WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2008

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 12005

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: 01/09/2012
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Asa J. louis

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

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1023 g/100mL
STANDARD DEVIATION: 0.00059
PRECISION CV (%): 0.58
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0831 g/210L**
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5 1-25-2012
Melissa L. Pemberton Forensic Scientist Supervisor DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		01/09/2012
CSJ	Christopher S. Johnston		01/09/2012
CM	Christie Mitchell Mata		01/10/2012
RF	Rebecca Flaherty		01/11/2012
JLK	Justin L. Knoy		01/13/2012
DC	Dawn Cox		01/13/2012
SS	Sarah Swenson		01/13/2012
BP	Brianna Peterson		01/17/2012

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 #: 12005 **Date Prepared: 1/9/2012**

Analyst:	AJL	CSJ	CM	RF	JLK	DC	SS	BP
Date Tested:	1/9/2012	1/9/2012	1/10/2012	1/11/2012	1/13/2012	1/13/2012	1/13/2012	1/17/2012
Instrument:	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1	HS#1
1	0.102	0.103	0.102	0.102	0.102	0.101	0.104	0.102
2	0.102	0.103	0.102	0.103	0.102	0.102	0.102	0.102
3	0.102	0.102	0.102	0.102	0.102	0.102	0.103	0.102
4	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.103
5	0.102	0.104	0.102	0.103	0.103	0.102	0.102	0.102
C	0.099	0.101	0.100	0.100	0.100	0.099	0.100	0.100

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000331087	0.0000411743	0.0001016326

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

Average Solution Concentration: 0.1023 g/100mL
Standard Deviation: 0.00059 g/100mL
Precision CV (%): 0.58
Equivalent Vapor Concentration: 0.0831 g/210L
Combined Standard Uncertainty (±): 0.0011 g/210L
Expanded Uncertainty (±): 0.0022 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton [signature] 1-23-2012
Name Signature Date

Calculations verified by: Jason Skletrov [signature] 1-24-12 Method: Hand Calculator
Name Signature Date

Technical review of batch file performed by:
Melissa L. Pemberton [signature] 1-24-12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Jason Sklerov **Date:** January 24, 2012

Location: WSP-FLSB; Seattle, WA **Solution Batch Number:** 12005

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

Comments:

Reviewer Signature: (SKLEROV) **Date:** 1-24-12

Reviewer Signature: N/A JB 1/24/12 **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 JAN 23
Brian Capron		
Brianna Peterson	BP	1/23/12
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell	CM	1/23/12
Christopher Johnston	CJ	1/23/12
Dawn Cox	DC	1.23.12
Justin Knoy	JK	1.23.12
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	1-23-12
Sarah Swenson	SMS	1/23/12

Batch # 12005

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 12005

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 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

2012 JAN 23

Asa J. Louis — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12005

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 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

1/23/2012

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 12005

I, Christie Mitchell-Mata, do certify under penalty of perjury that:

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

I possess the following qualifications: BA degree in Chemistry, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The external standard solution, Lot Number 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

Christie Mitchell-Mata 1/23/2012

Christie Mitchell-Mata Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12005

I, Rebecca Flaherty, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The external standard solution, Lot Number 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

1-23-12

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12005

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 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

1-23-12

Justin L. Knoy — Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12005

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

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

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

The external standard solution, Lot Number 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

1·23·12

Dawn Cox — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12005

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 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

1/23/12

Sarah M. Swenson — 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 12005

I, Brianna Peterson, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry, MS degree in Forensic Science, and Ph.D. degree in Toxicology.

The external standard solution, Lot Number 12005, was prepared in the Washington State Toxicology Laboratory on 1/9/2012. 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 1/9/2013.

Seattle, WA

Brianna Peterson 1/23/12

Brianna Peterson Date

Forensic Toxicologist

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:	120109A2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e1111-01 exp 02/10/2012
cal 2 e1111-02 exp 02/10/2012
cal 3 e1111-03 exp 02/10/2012
0.04 control lot# a077459 exp 02/2015
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014

Sequence Table (Front Injector):

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	12005 #1	SIMALC1	1	Sample		
11	Vial 11	12005 #2	SIMALC1	1	Sample		
12	Vial 12	12005 #3	SIMALC1	1	Sample		
13	Vial 13	12005 #4	SIMALC1	1	Sample		
14	Vial 14	12005 #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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12005

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	

a
2012 JAN 23

Sequence Table (Back Injector):

No entries - empty table!

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2012 Jan 23

Calibration Table

Calib. Data Modified : Monday, January 09, 2012 11:58:50 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.045	1	1	7.86300e-2	925.34314	8.49739e-5	1		Ethanol
		2	1.55890e-1	1881.26953	8.28643e-5			
		3	3.12180e-1	3725.53540	8.37947e-5			
1.710	1	1	1.00000	2759.77832	3.62348e-4	I1		n-Propanol
		2	1.00000	2813.08716	3.55481e-4			
		3	1.00000	2807.15503	3.56233e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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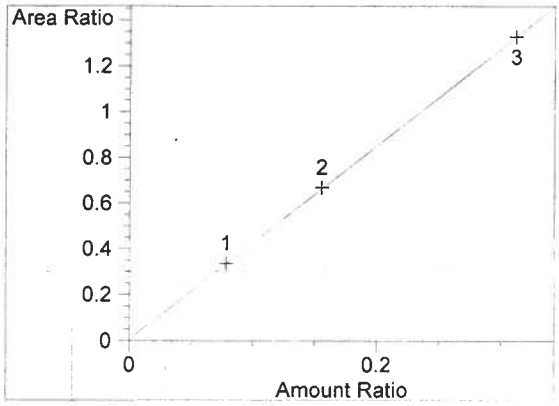
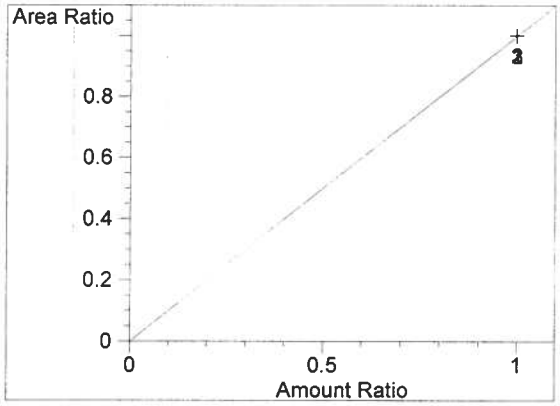


Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00353
Formula: y = mx + b
m: 4.25232
b: 1.61657e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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2012 JAN 23

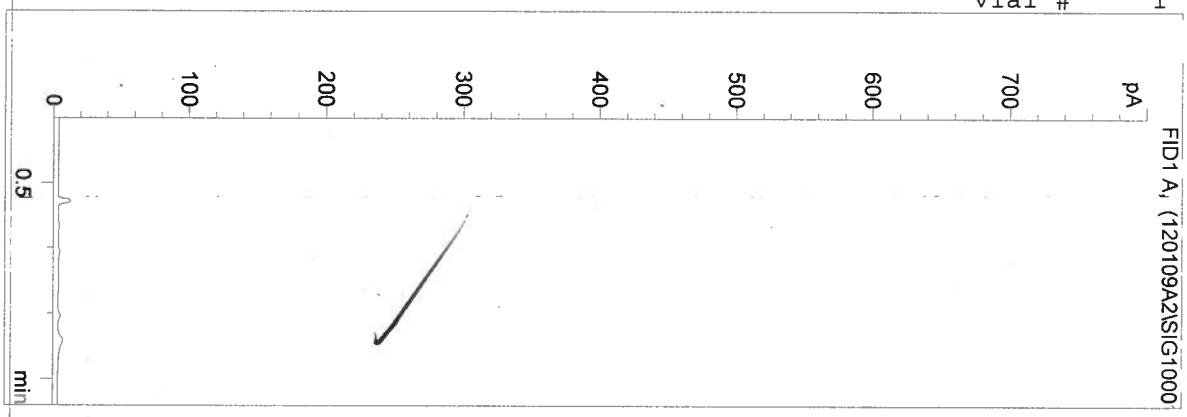
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

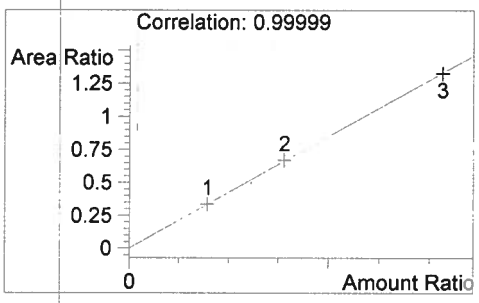
C:\HPCHEM\1\METHODS\SIMALC1.M
1/9/2012 11:47:23 AM
Instrument 1
DB-ALC1

blank
asa louis

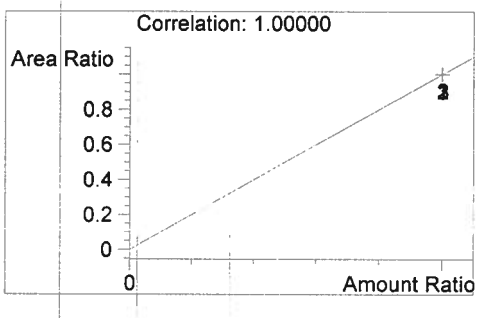
vial # 1



#	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

DX
20120109

DX
2012 JAN 23

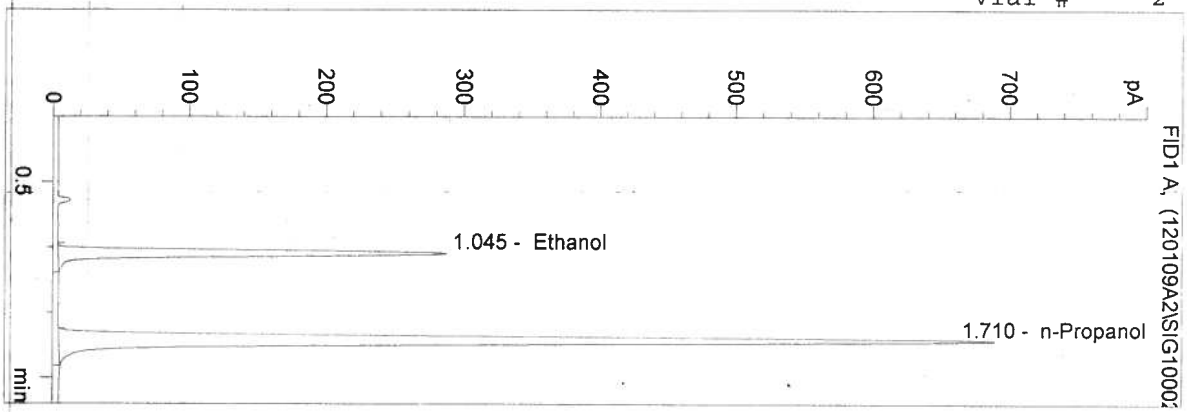
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

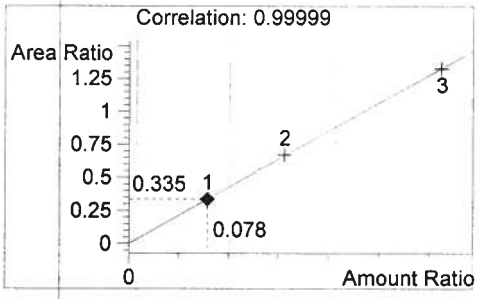
C:\HPCHEM\1\METHODS\SIMALC1.M
1/9/2012 11:50:28 AM
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

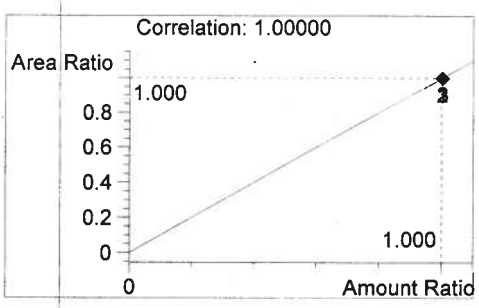
vial # 2



#	Compound	Area	RT
1	Ethanol	925	1.045
2	n-Propanol	2760	1.710
Tot			



Ethanol 0.078 g/100 mL



n-Propanol 1.000 g/100 mL

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20120109
A 2012JAN23

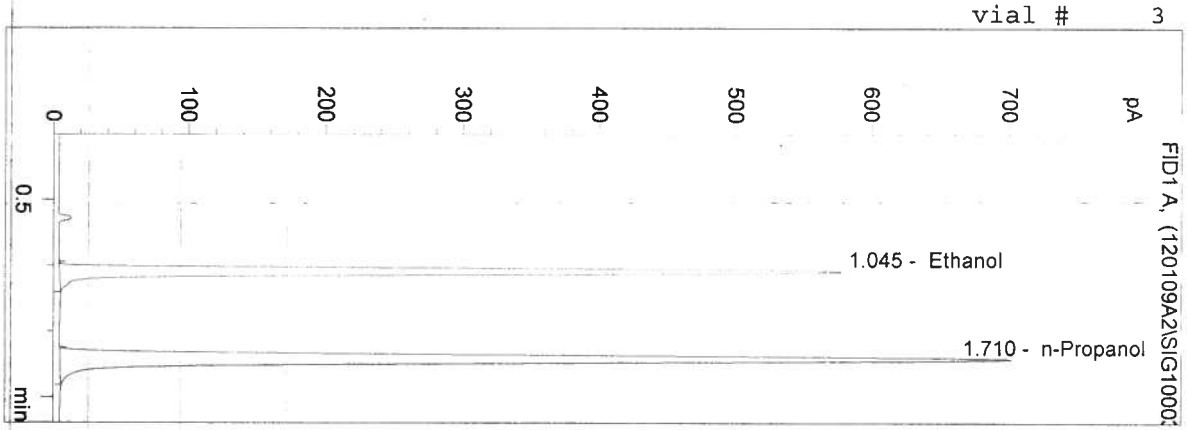
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

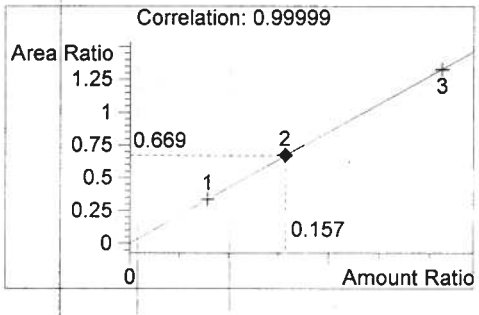
C:\HPCHEM\1\METHODS\SIMALC1.M
1/9/2012 11:53:32 AM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

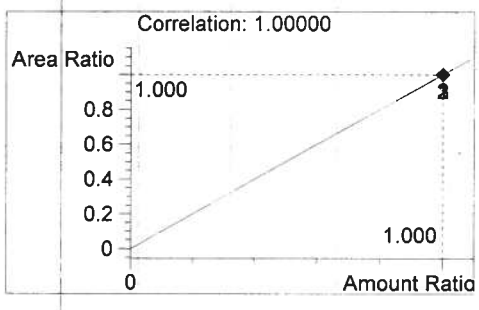
vial # 3



#	Compound	Area	RT
1	Ethanol	1881	1.045
2	n-Propanol	2813	1.710
Tot			



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

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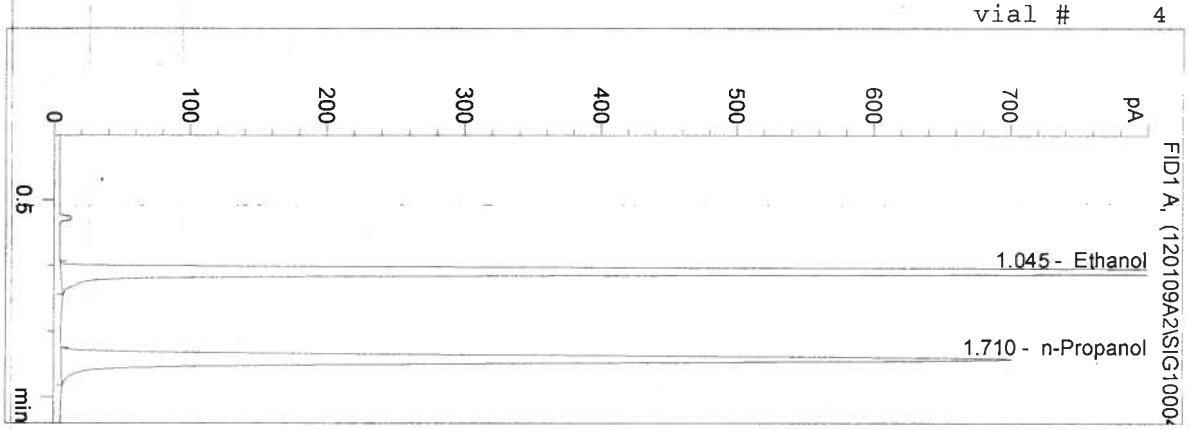
JL 2012 JAN 23
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

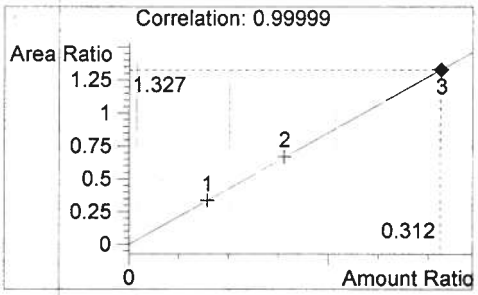
C:\HPCHEM\1\METHODS\SIMALC1.M
1/9/2012 11:56:37 AM
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

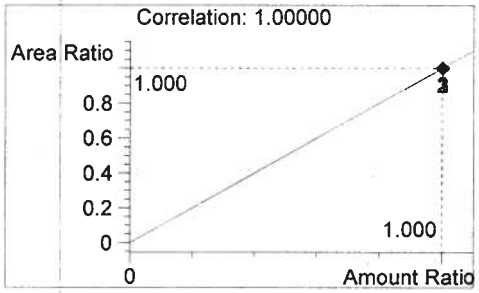
vial # 4



#	Compound	Area	RT
1	Ethanol	3726	1.045
2	n-Propanol	2807	1.710
Tot			



Ethanol 0.312 g/100 mL



n-Propanol 1.000 g/100 mL

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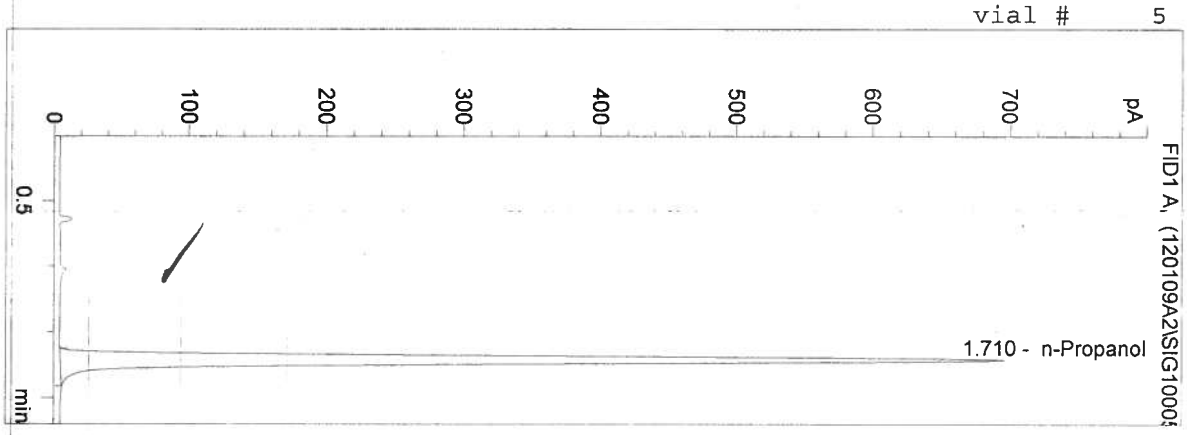
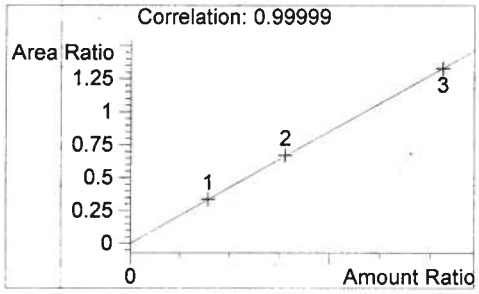
Instrument 1
DB-ALC1

neg control - al
asa louis

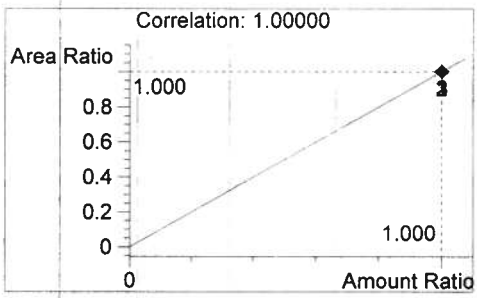
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2794	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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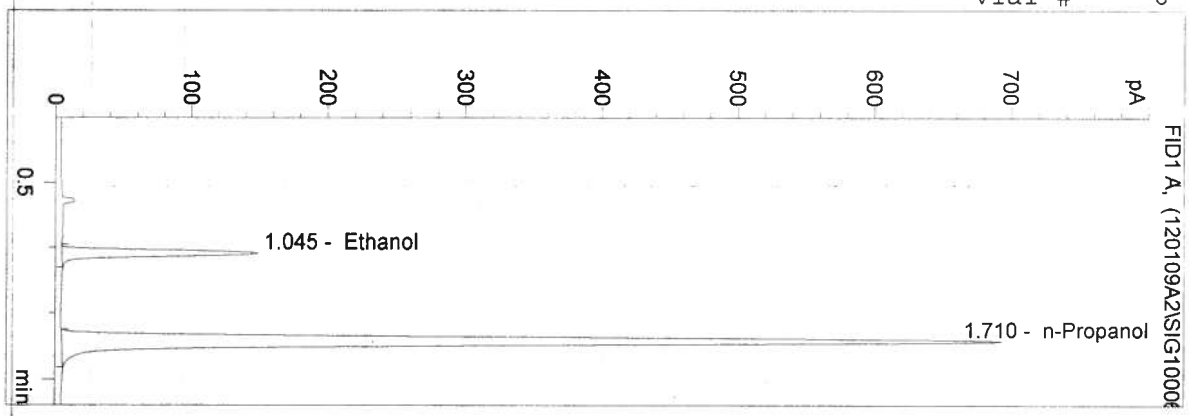
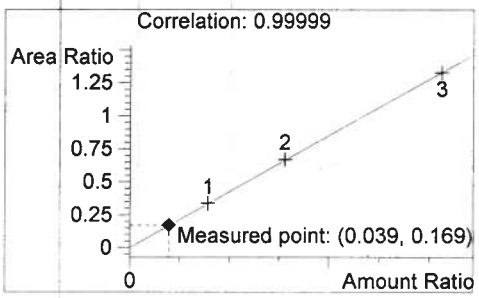
Instrument 1
DB-ALC1

0.04 ctrl al
asa louis

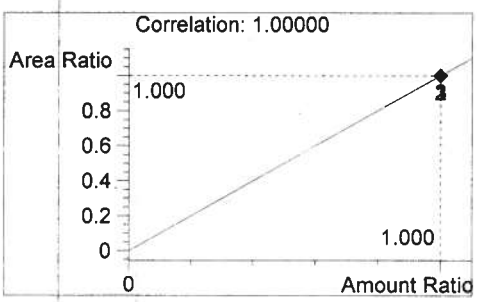
vial # 6



#	Compound	Area	RT
1	Ethanol	470	1.045
2	n-Propanol	2787	1.710
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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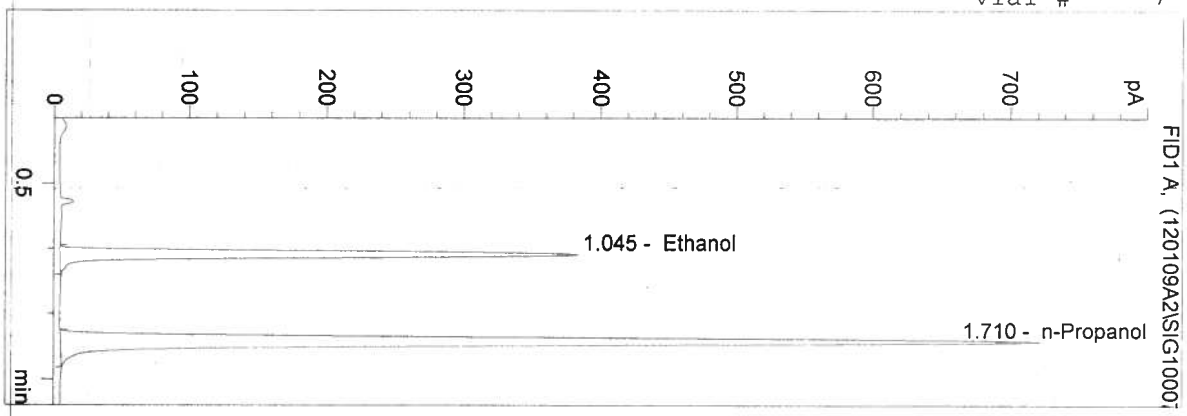
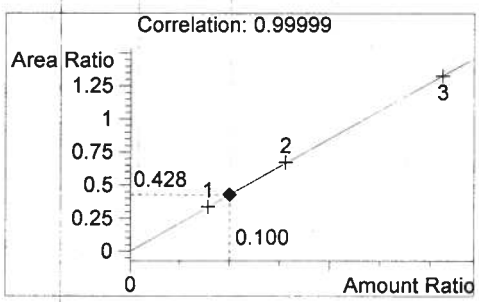
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

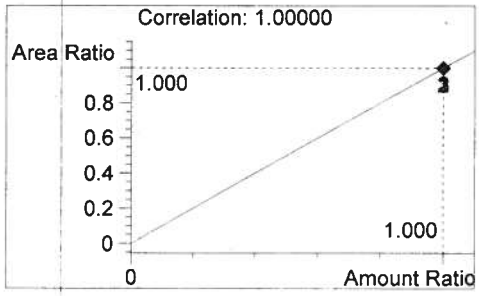
vial # 7



#	Compound	Area	RT
1	Ethanol	1242	1.045
2	n-Propanol	2900	1.710
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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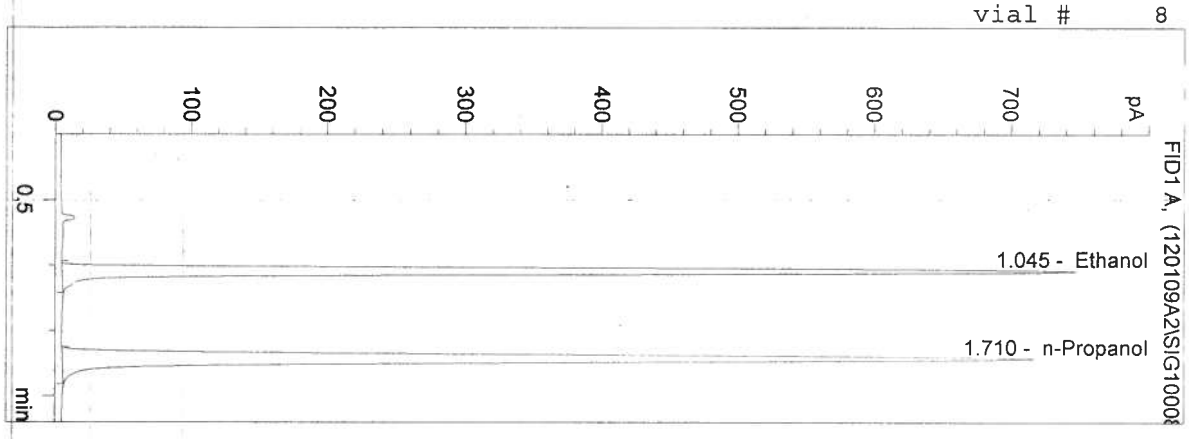
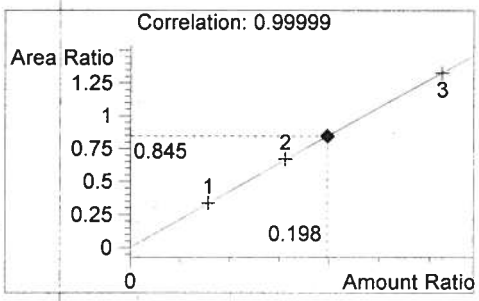
Instrument 1
DB-ALC1

0.20 ctrl al
asa louis

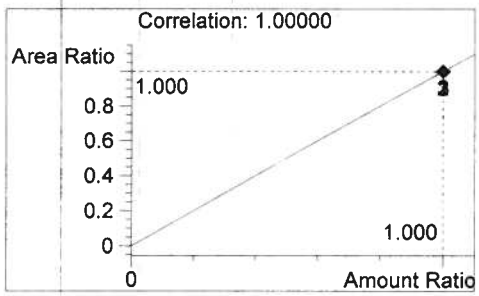
vial # 8



#	Compound	Area	RT
1	Ethanol	2425	1.045
2	n-Propanol	2871	1.710
Tot			



Ethanol 0.198 g/100 mL



n-Propanol 1.000 g/100 mL

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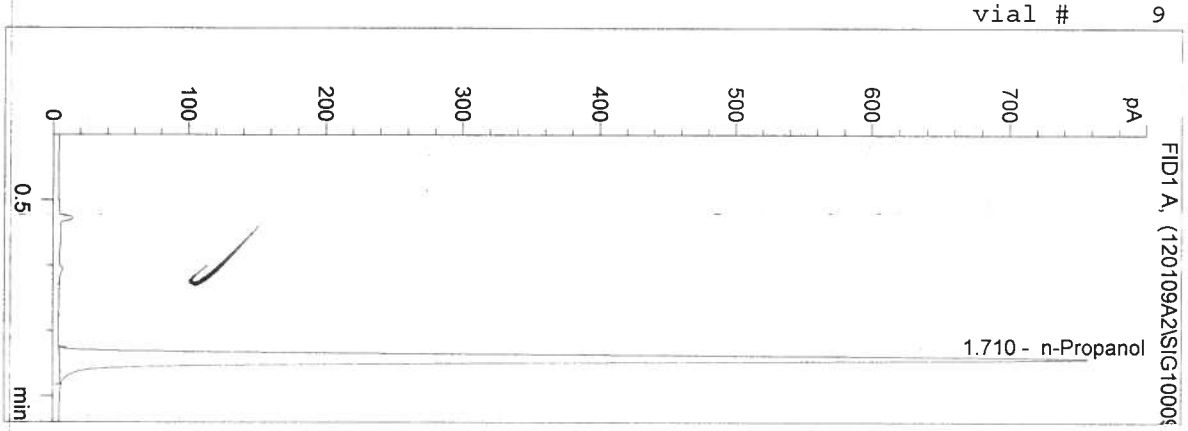
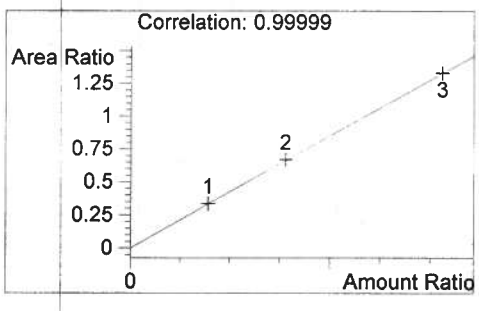
Instrument 1
DB-ALC1

neg control - al
asa louis

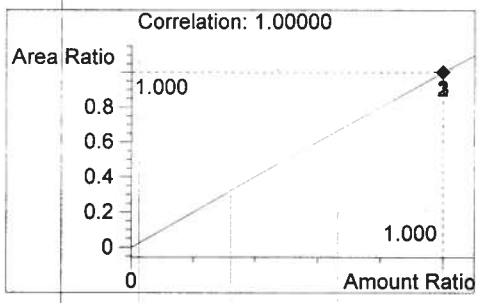
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3041	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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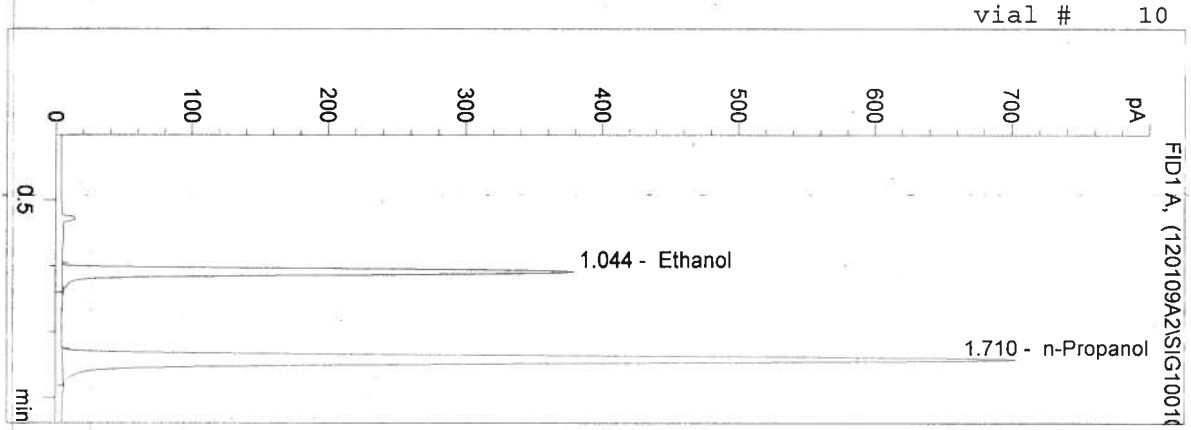
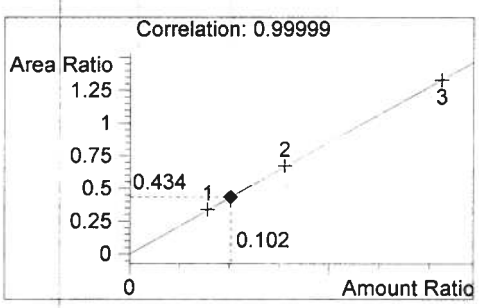
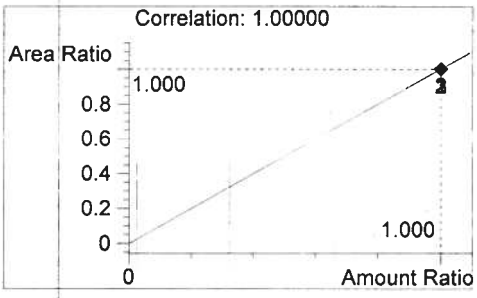
1/9/2012 12:15:05 PM 12005 #1
Instrument 1 asa louis
DB-ALC1
vial # 10



#	Compound	Area	RT
1	Ethanol	1223	1.044
2	n-Propanol	2820	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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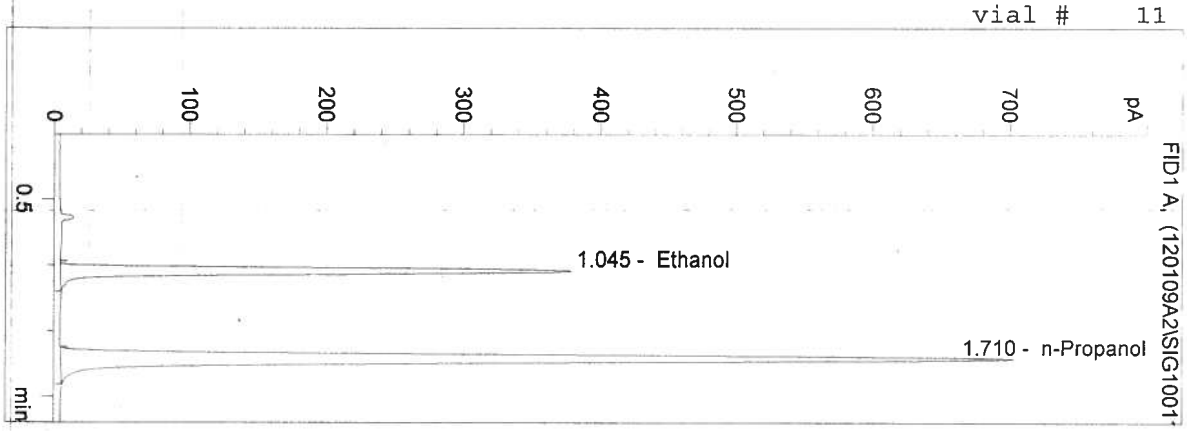
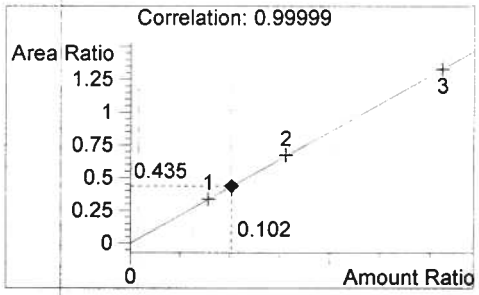
Instrument 1
DB-ALC1

12005 #2
asa louis

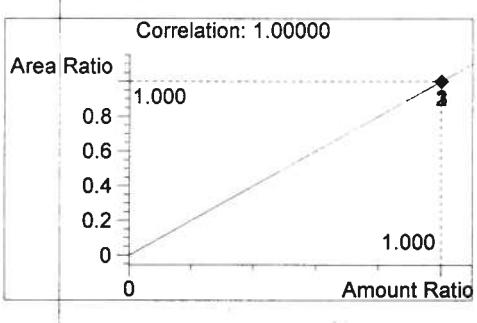
vial # 11



#	Compound	Area	RT
1	Ethanol	1229	1.045
2	n-Propanol	2827	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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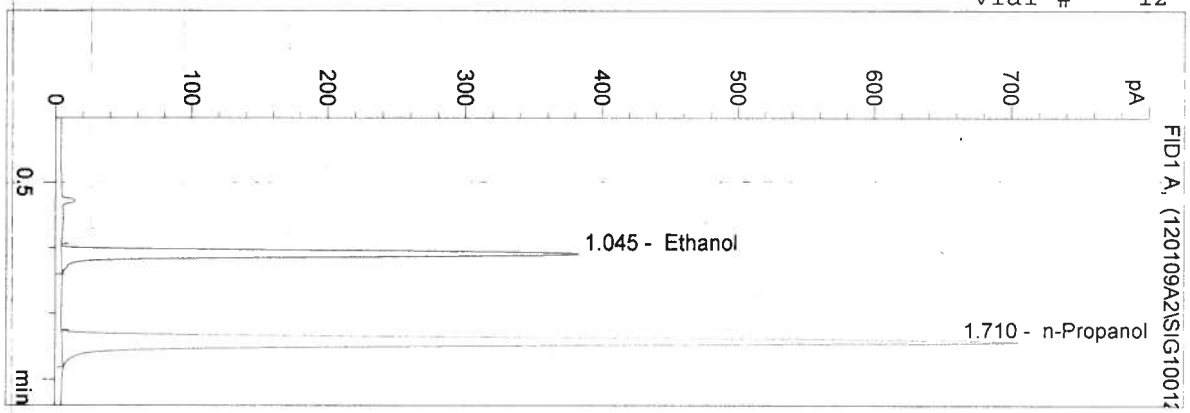
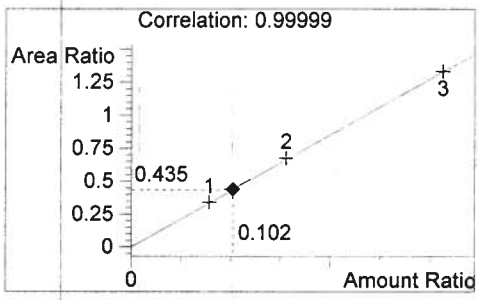
Instrument 1
DB-ALC1

12005 #3
asa louis

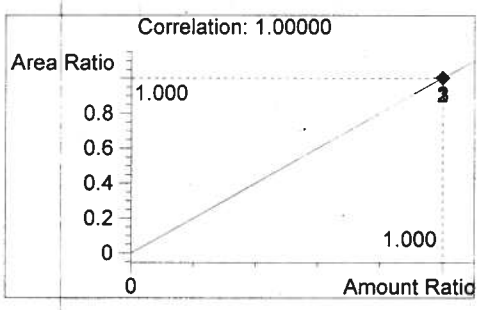
vial # 12



#	Compound	Area	RT
1	Ethanol	1234	1.045
2	n-Propanol	2834	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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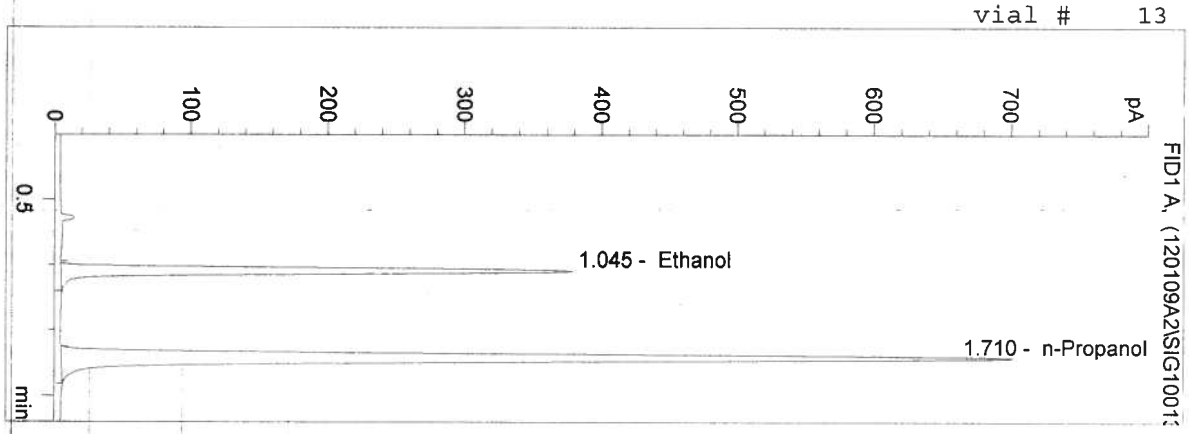
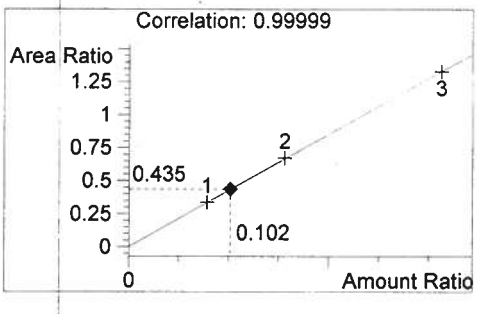
Instrument 1
DB-ALC1

12005 #4
asa louis

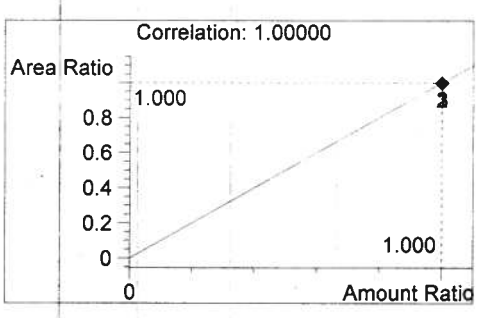
vial # 13



#	Compound	Area	RT
1	Ethanol	1220	1.045
2	n-Propanol	2807	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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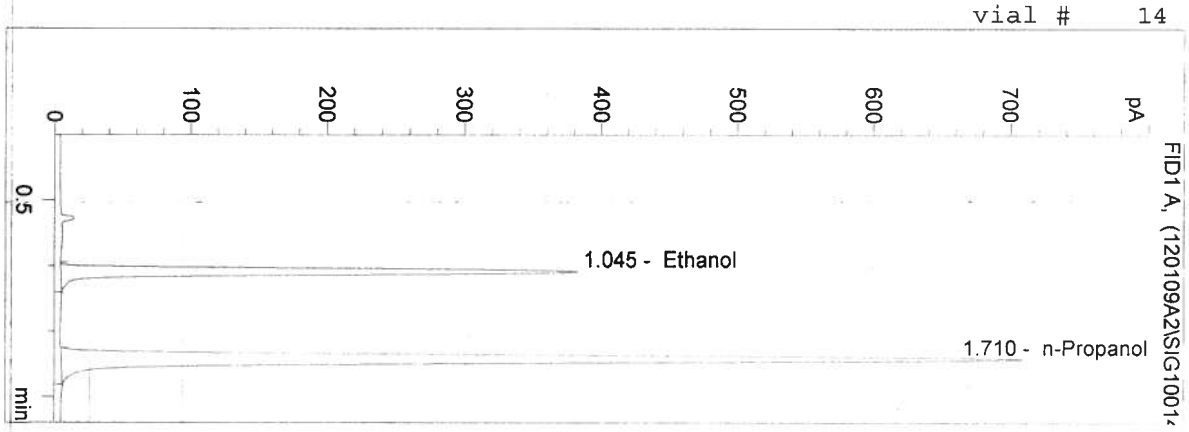
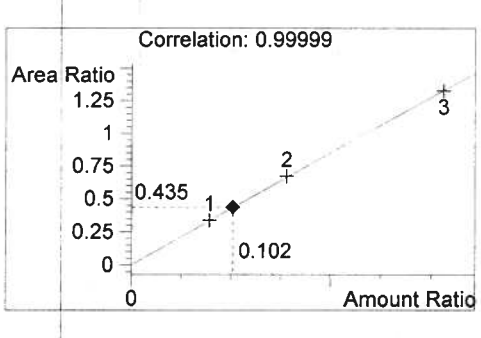
Instrument 1
DB-ALC1

12005 #5
asa louis

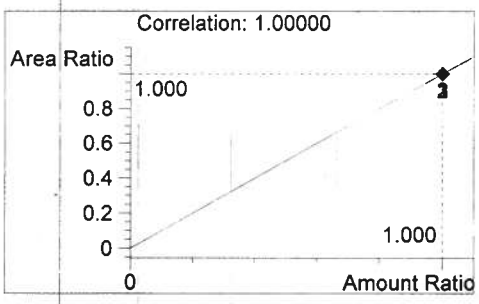
vial # 14



#	Compound	Area	RT
1	Ethanol	1239	1.045
2	n-Propanol	2848	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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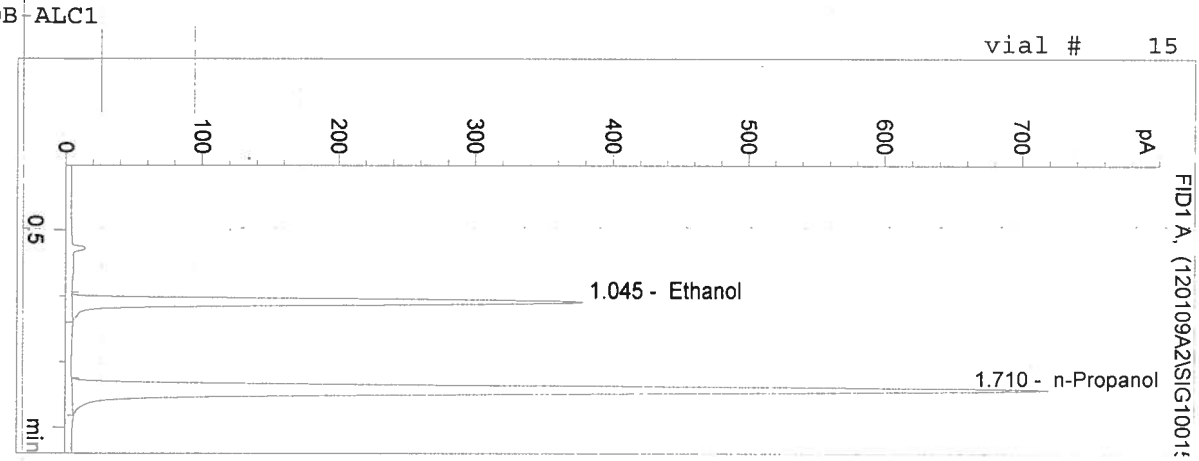
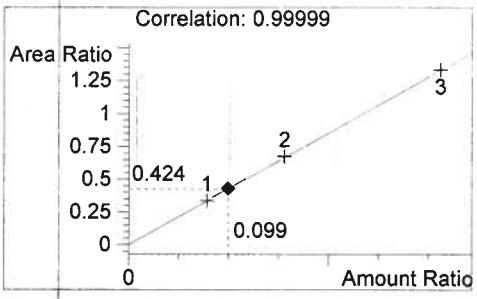
Instrument 1
DB-ALC1

0.10 ctrl al
asa louis

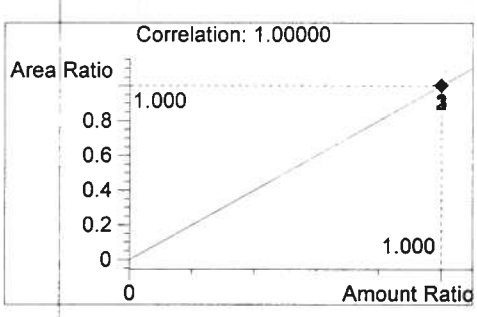
vial # 15



#	Compound	Area	RT
1	Ethanol	1231	1.045
2	n-Propanol	2899	1.710
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

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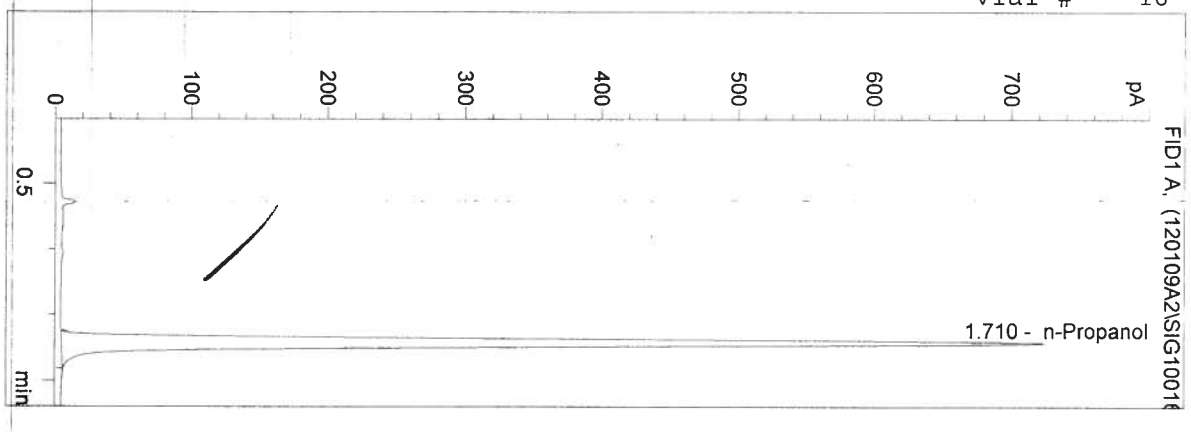
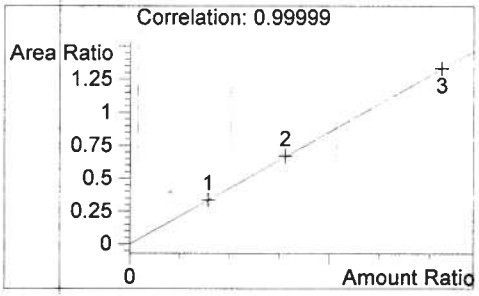
Instrument 1
DB-ALC1

neg control - al
asa louis

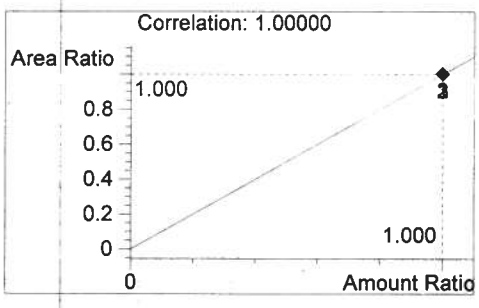
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2910	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120109CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/12
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/12

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
3	Vial 3	Ethanol Calibrator 2, E1111-02 - Exp. 02/10/12
4	Vial 4	Ethanol Calibrator 3, E1111-03 - Exp. 02/10/12
5	Vial 5	
6	Vial 6	0.04 Control - Lot #A077459 - Exp. 02/2015
7	Vial 7	0.10 Control - Lot #A075806 - Exp. 11/2014
8	Vial 8	0.20 Control - Lot #A076521 - Exp. 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

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

Line	Location	Sample Information
15	Vial 15	0.10 Control - Lot #A075806 - Exp. 11/2014
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-CJ	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		
10	Vial 10	ESS 12005 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 12005 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 12005 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 12005 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 12005 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-CJ	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CJ	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

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Calibration Table

Calib. Data Modified : Monday, January 09, 2012 6:43:10 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]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.045	1	1	7.86300e-2	941.80731	8.34884e-5	1		Ethanol
		2	1.55890e-1	1849.66260	8.42802e-5			
		3	3.12180e-1	4215.42480	7.40566e-5			
1.710	1	1	1.00000	2818.38745	3.54813e-4	I1		n-Propanol
		2	1.00000	2785.49390	3.59003e-4			
		3	1.00000	3147.53491	3.17709e-4			

Peak Sum Table

No Entries in table

CJ

12005

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Calibration Curves

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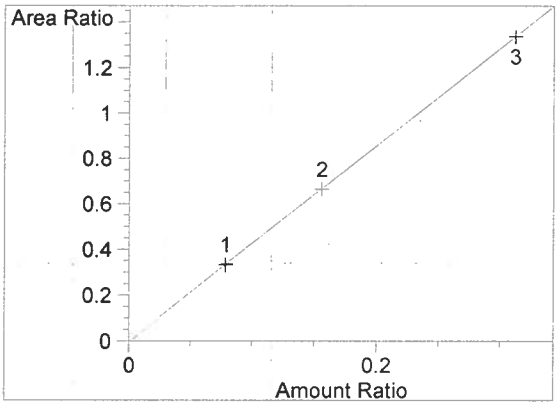
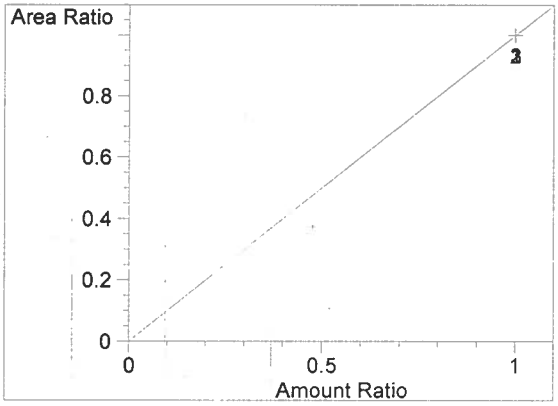


Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00289
Formula: y = mx + b
m: 4.29182
b: -2.21514e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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CJ

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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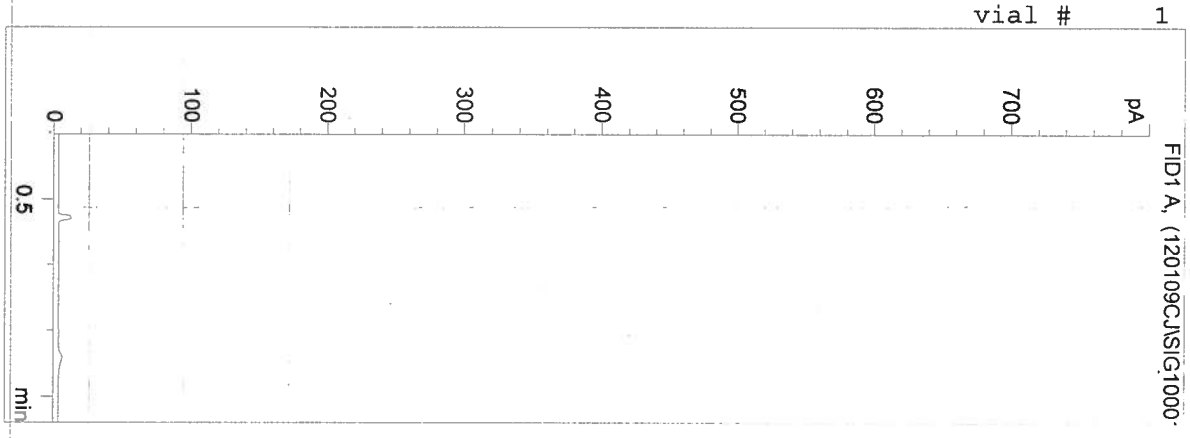
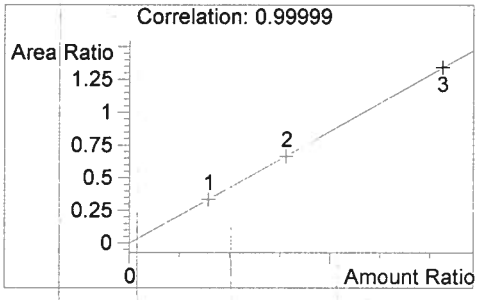
1/9/2012 6:31:42 PM
Instrument 1
DB-ALC1

BLANK-CJ
Chris Johnston

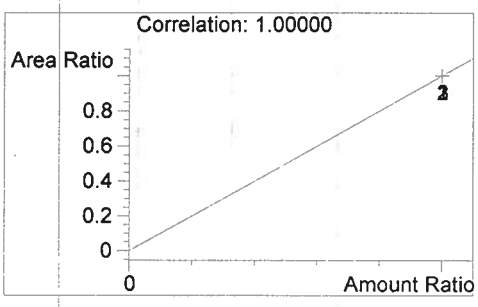
vial # 1



#	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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12005

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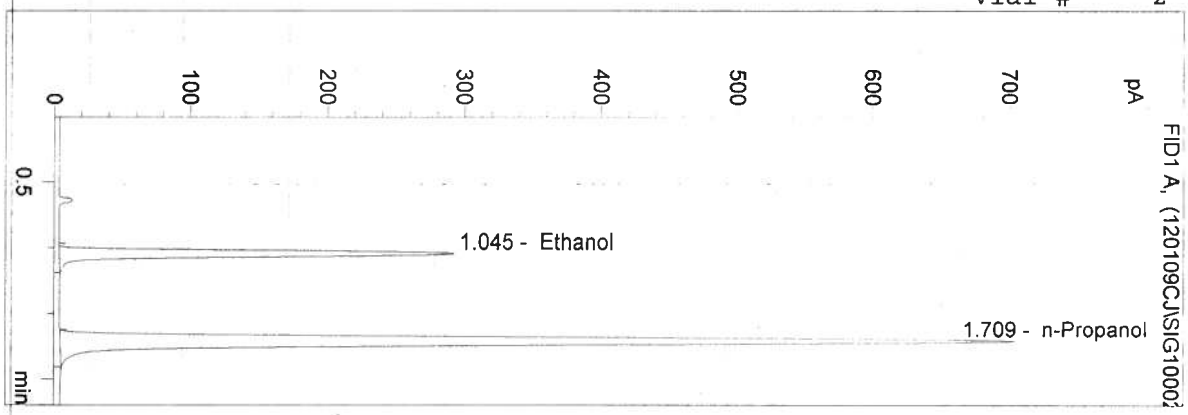
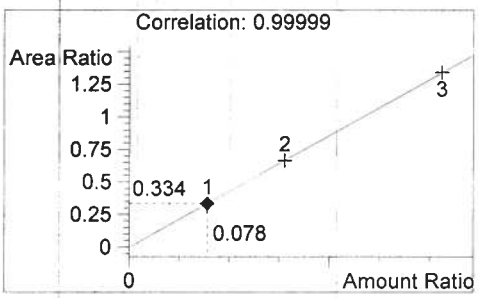
Instrument 1
DB-ALC1

0.079 CAL 1
Chris Johnston

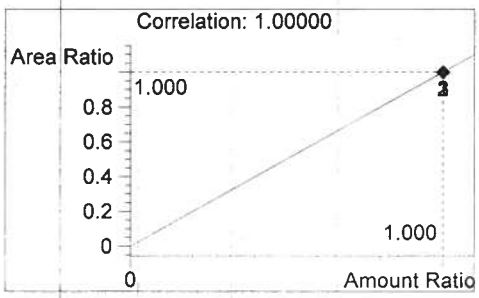
vial # 2



#	Compound	Area	RT
1	Ethanol	942	1.045
2	n-Propanol	2818	1.709
Tot			



Ethanol 0.078 g/100 mL



n-Propanol 1.000 g/100 mL

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12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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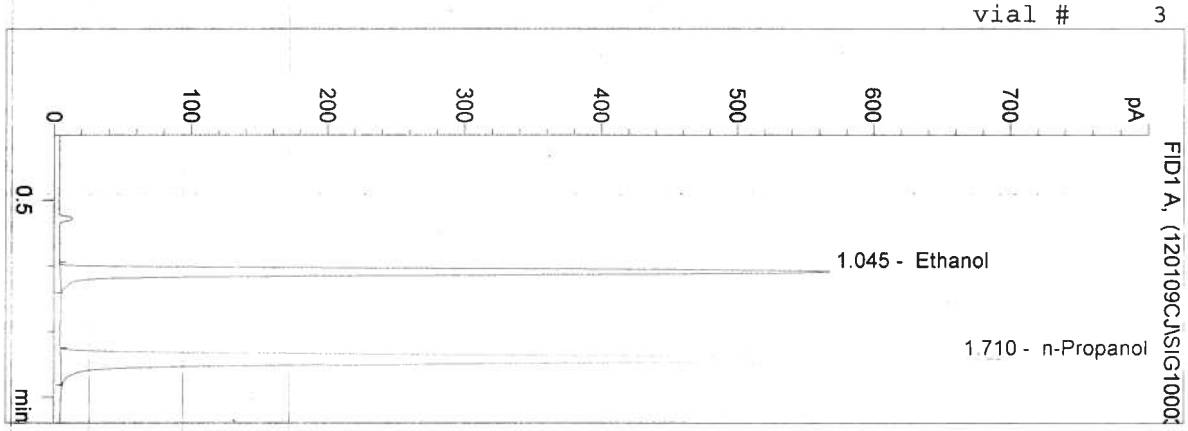
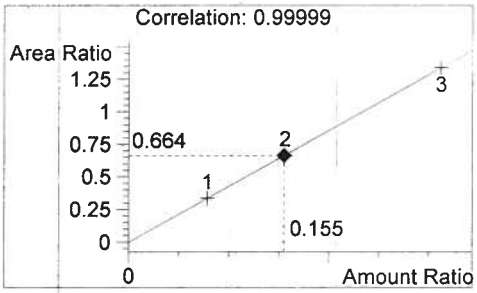
Instrument 1
DB-ALC1

0.158 CAL 2
Chris Johnston

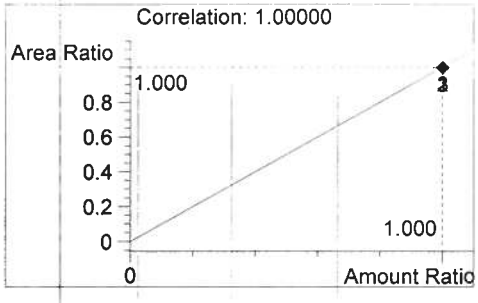
vial # 3



#	Compound	Area	RT
1	Ethanol	1850	1.045
2	n-Propanol	2785	1.710
Tot			



Ethanol 0.155 g/100 mL



n-Propanol 1.000 g/100 mL

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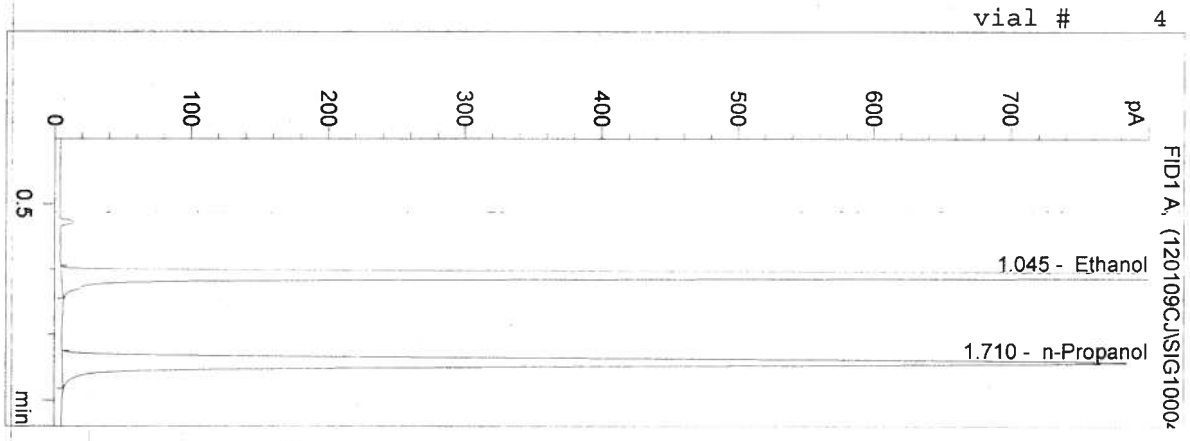
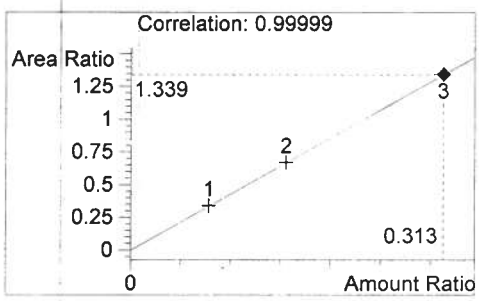
Instrument 1
DB-ALC1

0.316 CAL 3
Chris Johnston

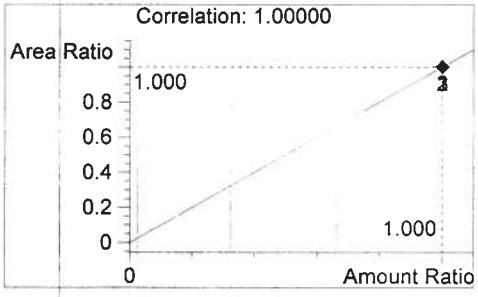
vial # 4



#	Compound	Area	RT
1	Ethanol	4215	1.045
2	n-Propanol	3148	1.710
Tot			



Ethanol 0.313 g/100 mL



n-Propanol 1.000 g/100 mL

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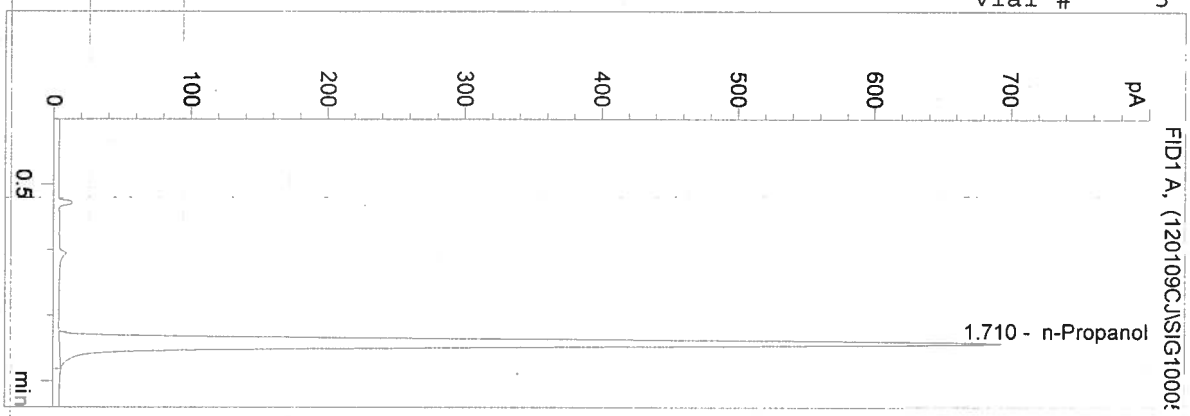
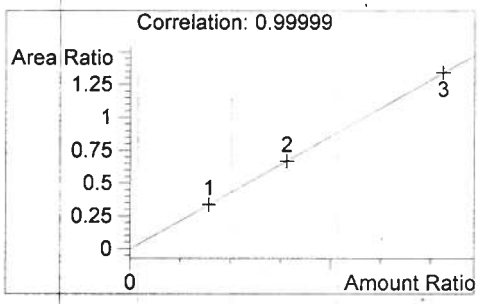
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

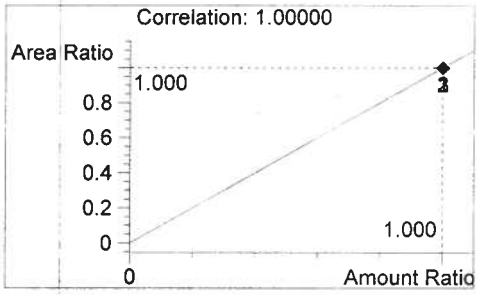
vial # 5



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

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Instrument 1
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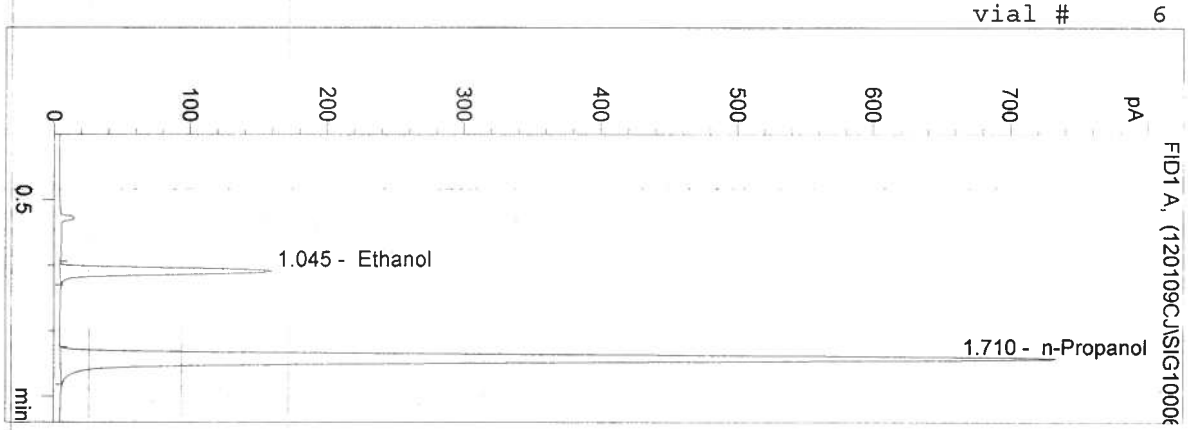
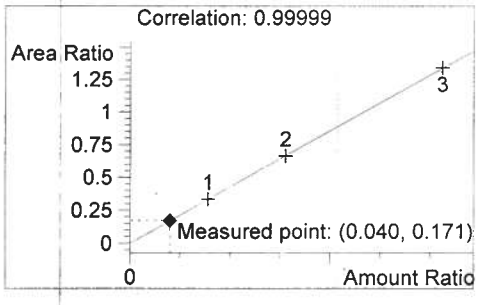
0.04 CTRL-CJ
Chris Johnston

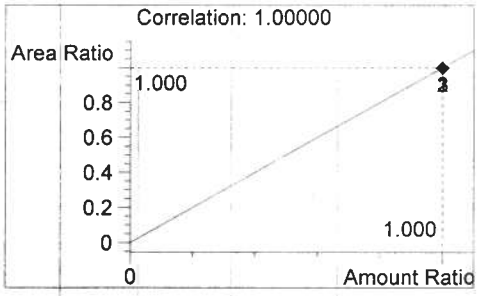
vial # 6



#	Compound	Area	RT
1	Ethanol	504	1.045
2	n-Propanol	2950	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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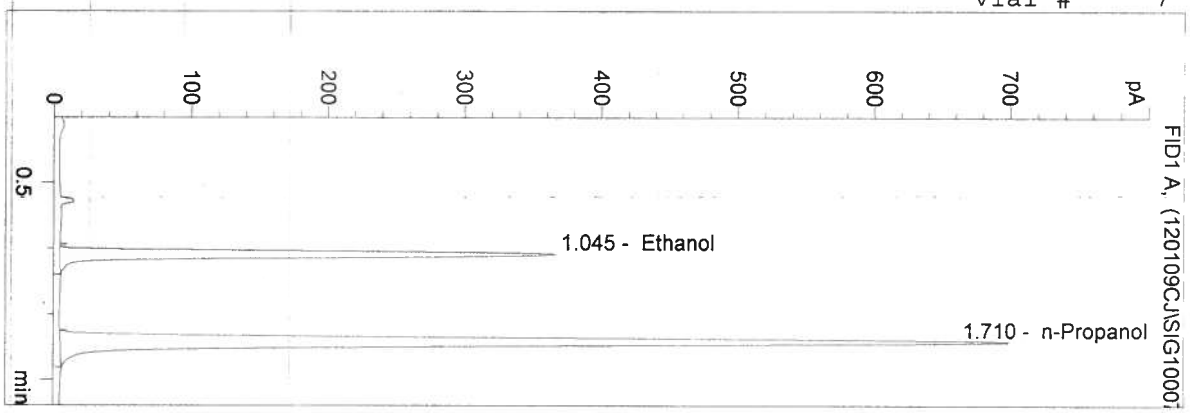
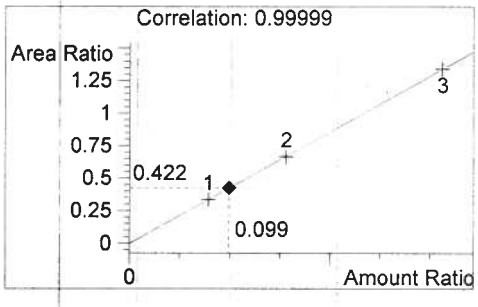
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

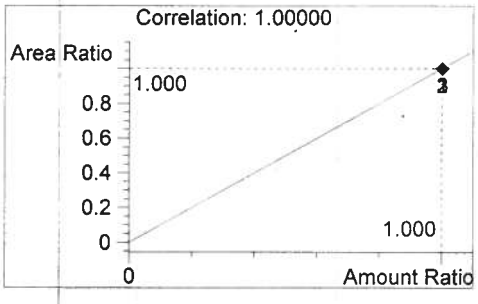
vial # 7



#	Compound	Area	RT
1	Ethanol	1185	1.045
2	n-Propanol	2806	1.710
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

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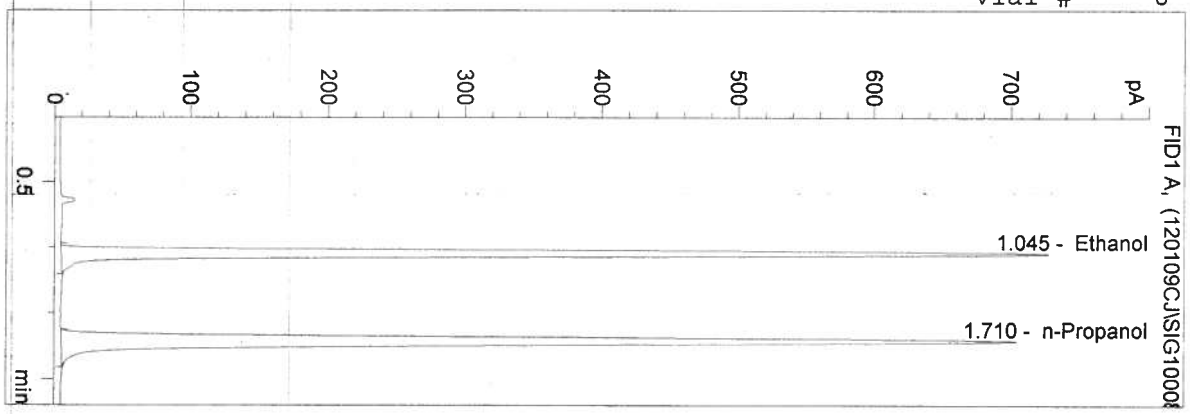
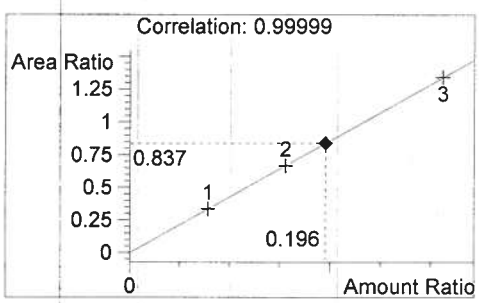
Instrument 1
DB-ALC1

0.20 CTRL-CJ
Chris Johnston

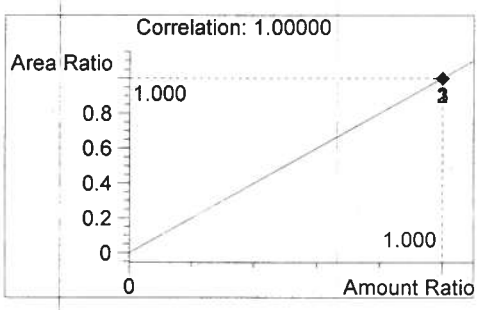
vial # 8



#	Compound	Area	RT
1	Ethanol	2368	1.045
2	n-Propanol	2829	1.710
Tot			



Ethanol 0.196 g/100 mL



n-Propanol 1.000 g/100 mL

W

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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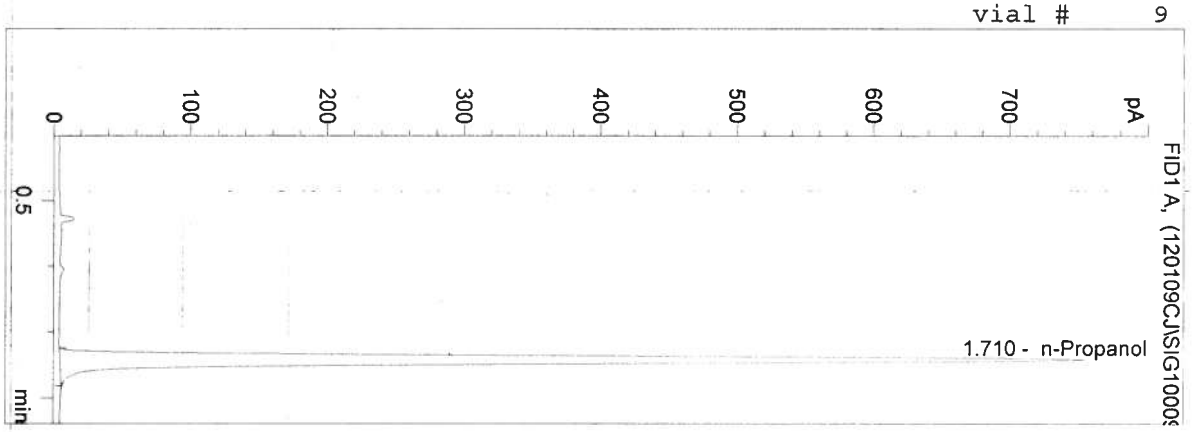
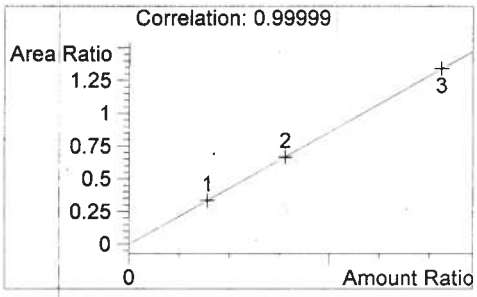
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

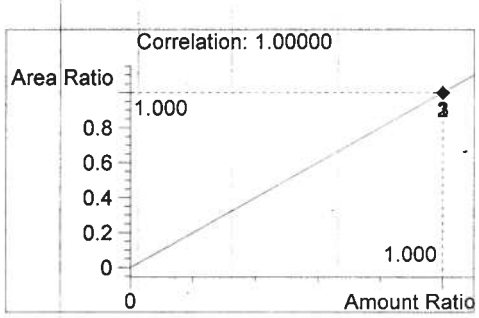
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3029	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

W

1 2005

WASHINGTON STATE TOXICOLOGY LABORATORY

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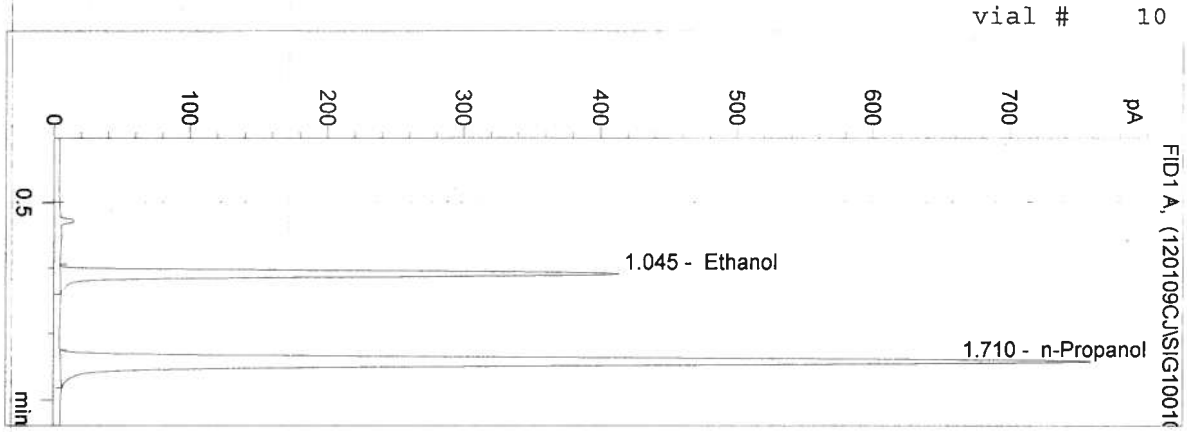
Instrument 1
DB-ALC1

ESS 12005 #1
Chris Johnston

vial # 10



#	Compound	Area	RT
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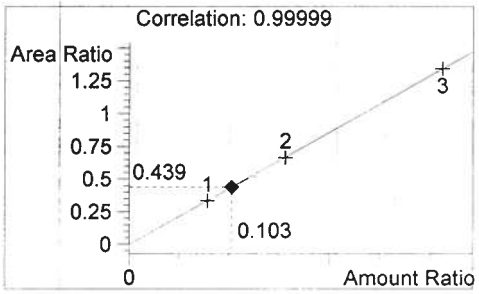
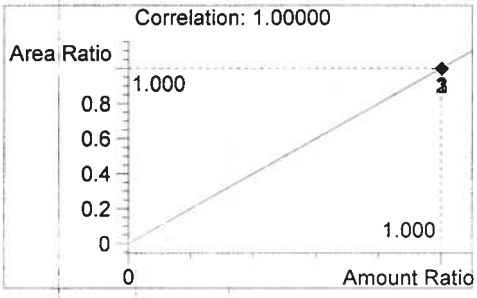
2	n-Propanol	3049	1.710
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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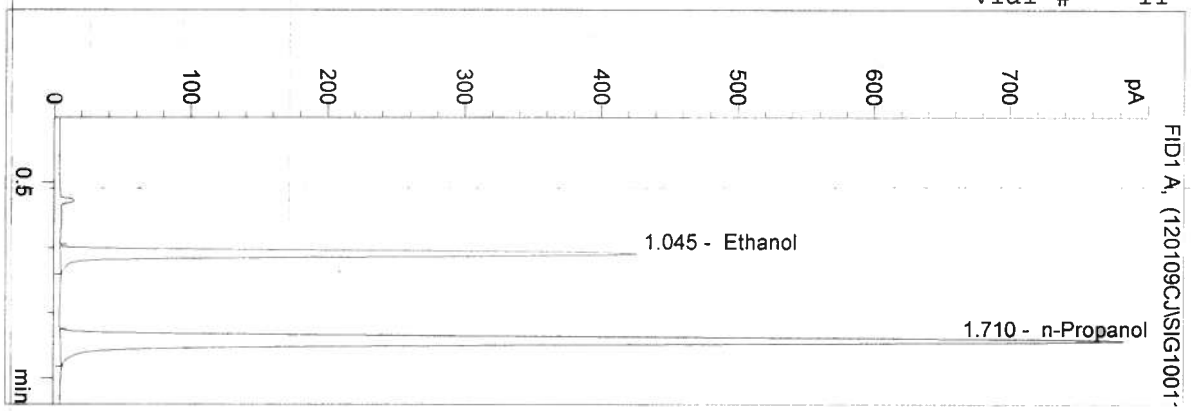
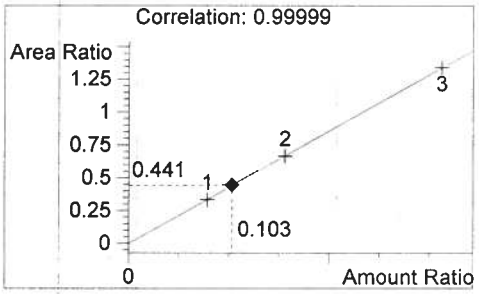
Instrument 1
DB-ALC1

ESS 12005 #2
Chris Johnston

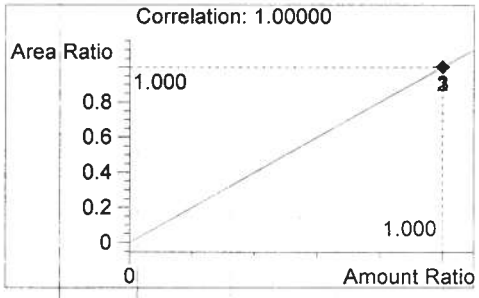
vial # 11



#	Compound	Area	RT
1	Ethanol	1388	1.045
2	n-Propanol	3150	1.710
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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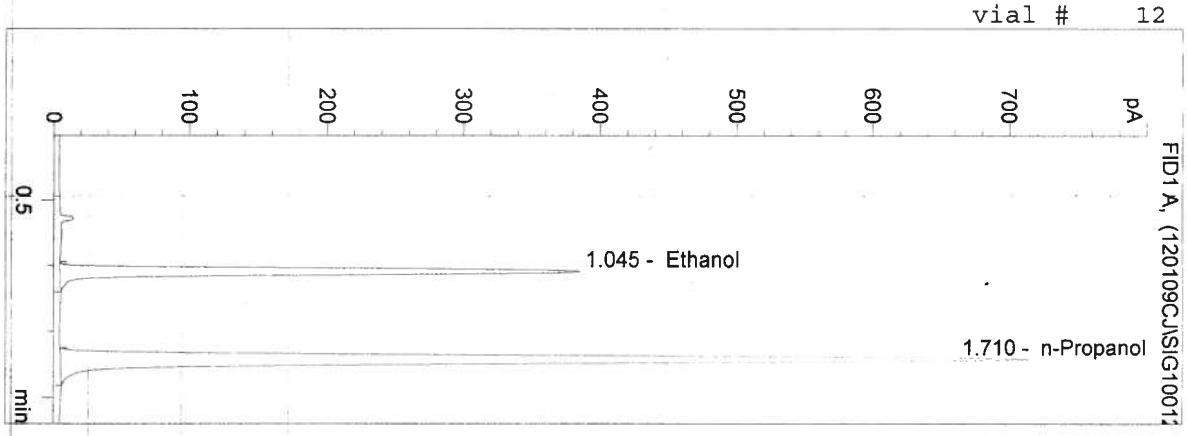
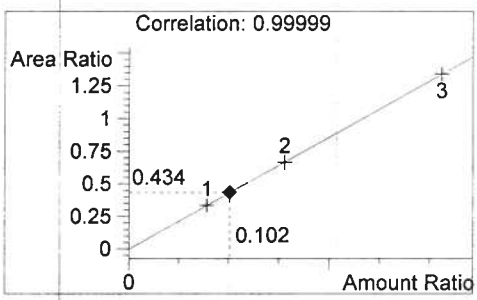
Instrument 1
DB-ALC1

ESS 12005 #3
Chris Johnston

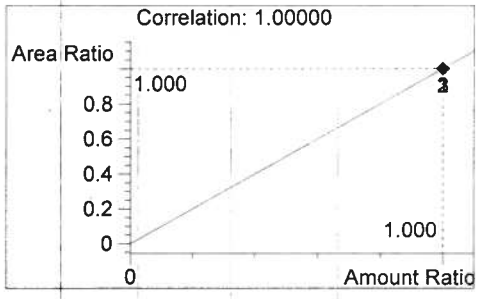
vial # 12



#	Compound	Area	RT
1	Ethanol	1246	1.045
2	n-Propanol	2874	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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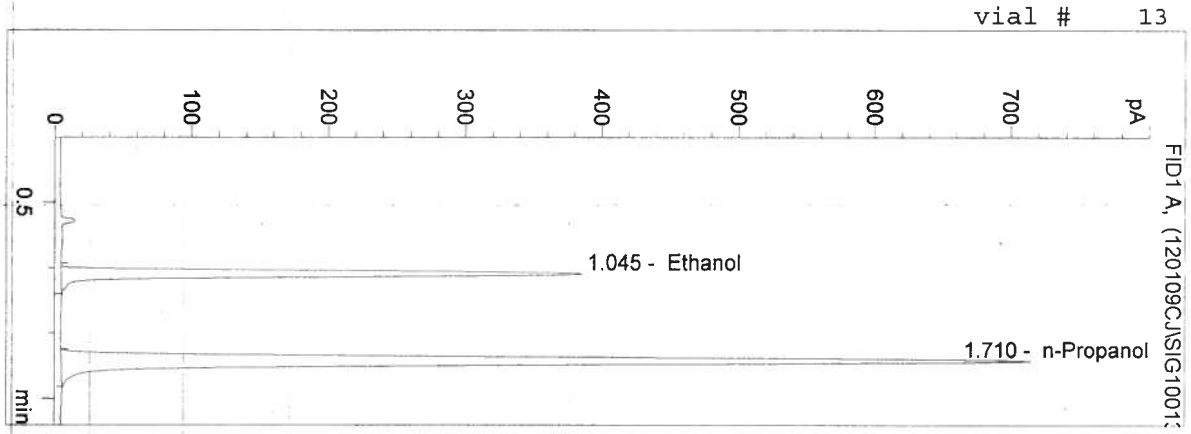
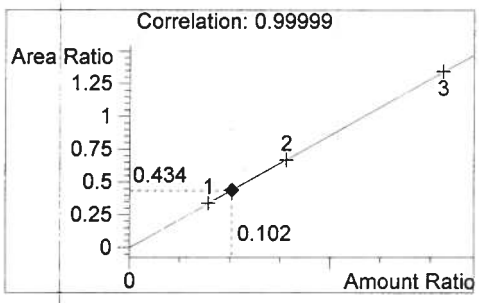
Instrument 1
DB-ALC1

ESS 12005 #4
Chris Johnston

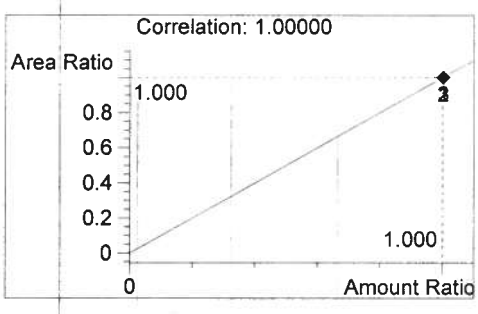
vial # 13



#	Compound	Area	RT
1	Ethanol	1246	1.045
2	n-Propanol	2868	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

a/

WASHINGTON STATE TOXICOLOGY LABORATORY

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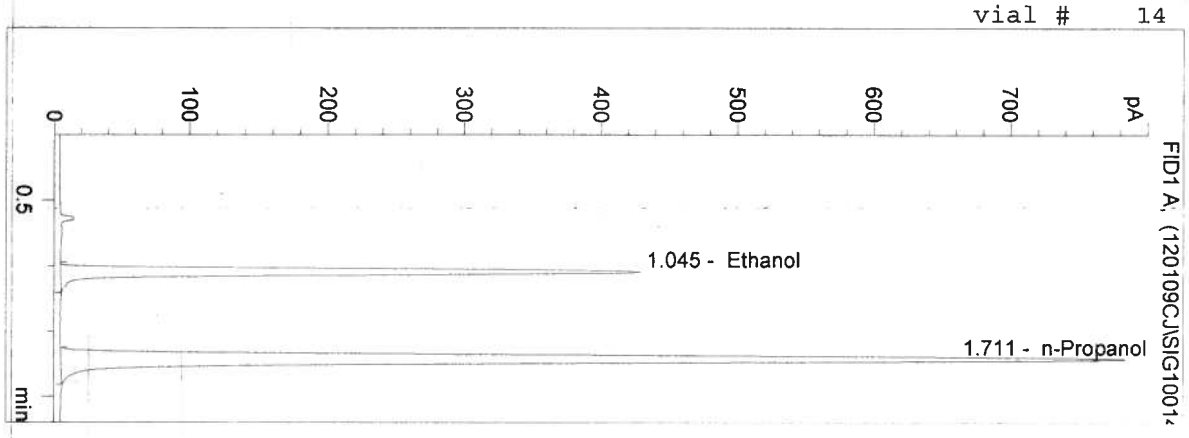
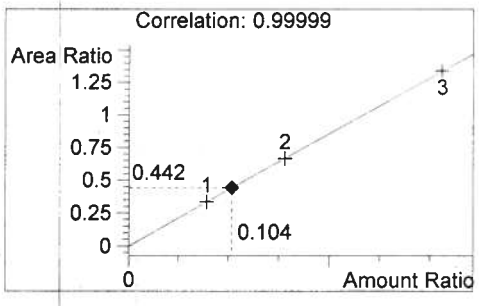
Instrument 1
DB-ALC1

ESS 12005 #5
Chris Johnston

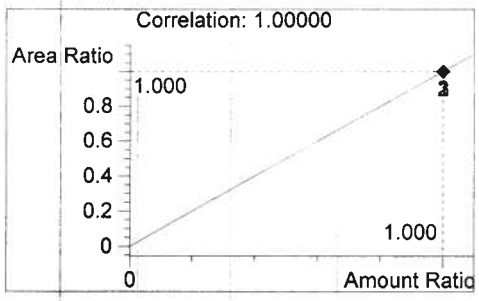
vial # 14



#	Compound	Area	RT
1	Ethanol	1396	1.045
2	n-Propanol	3157	1.711
Tot			



Ethanol 0.104 g/100 mL



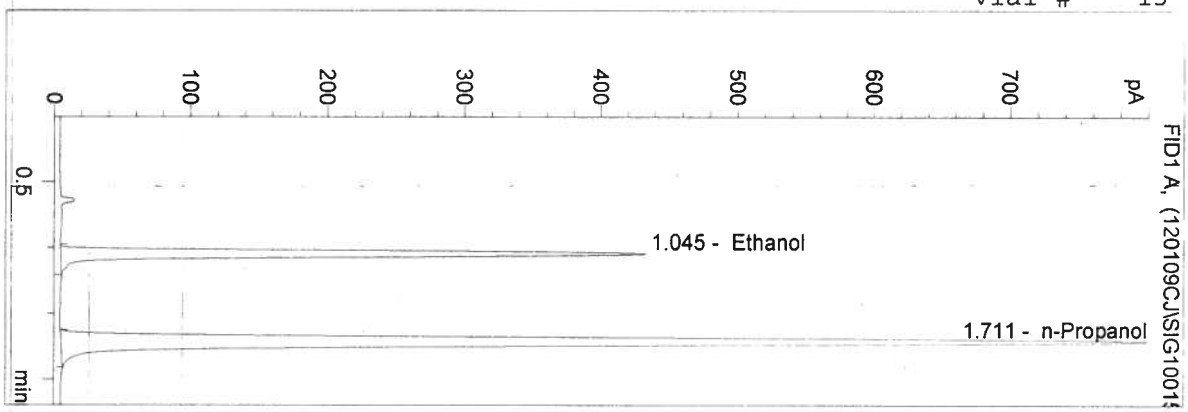
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

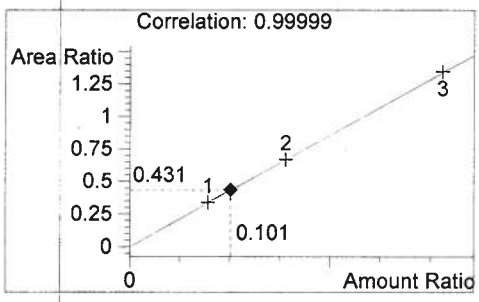
C:\HPCHEM\1\METHODS\SIMALC1.M
1/9/2012 7:14:49 PM
Instrument 1
DB-ALC1

0.10 CTRL-CJ
Chris Johnston

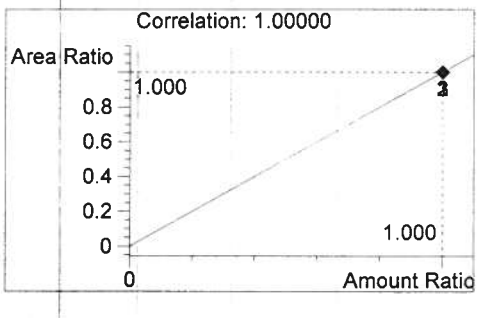
vial # 15



#	Compound	Area	RT
1	Ethanol	1414	1.045
2	n-Propanol	3278	1.711
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

W

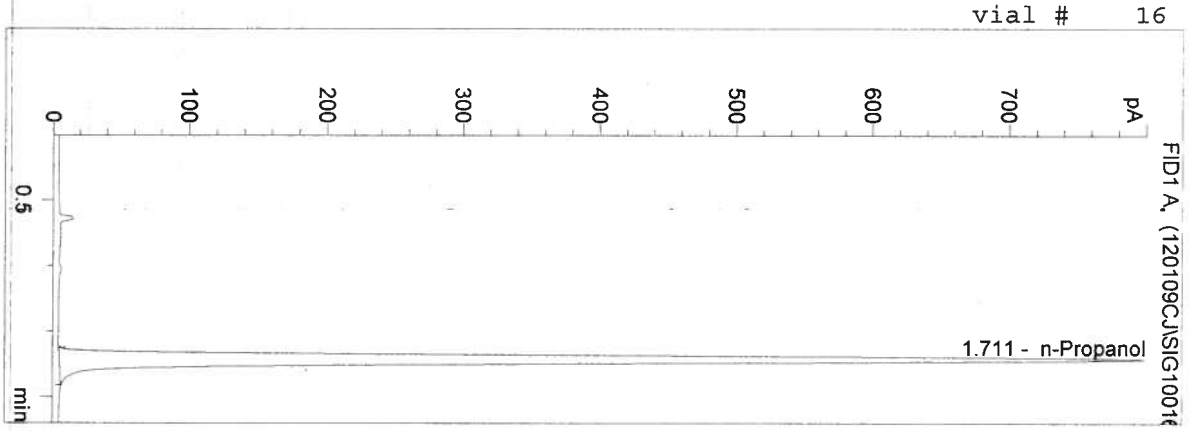
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

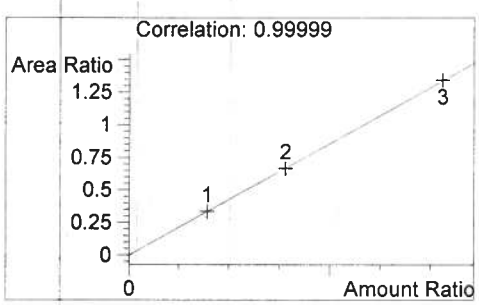
C:\HPCHEM\1\METHODS\SIMALC1.M
1/9/2012 7:17:53 PM
Instrument 1
DB-ALC1

NEG CTRL-CJ
Chris Johnston

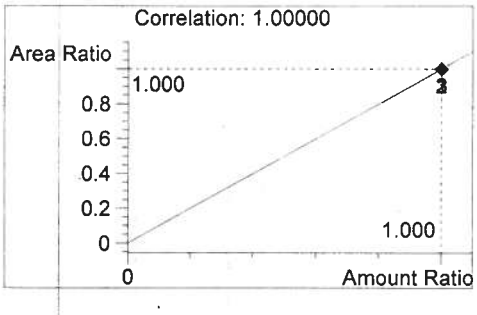
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3216	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

Sequence Parameters:

Operator:	Christie Mitchell Mata
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120110CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control Lot#A077459 exp 02/2015
0.10 Control Lot#A075806 exp 11/2014
0.20 Control Lot#A076521 exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E1111-01
3	Vial 3	Lot#E1111-02
4	Vial 4	Lot#E1111-03
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	

12005

CM

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

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - CM	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
10	Vial 10	12005 #1	SIMALC1	1	Sample		
11	Vial 11	12005 #2	SIMALC1	1	Sample		
12	Vial 12	12005 #3	SIMALC1	1	Sample		
13	Vial 13	12005 #4	SIMALC1	1	Sample		
14	Vial 14	12005 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

12005

CM

Calibration Table

Calib. Data Modified : Tuesday, January 10, 2012 9:19:19 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.045	1	1	7.86300e-2	1005.44843	7.82039e-5	1		Ethanol
		2	1.55890e-1	1856.90015	8.39517e-5			
		3	3.12180e-1	3701.88794	8.43299e-5			
1.709	1	1	1.00000	2964.16211	3.37363e-4	I1		n-Propanol
		2	1.00000	2798.25610	3.57365e-4			
		3	1.00000	2810.31567	3.55832e-4			

Peak Sum Table

No Entries in table

12005

CM

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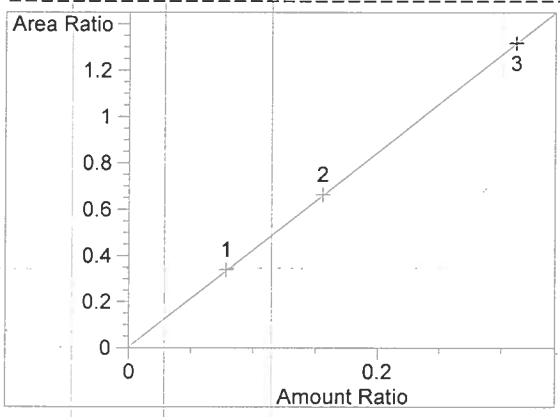
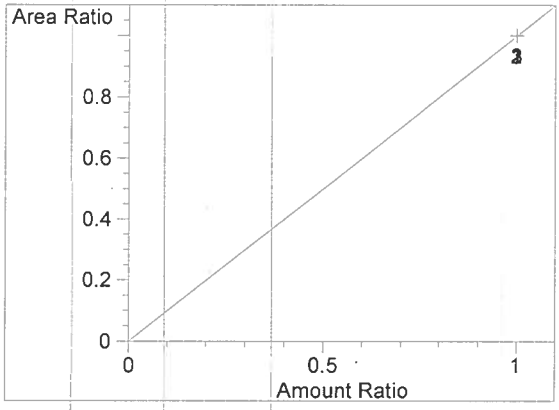
Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00464
Formula: y = mx + b
m: 4.21352
b: 4.12731e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.709
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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12005

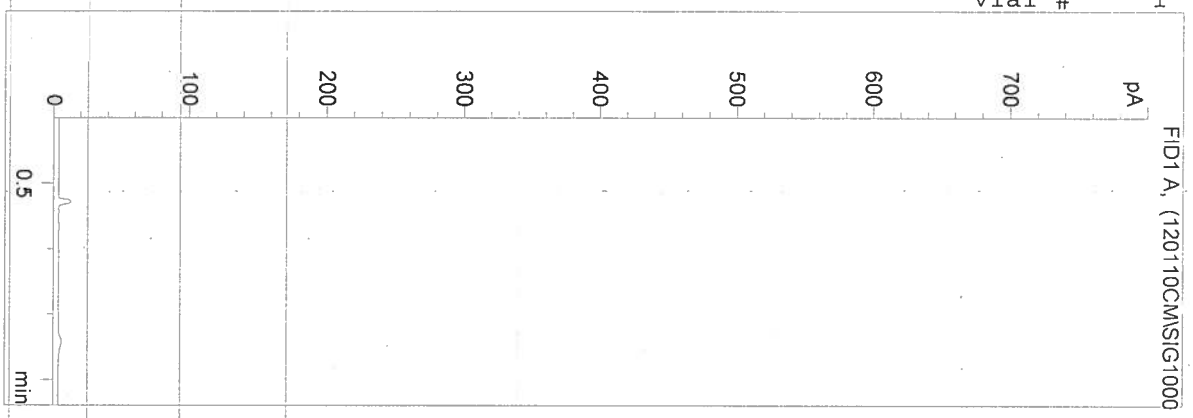
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

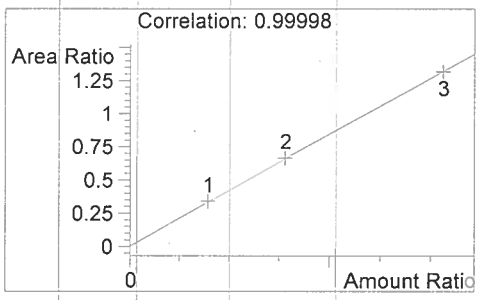
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:07:51 AM
Instrument 1
DB-ALC1

BLANK
Christie Mitchell Mata

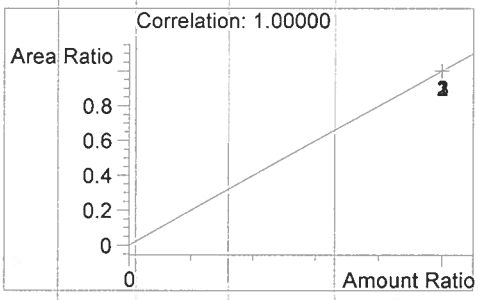
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12005

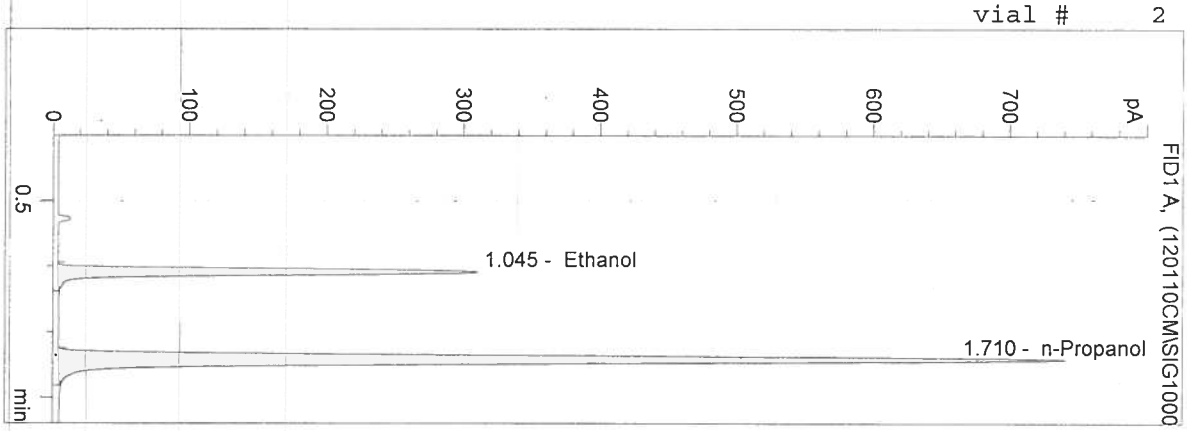
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

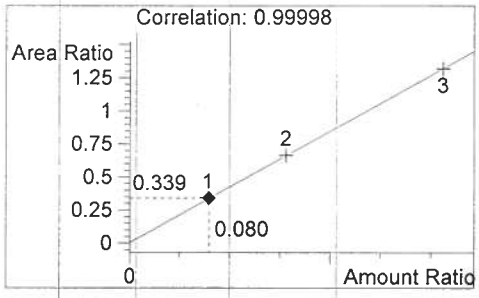
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:10:56 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Christie Mitchell Mata

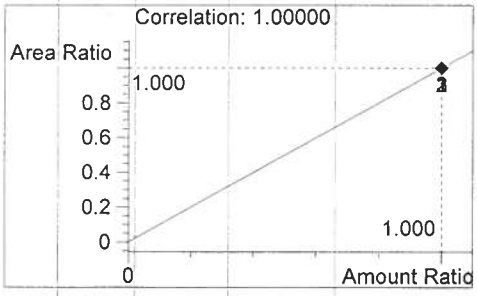
vial # 2



#	Compound	Area	RT
1	Ethanol	1005	1.045
2	n-Propanol	2964	1.710
Tot			



Ethanol 0.080 g/100 mL



n-Propanol 1.000 g/100 mL

12005

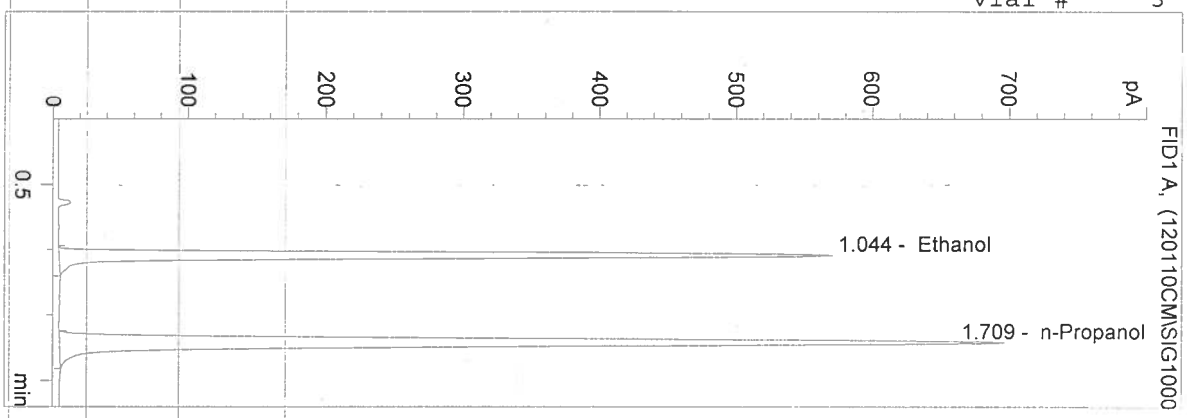
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

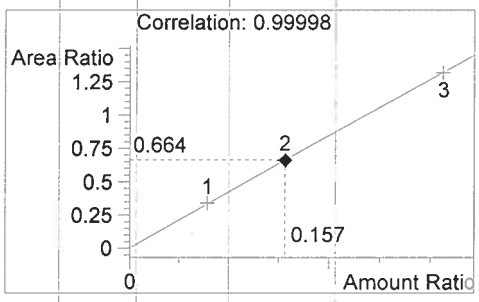
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:14:01 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Christie Mitchell Mata

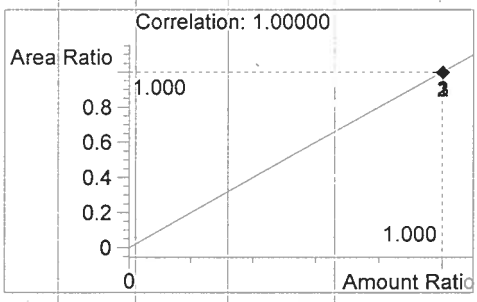
vial # 3



#	Compound	Area	RT
1	Ethanol	1857	1.044
2	n-Propanol	2798	1.709
Tot			



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

12005

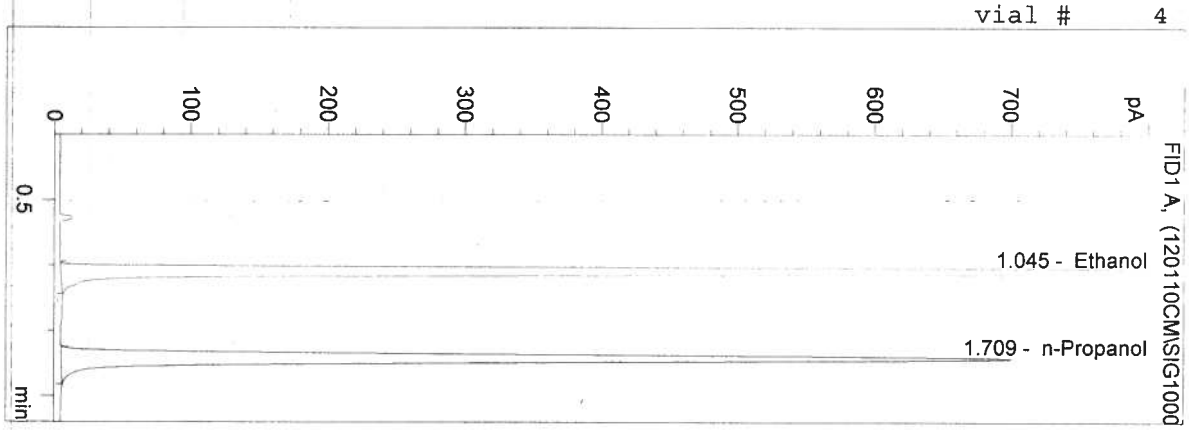
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

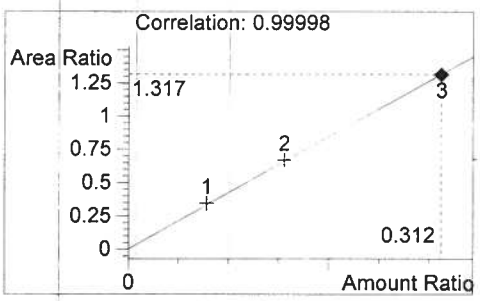
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:17:05 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Christie Mitchell Mata

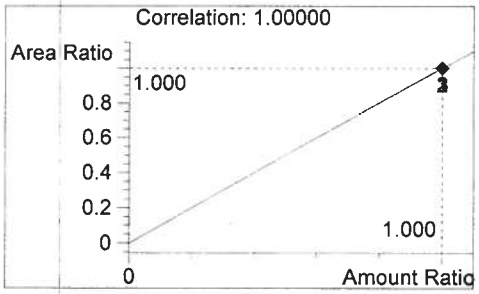
vial # 4



#	Compound	Area	RT
1	Ethanol	3702	1.045
2	n-Propanol	2810	1.709
Tot			



Ethanol 0.312 g/100 mL



n-Propanol 1.000 g/100 mL

12005

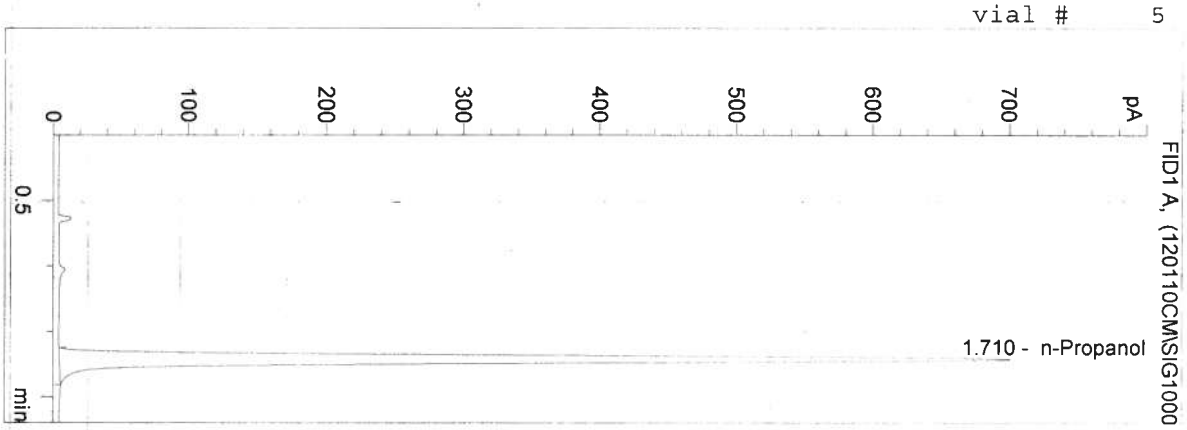
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

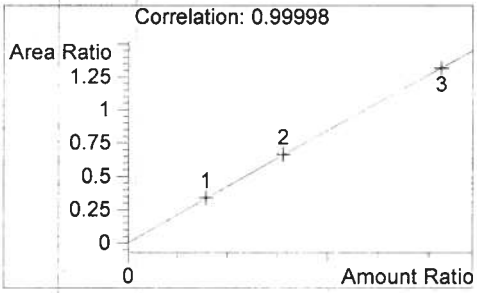
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:20:10 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell Mata

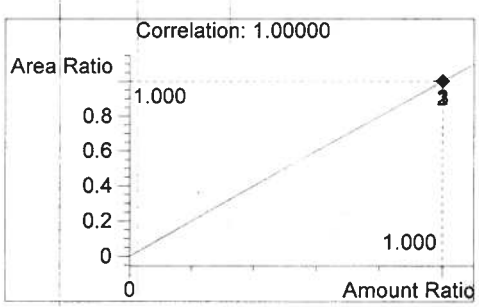
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2819	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

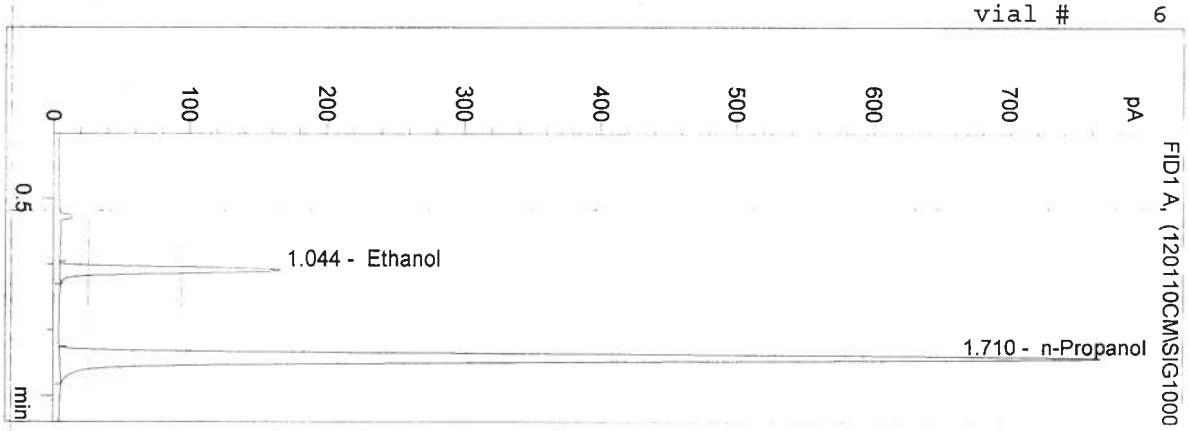
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

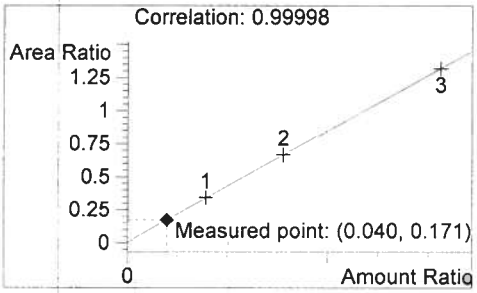
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:23:15 AM
Instrument 1
DB-ALC1

0.04 CTRL - CM
Christie Mitchell Mata

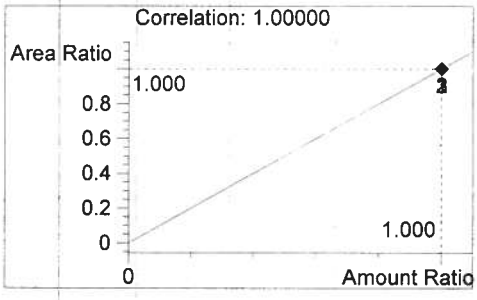
vial # 6



#	Compound	Area	RT
1	Ethanol	527	1.044
2	n-Propanol	3080	1.710
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12005

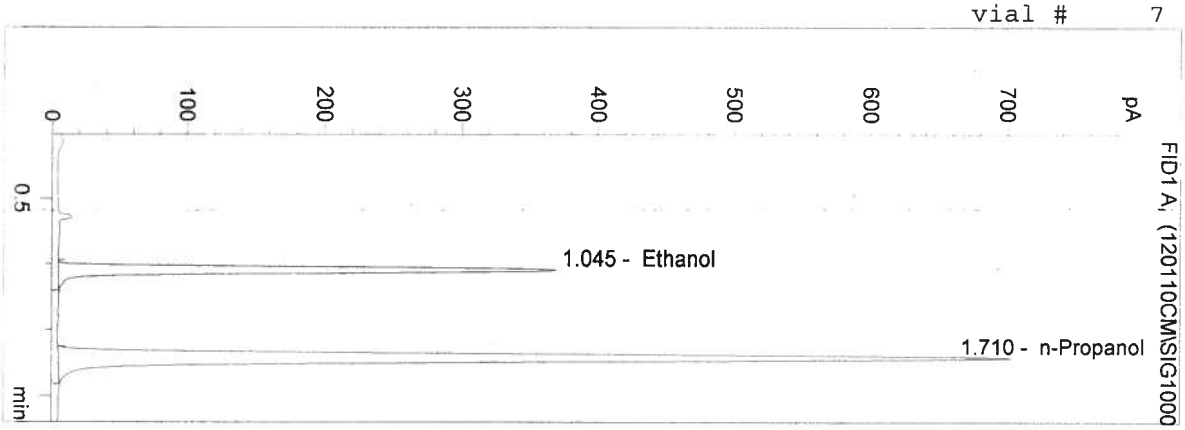
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

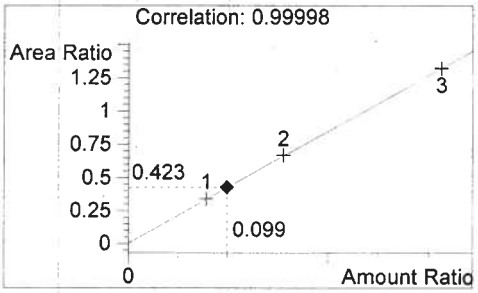
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:26:19 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell Mata

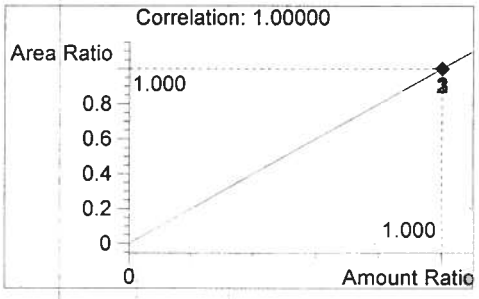
vial # 7



#	Compound	Area	RT
1	Ethanol	1195	1.045
2	n-Propanol	2826	1.710
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

12005

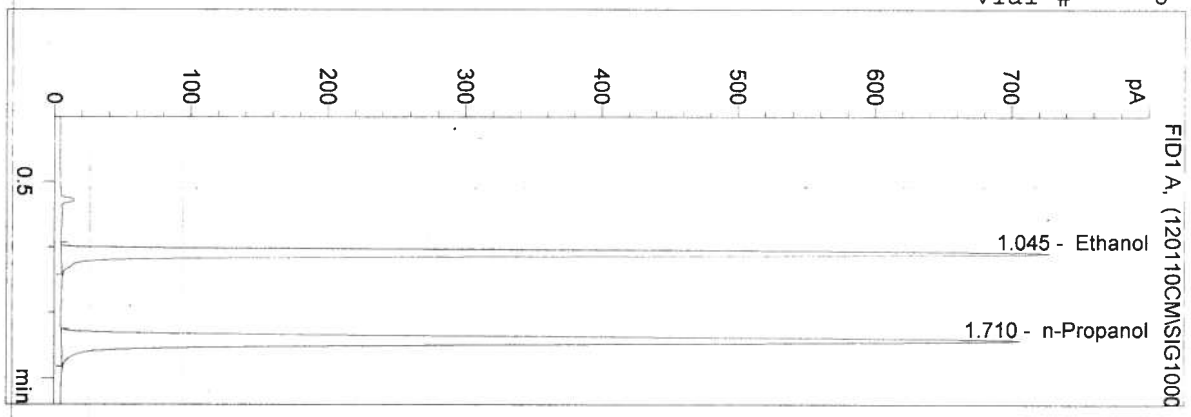
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

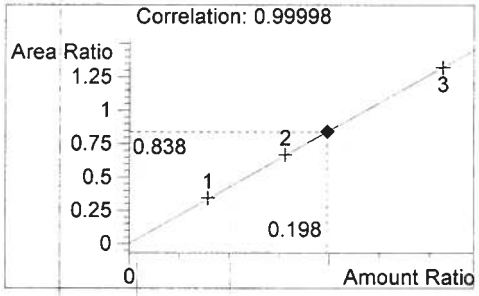
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:29:24 AM
Instrument 1
DB-ALC1

0.20 CTRL - CM
Christie Mitchell Mata

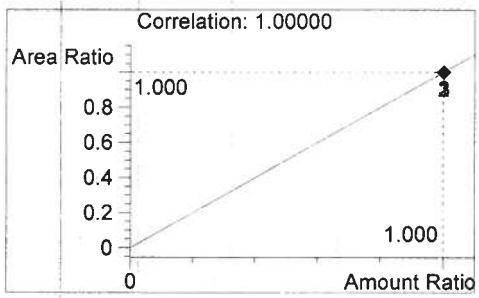
vial # 8



#	Compound	Area	RT
1	Ethanol	2373	1.045
2	n-Propanol	2834	1.710
Tot			



Ethanol 0.198 g/100 mL



n-Propanol 1.000 g/100 mL

12005

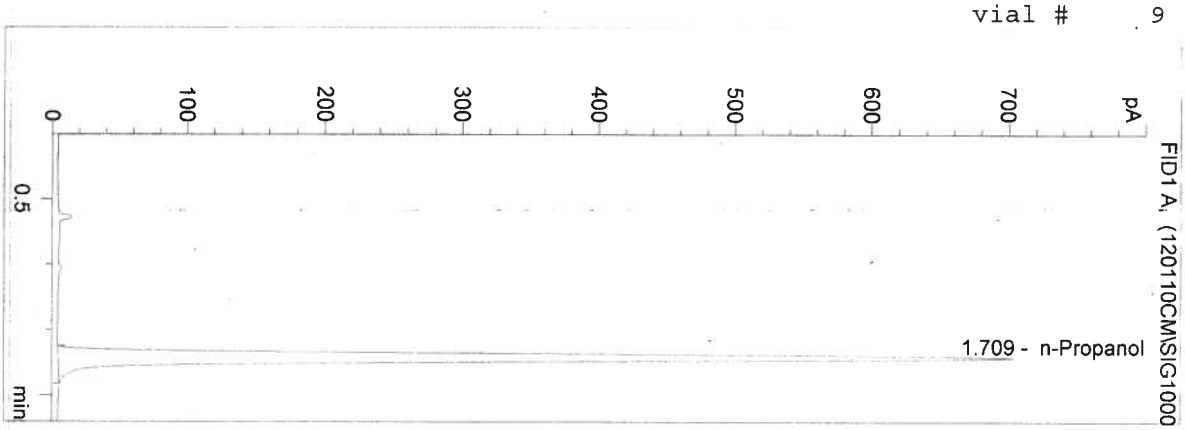
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

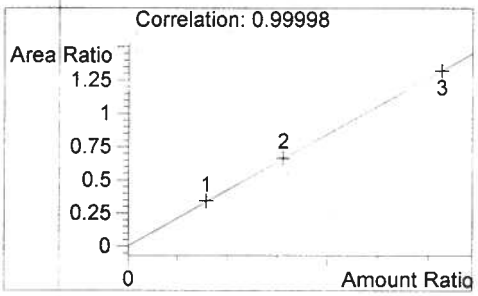
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:32:29 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell Mata

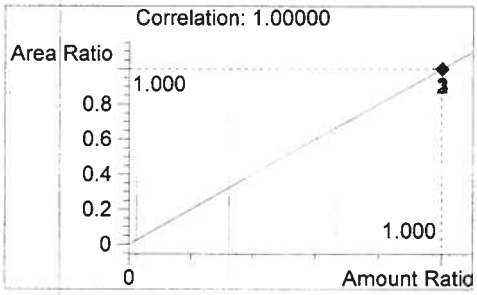
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2826	1.709
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

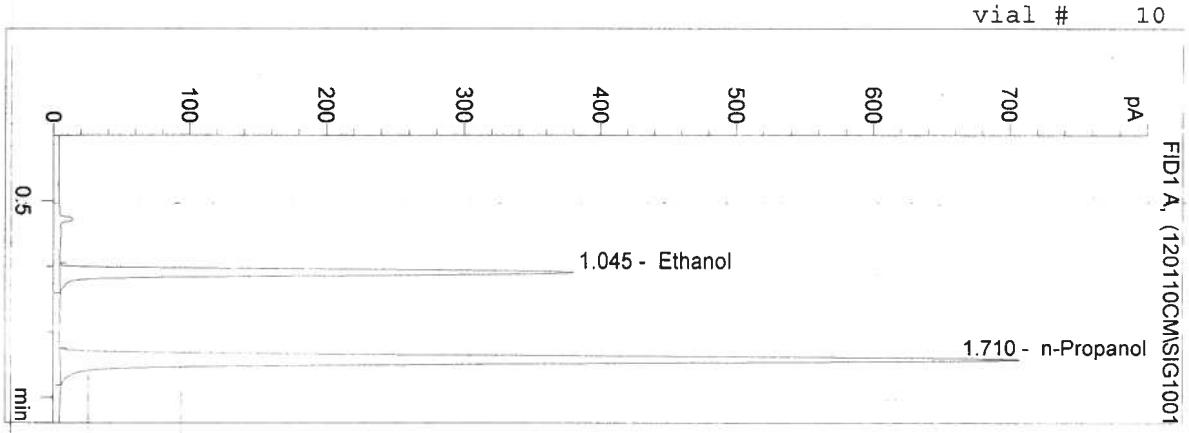
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

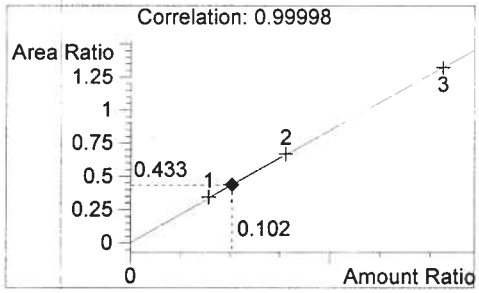
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:35:33 AM
Instrument 1
DB-ALC1

12005 #1
Christie Mitchell Mata

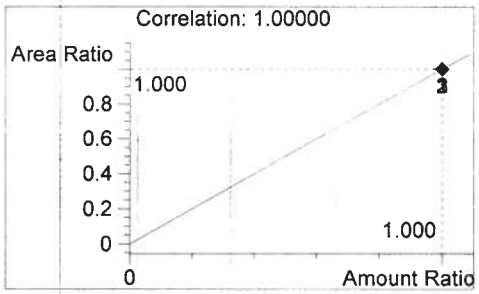
vial # 10



#	Compound	Area	RT
1	Ethanol	1228	1.045
2	n-Propanol	2838	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

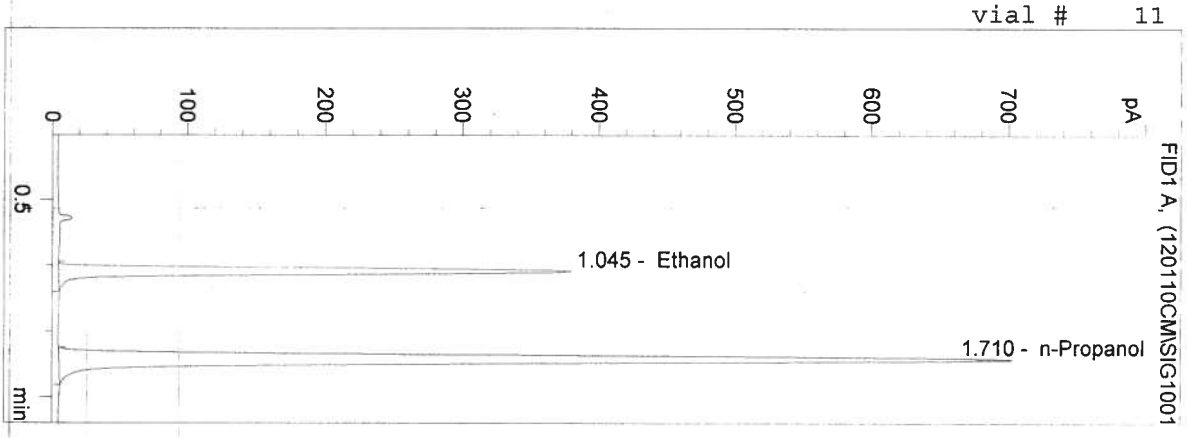
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

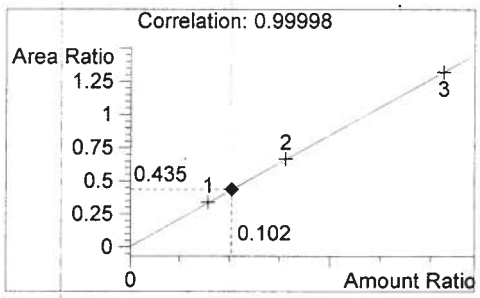
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:38:38 AM
Instrument 1
DB-ALC1

12005 #2
Christie Mitchell Mata

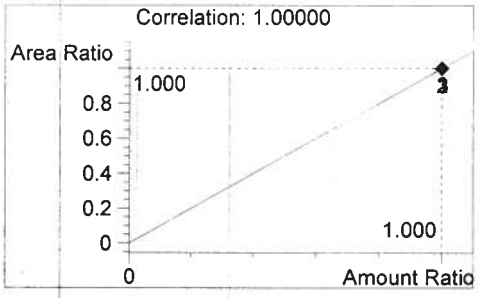
vial # 11



#	Compound	Area	RT
1	Ethanol	1229	1.045
2	n-Propanol	2823	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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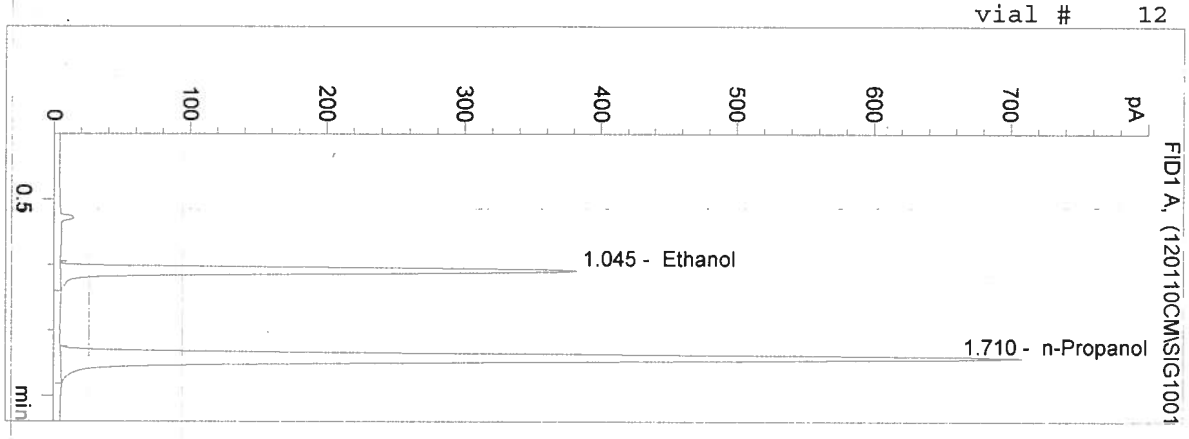
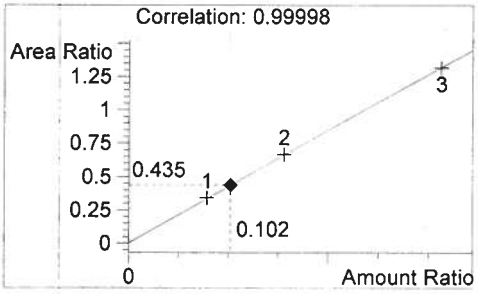
1/10/2012 9:41:42 AM
Instrument 1
DB-ALC1

12005 #3
Christie Mitchell Mata

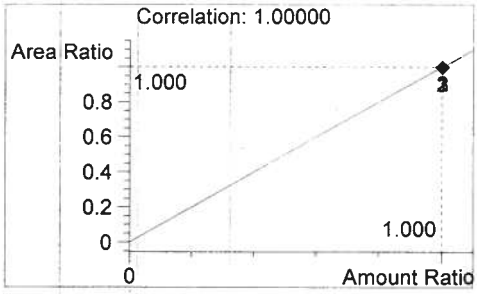
vial # 12



#	Compound	Area	RT
1	Ethanol	1237	1.045
2	n-Propanol	2843	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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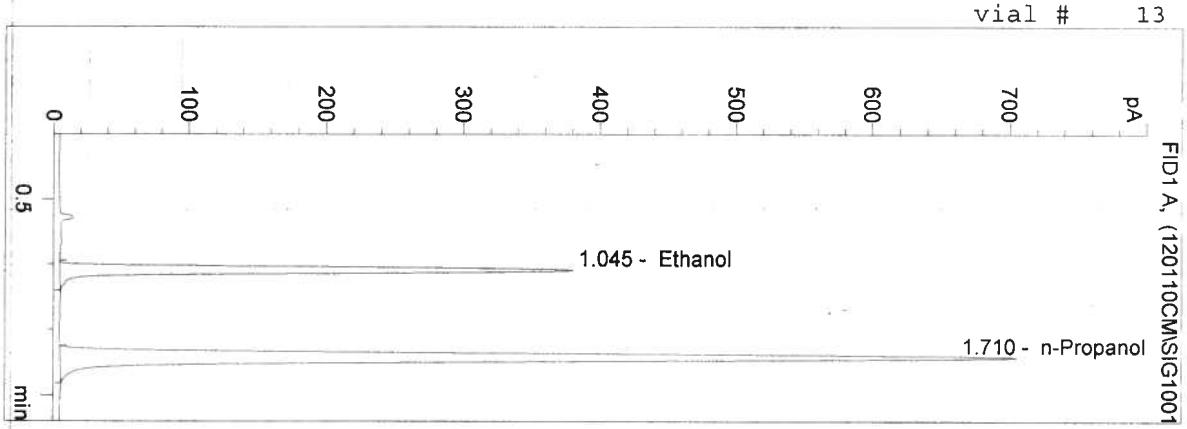
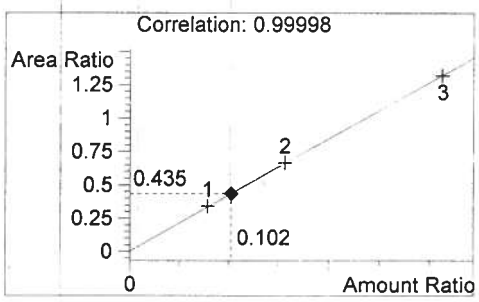
1/10/2012 9:44:47 AM
Instrument 1
DB-ALC1

12005 #4
Christie Mitchell Mata

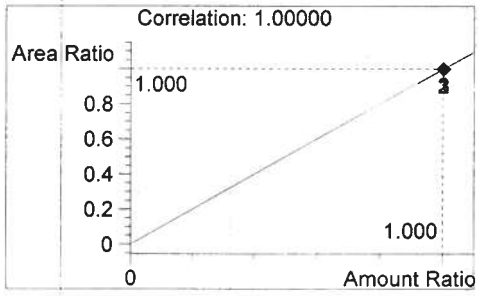
vial # 13



#	Compound	Area	RT
1	Ethanol	1230	1.045
2	n-Propanol	2829	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

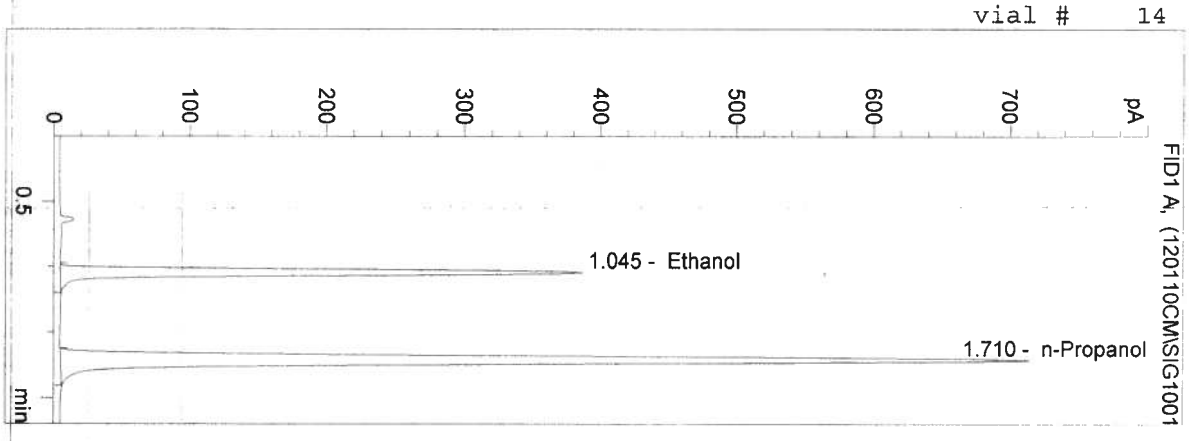
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

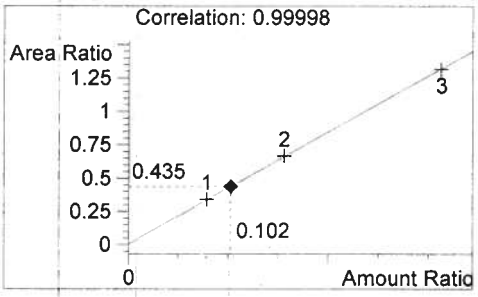
C:\HPCHEM\1\METHODS\SIMALC1.M
1/10/2012 9:47:52 AM
Instrument 1
DB-ALC1

12005 #5
Christie Mitchell Mata

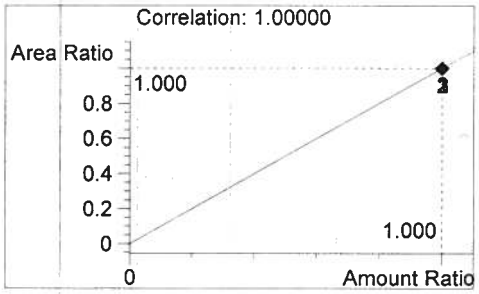
vial # 14



#	Compound	Area	RT
1	Ethanol	1247	1.045
2	n-Propanol	2866	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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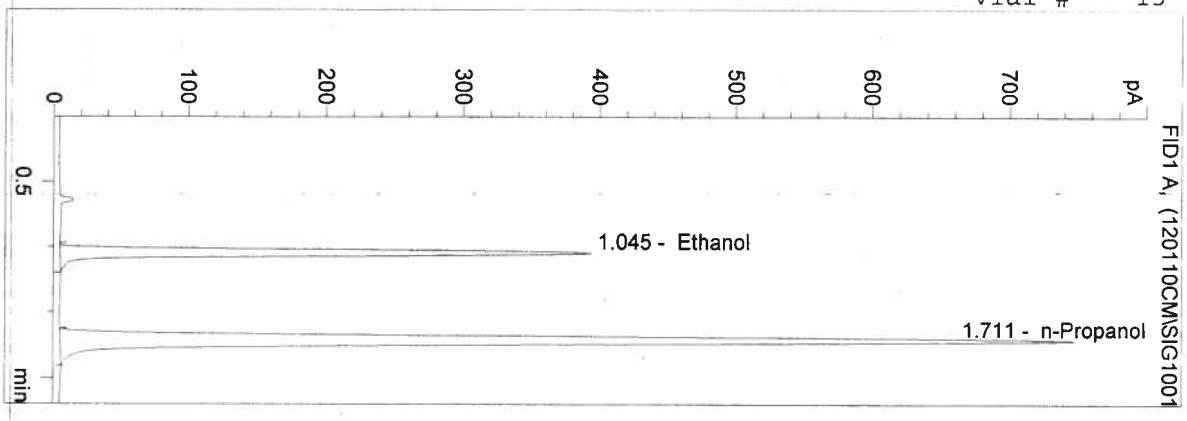
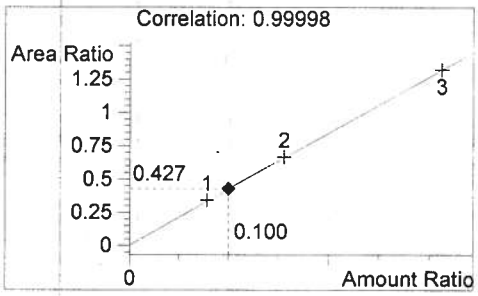
1/10/2012 9:50:57 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell Mata

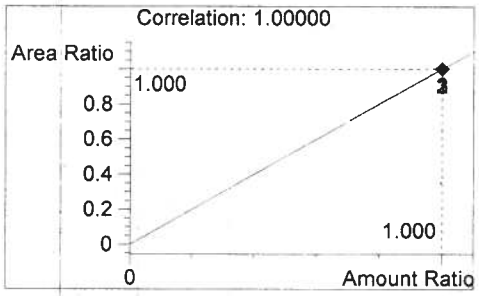
vial # 15



#	Compound	Area	RT
1	Ethanol	1282	1.045
2	n-Propanol	3005	1.711
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12005

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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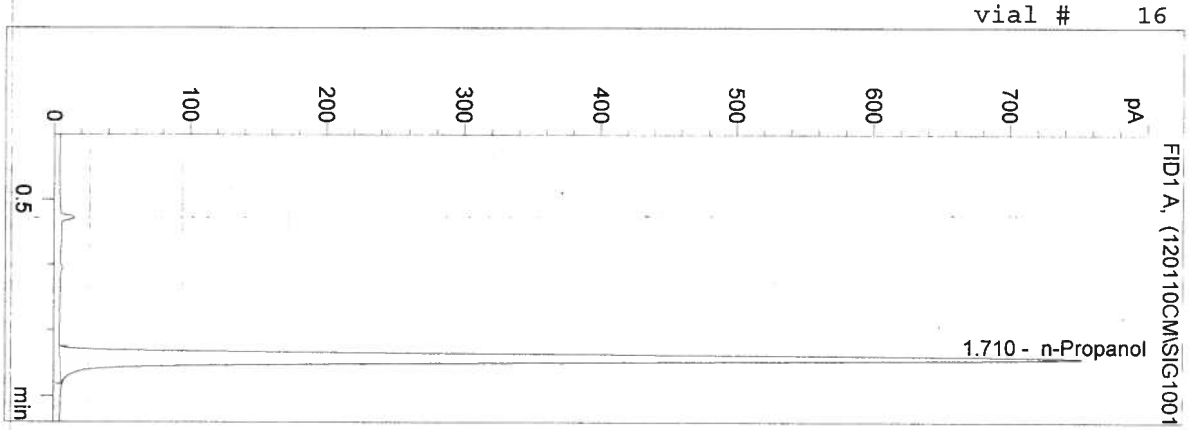
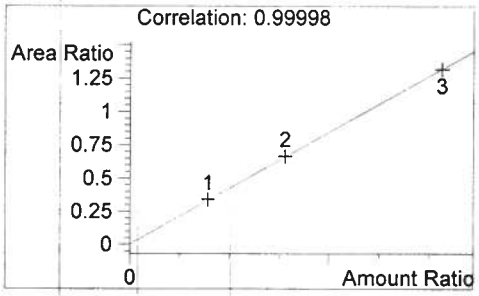
1/10/2012 9:54:02 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell Mata

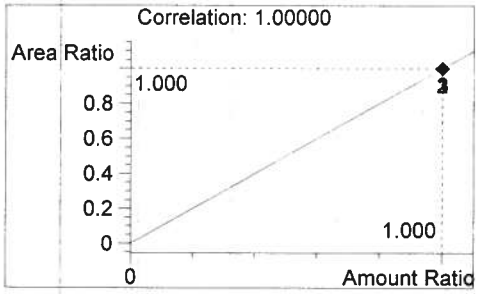
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3026	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

CM

Sequence Parameters:

Operator:	Rebecca Flaherty
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120111RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
Ethanol Calibrator 2, E1111-01 - Exp. 02/10/12
Ethanol Calibrator 3, E1111-01 - Exp. 02/10/12

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
3	Vial 3	Ethanol Calibrator 2, E1111-01 - Exp. 02/10/12
4	Vial 4	Ethanol Calibrator 3, E1111-01 - Exp. 02/10/12
5	Vial 5	
6	Vial 6	0.04 Control - Lot #A077459 - Exp. 02/2015
7	Vial 7	0.10 Control - Lot #A075806 - Exp. 11/2014
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	

12005

RF 1/11/12

15 Vial 15 0.10 Control - Lot #A075806 - Exp. 11/2014

16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-RF	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-RF	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		
10	Vial 10	12005 #1	SIMALC1	1	Sample		
11	Vial 11	12005 #2	SIMALC1	1	Sample		
12	Vial 12	12005 #3	SIMALC1	1	Sample		
13	Vial 13	12005 #4	SIMALC1	1	Sample		
14	Vial 14	12005 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-RF	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-RF	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

RF
1/11/12

12005

Calibration Table

Calib. Data Modified : Wednesday, January 11, 2012 2:00:31 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

RF 1/11/12

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

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

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.044	1	1	7.86300e-2	931.93170	8.43731e-5	1		Ethanol
		2	1.55890e-1	1875.94238	8.30996e-5			
		3	3.12180e-1	3654.91040	8.54139e-5			
1.709	1	1	1.00000	2788.00537	3.58679e-4	I1		n-Propanol
		2	1.00000	2830.51636	3.53292e-4			
		3	1.00000	2793.38550	3.57989e-4			

Peak Sum Table

No Entries in table

12005

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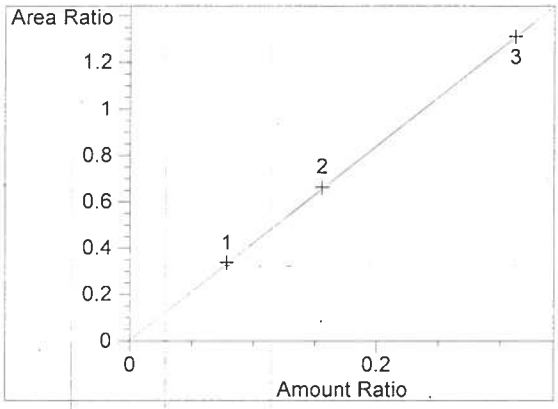
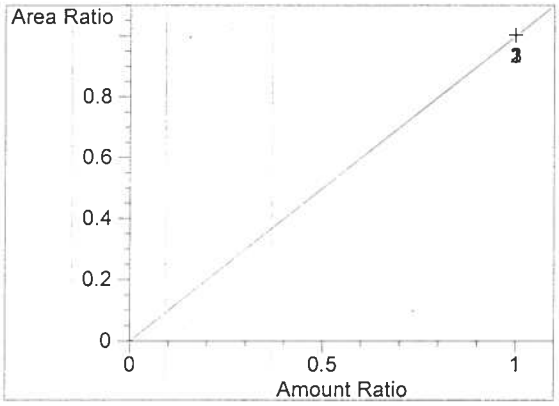
Calibration Curves

==========



Ethanol at exp. RT: 1.044
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00550
Formula: y = mx + b
m: 4.18948
b: 3.76255e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.709
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

RF
1/11/12

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12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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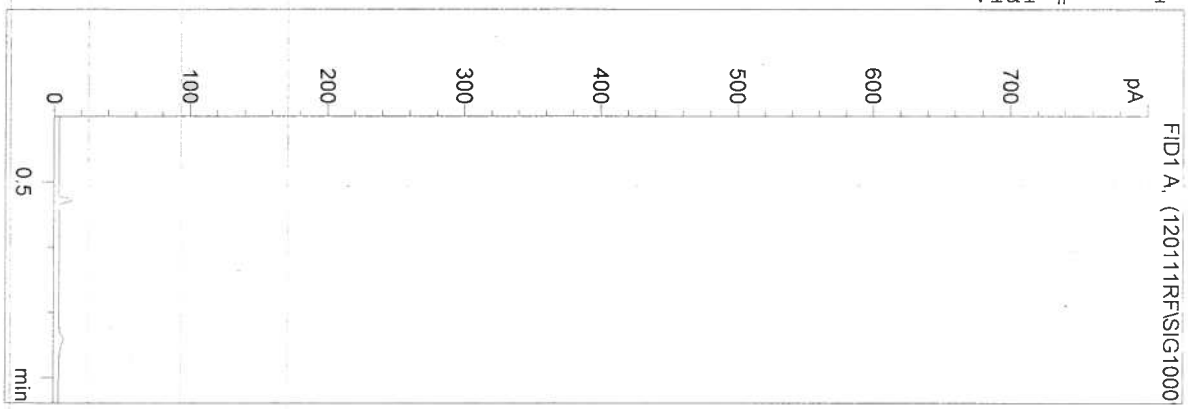
1/11/2012 1:49:04 PM
Instrument 1
DB-ALC1

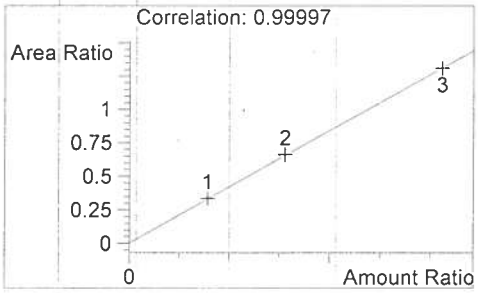
BLANK
Rebecca Flaherty

vial # 1

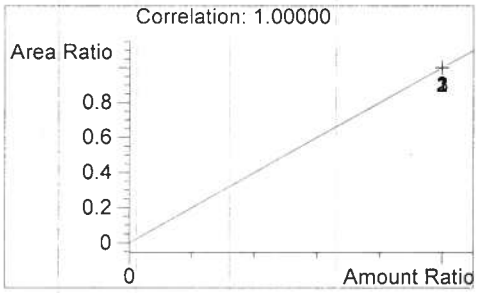


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Tot			

RF 1/11/12



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

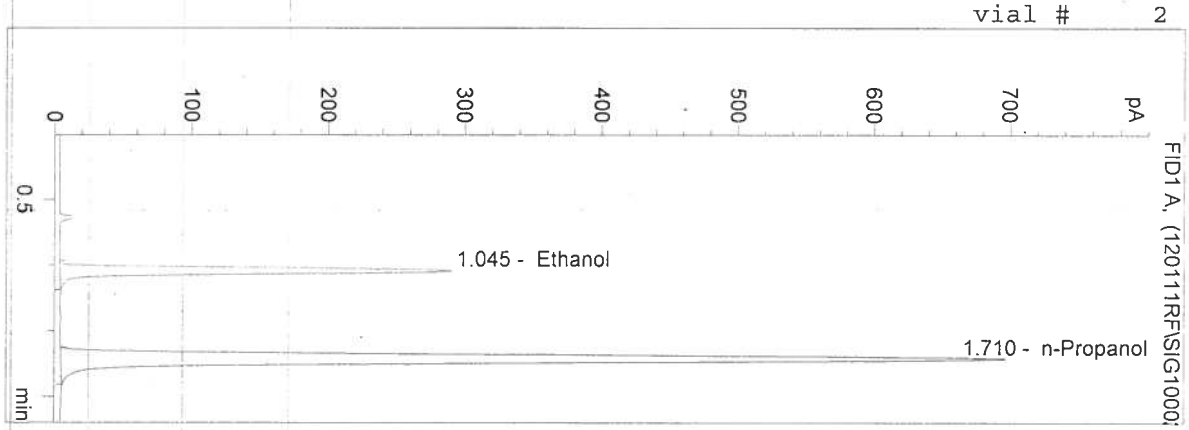
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
1/11/2012 1:52:09 PM
Instrument 1
DB-ALC1

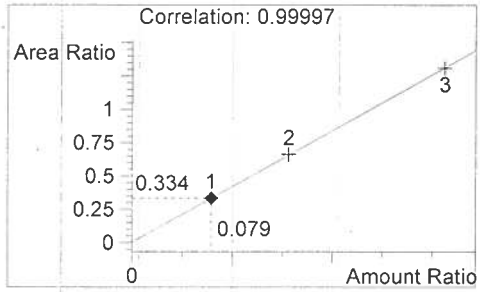
0.079 CAL 1
Rebecca Flaherty

vial # 2

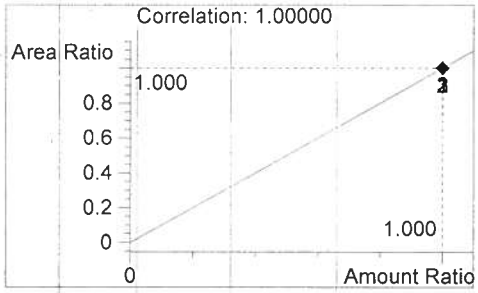


#	Compound	Area	RT
1	Ethanol	932	1.045
2	n-Propanol	2788	1.710
Tot			

RF 1/11/12



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

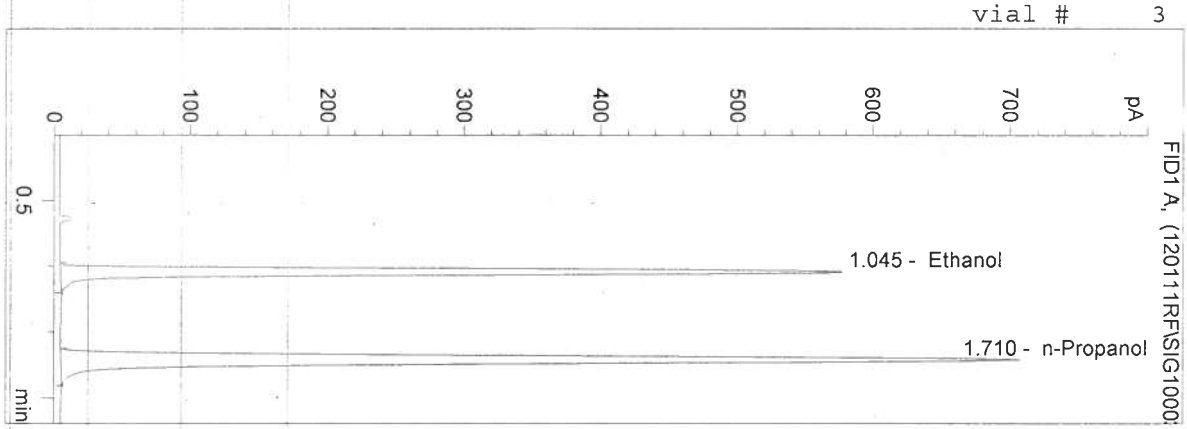
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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

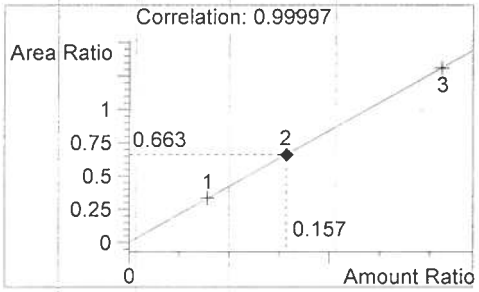
0.158 CAL 2
Rebecca Flaherty

vial # 3

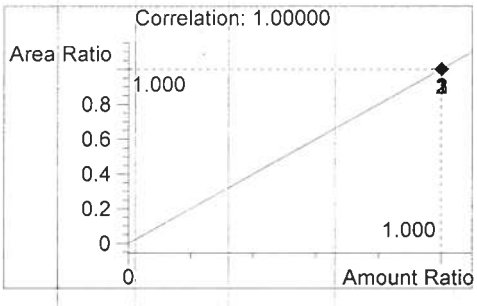


#	Compound	Area	RT
1	Ethanol	1876	1.045
2	n-Propanol	2831	1.710
Tot			

RF 1/11/12



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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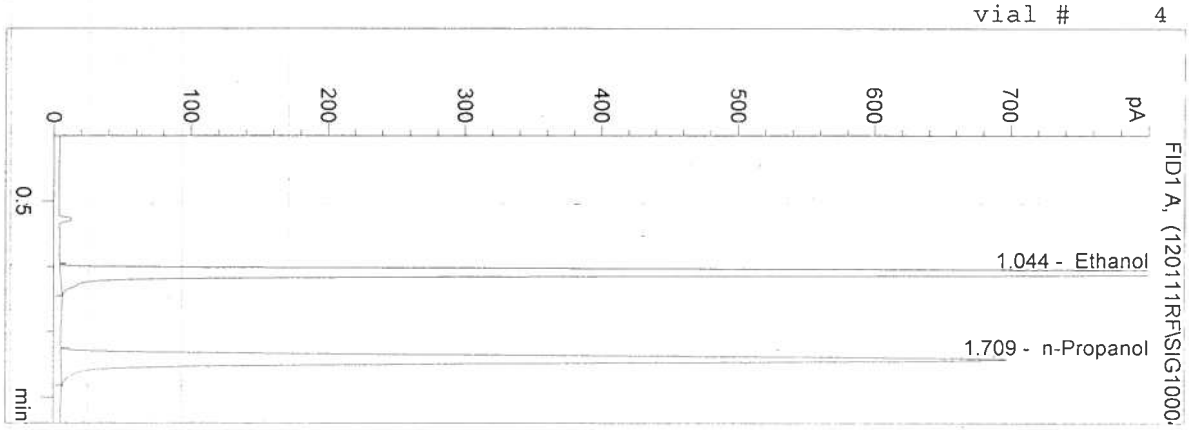
1/11/2012 1:58:18 PM
Instrument 1
DB-ALC1

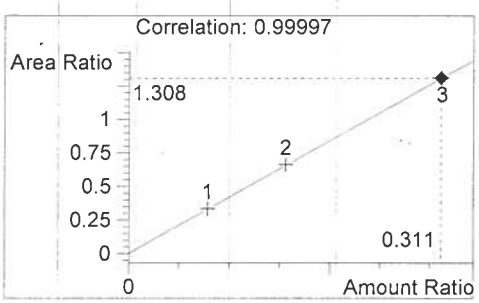
0.316 CAL 3
Rebecca Flaherty

vial # 4

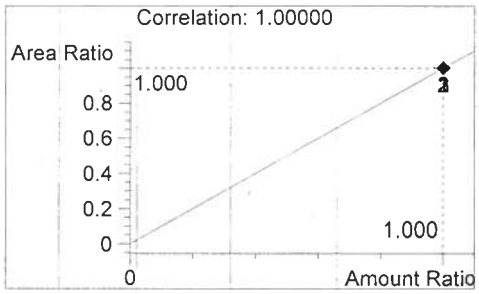


#	Compound	Area	RT
1	Ethanol	3655	1.044
2	n-Propanol	2793	1.709
Tot			

RF 1/11/12



Ethanol 0.311 g/100 mL



n-Propanol 1.000 g/100 mL

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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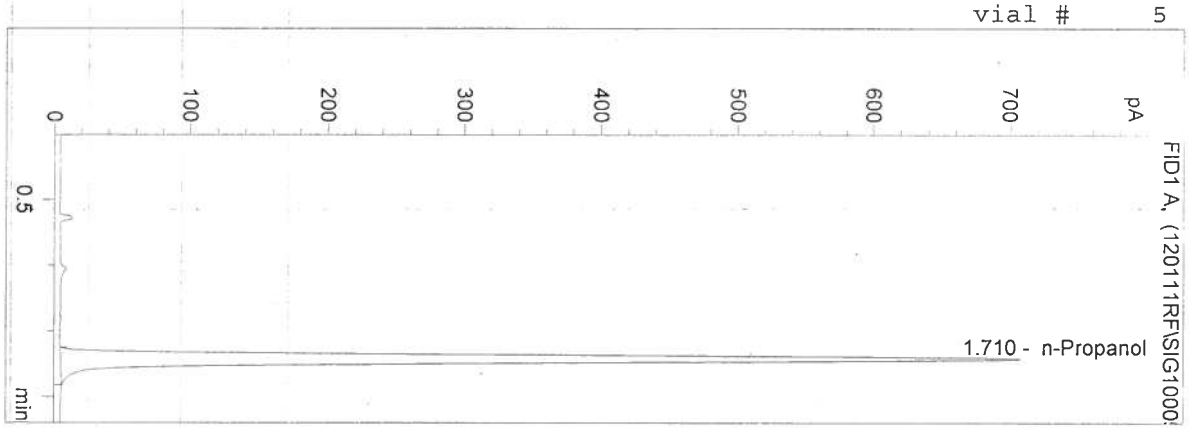
1/11/2012 2:01:23 PM
Instrument 1
DB-ALC1

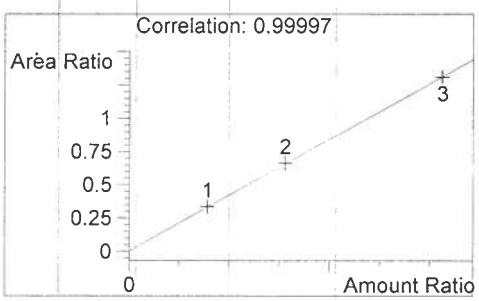
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

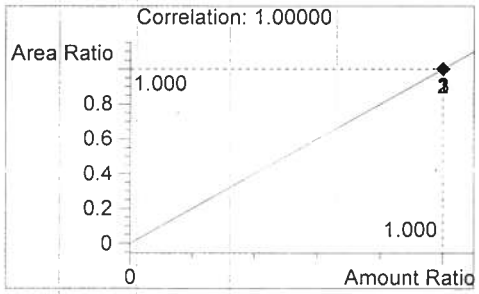


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2838	1.710
Tot			

RF 1/11/12



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

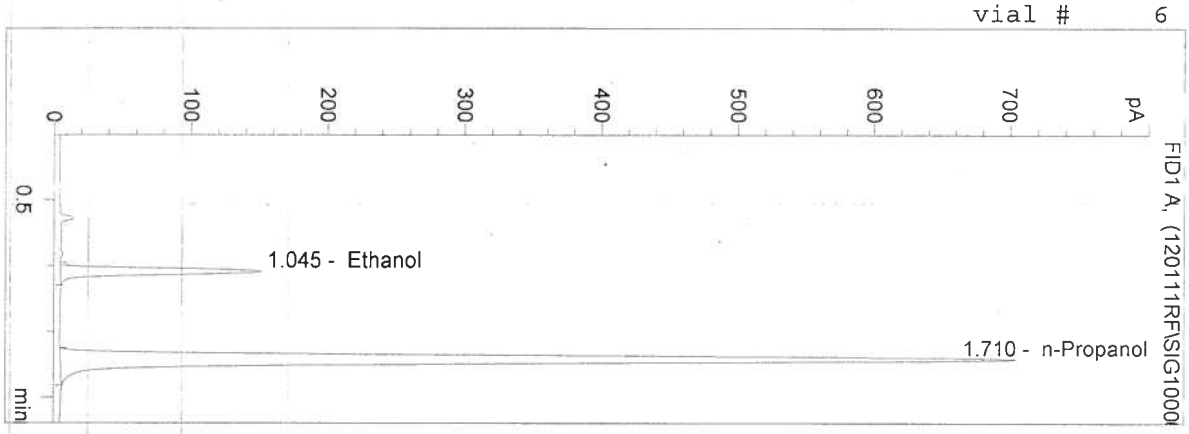
12005

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
1/11/2012 2:04:28 PM
Instrument 1
DB-ALC1

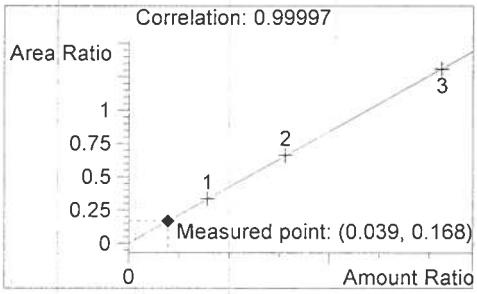
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

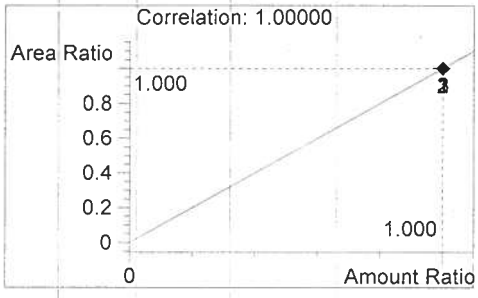


#	Compound	Area	RT
1	Ethanol	475	1.045
2	n-Propanol	2826	1.710
Tot			

RF 1/11/12



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12005

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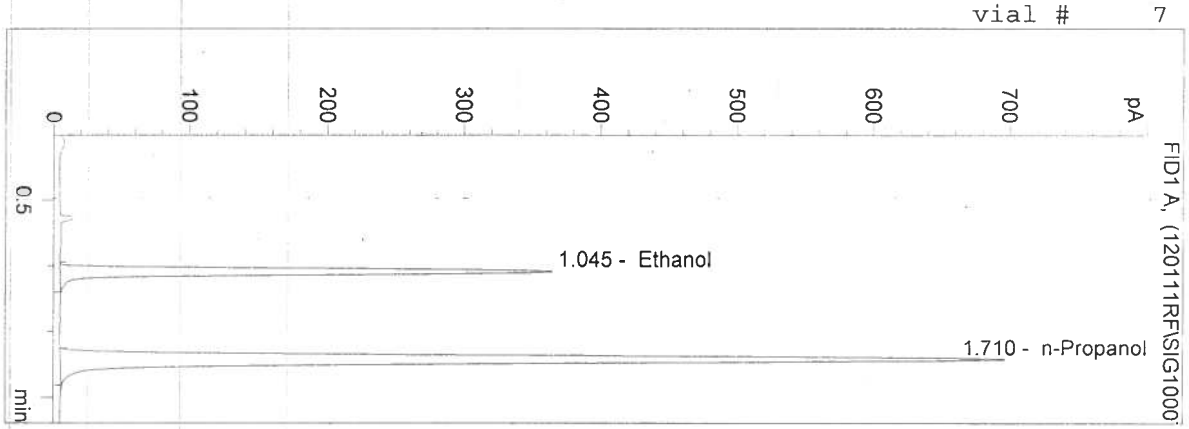
1/11/2012 2:07:32 PM
Instrument 1
DB-ALC1

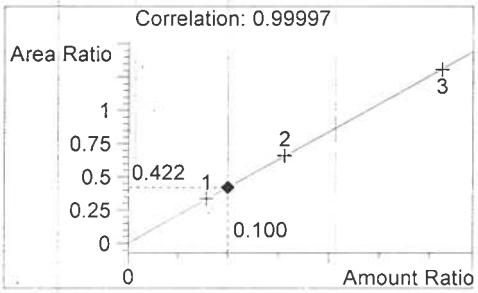
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

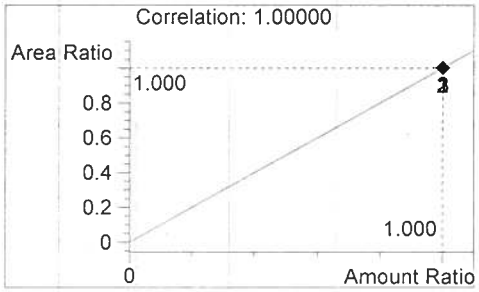


#	Compound	Area	RT
1	Ethanol	1178	1.045
2	n-Propanol	2791	1.710
Tot			

RF 1/11/12



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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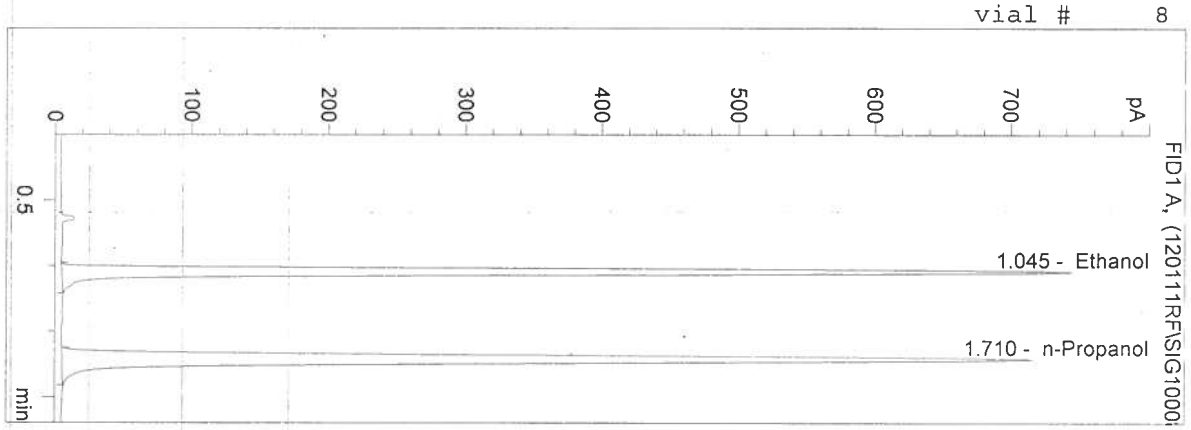
1/11/2012 2:10:37 PM
Instrument 1
DB-ALC1

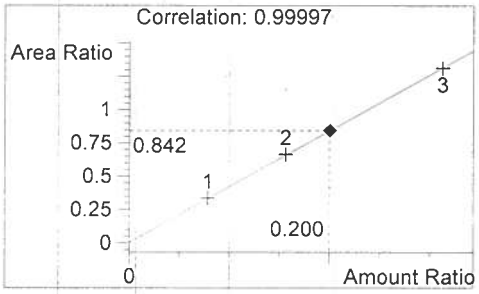
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

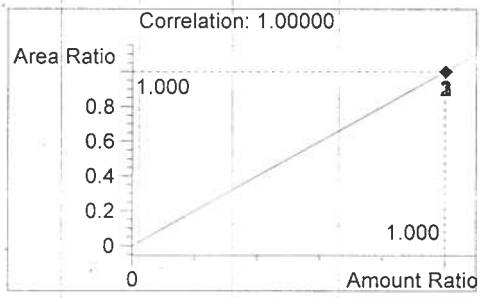


#	Compound	Area	RT
1	Ethanol	2409	1.045
2	n-Propanol	2862	1.710
Tot			

RF 1/11/12



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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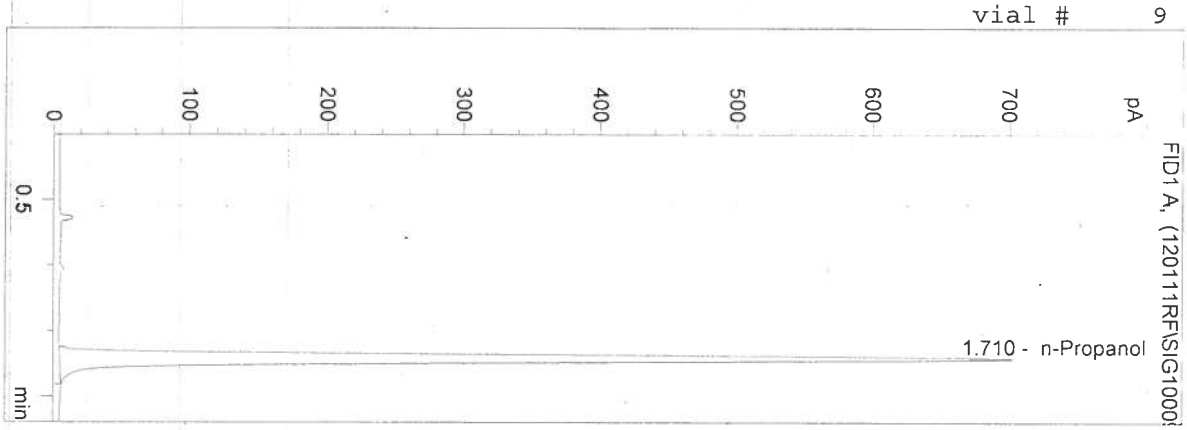
1/11/2012 2:13:42 PM
Instrument 1
DB-ALC1

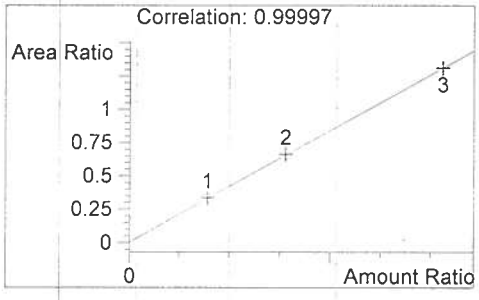
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

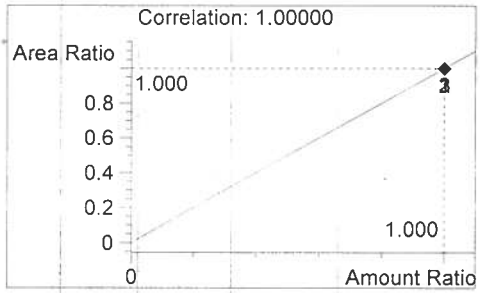


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2812	1.710
Tot			

RF 1/11/12



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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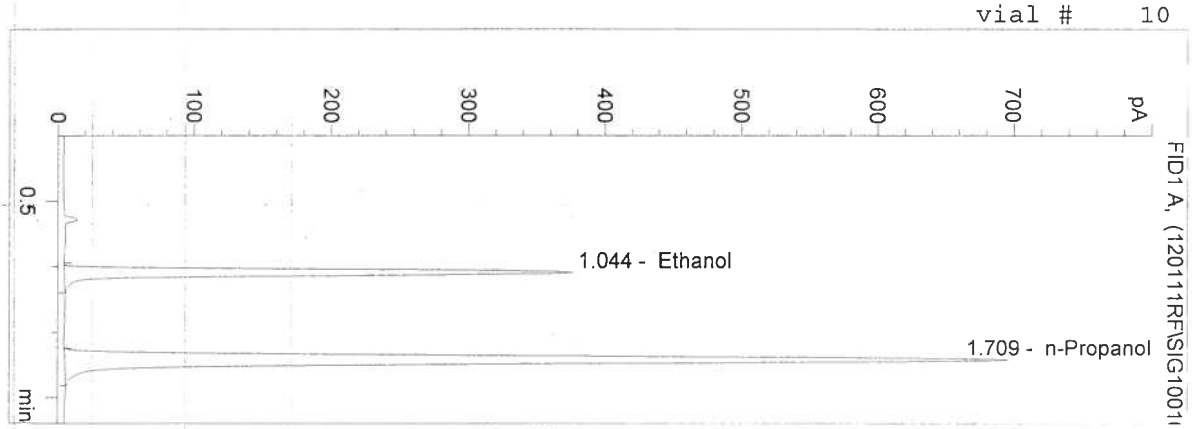
1/11/2012 2:16:46 PM
Instrument 1
DB-ALC1

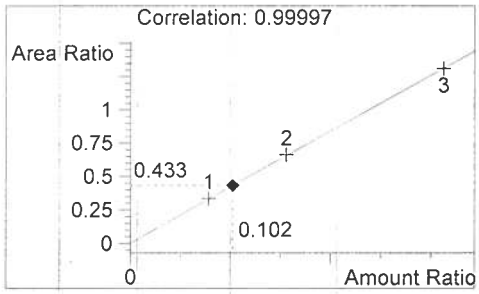
12005 #1
Rebecca Flaherty

vial # 10

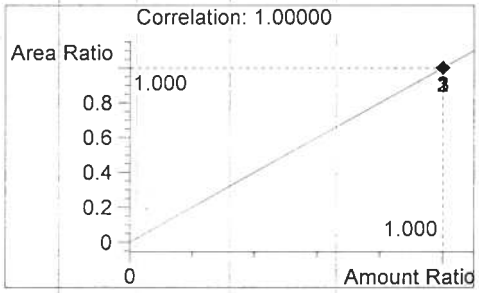


#	Compound	Area	RT
1	Ethanol	1209	1.044
2	n-Propanol	2792	1.709
Tot			

RF 1/11/12



Ethanol 0.102 g/100 mL



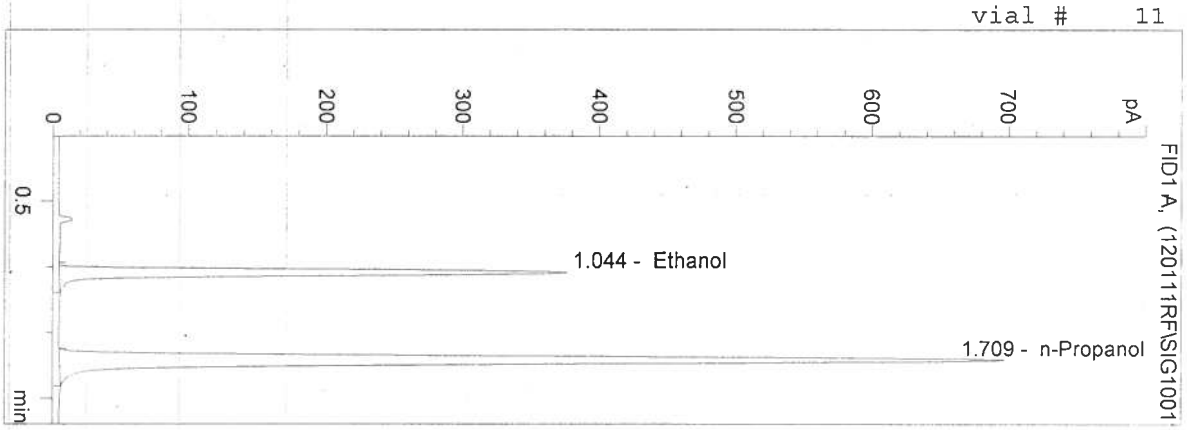
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
1/11/2012 2:19:51 PM
Instrument 1
DB-ALC1

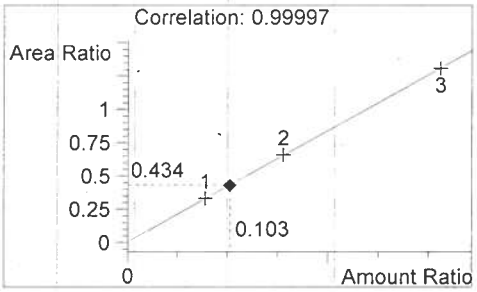
12005 #2
Rebecca Flaherty

vial # 11

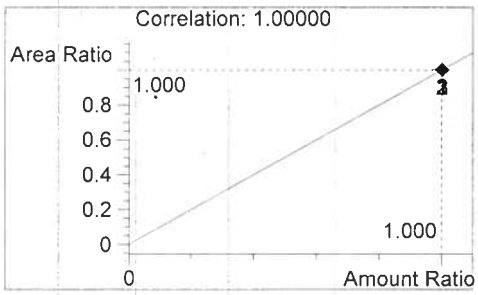


#	Compound	Area	RT
1	Ethanol	1213	1.044
2	n-Propanol	2796	1.709
Tot			

RF 1/11/12



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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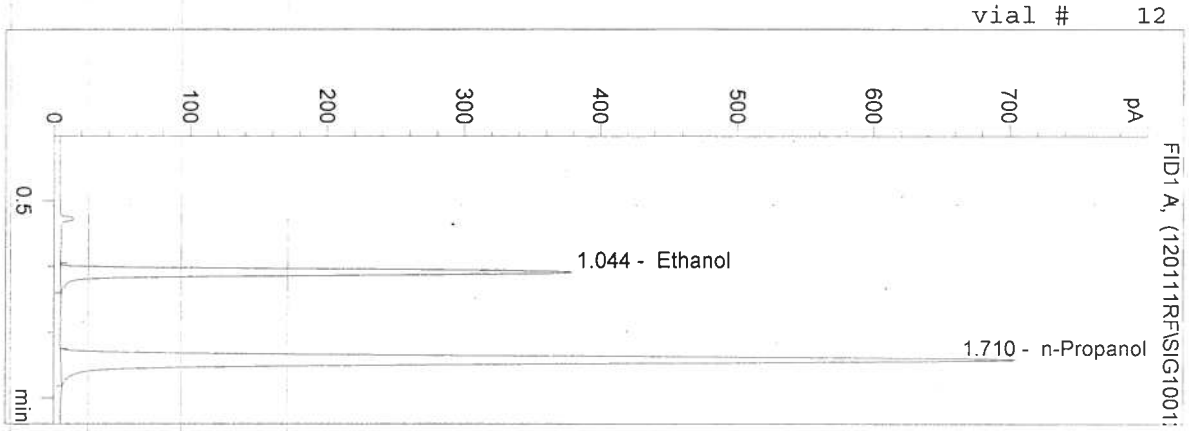
1/11/2012 2:22:56 PM
Instrument 1
DB-ALC1

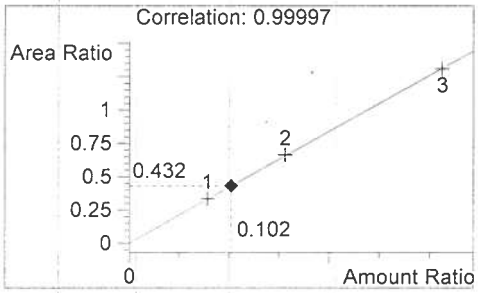
12005 #3
Rebecca Flaherty

vial # 12

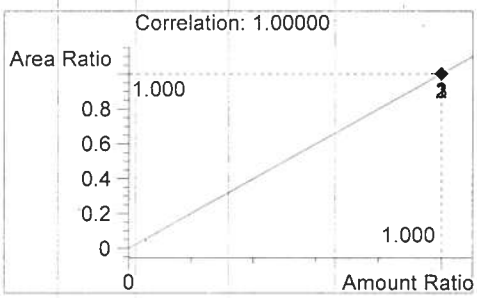


#	Compound	Area	RT
1	Ethanol	1218	1.044
2	n-Propanol	2820	1.710
Tot			

RF 1/11/12



Ethanol 0.102 g/100 mL



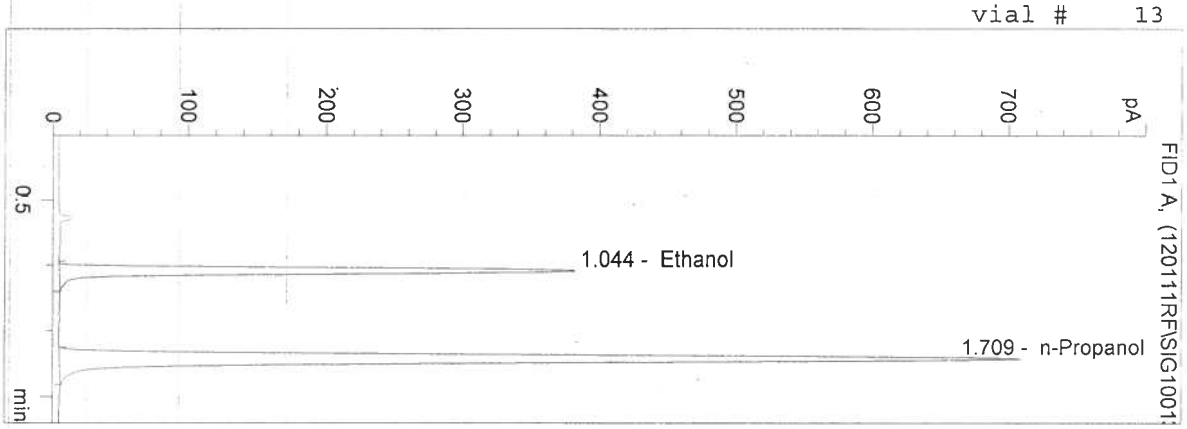
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
1/11/2012 2:26:01 PM
Instrument 1
DB-ALC1

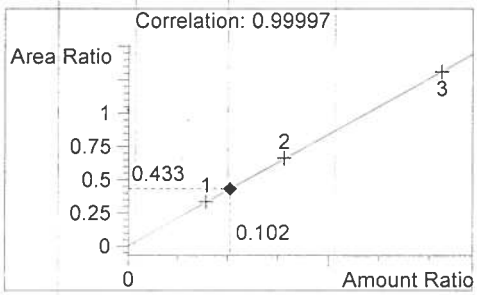
12005 #4
Rebecca Flaherty

vial # 13

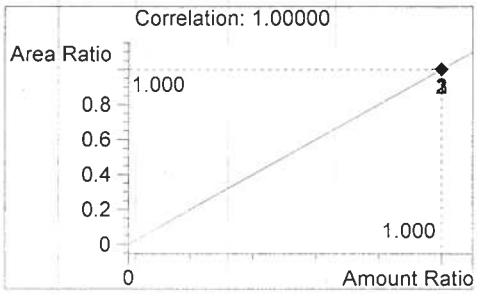


#	Compound	Area	RT
1	Ethanol	1228	1.044
2	n-Propanol	2837	1.709
Tot			

RF 1/11/12



Ethanol 0.102 g/100 mL



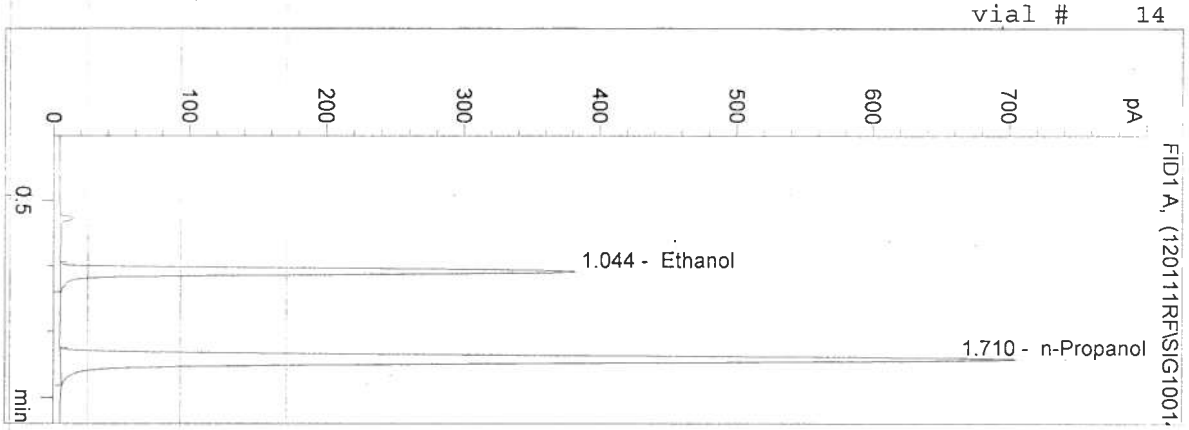
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
1/11/2012 2:29:06 PM
Instrument 1
DB-ALC1

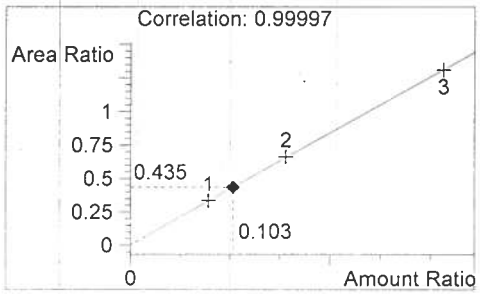
12005 #5
Rebecca Flaherty

vial # 14

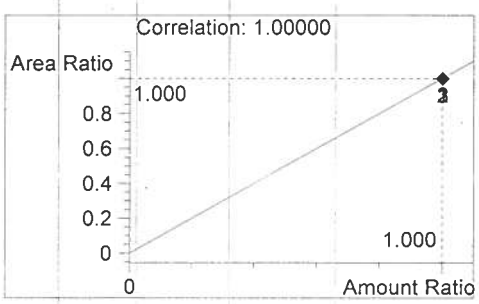


#	Compound	Area	RT
1	Ethanol	1228	1.044
2	n-Propanol	2821	1.710
Tot			

RF
1/11/12



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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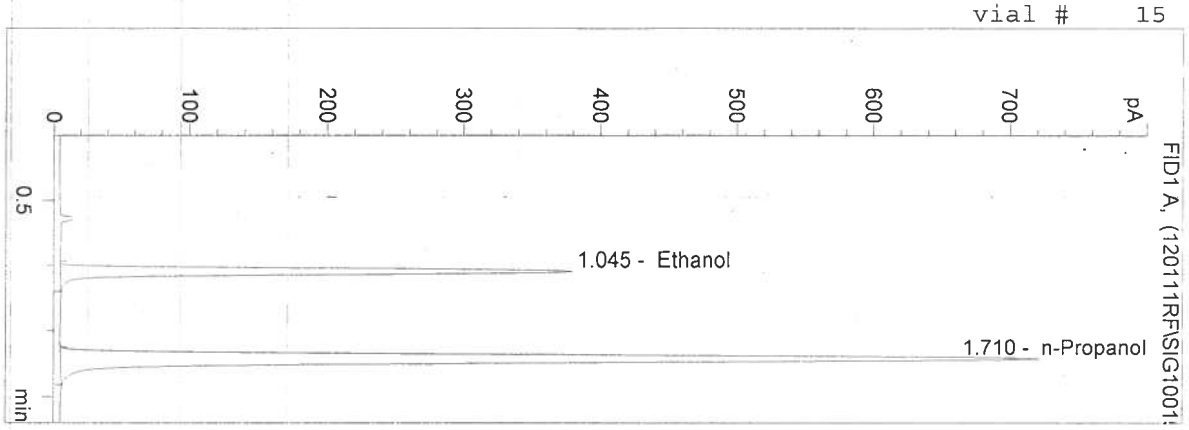
1/11/2012 2:32:10 PM
Instrument 1
DB-ALC1

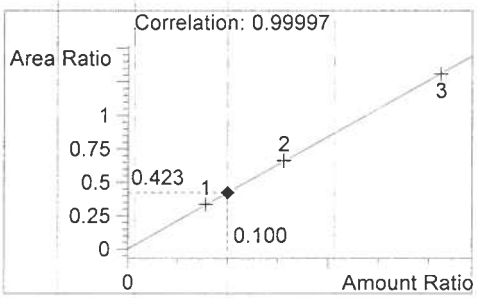
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

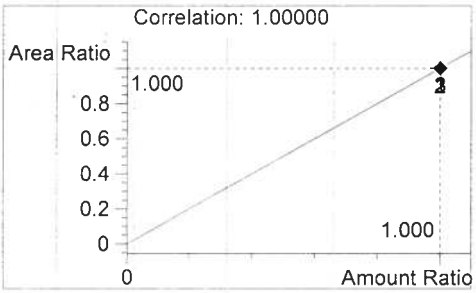


#	Compound	Area	RT
1	Ethanol	1227	1.045
2	n-Propanol	2898	1.710
Tot			

RF 1/11/12



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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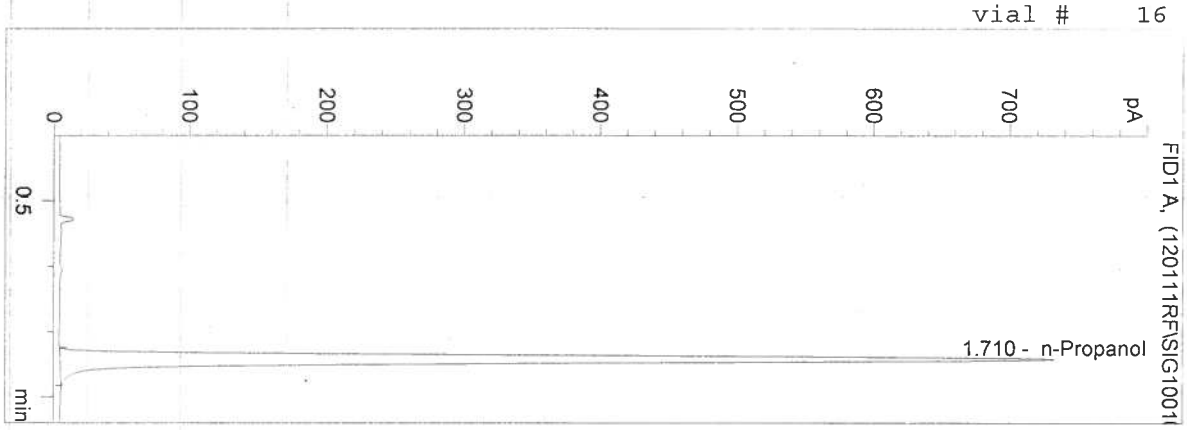
1/11/2012 2:35:15 PM
Instrument 1
DB-ALC1

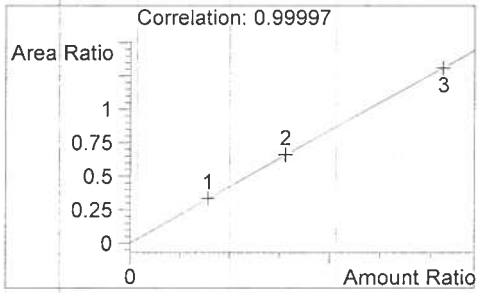
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

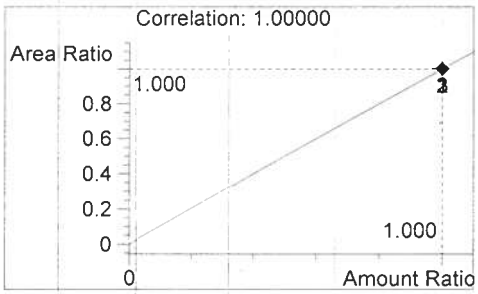


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2946	1.710
Tot			

RF 1/11/12



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

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:	120113JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/2012
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/2012
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E1111-01 - Exp 02/10/2012
3	Vial 3	E1111-02 - Exp 02/10/2012
4	Vial 4	E1111-03 - Exp 02/10/2012
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	

12005

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	12005-1	SIMALC1	1	Sample		
11	Vial 11	12005-2	SIMALC1	1	Sample		
12	Vial 12	12005-3	SIMALC1	1	Sample		
13	Vial 13	12005-4	SIMALC1	1	Sample		
14	Vial 14	12005-5	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!

12005

Calibration Table

Calib. Data Modified : Friday, January 13, 2012 10:49:03 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.045	1	1	7.86300e-2	927.08887	8.48139e-5	1		Ethanol
		2	1.55890e-1	1850.56787	8.42390e-5			
		3	3.12180e-1	3686.71704	8.46770e-5			
1.710	1	1	1.00000	2757.58789	3.62636e-4	I1		n-Propanol
		2	1.00000	2765.80151	3.61559e-4			
		3	1.00000	2777.36743	3.60053e-4			

Peak Sum Table

No Entries in table

12005

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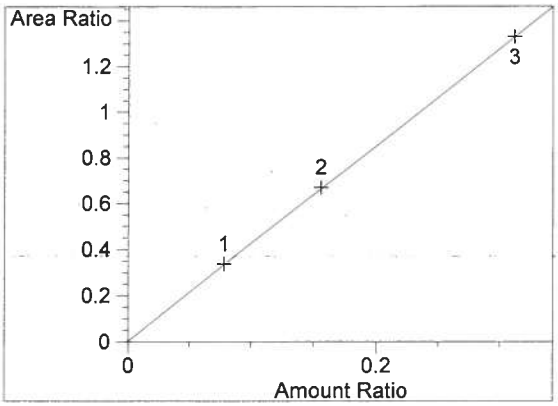
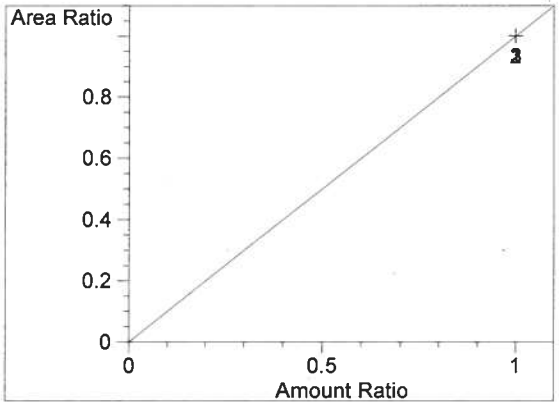
Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00360
Formula: y = mx + b
m: 4.25231
b: 1.99066e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12005

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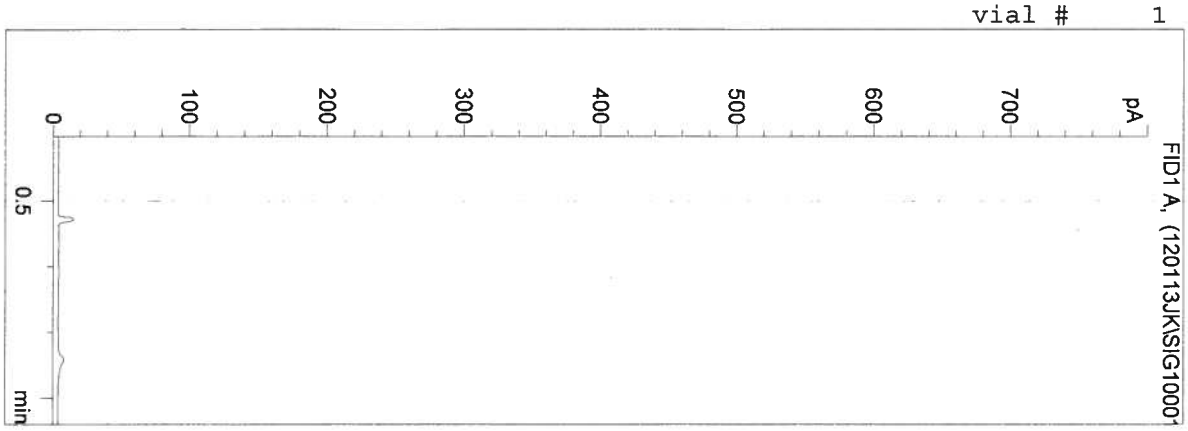
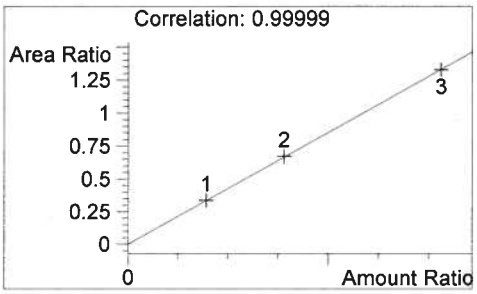
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 10:37:36 AM
Instrument 1
DB-ALC1

BLANK
Justin Knoy

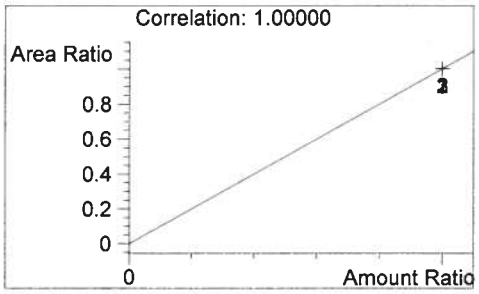
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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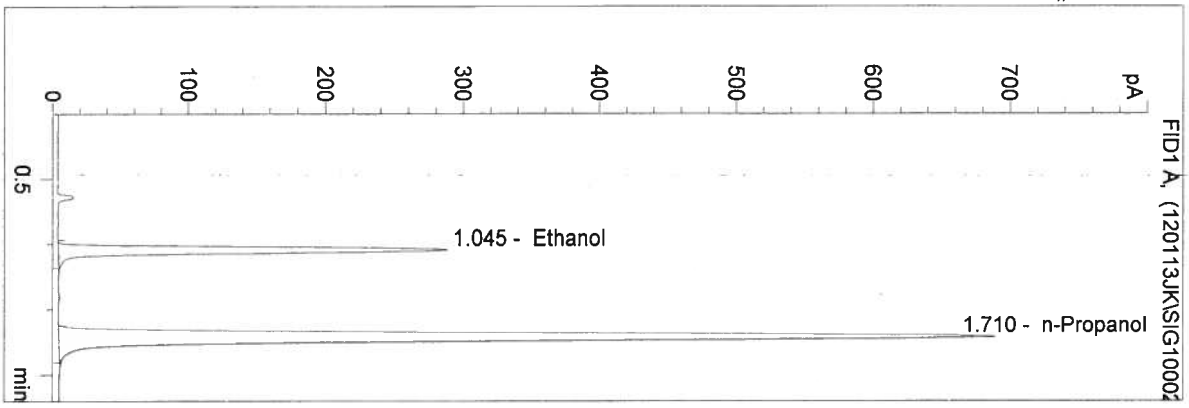
1/13/2012 10:40:40 AM
Instrument 1
DB-ALC1

CAL1 0.079
Justin Knoy

vial # 2



#	Compound	Area	RT
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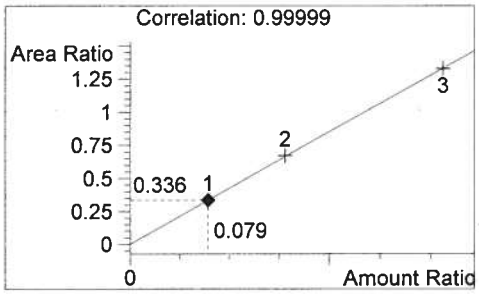
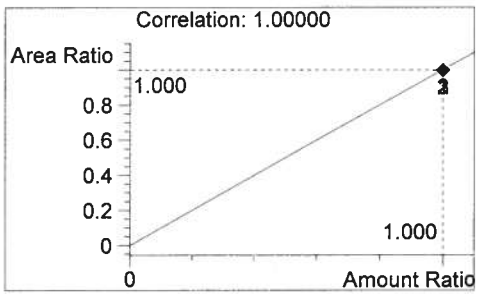
2	n-Propanol	2758	1.710
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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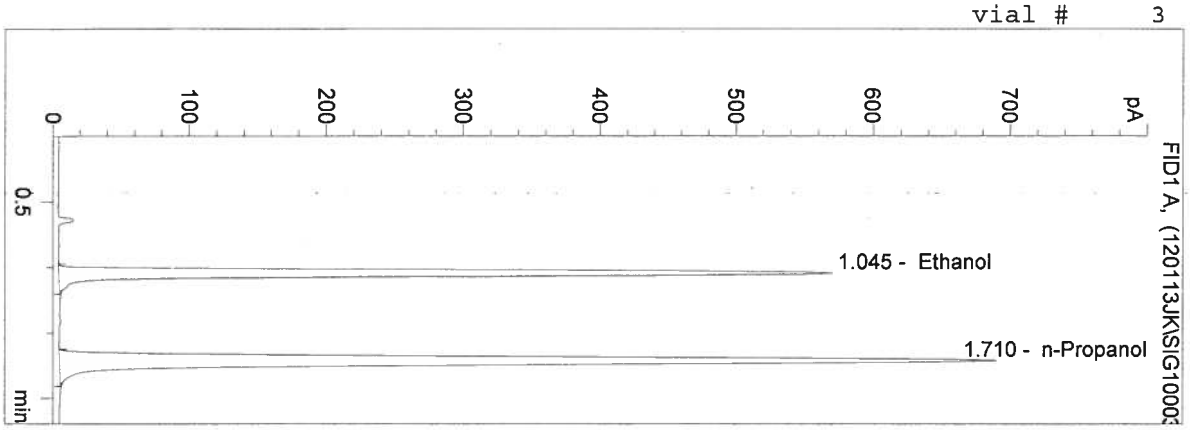
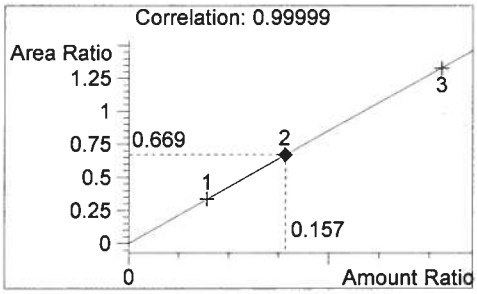
1/13/2012 10:43:45 AM
Instrument 1
DB-ALC1

CAL2 0.158
Justin Knoy

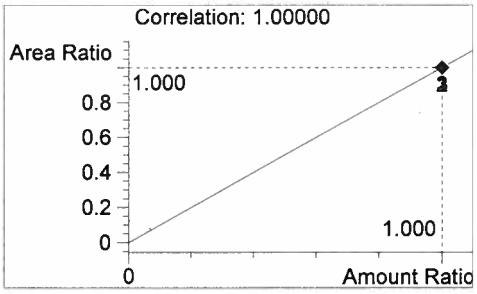
vial # 3



#	Compound	Area	RT
1	Ethanol	1851	1.045
2	n-Propanol	2766	1.710
Tot			



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

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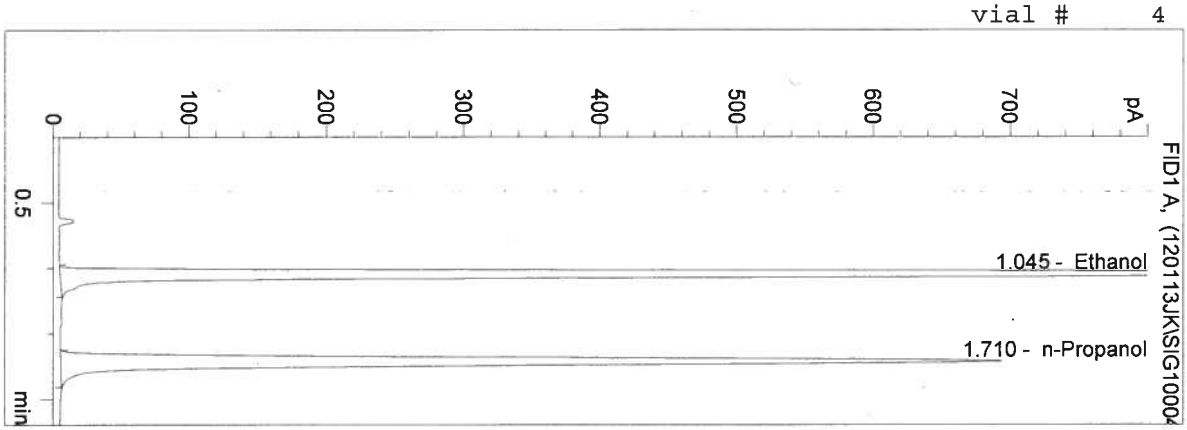
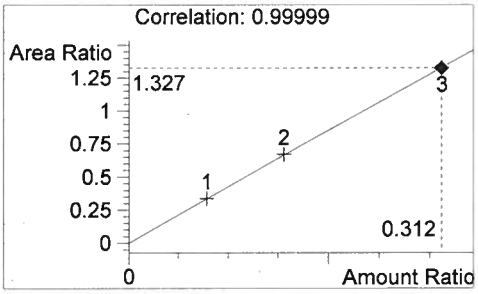
1/13/2012 10:46:49 AM
Instrument 1
DB-ALC1

CAL3 0.316
Justin Knoy

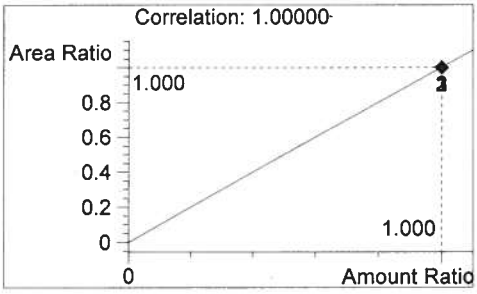
vial # 4



#	Compound	Area	RT
1	Ethanol	3687	1.045
2	n-Propanol	2777	1.710
Tot			



Ethanol 0.312 g/100 mL



n-Propanol 1.000 g/100 mL

2005

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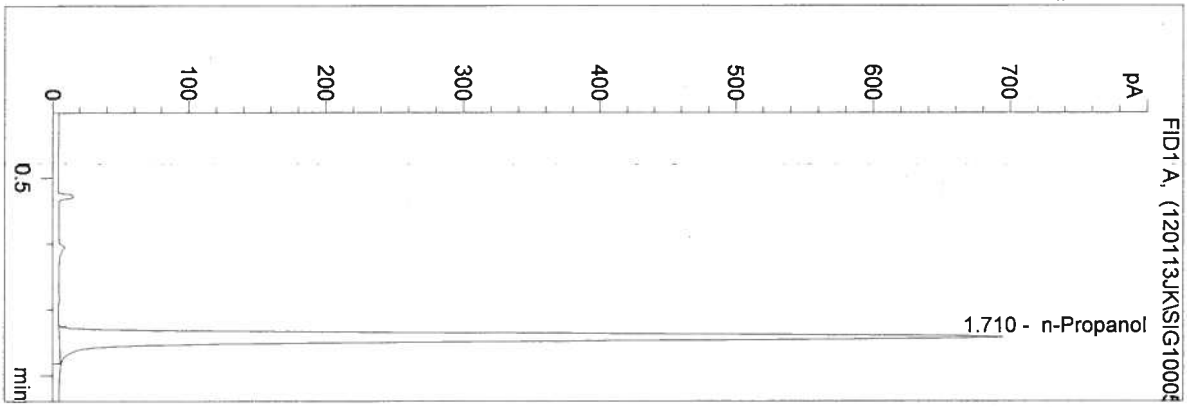
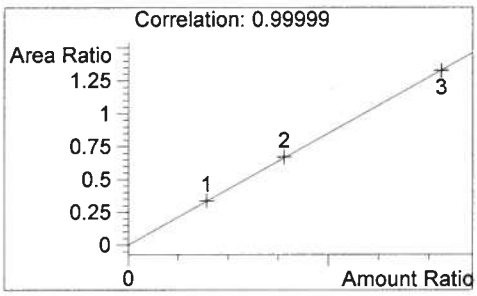
1/13/2012 10:49:54 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

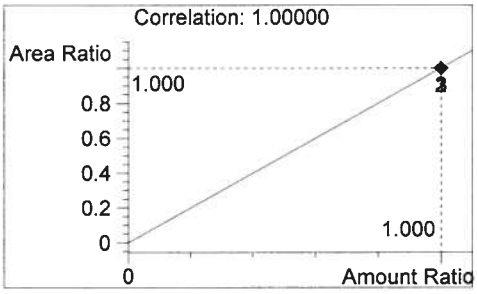
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2784	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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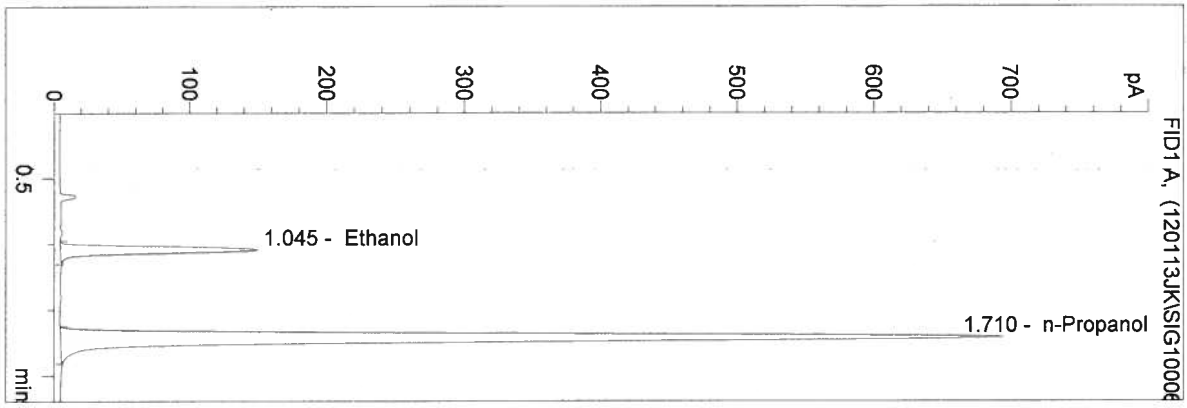
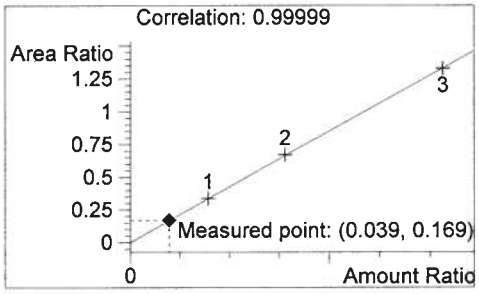
1/13/2012 10:52:59 AM
Instrument 1
DB-ALC1

0.04 CTRL JK
Justin Knoy

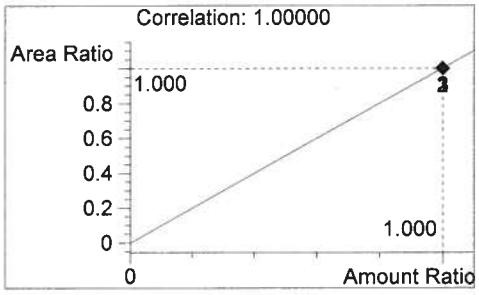
vial # 6



#	Compound	Area	RT
1	Ethanol	472	1.045
2	n-Propanol	2787	1.710
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

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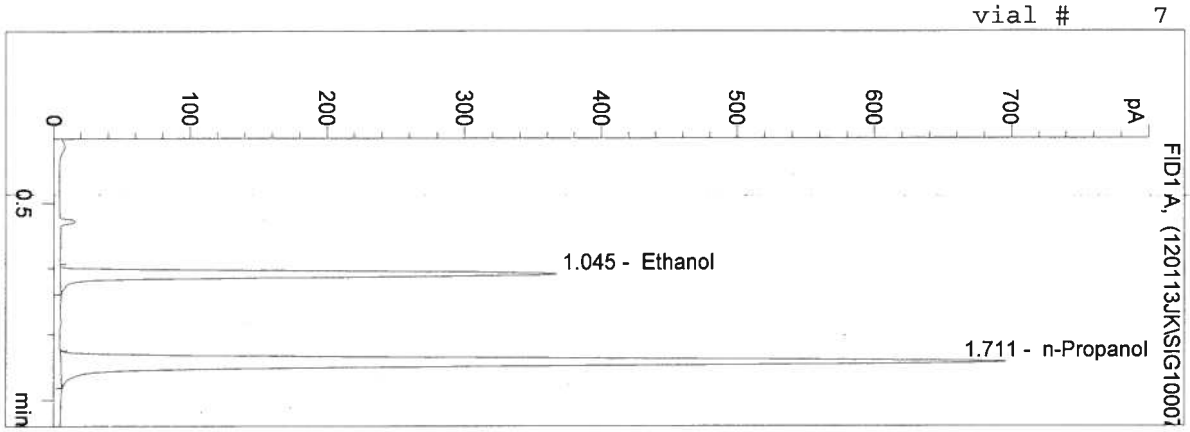
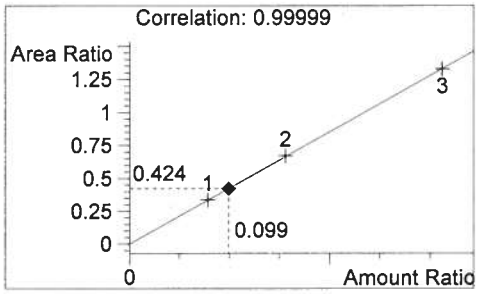
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

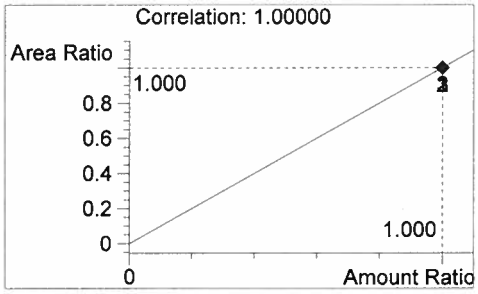
vial # 7



#	Compound	Area	RT
1	Ethanol	1187	1.045
2	n-Propanol	2797	1.711
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

2005

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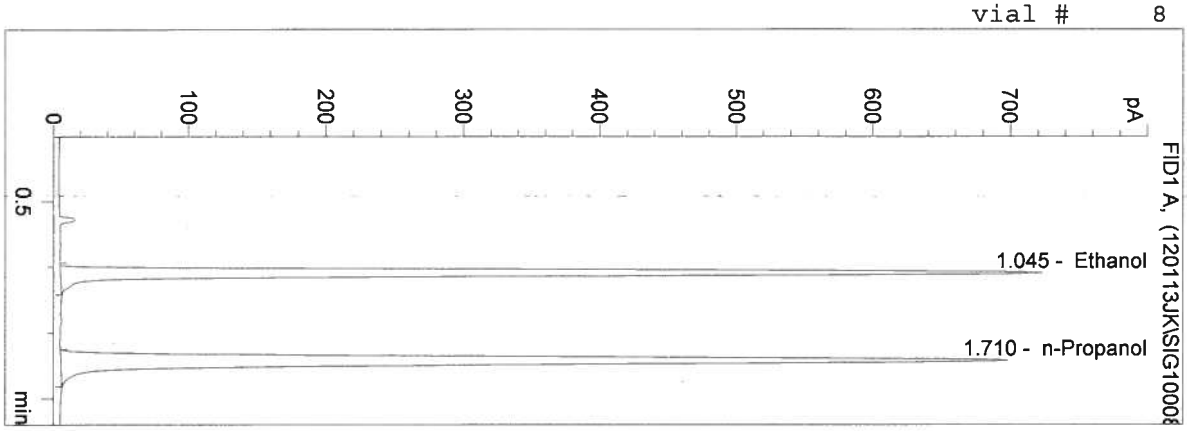
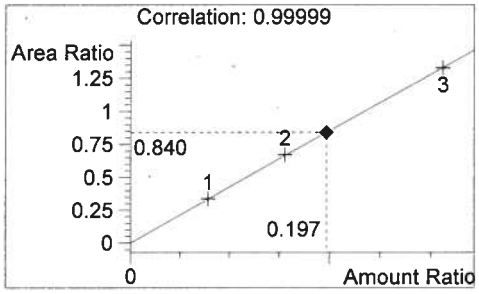
1/13/2012 10:59:09 AM
Instrument 1
DB-ALC1

0.20 CTRL JK
Justin Knoy

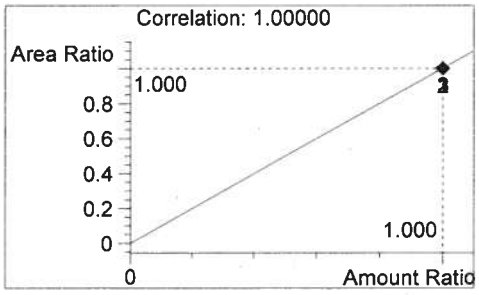
vial # 8



#	Compound	Area	RT
1	Ethanol	2349	1.045
2	n-Propanol	2799	1.710
Tot			



Ethanol 0.197 g/100 mL



n-Propanol 1.000 g/100 mL

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JK

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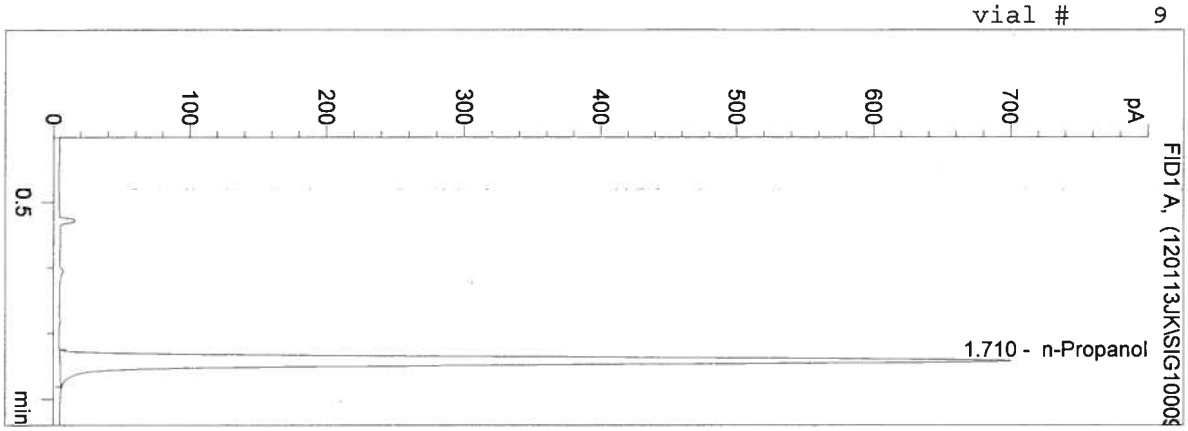
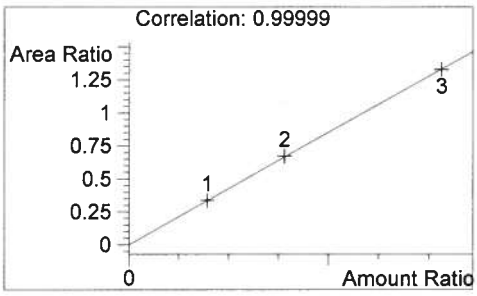
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

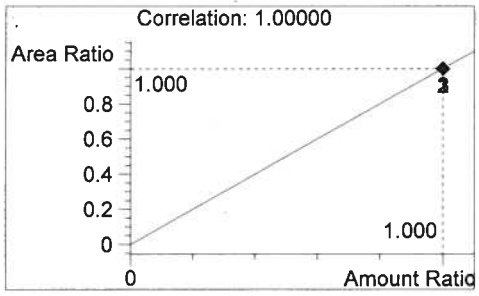
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2813	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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Instrument 1
DB-ALC1

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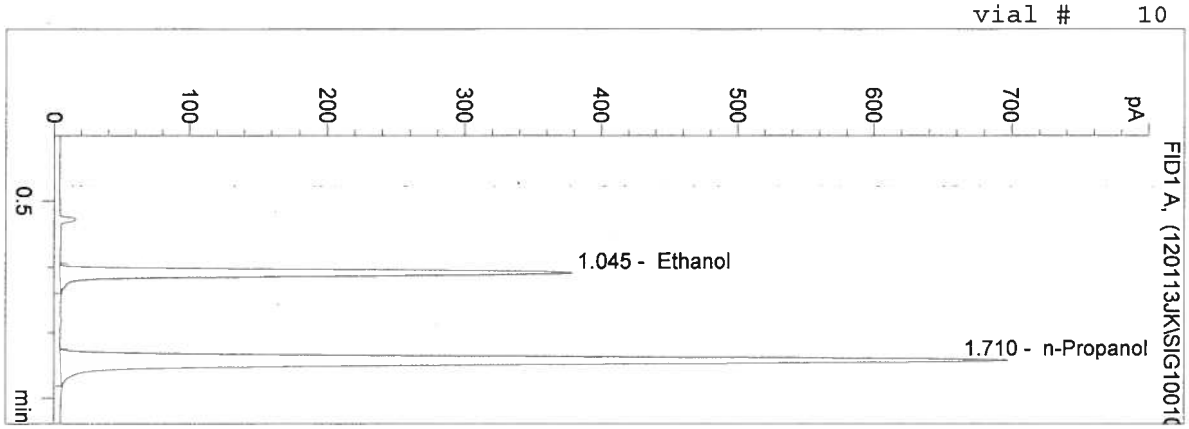
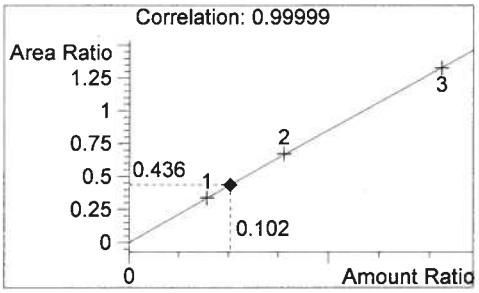
Justin Knoy

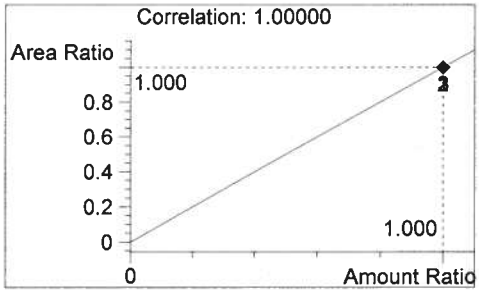
vial # 10



#	Compound	Area	RT
1	Ethanol	1220	1.045
2	n-Propanol	2797	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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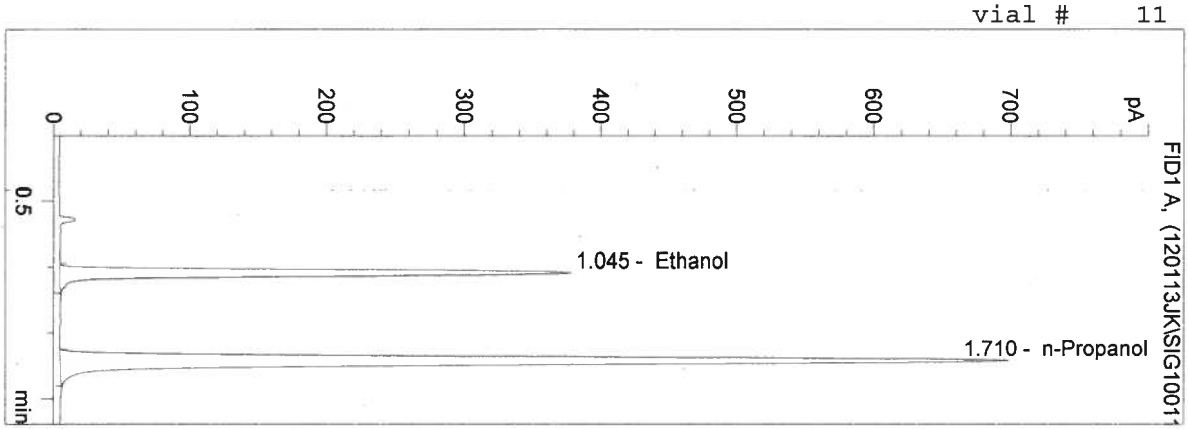
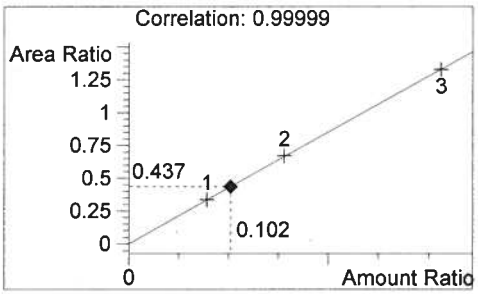
1/13/2012 11:08:23 AM
Instrument 1
DB-ALC1

12005-2
Justin Knoy

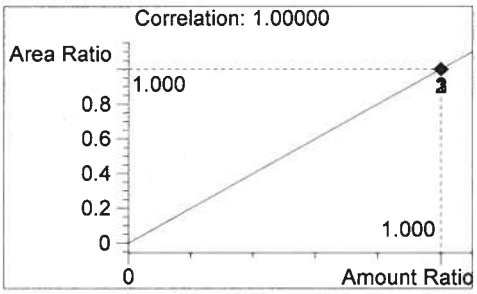
vial # 11



#	Compound	Area	RT
1	Ethanol	1222	1.045
2	n-Propanol	2798	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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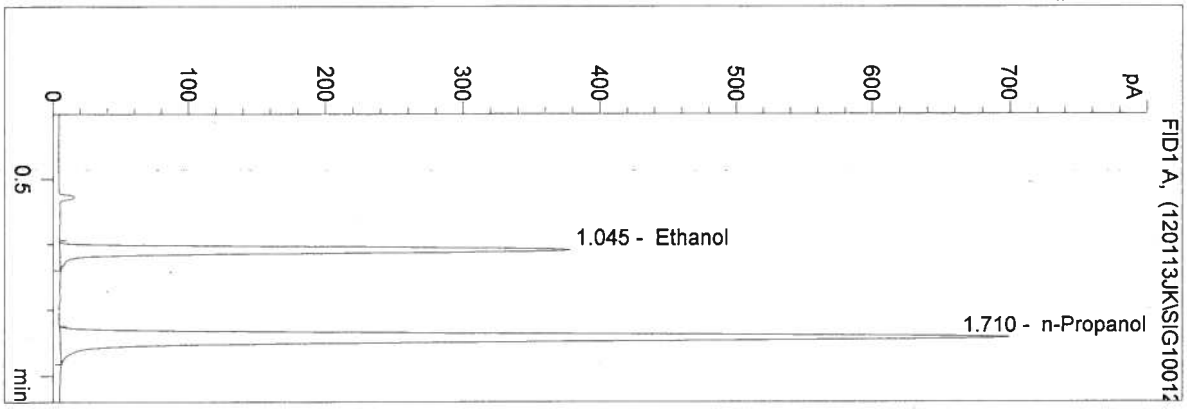
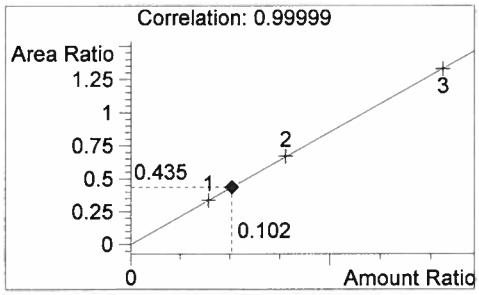
1/13/2012 11:11:28 AM
Instrument 1
DB-ALC1

12005-3
Justin Knoy

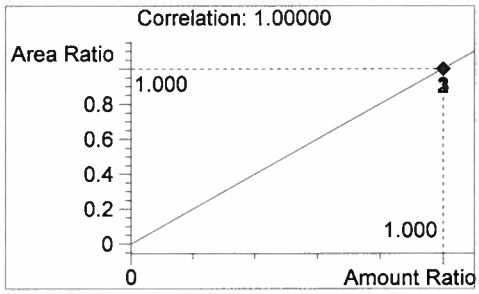
vial # 12



#	Compound	Area	RT
1	Ethanol	1220	1.045
2	n-Propanol	2803	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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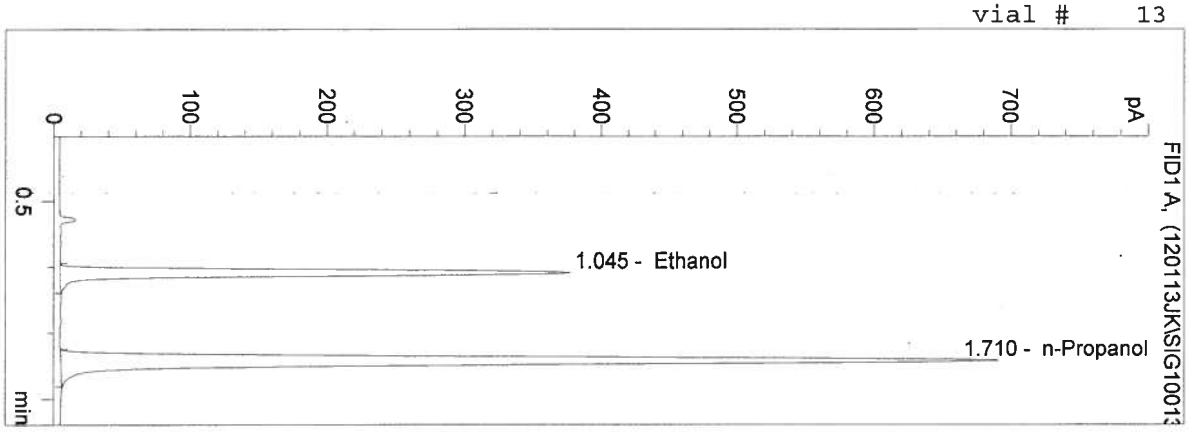
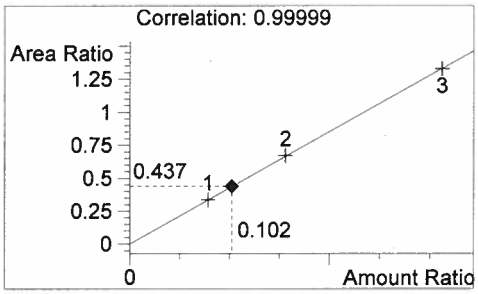
1/13/2012 11:14:32 AM
Instrument 1
DB-ALC1

12005-4
Justin Knoy

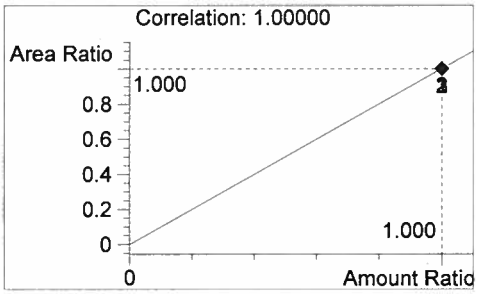
vial # 13



#	Compound	Area	RT
1	Ethanol	1209	1.045
2	n-Propanol	2767	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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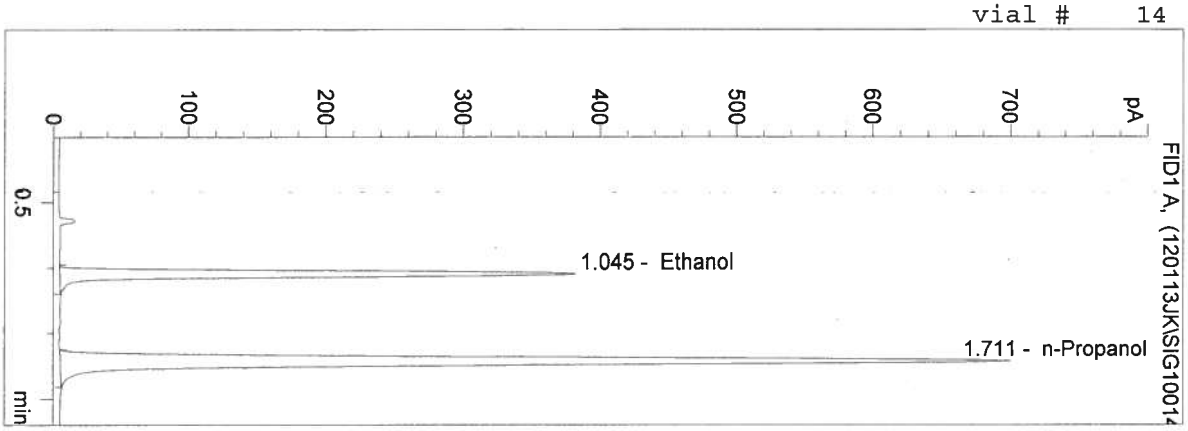
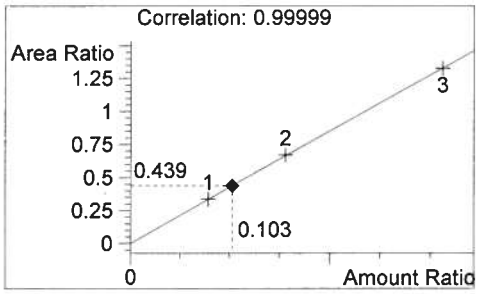
1/13/2012 11:17:37 AM
Instrument 1
DB-ALC1

12005-5
Justin Knoy

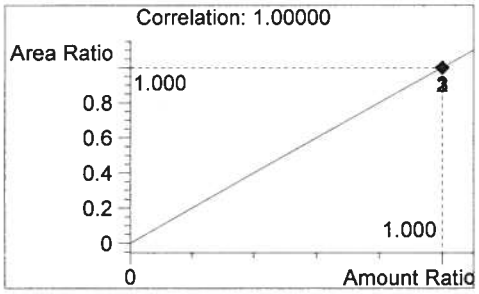
vial # 14



#	Compound	Area	RT
1	Ethanol	1233	1.045
2	n-Propanol	2808	1.711
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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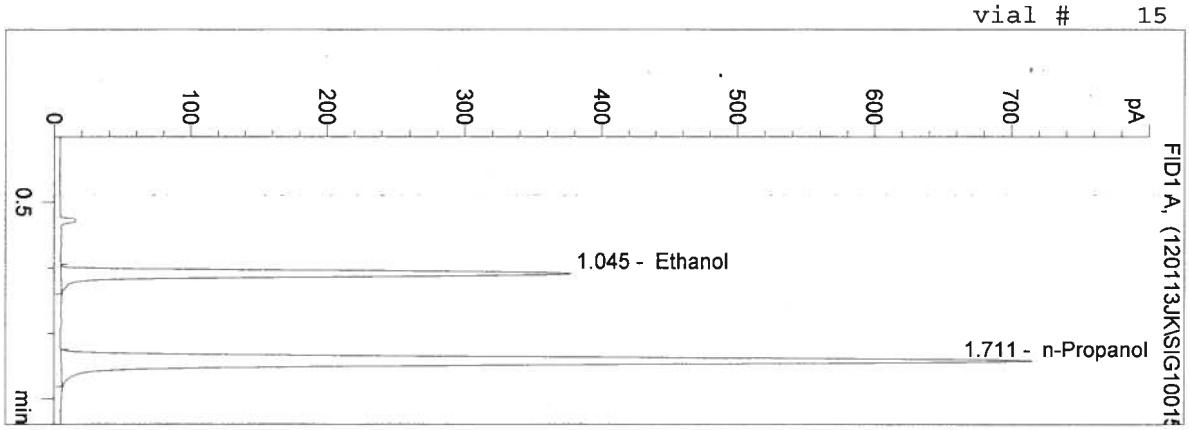
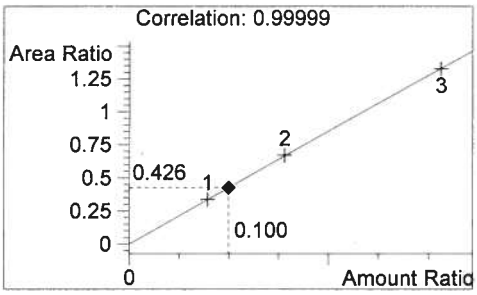
1/13/2012 11:20:42 AM
Instrument 1
DB-ALC1

0.10 CTRL JK
Justin Knoy

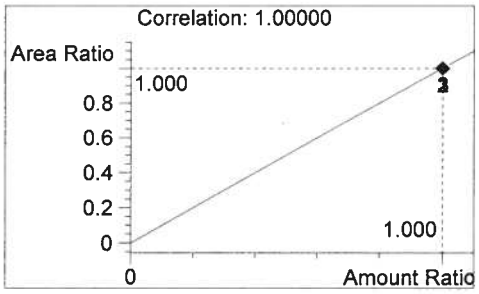
vial # 15



#	Compound	Area	RT
1	Ethanol	1224	1.045
2	n-Propanol	2874	1.711
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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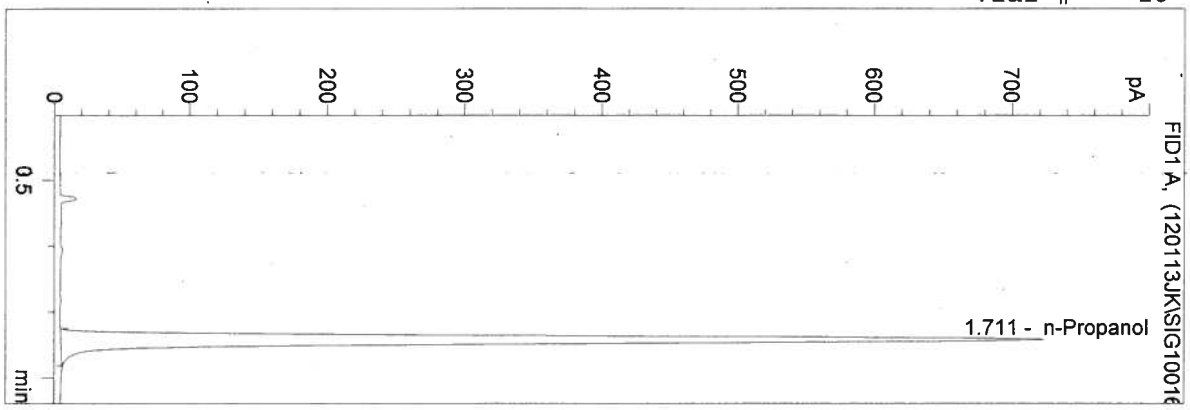
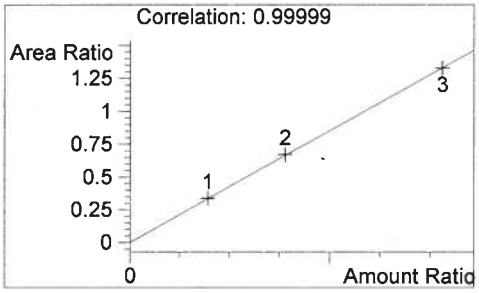
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 11:23:46 AM
Instrument 1
DB-ALC1

NEG CTRL JK
Justin Knoy

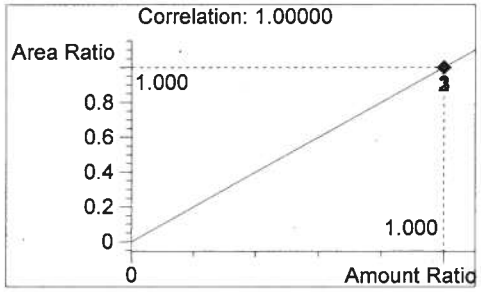
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2905	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

Sequence Parameters:

Operator:	Dawn Cox
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120113DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 Lot# E1111-01 Exp 02/10/2012
Cal 2 Lot# E1111-02 Exp 02/10/2012
Cal 3 Lot# E1111-03 Exp 02/10/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E1111-01 Exp 02/10/2012
3	Vial 3	Lot# E1111-02 Exp 02/10/2012
4	Vial 4	Lot# E1111-03 Exp 02/10/2012
5	Vial 5	
6	Vial 6	Lot# A077459
7	Vial 7	Lot# A075806
8	Vial 8	Lot# A076521
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12005

DC

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

Line	Location	Sample Information
15	Vial 15	Lot# A075806
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	12005 #1	SIMALC1	1	Sample		
11	Vial 11	12005 #2	SIMALC1	1	Sample		
12	Vial 12	12005 #3	SIMALC1	1	Sample		
13	Vial 13	12005 #4	SIMALC1	1	Sample		
14	Vial 14	12005 #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!

12005

dc

Calibration Table

Calib. Data Modified : Friday, January 13, 2012 9:25:12 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.045	1	1	7.86300e-2	927.11469	8.48115e-5	1		Ethanol
		2	1.55890e-1	1902.96313	8.19196e-5			
		3	3.12180e-1	3786.59424	8.24435e-5			
1.710	1	1	1.00000	2752.61914	3.63290e-4	I1		n-Propanol
		2	1.00000	2827.01563	3.53730e-4			
		3	1.00000	2836.74561	3.52517e-4			

Peak Sum Table

No Entries in table

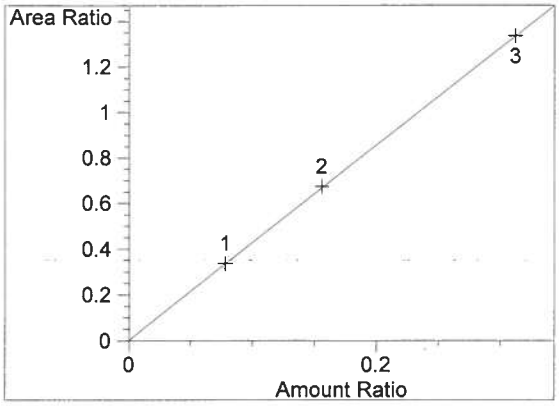
12000

DC

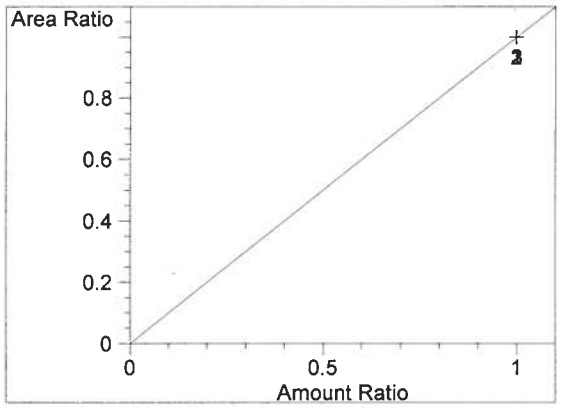
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00391
Formula: y = mx + b
m: 4.27758
b: 1.55846e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12005

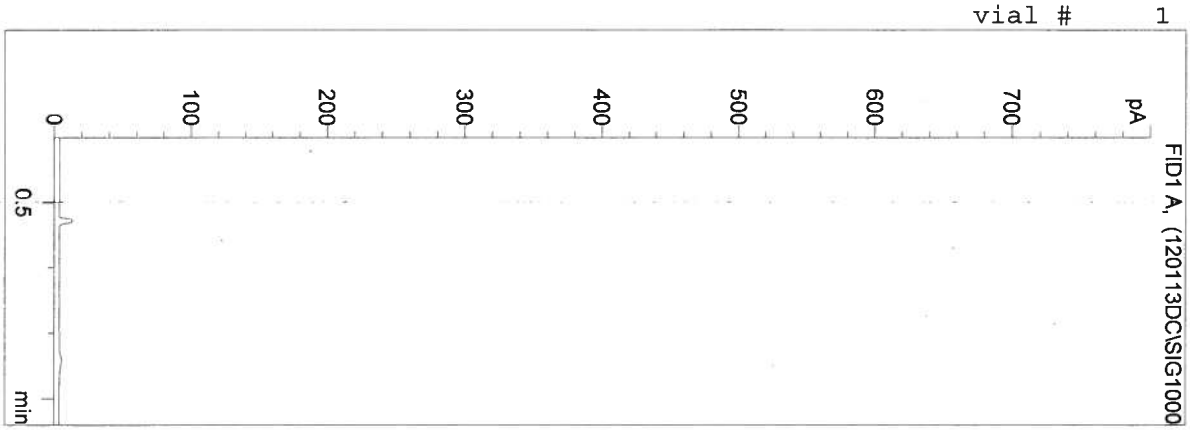
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

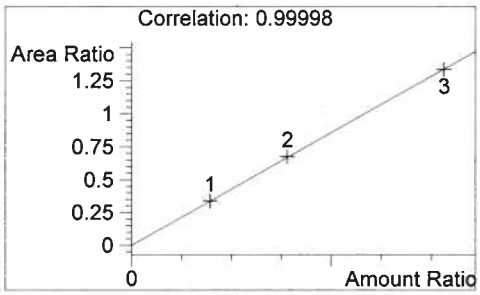
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:13:45 AM
Instrument 1
DB-ALC1

BLANK
Dawn Cox

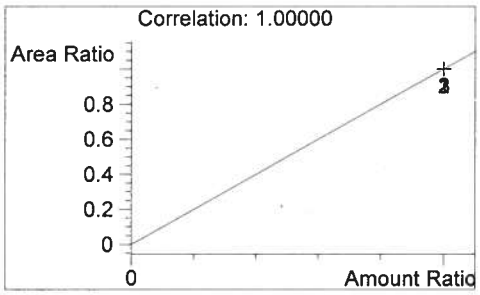
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12005

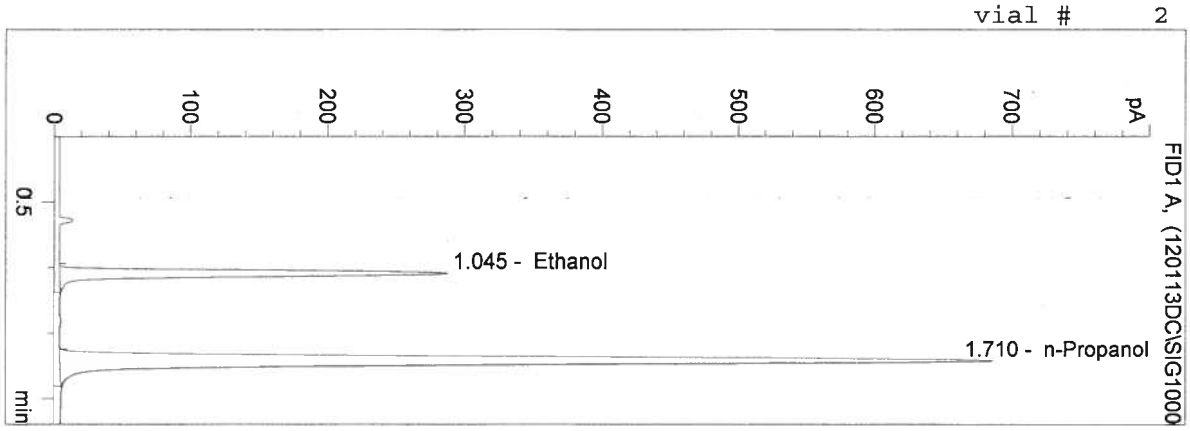
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

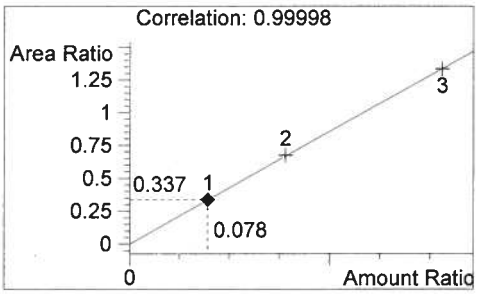
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:16:50 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Dawn Cox

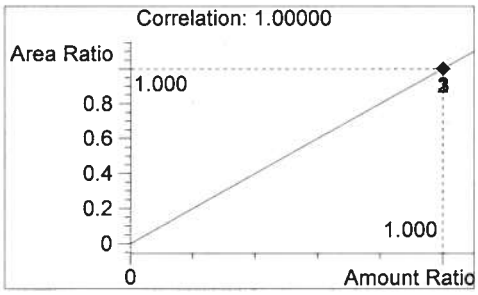
vial # 2



#	Compound	Area	RT
1	Ethanol	927	1.045
2	n-Propanol	2753	1.710
Tot			



Ethanol 0.078 g/100 mL



n-Propanol 1.000 g/100 mL

12005

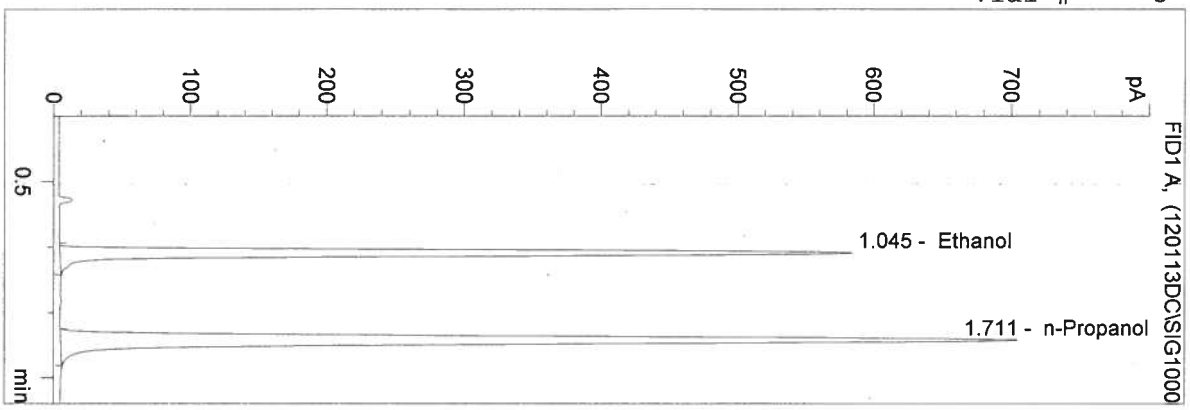
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

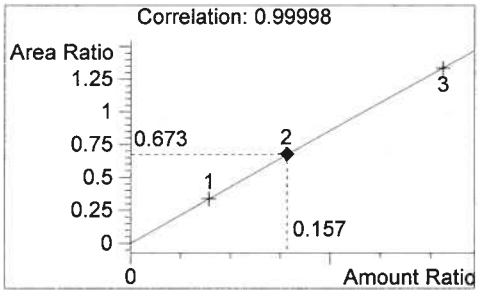
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:19:55 AM
Instrument 1
DB-ALC1

0.158 CAL 2
Dawn Cox

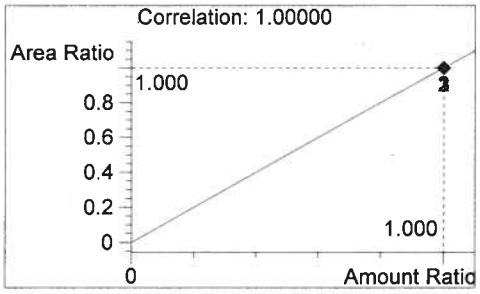
vial # 3



#	Compound	Area	RT
1	Ethanol	1903	1.045
2	n-Propanol	2827	1.711
Tot			



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

12005

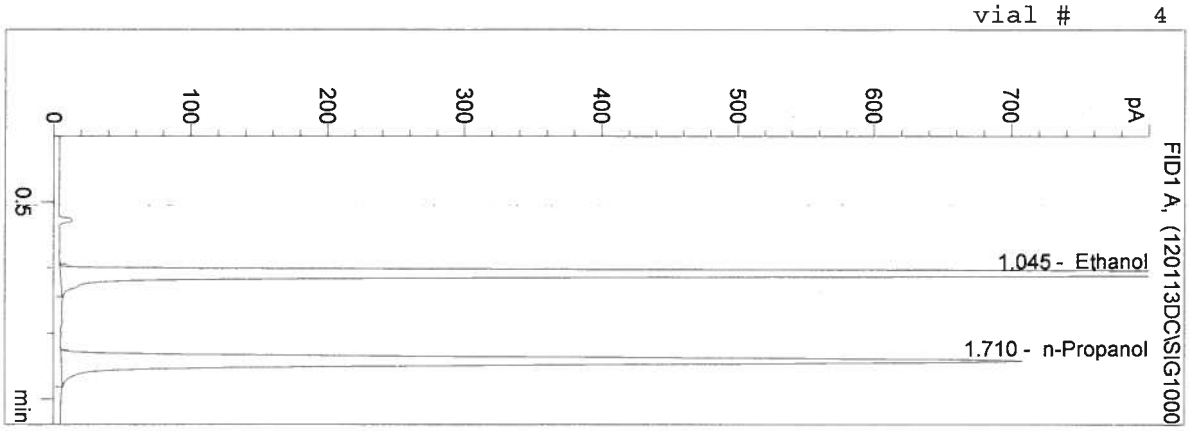
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

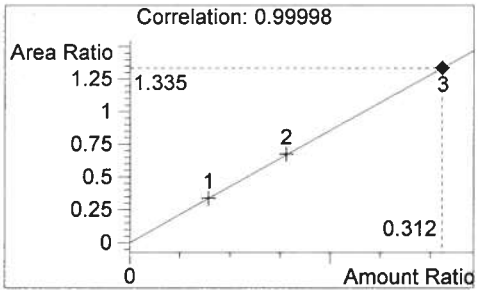
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:22:59 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Dawn Cox

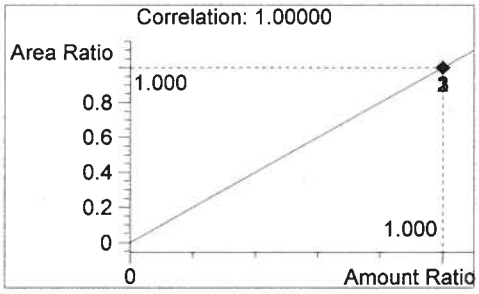
vial # 4



#	Compound	Area	RT
1	Ethanol	3787	1.045
2	n-Propanol	2837	1.710
Tot			



Ethanol 0.312 g/100 mL



n-Propanol 1.000 g/100 mL

12005

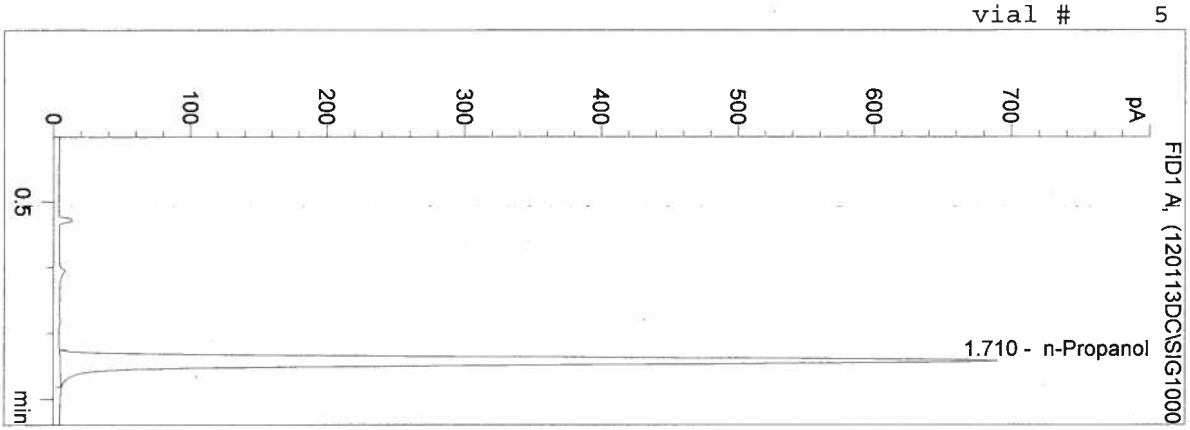
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

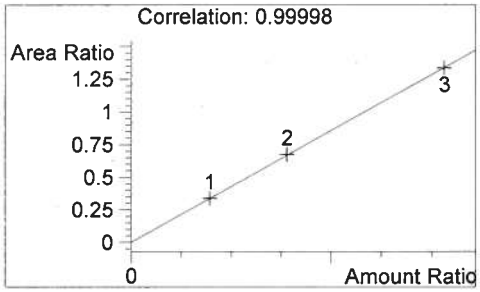
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:26:04 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

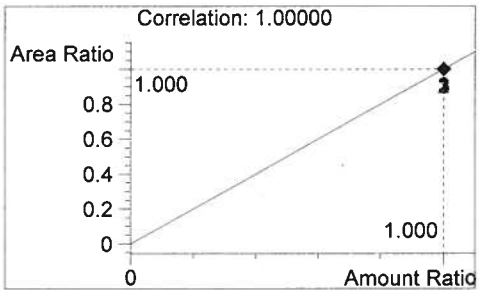
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2769	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

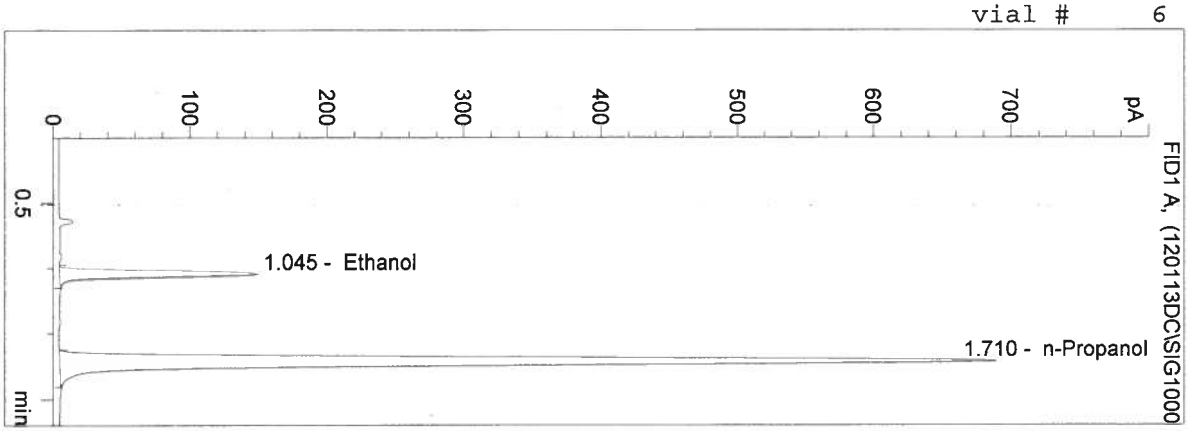
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

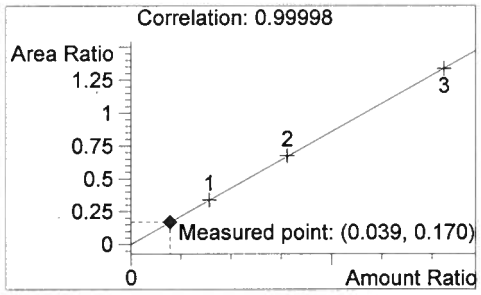
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:29:08 AM
Instrument 1
DB-ALC1

0.04 CTRL-DC
Dawn Cox

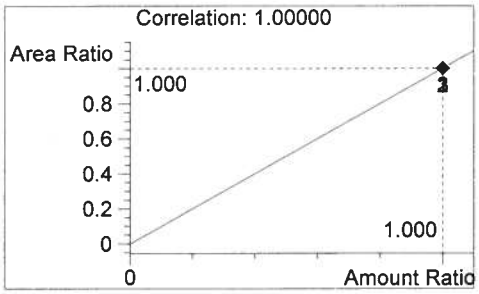
vial # 6



#	Compound	Area	RT
1	Ethanol	469	1.045
2	n-Propanol	2764	1.710
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12005

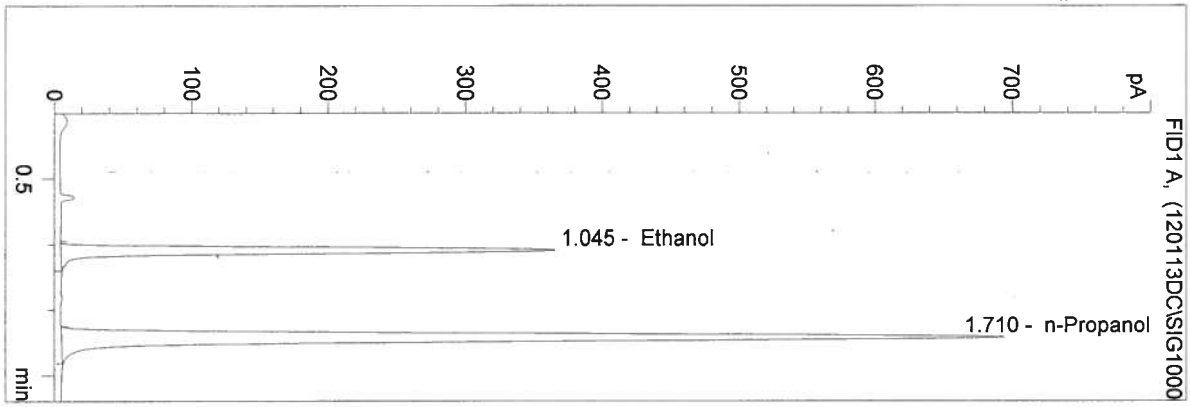
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

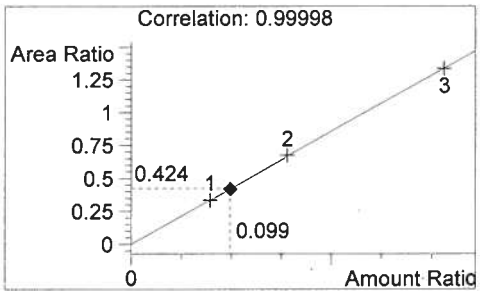
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:32:13 AM
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

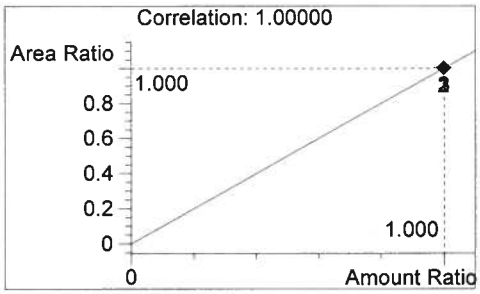
vial # 7



#	Compound	Area	RT
1	Ethanol	1180	1.045
2	n-Propanol	2787	1.710
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

12005

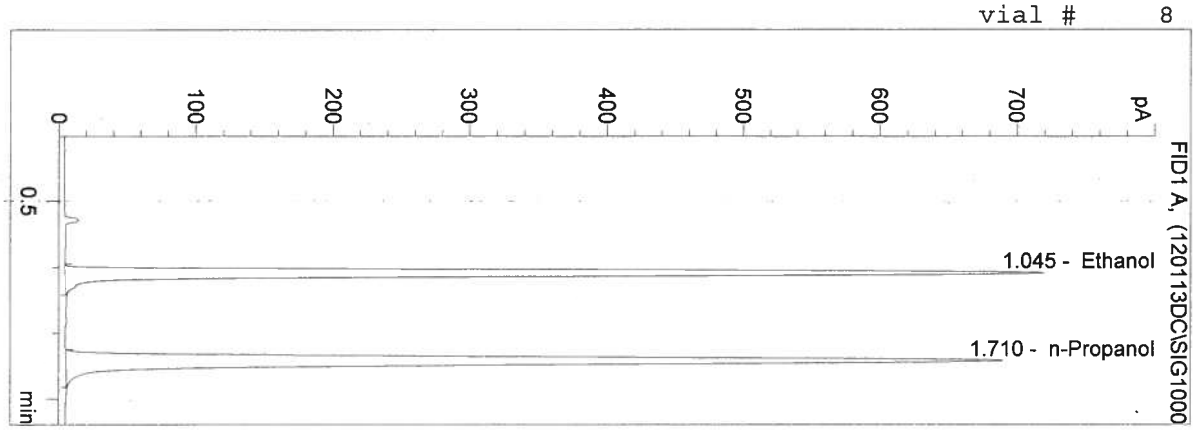
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

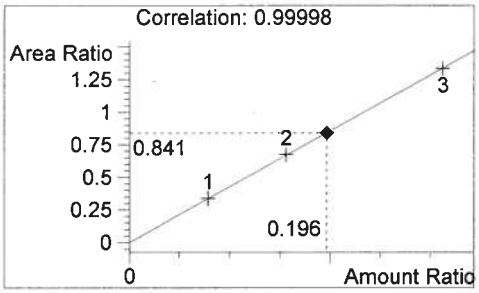
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:35:18 AM
Instrument 1
DB-ALC1

0.20 CTRL-DC
Dawn Cox

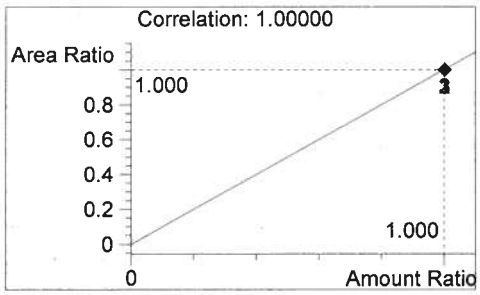
vial # 8



#	Compound	Area	RT
1	Ethanol	2324	1.045
2	n-Propanol	2763	1.710
Tot			



Ethanol 0.196 g/100 mL



n-Propanol 1.000 g/100 mL

12005

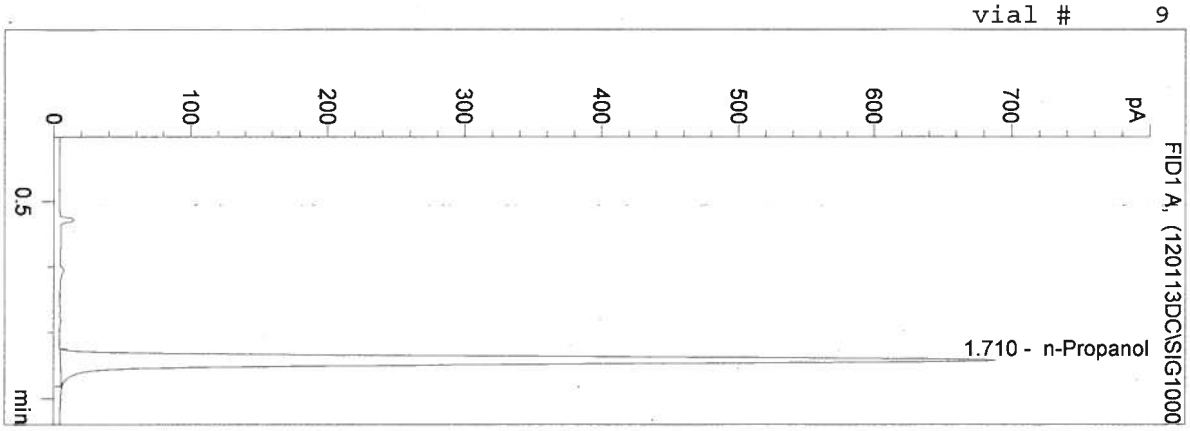
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

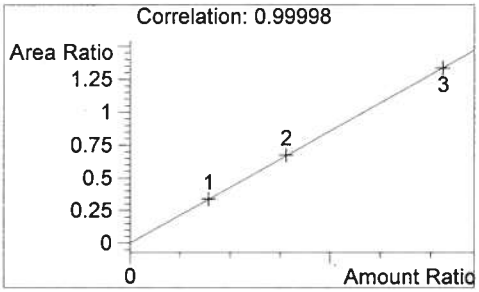
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:38:23 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

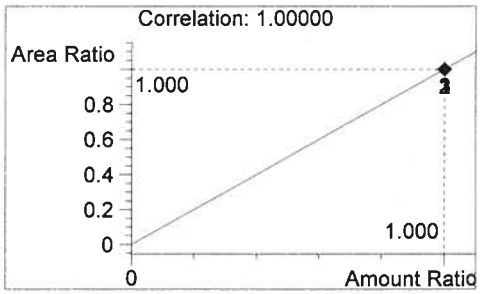
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2766	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

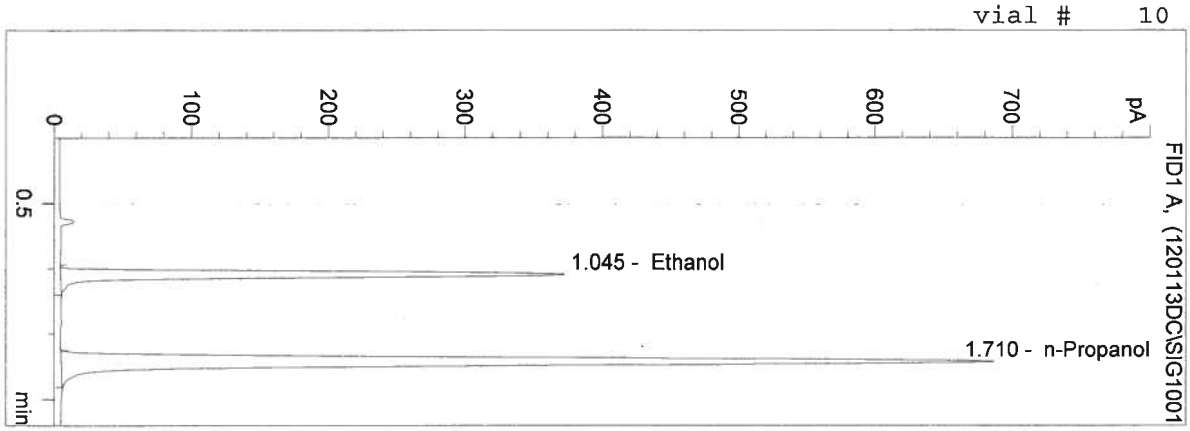
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

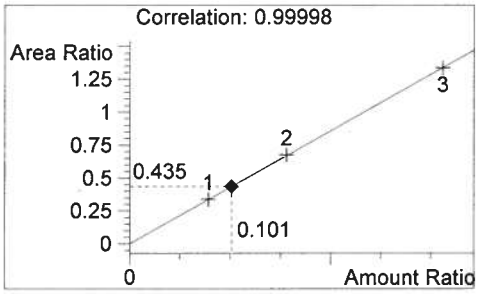
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:41:27 AM
Instrument 1
DB-ALC1

12005 #1
Dawn Cox

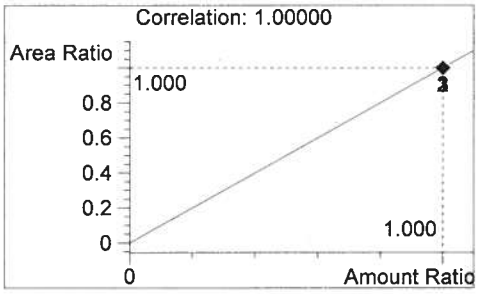
vial # 10



#	Compound	Area	RT
1	Ethanol	1201	1.045
2	n-Propanol	2759	1.710
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

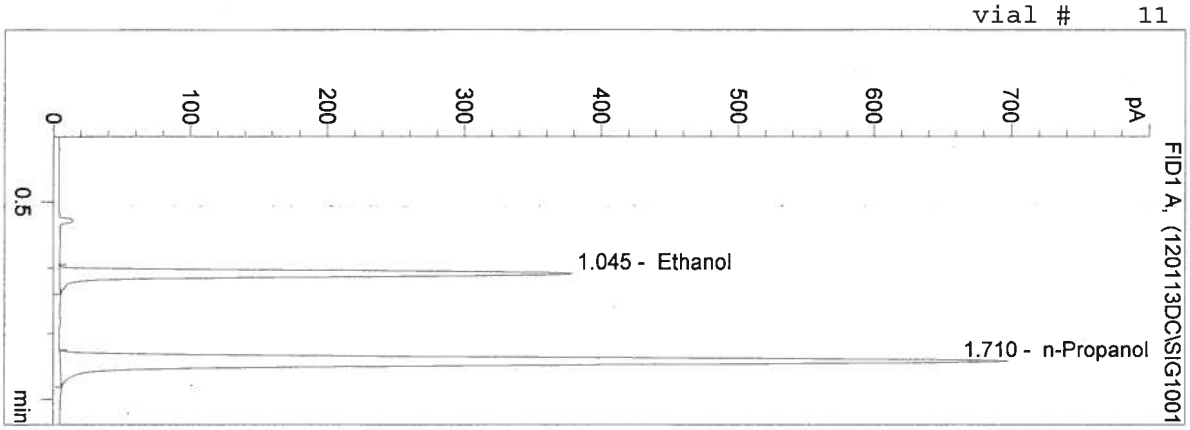
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

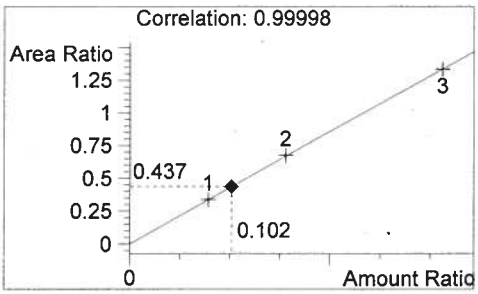
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:44:32 AM
Instrument 1
DB-ALC1

12005 #2
Dawn Cox

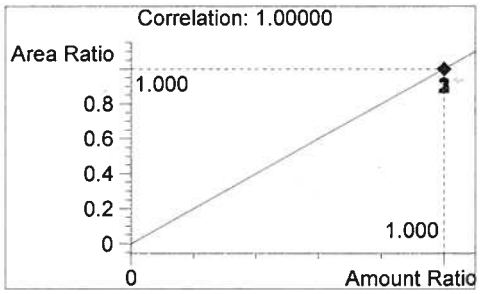
vial # 11



#	Compound	Area	RT
1	Ethanol	1226	1.045
2	n-Propanol	2803	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

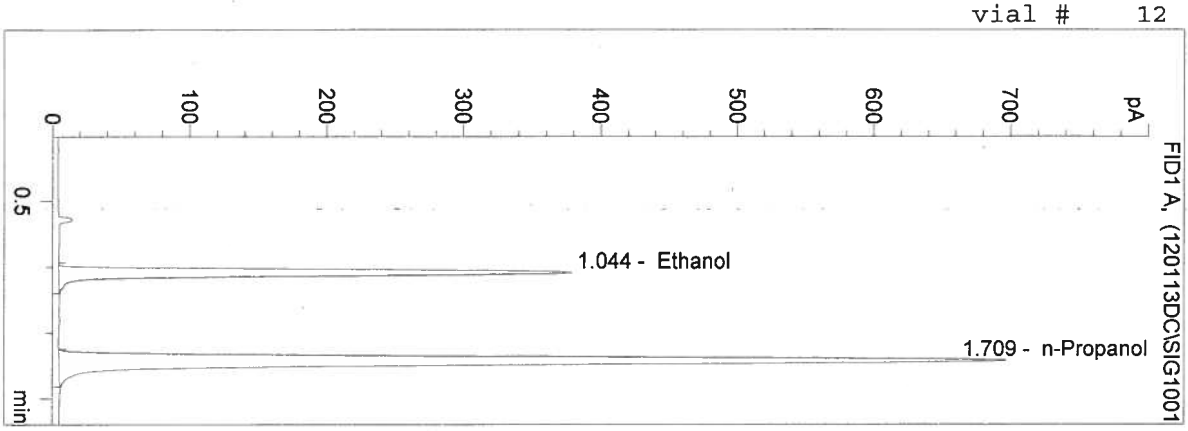
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

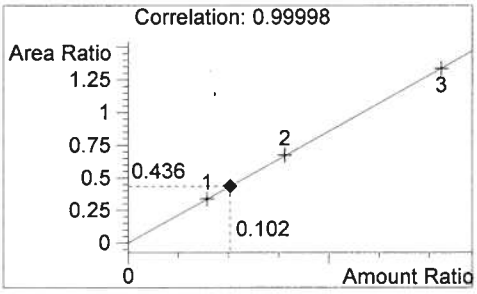
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:47:37 AM
Instrument 1
DB-ALC1

12005 #3
Dawn Cox

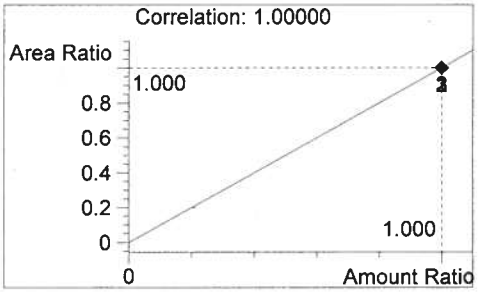
vial # 12



#	Compound	Area	RT
1	Ethanol	1219	1.044
2	n-Propanol	2796	1.709
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

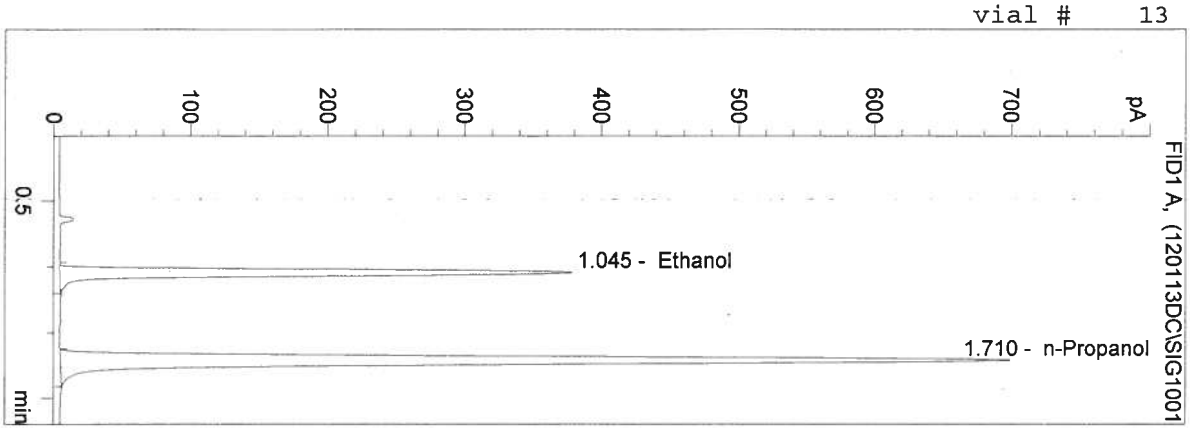
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

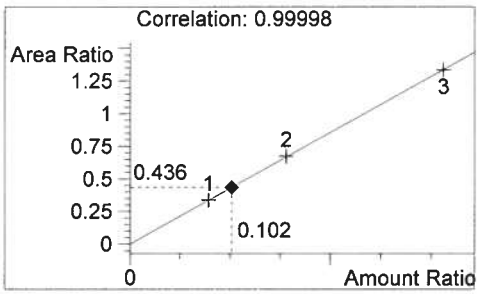
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:50:41 AM
Instrument 1 .
DB-ALC1

12005 #4
Dawn Cox

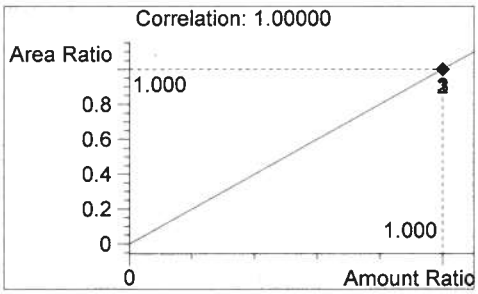
vial # 13



#	Compound	Area	RT
1	Ethanol	1223	1.045
2	n-Propanol	2806	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

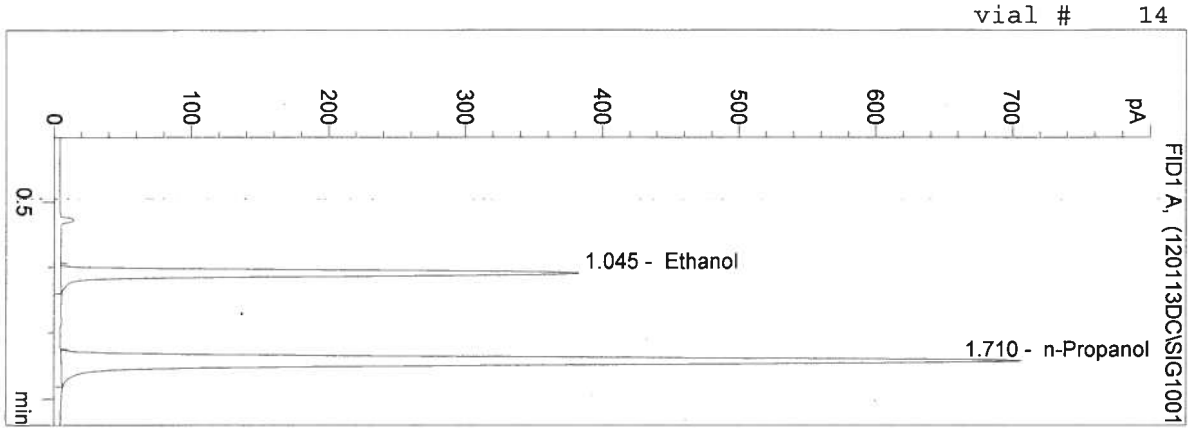
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

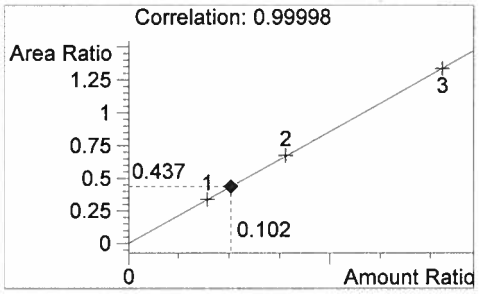
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:53:46 AM
Instrument 1
DB-ALC1

12005 #5
Dawn Cox

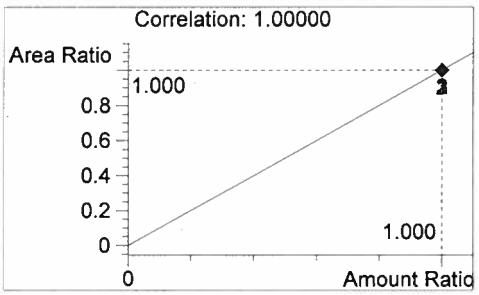
vial # 14



#	Compound	Area	RT
1	Ethanol	1239	1.045
2	n-Propanol	2835	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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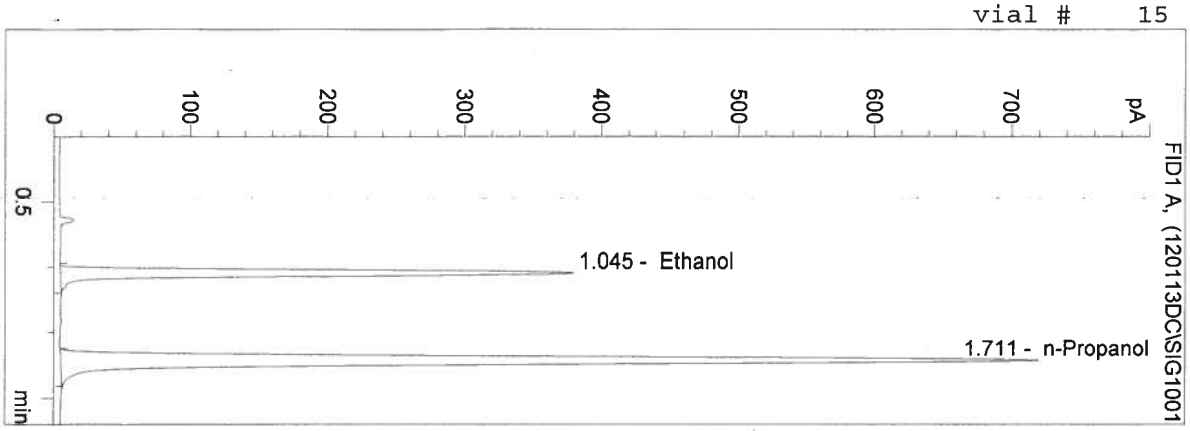
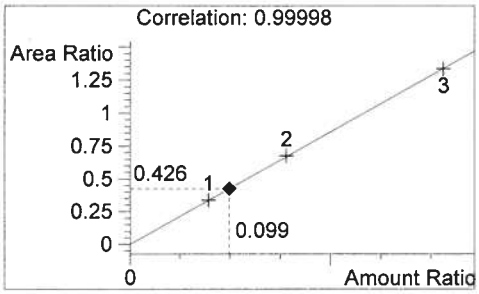
1/13/2012 9:56:51 AM
Instrument 1
DB-ALC1

0.10 CTRL-DC
Dawn Cox

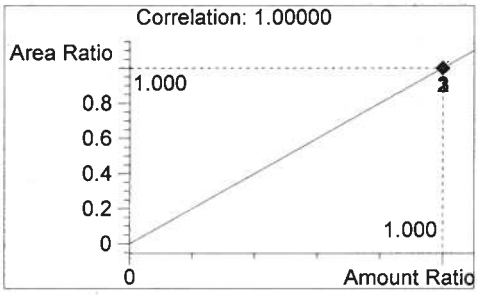
vial # 15



#	Compound	Area	RT
1	Ethanol	1234	1.045
2	n-Propanol	2893	1.711
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

12005

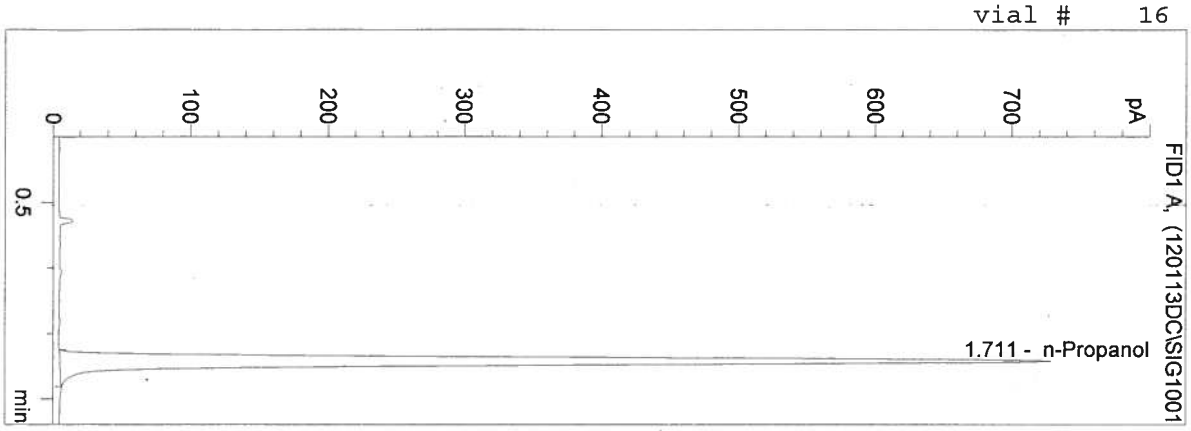
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

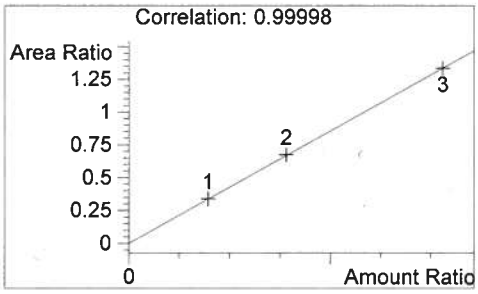
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 9:59:55 AM
Instrument 1
DB-ALC1

NEG CTRL-DC
Dawn Cox

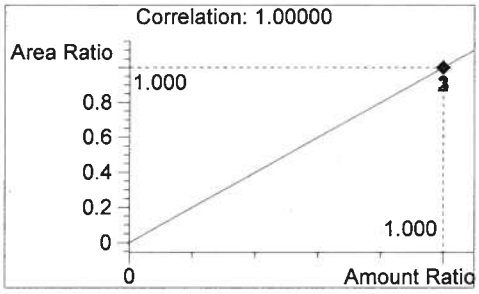
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2923	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

DC

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:	120113SS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	0.079 Calibrator - Lot # E1111-01 - exp 2/10/12
3	Vial 3	0.158 Calibrator - Lot # E1111-02 - exp 2/10/12
4	Vial 4	0.316 Calibrator - Lot # E1111-03 - exp 2/10/12
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	

12005

SMS

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	12005 #1	SIMALC1	1	Sample		
11	Vial 11	12005 #2	SIMALC1	1	Sample		
12	Vial 12	12005 #3	SIMALC1	1	Sample		
13	Vial 13	12005 #4	SIMALC1	1	Sample		
14	Vial 14	12005 #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!

12005

SMS

Calibration Table

Calib. Data Modified : Friday, January 13, 2012 1:40:38 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
1.044	1	1	7.86300e-2	920.18042	8.54506e-5	1		Ethanol
		2	1.55890e-1	1850.15100	8.42580e-5			
		3	3.12180e-1	3670.74268	8.50455e-5			
1.709	1	1	1.00000	2742.09399	3.64685e-4	I1		n-Propanol
		2	1.00000	2776.66333	3.60144e-4			
		3	1.00000	2780.83813	3.59604e-4			

Peak Sum Table

No Entries in table

12005

SMS

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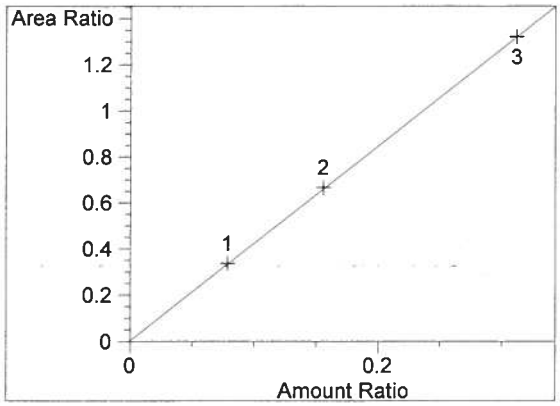
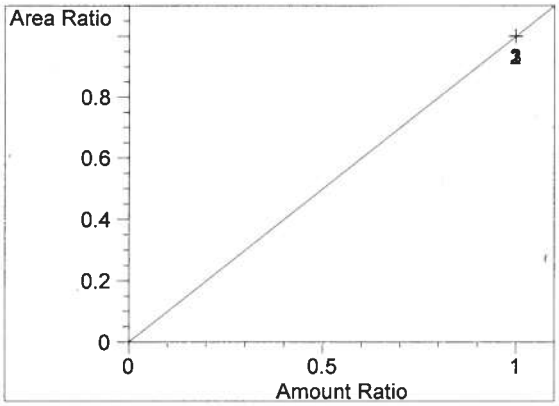
Calibration Curves

==========



Ethanol at exp. RT: 1.044
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00416
Formula: y = mx + b
m: 4.22758
b: 2.67353e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.709
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

==========

12005

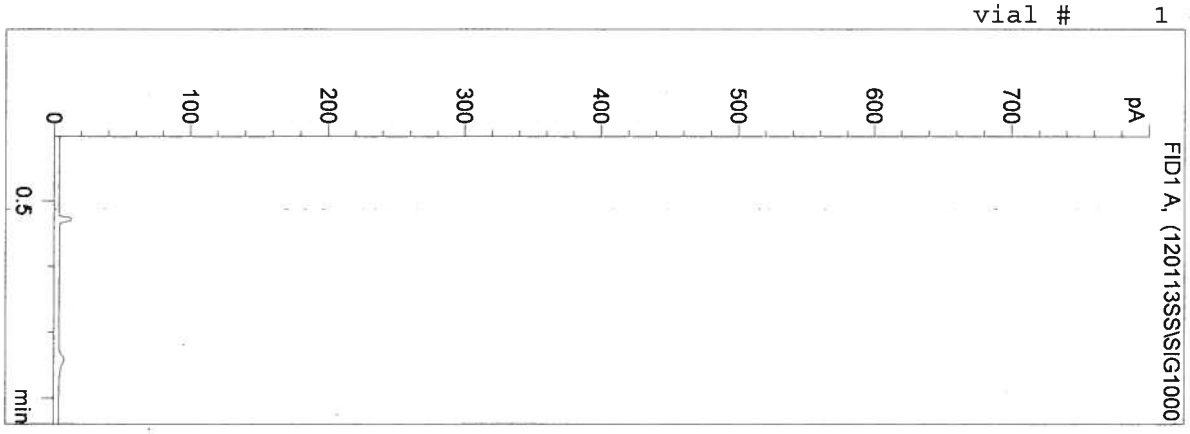
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

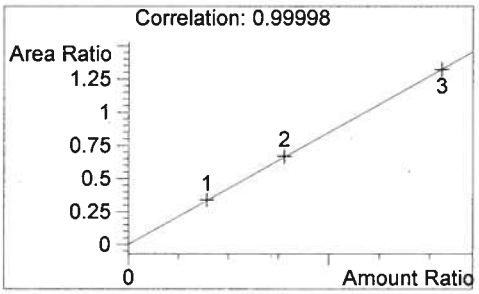
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 1:29:11 PM
Instrument 1
DB-ALC1

BLANK-SS
Sarah Swenson

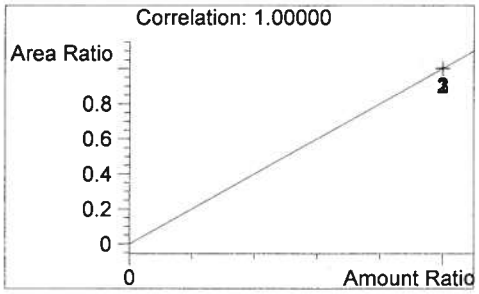
vial # 1



#	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

12005

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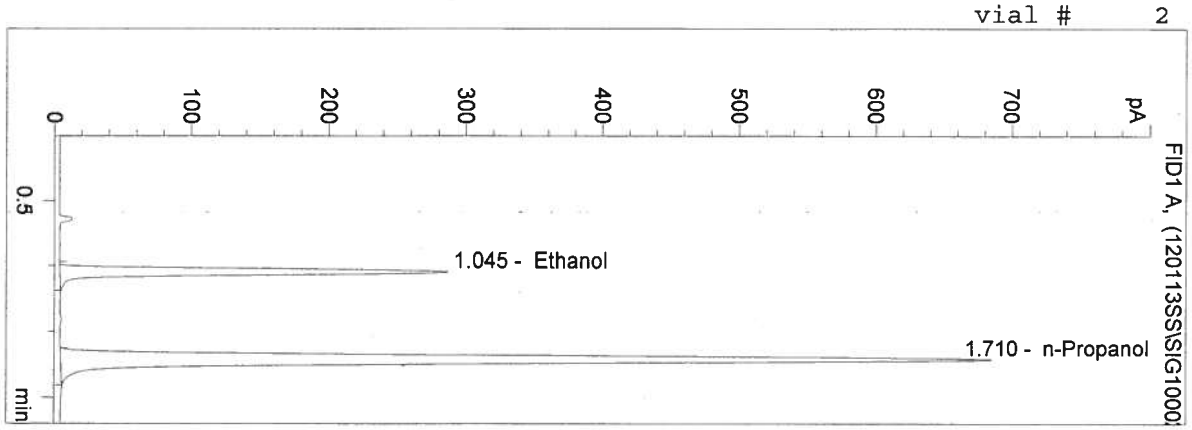
WASHINGTON STATE TOXICOLOGY LABORATORY

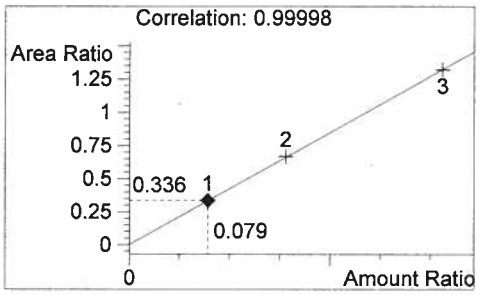
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 1:32:16 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Sarah Swenson

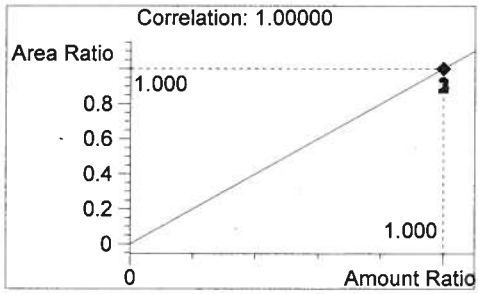
vial # 2



#	Compound	Area	RT
1	Ethanol	920	1.045
2	n-Propanol	2742	1.710
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12005

SMS

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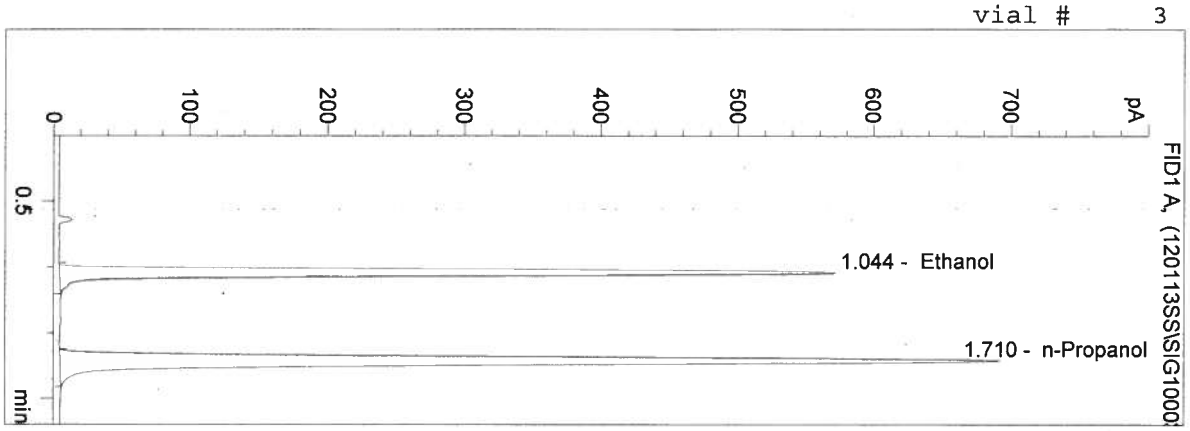
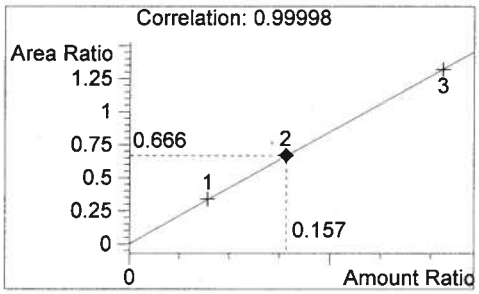
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 1:35:20 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Sarah Swenson

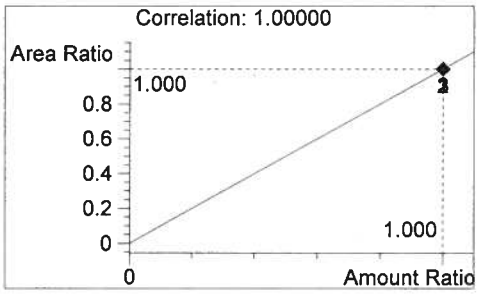
vial # 3



#	Compound	Area	RT
1	Ethanol	1850	1.044
2	n-Propanol	2777	1.710
Tot			



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

12005

SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

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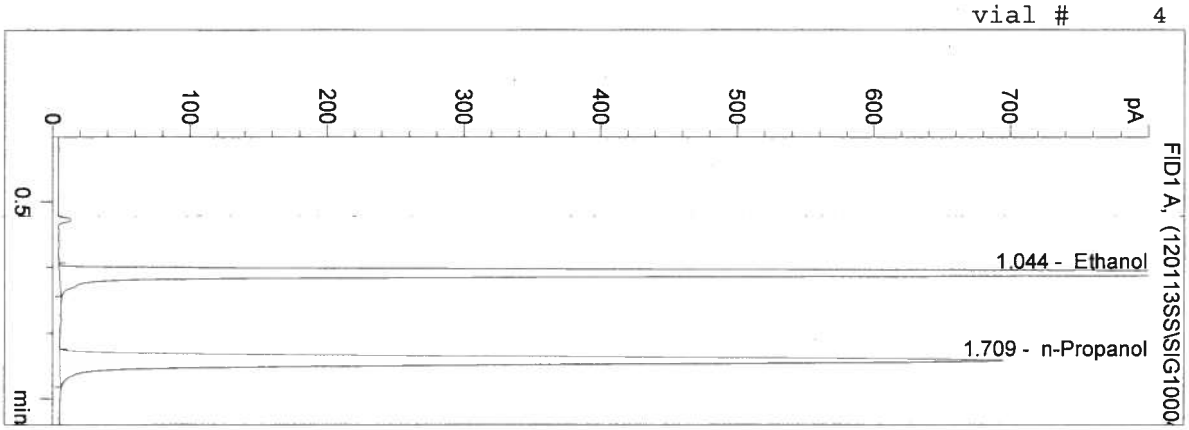
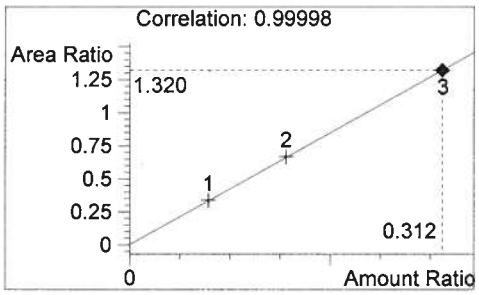
Instrument 1
DB-ALC1

0.316 CAL 3
Sarah Swenson

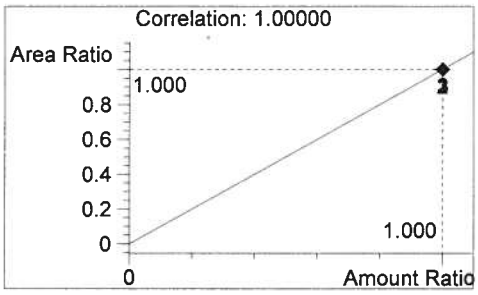
vial # 4



#	Compound	Area	RT
1	Ethanol	3671	1.044
2	n-Propanol	2781	1.709
Tot			



Ethanol 0.312 g/100 mL



n-Propanol 1.000 g/100 mL

12005

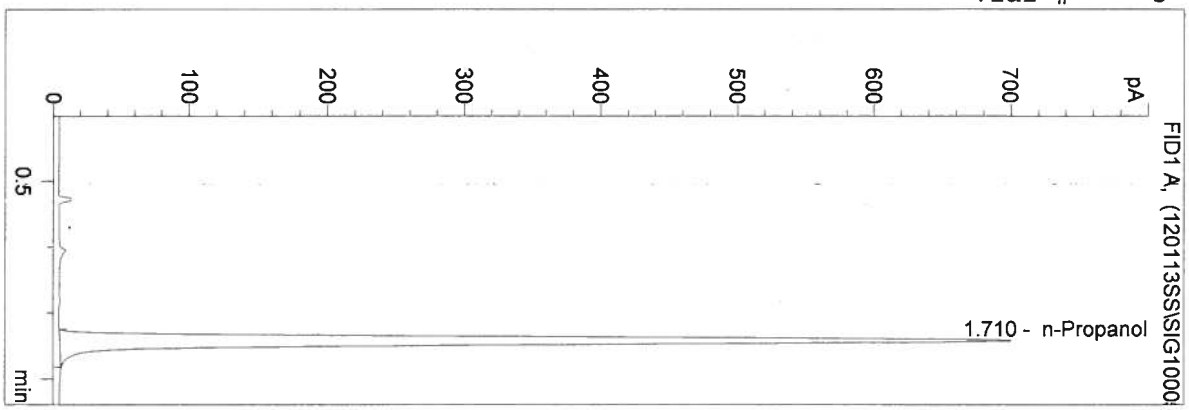
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

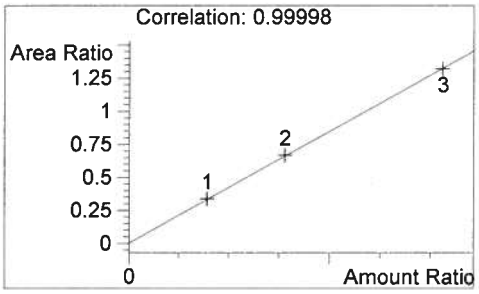
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 1:41:30 PM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

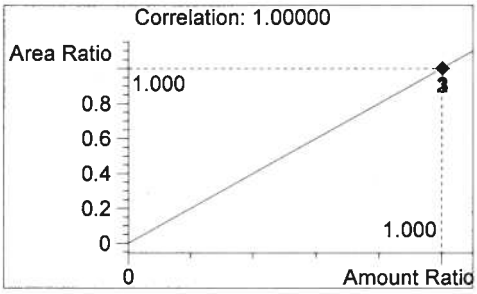
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2813	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

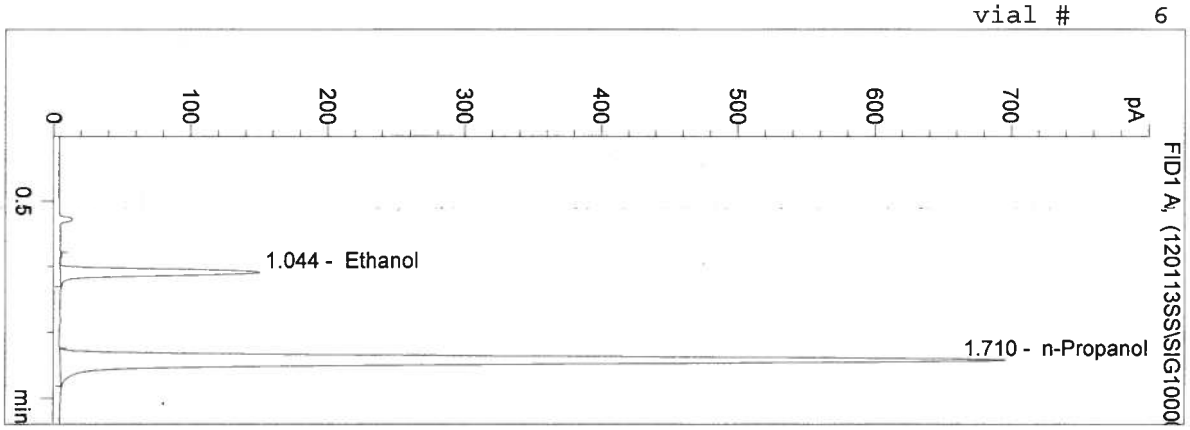
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

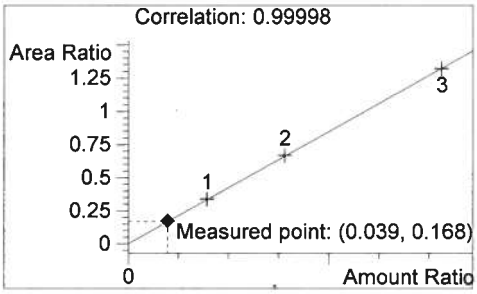
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 1:44:34 PM
Instrument 1
DB-ALC1

0.04 CTRL-SS
Sarah Swenson

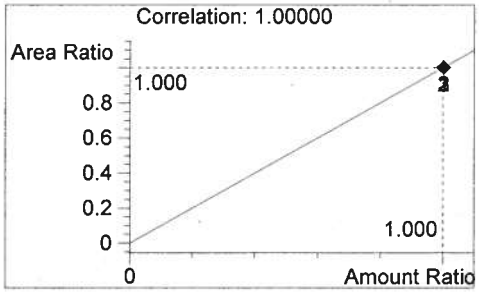
vial # 6



#	Compound	Area	RT
1	Ethanol	469	1.044
2	n-Propanol	2792	1.710
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

12005

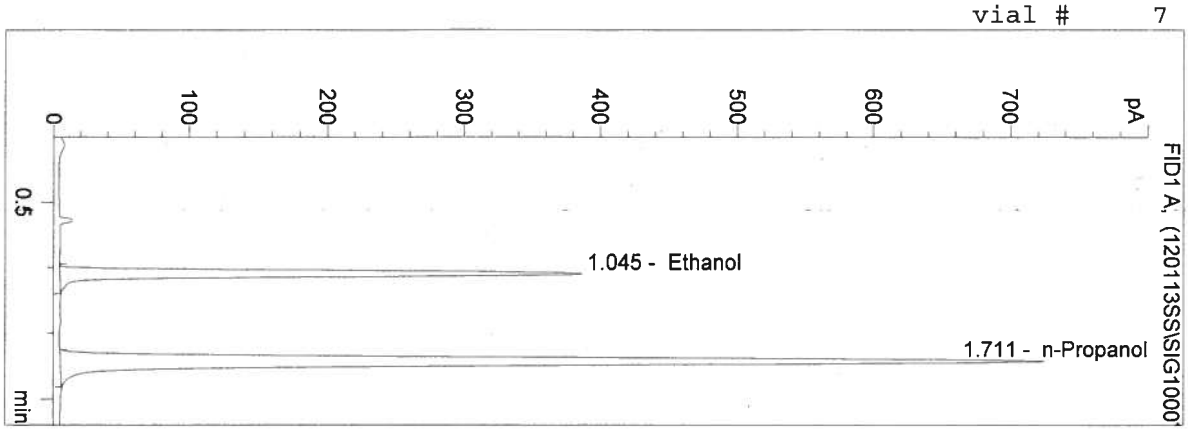
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

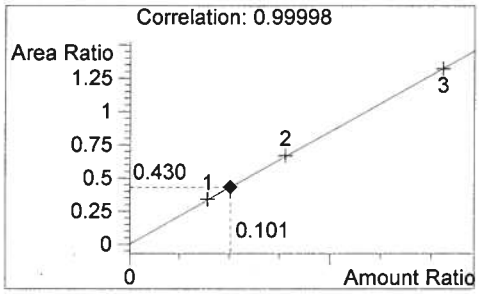
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 1:47:39 PM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

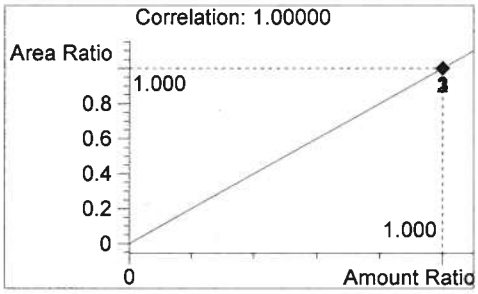
vial # 7



#	Compound	Area	RT
1	Ethanol	1251	1.045
2	n-Propanol	2910	1.711
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

12005

SMS

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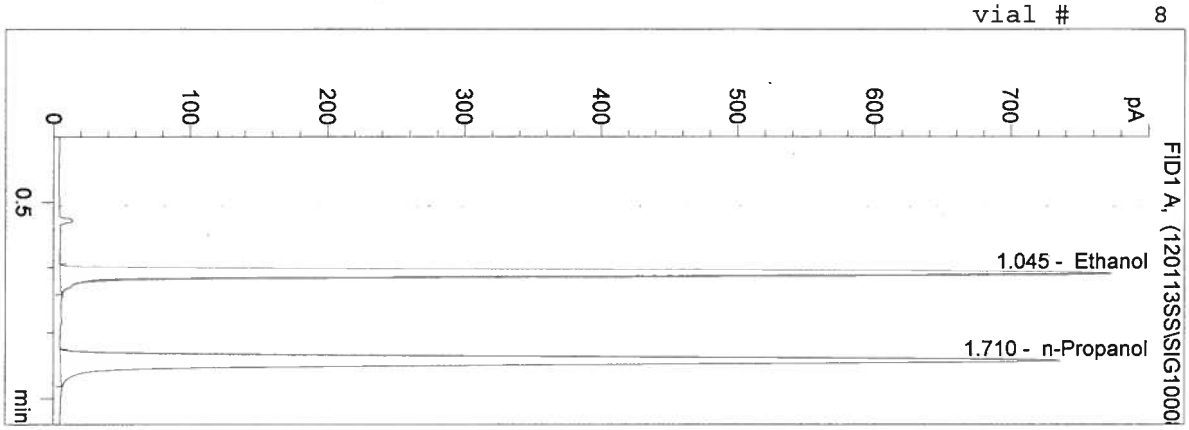
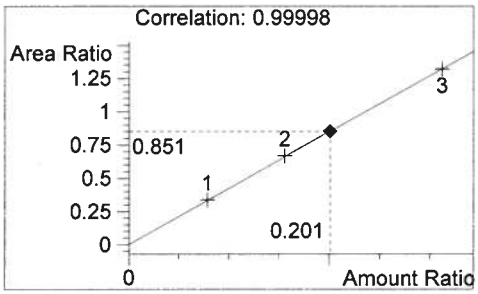
C:\HPCHEM\1\METHODS\SIMALC1.M
1/13/2012 1:50:44 PM
Instrument 1
DB-ALC1

0.20 CTRL-SS
Sarah Swenson

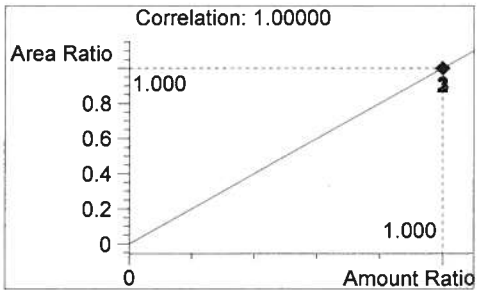
vial # 8



#	Compound	Area	RT
1	Ethanol	2508	1.045
2	n-Propanol	2946	1.710
Tot			



Ethanol 0.201 g/100 mL



n-Propanol 1.000 g/100 mL

12005

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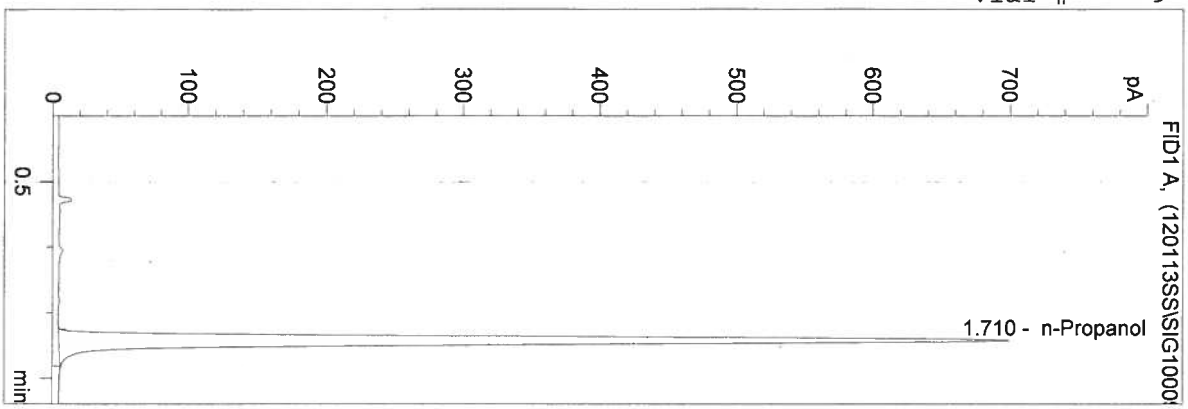
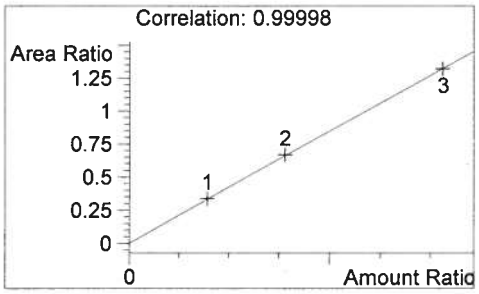
1/13/2012 1:53:49 PM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

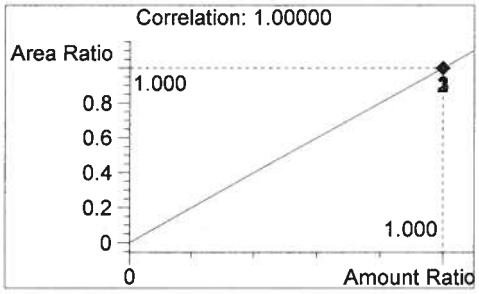
vial # 9



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

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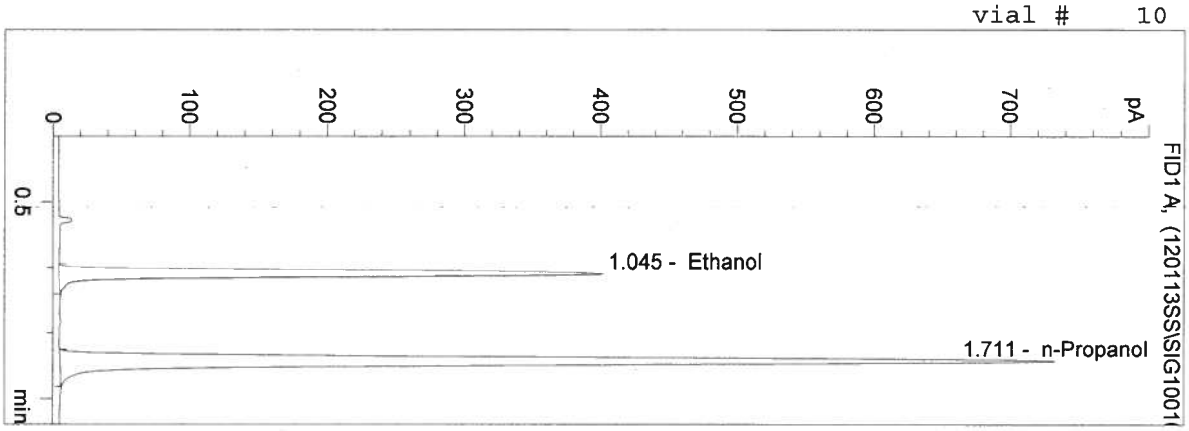
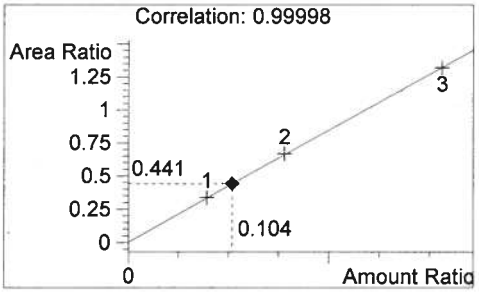
1/13/2012 1:56:53 PM
Instrument 1
DB-ALC1

12005 #1
Sarah Swenson

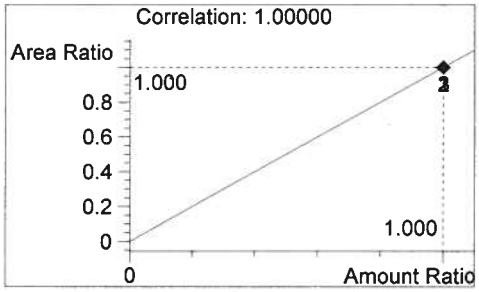
vial # 10



#	Compound	Area	RT
1	Ethanol	1298	1.045
2	n-Propanol	2939	1.711
Tot			



Ethanol 0.104 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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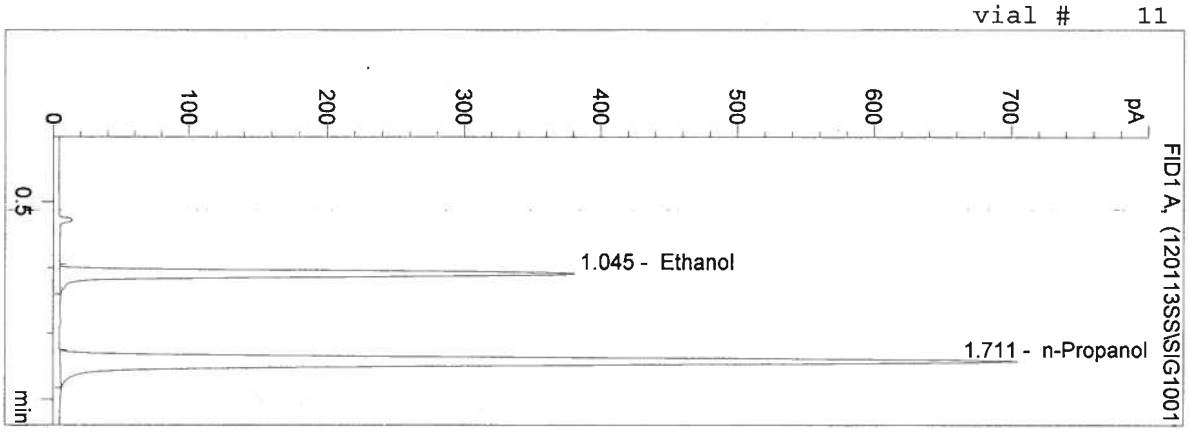
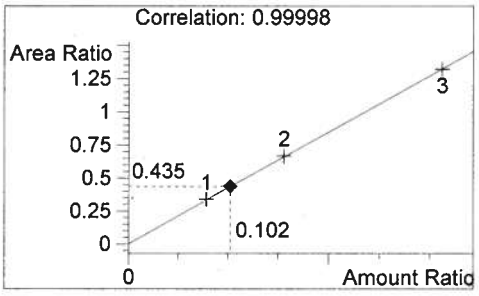
1/13/2012 1:59:58 PM
Instrument 1
DB-ALC1

12005 #2
Sarah Swenson

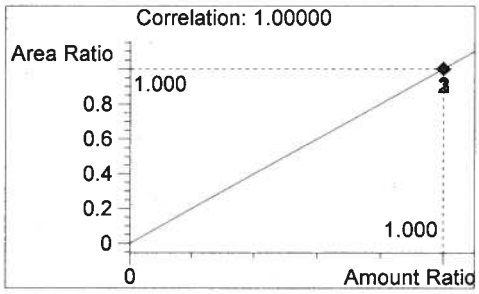
vial # 11



#	Compound	Area	RT
1	Ethanol	1233	1.045
2	n-Propanol	2831	1.711
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

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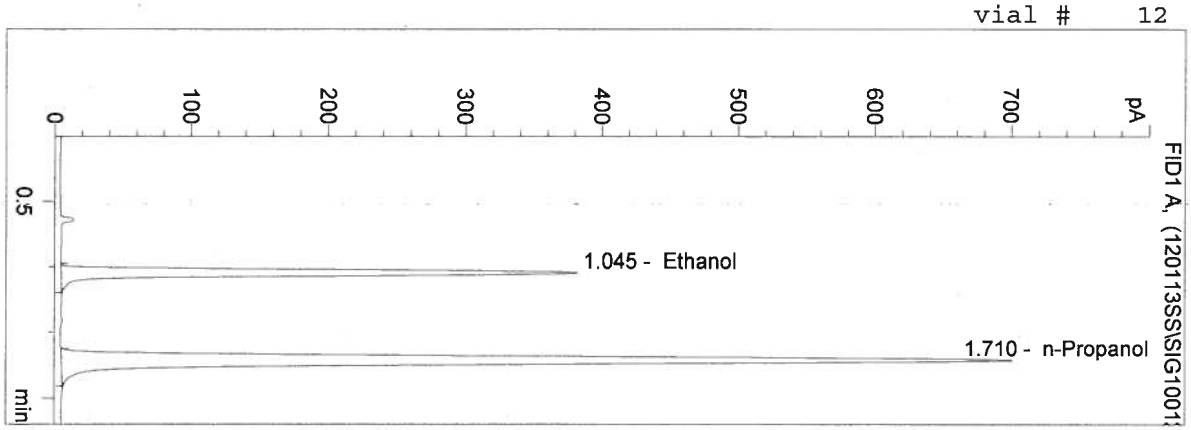
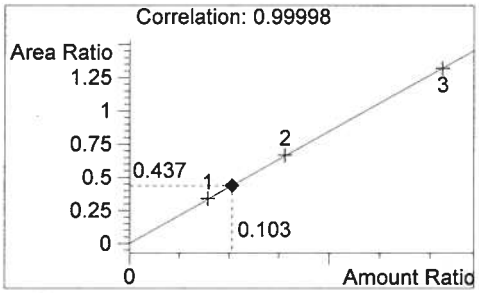
1/13/2012 2:03:03 PM
Instrument 1
DB-ALC1

12005 #3
Sarah Swenson

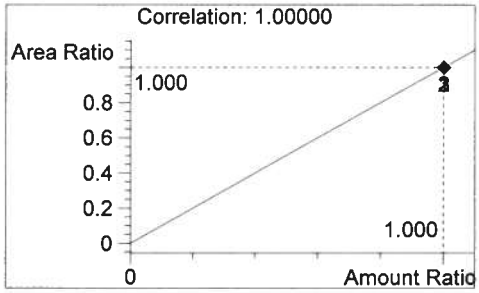
vial # 12



#	Compound	Area	RT
1	Ethanol	1228	1.045
2	n-Propanol	2809	1.710
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

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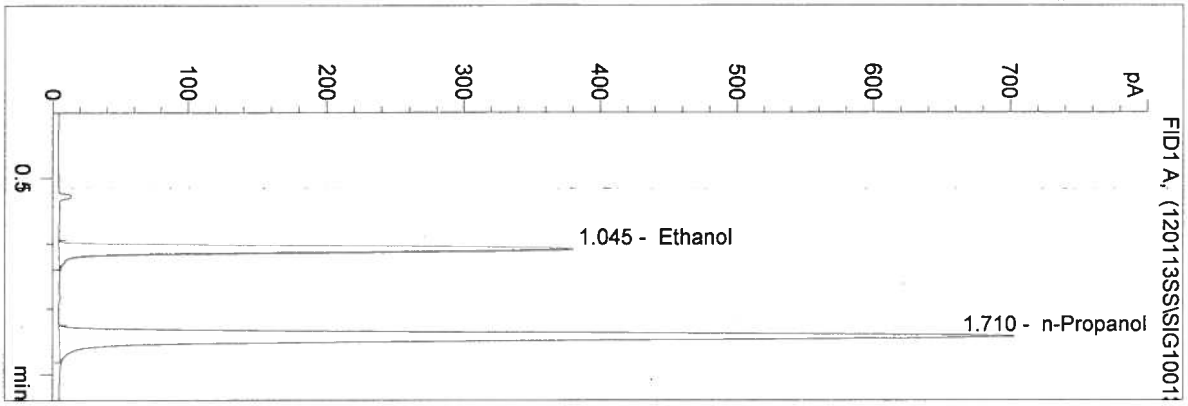
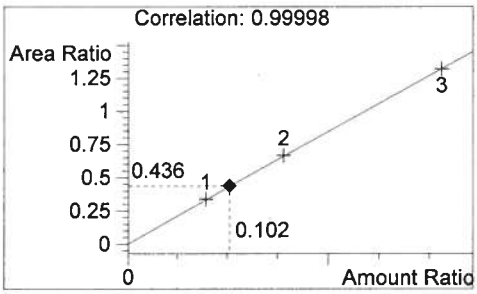
1/13/2012 2:06:08 PM
Instrument 1
DB-ALC1

12005 #4
Sarah Swenson

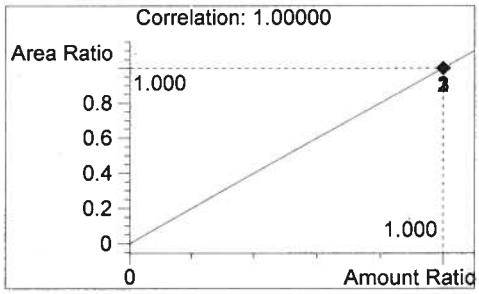
vial # 13



#	Compound	Area	RT
1	Ethanol	1226	1.045
2	n-Propanol	2815	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

SMS

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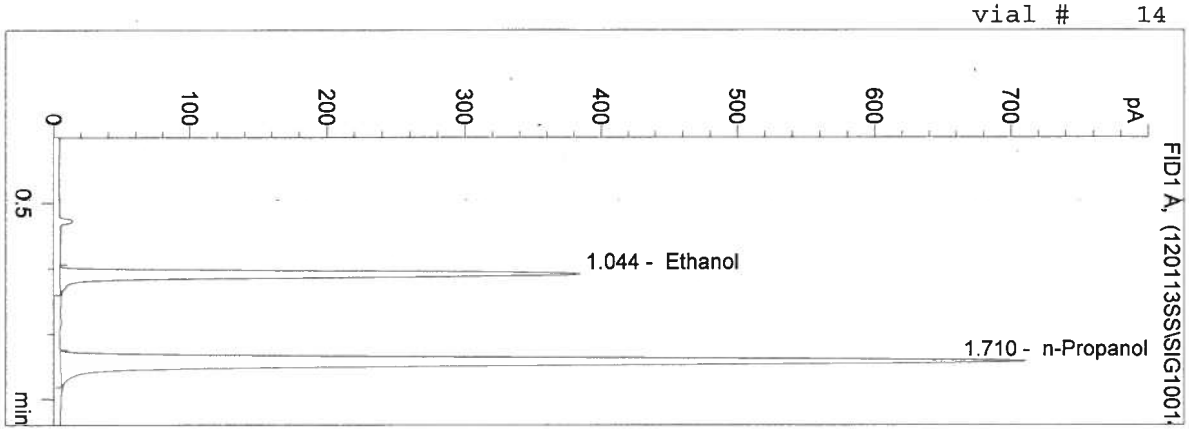
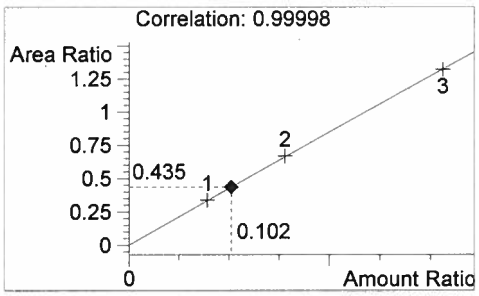
1/13/2012 2:09:13 PM
Instrument 1
DB-ALC1

12005 #5
Sarah Swenson

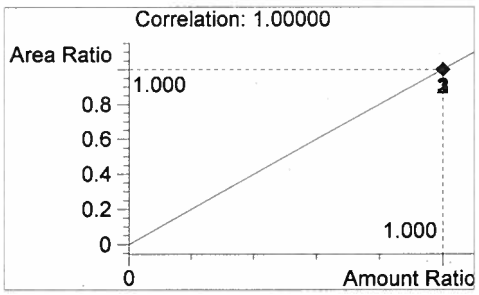
vial # 14



#	Compound	Area	RT
1	Ethanol	1243	1.044
2	n-Propanol	2855	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

SJS

WASHINGTON STATE TOXICOLOGY LABORATORY

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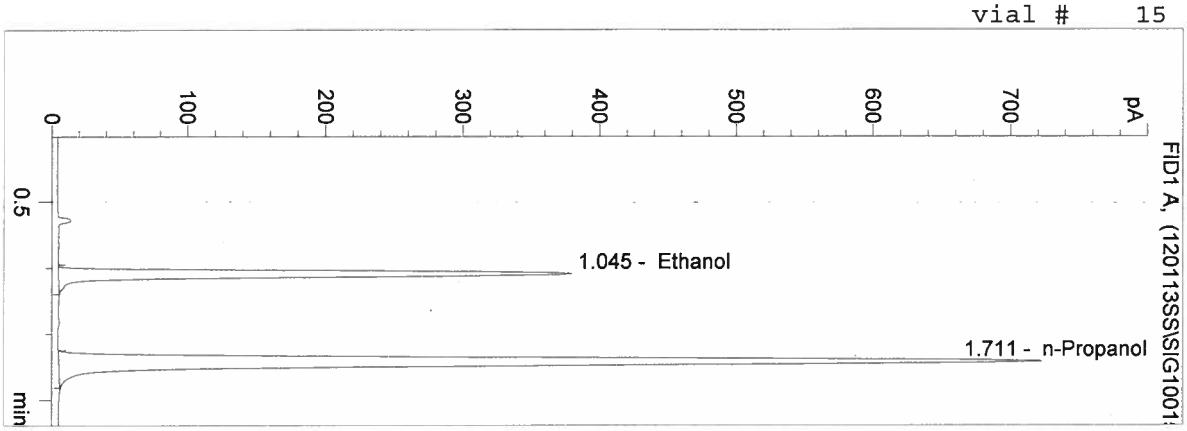
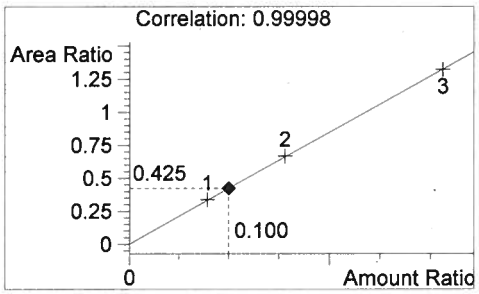
1/13/2012 2:12:17 PM
Instrument 1
DB-ALC1

0.10 CTRL-SS
Sarah Swenson

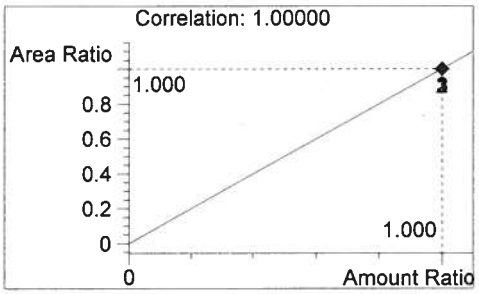
vial # 15



#	Compound	Area	RT
1	Ethanol	1234	1.045
2	n-Propanol	2903	1.711
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

1200

WASHINGTON STATE TOXICOLOGY LABORATORY

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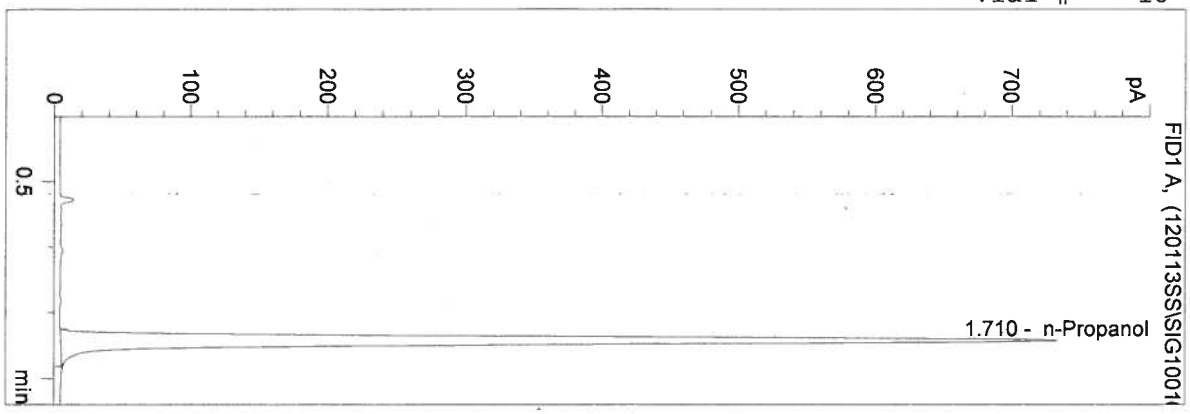
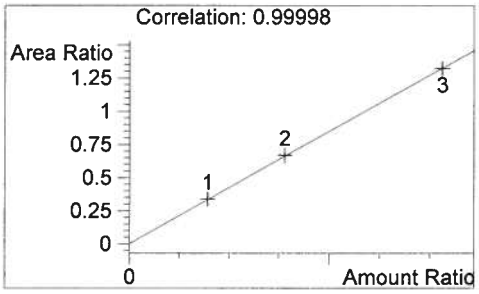
1/13/2012 2:15:22 PM
Instrument 1
DB-ALC1

NEG CTRL-SS
Sarah Swenson

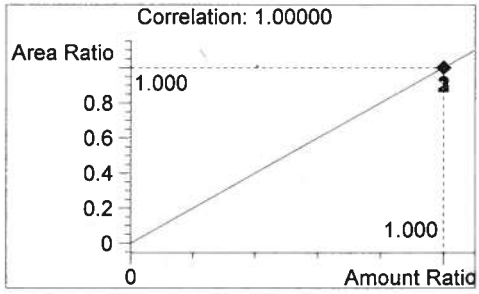
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2941	1.710
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

SKS

Sequence Parameters:

Operator:	Brianna Peterson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	120117BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control Lot#A077459 exp 02/2015
0.10 Control Lot#A075806 exp 11/2014
0.20 Control Lot#A076521 exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E1111-01
3	Vial 3	E1111-02
4	Vial 4	E1111-03
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	

12005

BP

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - BP	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - BP	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - BP	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - BP	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - BP	SIMALC1	1	Ctrl Samp		
10	Vial 10	12005 #1	SIMALC1	1	Sample		
11	Vial 11	12005 #2	SIMALC1	1	Sample		
12	Vial 12	12005 #3	SIMALC1	1	Sample		
13	Vial 13	12005 #4	SIMALC1	1	Sample		
14	Vial 14	12005 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - BP	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - BP	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

12005

BP

Calibration Table

Calib. Data Modified : Tuesday, January 17, 2012 1:15:16 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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

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

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.045	1		1	7.86300e-2	928.93756	8.46451e-5	1		Ethanol
			2	1.55890e-1	1865.07056	8.35840e-5			
			3	3.12180e-1	3686.58789	8.46799e-5			
1.710	1		1	1.00000	2755.03174	3.62972e-4	I1		n-Propanol
			2	1.00000	2779.64502	3.59758e-4			
			3	1.00000	2775.02295	3.60357e-4			

Peak Sum Table

No Entries in table

12005

BP

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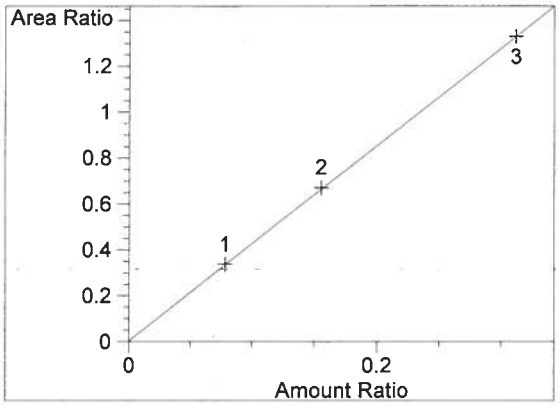
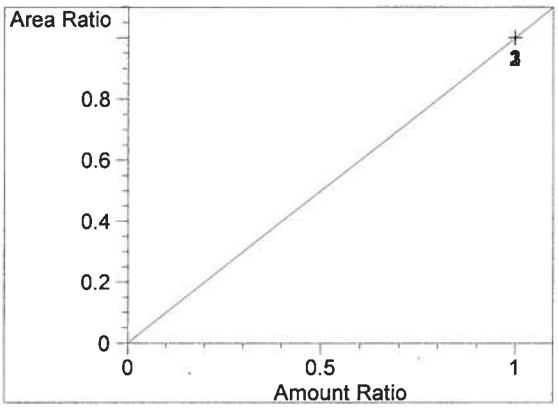
Calibration Curves

==========



Ethanol at exp. RT: 1.045
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00438
Formula: y = mx + b
m: 4.25546
b: 2.54544e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.710
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12005

WASHINGTON STATE TOXICOLOGY LABORATORY

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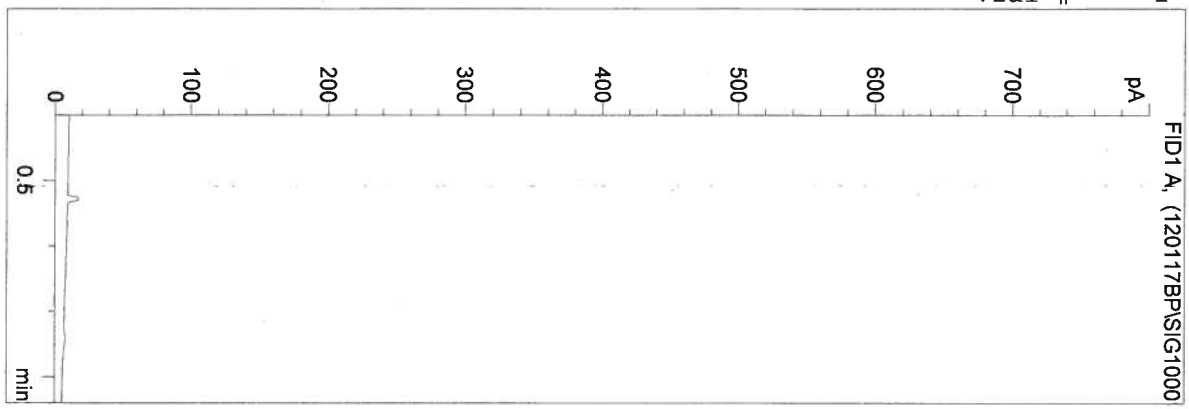
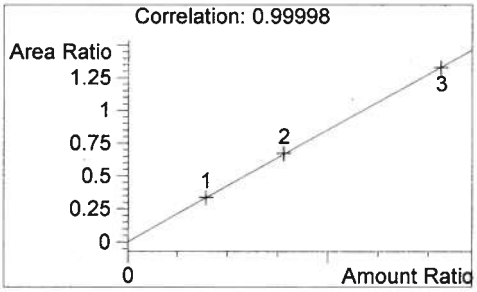
1/17/2012 1:03:48 PM
Instrument 1
DB-ALC1

blank
Brianna Peterson

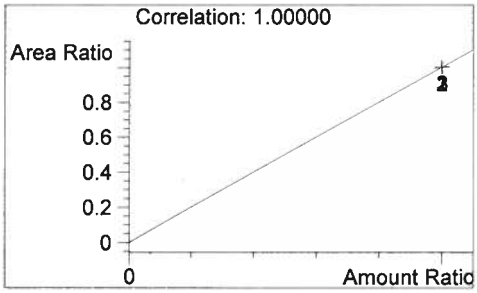
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

12005

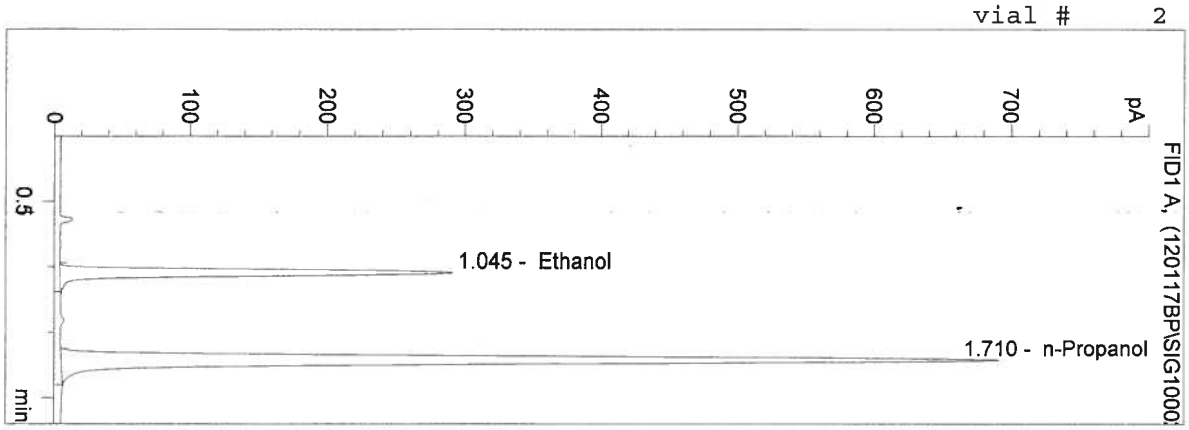
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

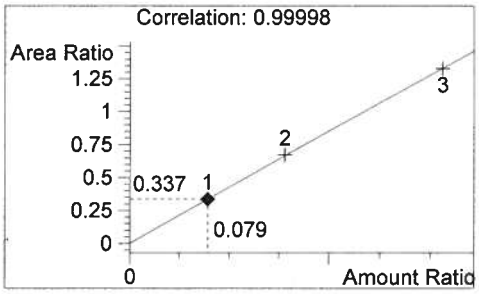
C:\HPCHEM\1\METHODS\SIMALC1.M
1/17/2012 1:06:53 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

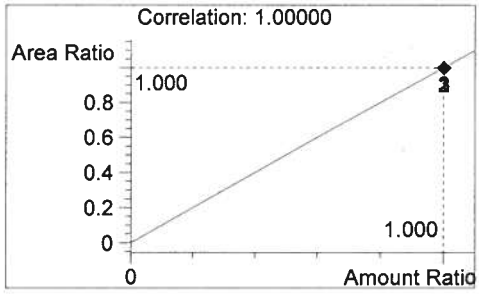
vial # 2



#	Compound	Area	RT
1	Ethanol	929	1.045
2	n-Propanol	2755	1.710
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

12005

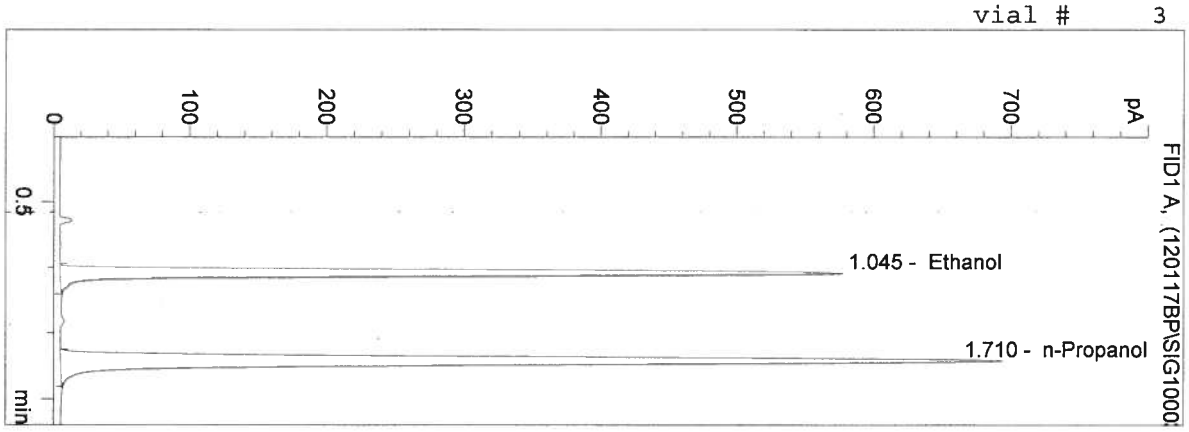
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

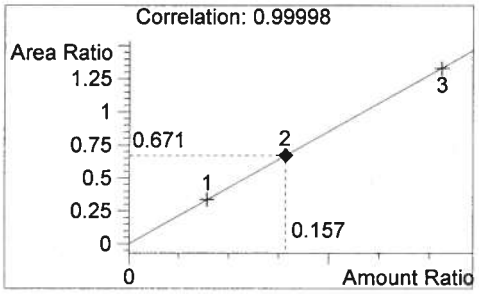
C:\HPCHEM\1\METHODS\SIMALC1.M
1/17/2012 1:09:58 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Brianna Peterson

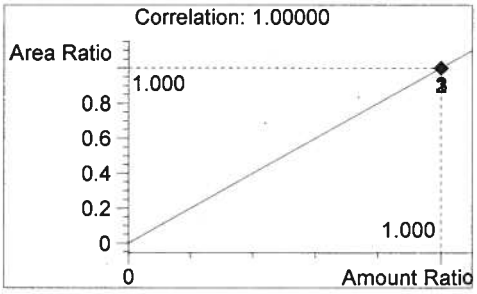
vial # 3



#	Compound	Area	RT
1	Ethanol	1865	1.045
2	n-Propanol	2780	1.710
Tot			



Ethanol 0.157 g/100 mL



n-Propanol 1.000 g/100 mL

12005

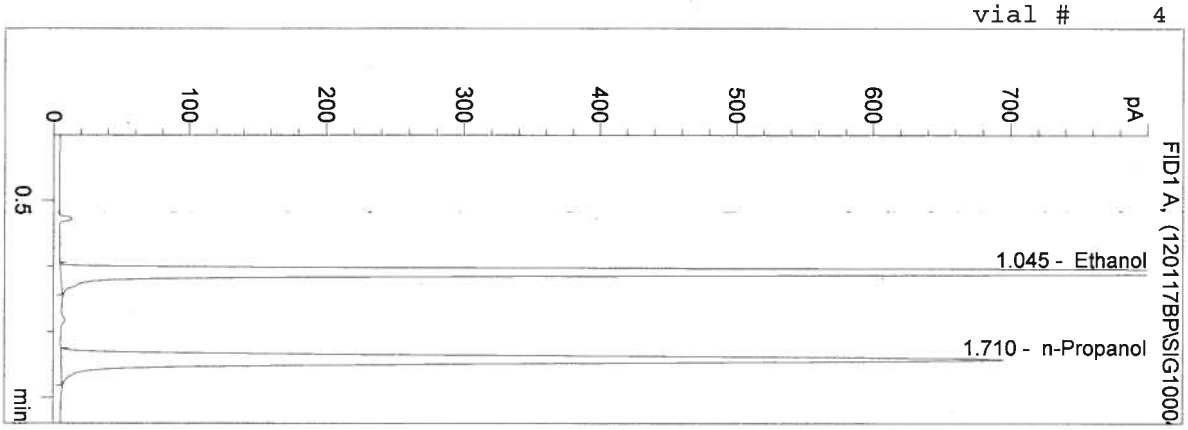
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

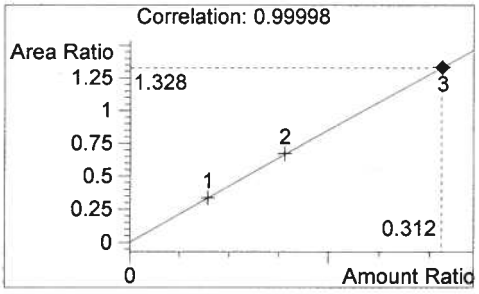
C:\HPCHEM\1\METHODS\SIMALC1.M
1/17/2012 1:13:03 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

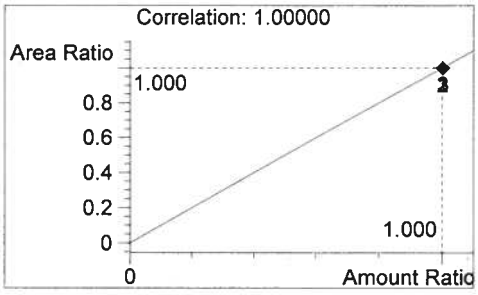
vial # 4



#	Compound	Area	RT
1	Ethanol	3687	1.045
2	n-Propanol	2775	1.710
Tot			



Ethanol 0.312 g/100 mL



n-Propanol 1.000 g/100 mL

12005

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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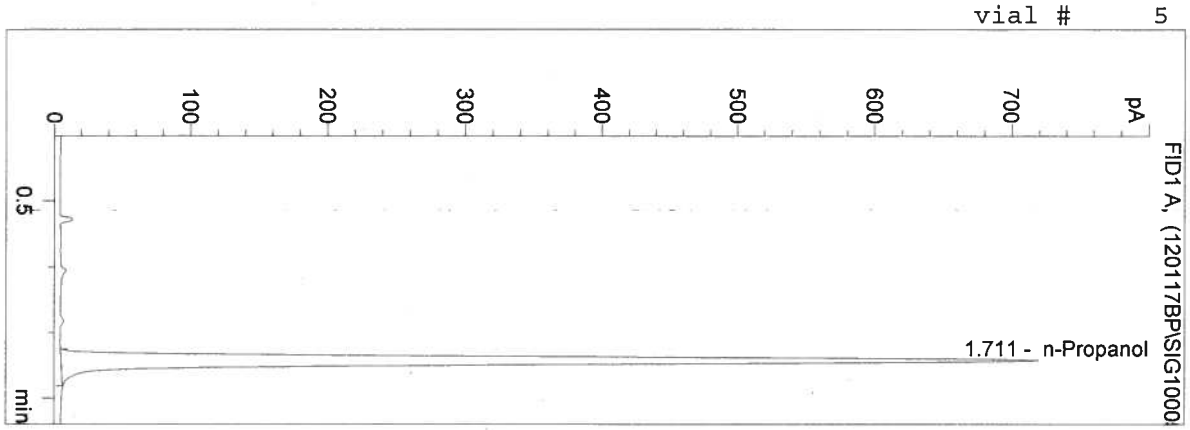
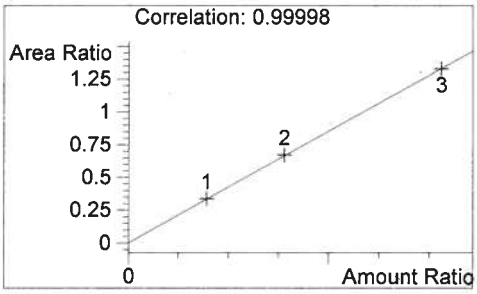
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

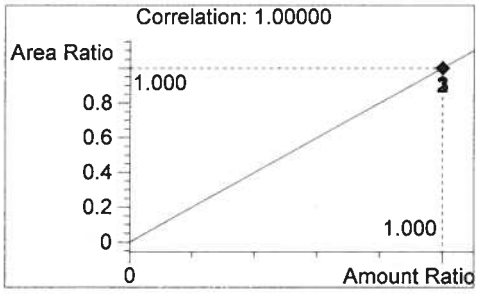
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2882	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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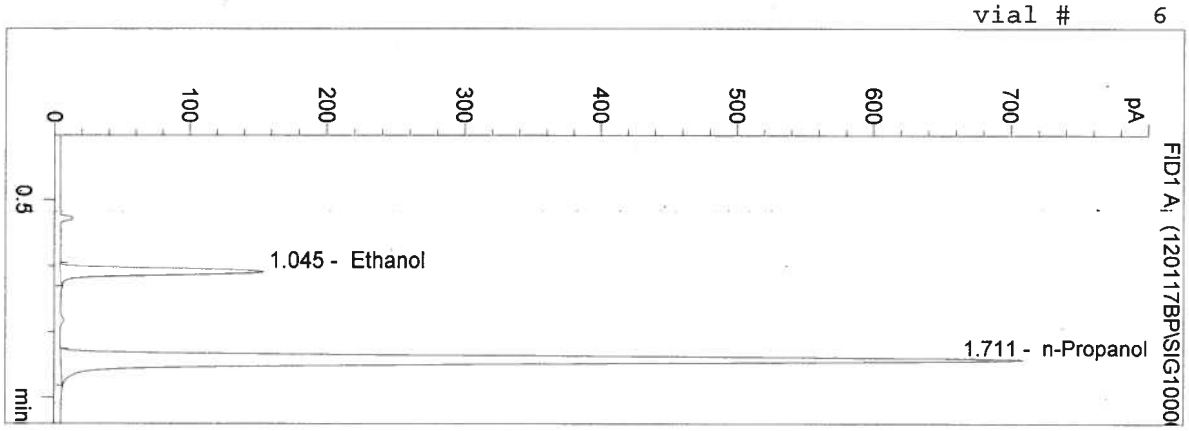
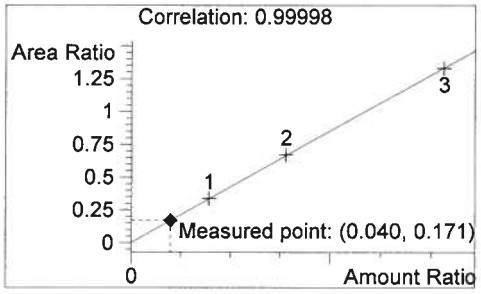
1/17/2012 1:19:12 PM
Instrument 1
DB-ALC1

0.04 CTRL - BP
Brianna Peterson

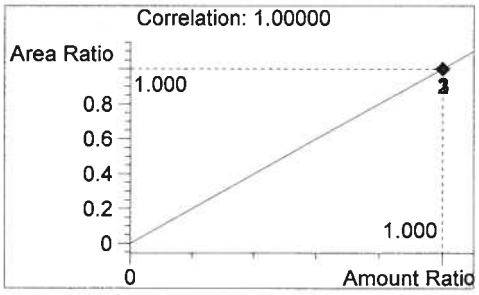
vial # 6



#	Compound	Area	RT
1	Ethanol	484	1.045
2	n-Propanol	2836	1.711
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

12005

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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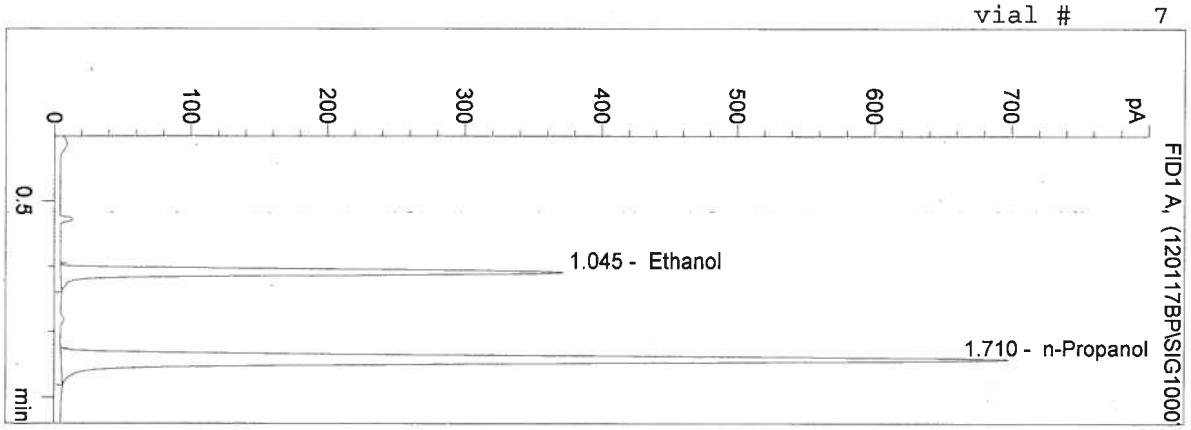
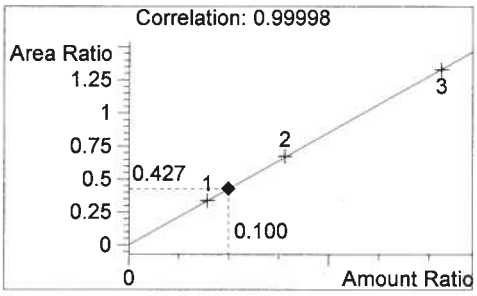
1/17/2012 1:22:17 PM
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

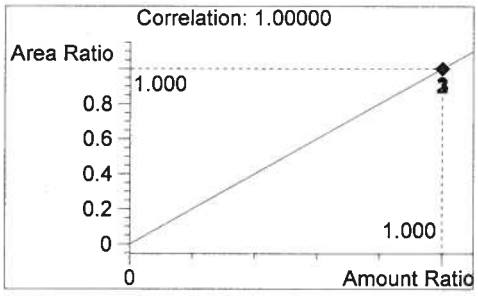
vial # 7



#	Compound	Area	RT
1	Ethanol	1194	1.045
2	n-Propanol	2798	1.710
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12003

BG

WASHINGTON STATE TOXICOLOGY LABORATORY

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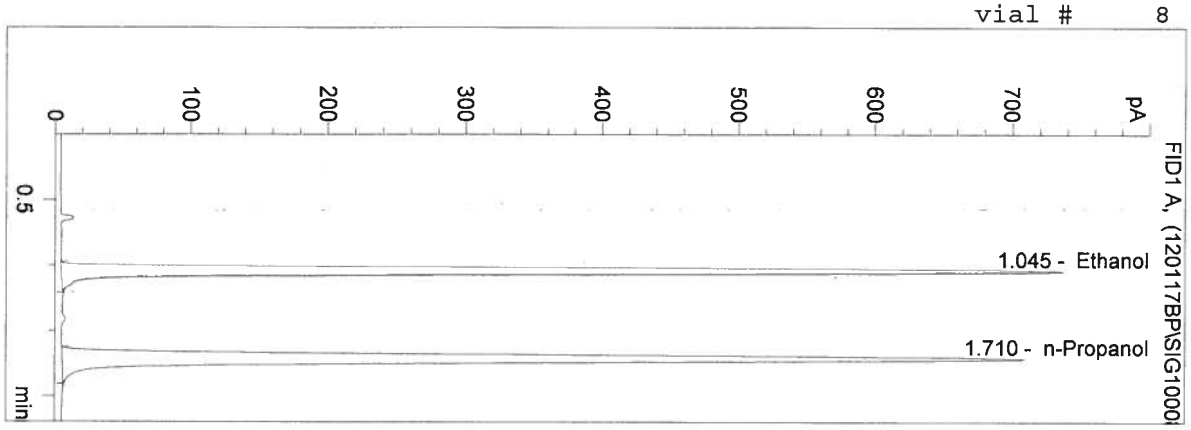
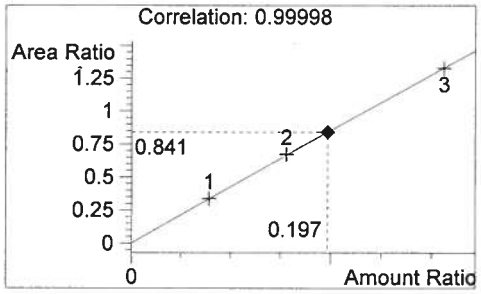
1/17/2012 1:25:21 PM
Instrument 1
DB-ALC1

0.20 CTRL - BP
Brianna Peterson

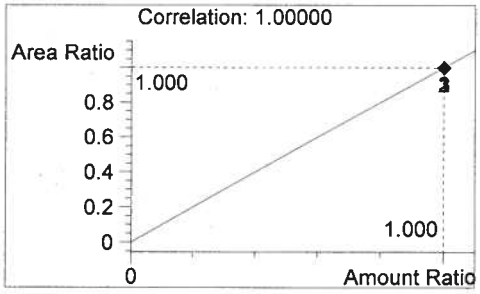
vial # 8



#	Compound	Area	RT
1	Ethanol	2381	1.045
2	n-Propanol	2833	1.710
Tot			



Ethanol 0.197 g/100 mL



n-Propanol 1.000 g/100 mL

12005

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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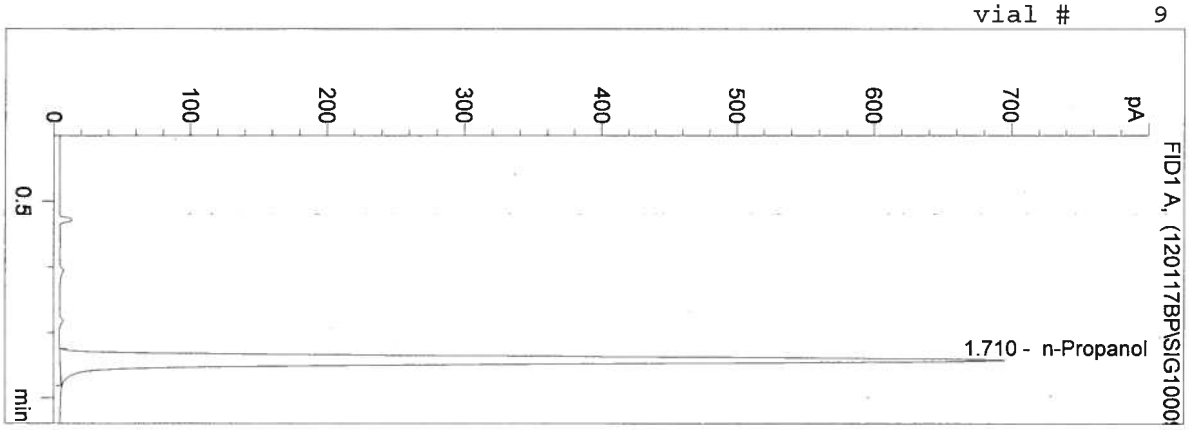
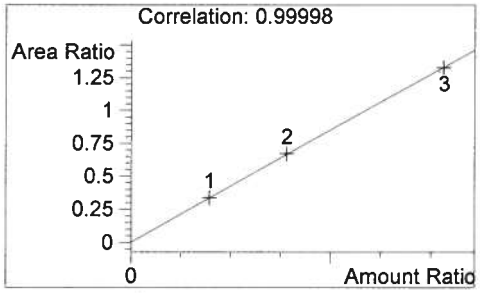
1/17/2012 1:28:26 PM
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

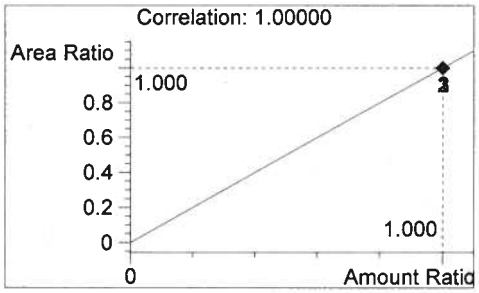
vial # 9



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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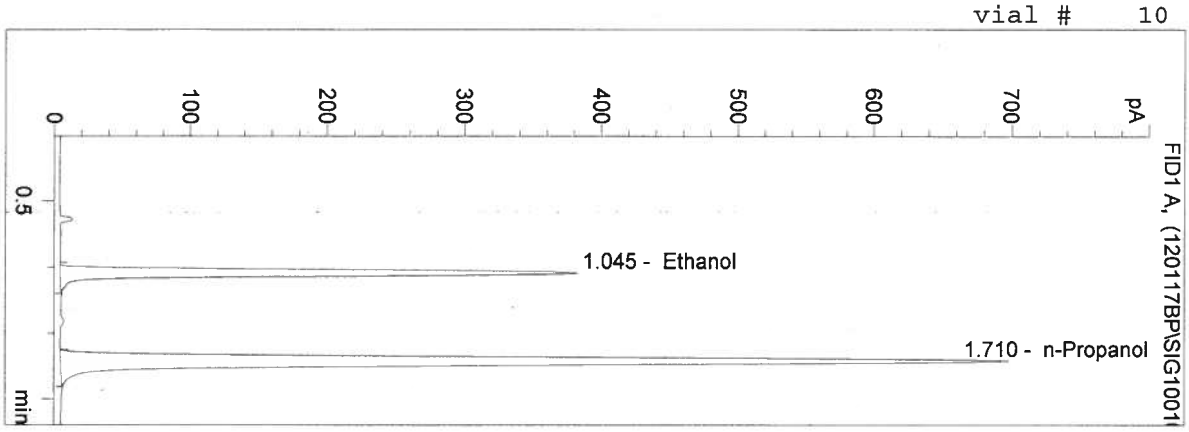
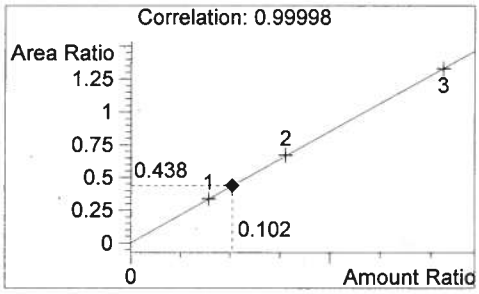
Instrument 1
DB-ALC1

12005 #1
Brianna Peterson

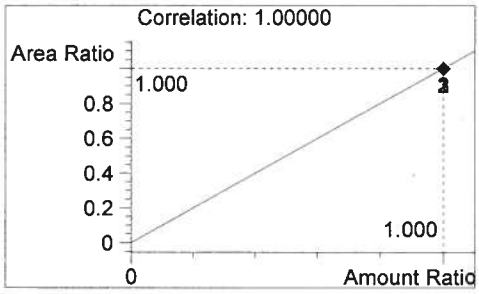
vial # 10



#	Compound	Area	RT
1	Ethanol	1221	1.045
2	n-Propanol	2790	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BL

WASHINGTON STATE TOXICOLOGY LABORATORY

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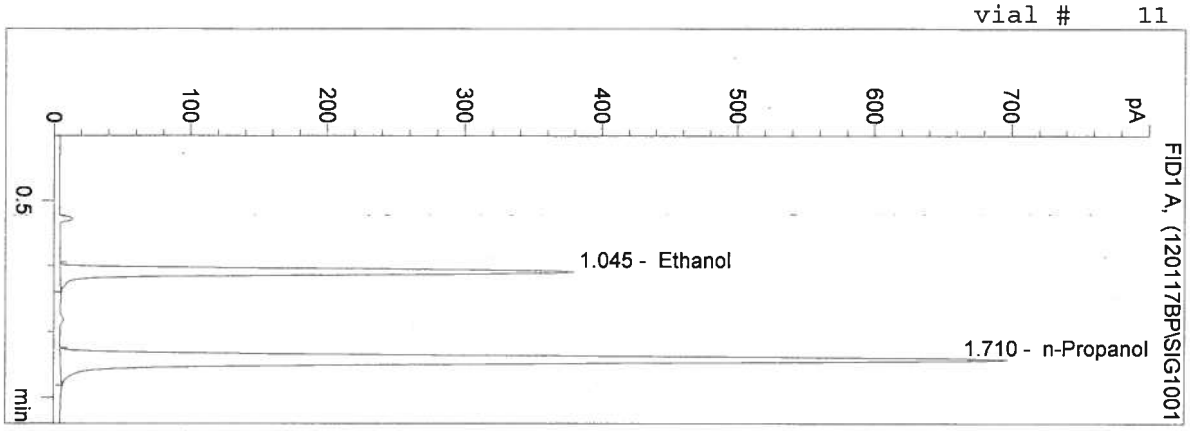
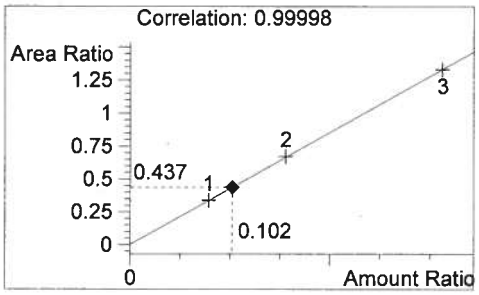
Instrument 1
DB-ALC1

12005 #2
Brianna Peterson

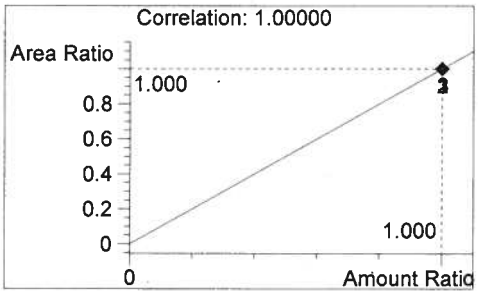
vial # 11



#	Compound	Area	RT
1	Ethanol	1218	1.045
2	n-Propanol	2787	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

RS

WASHINGTON STATE TOXICOLOGY LABORATORY

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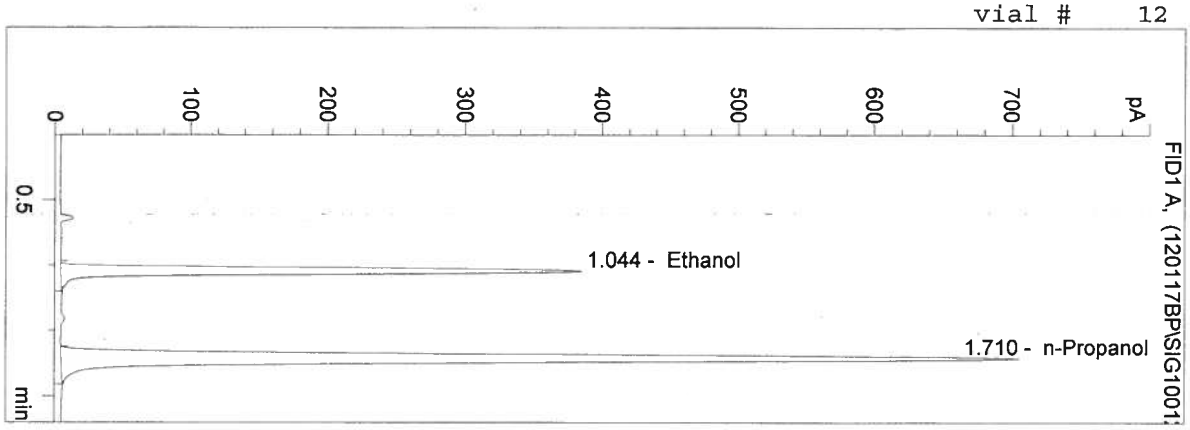
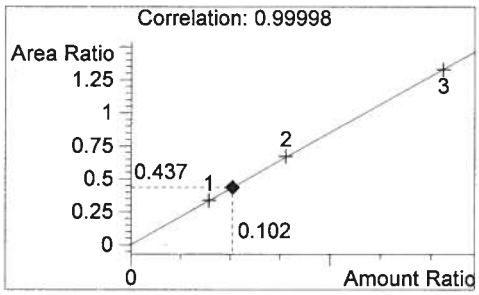
Instrument 1
DB-ALC1

12005 #3
Brianna Peterson

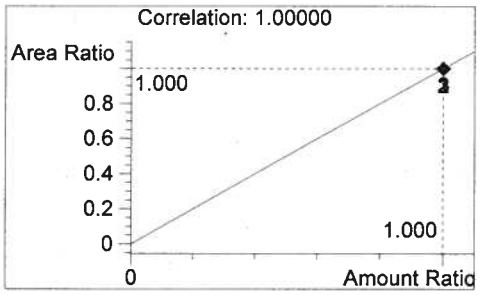
vial # 12



#	Compound	Area	RT
1	Ethanol	1233	1.044
2	n-Propanol	2823	1.710
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BS

WASHINGTON STATE TOXICOLOGY LABORATORY

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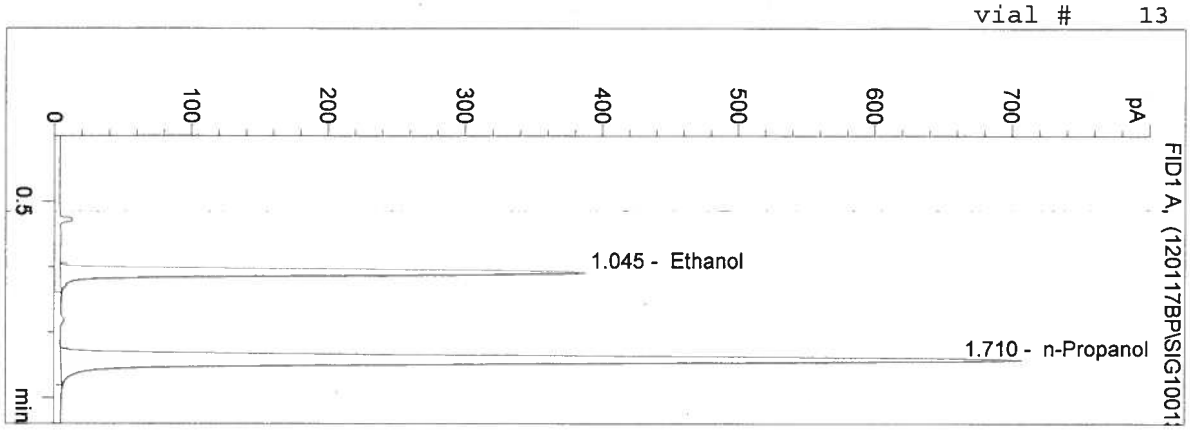
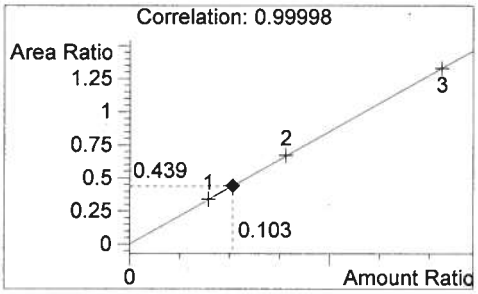
Instrument 1
DB-ALC1

12005 #4
Brianna Peterson

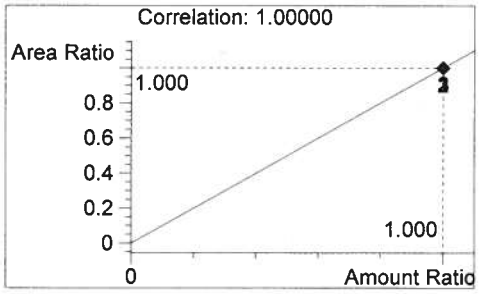
vial # 13



#	Compound	Area	RT
1	Ethanol	1242	1.045
2	n-Propanol	2827	1.710
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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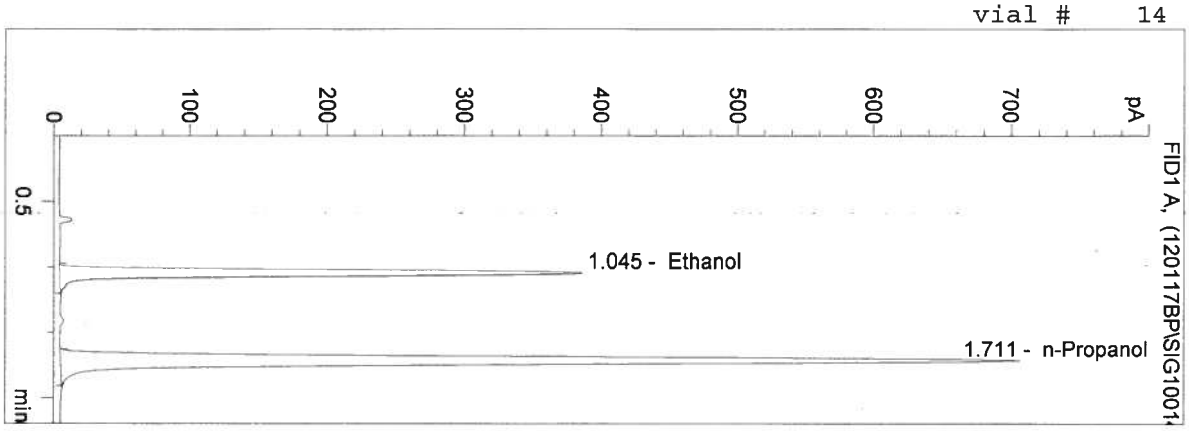
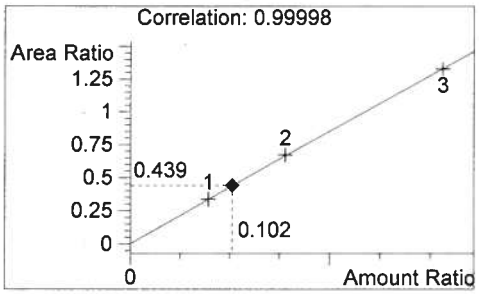
Instrument 1
DB-ALC1

12005 #5
Brianna Peterson

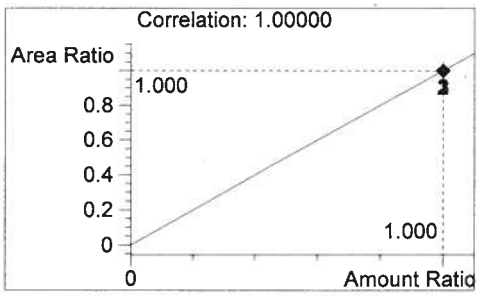
vial # 14



#	Compound	Area	RT
1	Ethanol	1238	1.045
2	n-Propanol	2823	1.711
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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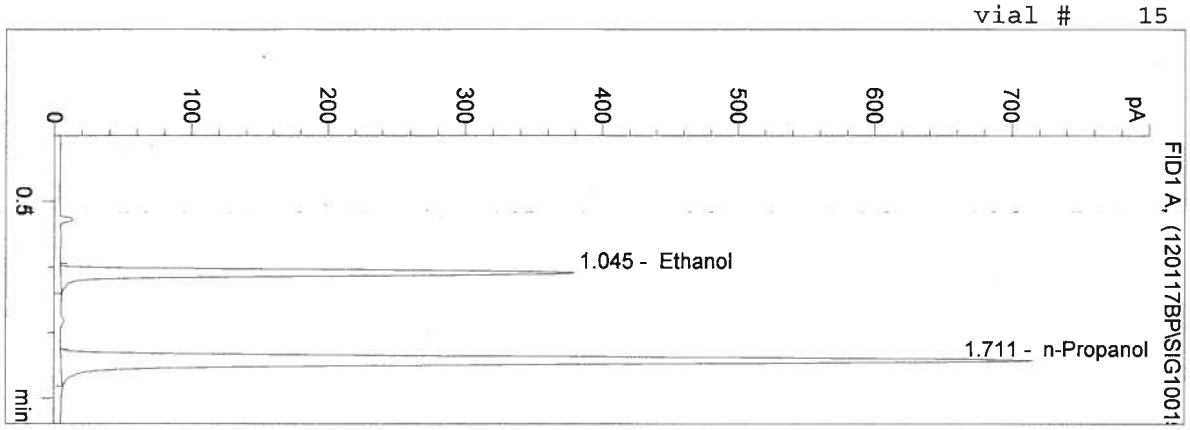
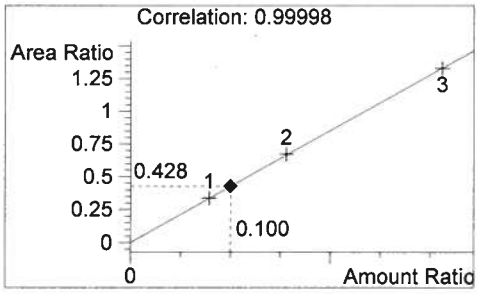
Instrument 1
DB-ALC1

0.10 CTRL - BP
Brianna Peterson

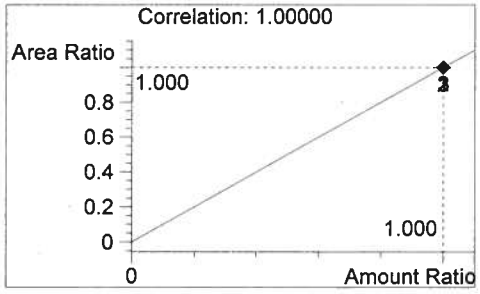
vial # 15



#	Compound	Area	RT
1	Ethanol	1224	1.045
2	n-Propanol	2862	1.711
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

12005

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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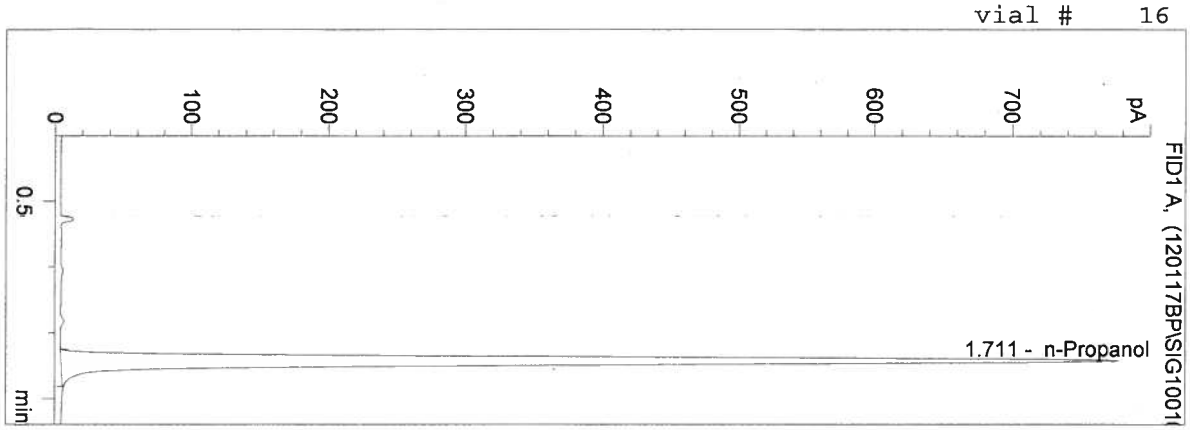
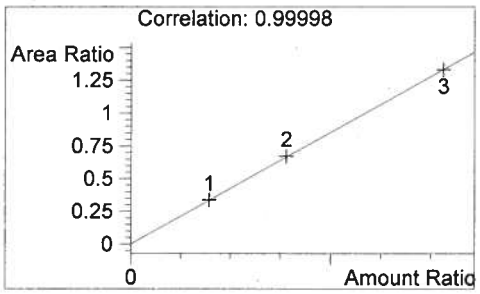
Instrument 1
DB-ALC1

NEG CTRL - BP
Brianna Peterson

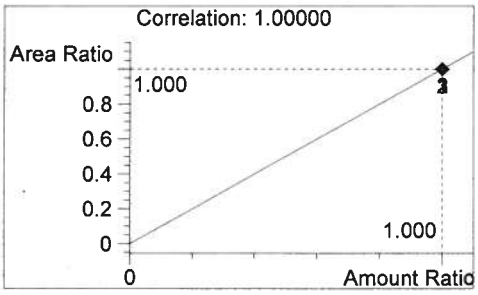
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3116	1.711
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

12005

BP

WSP-TLD **COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET**

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

Preparation Date: 20120109 Initials of Preparer: AR

Expiration Date: 20130109

Lot # of 200-proof Ethanol used in preparation: 2W 0039

Date the 200-proof Ethanol bottle was opened: 20120109

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	☑	12005

Stir bar is rotating	☑	0830
Stirred for minimum 30 minutes; 2 hours for ESS	☑	
Spigot purged	☑	
Aliquot taken	☑	
Batch labeled, packaged and sealed	☑	20120109 Date

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

Comments:

ESS 12005
0.08 g/210L
prp: al2012Jan09 op:
exp 2013Jan09

Analyst Signature

20120109
Date