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: 12024

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 05/29/2012
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Lisa Noble

	LN	JLK	CSJ	BB	DCS	SS	AJL	BEO
1	0.104	0.104	0.102	0.103	0.104	0.102	0.103	0.102
2	0.104	0.104	0.102	0.103	0.104	0.102	0.102	0.105
3	0.104	0.104	0.102	0.104	0.102	0.102	0.102	0.102
4	0.104	0.103	0.102	0.104	0.102	0.103	0.103	0.102
5	0.104	0.103	0.102	0.104	0.104	0.102	0.102	0.103
C	0.104	0.102	0.101	0.102	0.102	0.100	0.101	0.103

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1030 g/100mL
STANDARD DEVIATION: 0.00095
PRECISION CV (%): 0.92
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0837 g/210L**
EXPANDED UNCERTAINTY: ± 0.0032 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton — FS-5 Forensic Scientist Supervisor — 7-16-2012 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
LN	Lisa Noble		05/29/2012
JLK	Justin L. Knoy		05/30/2012
CSJ	Christopher S. Johnston		05/30/2012
BB	Brittany Ball		06/04/2012
DCS	Dawn C. Sklerov		06/05/2012
SS	Sarah Swenson		06/06/2012
AJL	Asa J. Louis		06/11/2012
BEO	Brianne O'Reilly		06/12/2012

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

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

External Standard Solution Batch #: 12024 **Date Prepared:** 5/29/2012

Analyst:	LN	JLK	CSJ	BB	DCS	SS	AJL	BEO
Date Tested:	5/29/2012	5/30/2012	5/30/2012	6/4/2012	6/5/2012	6/6/2012	6/11/2012	6/12/2012
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.104	0.104	0.102	0.103	0.104	0.102	0.103	0.102
2	0.104	0.104	0.102	0.103	0.104	0.102	0.102	0.105
3	0.104	0.104	0.102	0.104	0.102	0.102	0.102	0.102
4	0.104	0.103	0.102	0.104	0.102	0.103	0.103	0.102
5	0.104	0.103	0.102	0.104	0.104	0.102	0.102	0.103
C	0.104	0.102	0.101	0.102	0.102	0.100	0.101	0.103

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000845726	0.0001496911	0.0001016326

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

Average Solution Concentration: 0.1030 g/100mL
Standard Deviation: 0.00095 g/100mL
Precision CV (%): 0.92
Equivalent Vapor Concentration: 0.0837 g/210L
Combined Standard Uncertainty (±): 0.0016 g/210L
Expanded Uncertainty (±): 0.0032 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton [signature] 6.14.12
Name Signature Date

Calculations verified by: Amanda H. Black [signature] 7-16-12 Method: Hand Calculation
Name Signature Date

Technical review of batch file performed by:
Melissa L. Pemberton [signature] 6/27/12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

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

Location: WSP-FLSB Seattle, WA Solution Batch Number: 12024

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

Comments:

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

Reviewer Signature: N/A OB 7-16-12 Date:

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis	AL	2012 JUN 18
Brian Capron		
Brianna Peterson		
Brianne O'Reilly	BMO	6·18·12
Brittany Ball	BB	6/18/12
Christie Mitchell-Mata		
Christopher Johnston	CJ	6·14·12
Dawn Sklerov	DS	6.22.12
Justin Knoy	JK	6.18.12
Lisa Noble	LN	6/18/12
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson	SMS	6/14/12

Batch # 120 24

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 12024

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

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

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

The external standard solution, Lot Number 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

Lisa Noble 6/18/12

Lisa Noble Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12024

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 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

6.18.12

Justin L. Knoy — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

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Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12024

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 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

6·14·2012

Christopher S. Johnston Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12024

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

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

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

The external standard solution, Lot Number 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

Brittany Ball 6/18/12

Brittany Ball Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

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Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12024

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

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

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

The external standard solution, Lot Number 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

Dawn C Sklerov 6-22-12

Dawn C. Sklerov Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12024

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 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

6/14/12

Sarah M. Swenson — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12024

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 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

2012 JUN 18

Asa J. Louis Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12024

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

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

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

The external standard solution, Lot Number 12024, was prepared in the Washington State Toxicology Laboratory on 5/29/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/29/2013.

Seattle, WA

Brianne E O'Reilly 6·18·12

Brianne E. O'Reilly Date

Forensic Toxicologist

WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 5/29/12 Initials of Preparer: LN

Expiration Date: 5/29/13

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

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

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.0	18	☐	
ESS	66.5	52	☑	12024

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 5/29/12 Date

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

Comments:

Analyst Signature 5/29/12 Date

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

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120529L
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot#A077459 - exp 02/2015
0.10 Control - Lot#A083355 - exp 12/2015
0.20 Control - Lot#A076521 - exp 12/2014
0.079 Calibrator Lot#E0412-01 - exp 07/11/2012
0.158 Calibrator Lot#E0412-02 - exp 07/11/2012
0.316 Calibrator Lot#E0412-03 - exp 07/11/2012

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - LN	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - LN	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - LN	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		
10	Vial 10	12024 #1	SIMALC1	1	Sample		
11	Vial 11	12024 #2	SIMALC1	1	Sample		
12	Vial 12	12024 #3	SIMALC1	1	Sample		
13	Vial 13	12024 #4	SIMALC1	1	Sample		
14	Vial 14	12024 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - LN	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - LN	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

12024

Sequence Table (Back Injector):

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

No entries - empty table!

fr

i 2 0 2 4

Calibration Table

Calib. Data Modified : Tuesday, May 29, 2012 11:33:21 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.91800e-2	1128.93713	7.01368e-5	1		Ethanol
		2	1.59320e-1	2211.63135	7.20373e-5			
		3	3.16260e-1	4365.22314	7.24499e-5			
1.706	1	1	1.00000	3180.26196	3.14440e-4	I1		n-Propanol
		2	1.00000	3157.49414	3.16707e-4			
		3	1.00000	3138.89136	3.18584e-4			

Peak Sum Table

No Entries in table

12024

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Calibration Curves

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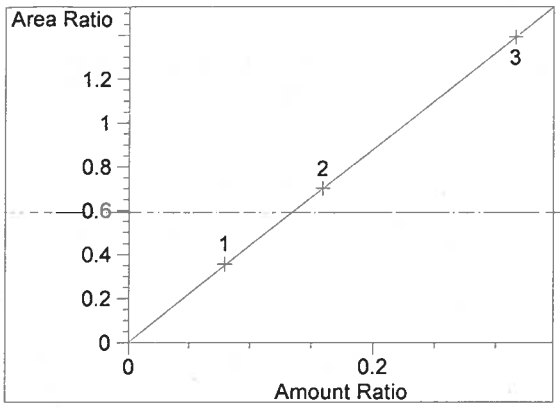
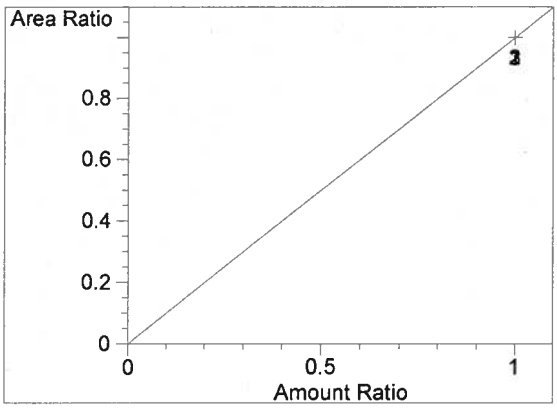


Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00401
Formula: y = mx + b
m: 4.38985
b: 2.69973e-3
x: Amount Ratio
y: Area Ratio



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

==========

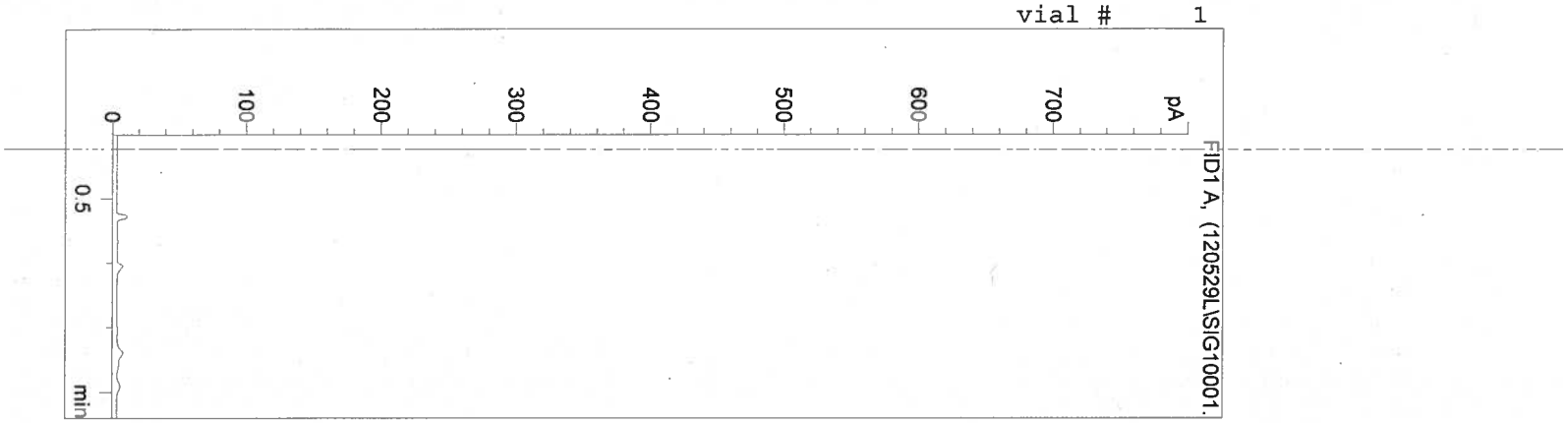
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

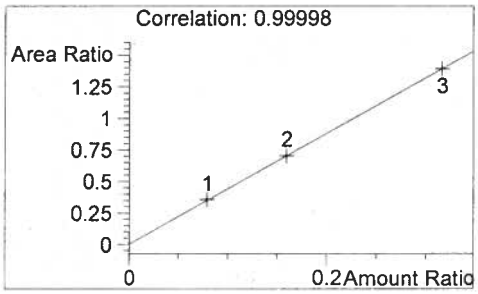
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:21:54 AM
Instrument 1
DB-ALC1

BLANK
Lisa Noble

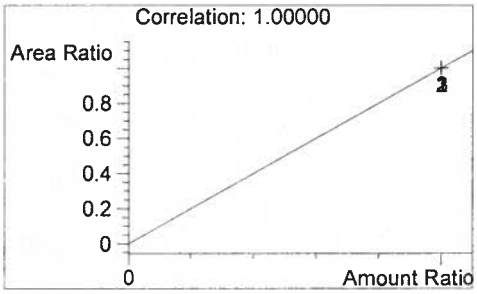
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

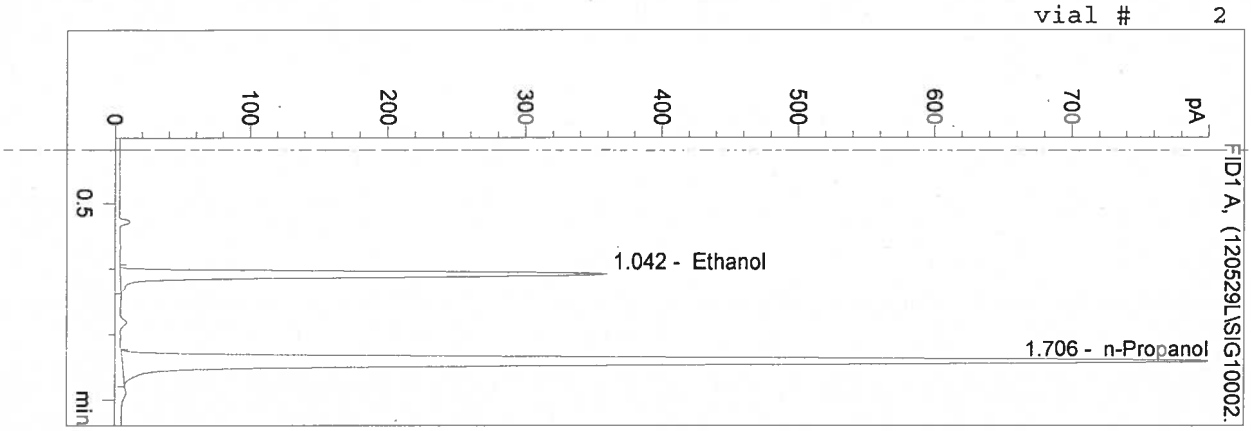
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

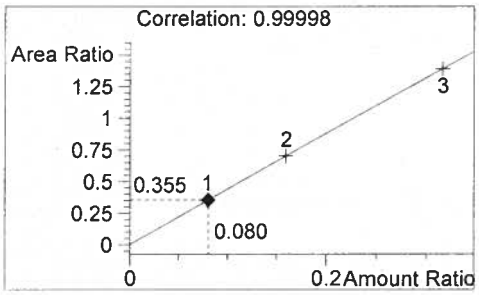
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:24:59 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Lisa Noble

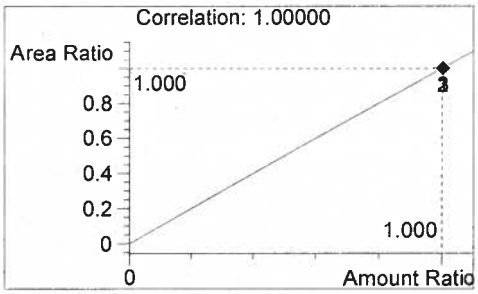
vial # 2



#	Compound	Area	RT
1	Ethanol	1129	1.042
2	n-Propanol	3180	1.706
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

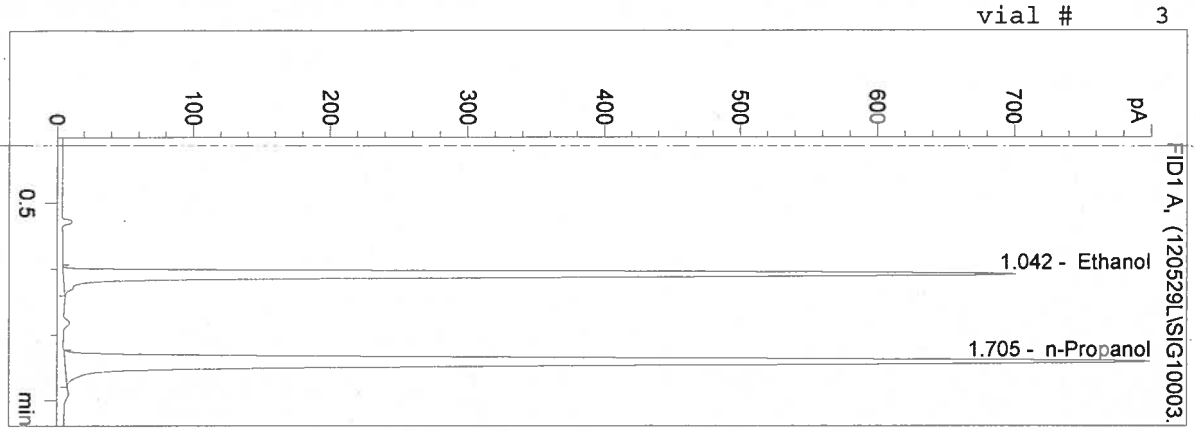
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

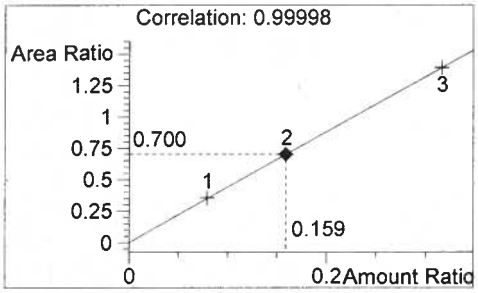
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:28:03 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Lisa Noble

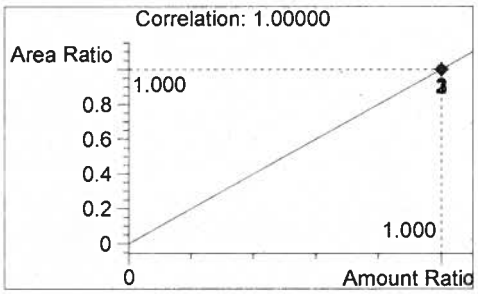
vial # 3



#	Compound	Area	RT
1	Ethanol	2212	1.042
2	n-Propanol	3157	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

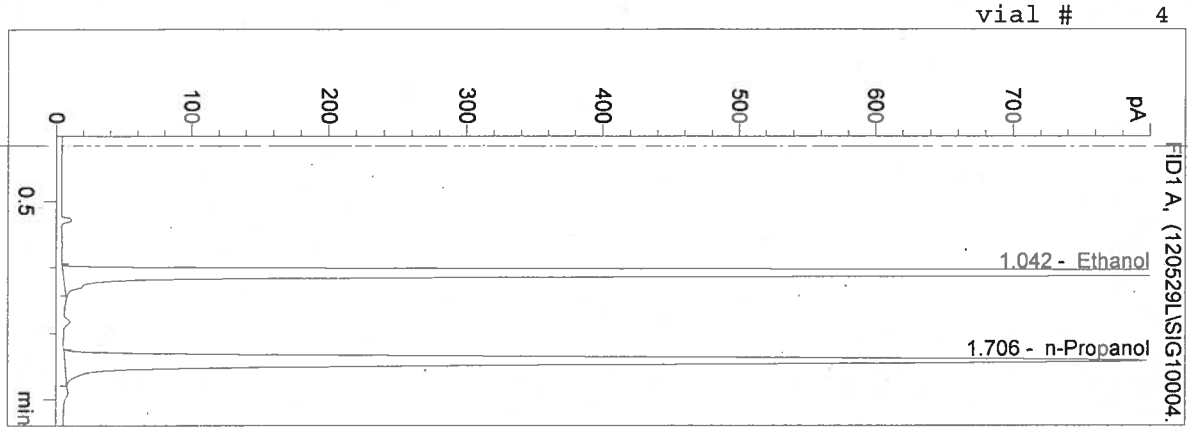
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

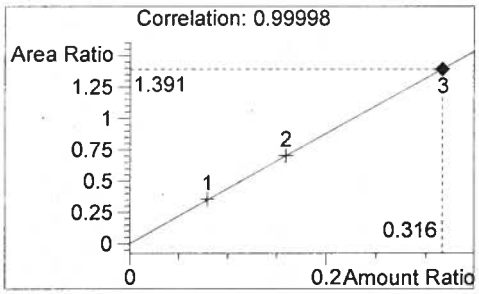
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:31:08 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Lisa Noble

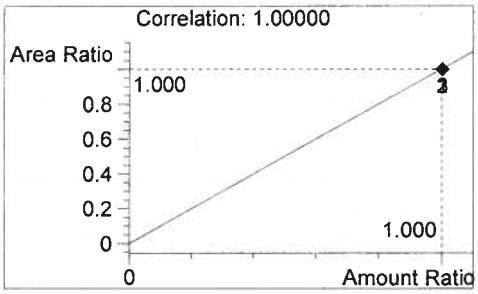
vial # 4



#	Compound	Area	RT
1	Ethanol	4365	1.042
2	n-Propanol	3139	1.706
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

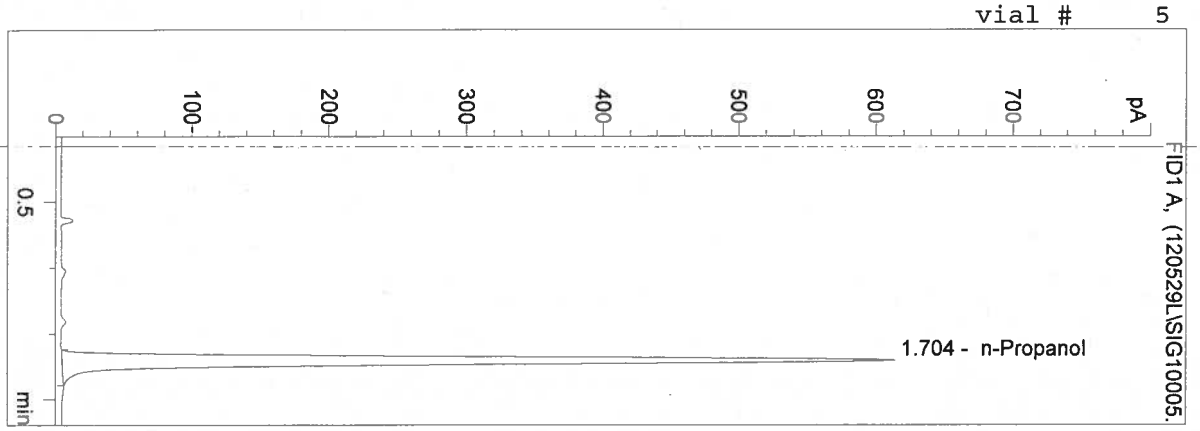
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

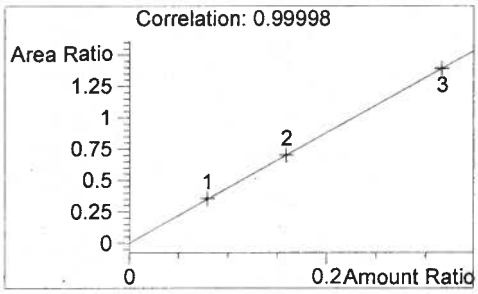
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:34:13 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

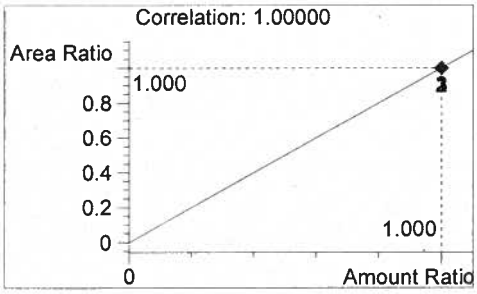
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2429	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

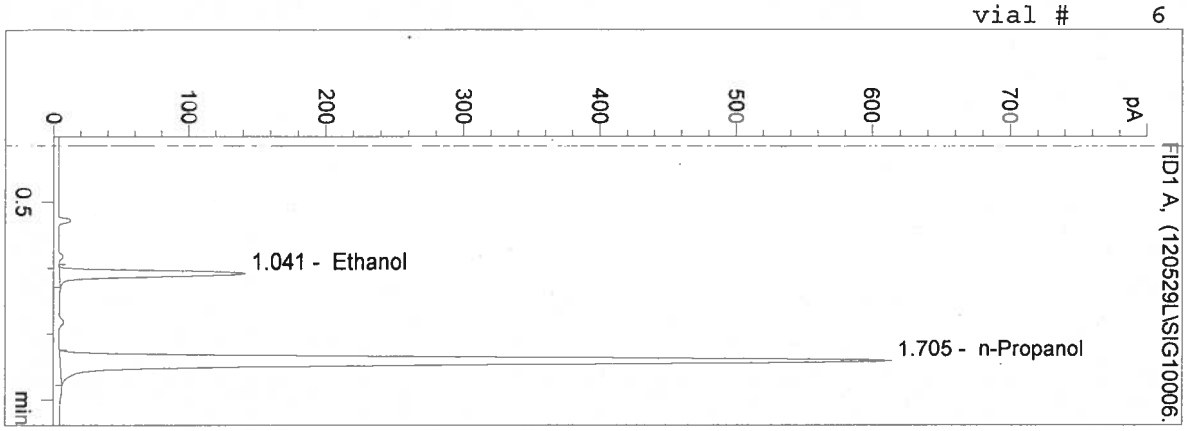
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

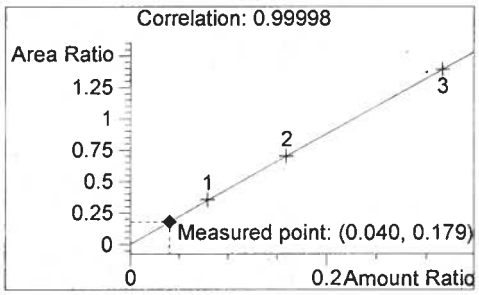
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:37:18 AM
Instrument 1
DB-ALC1

0.04 CTRL - LN
Lisa Noble

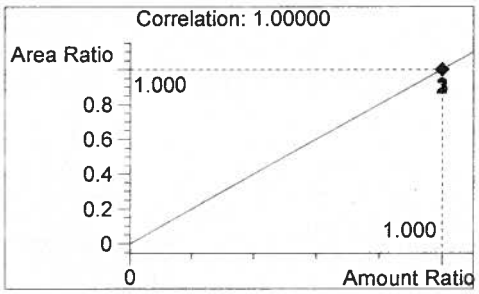
vial # 6



#	Compound	Area	RT
1	Ethanol	435	1.041
2	n-Propanol	2429	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

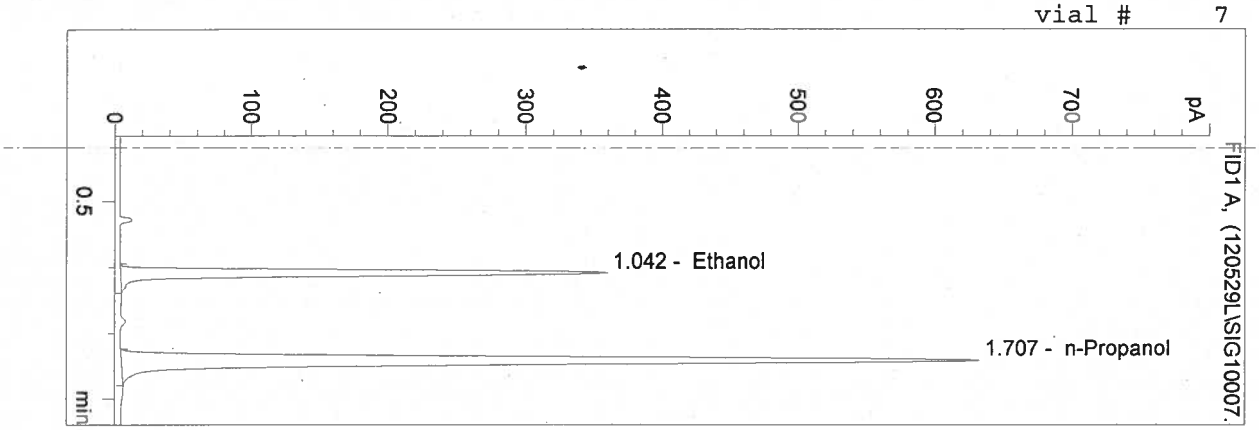
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

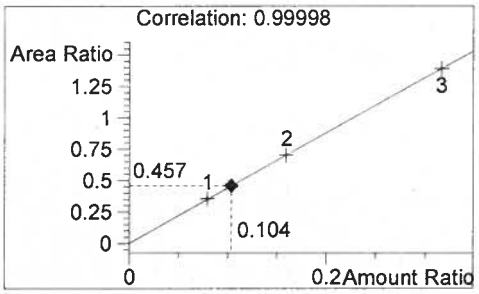
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:40:22 AM
Instrument 1
DB-ALC1

0.10 CTRL - LN
Lisa Noble

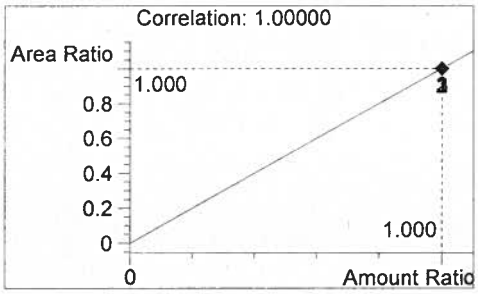
vial # 7



#	Compound	Area	RT
1	Ethanol	1147	1.042
2	n-Propanol	2507	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

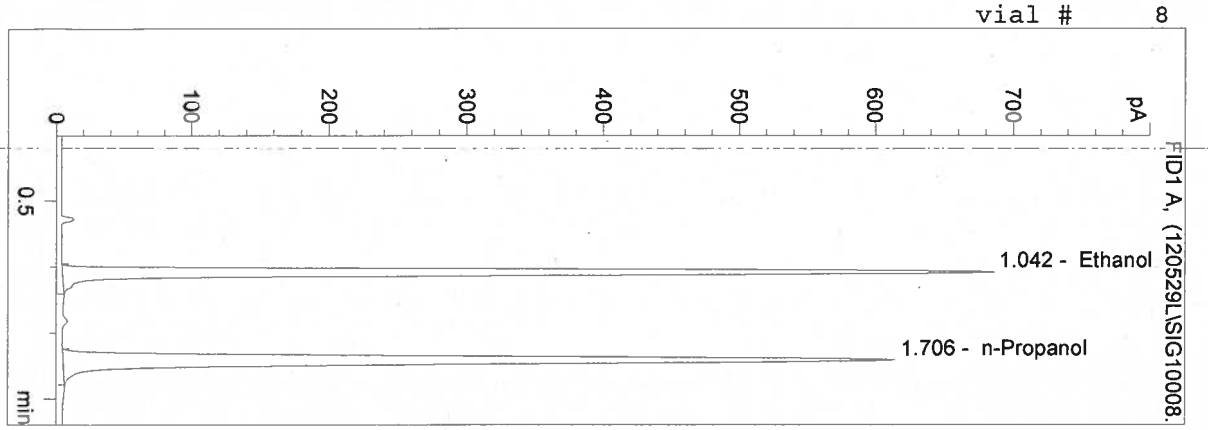
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

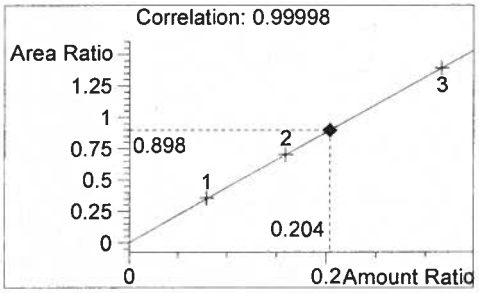
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:43:27 AM
Instrument 1
DB-ALC1

0.20 CTRL - LN
Lisa Noble

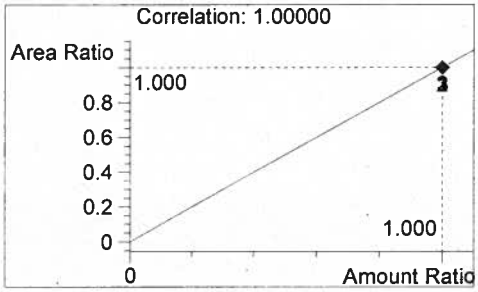
vial # 8



#	Compound	Area	RT
1	Ethanol	2182	1.042
2	n-Propanol	2429	1.706
Tot			



Ethanol 0.204 g/100 mL



n-Propanol 1.000 g/100 mL

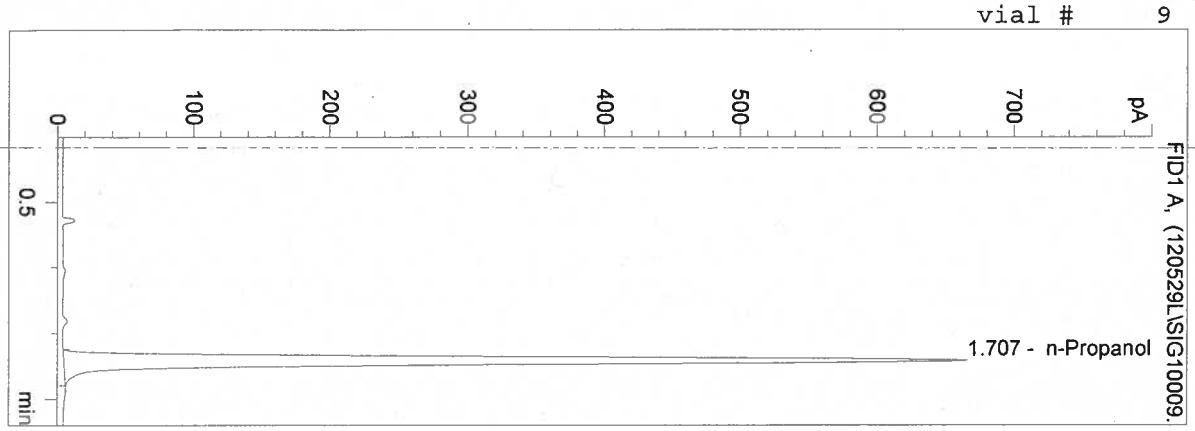
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

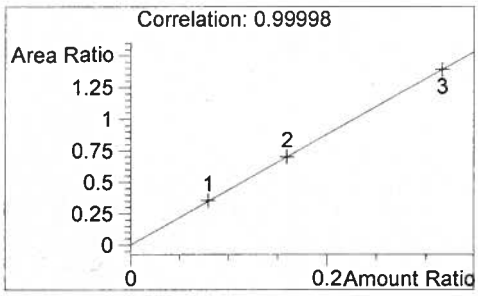
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:46:32 AM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

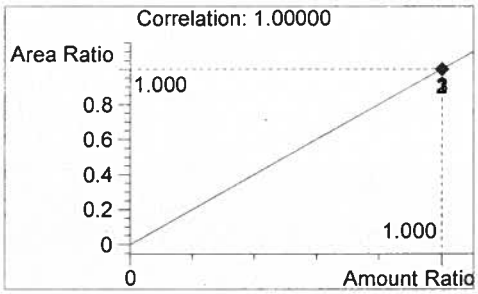
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2640	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

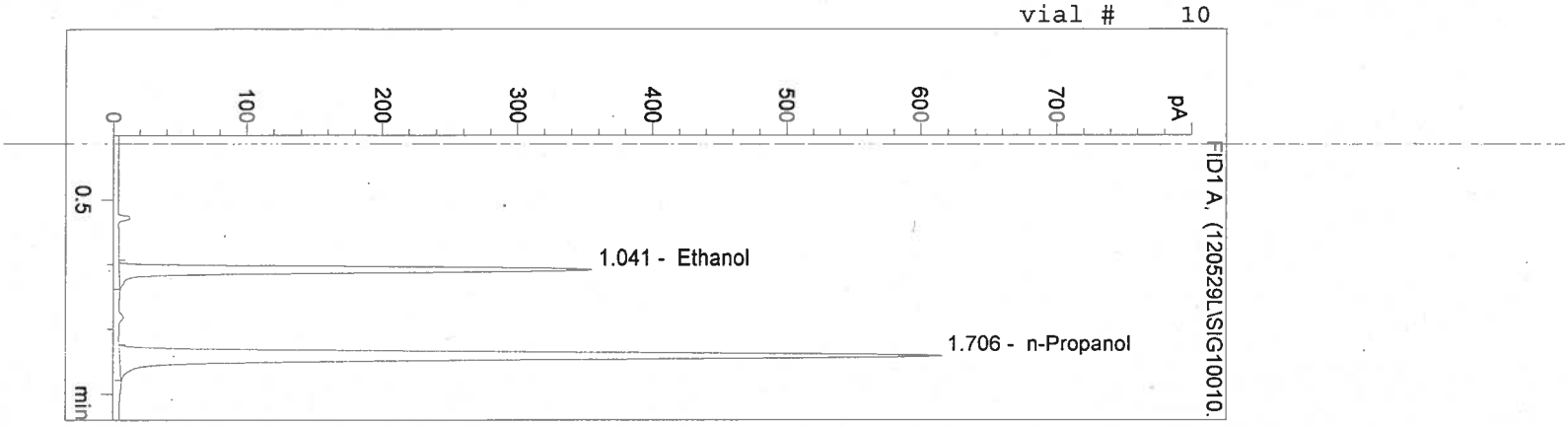
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

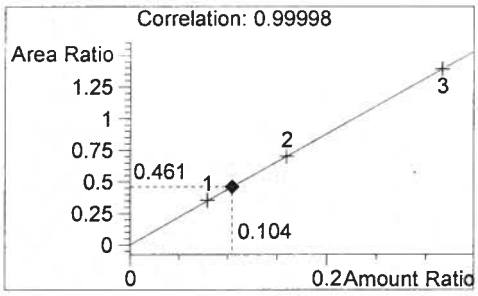
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:49:37 AM
Instrument 1
DB-ALC1

12024 #1
Lisa Noble

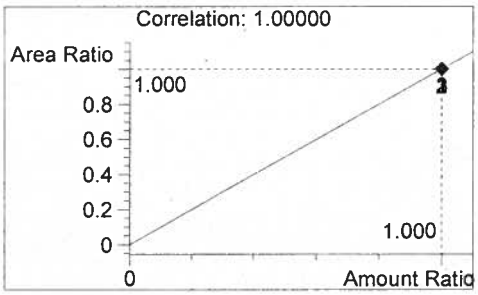
vial # 10



#	Compound	Area	RT
1	Ethanol	1123	1.041
2	n-Propanol	2437	1.706
Tot			



Ethanol 0.104 g/100 mL



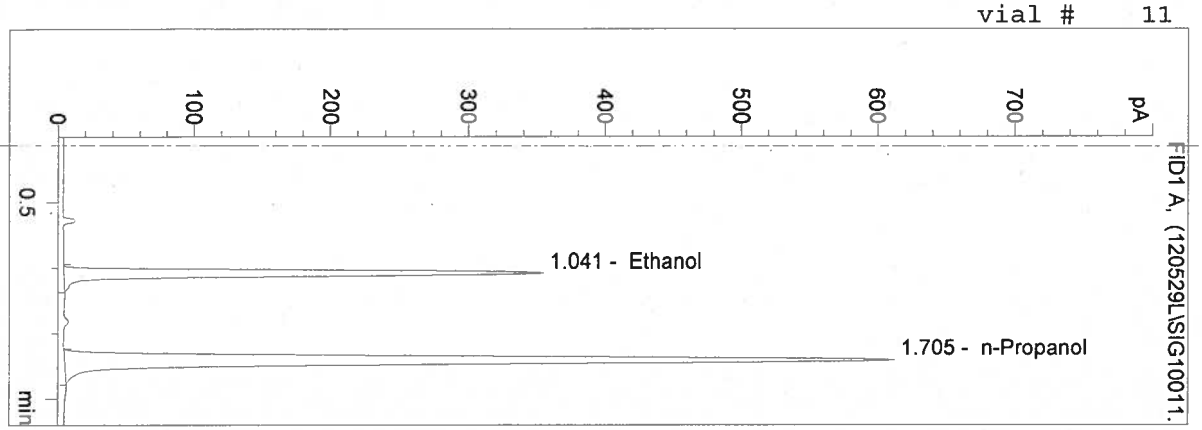
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

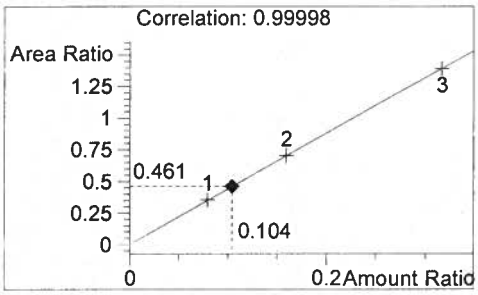
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:52:42 AM
Instrument 1
DB-ALC1

12024 #2
Lisa Noble

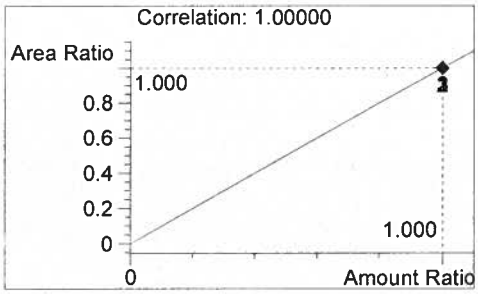
vial # 11



#	Compound	Area	RT
1	Ethanol	1114	1.041
2	n-Propanol	2418	1.705
Tot			



Ethanol 0.104 g/100 mL



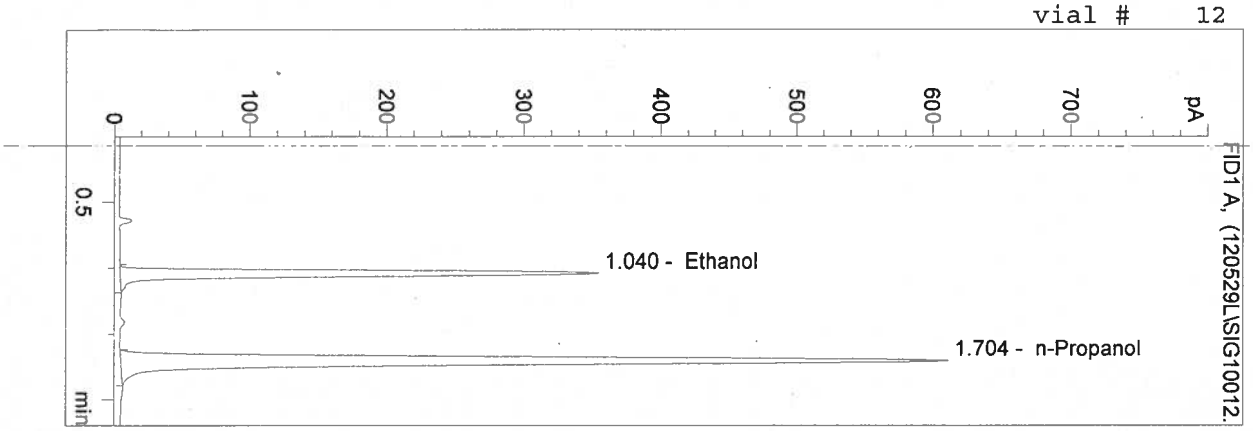
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

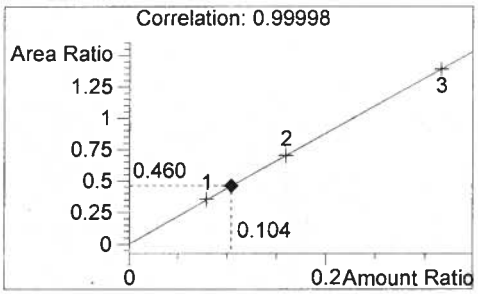
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:55:46 AM
Instrument 1
DB-ALC1

12024 #3
Lisa Noble

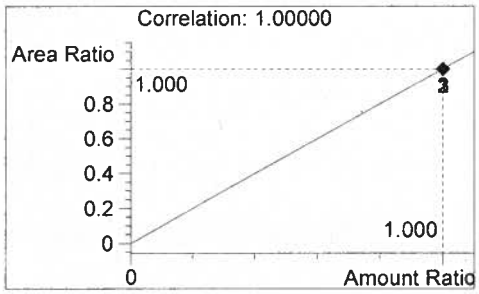
vial # 12



#	Compound	Area	RT
1	Ethanol	1112	1.040
2	n-Propanol	2416	1.704
Tot			



Ethanol 0.104 g/100 mL



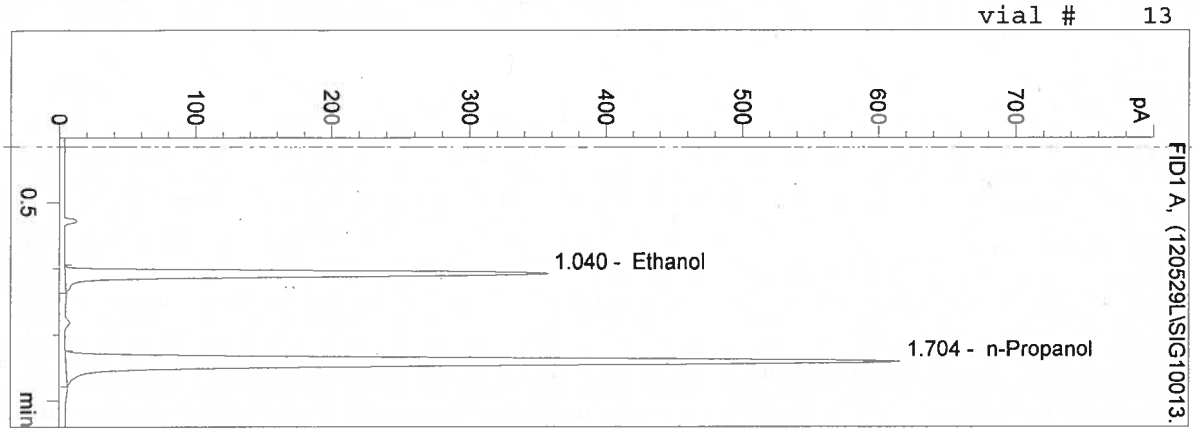
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

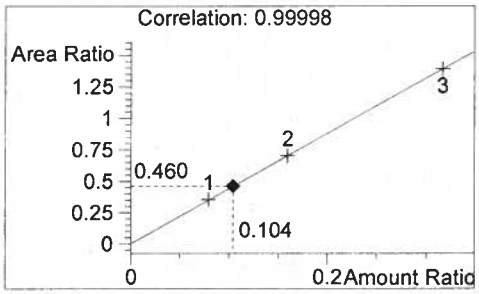
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 11:58:51 AM
Instrument 1
DB-ALC1

12024 #4
Lisa Noble

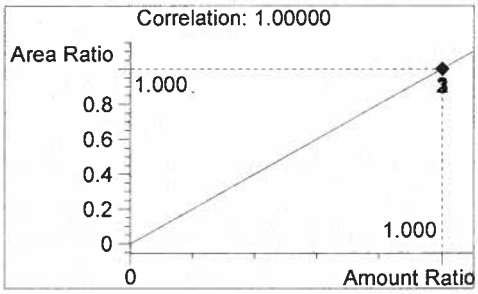
vial # 13



#	Compound	Area	RT
1	Ethanol	1120	1.040
2	n-Propanol	2434	1.704
Tot			



Ethanol 0.104 g/100 mL



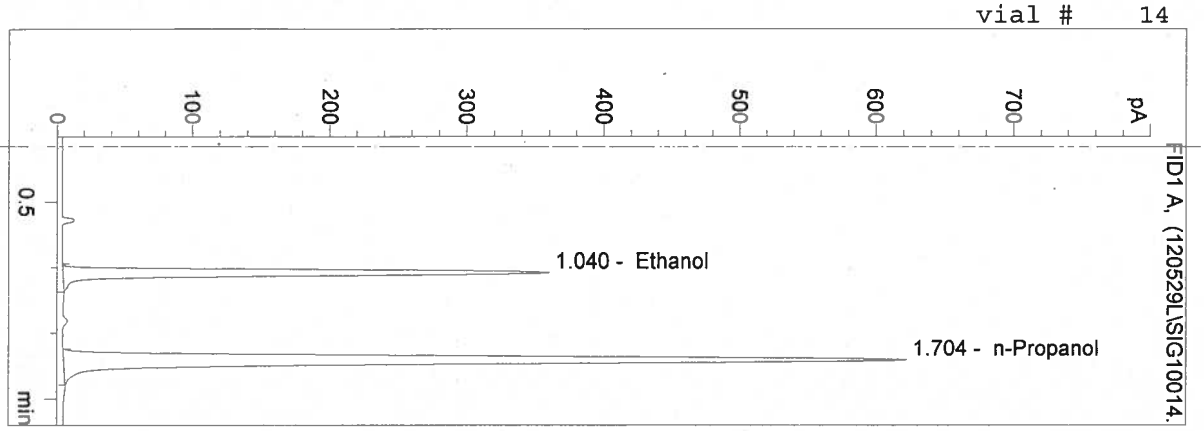
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

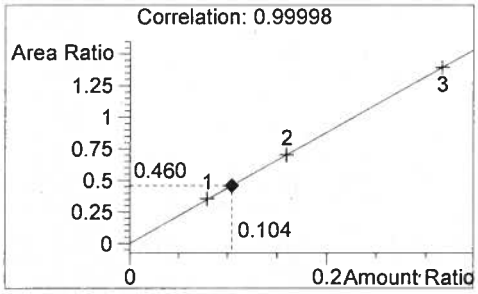
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 12:01:56 PM
Instrument 1
DB-ALC1

12024 #5
Lisa Noble

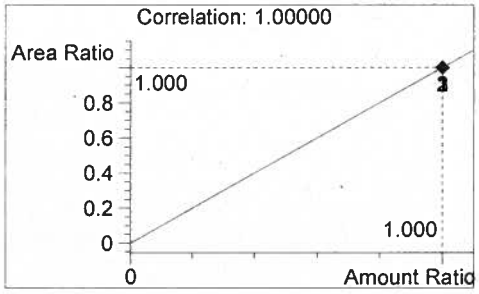
vial # 14



#	Compound	Area	RT
1	Ethanol	1129	1.040
2	n-Propanol	2457	1.704
Tot			



Ethanol 0.104 g/100 mL



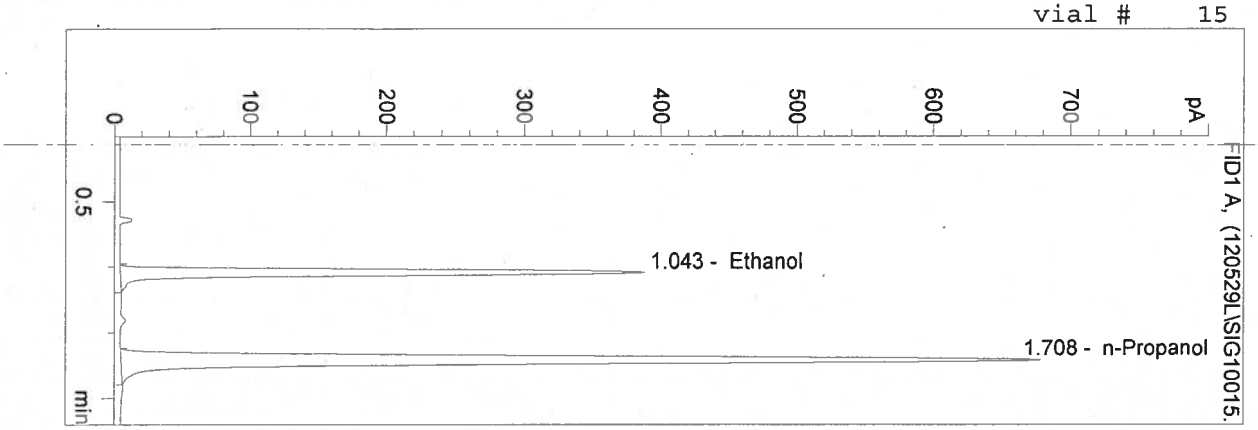
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

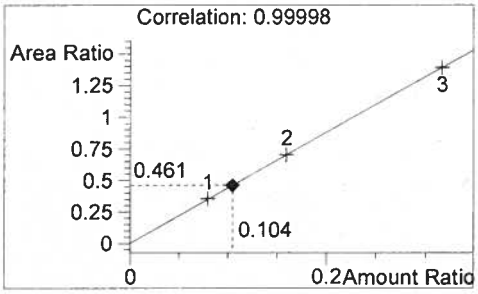
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 12:05:01 PM
Instrument 1
DB-ALC1

0.10 CTRL - LN
Lisa Noble

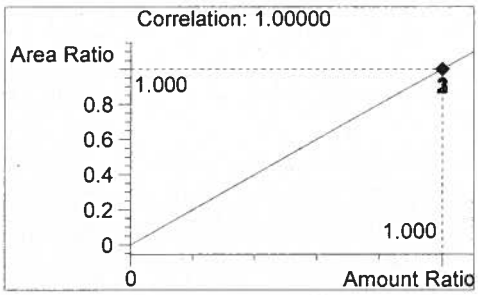
vial # 15



#	Compound	Area	RT
1	Ethanol	1246	1.043
2	n-Propanol	2702	1.708
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

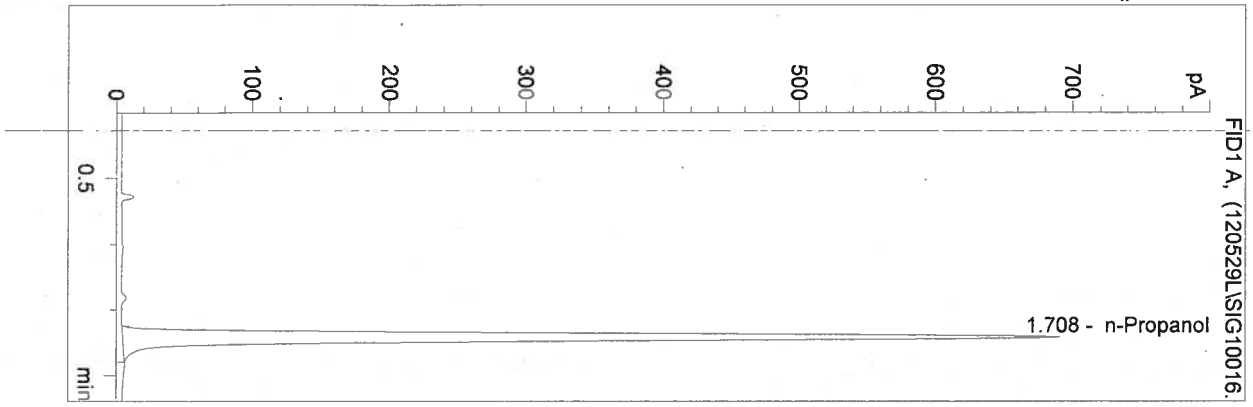
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

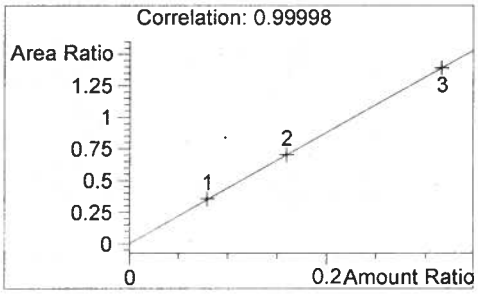
C:\HPCHEM\1\METHODS\SIMALC1.M
5/29/2012 12:08:05 PM
Instrument 1
DB-ALC1

NEG CTRL - LN
Lisa Noble

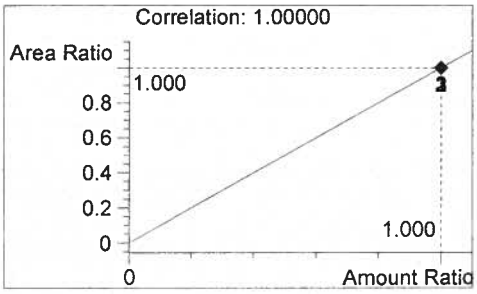
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2744	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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

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

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

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0412-01 - Exp 07/11/2012
3	Vial 3	E0412-02 - Exp 07/11/2012
4	Vial 4	E0412-03 - Exp 07/11/2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12024

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	12024-1	SIMALC1	1	Sample		
11	Vial 11	12024-2	SIMALC1	1	Sample		
12	Vial 12	12024-3	SIMALC1	1	Sample		
13	Vial 13	12024-4	SIMALC1	1	Sample		
14	Vial 14	12024-5	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!

Calibration Table

Calib. Data Modified : Wednesday, May 30, 2012 10:34:14 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.91800e-2	869.88214	9.10238e-5	1		Ethanol
		2	1.59320e-1	1740.27808	9.15486e-5			
		3	3.16260e-1	3438.62720	9.19728e-5			
1.704	1	1	1.00000	2442.98486	4.09335e-4	I1		n-Propanol
		2	1.00000	2454.03052	4.07493e-4			
		3	1.00000	2444.69800	4.09048e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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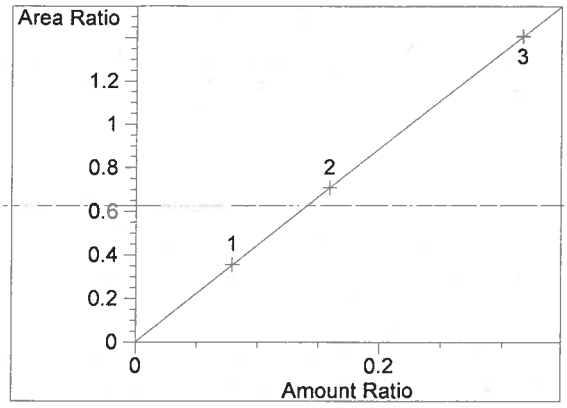
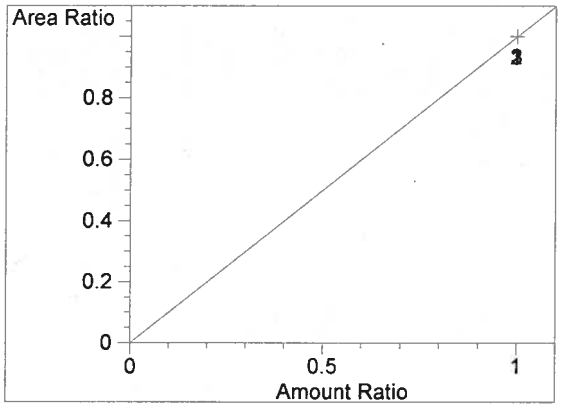


Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00221
Formula: y = mx + b
m: 4.44345
b: 1.68526e-3
x: Amount Ratio
y: Area Ratio



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

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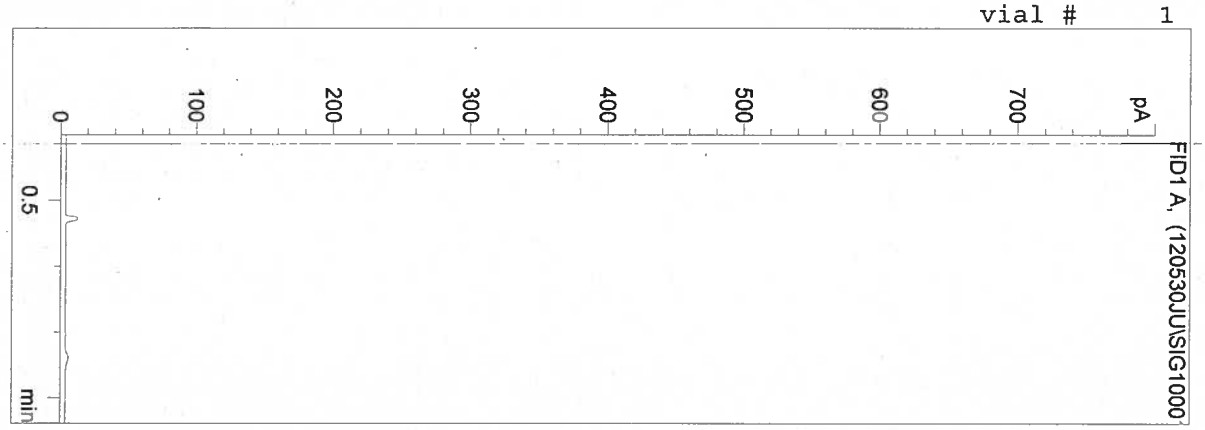
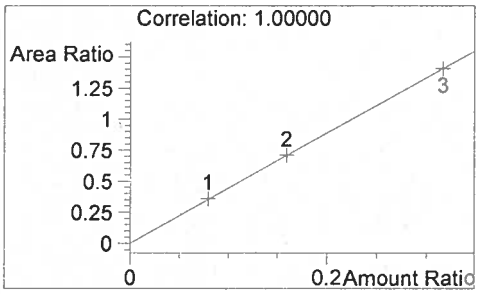
DB-ALC1

BLANK
Justin Knoy

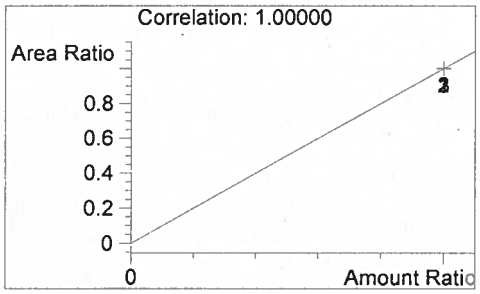
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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8

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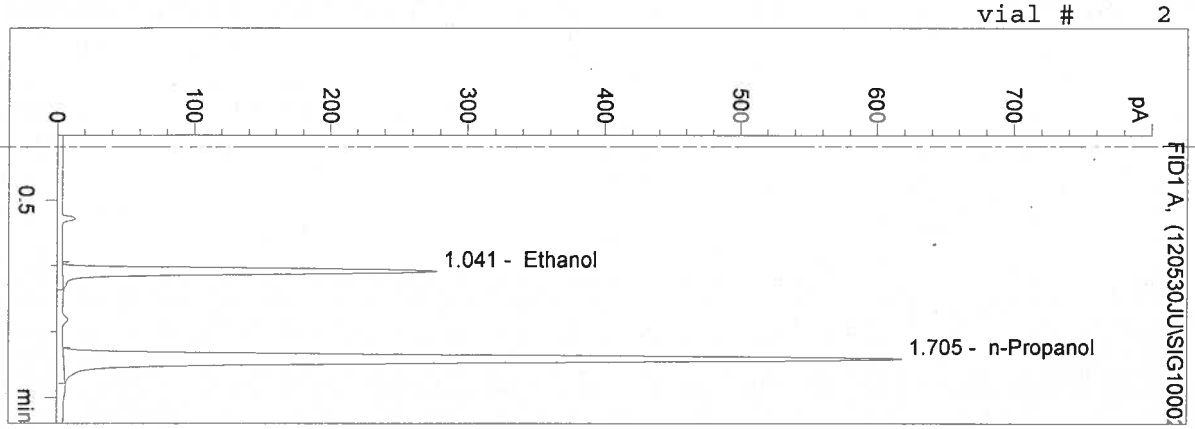
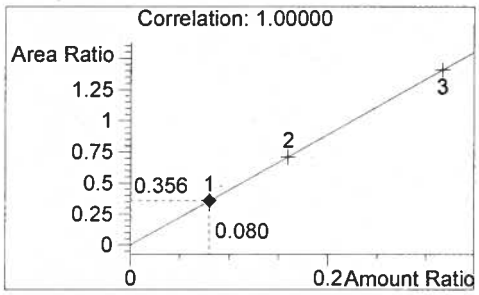
5/30/2012 10:25:52 AM
Instrument 1
DB-ALC1

CAL1 0.079
Justin Knoy

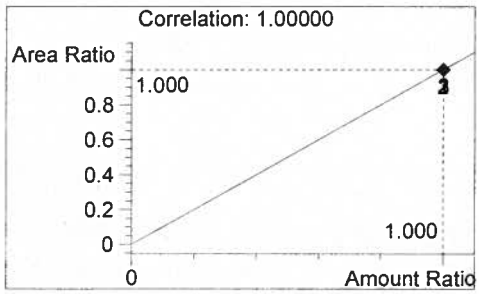
vial # 2



#	Compound	Area	RT
1	Ethanol	870	1.041
2	n-Propanol	2443	1.705
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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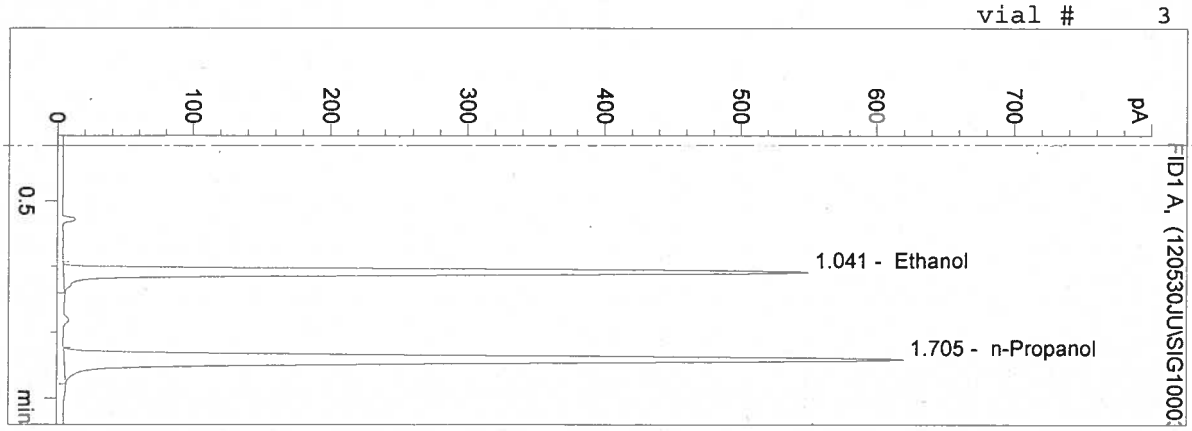
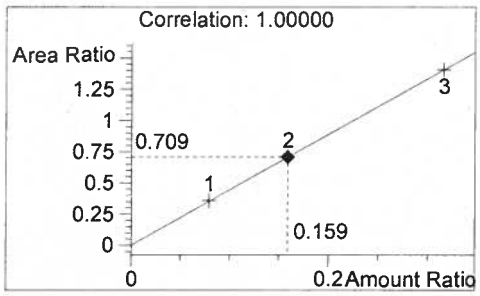
CAL2 0.158
Justin Knoy

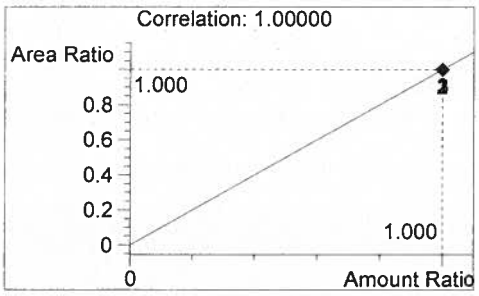
vial # 3



#	Compound	Area	RT
1	Ethanol	1740	1.041
2	n-Propanol	2454	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

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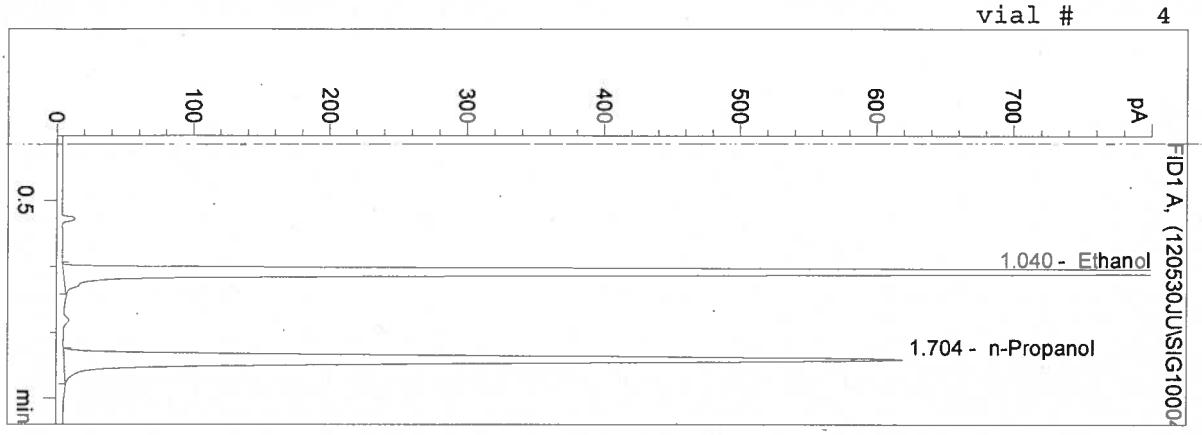
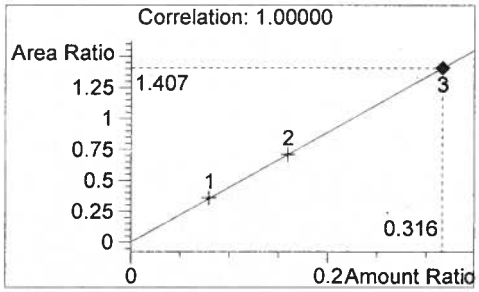
Instrument 1
DB-ALC1

CAL3 0.316
Justin Knoy

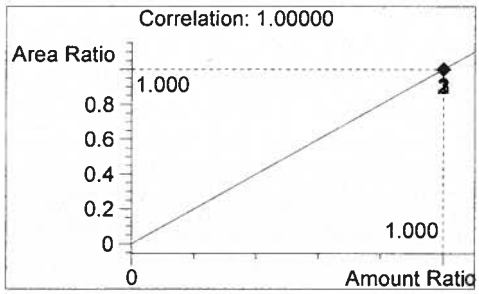
vial # 4



#	Compound	Area	RT
1	Ethanol	3439	1.040
2	n-Propanol	2445	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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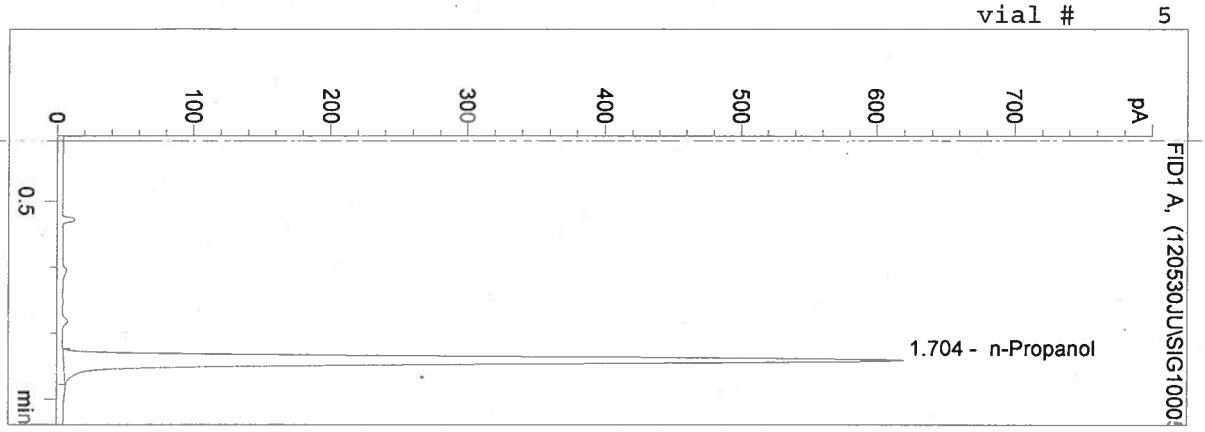
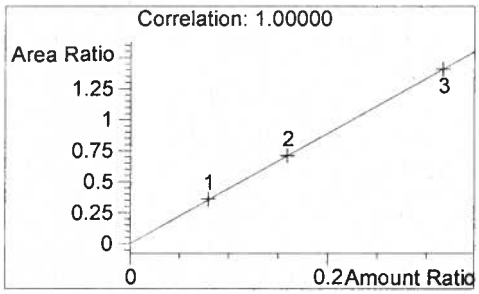
Justin Knoy

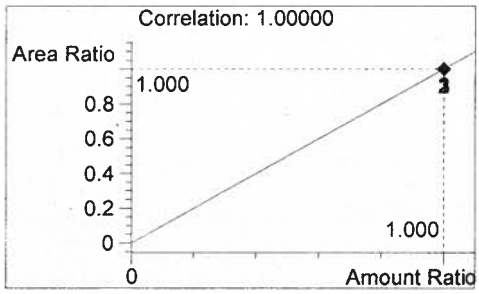
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2446	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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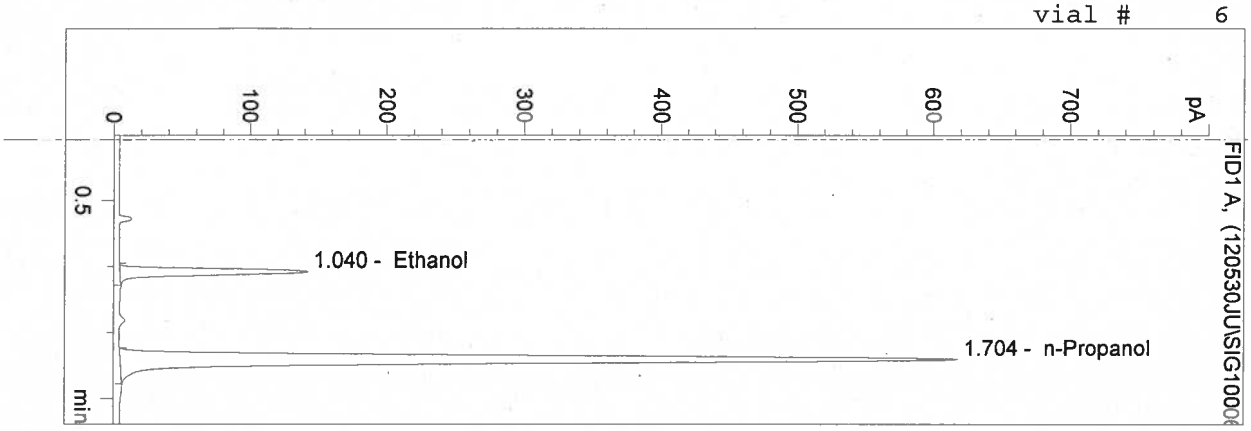
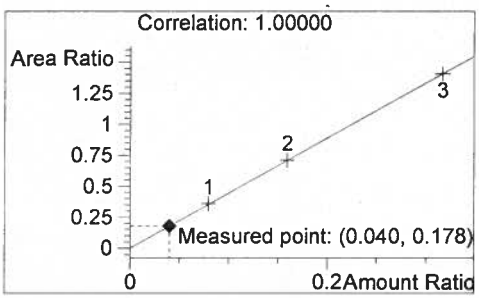
0.04 CTRL JK
Justin Knoy

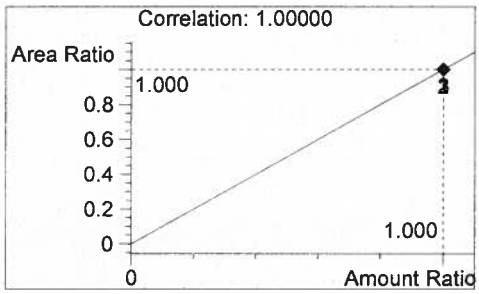
vial # 6



#	Compound	Area	RT
1	Ethanol	435	1.040
2	n-Propanol	2440	1.704
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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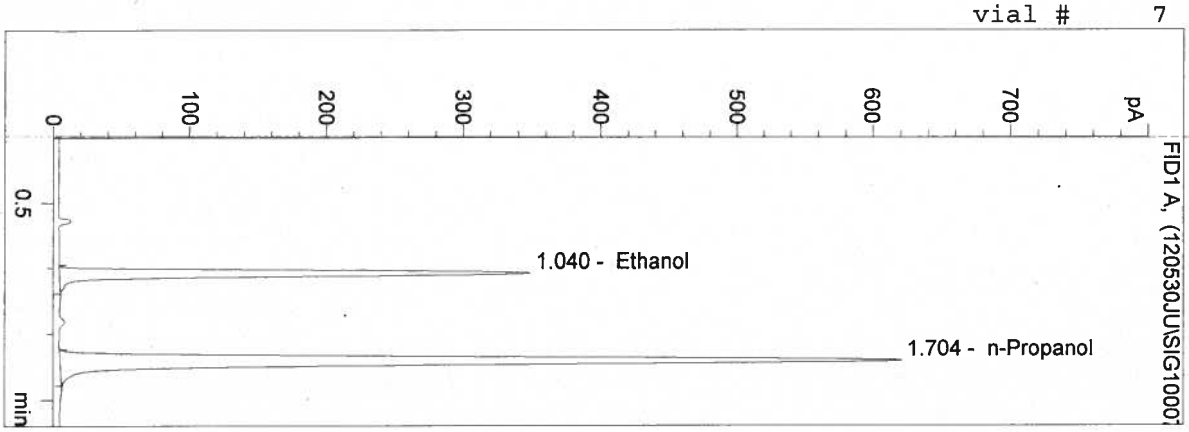
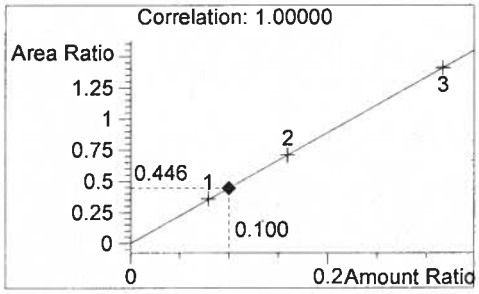
0.10 CTRL JK
Justin Knoy

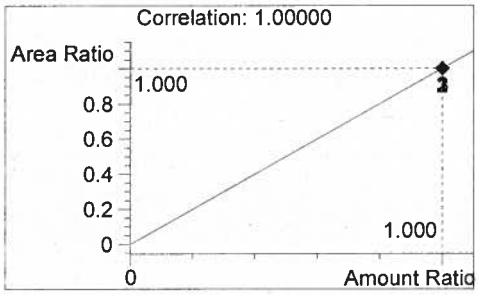
vial # 7



#	Compound	Area	RT
1	Ethanol	1093	1.040
2	n-Propanol	2450	1.704
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
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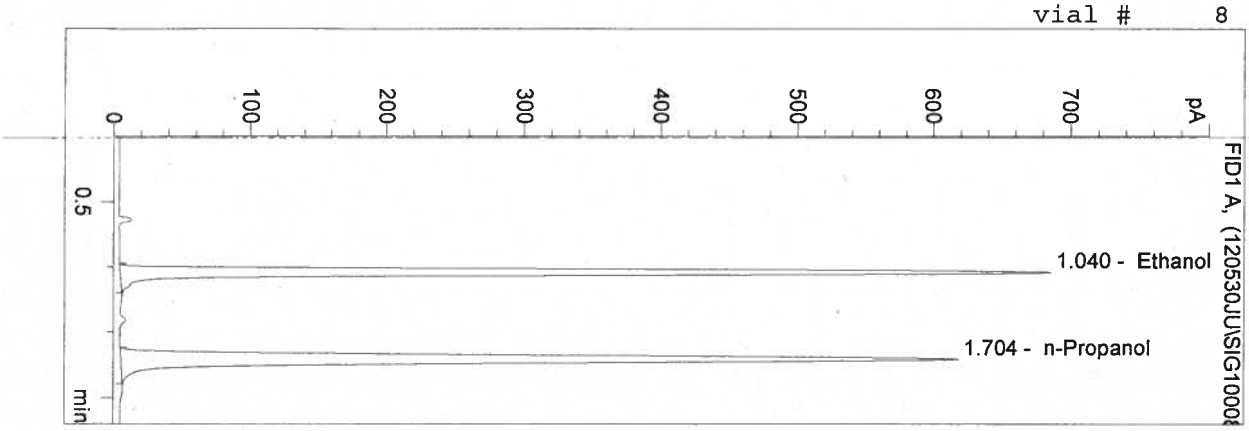
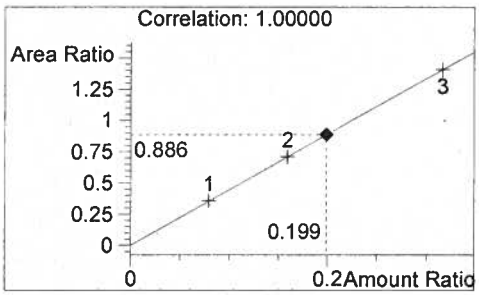
0.20 CTRL JK
Justin Knoy

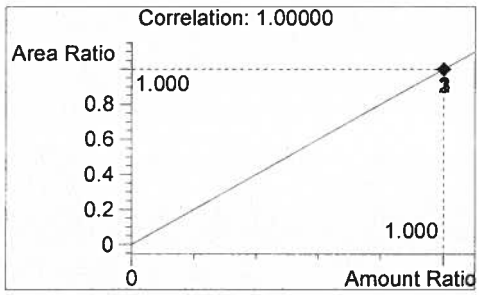
vial # 8



#	Compound	Area	RT
1	Ethanol	2158	1.040
2	n-Propanol	2434	1.704
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

2024

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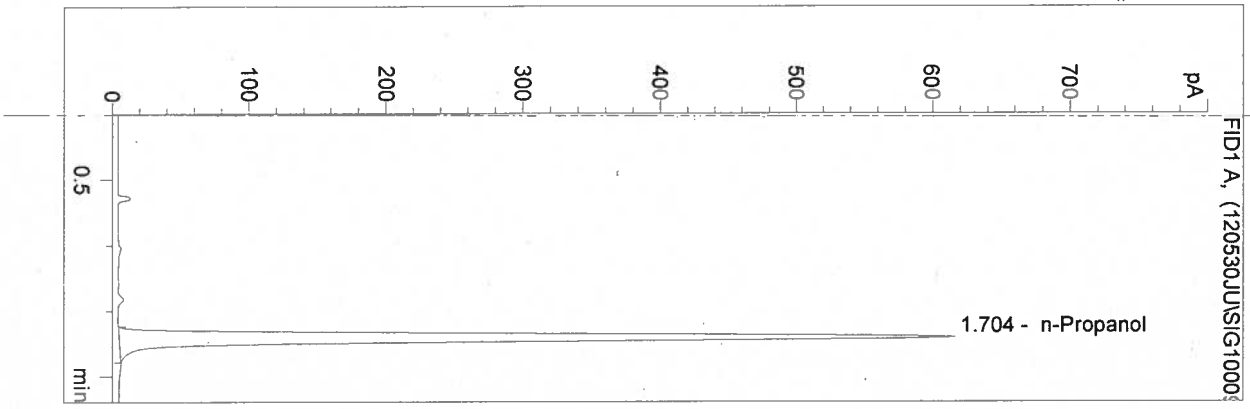
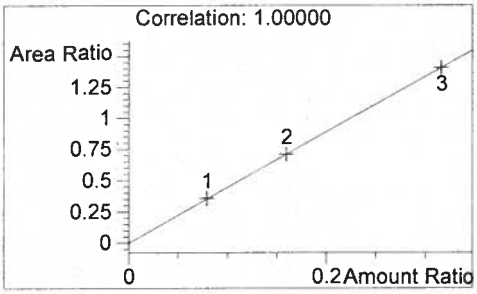
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

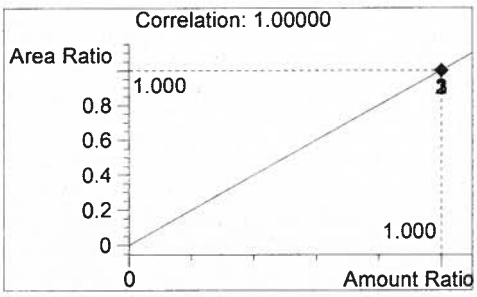
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2429	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

2024

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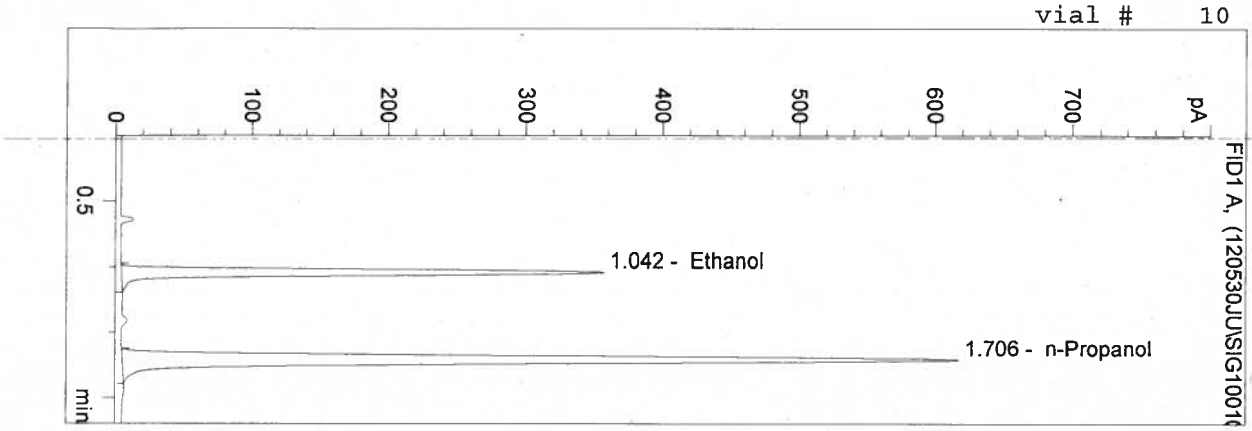
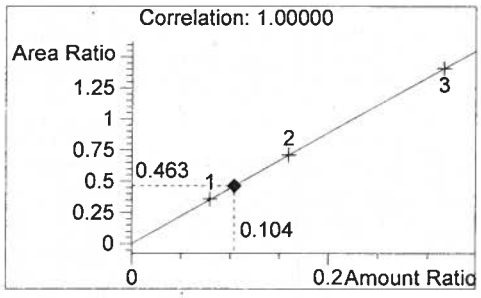
12024-1
Justin Knoy

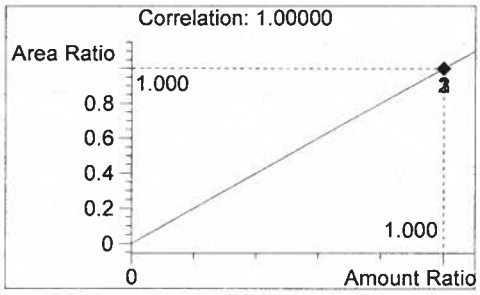
vial # 10



#	Compound	Area	RT
1	Ethanol	1131	1.042
2	n-Propanol	2443	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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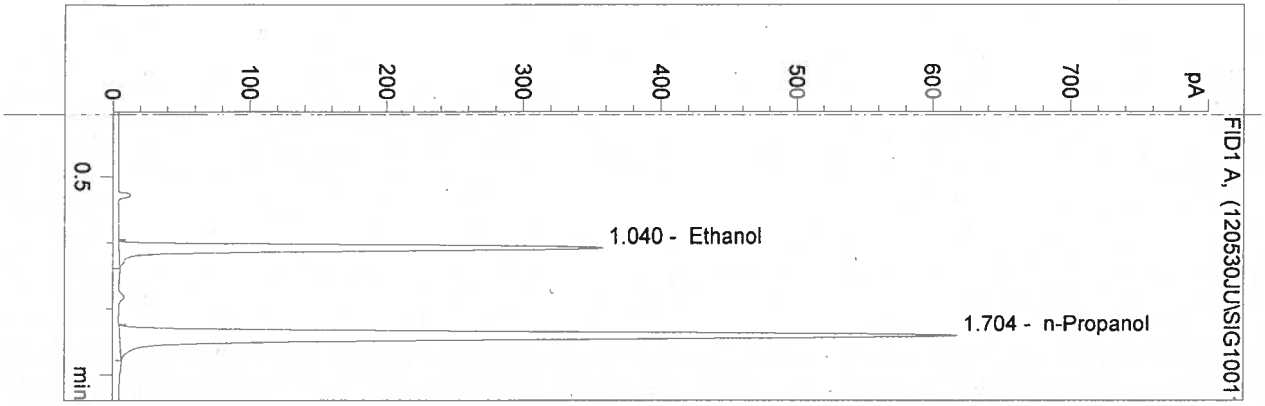
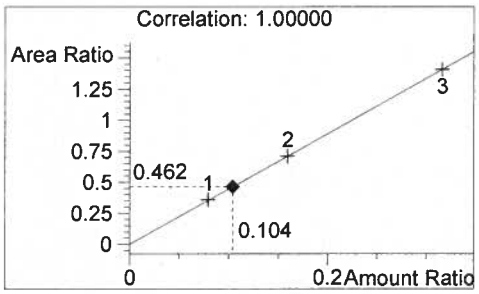
Instrument 1
DB-ALC1

12024-2
Justin Knoy

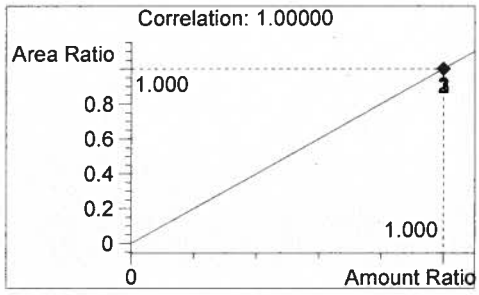
vial # 11



#	Compound	Area	RT
1	Ethanol	1127	1.040
2	n-Propanol	2437	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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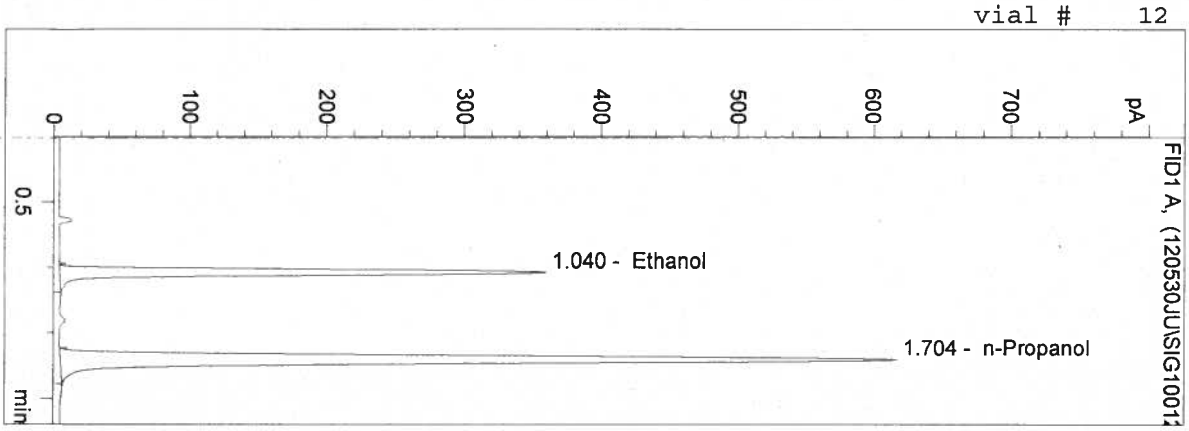
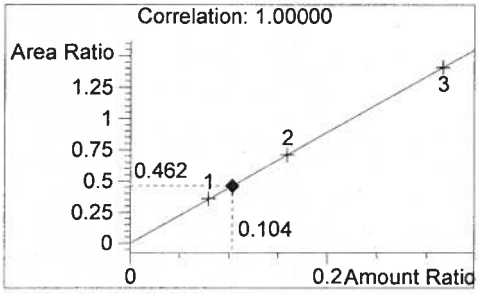
Instrument 1
DB-ALC1

12024-3
Justin Knoy

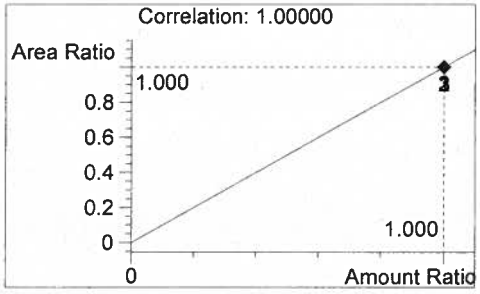
vial # 12



#	Compound	Area	RT
1	Ethanol	1127	1.040
2	n-Propanol	2441	1.704
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

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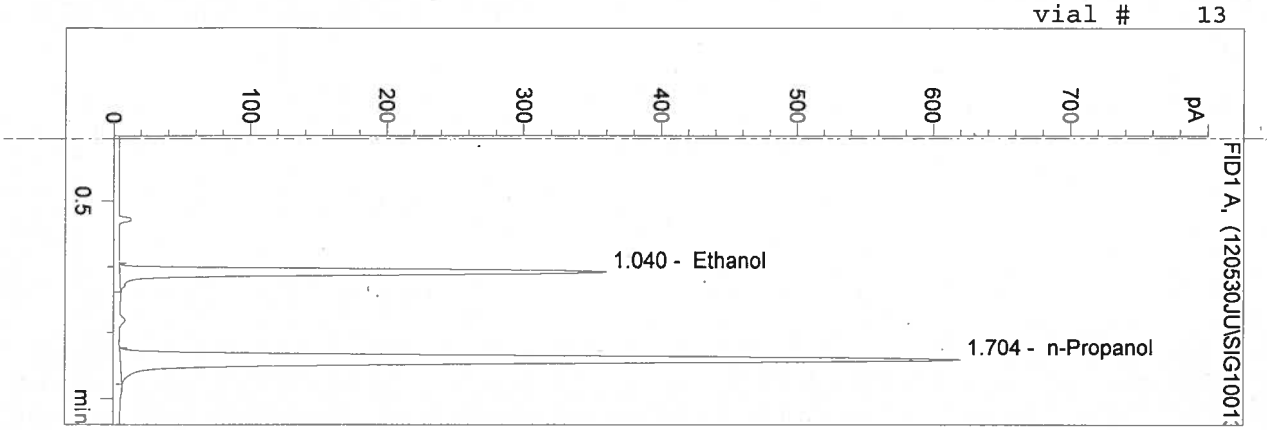
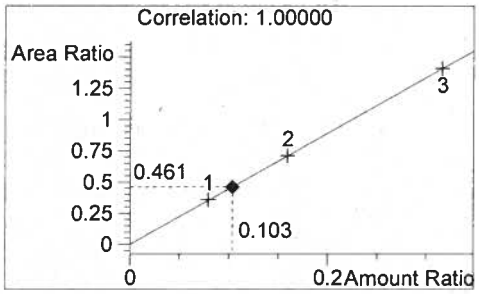
Instrument 1
DB-ALC1

12024-4
Justin Knoy

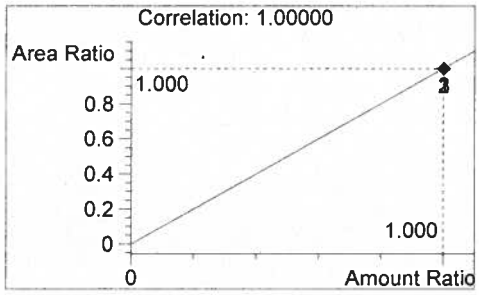
vial # 13



#	Compound	Area	RT
1	Ethanol	1129	1.040
2	n-Propanol	2448	1.704
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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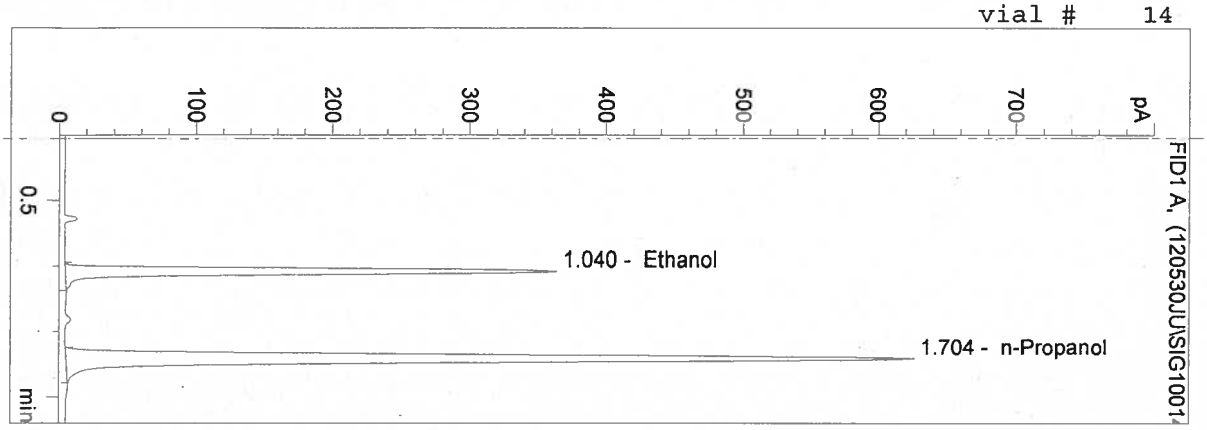
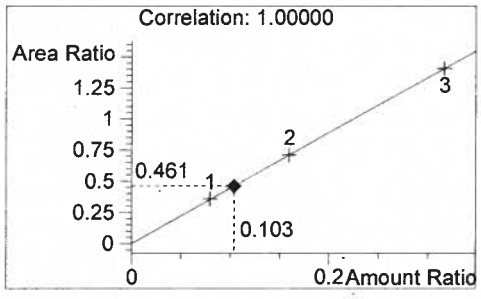
5/30/2012 11:02:48 AM
Instrument 1
DB-ALC1

12024-5
Justin Knoy

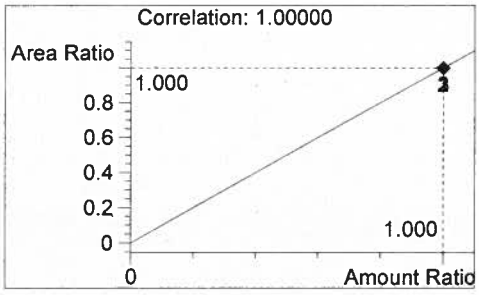
vial # 14



#	Compound	Area	RT
1	Ethanol	1142	1.040
2	n-Propanol	2475	1.704
Tot			



Ethanol 0.103 g/100 mL



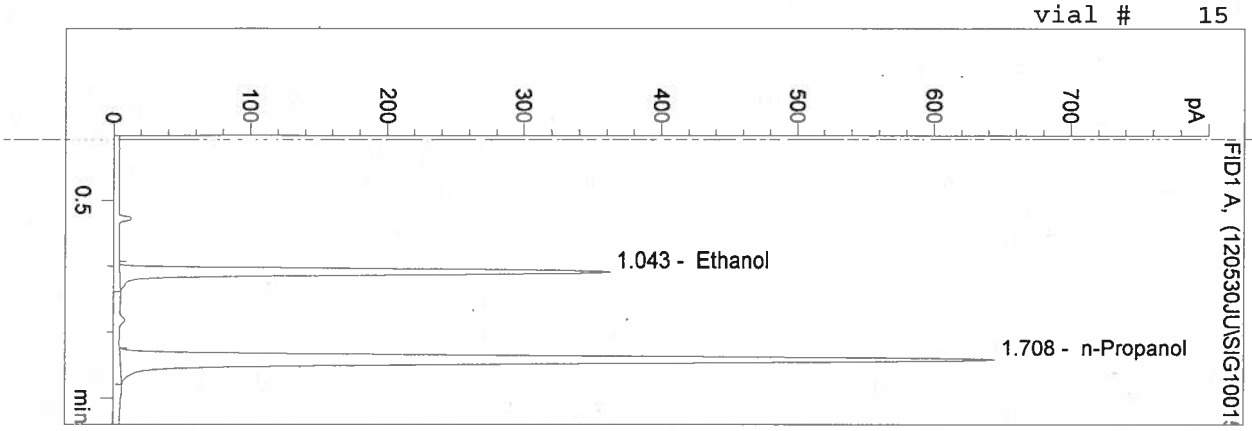
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

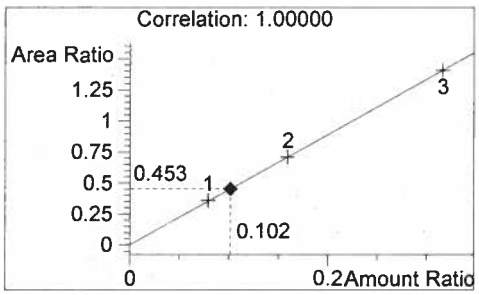
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 11:05:53 AM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

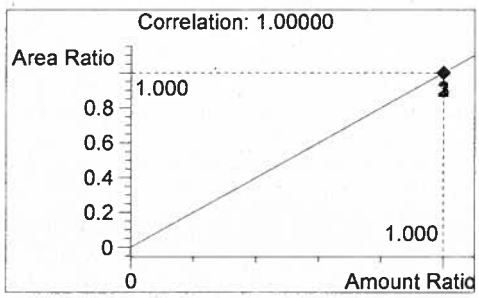
vial # 15



#	Compound	Area	RT
1	Ethanol	1165	1.043
2	n-Propanol	2570	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

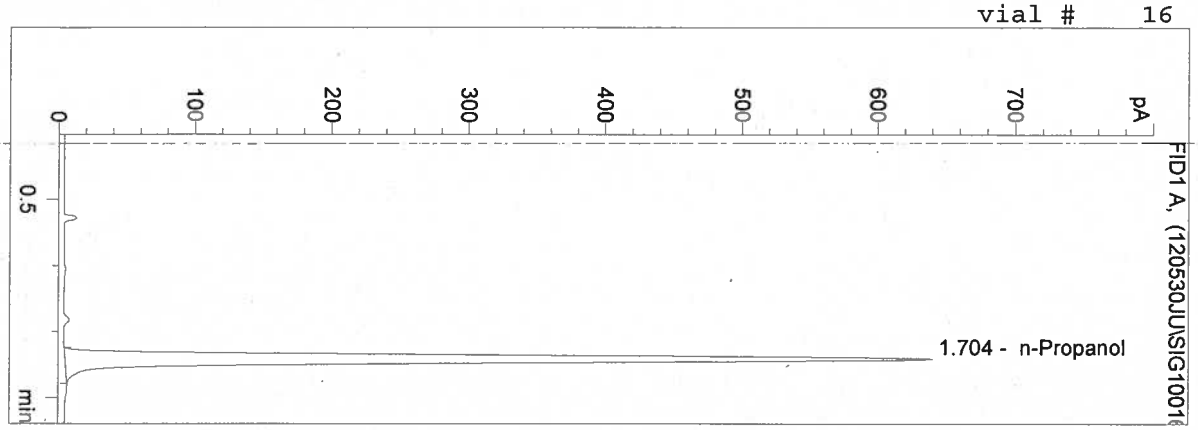
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

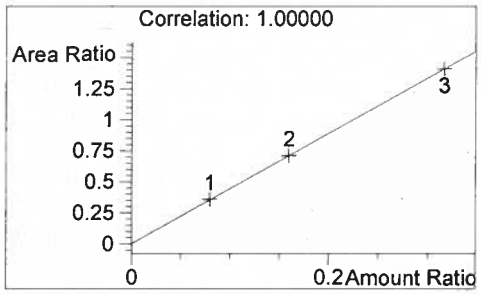
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 11:08:58 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

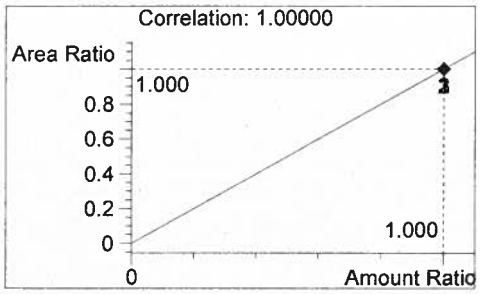
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2533	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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

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

Sequence Table (Front Injector):

Sample Information Part:

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

12024

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ORIGINALS w/12023

16 Vial 16

17 Vial 17

18 Vial 18

19 Vial 19

20 Vial 20

21 Vial 21

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

23 Vial 23

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-CJ	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
10	Vial 10	ESS 12023 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 12023 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 12023 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 12023 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 12023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
17	Vial 17	ESS 12024 #1	SIMALC1	1	Sample		
18	Vial 18	ESS 12024 #2	SIMALC1	1	Sample		
19	Vial 19	ESS 12024 #3	SIMALC1	1	Sample		
20	Vial 20	ESS 12024 #4	SIMALC1	1	Sample		
21	Vial 21	ESS 12024 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

12024

Calibration Table

Calib. Data Modified : Wednesday, May 30, 2012 4:02:10 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	861.05072	9.19574e-5	1		Ethanol
		2	1.59320e-1	1938.34949	8.21936e-5			
		3	3.16260e-1	3401.55469	9.29751e-5			
1.705	1	1	1.00000	2415.32178	4.14024e-4	I1		n-Propanol
		2	1.00000	2685.82983	3.72324e-4			
		3	1.00000	2417.59424	4.13634e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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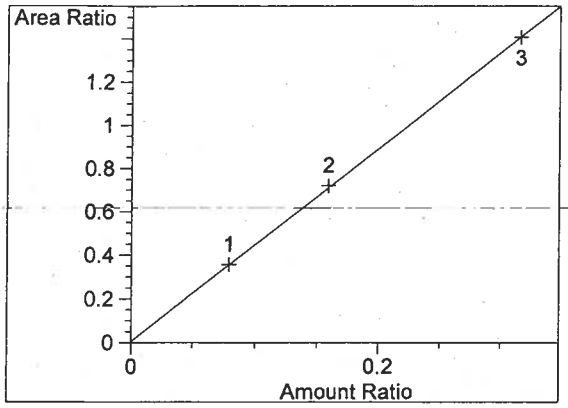
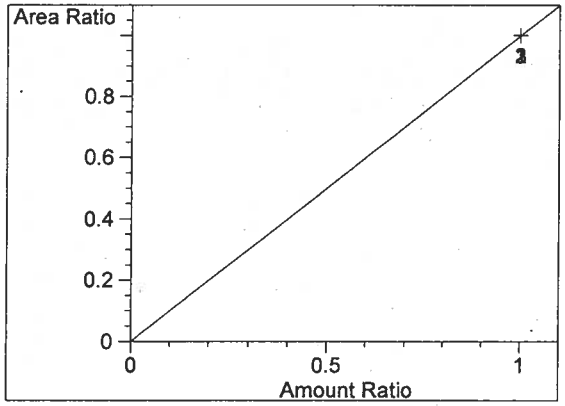


Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00745
Formula: y = mx + b
m: 4.44913
b: 4.24763e-3
x: Amount Ratio
y: Area Ratio



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

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CJ

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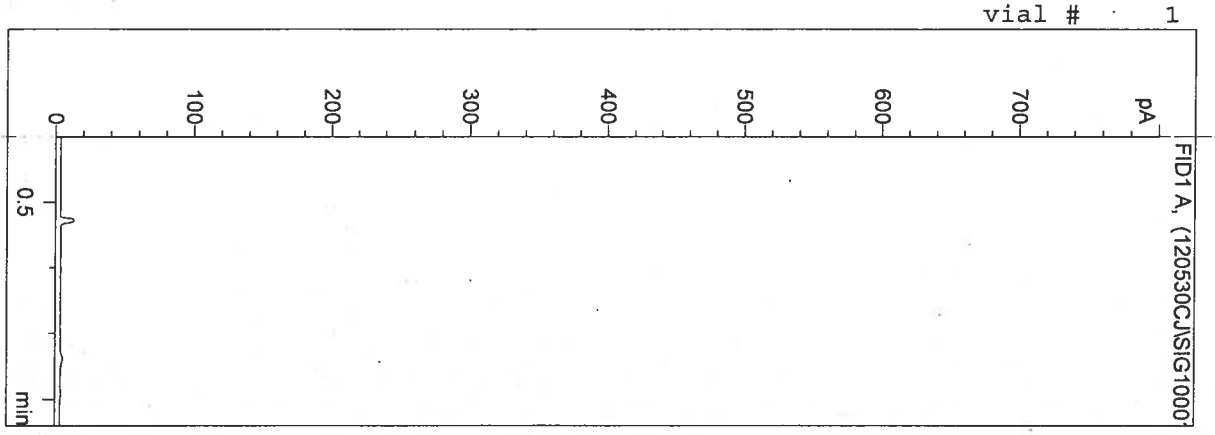
WASHINGTON STATE TOXICOLOGY LABORATORY

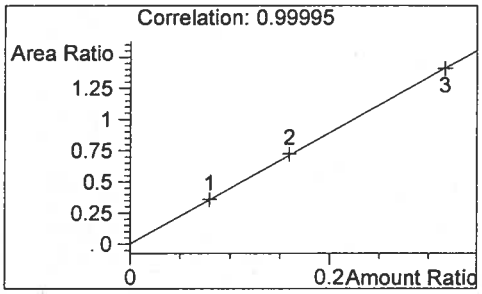
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 3:50:43 PM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

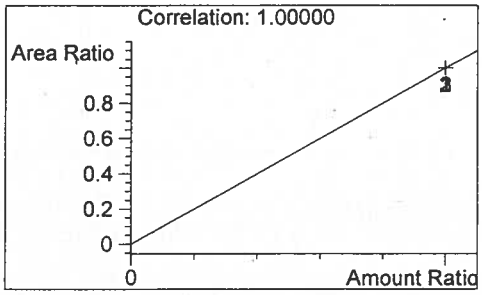
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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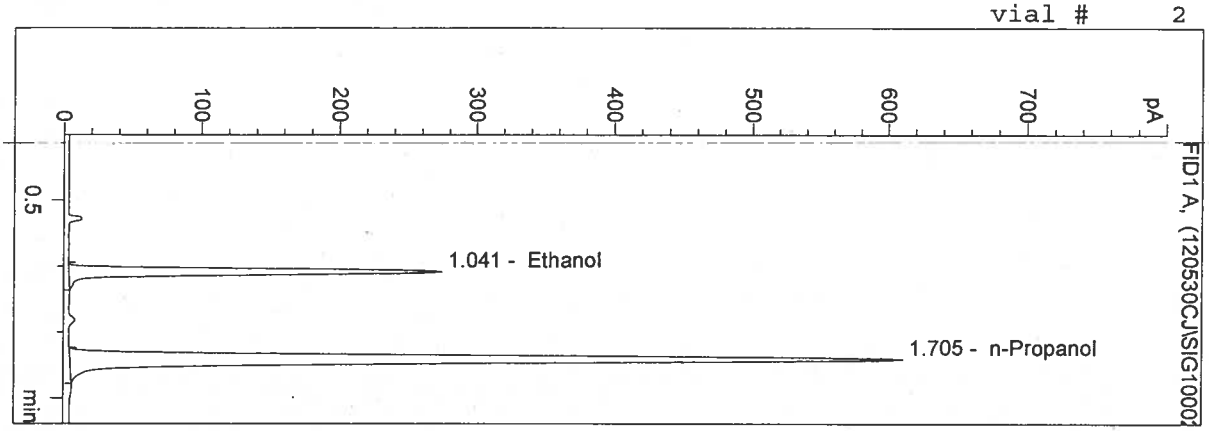
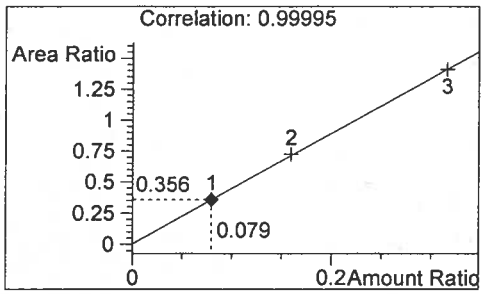
5/30/2012 3:53:48 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

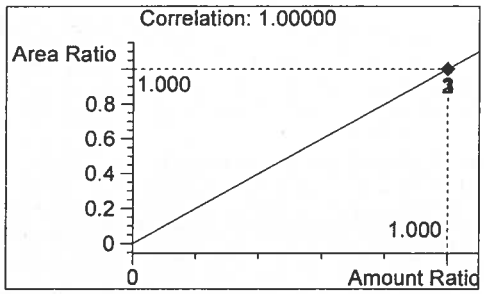
vial # 2



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



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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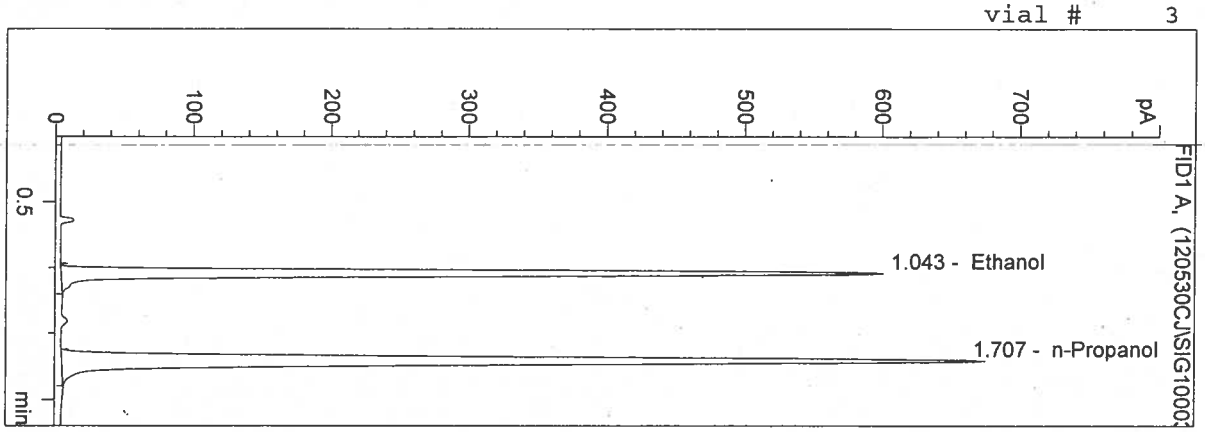
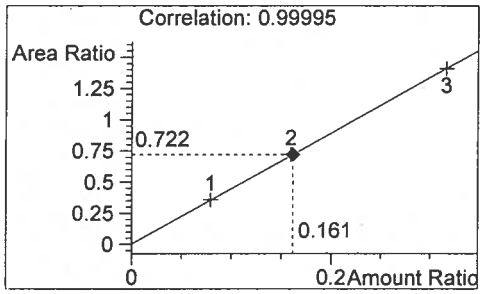
5/30/2012 3:56:53 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

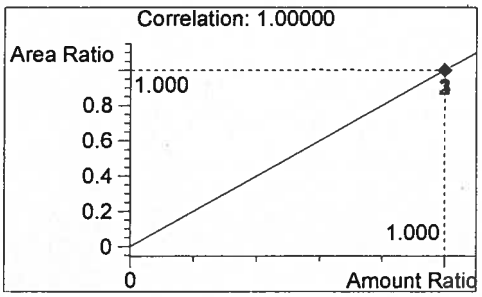
vial # 3



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



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

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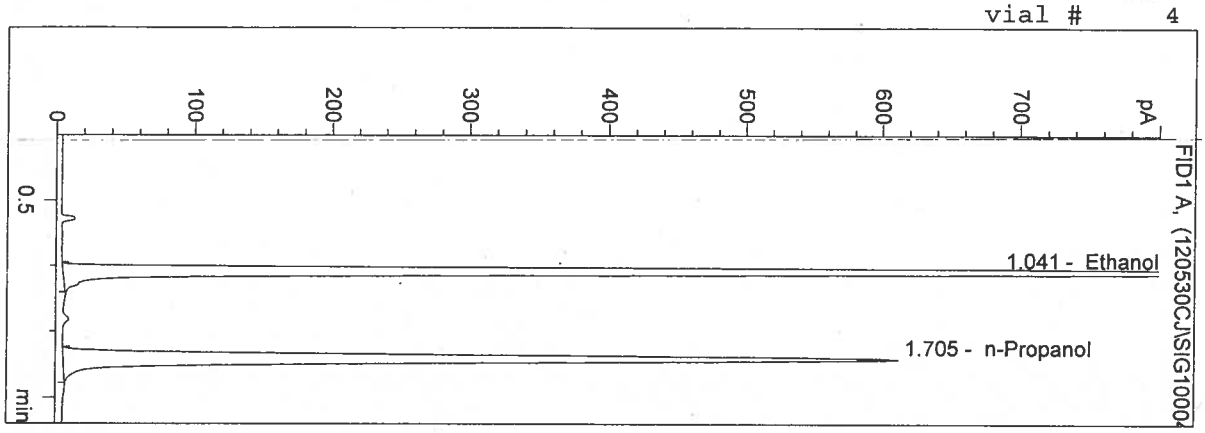
WASHINGTON STATE TOXICOLOGY LABORATORY

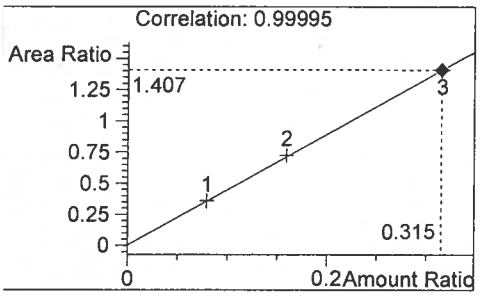
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 3:59:57 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

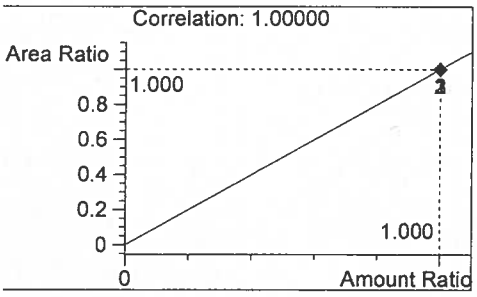
vial # 4



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



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

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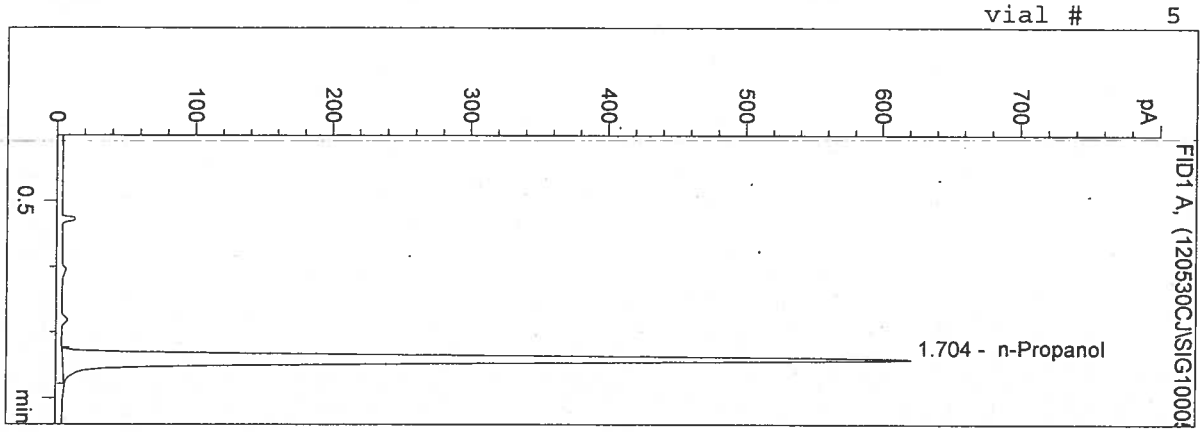
WASHINGTON STATE TOXICOLOGY LABORATORY

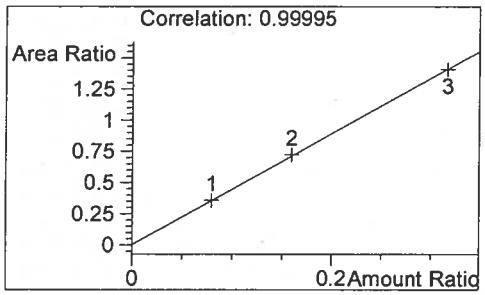
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:03:02 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

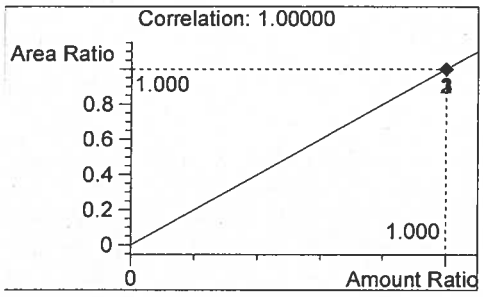
vial # 5



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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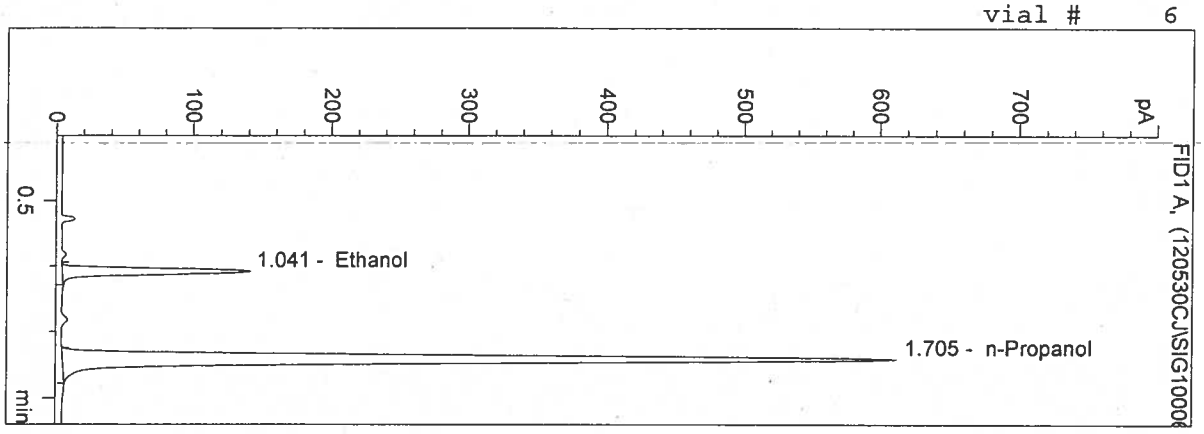
WASHINGTON STATE TOXICOLOGY LABORATORY

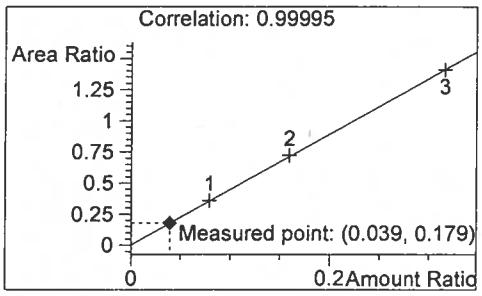
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:06:07 PM
Instrument 1
DB-ALC1

0.04 CTRL-CJ
Chris Johnston

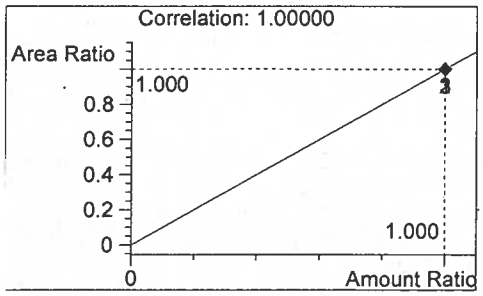
vial # 6



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



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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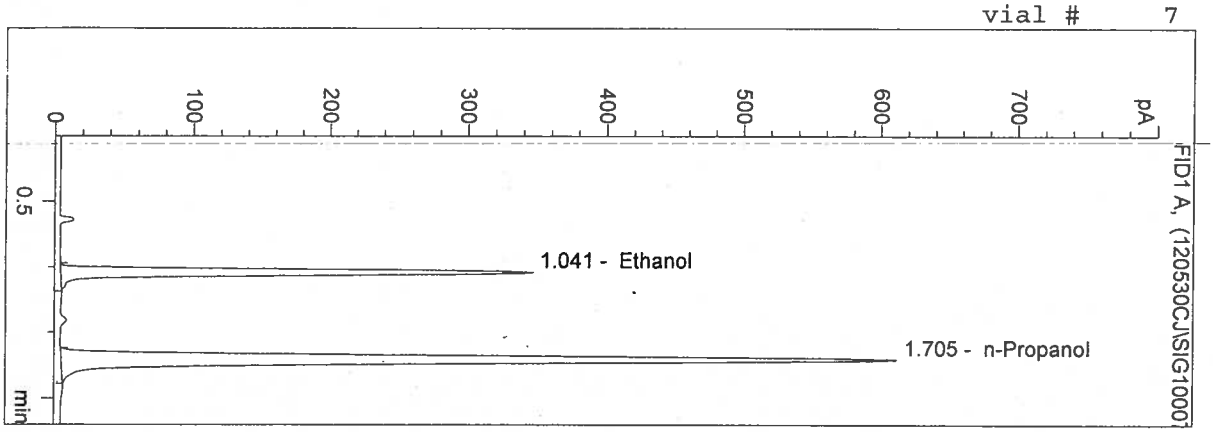
WASHINGTON STATE TOXICOLOGY LABORATORY

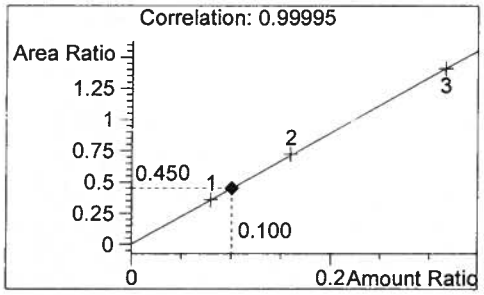
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:09:12 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

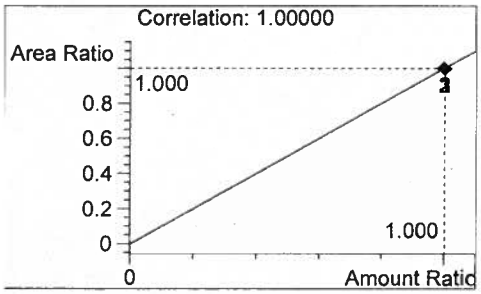
vial # 7



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



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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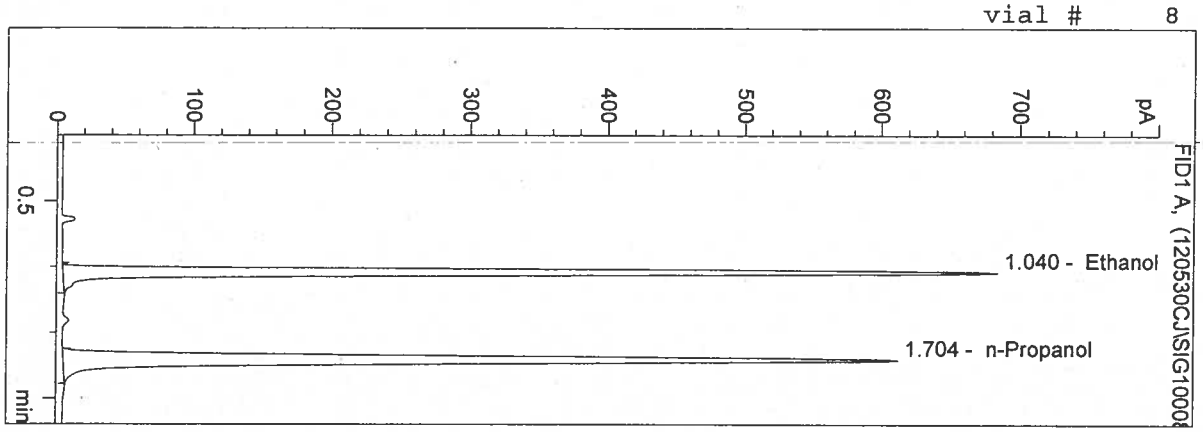
WASHINGTON STATE TOXICOLOGY LABORATORY

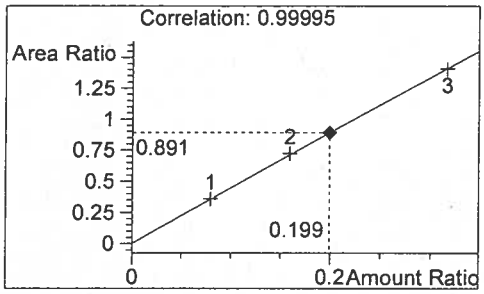
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:12:16 PM
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

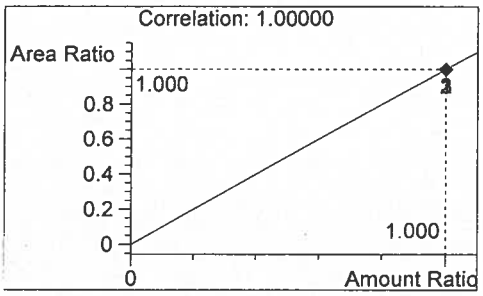
vial # 8



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



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

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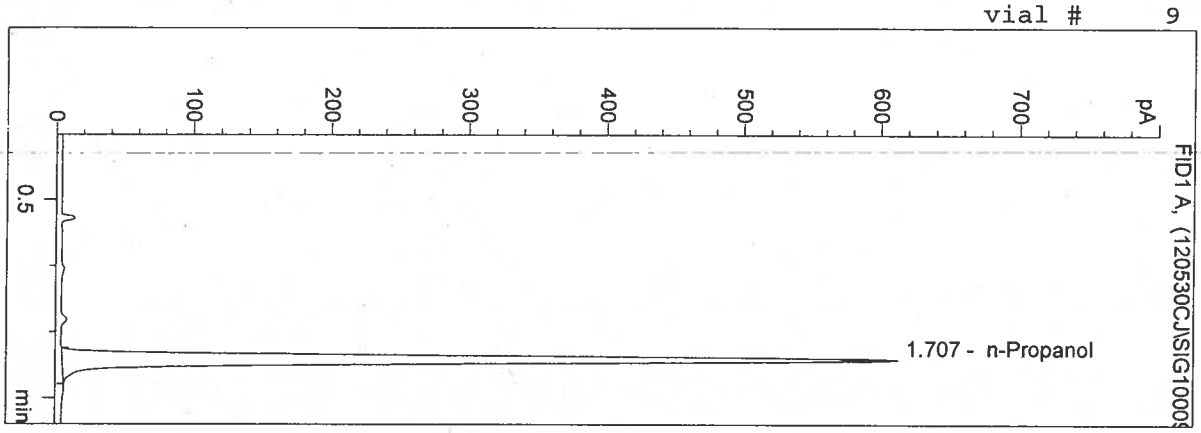
WASHINGTON STATE TOXICOLOGY LABORATORY

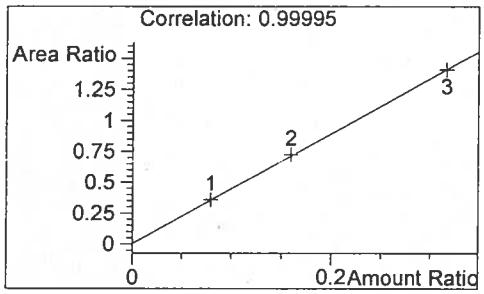
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:15:21 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

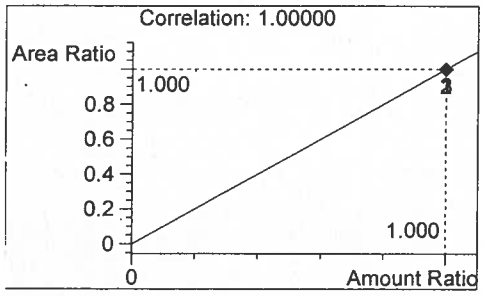
vial # 9



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

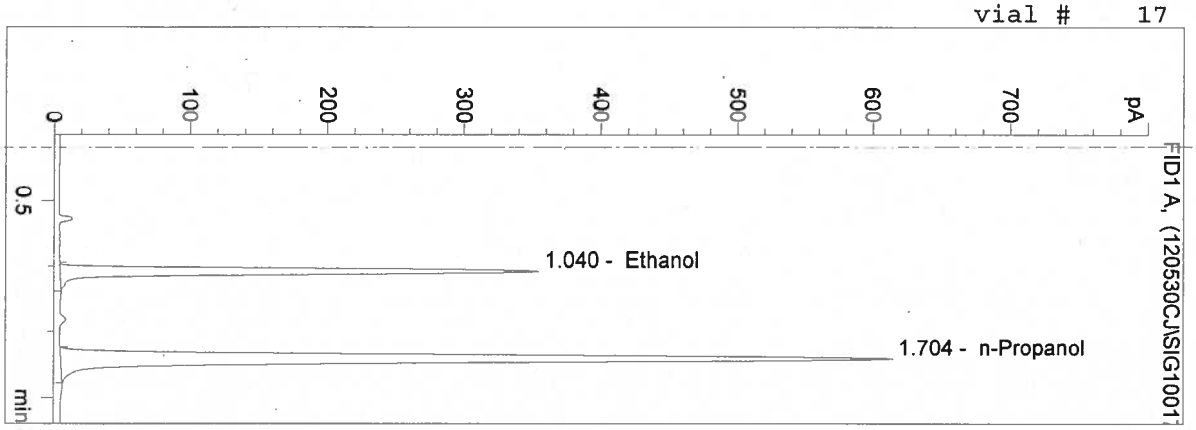
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

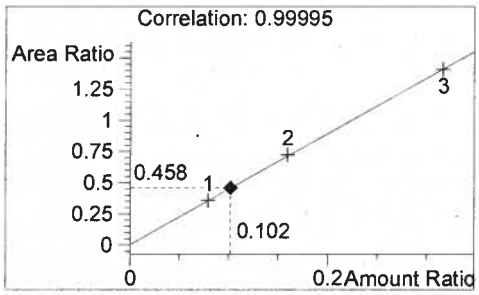
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:39:59 PM
Instrument 1
DB-ALC1

ESS 12024 #1
Chris Johnston

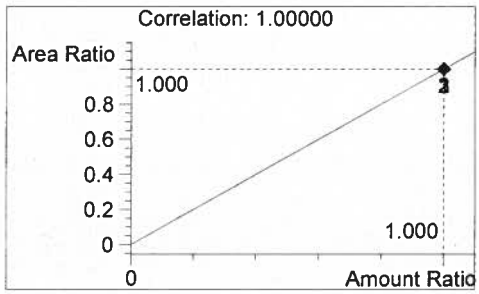
vial # 17



#	Compound	Area	RT
1	Ethanol	1111	1.040
2	n-Propanol	2426	1.704
Tot			



Ethanol 0.102 g/100 mL



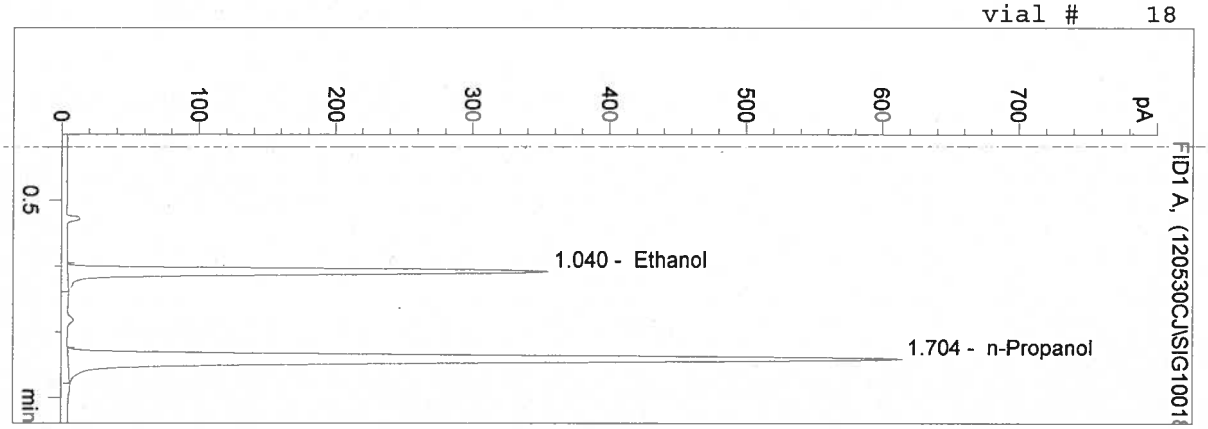
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

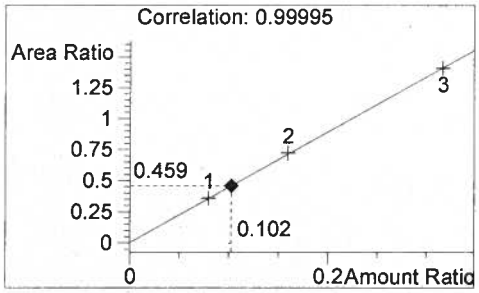
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:43:03 PM
Instrument 1
DB-ALC1

ESS 12024 #2
Chris Johnston

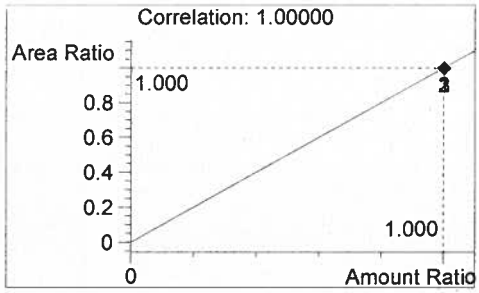
vial # 18



#	Compound	Area	RT
1	Ethanol	1115	1.040
2	n-Propanol	2428	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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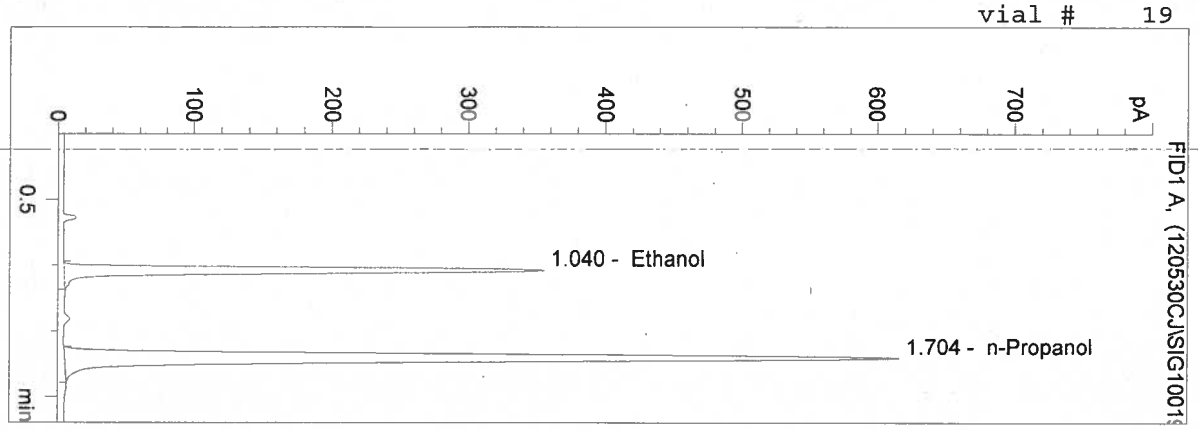
WASHINGTON STATE TOXICOLOGY LABORATORY

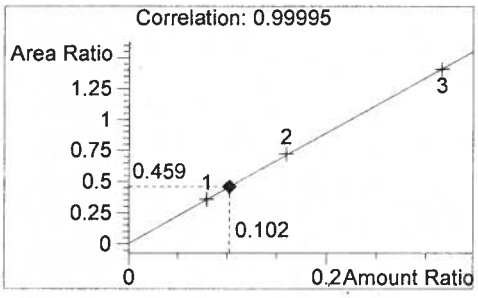
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:46:08 PM
Instrument 1
DB-ALC1

ESS 12024 #3
Chris Johnston

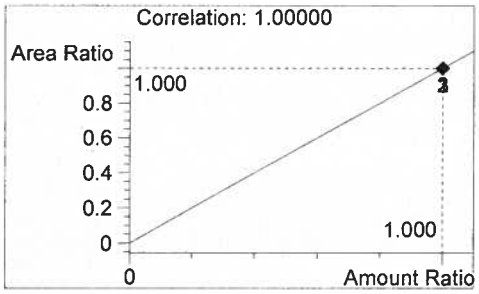
vial # 19



#	Compound	Area	RT
1	Ethanol	1118	1.040
2	n-Propanol	2438	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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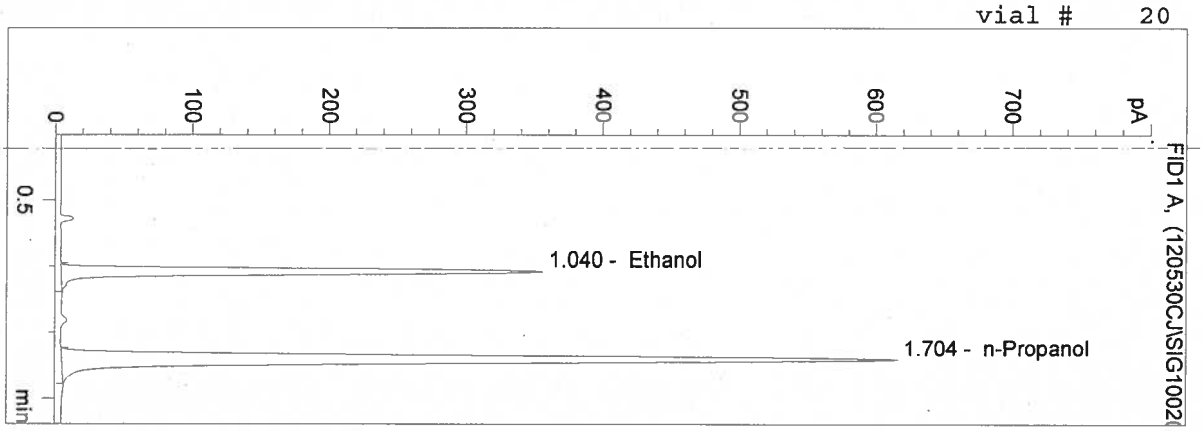
WASHINGTON STATE TOXICOLOGY LABORATORY

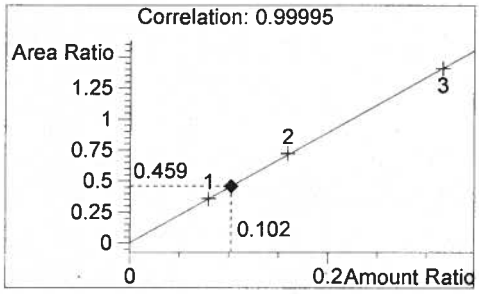
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:49:13 PM
Instrument 1
DB-ALC1

ESS 12024 #4
Chris Johnston

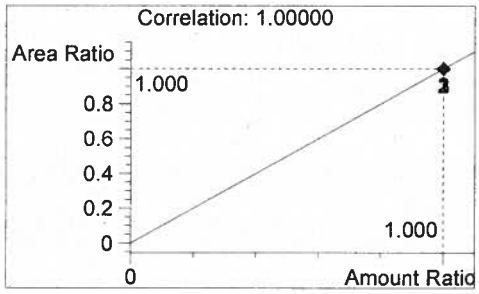
vial # 20



#	Compound	Area	RT
1	Ethanol	1119	1.040
2	n-Propanol	2437	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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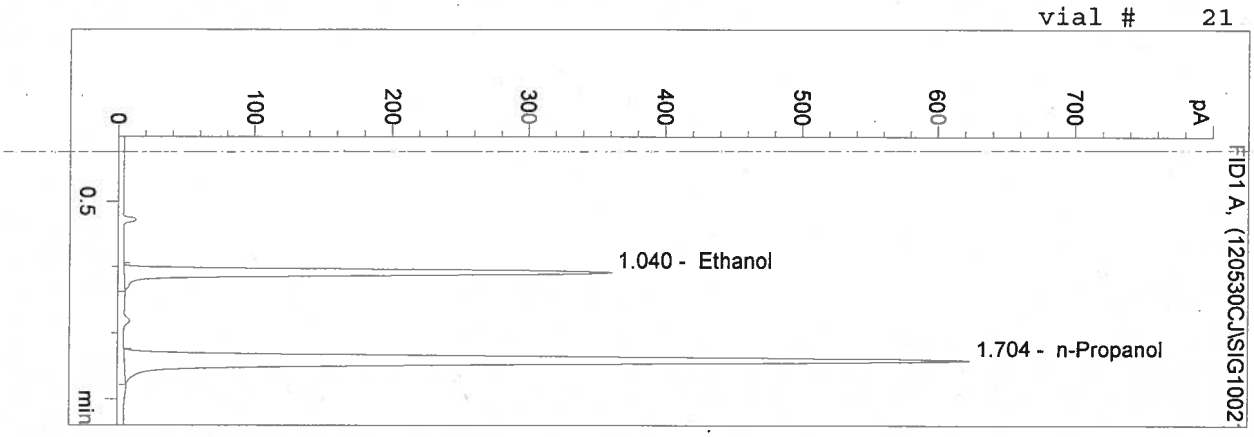
WASHINGTON STATE TOXICOLOGY LABORATORY

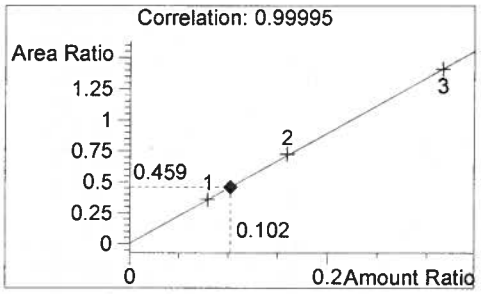
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:52:18 PM
Instrument 1
DB-ALC1

ESS 12024 #5
Chris Johnston

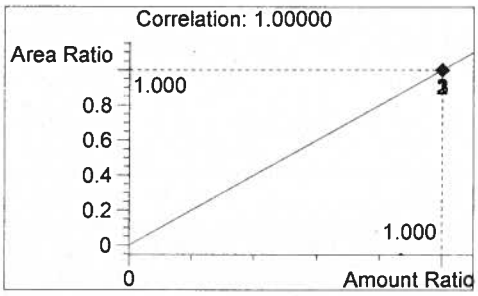
vial # 21



#	Compound	Area	RT
1	Ethanol	1134	1.040
2	n-Propanol	2469	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

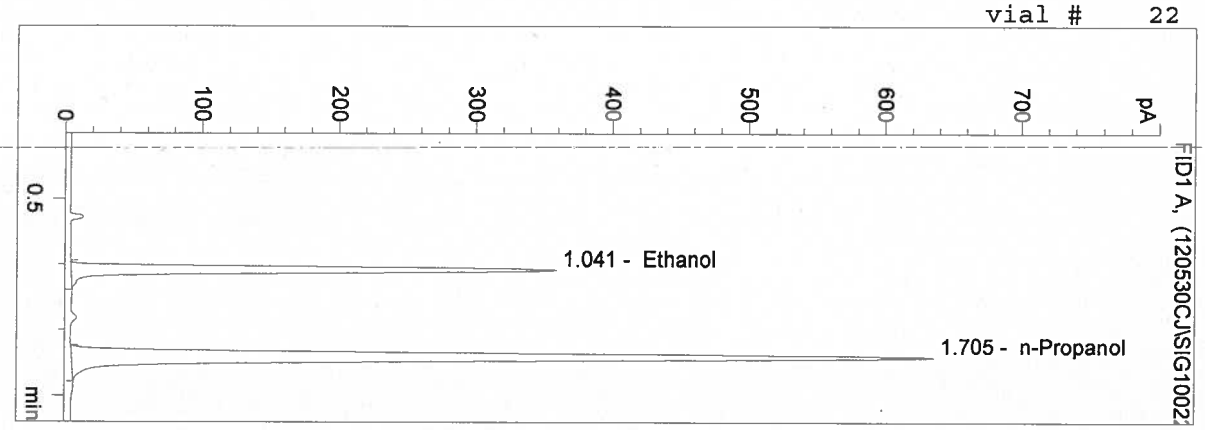
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

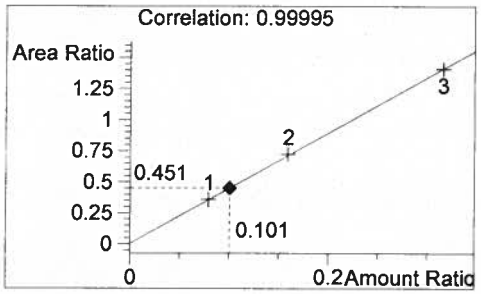
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:55:22 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

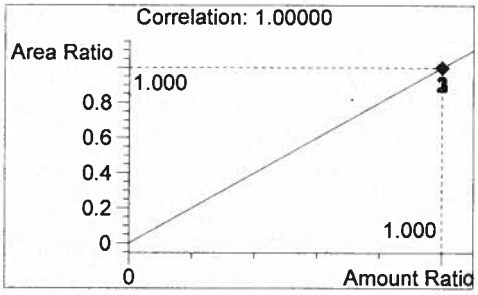
vial # 22



#	Compound	Area	RT
1	Ethanol	1137	1.041
2	n-Propanol	2519	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

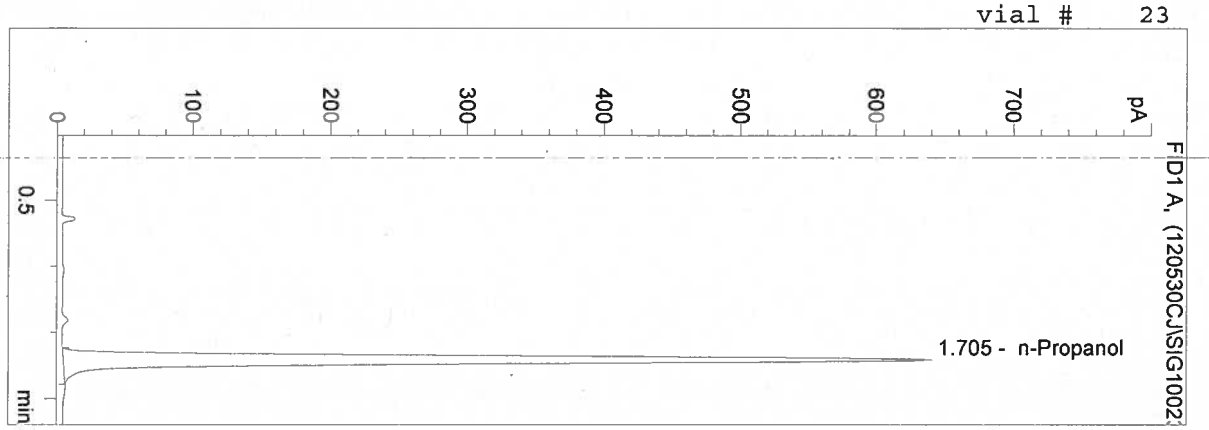
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

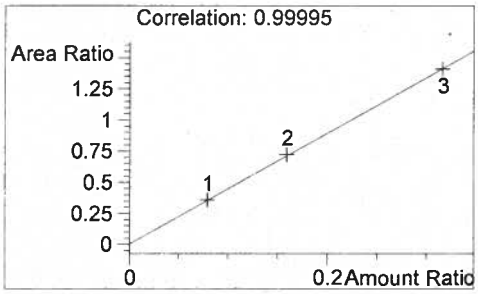
C:\HPCHEM\1\METHODS\SIMALC1.M
5/30/2012 4:58:27 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

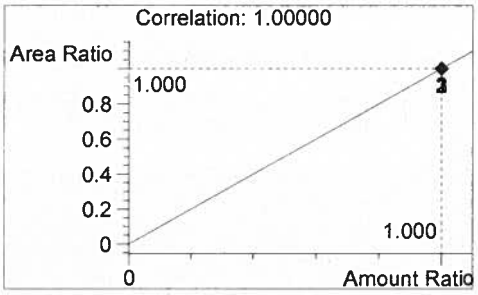
vial # 23



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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

Sequence Parameters:

Operator:	Brittany Ball
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120604BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

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

BB

12024

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

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL BB	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL BB	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL BB	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL BB	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL BB	SIMALC1	1	Ctrl Samp		
10	Vial 10	12024-1	SIMALC1	1	Sample		
11	Vial 11	12024-2	SIMALC1	1	Sample		
12	Vial 12	12024-3	SIMALC1	1	Sample		
13	Vial 13	12024-4	SIMALC1	1	Sample		
14	Vial 14	12024-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL BB	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL BB	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

BB

12024

Calibration Table

Calib. Data Modified : Monday, June 04, 2012 10:16:49 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	988.31769	8.01159e-5	1		Ethanol
		2	1.59320e-1	1875.00781	8.49703e-5			
		3	3.16260e-1	3865.55200	8.18150e-5			
1.705	1	1	1.00000	2697.80029	3.70672e-4	I1		n-Propanol
		2	1.00000	2594.34082	3.85454e-4			
		3	1.00000	2666.81787	3.74979e-4			

Peak Sum Table

BB

No Entries in table

12024

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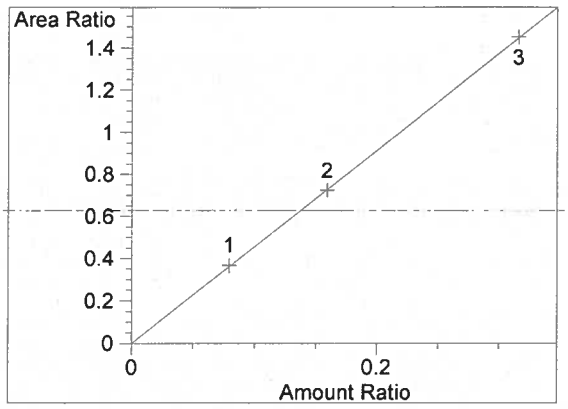
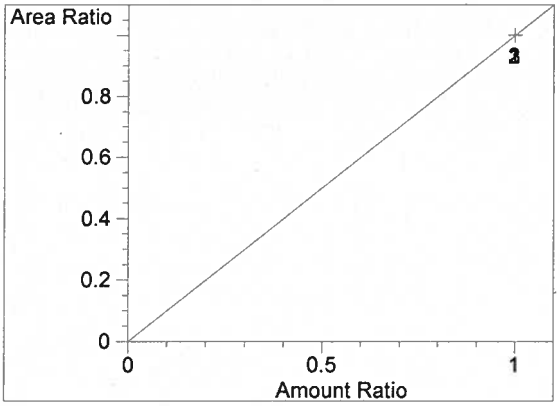
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00554
Formula: y = mx + b
m: 4.57670
b: -9.90596e-5
x: Amount Ratio
y: Area Ratio



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

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BB

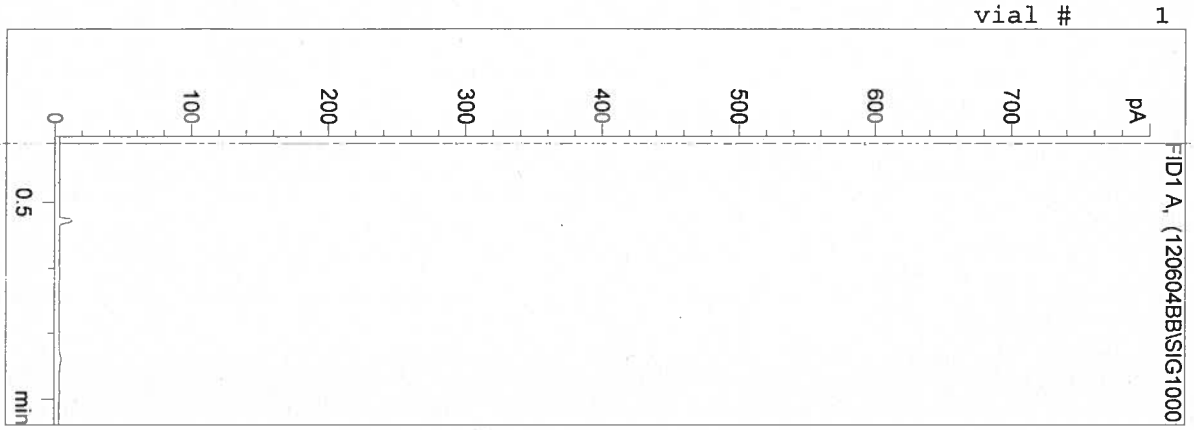
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

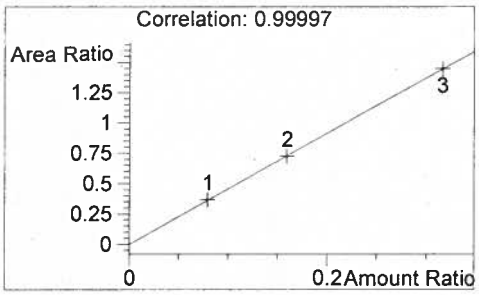
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:05:21 AM
Instrument 1
DB-ALC1

BLANK
Brittany Ball

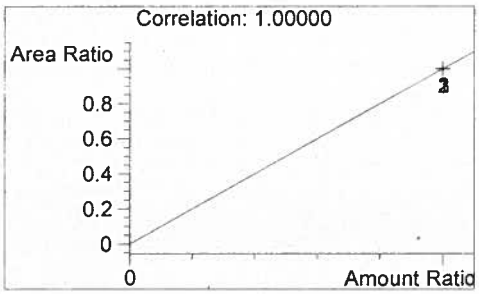
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

BB

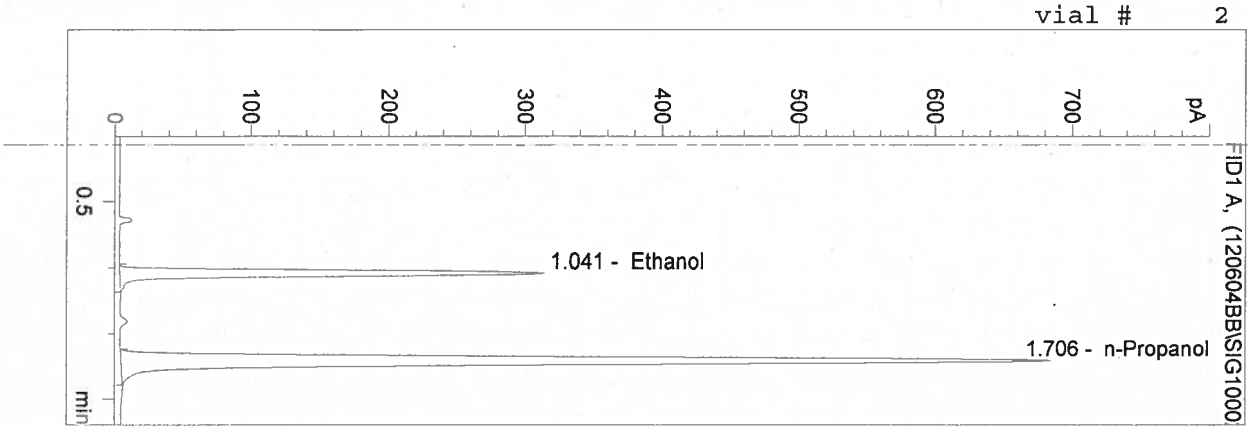
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

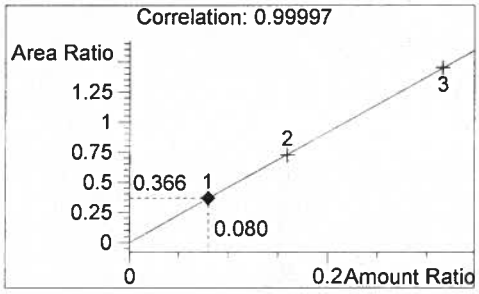
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:08:26 AM
Instrument 1
DB-ALC1

0.079 CAL
Brittany Ball

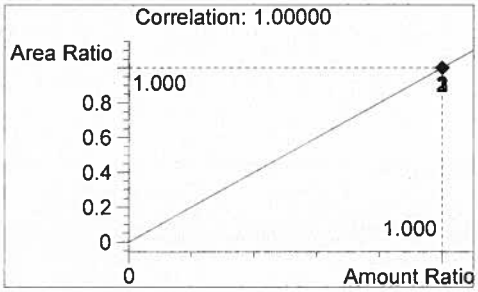
vial # 2



#	Compound	Area	RT
1	Ethanol	988	1.041
2	n-Propanol	2698	1.706
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

BB

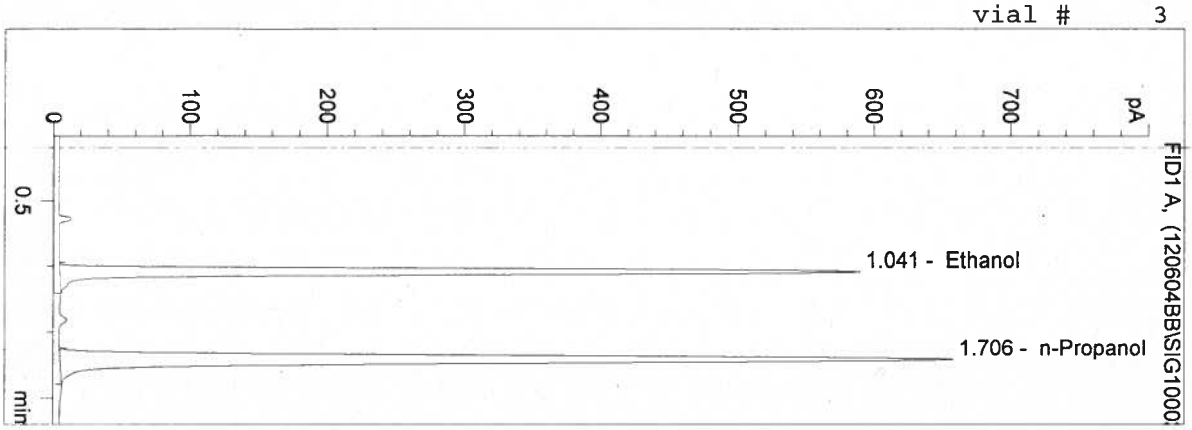
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

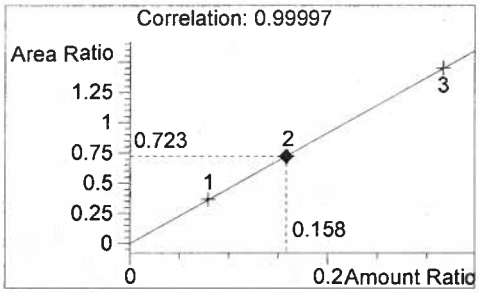
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:11:31 AM
Instrument 1
DB-ALC1

0.158 CAL
Brittany Ball

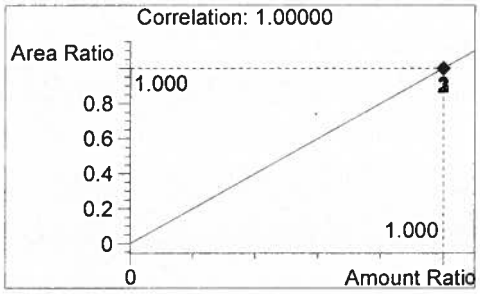
vial # 3



#	Compound	Area	RT
1	Ethanol	1875	1.041
2	n-Propanol	2594	1.706
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

BB

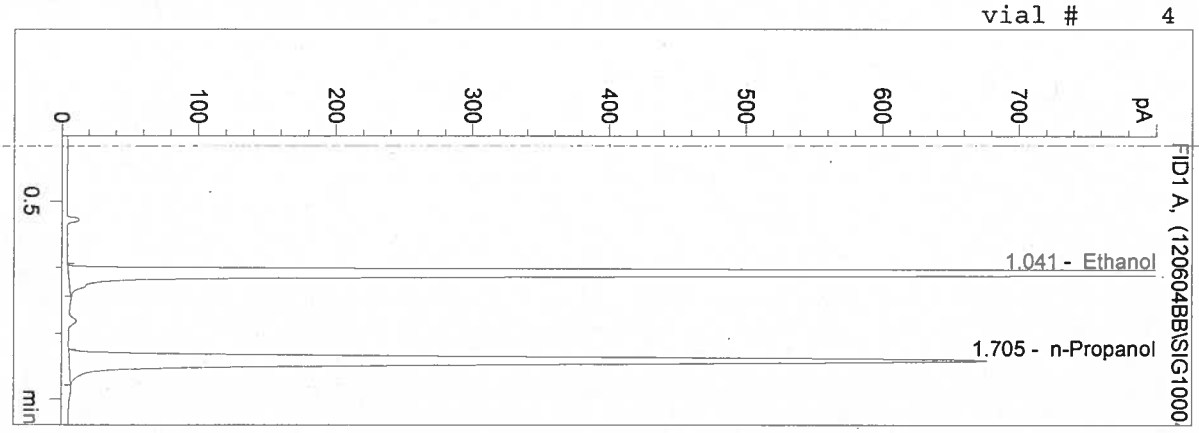
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

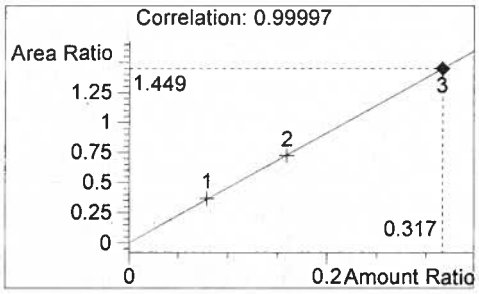
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:14:35 AM
Instrument 1
DB-ALC1

0.316 CAL
Brittany Ball

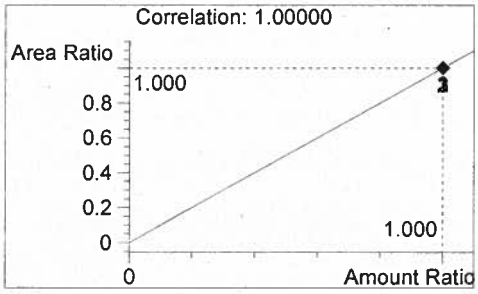
vial # 4



#	Compound	Area	RT
1	Ethanol	3866	1.041
2	n-Propanol	2667	1.705
Tot			



Ethanol 0.317 g/100 mL



n-Propanol 1.000 g/100 mL

BB

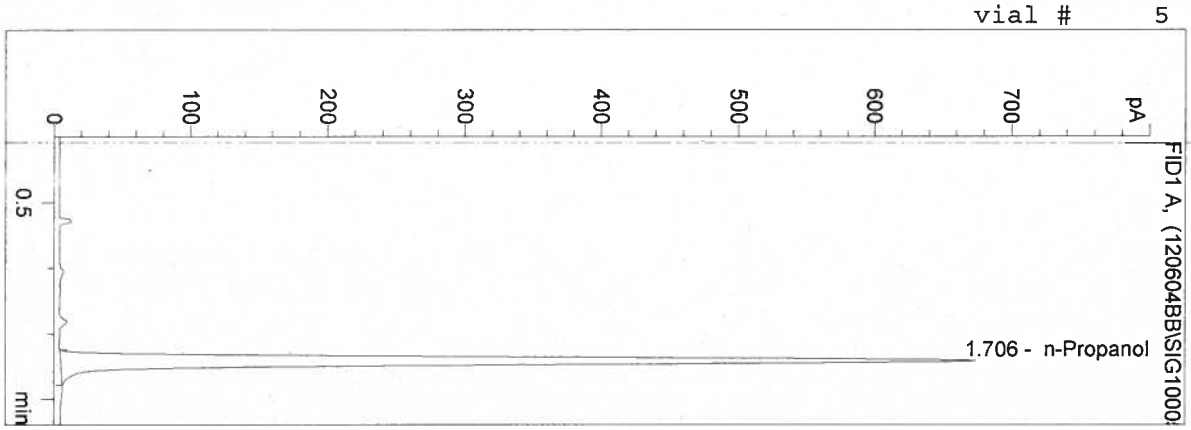
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

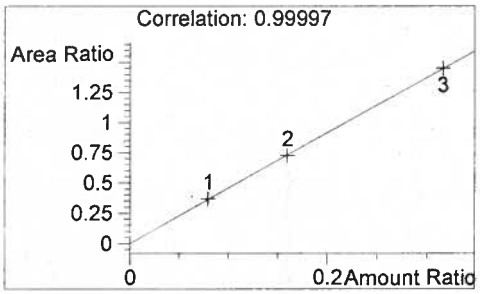
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:17:40 AM
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

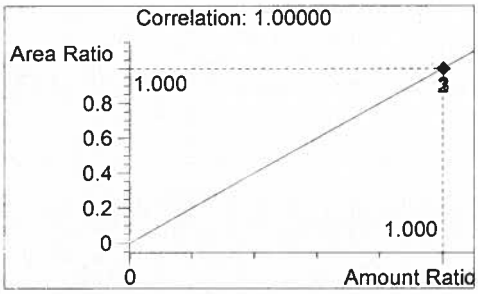
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2661	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BB

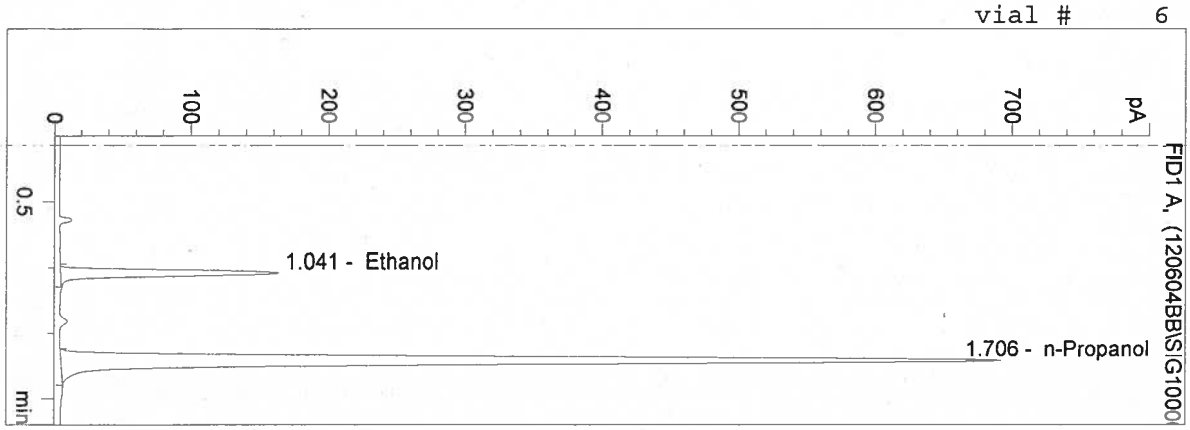
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

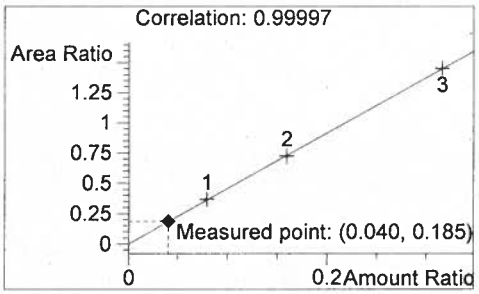
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:20:45 AM
Instrument 1
DB-ALC1

0.04 CTRL BB
Brittany Ball

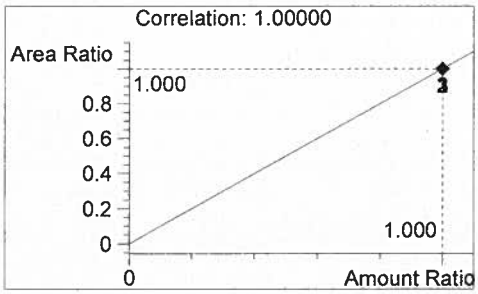
vial # 6



#	Compound	Area	RT
1	Ethanol	505	1.041
2	n-Propanol	2739	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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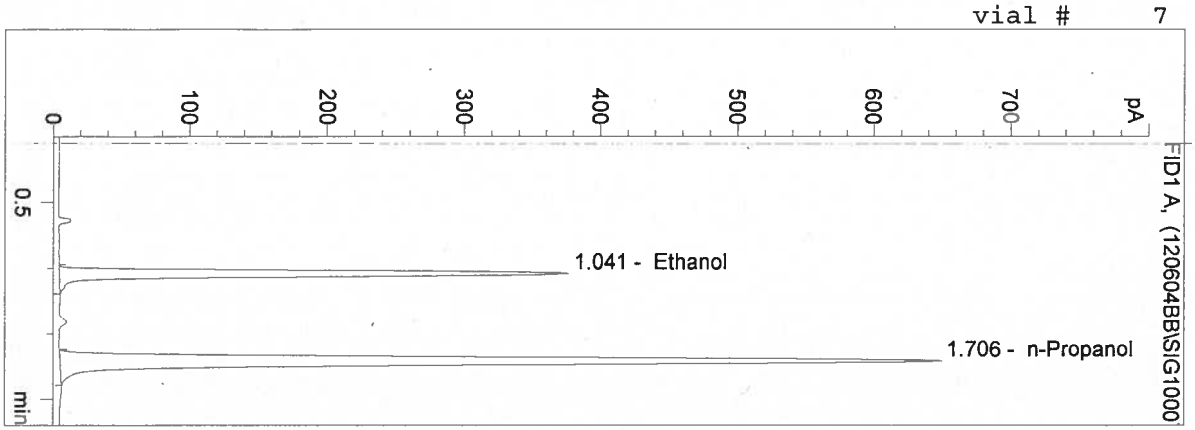
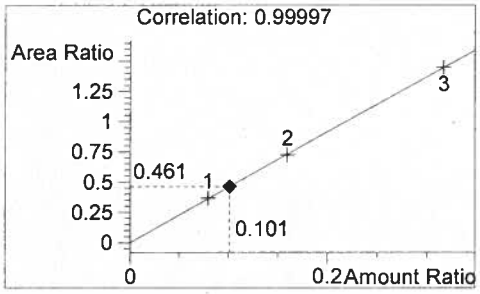
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:23:50 AM
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

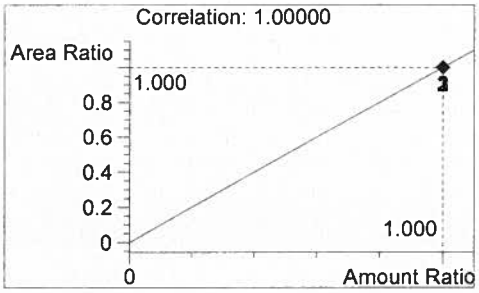
vial # 7



#	Compound	Area	RT
1	Ethanol	1186	1.041
2	n-Propanol	2572	1.706
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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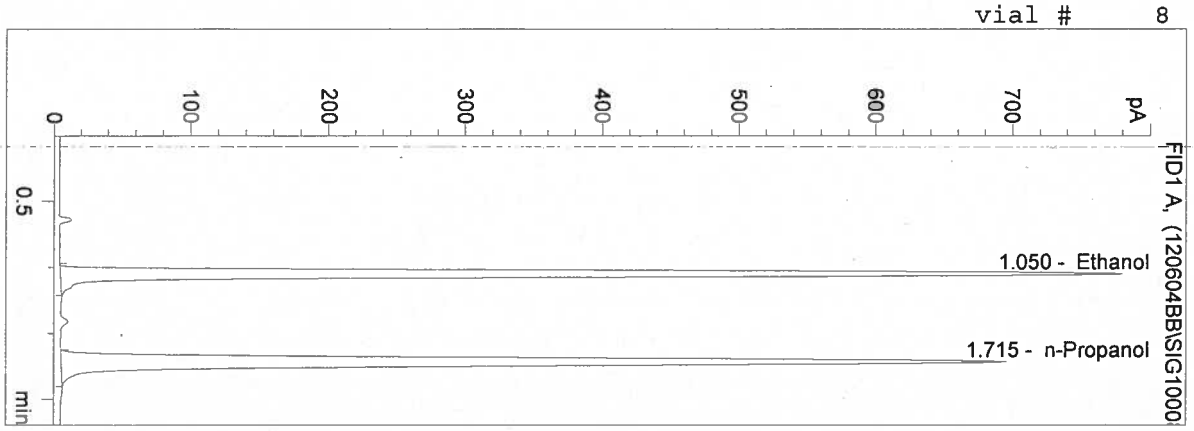
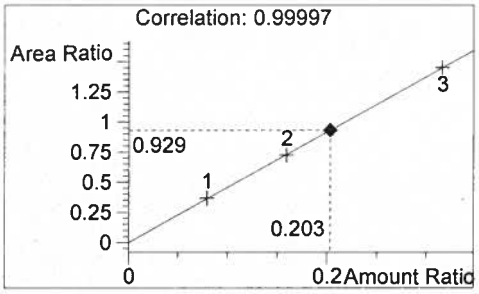
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:26:54 AM
Instrument 1
DB-ALC1

0.20 CTRL BB
Brittany Ball

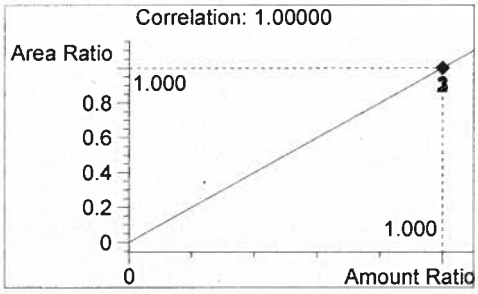
vial # 8



#	Compound	Area	RT
1	Ethanol	2626	1.050
2	n-Propanol	2826	1.715
Tot			



Ethanol 0.203 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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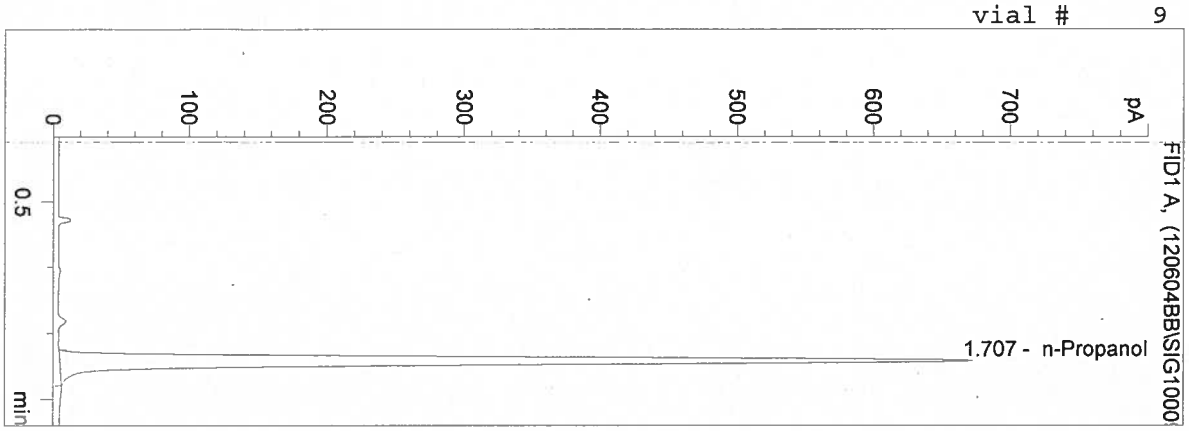
WASHINGTON STATE TOXICOLOGY LABORATORY

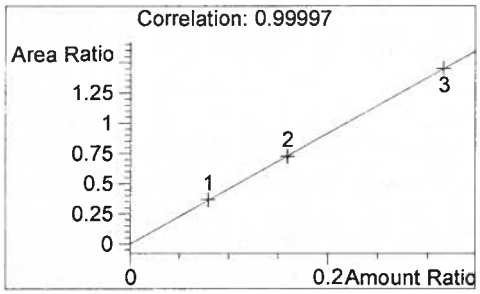
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:29:59 AM
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

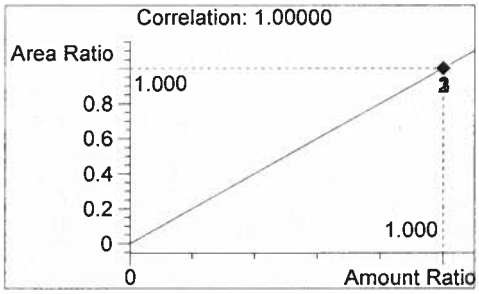
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2664	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BB

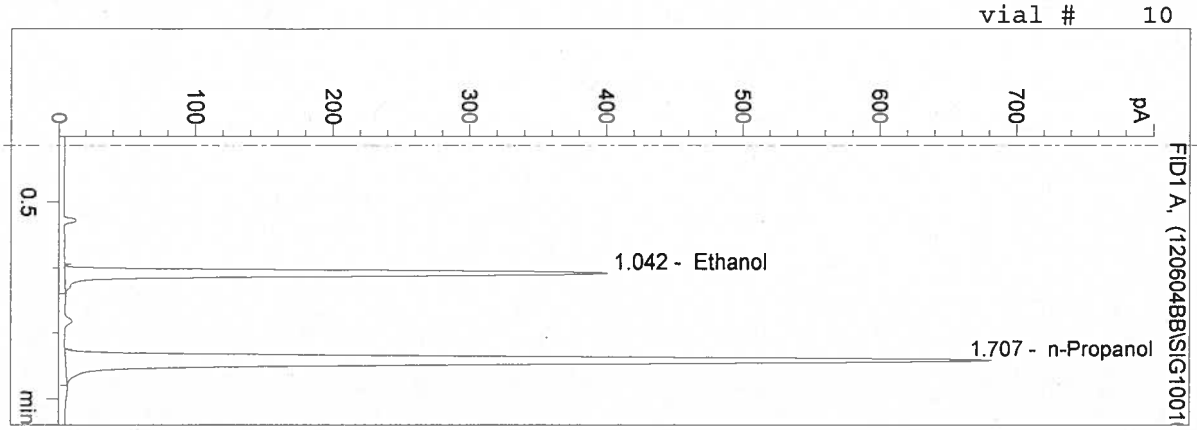
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

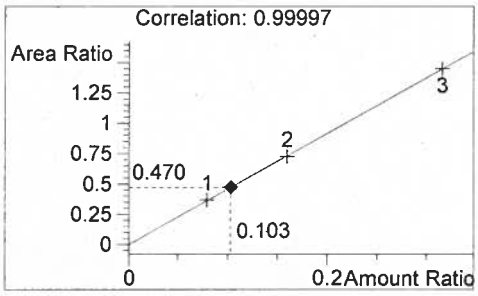
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:33:04 AM
Instrument 1
DB-ALC1

12024-1
Brittany Ball

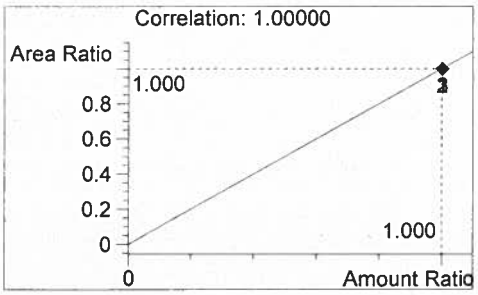
vial # 10



#	Compound	Area	RT
1	Ethanol	1267	1.042
2	n-Propanol	2697	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

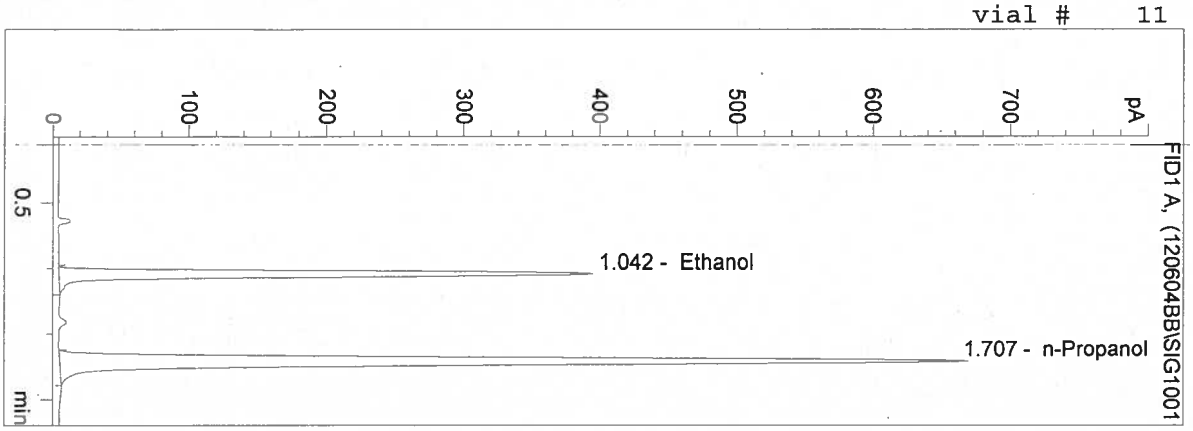
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

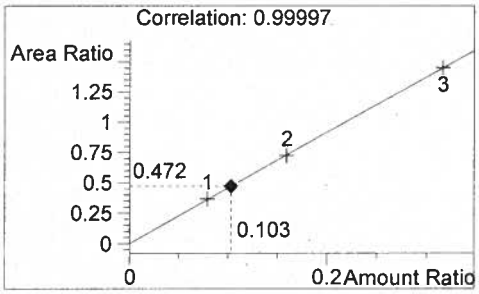
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:36:08 AM
Instrument 1
DB-ALC1

12024-2
Brittany Ball

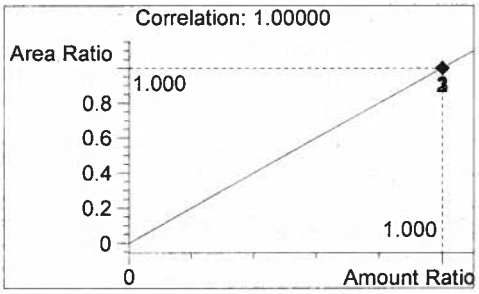
vial # 11



#	Compound	Area	RT
1	Ethanol	1247	1.042
2	n-Propanol	2643	1.707
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

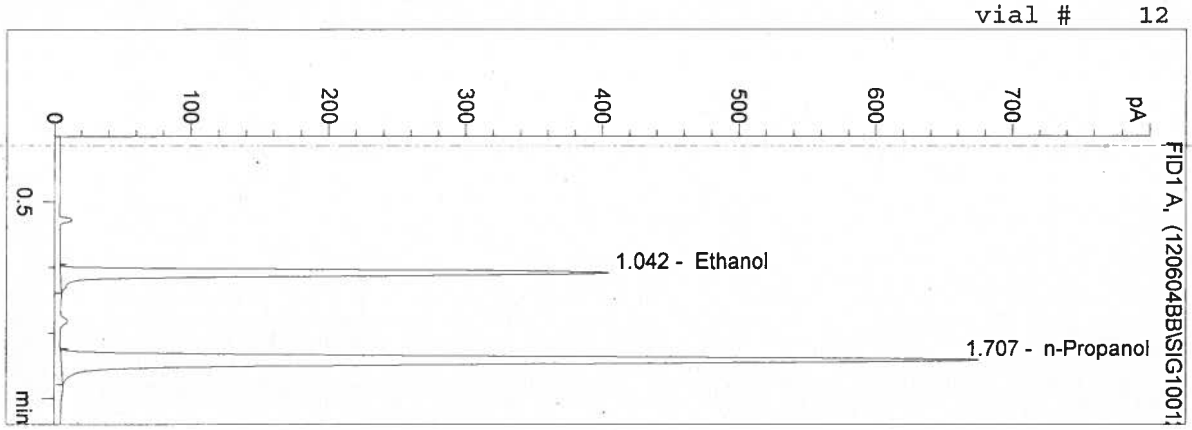
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

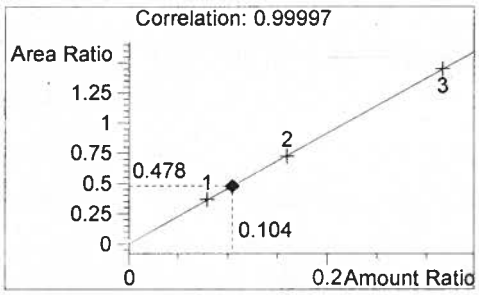
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:39:13 AM
Instrument 1
DB-ALC1

12024-3
Brittany Ball

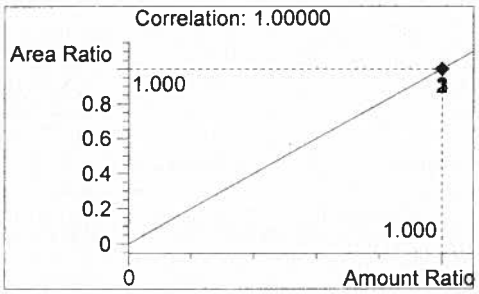
vial # 12



#	Compound	Area	RT
1	Ethanol	1272	1.042
2	n-Propanol	2663	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

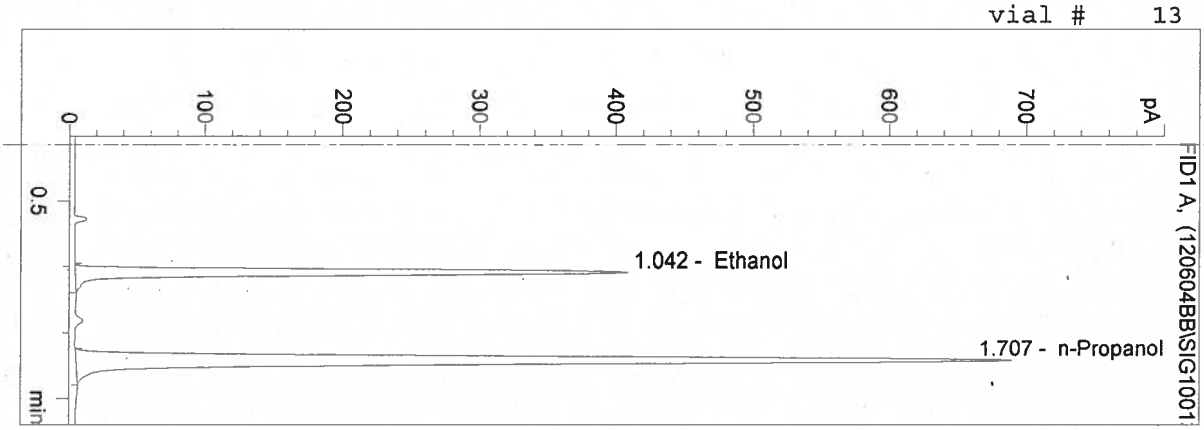
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

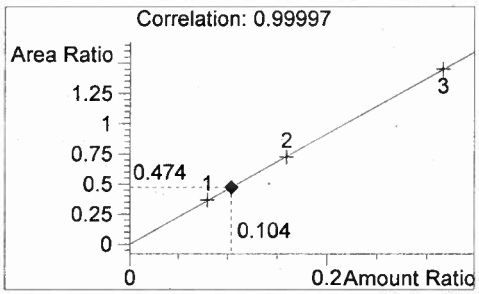
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:42:18 AM
Instrument 1
DB-ALC1

12024-4
Brittany Ball

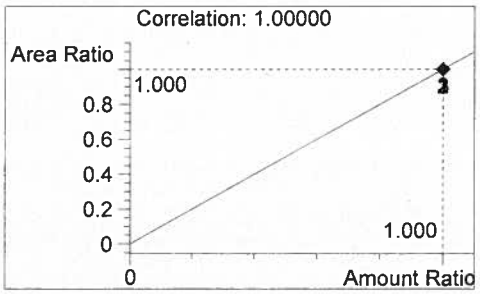
vial # 13



#	Compound	Area	RT
1	Ethanol	1291	1.042
2	n-Propanol	2726	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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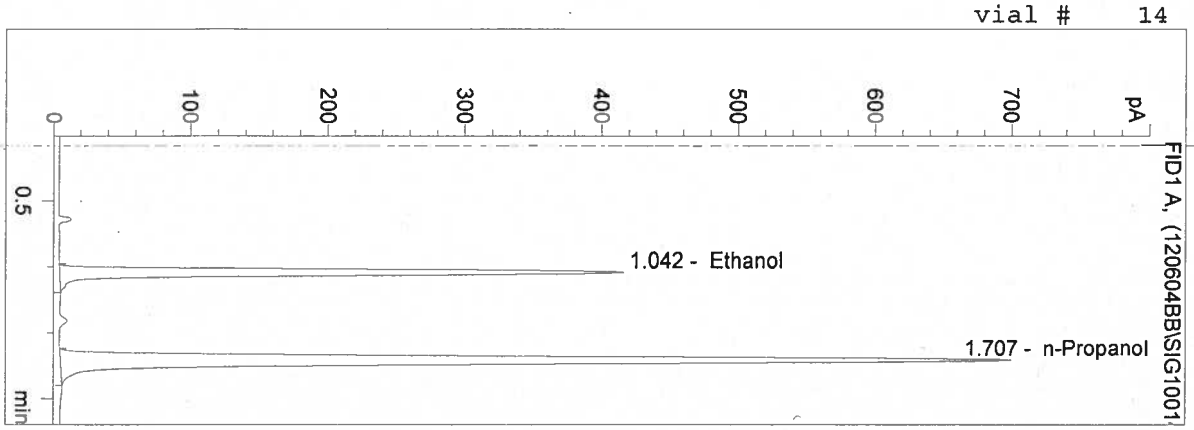
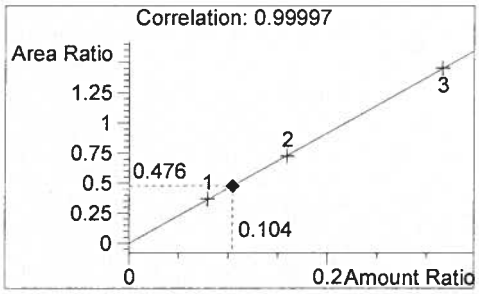
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:45:23 AM
Instrument 1
DB-ALC1

12024-5
Brittany Ball

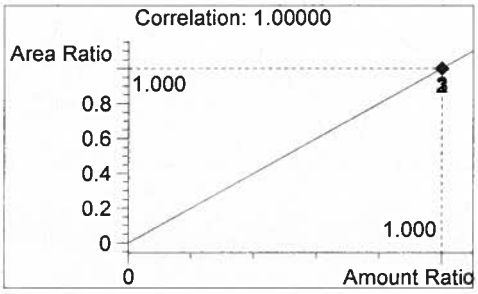
vial # 14



#	Compound	Area	RT
1	Ethanol	1317	1.042
2	n-Propanol	2766	1.707
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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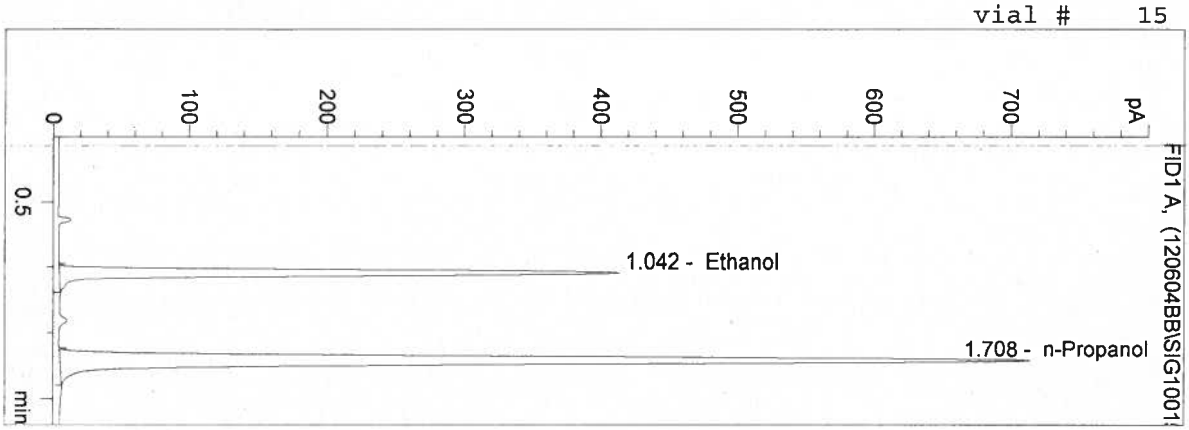
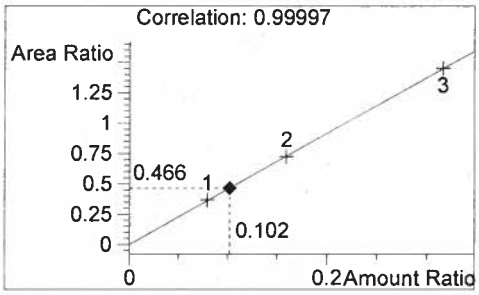
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:48:27 AM
Instrument 1
DB-ALC1

0.10 CTRL BB
Brittany Ball

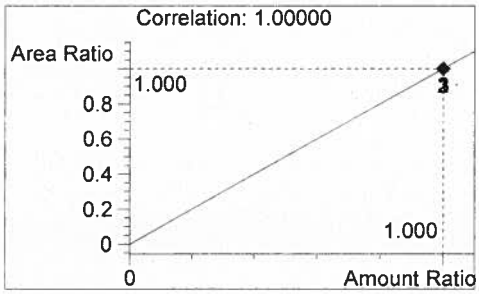
vial # 15



#	Compound	Area	RT
1	Ethanol	1317	1.042
2	n-Propanol	2827	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BB

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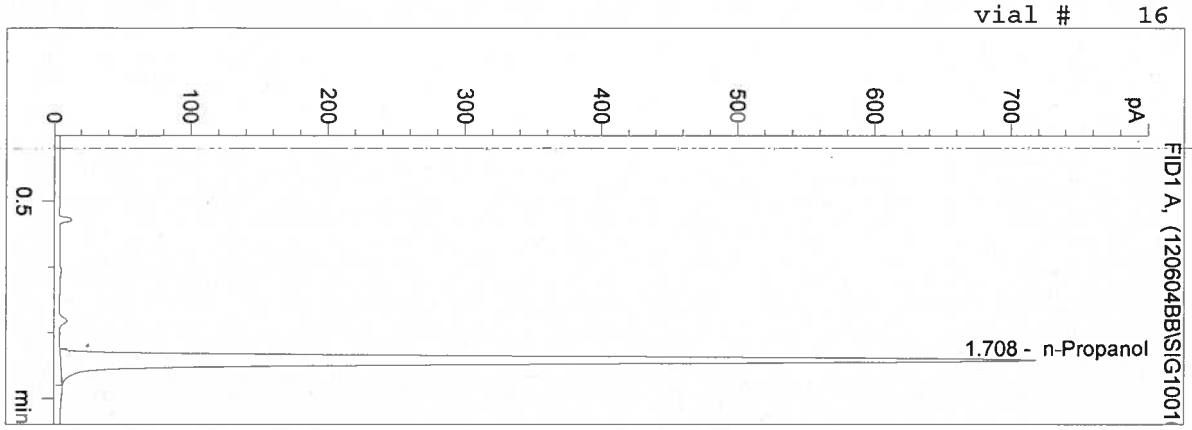
WASHINGTON STATE TOXICOLOGY LABORATORY

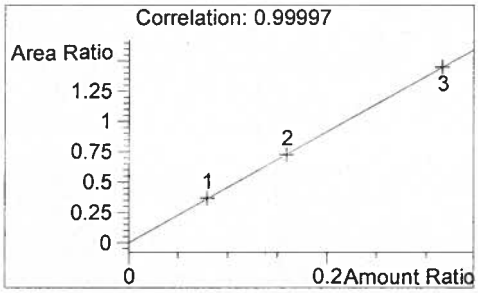
C:\HPCHEM\1\METHODS\SIMALC1.M
6/4/2012 10:51:32 AM
Instrument 1
DB-ALC1

NEG CTRL BB
Brittany Ball

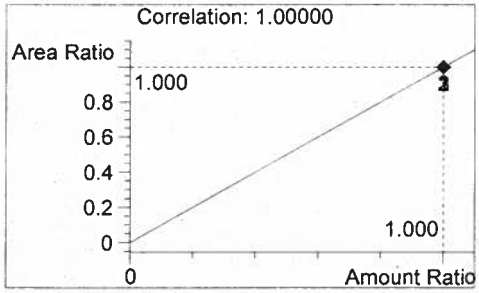
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2846	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

BB

12024

Sequence Parameters:

Operator:	Dawn Sklerov
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120605DS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

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

12024

DS

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

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

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-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	12024 #1	SIMALC1	1	Sample		
11	Vial 11	12024 #2	SIMALC1	1	Sample		
12	Vial 12	12024 #3	SIMALC1	1	Sample		
13	Vial 13	12024 #4	SIMALC1	1	Sample		
14	Vial 14	12024 #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!

12024

DS

Calibration Table

Calib. Data Modified : Tuesday, June 05, 2012 12:07:07 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	870.96405	9.09108e-5	1		Ethanol
		2	1.59320e-1	1817.47705	8.76600e-5			
		3	3.16260e-1	3562.29663	8.87798e-5			
1.706	1	1	1.00000	2399.72314	4.16715e-4	I1		n-Propanol
		2	1.00000	2497.11987	4.00461e-4			
		3	1.00000	2474.90283	4.04056e-4			

Peak Sum Table

No Entries in table

12024

DS

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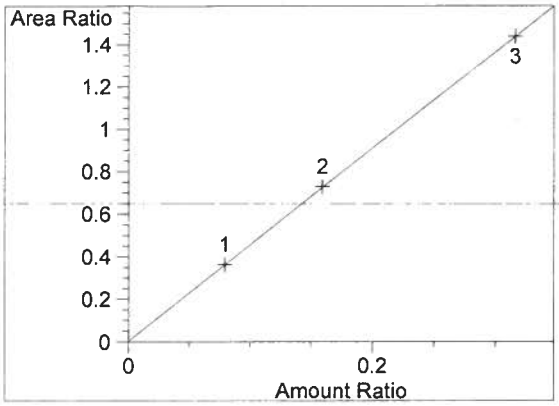
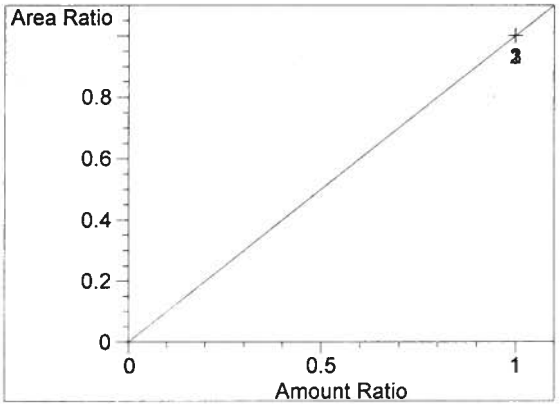
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00185
Formula: y = mx + b
m: 4.54944
b: 1.57292e-3
x: Amount Ratio
y: Area Ratio



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

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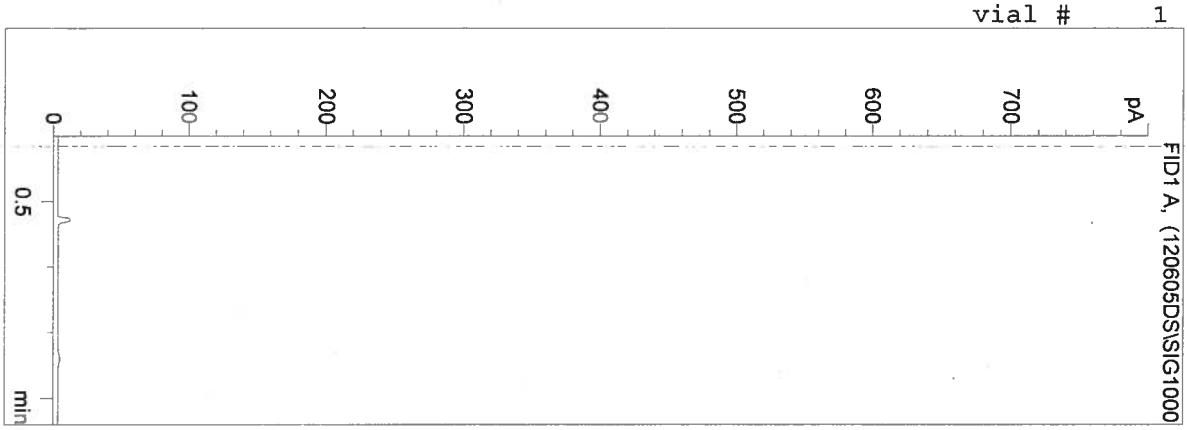
DS

WASHINGTON STATE TOXICOLOGY LABORATORY

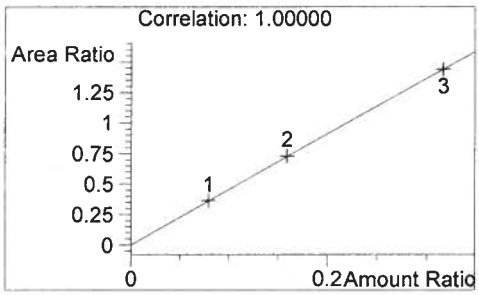
C:\HPCHEM\1\METHODS\SIMALC1.M
6/5/2012 11:55:40 AM
Instrument 1
DB-ALC1

BLANK
Dawn Sklerov

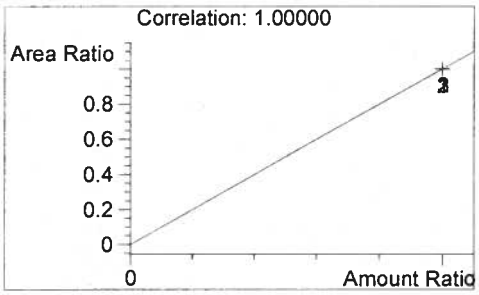
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12024

DS

WASHINGTON STATE TOXICOLOGY LABORATORY

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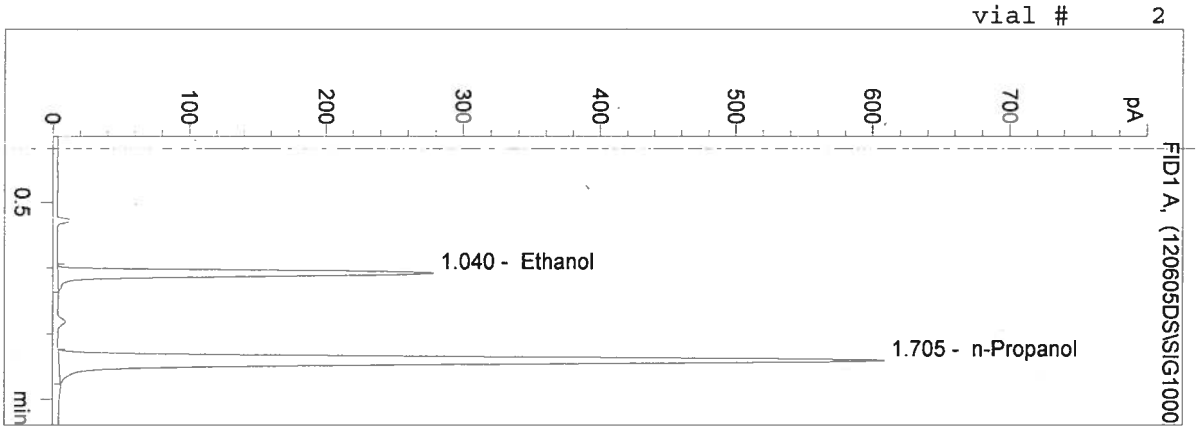
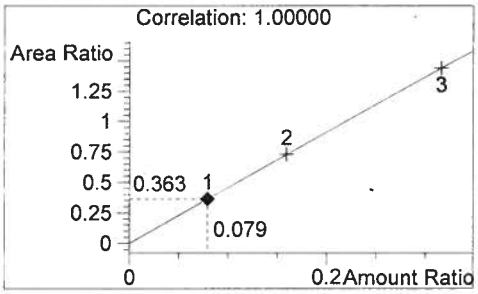
6/5/2012 11:58:45 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Dawn Sklerov

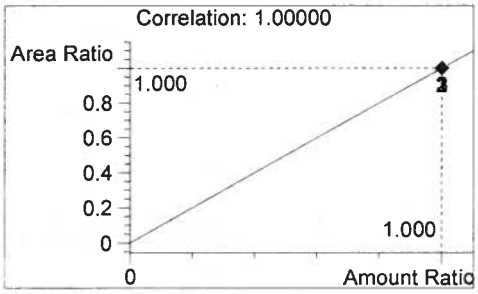
vial # 2



#	Compound	Area	RT
1	Ethanol	871	1.040
2	n-Propanol	2400	1.705
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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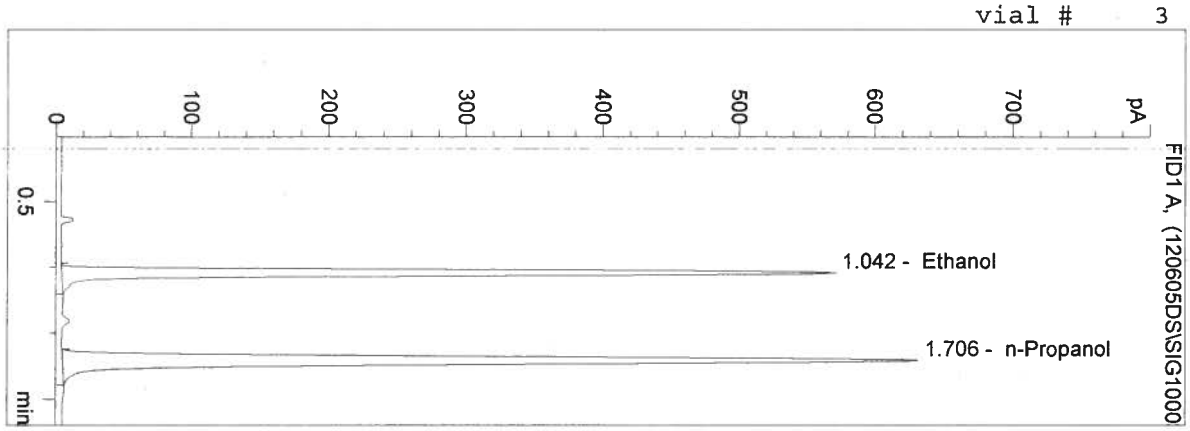
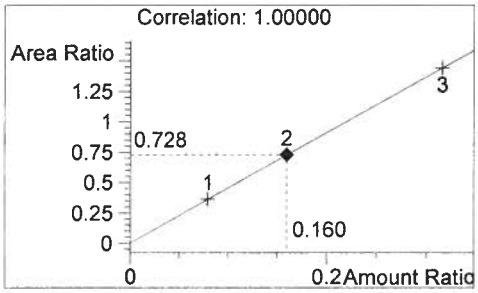
Instrument 1
DB-ALC1

0.158 CAL 2
Dawn Sklerov

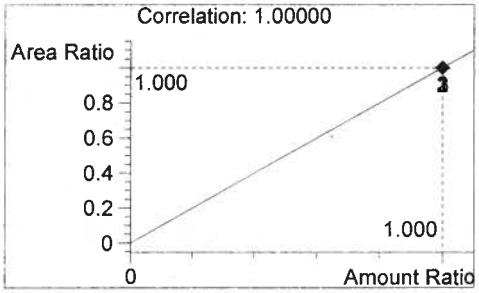
vial # 3



#	Compound	Area	RT
1	Ethanol	1817	1.042
2	n-Propanol	2497	1.706
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

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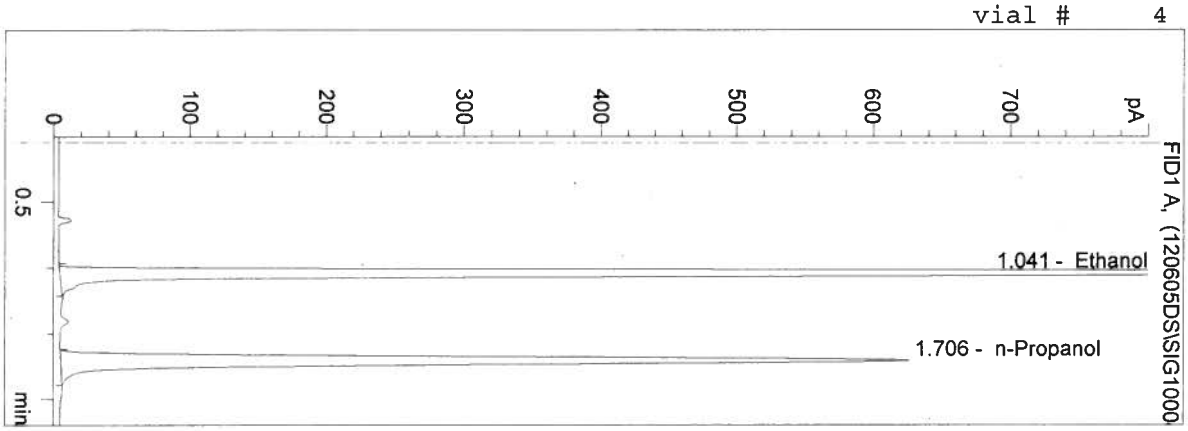
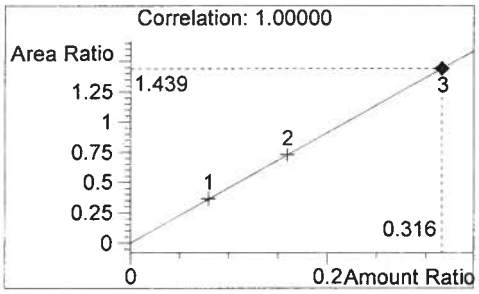
Instrument 1
DB-ALC1

0.316 CAL 3
Dawn Sklerov

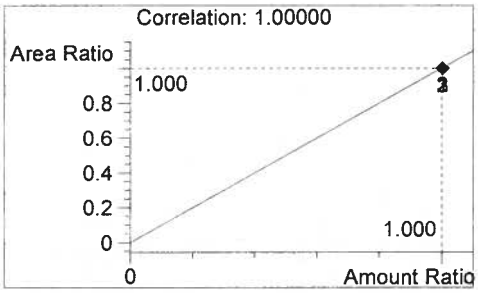
vial # 4



#	Compound	Area	RT
1	Ethanol	3562	1.041
2	n-Propanol	2475	1.706
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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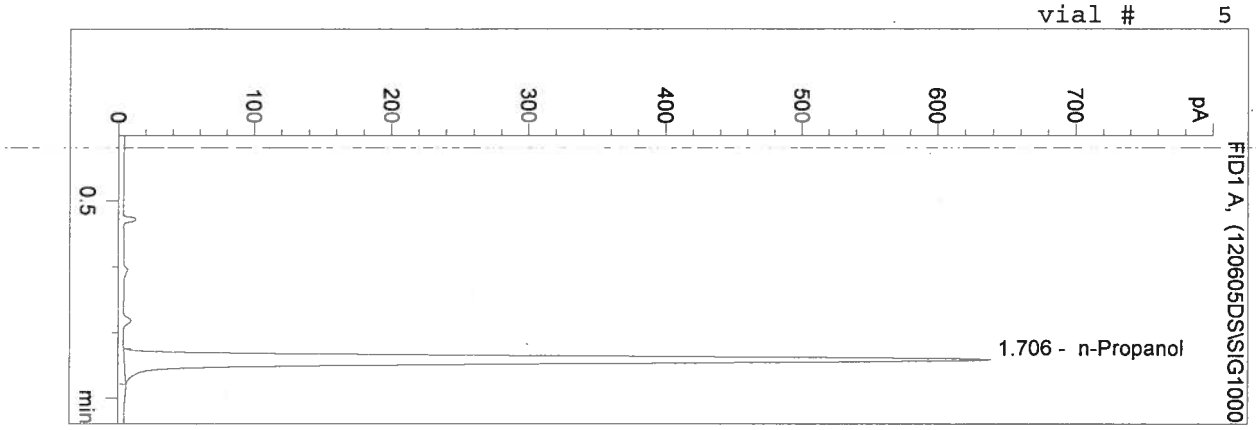
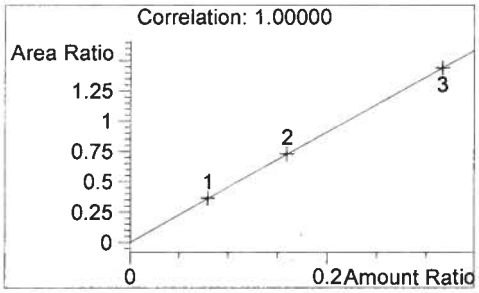
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Sklerov

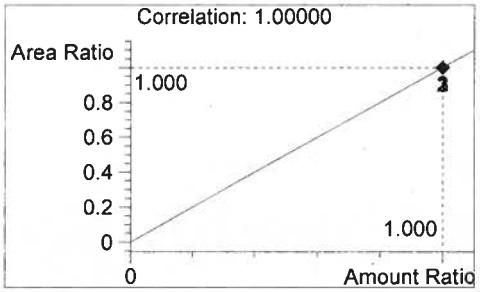
vial # 5



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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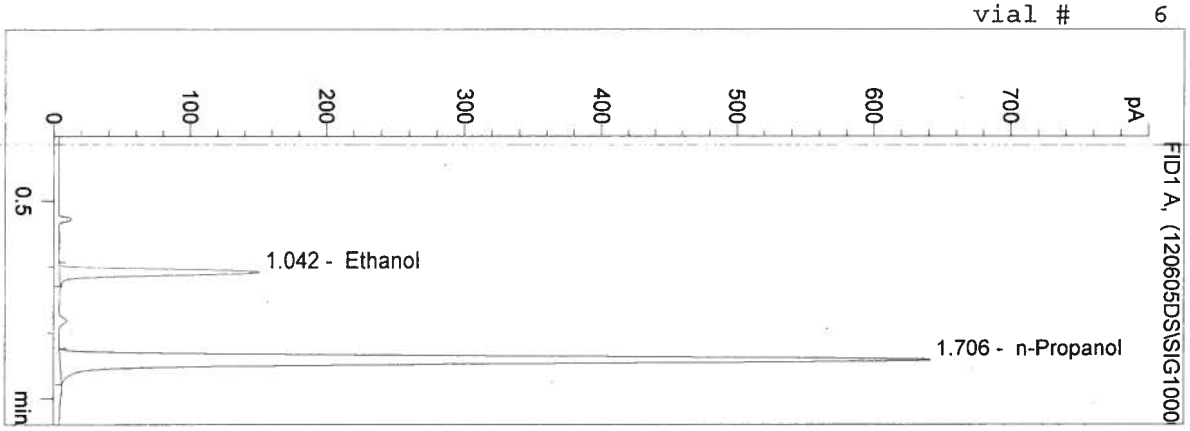
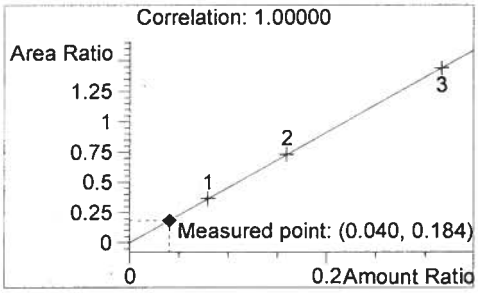
Instrument 1
DB-ALC1

0.04 CTRL-DC
Dawn Sklerov

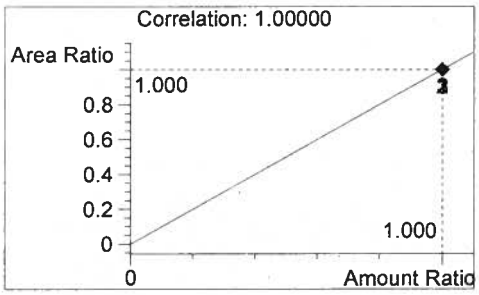
vial # 6



#	Compound	Area	RT
1	Ethanol	467	1.042
2	n-Propanol	2540	1.706
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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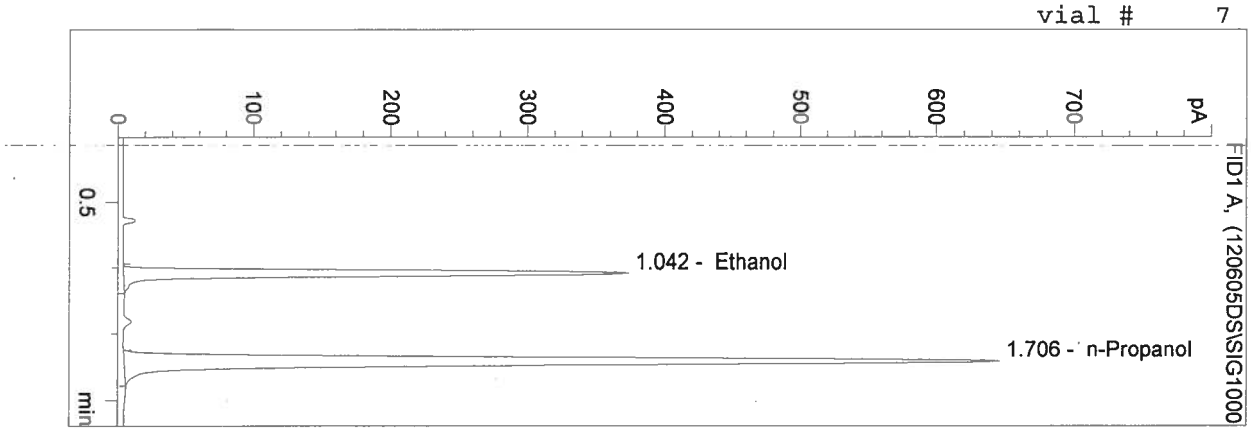
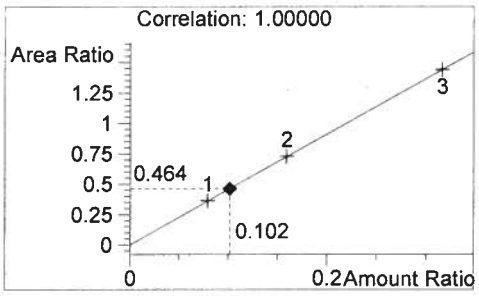
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Sklerov

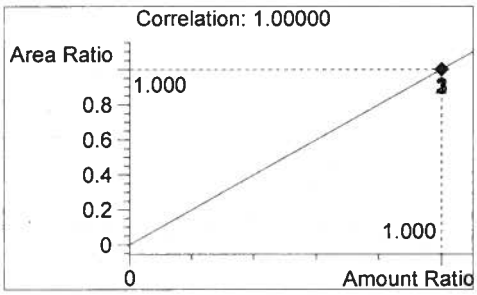
vial # 7



#	Compound	Area	RT
1	Ethanol	1188	1.042
2	n-Propanol	2559	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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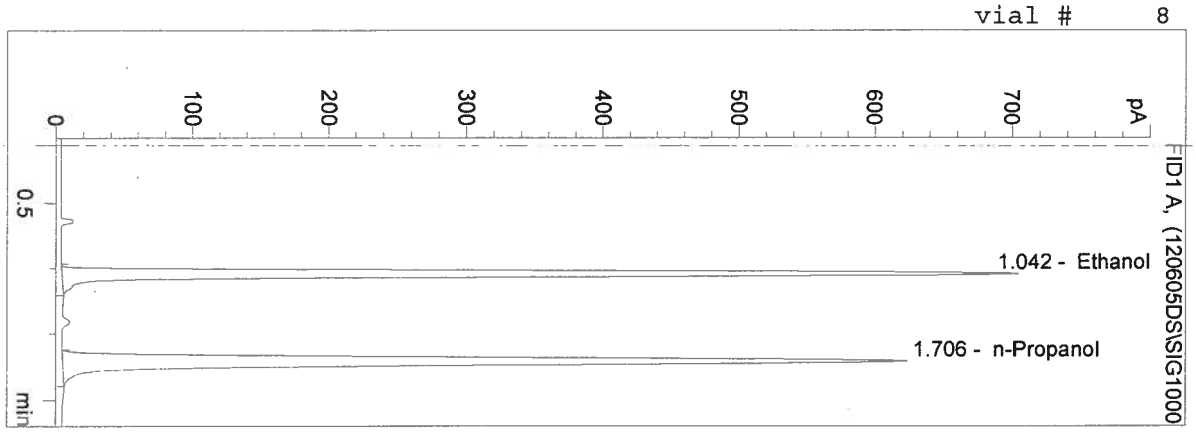
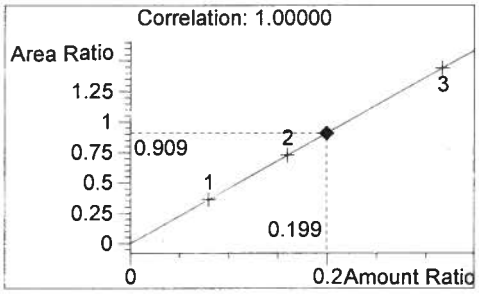
Instrument 1
DB-ALC1

0.20 CTRL-DC
Dawn Sklerov

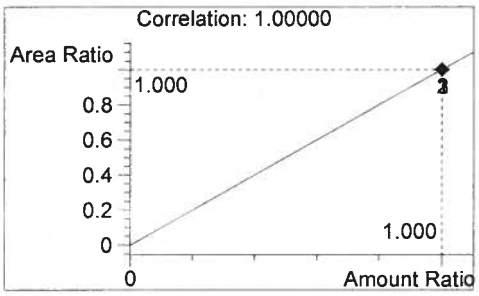
vial # 8



#	Compound	Area	RT
1	Ethanol	2238	1.042
2	n-Propanol	2462	1.706
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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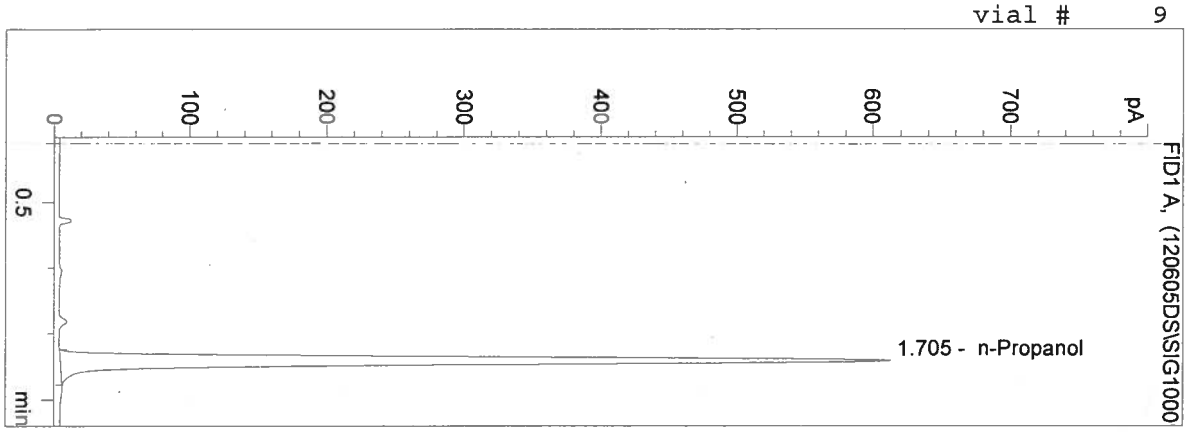
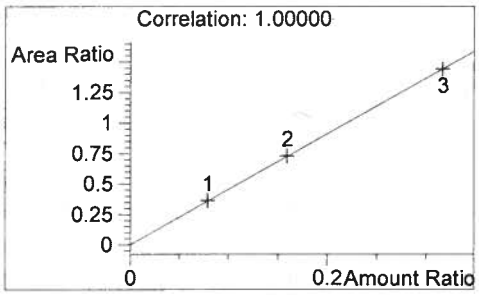
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Sklerov

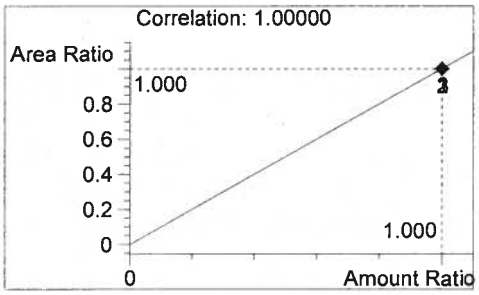
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2417	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12024

DS

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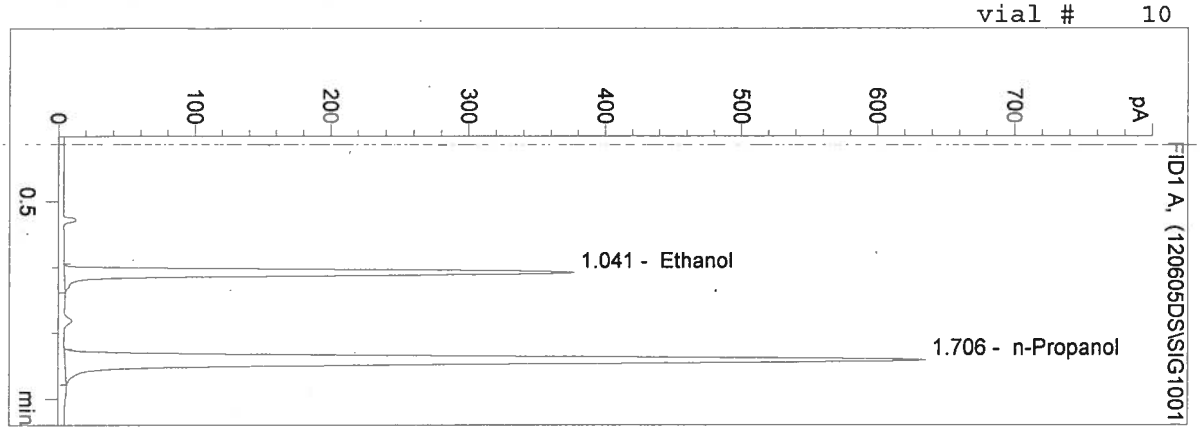
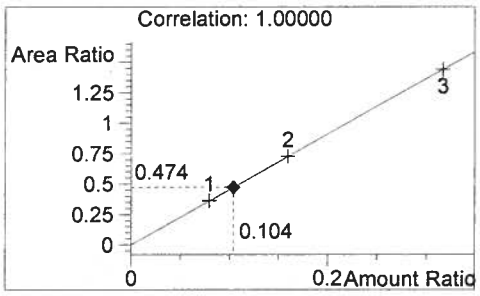
Instrument 1
DB-ALC1

12024 #1
Dawn Sklerov

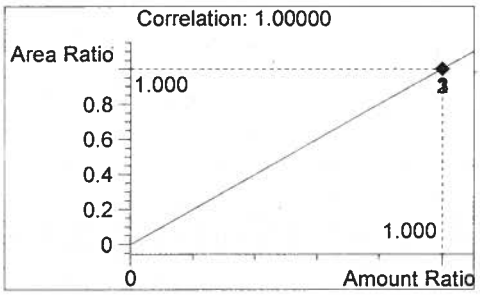
vial # 10



#	Compound	Area	RT
1	Ethanol	1192	1.041
2	n-Propanol	2515	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

DS

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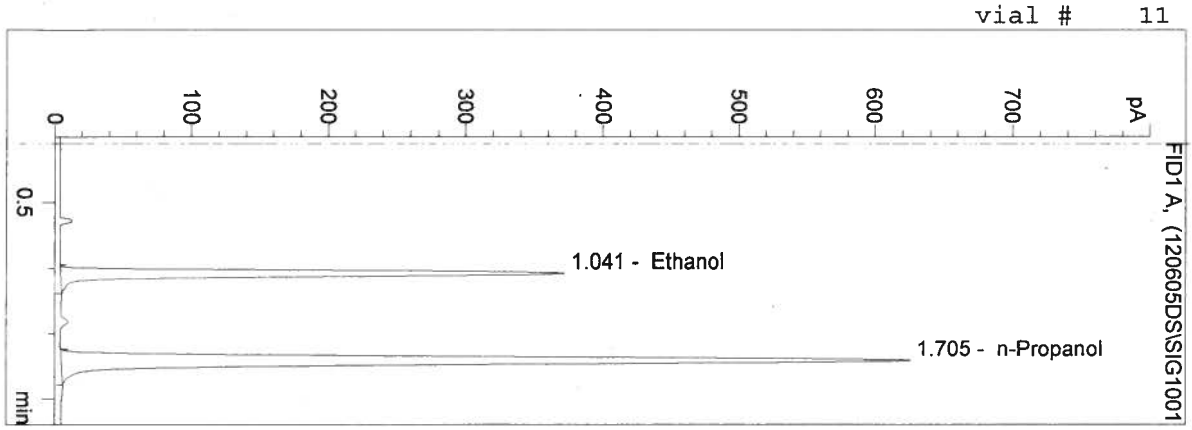
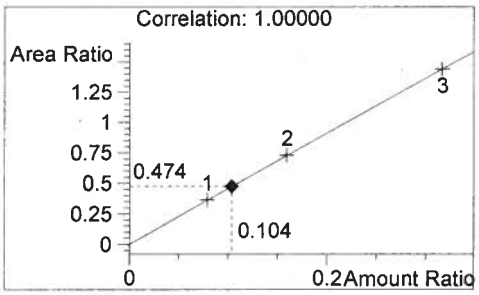
Instrument 1
DB-ALC1

12024 #2
Dawn Sklerov

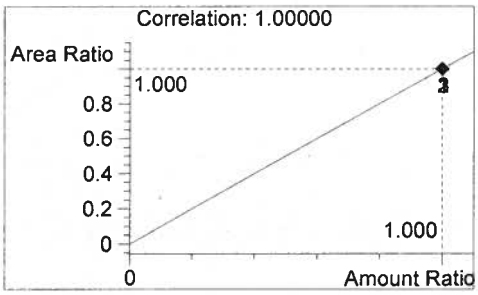
vial # 11



#	Compound	Area	RT
1	Ethanol	1172	1.041
2	n-Propanol	2474	1.705
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

DS

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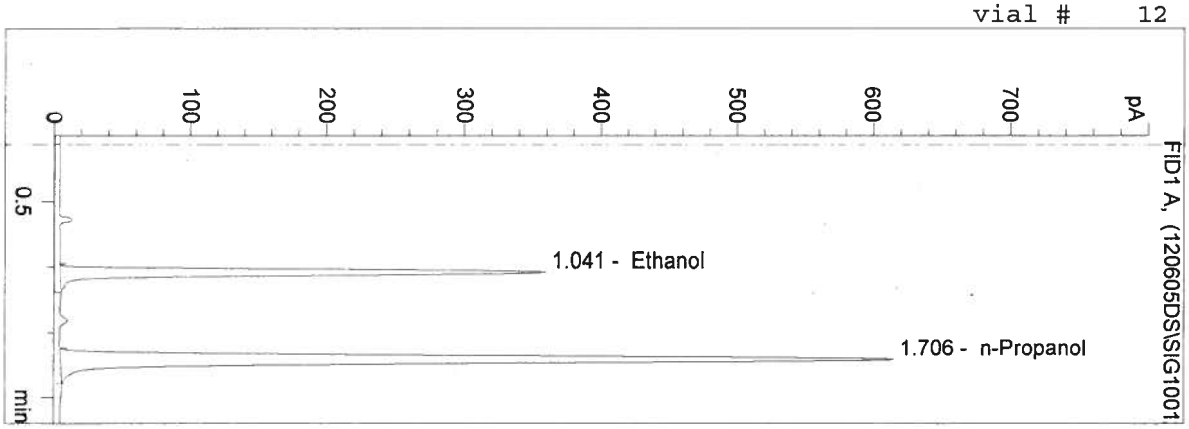
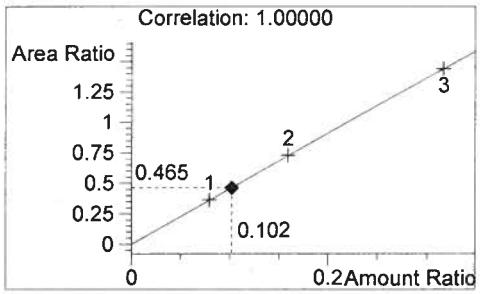
Instrument 1
DB-ALC1

12024 #3
Dawn Sklerov

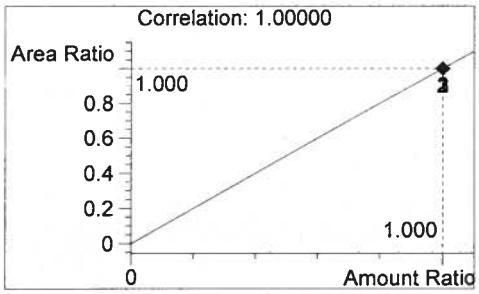
vial # 12



#	Compound	Area	RT
1	Ethanol	1131	1.041
2	n-Propanol	2435	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

DS

WASHINGTON STATE TOXICOLOGY LABORATORY

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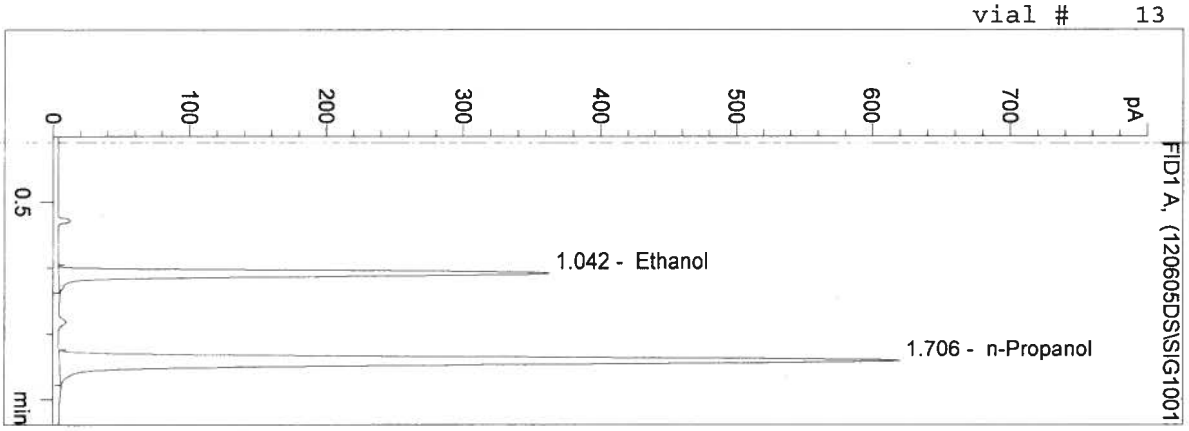
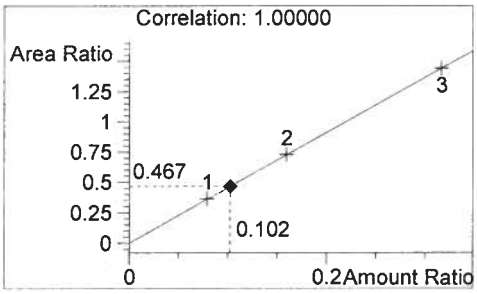
Instrument 1
DB-ALC1

12024 #4
Dawn Sklerov

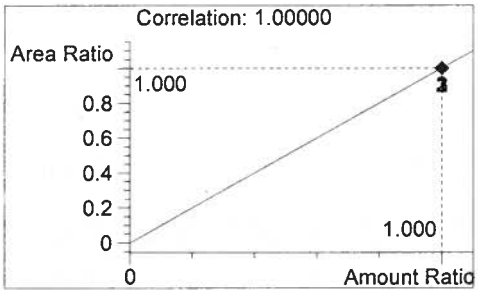
vial # 13



#	Compound	Area	RT
1	Ethanol	1145	1.042
2	n-Propanol	2451	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

05

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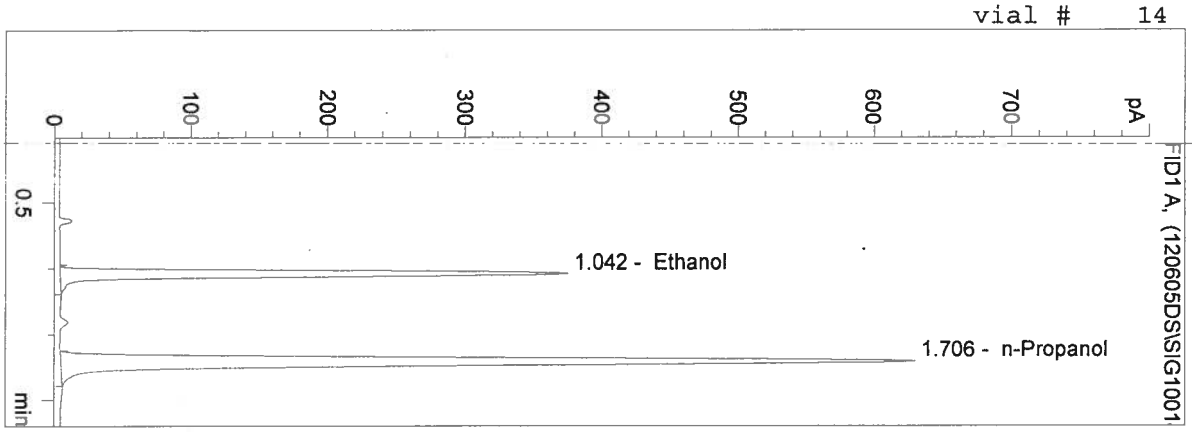
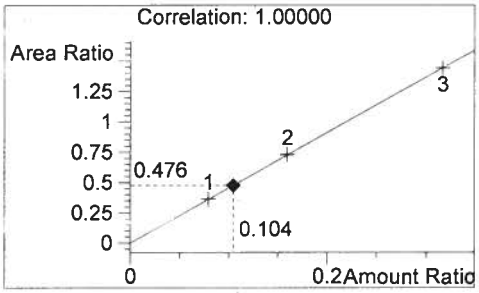
Instrument 1
DB-ALC1

12024 #5
Dawn Sklerov

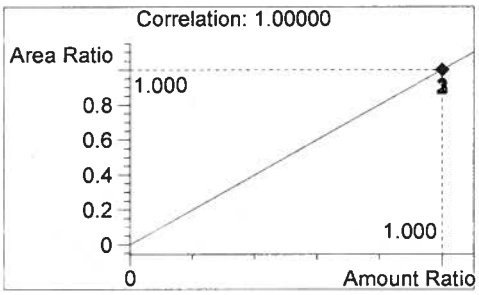
vial # 14



#	Compound	Area	RT
1	Ethanol	1188	1.042
2	n-Propanol	2493	1.706
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

85

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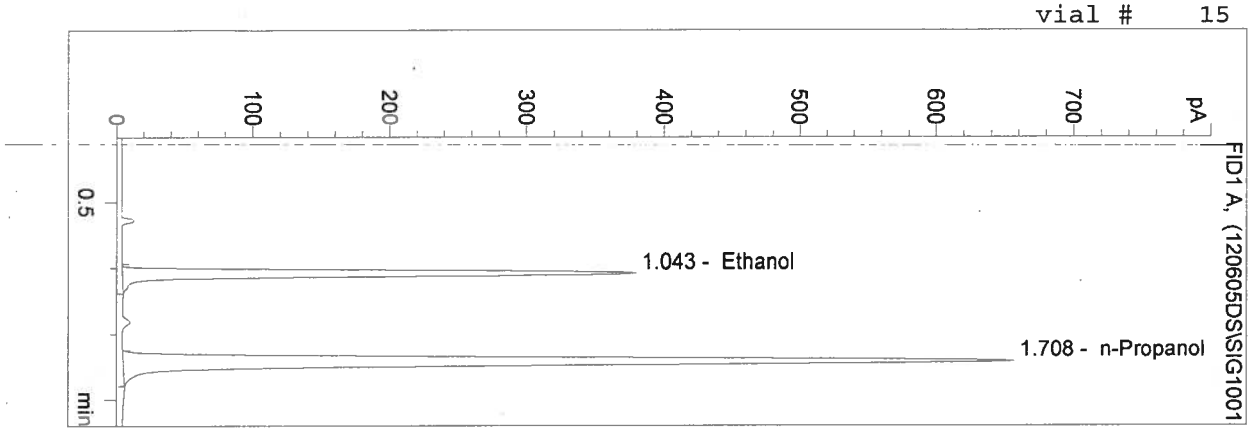
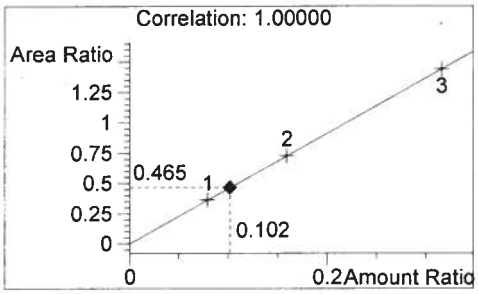
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Sklerov

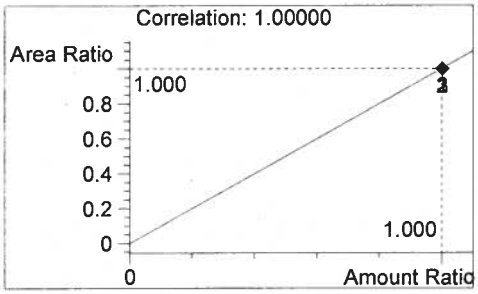
vial # 15



#	Compound	Area	RT
1	Ethanol	1212	1.043
2	n-Propanol	2606	1.708
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12044

DS

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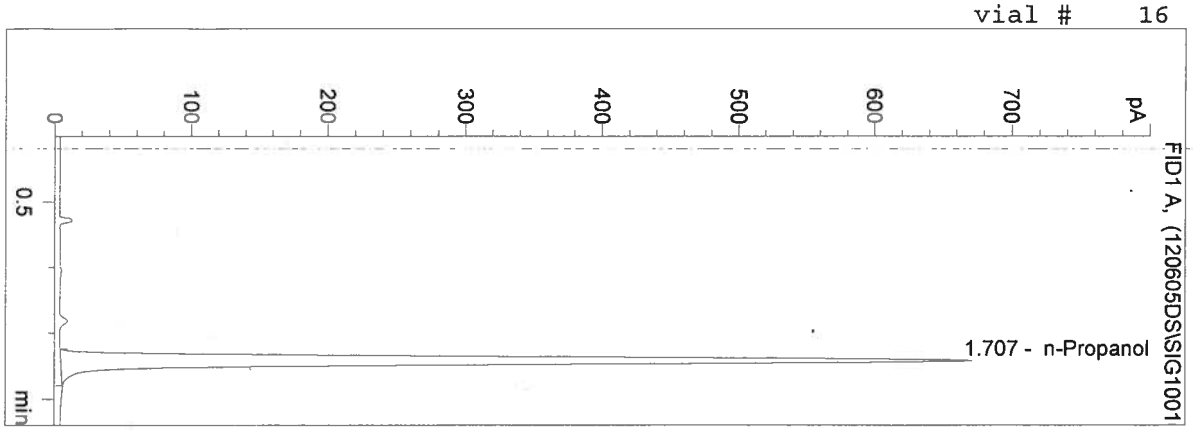
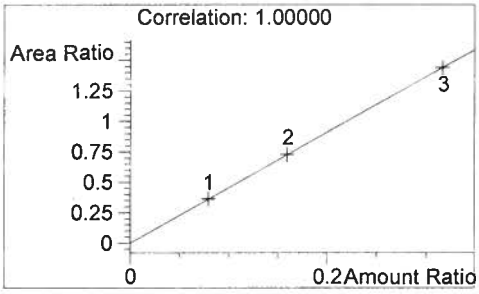
6/5/2012 12:41:51 PM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Sklerov

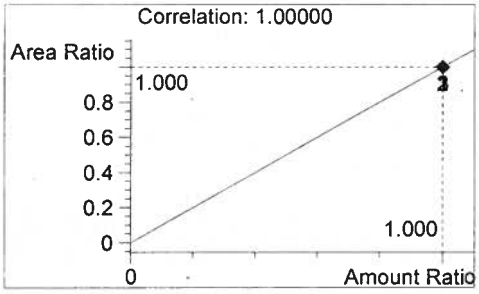
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2663	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12024

05

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:	120606SS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Sample Information Part:

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

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

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-SS	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-SS	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-SS	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-SS	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		
10	Vial 10	12024 #1	SIMALC1	1	Sample		
11	Vial 11	12024 #2	SIMALC1	1	Sample		
12	Vial 12	12024 #3	SIMALC1	1	Sample		
13	Vial 13	12024 #4	SIMALC1	1	Sample		
14	Vial 14	12024 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-SS	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-SS	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

SJS

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Calibration Table

Calib. Data Modified : Wednesday, June 06, 2012 9:41:17 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	868.22809	9.11972e-5	1		Ethanol
		2	1.59320e-1	1841.22559	8.65293e-5			
		3	3.16260e-1	3432.49121	9.21372e-5			
1.705	1	1	1.00000	2422.86792	4.12734e-4	I1		n-Propanol
		2	1.00000	2539.62646	3.93759e-4			
		3	1.00000	2422.93677	4.12722e-4			

Peak Sum Table

No Entries in table

SJS

12024

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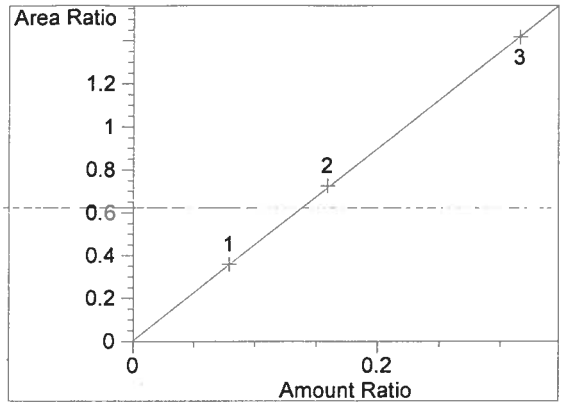
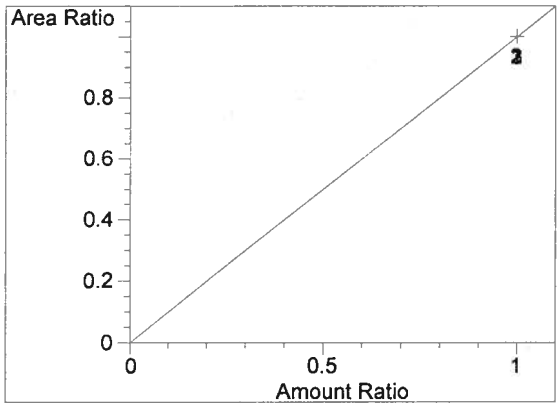
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00654
Formula: y = mx + b
m: 4.47972
b: 3.71046e-3
x: Amount Ratio
y: Area Ratio



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

==========

SMS

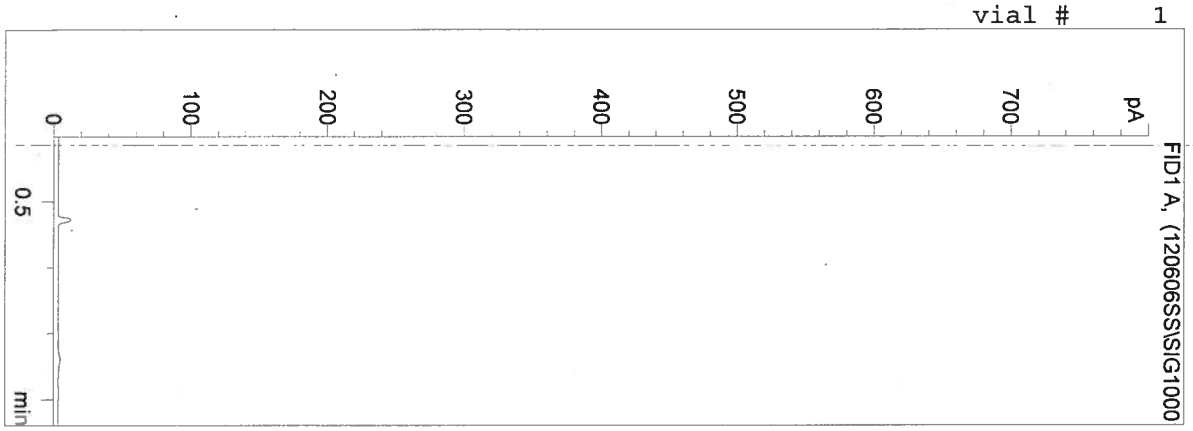
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

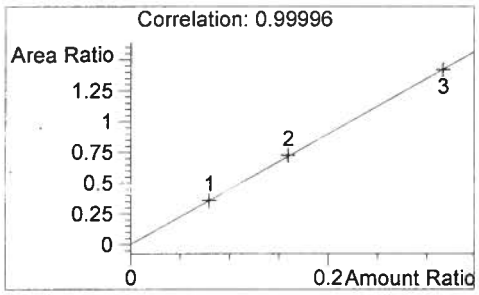
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:29:50 AM
Instrument 1
DB-ALC1

BLANK-SS
Sarah Swenson

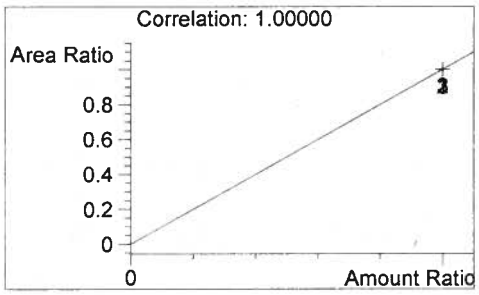
vial # 1



#	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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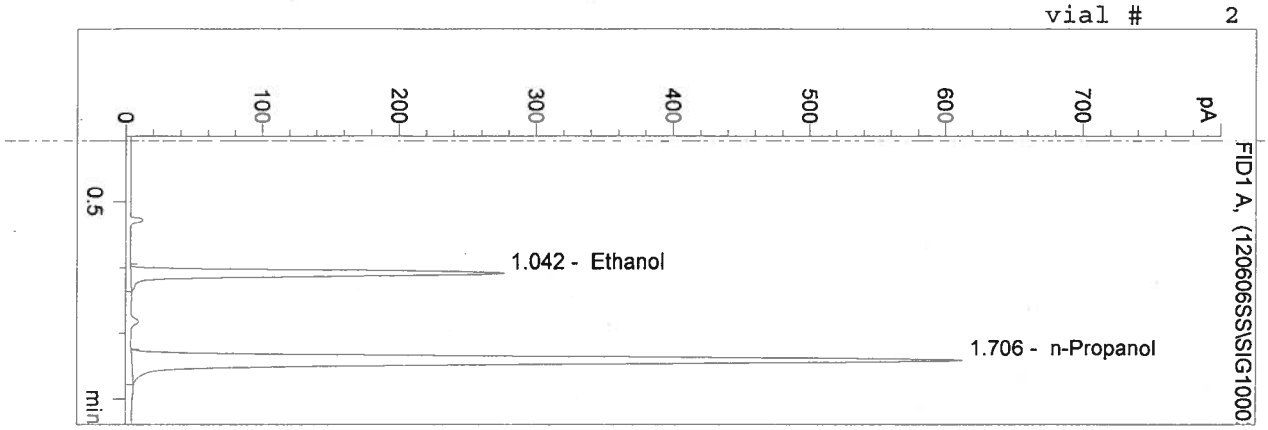
WASHINGTON STATE TOXICOLOGY LABORATORY

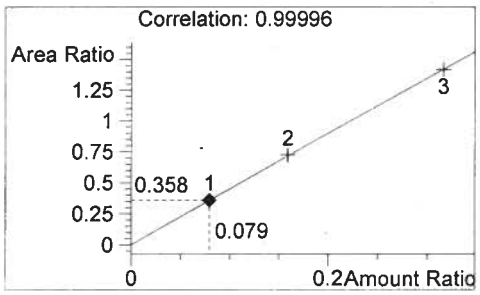
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:32:54 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

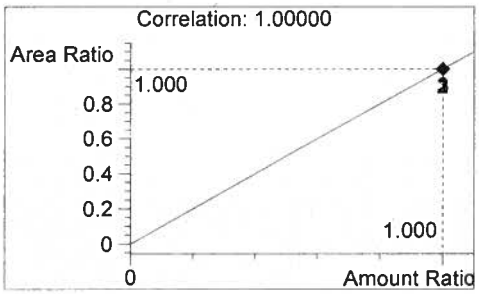
vial # 2



#	Compound	Area	RT
1	Ethanol	868	1.042
2	n-Propanol	2423	1.706
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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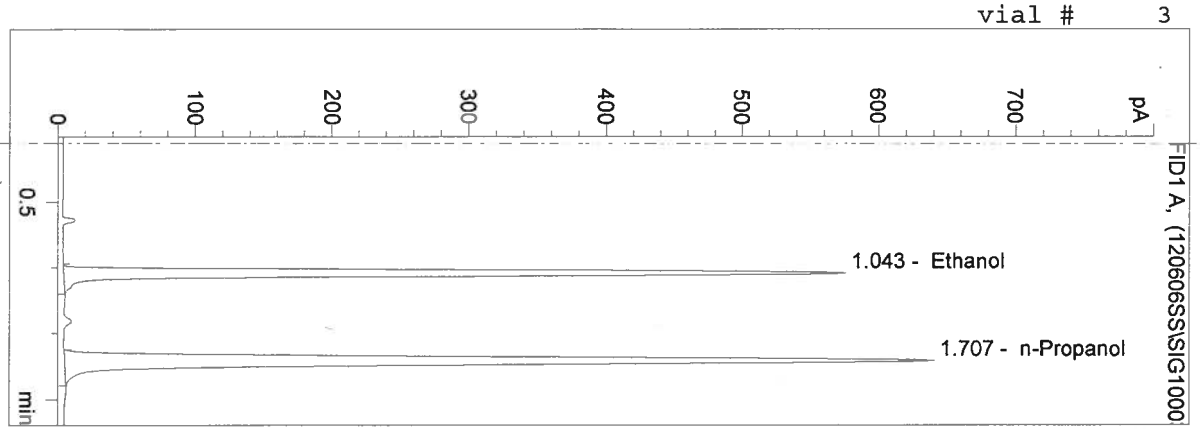
WASHINGTON STATE TOXICOLOGY LABORATORY

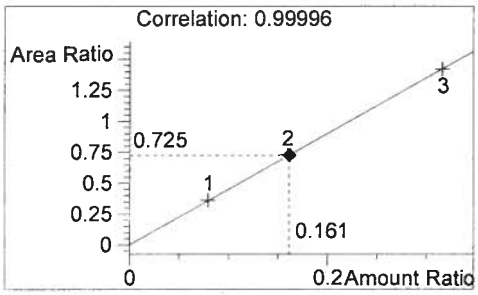
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:35:59 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

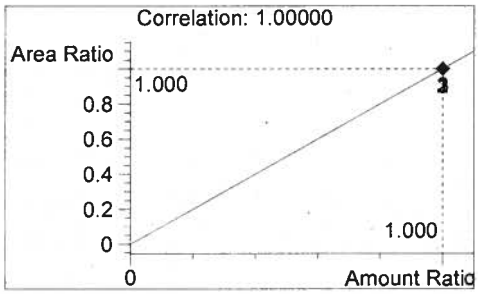
vial # 3



#	Compound	Area	RT
1	Ethanol	1841	1.043
2	n-Propanol	2540	1.707
Tot			



Ethanol 0.161 g/100 mL



n-Propanol 1.000 g/100 mL

SJS

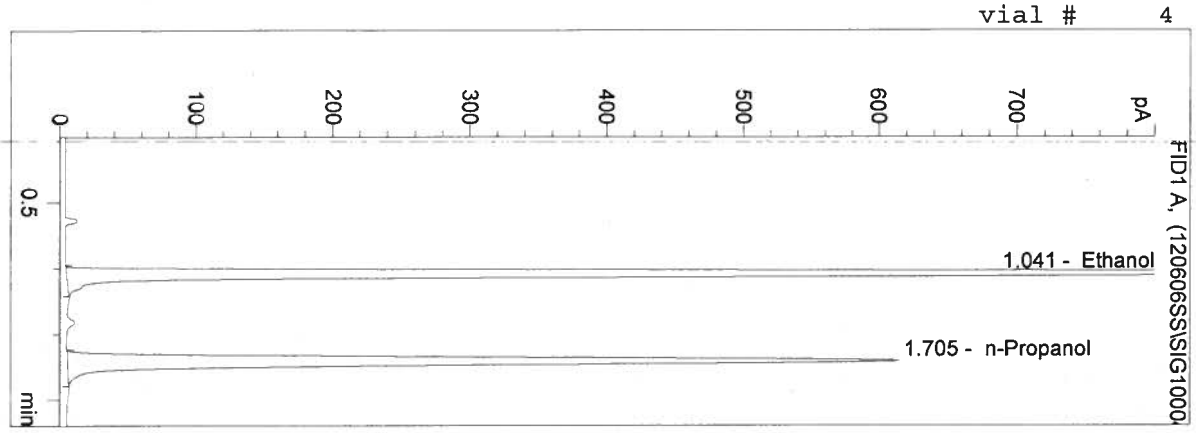
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

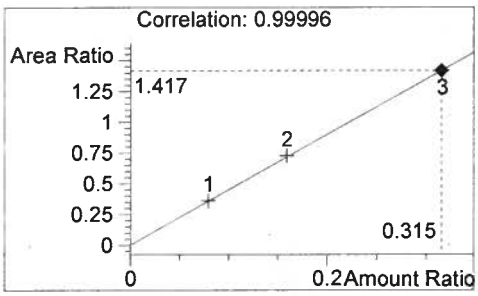
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:39:04 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

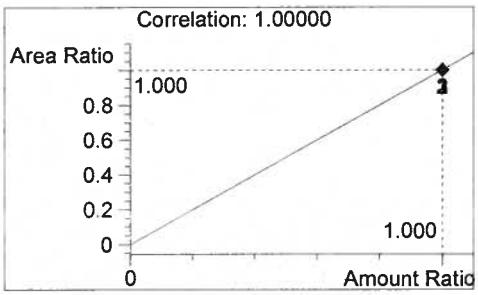
vial # 4



#	Compound	Area	RT
1	Ethanol	3432	1.041
2	n-Propanol	2423	1.705
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

SVS

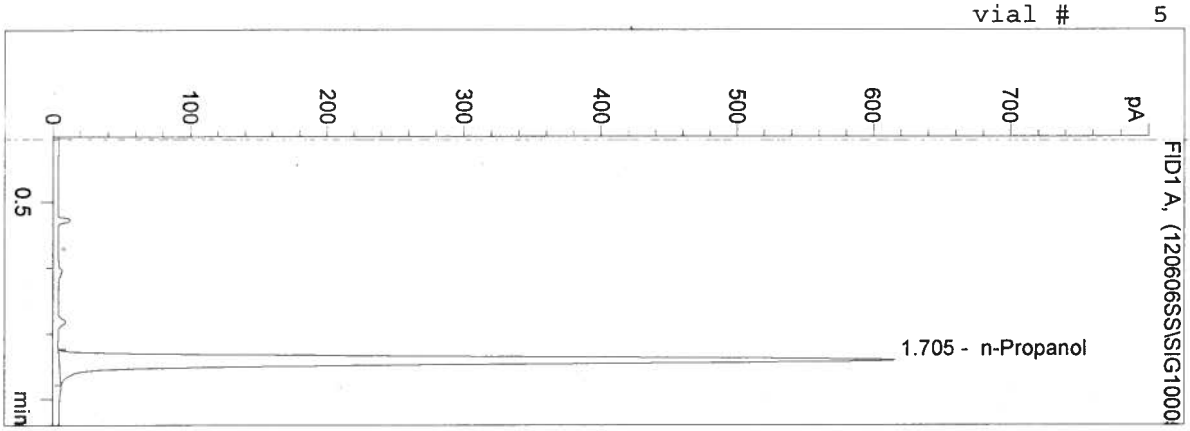
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

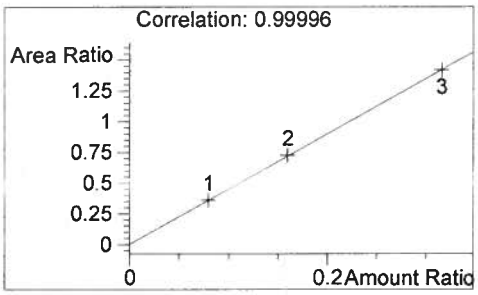
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:42:08 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

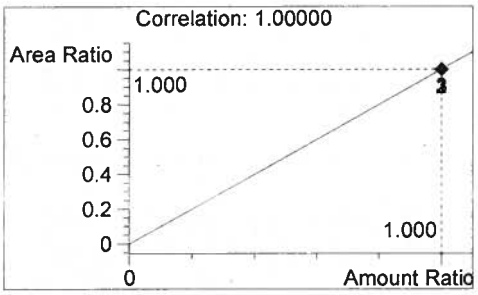
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2430	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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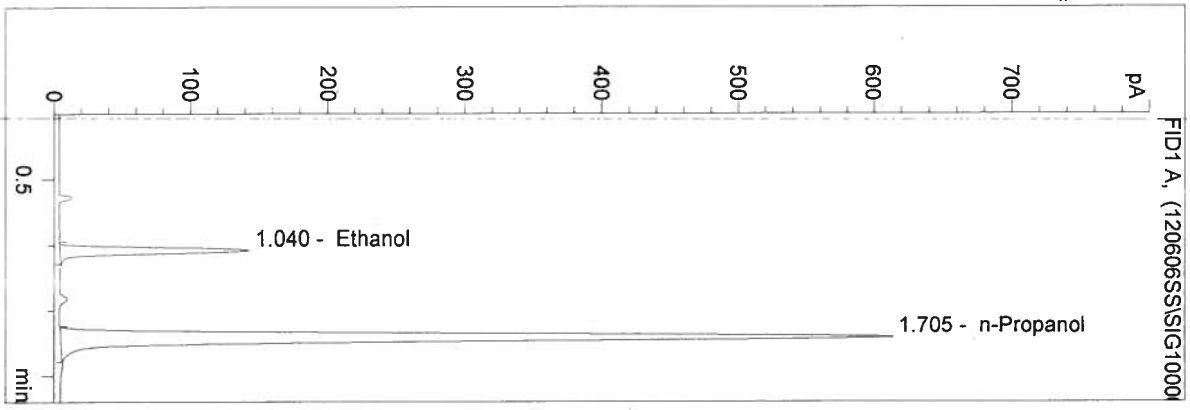
WASHINGTON STATE TOXICOLOGY LABORATORY

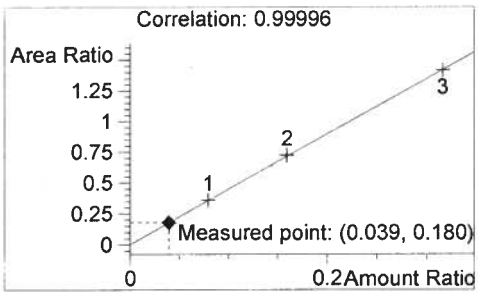
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:45:13 AM
Instrument 1
DB-ALC1

0.04 CTRL-SS
Sarah Swenson

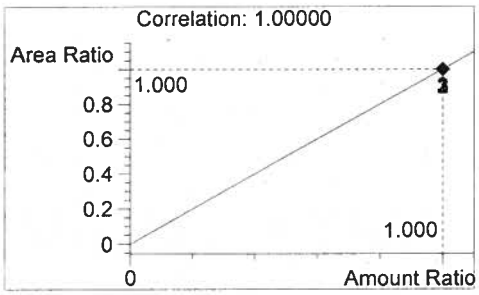
vial # 6



#	Compound	Area	RT
1	Ethanol	436	1.040
2	n-Propanol	2421	1.705
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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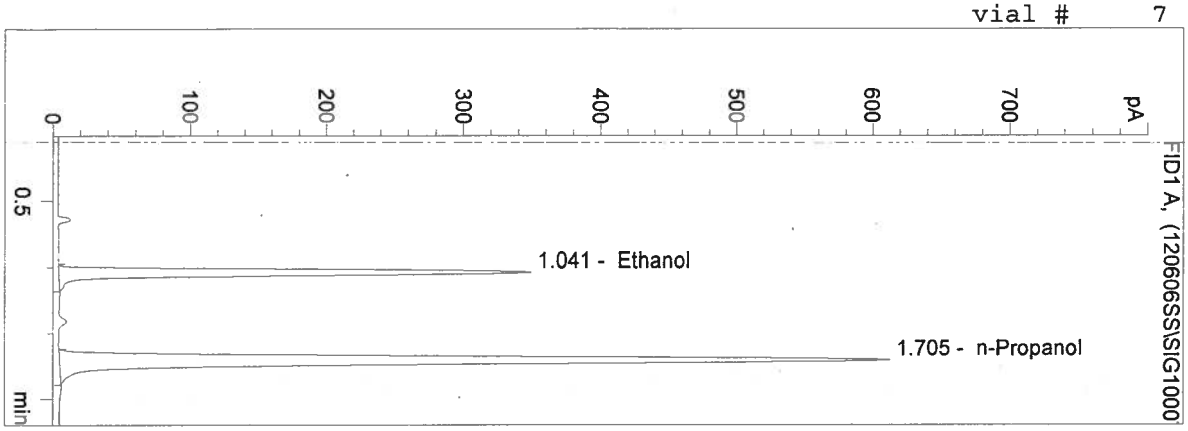
WASHINGTON STATE TOXICOLOGY LABORATORY

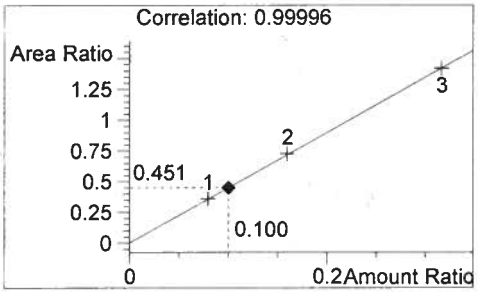
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:48:18 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

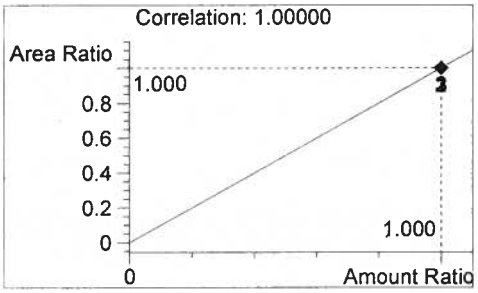
vial # 7



#	Compound	Area	RT
1	Ethanol	1092	1.041
2	n-Propanol	2421	1.705
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

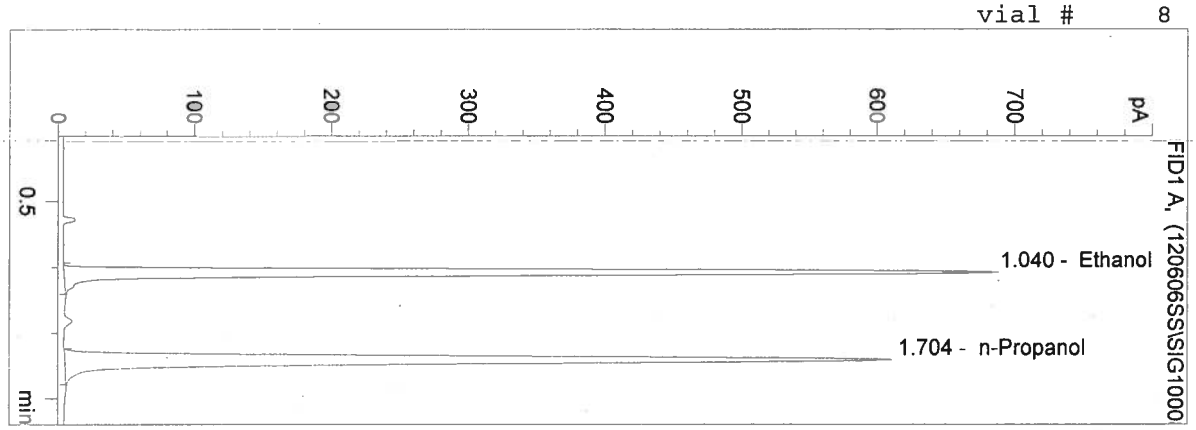
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

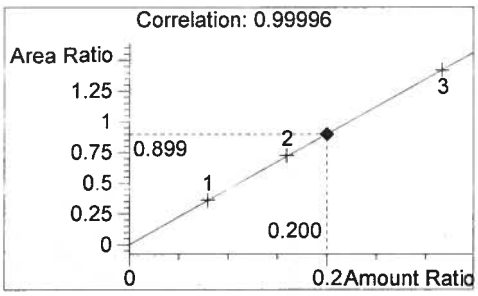
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:51:23 AM
Instrument 1
DB-ALC1

0.20 CTRL-SS
Sarah Swenson

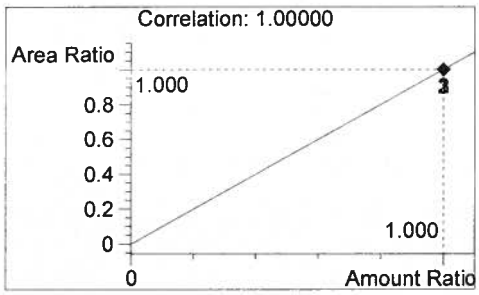
vial # 8



#	Compound	Area	RT
1	Ethanol	2168	1.040
2	n-Propanol	2412	1.704
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

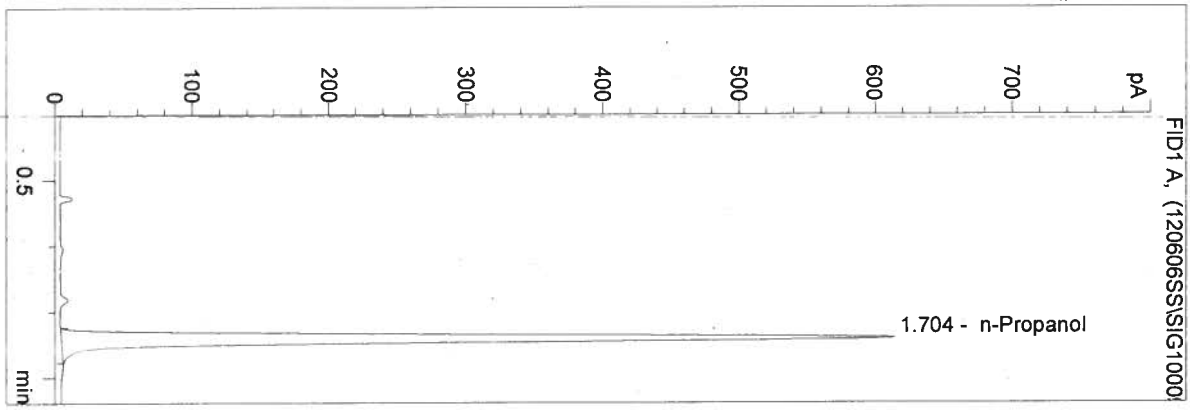
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

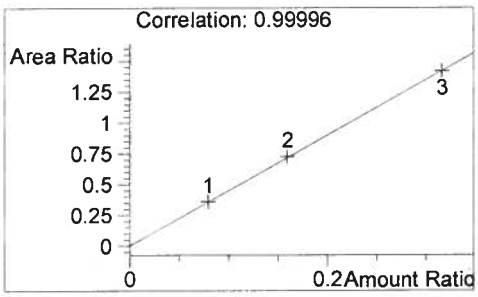
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:54:27 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

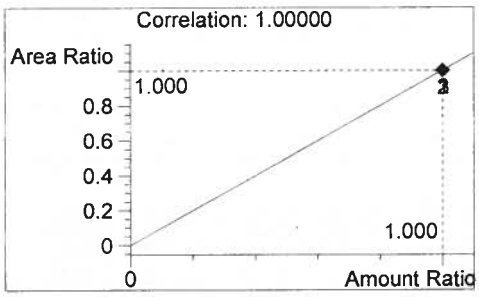
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2419	1.704
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

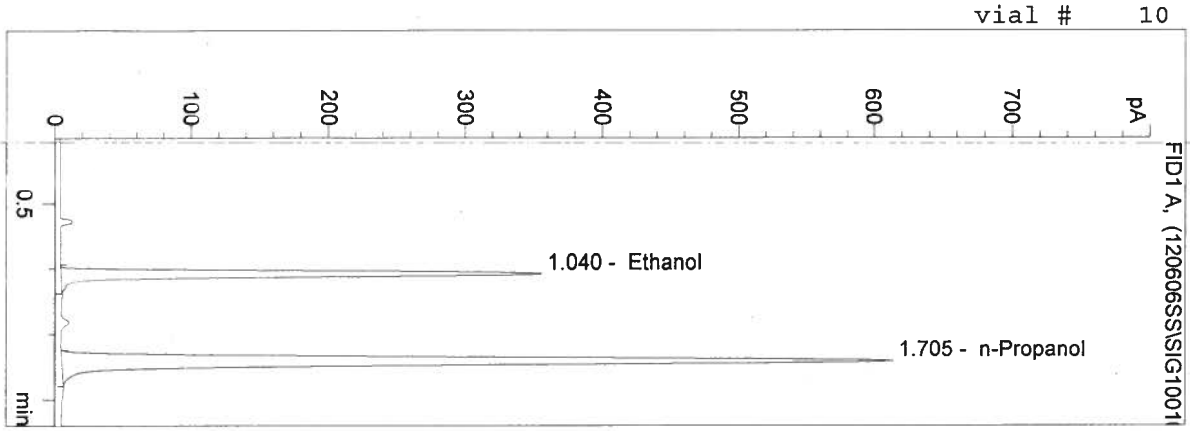
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

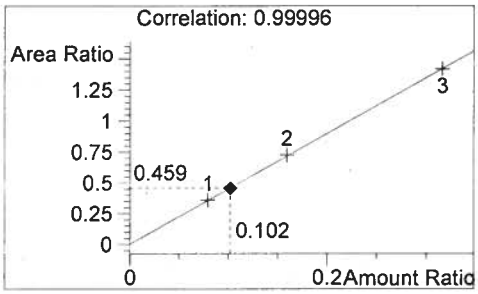
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 9:57:32 AM
Instrument 1
DB-ALC1

12024 #1
Sarah Swenson

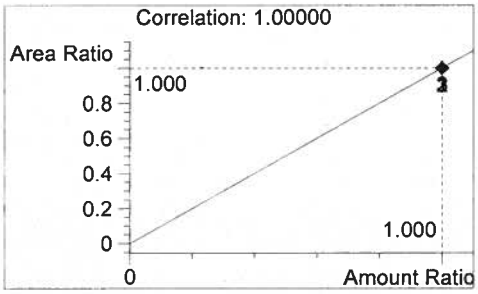
vial # 10



#	Compound	Area	RT
1	Ethanol	1111	1.040
2	n-Propanol	2420	1.705
Tot			



Ethanol 0.102 g/100 mL



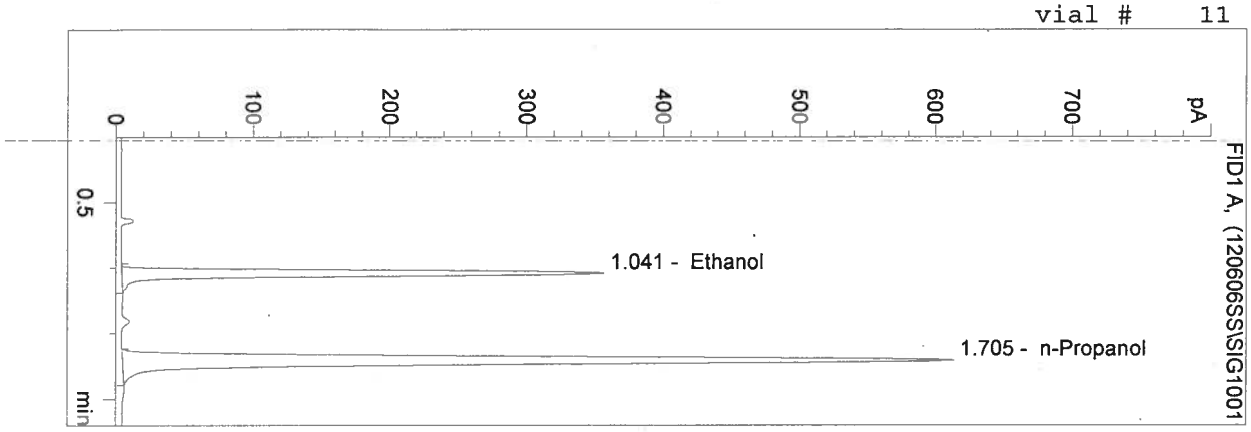
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

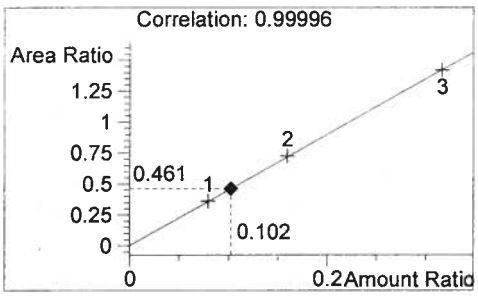
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 10:00:37 AM
Instrument 1
DB-ALC1

12024 #2
Sarah Swenson

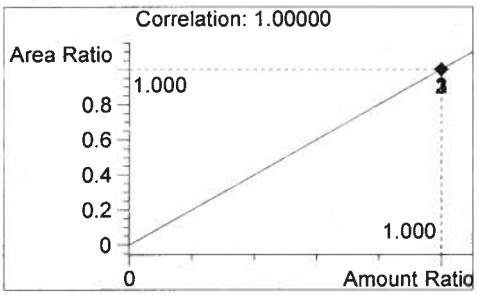
vial # 11



#	Compound	Area	RT
1	Ethanol	1120	1.041
2	n-Propanol	2427	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

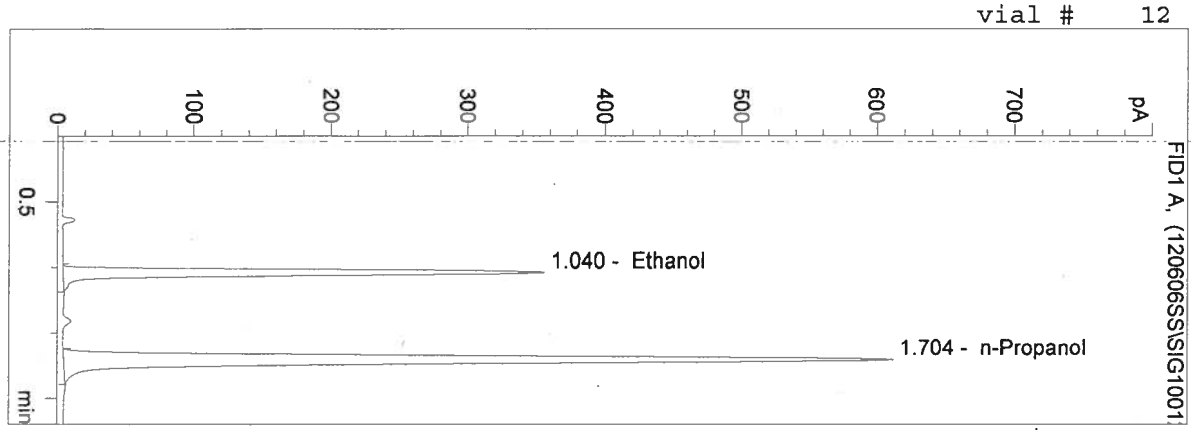
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

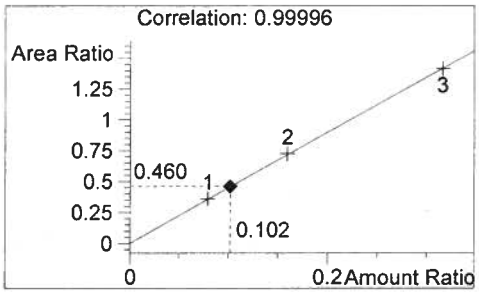
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 10:03:42 AM
Instrument 1
DB-ALC1

12024 #3
Sarah Swenson

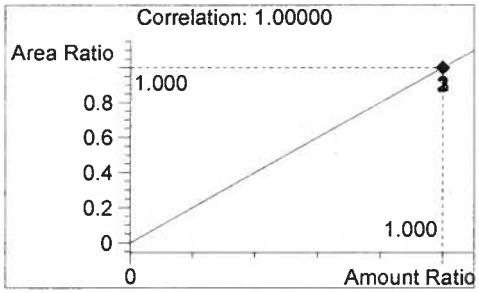
vial # 12



#	Compound	Area	RT
1	Ethanol	1113	1.040
2	n-Propanol	2417	1.704
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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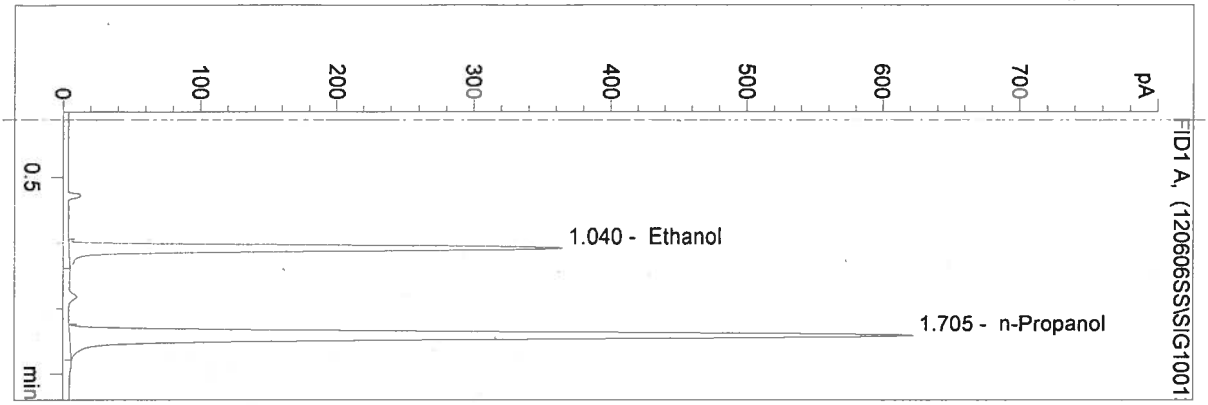
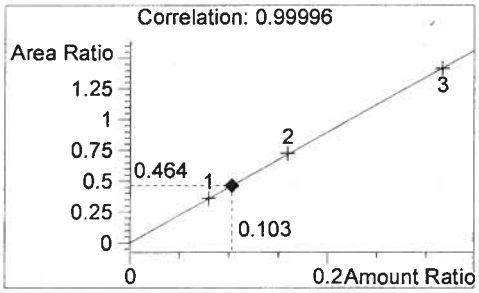
6/6/2012 10:06:46 AM
Instrument 1
DB-ALC1

12024 #4
Sarah Swenson

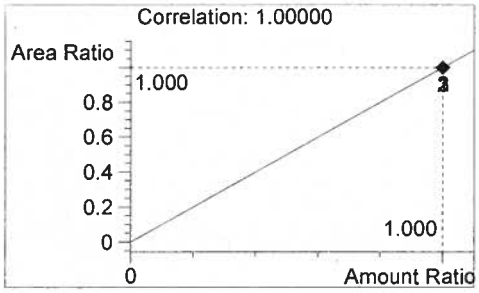
vial # 13



#	Compound	Area	RT
1	Ethanol	1140	1.040
2	n-Propanol	2455	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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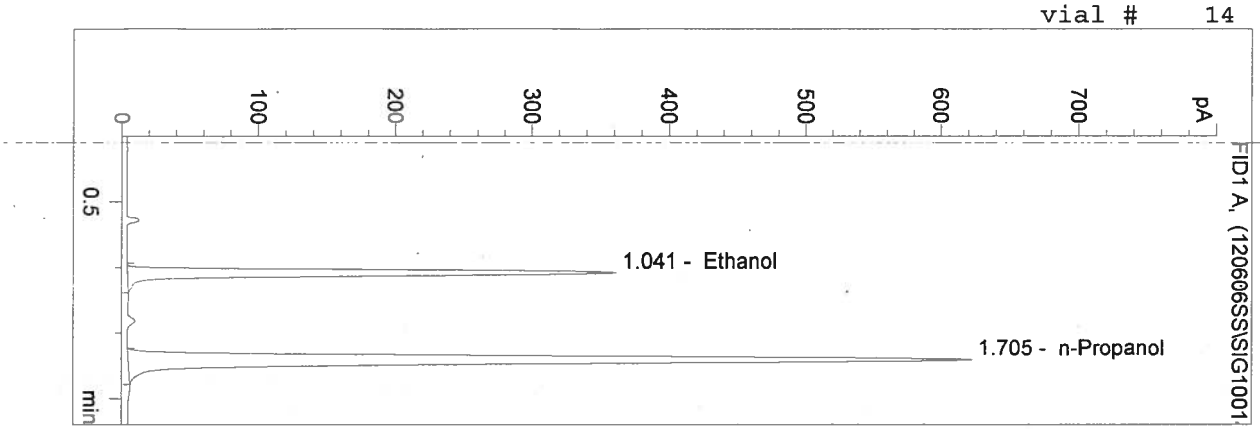
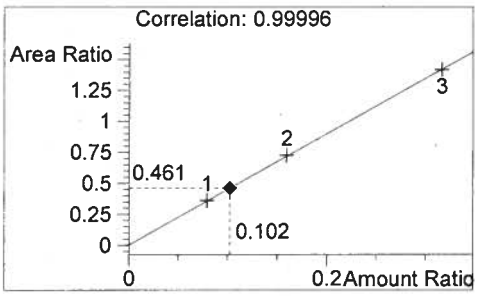
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 10:09:51 AM
Instrument 1
DB-ALC1

12024 #5
Sarah Swenson

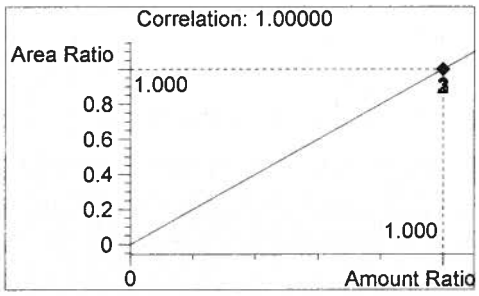
vial # 14



#	Compound	Area	RT
1	Ethanol	1133	1.041
2	n-Propanol	2456	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

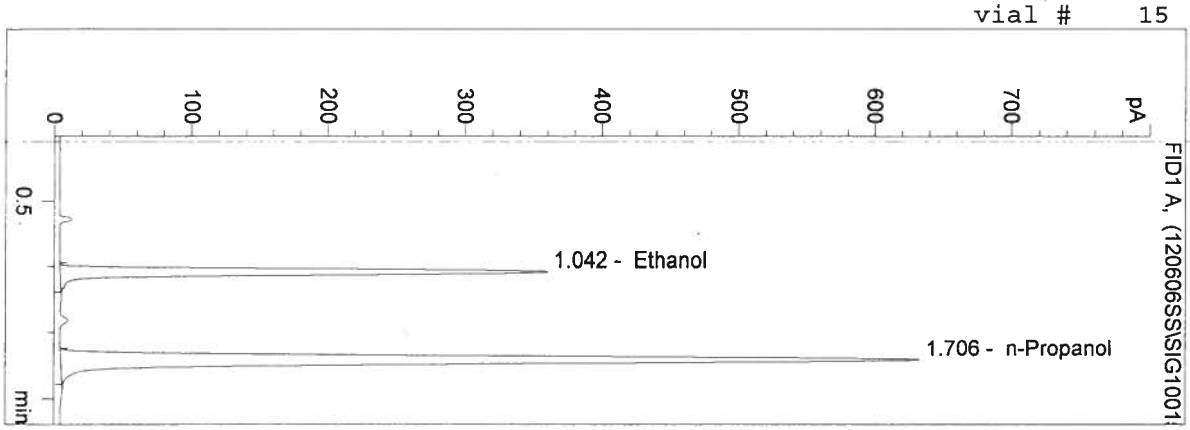
SJS

WASHINGTON STATE TOXICOLOGY LABORATORY

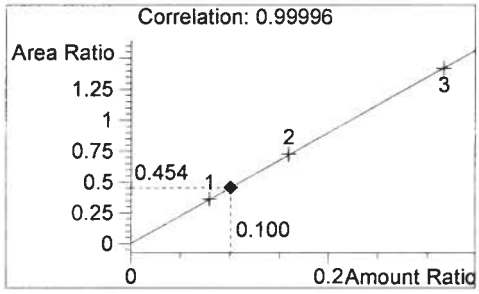
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 10:12:56 AM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

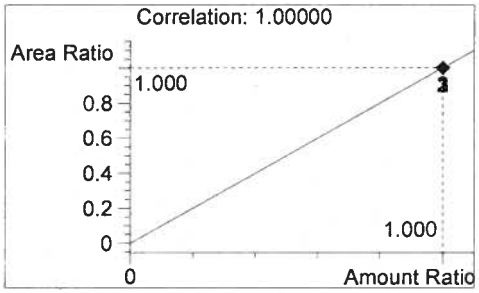
vial # 15



#	Compound	Area	RT
1	Ethanol	1138	1.042
2	n-Propanol	2508	1.706
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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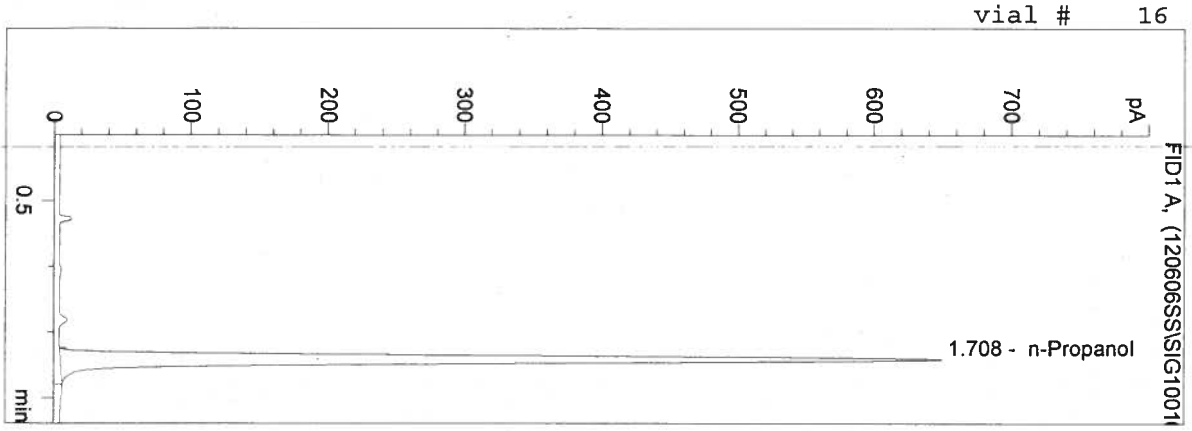
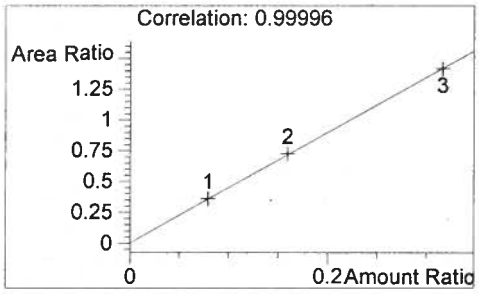
C:\HPCHEM\1\METHODS\SIMALC1.M
6/6/2012 10:16:00 AM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

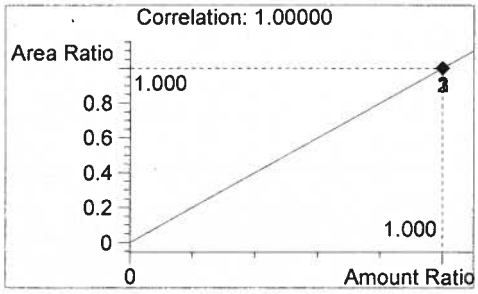
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2578	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

12024

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:	120611A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC1	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC1	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC1	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC1	1	Calib		
5	Vial 5	neg control - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg control - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	12024 #1	SIMALC1	1	Sample		
11	Vial 11	12024 #2	SIMALC1	1	Sample		
12	Vial 12	12024 #3	SIMALC1	1	Sample		
13	Vial 13	12024 #4	SIMALC1	1	Sample		
14	Vial 14	12024 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC1	1	Ctrl Samp		

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2012JUN11

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	

12024

Sequence Table (Back Injector):

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

No entries - empty table!

A
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Calibration Table

Calib. Data Modified : Monday, June 11, 2012 10:13:55 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.041	1	1	7.91800e-2	864.56061	9.15841e-5	1		Ethanol
		2	1.59320e-1	1711.35559	9.30958e-5			
		3	3.16260e-1	3371.13696	9.38140e-5			
1.705	1	1	1.00000	2372.06885	4.21573e-4	I1		n-Propanol
		2	1.00000	2398.40015	4.16945e-4			
		3	1.00000	2378.98730	4.20347e-4			

Peak Sum Table

No Entries in table

AK
2012 JUN 11

12024

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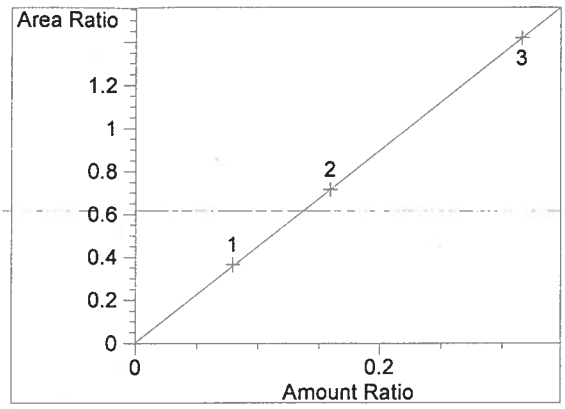
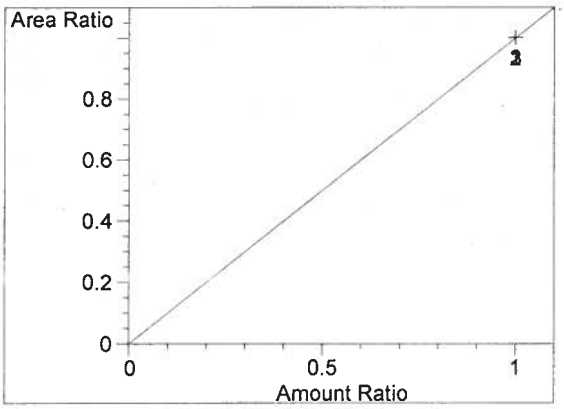
Calibration Curves

==========



Ethanol at exp. RT: 1.041
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00574
Formula: y = mx + b
m: 4.46998
b: 3.82474e-3
x: Amount Ratio
y: Area Ratio



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

==========

A
2012 JUN 11

12024

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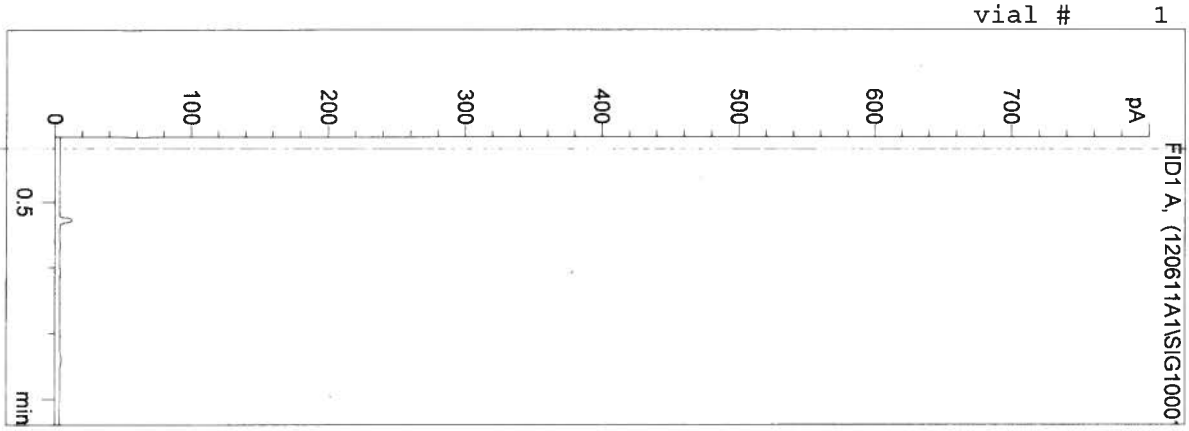
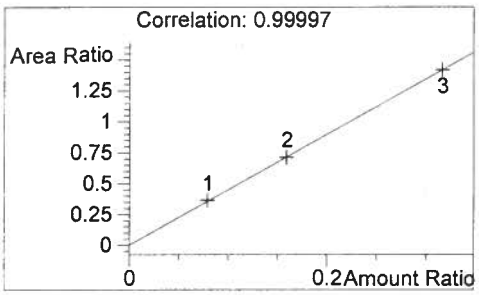
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:02:27 AM
Instrument 1
DB-ALC1

blank
asa louis

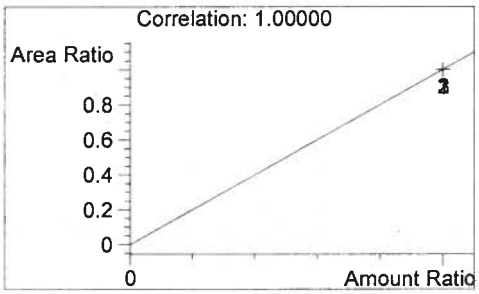
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

A
2012 JUN 11

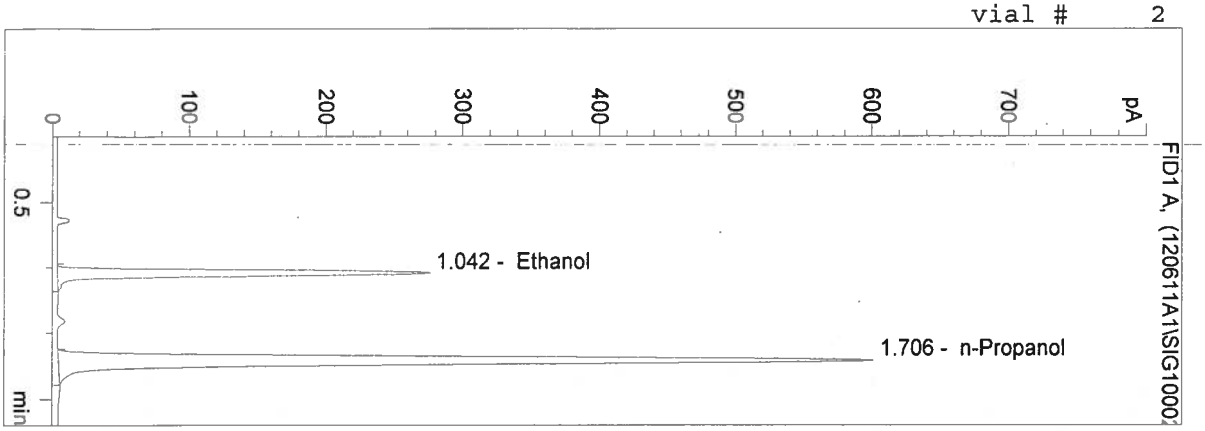
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

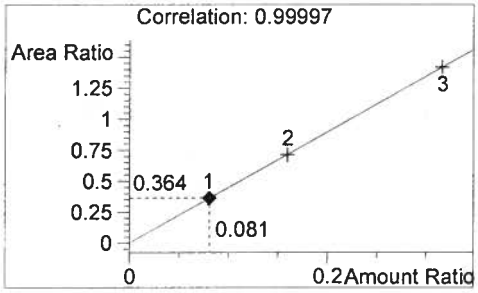
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:05:32 AM
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

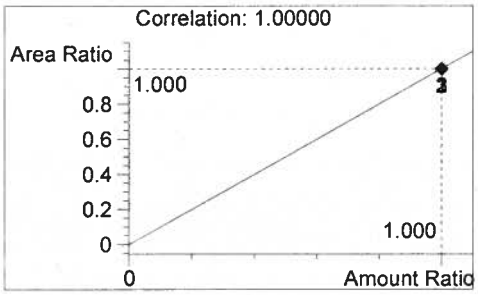
vial # 2



#	Compound	Area	RT
1	Ethanol	865	1.042
2	n-Propanol	2372	1.706
Tot			



Ethanol 0.081 g/100 mL



n-Propanol 1.000 g/100 mL

2012 JUN 11

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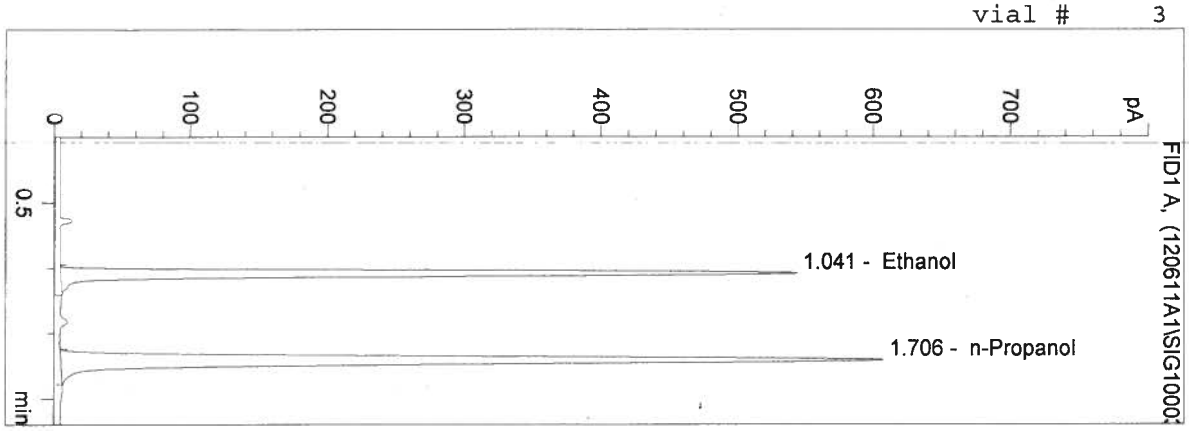
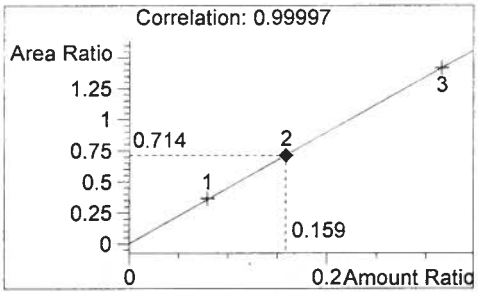
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:08:37 AM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

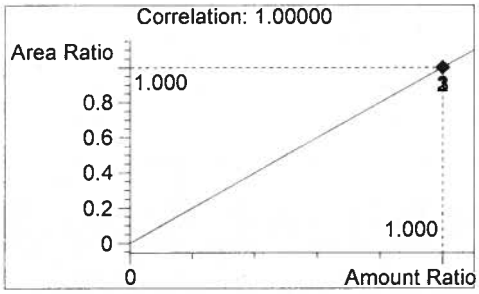
vial # 3



#	Compound	Area	RT
1	Ethanol	1711	1.041
2	n-Propanol	2398	1.706
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 JUN 11

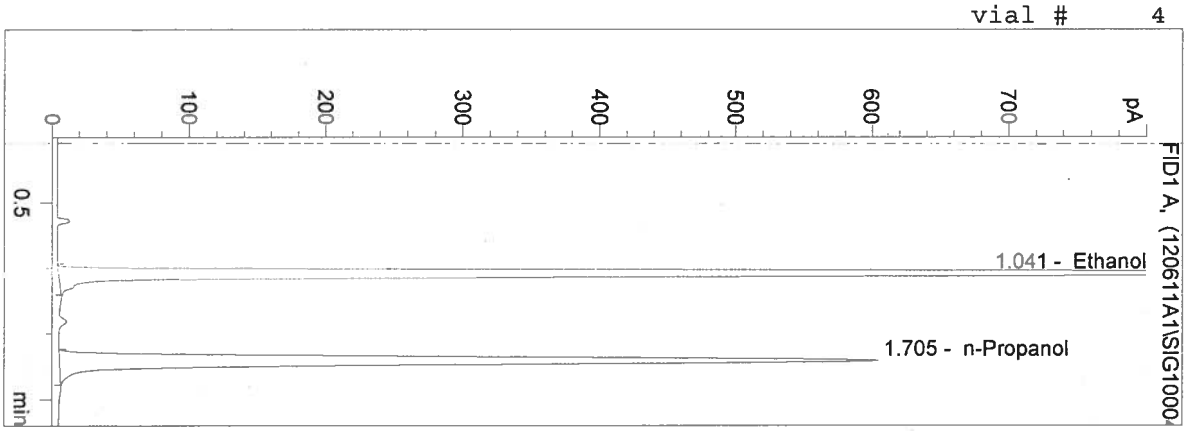
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

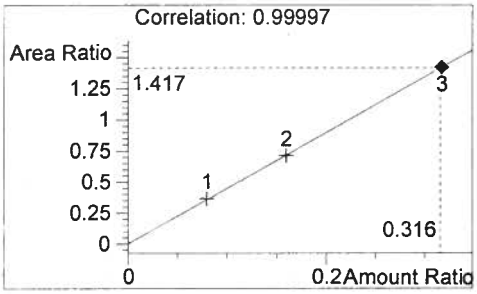
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:11:42 AM
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

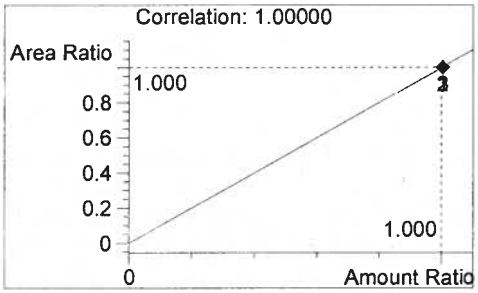
vial # 4



#	Compound	Area	RT
1	Ethanol	3371	1.041
2	n-Propanol	2379	1.705
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 JUN 11

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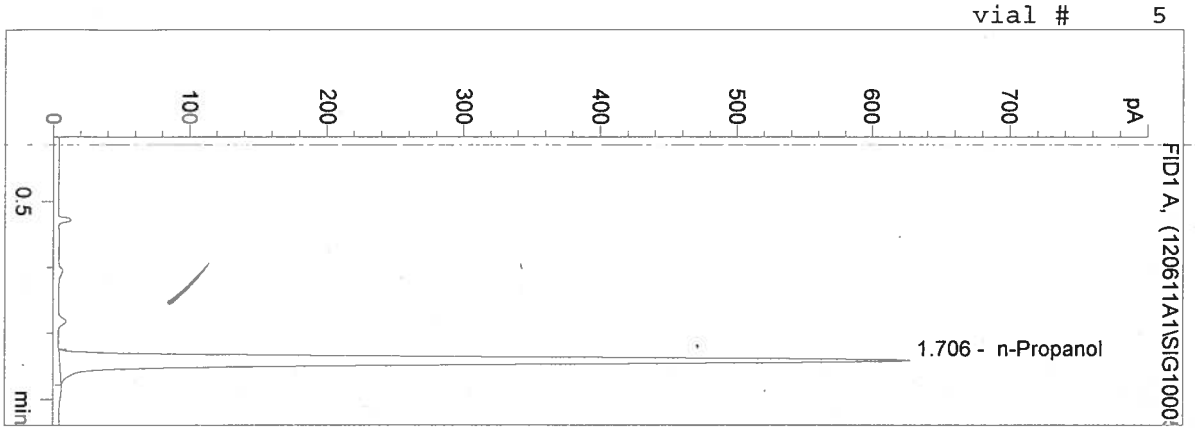
WASHINGTON STATE TOXICOLOGY LABORATORY

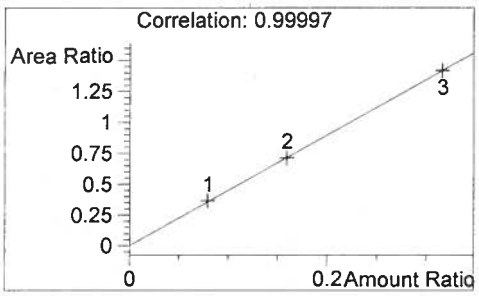
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:14:46 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

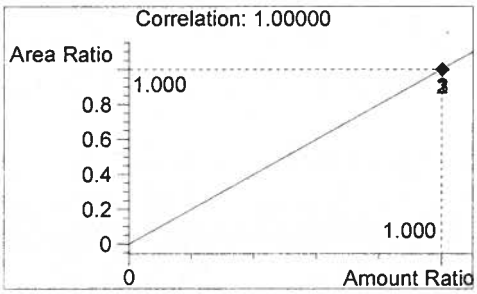
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2478	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

2012 JUN 11

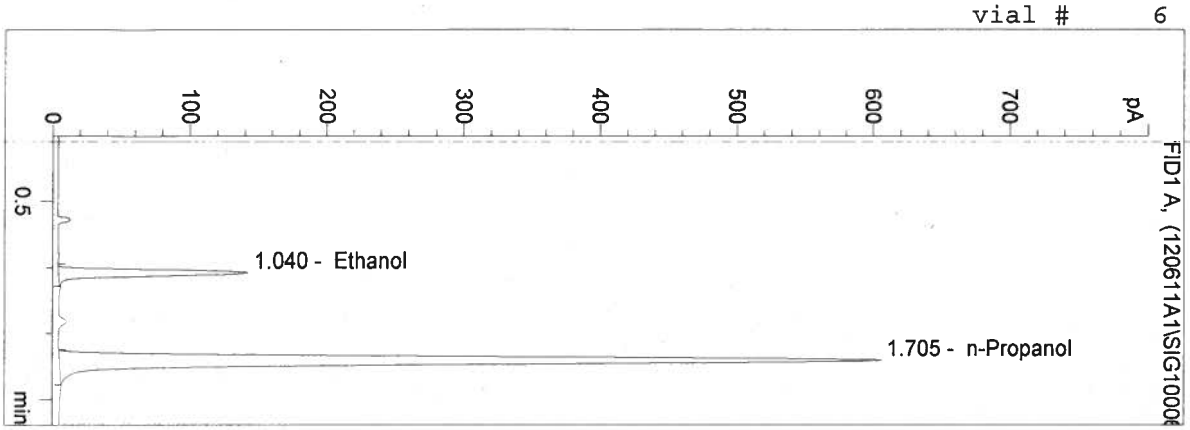
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

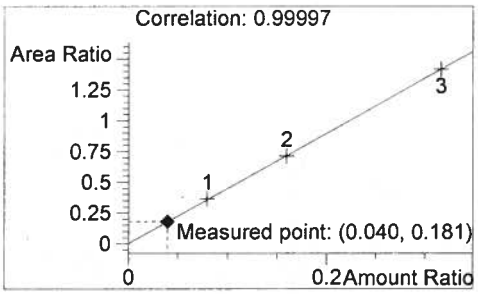
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:17:51 AM
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

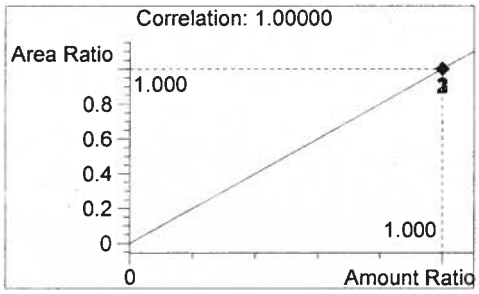
vial # 6



#	Compound	Area	RT
1	Ethanol	430	1.040
2	n-Propanol	2383	1.705
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

2012 JUN 11

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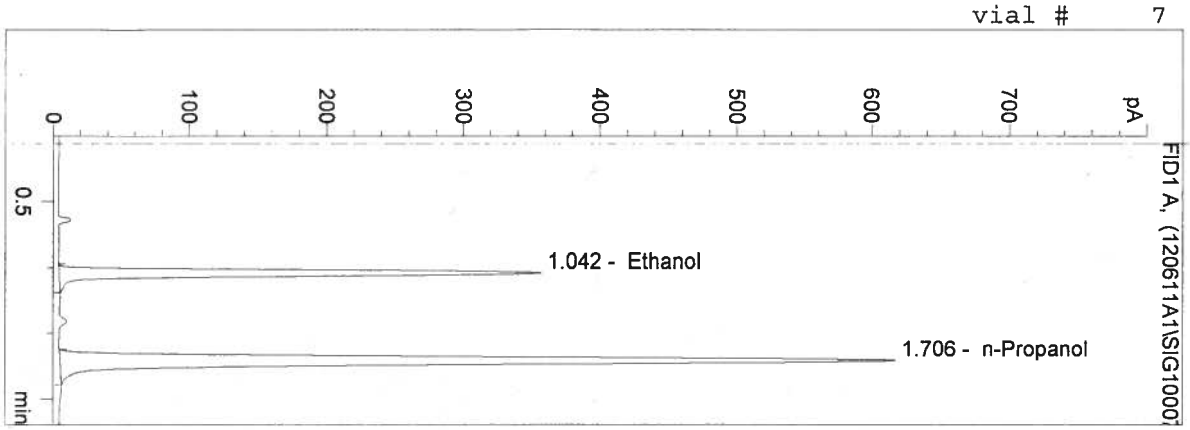
WASHINGTON STATE TOXICOLOGY LABORATORY

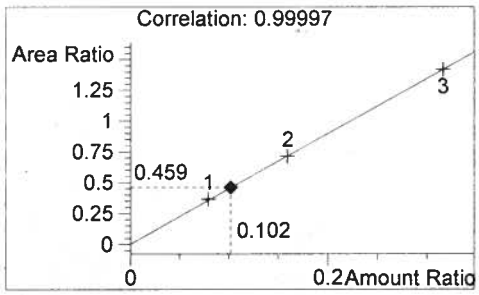
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:20:56 AM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

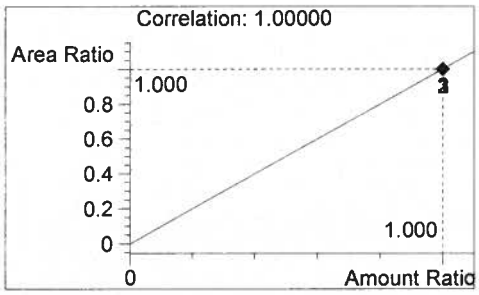
vial # 7



#	Compound	Area	RT
1	Ethanol	1119	1.042
2	n-Propanol	2438	1.706
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

4
2012 JUN 11

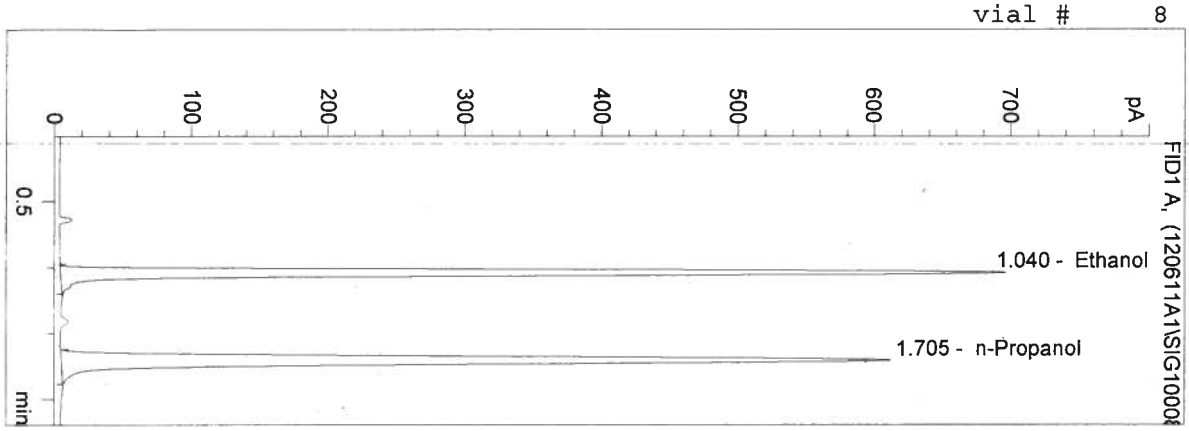
12024

WASHINGTON STATE TOXICOLOGY LABORATORY

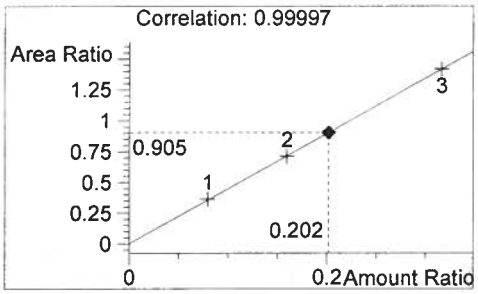
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:24:01 AM
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

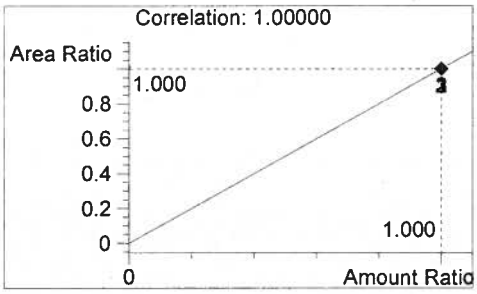
vial # 8



#	Compound	Area	RT
1	Ethanol	2181	1.040
2	n-Propanol	2409	1.705
Tot			



Ethanol 0.202 g/100 mL



n-Propanol 1.000 g/100 mL

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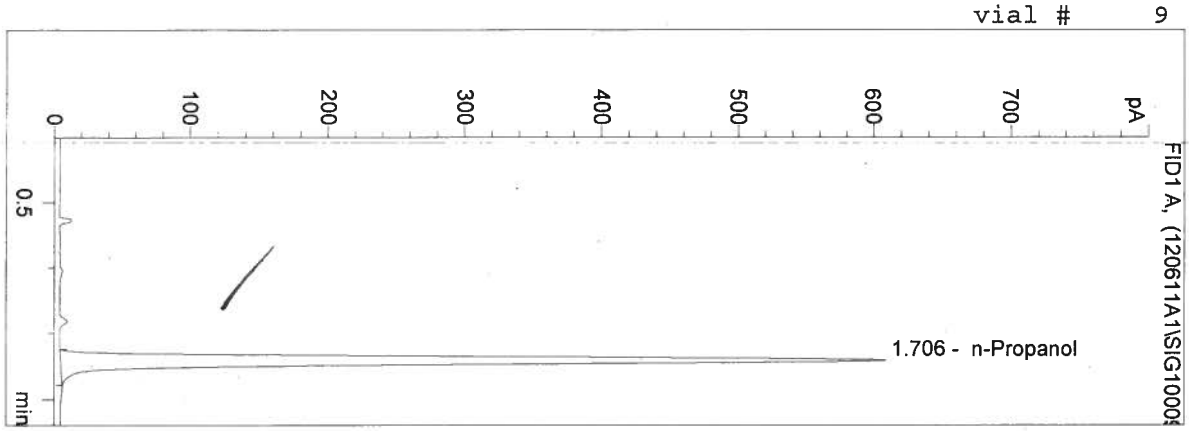
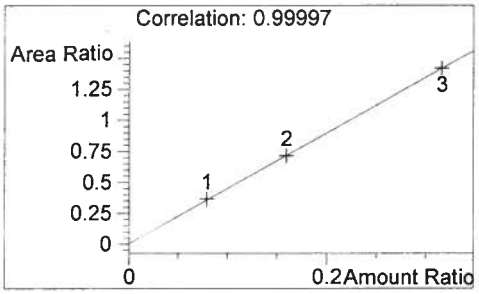
6/11/2012 10:27:06 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

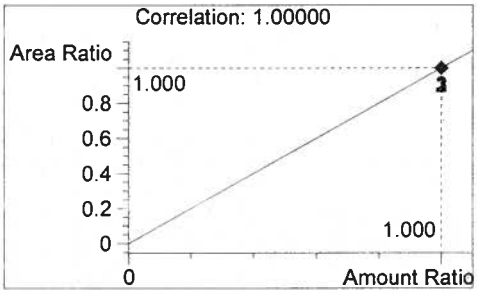
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2396	1.706
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 JUN 11

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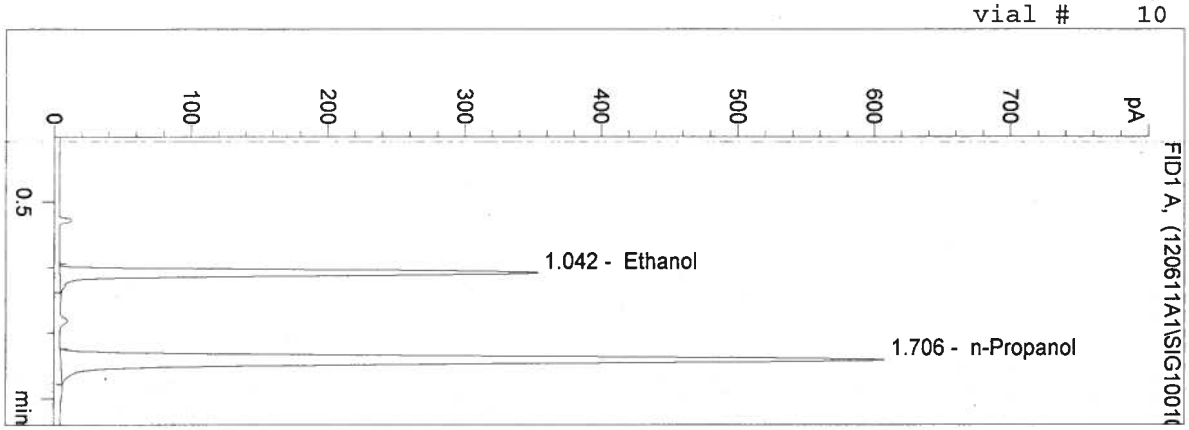
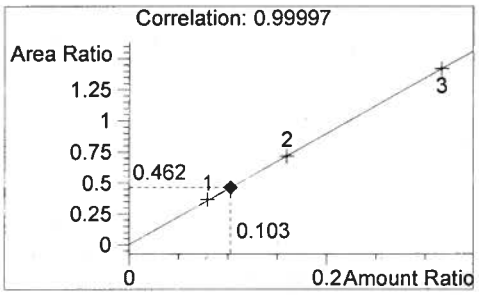
6/11/2012 10:30:10 AM
Instrument 1
DB-ALC1

12024 #1
asa louis

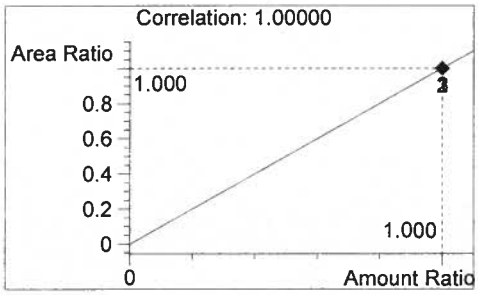
vial # 10



#	Compound	Area	RT
1	Ethanol	1107	1.042
2	n-Propanol	2396	1.706
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

AK
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WASHINGTON STATE TOXICOLOGY LABORATORY

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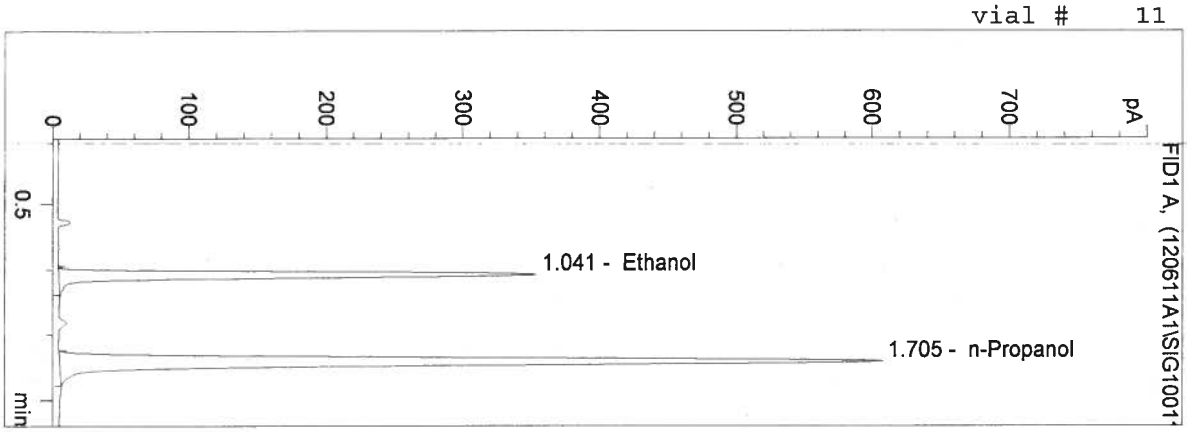
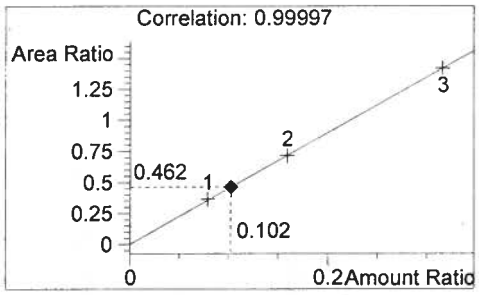
6/11/2012 10:33:15 AM
Instrument 1
DB-ALC1

12024 #2
asa louis

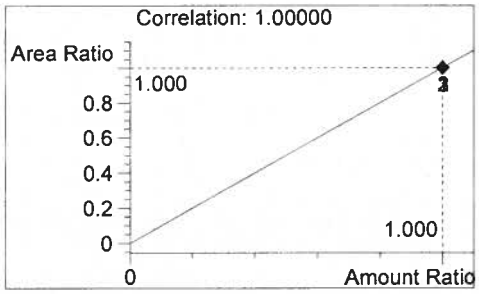
vial # 11



#	Compound	Area	RT
1	Ethanol	1102	1.041
2	n-Propanol	2388	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

AK
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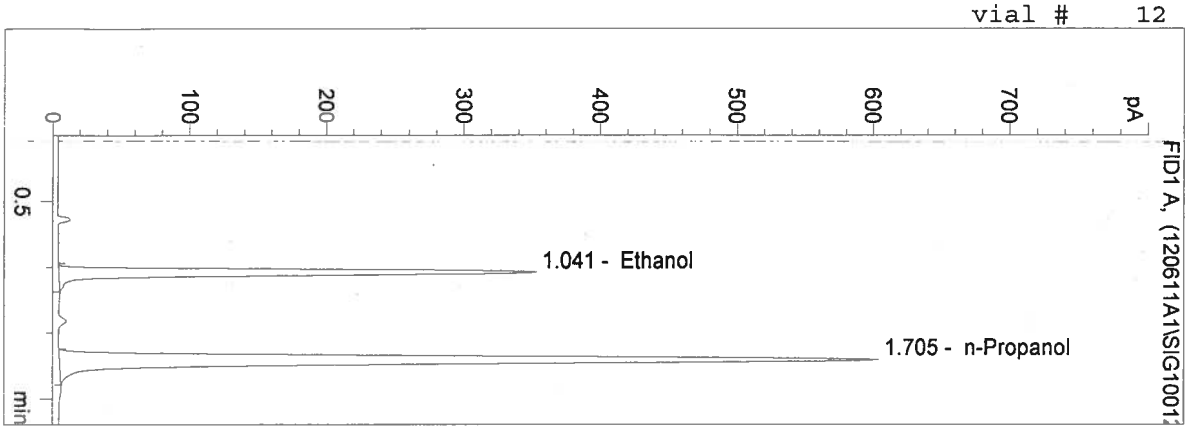
WASHINGTON STATE TOXICOLOGY LABORATORY

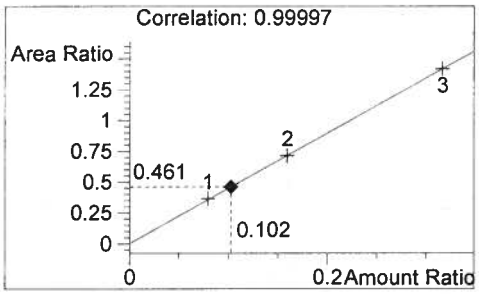
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:36:20 AM
Instrument 1
DB-ALC1

12024 #3
asa louis

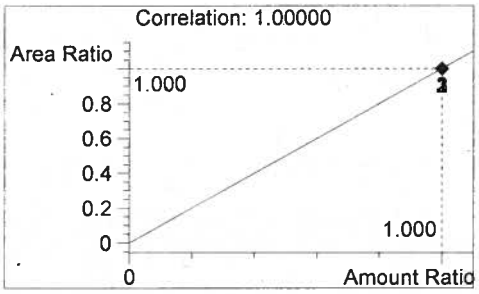
vial # 12



#	Compound	Area	RT
1	Ethanol	1099	1.041
2	n-Propanol	2381	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

AK
2012 JUN 11

WASHINGTON STATE TOXICOLOGY LABORATORY

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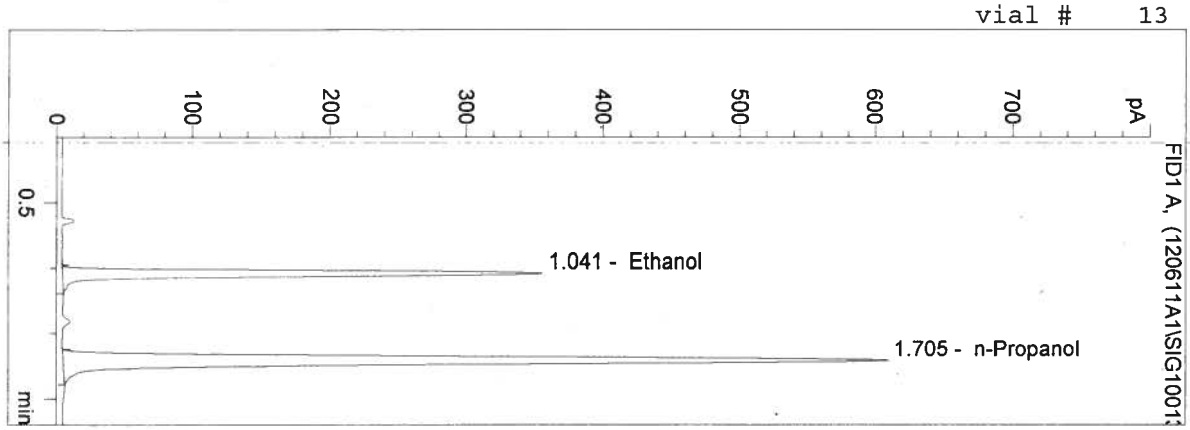
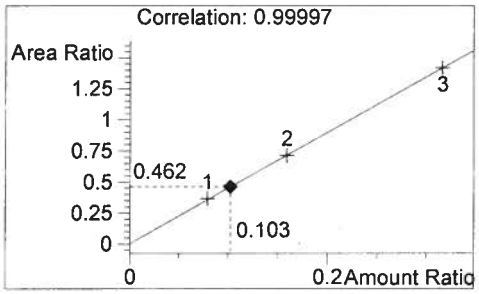
6/11/2012 10:39:24 AM
Instrument 1
DB-ALC1

12024 #4
asa louis

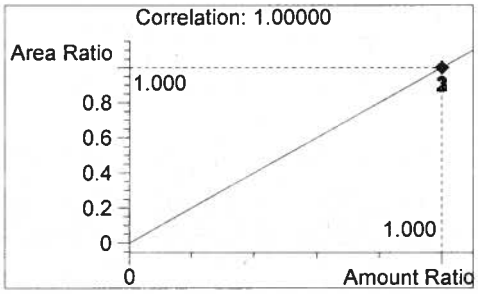
vial # 13



#	Compound	Area	RT
1	Ethanol	1109	1.041
2	n-Propanol	2399	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

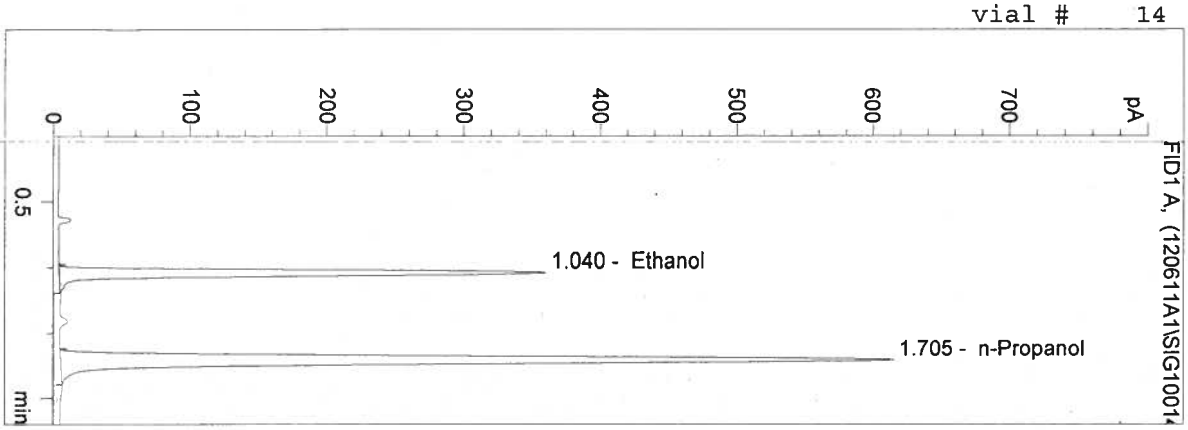
M
2012 JUN 11

WASHINGTON STATE TOXICOLOGY LABORATORY

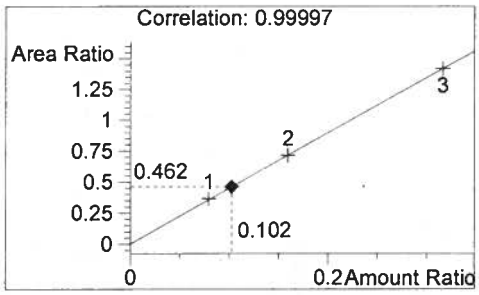
C:\HPCHEM\1\METHODS\SIMALC1.M
6/11/2012 10:42:29 AM
Instrument 1
DB-ALC1

12024 #5
asa louis

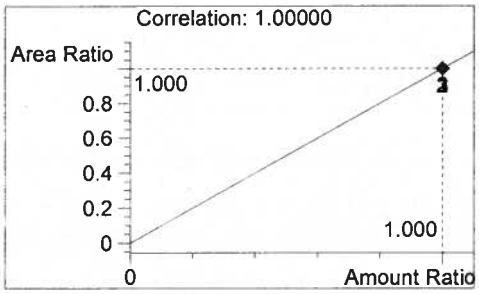
vial # 14



#	Compound	Area	RT
1	Ethanol	1119	1.040
2	n-Propanol	2423	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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2012 JUN 11

WASHINGTON STATE TOXICOLOGY LABORATORY

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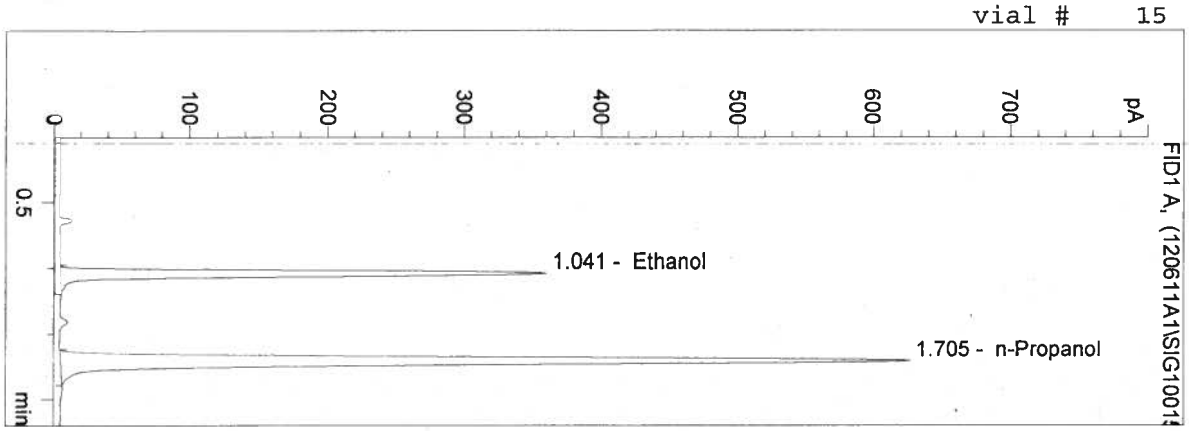
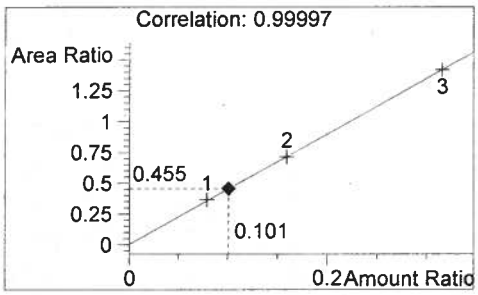
6/11/2012 10:45:34 AM
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

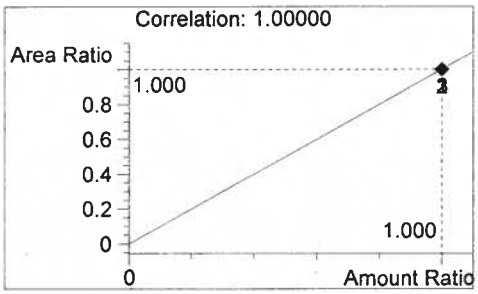
vial # 15



#	Compound	Area	RT
1	Ethanol	1124	1.041
2	n-Propanol	2470	1.705
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

AK
2012 JUN 11

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WASHINGTON STATE TOXICOLOGY LABORATORY

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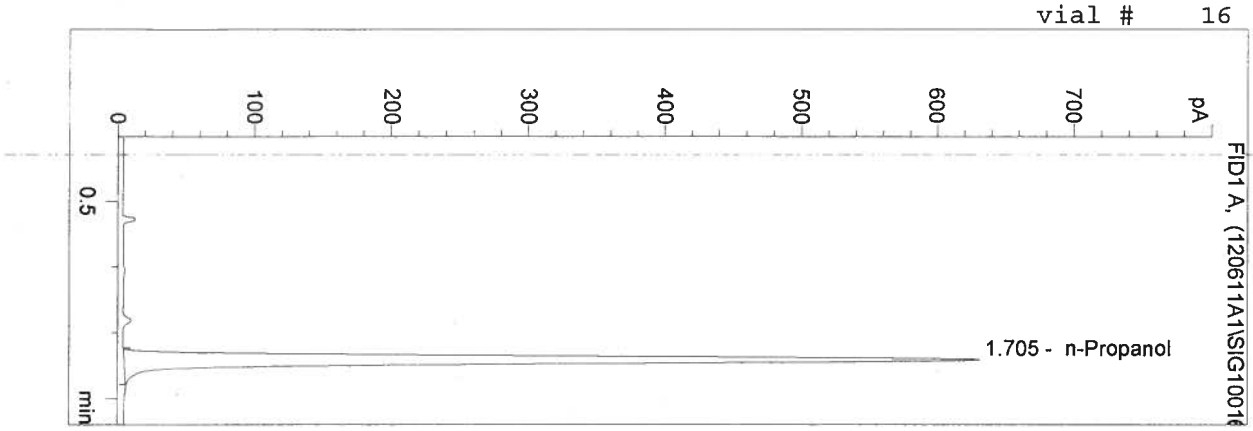
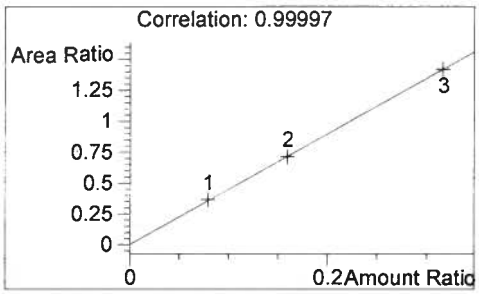
6/11/2012 10:48:38 AM
Instrument 1
DB-ALC1

neg control - al
asa louis

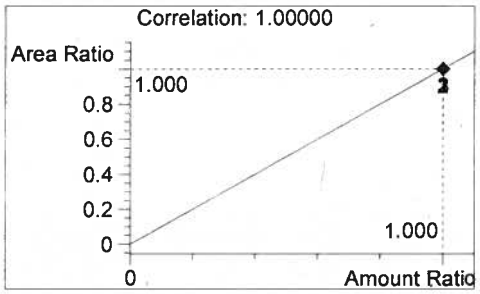
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2485	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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12024

Sequence Parameters:

Operator:	Brianne E. O'Reilly
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120612BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 - Lot: E0412-01 - exp 7/11/2012
Cal 2 - Lot: E0412-02 - exp 7/11/2012
Cal 3 - Lot: E0412-03 - exp 7/11/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CONTROL-BO	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-BO	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-BO	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-BO	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-BO	SIMALC1	1	Ctrl Samp		
10	Vial 10	12024 #1	SIMALC1	1	Sample		
11	Vial 11	12024 #2	SIMALC1	1	Sample		
12	Vial 12	12024 #3	SIMALC1	1	Sample		
13	Vial 13	12024 #4	SIMALC1	1	Sample		
14	Vial 14	12024 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-BO	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-BO	SIMALC1	1	Ctrl Samp		

Calibration Part:

12024

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	

BW

Sequence Table (Back Injector):

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

No entries - empty table!

12024

BW

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

Calibration Table

Calib. Data Modified : Tuesday, June 12, 2012 7:27:48 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.040	1	1	7.91800e-2	955.49933	8.28677e-5	1		Ethanol
		2	1.59320e-1	1851.08557	8.60684e-5			
		3	3.16260e-1	3632.64453	8.70605e-5			
1.704	1	1	1.00000	2602.75708	3.84208e-4	I1		n-Propanol
		2	1.00000	2546.44727	3.92704e-4			
		3	1.00000	2526.42725	3.95816e-4			

Peak Sum Table

No Entries in table

12024

BW

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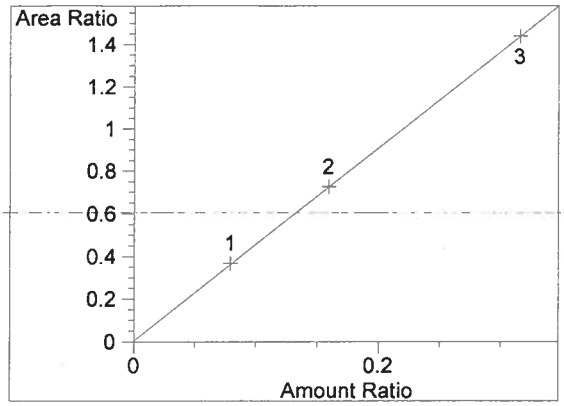
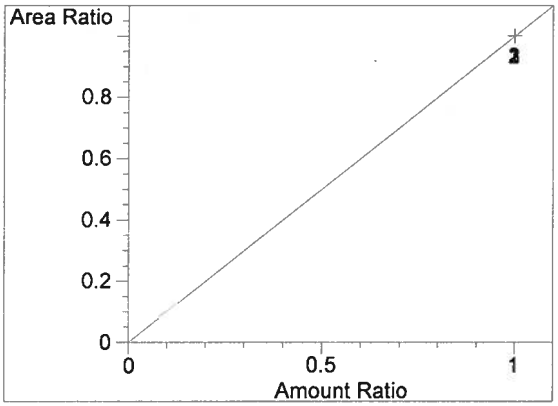
Calibration Curves

==========



Ethanol at exp. RT: 1.040
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00396
Formula: y = mx + b
m: 4.53968
b: 3.36683e-3
x: Amount Ratio
y: Area Ratio



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

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12024

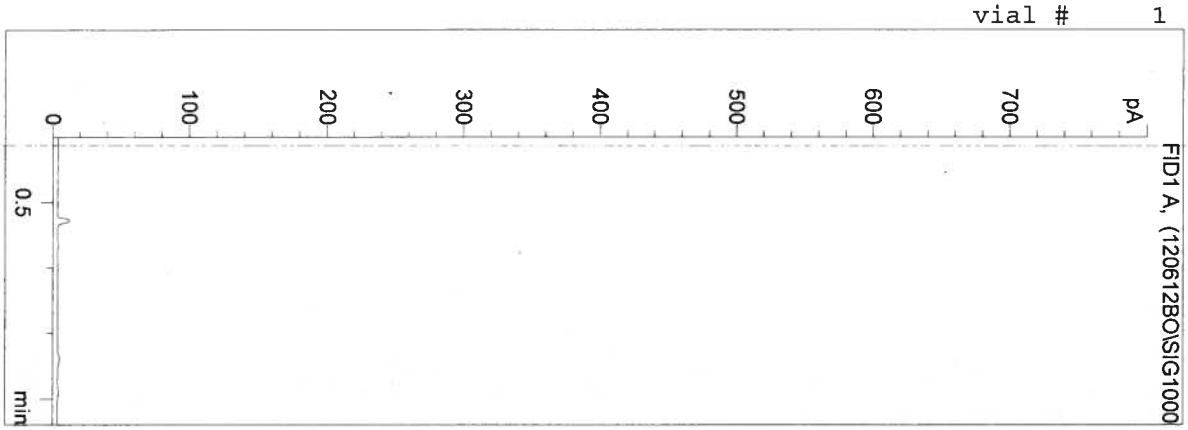
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

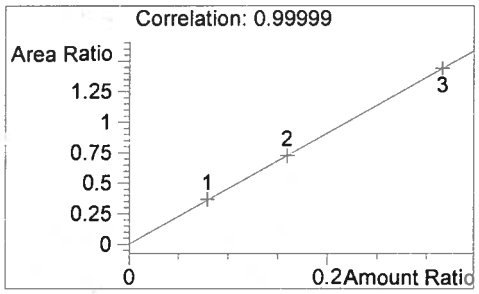
C:\HPCHEM\1\METHODS\SIMALC1.M
6/12/2012 7:16:21 AM
Instrument 1
DB-ALC1

BLANK
Brianne E. O'Reilly

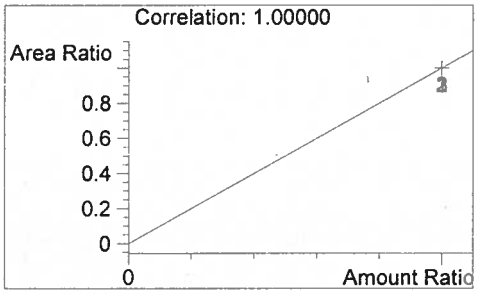
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12024

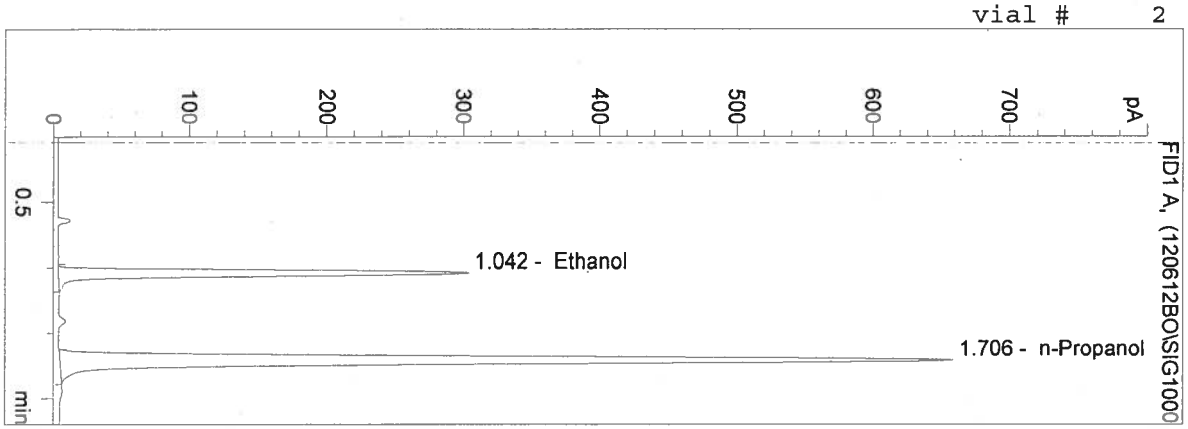
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

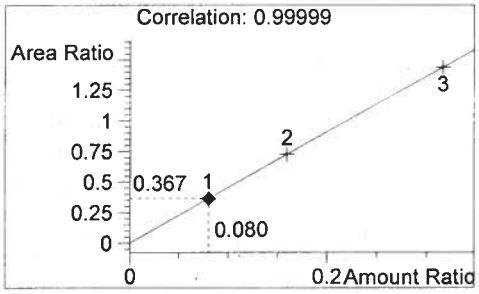
C:\HPCHEM\1\METHODS\SIMALC1.M
6/12/2012 7:19:26 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianne E. O'Reilly

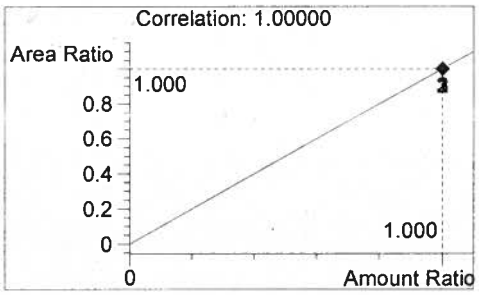
vial # 2



#	Compound	Area	RT
1	Ethanol	955	1.042
2	n-Propanol	2603	1.706
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12024

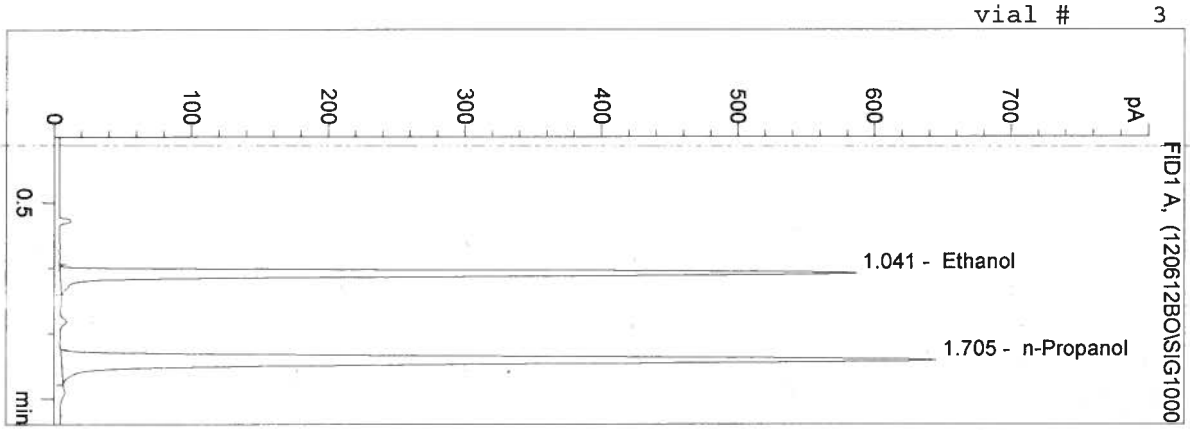
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

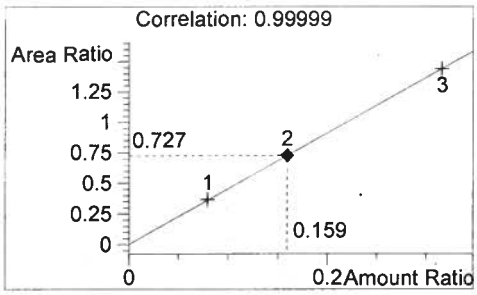
C:\HPCHEM\1\METHODS\SIMALC1.M
6/12/2012 7:22:30 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianne E. O'Reilly

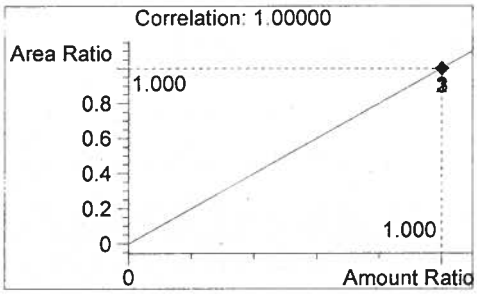
vial # 3



#	Compound	Area	RT
1	Ethanol	1851	1.041
2	n-Propanol	2546	1.705
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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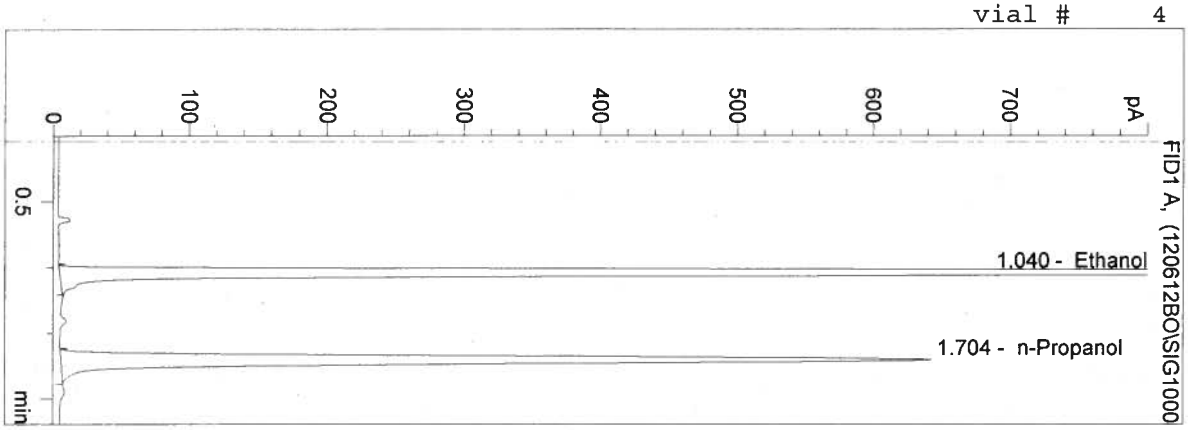
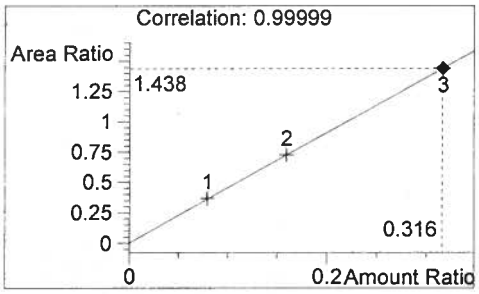
6/12/2012 7:25:35 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianne E. O'Reilly

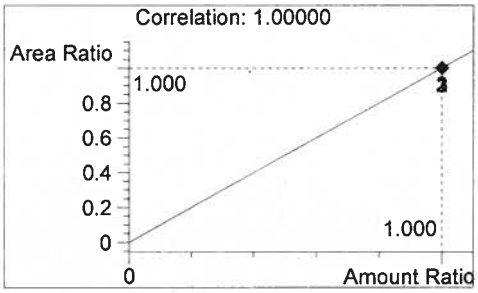
vial # 4



#	Compound	Area	RT
1	Ethanol	3633	1.040
2	n-Propanol	2526	1.704
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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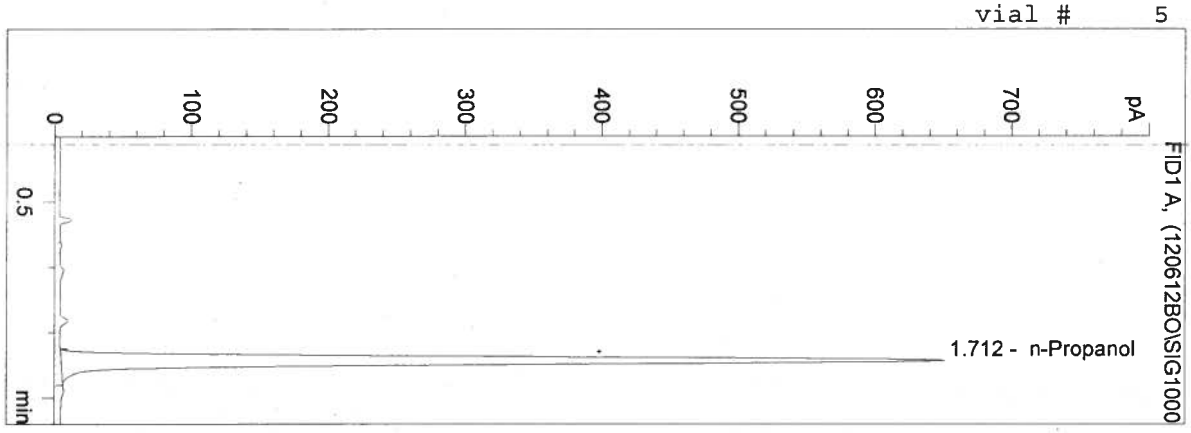
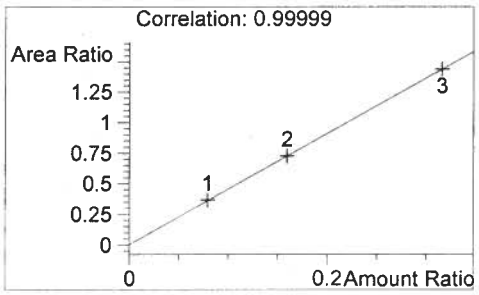
6/12/2012 7:28:40 AM
Instrument 1
DB-ALC1

NEG CONTROL-BO
Brianne E. O'Reilly

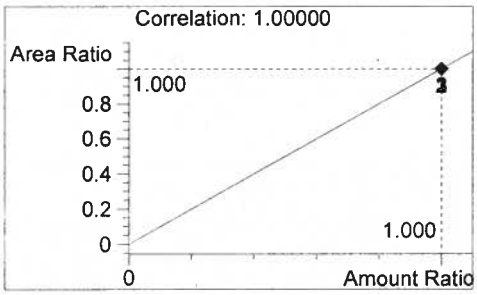
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2604	1.712
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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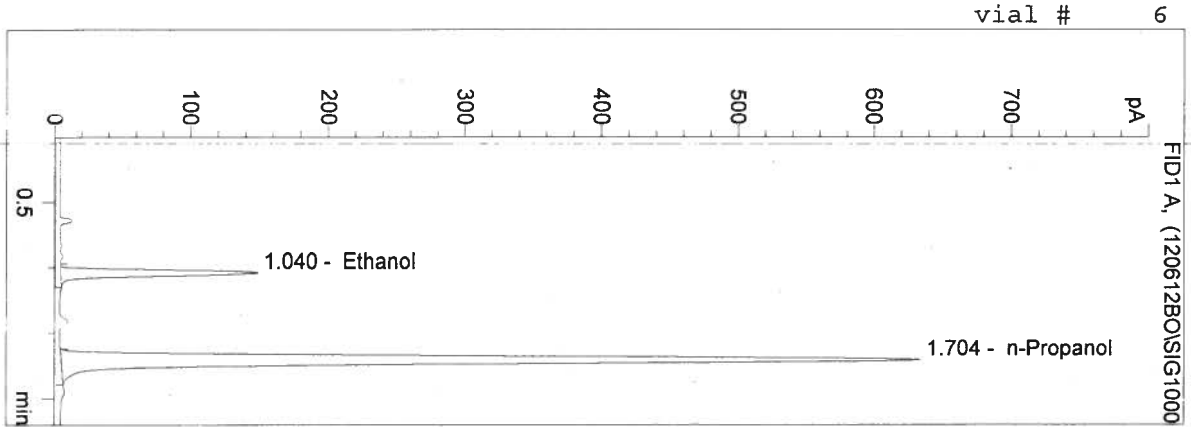
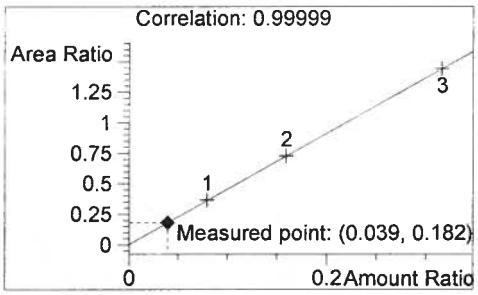
6/12/2012 7:31:44 AM
Instrument 1
DB-ALC1

0.04 CONTROL-BO
Brianne E. O'Reilly

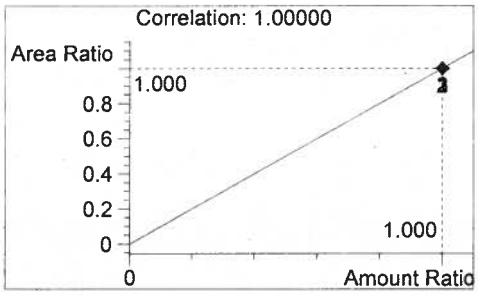
vial # 6



#	Compound	Area	RT
1	Ethanol	454	1.040
2	n-Propanol	2491	1.704
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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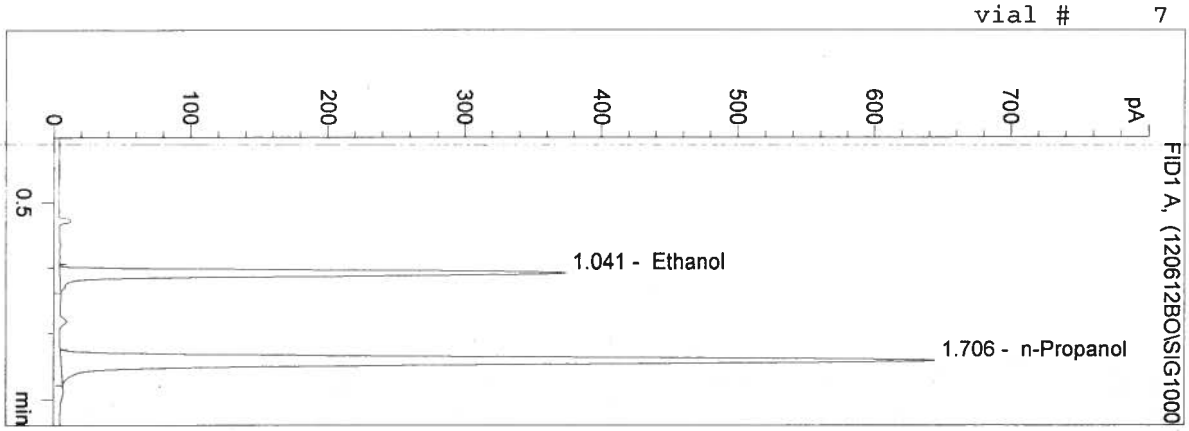
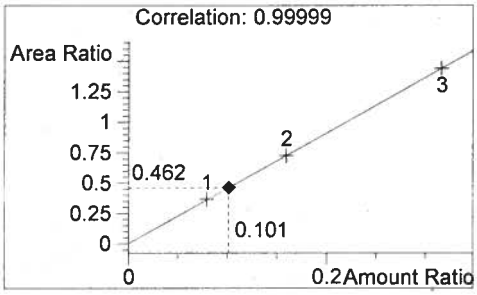
6/12/2012 7:34:49 AM
Instrument 1
DB-ALC1

0.10 CONTROL-BO
Brianne E. O'Reilly

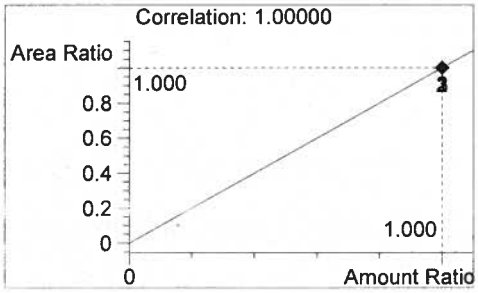
vial # 7



#	Compound	Area	RT
1	Ethanol	1177	1.041
2	n-Propanol	2544	1.706
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

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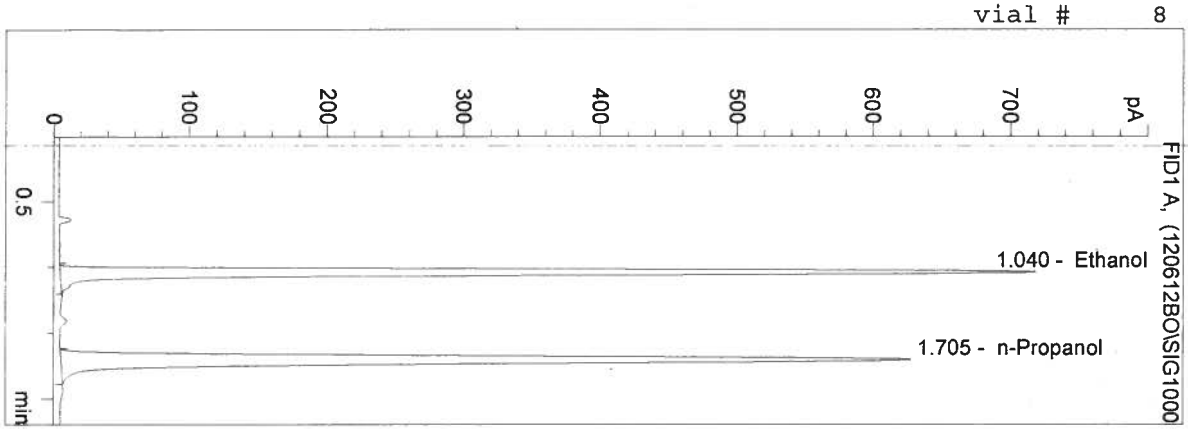
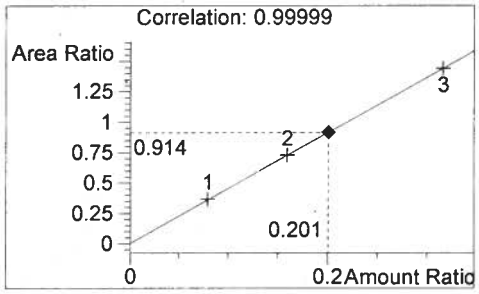
Instrument 1
DB-ALC1

0.20 CONTROL-BO
Brianne E. O'Reilly

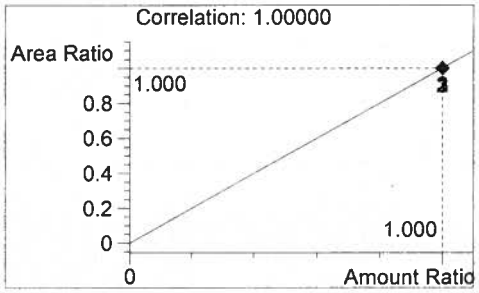
vial # 8



#	Compound	Area	RT
1	Ethanol	2259	1.040
2	n-Propanol	2472	1.705
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

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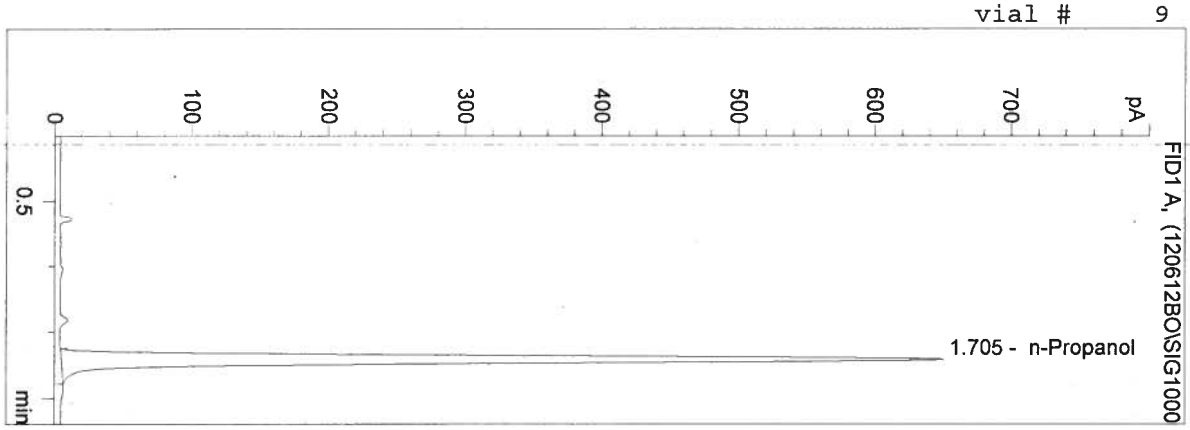
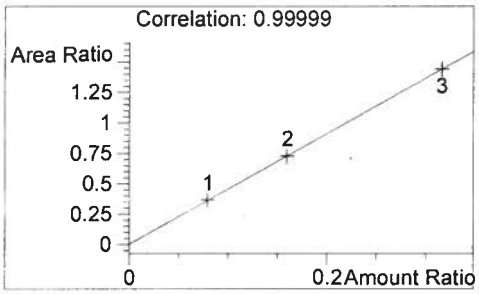
Instrument 1
DB-ALC1

NEG CONTROL-BO
Brianne E. O'Reilly

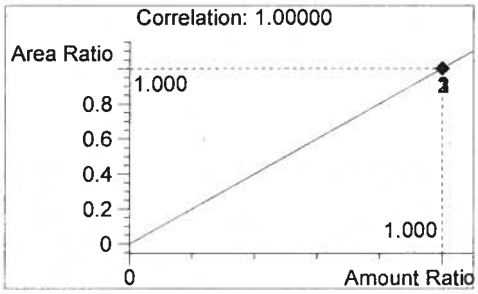
vial # 9



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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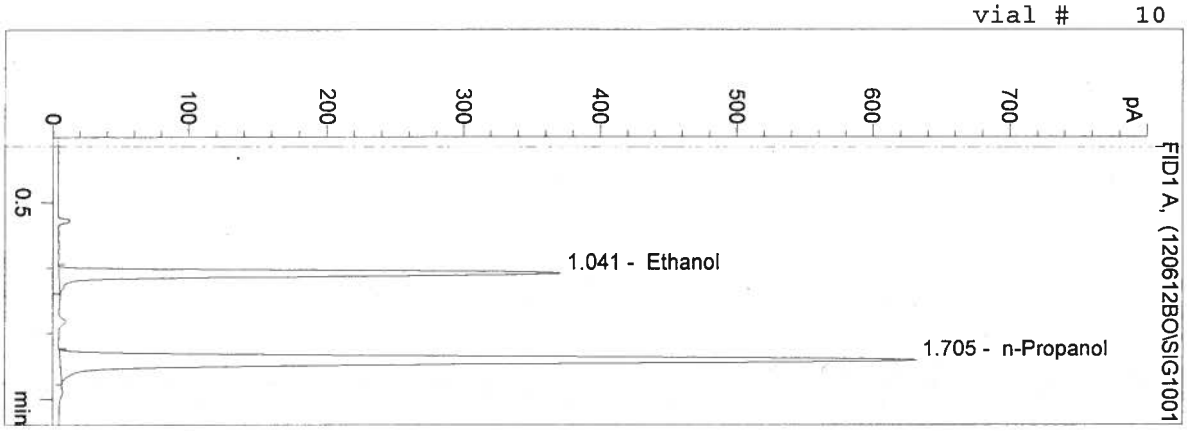
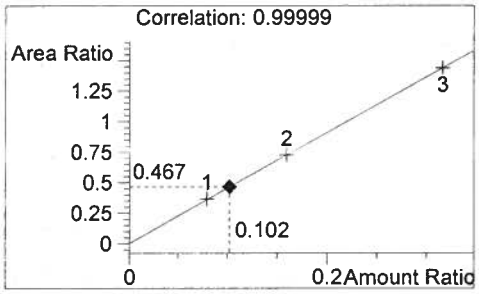
6/12/2012 7:44:03 AM
Instrument 1
DB-ALC1

12024 #1
Brianne E. O'Reilly

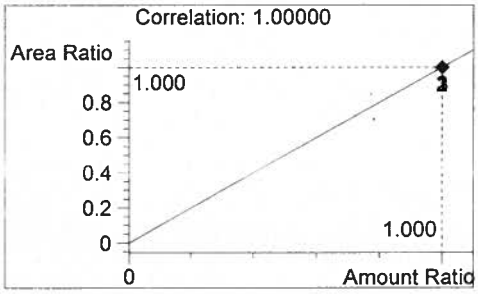
vial # 10



#	Compound	Area	RT
1	Ethanol	1160	1.041
2	n-Propanol	2485	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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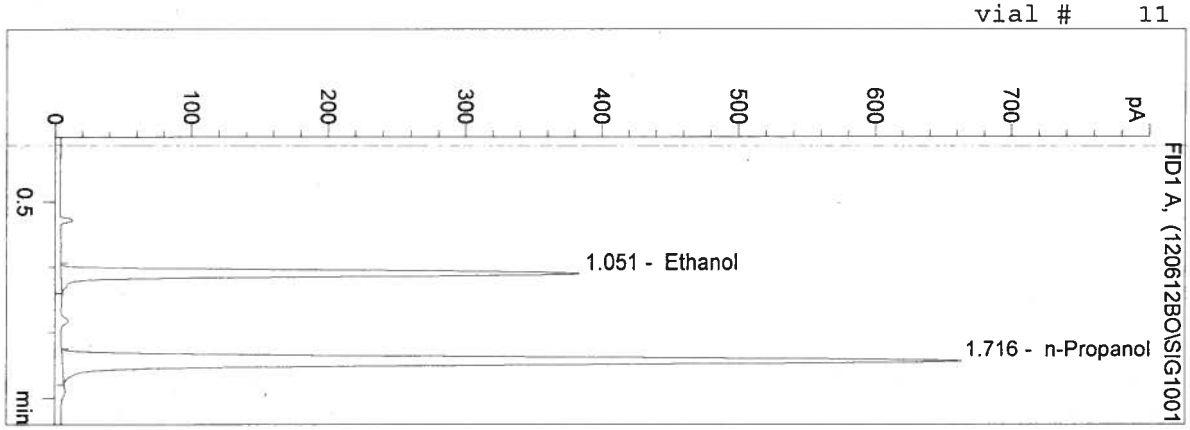
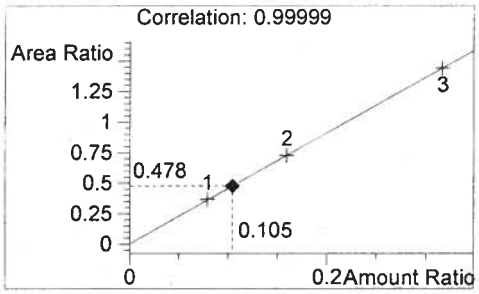
Instrument 1
DB-ALC1

12024 #2
Brianne E. O'Reilly

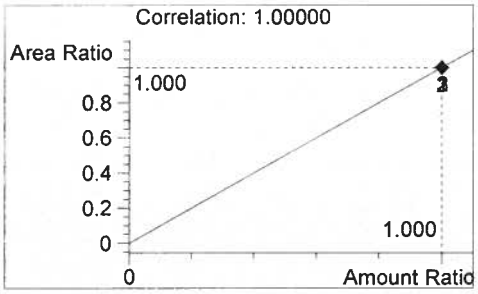
vial # 11



#	Compound	Area	RT
1	Ethanol	1288	1.051
2	n-Propanol	2694	1.716
Tot			



Ethanol 0.105 g/100 mL



n-Propanol 1.000 g/100 mL

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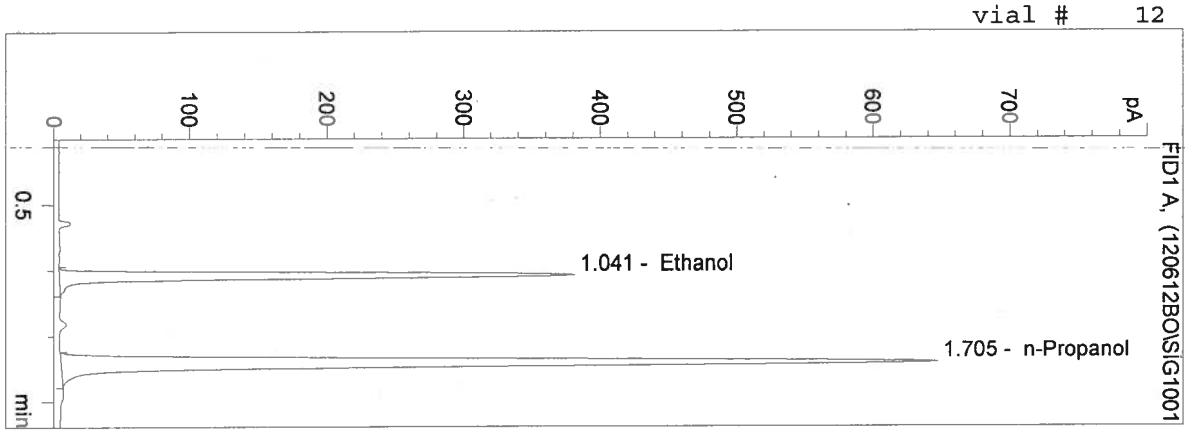
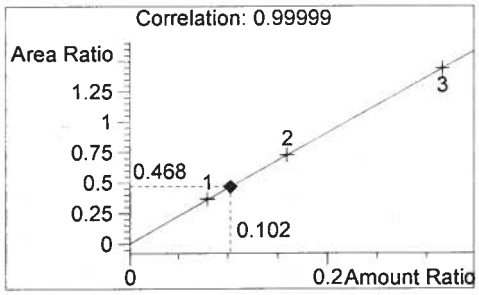
Instrument 1
DB-ALC1

12024 #3
Brianne E. O'Reilly

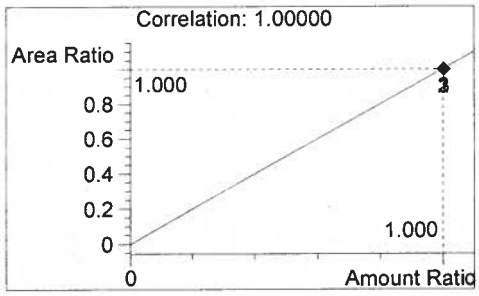
vial # 12



#	Compound	Area	RT
1	Ethanol	1193	1.041
2	n-Propanol	2547	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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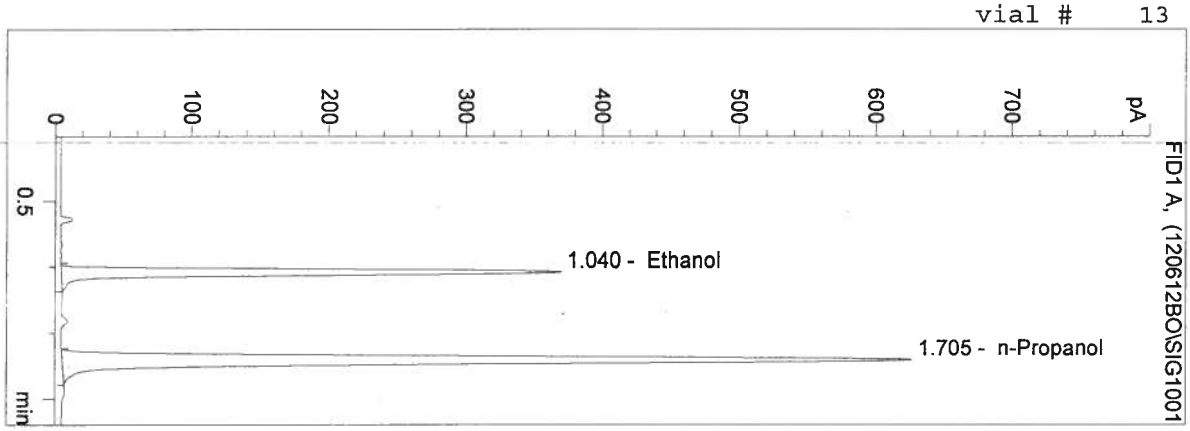
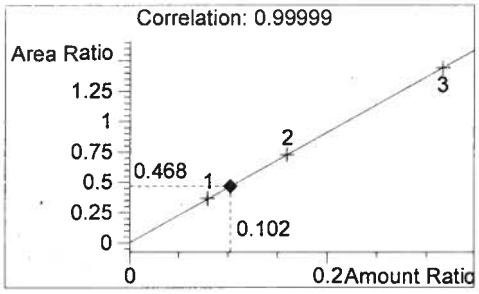
Instrument 1
DB-ALC1

12024 #4
Brianne E. O'Reilly

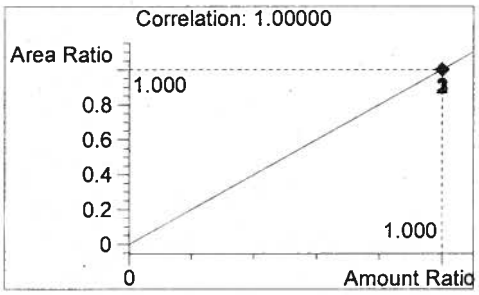
vial # 13



#	Compound	Area	RT
1	Ethanol	1153	1.040
2	n-Propanol	2466	1.705
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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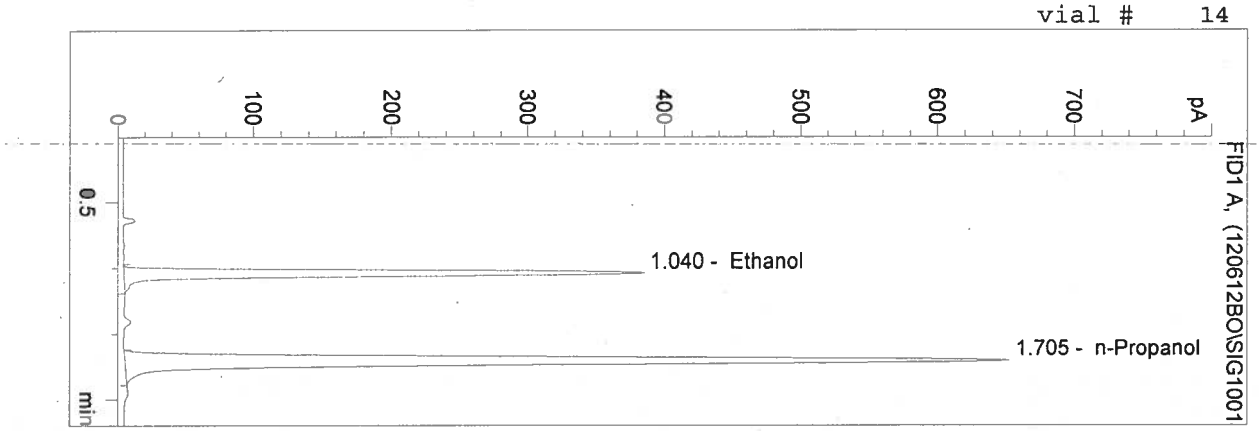
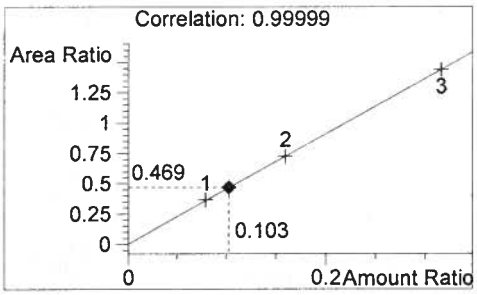
Instrument 1
DB-ALC1

12024 #5
Brianne E. O'Reilly

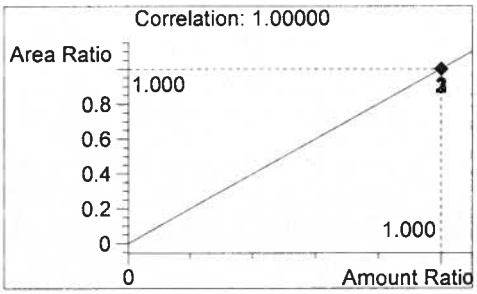
vial # 14



#	Compound	Area	RT
1	Ethanol	1204	1.040
2	n-Propanol	2568	1.705
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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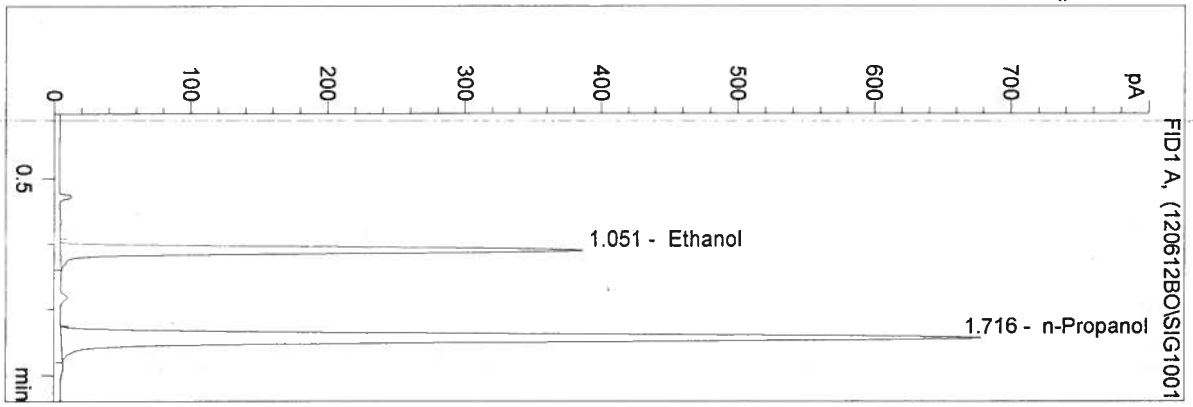
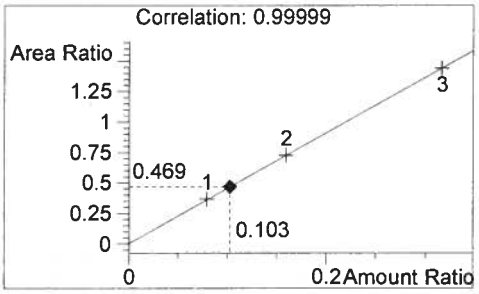
Instrument 1
DB-ALC1

0.10 CONTROL-BO
Brianne E. O'Reilly

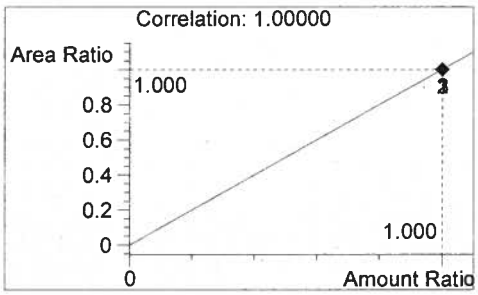
vial # 15



#	Compound	Area	RT
1	Ethanol	1299	1.051
2	n-Propanol	2770	1.716
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

12024

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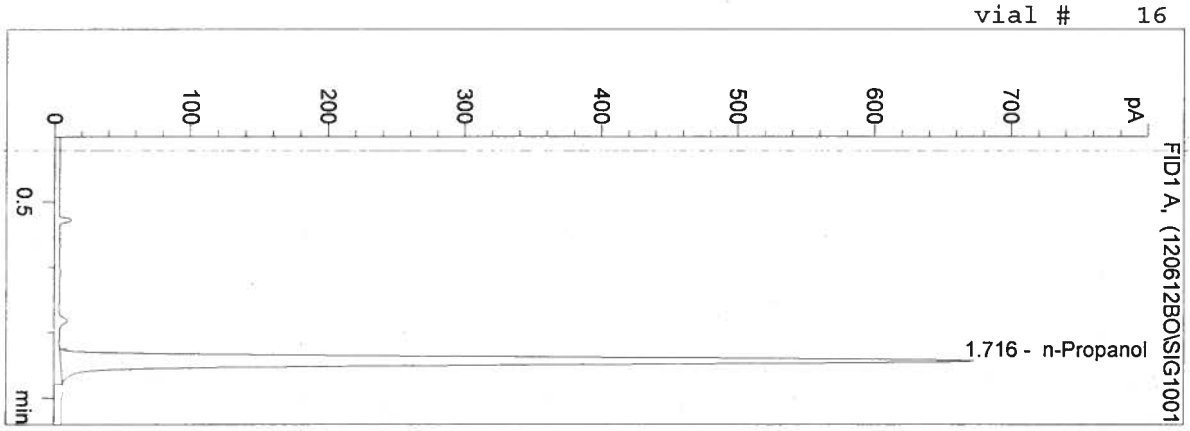
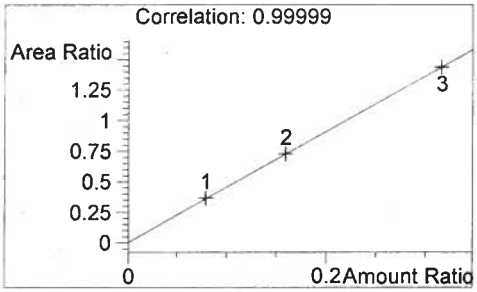
6/12/2012 8:02:32 AM
Instrument 1
DB-ALC1

NEG CONTROL-BO
Brianne E. O'Reilly

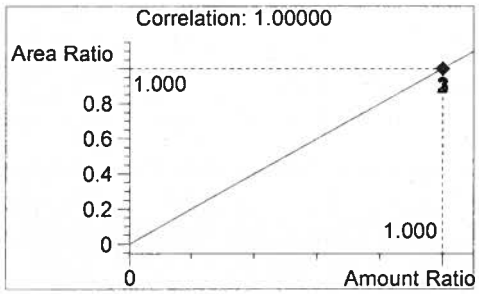
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2742	1.716
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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