WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2009

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 12035

CUSTOMER INFORMATION
Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 07/27/2012
BATCH UNITS: g/100mL

IDENTITY: External Standard Solution
PREPARED BY: Brianne O'Reilly

	BEO	NN	AJL	CSJ	JLK	LN	BB	DCS
1	0.103	0.105	0.105	0.104	0.103	0.104	0.104	0.105
2	0.103	0.104	0.105	0.104	0.104	0.104	0.106	0.103
3	0.102	0.104	0.104	0.104	0.103	0.106	0.104	0.105
4	0.104	0.104	0.103	0.104	0.103	0.104	0.103	0.105
5	0.103	0.104	0.103	0.104	0.103	0.104	0.103	0.104
C	0.101	0.104	0.103	0.101	0.101	0.102	0.101	0.102

ETHANOL CONTROL INFORMATION
LOT NUMBER: A083355 EXPIRATION: 12/2015 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1039 g/100mL
STANDARD DEVIATION: 0.00087
PRECISION CV (%): 0.84
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0845 g/210L**
EXPANDED UNCERTAINTY: ± 0.0030 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5 9-5-2012
Melissa L. Pemberton Forensic Scientist Supervisor DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BEO	Brianne O'Reilly	Brianne O'Reilly	07/27/2012
NN	Naziha Nuwayhid	[illegible]	07/27/2012
AJL	Asa J. Louis	[illegible]	08/06/2012
CSJ	Christopher S. Johnston	[illegible]	08/06/2012
JLK	Justin L. Knoy	[illegible]	08/07/2012
LN	Lisa Noble	Lisa Noble	08/09/2012
BB	Brittany Ball	Brittany L Ball	08/09/2012
DCS	Dawn C. Sklerov	Dawn C Sklerov	08/10/2012

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

Washington State Patrol - Toxicology Laboratory Division
ESS Test Report Calculation Record

External Standard Solution Batch #: 12035 **Date Prepared:** 7/27/2012

Analyst:	BEO	NN	AJL	CSJ	JLK	LN	BB	DCS
Date Tested:	7/27/2012	7/27/2012	8/6/2012	8/6/2012	8/7/2012	8/9/2012	8/9/2012	8/10/2012
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.103	0.105	0.105	0.104	0.103	0.104	0.104	0.105
2	0.103	0.104	0.105	0.104	0.104	0.104	0.106	0.103
3	0.102	0.104	0.104	0.104	0.103	0.106	0.104	0.105
4	0.104	0.104	0.103	0.104	0.103	0.104	0.103	0.105
5	0.103	0.104	0.103	0.104	0.103	0.104	0.103	0.104
C	0.101	0.104	0.103	0.101	0.101	0.102	0.101	0.102

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000703066	0.0001221617	0.0001016326

Ethanol Control Lot #: A083355
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1039 g/100mL
Standard Deviation: 0.00087 g/100mL
Precision CV (%): 0.84
Equivalent Vapor Concentration: 0.0845 g/210L
Combined Standard Uncertainty (±): 0.0015 g/210L
Expanded Uncertainty (±): 0.0030 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa Pemberton (Name) Melissa Pemberton (Signature) 8.13.2012 (Date)

Calculations verified by: Amanda H. Black (Name) (Signature) 9-4-2012 (Date) Method: Hand calculation

Technical review of batch file performed by: Melissa Pemberton (Name) Melissa Pemberton (Signature) 8/27/12 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 9-4-2012

Location: WSP-FLSB Seattle, WA Solution Batch Number: 12035

	YES	NO	N/A
Analysis dates do not precede preparation date:	✓		
Declarations signed and properly dated:	✓		
Data entry corresponds to all chromatograms:	✓		
All signatures present on Test Report:	✓		
Average solution concentration correct:	✓		
Standard deviation correct:	✓		
CV (%) correct:	✓		
Equivalent vapor concentration correct:	✓		
All chromatograms and sequences included in file:	✓		
Ethanol control information present: (lot # present & used within expiration)	✓		
Complies with accuracy and precision requirements established by the State Toxicologist:	✓		

Comments:

Reviewer Signature: [signature] Date: 9-4-2012

Reviewer Signature: N/A OB 9-4-12 Date:

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

1) Checked your data
2) Checked the date to the right of your name on the Test Report
3) Signed the Test Report

	Initials	Date
Amanda Black		
Asa Louis	[illegible]	2012 Aug 14
Brian Capron		
Brianna Peterson		
Brianne O'Reilly	BOO	8·14·12
Brittany Ball	BB	8/14/12
Christie Mitchell-Mata		
Christopher Johnston	CJ	8/14/12
Dawn Sklerov	DS	8·17·12
Justin Knoy	[illegible]	8-14-12
Lisa Noble	[illegible]	8/15/12
Melissa Pemberton		
Naziha Nuwayhid	NN	8/23/12
Rebecca Flaherty		
Sarah Swenson		

Batch # 12035

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Brianne E. O'Reilly, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and MS degree in Veterinary Medical Sciences.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

Brianne E. O'Reilly 8·14·2012

Brianne E. O'Reilly Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Naziha Nuwayhid, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: Bachelor and Masters Degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

8/23/12

Naziha Nuwayhid — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Asa J. Louis, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: B.S. degree in Biochemistry and over ten years of toxicology experience.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

2012 Aug 14

Asa J. Louis — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Christopher S. Johnston, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biochemistry.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

8/14/2012

Christopher S. Johnston — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Justin L. Knoy, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

8-14-12

Justin L. Knoy — Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
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JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Lisa Noble, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biochemistry and six years laboratory experience in forensic toxicology.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

Lisa Noble 8/15/12

Lisa Noble Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Brittany Ball, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and a Masters in Forensic Science.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

Brittany Ball 8/14/12

Brittany Ball Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
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JOHN R. BATISTE
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12035

I, Dawn C. Sklerov, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS in Forensic Chemistry and over nine years of experience in the field of toxicology.

The external standard solution, Lot Number 12035, was prepared in the Washington State Toxicology Laboratory on 7/27/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/27/2013.

Seattle, WA

Dawn C Sklerov 8.17.12

Dawn C. Sklerov Date

Forensic Toxicologist

WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: 7/27/2012 Initials of Preparer: BCO

Expiration Date: 7/27/2013

Lot # of 200-proof Ethanol used in preparation: 2AJ0691

Date the 200-proof Ethanol bottle was opened: 7/13/2012

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.0	18	☐	
ESS	66.5	52	☑	12035

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 7/27/2012 Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

Brian E O'Reilly
Analyst Signature

7/27/2012
Date

Sequence Parameters:

Operator:	Brianne E. O'Reilly
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120727BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 - Lot: E0612-01 - exp 9/25/2012
Cal 2 - Lot: E0612-02 - exp 9/25/2012
Cal 3 - Lot: E0612-03 - exp 9/25/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A084657 - exp 02/2016

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot: E0612-01
3	Vial 3	Lot: E0612-02
4	Vial 4	Lot: E0612-03
5	Vial 5	
6	Vial 6	Lot: A077459 - exp: 02/2015
7	Vial 7	Lot: A083355 - exp: 12/2015
8	Vial 8	Lot: A084657 - exp: 02/2016
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	Lot: A083355 - exp: 12/2015

12035

BEO

16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CONTROL-BO	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-BO	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-BO	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-BO	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-BO	SIMALC1	1	Ctrl Samp		
10	Vial 10	12035 #1	SIMALC1	1	Sample		
11	Vial 11	12035 #2	SIMALC1	1	Sample		
12	Vial 12	12035 #3	SIMALC1	1	Sample		
13	Vial 13	12035 #4	SIMALC1	1	Sample		
14	Vial 14	12035 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-BO	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-BO	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12035

BWD

Calibration Table

Calib. Data Modified : Friday, July 27, 2012 10:07:41 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042		1	1	7.97000e-2	1006.87622	7.91557e-5	1		Ethanol
			2	1.59870e-1	1992.20081	8.02479e-5			
			3	3.21590e-1	3896.85425	8.25255e-5			
1.707		1	1	1.00000	2772.35498	3.60704e-4	I1		n-Propanol
			2	1.00000	2742.54907	3.64624e-4			
			3	1.00000	2708.76758	3.69172e-4			

Peak Sum Table

No Entries in table

12035

BWD

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Calibration Curves

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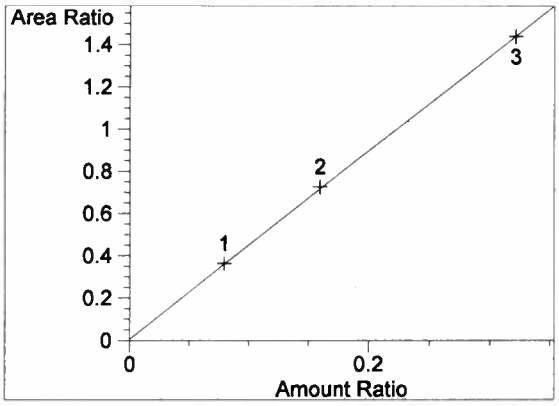
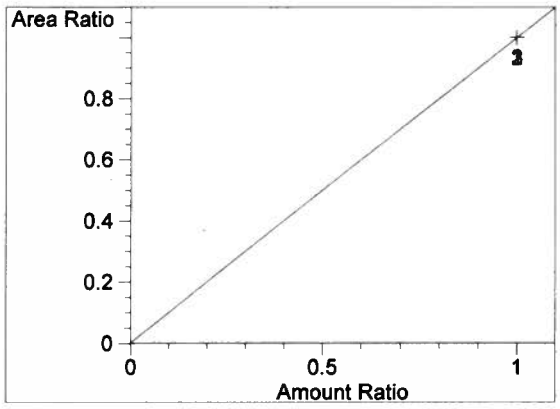


Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00671
Formula: y = mx + b
m: 4.47019
b: 4.92650e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.707
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12035

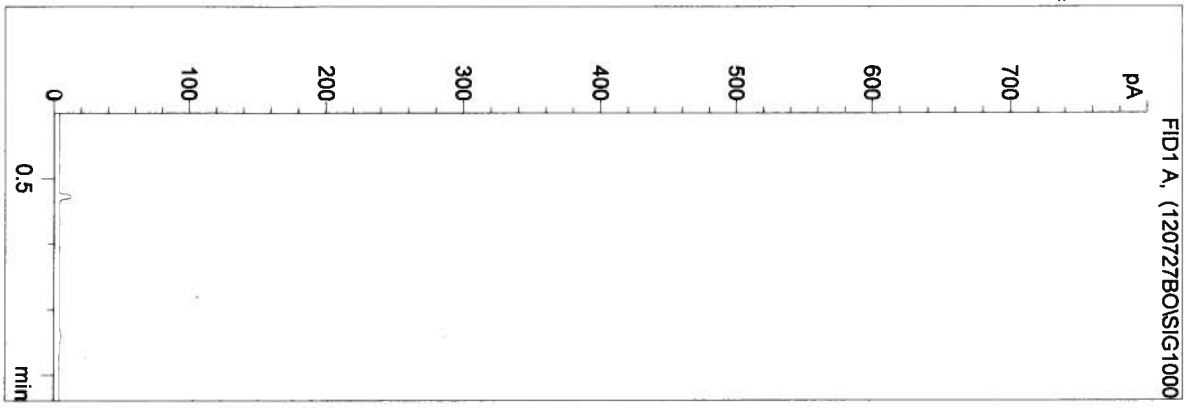
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

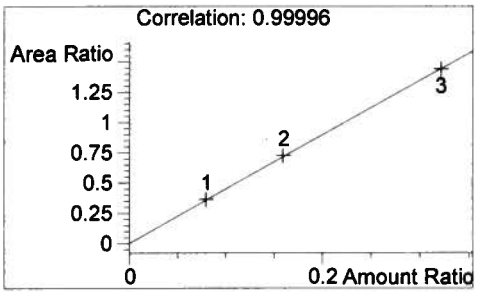
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 9:56:14 AM
Instrument 1
DB-ALC1

BLANK
Brianne E. O'Reilly

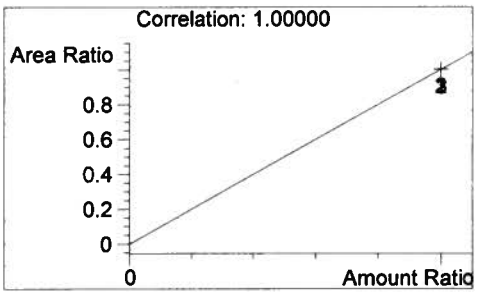
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12035

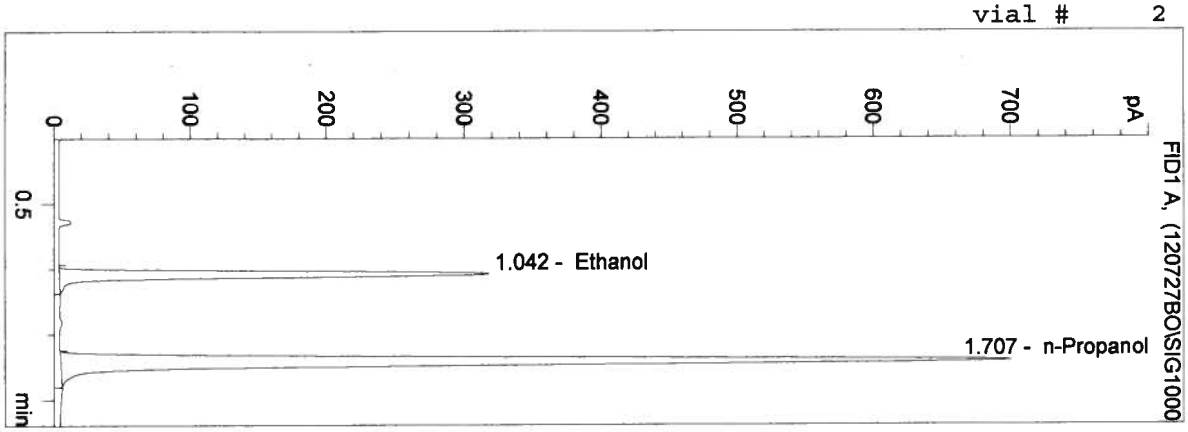
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

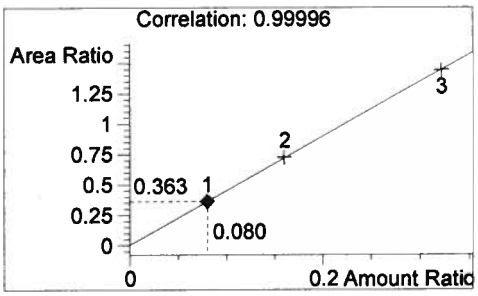
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 9:59:19 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianne E. O'Reilly

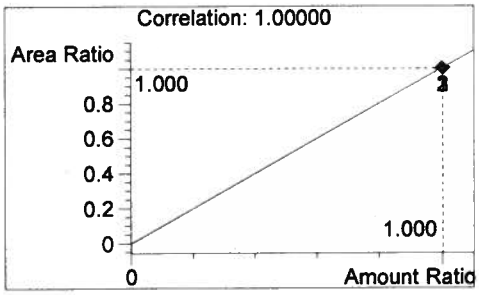
vial # 2



#	Compound	Area	RT
1	Ethanol	1007	1.042
2	n-Propanol	2772	1.707
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12035

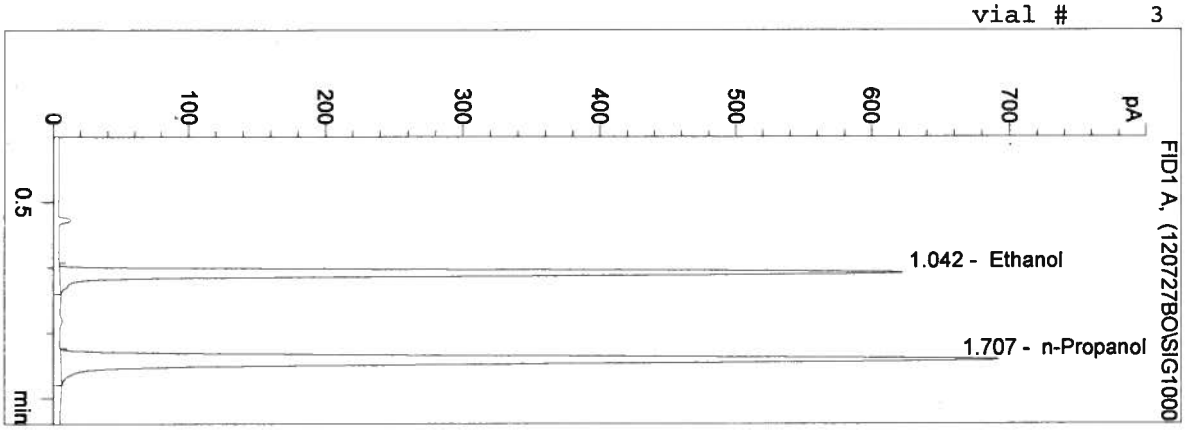
BWD

WASHINGTON STATE TOXICOLOGY LABORATORY

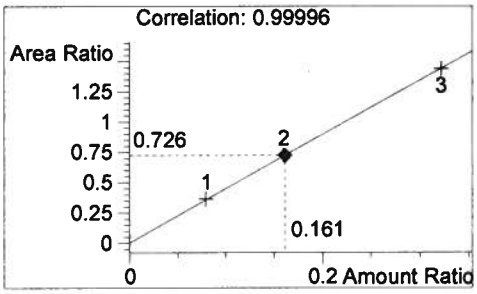
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:02:24 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianne E. O'Reilly

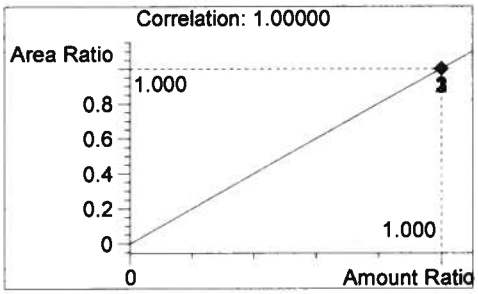
vial # 3



#	Compound	Area	RT
1	Ethanol	1992	1.042
2	n-Propanol	2743	1.707
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

12035

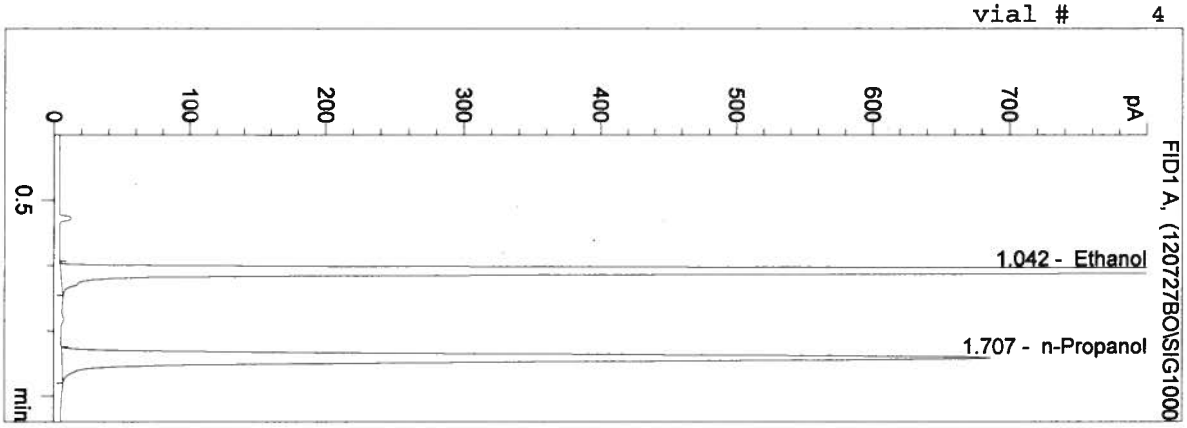
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

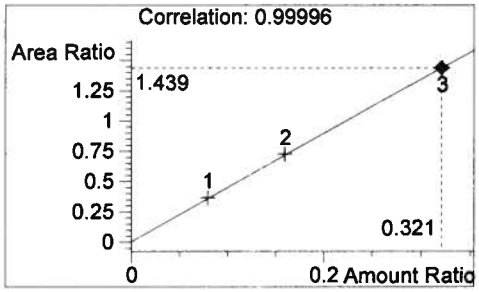
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:05:28 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianne E. O'Reilly

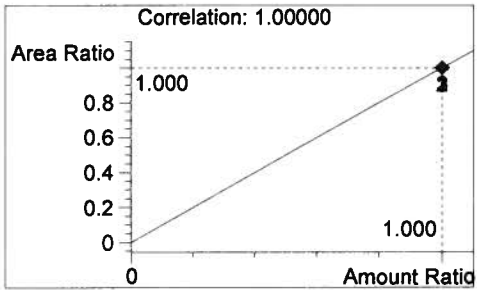
vial # 4



#	Compound	Area	RT
1	Ethanol	3897	1.042
2	n-Propanol	2709	1.707
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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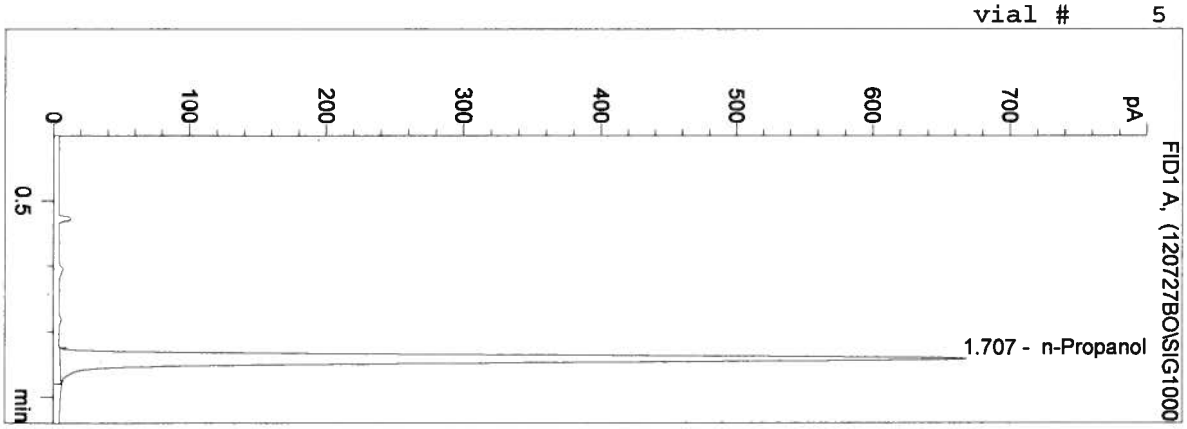
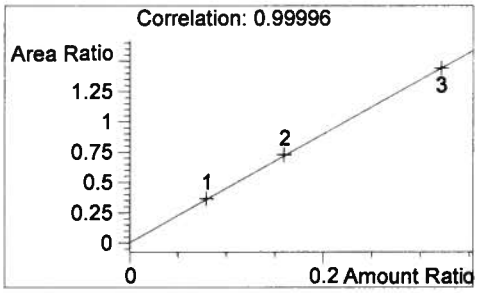
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:08:33 AM
Instrument 1
DB-ALC1

NEG CONTROL-BO
Brianne E. O'Reilly

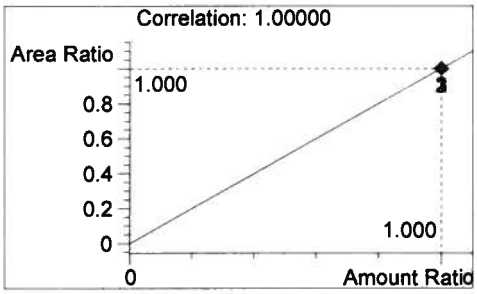
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2645	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

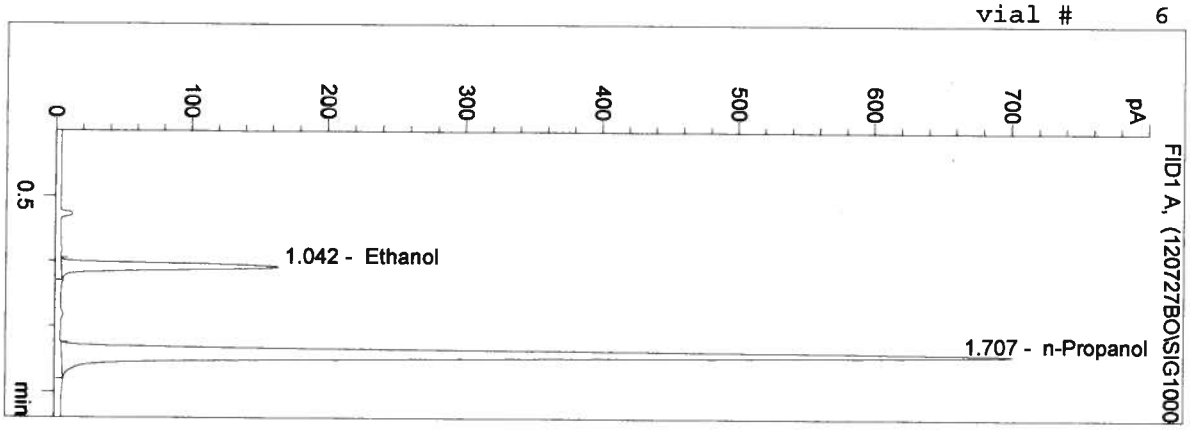
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

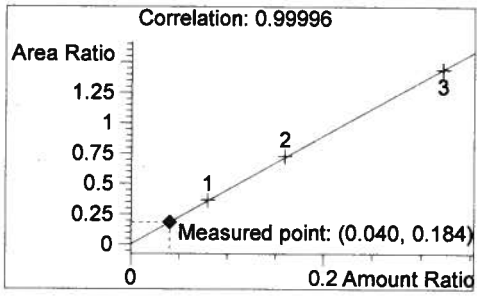
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:11:38 AM
Instrument 1
DB-ALC1

0.04 CONTROL-BO
Brianne E. O'Reilly

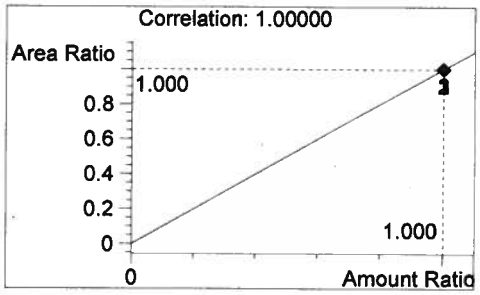
vial # 6



#	Compound	Area	RT
1	Ethanol	510	1.042
2	n-Propanol	2777	1.707
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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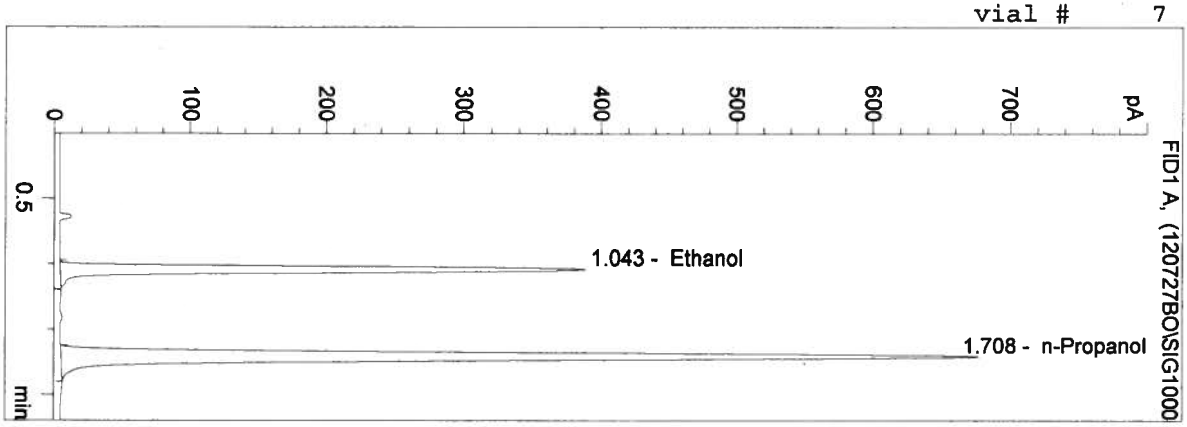
WASHINGTON STATE TOXICOLOGY LABORATORY

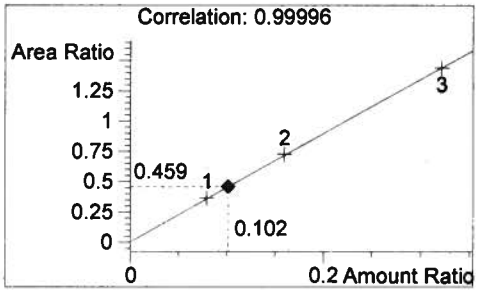
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:14:43 AM
Instrument 1
DB-ALC1

0.10 CONTROL-BO
Brianne E. O'Reilly

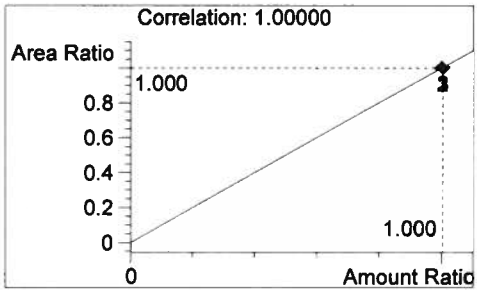
vial # 7



#	Compound	Area	RT
1	Ethanol	1234	1.043
2	n-Propanol	2688	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12035

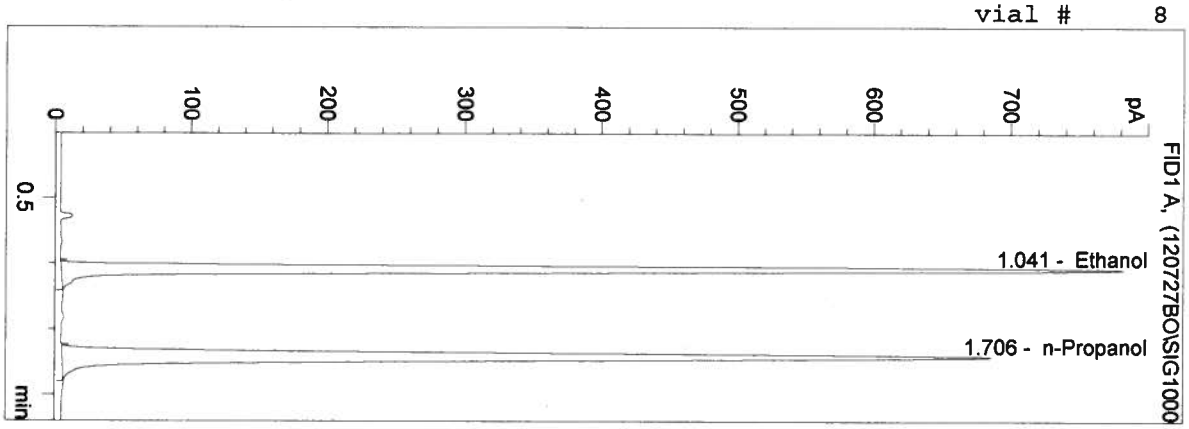
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

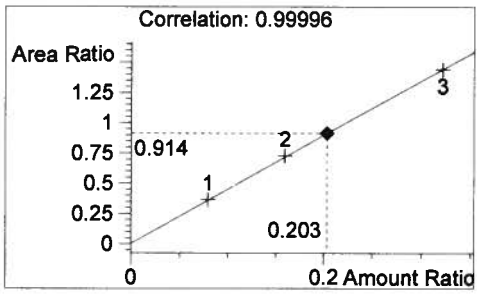
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:17:47 AM
Instrument 1
DB-ALC1

0.20 CONTROL-BO
Brianne E. O'Reilly

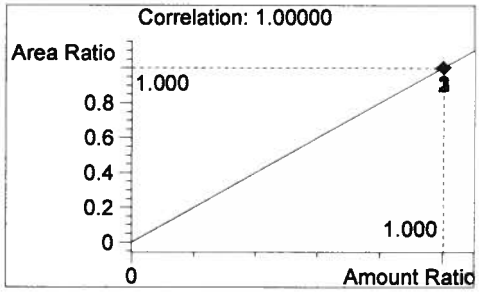
vial # 8



#	Compound	Area	RT
1	Ethanol	2476	1.041
2	n-Propanol	2709	1.706
Tot			



Ethanol 0.203 g/100 mL



n-Propanol 1.000 g/100 mL

12035

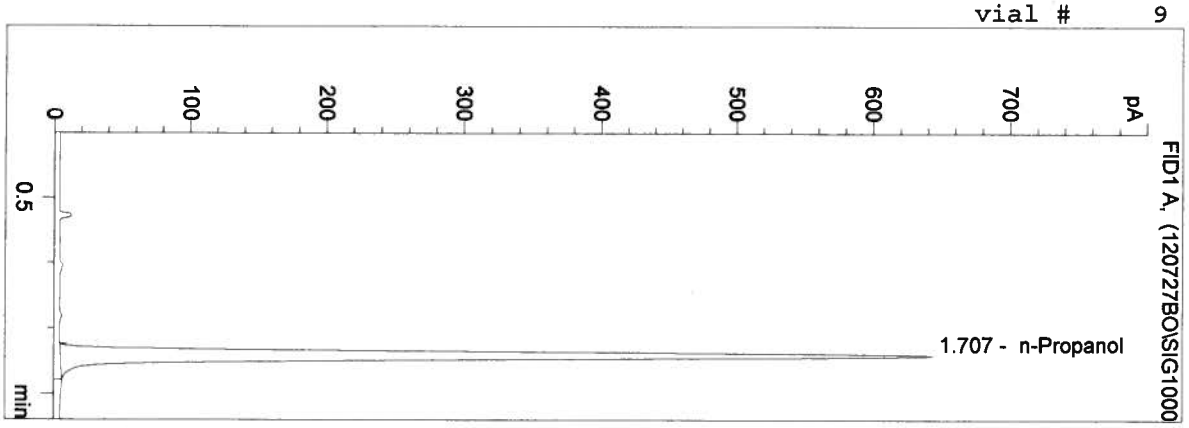
BO

WASHINGTON STATE TOXICOLOGY LABORATORY

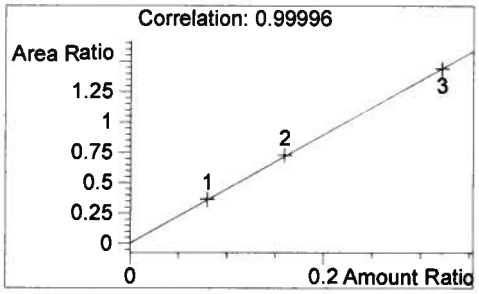
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:20:52 AM
Instrument 1
DB-ALC1

NEG CONTROL-BO
Brianne E. O'Reilly

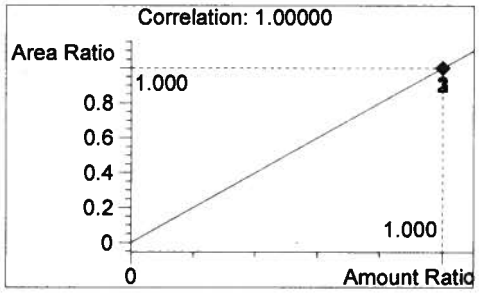
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2547	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

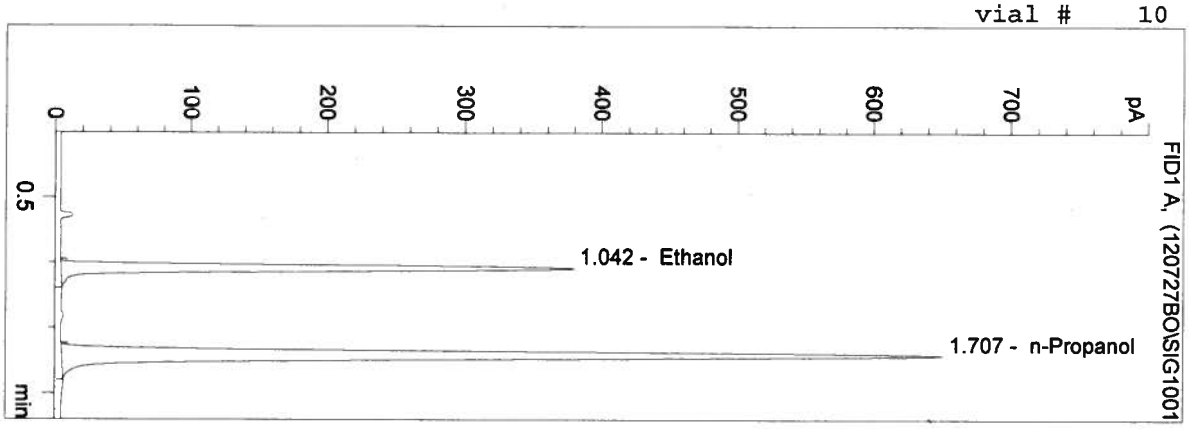
BUD

WASHINGTON STATE TOXICOLOGY LABORATORY

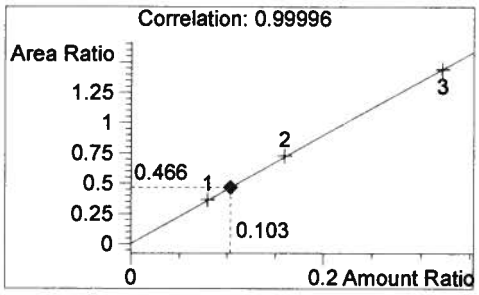
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:23:56 AM
Instrument 1
DB-ALC1

12035 #1
Brianne E. O'Reilly

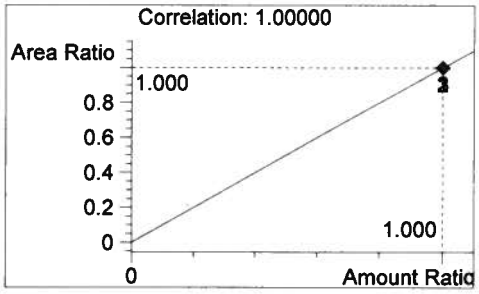
vial # 10



#	Compound	Area	RT
1	Ethanol	1202	1.042
2	n-Propanol	2576	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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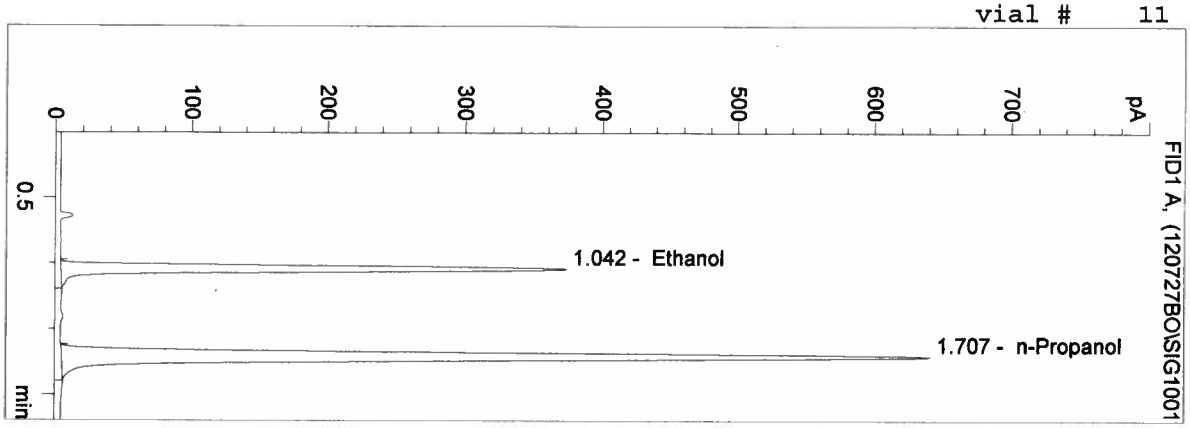
WASHINGTON STATE TOXICOLOGY LABORATORY

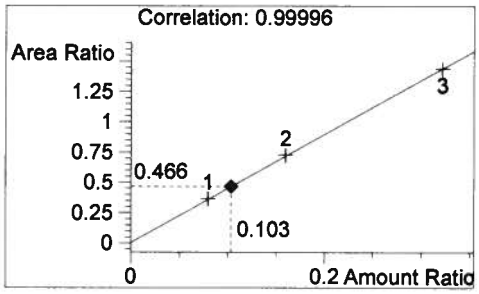
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:27:01 AM
Instrument 1
DB-ALC1

12035 #2
Brianne E. O'Reilly

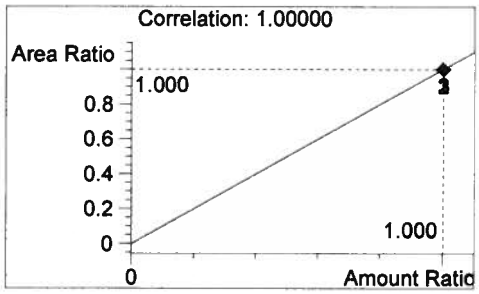
vial # 11



#	Compound	Area	RT
1	Ethanol	1183	1.042
2	n-Propanol	2538	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

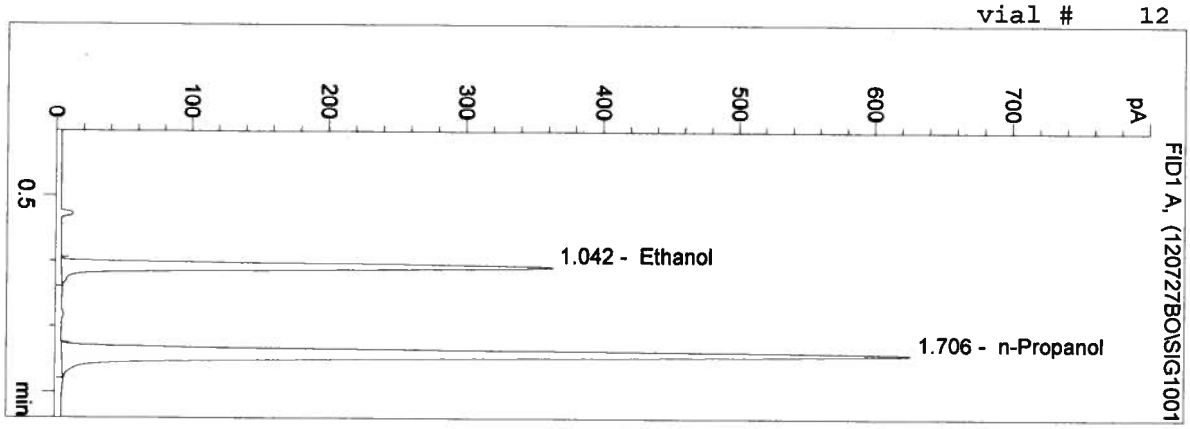
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

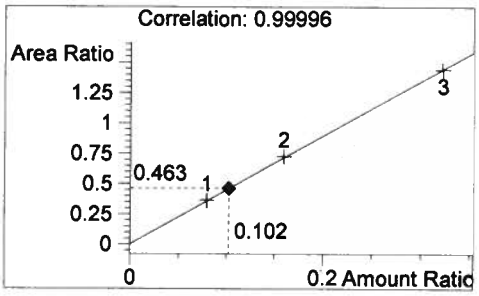
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:30:06 AM
Instrument 1
DB-ALC1

12035 #3
Brianne E. O'Reilly

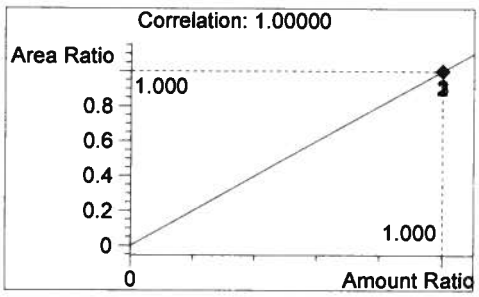
vial # 12



#	Compound	Area	RT
1	Ethanol	1146	1.042
2	n-Propanol	2478	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

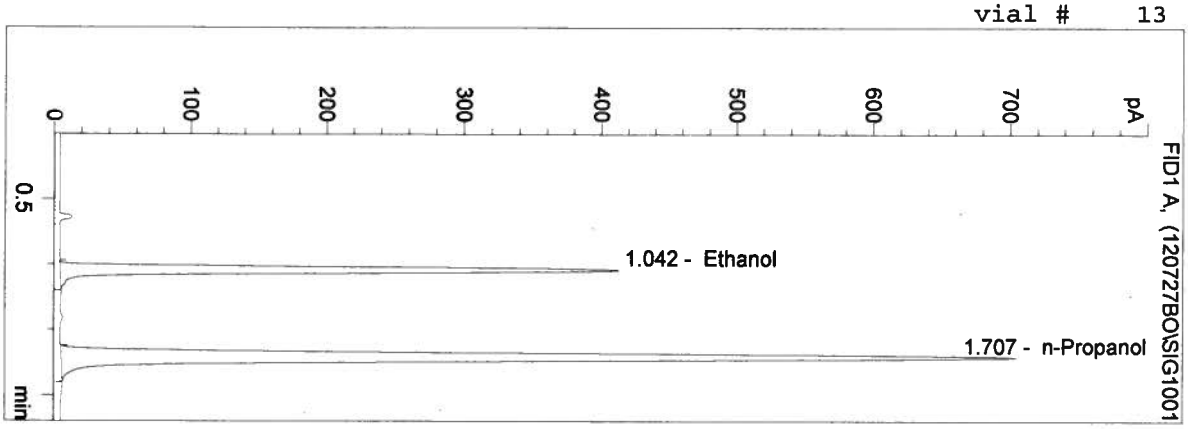
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

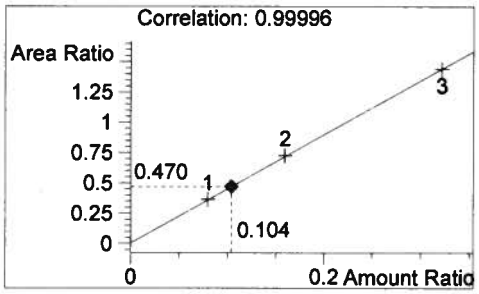
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:33:11 AM
Instrument 1
DB-ALC1

12035 #4
Brianne E. O'Reilly

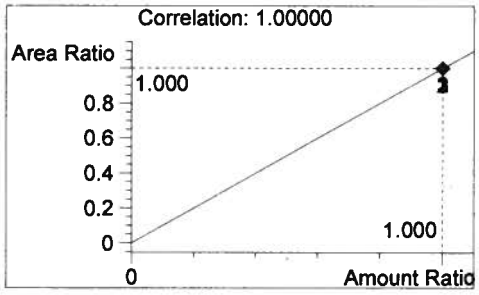
vial # 13



#	Compound	Area	RT
1	Ethanol	1310	1.042
2	n-Propanol	2788	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

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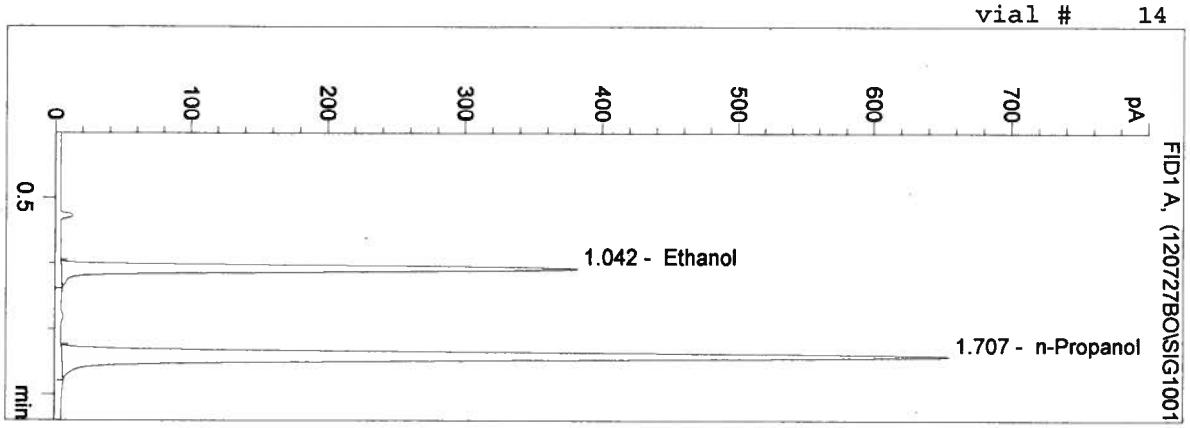
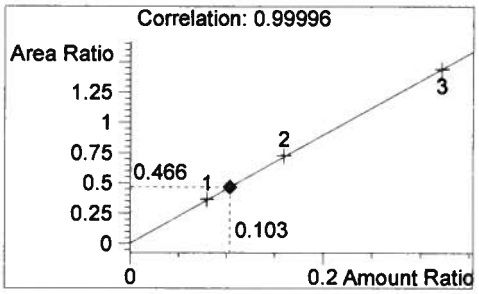
7/27/2012 10:36:16 AM
Instrument 1
DB-ALC1

12035 #5
Brianne E. O'Reilly

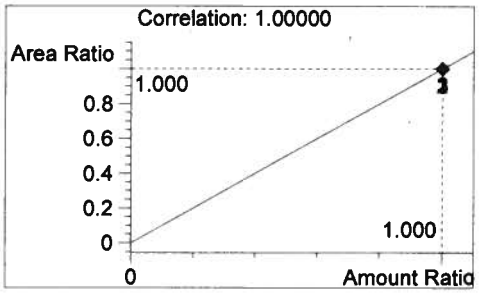
vial # 14



#	Compound	Area	RT
1	Ethanol	1208	1.042
2	n-Propanol	2592	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

12035

BW

WASHINGTON STATE TOXICOLOGY LABORATORY

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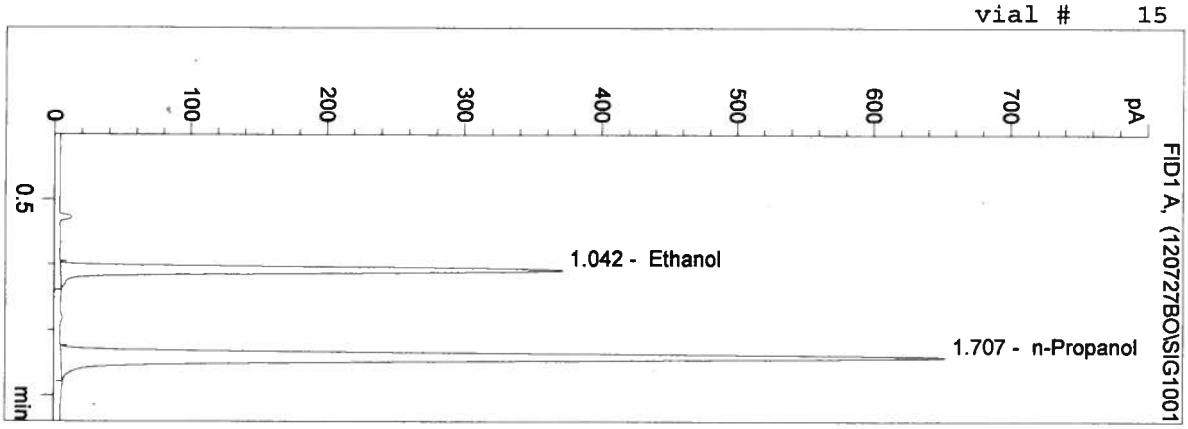
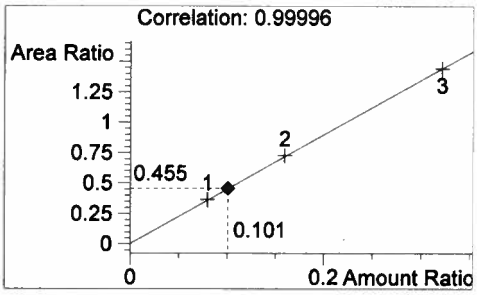
7/27/2012 10:39:20 AM
Instrument 1
DB-ALC1

0.10 CONTROL-BO
Brianne E. O'Reilly

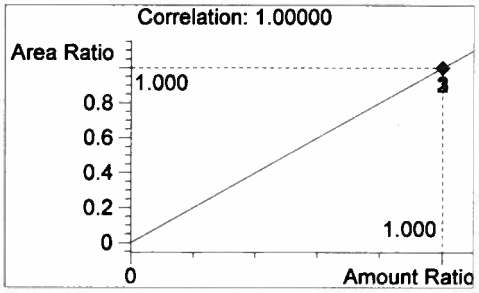
vial # 15



#	Compound	Area	RT
1	Ethanol	1178	1.042
2	n-Propanol	2588	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12035

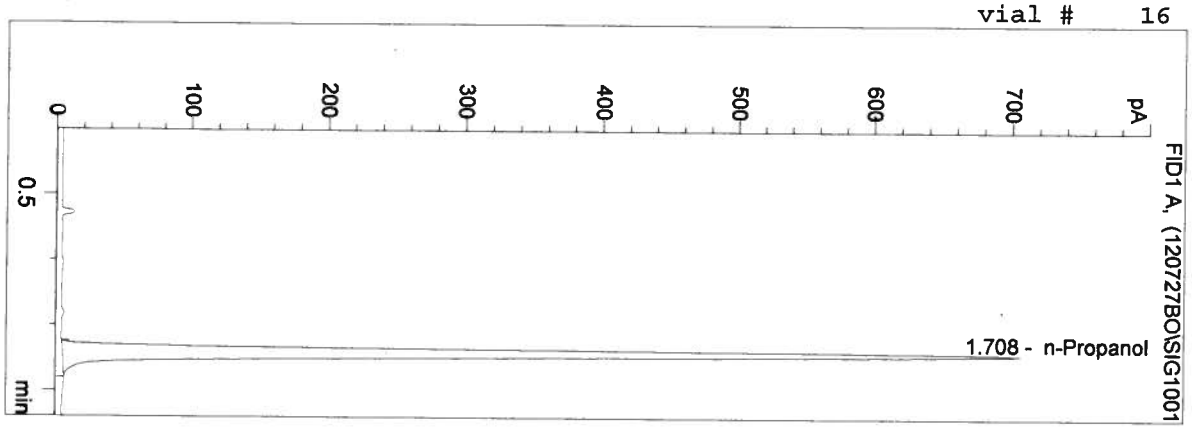
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

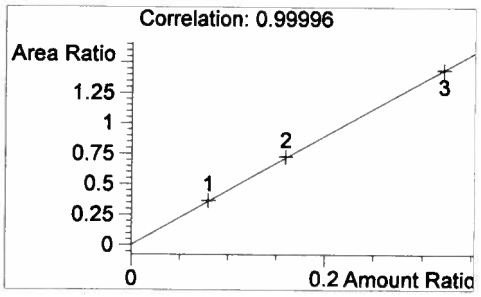
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 10:42:25 AM
Instrument 1
DB-ALC1

NEG CONTROL-BO
Brianne E. O'Reilly

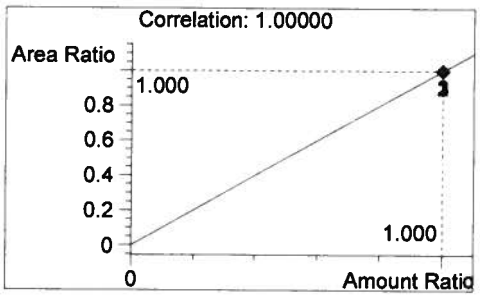
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2798	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

BWO

Sequence Parameters:

Operator:	Naziha Nuwayhid, PhD
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120727NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 - Lot: E0612-01 - exp 9/25/2012
Cal 2 - Lot: E0612-02 - exp 9/25/2012
Cal 3 - Lot: E0612-03 - exp 9/25/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A084657 - exp 02/2016
Data for vials 1 through 9 are stored in file folder for solution 12032.
NN 7/27/12

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot: E0612-01
3	Vial 3	Lot: E0612-02
4	Vial 4	Lot: E0612-03
5	Vial 5	
6	Vial 6	Lot: A077459 - exp: 02/2015
7	Vial 7	Lot: A083355 - exp: 12/2015
8	Vial 8	Lot: A084657 - exp: 02/2016
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	Lot: A083355 - exp: 12/2015

12035

NN 7/27/12

16 Vial 16

17 Vial 17

18 Vial 18

19 Vial 19

20 Vial 20

21 Vial 21

22 Vial 22 Lot: A083355 - exp: 12/2015

23 Vial 23

24 Vial 24

25 Vial 25

26 Vial 26

27 Vial 27

28 Vial 28

29 Vial 29 Lot: A083355 - exp: 12/2015

30 Vial 30

31 Vial 31

32 Vial 32

33 Vial 33

34 Vial 34

35 Vial 35

36 Vial 36 Lot: A083355 - exp: 12/2015

37 Vial 37

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CONTROL-NN	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-NN	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-NN	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-NN	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-NN	SIMALC1	1	Ctrl Samp		
10	Vial 10	12032-1	SIMALC1	1	Sample		
11	Vial 11	12032-2	SIMALC1	1	Sample		
12	Vial 12	12032-3	SIMALC1	1	Sample		
13	Vial 13	12032-4	SIMALC1	1	Sample		
14	Vial 14	12032-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-NN	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-NN	SIMALC1	1	Ctrl Samp		
17	Vial 17	12033-1	SIMALC1	1	Sample		
18	Vial 18	12033-2	SIMALC1	1	Sample		

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Sequence: C:\HPCHEM\1\SEQUENCE\NNESSQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
19	Vial 19	12033-3	SIMALC1	1	Sample		
20	Vial 20	12033-4	SIMALC1	1	Sample		
21	Vial 21	12033-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CONTROL-NN	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CONTROL-NN	SIMALC1	1	Ctrl Samp		
24	Vial 24	12034-1	SIMALC1	1	Sample		
25	Vial 25	12034-2	SIMALC1	1	Sample		
26	Vial 26	12034-3	SIMALC1	1	Sample		
27	Vial 27	12034-4	SIMALC1	1	Sample		
28	Vial 28	12034-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CONTROL-NN	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CONTROL-NN	SIMALC1	1	Ctrl Samp		
31	Vial 31	12035-1	SIMALC1	1	Sample		
32	Vial 32	12035-2	SIMALC1	1	Sample		
33	Vial 33	12035-3	SIMALC1	1	Sample		
34	Vial 34	12035-4	SIMALC1	1	Sample		
35	Vial 35	12035-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CONTROL-NN	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CONTROL-NN	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

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Calibration Table

Calib. Data Modified : Friday, July 27, 2012 12:45:10 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	958.90021	8.31161e-5	1		Ethanol
		2	1.59870e-1	1897.62830	8.42473e-5			
		3	3.21590e-1	3528.08057	9.11515e-5			
1.704	1	1	1.00000	2692.90405	3.71346e-4	I1		n-Propanol
		2	1.00000	2695.19043	3.71031e-4			
		3	1.00000	2524.11938	3.96178e-4			

Peak Sum Table

No Entries in table

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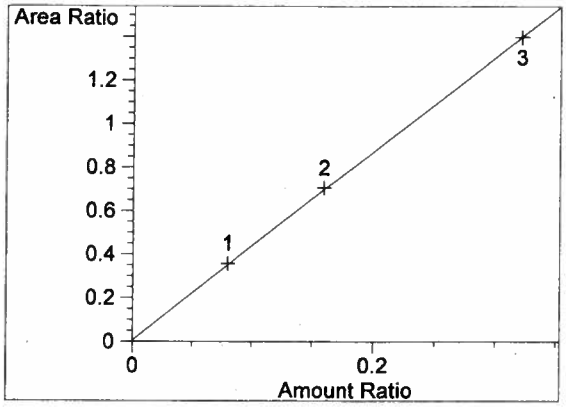
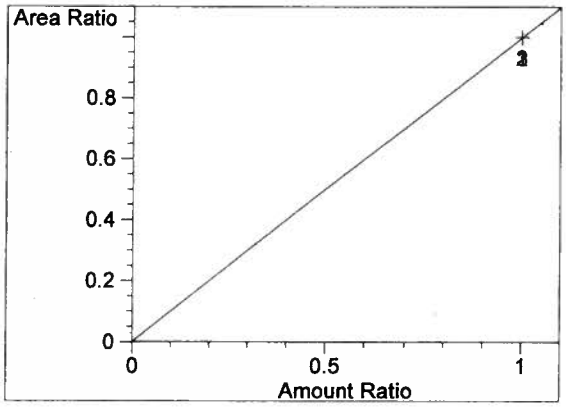
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00658
Formula: y = mx + b
m: 4.33919
b: 5.73200e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.704
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

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NN 7/27/12

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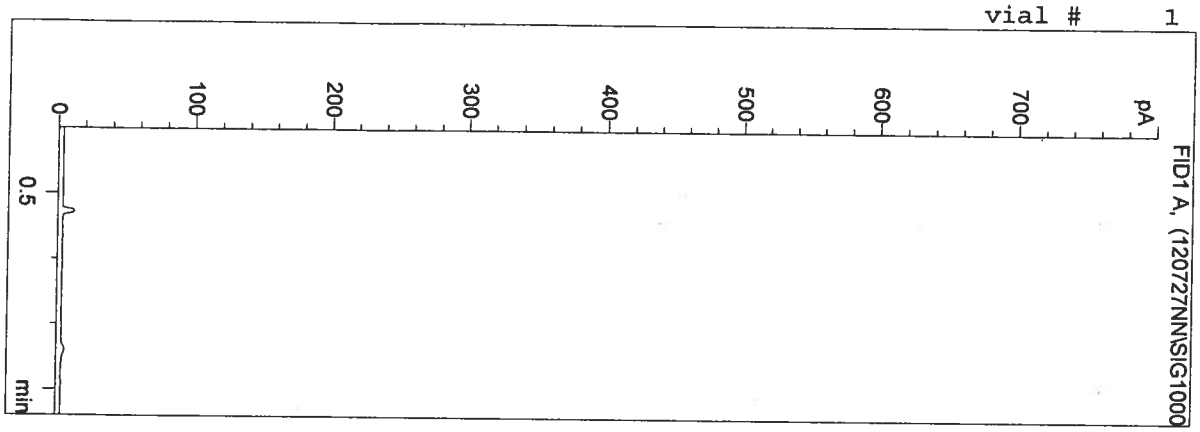
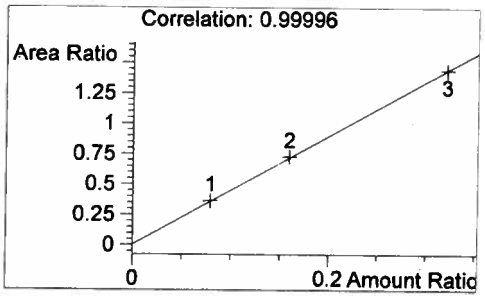
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 12:33:42 PM
Instrument 1
DB-ALC1

BLANK
Naziha Nuwayhid, PhD

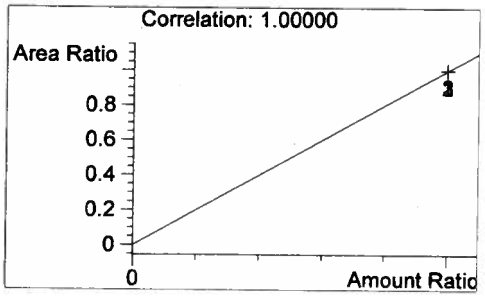
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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NN
7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
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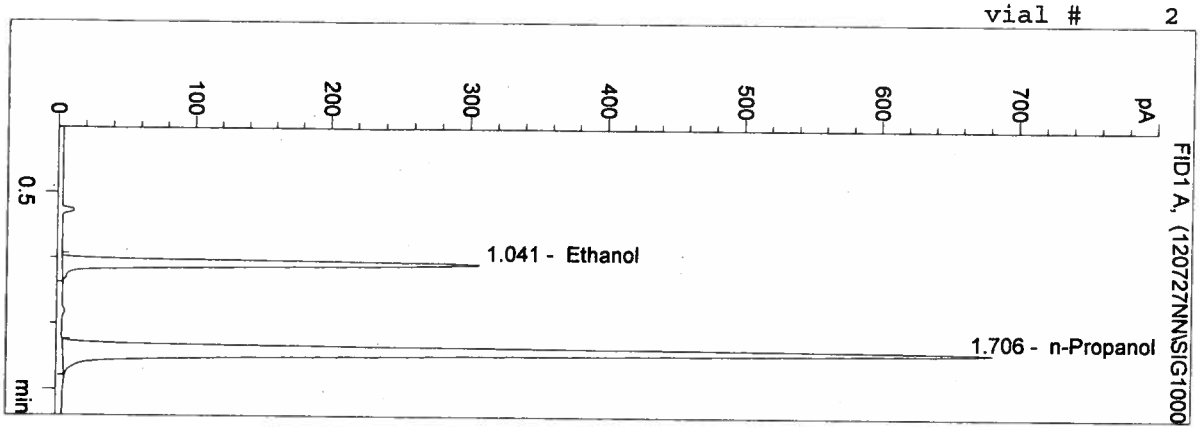
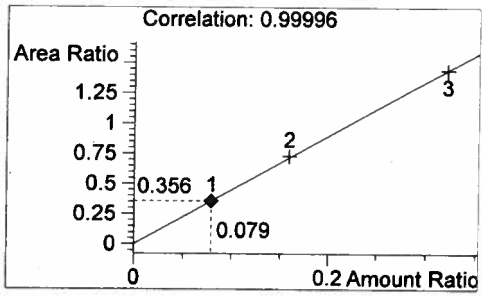
Instrument 1
DB-ALC1

0.079 CAL 1
Naziha Nuwayhid, PhD

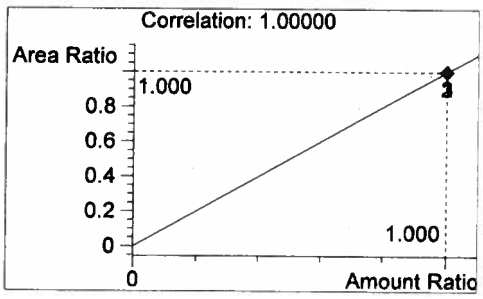
vial # 2



#	Compound	Area	RT
1	Ethanol	959	1.041
2	n-Propanol	2693	1.706
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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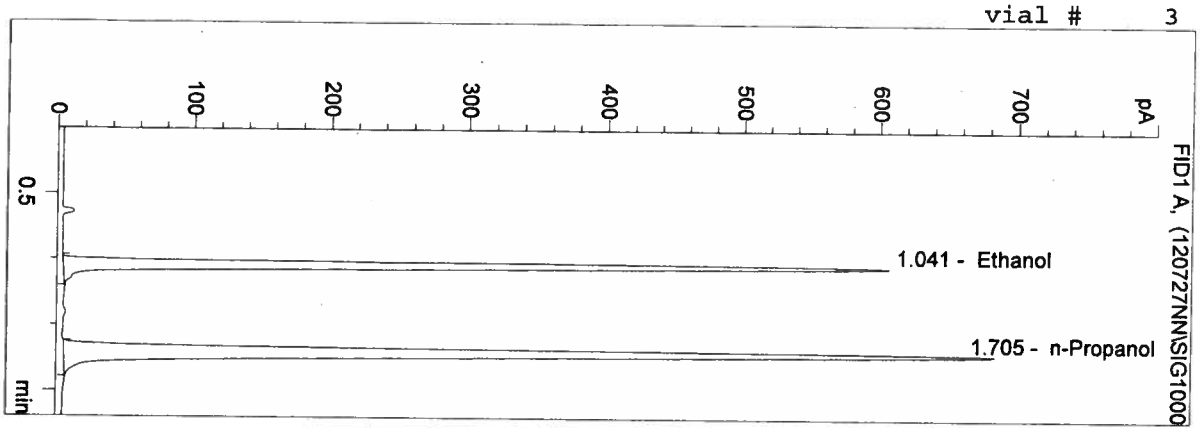
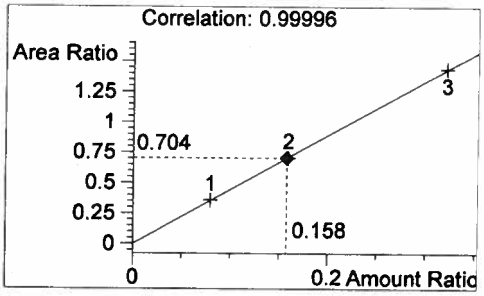
Instrument 1
DB-ALC1

0.158 CAL 2
Naziha Nuwayhid, PhD

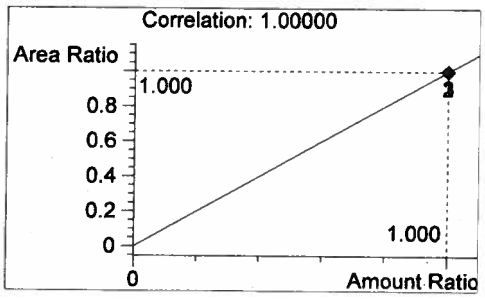
vial # 3



#	Compound	Area	RT
1	Ethanol	1898	1.041
2	n-Propanol	2695	1.705
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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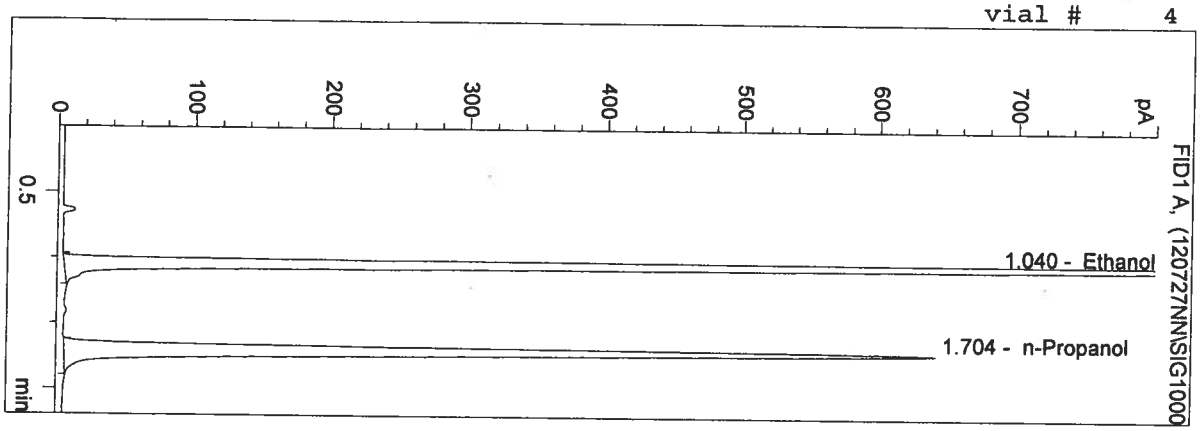
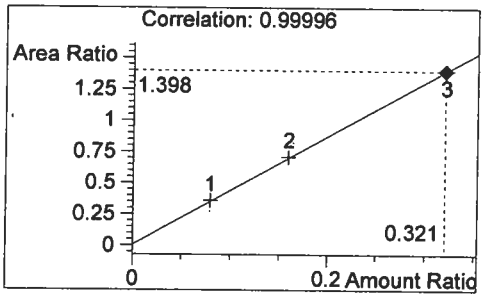
Instrument 1
DB-ALC1

0.316 CAL 3
Naziha Nuwayhid, PhD

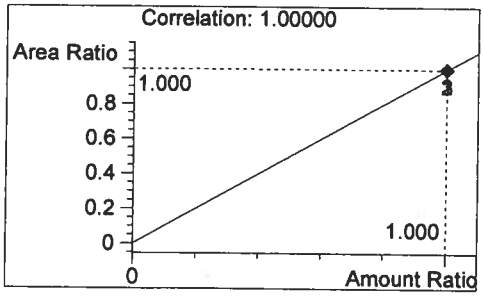
vial # 4



#	Compound	Area	RT
1	Ethanol	3528	1.040
2	n-Propanol	2524	1.704
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

12035

NN
7/27/12

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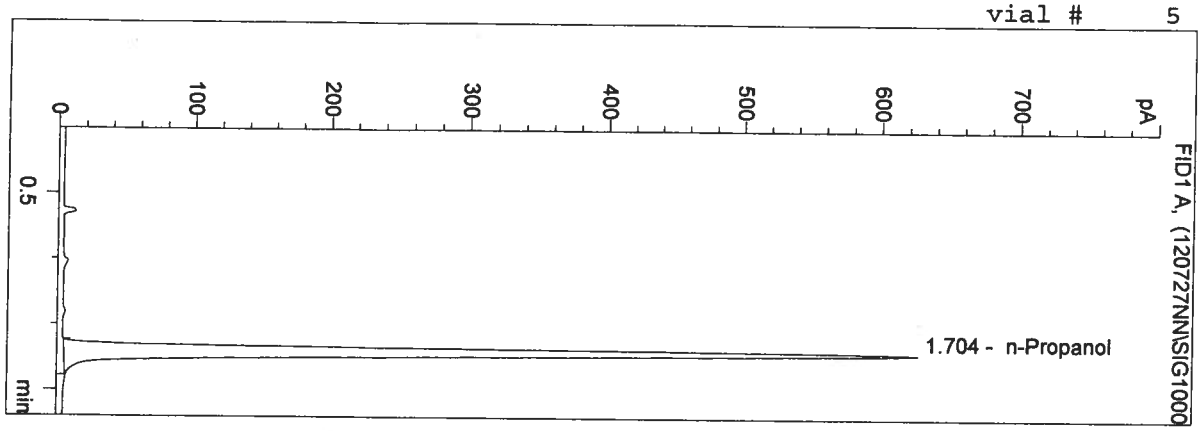
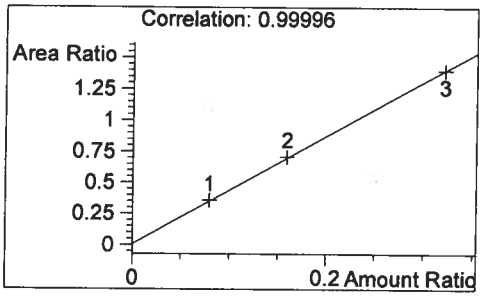
Instrument 1
DB-ALC1

NEG CONTROL-NN
Naziha Nuwayhid, PhD

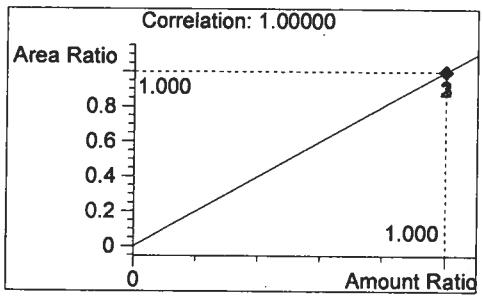
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2466	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

NN
7/27/12

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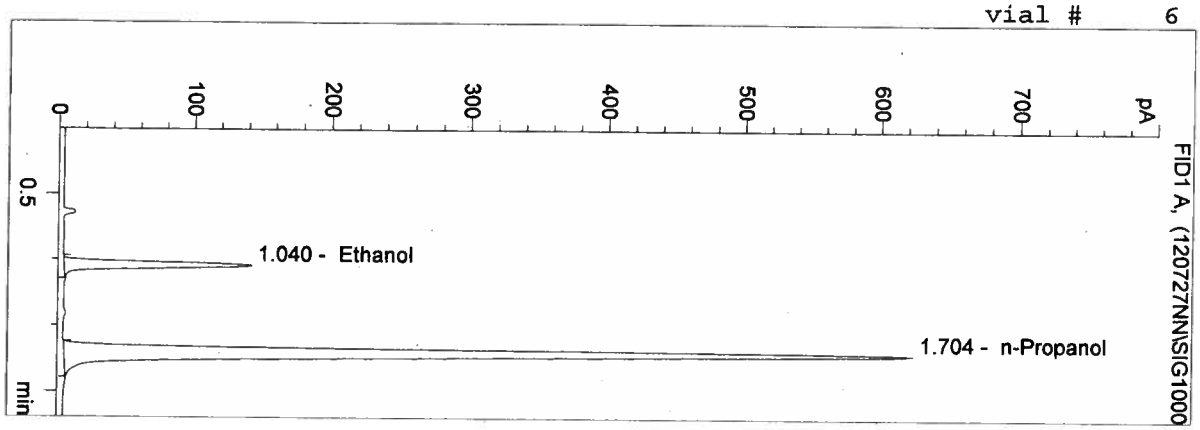
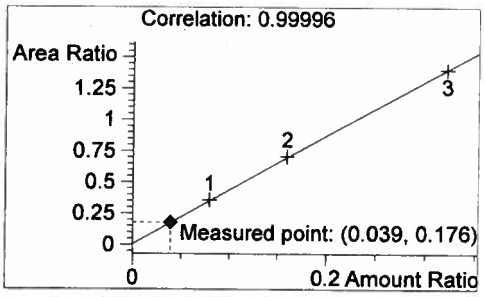
Instrument 1
DB-ALC1

0.04 CONTROL-NN
Naziha Nuwayhid, PhD

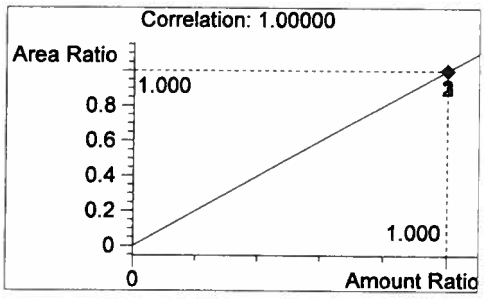
vial # 6



#	Compound	Area	RT
1	Ethanol	433	1.040
2	n-Propanol	2460	1.704
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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7/27/12

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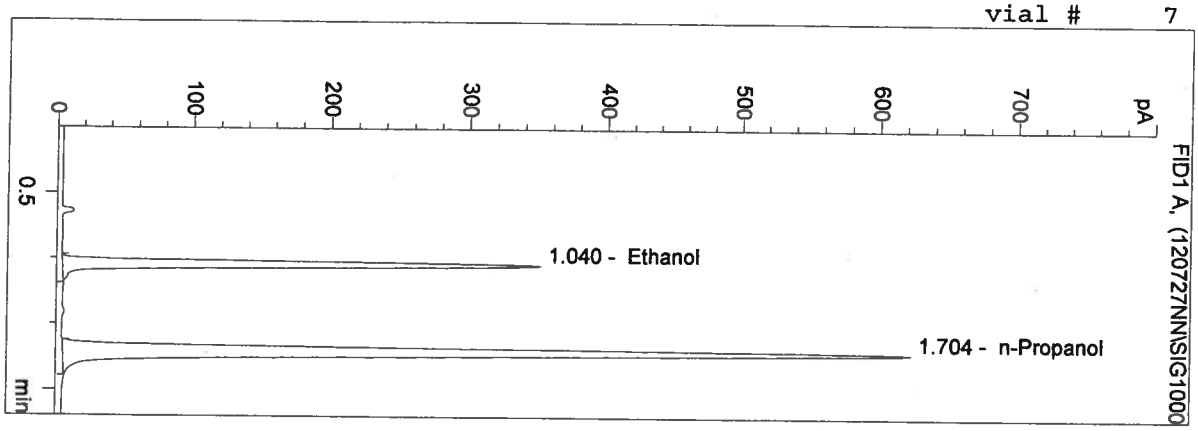
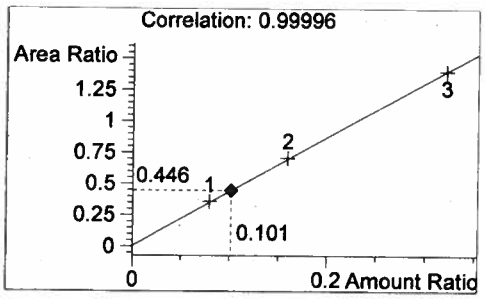
Instrument 1
DB-ALC1

0.10 CONTROL-NN
Naziha Nuwayhid, PhD

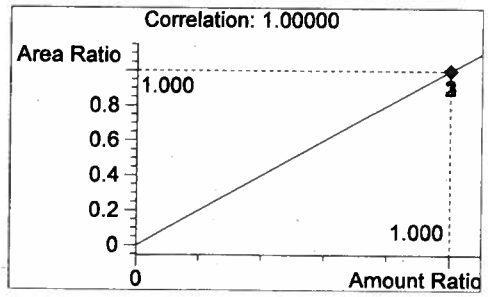
vial # 7



#	Compound	Area	RT
1	Ethanol	1097	1.040
2	n-Propanol	2459	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12035

NN
7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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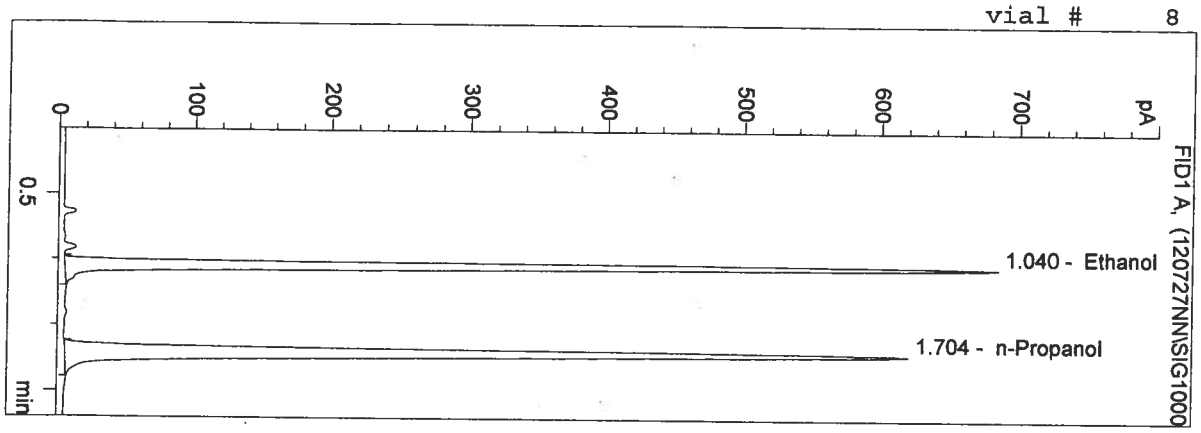
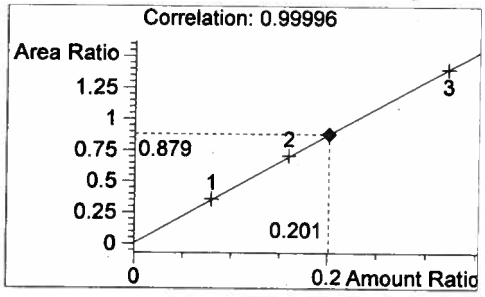
7/27/2012 12:55:16 PM
Instrument 1
DB-ALC1

0.20 CONTROL-NN
Naziha Nuwayhid, PhD

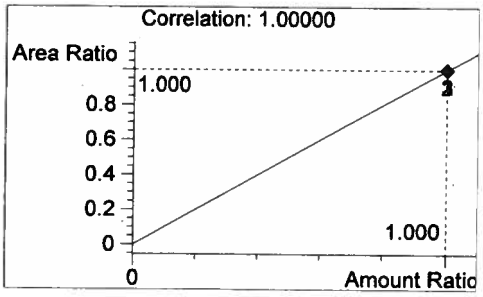
vial # 8



#	Compound	Area	RT
1	Ethanol	2154	1.040
2	n-Propanol	2449	1.704
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

12035

NN
7/27/12

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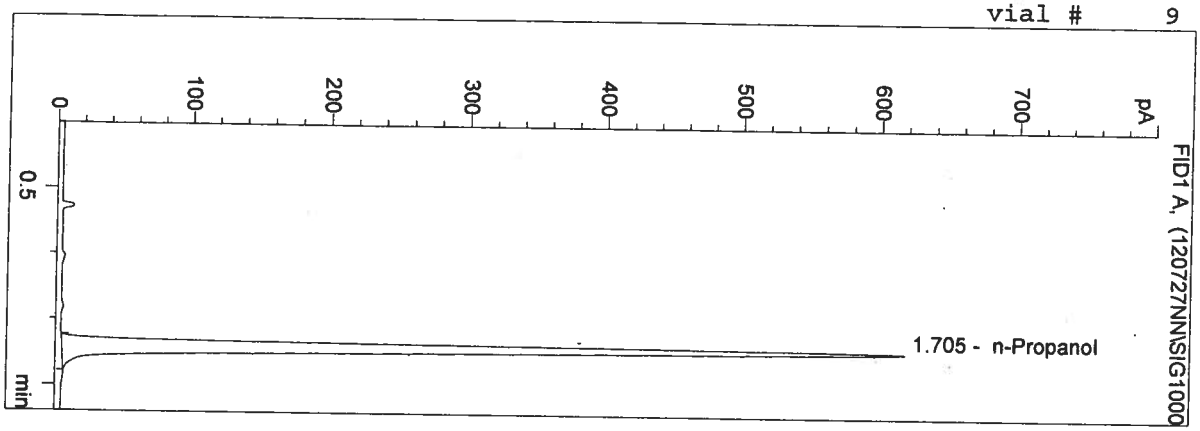
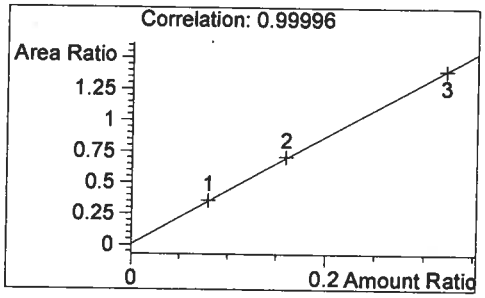
7/27/2012 12:58:20 PM
Instrument 1
DB-ALC1

NEG CONTROL-NN
Naziha Nuwayhid, PhD

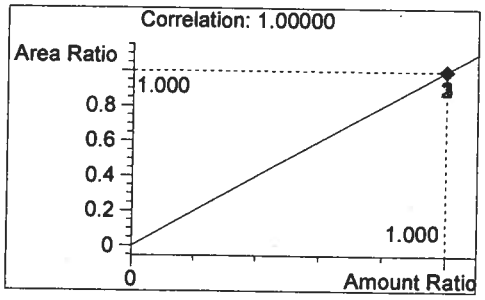
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2440	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

NN
7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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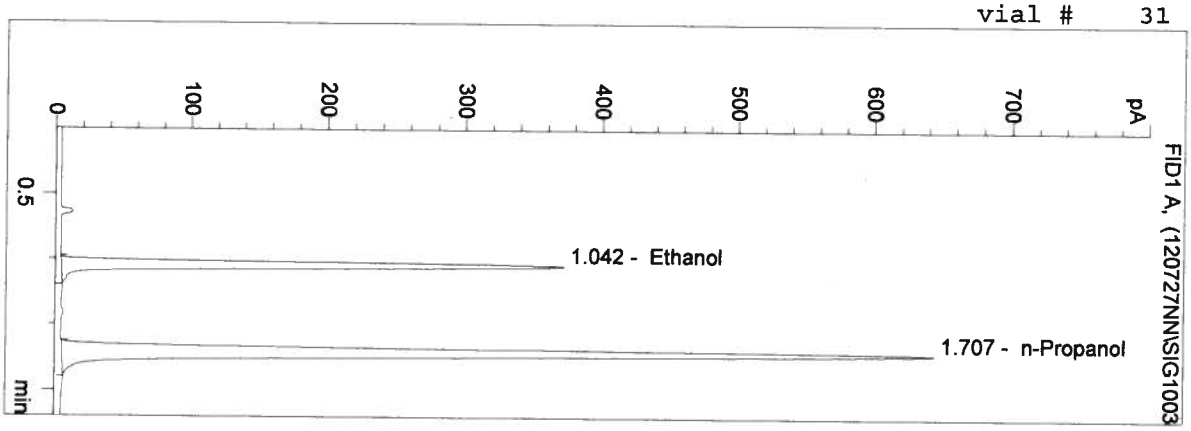
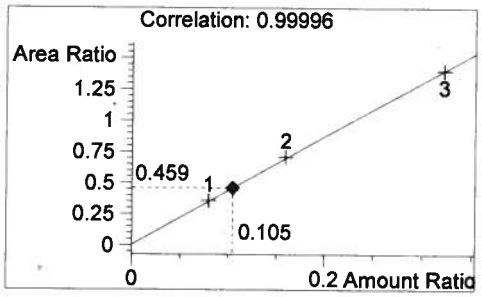
7/27/2012 2:06:04 PM
Instrument 1
DB-ALC1

12035-1
Naziha Nuwayhid, PhD

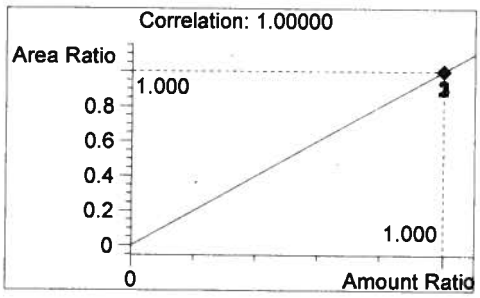
vial # 31



#	Compound	Area	RT
1	Ethanol	1165	1.042
2	n-Propanol	2538	1.707
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

NN
7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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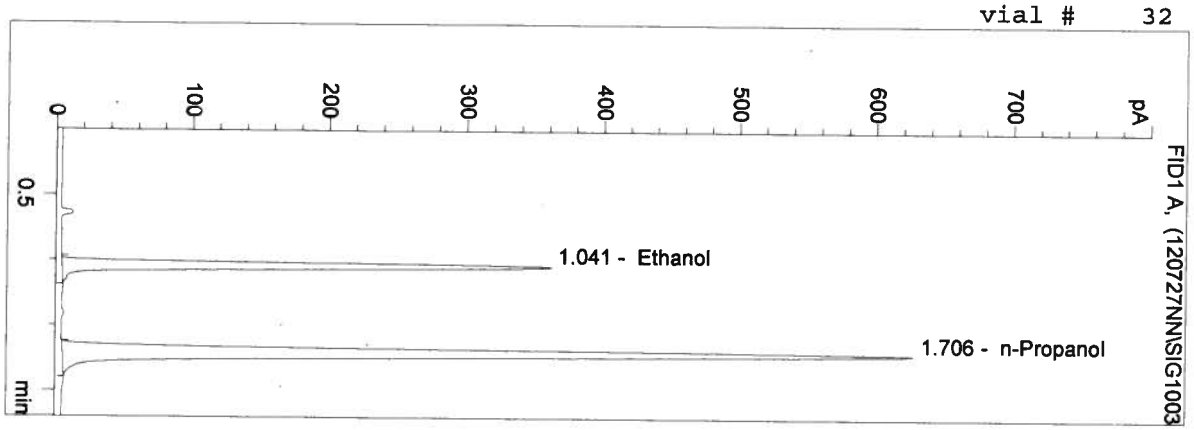
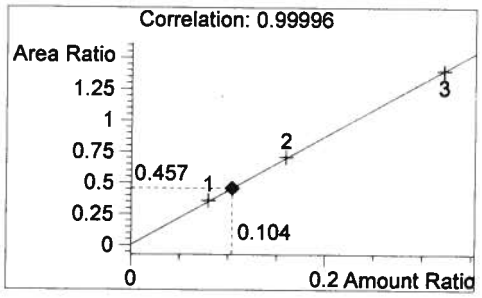
7/27/2012 2:09:08 PM
Instrument 1
DB-ALC1

12035-2
Naziha Nuwayhid, PhD

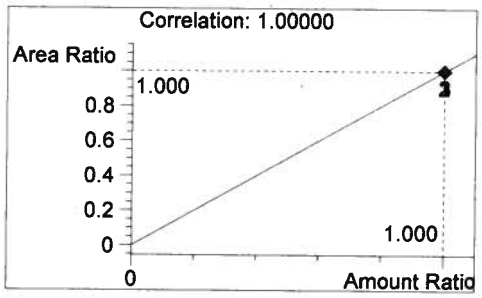
vial # 32



#	Compound	Area	RT
1	Ethanol	1132	1.041
2	n-Propanol	2478	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

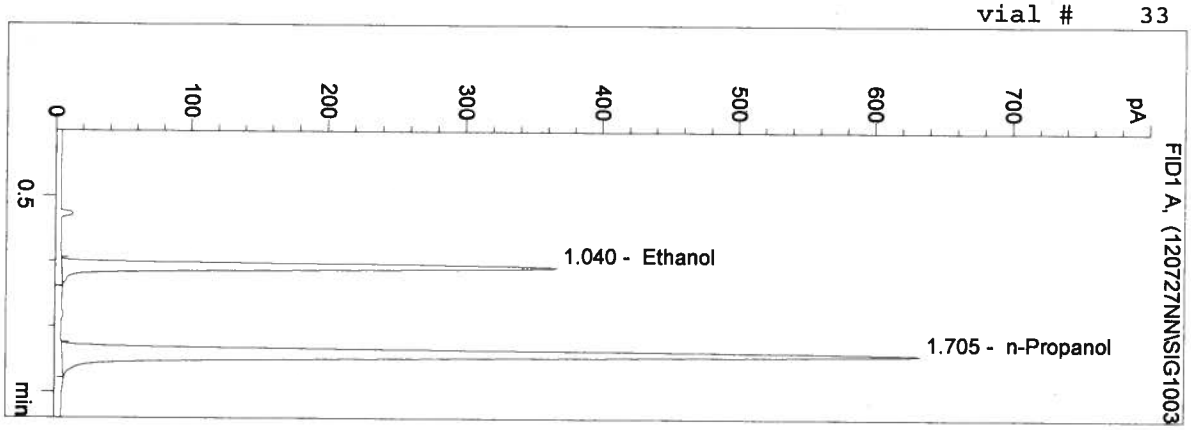
NN
7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

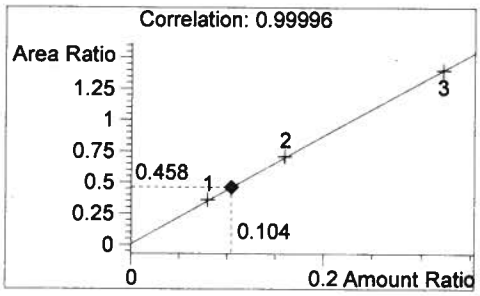
C:\HPCHEM\1\METHODS\SIMALC1.M
7/27/2012 2:12:13 PM
Instrument 1
DB-ALC1

12035-3
Naziha Nuwayhid, PhD

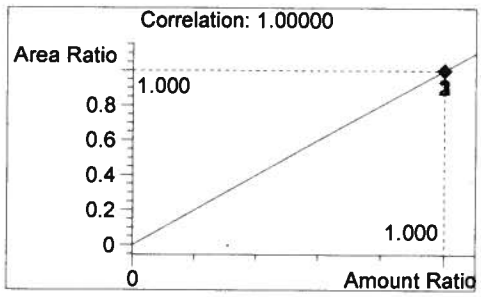
vial # 33



#	Compound	Area	RT
1	Ethanol	1145	1.040
2	n-Propanol	2500	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

NN
7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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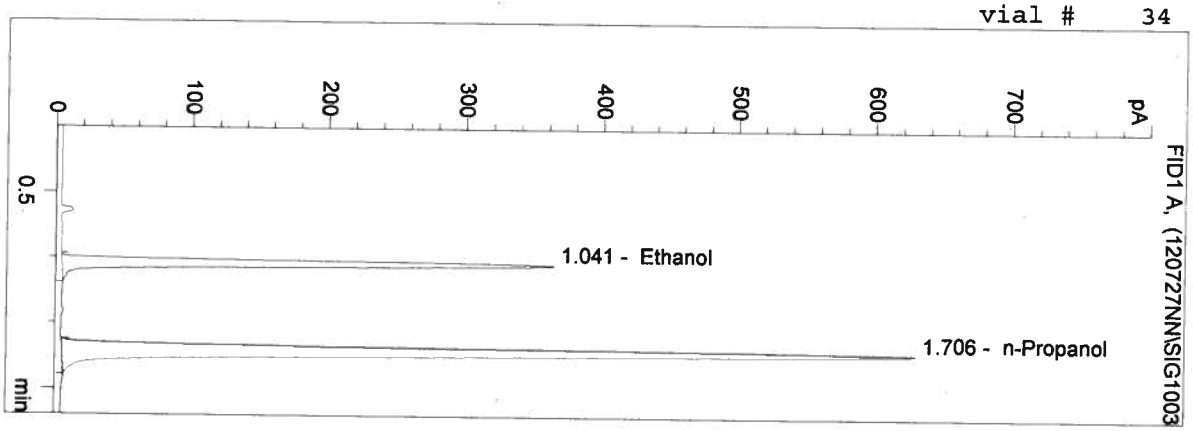
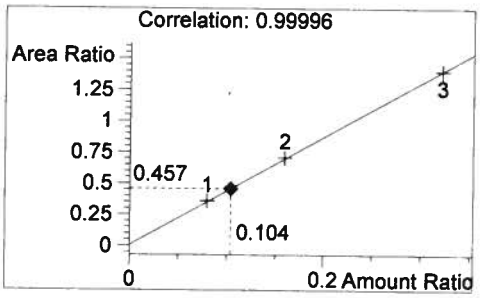
7/27/2012 2:15:18 PM
Instrument 1
DB-ALC1

12035-4
Naziha Nuwayhid, PhD

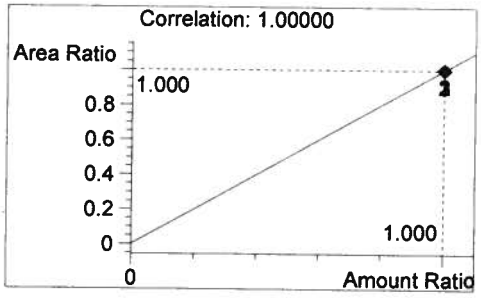
vial # 34



#	Compound	Area	RT
1	Ethanol	1138	1.041
2	n-Propanol	2490	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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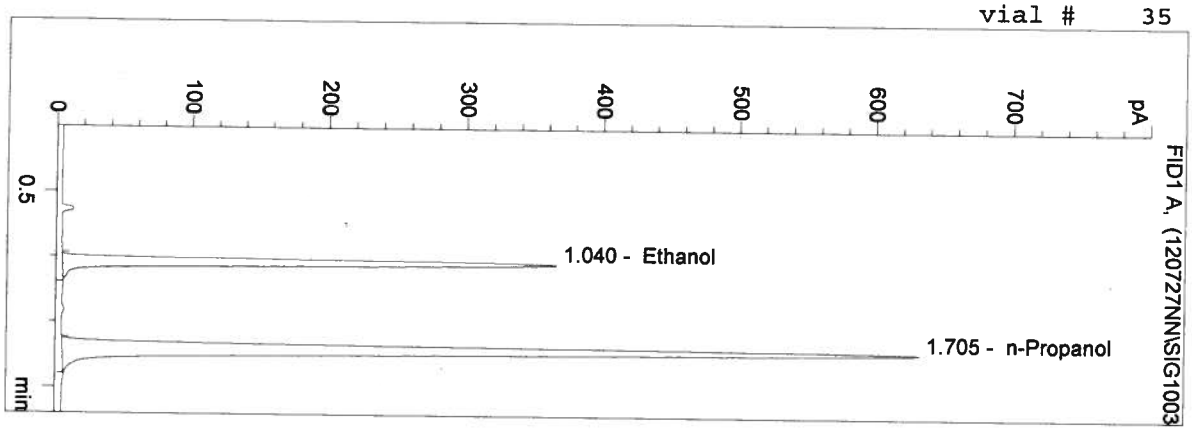
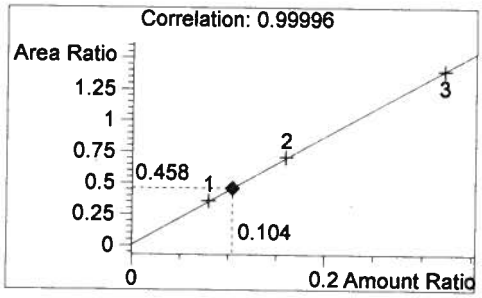
7/27/2012 2:18:23 PM
Instrument 1
DB-ALC1

12035-5
Naziha Nuwayhid, PhD

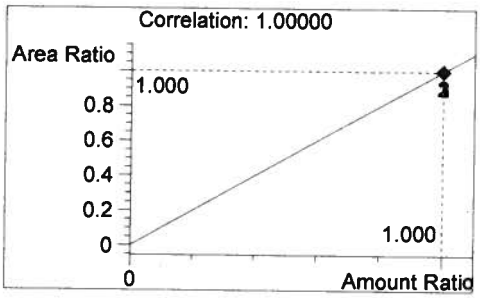
vial # 35



#	Compound	Area	RT
1	Ethanol	1143	1.040
2	n-Propanol	2497	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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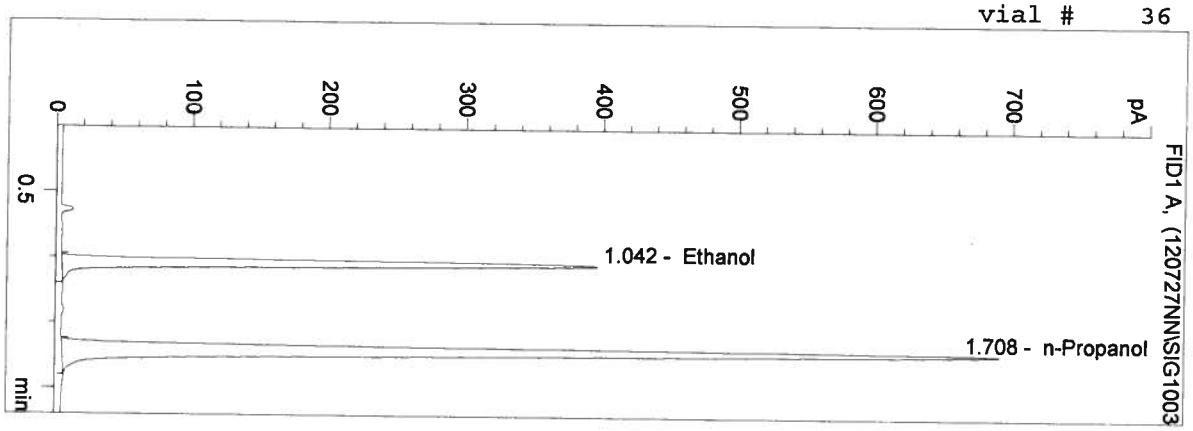
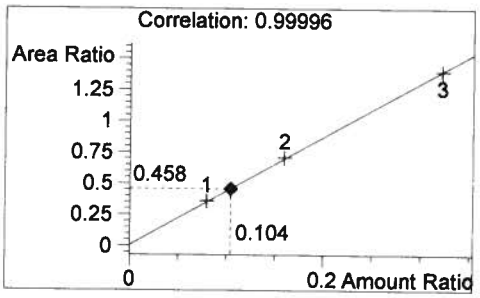
7/27/2012 2:21:27 PM
Instrument 1
DB-ALC1

0.10 CONTROL-NN
Naziha Nuwayhid, PhD

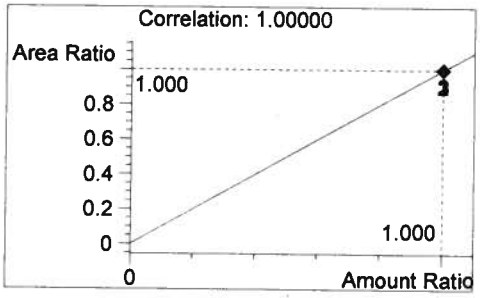
vial # 36



#	Compound	Area	RT
1	Ethanol	1251	1.042
2	n-Propanol	2734	1.708
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

12035

NN
7/27/12

WASHINGTON STATE TOXICOLOGY LABORATORY

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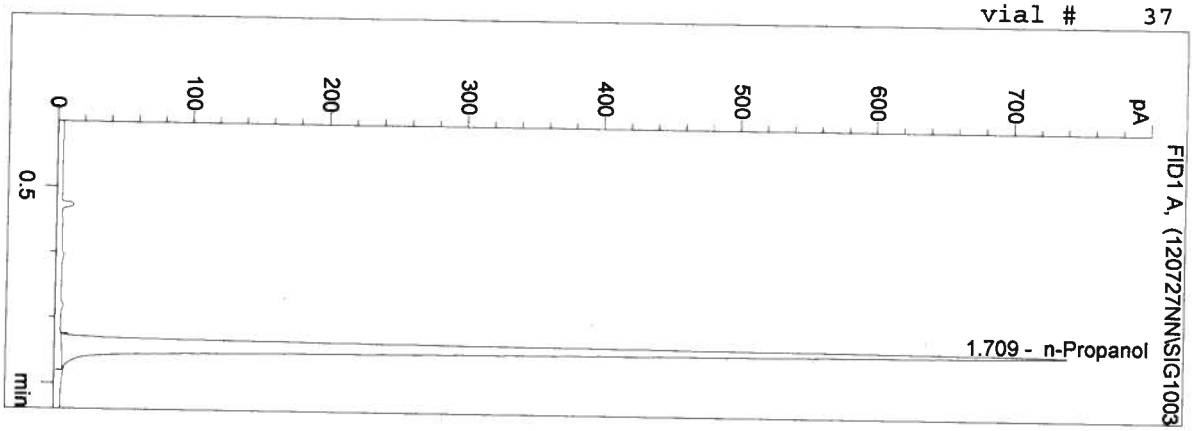
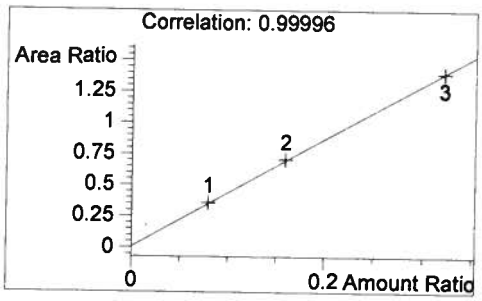
7/27/2012 2:24:32 PM
Instrument 1
DB-ALC1

NEG CONTROL-NN
Naziha Nuwayhid, PhD

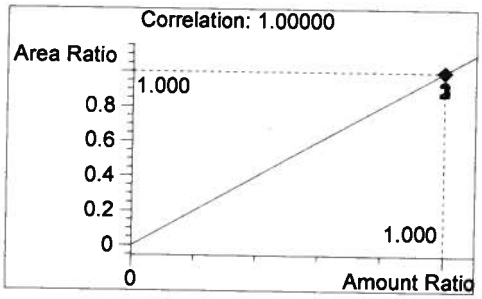
vial # 37



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2937	1.709
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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Sequence Parameters:

Operator:	asa louis
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120806AL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e0612-01 exp 09/25/2012
cal 2 e0612-02 exp 09/25/2012
cal 3 e0612-03 exp 09/25/2012
0.04 control lot# a077459 exp 02/2015
0.10 control lot# a083355 exp 12/2015
0.20 control lot# a084657 exp 02/2016

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC1	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC1	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC1	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC1	1	Calib		
5	Vial 5	neg control - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg control - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	12035 #1	SIMALC1	1	Sample		
11	Vial 11	12035 #2	SIMALC1	1	Sample		
12	Vial 12	12035 #3	SIMALC1	1	Sample		
13	Vial 13	12035 #4	SIMALC1	1	Sample		
14	Vial 14	12035 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC1	1	Ctrl Samp		

AA
2012 Aug 06

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 cal 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 cal 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 cal 3	SIMALC1	3	Replace	Replace	

12035

Sequence Table (Back Injector):

Sequence: C:\HPCHEM\1\SEQUENCE\AL-ESS1.S

No entries - empty table!

AL
202 Aug 06

12035

Calibration Table

Calib. Data Modified : Monday, August 06, 2012 11:02:58 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	898.66565	8.86870e-5	1		Ethanol
		2	1.59870e-1	1764.07214	9.06255e-5			
		3	3.21590e-1	3454.14868	9.31025e-5			
1.704	1	1	1.00000	2533.02881	3.94784e-4	I1		n-Propanol
		2	1.00000	2459.88281	4.06523e-4			
		3	1.00000	2446.48828	4.08749e-4			

Peak Sum Table

No Entries in table

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12035

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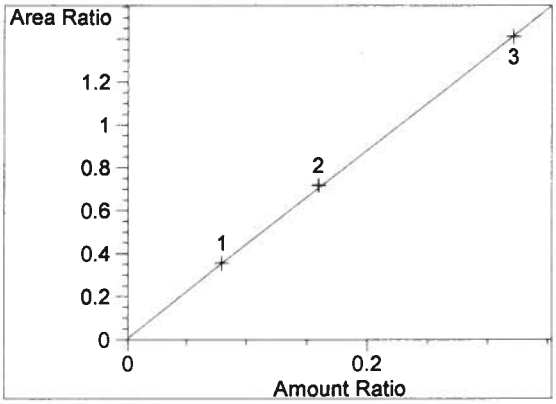
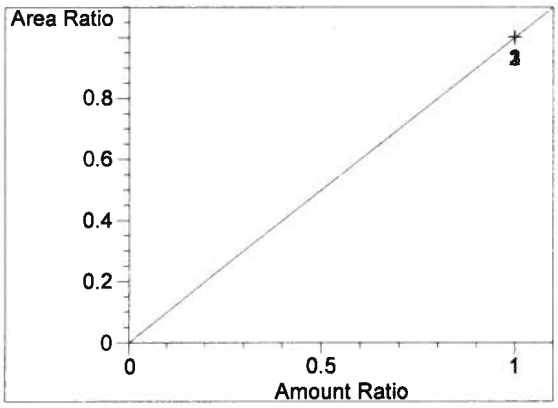
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.00881
Formula: y = mx + b
m: 4.39038
b: 5.02329e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.704
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

AL
2012 Aug 06

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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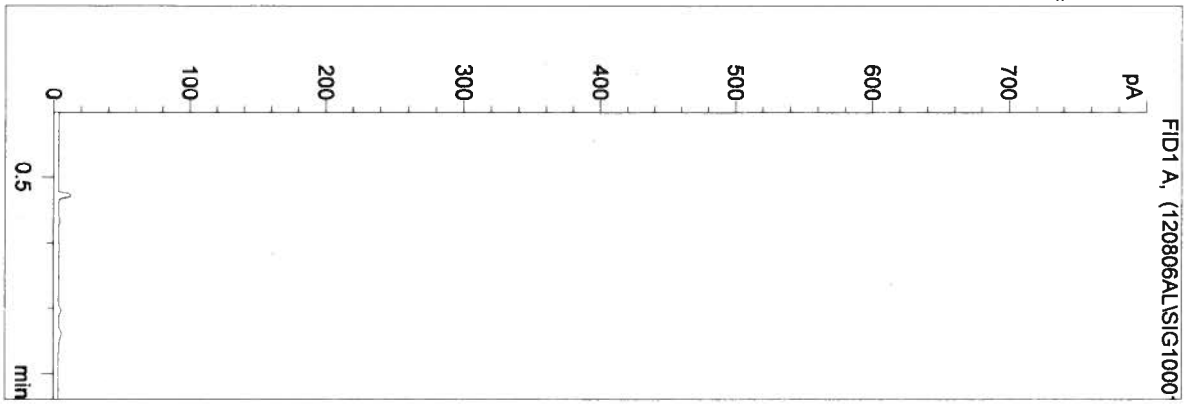
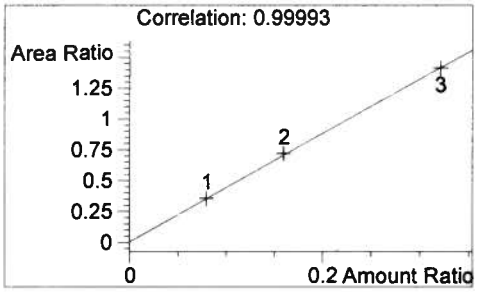
8/6/2012 10:51:31 AM
Instrument 1
DB-ALC1

blank
asa louis

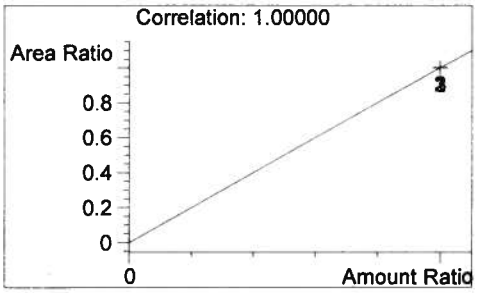
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

A
2012 Aug 06

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WASHINGTON STATE TOXICOLOGY LABORATORY

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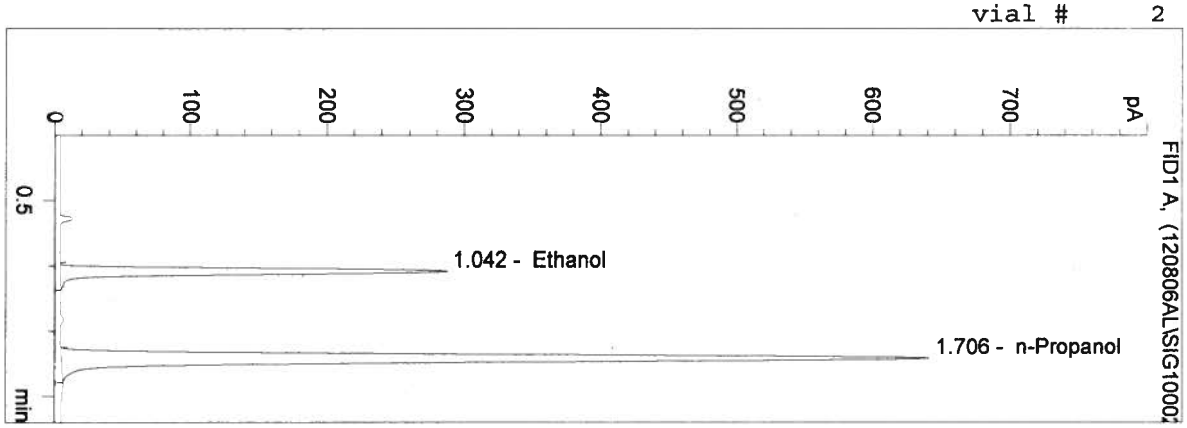
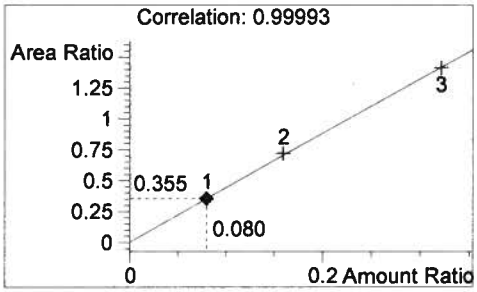
8/6/2012 10:54:35 AM
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

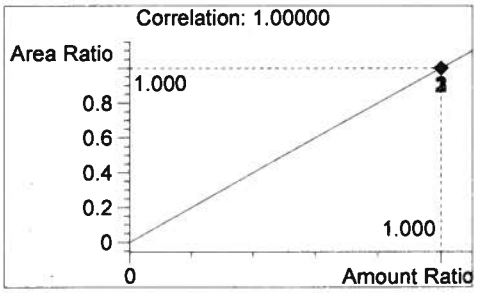
vial # 2



#	Compound	Area	RT
1	Ethanol	899	1.042
2	n-Propanol	2533	1.706
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

M
2nd Aug 06

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WASHINGTON STATE TOXICOLOGY LABORATORY

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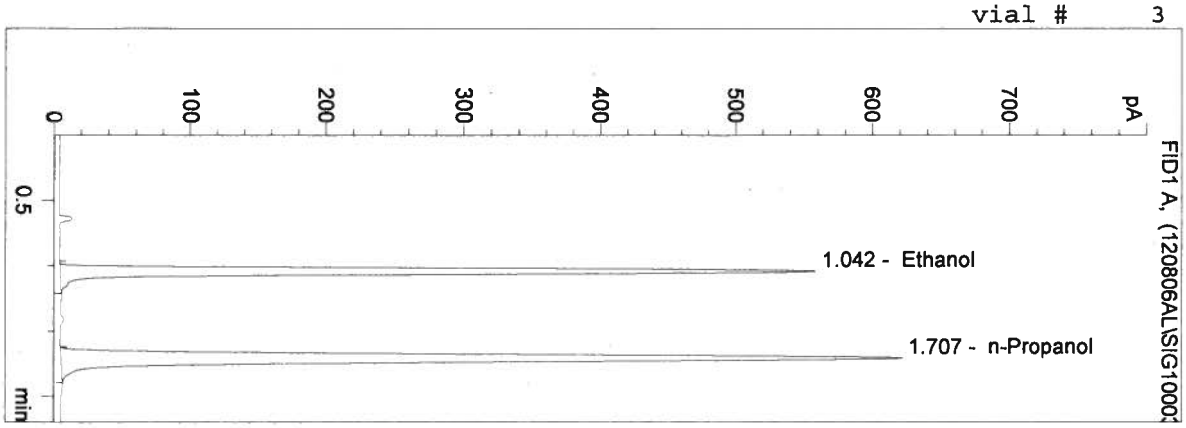
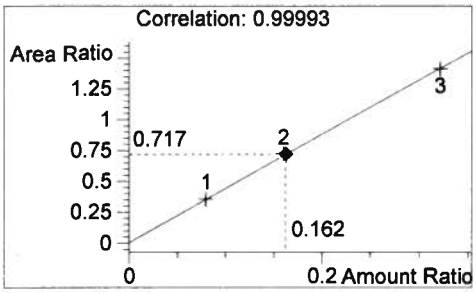
8/6/2012 10:57:40 AM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

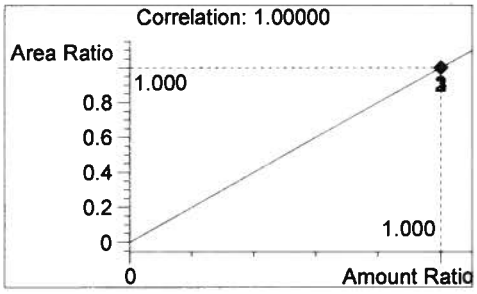
vial # 3



#	Compound	Area	RT
1	Ethanol	1764	1.042
2	n-Propanol	2460	1.707
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

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WASHINGTON STATE TOXICOLOGY LABORATORY

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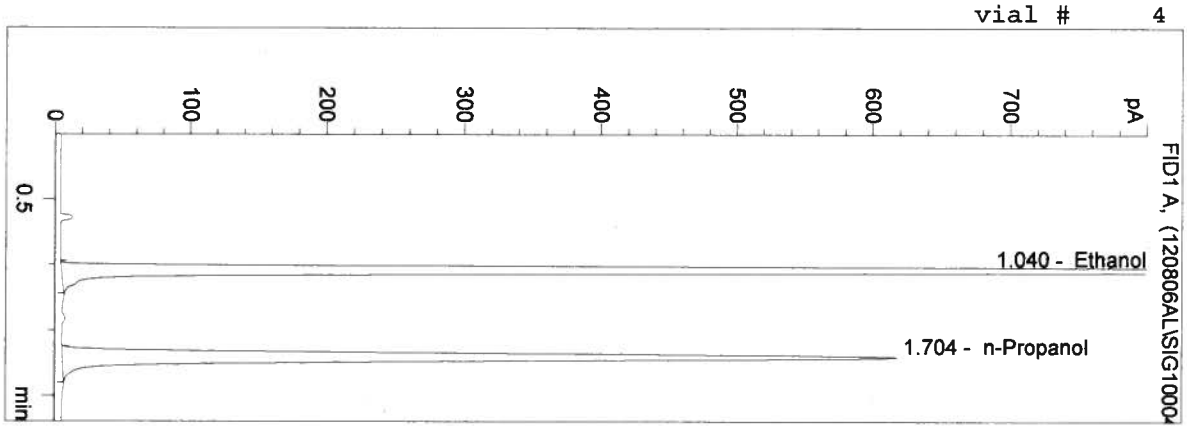
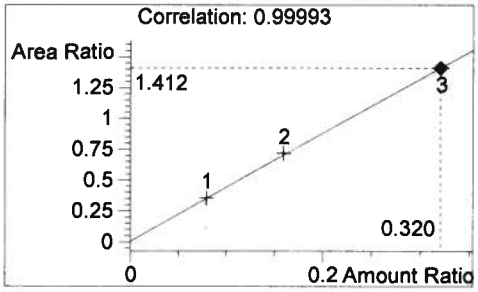
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

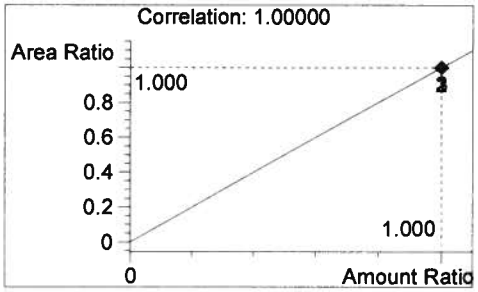
vial # 4



#	Compound	Area	RT
1	Ethanol	3454	1.040
2	n-Propanol	2446	1.704
Tot			



Ethanol 0.320 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

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WASHINGTON STATE TOXICOLOGY LABORATORY

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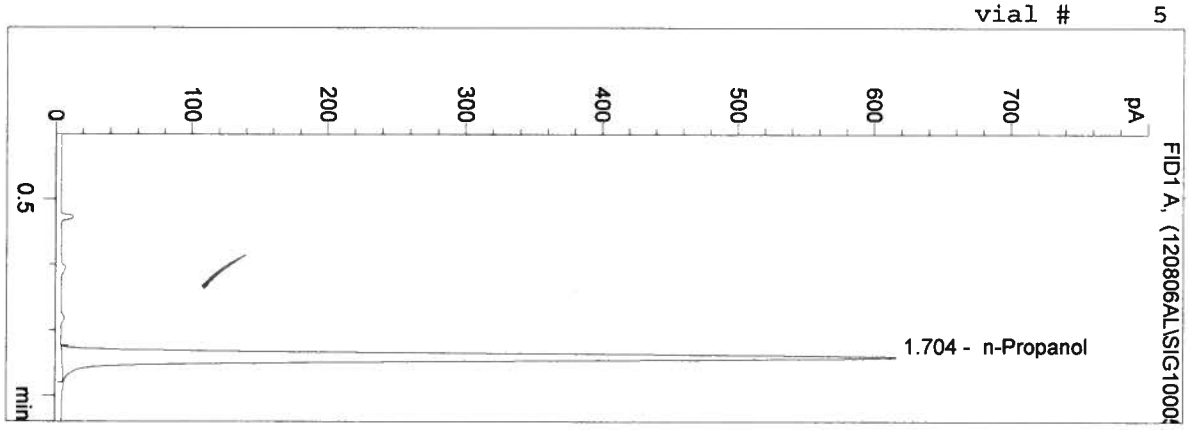
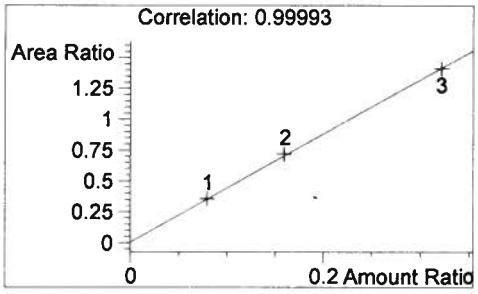
Instrument 1
DB-ALC1

neg control - al
asa louis

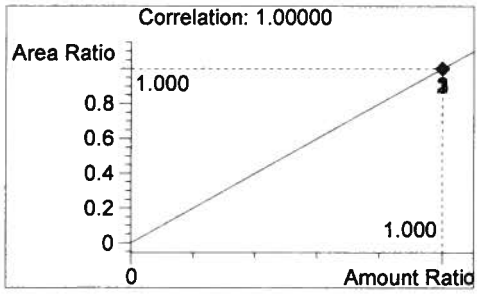
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2438	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

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WASHINGTON STATE TOXICOLOGY LABORATORY

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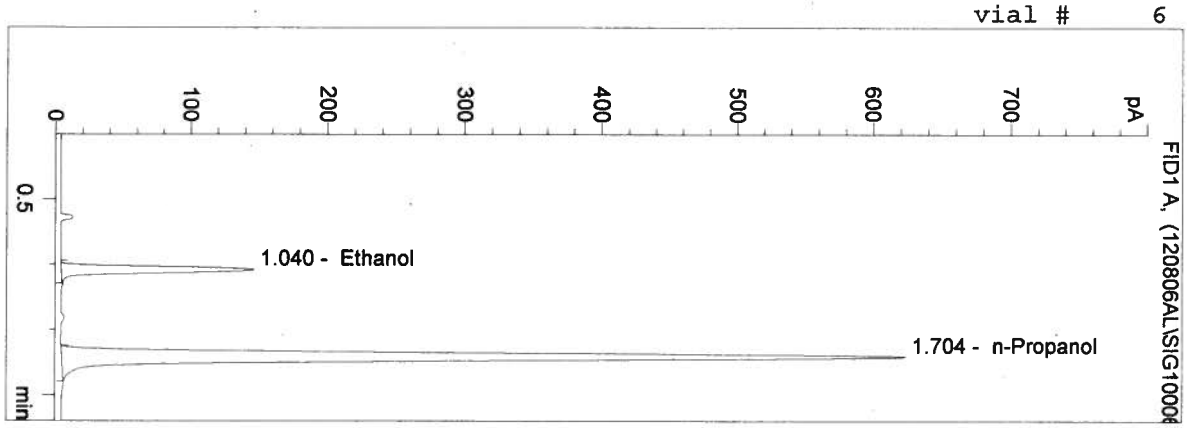
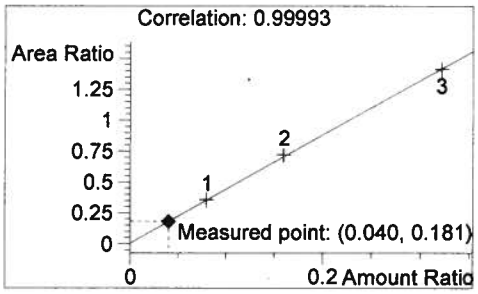
8/6/2012 11:06:54 AM
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

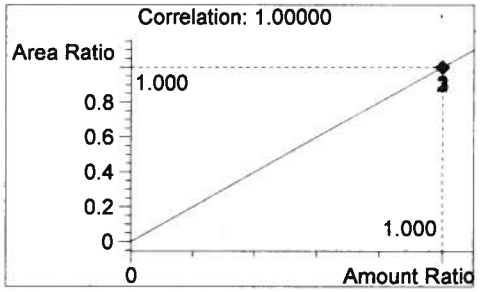
vial # 6



#	Compound	Area	RT
1	Ethanol	444	1.040
2	n-Propanol	2458	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

2012 Aug 06

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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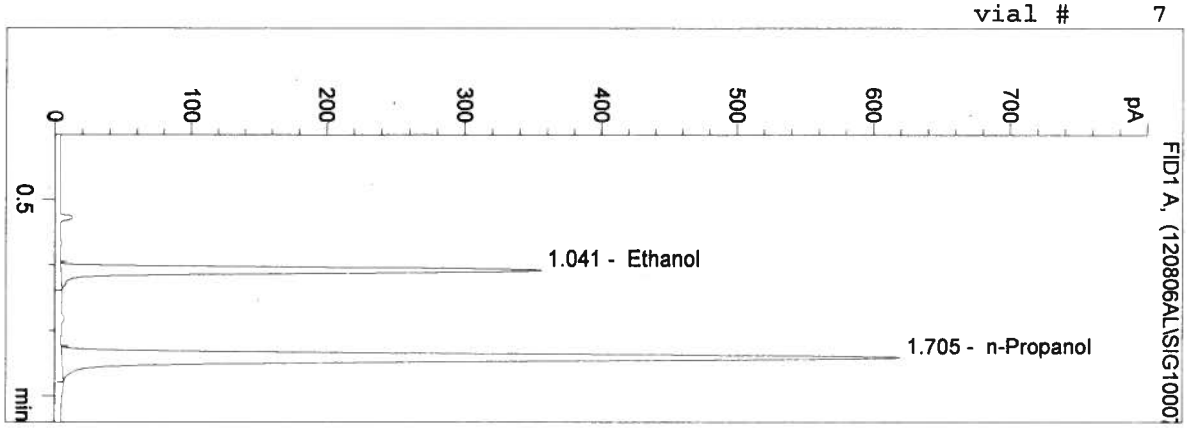
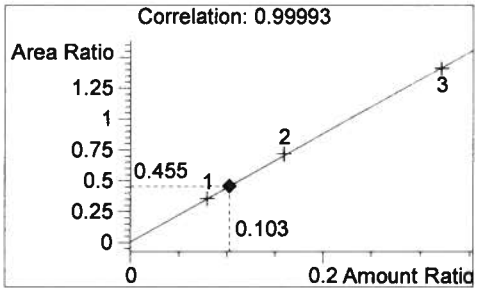
8/6/2012 11:09:59 AM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

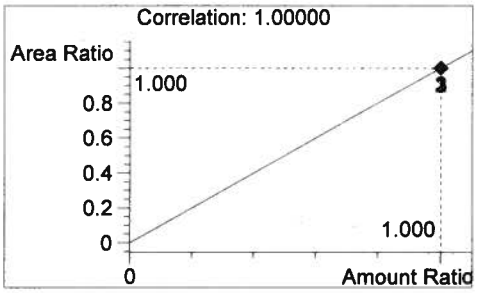
vial # 7



#	Compound	Area	RT
1	Ethanol	1113	1.041
2	n-Propanol	2443	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

AC
2012 Aug 06

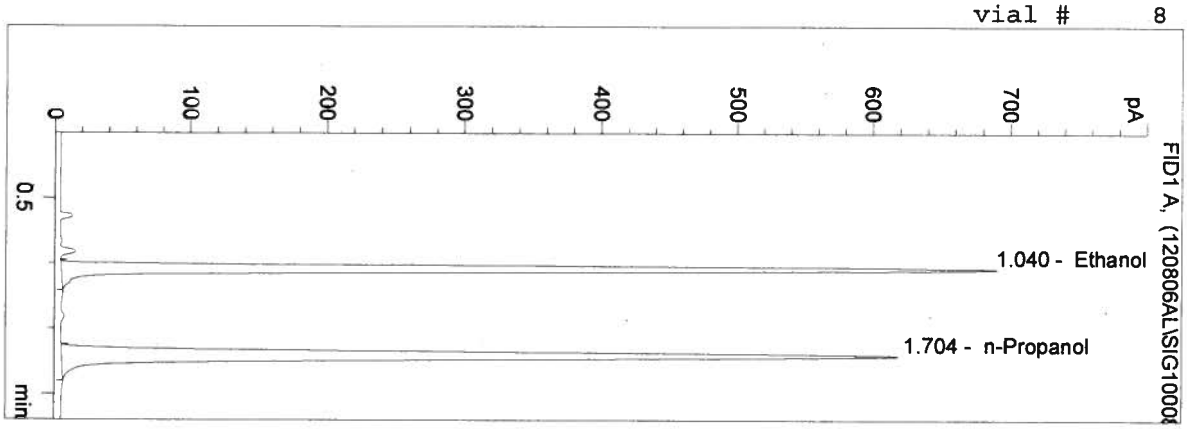
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

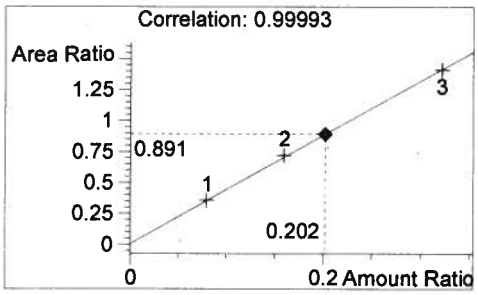
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 11:13:04 AM
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

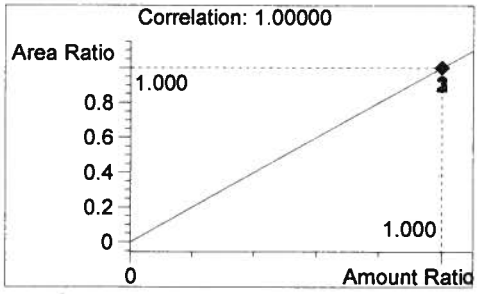
vial # 8



#	Compound	Area	RT
1	Ethanol	2181	1.040
2	n-Propanol	2448	1.704
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

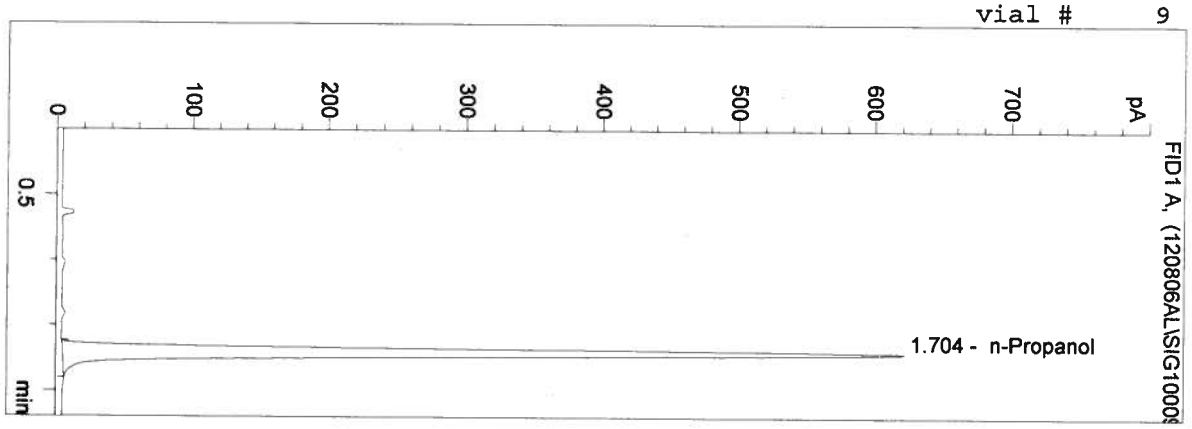
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

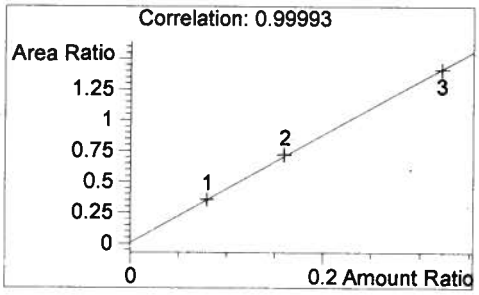
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 11:16:09 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

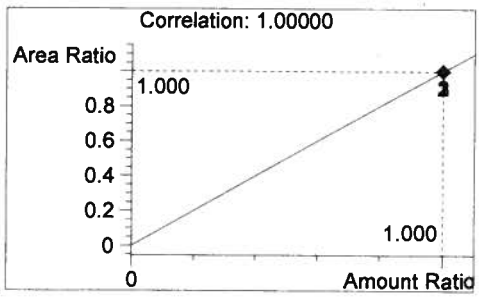
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2461	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 Aug 06

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WASHINGTON STATE TOXICOLOGY LABORATORY

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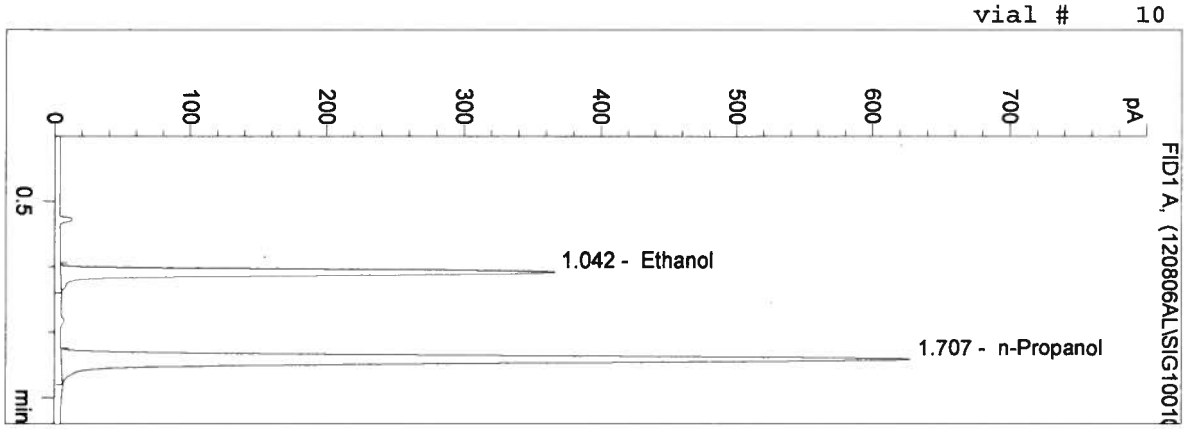
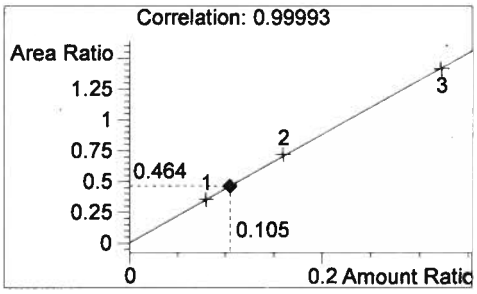
8/6/2012 11:19:14 AM
Instrument 1
DB-ALC1

12035 #1
asa louis

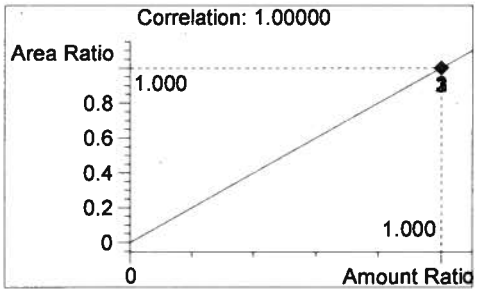
vial # 10



#	Compound	Area	RT
1	Ethanol	1151	1.042
2	n-Propanol	2480	1.707
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

A
2012 Aug 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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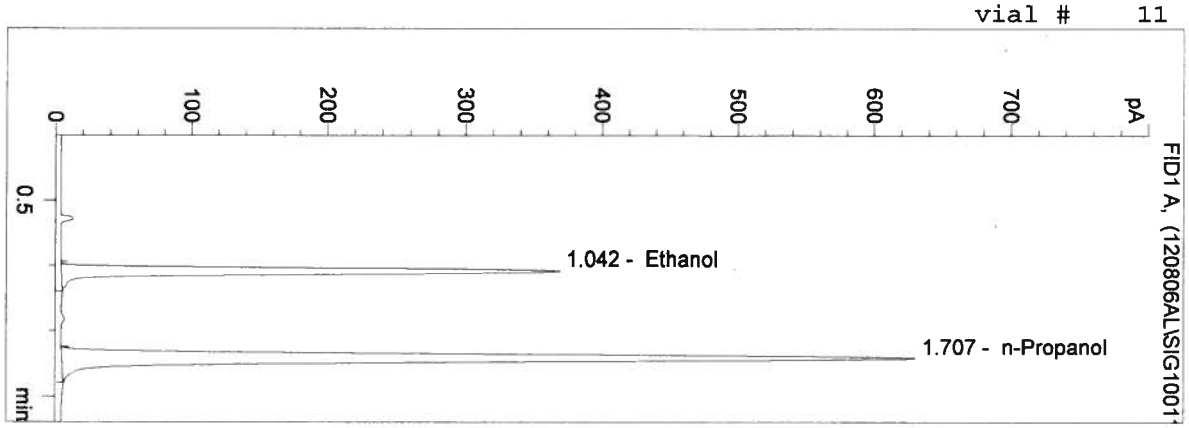
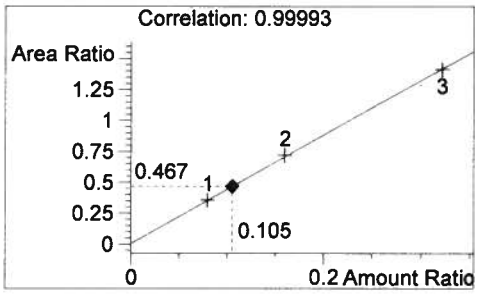
8/6/2012 11:22:18 AM
Instrument 1
DB-ALC1

12035 #2
asa louis

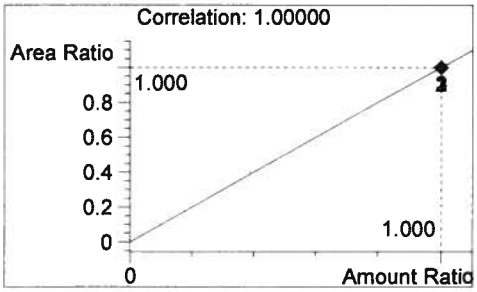
vial # 11



#	Compound	Area	RT
1	Ethanol	1163	1.042
2	n-Propanol	2493	1.707
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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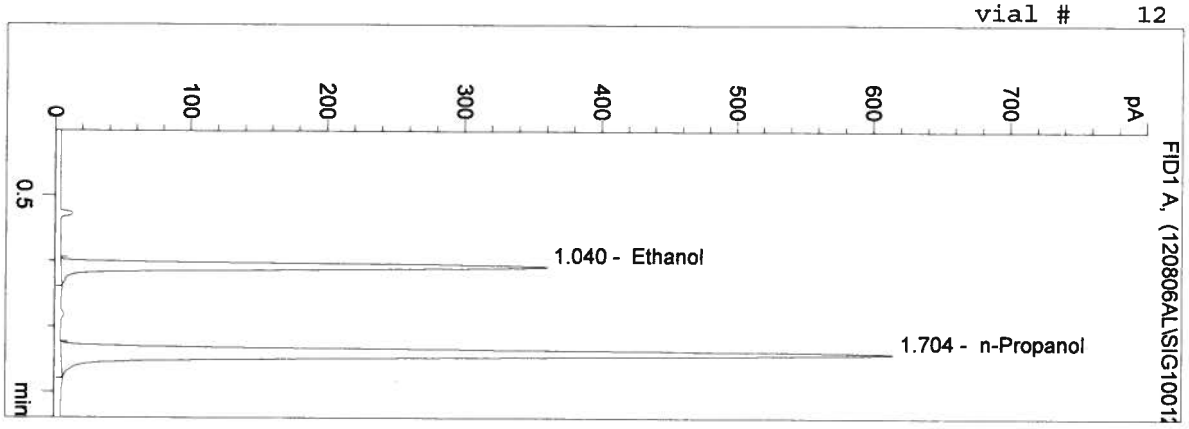
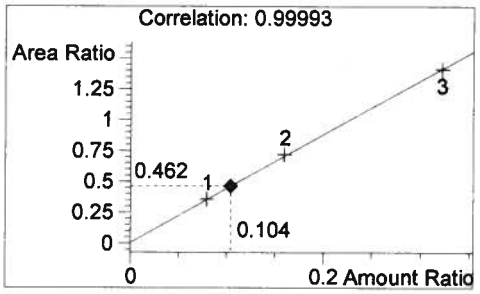
Instrument 1
DB-ALC1

12035 #3
asa louis

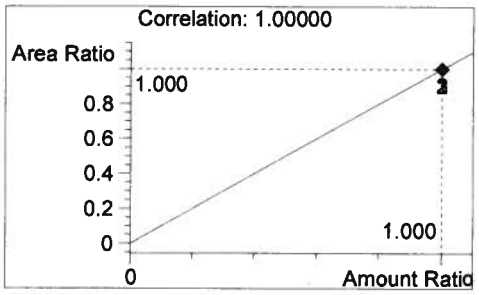
vial # 12



#	Compound	Area	RT
1	Ethanol	1121	1.040
2	n-Propanol	2425	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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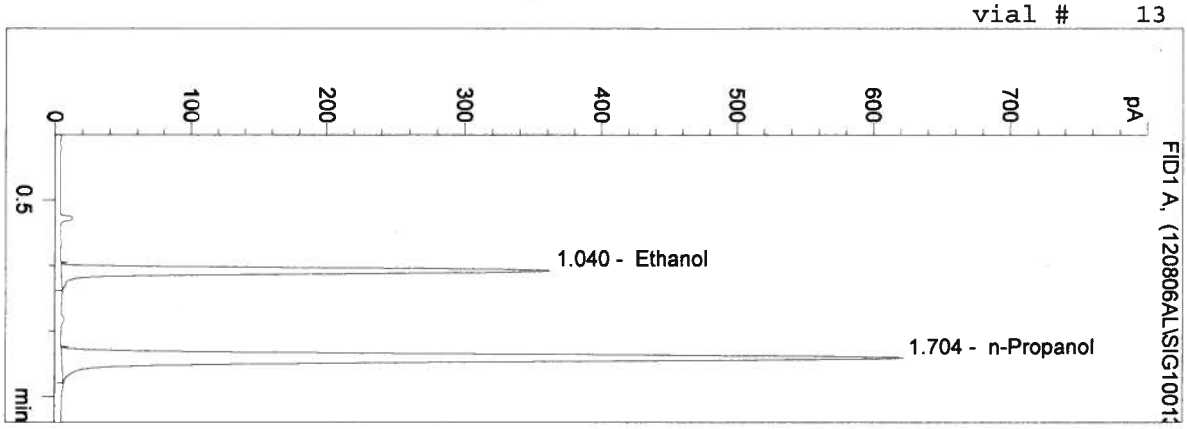
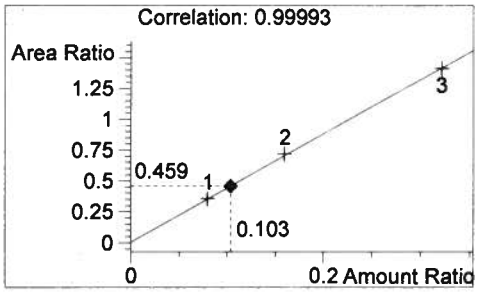
Instrument 1
DB-ALC1

12035 #4
asa louis

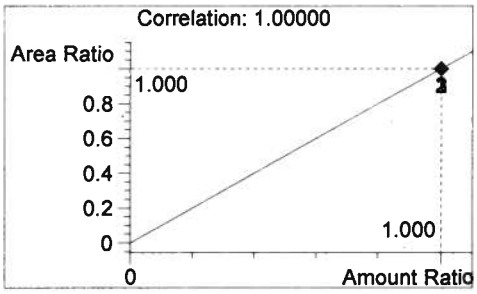
vial # 13



#	Compound	Area	RT
1	Ethanol	1130	1.040
2	n-Propanol	2460	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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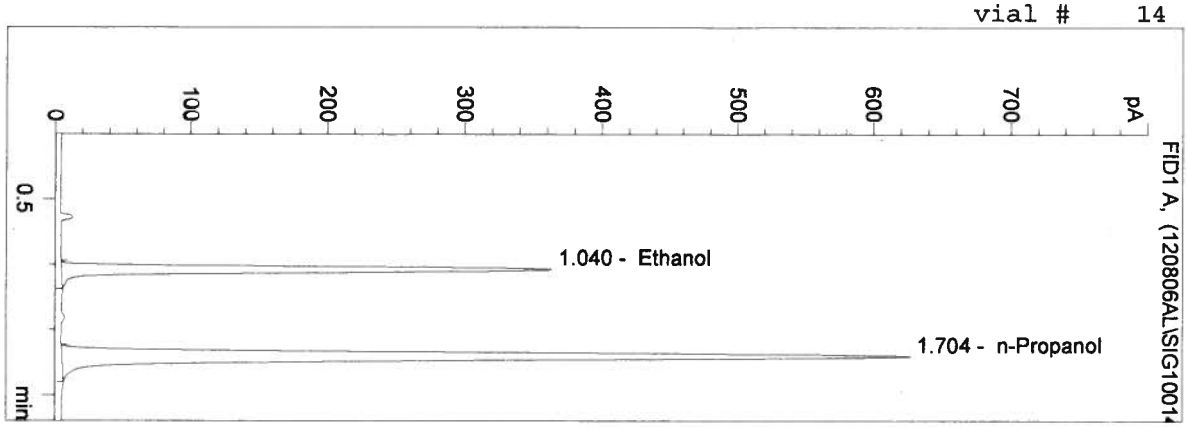
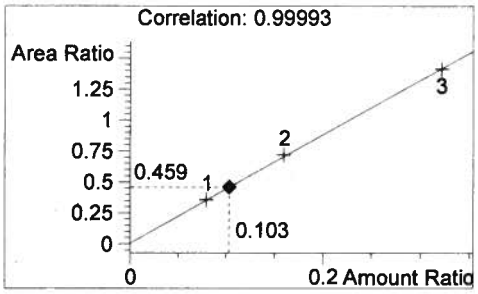
Instrument 1
DB-ALC1

12035 #5
asa louis

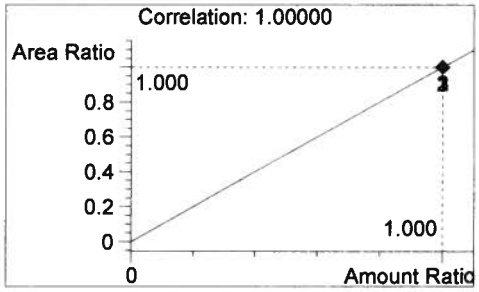
vial # 14



#	Compound	Area	RT
1	Ethanol	1137	1.040
2	n-Propanol	2480	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Aug 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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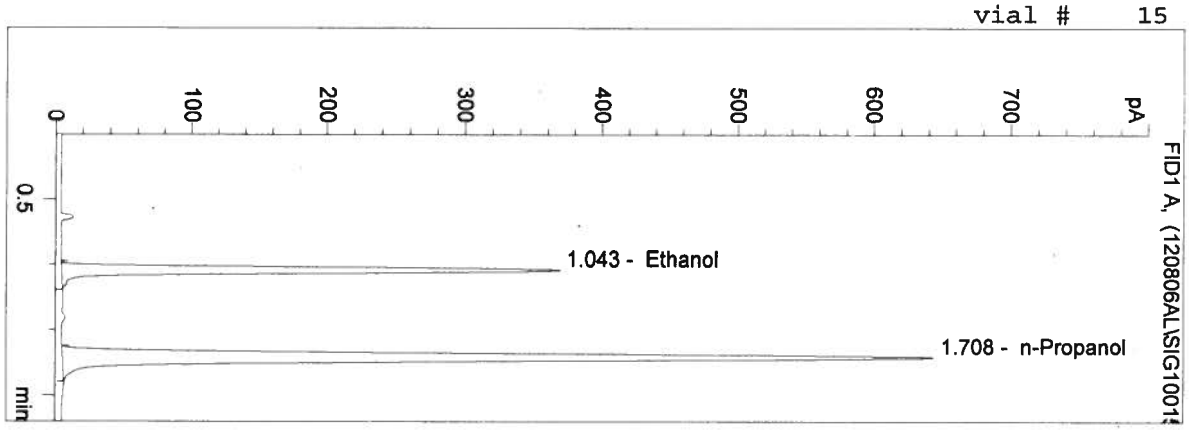
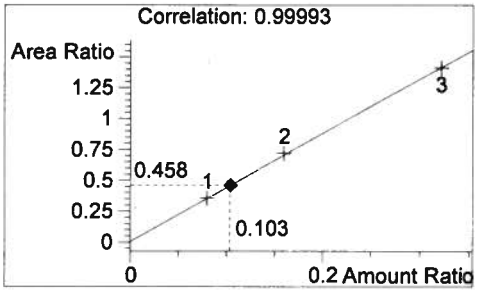
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

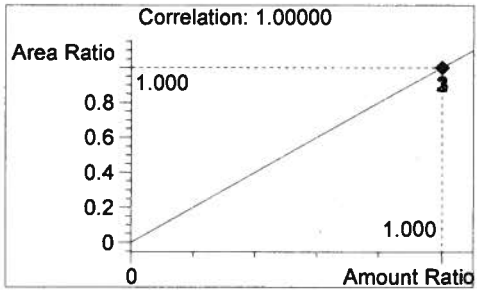
vial # 15



#	Compound	Area	RT
1	Ethanol	1167	1.043
2	n-Propanol	2551	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

AC
2012 Aug 06

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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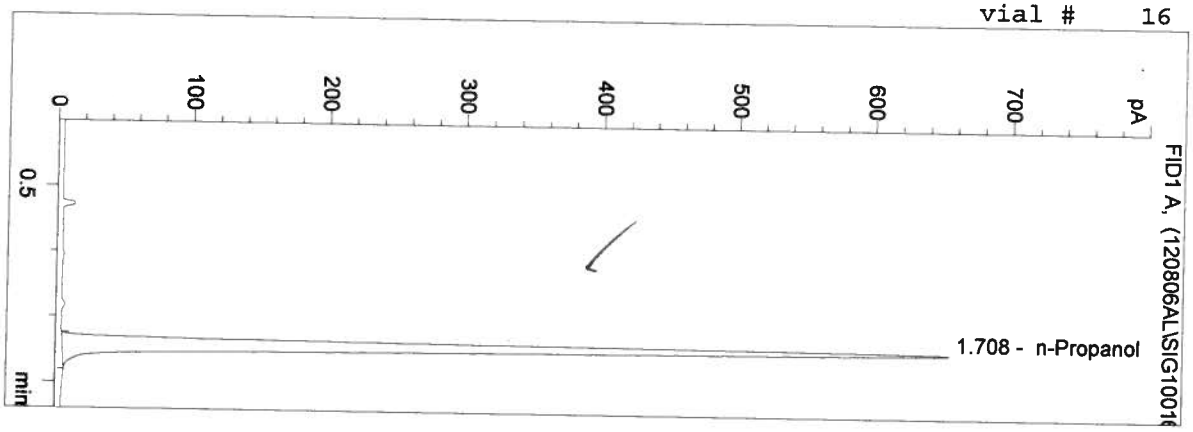
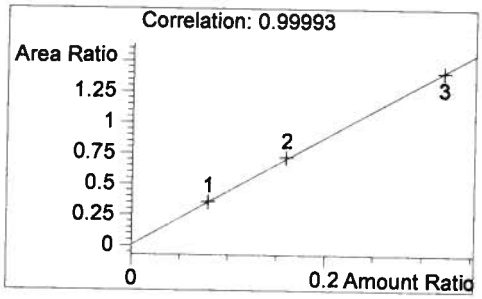
8/6/2012 11:37:42 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

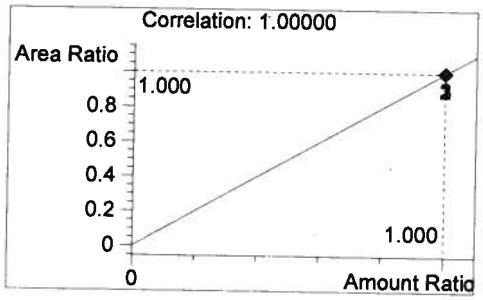
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2592	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AC
2012 Aug 06

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Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120806CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0612-01
Ethanol Calibrator 2, E0612-02
Ethanol Calibrator 3, E0612-03
0.04 Control-Lot#A077459-exp 02/2015
0.10 Control-Lot#A083355-exp 12/2015
0.20 Control-Lot#A084657-exp 02/2016

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-CJ	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
10	Vial 10	ESS 12035 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 12035 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 12035 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 12035 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 12035 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		

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Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

CJ

Sequence: C:\HPCHEM\1\SEQUENCE\CJEXTST1.S

No entries - empty table!

12035

CJ

Calibration Table

Calib. Data Modified : Monday, August 06, 2012 5:42:50 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	854.39868	9.32820e-5	1		Ethanol
		2	1.59870e-1	1753.59644	9.11669e-5			
		3	3.21590e-1	3481.12354	9.23811e-5			
1.704	1	1	1.00000	2471.06787	4.04683e-4	I1		n-Propanol
		2	1.00000	2464.73779	4.05723e-4			
		3	1.00000	2467.10010	4.05334e-4			

Peak Sum Table

No Entries in table

12035

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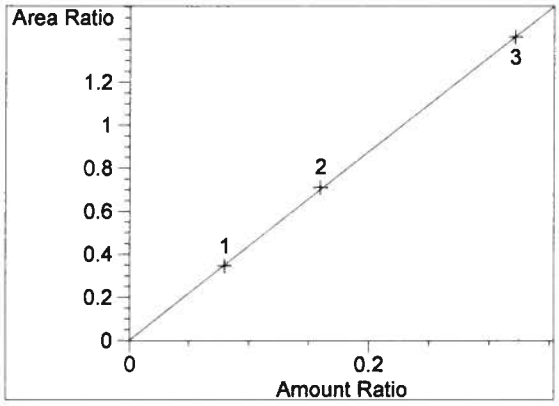
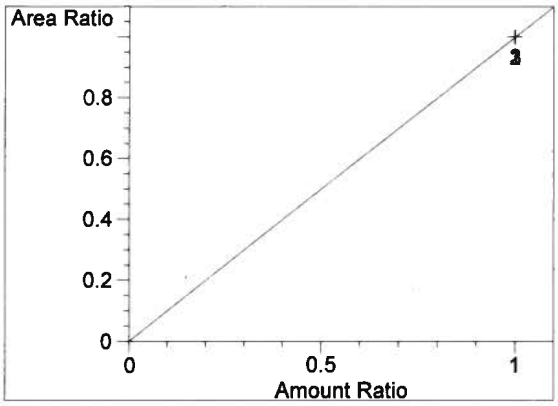
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00719
Formula: y = mx + b
m: 4.39531
b: 4.45437e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.704
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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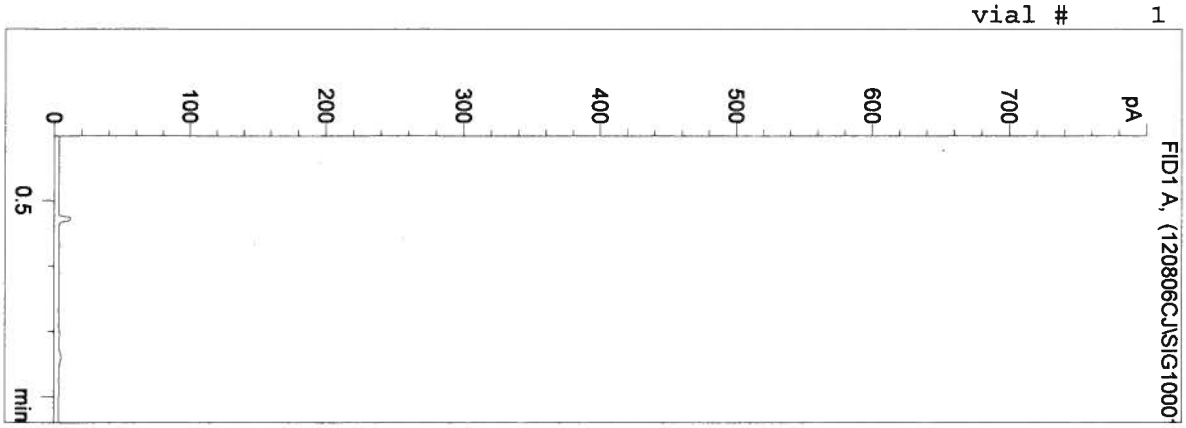
WASHINGTON STATE TOXICOLOGY LABORATORY

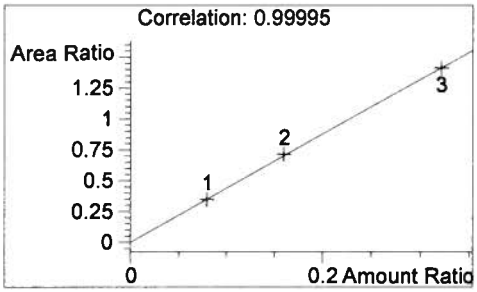
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 5:31:23 PM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

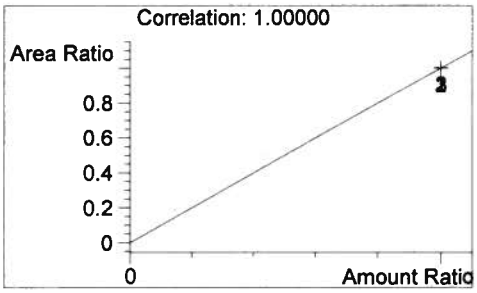
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

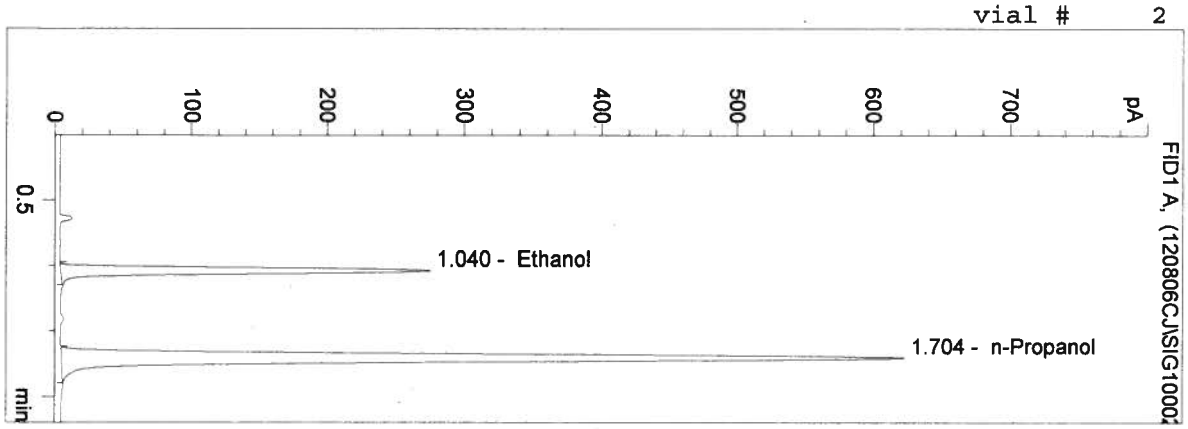
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

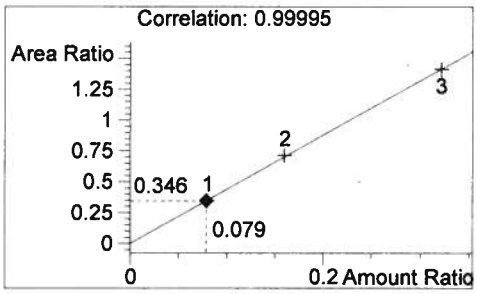
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 5:34:28 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

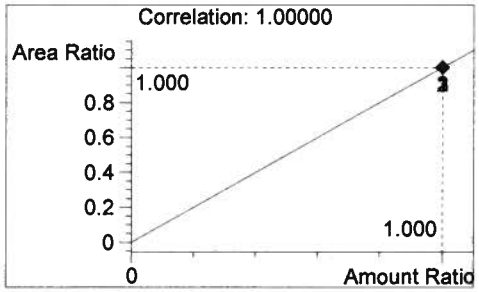
vial # 2



#	Compound	Area	RT
1	Ethanol	854	1.040
2	n-Propanol	2471	1.704
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12035

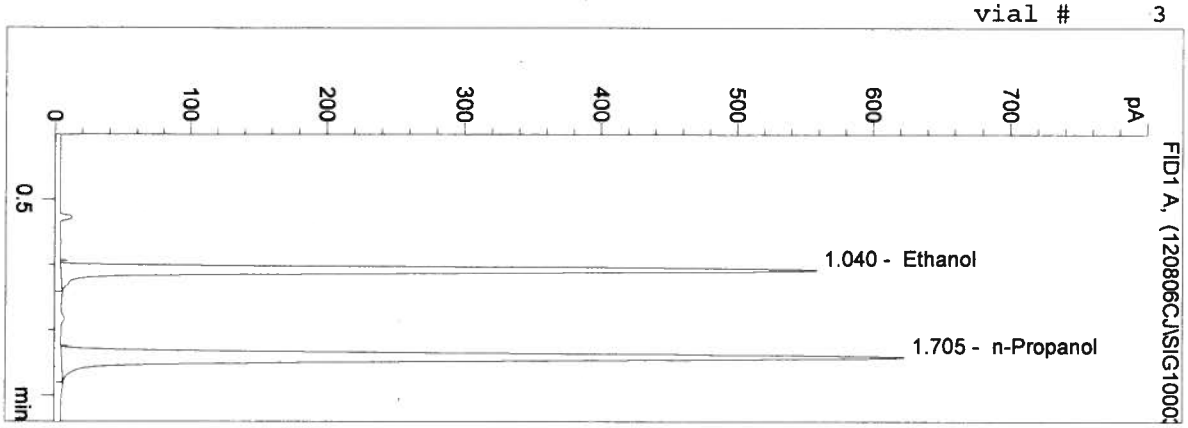
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

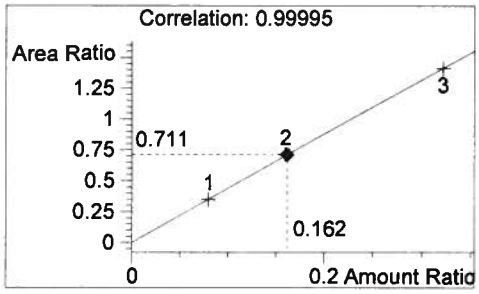
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 5:37:33 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

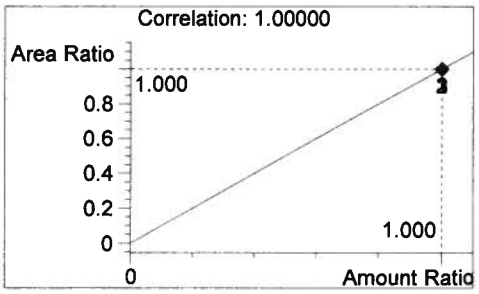
vial # 3



#	Compound	Area	RT
1	Ethanol	1754	1.040
2	n-Propanol	2465	1.705
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

12035

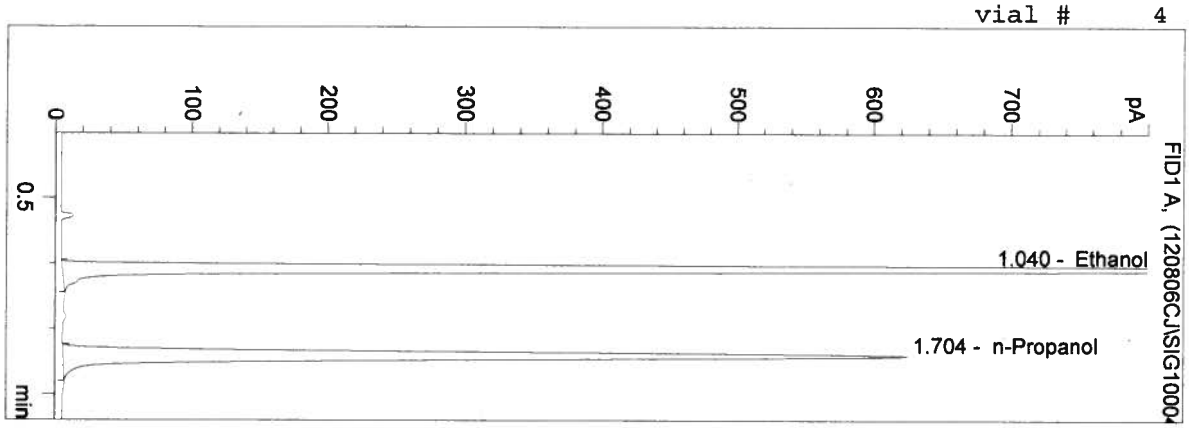
C

WASHINGTON STATE TOXICOLOGY LABORATORY

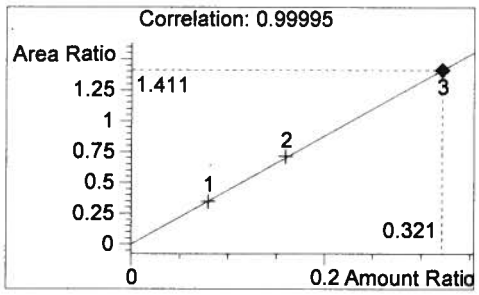
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 5:40:37 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

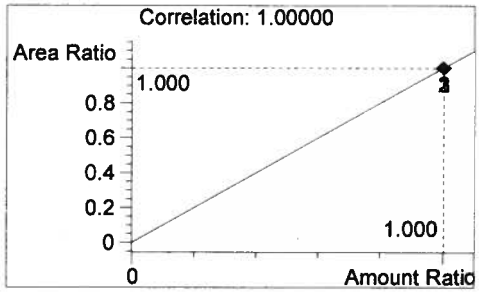
vial # 4



#	Compound	Area	RT
1	Ethanol	3481	1.040
2	n-Propanol	2467	1.704
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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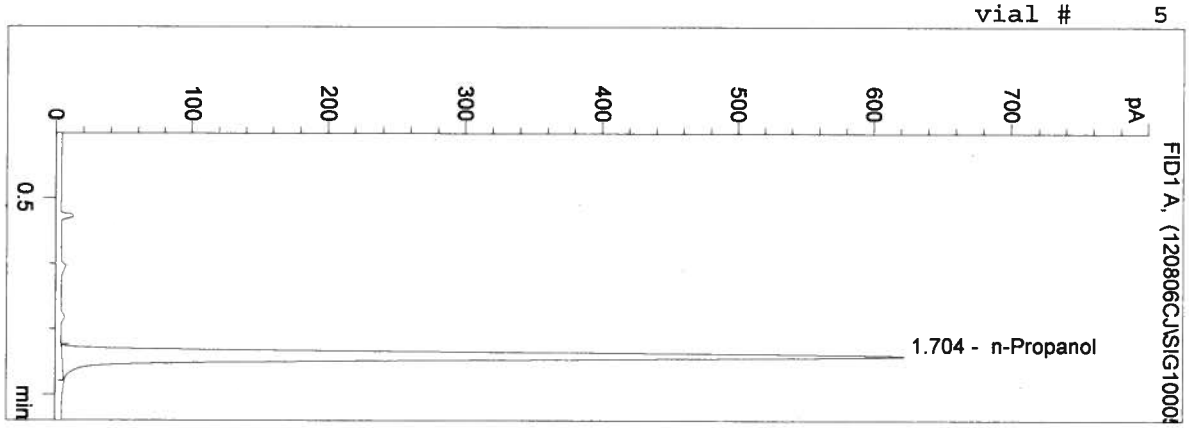
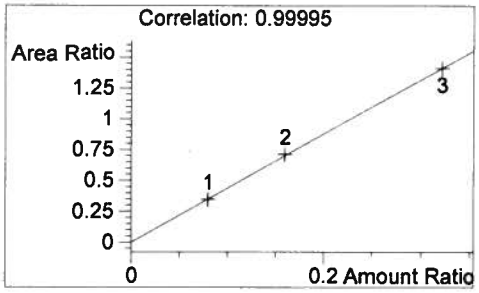
8/6/2012 5:43:42 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

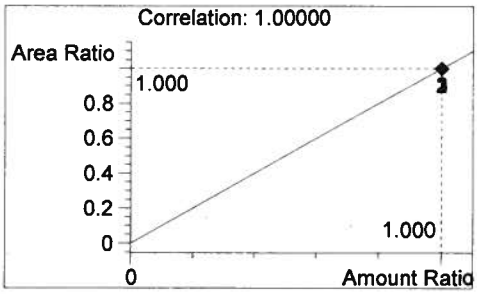
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2453	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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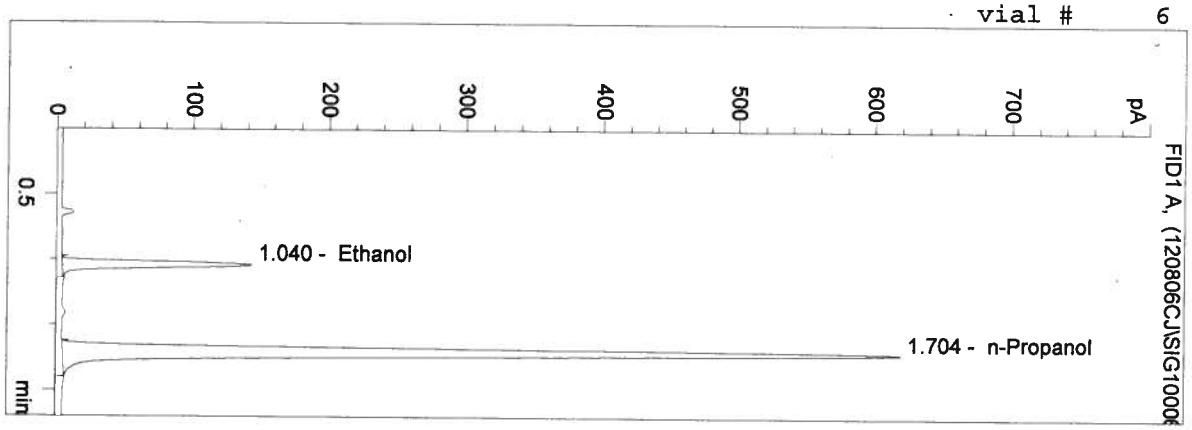
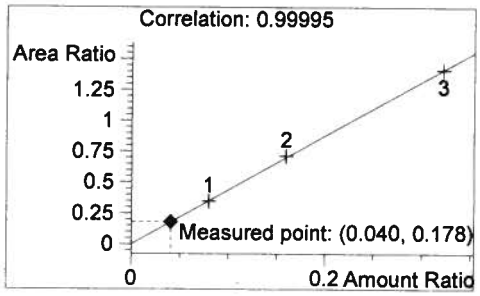
8/6/2012 5:46:47 PM
Instrument 1
DB-ALC1

0.04 CTRL-CJ
Chris Johnston

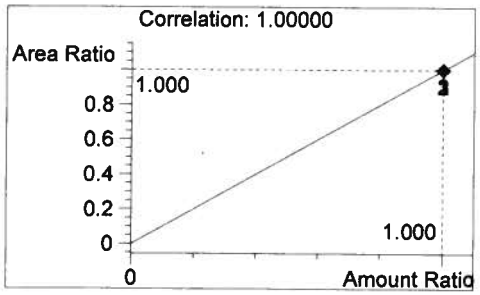
vial # 6



#	Compound	Area	RT
1	Ethanol	436	1.040
2	n-Propanol	2450	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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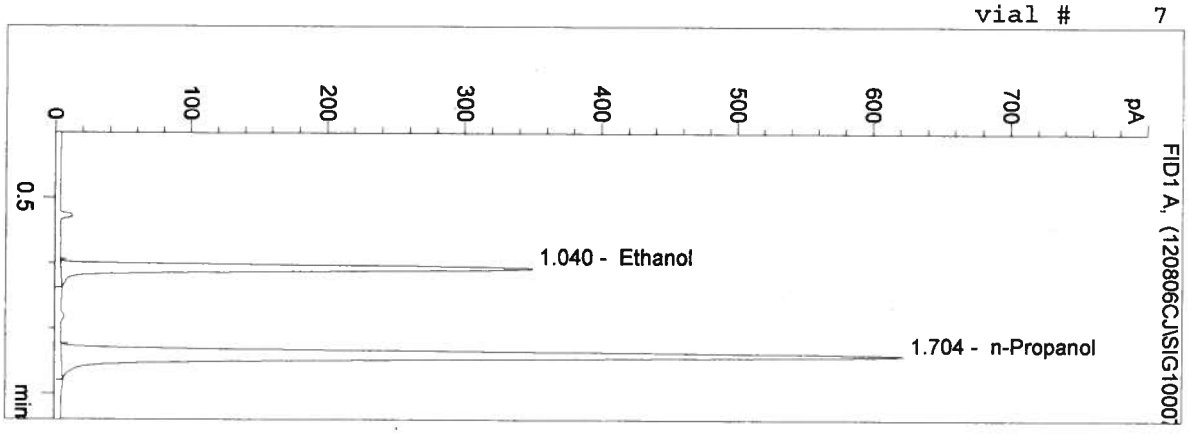
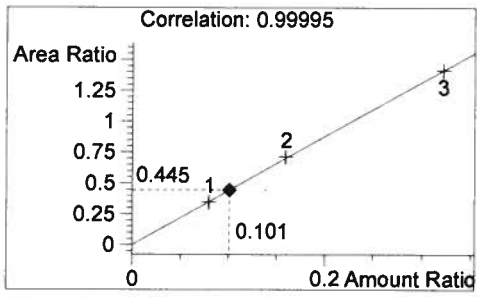
8/6/2012 5:49:52 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

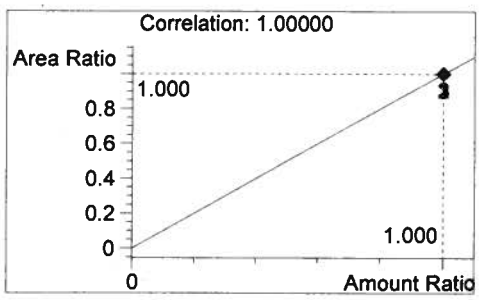
vial # 7



#	Compound	Area	RT
1	Ethanol	1094	1.040
2	n-Propanol	2461	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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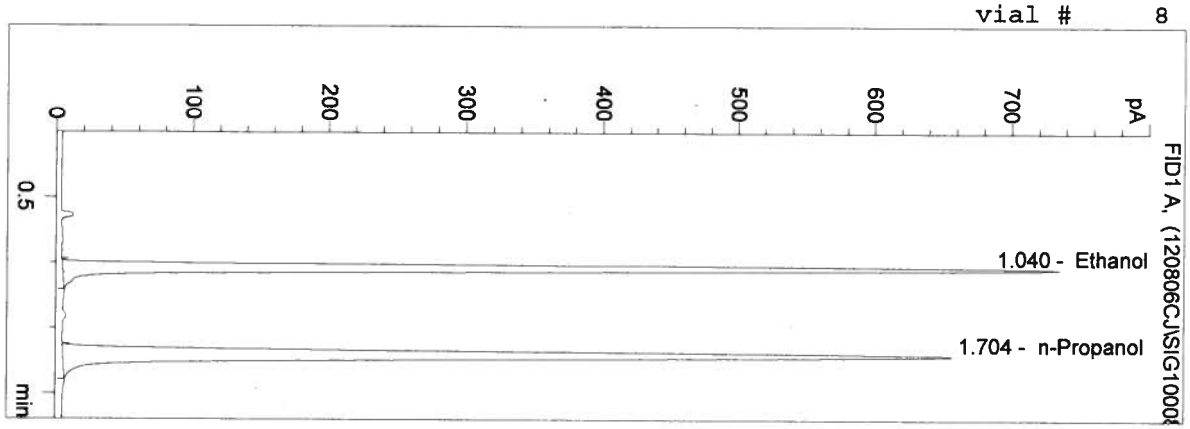
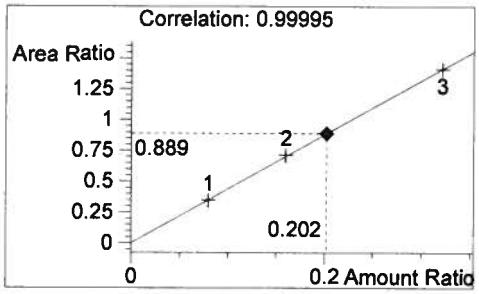
8/6/2012 5:52:57 PM
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

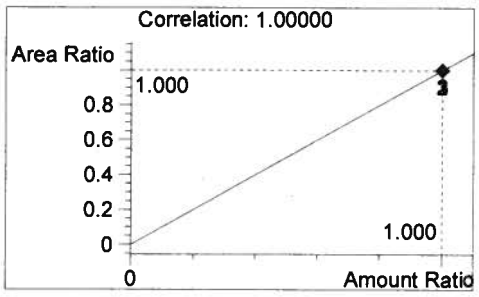
vial # 8



#	Compound	Area	RT
1	Ethanol	2301	1.040
2	n-Propanol	2589	1.704
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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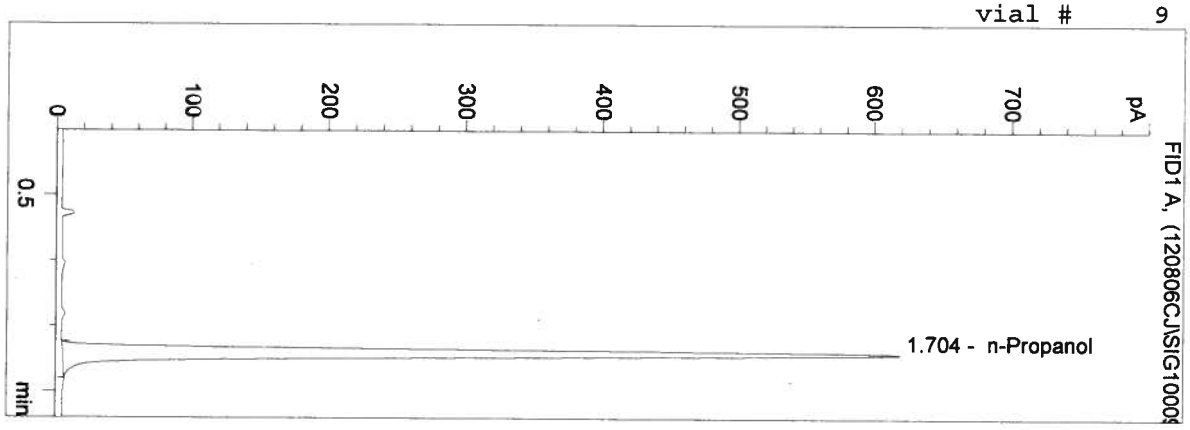
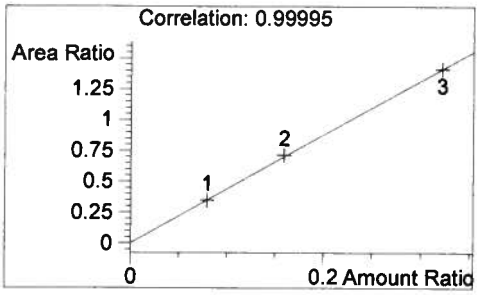
8/6/2012 5:56:02 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

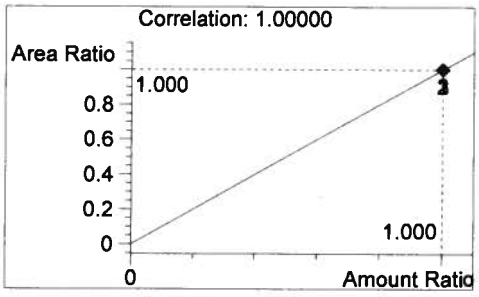
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2451	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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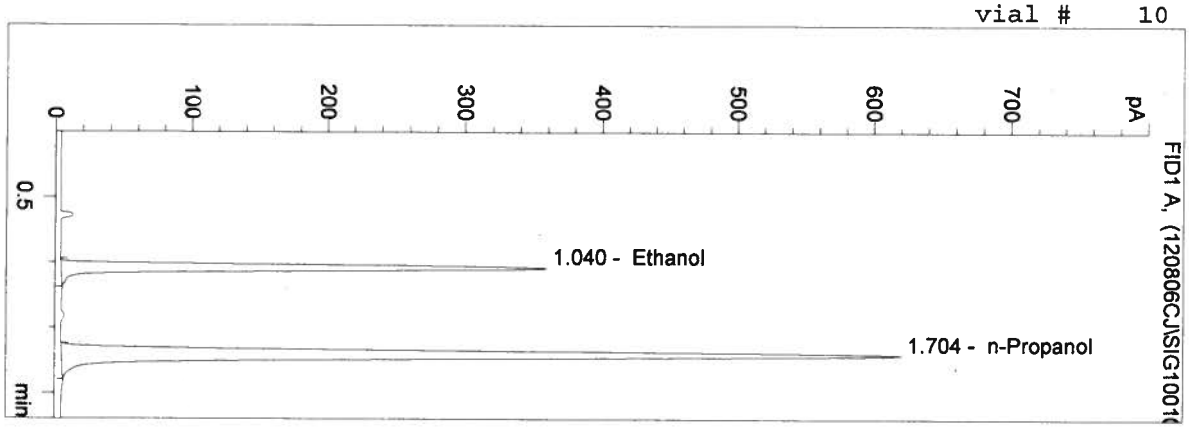
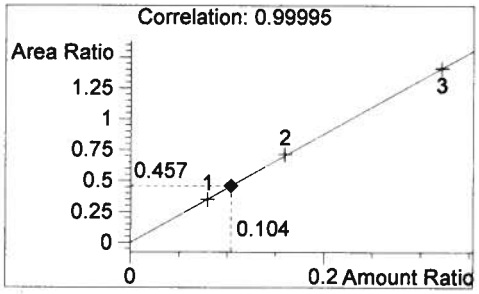
8/6/2012 5:59:06 PM
Instrument 1
DB-ALC1

ESS 12035 #1
Chris Johnston

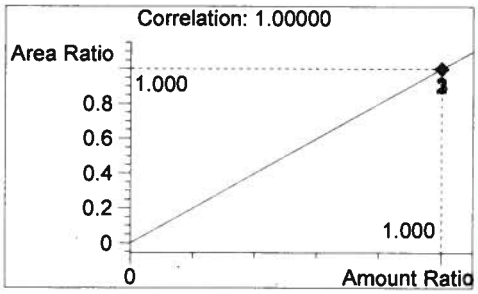
vial # 10



#	Compound	Area	RT
1	Ethanol	1119	1.040
2	n-Propanol	2447	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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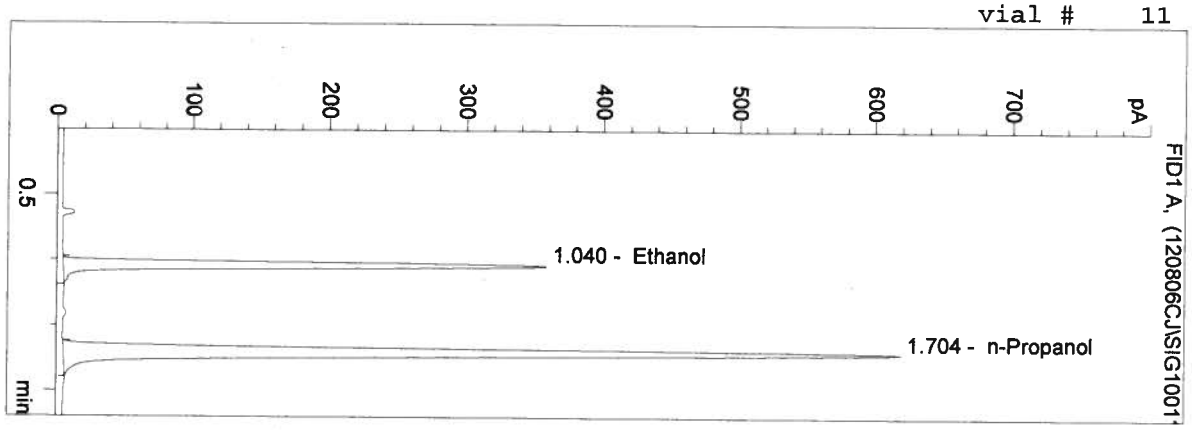
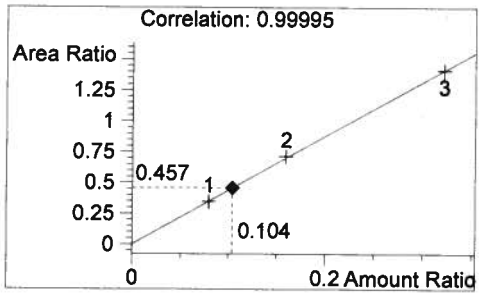
8/6/2012 6:02:11 PM
Instrument 1
DB-ALC1

ESS 12035 #2
Chris Johnston

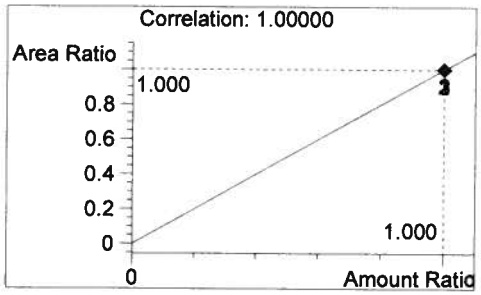
vial # 11



#	Compound	Area	RT
1	Ethanol	1117	1.040
2	n-Propanol	2442	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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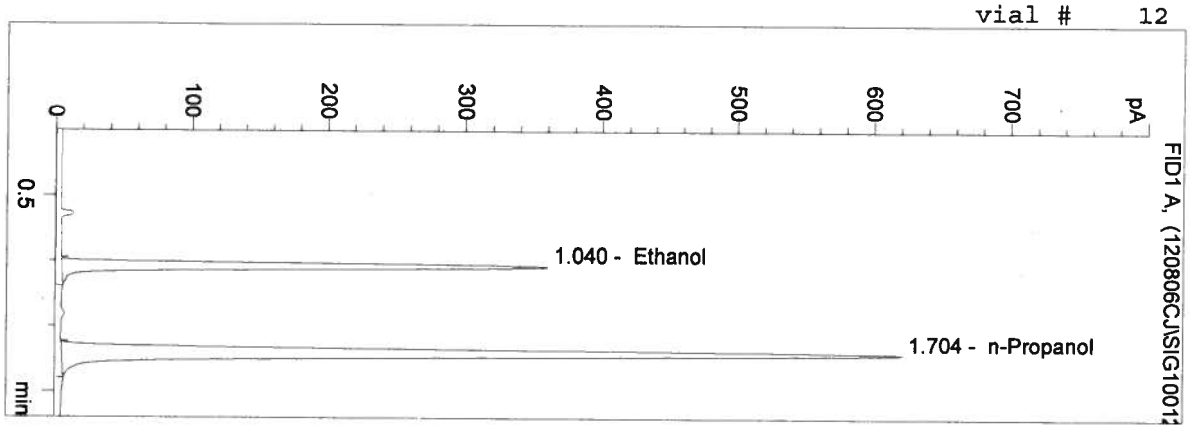
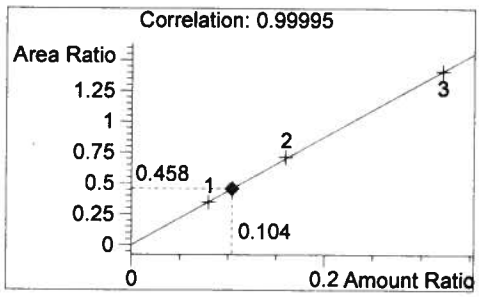
8/6/2012 6:05:16 PM
Instrument 1
DB-ALC1

ESS 12035 #3
Chris Johnston

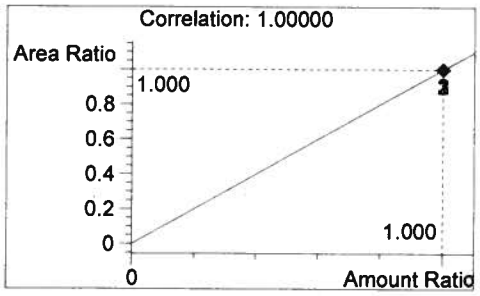
vial # 12



#	Compound	Area	RT
1	Ethanol	1123	1.040
2	n-Propanol	2454	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

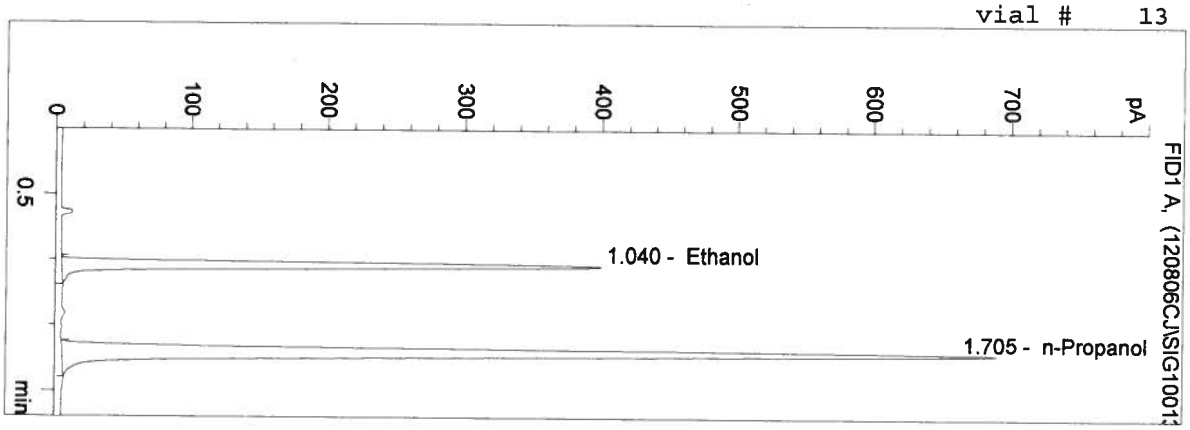
a)

WASHINGTON STATE TOXICOLOGY LABORATORY

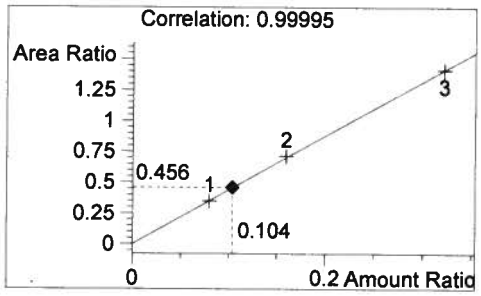
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 6:08:21 PM
Instrument 1
DB-ALC1

ESS 12035 #4
Chris Johnston

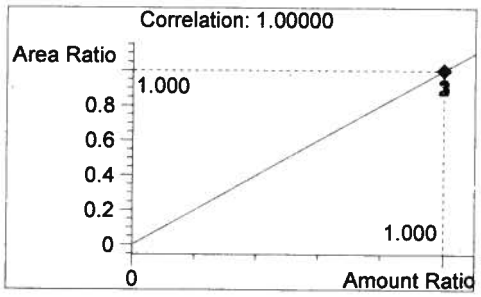
vial # 13



#	Compound	Area	RT
1	Ethanol	1237	1.040
2	n-Propanol	2711	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

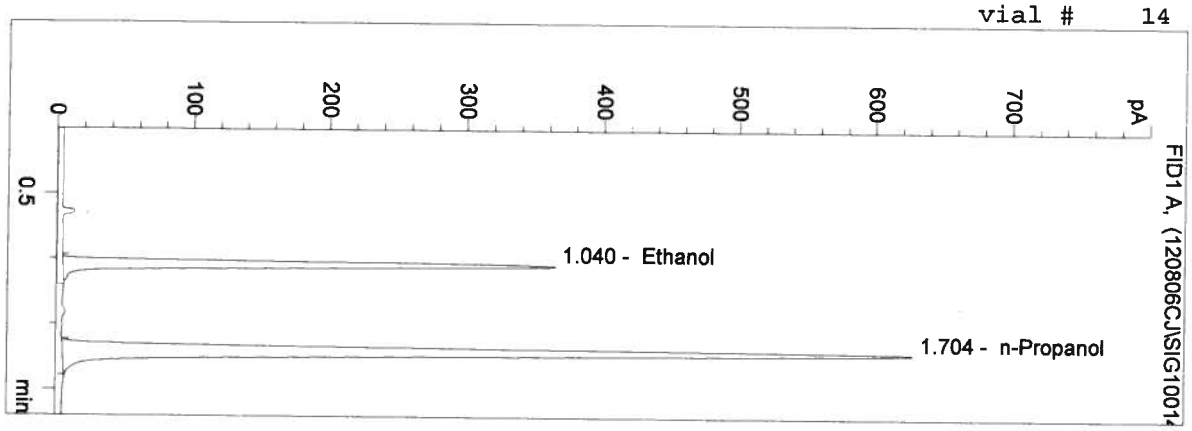
a)

WASHINGTON STATE TOXICOLOGY LABORATORY

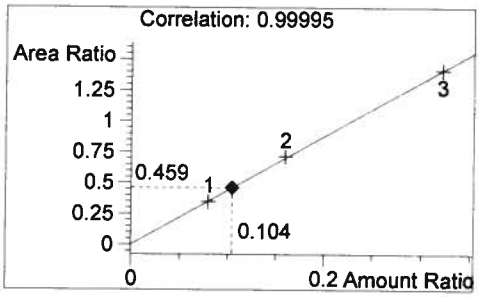
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 6:11:25 PM
Instrument 1
DB-ALC1

ESS 12035 #5
Chris Johnston

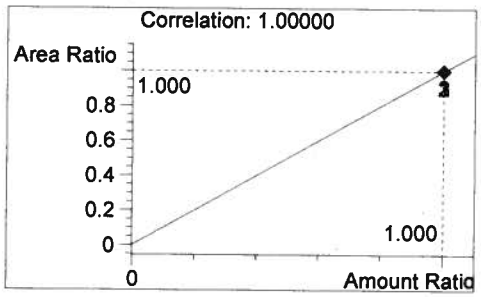
vial # 14



#	Compound	Area	RT
1	Ethanol	1137	1.040
2	n-Propanol	2475	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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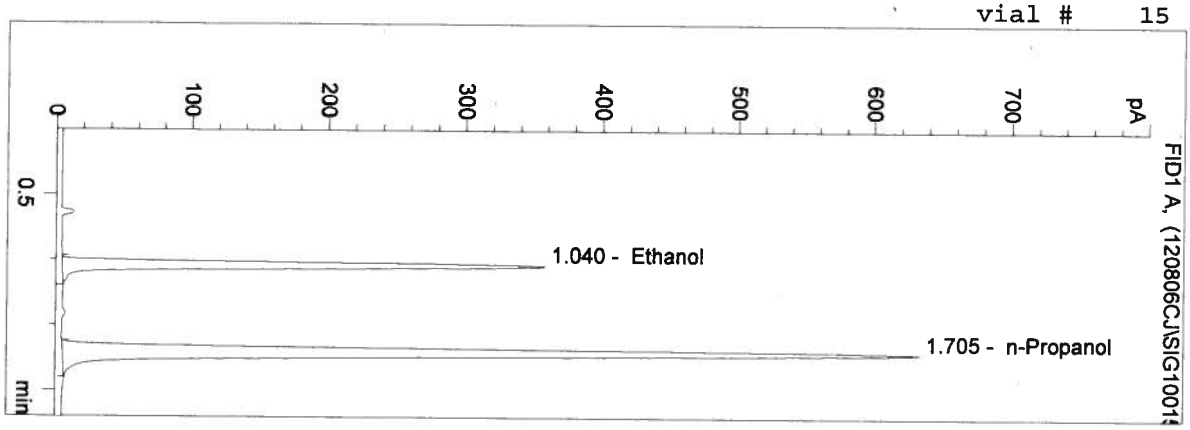
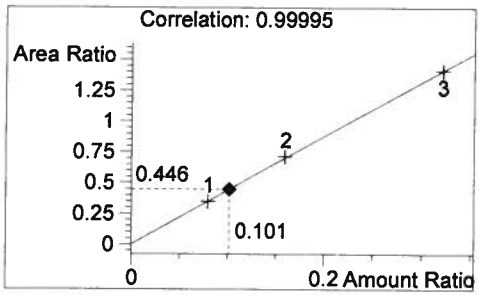
8/6/2012 6:14:30 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

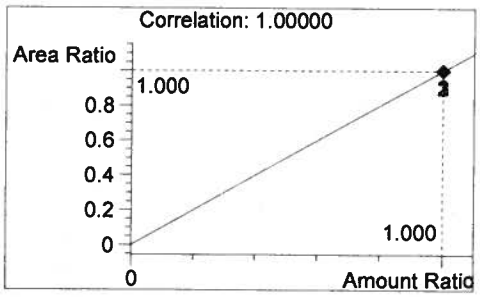
vial # 15



#	Compound	Area	RT
1	Ethanol	1115	1.040
2	n-Propanol	2500	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12035

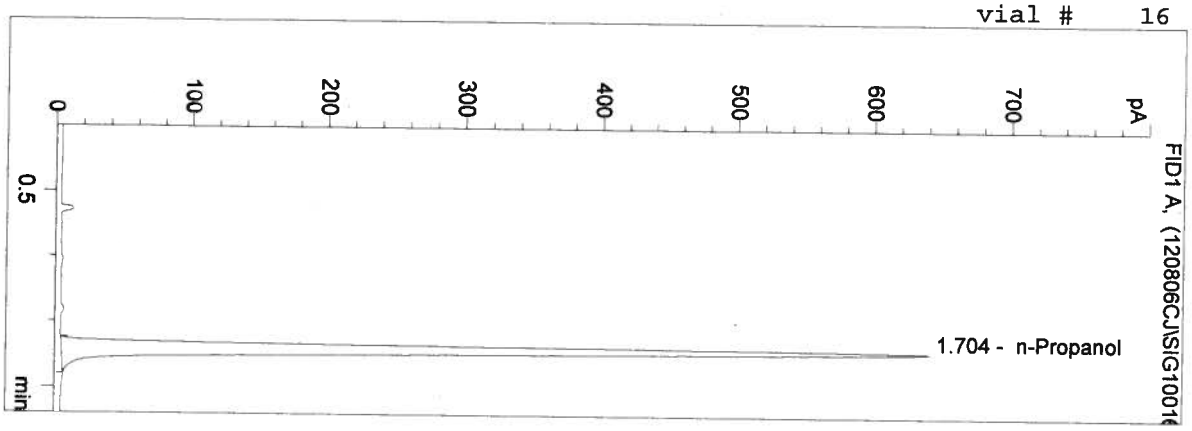
a

WASHINGTON STATE TOXICOLOGY LABORATORY

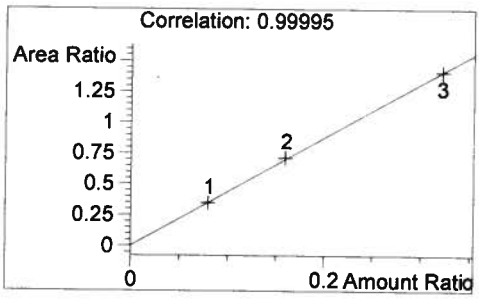
C:\HPCHEM\1\METHODS\SIMALC1.M
8/6/2012 6:17:35 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

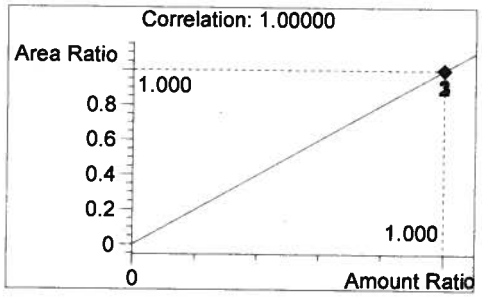
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2531	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120807JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0612-01 - Exp. 09/25/2012
Ethanol Calibrator 2, E0612-02 - Exp. 09/25/2012
Ethanol Calibrator 3, E0612-03 - Exp. 09/25/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A084657 - Exp. 02/2016

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0612-01 - Exp 09/25/2012
3	Vial 3	E0612-02 - Exp 09/25/2012
4	Vial 4	E0612-03 - Exp 09/25/2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

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JK

Sequence: C:\HPCHEM\1\SEQUENCE\JKEXTSTD.S

Line	Location	Sample Information
15	Vial 15	
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC1	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC1	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL JK	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL JK	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
10	Vial 10	12035-1	SIMALC1	1	Sample		
11	Vial 11	12035-2	SIMALC1	1	Sample		
12	Vial 12	12035-3	SIMALC1	1	Sample		
13	Vial 13	12035-4	SIMALC1	1	Sample		
14	Vial 14	12035-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC1	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC1	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12035

Method C:\HPCHEM\1\METHODS\SIMALC1.M

Calibration Table

Calib. Data Modified : Tuesday, August 07, 2012 2:03:22 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.97000e-2	864.93219	9.21460e-5	1		Ethanol
		2	1.59870e-1	1728.65894	9.24821e-5			
		3	3.21590e-1	3511.17383	9.15905e-5			
1.706	1	1	1.00000	2407.85205	4.15308e-4	I1		n-Propanol
		2	1.00000	2413.04810	4.14414e-4			
		3	1.00000	2446.11816	4.08811e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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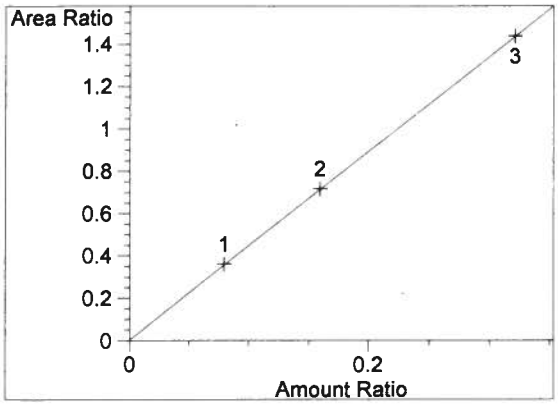
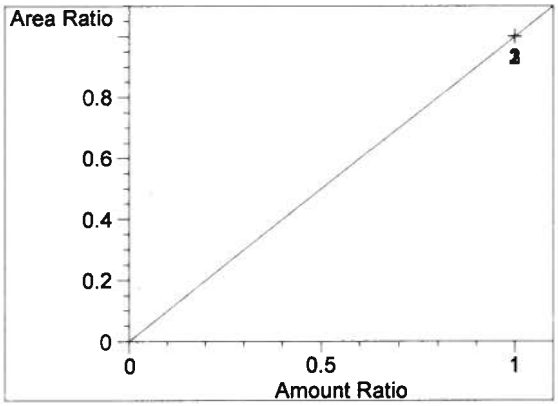


Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00220
Formula: y = mx + b
m: 4.46072
b: 1.95570e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.706
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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Instrument 1
DB-ALC1

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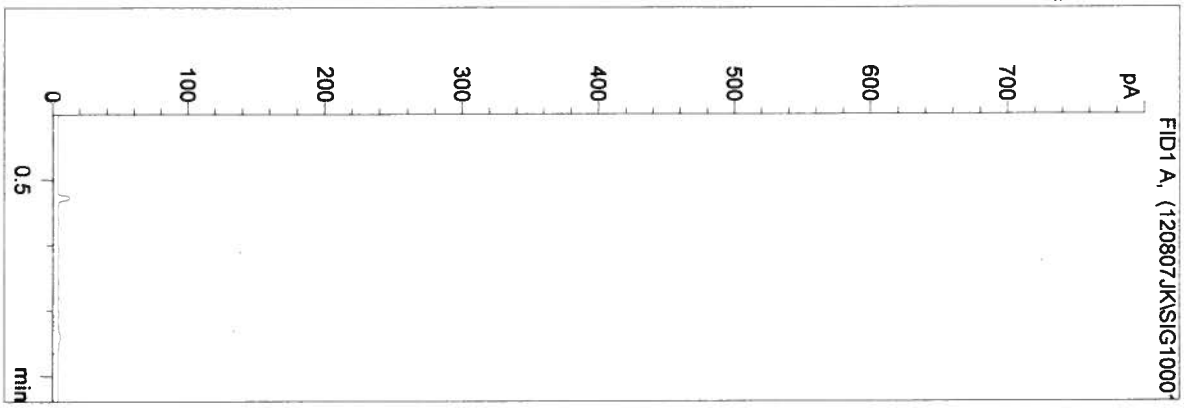
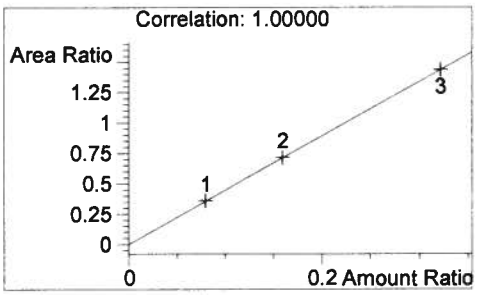
Justin Knoy

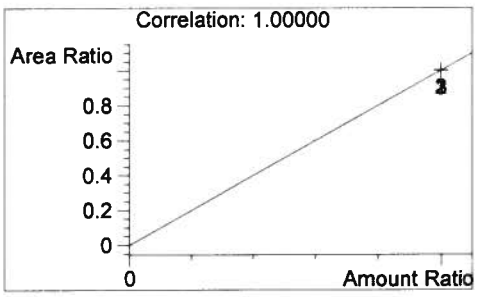
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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Instrument 1
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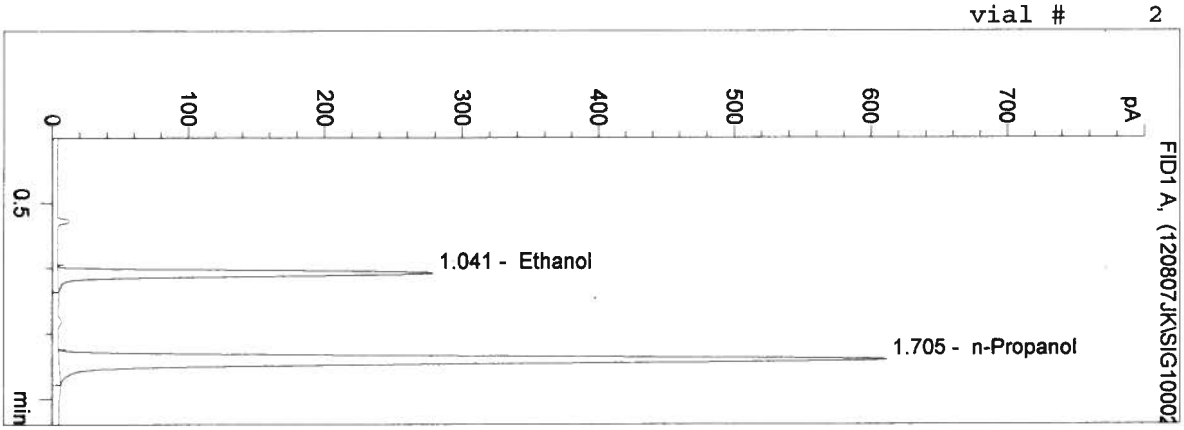
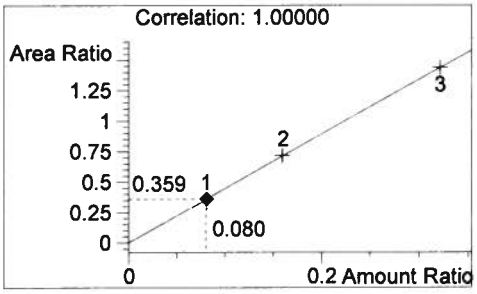
CAL1 0.079
Justin Knoy

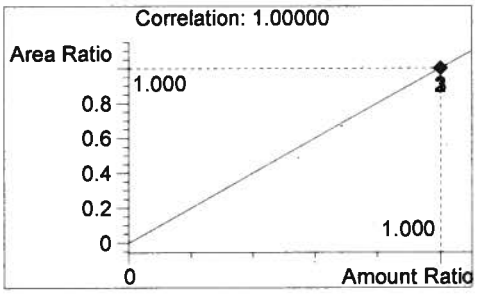
vial # 2



#	Compound	Area	RT
1	Ethanol	865	1.041
2	n-Propanol	2408	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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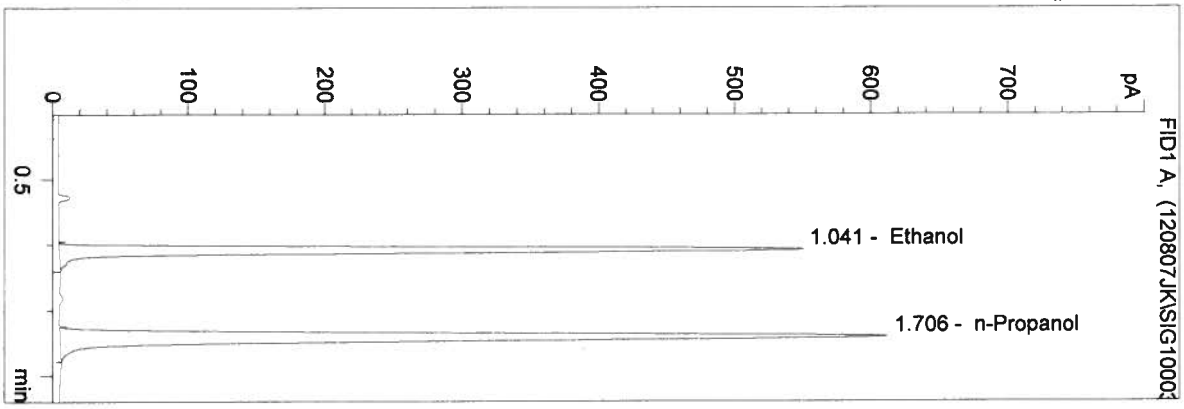
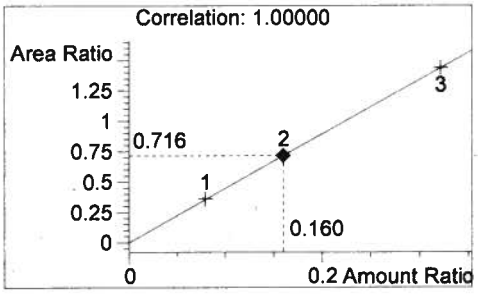
CAL2 0.158
Justin Knoy

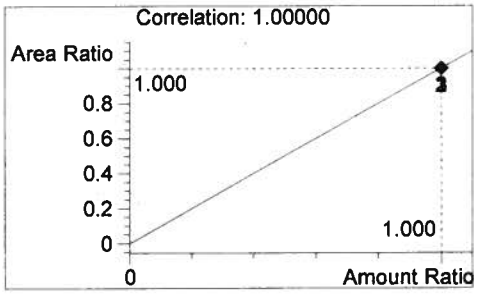
vial # 3



#	Compound	Area	RT
1	Ethanol	1729	1.041
2	n-Propanol	2413	1.706
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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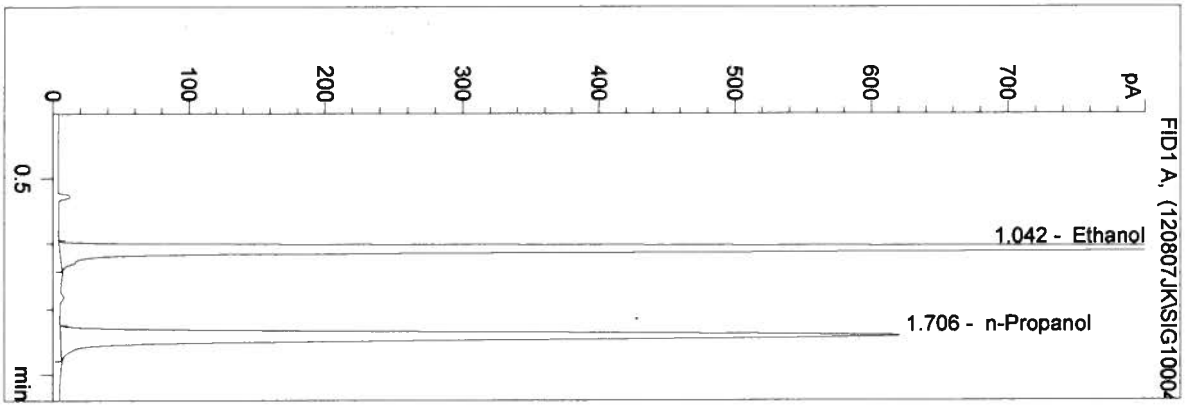
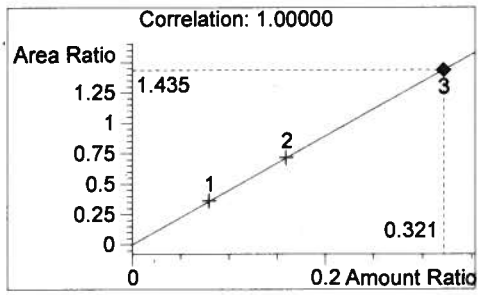
CAL3 0.316
Justin Knoy

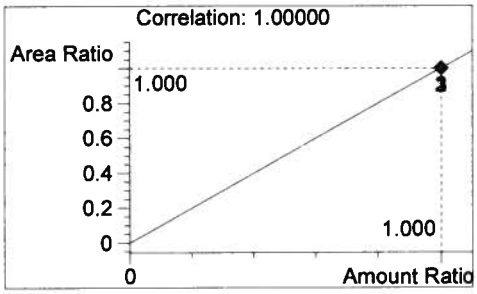
vial # 4



#	Compound	Area	RT
1	Ethanol	3511	1.042
2	n-Propanol	2446	1.706
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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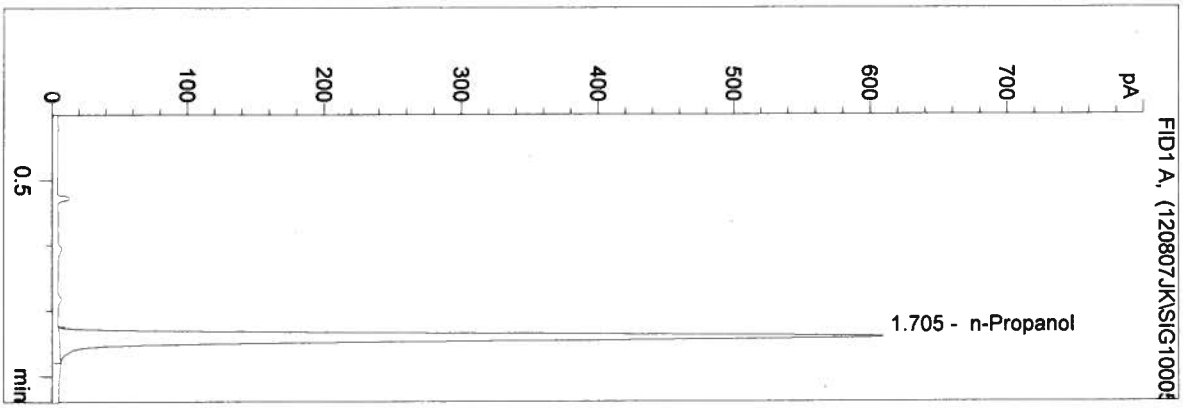
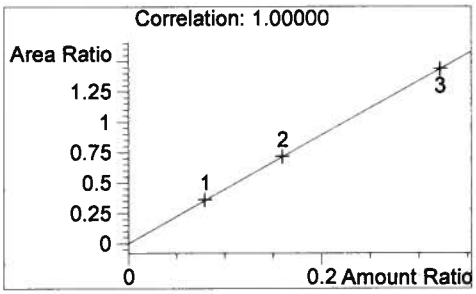
NEG CTRL JK
Justin Knoy

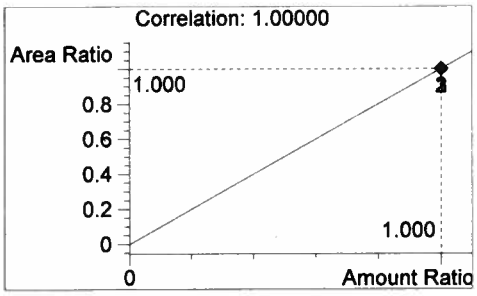
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2403	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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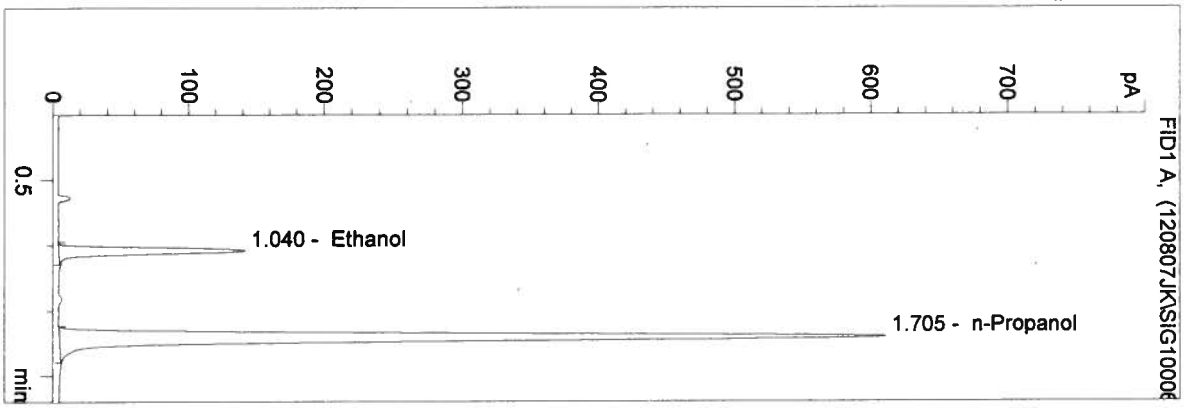
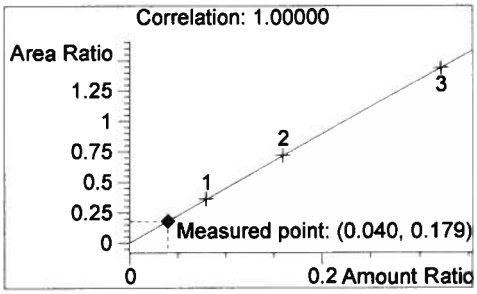
0.04 CTRL JK
Justin Knoy

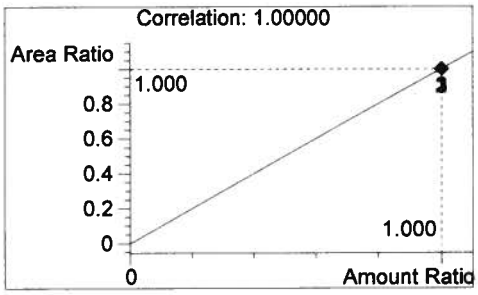
vial # 6



#	Compound	Area	RT
1	Ethanol	431	1.040
2	n-Propanol	2408	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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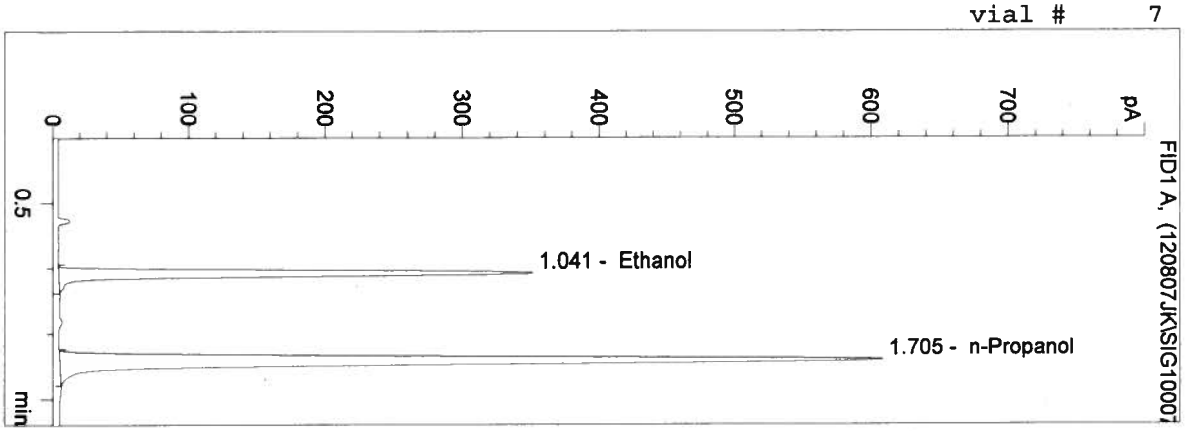
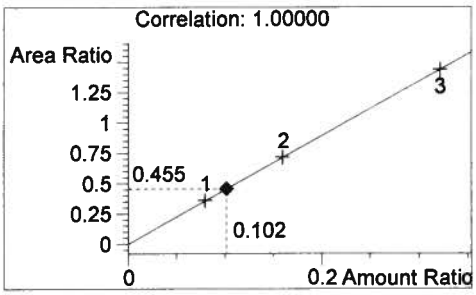
0.10 CTRL JK
Justin Knoy

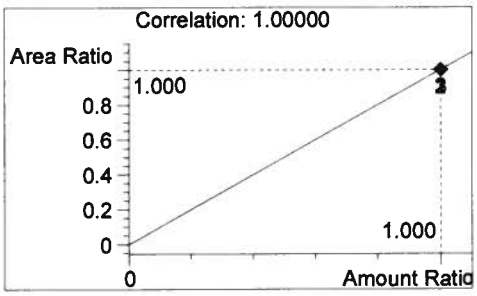
vial # 7



#	Compound	Area	RT
1	Ethanol	1093	1.041
2	n-Propanol	2403	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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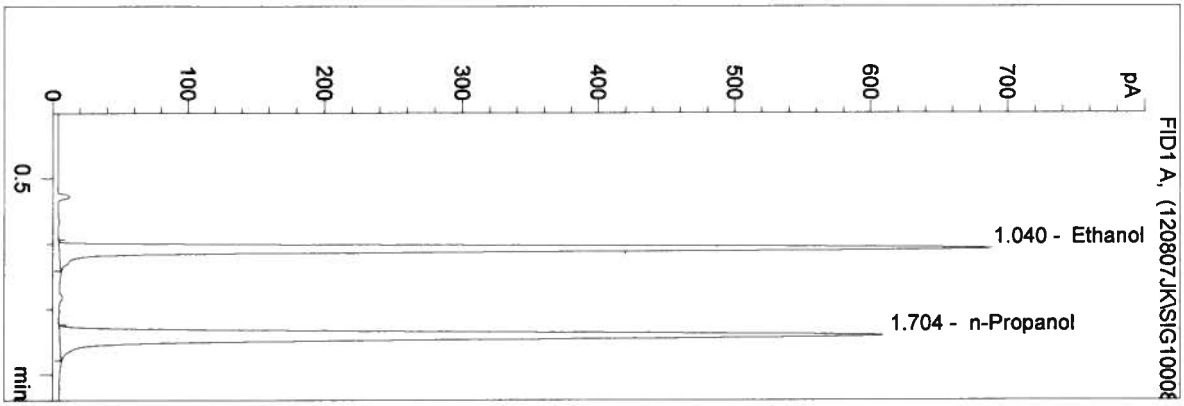
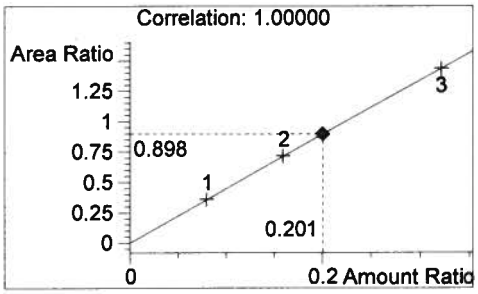
0.20 CTRL JK
Justin Knoy

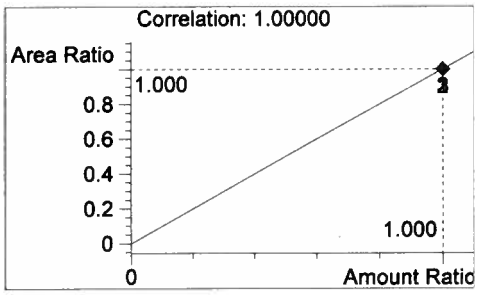
vial # 8



#	Compound	Area	RT
1	Ethanol	2149	1.040
2	n-Propanol	2394	1.704
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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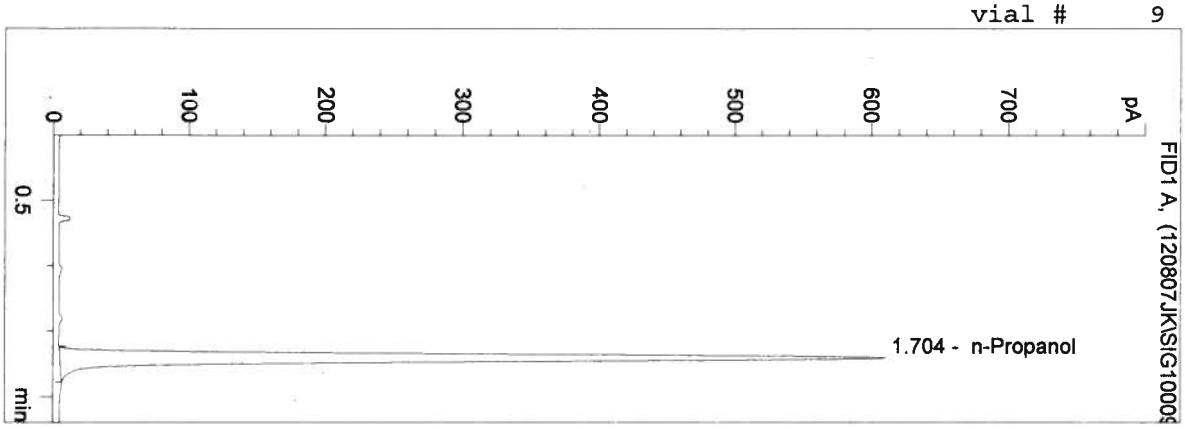
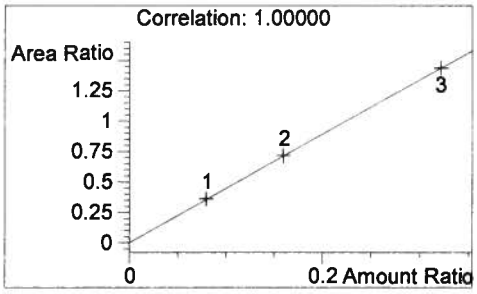
NEG CTRL JK
Justin Knoy

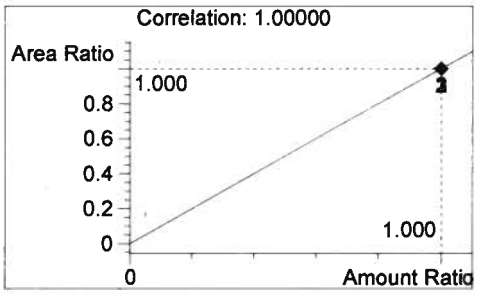
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2405	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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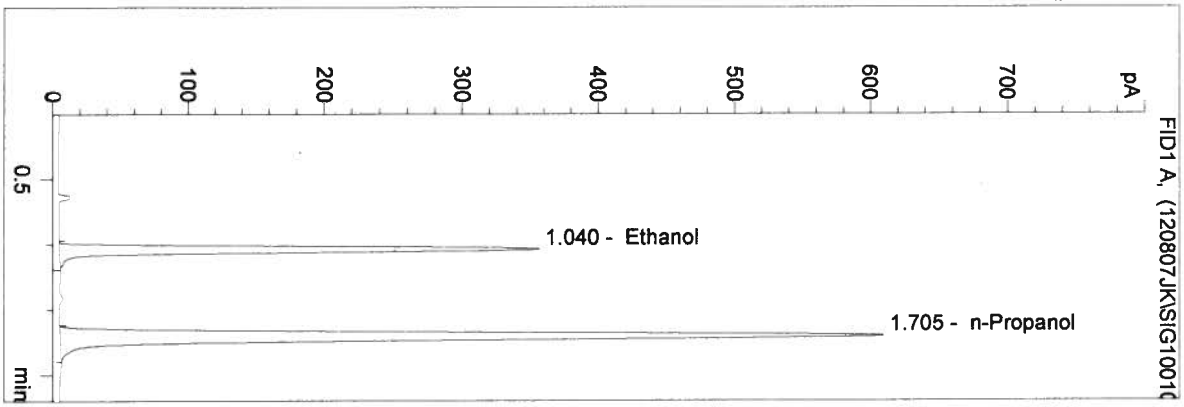
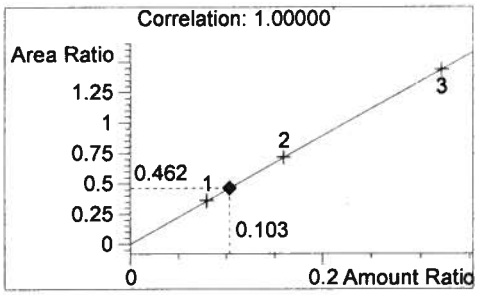
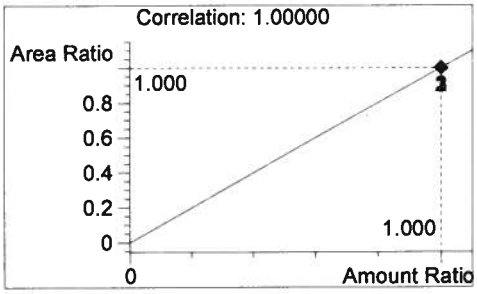
vial # 10



#	Compound	Area	RT
1	Ethanol	1109	1.040
2	n-Propanol	2402	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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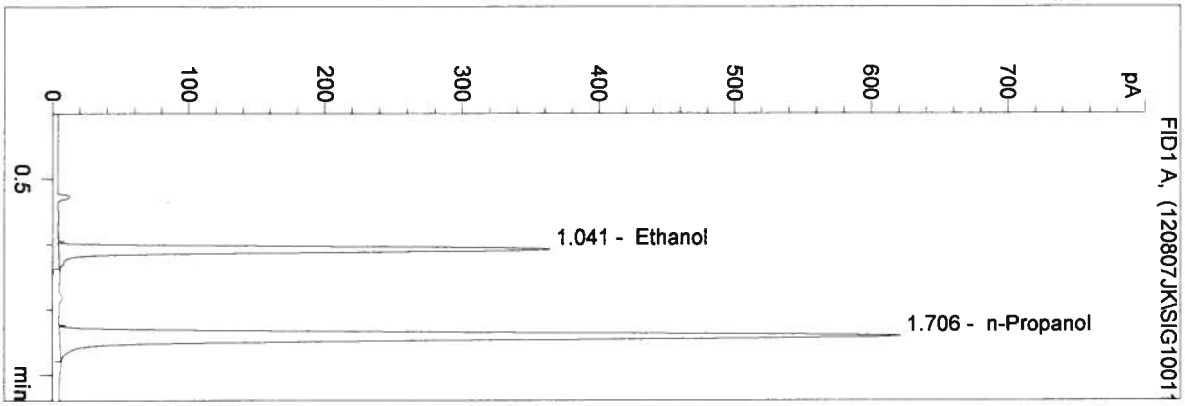
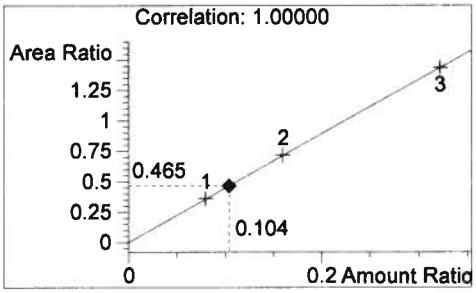
Instrument 1
DB-ALC1

12035-2
Justin Knoy

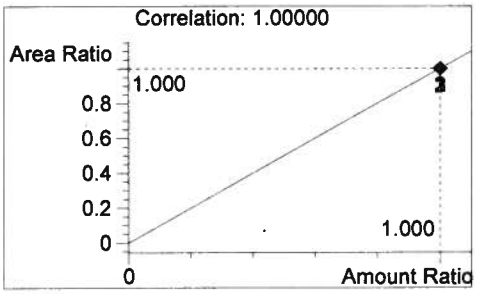
vial # 11



#	Compound	Area	RT
1	Ethanol	1138	1.041
2	n-Propanol	2444	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
DB-ALC1

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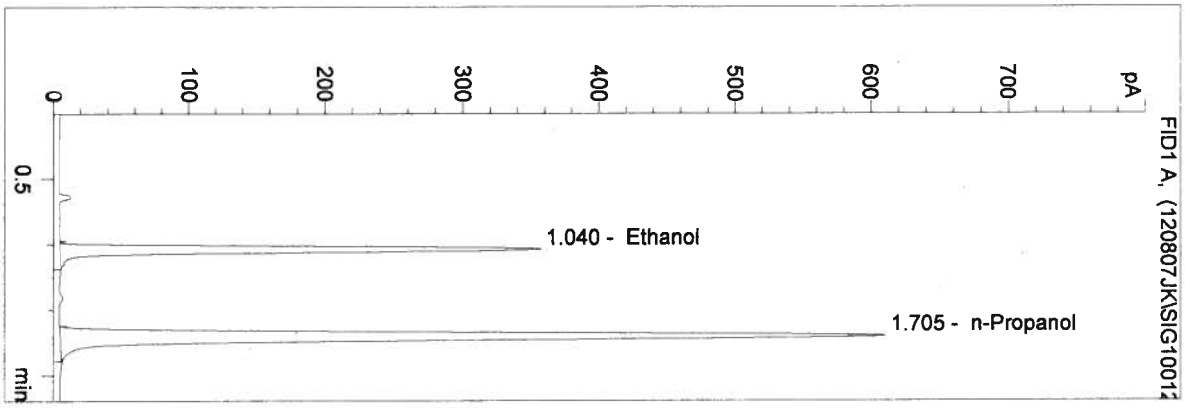
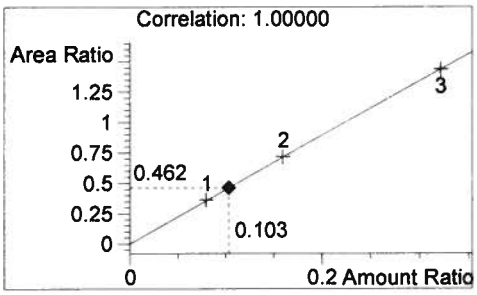
Justin Knoy

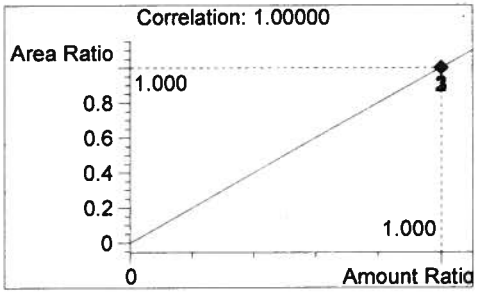
vial # 12



#	Compound	Area	RT
1	Ethanol	1110	1.040
2	n-Propanol	2404	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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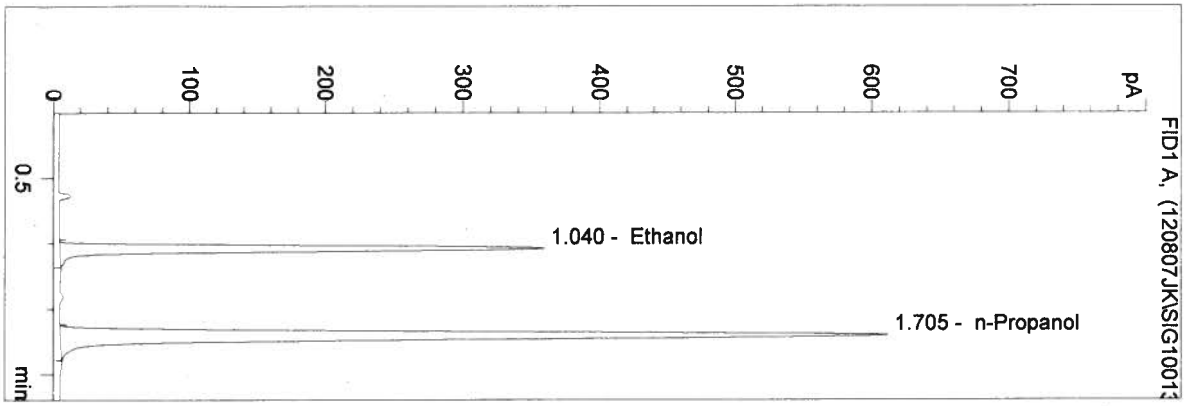
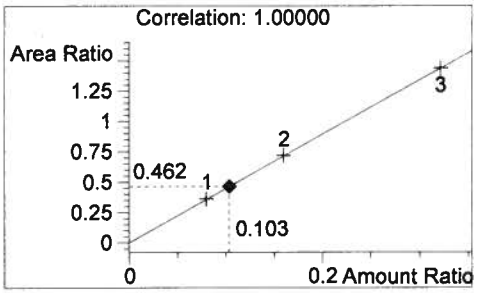
Instrument 1
DB-ALC1

12035-4
Justin Knoy

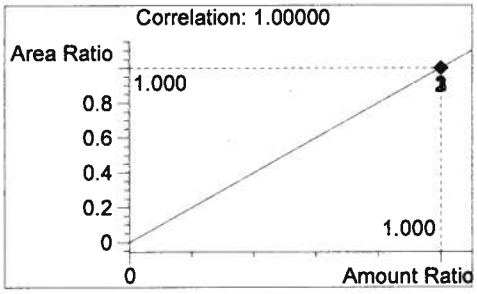
vial # 13



#	Compound	Area	RT
1	Ethanol	1115	1.040
2	n-Propanol	2411	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
DB-ALC1

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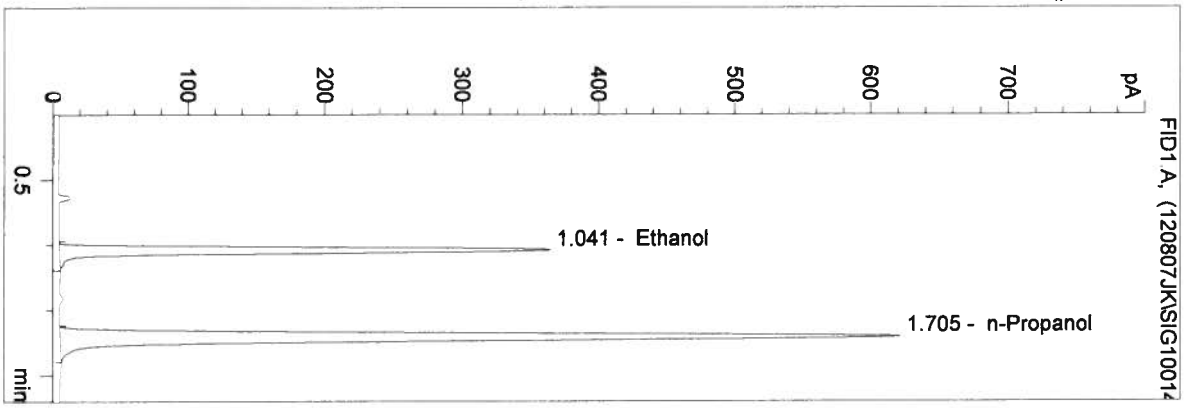
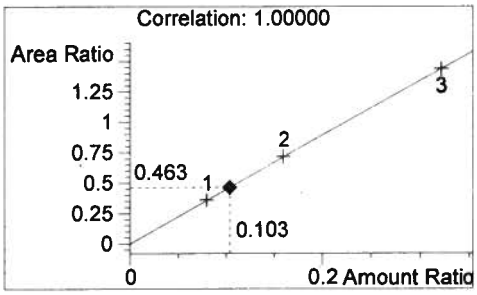
Justin Knoy

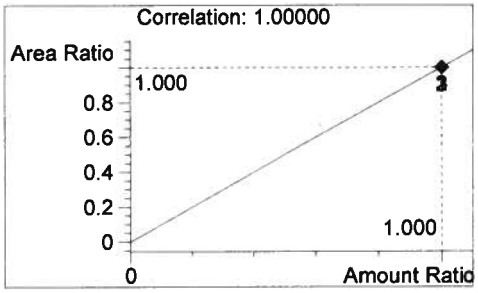
vial # 14



#	Compound	Area	RT
1	Ethanol	1134	1.041
2	n-Propanol	2448	1.705
Tot			



Ethanol 0.103 g/100 mL



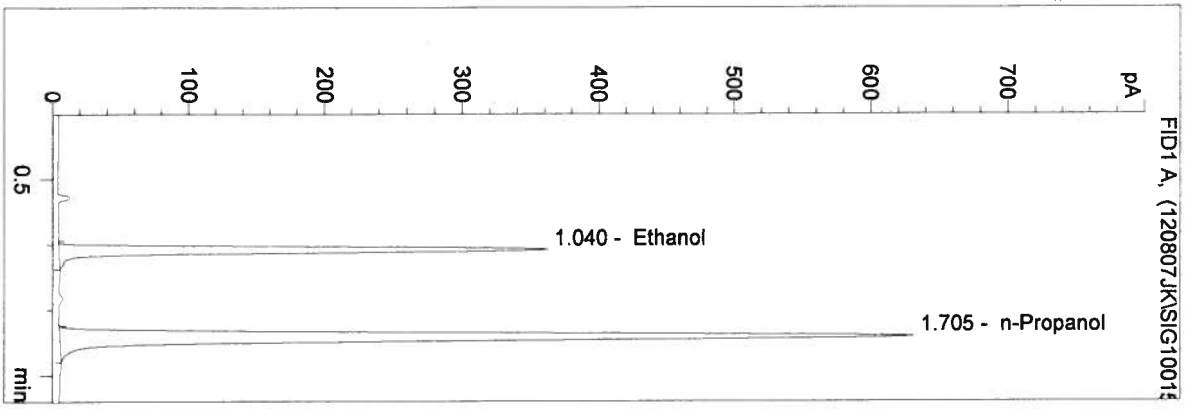
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

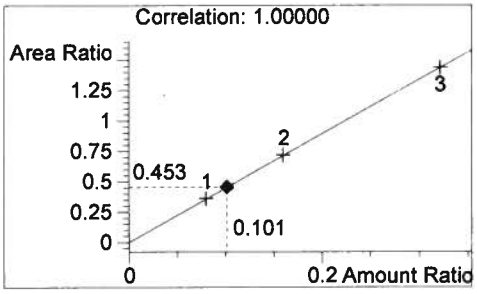
C:\HPCHEM\1\METHODS\SIMALC1.M
8/7/2012 2:35:02 PM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

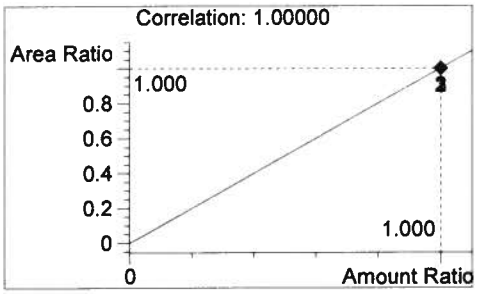
vial # 15



#	Compound	Area	RT
1	Ethanol	1128	1.040
2	n-Propanol	2488	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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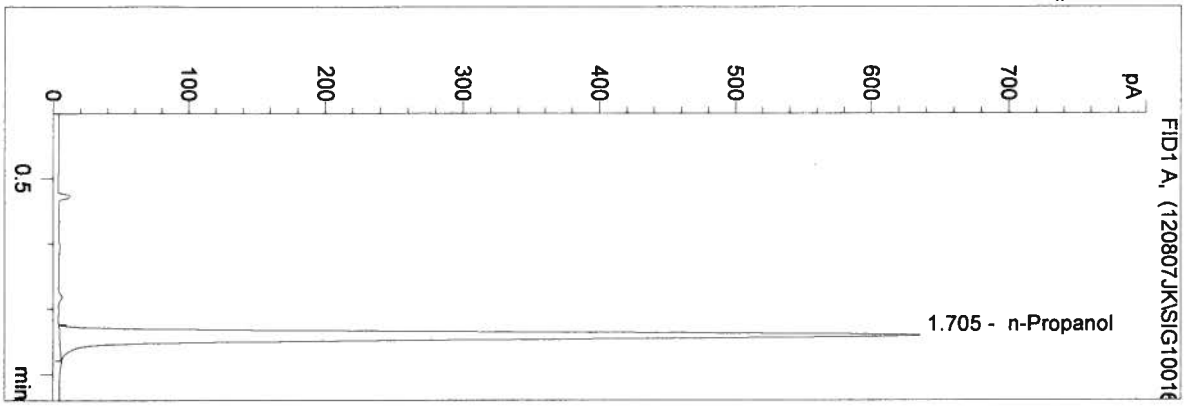
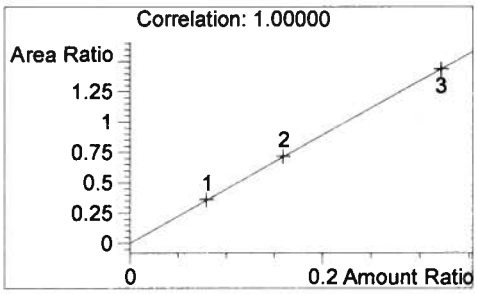
8/7/2012 2:38:07 PM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

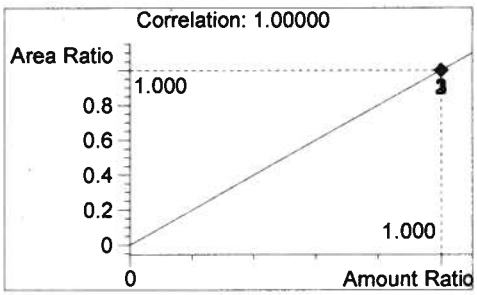
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2511	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120809LN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot#A077459 - exp 02/2015
0.10 Control - Lot#A083355 - exp 12/2015
0.20 Control - Lot#A084657 - exp 02/2016
0.079 Calibrator Lot#E0612-01 - exp 09/25/2012
0.158 Calibrator Lot#E0612-02 - exp 09/25/2012
0.316 Calibrator Lot#E0612-03 - exp 09/25/2012

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	0.079 Calibrator Lot#E0612-01 - exp 09/25/2012
3	Vial 3	0.158 Calibrator Lot#E0612-02 - exp 09/25/2012
4	Vial 4	0.316 Calibrator Lot#E0612-03 - exp 09/25/2012
5	Vial 5	
6	Vial 6	0.04 Control - Lot#A077459 - exp 02/2015
7	Vial 7	0.10 Control - Lot#A083355 - exp 12/2015
8	Vial 8	0.20 Control - Lot#A084657 - exp 02/2016
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	0.10 Control - Lot#A083355 - exp 12/2015

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16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - LN	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - LN	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - LN	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		
10	Vial 10	12035 #1	SIMALC1	1	Sample		
11	Vial 11	12035 #2	SIMALC1	1	Sample		
12	Vial 12	12035 #3	SIMALC1	1	Sample		
13	Vial 13	12035 #4	SIMALC1	1	Sample		
14	Vial 14	12035 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - LN	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

fn

12035

Calibration Table

Calib. Data Modified : Thursday, August 09, 2012 9:21:28 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	872.29449	9.13682e-5	1		Ethanol
		2	1.59870e-1	1755.06494	9.10906e-5			
		3	3.21590e-1	3478.94678	9.24389e-5			
1.705	1	1	1.00000	2458.22559	4.06797e-4	I1		n-Propanol
		2	1.00000	2468.56519	4.05094e-4			
		3	1.00000	2458.53320	4.06747e-4			

Peak Sum Table

No Entries in table

12035

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Calibration Curves

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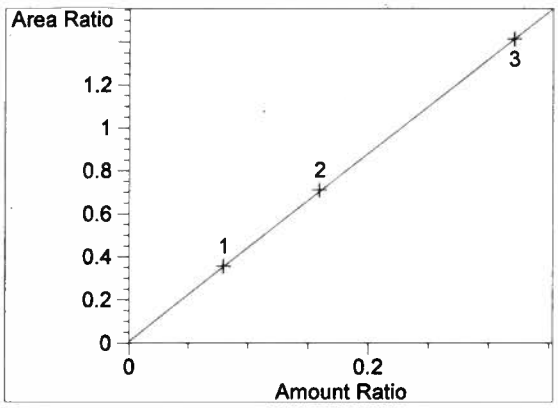
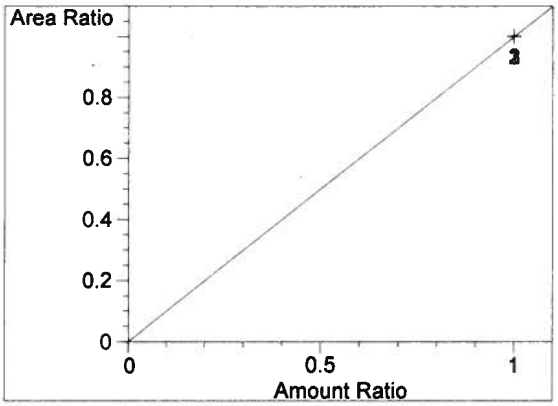


Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00444
Formula: y = mx + b
m: 4.39832
b: 3.17549e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.705
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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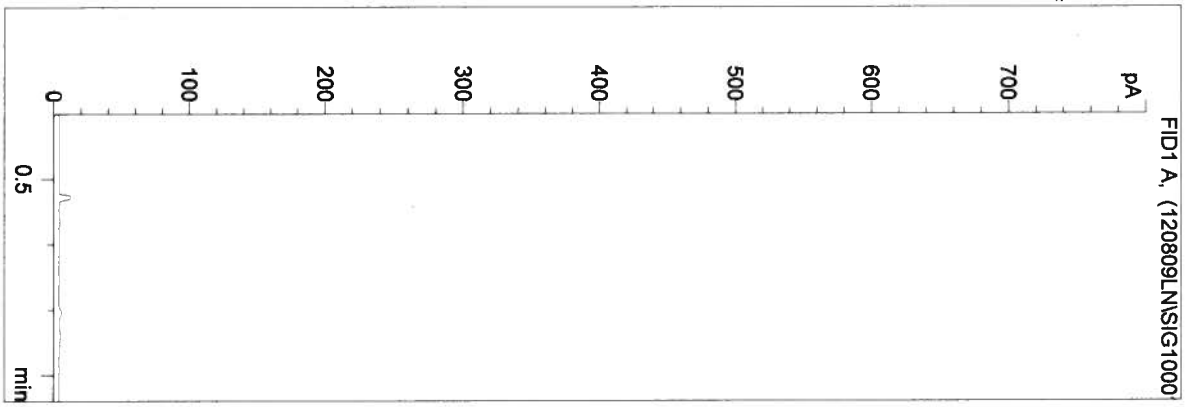
WASHINGTON STATE TOXICOLOGY LABORATORY

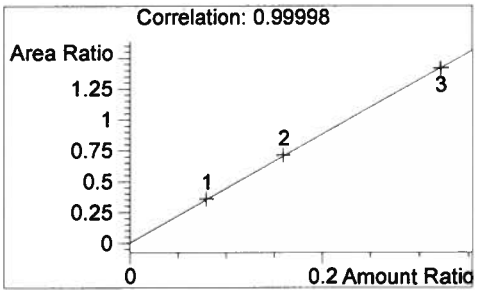
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:10:01 AM
Instrument 1
DB-ALC1

BLANK
Lisa Noble

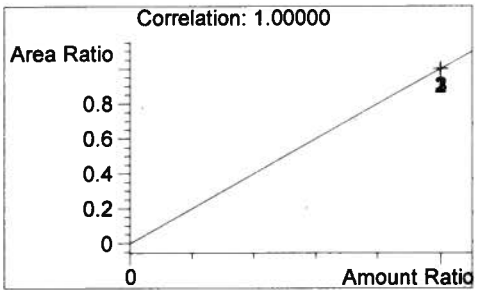
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

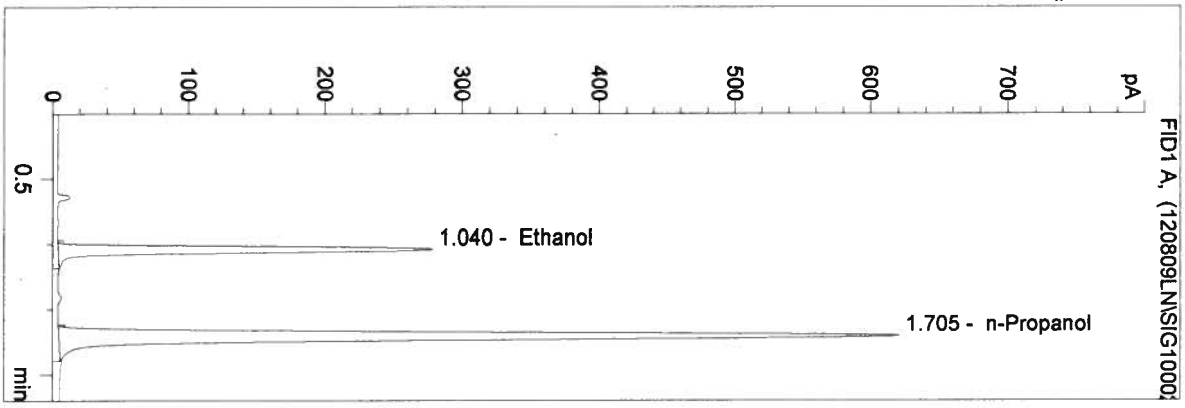
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

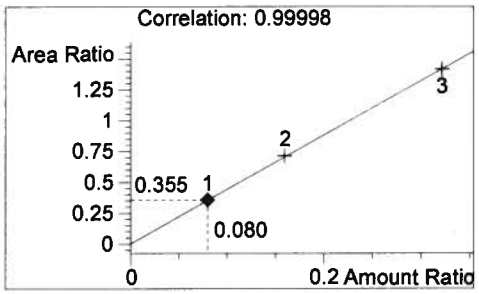
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:13:05 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Lisa Noble

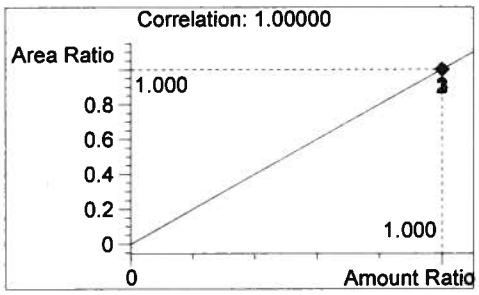
vial # 2



#	Compound	Area	RT
1	Ethanol	872	1.040
2	n-Propanol	2458	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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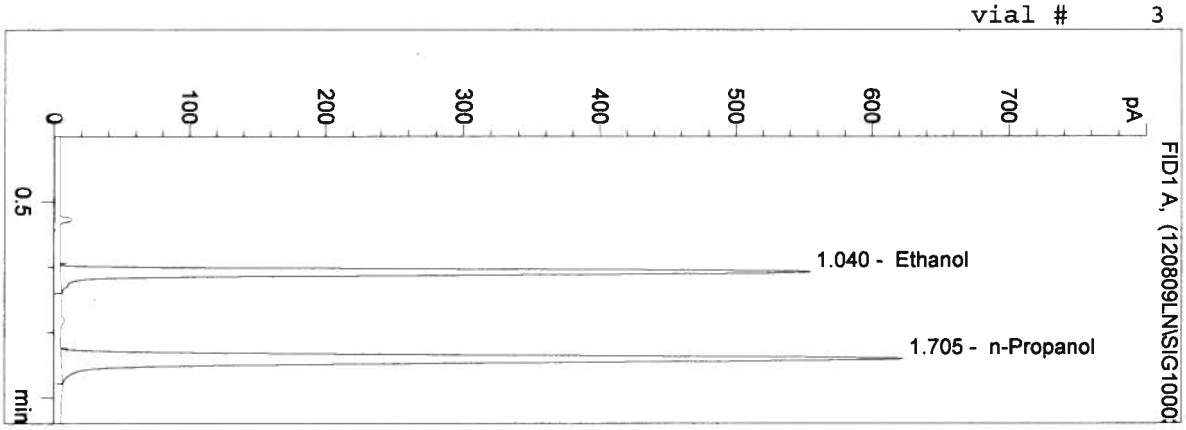
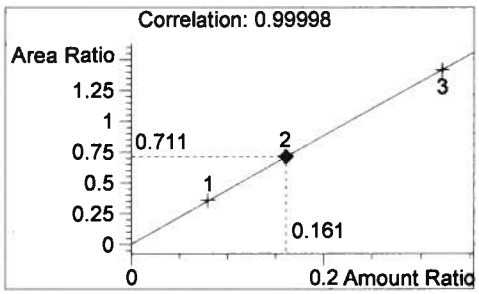
8/9/2012 9:16:10 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Lisa Noble

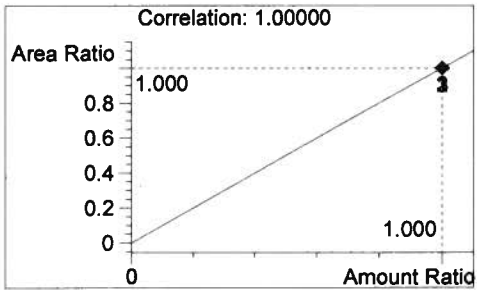
vial # 3



#	Compound	Area	RT
1	Ethanol	1755	1.040
2	n-Propanol	2469	1.705
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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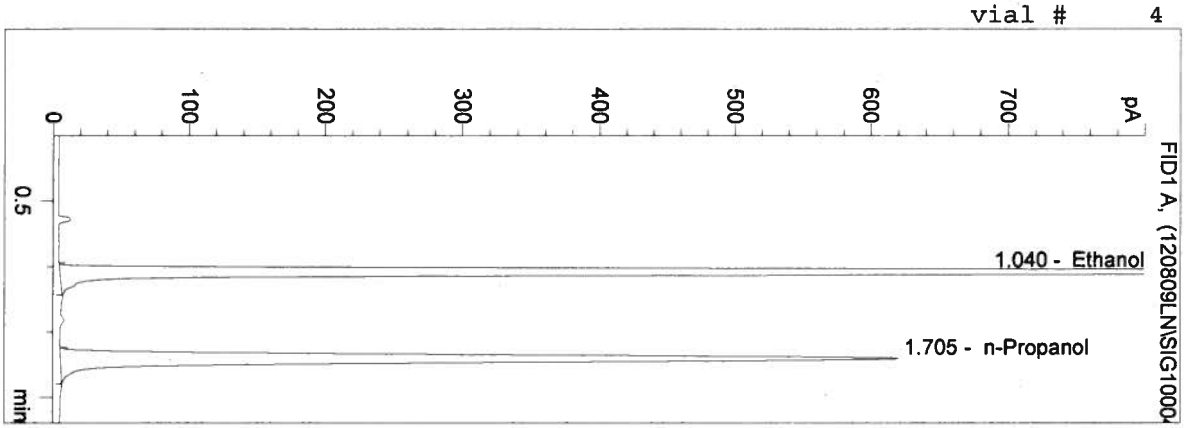
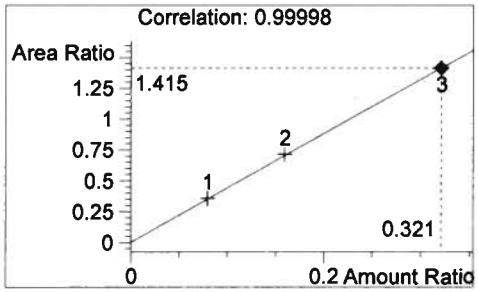
8/9/2012 9:19:15 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Lisa Noble

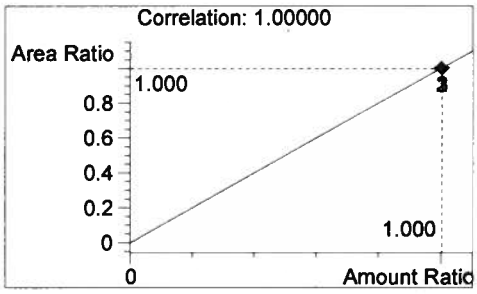
vial # 4



#	Compound	Area	RT
1	Ethanol	3479	1.040
2	n-Propanol	2459	1.705
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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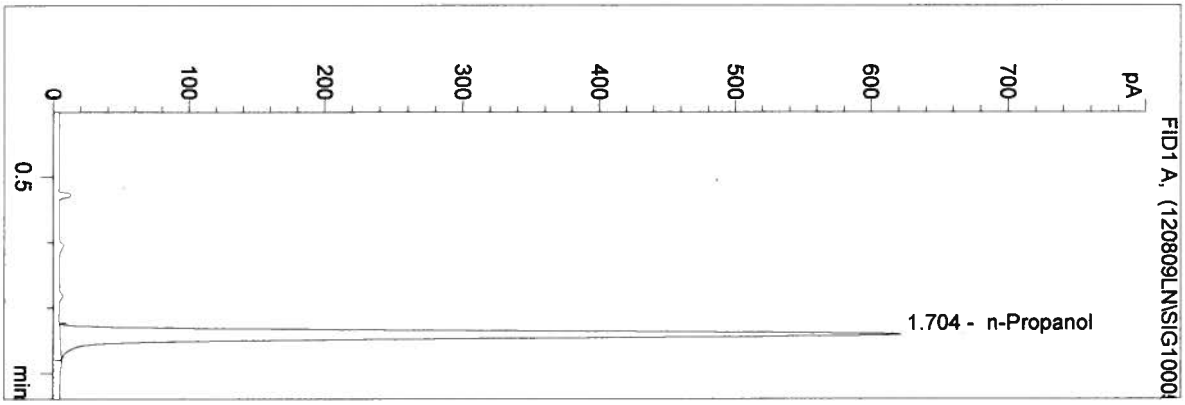
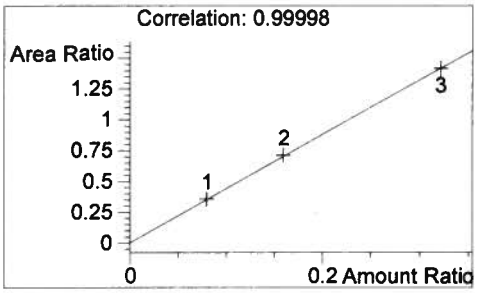
8/9/2012 9:22:20 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

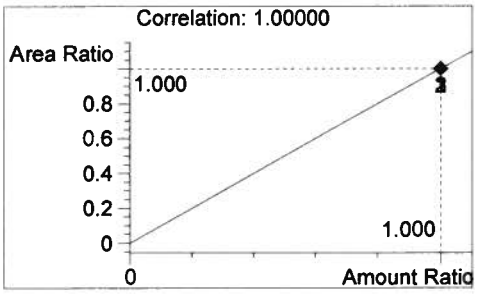
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2465	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

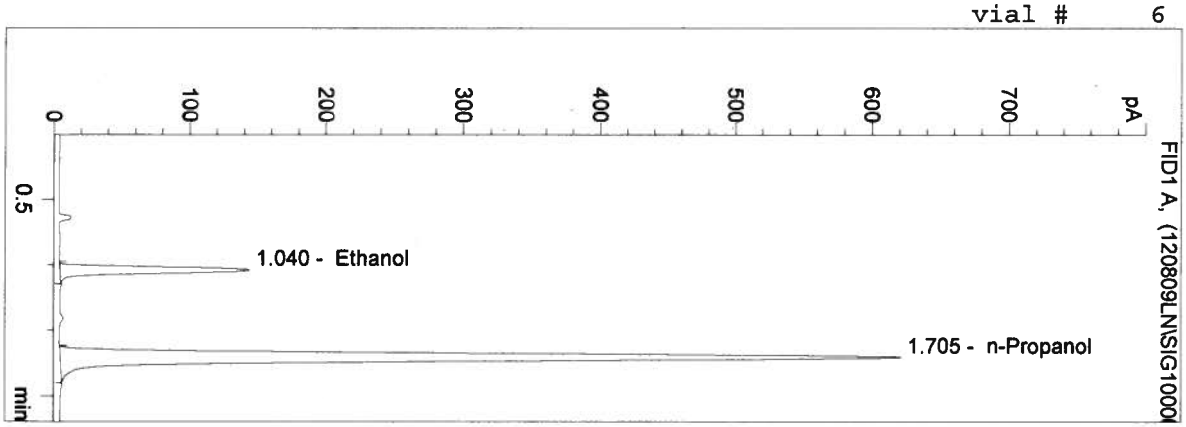
2035

WASHINGTON STATE TOXICOLOGY LABORATORY

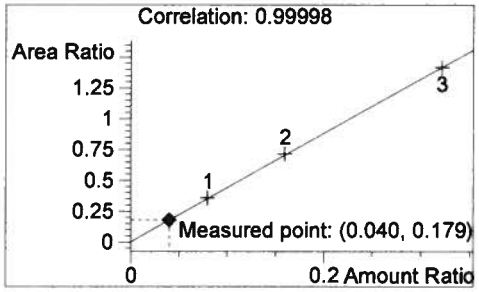
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:25:24 AM
Instrument 1
DB-ALC1

0.04 CTRL - LN
Lisa Noble

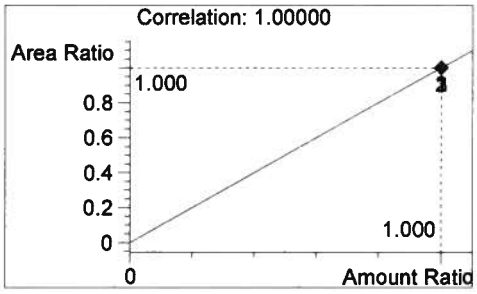
vial # 6



#	Compound	Area	RT
1	Ethanol	443	1.040
2	n-Propanol	2468	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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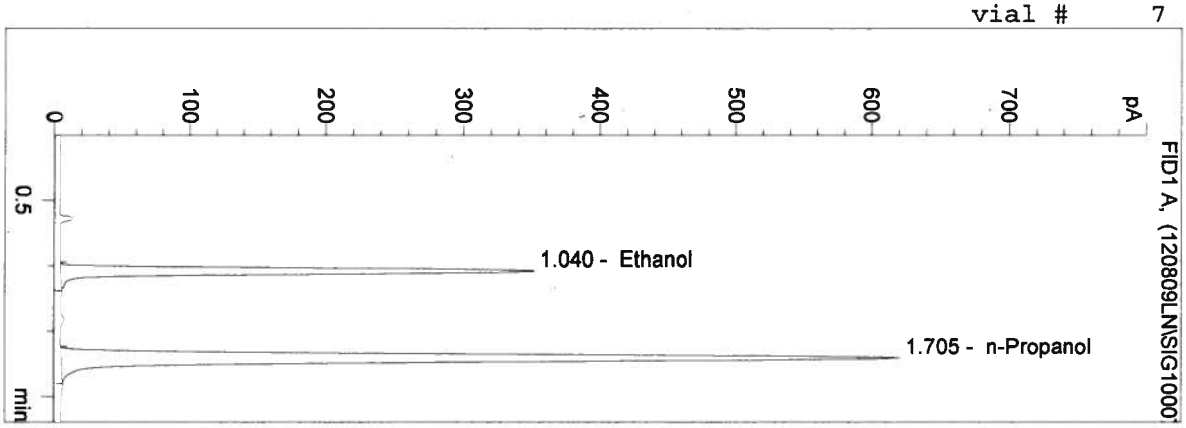
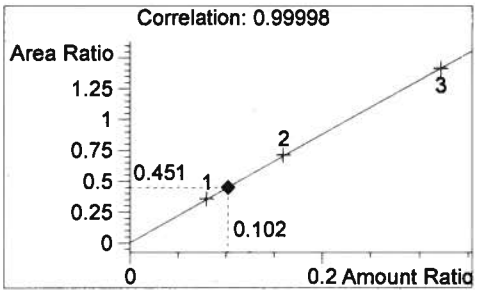
8/9/2012 9:28:29 AM
Instrument 1
DB-ALC1

0.10 CTRL - LN
Lisa Noble

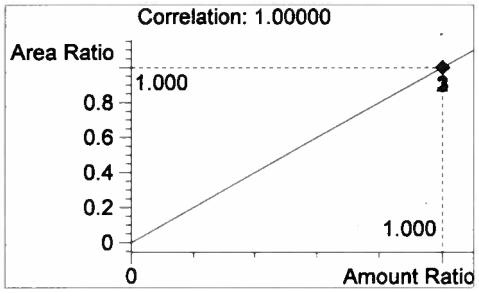
vial # 7



#	Compound	Area	RT
1	Ethanol	1111	1.040
2	n-Propanol	2464	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

fn

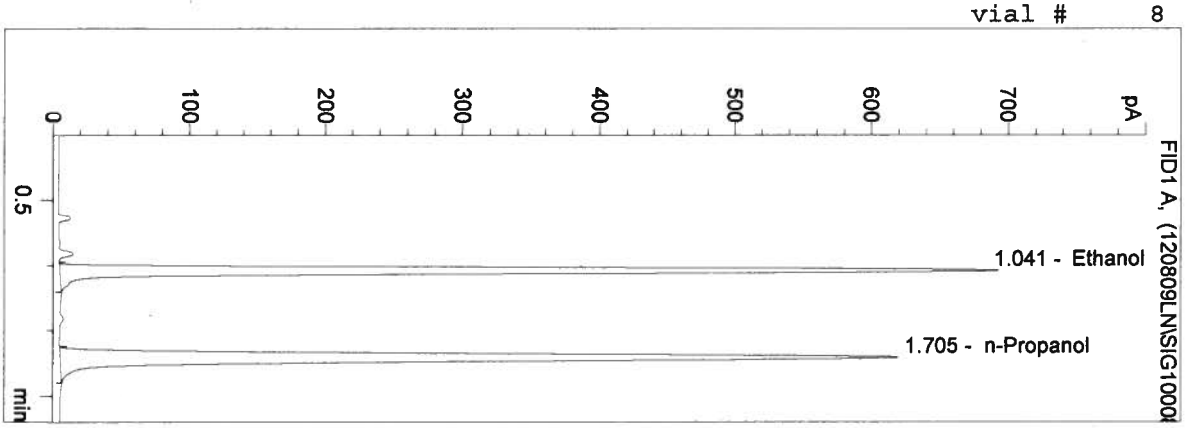
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

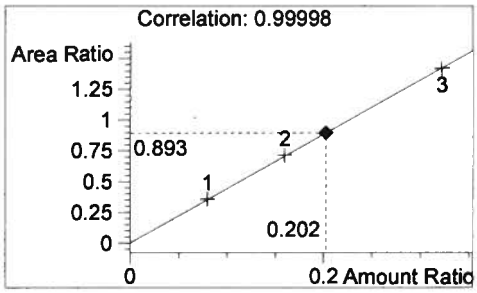
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:31:34 AM
Instrument 1
DB-ALC1

0.20 CTRL - LN
Lisa Noble

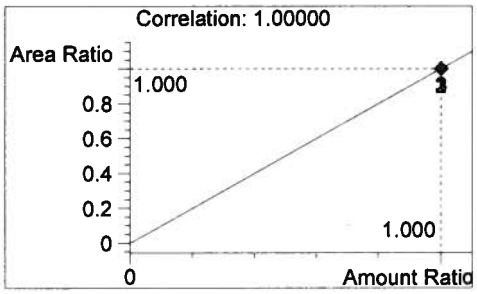
vial # 8



#	Compound	Area	RT
1	Ethanol	2201	1.041
2	n-Propanol	2464	1.705
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

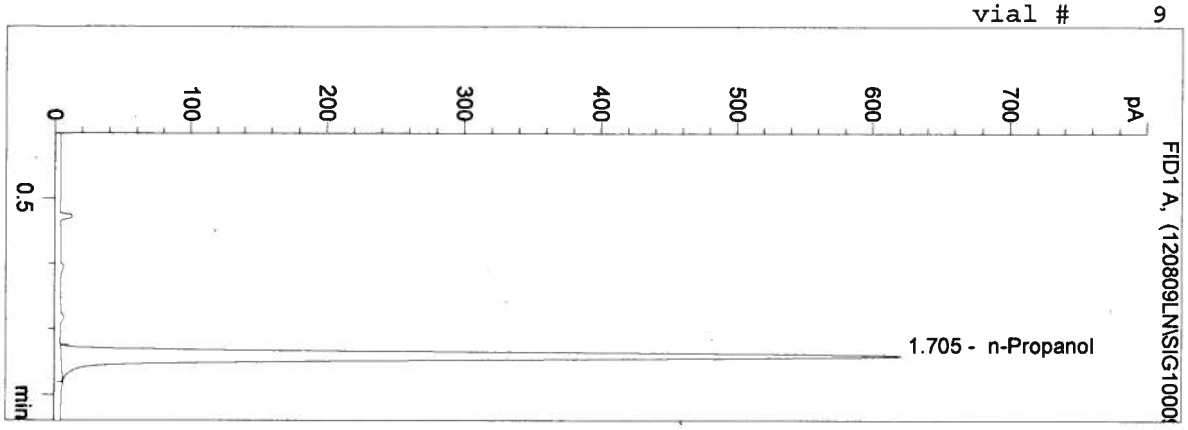
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

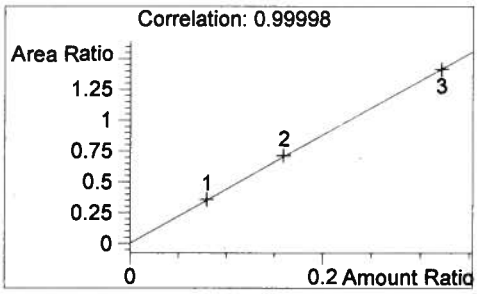
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:34:39 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

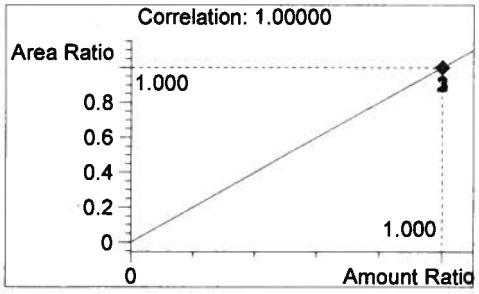
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2471	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

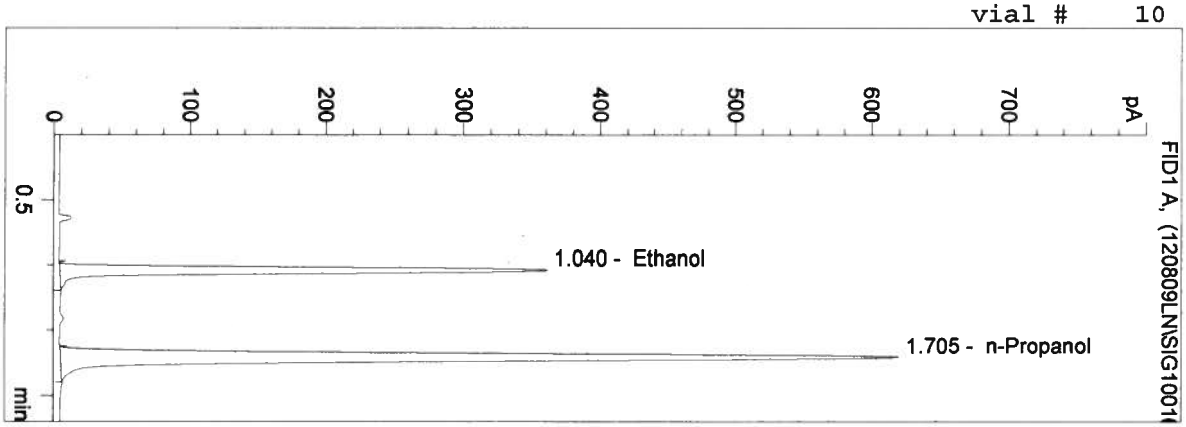
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

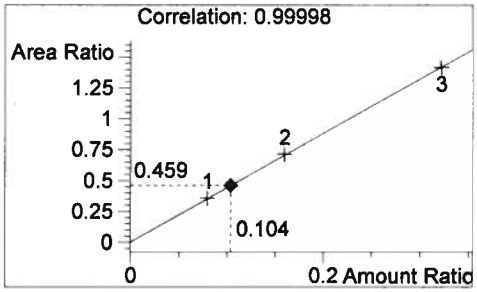
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:37:44 AM
Instrument 1
DB-ALC1

12035 #1
Lisa Noble

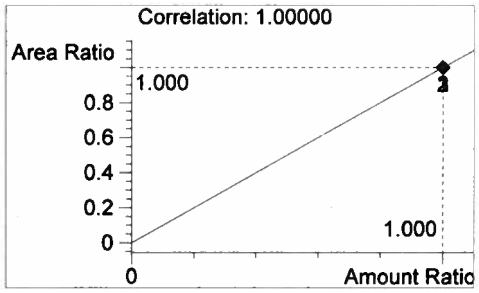
vial # 10



#	Compound	Area	RT
1	Ethanol	1128	1.040
2	n-Propanol	2455	1.705
Tot			



Ethanol 0.104 g/100 mL



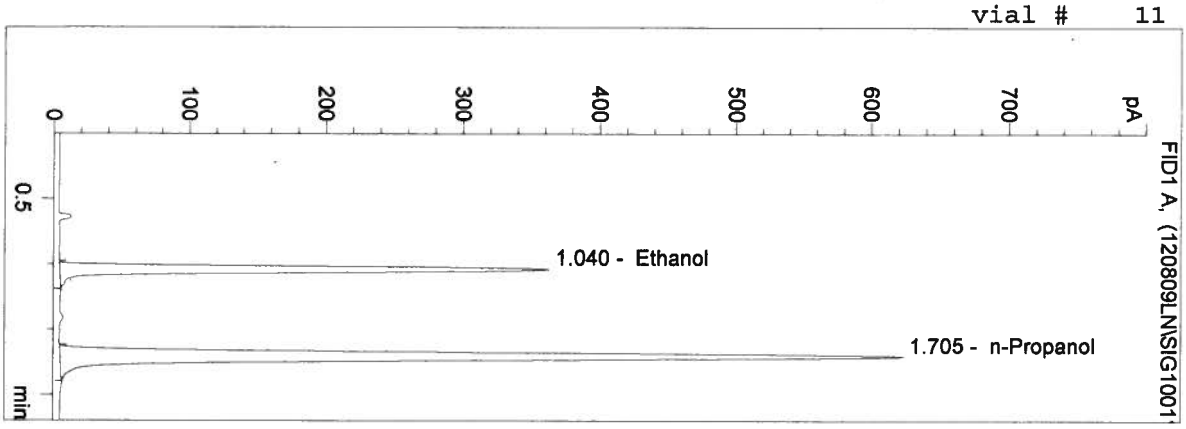
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

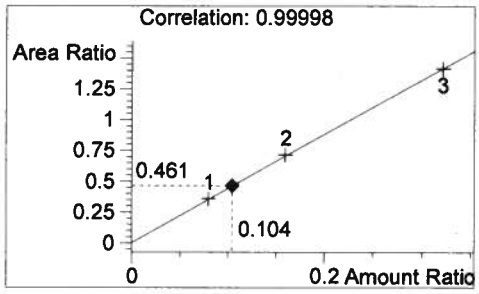
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:40:48 AM
Instrument 1
DB-ALC1

12035 #2
Lisa Noble

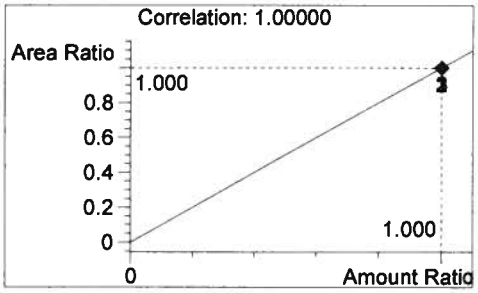
vial # 11



#	Compound	Area	RT
1	Ethanol	1137	1.040
2	n-Propanol	2464	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

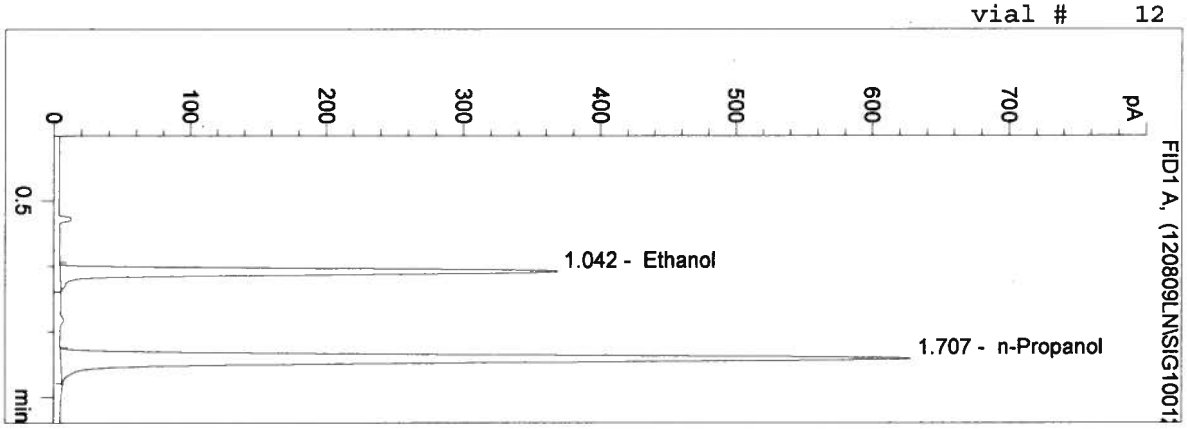
fn

WASHINGTON STATE TOXICOLOGY LABORATORY

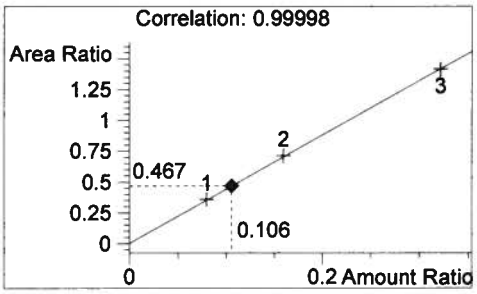
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:43:53 AM
Instrument 1
DB-ALC1

12035 #3
Lisa Noble

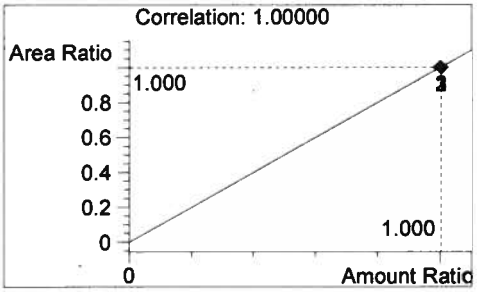
vial # 12



#	Compound	Area	RT
1	Ethanol	1161	1.042
2	n-Propanol	2484	1.707
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

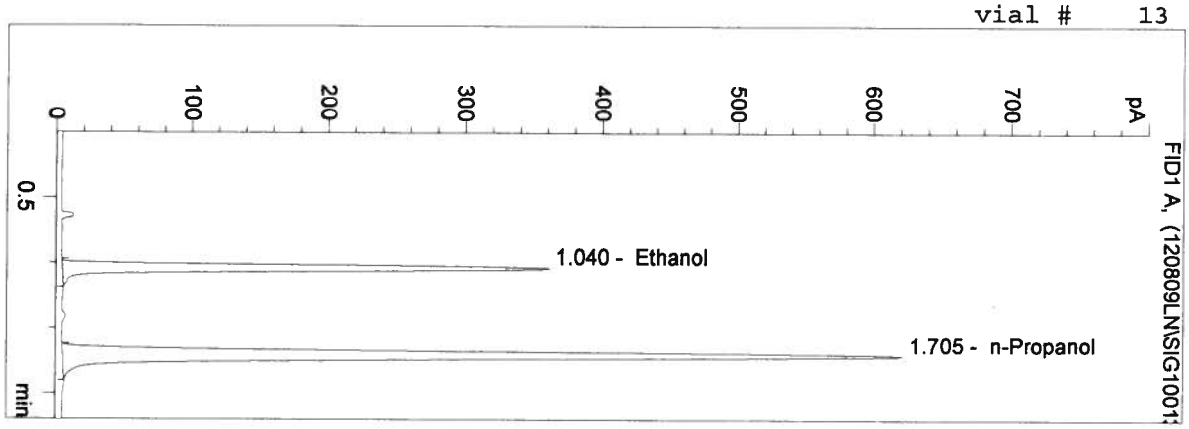
fv

WASHINGTON STATE TOXICOLOGY LABORATORY

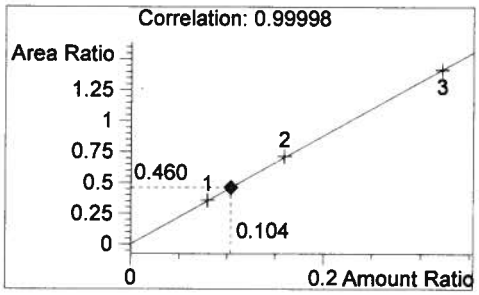
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:46:58 AM
Instrument 1
DB-ALC1

12035 #4
Lisa Noble

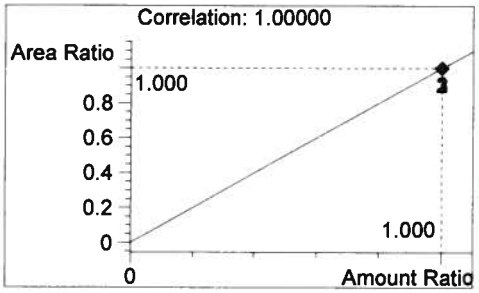
vial # 13



#	Compound	Area	RT
1	Ethanol	1133	1.040
2	n-Propanol	2462	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

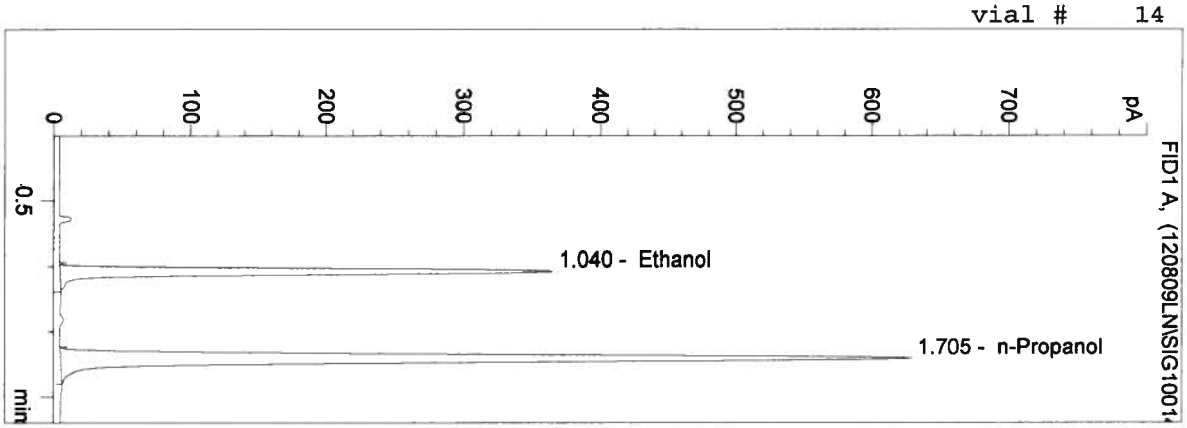
fn

WASHINGTON STATE TOXICOLOGY LABORATORY

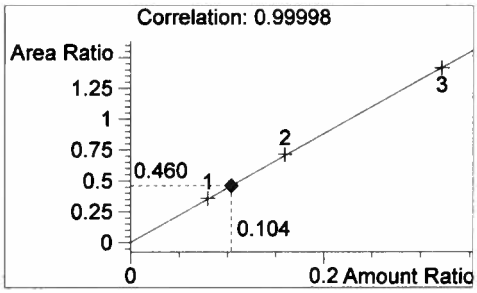
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:50:03 AM
Instrument 1
DB-ALC1

12035 #5
Lisa Noble

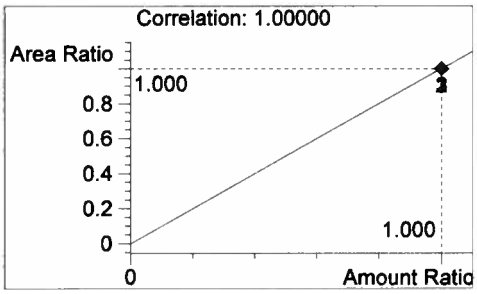
vial # 14



#	Compound	Area	RT
1	Ethanol	1147	1.040
2	n-Propanol	2493	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

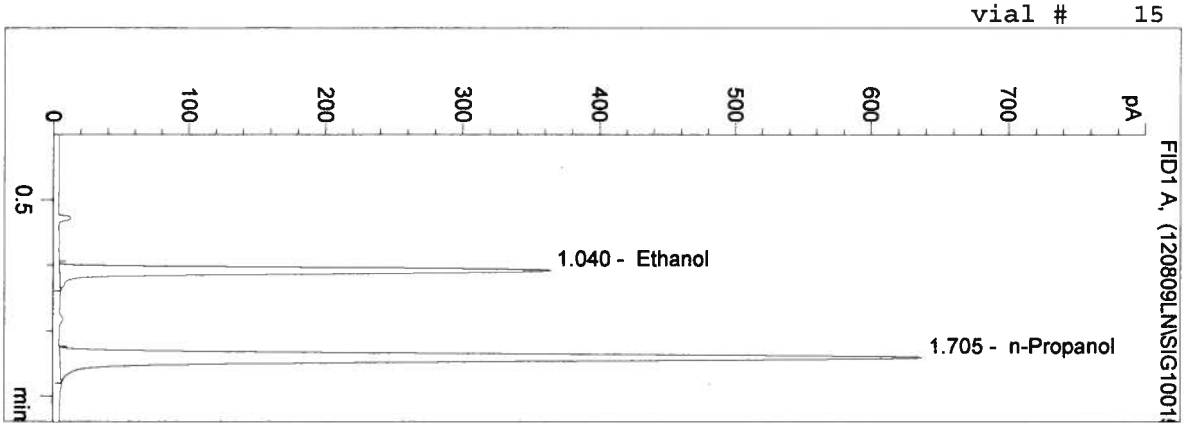
fu

WASHINGTON STATE TOXICOLOGY LABORATORY

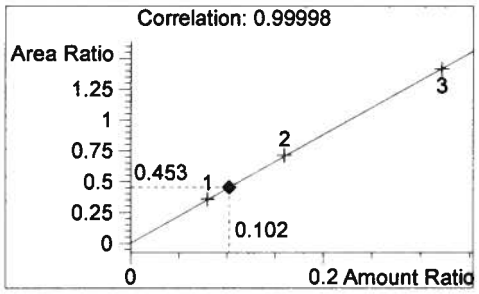
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 9:53:07 AM
Instrument 1
DB-ALC1

0.10 CTRL - LN
Lisa Noble

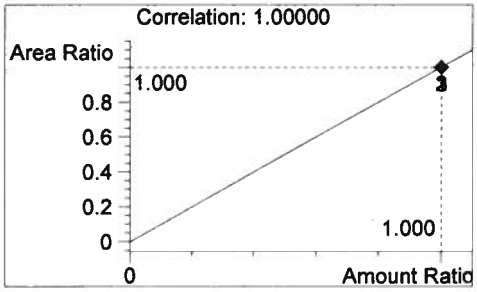
vial # 15



#	Compound	Area	RT
1	Ethanol	1145	1.040
2	n-Propanol	2528	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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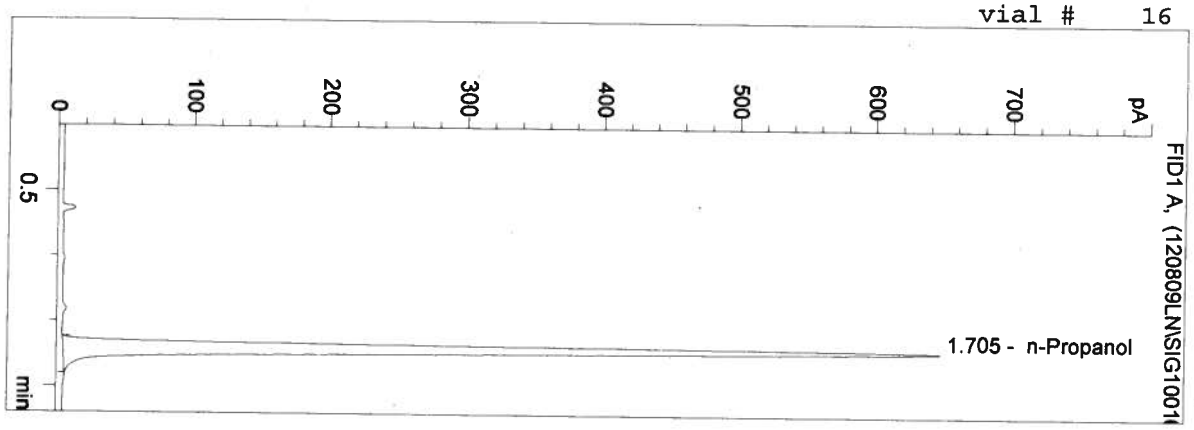
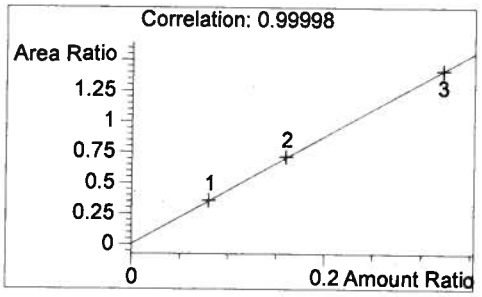
8/9/2012 9:56:12 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

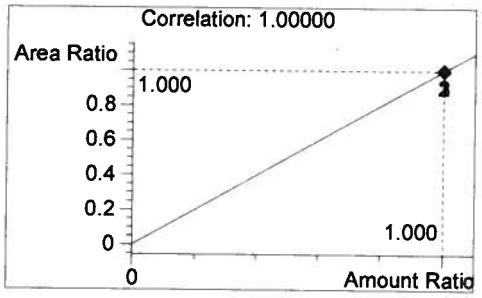
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2567	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

Sequence Parameters:

Operator:	Brittany Ball
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120809BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A084657 - Exp. 02/2016

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0612-01
3	Vial 3	LOT#E0612-02
4	Vial 4	LOT#E0612-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

BB

12035

Sequence: C:\HPCHEM\1\SEQUENCE\BBEXTSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL BB	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL BB	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL BB	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL BB	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL BB	SIMALC1	1	Ctrl Samp		
10	Vial 10	12035-1	SIMALC1	1	Sample		
11	Vial 11	12035-2	SIMALC1	1	Sample		
12	Vial 12	12035-3	SIMALC1	1	Sample		
13	Vial 13	12035-4	SIMALC1	1	Sample		
14	Vial 14	12035-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL BB	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL BB	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

BB

12035

Method C:\HPCHEM\1\METHODS\SIMALC1.M

Calibration Table

Calib. Data Modified : Thursday, August 09, 2012 1:08:28 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.043	1	1	7.97000e-2	927.42432	8.59369e-5	1		Ethanol
		2	1.59870e-1	1764.04272	9.06271e-5			
		3	3.21590e-1	3665.35693	8.77377e-5			
1.708	1	1	1.00000	2532.01953	3.94942e-4	I1		n-Propanol
		2	1.00000	2460.09595	4.06488e-4			
		3	1.00000	2526.68286	3.95776e-4			

Peak Sum Table

No Entries in table

12035

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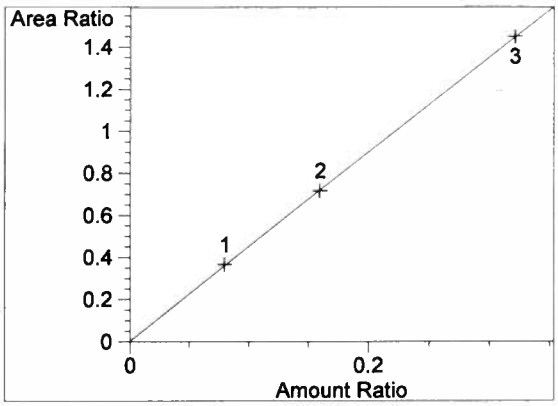
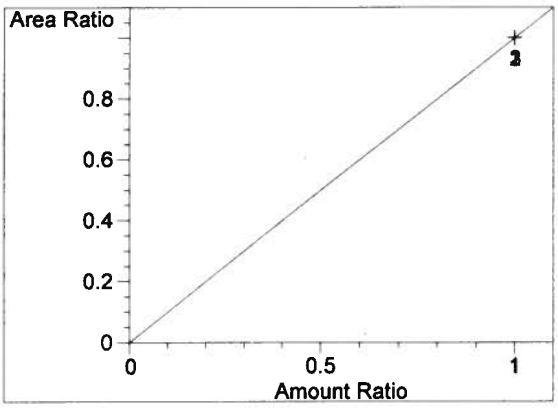
Calibration Curves

==========



Ethanol at exp. RT: 1.043
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00531
Formula: y = mx + b
m: 4.50225
b: 1.88012e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.708
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

BB

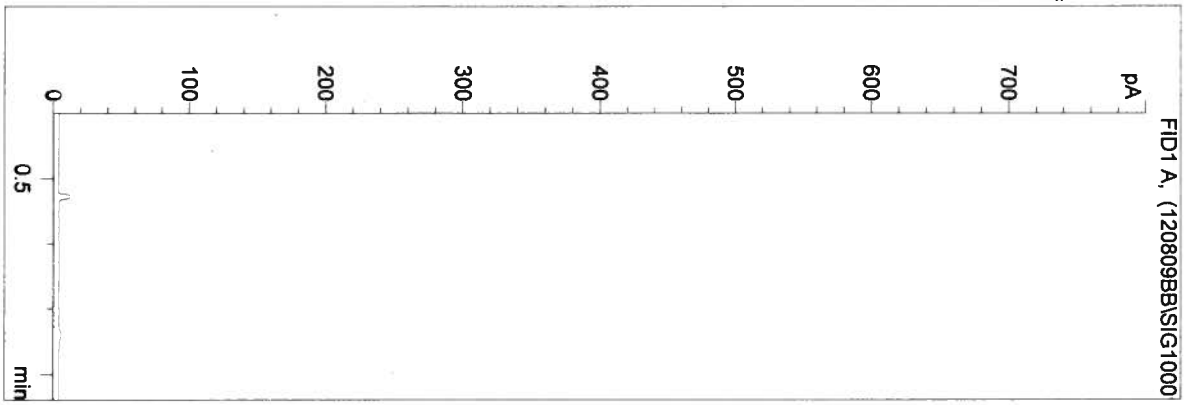
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

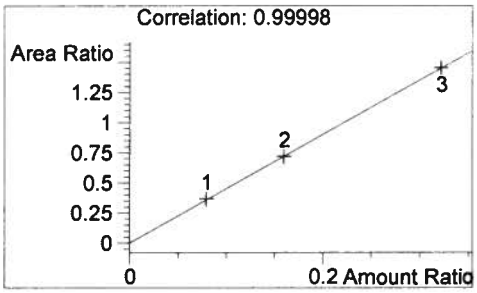
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 12:57:00 PM
Instrument 1
DB-ALC1

BLANK
Brittany Ball

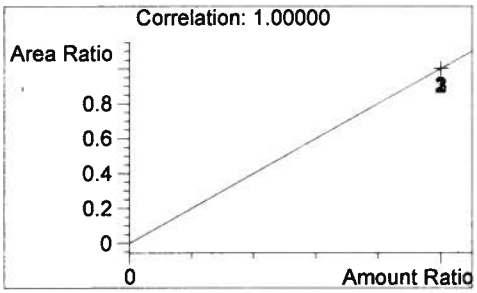
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

BB

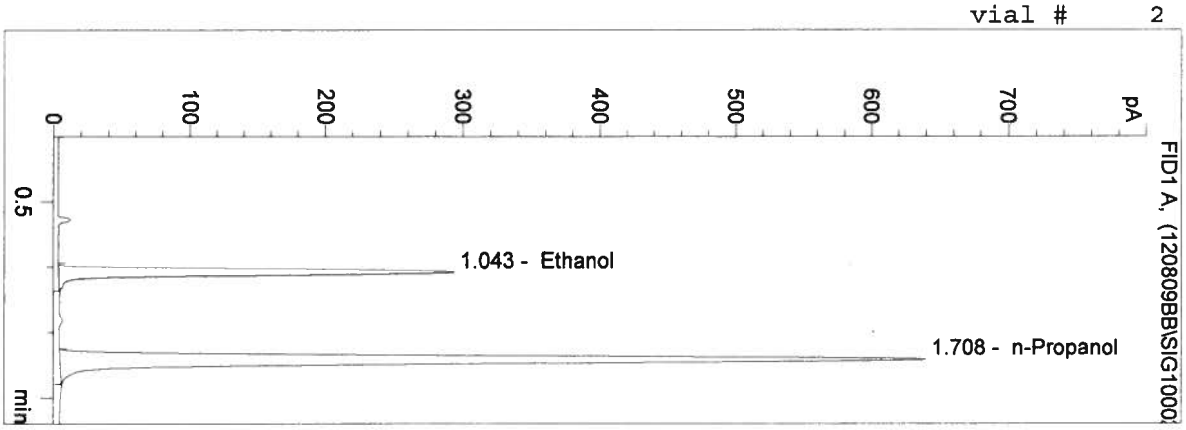
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

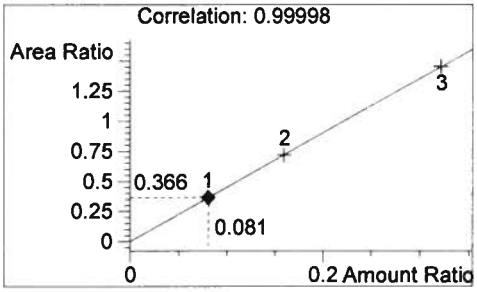
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 1:00:05 PM
Instrument 1
DB-ALC1

0.079 CAL
Brittany Ball

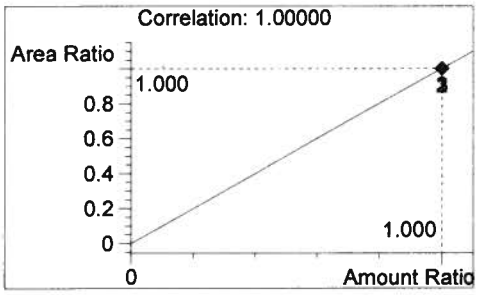
vial # 2



#	Compound	Area	RT
1	Ethanol	927	1.043
2	n-Propanol	2532	1.708
Tot			



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

BB

12035

WASHINGTON STATE TOXICOLOGY LABORATORY

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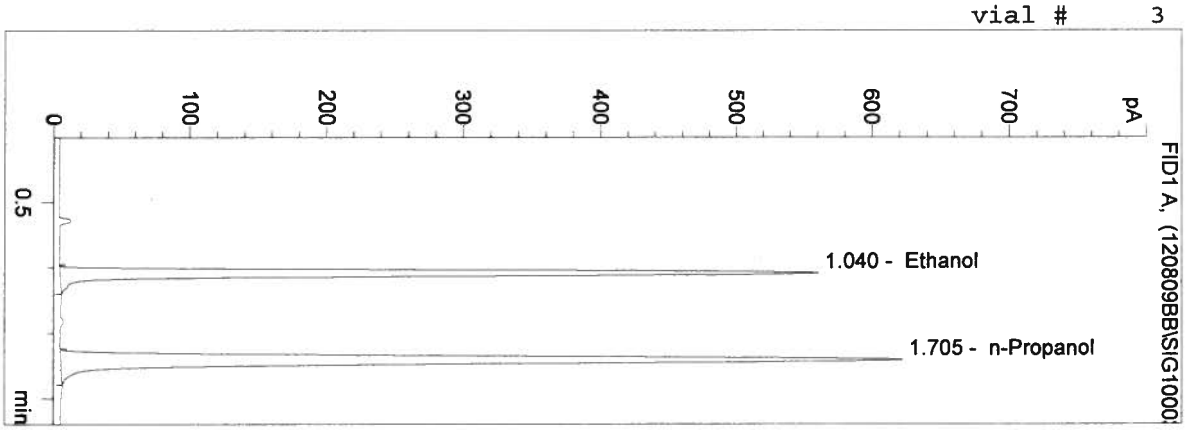
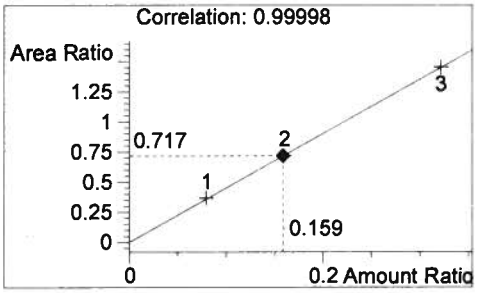
8/9/2012 1:03:10 PM
Instrument 1
DB-ALC1

0.158 CAL
Brittany Ball

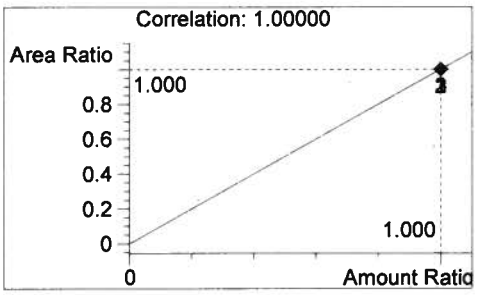
vial # 3



#	Compound	Area	RT
1	Ethanol	1764	1.040
2	n-Propanol	2460	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

BB

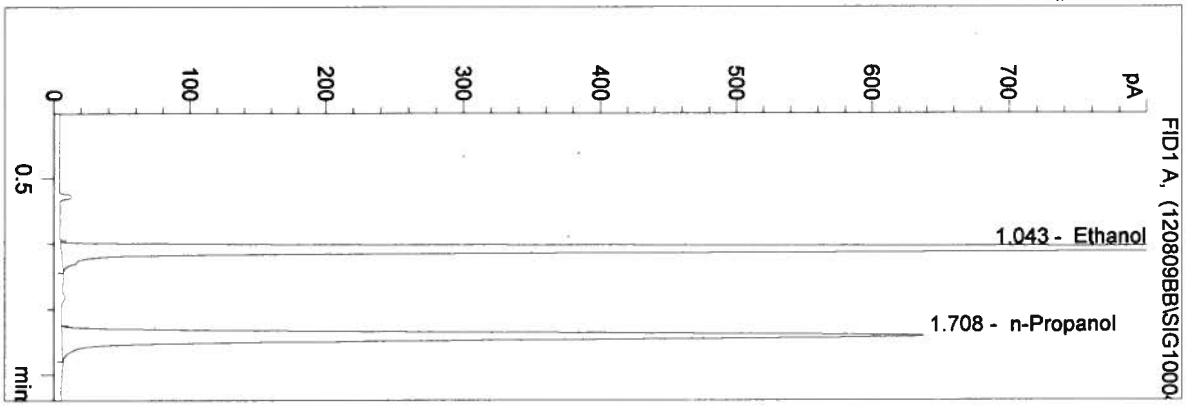
12035

WASHINGTON STATE TOXICOLOGY LABORATORY

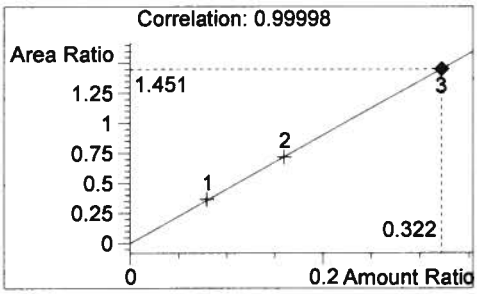
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 1:06:15 PM
Instrument 1
DB-ALC1

0.316 CAL
Brittany Ball

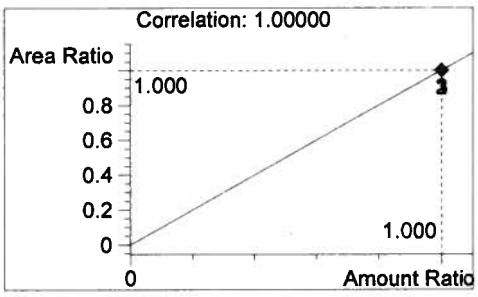
vial # 4



#	Compound	Area	RT
1	Ethanol	3665	1.043
2	n-Propanol	2527	1.708
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

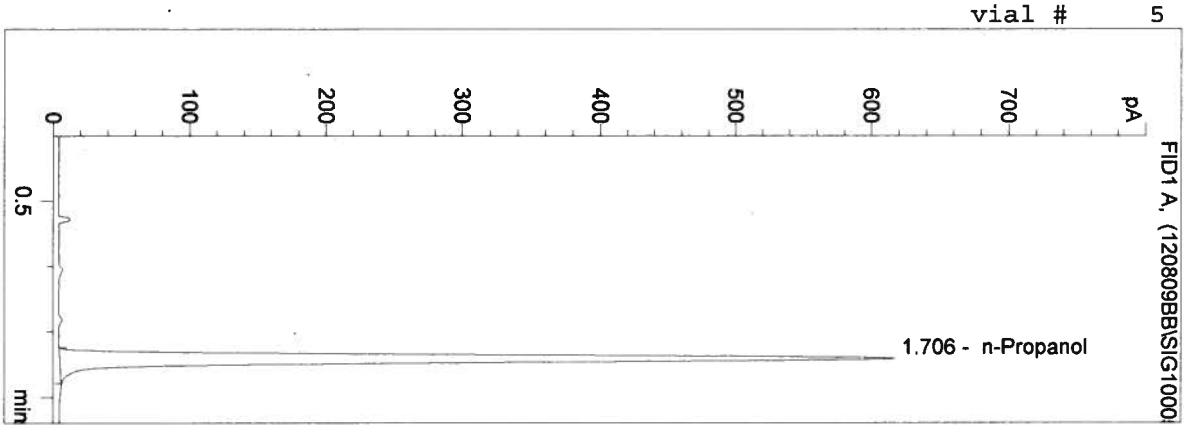
BB

12035

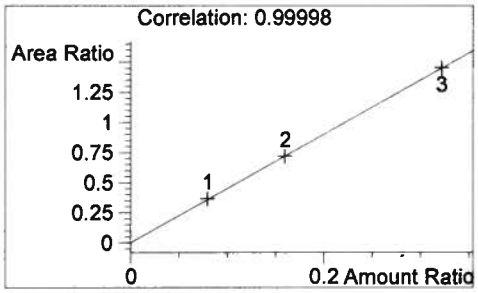
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 1:09:19 PM
Instrument 1
DB-ALC1

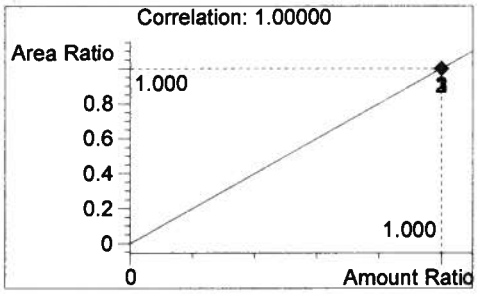
NEG CTRL BB
Brittany Ball
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2437	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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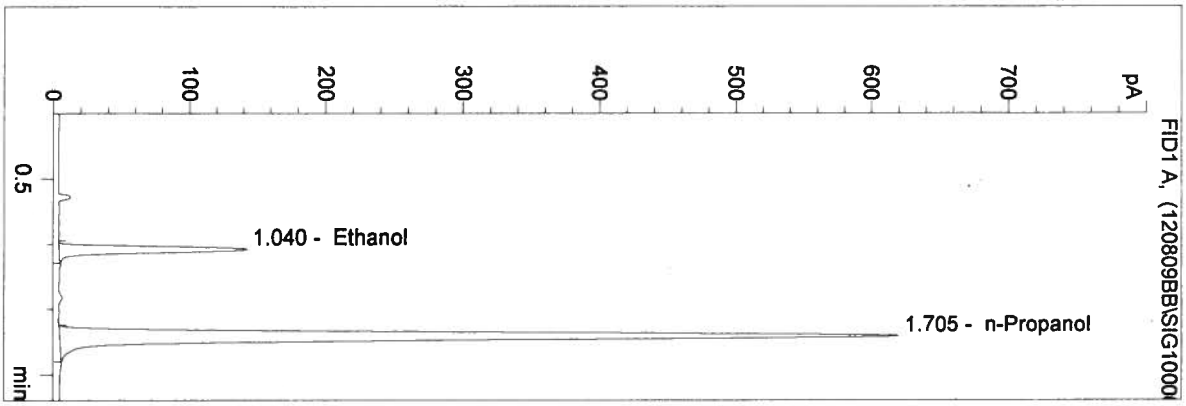
WASHINGTON STATE TOXICOLOGY LABORATORY

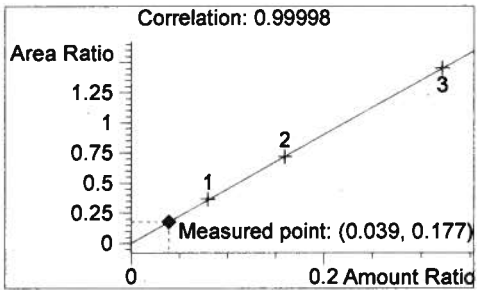
C:\HPCHEM\1\METHODS\SIMALC1.M
8/9/2012 1:12:24 PM
Instrument 1
DB-ALC1

0.04 CTRL BB
Brittany Ball

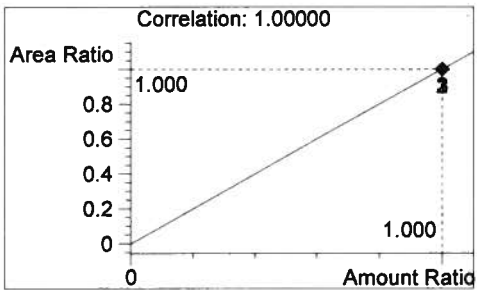
vial # 6



#	Compound	Area	RT
1	Ethanol	435	1.040
2	n-Propanol	2454	1.705
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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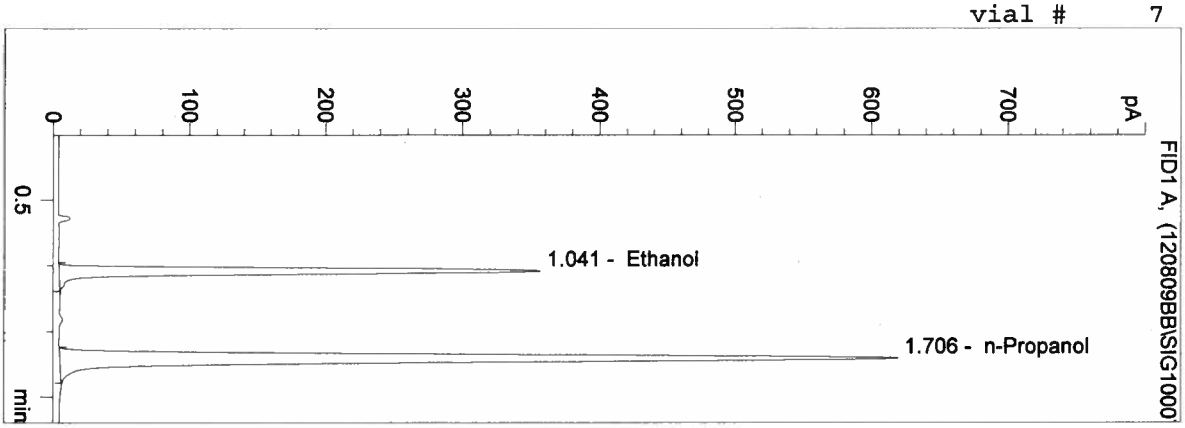
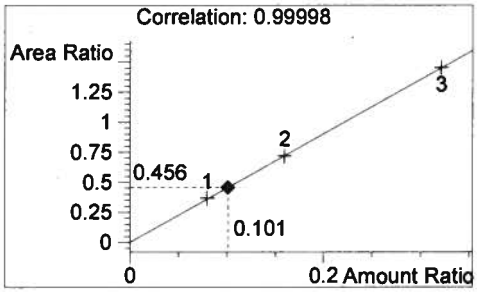
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

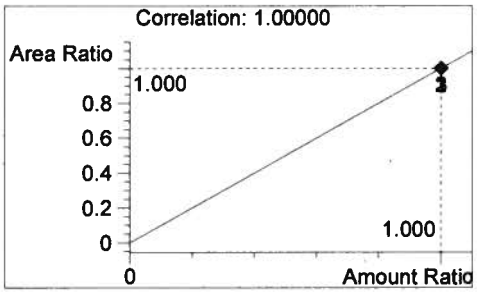
vial # 7



#	Compound	Area	RT
1	Ethanol	1117	1.041
2	n-Propanol	2449	1.706
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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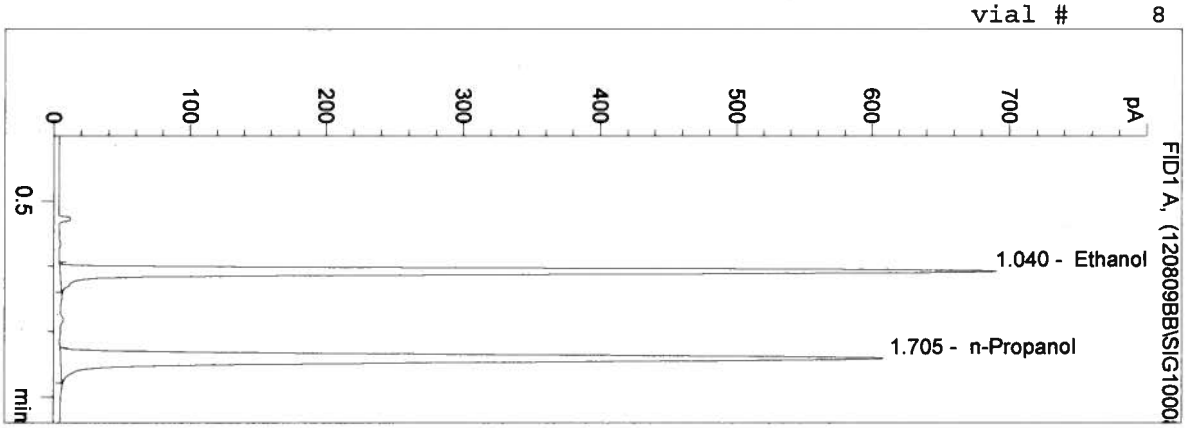
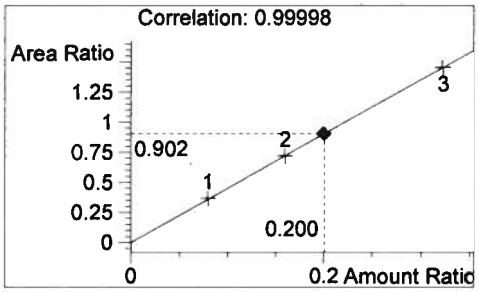
8/9/2012 1:18:34 PM
Instrument 1
DB-ALC1

0.20 CTRL BB
Brittany Ball

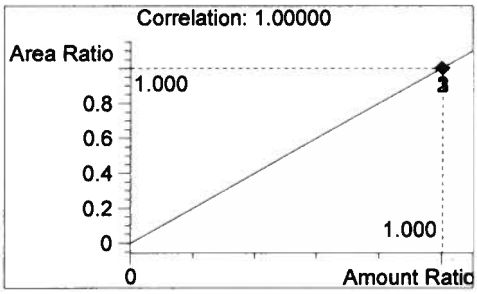
vial # 8



#	Compound	Area	RT
1	Ethanol	2163	1.040
2	n-Propanol	2397	1.705
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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WASHINGTON STATE TOXICOLOGY LABORATORY

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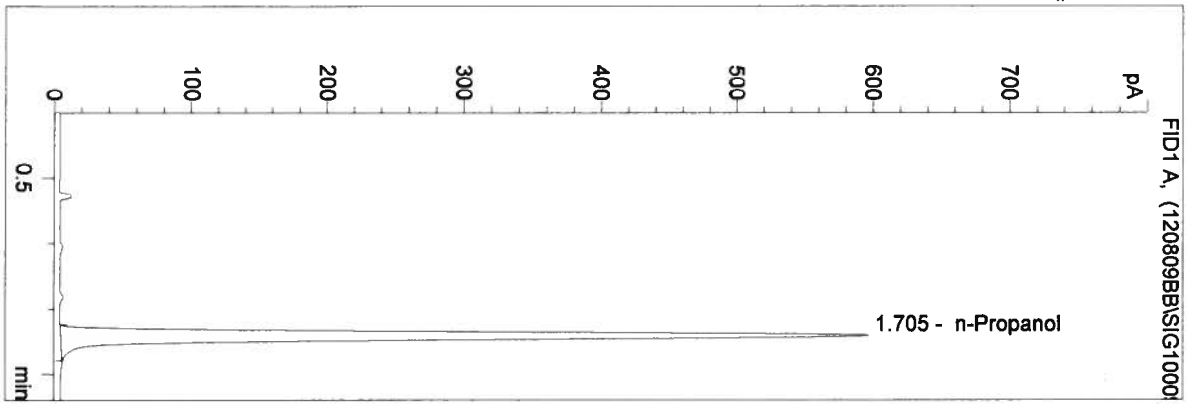
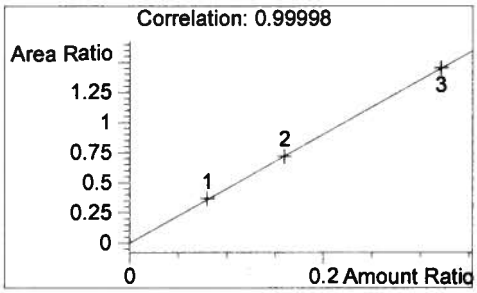
8/9/2012 1:21:39 PM
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

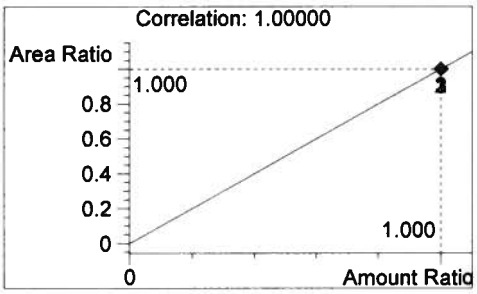
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2364	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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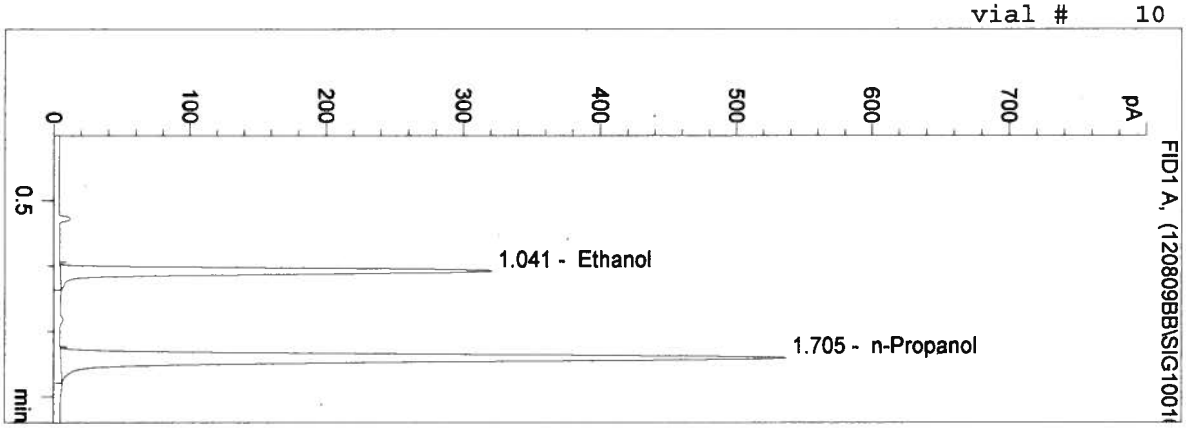
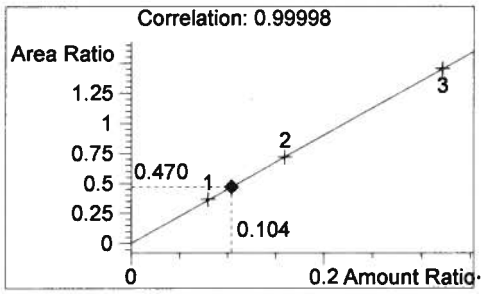
8/9/2012 1:24:43 PM
Instrument 1
DB-ALC1

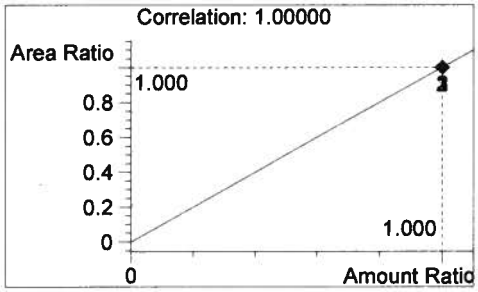
12035-1
Brittany Ball
vial # 10



#	Compound	Area	RT
1	Ethanol	994	1.041
2	n-Propanol	2115	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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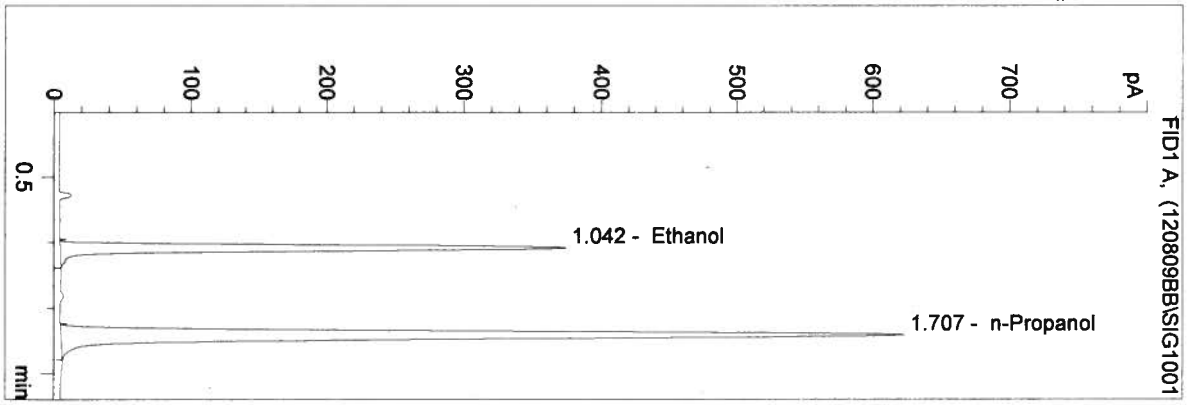
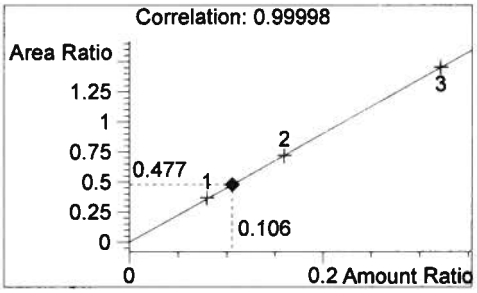
8/9/2012 1:27:48 PM
Instrument 1
DB-ALC1

12035-2
Brittany Ball

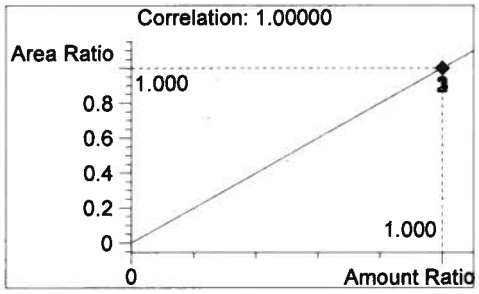
vial # 11



#	Compound	Area	RT
1	Ethanol	1175	1.042
2	n-Propanol	2464	1.707
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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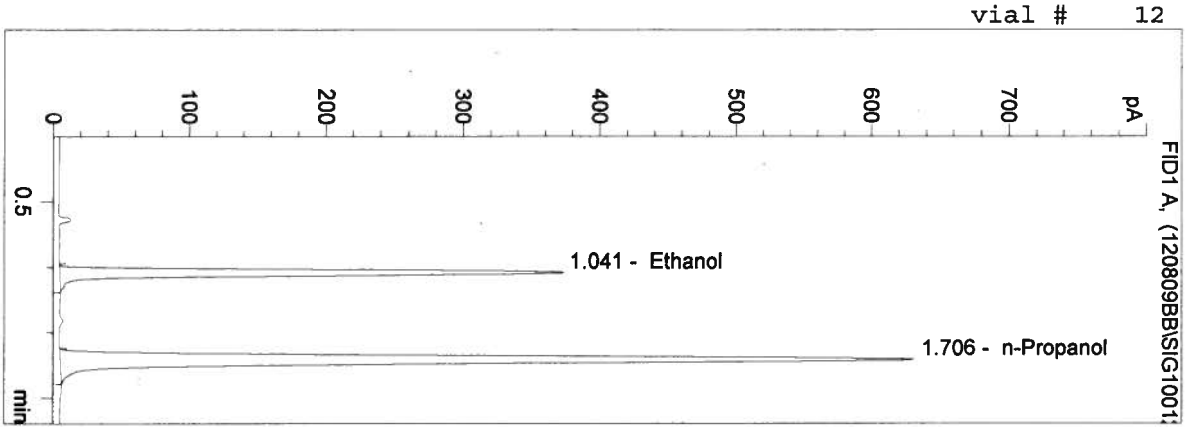
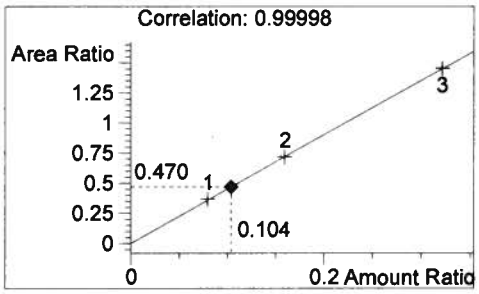
8/9/2012 1:30:53 PM
Instrument 1
DB-ALC1

12035-3
Brittany Ball

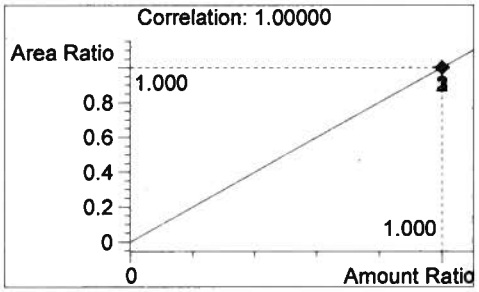
vial # 12



#	Compound	Area	RT
1	Ethanol	1172	1.041
2	n-Propanol	2493	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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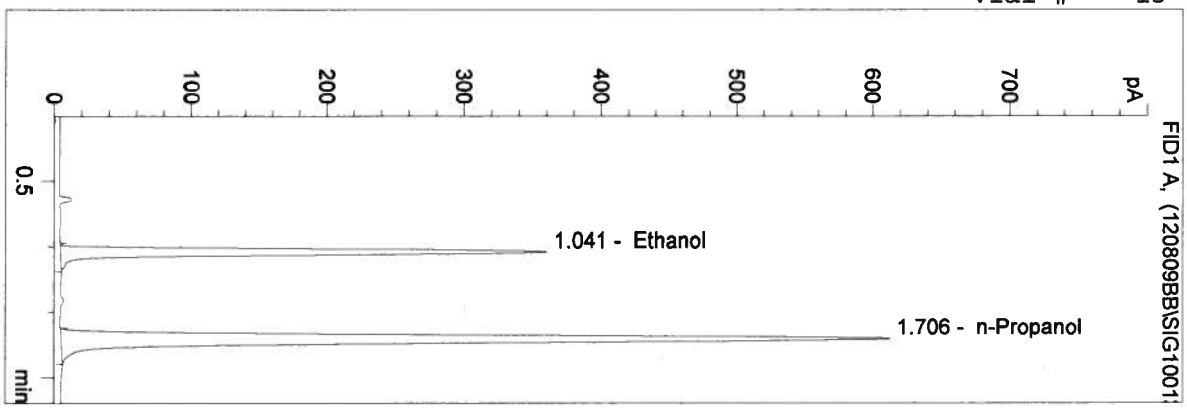
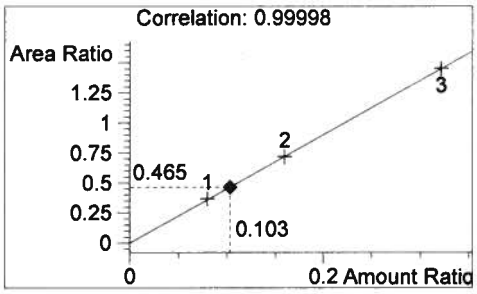
8/9/2012 1:33:58 PM
Instrument 1
DB-ALC1

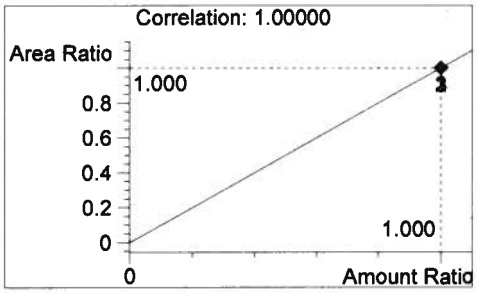
12035-4
Brittany Ball
vial # 13



#	Compound	Area	RT
1	Ethanol	1124	1.041
2	n-Propanol	2419	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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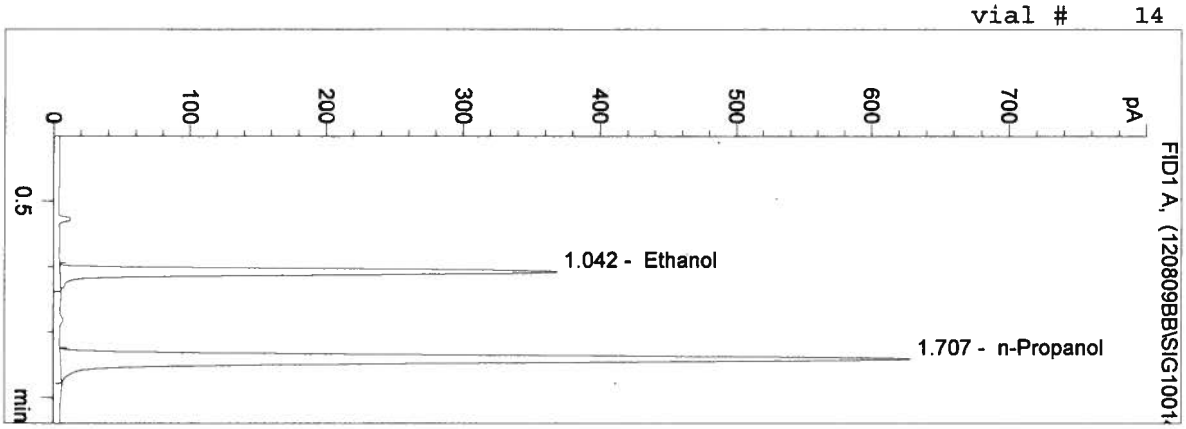
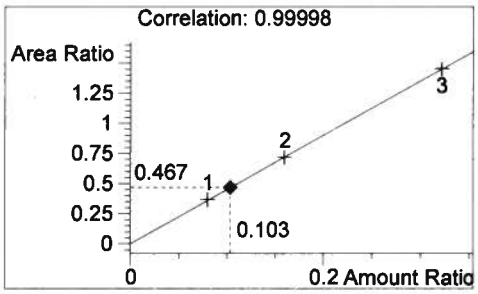
8/9/2012 1:37:02 PM
Instrument 1
DB-ALC1

12035-5
Brittany Ball

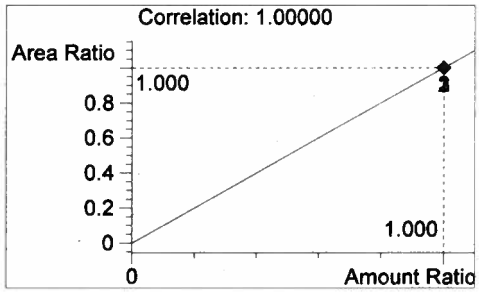
vial # 14



#	Compound	Area	RT
1	Ethanol	1161	1.042
2	n-Propanol	2484	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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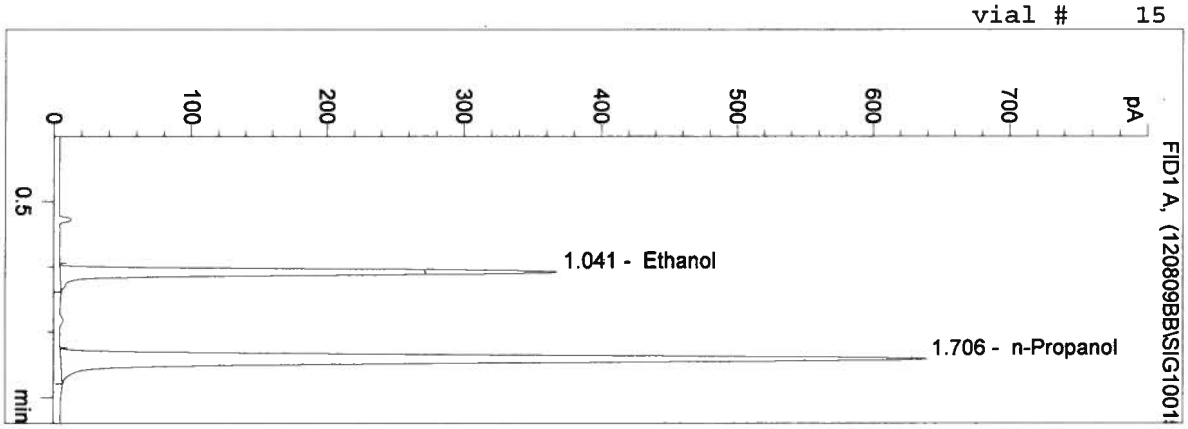
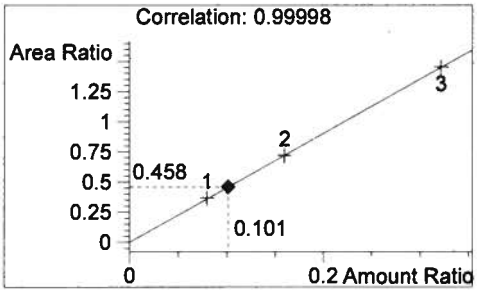
8/9/2012 1:40:07 PM
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

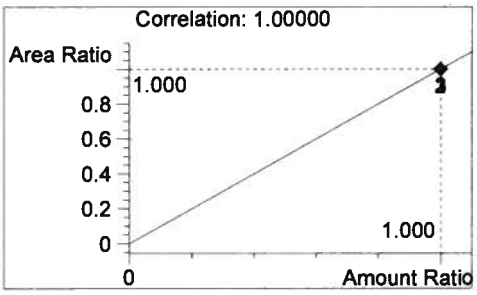
vial # 15



#	Compound	Area	RT
1	Ethanol	1155	1.041
2	n-Propanol	2524	1.706
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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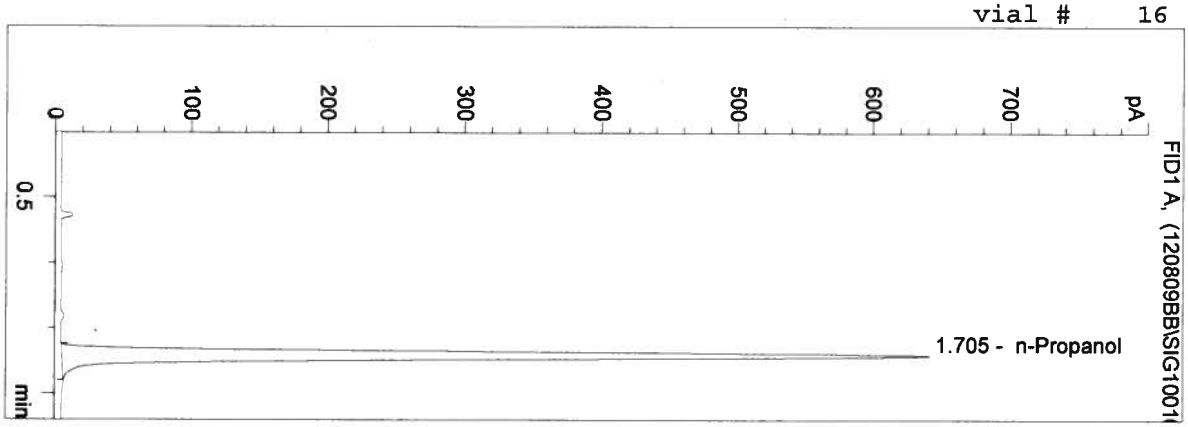
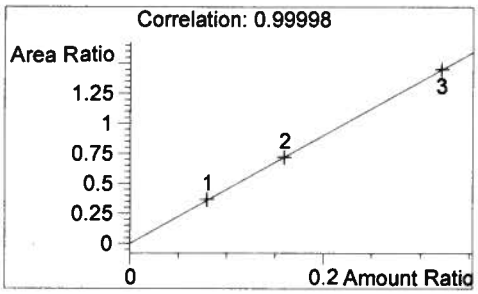
8/9/2012 1:43:12 PM
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

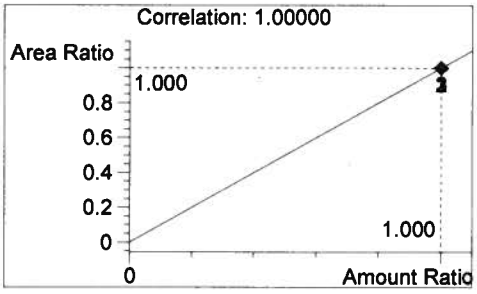
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2534	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Sequence Parameters:

Operator:	Dawn C Sklerov
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120810DS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 Lot# E0612-01 Exp ~~07/11/2012~~
Cal 2 Lot# E0612-02 Exp ~~07/11/2012~~ 9/25/12 DS 8.14.12
Cal 3 Lot# E0612-03 Exp ~~07/11/2012~~
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A084657 - exp 02/2016

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E0612-01
3	Vial 3	Lot# E0612-02
4	Vial 4	Lot# E0612-03
5	Vial 5	
6	Vial 6	Lot# A077459
7	Vial 7	Lot# A083355
8	Vial 8	Lot# A084657
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

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DS

Sequence: C:\HPCHEM\1\SEQUENCE\DCESS.S

Line	Location	Sample Information
15	Vial 15	Lot# A083355
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-DS	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DS	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DS	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DS	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DS	SIMALC1	1	Ctrl Samp		
10	Vial 10	12035 #1	SIMALC1	1	Sample		
11	Vial 11	12035 #2	SIMALC1	1	Sample		
12	Vial 12	12035 #3	SIMALC1	1	Sample		
13	Vial 13	12035 #4	SIMALC1	1	Sample		
14	Vial 14	12035 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-DS	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-DS	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12035

Calibration Table

Calib. Data Modified : Friday, August 10, 2012 1:42:14 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	891.99011	8.93508e-5	1		Ethanol
		2	1.59870e-1	1759.06238	9.08836e-5			
		3	3.21590e-1	3511.26465	9.15881e-5			
1.704	1	1	1.00000	2478.85498	4.03412e-4	I1		n-Propanol
		2	1.00000	2462.31787	4.06121e-4			
		3	1.00000	2469.24951	4.04981e-4			

Peak Sum Table

No Entries in table

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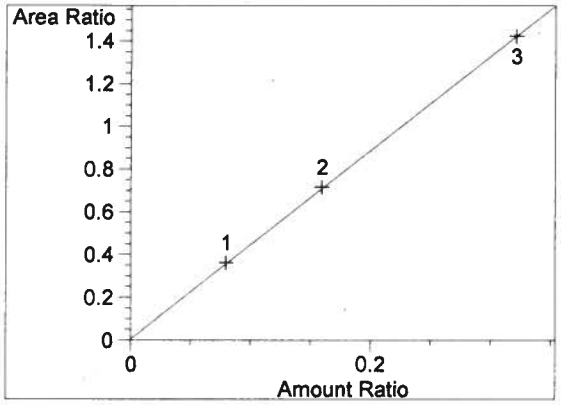
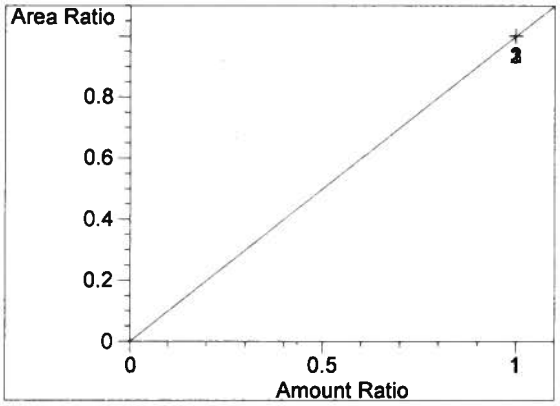
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00519
Formula: y = mx + b
m: 4.41641
b: 4.47902e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.704
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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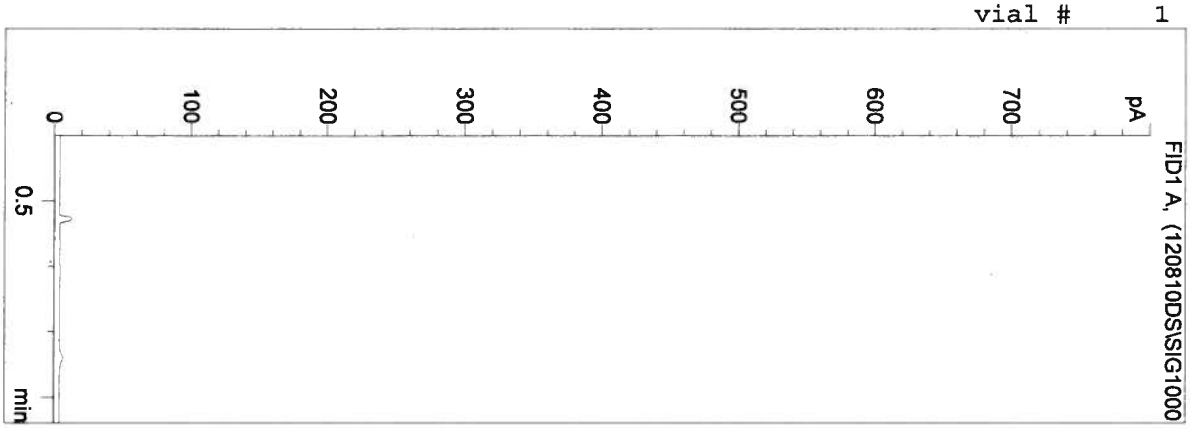
DS

WASHINGTON STATE TOXICOLOGY LABORATORY

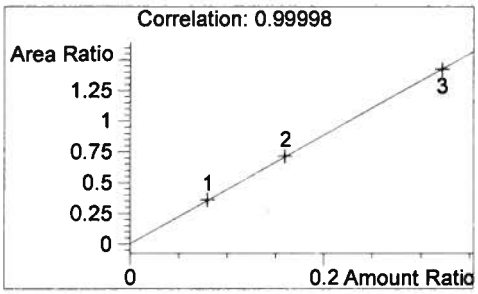
C:\HPCHEM\1\METHODS\SIMALC1.M
8/10/2012 1:30:47 PM
Instrument 1
DB-ALC1

BLANK
Dawn C Sklerov

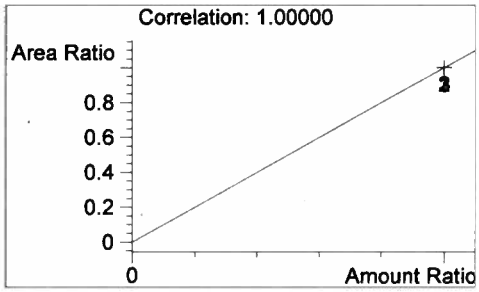
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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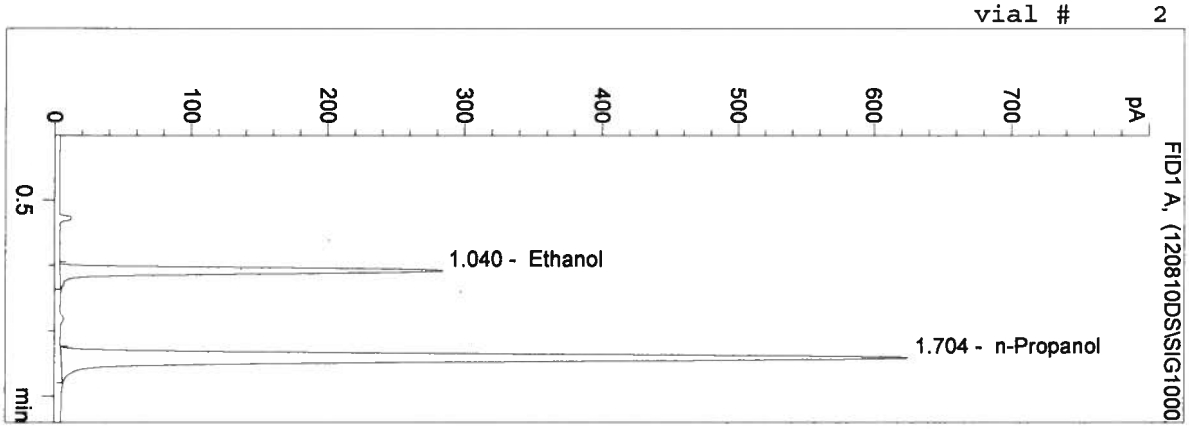
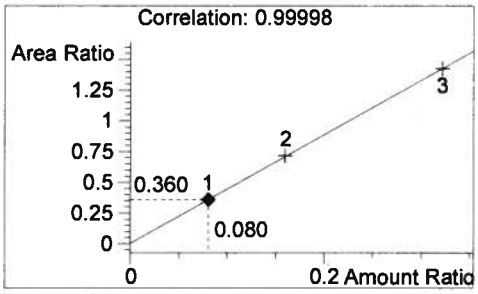
Instrument 1
DB-ALC1

0.079 CAL 1
Dawn C Sklerov

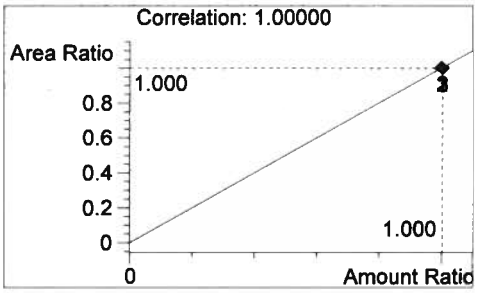
vial # 2



#	Compound	Area	RT
1	Ethanol	892	1.040
2	n-Propanol	2479	1.704
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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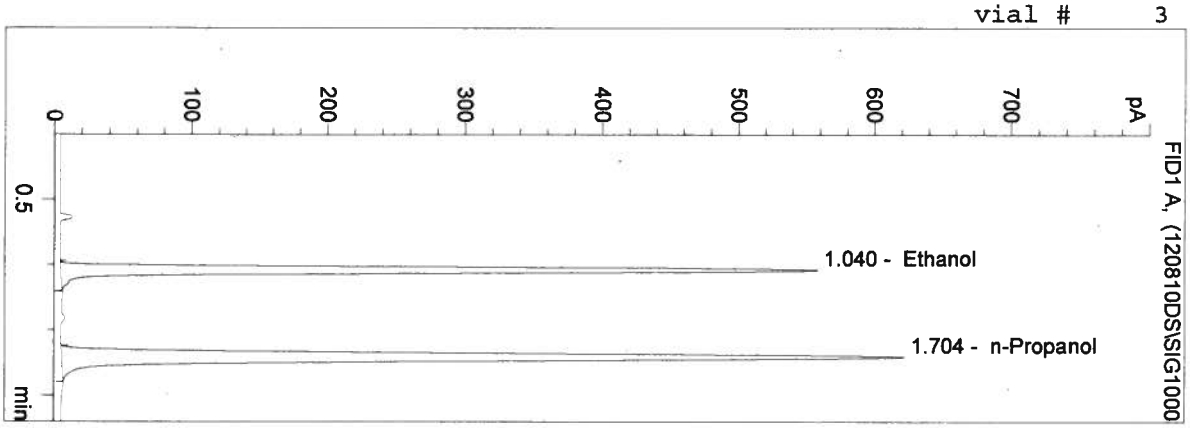
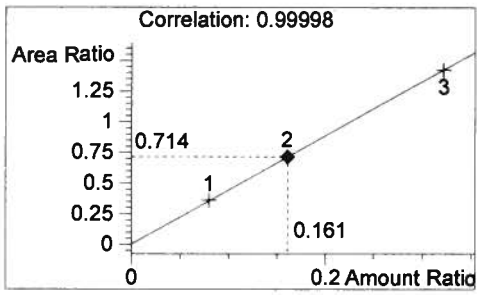
Instrument 1
DB-ALC1

0.158 CAL 2
Dawn C Sklerov

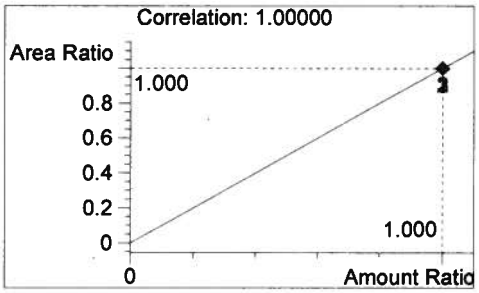
vial # 3



#	Compound	Area	RT
1	Ethanol	1759	1.040
2	n-Propanol	2462	1.704
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

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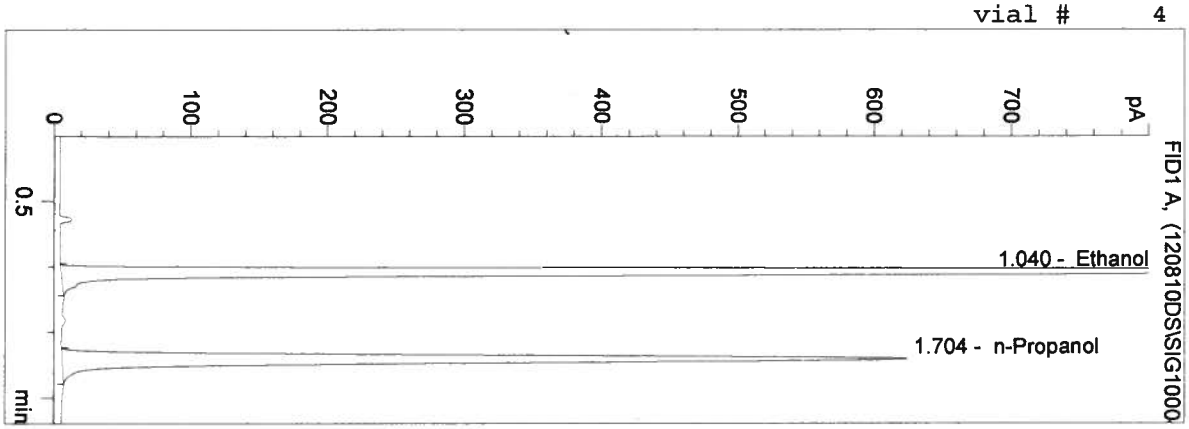
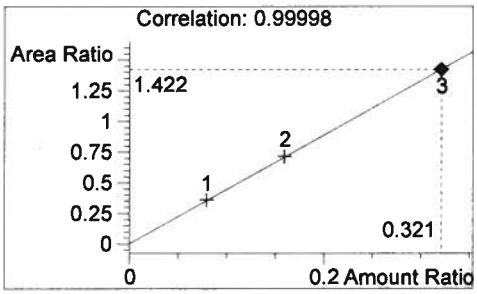
Instrument 1
DB-ALC1

0.316 CAL 3
Dawn C Sklerov

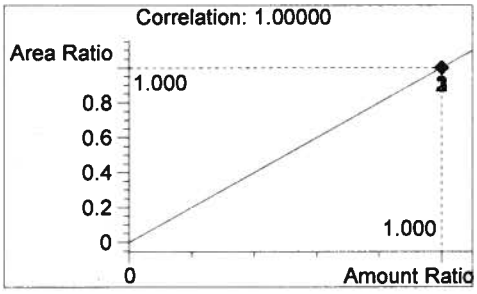
vial # 4



#	Compound	Area	RT
1	Ethanol	3511	1.040
2	n-Propanol	2469	1.704
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

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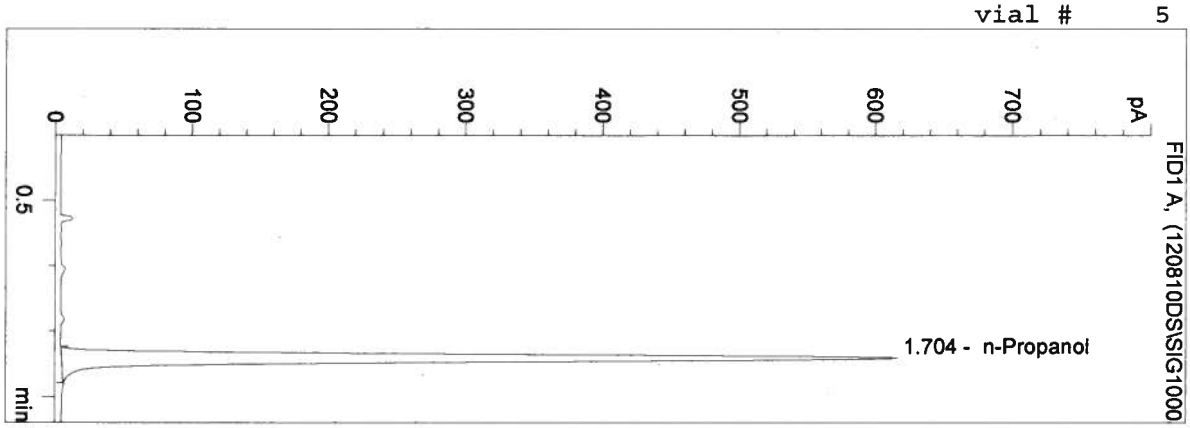
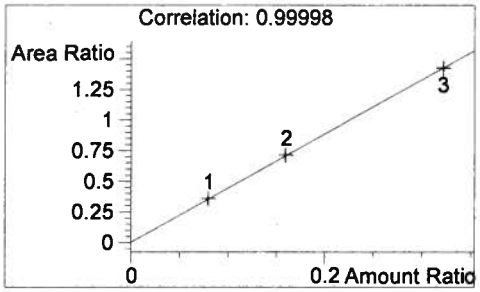
Instrument 1
DB-ALC1

NEG CTRL-DS
Dawn C Sklerov

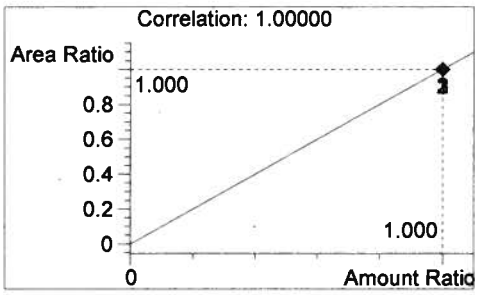
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2441	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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65

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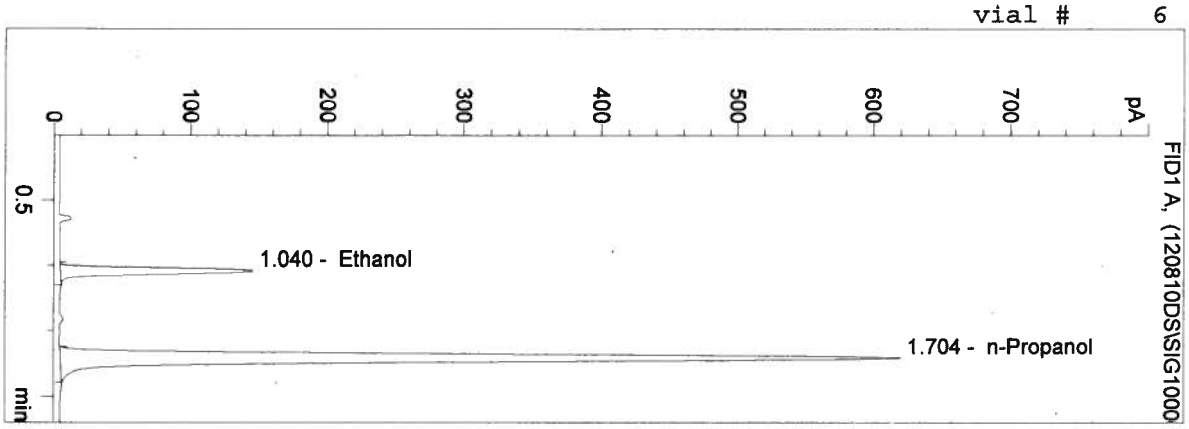
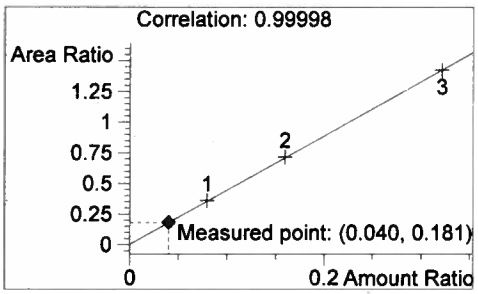
Instrument 1
DB-ALC1

0.04 CTRL-DS
Dawn C Sklerov

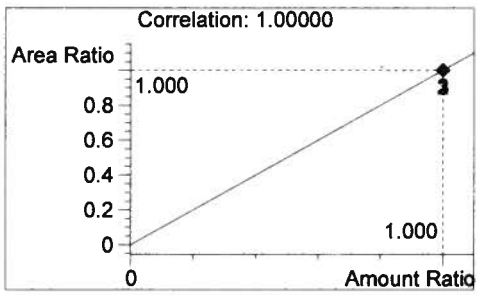
vial # 6



#	Compound	Area	RT
1	Ethanol	446	1.040
2	n-Propanol	2460	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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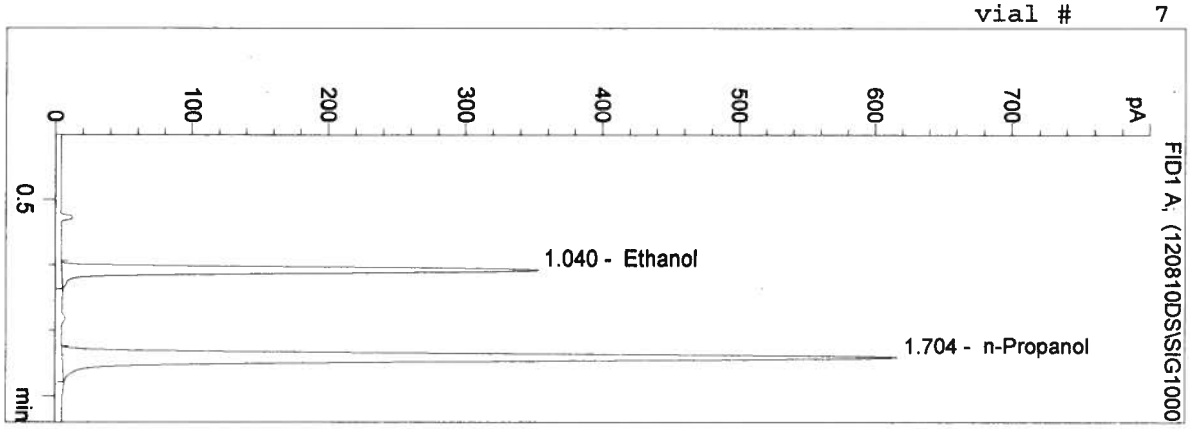
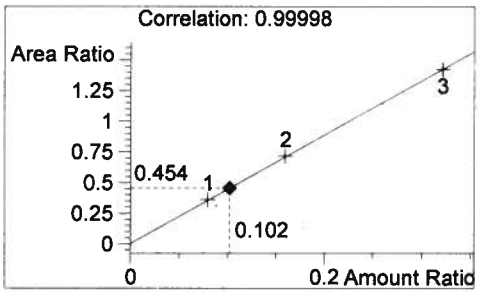
Instrument 1
DB-ALC1

0.10 CTRL-DS
Dawn C Sklerov

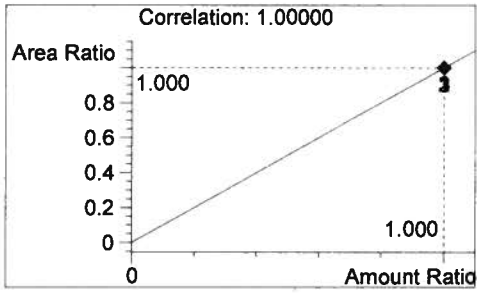
vial # 7



#	Compound	Area	RT
1	Ethanol	1107	1.040
2	n-Propanol	2437	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

2035

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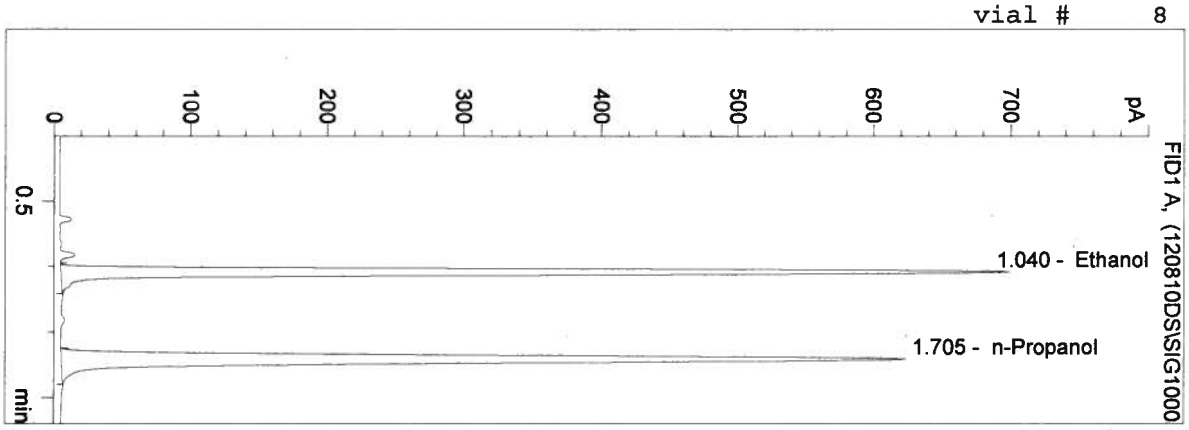
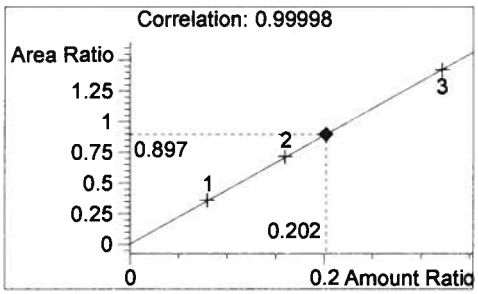
Instrument 1
DB-ALC1

0.20 CTRL-DS
Dawn C Sklerov

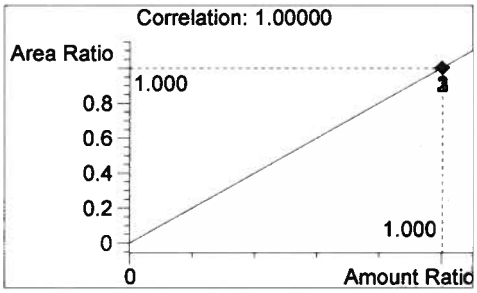
vial # 8



#	Compound	Area	RT
1	Ethanol	2217	1.040
2	n-Propanol	2472	1.705
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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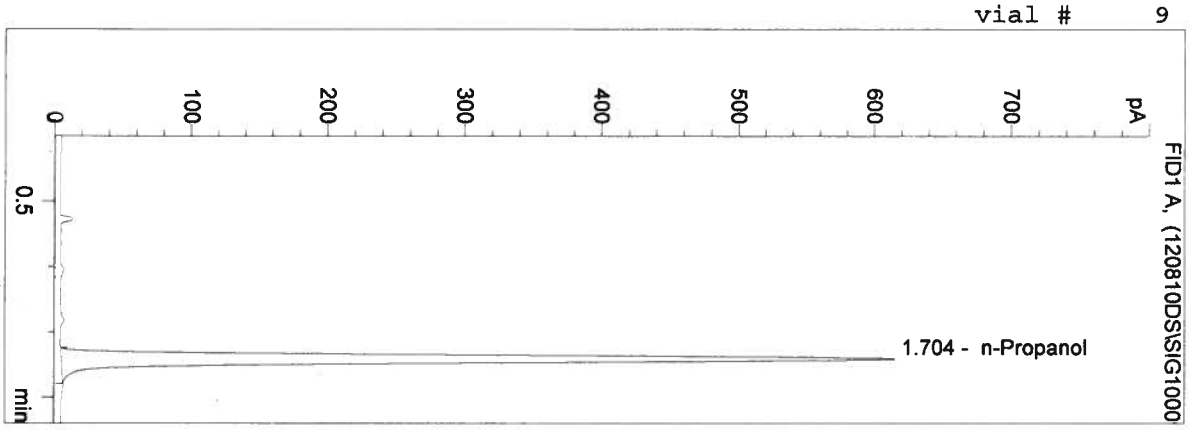
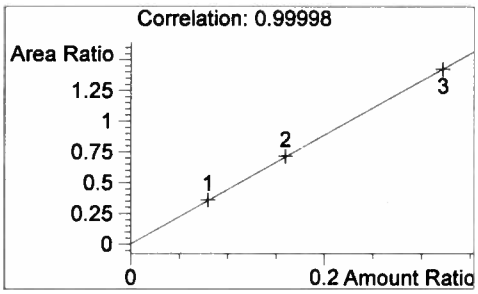
Instrument 1
DB-ALC1

NEG CTRL-DS
Dawn C Sklerov

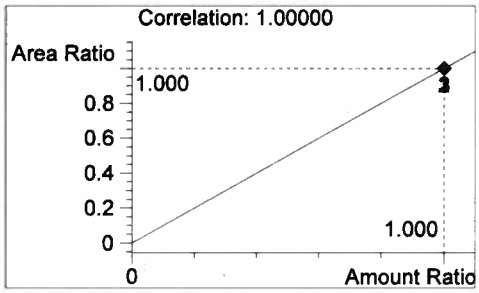
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2434	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

05

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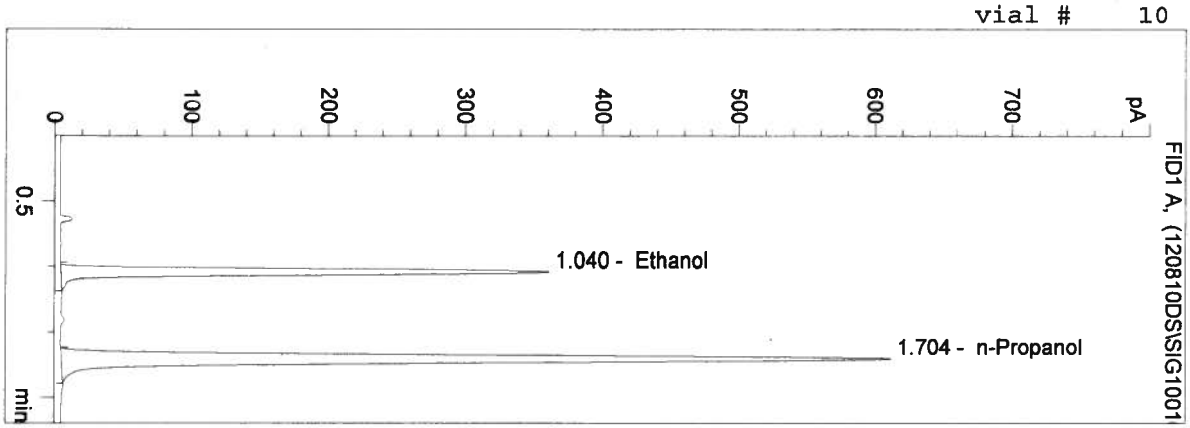
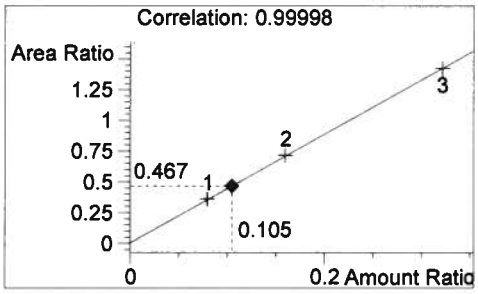
Instrument 1
DB-ALC1

12035 #1
Dawn C Sklerov

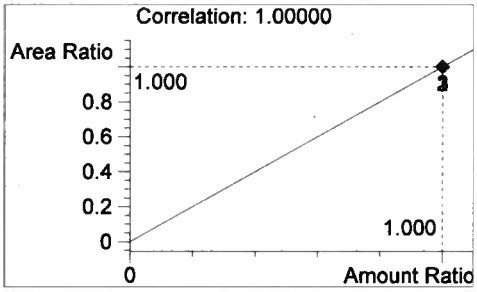
vial # 10



#	Compound	Area	RT
1	Ethanol	1127	1.040
2	n-Propanol	2413	1.704
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

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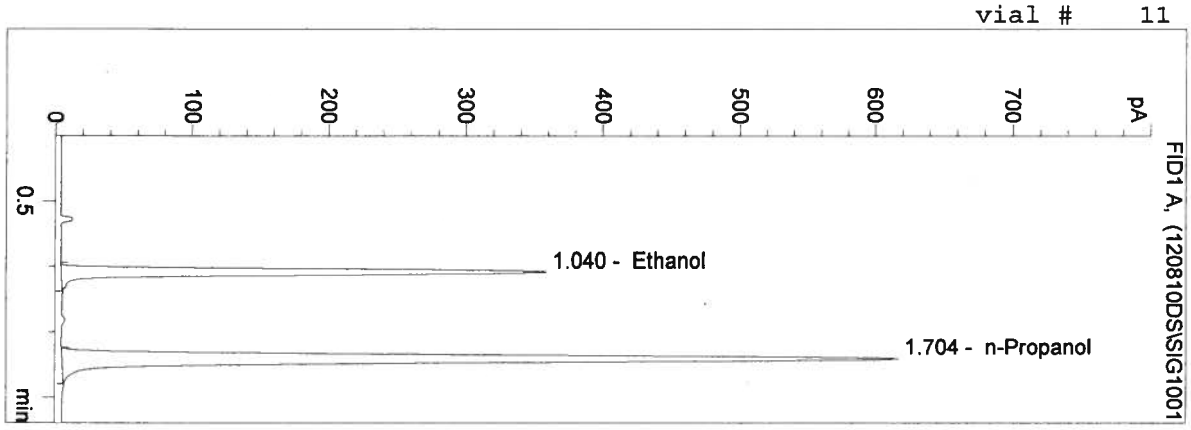
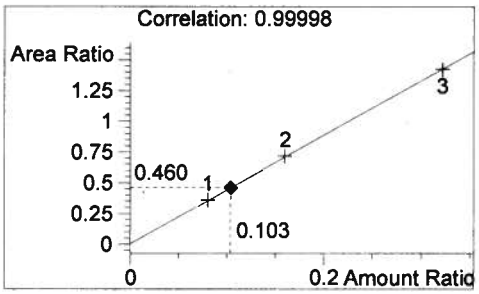
Instrument 1
DB-ALC1

12035 #2
Dawn C Sklerov

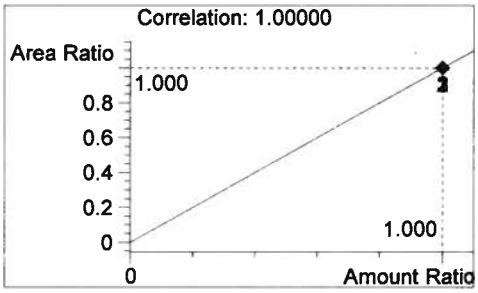
vial # 11



#	Compound	Area	RT
1	Ethanol	1121	1.040
2	n-Propanol	2436	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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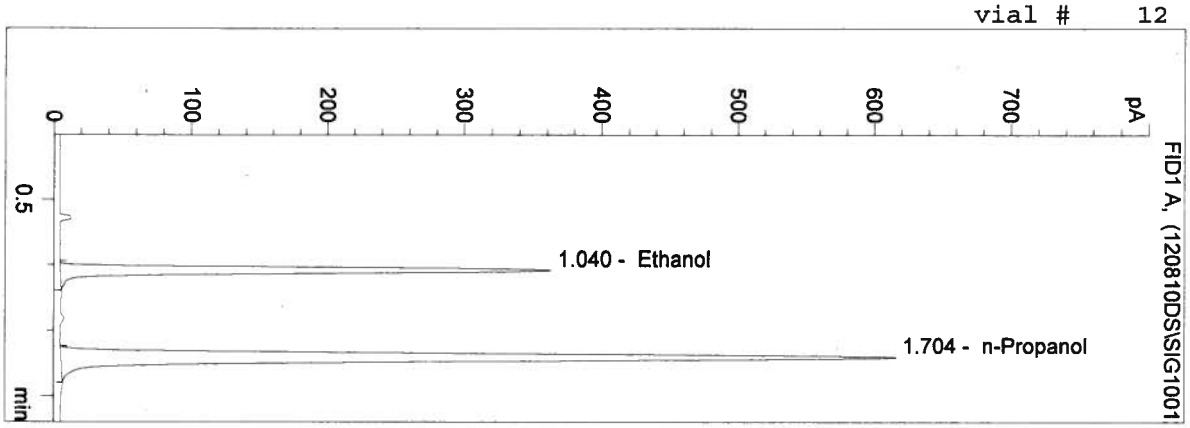
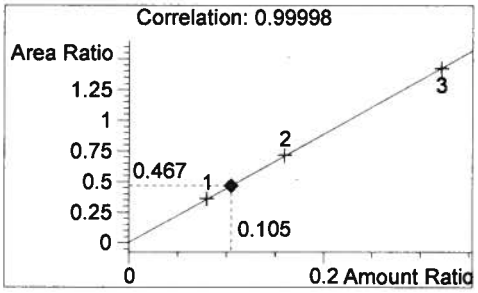
Instrument 1
DB-ALC1

12035 #3
Dawn C Sklerov

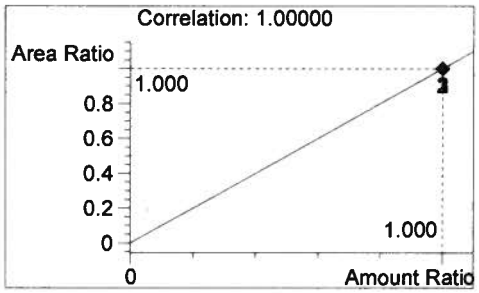
vial # 12



#	Compound	Area	RT
1	Ethanol	1136	1.040
2	n-Propanol	2434	1.704
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

05

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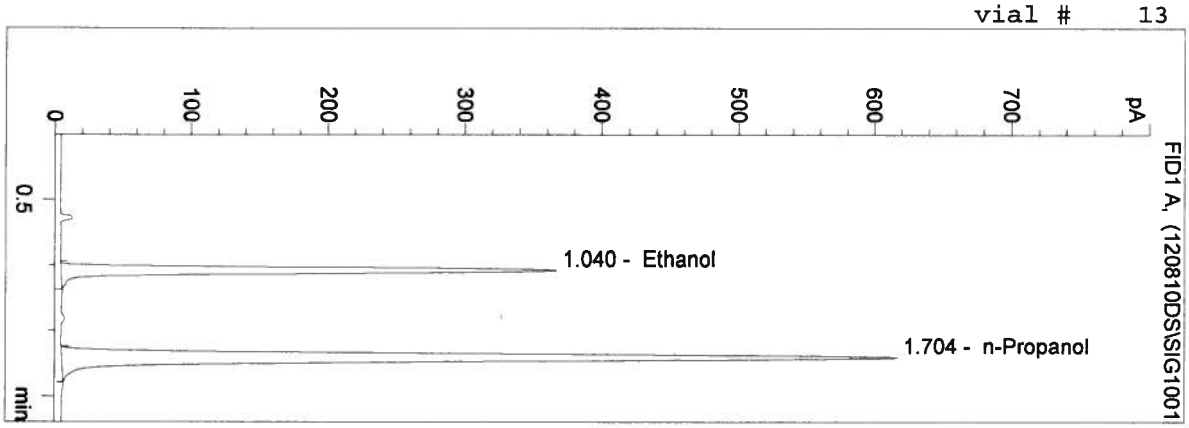
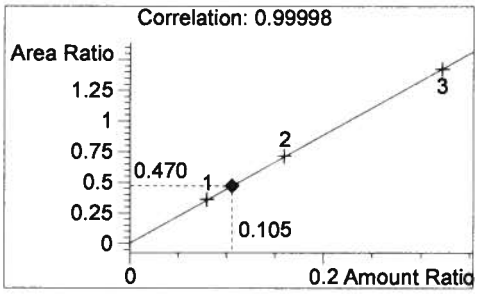
Instrument 1
DB-ALC1

12035 #4
Dawn C Sklerov

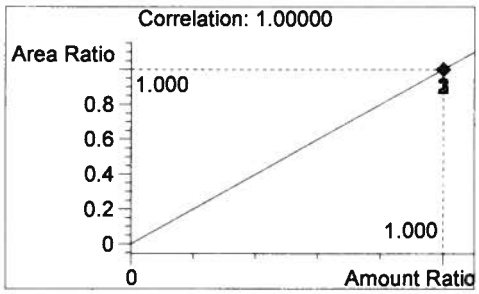
vial # 13



#	Compound	Area	RT
1	Ethanol	1145	1.040
2	n-Propanol	2434	1.704
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

07

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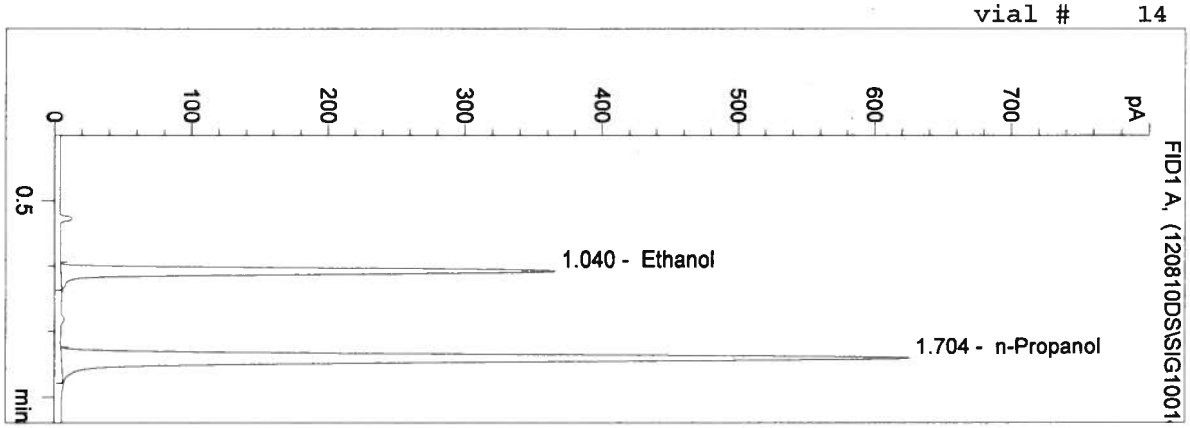
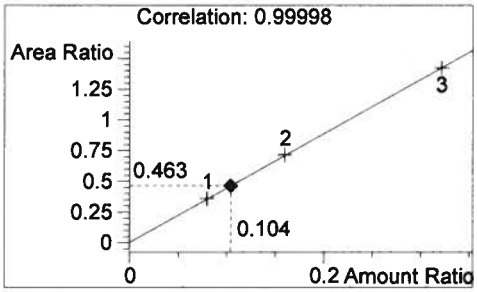
Instrument 1
DB-ALC1

12035 #5
Dawn C Sklerov

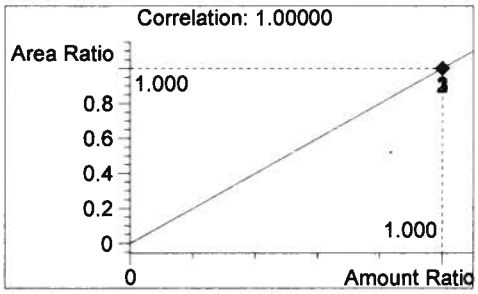
vial # 14



#	Compound	Area	RT
1	Ethanol	1144	1.040
2	n-Propanol	2471	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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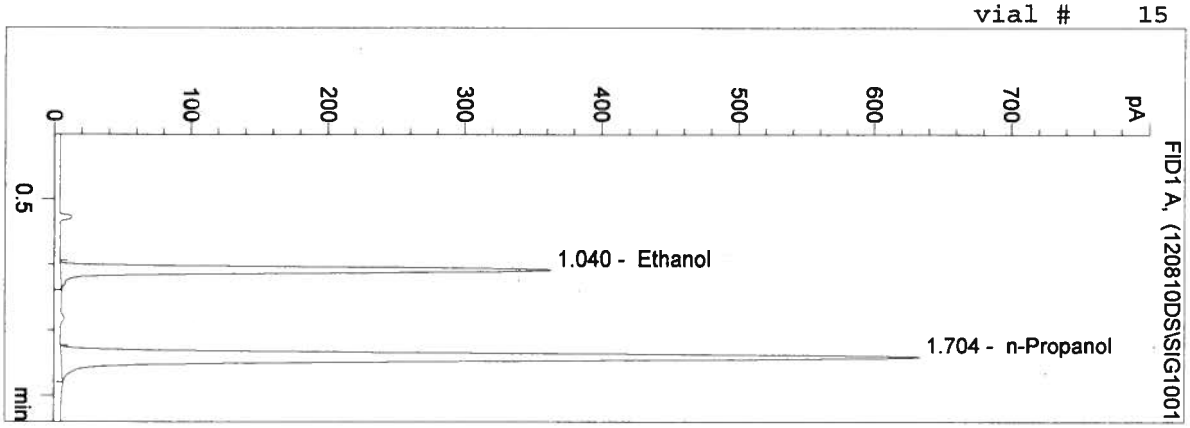
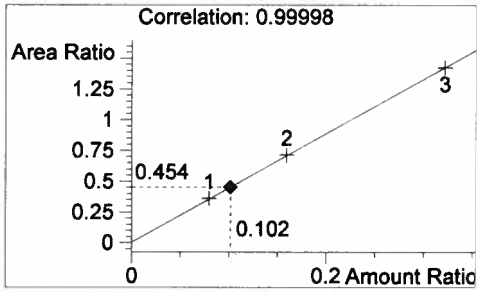
Instrument 1
DB-ALC1

0.10 CTRL-DS
Dawn C Sklerov

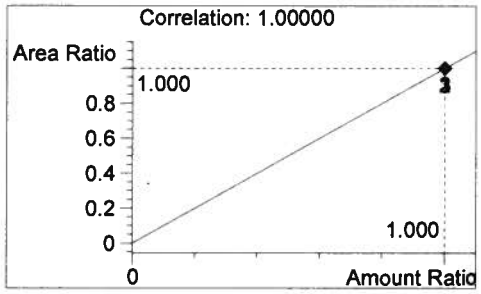
vial # 15



#	Compound	Area	RT
1	Ethanol	1136	1.040
2	n-Propanol	2505	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12035

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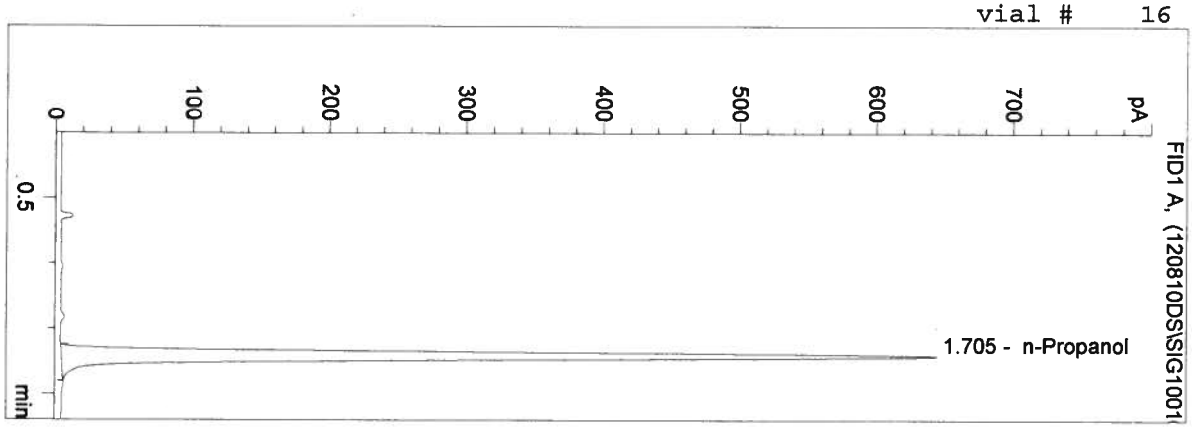
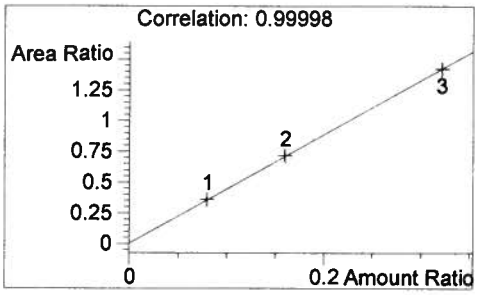
Instrument 1
DB-ALC1

NEG CTRL-DS
Dawn C Sklerov

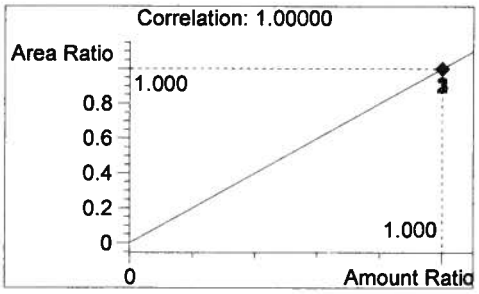
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2551	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12035

D5