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: 12026

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 07/05/2012
BATCH UNITS: g/100mL

IDENTITY: External Standard Solution
PREPARED BY: Asa J. Louis

	AJL	RF	CM	SS	JLK	BP	LN	CSJ
1	0.104	0.103	0.102	0.103	0.104	0.103	0.105	0.104
2	0.104	0.104	0.103	0.106	0.104	0.105	0.106	0.103
3	0.102	0.104	0.103	0.105	0.105	0.104	0.105	0.104
4	0.102	0.103	0.103	0.103	0.105	0.106	0.106	0.104
5	0.104	0.103	0.103	0.105	0.104	0.105	0.106	0.104
C	0.102	0.101	0.101	0.101	0.103	0.100	0.102	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1040 g/100mL
STANDARD DEVIATION: 0.00114
PRECISION CV (%): 1.10
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0846 g/210L**
EXPANDED UNCERTAINTY: ± 0.0030 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5
Melissa L. Pemberton Forensic Scientist Supervisor

7-23-2012
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		07/05/2012
RF	Rebecca Flaherty		07/05/2012
CM	Christie Mitchell-Mata		07/06/2012
SS	Sarah Swenson		07/09/2012
JLK	Justin L. Knoy		07/09/2012
BP	Brianna Peterson	Brianna Peterson	07/11/2012
LN	Lisa Noble	Lisa Noble	07/12/2012
CSJ	Christopher S. Johnston		07/12/2012

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 #: 12026 **Date Prepared:** 7/5/2012

Analyst:	AJL	RF	CM	SS	JLK	BP	LN	CSJ
Date Tested:	7/5/2012	7/5/2012	7/6/2012	7/9/2012	7/9/2012	7/11/2012	7/12/2012	7/12/2012
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.104	0.103	0.102	0.103	0.104	0.103	0.105	0.104
2	0.104	0.104	0.103	0.106	0.104	0.105	0.106	0.103
3	0.102	0.104	0.103	0.105	0.105	0.104	0.105	0.104
4	0.102	0.103	0.103	0.103	0.105	0.106	0.106	0.104
5	0.104	0.103	0.103	0.105	0.104	0.105	0.106	0.104
C	0.102	0.101	0.101	0.101	0.103	0.100	0.102	0.101

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0001207862	0.0000816673	0.0001016326

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

Average Solution Concentration: 0.1040 g/100mL
Standard Deviation: 0.00114 g/100mL
Precision CV (%): 1.10
Equivalent Vapor Concentration: 0.0846 g/210L
Combined Standard Uncertainty (±): 0.0015 g/210L
Expanded Uncertainty (±): 0.0030 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton [signature] 7/13/2012
Name Signature Date

Calculations verified by: Amanda M. Black [signature] 7-20-2012 Method: Hand calculation
Name Signature Date

Technical review of batch file performed by:
Melissa L. Pemberton [signature] 7/16/12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 7-20-2012

Location: WSP-FLSB Seattle, WA Solution Batch Number: 12026

	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: 7-20-2012

Reviewer Signature: N/A CB 7-20-12 Date: _____

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis	[illegible]	2012 Jul 16
Brian Capron		
Brianna Peterson	BP	7/13/12
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell-Mata	CM	7/13/12
Christopher Johnston	CJ	7/13/12
Dawn Sklerov		
Justin Knoy	JK	7.13.12
Lisa Noble	[illegible]	7/13/12
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	7-13-12
Sarah Swenson	SMS	7/13/12

Batch # 12026

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 12026

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 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

2012 J.11 ✓

Asa J. Louis — Date

Forensic Toxicologist

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 12026

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 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

7.13.12

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12026

I, Christie Mitchell-Mata, 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: BA degree in Chemistry, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The external standard solution, Lot Number 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

Christie Mitchell-Mata 7/13/2012

Christie Mitchell-Mata Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12026

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 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

7/13/12

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 12026

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 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

7-13-12

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 12026

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 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

Brianna Peterson 7/13/12

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 12026

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

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

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

The external standard solution, Lot Number 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

Lisa Noble 7/13/12

Lisa Noble Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
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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 12026

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 12026, was prepared in the Washington State Toxicology Laboratory on 7/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/5/2013.

Seattle, WA

7/13/2012

Christopher S. Johnston — 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: 2012 July 05 Initials of Preparer: AL

Expiration Date: 2013 July 05

Lot # of 200-proof Ethanol used in preparation: ZW 0039

Date the 200-proof Ethanol bottle was opened: 2012 05 15

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	☒	12026

Stir bar is rotating ☒

Stirred for minimum 30 minutes; 2 hours for ESS ☒

Spigot purged ☒

Aliquot taken ☒

Batch labeled, packaged and sealed ☒ 2012 Jul 05 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:

ESS 12026
0.08 g/210L
p 2012 Jul 05 al exp 2013 Jul 05

Analyst Signature

2012 Jul 05 Date

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:	120705A1
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	12026 #1	SIMALC1	1	Sample		
11	Vial 11	12026 #2	SIMALC1	1	Sample		
12	Vial 12	12026 #3	SIMALC1	1	Sample		
13	Vial 13	12026 #4	SIMALC1	1	Sample		
14	Vial 14	12026 #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		

AL
2012 Jul 05

12026

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):

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

No entries - empty table!

AL
2012 Jul 05

12026

Calibration Table

Calib. Data Modified : Thursday, July 05, 2012 11:58:59 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
1.040	1	1	7.91800e-2	972.16986	8.14467e-5	1		Ethanol
		2	1.59320e-1	1770.50452	8.99857e-5			
		3	3.16260e-1	3447.32520	9.17407e-5			
1.705	1	1	1.00000	3007.94092	3.32453e-4	I1		n-Propanol
		2	1.00000	2806.53784	3.56311e-4			
		3	1.00000	2770.60107	3.60933e-4			

Peak Sum Table

No Entries in table

12026

20120706

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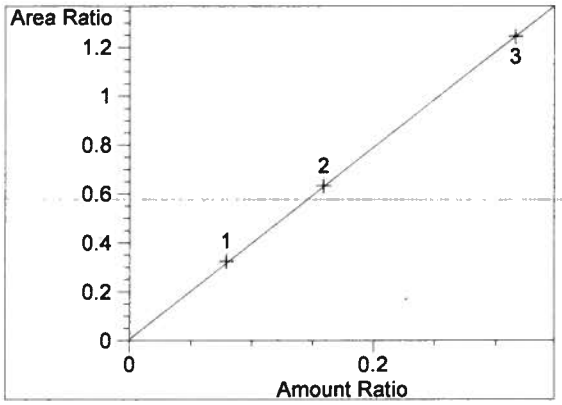
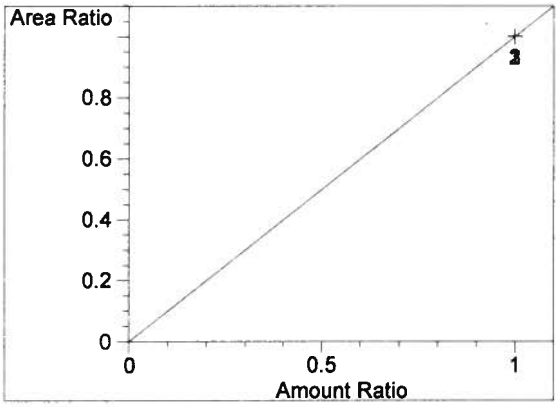
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00649
Formula: y = mx + b
m: 3.92309
b: 5.48286e-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

==========

12026

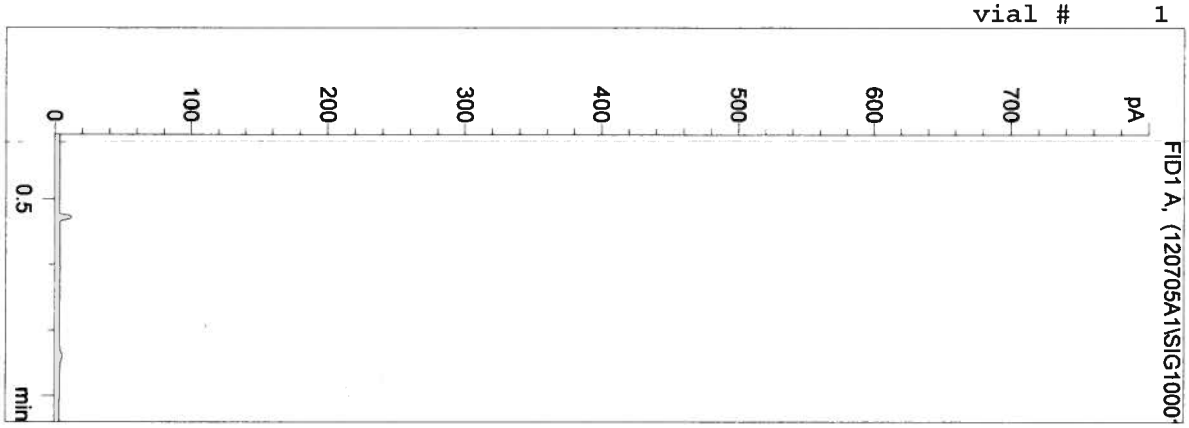
2012 JUL 05

WASHINGTON STATE TOXICOLOGY LABORATORY

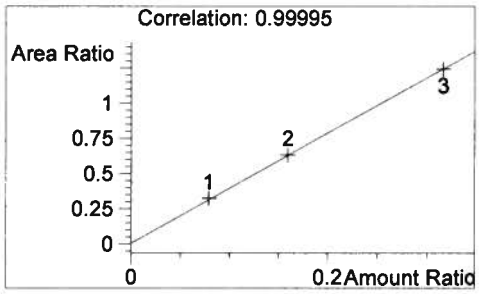
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 11:47:31 AM
Instrument 1
DB-ALC1

blank
asa louis

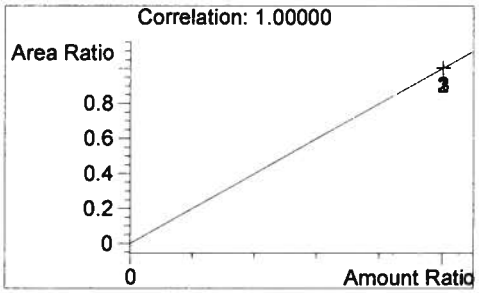
vial # 1



#	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

12026

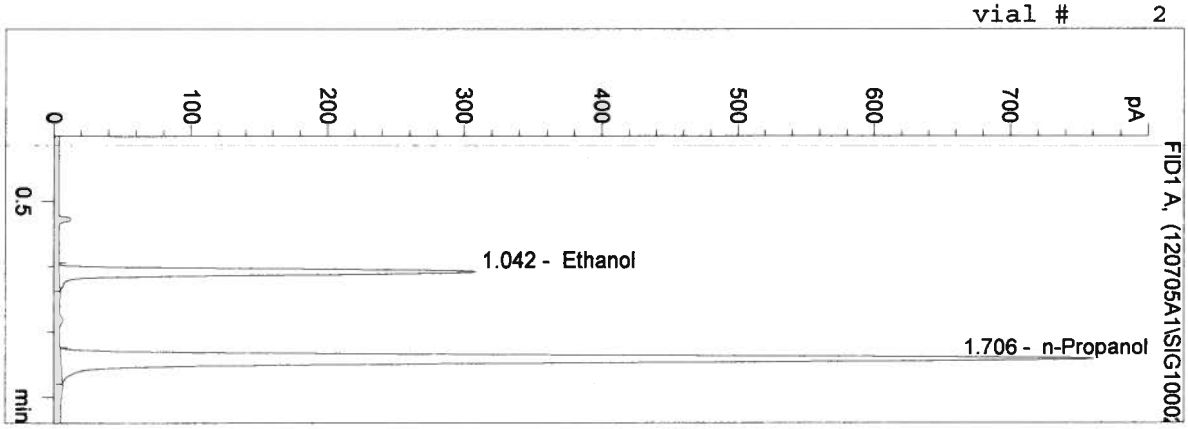
M
2012 5/1 05

WASHINGTON STATE TOXICOLOGY LABORATORY

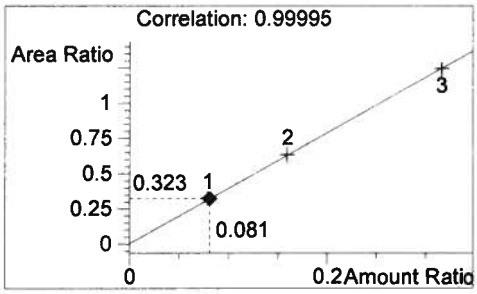
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 11:50:36 AM
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

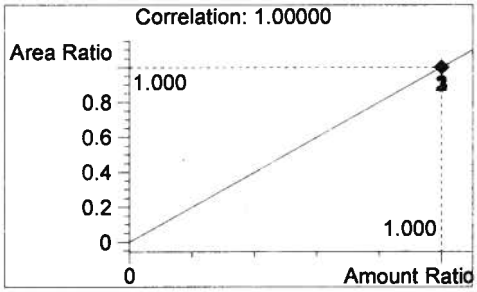
vial # 2



#	Compound	Area	RT
1	Ethanol	972	1.042
2	n-Propanol	3008	1.706
Tot			



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

12026

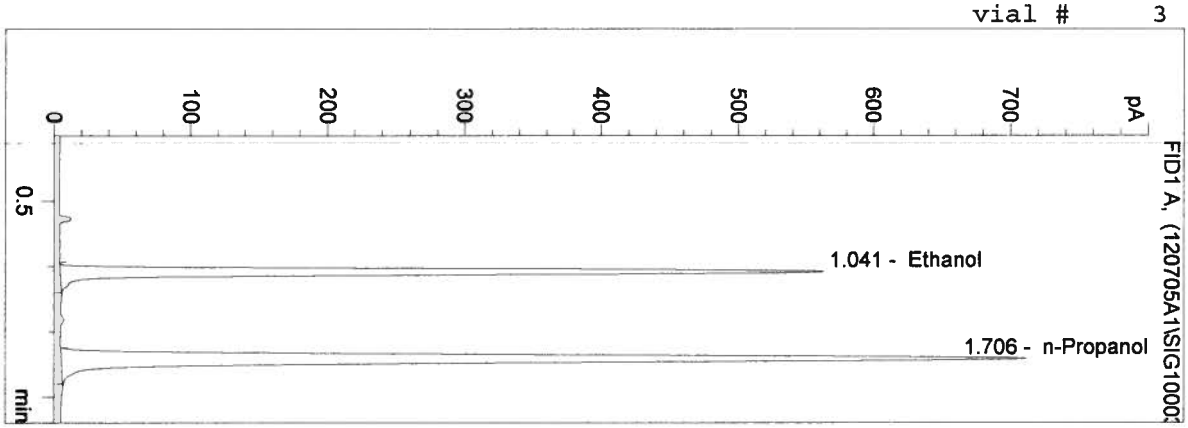
AL
2012 Jul 05

WASHINGTON STATE TOXICOLOGY LABORATORY

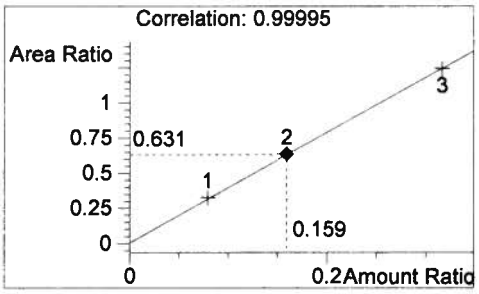
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 11:53:41 AM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

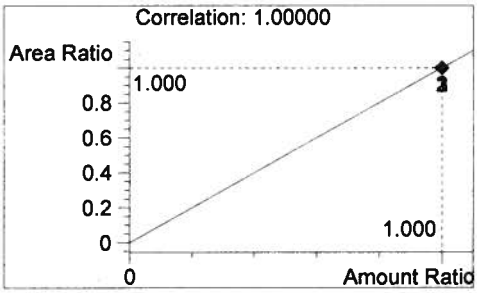
vial # 3



#	Compound	Area	RT
1	Ethanol	1771	1.041
2	n-Propanol	2807	1.706
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

AK
2012 Jul 05

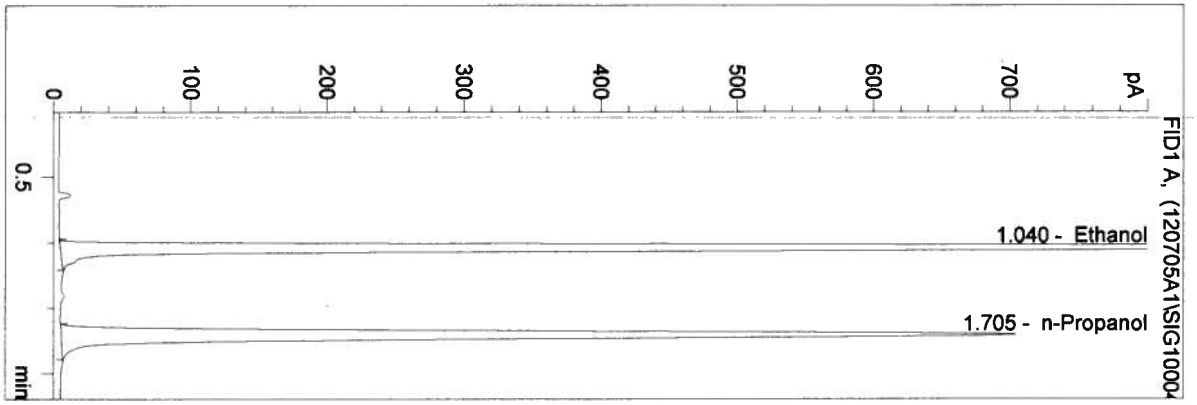
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

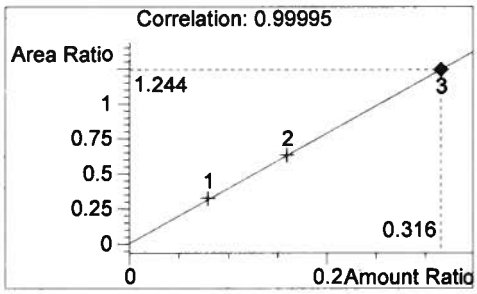
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 11:56:46 AM
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

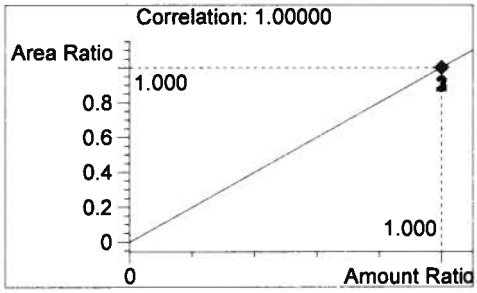
vial # 4



#	Compound	Area	RT
1	Ethanol	3447	1.040
2	n-Propanol	2771	1.705
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Jul 05

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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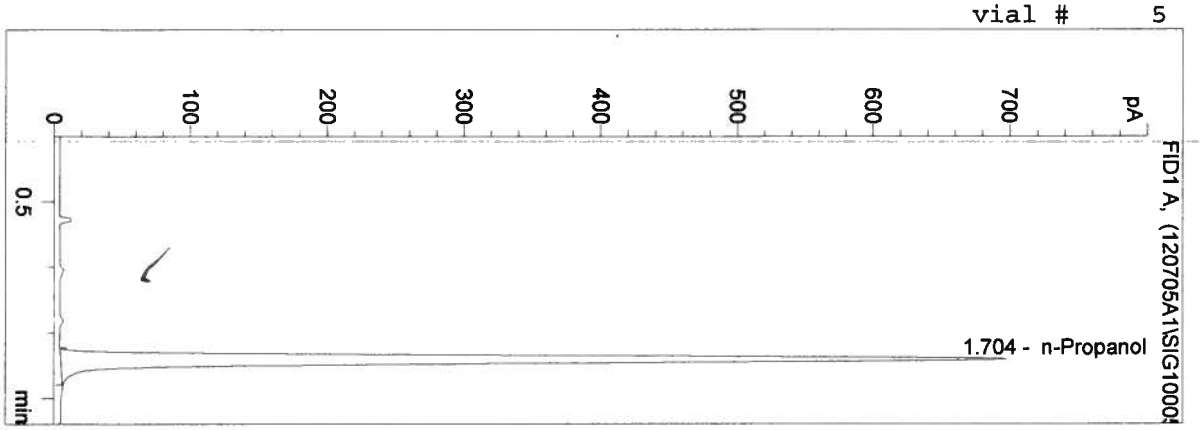
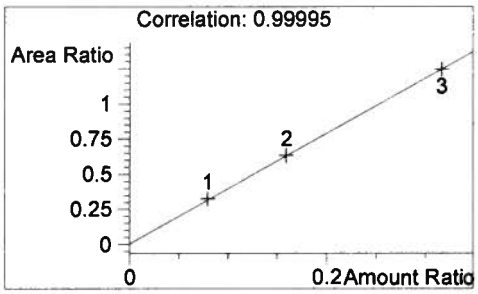
7/5/2012 11:59:50 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

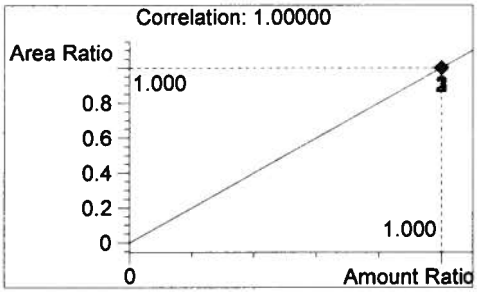
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2751	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AA
2012 Jul 05

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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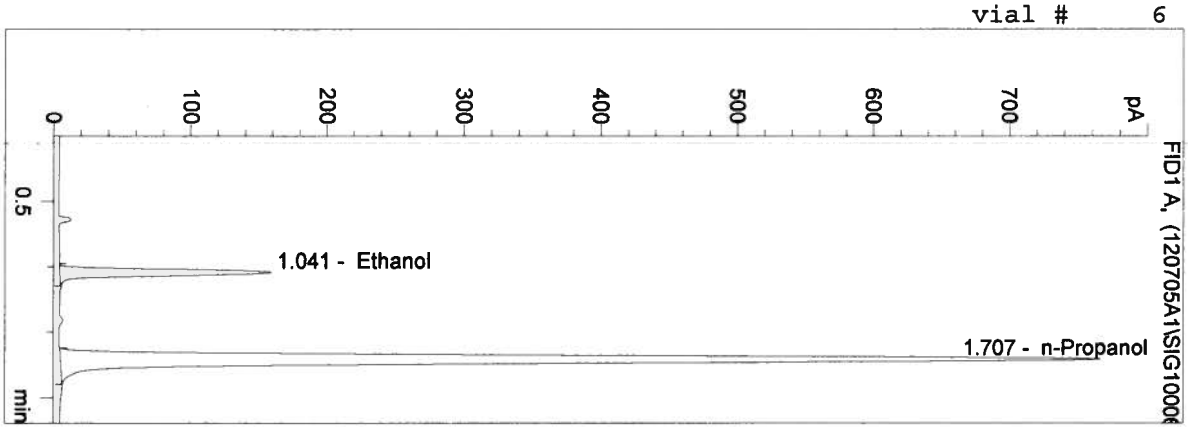
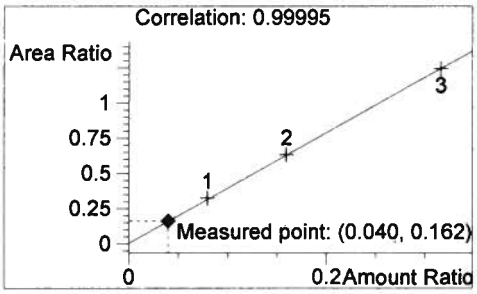
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

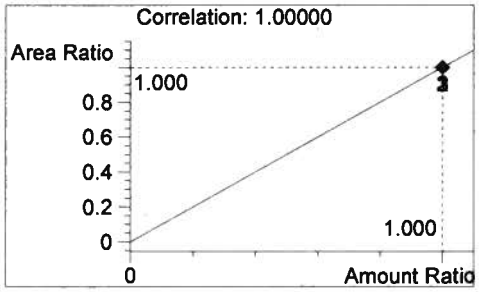
vial # 6



#	Compound	Area	RT
1	Ethanol	489	1.041
2	n-Propanol	3027	1.707
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

BK
2012 Jul 05

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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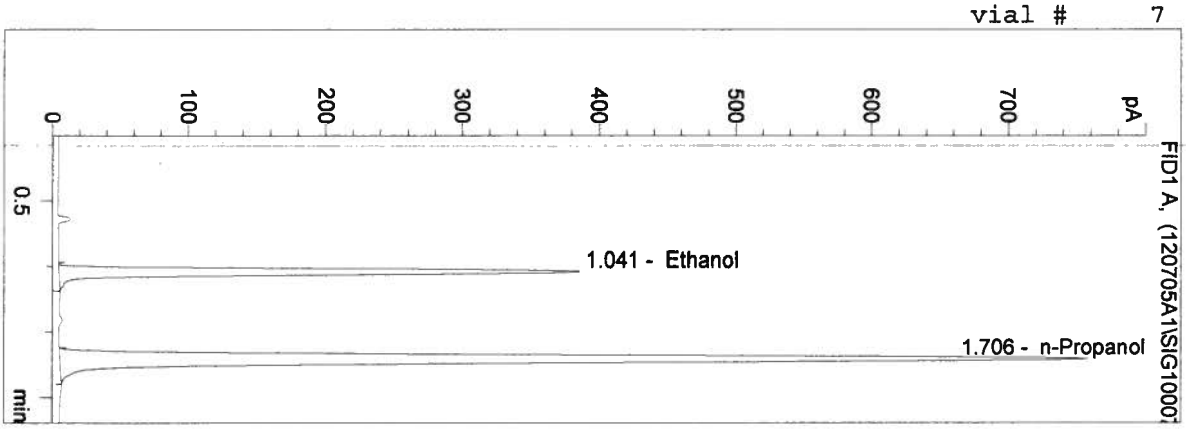
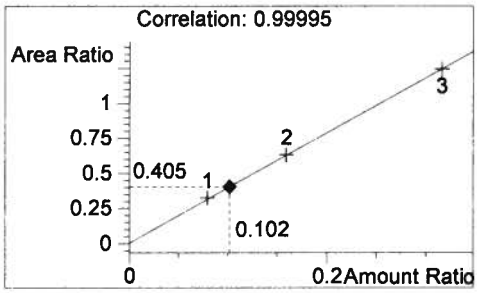
7/5/2012 12:06:00 PM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

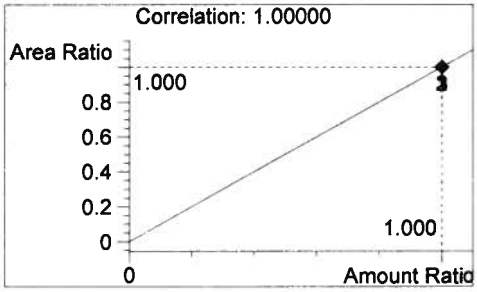
vial # 7



#	Compound	Area	RT
1	Ethanol	1216	1.041
2	n-Propanol	3002	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

2012 JUL 05

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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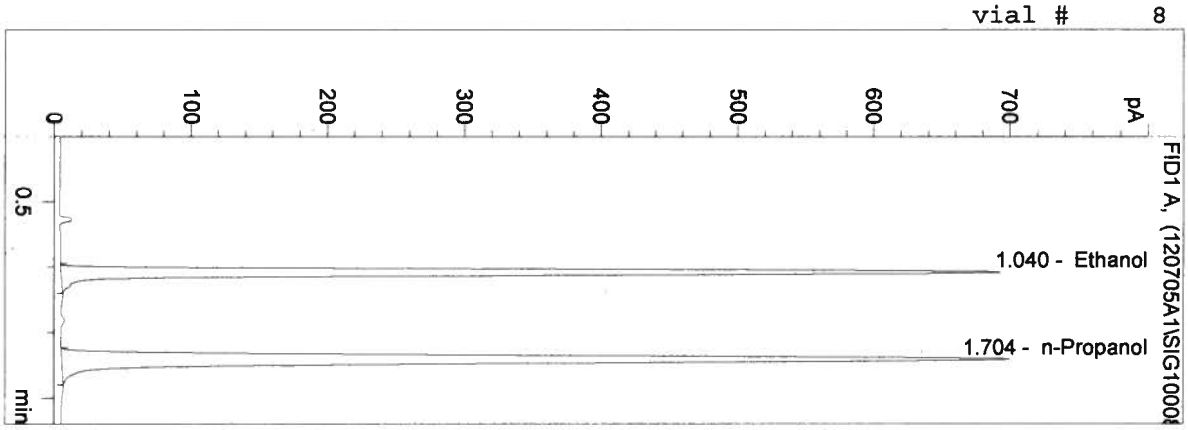
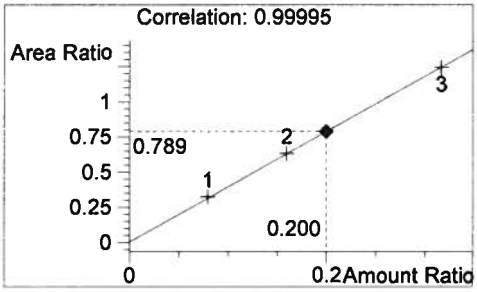
7/5/2012 12:09:05 PM
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

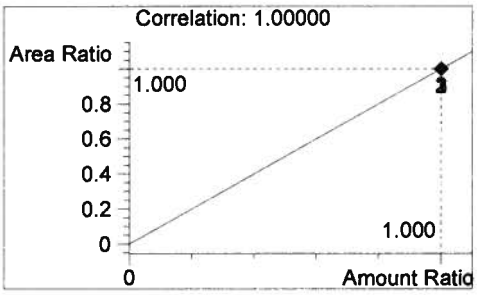
vial # 8



#	Compound	Area	RT
1	Ethanol	2173	1.040
2	n-Propanol	2755	1.704
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

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20.2 Jul 05

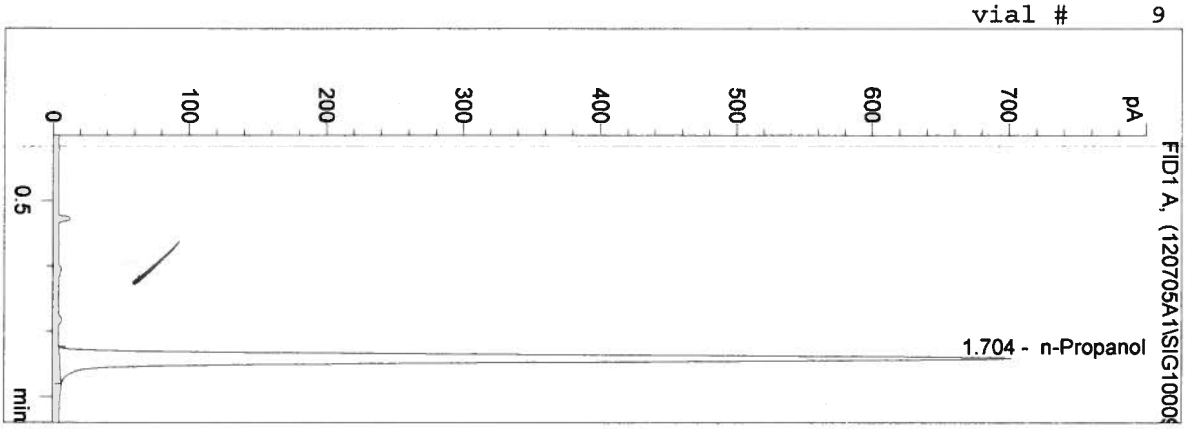
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

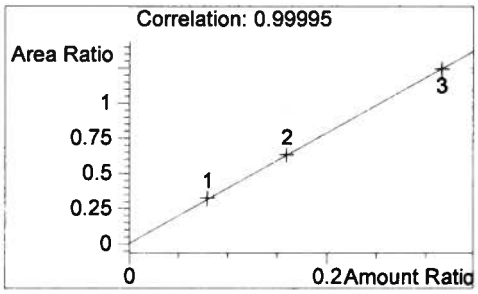
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 12:12:09 PM
Instrument 1
DB-ALC1

neg control - al
asa louis

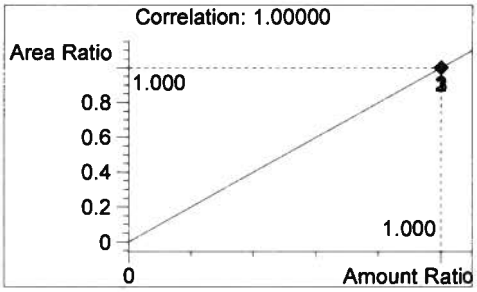
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2768	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

2012 Jul 05

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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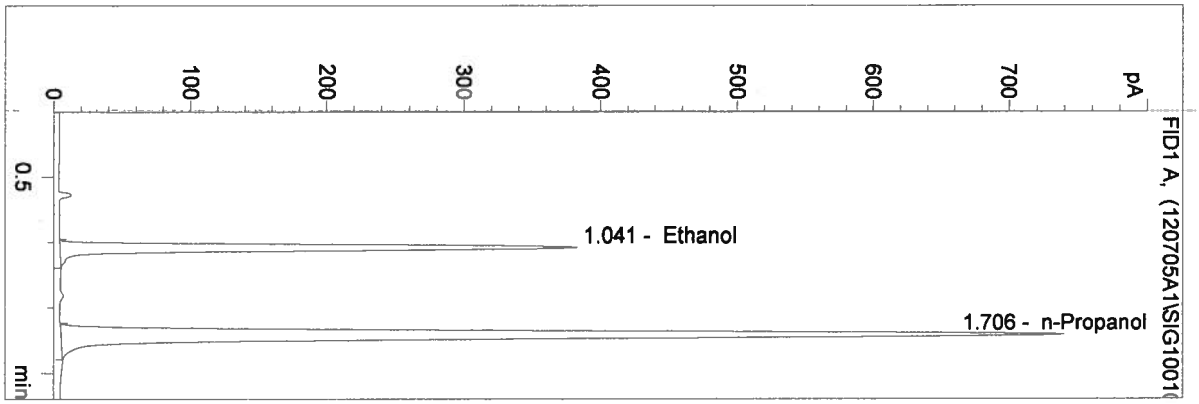
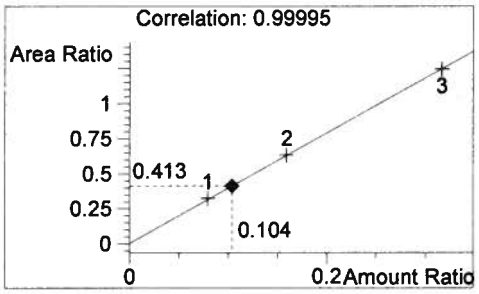
7/5/2012 12:15:14 PM
Instrument 1
DB-ALC1

12026 #1
asa louis

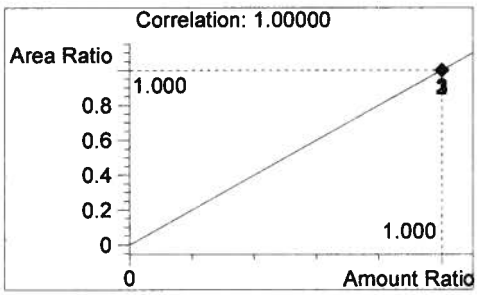
vial # 10



#	Compound	Area	RT
1	Ethanol	1205	1.041
2	n-Propanol	2920	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 Jul 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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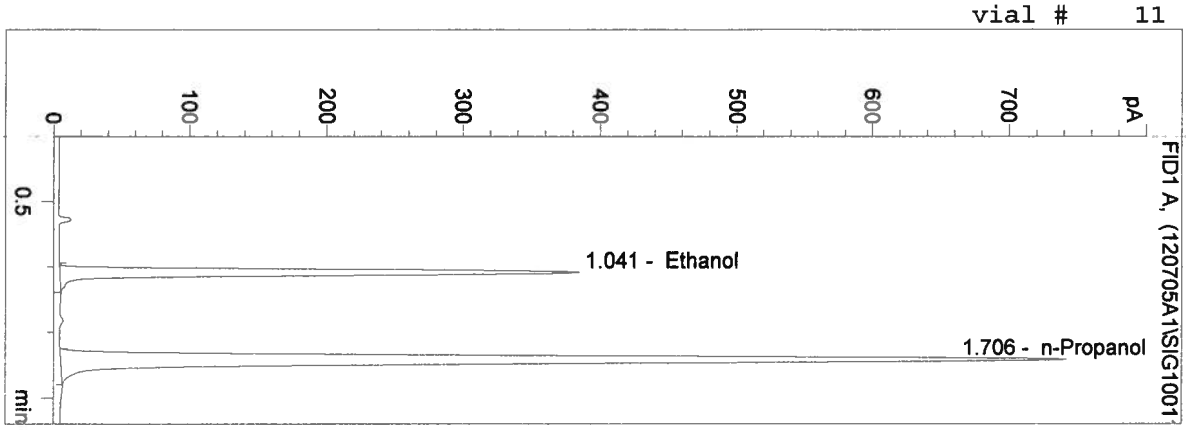
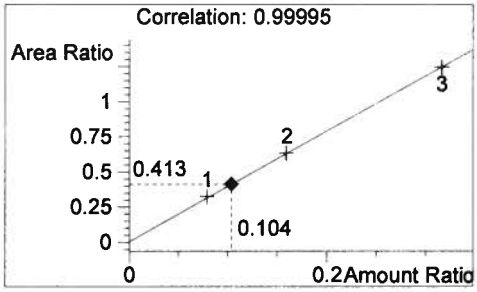
7/5/2012 12:18:19 PM
Instrument 1
DB-ALC1

12026 #2
asa louis

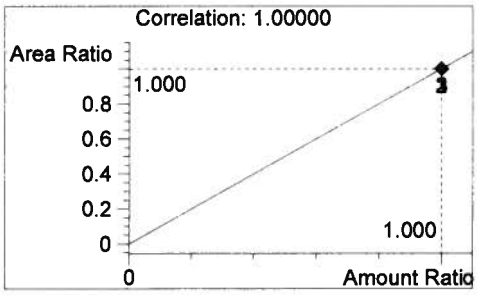
vial # 11



#	Compound	Area	RT
1	Ethanol	1212	1.041
2	n-Propanol	2934	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

AK
2012 JUL 05

WASHINGTON STATE TOXICOLOGY LABORATORY

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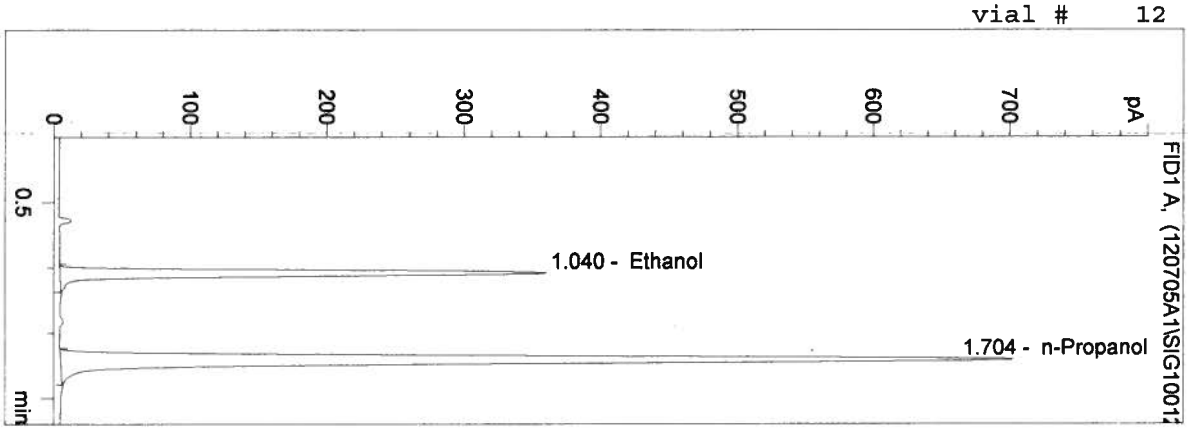
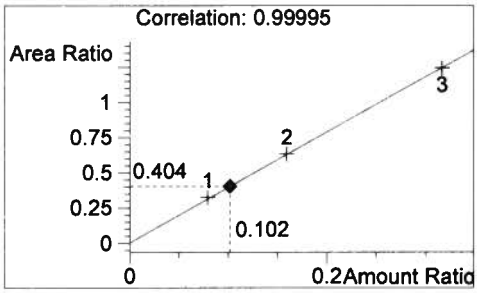
7/5/2012 12:21:23 PM
Instrument 1
DB-ALC1

12026 #3
asa louis

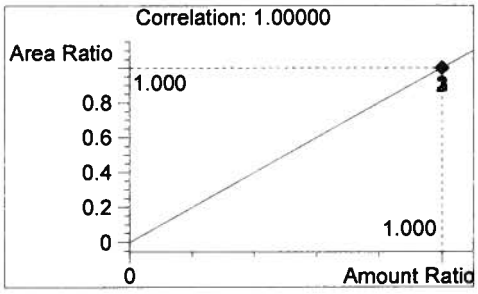
vial # 12



#	Compound	Area	RT
1	Ethanol	1122	1.040
2	n-Propanol	2775	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

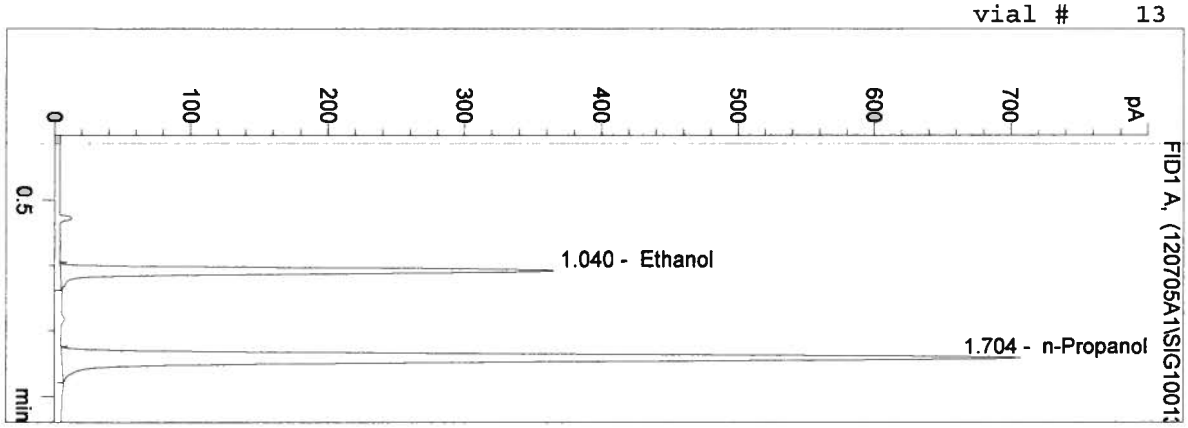
2012 Jul 05

WASHINGTON STATE TOXICOLOGY LABORATORY

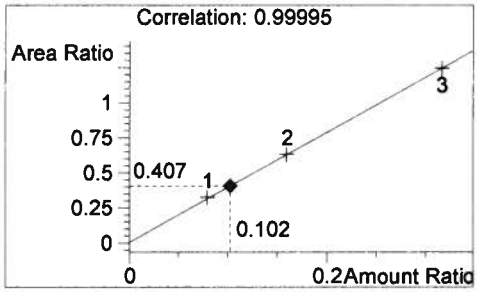
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 12:24:28 PM
Instrument 1
DB-ALC1

12026 #4
asa louis

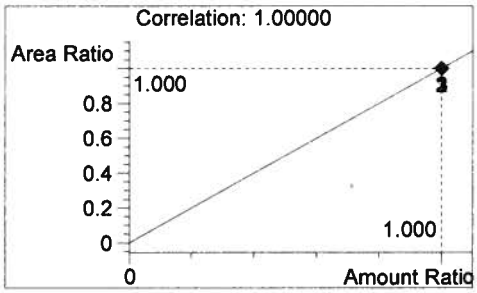
vial # 13



#	Compound	Area	RT
1	Ethanol	1134	1.040
2	n-Propanol	2784	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

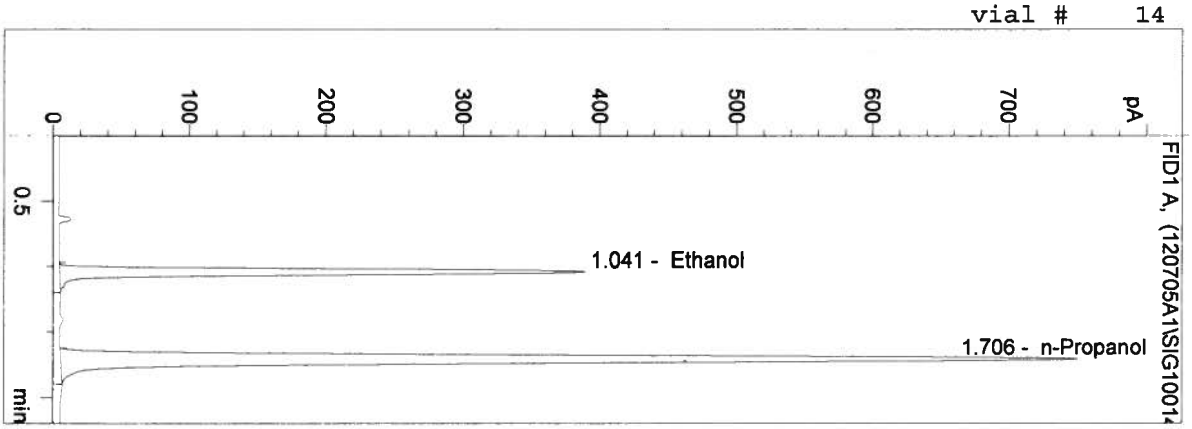
A
2012 Jul 05

WASHINGTON STATE TOXICOLOGY LABORATORY

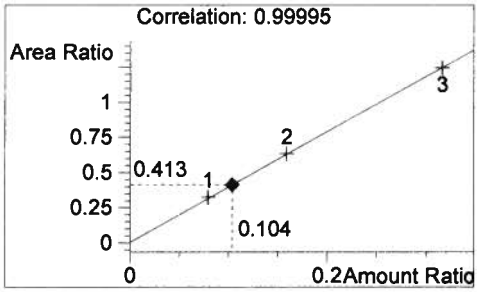
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 12:27:33 PM
Instrument 1
DB-ALC1

12026 #5
asa louis

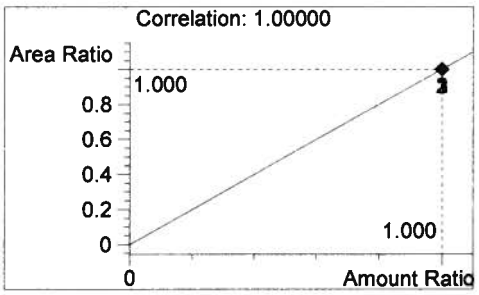
vial # 14



#	Compound	Area	RT
1	Ethanol	1223	1.041
2	n-Propanol	2961	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

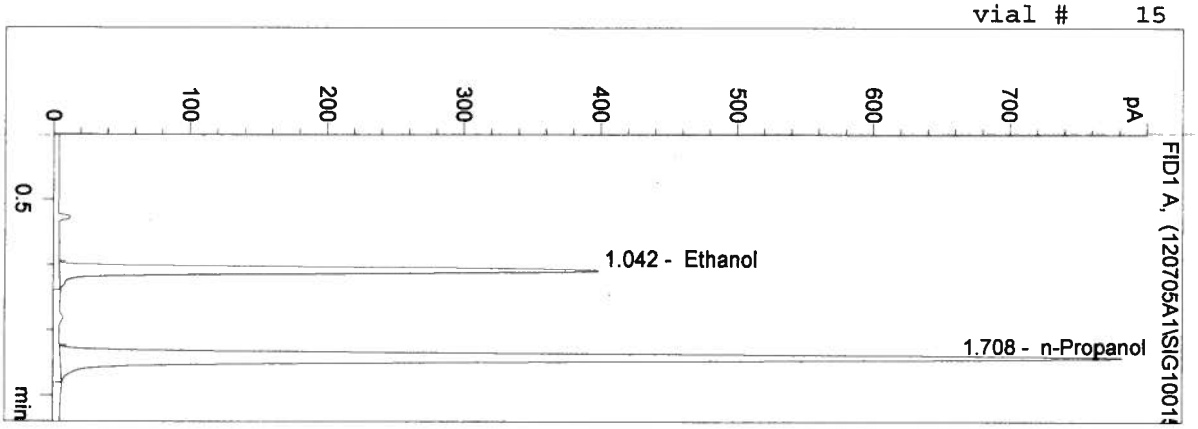
2012 Jul 05

WASHINGTON STATE TOXICOLOGY LABORATORY

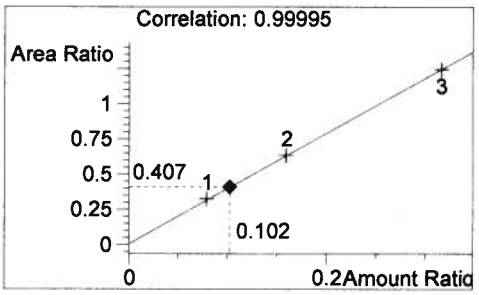
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 12:30:37 PM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

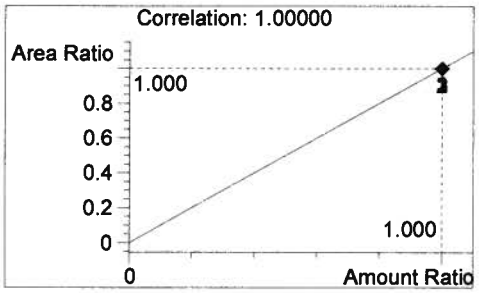
vial # 15



#	Compound	Area	RT
1	Ethanol	1263	1.042
2	n-Propanol	3100	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

2012 Jul 05

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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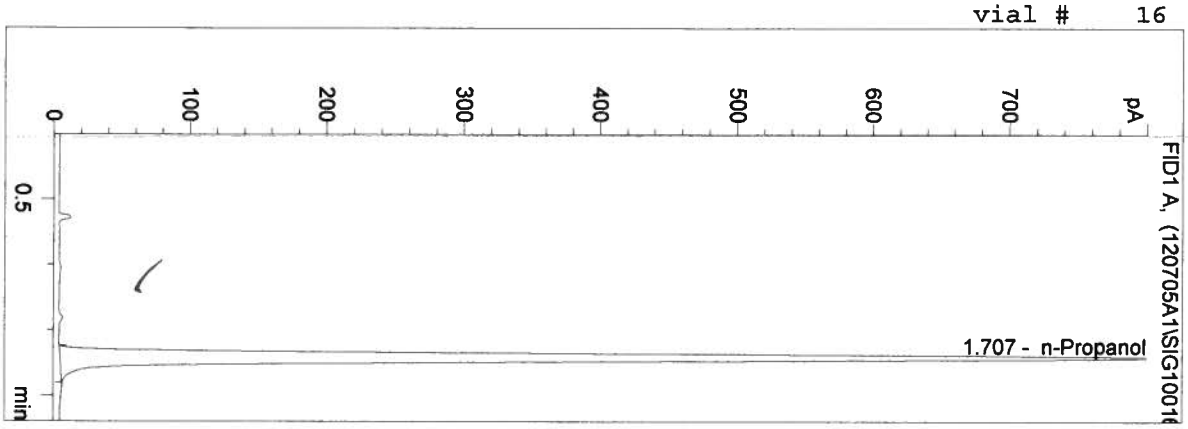
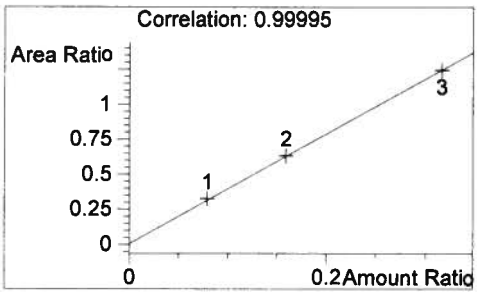
7/5/2012 12:33:42 PM
Instrument 1
DB-ALC1

neg control - al
asa louis

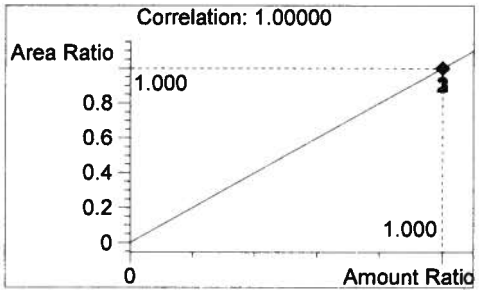
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3201	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

K 2012 Jul 05

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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:	120705RF
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	

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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	12026 #1	SIMALC1	1	Sample		
11	Vial 11	12026 #2	SIMALC1	1	Sample		
12	Vial 12	12026 #3	SIMALC1	1	Sample		
13	Vial 13	12026 #4	SIMALC1	1	Sample		
14	Vial 14	12026 #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

12026

Calibration Table

Calib. Data Modified : Thursday, July 05, 2012 1:55:52 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	856.15680	9.24831e-5	1		Ethanol
		2	1.59320e-1	1740.64624	9.15292e-5			
		3	3.16260e-1	3416.73242	9.25621e-5			
1.704	1	1	1.00000	2740.25977	3.64929e-4	I1		n-Propanol
		2	1.00000	2784.43359	3.59139e-4			
		3	1.00000	2758.33521	3.62538e-4			

Peak Sum Table

No Entries in table

RC 12026

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Calibration Curves

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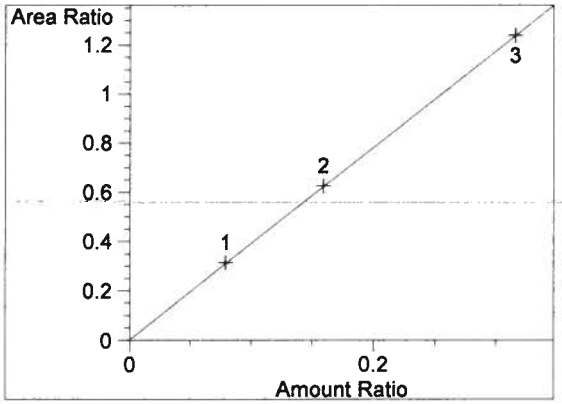
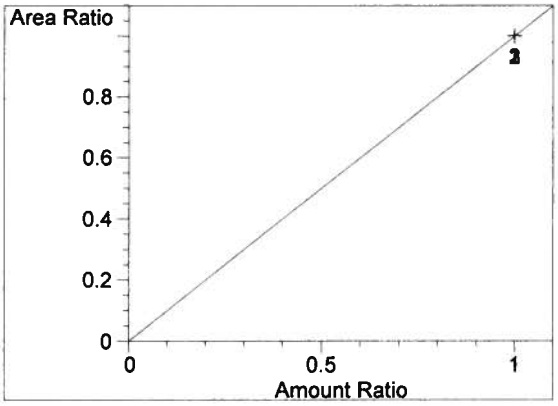


Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00131
Formula: y = mx + b
m: 3.91460
b: 1.14969e-3
x: Amount Ratio
y: Area Ratio



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

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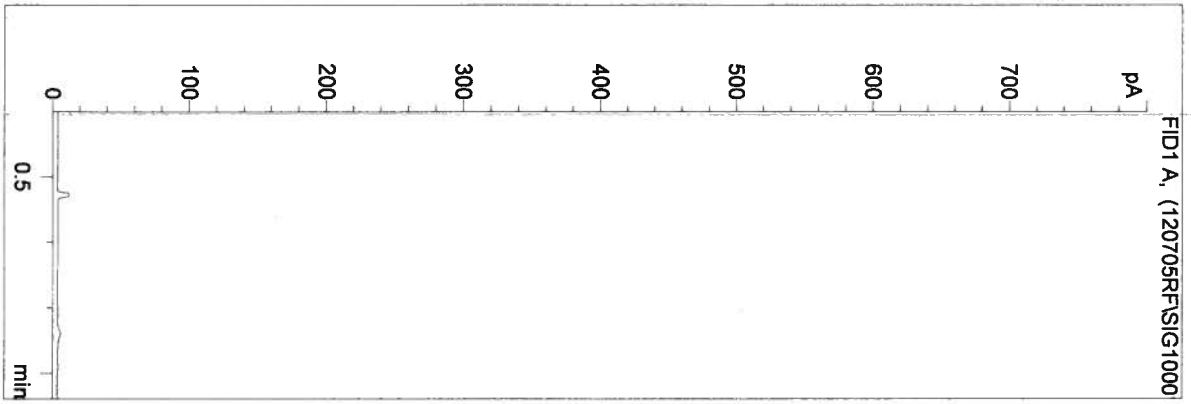
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

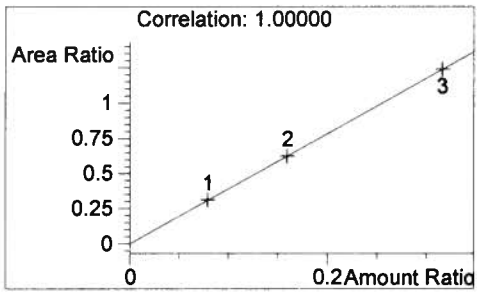
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 1:44:25 PM
Instrument 1
DB-ALC1

BLANK
Rebecca Flaherty

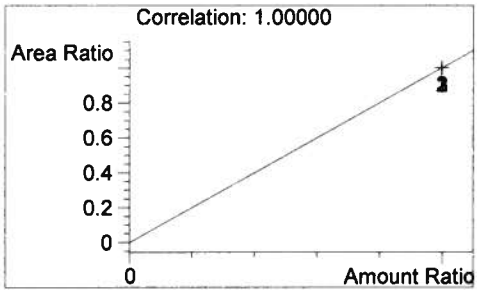
vial # 1



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



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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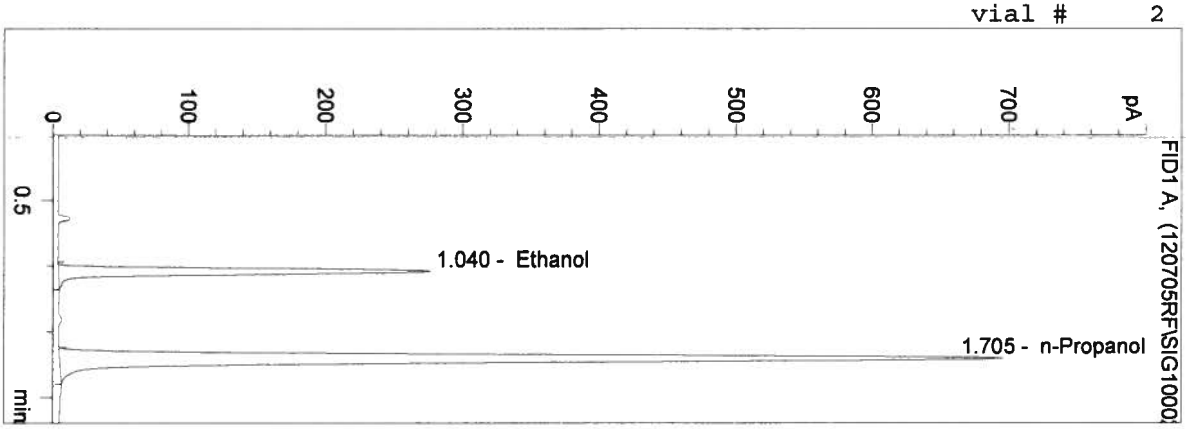
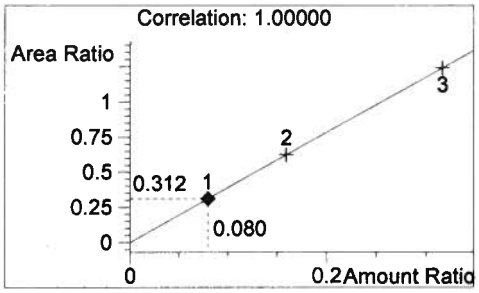
Instrument 1
DB-ALC1

0.079 CAL 1
Rebecca Flaherty

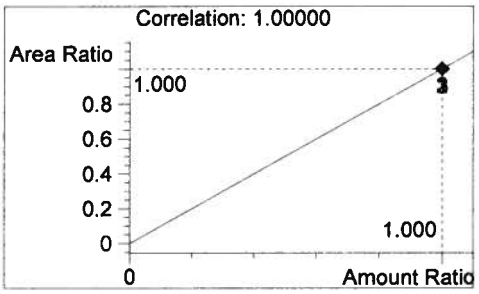
vial # 2



#	Compound	Area	RT
1	Ethanol	856	1.040
2	n-Propanol	2740	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

RF

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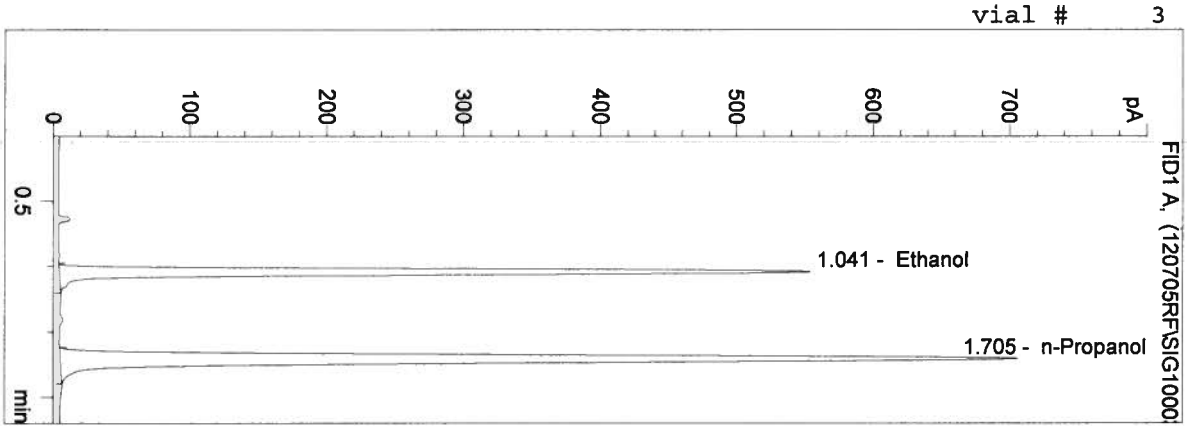
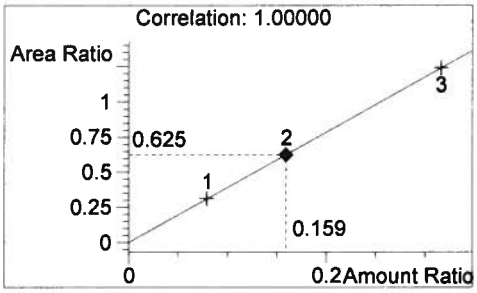
Instrument 1
DB-ALC1

0.158 CAL 2
Rebecca Flaherty

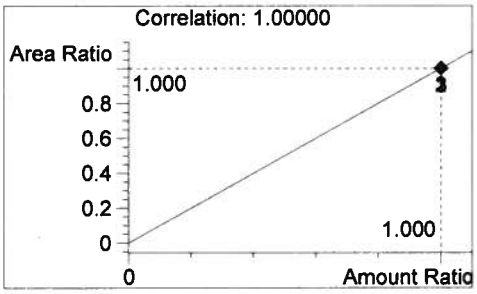
vial # 3



#	Compound	Area	RT
1	Ethanol	1741	1.041
2	n-Propanol	2784	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

RF

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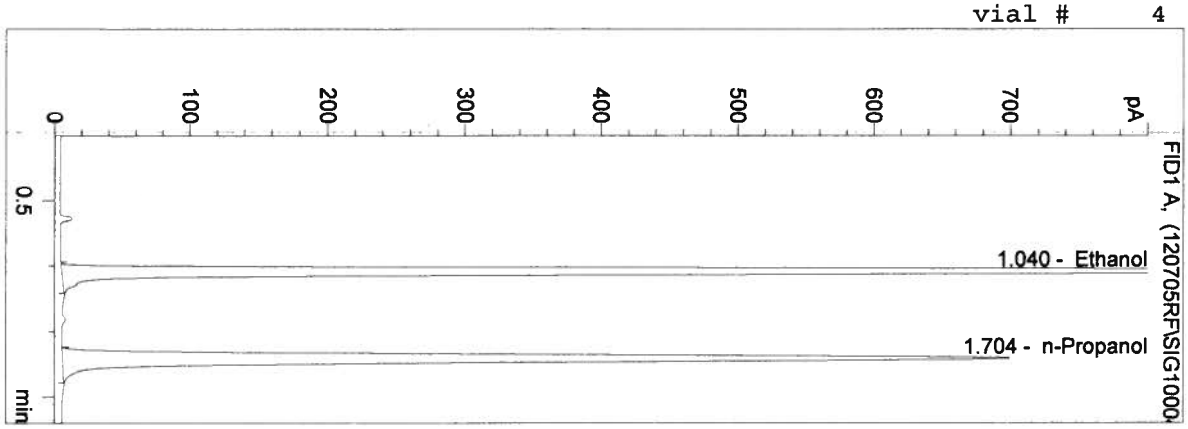
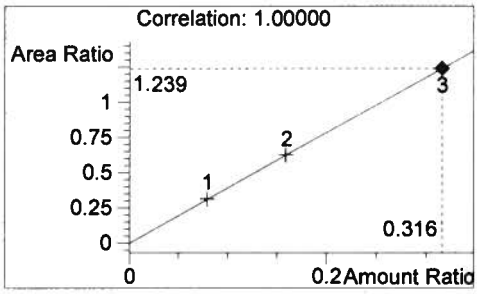
Instrument 1
DB-ALC1

0.316 CAL 3
Rebecca Flaherty

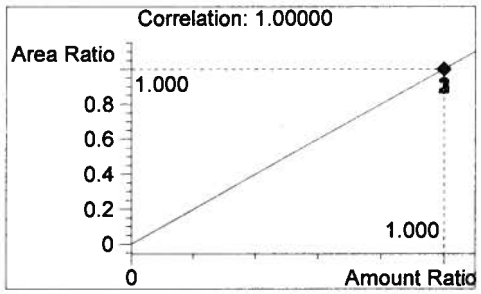
vial # 4



#	Compound	Area	RT
1	Ethanol	3417	1.040
2	n-Propanol	2758	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

RF

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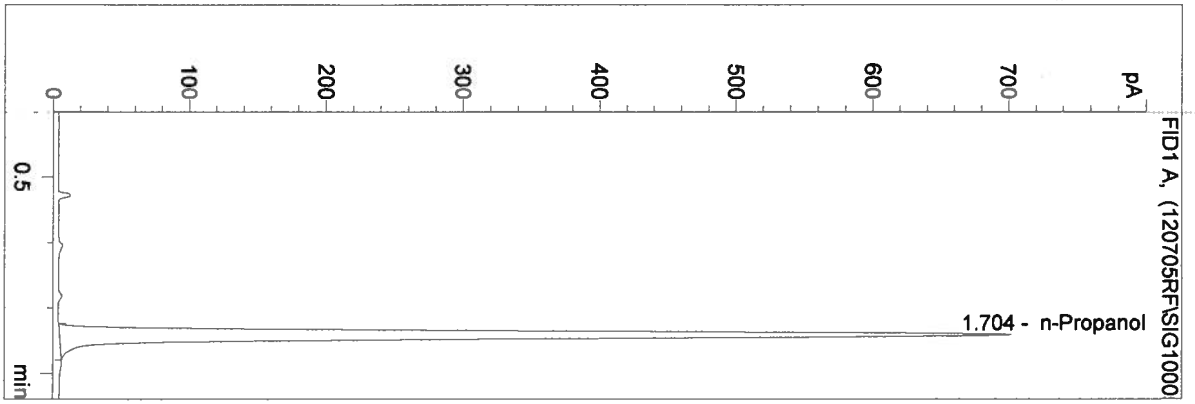
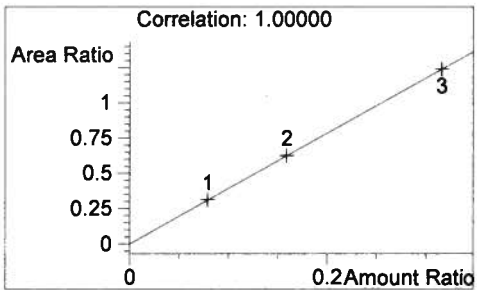
Instrument 1
DB-ALC1

NEG CONTROL-RF
Rebecca Flaherty

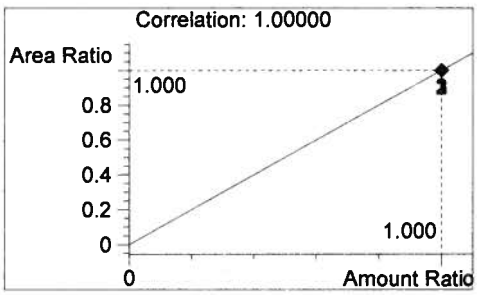
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2771	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

RF

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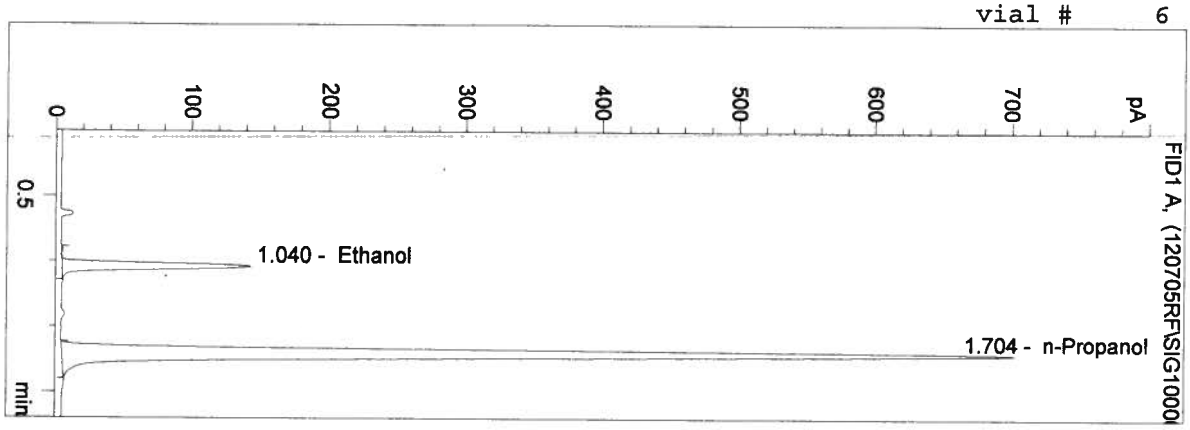
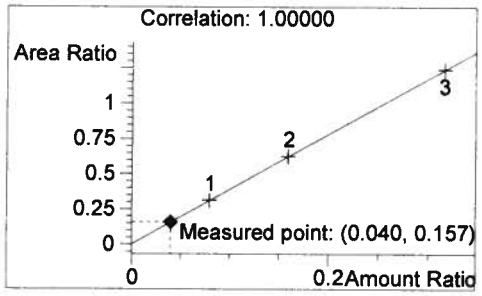
Instrument 1
DB-ALC1

0.04 CONTROL-RF
Rebecca Flaherty

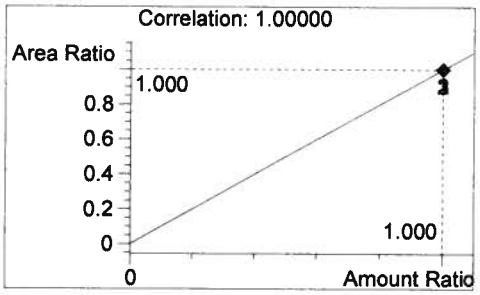
vial # 6



#	Compound	Area	RT
1	Ethanol	435	1.040
2	n-Propanol	2771	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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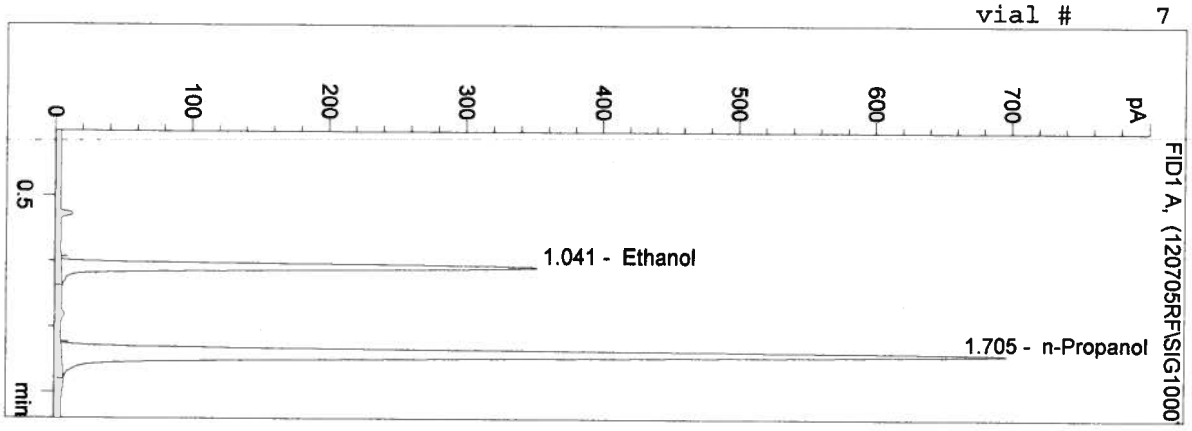
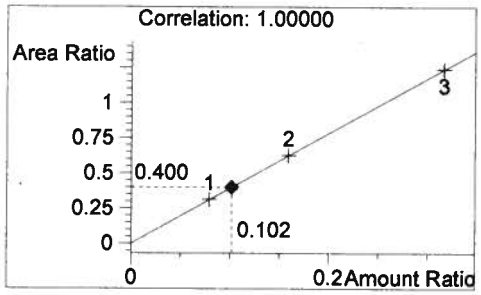
Instrument 1
DB-ALC1

0.10 CONTROL-RF
Rebecca Flaherty

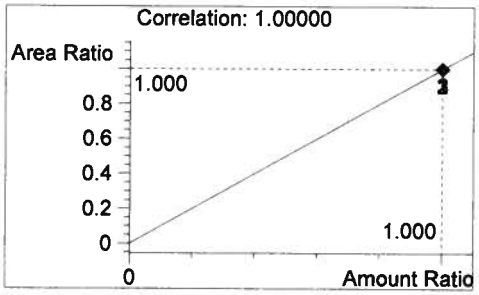
vial # 7



#	Compound	Area	RT
1	Ethanol	1099	1.041
2	n-Propanol	2750	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

RF

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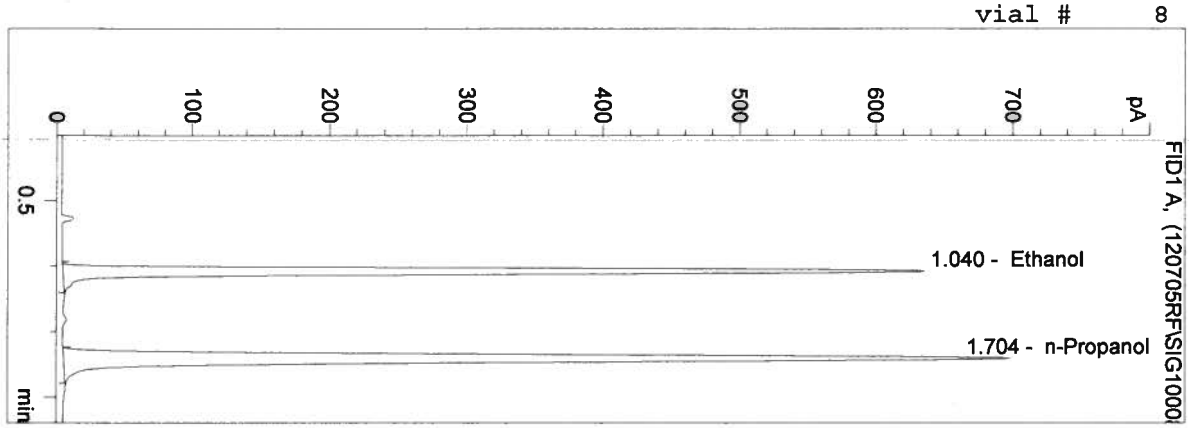
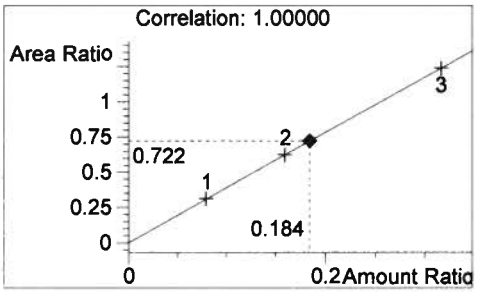
Instrument 1
DB-ALC1

0.20 CONTROL-RF
Rebecca Flaherty

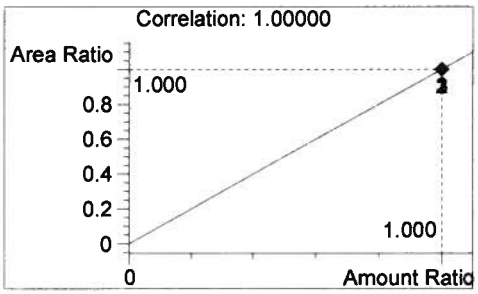
vial # 8



#	Compound	Area	RT
1	Ethanol	1993	1.040
2	n-Propanol	2759	1.704
Tot			



Ethanol 0.184 g/100 mL



n-Propanol 1.000 g/100 mL

RF

12026

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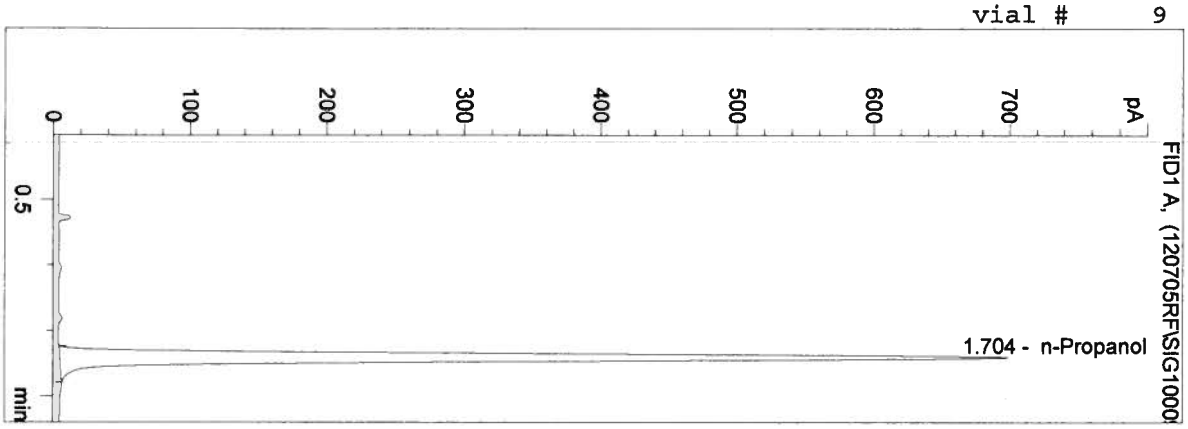
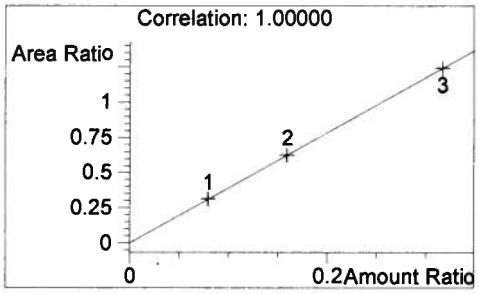
Instrument 1
DB-ALC1

NEG CONTROL-RF
Rebecca Flaherty

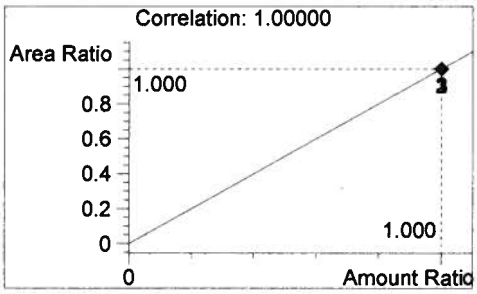
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2760	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

RF

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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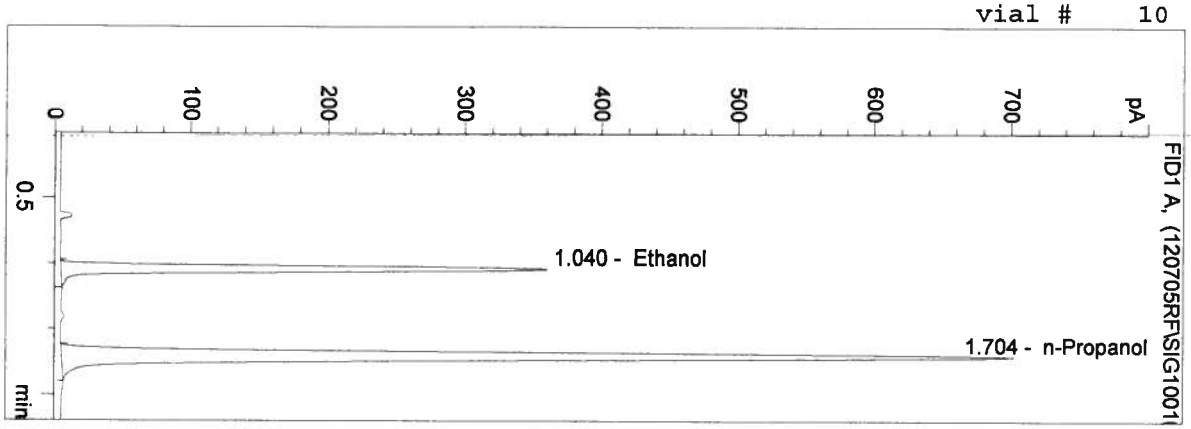
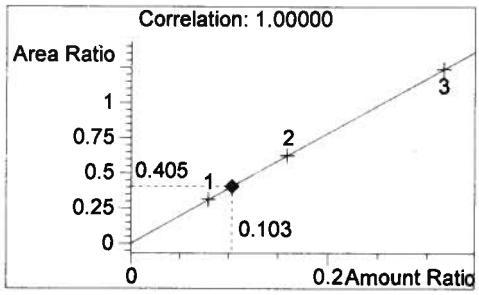
7/5/2012 2:12:07 PM
Instrument 1
DB-ALC1

12026 #1
Rebecca Flaherty

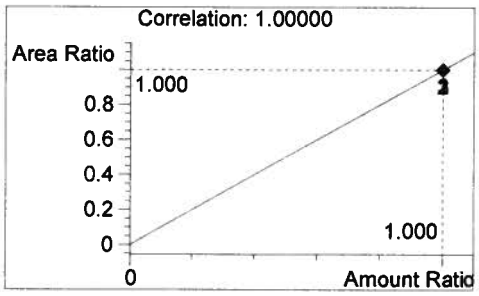
vial # 10



#	Compound	Area	RT
1	Ethanol	1121	1.040
2	n-Propanol	2768	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

RF

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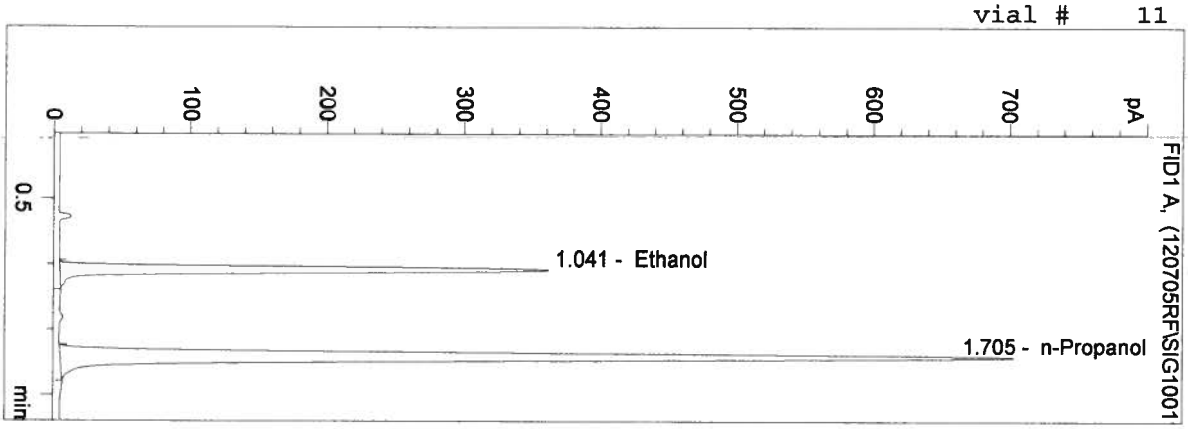
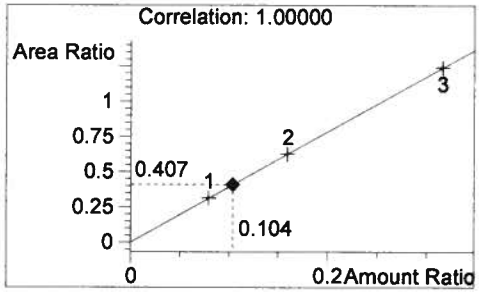
Instrument 1
DB-ALC1

12026 #2
Rebecca Flaherty

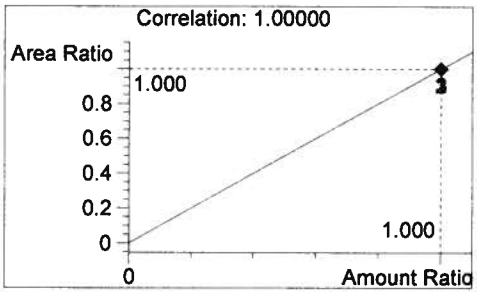
vial # 11



#	Compound	Area	RT
1	Ethanol	1130	1.041
2	n-Propanol	2775	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

RF

WASHINGTON STATE TOXICOLOGY LABORATORY

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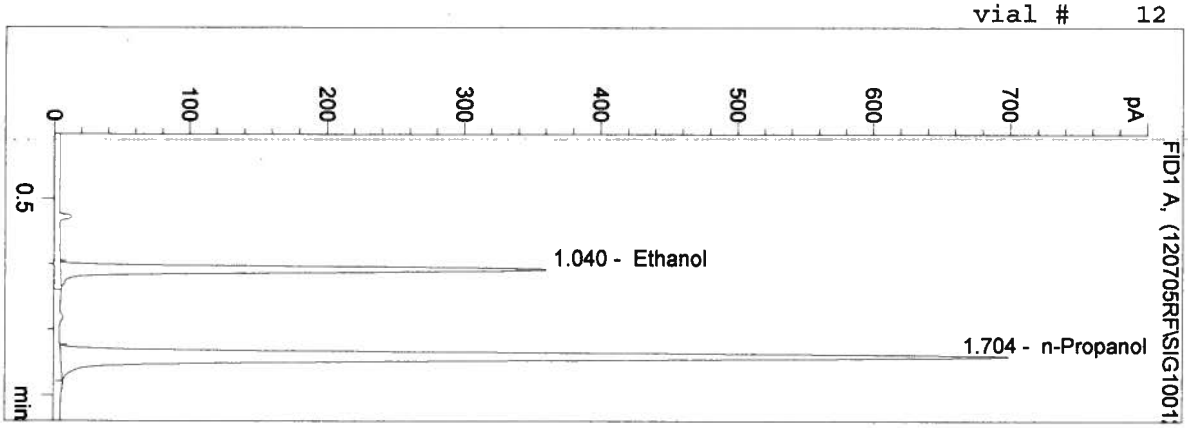
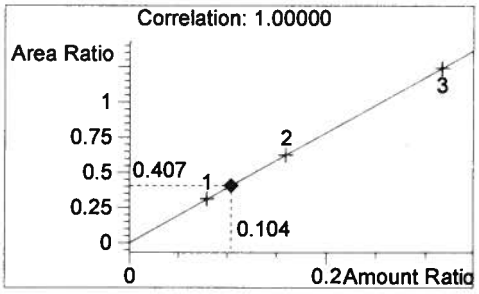
7/5/2012 2:18:17 PM
Instrument 1
DB-ALC1

12026 #3
Rebecca Flaherty

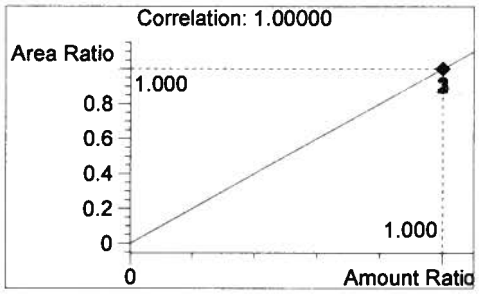
vial # 12



#	Compound	Area	RT
1	Ethanol	1120	1.040
2	n-Propanol	2753	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

RF

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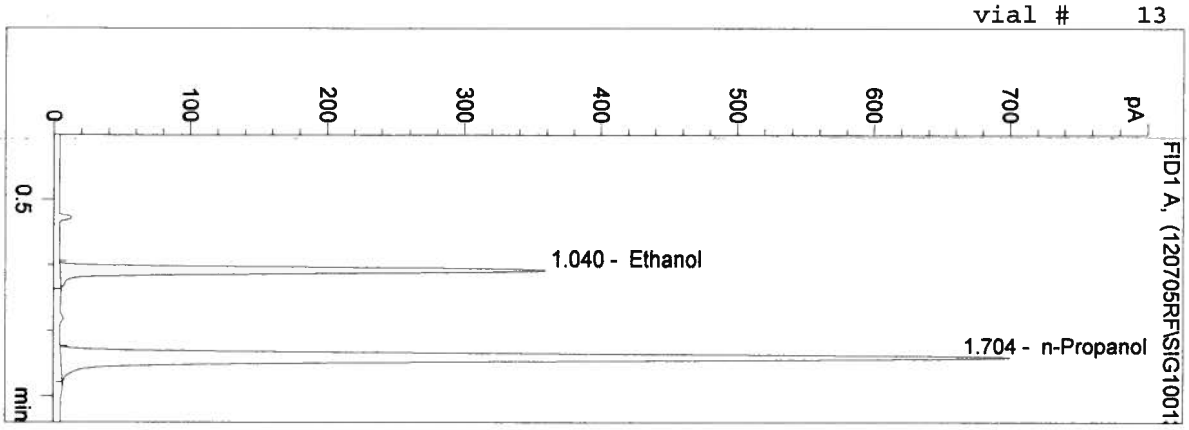
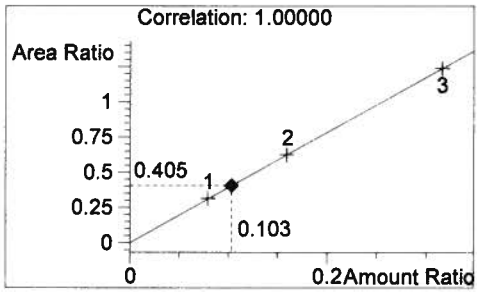
7/5/2012 2:21:22 PM
Instrument 1
DB-ALC1

12026 #4
Rebecca Flaherty

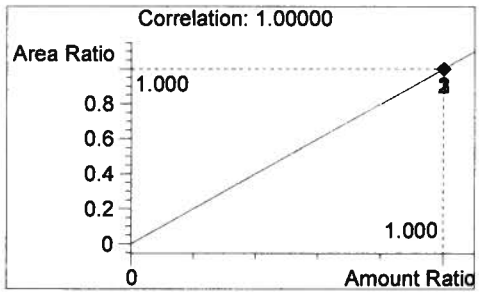
vial # 13



#	Compound	Area	RT
1	Ethanol	1118	1.040
2	n-Propanol	2758	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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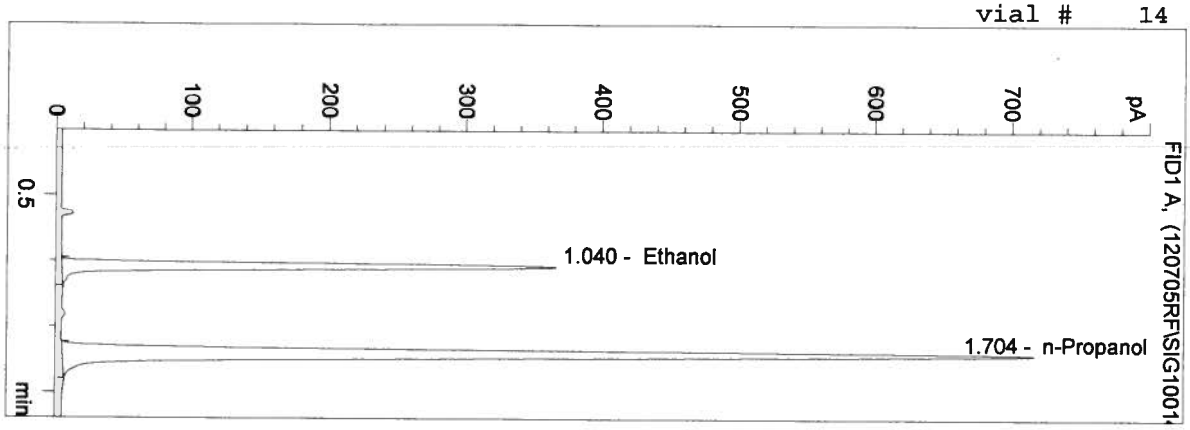
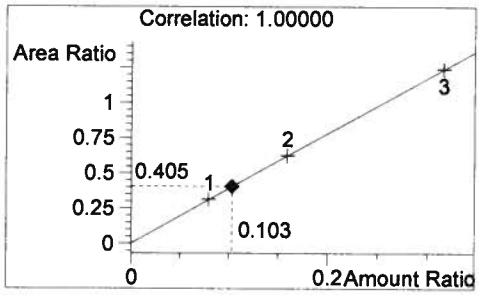
Instrument 1
DB-ALC1

12026 #5
Rebecca Flaherty

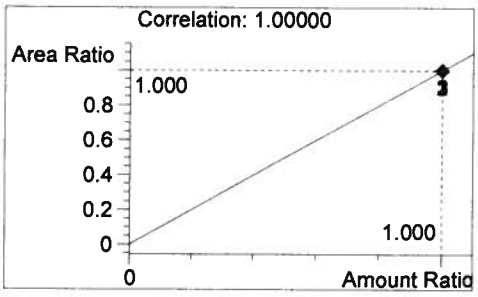
vial # 14



#	Compound	Area	RT
1	Ethanol	1144	1.040
2	n-Propanol	2822	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

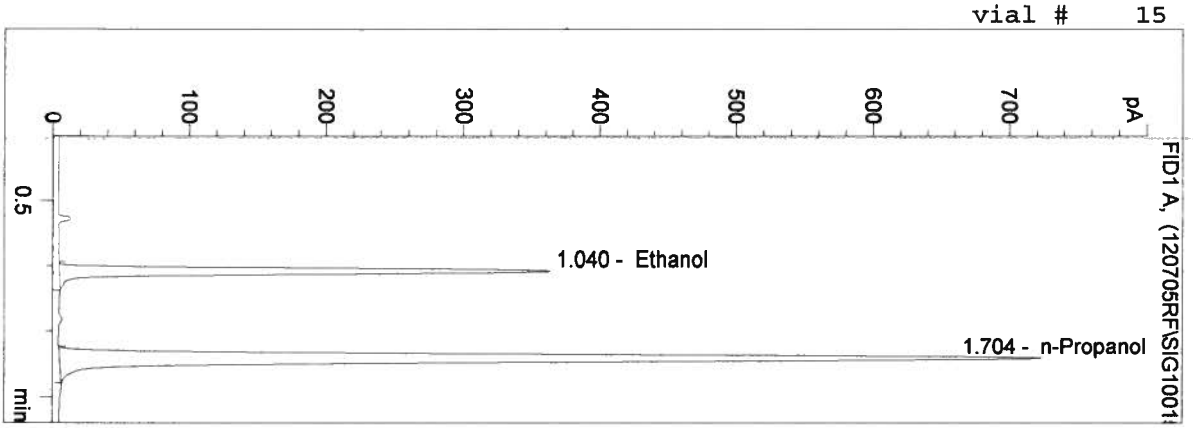
RG

WASHINGTON STATE TOXICOLOGY LABORATORY

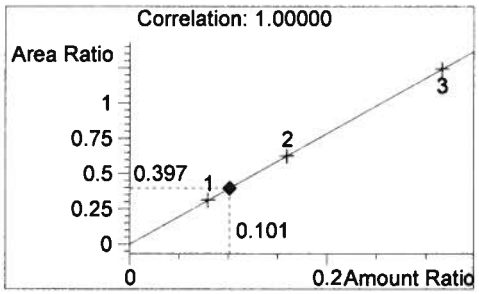
C:\HPCHEM\1\METHODS\SIMALC1.M
7/5/2012 2:27:31 PM
Instrument 1
DB-ALC1

0.10 CONTROL-RF
Rebecca Flaherty

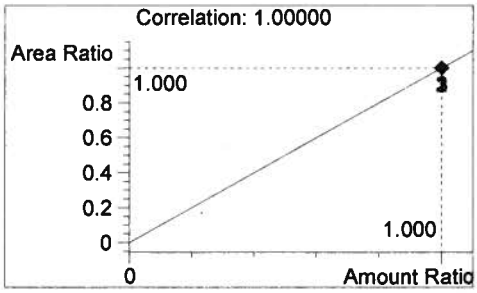
vial # 15



#	Compound	Area	RT
1	Ethanol	1133	1.040
2	n-Propanol	2853	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

RF

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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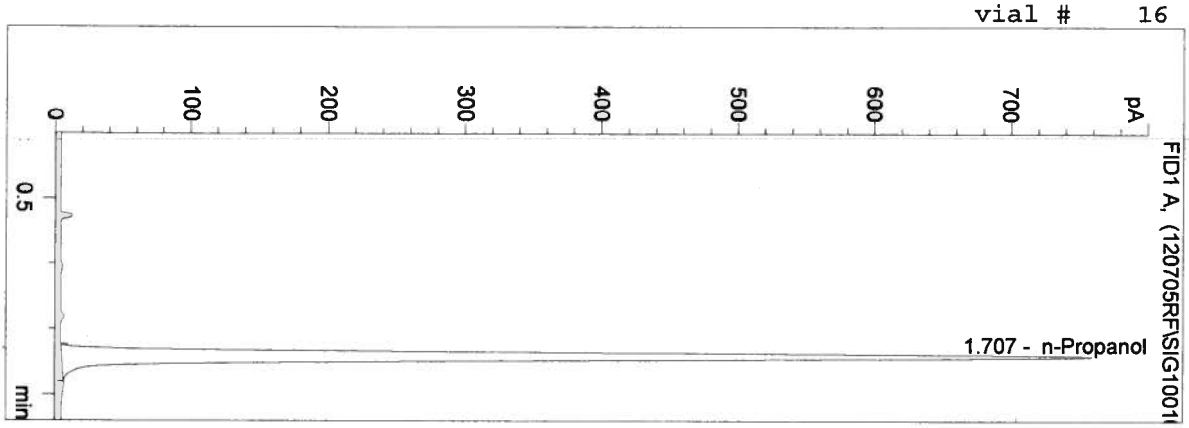
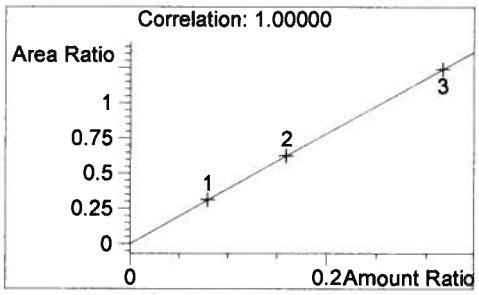
7/5/2012 2:30:36 PM
Instrument 1
DB-ALC1

NEG CONTROL-RF
Rebecca Flaherty

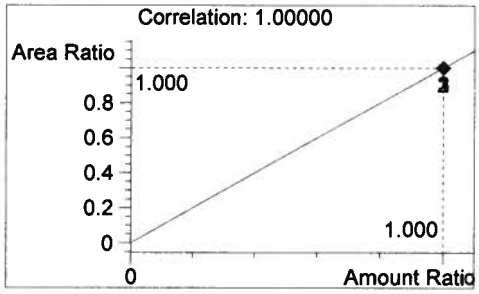
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3009	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

RF

12026

Sequence Parameters:

Operator:	Christie Mitchell-Mata
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:	120706CM
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 Exp. 7/11/2012
3	Vial 3	Lot#E0412-02 Exp. 7/11/2012
4	Vial 4	Lot#E0412-03 Exp. 7/11/2012
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	
15	Vial 15	
16	Vial 16	

CM
12026

Sequence: C:\HPCHEM\1\SEQUENCE\CMEXTSTD.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 - CM	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - CM	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
10	Vial 10	12026 #1	SIMALC1	1	Sample		
11	Vial 11	12026 #2	SIMALC1	1	Sample		
12	Vial 12	12026 #3	SIMALC1	1	Sample		
13	Vial 13	12026 #4	SIMALC1	1	Sample		
14	Vial 14	12026 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	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!

CM

12026

Calibration Table

Calib. Data Modified : Friday, July 06, 2012 12:03:08 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	869.41809	9.10724e-5	1		Ethanol
		2	1.59320e-1	1723.16565	9.24577e-5			
		3	3.16260e-1	3434.42603	9.20853e-5			
1.704	1	1	1.00000	2780.14600	3.59693e-4	I1		n-Propanol
		2	1.00000	2765.18555	3.61639e-4			
		3	1.00000	2774.12842	3.60474e-4			

Peak Sum Table

No Entries in table

12026

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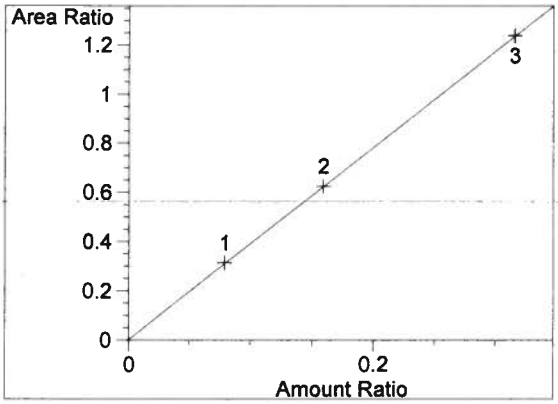
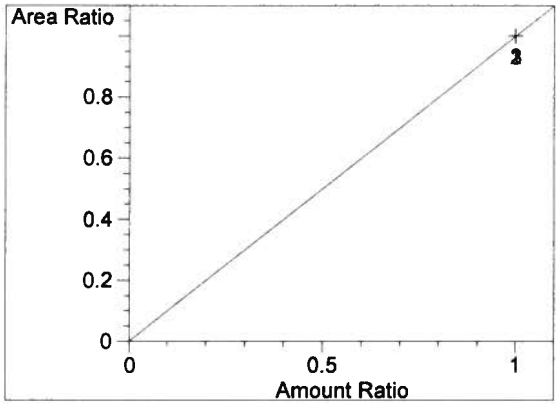
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00174
Formula: y = mx + b
m: 3.91136
b: 1.01011e-3
x: Amount Ratio
y: Area Ratio



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

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CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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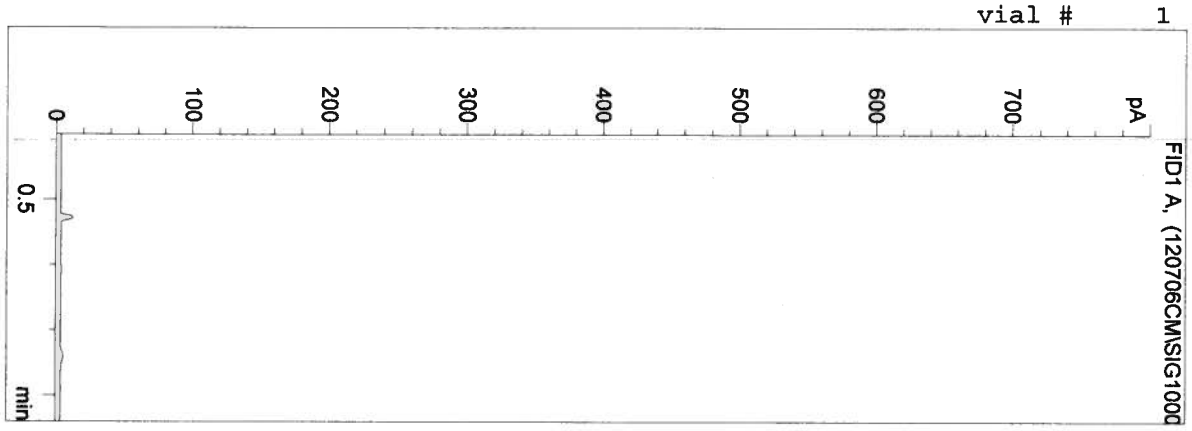
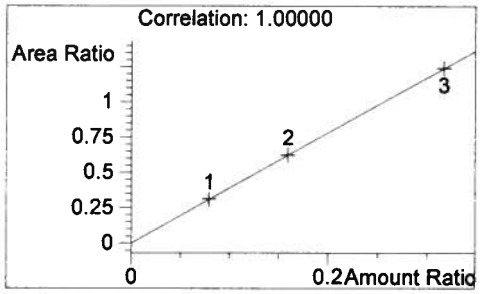
7/6/2012 11:51:40 AM
Instrument 1
DB-ALC1

BLANK
Christie Mitchell-Mata

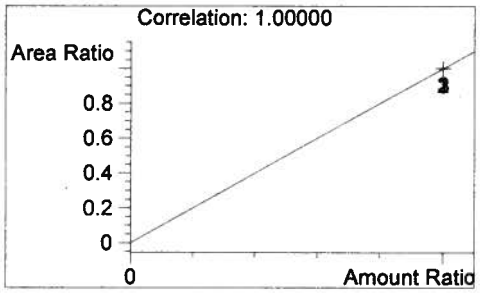
vial # 1



#	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

12026

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WASHINGTON STATE TOXICOLOGY LABORATORY

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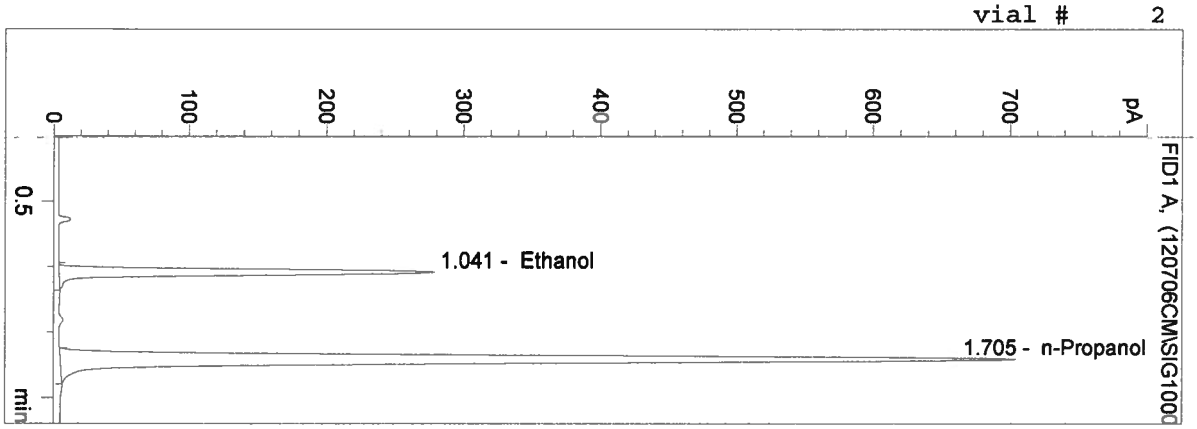
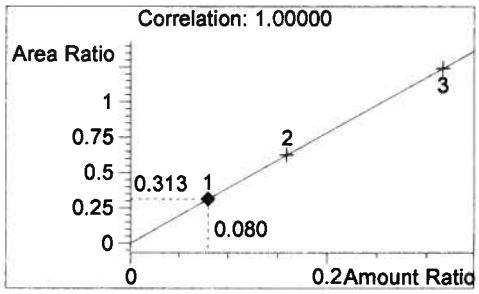
7/6/2012 11:54:45 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Christie Mitchell-Mata

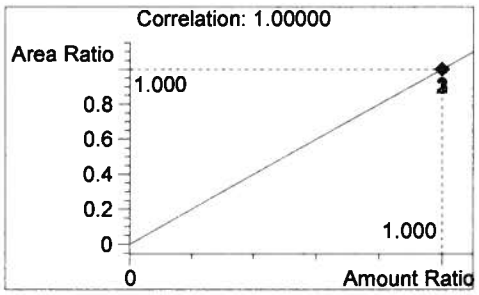
vial # 2



#	Compound	Area	RT
1	Ethanol	869	1.041
2	n-Propanol	2780	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12026

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WASHINGTON STATE TOXICOLOGY LABORATORY

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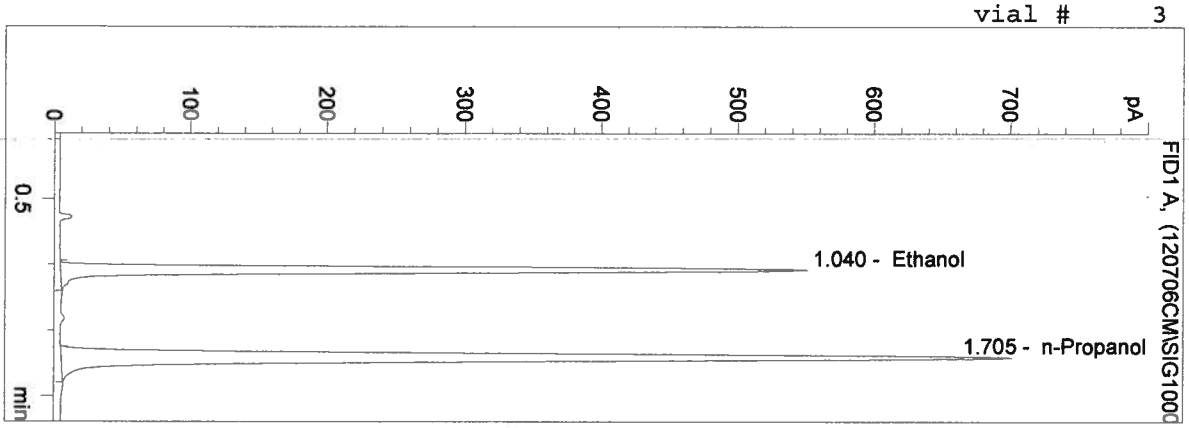
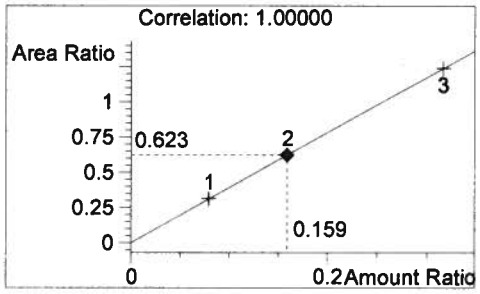
7/6/2012 11:57:50 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Christie Mitchell-Mata

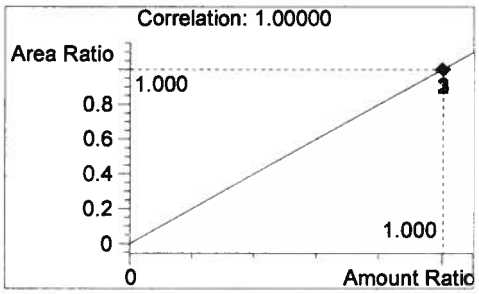
vial # 3



#	Compound	Area	RT
1	Ethanol	1723	1.040
2	n-Propanol	2765	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

12026

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WASHINGTON STATE TOXICOLOGY LABORATORY

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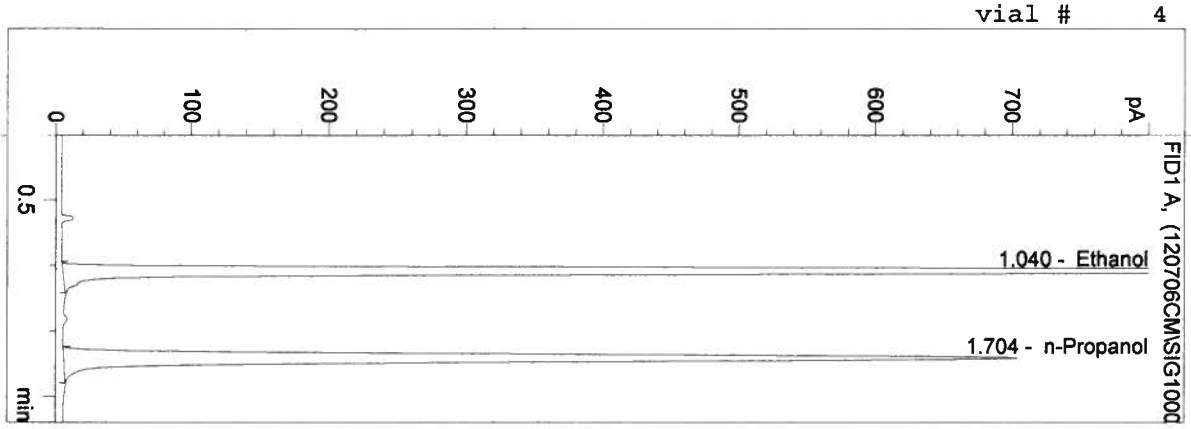
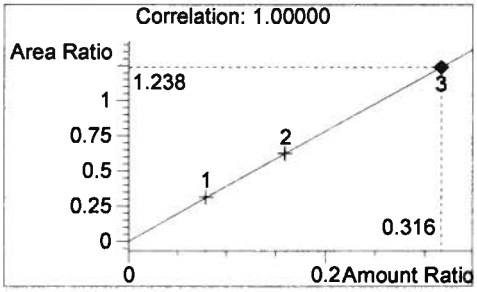
7/6/2012 12:00:54 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Christie Mitchell-Mata

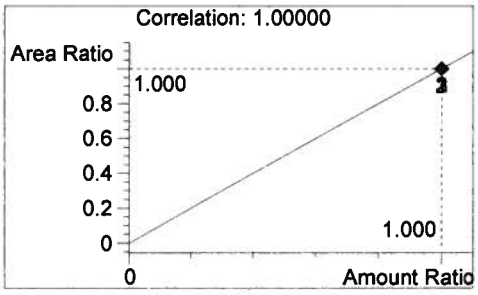
vial # 4



#	Compound	Area	RT
1	Ethanol	3434	1.040
2	n-Propanol	2774	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

12026

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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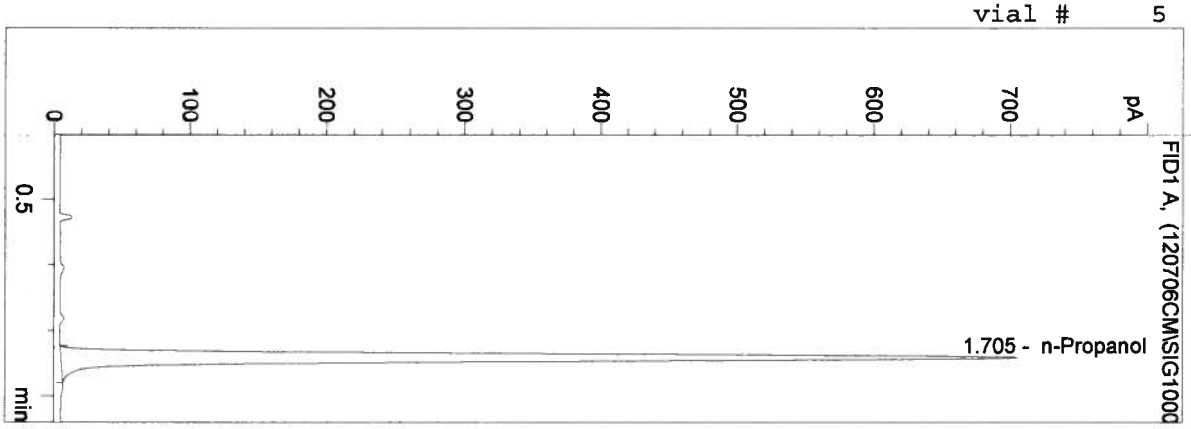
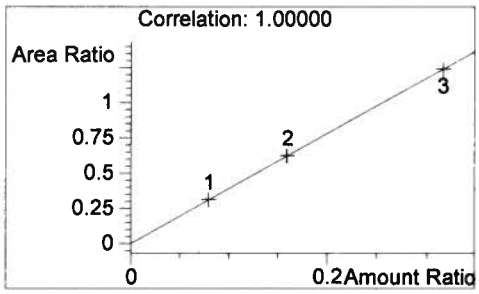
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

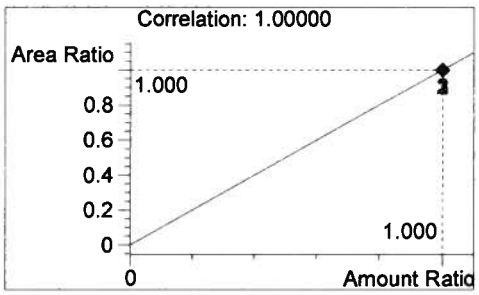
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2782	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12026

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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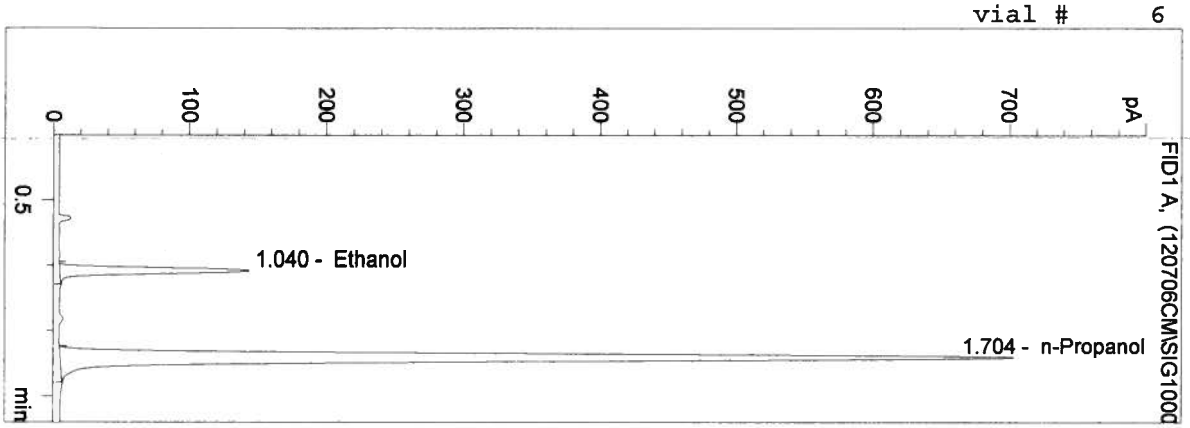
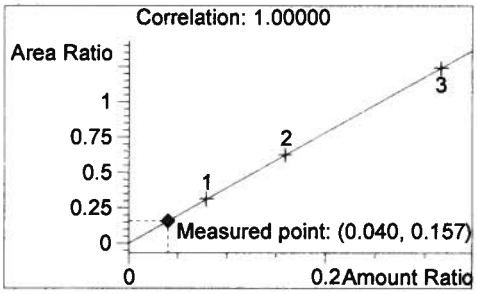
7/6/2012 12:07:04 PM
Instrument 1
DB-ALC1

0.04 CTRL - CM
Christie Mitchell-Mata

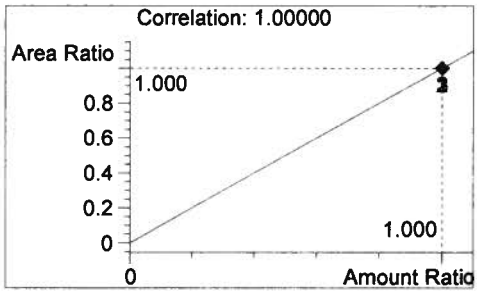
vial # 6



#	Compound	Area	RT
1	Ethanol	436	1.040
2	n-Propanol	2772	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12026

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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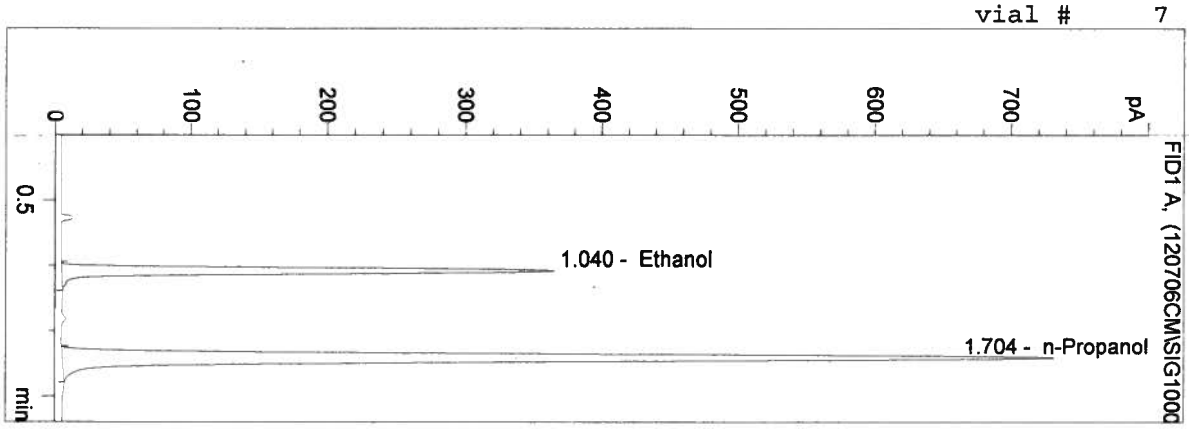
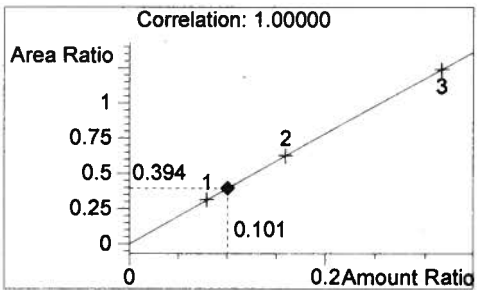
7/6/2012 12:10:08 PM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

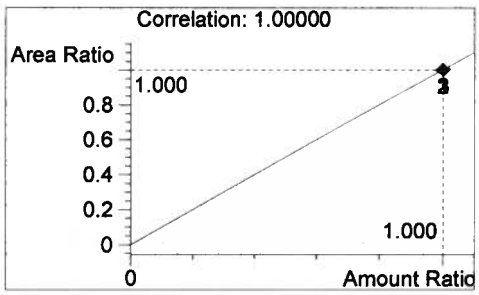
vial # 7



#	Compound	Area	RT
1	Ethanol	1136	1.040
2	n-Propanol	2881	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12026

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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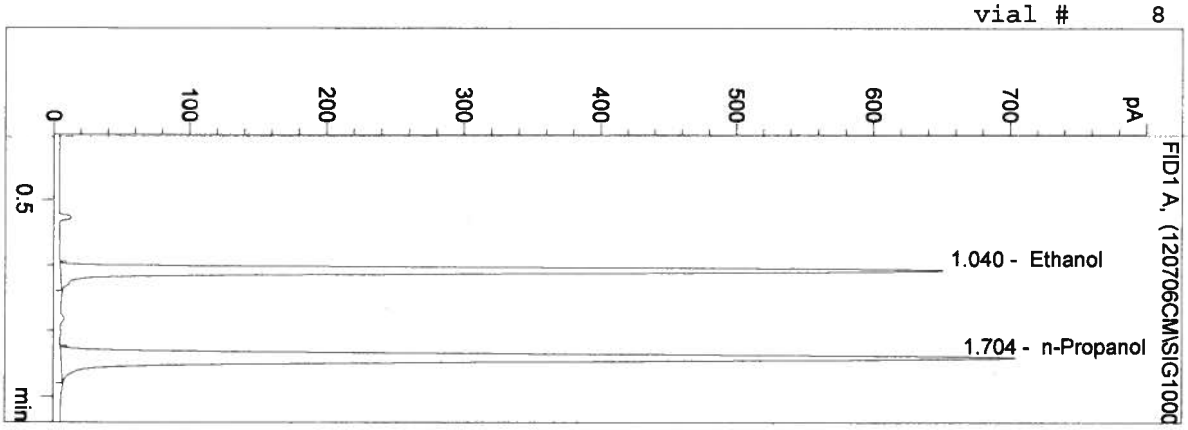
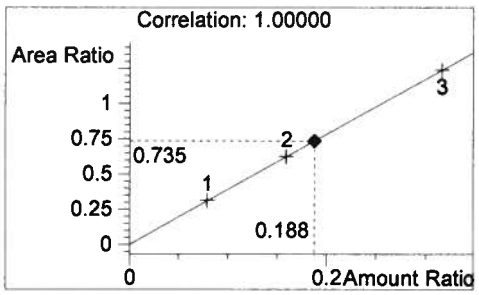
7/6/2012 12:13:13 PM
Instrument 1
DB-ALC1

0.20 CTRL - CM
Christie Mitchell-Mata

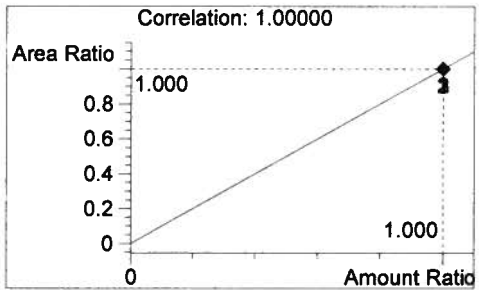
vial # 8



#	Compound	Area	RT
1	Ethanol	2040	1.040
2	n-Propanol	2775	1.704
Tot			



Ethanol 0.188 g/100 mL



n-Propanol 1.000 g/100 mL

12026

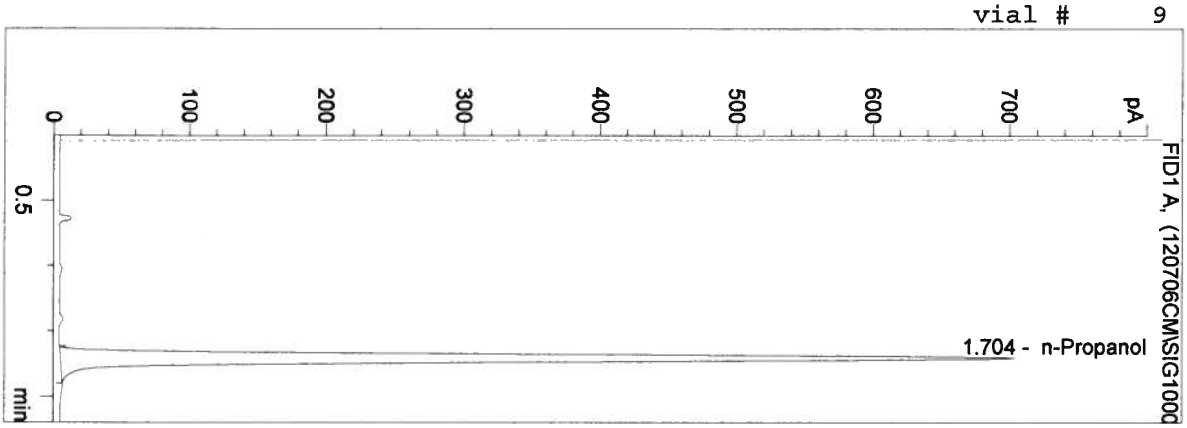
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

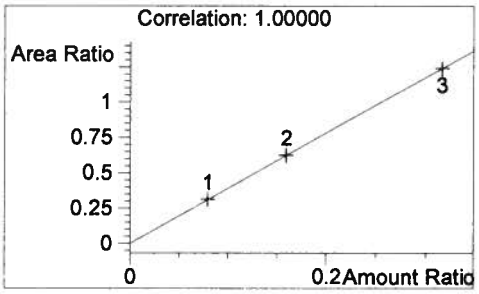
C:\HPCHEM\1\METHODS\SIMALC1.M
7/6/2012 12:16:18 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

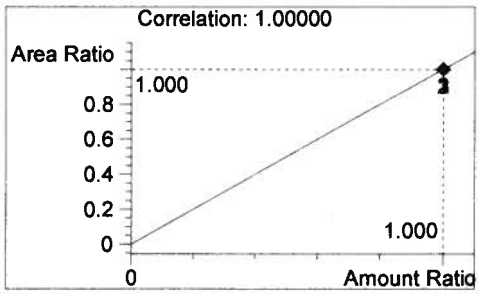
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2777	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12026

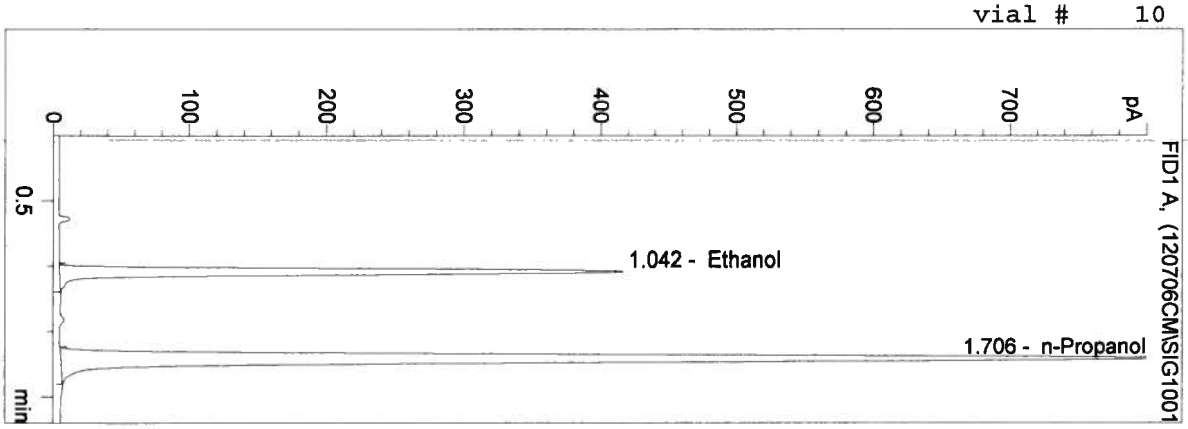
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

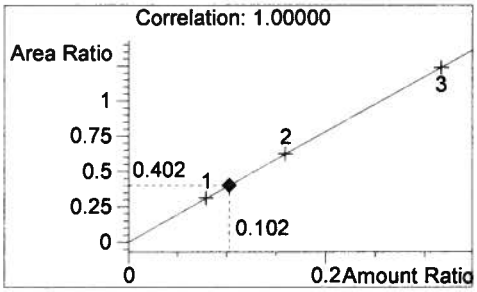
C:\HPCHEM\1\METHODS\SIMALC1.M
7/6/2012 12:19:23 PM
Instrument 1
DB-ALC1

12026 #1
Christie Mitchell-Mata

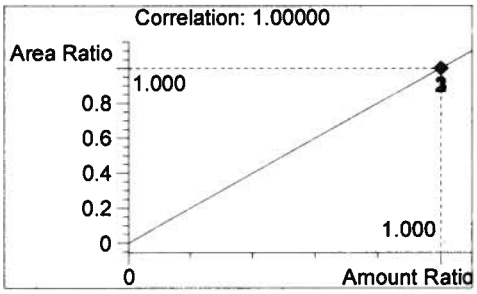
vial # 10



#	Compound	Area	RT
1	Ethanol	1294	1.042
2	n-Propanol	3220	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

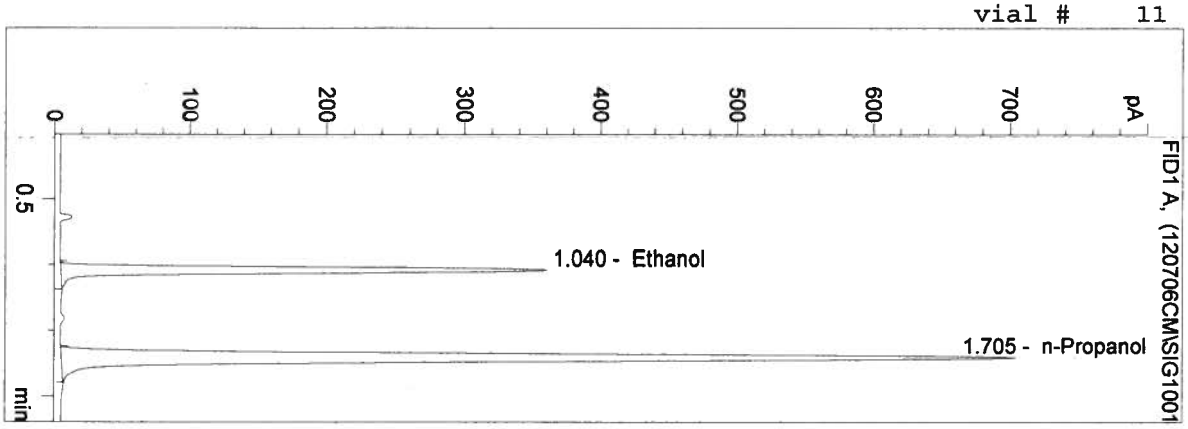
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

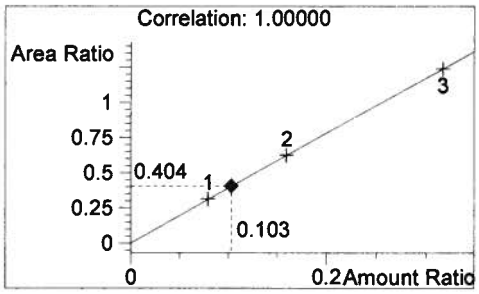
C:\HPCHEM\1\METHODS\SIMALC1.M
7/6/2012 12:22:27 PM
Instrument 1
DB-ALC1

12026 #2
Christie Mitchell-Mata

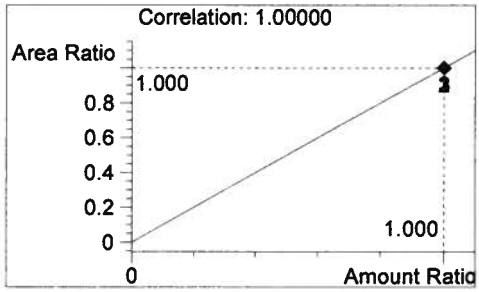
vial # 11



#	Compound	Area	RT
1	Ethanol	1125	1.040
2	n-Propanol	2786	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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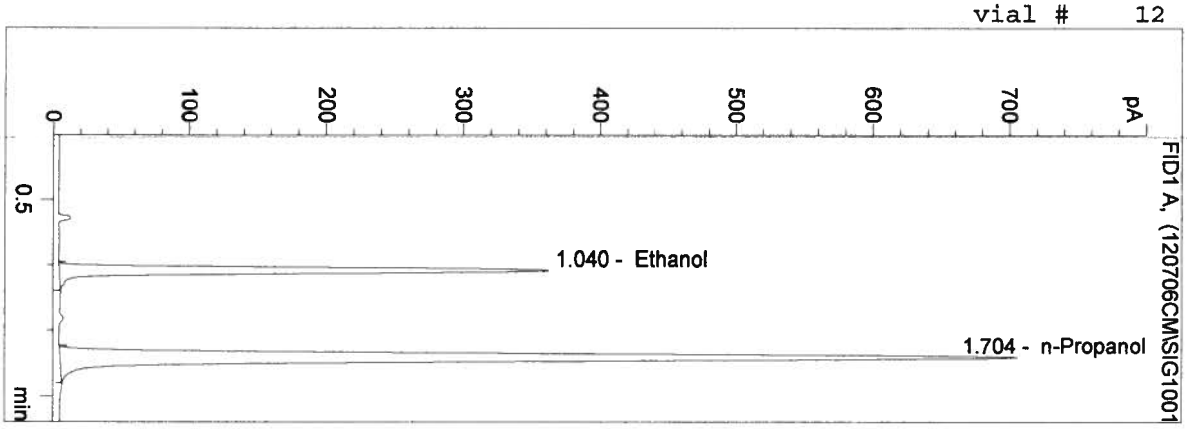
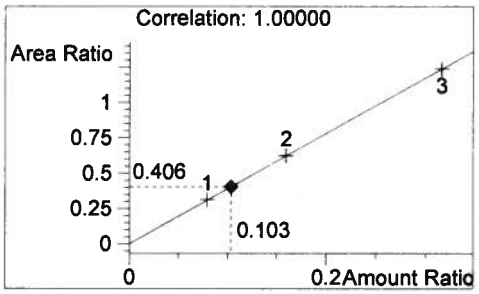
7/6/2012 12:25:32 PM
Instrument 1
DB-ALC1

12026 #3
Christie Mitchell-Mata

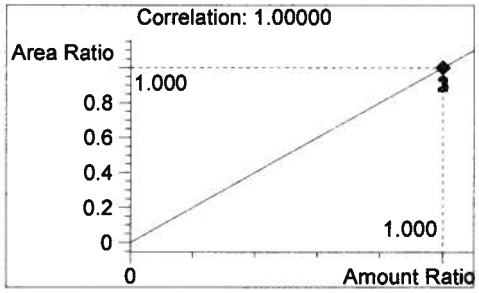
vial # 12



#	Compound	Area	RT
1	Ethanol	1129	1.040
2	n-Propanol	2784	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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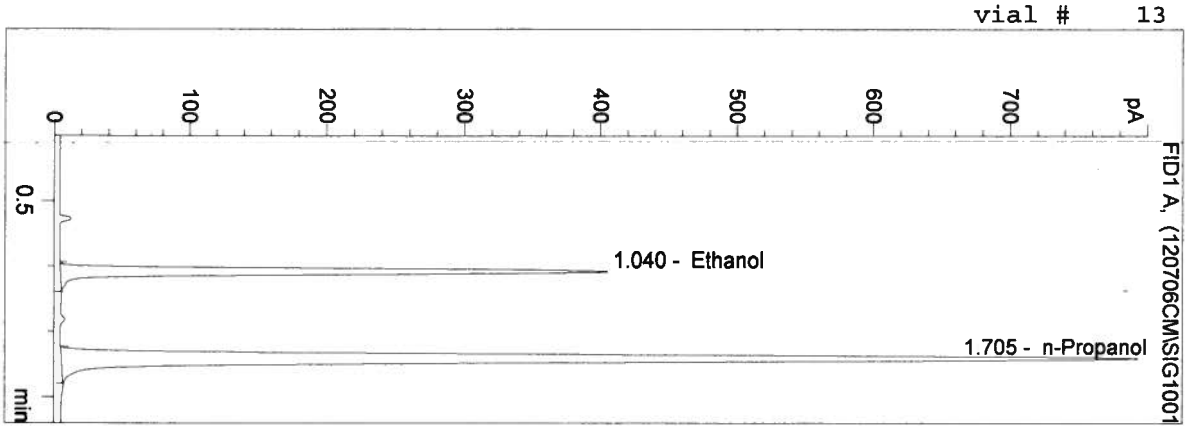
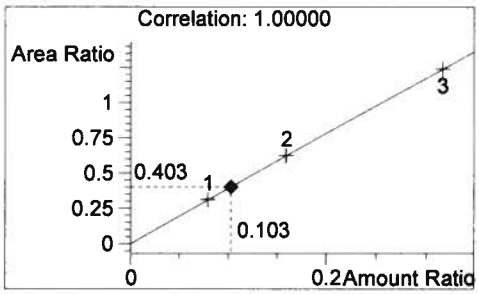
7/6/2012 12:28:37 PM
Instrument 1
DB-ALC1

12026 #4
Christie Mitchell-Mata

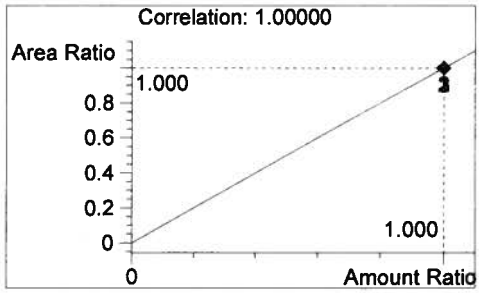
vial # 13



#	Compound	Area	RT
1	Ethanol	1260	1.040
2	n-Propanol	3124	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

CM

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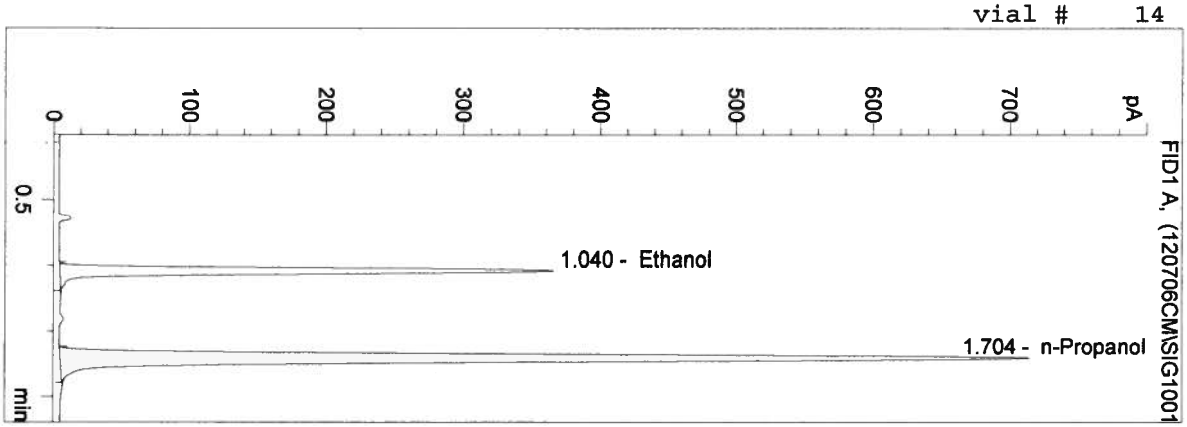
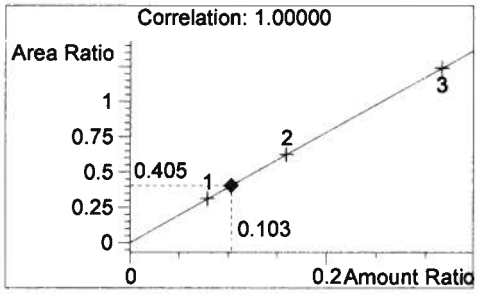
7/6/2012 12:31:41 PM
Instrument 1
DB-ALC1

12026 #5
Christie Mitchell-Mata

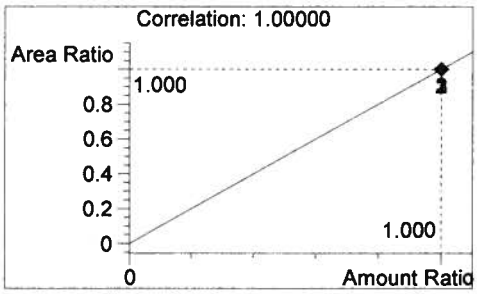
vial # 14



#	Compound	Area	RT
1	Ethanol	1136	1.040
2	n-Propanol	2807	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

CM

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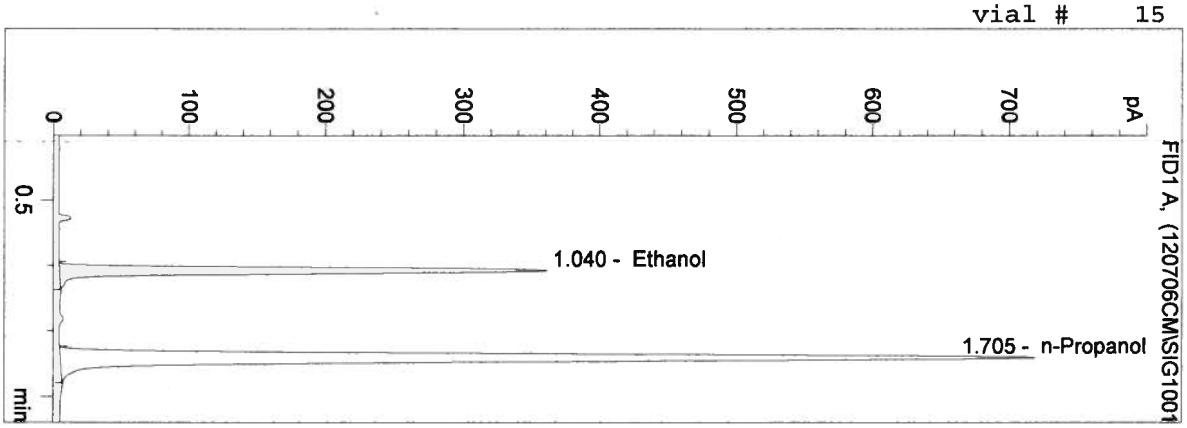
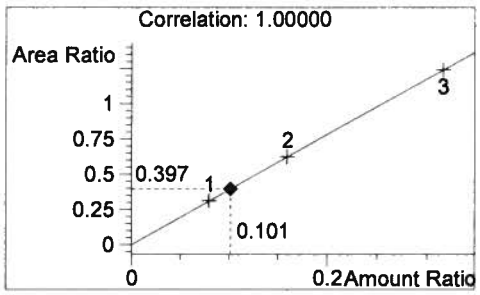
7/6/2012 12:34:46 PM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

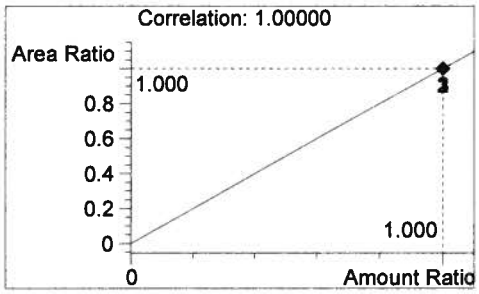
vial # 15



#	Compound	Area	RT
1	Ethanol	1127	1.040
2	n-Propanol	2841	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12026

CM

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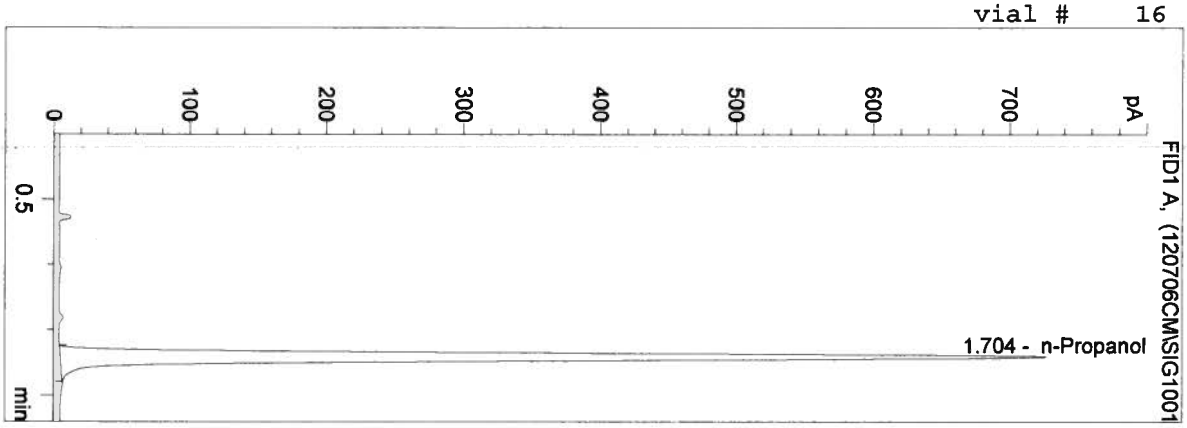
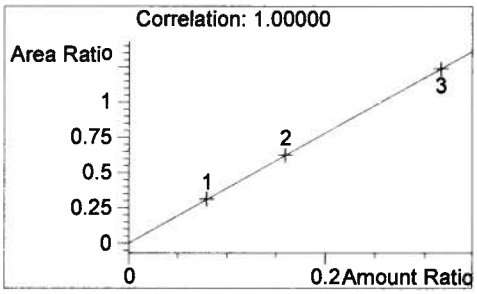
7/6/2012 12:37:51 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

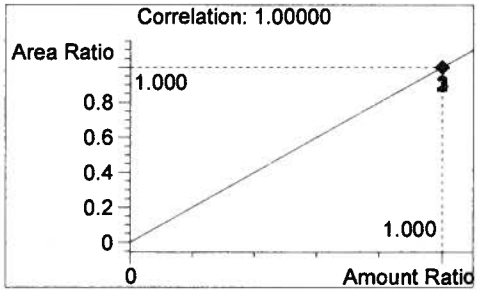
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2872	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12026

CM

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:	120709SS
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 # E0612-01 - exp 9/25/12
3	Vial 3	0.158 Calibrator - Lot # E0612-02 - exp 9/25/12
4	Vial 4	0.316 Calibrator - Lot # E0612-03 - exp 9/25/12
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

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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	12026 #1	SIMALC1	1	Sample		
11	Vial 11	12026 #2	SIMALC1	1	Sample		
12	Vial 12	12026 #3	SIMALC1	1	Sample		
13	Vial 13	12026 #4	SIMALC1	1	Sample		
14	Vial 14	12026 #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!

SMS

12026

Calibration Table

Calib. Data Modified : Monday, July 09, 2012 9:01:32 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	7.97000e-2	889.79022	8.95717e-5	1		Ethanol
		2	1.59870e-1	1805.51501	8.85454e-5			
		3	3.21590e-1	3848.79199	8.35561e-5			
1.706	1	1	1.00000	2813.71289	3.55402e-4	I1		n-Propanol
		2	1.00000	2897.70020	3.45101e-4			
		3	1.00000	3060.70215	3.26722e-4			

Peak Sum Table

No Entries in table

SJS 12026

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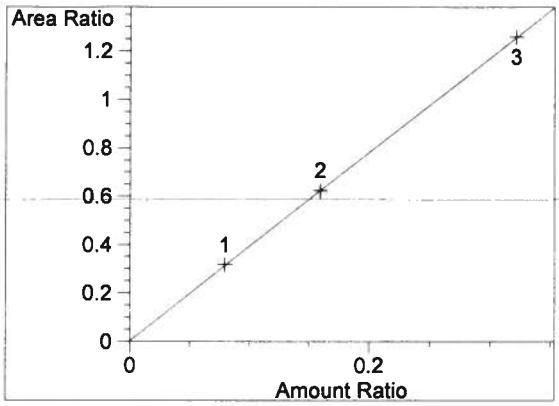
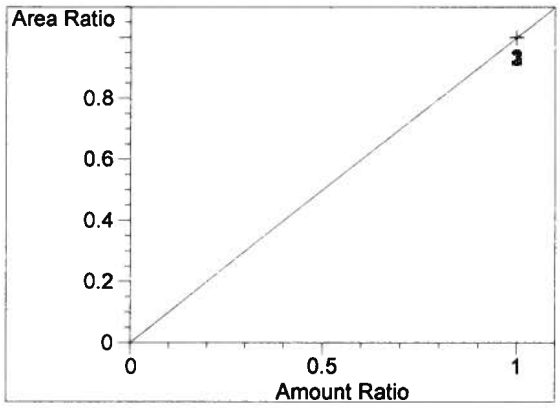
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00330
Formula: y = mx + b
m: 3.90460
b: 1.42526e-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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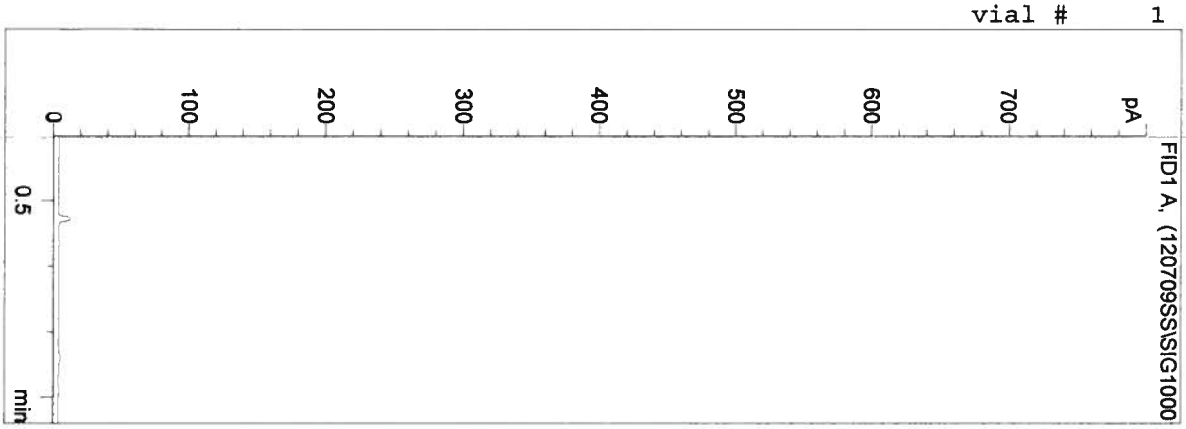
SWS 12026

WASHINGTON STATE TOXICOLOGY LABORATORY

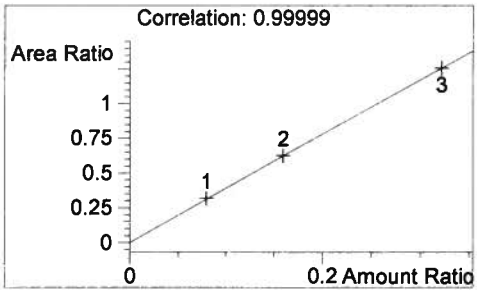
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 8:50:05 AM
Instrument 1
DB-ALC1

BLANK-SS
Sarah Swenson

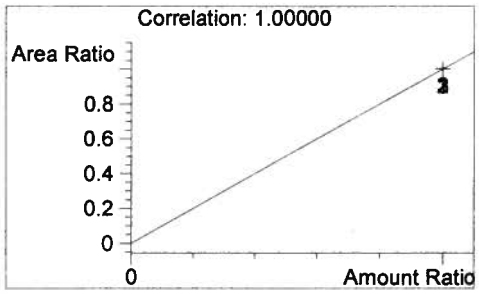
vial # 1



#	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

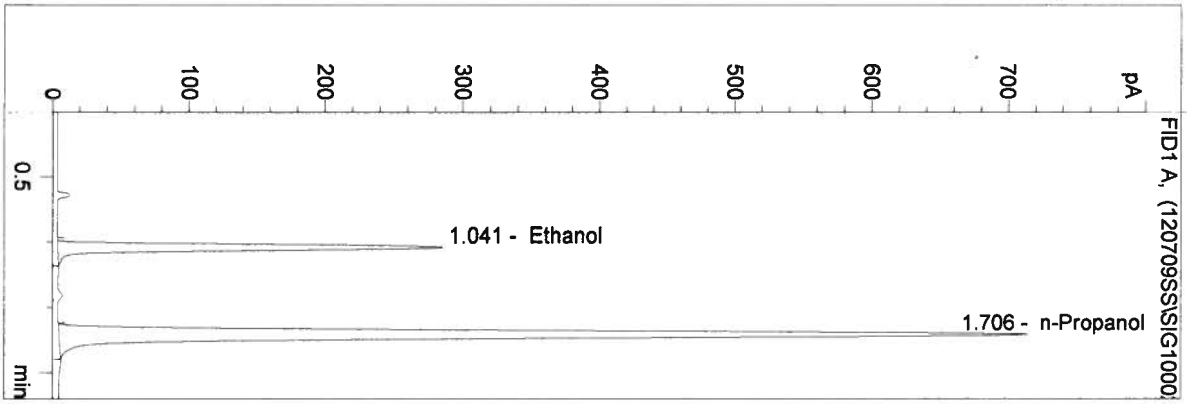
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

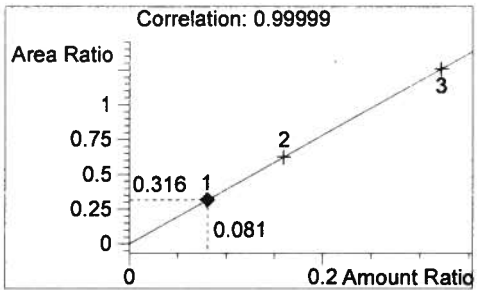
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 8:53:10 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

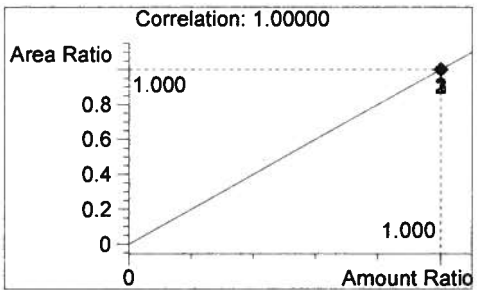
vial # 2



#	Compound	Area	RT
1	Ethanol	890	1.041
2	n-Propanol	2814	1.706
Tot			



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

12026

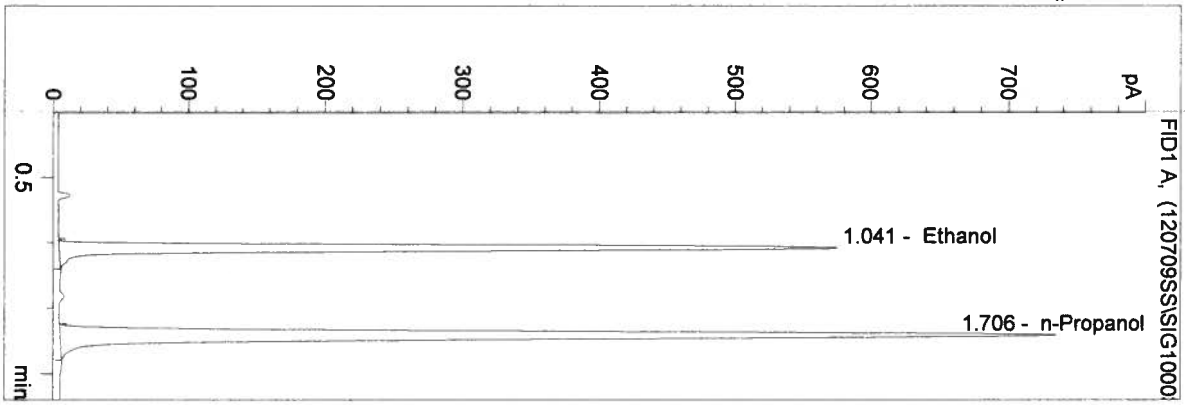
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

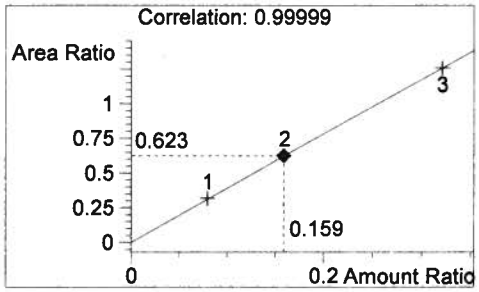
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 8:56:14 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

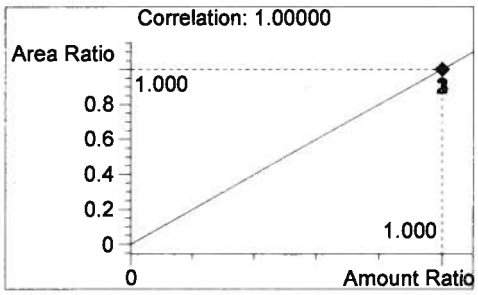
vial # 3



#	Compound	Area	RT
1	Ethanol	1806	1.041
2	n-Propanol	2898	1.706
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

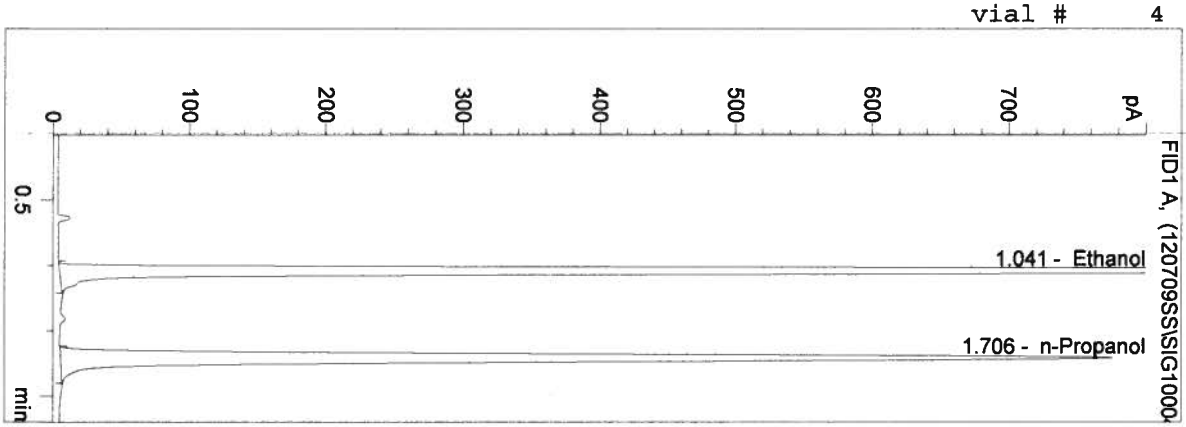
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

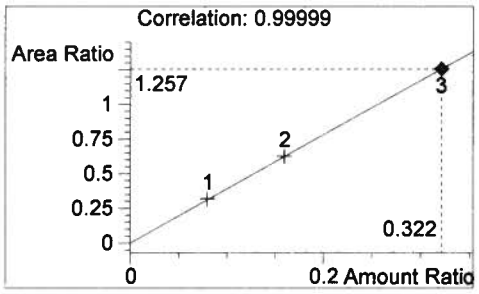
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 8:59:19 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

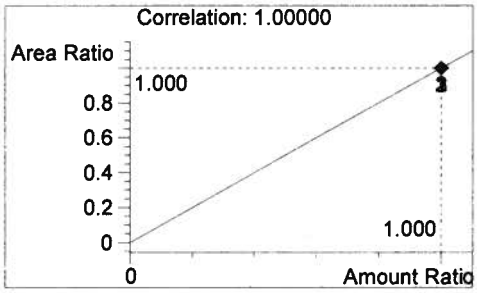
vial # 4



#	Compound	Area	RT
1	Ethanol	3849	1.041
2	n-Propanol	3061	1.706
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

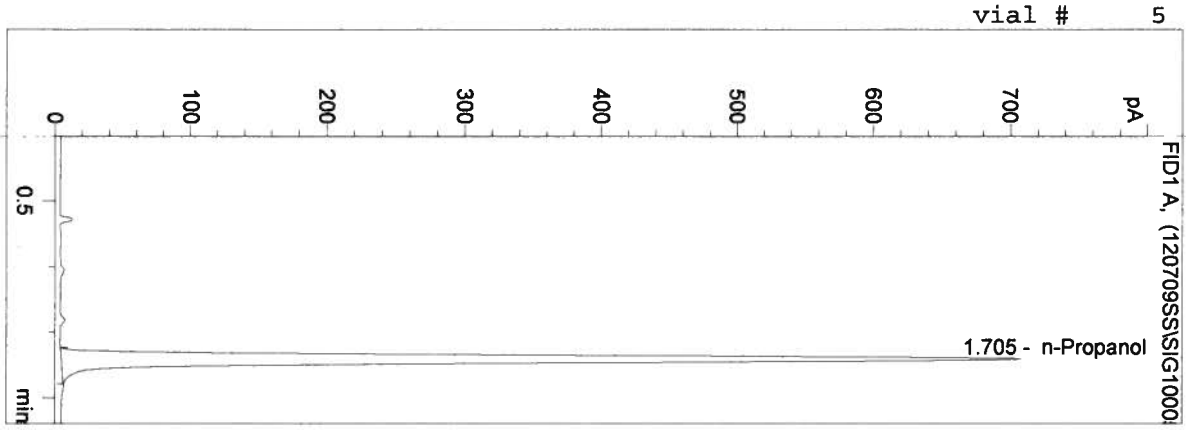
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

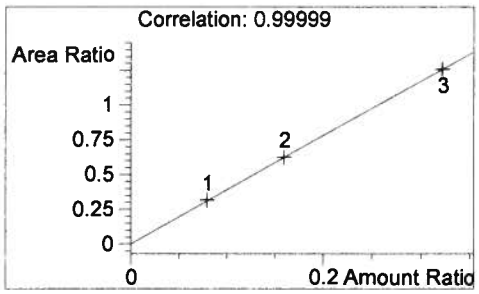
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:02:24 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

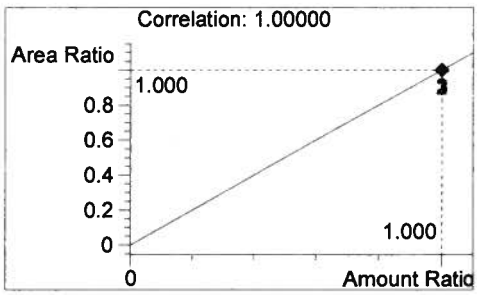
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2793	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

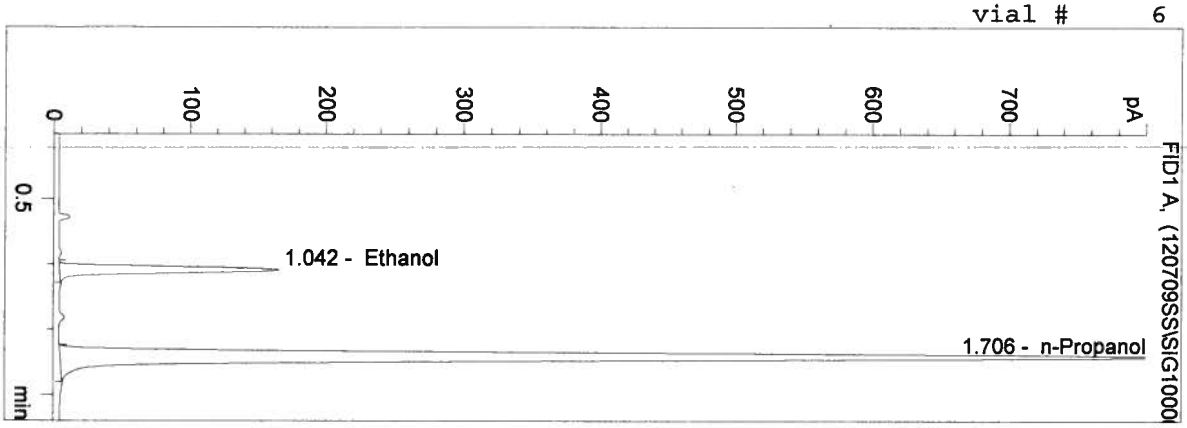
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

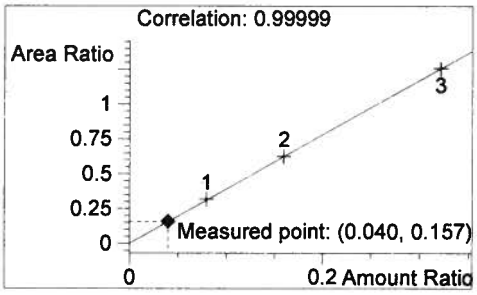
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:05:29 AM
Instrument 1
DB-ALC1

0.04 CTRL-SS
Sarah Swenson

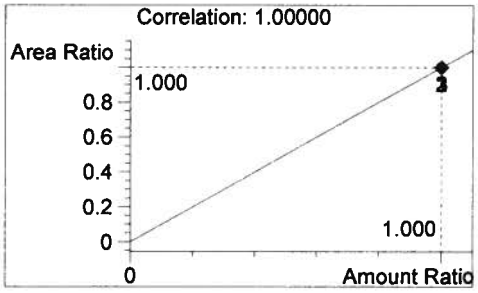
vial # 6



#	Compound	Area	RT
1	Ethanol	504	1.042
2	n-Propanol	3222	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12026

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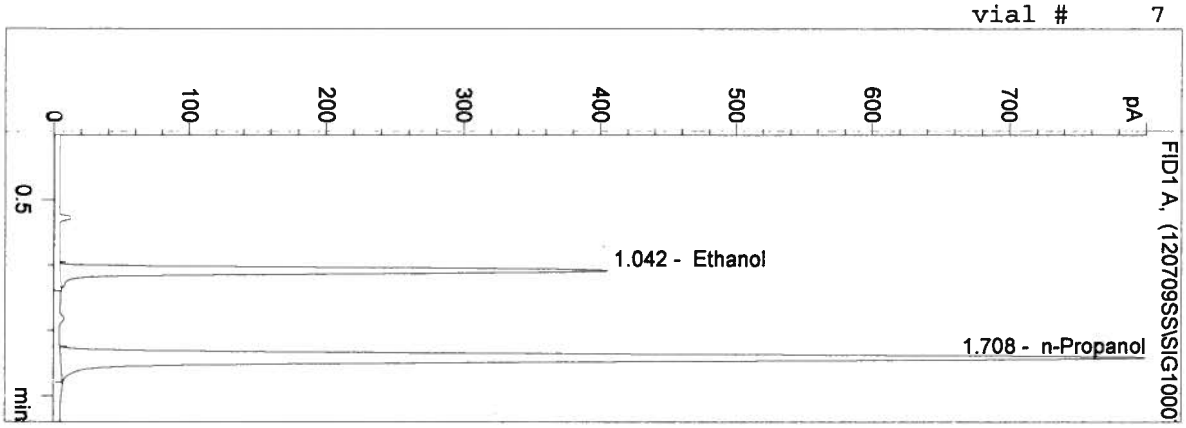
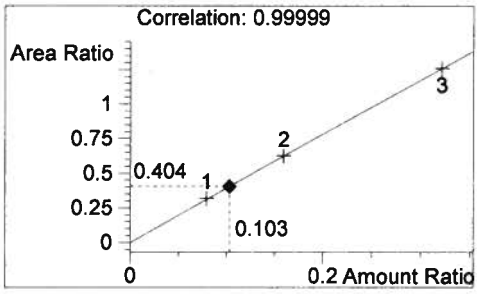
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:08:33 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

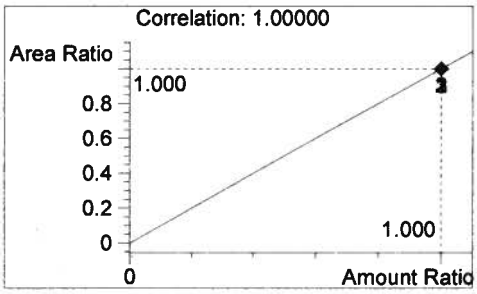
vial # 7



#	Compound	Area	RT
1	Ethanol	1281	1.042
2	n-Propanol	3167	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

12026

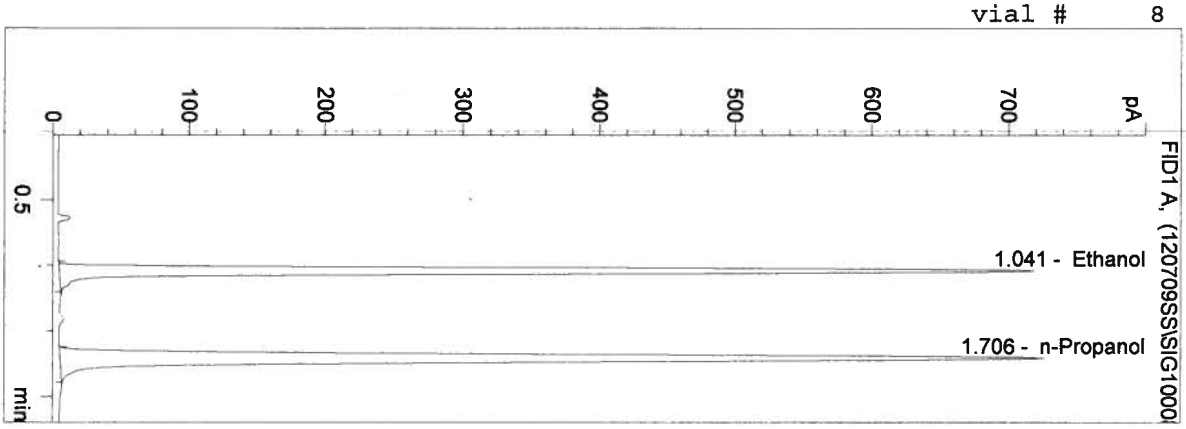
SNS

WASHINGTON STATE TOXICOLOGY LABORATORY

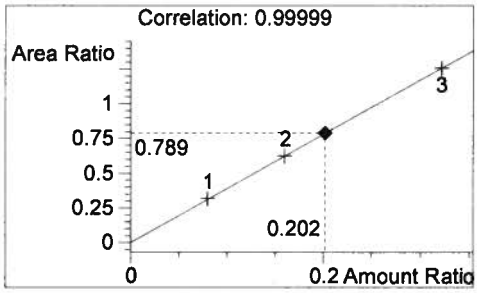
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:11:38 AM
Instrument 1
DB-ALC1

0.20 CTRL-SS
Sarah Swenson

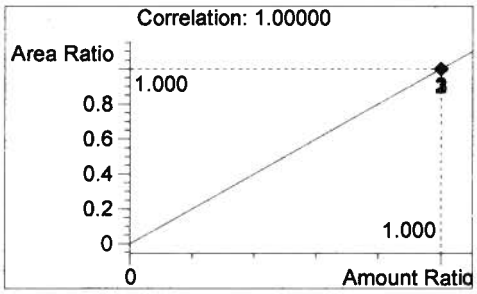
vial # 8



#	Compound	Area	RT
1	Ethanol	2260	1.041
2	n-Propanol	2864	1.706
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

12026

SJS

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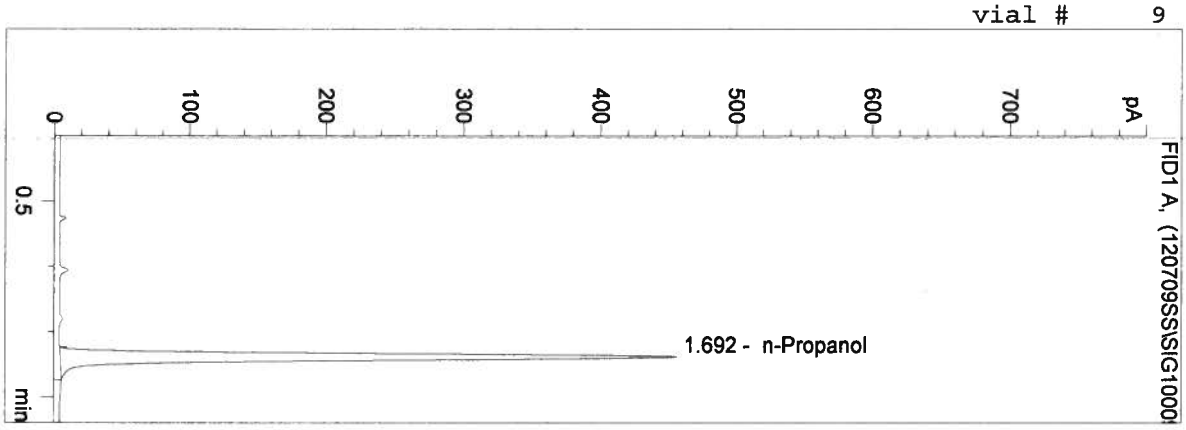
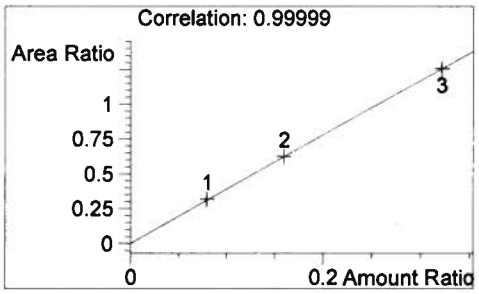
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:14:43 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

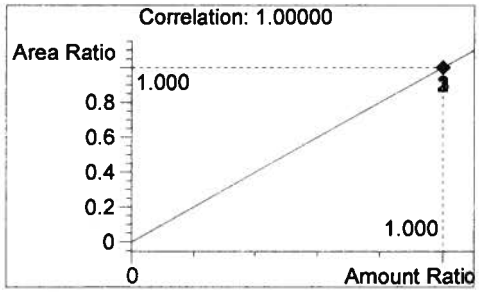
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1606	1.692
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12026

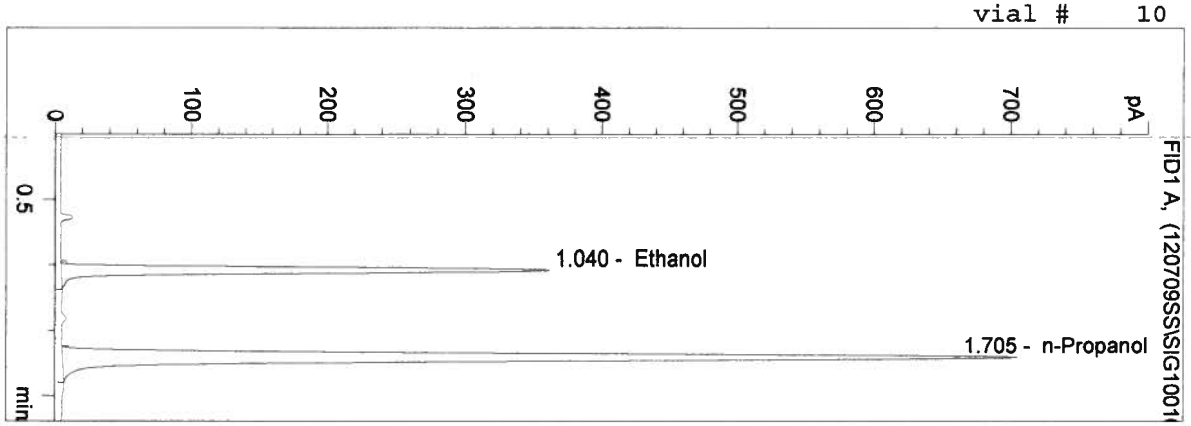
SWS

WASHINGTON STATE TOXICOLOGY LABORATORY

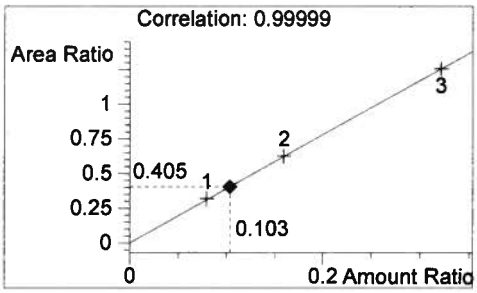
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:17:48 AM
Instrument 1
DB-ALC1

12026 #1
Sarah Swenson

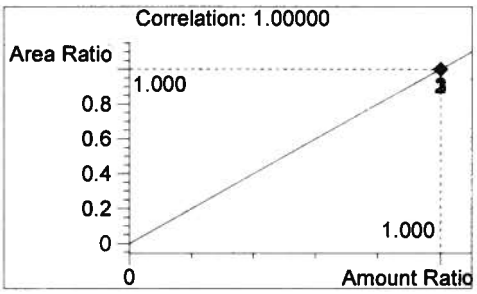
vial # 10



#	Compound	Area	RT
1	Ethanol	1126	1.040
2	n-Propanol	2779	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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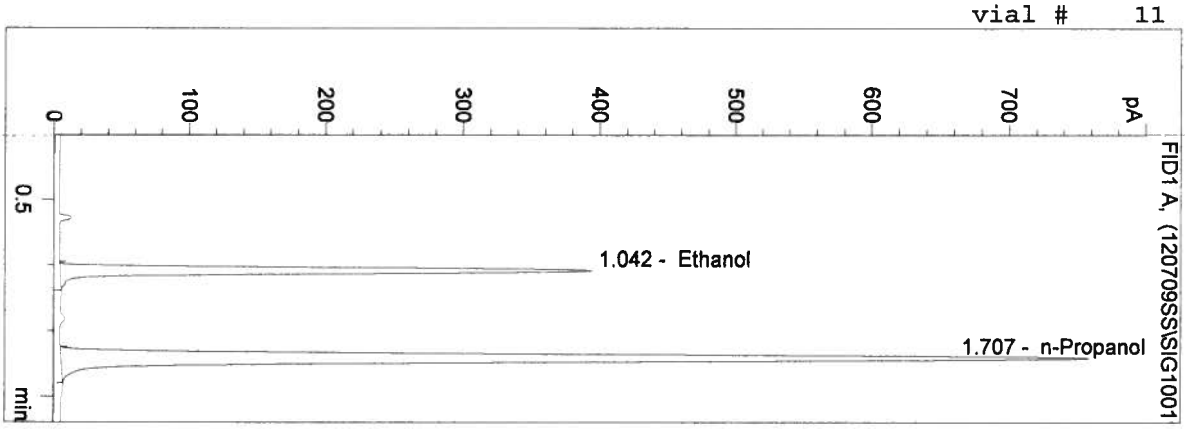
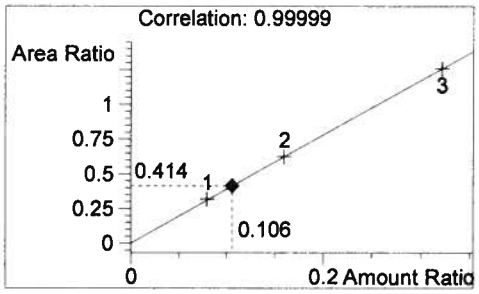
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:20:52 AM
Instrument 1
DB-ALC1

12026 #2
Sarah Swenson

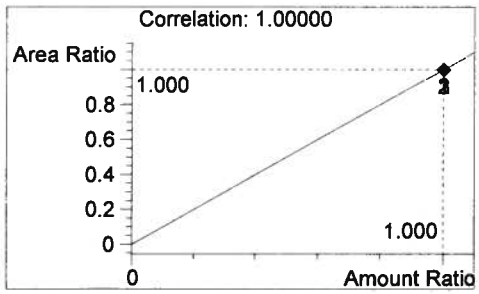
vial # 11



#	Compound	Area	RT
1	Ethanol	1243	1.042
2	n-Propanol	3004	1.707
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

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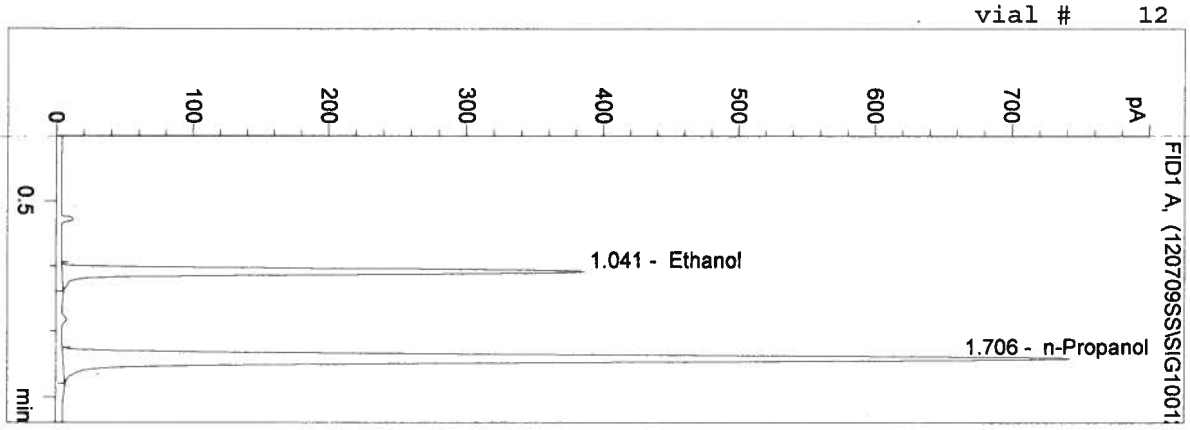
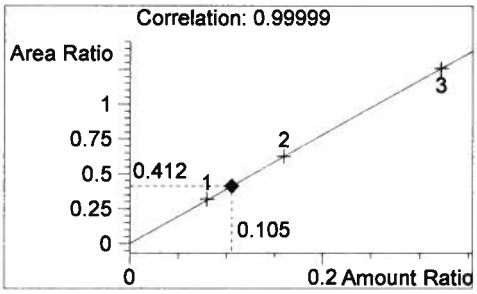
7/9/2012 9:23:57 AM
Instrument 1
DB-ALC1

12026 #3
Sarah Swenson

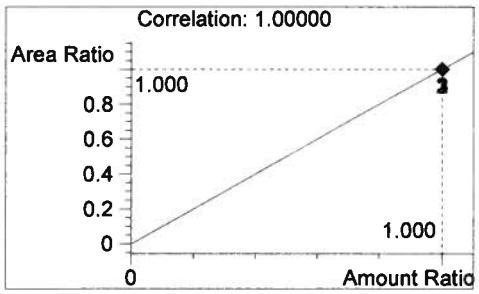
vial # 12



#	Compound	Area	RT
1	Ethanol	1211	1.041
2	n-Propanol	2936	1.706
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

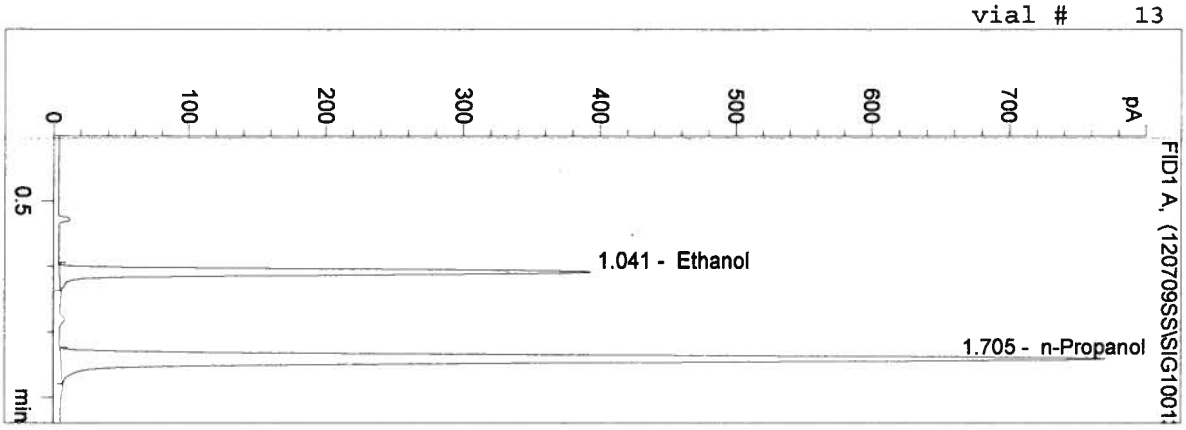
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

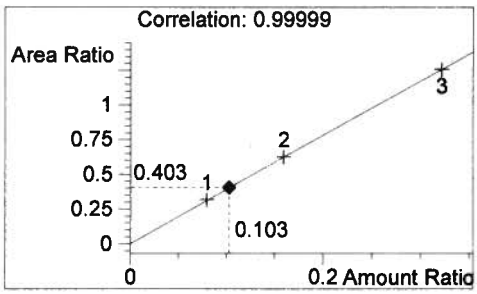
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:27:02 AM
Instrument 1
DB-ALC1

12026 #4
Sarah Swenson

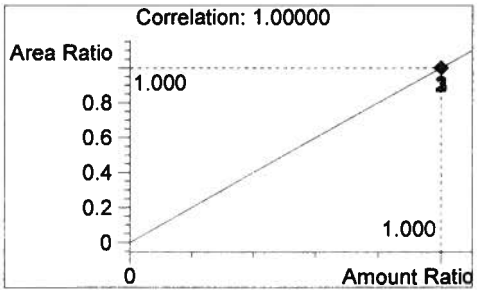
vial # 13



#	Compound	Area	RT
1	Ethanol	1223	1.041
2	n-Propanol	3032	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

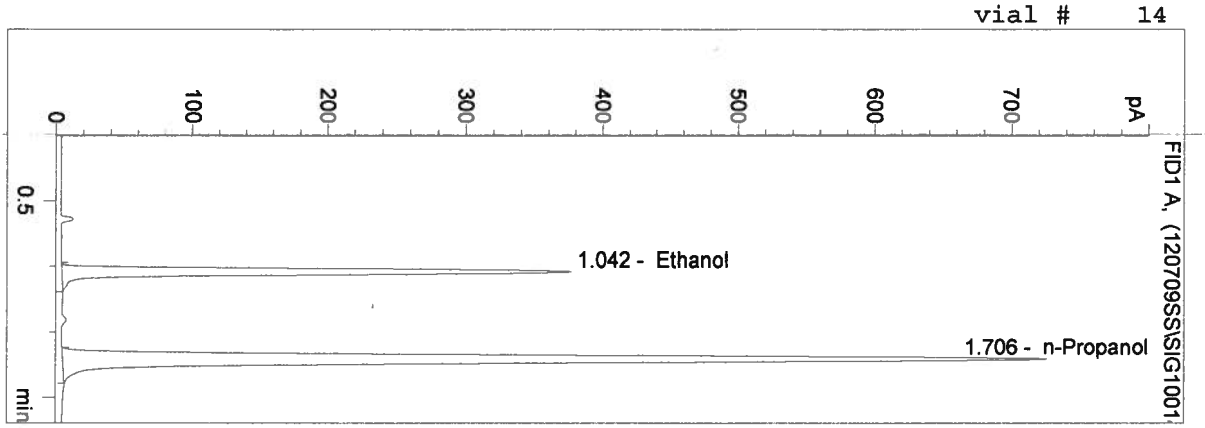
gs

WASHINGTON STATE TOXICOLOGY LABORATORY

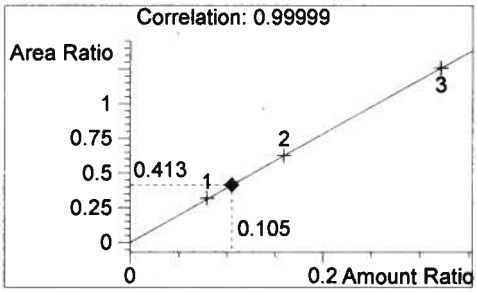
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:30:07 AM
Instrument 1
DB-ALC1

12026 #5
Sarah Swenson

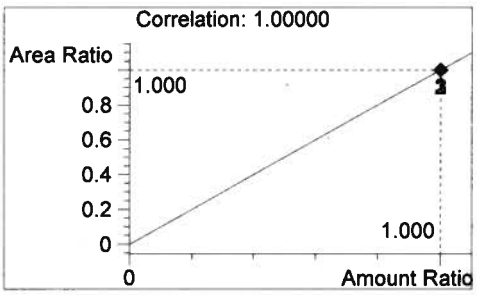
vial # 14



#	Compound	Area	RT
1	Ethanol	1184	1.042
2	n-Propanol	2867	1.706
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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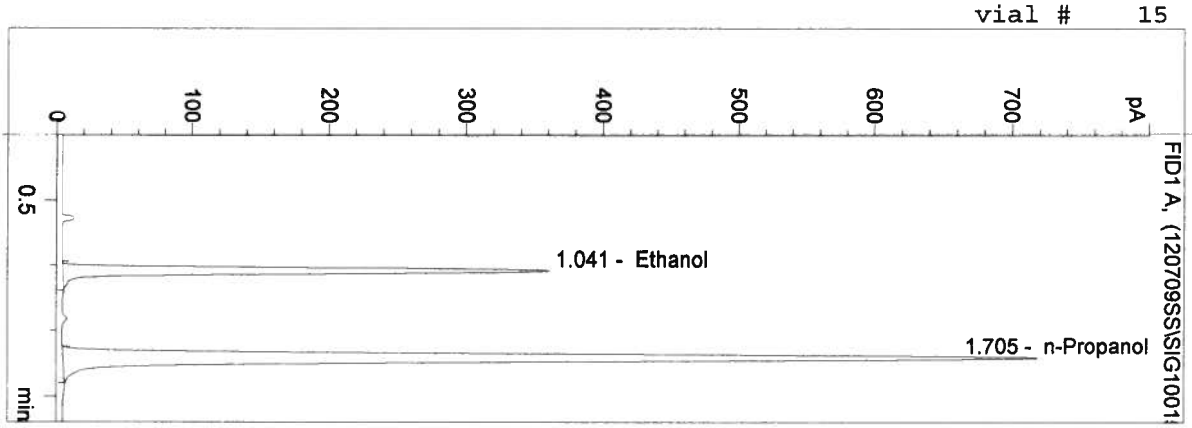
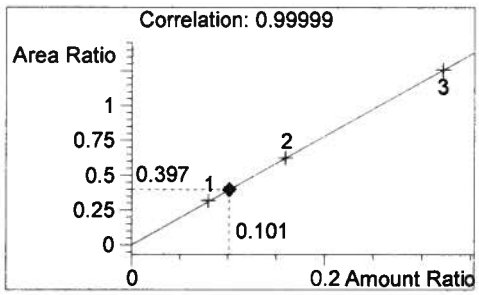
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:33:11 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

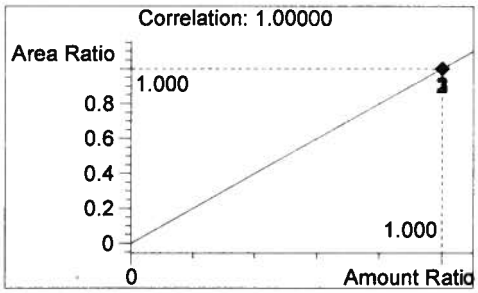
vial # 15



#	Compound	Area	RT
1	Ethanol	1128	1.041
2	n-Propanol	2839	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12026

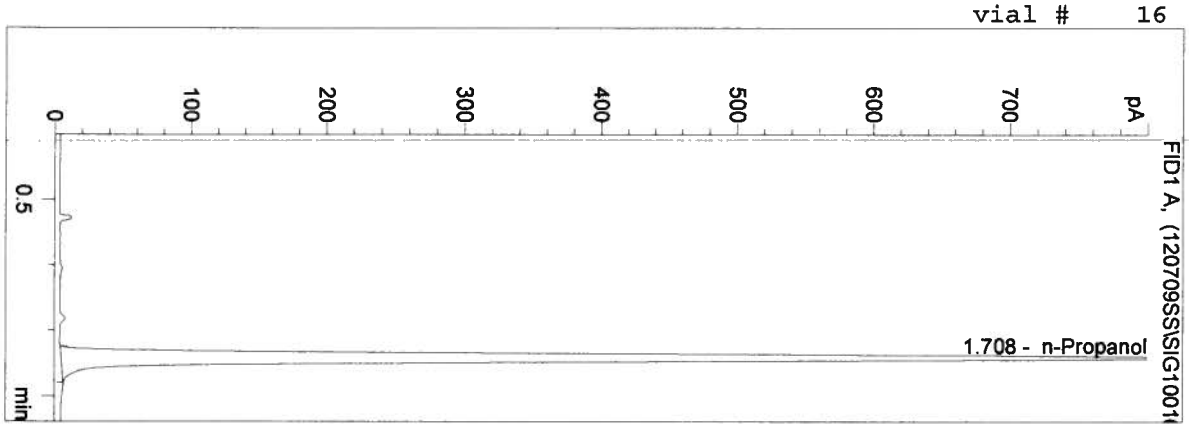
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

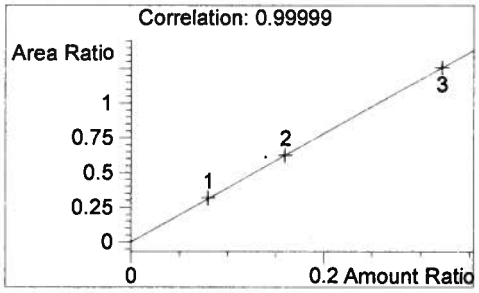
C:\HPCHEM\1\METHODS\SIMALC1.M
7/9/2012 9:36:16 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

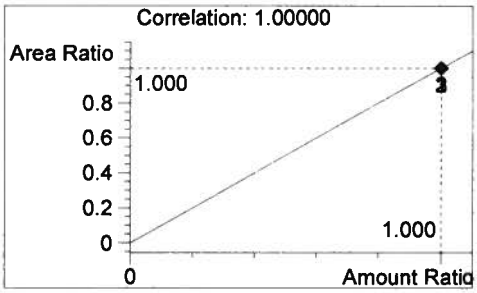
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3324	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12026

SMS

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

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:	120709JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

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

Sequence Table (Front Injector):

Sample Information Part:

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

12026

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	12026-1	SIMALC1	1	Sample		
11	Vial 11	12026-2	SIMALC1	1	Sample		
12	Vial 12	12026-3	SIMALC1	1	Sample		
13	Vial 13	12026-4	SIMALC1	1	Sample		
14	Vial 14	12026-5	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!

12026

Calibration Table

Calib. Data Modified : Monday, July 09, 2012 11:48:06 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	861.84210	9.24763e-5	1		Ethanol
		2	1.59870e-1	1720.62012	9.29142e-5			
		3	3.21590e-1	3414.26245	9.41902e-5			
1.705	1	1	1.00000	2752.97485	3.63243e-4	I1		n-Propanol
		2	1.00000	2751.04224	3.63499e-4			
		3	1.00000	2752.91016	3.63252e-4			

Peak Sum Table

No Entries in table

12026

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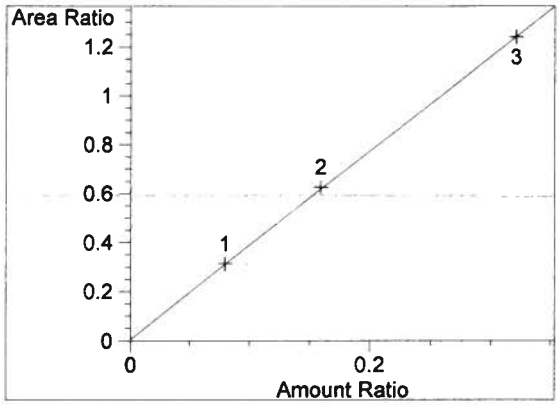
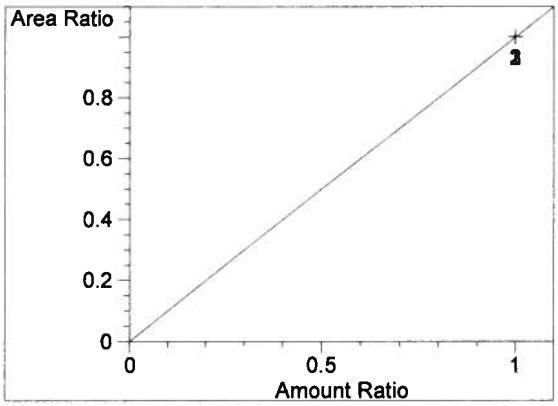
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00537
Formula: y = mx + b
m: 3.85357
b: 4.06798e-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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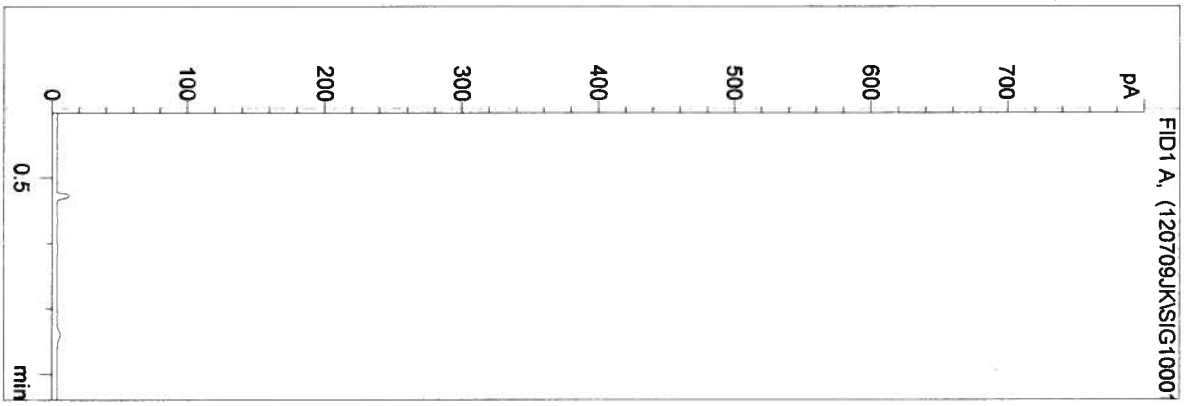
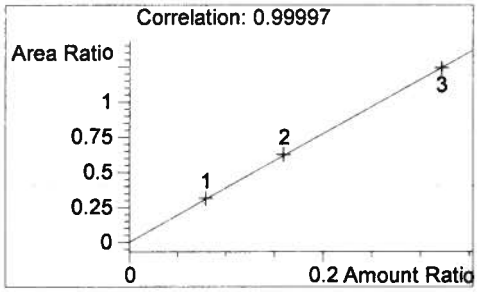
7/9/2012 11:36:38 AM
Instrument 1
DB-ALC1

BLANK
Justin Knoy

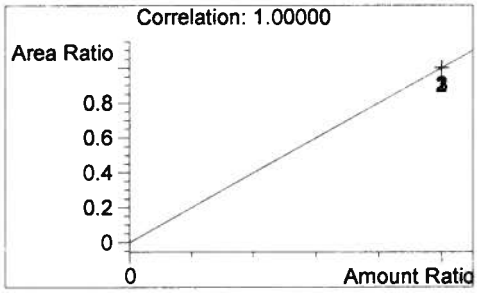
vial # 1



#	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

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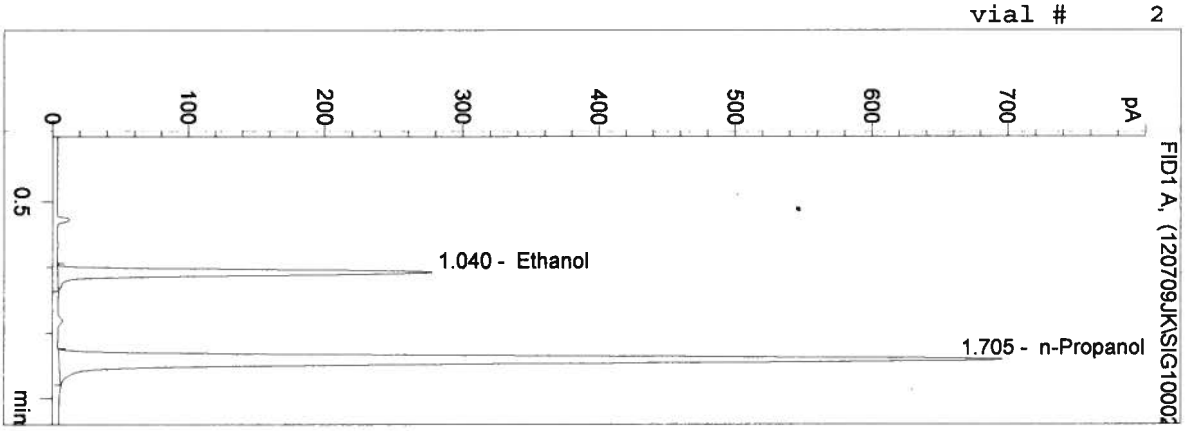
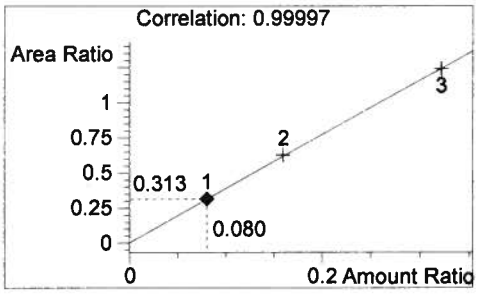
7/9/2012 11:39:43 AM
Instrument 1
DB-ALC1

CAL1 0.079
Justin Knoy

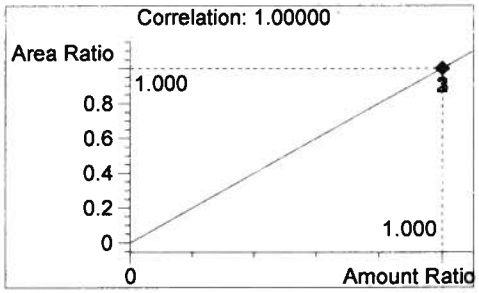
vial # 2



#	Compound	Area	RT
1	Ethanol	862	1.040
2	n-Propanol	2753	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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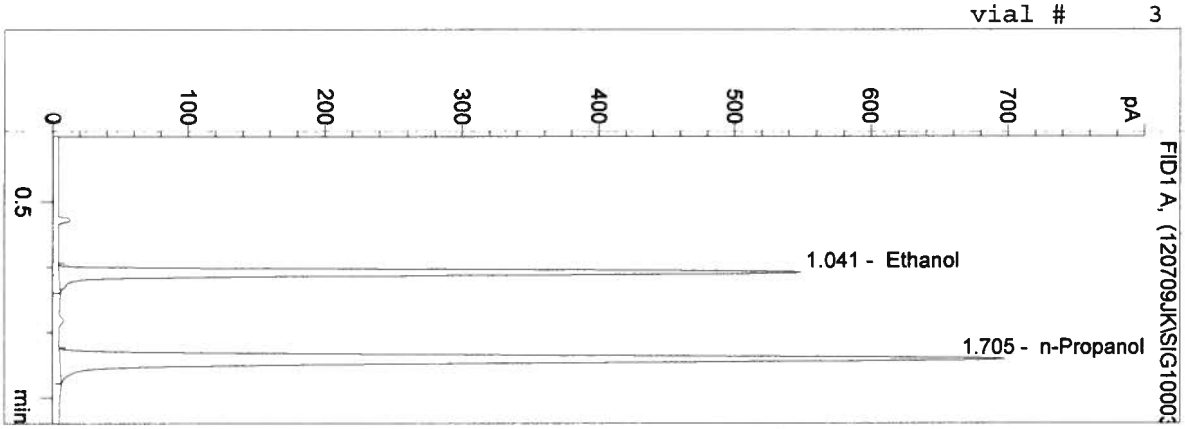
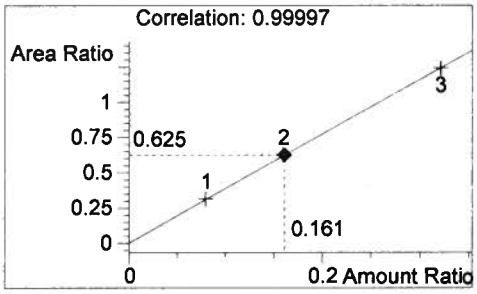
Instrument 1
DB-ALC1

CAL2 0.158
Justin Knoy

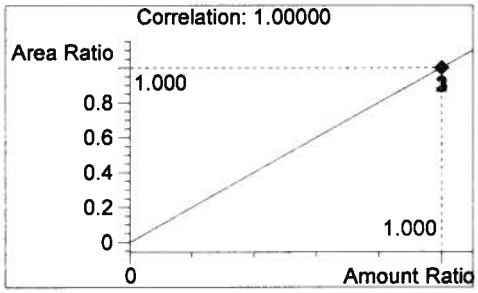
vial # 3



#	Compound	Area	RT
1	Ethanol	1721	1.041
2	n-Propanol	2751	1.705
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

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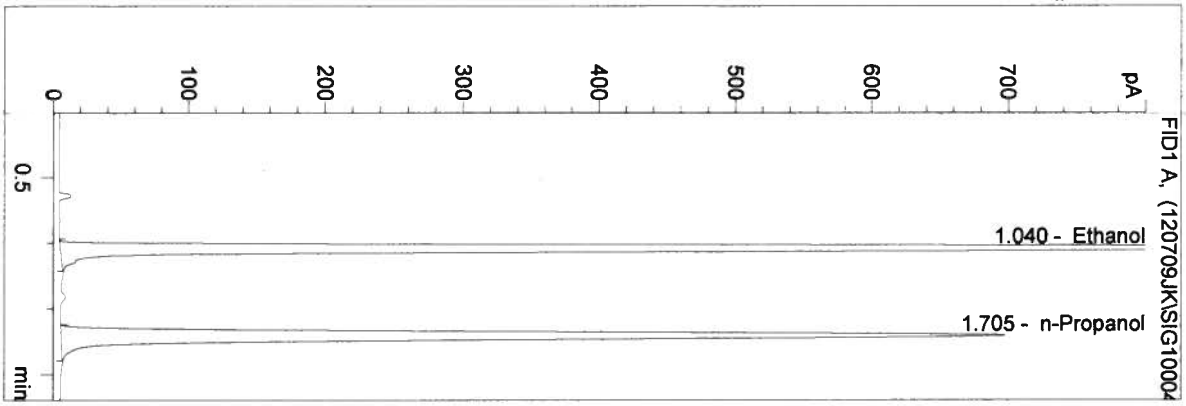
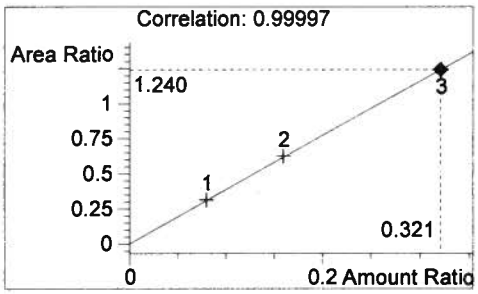
7/9/2012 11:45:53 AM
Instrument 1
DB-ALC1

CAL3 0.316
Justin Knoy

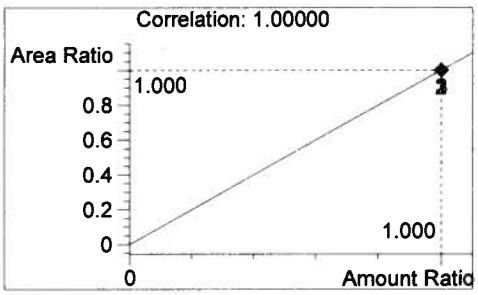
vial # 4



#	Compound	Area	RT
1	Ethanol	3414	1.040
2	n-Propanol	2753	1.705
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

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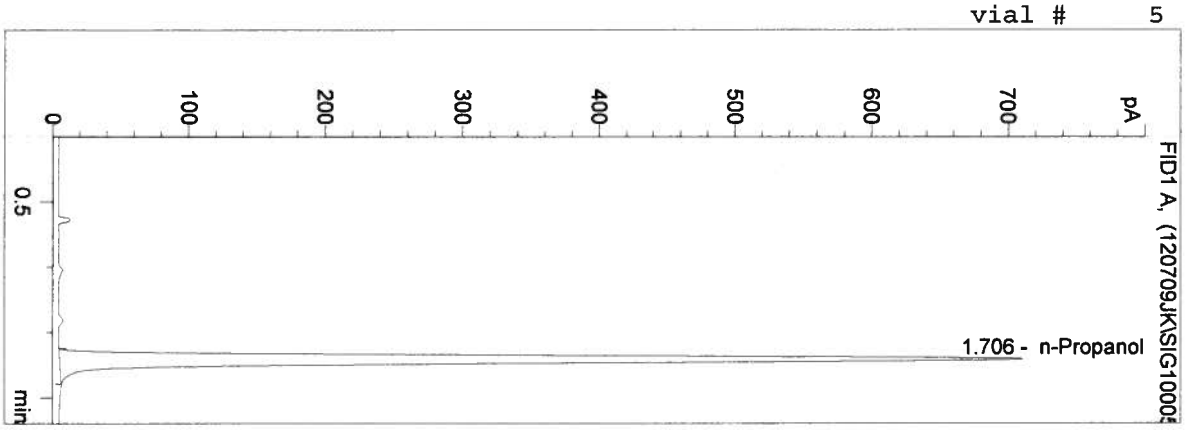
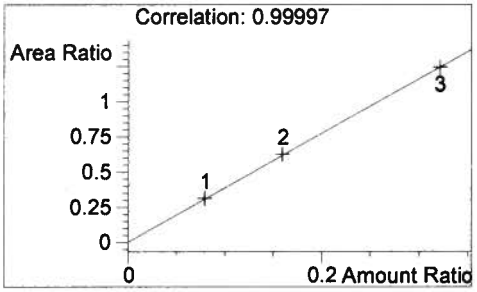
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

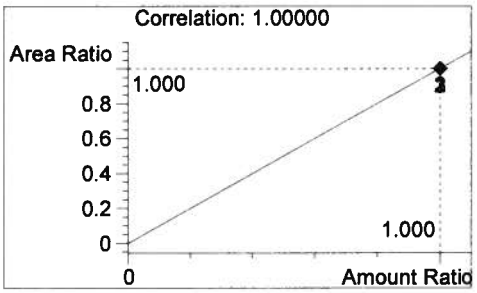
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2809	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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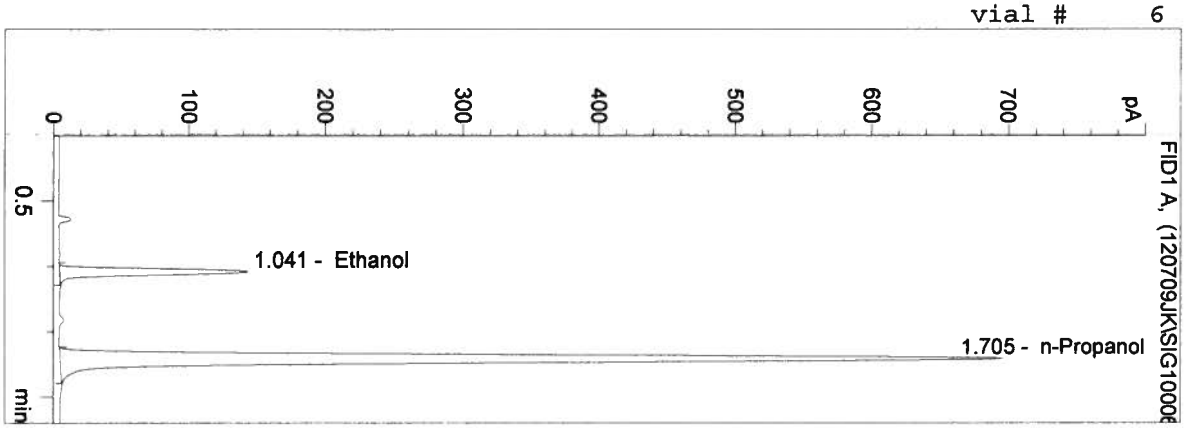
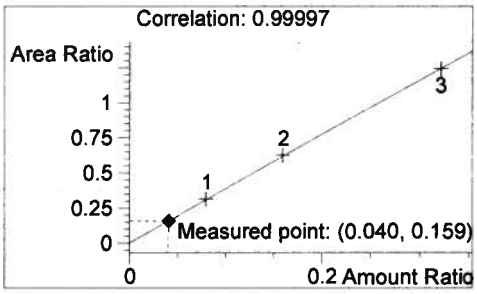
0.04 CTRL JK
Justin Knoy

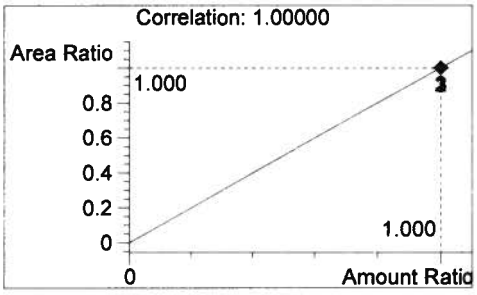
vial # 6



#	Compound	Area	RT
1	Ethanol	436	1.041
2	n-Propanol	2743	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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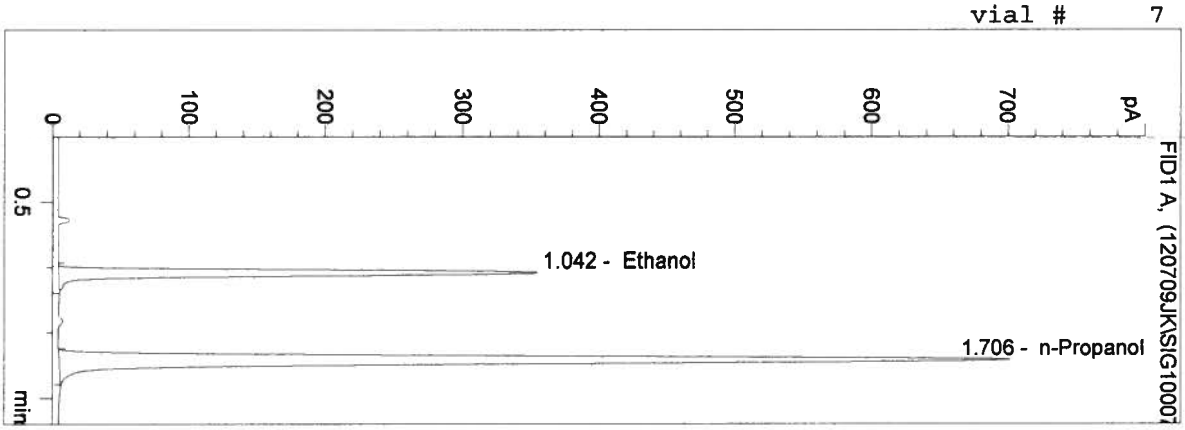
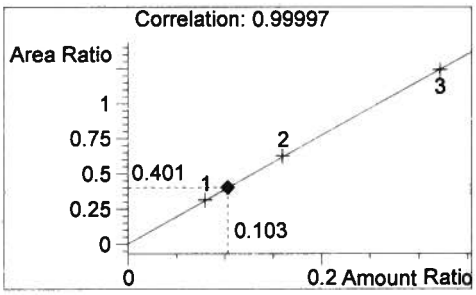
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

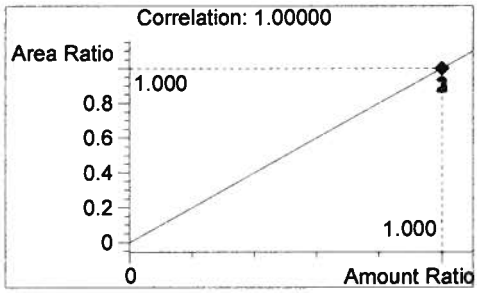
vial # 7



#	Compound	Area	RT
1	Ethanol	1113	1.042
2	n-Propanol	2773	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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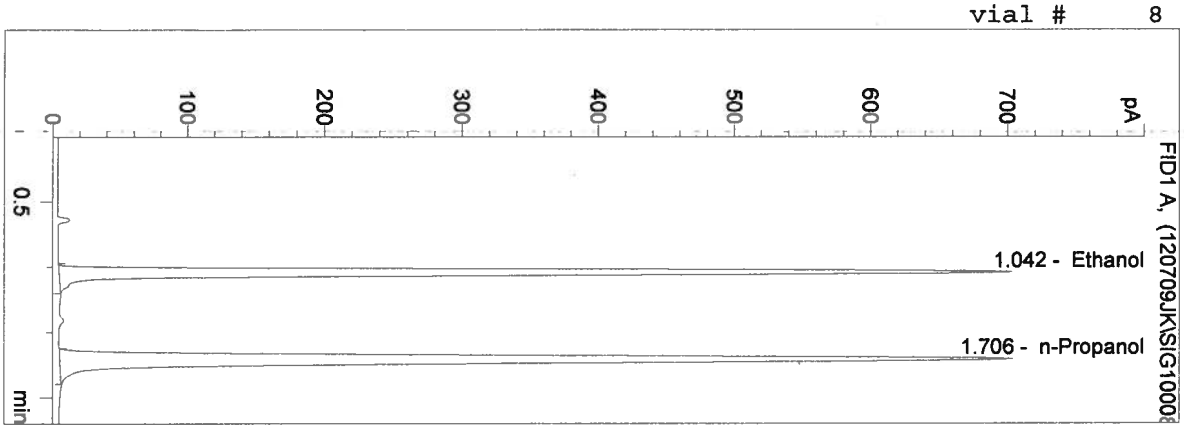
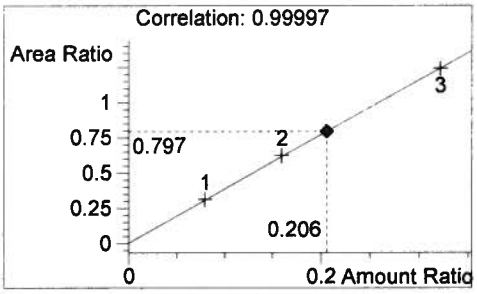
Instrument 1
DB-ALC1

0.20 CTRL JK
Justin Knoy

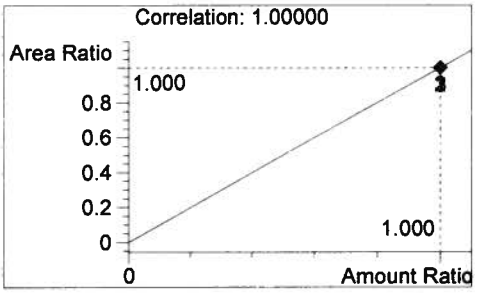
vial # 8



#	Compound	Area	RT
1	Ethanol	2212	1.042
2	n-Propanol	2777	1.706
Tot			



Ethanol 0.206 g/100 mL



n-Propanol 1.000 g/100 mL

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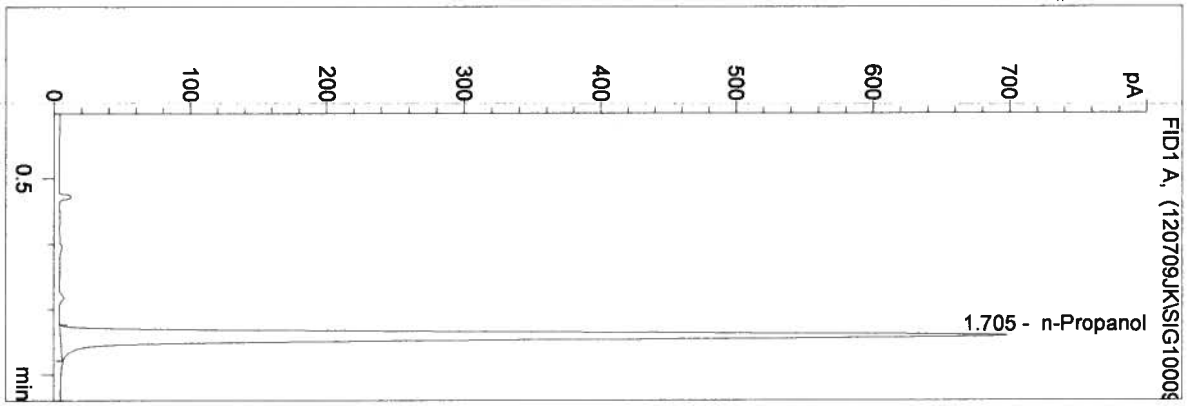
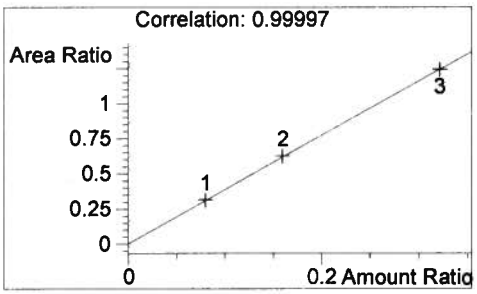
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

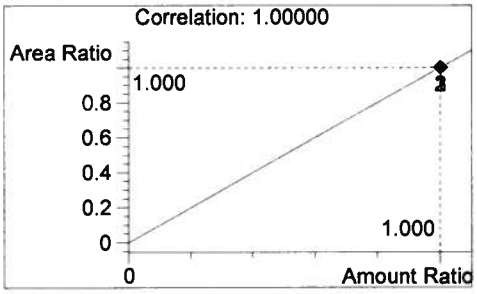
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2754	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
DB-ALC1

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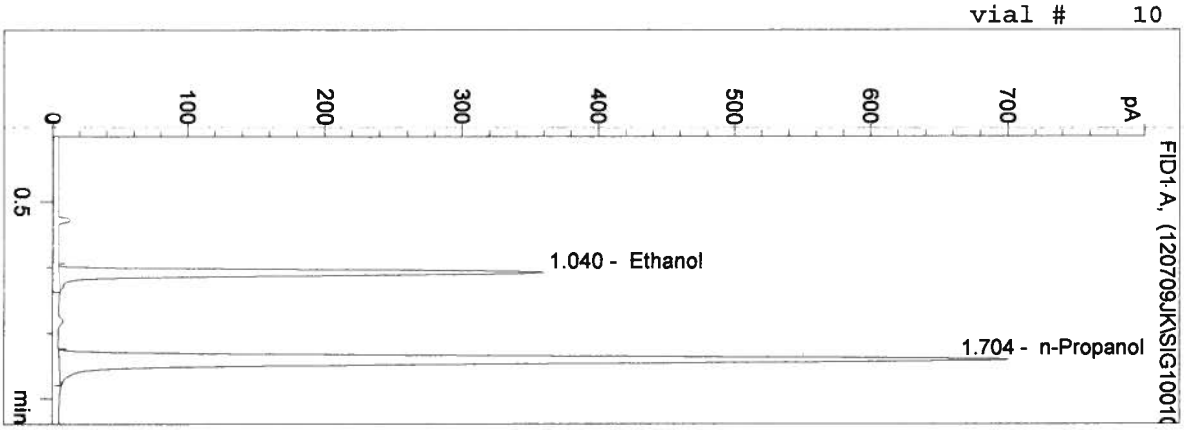
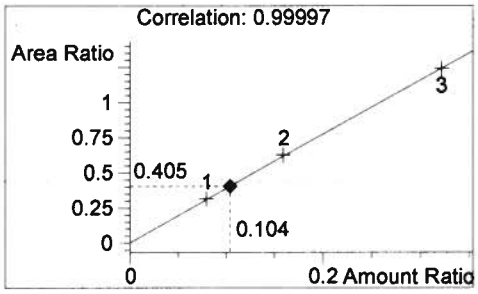
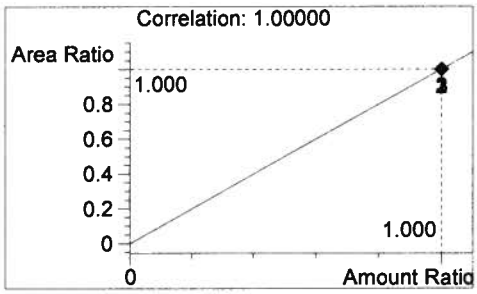
vial # 10



#	Compound	Area	RT
1	Ethanol	1121	1.040
2	n-Propanol	2767	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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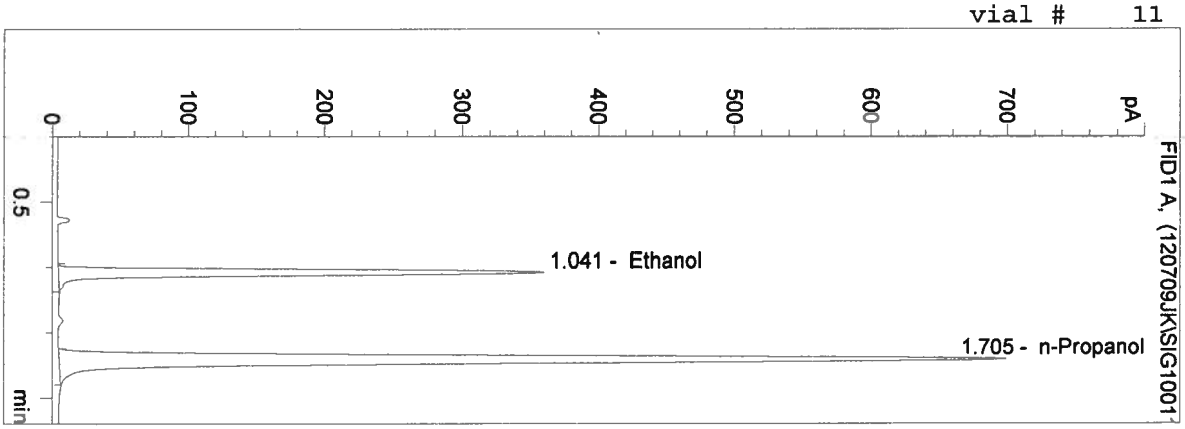
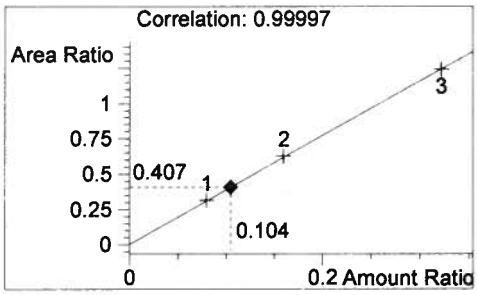
Instrument 1
DB-ALC1

12026-2
Justin Knoy

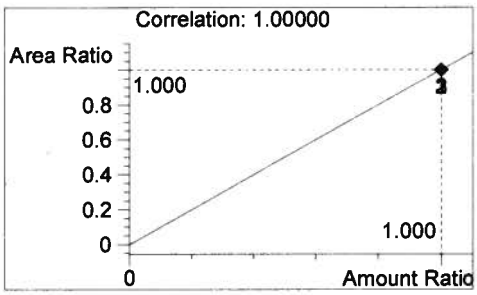
vial # 11



#	Compound	Area	RT
1	Ethanol	1123	1.041
2	n-Propanol	2761	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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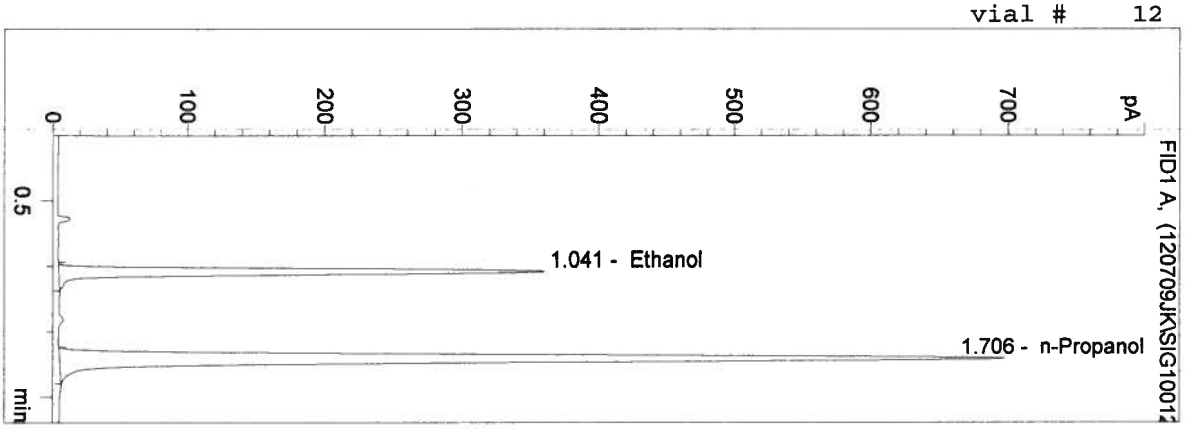
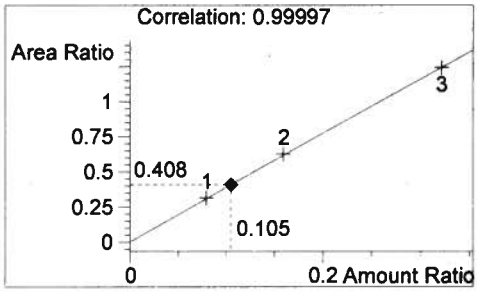
Instrument 1
DB-ALC1

12026-3
Justin Knoy

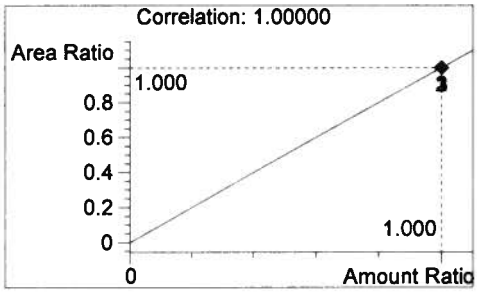
vial # 12



#	Compound	Area	RT
1	Ethanol	1123	1.041
2	n-Propanol	2754	1.706
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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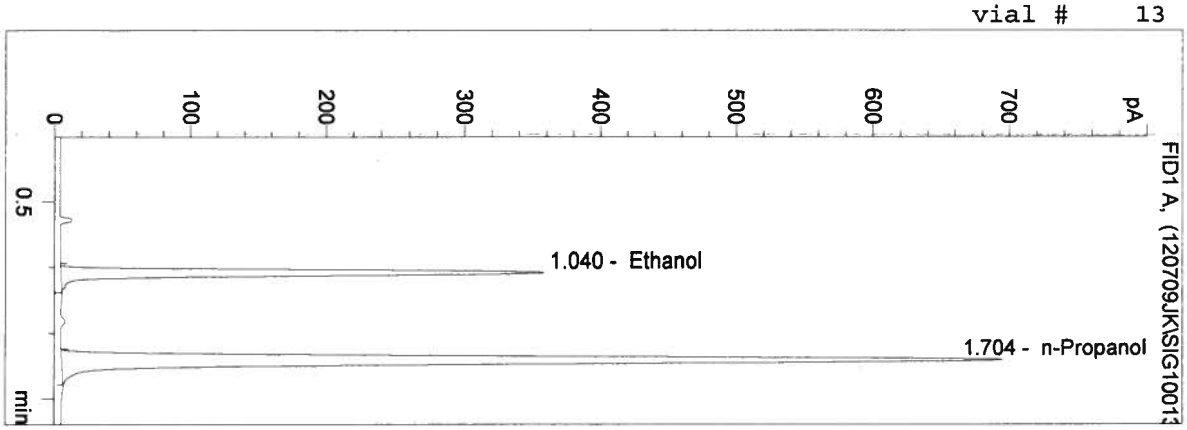
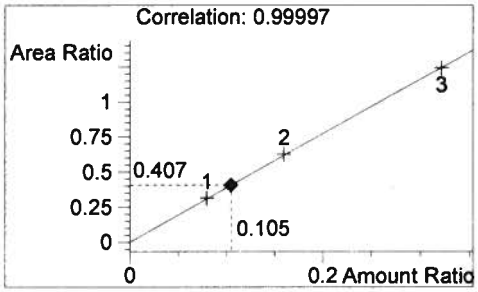
Instrument 1
DB-ALC1

12026-4
Justin Knoy

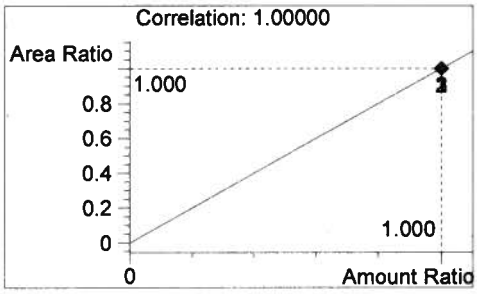
vial # 13



#	Compound	Area	RT
1	Ethanol	1116	1.040
2	n-Propanol	2742	1.704
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

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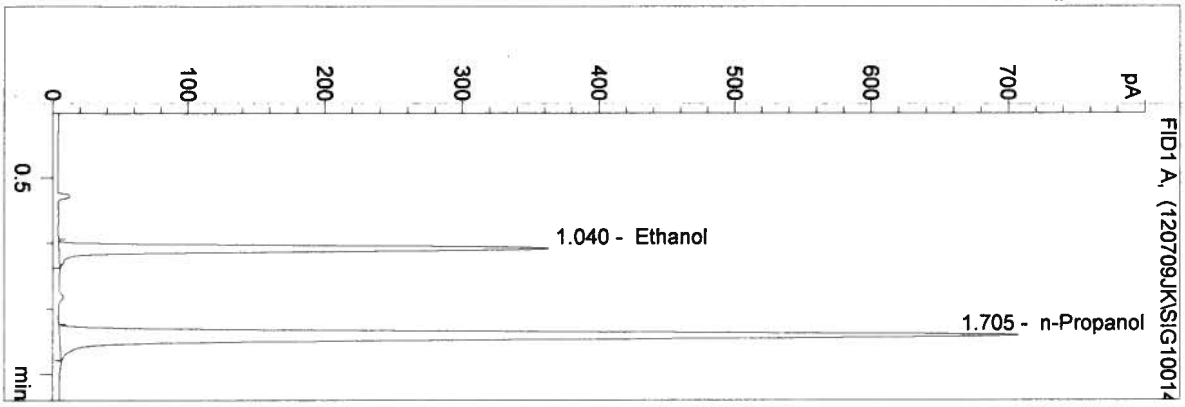
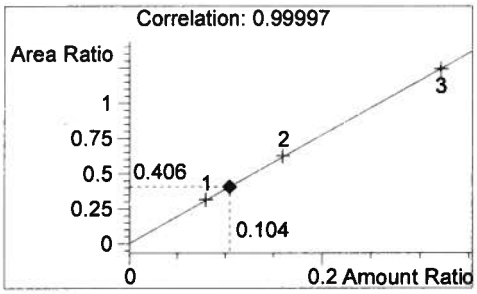
Instrument 1
DB-ALC1

12026-5
Justin Knoy

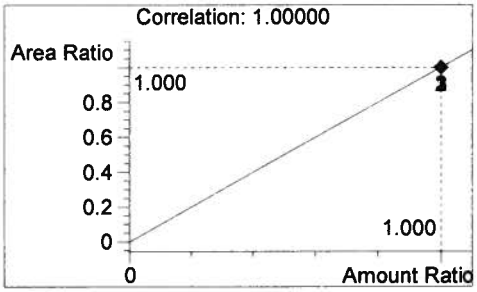
vial # 14



#	Compound	Area	RT
1	Ethanol	1133	1.040
2	n-Propanol	2787	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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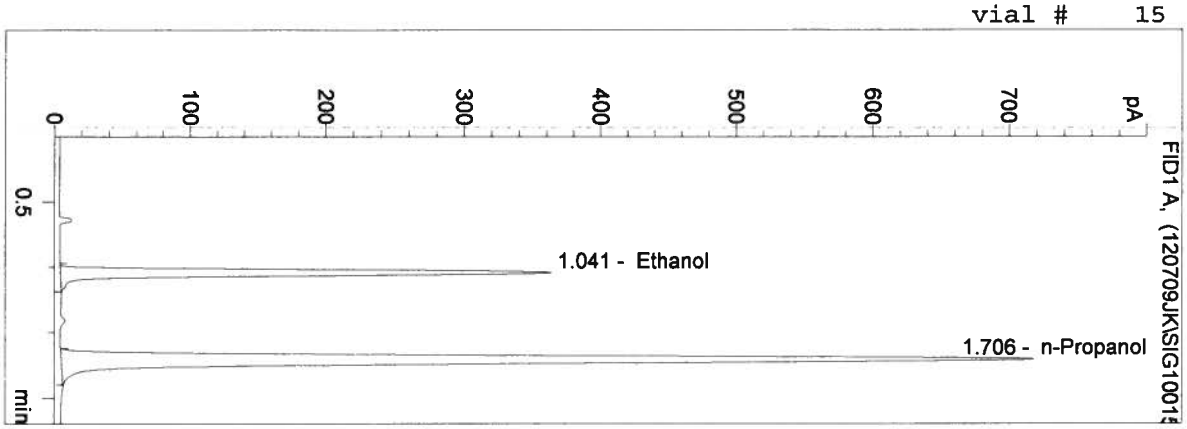
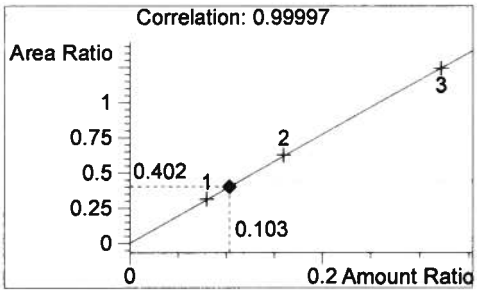
7/9/2012 12:19:45 PM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

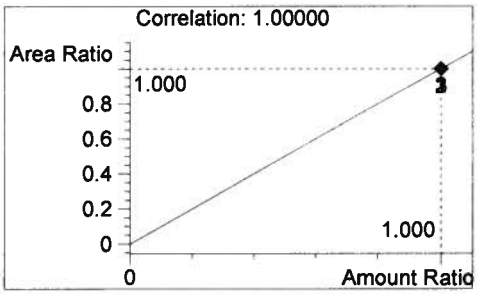
vial # 15



#	Compound	Area	RT
1	Ethanol	1141	1.041
2	n-Propanol	2841	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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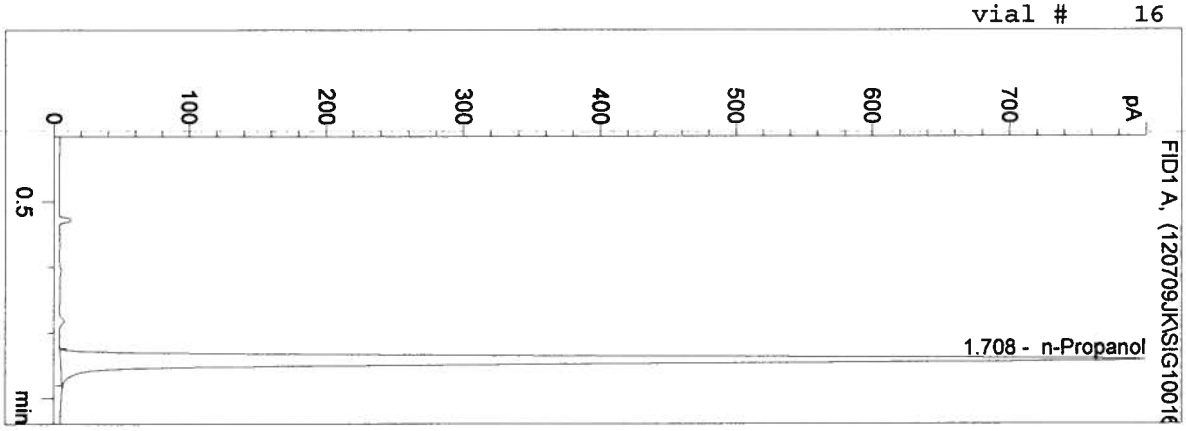
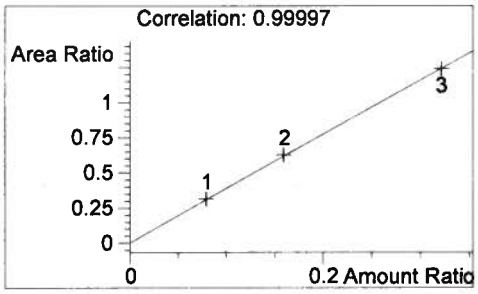
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

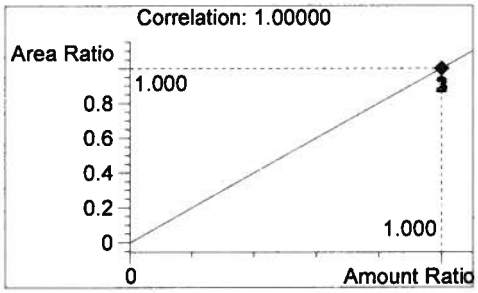
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3172	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12026

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:	120711BP
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	E0612-01
3	Vial 3	E0612-02
4	Vial 4	E0612-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12026

BP

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	12026 #1	SIMALC1	1	Sample		
11	Vial 11	12026 #2	SIMALC1	1	Sample		
12	Vial 12	12026 #3	SIMALC1	1	Sample		
13	Vial 13	12026 #4	SIMALC1	1	Sample		
14	Vial 14	12026 #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!

12026

BP

Calibration Table

Calib. Data Modified : Wednesday, July 11, 2012 2:29:54 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	853.12653	9.34211e-5	1		Ethanol
		2	1.59870e-1	1799.60767	8.88360e-5			
		3	3.21590e-1	3453.47778	9.31206e-5			
1.704	1	1	1.00000	2740.59717	3.64884e-4	I1		n-Propanol
		2	1.00000	2834.51660	3.52794e-4			
		3	1.00000	2767.37134	3.61354e-4			

Peak Sum Table

No Entries in table

BP

12026

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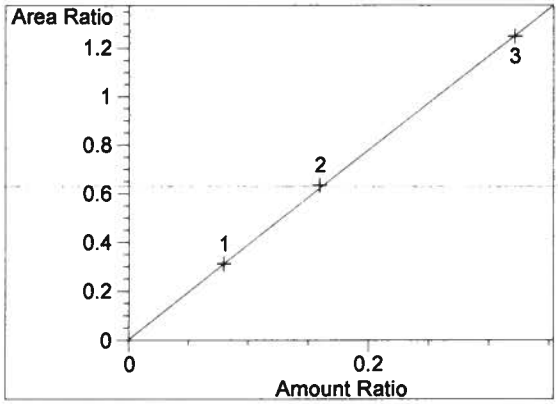
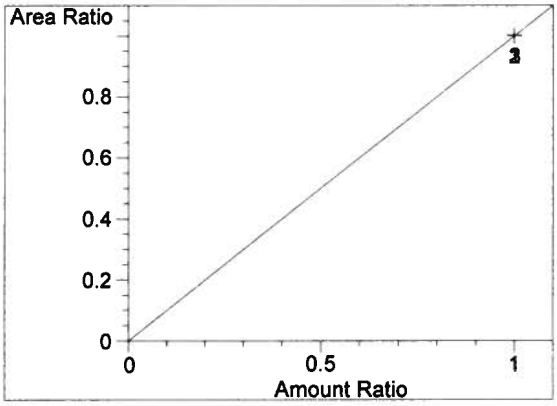
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99991
Residual Std. Dev.: 0.00854
Formula: y = mx + b
m: 3.88335
b: 3.73182e-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

==========

BP

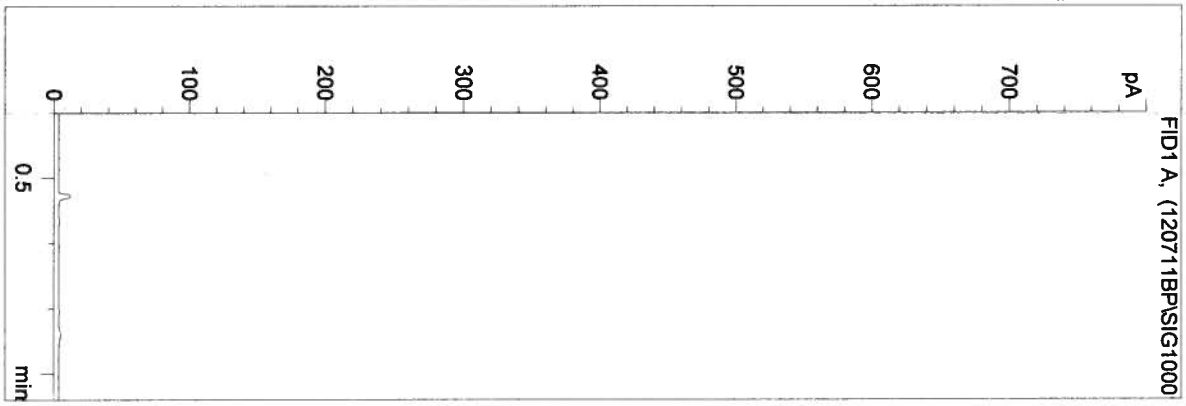
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

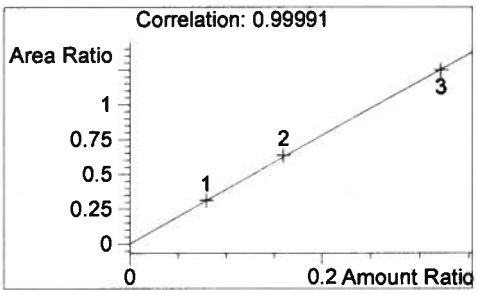
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:18:26 PM
Instrument 1
DB-ALC1

Blank
Brianna Peterson

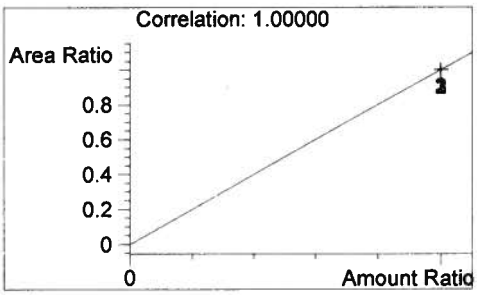
vial # 1



#	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

12026

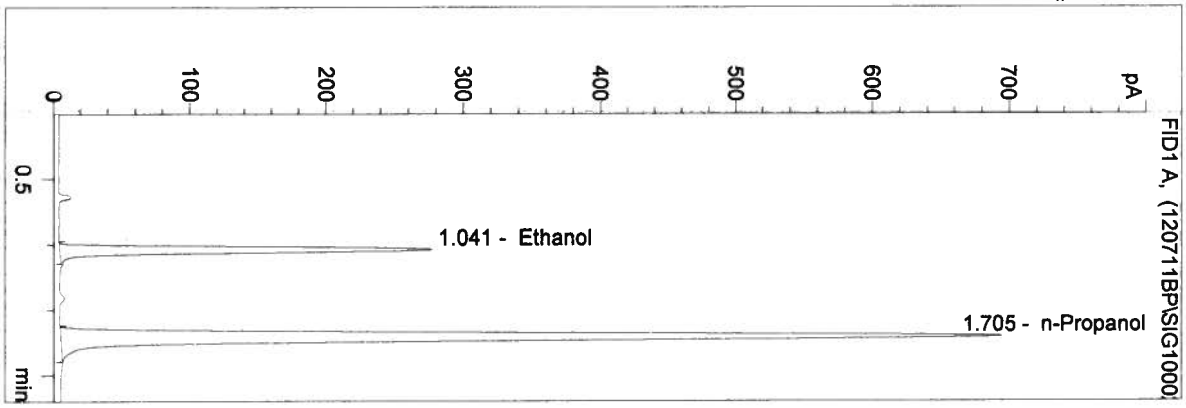
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

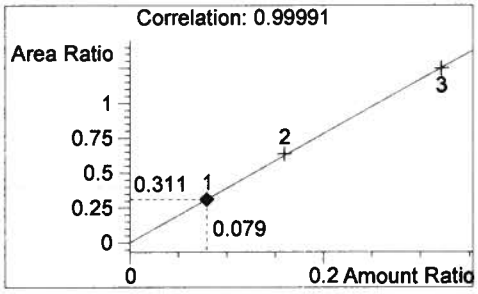
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:21:31 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

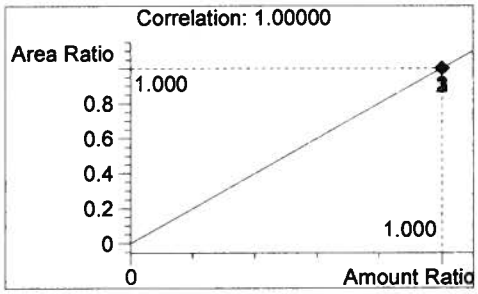
vial # 2



#	Compound	Area	RT
1	Ethanol	853	1.041
2	n-Propanol	2741	1.705
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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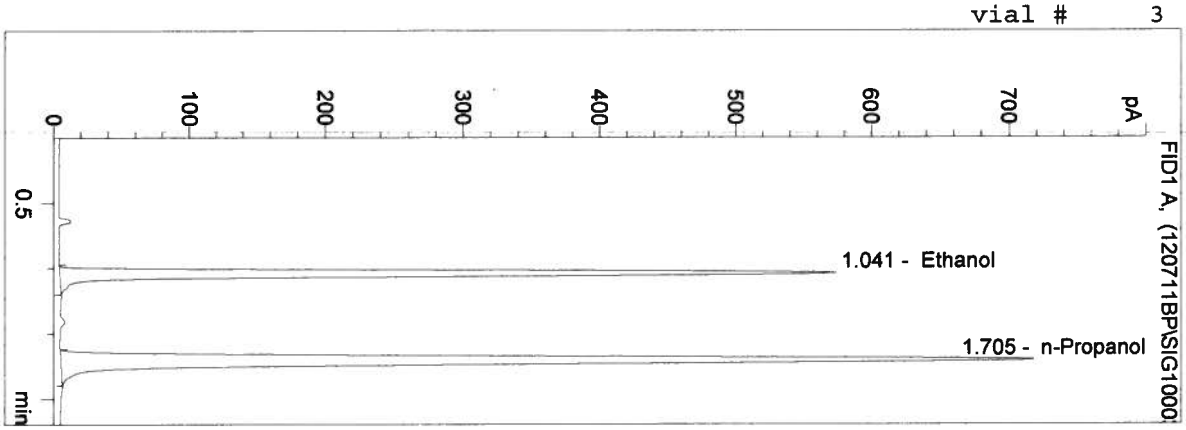
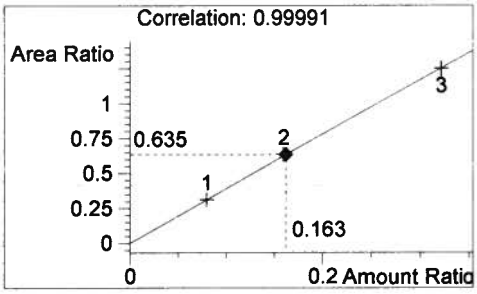
7/11/2012 2:24:36 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

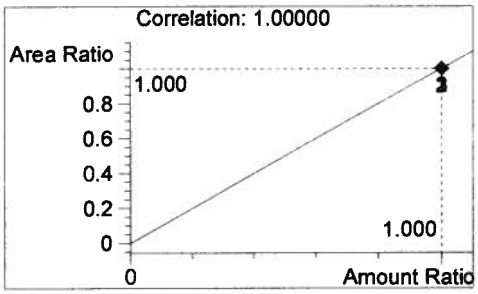
vial # 3



#	Compound	Area	RT
1	Ethanol	1800	1.041
2	n-Propanol	2835	1.705
Tot			



Ethanol 0.163 g/100 mL



n-Propanol 1.000 g/100 mL

12026

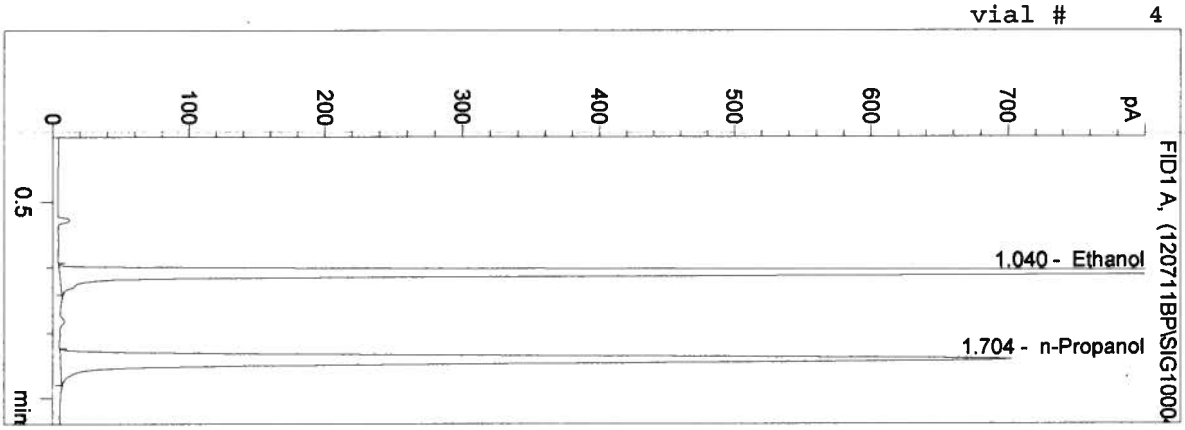
BR

WASHINGTON STATE TOXICOLOGY LABORATORY

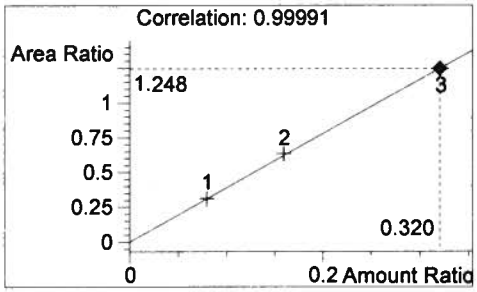
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:27:41 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

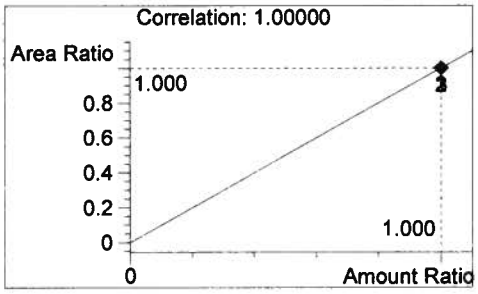
vial # 4



#	Compound	Area	RT
1	Ethanol	3453	1.040
2	n-Propanol	2767	1.704
Tot			



Ethanol 0.320 g/100 mL



n-Propanol 1.000 g/100 mL

12026

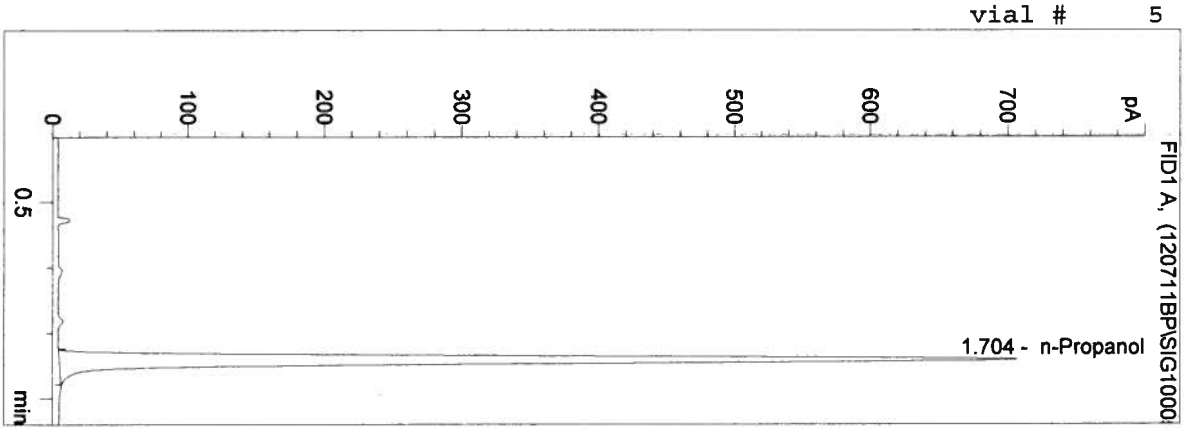
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

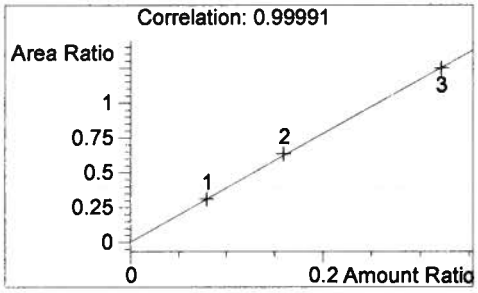
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:30:45 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

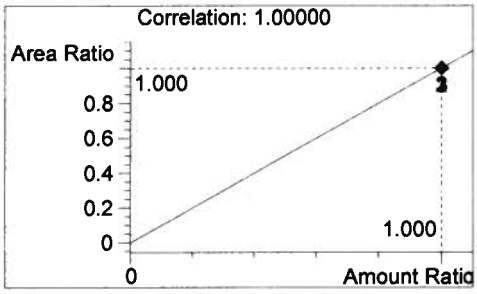
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2780	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BP

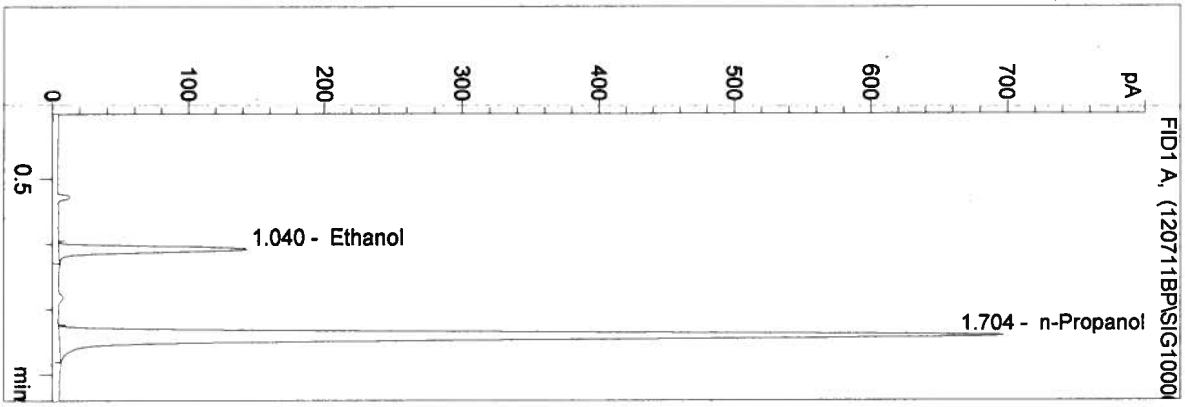
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

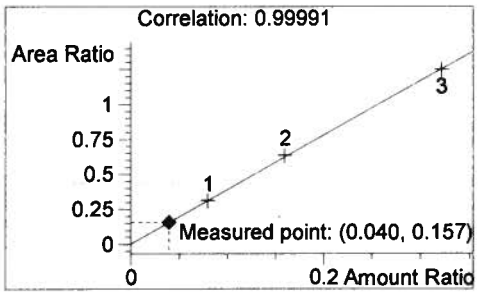
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:33:50 PM
Instrument 1
DB-ALC1

0.04 CTRL - BP
Brianna Peterson

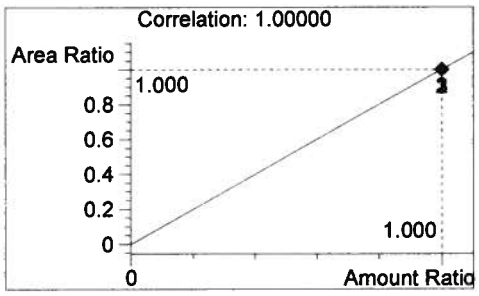
vial # 6



#	Compound	Area	RT
1	Ethanol	433	1.040
2	n-Propanol	2753	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

BP

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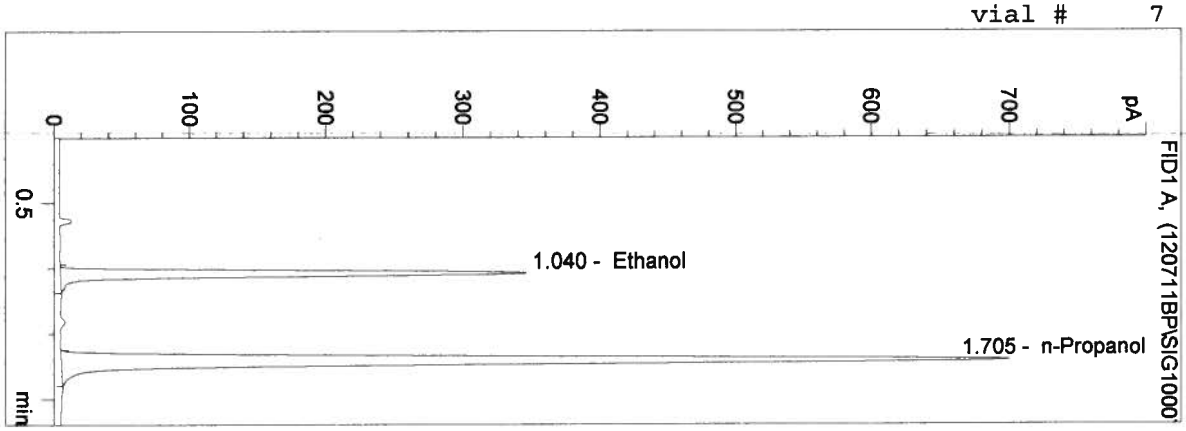
WASHINGTON STATE TOXICOLOGY LABORATORY

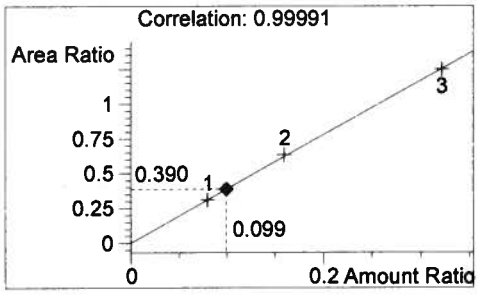
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:36:55 PM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

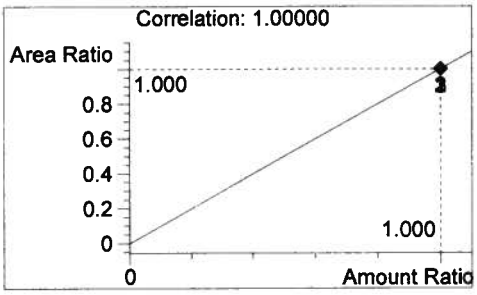
vial # 7



#	Compound	Area	RT
1	Ethanol	1079	1.040
2	n-Propanol	2769	1.705
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

BP

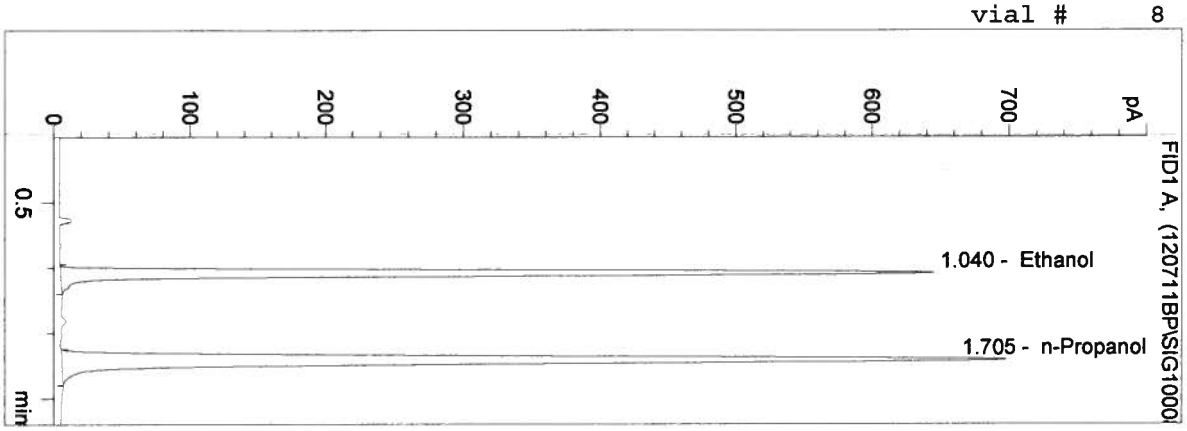
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

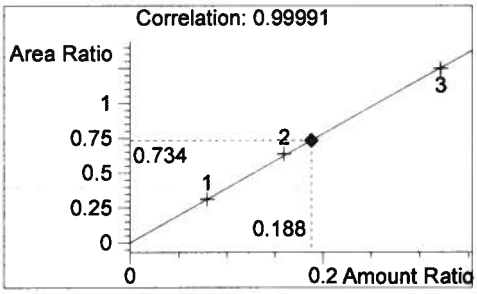
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:39:59 PM
Instrument 1
DB-ALC1

0.20 CTRL - BP
Brianna Peterson

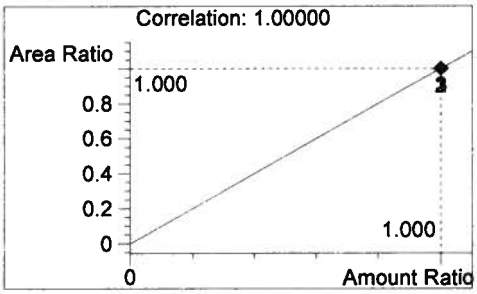
vial # 8



#	Compound	Area	RT
1	Ethanol	2016	1.040
2	n-Propanol	2748	1.705
Tot			



Ethanol 0.188 g/100 mL



n-Propanol 1.000 g/100 mL

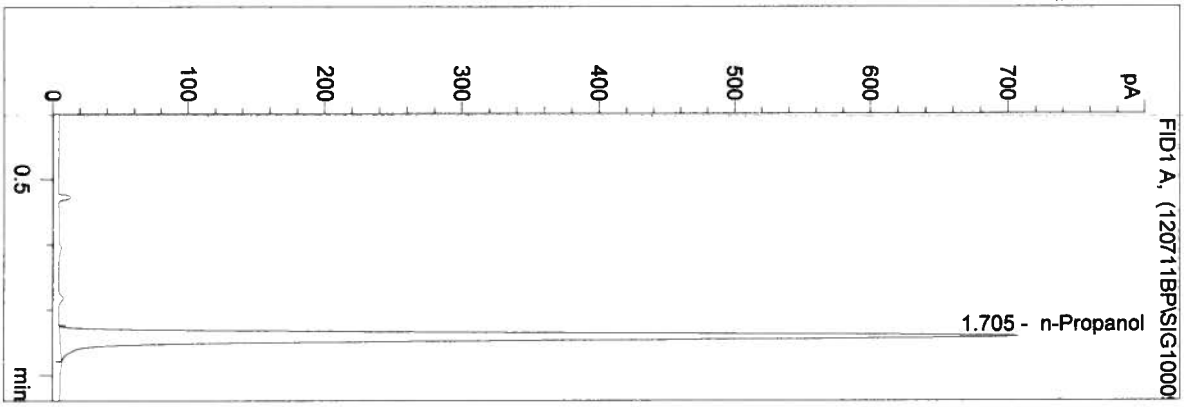
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

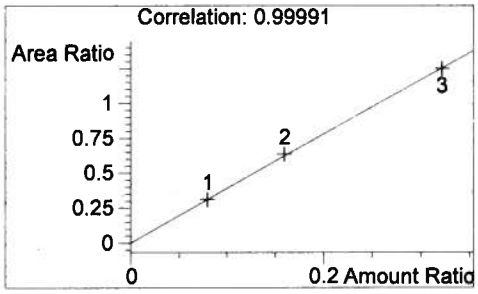
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:43:04 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

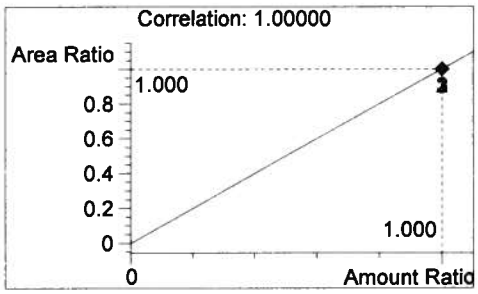
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2783	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BP

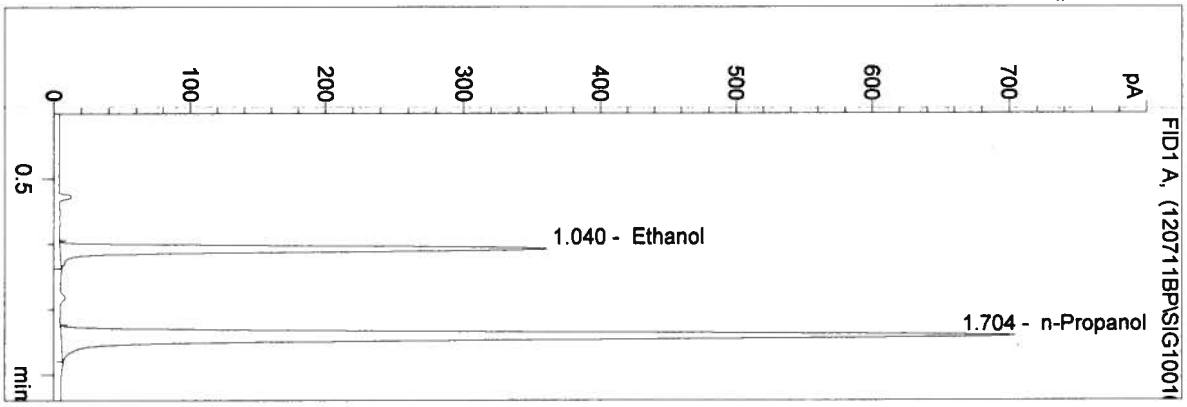
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

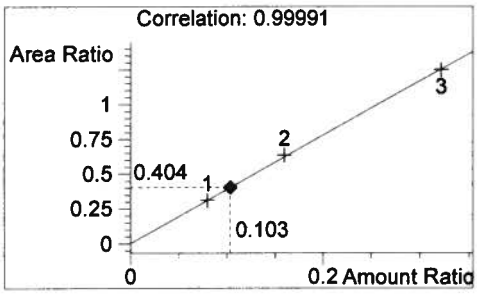
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:46:09 PM
Instrument 1
DB-ALC1

12026 #1
Brianna Peterson

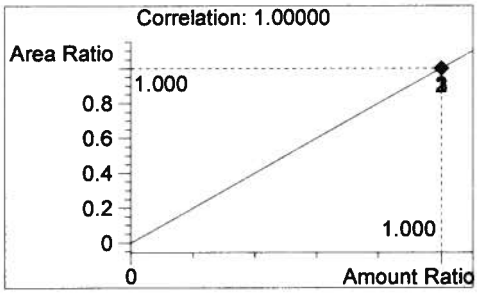
vial # 10



#	Compound	Area	RT
1	Ethanol	1126	1.040
2	n-Propanol	2786	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

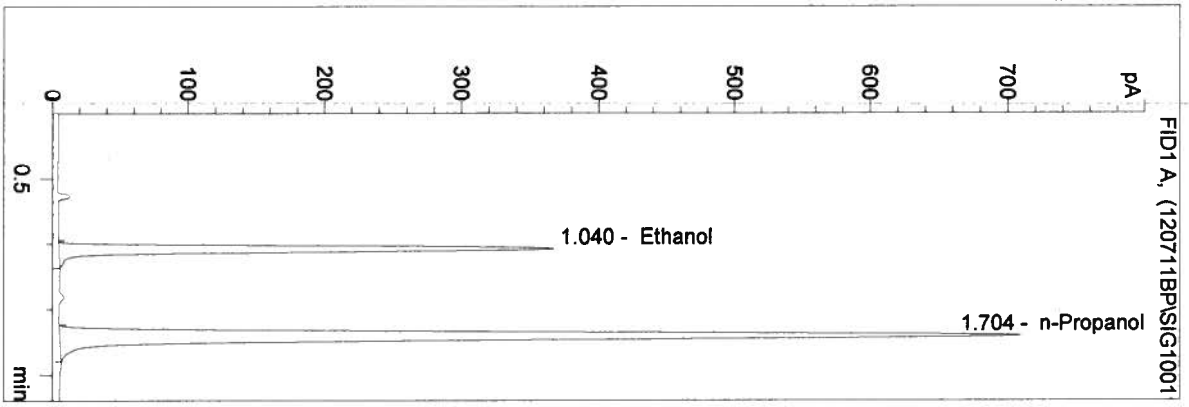
BS

WASHINGTON STATE TOXICOLOGY LABORATORY

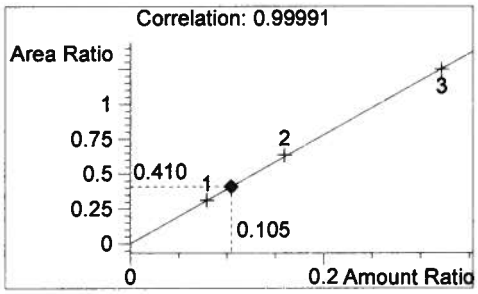
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:49:14 PM
Instrument 1
DB-ALC1

12026 #2
Brianna Peterson

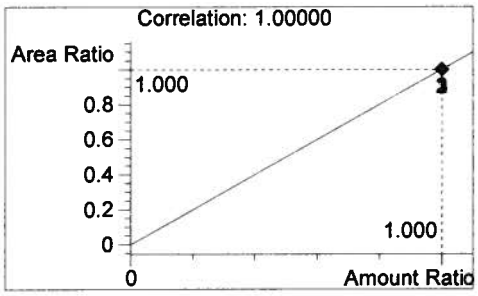
vial # 11



#	Compound	Area	RT
1	Ethanol	1152	1.040
2	n-Propanol	2807	1.704
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

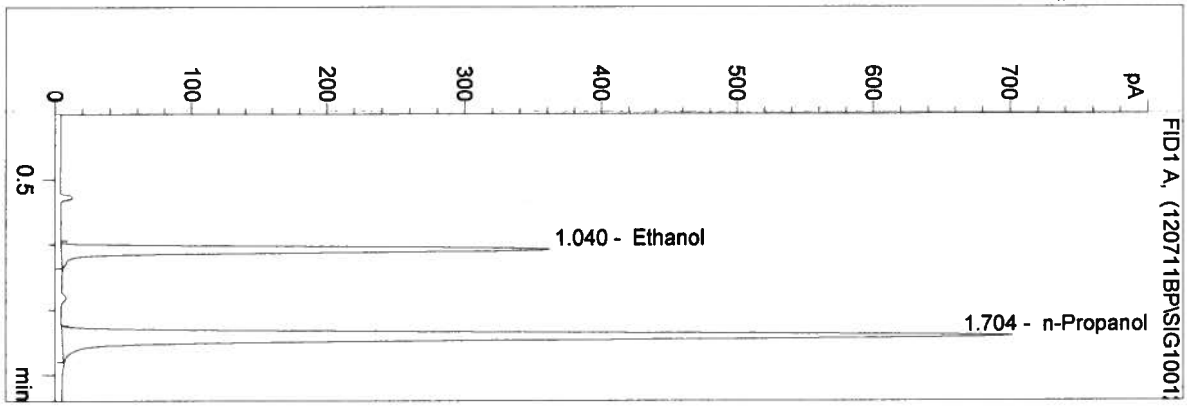
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

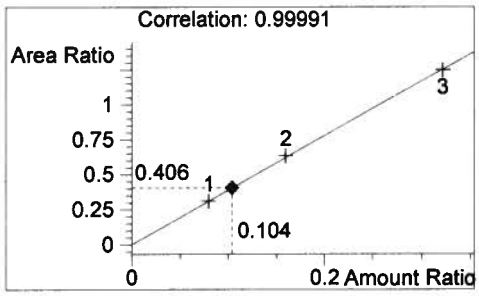
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:52:19 PM
Instrument 1
DB-ALC1

12026 #3
Brianna Peterson

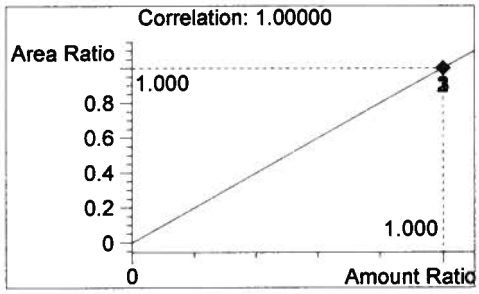
vial # 12



#	Compound	Area	RT
1	Ethanol	1127	1.040
2	n-Propanol	2773	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

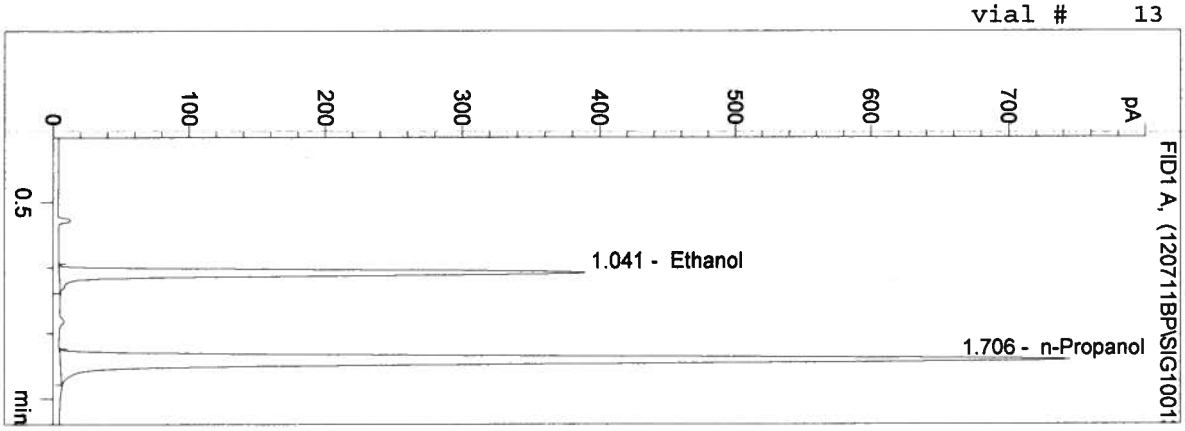
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

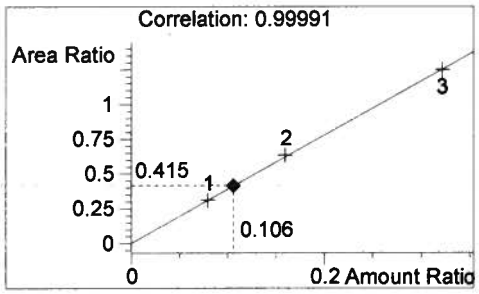
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:55:23 PM
Instrument 1
DB-ALC1

12026 #4
Brianna Peterson

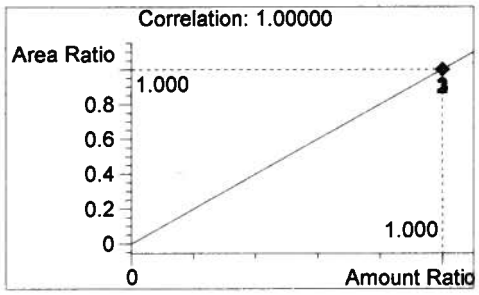
vial # 13



#	Compound	Area	RT
1	Ethanol	1218	1.041
2	n-Propanol	2935	1.706
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

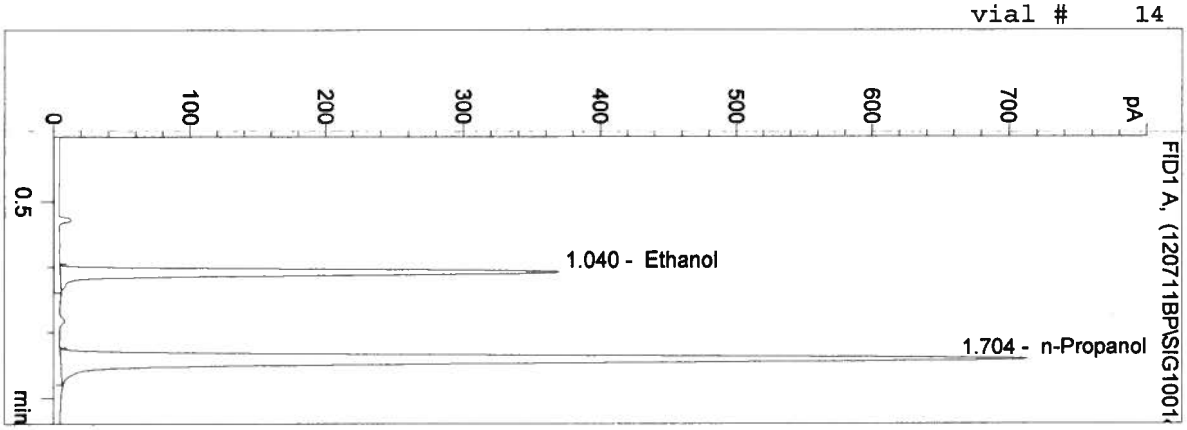
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

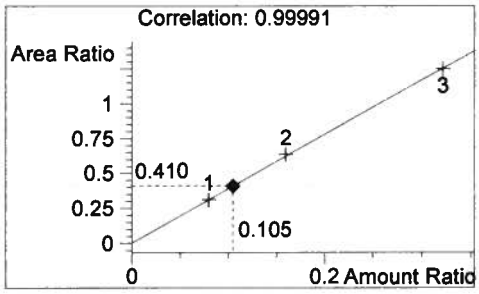
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 2:58:28 PM
Instrument 1
DB-ALC1

12026 #5
Brianna Peterson

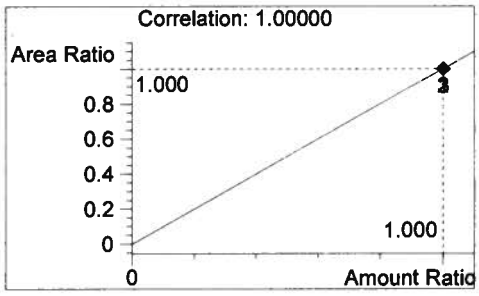
vial # 14



#	Compound	Area	RT
1	Ethanol	1151	1.040
2	n-Propanol	2809	1.704
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

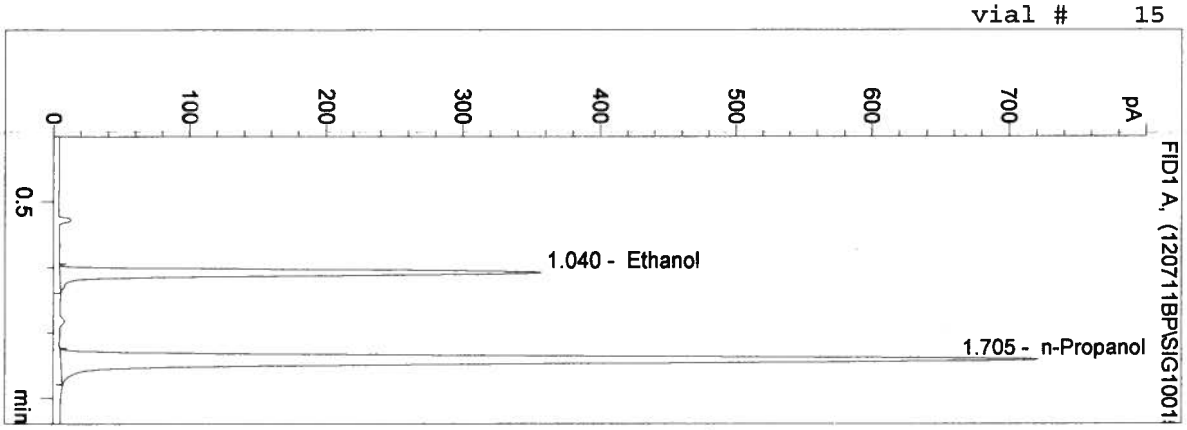
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

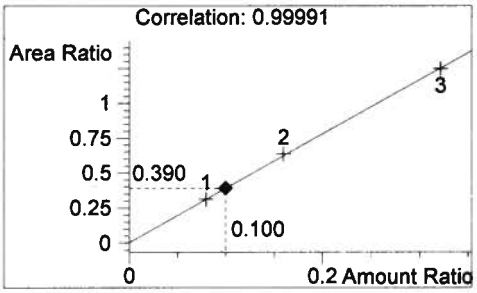
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 3:01:33 PM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

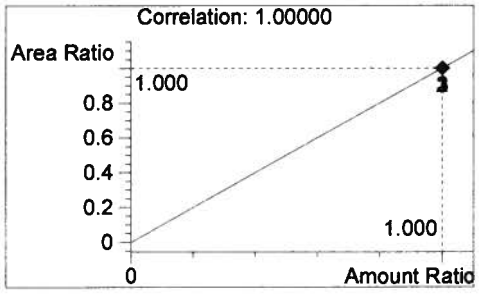
vial # 15



#	Compound	Area	RT
1	Ethanol	1108	1.040
2	n-Propanol	2838	1.705
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

BP

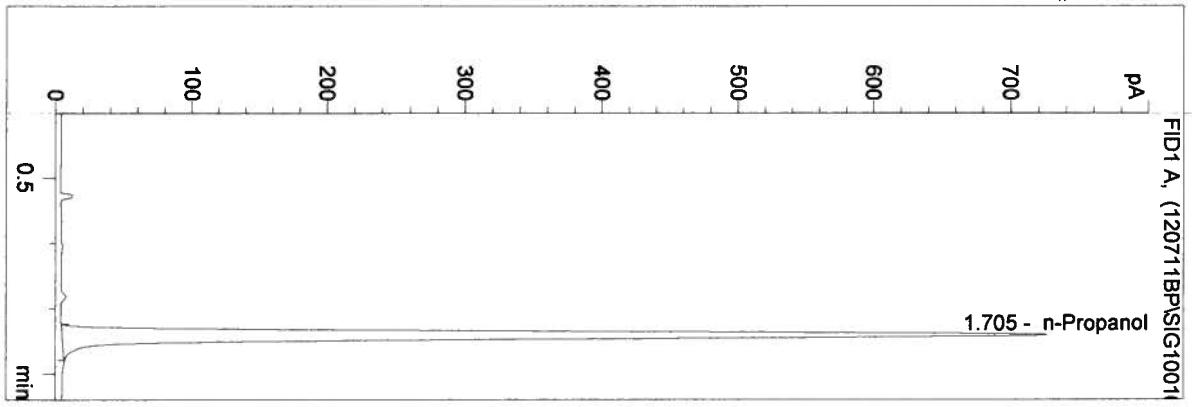
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

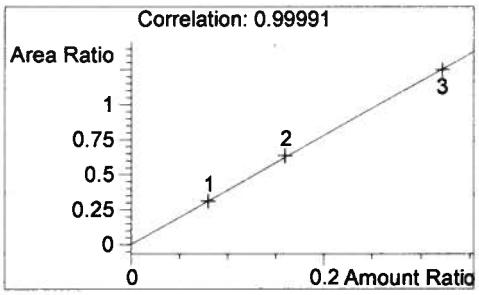
C:\HPCHEM\1\METHODS\SIMALC1.M
7/11/2012 3:04:38 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

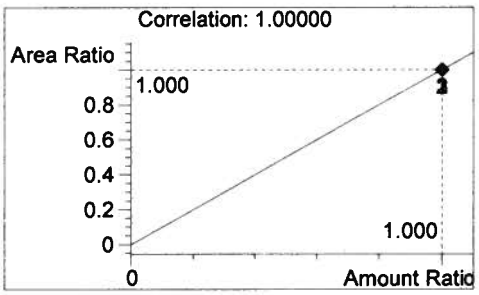
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2866	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12026

BP

Sequence: C:\HPCHEM\1\SEQUENCE\LNEXT1.S

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120712LN
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
0.079 Calibrator Lot#E0612-01 - exp 09/25/2012
0.158 Calibrator Lot#E0612-02 - exp 09/25/2012
0.316 Calibrator Lot#E0612-03 - exp 09/25/2012

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - LN	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - LN	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - LN	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		
10	Vial 10	12026 #1	SIMALC1	1	Sample		
11	Vial 11	12026 #2	SIMALC1	1	Sample		
12	Vial 12	12026 #3	SIMALC1	1	Sample		
13	Vial 13	12026 #4	SIMALC1	1	Sample		
14	Vial 14	12026 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - LN	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		

fn

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	

12026

Sequence Table (Back Injector):

Sequence: C:\HPCHEM\1\SEQUENCE\LNEXT1.S

No entries - empty table!

fn

12026

Calibration Table

Calib. Data Modified : Thursday, July 12, 2012 9:43:48 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.97000e-2	849.43677	9.38269e-5	1		Ethanol
		2	1.59870e-1	1732.36816	9.22841e-5			
		3	3.21590e-1	3422.48633	9.39639e-5			
1.705	1	1	1.00000	2749.88257	3.63652e-4	I1		n-Propanol
		2	1.00000	2767.49805	3.61337e-4			
		3	1.00000	2756.42383	3.62789e-4			

Peak Sum Table

No Entries in table

12026

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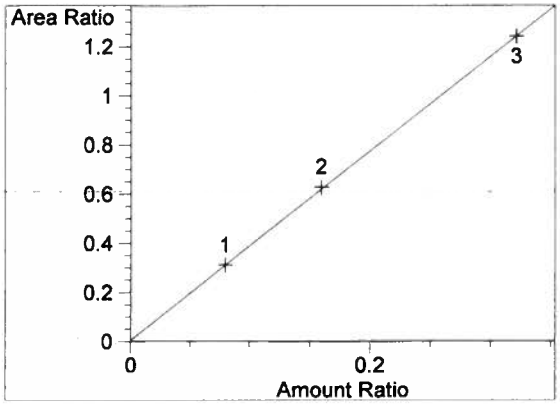
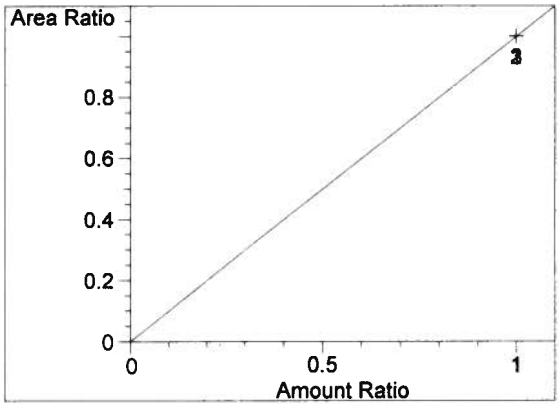
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00514
Formula: y = mx + b
m: 3.86269
b: 2.23003e-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

==========

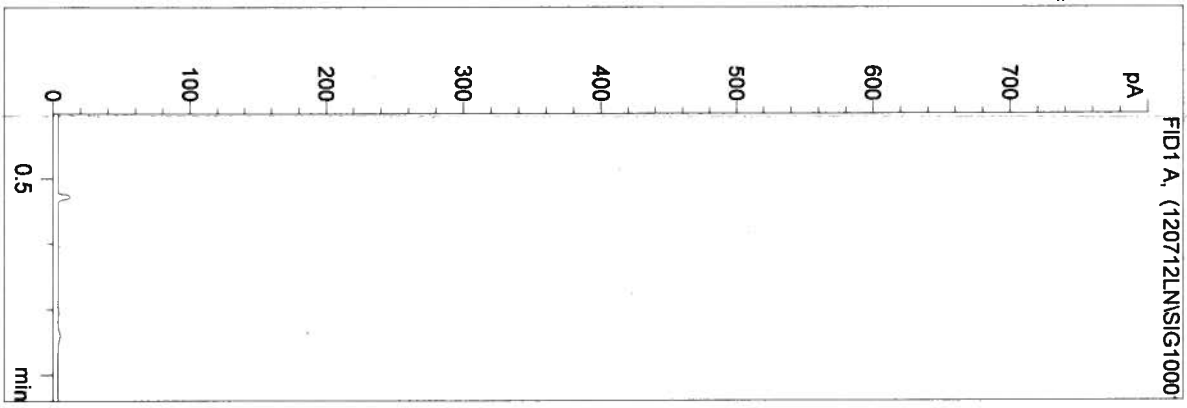
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

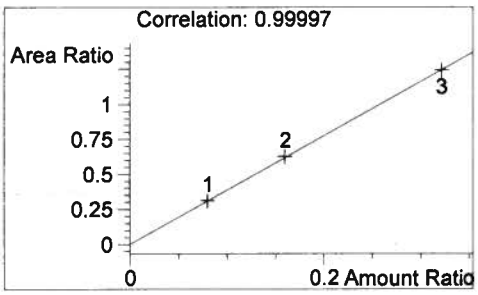
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:32:21 AM
Instrument 1
DB-ALC1

BLANK
Lisa Noble

vial # 1

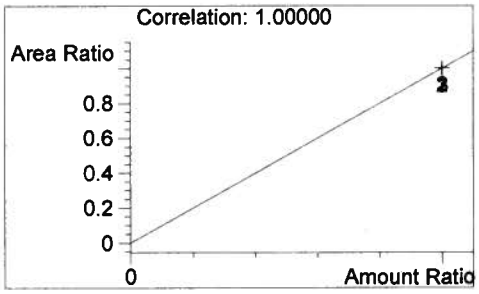


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			



Ethanol 0.000 g/100 mL

fn



n-Propanol 0.000 g/100 mL

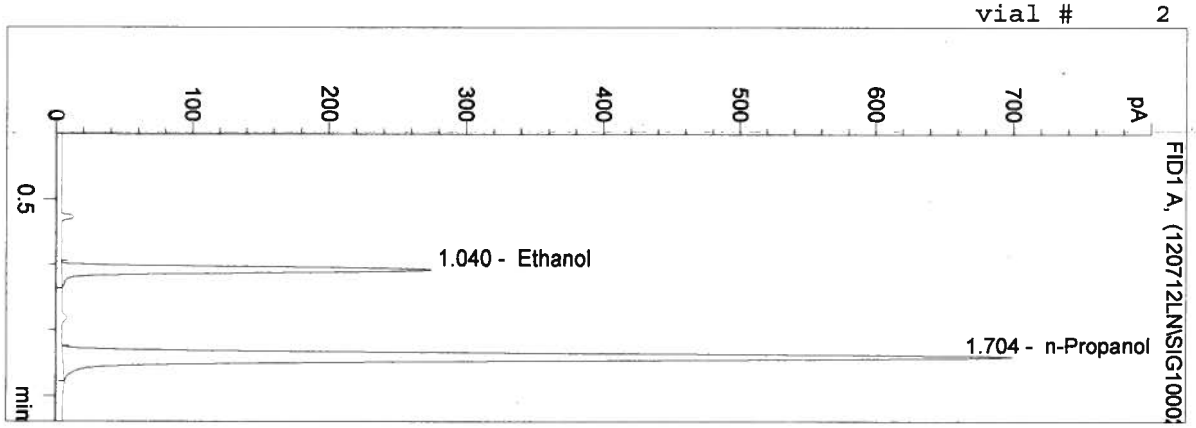
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

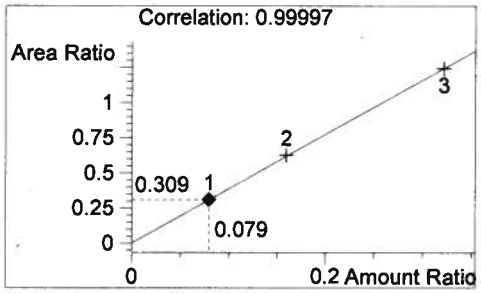
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:35:25 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Lisa Noble

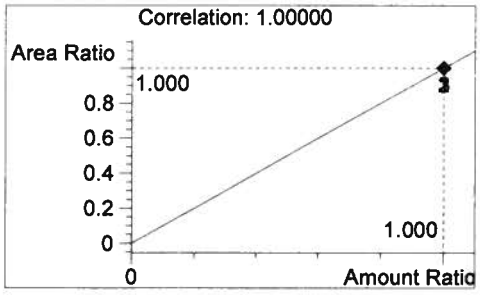
vial # 2



#	Compound	Area	RT
1	Ethanol	849	1.040
2	n-Propanol	2750	1.704
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

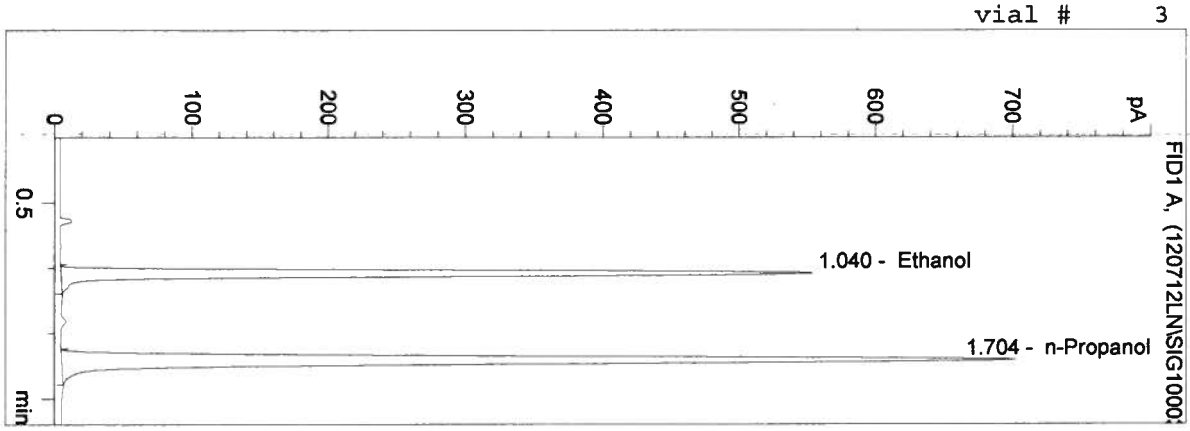
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

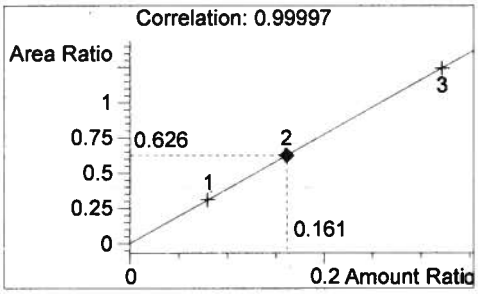
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:38:30 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Lisa Noble

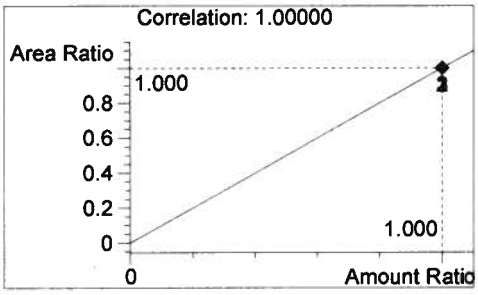
vial # 3



#	Compound	Area	RT
1	Ethanol	1732	1.040
2	n-Propanol	2767	1.704
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

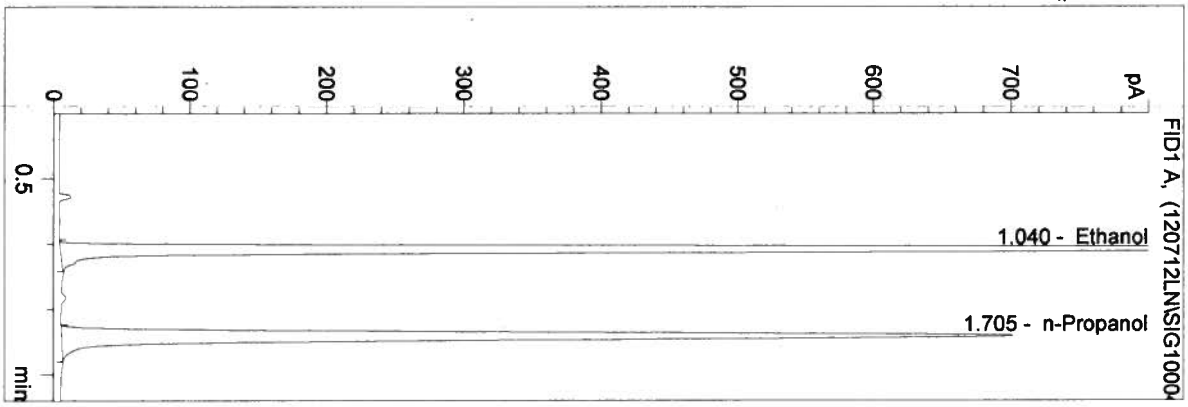
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

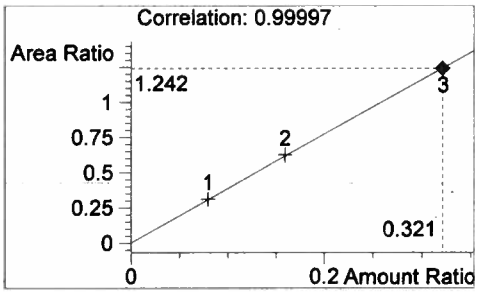
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:41:35 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Lisa Noble

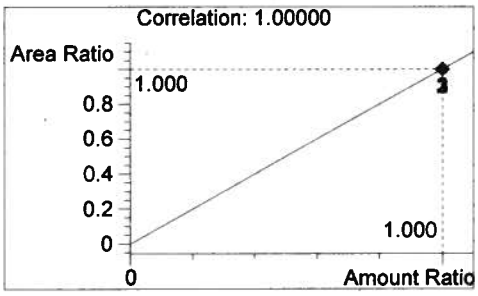
vial # 4



#	Compound	Area	RT
1	Ethanol	3422	1.040
2	n-Propanol	2756	1.705
Tot			



Ethanol 0.321 g/100 mL



n-Propanol 1.000 g/100 mL

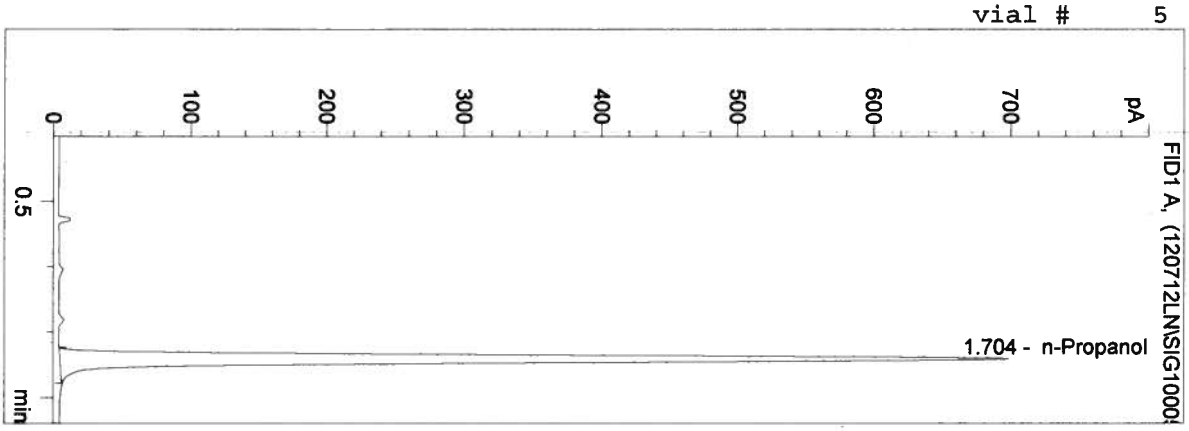
2026

WASHINGTON STATE TOXICOLOGY LABORATORY

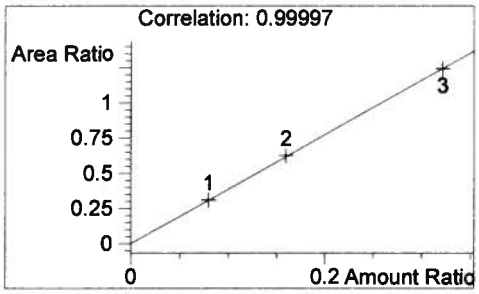
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:44:40 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

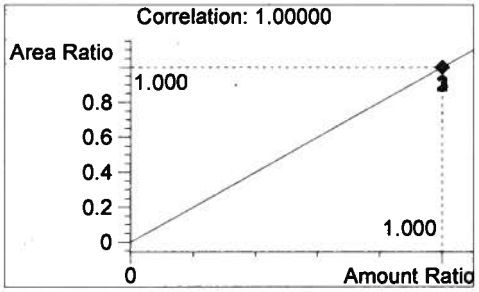
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2747	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

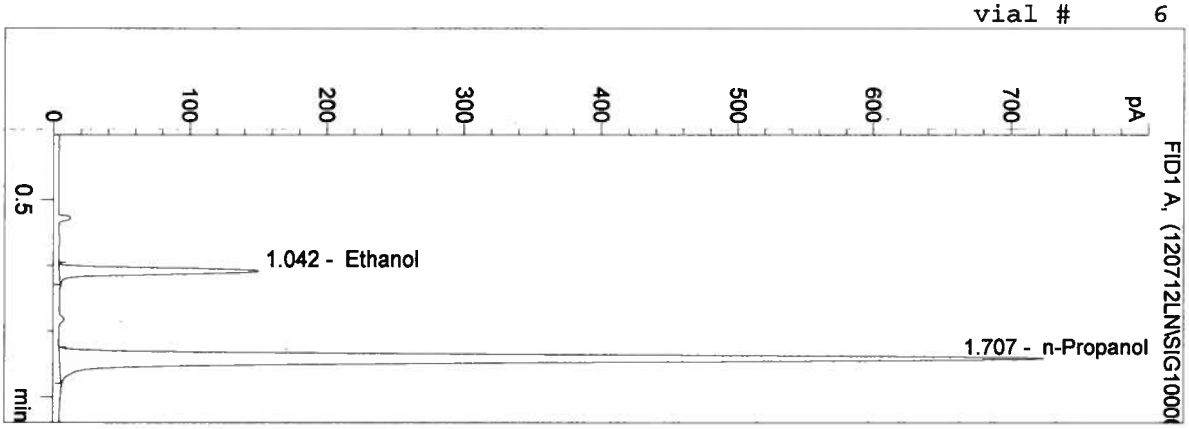
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

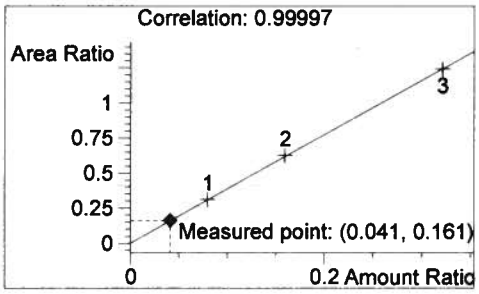
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:47:44 AM
Instrument 1
DB-ALC1

0.04 CTRL - LN
Lisa Noble

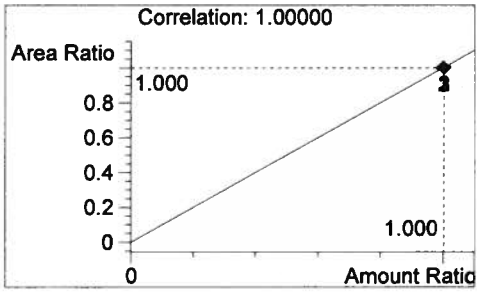
vial # 6



#	Compound	Area	RT
1	Ethanol	461	1.042
2	n-Propanol	2864	1.707
Tot			



Ethanol 0.041 g/100 mL



n-Propanol 1.000 g/100 mL

fn

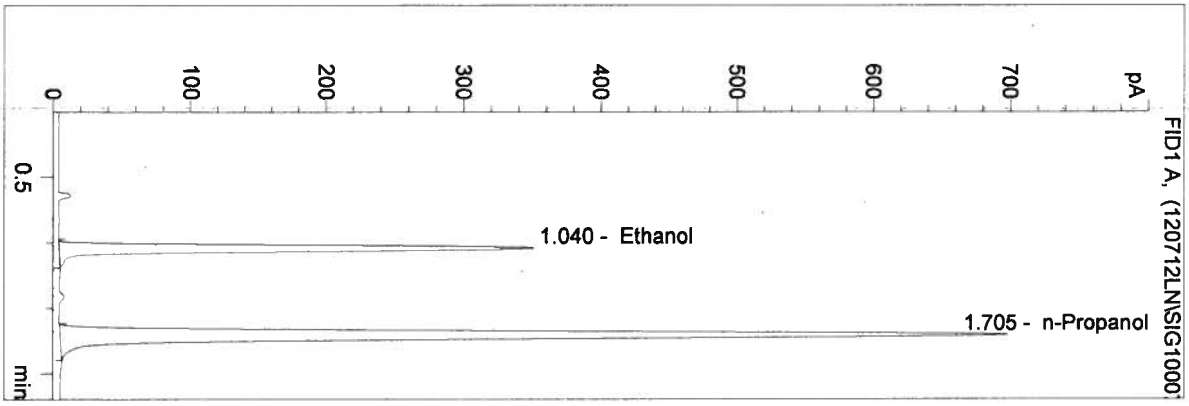
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

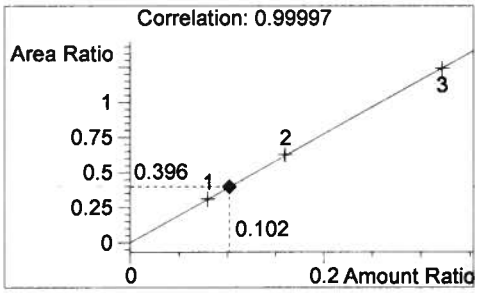
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:50:49 AM
Instrument 1
DB-ALC1

0.10 CTRL - LN
Lisa Noble

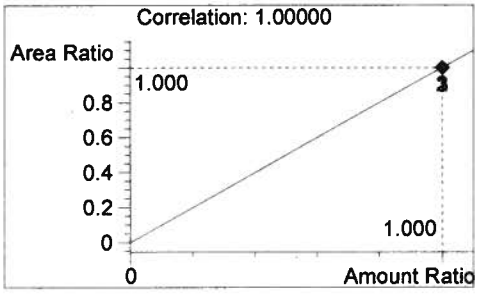
vial # 7



#	Compound	Area	RT
1	Ethanol	1089	1.040
2	n-Propanol	2748	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

fn

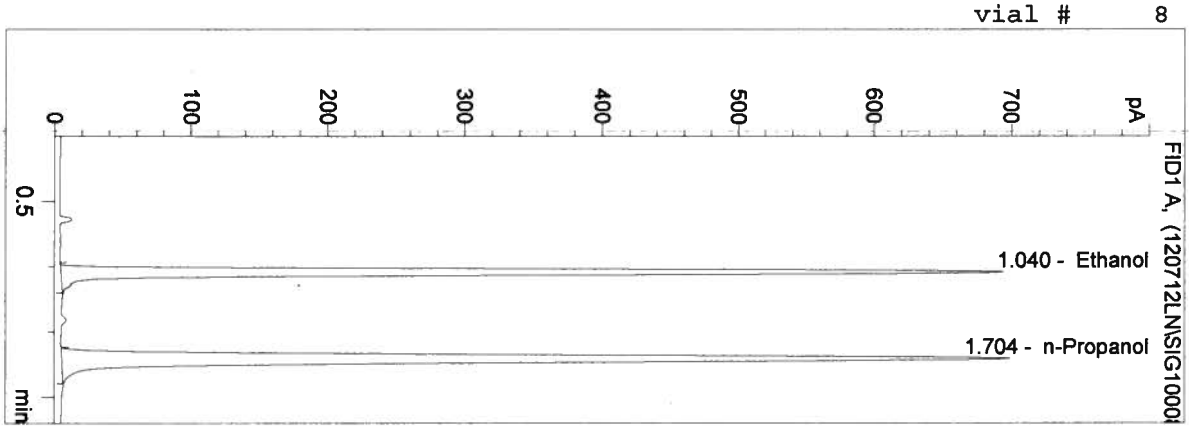
12026

WASHINGTON STATE TOXICOLOGY LABORATORY

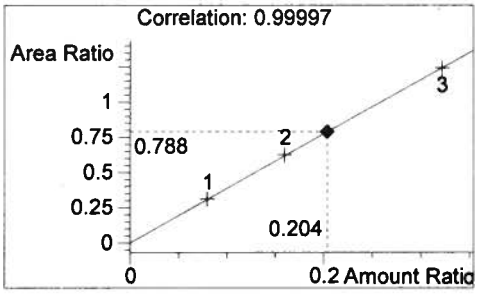
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 9:53:54 AM
Instrument 1
DB-ALC1

0.20 CTRL - LN
Lisa Noble

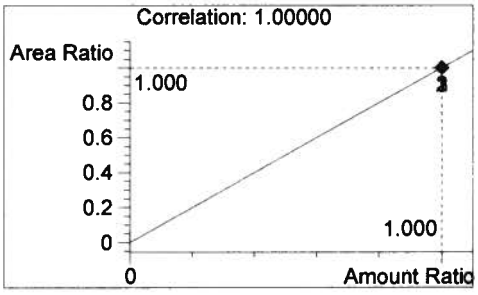
vial # 8



#	Compound	Area	RT
1	Ethanol	2172	1.040
2	n-Propanol	2755	1.704
Tot			



Ethanol 0.204 g/100 mL



n-Propanol 1.000 g/100 mL

fn

1 2020

WASHINGTON STATE TOXICOLOGY LABORATORY

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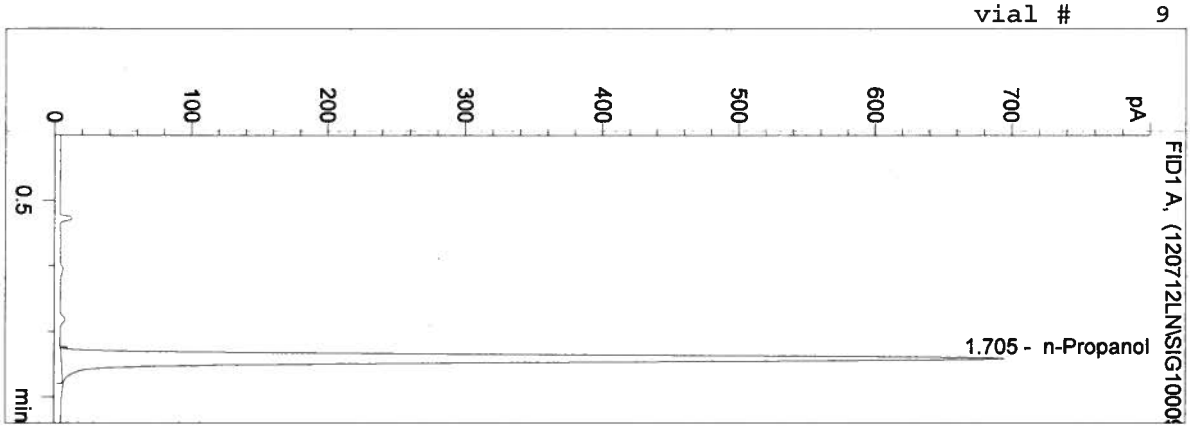
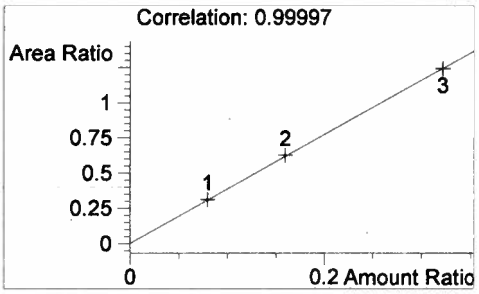
7/12/2012 9:56:58 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

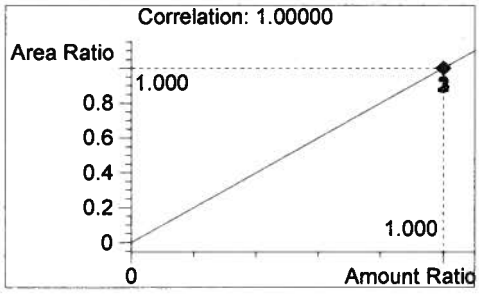
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2735	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

fn

12026

WASHINGTON STATE TOXICOLOGY LABORATORY

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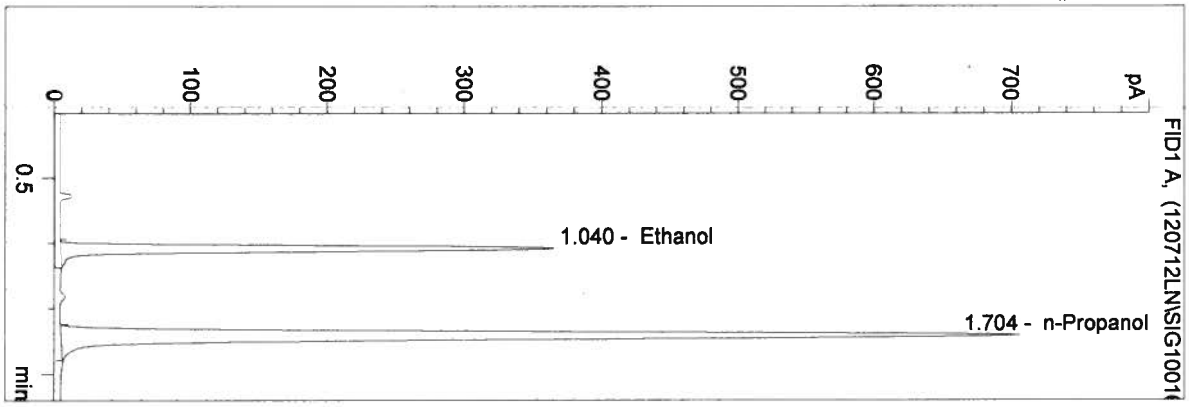
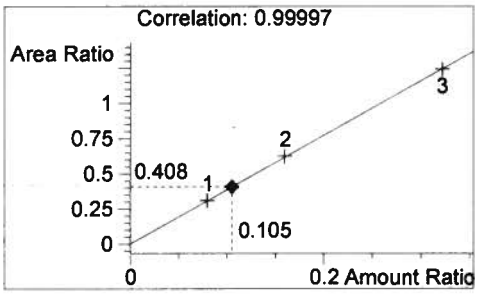
7/12/2012 10:00:03 AM
Instrument 1
DB-ALC1

12026 #1
Lisa Noble

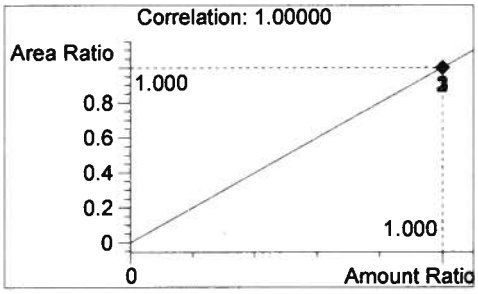
vial # 10



#	Compound	Area	RT
1	Ethanol	1134	1.040
2	n-Propanol	2779	1.704
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

fn

WASHINGTON STATE TOXICOLOGY LABORATORY

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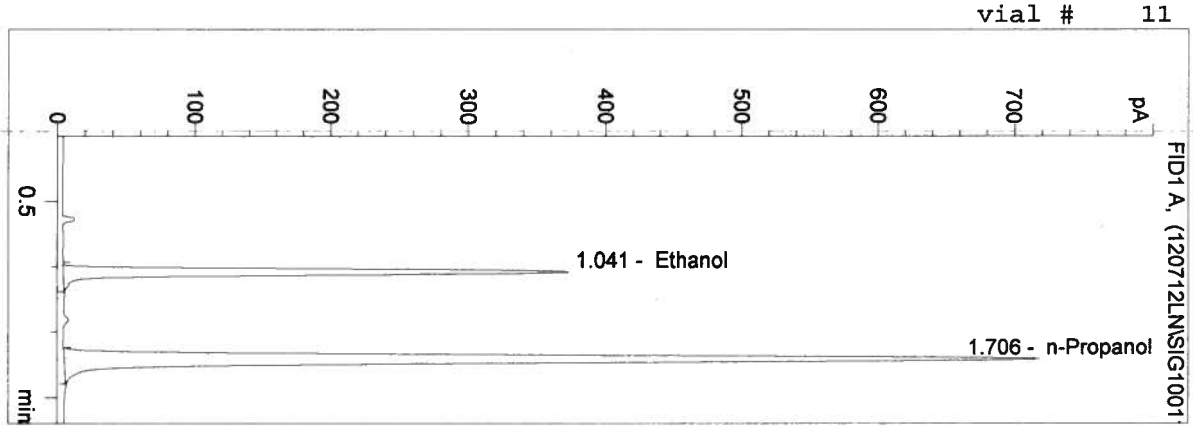
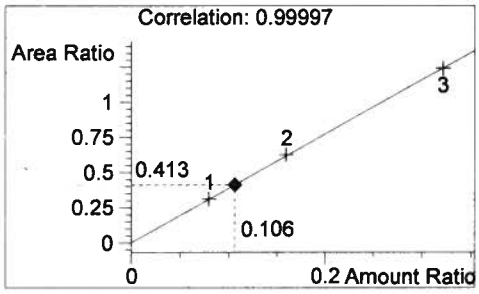
7/12/2012 10:03:08 AM
Instrument 1
DB-ALC1

12026 #2
Lisa Noble

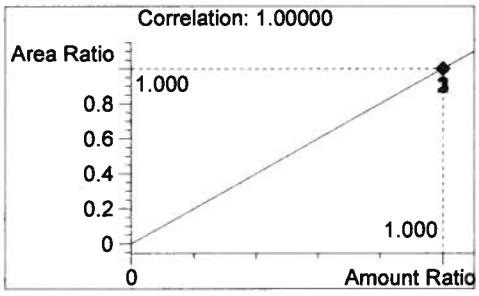
vial # 11



#	Compound	Area	RT
1	Ethanol	1170	1.041
2	n-Propanol	2835	1.706
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

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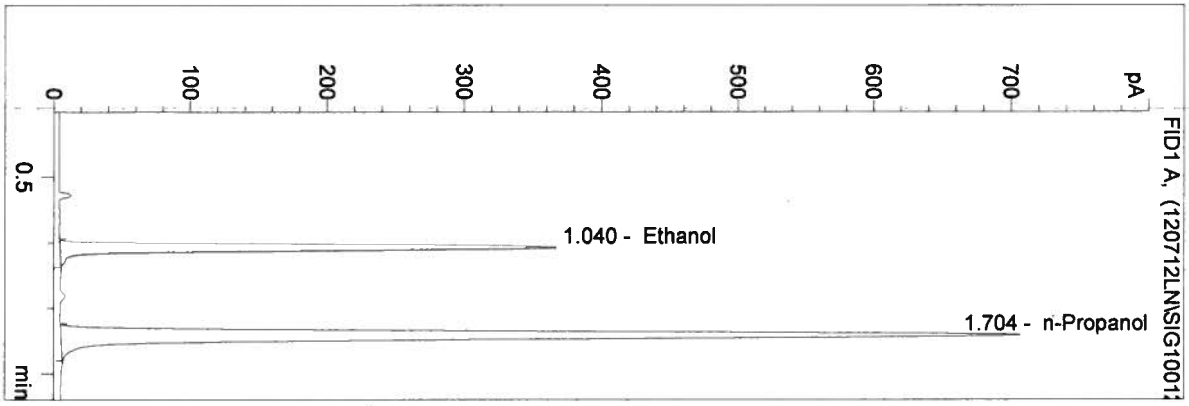
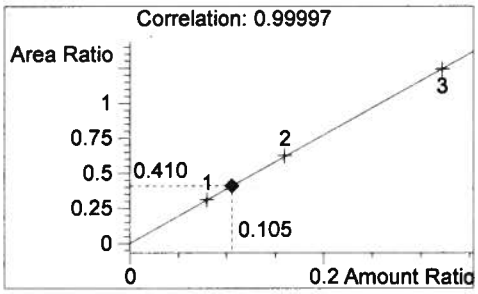
7/12/2012 10:06:13 AM
Instrument 1
DB-ALC1

12026 #3
Lisa Noble

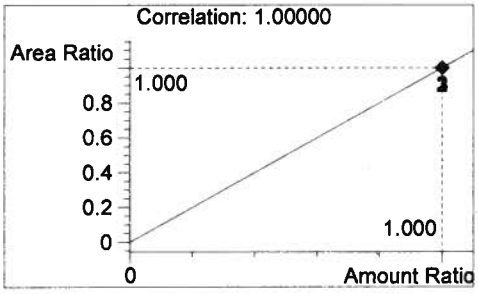
vial # 12



#	Compound	Area	RT
1	Ethanol	1143	1.040
2	n-Propanol	2789	1.704
Tot			



Ethanol 0.105 g/100 mL



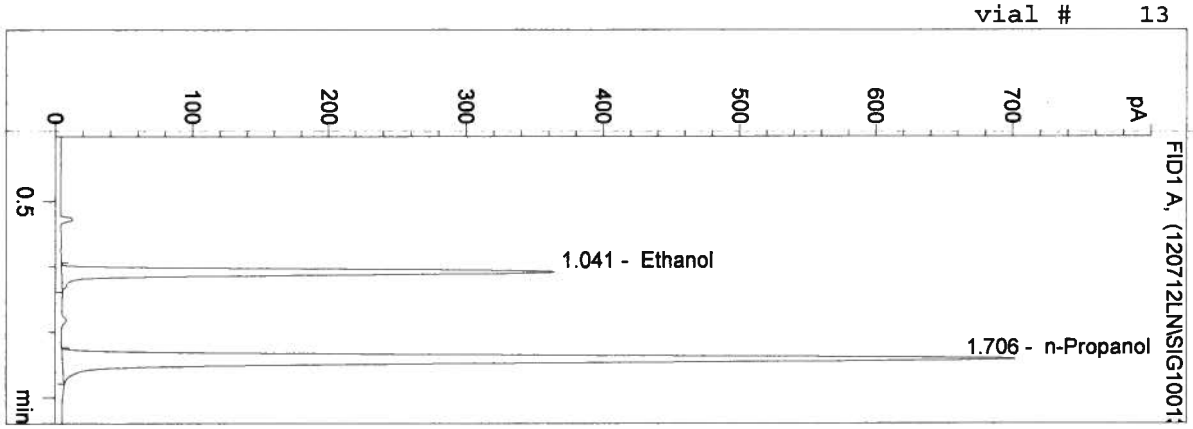
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

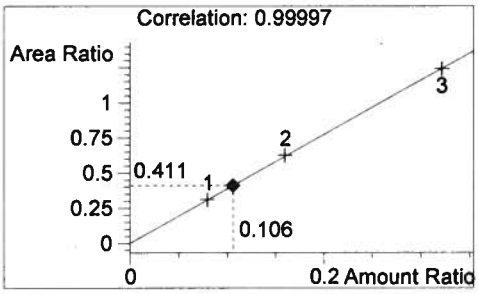
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 10:09:18 AM
Instrument 1
DB-ALC1

12026 #4
Lisa Noble

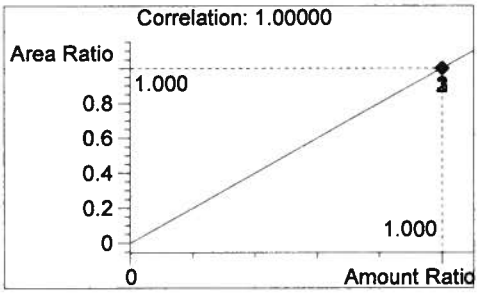
vial # 13



#	Compound	Area	RT
1	Ethanol	1136	1.041
2	n-Propanol	2766	1.706
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

fn

WASHINGTON STATE TOXICOLOGY LABORATORY

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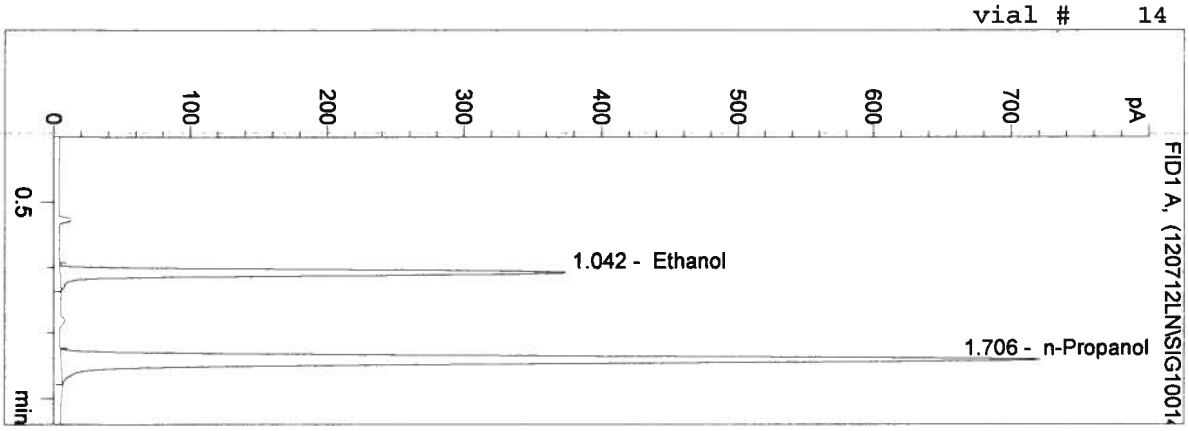
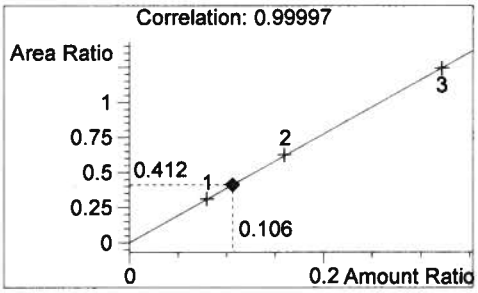
7/12/2012 10:12:23 AM
Instrument 1
DB-ALC1

12026 #5
Lisa Noble

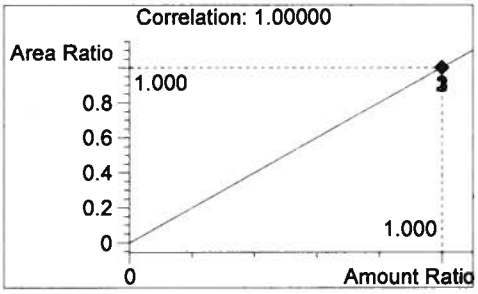
vial # 14



#	Compound	Area	RT
1	Ethanol	1170	1.042
2	n-Propanol	2838	1.706
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

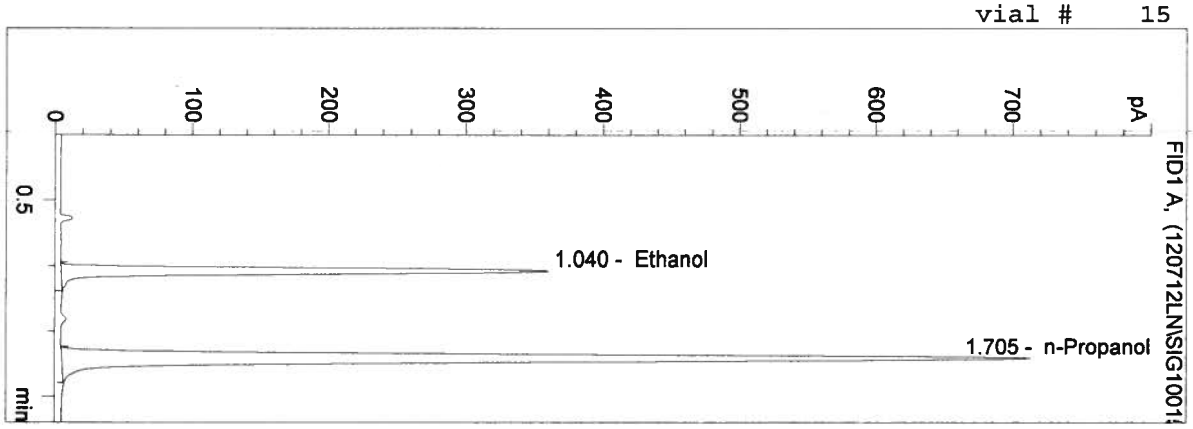
ln

WASHINGTON STATE TOXICOLOGY LABORATORY

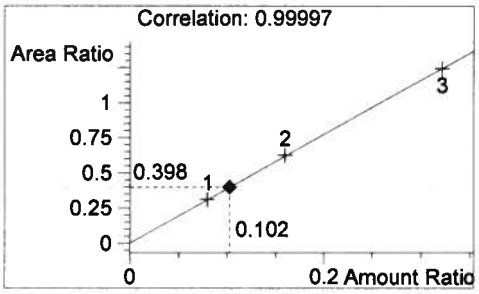
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 10:15:27 AM
Instrument 1
DB-ALC1

0.10 CTRL - LN
Lisa Noble

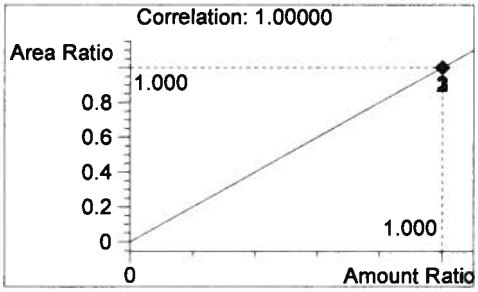
vial # 15



#	Compound	Area	RT
1	Ethanol	1119	1.040
2	n-Propanol	2814	1.705
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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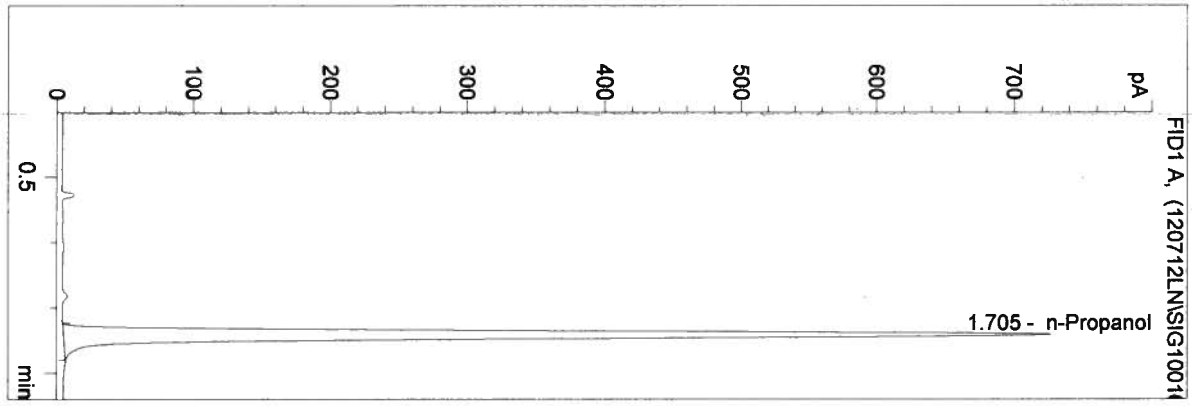
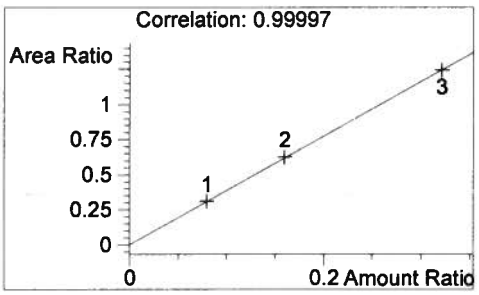
7/12/2012 10:18:32 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

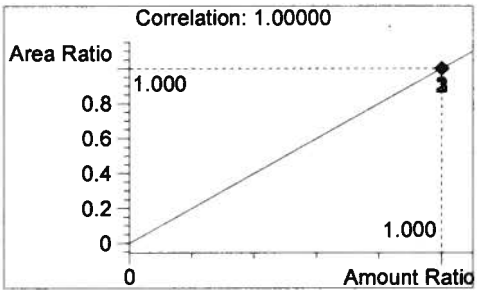
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2859	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

Ln

12026

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

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:	120712C2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

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

12026

CJ

16 Vial 16

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 12026 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 12026 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 12026 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 12026 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 12026 #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		

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!

12026

Calibration Table

Calib. Data Modified : Thursday, July 12, 2012 6:18:16 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
1.040	1	1	7.97000e-2	867.85925	9.18352e-5	1		Ethanol
		2	1.59870e-1	1744.19568	9.16583e-5			
		3	3.21590e-1	3588.97534	8.96050e-5			
1.704	1	1	1.00000	2475.17871	4.04011e-4	I1		n-Propanol
		2	1.00000	2522.23413	3.96474e-4			
		3	1.00000	2576.47974	3.88126e-4			

Peak Sum Table

No Entries in table

12026

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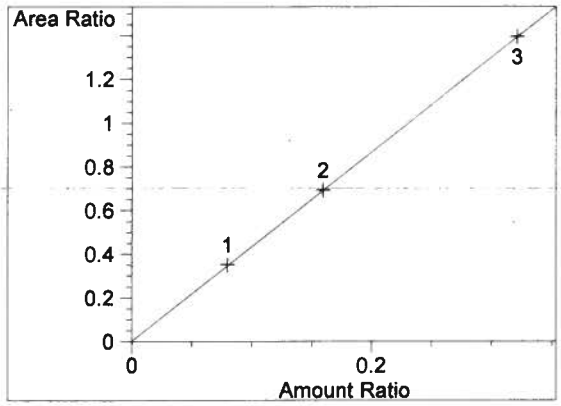
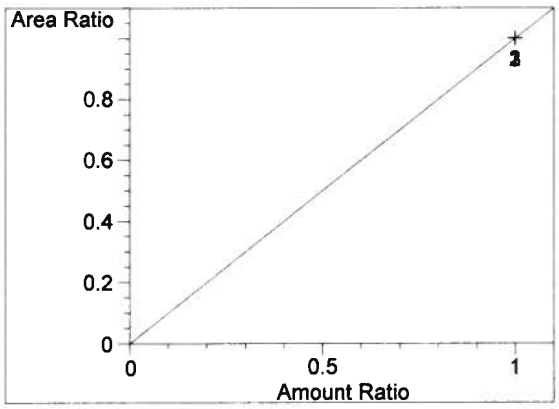
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00339
Formula: y = mx + b
m: 4.32542
b: 1.96961e-3
x: Amount Ratio
y: Area Ratio



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

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12026

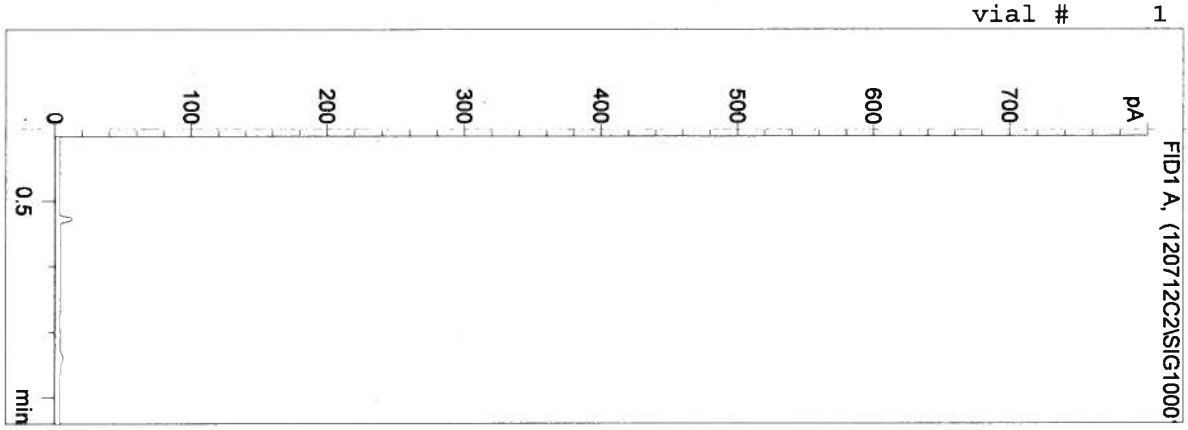
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

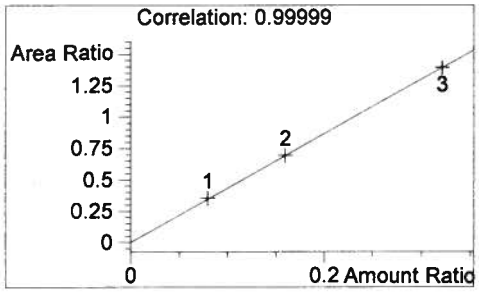
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 6:06:48 PM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

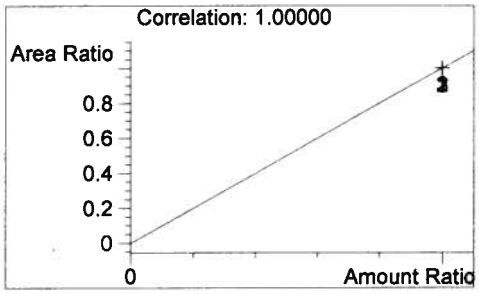
vial # 1



#	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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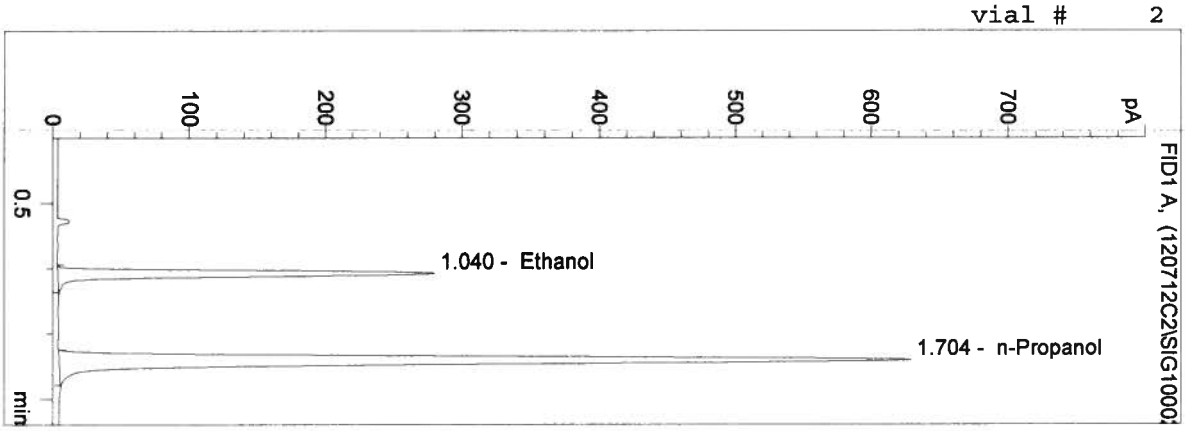
WASHINGTON STATE TOXICOLOGY LABORATORY

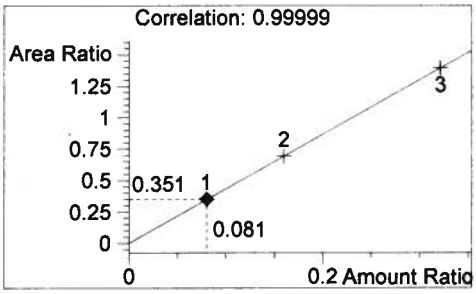
C:\HPCHEM\1\METHODS\SIMALC1.M
7/12/2012 6:09:53 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

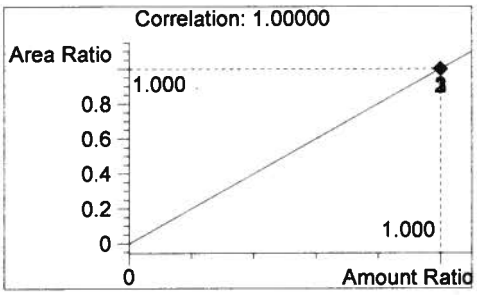
vial # 2



#	Compound	Area	RT
1	Ethanol	868	1.040
2	n-Propanol	2475	1.704
Tot			



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

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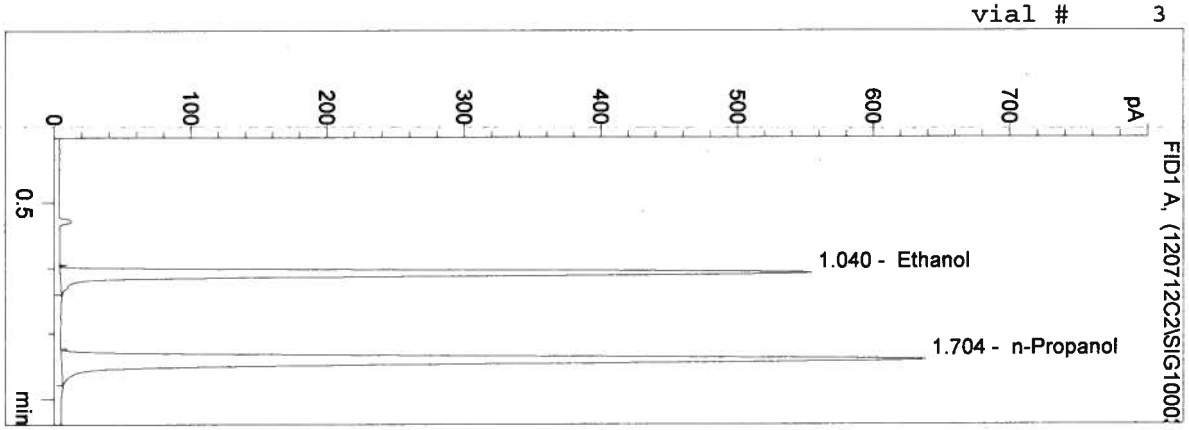
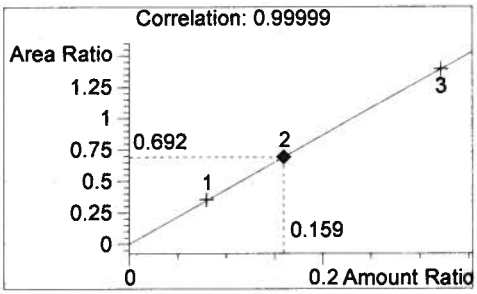
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

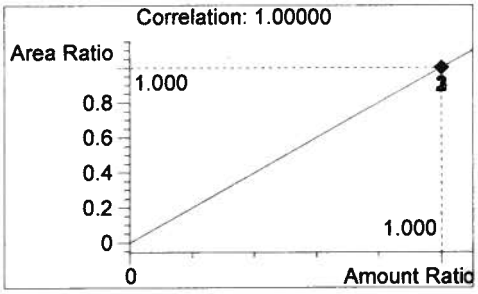
vial # 3



#	Compound	Area	RT
1	Ethanol	1744	1.040
2	n-Propanol	2522	1.704
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

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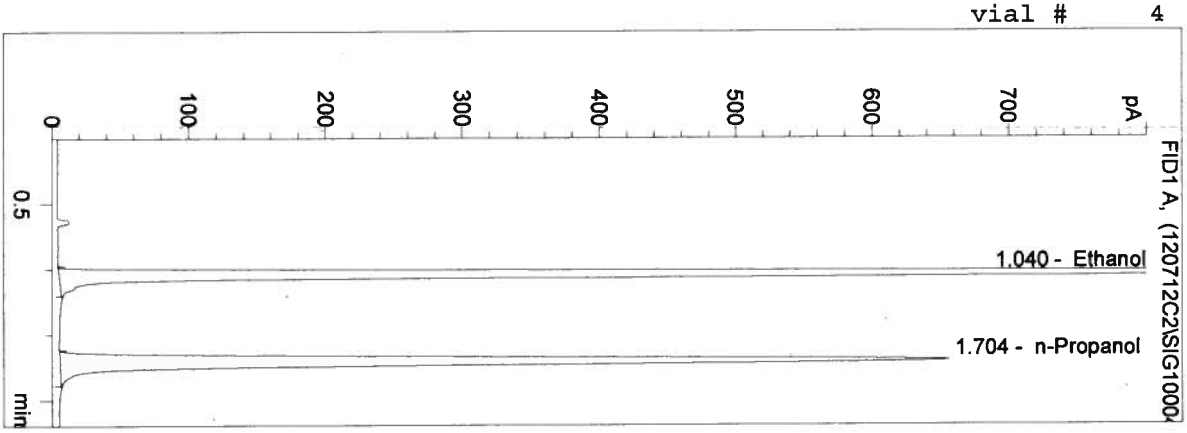
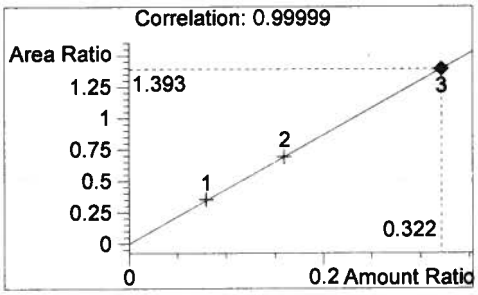
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

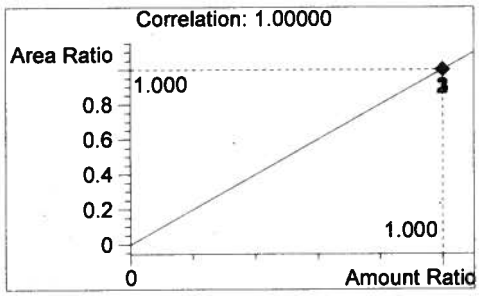
vial # 4



#	Compound	Area	RT
1	Ethanol	3589	1.040
2	n-Propanol	2576	1.704
Tot			



Ethanol 0.322 g/100 mL



n-Propanol 1.000 g/100 mL

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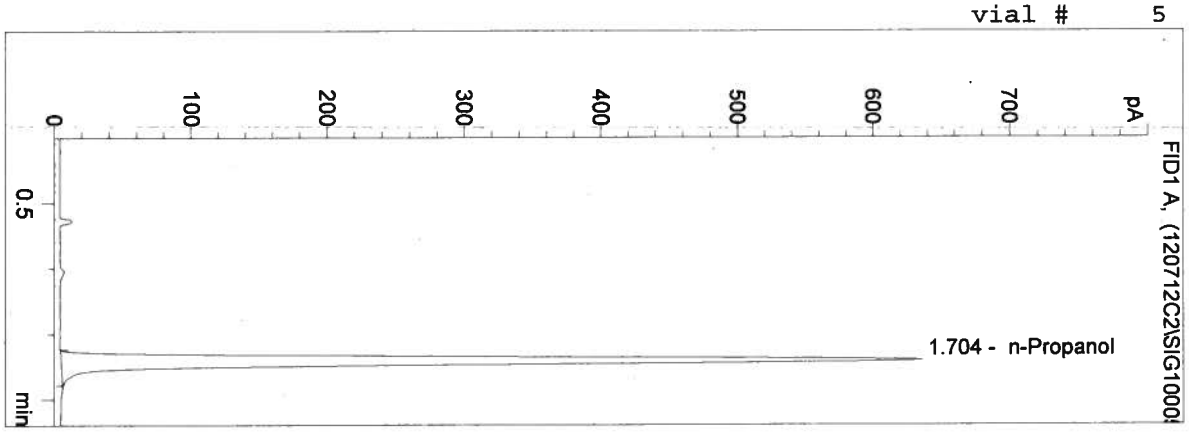
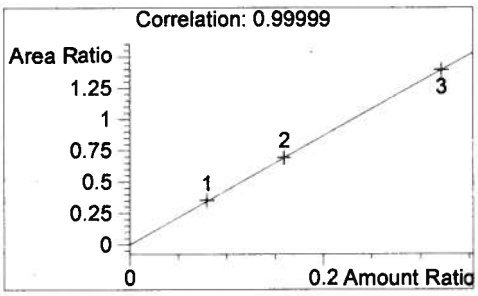
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

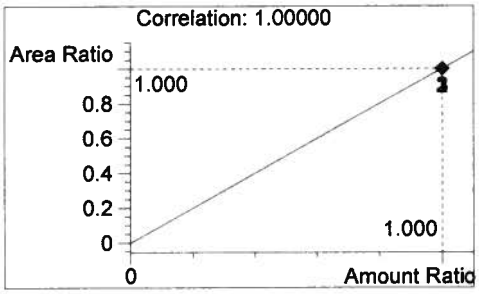
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2509	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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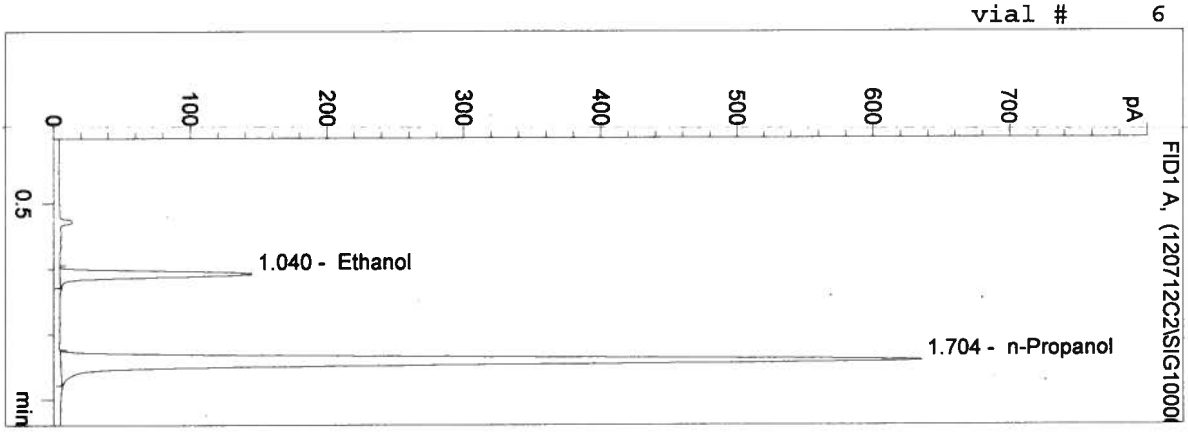
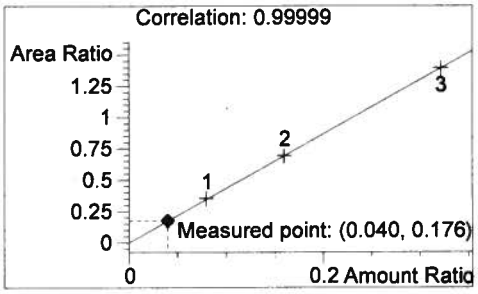
Instrument 1
DB-ALC1

0.04 CTRL-CJ
Chris Johnston

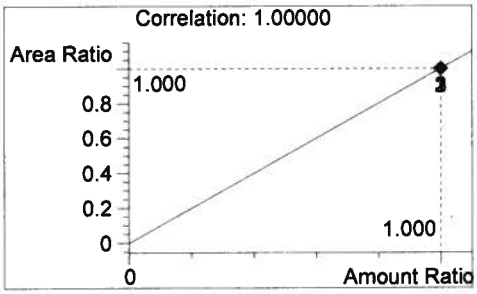
vial # 6



#	Compound	Area	RT
1	Ethanol	441	1.040
2	n-Propanol	2507	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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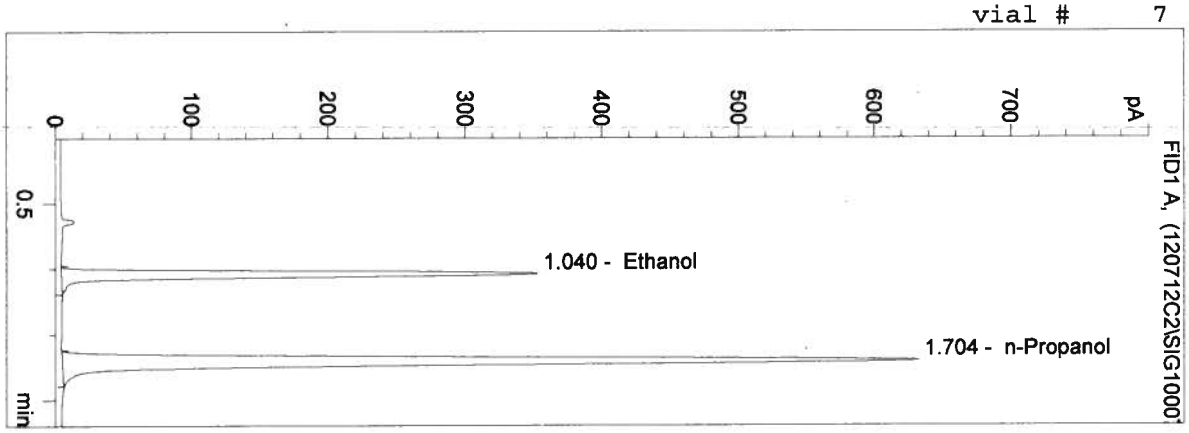
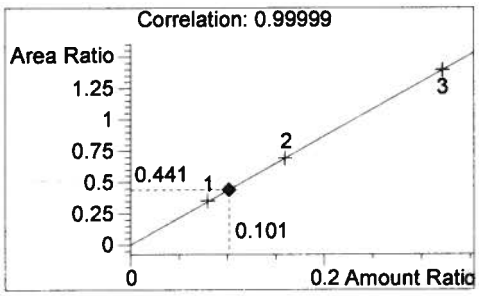
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

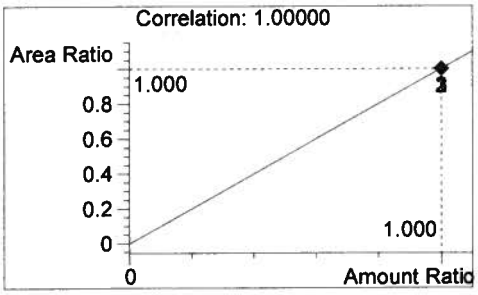
vial # 7



#	Compound	Area	RT
1	Ethanol	1100	1.040
2	n-Propanol	2496	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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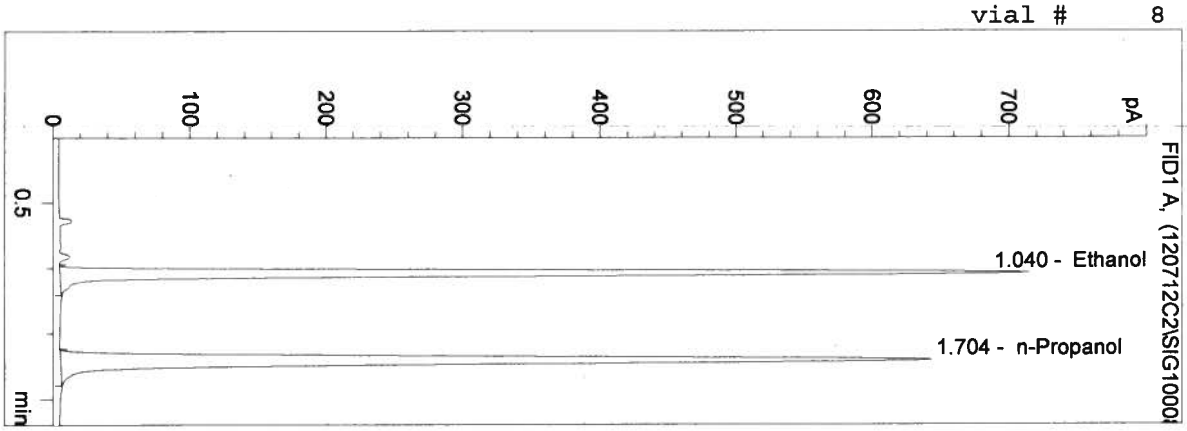
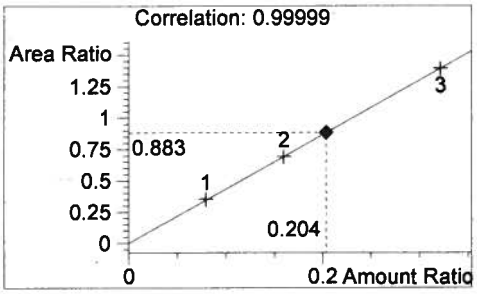
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

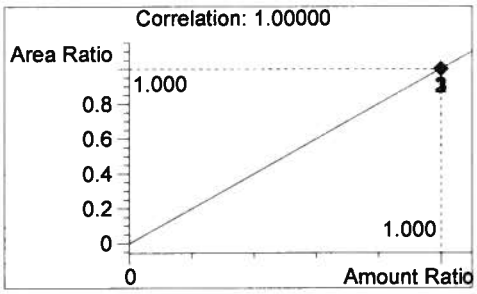
vial # 8



#	Compound	Area	RT
1	Ethanol	2230	1.040
2	n-Propanol	2526	1.704
Tot			



Ethanol 0.204 g/100 mL



n-Propanol 1.000 g/100 mL

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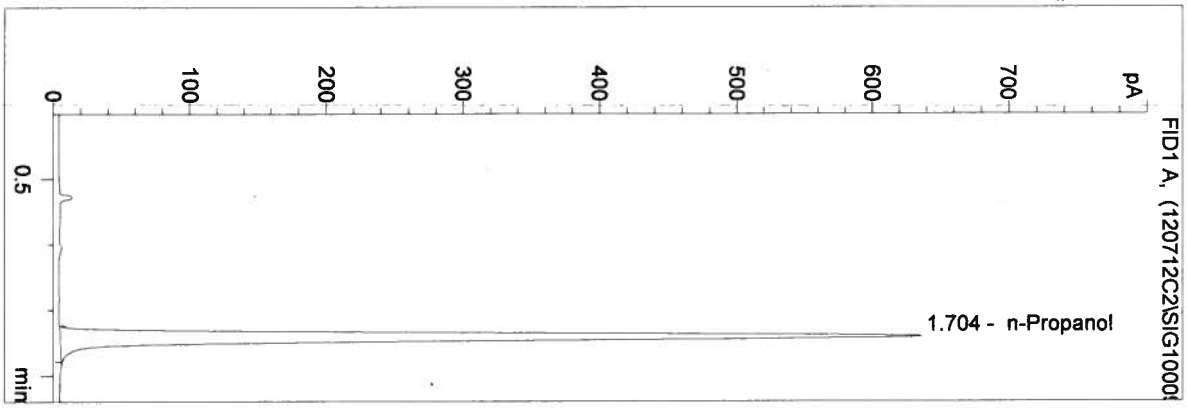
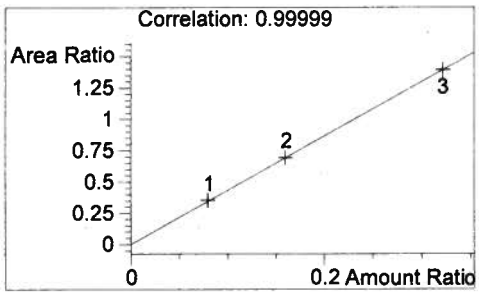
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

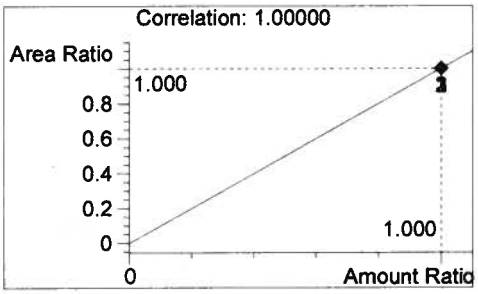
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2516	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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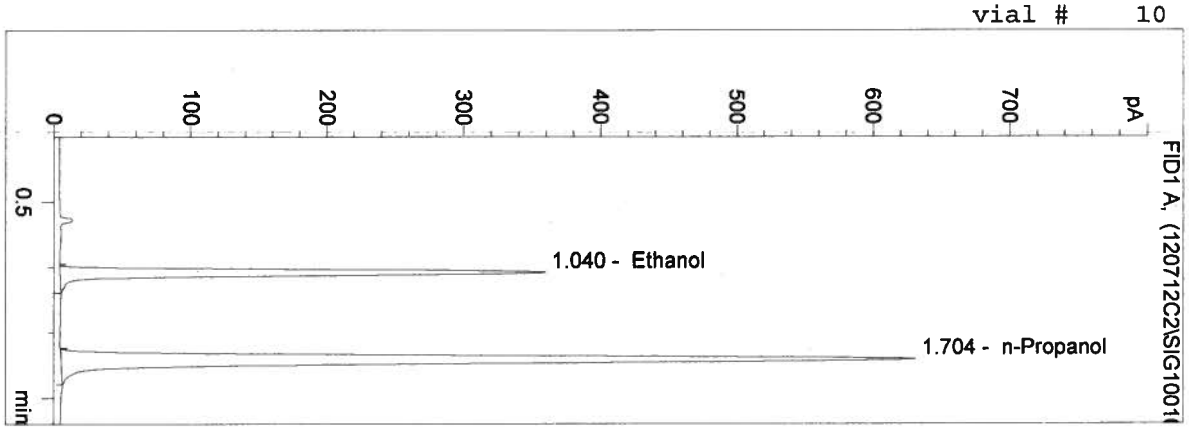
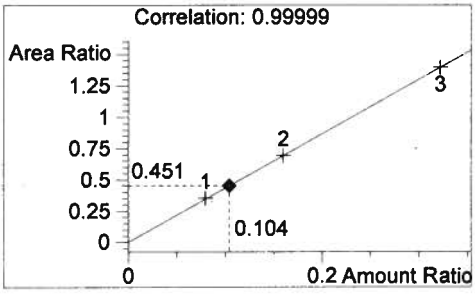
Instrument 1
DB-ALC1

ESS 12026 #1
Chris Johnston

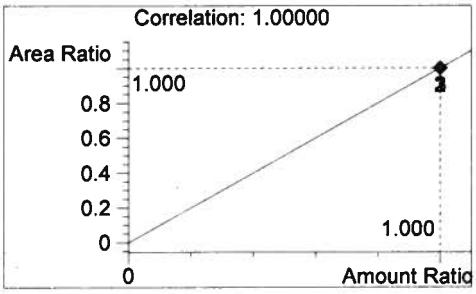
vial # 10



#	Compound	Area	RT
1	Ethanol	1121	1.040
2	n-Propanol	2486	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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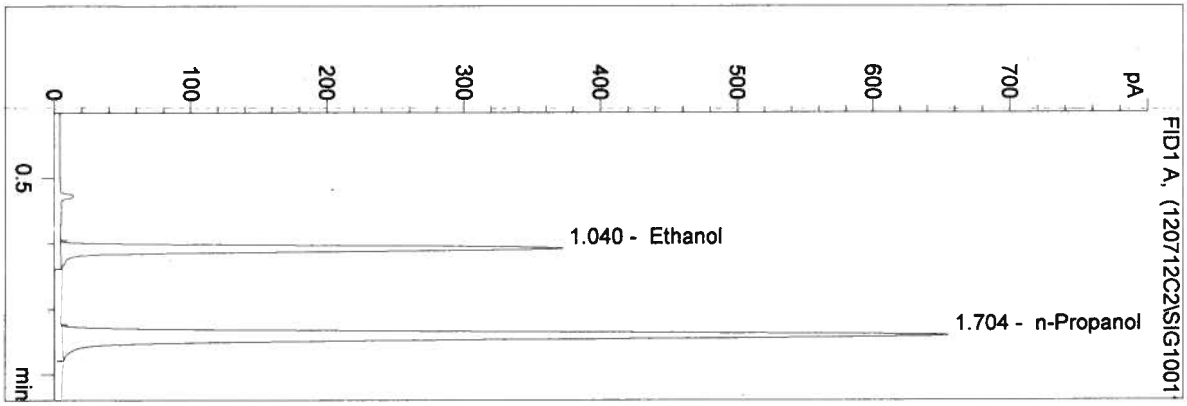
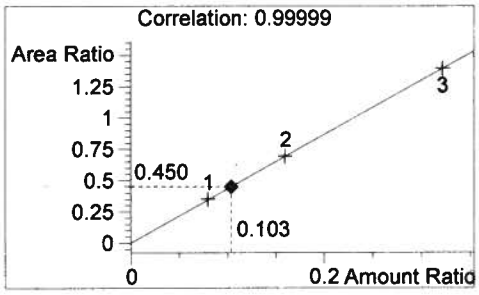
Instrument 1
DB-ALC1

ESS 12026 #2
Chris Johnston

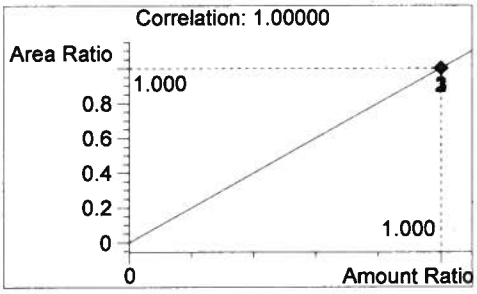
vial # 11



#	Compound	Area	RT
1	Ethanol	1162	1.040
2	n-Propanol	2584	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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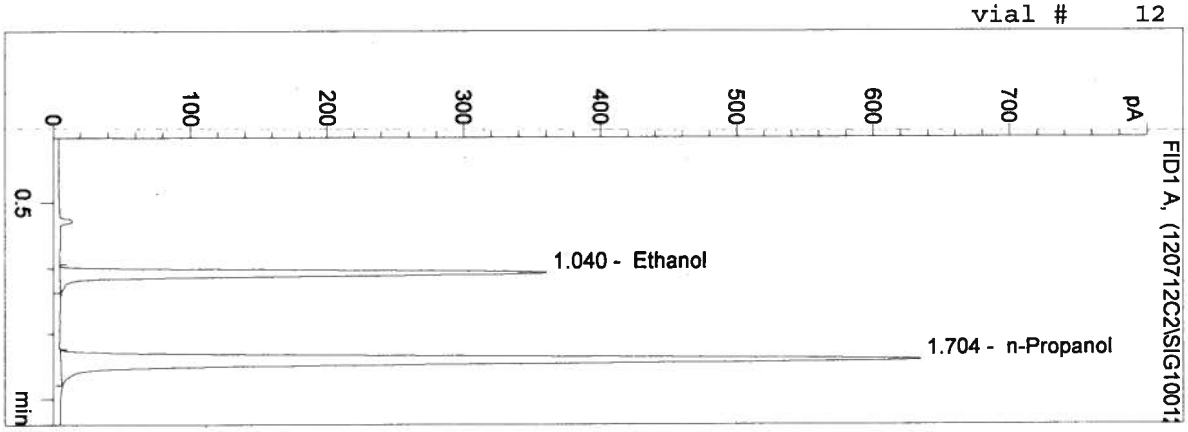
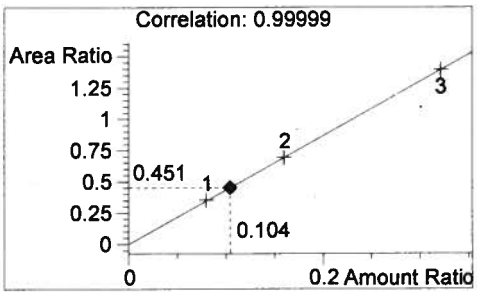
Instrument 1
DB-ALC1

ESS 12026 #3
Chris Johnston

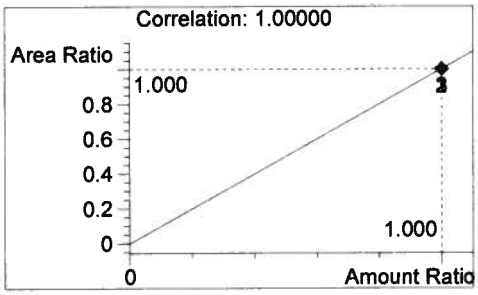
vial # 12



#	Compound	Area	RT
1	Ethanol	1134	1.040
2	n-Propanol	2514	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

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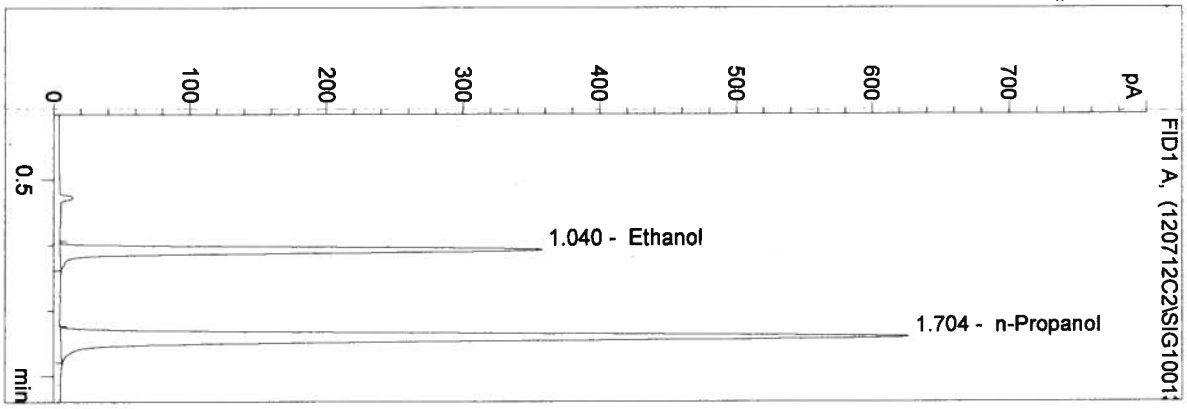
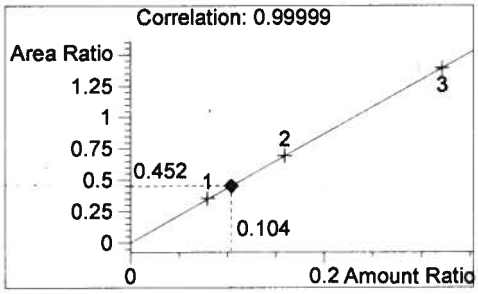
Instrument 1
DB-ALC1

ESS 12026 #4
Chris Johnston

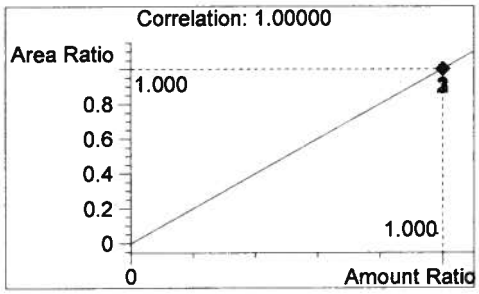
vial # 13



#	Compound	Area	RT
1	Ethanol	1120	1.040
2	n-Propanol	2477	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

C/

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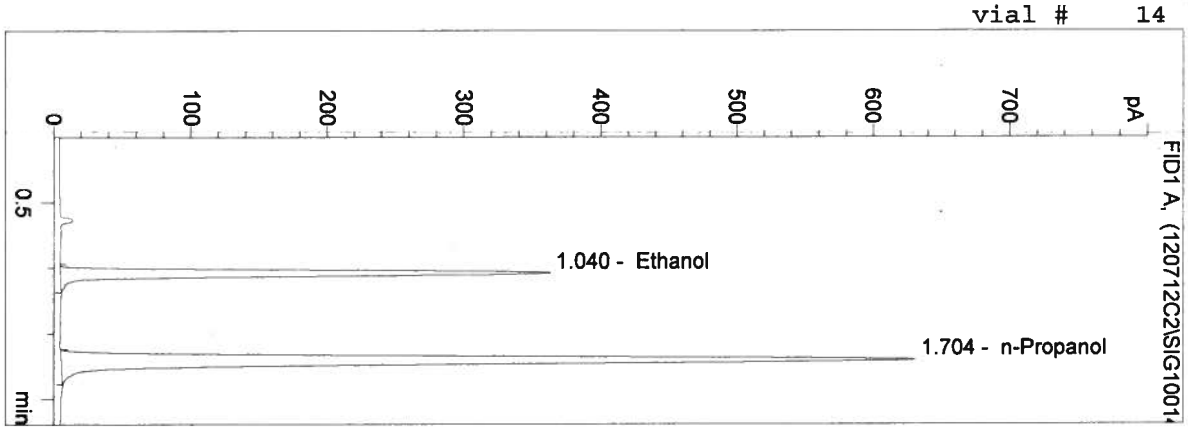
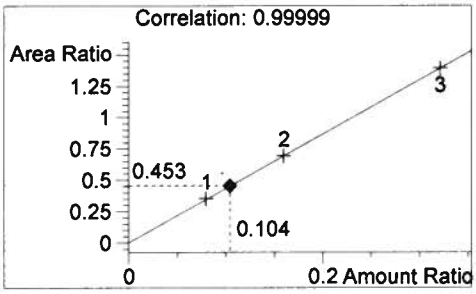
Instrument 1
DB-ALC1

ESS 12026 #5
Chris Johnston

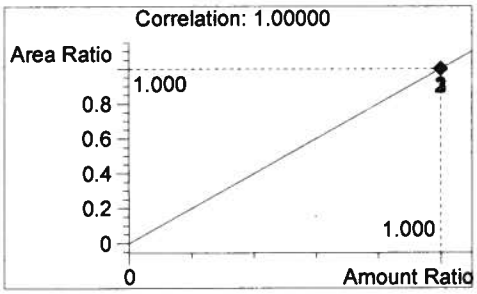
vial # 14



#	Compound	Area	RT
1	Ethanol	1125	1.040
2	n-Propanol	2481	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

a/

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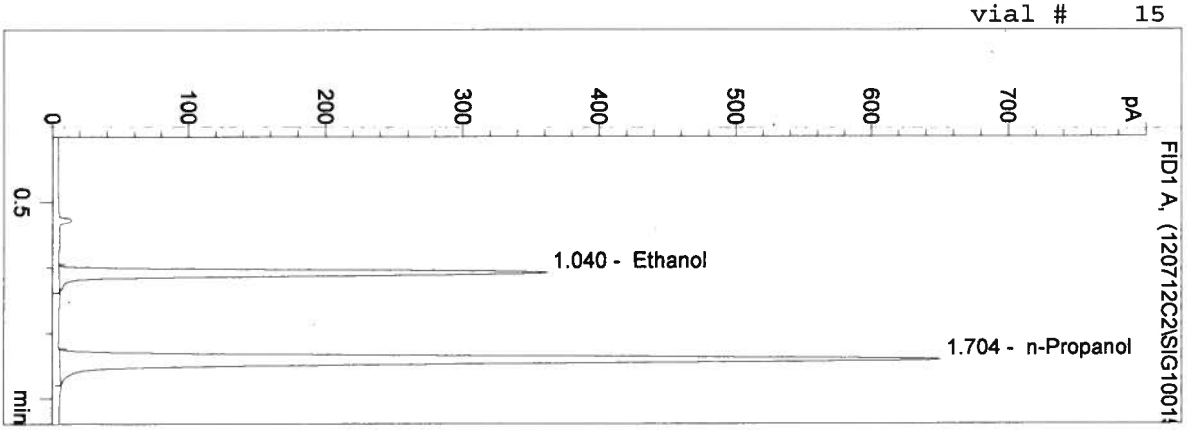
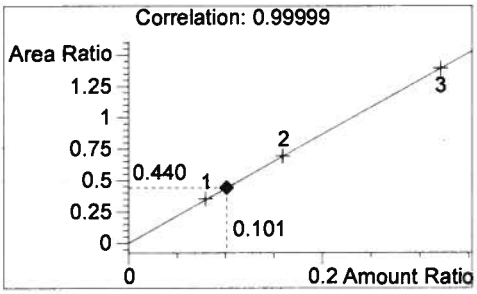
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

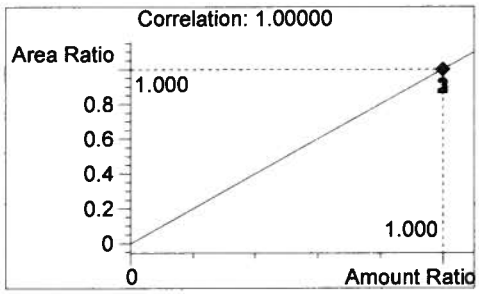
vial # 15



#	Compound	Area	RT
1	Ethanol	1127	1.040
2	n-Propanol	2560	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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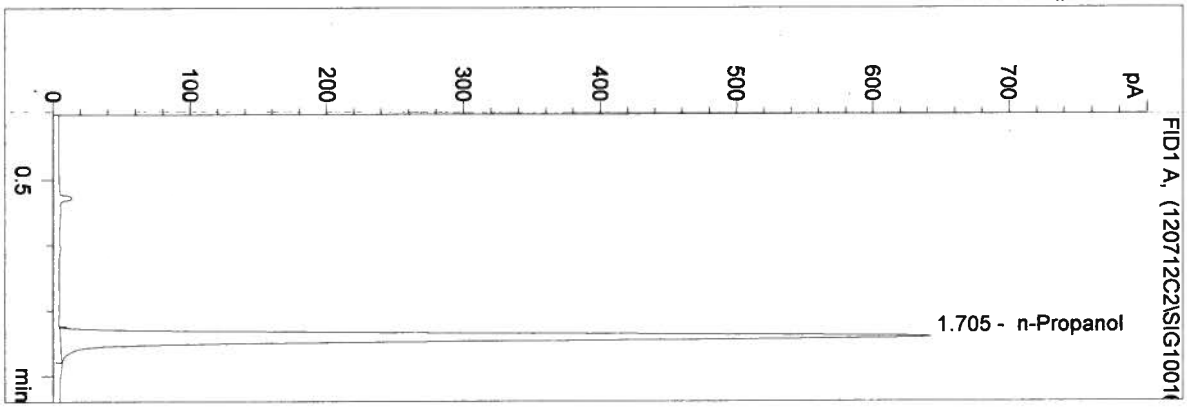
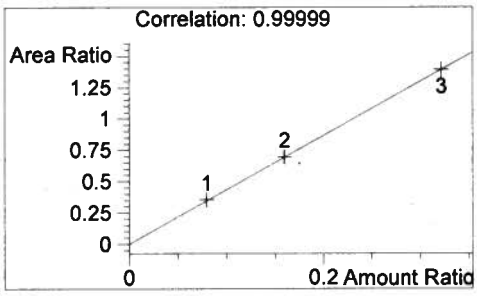
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

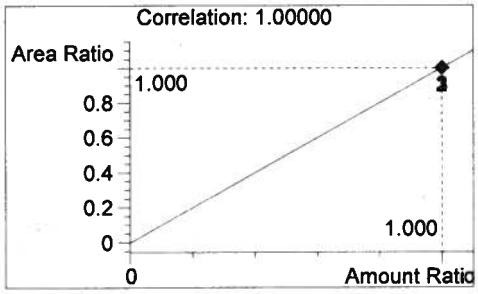
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2530	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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