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: 12013

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: 03/14/2012
BATCH UNITS: g/100mL

IDENTITY: External Standard Solution
PREPARED BY: Christie Mitchell-Mata

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

ETHANOL CONTROL INFORMATION
LOT NUMBER: A075806 EXPIRATION: 11/2014 CONCENTRATION: 0.10 g/100mL
A083355 12/2015

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1030 g/100mL
STANDARD DEVIATION: 0.00088
PRECISION CV (%): 0.85
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0837 g/210L**
EXPANDED UNCERTAINTY: ± 0.0026 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

4.10.2012
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
CM	Christie Mitchell-Mata	Christie Mitchell-Mata	03/14/2012
SS	Sarah Swenson		03/20/2012
BP	Brianna Peterson	Brianna Peterson	03/20/2012
AJL	Asa J. Louis		03/21/2012
JLK	Justin L. Knoy		03/22/2012
RF	Rebecca Flaherty		03/23/2012
CSJ	Christopher S. Johnston		03/23/2012
DC	Dawn Cox		03/26/2012

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 #: 12013 **Date Prepared:** 3/14/2012

Analyst:	CM	SS	BP	AJL	JLK	RF	CSJ	DC
Date Tested:	3/14/2012	3/20/2012	3/20/2012	3/21/2012	3/22/2012	3/23/2012	3/23/2012	3/26/2012
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.103	0.102	0.103	0.104	0.103	0.103	0.102	0.104
2	0.103	0.103	0.102	0.104	0.103	0.102	0.102	0.102
3	0.103	0.103	0.101	0.105	0.103	0.104	0.102	0.103
4	0.103	0.104	0.103	0.104	0.103	0.103	0.102	0.104
5	0.104	0.103	0.102	0.102	0.103	0.103	0.103	0.105
C	0.101	0.100	0.100	0.101	0.101	0.102	0.101	0.102

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000725074	0.0000560169	0.0001016326

Ethanol Control Lot #: A075806,A083355
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1030 g/100mL
Standard Deviation: 0.00088 g/100mL
Precision CV (%): 0.85
Equivalent Vapor Concentration: 0.0837 g/210L
Combined Standard Uncertainty (±): 0.0013 g/210L
Expanded Uncertainty (±): 0.0026 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Ruberton Melissa L. Ruberton 4-2-12
Name Signature Date

Calculations verified by: Jason Skleron 4-5-12
Name Signature Date

Method: Hand Calculator

Technical review of batch file performed by:
Melissa L. Ruberton Melissa L. Ruberton 4-5-2012
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** 4/5/12

Location: WSP-FLSB; SEATTLE, WA **Solution Batch Number:** 12013

	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: (SKLEROV) **Date:** 4-5-12

Reviewer Signature: N/A JAB 4/5/12 **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	2012 Apr 03
Brian Capron		
Brianna Peterson	BP	4/2/12
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell-Mata	CM	4/2/12
Christopher Johnston	CJ	4/2/12
Dawn Cox	DC	4.3.12
Justin Knoy	JK	4.3.12
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	4-2-12
Sarah Swenson	SMS	4/2/12

Batch # 12013

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 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

Christie Mitchell-Mata 4/2/2012

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 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

4/2/12

Sarah M. Swenson — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE TOXICOLOGY LABORATORY
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

Brianna Peterson 4/2/12

Brianna Peterson Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

2012 Apr 03

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 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

4-3-12

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 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

4-2-12

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

4/4/2012

Christopher S. Johnston Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12013

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 12013, was prepared in the Washington State Toxicology Laboratory on 3/14/2012. 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 3/14/2013.

Seattle, WA

Dawn Cox 4.3.12

Dawn Cox 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: 3/14/2012 Initials of Preparer: CM

Expiration Date: 3/14/2013

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

Date the 200-proof Ethanol bottle was opened: 3/14/2012

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.0	18	☐	
ESS	66.5	52	☑	12013

Stir bar is rotating	☑	
Stirred for minimum 30 minutes; 2 hours for ESS	☑	
Spigot purged	☑	
Aliquot taken	☑	
Batch labeled, packaged and sealed	☑	3/14/12 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:

Christa Mitchell-Mata
Analyst Signature

3/14/12
Date

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:	120314CM
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#A075806 exp 11/2014
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#E0112-01 Exp. 4/29/2012
3	Vial 3	Lot#E0112-02 Exp. 4/29/2012
4	Vial 4	Lot#E0112-03 Exp. 4/29/2012
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	

12013

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	12013 #1	SIMALC1	1	Sample		
11	Vial 11	12013 #2	SIMALC1	1	Sample		
12	Vial 12	12013 #3	SIMALC1	1	Sample		
13	Vial 13	12013 #4	SIMALC1	1	Sample		
14	Vial 14	12013 #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!

12013

CM

Calibration Table

Calib. Data Modified : Wednesday, March 14, 2012 11:10:07 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
1.045	1	1	7.90200e-2	962.98230	8.20576e-5	1		Ethanol
		2	1.58720e-1	1958.81702	8.10285e-5			
		3	3.17800e-1	3898.70703	8.15142e-5			
1.710	1	1	1.00000	2763.57544	3.61850e-4	I1		n-Propanol
		2	1.00000	2809.49121	3.55936e-4			
		3	1.00000	2838.05127	3.52354e-4			

Peak Sum Table

No Entries in table

12013

CM

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Calibration Curves

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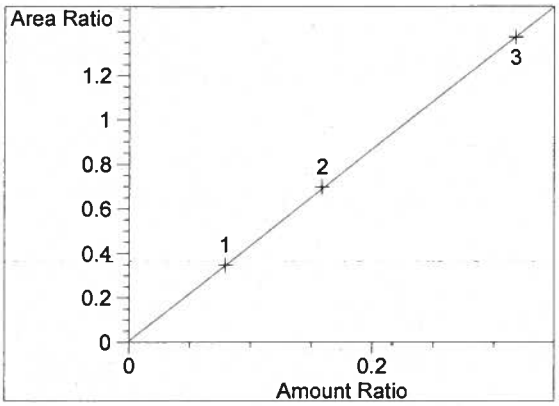
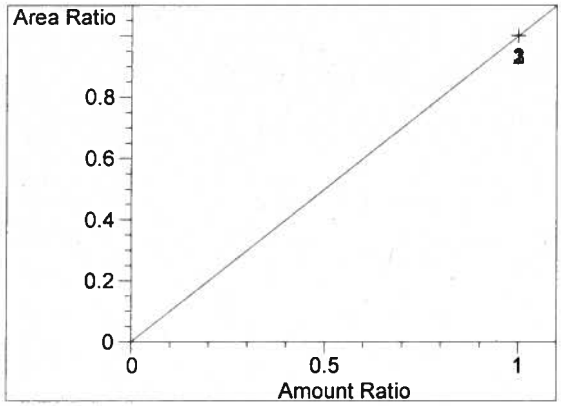


Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00669
Formula: y = mx + b
m: 4.31915
b: 4.98333e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
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

==========

12013

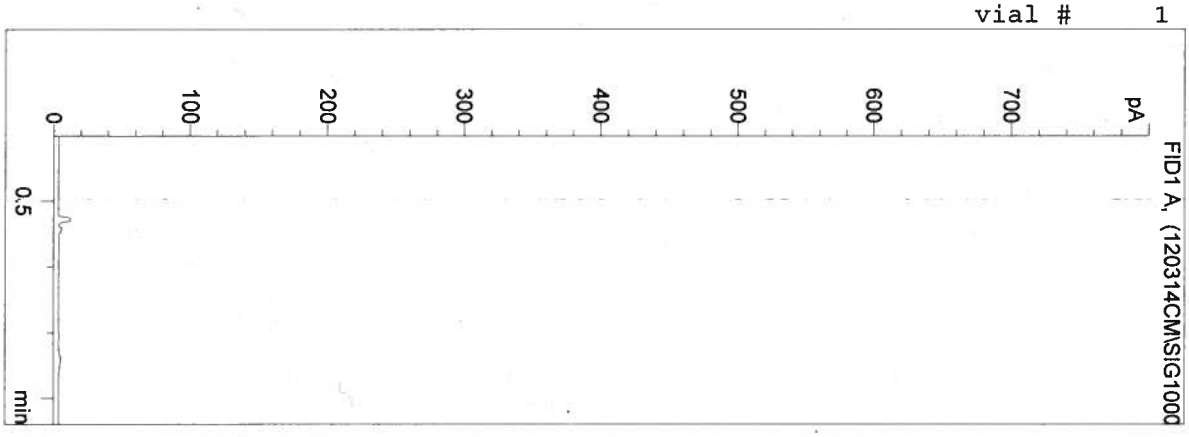
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

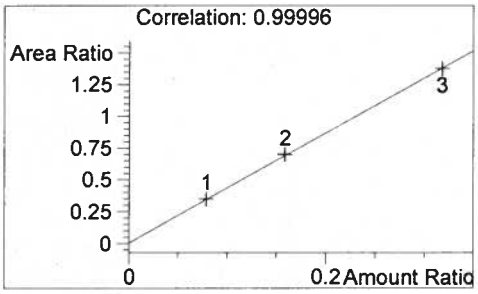
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 10:58:40 AM
Instrument 1
DB-ALC1

BLANK
Christie Mitchell-Mata

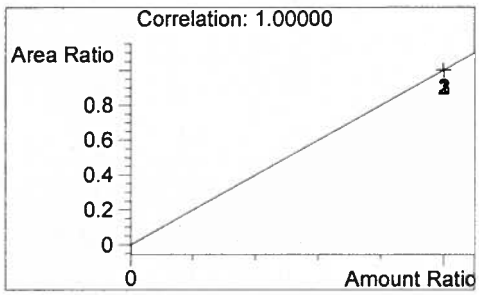
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12013

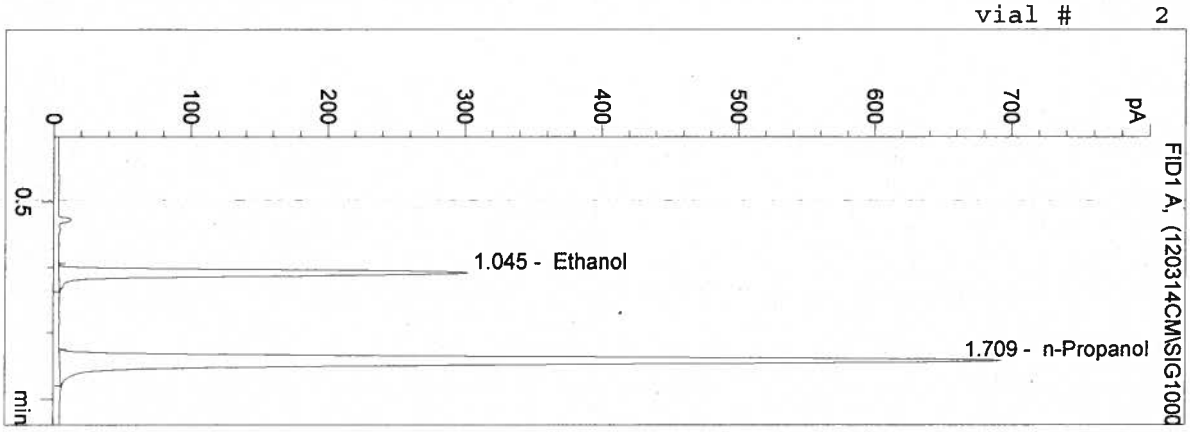
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

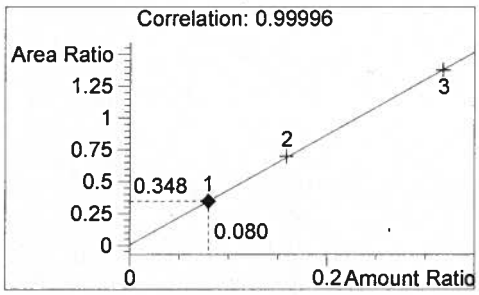
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:01:45 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Christie Mitchell-Mata

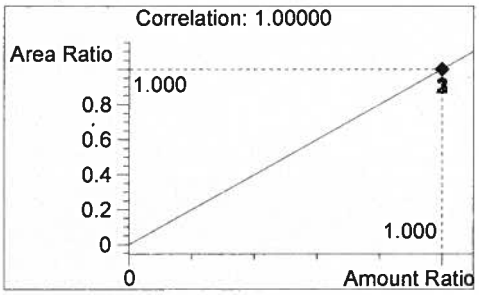
vial # 2



#	Compound	Area	RT
1	Ethanol	963	1.045
2	n-Propanol	2764	1.709
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

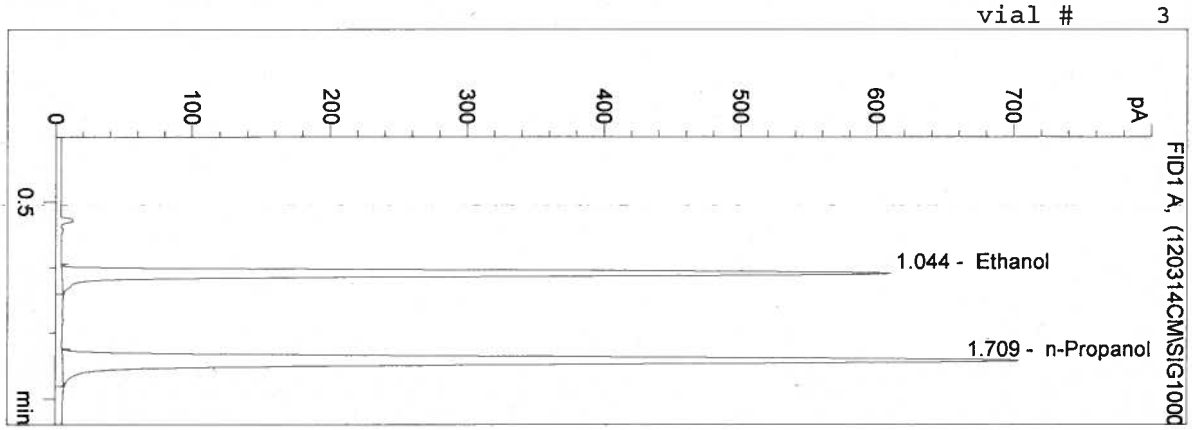
12013 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

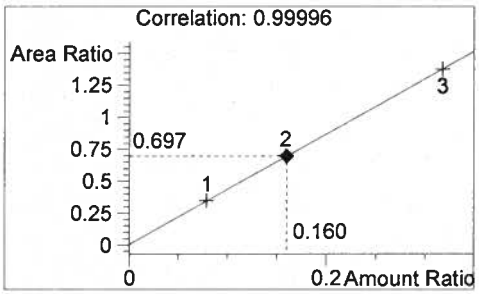
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:04:50 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Christie Mitchell-Mata

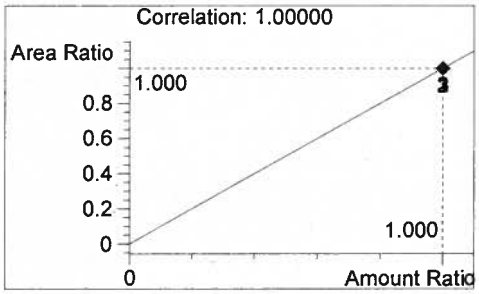
vial # 3



#	Compound	Area	RT
1	Ethanol	1959	1.044
2	n-Propanol	2809	1.709
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

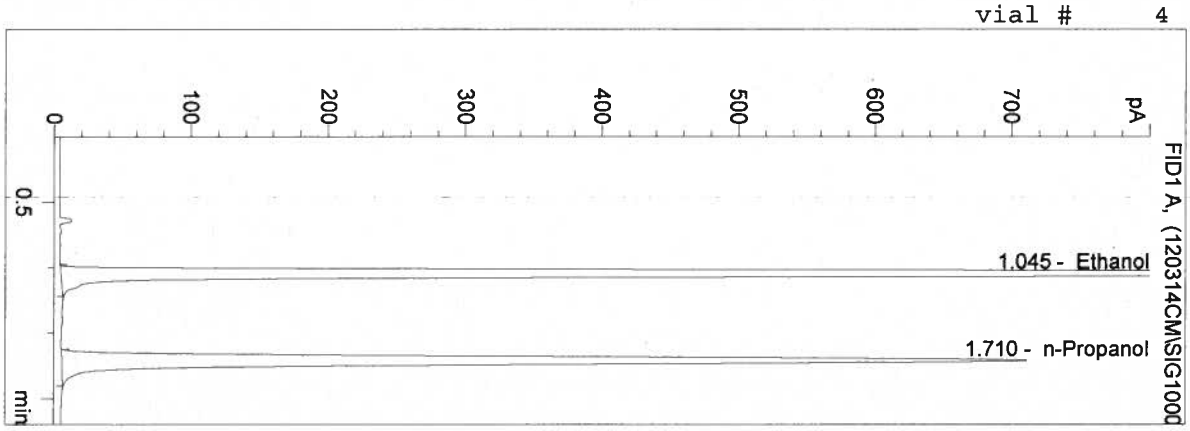
12013 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

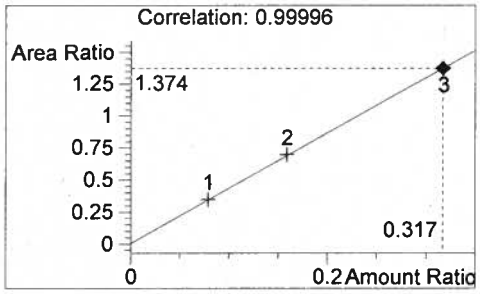
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:07:54 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Christie Mitchell-Mata

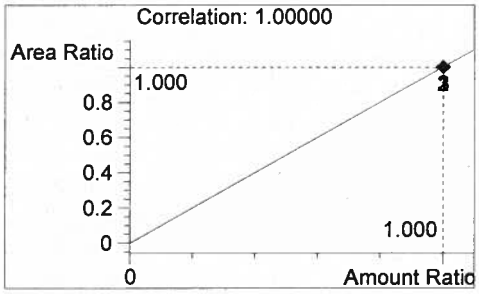
vial # 4



#	Compound	Area	RT
1	Ethanol	3899	1.045
2	n-Propanol	2838	1.710
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

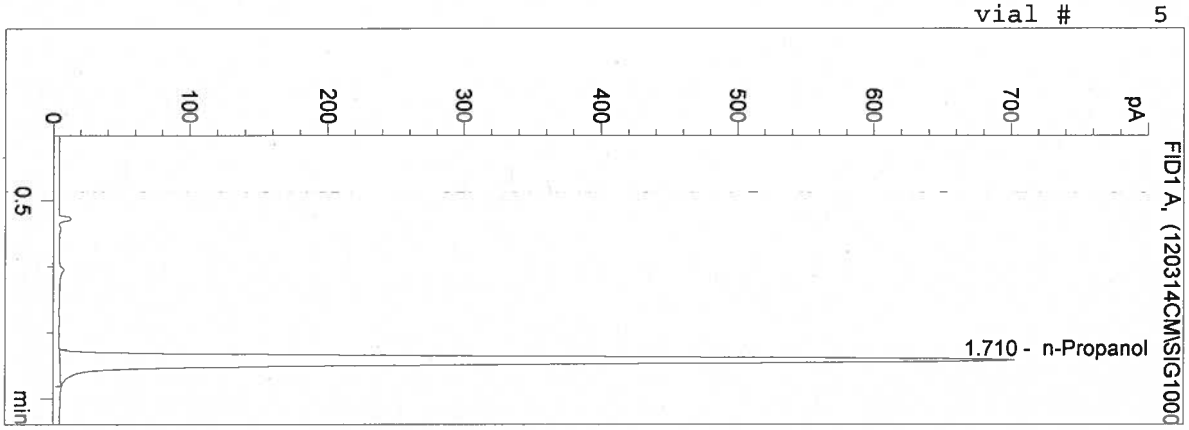
12013 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

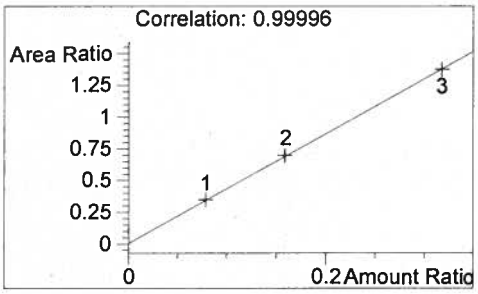
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:10:59 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

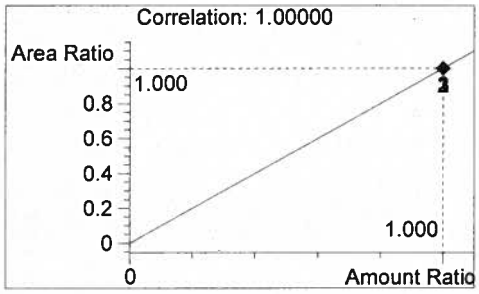
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2807	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

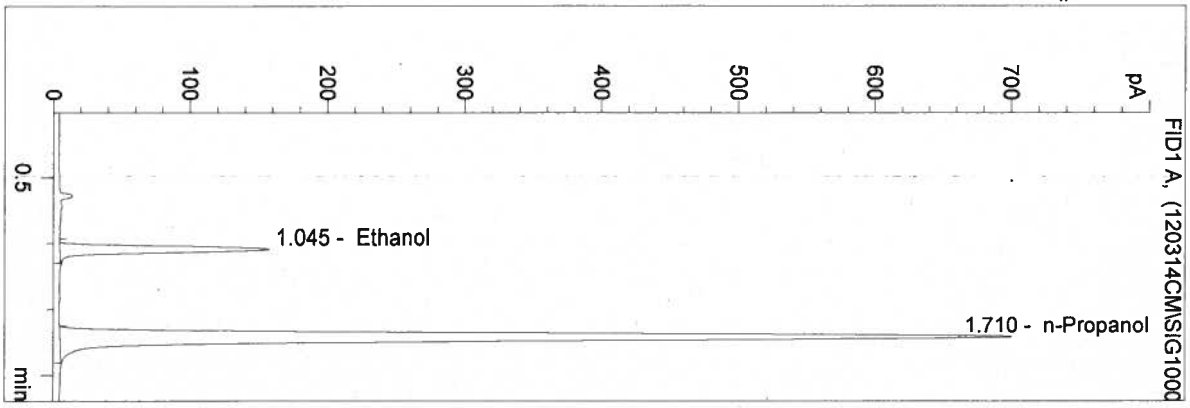
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

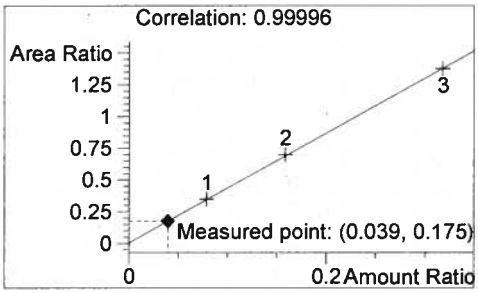
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:14:04 AM
Instrument 1
DB-ALC1

0.04 CTRL - CM
Christie Mitchell-Mata

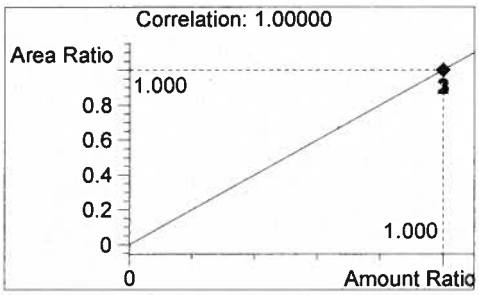
vial # 6



#	Compound	Area	RT
1	Ethanol	490	1.045
2	n-Propanol	2796	1.710
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

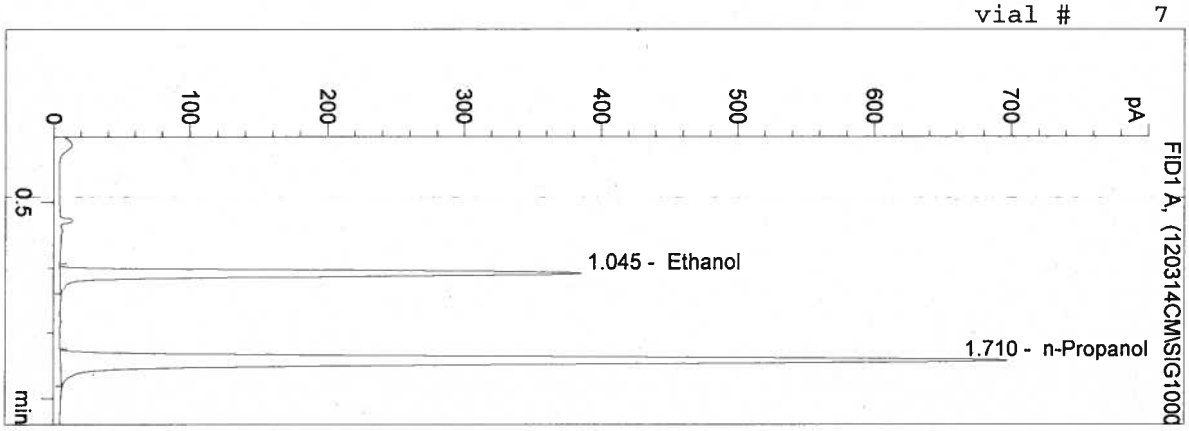
12013 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

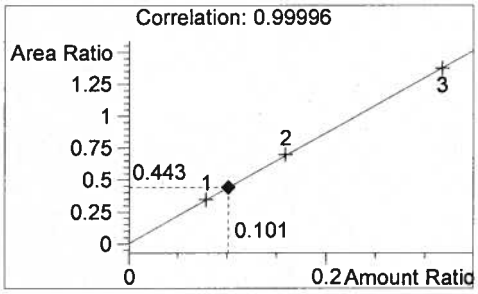
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:17:08 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

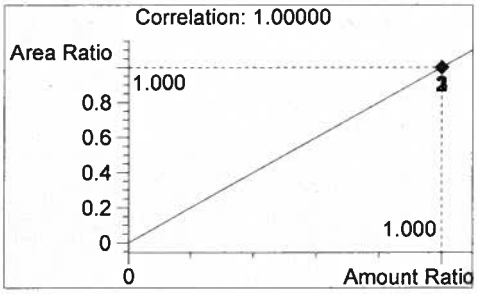
vial # 7



#	Compound	Area	RT
1	Ethanol	1234	1.045
2	n-Propanol	2786	1.710
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12013

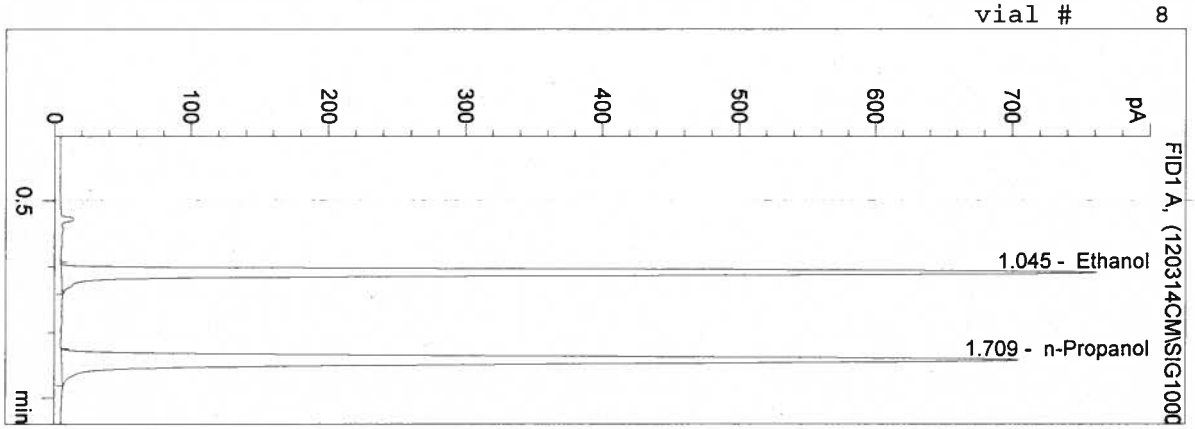
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

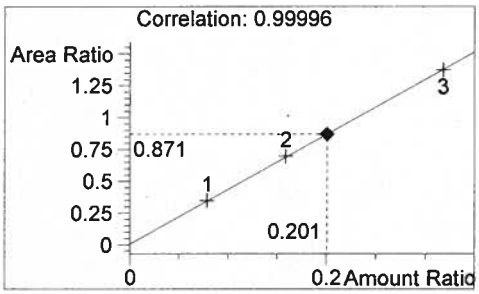
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:20:13 AM
Instrument 1
DB-ALC1

0.20 CTRL - CM
Christie Mitchell-Mata

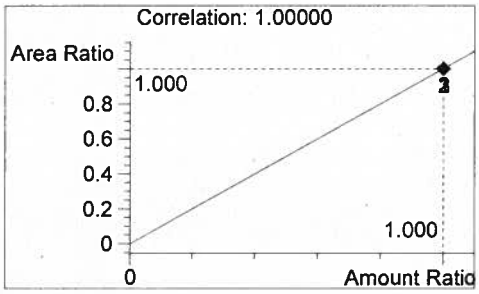
vial # 8



#	Compound	Area	RT
1	Ethanol	2451	1.045
2	n-Propanol	2813	1.709
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

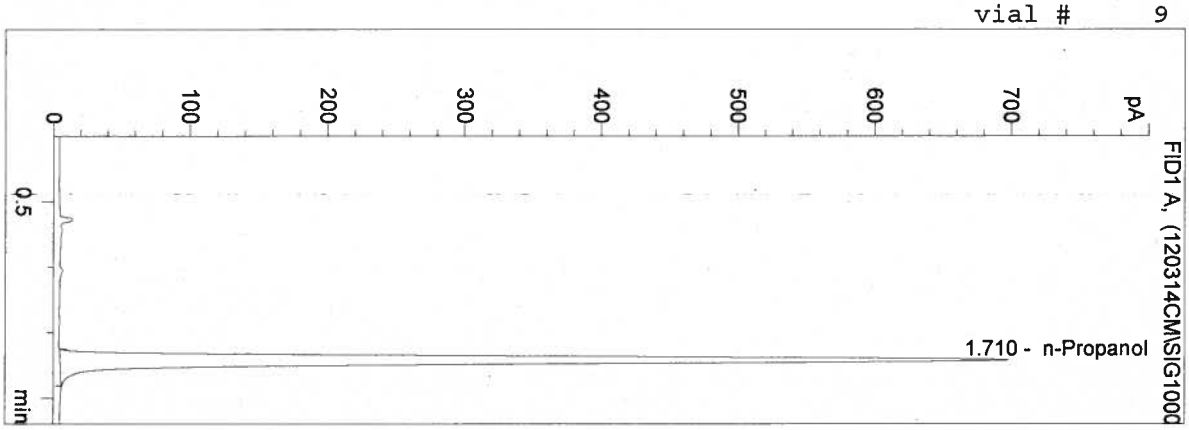
12013 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

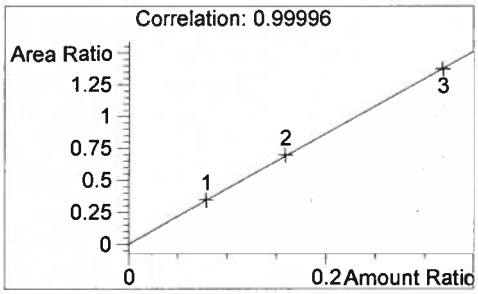
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:23:18 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

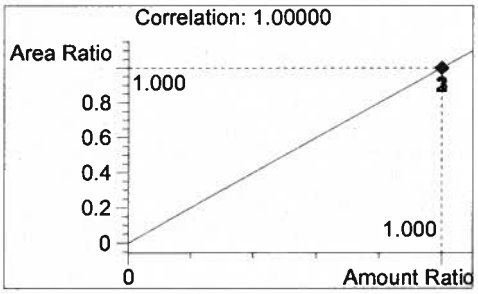
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2781	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

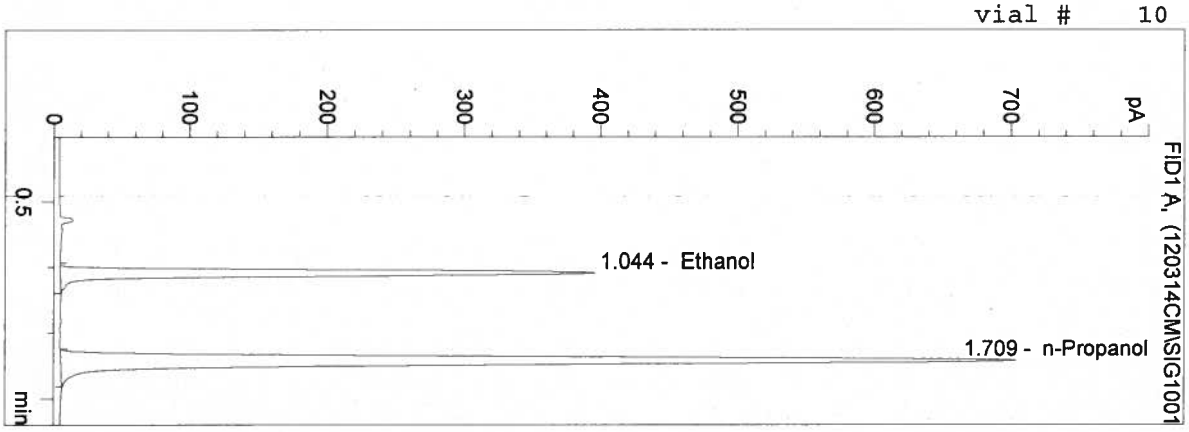
12013 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

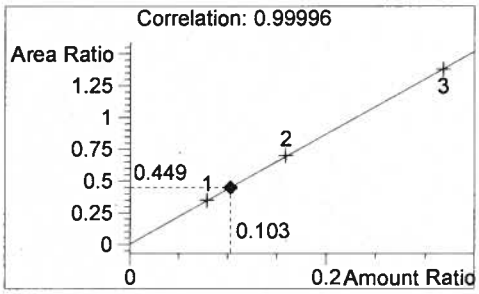
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:26:23 AM
Instrument 1
DB-ALC1

12013 #1
Christie Mitchell-Mata

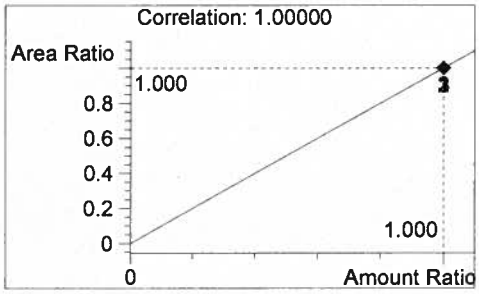
vial # 10



#	Compound	Area	RT
1	Ethanol	1262	1.044
2	n-Propanol	2810	1.709
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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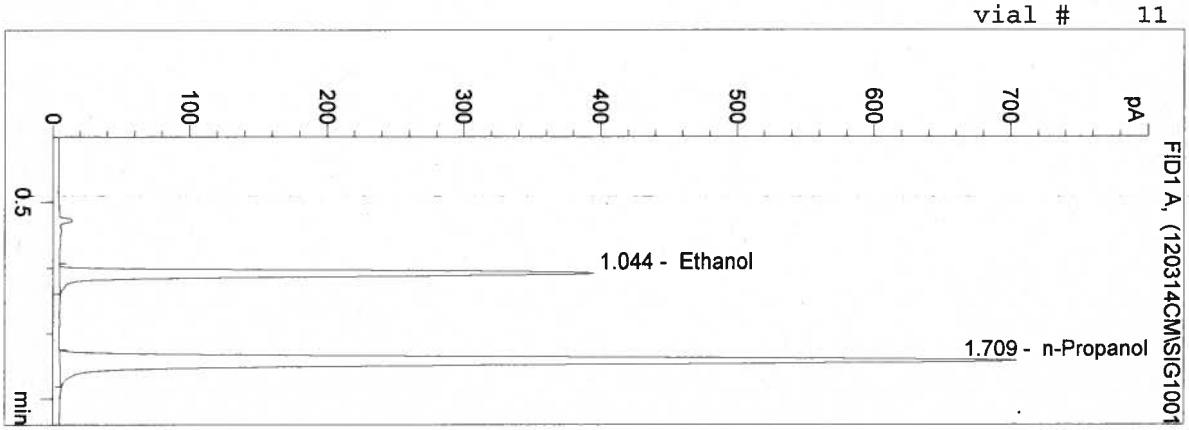
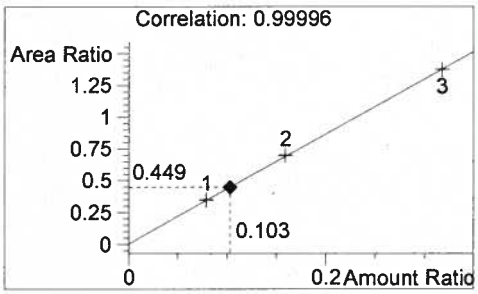
3/14/2012 11:29:27 AM
Instrument 1
DB-ALC1

12013 #2
Christie Mitchell-Mata

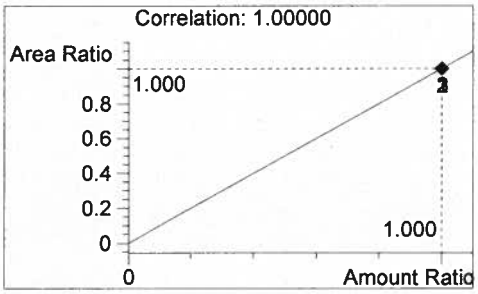
vial # 11



#	Compound	Area	RT
1	Ethanol	1261	1.044
2	n-Propanol	2805	1.709
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

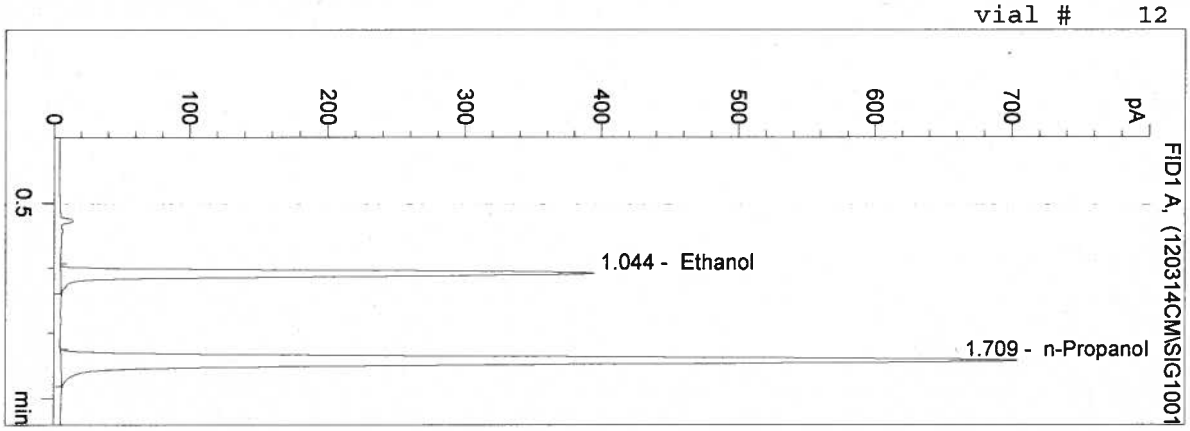
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

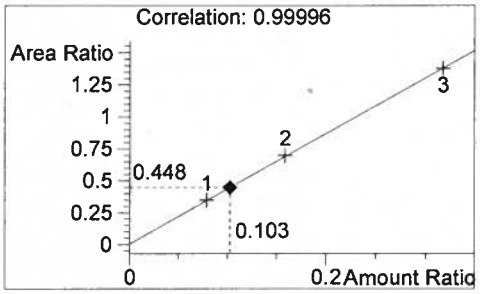
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:32:32 AM
Instrument 1
DB-ALC1

12013 #3
Christie Mitchell-Mata

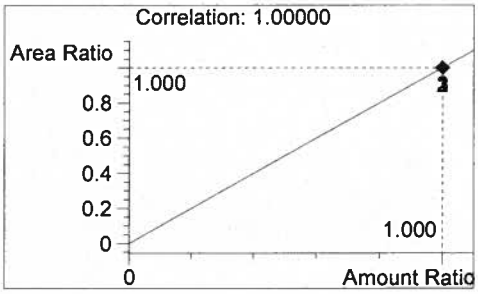
vial # 12



#	Compound	Area	RT
1	Ethanol	1258	1.044
2	n-Propanol	2808	1.709
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

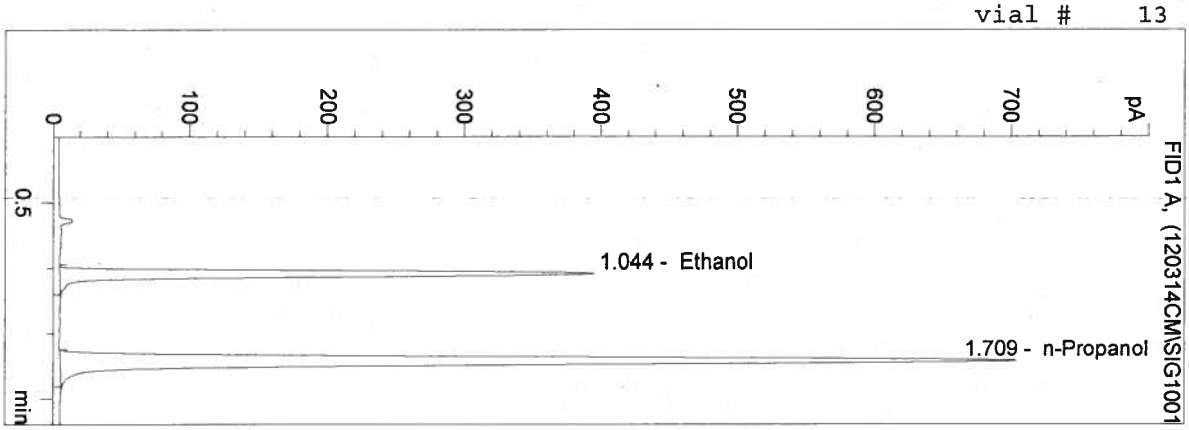
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

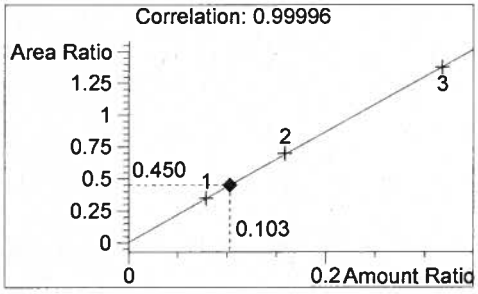
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:35:37 AM
Instrument 1
DB-ALC1

12013 #4
Christie Mitchell-Mata

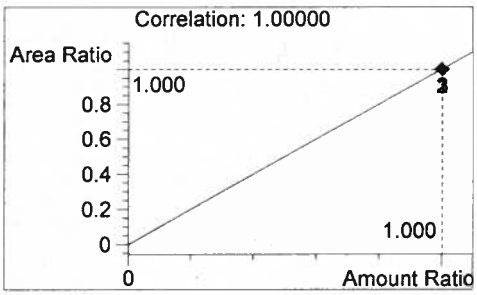
vial # 13



#	Compound	Area	RT
1	Ethanol	1262	1.044
2	n-Propanol	2807	1.709
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

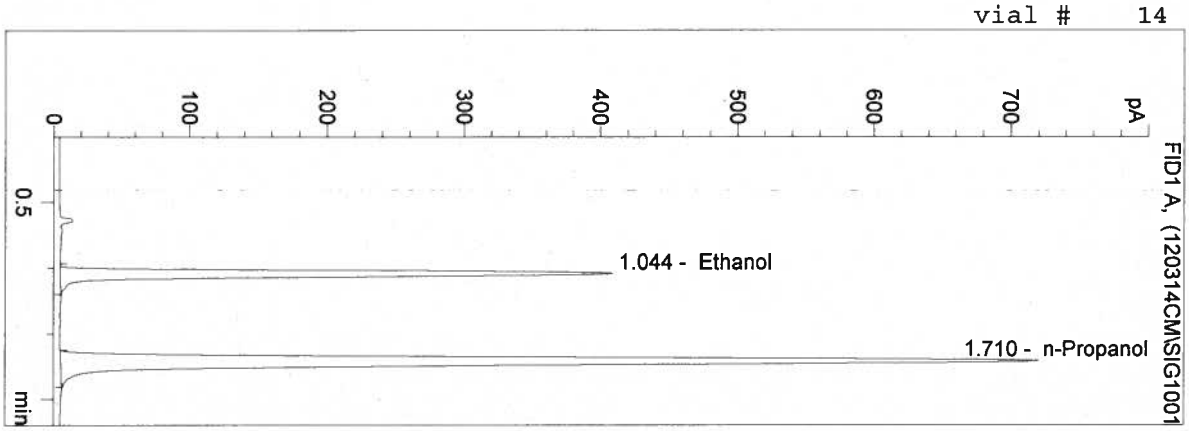
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

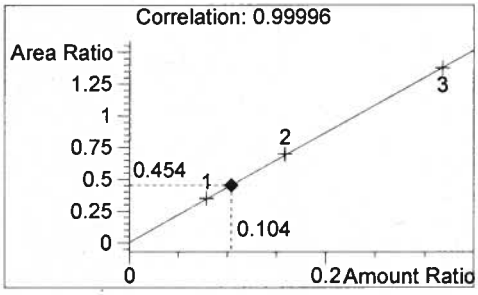
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:38:41 AM
Instrument 1
DB-ALC1

12013 #5
Christie Mitchell-Mata

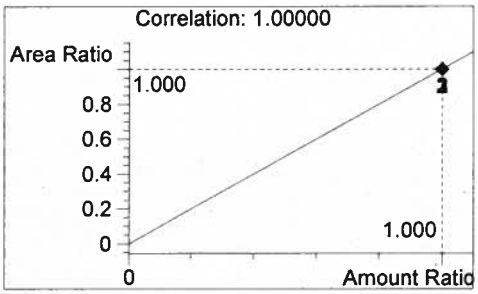
vial # 14



#	Compound	Area	RT
1	Ethanol	1303	1.044
2	n-Propanol	2867	1.710
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

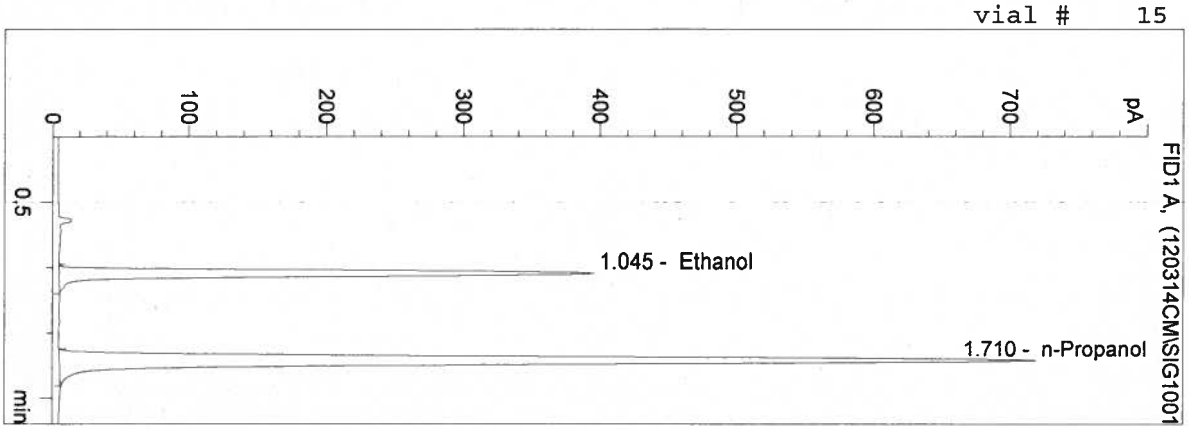
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

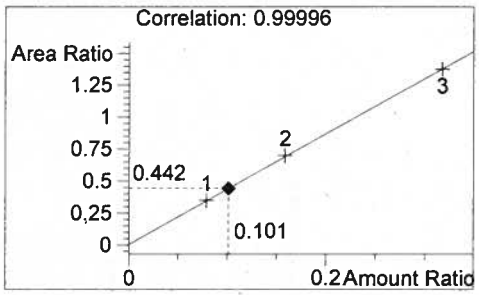
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:41:46 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell-Mata

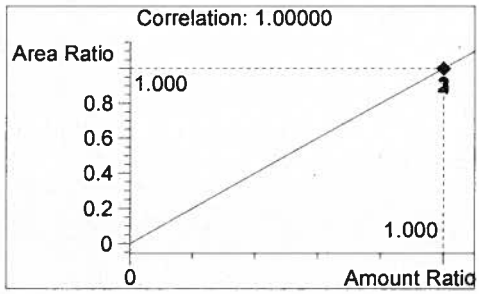
vial # 15



#	Compound	Area	RT
1	Ethanol	1269	1.045
2	n-Propanol	2869	1.710
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

CM

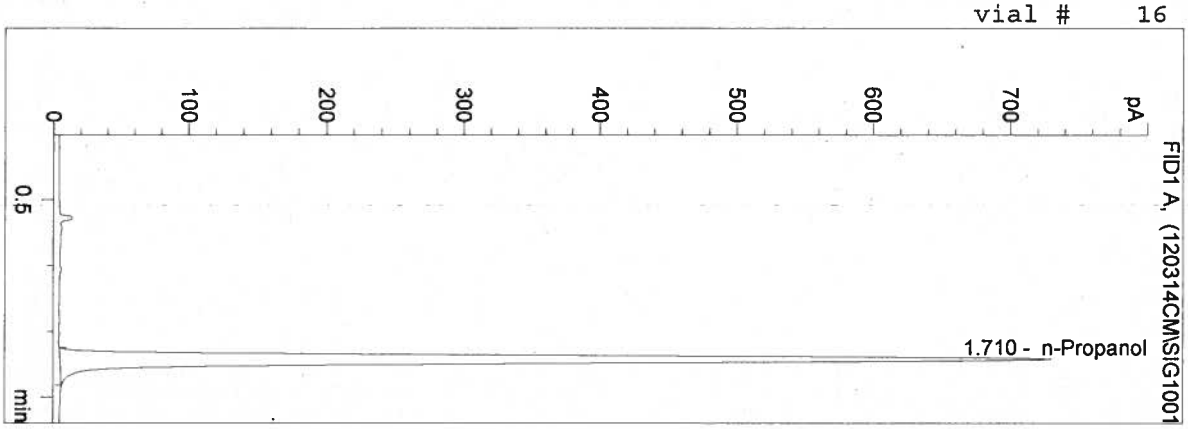
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

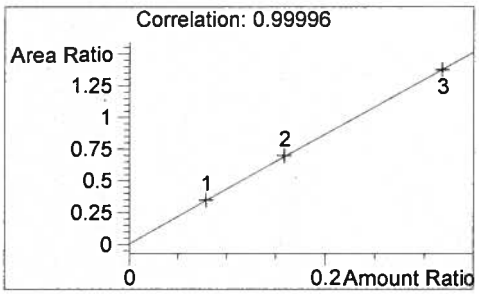
C:\HPCHEM\1\METHODS\SIMALC1.M
3/14/2012 11:44:51 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell-Mata

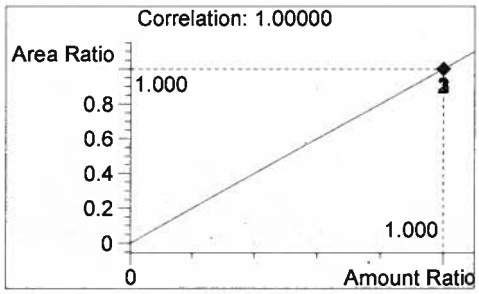
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2914	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

2013 CM

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:	120320SS
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 # E1112-01 - exp 4/29/12
3	Vial 3	0.158 Calibrator - Lot # E1112-02 - exp 4/29/12
4	Vial 4	0.316 Calibrator - Lot # E1112-03 - exp 4/29/12
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 12013

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	12013 #1	SIMALC1	1	Sample		
11	Vial 11	12013 #2	SIMALC1	1	Sample		
12	Vial 12	12013 #3	SIMALC1	1	Sample		
13	Vial 13	12013 #4	SIMALC1	1	Sample		
14	Vial 14	12013 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-SS	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

SMS 12013

Calibration Table

Calib. Data Modified : Tuesday, March 20, 2012 9:53:19 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.90200e-2	918.93909	8.59905e-5	1		Ethanol
		2	1.58720e-1	1903.51099	8.33828e-5			
		3	3.17800e-1	3529.18628	9.00491e-5			
1.707	1	1	1.00000	2560.64502	3.90527e-4	I1		n-Propanol
		2	1.00000	2654.51855	3.76716e-4			
		3	1.00000	2529.01978	3.95410e-4			

Peak Sum Table

No Entries in table

SMS

12013

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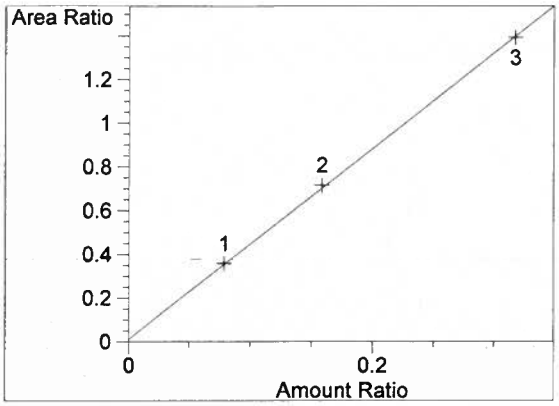
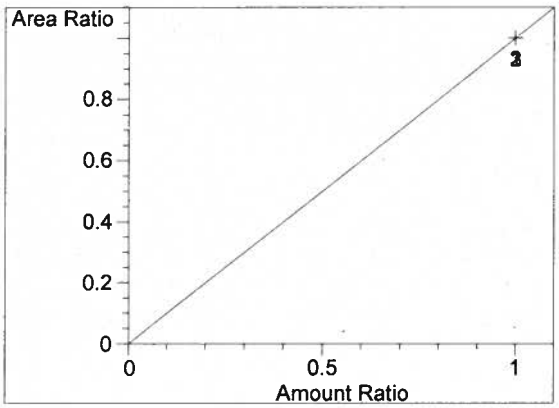
Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99986
Residual Std. Dev.: 0.01201
Formula: y = mx + b
m: 4.38540
b: 8.79109e-3
x: Amount Ratio
y: Area Ratio



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

==========

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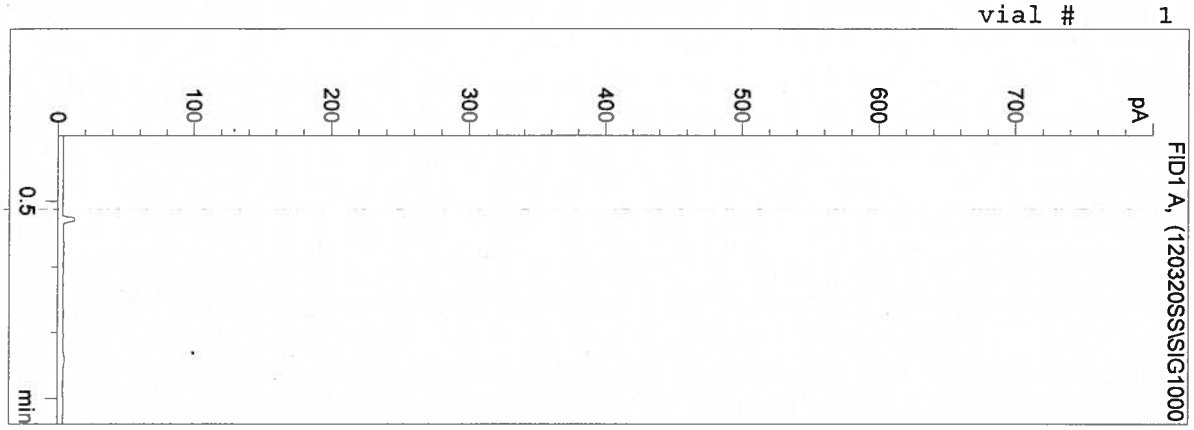
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

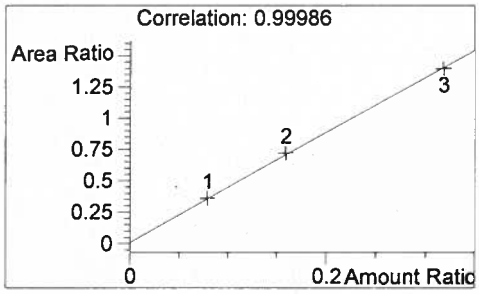
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 9:41:52 AM
Instrument 1
DB-ALC1

BLANK-SS
Sarah Swenson

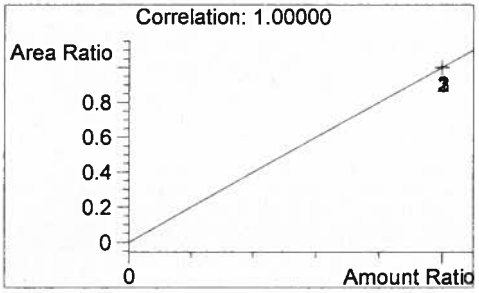
vial # 1



#	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

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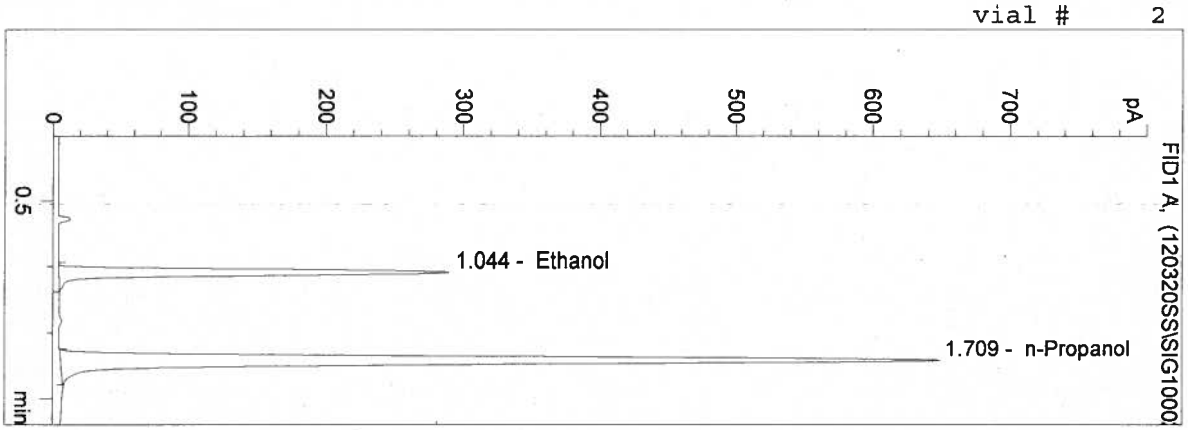
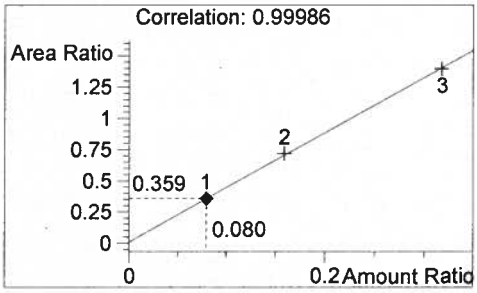
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 9:44:57 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

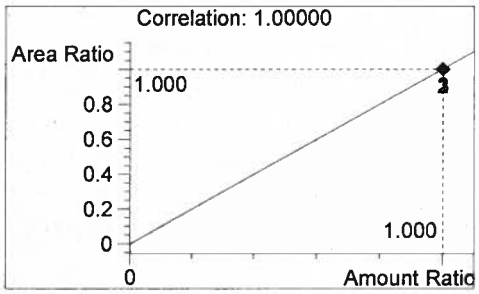
vial # 2



#	Compound	Area	RT
1	Ethanol	919	1.044
2	n-Propanol	2561	1.709
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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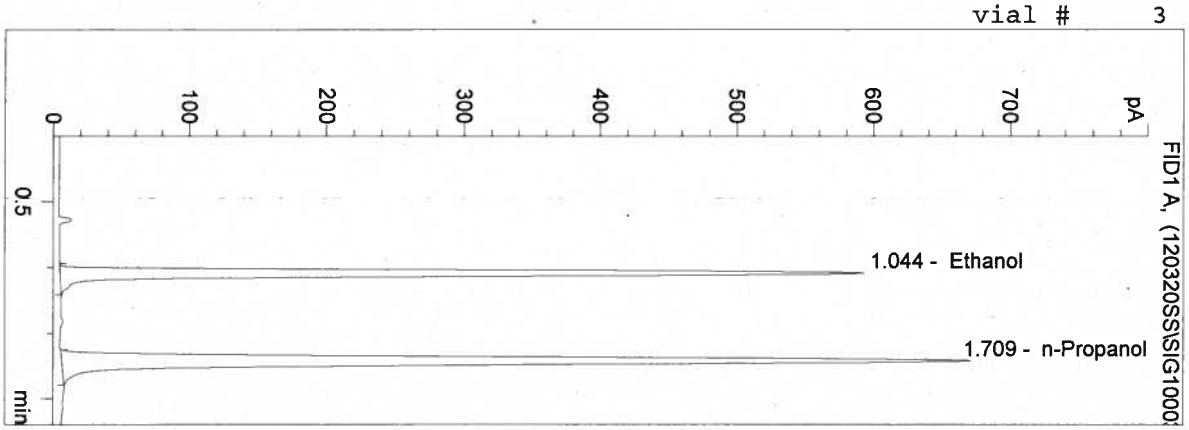
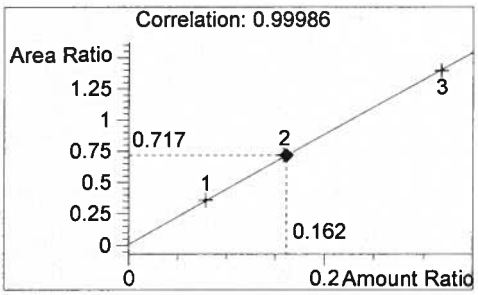
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 9:48:02 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

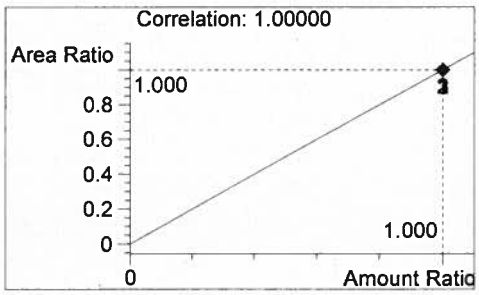
vial # 3



#	Compound	Area	RT
1	Ethanol	1904	1.044
2	n-Propanol	2655	1.709
Tot			



Ethanol 0.162 g/100 mL



n-Propanol 1.000 g/100 mL

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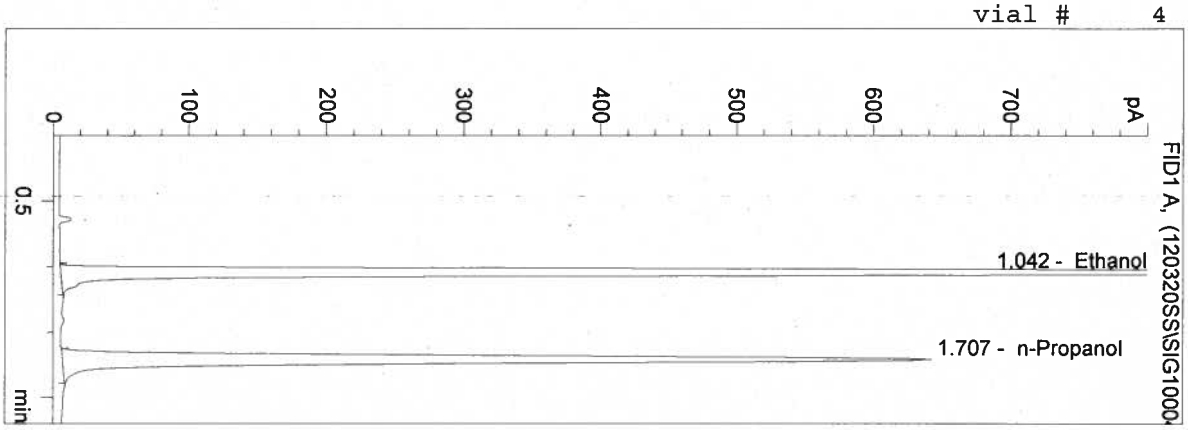
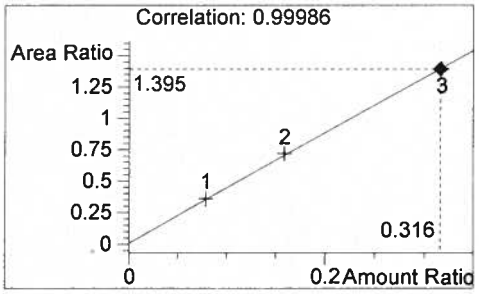
3/20/2012 9:51:06 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

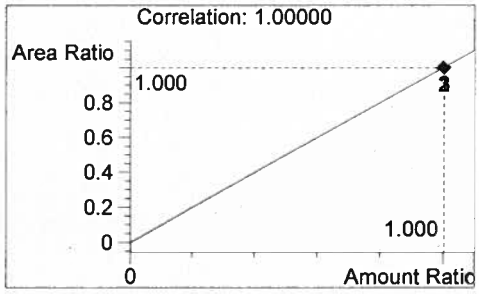
vial # 4



#	Compound	Area	RT
1	Ethanol	3529	1.042
2	n-Propanol	2529	1.707
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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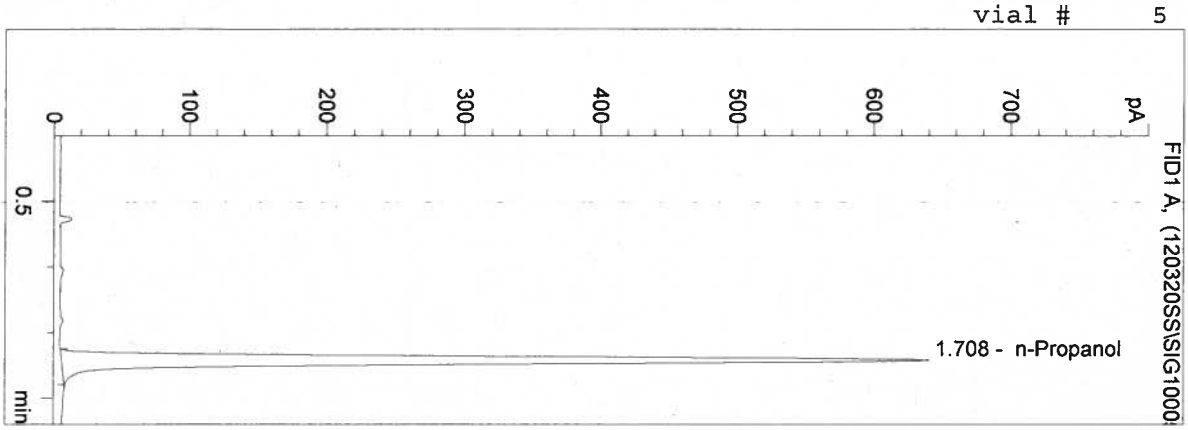
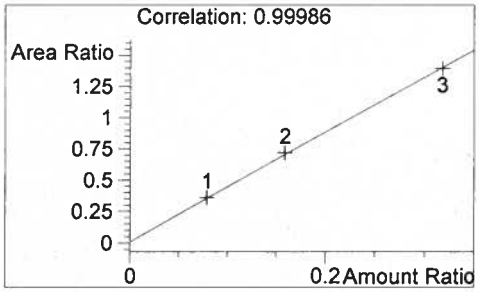
3/20/2012 9:54:11 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

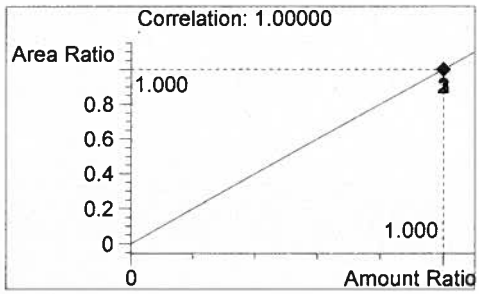
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2528	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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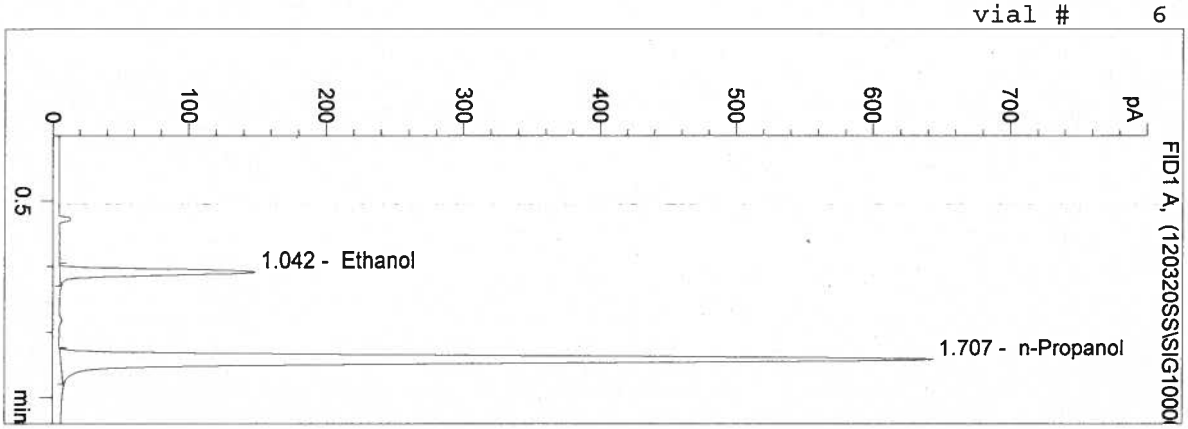
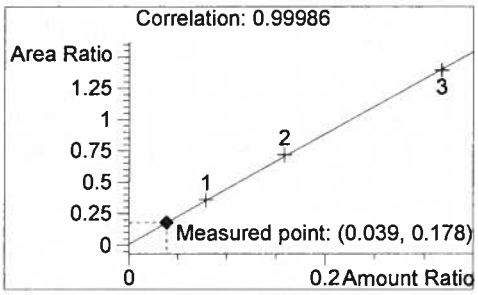
3/20/2012 9:57:16 AM
Instrument 1
DB-ALC1

0.04 CTRL-SS
Sarah Swenson

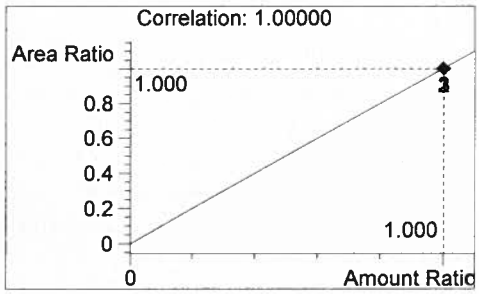
vial # 6



#	Compound	Area	RT
1	Ethanol	453	1.042
2	n-Propanol	2543	1.707
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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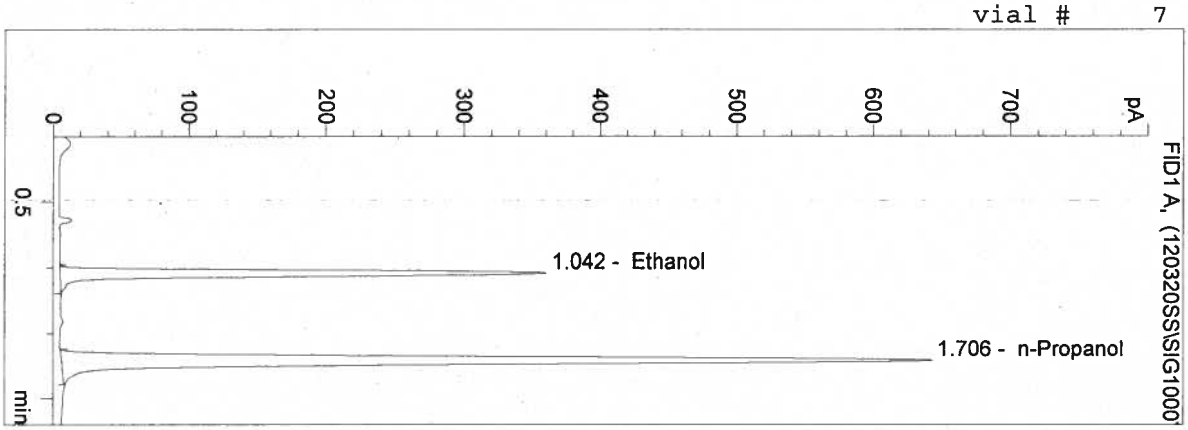
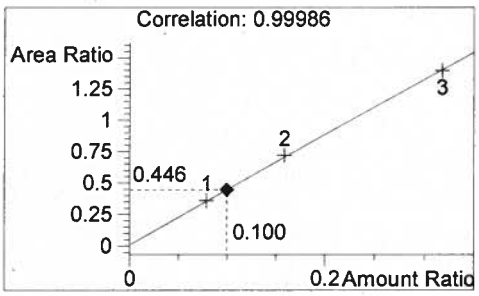
3/20/2012 10:00:21 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

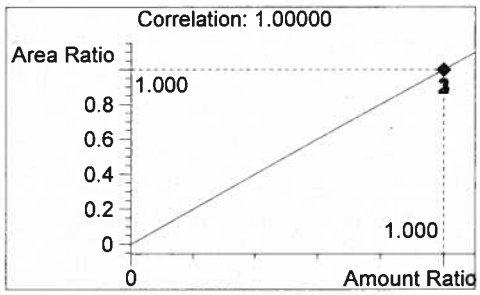
vial # 7



#	Compound	Area	RT
1	Ethanol	1131	1.042
2	n-Propanol	2535	1.706
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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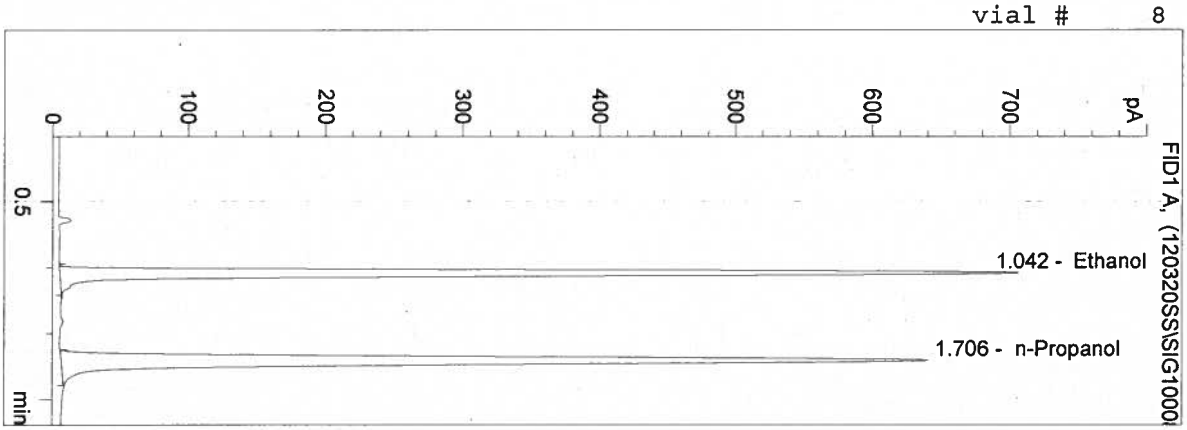
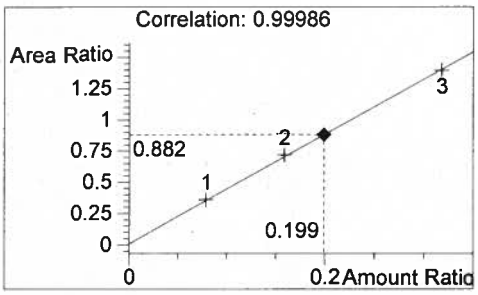
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 10:03:25 AM
Instrument 1
DB-ALC1

0.20 CTRL-SS
Sarah Swenson

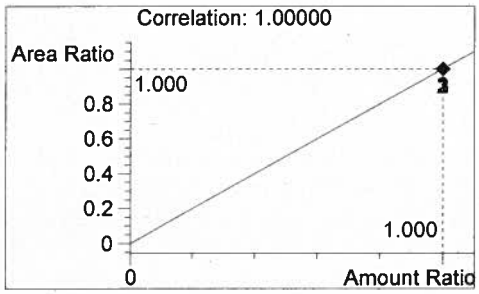
vial # 8



#	Compound	Area	RT
1	Ethanol	2235	1.042
2	n-Propanol	2534	1.706
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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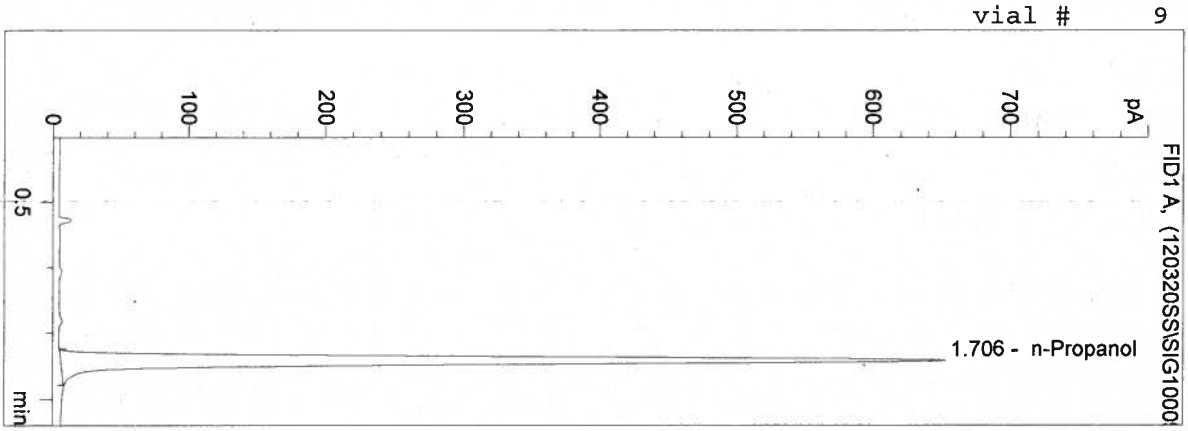
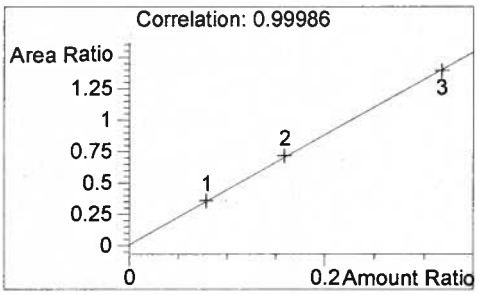
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 10:06:30 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

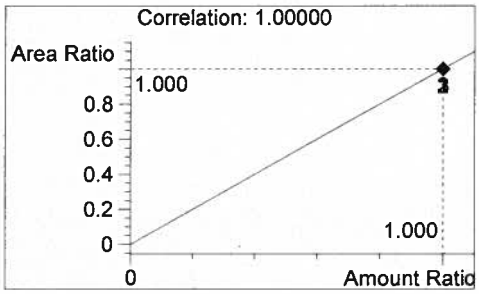
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2573	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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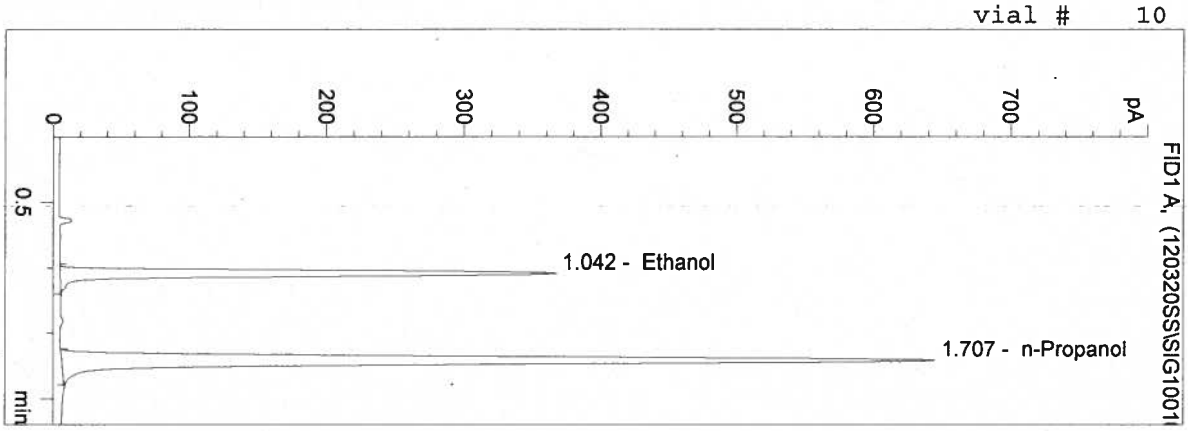
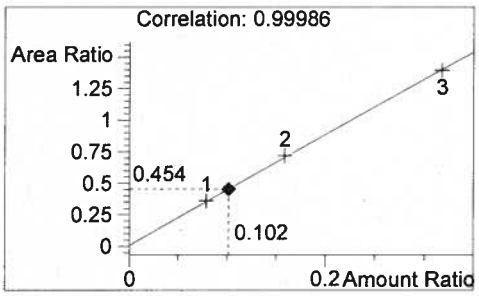
3/20/2012 10:09:35 AM
Instrument 1
DB-ALC1

12013 #1
Sarah Swenson

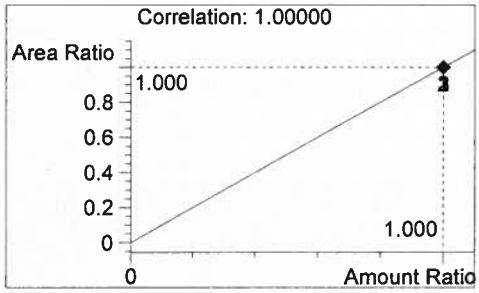
vial # 10



#	Compound	Area	RT
1	Ethanol	1156	1.042
2	n-Propanol	2544	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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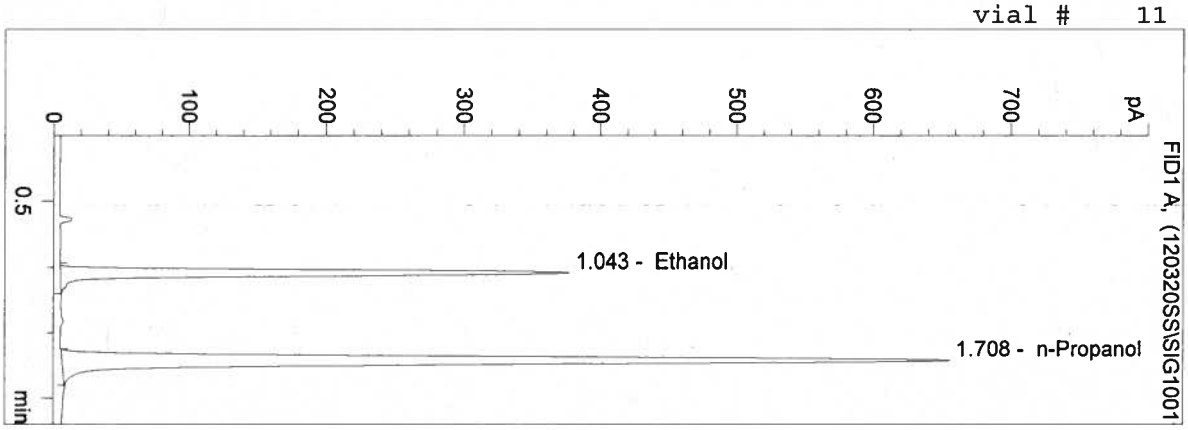
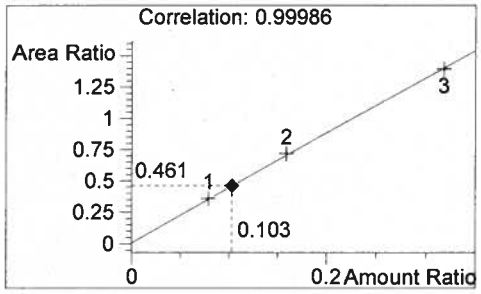
Instrument 1
DB-ALC1

12013 #2
Sarah Swenson

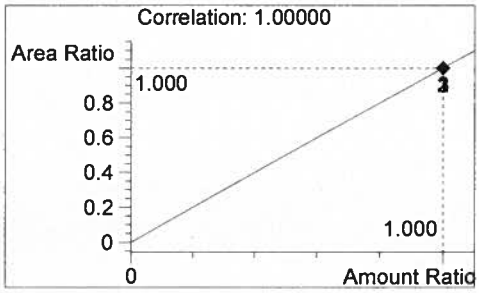
vial # 11



#	Compound	Area	RT
1	Ethanol	1196	1.043
2	n-Propanol	2595	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

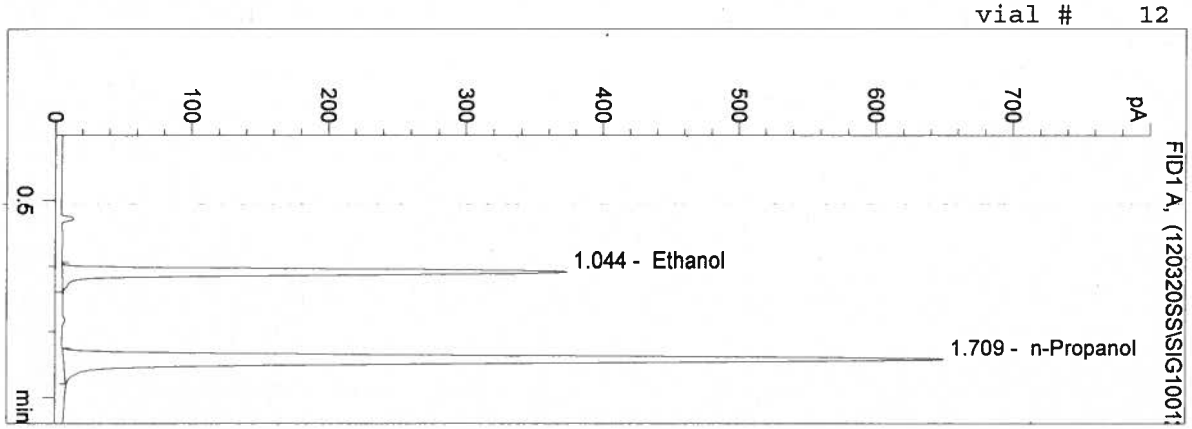
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

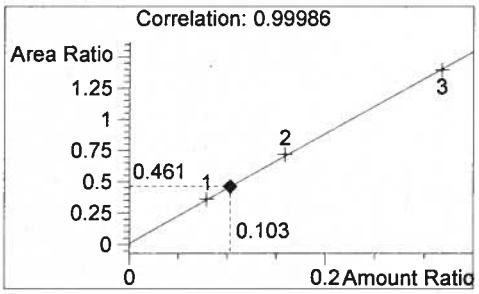
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 10:15:44 AM
Instrument 1
DB-ALC1

12013 #3
Sarah Swenson

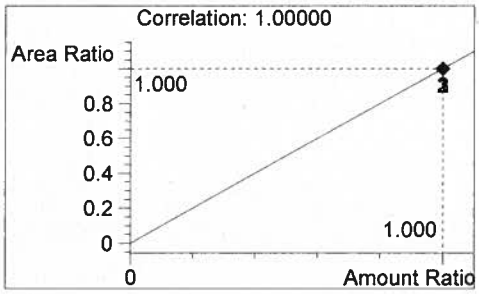
vial # 12



#	Compound	Area	RT
1	Ethanol	1185	1.044
2	n-Propanol	2568	1.709
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

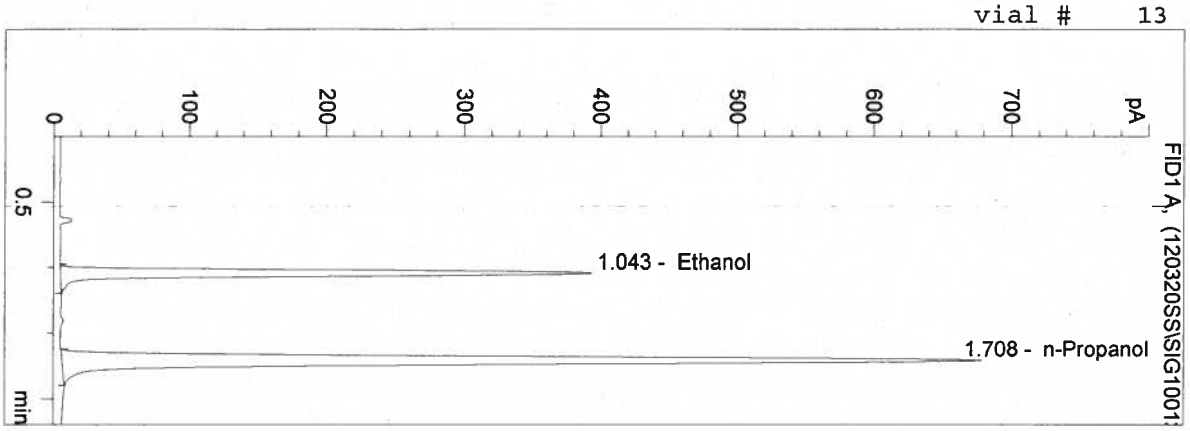
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

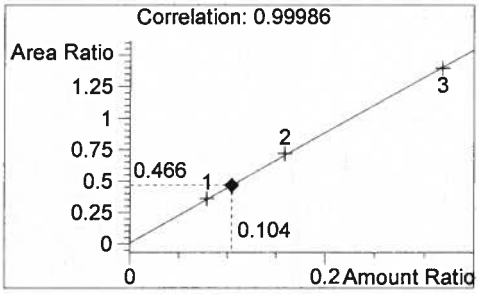
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 10:18:48 AM
Instrument 1
DB-ALC1

12013 #4
Sarah Swenson

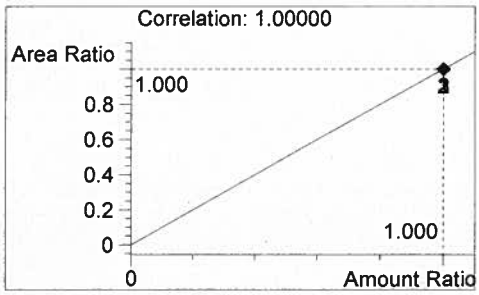
vial # 13



#	Compound	Area	RT
1	Ethanol	1249	1.043
2	n-Propanol	2680	1.708
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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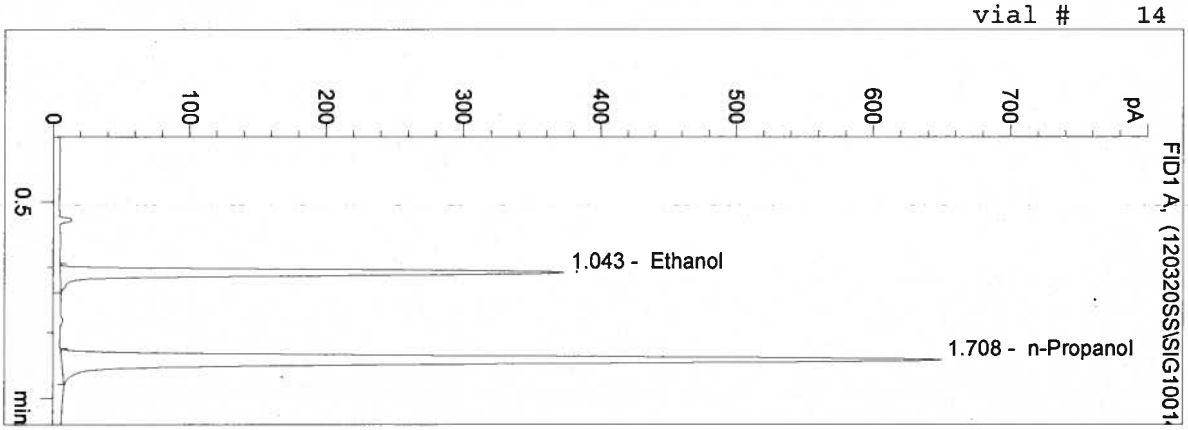
WASHINGTON STATE TOXICOLOGY LABORATORY

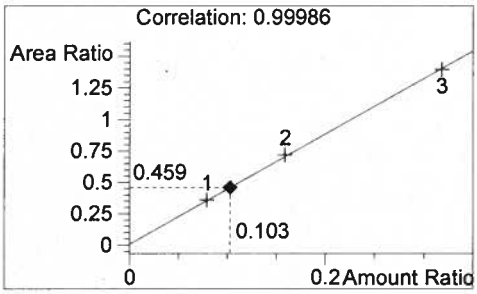
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 10:21:53 AM
Instrument 1
DB-ALC1

12013 #5
Sarah Swenson

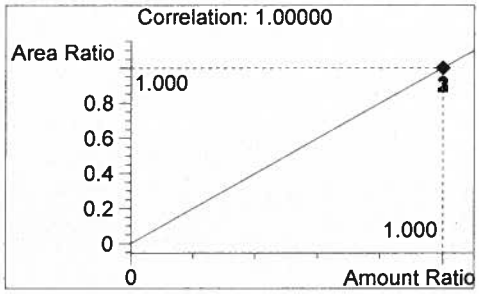
vial # 14



#	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

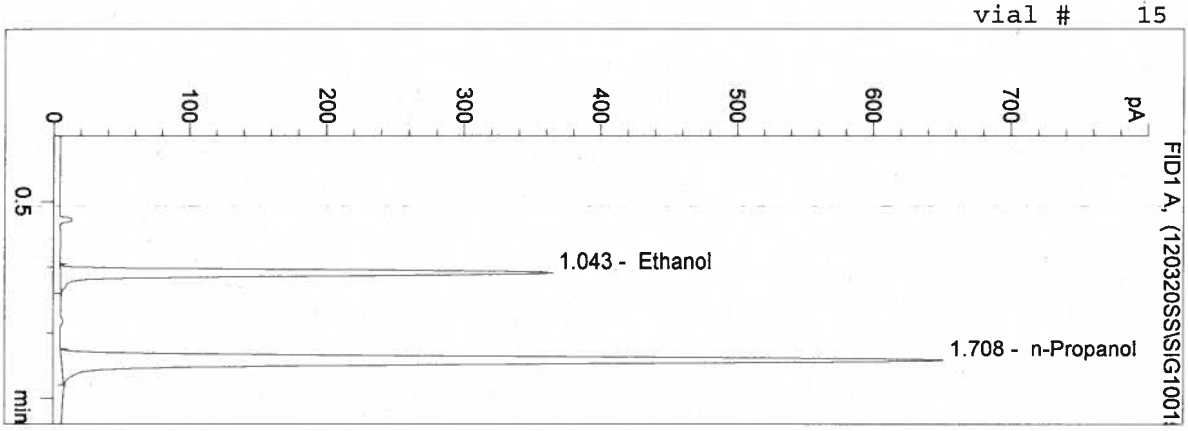
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

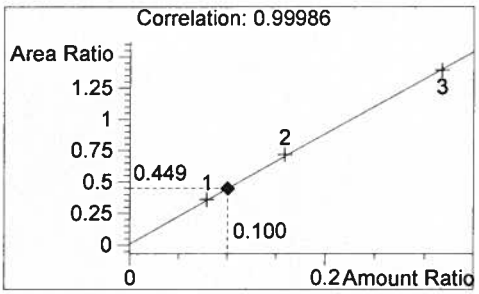
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 10:24:58 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

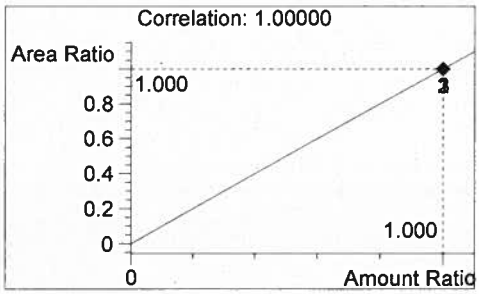
vial # 15



#	Compound	Area	RT
1	Ethanol	1155	1.043
2	n-Propanol	2575	1.708
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

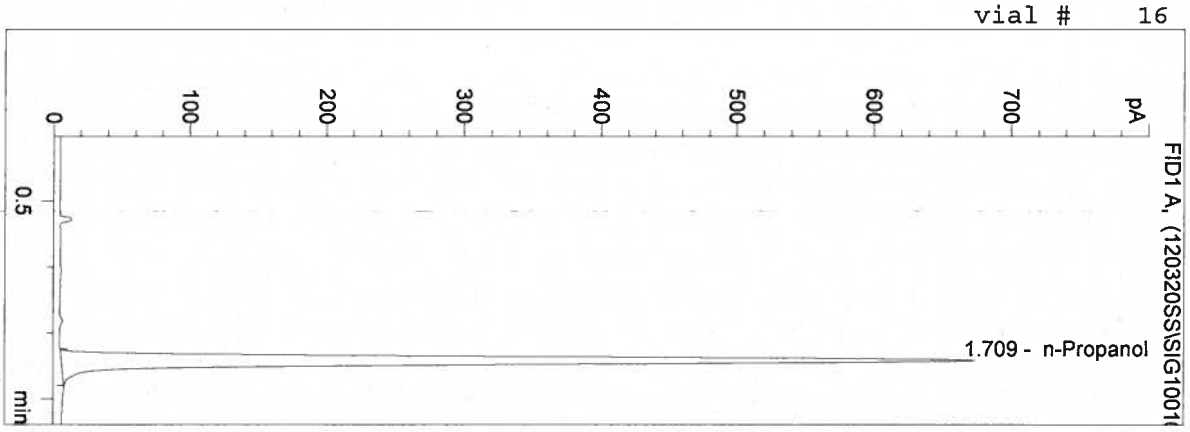
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

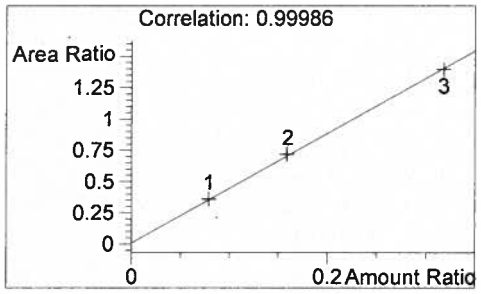
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 10:28:03 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

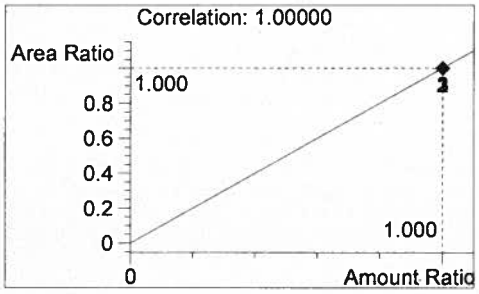
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2660	1.709
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

12013

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:	120320BP
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	E0112-01
3	Vial 3	E0112-02
4	Vial 4	E0112-03
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	

12013 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	12013 #1	SIMALC1	1	Sample		
11	Vial 11	12013 #2	SIMALC1	1	Sample		
12	Vial 12	12013 #3	SIMALC1	1	Sample		
13	Vial 13	12013 #4	SIMALC1	1	Sample		
14	Vial 14	12013 #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!

12013 BP

Calibration Table

Calib. Data Modified : Tuesday, March 20, 2012 12:15:29 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
1.043	1	1	7.90200e-2	884.86395	8.93019e-5		1	Ethanol
		2	1.58720e-1	1795.31494	8.84079e-5			
		3	3.17800e-1	3785.88110	8.39435e-5			
1.708	1	1	1.00000	2494.62256	4.00862e-4	I1		n-Propanol
		2	1.00000	2519.66406	3.96878e-4			
		3	1.00000	2654.40405	3.76732e-4			

Peak Sum Table

No Entries in table

12013

BP

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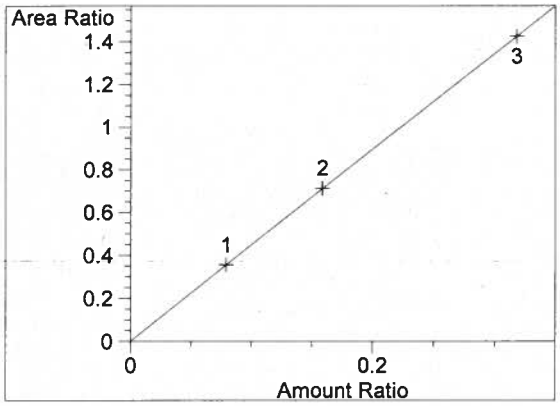
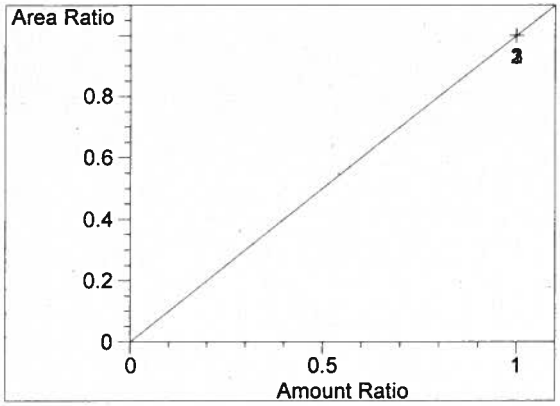
Calibration Curves

==========



Ethanol at exp. RT: 1.043
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00011
Formula: y = mx + b
m: 4.48792
b: 6.84696e-5
x: Amount Ratio
y: Area Ratio



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

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12013

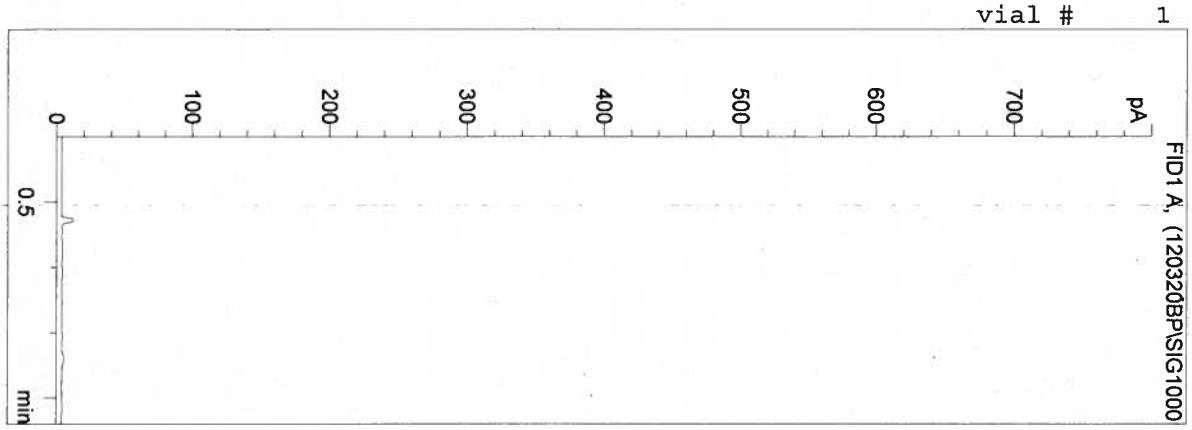
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

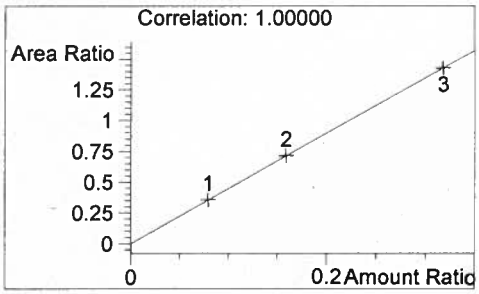
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:04:02 PM
Instrument 1
DB-ALC1

blank
Brianna Peterson

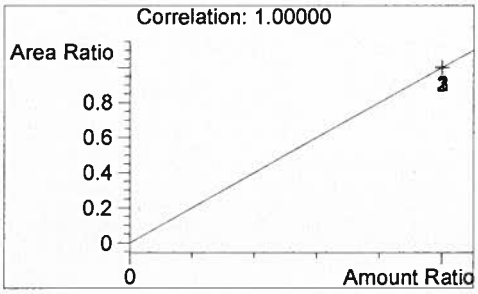
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12013

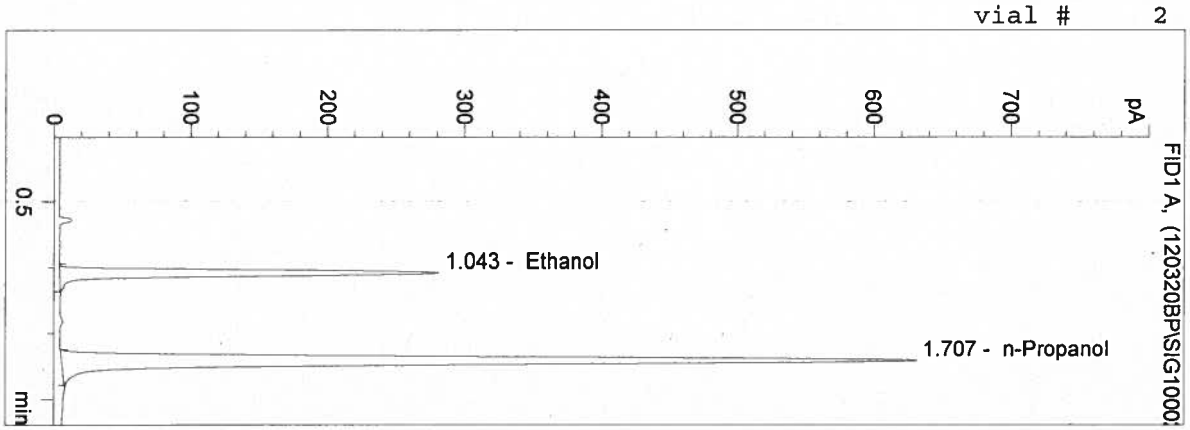
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

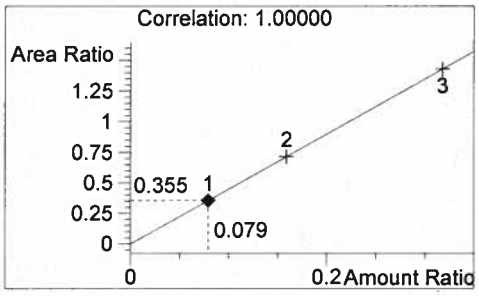
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:07:06 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

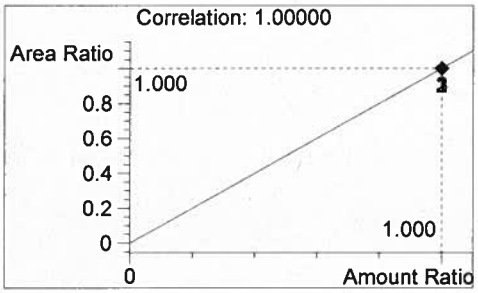
vial # 2



#	Compound	Area	RT
1	Ethanol	885	1.043
2	n-Propanol	2495	1.707
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12013

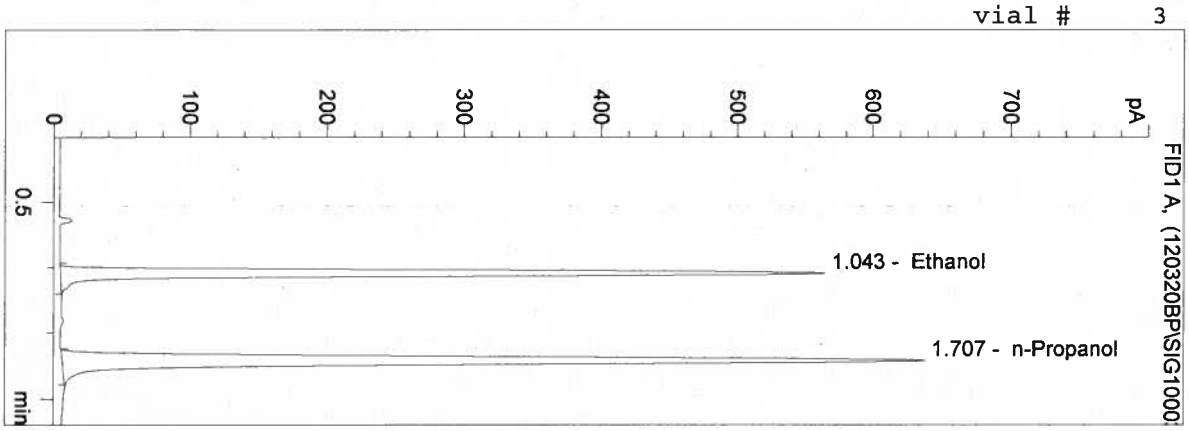
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

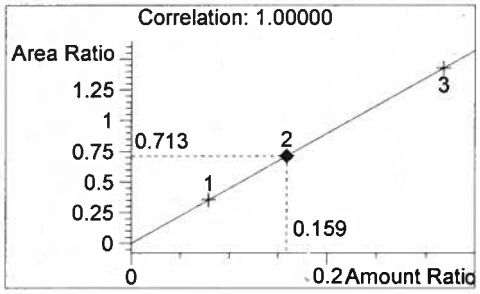
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:10:11 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

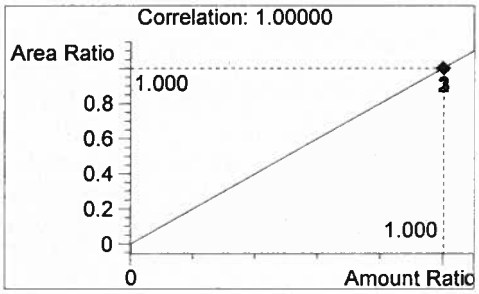
vial # 3



#	Compound	Area	RT
1	Ethanol	1795	1.043
2	n-Propanol	2520	1.707
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

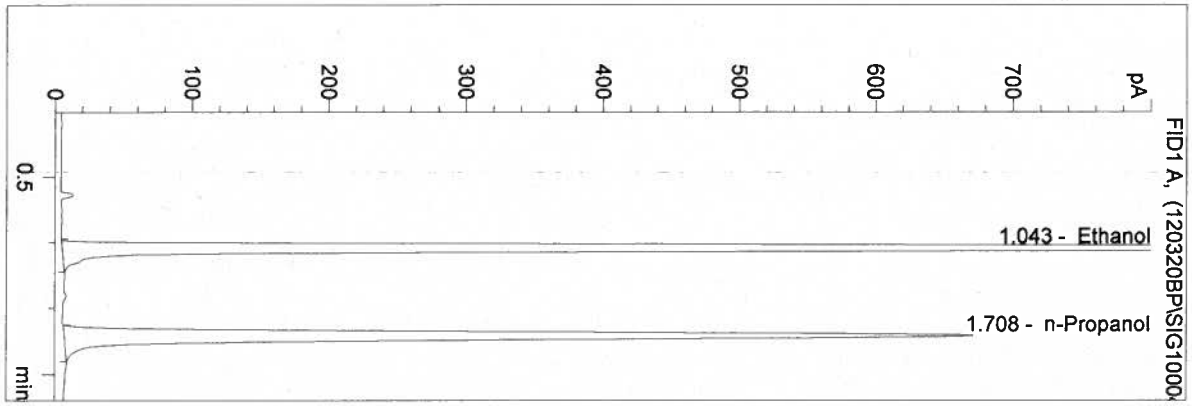
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

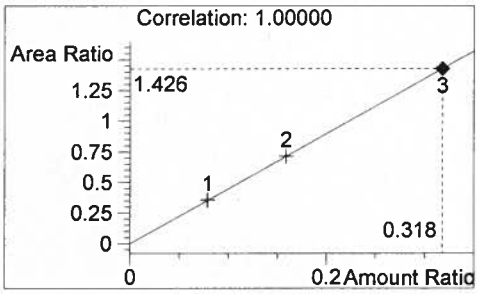
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:13:16 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

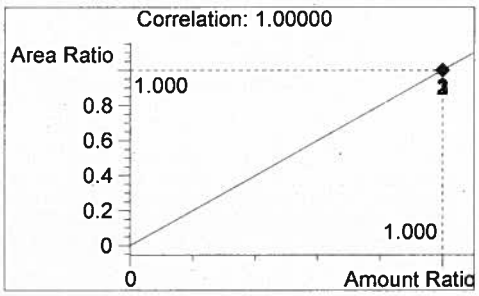
vial # 4



#	Compound	Area	RT
1	Ethanol	3786	1.043
2	n-Propanol	2654	1.708
Tot			



Ethanol 0.318 g/100 mL



n-Propanol 1.000 g/100 mL

2013

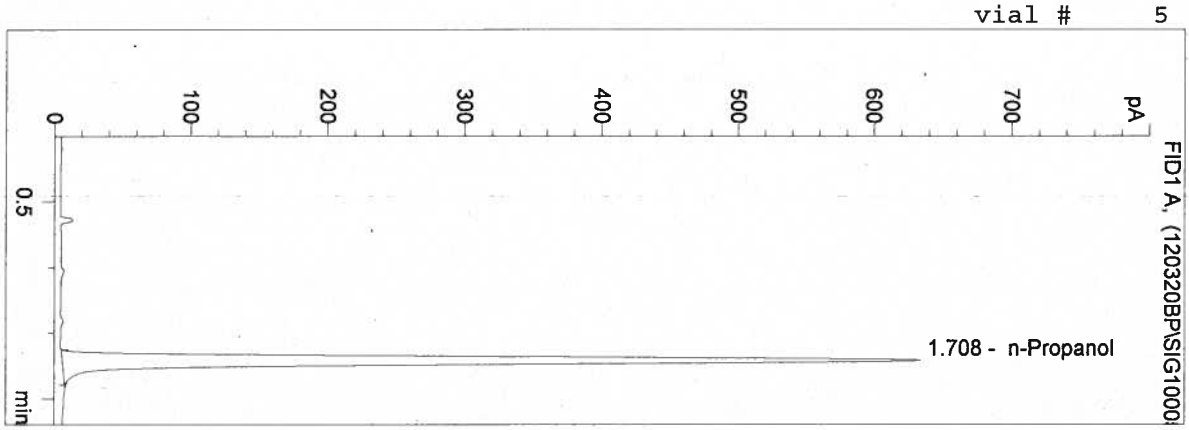
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

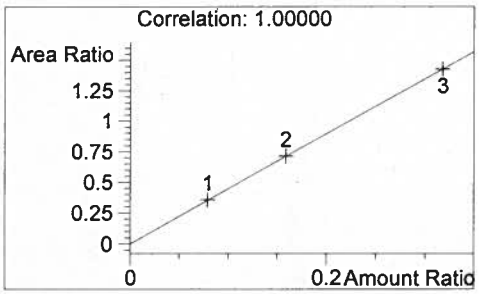
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:16:21 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

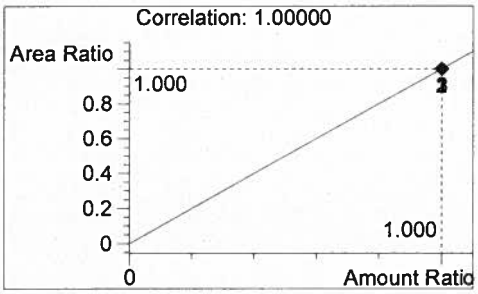
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2511	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

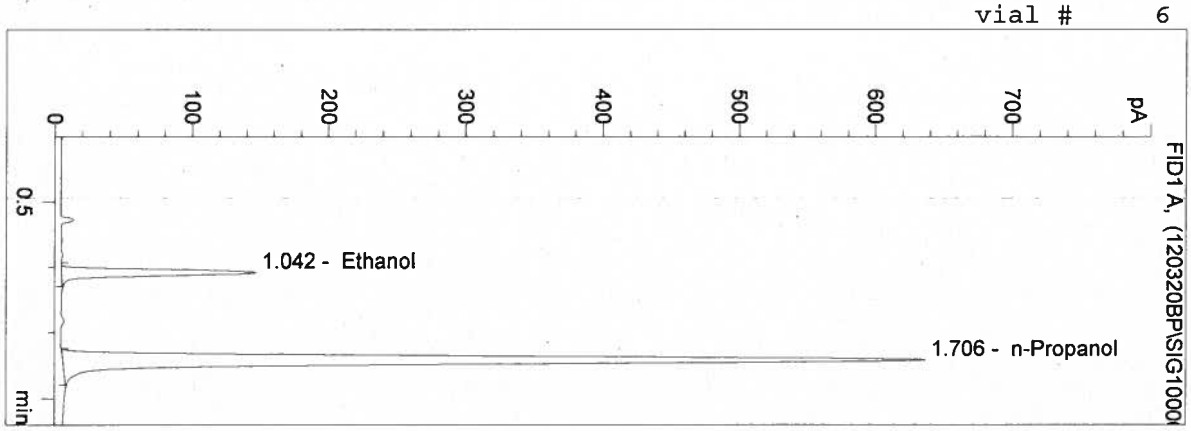
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

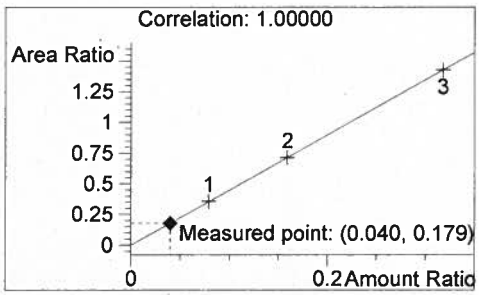
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:19:26 PM
Instrument 1
DB-ALC1

0.04 CTRL - BP
Brianna Peterson

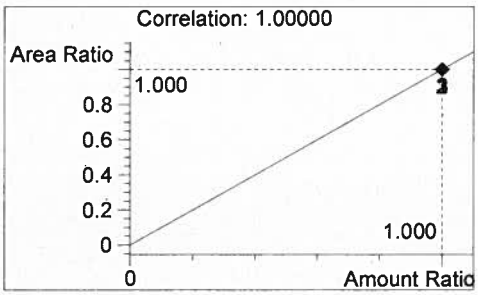
vial # 6



#	Compound	Area	RT
1	Ethanol	449	1.042
2	n-Propanol	2516	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

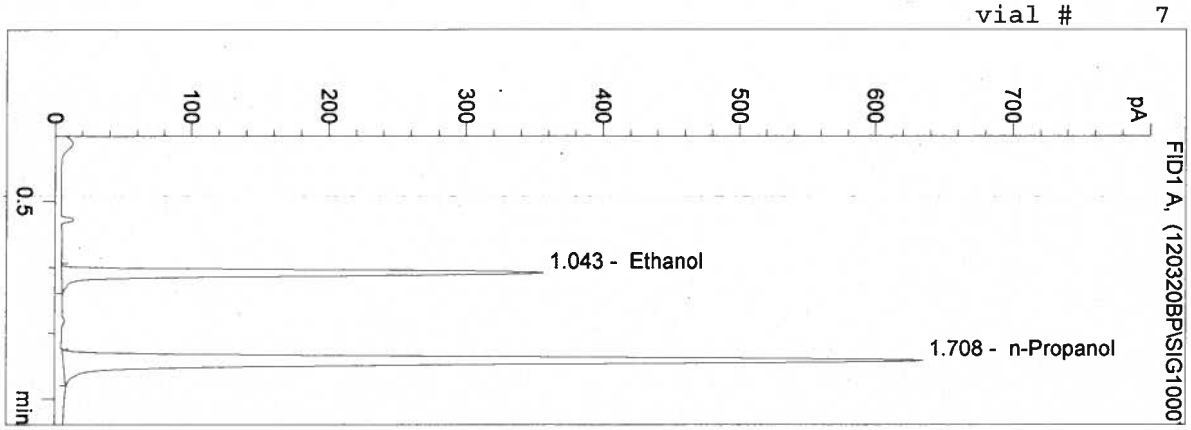
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

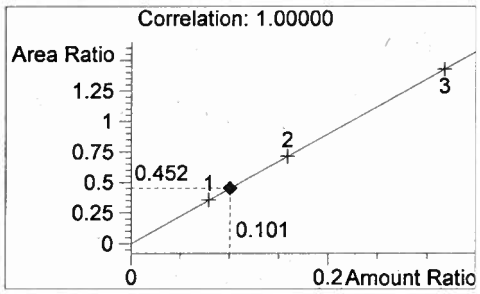
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:22:30 PM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

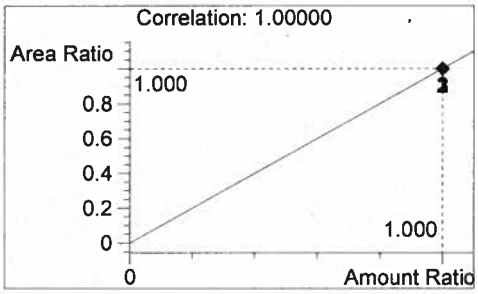
vial # 7



#	Compound	Area	RT
1	Ethanol	1133	1.043
2	n-Propanol	2507	1.708
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

BP

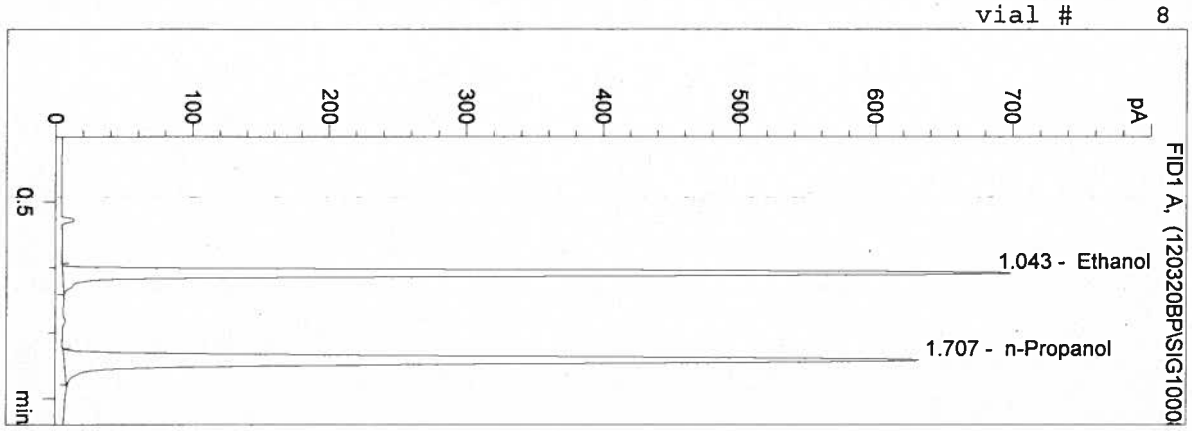
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

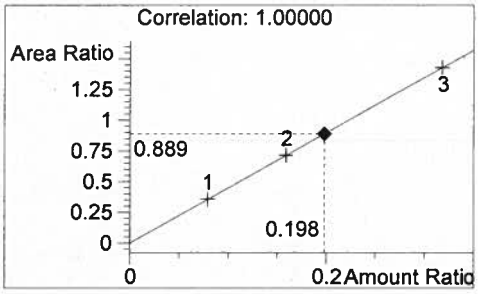
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:25:35 PM
Instrument 1
DB-ALC1

0.20 CTRL - BP
Brianna Peterson

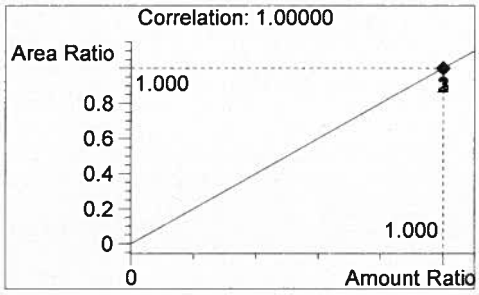
vial # 8



#	Compound	Area	RT
1	Ethanol	2213	1.043
2	n-Propanol	2490	1.707
Tot			



Ethanol 0.198 g/100 mL



n-Propanol 1.000 g/100 mL

12013

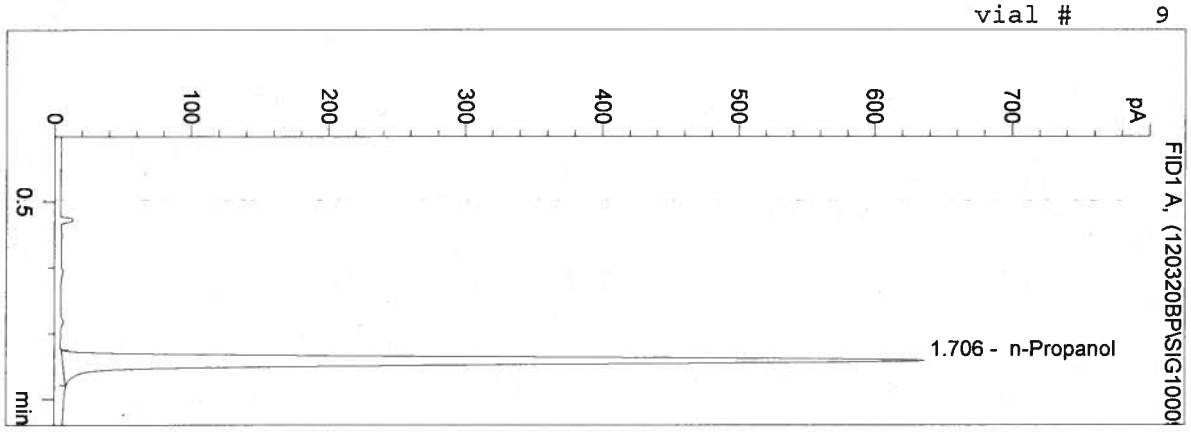
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

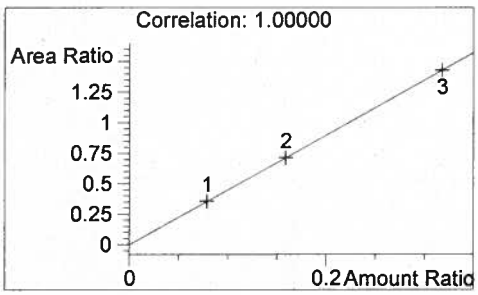
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:28:39 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

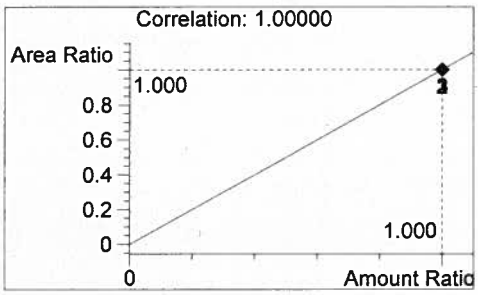
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2508	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BP

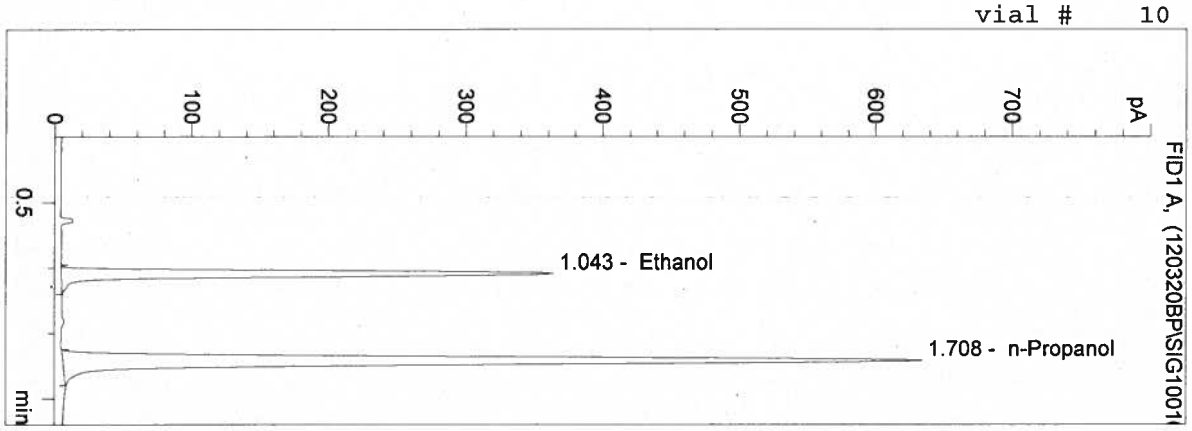
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

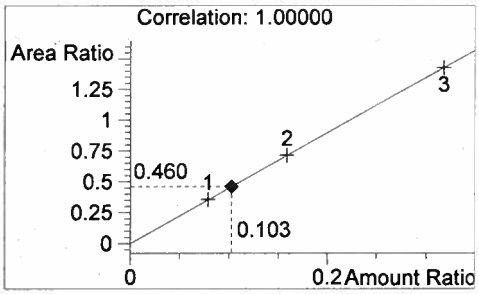
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:31:44 PM
Instrument 1
DB-ALC1

12013 #1
Brianna Peterson

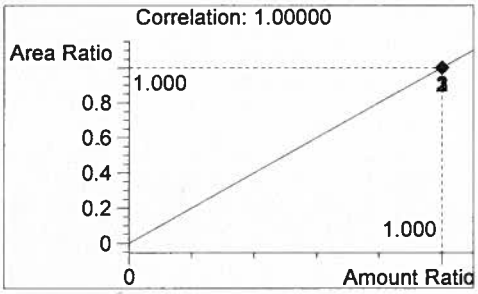
vial # 10



#	Compound	Area	RT
1	Ethanol	1152	1.043
2	n-Propanol	2503	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

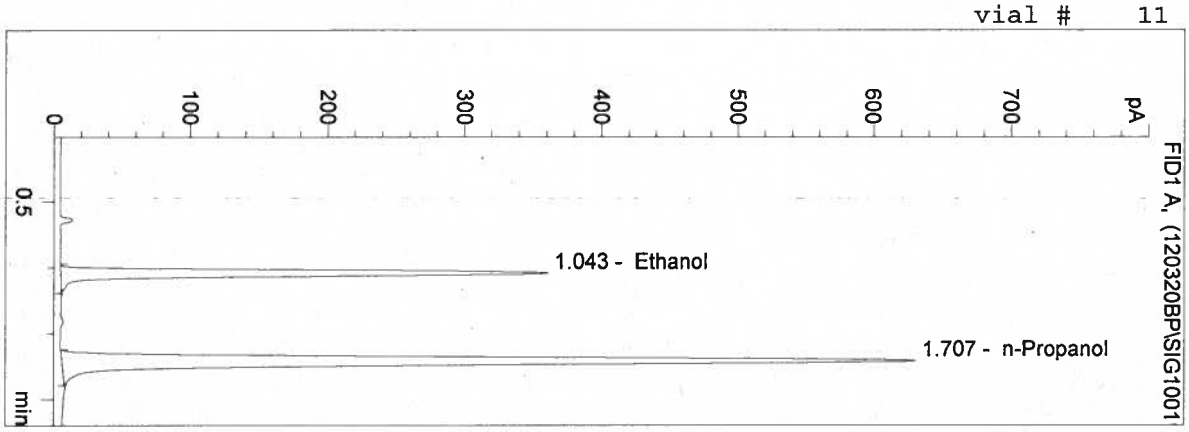
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

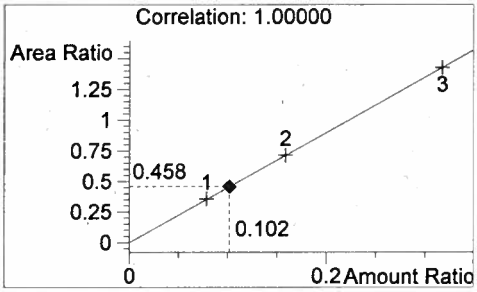
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:34:49 PM
Instrument 1
DB-ALC1

12013 #2
Brianna Peterson

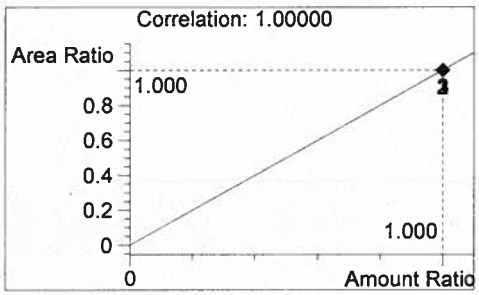
vial # 11



#	Compound	Area	RT
1	Ethanol	1143	1.043
2	n-Propanol	2496	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

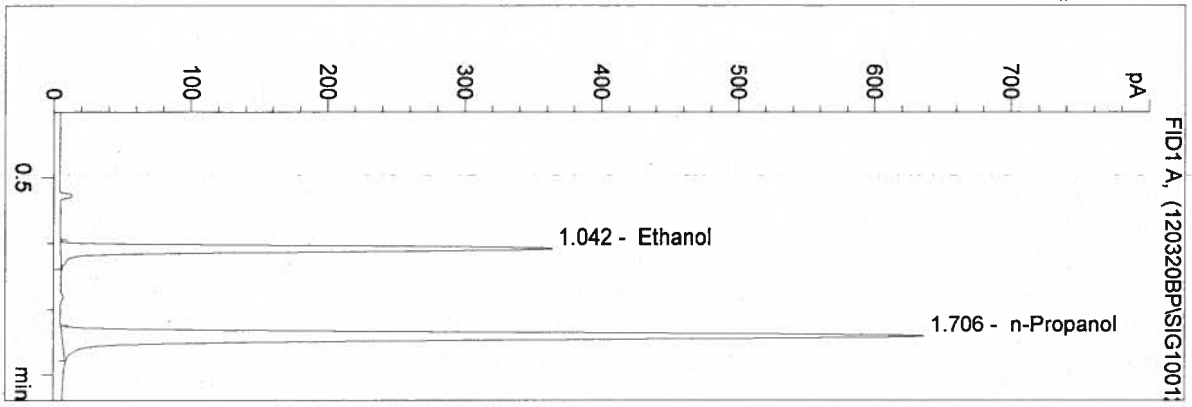
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

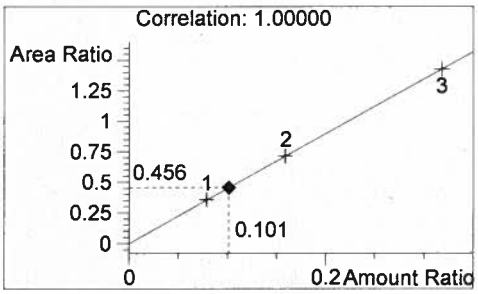
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:37:54 PM
Instrument 1
DB-ALC1

12013 #3
Brianna Peterson

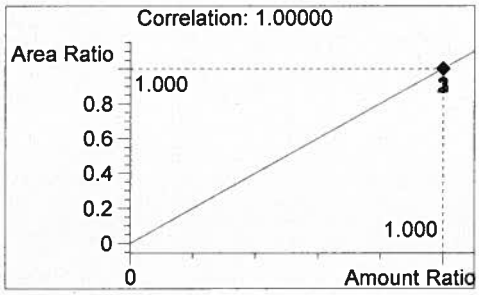
vial # 12



#	Compound	Area	RT
1	Ethanol	1145	1.042
2	n-Propanol	2514	1.706
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

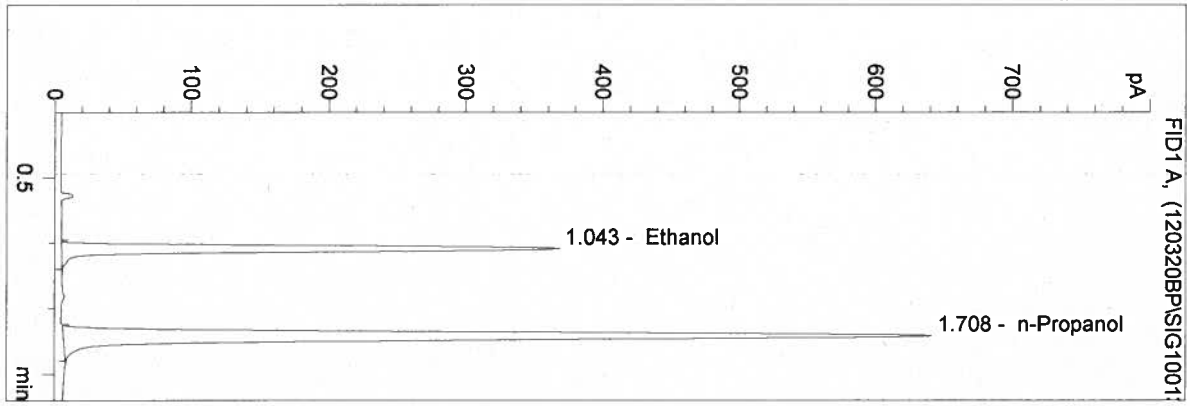
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

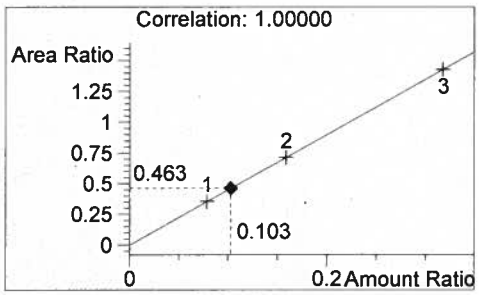
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:40:58 PM
Instrument 1
DB-ALC1

12013 #4
Brianna Peterson

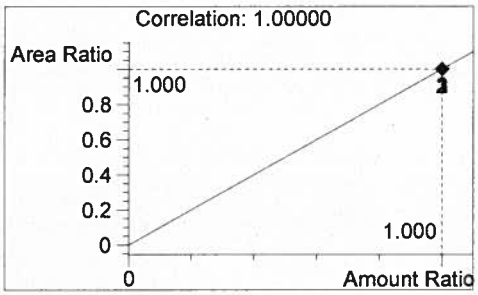
vial # 13



#	Compound	Area	RT
1	Ethanol	1170	1.043
2	n-Propanol	2528	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

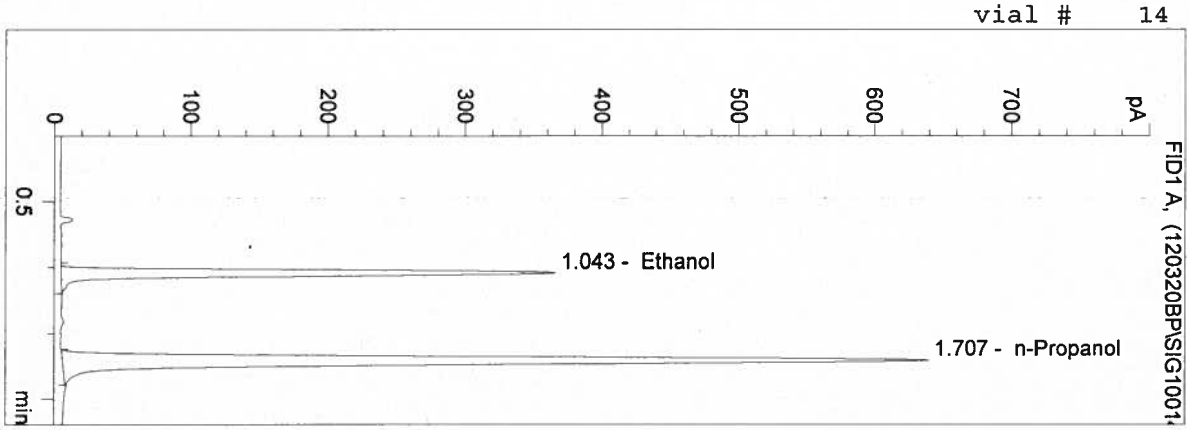
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

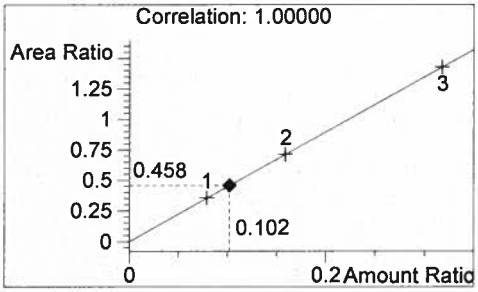
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:44:03 PM
Instrument 1
DB-ALC1

12013 #5
Brianna Peterson

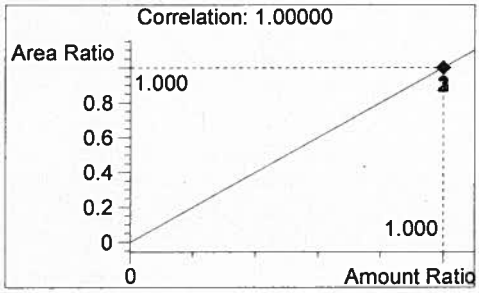
vial # 14



#	Compound	Area	RT
1	Ethanol	1154	1.043
2	n-Propanol	2519	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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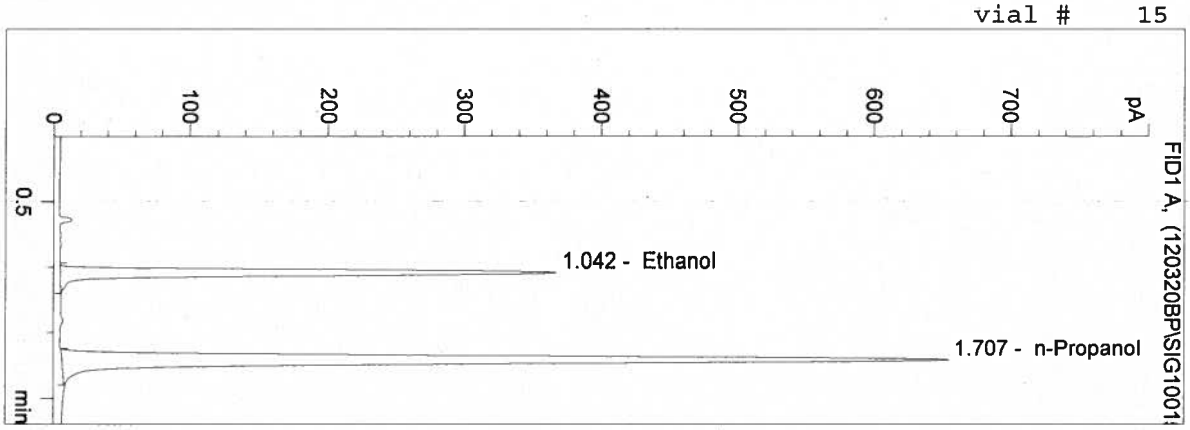
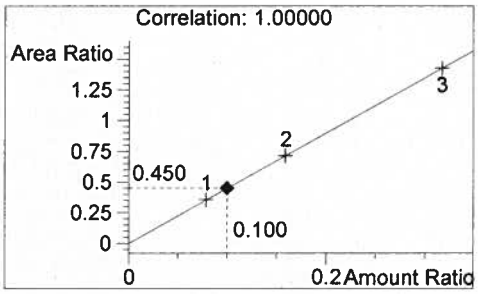
3/20/2012 12:47:08 PM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

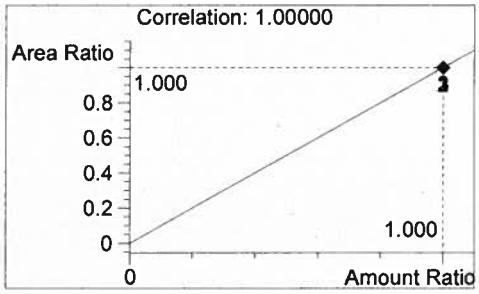
vial # 15



#	Compound	Area	RT
1	Ethanol	1163	1.042
2	n-Propanol	2587	1.707
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

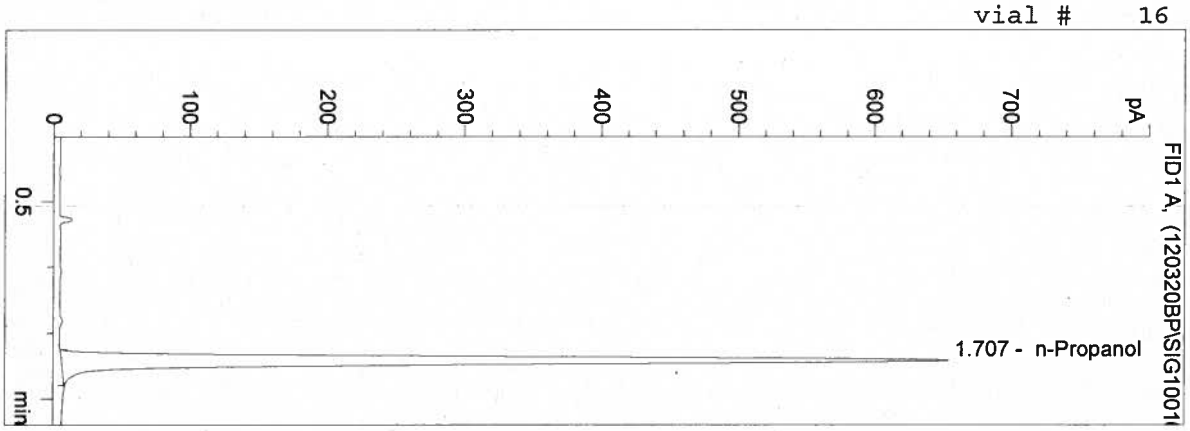
12013 BP

WASHINGTON STATE TOXICOLOGY LABORATORY

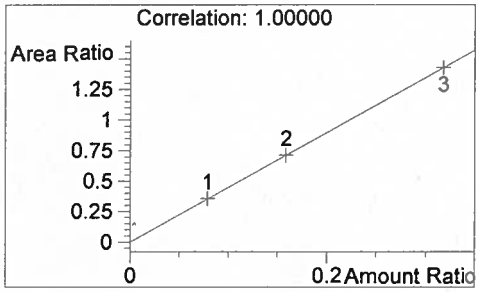
C:\HPCHEM\1\METHODS\SIMALC1.M
3/20/2012 12:50:13 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

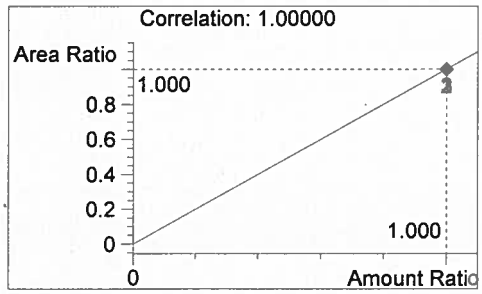
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2586	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

BP

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:	120321A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e0112-01 exp 04/29/2012
cal 2 e0112-02 exp 04/29/2012
cal 3 e0112-03 exp 04/29/2012
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	12013 #1	SIMALC1	1	Sample		
11	Vial 11	12013 #2	SIMALC1	1	Sample		
12	Vial 12	12013 #3	SIMALC1	1	Sample		
13	Vial 13	12013 #4	SIMALC1	1	Sample		
14	Vial 14	12013 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC1	1	Ctrl Samp		

AL
2012 MAR 21

AL
2012 Apr 03

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	

12013

Sequence Table (Back Injector):

No entries - empty table!

AL
2012 MAR 21

AL
2012 APR 03

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Calibration Table

Calib. Data Modified : Wednesday, March 21, 2012 8:07:34 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.90200e-2	897.10284	8.80835e-5	1		Ethanol
		2	1.58720e-1	1782.65552	8.90357e-5			
		3	3.17800e-1	3504.50562	9.06833e-5			
1.706	1	1	1.00000	2519.53076	3.96899e-4	I1		n-Propanol
		2	1.00000	2541.01416	3.93544e-4			
		3	1.00000	2533.39136	3.94728e-4			

Peak Sum Table

No Entries in table

AL
2012 MAR21
AL 2012 APR 03

12013

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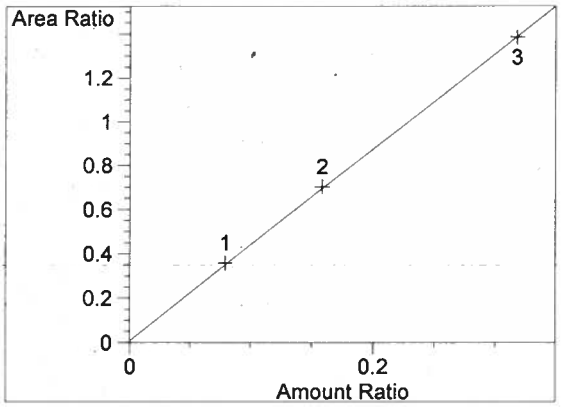
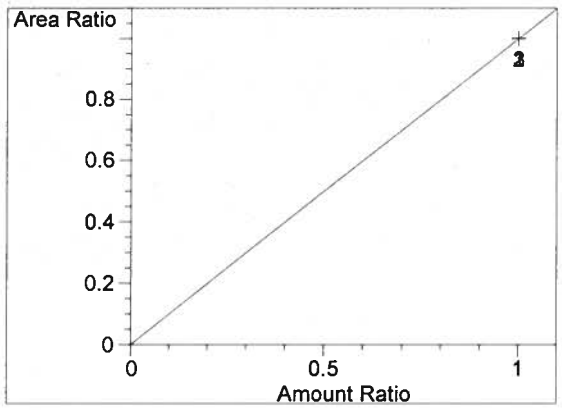
Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00793
Formula: y = mx + b
m: 4.34354
b: 6.98132e-3
x: Amount Ratio
y: Area Ratio



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

==========

2012 MAR 21

12013

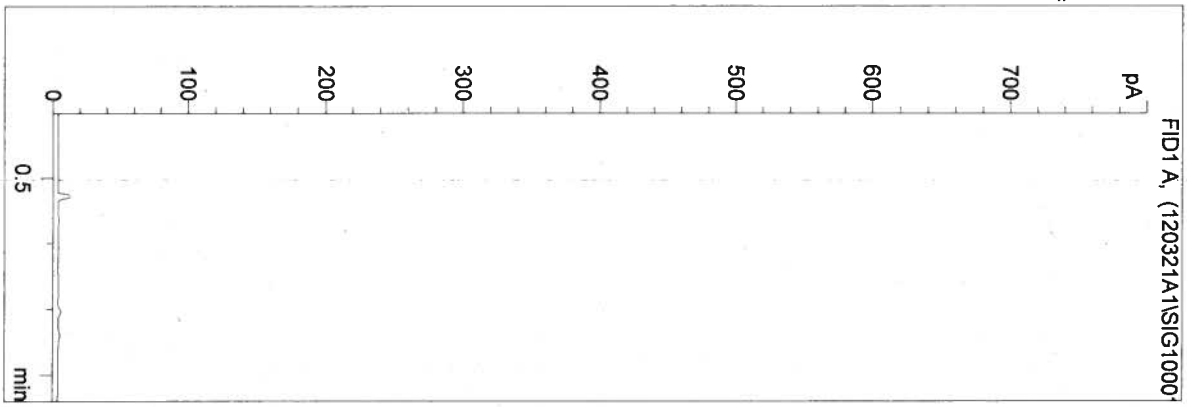
2012 Apr 03

WASHINGTON STATE TOXICOLOGY LABORATORY

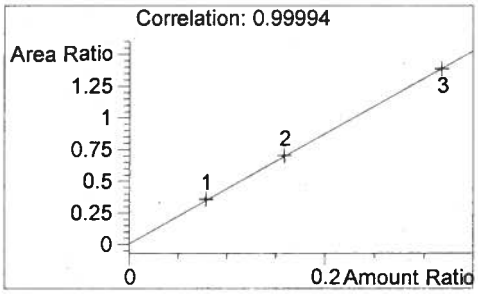
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 7:56:07 AM
Instrument 1
DB-ALC1

blank
asa louis

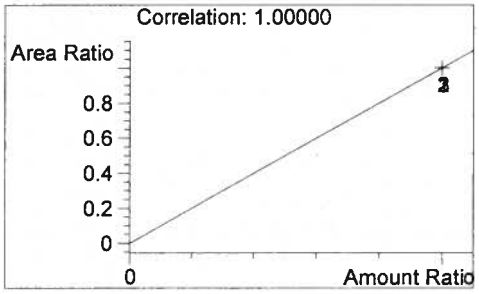
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

AL
2012 MAR 21
AL 2012 Apr 03

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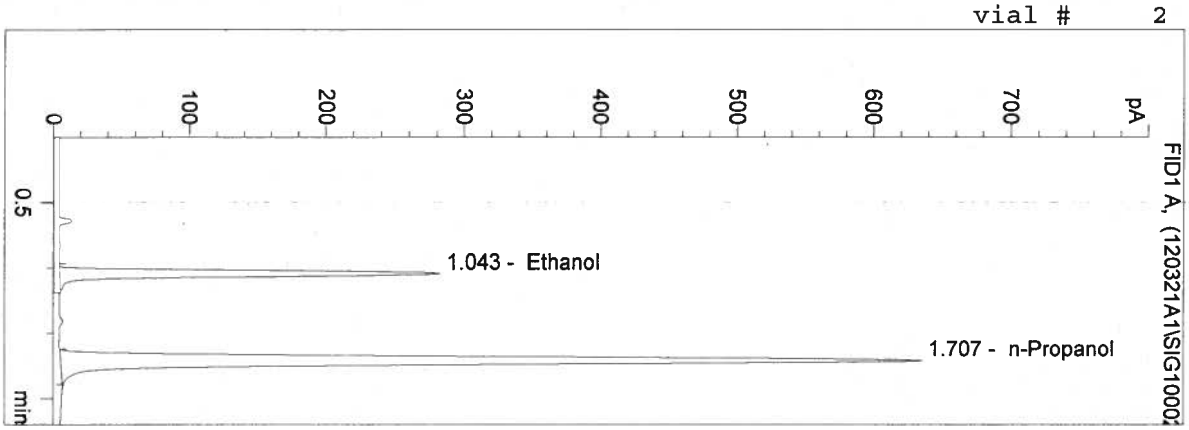
WASHINGTON STATE TOXICOLOGY LABORATORY

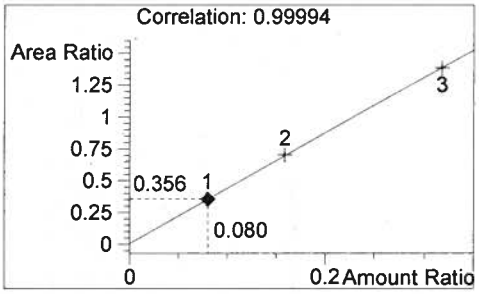
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 7:59:12 AM
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

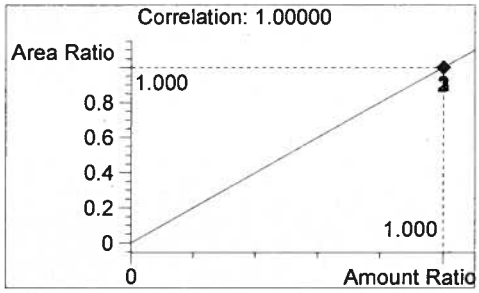
vial # 2



#	Compound	Area	RT
1	Ethanol	897	1.043
2	n-Propanol	2520	1.707
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

AR
2012 MAR 21
AL 2012 Apr 03

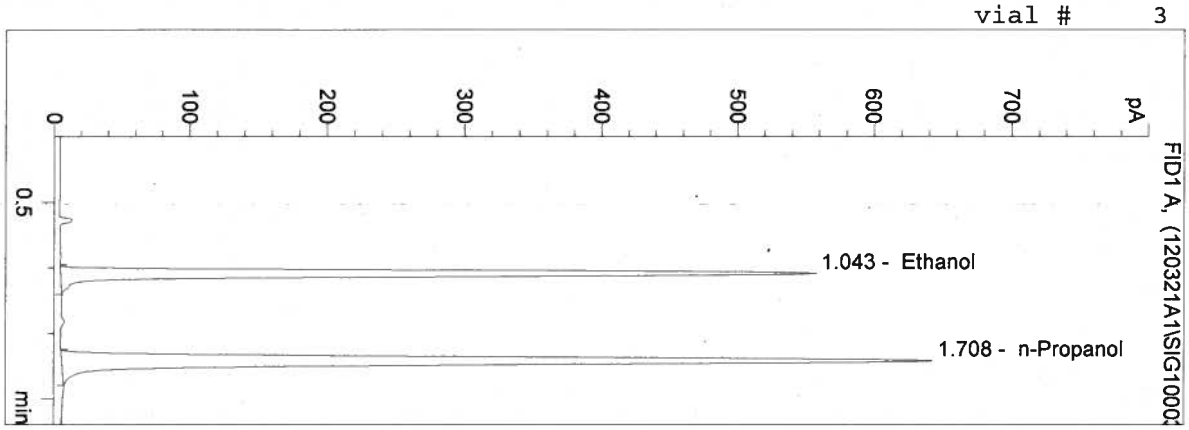
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

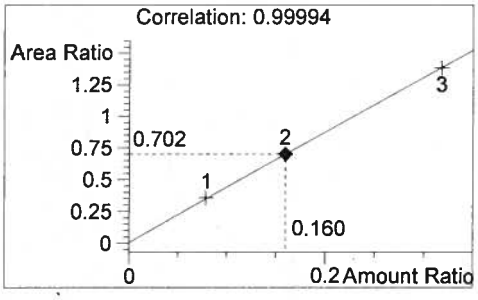
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:02:16 AM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

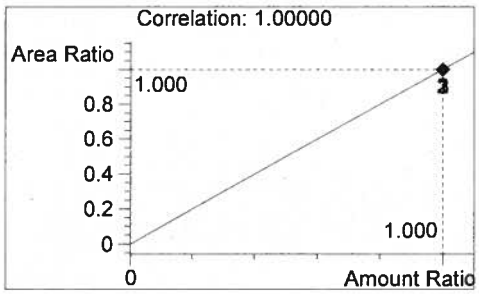
vial # 3



#	Compound	Area	RT
1	Ethanol	1783	1.043
2	n-Propanol	2541	1.708
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

2012 MAR 21
2012 APR 03

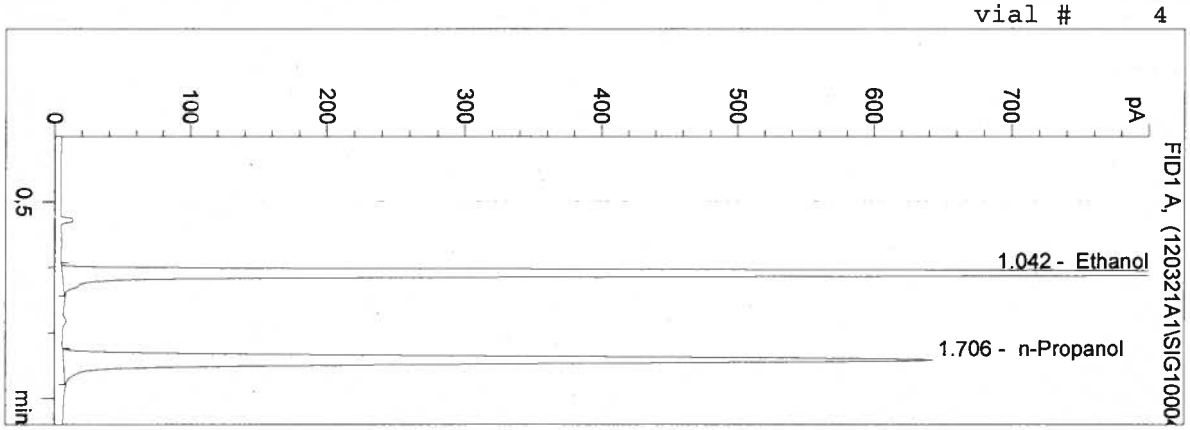
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

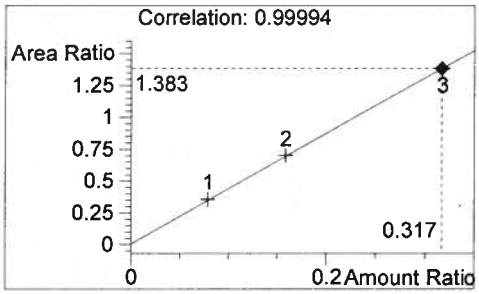
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:05:21 AM
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

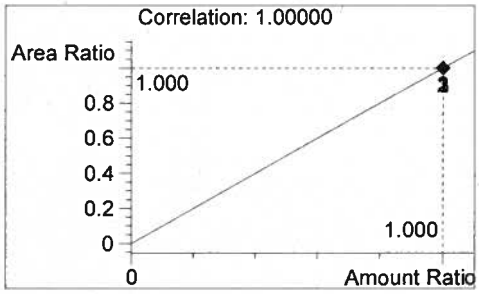
vial # 4



#	Compound	Area	RT
1	Ethanol	3505	1.042
2	n-Propanol	2533	1.706
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

AR
2012 MAR 21
AR 2012 Apr 03

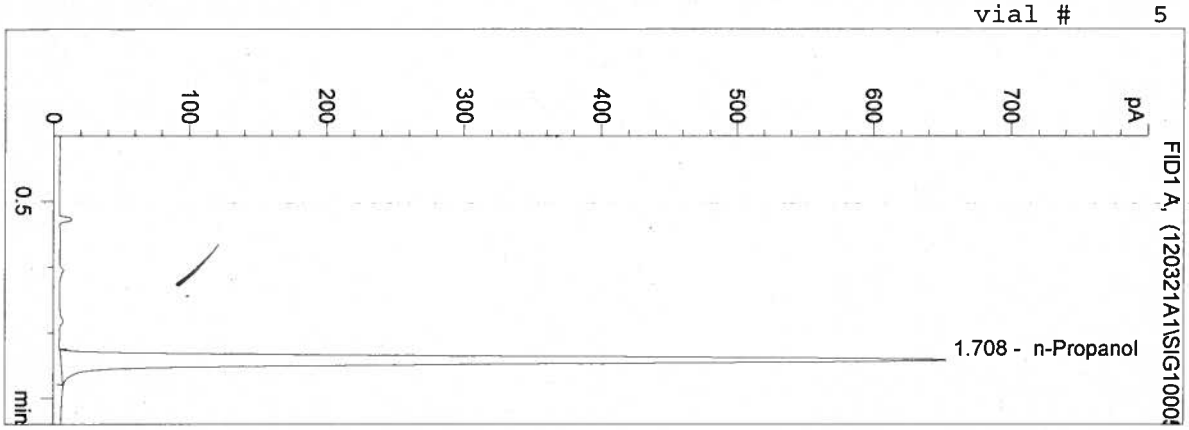
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

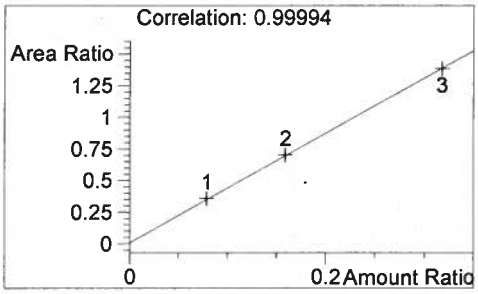
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:08:26 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

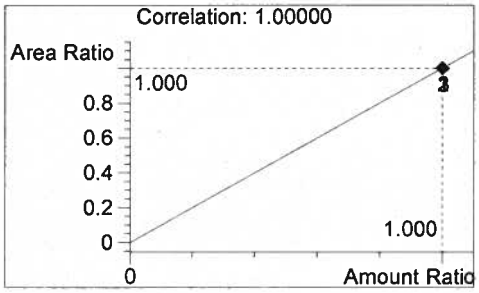
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2587	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 MAR 21
AL 2012 APR 05

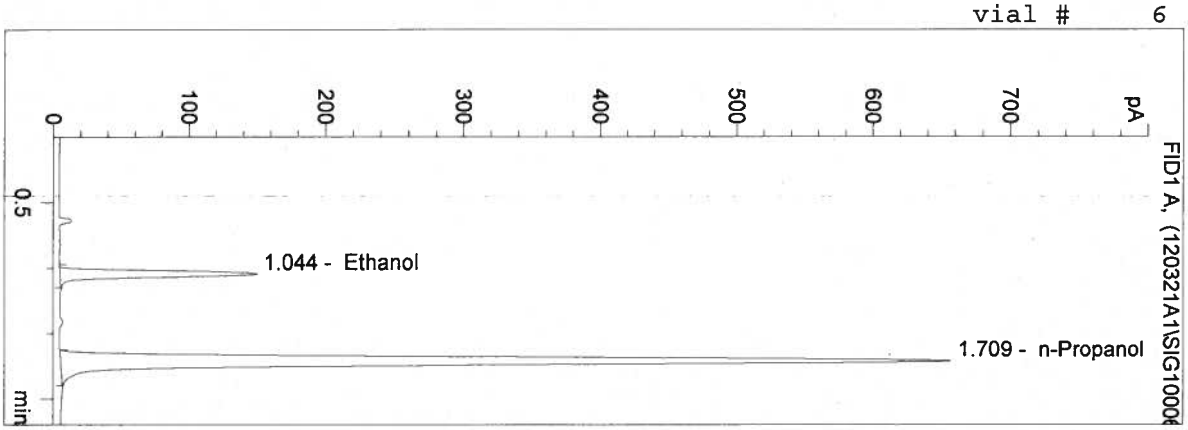
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

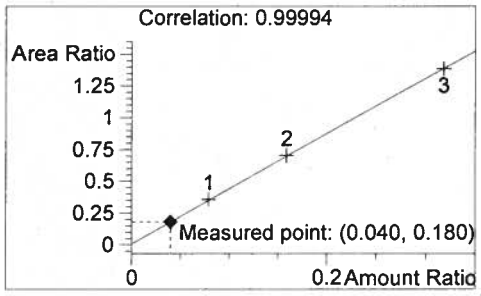
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:11:30 AM
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

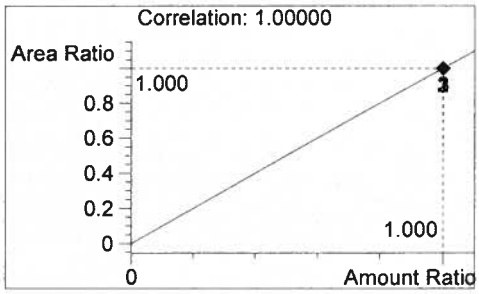
vial # 6



#	Compound	Area	RT
1	Ethanol	469	1.044
2	n-Propanol	2610	1.709
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

2012 MAR 21
2012 Apr 03

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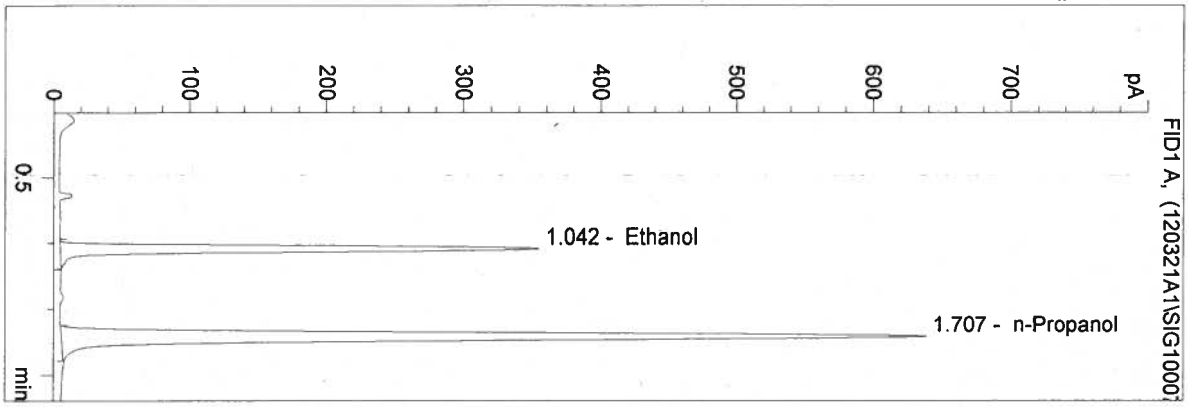
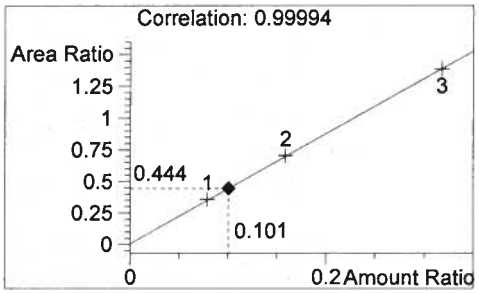
3/21/2012 8:14:35 AM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

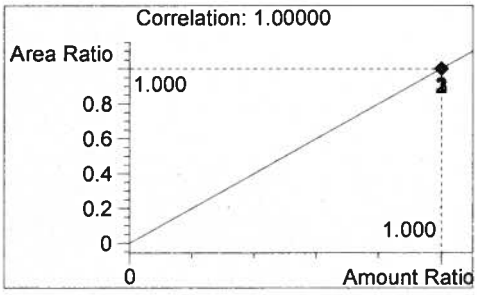
vial # 7



#	Compound	Area	RT
1	Ethanol	1122	1.042
2	n-Propanol	2526	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

AK
2012 MAR 21
AK 2012 APR 03

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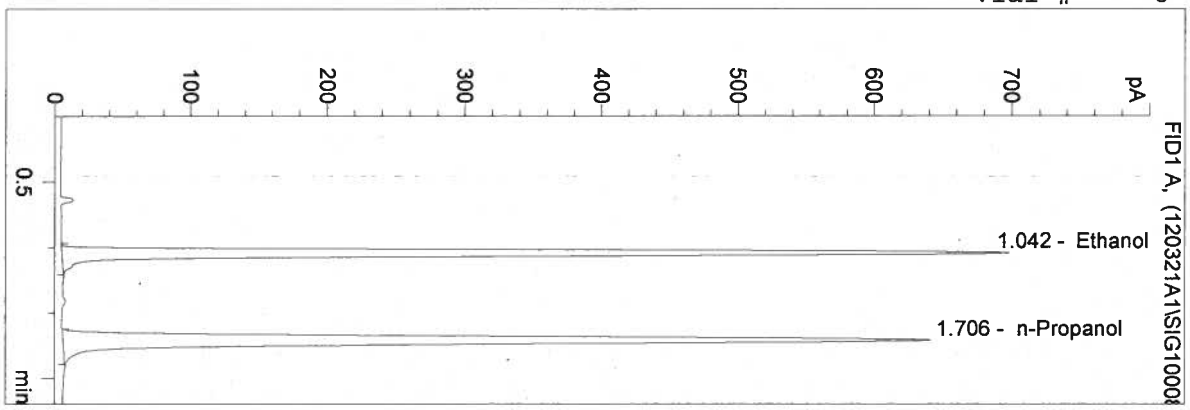
WASHINGTON STATE TOXICOLOGY LABORATORY

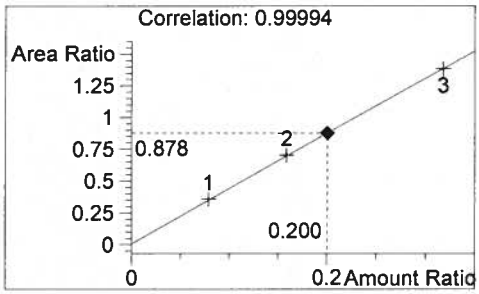
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:17:40 AM
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

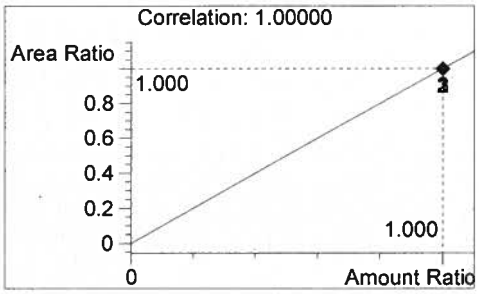
vial # 8



#	Compound	Area	RT
1	Ethanol	2222	1.042
2	n-Propanol	2532	1.706
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

AK
2012 MAR 21

AK
2012 Apr 03

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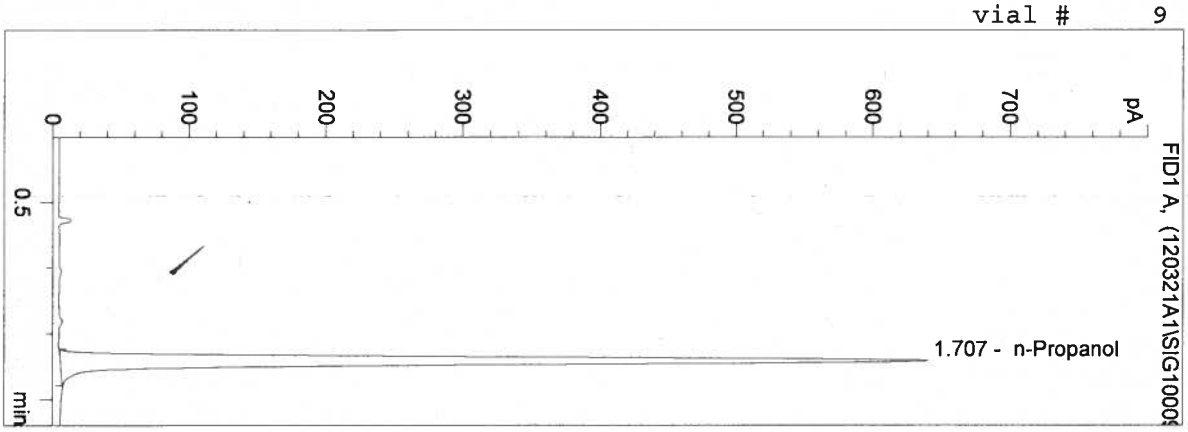
WASHINGTON STATE TOXICOLOGY LABORATORY

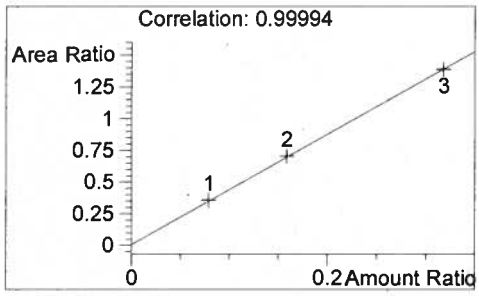
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:20:45 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

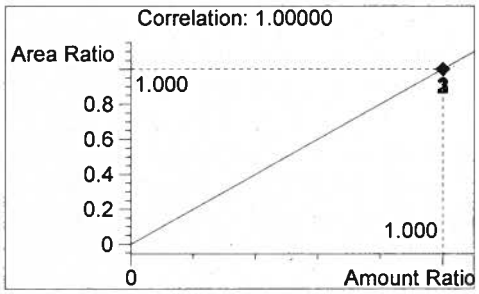
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2532	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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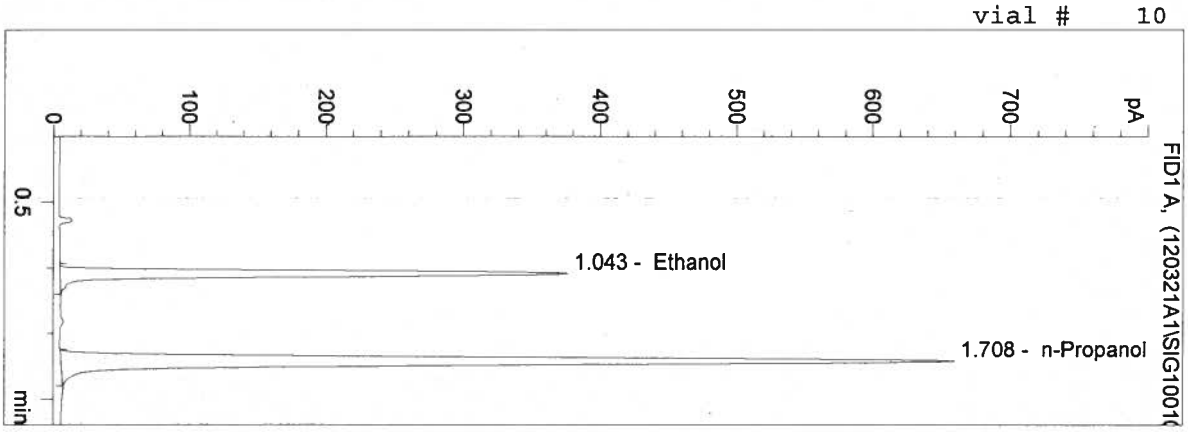
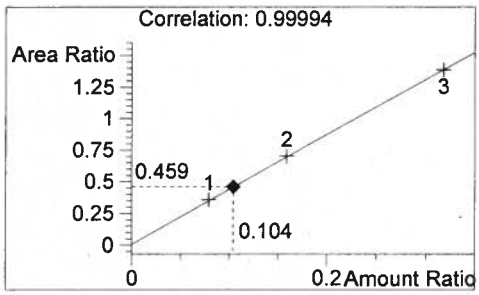
3/21/2012 8:23:49 AM
Instrument 1
DB-ALC1

12013 #1
asa louis

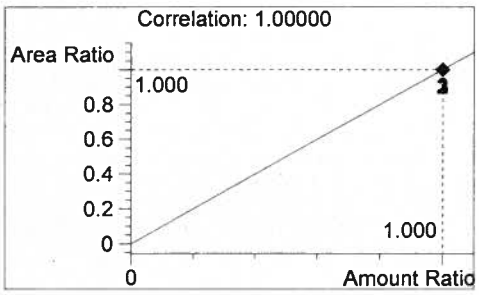
vial # 10



#	Compound	Area	RT
1	Ethanol	1200	1.043
2	n-Propanol	2613	1.708
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

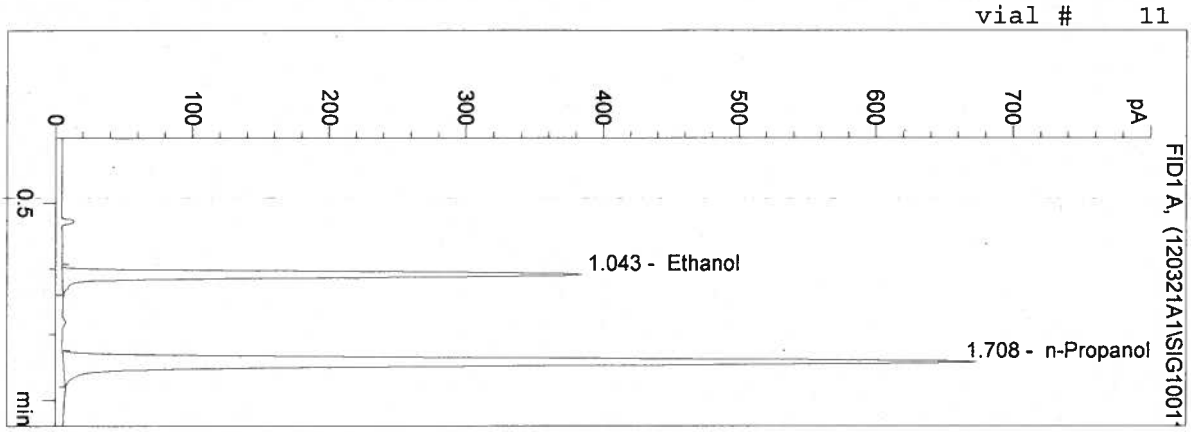
2012 MAR 21
2012 APR 03

WASHINGTON STATE TOXICOLOGY LABORATORY

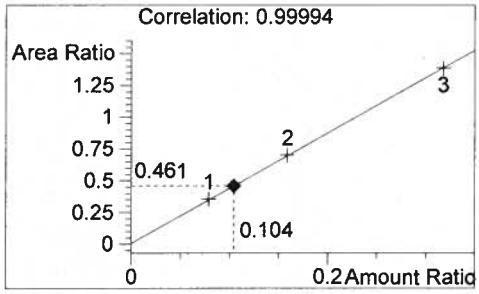
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:26:54 AM
Instrument 1
DB-ALC1

12013 #2
asa louis

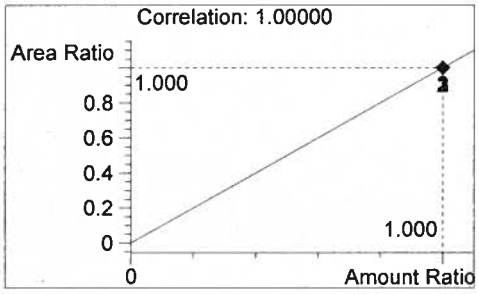
vial # 11



#	Compound	Area	RT
1	Ethanol	1229	1.043
2	n-Propanol	2667	1.708
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 MAR 21

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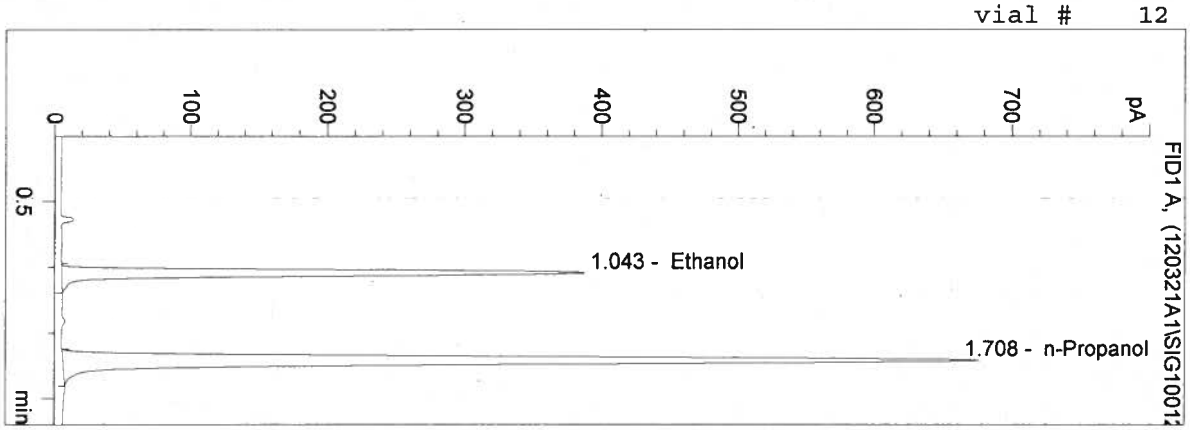
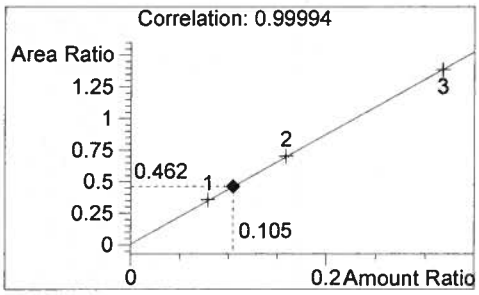
3/21/2012 8:29:59 AM
Instrument 1
DB-ALC1

12013 #3
asa louis

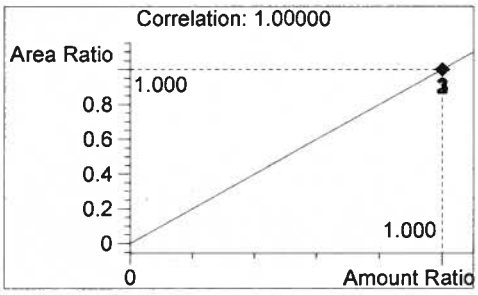
vial # 12



#	Compound	Area	RT
1	Ethanol	1237	1.043
2	n-Propanol	2681	1.708
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 MAR 21

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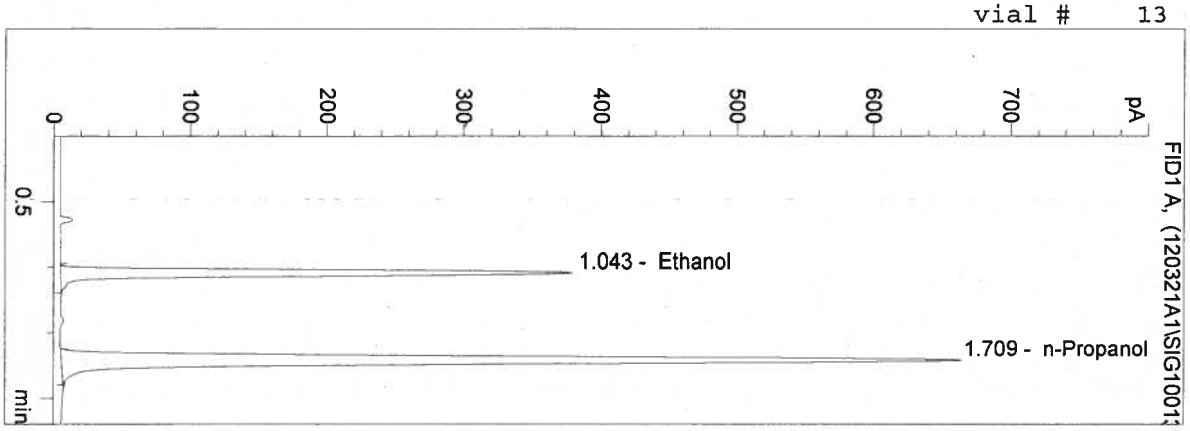
2012 APR 03

WASHINGTON STATE TOXICOLOGY LABORATORY

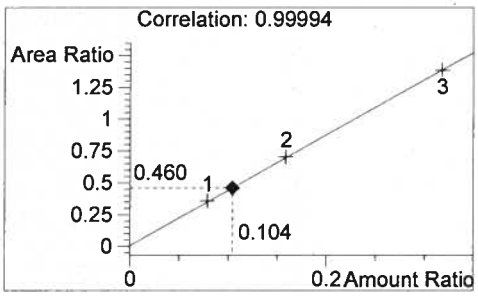
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:33:04 AM
Instrument 1
DB-ALC1

12013 #4
asa louis

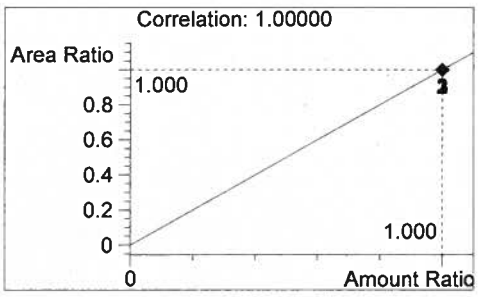
vial # 13



#	Compound	Area	RT
1	Ethanol	1210	1.043
2	n-Propanol	2633	1.709
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

AR
2012 MAR 21

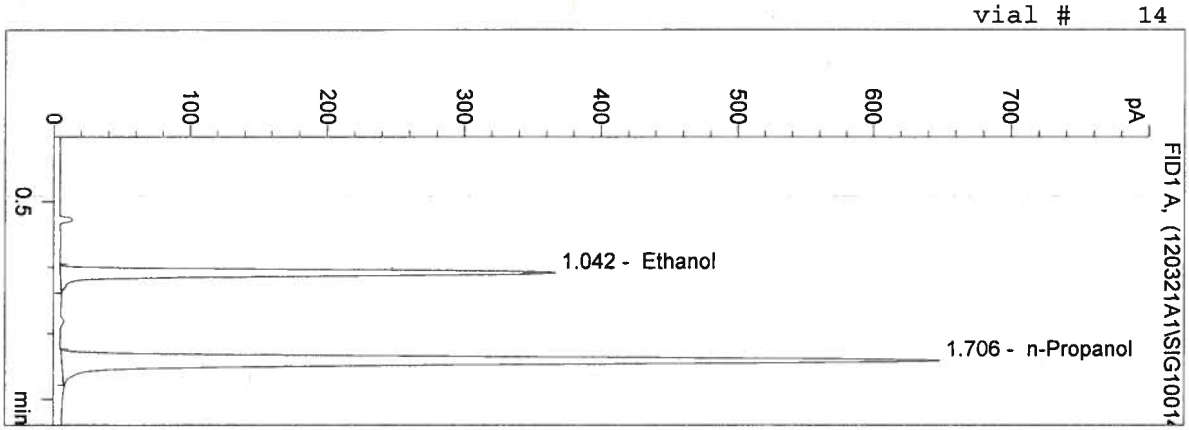
AR
2012 Apr 03

WASHINGTON STATE TOXICOLOGY LABORATORY

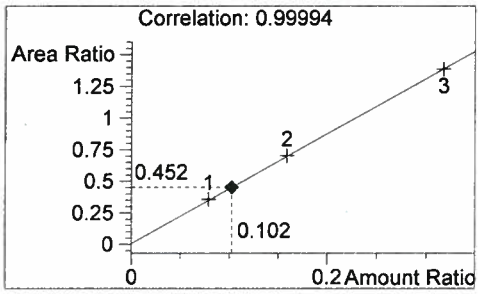
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:36:09 AM
Instrument 1
DB-ALC1

12013 #5
asa louis

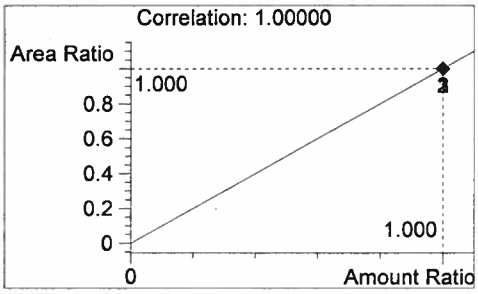
vial # 14



#	Compound	Area	RT
1	Ethanol	1159	1.042
2	n-Propanol	2565	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 MAR 21

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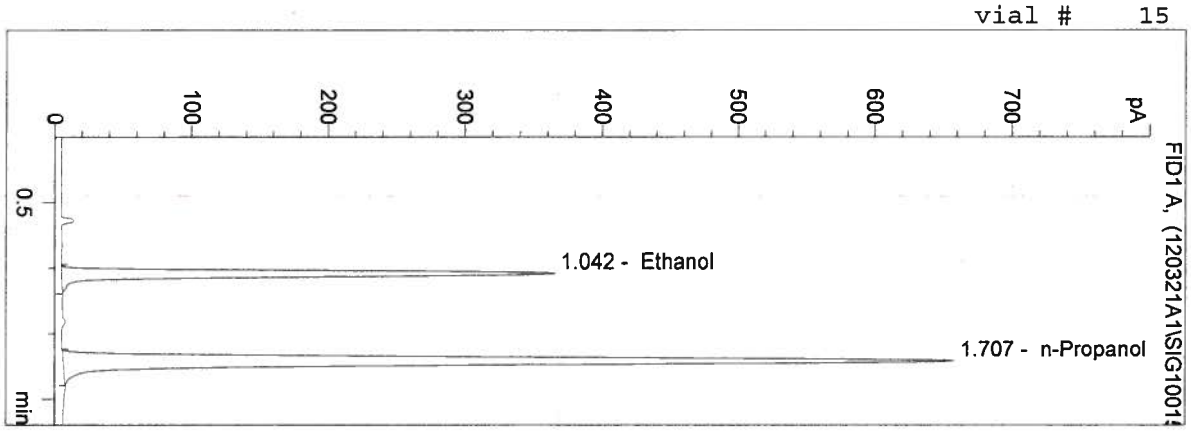
2012 Apr 03

WASHINGTON STATE TOXICOLOGY LABORATORY

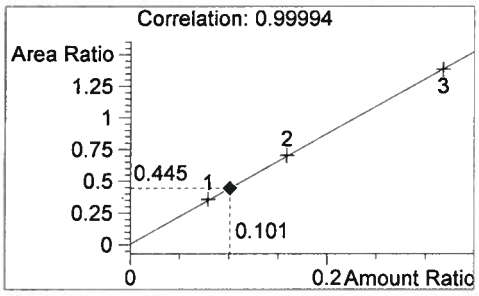
C:\HPCHEM\1\METHODS\SIMALC1.M
3/21/2012 8:39:13 AM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

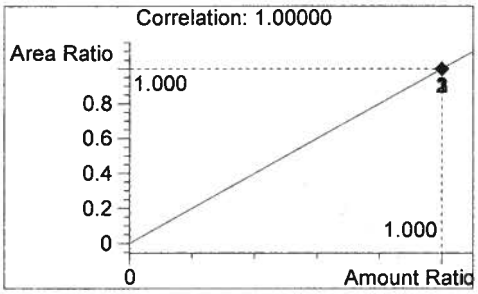
vial # 15



#	Compound	Area	RT
1	Ethanol	1159	1.042
2	n-Propanol	2603	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 MAR 21
AL 2012 APR 03

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WASHINGTON STATE TOXICOLOGY LABORATORY

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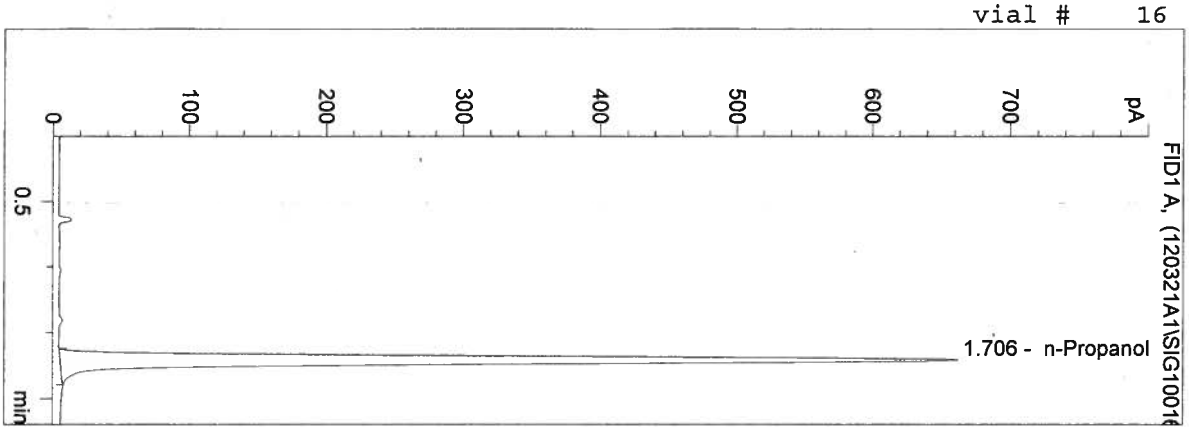
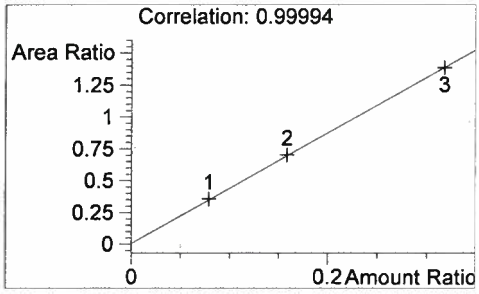
3/21/2012 8:42:18 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

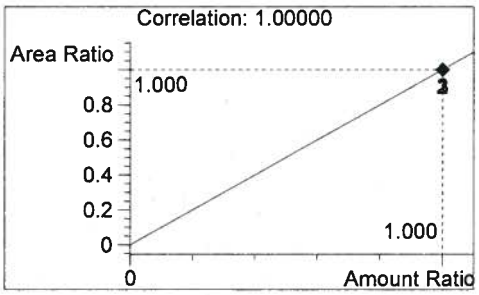
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2624	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AL
2012 MAR 21
AL 2012 APR 03

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

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120322JU
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

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	E0112-01 - Exp 04/29/2012
3	Vial 3	E0112-02 - Exp 04/29/2012
4	Vial 4	E0112-03 - Exp 04/29/2012
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	

12013

JK

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

Line	Location	Sample Information
15	Vial 15	
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC1	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC1	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL JK	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL JK	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
10	Vial 10	12013-1	SIMALC1	1	Sample		
11	Vial 11	12013-2	SIMALC1	1	Sample		
12	Vial 12	12013-3	SIMALC1	1	Sample		
13	Vial 13	12013-4	SIMALC1	1	Sample		
14	Vial 14	12013-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

12013 JK

Calibration Table

Calib. Data Modified : Thursday, March 22, 2012 8:37:10 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.043	1	1	7.90200e-2	885.04059	8.92840e-5	1		Ethanol
		2	1.58720e-1	1773.47339	8.94967e-5			
		3	3.17800e-1	3501.98071	9.07486e-5			
1.707	1	1	1.00000	2529.97168	3.95261e-4	I1		n-Propanol
		2	1.00000	2532.30322	3.94897e-4			
		3	1.00000	2527.85352	3.95593e-4			

Peak Sum Table

No Entries in table

12013

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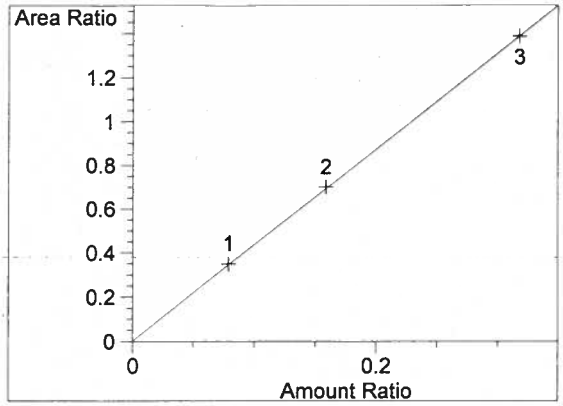
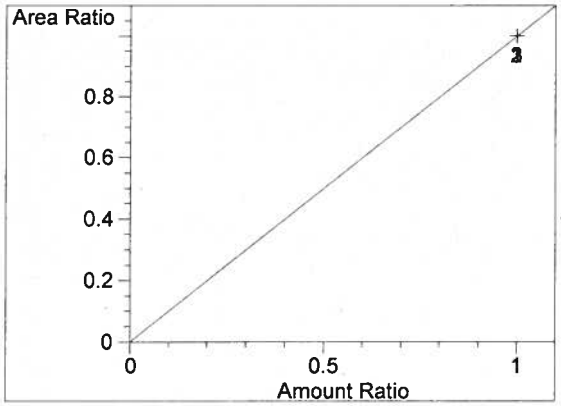
Calibration Curves

==========



Ethanol at exp. RT: 1.043
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00510
Formula: y = mx + b
m: 4.35644
b: 3.83576e-3
x: Amount Ratio
y: Area Ratio



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

==========

12013

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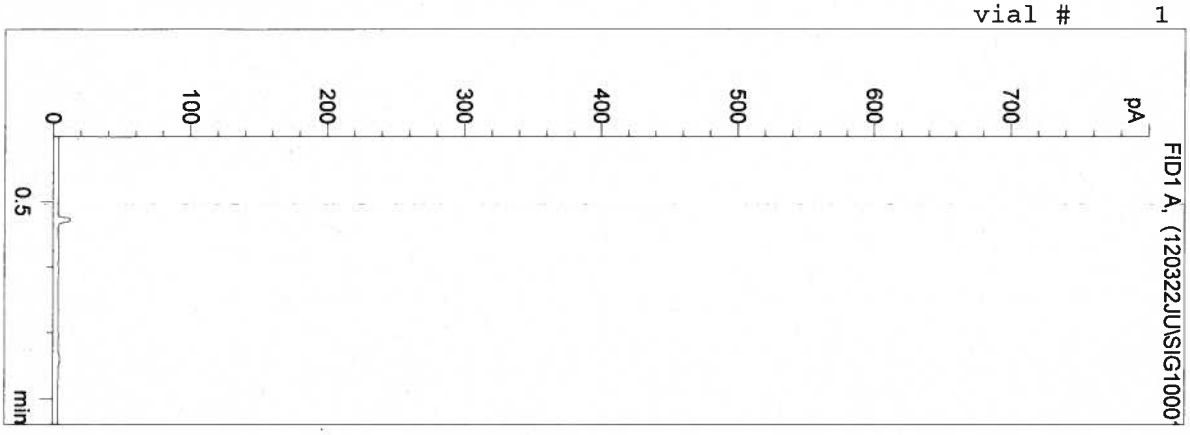
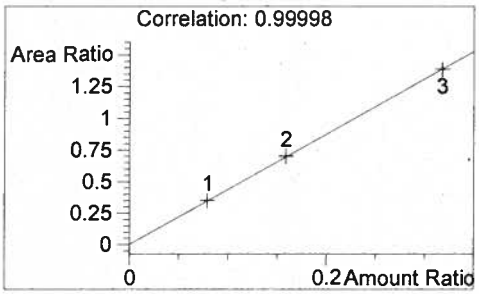
C:\HPCHEM\1\METHODS\SIMALC1.M
3/22/2012 8:25:42 AM
Instrument 1
DB-ALC1

BLANK
Justin Knoy

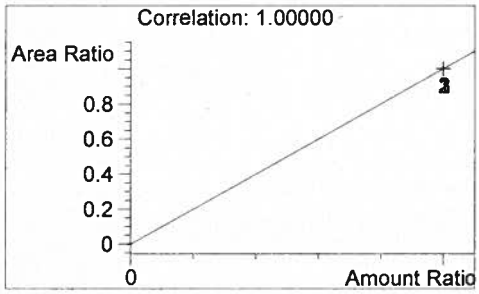
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12013

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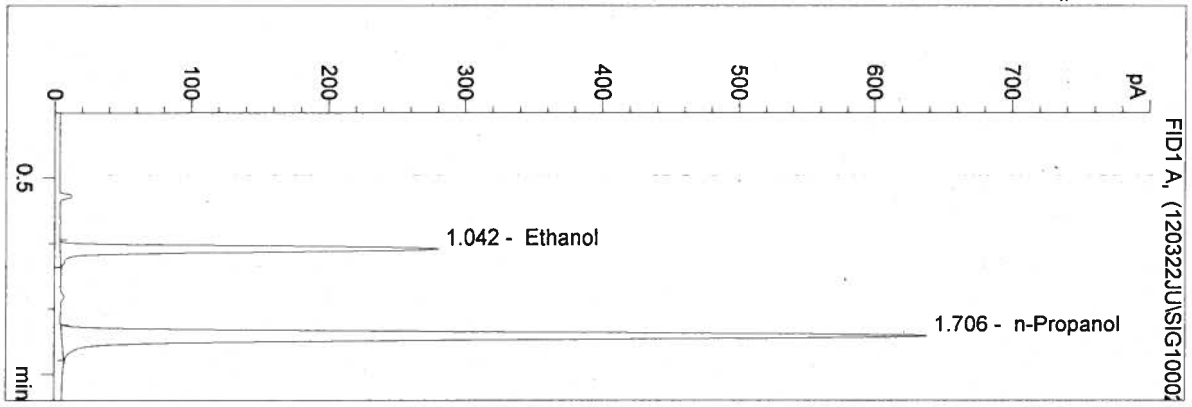
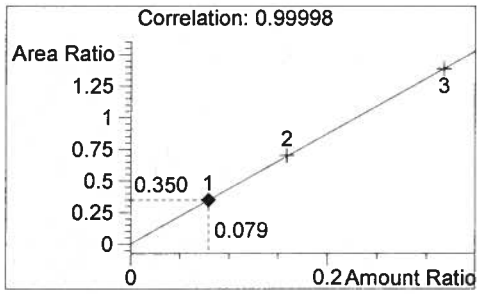
3/22/2012 8:28:47 AM
Instrument 1
DB-ALC1

CAL1 0.079
Justin Knoy

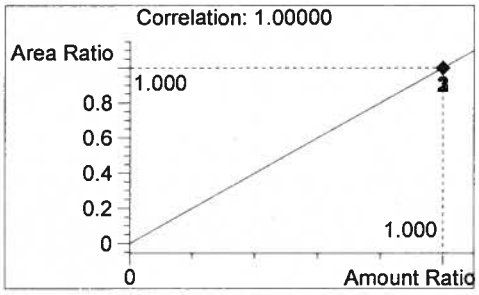
vial # 2



#	Compound	Area	RT
1	Ethanol	885	1.042
2	n-Propanol	2530	1.706
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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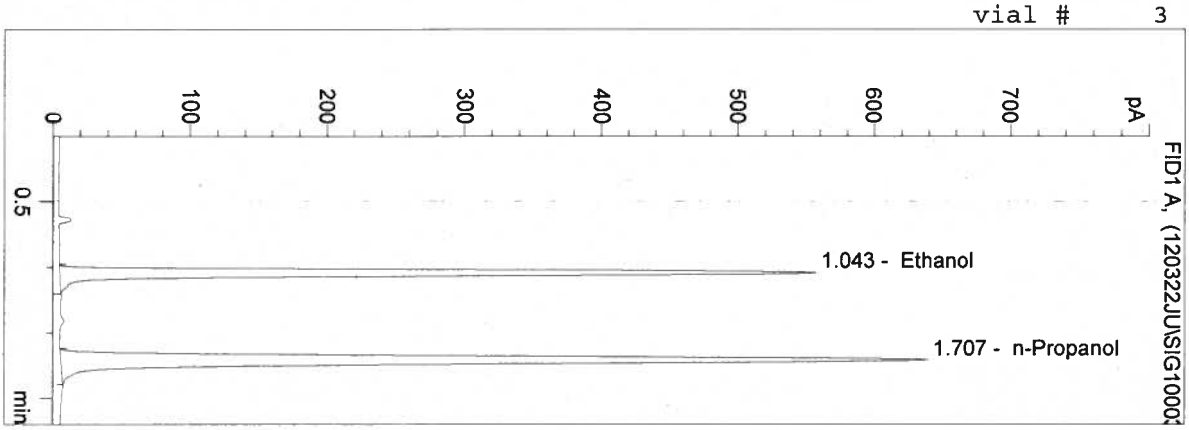
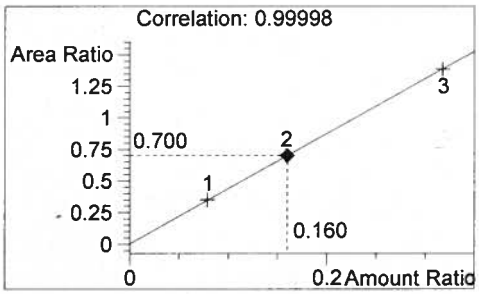
3/22/2012 8:31:52 AM
Instrument 1
DB-ALC1

CAL2 0.158
Justin Knoy

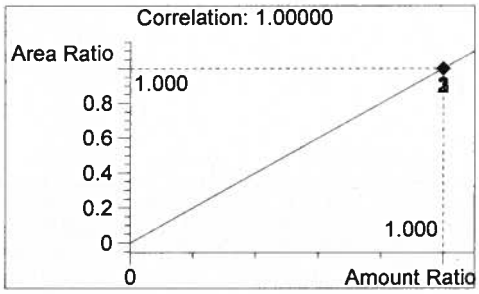
vial # 3



#	Compound	Area	RT
1	Ethanol	1773	1.043
2	n-Propanol	2532	1.707
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

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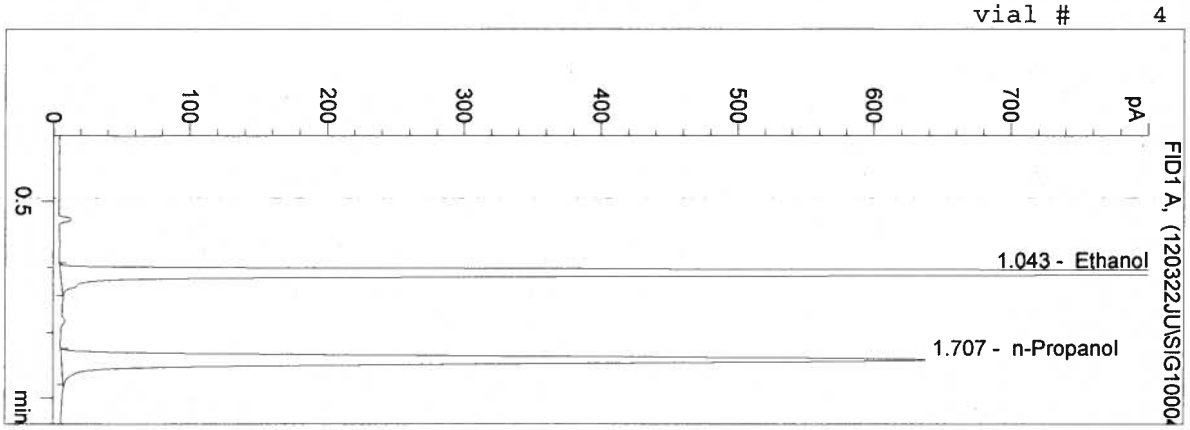
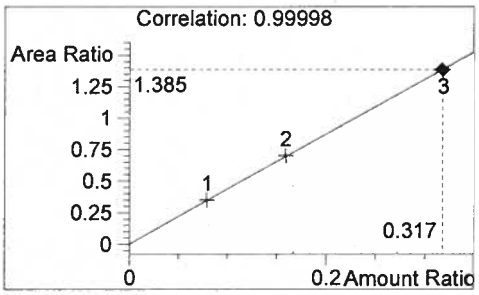
3/22/2012 8:34:57 AM
Instrument 1
DB-ALC1

CAL3 0.316
Justin Knoy

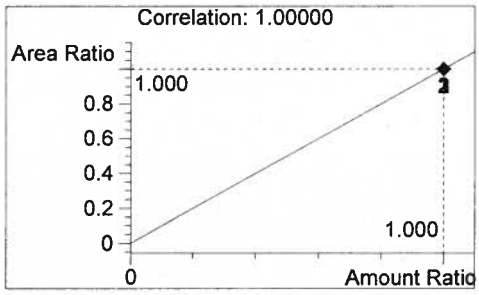
vial # 4



#	Compound	Area	RT
1	Ethanol	3502	1.043
2	n-Propanol	2528	1.707
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

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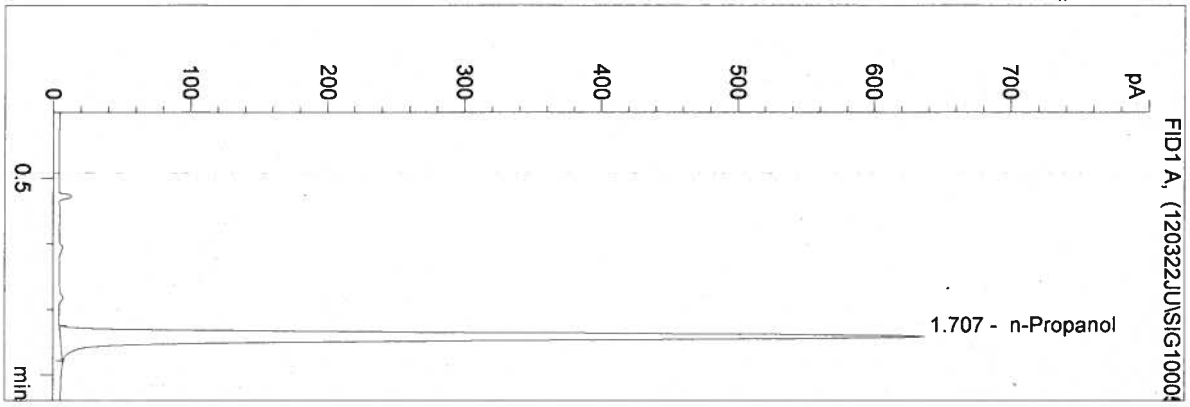
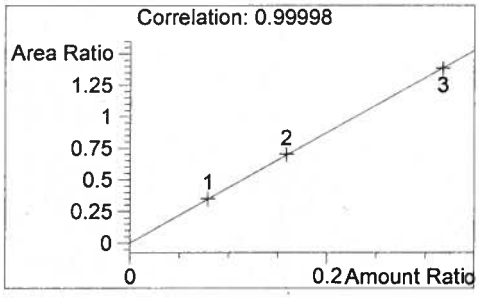
3/22/2012 8:38:01 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

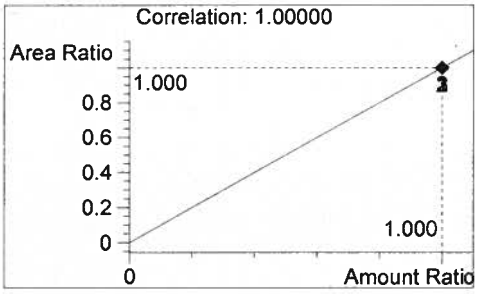
vial # 5



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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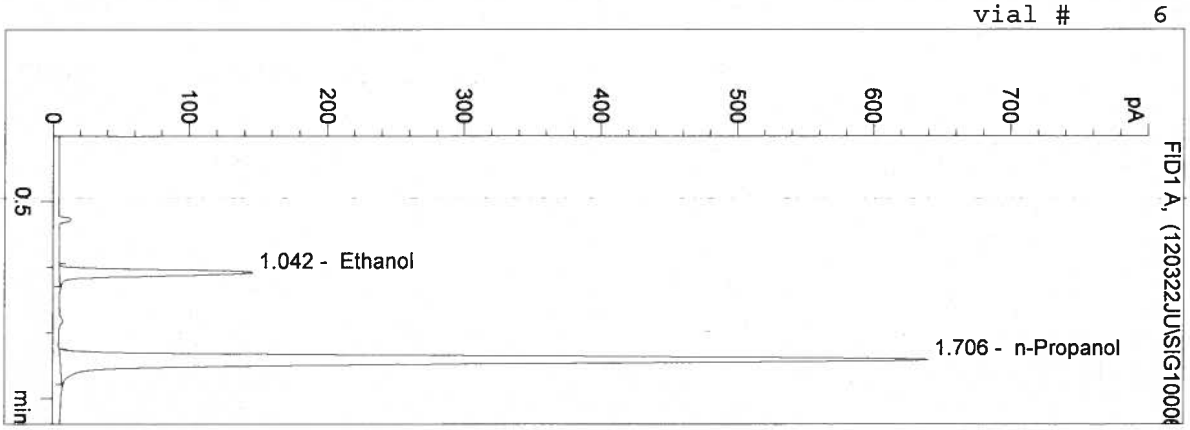
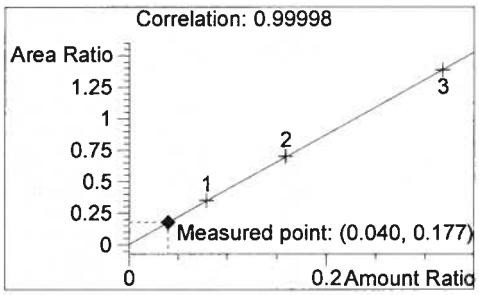
3/22/2012 8:41:06 AM
Instrument 1
DB-ALC1

0.04 CTRL JK
Justin Knoy

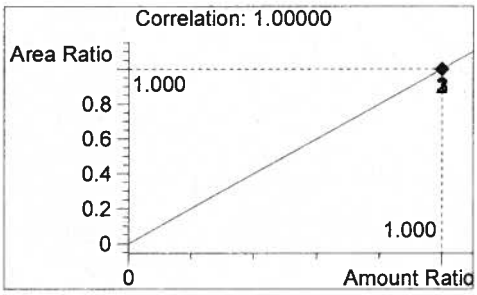
vial # 6



#	Compound	Area	RT
1	Ethanol	450	1.042
2	n-Propanol	2539	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12013

JK

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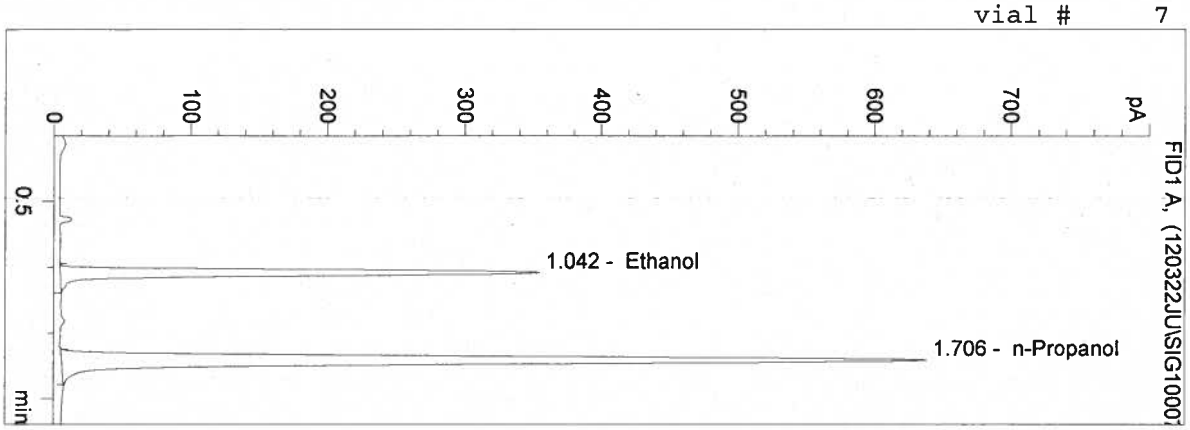
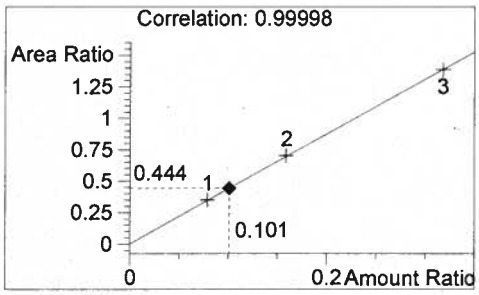
3/22/2012 8:44:11 AM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

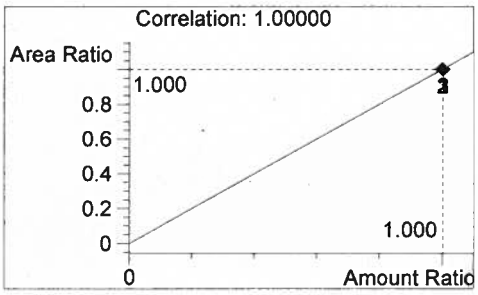
vial # 7



#	Compound	Area	RT
1	Ethanol	1123	1.042
2	n-Propanol	2529	1.706
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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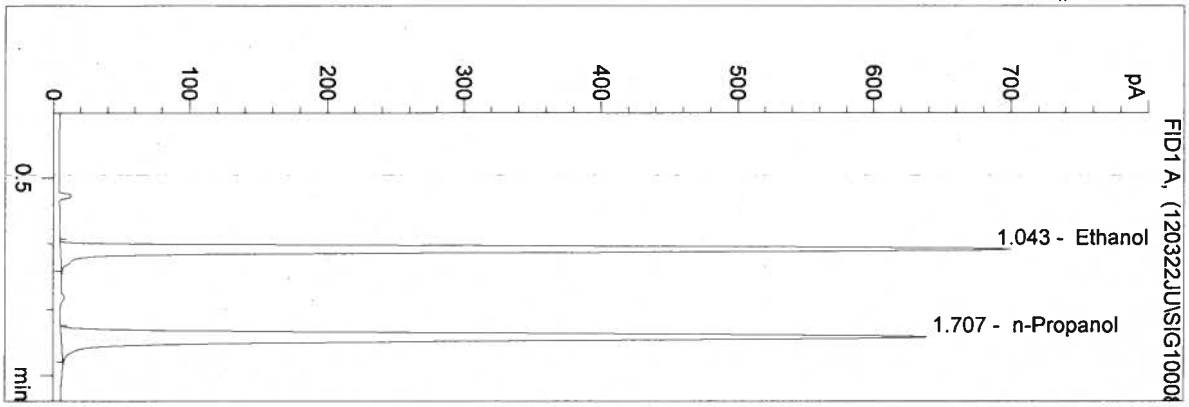
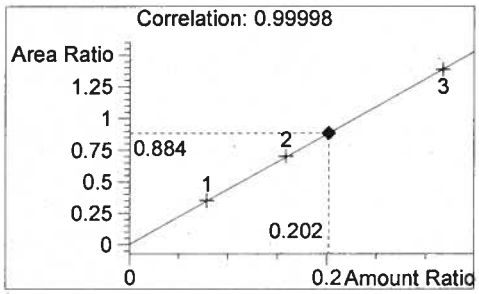
3/22/2012 8:47:15 AM
Instrument 1
DB-ALC1

0.20 CTRL JK
Justin Knoy

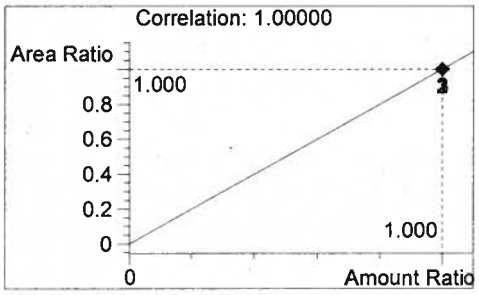
vial # 8



#	Compound	Area	RT
1	Ethanol	2232	1.043
2	n-Propanol	2526	1.707
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

12013

AK

WASHINGTON STATE TOXICOLOGY LABORATORY

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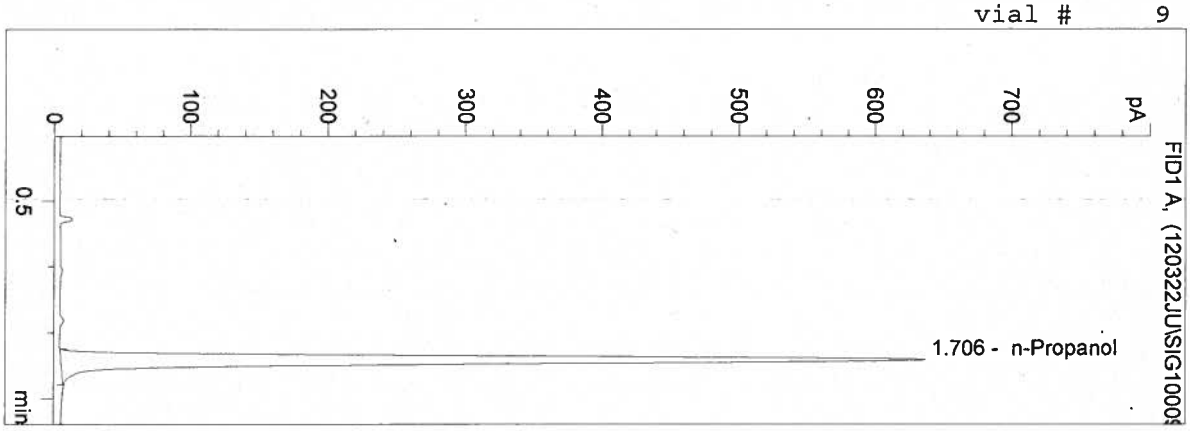
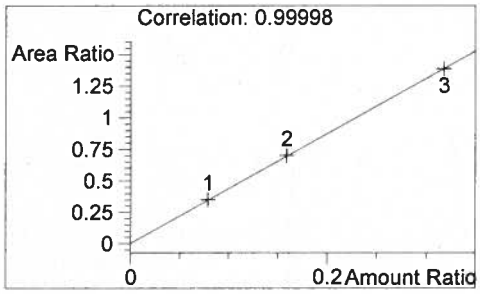
3/22/2012 8:50:20 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

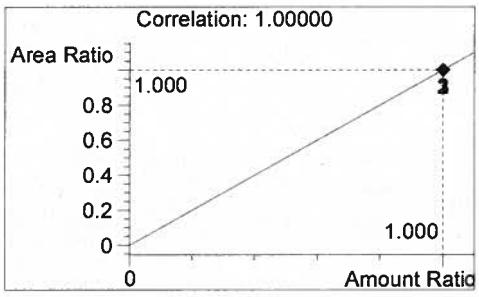
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2527	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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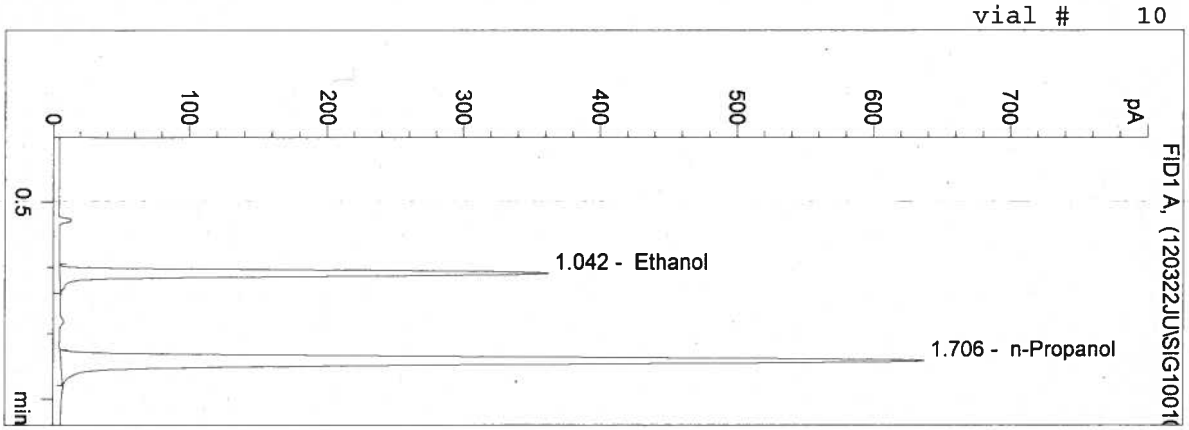
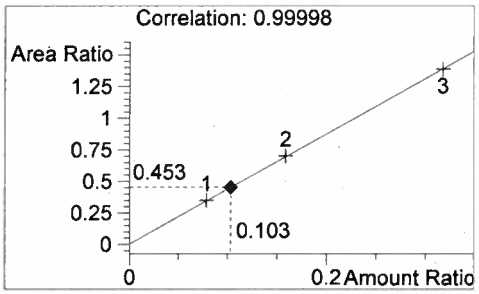
3/22/2012 8:53:25 AM
Instrument 1
DB-ALC1

12013-1
Justin Knoy

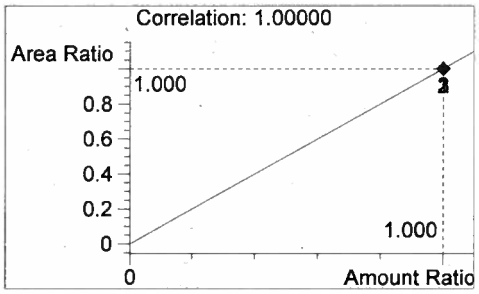
vial # 10



#	Compound	Area	RT
1	Ethanol	1145	1.042
2	n-Propanol	2527	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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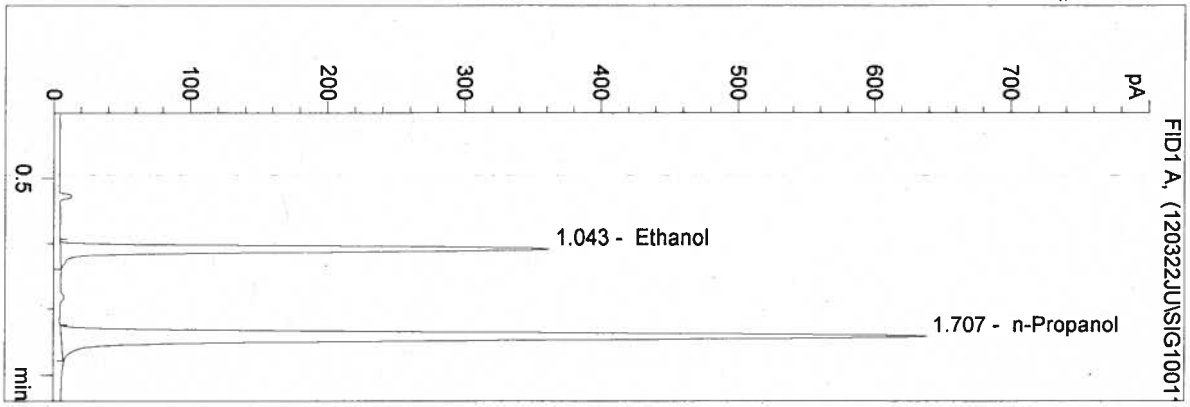
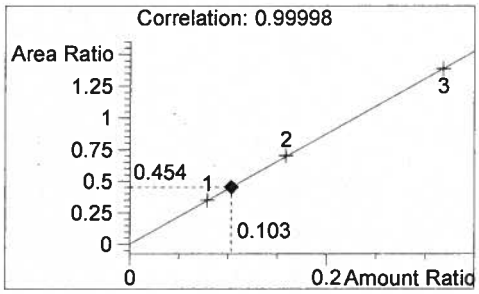
3/22/2012 8:56:30 AM
Instrument 1
DB-ALC1

12013-2
Justin Knoy

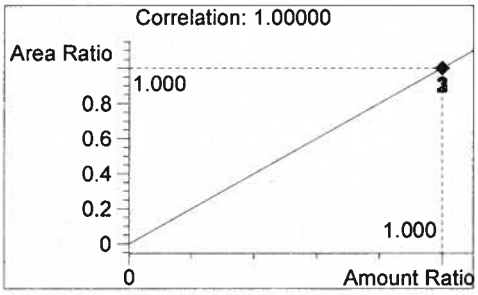
vial # 11



#	Compound	Area	RT
1	Ethanol	1146	1.043
2	n-Propanol	2527	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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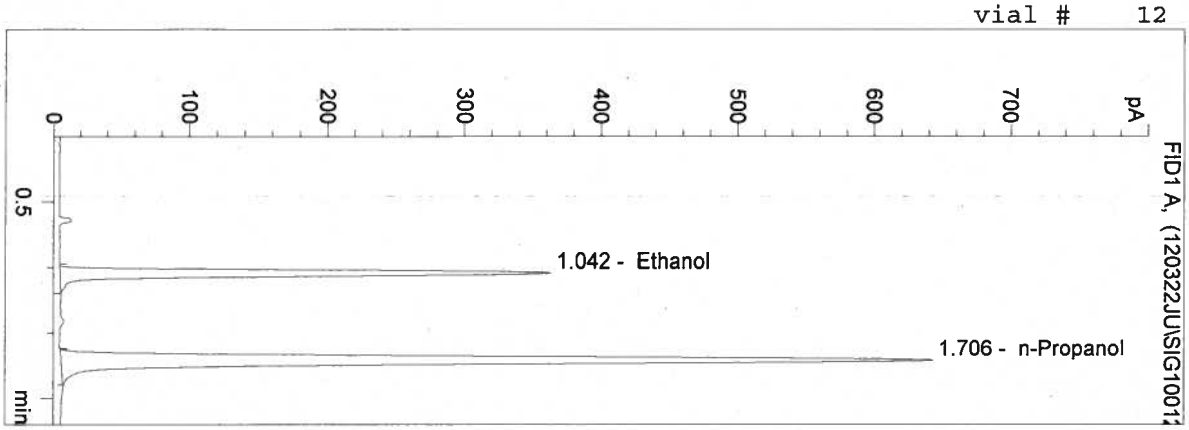
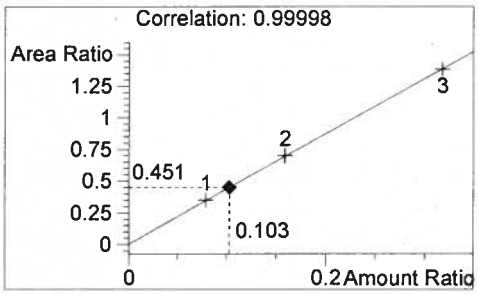
3/22/2012 8:59:34 AM
Instrument 1
DB-ALC1

12013-3
Justin Knoy

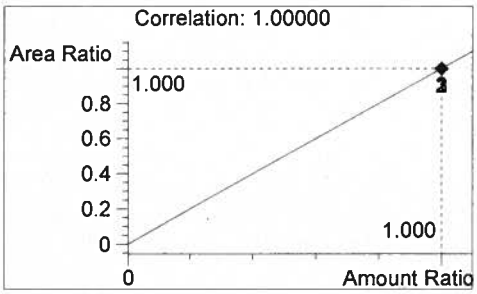
vial # 12



#	Compound	Area	RT
1	Ethanol	1148	1.042
2	n-Propanol	2543	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

JK

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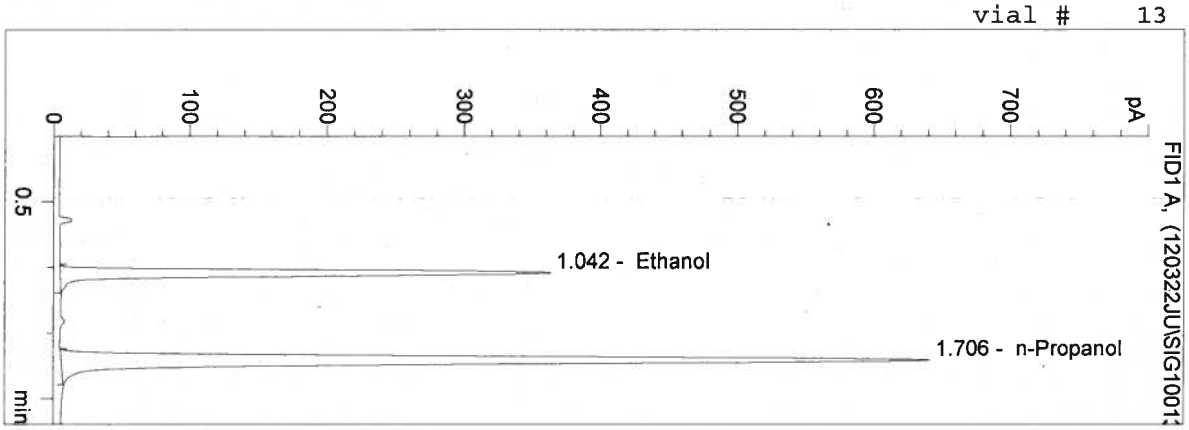
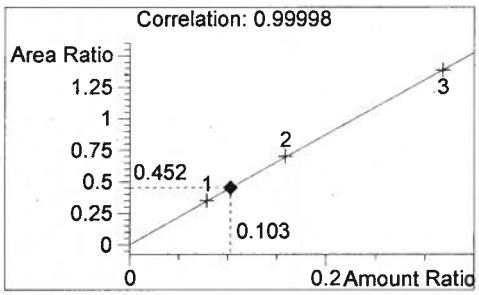
3/22/2012 9:02:39 AM
Instrument 1
DB-ALC1

12013-4
Justin Knoy

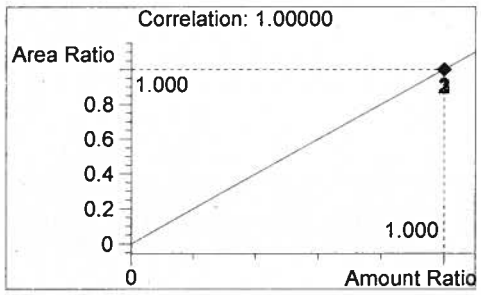
vial # 13



#	Compound	Area	RT
1	Ethanol	1149	1.042
2	n-Propanol	2541	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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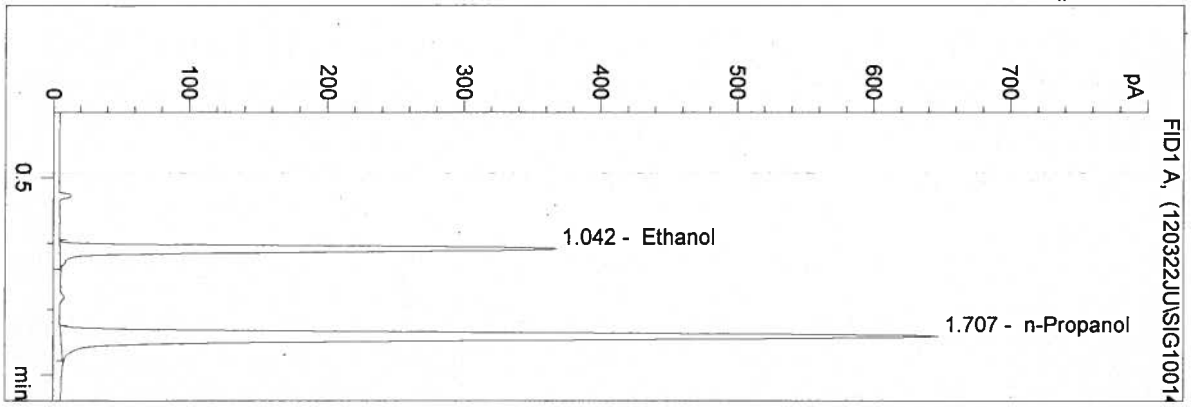
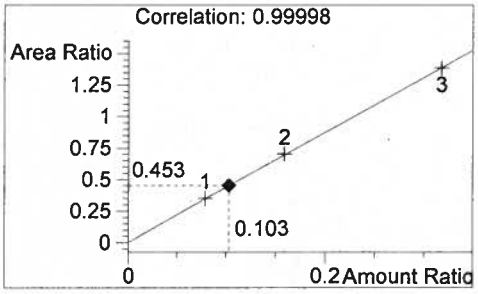
3/22/2012 9:05:44 AM
Instrument 1
DB-ALC1

12013-5
Justin Knoy

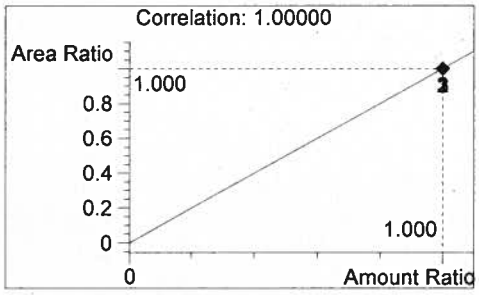
vial # 14



#	Compound	Area	RT
1	Ethanol	1162	1.042
2	n-Propanol	2565	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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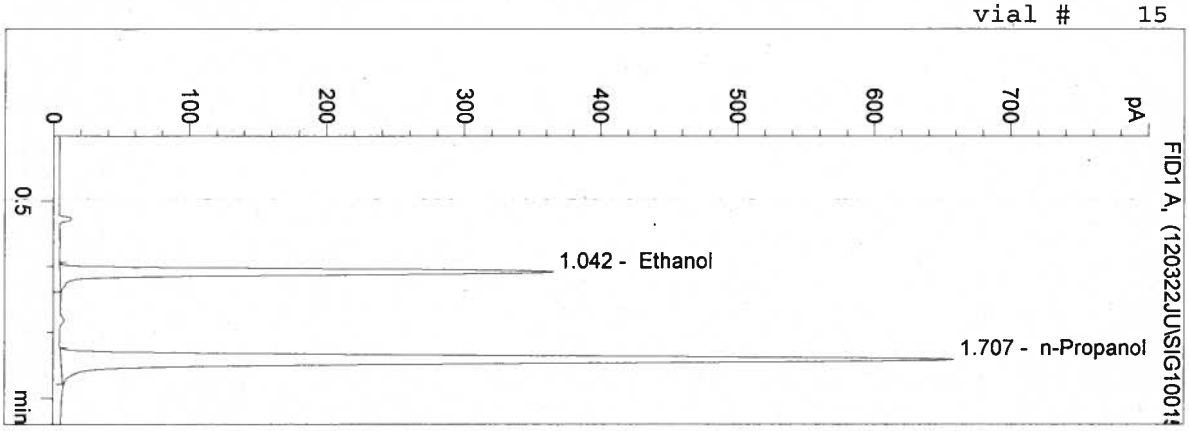
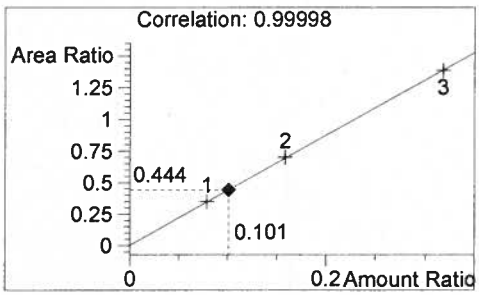
3/22/2012 9:08:49 AM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

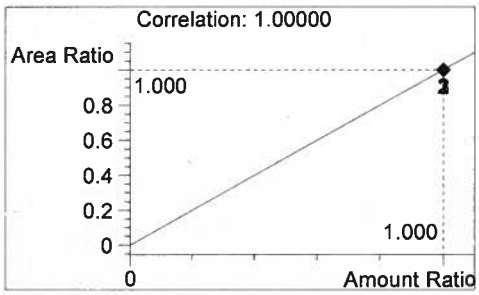
vial # 15



#	Compound	Area	RT
1	Ethanol	1159	1.042
2	n-Propanol	2611	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

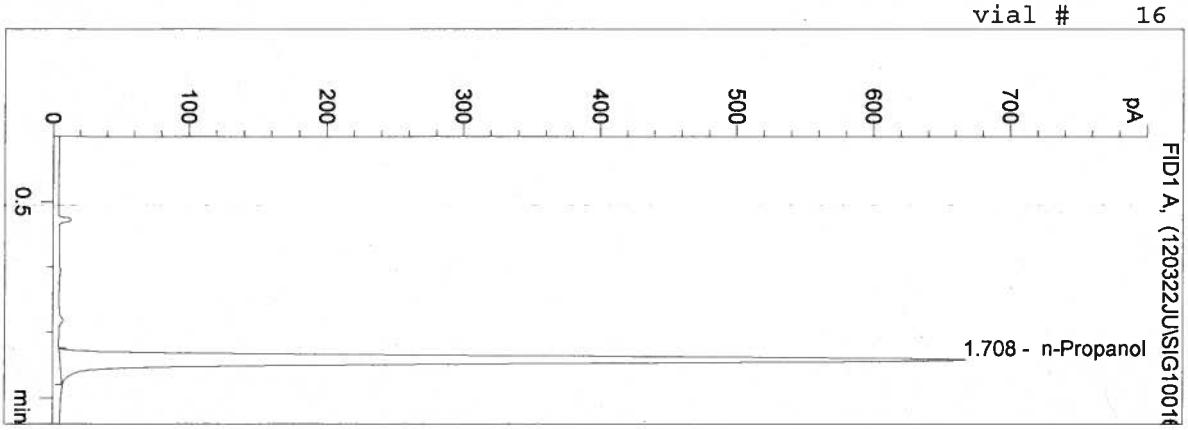
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

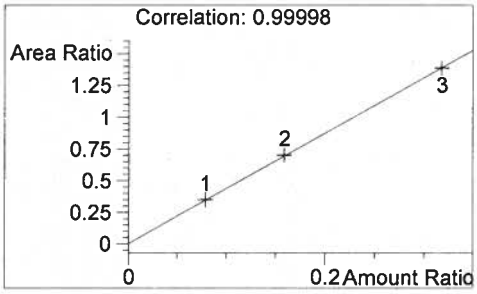
C:\HPCHEM\1\METHODS\SIMALC1.M
3/22/2012 9:11:53 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

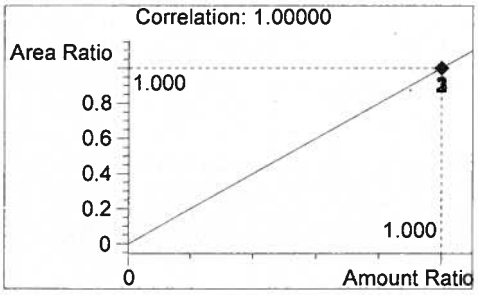
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2652	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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

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:	120323RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/12
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/12
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/12

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, E0112-01 - Exp. 04/29/12
3	Vial 3	Ethanol Calibrator 2, E0112-02 - Exp. 04/29/12
4	Vial 4	Ethanol Calibrator 3, E0112-03 - Exp. 04/29/12
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	

12013

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

Line	Location	Sample Information
15	Vial 15	0.10 Control - Lot #A083355 - Exp. 12/2015
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-RF	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-RF	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
10	Vial 10	12013 #1	SIMALC1	1	Sample		
11	Vial 11	12013 #2	SIMALC1	1	Sample		
12	Vial 12	12013 #3	SIMALC1	1	Sample		
13	Vial 13	12013 #4	SIMALC1	1	Sample		
14	Vial 14	12013 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

RF

12013

Calibration Table

Calib. Data Modified : Friday, March 23, 2012 9:10:24 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.044	1	1	7.90200e-2	961.89111	8.21507e-5	1		Ethanol
		2	1.58720e-1	1770.31384	8.96564e-5			
		3	3.17800e-1	3528.78247	9.00594e-5			
1.708	1	1	1.00000	2680.92627	3.73005e-4	I1		n-Propanol
		2	1.00000	2521.43164	3.96600e-4			
		3	1.00000	2523.79663	3.96228e-4			

Peak Sum Table

No Entries in table

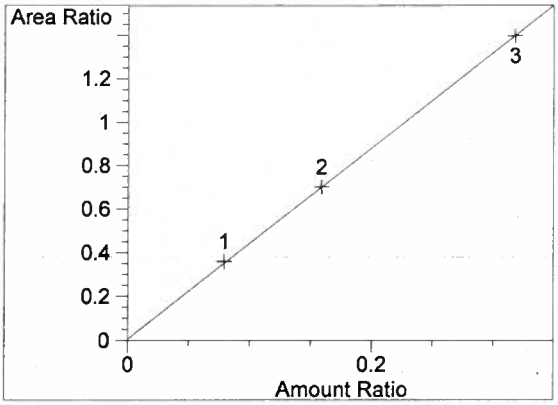
RX

12013

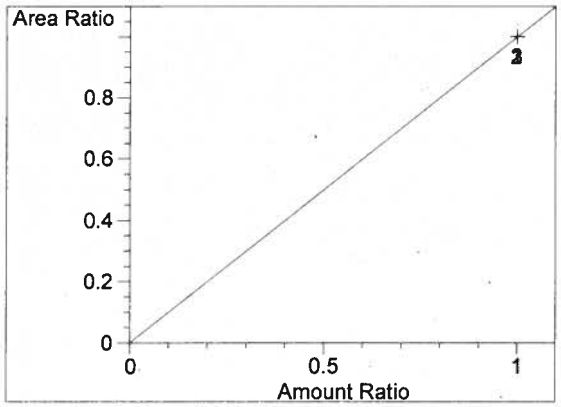
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.044
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00618
Formula: y = mx + b
m: 4.38894
b: 5.21711e-3
x: Amount Ratio
y: Area Ratio



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

==========

RK

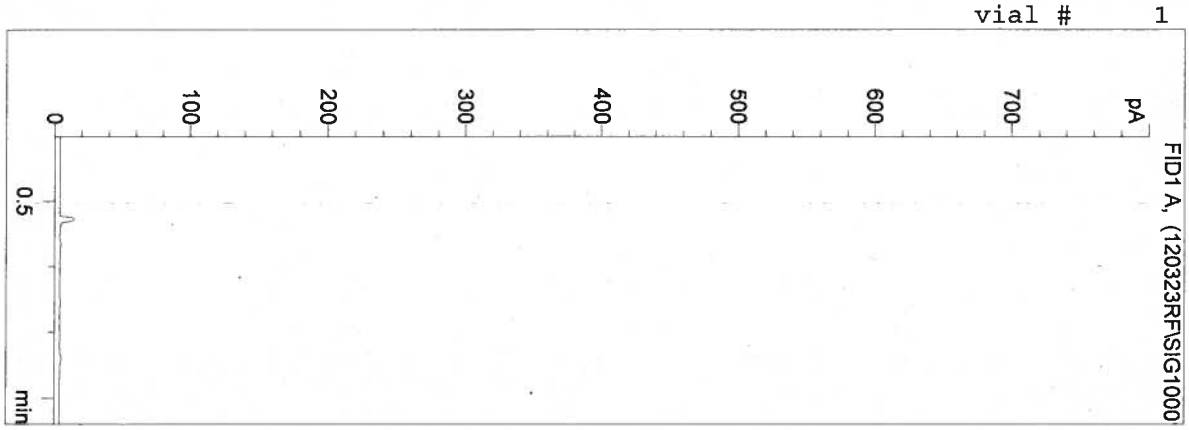
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 8:58:57 AM
Instrument 1
DB-ALC1

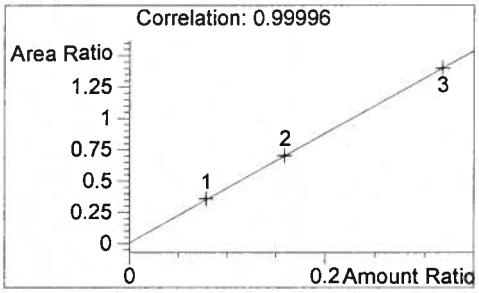
BLANK
Rebecca Flaherty

vial # 1

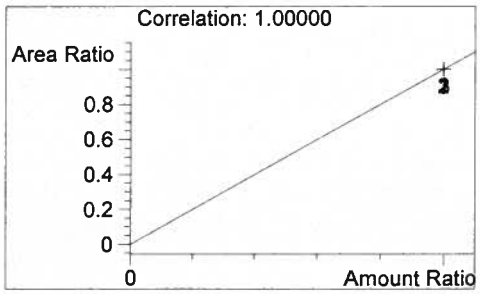


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

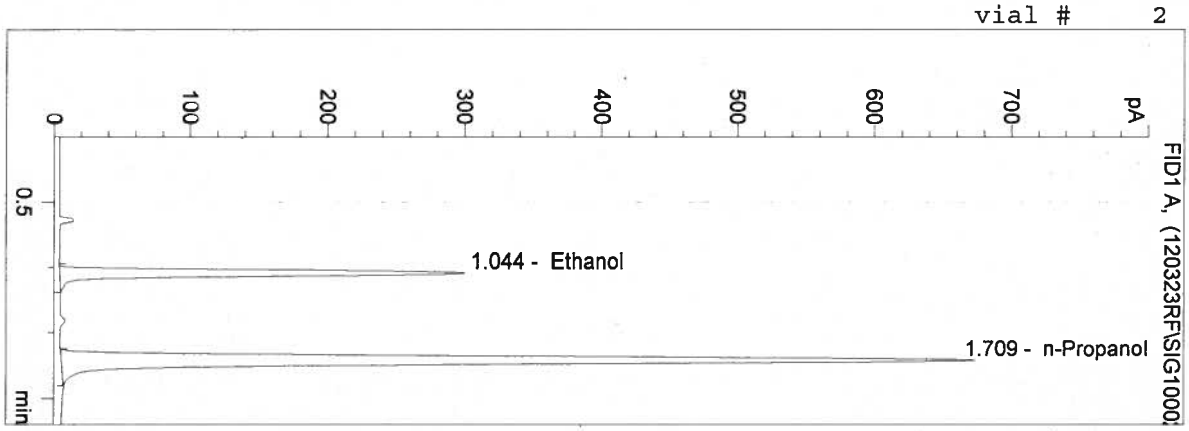
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:02:02 AM
Instrument 1
DB-ALC1

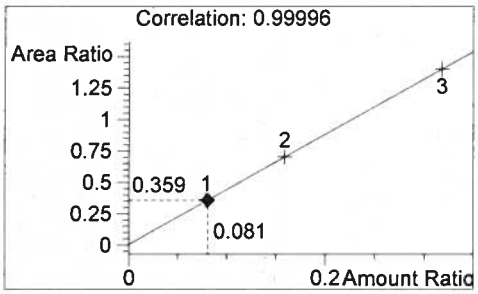
0.079 CAL 1
Rebecca Flaherty

vial # 2

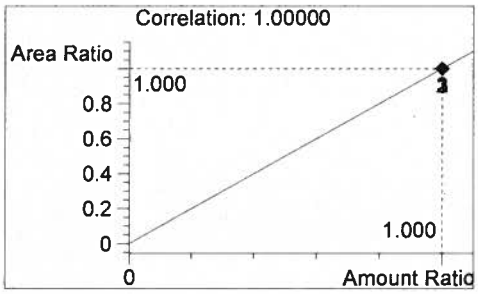


#	Compound	Area	RT
1	Ethanol	962	1.044
2	n-Propanol	2681	1.709
Tot			

RF



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

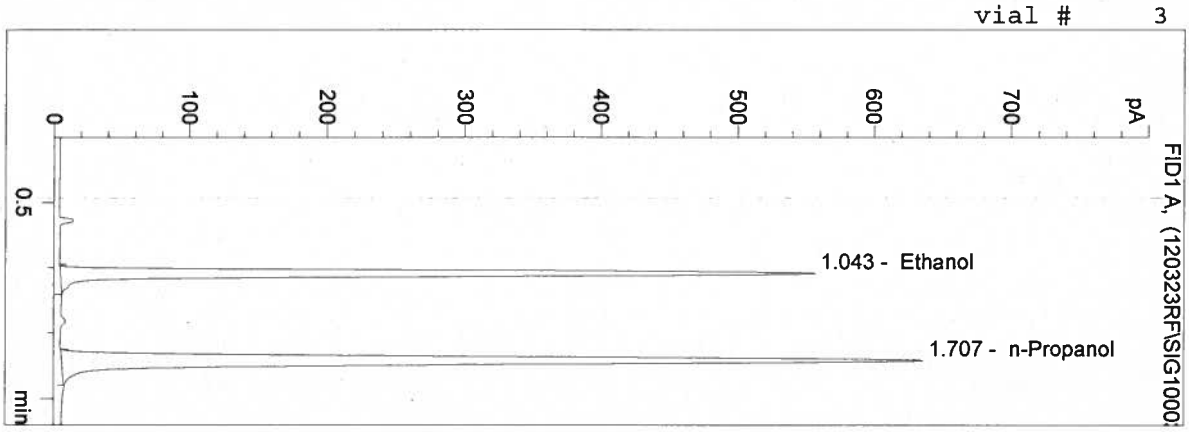
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:05:07 AM
Instrument 1
DB-ALC1

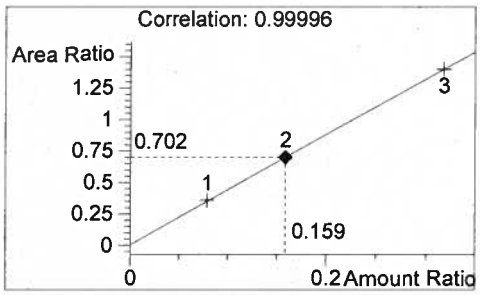
0.158 CAL 2
Rebecca Flaherty

vial # 3

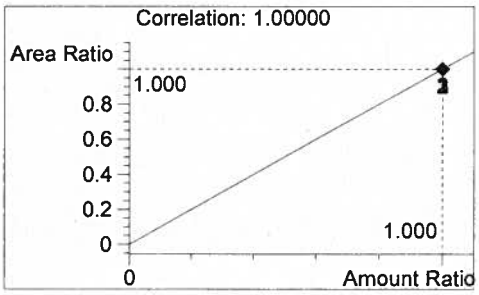


#	Compound	Area	RT
1	Ethanol	1770	1.043
2	n-Propanol	2521	1.707
Tot			

RX



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

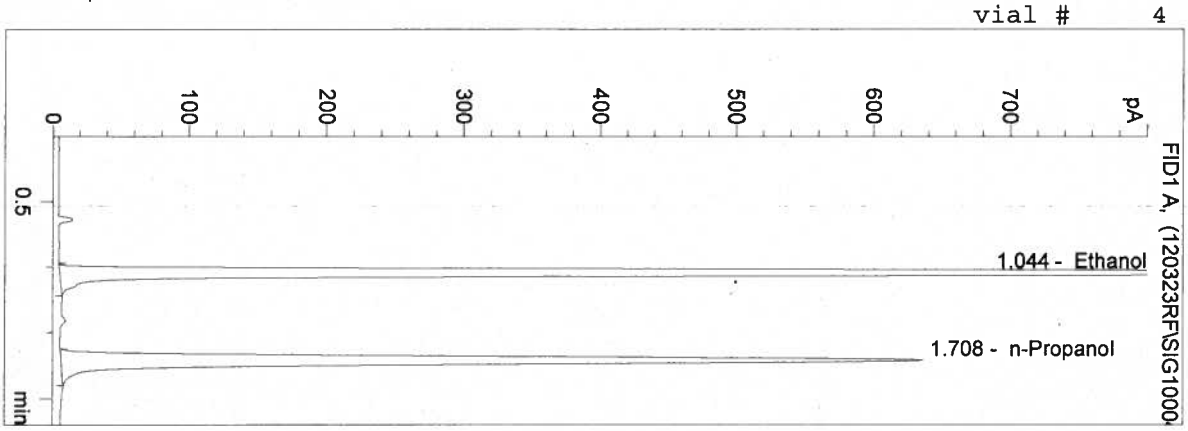
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:08:11 AM
Instrument 1
DB-ALC1

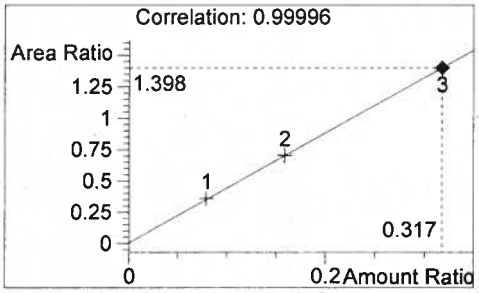
0.316 CAL 3
Rebecca Flaherty

vial # 4

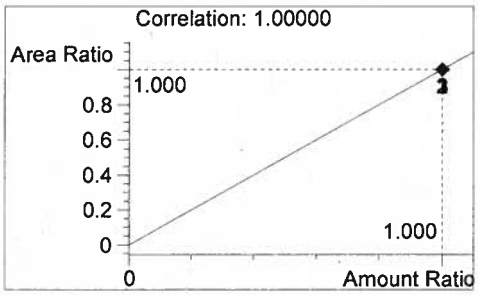


#	Compound	Area	RT
1	Ethanol	3529	1.044
2	n-Propanol	2524	1.708
Tot			

RK



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

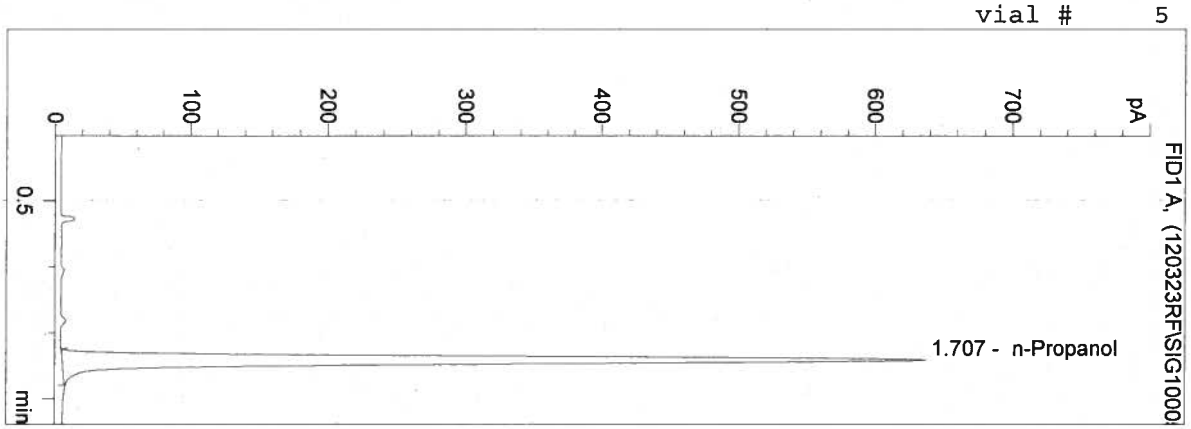
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:11:16 AM
Instrument 1
DB-ALC1

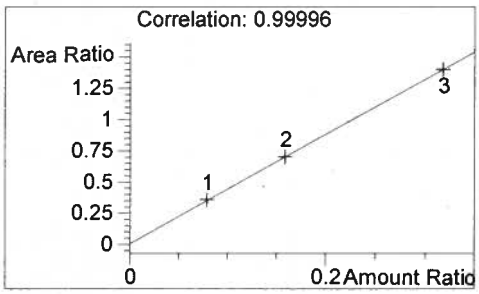
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

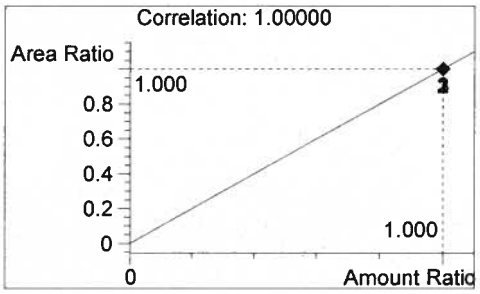


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2526	1.707
Tot			

RX



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

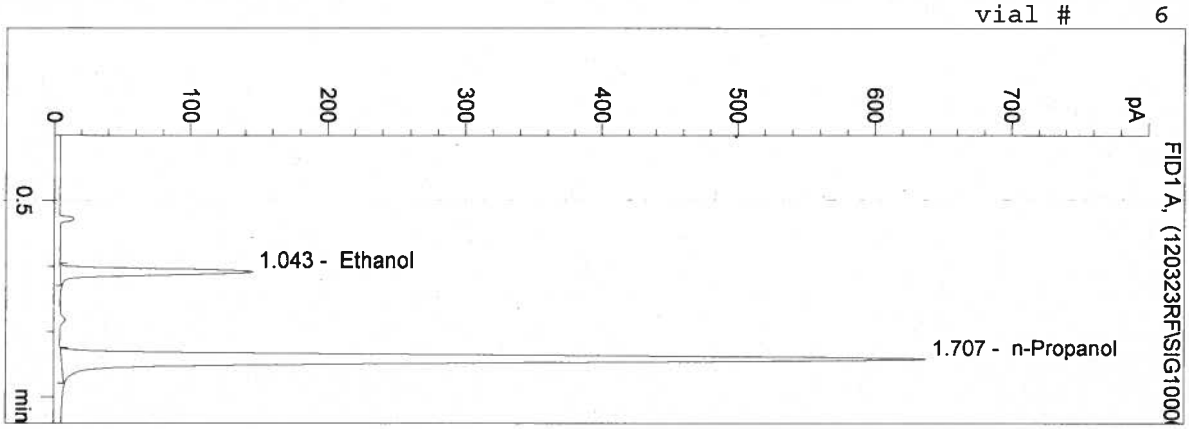
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:14:21 AM
Instrument 1
DB-ALC1

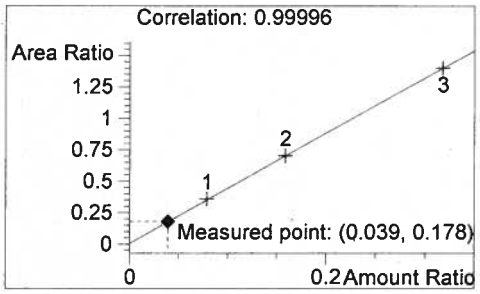
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

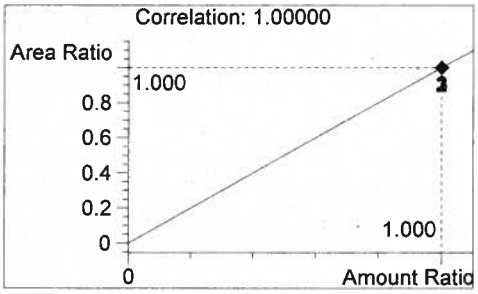


#	Compound	Area	RT
1	Ethanol	450	1.043
2	n-Propanol	2529	1.707
Tot			

RF



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

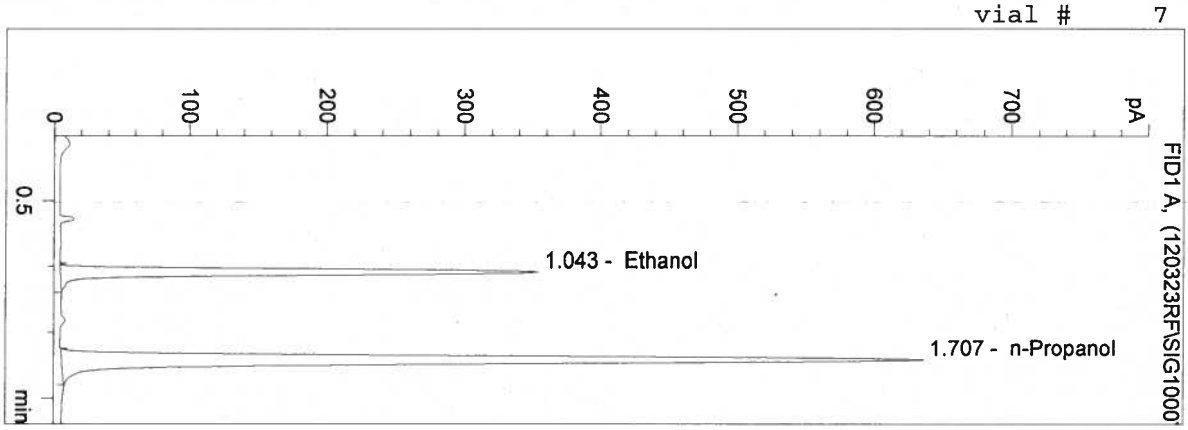
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:17:25 AM
Instrument 1
DB-ALC1

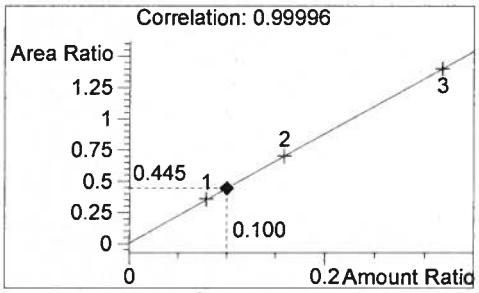
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

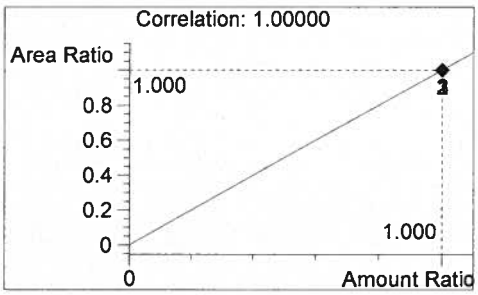


#	Compound	Area	RT
1	Ethanol	1122	1.043
2	n-Propanol	2523	1.707
Tot			

RF



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

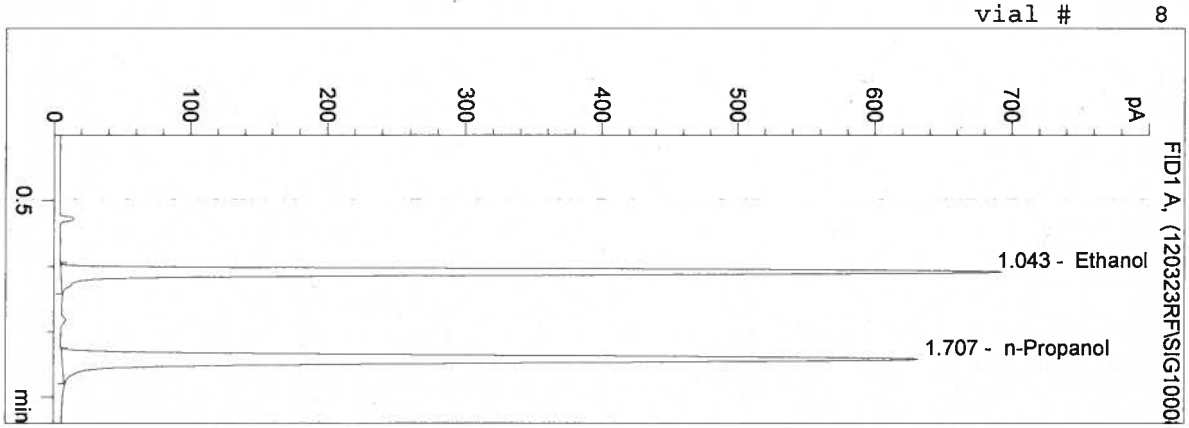
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:20:30 AM
Instrument 1
DB-ALC1

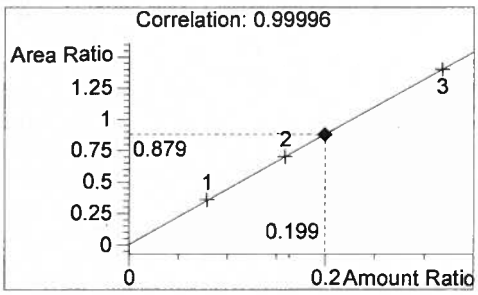
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

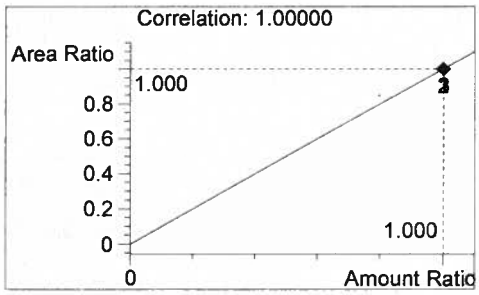


#	Compound	Area	RT
1	Ethanol	2209	1.043
2	n-Propanol	2512	1.707
Tot			

RX



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

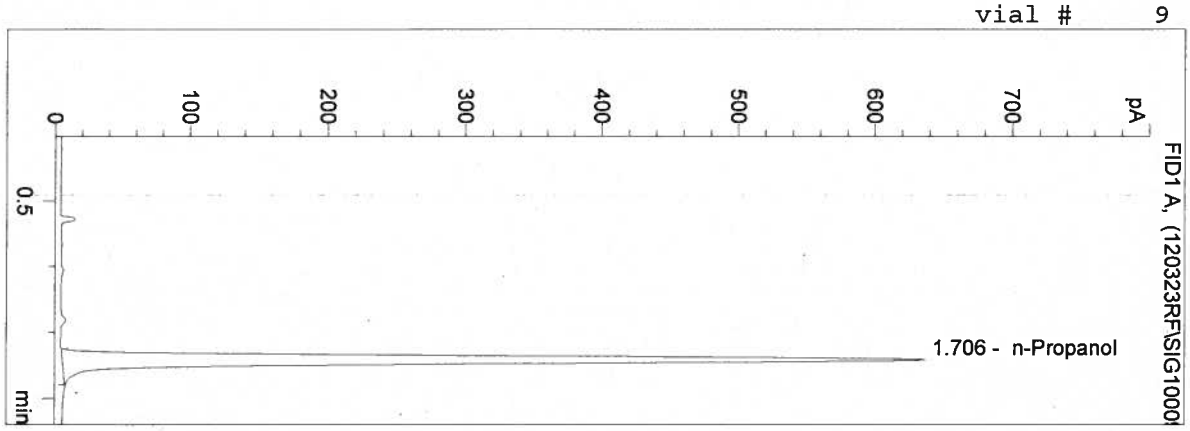
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:23:34 AM
Instrument 1
DB-ALC1

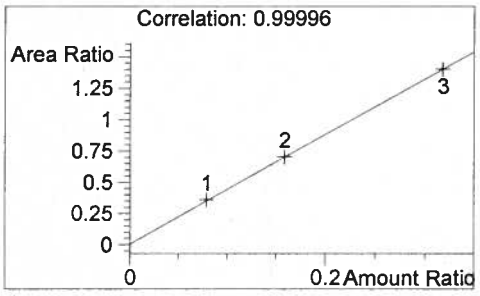
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

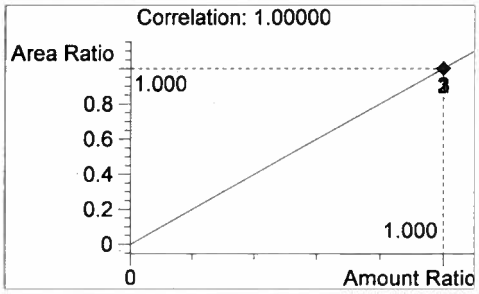


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2528	1.706
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

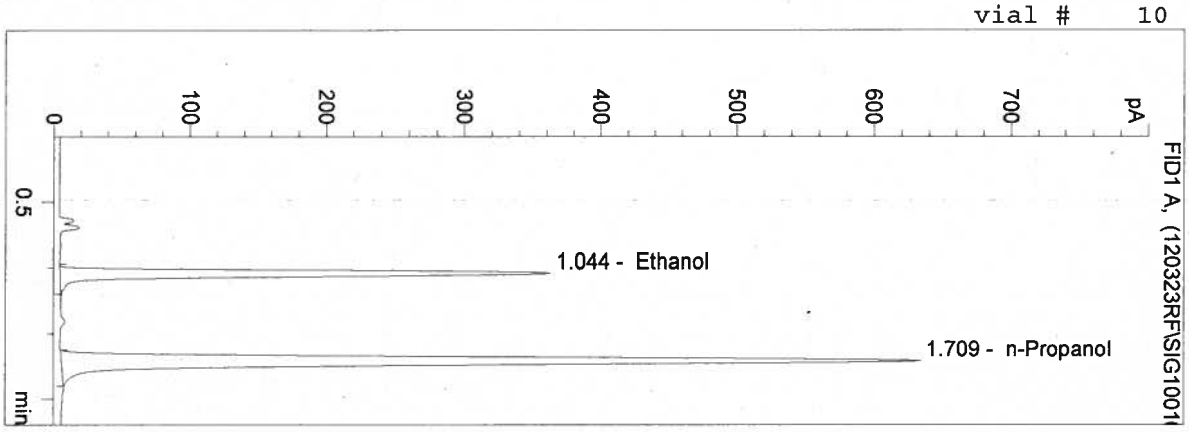
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:26:39 AM
Instrument 1
DB-ALC1

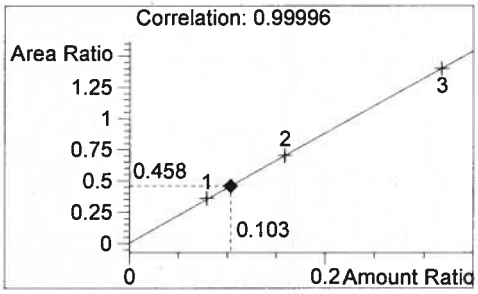
12013 #1
Rebecca Flaherty

vial # 10

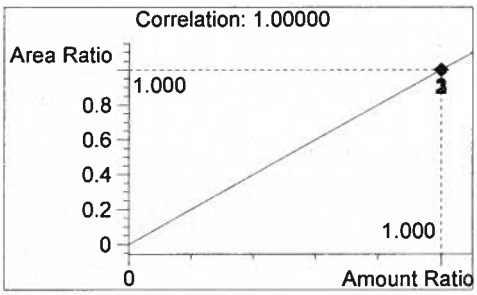


#	Compound	Area	RT
1	Ethanol	1154	1.044
2	n-Propanol	2520	1.709
Tot			

RE



Ethanol 0.103 g/100 mL



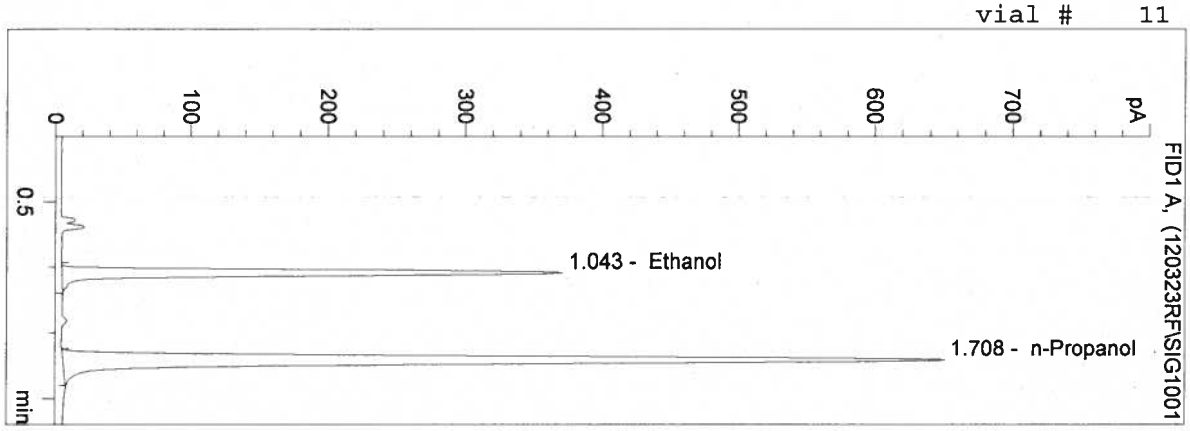
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:29:44 AM
Instrument 1
DB-ALC1

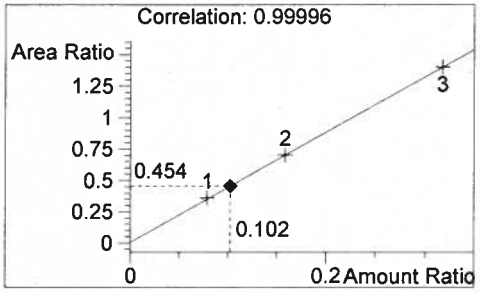
12013 #2
Rebecca Flaherty

vial # 11

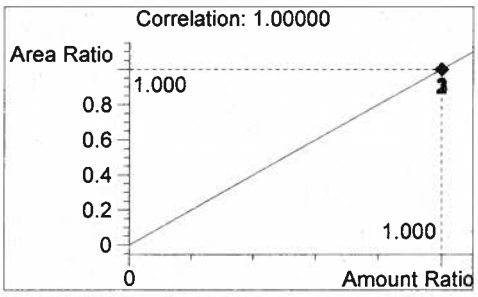


#	Compound	Area	RT
1	Ethanol	1176	1.043
2	n-Propanol	2589	1.708
Tot			

RF



Ethanol 0.102 g/100 mL



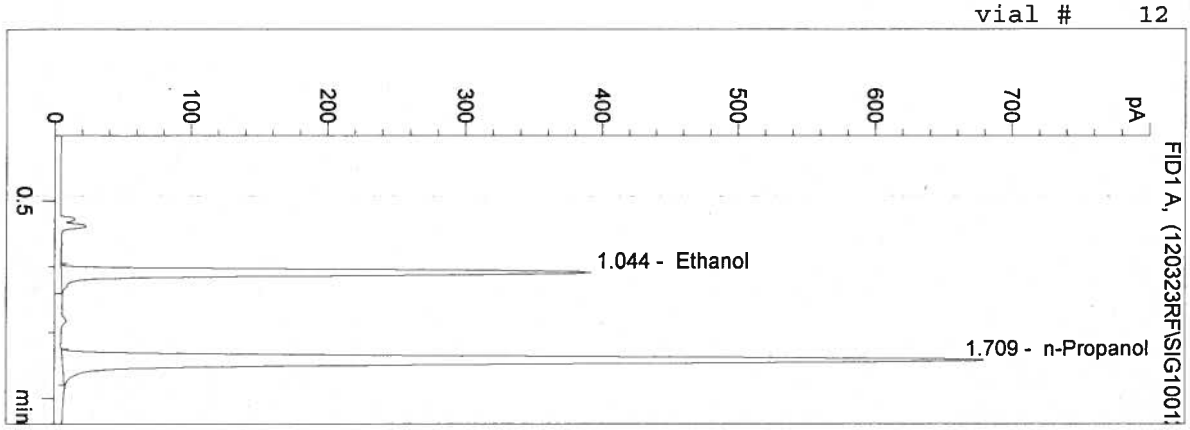
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:32:49 AM
Instrument 1
DB-ALC1

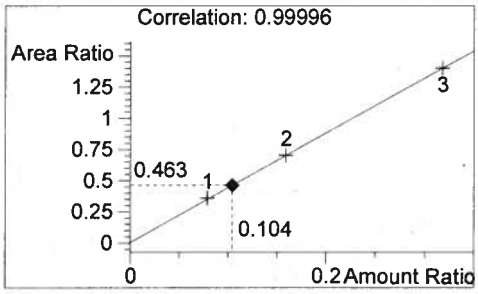
12013 #3
Rebecca Flaherty

vial # 12

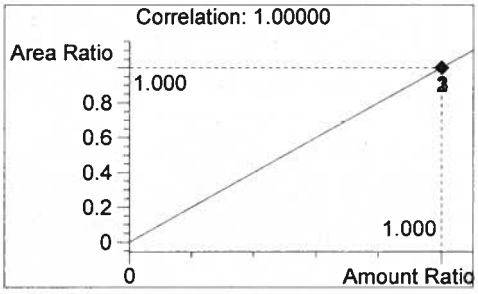


#	Compound	Area	RT
1	Ethanol	1252	1.044
2	n-Propanol	2702	1.709
Tot			

RC



Ethanol 0.104 g/100 mL



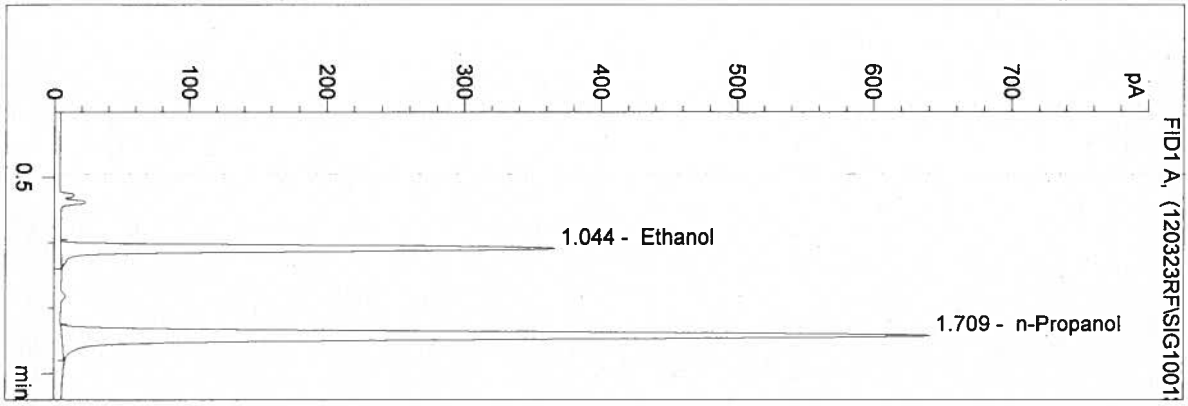
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:35:53 AM
Instrument 1
DB-ALC1

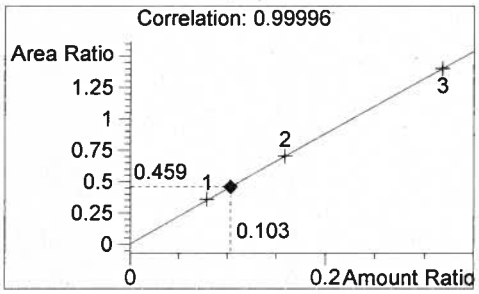
12013 #4
Rebecca Flaherty

vial # 13

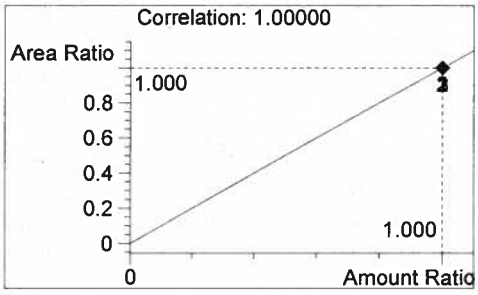


#	Compound	Area	RT
1	Ethanol	1169	1.044
2	n-Propanol	2545	1.709
Tot			

RF



Ethanol 0.103 g/100 mL



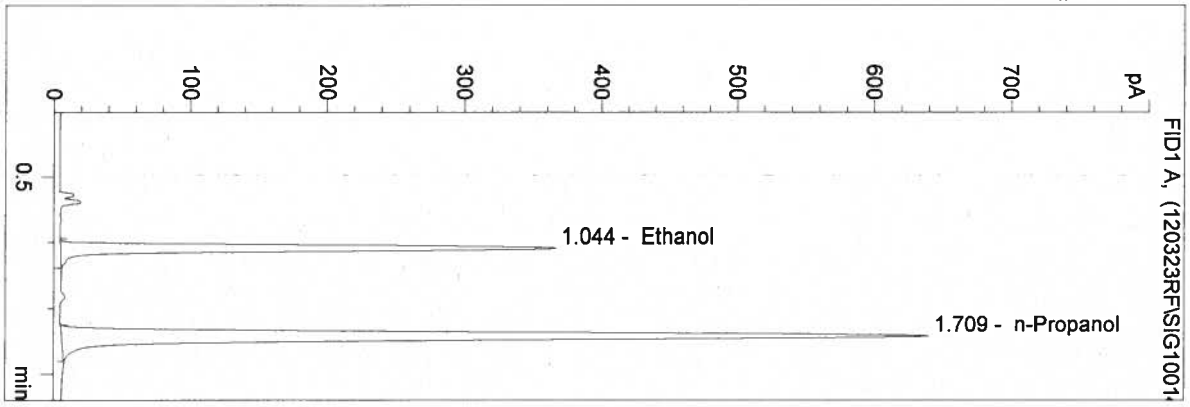
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:38:58 AM
Instrument 1
DB-ALC1

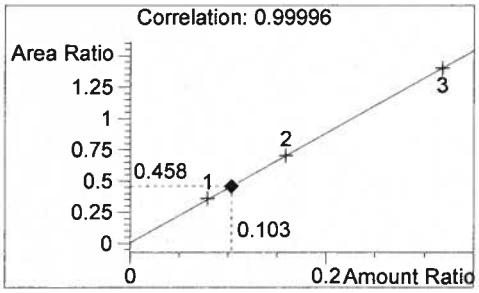
12013 #5
Rebecca Flaherty

vial # 14

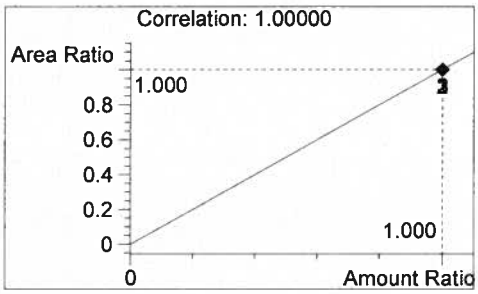


#	Compound	Area	RT
1	Ethanol	1165	1.044
2	n-Propanol	2541	1.709
Tot			

RF



Ethanol 0.103 g/100 mL



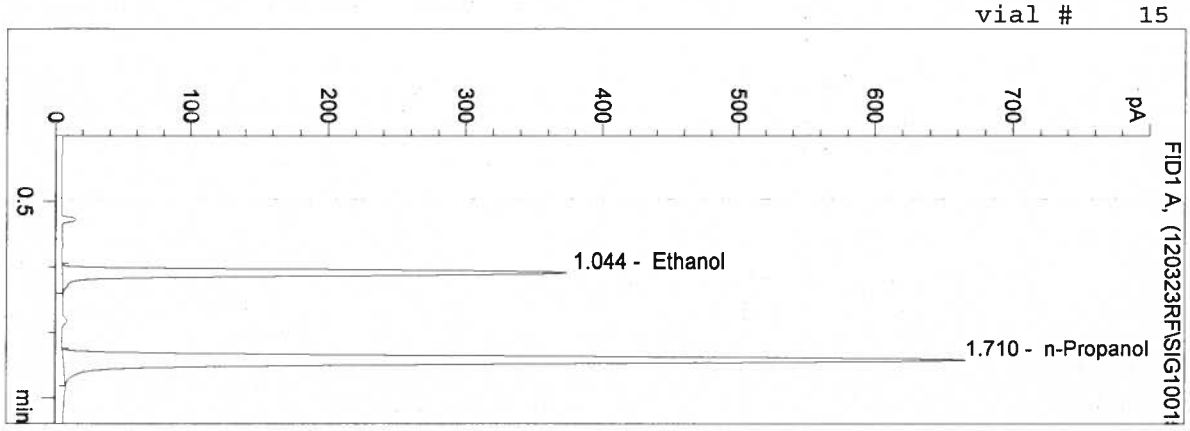
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:42:03 AM
Instrument 1
DB-ALC1

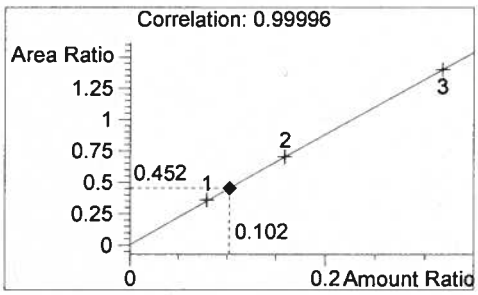
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

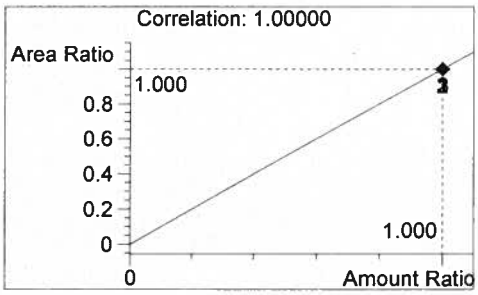


#	Compound	Area	RT
1	Ethanol	1199	1.044
2	n-Propanol	2651	1.710
Tot			

RF



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

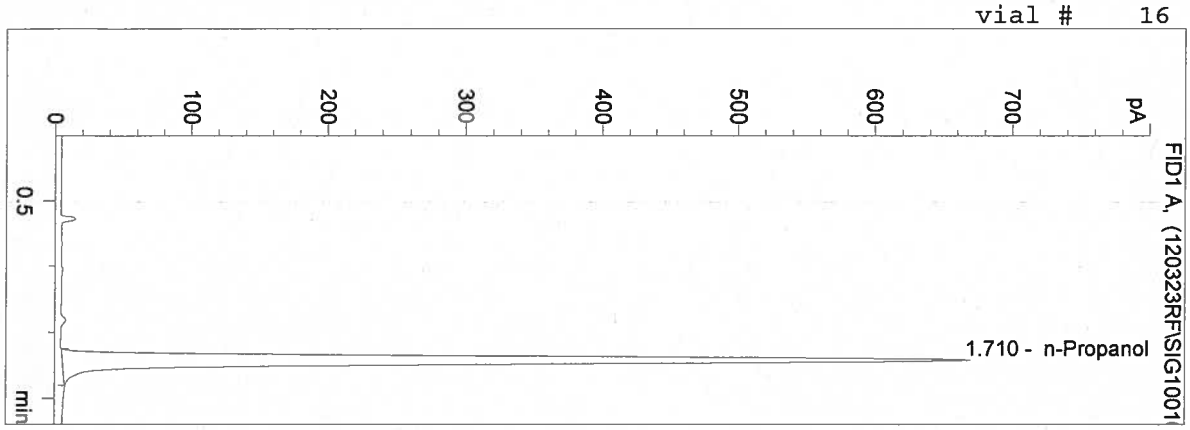
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 9:45:08 AM
Instrument 1
DB-ALC1

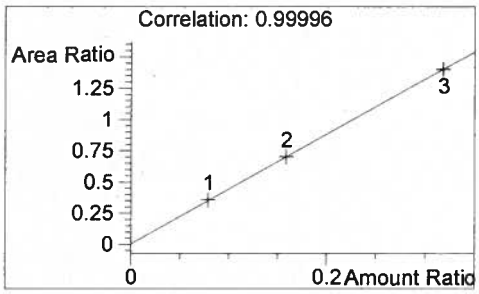
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

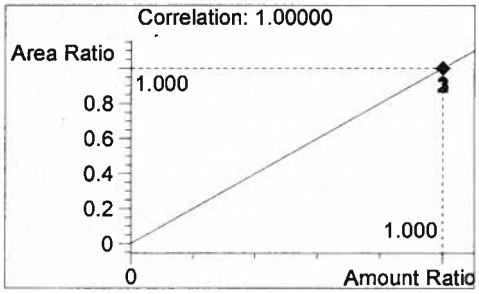


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2671	1.710
Tot			

RF



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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

Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120323CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01
Ethanol Calibrator 2, E0112-02
Ethanol Calibrator 3, E0112-03

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, ~~E1111-01 Exp. 02/10/12~~ E0112-01 exp 4/29/12 CJ 3/26/12
3	Vial 3	Ethanol Calibrator 2, ~~E1111-02 Exp. 02/10/12~~ E0112-02 exp 4/29/12 CJ 3/26
4	Vial 4	Ethanol Calibrator 3, ~~E1111-03 Exp. 02/10/12~~ E0112-03 exp 4/29/12 CJ 3/26
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	

12013

CJ

Sequence: C:\HPCHEM\1\SEQUENCE\CJEXTST1.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-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 12013 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 12013 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 12013 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 12013 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 12013 #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!

12013

CJ

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

Calibration Table

Calib. Data Modified : Friday, March 23, 2012 3:53:05 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.043	1	1	7.90200e-2	886.43121	8.91440e-5	1		Ethanol
		2	1.58720e-1	1779.00830	8.92182e-5			
		3	3.17800e-1	3513.93701	9.04399e-5			
1.707	1	1	1.00000	2479.70996	4.03273e-4	I1		n-Propanol
		2	1.00000	2516.14038	3.97434e-4			
		3	1.00000	2512.79395	3.97963e-4			

Peak Sum Table

No Entries in table

12013

Reprint for 3/23/2012
CJ

CJ

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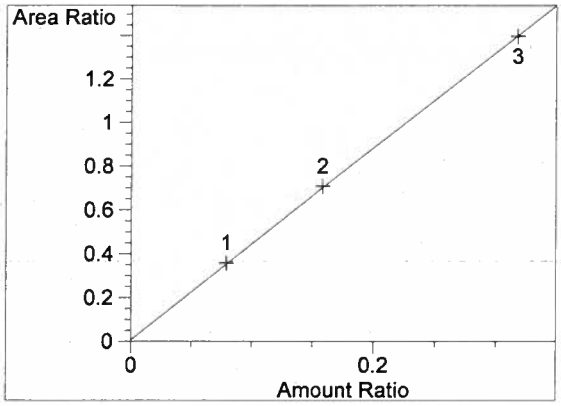
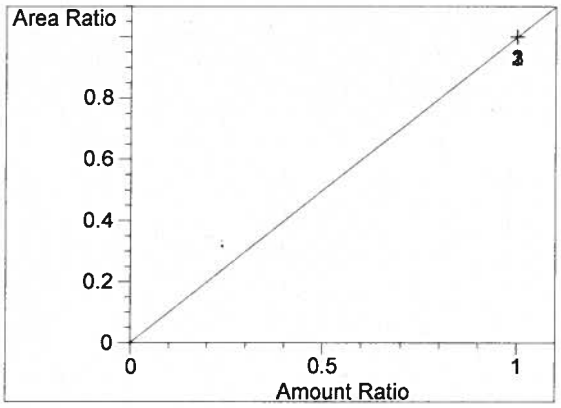
Calibration Curves

==========



Ethanol at exp. RT: 1.043
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00640
Formula: y = mx + b
m: 4.39283
b: 5.63426e-3
x: Amount Ratio
y: Area Ratio



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

==========

12013

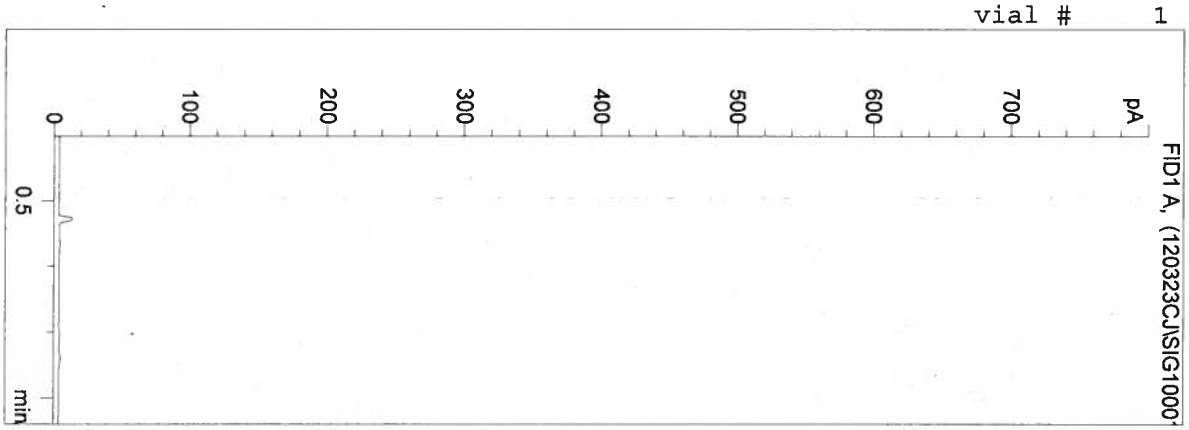
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

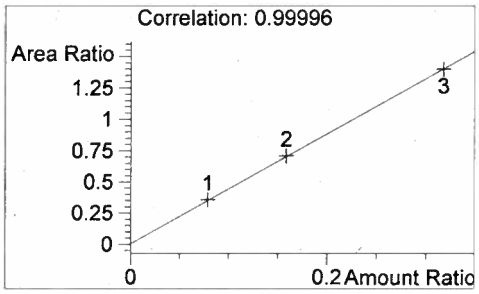
C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 3:41:38 PM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

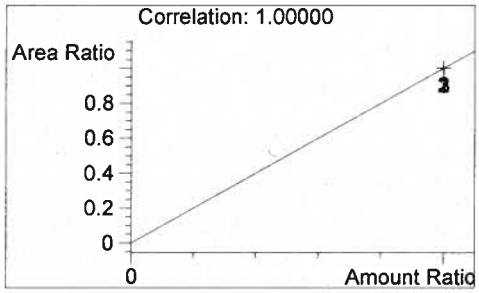
vial # 1



#	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

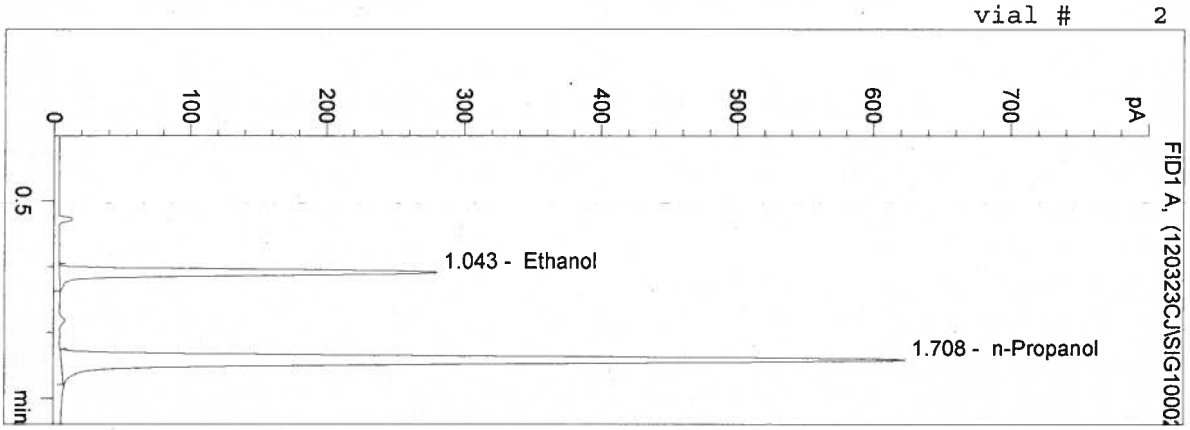
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

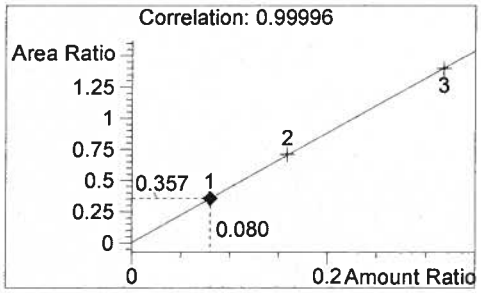
C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 3:44:42 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

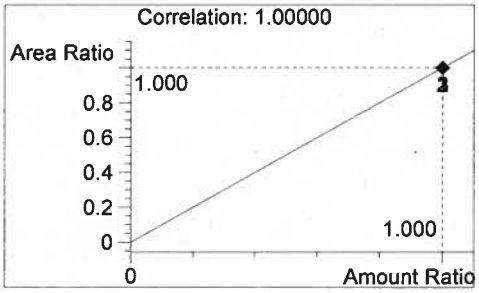
vial # 2



#	Compound	Area	RT
1	Ethanol	886	1.043
2	n-Propanol	2480	1.708
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

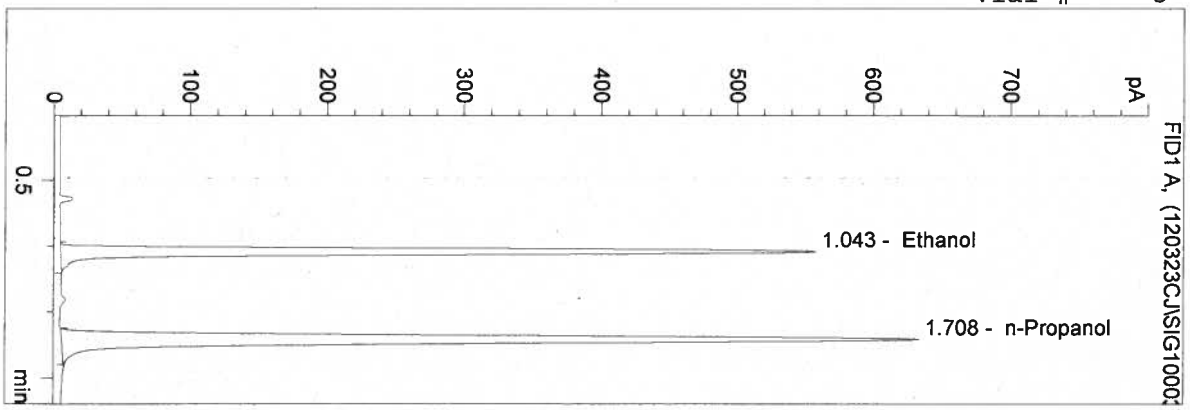
12013

WASHINGTON STATE TOXICOLOGY LABORATORY

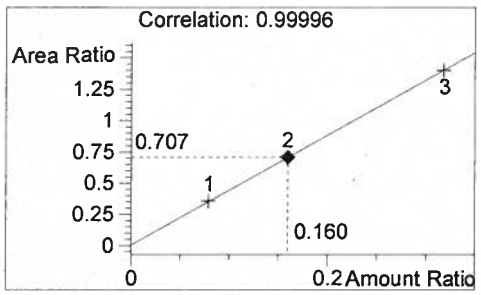
C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 3:47:47 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

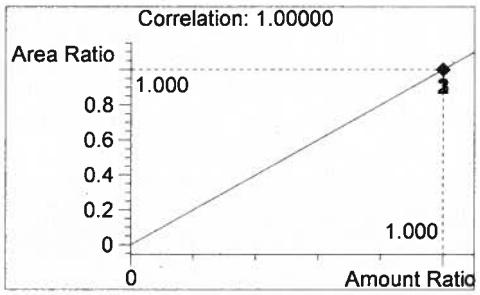
vial # 3



#	Compound	Area	RT
1	Ethanol	1779	1.043
2	n-Propanol	2516	1.708
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

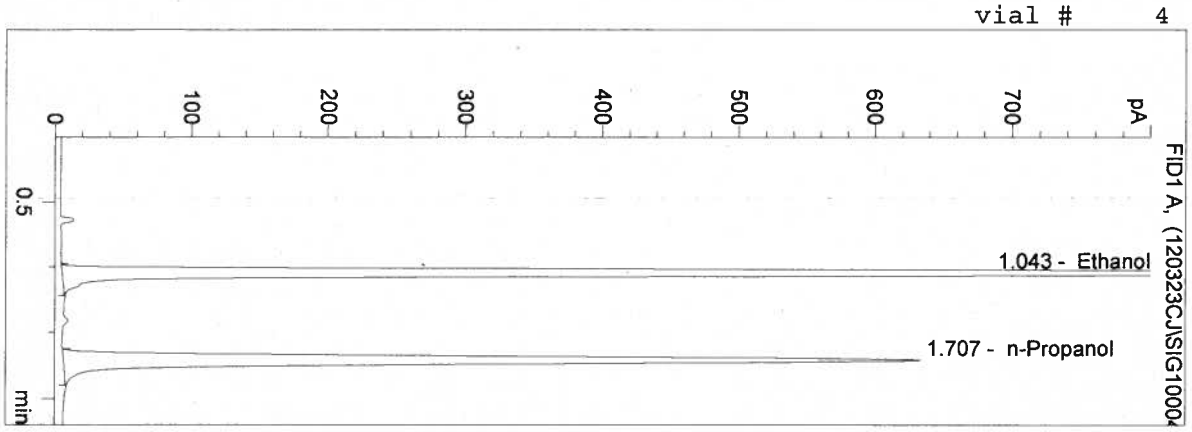
12013 C

WASHINGTON STATE TOXICOLOGY LABORATORY

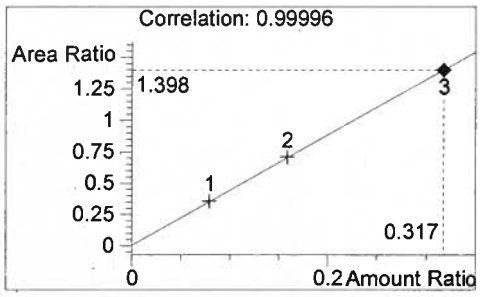
C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 3:50:52 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

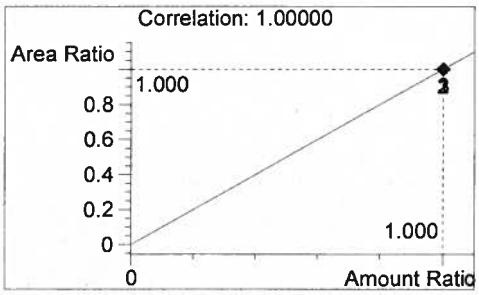
vial # 4



#	Compound	Area	RT
1	Ethanol	3514	1.043
2	n-Propanol	2513	1.707
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

12013

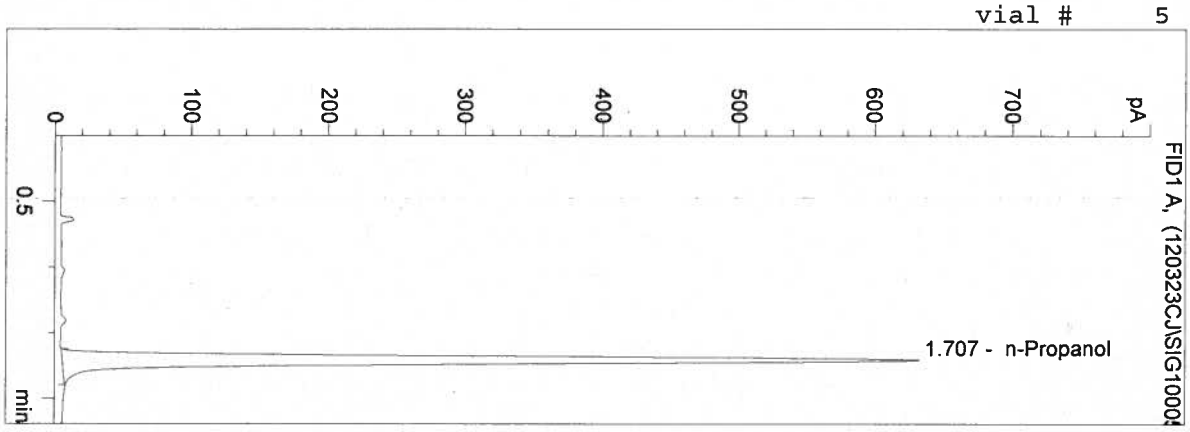
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

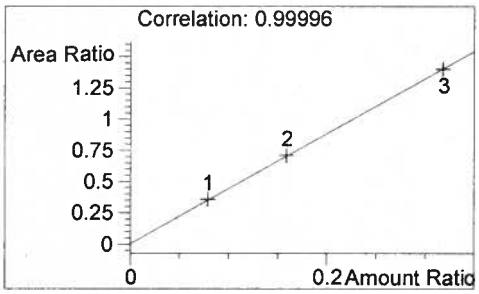
C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 3:53:56 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

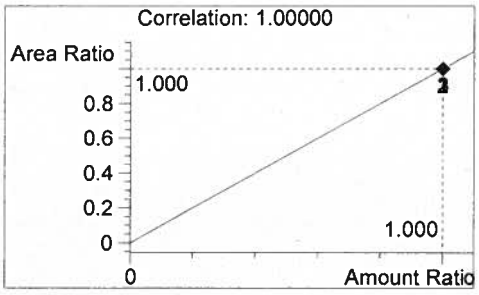
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2515	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

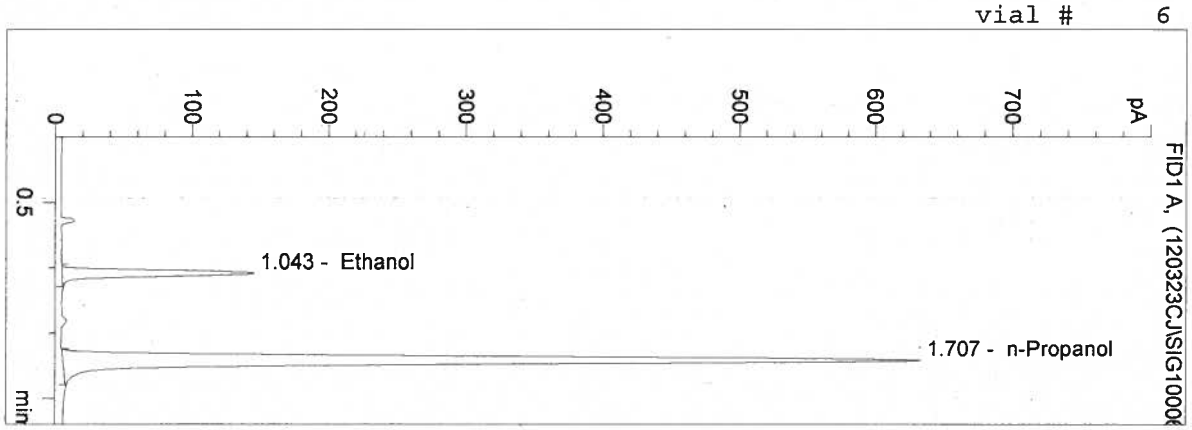
12013 CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

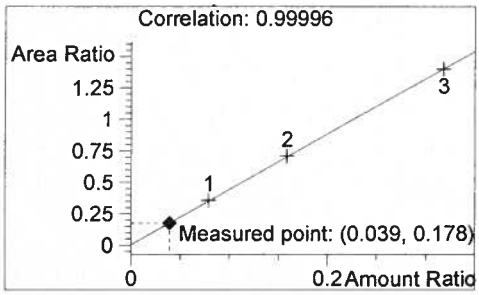
C:\HPCHEM\1\METHODS\SIMALC1.M
3/23/2012 3:57:01 PM
Instrument 1
DB-ALC1

0.04 CTRL-CJ
Chris Johnston

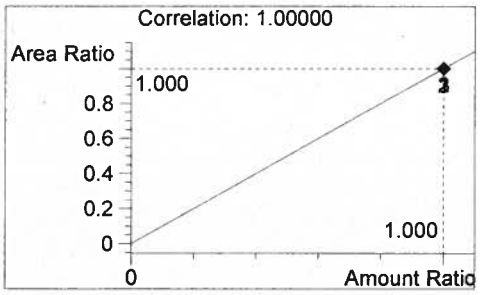
vial # 6



#	Compound	Area	RT
1	Ethanol	447	1.043
2	n-Propanol	2515	1.707
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12013 C

WASHINGTON STATE TOXICOLOGY LABORATORY

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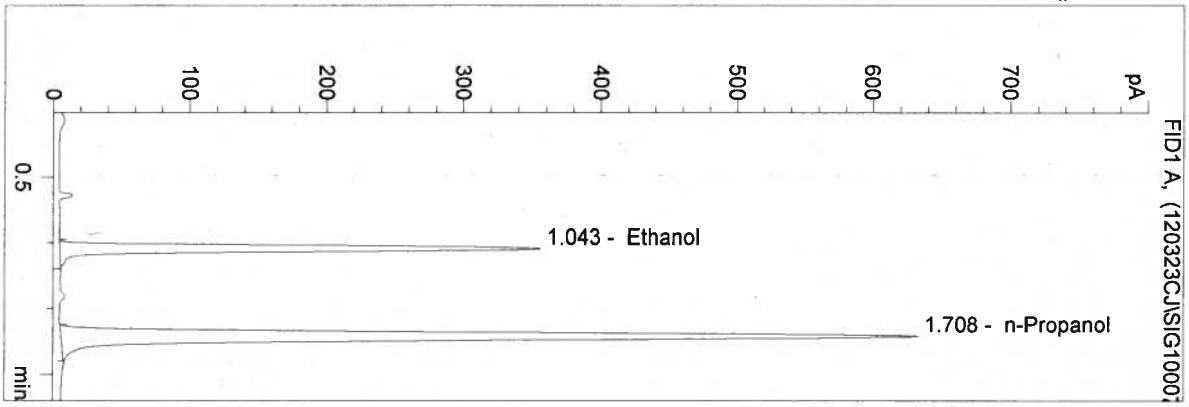
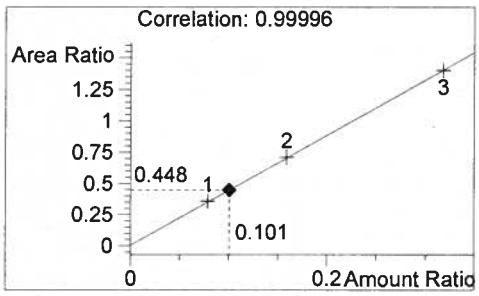
3/23/2012 4:00:05 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

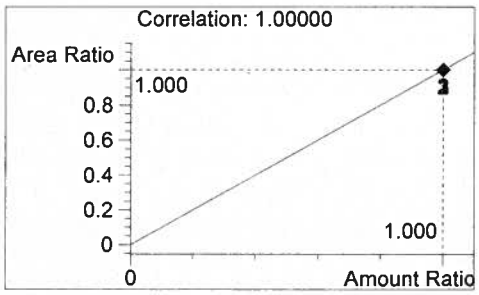
vial # 7



#	Compound	Area	RT
1	Ethanol	1127	1.043
2	n-Propanol	2517	1.708
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12013 CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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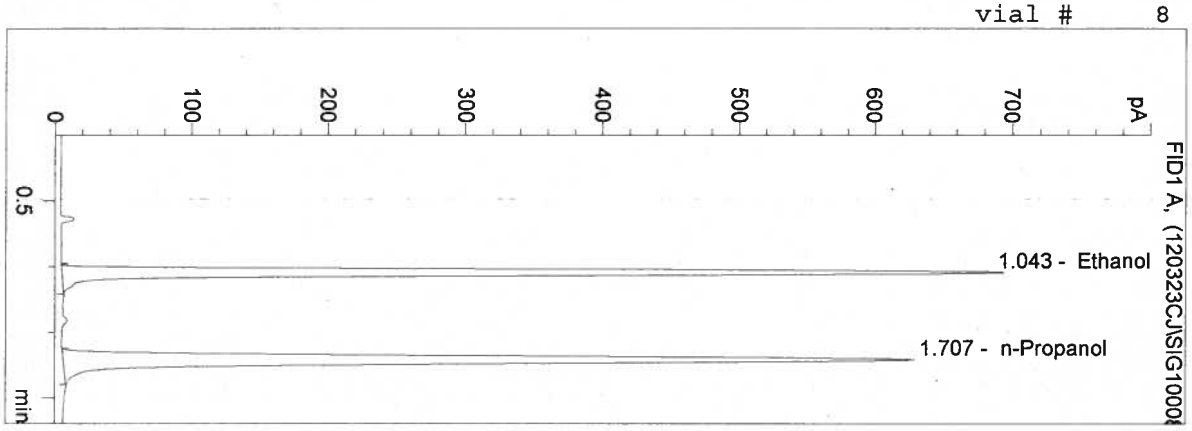
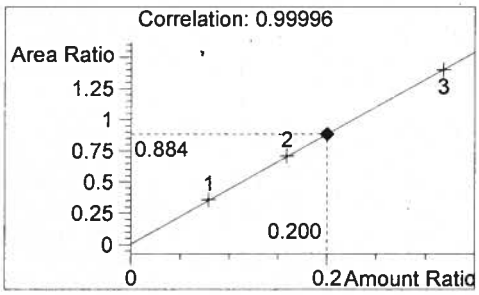
3/23/2012 4:03:10 PM
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

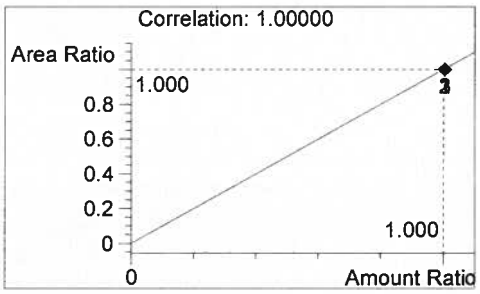
vial # 8



#	Compound	Area	RT
1	Ethanol	2210	1.043
2	n-Propanol	2500	1.707
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

12013

CJ

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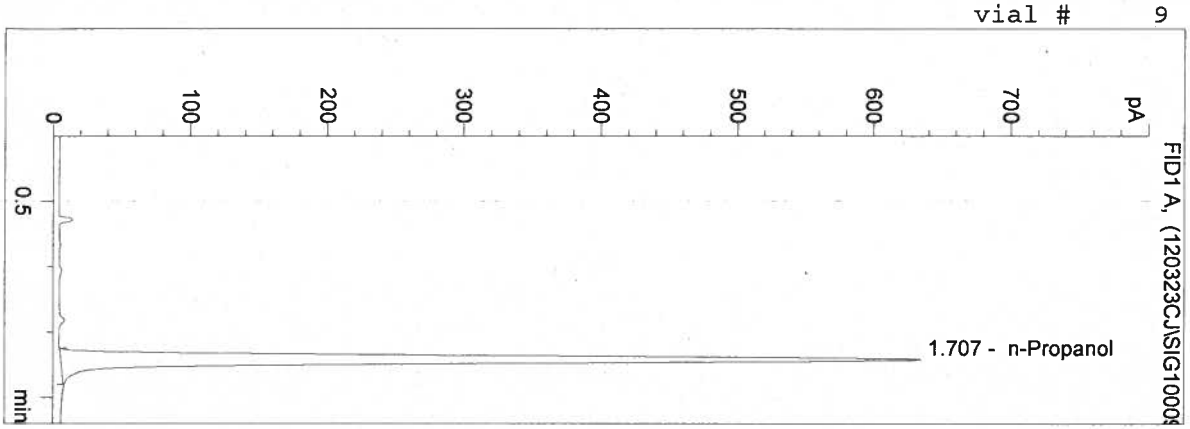
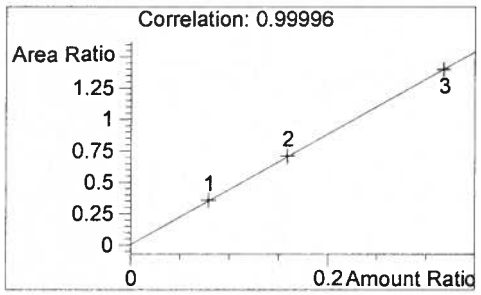
3/23/2012 4:06:15 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

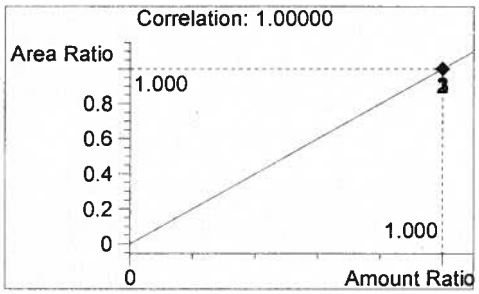
vial # 9



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013 CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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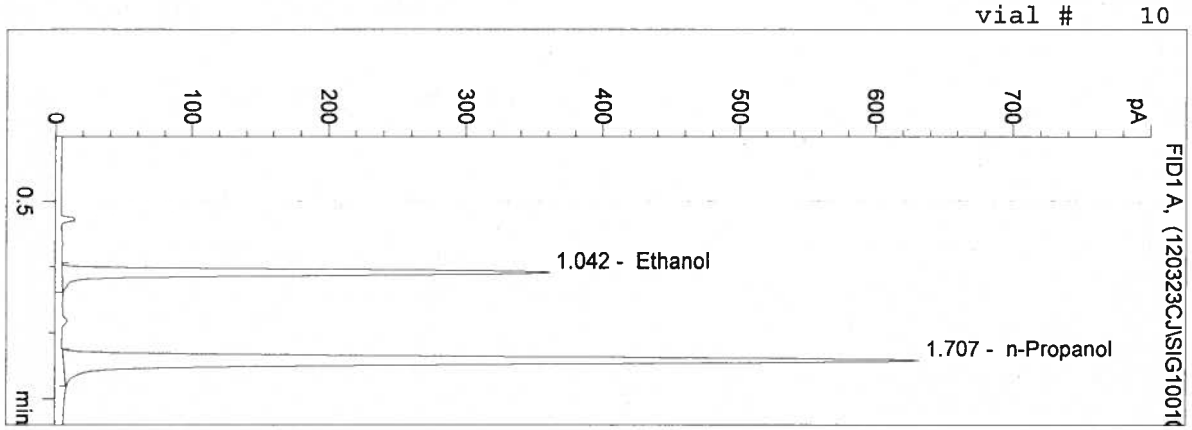
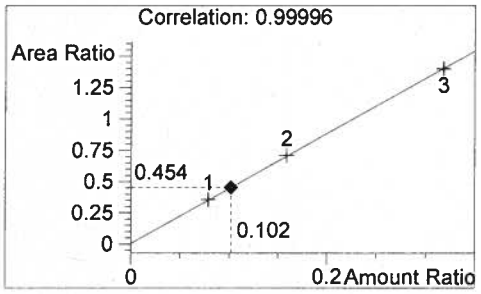
3/23/2012 4:09:20 PM
Instrument 1
DB-ALC1

ESS 12013 #1
Chris Johnston

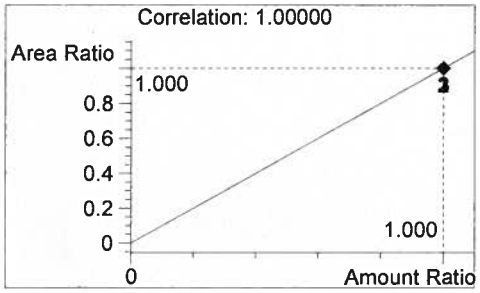
vial # 10



#	Compound	Area	RT
1	Ethanol	1142	1.042
2	n-Propanol	2515	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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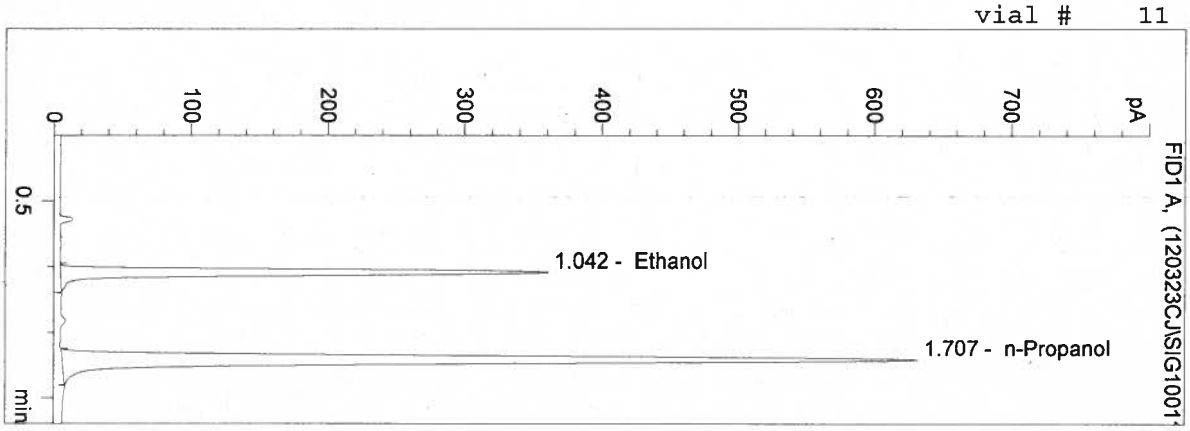
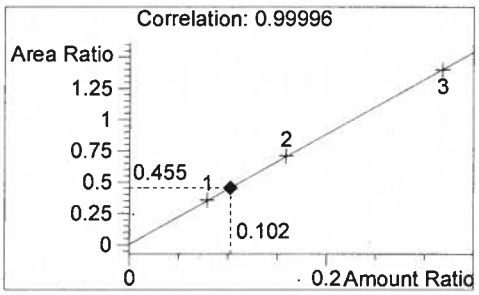
3/23/2012 4:12:24 PM
Instrument 1
DB-ALC1

ESS 12013 #2
Chris Johnston

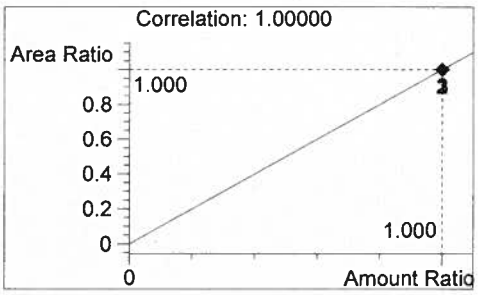
vial # 11



#	Compound	Area	RT
1	Ethanol	1143	1.042
2	n-Propanol	2513	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

G

WASHINGTON STATE TOXICOLOGY LABORATORY

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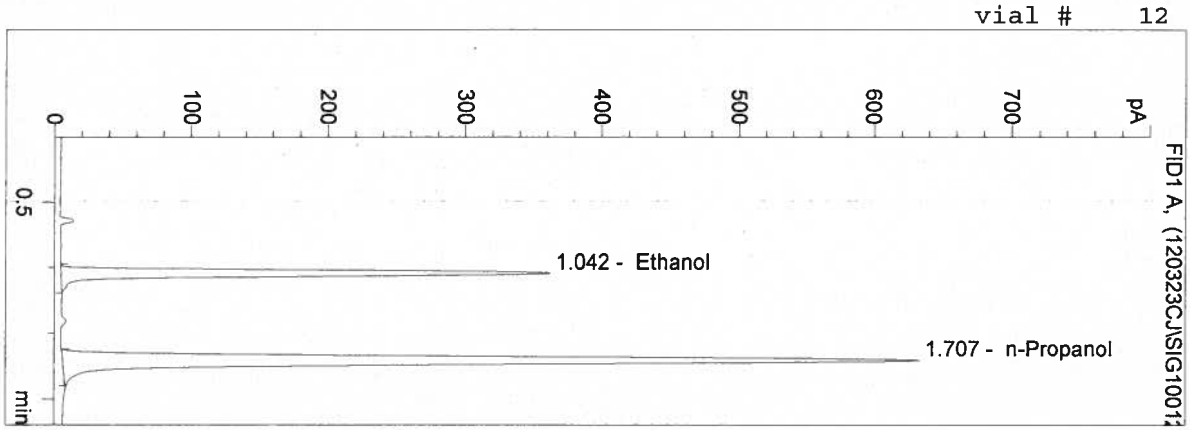
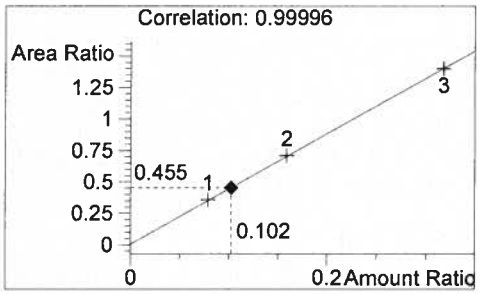
3/23/2012 4:15:29 PM
Instrument 1
DB-ALC1

ESS 12013 #3
Chris Johnston

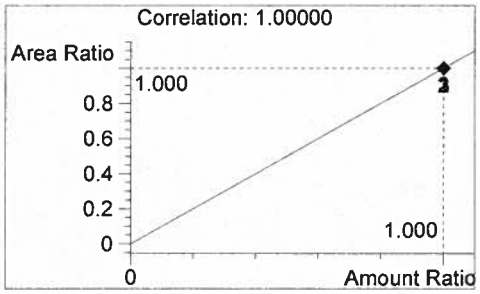
vial # 12



#	Compound	Area	RT
1	Ethanol	1142	1.042
2	n-Propanol	2513	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

cd

WASHINGTON STATE TOXICOLOGY LABORATORY

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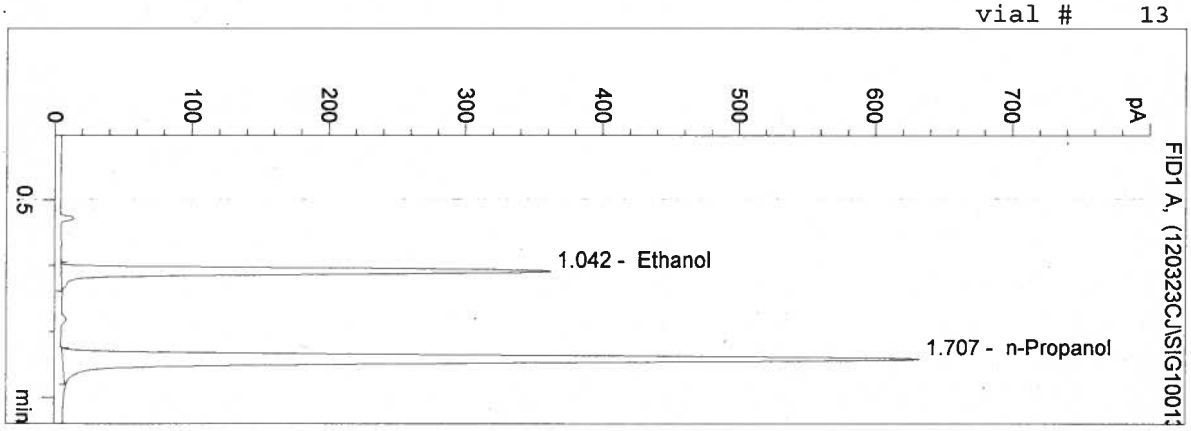
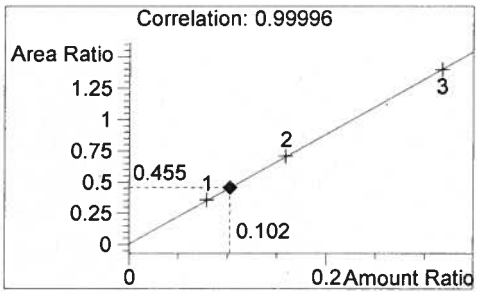
3/23/2012 4:18:34 PM
Instrument 1
DB-ALC1

ESS 12013 #4
Chris Johnston

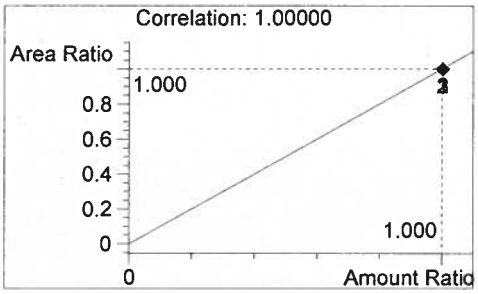
vial # 13



#	Compound	Area	RT
1	Ethanol	1145	1.042
2	n-Propanol	2515	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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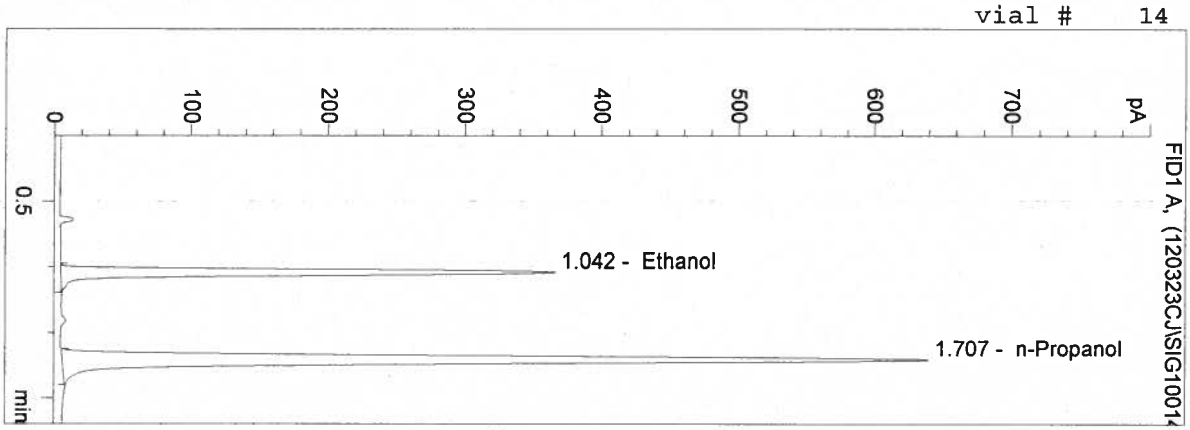
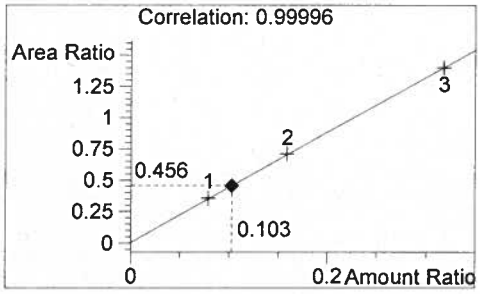
3/23/2012 4:21:38 PM
Instrument 1
DB-ALC1

ESS 12013 #5
Chris Johnston

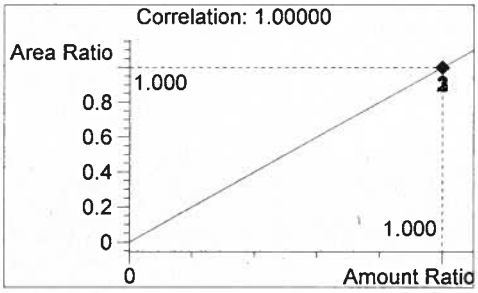
vial # 14



#	Compound	Area	RT
1	Ethanol	1159	1.042
2	n-Propanol	2541	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

a

WASHINGTON STATE TOXICOLOGY LABORATORY

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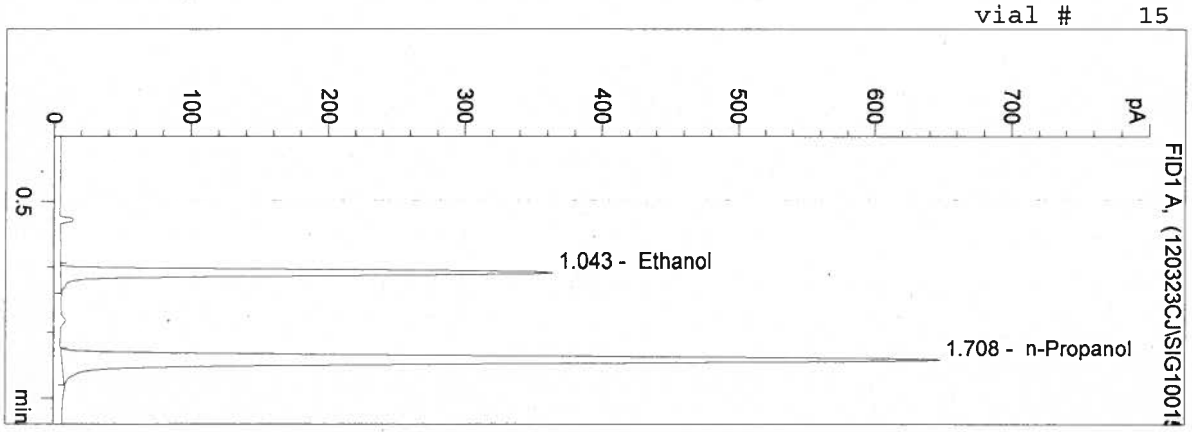
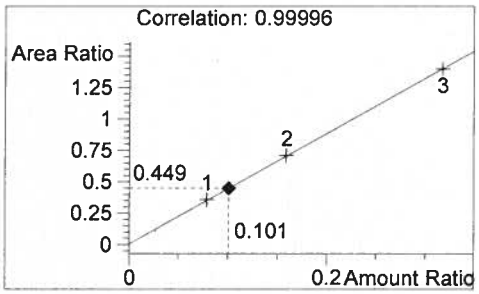
3/23/2012 4:24:43 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

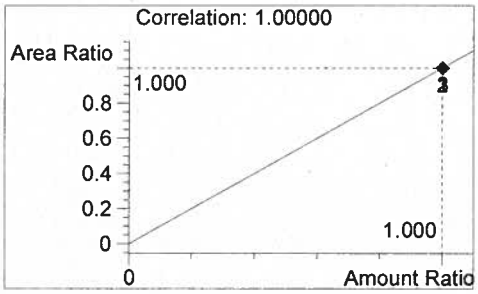
vial # 15



#	Compound	Area	RT
1	Ethanol	1156	1.043
2	n-Propanol	2576	1.708
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12013

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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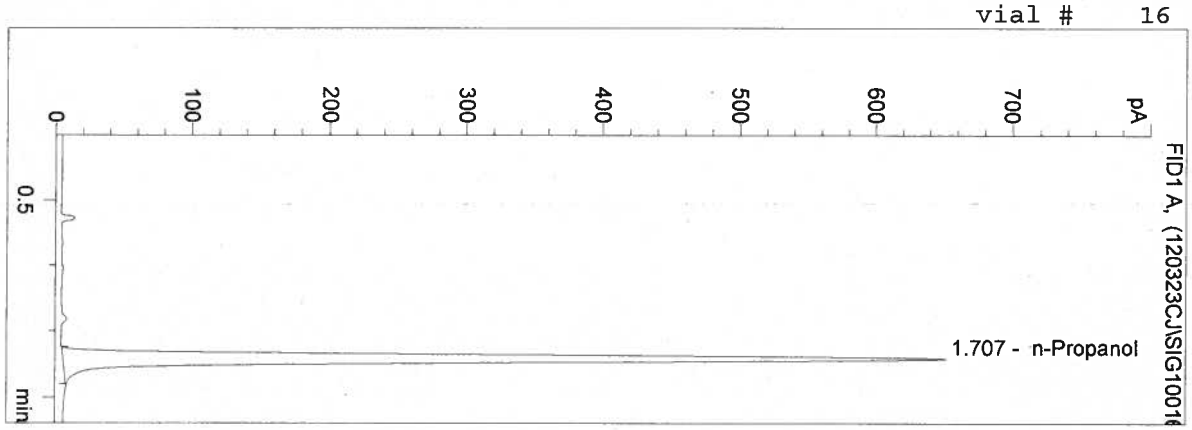
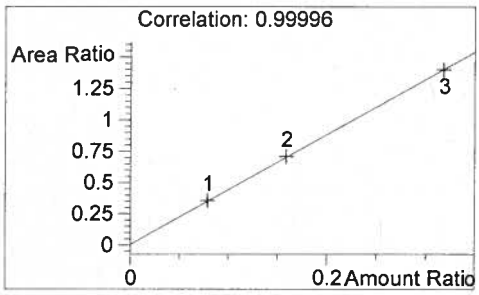
3/23/2012 4:27:48 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

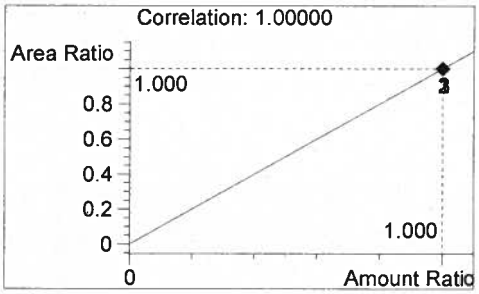
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2596	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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:	120326DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 Lot# E0112-01 Exp 04/29/2012
Cal 2 Lot# E0112-02 Exp 04/29/2012
Cal 3 Lot# E0112-03 Exp 04/29/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E0112-01 Exp 04/29/2012
3	Vial 3	Lot# E0112-02 Exp 04/29/2012
4	Vial 4	Lot# E0112-03 Exp 04/29/2012
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	

12013

DC

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

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

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DC	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DC	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DC	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DC	SIMALC1	1	Ctrl Samp		
10	Vial 10	12013 #1	SIMALC1	1	Sample		
11	Vial 11	12013 #2	SIMALC1	1	Sample		
12	Vial 12	12013 #3	SIMALC1	1	Sample		
13	Vial 13	12013 #4	SIMALC1	1	Sample		
14	Vial 14	12013 #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!

12013

DC

Calibration Table

Calib. Data Modified : Monday, March 26, 2012 9:21:38 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	7.90200e-2	883.51660	8.94380e-5		1	Ethanol
		2	1.58720e-1	1799.25146	8.82145e-5			
		3	3.17800e-1	3536.12891	8.98723e-5			
1.707	1	1	1.00000	2498.41528	4.00254e-4	I1		n-Propanol
		2	1.00000	2520.04565	3.96818e-4			
		3	1.00000	2506.17725	3.99014e-4			

Peak Sum Table

No Entries in table

12013

DC

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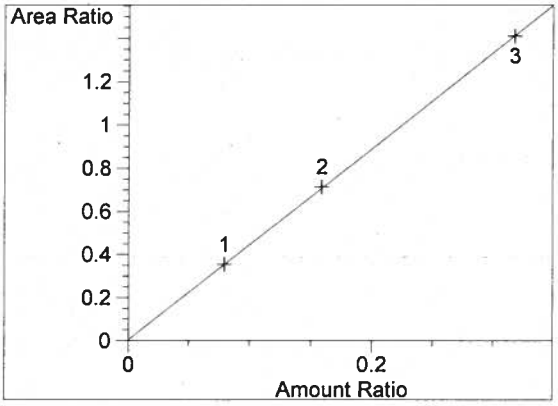
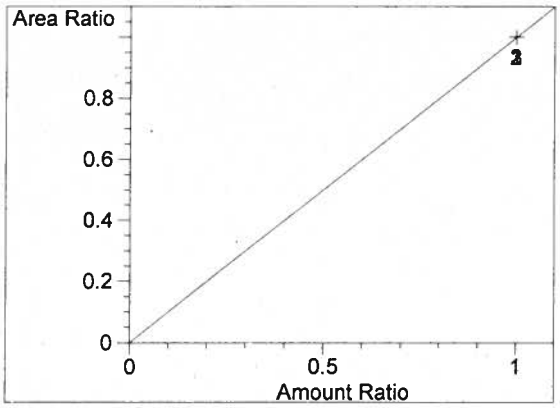
Calibration Curves

==========



Ethanol at exp. RT: 1.043
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00537
Formula: y = mx + b
m: 4.44009
b: 2.98058e-3
x: Amount Ratio
y: Area Ratio



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

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1 2013

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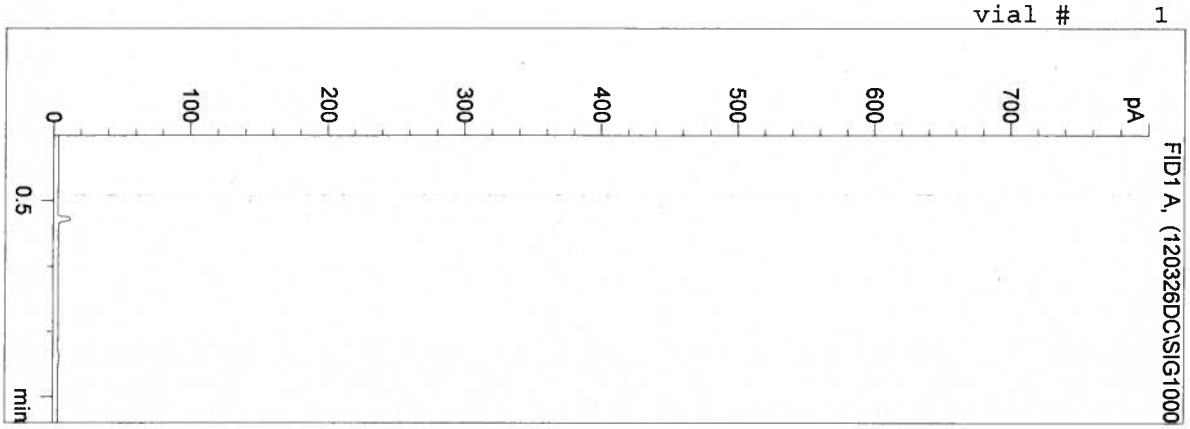
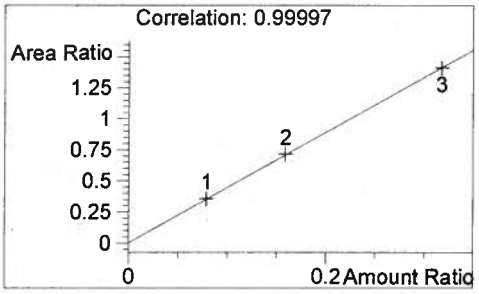
3/26/2012 9:10:11 AM
Instrument 1
DB-ALC1

BLANK
Dawn Cox

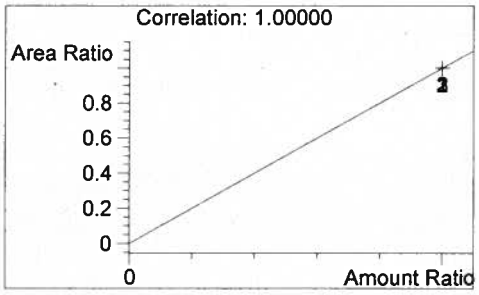
vial # 1



#	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

12013

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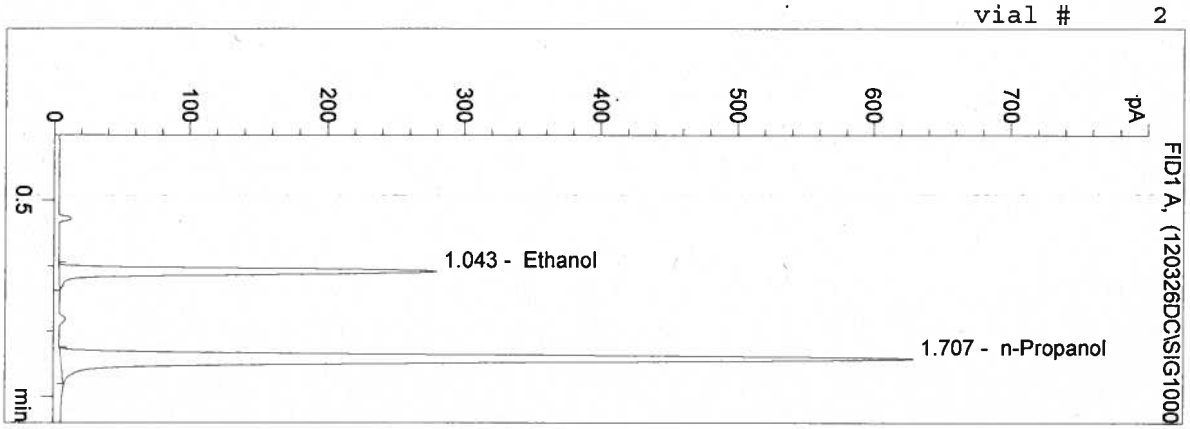
WASHINGTON STATE TOXICOLOGY LABORATORY

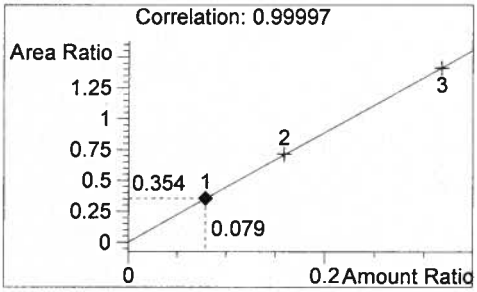
C:\HPCHEM\1\METHODS\SIMALC1.M
3/26/2012 9:13:16 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Dawn Cox

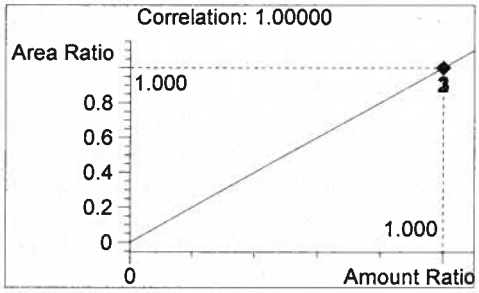
vial # 2



#	Compound	Area	RT
1	Ethanol	884	1.043
2	n-Propanol	2498	1.707
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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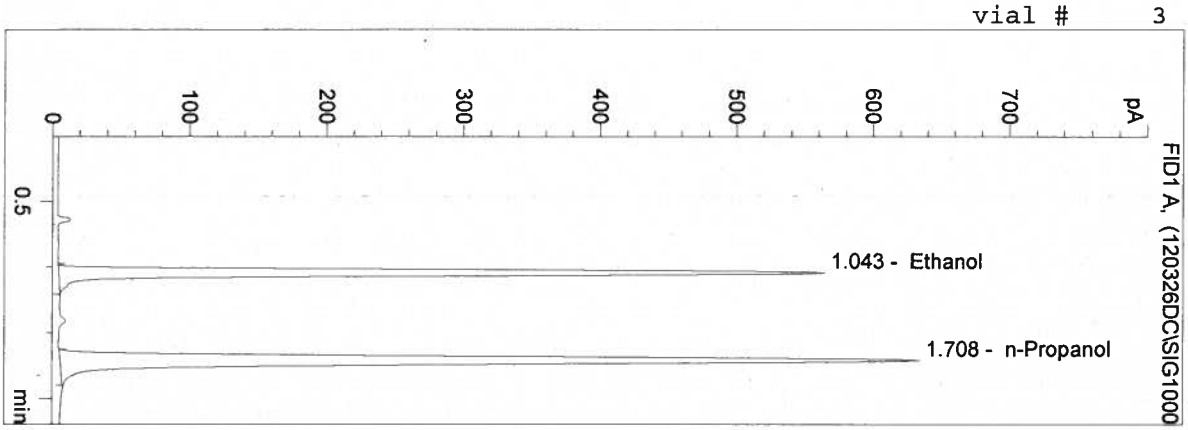
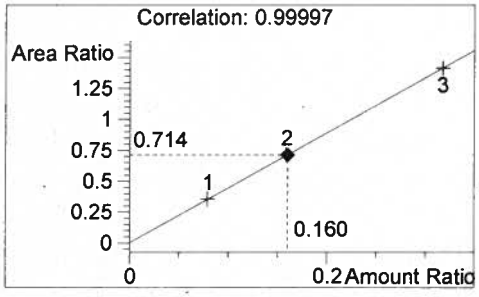
3/26/2012 9:16:21 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Dawn Cox

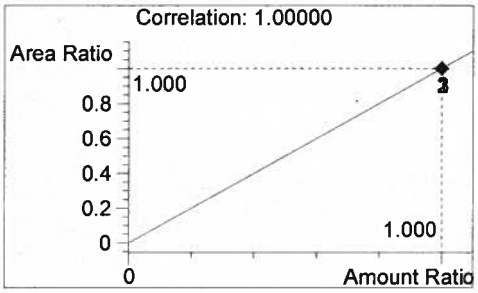
vial # 3



#	Compound	Area	RT
1	Ethanol	1799	1.043
2	n-Propanol	2520	1.708
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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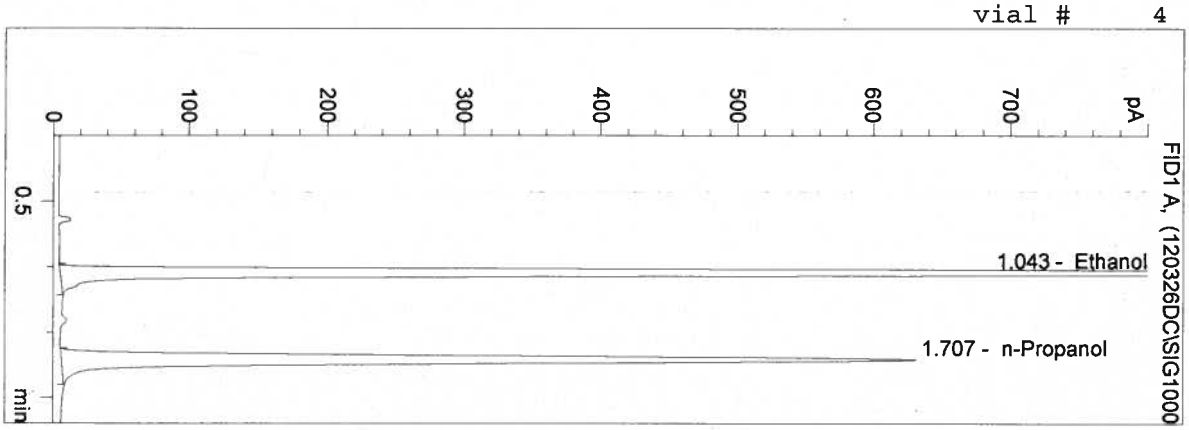
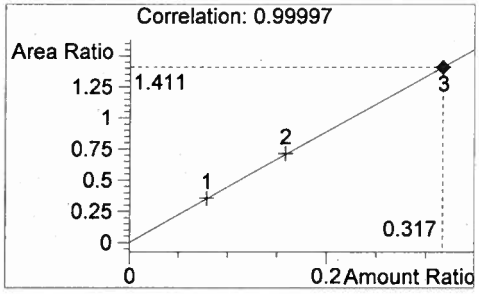
3/26/2012 9:19:25 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Dawn Cox

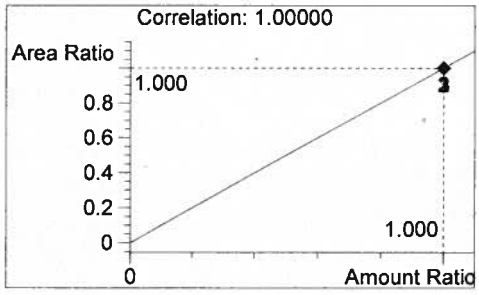
vial # 4



#	Compound	Area	RT
1	Ethanol	3536	1.043
2	n-Propanol	2506	1.707
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

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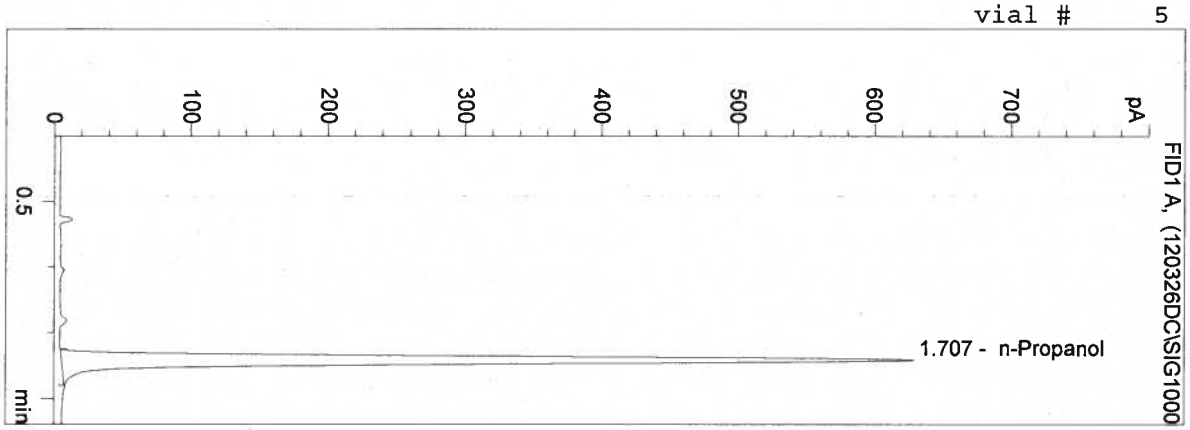
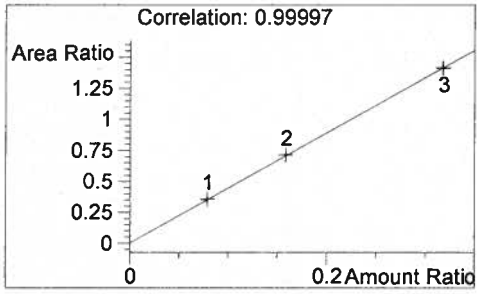
3/26/2012 9:22:30 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

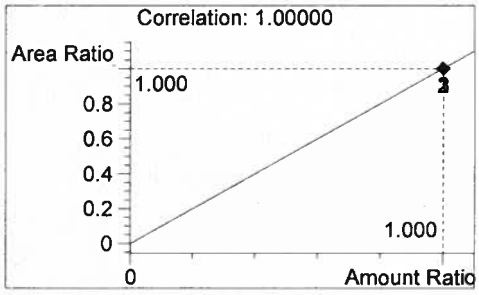
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2499	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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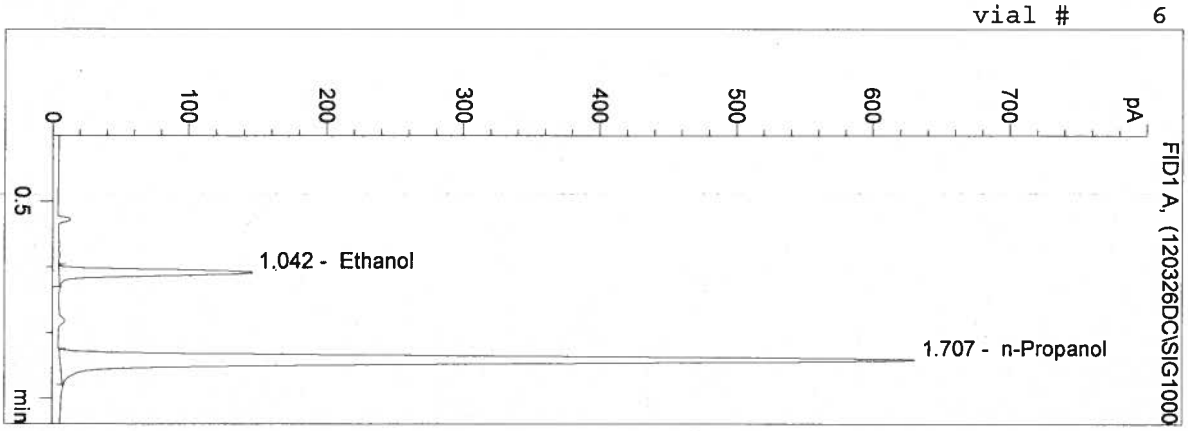
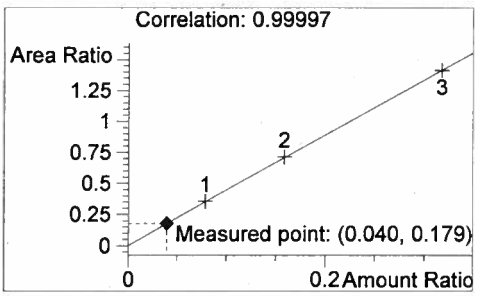
3/26/2012 9:25:35 AM
Instrument 1
DB-ALC1

0.04 CTRL-DC
Dawn Cox

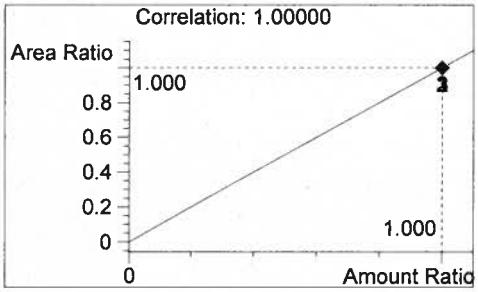
vial # 6



#	Compound	Area	RT
1	Ethanol	450	1.042
2	n-Propanol	2509	1.707
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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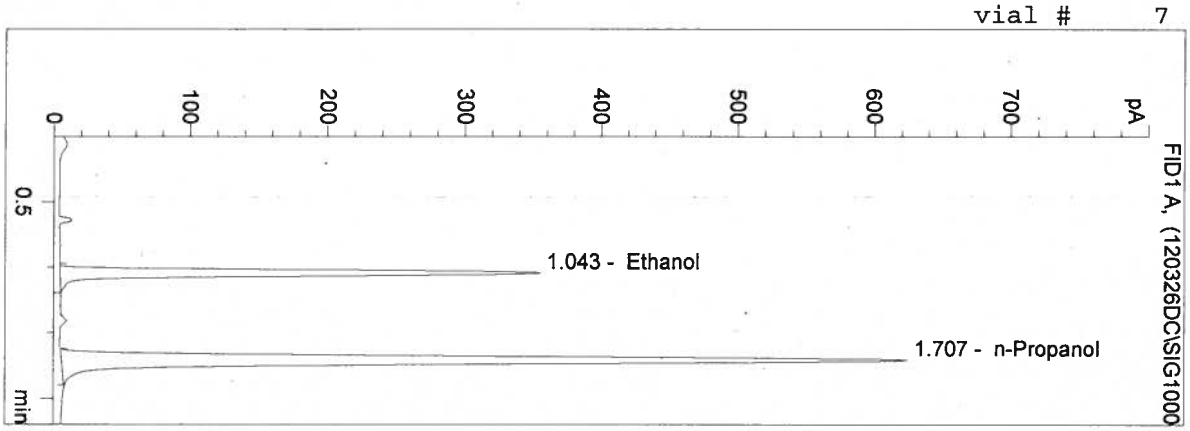
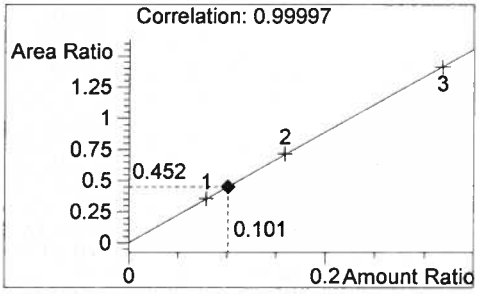
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

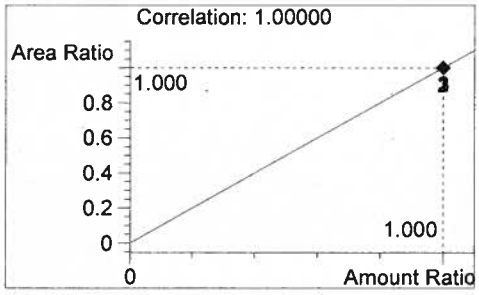
vial # 7



#	Compound	Area	RT
1	Ethanol	1124	1.043
2	n-Propanol	2489	1.707
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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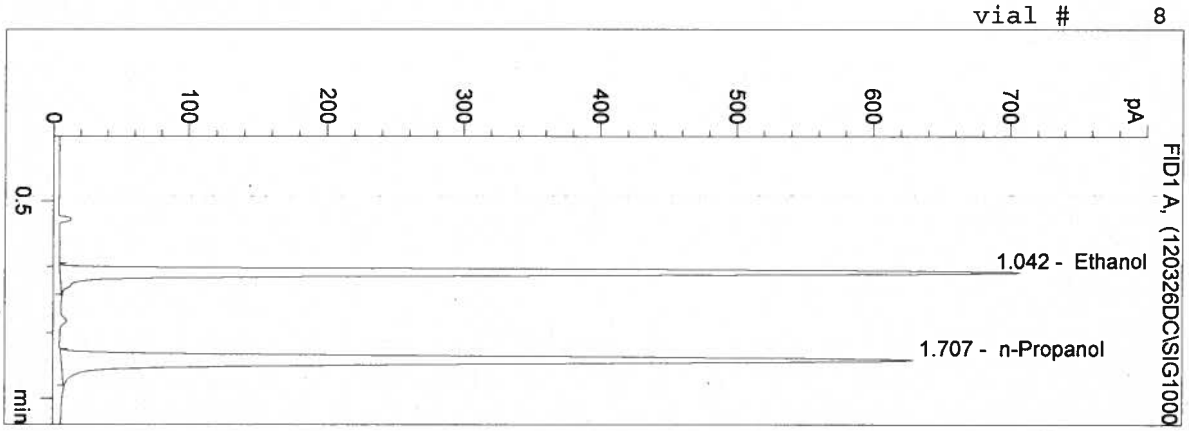
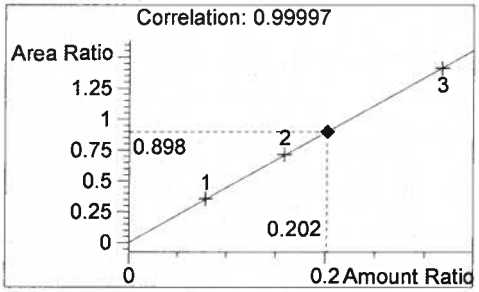
Instrument 1
DB-ALC1

0.20 CTRL-DC
Dawn Cox

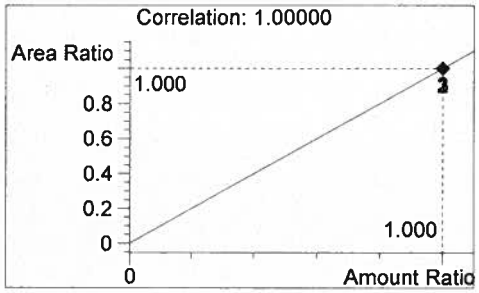
vial # 8



#	Compound	Area	RT
1	Ethanol	2244	1.042
2	n-Propanol	2498	1.707
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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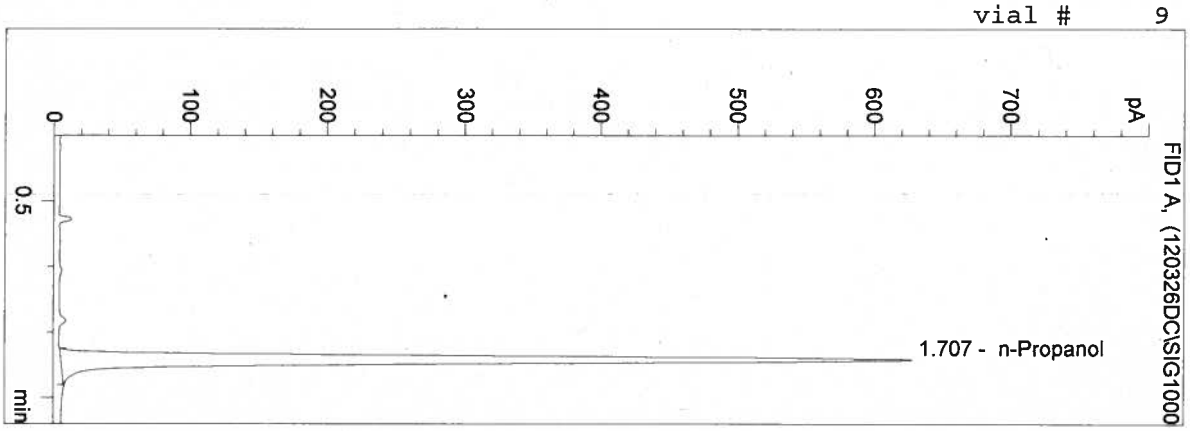
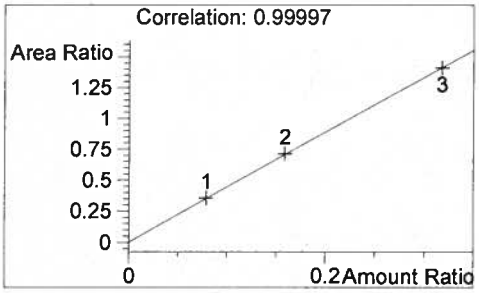
3/26/2012 9:34:49 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

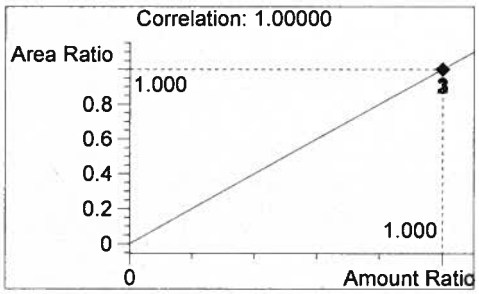
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2498	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12013

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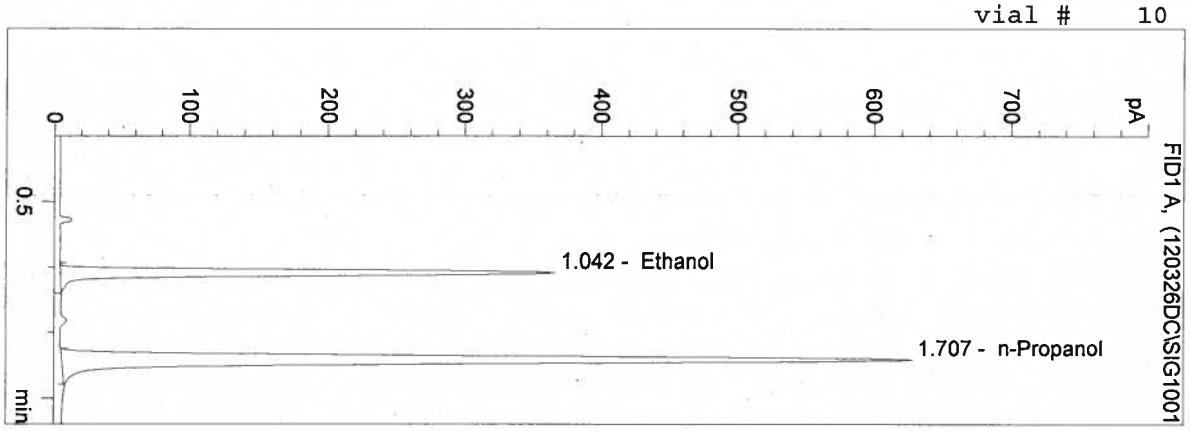
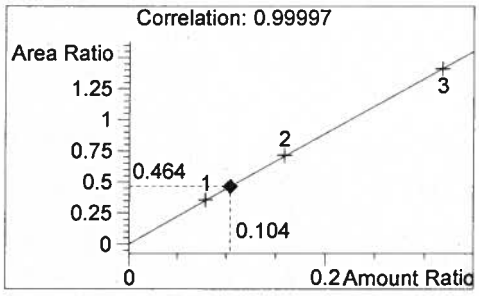
3/26/2012 9:37:54 AM
Instrument 1
DB-ALC1

12013 #1
Dawn Cox

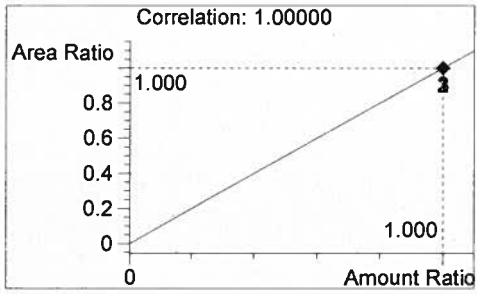
vial # 10



#	Compound	Area	RT
1	Ethanol	1158	1.042
2	n-Propanol	2494	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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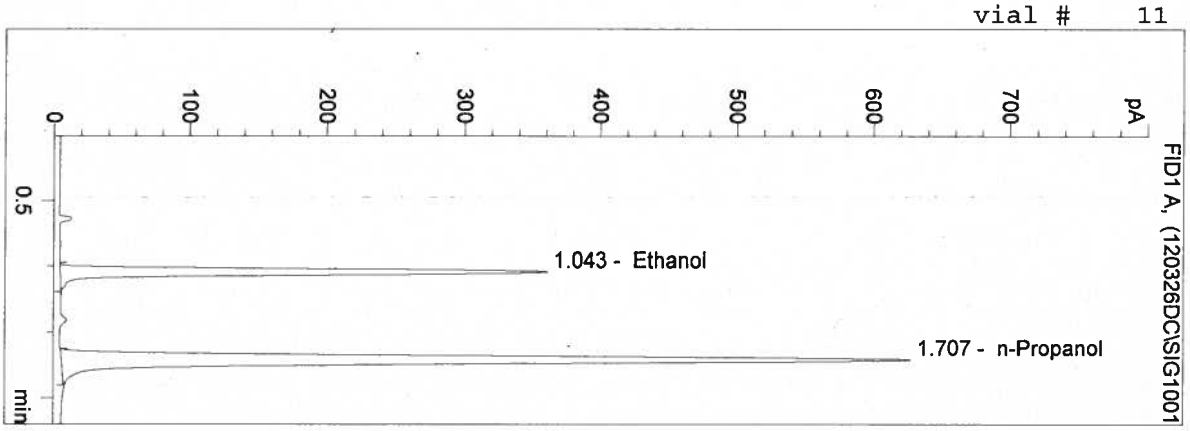
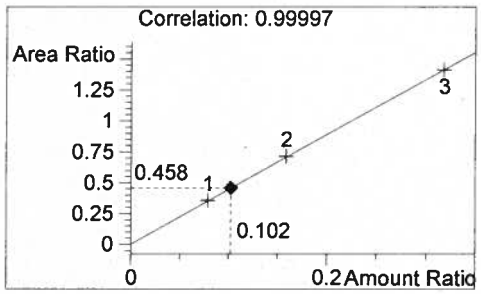
Instrument 1
DB-ALC1

12013 #2
Dawn Cox

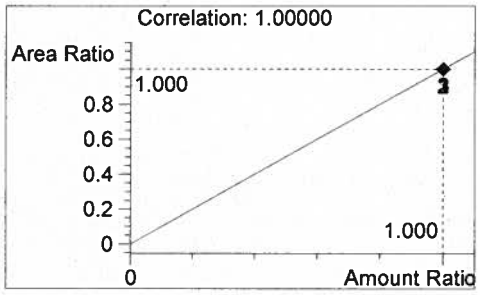
vial # 11



#	Compound	Area	RT
1	Ethanol	1142	1.043
2	n-Propanol	2493	1.707
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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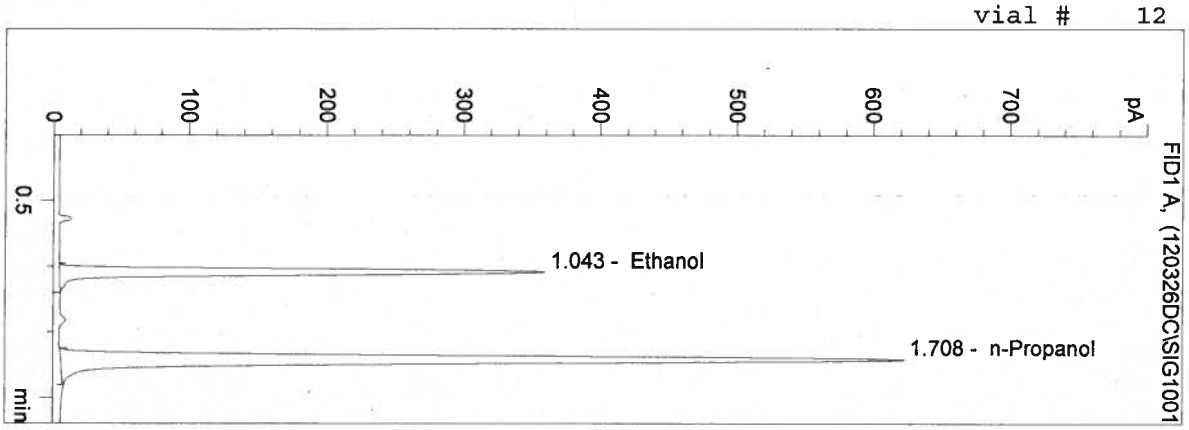
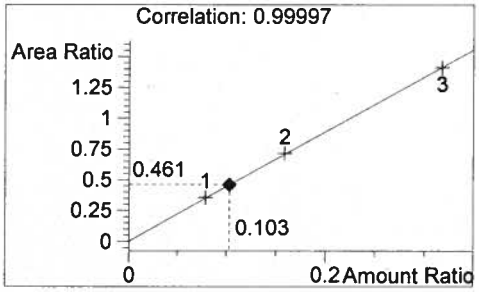
3/26/2012 9:44:03 AM
Instrument 1
DB-ALC1

12013 #3
Dawn Cox

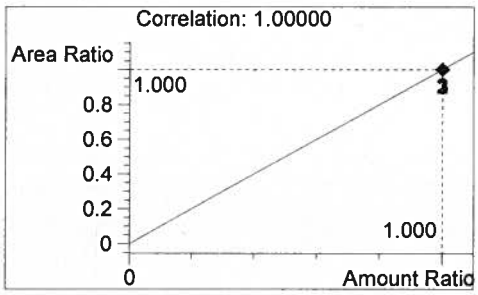
vial # 12



#	Compound	Area	RT
1	Ethanol	1142	1.043
2	n-Propanol	2477	1.708
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

DC

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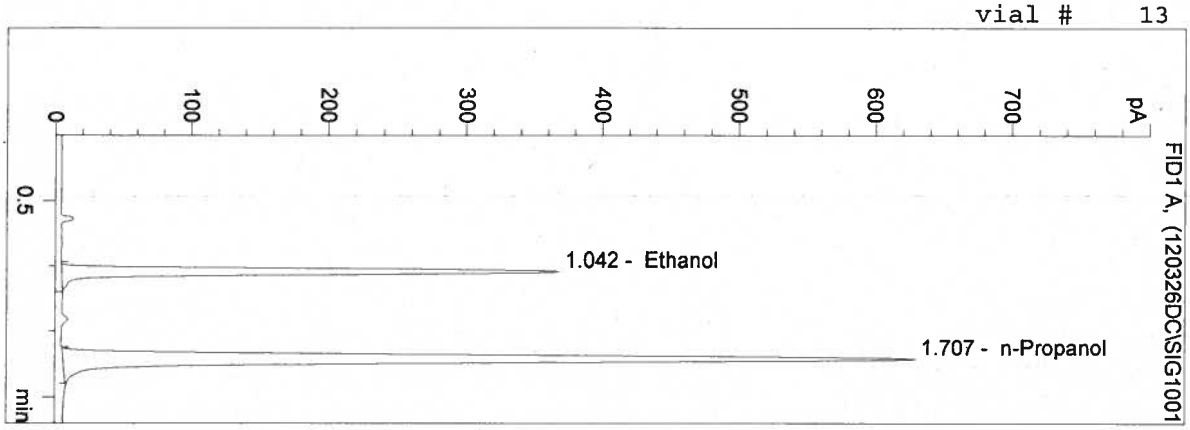
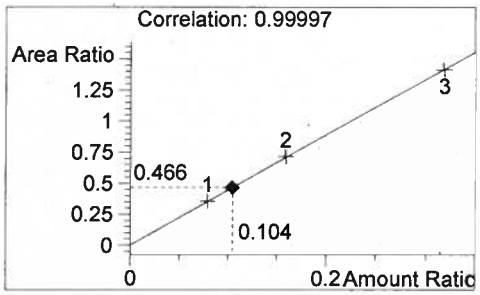
3/26/2012 9:47:08 AM
Instrument 1
DB-ALC1

12013 #4
Dawn Cox

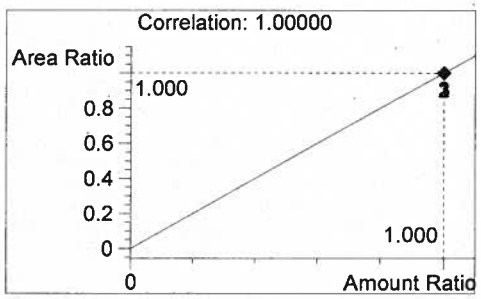
vial # 13



#	Compound	Area	RT
1	Ethanol	1165	1.042
2	n-Propanol	2501	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

DC

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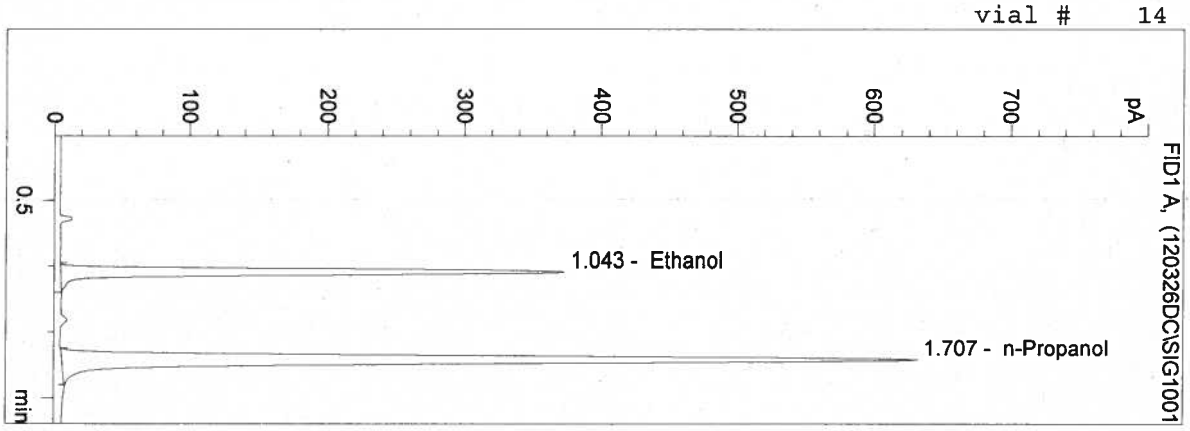
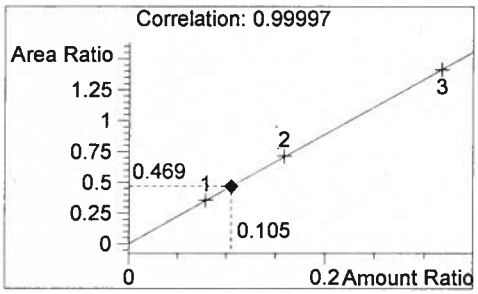
3/26/2012 9:50:13 AM
Instrument 1
DB-ALC1

12013 #5
Dawn Cox

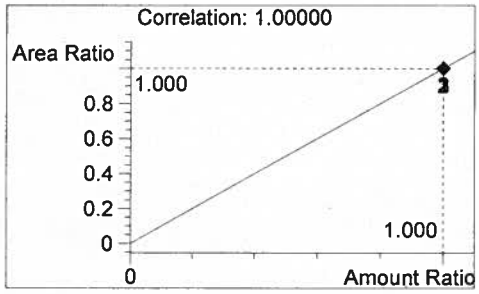
vial # 14



#	Compound	Area	RT
1	Ethanol	1179	1.043
2	n-Propanol	2514	1.707
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

DC

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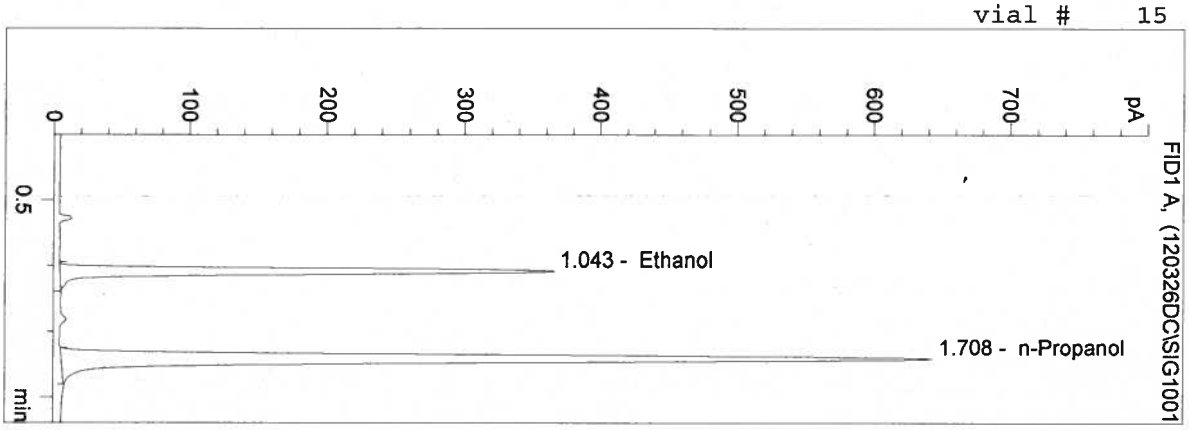
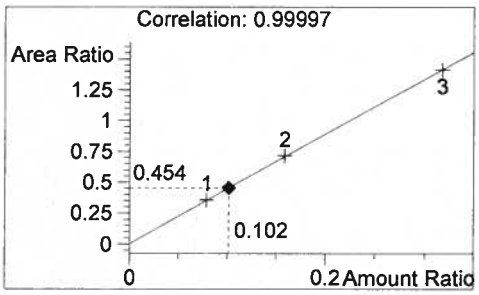
3/26/2012 9:53:17 AM
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

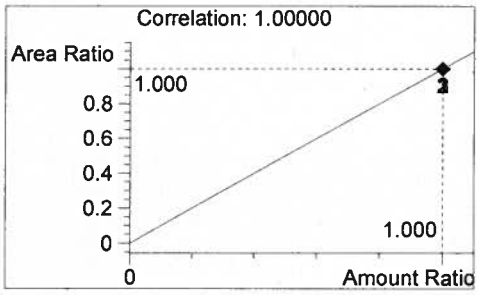
vial # 15



#	Compound	Area	RT
1	Ethanol	1161	1.043
2	n-Propanol	2559	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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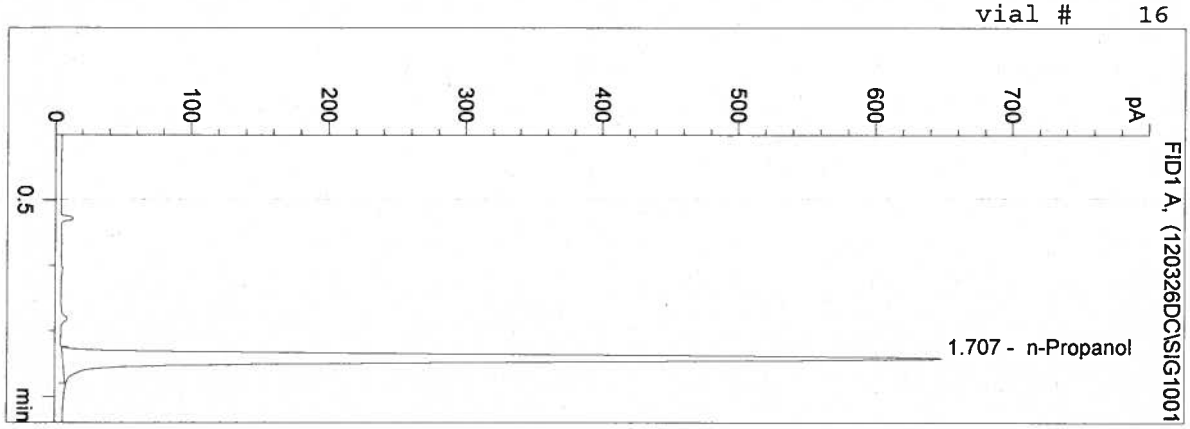
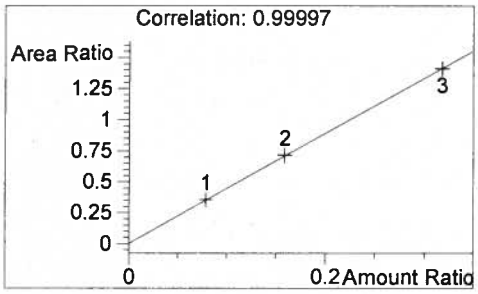
3/26/2012 9:56:22 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

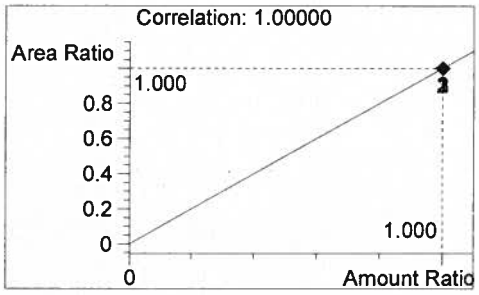
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2580	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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