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: 12022

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 05/15/2012
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Justin L. Knoy

	JLK	DC	RF	AJL	CSJ	SS	CM	BP
1	0.103	0.103	0.103	0.101	0.101	0.102	0.102	0.104
2	0.102	0.102	0.103	0.103	0.104	0.104	0.102	0.103
3	0.103	0.106	0.102	0.103	0.104	0.102	0.102	0.102
4	0.103	0.105	0.102	0.102	0.101	0.104	0.102	0.102
5	0.102	0.103	0.103	0.101	0.104	0.103	0.102	0.103
C	0.101	0.103	0.102	0.099	0.101	0.102	0.101	0.103

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1027 g/100mL
STANDARD DEVIATION: 0.00109
PRECISION CV (%): 1.06
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0835 g/210L**
EXPANDED UNCERTAINTY: ± 0.0032 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5 5-30-2012
Melissa L. Pemberton — Forensic Scientist Supervisor — DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		05/15/2012
DC	Dawn Cox		05/16/2012
RF	Rebecca Flaherty		05/16/2012
AJL	Asa J. Louis		05/16/2012
CSJ	Christopher S. Johnston		05/16/2012
SS	Sarah Swenson		05/21/2012
CM	Christie Mitchell-Mata		05/21/2012
BP	Brianna Peterson		05/22/2012

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 #: 12022 **Date Prepared:** 5/15/2012

Analyst:	JLK	DC	RF	AJL	CSJ	SS	CM	BP
Date Tested:	5/15/2012	5/16/2012	5/16/2012	5/16/2012	5/16/2012	5/21/2012	5/21/2012	5/22/2012
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.103	0.103	0.103	0.101	0.101	0.102	0.102	0.104
2	0.102	0.102	0.103	0.103	0.104	0.104	0.102	0.103
3	0.103	0.106	0.102	0.103	0.104	0.102	0.102	0.102
4	0.103	0.105	0.102	0.102	0.101	0.104	0.102	0.102
5	0.102	0.103	0.103	0.101	0.104	0.103	0.102	0.103
C	0.101	0.103	0.102	0.099	0.101	0.102	0.101	0.103

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0001128009	0.0001663992	0.0001016326

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

Average Solution Concentration: 0.1027 g/100mL
Standard Deviation: 0.00109 g/100mL
Precision CV (%): 1.06
Equivalent Vapor Concentration: 0.0835 g/210L
Combined Standard Uncertainty (±): 0.0016 g/210L
Expanded Uncertainty (±): 0.0032 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton Melissa L. Pemberton 5-22-2012
Name Signature Date

Calculations verified by: Jason Skeeran 5-29-12 Method: Hand Calculator
Name Signature Date

Technical review of batch file performed by:
Melissa L. Pemberton Melissa L. Pemberton 5-23-12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKUBROV **Date:** MAY 29, 2012

Location: WSP-FLSB; SEATTLE, WA **Solution Batch Number:** 12022

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

Comments:

Reviewer Signature: (SKUBROV) **Date:** 5-29-12

Reviewer Signature: N/A (JMB) 5/29/12 **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	AL	2012May22
Brian Capron		
Brianna Peterson	BP	5/22/12
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell-Mata	CM	5/23/12
Christopher Johnston	CJ	5/23/12
Dawn Cox	DC	5.23.12
Justin Knoy	JK	5.22.12
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	5.22.12
Sarah Swenson	SMS	5/23/12

Batch # 12022

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 12022

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 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

5.22.12

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 12022

I, Dawn Cox, do certify under penalty of perjury that:

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

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

The external standard solution, Lot Number 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

Dawn Cox 5·23·12

Dawn Cox Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12022

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 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

5.22.2012

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12022

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 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

2012 MAY 22

Asa J. Louis — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12022

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 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

5/23/2012

Christopher S. Johnston — Date

Forensic Toxicologist

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12022

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 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

5/23/12

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 12022

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 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

Christie Mitchell-Mata 5/23/2012

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 12022

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 12022, was prepared in the Washington State Toxicology Laboratory on 5/15/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/15/2013.

Seattle, WA

Brianna Peterson 5/22/12

Brianna Peterson Date

Forensic Toxicologist

WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 5-15-12 Initials of Preparer: JK

Expiration Date: 5-15-13

Lot # of 200-proof Ethanol used in preparation: ZW 6039

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

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.0	18	☐	
ESS	66.5	52	☑	12022

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 5-15-12 Date

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

Comments:

Analyst Signature 5-15-12 Date

Sequence: C:\HPCHEM\2\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:	120515JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0412-01
3	Vial 3	E0412-02
4	Vial 4	E0412-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	

12022

16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL 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	12022-1	SIMALC1	1	Sample		
11	Vial 11	12022-2	SIMALC1	1	Sample		
12	Vial 12	12022-3	SIMALC1	1	Sample		
13	Vial 13	12022-4	SIMALC1	1	Sample		
14	Vial 14	12022-5	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	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!

12022

Calibration Table

Calib. Data Modified : Tuesday, May 15, 2012 3:25:14 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.91800e-2	891.16235	8.88503e-5	1		Ethanol
		2	1.59320e-1	1782.96924	8.93566e-5			
		3	3.16260e-1	3425.90405	9.23143e-5			
1.705	1	1	1.00000	2504.14087	3.99339e-4	I1		n-Propanol
		2	1.00000	2522.57031	3.96421e-4			
		3	1.00000	2460.39478	4.06439e-4			

Peak Sum Table

No Entries in table

12022

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Calibration Curves

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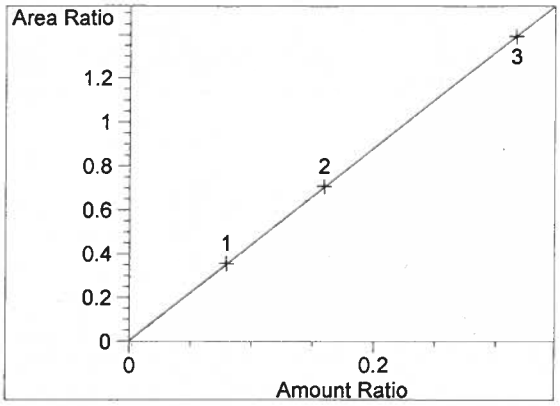
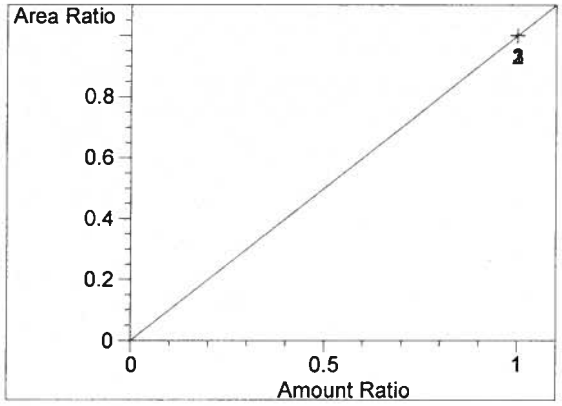


Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00446
Formula: y = mx + b
m: 4.39689
b: 3.97061e-3
x: Amount Ratio
y: Area Ratio



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

==========

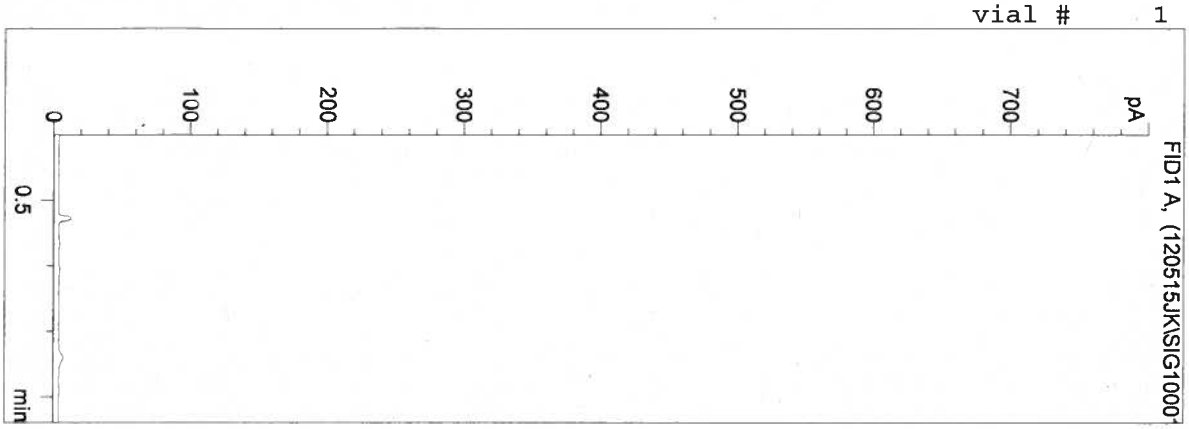
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

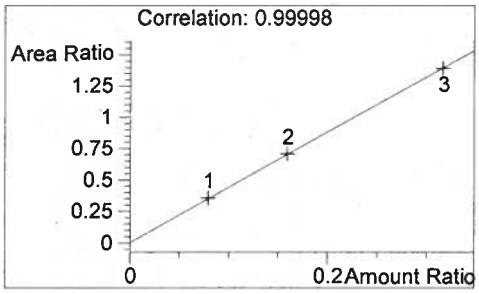
C:\HPCHEM\1\METHODS\SIMALC1.M
5/15/2012 3:13:47 PM
Instrument 1
DB-ALC1

BLANK
Justin Knoy

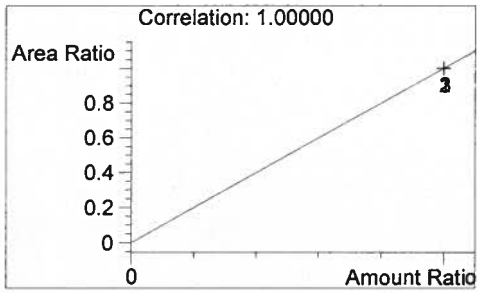
vial # 1



#	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

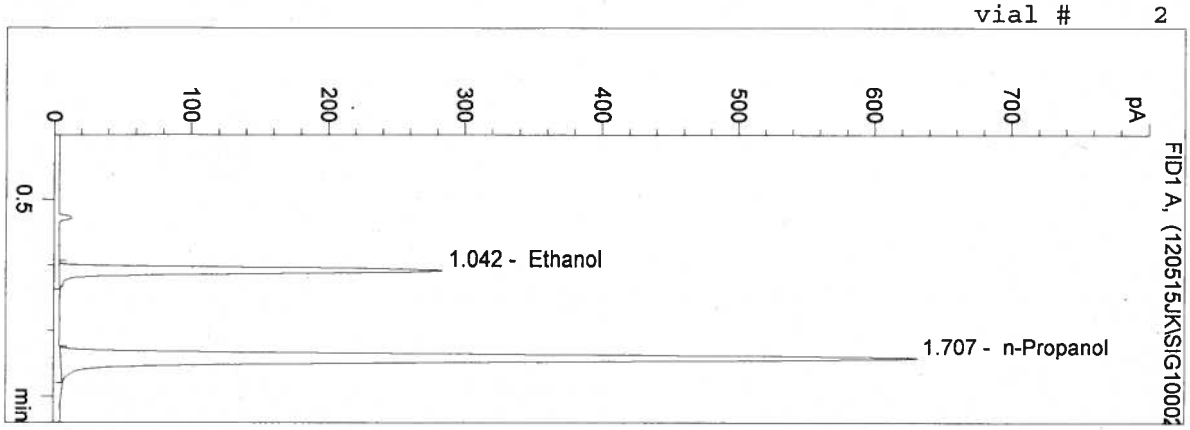
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

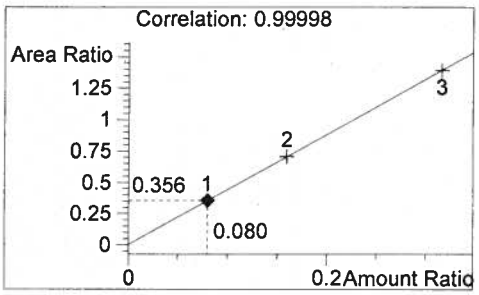
C:\HPCHEM\1\METHODS\SIMALC1.M
5/15/2012 3:16:52 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Justin Knoy

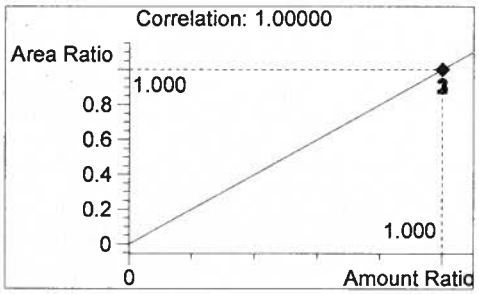
vial # 2



#	Compound	Area	RT
1	Ethanol	891	1.042
2	n-Propanol	2504	1.707
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

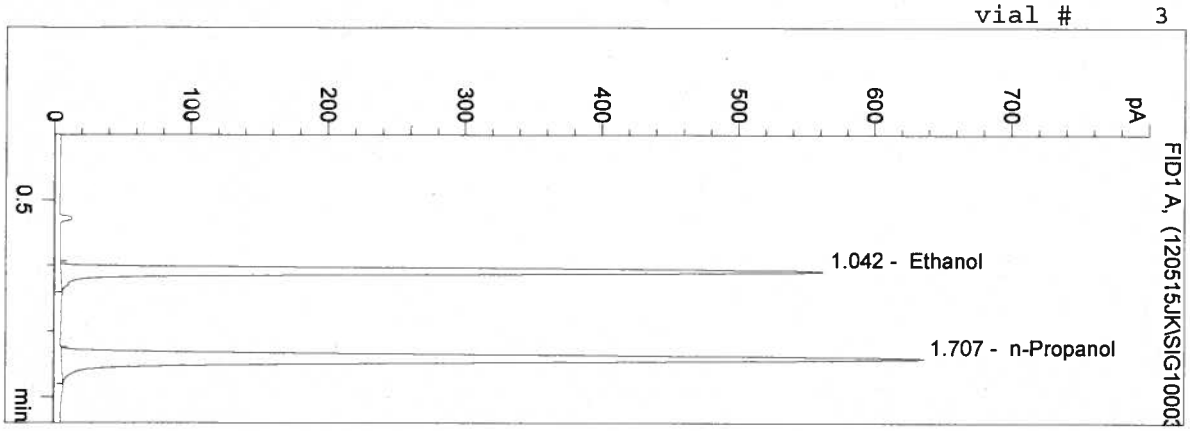
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

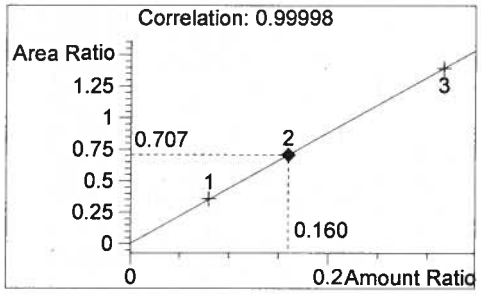
C:\HPCHEM\1\METHODS\SIMALC1.M
5/15/2012 3:19:57 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Justin Knoy

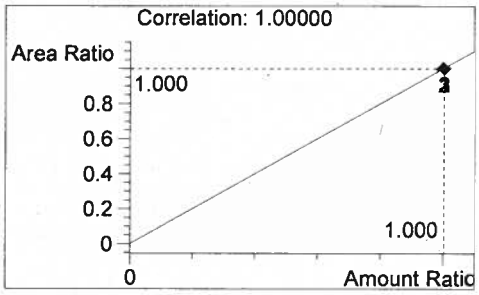
vial # 3



#	Compound	Area	RT
1	Ethanol	1783	1.042
2	n-Propanol	2523	1.707
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

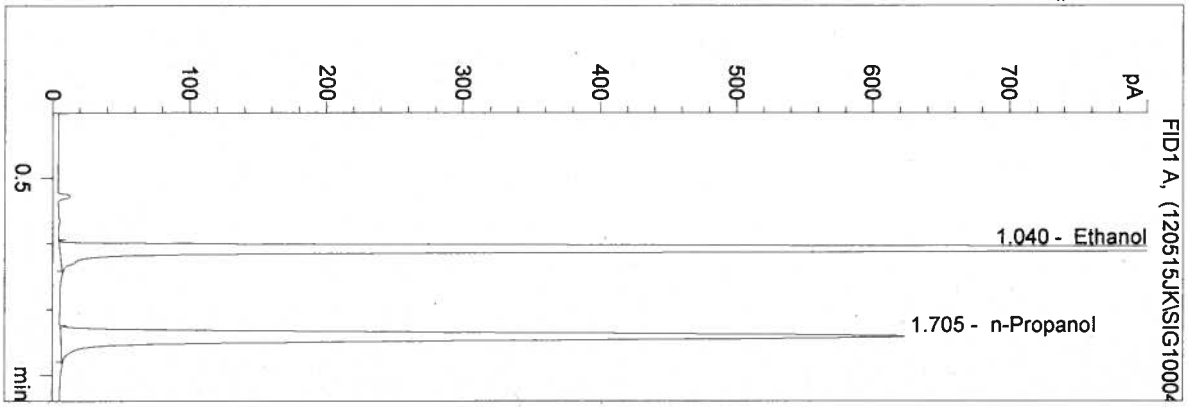
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

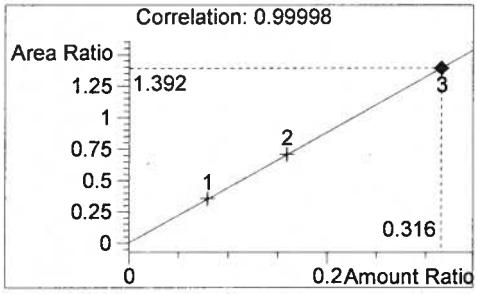
C:\HPCHEM\1\METHODS\SIMALC1.M
5/15/2012 3:23:01 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Justin Knoy

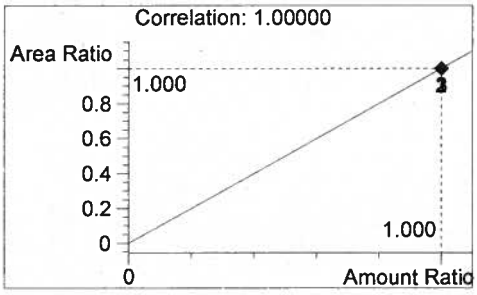
vial # 4



#	Compound	Area	RT
1	Ethanol	3426	1.040
2	n-Propanol	2460	1.705
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

12022

WASHINGTON STATE TOXICOLOGY LABORATORY

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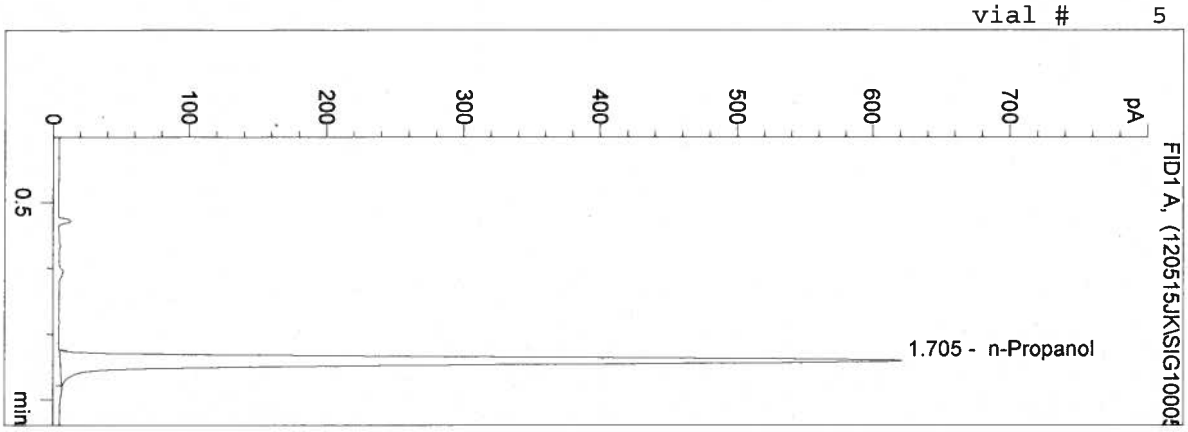
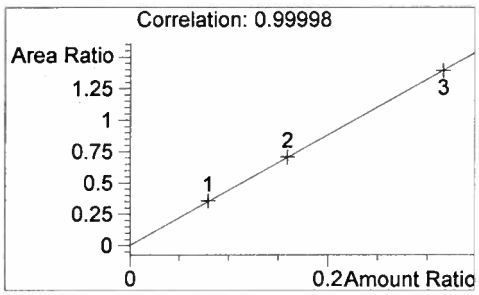
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

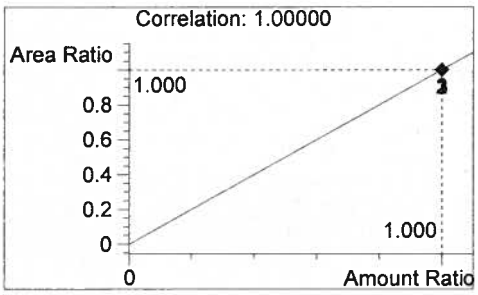
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2454	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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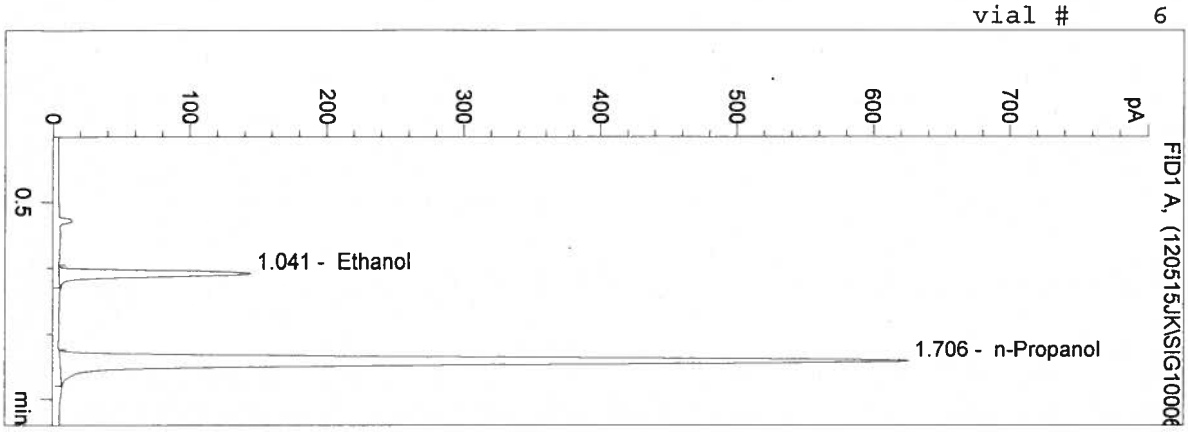
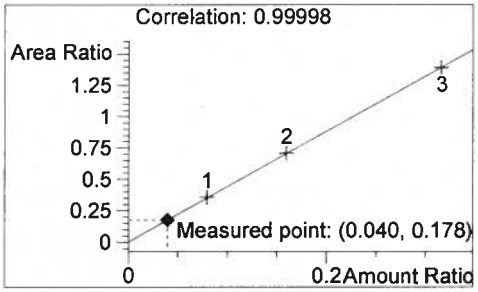
Instrument 1
DB-ALC1

0.04 CTRL JK
Justin Knoy

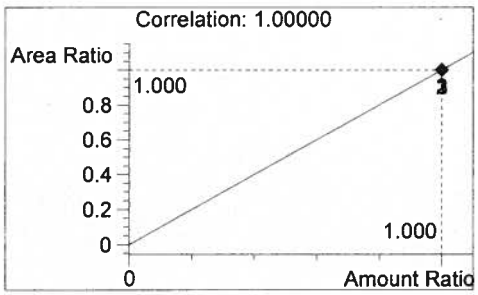
vial # 6



#	Compound	Area	RT
1	Ethanol	440	1.041
2	n-Propanol	2474	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12022

WASHINGTON STATE TOXICOLOGY LABORATORY

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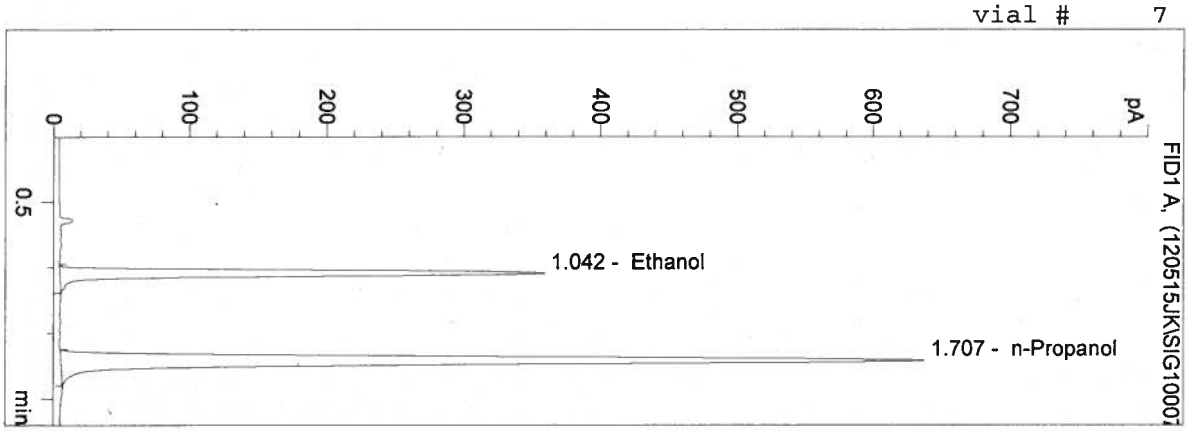
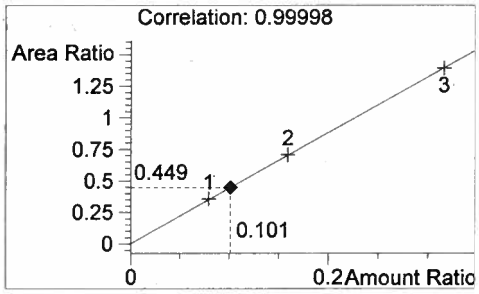
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

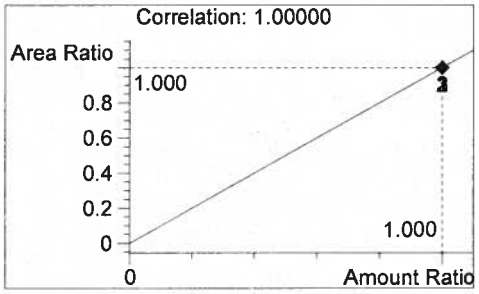
vial # 7



#	Compound	Area	RT
1	Ethanol	1134	1.042
2	n-Propanol	2526	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12022

WASHINGTON STATE TOXICOLOGY LABORATORY

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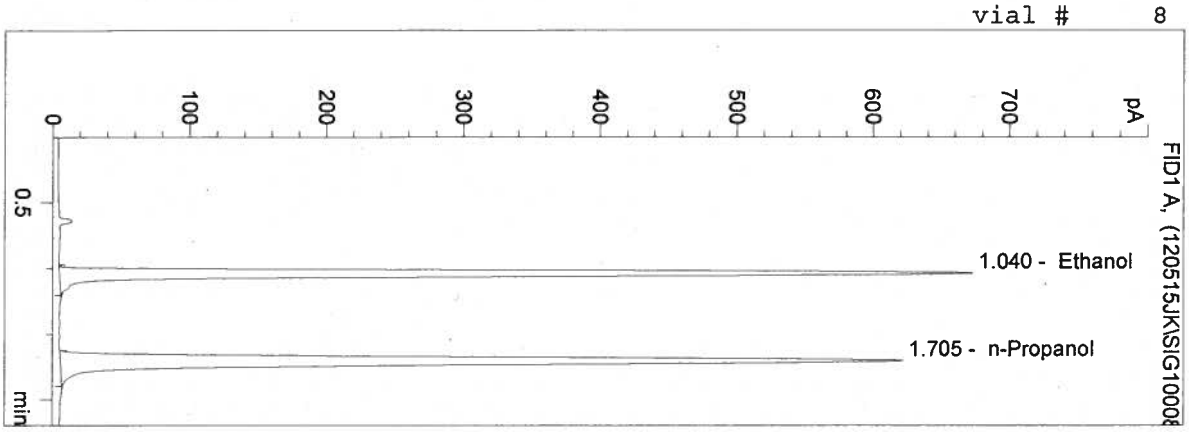
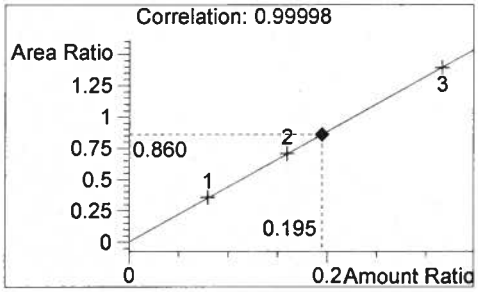
5/15/2012 3:35:20 PM
Instrument 1
DB-ALC1

0.20 CTRL JK
Justin Knoy

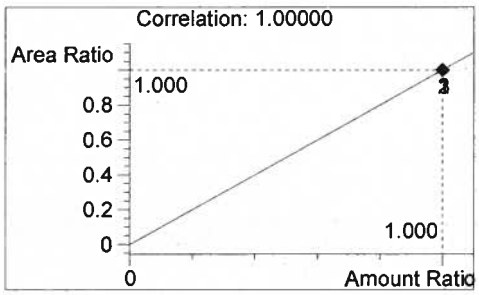
vial # 8



#	Compound	Area	RT
1	Ethanol	2108	1.040
2	n-Propanol	2452	1.705
Tot			



Ethanol 0.195 g/100 mL



n-Propanol 1.000 g/100 mL

12022

WASHINGTON STATE TOXICOLOGY LABORATORY

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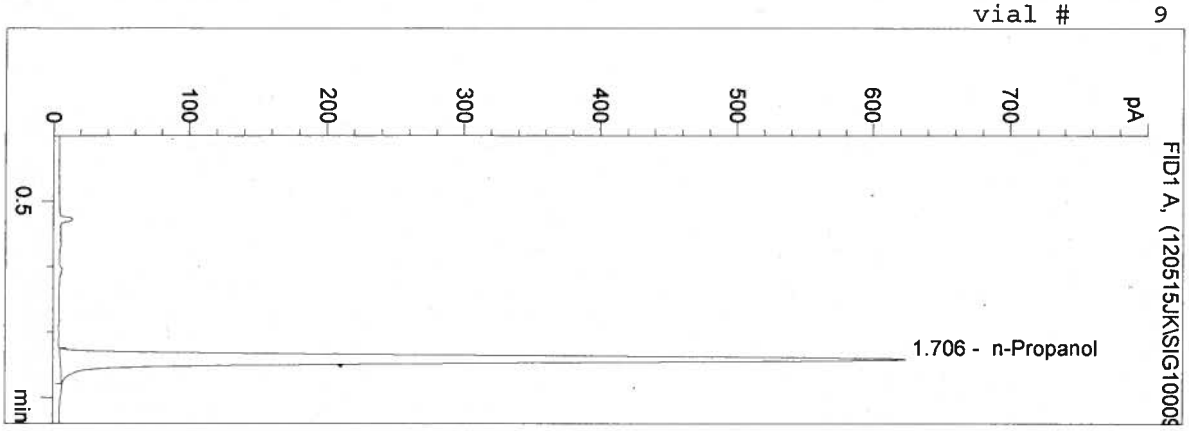
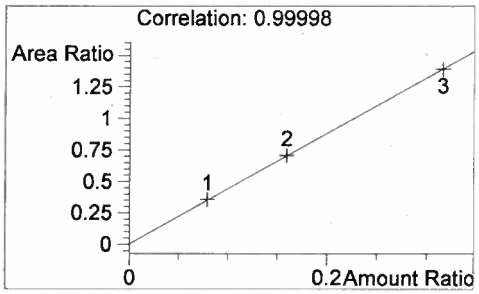
5/15/2012 3:38:25 PM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

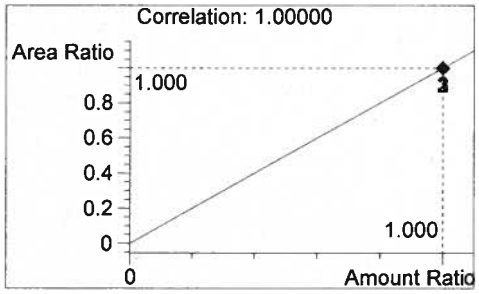
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2468	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

WASHINGTON STATE TOXICOLOGY LABORATORY

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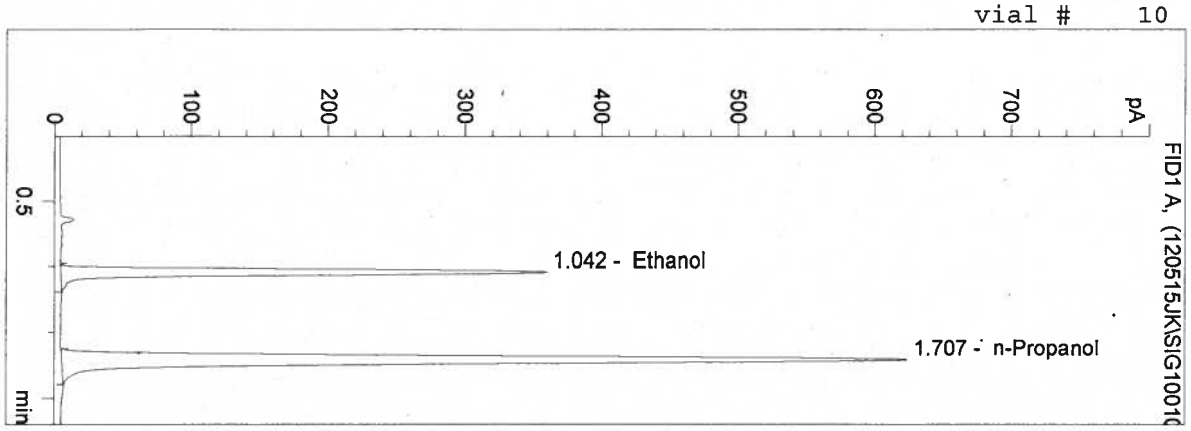
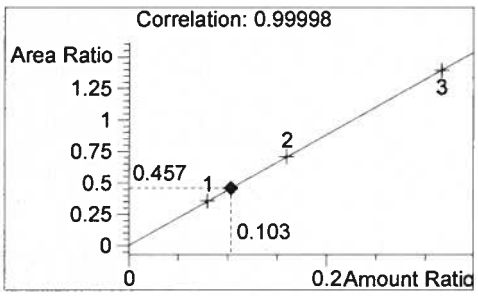
Instrument 1
DB-ALC1

12022-1
Justin Knoy

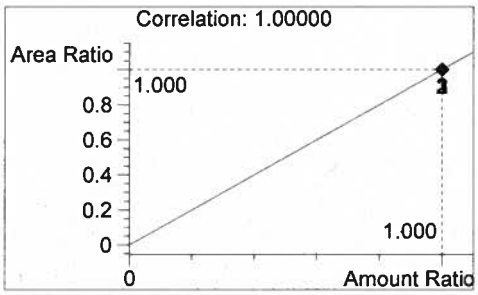
vial # 10



#	Compound	Area	RT
1	Ethanol	1128	1.042
2	n-Propanol	2468	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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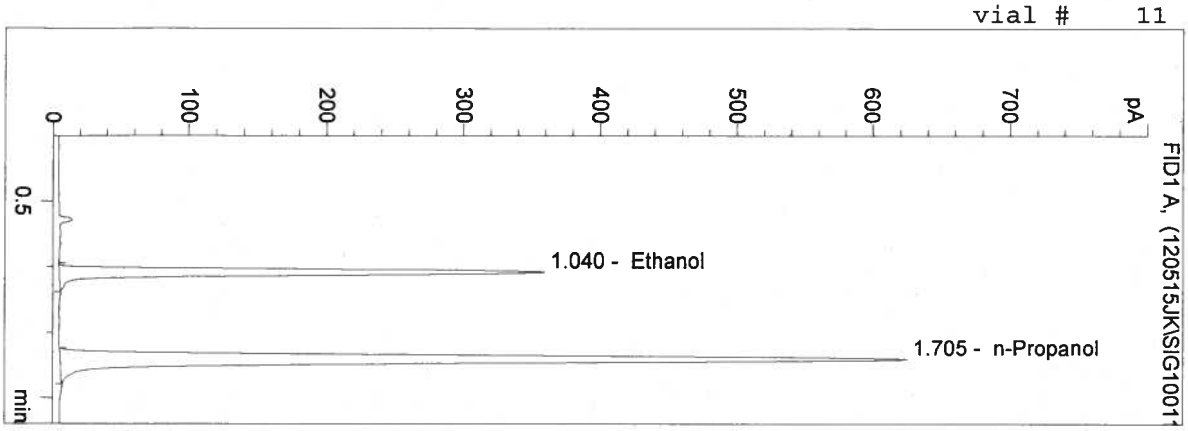
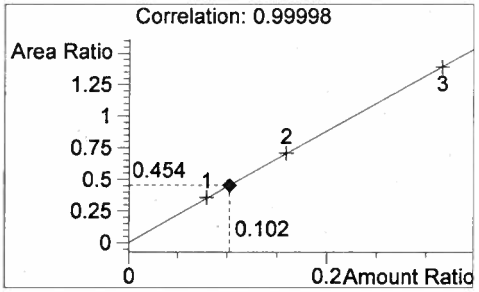
5/15/2012 3:44:35 PM
Instrument 1
DB-ALC1

12022-2
Justin Knoy

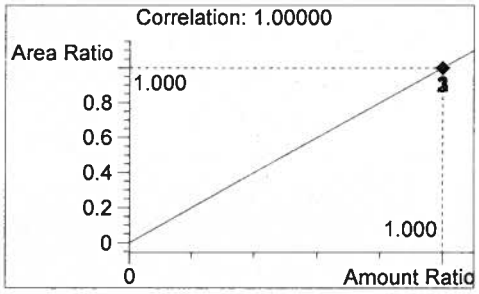
vial # 11



#	Compound	Area	RT
1	Ethanol	1123	1.040
2	n-Propanol	2473	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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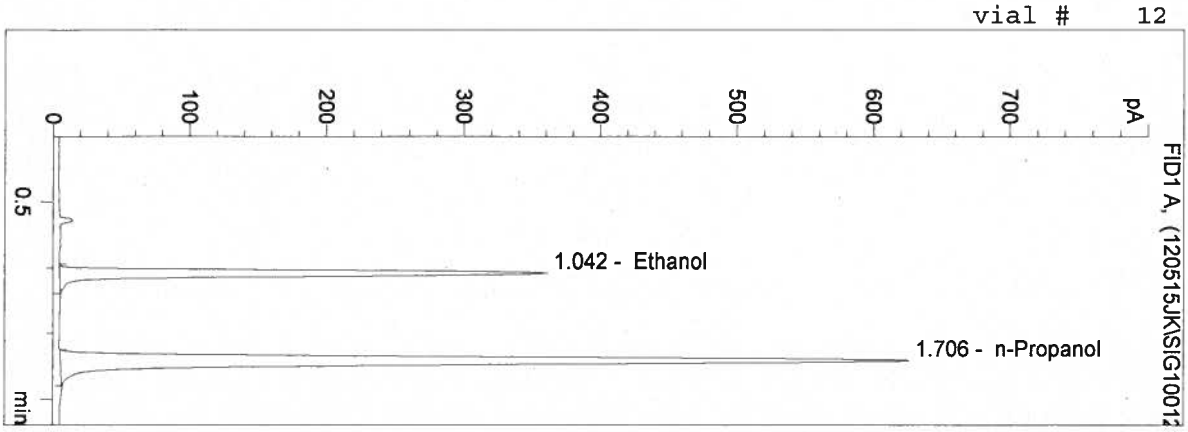
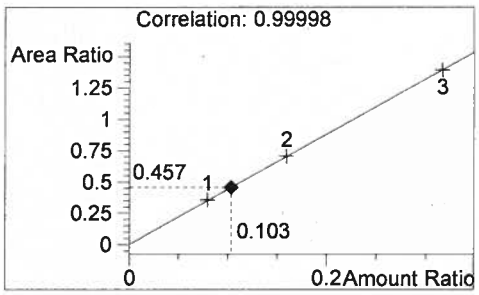
5/15/2012 3:47:39 PM
Instrument 1
DB-ALC1

12022-3
Justin Knoy

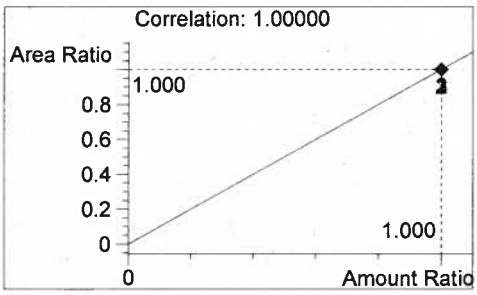
vial # 12



#	Compound	Area	RT
1	Ethanol	1132	1.042
2	n-Propanol	2476	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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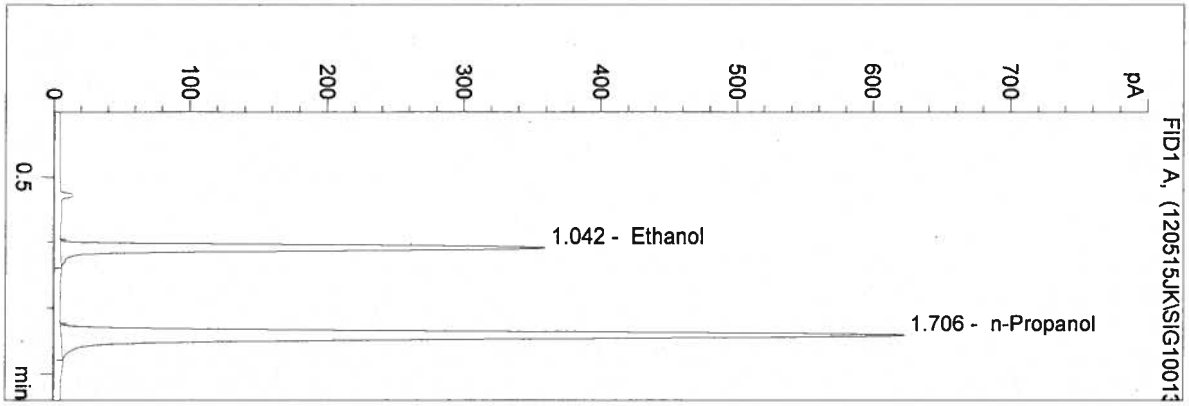
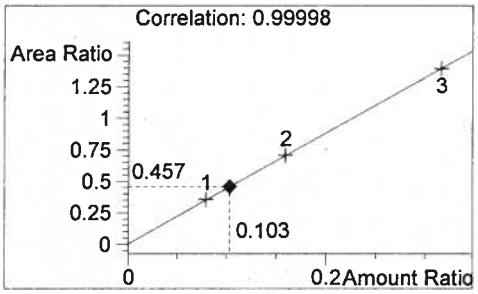
5/15/2012 3:50:44 PM
Instrument 1
DB-ALC1

12022-4
Justin Knoy

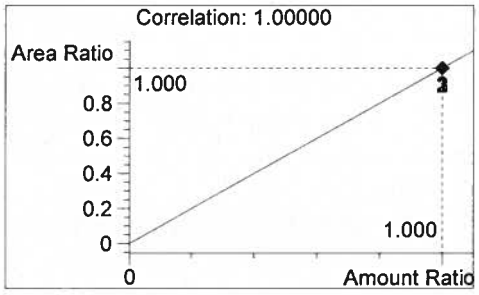
vial # 13



#	Compound	Area	RT
1	Ethanol	1125	1.042
2	n-Propanol	2460	1.706
Tot			



Ethanol 0.103 g/100 mL



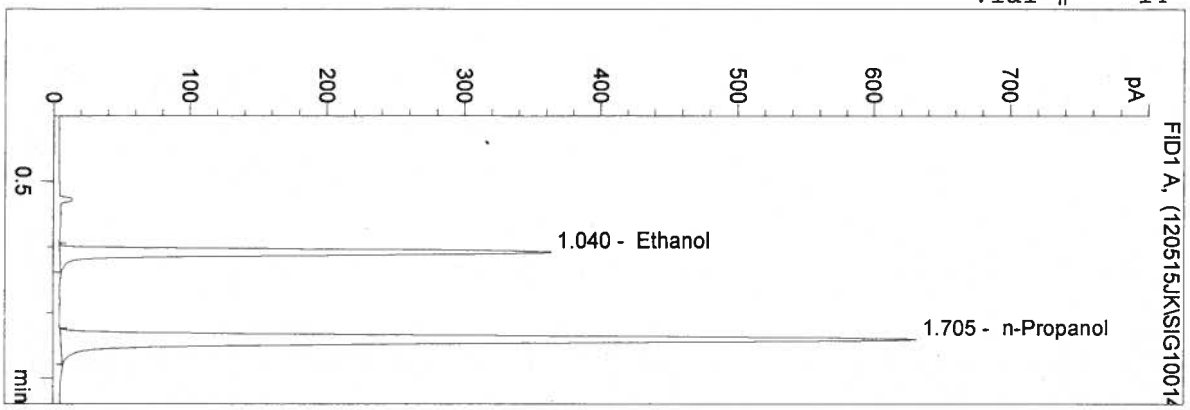
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

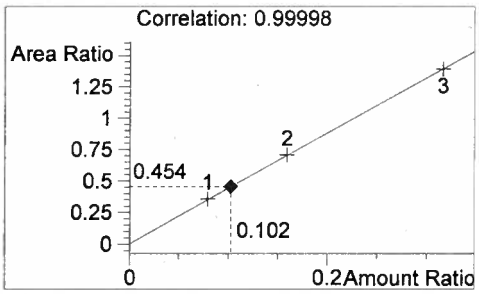
C:\HPCHEM\1\METHODS\SIMALC1.M
5/15/2012 3:53:49 PM
Instrument 1
DB-ALC1

12022-5
Justin Knoy

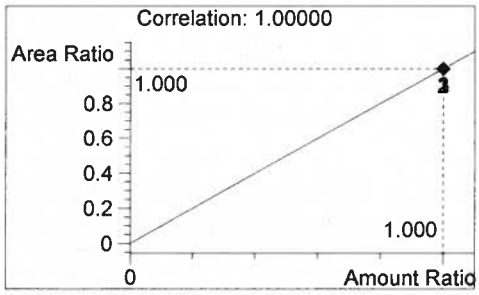
vial # 14



#	Compound	Area	RT
1	Ethanol	1132	1.040
2	n-Propanol	2492	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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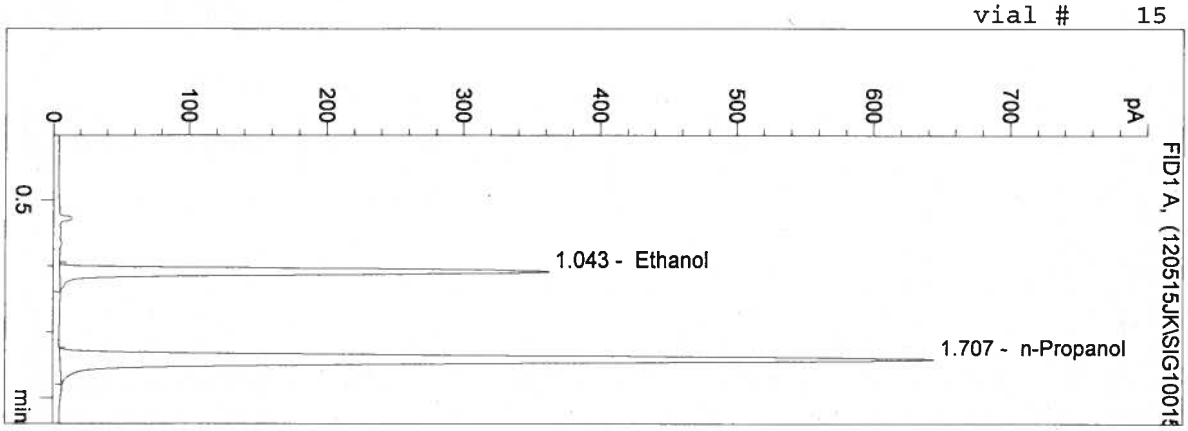
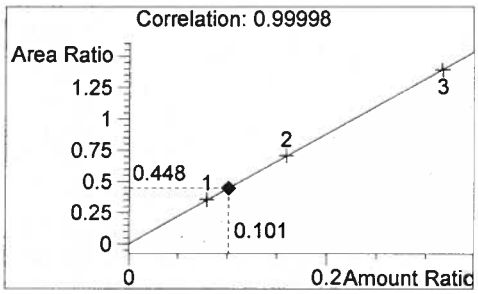
5/15/2012 3:56:54 PM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

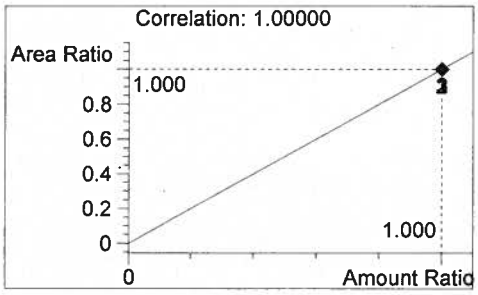
vial # 15



#	Compound	Area	RT
1	Ethanol	1150	1.043
2	n-Propanol	2564	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12022

WASHINGTON STATE TOXICOLOGY LABORATORY

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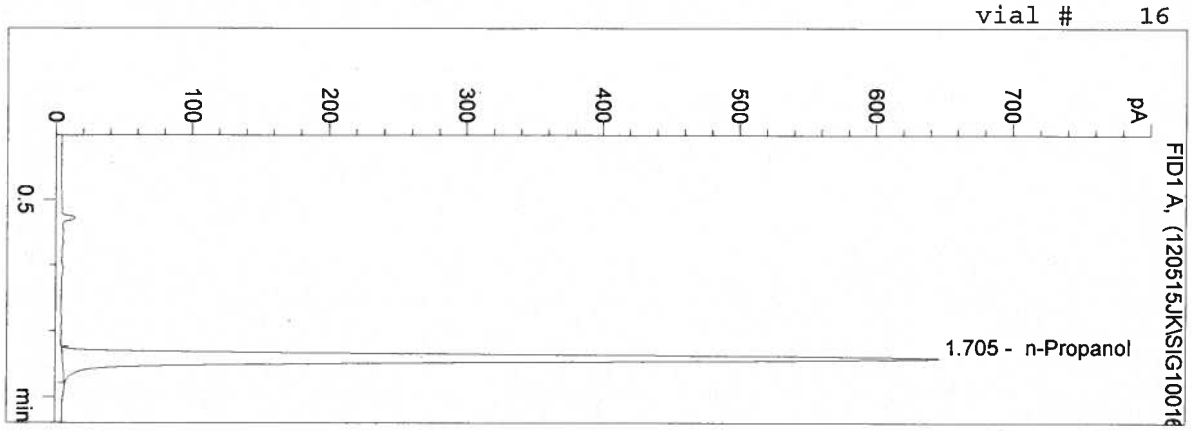
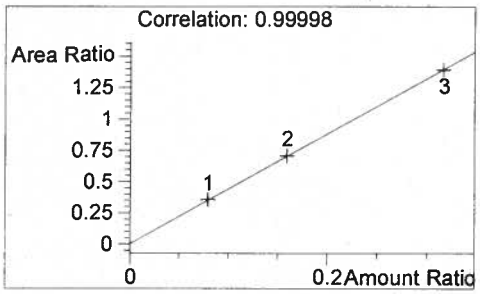
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

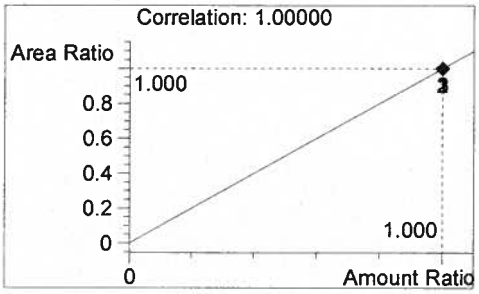
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2558	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

Sequence: C:\HPCHEM\2\SEQUENCE\DCESS.S

Sequence Parameters:

Operator:	Dawn Cox
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120516DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 Lot#E0412-01 Exp 07/11/12
Cal 2 Lot#E0412-02 Exp 07/11/12
Cal 3 Lot#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	Lot# E0412-01
3	Vial 3	Lot# E0412-02
4	Vial 4	Lot# E0412-03
5	Vial 5	
6	Vial 6	Lot#A077459
7	Vial 7	Lot#A083355
8	Vial 8	Lot#A076521
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	Lot#A083355

12022

DC

16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DC	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DC	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DC	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		
10	Vial 10	12022 #1	SIMALC1	1	Sample		
11	Vial 11	12022 #2	SIMALC1	1	Sample		
12	Vial 12	12022 #3	SIMALC1	1	Sample		
13	Vial 13	12022 #4	SIMALC1	1	Sample		
14	Vial 14	12022 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-DC	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

12022

DC

Calibration Table

Calib. Data Modified : Wednesday, May 16, 2012 9:33:31 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	7.91800e-2	880.10773	8.99663e-5	1		Ethanol
		2	1.59320e-1	1747.38269	9.11764e-5			
		3	3.16260e-1	3419.22656	9.24946e-5			
1.704	1	1	1.00000	2447.49194	4.08582e-4	I1		n-Propanol
		2	1.00000	2475.56421	4.03948e-4			
		3	1.00000	2460.65820	4.06395e-4			

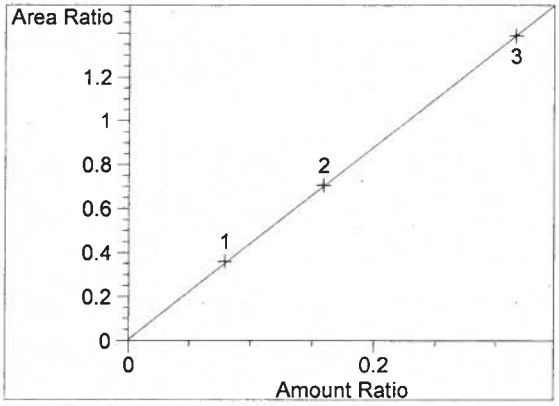
Peak Sum Table

No Entries in table

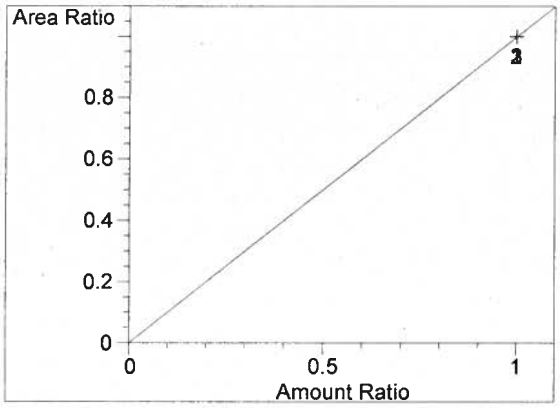
12022

DC

Calibration Curves



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00664
Formula: y = mx + b
m: 4.38320
b: 5.84541e-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

12022

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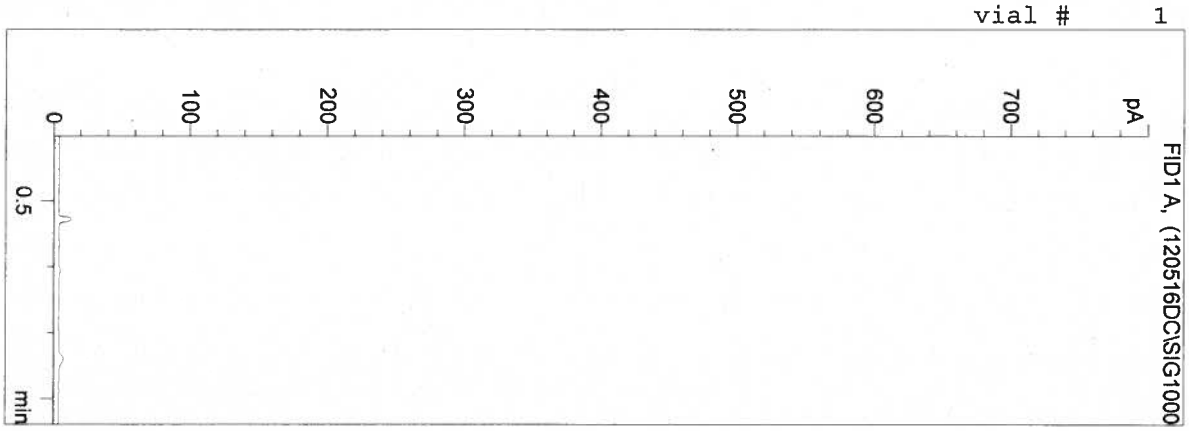
WASHINGTON STATE TOXICOLOGY LABORATORY

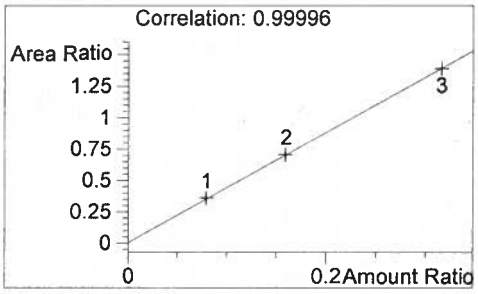
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:22:04 AM
Instrument 1
DB-ALC1

BLANK
Dawn Cox

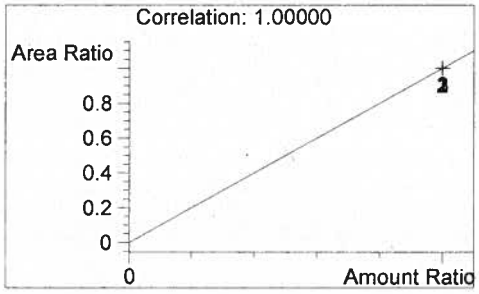
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12022

DC

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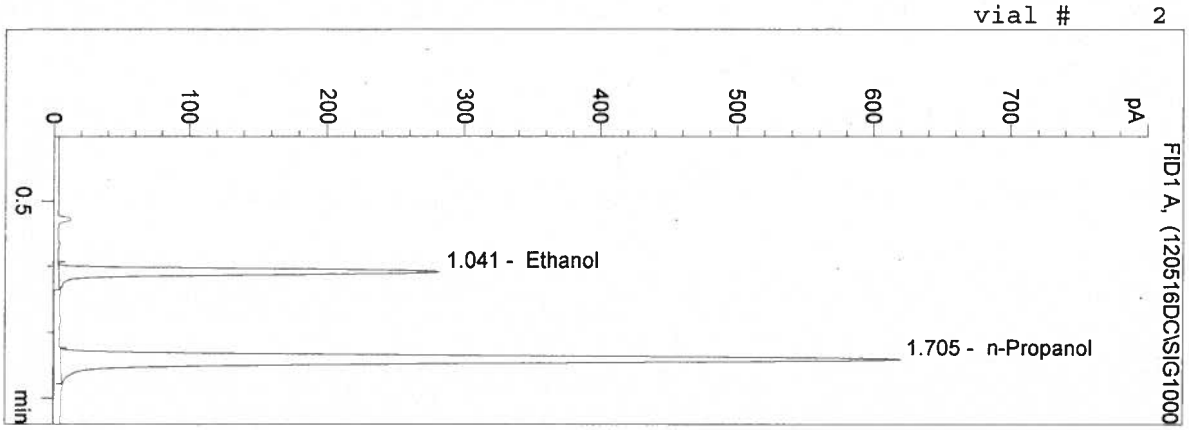
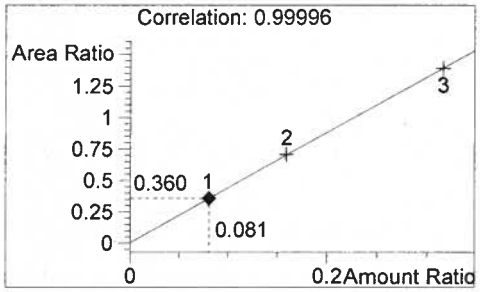
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:25:09 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Dawn Cox

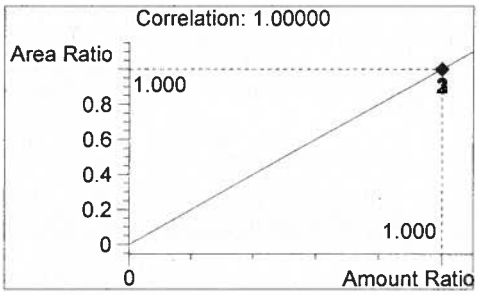
vial # 2



#	Compound	Area	RT
1	Ethanol	880	1.041
2	n-Propanol	2447	1.705
Tot			



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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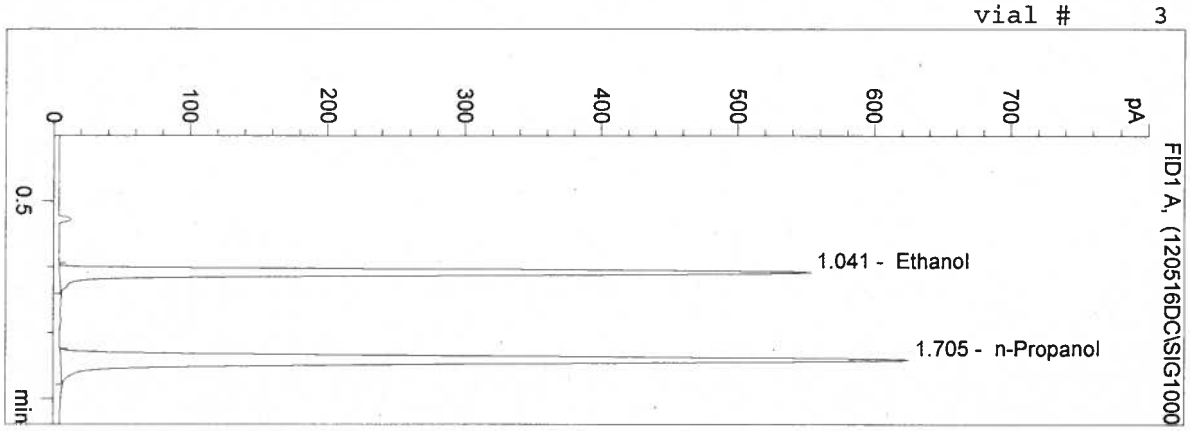
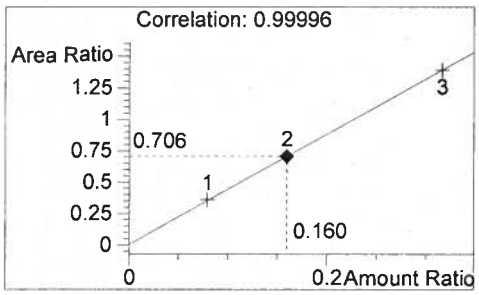
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:28:13 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Dawn Cox

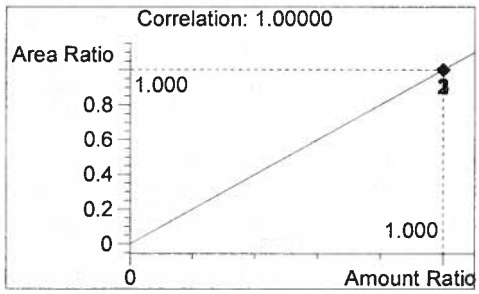
vial # 3



#	Compound	Area	RT
1	Ethanol	1747	1.041
2	n-Propanol	2476	1.705
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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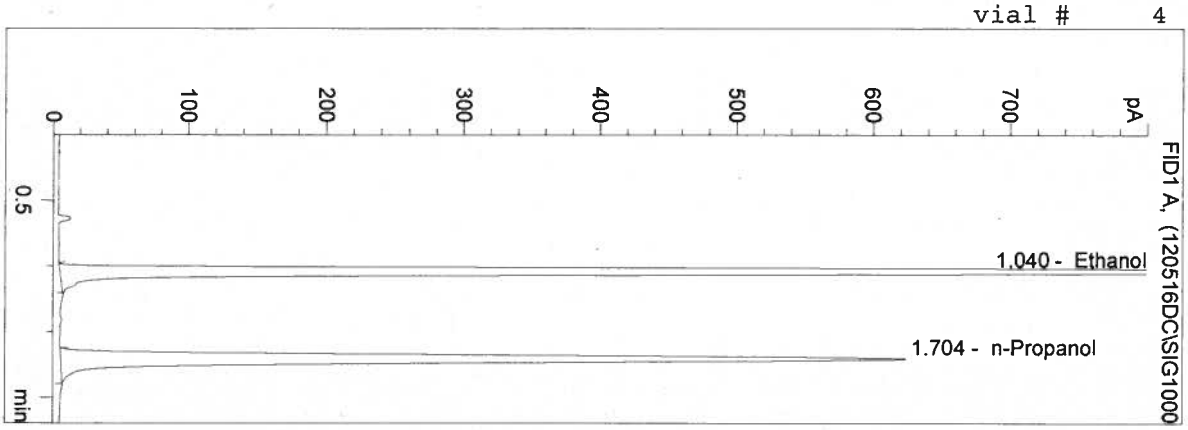
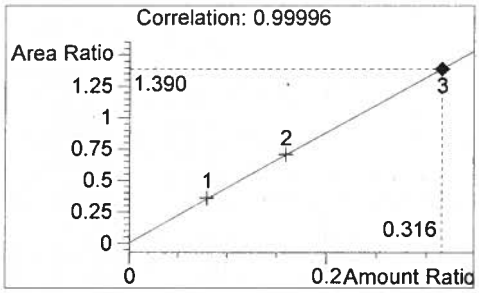
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:31:18 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Dawn Cox

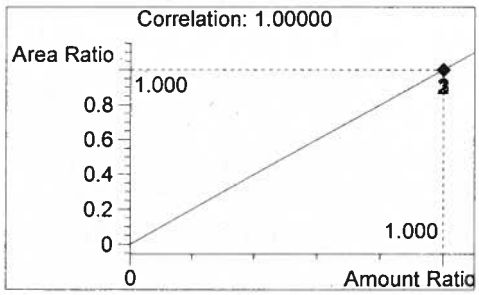
vial # 4



#	Compound	Area	RT
1	Ethanol	3419	1.040
2	n-Propanol	2461	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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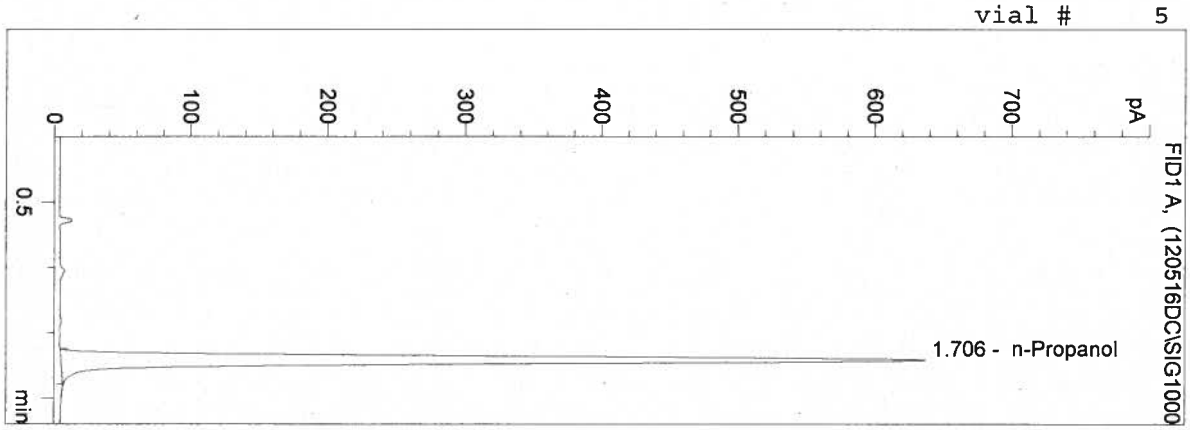
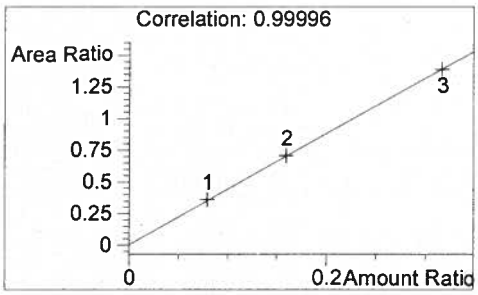
5/16/2012 9:34:23 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

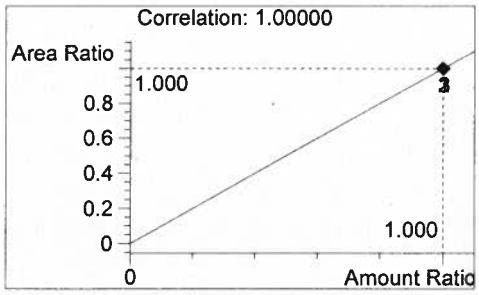
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2524	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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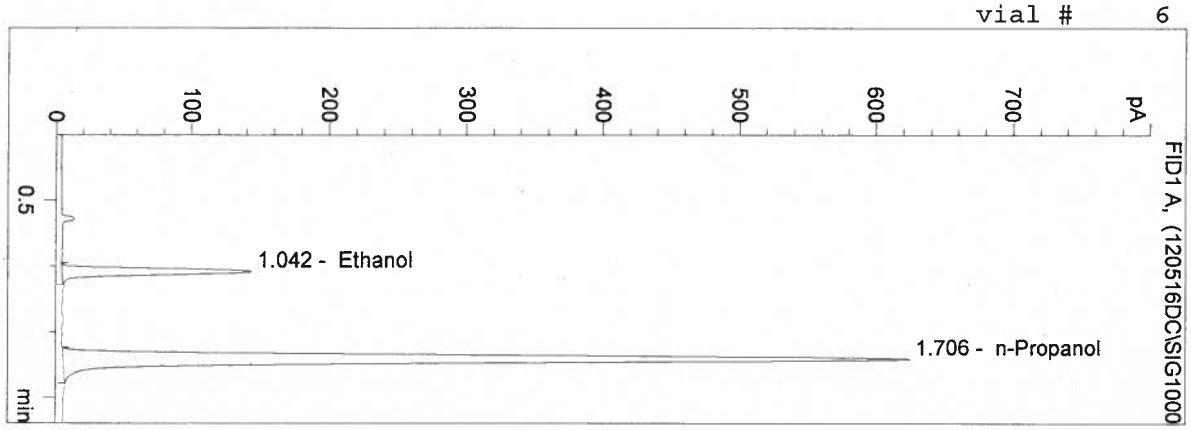
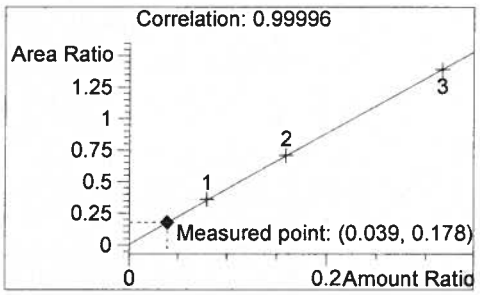
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:37:28 AM
Instrument 1
DB-ALC1

0.04 CTRL-DC
Dawn Cox

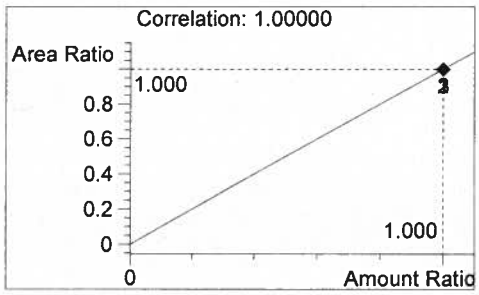
vial # 6



#	Compound	Area	RT
1	Ethanol	439	1.042
2	n-Propanol	2472	1.706
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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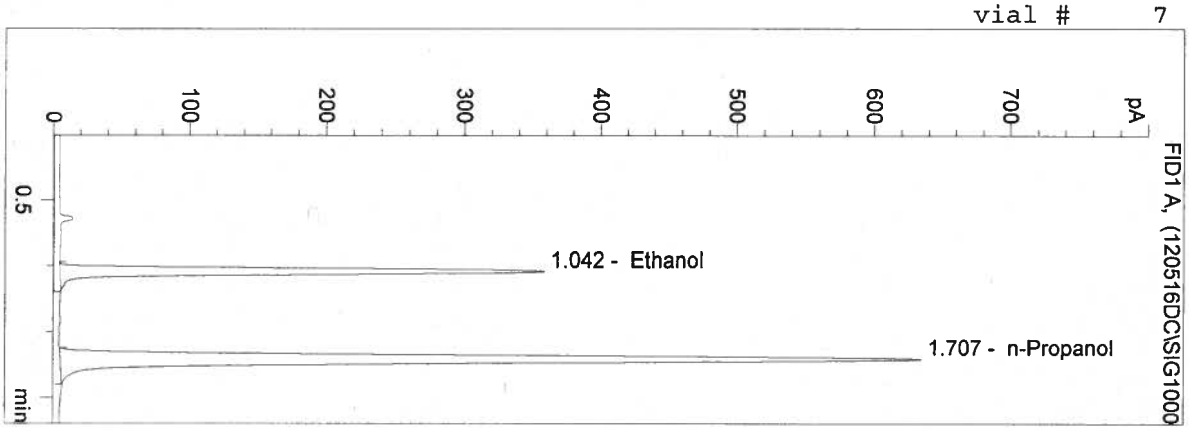
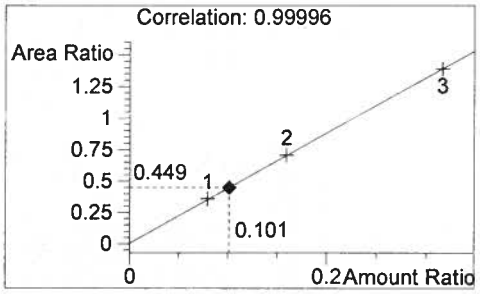
5/16/2012 9:40:32 AM
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

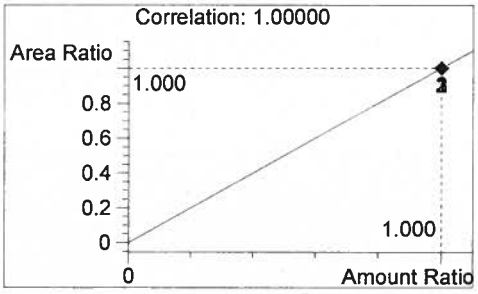
vial # 7



#	Compound	Area	RT
1	Ethanol	1133	1.042
2	n-Propanol	2523	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12022

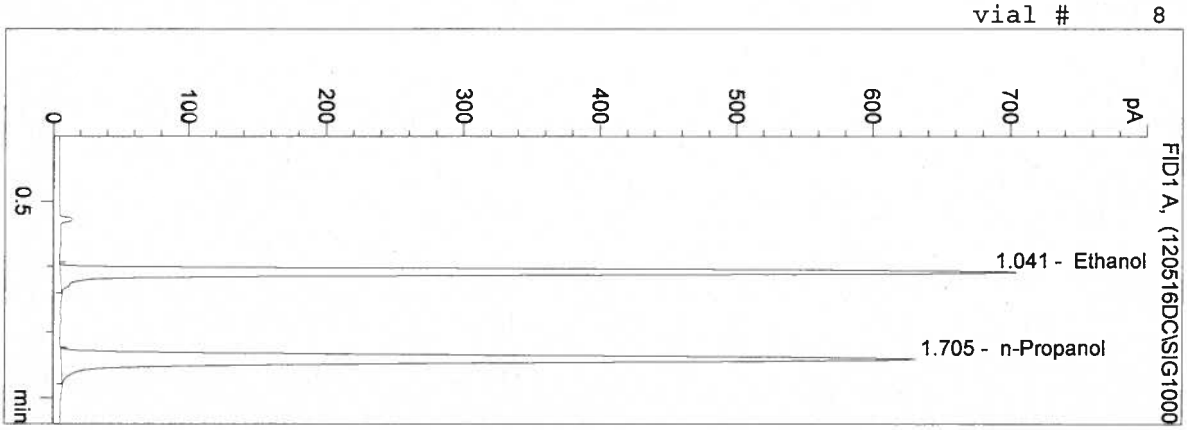
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

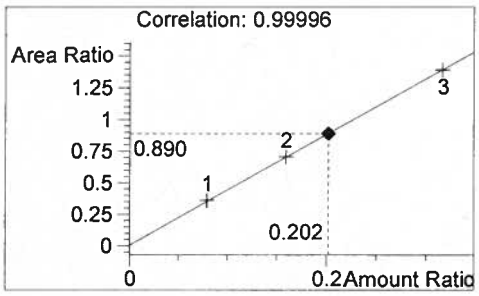
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:43:37 AM
Instrument 1
DB-ALC1

0.20 CTRL-DC
Dawn Cox

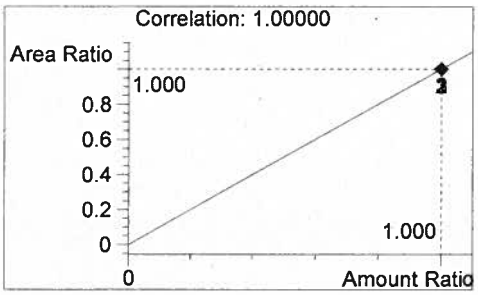
vial # 8



#	Compound	Area	RT
1	Ethanol	2219	1.041
2	n-Propanol	2492	1.705
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

12022

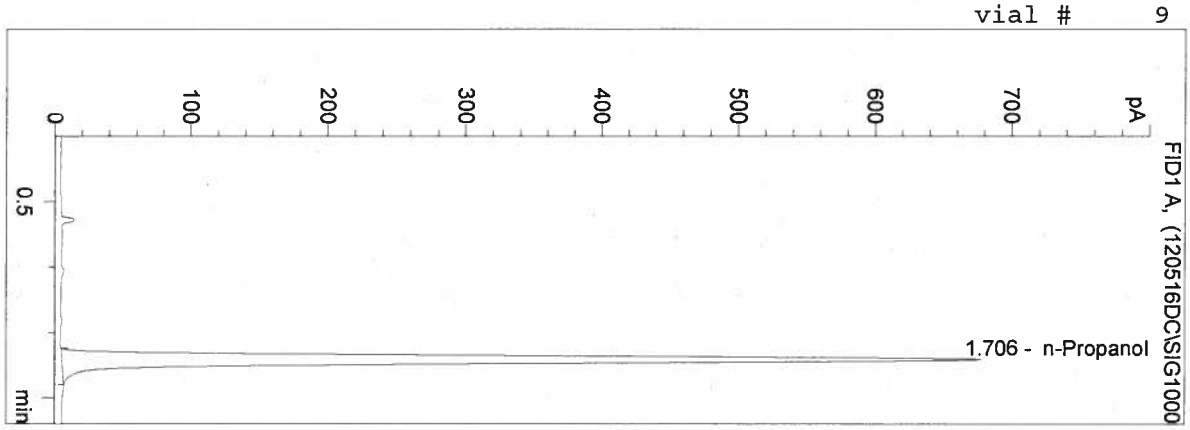
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

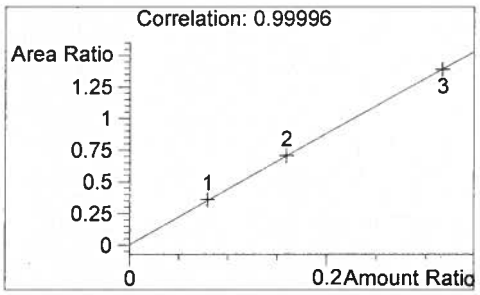
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:46:42 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

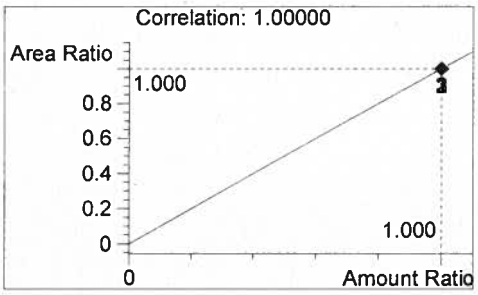
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2682	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

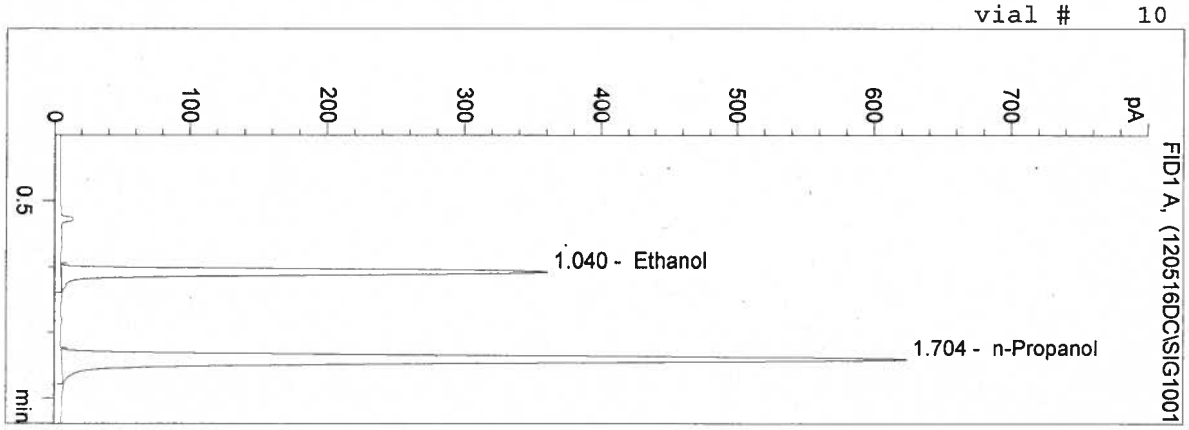
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

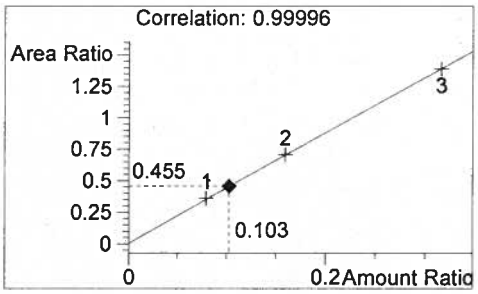
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:49:47 AM
Instrument 1
DB-ALC1

12022 #1
Dawn Cox

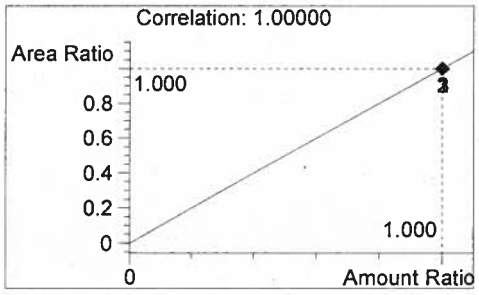
vial # 10



#	Compound	Area	RT
1	Ethanol	1122	1.040
2	n-Propanol	2465	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

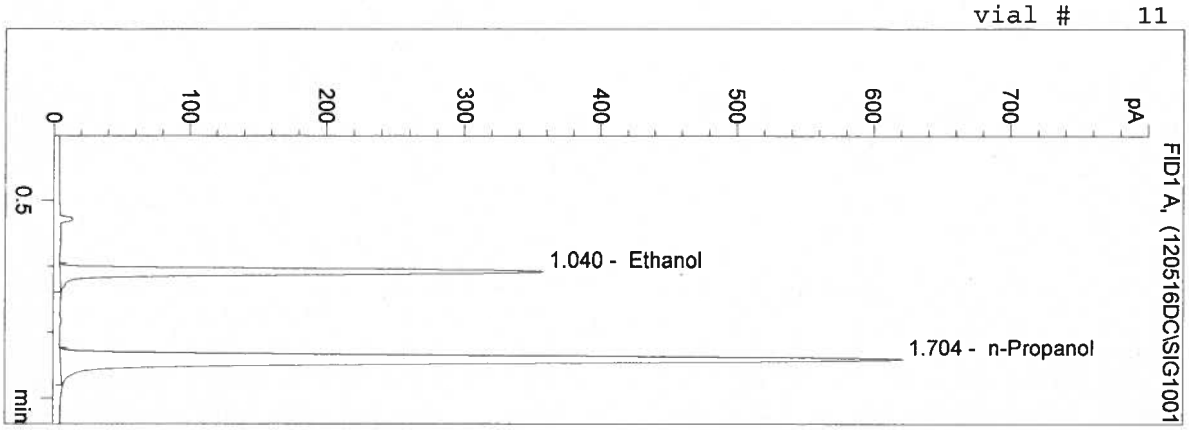
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

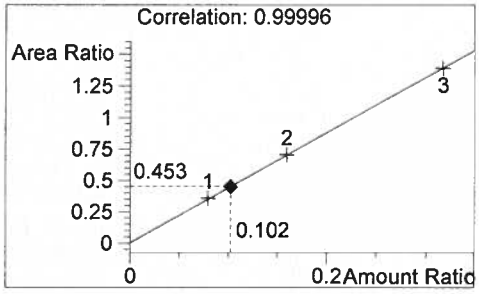
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:52:51 AM
Instrument 1
DB-ALC1

12022 #2
Dawn Cox

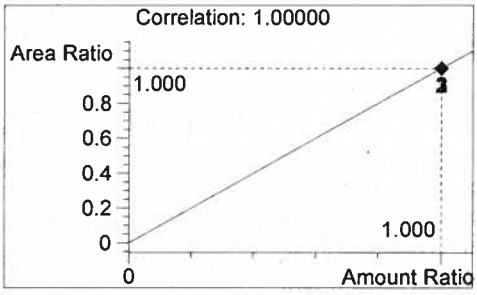
vial # 11



#	Compound	Area	RT
1	Ethanol	1114	1.040
2	n-Propanol	2459	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

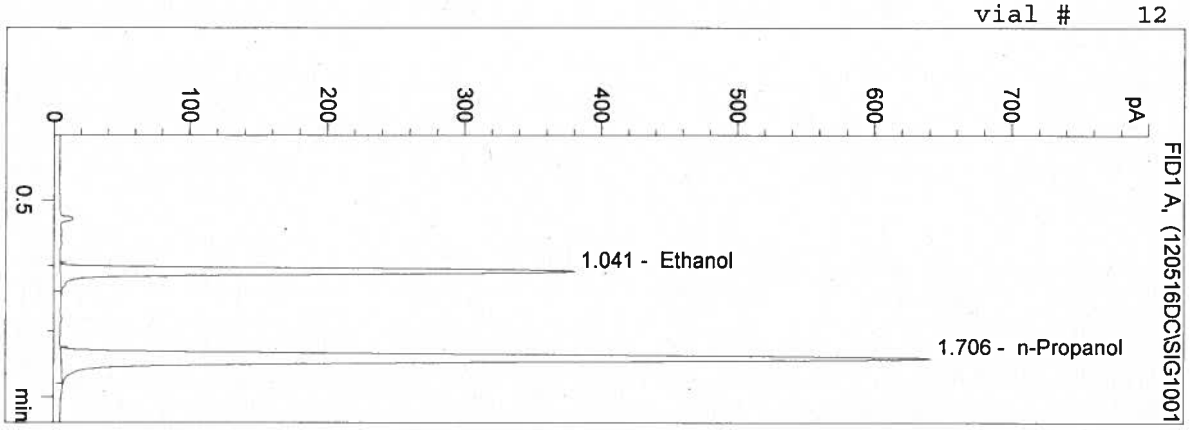
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

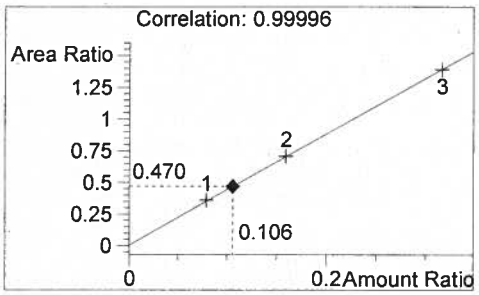
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:55:56 AM
Instrument 1
DB-ALC1

12022 #3
Dawn Cox

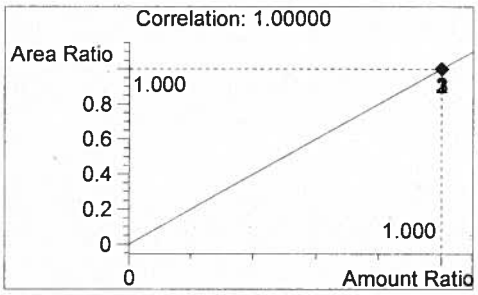
vial # 12



#	Compound	Area	RT
1	Ethanol	1193	1.041
2	n-Propanol	2541	1.706
Tot			



Ethanol 0.106 g/100 mL



n-Propanol 1.000 g/100 mL

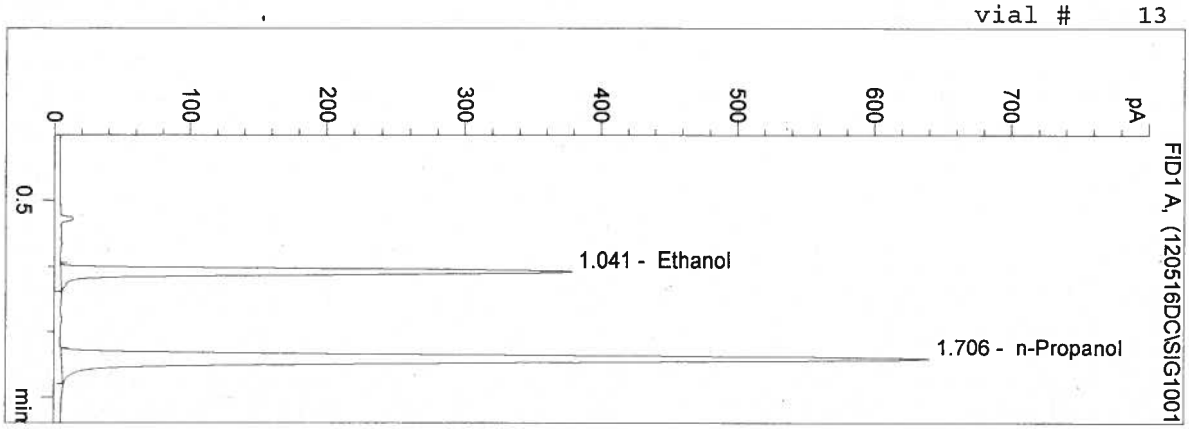
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

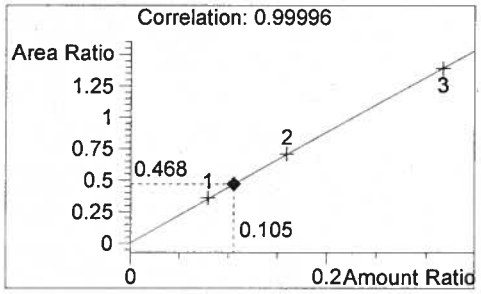
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:59:01 AM
Instrument 1
DB-ALC1

12022 #4
Dawn Cox

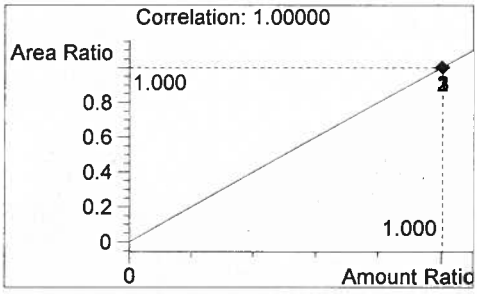
vial # 13



#	Compound	Area	RT
1	Ethanol	1187	1.041
2	n-Propanol	2537	1.706
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

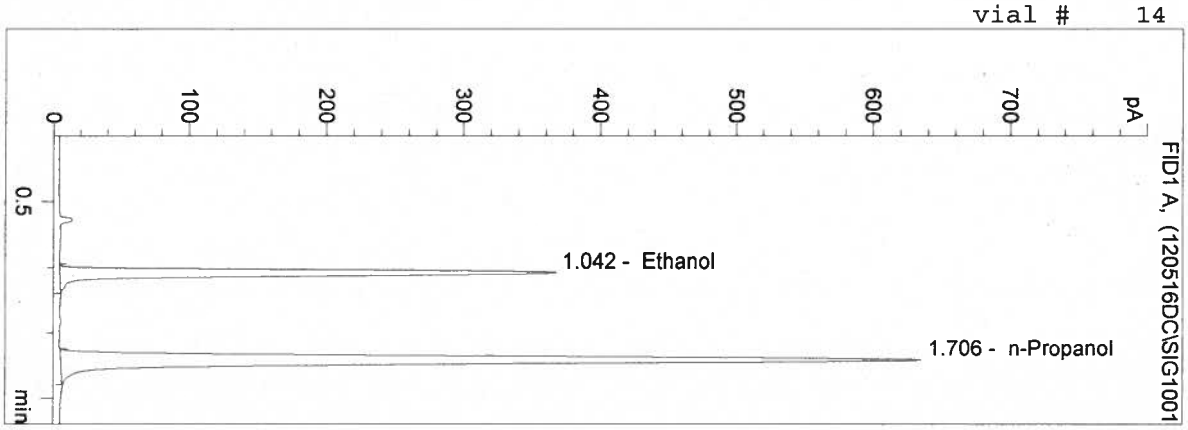
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

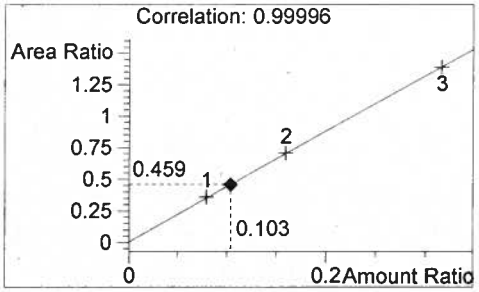
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 10:02:06 AM
Instrument 1
DB-ALC1

12022 #5
Dawn Cox

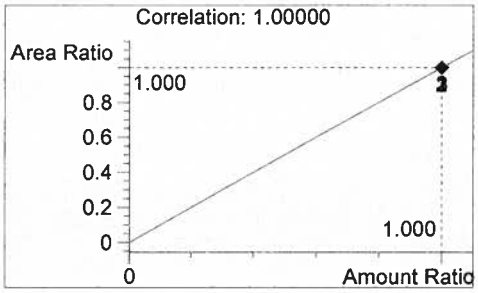
vial # 14



#	Compound	Area	RT
1	Ethanol	1154	1.042
2	n-Propanol	2514	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

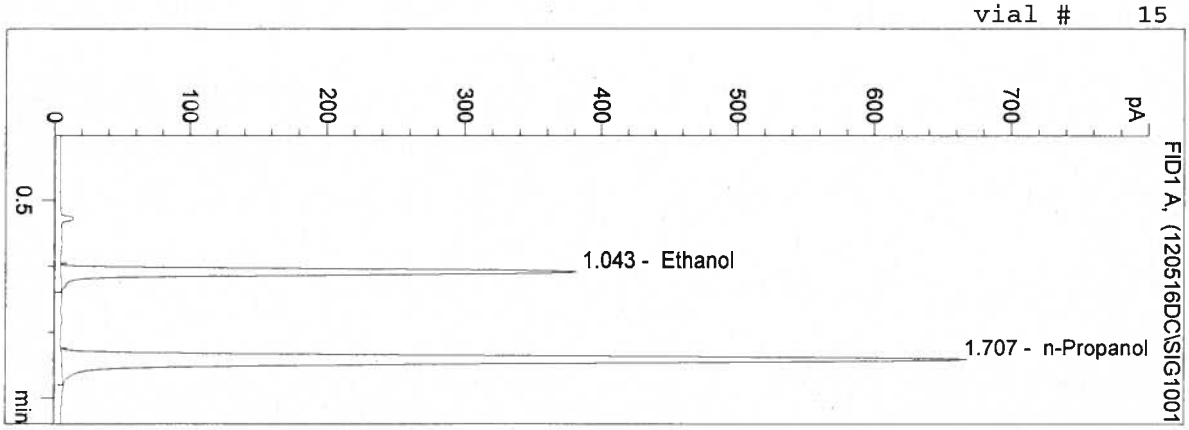
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

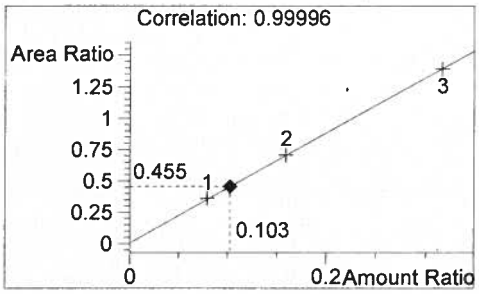
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 10:05:11 AM
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

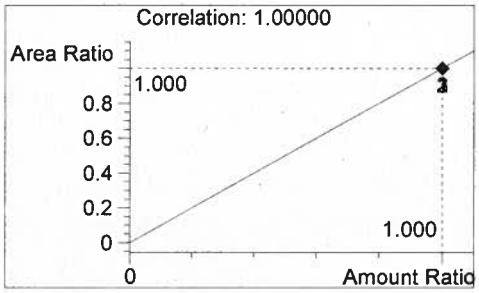
vial # 15



#	Compound	Area	RT
1	Ethanol	1210	1.043
2	n-Propanol	2658	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

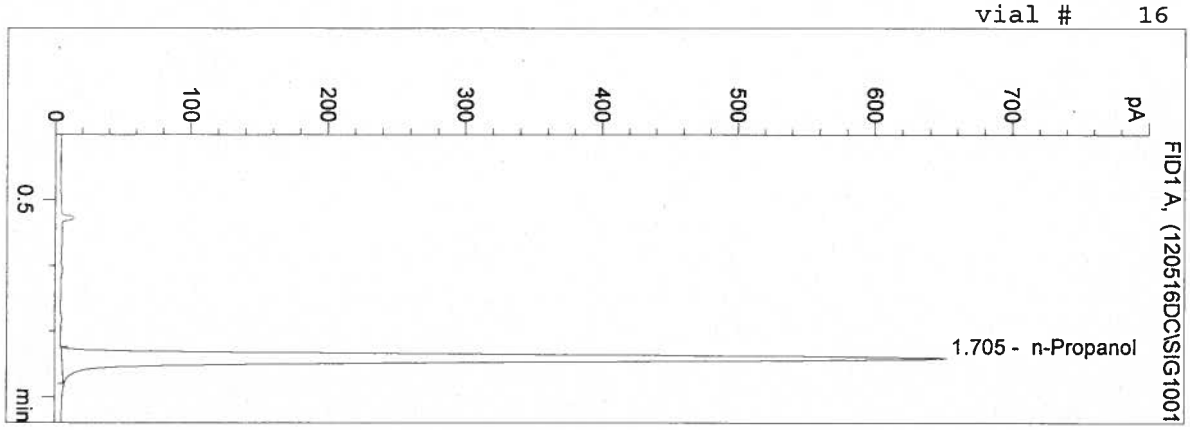
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

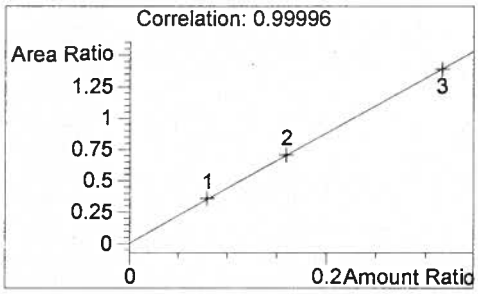
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 10:08:15 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

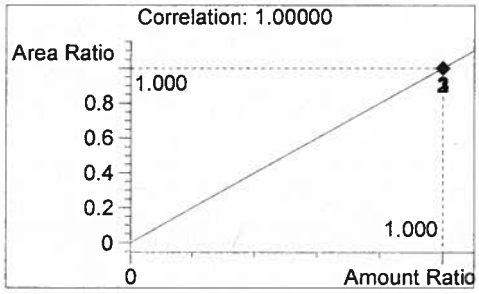
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2581	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

DC

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:	120516R2
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

RF

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	

12022

Sequence: C:\HPCHEM\2\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	12022 #1	SIMALC1	1	Sample		
11	Vial 11	12022 #2	SIMALC1	1	Sample		
12	Vial 12	12022 #3	SIMALC1	1	Sample		
13	Vial 13	12022 #4	SIMALC1	1	Sample		
14	Vial 14	12022 #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!

RK

12022

Calibration Table

Calib. Data Modified : Wednesday, May 16, 2012 11:33:46 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	867.67615	9.12552e-5	1		Ethanol
		2	1.59320e-1	1724.28430	9.23978e-5			
		3	3.16260e-1	3402.68848	9.29442e-5			
1.705	1	1	1.00000	2461.46313	4.06262e-4	I1		n-Propanol
		2	1.00000	2462.06104	4.06164e-4			
		3	1.00000	2443.88086	4.09185e-4			

Peak Sum Table

No Entries in table

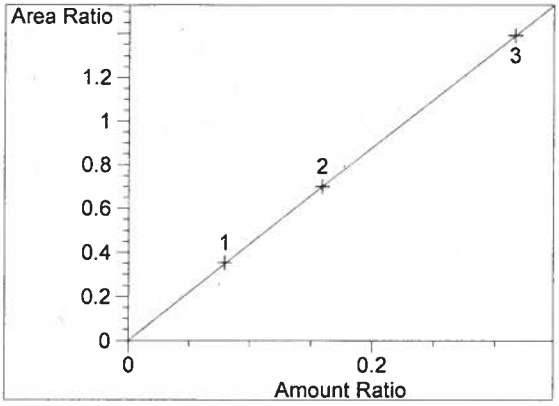
RF

12022

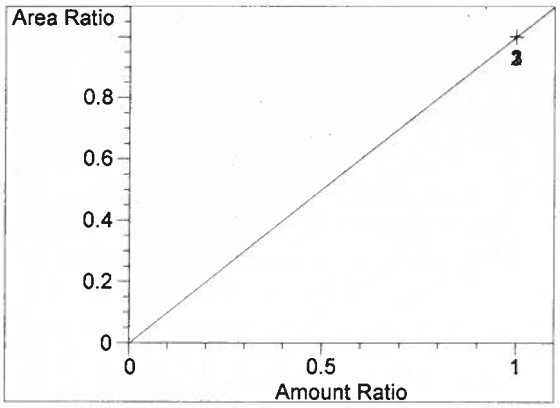
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00257
Formula: y = mx + b
m: 4.39783
b: 1.35929e-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

==========

RF

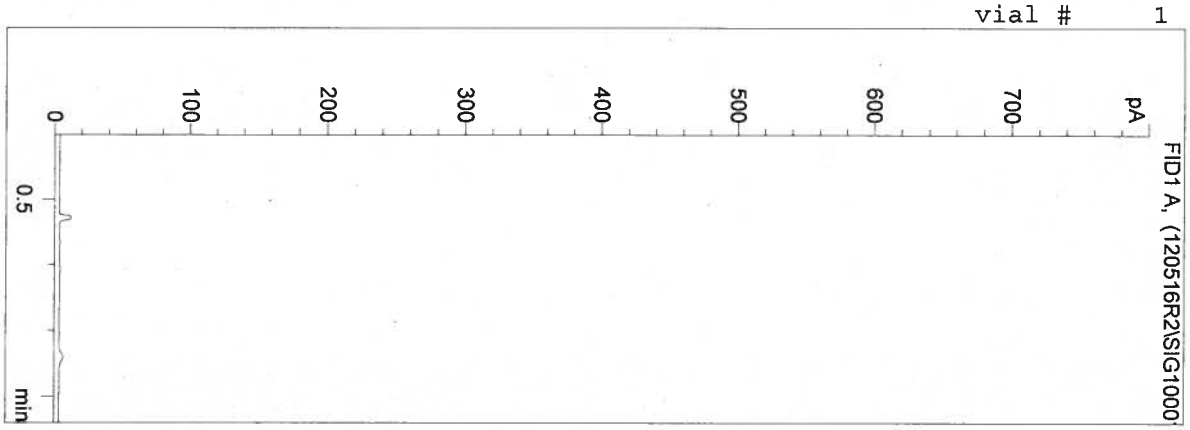
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:22:18 AM
Instrument 1
DB-ALC1

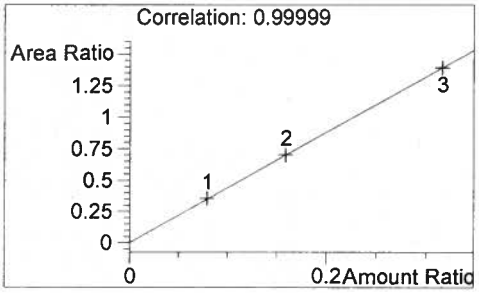
BLANK
Rebecca Flaherty

vial # 1

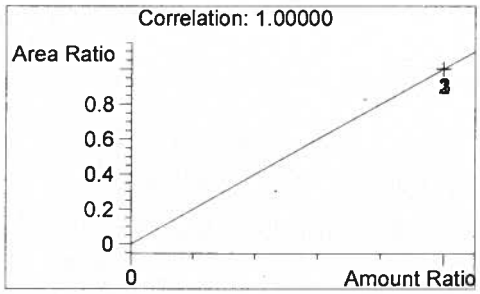


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

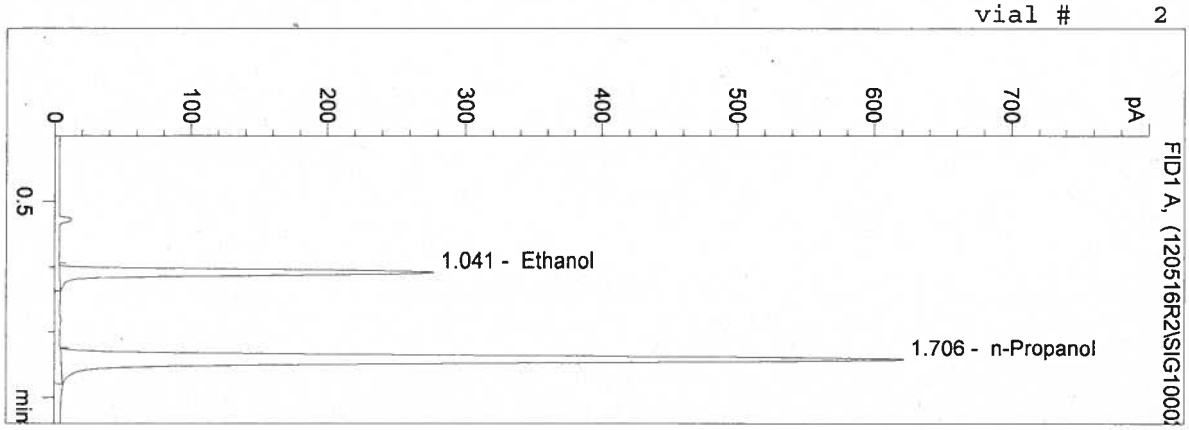
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:25:23 AM
Instrument 1
DB-ALC1

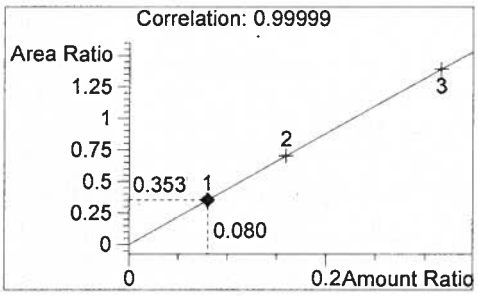
0.079 CAL 1
Rebecca Flaherty

vial # 2

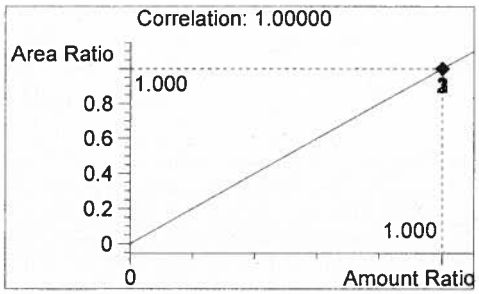


#	Compound	Area	RT
1	Ethanol	868	1.041
2	n-Propanol	2461	1.706
Tot			

RG



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

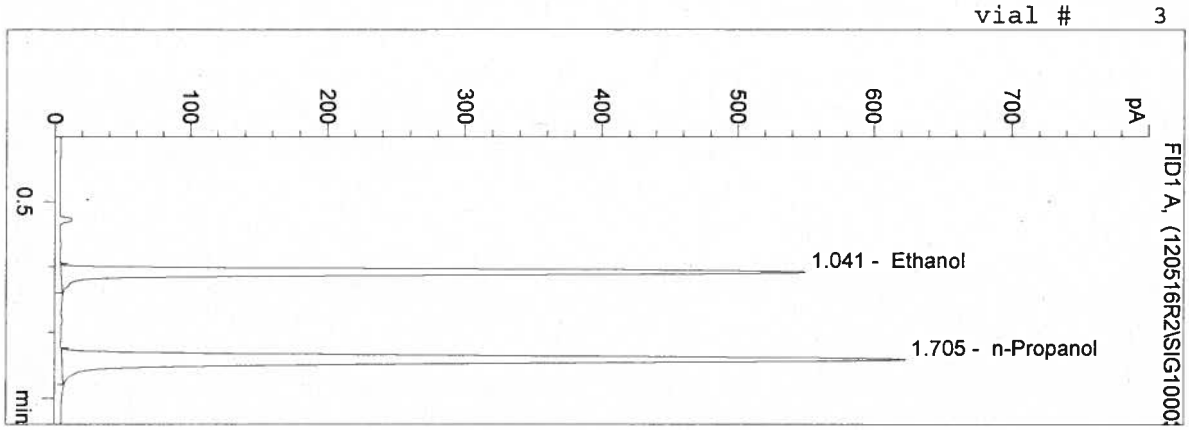
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:28:28 AM
Instrument 1
DB-ALC1

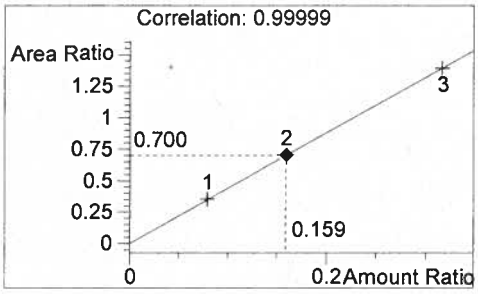
0.158 CAL 2
Rebecca Flaherty

vial # 3

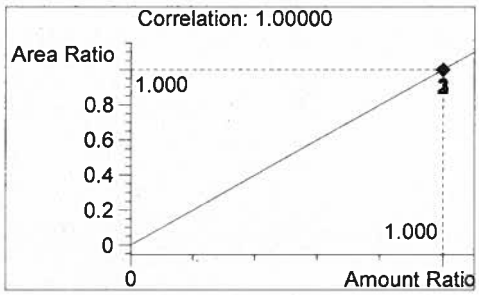


#	Compound	Area	RT
1	Ethanol	1724	1.041
2	n-Propanol	2462	1.705
Tot			

RC



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

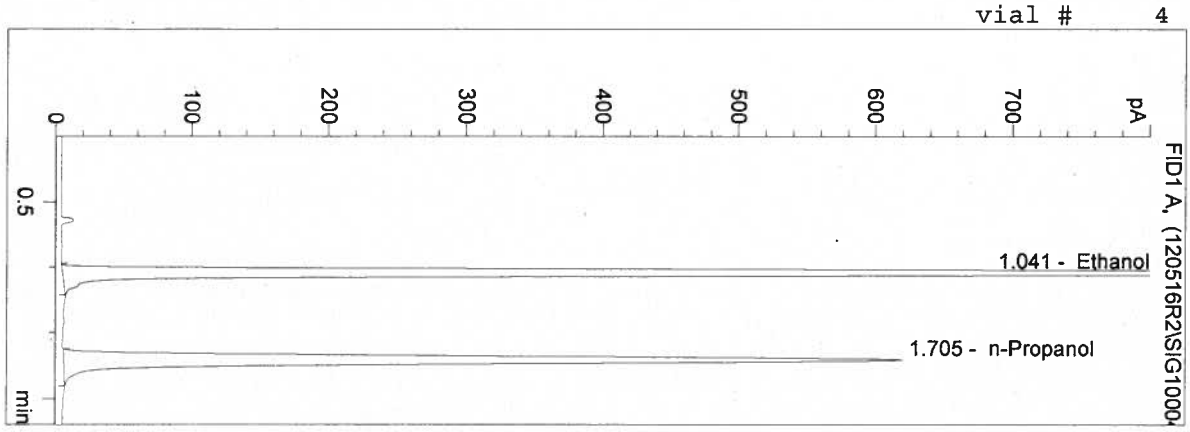
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:31:33 AM
Instrument 1
DB-ALC1

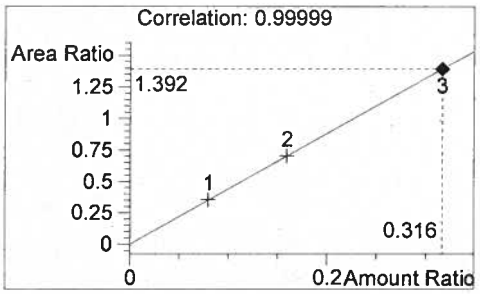
0.316 CAL 3
Rebecca Flaherty

vial # 4

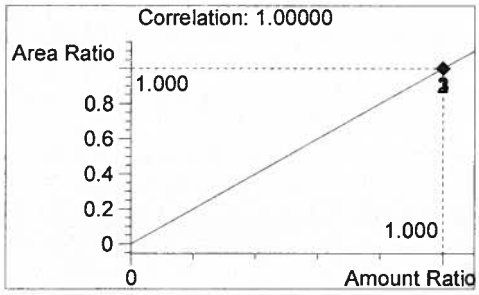


#	Compound	Area	RT
1	Ethanol	3403	1.041
2	n-Propanol	2444	1.705
Tot			

RF



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

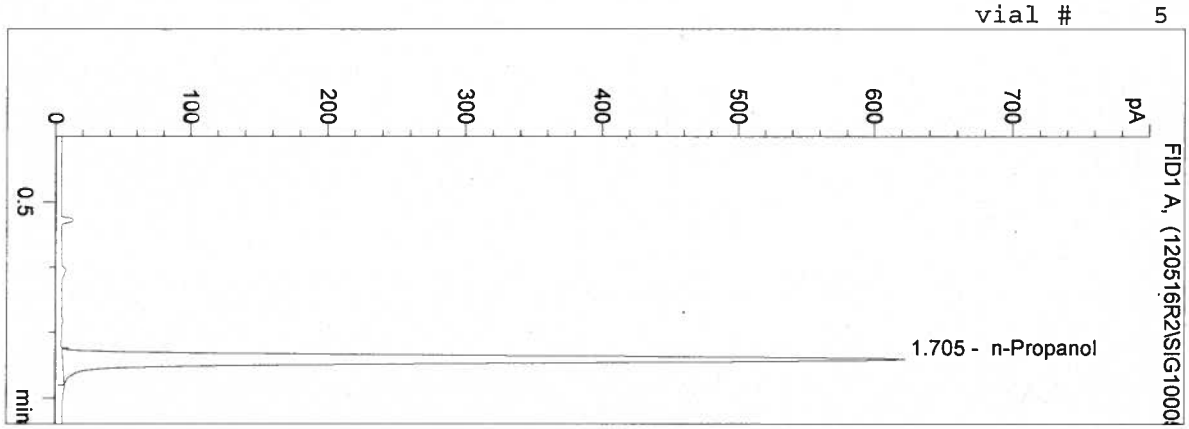
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:34:37 AM
Instrument 1
DB-ALC1

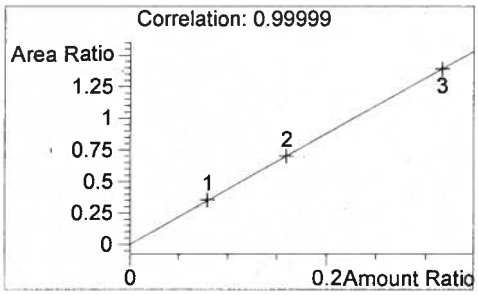
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

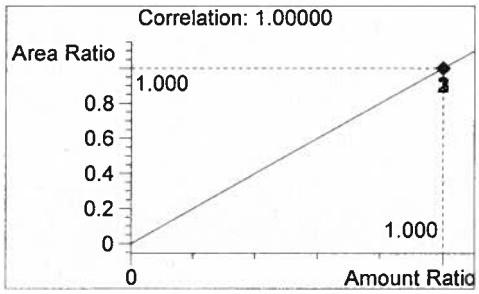


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2458	1.705
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

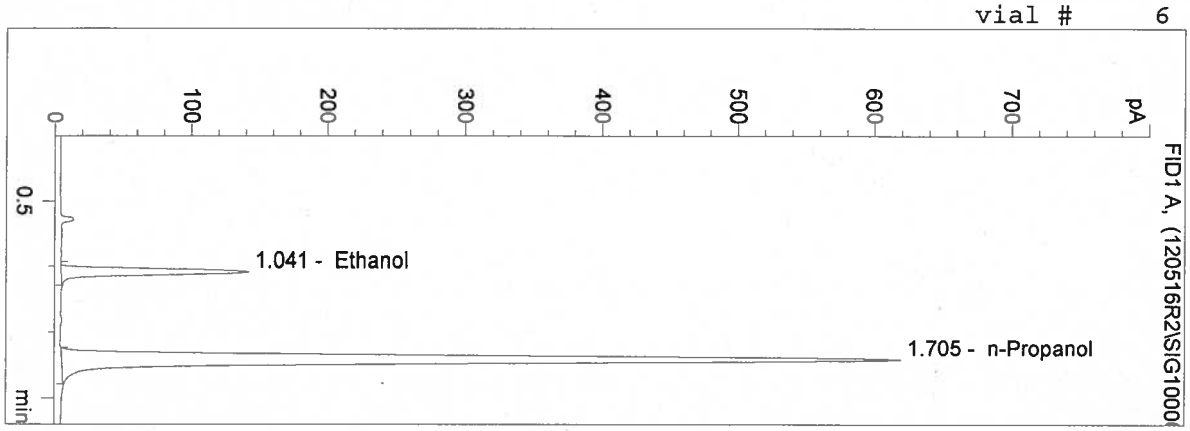
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:37:42 AM
Instrument 1
DB-ALC1

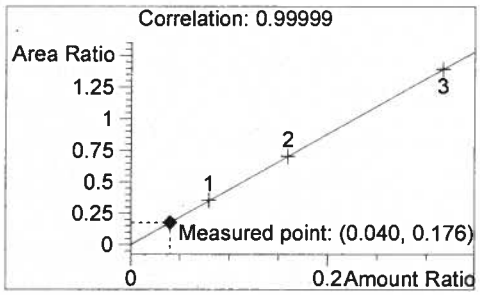
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

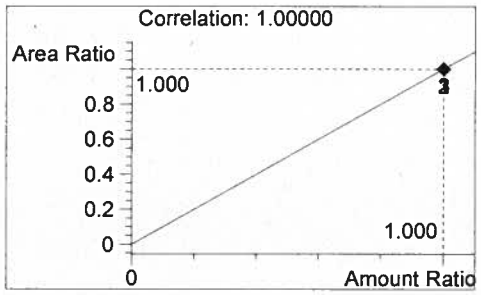


#	Compound	Area	RT
1	Ethanol	432	1.041
2	n-Propanol	2455	1.705
Tot			

RF



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

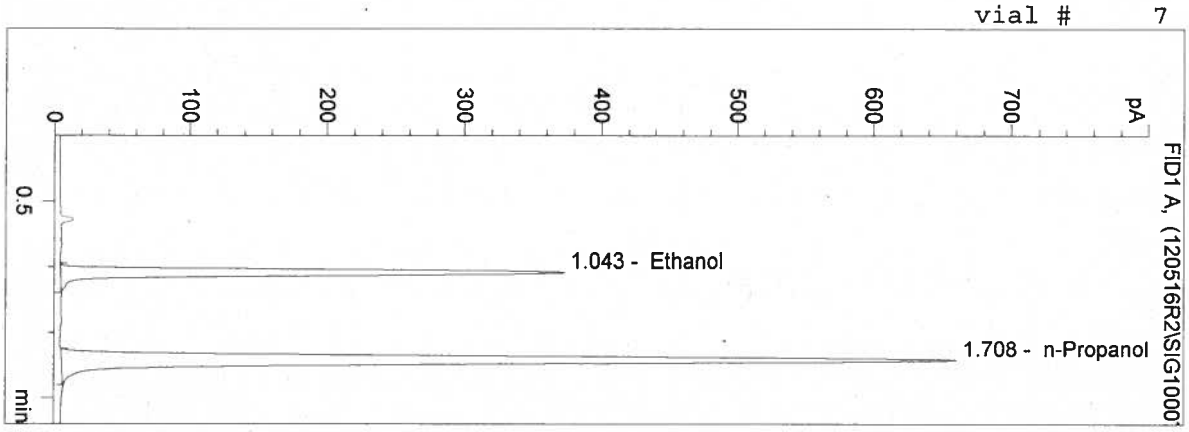
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:40:47 AM
Instrument 1
DB-ALC1

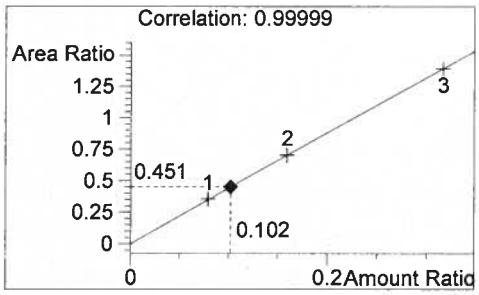
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

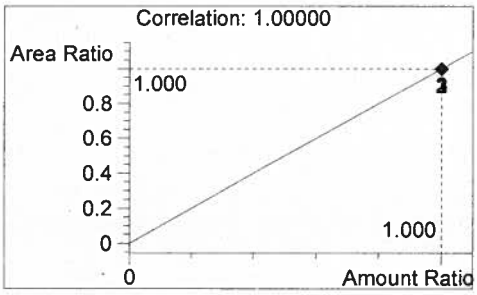


#	Compound	Area	RT
1	Ethanol	1183	1.043
2	n-Propanol	2624	1.708
Tot			

RF



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

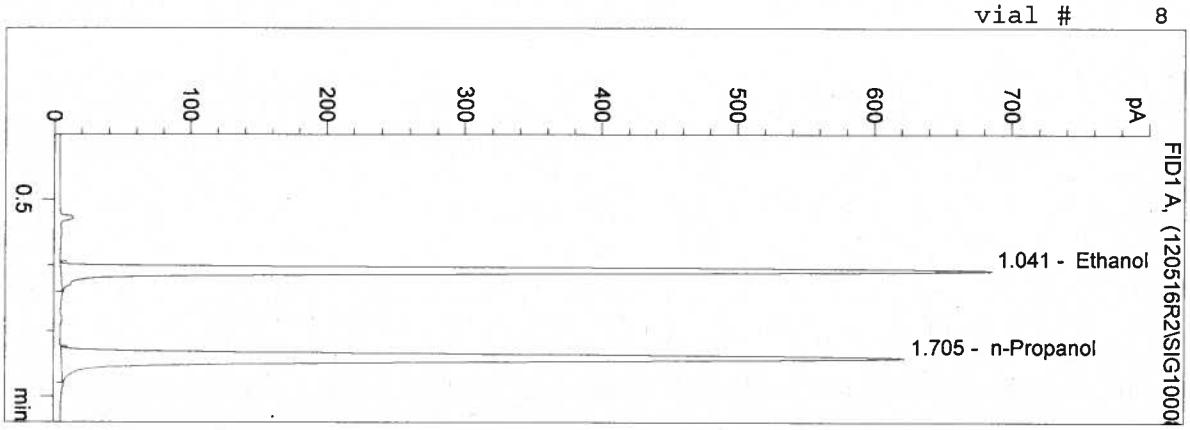
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:43:52 AM
Instrument 1
DB-ALC1

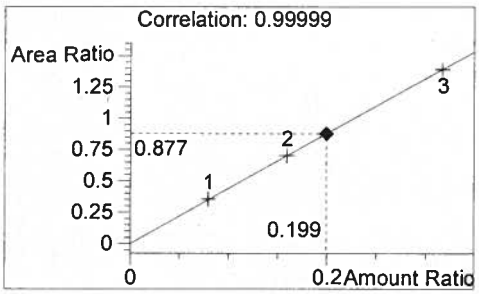
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

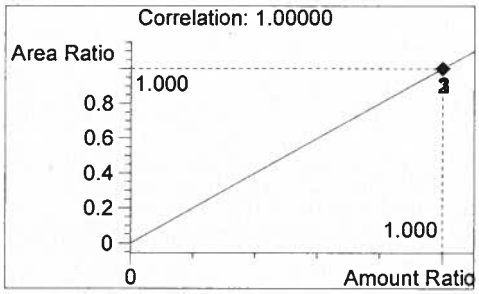


#	Compound	Area	RT
1	Ethanol	2160	1.041
2	n-Propanol	2461	1.705
Tot			

RF



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

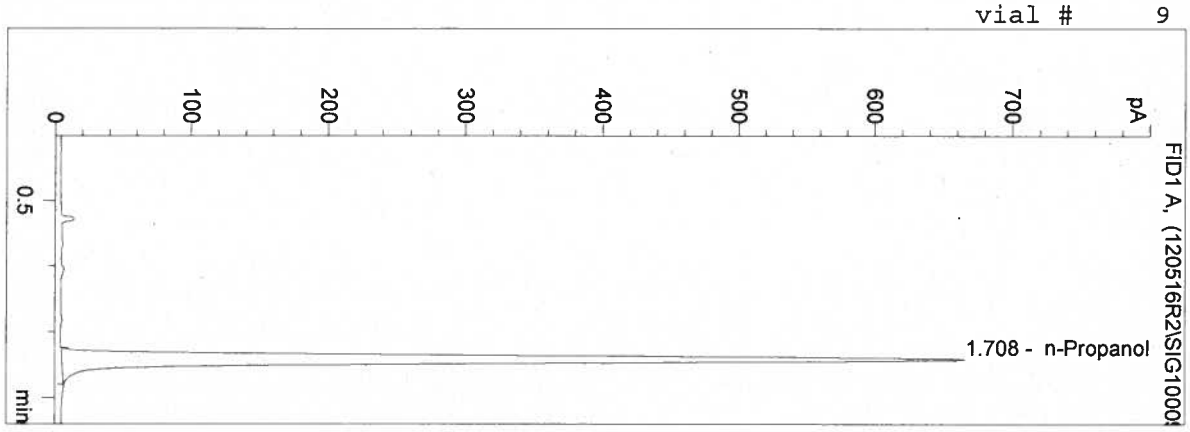
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:46:57 AM
Instrument 1
DB-ALC1

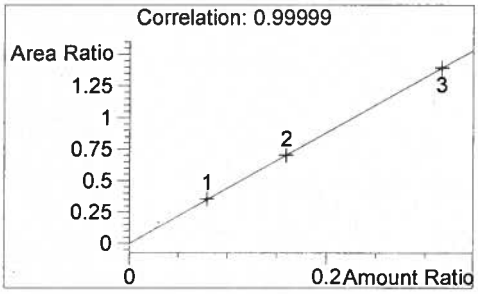
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

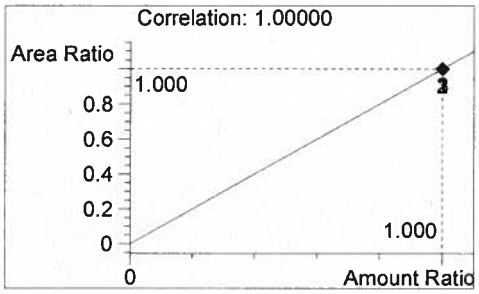


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2649	1.708
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

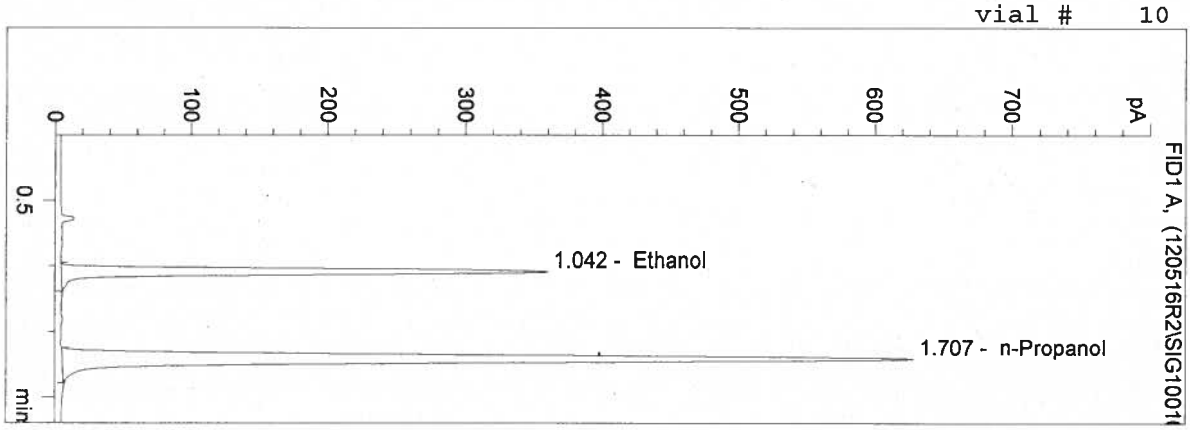
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 11:50:01 AM
Instrument 1
DB-ALC1

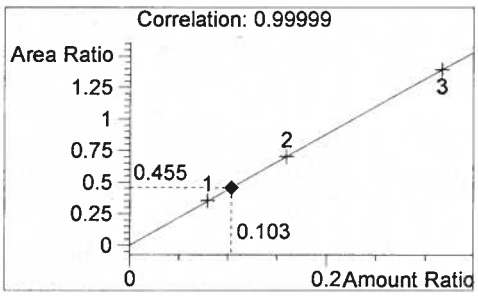
12022 #1
Rebecca Flaherty

vial # 10

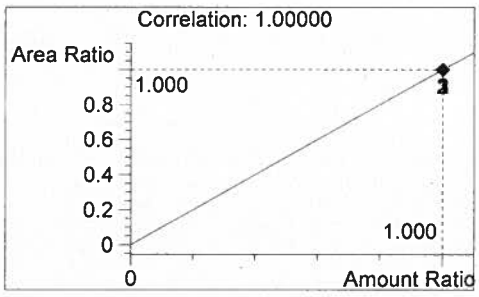


#	Compound	Area	RT
1	Ethanol	1135	1.042
2	n-Propanol	2494	1.707
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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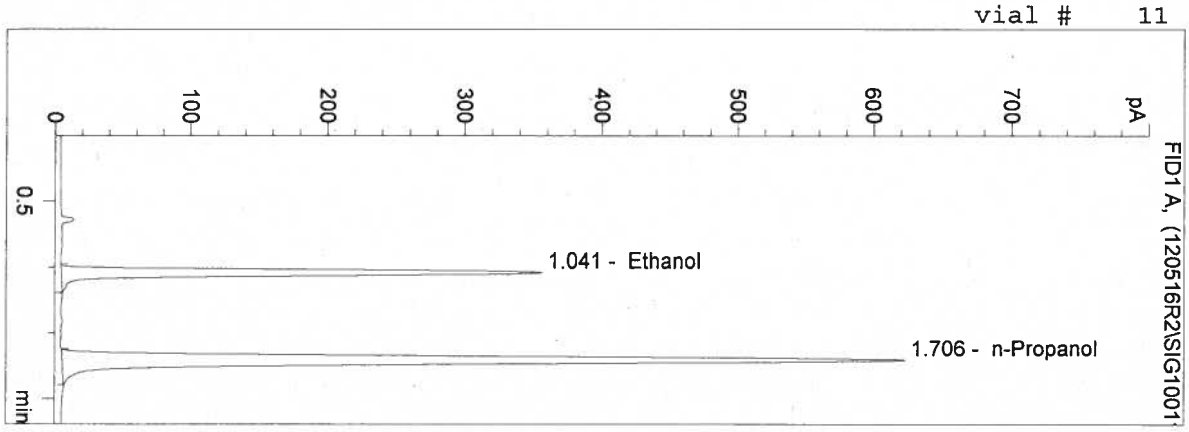
5/16/2012 11:53:06 AM
Instrument 1
DB-ALC1

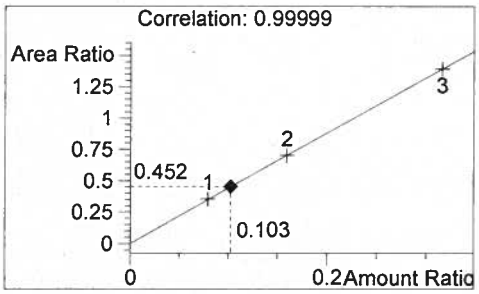
12022 #2
Rebecca Flaherty

vial # 11

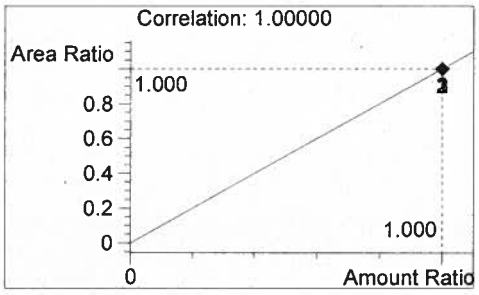


#	Compound	Area	RT
1	Ethanol	1114	1.041
2	n-Propanol	2465	1.706
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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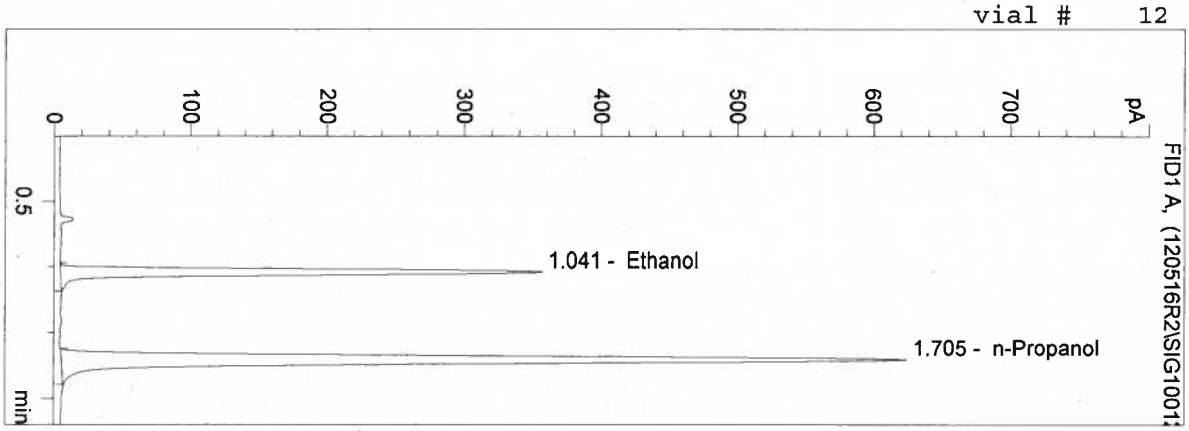
5/16/2012 11:56:11 AM
Instrument 1
DB-ALC1

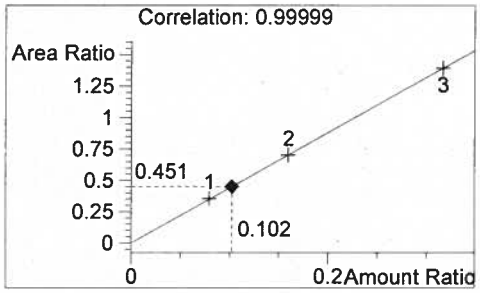
12022 #3
Rebecca Flaherty

vial # 12

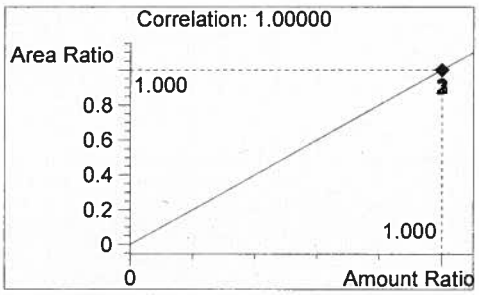


#	Compound	Area	RT
1	Ethanol	1117	1.041
2	n-Propanol	2476	1.705
Tot			

RF



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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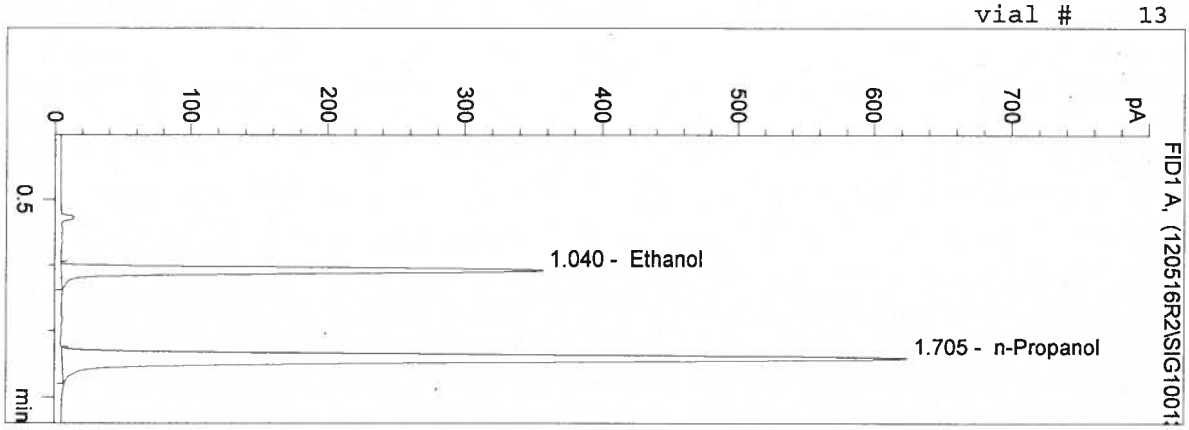
5/16/2012 11:59:16 AM
Instrument 1
DB-ALC1

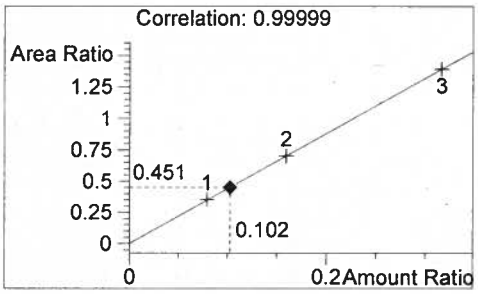
12022 #4
Rebecca Flaherty

vial # 13

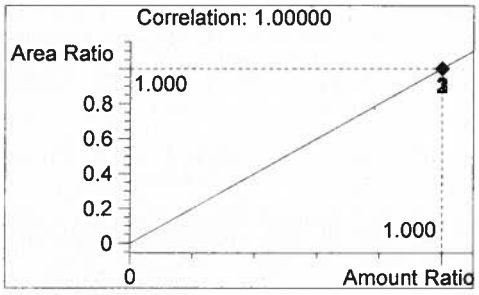


#	Compound	Area	RT
1	Ethanol	1114	1.040
2	n-Propanol	2468	1.705
Tot			

RF



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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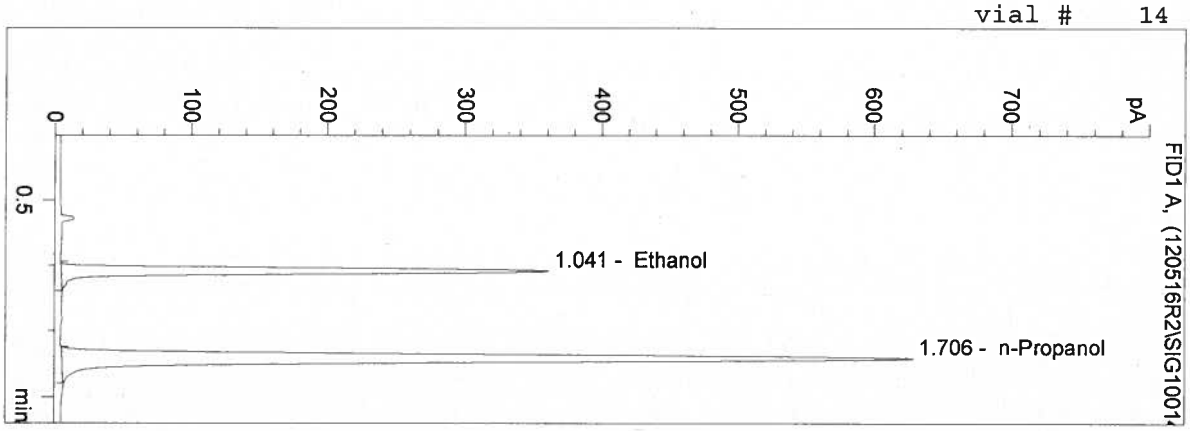
5/16/2012 12:02:20 PM
Instrument 1
DB-ALC1

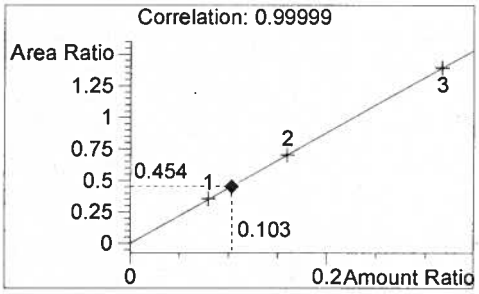
12022 #5
Rebecca Flaherty

vial # 14

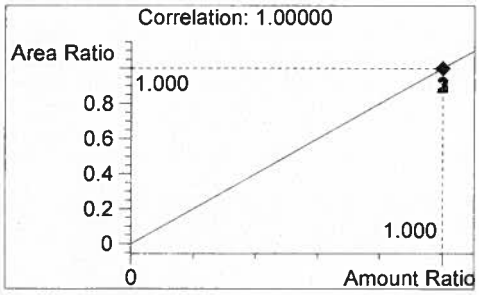


#	Compound	Area	RT
1	Ethanol	1129	1.041
2	n-Propanol	2487	1.706
Tot			

RF



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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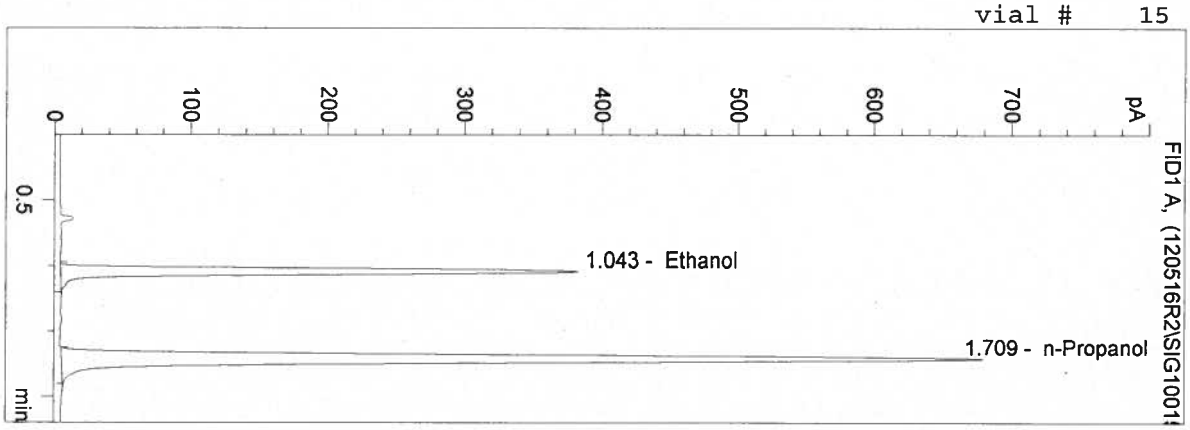
5/16/2012 12:05:25 PM
Instrument 1
DB-ALC1

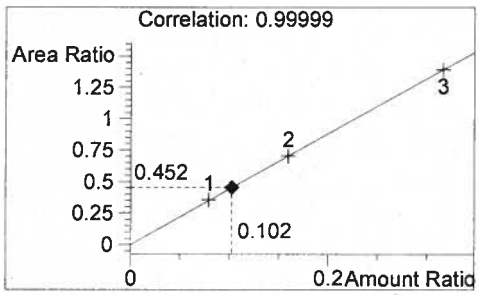
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

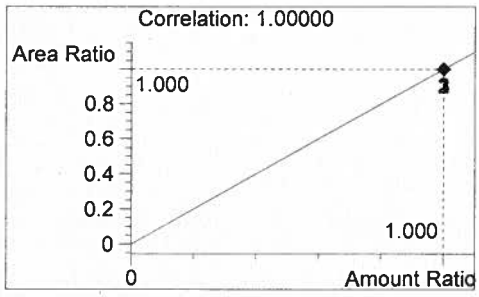


#	Compound	Area	RT
1	Ethanol	1223	1.043
2	n-Propanol	2705	1.709
Tot			

RF



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12022

WASHINGTON STATE TOXICOLOGY LABORATORY

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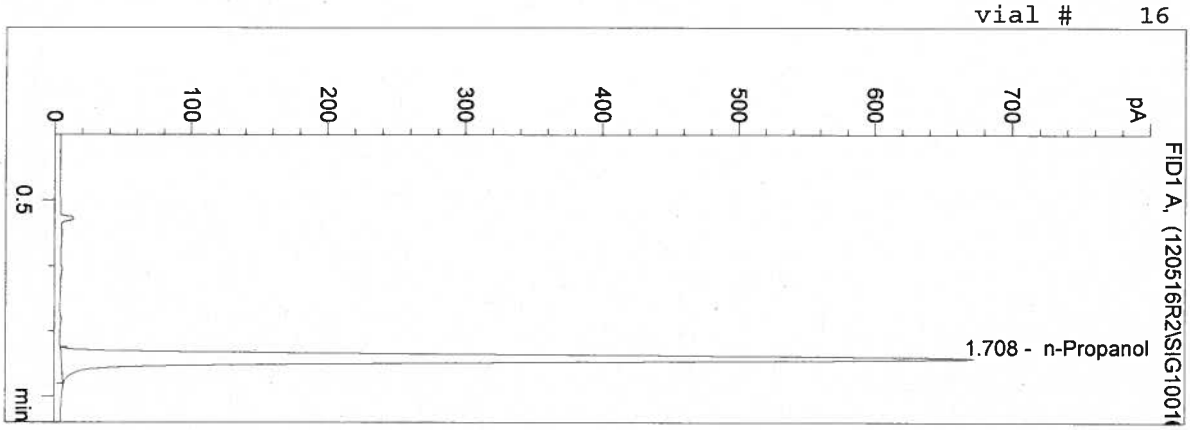
5/16/2012 12:08:30 PM
Instrument 1
DB-ALC1

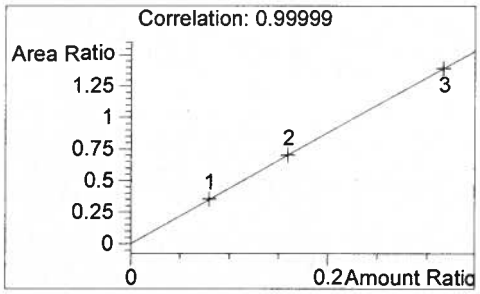
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

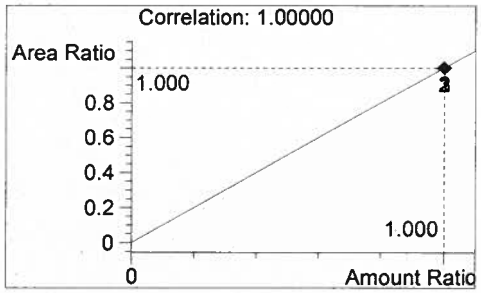


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2678	1.708
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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:	120516A1
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	12022 #1	SIMALC1	1	Sample		
11	Vial 11	12022 #2	SIMALC1	1	Sample		
12	Vial 12	12022 #3	SIMALC1	1	Sample		
13	Vial 13	12022 #4	SIMALC1	1	Sample		
14	Vial 14	12022 #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		

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2012MAY16

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	

1 2 0 2 2

Sequence Table (Back Injector):

No entries - empty table!

AL
2012MAY16

12022

Calibration Table

Calib. Data Modified : Wednesday, May 16, 2012 2:22:59 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
1.042	1	1	7.91800e-2	929.01453	8.52301e-5	1		Ethanol
		2	1.59320e-1	1821.52722	8.74651e-5			
		3	3.16260e-1	3995.41699	7.91557e-5			
1.707	1	1	1.00000	2578.12964	3.87878e-4	I1		n-Propanol
		2	1.00000	2550.58813	3.92066e-4			
		3	1.00000	2791.88501	3.58181e-4			

Peak Sum Table

No Entries in table

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2012MAY16

12022

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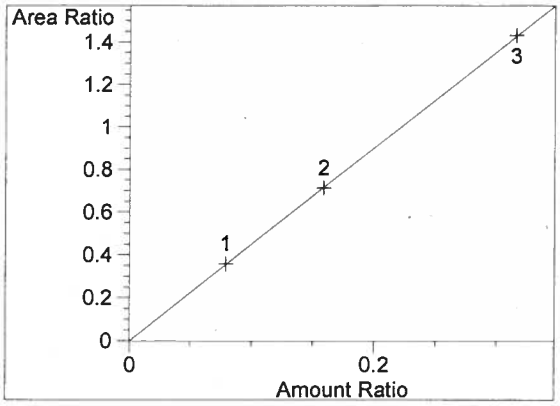
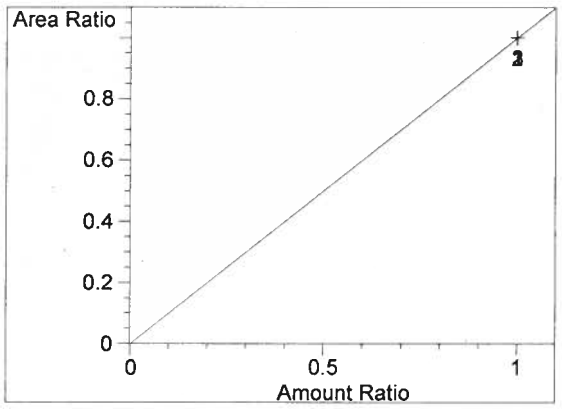
Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00465
Formula: y = mx + b
m: 4.52024
b: -5.14835e-4
x: Amount Ratio
y: Area Ratio



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

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AR
2012 MAY 16

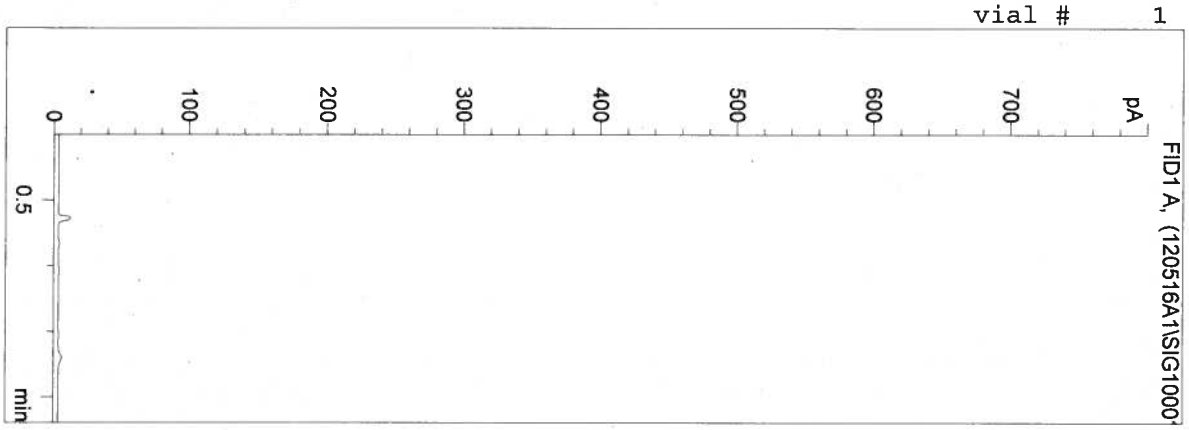
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

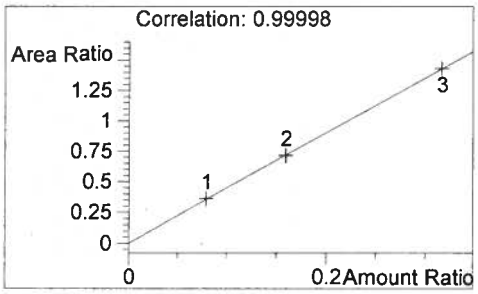
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 2:11:32 PM
Instrument 1
DB-ALC1

blank
asa louis

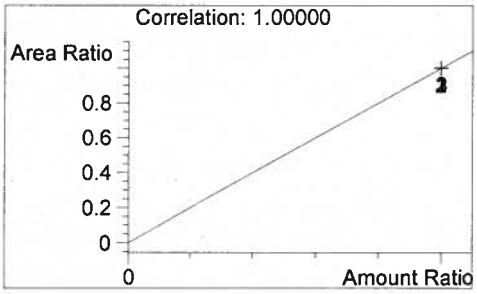
vial # 1



#	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

2012 MAY 16

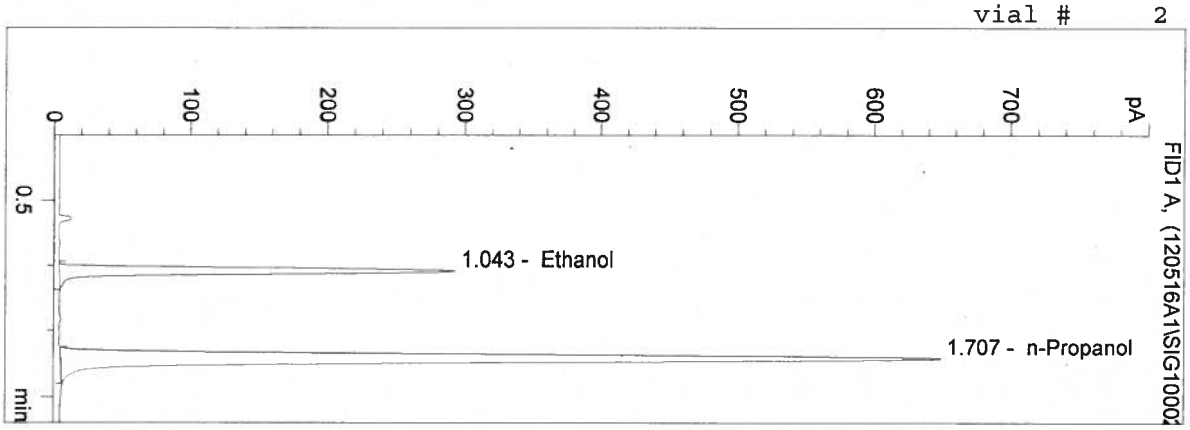
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

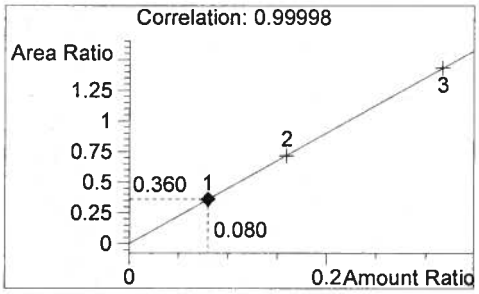
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 2:14:36 PM
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

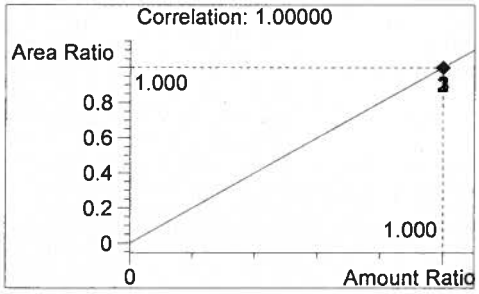
vial # 2



#	Compound	Area	RT
1	Ethanol	929	1.043
2	n-Propanol	2578	1.707
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 16

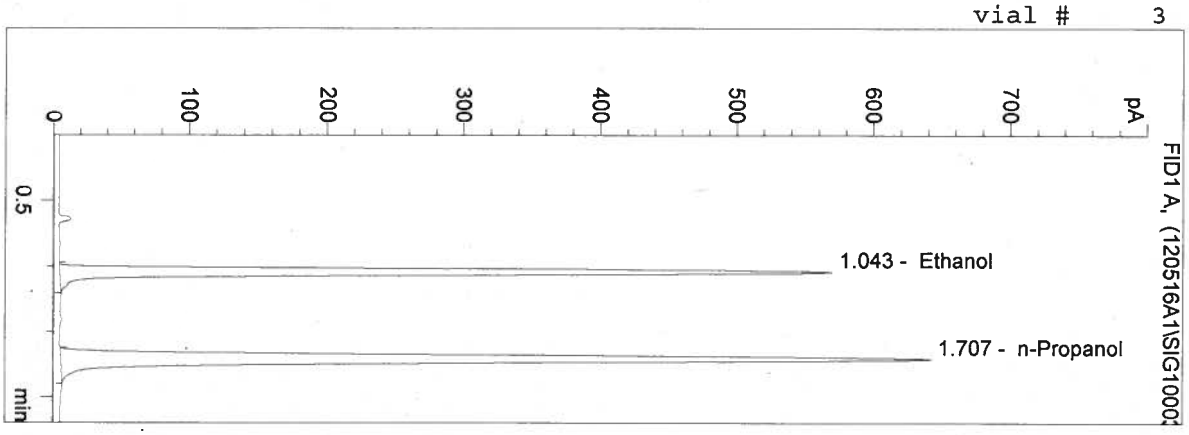
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

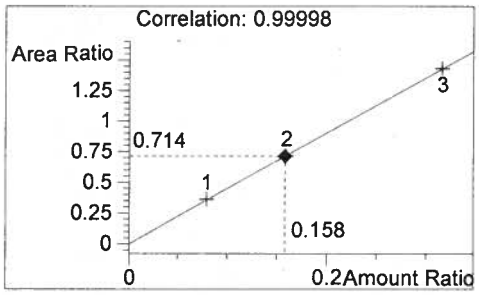
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 2:17:41 PM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

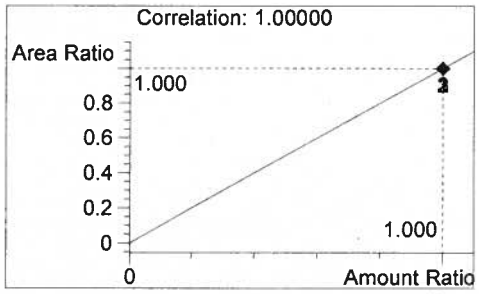
vial # 3



#	Compound	Area	RT
1	Ethanol	1822	1.043
2	n-Propanol	2551	1.707
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

2012 may 16

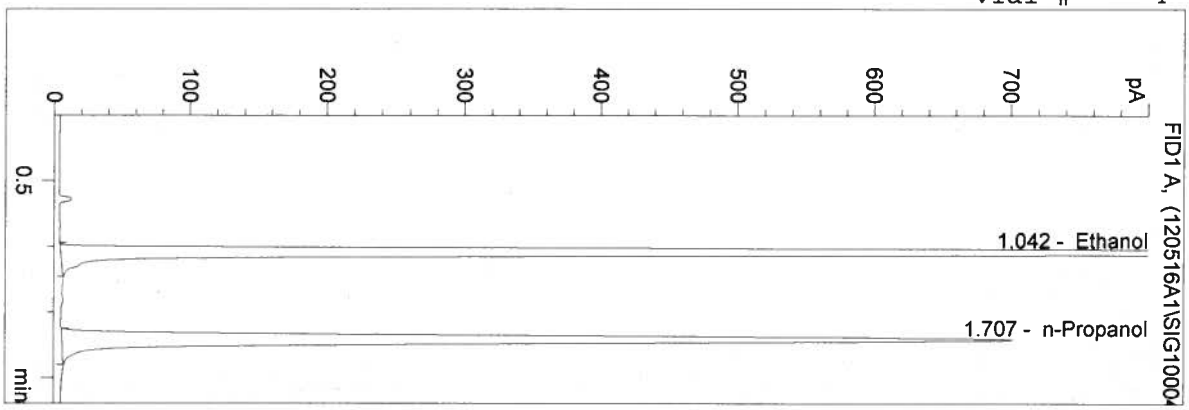
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

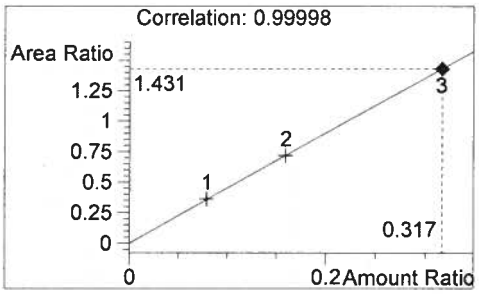
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 2:20:46 PM
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

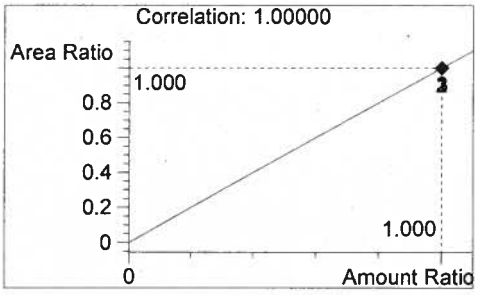
vial # 4



#	Compound	Area	RT
1	Ethanol	3995	1.042
2	n-Propanol	2792	1.707
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 MAY 16

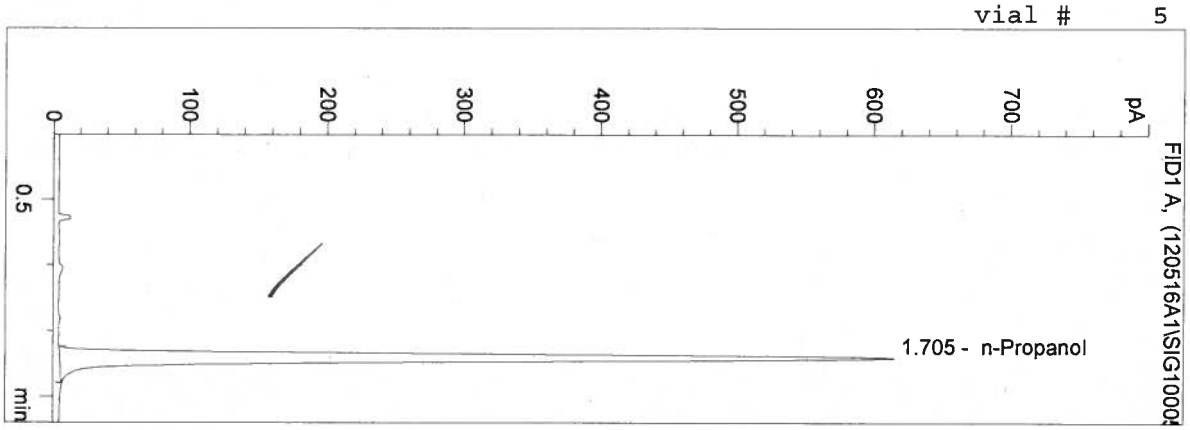
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

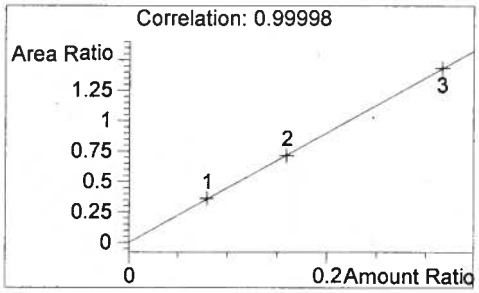
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 2:23:51 PM
Instrument 1
DB-ALC1

neg control - al
asa louis

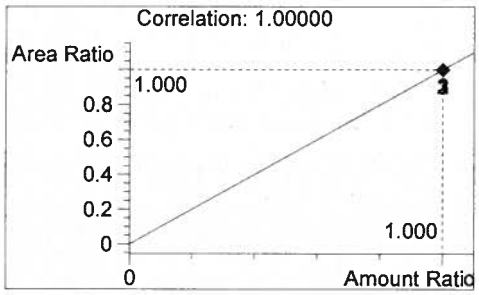
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2439	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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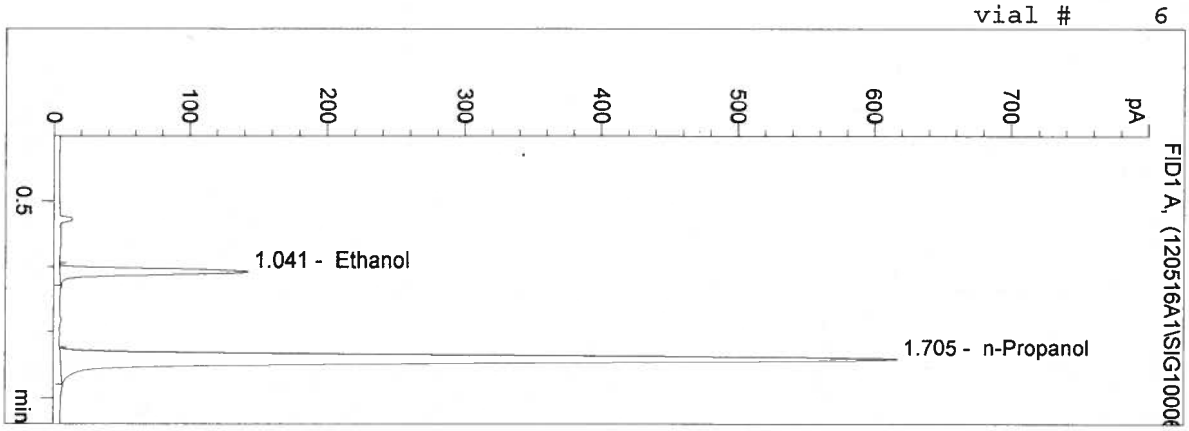
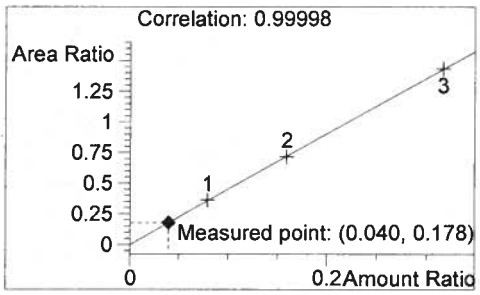
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

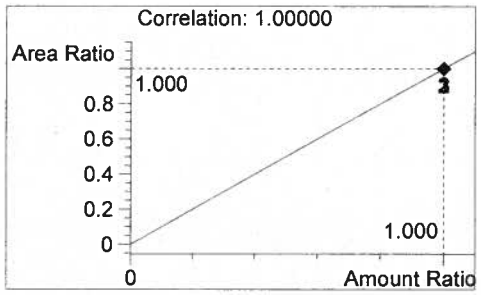
vial # 6



#	Compound	Area	RT
1	Ethanol	435	1.041
2	n-Propanol	2444	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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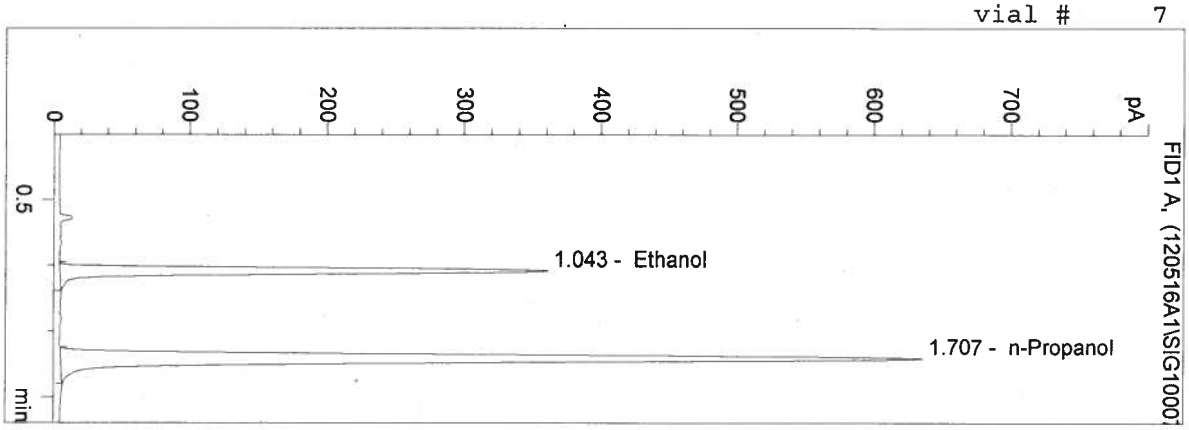
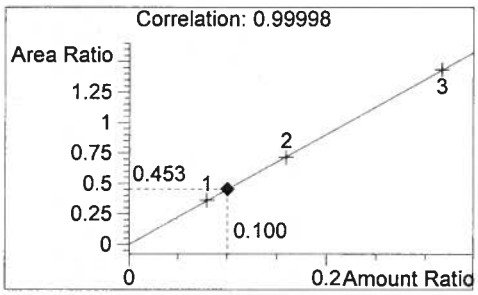
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

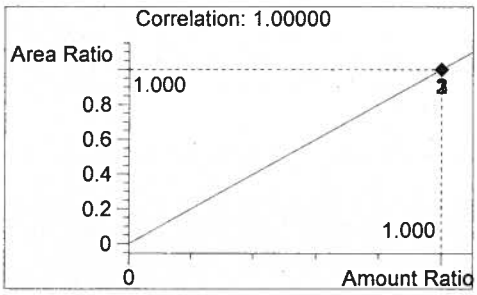
vial # 7



#	Compound	Area	RT
1	Ethanol	1146	1.043
2	n-Propanol	2531	1.707
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 16

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WASHINGTON STATE TOXICOLOGY LABORATORY

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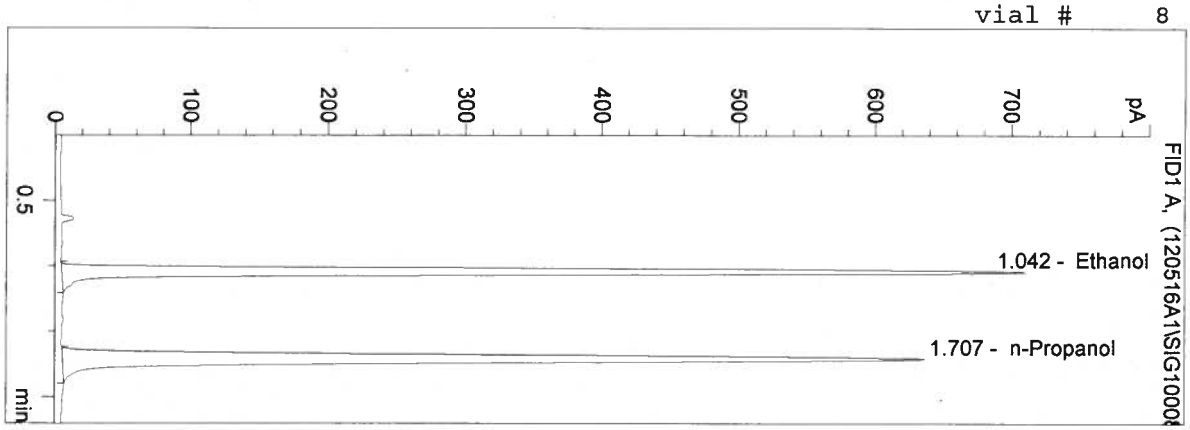
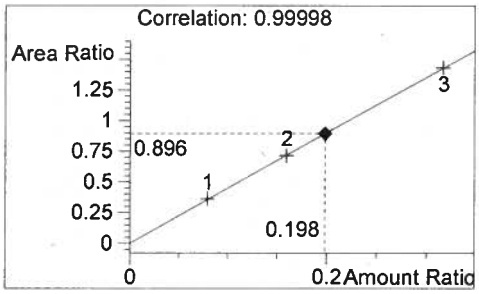
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

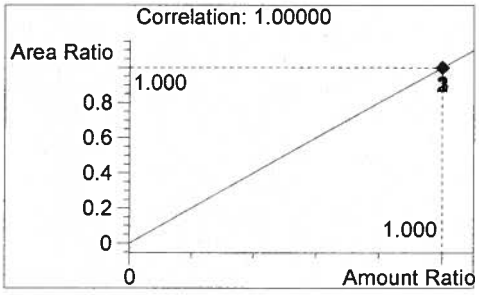
vial # 8



#	Compound	Area	RT
1	Ethanol	2260	1.042
2	n-Propanol	2523	1.707
Tot			



Ethanol 0.198 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 14

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WASHINGTON STATE TOXICOLOGY LABORATORY

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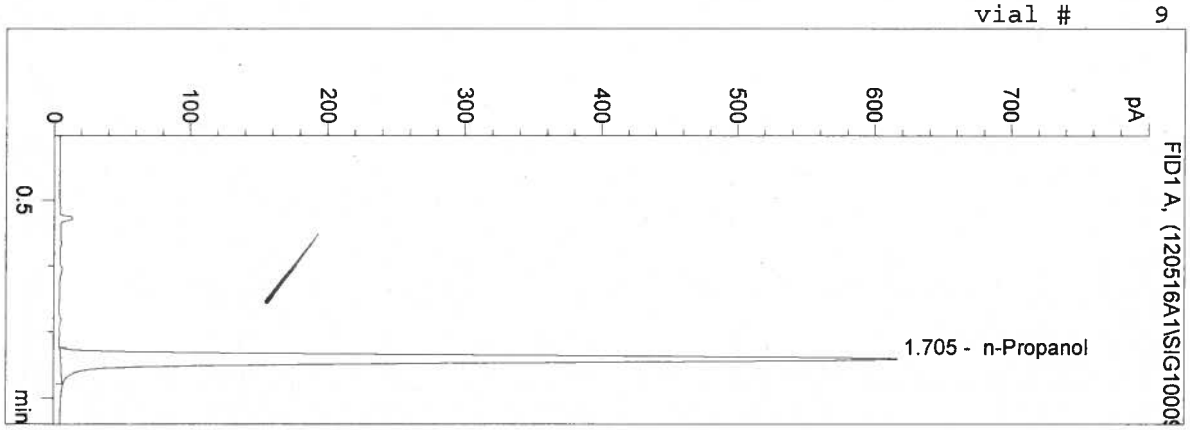
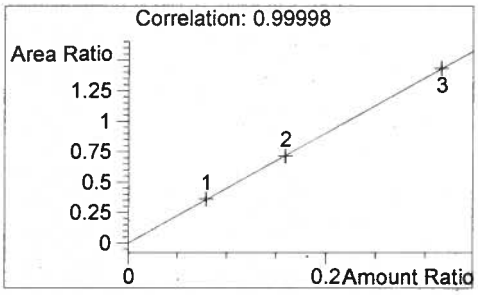
Instrument 1
DB-ALC1

neg control - al
asa louis

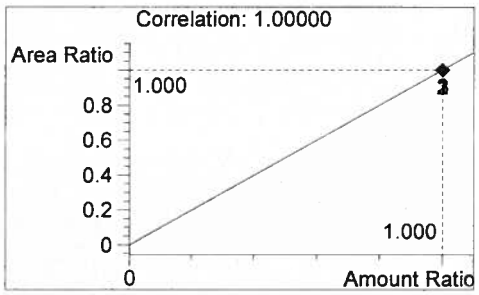
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2451	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 14

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WASHINGTON STATE TOXICOLOGY LABORATORY

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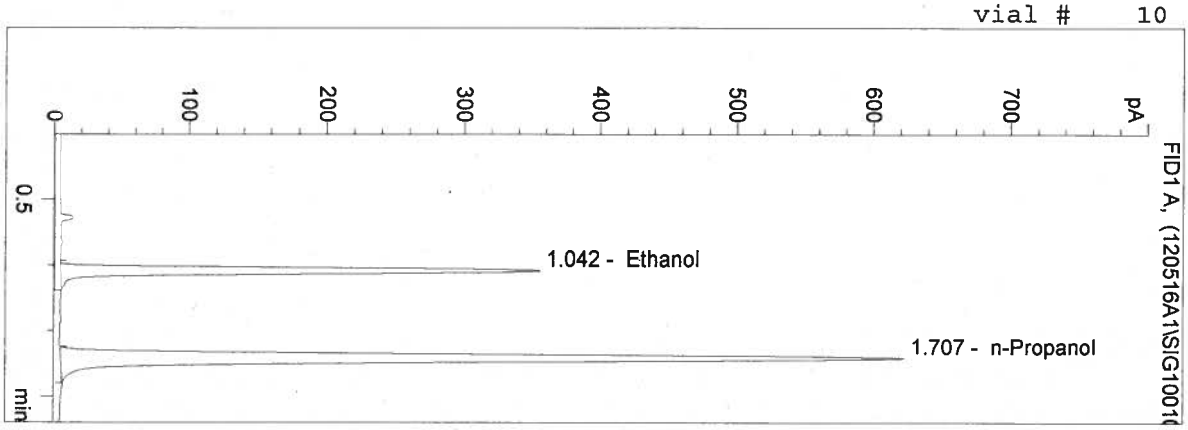
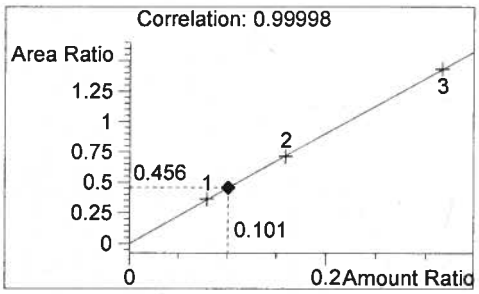
Instrument 1
DB-ALC1

12022 #1
asa louis

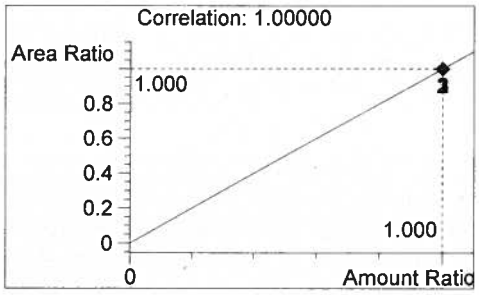
vial # 10



#	Compound	Area	RT
1	Ethanol	1127	1.042
2	n-Propanol	2473	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY 16

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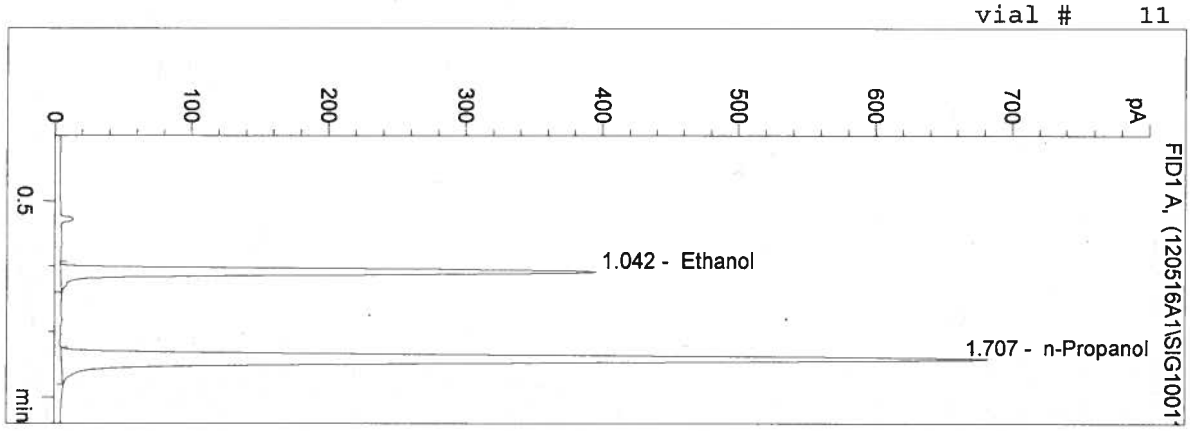
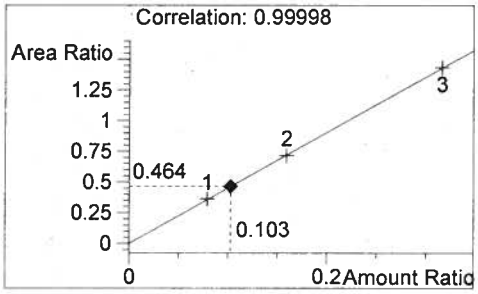
Instrument 1
DB-ALC1

12022 #2
asa louis

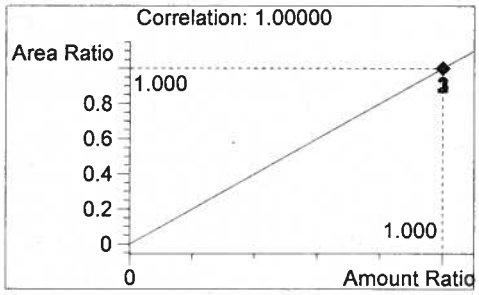
vial # 11



#	Compound	Area	RT
1	Ethanol	1260	1.042
2	n-Propanol	2716	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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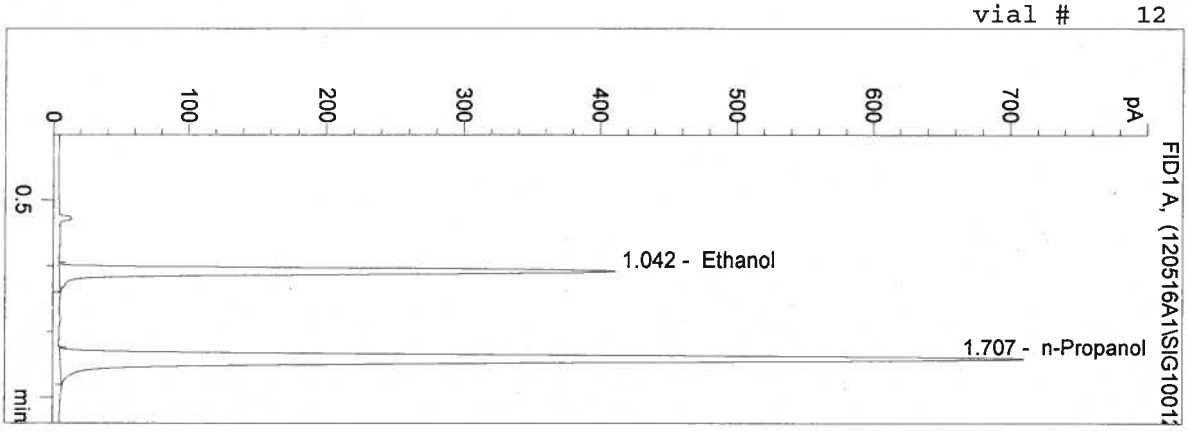
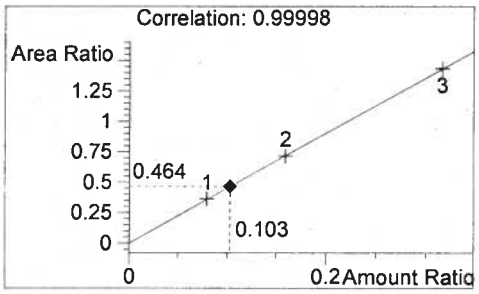
Instrument 1
DB-ALC1

12022 #3
asa louis

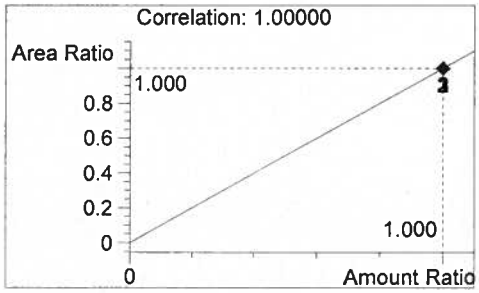
vial # 12



#	Compound	Area	RT
1	Ethanol	1312	1.042
2	n-Propanol	2829	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAY16

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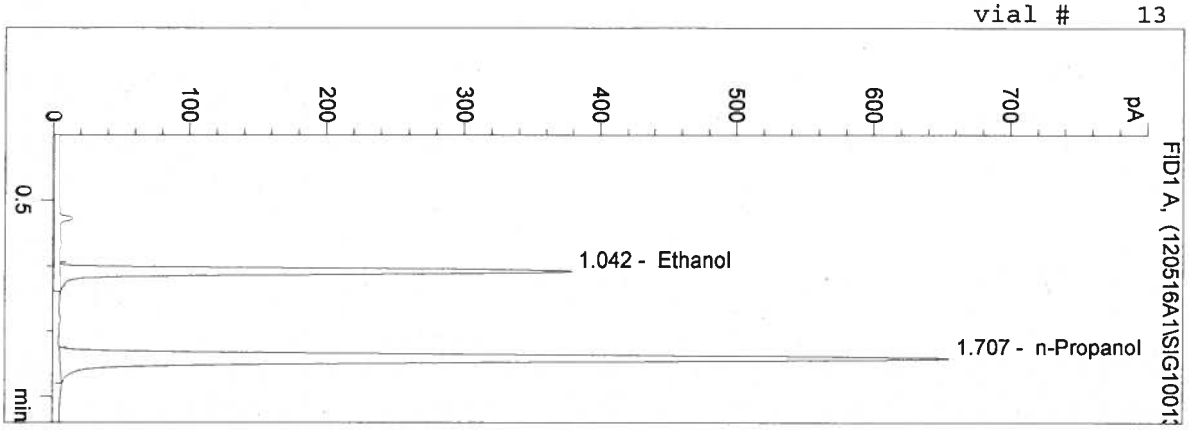
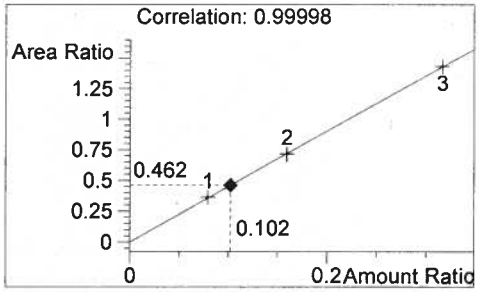
Instrument 1
DB-ALC1

12022 #4
asa louis

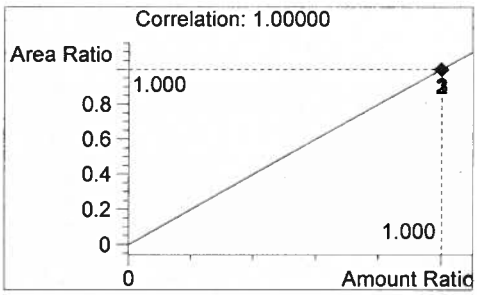
vial # 13



#	Compound	Area	RT
1	Ethanol	1204	1.042
2	n-Propanol	2606	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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2012MAY16

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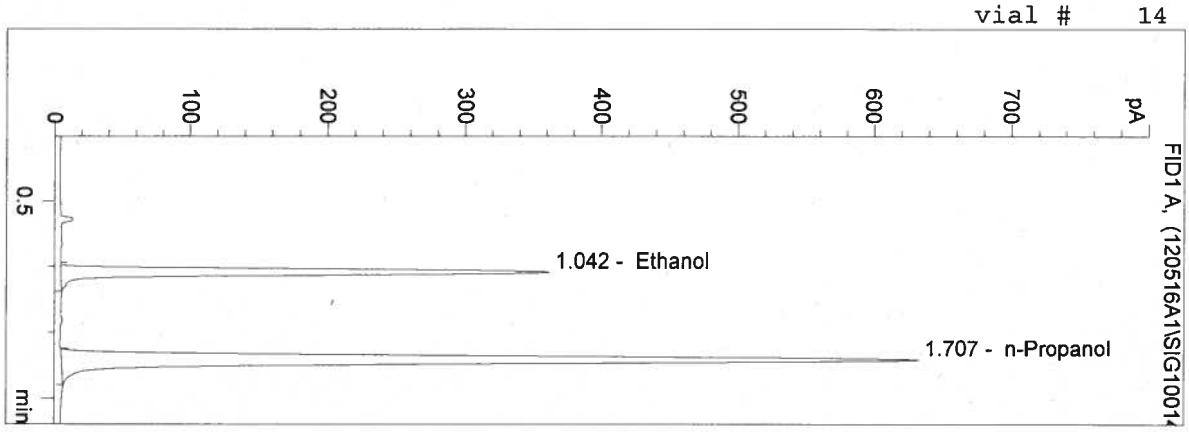
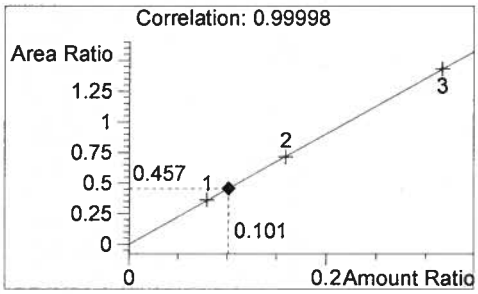
Instrument 1
DB-ALC1

12022 #5
asa louis

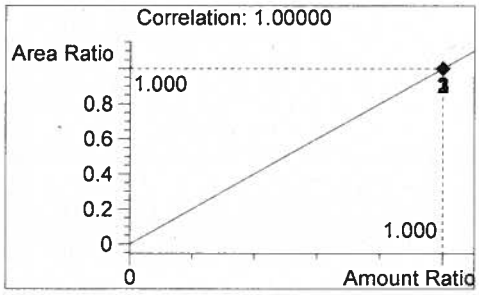
vial # 14



#	Compound	Area	RT
1	Ethanol	1145	1.042
2	n-Propanol	2506	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

AA
2012 May 16

WASHINGTON STATE TOXICOLOGY LABORATORY

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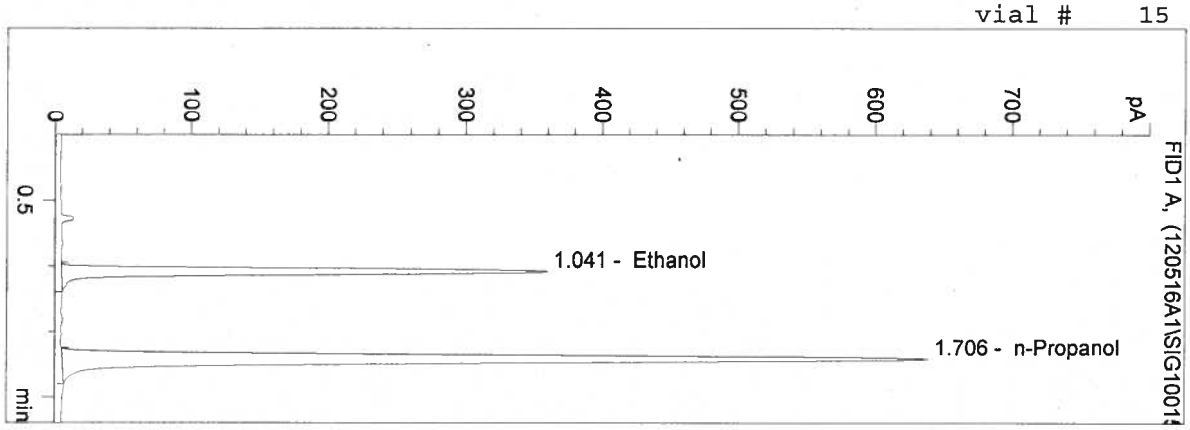
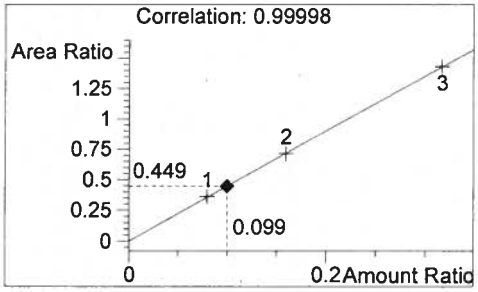
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

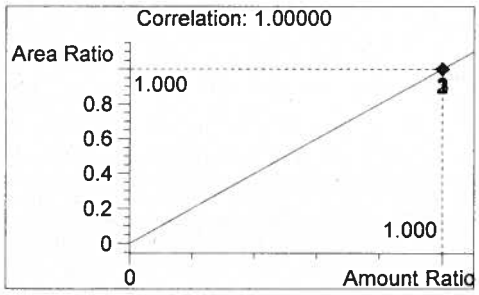
vial # 15



#	Compound	Area	RT
1	Ethanol	1136	1.041
2	n-Propanol	2532	1.706
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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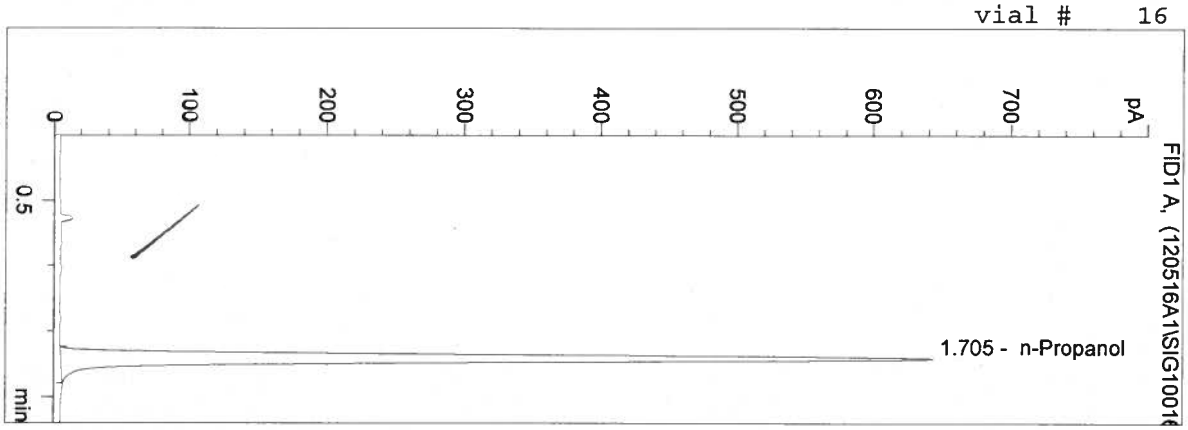
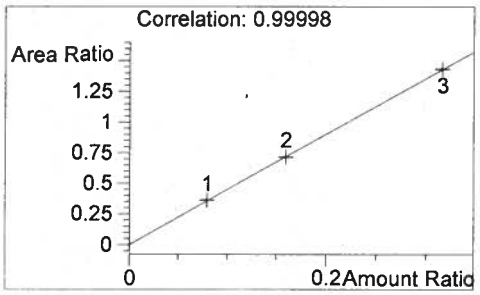
Instrument 1
DB-ALC1

neg control - al
asa louis

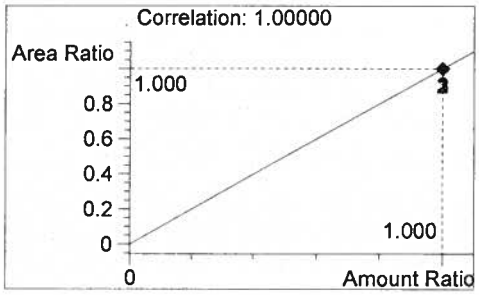
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2549	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120516CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E0412-01 - Exp. 07/11/2012
3	Vial 3	Ethanol Calibrator 2, E0412-02 - Exp. 07/11/2012
4	Vial 4	Ethanol Calibrator 3, E0412-03 - Exp. 07/11/2012
5	Vial 5	
6	Vial 6	0.04 Control - Lot #A077459 - Exp. 02/2015
7	Vial 7	0.10 Control - Lot #A083355 - Exp. 12/2015
8	Vial 8	0.20 Control - Lot #A076521 - Exp. 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	0.10 Control - Lot ~~#A075806~~ A083355 - Exp. ~~11/2014~~ 12/2015

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CJ

CJ 5/23/2012

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 12022 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 12022 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 12022 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 12022 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 12022 #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!

12022

CJ

Calibration Table

Calib. Data Modified : Wednesday, May 16, 2012 9:18:56 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	7.91800e-2	976.95856	8.10475e-5	1		Ethanol
		2	1.59320e-1	1733.12146	9.19266e-5			
		3	3.16260e-1	3420.17969	9.24688e-5			
1.704	1	1	1.00000	2670.69604	3.74434e-4	I1		n-Propanol
		2	1.00000	2463.69531	4.05894e-4			
		3	1.00000	2457.40259	4.06934e-4			

Peak Sum Table

No Entries in table

12022

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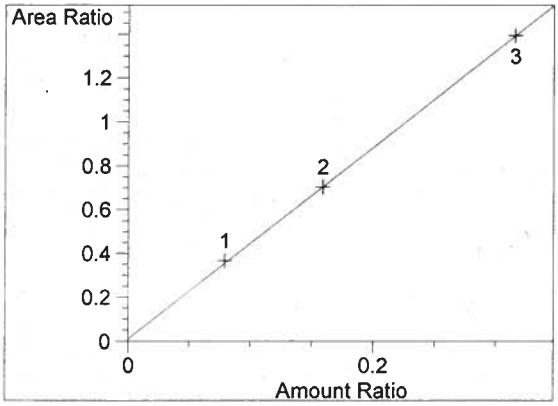
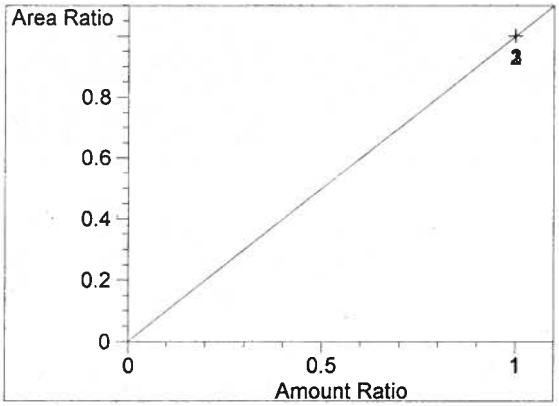
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99991
Residual Std. Dev.: 0.00980
Formula: y = mx + b
m: 4.38278
b: 7.41689e-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

==========

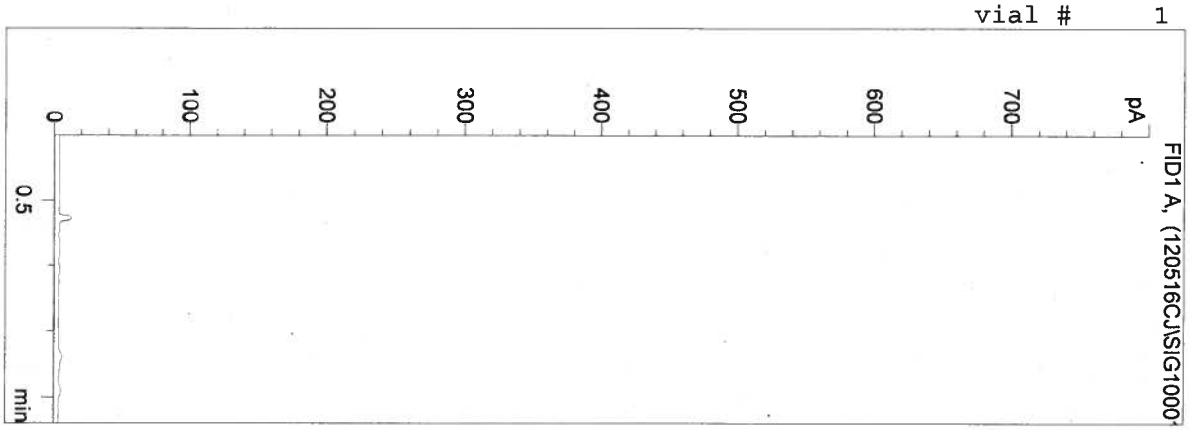
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

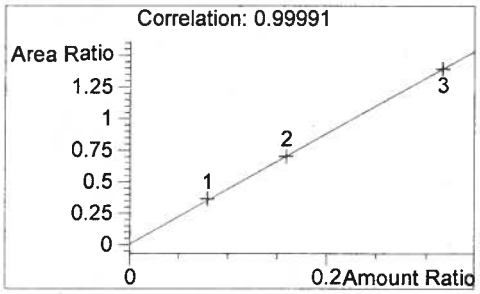
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:07:24 PM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

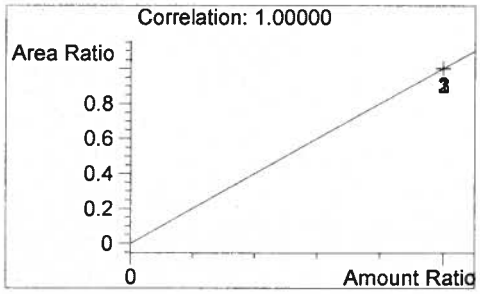
vial # 1



#	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

12022

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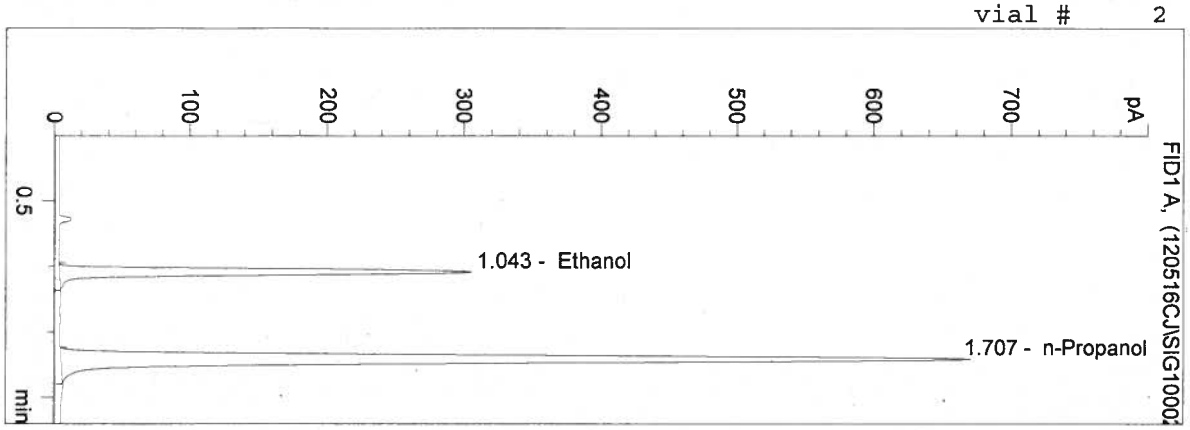
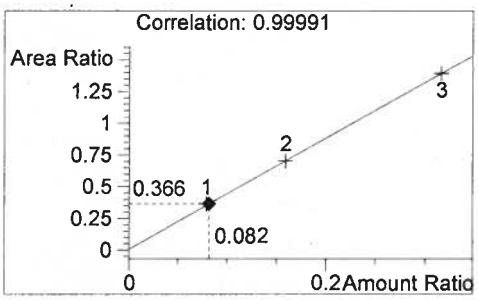
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

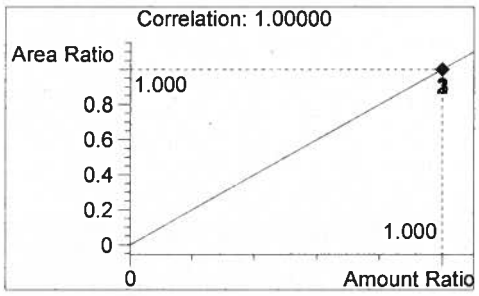
vial # 2



#	Compound	Area	RT
1	Ethanol	977	1.043
2	n-Propanol	2671	1.707
Tot			



Ethanol 0.082 g/100 mL



n-Propanol 1.000 g/100 mL

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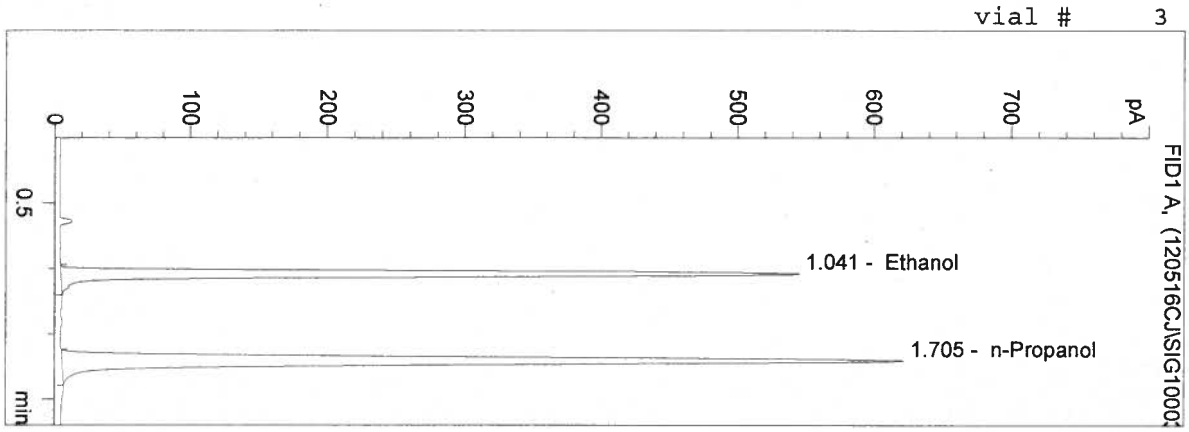
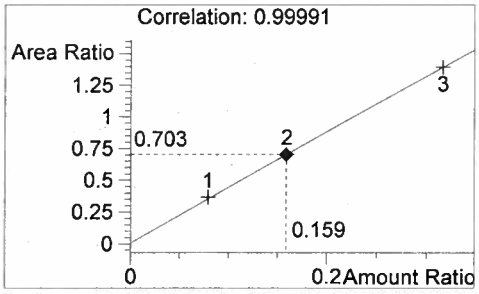
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

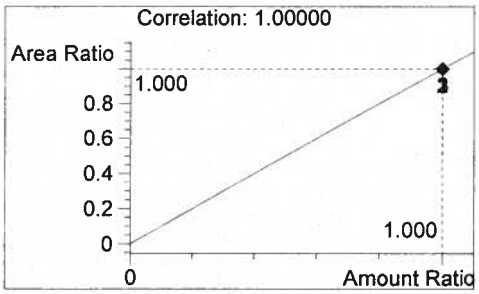
vial # 3



#	Compound	Area	RT
1	Ethanol	1733	1.041
2	n-Propanol	2464	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

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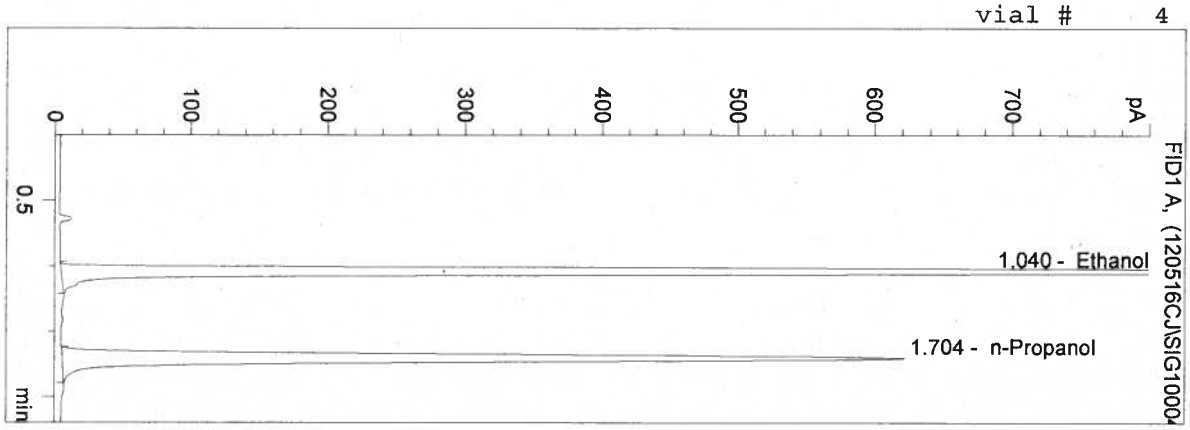
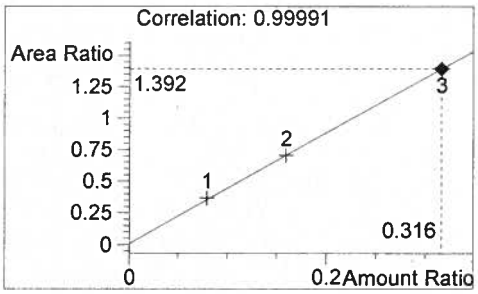
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

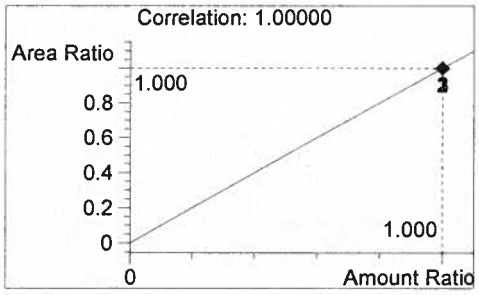
vial # 4



#	Compound	Area	RT
1	Ethanol	3420	1.040
2	n-Propanol	2457	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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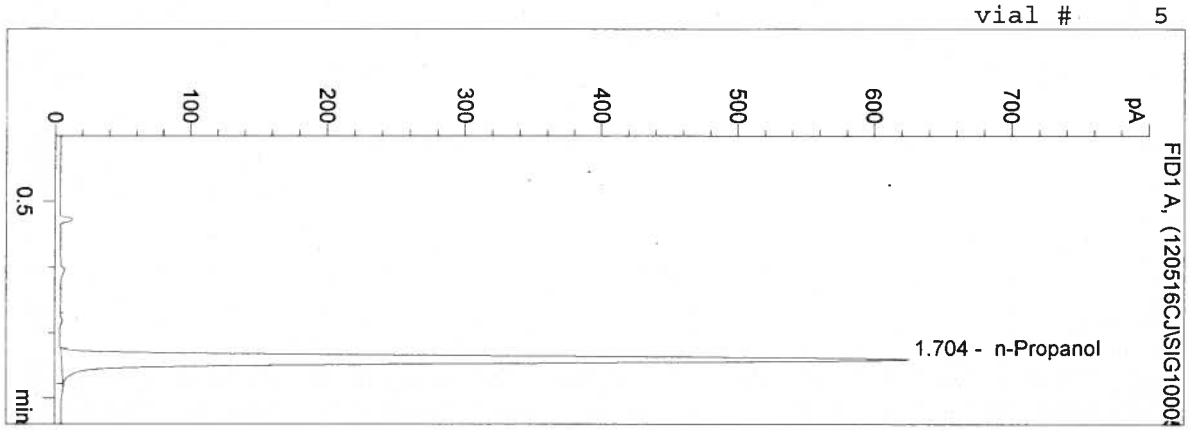
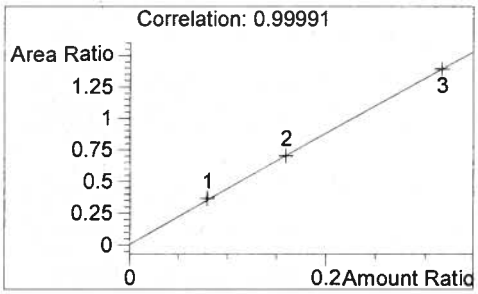
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

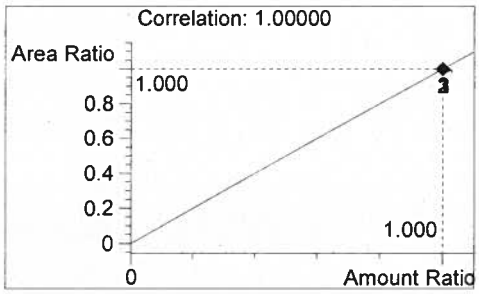
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2472	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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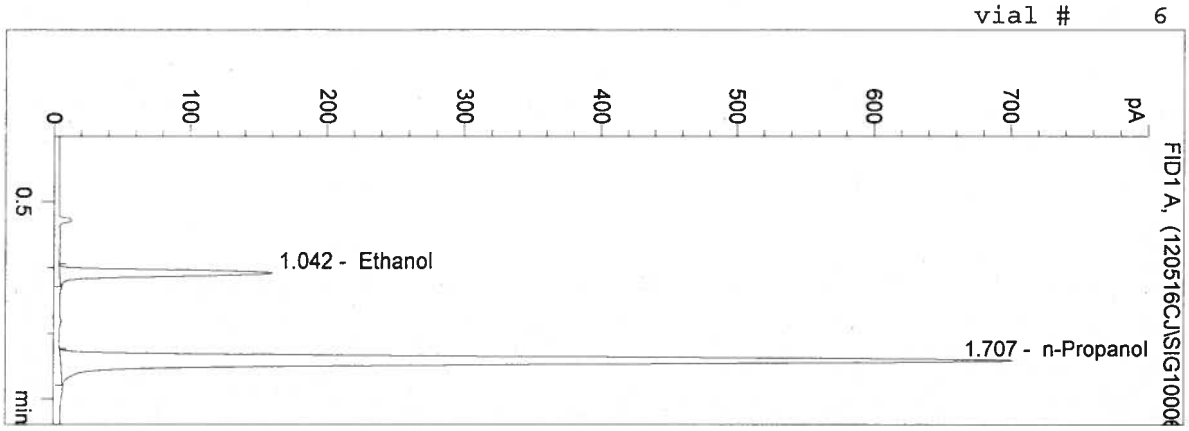
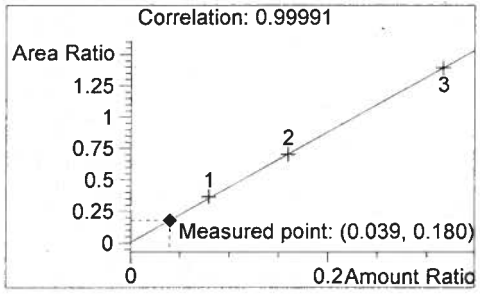
Instrument 1
DB-ALC1

0.04 CTRL-CJ
Chris Johnston

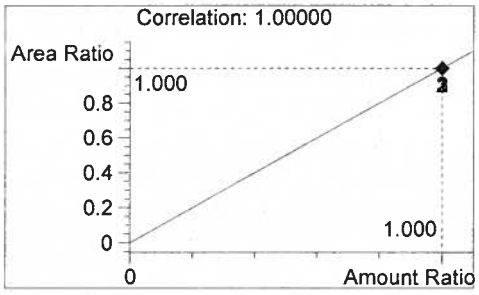
vial # 6



#	Compound	Area	RT
1	Ethanol	502	1.042
2	n-Propanol	2793	1.707
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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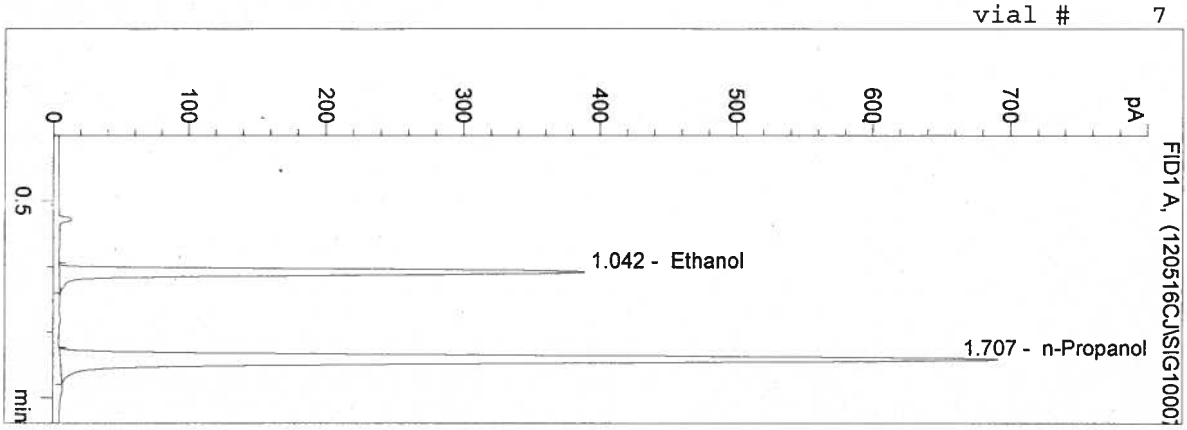
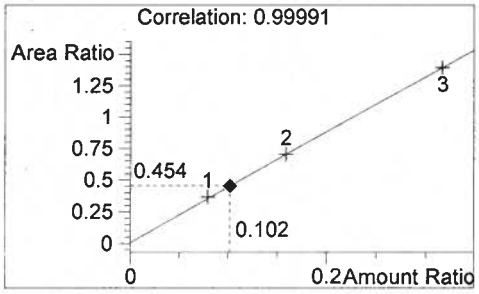
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

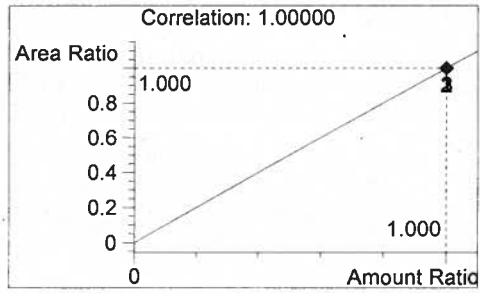
vial # 7



#	Compound	Area	RT
1	Ethanol	1250	1.042
2	n-Propanol	2754	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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12022

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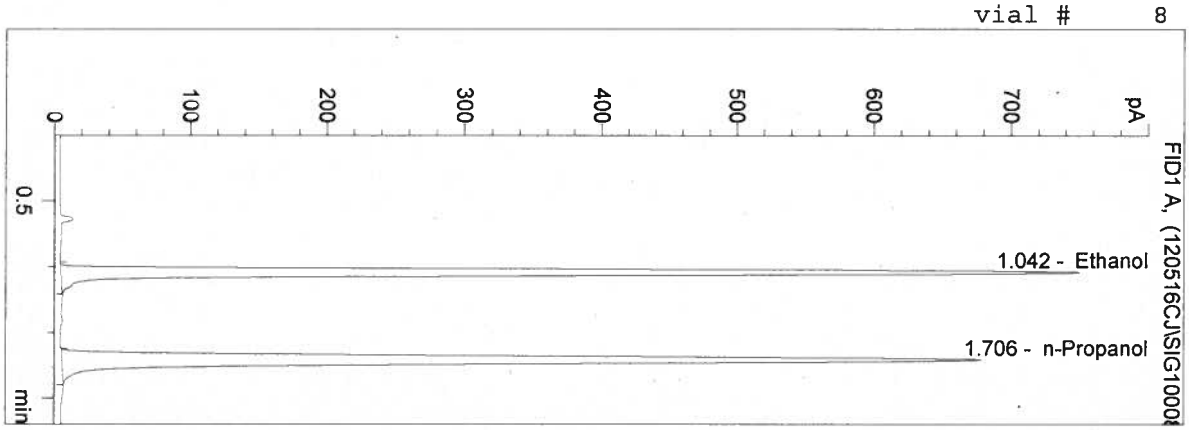
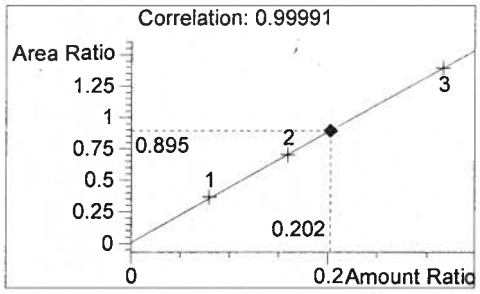
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

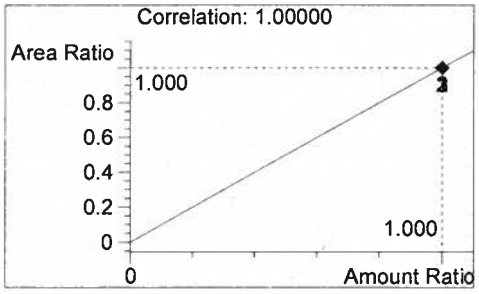
vial # 8



#	Compound	Area	RT
1	Ethanol	2406	1.042
2	n-Propanol	2689	1.706
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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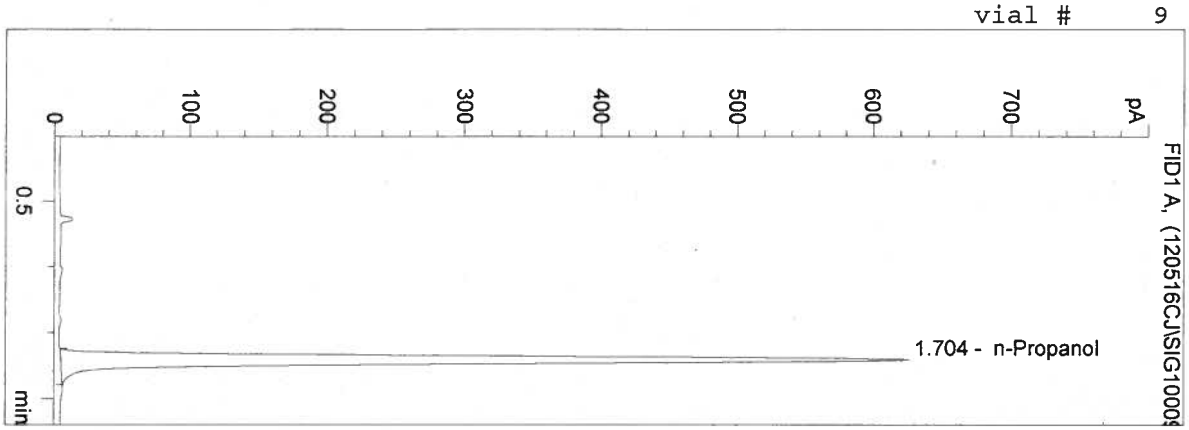
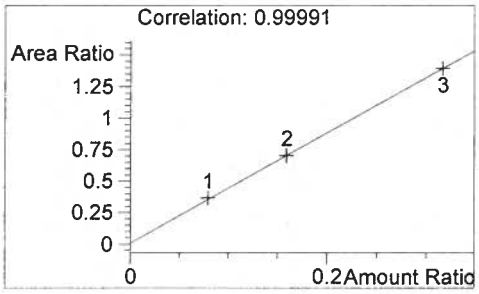
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

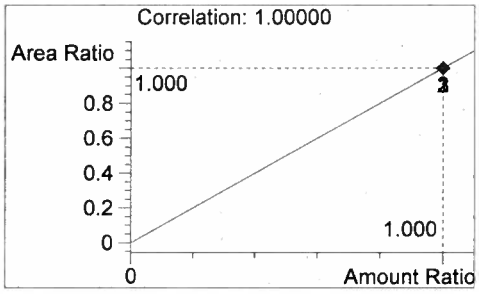
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2469	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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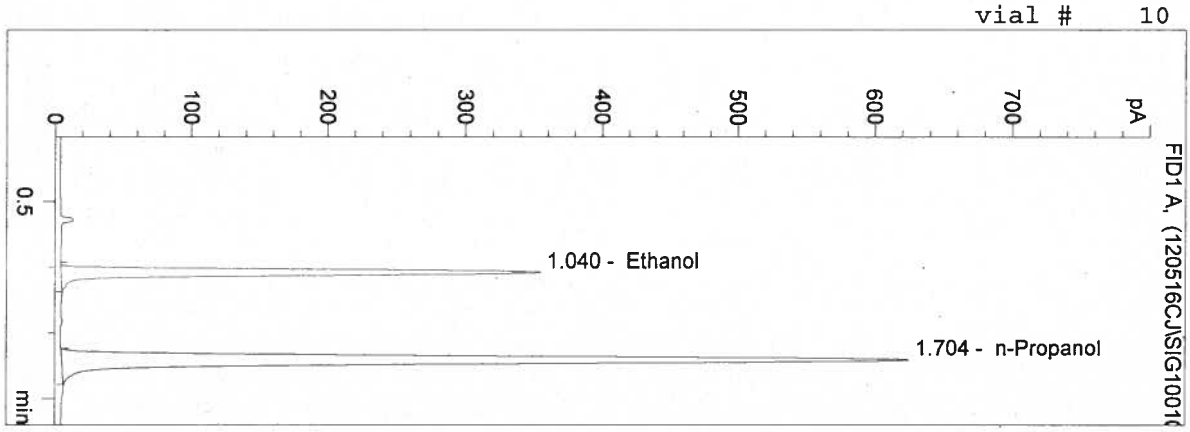
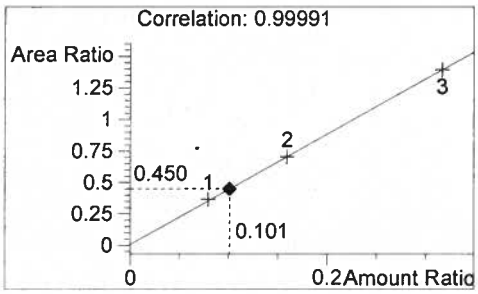
Instrument 1
DB-ALC1

ESS 12022 #1
Chris Johnston

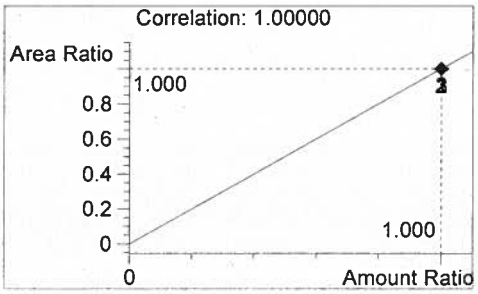
vial # 10



#	Compound	Area	RT
1	Ethanol	1112	1.040
2	n-Propanol	2471	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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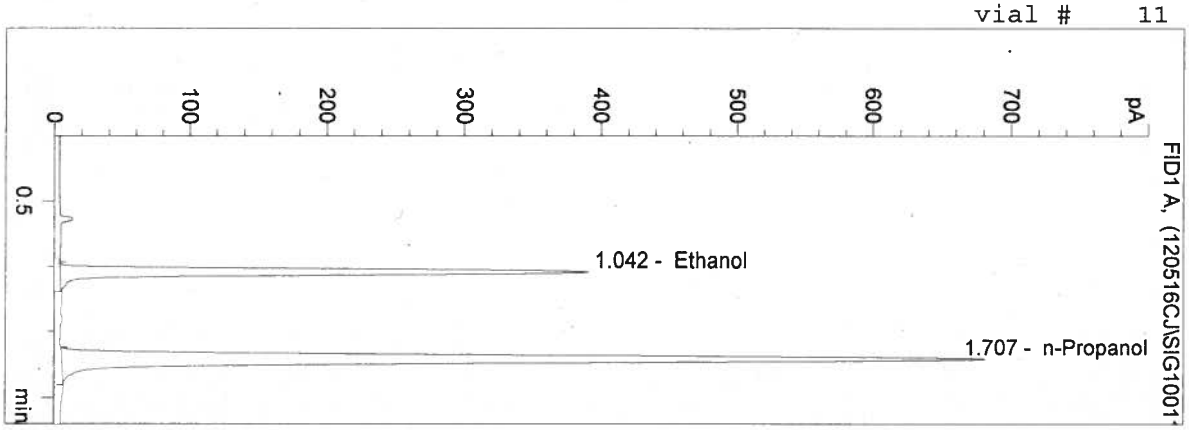
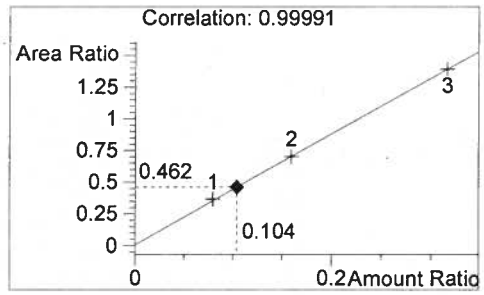
Instrument 1
DB-ALC1

ESS 12022 #2
Chris Johnston

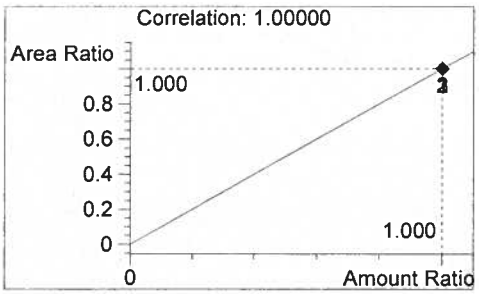
vial # 11



#	Compound	Area	RT
1	Ethanol	1253	1.042
2	n-Propanol	2712	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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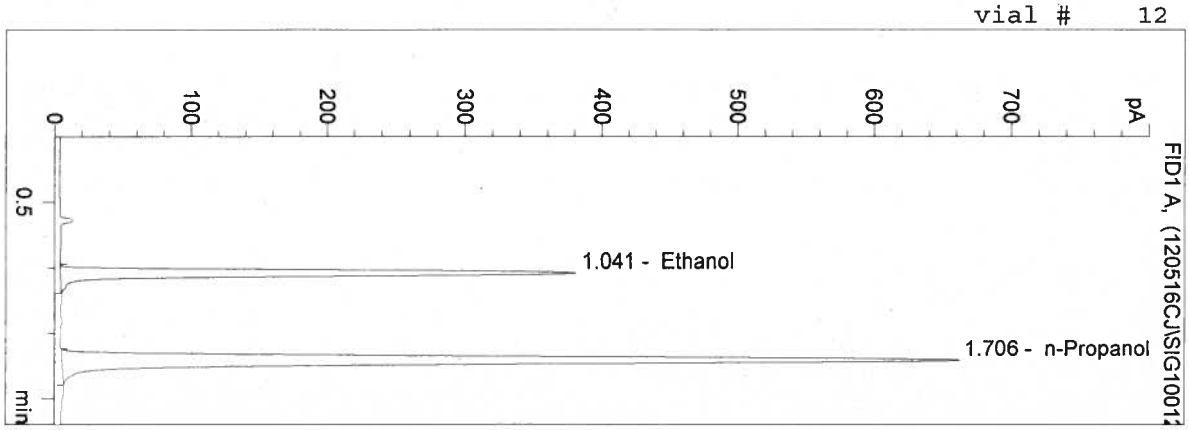
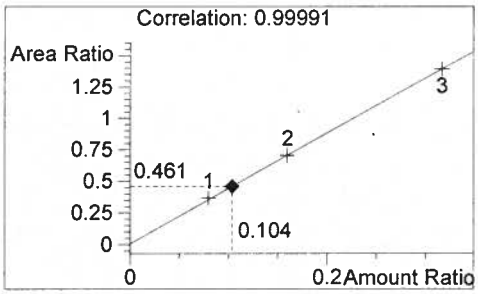
Instrument 1
DB-ALC1

ESS 12022 #3
Chris Johnston

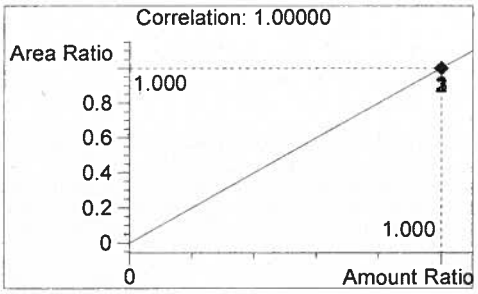
vial # 12



#	Compound	Area	RT
1	Ethanol	1211	1.041
2	n-Propanol	2627	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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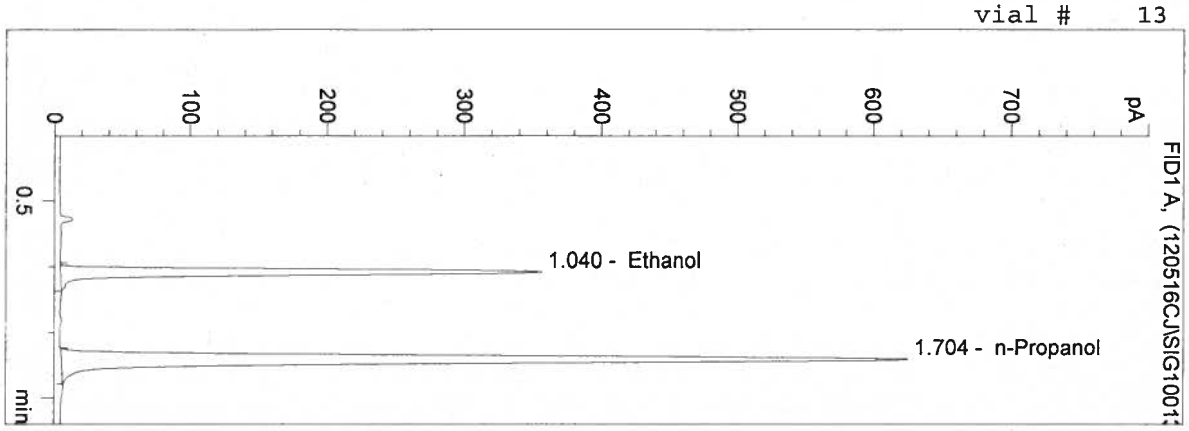
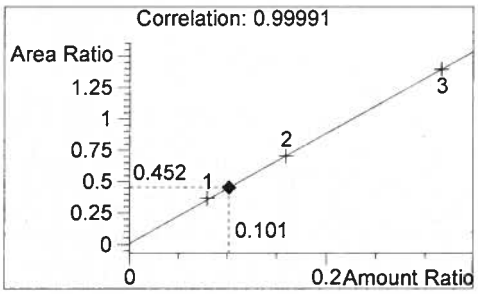
Instrument 1
DB-ALC1

ESS 12022 #4
Chris Johnston

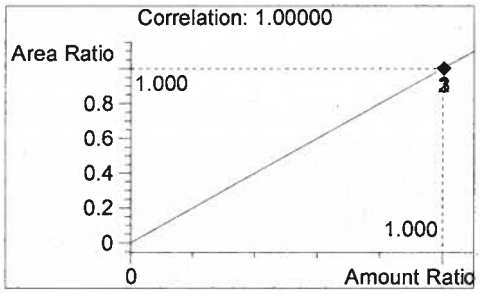
vial # 13



#	Compound	Area	RT
1	Ethanol	1117	1.040
2	n-Propanol	2469	1.704
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

C/

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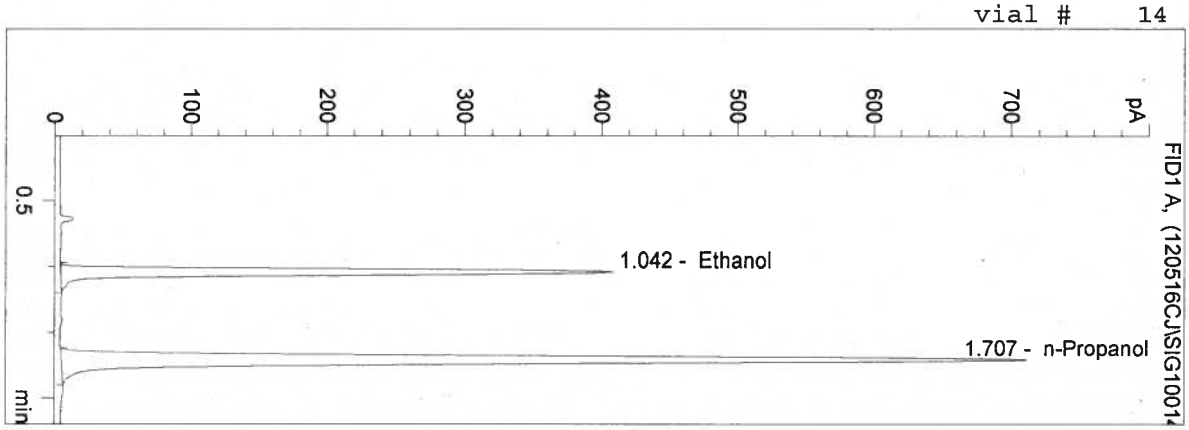
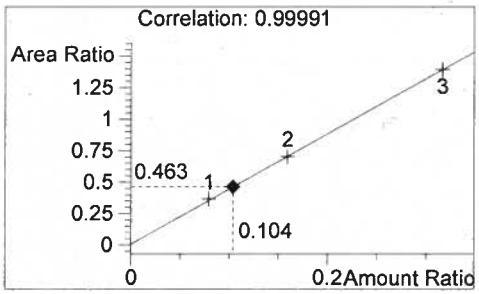
Instrument 1
DB-ALC1

ESS 12022 #5
Chris Johnston

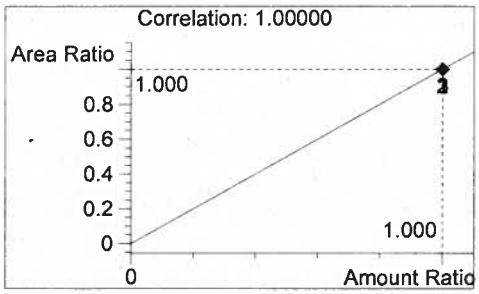
vial # 14



#	Compound	Area	RT
1	Ethanol	1309	1.042
2	n-Propanol	2828	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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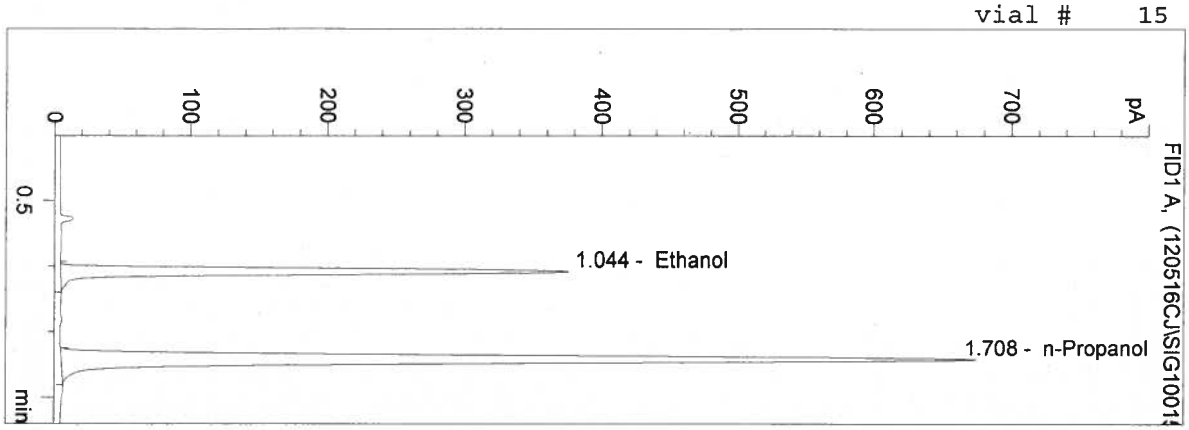
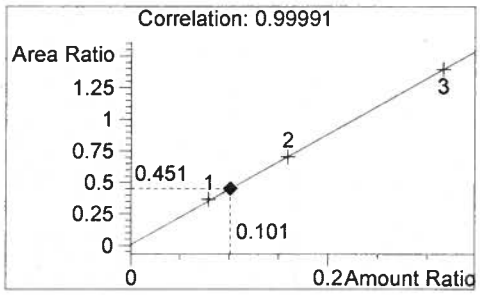
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

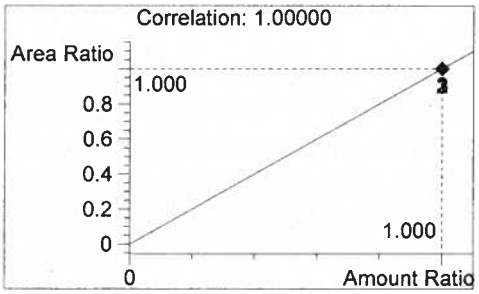
vial # 15



#	Compound	Area	RT
1	Ethanol	1214	1.044
2	n-Propanol	2690	1.708
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12022

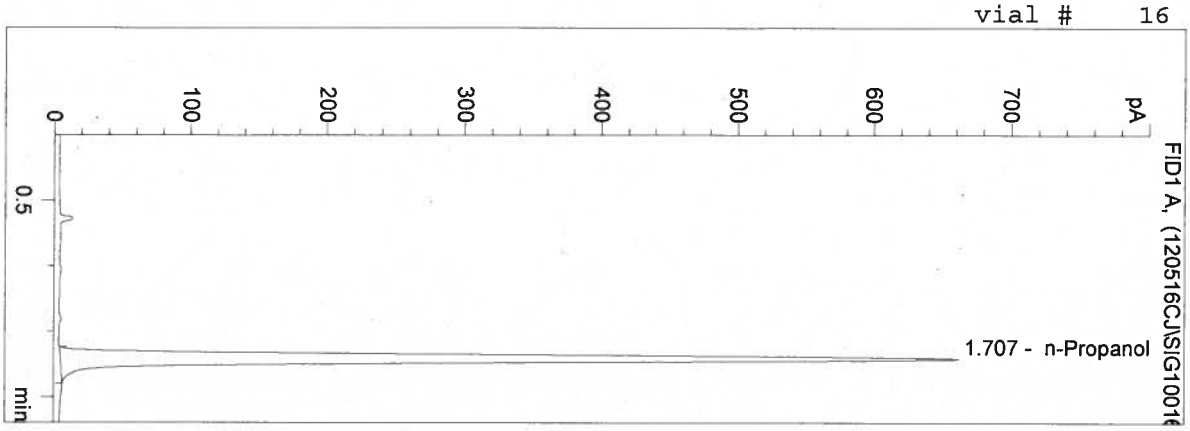
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

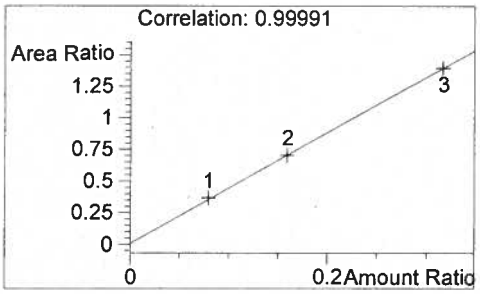
C:\HPCHEM\1\METHODS\SIMALC1.M
5/16/2012 9:53:39 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

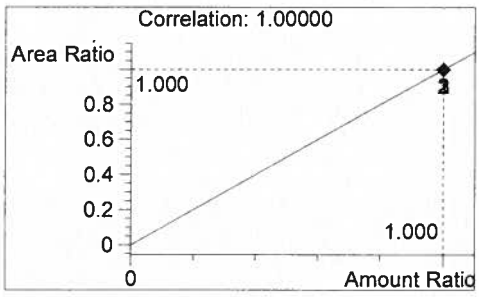
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2634	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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

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:	120521SS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	0.079 Calibrator - Lot # E0412-01 - exp 7/11/12
3	Vial 3	0.158 Calibrator - Lot # E0412-02 - exp 7/11/12
4	Vial 4	0.316 Calibrator - Lot # E0412-03 - exp 7/11/12
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

SMS 12022

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	12022 #1	SIMALC1	1	Sample		
11	Vial 11	12022 #2	SIMALC1	1	Sample		
12	Vial 12	12022 #3	SIMALC1	1	Sample		
13	Vial 13	12022 #4	SIMALC1	1	Sample		
14	Vial 14	12022 #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!

12022

Calibration Table

Calib. Data Modified : Monday, May 21, 2012 8:52:29 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
1.043	1	1	7.91800e-2	902.65430	8.77191e-5		1	Ethanol
		2	1.59320e-1	1990.23755	8.00507e-5			
		3	3.16260e-1	3569.07983	8.86111e-5			
1.707	1	1	1.00000	2540.97510	3.93550e-4	I1		n-Propanol
		2	1.00000	2792.10254	3.58153e-4			
		3	1.00000	2527.23486	3.95689e-4			

Peak Sum Table

No Entries in table

12022

SMS

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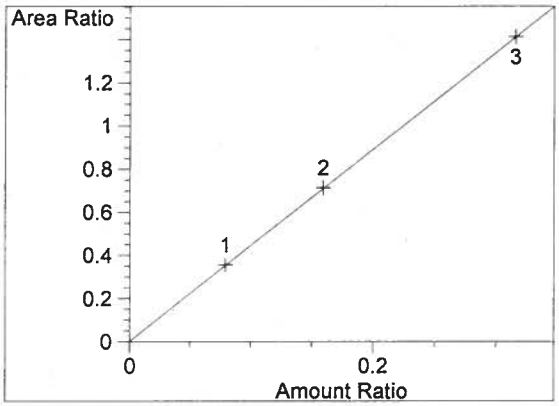
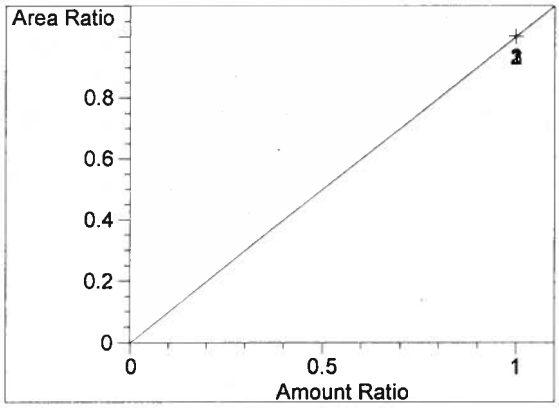
Calibration Curves

==========



Ethanol at exp. RT: 1.043
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00106
Formula: y = mx + b
m: 4.46417
b: 9.38267e-4
x: Amount Ratio
y: Area Ratio



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

==========

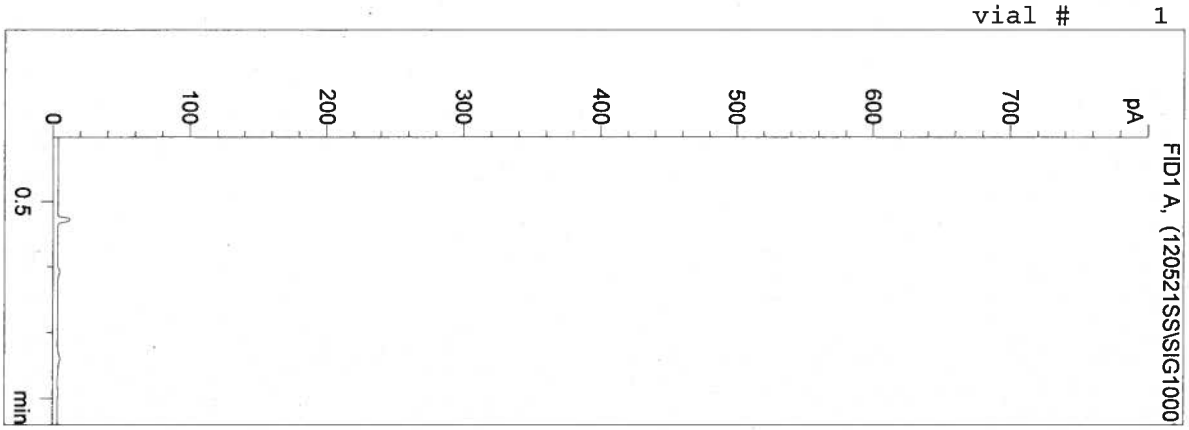
12022

WASHINGTON STATE TOXICOLOGY LABORATORY

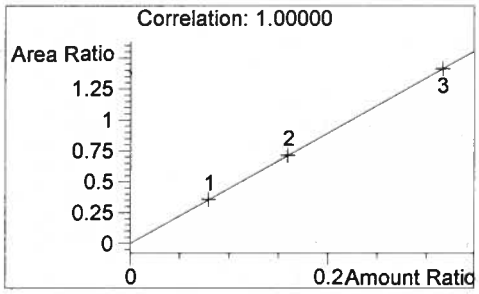
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 8:41:01 AM
Instrument 1
DB-ALC1

BLANK-SS
Sarah Swenson

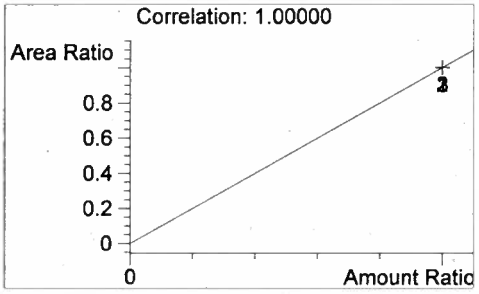
vial # 1



#	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

12022

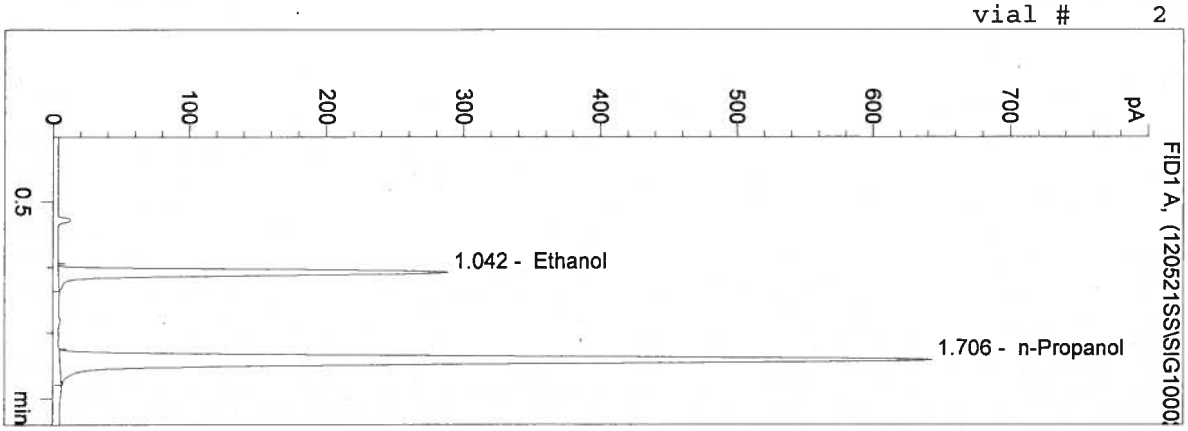
SJS

WASHINGTON STATE TOXICOLOGY LABORATORY

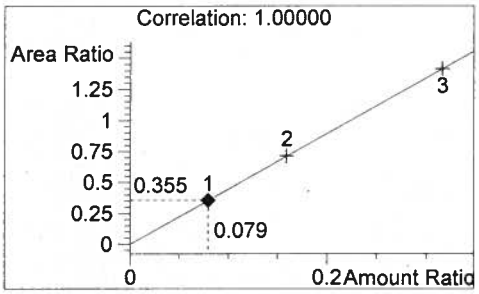
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 8:44:06 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

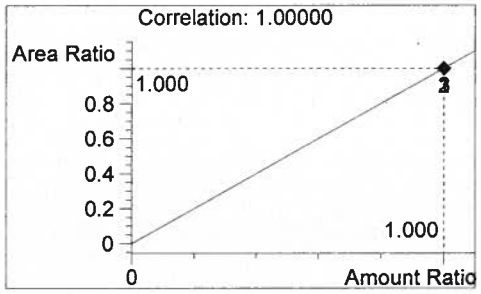
vial # 2



#	Compound	Area	RT
1	Ethanol	903	1.042
2	n-Propanol	2541	1.706
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12022

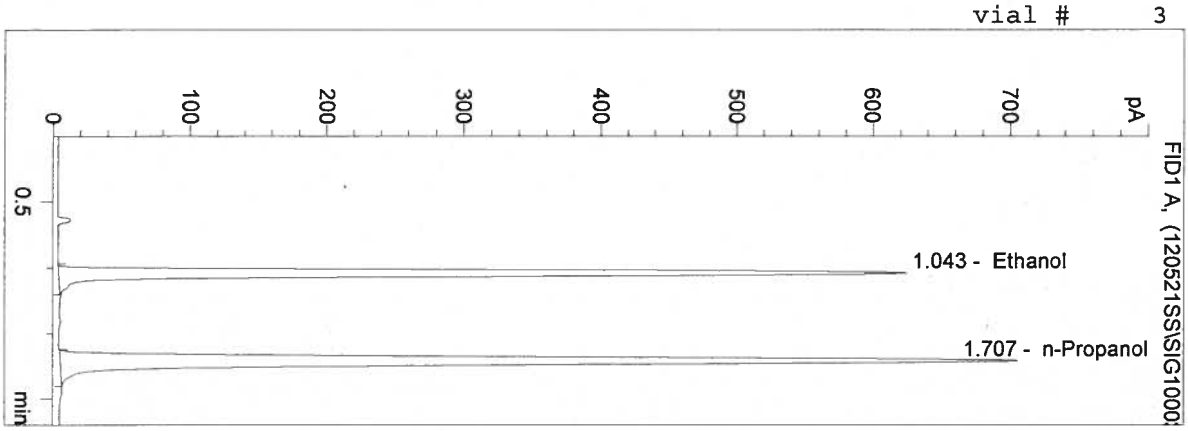
SS

WASHINGTON STATE TOXICOLOGY LABORATORY

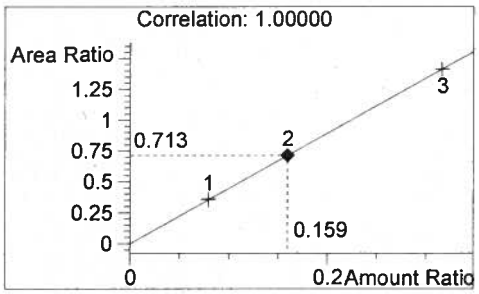
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 8:47:11 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

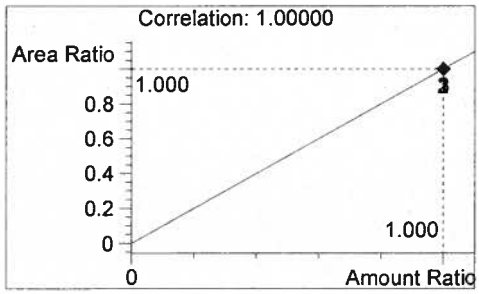
vial # 3



#	Compound	Area	RT
1	Ethanol	1990	1.043
2	n-Propanol	2792	1.707
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

12022

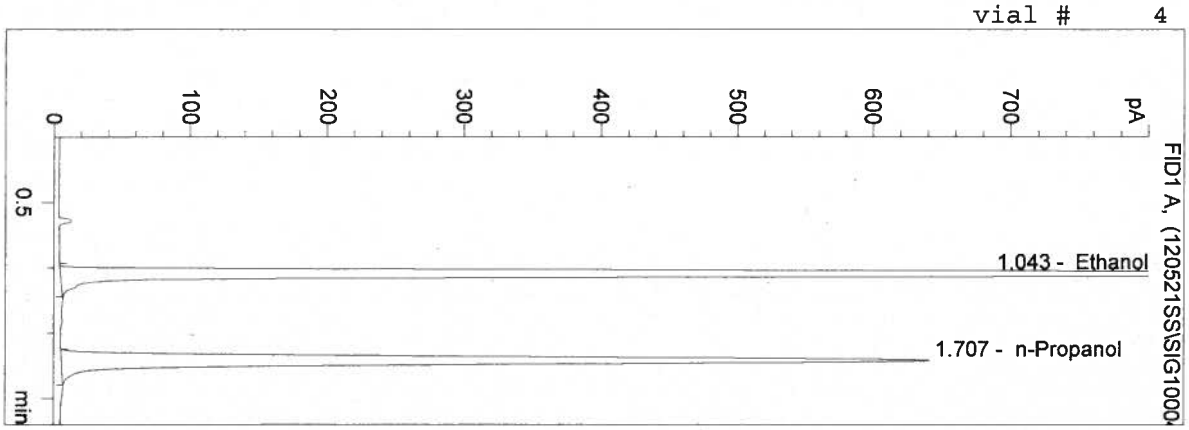
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

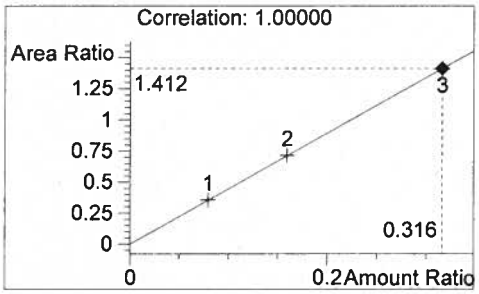
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 8:50:15 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

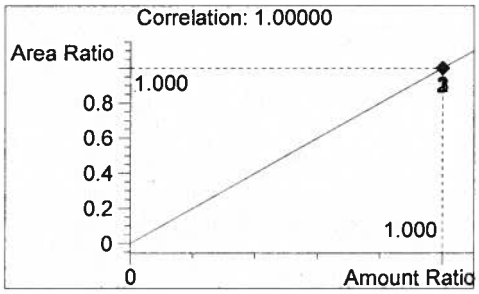
vial # 4



#	Compound	Area	RT
1	Ethanol	3569	1.043
2	n-Propanol	2527	1.707
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

12022

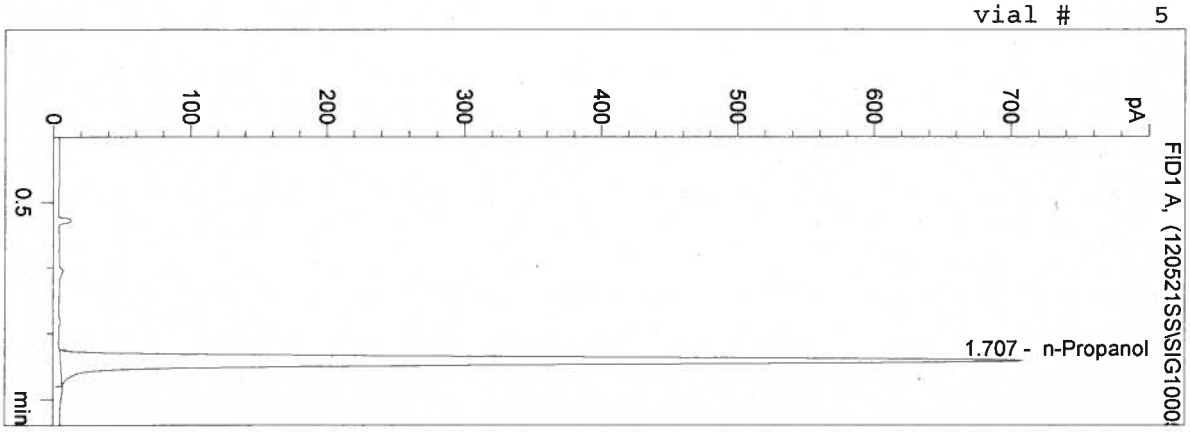
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

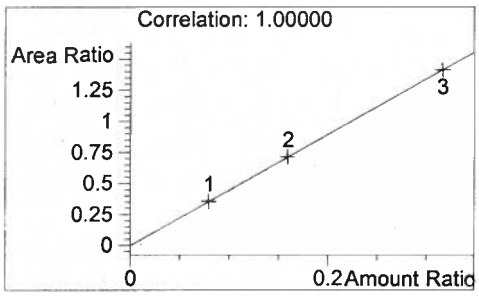
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 8:53:20 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

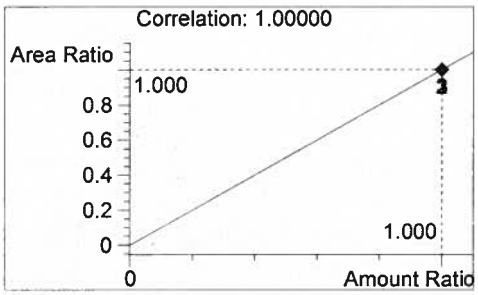
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2802	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

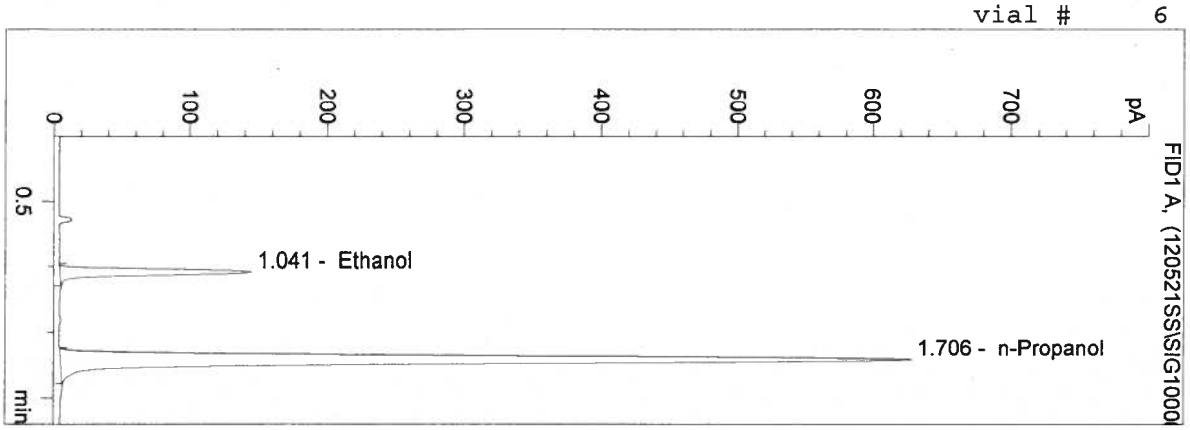
SJS

WASHINGTON STATE TOXICOLOGY LABORATORY

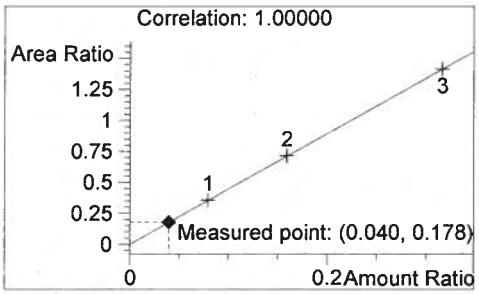
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 8:56:25 AM
Instrument 1
DB-ALC1

0.04 CTRL-SS
Sarah Swenson

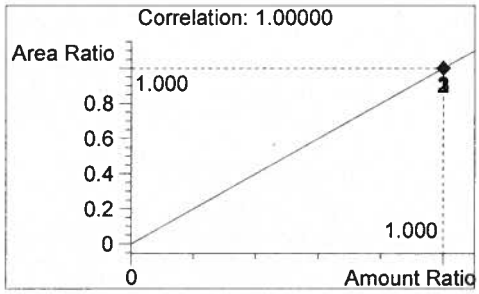
vial # 6



#	Compound	Area	RT
1	Ethanol	442	1.041
2	n-Propanol	2477	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12022

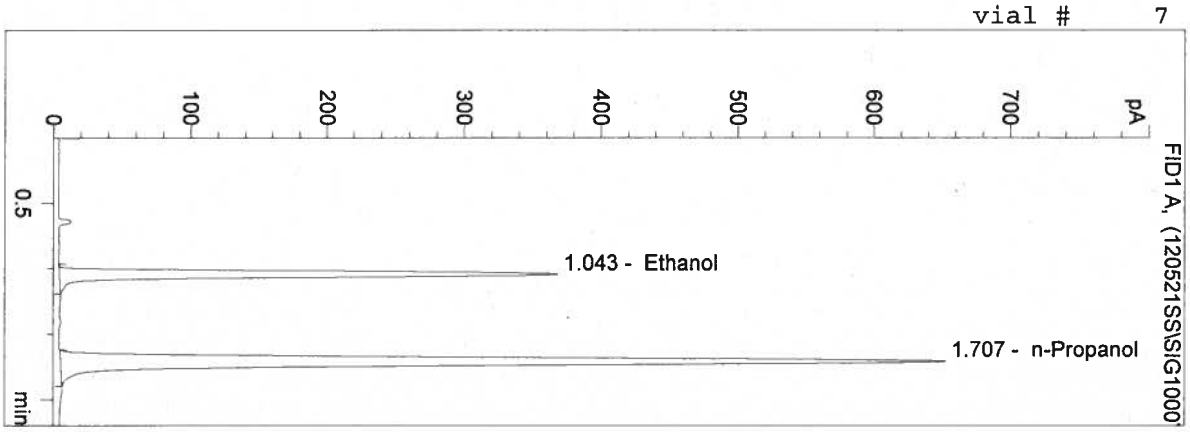
SJB

WASHINGTON STATE TOXICOLOGY LABORATORY

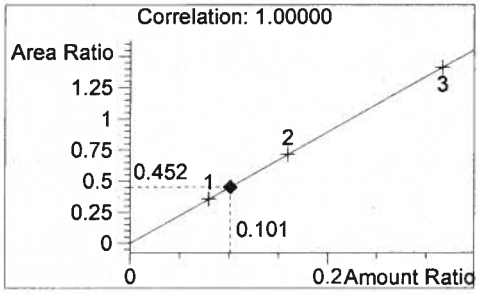
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 8:59:30 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

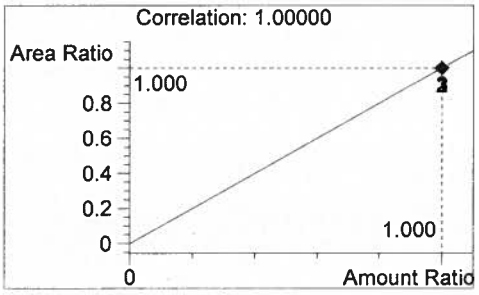
vial # 7



#	Compound	Area	RT
1	Ethanol	1167	1.043
2	n-Propanol	2581	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12022

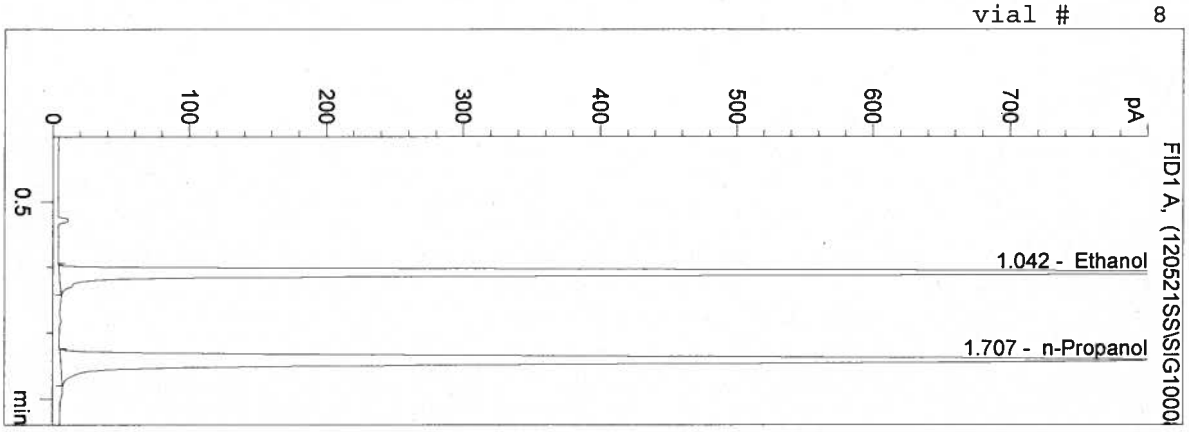
SS

WASHINGTON STATE TOXICOLOGY LABORATORY

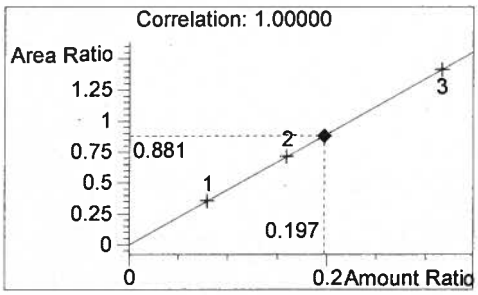
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 9:02:34 AM
Instrument 1
DB-ALC1

0.20 CTRL-SS
Sarah Swenson

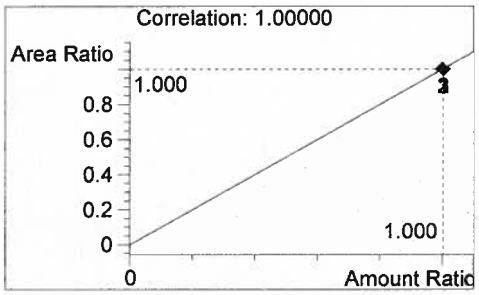
vial # 8



#	Compound	Area	RT
1	Ethanol	2788	1.042
2	n-Propanol	3165	1.707
Tot			



Ethanol 0.197 g/100 mL



n-Propanol 1.000 g/100 mL

12022

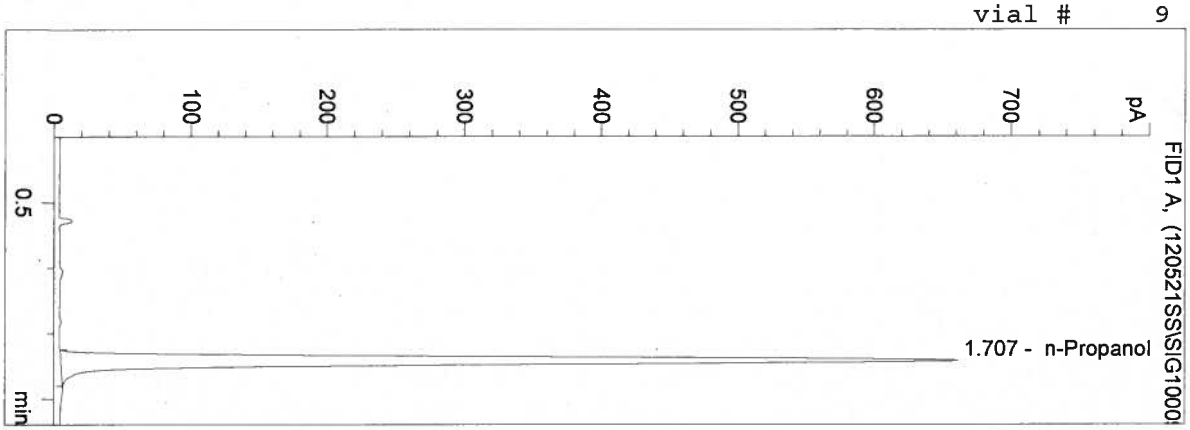
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

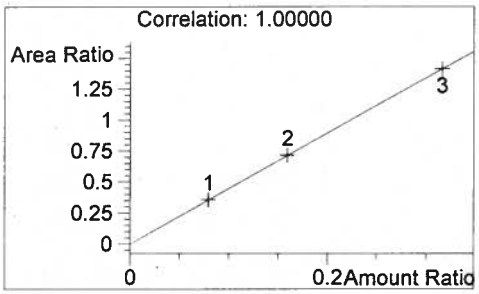
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 9:05:39 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

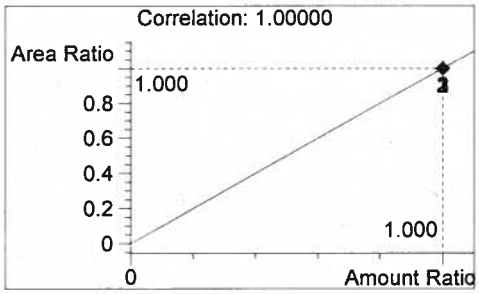
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2619	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

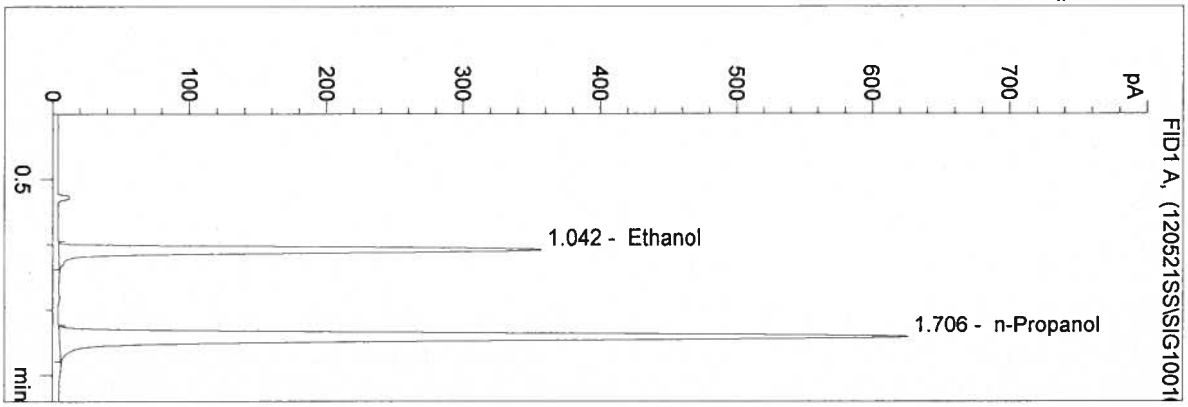
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

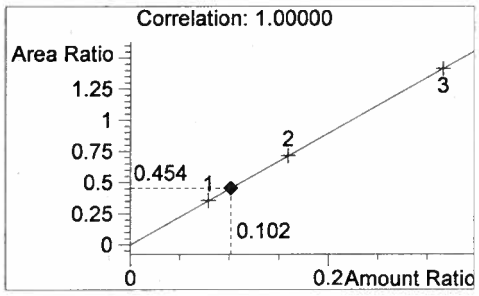
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 9:08:44 AM
Instrument 1
DB-ALC1

12022 #1
Sarah Swenson

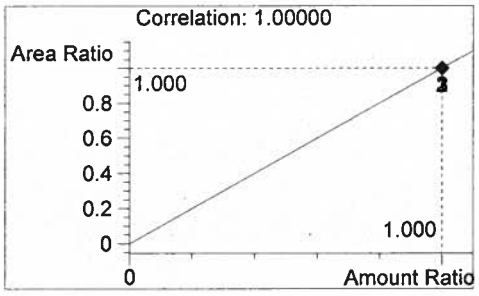
vial # 10



#	Compound	Area	RT
1	Ethanol	1122	1.042
2	n-Propanol	2470	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

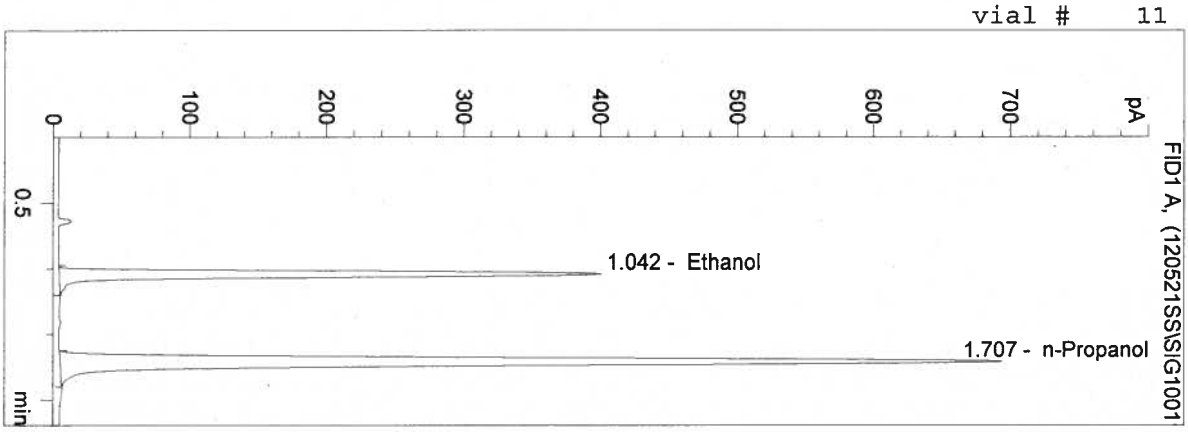
gks

WASHINGTON STATE TOXICOLOGY LABORATORY

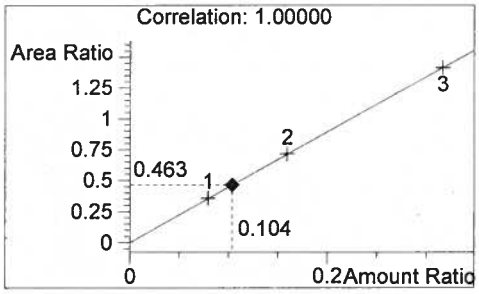
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 9:11:48 AM
Instrument 1
DB-ALC1

12022 #2
Sarah Swenson

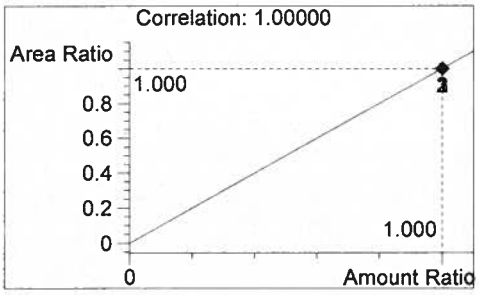
vial # 11



#	Compound	Area	RT
1	Ethanol	1271	1.042
2	n-Propanol	2743	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

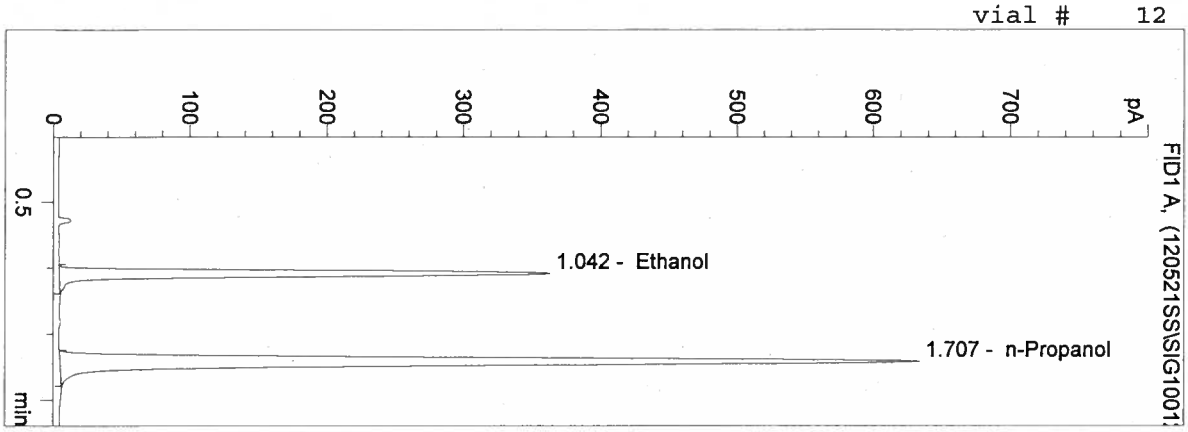
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

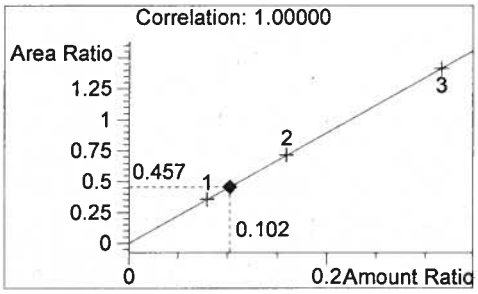
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 9:14:53 AM
Instrument 1
DB-ALC1

12022 #3
Sarah Swenson

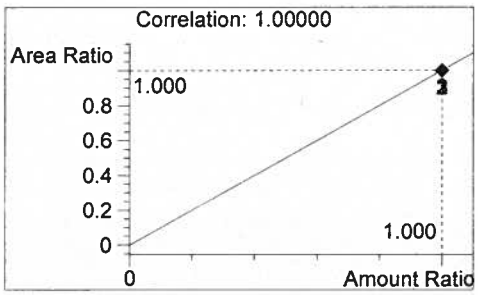
vial # 12



#	Compound	Area	RT
1	Ethanol	1143	1.042
2	n-Propanol	2498	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

SJS

WASHINGTON STATE TOXICOLOGY LABORATORY

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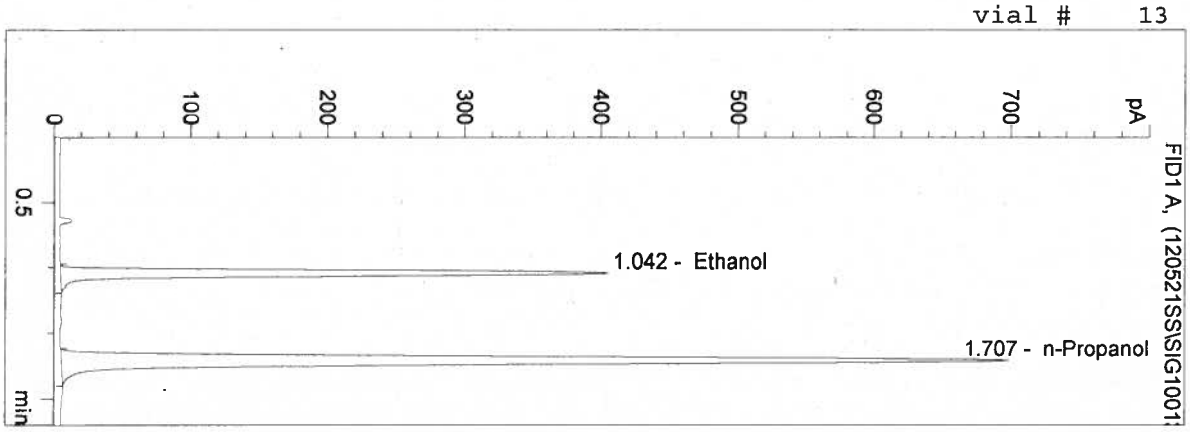
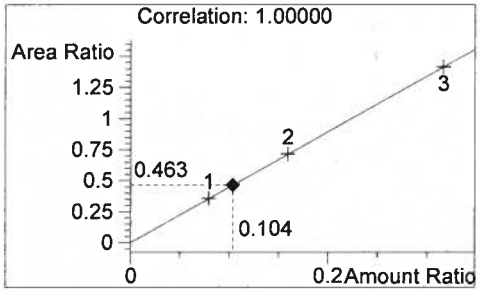
5/21/2012 9:17:58 AM
Instrument 1
DB-ALC1

12022 #4
Sarah Swenson

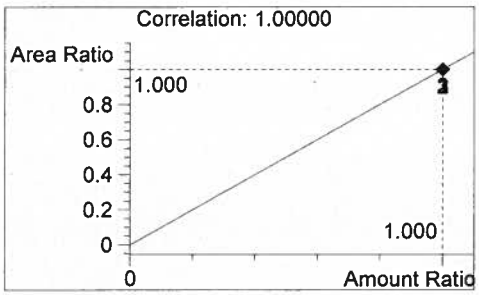
vial # 13



#	Compound	Area	RT
1	Ethanol	1283	1.042
2	n-Propanol	2769	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

SG

WASHINGTON STATE TOXICOLOGY LABORATORY

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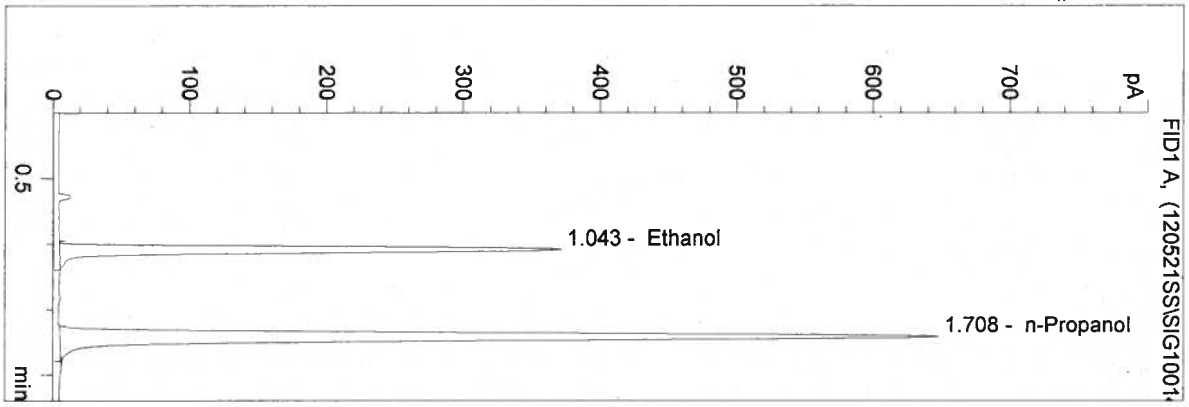
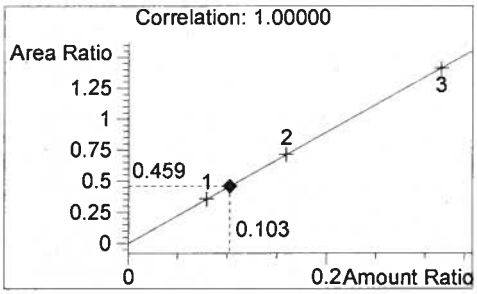
5/21/2012 9:21:02 AM
Instrument 1
DB-ALC1

12022 #5
Sarah Swenson

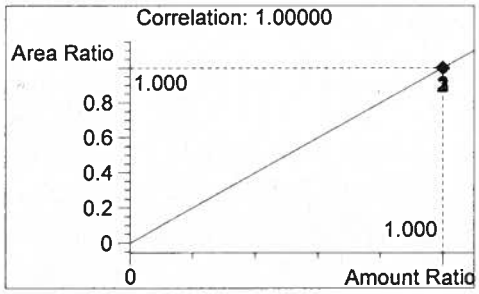
vial # 14



#	Compound	Area	RT
1	Ethanol	1177	1.043
2	n-Propanol	2565	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

45

WASHINGTON STATE TOXICOLOGY LABORATORY

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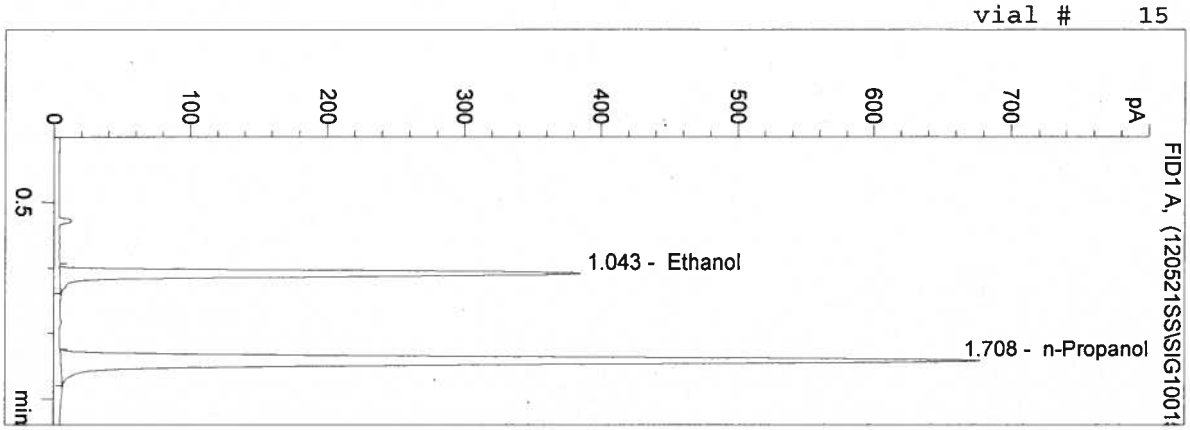
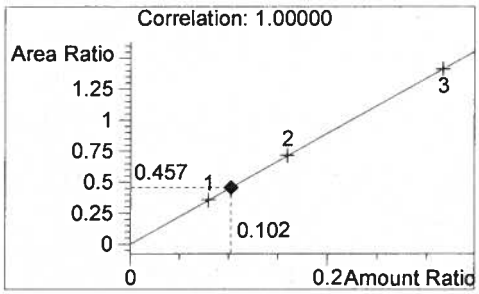
5/21/2012 9:24:07 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

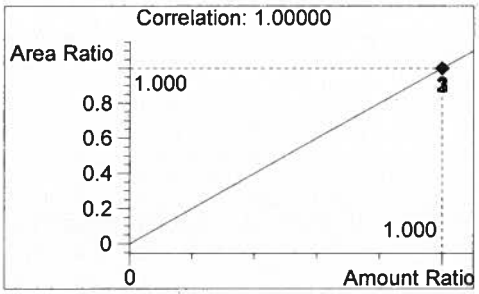
vial # 15



#	Compound	Area	RT
1	Ethanol	1226	1.043
2	n-Propanol	2686	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12022

SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

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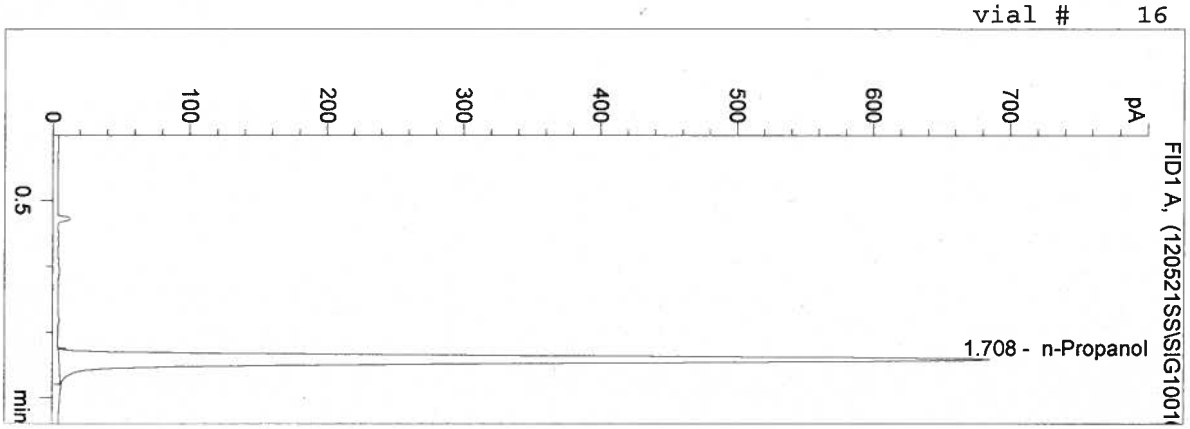
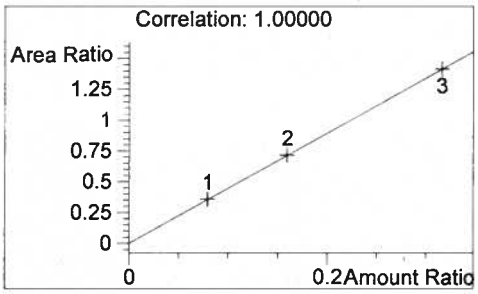
5/21/2012 9:27:12 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

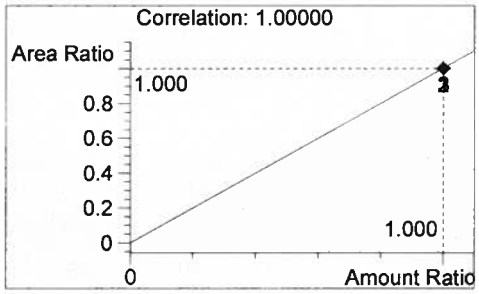
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2715	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

SJS

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

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:	120521CM
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	

12022

CM

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	12022 #1	SIMALC1	1	Sample		
11	Vial 11	12022 #2	SIMALC1	1	Sample		
12	Vial 12	12022 #3	SIMALC1	1	Sample		
13	Vial 13	12022 #4	SIMALC1	1	Sample		
14	Vial 14	12022 #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!

12022

CM

Calibration Table

Calib. Data Modified : Monday, May 21, 2012 1:29:06 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	877.12115	9.02726e-5		1	Ethanol
		2	1.59320e-1	1745.47083	9.12762e-5			
		3	3.16260e-1	3438.95093	9.19641e-5			
1.705	1	1	1.00000	2470.54541	4.04769e-4	I1		n-Propanol
		2	1.00000	2477.53809	4.03626e-4			
		3	1.00000	2462.77856	4.06045e-4			

Peak Sum Table

No Entries in table

12022

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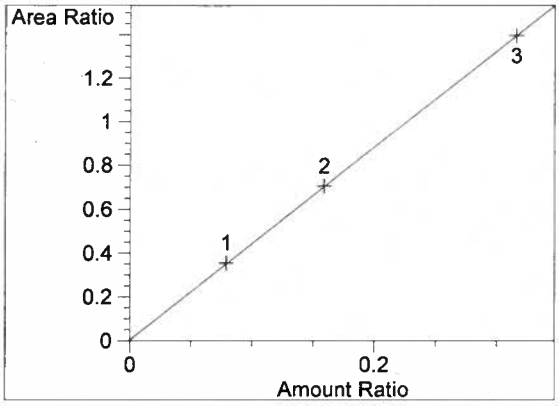
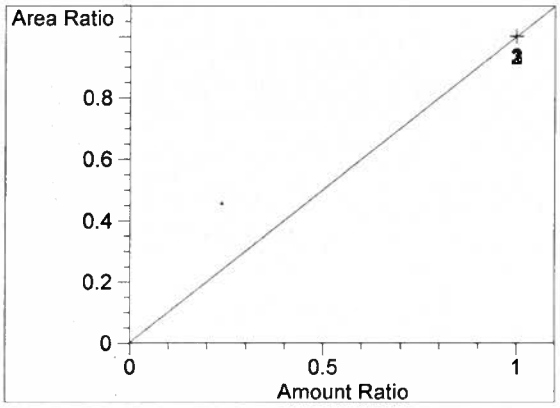
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00303
Formula: y = mx + b
m: 4.40976
b: 2.39006e-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

==========

12022

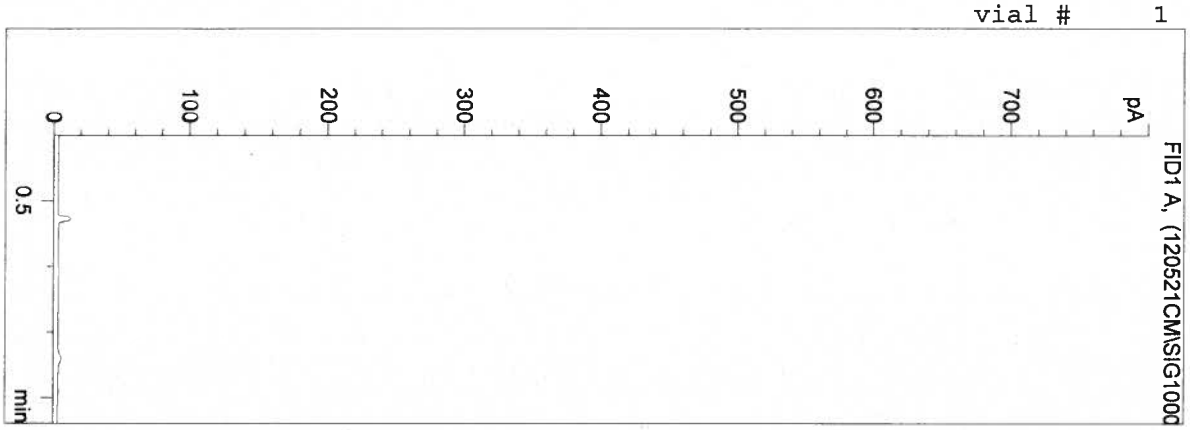
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

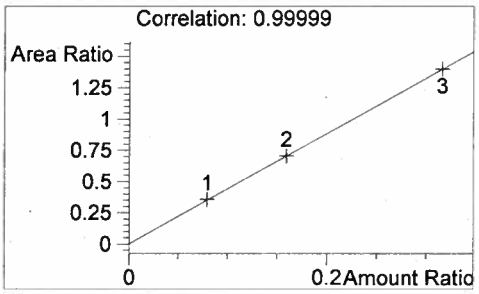
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 1:17:39 PM
Instrument 1
DB-ALC1

BLANK
Christie Mitchell-Mata

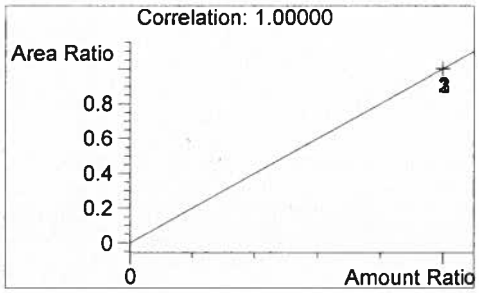
vial # 1



#	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

12022

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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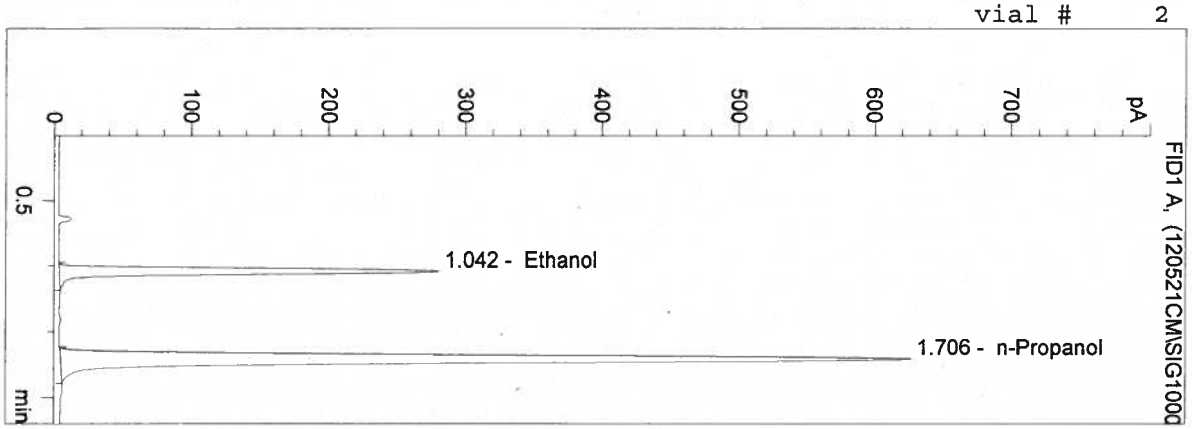
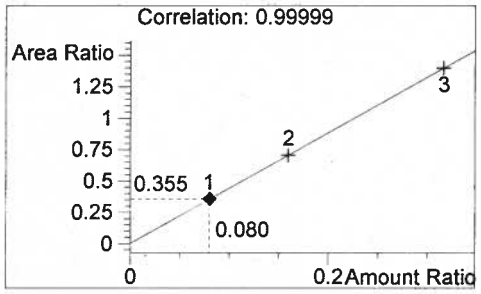
5/21/2012 1:20:44 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Christie Mitchell-Mata

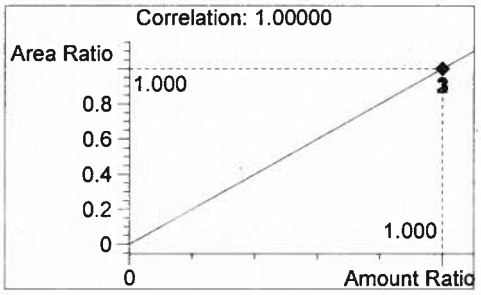
vial # 2



#	Compound	Area	RT
1	Ethanol	877	1.042
2	n-Propanol	2471	1.706
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12022

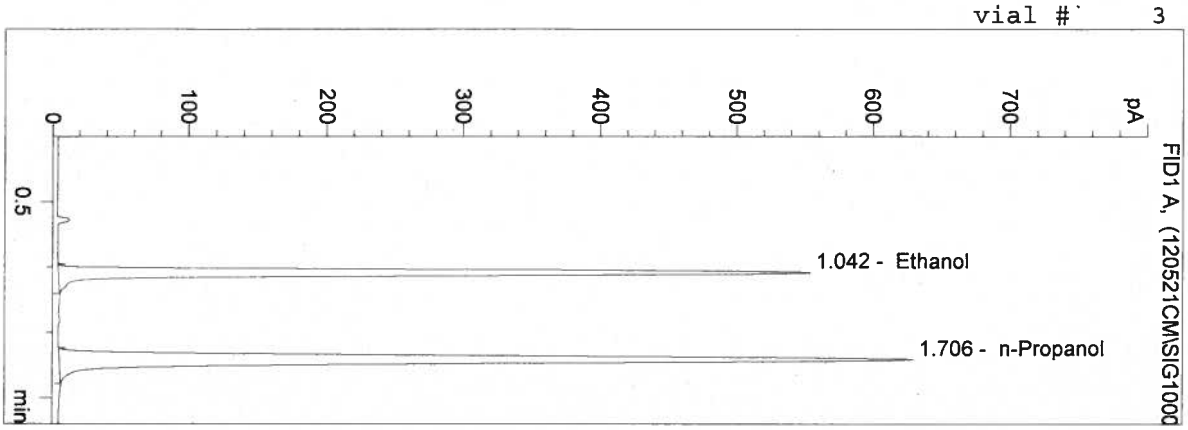
OM

WASHINGTON STATE TOXICOLOGY LABORATORY

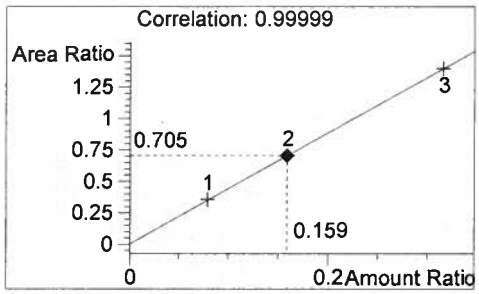
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 1:23:49 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Christie Mitchell-Mata

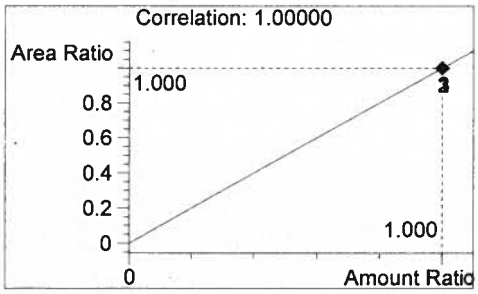
vial # 3



#	Compound	Area	RT
1	Ethanol	1745	1.042
2	n-Propanol	2478	1.706
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

12022

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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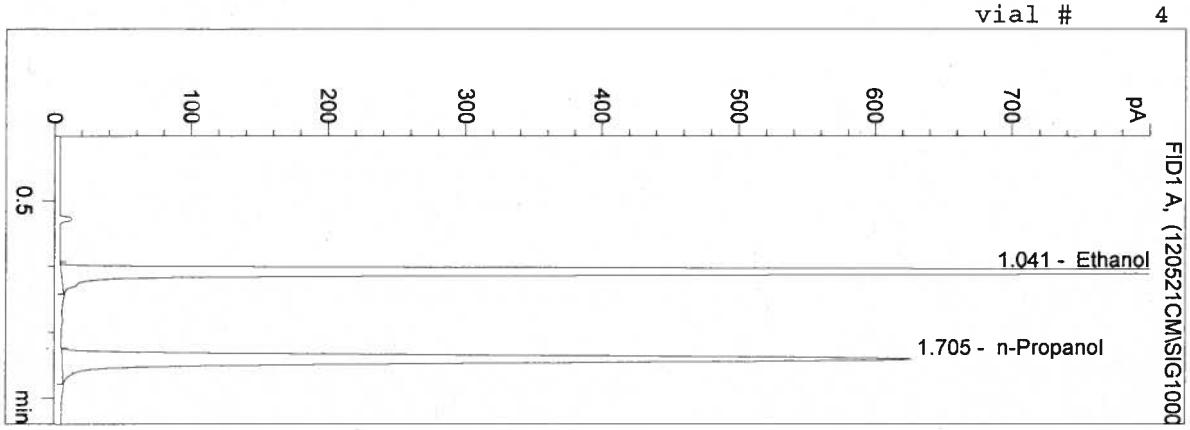
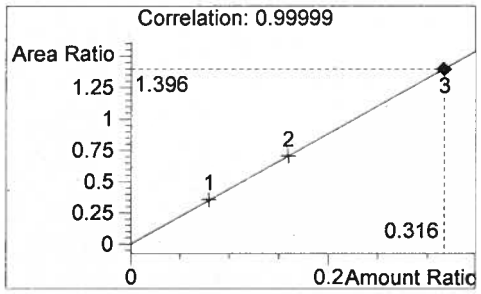
5/21/2012 1:26:53 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Christie Mitchell-Mata

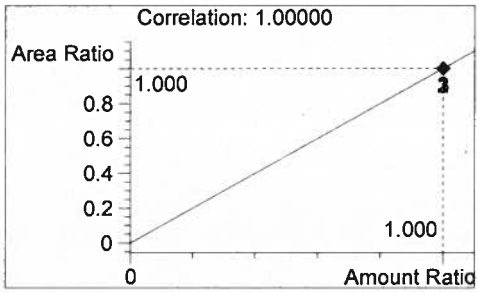
vial # 4



#	Compound	Area	RT
1	Ethanol	3439	1.041
2	n-Propanol	2463	1.705
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

12022

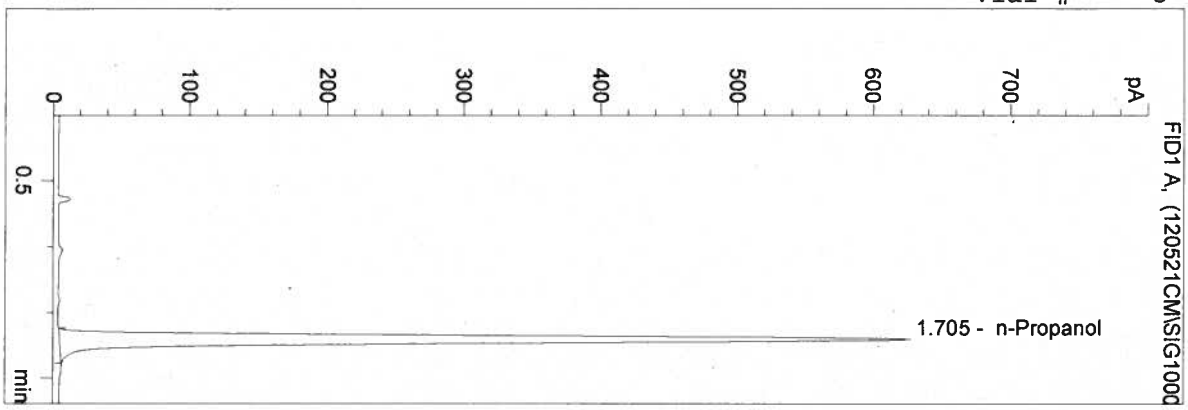
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

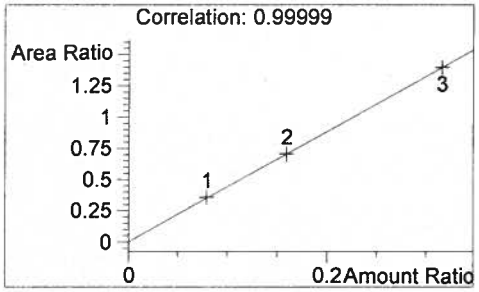
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 1:29:58 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

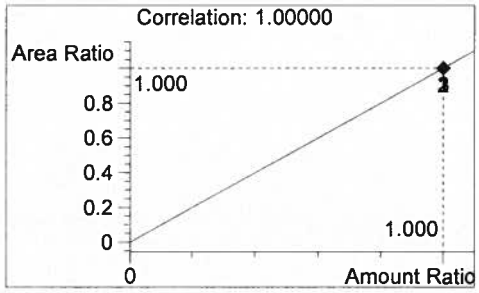
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2462	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

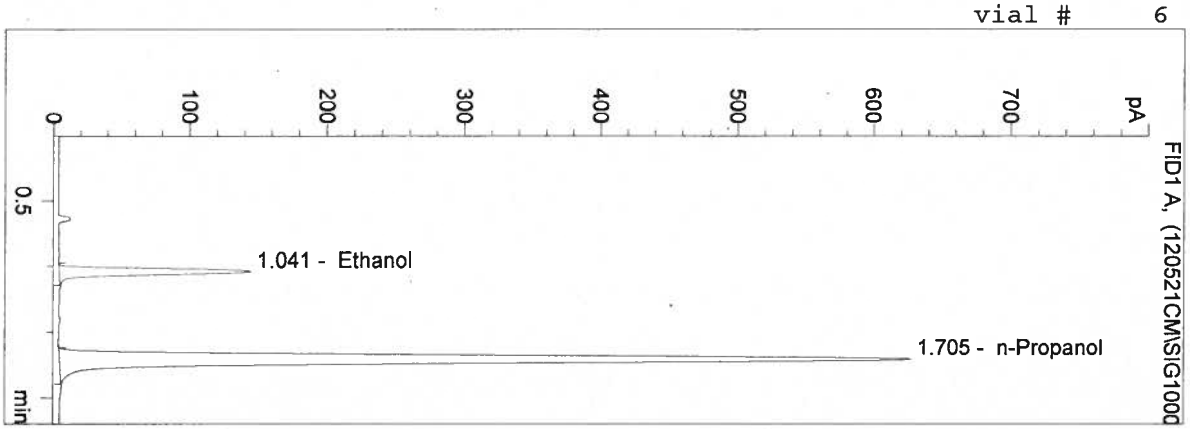
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

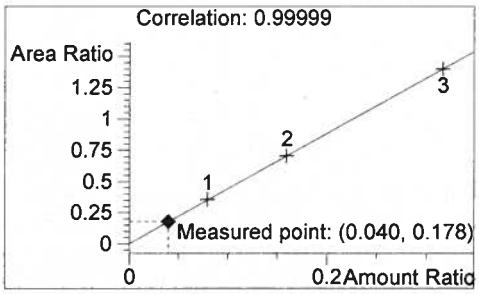
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 1:33:03 PM
Instrument 1
DB-ALC1

0.04 CTRL - CM
Christie Mitchell-Mata

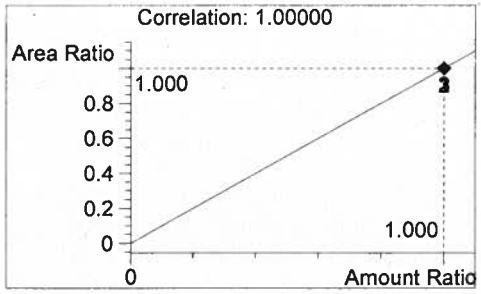
vial # 6



#	Compound	Area	RT
1	Ethanol	440	1.041
2	n-Propanol	2470	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12022

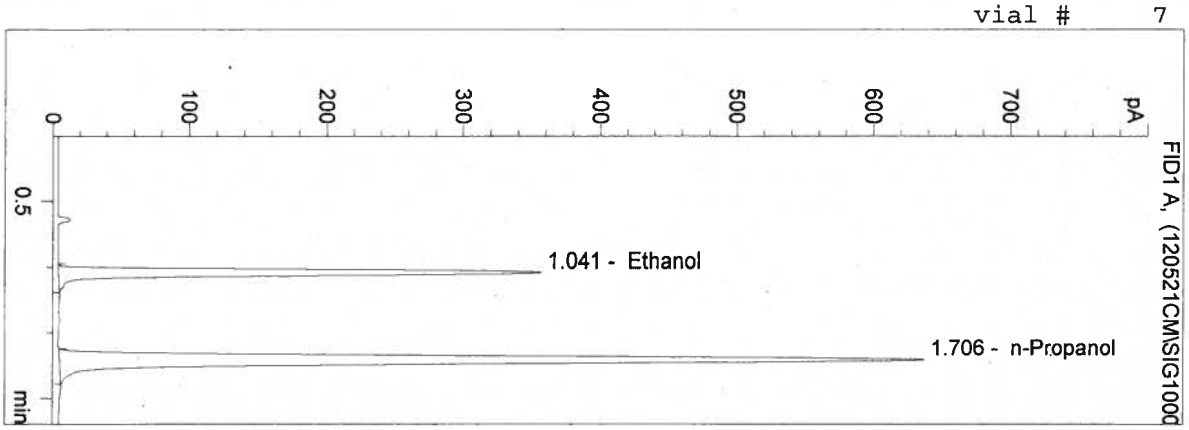
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

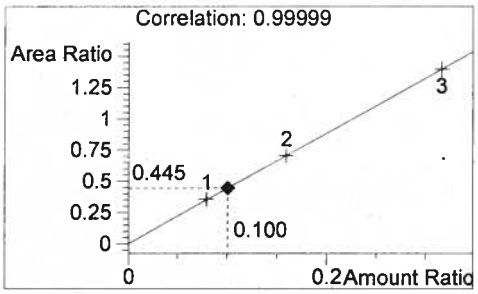
C:\HPCHEM\1\METHODS\SIMALC1.M
5/21/2012 1:36:07 PM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

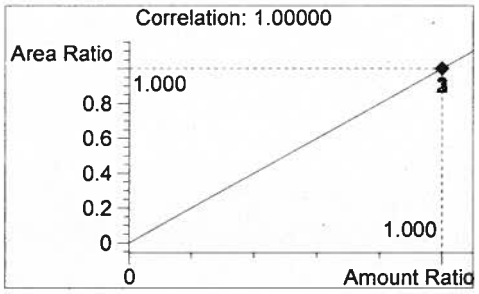
vial # 7



#	Compound	Area	RT
1	Ethanol	1118	1.041
2	n-Propanol	2512	1.706
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12022

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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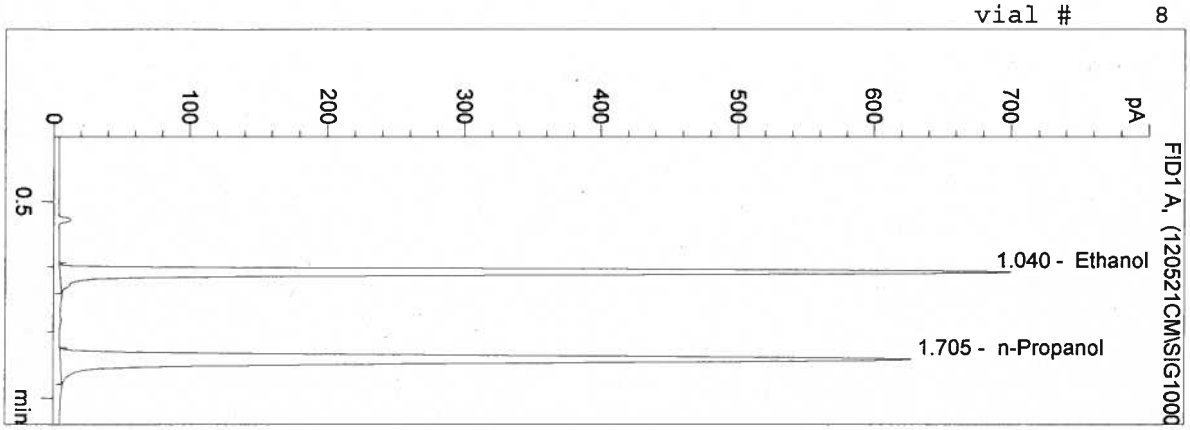
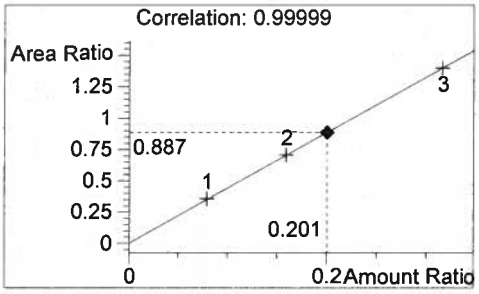
5/21/2012 1:39:12 PM
Instrument 1
DB-ALC1

0.20 CTRL - CM
Christie Mitchell-Mata

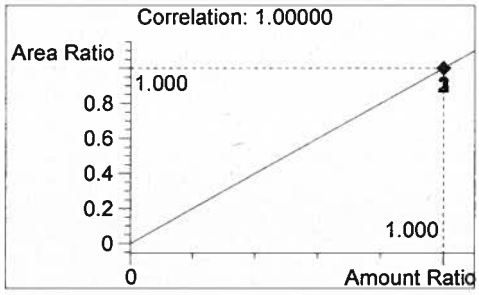
vial # 8



#	Compound	Area	RT
1	Ethanol	2189	1.040
2	n-Propanol	2469	1.705
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

12022

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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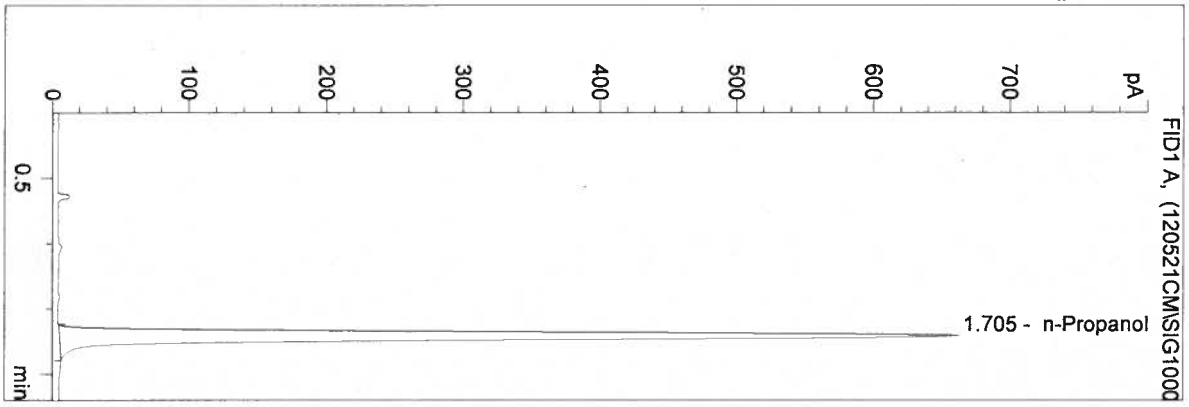
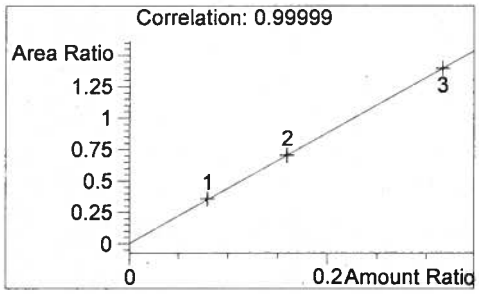
5/21/2012 1:42:17 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

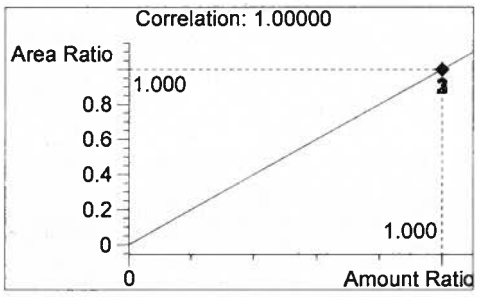
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2607	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

CM

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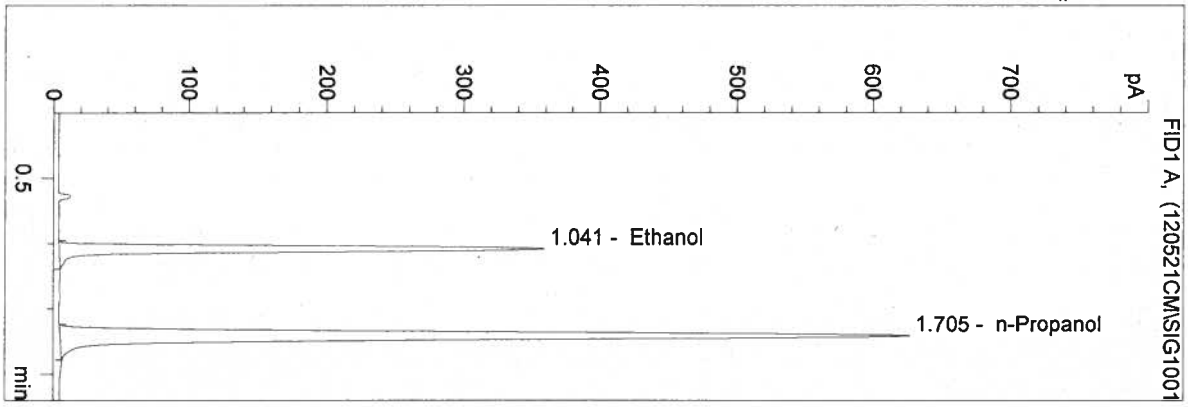
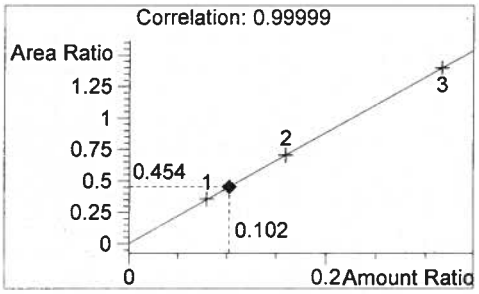
5/21/2012 1:45:22 PM
Instrument 1
DB-ALC1

12022 #1
Christie Mitchell-Mata

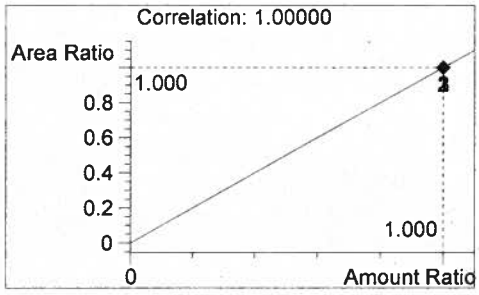
vial # 10



#	Compound	Area	RT
1	Ethanol	1119	1.041
2	n-Propanol	2467	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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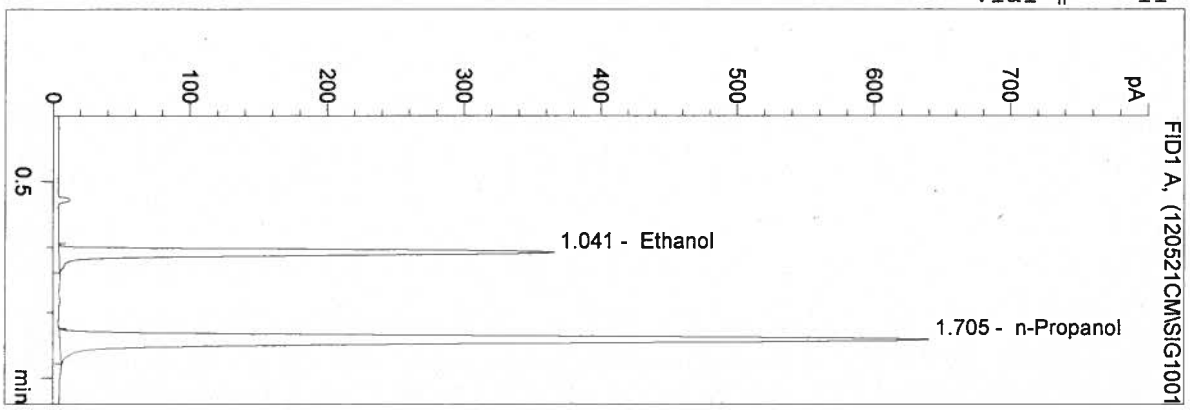
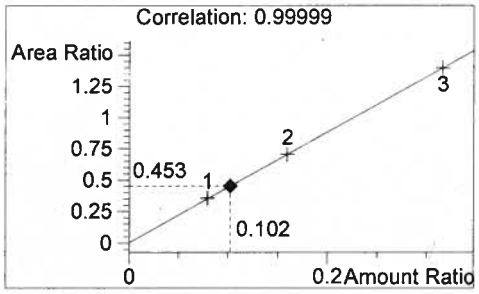
5/21/2012 1:48:26 PM
Instrument 1
DB-ALC1

12022 #2
Christie Mitchell-Mata

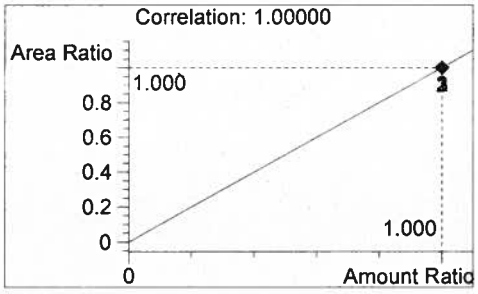
vial # 11



#	Compound	Area	RT
1	Ethanol	1143	1.041
2	n-Propanol	2520	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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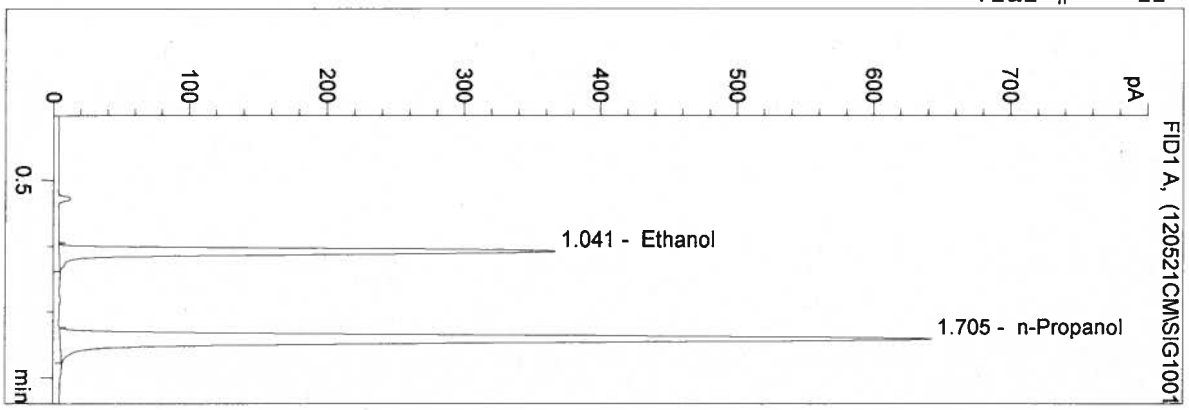
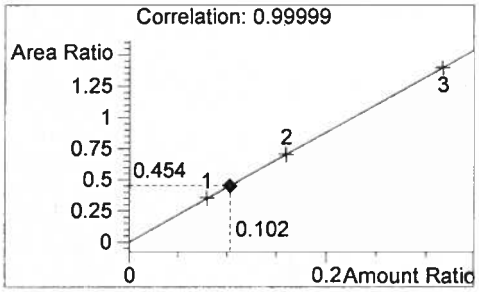
5/21/2012 1:51:31 PM
Instrument 1
DB-ALC1

12022 #3
Christie Mitchell-Mata

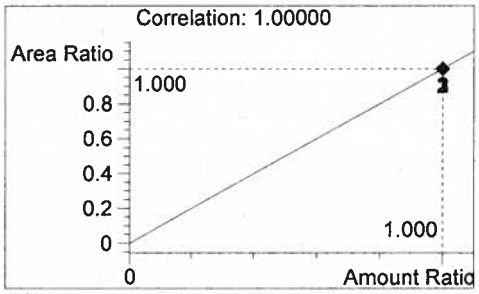
vial # 12



#	Compound	Area	RT
1	Ethanol	1146	1.041
2	n-Propanol	2526	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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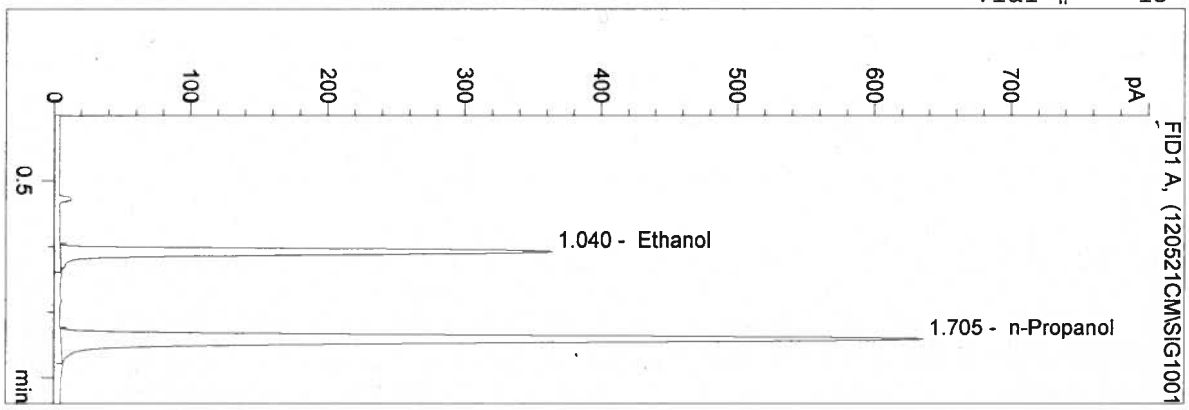
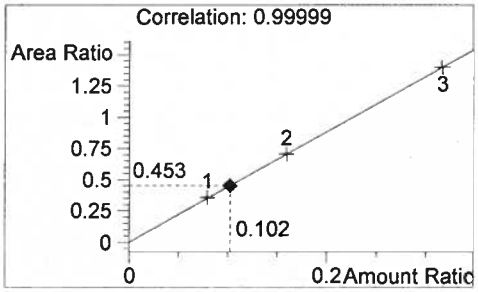
5/21/2012 1:54:36 PM
Instrument 1
DB-ALC1

12022 #4
Christie Mitchell-Mata

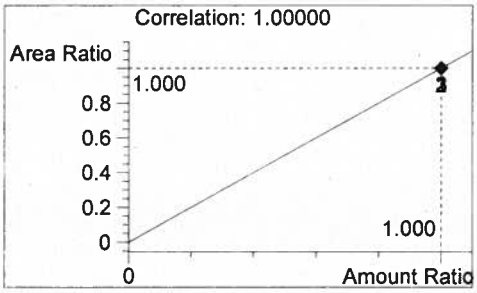
vial # 13



#	Compound	Area	RT
1	Ethanol	1130	1.040
2	n-Propanol	2493	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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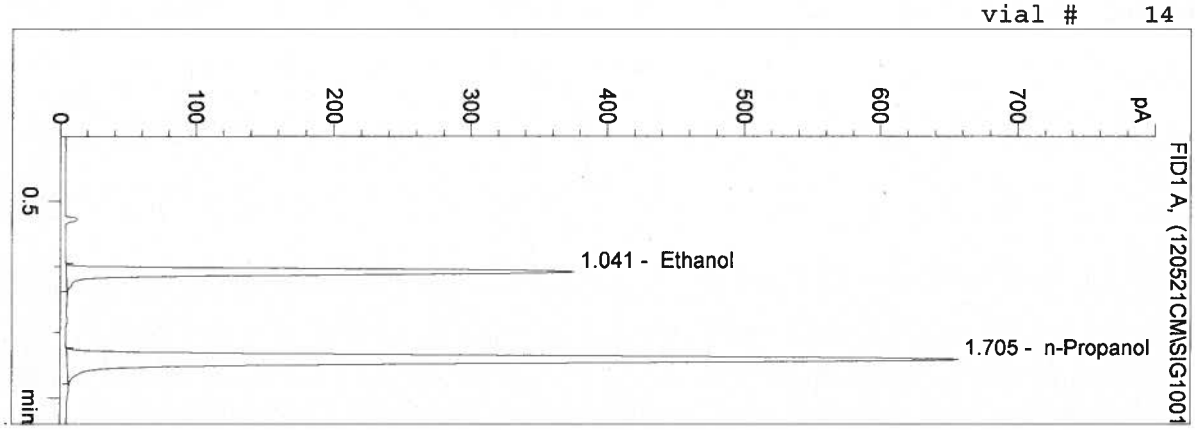
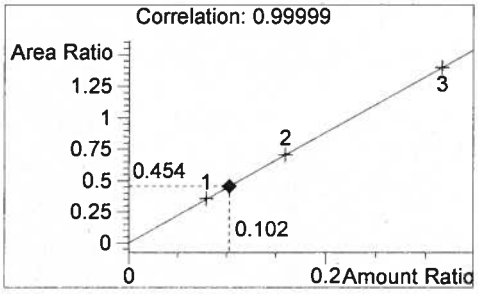
Instrument 1
DB-ALC1

12022 #5
Christie Mitchell-Mata

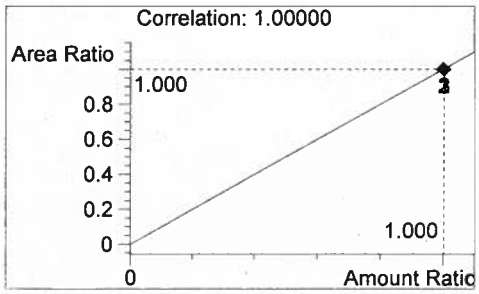
vial # 14



#	Compound	Area	RT
1	Ethanol	1173	1.041
2	n-Propanol	2583	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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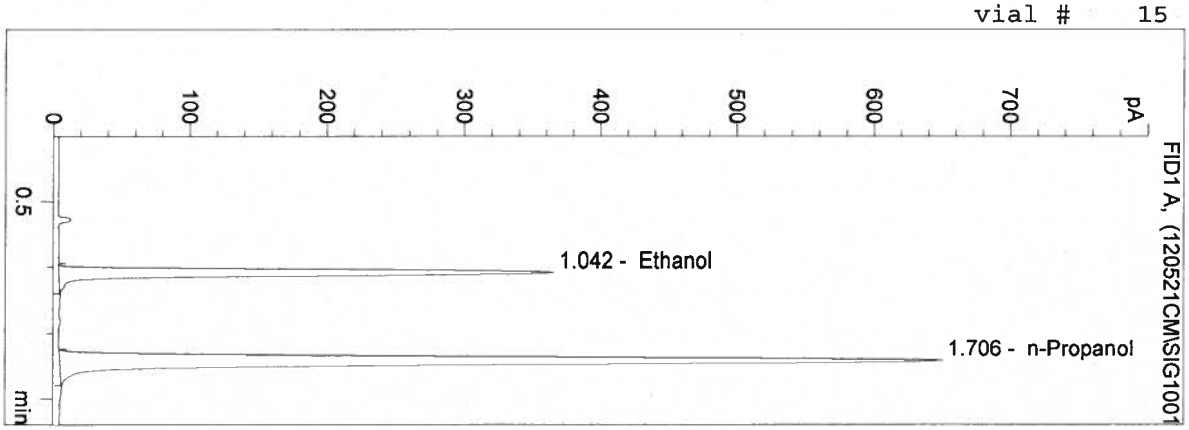
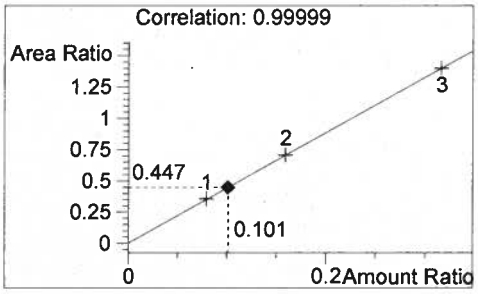
5/21/2012 2:00:46 PM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

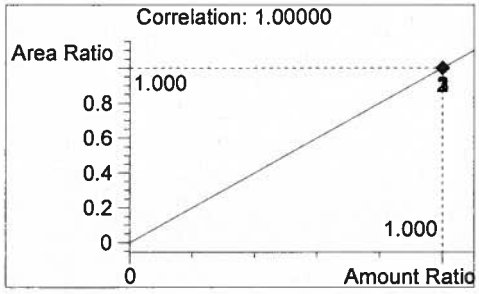
vial # 15



#	Compound	Area	RT
1	Ethanol	1146	1.042
2	n-Propanol	2561	1.706
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12022

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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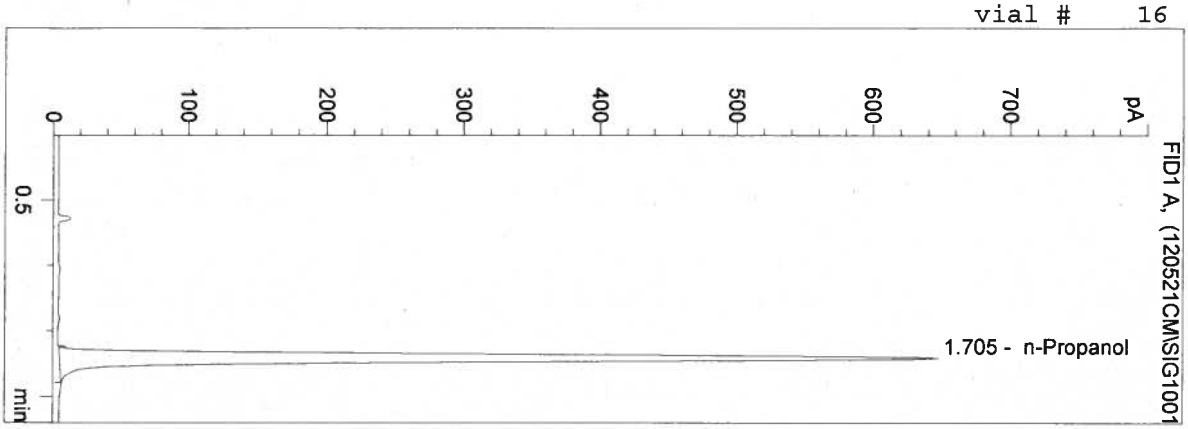
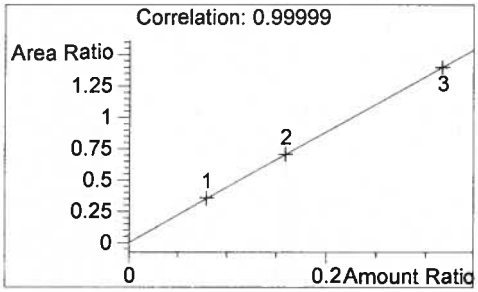
5/21/2012 2:03:51 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

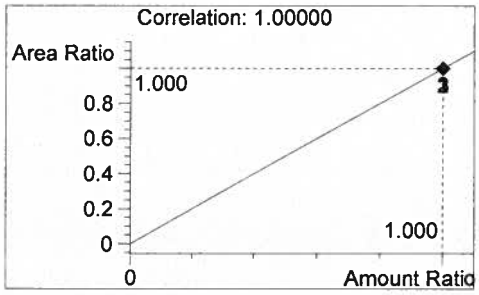
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2547	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

CM

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

Sequence Parameters:

Operator:	Brianna Peterson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120522BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control Lot#A077459 exp 02/2015
0.10 Control Lot#A083355 exp 12/2015
0.20 Control Lot#A076521 exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0412-01
3	Vial 3	E0412-02
4	Vial 4	E0412-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12022

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	12022 #1	SIMALC1	1	Sample		
11	Vial 11	12022 #2	SIMALC1	1	Sample		
12	Vial 12	12022 #3	SIMALC1	1	Sample		
13	Vial 13	12022 #4	SIMALC1	1	Sample		
14	Vial 14	12022 #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!

12022

BP

Calibration Table

Calib. Data Modified : Tuesday, May 22, 2012 9:37:23 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	7.91800e-2	863.54706	9.16916e-5	1		Ethanol
		2	1.59320e-1	1724.92102	9.23636e-5			
		3	3.16260e-1	3433.23828	9.21171e-5			
1.704	1	1	1.00000	2443.80615	4.09198e-4	I1		n-Propanol
		2	1.00000	2447.50244	4.08580e-4			
		3	1.00000	2444.87622	4.09019e-4			

Peak Sum Table

No Entries in table

12022

BP

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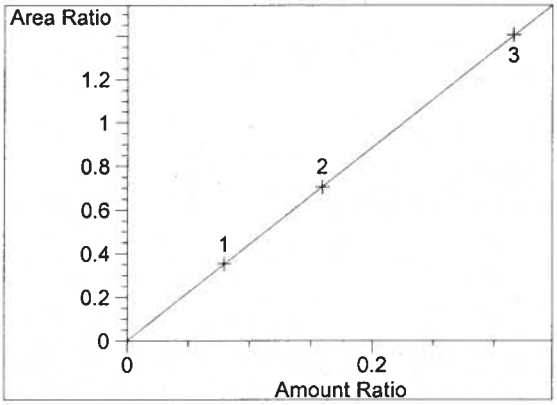
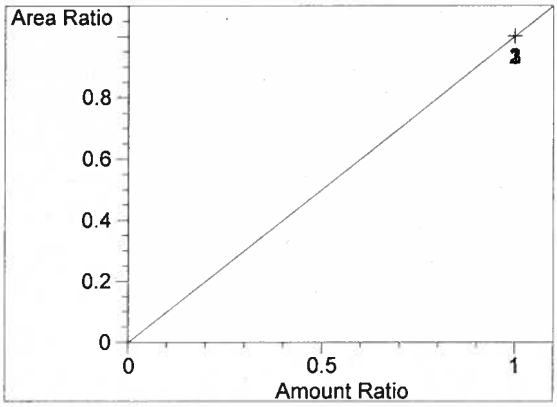
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00218
Formula: y = mx + b
m: 4.43726
b: 1.92891e-4
x: Amount Ratio
y: Area Ratio



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

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12022

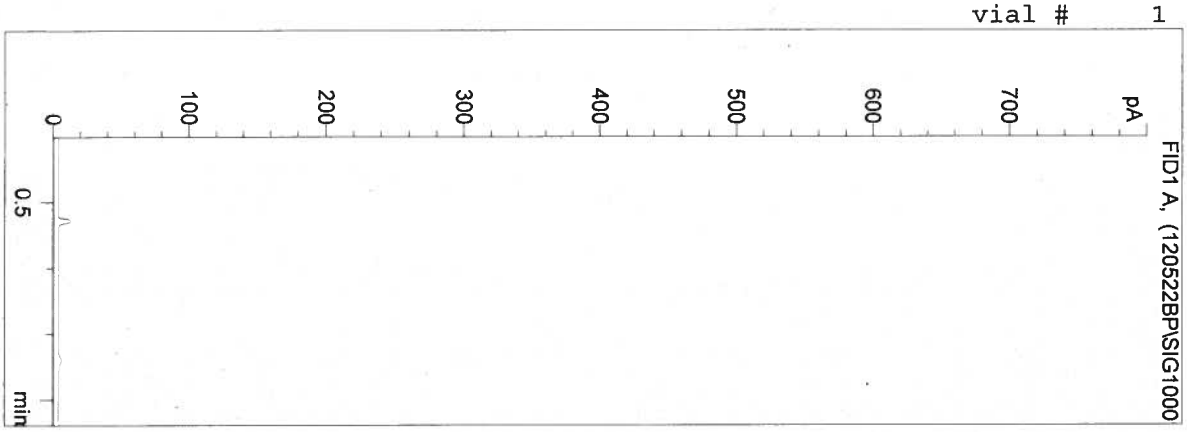
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

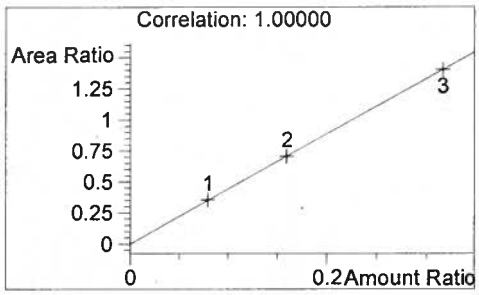
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 9:25:56 AM
Instrument 1
DB-ALC1

blank
Brianna Peterson

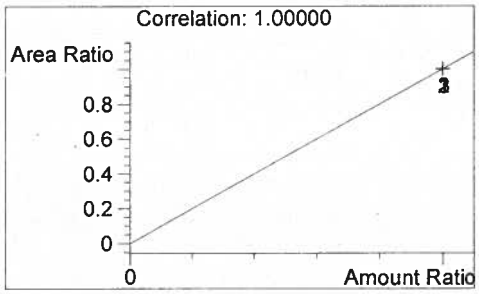
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12022

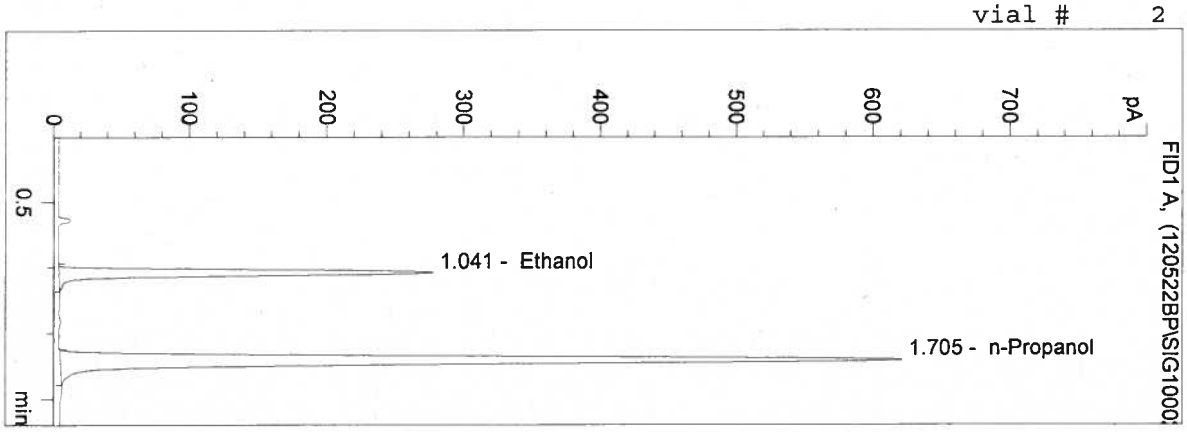
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

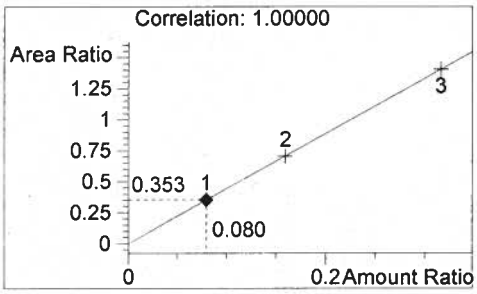
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 9:29:01 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

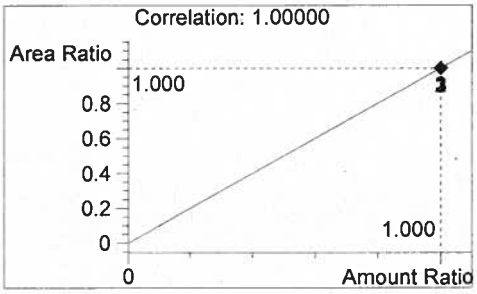
vial # 2



#	Compound	Area	RT
1	Ethanol	864	1.041
2	n-Propanol	2444	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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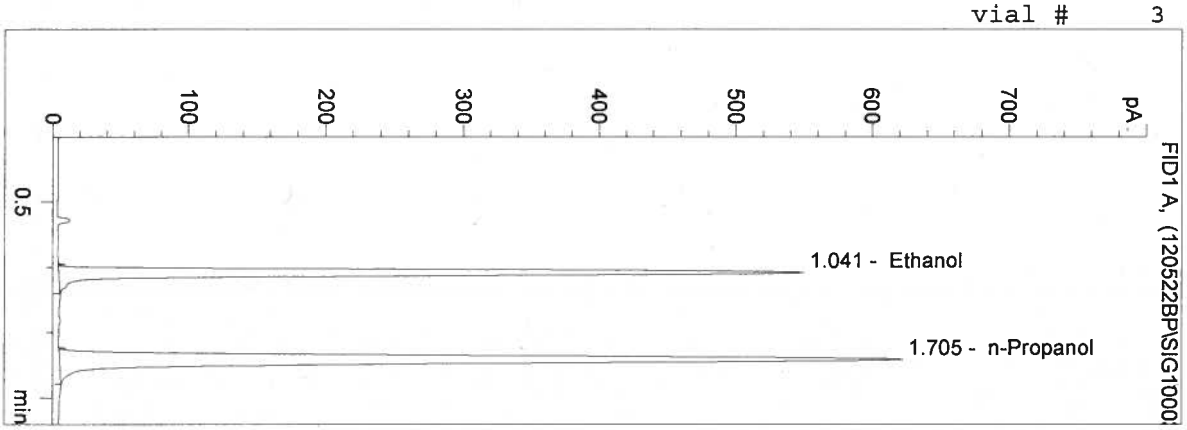
WASHINGTON STATE TOXICOLOGY LABORATORY

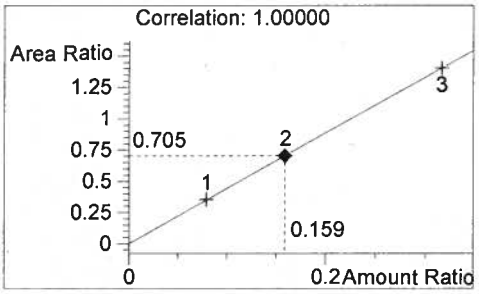
C:\HPCHEM\1\METHODS\SIMALC1.M
5/22/2012 9:32:05 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

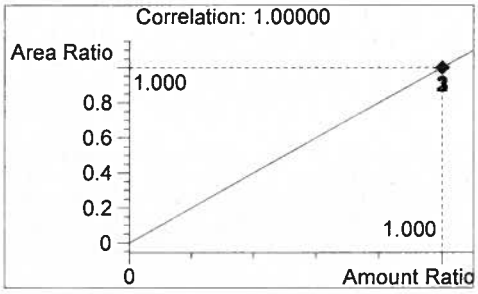
vial # 3



#	Compound	Area	RT
1	Ethanol	1725	1.041
2	n-Propanol	2448	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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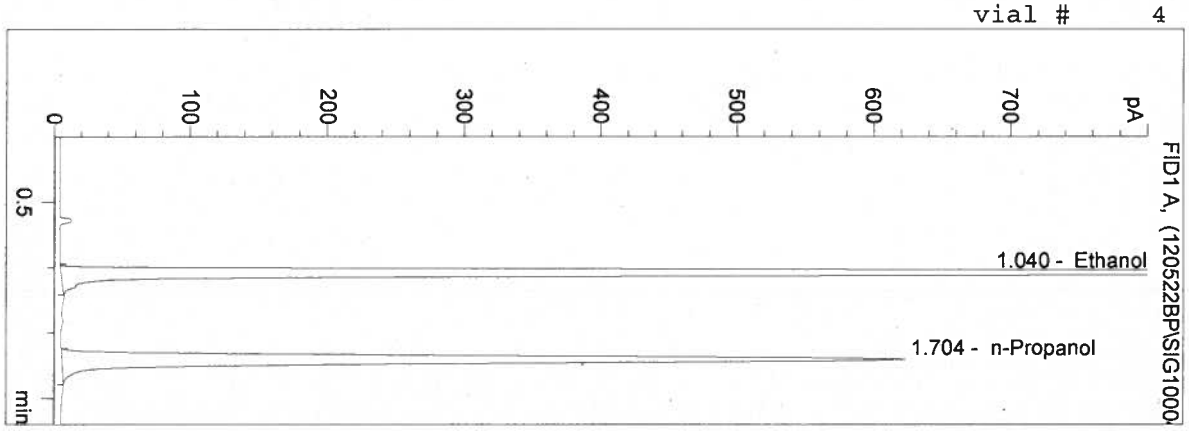
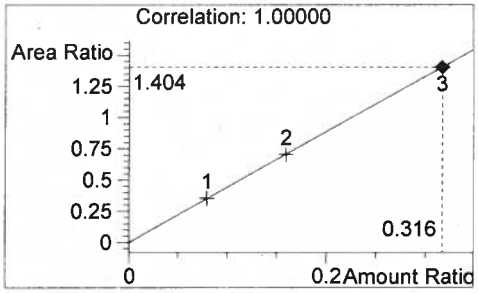
5/22/2012 9:35:10 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

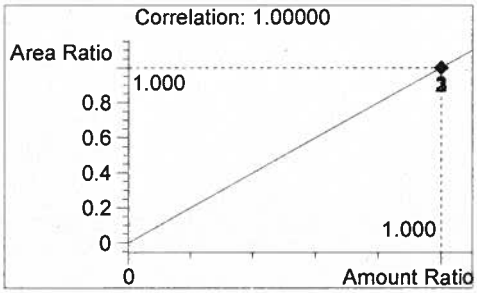
vial # 4



#	Compound	Area	RT
1	Ethanol	3433	1.040
2	n-Propanol	2445	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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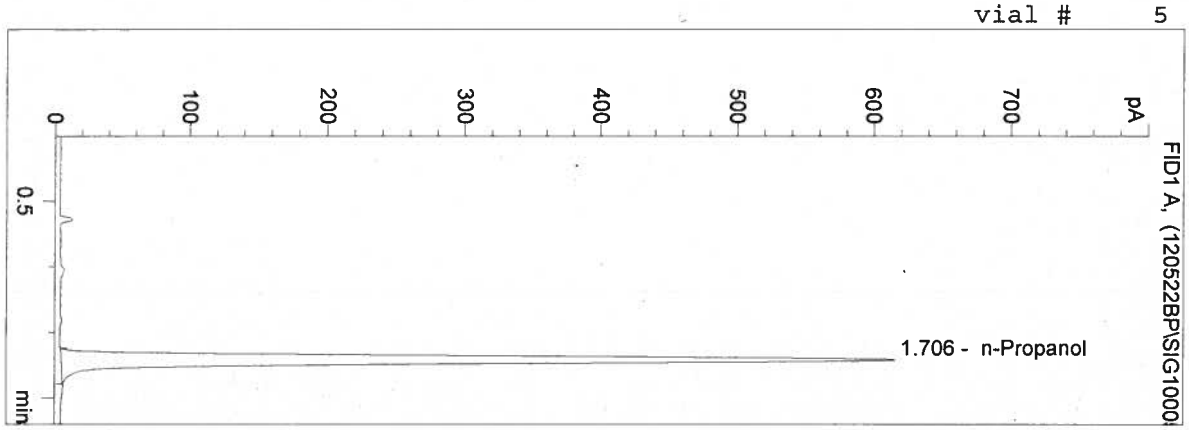
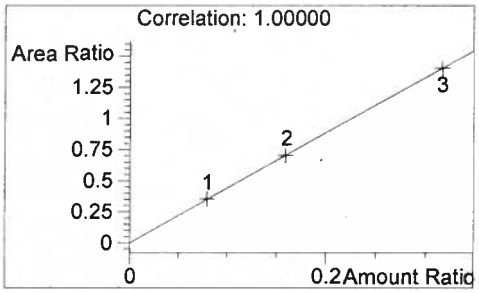
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

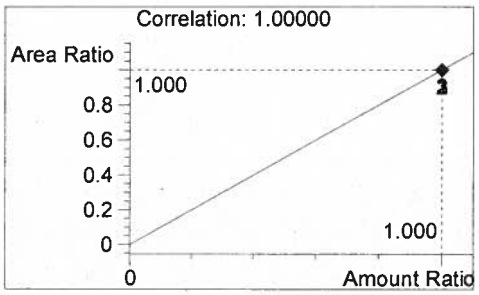
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2421	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

BP

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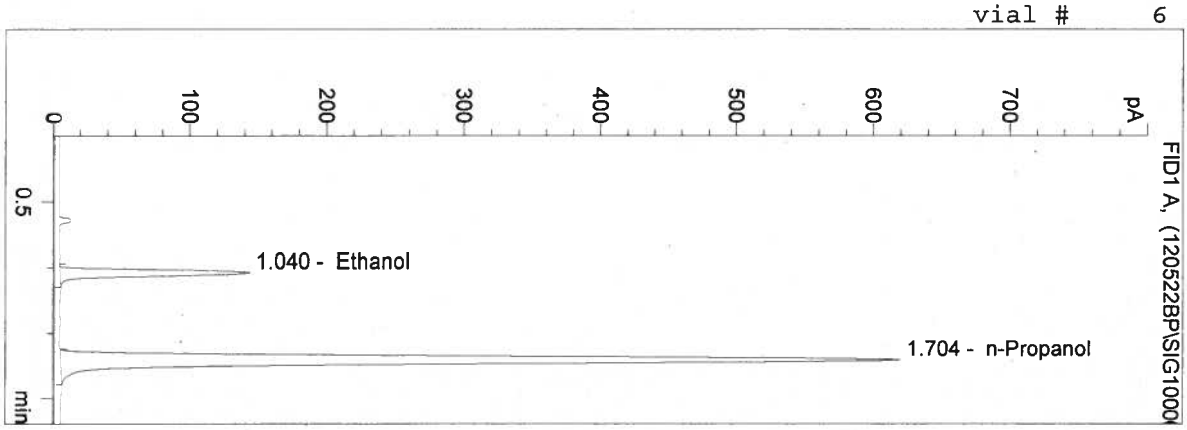
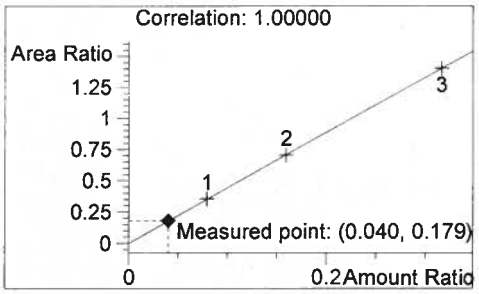
5/22/2012 9:41:19 AM
Instrument 1
DB-ALC1

0.04 CTRL - BP
Brianna Peterson

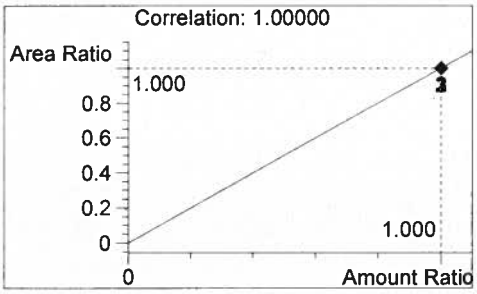
vial # 6



#	Compound	Area	RT
1	Ethanol	436	1.040
2	n-Propanol	2441	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12022

BP

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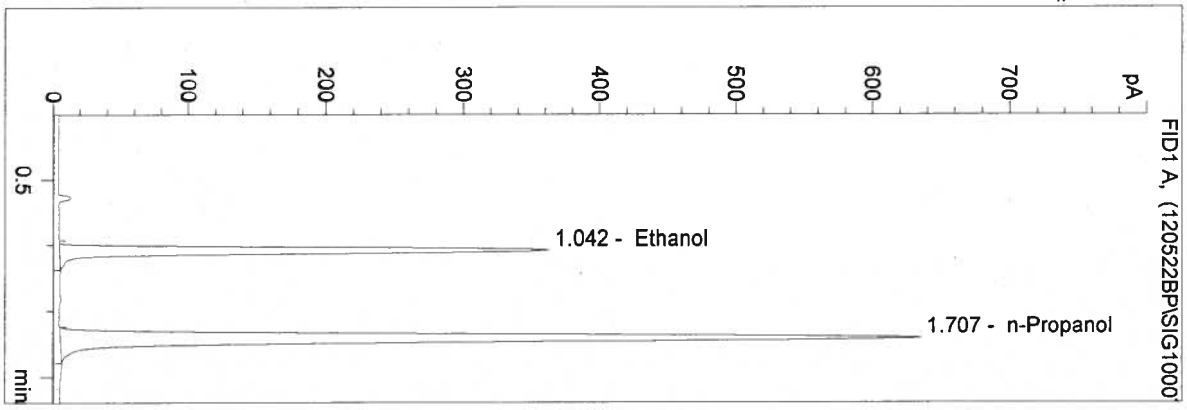
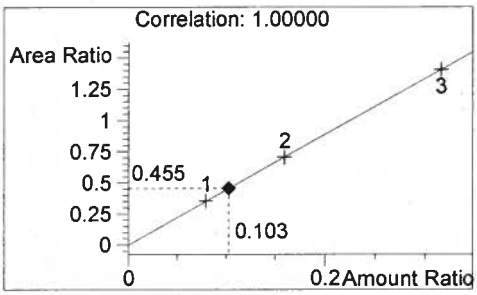
5/22/2012 9:44:24 AM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

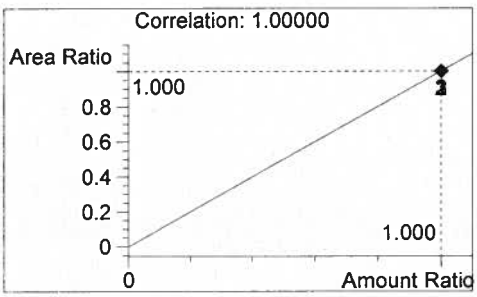
vial # 7



#	Compound	Area	RT
1	Ethanol	1141	1.042
2	n-Propanol	2508	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

12022

BP

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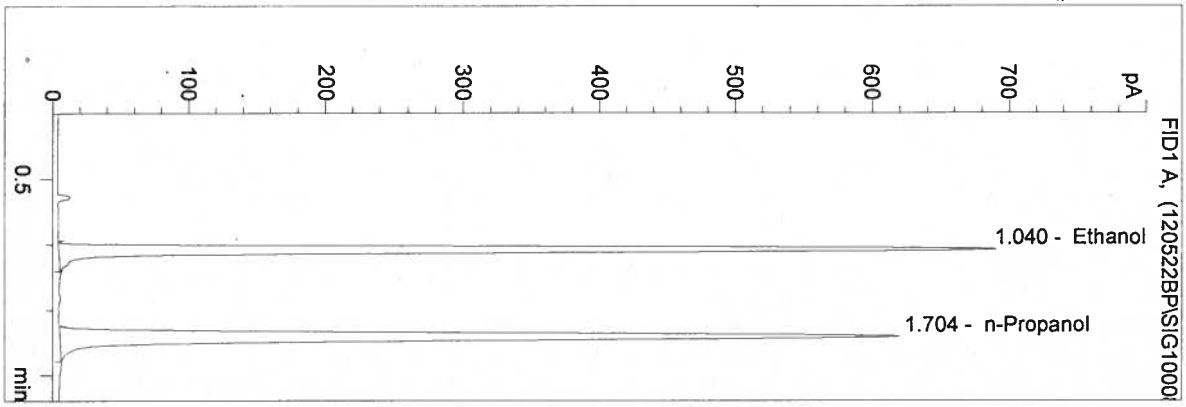
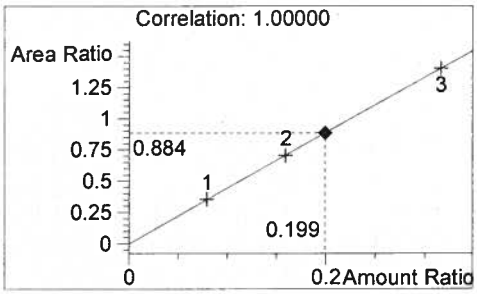
5/22/2012 9:47:29 AM
Instrument 1
DB-ALC1

0.20 CTRL - BP
Brianna Peterson

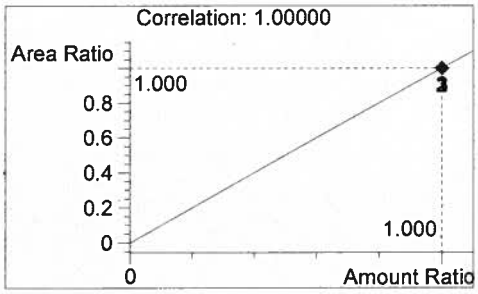
vial # 8



#	Compound	Area	RT
1	Ethanol	2155	1.040
2	n-Propanol	2437	1.704
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

12022

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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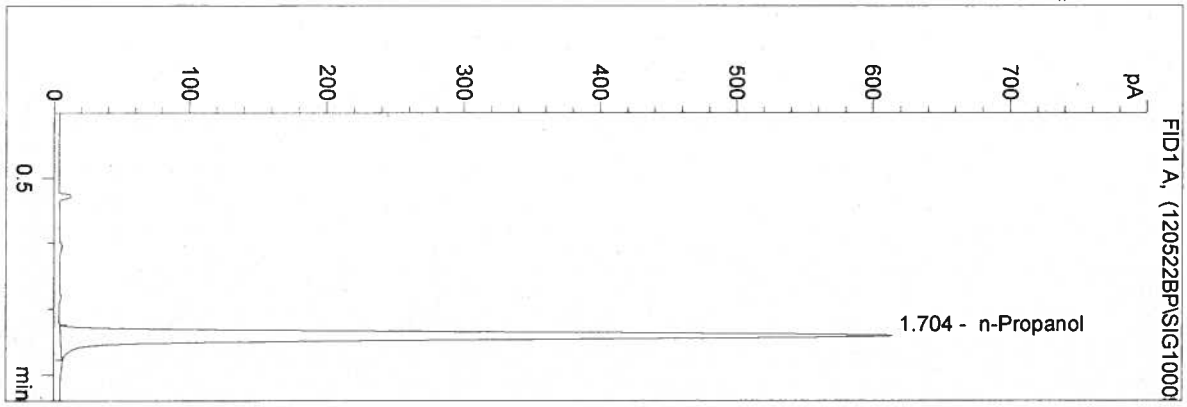
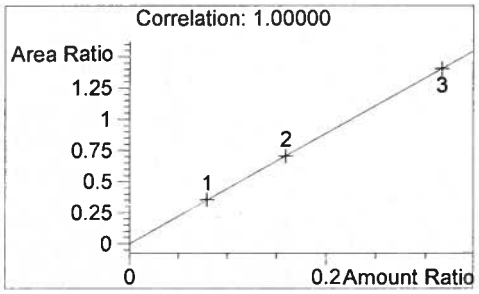
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

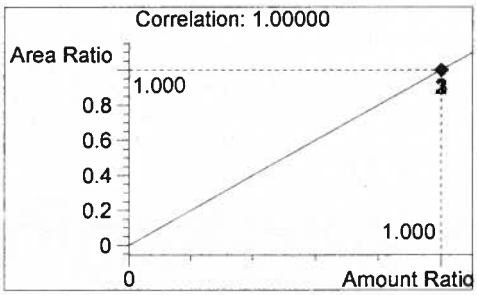
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2413	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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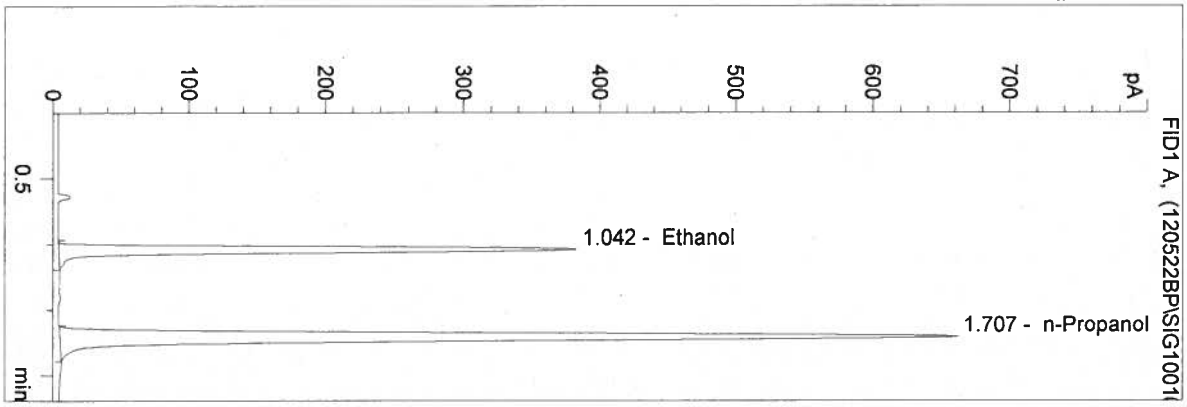
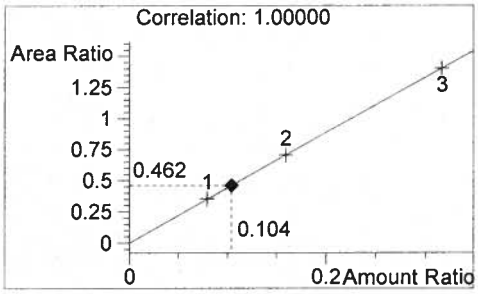
5/22/2012 9:53:38 AM
Instrument 1
DB-ALC1

12022 #1
Brianna Peterson

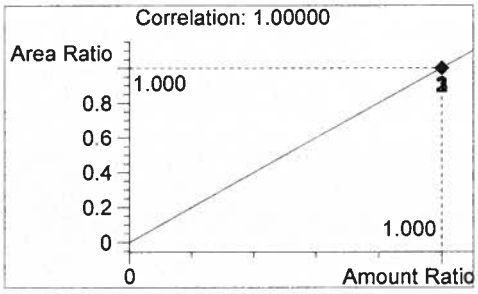
vial # 10



#	Compound	Area	RT
1	Ethanol	1206	1.042
2	n-Propanol	2613	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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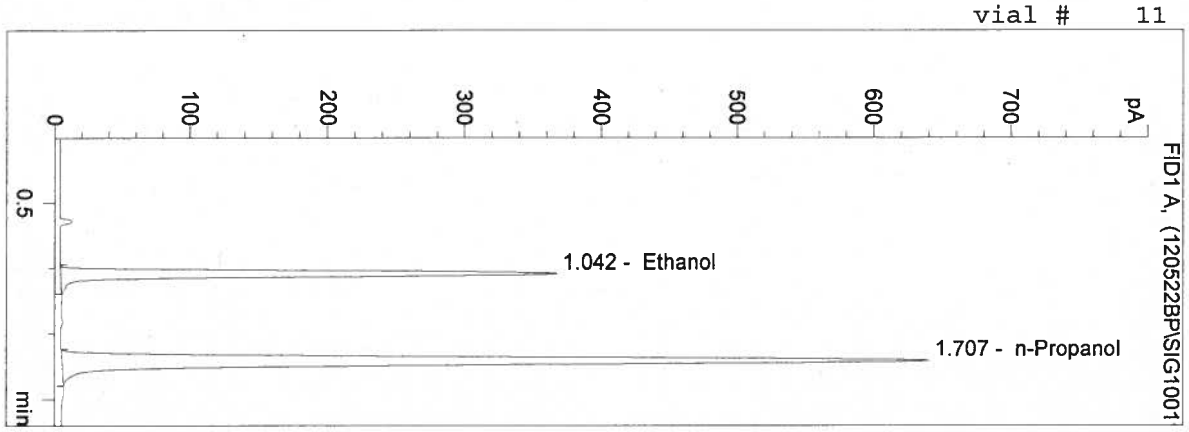
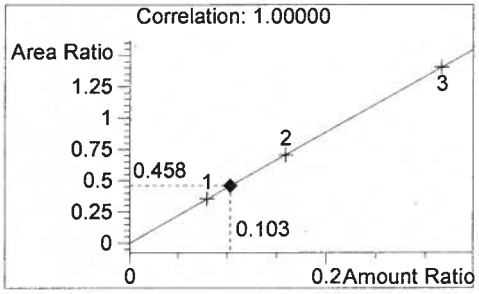
5/22/2012 9:56:43 AM
Instrument 1
DB-ALC1

12022 #2
Brianna Peterson

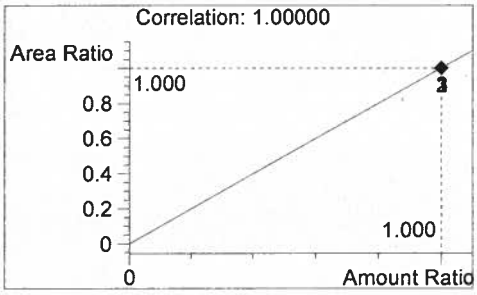
vial # 11



#	Compound	Area	RT
1	Ethanol	1156	1.042
2	n-Propanol	2524	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

BP

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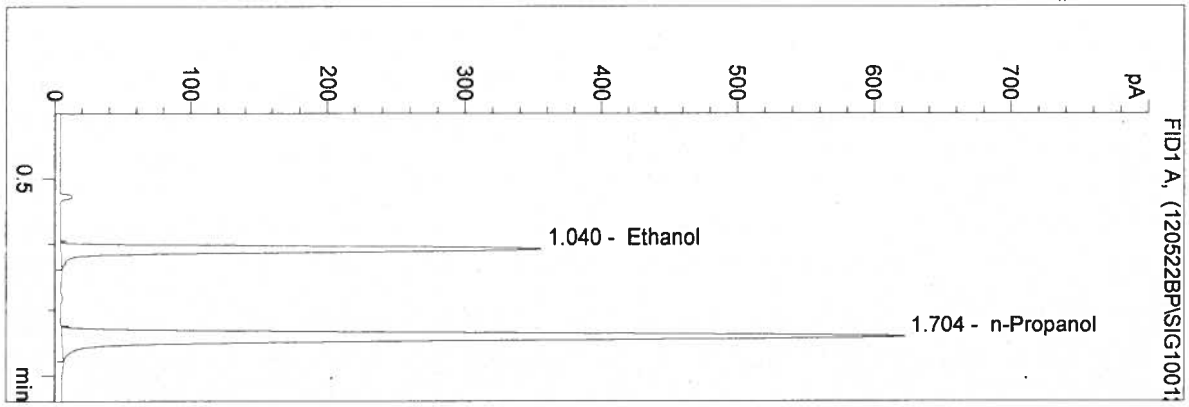
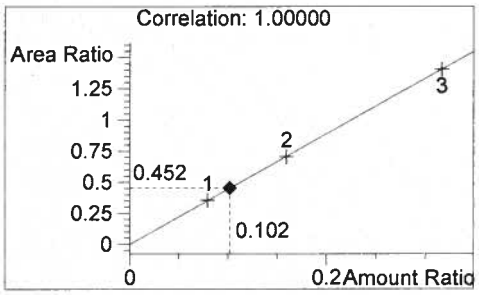
Instrument 1
DB-ALC1

12022 #3
Brianna Peterson

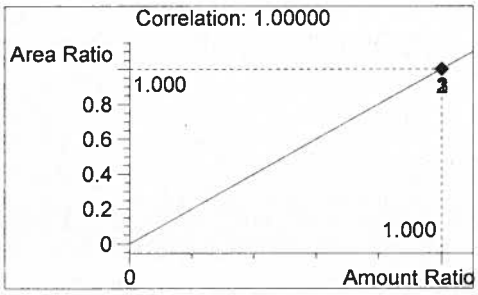
vial # 12



#	Compound	Area	RT
1	Ethanol	1105	1.040
2	n-Propanol	2443	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BP

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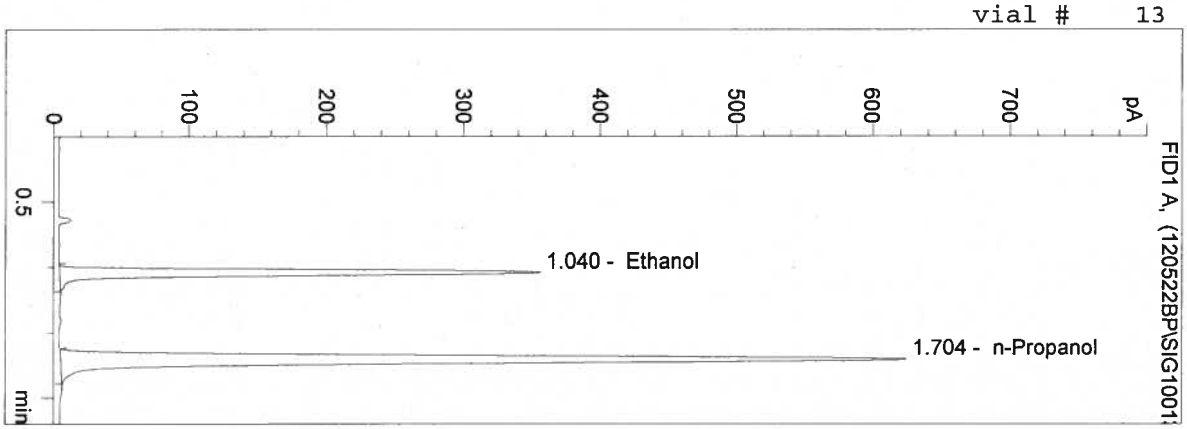
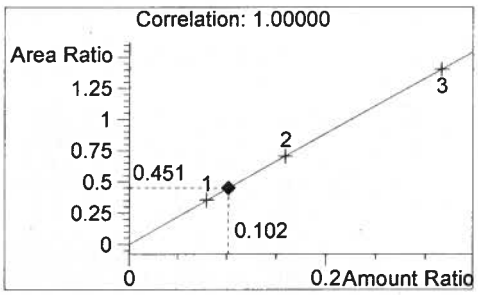
5/22/2012 10:02:52 AM
Instrument 1
DB-ALC1

12022 #4
Brianna Peterson

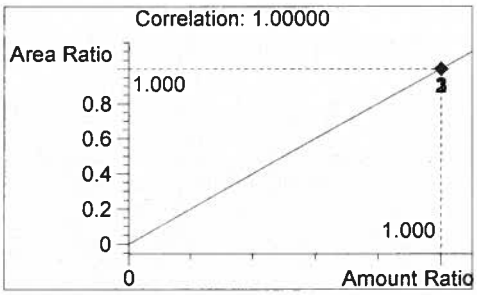
vial # 13



#	Compound	Area	RT
1	Ethanol	1105	1.040
2	n-Propanol	2451	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BP

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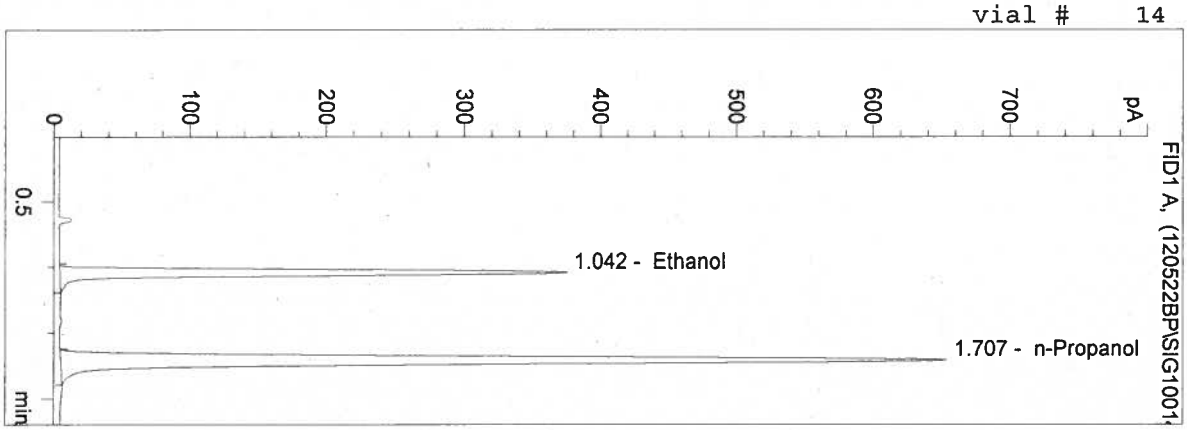
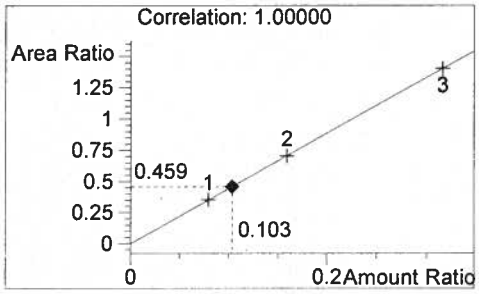
5/22/2012 10:05:57 AM
Instrument 1
DB-ALC1

12022 #5
Brianna Peterson

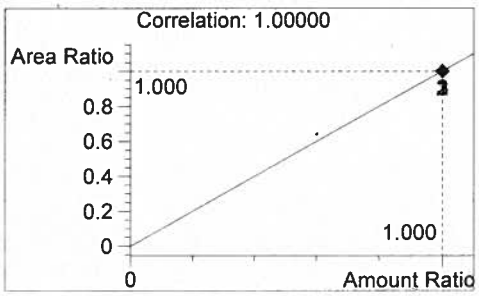
vial # 14



#	Compound	Area	RT
1	Ethanol	1187	1.042
2	n-Propanol	2585	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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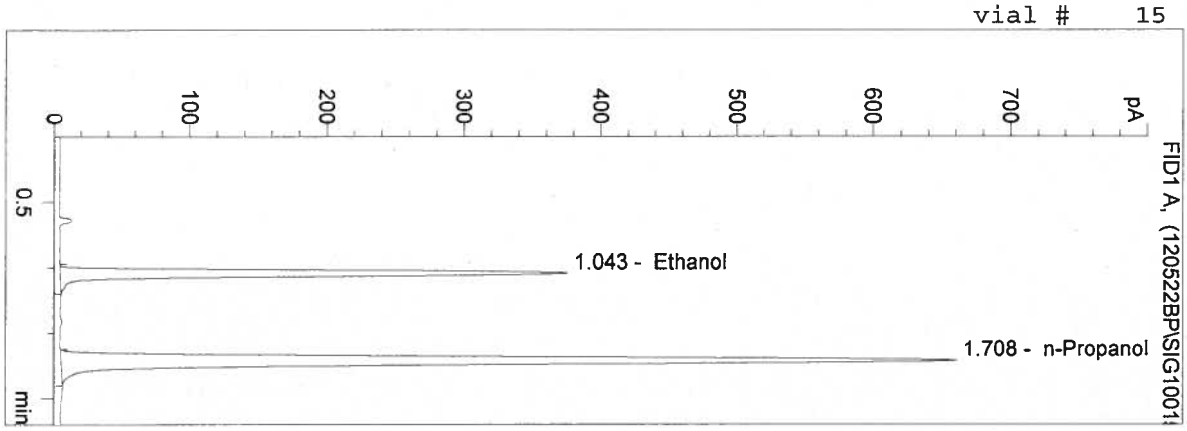
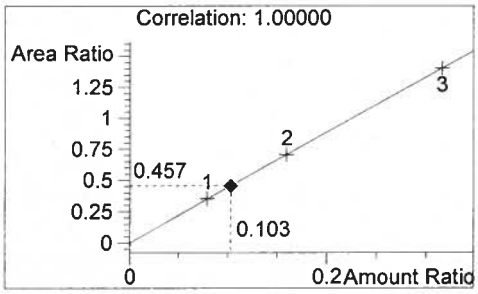
5/22/2012 10:09:02 AM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

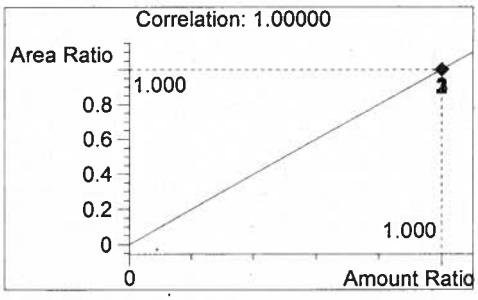
vial # 15



#	Compound	Area	RT
1	Ethanol	1195	1.043
2	n-Propanol	2618	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

12022

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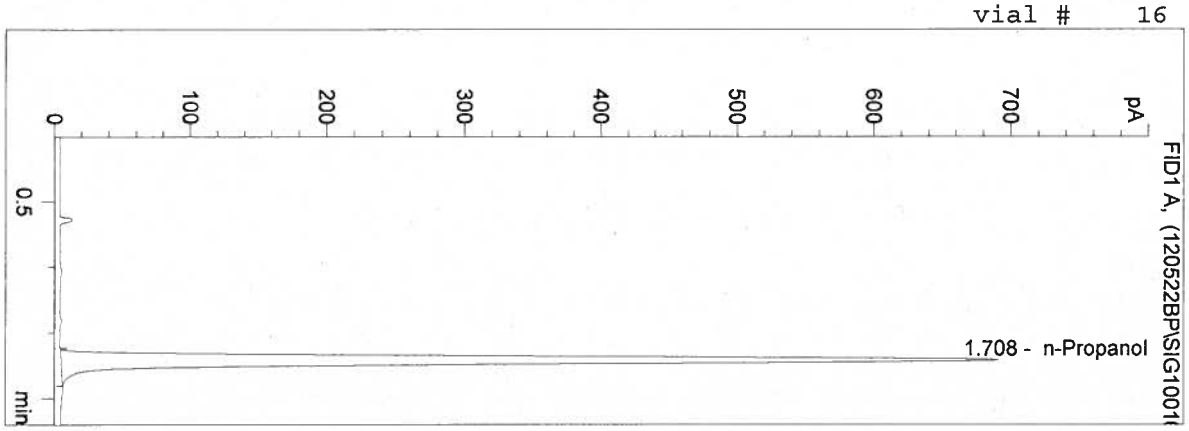
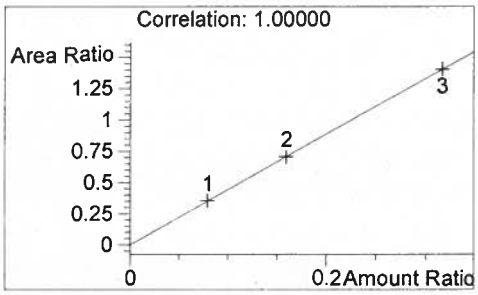
5/22/2012 10:12:07 AM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

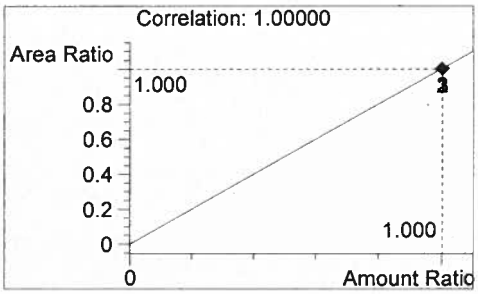
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2737	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12022

BP