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: 13060

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: 12/16/2013
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Justin L. Knoy

	JLK	KK	AG
1	0.049	0.049	0.049
2	0.049	0.049	0.049
3	0.050	0.049	0.050
4	0.050	0.049	0.050
5	0.050	0.049	0.049
C	0.100	0.100	0.101

ETHANOL CONTROL INFORMATION
LOT NUMBER: A095230 EXPIRATION: 09/2017 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0493 g/100mL
STANDARD DEVIATION: 0.00049
PRECISION CV (%): 0.99
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0401 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0005 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble — Forensic Scientist Supervisor — 12/26/13 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		12/16/2013
KK	Katie Knorr		12/16/2013
AG	Andrew Gingras		12/17/2013

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 #: 13060 **Date Prepared:** 12/16/2013

Analyst:	JLK	KK	AG
Date Tested:	12/16/2013	12/16/2013	12/17/2013
Instrument:	HSGC#3	HSGC#3	HSGC#3
1	0.049	0.049	0.049
2	0.049	0.049	0.049
3	0.050	0.049	0.050
4	0.050	0.049	0.050
5	0.050	0.049	0.049
C	0.100	0.100	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000065220	0.0000110374	0.0001016326

Ethanol Control Lot #: A095230
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0493 g/100mL
Standard Deviation: 0.00049 g/100mL
Precision CV (%): 0.99
Equivalent Vapor Concentration: 0.0401 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L

Calculations performed by: Lisa Noble (Name) Lisa Noble (Signature) 12/18/13 (Date)

Calculations verified by: Amanda M. Black (Name) (Signature) 12-26-2013 (Date)

Method: Hand calculation

Tech. review performed by: Lisa Noble (Name) Lisa Noble (Signature) 12/18/13 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 12-26-2013

Location: WSP-FLSB Seattle, WA Solution Batch Number: 13060

	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: [signature] Date: 12-26-2013

Reviewer Signature: N/A AB 12-26-13 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 Chandler		
Andrew Gingras		12/19/13
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston		
Dawn Sklerov		
Justin Knoy	JK	12.19.13
Katie Knorr	KK	12/19/13
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 13060

JAY INSLEE
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 13060

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 qap solution, Lot Number 13060, was prepared in the Washington State Toxicology Laboratory on 12/16/2013. 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 12/16/2014.

Seattle, WA

12-19-13

Justin L. Knoy — Date

Forensic Toxicologist

JAY INSLEE
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 13060

I, Katie Knorr, 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 Biochemistry and MS degree in Forensic Science.

The qap solution, Lot Number 13060, was prepared in the Washington State Toxicology Laboratory on 12/16/2013. 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 12/16/2014.

Seattle, WA

Katie Knorr 12/19/13

Katie Knorr Date

Forensic Toxicologist

JAY INSLEE
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 13060

I, Andrew Gingras, 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 Cell and Molecular Biology and MS degree in Forensic Science.

The qap solution, Lot Number 13060, was prepared in the Washington State Toxicology Laboratory on 12/16/2013. 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 12/16/2014.

Seattle, WA

12/19/13

Andrew Gingras — Date

Forensic Toxicologist

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

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

Preparation Date: 12-16-13 Initials of Preparer: JK

Expiration Date: 12-16-14

Lot # of 200-proof Ethanol used in preparation: 2CB0070

Date the 200-proof Ethanol bottle was opened: 12-16-13

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	☑	13060
QAP 0.08	22.4	18	☑	13061
QAP 0.10	28.1	18	☑	13062
QAP 0.15	42.0	18	☑	13063
ESS	66.5	52	☐	

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 12-16-13 Date

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

Comments:

Analyst Signature 12-16-13 Date

Sequence: C:\HPCHEM\2\SEQUENCE\JKQARUN3.S

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	131216JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1213-01 - Exp. 06/03/2014
Ethanol Calibrator 2, E1213-02 - Exp. 06/03/2014
Ethanol Calibrator 3, E1213-03 - Exp. 06/03/2014
CTRL1 (0.04g/100mL), Lot # FN120110-04 - Exp. 12/2015
CTRL2 (0.10g/100mL), Lot # A095230 - Exp. 09/2017
CTRL3 (0.20g/100mL), Lot # FN100511-01 - Exp. 10/2016
Internal Standard Lot#P1113 - Exp. 02/14/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	13060-1	SIMALC3	1	Sample		
11	Vial 11	13060-2	SIMALC3	1	Sample		
12	Vial 12	13060-3	SIMALC3	1	Sample		
13	Vial 13	13060-4	SIMALC3	1	Sample		
14	Vial 14	13060-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	13061-1	SIMALC3	1	Sample		
18	Vial 18	13061-2	SIMALC3	1	Sample		
19	Vial 19	13061-3	SIMALC3	1	Sample		
20	Vial 20	13061-4	SIMALC3	1	Sample		
21	Vial 21	13061-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	13062-1	SIMALC3	1	Sample		
25	Vial 25	13062-2	SIMALC3	1	Sample		
26	Vial 26	13062-3	SIMALC3	1	Sample		
27	Vial 27	13062-4	SIMALC3	1	Sample		
28	Vial 28	13062-5	SIMALC3	1	Sample		

13060
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Sequence: C:\HPCHEM\2\SEQUENCE\JKQARUN3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	13063-1	SIMALC3	1	Sample		
32	Vial 32	13063-2	SIMALC3	1	Sample		
33	Vial 33	13063-3	SIMALC3	1	Sample		
34	Vial 34	13063-4	SIMALC3	1	Sample		
35	Vial 35	13063-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13060

13061

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JK

Method C:\HPCHEM\2\METHODS\SIMALC3.M

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Calibration Table

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Calib. Data Modified : Monday, December 16, 2013 10:19:27 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
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.018	1	1	8.00300e-2	536.61737	1.49138e-4	1		Ethanol
		2	1.58560e-1	1065.24475	1.48848e-4			
		3	3.21220e-1	2135.48804	1.50420e-4			
1.743	1	1	1.20000e-2	1519.69971	7.89630e-6	I1		n-Propanol
		2	1.20000e-2	1503.33923	7.98223e-6			
		3	1.20000e-2	1510.50098	7.94438e-6			

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Peak Sum Table

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No Entries in table

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13060
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Calibration Curves

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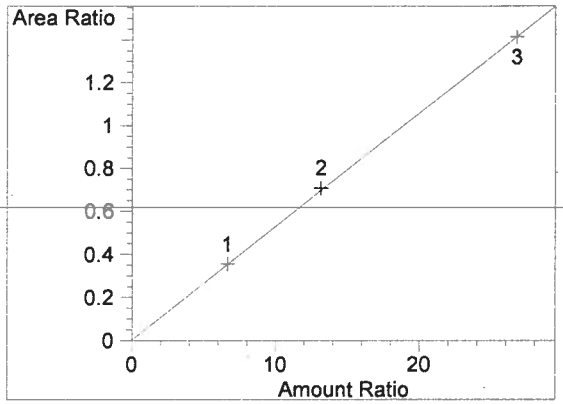
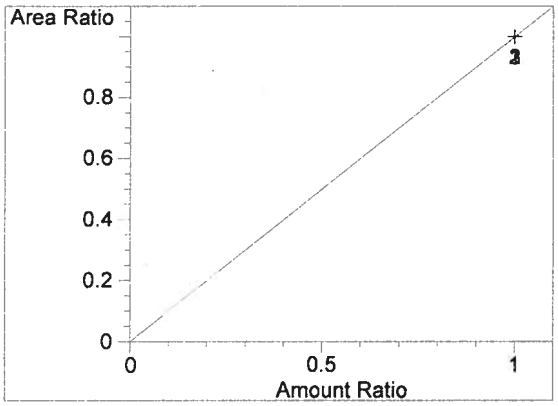


Ethanol at exp. RT: 1.018
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00640
Formula: y = mx + b
m: 5.28460e-2
b: 2.53629e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.743
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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13060

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Washington State Patrol Toxicology Laboratory
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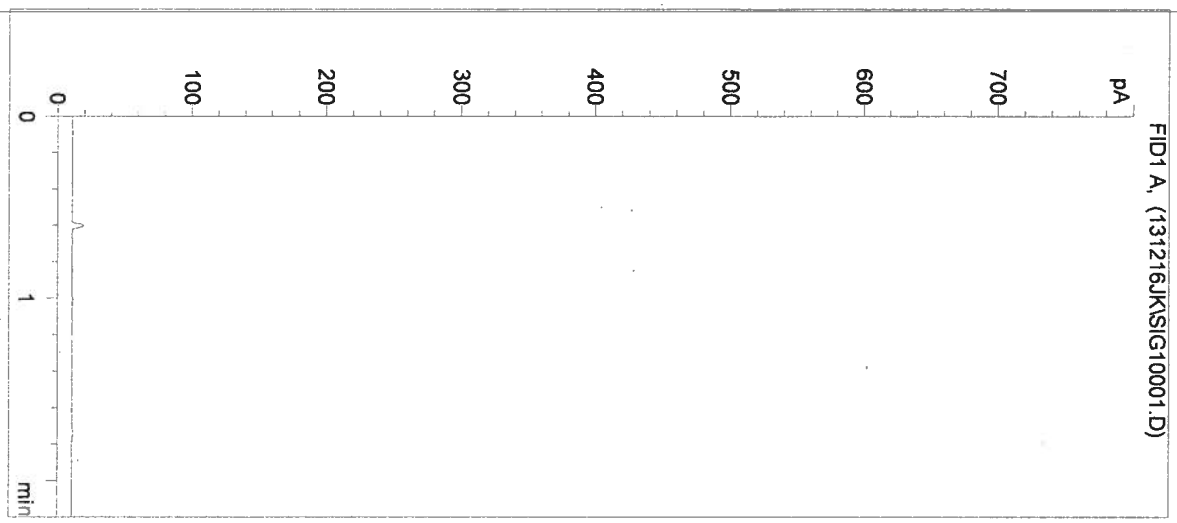
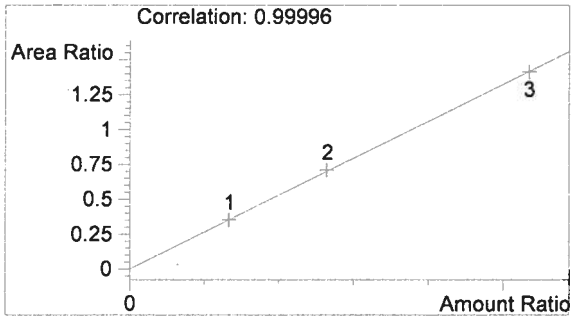
Inj. Date: 12/16/2013 10:07:52 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

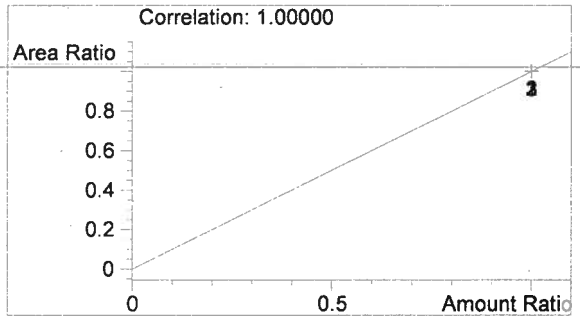
Sample Name: BLANK
Operator: Justin Knoy
Location: Vial 1



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

13060
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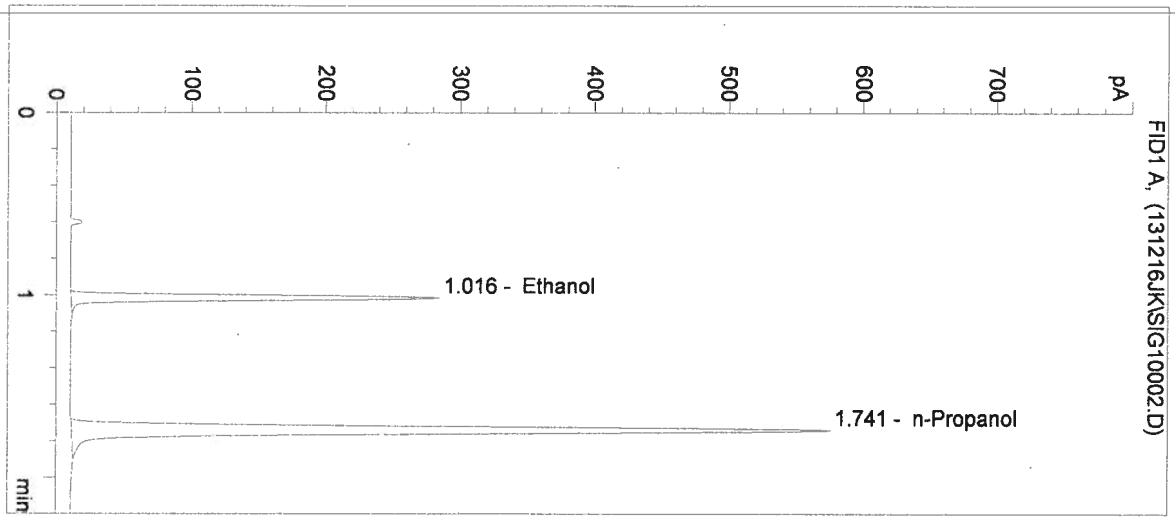
Data File: C:\HPCHEM\2\DATA\131216JK\SIG10001.D

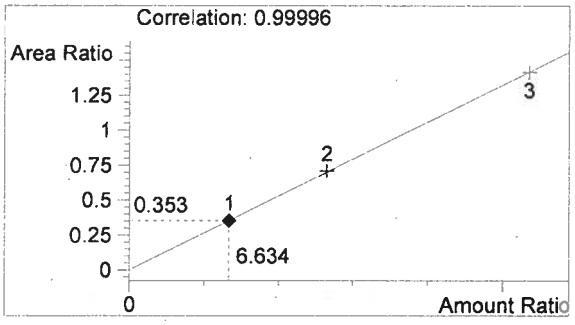
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:10:59 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E1213-01 - (0.079g/100mL)

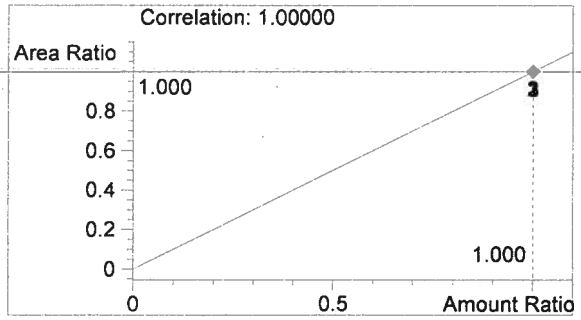
Sample Name: CAL1 0.079
Operator: Justin Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	537	1.016
2	n-Propanol	1520	1.741



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

13060
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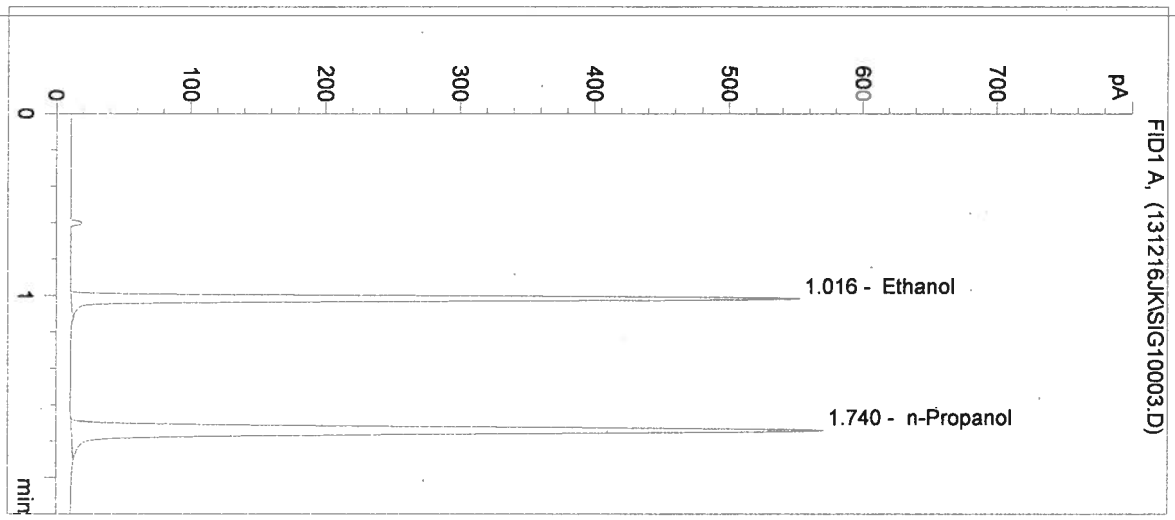
Data File: C:\HPCHEM\2\DATA\131216JK\SIG10002.D

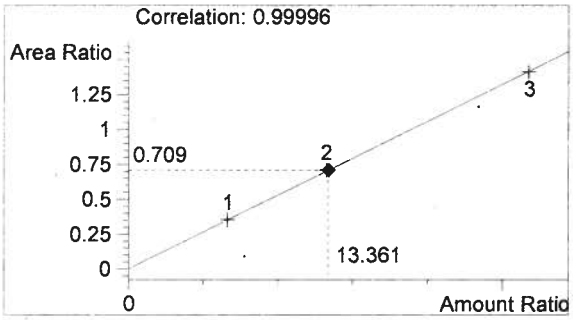
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:14:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E1213-02 - (0.158g/100mL)

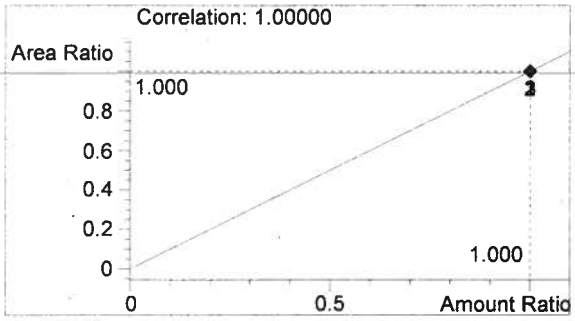
Sample Name: CAL2 0.158
Operator: Justin Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1065	1.016
2	n-Propanol	1503	1.740



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

13060
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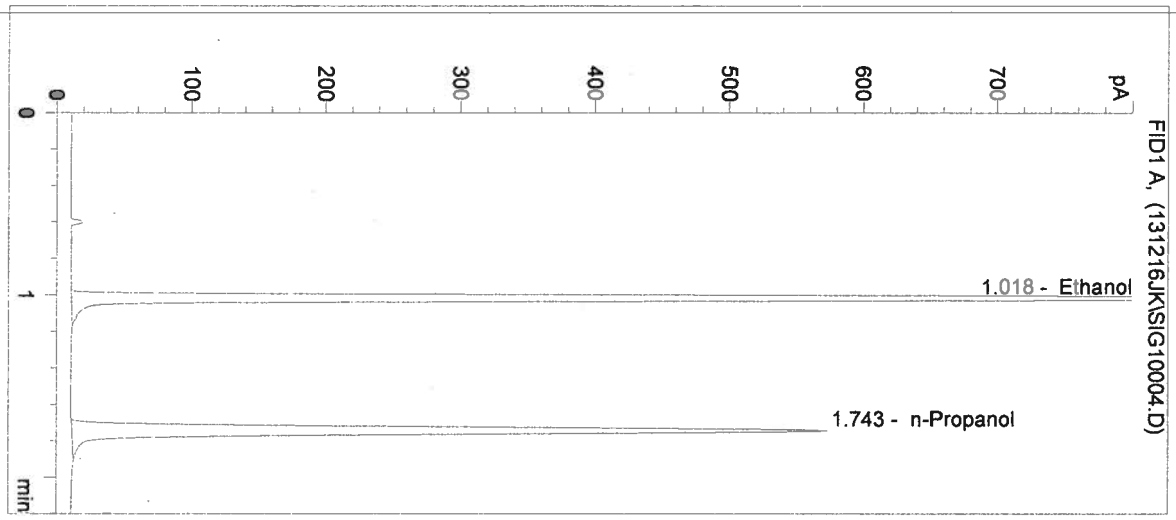
NL

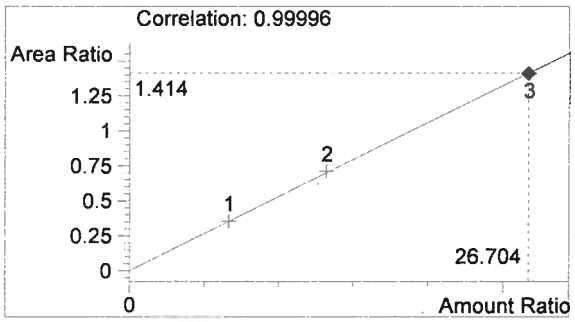
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:17:14 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E1213-03 - (0.316g/100mL)

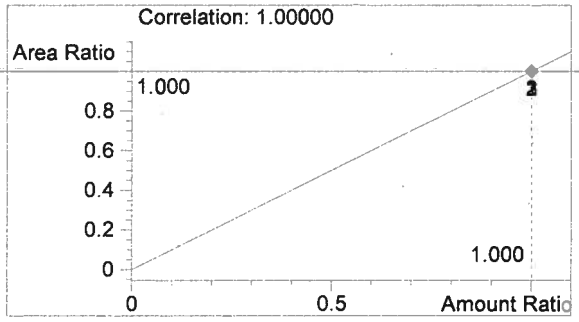
Sample Name: CAL3 0.316
Operator: Justin Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2135	1.018
2	n-Propanol	1511	1.743



Ethanol 0.320 g/100mL



n-Propanol 0.012 g/100mL

13060
13061
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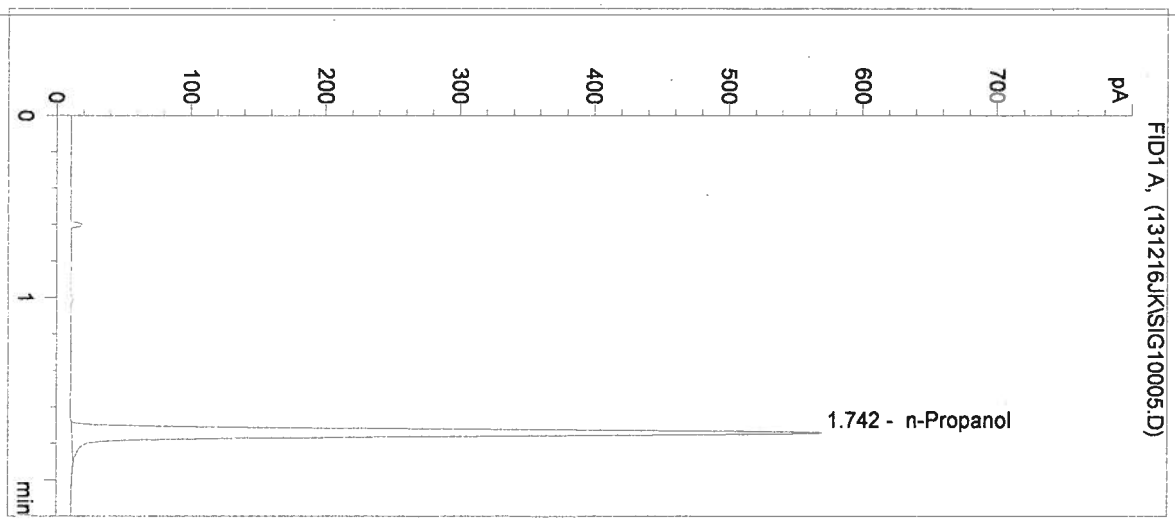
Data File: C:\HPCHEM\2\DATA\131216JK\SIG10004.D

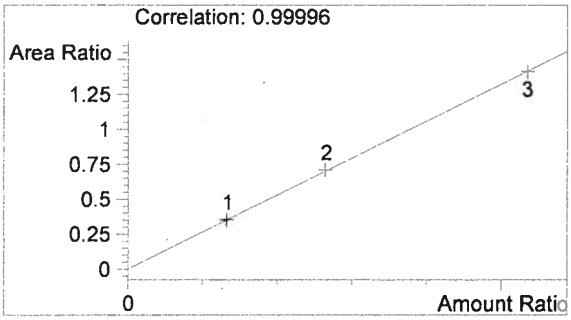
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:20:22 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

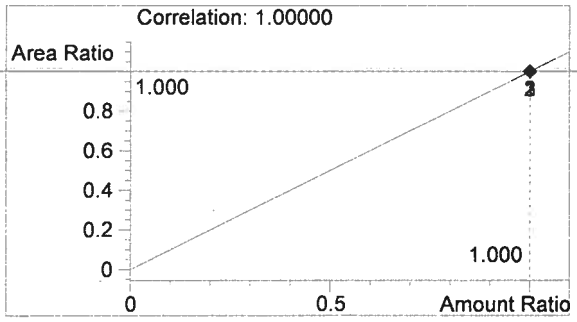
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1502	1.742



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13060
13061
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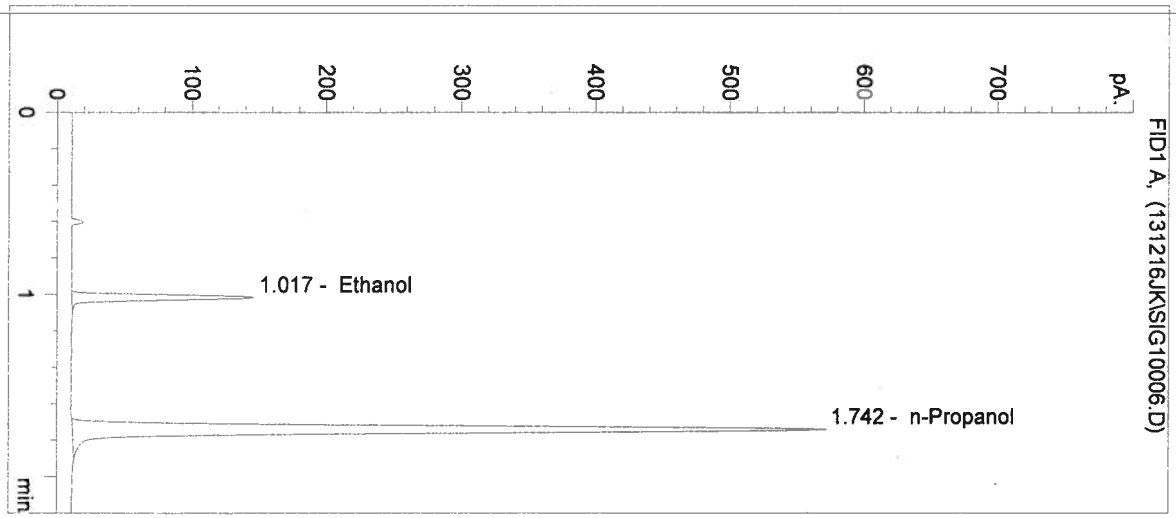
13063

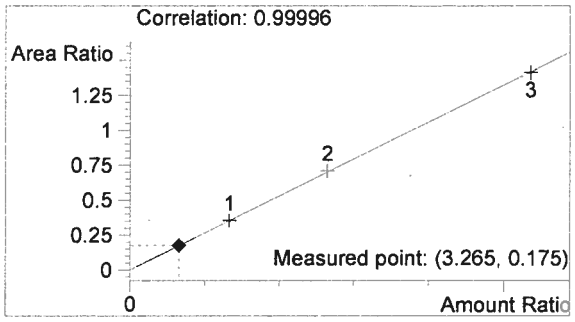
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:23:29 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.04g/100mL

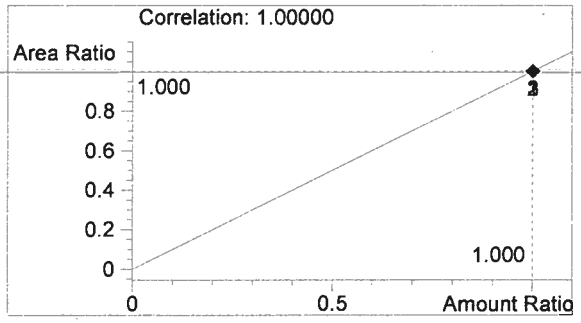
Sample Name: CTRL1 (0.04)
Operator: Justin Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	264	1.017
2	n-Propanol	1506	1.742



Ethanol 0.039 g/100mL



n-Propanol 0.012 g/100mL

13060
13061
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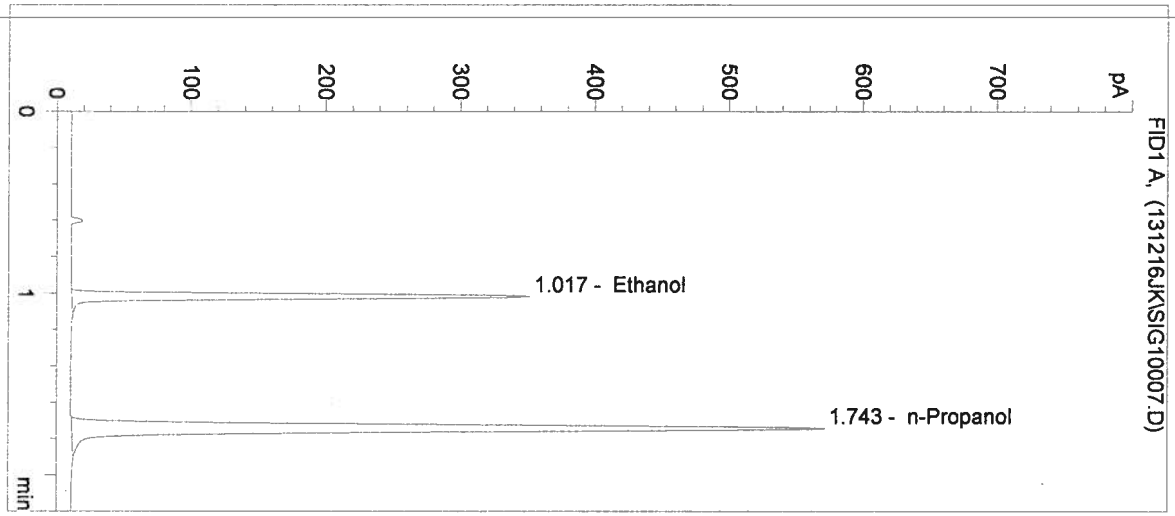
Data File: C:\HPCHEM\2\DATA\131216JK\SIG10006.D

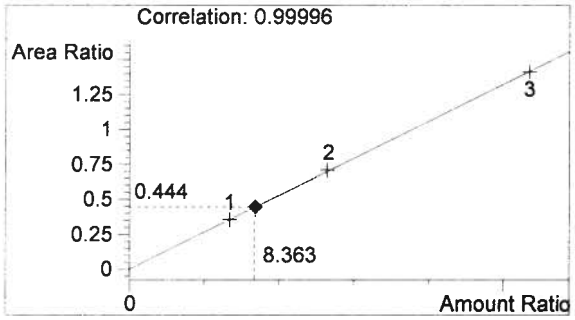
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:26:37 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.10g/100mL

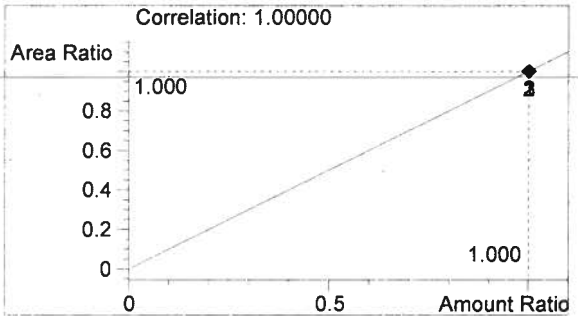
Sample Name: CTRL2 (0.10)
Operator: Justin Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	669	1.017
2	n-Propanol	1506	1.743



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

13060

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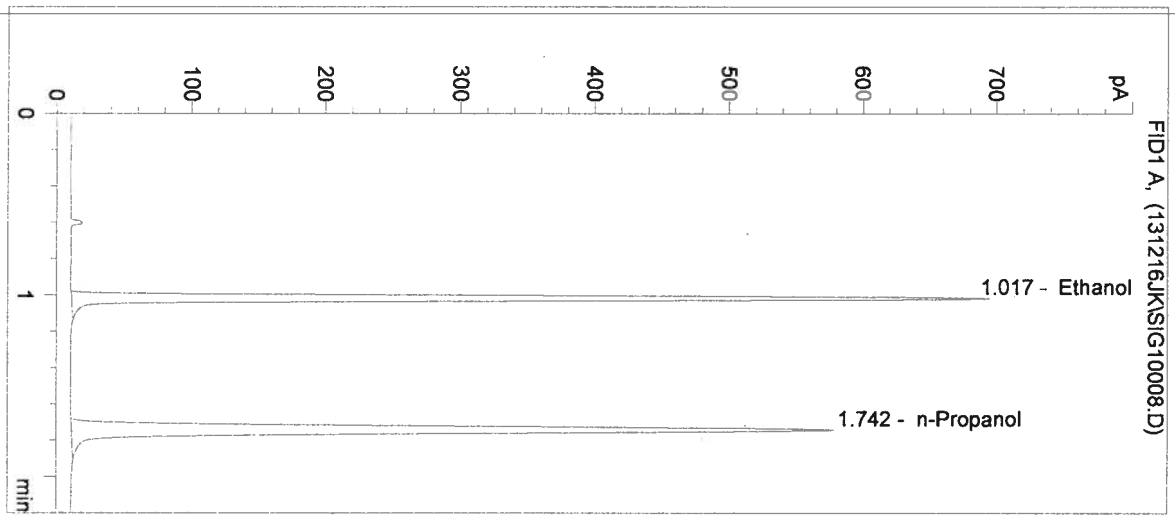
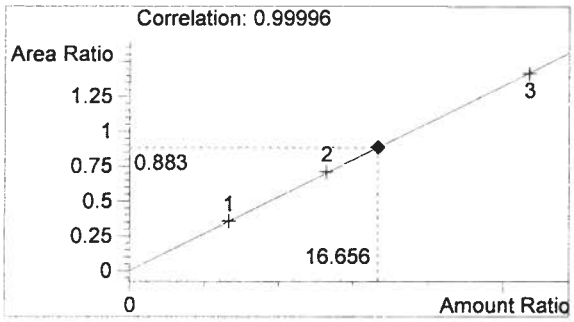
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:29:44 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.20g/100mL

Sample Name: CTRL3 (0.20)
Operator: Justin Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1343	1.017
2	n-Propanol	1521	1.742



Ethanol 0.200 g/100mL

13060

13061

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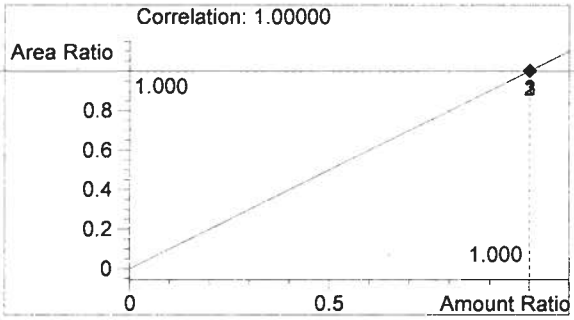
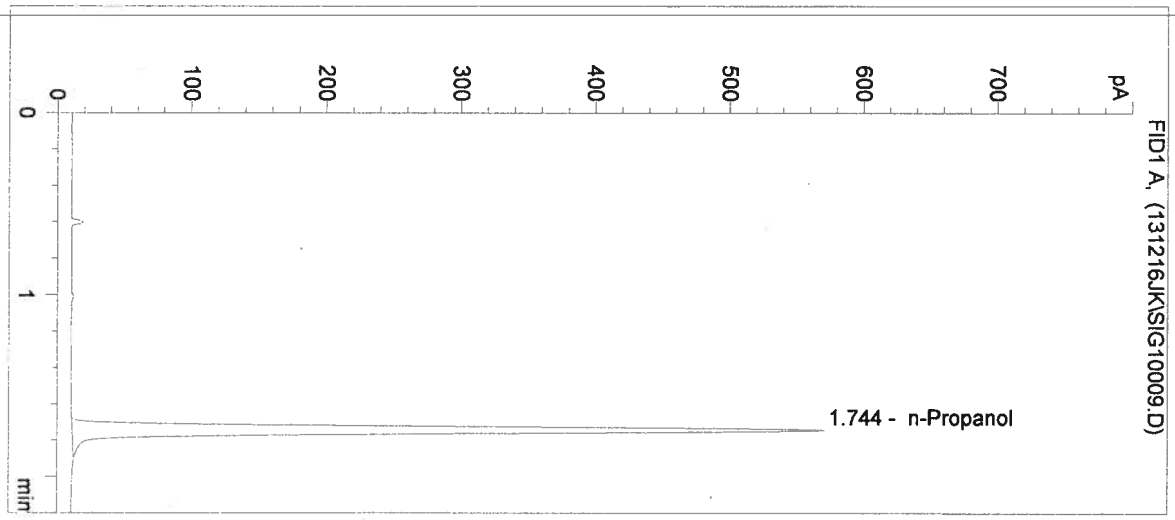


n-Propanol 0.012 g/100mL

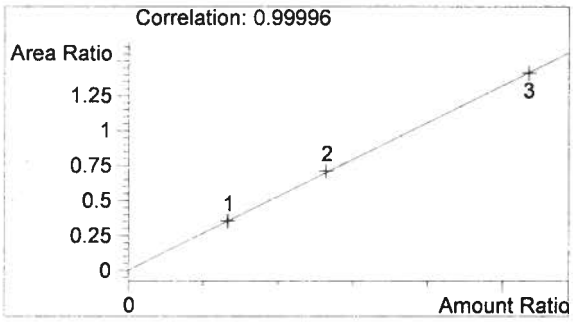
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:32:52 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

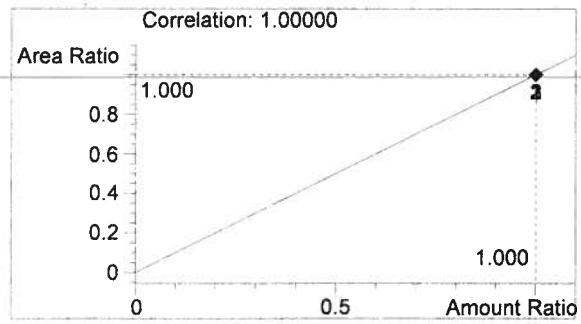
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1503	1.744



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13060
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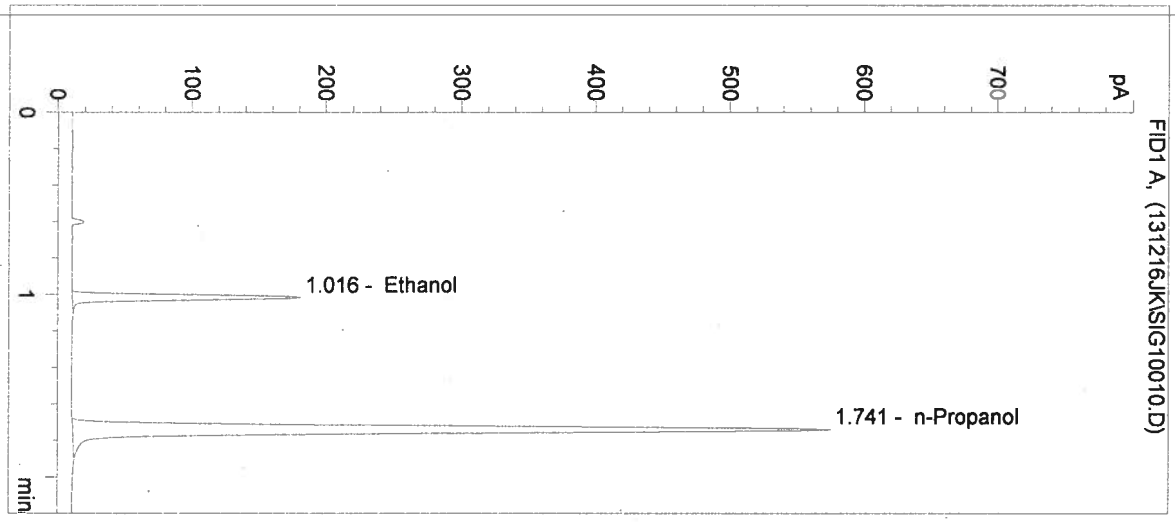
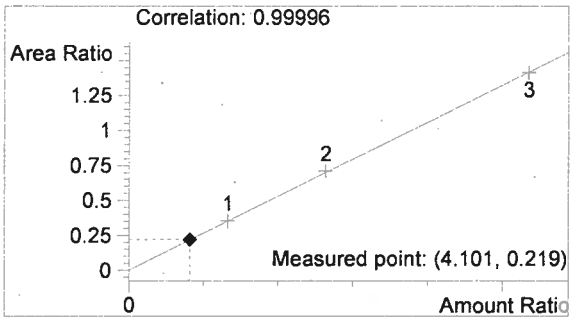
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

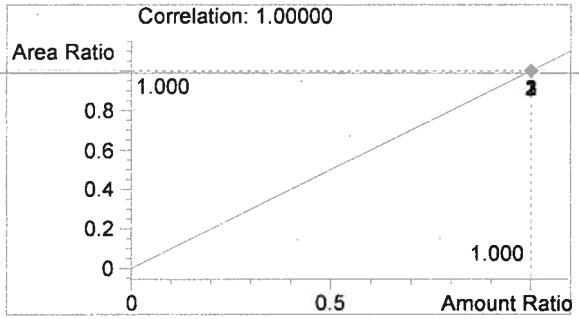
Inj. Date: 12/16/2013 10:36:00 AM
Sample Name: 13060-1
Instrument: HSGC#3
Operator: Justin Knoy
Column: DB-ALC2
Location: Vial 10
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	332	1.016
2	n-Propanol	1516	1.741



Ethanol 0.049 g/100mL

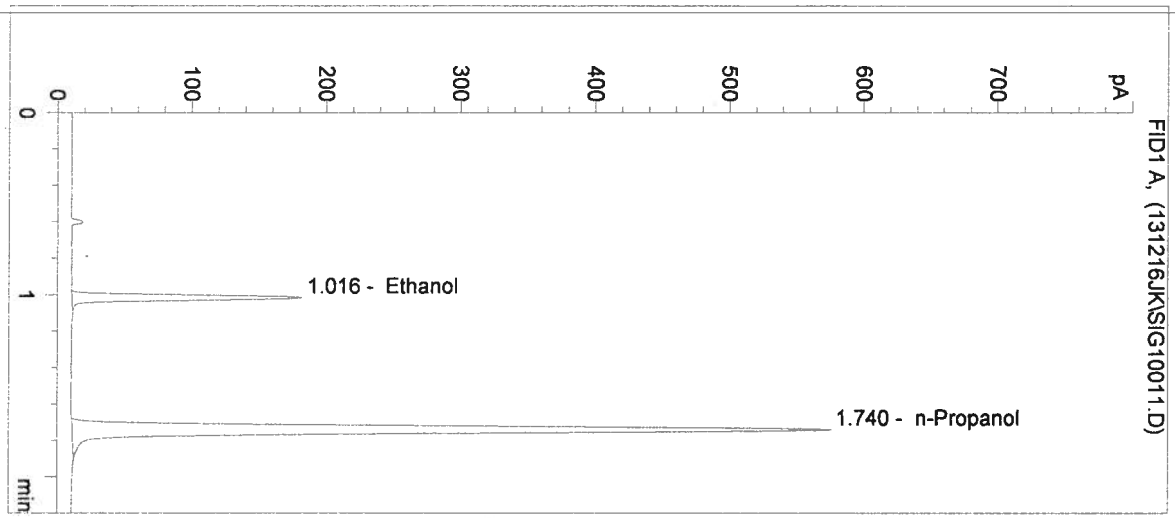


n-Propanol 0.012 g/100mL

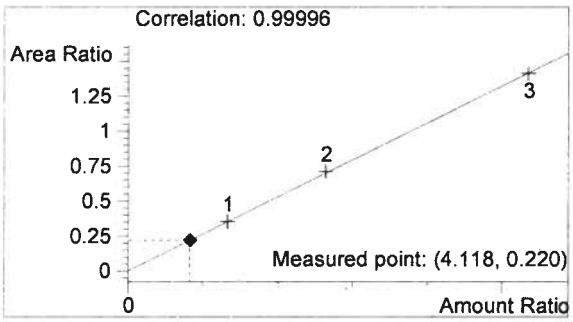
JK

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

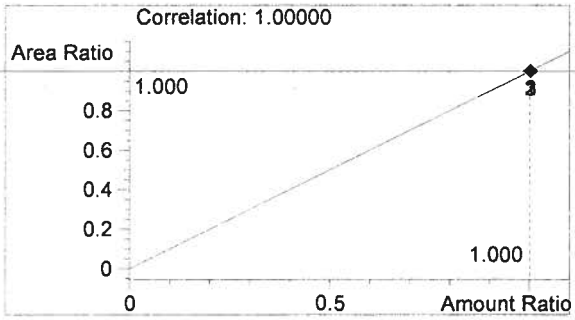
Inj. Date: 12/16/2013 10:39:07 AM
Sample Name: 13060-2
Instrument: HSGC#3
Operator: Justin Knoy
Column: DB-ALC2
Location: Vial 11
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	334	1.016
2	n-Propanol	1516	1.740



Ethanol 0.049 g/100mL



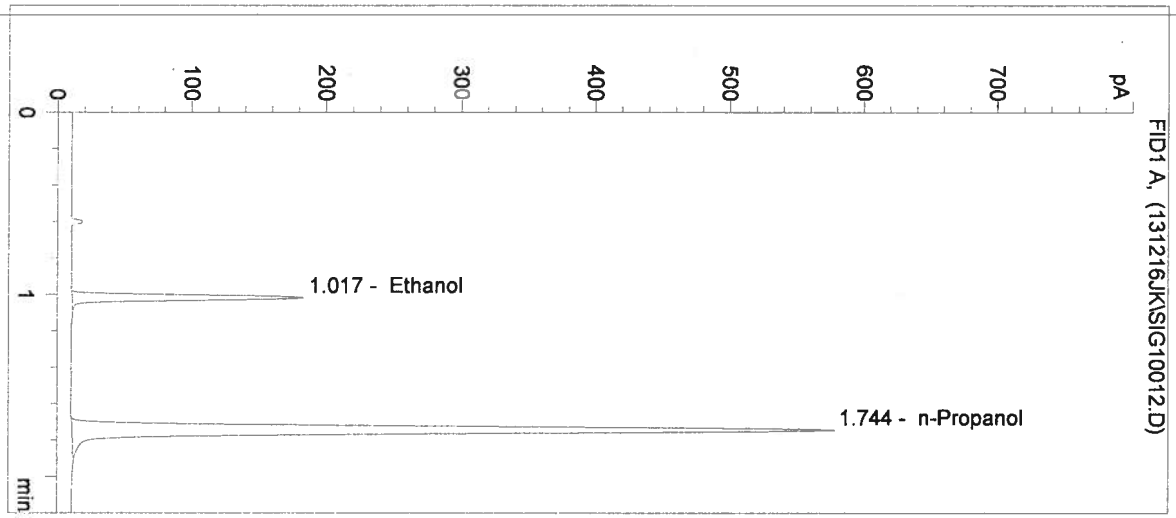
n-Propanol 0.012 g/100mL

JK

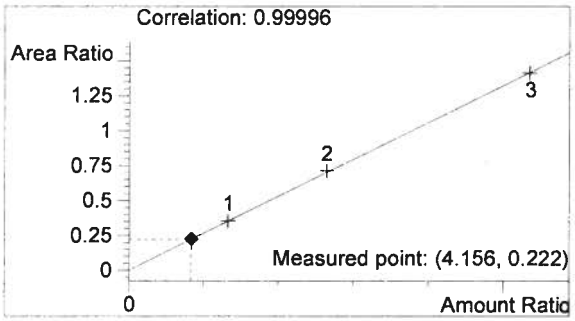
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:42:14 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

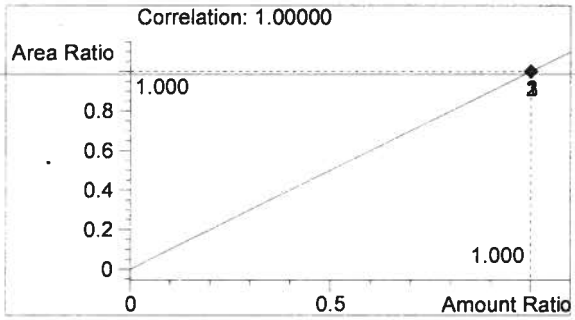
Sample Name: 13060-3
Operator: Justin Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	339	1.017
2	n-Propanol	1528	1.744



Ethanol 0.050 g/100mL

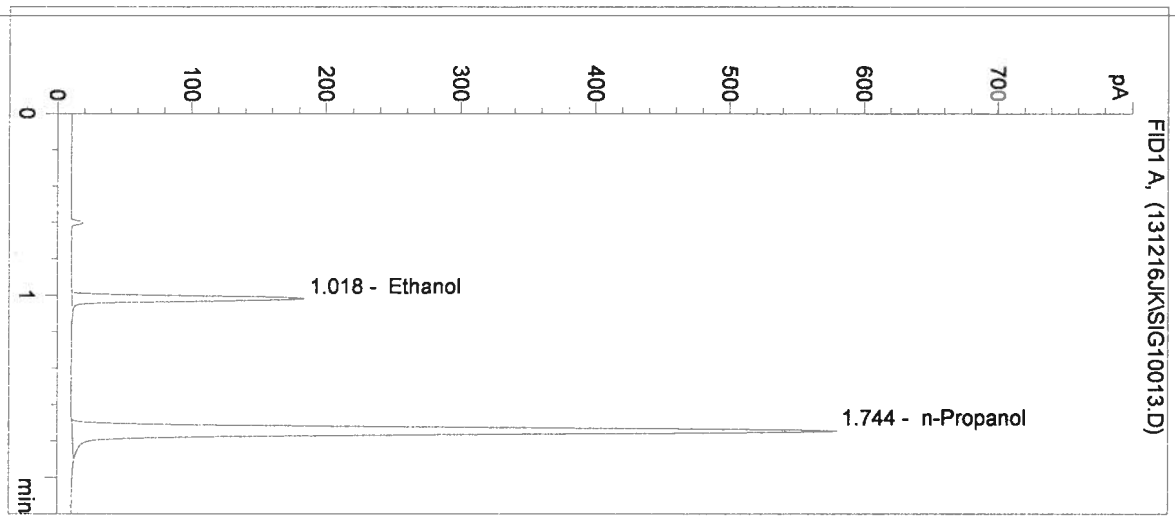


n-Propanol 0.012 g/100mL

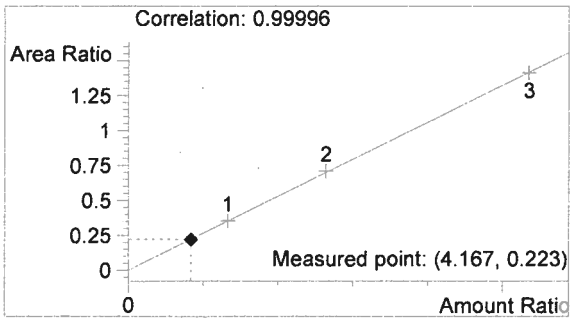
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:45:22 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

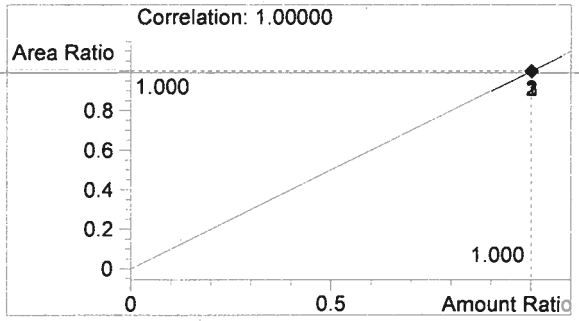
Sample Name: 13060-4
Operator: Justin Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	340	1.018
2	n-Propanol	1528	1.744



Ethanol 0.050 g/100mL

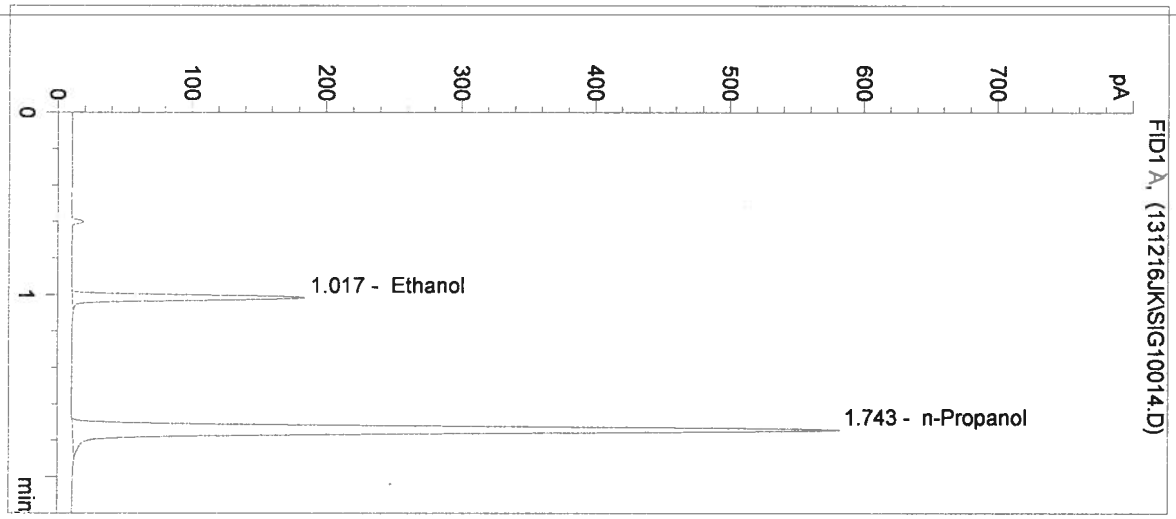


n-Propanol 0.012 g/100mL

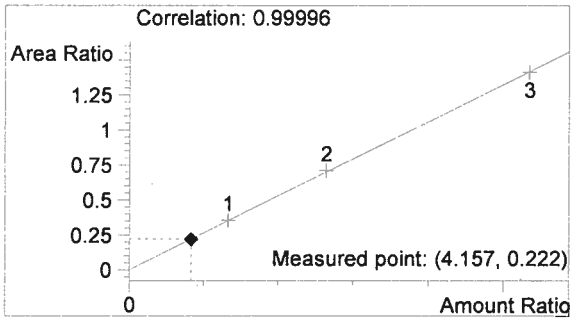
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:48:30 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

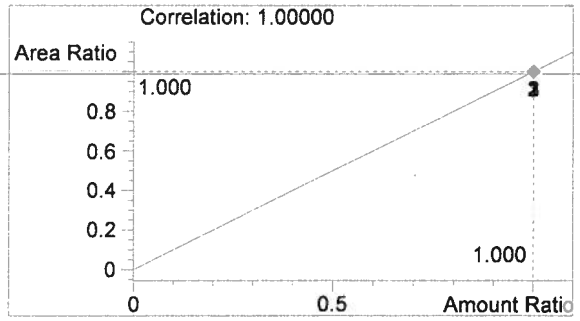
Sample Name: 13060-5
Operator: Justin Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	341	1.017
2	n-Propanol	1536	1.743



Ethanol 0.050 g/100mL



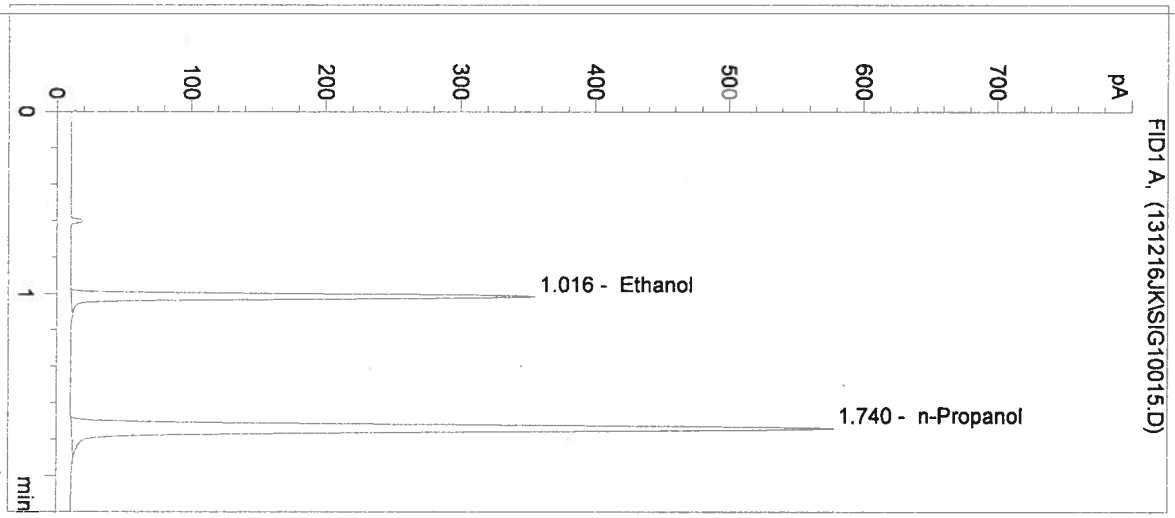
n-Propanol 0.012 g/100mL

JK

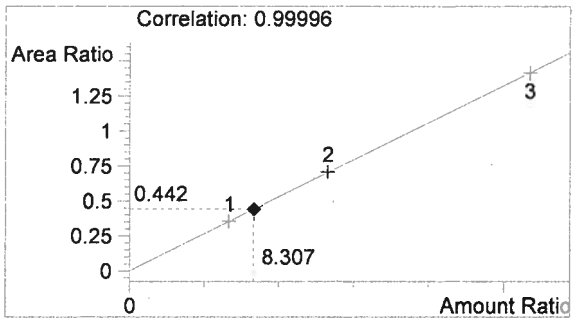
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:51:37 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.10g/100mL

Sample Name: CTRL2 (0.10)
Operator: Justin Knoy
Location: Vial 15

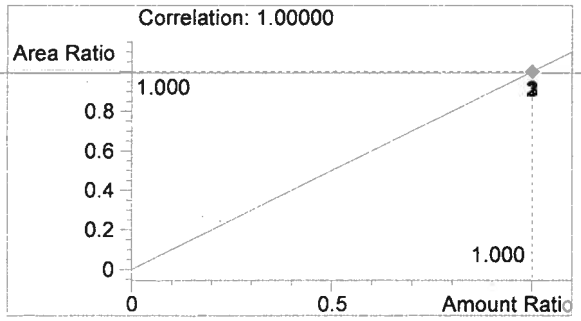


#	Compound	Peak Area	RT (min)
1	Ethanol	673	1.016
2	n-Propanol	1524	1.740



Ethanol 0.100 g/100mL

13060

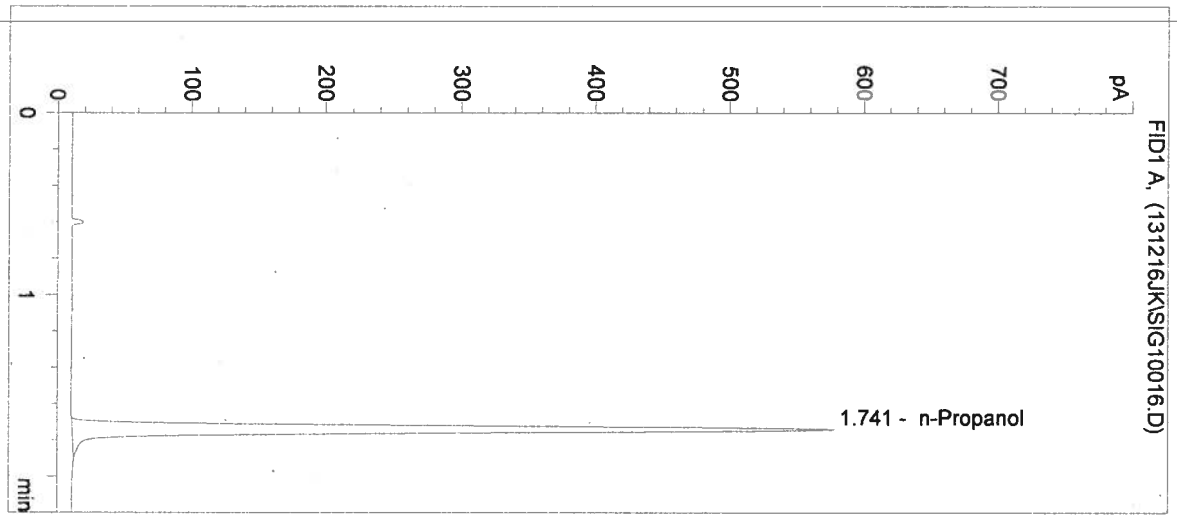


n-Propanol 0.012 g/100mL

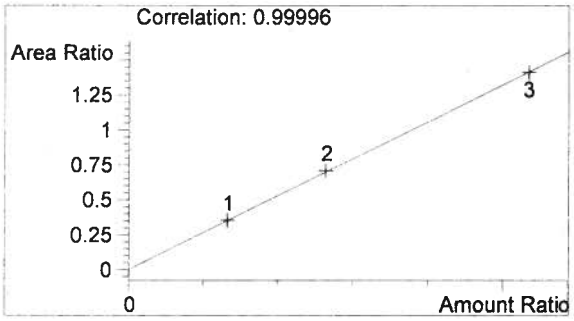
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 10:54:45 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 16

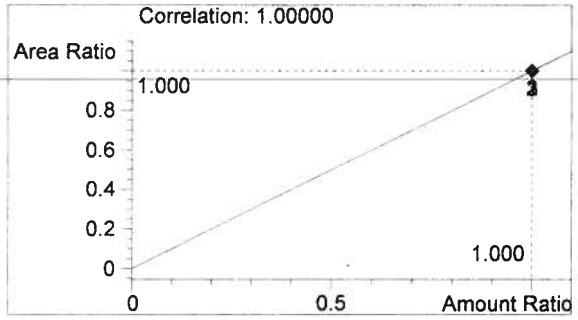


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1525	1.741



Ethanol 0.000 g/100mL

13060



n-Propanol 0.012 g/100mL

JK

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

Sequence Parameters:

Operator:	Katie Knorr
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	131216KK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1213-01 - Exp. 06/03/2014
Ethanol Calibrator 2, E1213-02 - Exp. 06/03/2014
Ethanol Calibrator 3, E1213-03 - Exp. 06/03/2014
CTRL1 (0.04g/100mL), Lot # FN120110-04 - Exp. 12/2015
CTRL2 (0.10g/100mL), Lot # A095230 - Exp. 09/2017
CTRL3 (0.20g/100mL), Lot # FN100511-01 - Exp. 10/2016
Internal Standard Lot#P1113 - Exp. 02/14/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	13064-1	SIMALC3	1	Sample		
11	Vial 11	13064-2	SIMALC3	1	Sample		
12	Vial 12	13064-3	SIMALC3	1	Sample		
13	Vial 13	13064-4	SIMALC3	1	Sample		
14	Vial 14	13064-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	13060-1	SIMALC3	1	Sample		
18	Vial 18	13060-2	SIMALC3	1	Sample		
19	Vial 19	13060-3	SIMALC3	1	Sample		
20	Vial 20	13060-4	SIMALC3	1	Sample		
21	Vial 21	13060-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	13061-1	SIMALC3	1	Sample		
25	Vial 25	13061-2	SIMALC3	1	Sample		
26	Vial 26	13061-3	SIMALC3	1	Sample		
27	Vial 27	13061-4	SIMALC3	1	Sample		
28	Vial 28	13061-5	SIMALC3	1	Sample		

13060
13061
13062
13063
KK

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	13062-1	SIMALC3	1	Sample		
32	Vial 32	13062-2	SIMALC3	1	Sample		
33	Vial 33	13062-3	SIMALC3	1	Sample		
34	Vial 34	13062-4	SIMALC3	1	Sample		
35	Vial 35	13062-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	13063-1	SIMALC3	1	Sample		
39	Vial 39	13063-2	SIMALC3	1	Sample		
40	Vial 40	13063-3	SIMALC3	1	Sample		
41	Vial 41	13063-4	SIMALC3	1	Sample		
42	Vial 42	13063-5	SIMALC3	1	Sample		
43	Vial 43	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13060

13061

13062

13063

KK
131216KK

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Monday, December 16, 2013 12:32:47 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
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.019	1	1	8.00300e-2	619.51459	1.29182e-4	1		Ethanol
		2	1.58560e-1	1112.00854	1.42589e-4			
		3	3.21220e-1	2490.11060	1.28998e-4			
1.744	1	1	1.20000e-2	1693.92102	7.08416e-6	I1		n-Propanol
		2	1.20000e-2	1551.17957	7.73605e-6			
		3	1.20000e-2	1734.80408	6.91721e-6			

Peak Sum Table

No Entries in table

13060
13061
13062
13063

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131216 KK

Method C:\HPCHEM\2\METHODS\SIMALC3.M

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Calibration Curves

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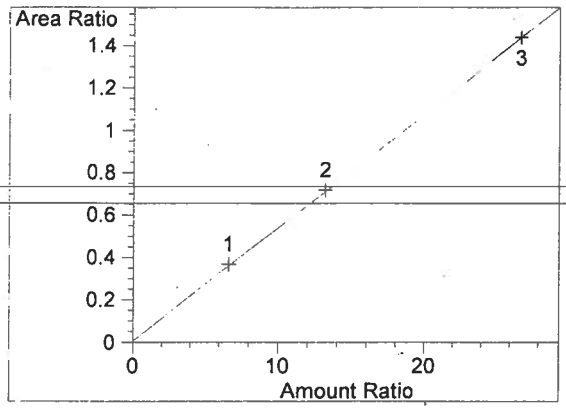
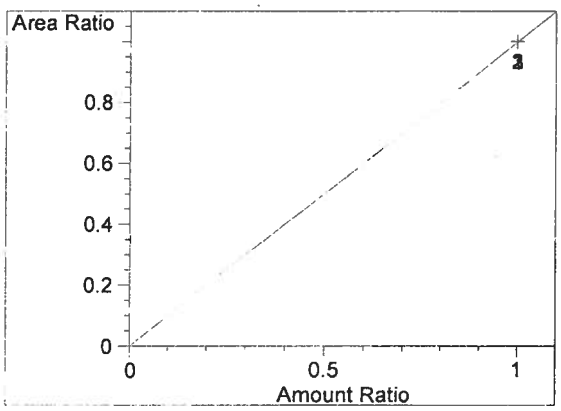


Ethanol at exp. RT: 1.019
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00574
Formula: y = mx + b
m: 5.35521e-2
b: 4.93551e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.744
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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13060

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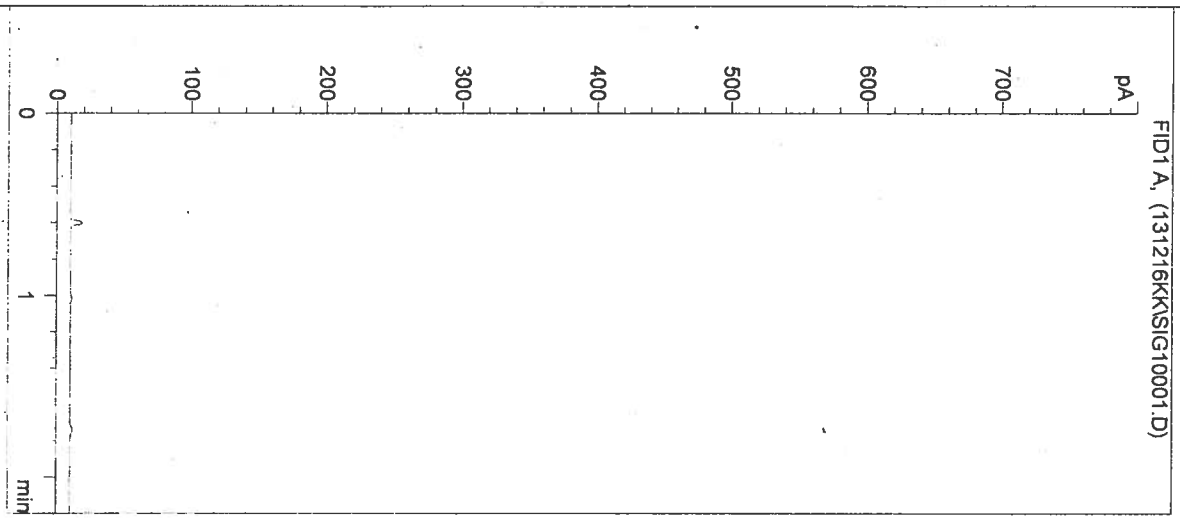
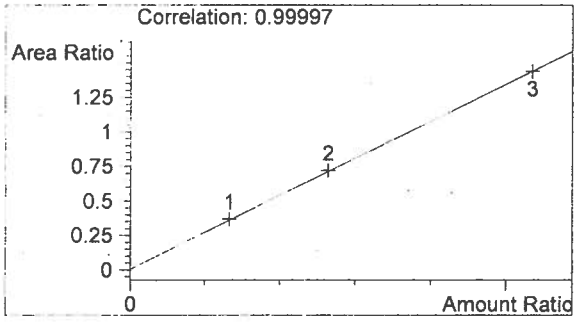
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 12:21:13 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: BLANK
Operator: Katie Knorr
Location: Vial 1



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

13060
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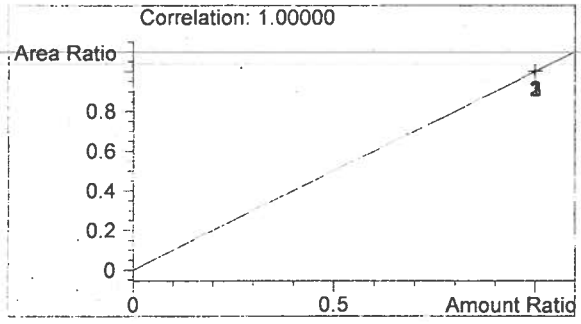

n-Propanol 0.000 g/100mL

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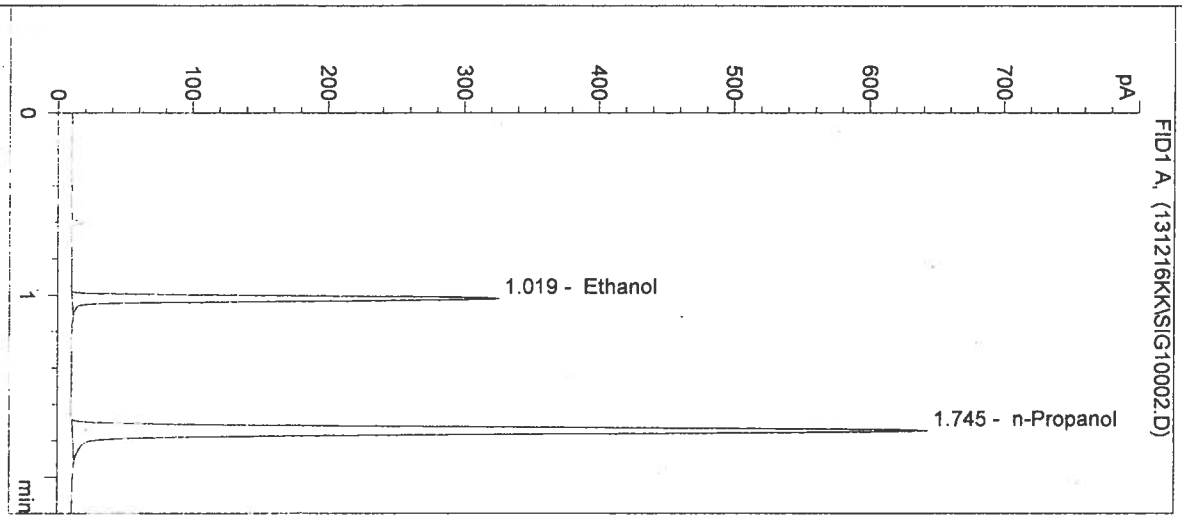
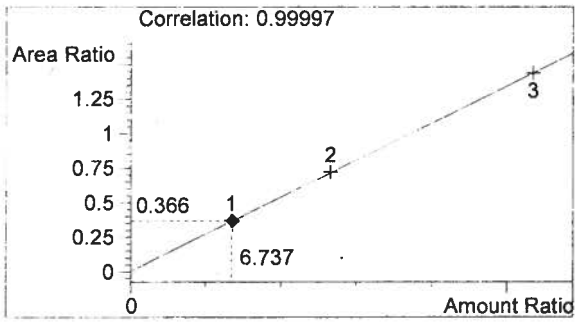
Inj. Date: 12/16/2013 12:24:20 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E1213-01 - (0.079g/100mL)

Sample Name: CAL1 0.079
Operator: Katie Knorr
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	620	1.019
2	n-Propanol	1694	1.745



Ethanol 0.081 g/100mL

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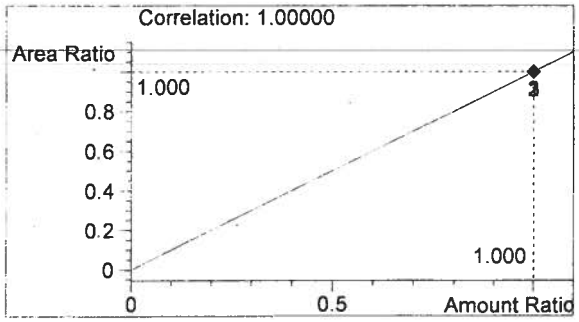

n-Propanol 0.012 g/100mL

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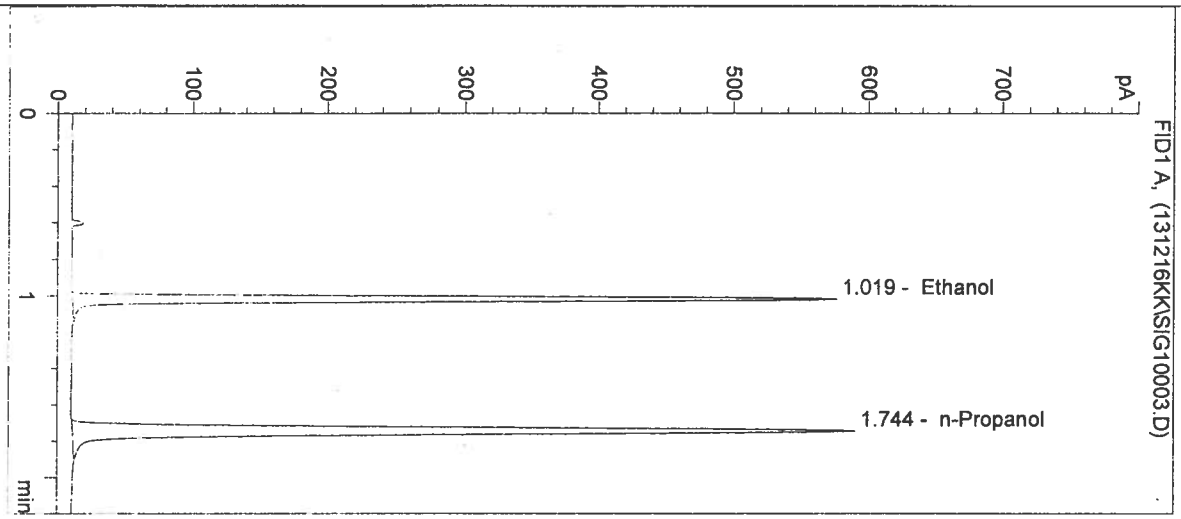
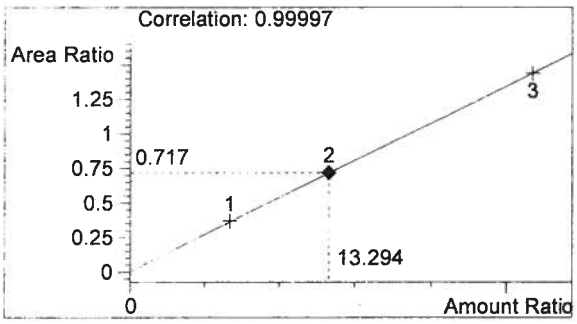
Inj. Date: 12/16/2013 12:27:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E1213-02 - (0.158g/100mL)

Sample Name: CAL2 0.158
Operator: Katie Knorr
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1112	1.019
2	n-Propanol	1551	1.744



Ethanol 0.160 g/100mL

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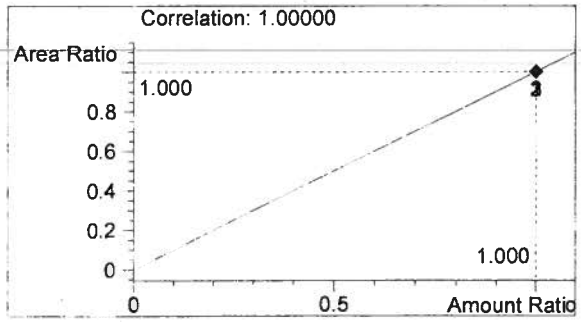

n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\131216KK\SIG10003.D

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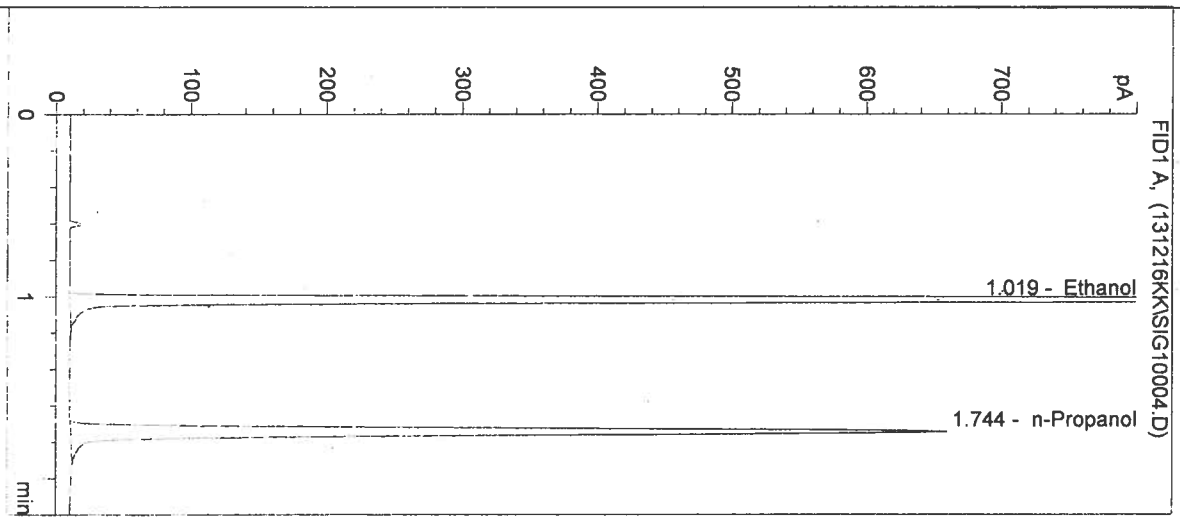
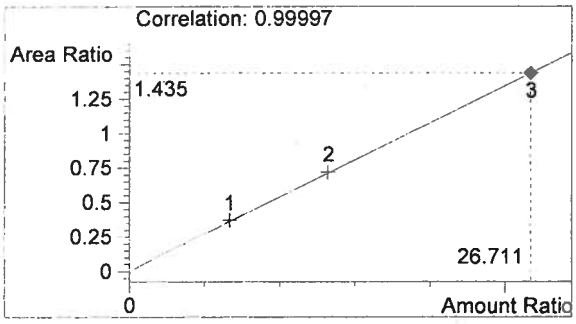
Inj. Date: 12/16/2013 12:30:35 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E1213-03 - (0.316g/100mL)

Sample Name: CAL3 0.316
Operator: Katie Knorr
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2490	1.019
2	n-Propanol	1735	1.744



Ethanol 0.321 g/100mL

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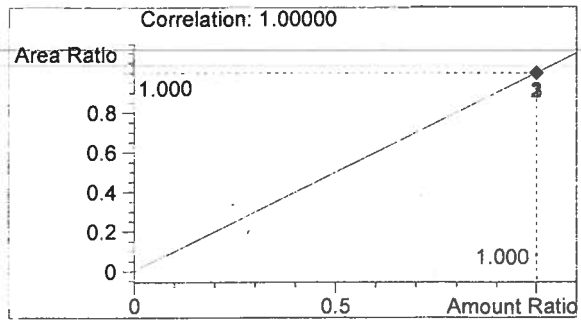

n-Propanol 0.012 g/100mL

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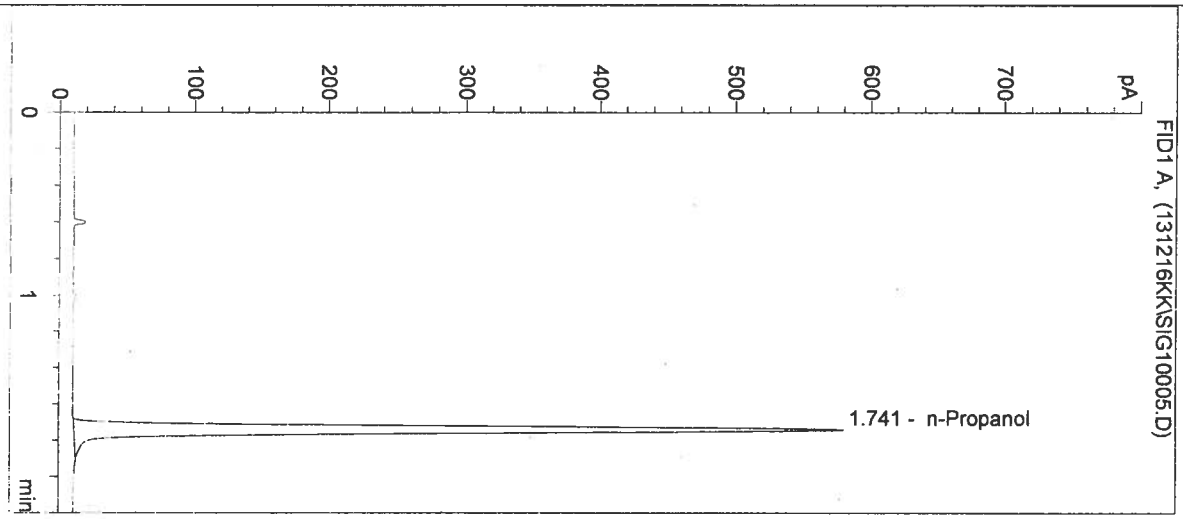
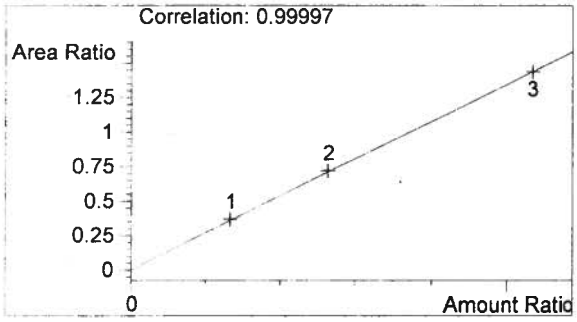
Inj. Date: 12/16/2013 12:33:43 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: NEG CTRL
Operator: Katie Knorr
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1523	1.741



Ethanol 0.000 g/100mL

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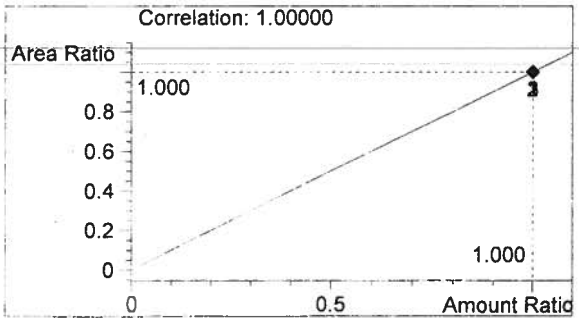

n-Propanol 0.012 g/100mL

13063

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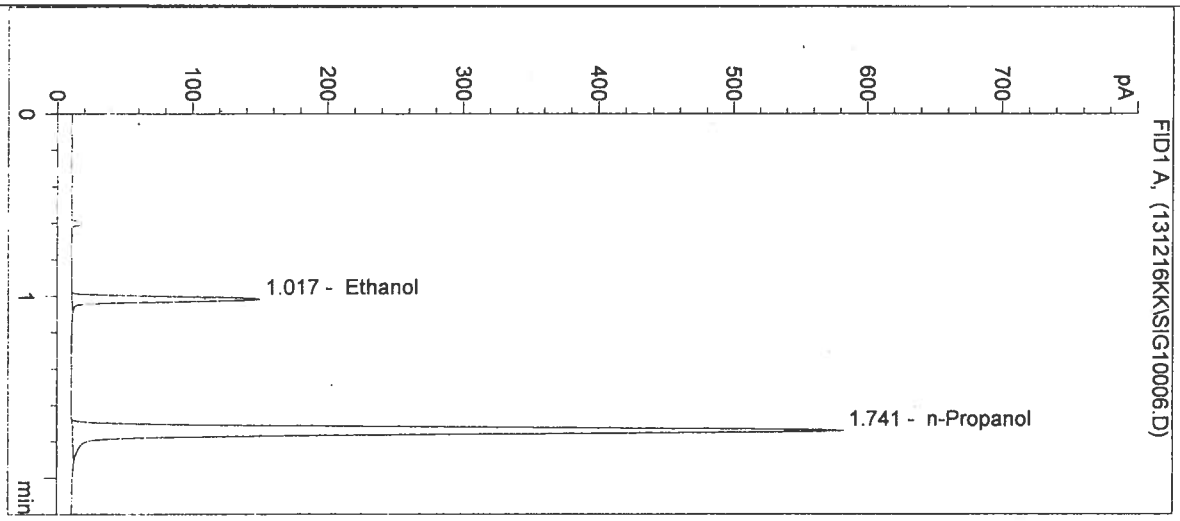
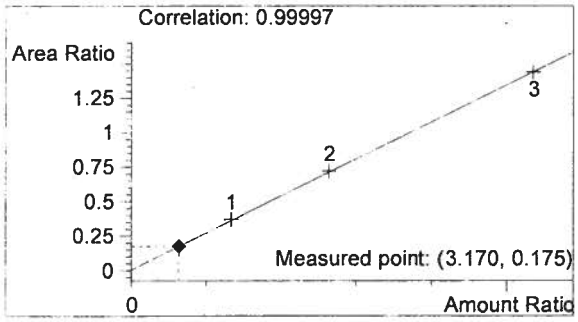
Inj. Date: 12/16/2013 12:36:50 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.04g/100mL

Sample Name: CTRL1 (0.04)
Operator: Katie Knorr
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	267	1.017
2	n-Propanol	1528	1.741



Ethanol 0.038 g/100mL

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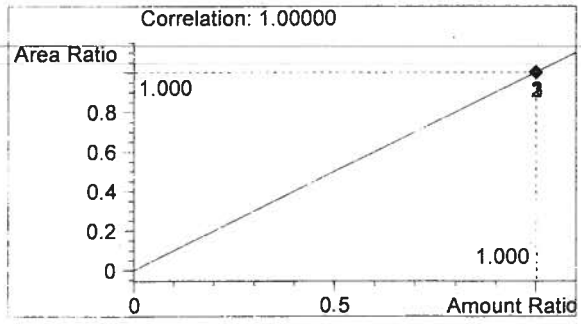

n-Propanol 0.012 g/100mL

13063

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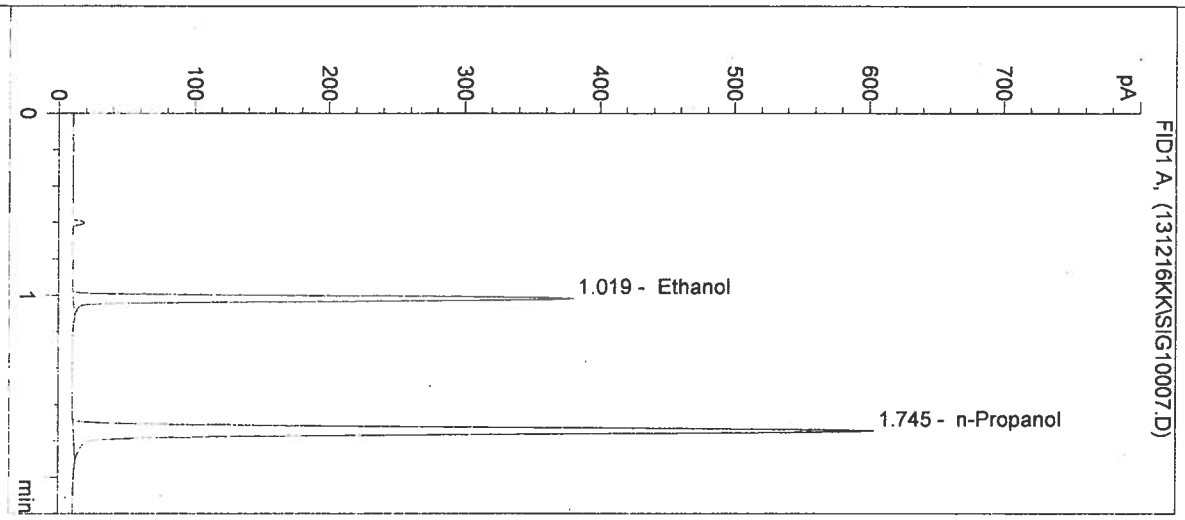
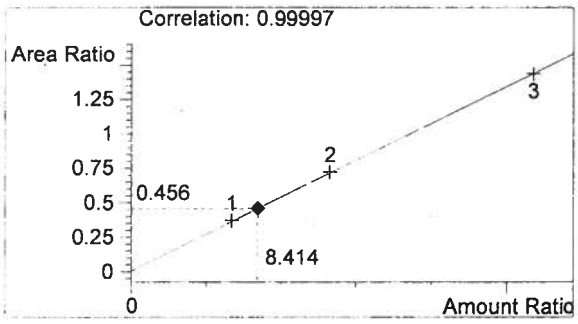
Inj. Date: 12/16/2013 12:39:58 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.10g/100mL

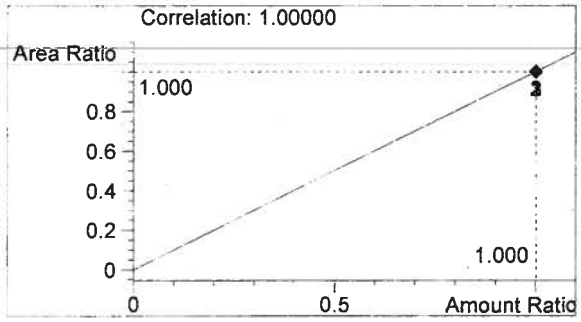
Sample Name: CTRL2 (0.10)
Operator: Katie Knorr
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	723	1.019
2	n-Propanol	1586	1.745



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

13060
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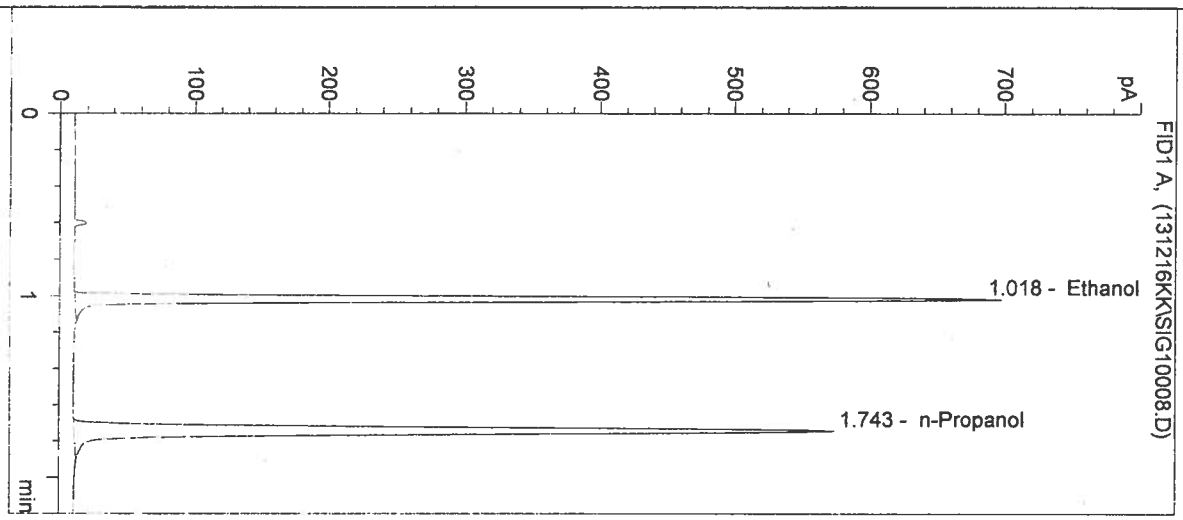
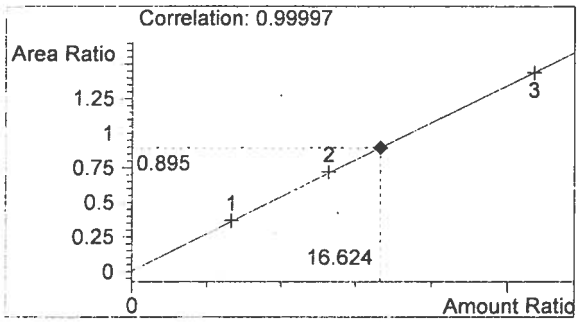
Inj. Date: 12/16/2013 12:43:05 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.20g/100mL

Sample Name: CTRL3 (0.20)
Operator: Katie Knorr
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1349	1.018
2	n-Propanol	1507	1.743



Ethanol 0.199 g/100mL

13060

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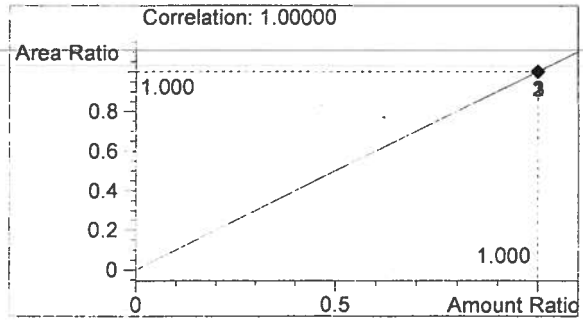

n-Propanol 0.012 g/100mL

13063

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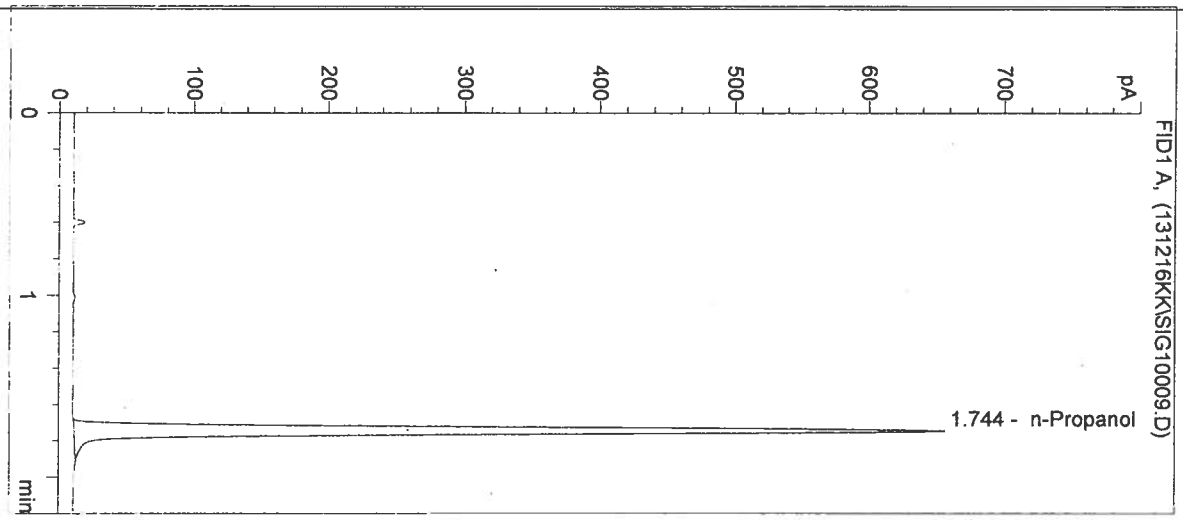
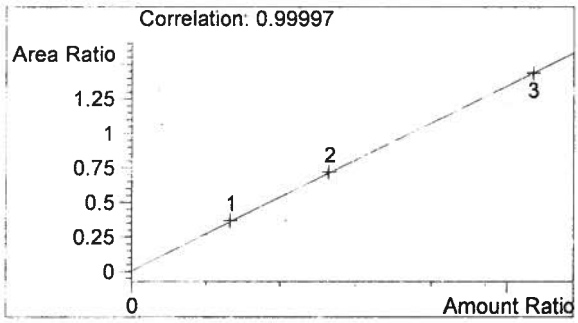
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 12:46:13 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: NEG CTRL
Operator: Katie Knorr
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1729	1.744



Ethanol 0.000 g/100mL

13060

13061

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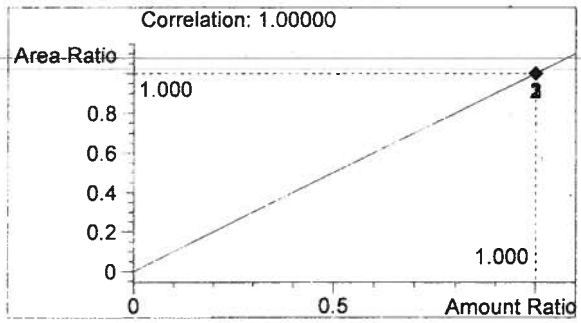

n-Propanol 0.012 g/100mL

13063

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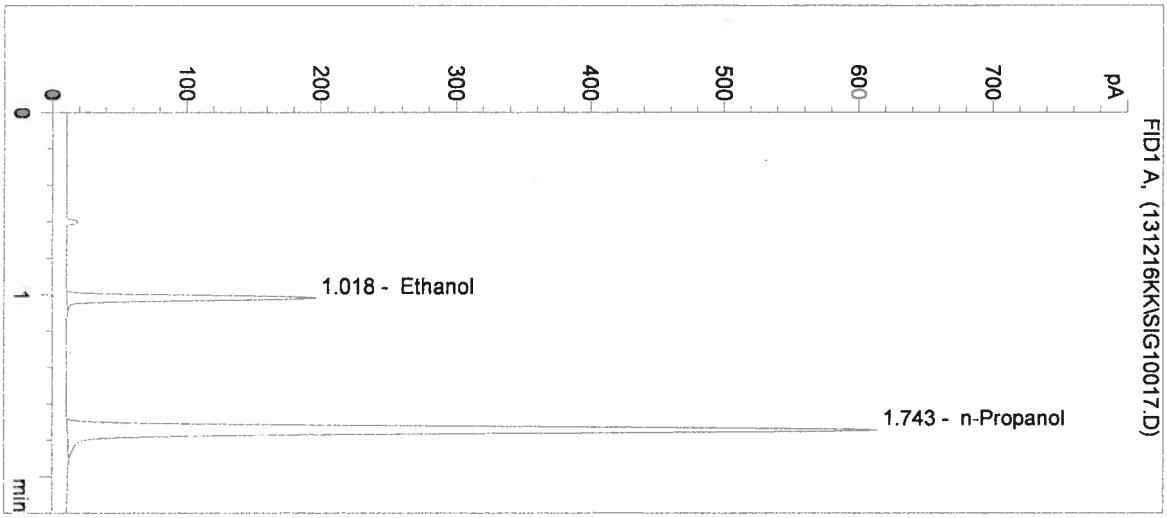
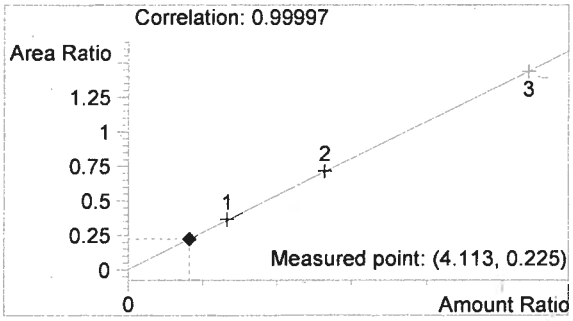
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 1:11:13 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

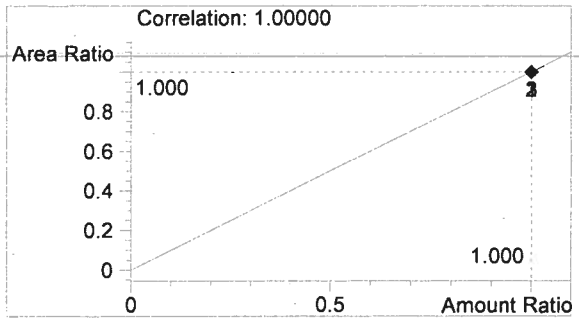
Sample Name: 13060-1
Operator: Katie Knorr
Location: Vial 17



#	Compound	Peak Area	RT (min)
1	Ethanol	364	1.018
2	n-Propanol	1615	1.743



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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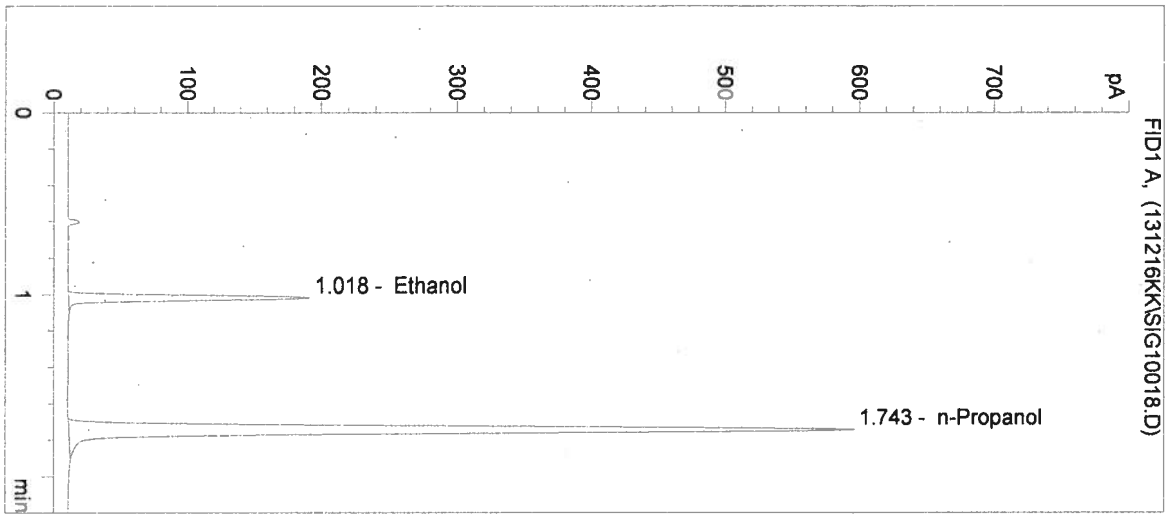
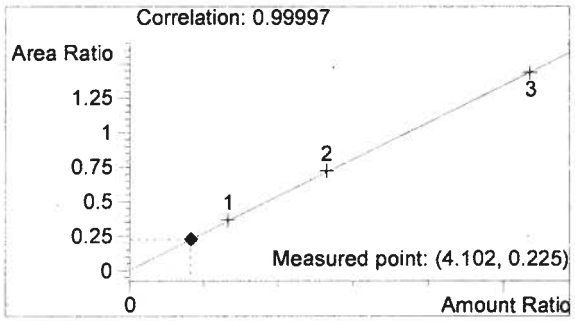
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 1:14:21 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

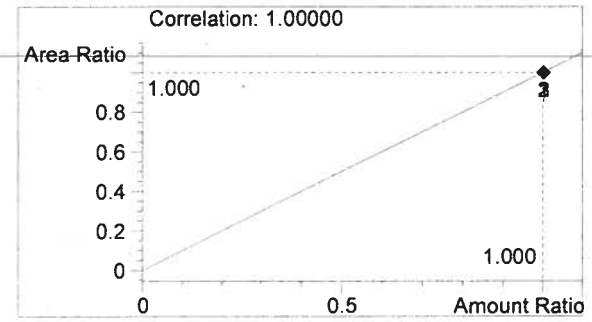
Sample Name: 13060-2
Operator: Katie Knorr
Location: Vial 18



#	Compound	Peak Area	RT (min)
1	Ethanol	352	1.018
2	n-Propanol	1566	1.743



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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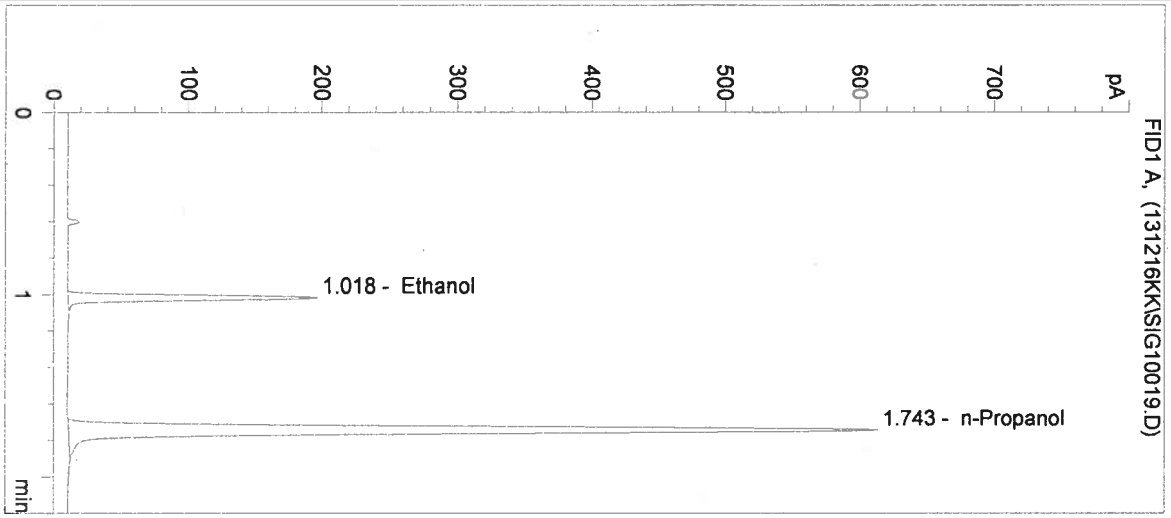
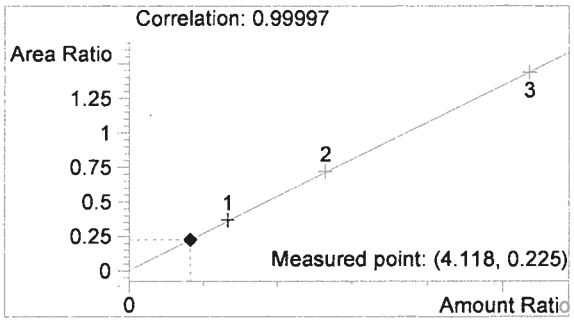
Inj. Date: 12/16/2013 1:17:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

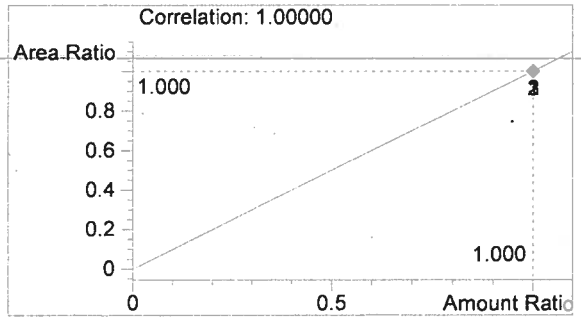
Sample Name: 13060-3
Operator: Katie Knorr
Location: Vial 19



#	Compound	Peak Area	RT (min)
1	Ethanol	363	1.018
2	n-Propanol	1610	1.743



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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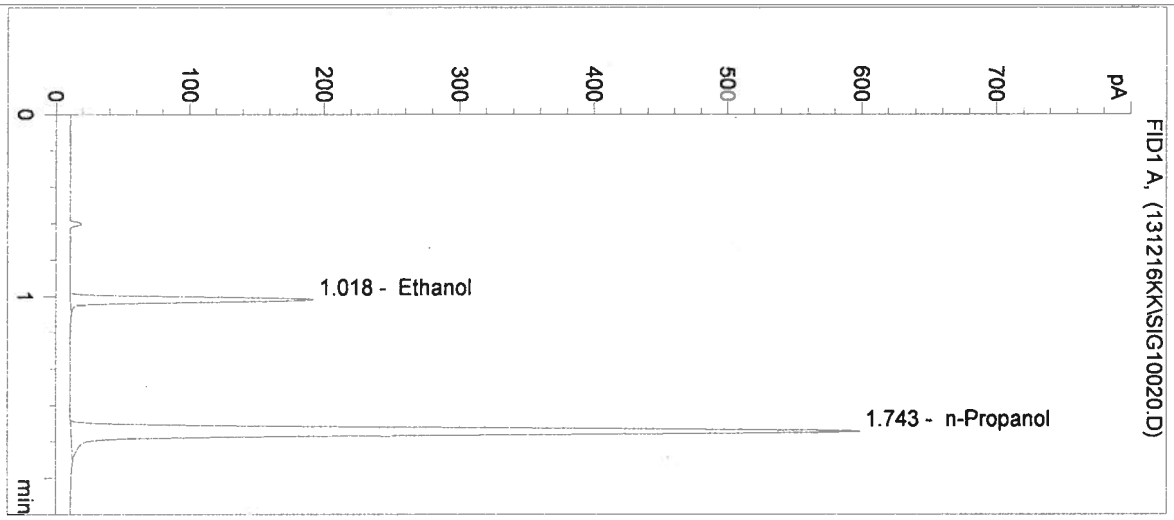
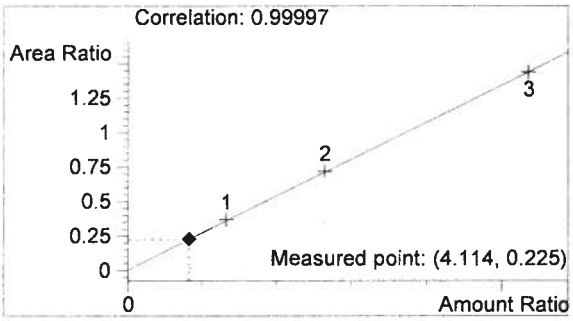
Inj. Date: 12/16/2013 1:20:36 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

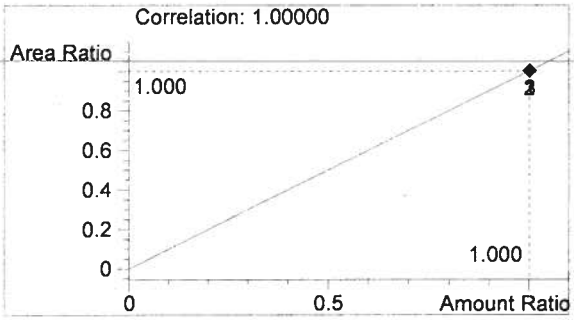
Sample Name: 13060-4
Operator: Katie Knorr
Location: Vial 20



#	Compound	Peak Area	RT (min)
1	Ethanol	355	1.018
2	n-Propanol	1575	1.743



Ethanol 0.049 g/100mL



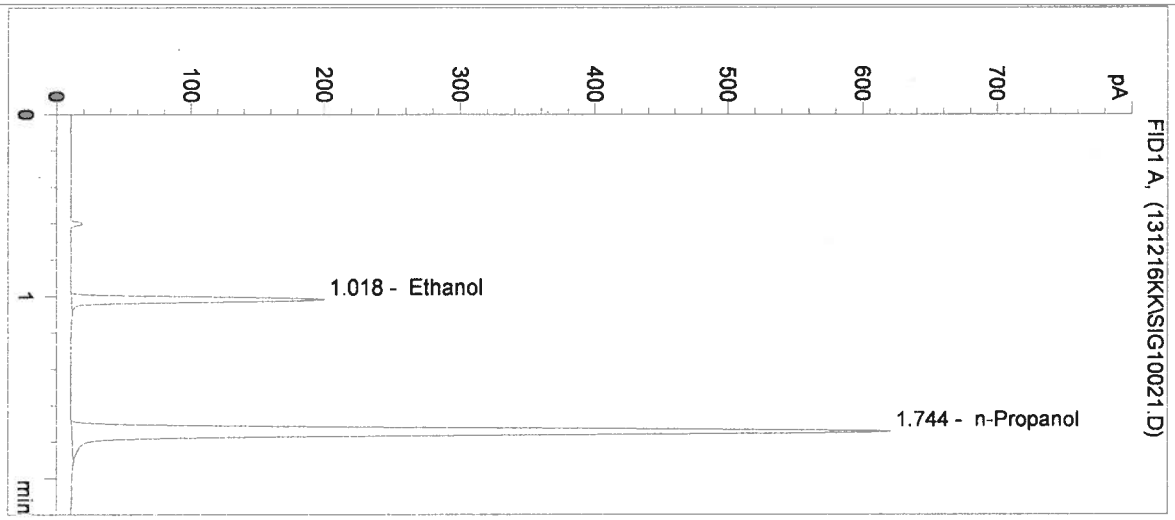
n-Propanol 0.012 g/100mL

KK

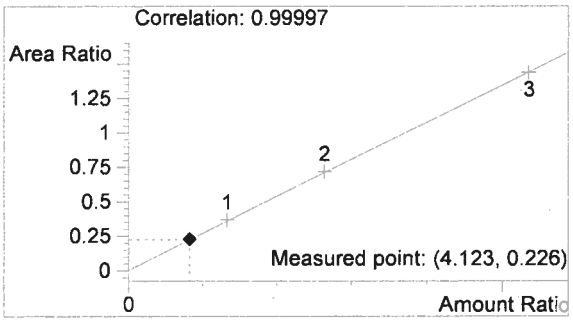
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 1:23:43 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

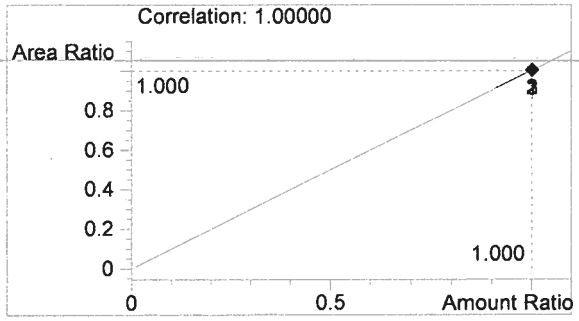
Sample Name: 13060-5
Operator: Katie Knorr
Location: Vial 21



#	Compound	Peak Area	RT (min)
1	Ethanol	368	1.018
2	n-Propanol	1630	1.744



Ethanol 0.049 g/100mL



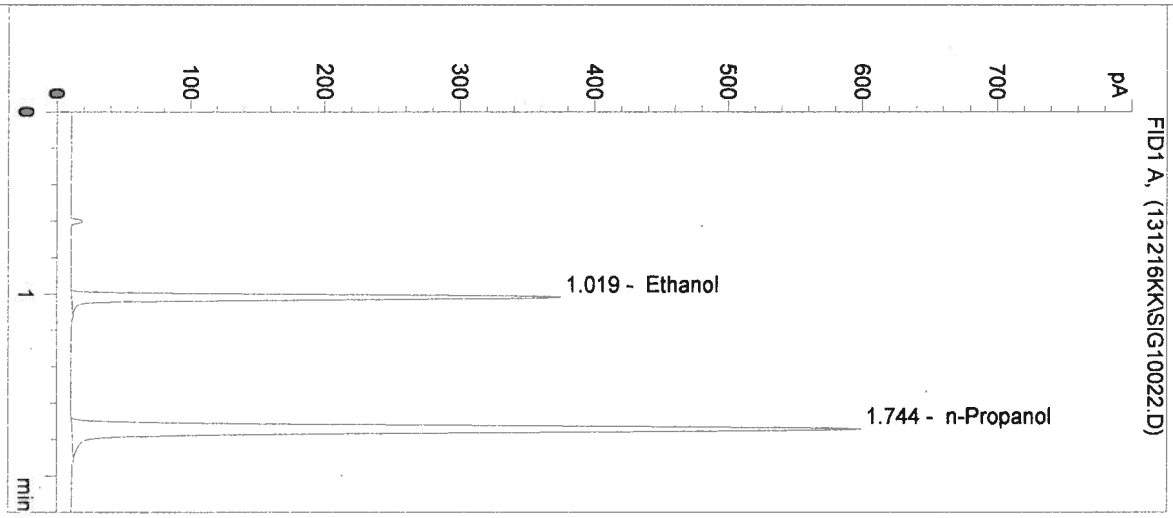
n-Propanol 0.012 g/100mL

KK

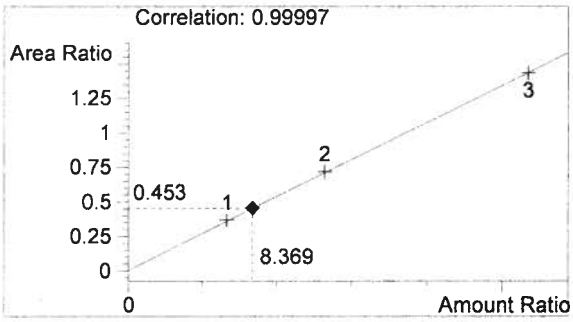
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 1:26:51 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.10g/100mL

Sample Name: CTRL2 (0.10)
Operator: Katie Knorr
Location: Vial 22

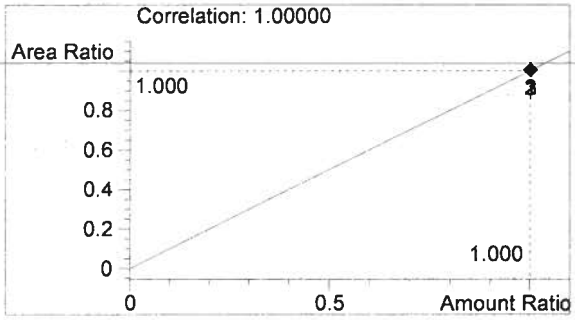


#	Compound	Peak Area	RT (min)
1	Ethanol	713	1.019
2	n-Propanol	1573	1.744



Ethanol 0.100 g/100mL

13060



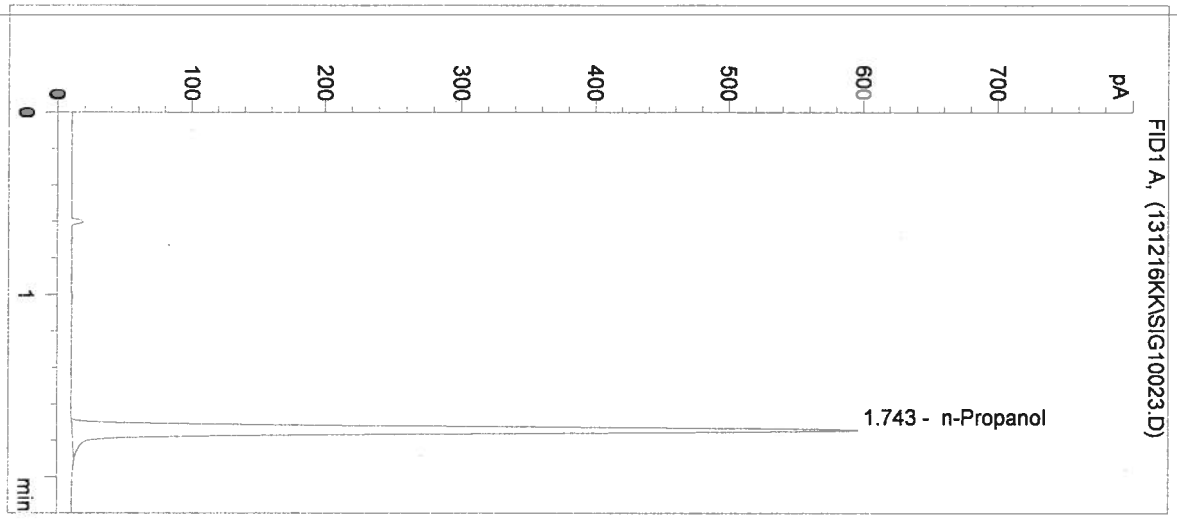
n-Propanol 0.012 g/100mL

KK

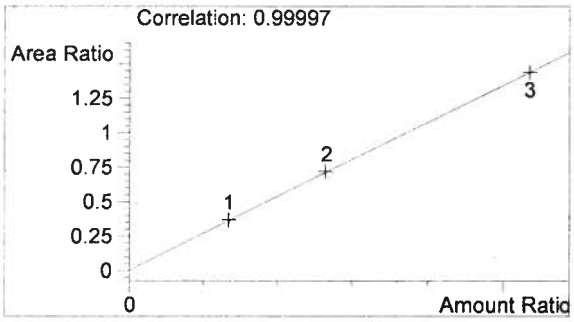
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2013 1:29:58 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: NEG CTRL
Operator: Katie Knorr
Location: Vial 23

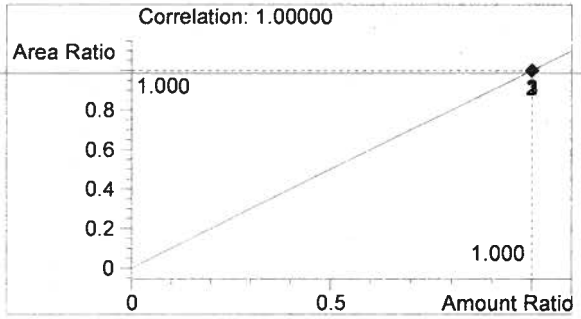


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1565	1.743



Ethanol 0.000 g/100mL

13060



n-Propanol 0.012 g/100mL

KK

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

Sequence Parameters:

Operator:	Andrew Gingras
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	131217AG
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1 (0.079 g/100mL) - Lot#E1213-01 - Exp 6/3/2014
Cal 2 (0.158 g/100mL) - Lot#E1213-02 - Exp 6/3/2014
Cal 3 (0.316 g/100mL) - Lot#E1213-03 - Exp 6/3/2014

CTRL 1 (0.04 g/100mL) - Lot#FN120110-04 - Exp 12/2015
CTRL 2 (0.10 g/100mL) - Lot#A095230 - Exp 09/2017
CTRL 3 (0.20 g/100mL) - Lot#FN100511-01 - Exp 10/2016

n-Propanol ISTD - Lot# P1113 - Exp 02/14/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	13060 #1	SIMALC3	1	Sample		
11	Vial 11	13060 #2	SIMALC3	1	Sample		
12	Vial 12	13060 #3	SIMALC3	1	Sample		
13	Vial 13	13060 #4	SIMALC3	1	Sample		
14	Vial 14	13060 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	13061 #1	SIMALC3	1	Sample		
18	Vial 18	13061 #2	SIMALC3	1	Sample		
19	Vial 19	13061 #3	SIMALC3	1	Sample		
20	Vial 20	13061 #4	SIMALC3	1	Sample		
21	Vial 21	13061 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	13062 #1	SIMALC3	1	Sample		
25	Vial 25	13062 #2	SIMALC3	1	Sample		
26	Vial 26	13062 #3	SIMALC3	1	Sample		

13060
13061
13062
13063

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	13062 #4	SIMALC3	1	Sample		
28	Vial 28	13062 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	13063 #1	SIMALC3	1	Sample		
32	Vial 32	13063 #2	SIMALC3	1	Sample		
33	Vial 33	13063 #3	SIMALC3	1	Sample		
34	Vial 34	13063 #4	SIMALC3	1	Sample		
35	Vial 35	13063 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

13060

13061

13062

13063

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Tuesday, December 17, 2013 1:09:50 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
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.017	1	1	8.00300e-2	553.06195	1.44704e-4		1	Ethanol
		2	1.58560e-1	1084.87866	1.46155e-4			
		3	3.21220e-1	2195.57642	1.46303e-4			
1.740	1	1	1.20000e-2	1566.28186	7.66146e-6		I1	n-Propanol
		2	1.20000e-2	1551.35339	7.73518e-6			
		3	1.20000e-2	1566.96912	7.65810e-6			

Peak Sum Table

No Entries in table

13060
13061
13062
13063

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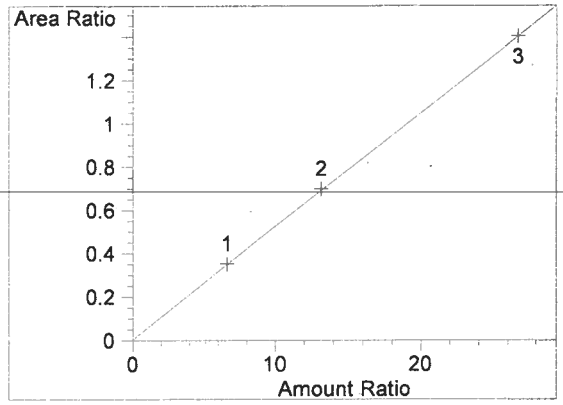
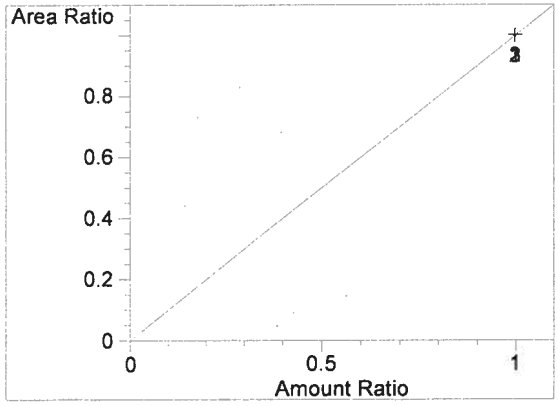
Calibration Curves

==========



Ethanol at exp. RT: 1.017
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00451
Formula: y = mx + b
m: 5.23232e-2
b: 3.16440e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.740
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

==========

13060
13061
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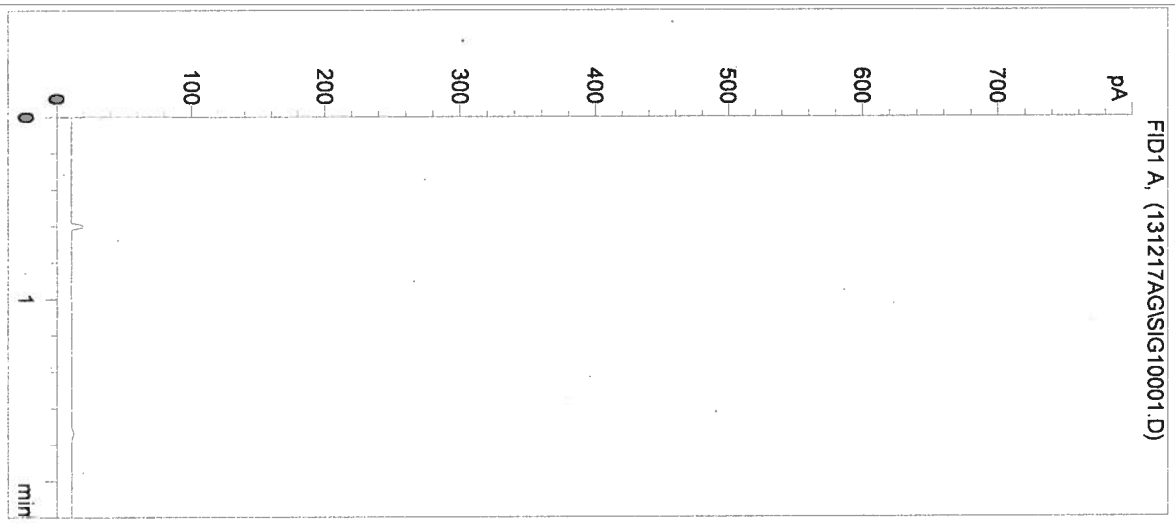
13063

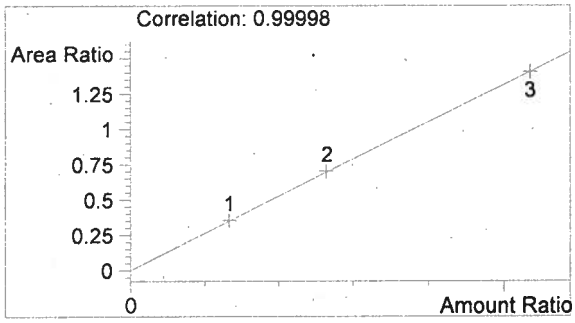
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2013 12:58:16 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

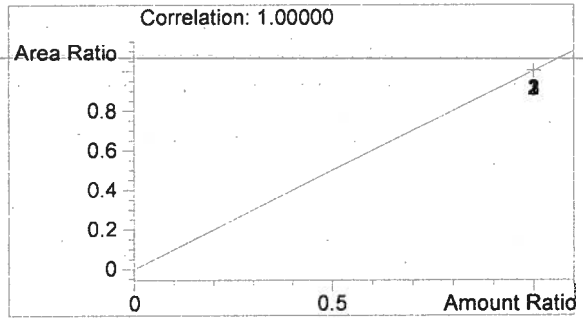
Sample Name: BLANK
Operator: Andrew Gingras
Location: Vial 1



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

13060
13061
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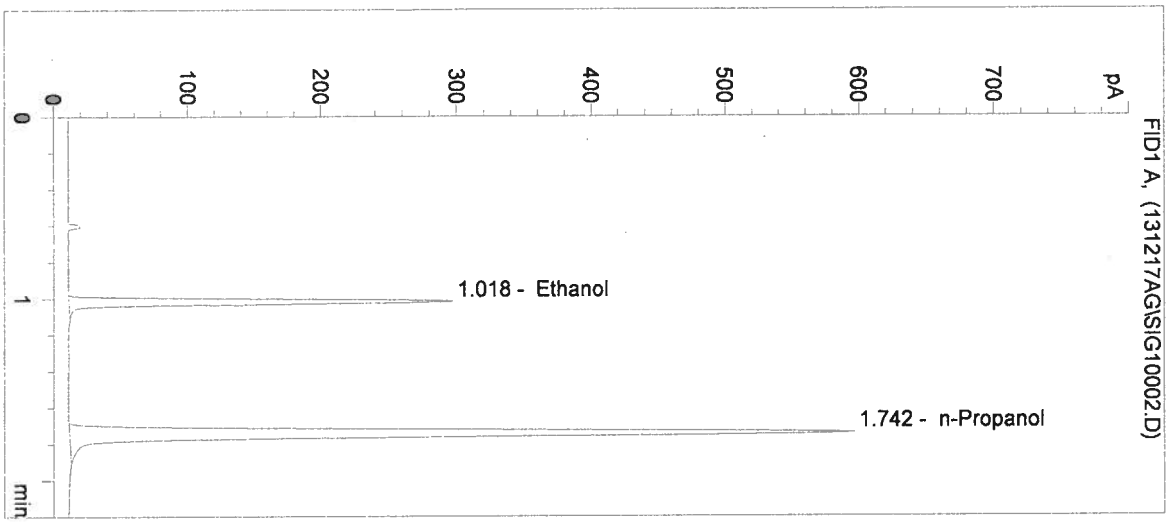
Data File: C:\HPCHEM\2\DATA\131217AG\SIG10001.D

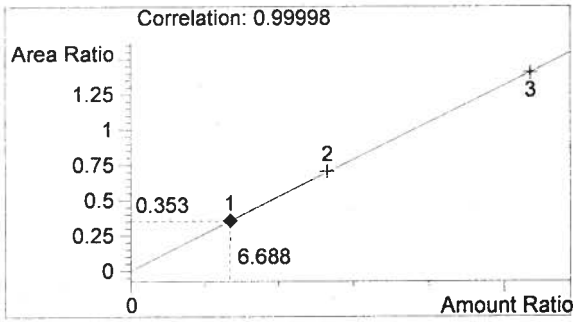
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2013 1:01:23 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

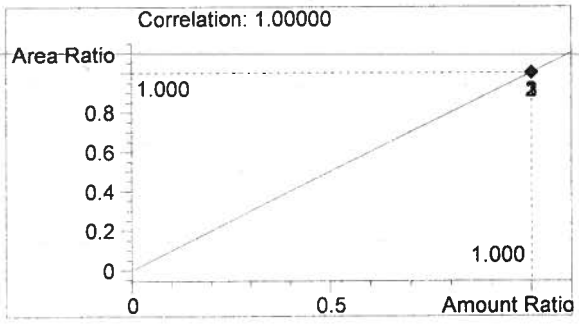
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	553	1.018
2	n-Propanol	1566	1.742



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

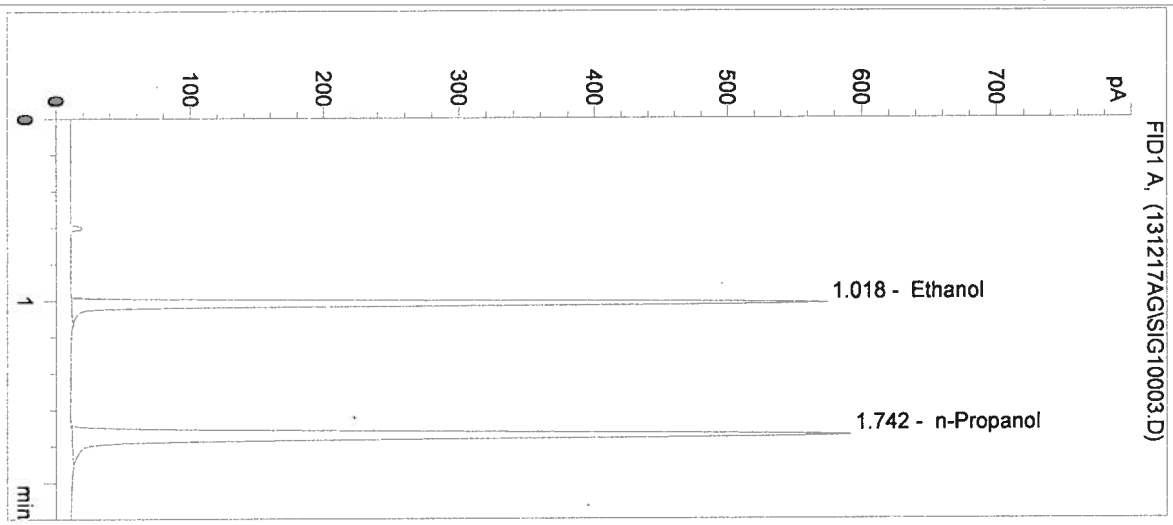
13060
13061
13062
13063

Data File: C:\HPCHEM\2\DATA\131217AG\SIG10002.D

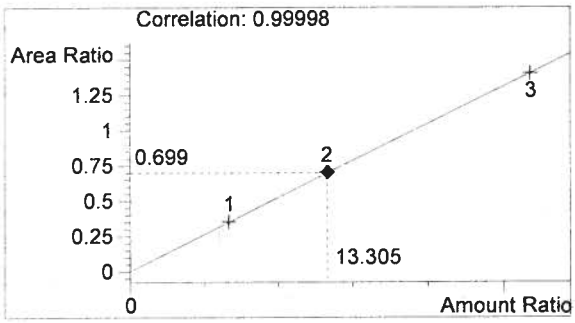
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2013 1:04:31 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

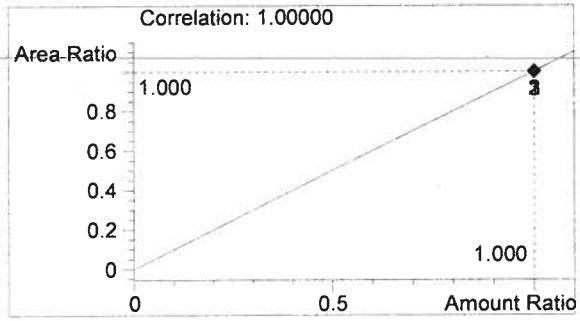
Sample Name: 0.158 CAL 2
Operator: Andrew Gingras
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1085	1.018
2	n-Propanol	1551	1.742



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

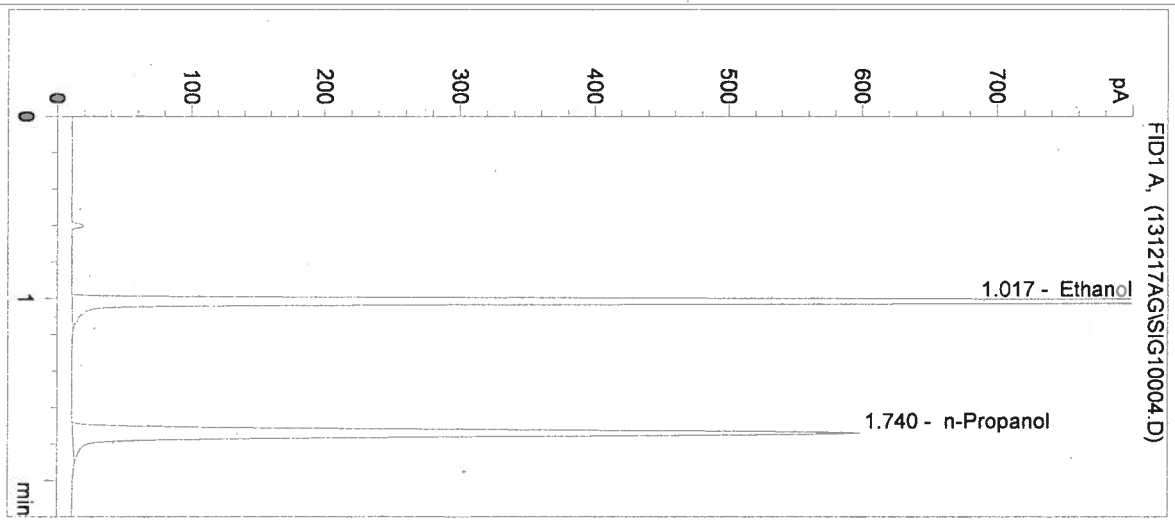
13060
13061
13062
13063

Data File: C:\HPCHEM\2\DATA\131217AG\SIG10003.D

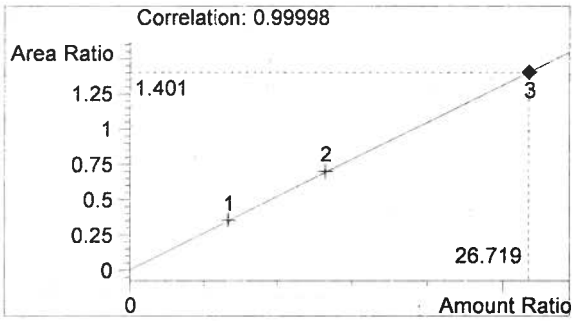
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2013 1:07:38 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

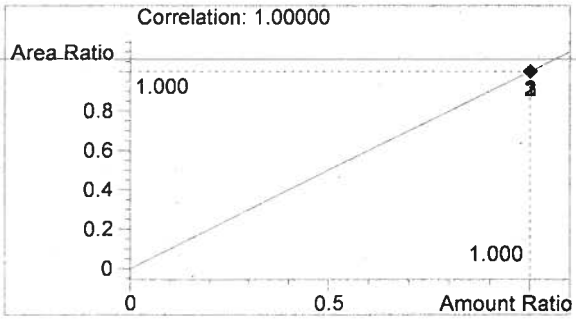
Sample Name: 0.316 CAL 3
Operator: Andrew Gingras
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2196	1.017
2	n-Propanol	1567	1.740



Ethanol 0.321 g/100mL



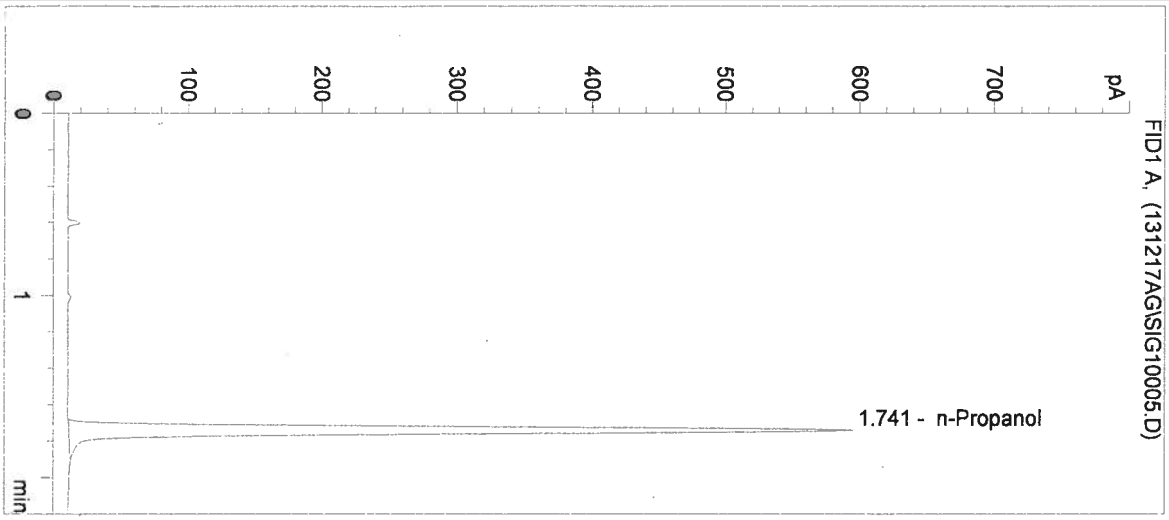
n-Propanol 0.012 g/100mL

13060
13061
13062
13063

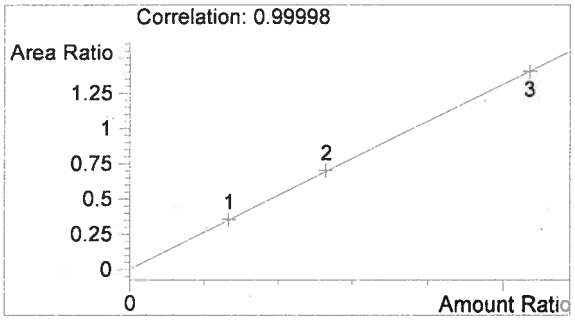
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2013 1:10:46 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

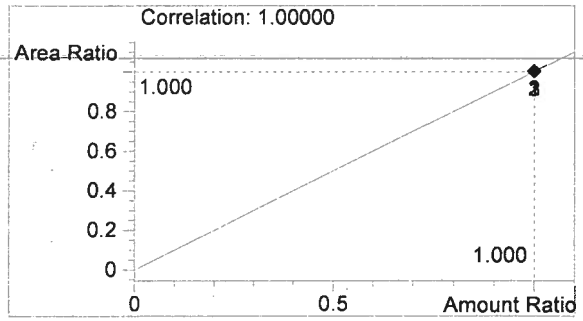
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1563	1.741



Ethanol 0.000 g/100mL



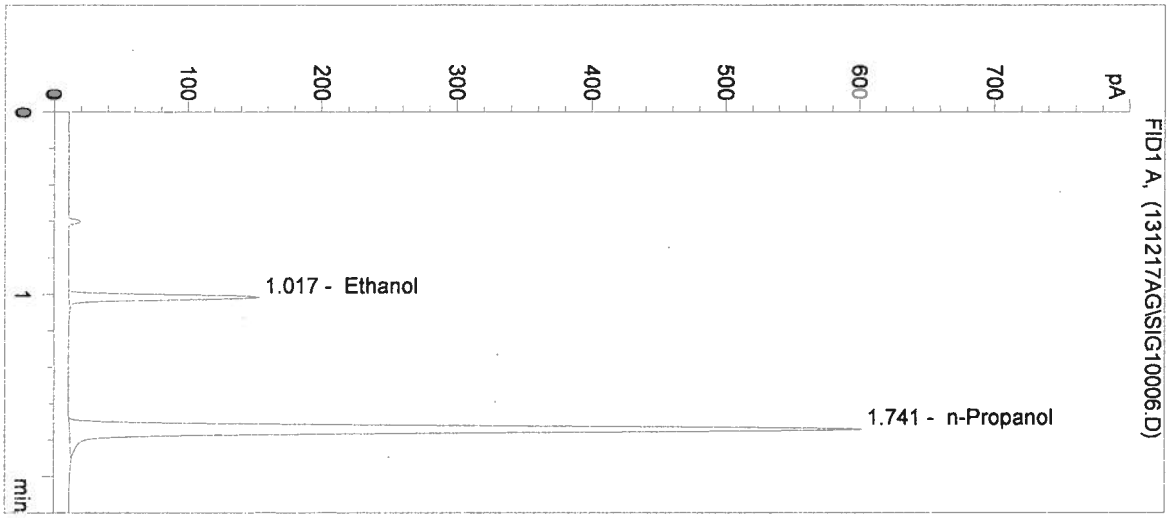
n-Propanol 0.012 g/100mL

13060
13061
13062
13063

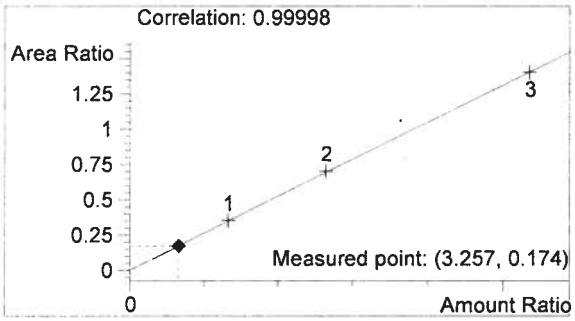
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2013 1:13:53 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

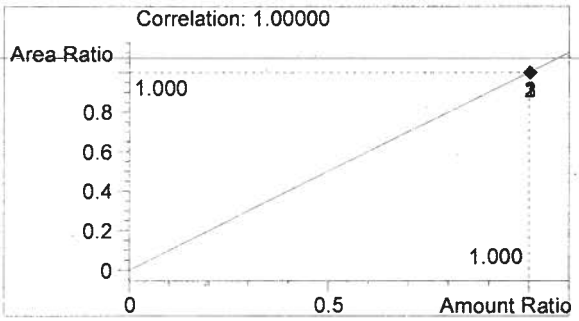
Sample Name: 0.04 CTRL
Operator: Andrew Gingras
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	275	1.017
2	n-Propanol	1583	1.741



Ethanol 0.039 g/100mL



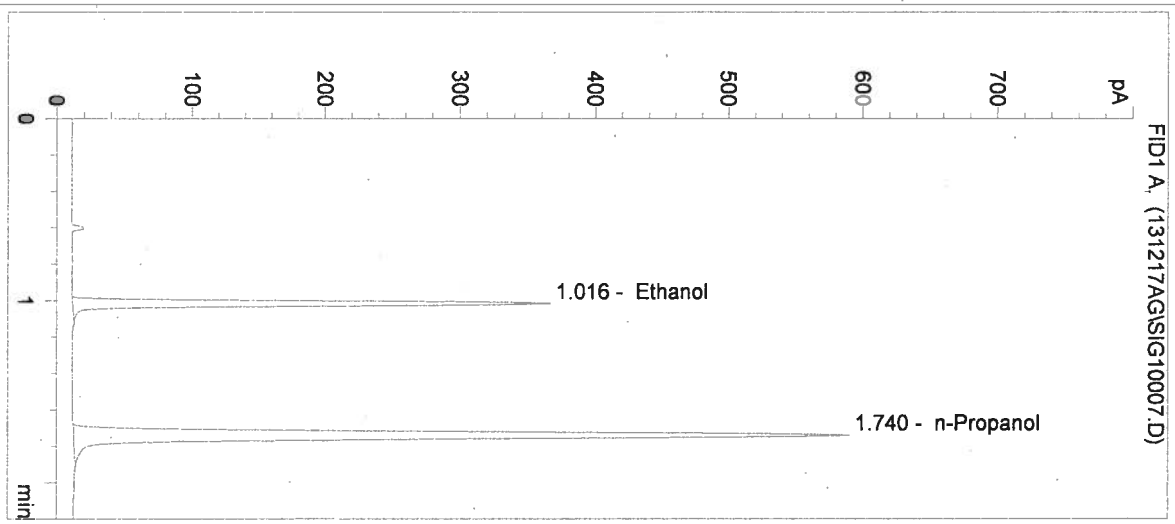
n-Propanol 0.012 g/100mL

13060
13061
13062
13063

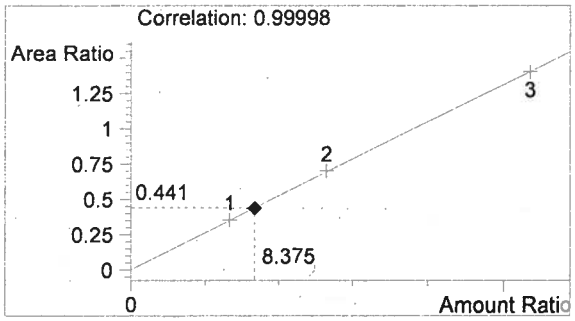
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2013 1:17:01 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

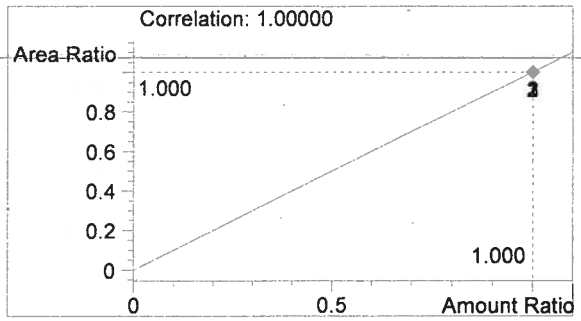
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	682	1.016
2	n-Propanol	1546	1.740



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

13060
13061
13062
13063

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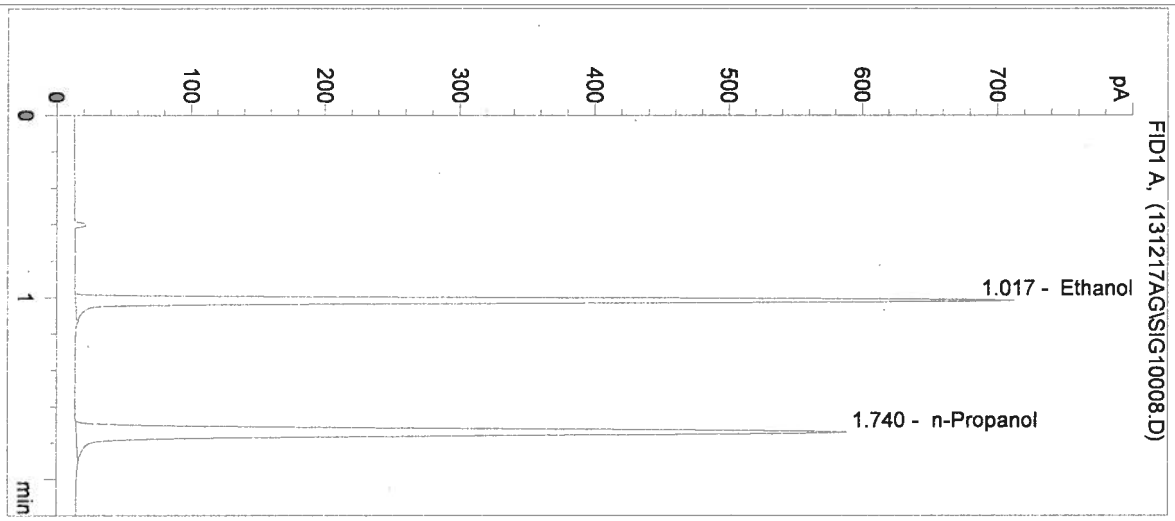
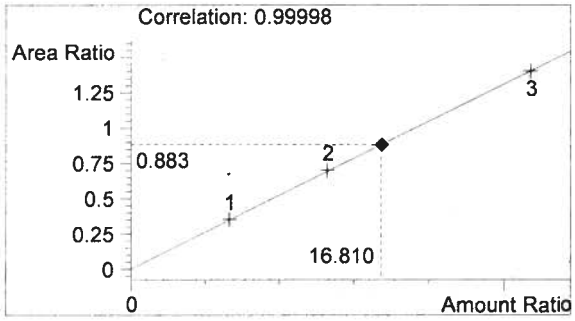
Inj. Date: 12/17/2013 1:20:08 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

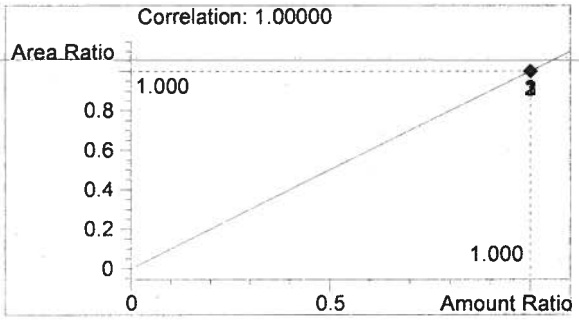
Sample Name: 0.20 CTRL
Operator: Andrew Gingras
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1356	1.017
2	n-Propanol	1536	1.740



Ethanol 0.202 g/100mL



n-Propanol 0.012 g/100mL

13060
13061
13062
13063

Data File: C:\HPCHEM\2\DATA\131217AG\SIG10008.D

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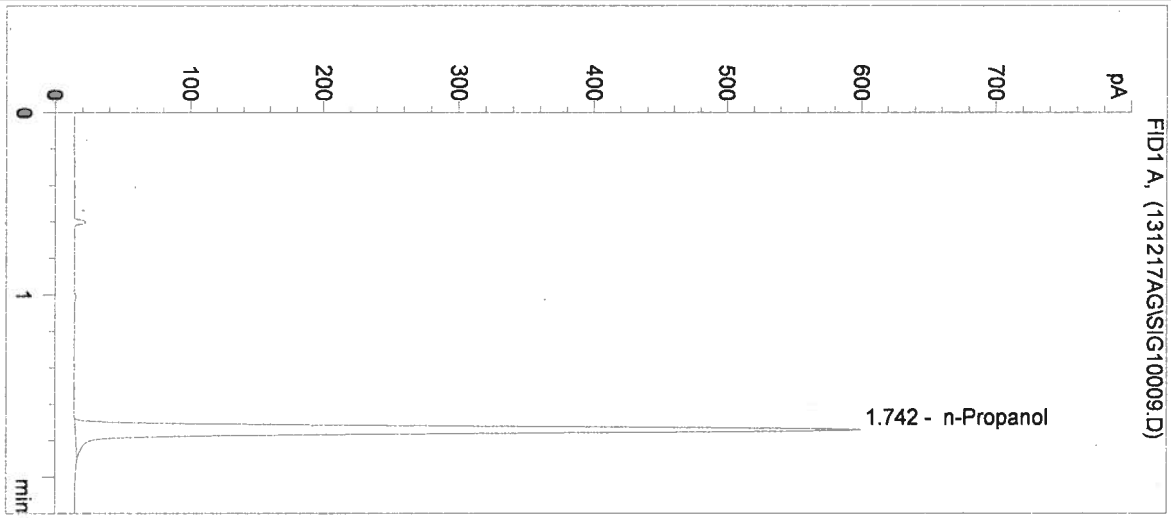
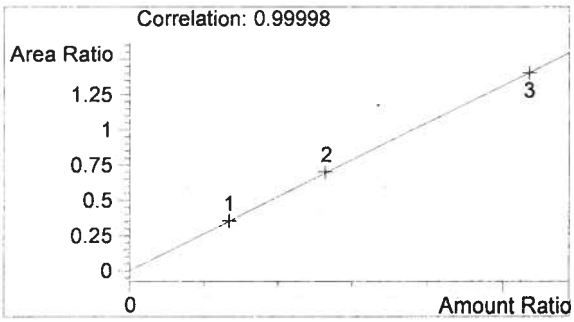
Inj. Date: 12/17/2013 1:23:15 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

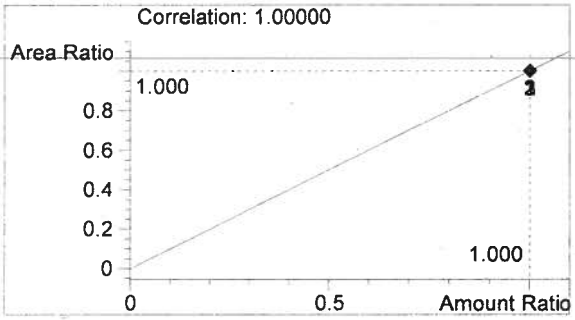
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1563	1.742



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13060
13061
13062
13063

Data File: C:\HPCHEM\2\DATA\131217AG\SIG10009.D

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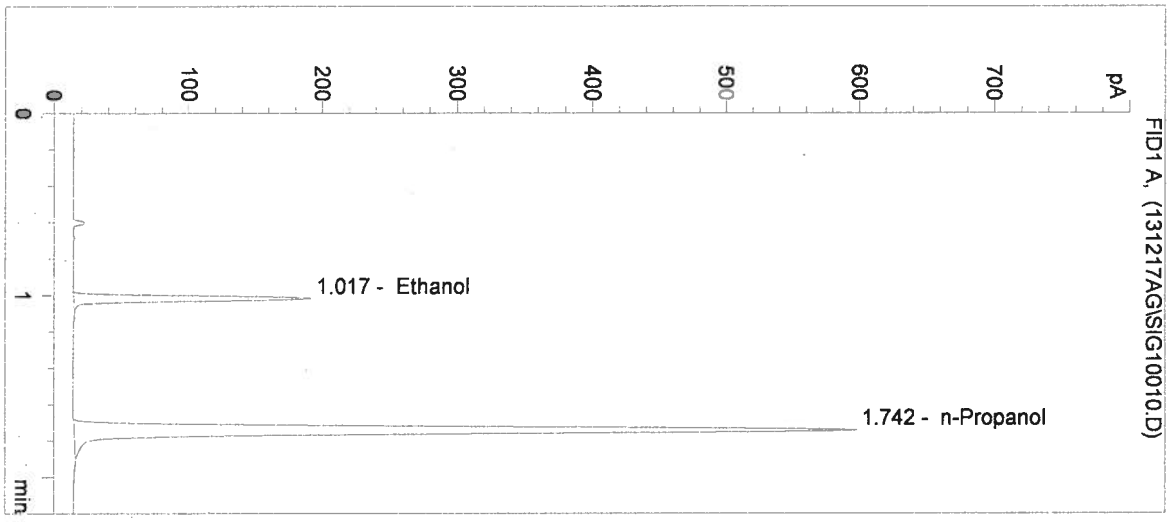
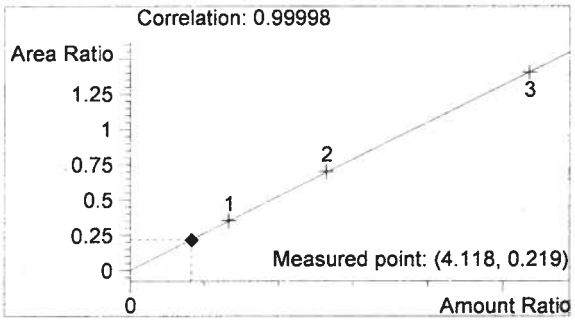
Inj. Date: 12/17/2013 1:26:23 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

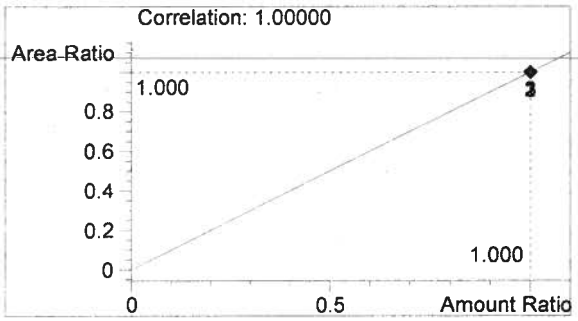
Sample Name: 13060 #1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	341	1.017
2	n-Propanol	1561	1.742



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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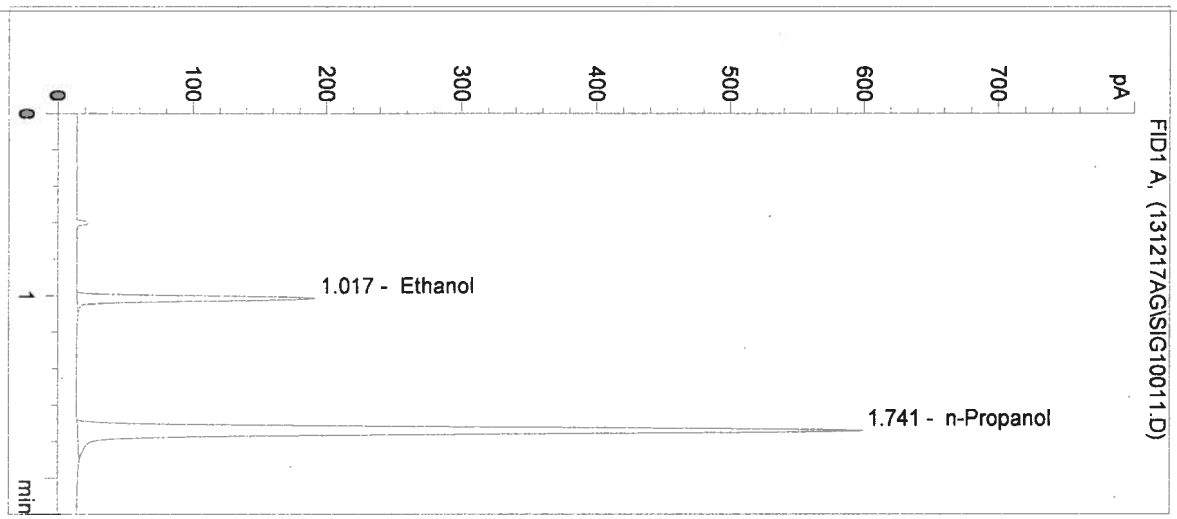
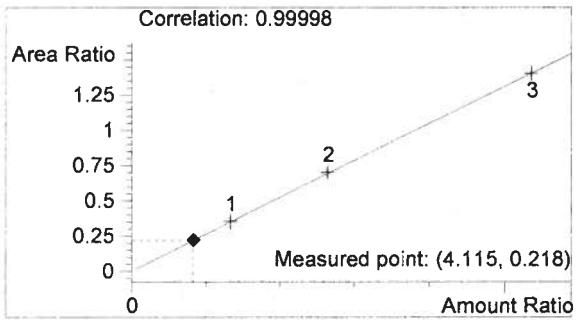
Inj. Date: 12/17/2013 1:29:31 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

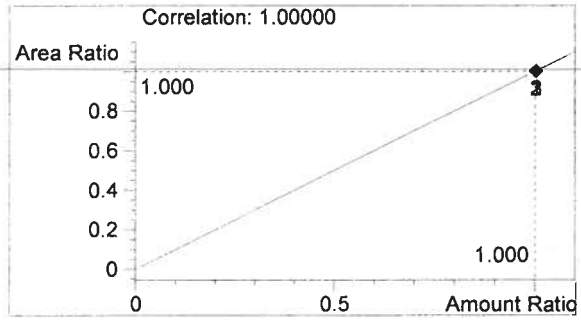
Sample Name: 13060 #2
Operator: Andrew Gingras
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	342	1.017
2	n-Propanol	1564	1.741



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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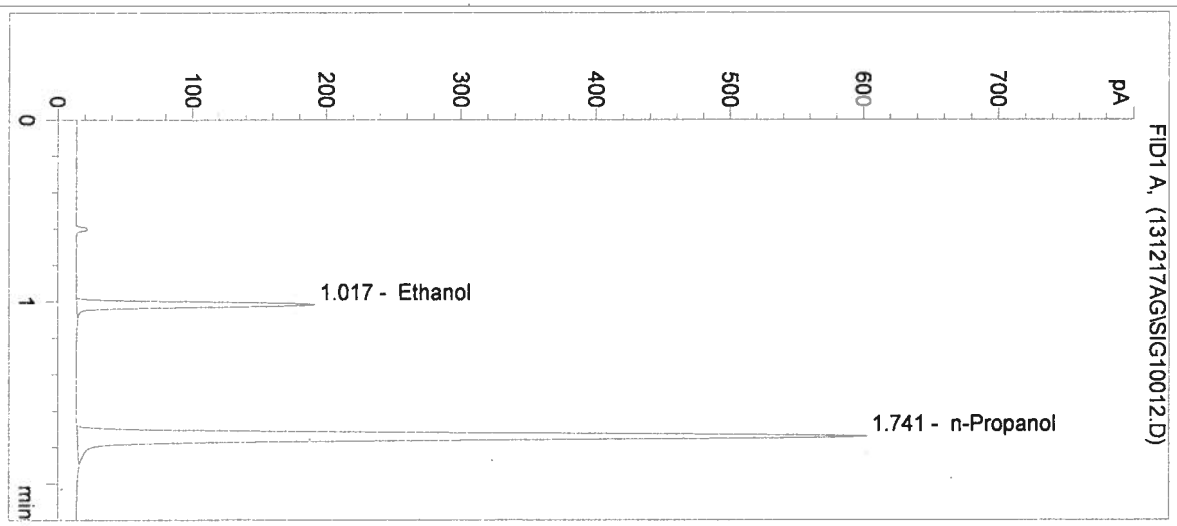
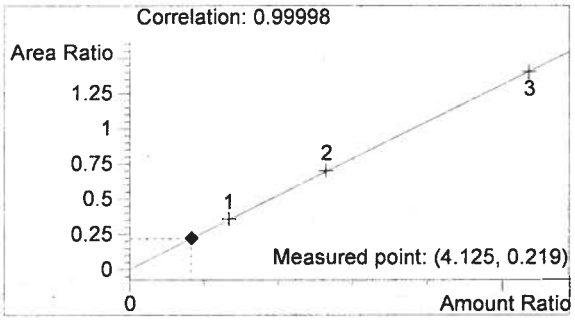
Inj. Date: 12/17/2013 1:32:38 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

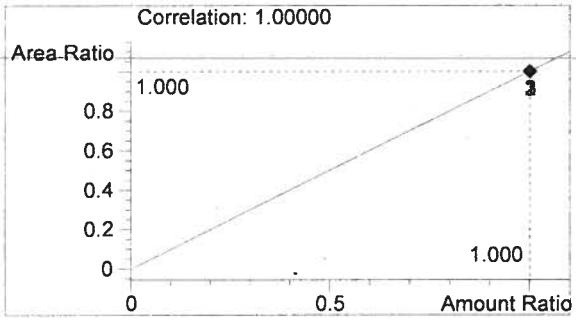
Sample Name: 13060 #3
Operator: Andrew Gingras
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	345	1.017
2	n-Propanol	1574	1.741



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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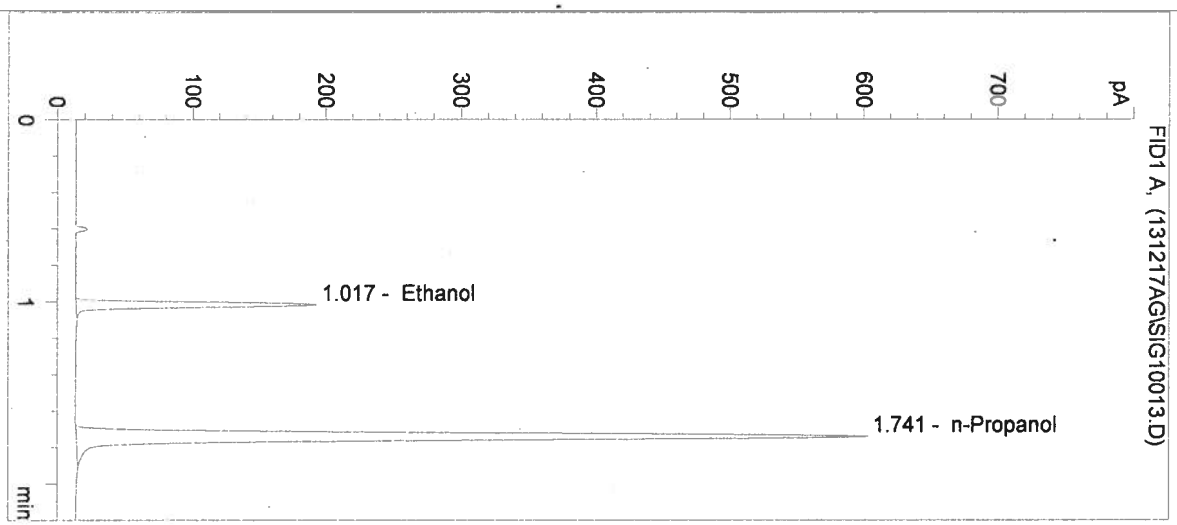
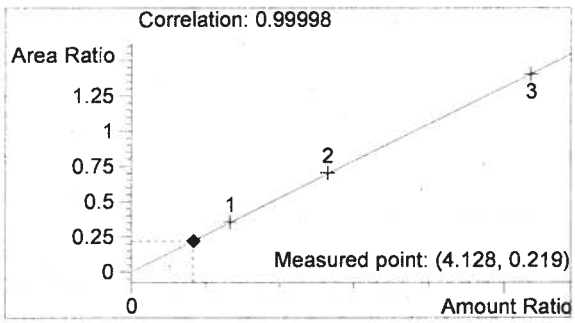
Inj. Date: 12/17/2013 1:35:46 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

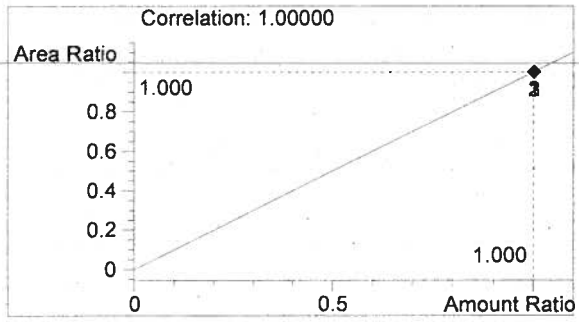
Sample Name: 13060 #4
Operator: Andrew Gingras
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	346	1.017
2	n-Propanol	1579	1.741



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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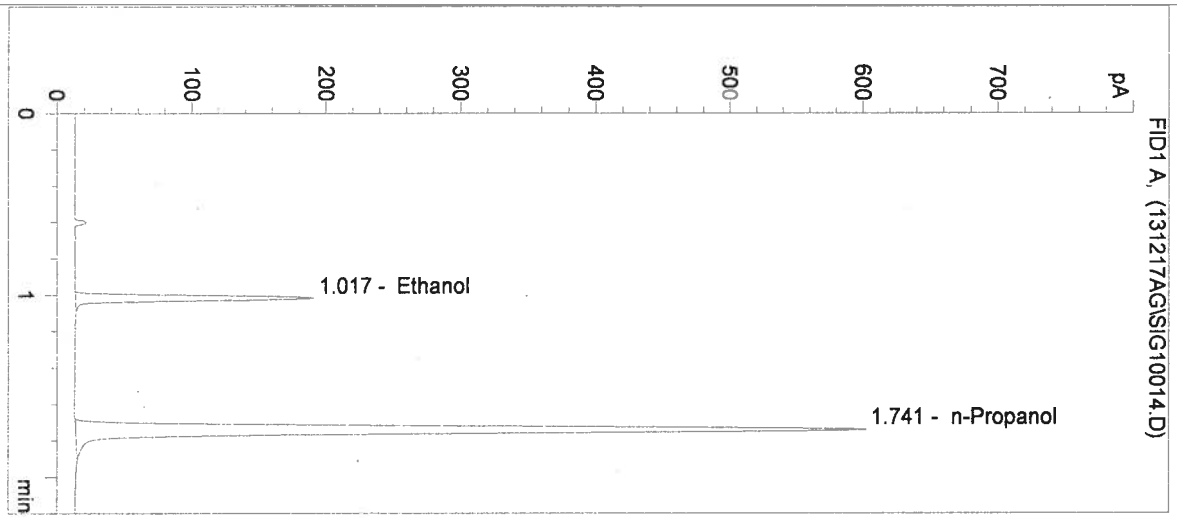
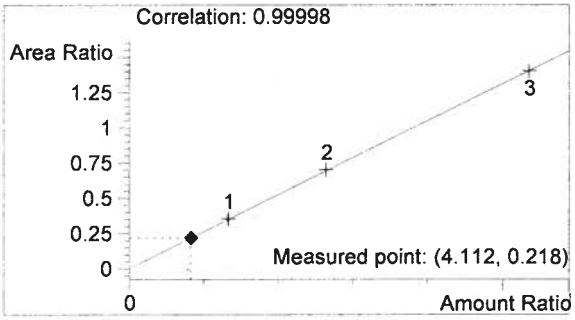
Inj. Date: 12/17/2013 1:38:53 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

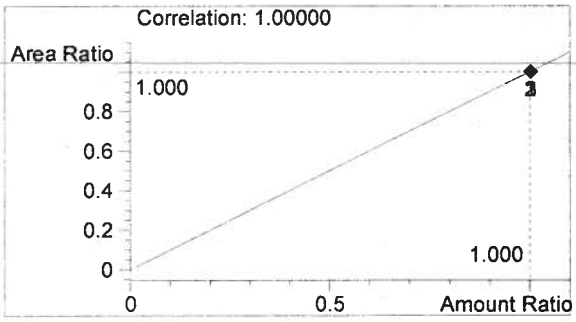
Sample Name: 13060 #5
Operator: Andrew Gingras
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	344	1.017
2	n-Propanol	1576	1.741



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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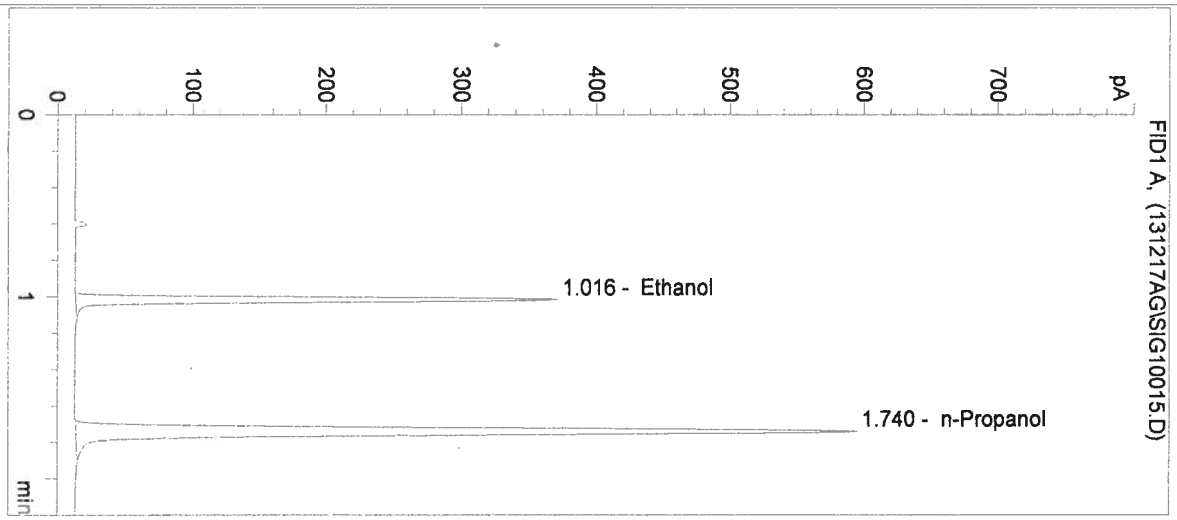
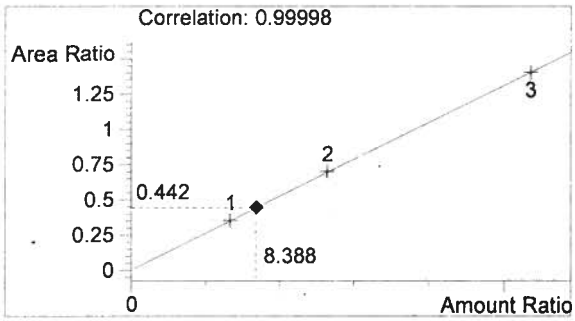
Inj. Date: 12/17/2013 1:42:01 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

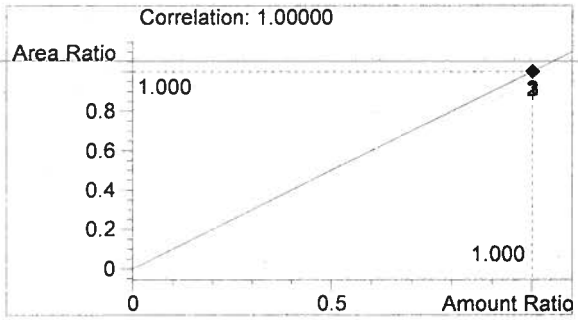
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	687	1.016
2	n-Propanol	1554	1.740



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

13060

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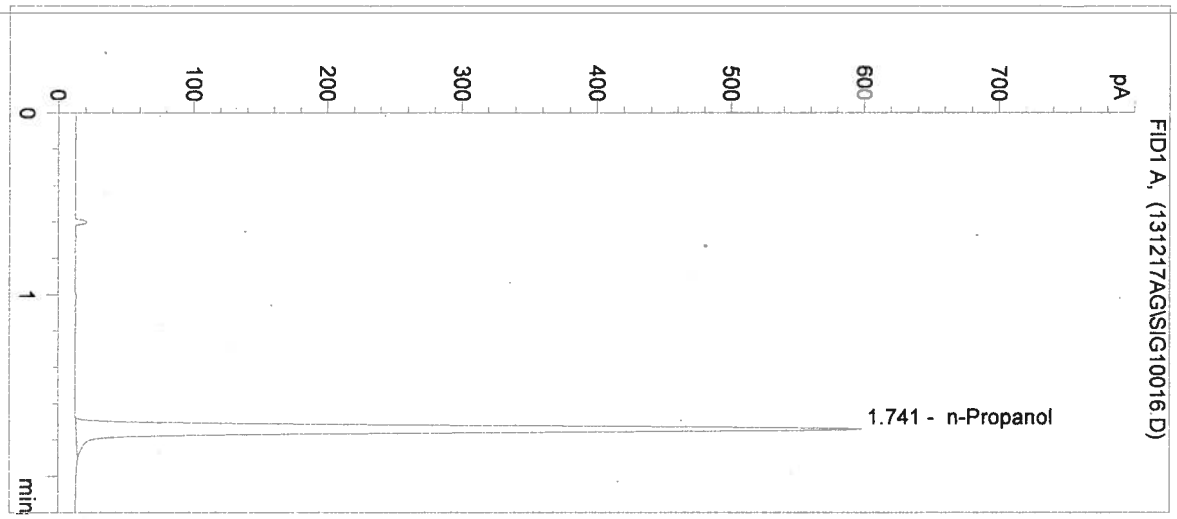
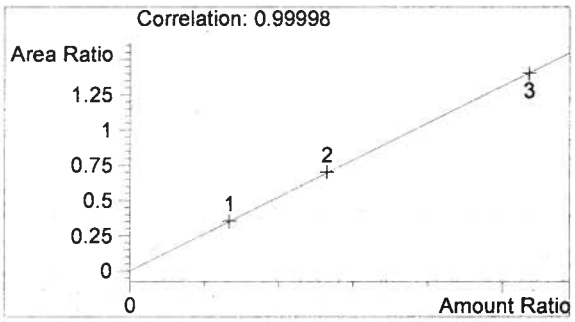
Inj. Date: 12/17/2013 1:45:08 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

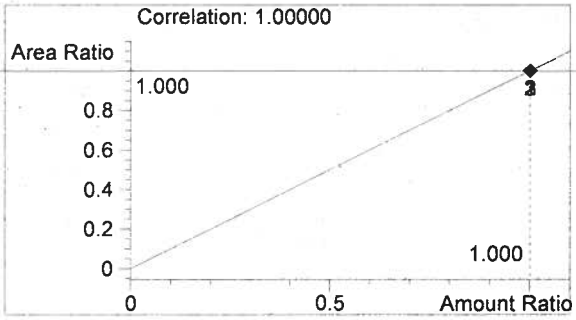
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1565	1.741



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13060

Data File: C:\HPCHEM\2\DATA\131217AG\SIG10016.D