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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 11014

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: 0.04 g/210L
DATE PREPARED: 04/28/2011
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	CM	SS
1	0.051	0.051	0.051
2	0.051	0.051	0.051
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.051	0.051	0.050
C	0.100	0.100	0.100

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0507 g/100mL
STANDARD DEVIATION: 0.00046
PRECISION CV (%): 0.90
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0412 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0004 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

5.10.2011
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		04/28/2011
CM	Christie Mitchell		05/03/2011
SS	Sarah Swenson		05/04/2011

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
QAP Test Report Calculation Record

QAP Solution Batch #: 11014 **Date Prepared:** 4/28/2011

Analyst:	AJL	CM	SS
Date Tested:	4/28/2011	5/3/2011	5/4/2011
Instrument:	HS#1	HS#1	HS#1
1	0.051	0.051	0.051
2	0.051	0.051	0.051
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.051	0.051	0.050
C	0.100	0.100	0.100

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000054269	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.0507 g/100mL
Standard Deviation: 0.00046 g/100mL
Precision CV (%): 0.90
Equivalent Vapor Concentration: 0.0412 g/210L
Combined Standard Uncertainty (±): 0.0004 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 5-9-11
Name Signature Date

Calculations verified by: Jason Sellerov [signature] May 10, 2011
Name Signature Date

Method: Hand Calculator

Tech. review performed by: Melissa L. Pemberton [signature] 5-10-2011
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** MAY 10, 2011

Location: WSP-FLSB, SEATTLE, WA **Solution Batch Number:** 11014

	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:** MAY 10, 2011

Reviewer Signature: N/A JHS 5/10/11 **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	20110509
Brian Capron		
Brianna Peterson		
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell	CM	5/9/11
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson	SMS	5/9/11

Batch # 11014

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 0.04 QAP SOLUTION CERTIFICATION FOR LOT 11014

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 qap solution, Lot Number 11014, was prepared in the Washington State Toxicology Laboratory on 4/28/2011. 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 shall not be used to perform a quality assurance procedure after 4/28/2012.

Seattle, WA

2011050?

Asa J. Louis Date

Forensic Toxicologist

AJL/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
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DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 11014

I, Christie Mitchell, 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 three years experience in forensic toxicology.

The qap solution, Lot Number 11014, was prepared in the Washington State Toxicology Laboratory on 4/28/2011. 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 shall not be used to perform a quality assurance procedure after 4/28/2012.

Seattle, WA

Christie Mitchell 5/9/11

Christie Mitchell Date

Forensic Toxicologist

CM/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 11014

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 eight years of experience in forensic toxicology.

The qap solution, Lot Number 11014, was prepared in the Washington State Toxicology Laboratory on 4/28/2011. 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 shall not be used to perform a quality assurance procedure after 4/28/2012.

Seattle, WA

5/9/11

Sarah M. Swenson Date

Forensic Toxicologist

SS/ik

Sequence Parameters:

Operator:	asa louis
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	110428AL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A073849 - exp 07/2014

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 ctrl - 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 ctrl - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	qap0.04 11014 #1	SIMALC1	1	Sample		
11	Vial 11	qap0.04 11014 #2	SIMALC1	1	Sample		
12	Vial 12	qap0.04 11014 #3	SIMALC1	1	Sample		
13	Vial 13	qap0.04 11014 #4	SIMALC1	1	Sample		
14	Vial 14	qap0.04 11014 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC1	1	Ctrl Samp		
17	Vial 17	qap0.08 11015 #1	SIMALC1	1	Sample		
18	Vial 18	qap0.08 11015 #2	SIMALC1	1	Sample		
19	Vial 19	qap0.08 11015 #3	SIMALC1	1	Sample		
20	Vial 20	qap0.08 11015 #4	SIMALC1	1	Sample		
21	Vial 21	qap0.08 11015 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC1	1	Ctrl Samp		
24	Vial 24	qap0.10 11016 #1	SIMALC1	1	Sample		
25	Vial 25	qap0.10 11016 #2	SIMALC1	1	Sample		
26	Vial 26	qap0.10 11016 #3	SIMALC1	1	Sample		
27	Vial 27	qap0.10 11016 #4	SIMALC1	1	Sample		
28	Vial 28	qap0.10 11016 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC1	1	Ctrl Samp		
31	Vial 31	qap0.15 11017 #1	SIMALC1	1	Sample		
32	Vial 32	qap0.15 11017 #2	SIMALC1	1	Sample		
33	Vial 33	qap0.15 11017 #3	SIMALC1	1	Sample		
34	Vial 34	qap0.15 11017 #4	SIMALC1	1	Sample		
35	Vial 35	qap0.15 11017 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		

Calibrator with 11014

11014
11016
11017

AL 20110429

K 20110508

Sequence: C:\HPCHEM\1\SEQUENCE\AL-QAP1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
37	Vial 37	neg ctrl - al	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!

11014

PL 20110429
AL 20110505

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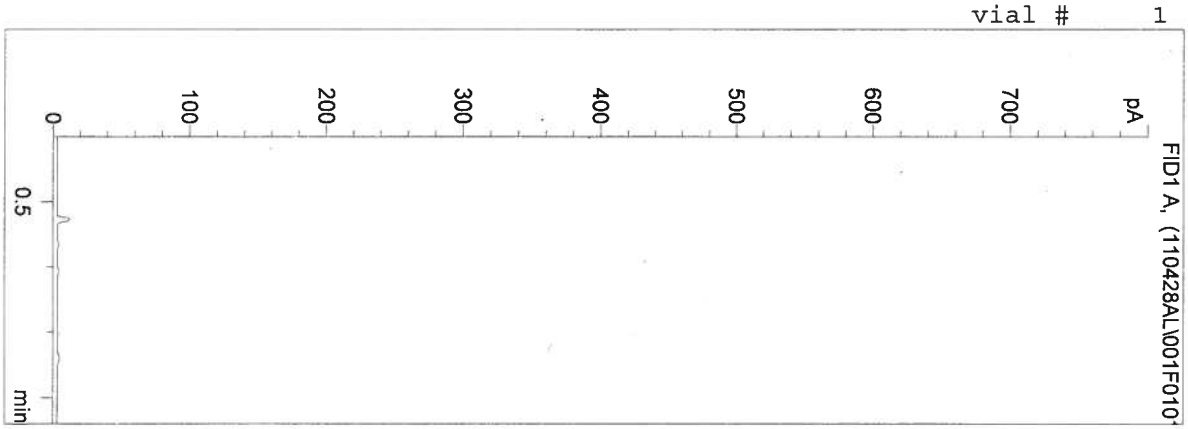
WASHINGTON STATE TOXICOLOGY LABORATORY

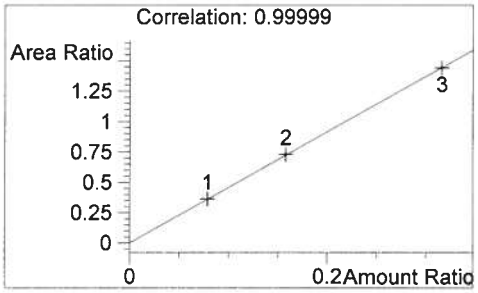
C:\HPCHEM\1\METHODS\SIMALC1.M
4/28/2011 3:17:35 PM
Instrument 1
DB-ALC1

blank
asa louis

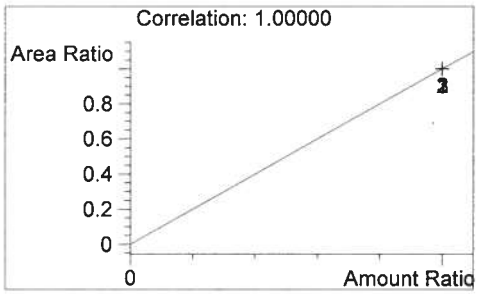
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

AL 20110429
AL 20110509

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WASHINGTON STATE TOXICOLOGY LABORATORY

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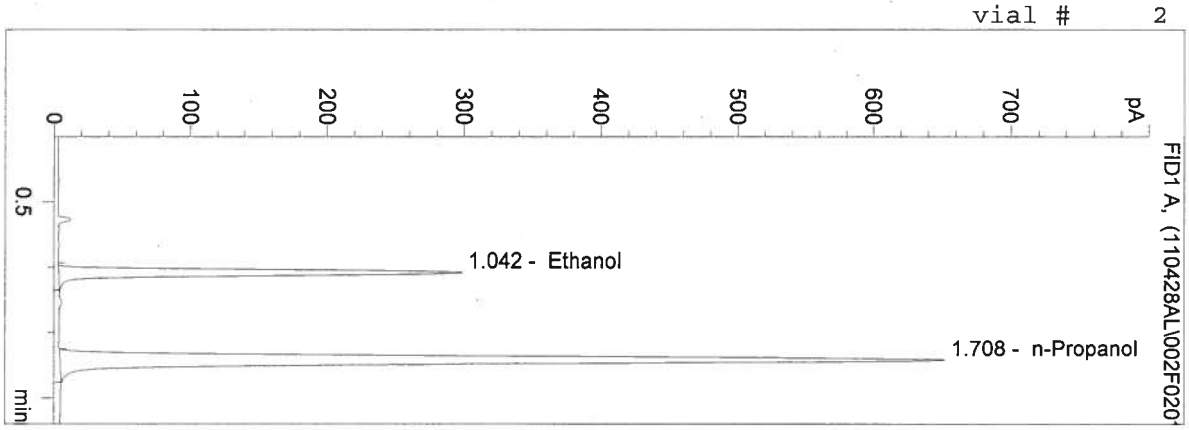
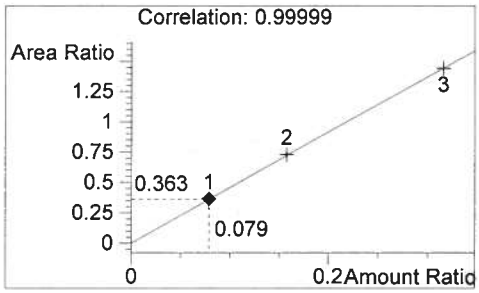
4/28/2011 3:20:39 PM
Instrument 1
DB-ALC1

0.079 cal 1
asa louis

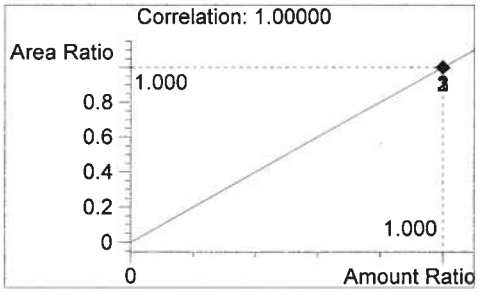
vial # 2



#	Compound	Area	RT
1	Ethanol	920	1.042
2	n-Propanol	2536	1.708
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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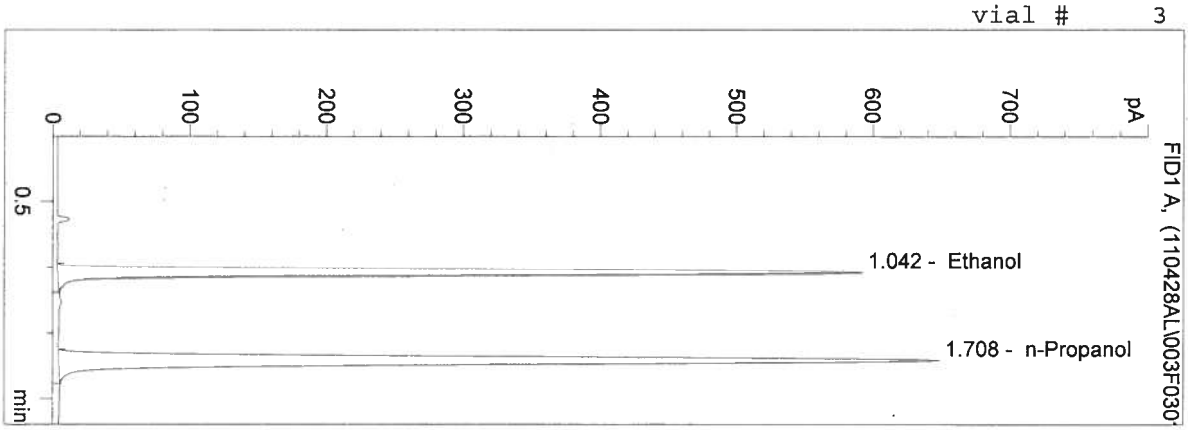
WASHINGTON STATE TOXICOLOGY LABORATORY

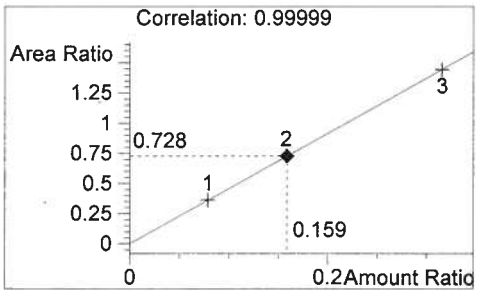
C:\HPCHEM\1\METHODS\SIMALC1.M
4/28/2011 3:23:44 PM
Instrument 1
DB-ALC1

0.158 cal 2
asa louis

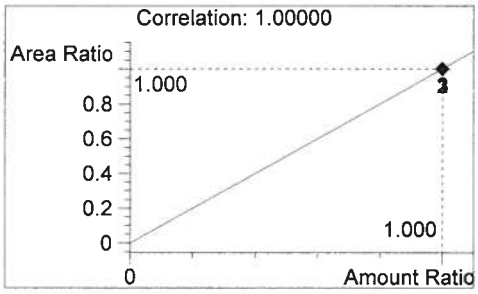
vial # 3



#	Compound	Area	RT
1	Ethanol	1834	1.042
2	n-Propanol	2520	1.708
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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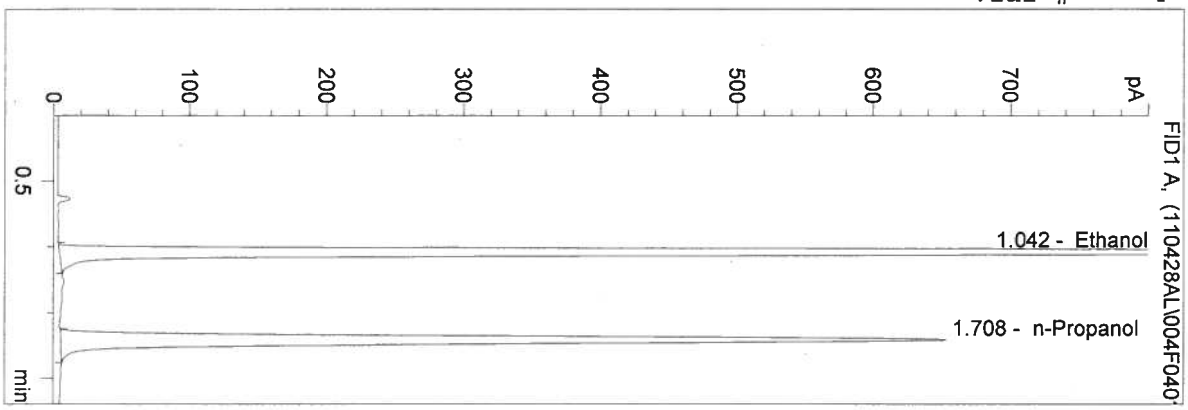
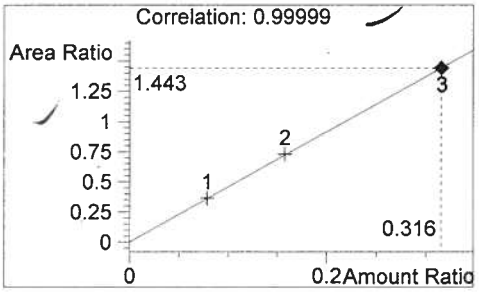
Instrument 1
DB-ALC1

0.316 cal 3
asa louis

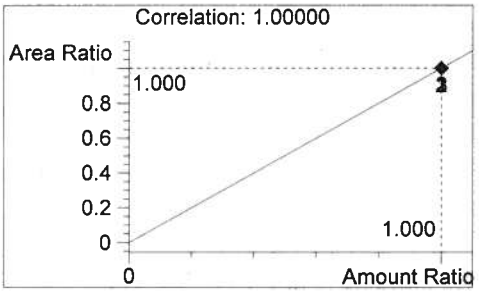
vial # 4



#	Compound	Area	RT
1	Ethanol	3663	1.042
2	n-Propanol	2538	1.708
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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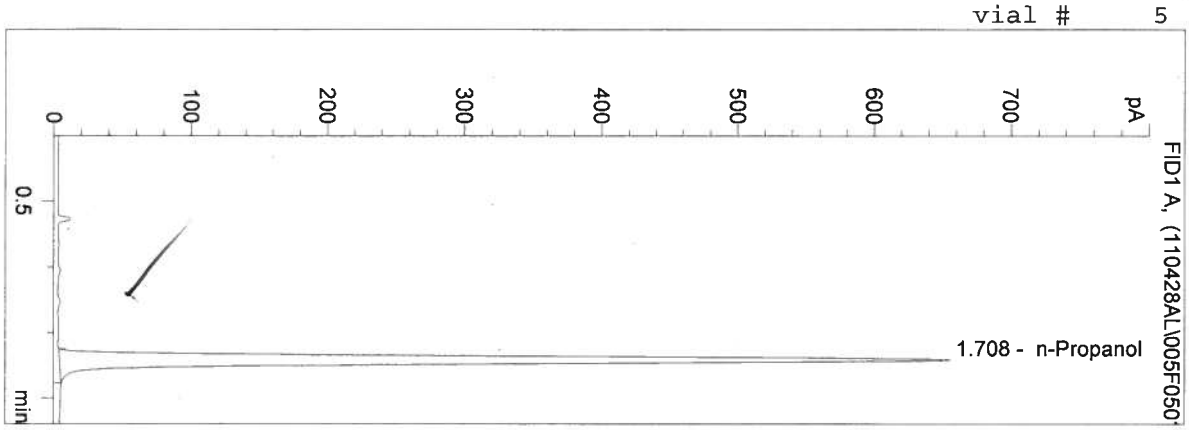
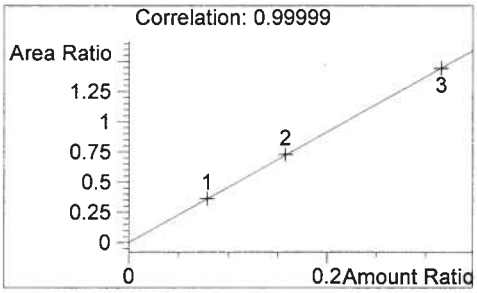
4/28/2011 3:29:53 PM
Instrument 1
DB-ALC1

neg ctrl - al
asa louis

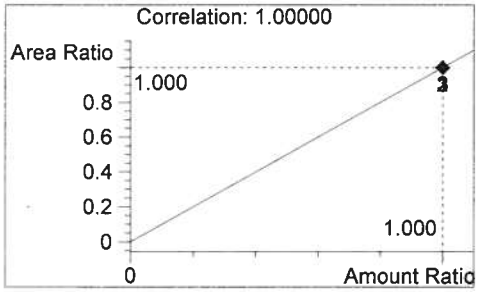
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2551	1.708
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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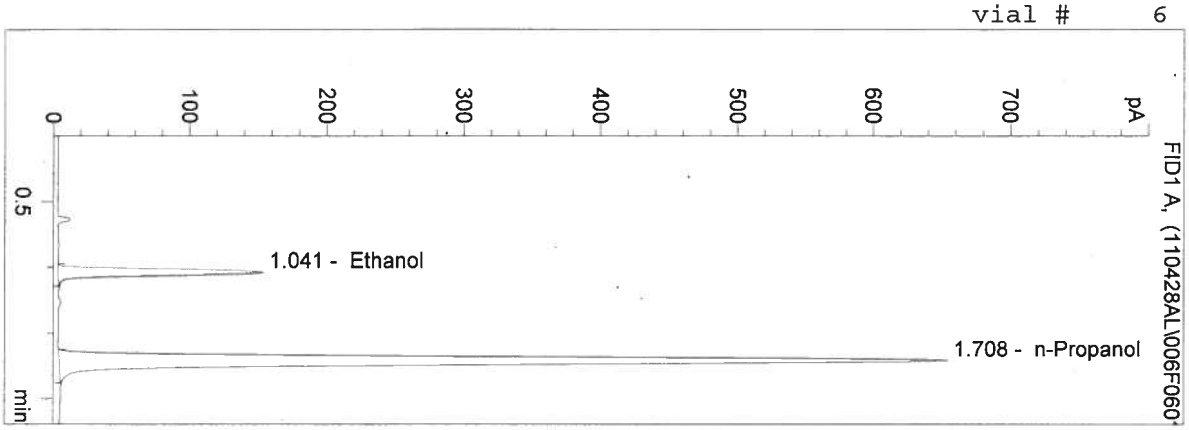
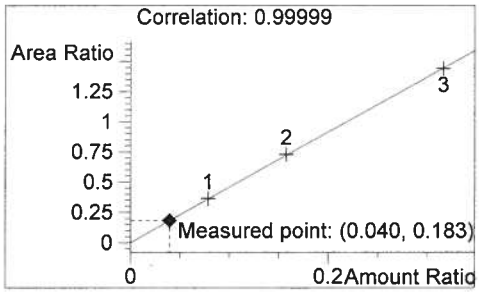
Instrument 1
DB-ALC1

0.04 ctrl - al
asa louis

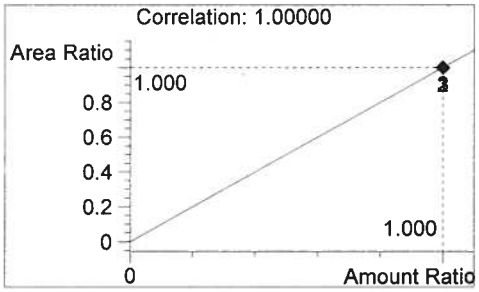
vial # 6



#	Compound	Area	RT
1	Ethanol	466	1.041
2	n-Propanol	2549	1.708
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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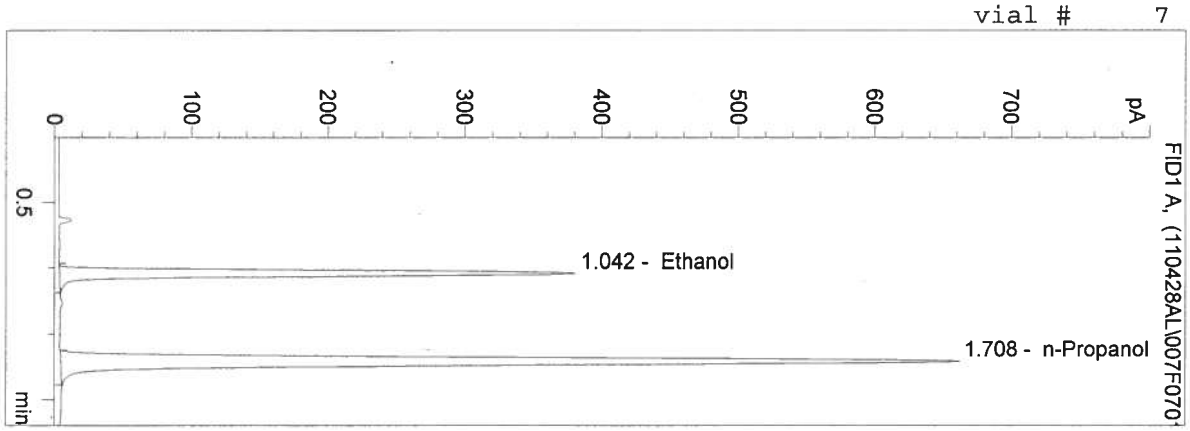
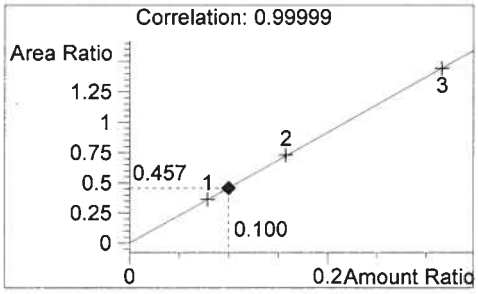
4/28/2011 3:36:03 PM
Instrument 1
DB-ALC1

0.10 ctrl - al
asa louis

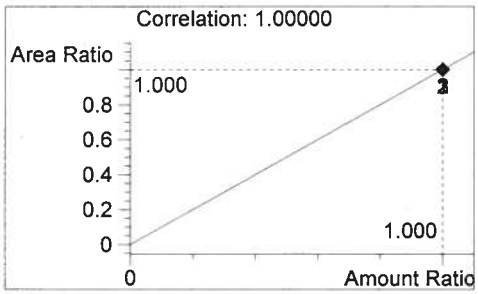
vial # 7



#	Compound	Area	RT
1	Ethanol	1177	1.042
2	n-Propanol	2575	1.708
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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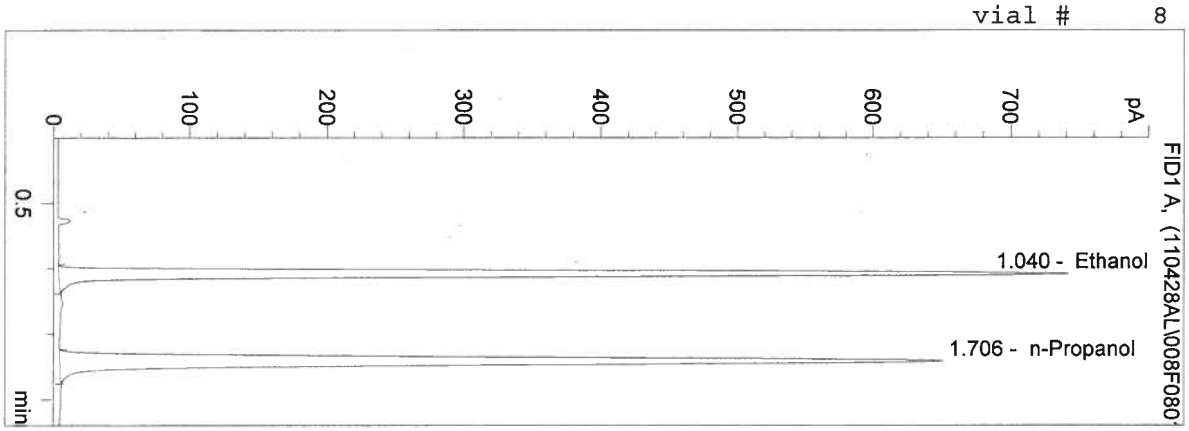
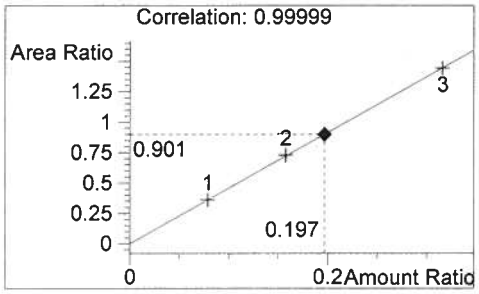
4/28/2011 3:39:08 PM
Instrument 1
DB-ALC1

0.20 ctrl - al
asa louis

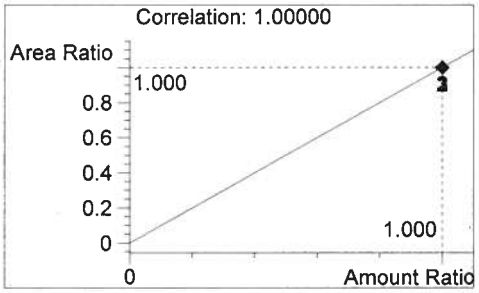
vial # 8



#	Compound	Area	RT
1	Ethanol	2273	1.040
2	n-Propanol	2521	1.706
Tot			



Ethanol 0.197 g/100 mL



n-Propanol 1.000 g/100 mL

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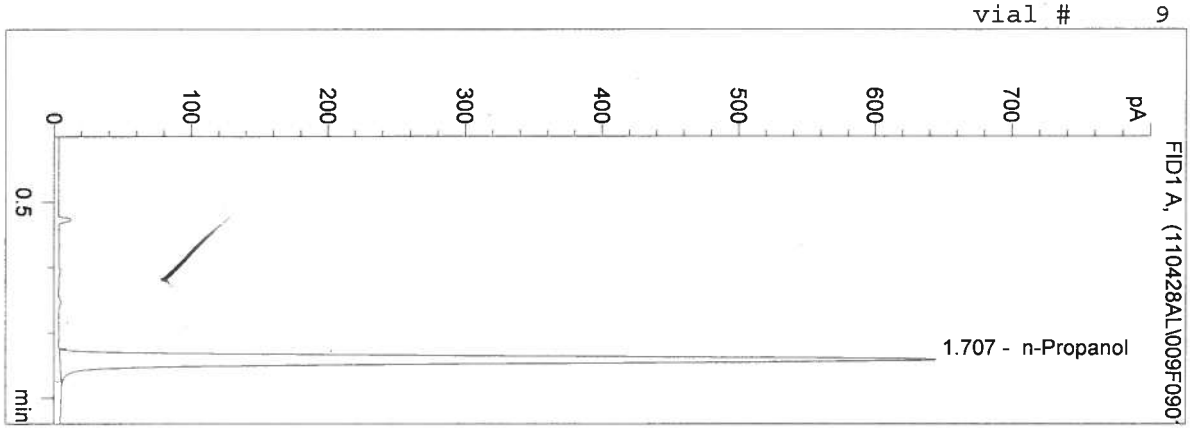
WASHINGTON STATE TOXICOLOGY LABORATORY

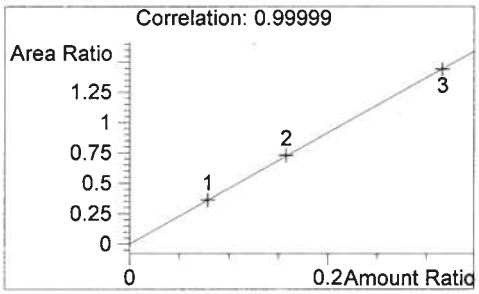
C:\HPCHEM\1\METHODS\SIMALC1.M
4/28/2011 3:42:13 PM
Instrument 1
DB-ALC1

neg ctrl - al
asa louis

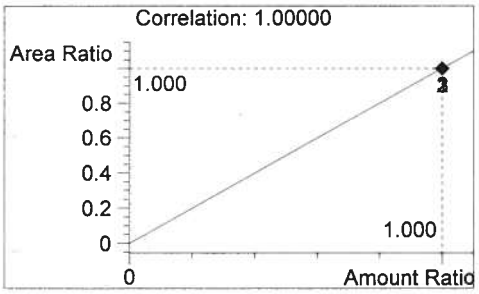
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2503	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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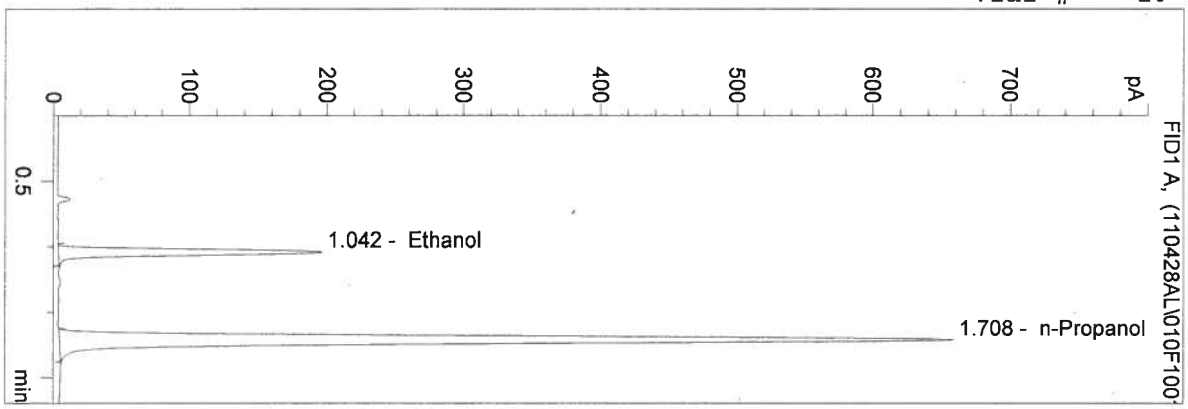
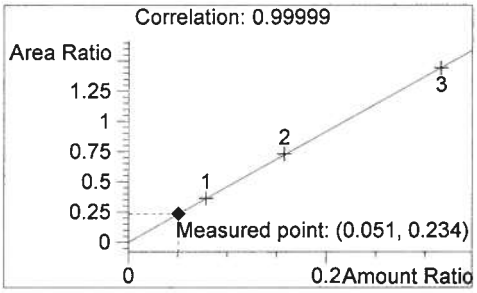
4/28/2011 3:45:17 PM
Instrument 1
DB-ALC1

qap0.04 11014 #1
asa louis

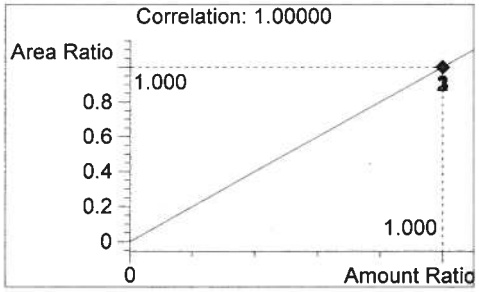
vial # 10



#	Compound	Area	RT
1	Ethanol	601	1.042
2	n-Propanol	2567	1.708
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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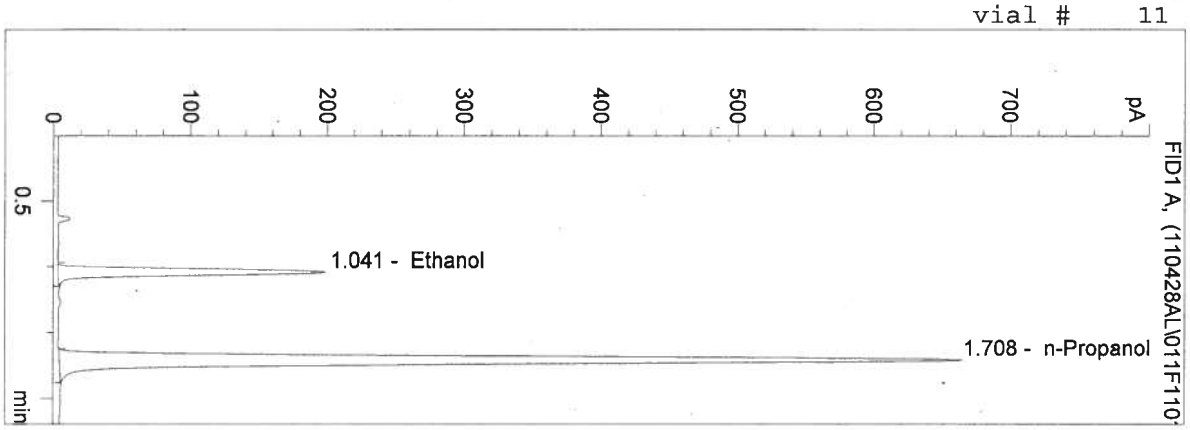
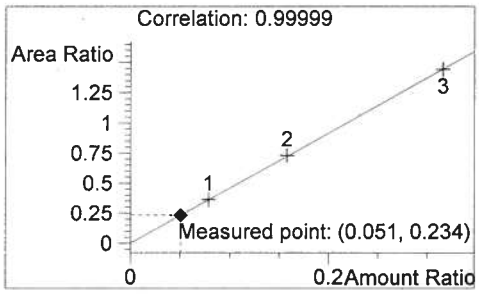
Instrument 1
DB-ALC1

qap0.04 11014 #2
asa louis

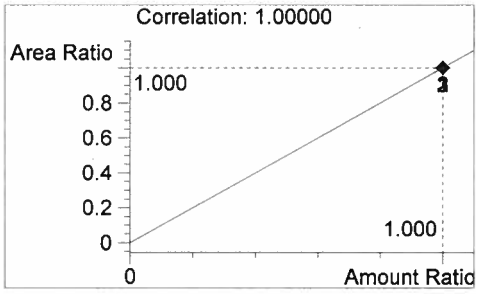
vial # 11



#	Compound	Area	RT
1	Ethanol	605	1.041
2	n-Propanol	2587	1.708
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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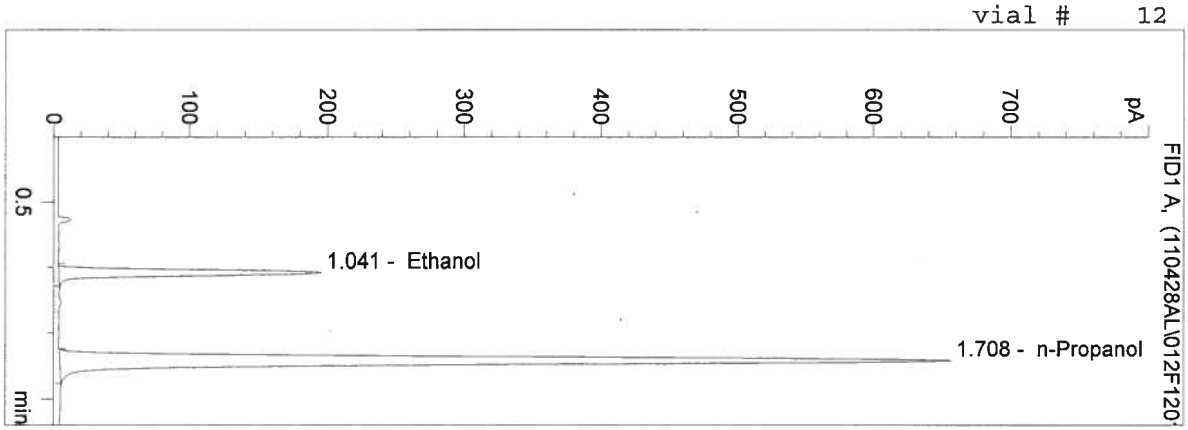
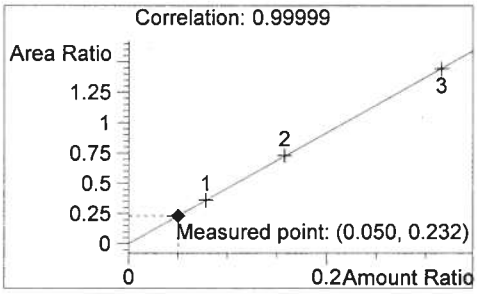
Instrument 1
DB-ALC1

qap0.04 11014 #3
asa louis

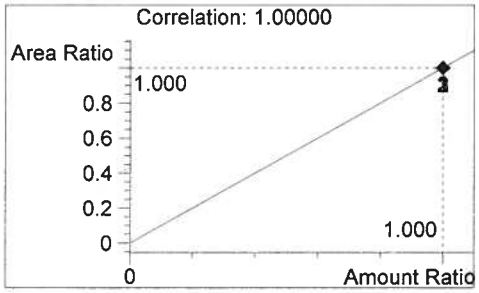
vial # 12



#	Compound	Area	RT
1	Ethanol	592	1.041
2	n-Propanol	2547	1.708
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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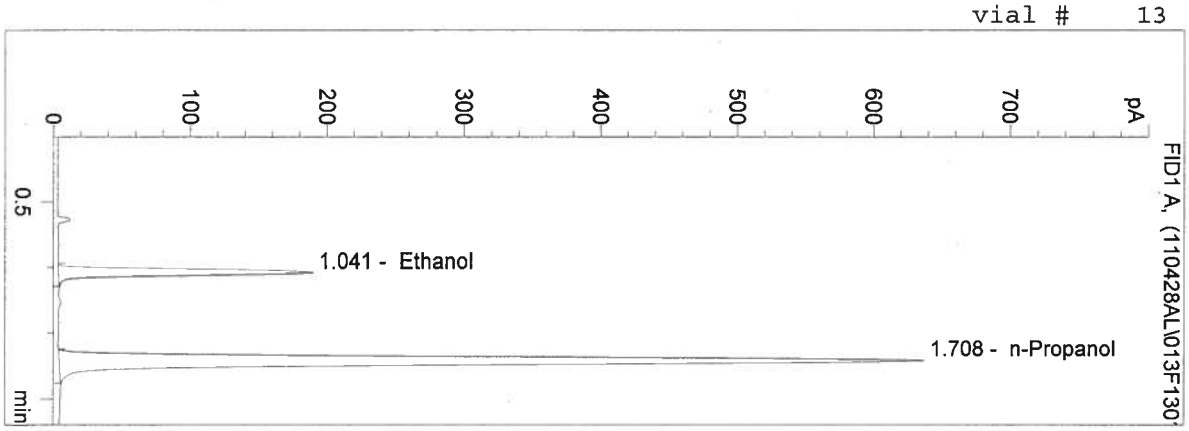
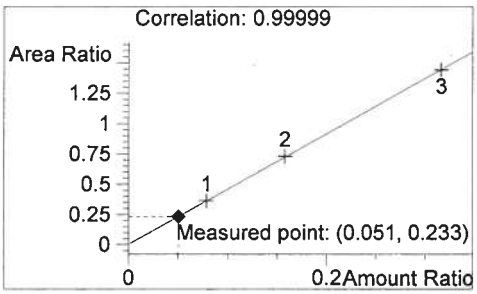
Instrument 1
DB-ALC1

qap0.04 11014 #4
asa louis

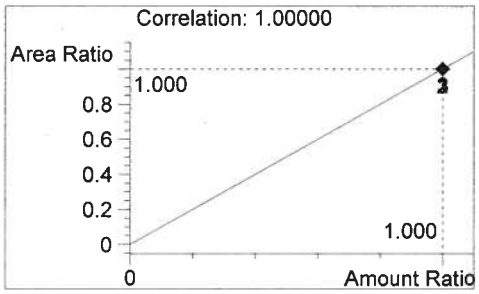
vial # 13



#	Compound	Area	RT
1	Ethanol	575	1.041
2	n-Propanol	2469	1.708
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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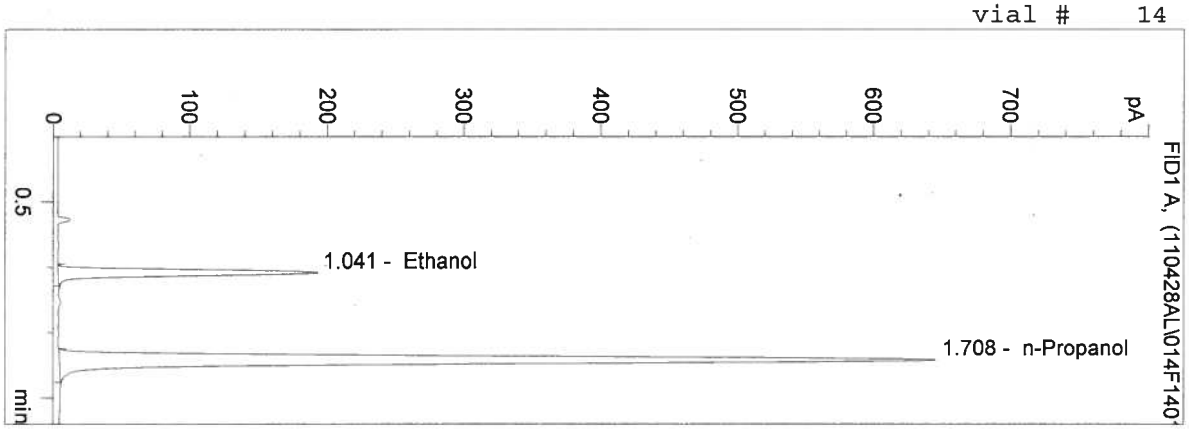
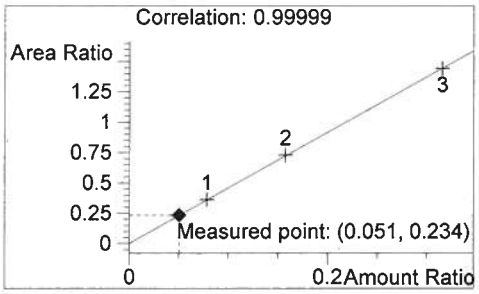
Instrument 1
DB-ALC1

qap0.04 11014 #5
asa louis

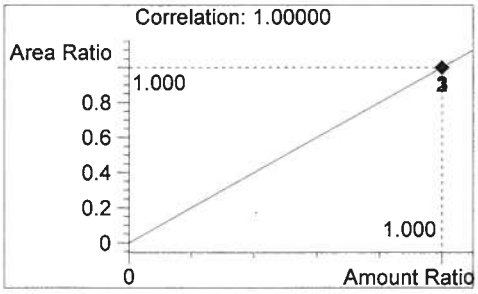
vial # 14



#	Compound	Area	RT
1	Ethanol	585	1.041
2	n-Propanol	2503	1.708
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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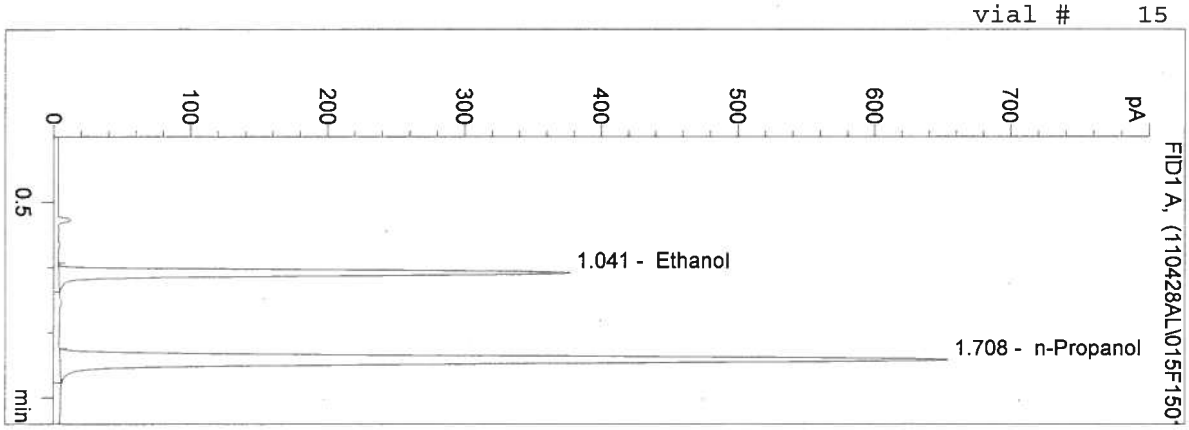
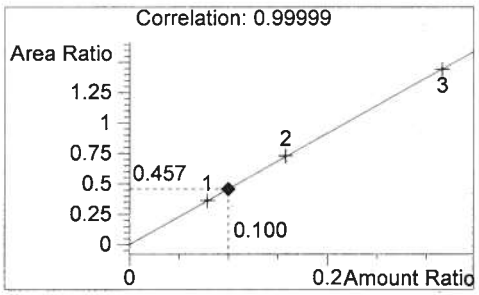
Instrument 1
DB-ALC1

0.10 ctrl - al
asa louis

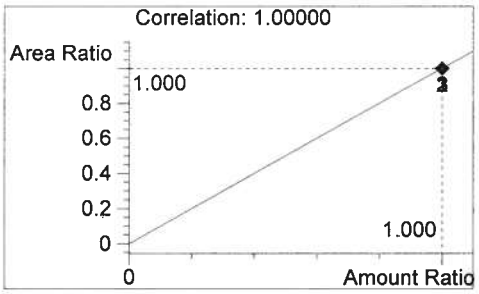
vial # 15



#	Compound	Area	RT
1	Ethanol	1164	1.041
2	n-Propanol	2545	1.708
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

11014

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WASHINGTON STATE TOXICOLOGY LABORATORY

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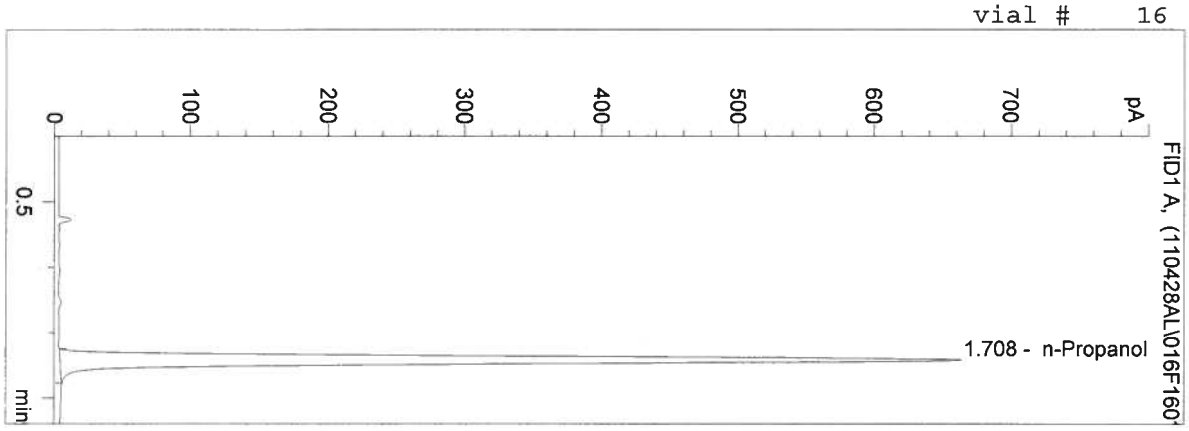
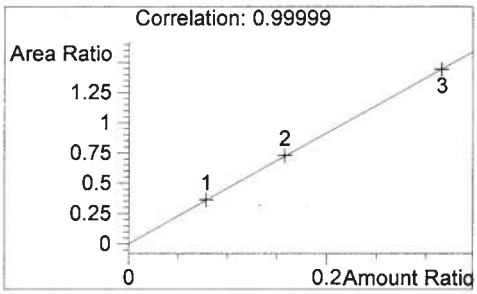
4/28/2011 4:03:46 PM
Instrument 1
DB-ALC1

neg ctrl - al
asa louis

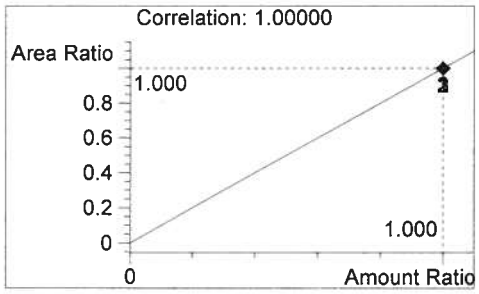
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2589	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

AL 20110429

11014

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Sequence Parameters:

Operator:	Christie Mitchell
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:	110503CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A073849 - exp 07/2014

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 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	11014 #1	SIMALC1	1	Sample		
11	Vial 11	11014 #2	SIMALC1	1	Sample		
12	Vial 12	11014 #3	SIMALC1	1	Sample		
13	Vial 13	11014 #4	SIMALC1	1	Sample		
14	Vial 14	11014 #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		
17	Vial 17	11015 #1	SIMALC1	1	Sample		
18	Vial 18	11015 #2	SIMALC1	1	Sample		
19	Vial 19	11015 #3	SIMALC1	1	Sample		
20	Vial 20	11015 #4	SIMALC1	1	Sample		
21	Vial 21	11015 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
24	Vial 24	11016 #1	SIMALC1	1	Sample		
25	Vial 25	11016 #2	SIMALC1	1	Sample		
26	Vial 26	11016 #3	SIMALC1	1	Sample		
27	Vial 27	11016 #4	SIMALC1	1	Sample		
28	Vial 28	11016 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
31	Vial 31	11017 #1	SIMALC1	1	Sample		
32	Vial 32	11017 #2	SIMALC1	1	Sample		

Calibrator data filed with 11014

11014

11016

11017

CM

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	11017 #3	SIMALC1	1	Sample		
34	Vial 34	11017 #4	SIMALC1	1	Sample		
35	Vial 35	11017 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
37	Vial 37	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!

11014

11016

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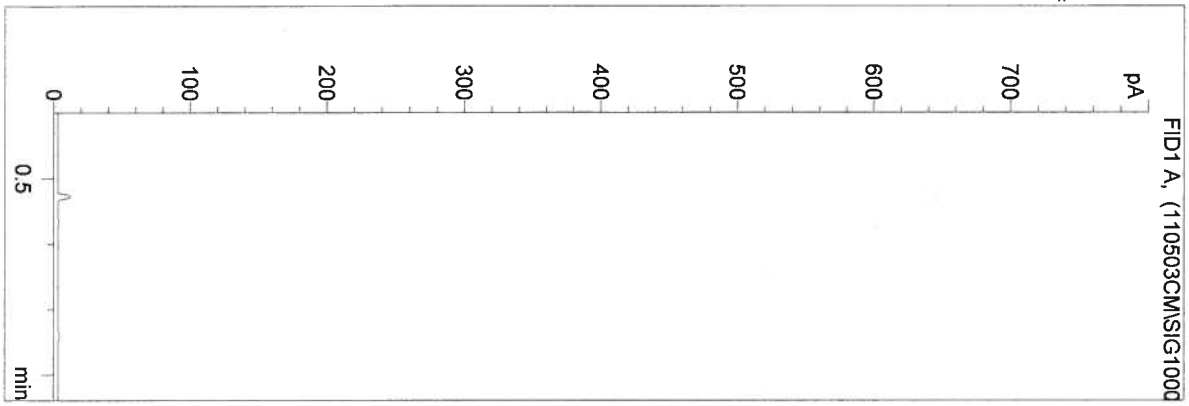
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

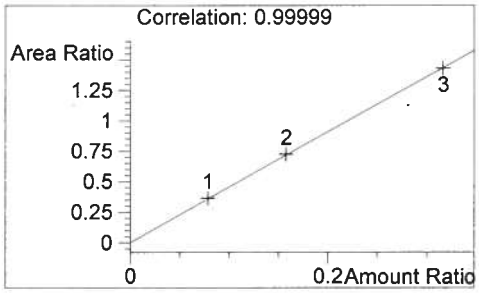
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 12:58:05 PM
Instrument 1
DB-ALC1

BLANK
Christie Mitchell

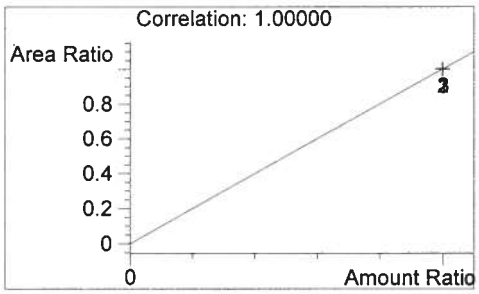
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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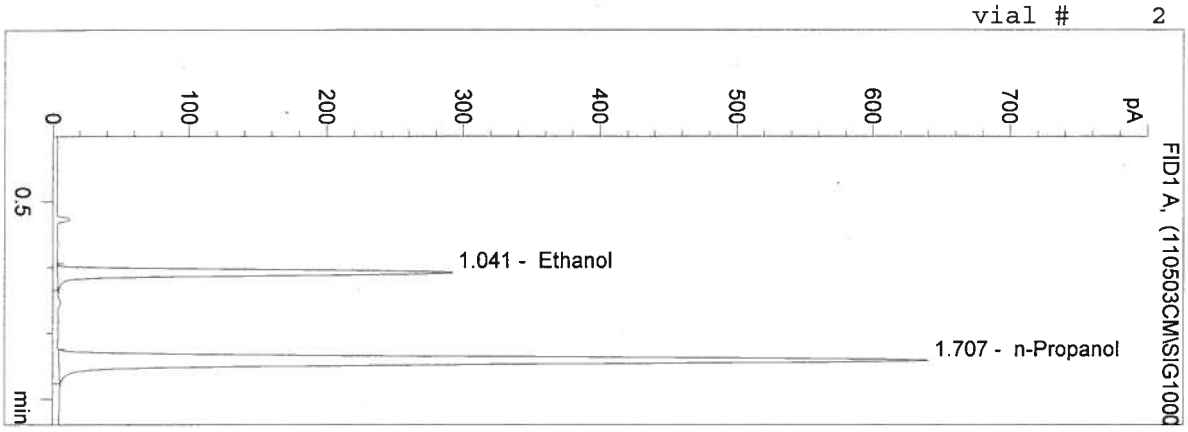
WASHINGTON STATE TOXICOLOGY LABORATORY

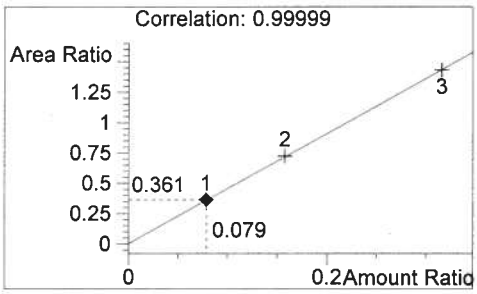
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:01:10 PM
Instrument 1
DB-ALC1

0.079 CAL 1
Christie Mitchell

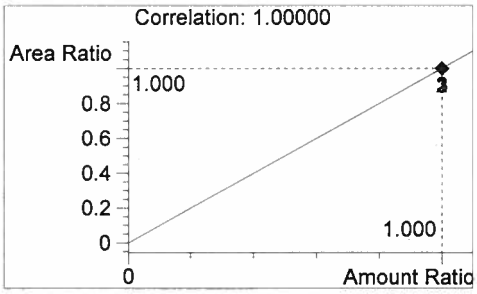
vial # 2



#	Compound	Area	RT
1	Ethanol	901	1.041
2	n-Propanol	2495	1.707
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

11014
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CM

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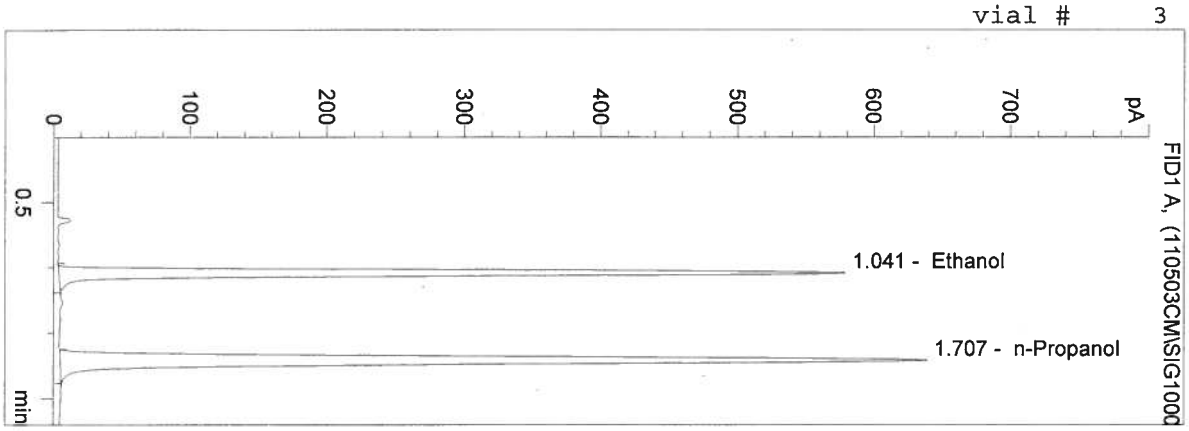
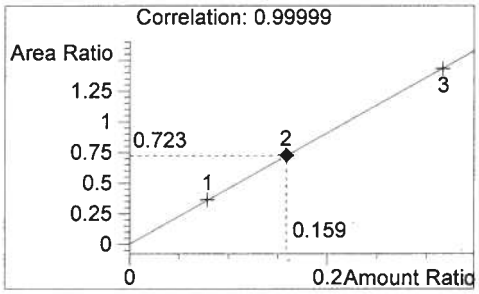
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:04:15 PM
Instrument 1
DB-ALC1

0.158 CAL 2
Christie Mitchell

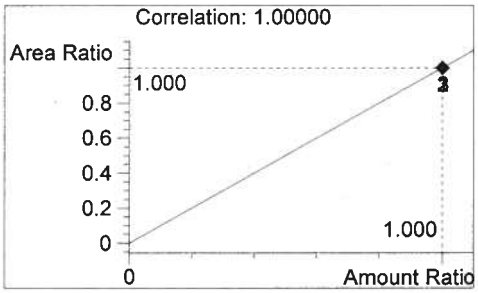
vial # 3



#	Compound	Area	RT
1	Ethanol	1801	1.041
2	n-Propanol	2492	1.707
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

11014
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11017

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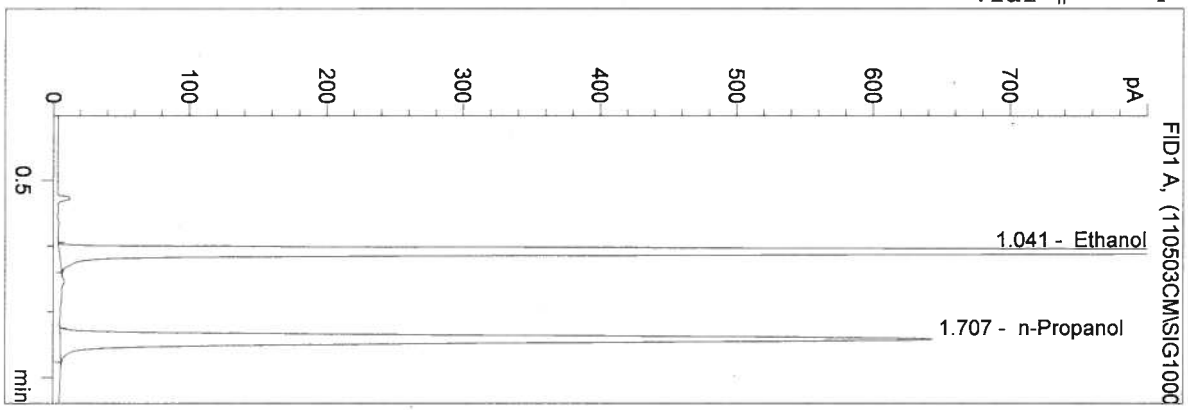
WASHINGTON STATE TOXICOLOGY LABORATORY

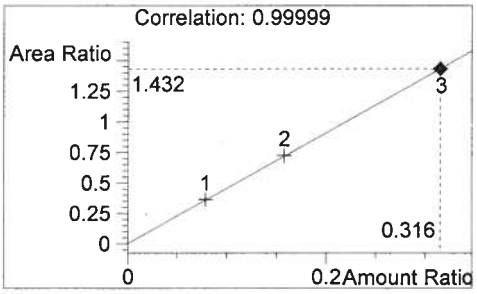
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:07:19 PM
Instrument 1
DB-ALC1

0.316 CAL 3
Christie Mitchell

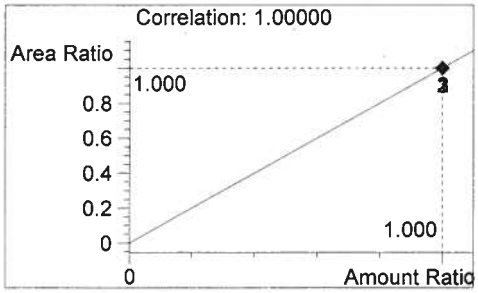
vial # 4



#	Compound	Area	RT
1	Ethanol	3583	1.041
2	n-Propanol	2502	1.707
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

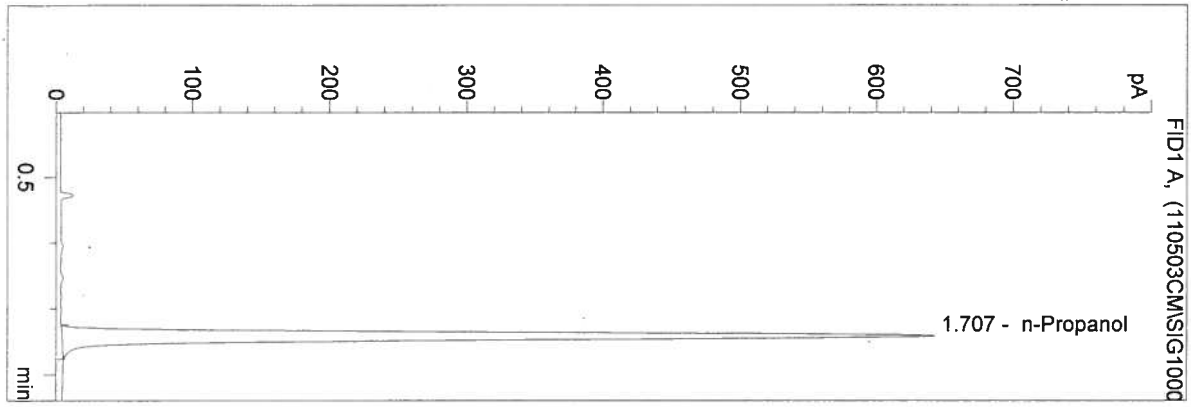
11014
11016
11017

WASHINGTON STATE TOXICOLOGY LABORATORY

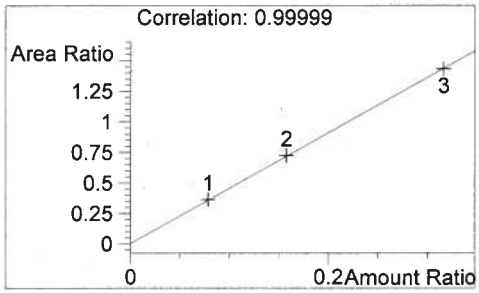
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:10:24 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell

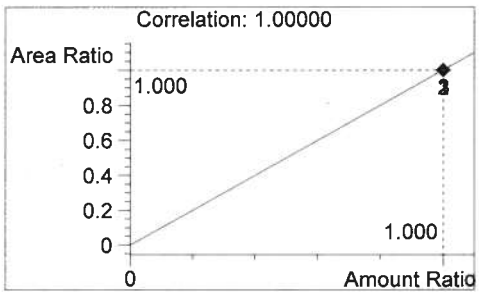
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2502	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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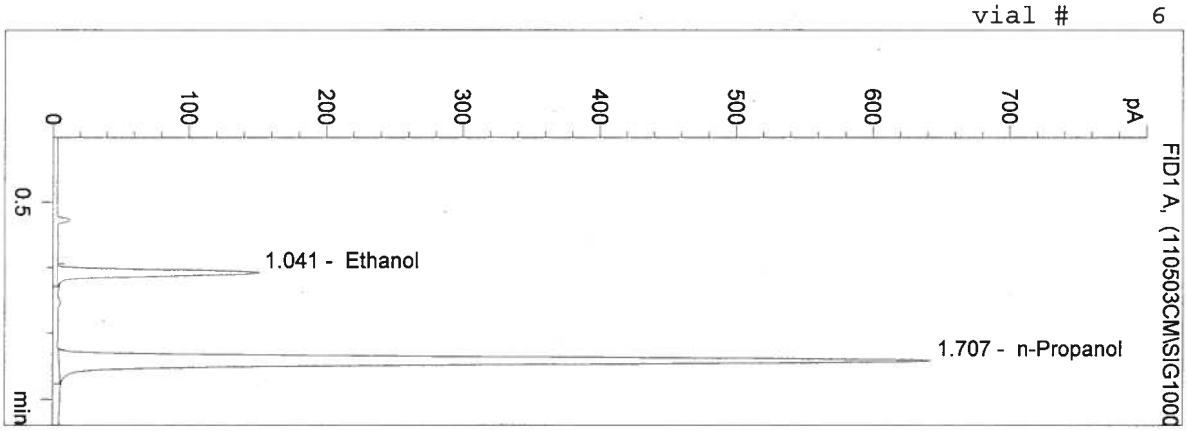
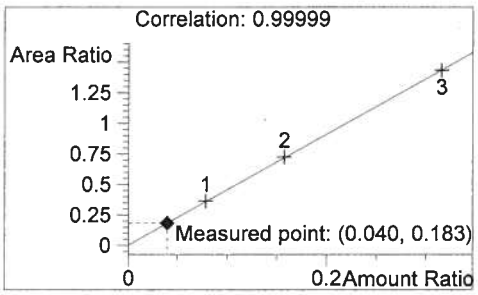
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:13:29 PM
Instrument 1
DB-ALC1

0.04 CTRL - CM
Christie Mitchell

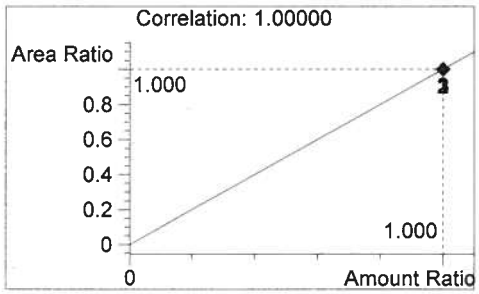
vial # 6



#	Compound	Area	RT
1	Ethanol	457	1.041
2	n-Propanol	2502	1.707
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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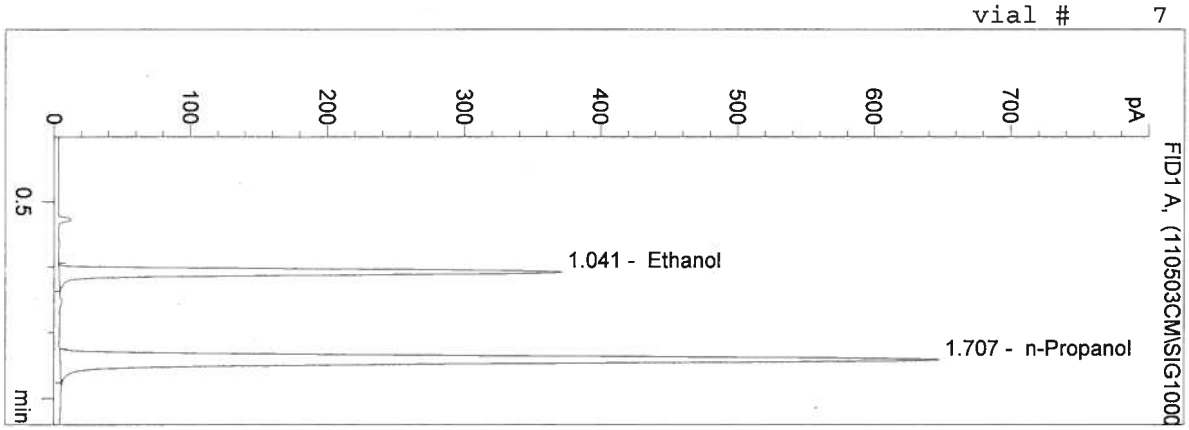
WASHINGTON STATE TOXICOLOGY LABORATORY

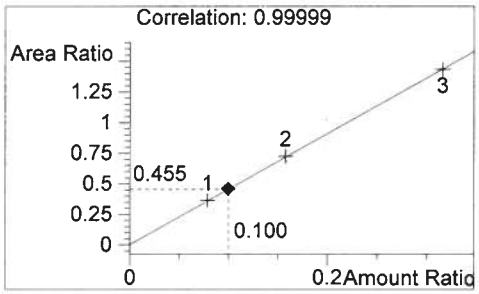
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:16:34 PM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell

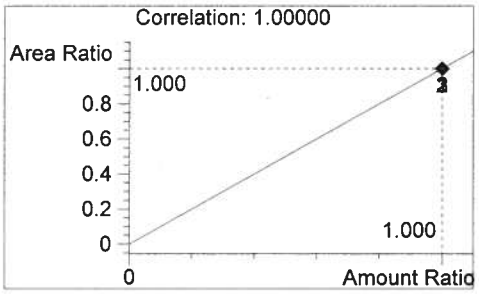
vial # 7



#	Compound	Area	RT
1	Ethanol	1149	1.041
2	n-Propanol	2524	1.707
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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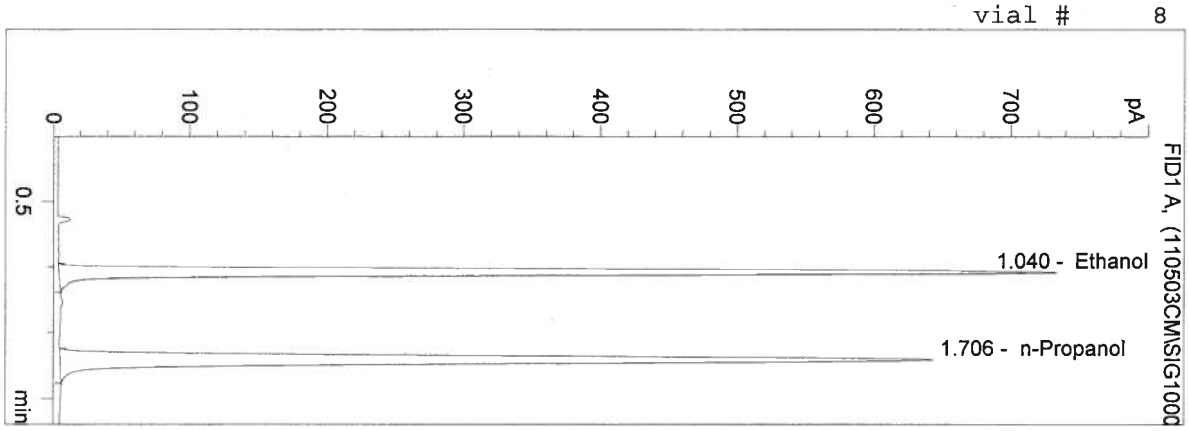
WASHINGTON STATE TOXICOLOGY LABORATORY

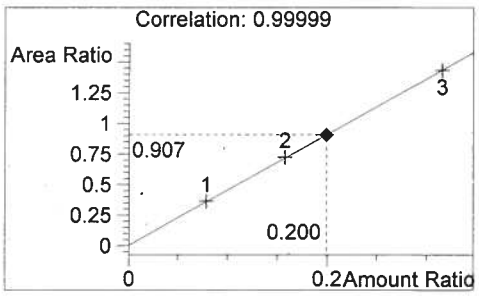
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:19:39 PM
Instrument 1
DB-ALC1

0.20 CTRL -CM
Christie Mitchell

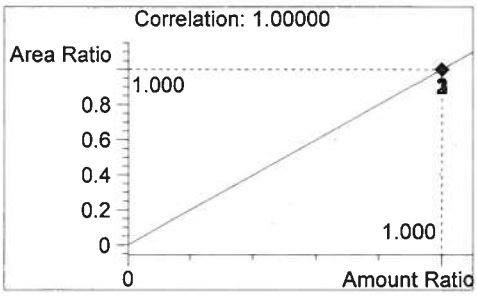
vial # 8



#	Compound	Area	RT
1	Ethanol	2269	1.040
2	n-Propanol	2502	1.706
Tot			



Ethanol 0.200 g/100 mL



n-Propanol 1.000 g/100 mL

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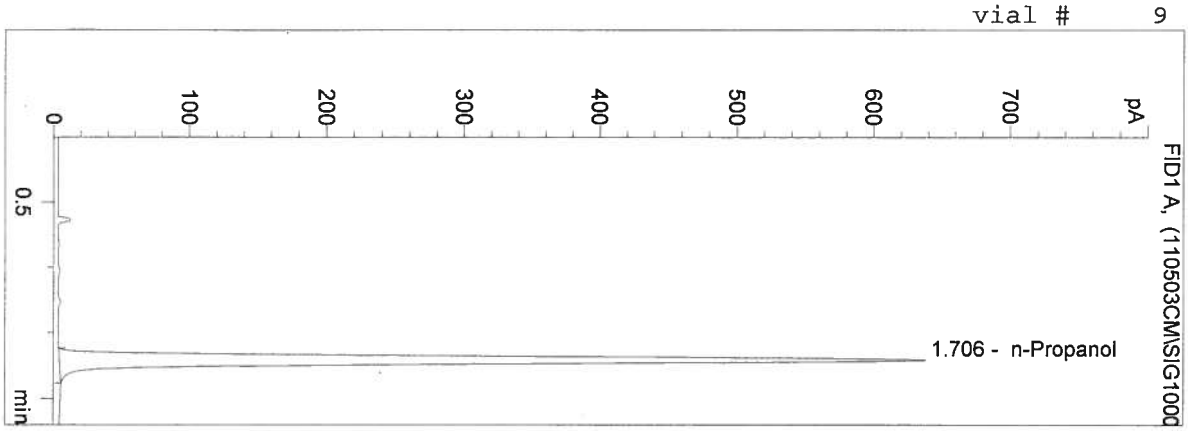
WASHINGTON STATE TOXICOLOGY LABORATORY

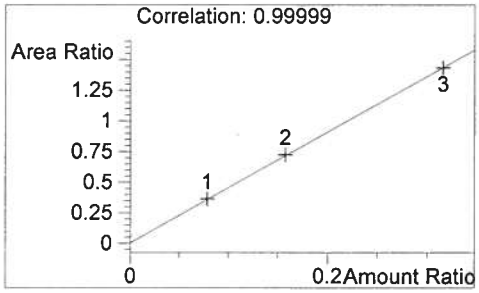
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:22:43 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell

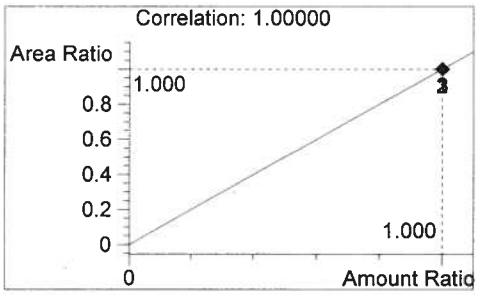
vial # 9



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



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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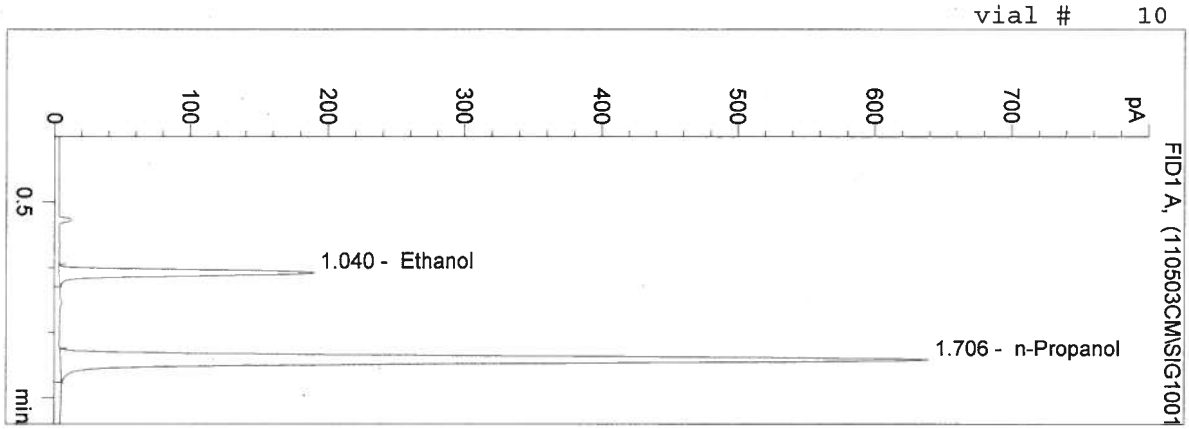
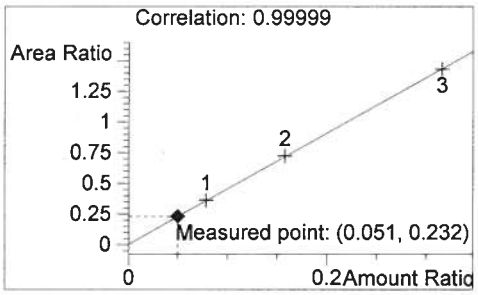
5/3/2011 1:25:48 PM
Instrument 1
DB-ALC1

11014 #1
Christie Mitchell

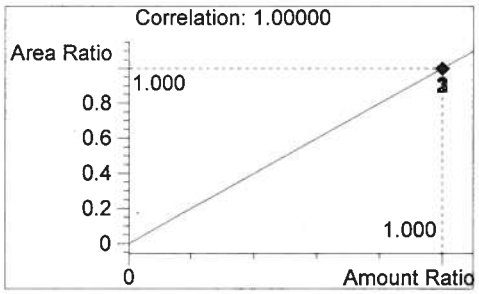
vial # 10



#	Compound	Area	RT
1	Ethanol	576	1.040
2	n-Propanol	2484	1.706
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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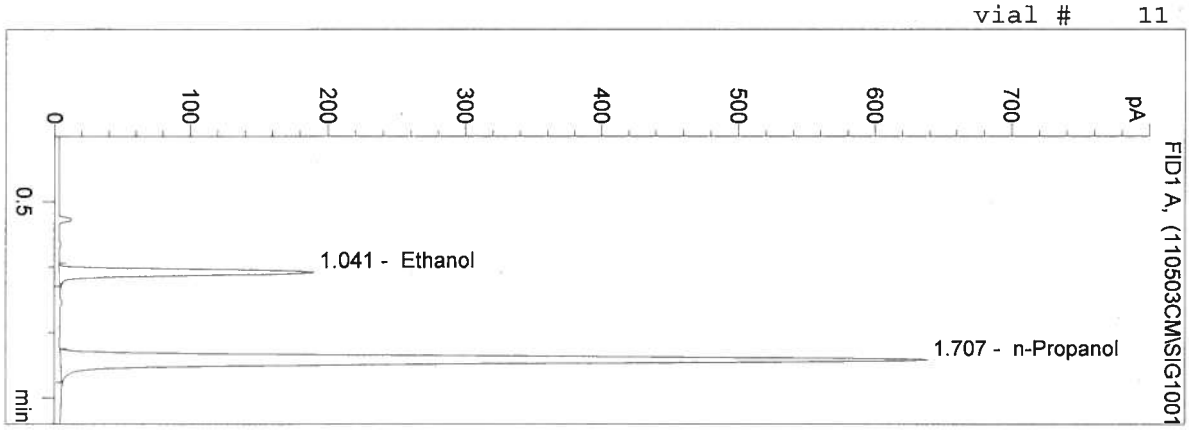
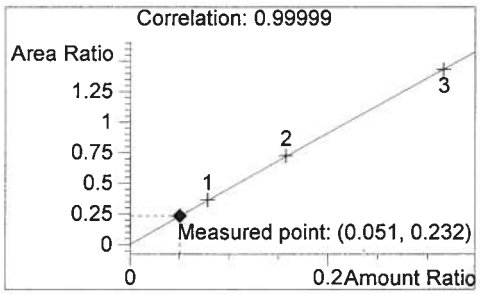
Instrument 1
DB-ALC1

11014 #2
Christie Mitchell

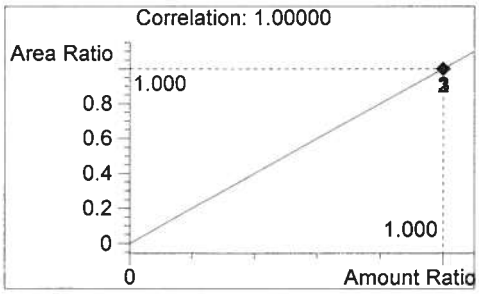
vial # 11



#	Compound	Area	RT
1	Ethanol	576	1.041
2	n-Propanol	2484	1.707
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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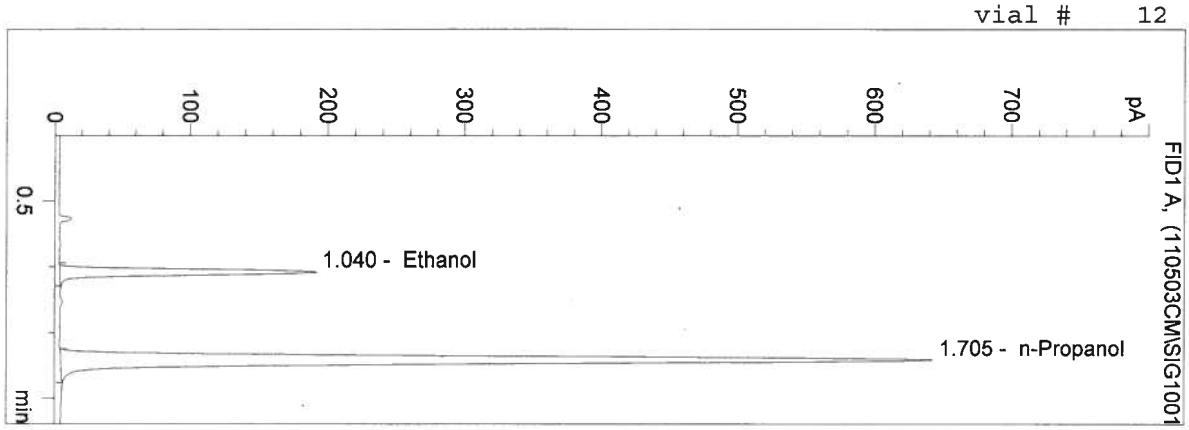
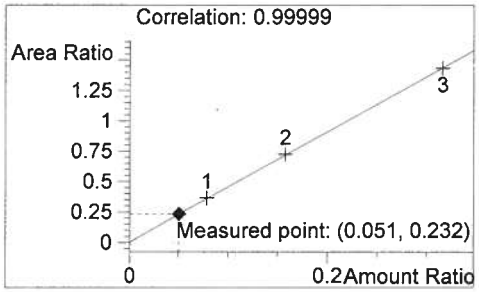
Instrument 1
DB-ALC1

11014 #3
Christie Mitchell

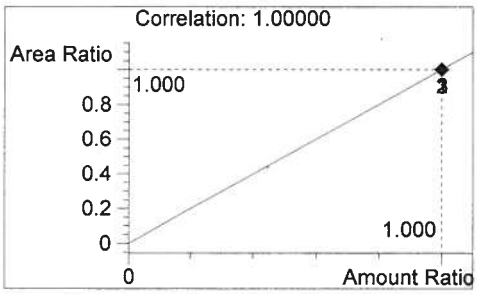
vial # 12



#	Compound	Area	RT
1	Ethanol	578	1.040
2	n-Propanol	2491	1.705
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

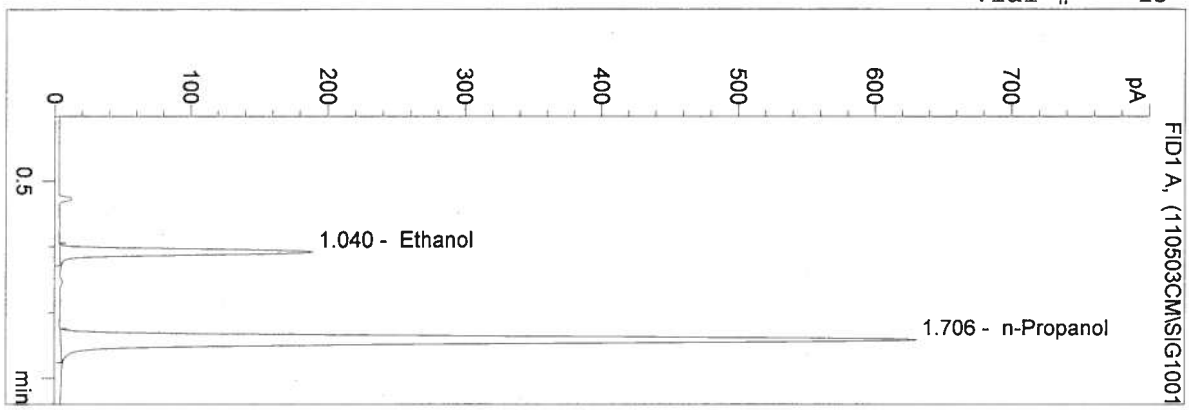
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

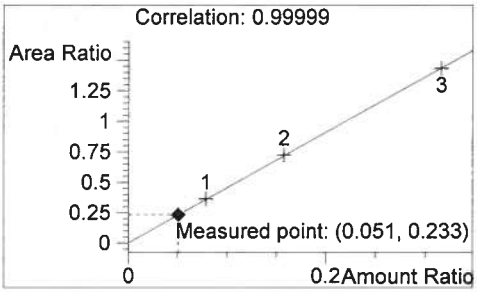
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:35:02 PM
Instrument 1
DB-ALC1

11014 #4
Christie Mitchell

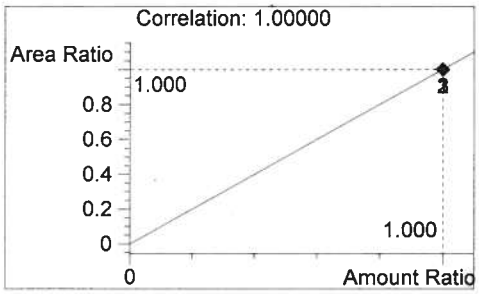
vial # 13



#	Compound	Area	RT
1	Ethanol	570	1.040
2	n-Propanol	2450	1.706
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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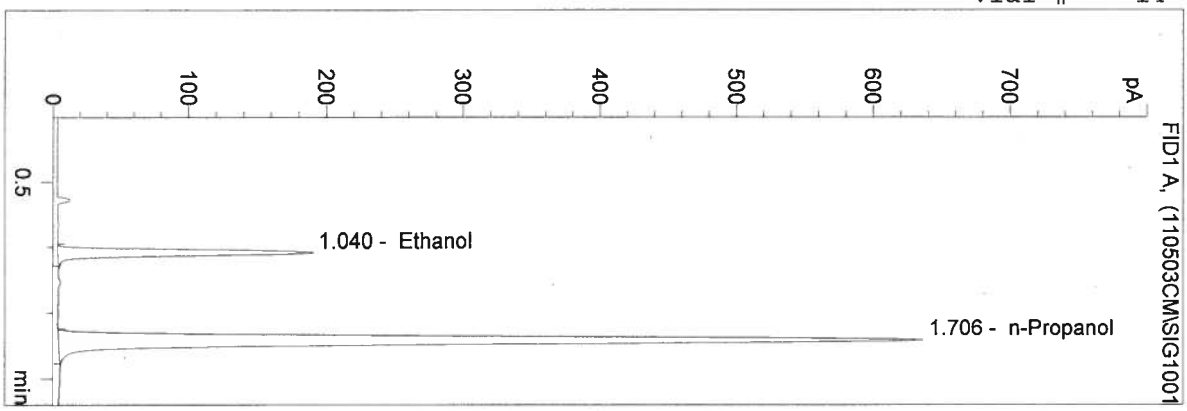
WASHINGTON STATE TOXICOLOGY LABORATORY

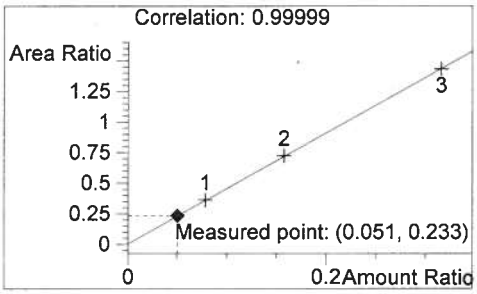
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:38:07 PM
Instrument 1
DB-ALC1

11014 #5
Christie Mitchell

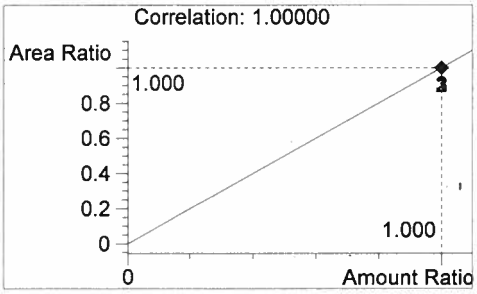
vial # 14



#	Compound	Area	RT
1	Ethanol	576	1.040
2	n-Propanol	2471	1.706
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

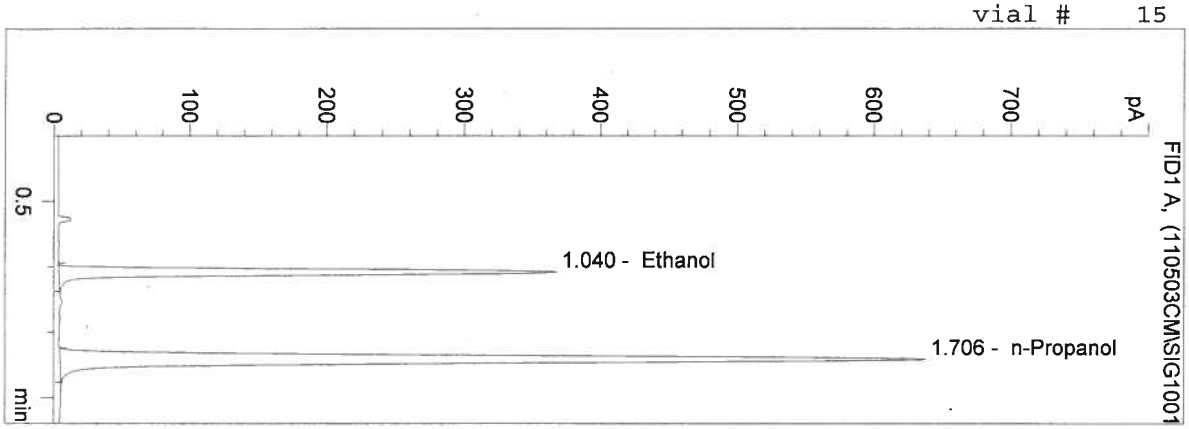
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

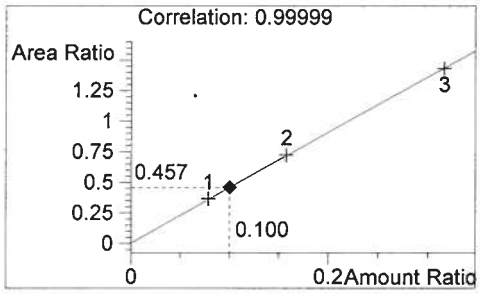
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:41:12 PM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell

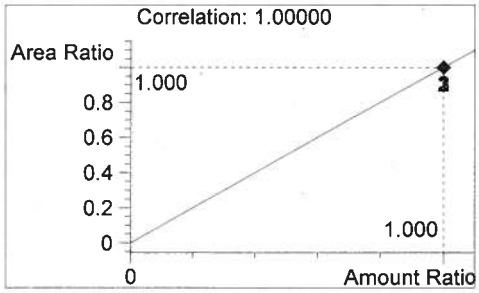
vial # 15



#	Compound	Area	RT
1	Ethanol	1134	1.040
2	n-Propanol	2484	1.706
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

11014

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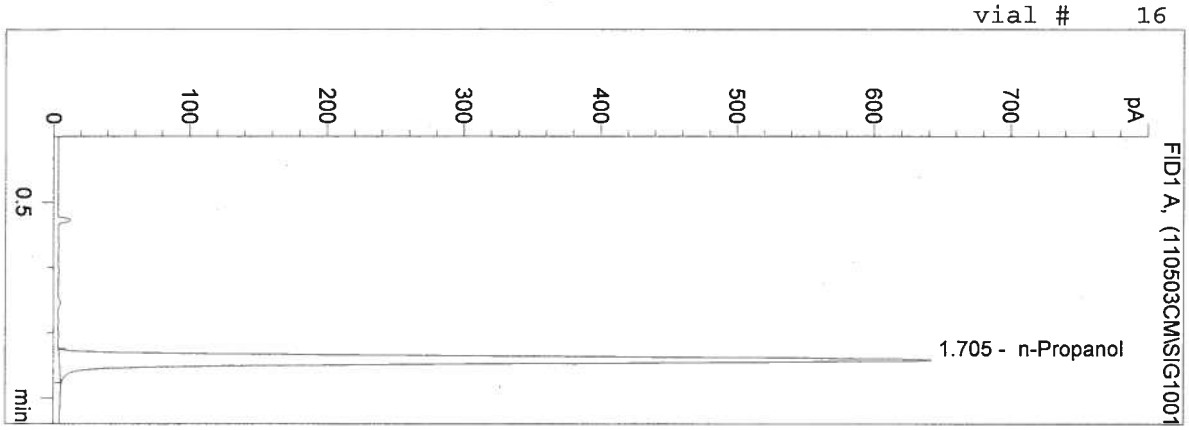
WASHINGTON STATE TOXICOLOGY LABORATORY

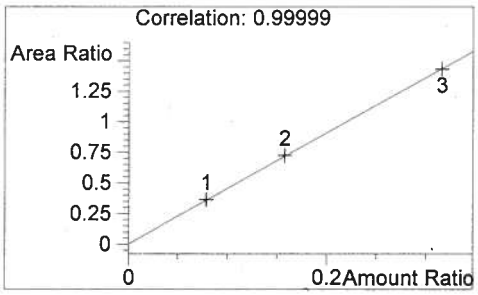
C:\HPCHEM\1\METHODS\SIMALC1.M
5/3/2011 1:44:16 PM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell

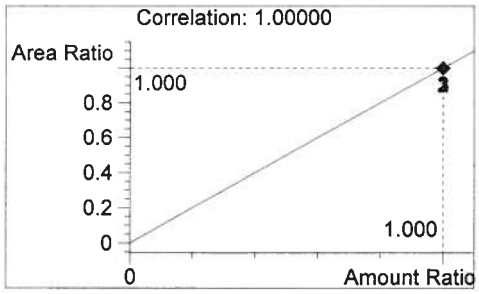
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2498	1.705
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11014

CM

Sequence Parameters:

Operator:	Sarah Swenson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	110504S
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A073849 - exp 07/2014

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	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL	SIMALC1	1	Calib		
5	Vial 5	NEG CONTROL-SS	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-SS	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-SS	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-SS	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-SS	SIMALC1	1	Ctrl Samp		
10	Vial 10	11014 #1	SIMALC1	1	Sample		
11	Vial 11	11014 #2	SIMALC1	1	Sample		
12	Vial 12	11014 #3	SIMALC1	1	Sample		
13	Vial 13	11014 #4	SIMALC1	1	Sample		
14	Vial 14	11014 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CONTROL-SS	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-SS	SIMALC1	1	Ctrl Samp		
17	Vial 17	11016 #1	SIMALC1	1	Sample		
18	Vial 18	11016 #2	SIMALC1	1	Sample		
19	Vial 19	11016 #3	SIMALC1	1	Sample		
20	Vial 20	11016 #4	SIMALC1	1	Sample		
21	Vial 21	11016 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CONTROL-SS	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CONTROL-SS	SIMALC1	1	Ctrl Samp		
24	Vial 24	11017 #1	SIMALC1	1	Sample		
25	Vial 25	11017 #2	SIMALC1	1	Sample		
26	Vial 26	11017 #3	SIMALC1	1	Sample		
27	Vial 27	11017 #4	SIMALC1	1	Sample		
28	Vial 28	11017 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CONTROL-SS	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CONTROL-SS	SIMALC1	1	Ctrl Samp		

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SMS

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

Calibration Part:

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

USE OF AVERAGE t_R UPDATE APPROVED BY QA MANAGER. ALL t_R's CHECKED DURING REVIEW CONFORM TO TOLERANCE

SHS

SKLETROV-QA MGR.

5/10/11

Sequence Table (Back Injector):

No entries - empty table!

11014

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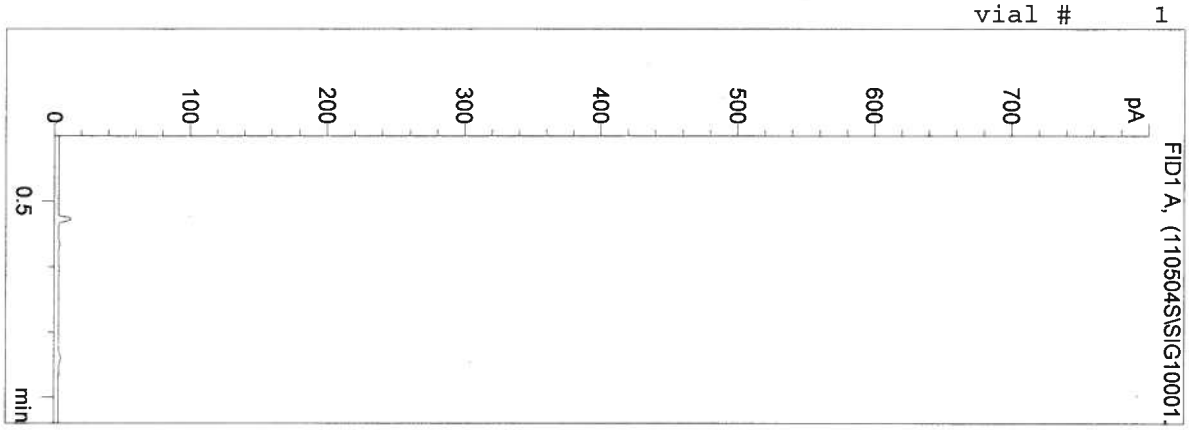
SHS

WASHINGTON STATE TOXICOLOGY LABORATORY

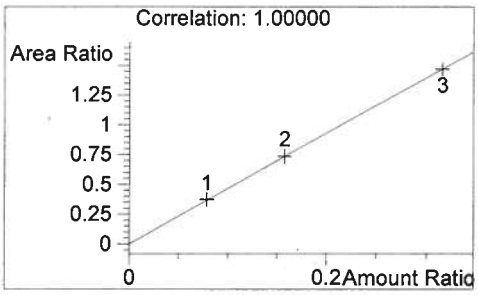
C:\HPCHEM\1\METHODS\SIMALC1.M
5/4/2011 3:01:27 PM
Instrument 1
DB-ALC1

BLANK
Sarah Swenson

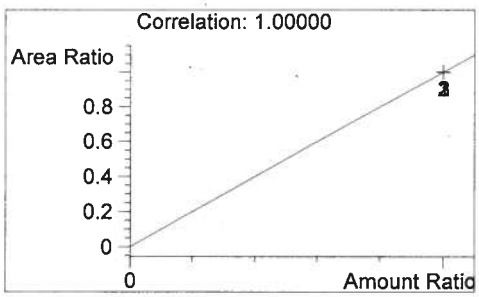
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

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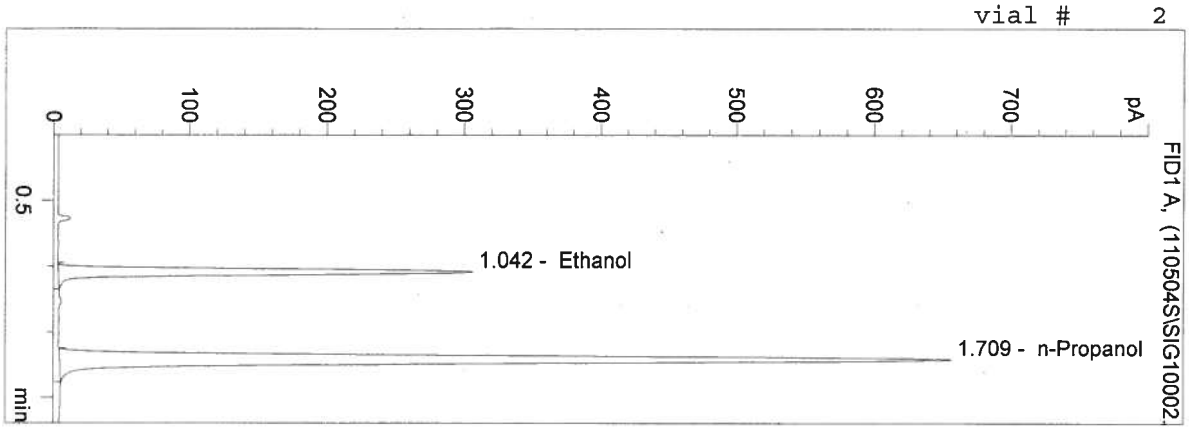
WASHINGTON STATE TOXICOLOGY LABORATORY

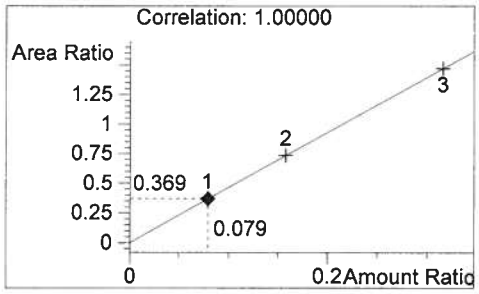
C:\HPCHEM\1\METHODS\SIMALC1.M
5/4/2011 3:04:31 PM
Instrument 1
DB-ALC1

0.079 CAL
Sarah Swenson

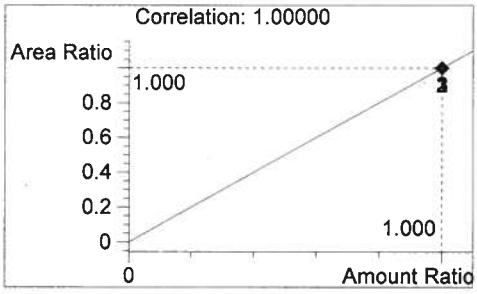
vial # 2



#	Compound	Area	RT
1	Ethanol	943	1.042
2	n-Propanol	2555	1.709
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

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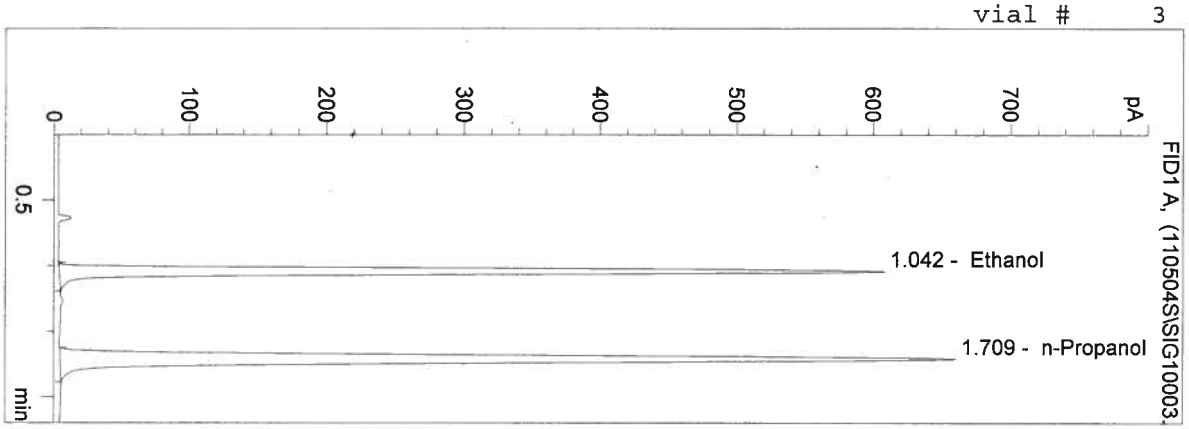
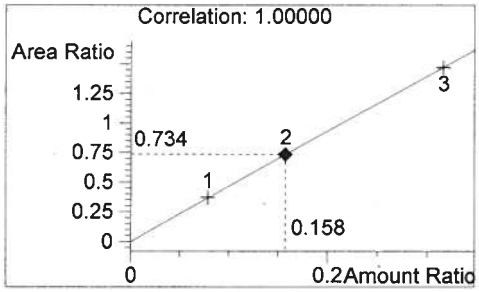
C:\HPCHEM\1\METHODS\SIMALC1.M
5/4/2011 3:07:36 PM
Instrument 1
DB-ALC1

0.158 CAL
Sarah Swenson

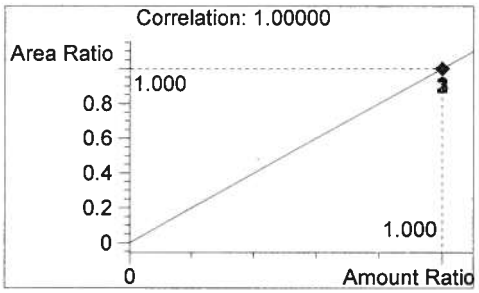
vial # 3



#	Compound	Area	RT
1	Ethanol	1884	1.042
2	n-Propanol	2566	1.709
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

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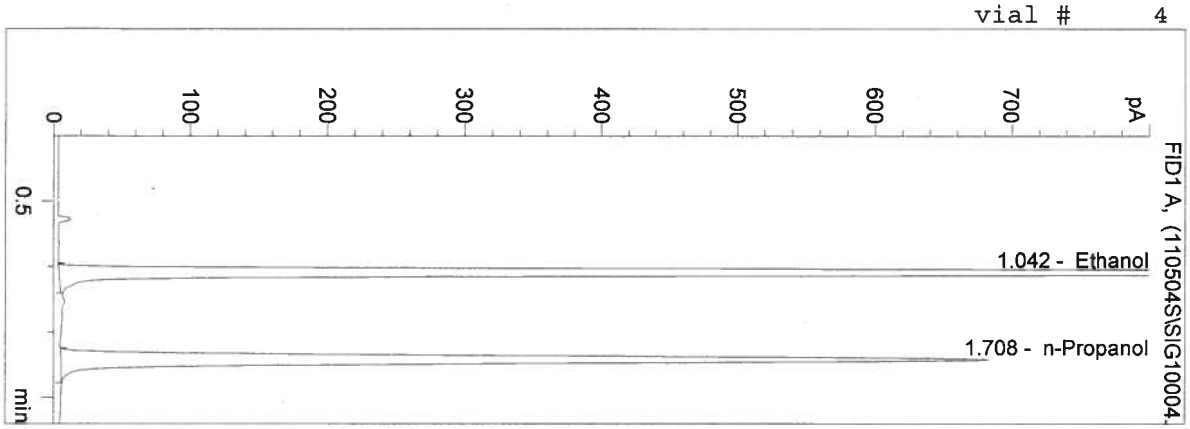
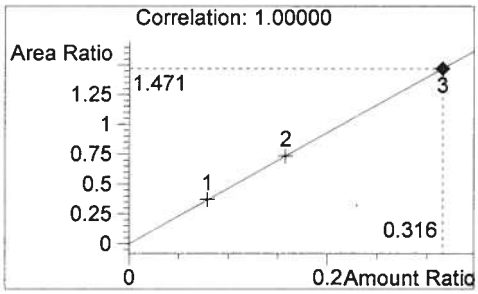
C:\HPCHEM\1\METHODS\SIMALC1.M
5/4/2011 3:10:41 PM
Instrument 1
DB-ALC1

0.316 CAL
Sarah Swenson

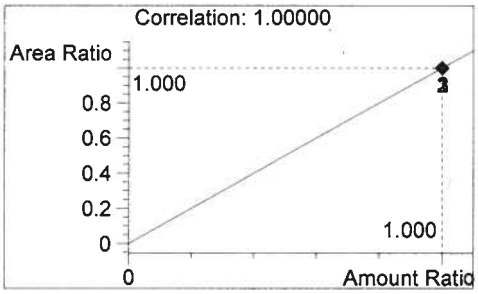
vial # 4



#	Compound	Area	RT
1	Ethanol	3898	1.042
2	n-Propanol	2650	1.708
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

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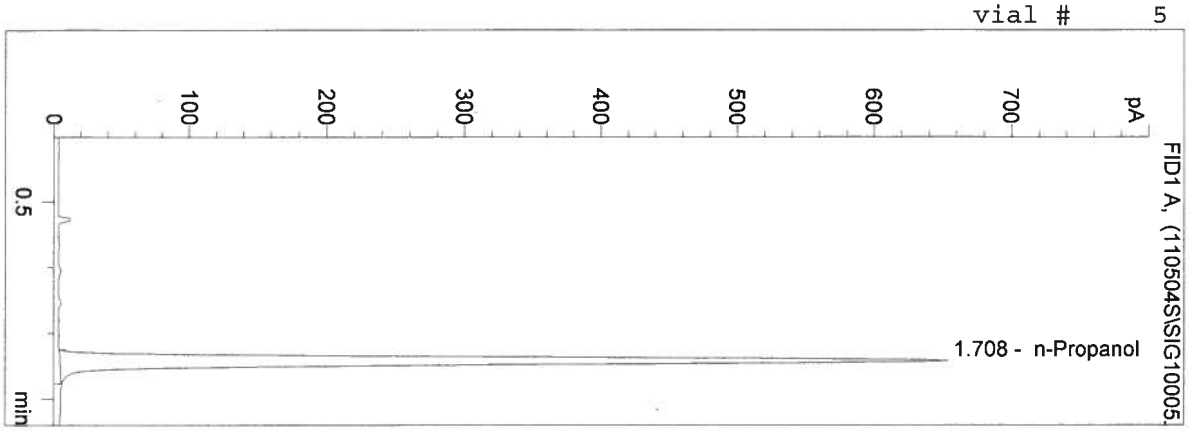
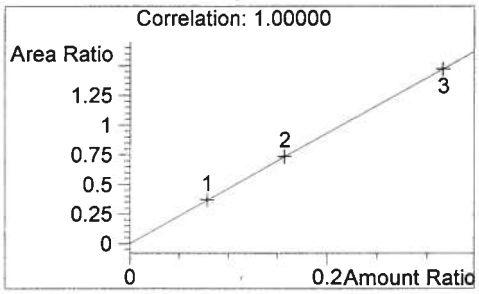
Instrument 1
DB-ALC1

NEG CONTROL-SS
Sarah Swenson

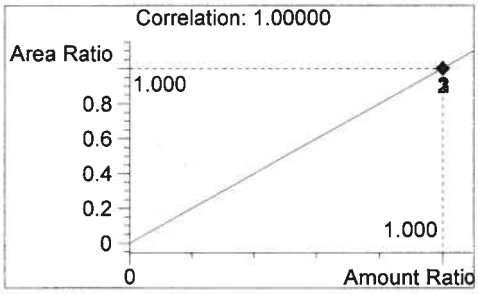
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2540	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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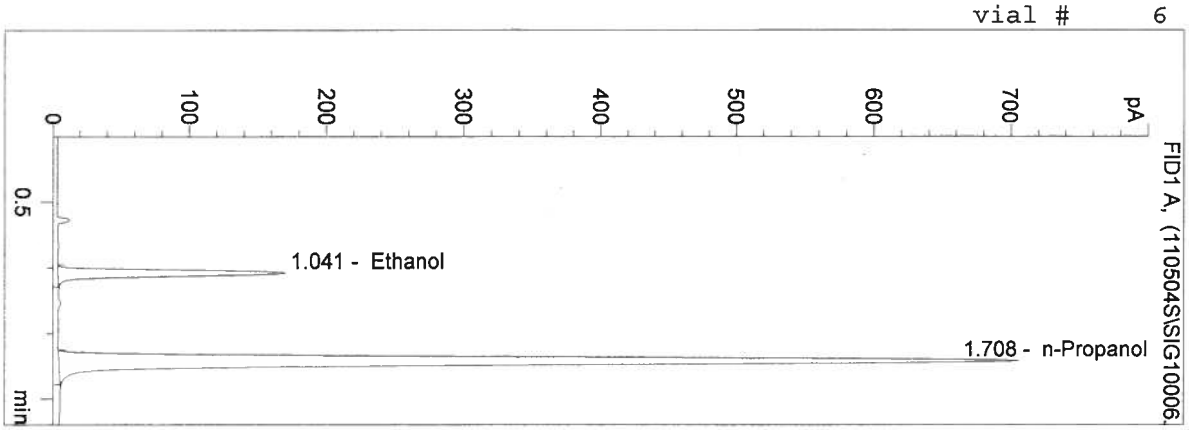
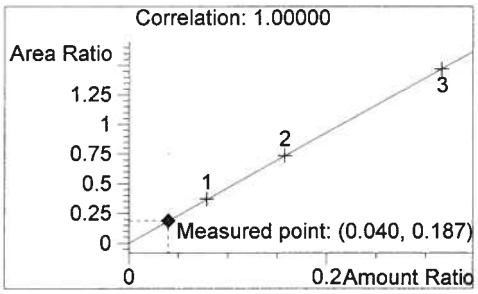
Instrument 1
DB-ALC1

0.04 CONTROL-SS
Sarah Swenson

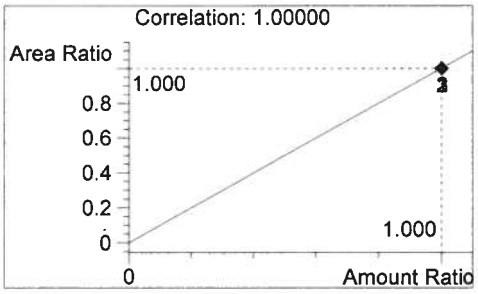
vial # 6



#	Compound	Area	RT
1	Ethanol	514	1.041
2	n-Propanol	2746	1.708
Tot			



Ethanol 0.040 g/100 mL



n-Propanol 1.000 g/100 mL

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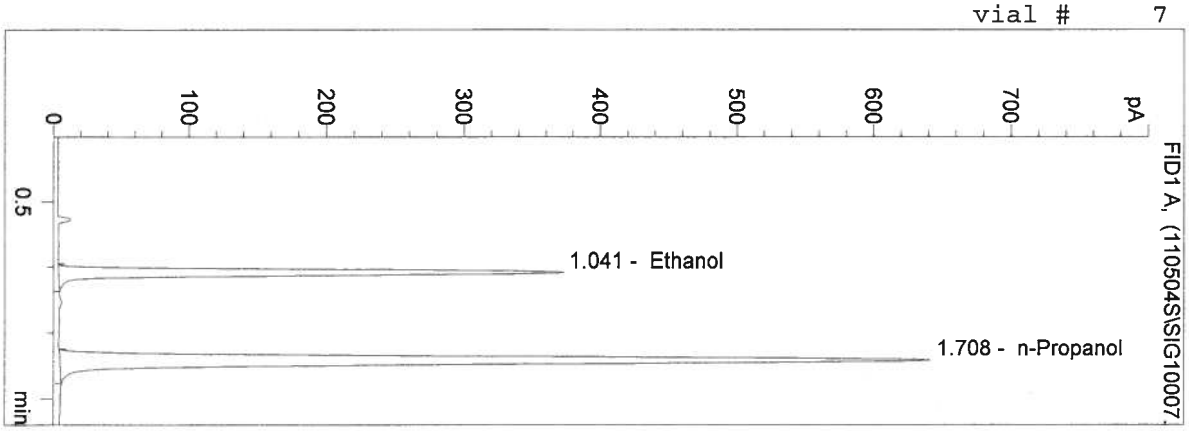
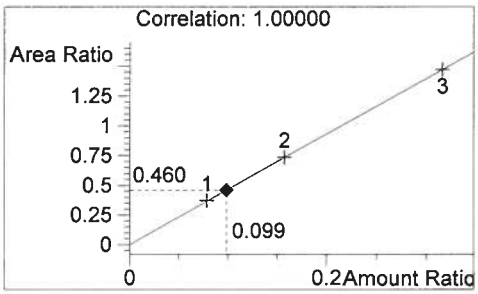
Instrument 1
DB-ALC1

0.10 CONTROL-SS
Sarah Swenson

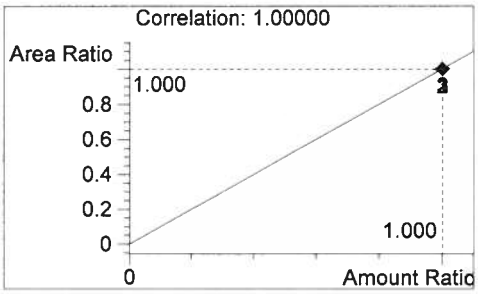
vial # 7



#	Compound	Area	RT
1	Ethanol	1145	1.041
2	n-Propanol	2491	1.708
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

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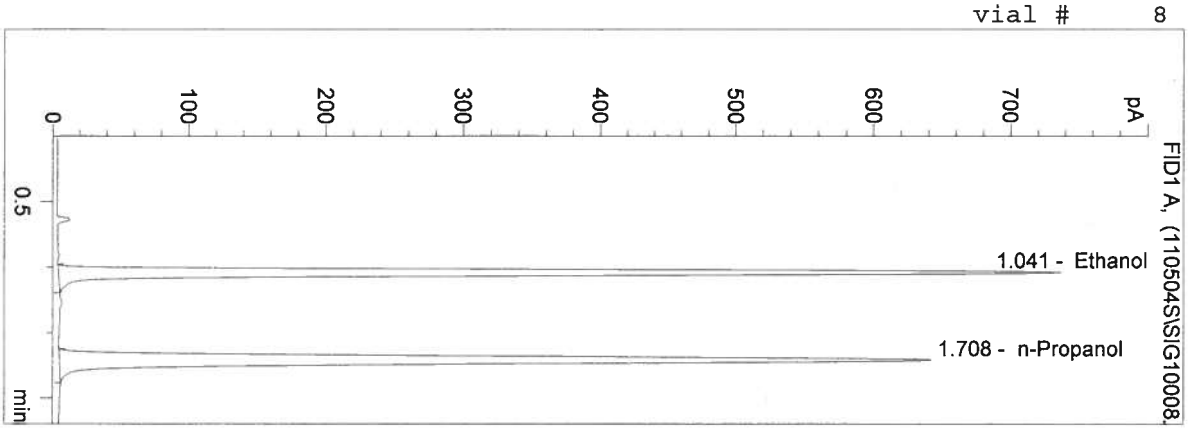
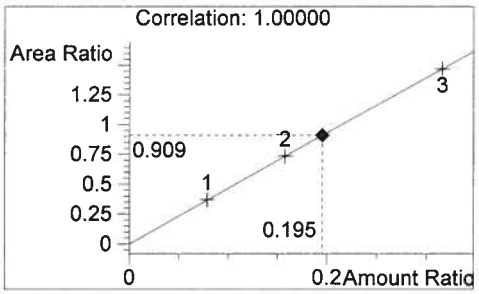
Instrument 1
DB-ALC1

0.20 CONTROL-SS
Sarah Swenson

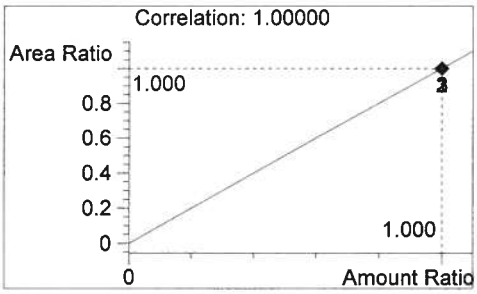
vial # 8



#	Compound	Area	RT
1	Ethanol	2271	1.041
2	n-Propanol	2497	1.708
Tot			



Ethanol 0.195 g/100 mL



n-Propanol 1.000 g/100 mL

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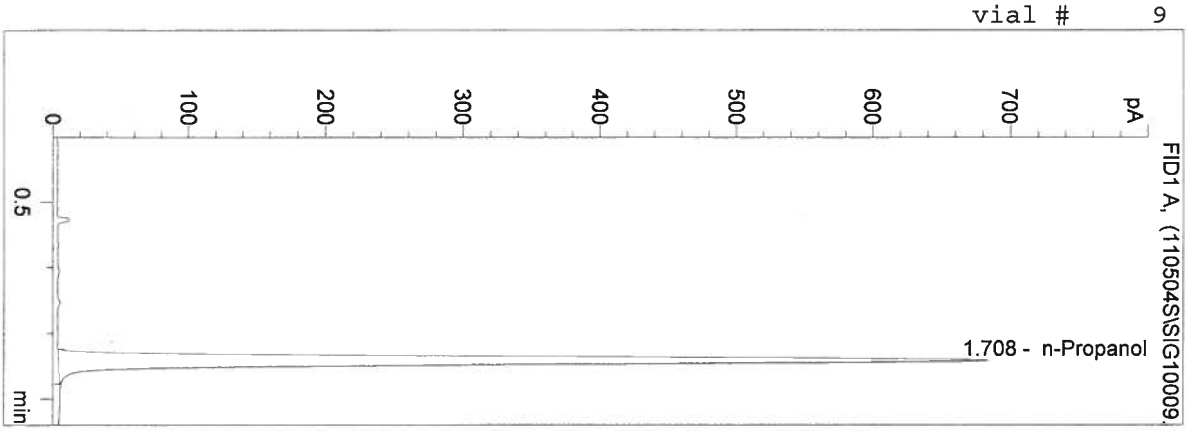
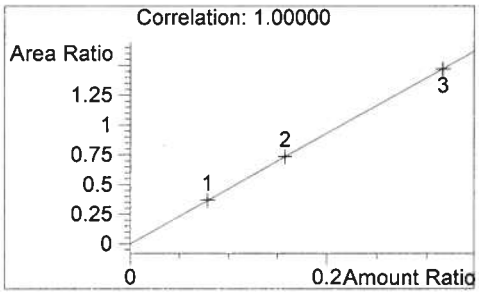
Instrument 1
DB-ALC1

NEG CONTROL-SS
Sarah Swenson

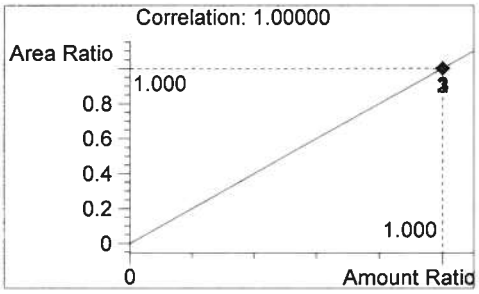
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2656	1.708
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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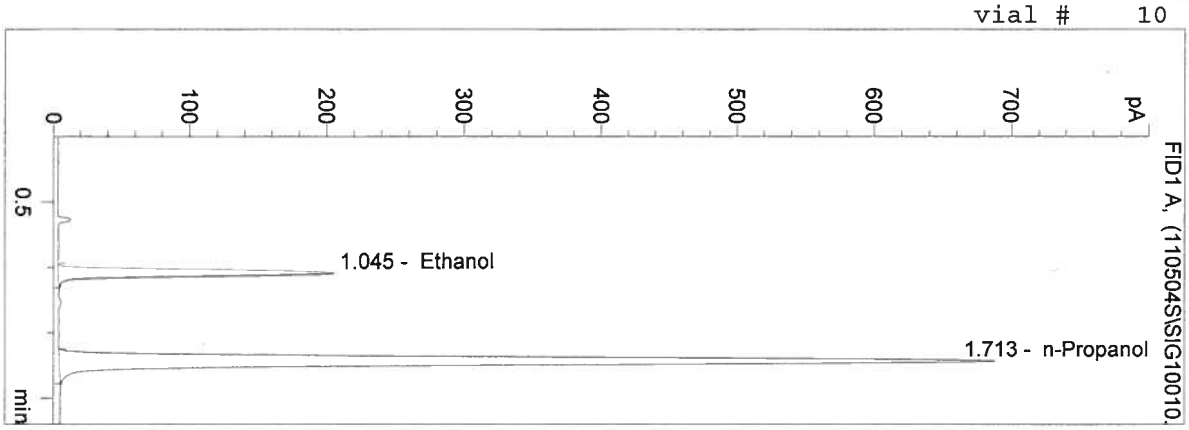
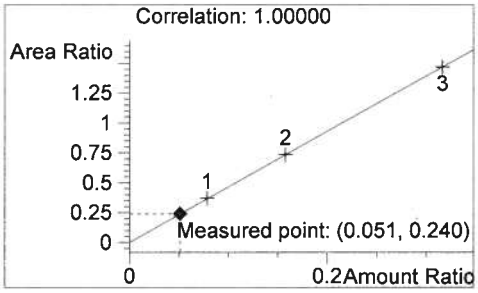
Instrument 1
DB-ALC1

11014 #1
Sarah Swenson

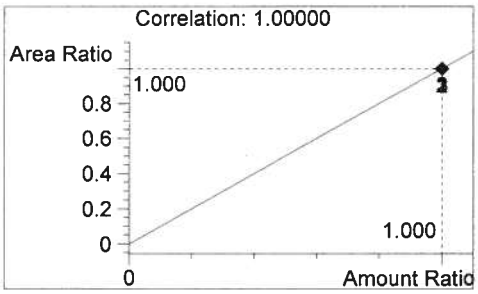
vial # 10



#	Compound	Area	RT
1	Ethanol	653	1.045
2	n-Propanol	2728	1.713
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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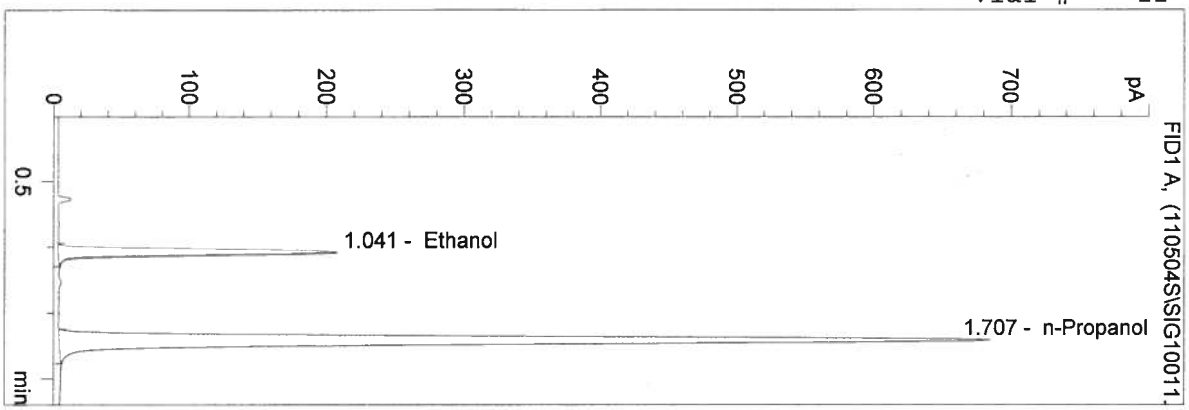
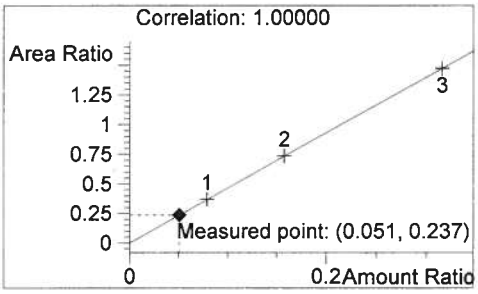
Instrument 1
DB-ALC1

11014 #2
Sarah Swenson

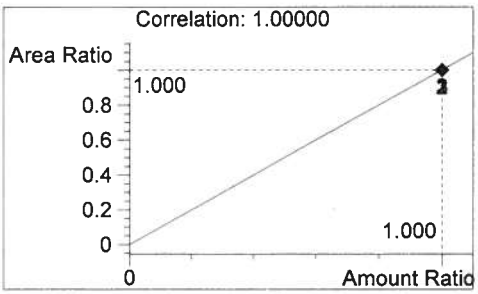
vial # 11



#	Compound	Area	RT
1	Ethanol	630	1.041
2	n-Propanol	2658	1.707
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

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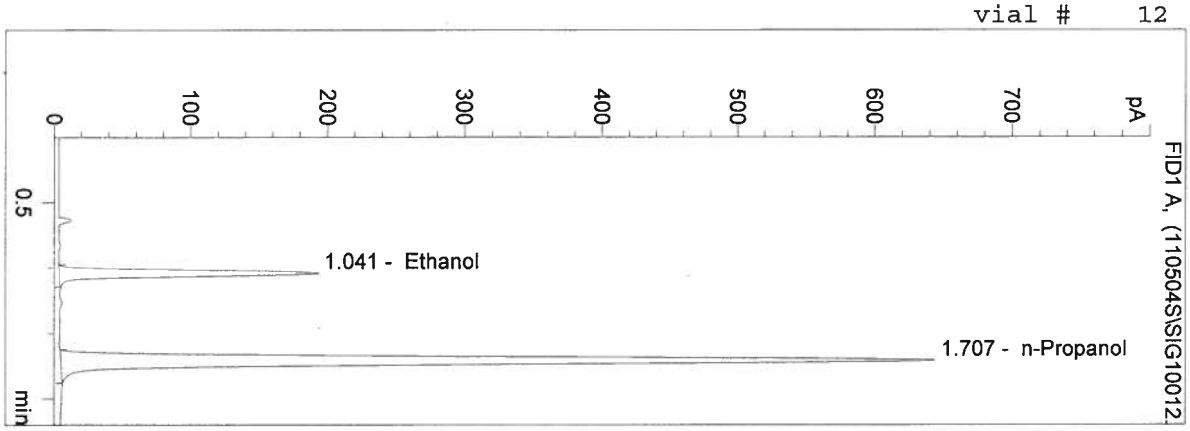
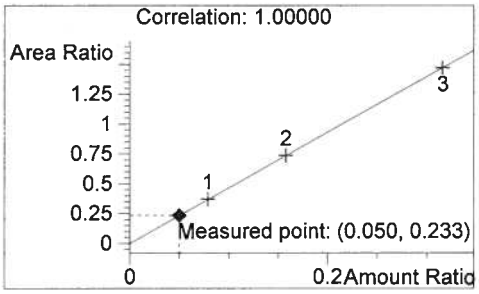
Instrument 1
DB-ALC1

11014 #3
Sarah Swenson

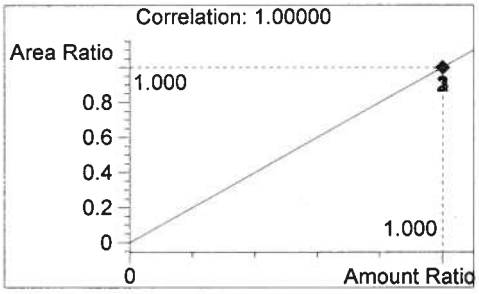
vial # 12



#	Compound	Area	RT
1	Ethanol	581	1.041
2	n-Propanol	2492	1.707
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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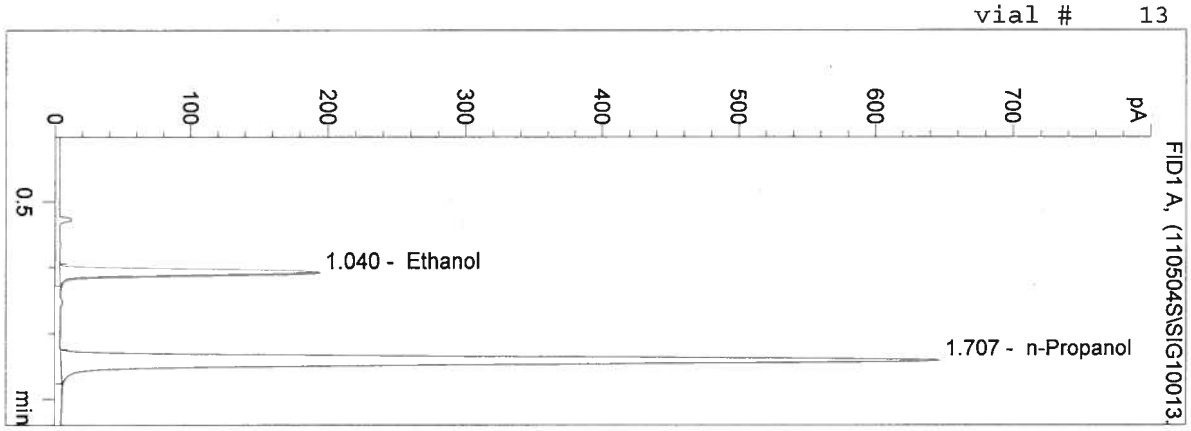
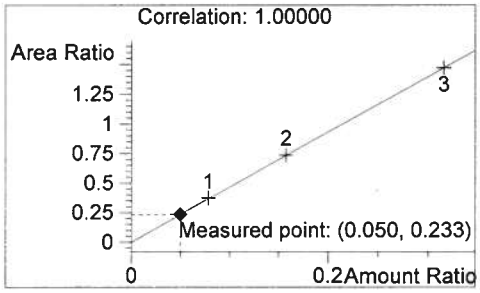
Instrument 1
DB-ALC1

11014 #4
Sarah Swenson

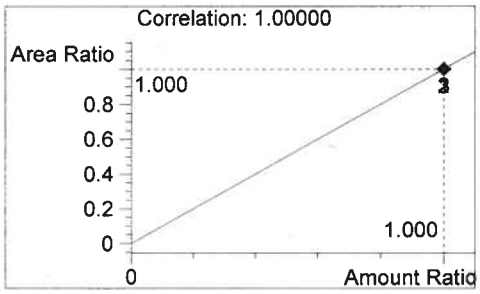
vial # 13



#	Compound	Area	RT
1	Ethanol	583	1.040
2	n-Propanol	2502	1.707
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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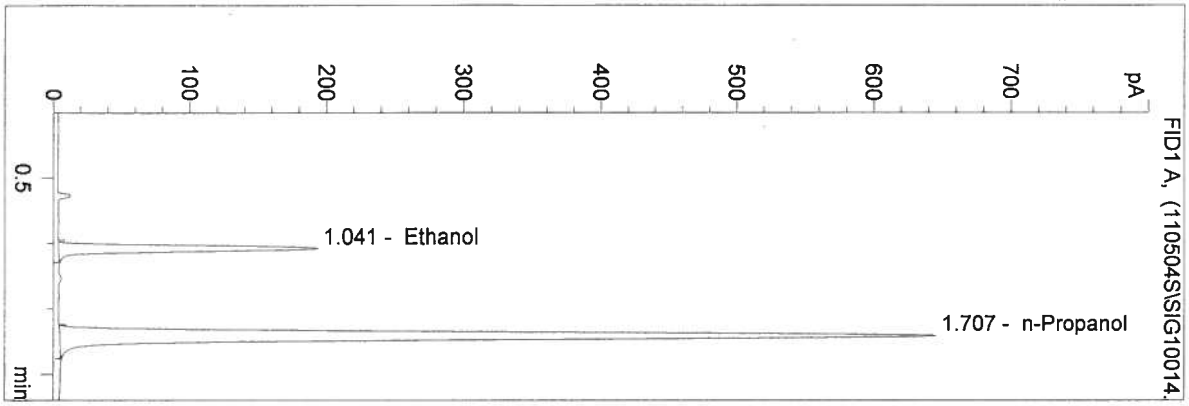
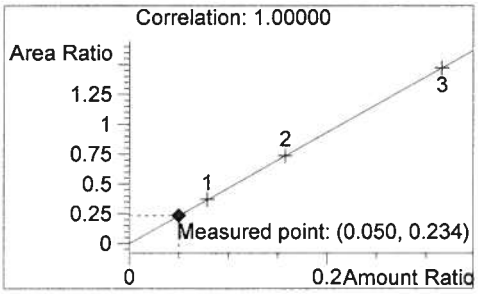
Instrument 1
DB-ALC1

11014 #5
Sarah Swenson

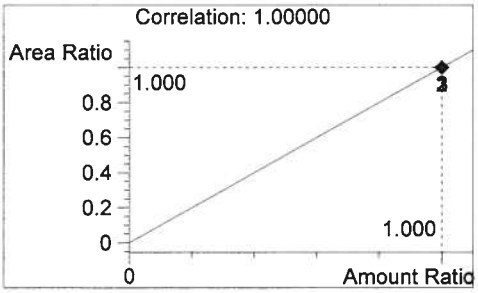
vial # 14



#	Compound	Area	RT
1	Ethanol	583	1.041
2	n-Propanol	2497	1.707
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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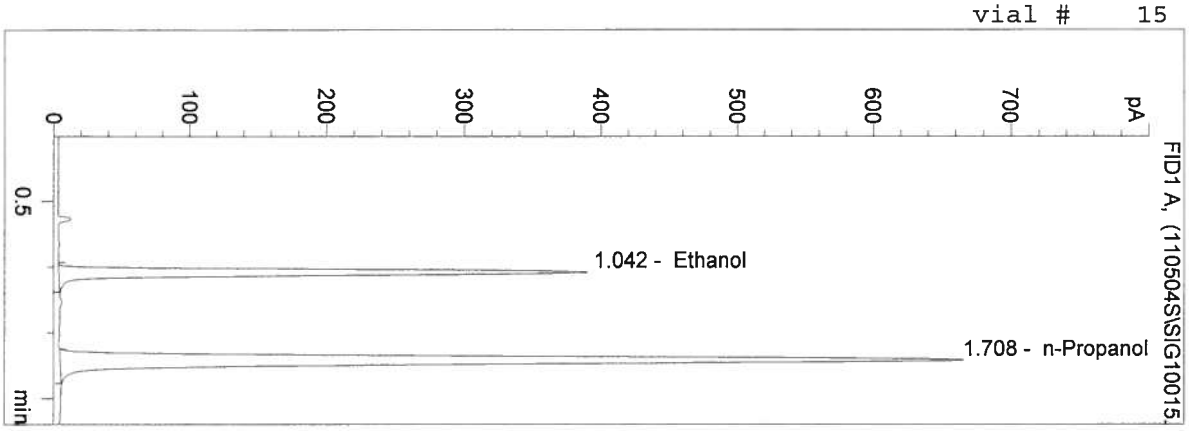
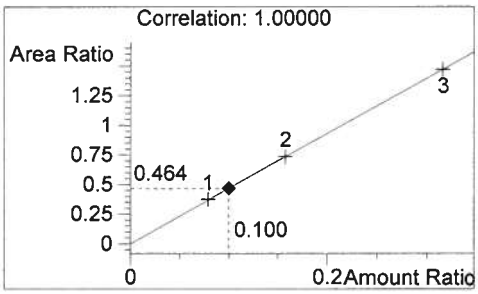
Instrument 1
DB-ALC1

0.10 CONTROL-SS
Sarah Swenson

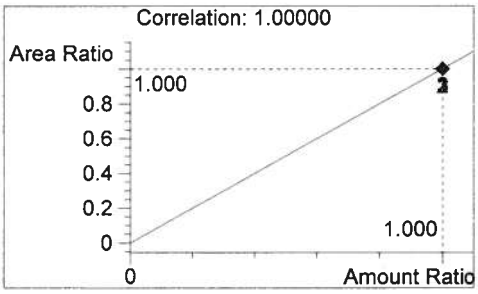
vial # 15



#	Compound	Area	RT
1	Ethanol	1201	1.042
2	n-Propanol	2587	1.708
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

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WASHINGTON STATE TOXICOLOGY LABORATORY

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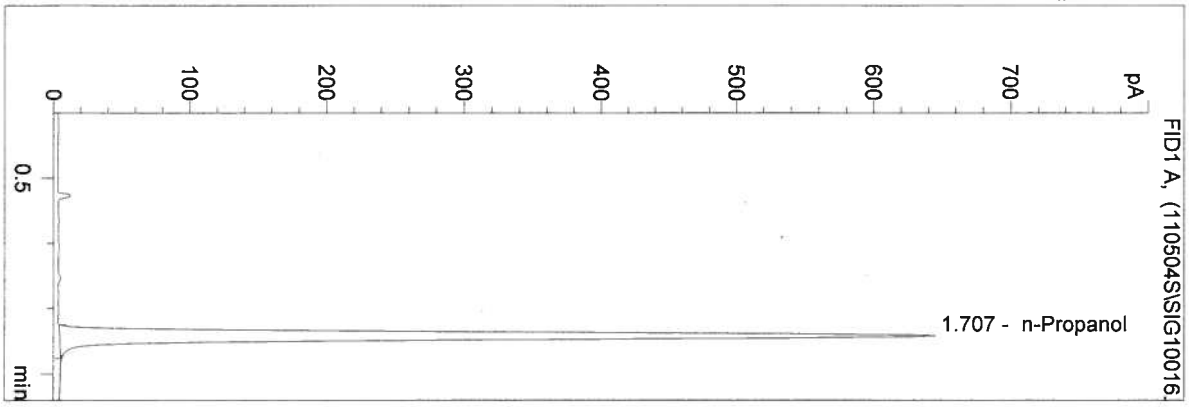
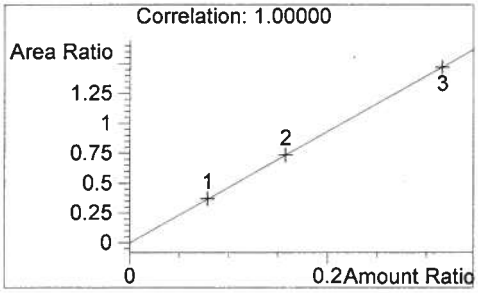
5/4/2011 3:47:38 PM
Instrument 1
DB-ALC1

NEG CONTROL-SS
Sarah Swenson

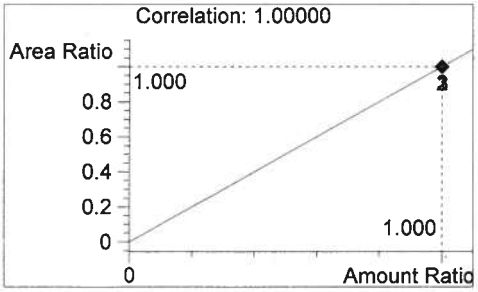
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2496	1.707
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

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