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: 12023

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: 05/21/2012
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Sarah Swenson

	SS	DC	BP	RF	AJL	JLK	CSJ	BB
1	0.103	0.103	0.101	0.103	0.100	0.102	0.101	0.102
2	0.103	0.104	0.101	0.103	0.100	0.102	0.102	0.102
3	0.102	0.104	0.101	0.103	0.099	0.102	0.102	0.103
4	0.103	0.104	0.102	0.103	0.099	0.102	0.102	0.102
5	0.103	0.103	0.103	0.103	0.098	0.102	0.102	0.102
C	0.101	0.101	0.102	0.100	0.098	0.100	0.100	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1020 g/100mL
STANDARD DEVIATION: 0.00135
PRECISION CV (%): 1.32
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0829 g/210L**
EXPANDED UNCERTAINTY: ± 0.0034 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton — FS-5 Forensic Scientist Supervisor — 7.17.2012 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
SS	Sarah Swenson		05/21/2012
DC	Dawn Cox		05/21/2012
BP	Brianna Peterson	Brianna Peterson	05/22/2012
RF	Rebecca Flaherty		05/22/2012
AJL	Asa J. Louis		05/24/2012
JLK	Justin L. Knoy		05/30/2012
CSJ	Christopher S. Johnston		05/30/2012
BB	Brittany Ball	Brittany Ball	06/04/2012

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 #: 12023 **Date Prepared:** 5/21/2012

Analyst:	SS	DC	BP	RF	AJL	JLK	CSJ	BB
Date Tested:	5/21/2012	5/21/2012	5/22/2012	5/22/2012	5/24/2012	5/30/2012	5/30/2012	6/4/2012
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.103	0.103	0.101	0.103	0.100	0.102	0.101	0.102
2	0.103	0.104	0.101	0.103	0.100	0.102	0.102	0.102
3	0.102	0.104	0.101	0.103	0.099	0.102	0.102	0.103
4	0.103	0.104	0.102	0.103	0.099	0.102	0.102	0.102
5	0.103	0.103	0.103	0.103	0.098	0.102	0.102	0.102
C	0.101	0.101	0.102	0.100	0.098	0.100	0.100	0.101

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0001748347	0.0001400193	0.0001016326

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

Average Solution Concentration: 0.1020 g/100mL
Standard Deviation: 0.00135 g/100mL
Precision CV (%): 1.32
Equivalent Vapor Concentration: 0.0829 g/210L
Combined Standard Uncertainty (±): 0.0017 g/210L
Expanded Uncertainty (±): 0.0034 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa M. Pemberton [signature] 6.11.2012
Name Signature Date

Calculations verified by: Amanda M. Black [signature] 7-16-12
Name Signature Date

Method: Hand calculation

Technical review of batch file performed by:
Melissa M. Pemberton [signature] 6.27.12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 7-16-12

Location: WSP-FLSB Seattle, WA Solution Batch Number: 12023

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

Comments:

Reviewer Signature: [signature] Date: 7-16-12

Reviewer Signature: N/A [signature] 7-16-12 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]	20120611
Brian Capron		
Brianna Peterson	BP	6/11/12
Brianne O'Reilly		
Brittany Ball	BB	6/11/12
Christie Mitchell-Mata		
Christopher Johnston	CJ	6/14/12
Dawn Sklerov	DS	6.11.12
Justin Knoy	JK	6.11.12
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	6.11.12
Sarah Swenson	SMS	6/11/12

Batch # 12023

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 12023

I, Sarah M. Swenson, 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 Chemistry and over nine years of experience in forensic toxicology.

The external standard solution, Lot Number 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

6/11/12

Sarah M. Swenson — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12023

I, Dawn Cox, 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 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

Dawn C Shk 6.11.12

Dawn Cox Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12023

I, Brianna Peterson, 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 Chemistry, MS degree in Forensic Science, and Ph.D. degree in Toxicology.

The external standard solution, Lot Number 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

Brianna Peterson 6/11/12

Brianna Peterson Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12023

I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The external standard solution, Lot Number 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

6.11.2012

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

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Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12023

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 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

2012 JUN 11

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 12023

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 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

6-11-12

Justin L. Knoy — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12023

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 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

6/14/2012

Christopher S. Johnston — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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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 12023

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 12023, was prepared in the Washington State Toxicology Laboratory on 5/21/2012. 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 5/21/2013.

Seattle, WA

Brittany Ball 6/11/12

Brittany Ball 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: 5/21/12 Initials of Preparer: SMS

Expiration Date: 5/21/13

Lot # of 200-proof Ethanol used in preparation: ZW0039

Date the 200-proof Ethanol bottle was opened: 5/15/12

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	☑	12023

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 5/21/12 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:

Analyst Signature

5/21/12 Date

Sequence Parameters:

Operator:	Sarah Swenson
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:	120521S2
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 # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	0.079 Calibrator - Lot # E0412-01 - exp 7/11/12
3	Vial 3	0.158 Calibrator - Lot # E0412-02 - exp 7/11/12
4	Vial 4	0.316 Calibrator - Lot # E0412-03 - exp 7/11/12
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	

SMS

12023

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

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-SS	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-SS	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-SS	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-SS	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-SS	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		
10	Vial 10	12023 #1	SIMALC1	1	Sample		
11	Vial 11	12023 #2	SIMALC1	1	Sample		
12	Vial 12	12023 #3	SIMALC1	1	Sample		
13	Vial 13	12023 #4	SIMALC1	1	Sample		
14	Vial 14	12023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-SS	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-SS	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!

SJS

12023

Calibration Table

Calib. Data Modified : Monday, May 21, 2012 10:36:57 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	7.91800e-2	1018.34625	7.77535e-5	1		Ethanol
		2	1.59320e-1	1999.26282	7.96894e-5			
		3	3.16260e-1	3970.48291	7.96528e-5			
1.707	1	1	1.00000	2813.88354	3.55381e-4	I1		n-Propanol
		2	1.00000	2790.54932	3.58352e-4			
		3	1.00000	2784.85620	3.59085e-4			

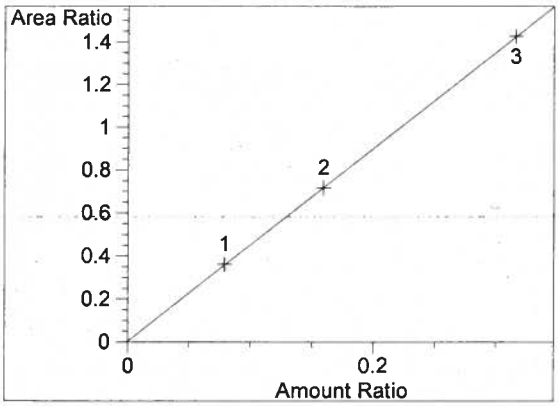
Peak Sum Table

No Entries in table

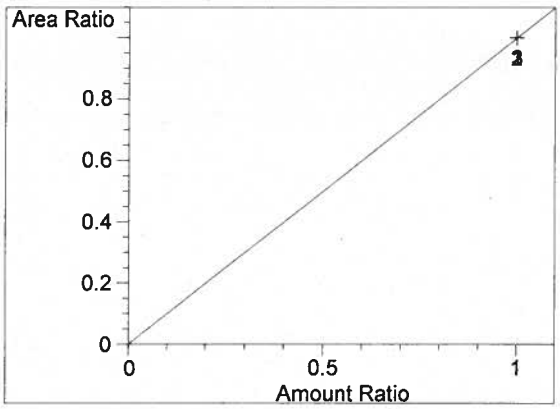
SJS

12023

Calibration Curves



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00341
Formula: y = mx + b
m: 4.50207
b: 1.62793e-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

SLS

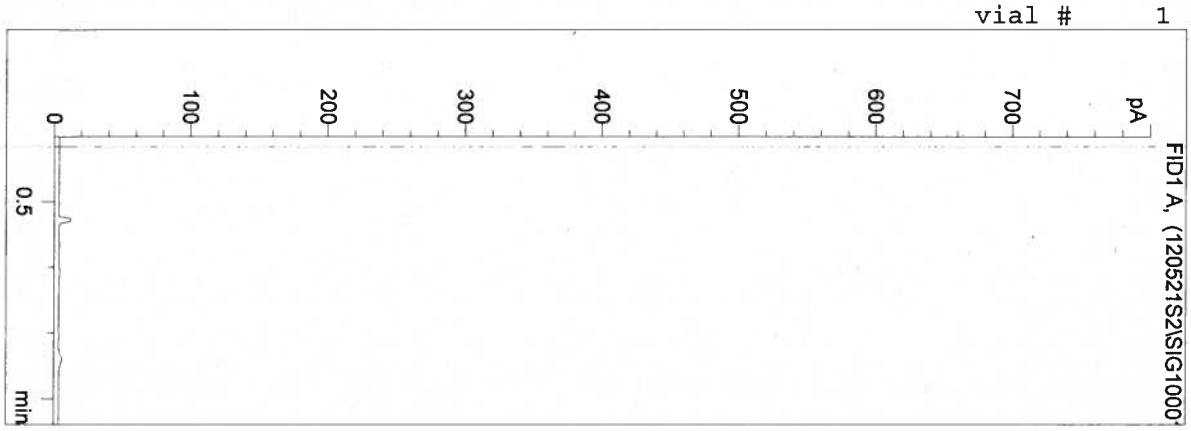
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

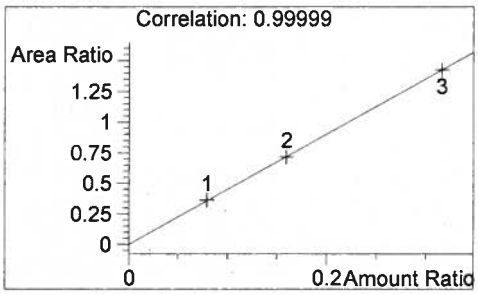
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:25:30 AM
Instrument 1
DB-ALC1

BLANK-SS
Sarah Swenson

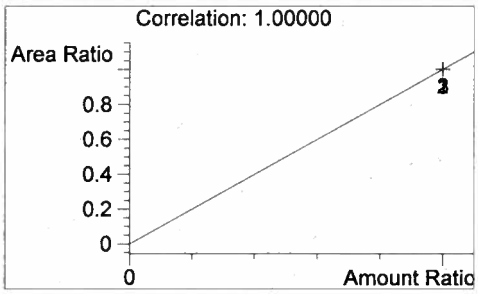
vial # 1



#	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

SJS

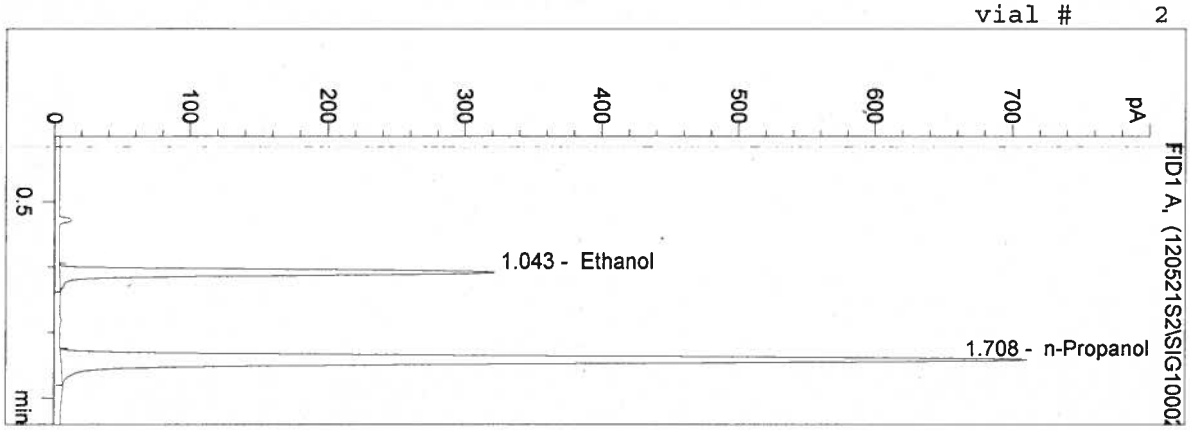
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

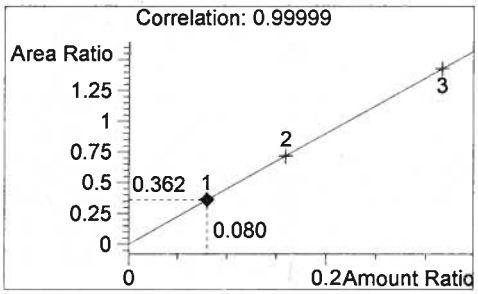
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:28:34 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

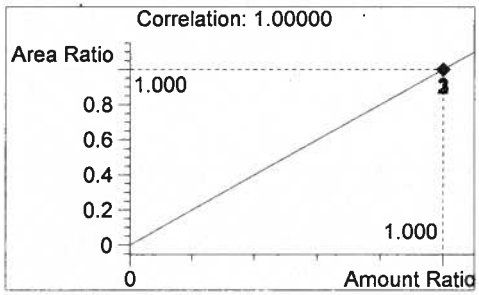
vial # 2



#	Compound	Area	RT
1	Ethanol	1018	1.043
2	n-Propanol	2814	1.708
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

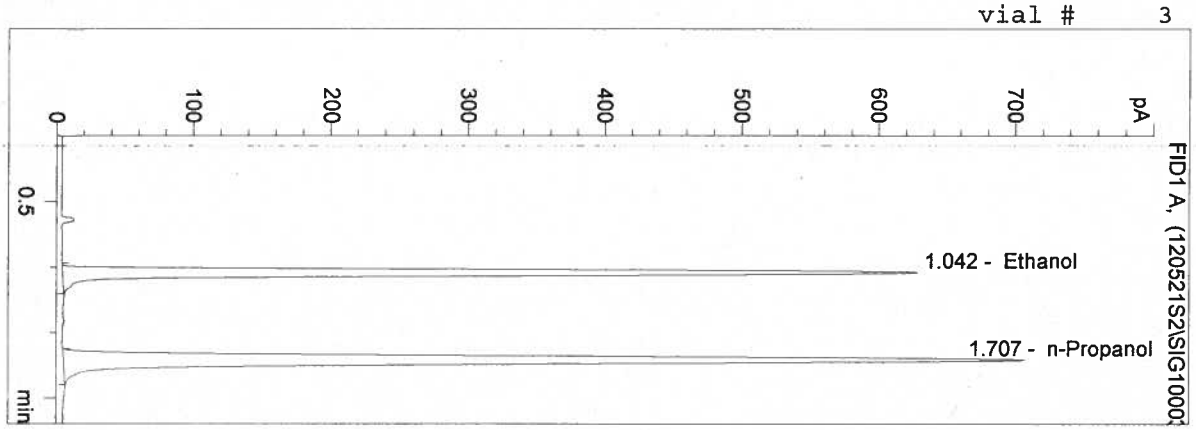
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

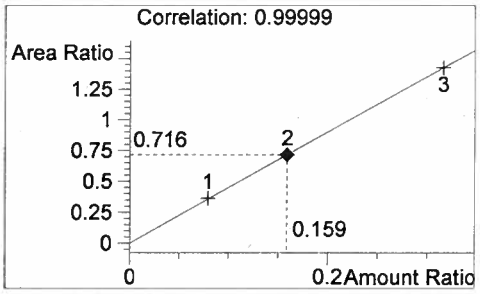
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:31:39 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

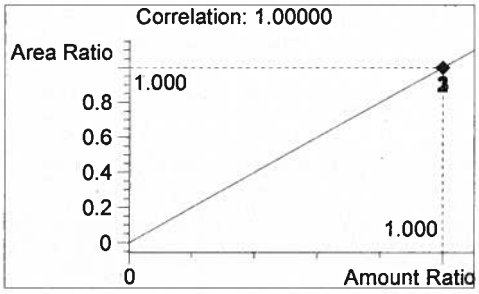
vial # 3



#	Compound	Area	RT
1	Ethanol	1999	1.042
2	n-Propanol	2791	1.707
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

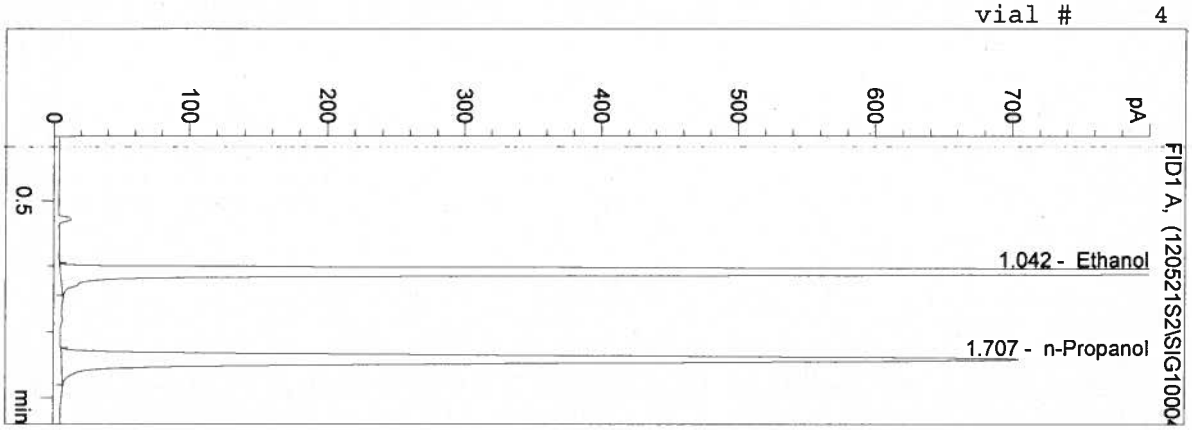
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

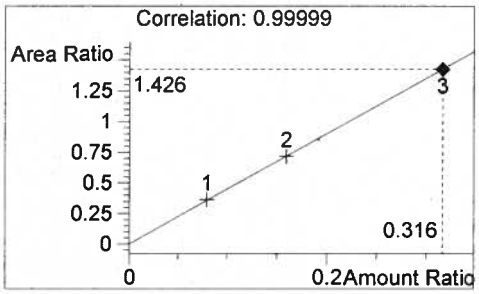
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:34:44 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

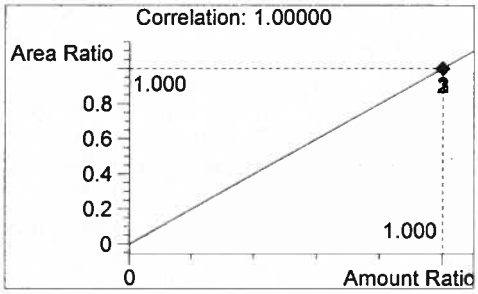
vial # 4



#	Compound	Area	RT
1	Ethanol	3970	1.042
2	n-Propanol	2785	1.707
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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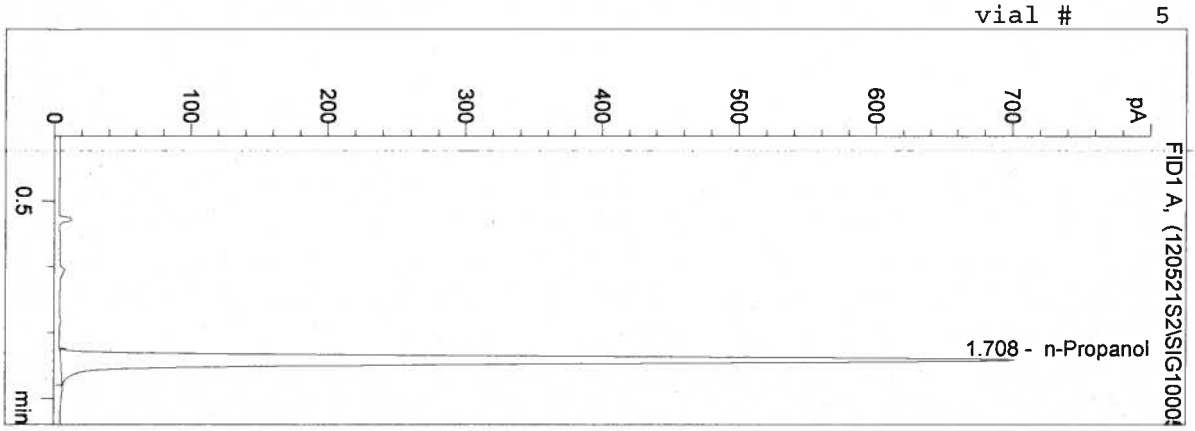
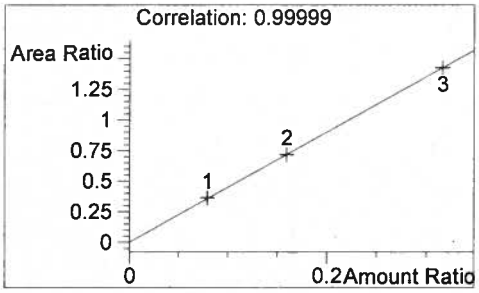
5/21/2012 10:37:49 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

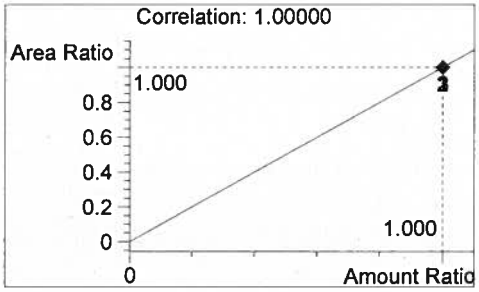
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2779	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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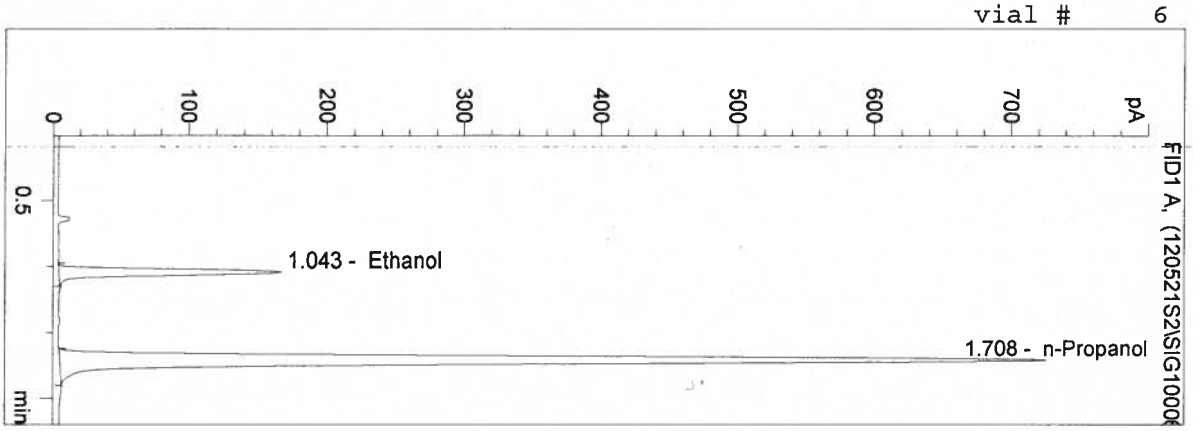
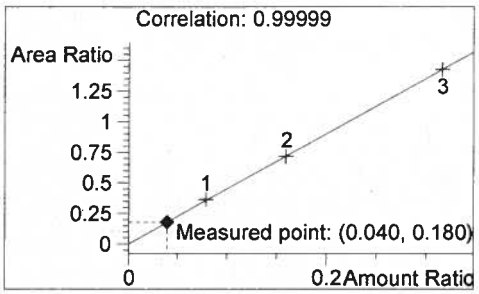
5/21/2012 10:40:54 AM
Instrument 1
DB-ALC1

0.04 CTRL-SS
Sarah Swenson

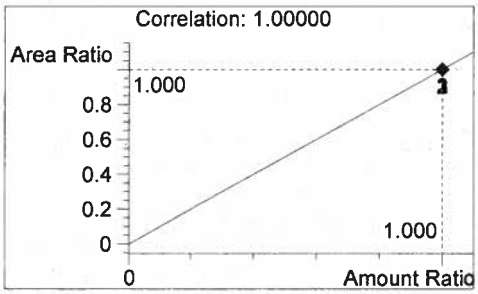
vial # 6



#	Compound	Area	RT
1	Ethanol	516	1.043
2	n-Propanol	2871	1.708
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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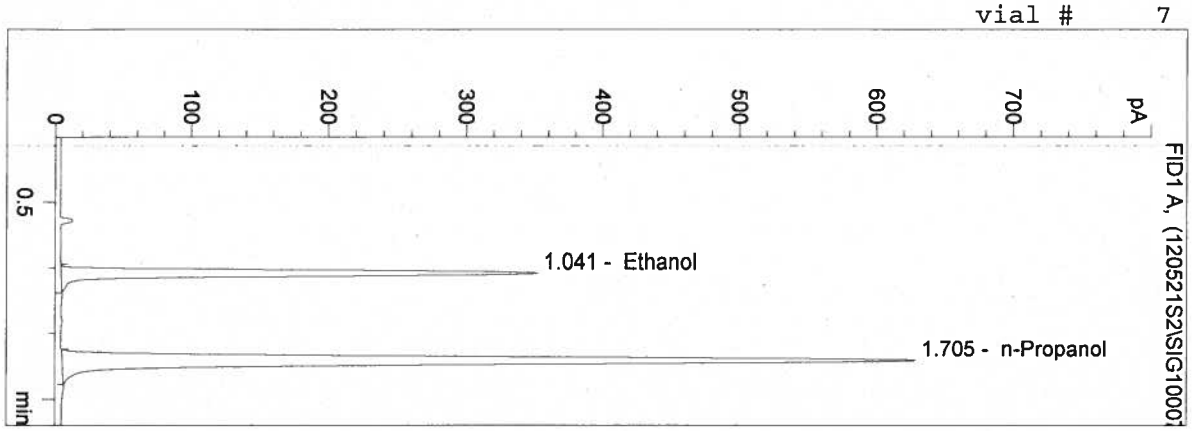
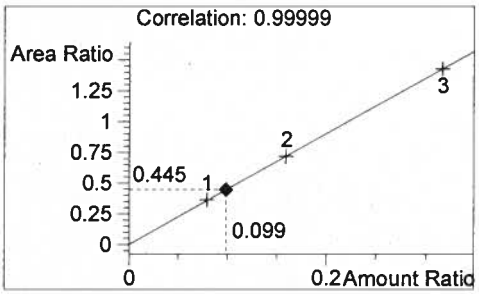
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:43:58 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

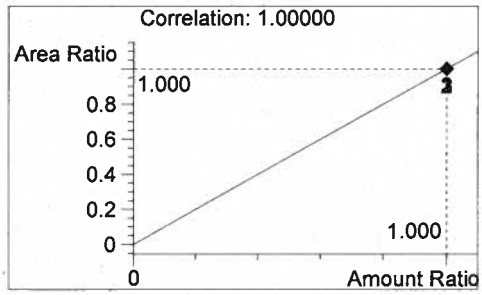
vial # 7



#	Compound	Area	RT
1	Ethanol	1102	1.041
2	n-Propanol	2475	1.705
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

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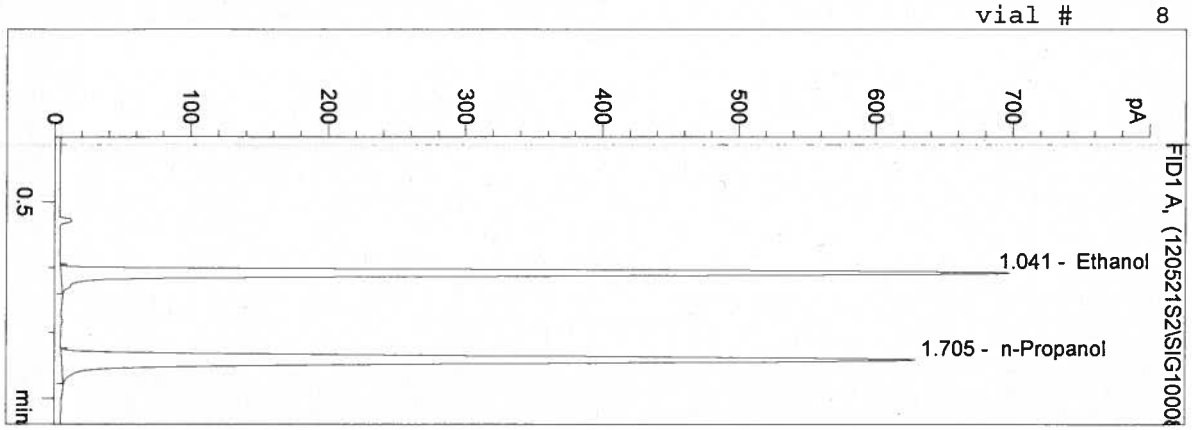
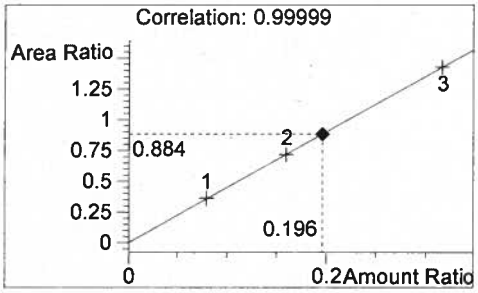
5/21/2012 10:47:03 AM
Instrument 1
DB-ALC1

0.20 CTRL-SS
Sarah Swenson

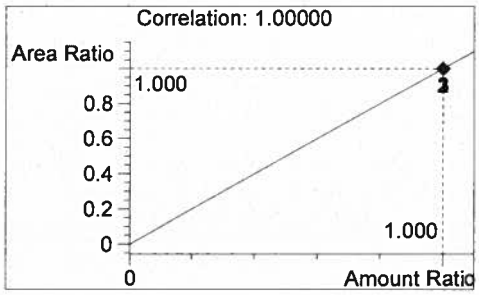
vial # 8



#	Compound	Area	RT
1	Ethanol	2186	1.041
2	n-Propanol	2472	1.705
Tot			



Ethanol 0.196 g/100 mL



n-Propanol 1.000 g/100 mL

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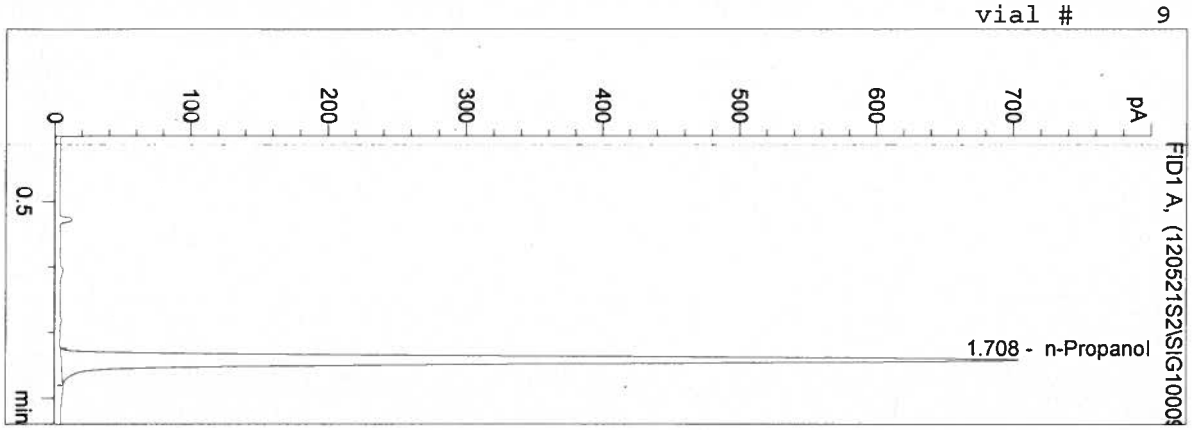
WASHINGTON STATE TOXICOLOGY LABORATORY

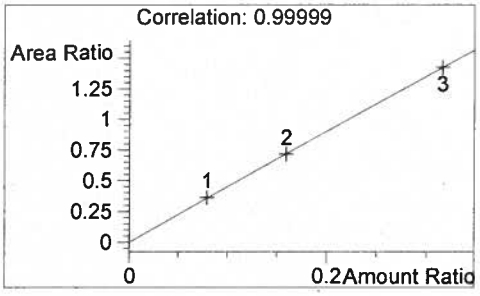
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:50:08 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

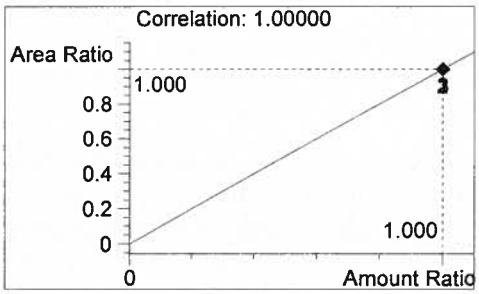
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2791	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

SLS

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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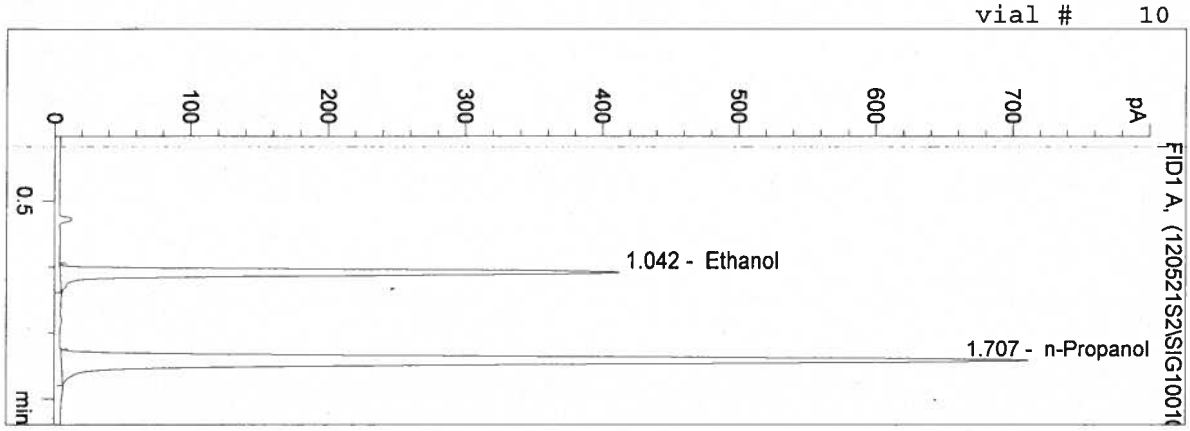
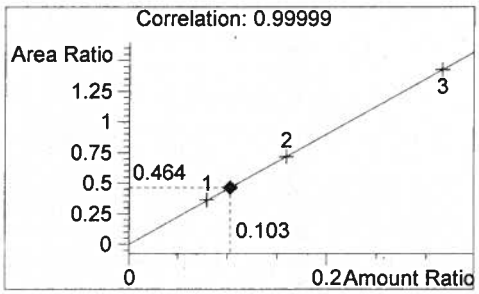
5/21/2012 10:53:13 AM
Instrument 1
DB-ALC1

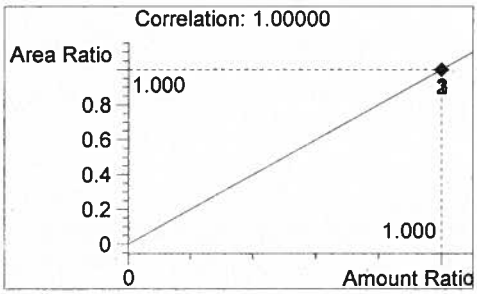
12023 #1
Sarah Swenson
vial # 10



#	Compound	Area	RT
1	Ethanol	1306	1.042
2	n-Propanol	2814	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

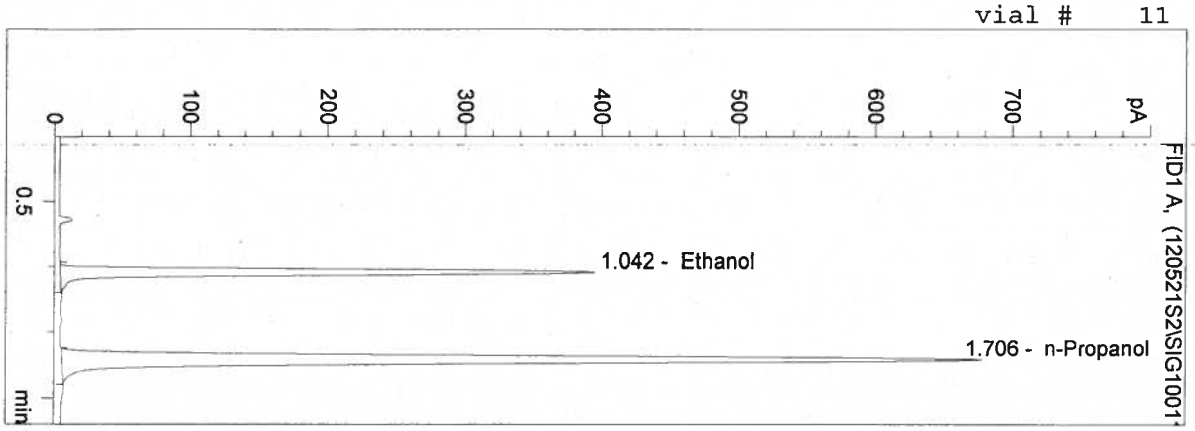
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

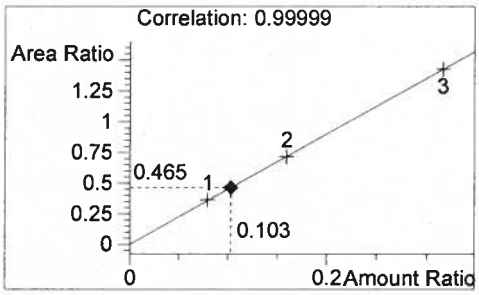
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:56:17 AM
Instrument 1
DB-ALC1

12023 #2
Sarah Swenson

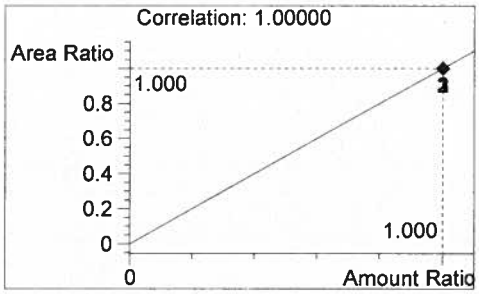
vial # 11



#	Compound	Area	RT
1	Ethanol	1244	1.042
2	n-Propanol	2678	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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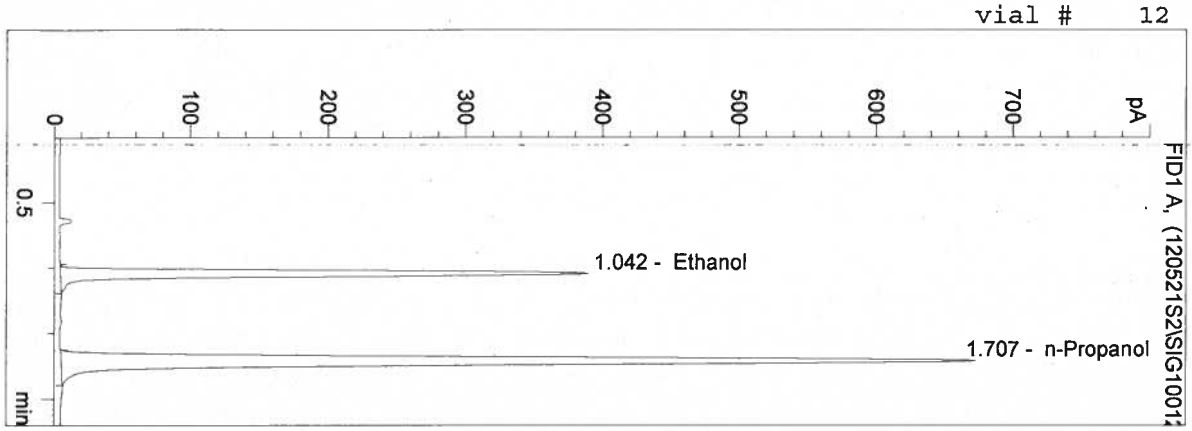
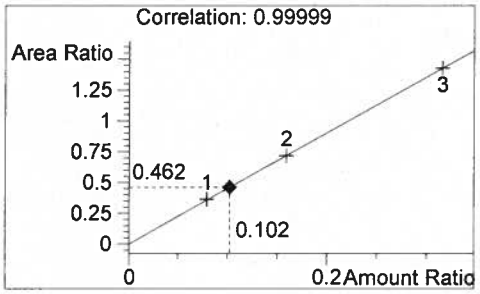
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 10:59:22 AM
Instrument 1
DB-ALC1

12023 #3
Sarah Swenson

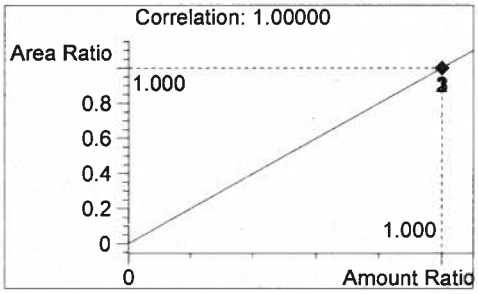
vial # 12



#	Compound	Area	RT
1	Ethanol	1229	1.042
2	n-Propanol	2659	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

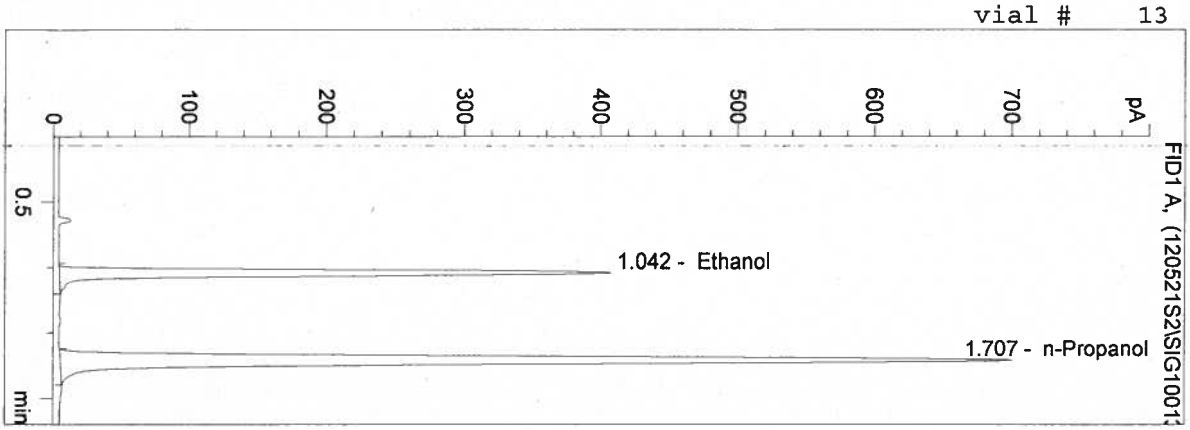
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

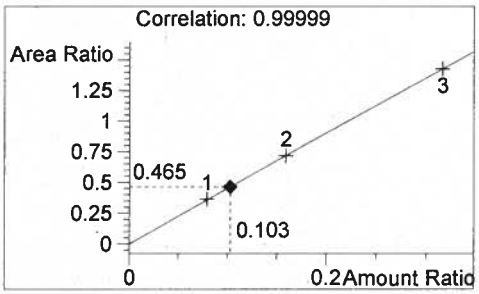
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 11:02:27 AM
Instrument 1
DB-ALC1

12023 #4
Sarah Swenson

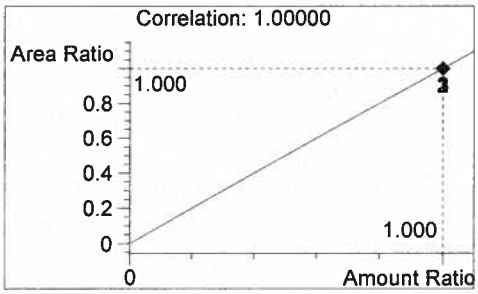
vial # 13



#	Compound	Area	RT
1	Ethanol	1286	1.042
2	n-Propanol	2765	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

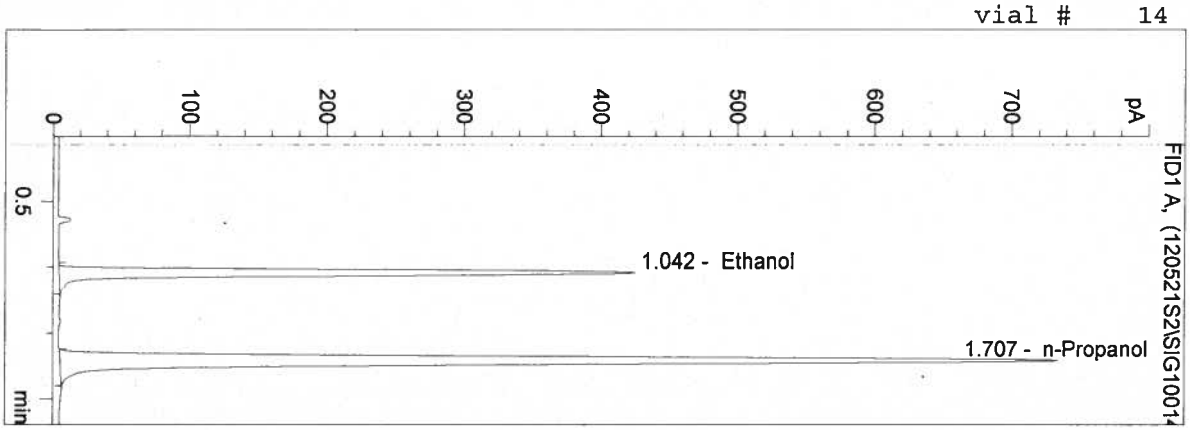
SJS

WASHINGTON STATE TOXICOLOGY LABORATORY

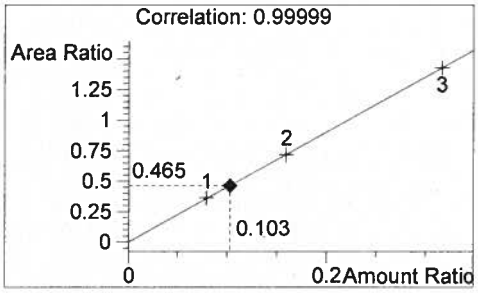
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 11:05:31 AM
Instrument 1
DB-ALC1

12023 #5
Sarah Swenson

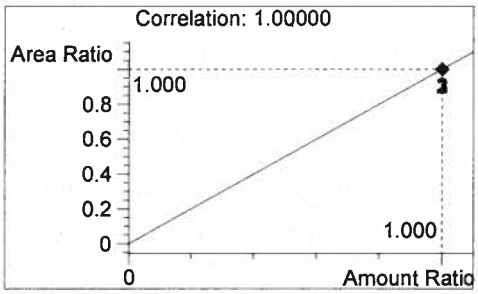
vial # 14



#	Compound	Area	RT
1	Ethanol	1351	1.042
2	n-Propanol	2904	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

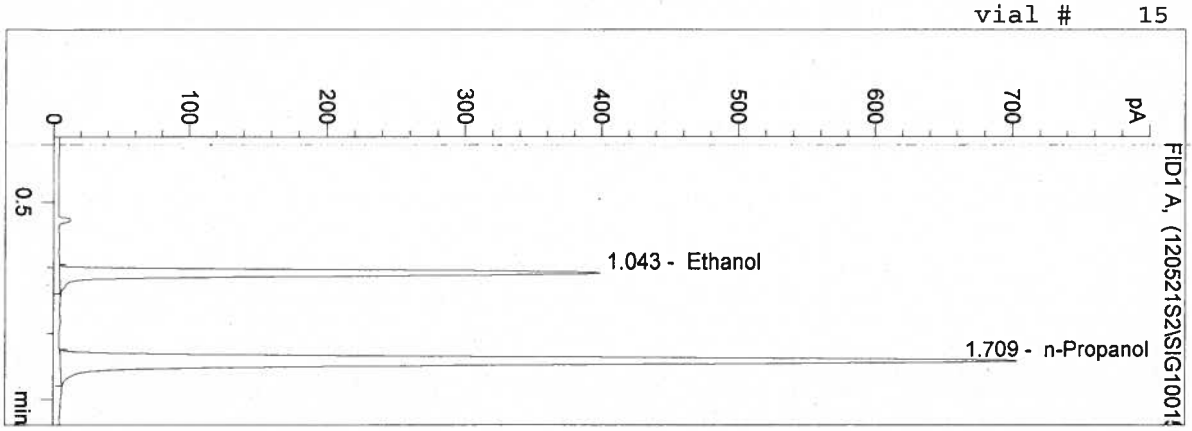
SVS

WASHINGTON STATE TOXICOLOGY LABORATORY

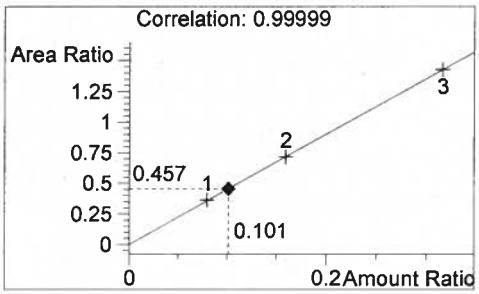
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 11:08:36 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

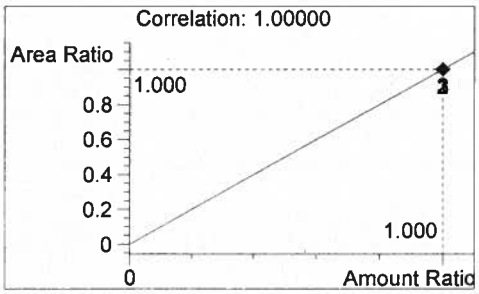
vial # 15



#	Compound	Area	RT
1	Ethanol	1276	1.043
2	n-Propanol	2792	1.709
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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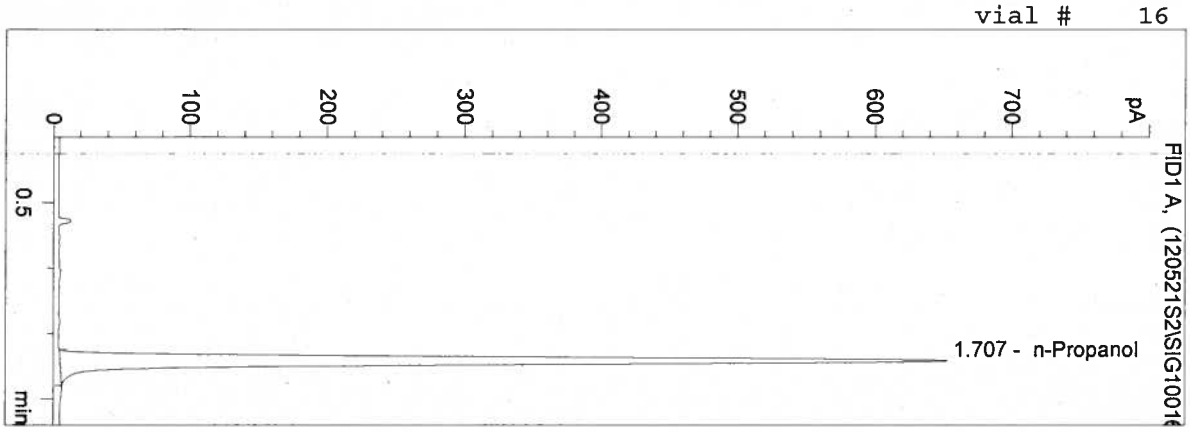
WASHINGTON STATE TOXICOLOGY LABORATORY

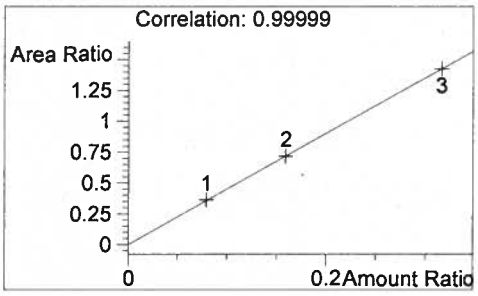
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 11:11:41 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

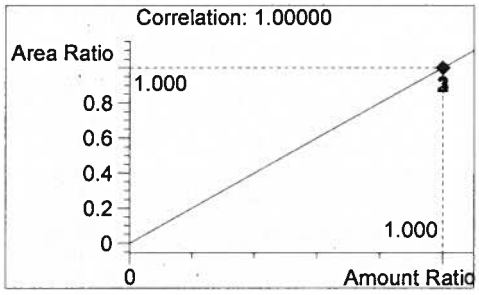
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2582	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

12023

Sequence Parameters:

Operator:	Dawn Cox
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:	120521DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 Lot# E0412-01 Exp 07/11/2012
Cal 2 Lot# E0412-02 Exp 07/11/2012
Cal 3 Lot# E0412-03 Exp 07/11/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E0412-01
3	Vial 3	Lot# E0412-02
4	Vial 4	Lot# E0412-03
5	Vial 5	
6	Vial 6	Lot# A077459
7	Vial 7	Lot# A083355
8	Vial 8	Lot# A076521
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12023

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-DC	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DC	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DC	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DC	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		
10	Vial 10	12023 #1	SIMALC1	1	Sample		
11	Vial 11	12023 #2	SIMALC1	1	Sample		
12	Vial 12	12023 #3	SIMALC1	1	Sample		
13	Vial 13	12023 #4	SIMALC1	1	Sample		
14	Vial 14	12023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-DC	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-DC	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!

12023

Calibration Table

Calib. Data Modified : Monday, May 21, 2012 2:34:47 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
1.041	1	1	7.91800e-2	874.28870	9.05651e-5	1		Ethanol
		2	1.59320e-1	1792.31396	8.88907e-5			
		3	3.16260e-1	3433.20898	9.21179e-5			
1.704	1	1	1.00000	2467.16797	4.05323e-4	I1		n-Propanol
		2	1.00000	2523.82642	3.96224e-4			
		3	1.00000	2458.52930	4.06747e-4			

Peak Sum Table

No Entries in table

12023

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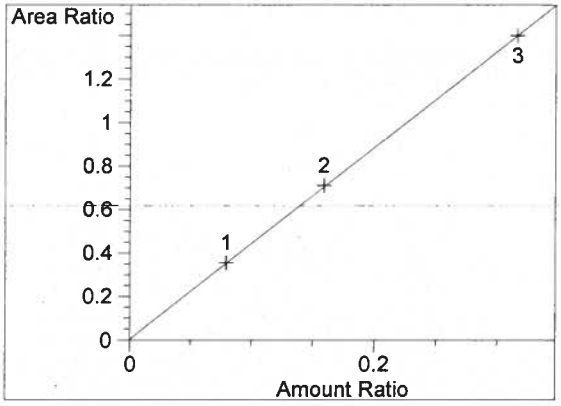
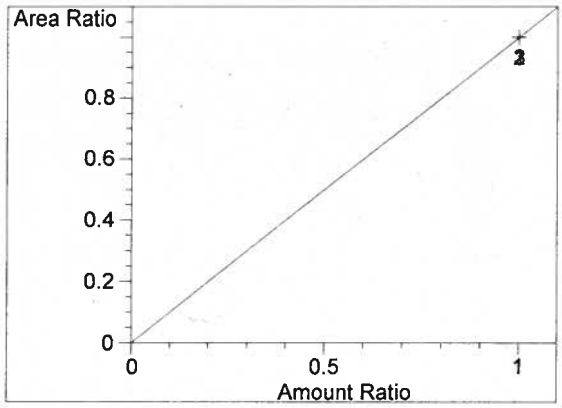
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00413
Formula: y = mx + b
m: 4.41286
b: 3.22414e-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

==========

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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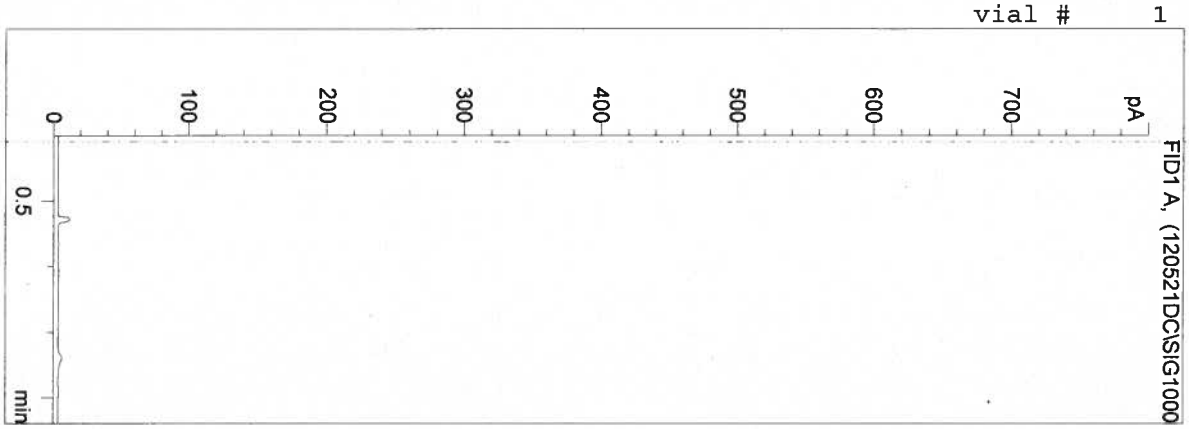
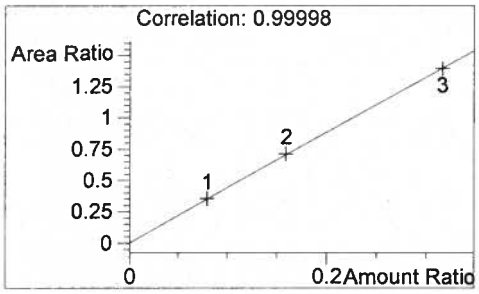
5/21/2012 2:23:20 PM
Instrument 1
DB-ALC1

BLANK
Dawn Cox

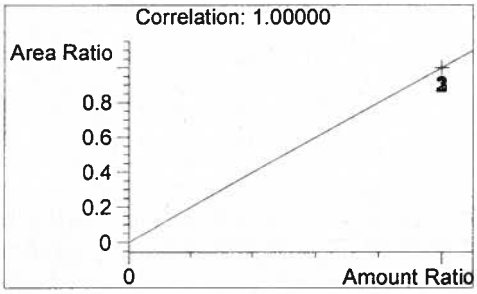
vial # 1



#	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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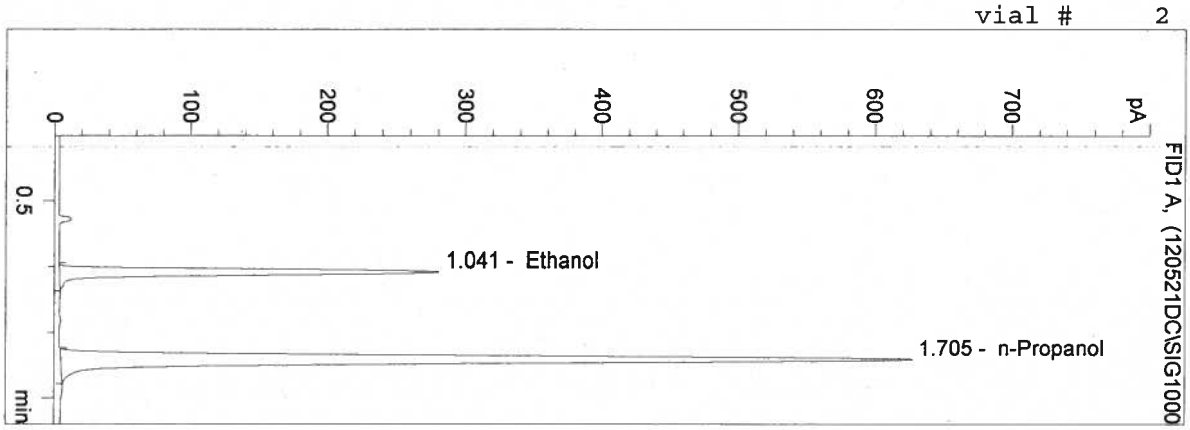
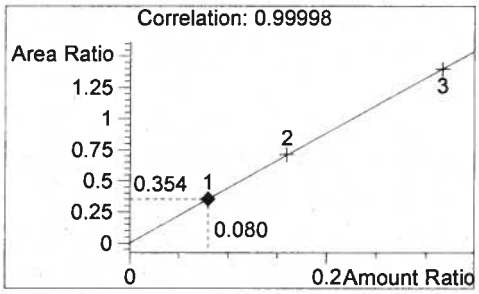
Instrument 1
DB-ALC1

0.079 CAL 1
Dawn Cox

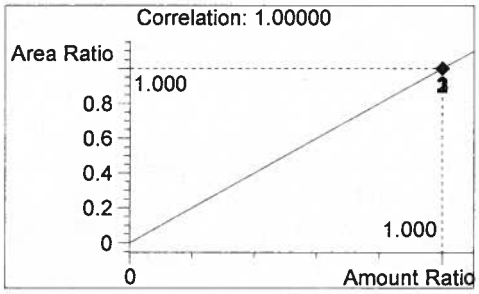
vial # 2



#	Compound	Area	RT
1	Ethanol	874	1.041
2	n-Propanol	2467	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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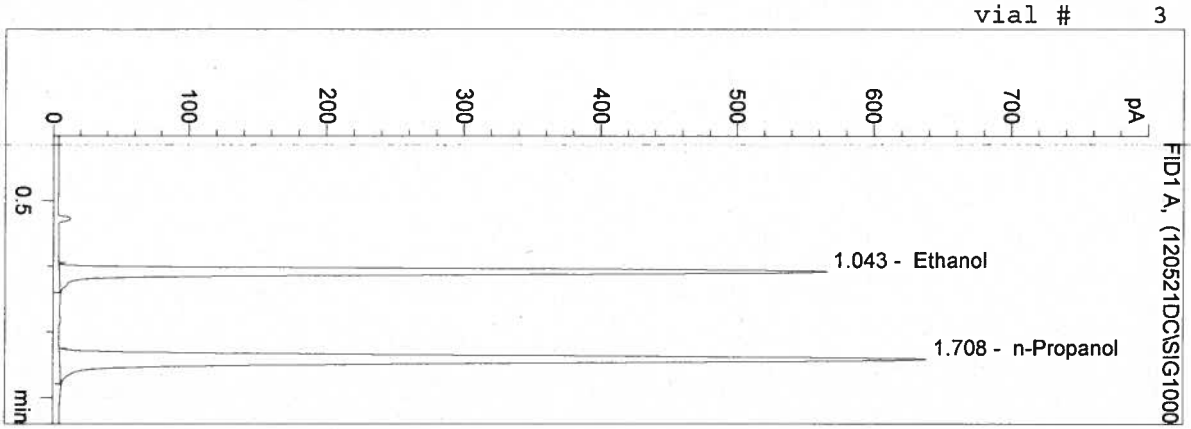
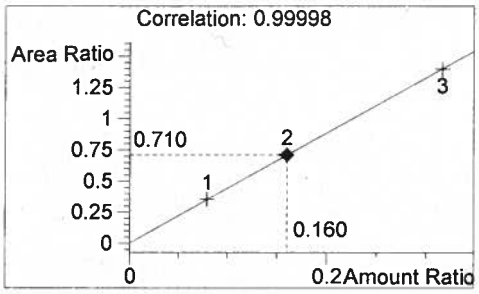
Instrument 1
DB-ALC1

0.158 CAL 2
Dawn Cox

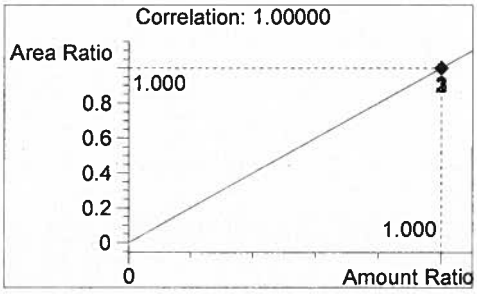
vial # 3



#	Compound	Area	RT
1	Ethanol	1792	1.043
2	n-Propanol	2524	1.708
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

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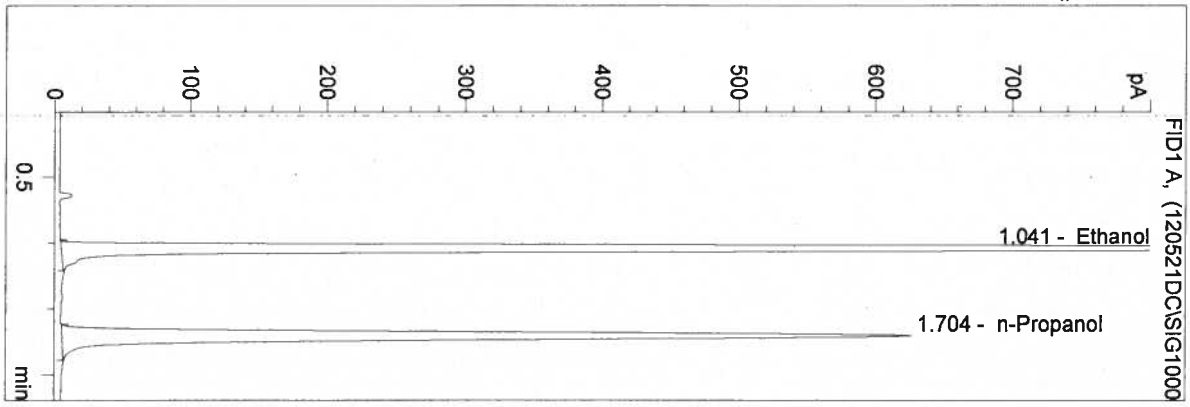
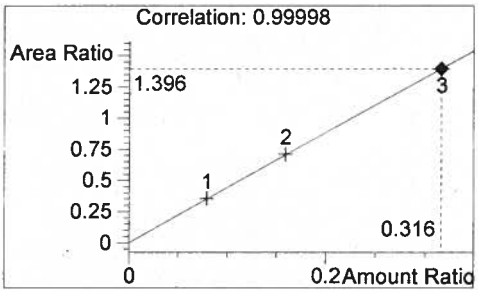
Instrument 1
DB-ALC1

0.316 CAL 3
Dawn Cox

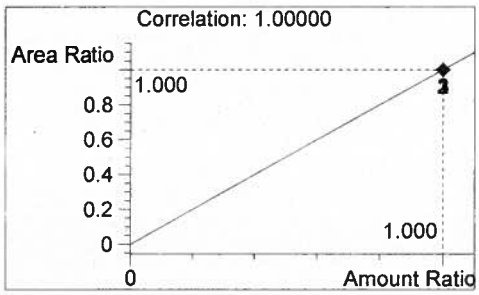
vial # 4



#	Compound	Area	RT
1	Ethanol	3433	1.041
2	n-Propanol	2459	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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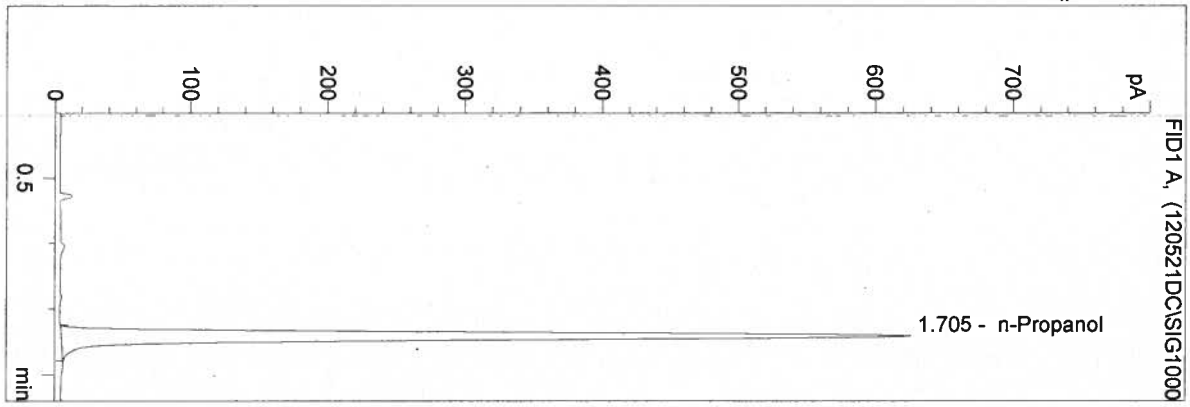
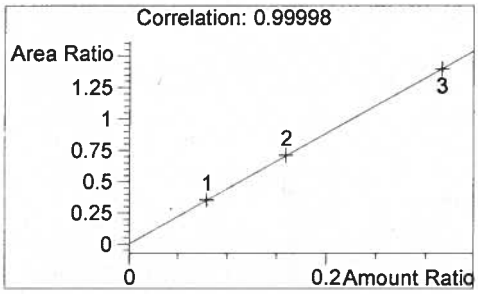
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

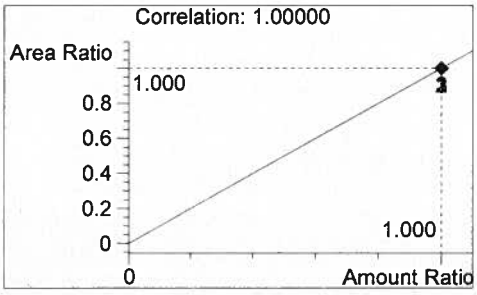
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2461	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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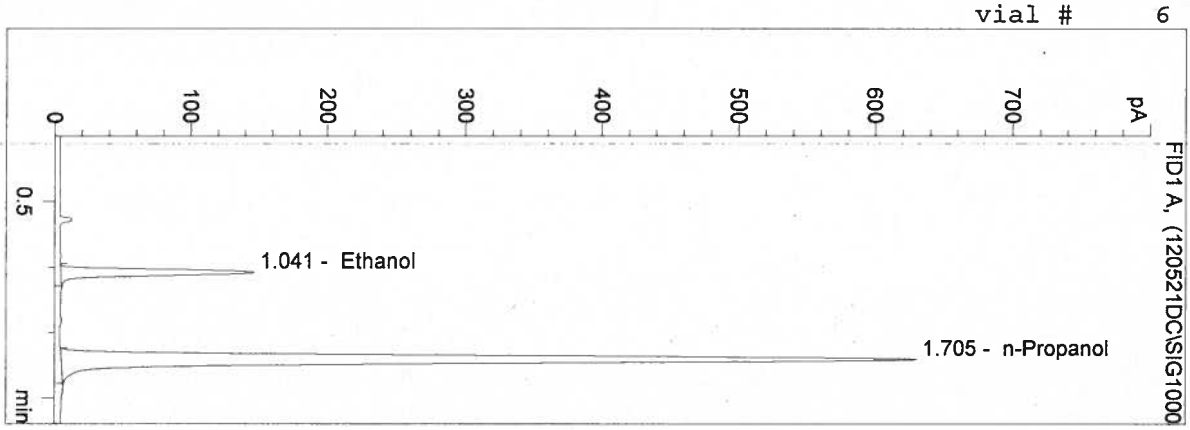
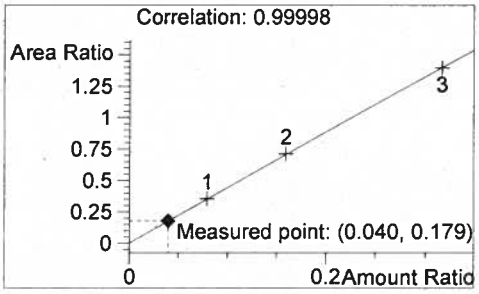
Instrument 1
DB-ALC1

0.04 CTRL-DC
Dawn Cox

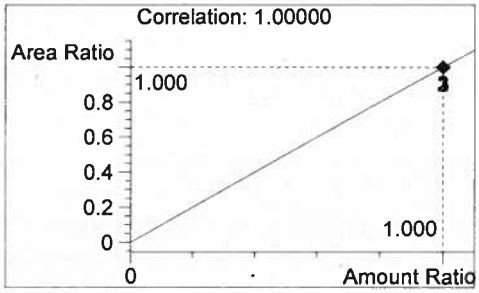
vial # 6



#	Compound	Area	RT
1	Ethanol	444	1.041
2	n-Propanol	2478	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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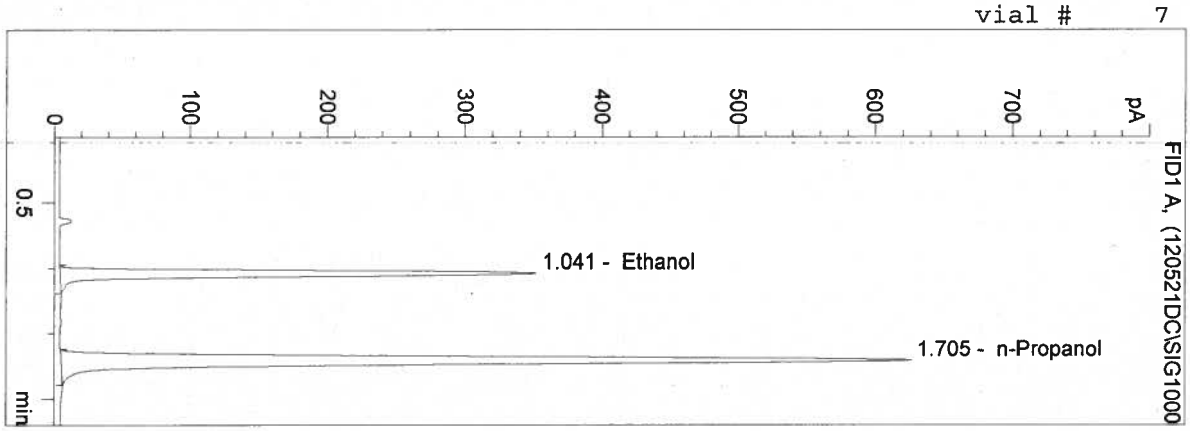
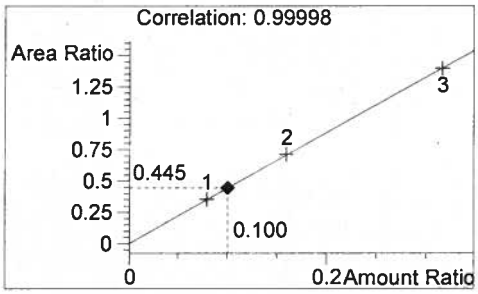
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

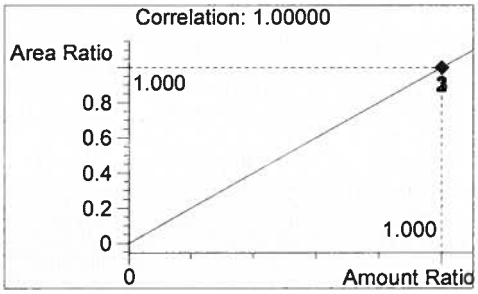
vial # 7



#	Compound	Area	RT
1	Ethanol	1097	1.041
2	n-Propanol	2464	1.705
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12023

DC

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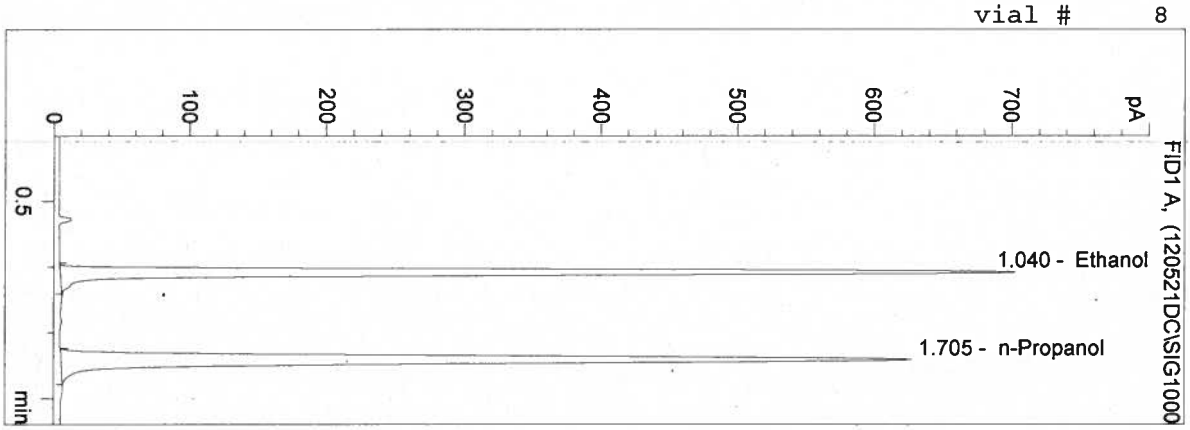
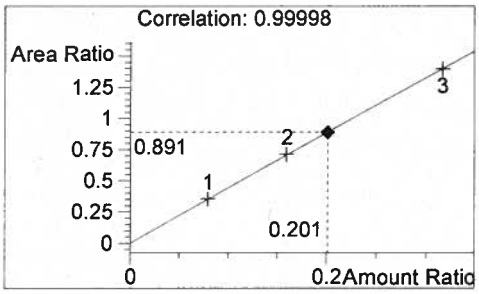
Instrument 1
DB-ALC1

0.20 CTRL-DC
Dawn Cox

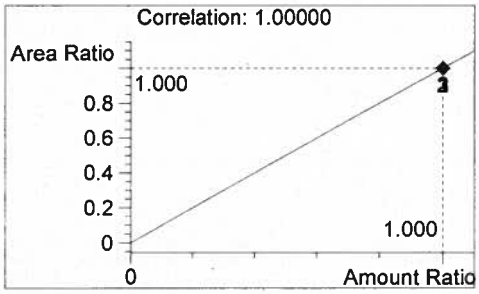
vial # 8



#	Compound	Area	RT
1	Ethanol	2200	1.040
2	n-Propanol	2469	1.705
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

12023

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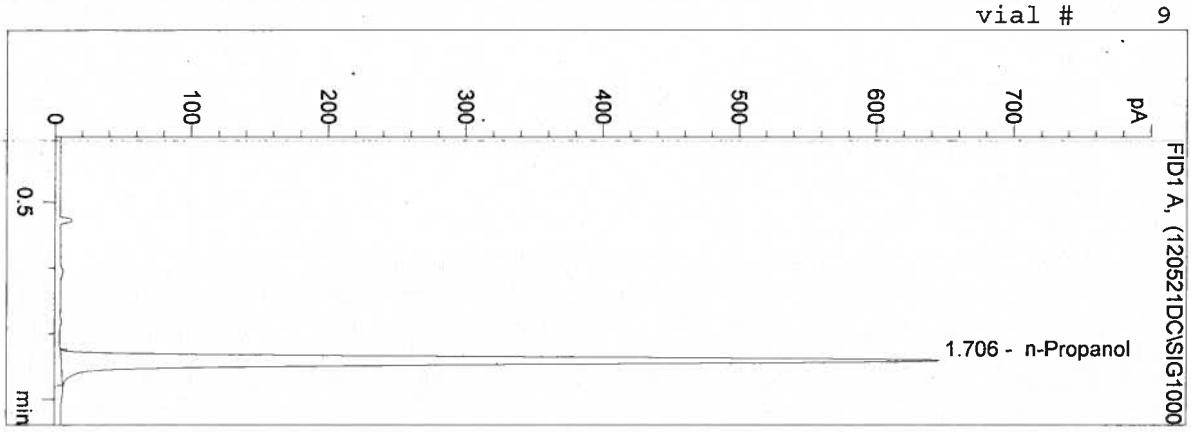
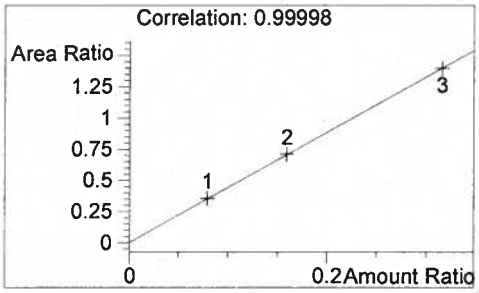
5/21/2012 2:47:58 PM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

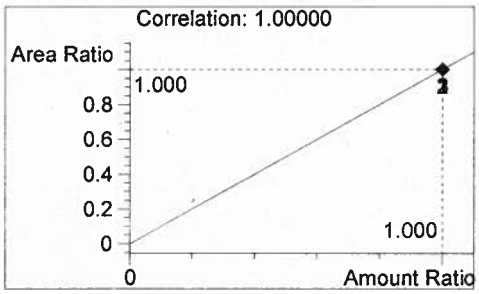
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2545	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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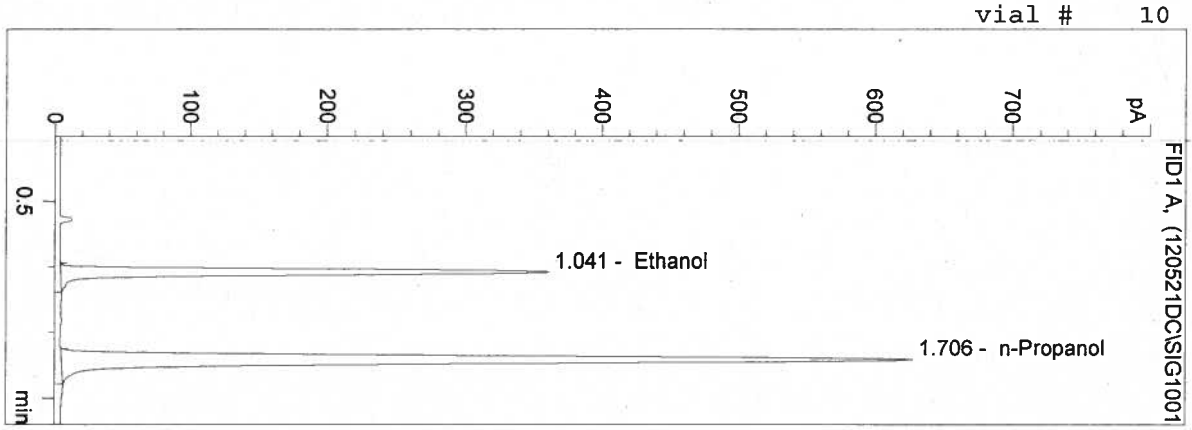
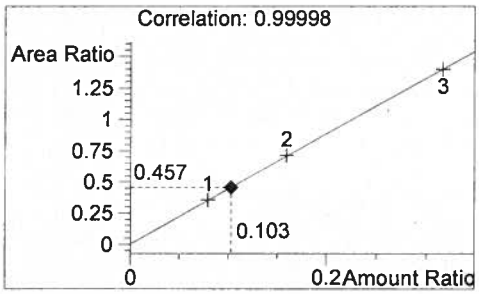
5/21/2012 2:51:02 PM
Instrument 1
DB-ALC1

12023 #1
Dawn Cox

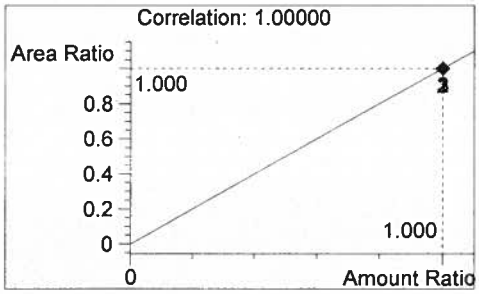
vial # 10



#	Compound	Area	RT
1	Ethanol	1130	1.041
2	n-Propanol	2475	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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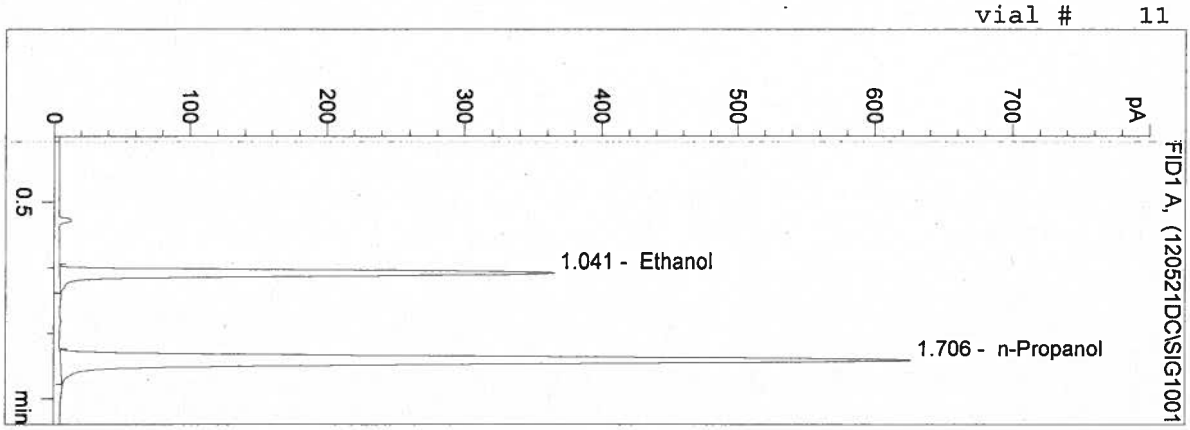
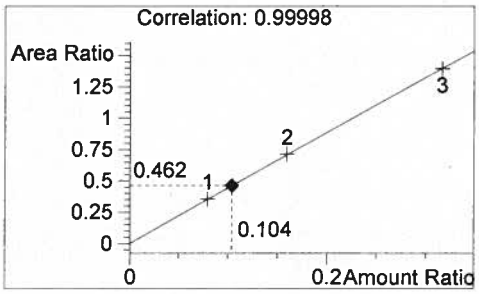
5/21/2012 2:54:07 PM
Instrument 1
DB-ALC1

12023 #2
Dawn Cox

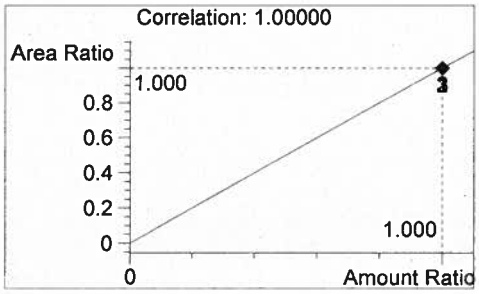
vial # 11



#	Compound	Area	RT
1	Ethanol	1141	1.041
2	n-Propanol	2470	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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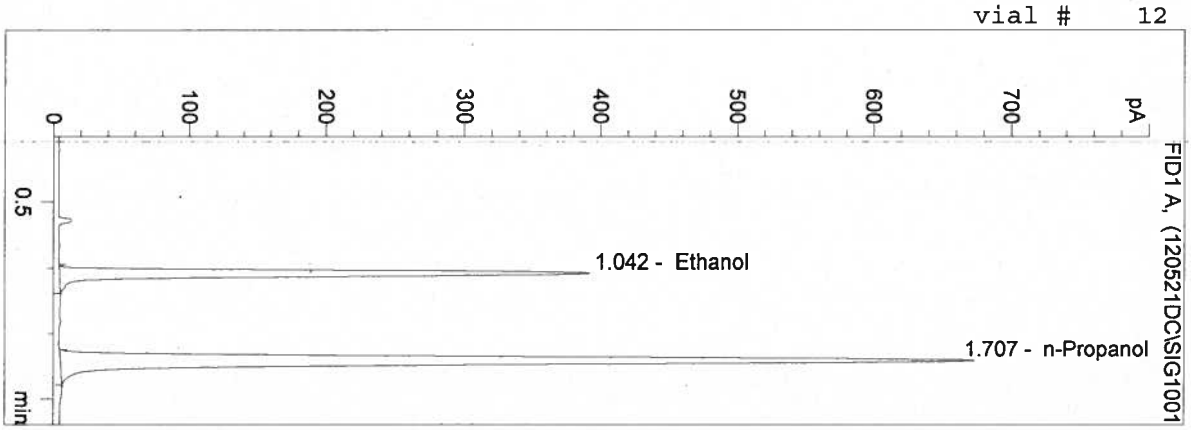
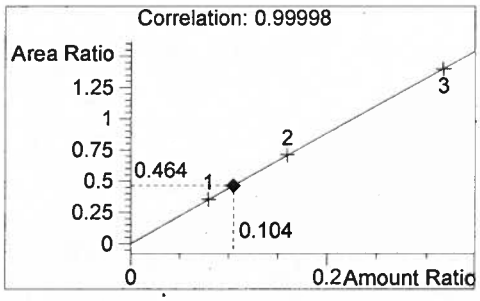
Instrument 1
DB-ALC1

12023 #3
Dawn Cox

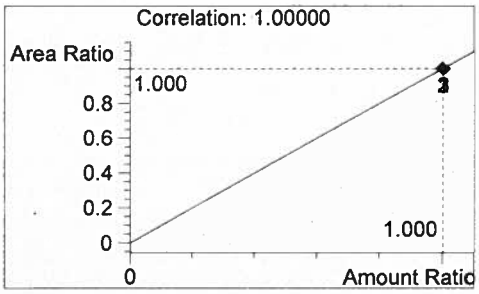
vial # 12



#	Compound	Area	RT
1	Ethanol	1237	1.042
2	n-Propanol	2665	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

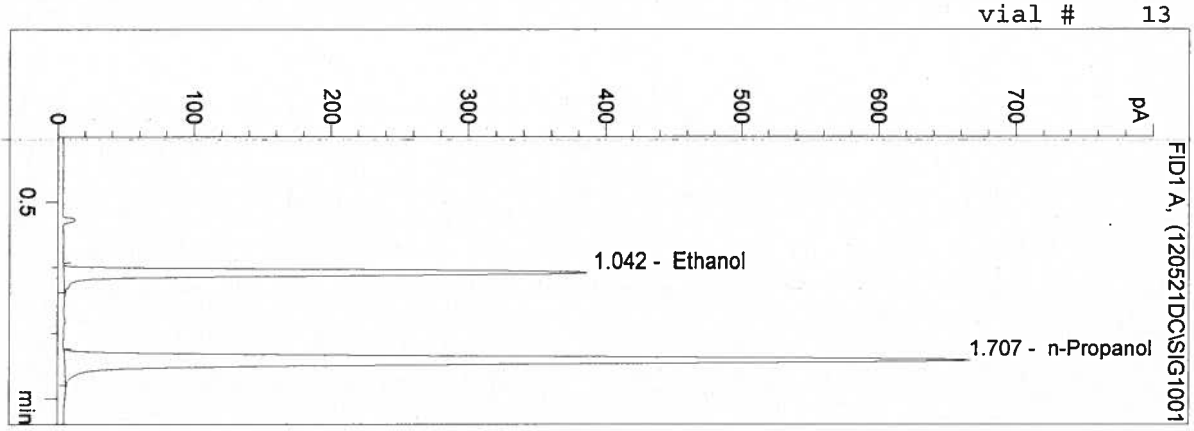
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

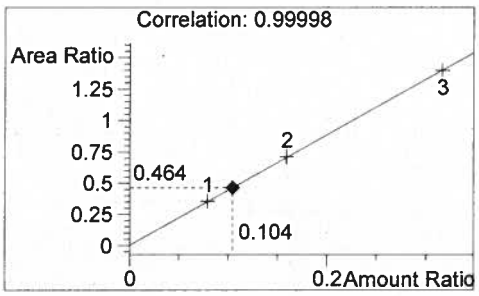
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 3:00:16 PM
Instrument 1
DB-ALC1

12023 #4
Dawn Cox

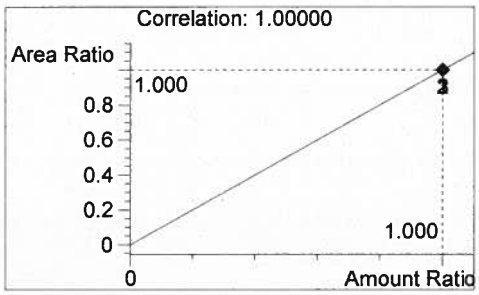
vial # 13



#	Compound	Area	RT
1	Ethanol	1220	1.042
2	n-Propanol	2629	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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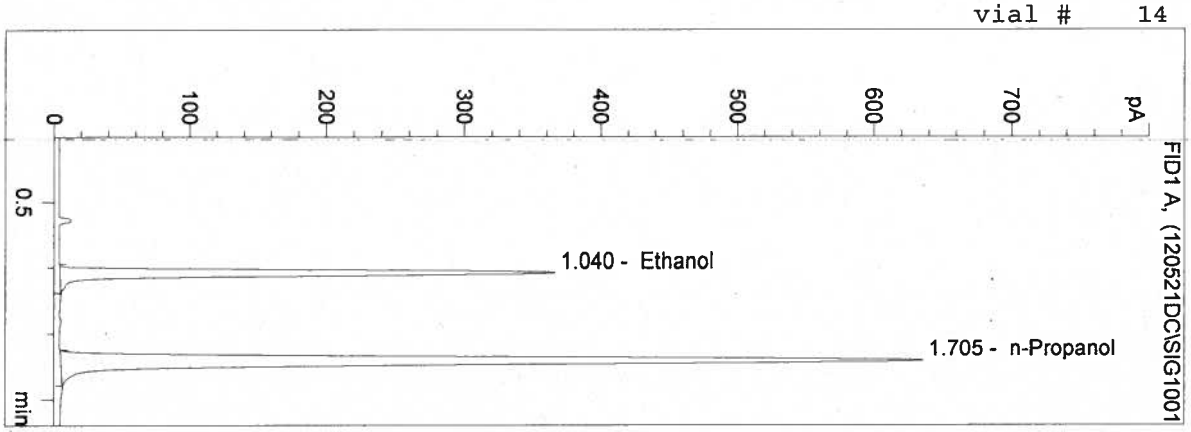
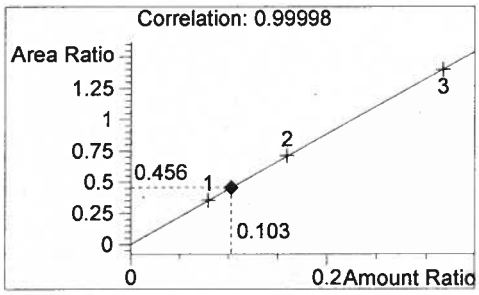
5/21/2012 3:03:21 PM
Instrument 1
DB-ALC1

12023 #5
Dawn Cox

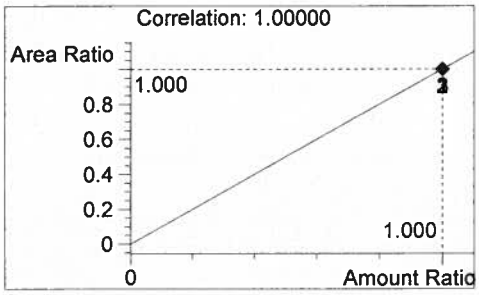
vial # 14



#	Compound	Area	RT
1	Ethanol	1142	1.040
2	n-Propanol	2504	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

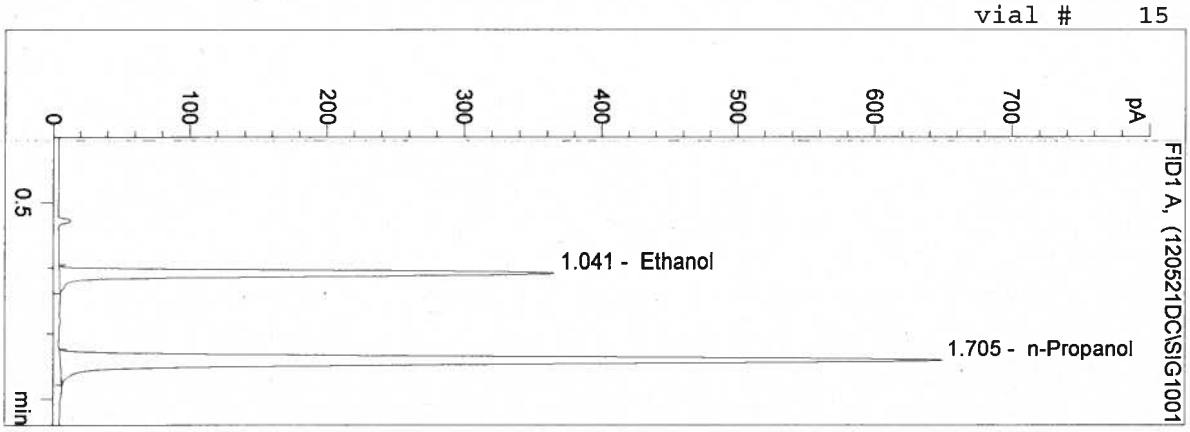
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

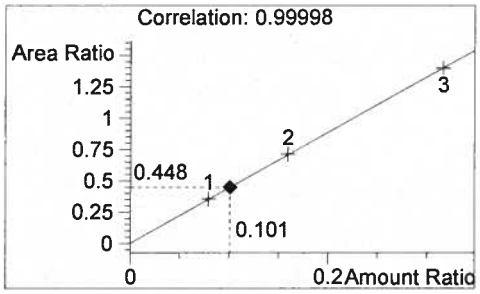
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 3:06:26 PM
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

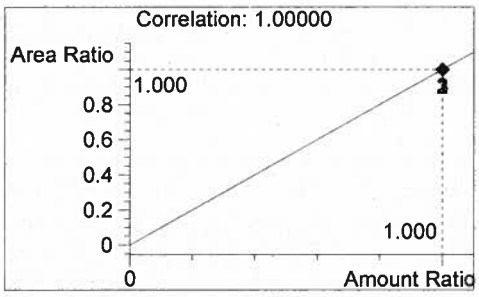
vial # 15



#	Compound	Area	RT
1	Ethanol	1146	1.041
2	n-Propanol	2559	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12023

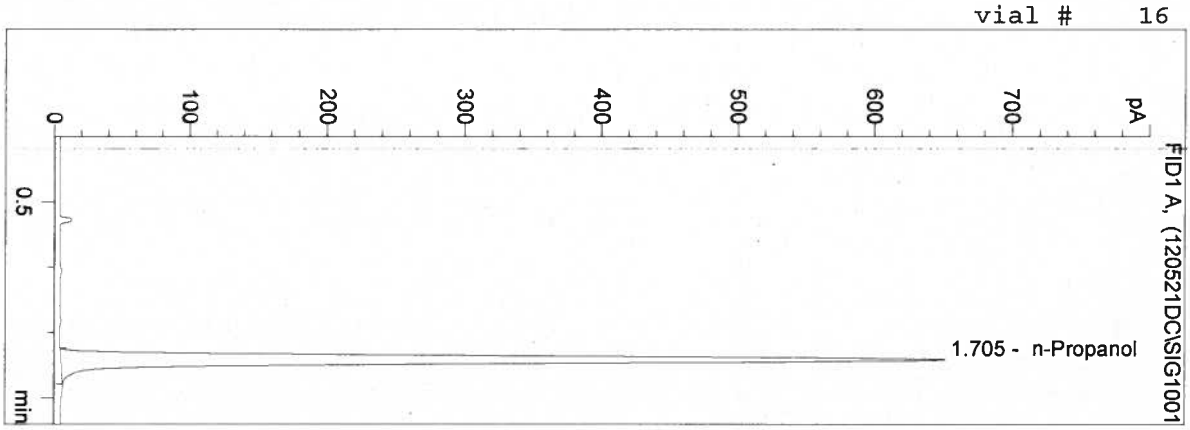
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

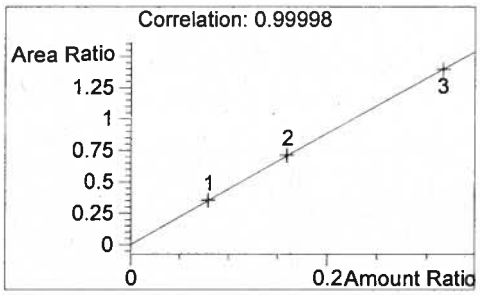
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 3:09:31 PM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

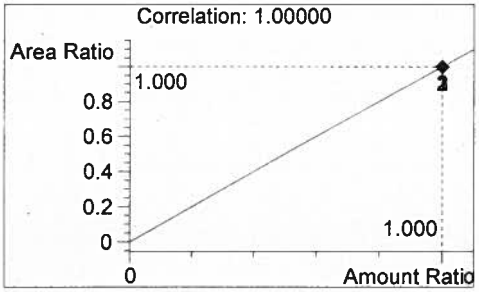
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2565	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

DC

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

Sequence Parameters:

Operator:	Brianna Peterson
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:	120522B2
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#A076521 exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0412-01
3	Vial 3	E0412-02
4	Vial 4	E0412-03
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	

BP

12023

Sequence: C:\HPCHEM\1\SEQUENCE\BPEXTSTD.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 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 - BP	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - BP	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - BP	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - BP	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - BP	SIMALC1	1	Ctrl Samp		
10	Vial 10	12023 #1	SIMALC1	1	Sample		
11	Vial 11	12023 #2	SIMALC1	1	Sample		
12	Vial 12	12023 #3	SIMALC1	1	Sample		
13	Vial 13	12023 #4	SIMALC1	1	Sample		
14	Vial 14	12023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - BP	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - BP	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!

BP

12023

Calibration Table

Calib. Data Modified : Tuesday, May 22, 2012 10:42:15 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
1.041	1	1	7.91800e-2	861.55792	9.19033e-5	1		Ethanol
		2	1.59320e-1	1929.87805	8.25544e-5			
		3	3.16260e-1	3603.48657	8.77650e-5			
1.706	1	1	1.00000	2436.33667	4.10452e-4	I1		n-Propanol
		2	1.00000	2682.97510	3.72721e-4			
		3	1.00000	2532.41309	3.94880e-4			

Peak Sum Table

No Entries in table

12023

BP

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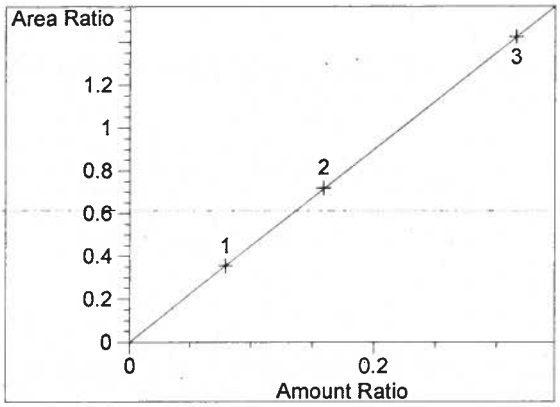
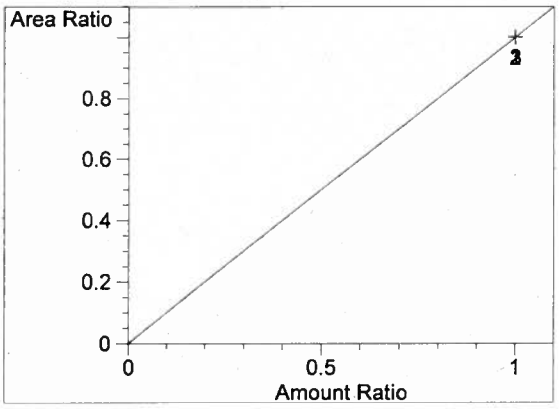
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00247
Formula: y = mx + b
m: 4.50308
b: -5.62261e-4
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

==========

12023

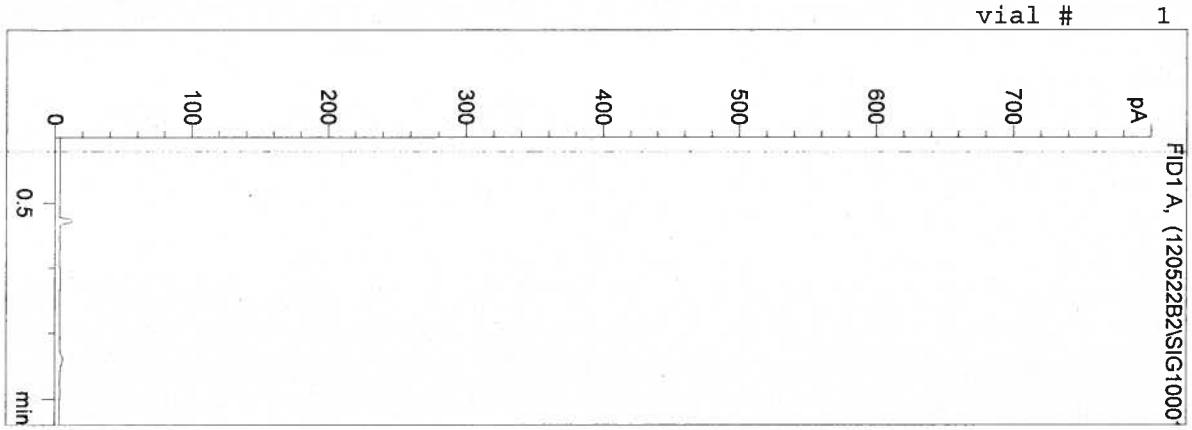
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

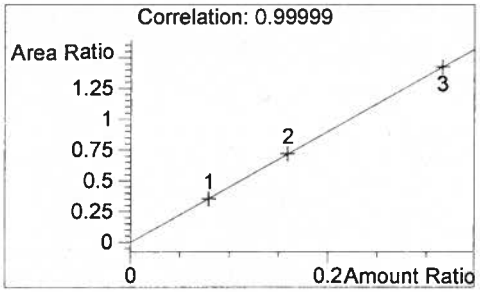
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:30:48 AM
Instrument 1
DB-ALC1

blank
Brianna Peterson

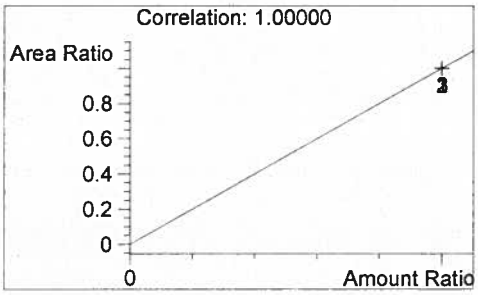
vial # 1



#	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

12023

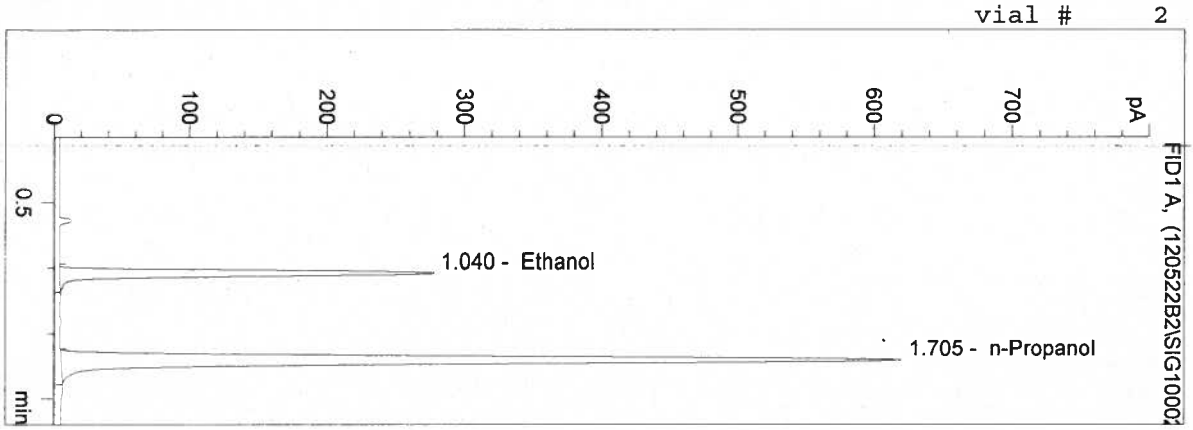
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

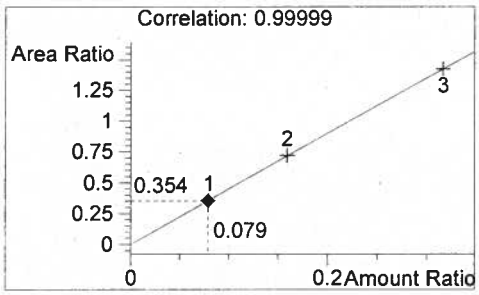
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:33:53 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

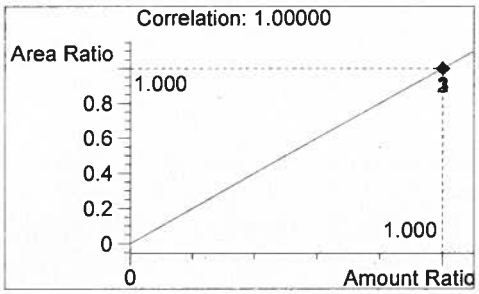
vial # 2



#	Compound	Area	RT
1	Ethanol	862	1.040
2	n-Propanol	2436	1.705
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

2023

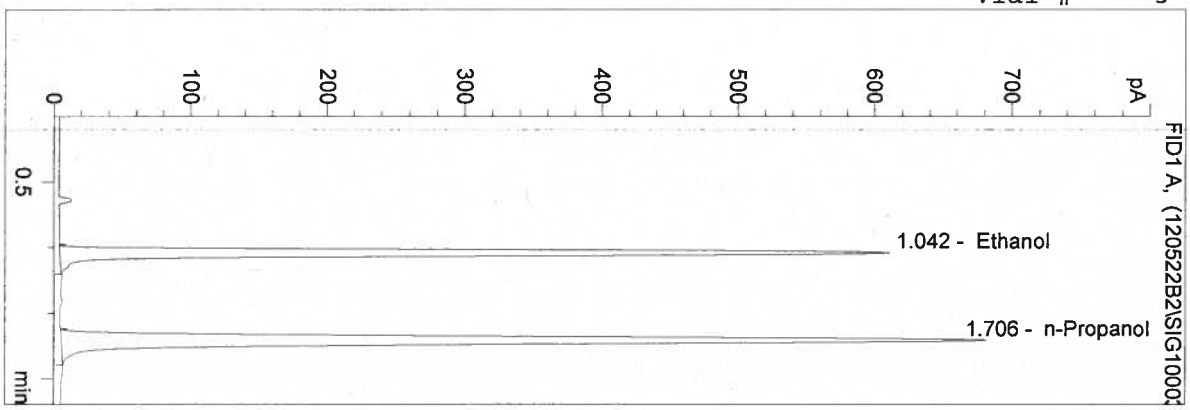
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

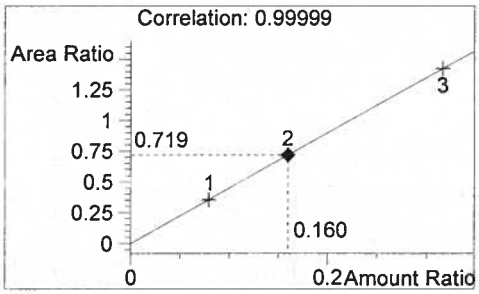
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:36:58 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

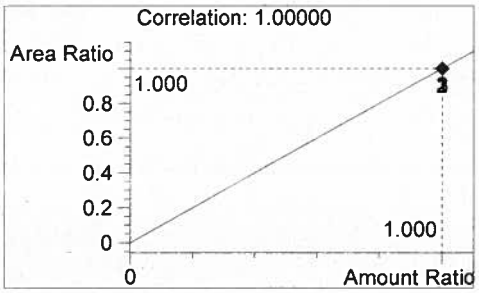
vial # 3



#	Compound	Area	RT
1	Ethanol	1930	1.042
2	n-Propanol	2683	1.706
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

12023

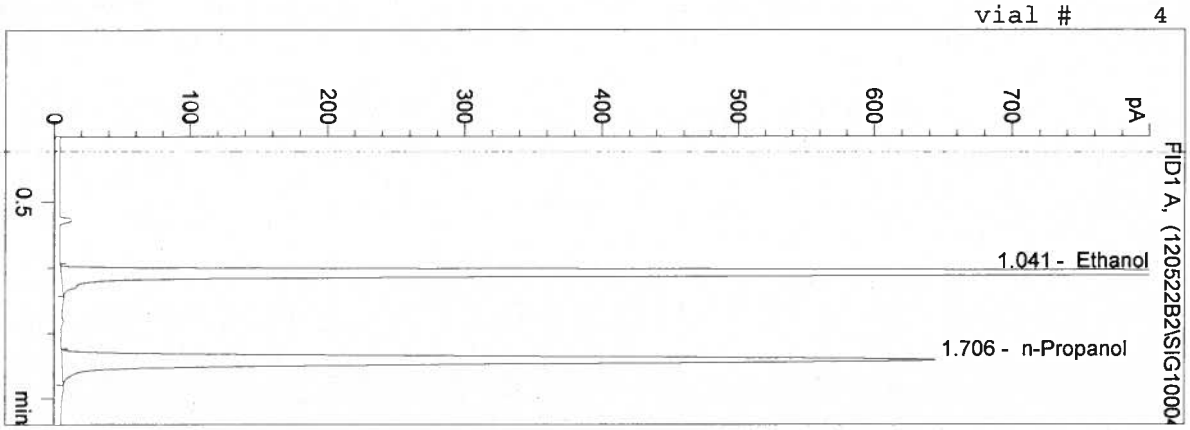
bf

WASHINGTON STATE TOXICOLOGY LABORATORY

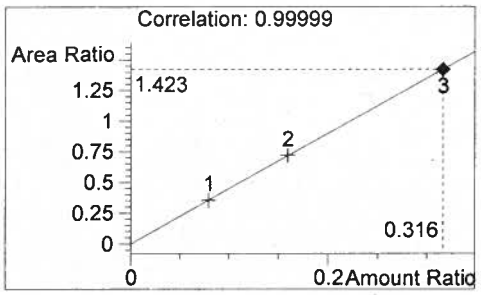
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:40:02 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

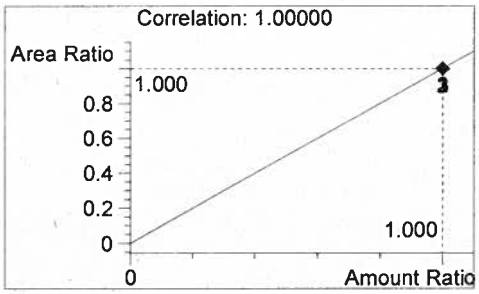
vial # 4



#	Compound	Area	RT
1	Ethanol	3603	1.041
2	n-Propanol	2532	1.706
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

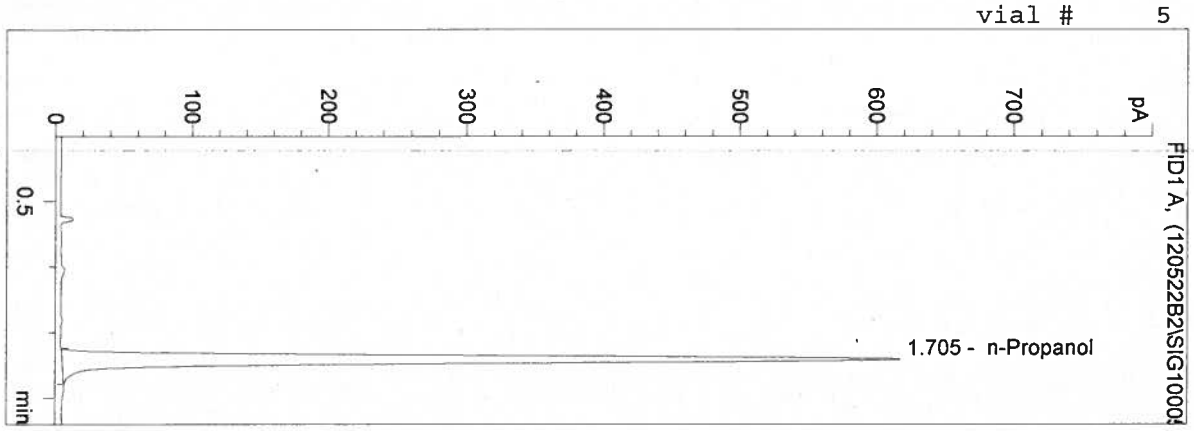
12023
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

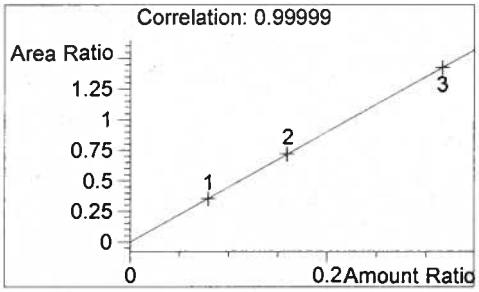
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:43:07 AM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

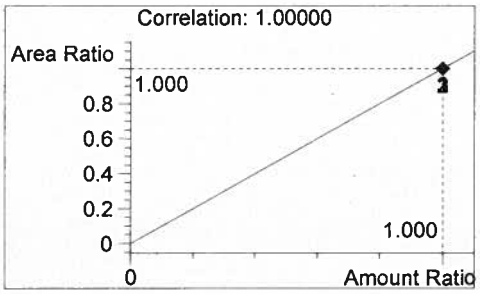
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2428	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

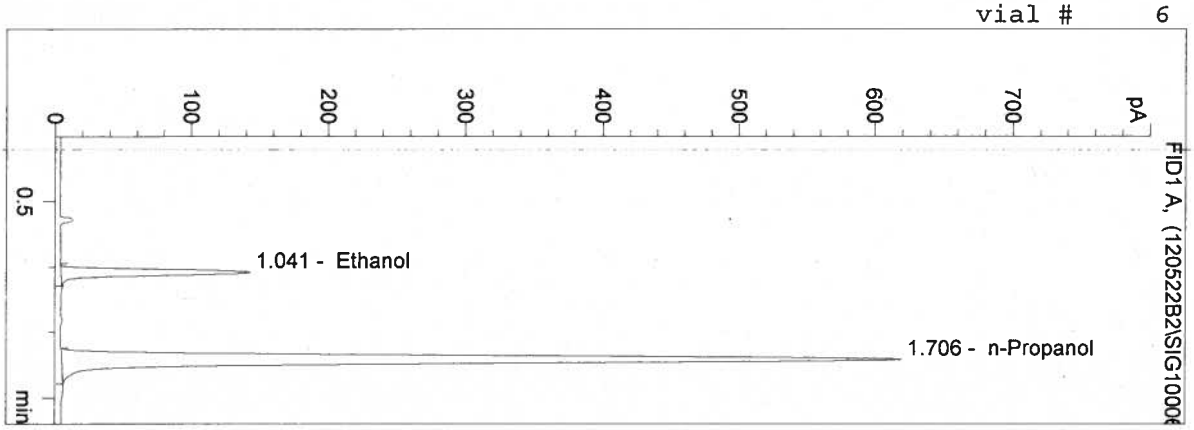
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

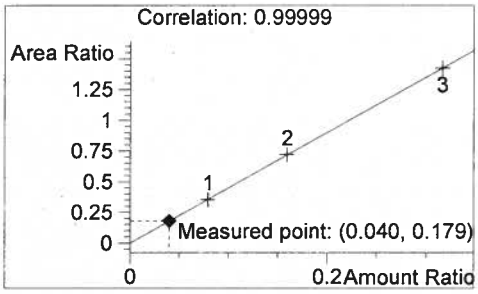
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:46:12 AM
Instrument 1
DB-ALC1

0.04 CTRL - BP
Brianna Peterson

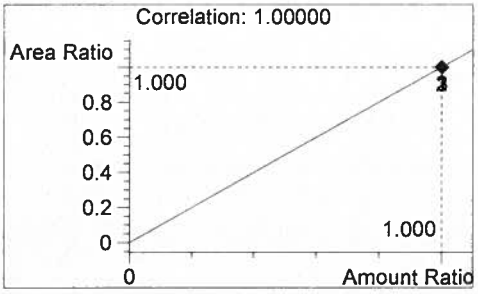
vial # 6



#	Compound	Area	RT
1	Ethanol	436	1.041
2	n-Propanol	2435	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12023

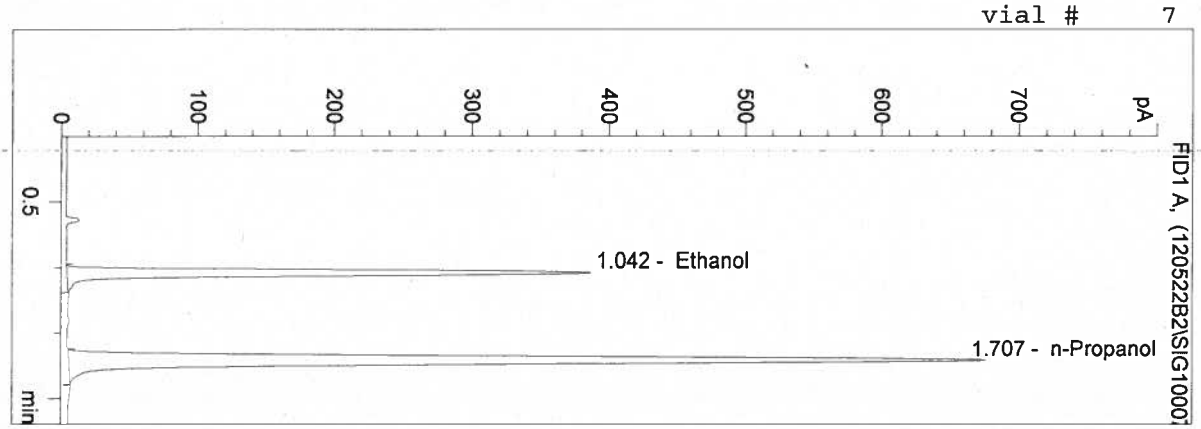
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

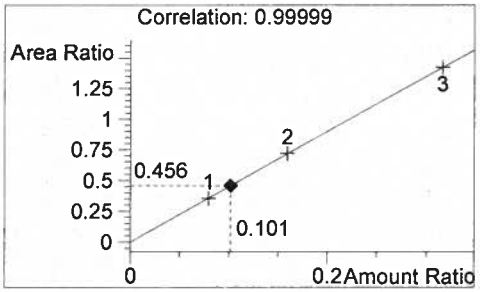
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:49:17 AM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

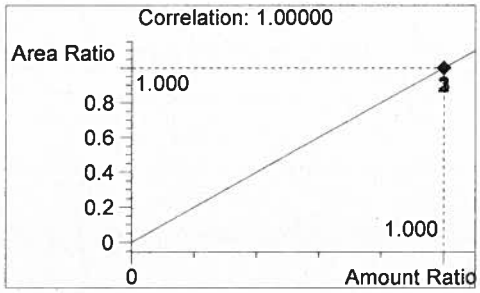
vial # 7



#	Compound	Area	RT
1	Ethanol	1217	1.042
2	n-Propanol	2668	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

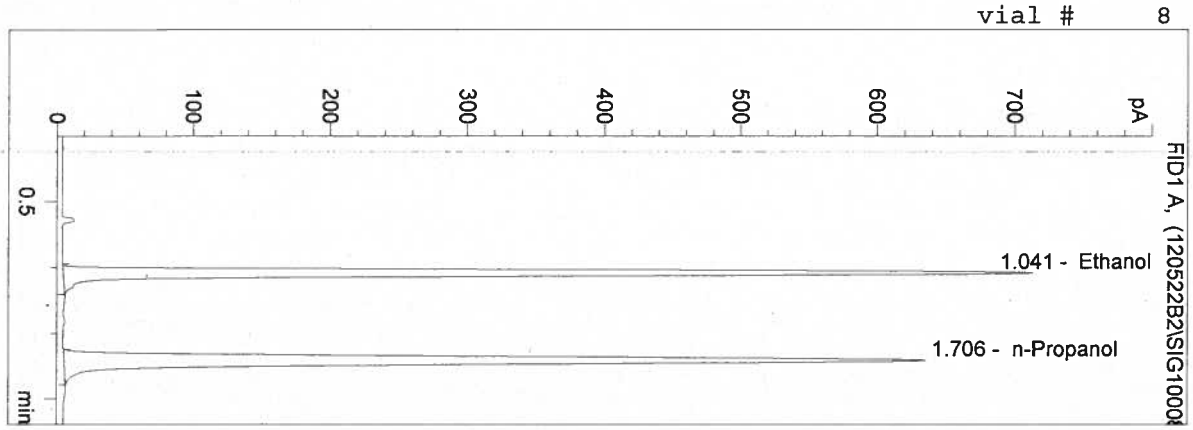
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

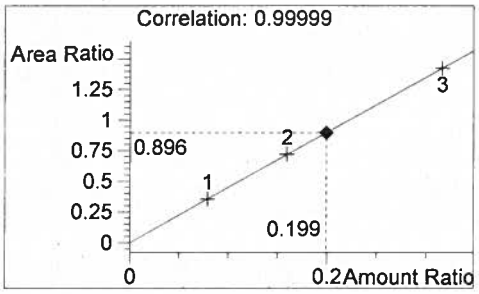
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:52:21 AM
Instrument 1
DB-ALC1

0.20 CTRL - BP
Brianna Peterson

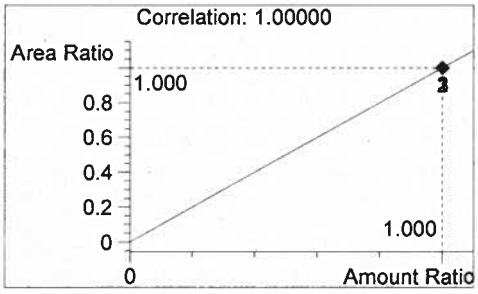
vial # 8



#	Compound	Area	RT
1	Ethanol	2240	1.041
2	n-Propanol	2499	1.706
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

12023

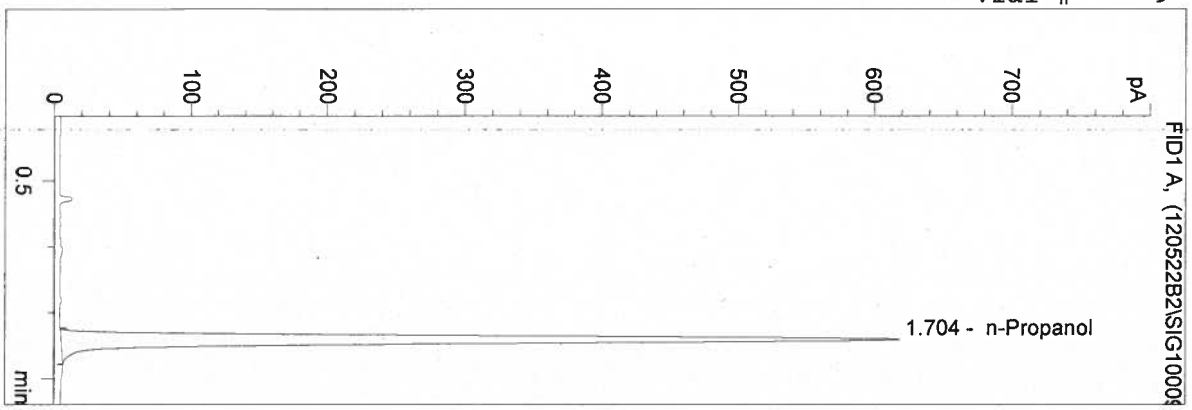
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

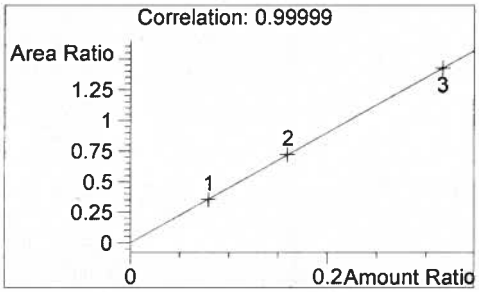
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:55:26 AM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

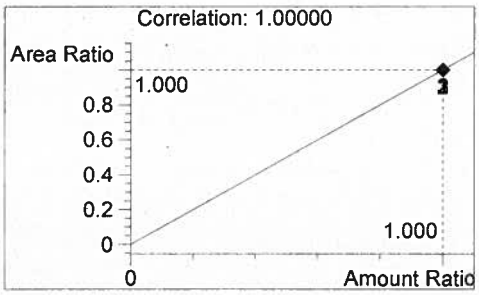
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2430	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

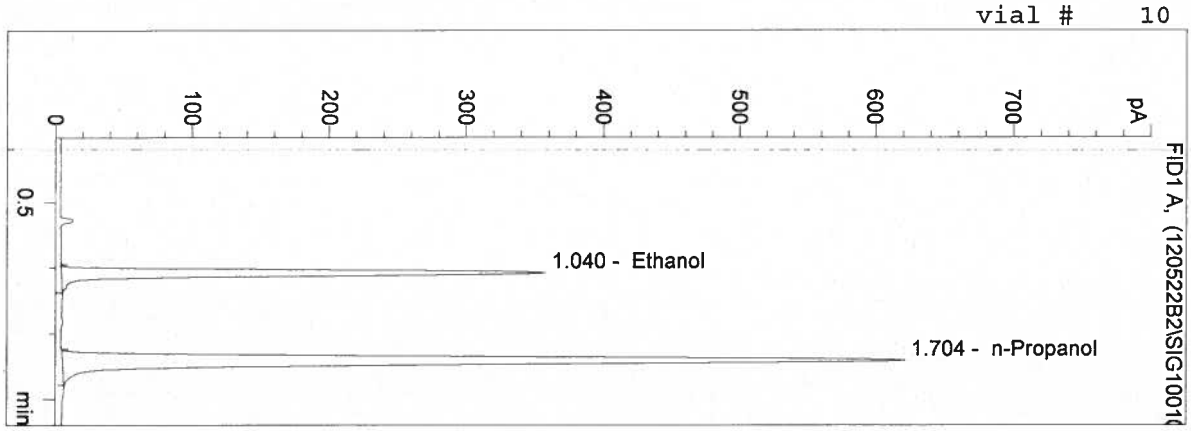
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

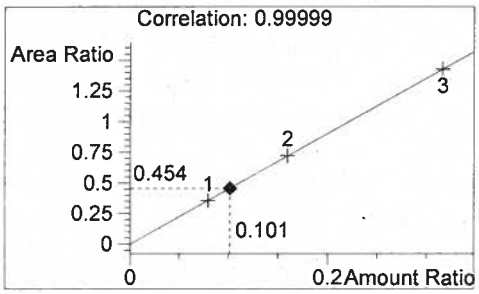
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 10:58:31 AM
Instrument 1
DB-ALC1

12023 #1
Brianna Peterson

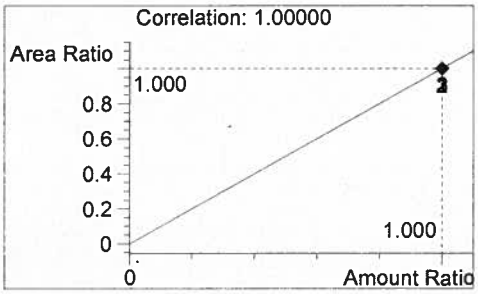
vial # 10



#	Compound	Area	RT
1	Ethanol	1110	1.040
2	n-Propanol	2443	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

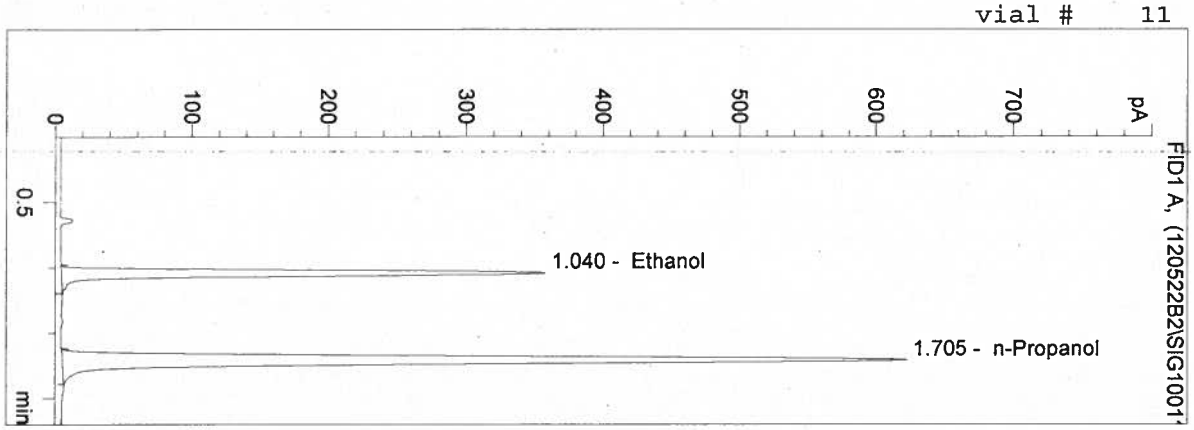
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

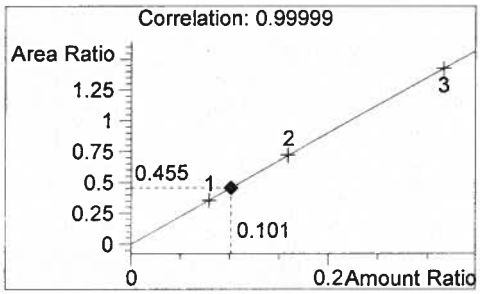
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 11:01:36 AM
Instrument 1
DB-ALC1

12023 #2
Brianna Peterson

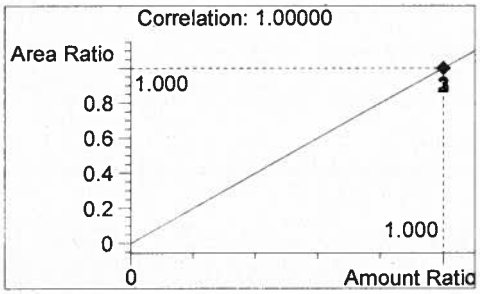
vial # 11



#	Compound	Area	RT
1	Ethanol	1112	1.040
2	n-Propanol	2444	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

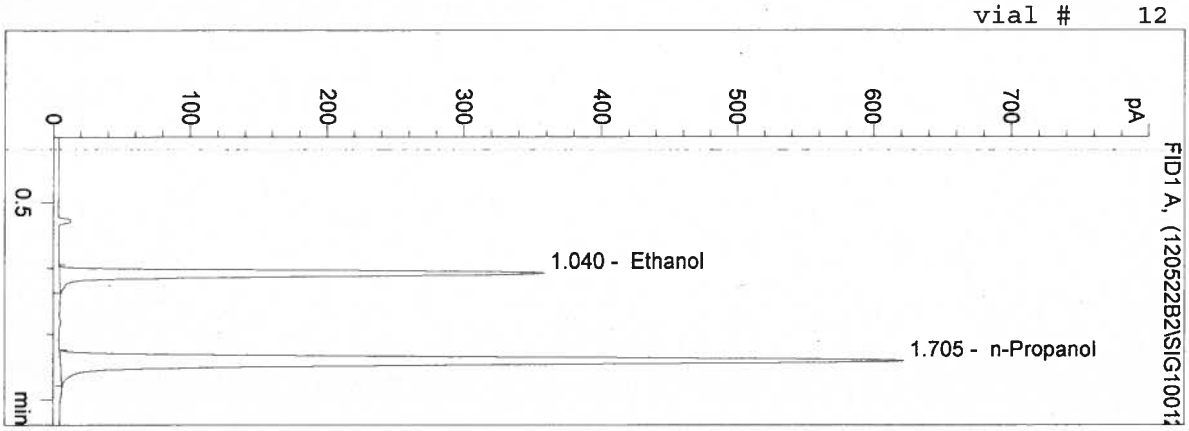
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

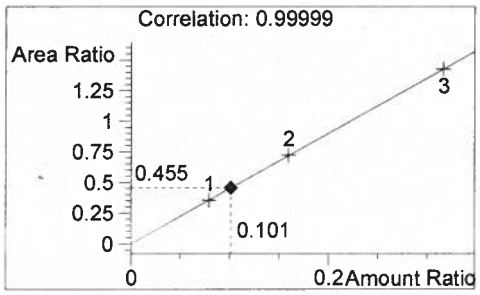
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 11:04:41 AM
Instrument 1
DB-ALC1

12023 #3
Brianna Peterson

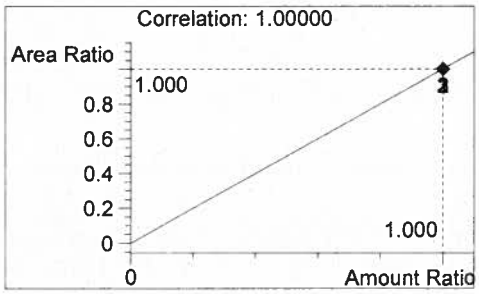
vial # 12



#	Compound	Area	RT
1	Ethanol	1112	1.040
2	n-Propanol	2446	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

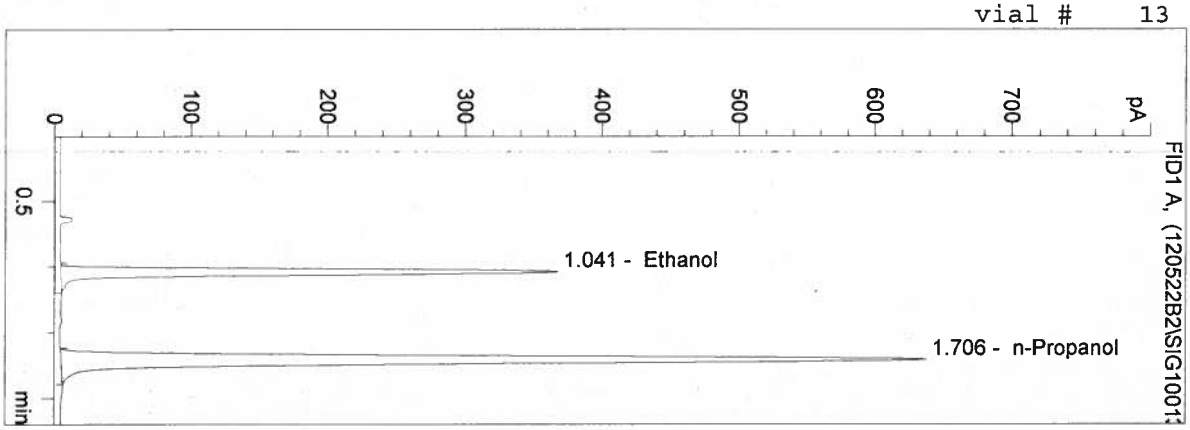
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

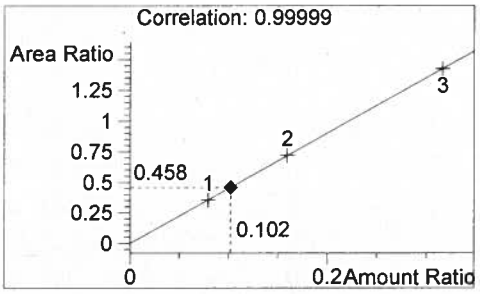
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 11:07:45 AM
Instrument 1
DB-ALC1

12023 #4
Brianna Peterson

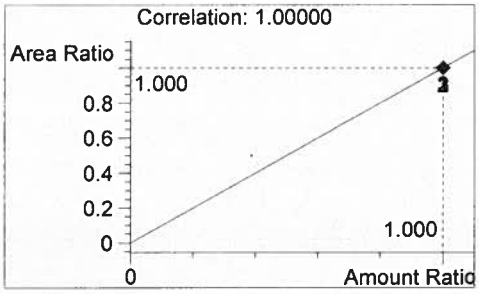
vial # 13



#	Compound	Area	RT
1	Ethanol	1150	1.041
2	n-Propanol	2509	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

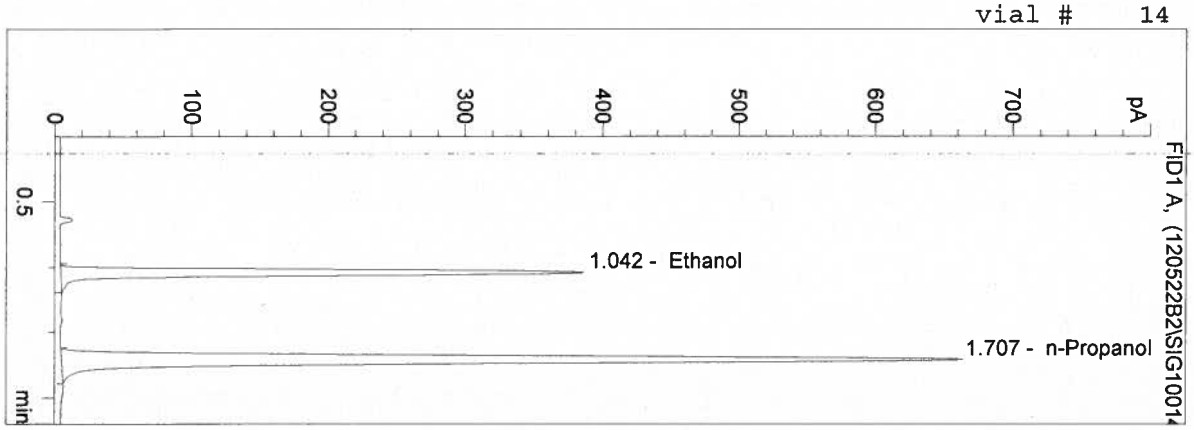
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

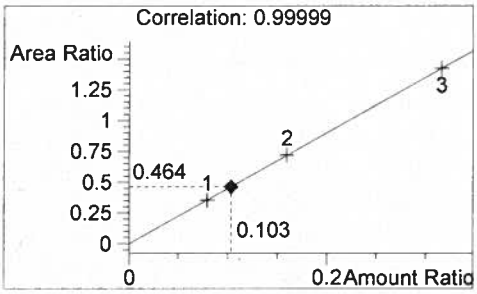
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 11:10:50 AM
Instrument 1
DB-ALC1

12023 #5
Brianna Peterson

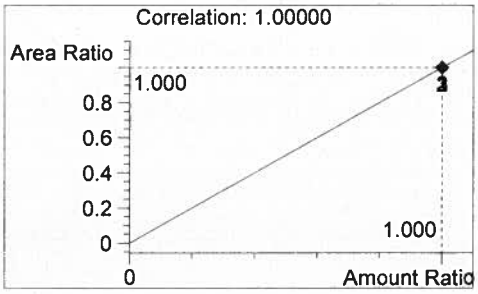
vial # 14



#	Compound	Area	RT
1	Ethanol	1212	1.042
2	n-Propanol	2616	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

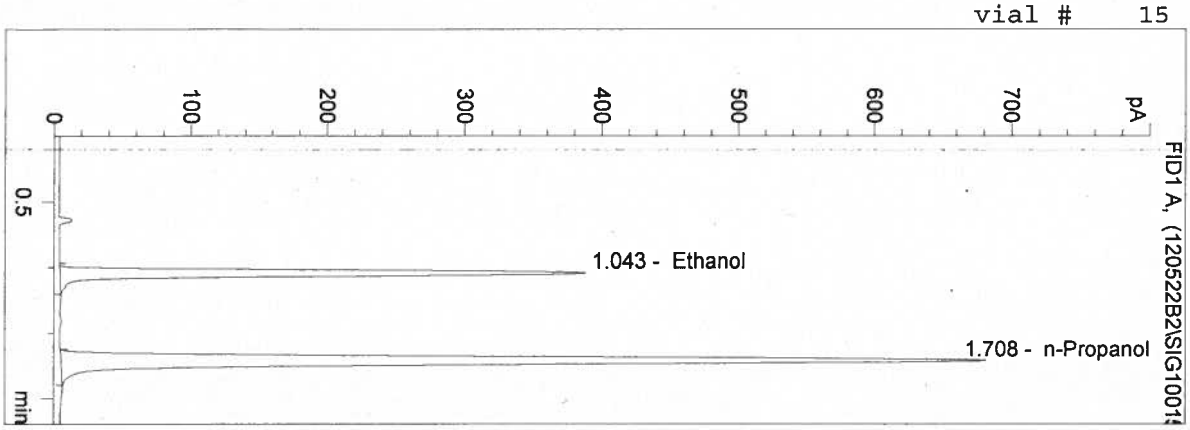
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

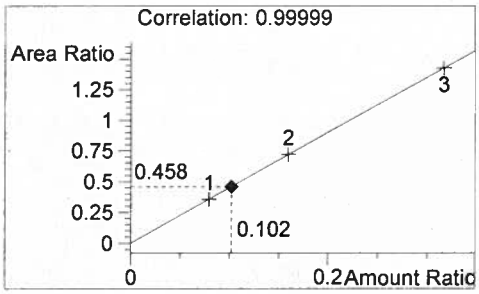
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 11:13:55 AM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

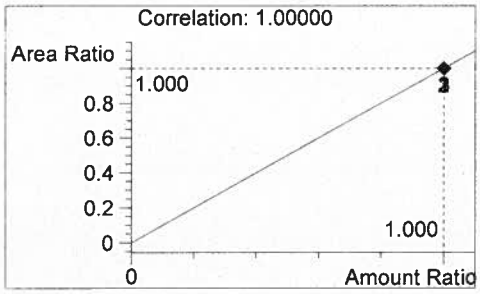
vial # 15



#	Compound	Area	RT
1	Ethanol	1235	1.043
2	n-Propanol	2698	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12023

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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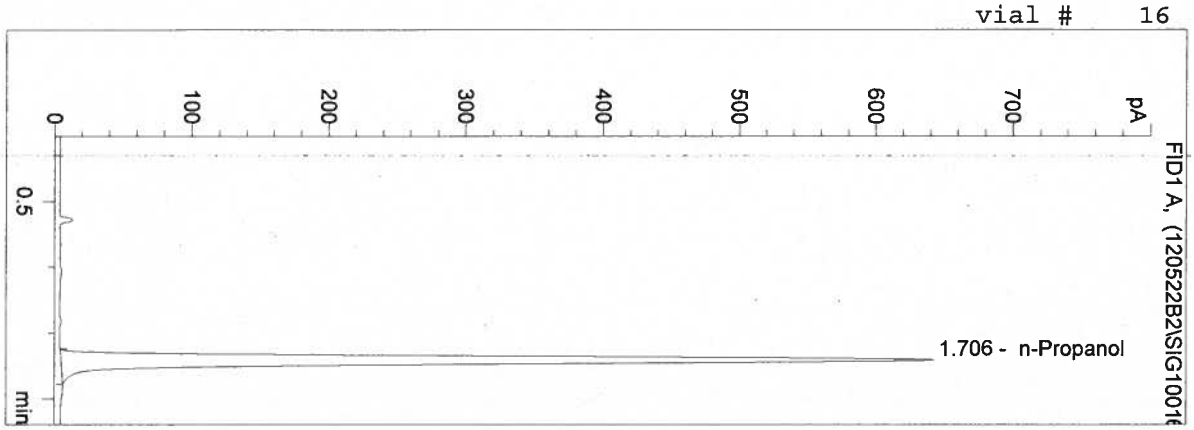
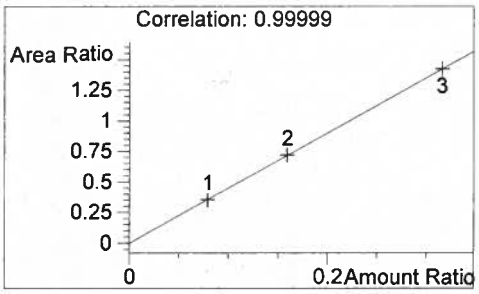
5/22/2012 11:16:59 AM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

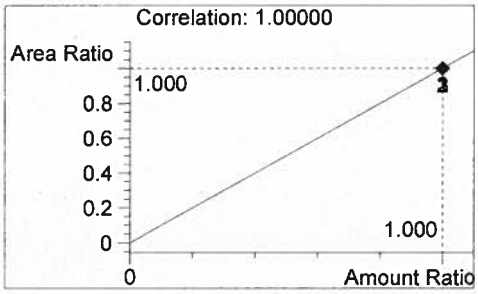
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2529	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

BL

Sequence Parameters:

Operator:	Rebecca Flaherty
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:	120522RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0412-01 - Exp. 07/11/12
Ethanol Calibrator 2, E0412-02 - Exp. 07/11/12
Ethanol Calibrator 3, E0412-03 - Exp. 07/11/12

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E0412-01 - Exp. 07/11/12
3	Vial 3	Ethanol Calibrator 2, E0412-02 - Exp. 07/11/12
4	Vial 4	Ethanol Calibrator 3, E0412-03 - Exp. 07/11/12
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 #A076521 - Exp. 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12023

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

Line	Location	Sample Information
15	Vial 15	0.10 Control - Lot #A083355 - Exp. 12/2015
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-RF	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-RF	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-RF	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
10	Vial 10	12023 #1	SIMALC1	1	Sample		
11	Vial 11	12023 #2	SIMALC1	1	Sample		
12	Vial 12	12023 #3	SIMALC1	1	Sample		
13	Vial 13	12023 #4	SIMALC1	1	Sample		
14	Vial 14	12023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-RF	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!

RF

12023

Calibration Table

Calib. Data Modified : Tuesday, May 22, 2012 2:27:41 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	7.91800e-2	867.77173	9.12452e-5	1		Ethanol
		2	1.59320e-1	1730.59766	9.20607e-5			
		3	3.16260e-1	3414.19897	9.26308e-5			
1.704	1	1	1.00000	2451.39819	4.07930e-4	I1		n-Propanol
		2	1.00000	2452.94116	4.07674e-4			
		3	1.00000	2444.07861	4.09152e-4			

Peak Sum Table

No Entries in table

12023

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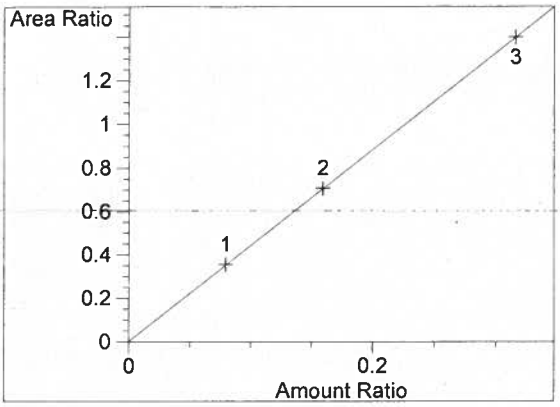
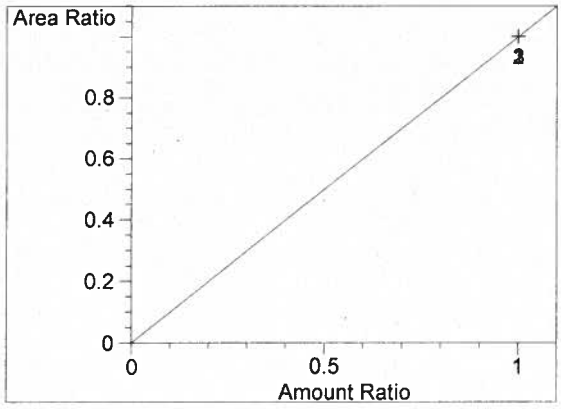
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00238
Formula: y = mx + b
m: 4.41308
b: 2.05958e-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

==========

RF

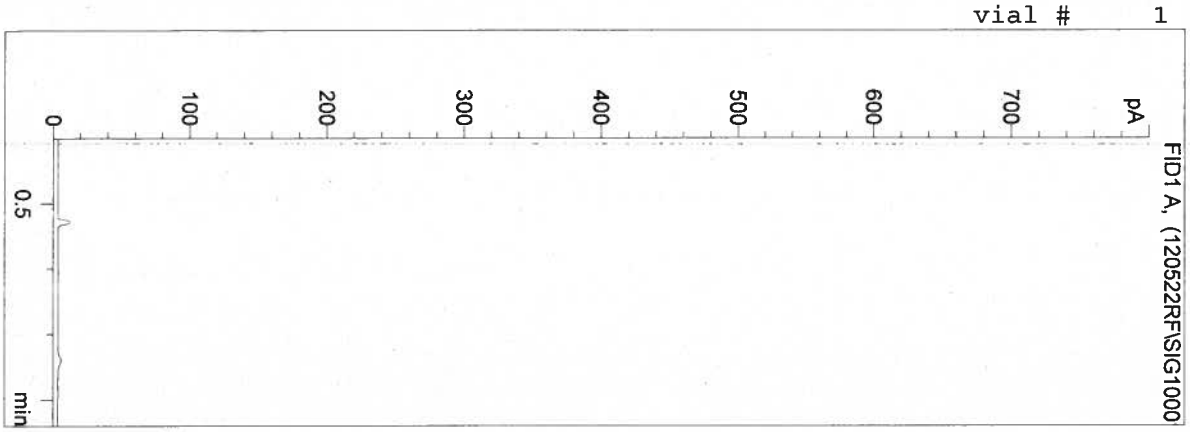
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:16:14 PM
Instrument 1
DB-ALC1

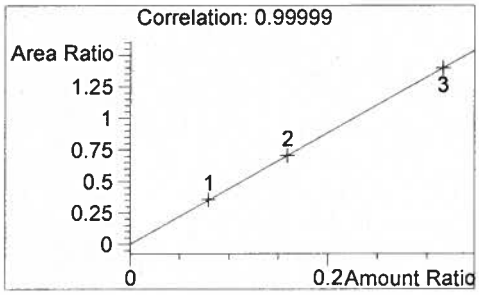
BLANK
Rebecca Flaherty

vial # 1

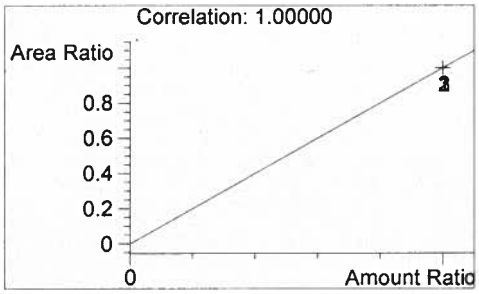


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

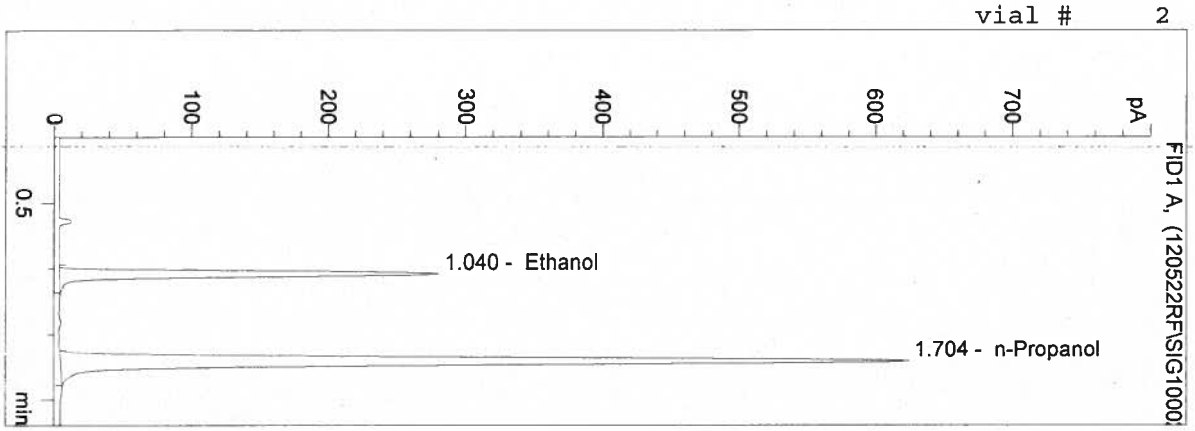
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:19:18 PM
Instrument 1
DB-ALC1

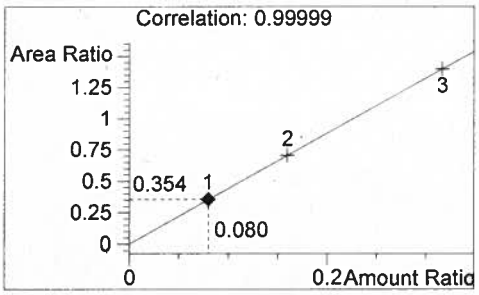
0.079 CAL 1
Rebecca Flaherty

vial # 2

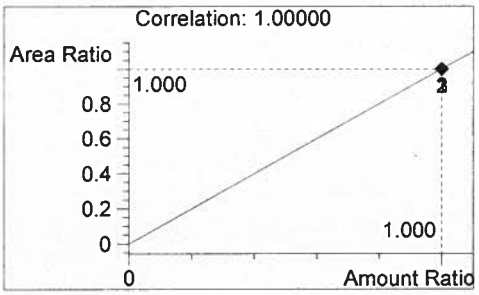


#	Compound	Area	RT
1	Ethanol	868	1.040
2	n-Propanol	2451	1.704
Tot			

RC



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

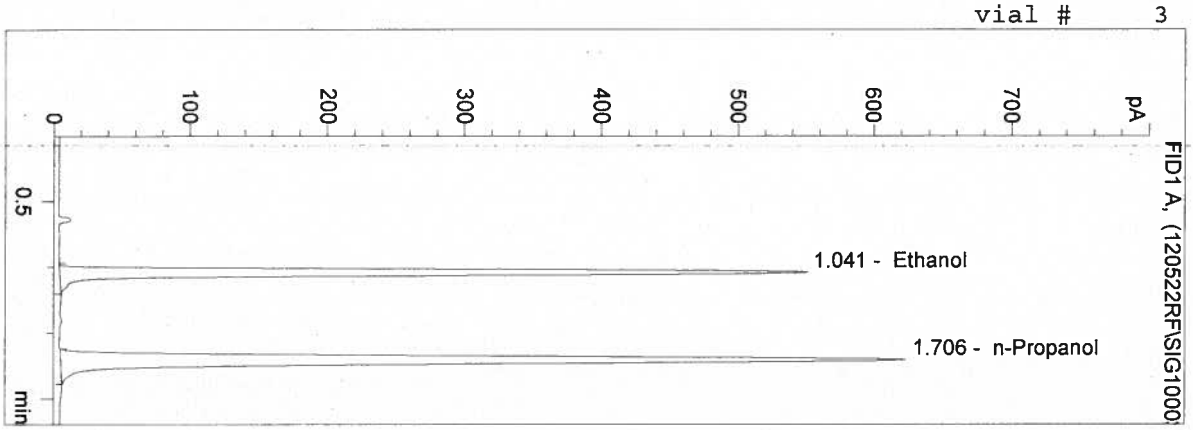
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:22:23 PM
Instrument 1
DB-ALC1

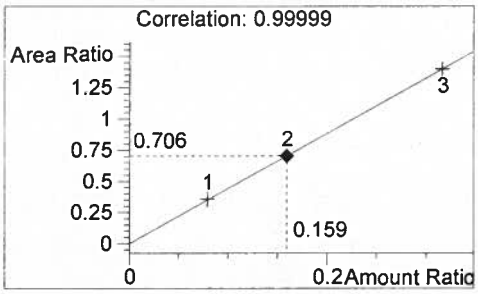
0.158 CAL 2
Rebecca Flaherty

vial # 3

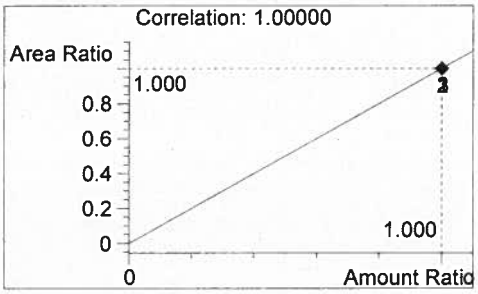


#	Compound	Area	RT
1	Ethanol	1731	1.041
2	n-Propanol	2453	1.706
Tot			

RF



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

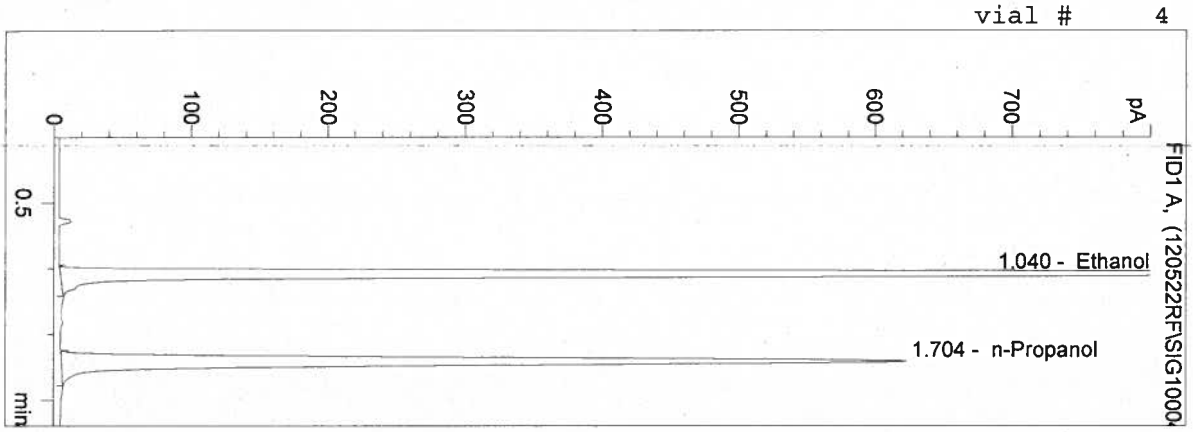
2023

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:25:28 PM
Instrument 1
DB-ALC1

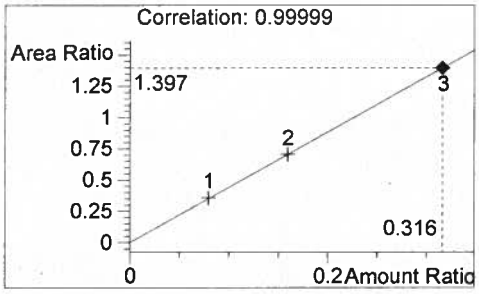
0.316 CAL 3
Rebecca Flaherty

vial # 4

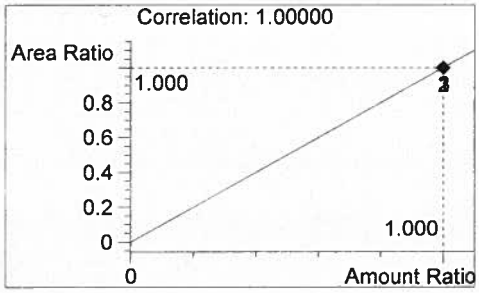


#	Compound	Area	RT
1	Ethanol	3414	1.040
2	n-Propanol	2444	1.704
Tot			

RF



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

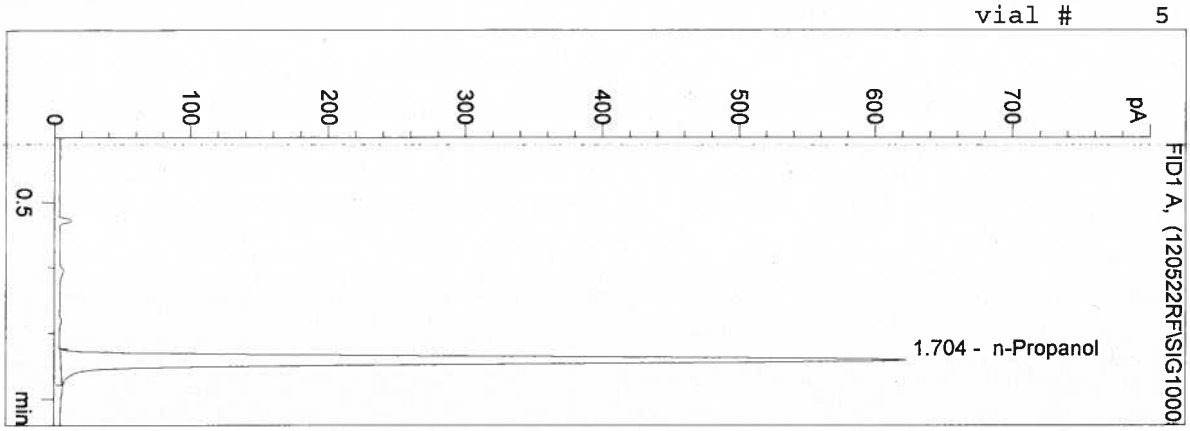
- 2023

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:28:33 PM
Instrument 1
DB-ALC1

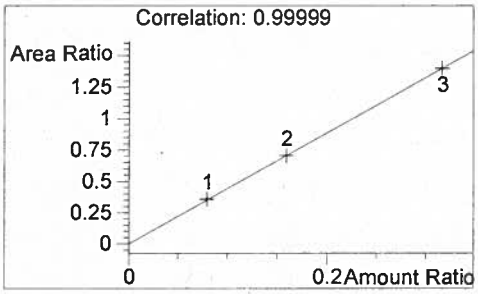
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

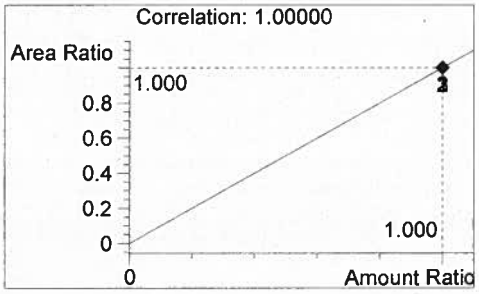


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2448	1.704
Tot			

RF



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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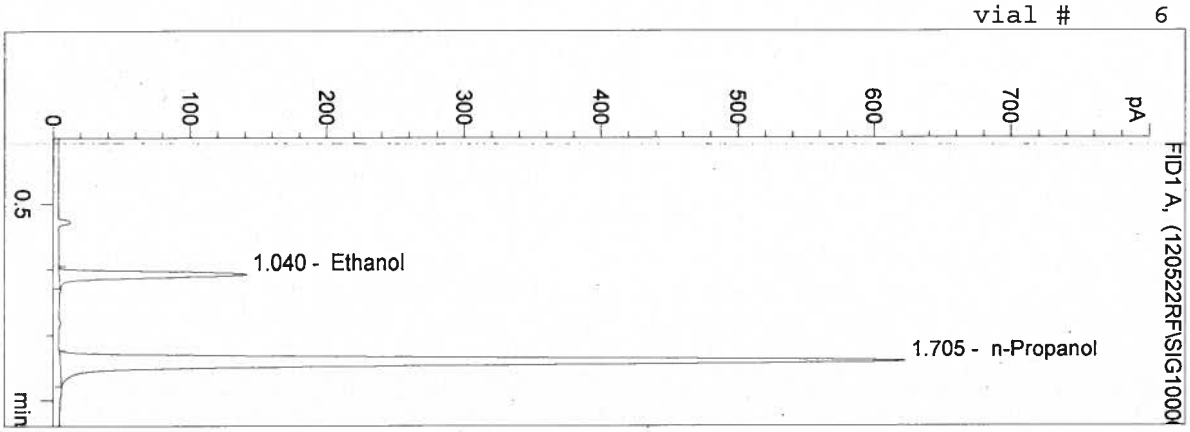
5/22/2012 2:31:37 PM
Instrument 1
DB-ALC1

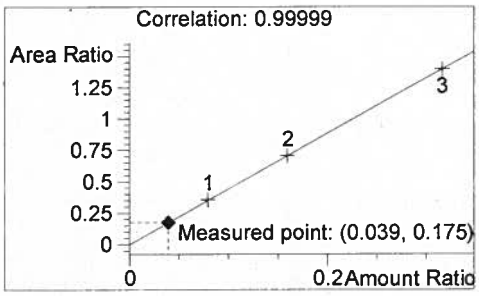
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

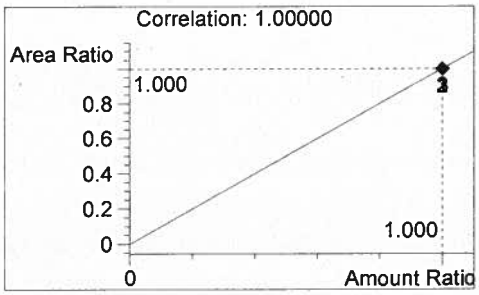


#	Compound	Area	RT
1	Ethanol	427	1.040
2	n-Propanol	2449	1.705
Tot			

RF



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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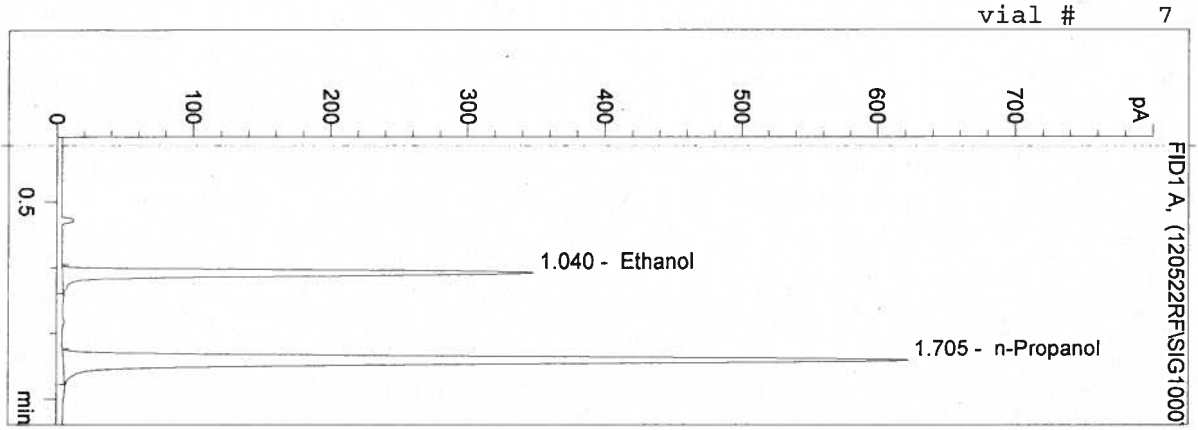
5/22/2012 2:34:42 PM
Instrument 1
DB-ALC1

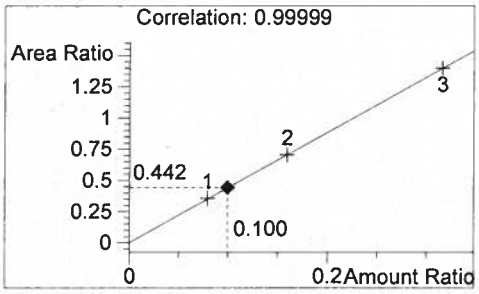
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

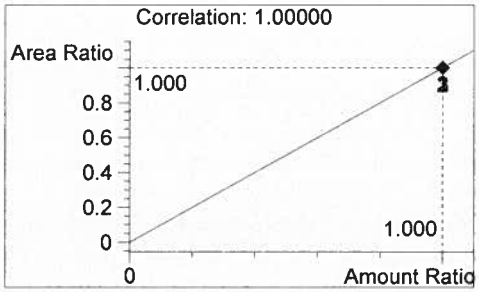


#	Compound	Area	RT
1	Ethanol	1081	1.040
2	n-Propanol	2447	1.705
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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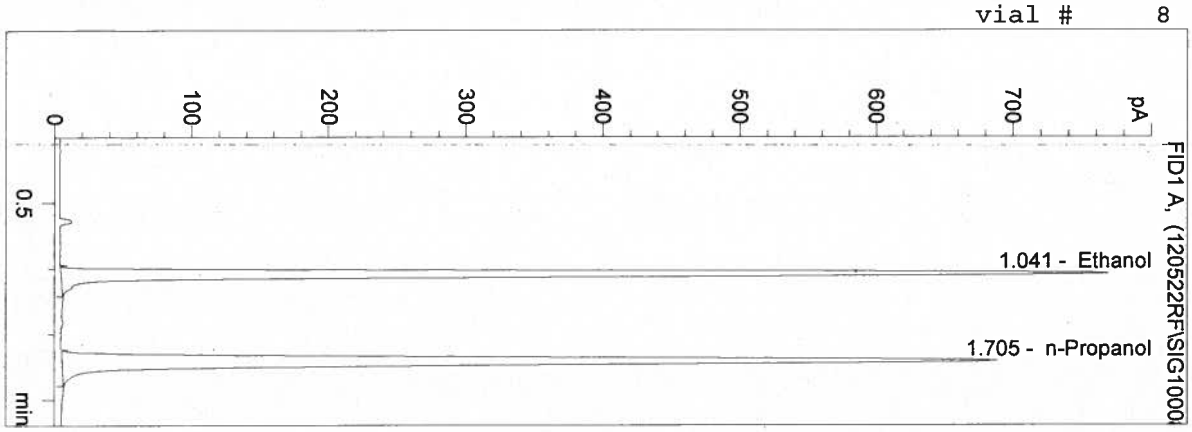
5/22/2012 2:37:47 PM
Instrument 1
DB-ALC1

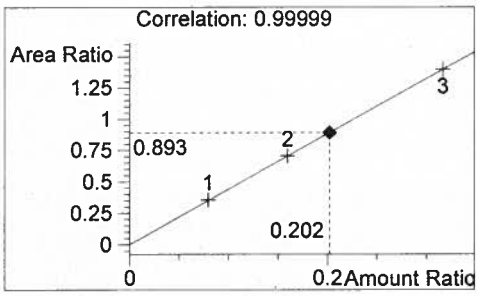
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

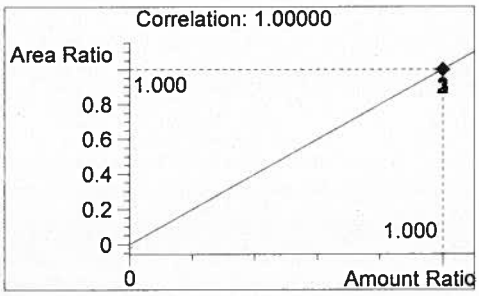


#	Compound	Area	RT
1	Ethanol	2421	1.041
2	n-Propanol	2712	1.705
Tot			

RF



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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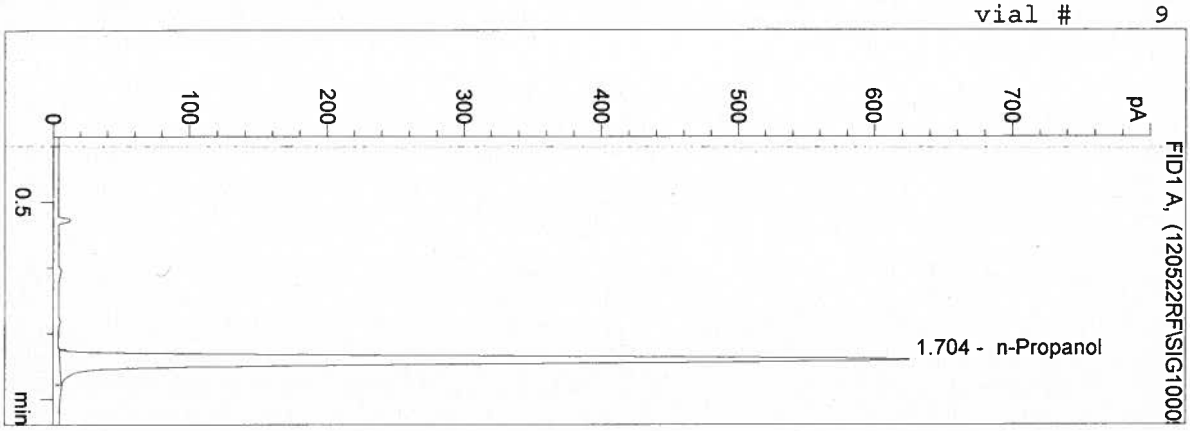
5/22/2012 2:40:52 PM
Instrument 1
DB-ALC1

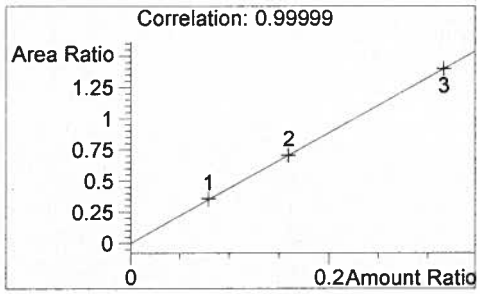
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

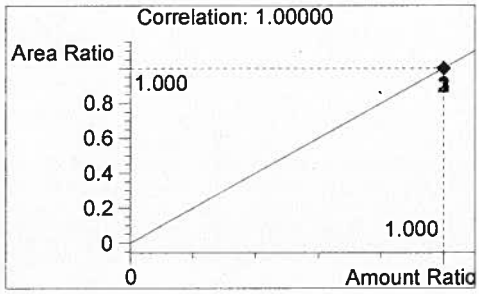


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2459	1.704
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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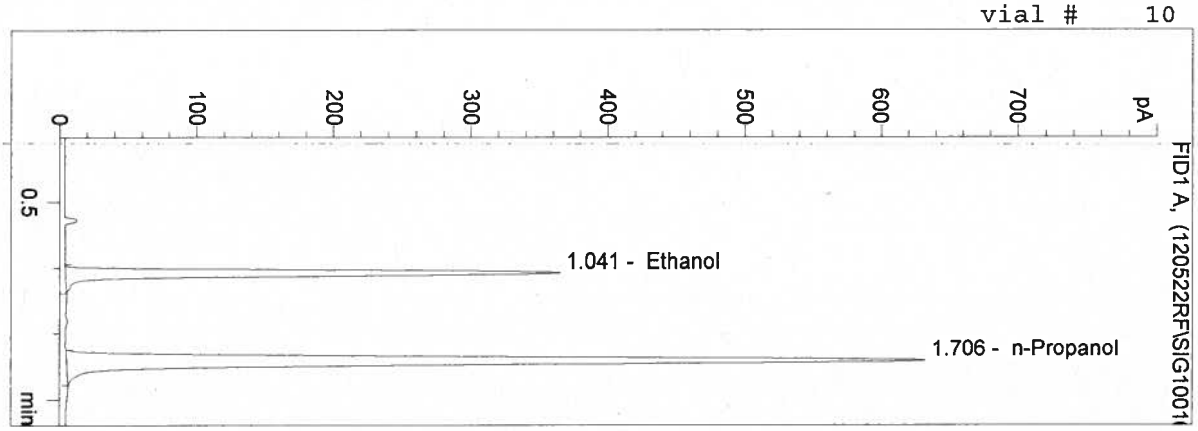
5/22/2012 2:43:56 PM
Instrument 1
DB-ALC1

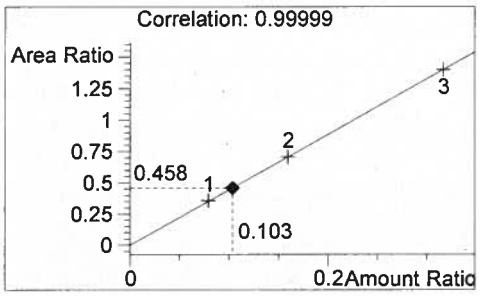
12023 #1
Rebecca Flaherty

vial # 10

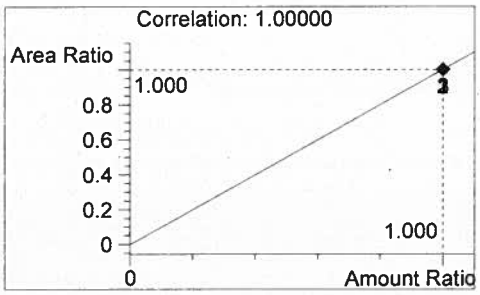


#	Compound	Area	RT
1	Ethanol	1140	1.041
2	n-Propanol	2488	1.706
Tot			

RF



Ethanol 0.103 g/100 mL



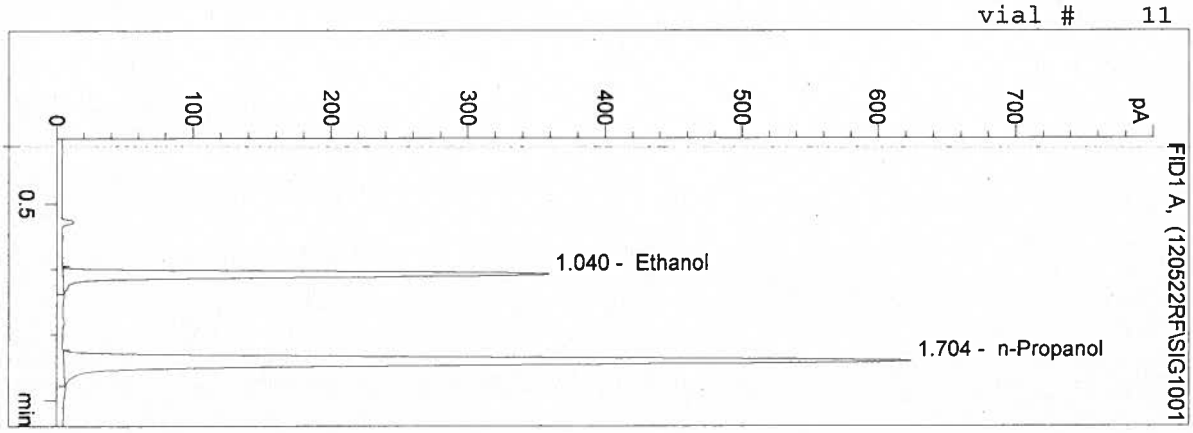
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:47:01 PM
Instrument 1
DB-ALC1

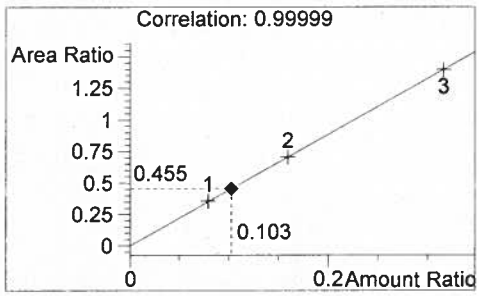
12023 #2
Rebecca Flaherty

vial # 11

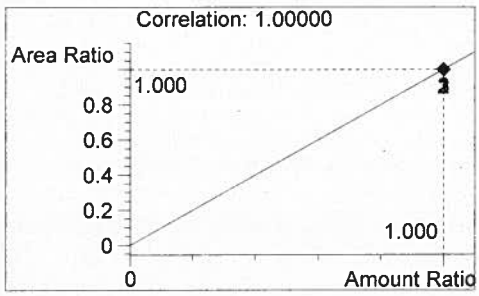


#	Compound	Area	RT
1	Ethanol	1116	1.040
2	n-Propanol	2451	1.704
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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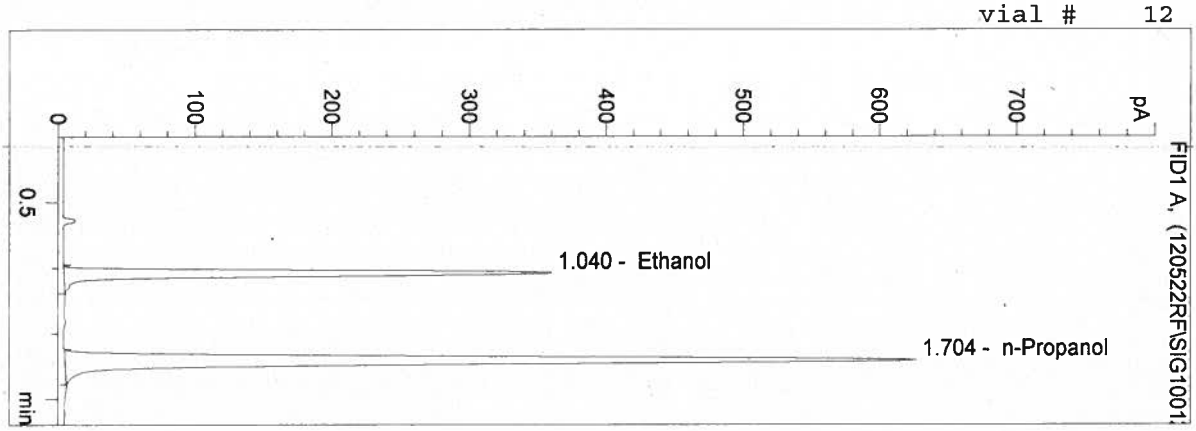
5/22/2012 2:50:06 PM
Instrument 1
DB-ALC1

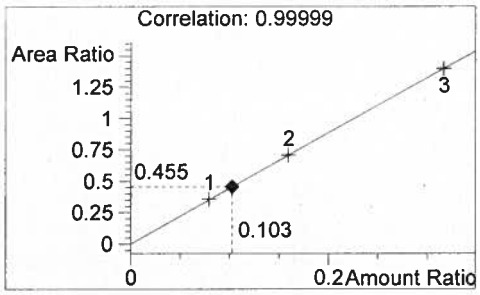
12023 #3
Rebecca Flaherty

vial # 12

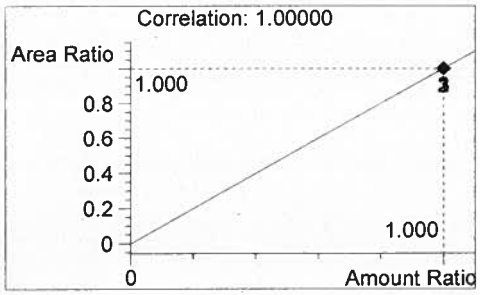


#	Compound	Area	RT
1	Ethanol	1121	1.040
2	n-Propanol	2464	1.704
Tot			

RF



Ethanol 0.103 g/100 mL



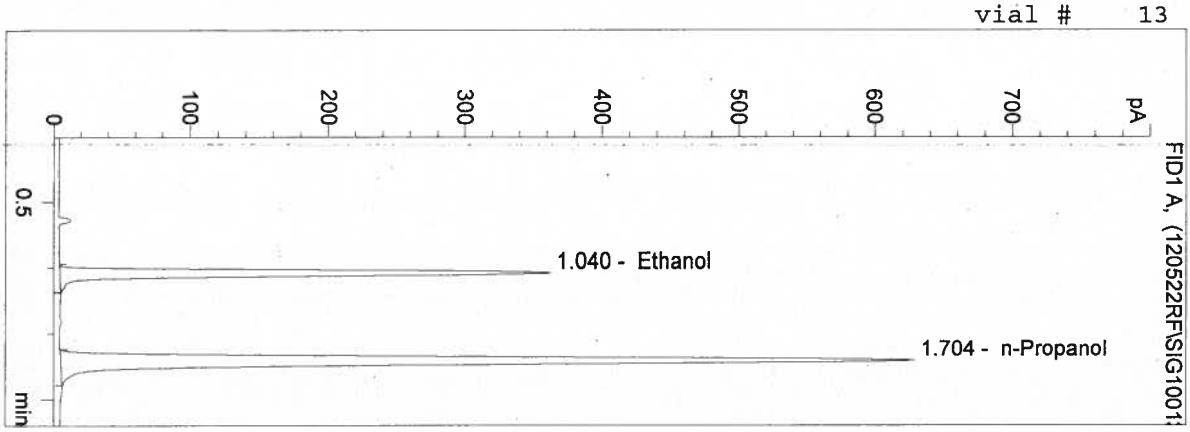
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:53:10 PM
Instrument 1
DB-ALC1

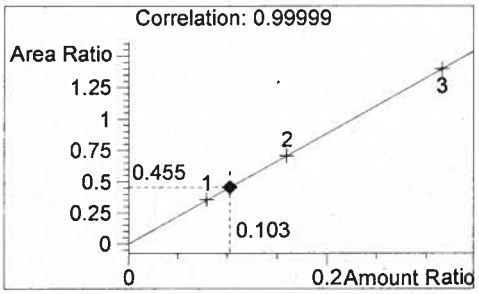
12023 #4
Rebecca Flaherty

vial # 13

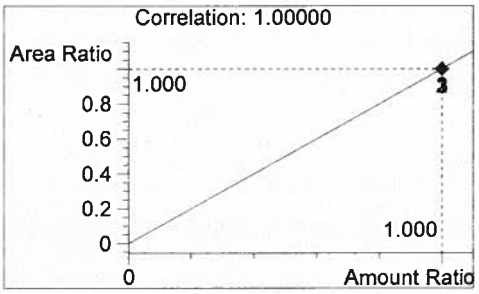


#	Compound	Area	RT
1	Ethanol	1122	1.040
2	n-Propanol	2466	1.704
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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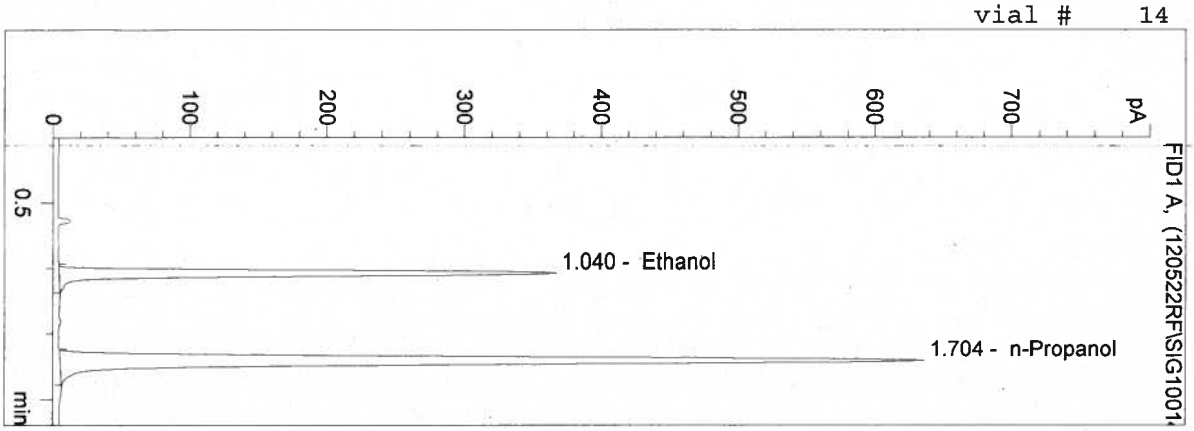
5/22/2012 2:56:15 PM
Instrument 1
DB-ALC1

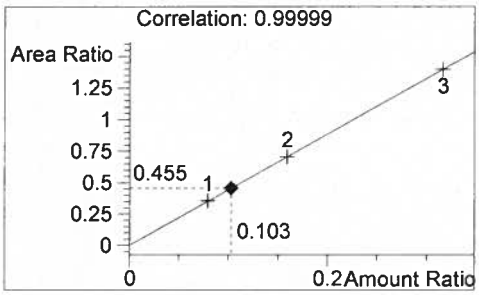
12023 #5
Rebecca Flaherty

vial # 14

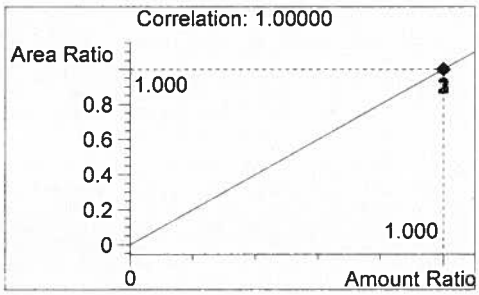


#	Compound	Area	RT
1	Ethanol	1137	1.040
2	n-Propanol	2496	1.704
Tot			

RF



Ethanol 0.103 g/100 mL



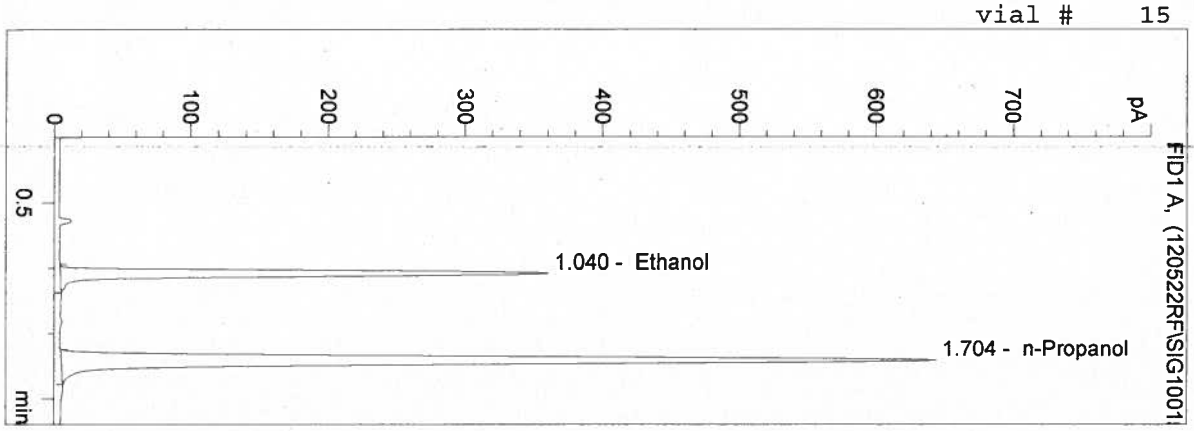
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 2:59:20 PM
Instrument 1
DB-ALC1

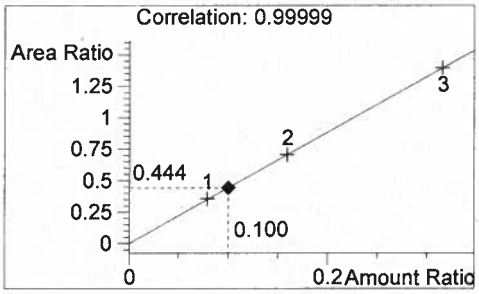
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

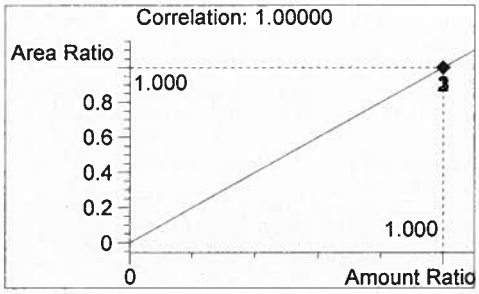


#	Compound	Area	RT
1	Ethanol	1121	1.040
2	n-Propanol	2526	1.704
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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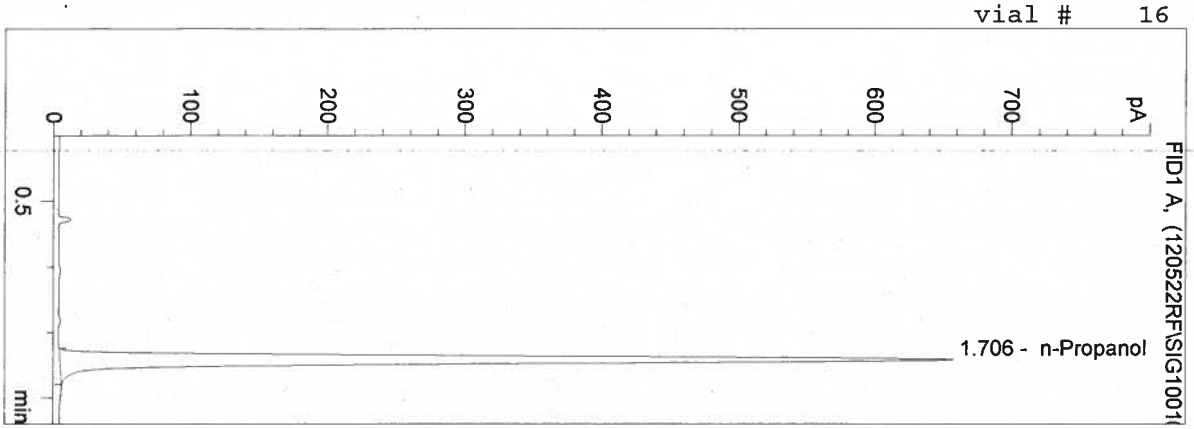
5/22/2012 3:02:24 PM
Instrument 1
DB-ALC1

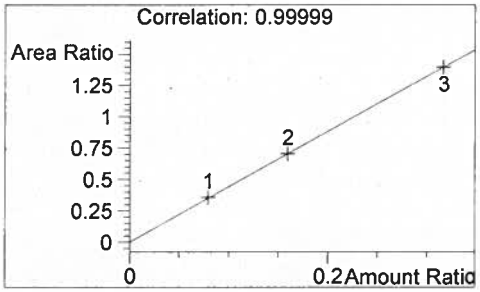
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

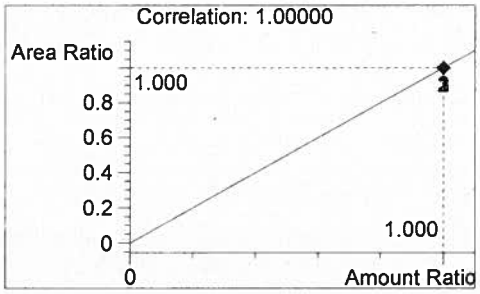


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2592	1.706
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

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

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:	120524A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e0412-01 exp 07/11/2012
cal 2 e0412-02 exp 07/11/2012
cal 3 e0412-03 exp 07/11/2012
0.04 control lot# a077459 exp 02/2015
0.10 control lot# a083355 exp 12/2015
0.20 control lot# a076521 exp 12/2014

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	12023 #1	SIMALC1	1	Sample		
11	Vial 11	12023 #2	SIMALC1	1	Sample		
12	Vial 12	12023 #3	SIMALC1	1	Sample		
13	Vial 13	12023 #4	SIMALC1	1	Sample		
14	Vial 14	12023 #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		

a 2012 MAY 24

Calibration Part:

12023

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):

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

No entries - empty table!

AL
2012 MAY 24

12023

Calibration Table

Calib. Data Modified : Thursday, May 24, 2012 10:29:58 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]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.91800e-2	879.42444	9.00362e-5	1		Ethanol
		2	1.59320e-1	1866.30151	8.53667e-5			
		3	3.16260e-1	3779.08203	8.36870e-5			
1.707	1	1	1.00000	2244.05298	4.45622e-4	I1		n-Propanol
		2	1.00000	2564.43262	3.89950e-4			
		3	1.00000	2634.94409	3.79515e-4			

A
2012 MAY 24

Peak Sum Table

No Entries in table

12023

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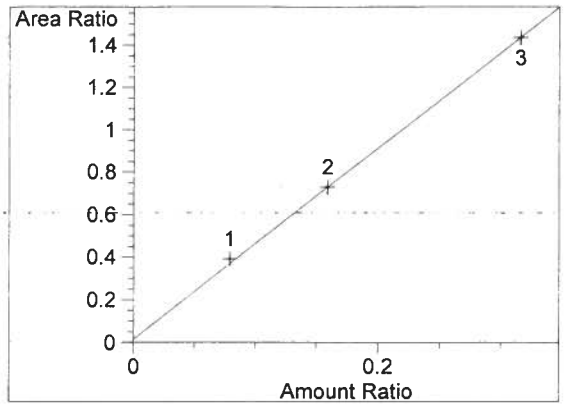
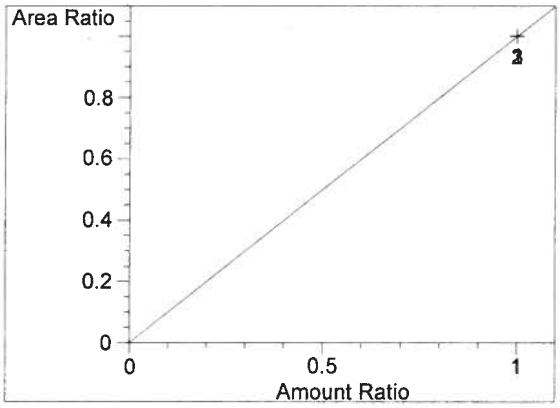
Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99969
Residual Std. Dev.: 0.01844
Formula: y = mx + b
m: 4.50123
b: 1.41920e-2
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

==========

A
20.2 mg/24

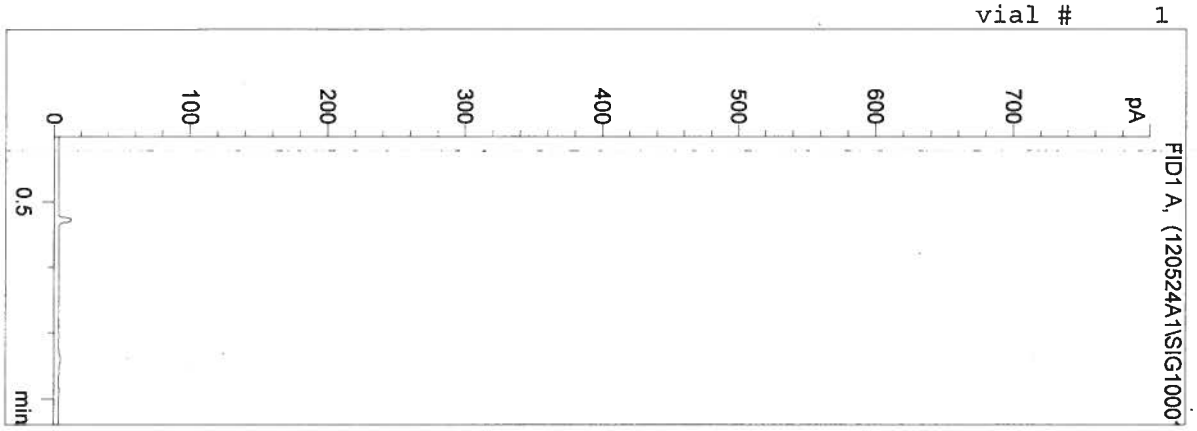
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

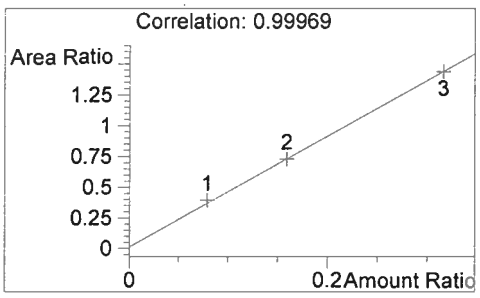
C:\HPCHEM\1\METHODS\SIMALC1.M
5/24/2012 10:18:31 AM
Instrument 1
DB-ALC1

blank
asa louis

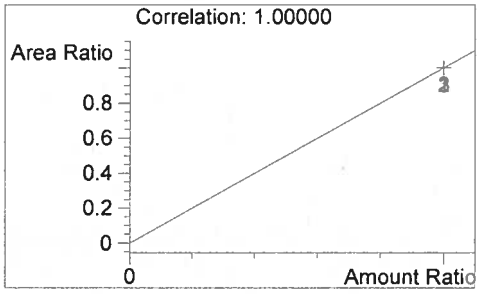
vial # 1



#	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

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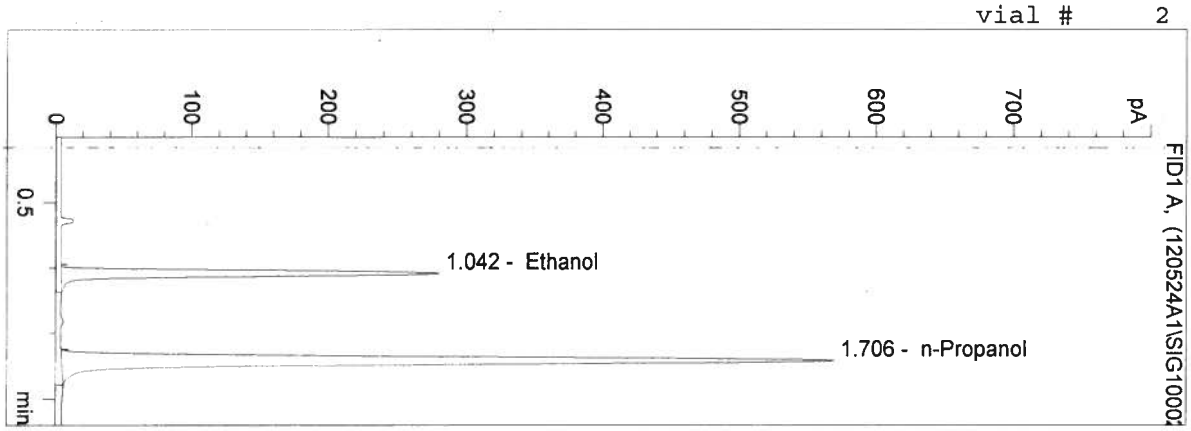
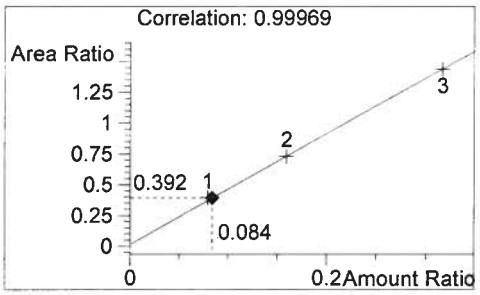
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

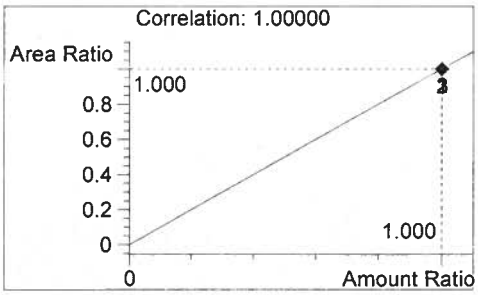
vial # 2



#	Compound	Area	RT
1	Ethanol	879	1.042
2	n-Propanol	2244	1.706
Tot			



Ethanol 0.084 g/100 mL



n-Propanol 1.000 g/100 mL

A 2012 May 24

12023

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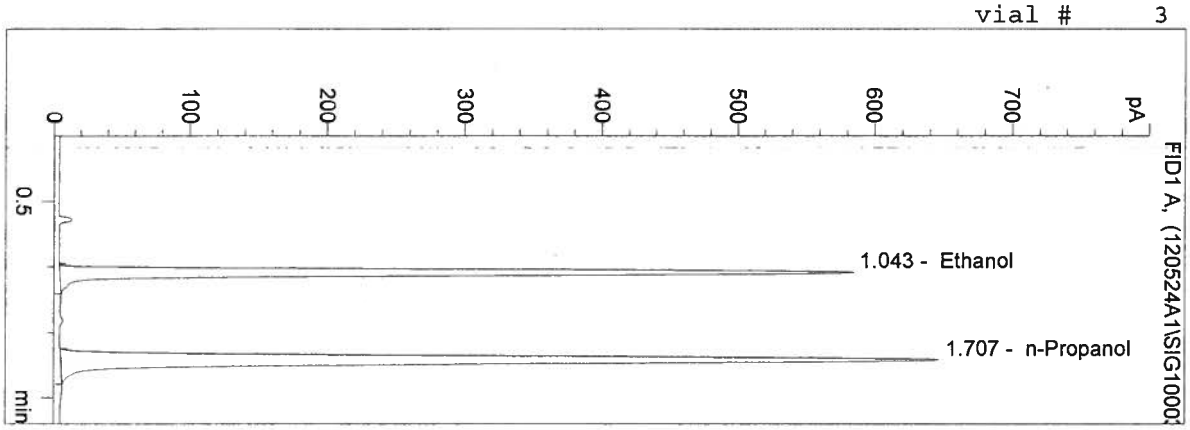
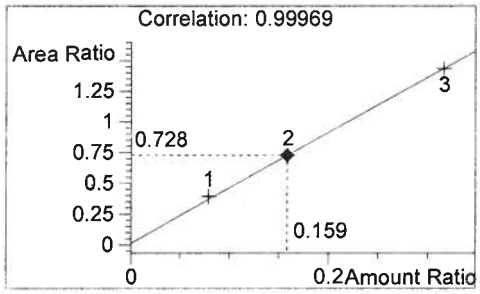
5/24/2012 10:24:41 AM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

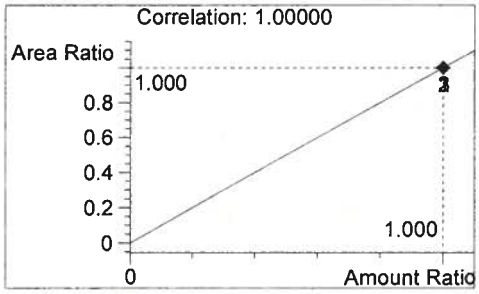
vial # 3



#	Compound	Area	RT
1	Ethanol	1866	1.043
2	n-Propanol	2564	1.707
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

2012 MAY 24

12023

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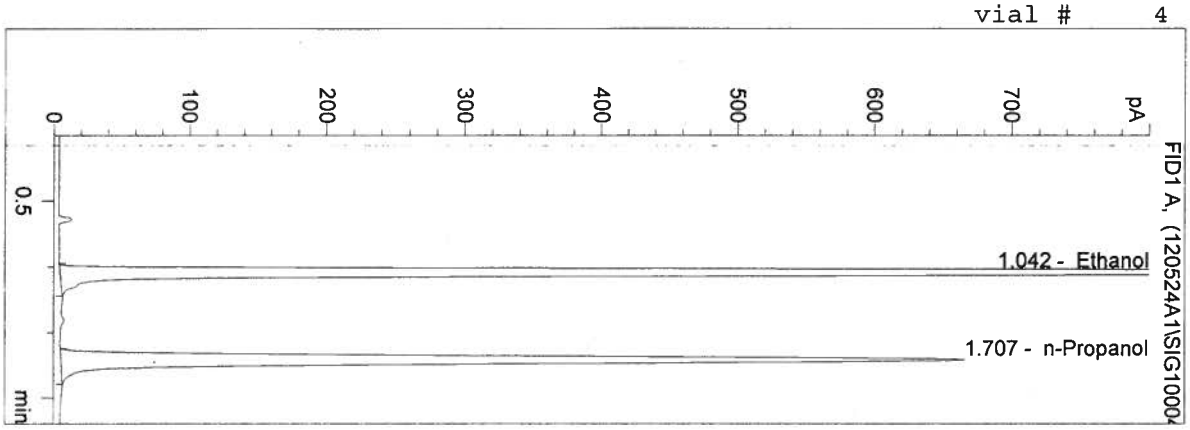
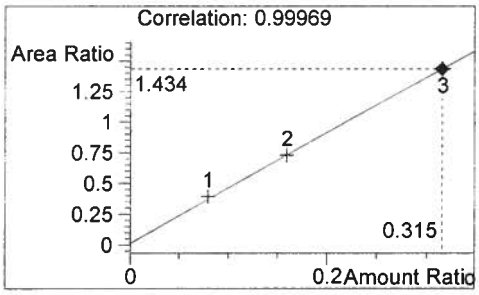
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

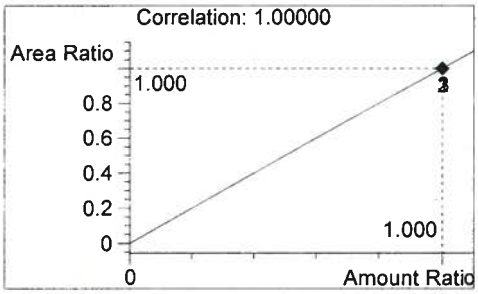
vial # 4



#	Compound	Area	RT
1	Ethanol	3779	1.042
2	n-Propanol	2635	1.707
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 May 24

12023

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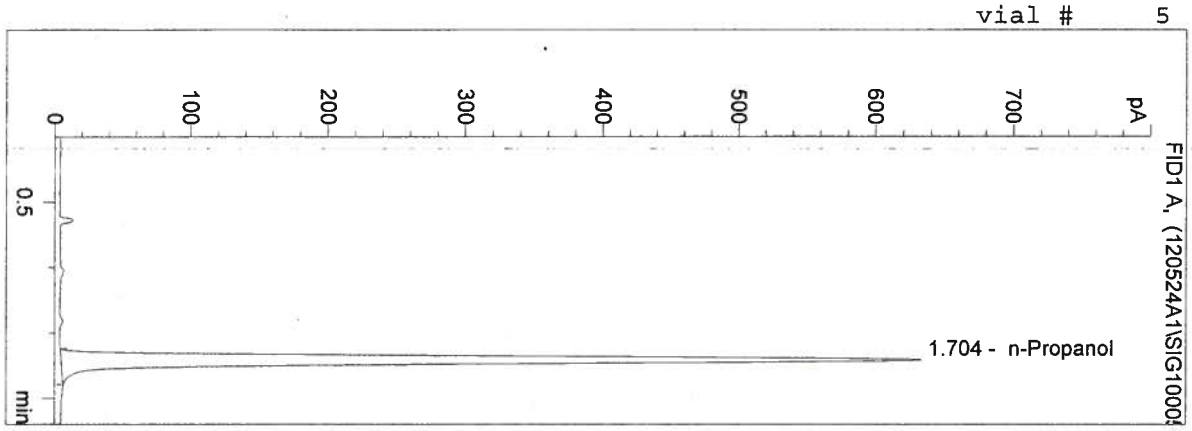
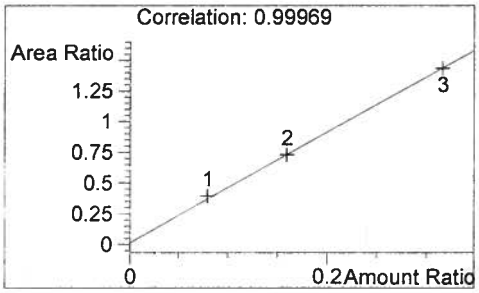
Instrument 1
DB-ALC1

neg control - al
asa louis

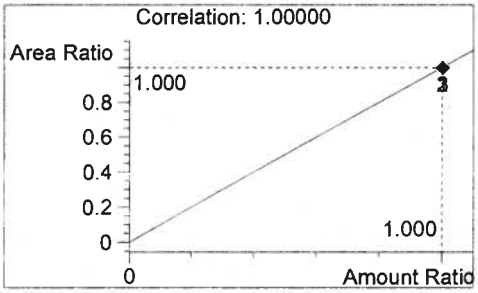
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2507	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 24

12023

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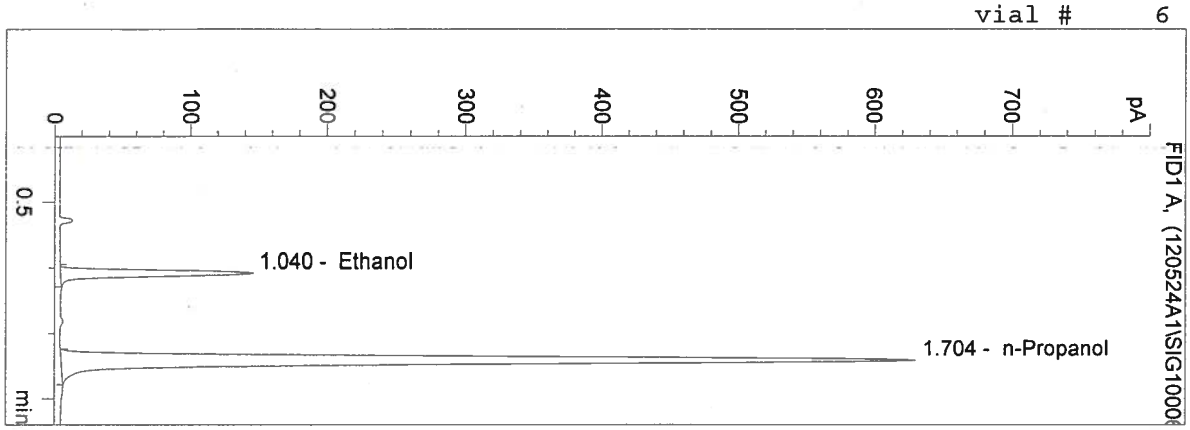
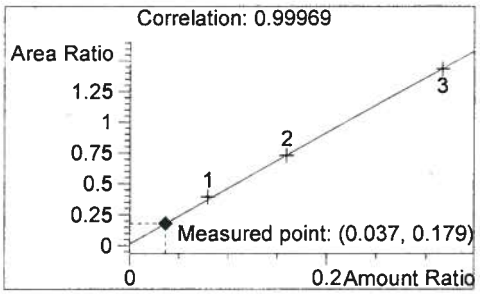
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

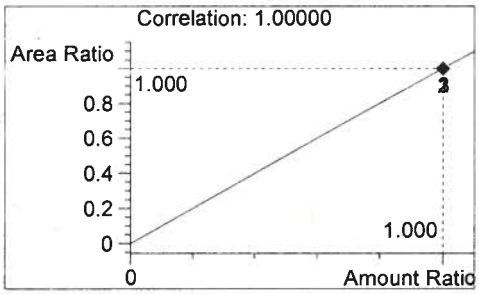
vial # 6



#	Compound	Area	RT
1	Ethanol	444	1.040
2	n-Propanol	2483	1.704
Tot			



Ethanol 0.037 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 24

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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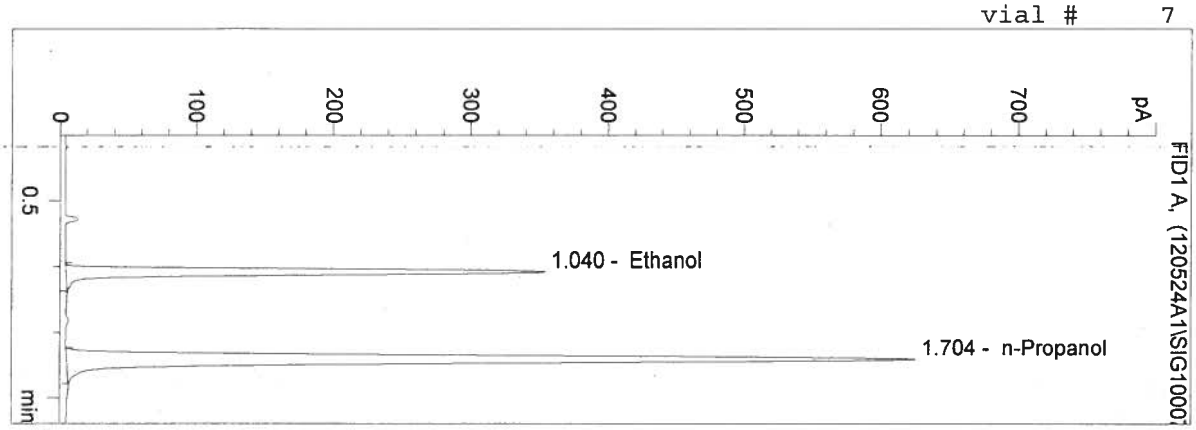
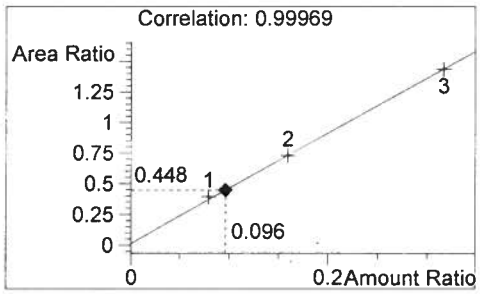
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

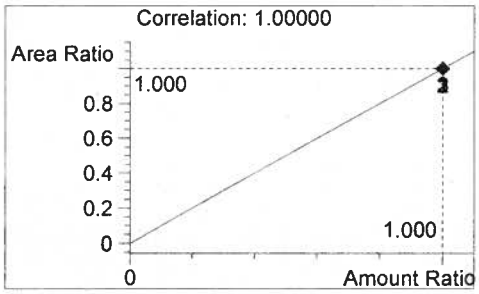
vial # 7



#	Compound	Area	RT
1	Ethanol	1104	1.040
2	n-Propanol	2466	1.704
Tot			



Ethanol 0.096 g/100 mL



n-Propanol 1.000 g/100 mL

2012 MAY 24

1202

WASHINGTON STATE TOXICOLOGY LABORATORY

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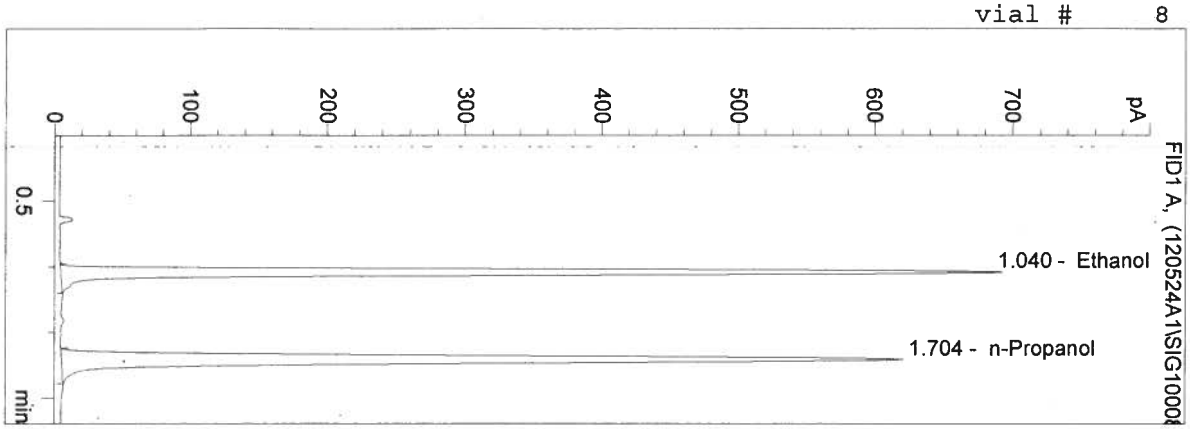
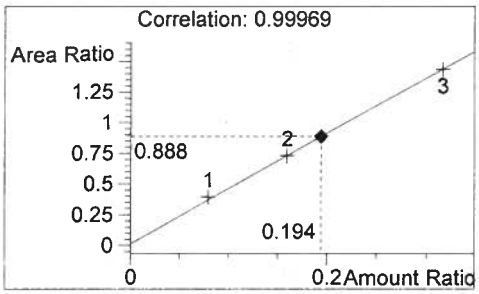
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

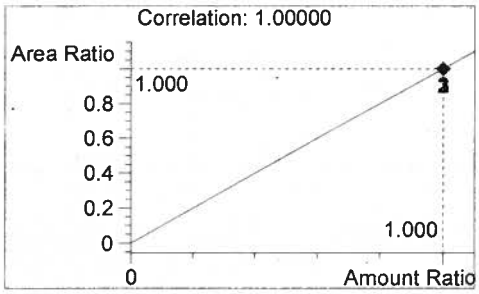
vial # 8



#	Compound	Area	RT
1	Ethanol	2165	1.040
2	n-Propanol	2439	1.704
Tot			



Ethanol 0.194 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 24

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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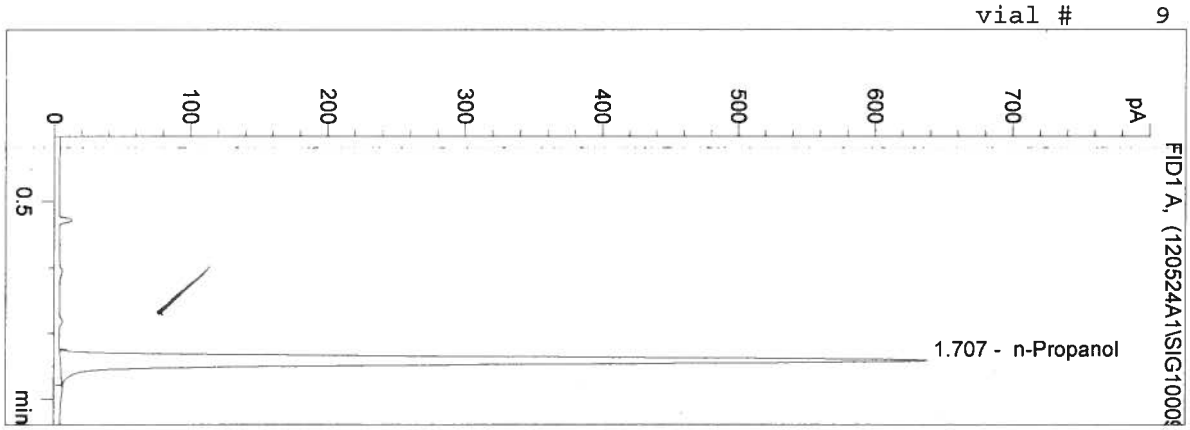
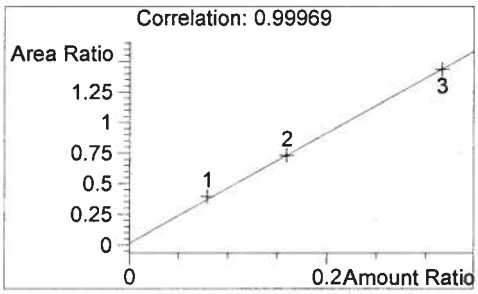
Instrument 1
DB-ALC1

neg control - al
asa louis

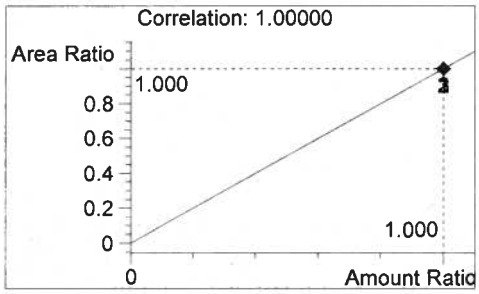
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2522	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AK
2012 MAY 24

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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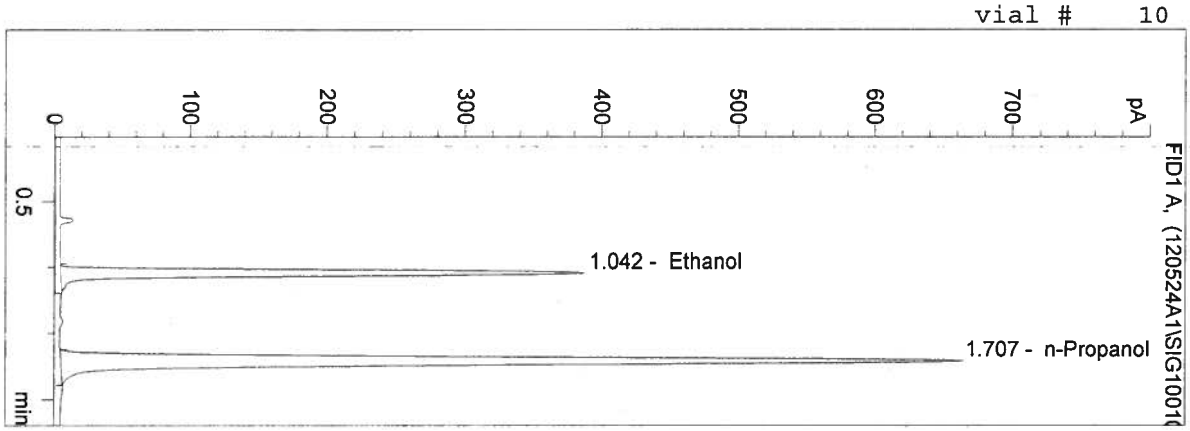
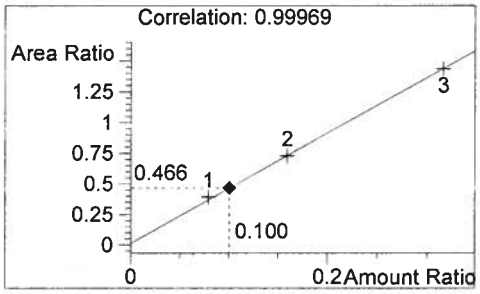
Instrument 1
DB-ALC1

12023 #1
asa louis

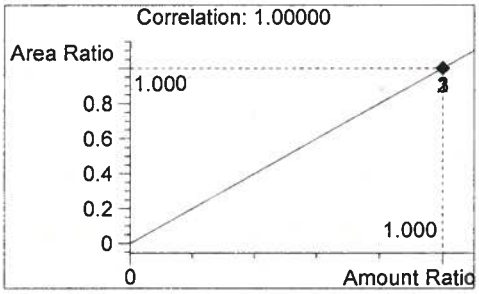
vial # 10



#	Compound	Area	RT
1	Ethanol	1223	1.042
2	n-Propanol	2627	1.707
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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20.2mg/24

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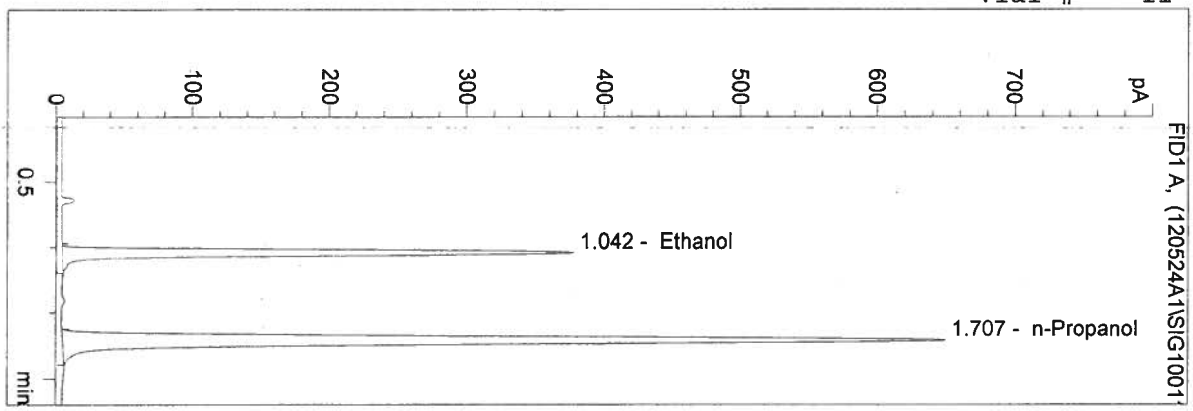
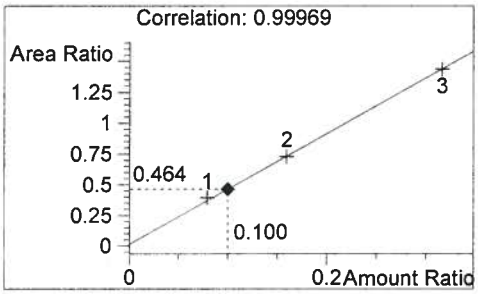
Instrument 1
DB-ALC1

12023 #2
asa louis

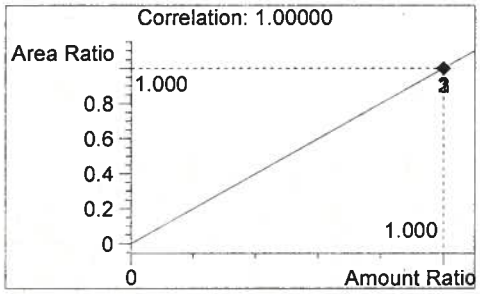
vial # 11



#	Compound	Area	RT
1	Ethanol	1193	1.042
2	n-Propanol	2571	1.707
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 24

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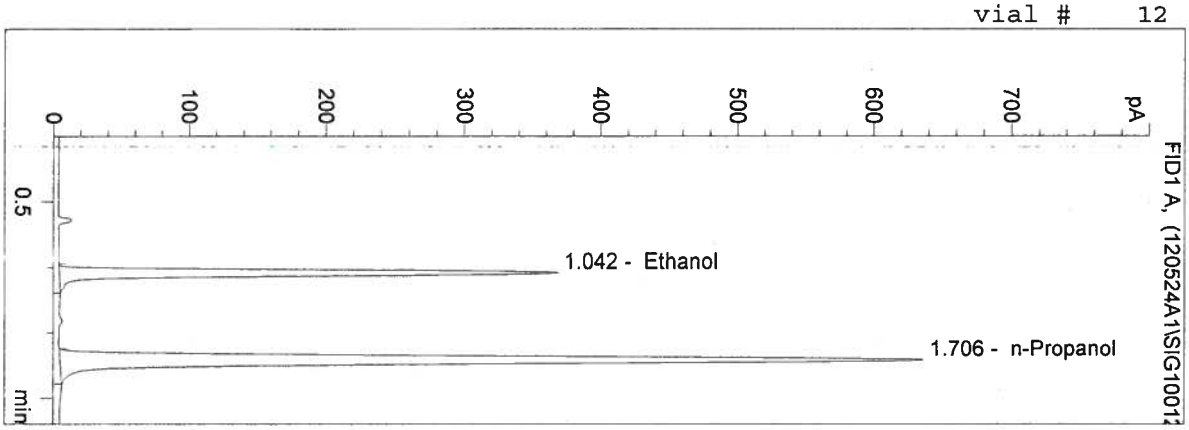
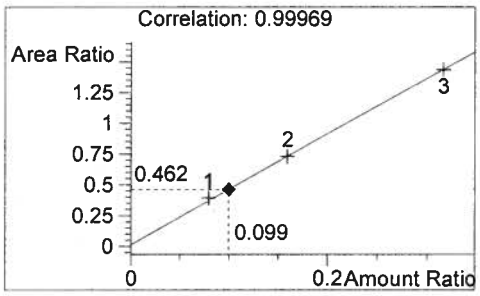
5/24/2012 10:52:23 AM
Instrument 1
DB-ALC1

12023 #3
asa louis

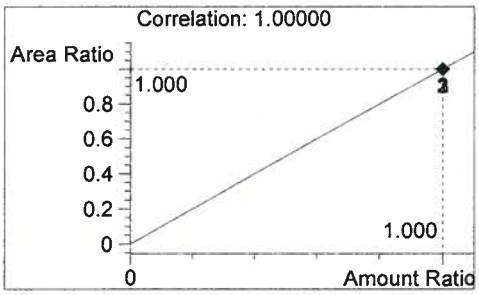
vial # 12



#	Compound	Area	RT
1	Ethanol	1160	1.042
2	n-Propanol	2510	1.706
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

AC
2012 MAY 24

WASHINGTON STATE TOXICOLOGY LABORATORY

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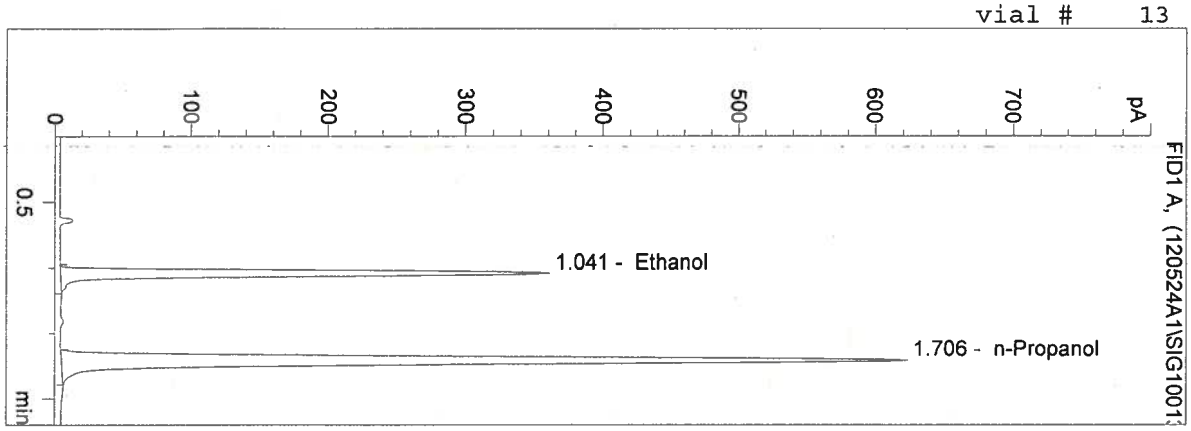
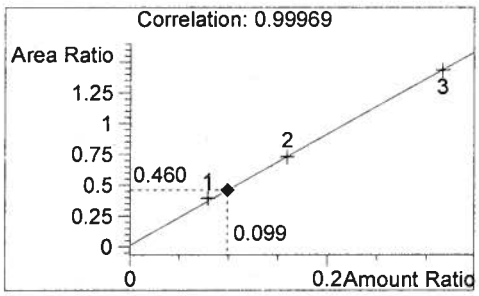
Instrument 1
DB-ALC1

12023 #4
asa louis

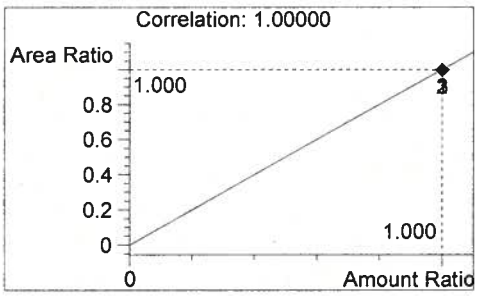
vial # 13



#	Compound	Area	RT
1	Ethanol	1128	1.041
2	n-Propanol	2454	1.706
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

2012 MAY 24

WASHINGTON STATE TOXICOLOGY LABORATORY

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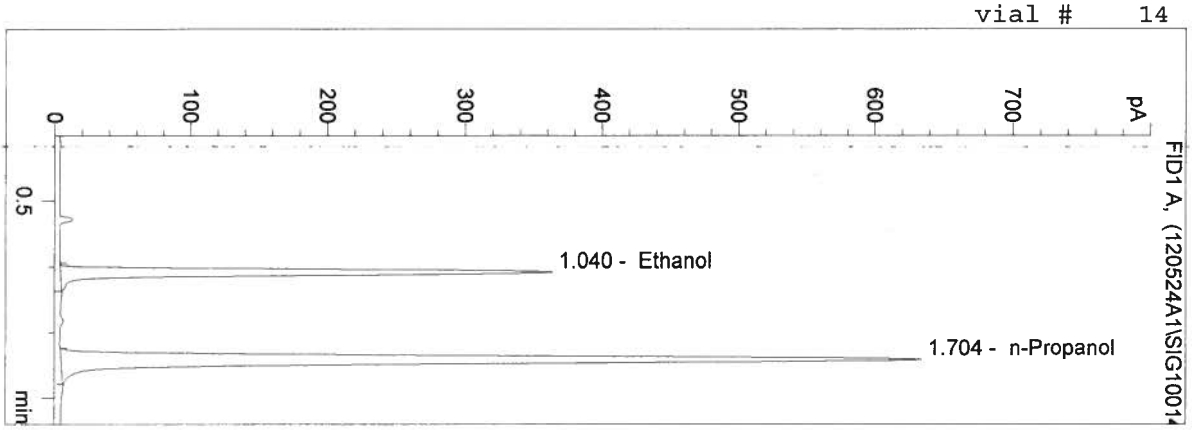
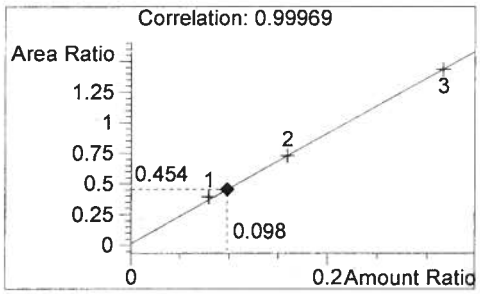
5/24/2012 10:58:32 AM
Instrument 1
DB-ALC1

12023 #5
asa louis

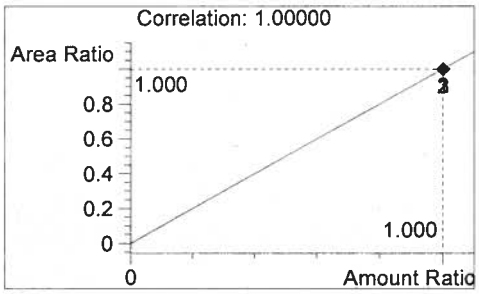
vial # 14



#	Compound	Area	RT
1	Ethanol	1138	1.040
2	n-Propanol	2505	1.704
Tot			



Ethanol 0.098 g/100 mL



n-Propanol 1.000 g/100 mL

A
2012 MAY 24

WASHINGTON STATE TOXICOLOGY LABORATORY

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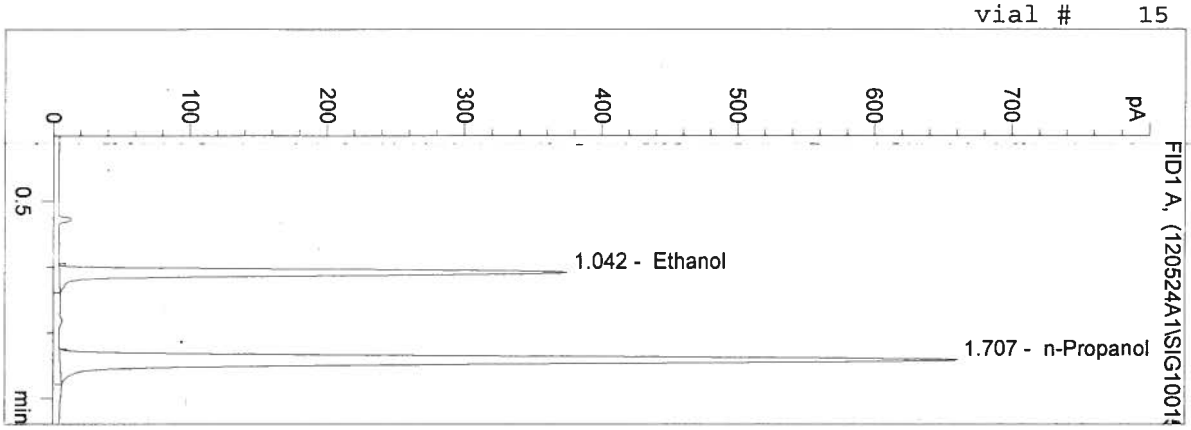
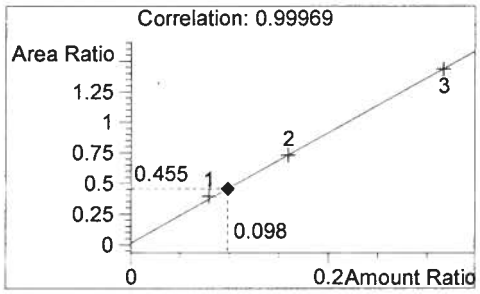
5/24/2012 11:01:37 AM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

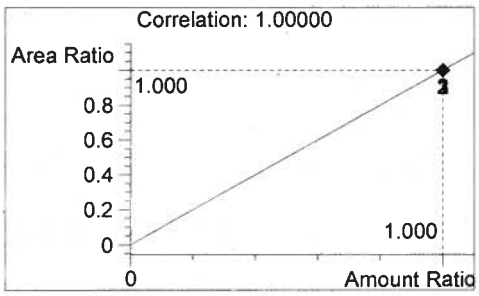
vial # 15



#	Compound	Area	RT
1	Ethanol	1189	1.042
2	n-Propanol	2613	1.707
Tot			



Ethanol 0.098 g/100 mL



n-Propanol 1.000 g/100 mL

A
2012 MAY 24

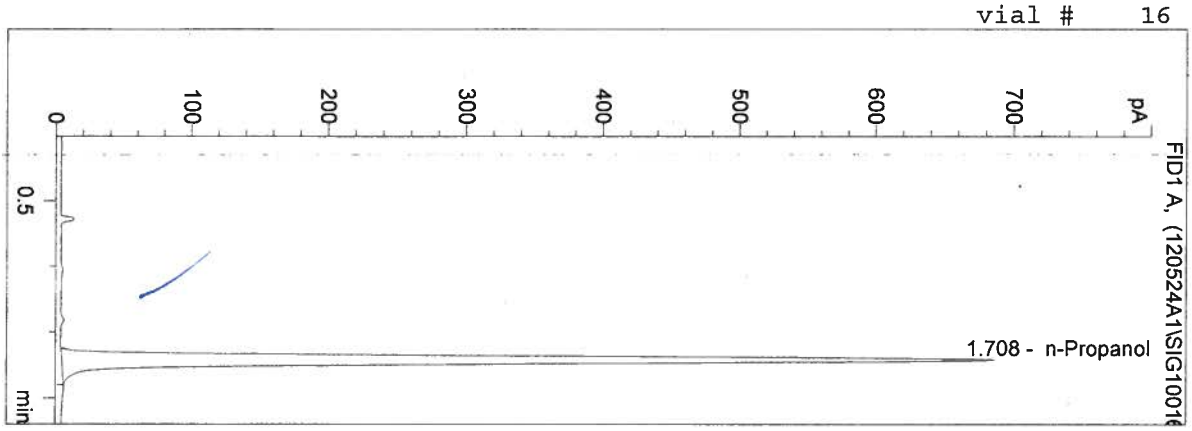
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/24/2012 11:04:42 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

vial # 16



#	Compound	Area	RT
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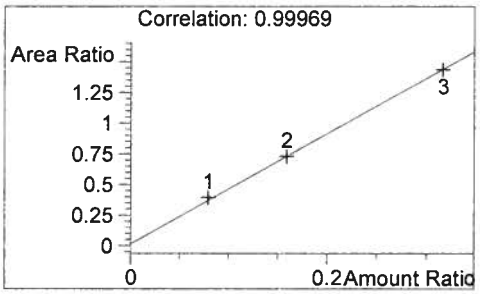
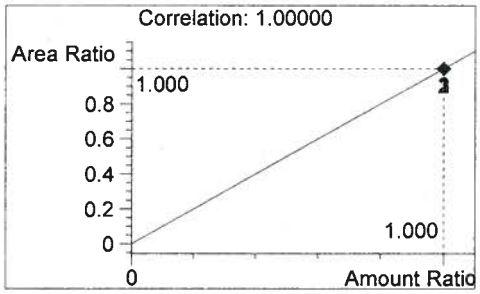
2	n-Propanol	2717	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 MAY 24

12023

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:	120530JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0412-01 - Exp. 07/11/2012
Ethanol Calibrator 2, E0412-02 - Exp. 07/11/2012
Ethanol Calibrator 3, E0412-03 - Exp. 07/11/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0412-01 - Exp 07/11/2012
3	Vial 3	E0412-02 - Exp 07/11/2012
4	Vial 4	E0412-03 - Exp 07/11/2012
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	

12023

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	12023-1	SIMALC1	1	Sample		
11	Vial 11	12023-2	SIMALC1	1	Sample		
12	Vial 12	12023-3	SIMALC1	1	Sample		
13	Vial 13	12023-4	SIMALC1	1	Sample		
14	Vial 14	12023-5	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!

12023

Calibration Table

Calib. Data Modified : Wednesday, May 30, 2012 9:29:16 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]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	938.96021	8.43273e-5	1		Ethanol
		2	1.59320e-1	1817.90308	8.76394e-5			
		3	3.16260e-1	3429.91724	9.22063e-5			
1.705	1	1	1.00000	2584.37695	3.86940e-4	I1		n-Propanol
		2	1.00000	2524.56030	3.96109e-4			
		3	1.00000	2439.08618	4.09990e-4			

Peak Sum Table

No Entries in table

12023

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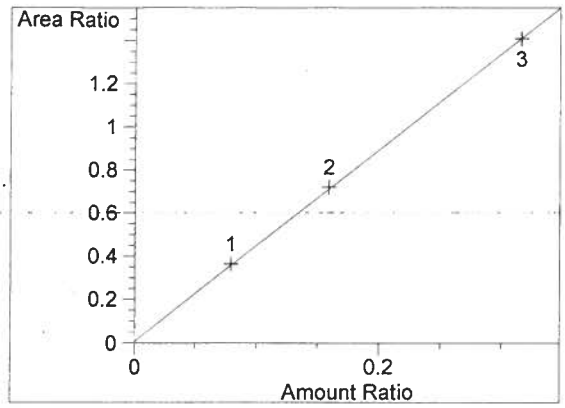
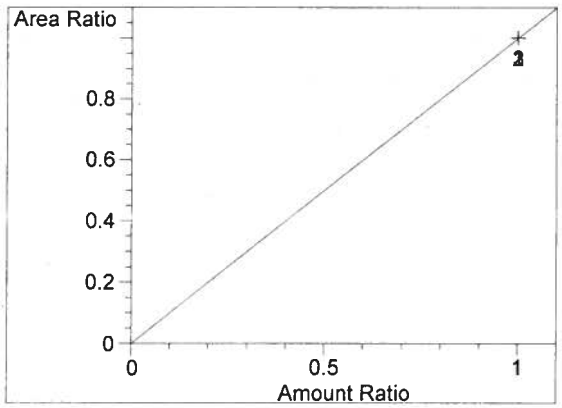
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00801
Formula: y = mx + b
m: 4.43861
b: 6.81957e-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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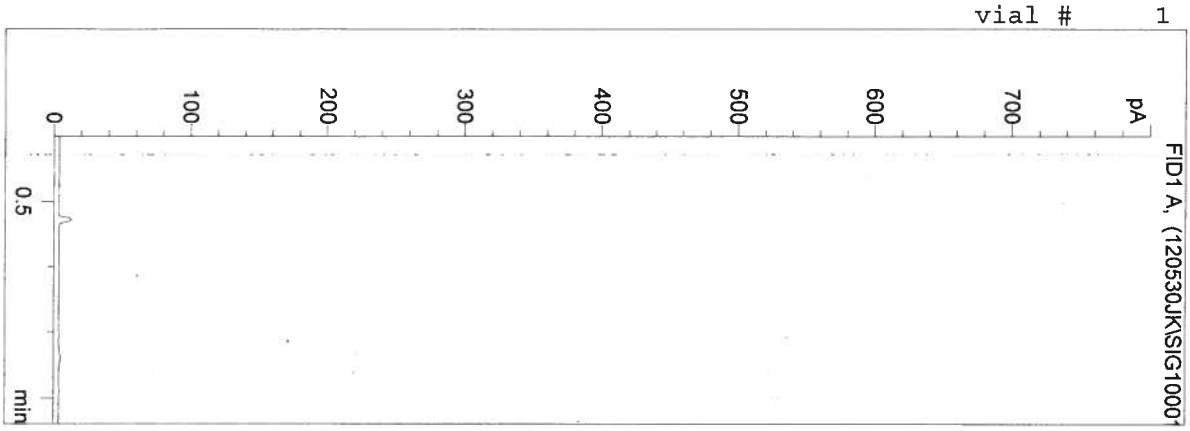
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

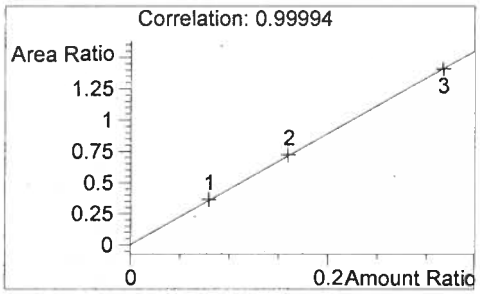
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 9:17:48 AM
Instrument 1
DB-ALC1

BLANK
Justin Knoy

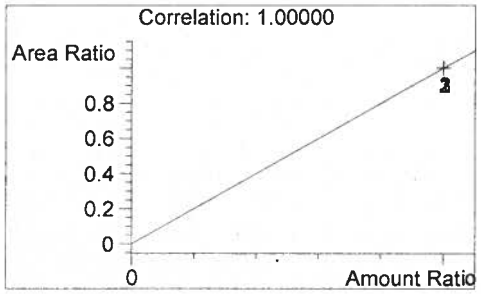
vial # 1



#	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

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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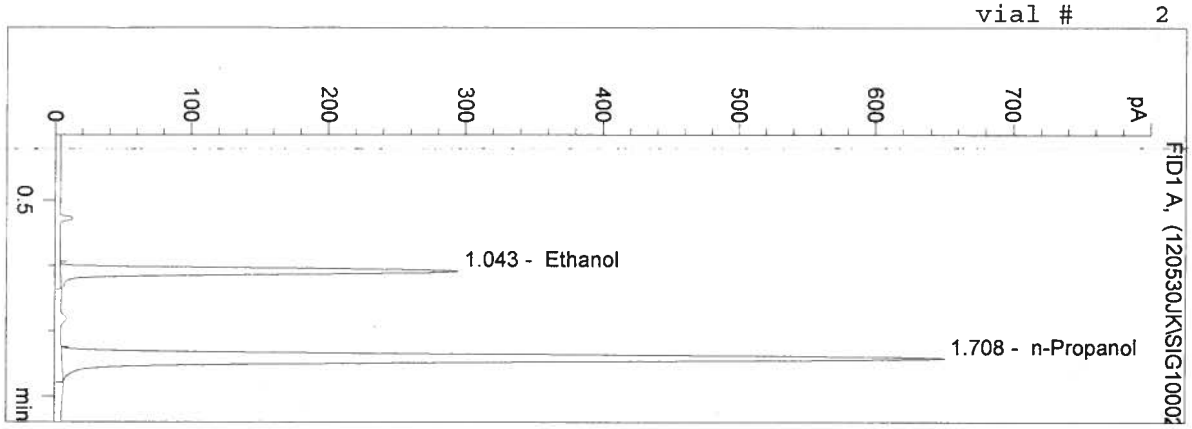
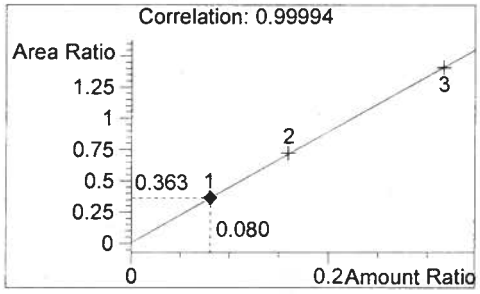
5/30/2012 9:20:53 AM
Instrument 1
DB-ALC1

CAL1 0.079
Justin Knoy

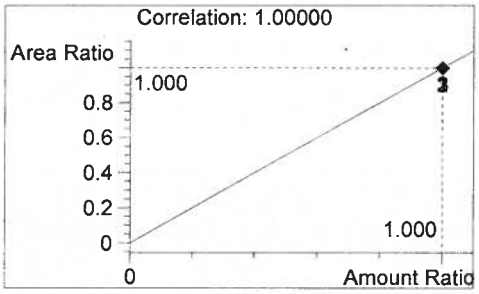
vial # 2



#	Compound	Area	RT
1	Ethanol	939	1.043
2	n-Propanol	2584	1.708
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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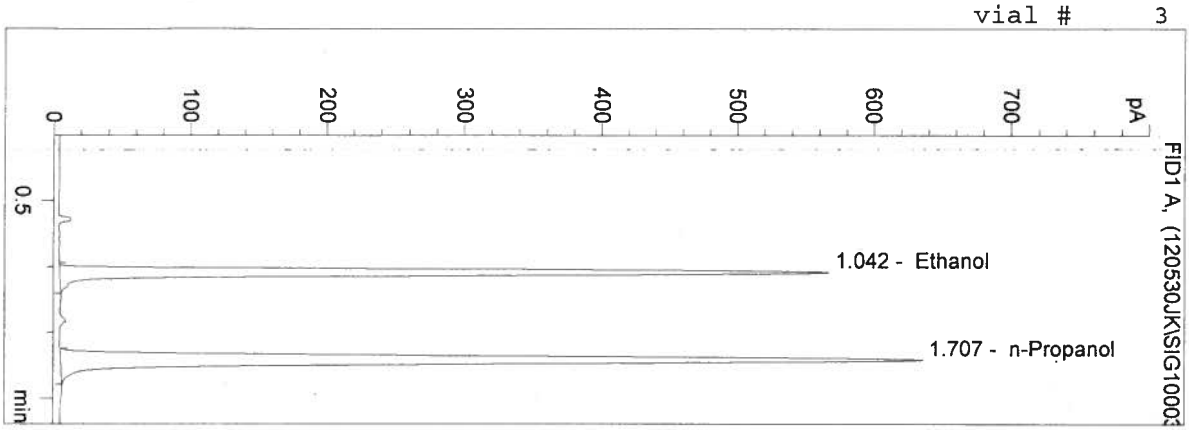
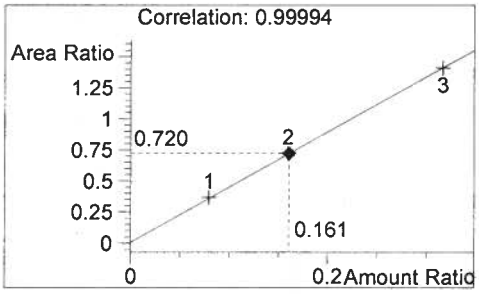
5/30/2012 9:23:58 AM
Instrument 1
DB-ALC1

CAL2 0.158
Justin Knoy

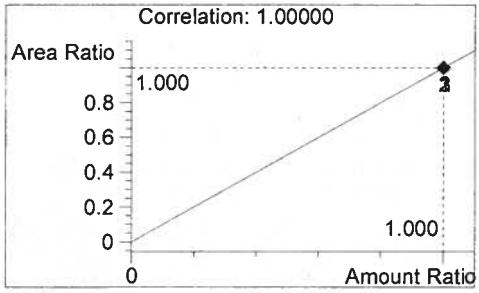
vial # 3



#	Compound	Area	RT
1	Ethanol	1818	1.042
2	n-Propanol	2525	1.707
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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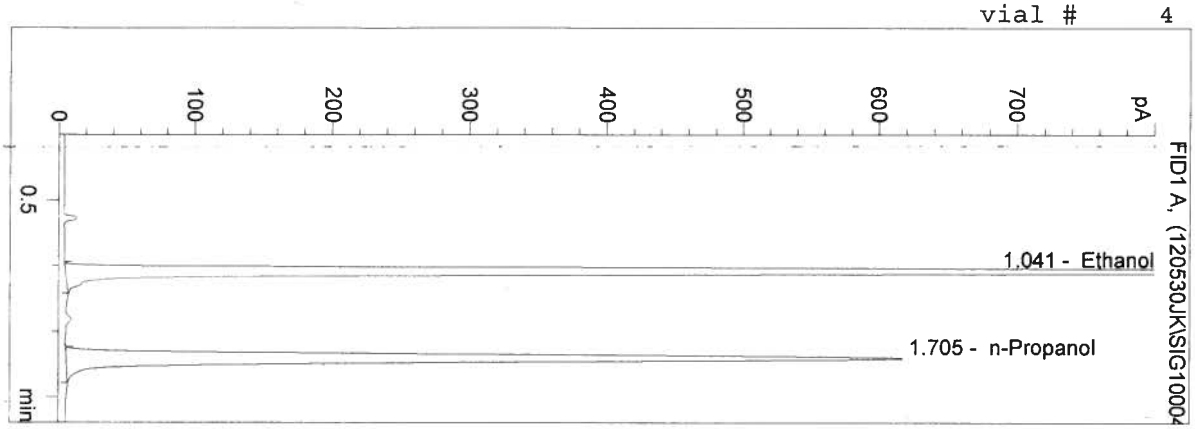
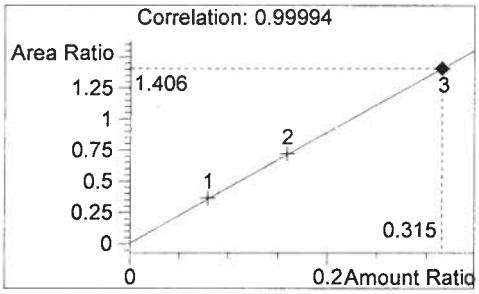
5/30/2012 9:27:03 AM
Instrument 1
DB-ALC1

CAL3 0.316
Justin Knoy

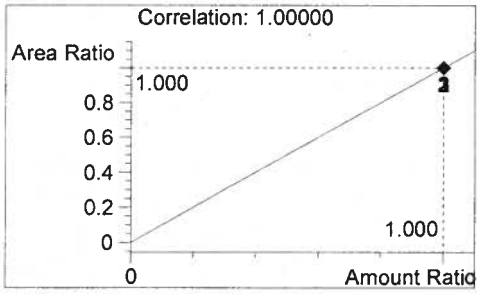
vial # 4



#	Compound	Area	RT
1	Ethanol	3430	1.041
2	n-Propanol	2439	1.705
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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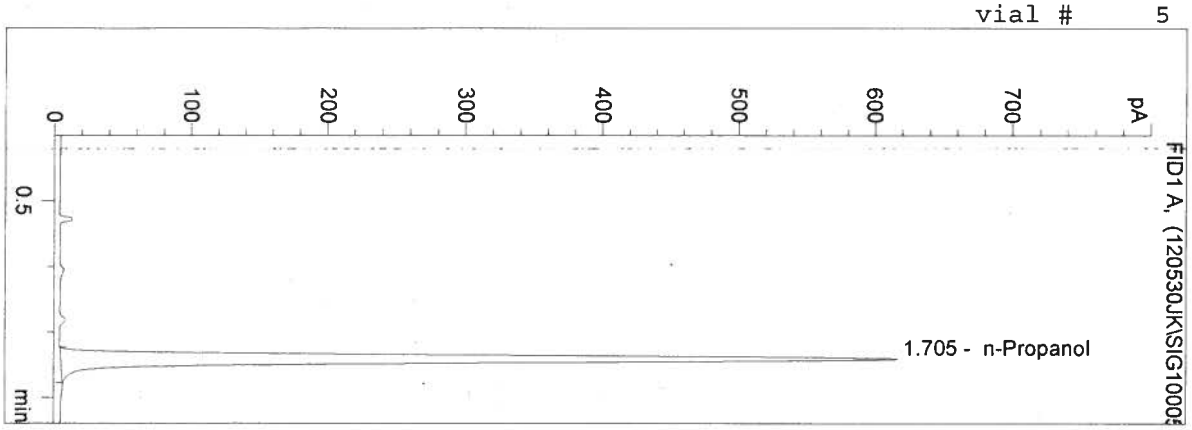
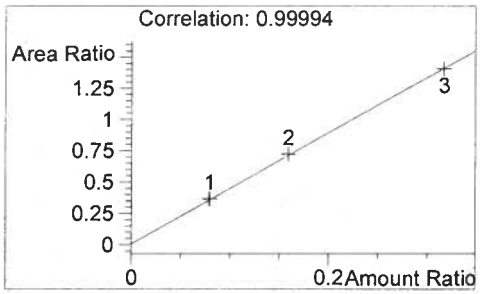
5/30/2012 9:30:07 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

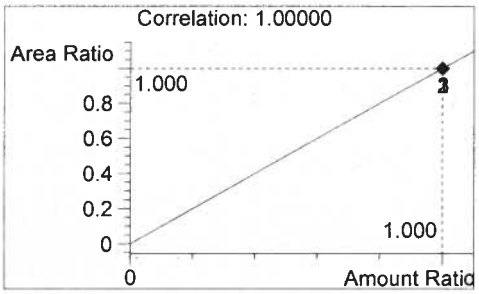
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2432	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

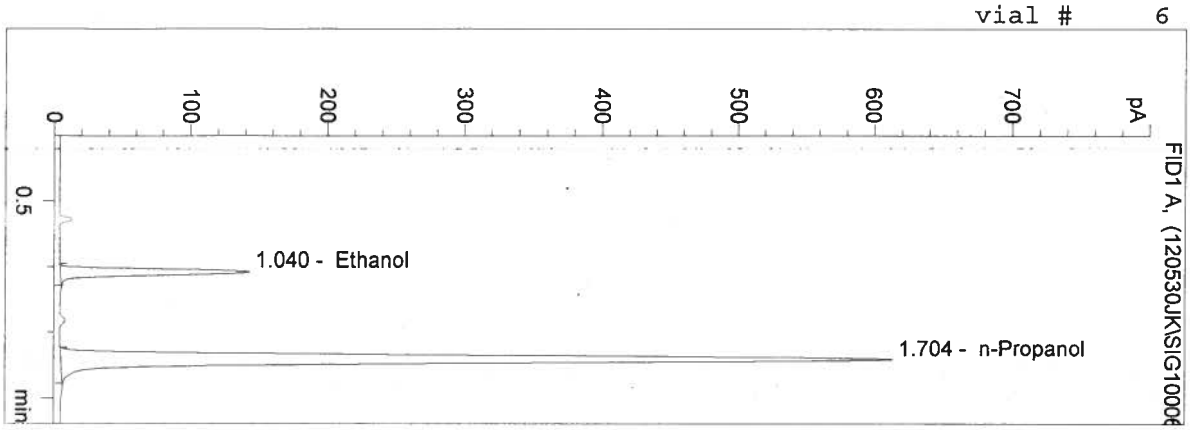
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

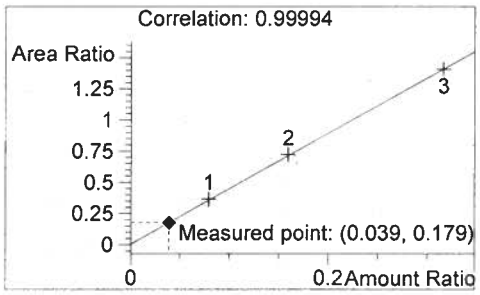
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 9:33:12 AM
Instrument 1
DB-ALC1

0.04 CTRL JK
Justin Knoy

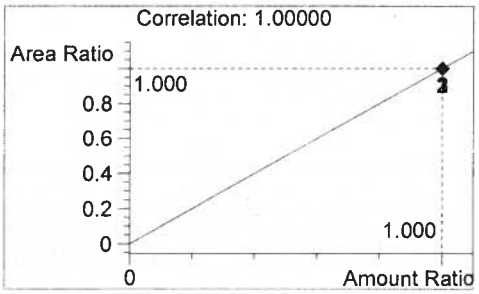
vial # 6



#	Compound	Area	RT
1	Ethanol	435	1.040
2	n-Propanol	2428	1.704
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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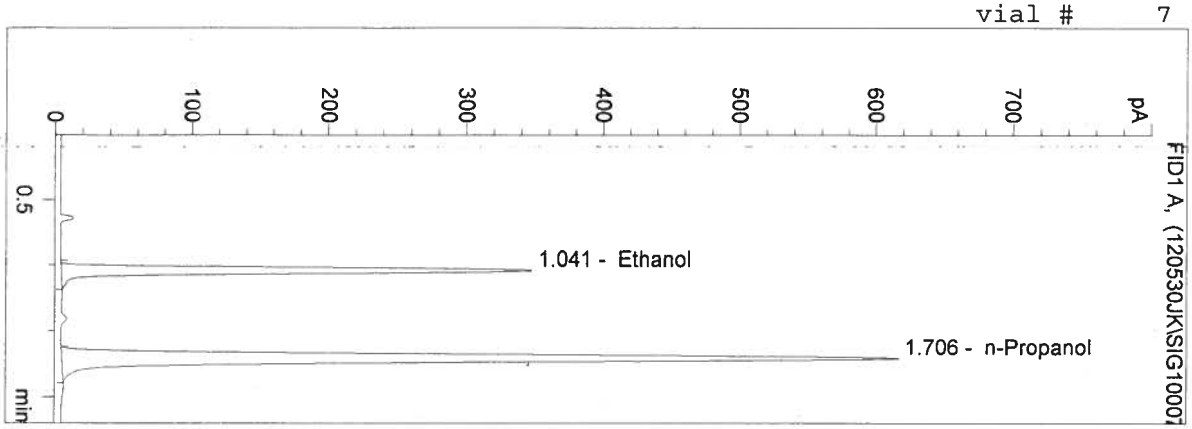
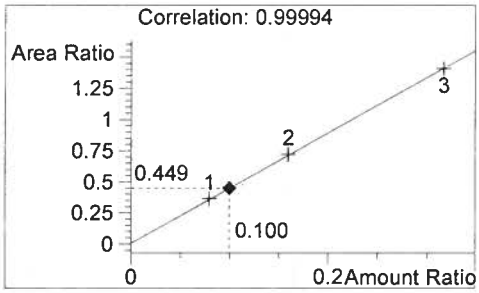
5/30/2012 9:36:17 AM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

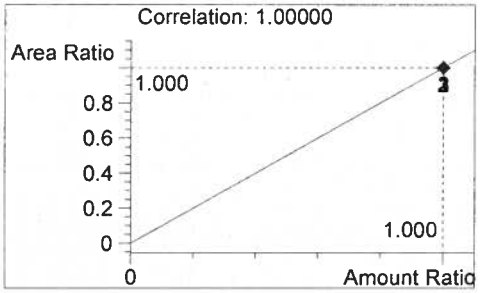
vial # 7



#	Compound	Area	RT
1	Ethanol	1095	1.041
2	n-Propanol	2441	1.706
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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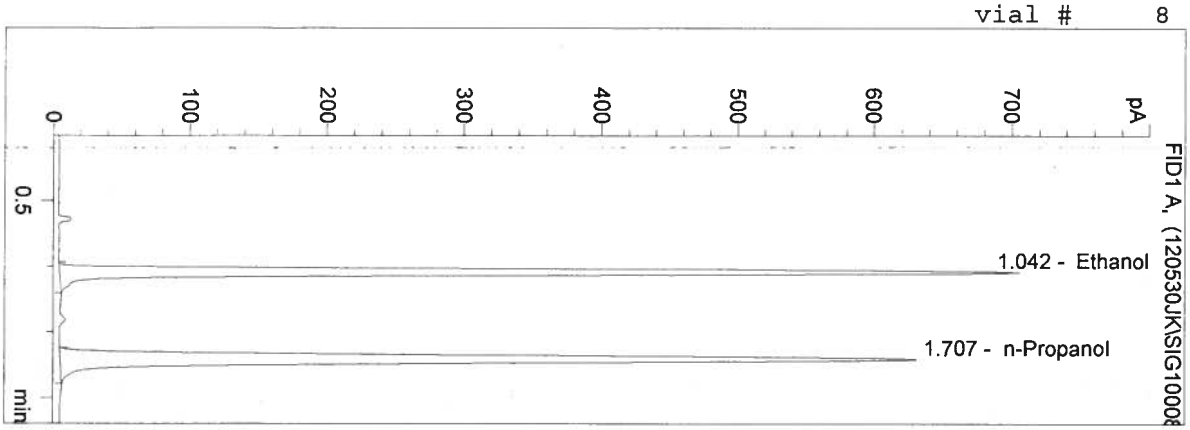
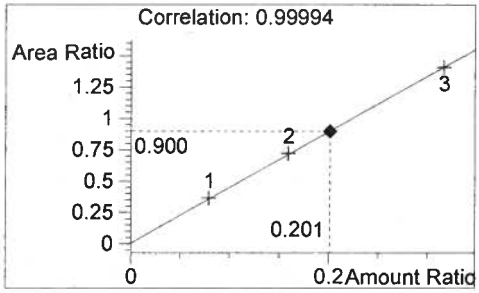
5/30/2012 9:39:22 AM
Instrument 1
DB-ALC1

0.20 CTRL JK
Justin Knoy

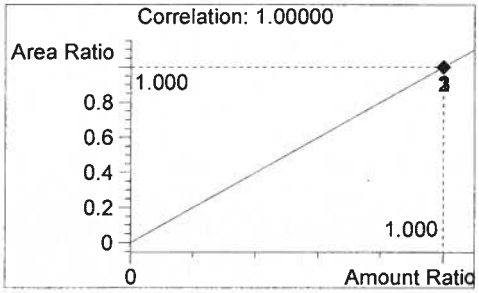
vial # 8



#	Compound	Area	RT
1	Ethanol	2248	1.042
2	n-Propanol	2499	1.707
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

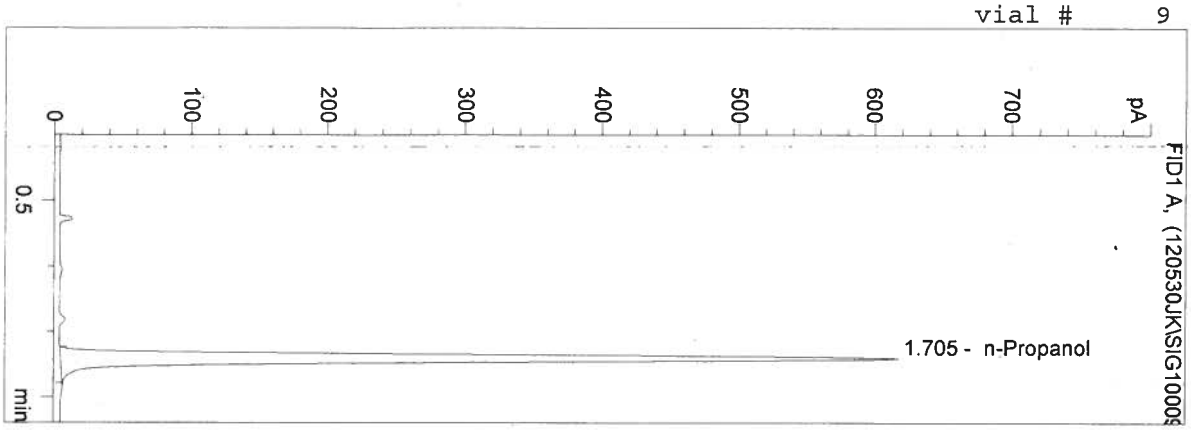
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

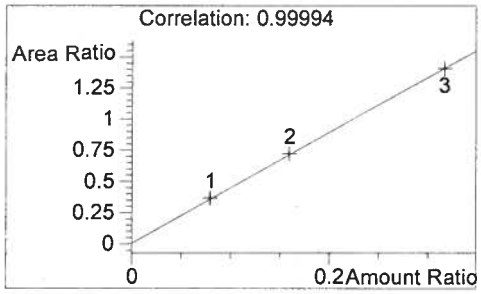
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 9:42:26 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

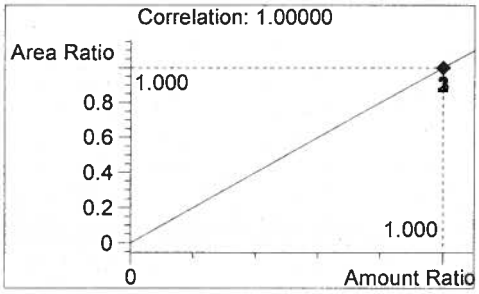
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2438	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

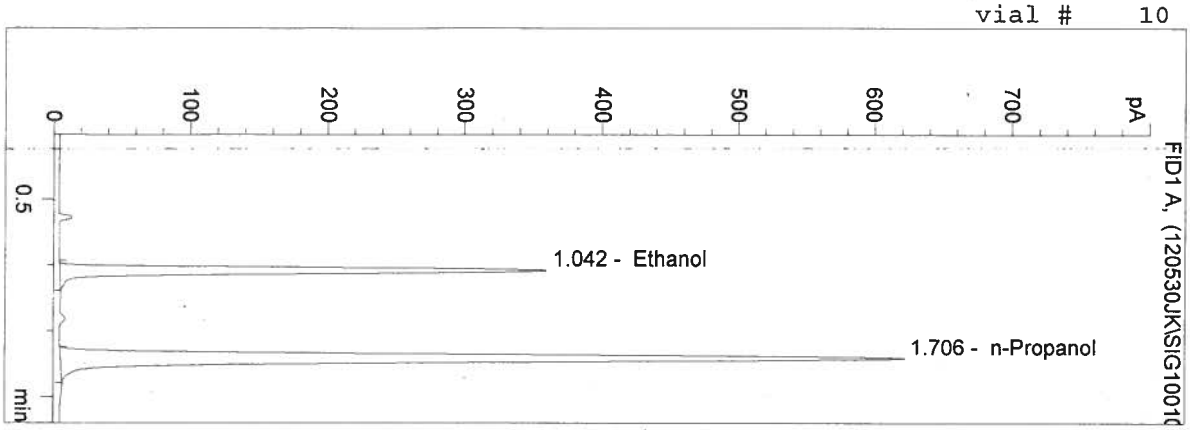
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

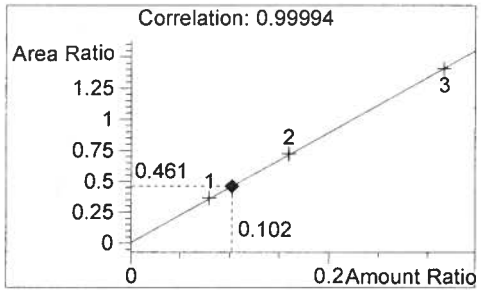
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 9:45:31 AM
Instrument 1
DB-ALC1

12023-1
Justin Knoy

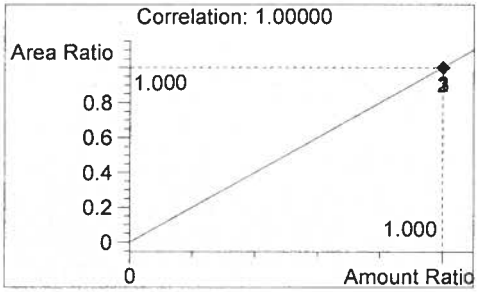
vial # 10



#	Compound	Area	RT
1	Ethanol	1134	1.042
2	n-Propanol	2460	1.706
Tot			



Ethanol 0.102 g/100 mL



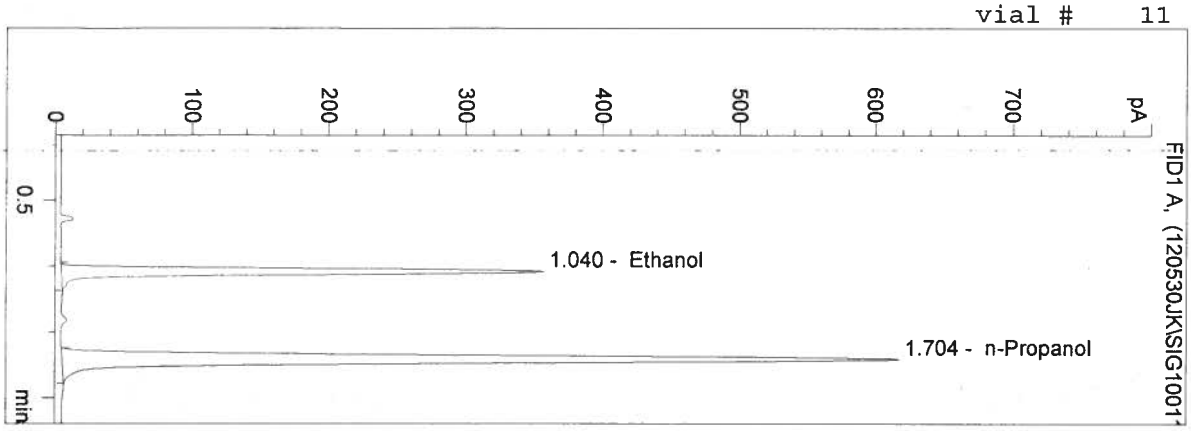
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

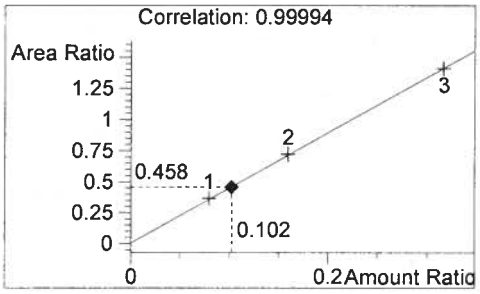
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 9:48:36 AM
Instrument 1
DB-ALC1

12023-2
Justin Knoy

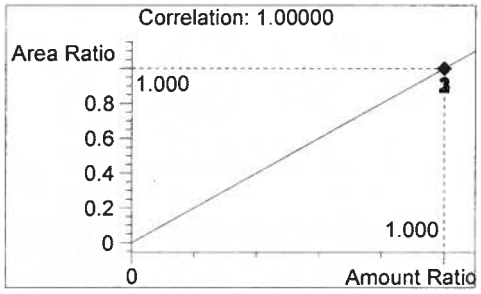
vial # 11



#	Compound	Area	RT
1	Ethanol	1119	1.040
2	n-Propanol	2442	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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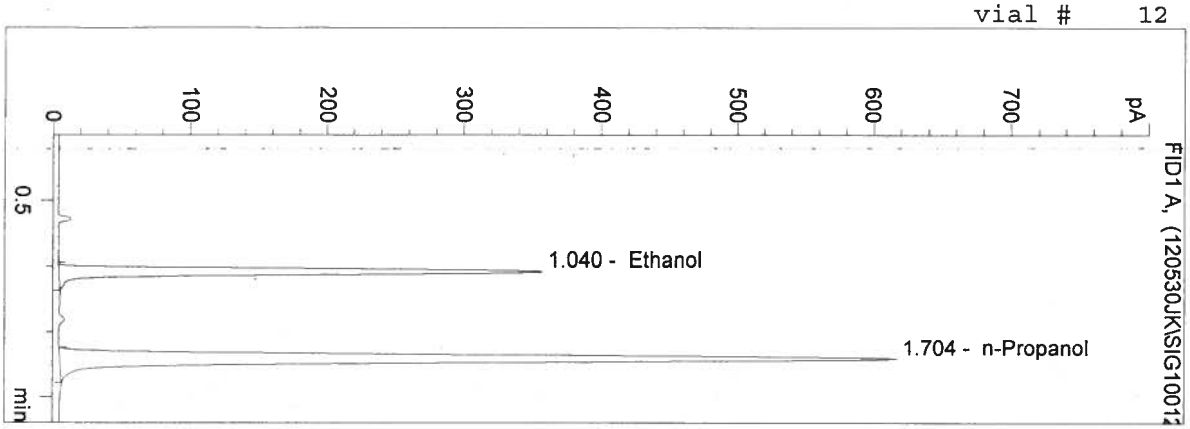
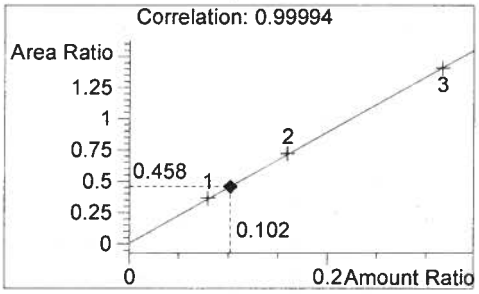
5/30/2012 9:51:41 AM
Instrument 1
DB-ALC1

12023-3
Justin Knoy

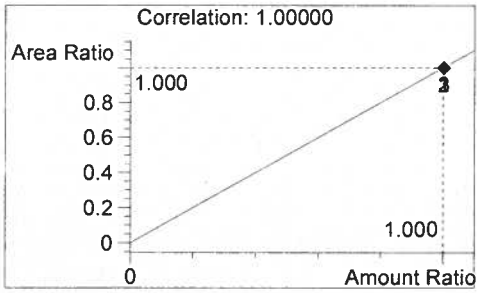
vial # 12



#	Compound	Area	RT
1	Ethanol	1116	1.040
2	n-Propanol	2435	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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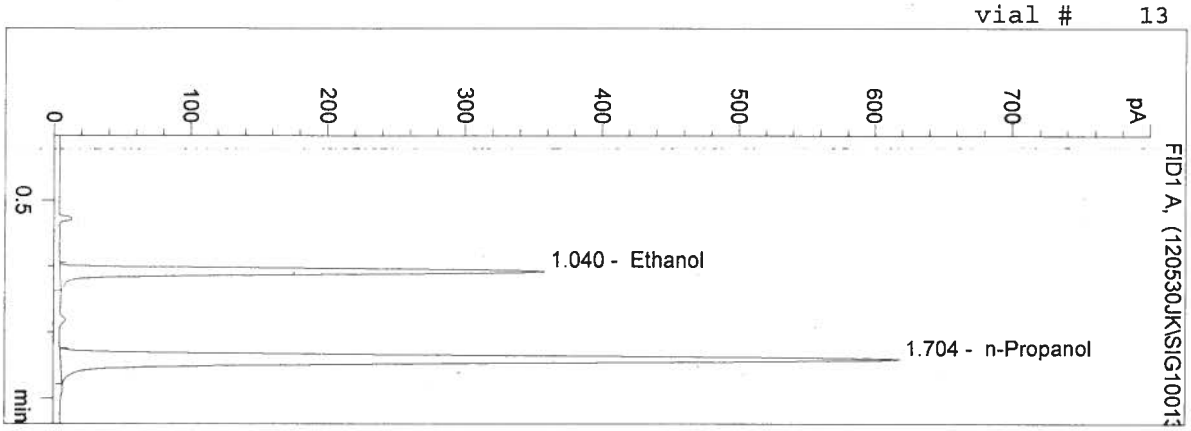
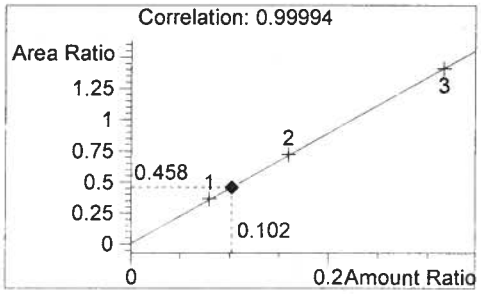
5/30/2012 9:54:45 AM
Instrument 1
DB-ALC1

12023-4
Justin Knoy

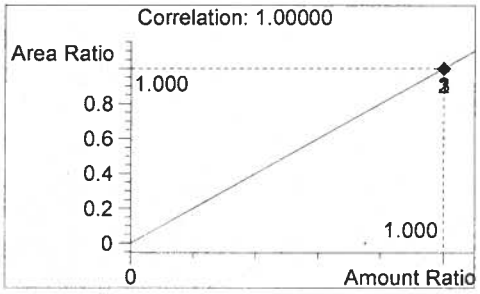
vial # 13



#	Compound	Area	RT
1	Ethanol	1119	1.040
2	n-Propanol	2443	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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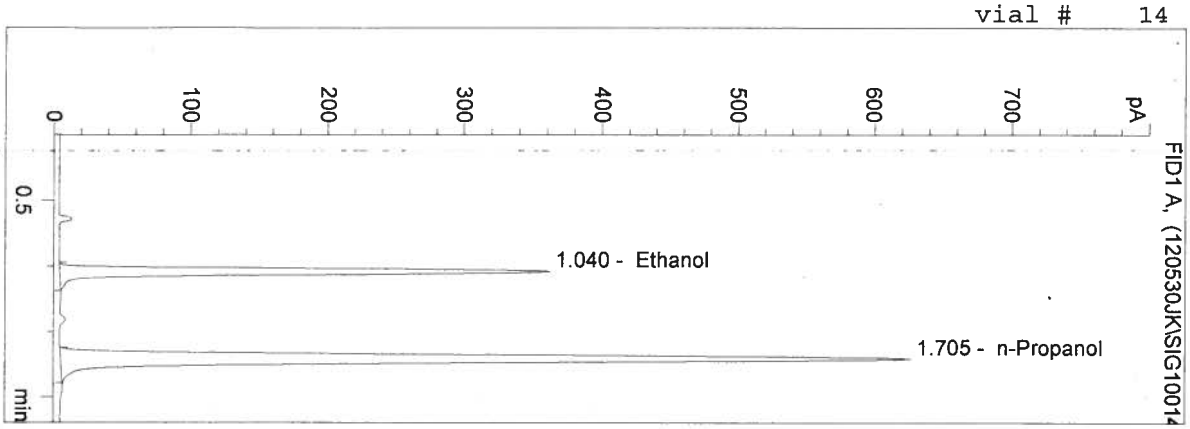
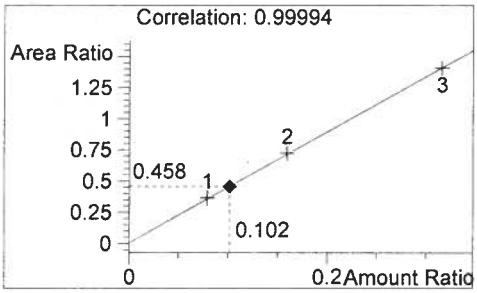
5/30/2012 9:57:50 AM
Instrument 1
DB-ALC1

12023-5
Justin Knoy

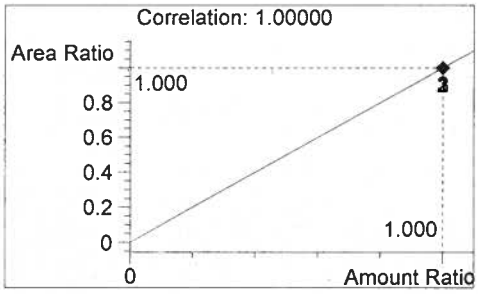
vial # 14



#	Compound	Area	RT
1	Ethanol	1133	1.040
2	n-Propanol	2473	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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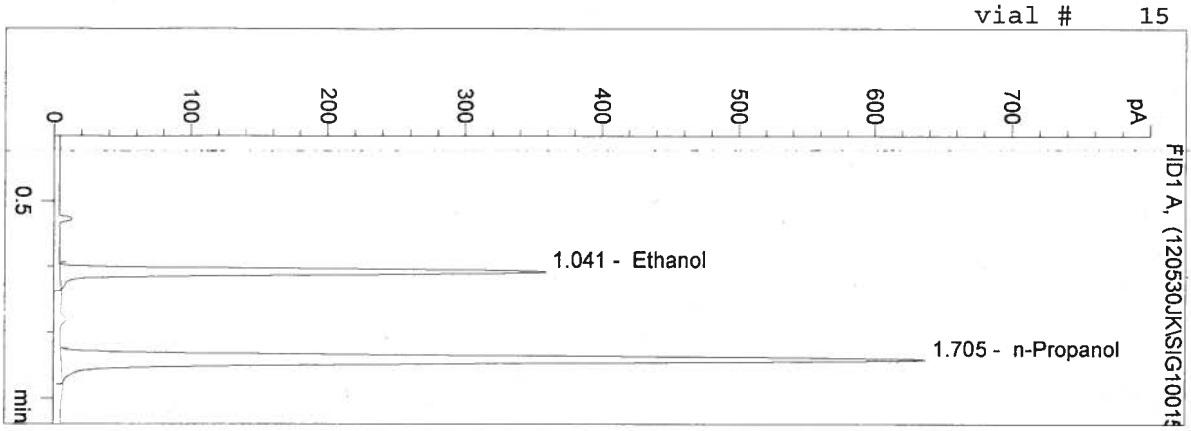
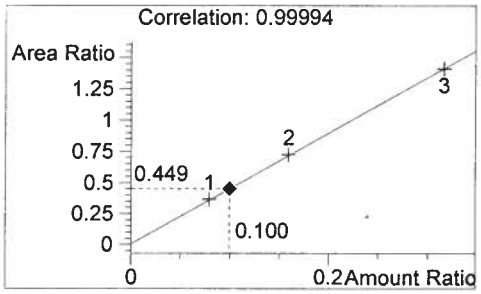
5/30/2012 10:00:55 AM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

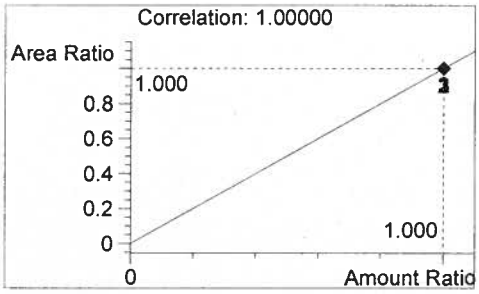
vial # 15



#	Compound	Area	RT
1	Ethanol	1137	1.041
2	n-Propanol	2531	1.705
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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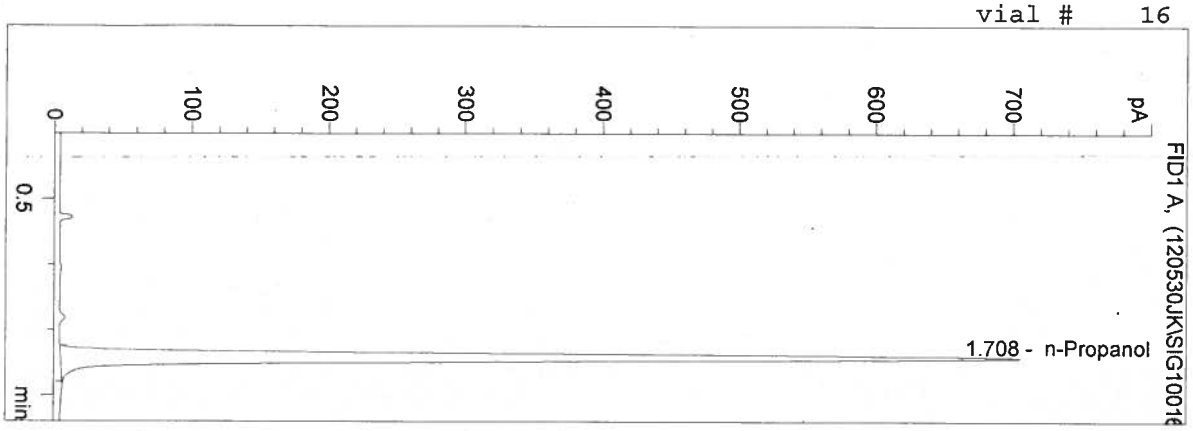
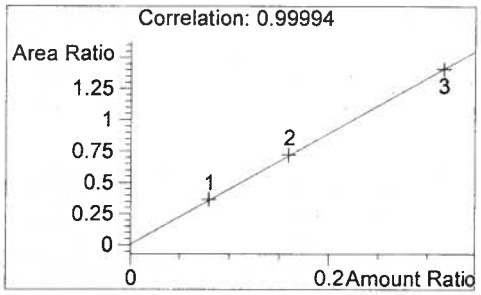
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

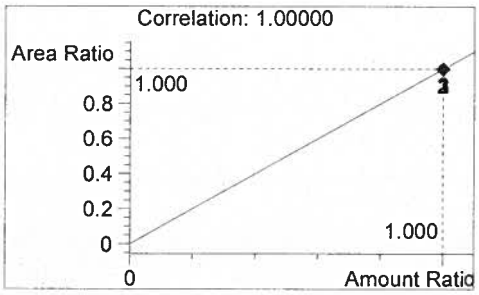
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2807	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12023

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:	120530CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0412-01 - Exp. 07/11/2012
Ethanol Calibrator 2, E0412-02 - Exp. 07/11/2012
Ethanol Calibrator 3, E0412-03 - Exp. 07/11/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E0412-01 - Exp. 07/11/2012
3	Vial 3	Ethanol Calibrator 2, E0412-02 - Exp. 07/11/2012
4	Vial 4	Ethanol Calibrator 3, E0412-03 - Exp. 07/11/2012
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 #A076521 - Exp. 12/2014
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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12023

16 Vial 16

17 Vial 17

18 Vial 18

19 Vial 19

20 Vial 20

21 Vial 21

22 Vial 22 0.10 Control - Lot #A083355 - Exp. 12/2015

23 Vial 23

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 12023 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 12023 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 12023 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 12023 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 12023 #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		
17	Vial 17	ESS 12024 #1	SIMALC1	1	Sample		
18	Vial 18	ESS 12024 #2	SIMALC1	1	Sample		
19	Vial 19	ESS 12024 #3	SIMALC1	1	Sample		
20	Vial 20	ESS 12024 #4	SIMALC1	1	Sample		
21	Vial 21	ESS 12024 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL-CJ	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!

12023

Calibration Table

Calib. Data Modified : Wednesday, May 30, 2012 4:02:10 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]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	861.05072	9.19574e-5	1		Ethanol
		2	1.59320e-1	1938.34949	8.21936e-5			
		3	3.16260e-1	3401.55469	9.29751e-5			
1.705	1	1	1.00000	2415.32178	4.14024e-4	I1		n-Propanol
		2	1.00000	2685.82983	3.72324e-4			
		3	1.00000	2417.59424	4.13634e-4			

Peak Sum Table

No Entries in table

C

12023

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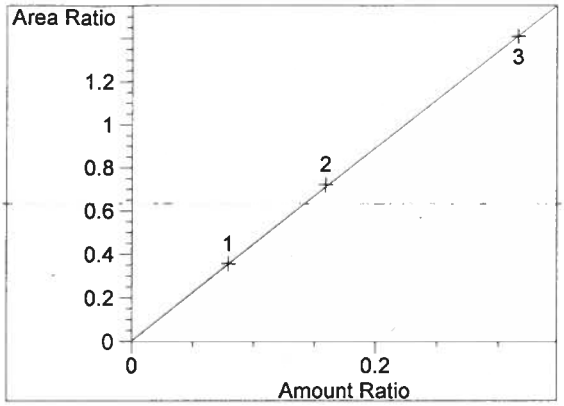
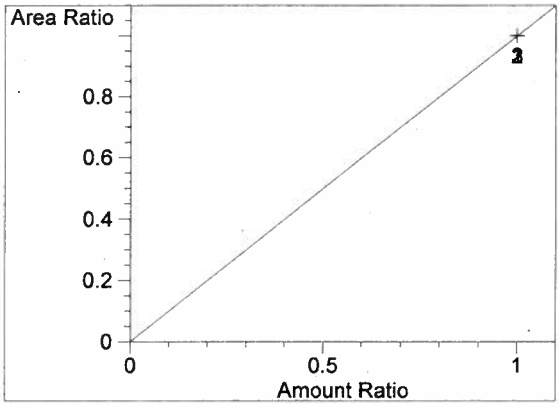
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00745
Formula: y = mx + b
m: 4.44913
b: 4.24763e-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

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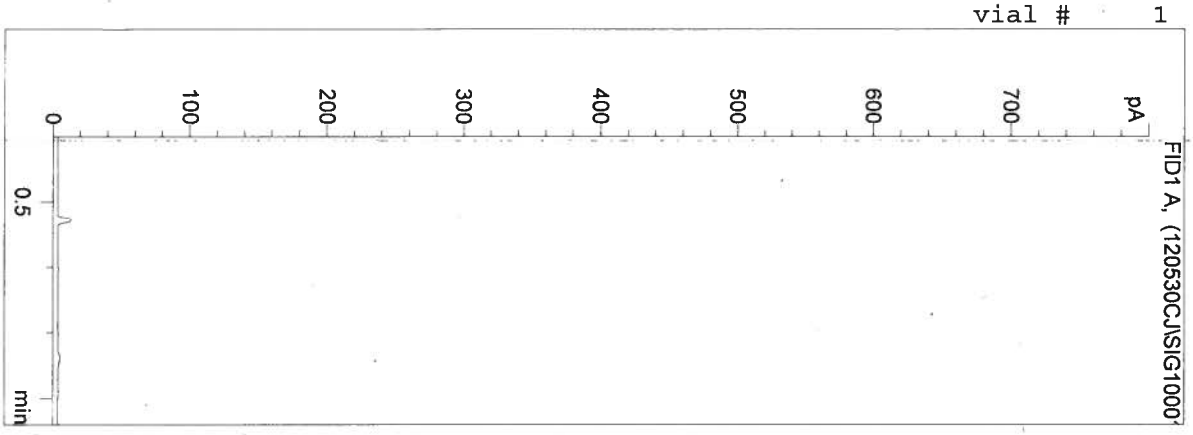
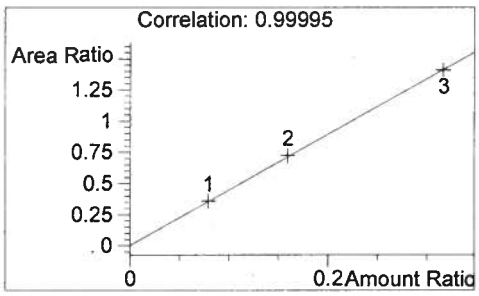
5/30/2012 3:50:43 PM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

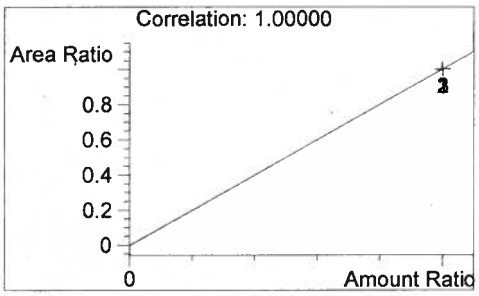
vial # 1



#	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

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WASHINGTON STATE TOXICOLOGY LABORATORY

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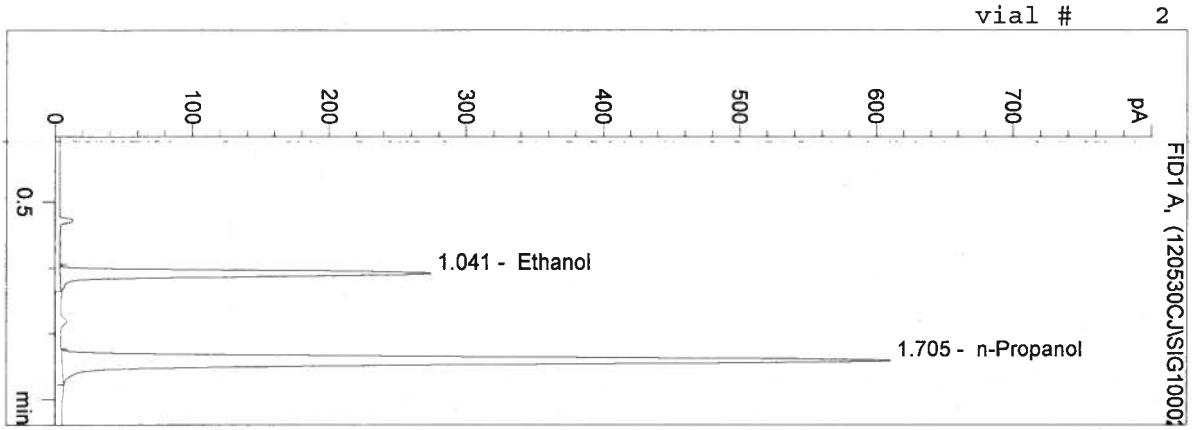
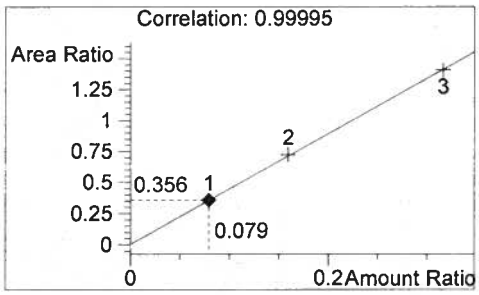
5/30/2012 3:53:48 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

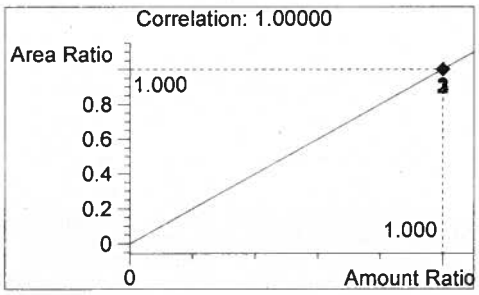
vial # 2



#	Compound	Area	RT
1	Ethanol	861	1.041
2	n-Propanol	2415	1.705
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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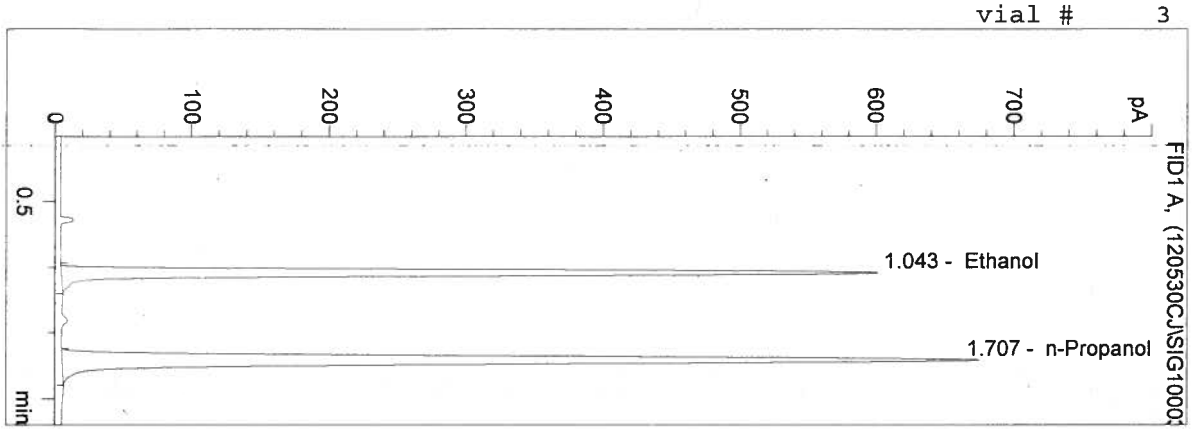
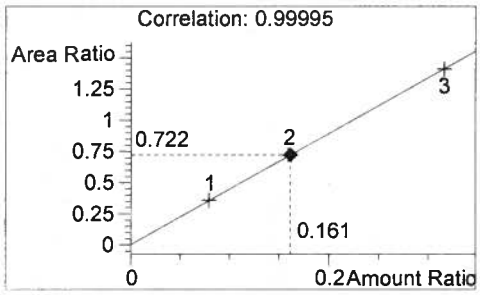
5/30/2012 3:56:53 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

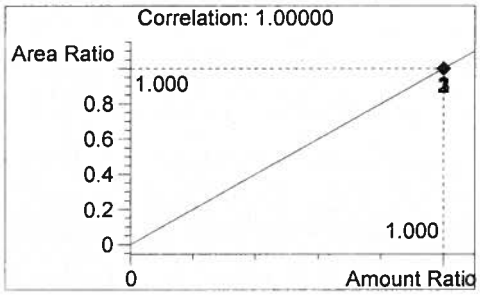
vial # 3



#	Compound	Area	RT
1	Ethanol	1938	1.043
2	n-Propanol	2686	1.707
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

d

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WASHINGTON STATE TOXICOLOGY LABORATORY

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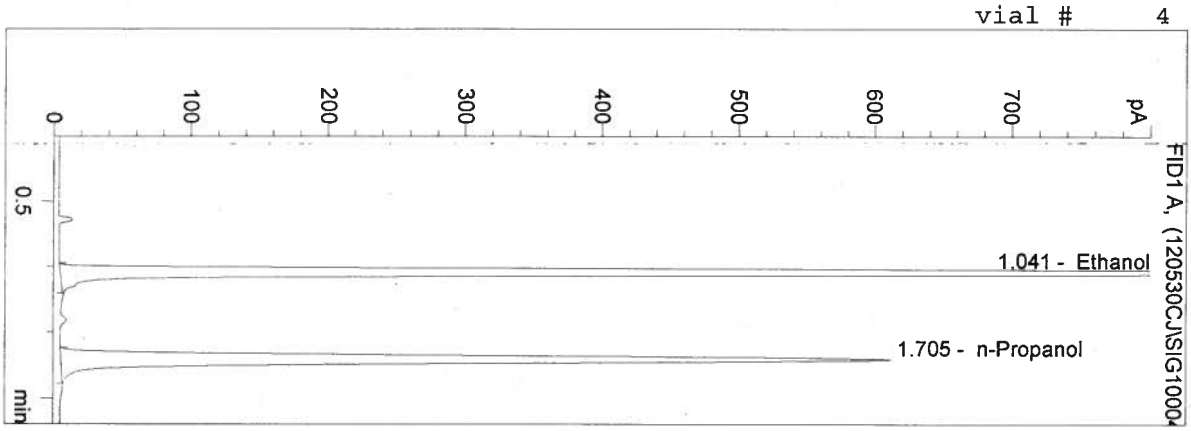
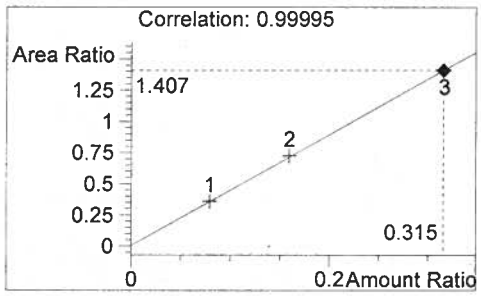
5/30/2012 3:59:57 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

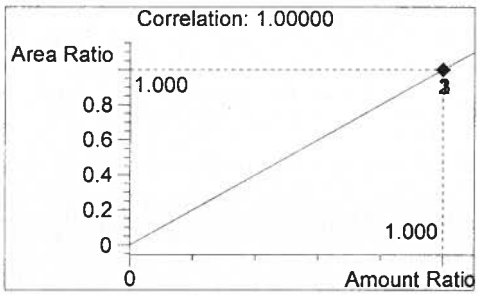
vial # 4



#	Compound	Area	RT
1	Ethanol	3402	1.041
2	n-Propanol	2418	1.705
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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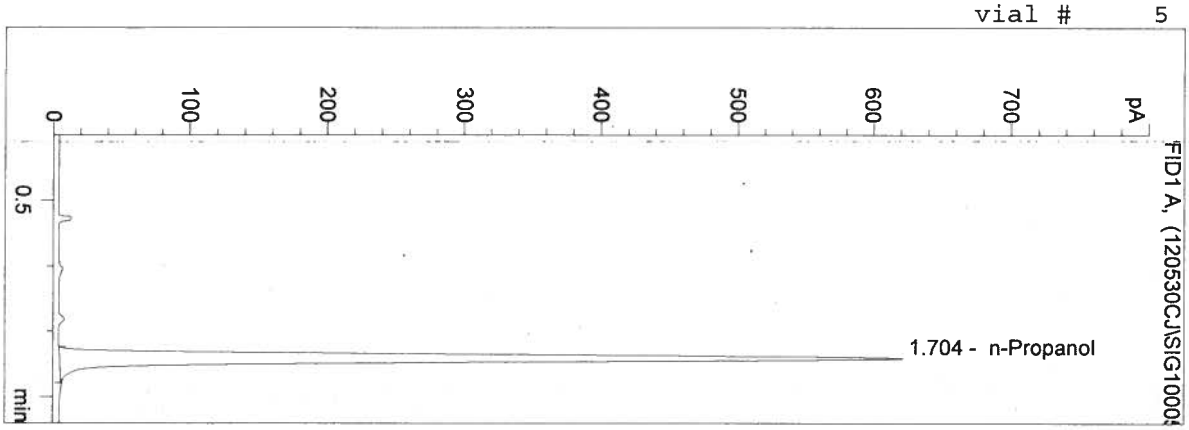
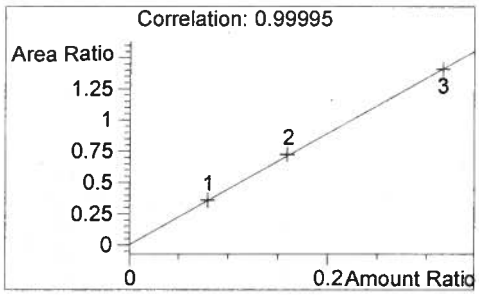
5/30/2012 4:03:02 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

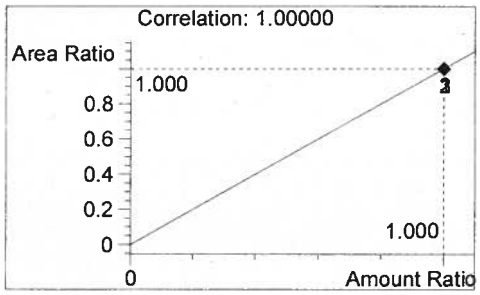
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2456	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

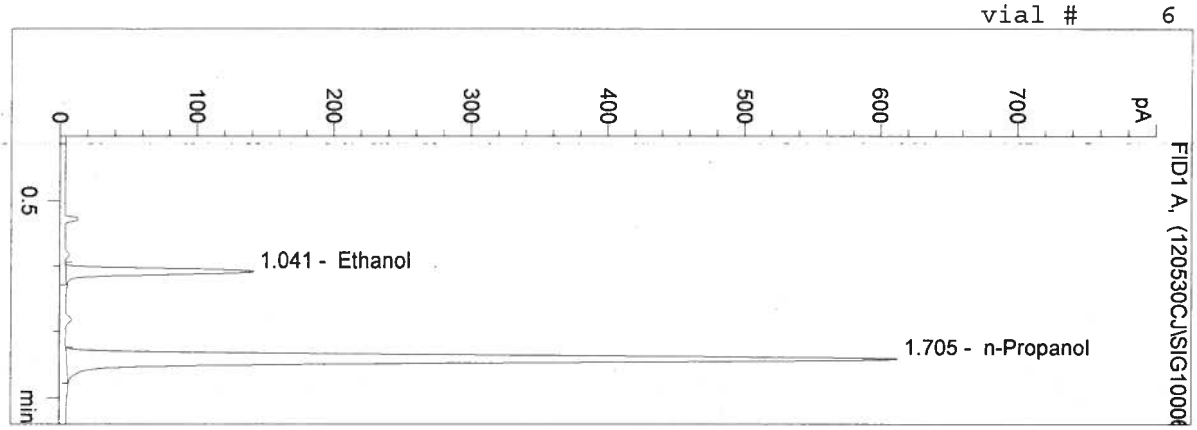
12023

WASHINGTON STATE TOXICOLOGY LABORATORY

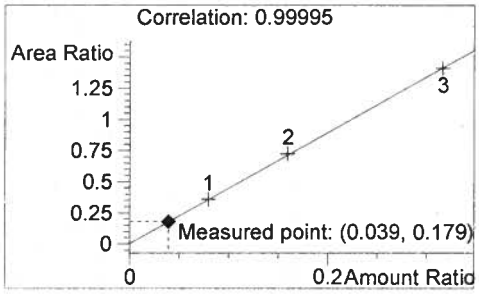
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:06:07 PM
Instrument 1
DB-ALC1

0.04 CTRL-CJ
Chris Johnston

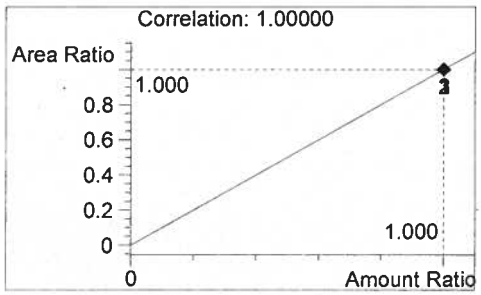
vial # 6



#	Compound	Area	RT
1	Ethanol	434	1.041
2	n-Propanol	2427	1.705
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12023

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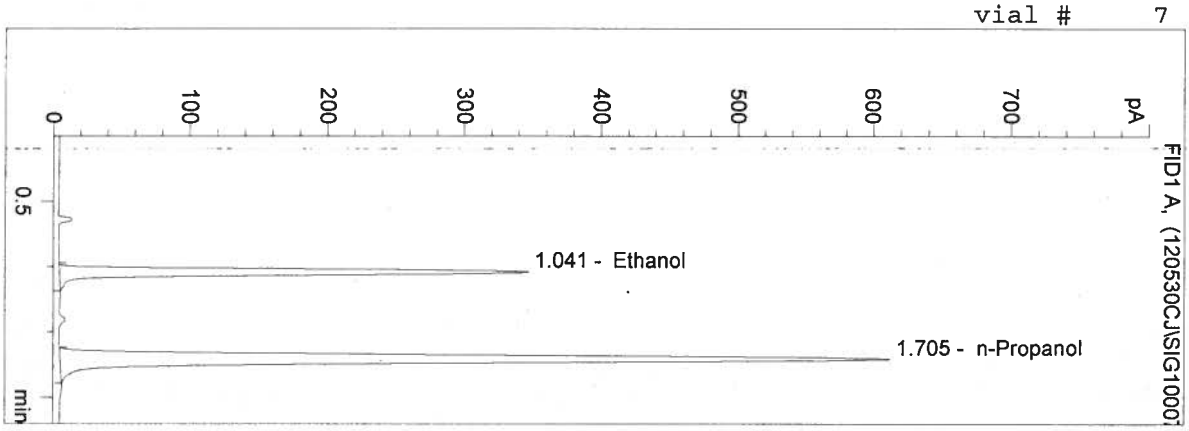
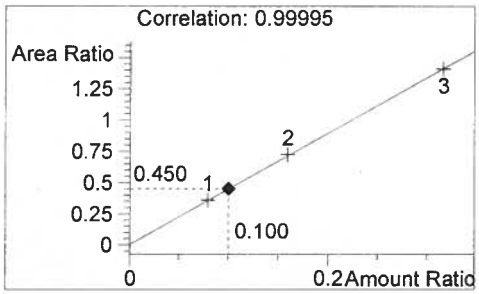
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:09:12 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

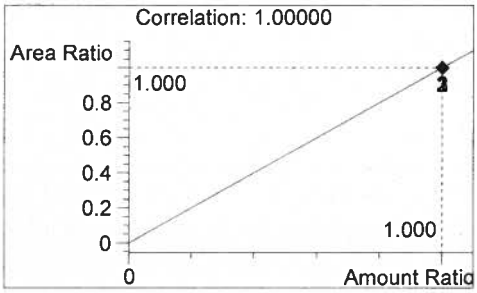
vial # 7



#	Compound	Area	RT
1	Ethanol	1091	1.041
2	n-Propanol	2424	1.705
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

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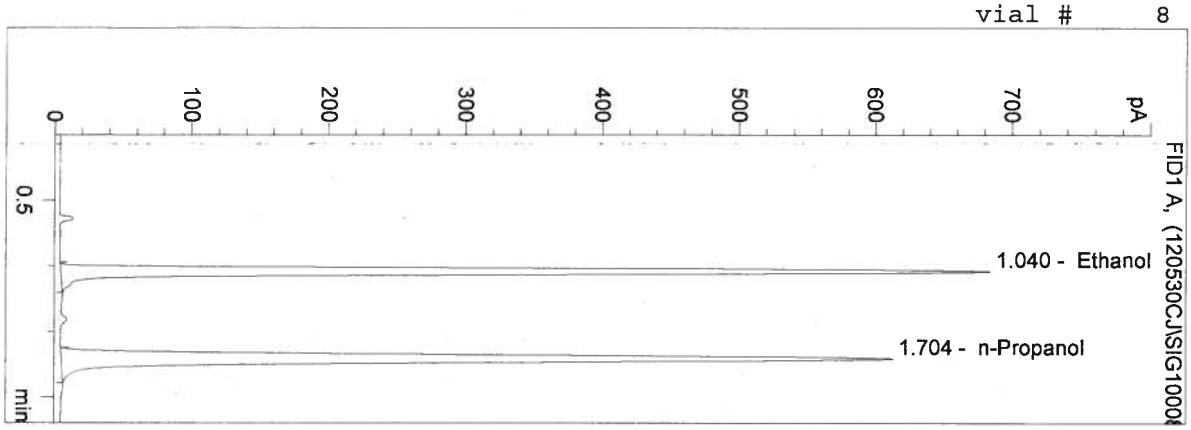
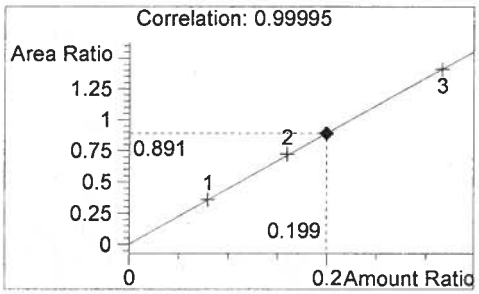
5/30/2012 4:12:16 PM
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

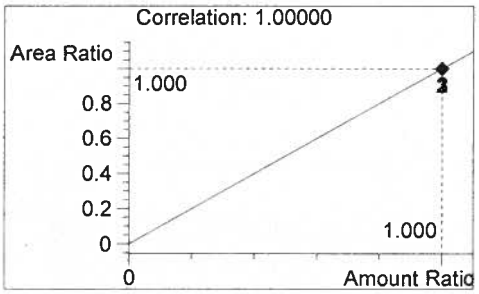
vial # 8



#	Compound	Area	RT
1	Ethanol	2158	1.040
2	n-Propanol	2422	1.704
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

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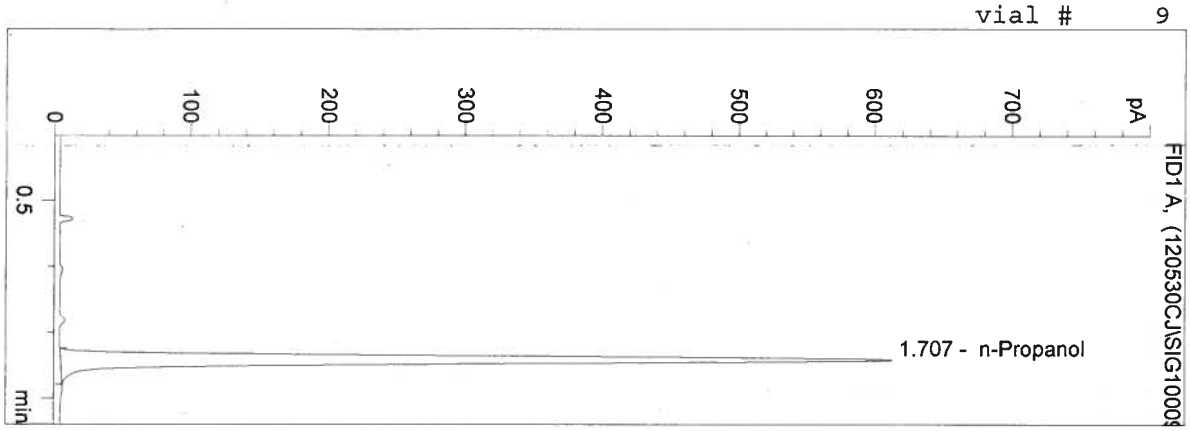
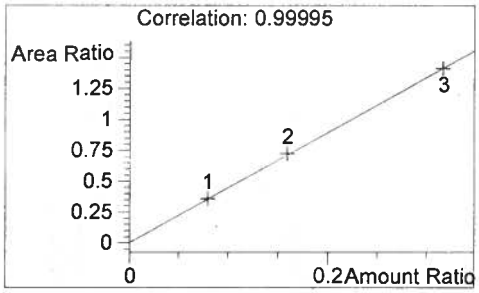
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

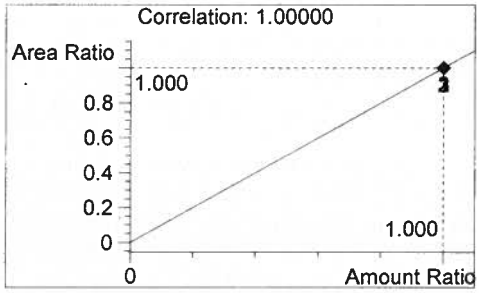
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2436	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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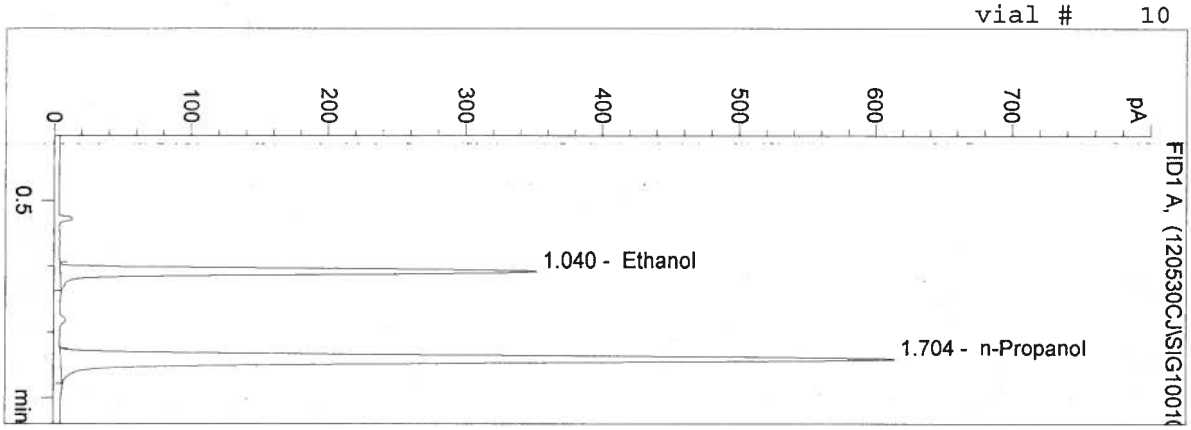
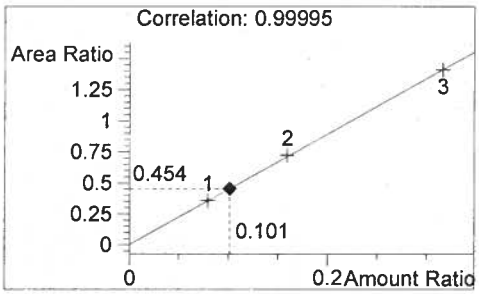
Instrument 1
DB-ALC1

ESS 12023 #1
Chris Johnston

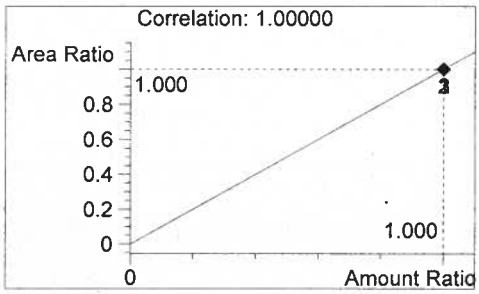
vial # 10



#	Compound	Area	RT
1	Ethanol	1103	1.040
2	n-Propanol	2428	1.704
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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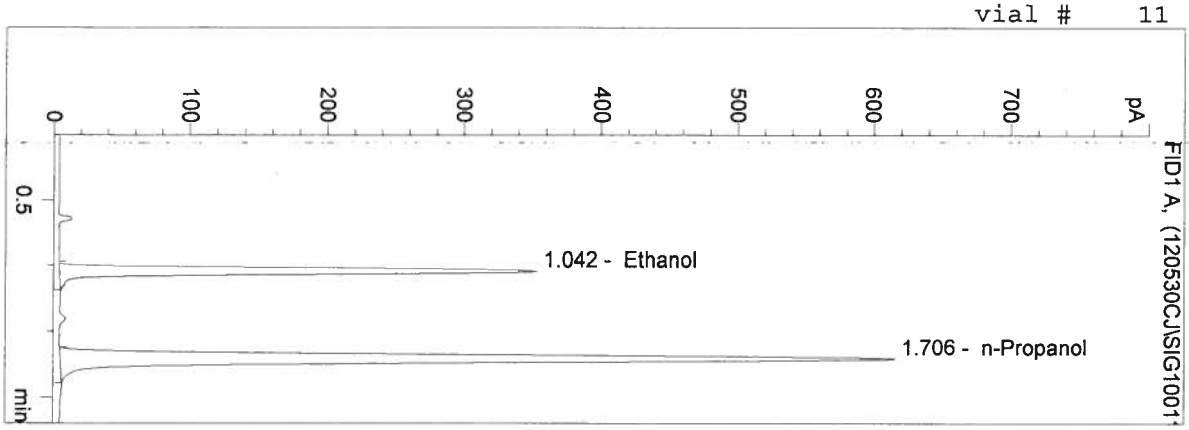
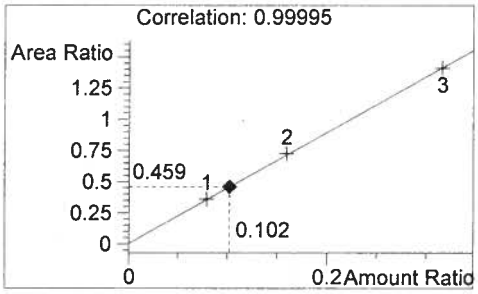
Instrument 1
DB-ALC1

ESS 12023 #2
Chris Johnston

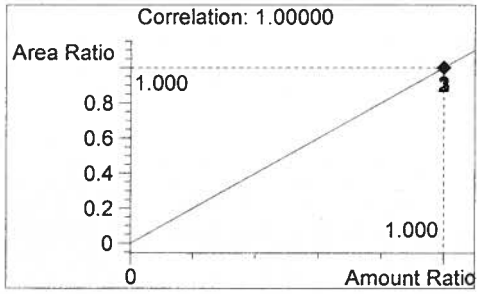
vial # 11



#	Compound	Area	RT
1	Ethanol	1118	1.042
2	n-Propanol	2437	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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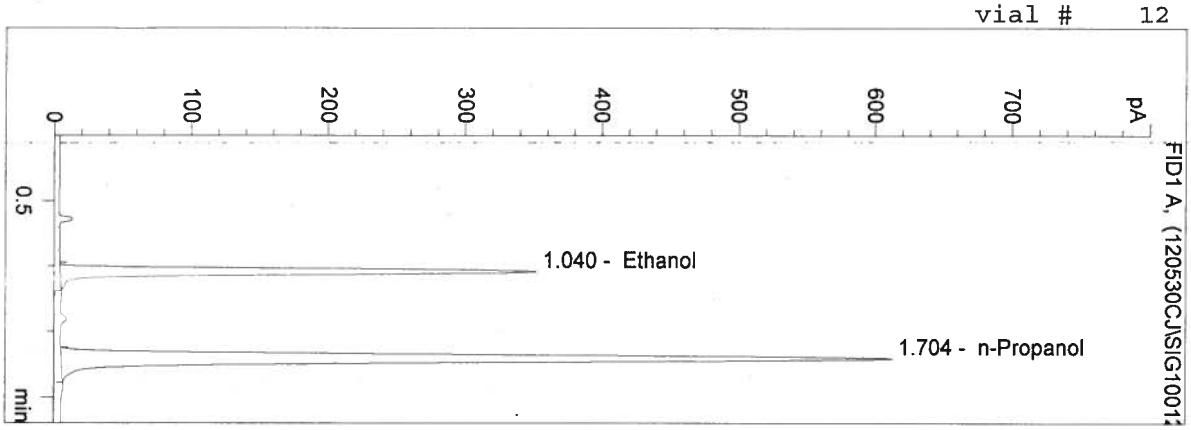
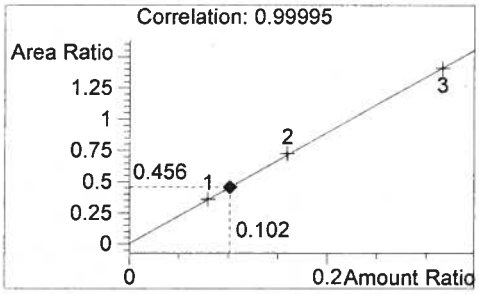
5/30/2012 4:24:35 PM
Instrument 1
DB-ALC1

ESS 12023 #3
Chris Johnston

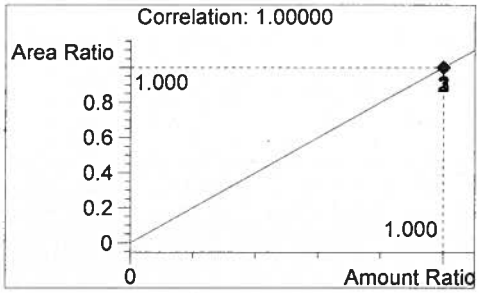
vial # 12



#	Compound	Area	RT
1	Ethanol	1104	1.040
2	n-Propanol	2421	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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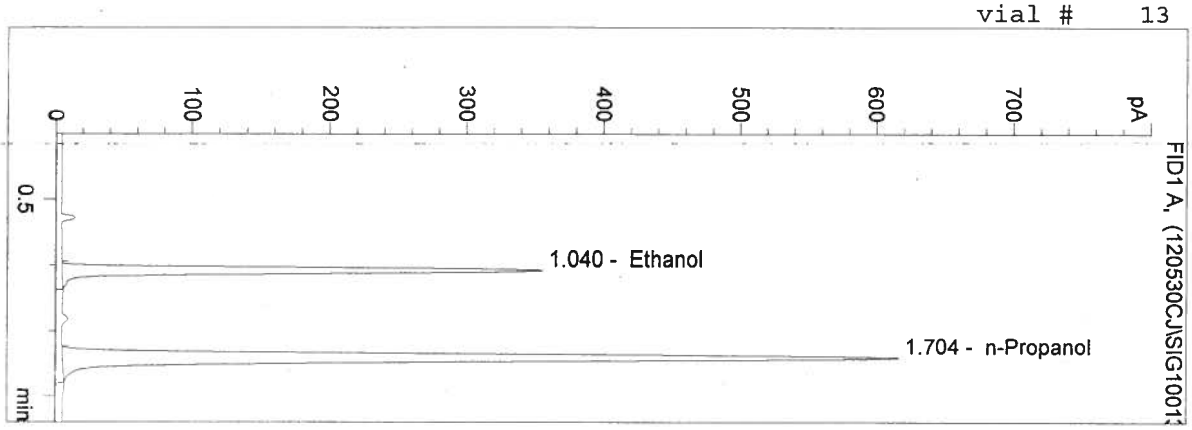
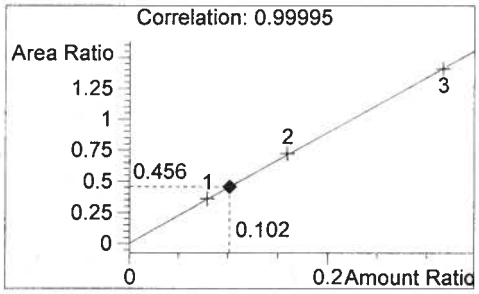
5/30/2012 4:27:40 PM
Instrument 1
DB-ALC1

ESS 12023 #4
Chris Johnston

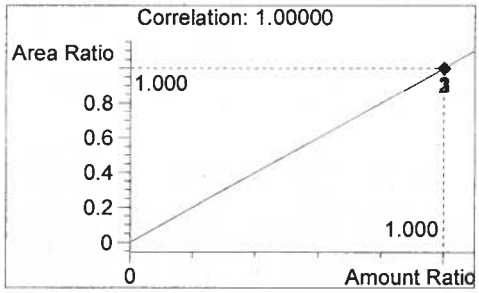
vial # 13



#	Compound	Area	RT
1	Ethanol	1113	1.040
2	n-Propanol	2440	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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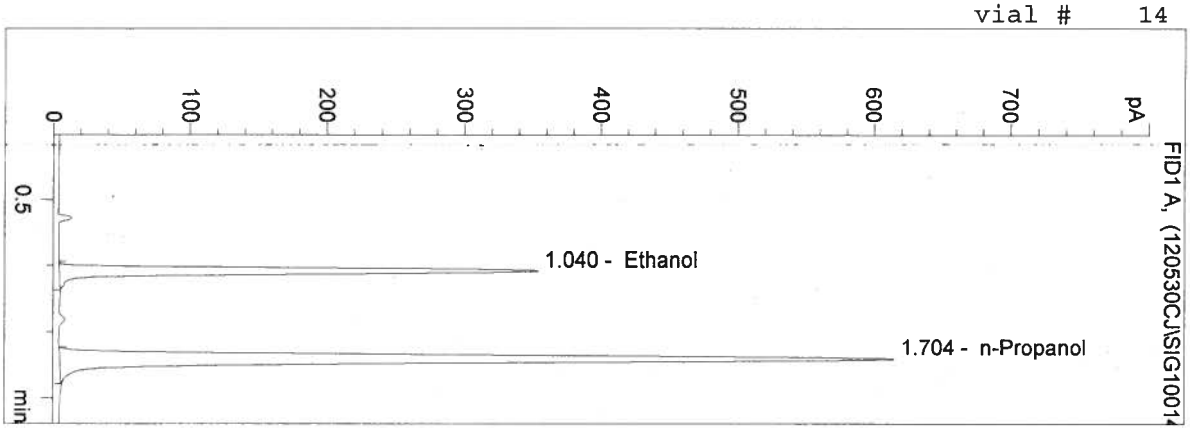
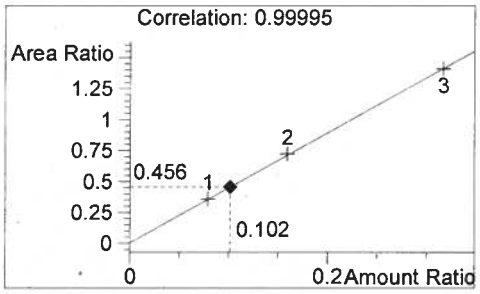
5/30/2012 4:30:45 PM
Instrument 1
DB-ALC1

ESS 12023 #5
Chris Johnston

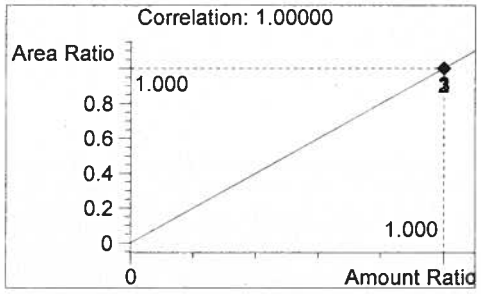
vial # 14



#	Compound	Area	RT
1	Ethanol	1109	1.040
2	n-Propanol	2433	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

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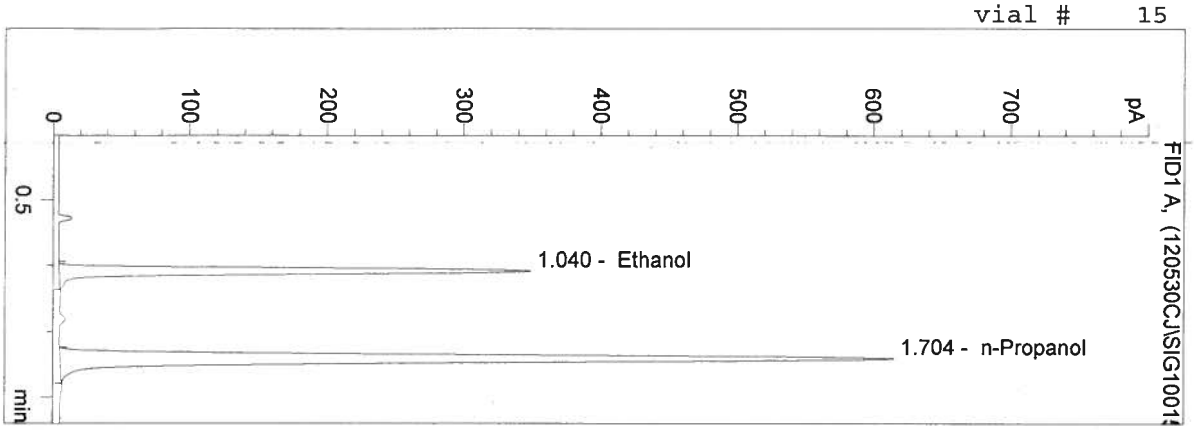
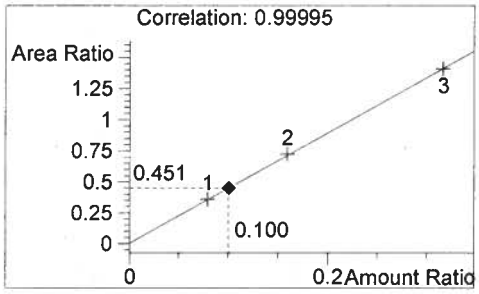
5/30/2012 4:33:49 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

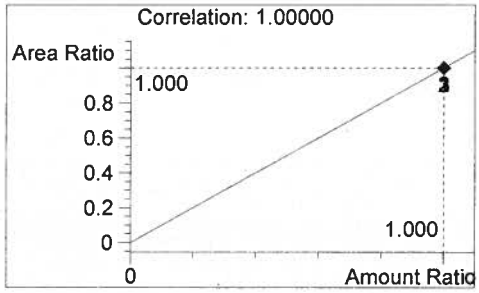
vial # 15



#	Compound	Area	RT
1	Ethanol	1095	1.040
2	n-Propanol	2430	1.704
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

12023

WASHINGTON STATE TOXICOLOGY LABORATORY

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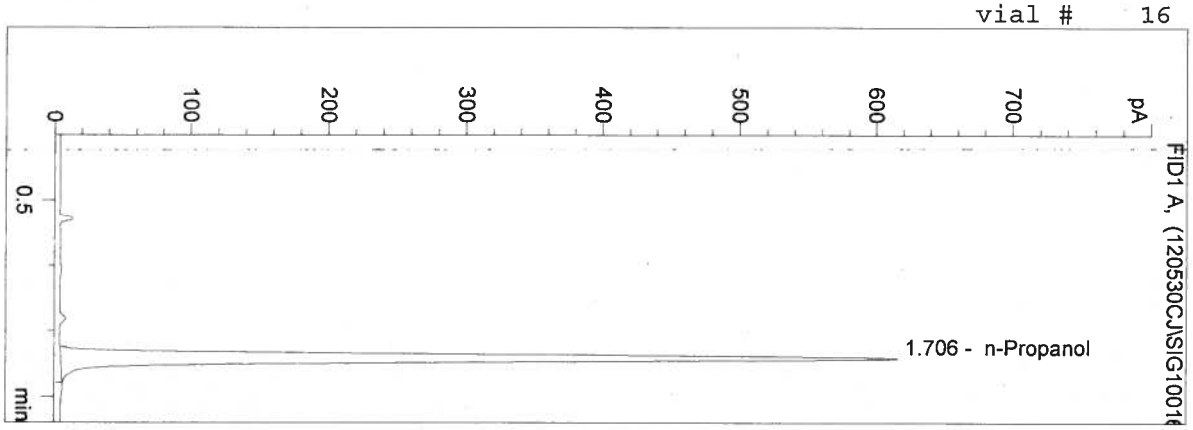
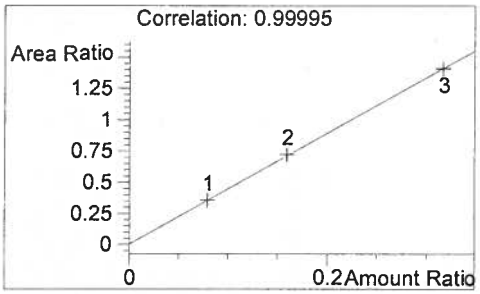
5/30/2012 4:36:54 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

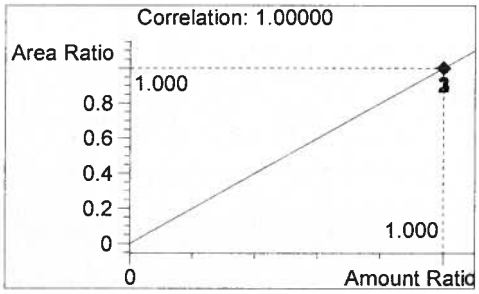
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2442	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

12023

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

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:	120604B
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 #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0412-01
3	Vial 3	LOT#E0412-02
4	Vial 4	LOT#E0412-03
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

12023

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	12023-1	SIMALC1	1	Sample		
11	Vial 11	12023-2	SIMALC1	1	Sample		
12	Vial 12	12023-3	SIMALC1	1	Sample		
13	Vial 13	12023-4	SIMALC1	1	Sample		
14	Vial 14	12023-5	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

12023

Calibration Table

Calib. Data Modified : Monday, June 04, 2012 12:32:26 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	7.91800e-2	967.79095	8.18152e-5	1		Ethanol
		2	1.59320e-1	1862.57654	8.55374e-5			
		3	3.16260e-1	3663.50464	8.63272e-5			
1.706	1	1	1.00000	2632.03491	3.79934e-4	I1		n-Propanol
		2	1.00000	2567.48901	3.89486e-4			
		3	1.00000	2537.76807	3.94047e-4			

Peak Sum Table

No Entries in table

BB

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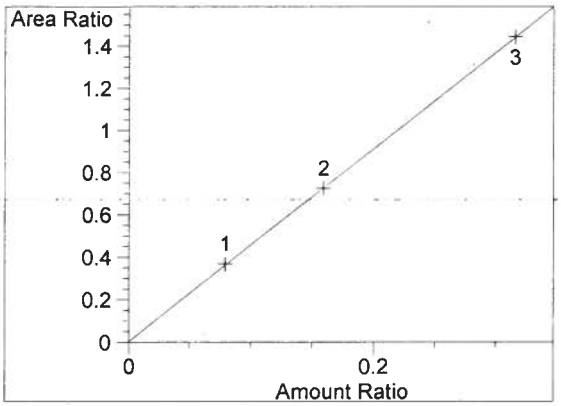
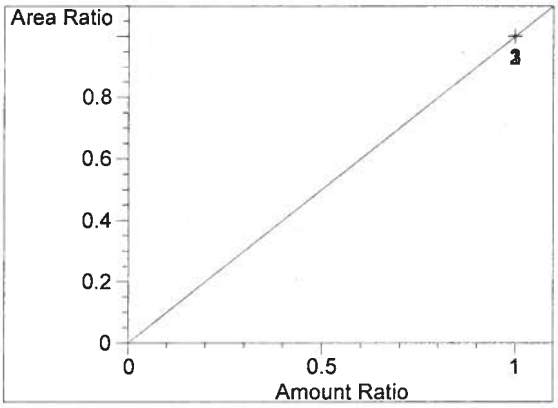
Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00415
Formula: y = mx + b
m: 4.55708
b: 2.16215e-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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BB

12023

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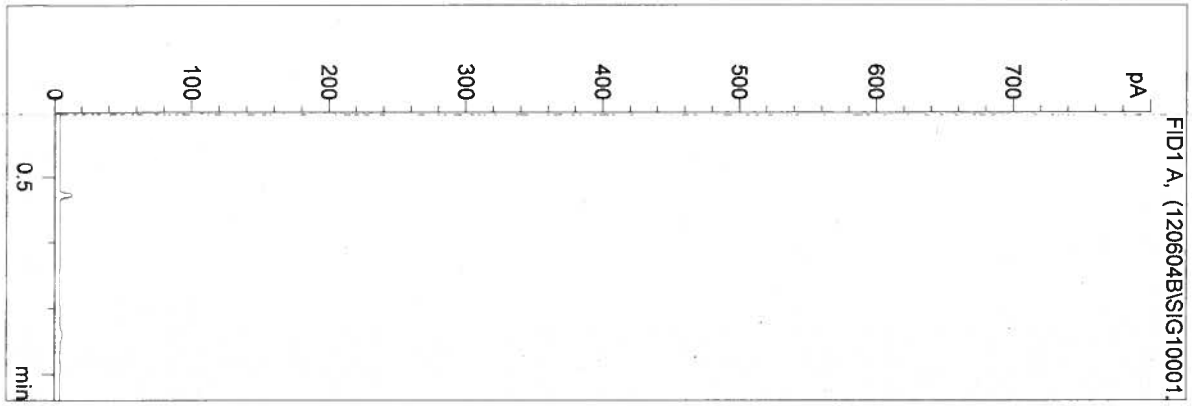
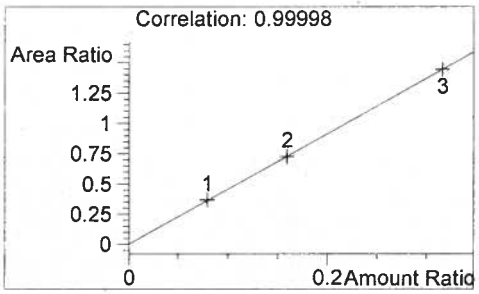
6/4/2012 12:20:59 PM
Instrument 1
DB-ALC1

BLANK
Brittany Ball

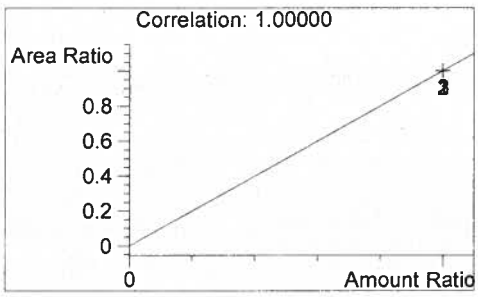
vial # 1



#	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

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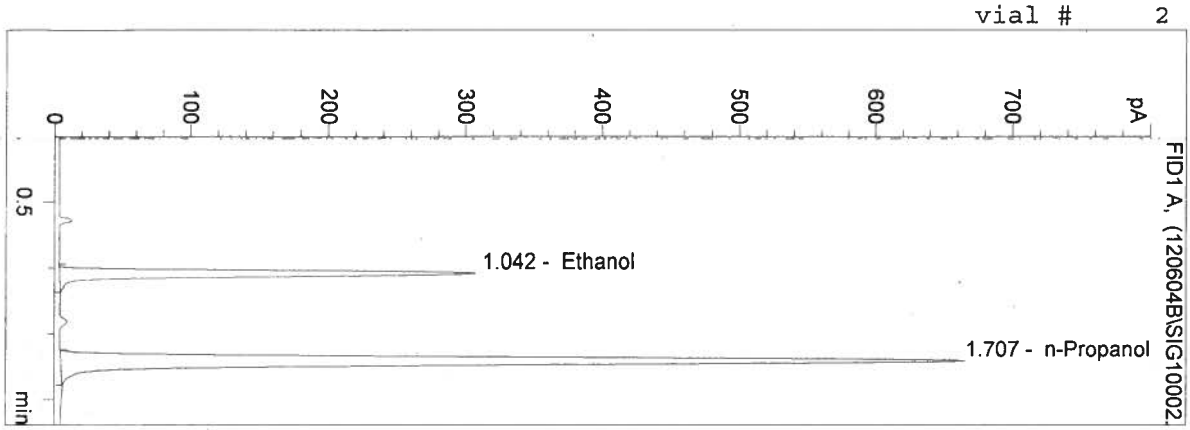
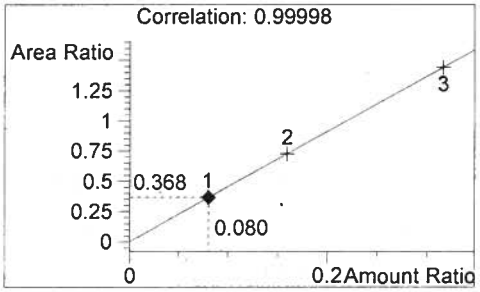
6/4/2012 12:24:04 PM
Instrument 1
DB-ALC1

0.079 CAL
Brittany Ball

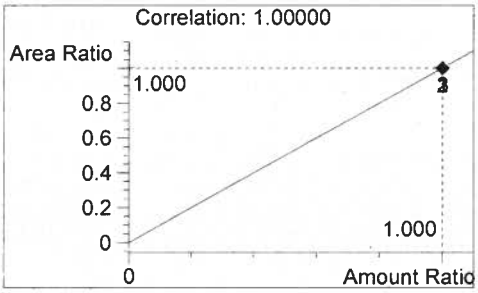
vial # 2



#	Compound	Area	RT
1	Ethanol	968	1.042
2	n-Propanol	2632	1.707
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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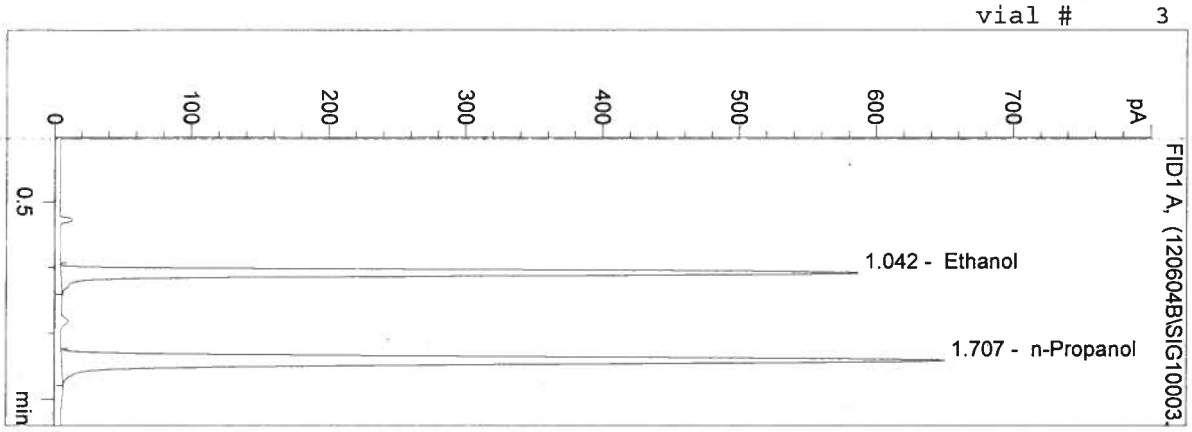
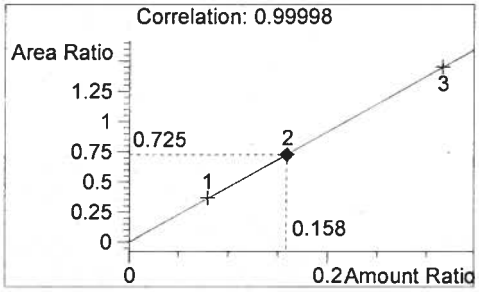
Instrument 1
DB-ALC1

0.158 CAL
Brittany Ball

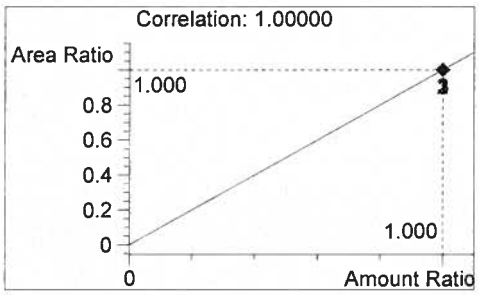
vial # 3



#	Compound	Area	RT
1	Ethanol	1863	1.042
2	n-Propanol	2567	1.707
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

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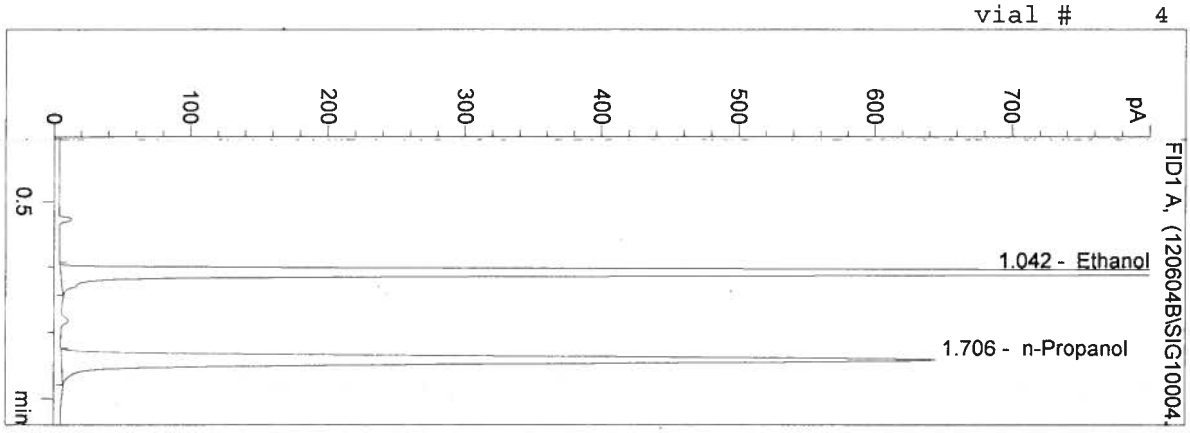
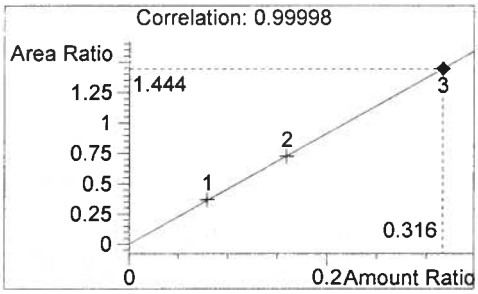
Instrument 1
DB-ALC1

0.316 CAL
Brittany Ball

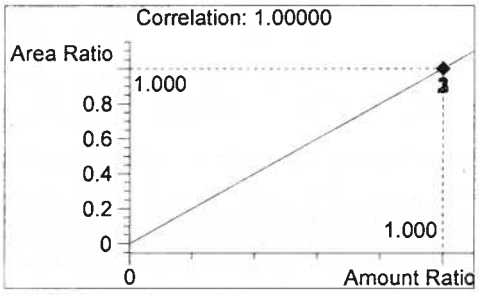
vial # 4



#	Compound	Area	RT
1	Ethanol	3664	1.042
2	n-Propanol	2538	1.706
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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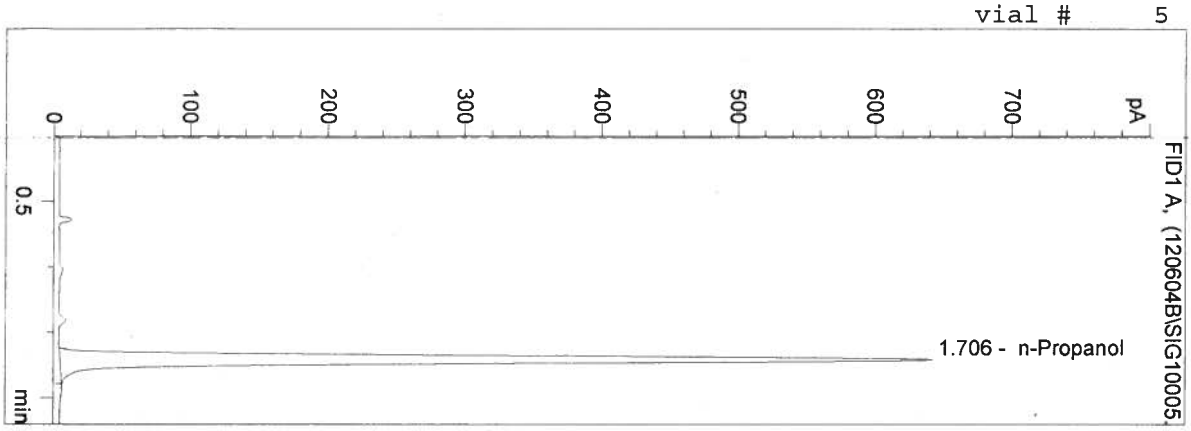
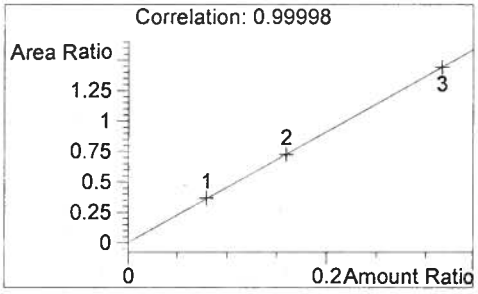
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

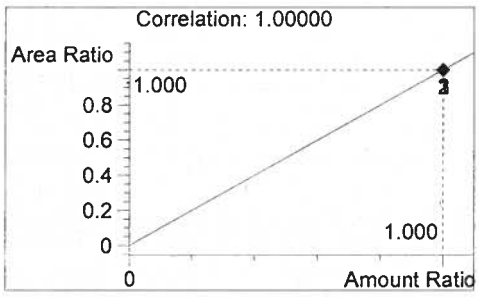
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2533	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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12029

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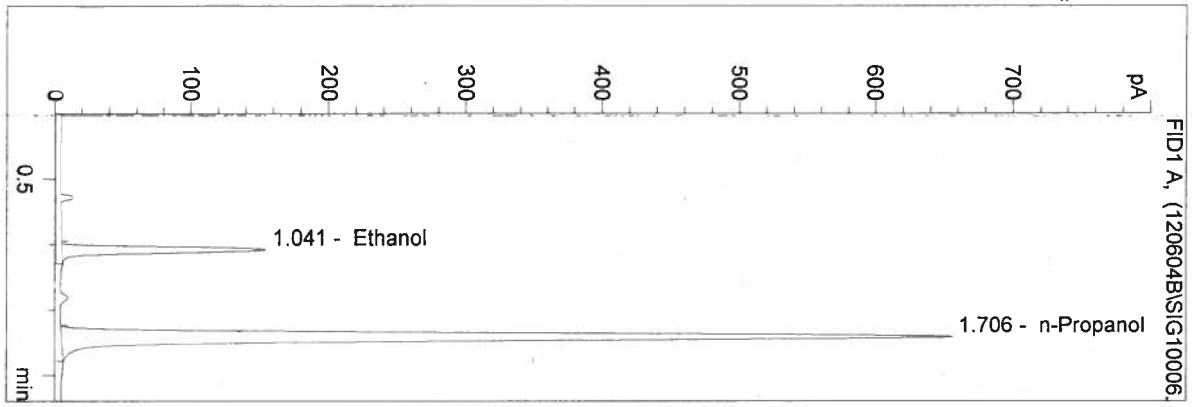
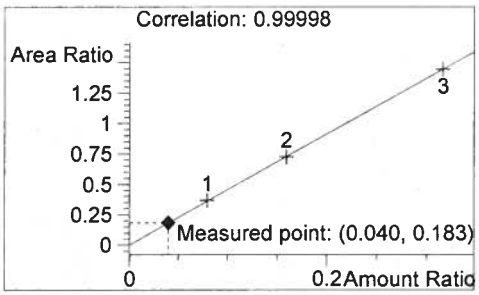
Instrument 1
DB-ALC1

0.04 CTRL BB
Brittany Ball

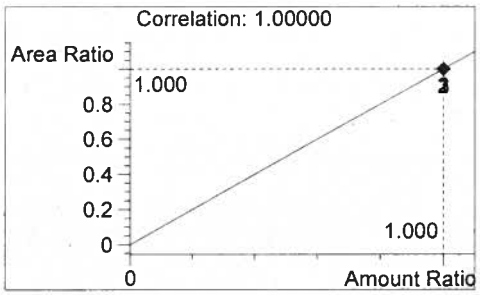
vial # 6



#	Compound	Area	RT
1	Ethanol	475	1.041
2	n-Propanol	2592	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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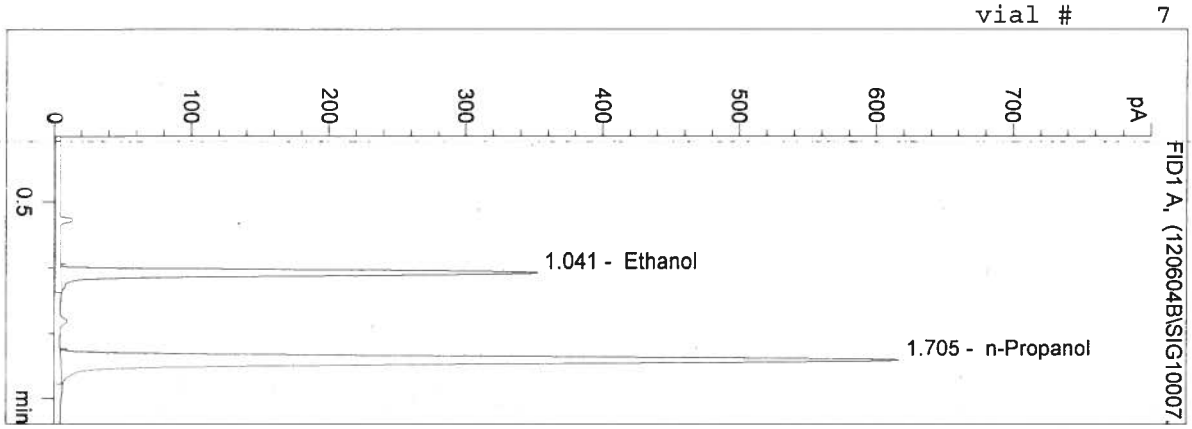
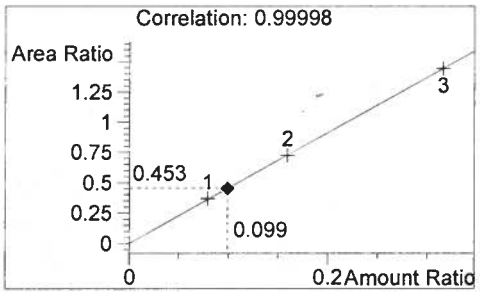
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

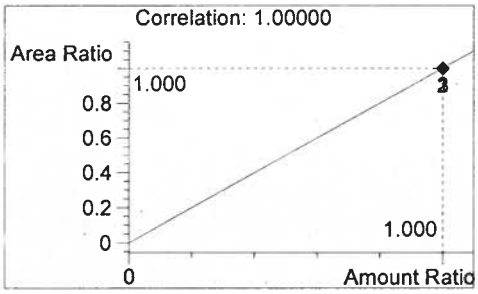
vial # 7



#	Compound	Area	RT
1	Ethanol	1100	1.041
2	n-Propanol	2427	1.705
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

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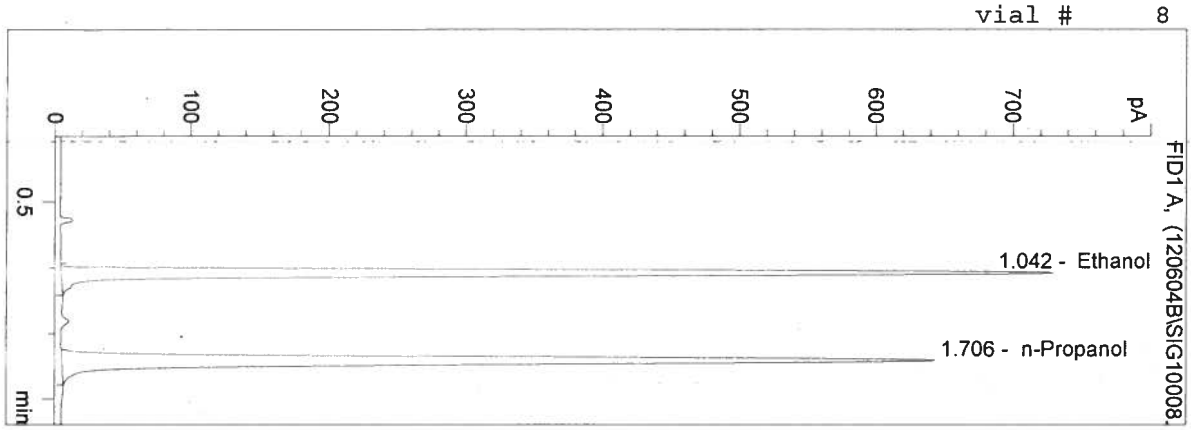
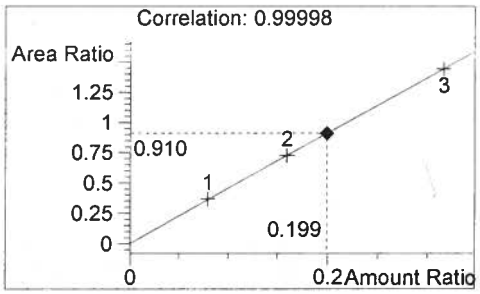
Instrument 1
DB-ALC1

0.20 CTRL BB
Brittany Ball

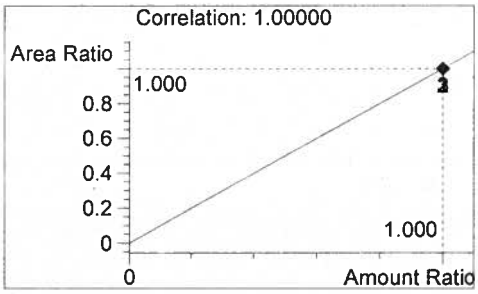
vial # 8



#	Compound	Area	RT
1	Ethanol	2308	1.042
2	n-Propanol	2537	1.706
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

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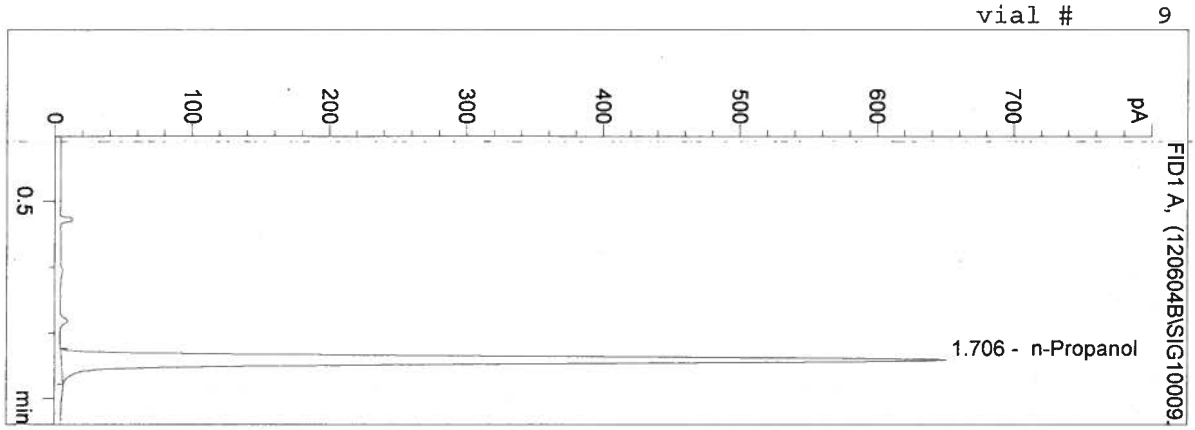
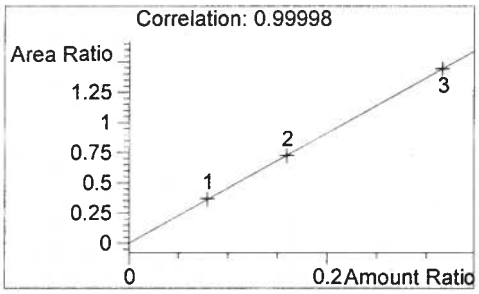
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

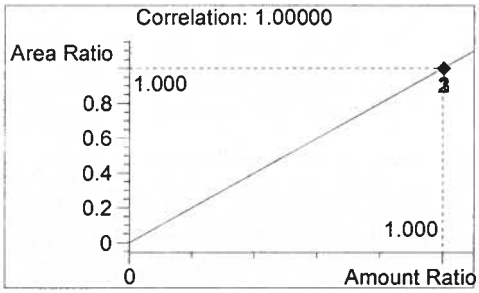
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2558	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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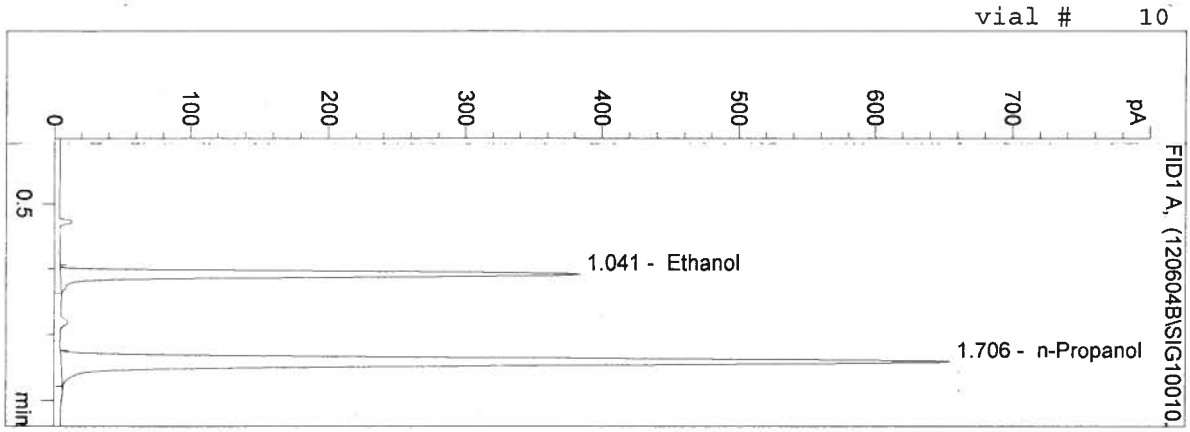
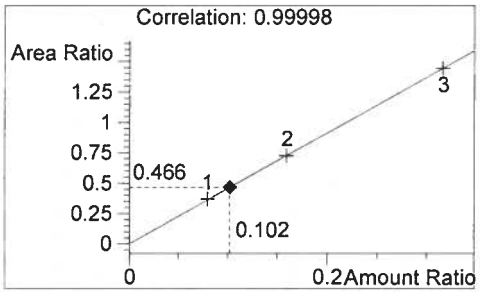
Instrument 1
DB-ALC1

12023-1
Brittany Ball

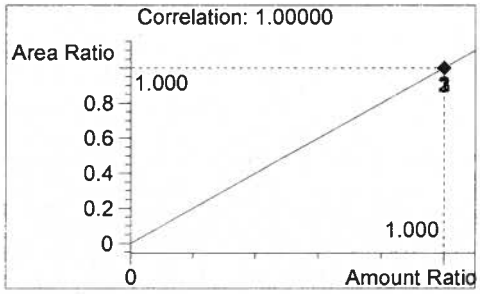
vial # 10



#	Compound	Area	RT
1	Ethanol	1203	1.041
2	n-Propanol	2581	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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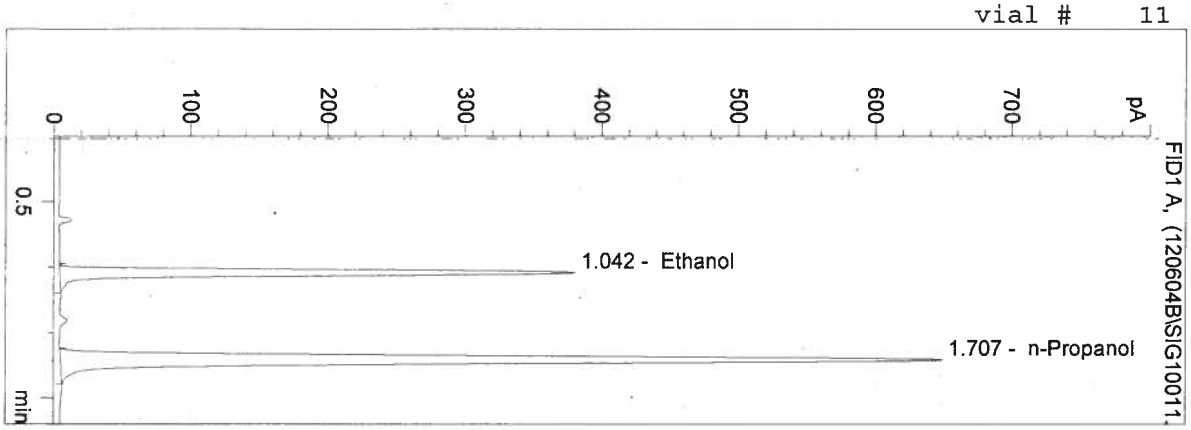
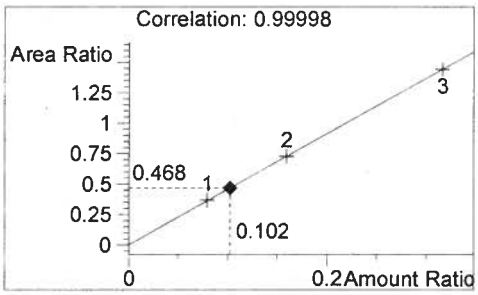
Instrument 1
DB-ALC1

12023-2
Brittany Ball

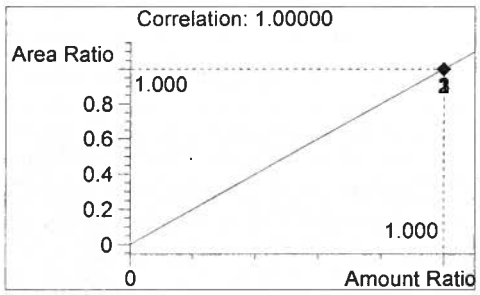
vial # 11



#	Compound	Area	RT
1	Ethanol	1200	1.042
2	n-Propanol	2566	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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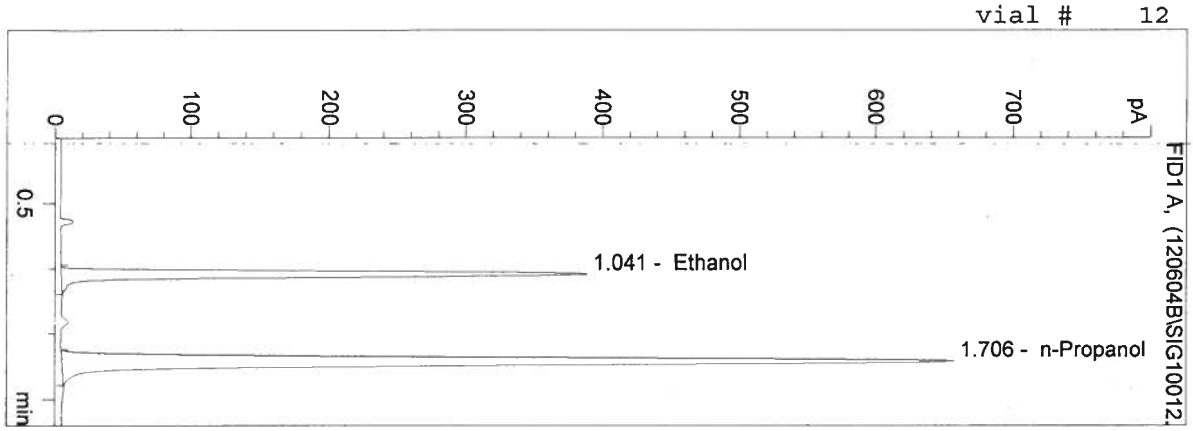
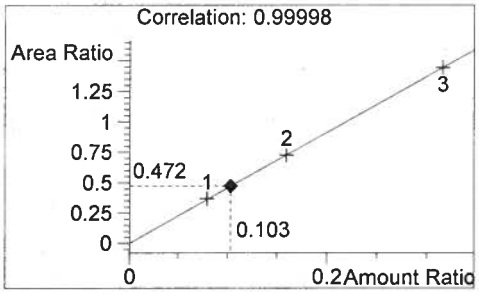
Instrument 1
DB-ALC1

12023-3
Brittany Ball

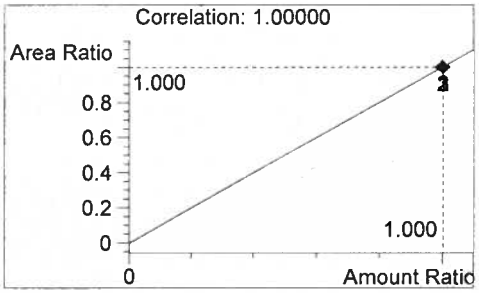
vial # 12



#	Compound	Area	RT
1	Ethanol	1222	1.041
2	n-Propanol	2589	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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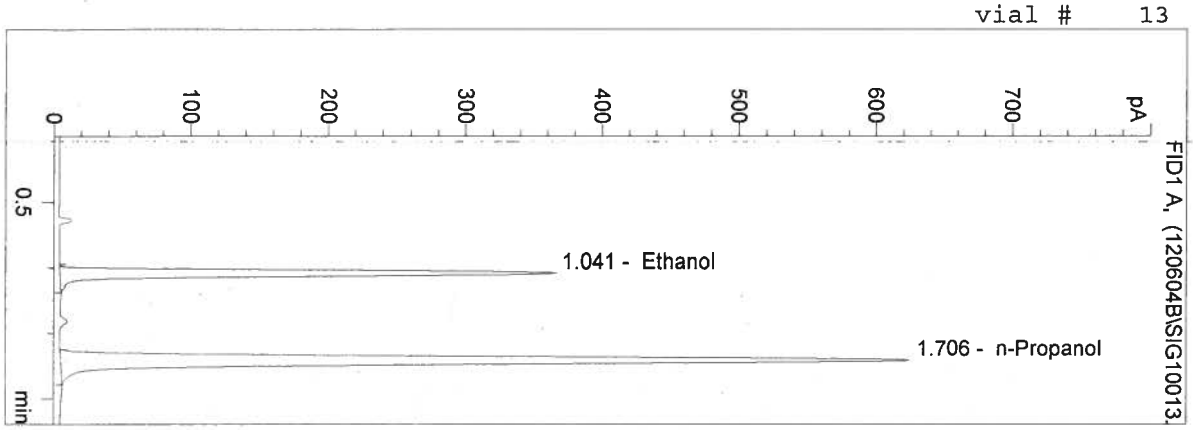
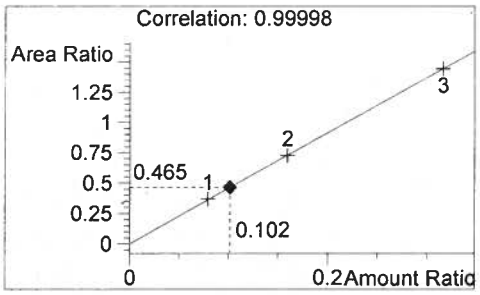
Instrument 1
DB-ALC1

12023-4
Brittany Ball

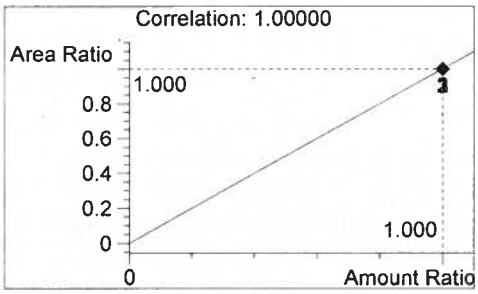
vial # 13



#	Compound	Area	RT
1	Ethanol	1145	1.041
2	n-Propanol	2461	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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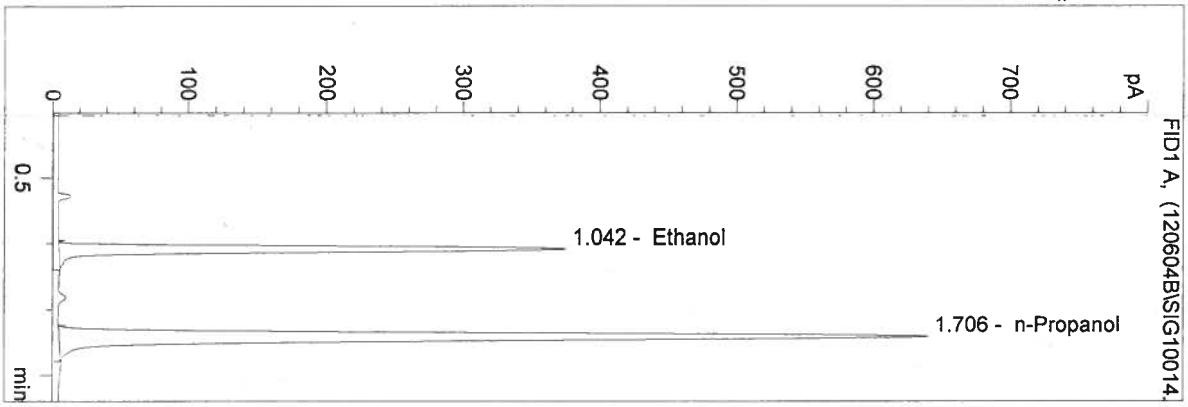
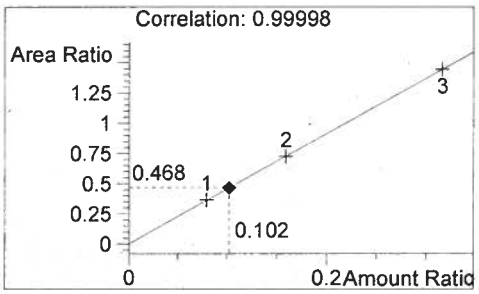
Instrument 1
DB-ALC1

12023-5
Brittany Ball

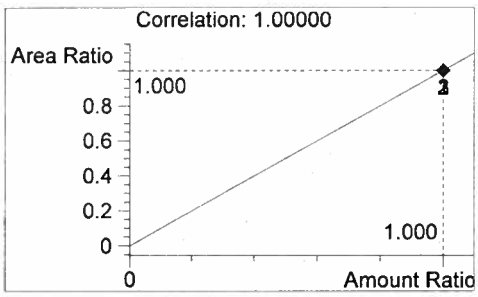
vial # 14



#	Compound	Area	RT
1	Ethanol	1180	1.042
2	n-Propanol	2525	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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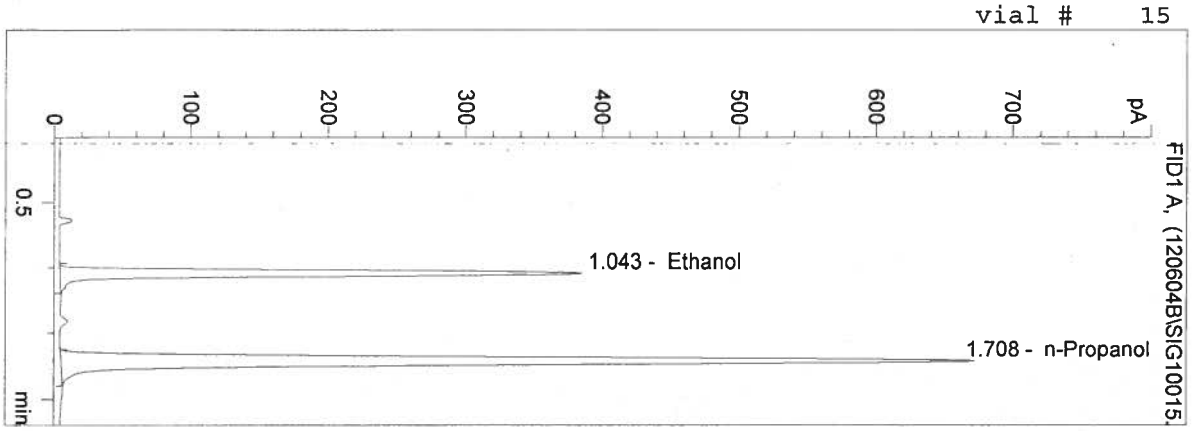
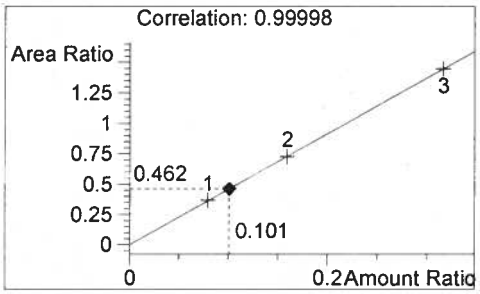
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

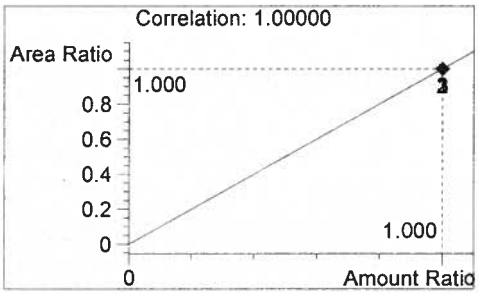
vial # 15



#	Compound	Area	RT
1	Ethanol	1227	1.043
2	n-Propanol	2657	1.708
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

BB

12023

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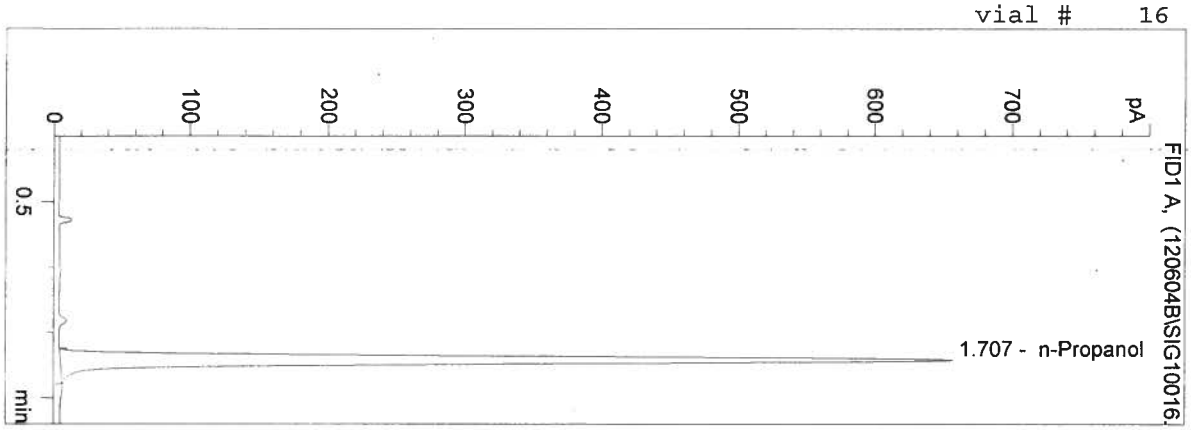
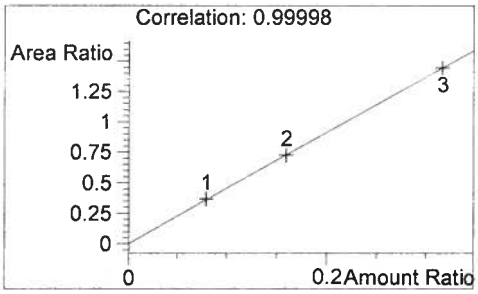
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

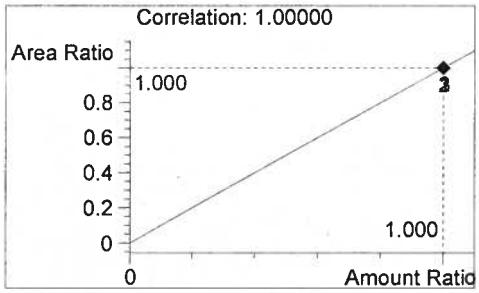
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2598	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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