WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 464-5435 FAX (206) 389-2738

Preparation and certification of **0.08** g/210L **Simulator External Standard solution**

Batch number **02009** Date: 4/11/2002

Preparation: 69.1 mL of absolute ethyl alcohol diluted to 54 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12
1	0.101	0.101	0.101	0.099	0.099	0.099	0.104	0.102	0.100			
2	0.101	0.101	0.100	0.100	0.099	0.100	0.104	0.101	0.101			
3	0.101	0.101	0.101	0.100	0.099	0.099	0.102	0.101	0.101			
4	0.100	0.101	0.101	0.100	0.100	0.099	0.104	0.101	0.101			
5	0.100	0.101	0.100	0.100	0.099	0.100	0.103	0.101	0.101			
Ctrl	0.100	0.100	0.102	0.099	0.099	0.100	0.102	0.103	0.100			

CAP Control:

Lot #: 8180 Exp date: 6/22/02

Target concentration: 0.101 g/100mL

Statistics:

Avg. solution concent.: 0.1007 g/100 mL

SD: 0.00129

Range (3xSD): 0.0968 to 0.1045

Precision CV (%): 1.2811 %

Equivalent vapor concent.: 0.0818 g/210L

Analyst	Name	Signature	Date
1	Ruth Luthi	Ruth Luthi	04/11/02
2	William P Marshall	William P Marshall	04/15/02
3	Melissa Pemberton	Melissa L Pemberton	04/16/02
4	Eugene Schwilke	Gene Schwilke	04/17/02
5	Egle Weiss	Egle Weiss	04/17/02
6	Edward Formoso	E Formoso	04/18/02
7	Naziha Nuwayhid, PhD	[illegible]	04/18/02
8	Estuardo J. Miranda	E Miranda	04/19/02
9	Ann Marie Gordon	Ann Marie Gordon	04/19/02
10			
11			
12			

Prepared by: Ruth Luthi according to the approved protocol

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Ruth Luthi, 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 simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Chemistry and twenty-two years of experience in analytical chemistry, and eighteen years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Ruth Luthi
Forensic Toxicologist

RL/nf
RLSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, William P. Marshall, 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 simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Chemistry and twenty-eight years of analytical laboratory experience including twelve years of toxicology experience.

The simulator solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/nf
WMSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Melissa L. Pemberton, 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 BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Bachelors degree in Microbiology and ten years of experience as a forensic toxicologist.

The simulator solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Melissa L. Pemberton
Forensic Toxicologist

MP/nf
MPSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Eugene W. Schwilke, 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 simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biology, Board Certification from the American Board of Forensic Toxicology, and five years of experience in the Washington State Toxicology Laboratory.

The Simulator Solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Eugene W. Schwilke, A.B.F.T.
Forensic Toxicologist

GS/nf
GSSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Egle Weiss, 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 simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: MS degree in Chemistry and twenty-six years experience in analytical chemistry, and seventeen years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Egle Weiss
Forensic Toxicologist

EW/nf
EWSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Edward J. Formoso, 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 simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Chemistry and twenty-five years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/nf
EFSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Naziha Nuwayhid, 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 simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Bachelor and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and two years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The simulator solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/nf
NNSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Estuardo J. Miranda, 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 simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Bachelor of Science in Chemistry, Master of Science in Zoology, seven years experience in biochemical research and four years experience in Forensic Toxicology.

The simulator Solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/nf
EMSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Ann Marie Gordon, 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 BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Masters degree in Microbiology and Immunology and twelve years of experience as a forensic toxicologist.

The simulator solution, Lot Number 02009, was prepared in the Washington State Toxicology Laboratory on 4/11/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 4/11/03.

Dated: 4/23/02
Seattle, WA

Ann Marie Gordon
Laboratory Manager

AMG/nf
AGSIMSOL

Sequence Parameters:

Operator:	ANN MARIE GORDON
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:	041802-1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	BLANK	BLDALCO3	1	Sample		
2	2	0.079 CALIBRATOR	BLDALCO3	1	Calib		
3	3	0.158 CALIBRATOR	BLDALCO3	1	Calib		
4	4	0.316 CALIBRATOR	BLDALCO3	1	Calib		
5	5	Blank	BLDALCO3	1	Sample		
6	6	0.04 CTRL	BLDALCO3	1	Ctrl Samp		
7	7	0.101 CTRL	BLDALCO3	1	Ctrl Samp		
8	8	0.197 CTRL	BLDALCO3	1	Ctrl Samp		
9	9	BLANK	BLDALCO3	1	Sample		
10	10	SIM 02008-1	BLDALCO3	1	Sample		
11	11	SIM 02008-2	BLDALCO3	1	Sample		
12	12	SIM 02008-3	BLDALCO3	1	Sample		
13	13	SIM 02008-4	BLDALCO3	1	Sample		
14	14	SIM 02008-5	BLDALCO3	1	Sample		
15	15	0.101 CTRL	BLDALCO3	1	Ctrl Samp		
16	16	BLANK	BLDALCO3	1	Sample		
17	17	SIM 02009-1	BLDALCO3	1	Sample		
18	18	SIM 02009-2	BLDALCO3	1	Sample		
19	19	SIM 02009-3	BLDALCO3	1	Sample		
20	20	SIM 02009-4	BLDALCO3	1	Sample		
21	21	SIM 02009-5	BLDALCO3	1	Sample		
22	22	0.101 CRL	BLDALCO3	1	Ctrl Samp		
23	23	BLANK	BLDALCO3	1	Sample		

Sequence Table (Back Injector):

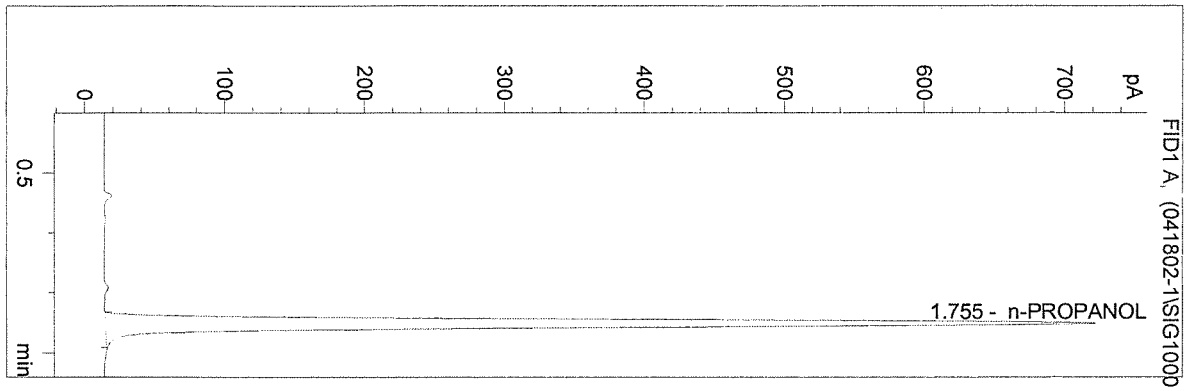
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 11:59:02 AM
Instrument 3
DB-ALC1

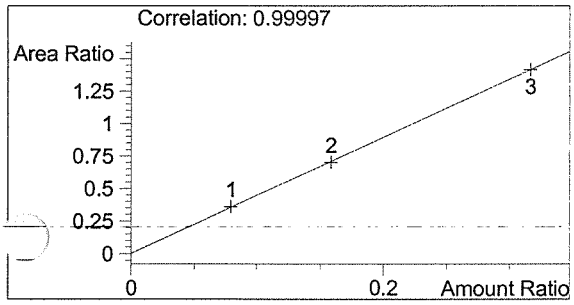
BLANK
ANN MARIE GORDON

vial # 1

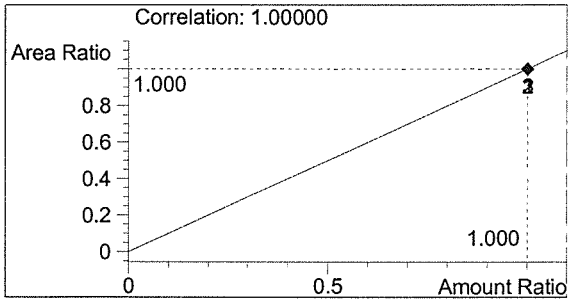


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3232	1.755

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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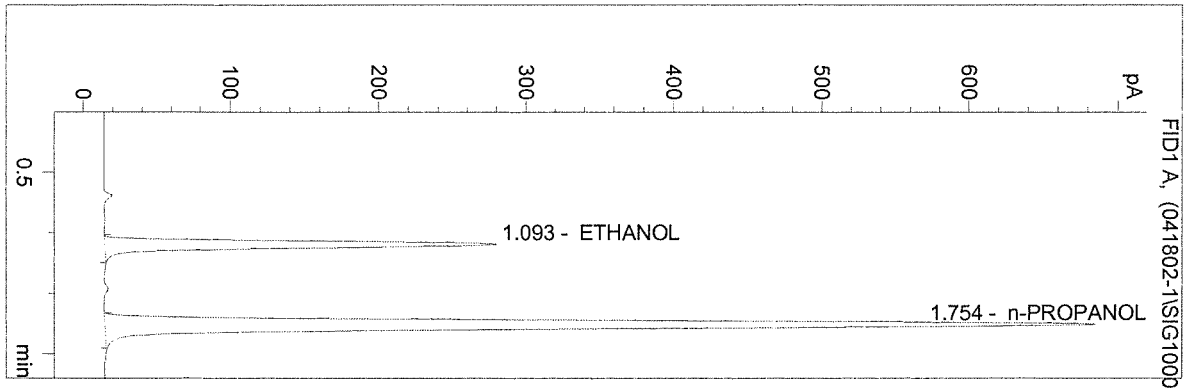
C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 12:02:26 PM
Instrument 3
DB-ALC1

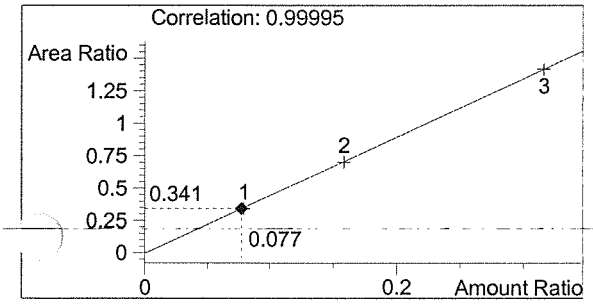
0.079 CALIBRATOR
ANN MARIE GORDON

vial # 2

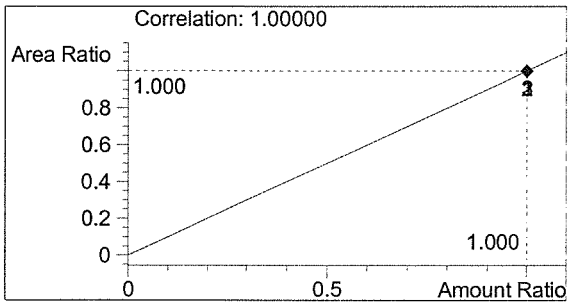


#	Compound	Area	RT
1	ETHANOL	1045	1.093
2	n-PROPANOL	3066	1.754

Totals:



ETHANOL 0.077 mg/L

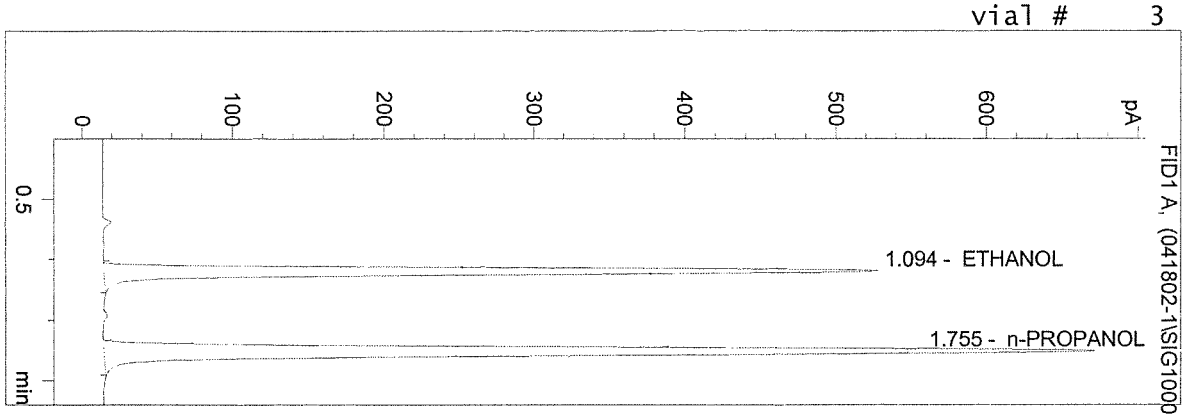


n-PROPANOL 1.000 mg/L

C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 12:05:35 PM
Instrument 3
DB-ALC1

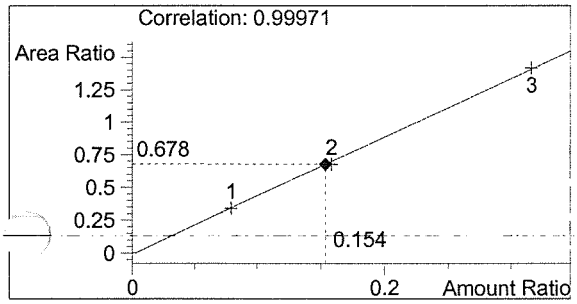
0.158 CALIBRATOR
ANN MARIE GORDON

vial # 3

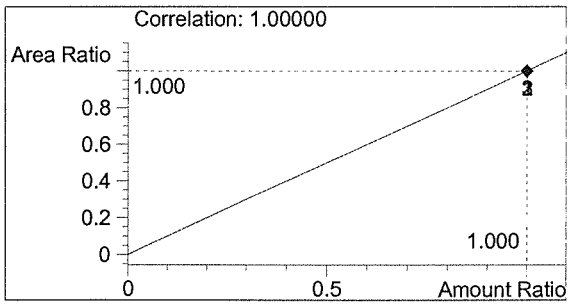


#	Compound	Area	RT
1	ETHANOL	2037	1.094
2	n-PROPANOL	3005	1.755

Totals:



ETHANOL 0.154 mg/L



n-PROPANOL 1.000 mg/L

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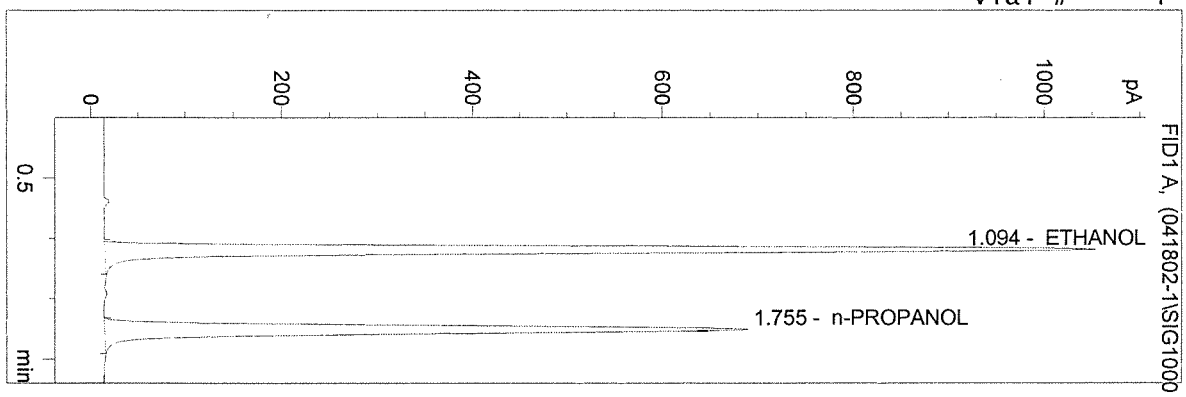
C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 12:08:45 PM
Instrument 3
DB-ALC1

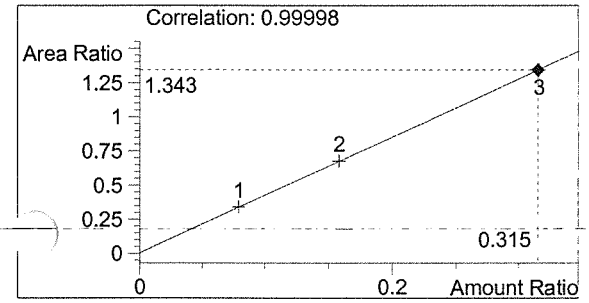
0.316 CALIBRATOR
ANN MARIE GORDON

vial # 4

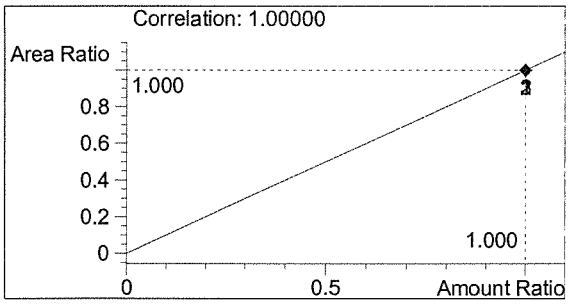


#	Compound	Area	RT
1	ETHANOL	4154	1.094
2	n-PROPANOL	3093	1.755

Totals:



ETHANOL 0.315 mg/L



n-PROPANOL 1.000 mg/L

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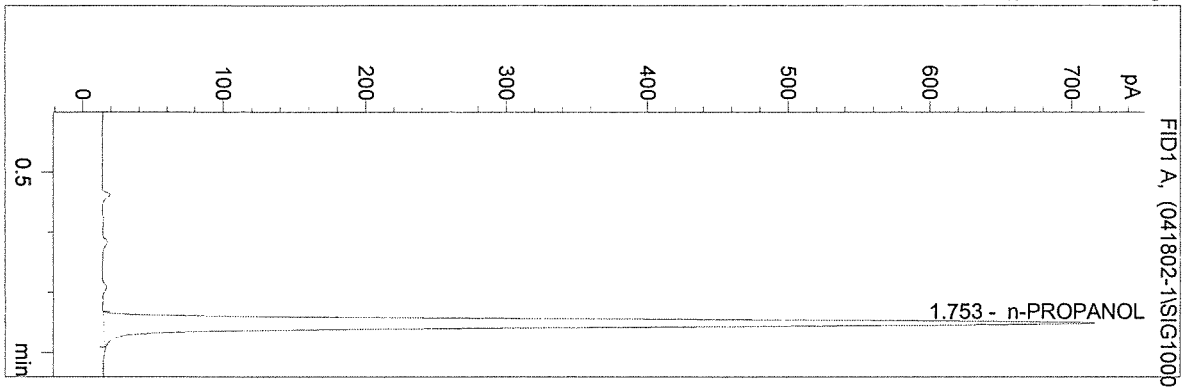
C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 12:12:11 PM
Instrument 3
DB-ALC1

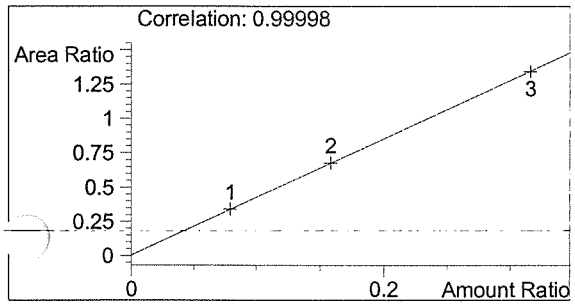
Blank
ANN MARIE GORDON

vial # 5

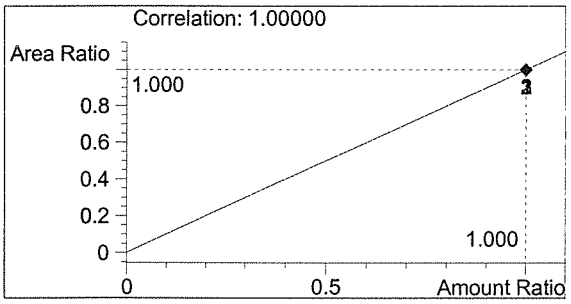


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3200	1.753

Totals:



ETHANOL 0.000 mg/L



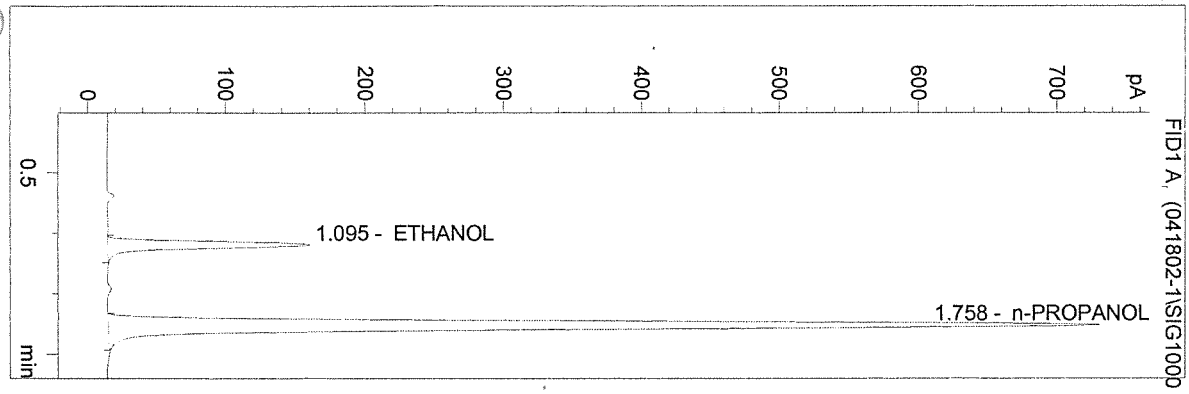
n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 12:15:20 PM
Instrument 3
DB-ALC1

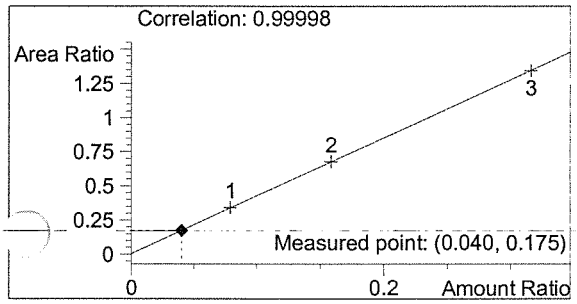
0.04 CTRL
ANN MARIE GORDON

vial # 6

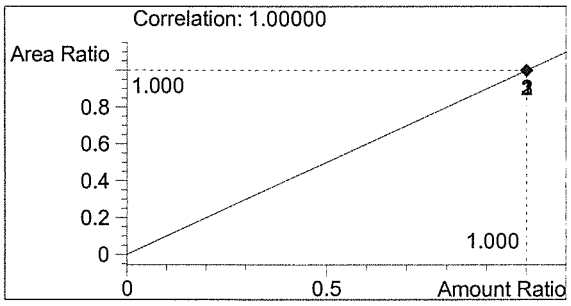


#	Compound	Area	RT
1	ETHANOL	570	1.095
2	n-PROPANOL	3258	1.758

Totals:



ETHANOL 0.040 mg/L



n-PROPANOL 1.000 mg/L

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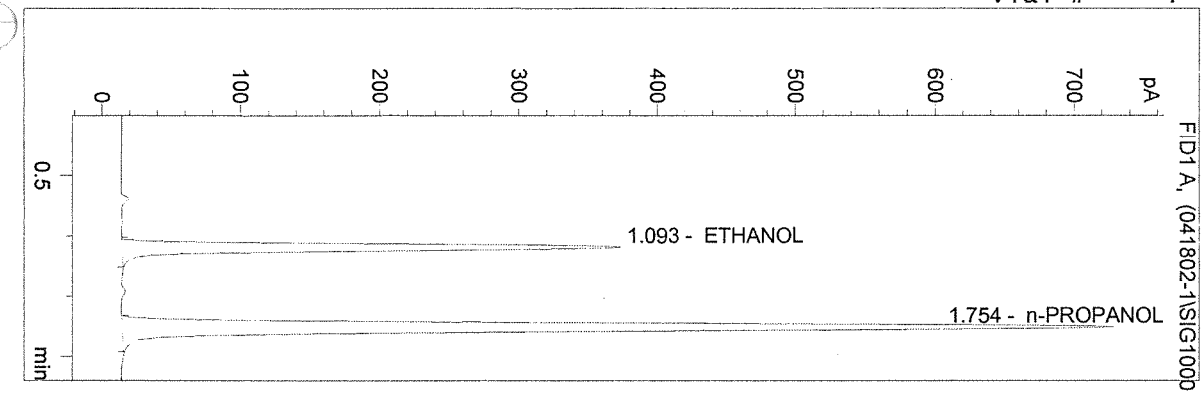
C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 12:18:30 PM
Instrument 3
DB-ALC1

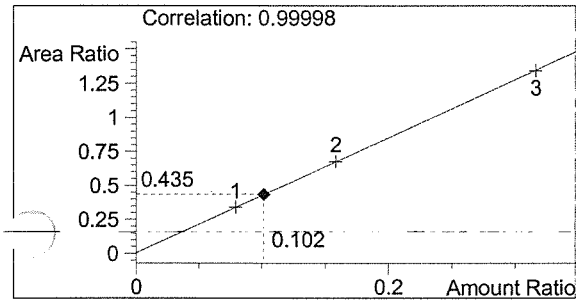
0.101 CTRL
ANN MARIE GORDON

vial # 7

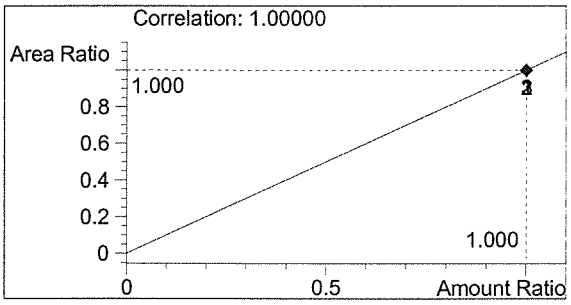


#	Compound	Area	RT
1	ETHANOL	1412	1.093
2	n-PROPANOL	3245	1.754

Totals:



ETHANOL 0.102 mg/L

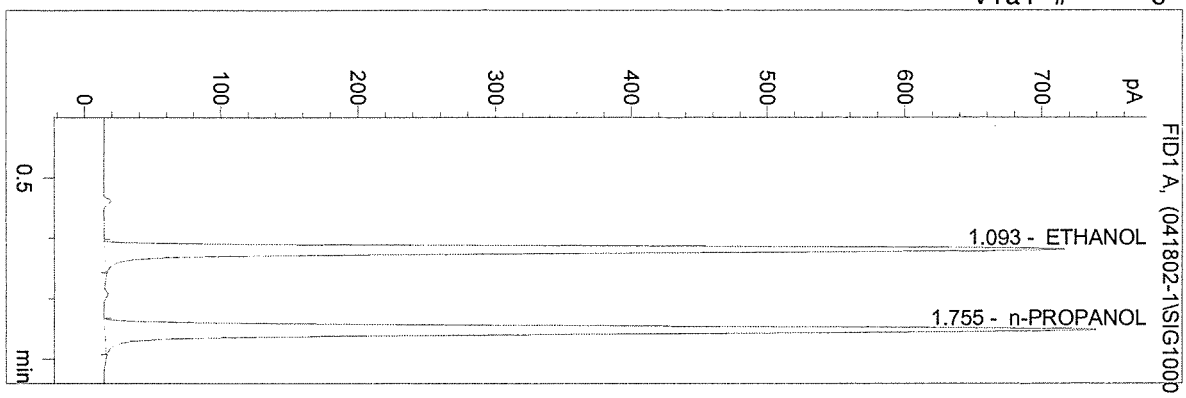


n-PROPANOL 1.000 mg/L

C:\HPCHEM\1\METHODS\BLDALCO3.M
4/19/02 12:21:40 PM
Instrument 3
DB-ALC1

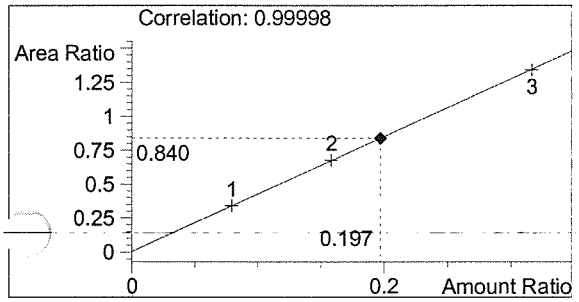
0.197 CTRL
ANN MARIE GORDON

vial # 8

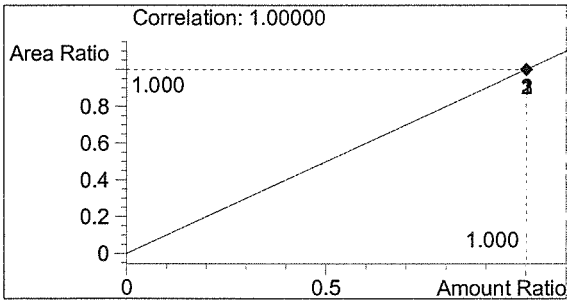


#	Compound	Area	RT
1	ETHANOL	2781	1.093
2	n-PROPANOL	3309	1.755

Totals:



ETHANOL 0.197 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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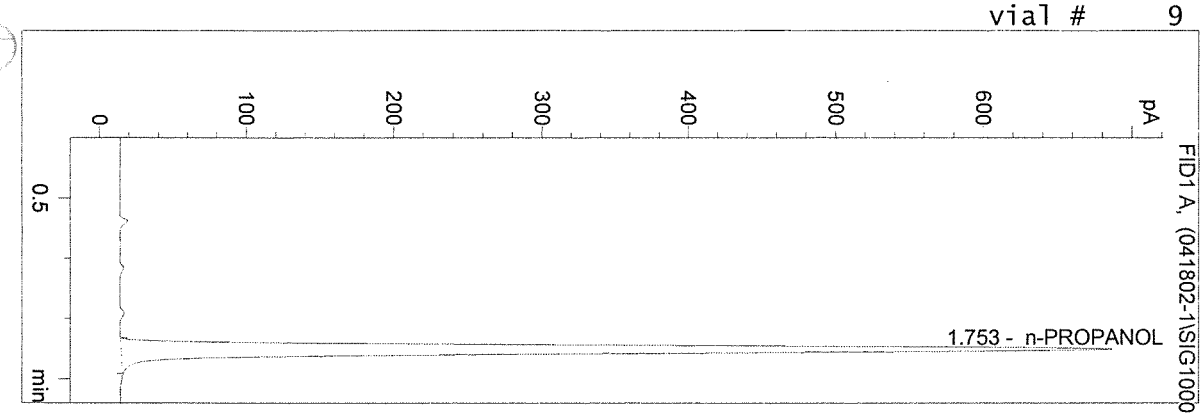
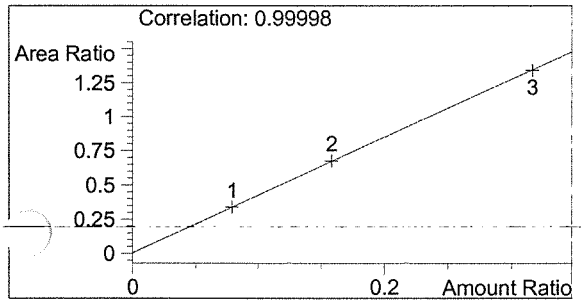
ANN MARIE GORDON

vial # 9

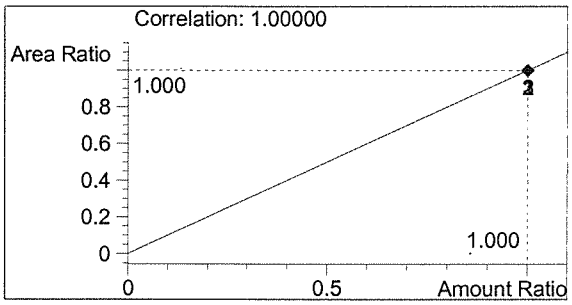


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3089	1.753

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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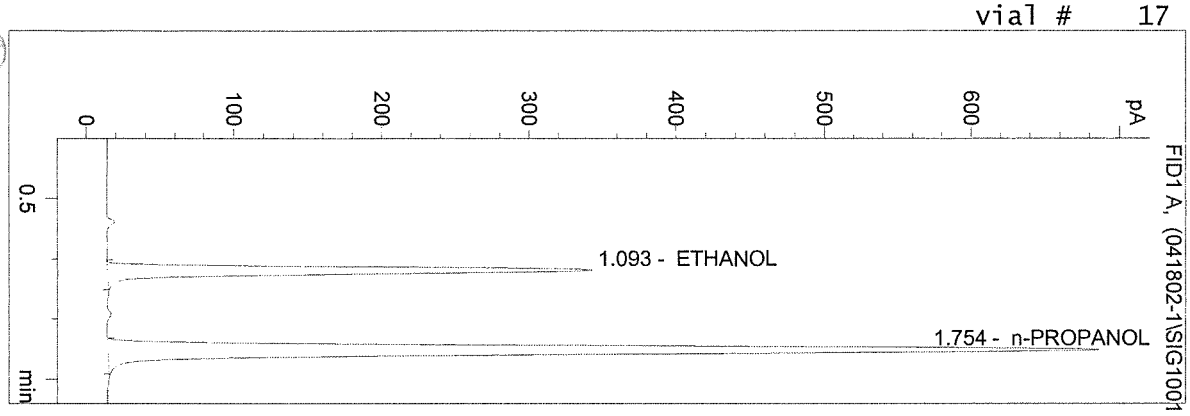
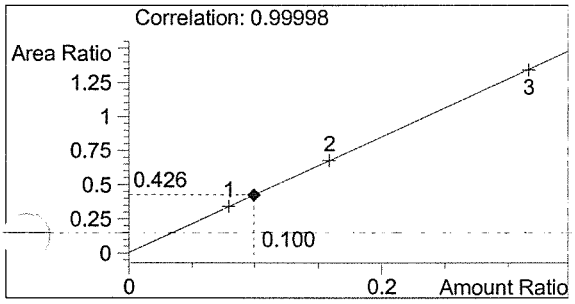
SIM 02009-1
ANN MARIE GORDON

vial # 17

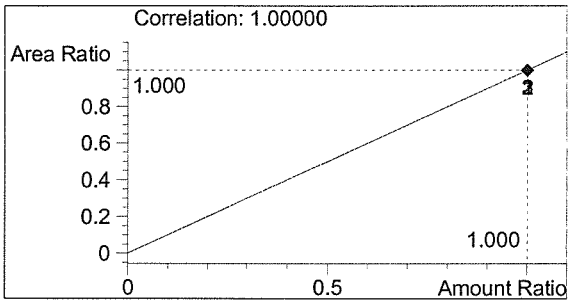


#	Compound	Area	RT
1	ETHANOL	1325	1.093
2	n-PROPANOL	3107	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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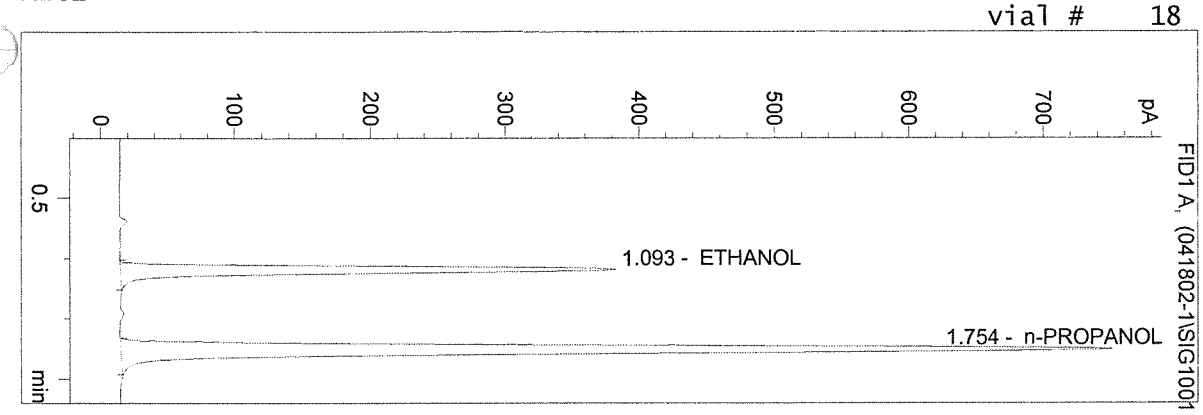
Instrument 3
DB-ALC1

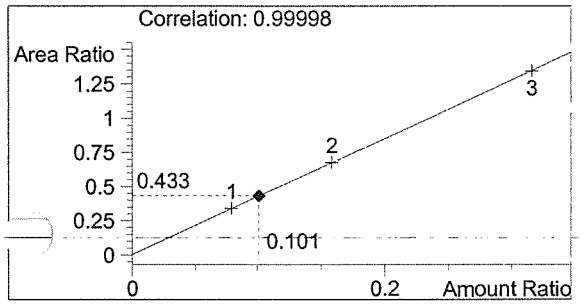
SIM 02009-2
ANN MARIE GORDON

vial # 18

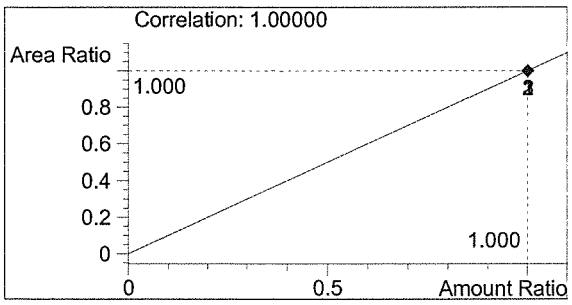


#	Compound	Area	RT
1	ETHANOL	1448	1.093
2	n-PROPANOL	3344	1.754

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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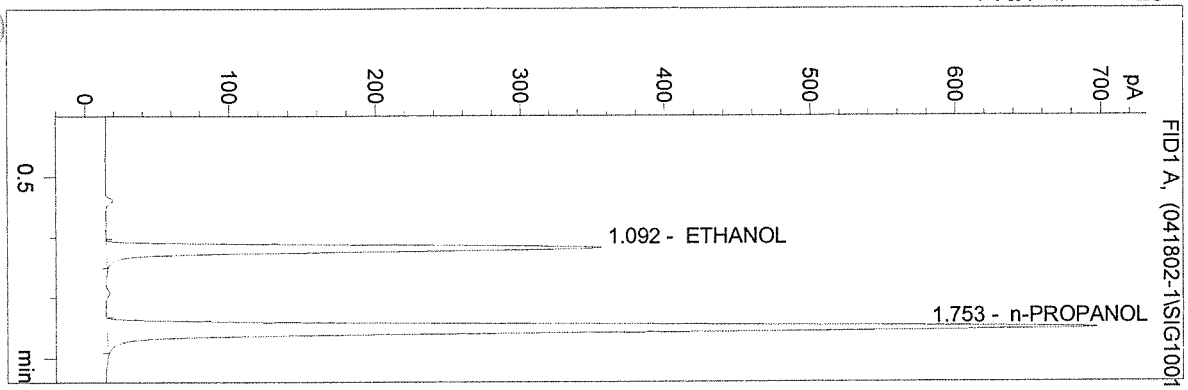
Instrument 3
DB-ALC1

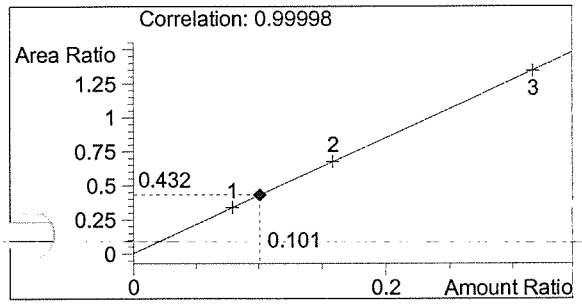
SIM 02009-3
ANN MARIE GORDON

vial # 19

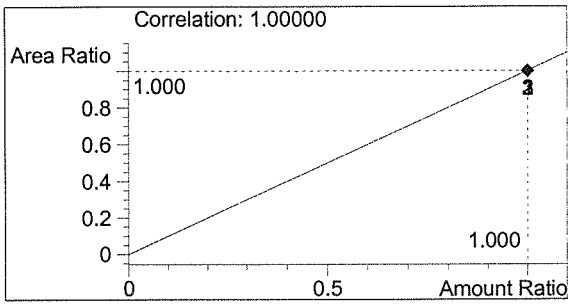


#	Compound	Area	RT
1	ETHANOL	1344	1.092
2	n-PROPANOL	3107	1.753

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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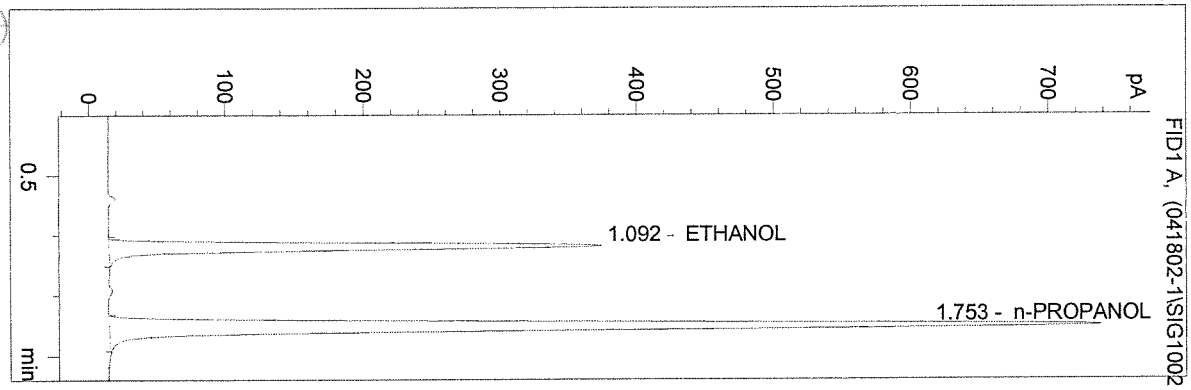
Instrument 3
DB-ALC1

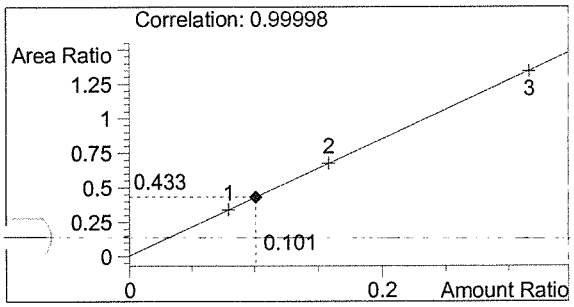
SIM 02009-4
ANN MARIE GORDON

vial # 20

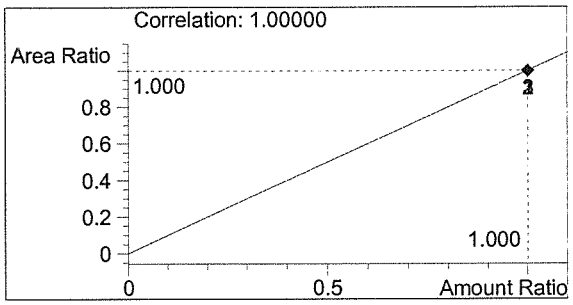


#	Compound	Area	RT
1	ETHANOL	1443	1.092
2	n-PROPANOL	3336	1.753

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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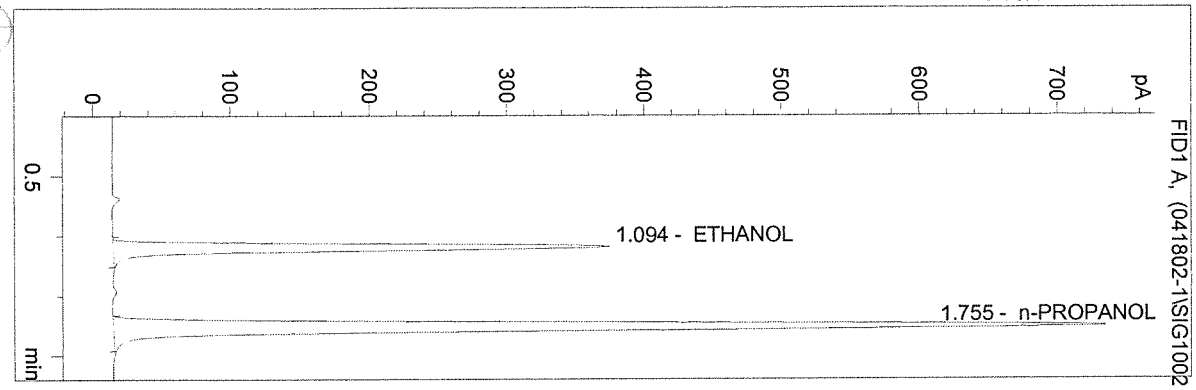
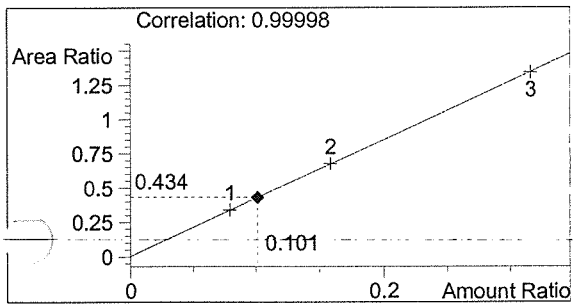
SIM 02009-5
ANN MARIE GORDON

vial # 21

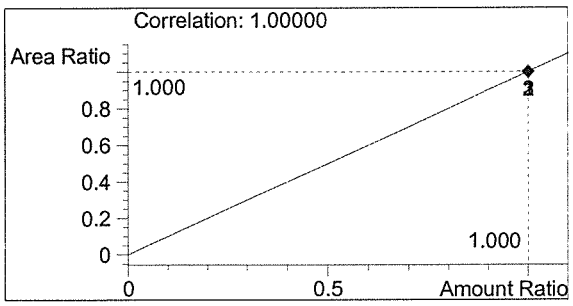


#	Compound	Area	RT
1	ETHANOL	1426	1.094
2	n-PROPANOL	3287	1.755

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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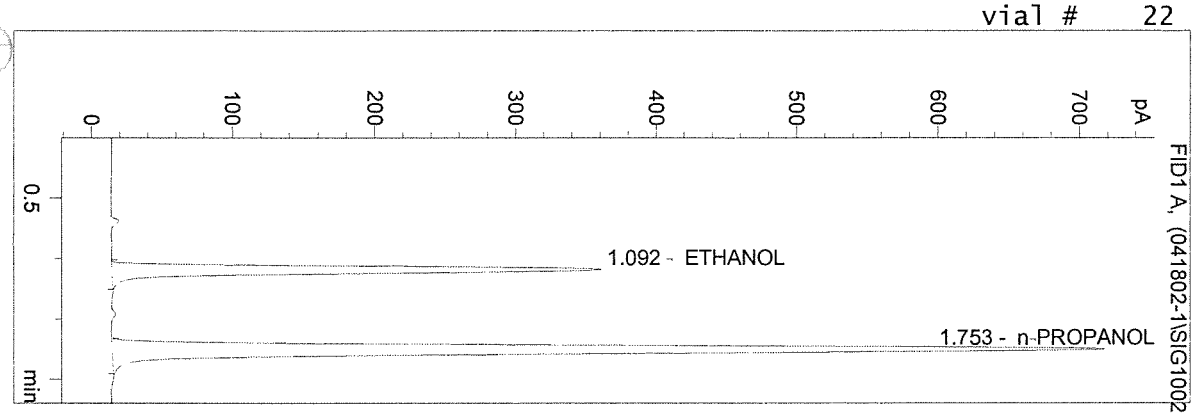
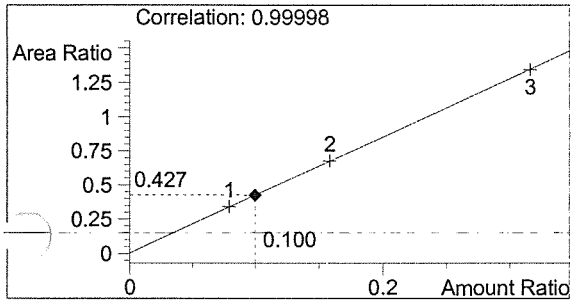
0.101 CRL
ANN MARIE GORDON

vial # 22

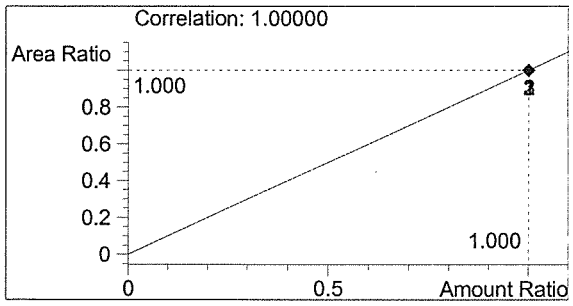


#	Compound	Area	RT
1	ETHANOL	1372	1.092
2	n-PROPANOL	3211	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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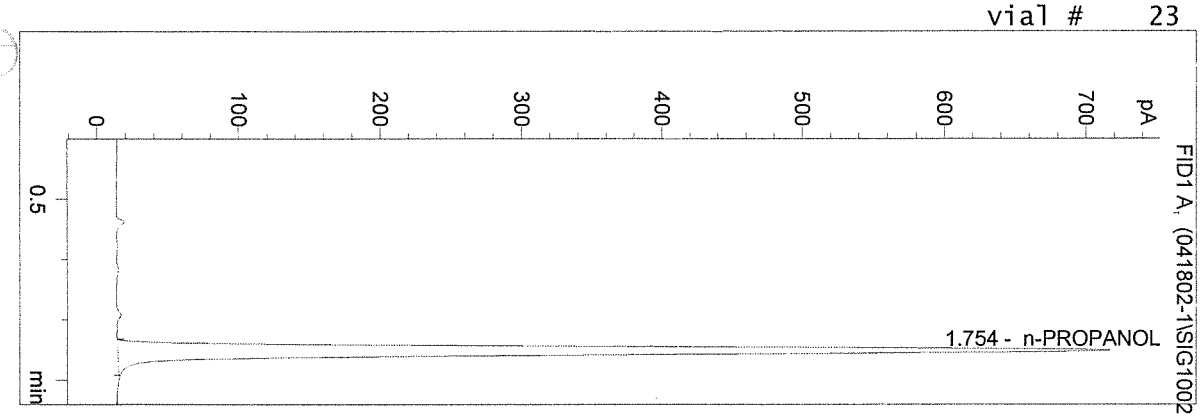
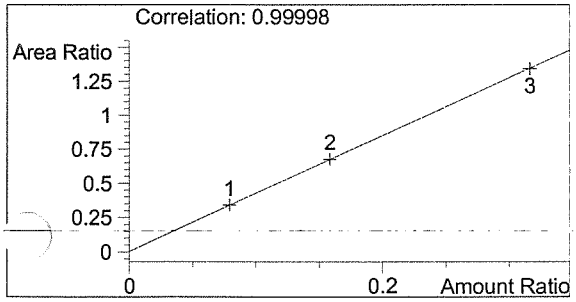
ANN MARIE GORDON

vial # 23

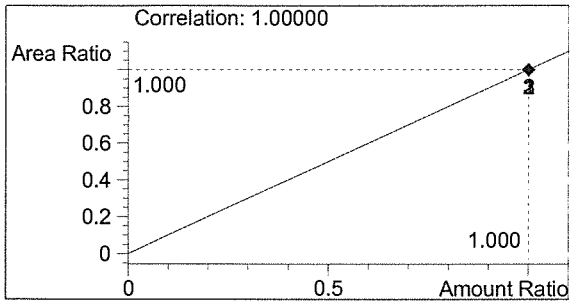


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3202	1.754

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

Calibrators + controls in 022243

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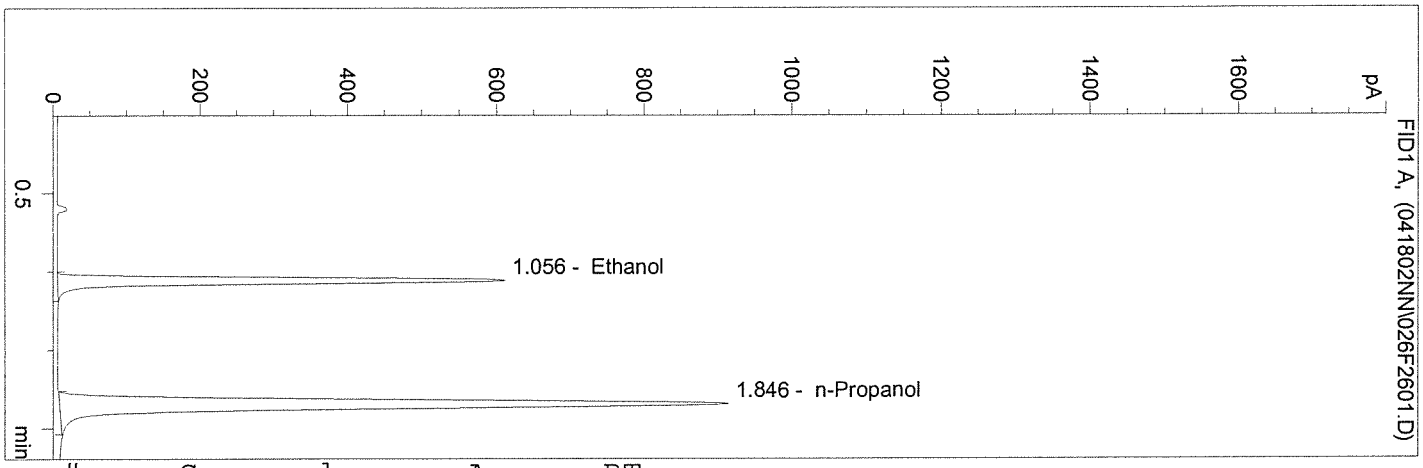
Instrument 2
DB-ALC1

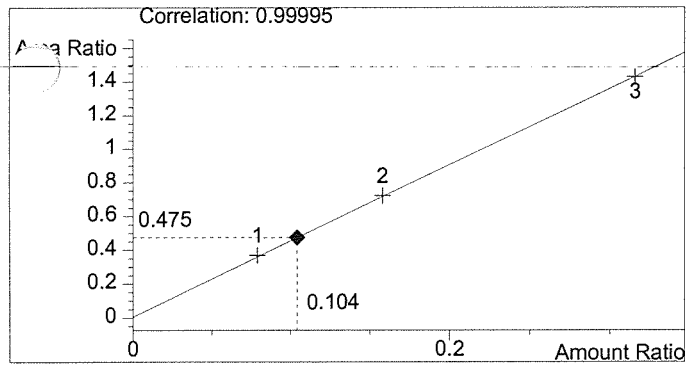
02009 SIM
N Nuwayhid, PhD

vial # 26

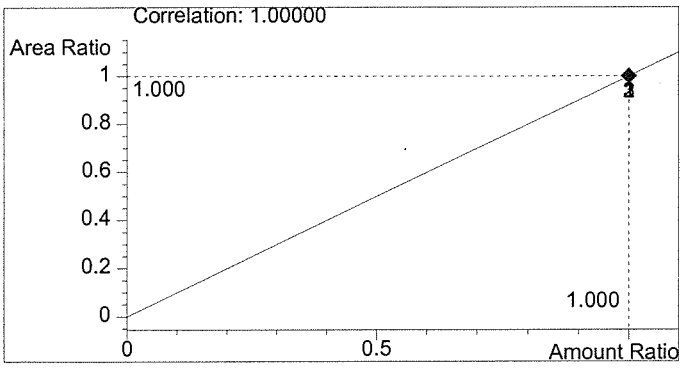


#	Compound	Area	RT
1	Ethanol	1679	1.056
2	n-Propanol	3534	1.846

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
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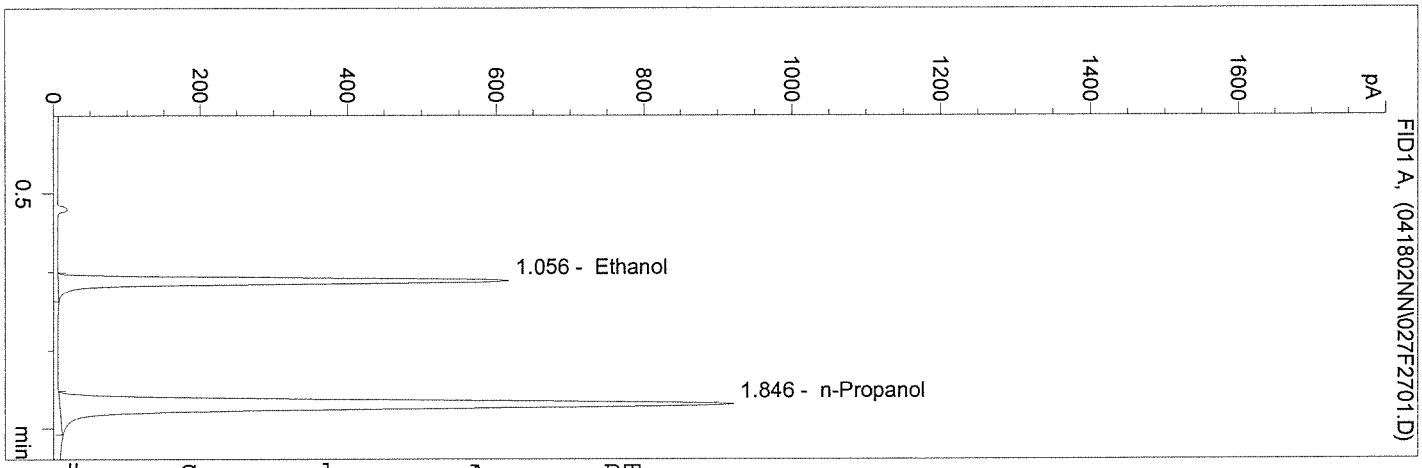
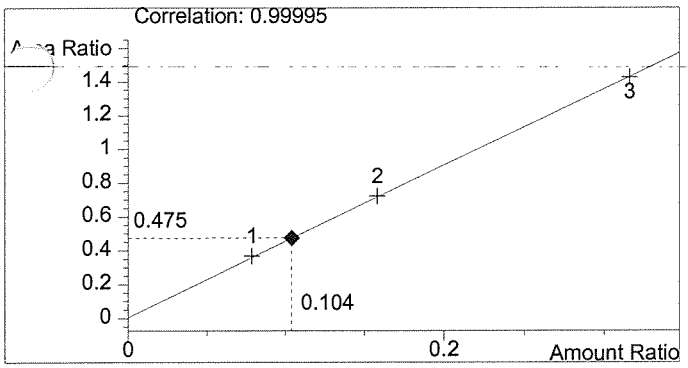
02009 SIM
N Nuwayhid, PhD

vial # 27

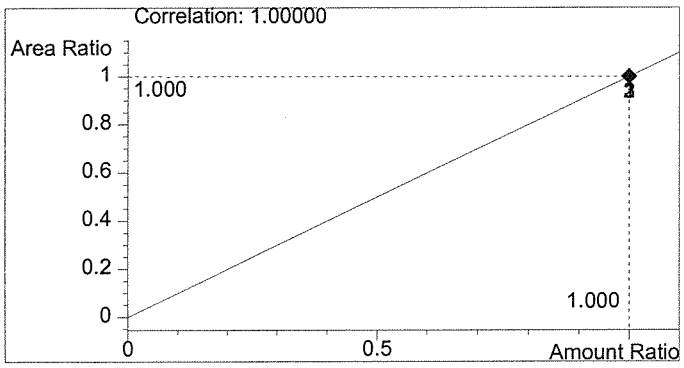


#	Compound	Area	RT
1	Ethanol	1696	1.056
2	n-Propanol	3568	1.846

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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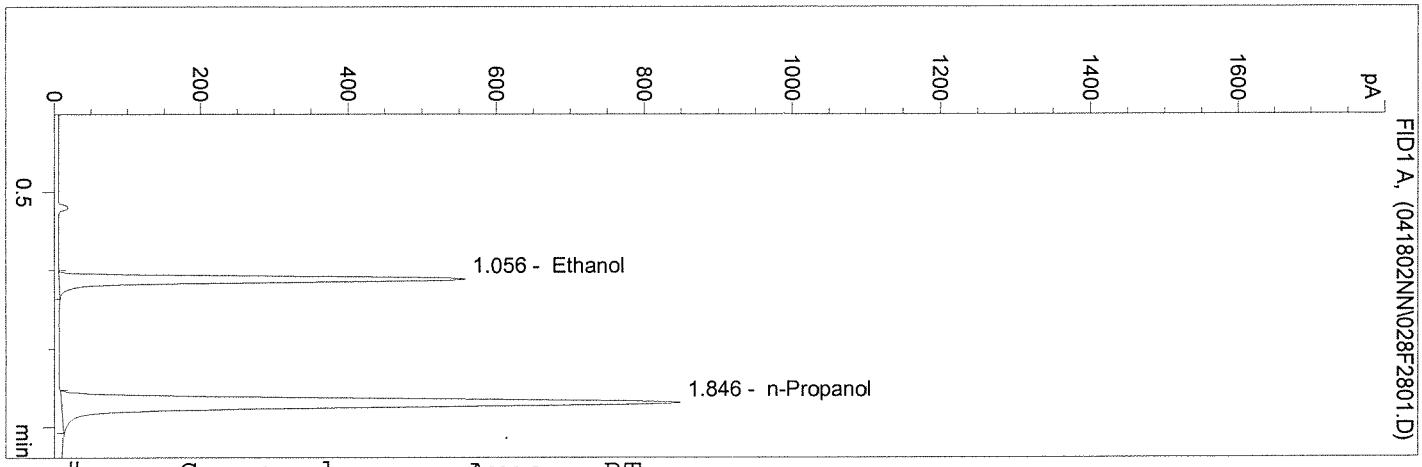
Instrument 2
DP-ALC1

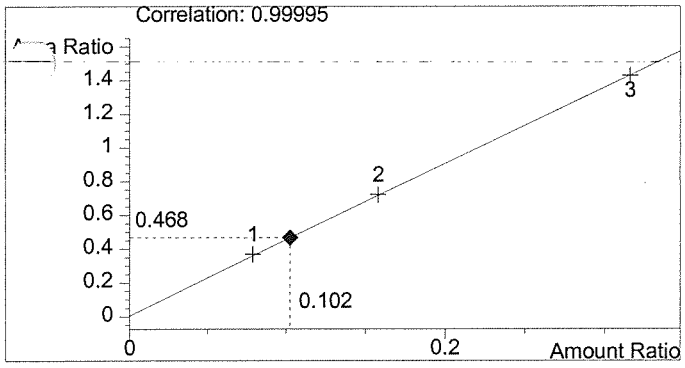
02009 SIM
N Nuwayhid, PhD

vial # 28

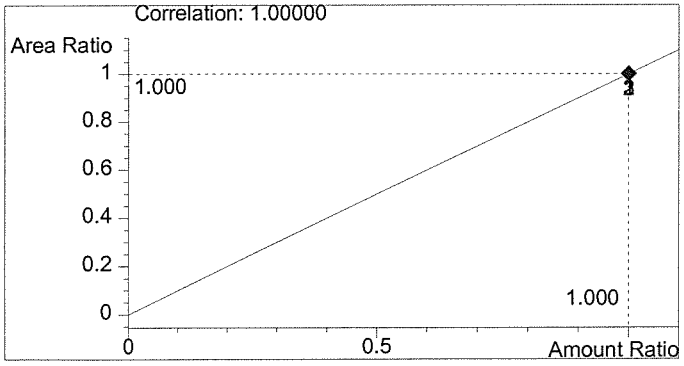


#	Compound	Area	RT
1	Ethanol	1539	1.056
2	n-Propanol	3290	1.846

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
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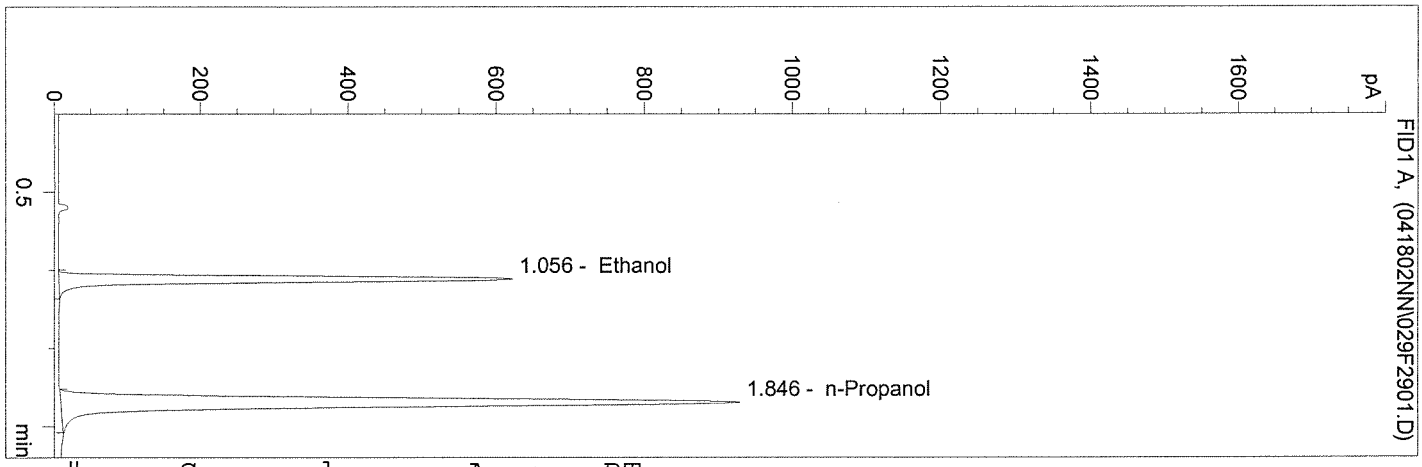
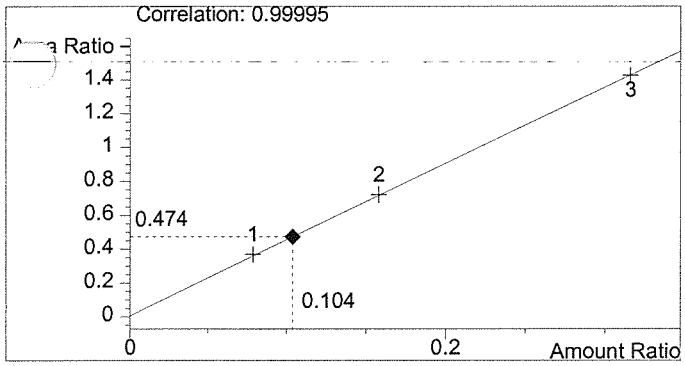
02009 SIM
N Nuwayhid, PhD

vial # 29

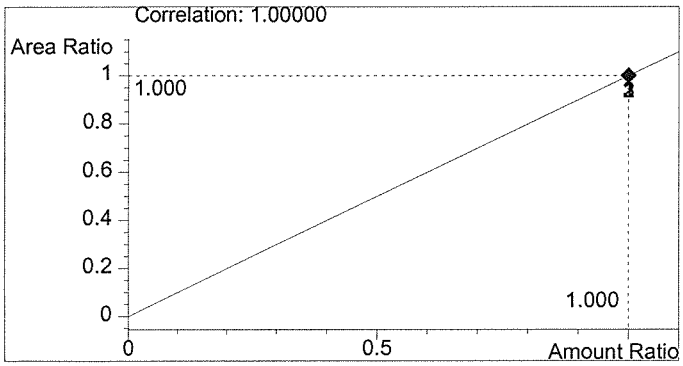


#	Compound	Area	RT
1	Ethanol	1703	1.056
2	n-Propanol	3591	1.846

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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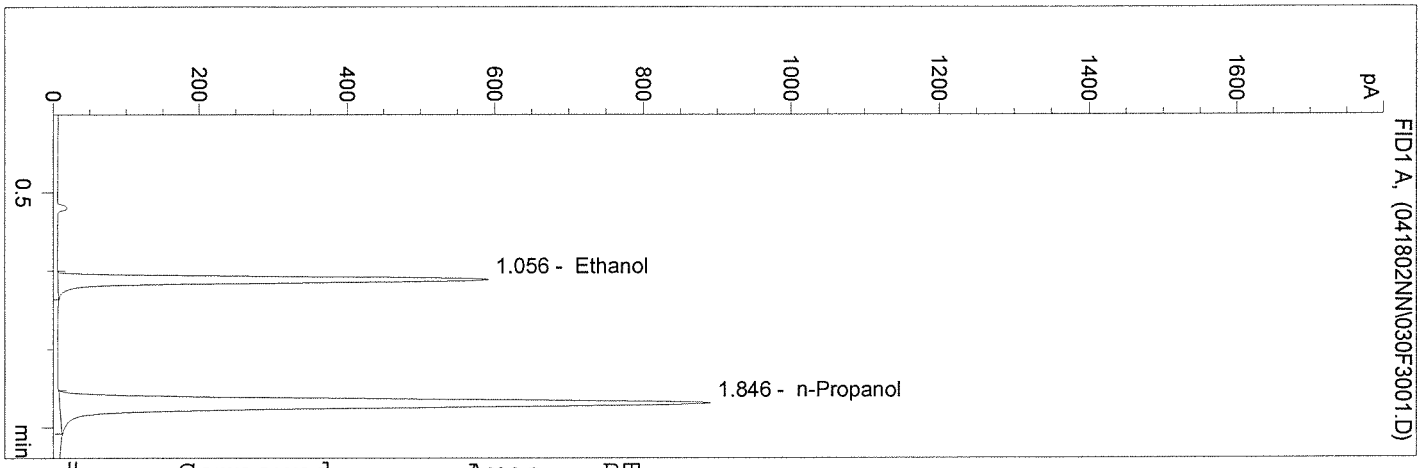
Instrument 2
DP-ALC1

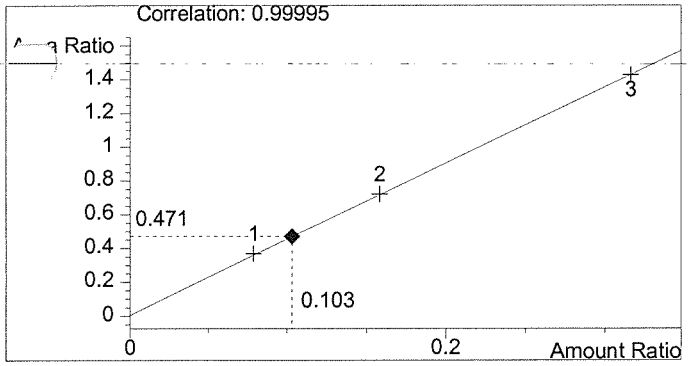
02009 SIM
N Nuwayhid, PhD

vial # 30

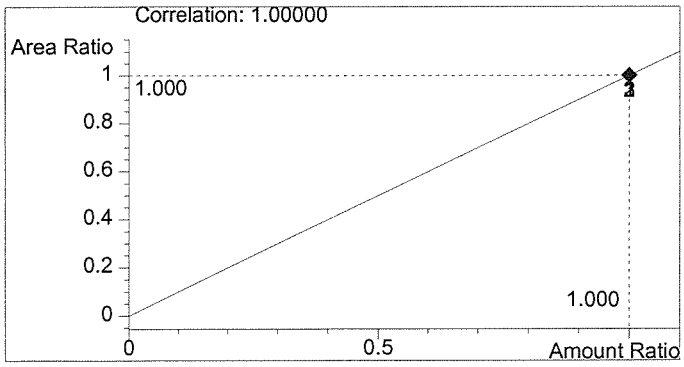


#	Compound	Area	RT
1	Ethanol	1627	1.056
2	n-Propanol	3451	1.846

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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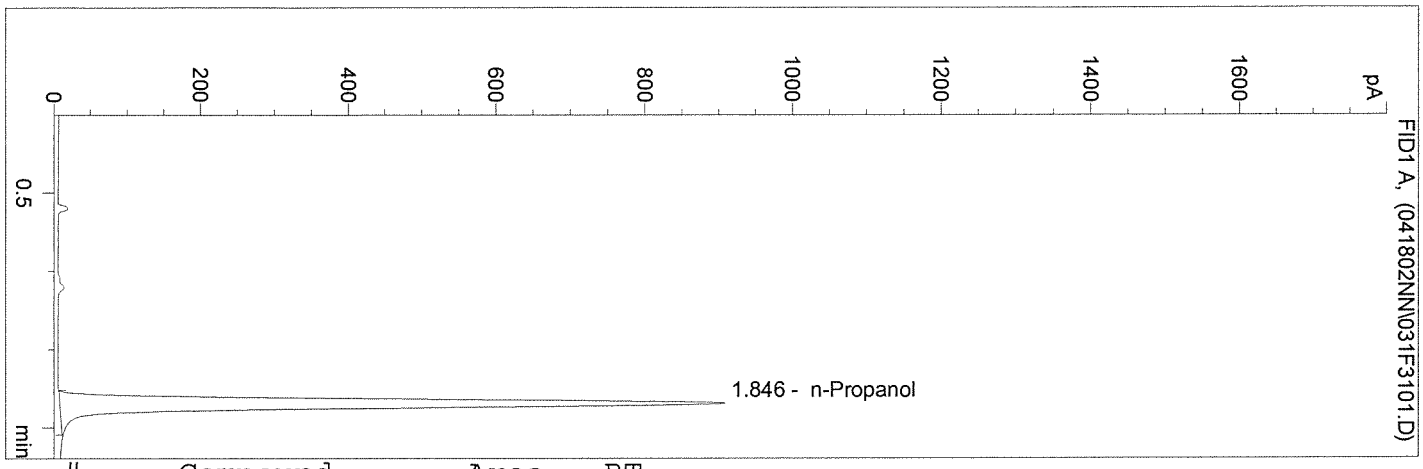
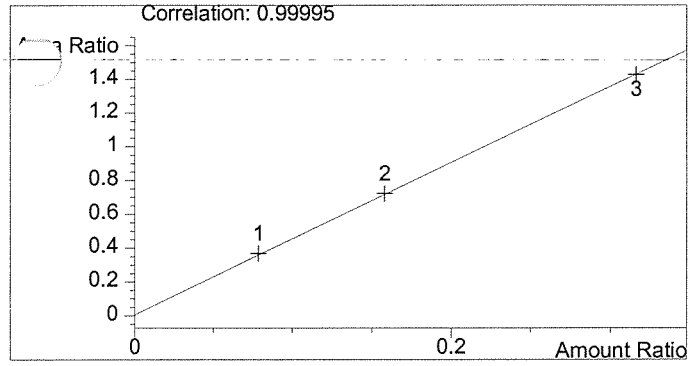
N Nuwayhid, PhD

vial # 31

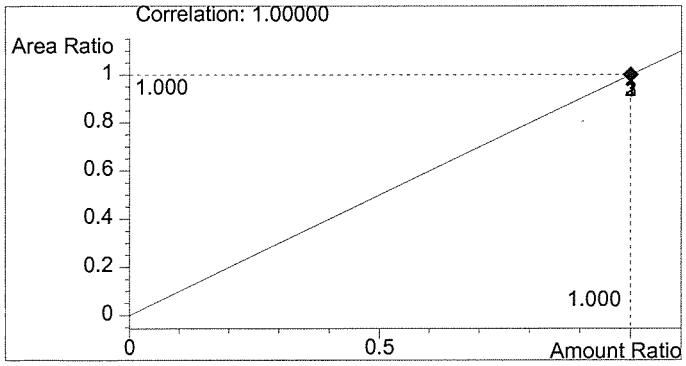


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3524	1.846

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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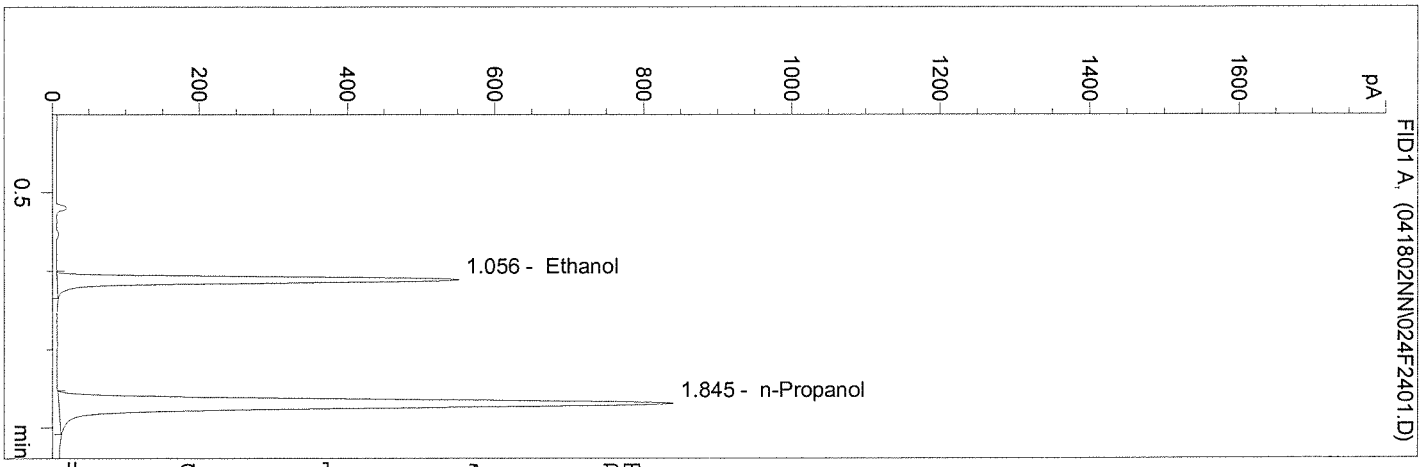
Instrument 2
DB-ALC1

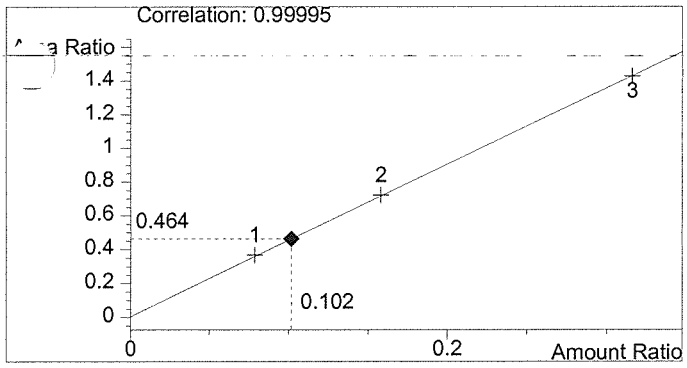
0.101 CAP
N Nuwayhid, PhD

vial # 24

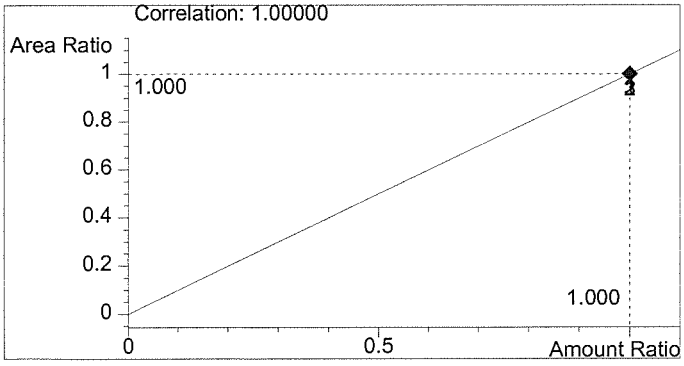


#	Compound	Area	RT
1	Ethanol	1506	1.056
2	n-Propanol	3245	1.845

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
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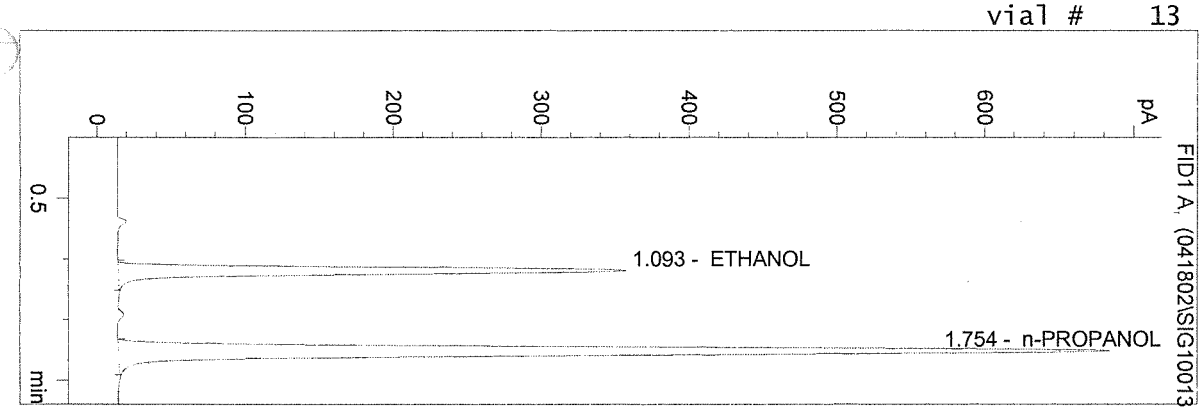
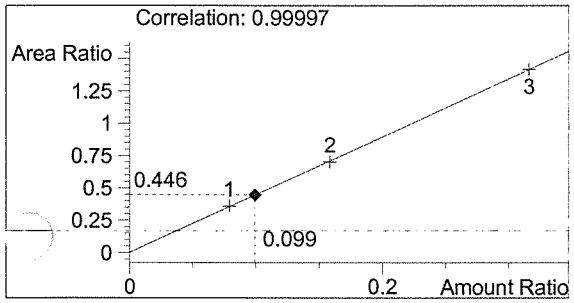
02009
ED FORMOSO

vial # 13

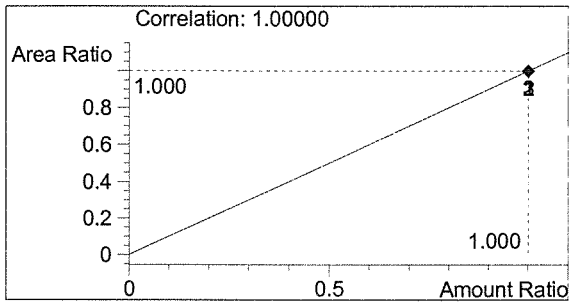


#	Compound	Area	RT
1	ETHANOL	1373	1.093
2	n-PROPANOL	3076	1.754

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
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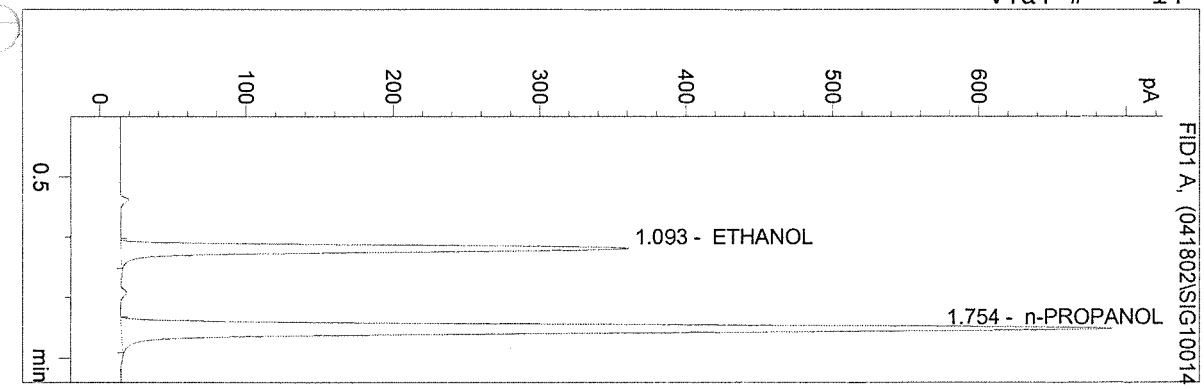
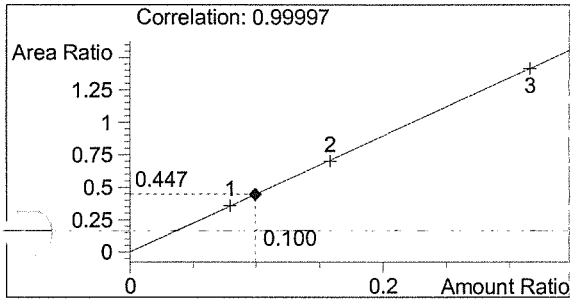
ED FORMOSO

vial # 14

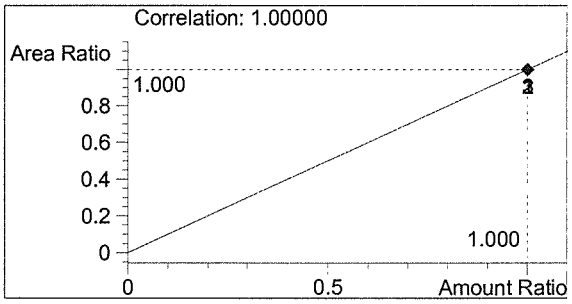


#	Compound	Area	RT
1	ETHANOL	1384	1.093
2	n-PROPANOL	3099	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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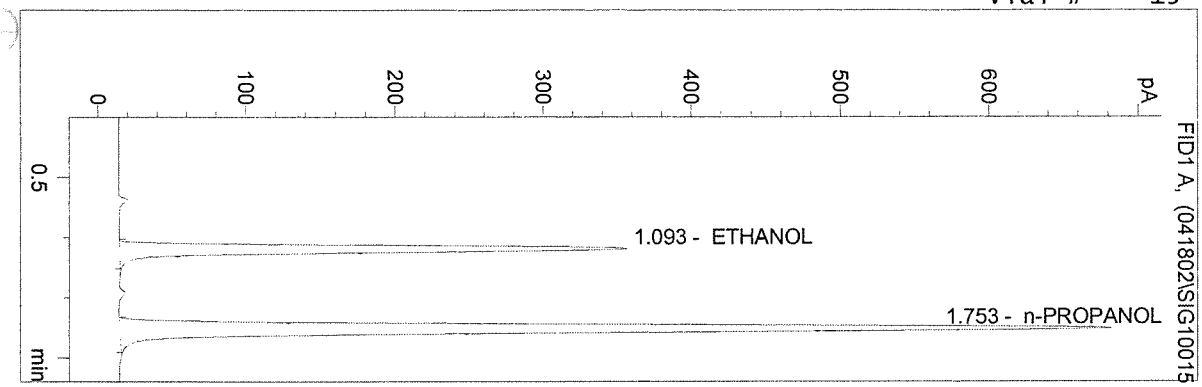
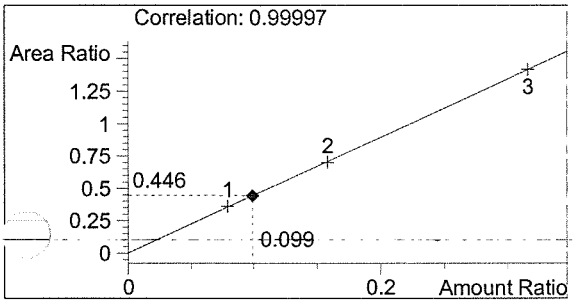
vial # 15

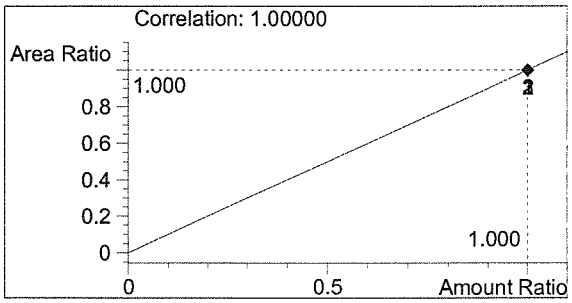


#	Compound	Area	RT
1	ETHANOL	1356	1.093
2	n-PROPANOL	3043	1.753

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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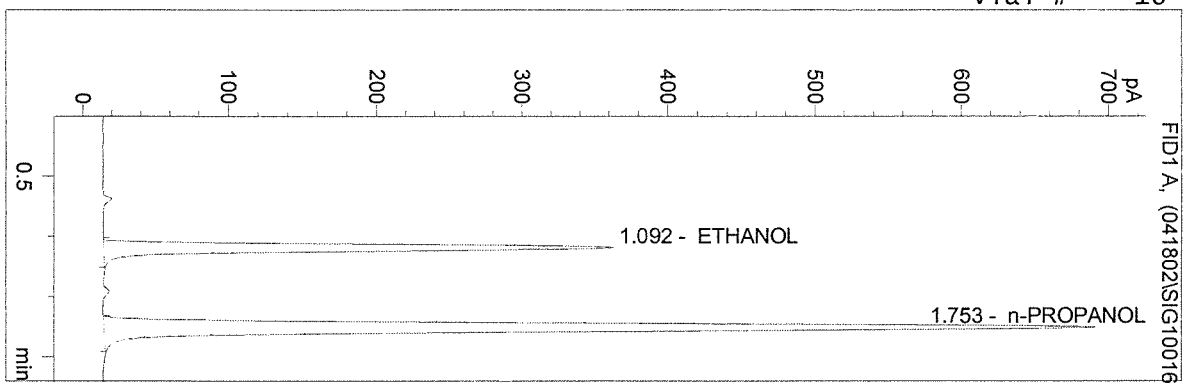
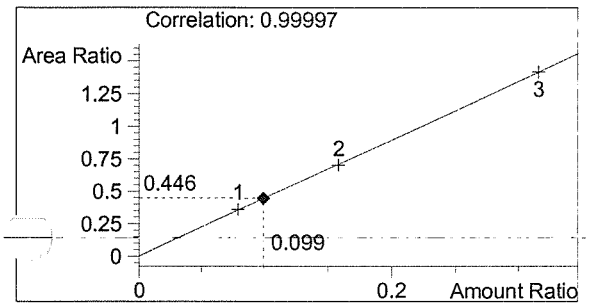
vial # 16

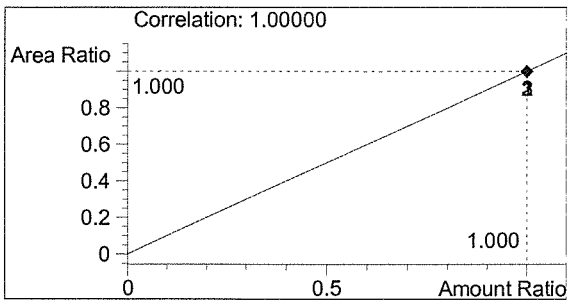


#	Compound	Area	RT
1	ETHANOL	1377	1.092
2	n-PROPANOL	3086	1.753

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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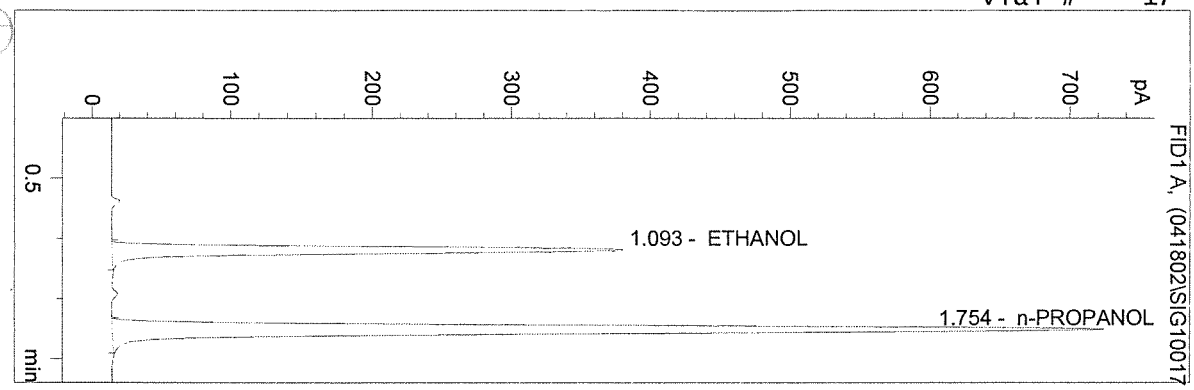
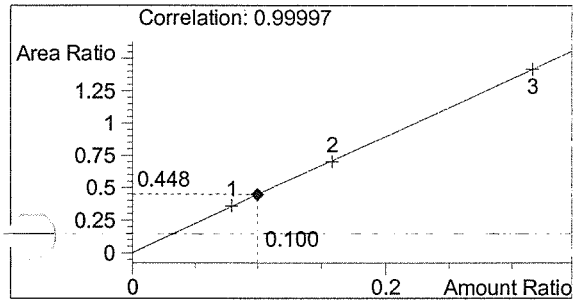
vial # 17

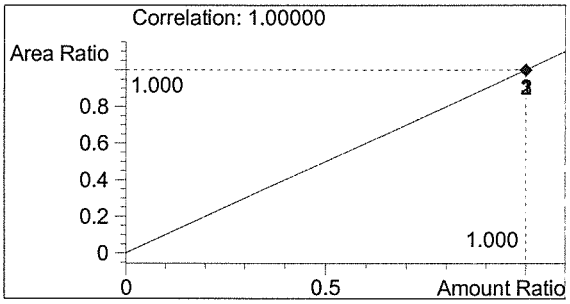


#	Compound	Area	RT
1	ETHANOL	1453	1.093
2	n-PROPANOL	3242	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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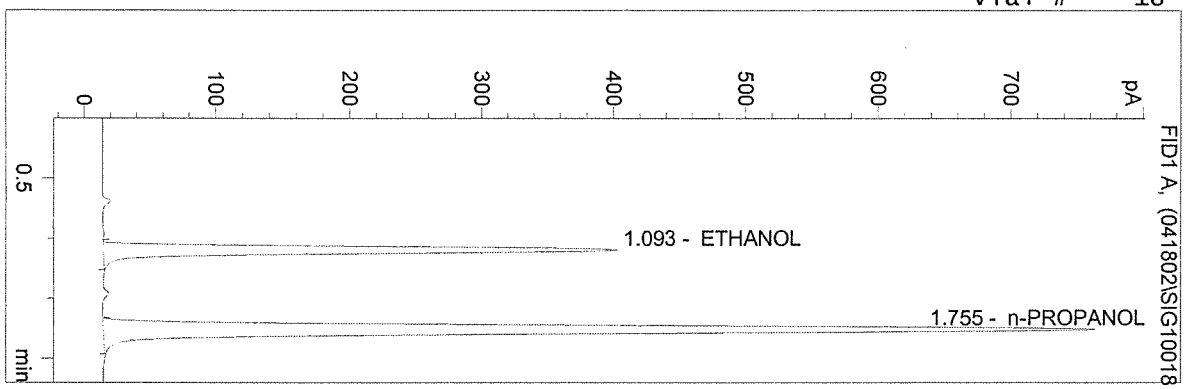
Instrument 3
DB-ALC1

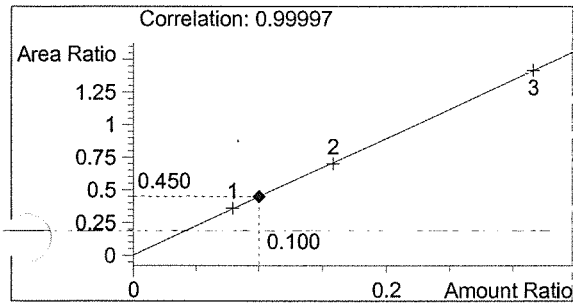
0.101 CAP
ED FORMOSO

vial # 18

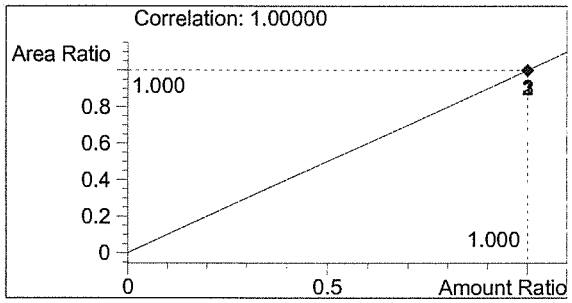


#	Compound	Area	RT
1	ETHANOL	1546	1.093
2	n-PROPANOL	3437	1.755

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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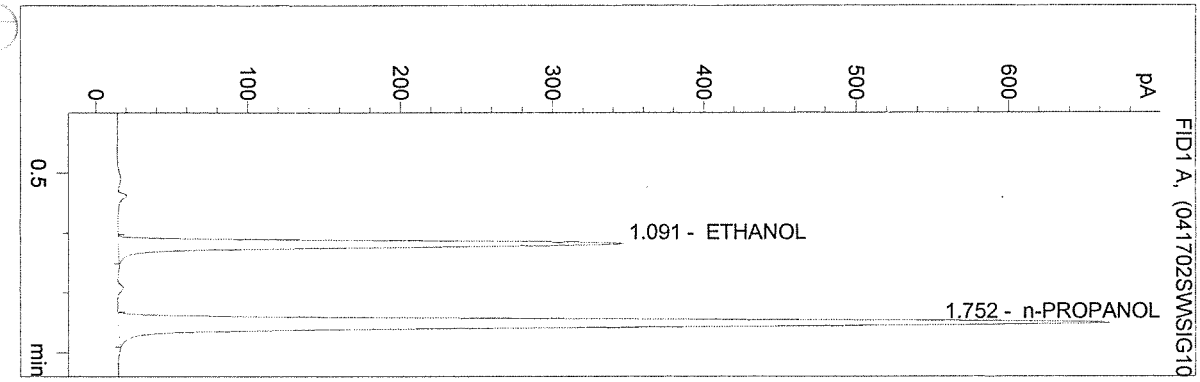
EGLE WEISS

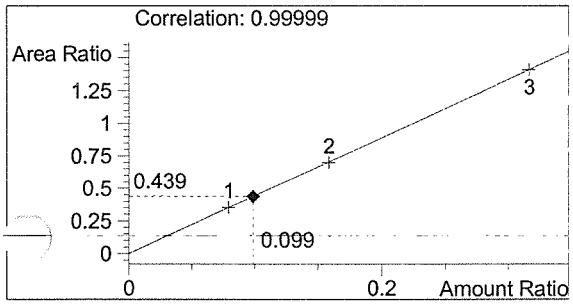
Calc in GS 2008

vial # 8

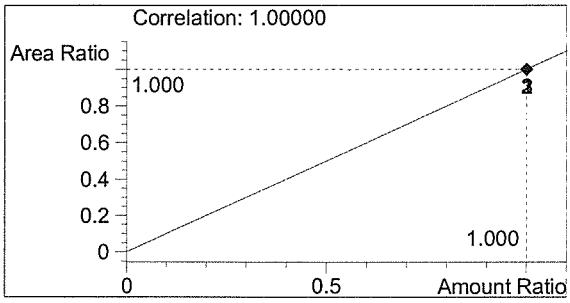


#	Compound	Area	RT
1	ETHANOL	1302	1.091
2	n-PROPANOL	2967	1.752

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
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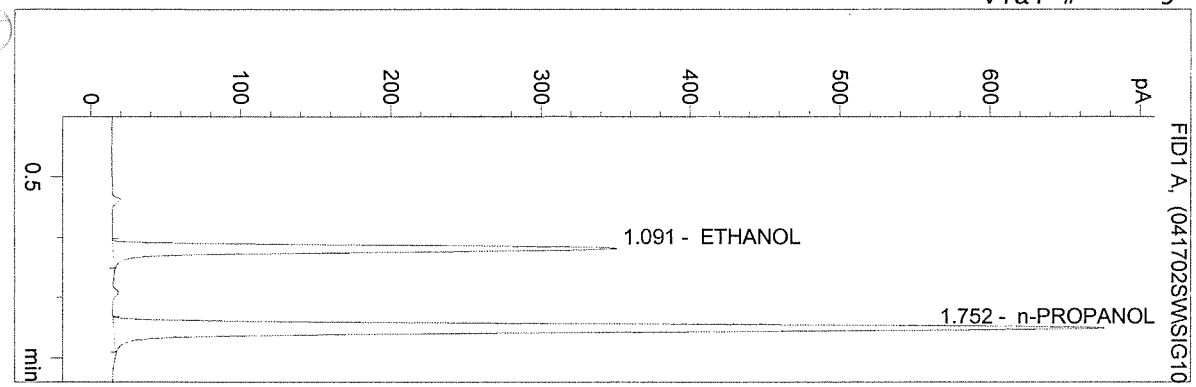
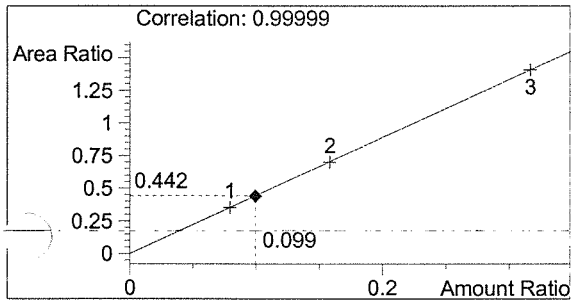
EGLE WEISS

vial # 9

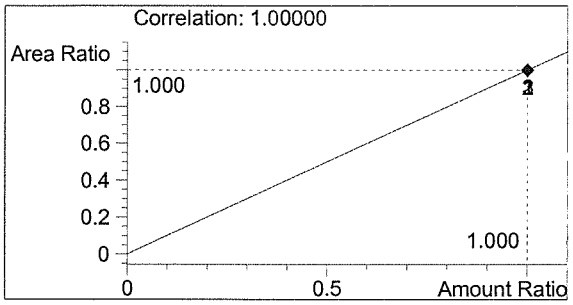


#	Compound	Area	RT
1	ETHANOL	1330	1.091
2	n-PROPANOL	3010	1.752

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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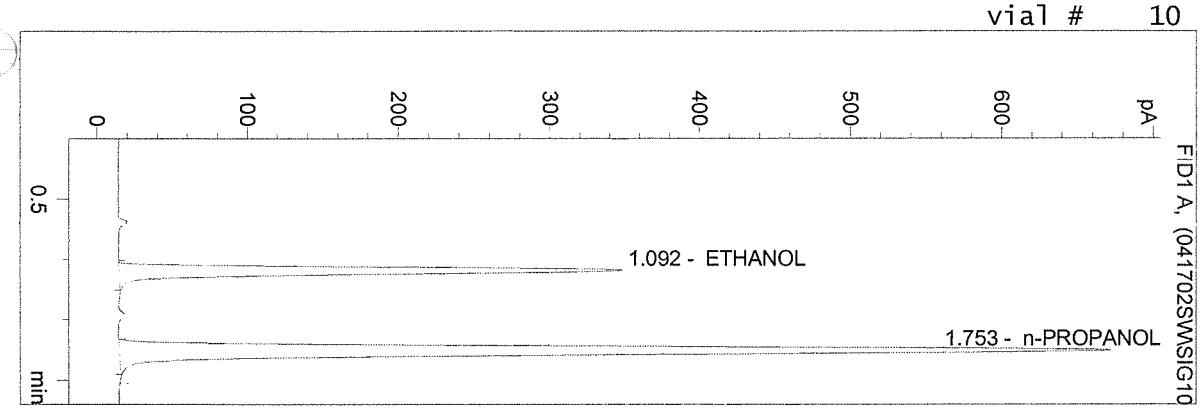
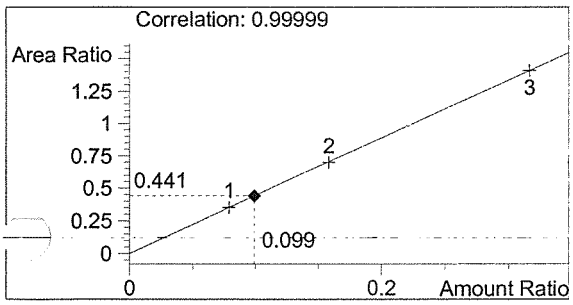
EGLE WEISS

vial # 10

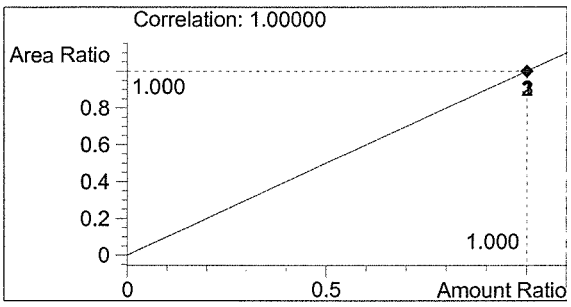


#	Compound	Area	RT
1	ETHANOL	1336	1.092
2	n-PROPANOL	3026	1.753

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
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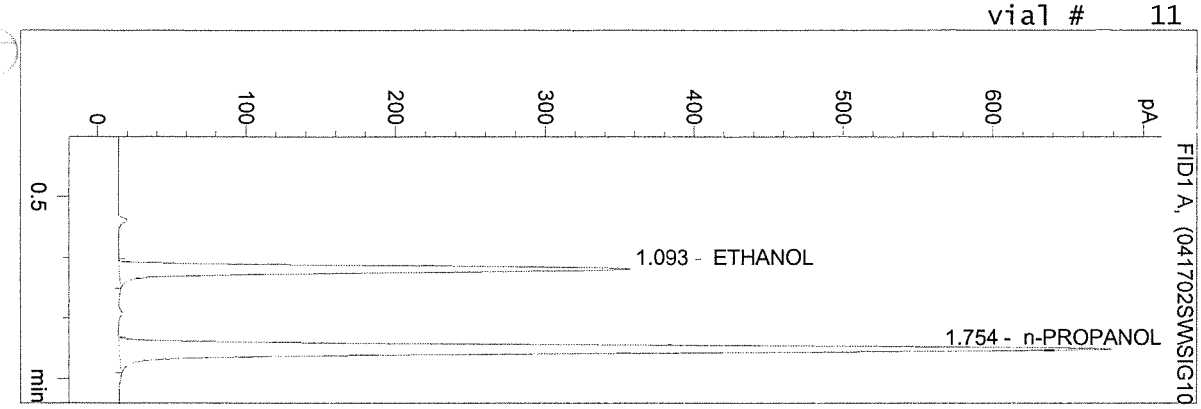
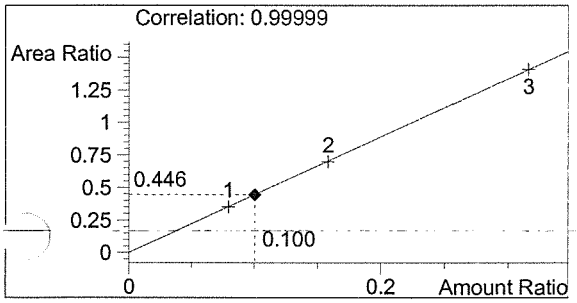
EGLE WEISS

vial # 11

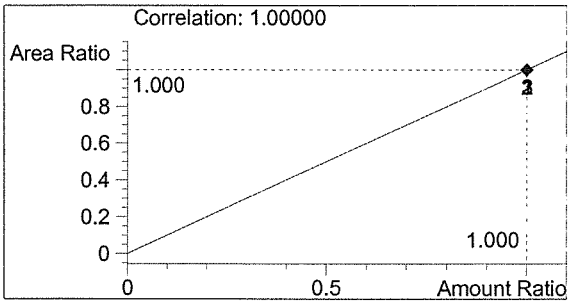


#	Compound	Area	RT
1	ETHANOL	1358	1.093
2	n-PROPANOL	3042	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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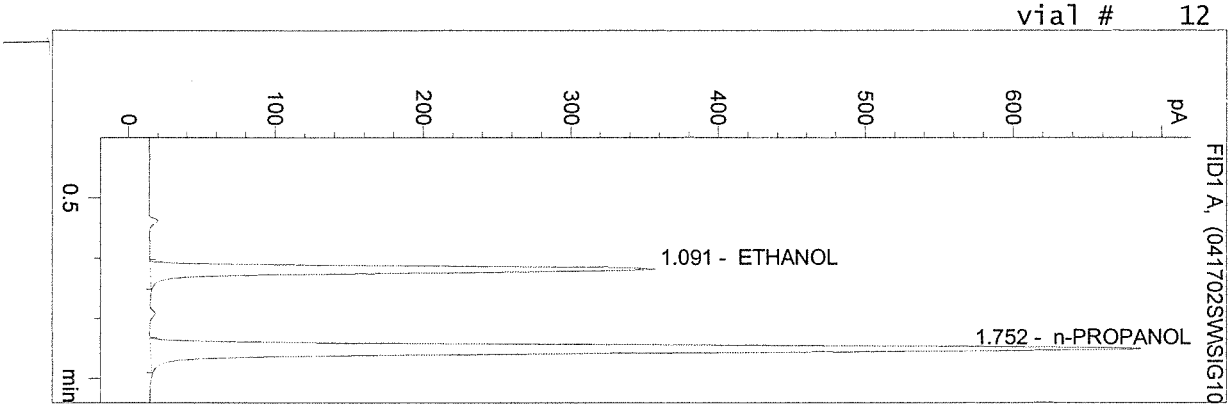
Instrument 3
DB-ALC1

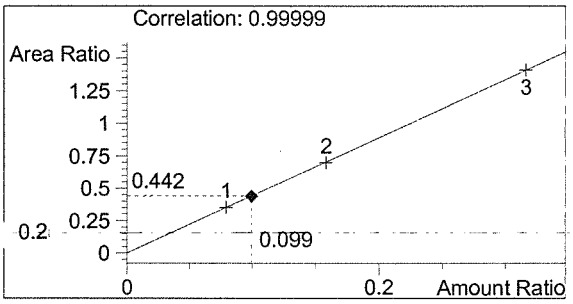
SIM.SOL.02009
EGLE WEISS

vial # 12

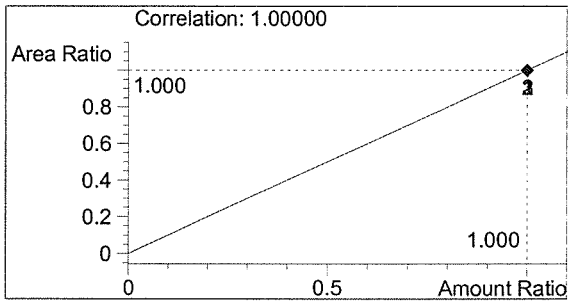


#	Compound	Area	RT
1	ETHANOL	1350	1.091
2	n-PROPANOL	3052	1.752

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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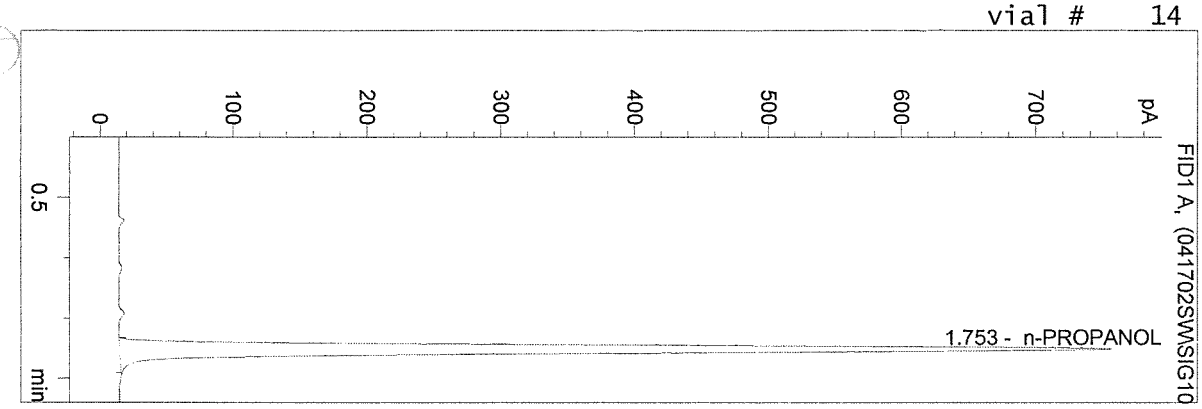
Instrument 3
DB-ALC1

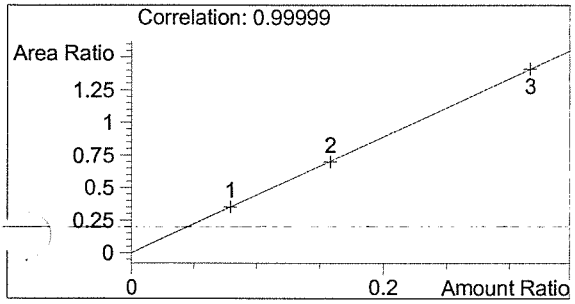
BLK
EGLE WEISS

vial # 14

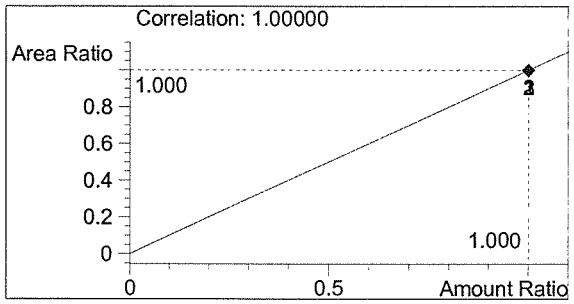


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3336	1.753

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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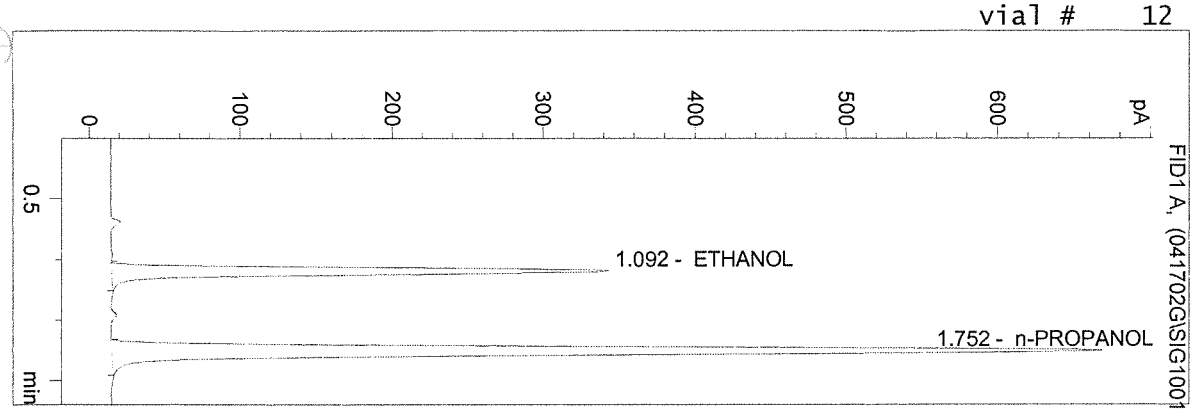
Instrument 3
DB-ALC1

CAP 0.101
GENE SCHWILKE

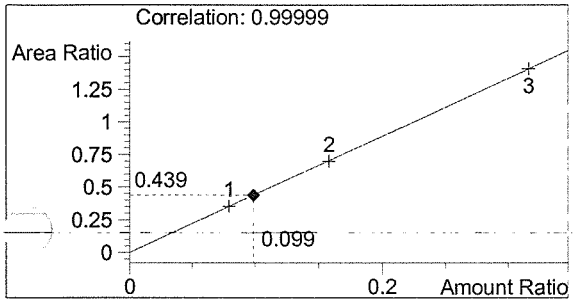
Cal in 02008

vial # 12

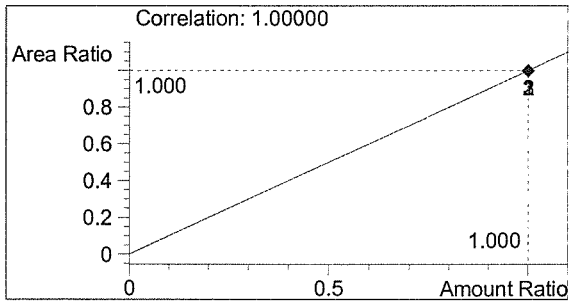


#	Compound	Area	RT
1	ETHANOL	1320	1.092
2	n-PROPANOL	3009	1.752

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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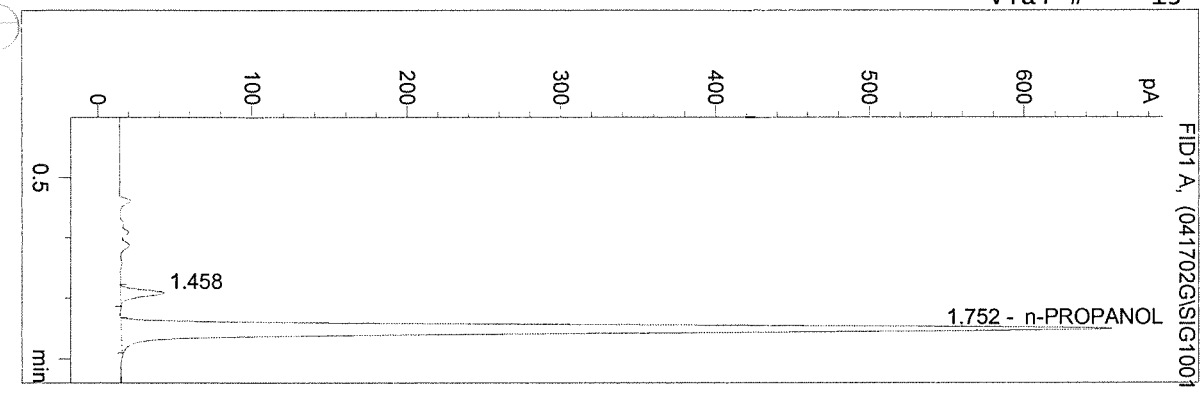
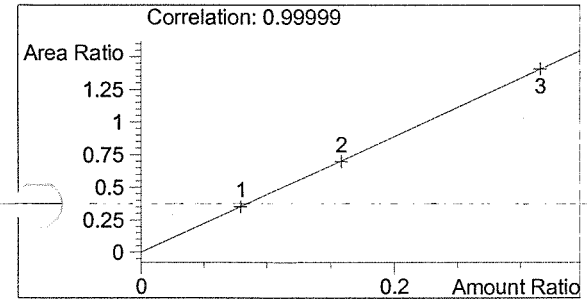
GENE SCHWILKE

vial # 13

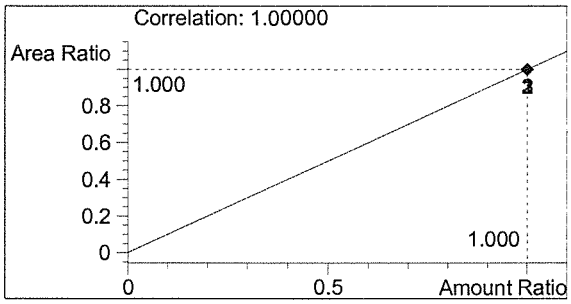


#	Compound	Area	RT
1	ETHANOL	0	0.000
2		110	1.458
3	n-PROPANOL	2945	1.752

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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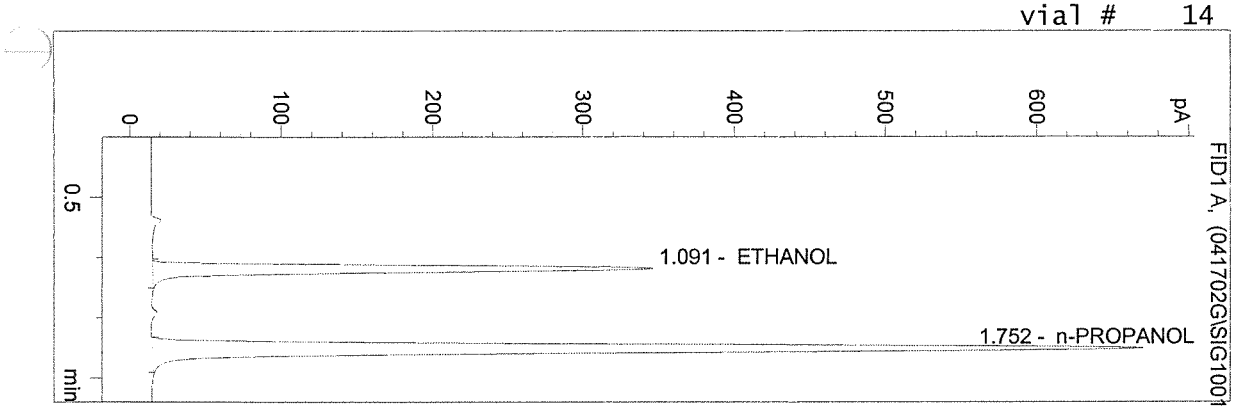
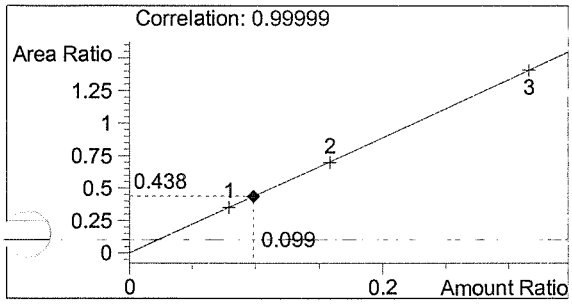
GENE SCHWILKE

vial # 14

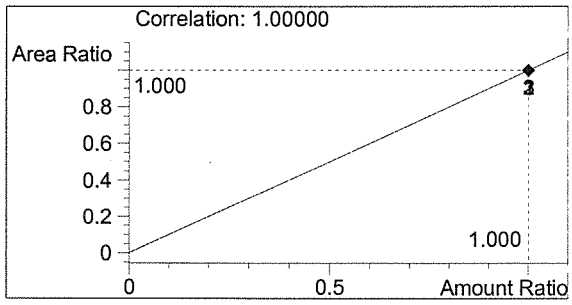


#	Compound	Area	RT
1	ETHANOL	1322	1.091
2	n-PROPANOL	3015	1.752

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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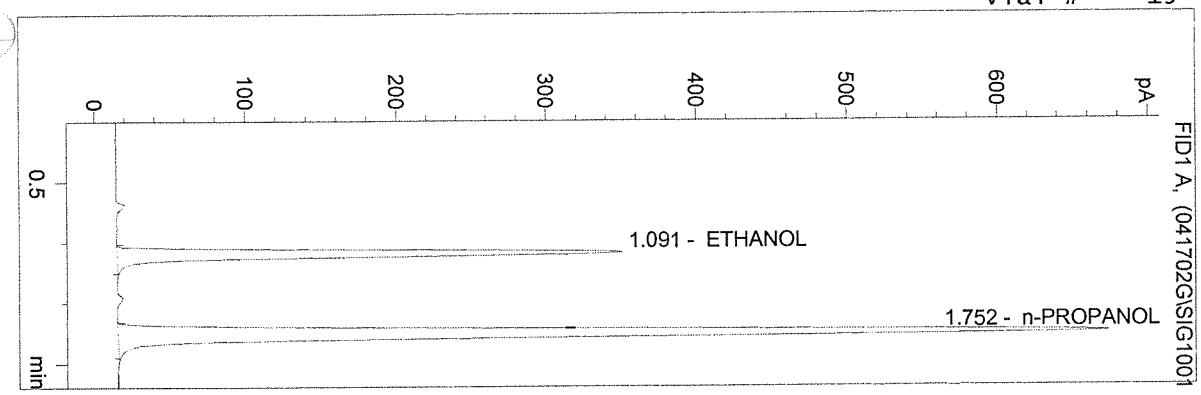
Instrument 3
DB-ALC1

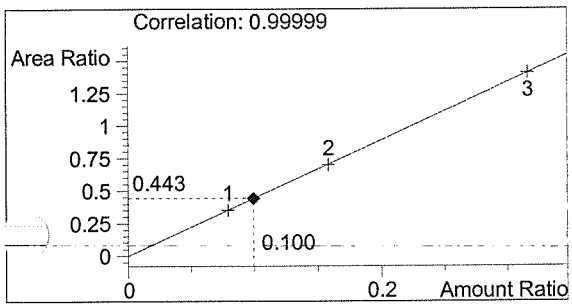
SS02009 0.08SOL
GENE SCHWILKE

vial # 15

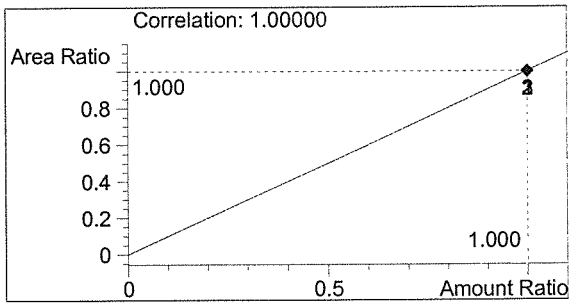


#	Compound	Area	RT
1	ETHANOL	1332	1.091
2	n-PROPANOL	3006	1.752

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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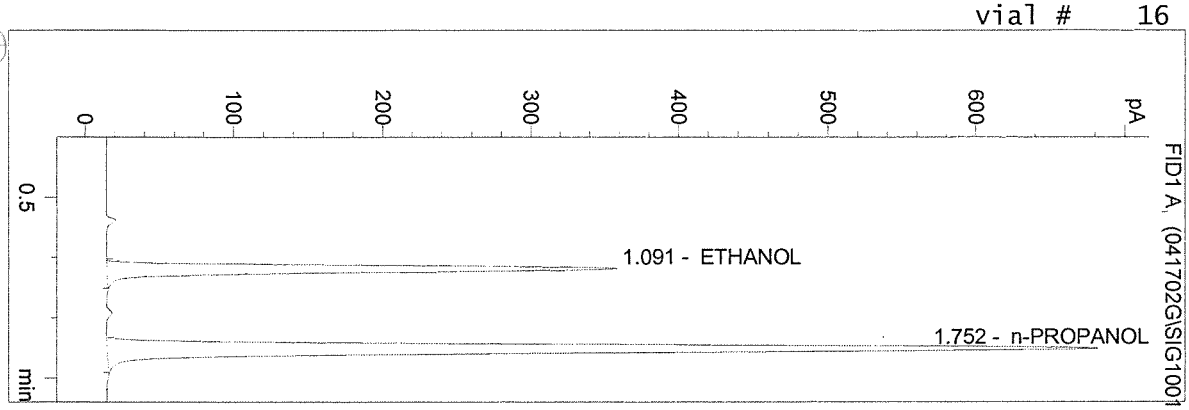
Instrument 3
DB-ALC1

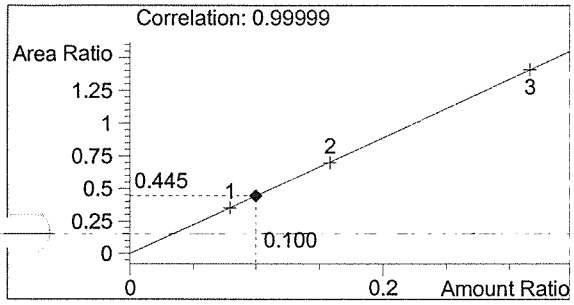
SS02009 0.08SOL
GENE SCHWILKE

vial # 16

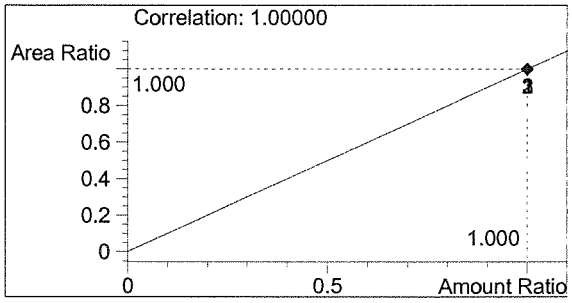


#	Compound	Area	RT
1	ETHANOL	1360	1.091
2	n-PROPANOL	3055	1.752

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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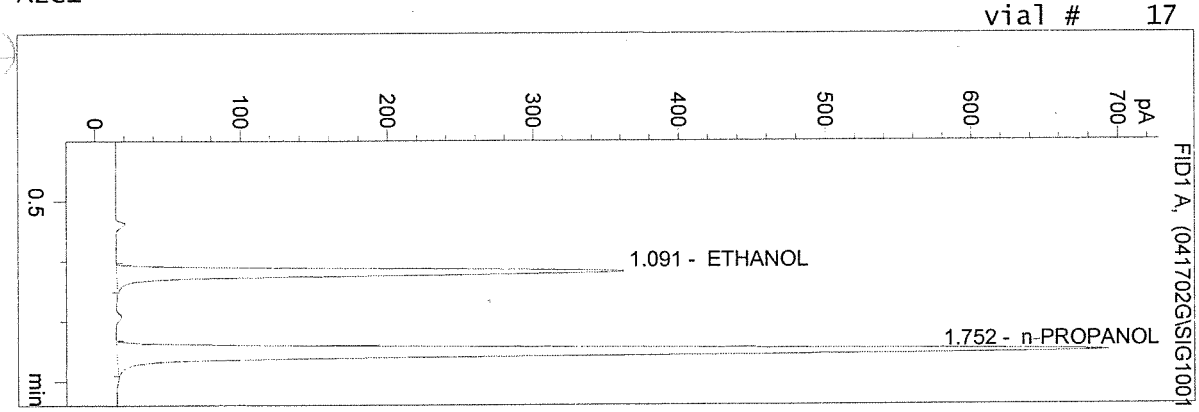
Instrument 3
DB-ALC1

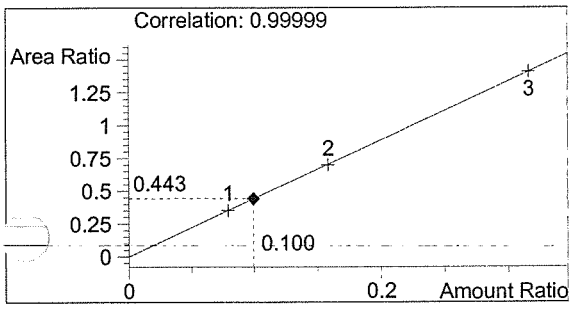
SS02009 0.08SOL
GENE SCHWILKE

vial # 17

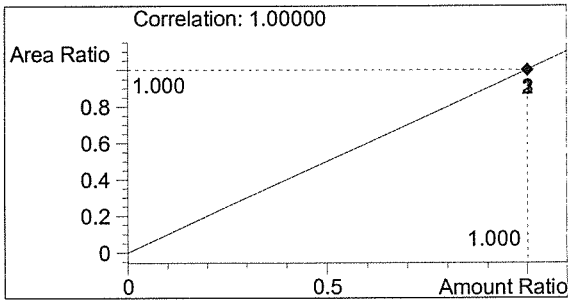


#	Compound	Area	RT
1	ETHANOL	1366	1.091
2	n-PROPANOL	3085	1.752

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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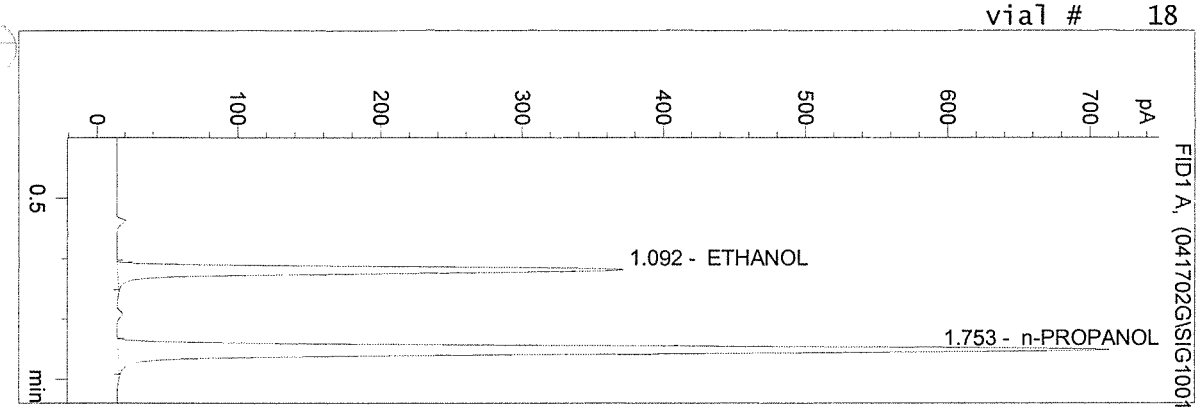
Instrument 3
DB-ALC1

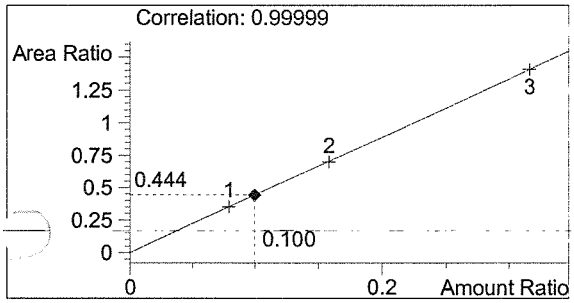
SS02009 0.08SOL
GENE SCHWILKE

vial # 18

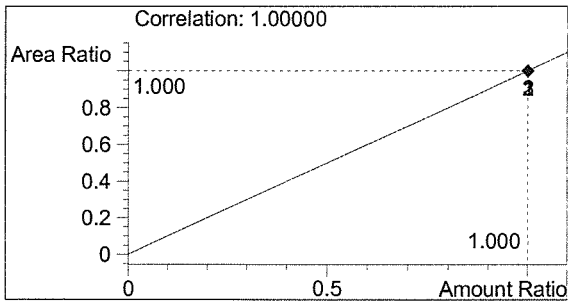


#	Compound	Area	RT
1	ETHANOL	1415	1.092
2	n-PROPANOL	3189	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 1
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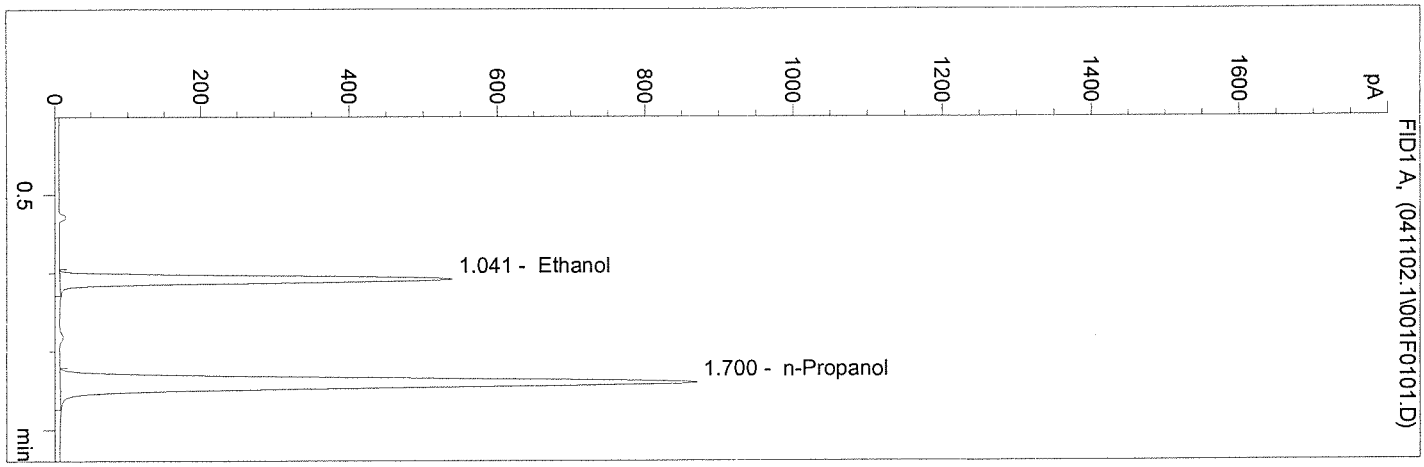
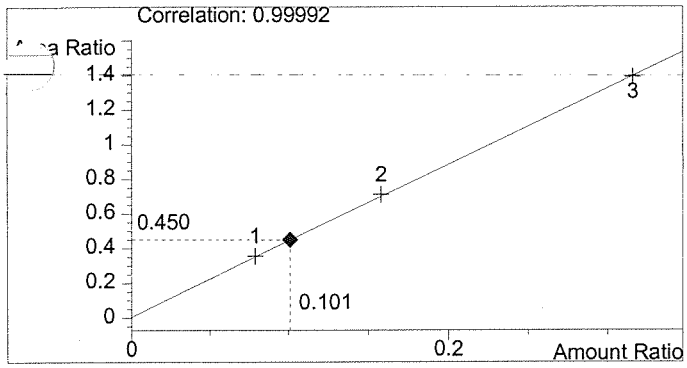
02009 SIM SOL
RUTH LUTHI

vial # 1

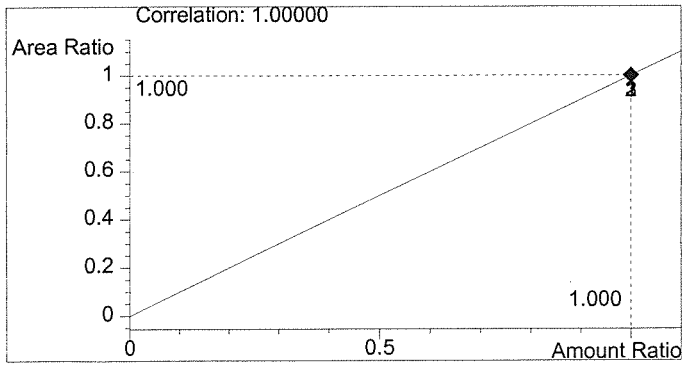


#	Compound	Area	RT
1	Ethanol	1639	1.041
2	n-Propanol	3640	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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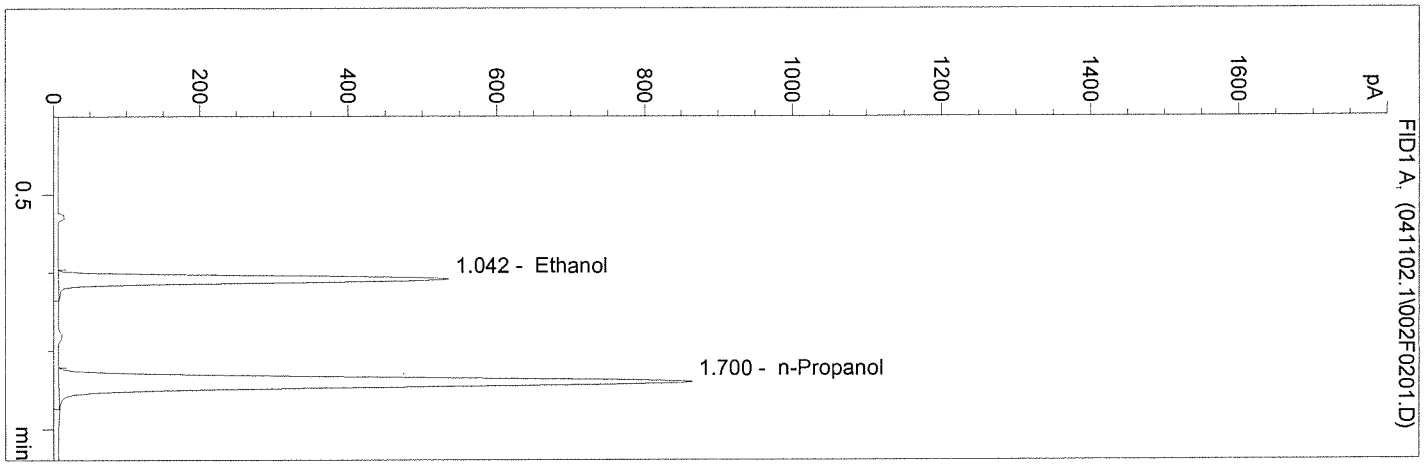
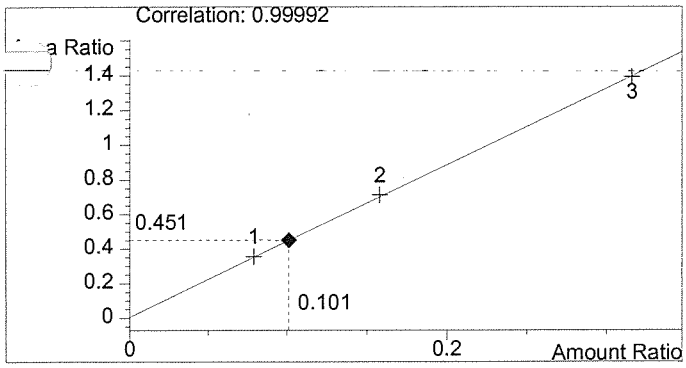
RUTH LUTHI

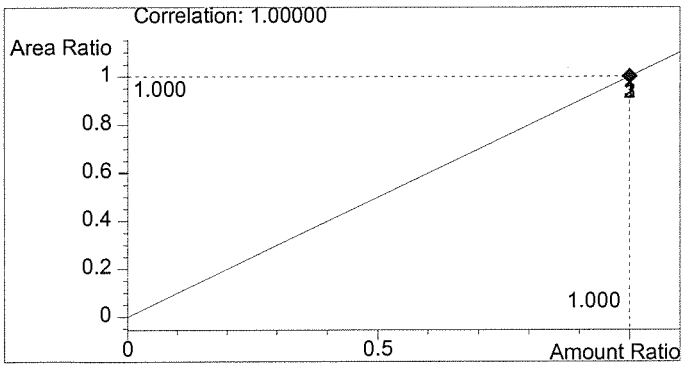
vial # 2



#	Compound	Area	RT
1	Ethanol	1634	1.042
2	n-Propanol	3623	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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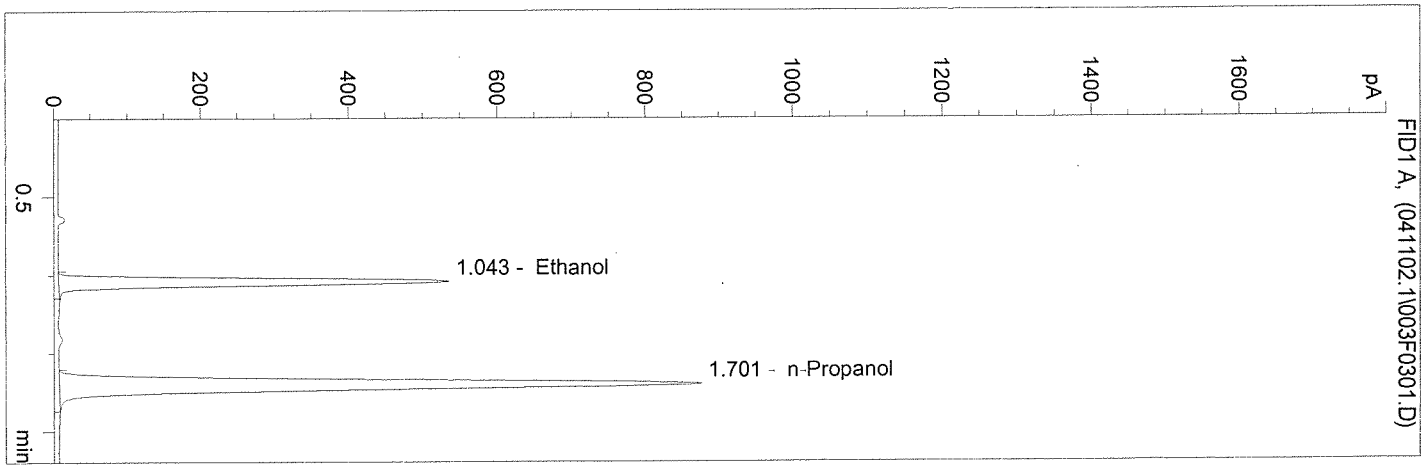
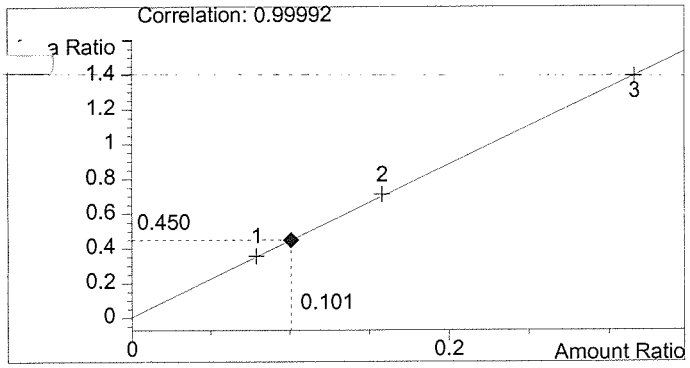
02009 SIM SOL
RUTH LUTHI

vial # 3

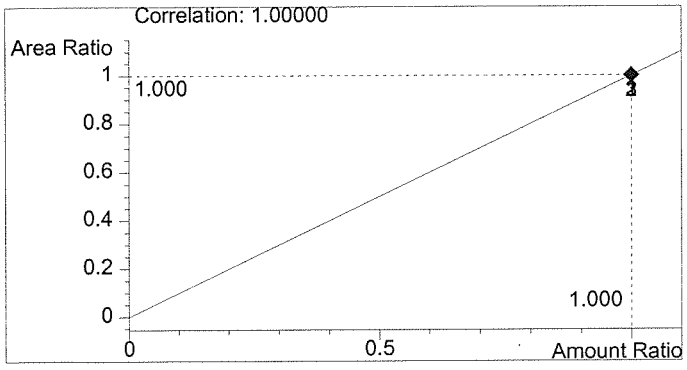


#	Compound	Area	RT
1	Ethanol	1660	1.043
2	n-Propanol	3692	1.701

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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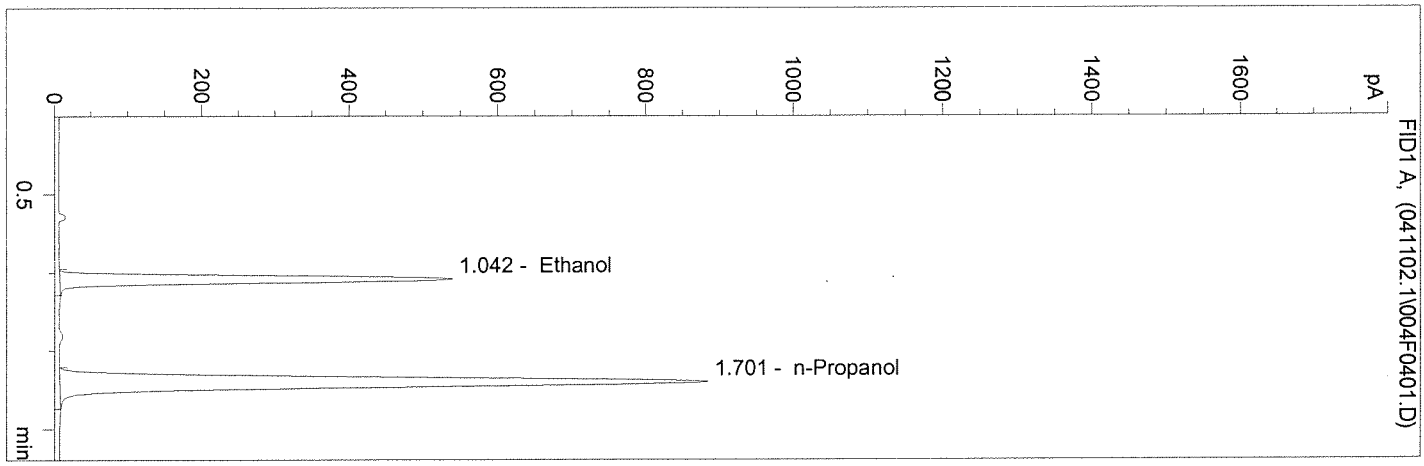
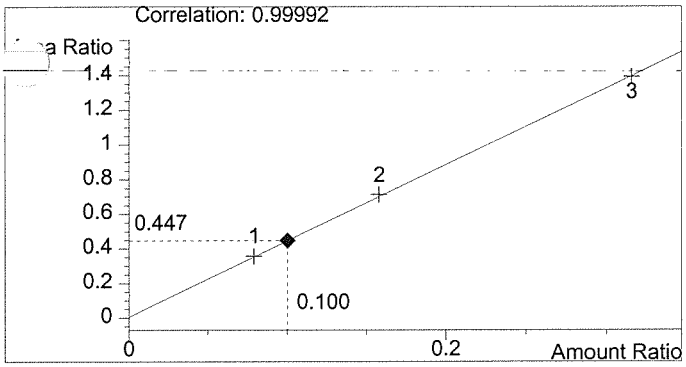
RUTH LUTHI

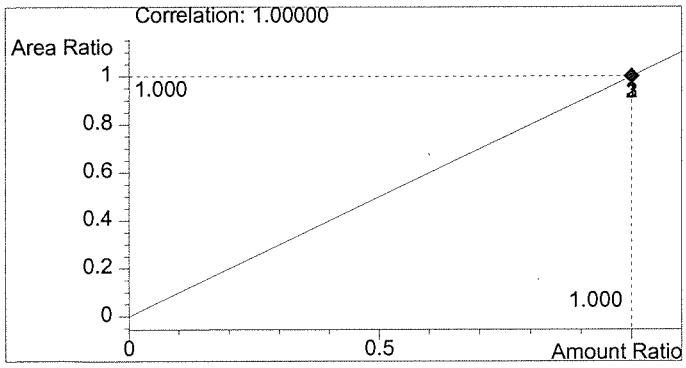
vial # 4



#	Compound	Area	RT
1	Ethanol	1667	1.042
2	n-Propanol	3727	1.701
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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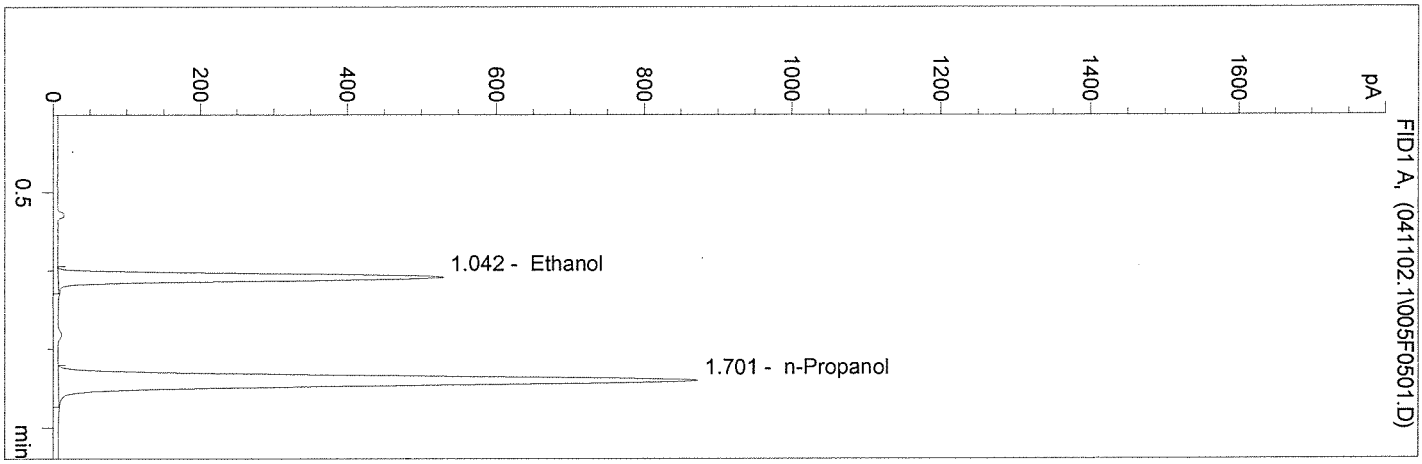
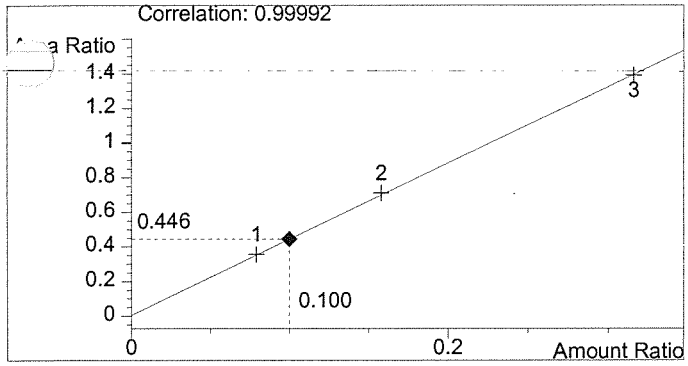
RUTH LUTHI

vial # 5

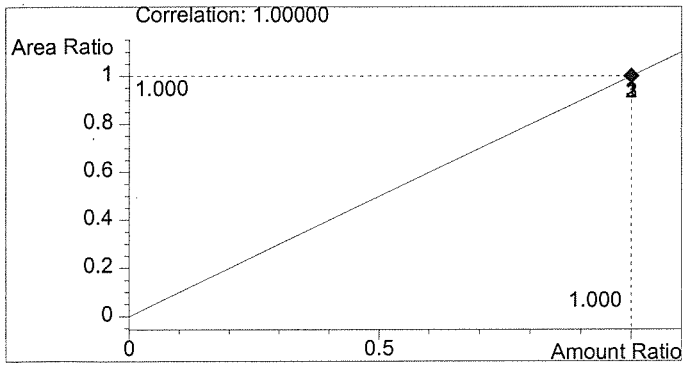


#	Compound	Area	RT
1	Ethanol	1639	1.042
2	n-Propanol	3676	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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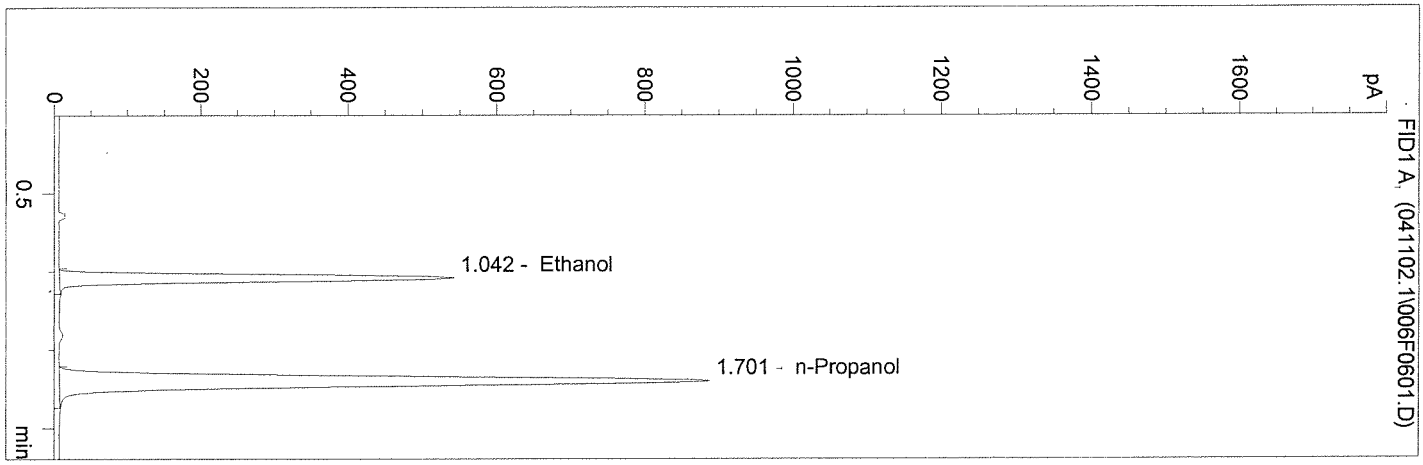
Instrument 1
DB-ALC1

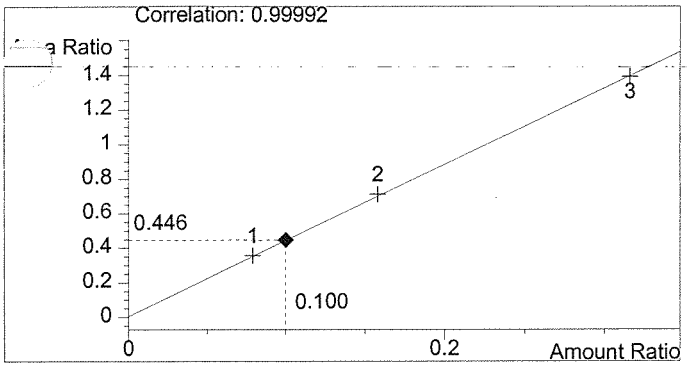
0.101 CAP
RUTH LUTHI

vial # 6

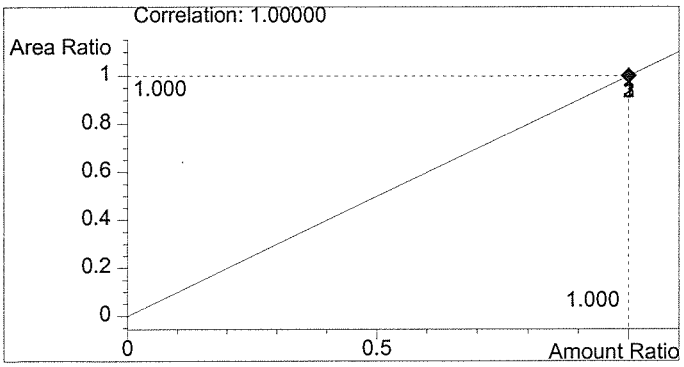


#	Compound	Area	RT
1	Ethanol	1663	1.042
2	n-Propanol	3727	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
DB-ALC1

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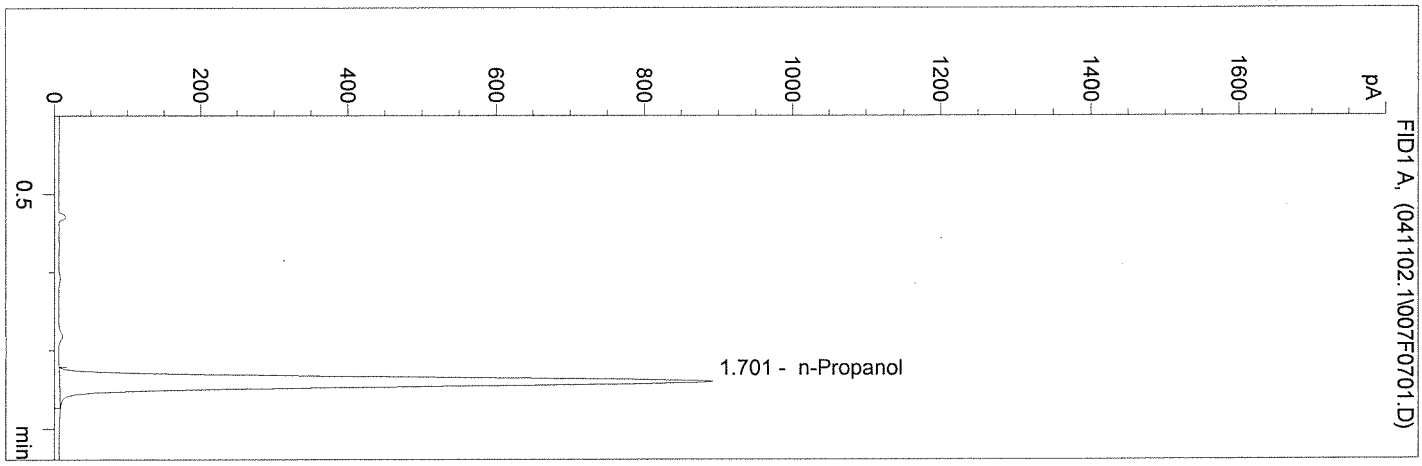
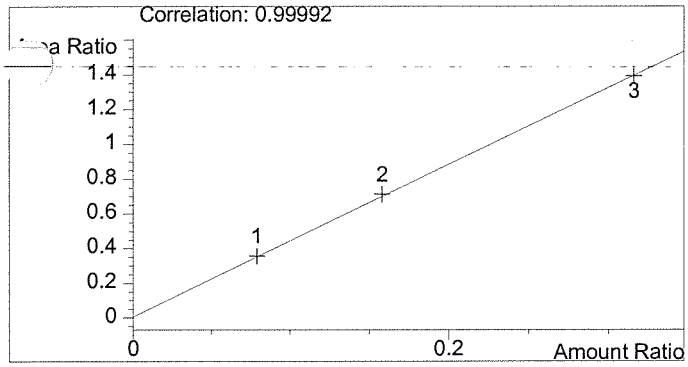
RUTH LUTHI

vial # 7

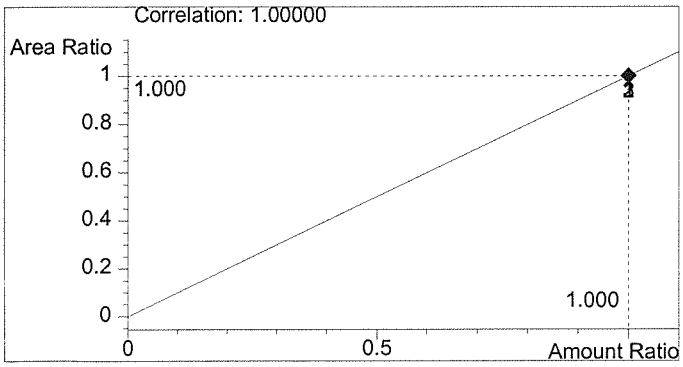


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3746	1.701

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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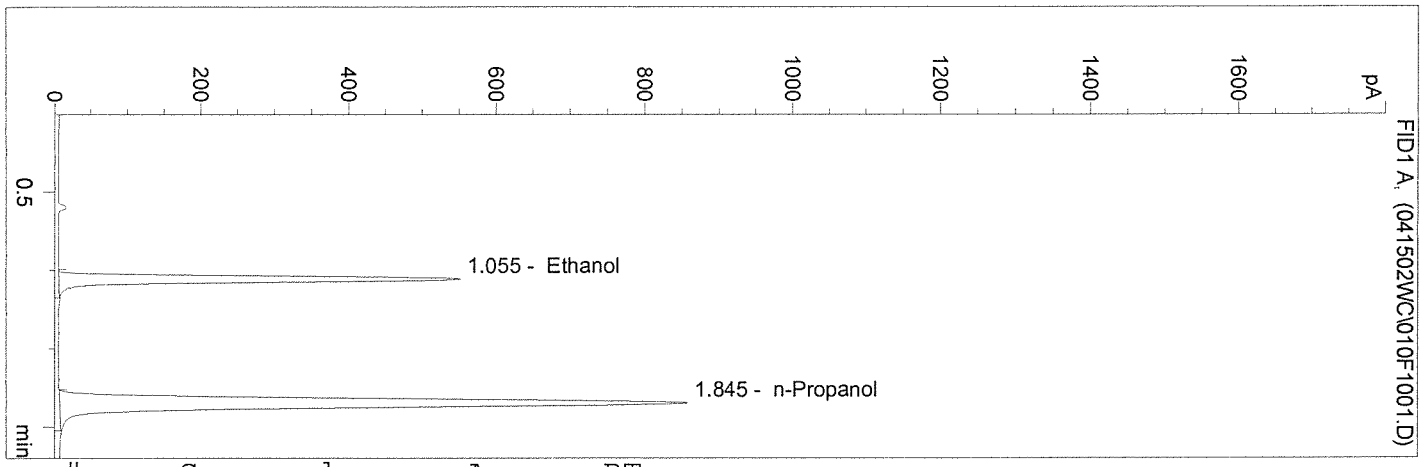
Instrument 2
DB-ALC1

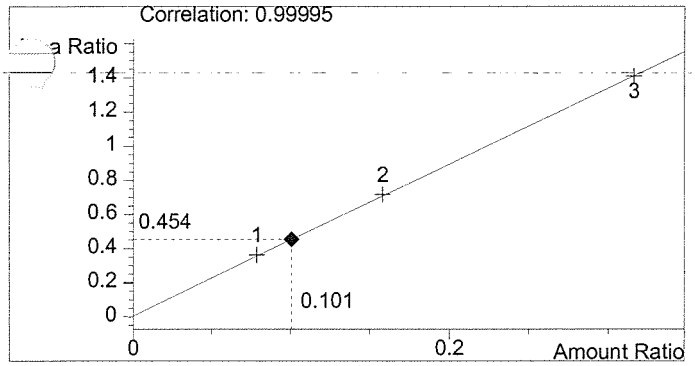
SIM 02009
WP MARSHALL

vial # 10

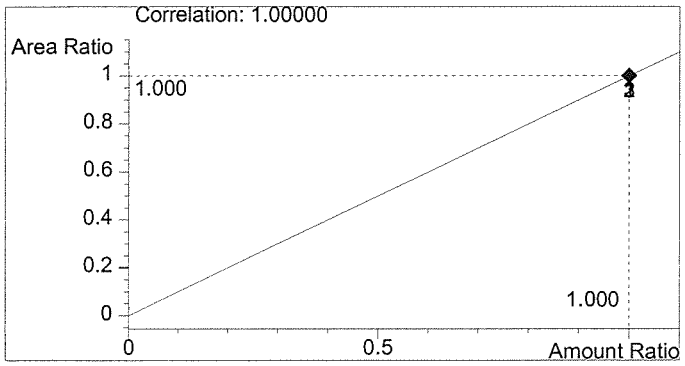


#	Compound	Area	RT
1	Ethanol	1483	1.055
2	n-Propanol	3264	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

STD 022137

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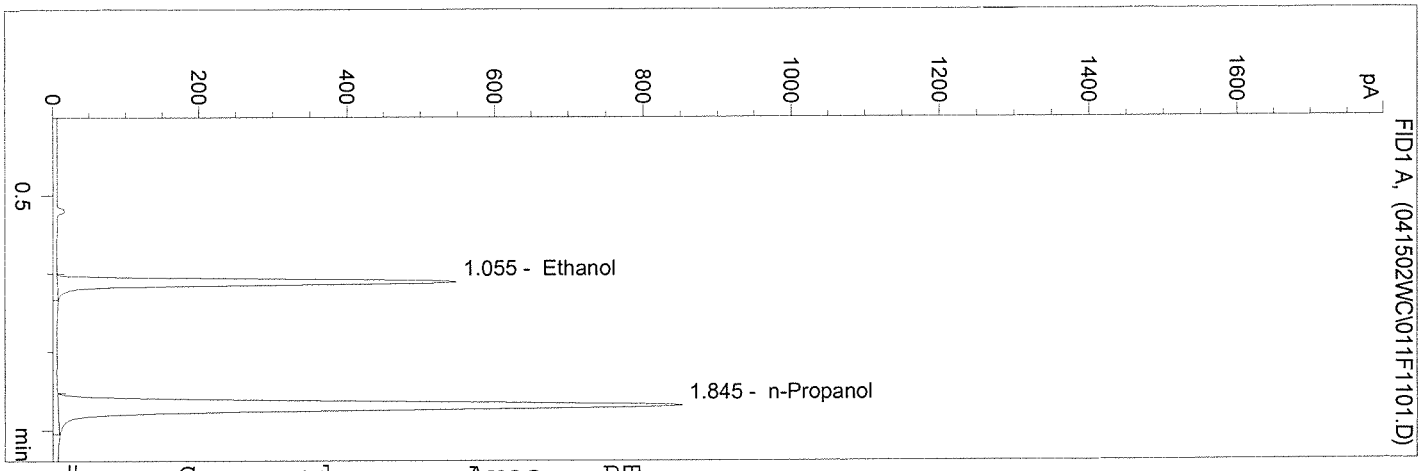
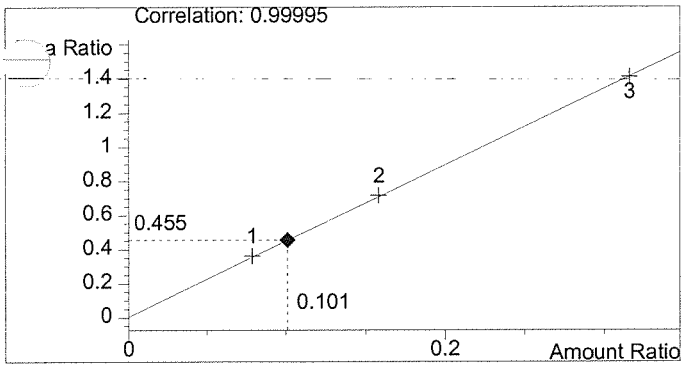
SIM 02009
WP MARSHALL

vial # 11

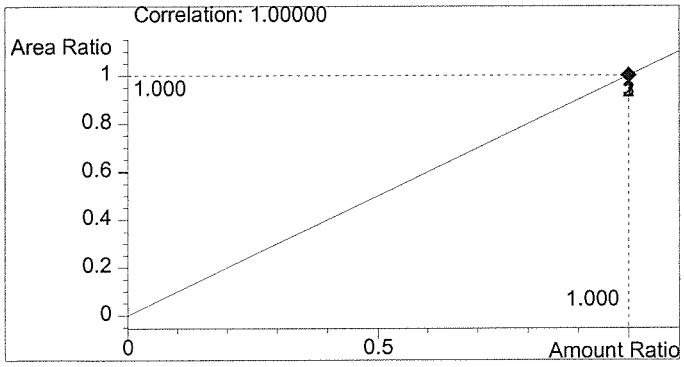


#	Compound	Area	RT
1	Ethanol	1472	1.055
2	n-Propanol	3233	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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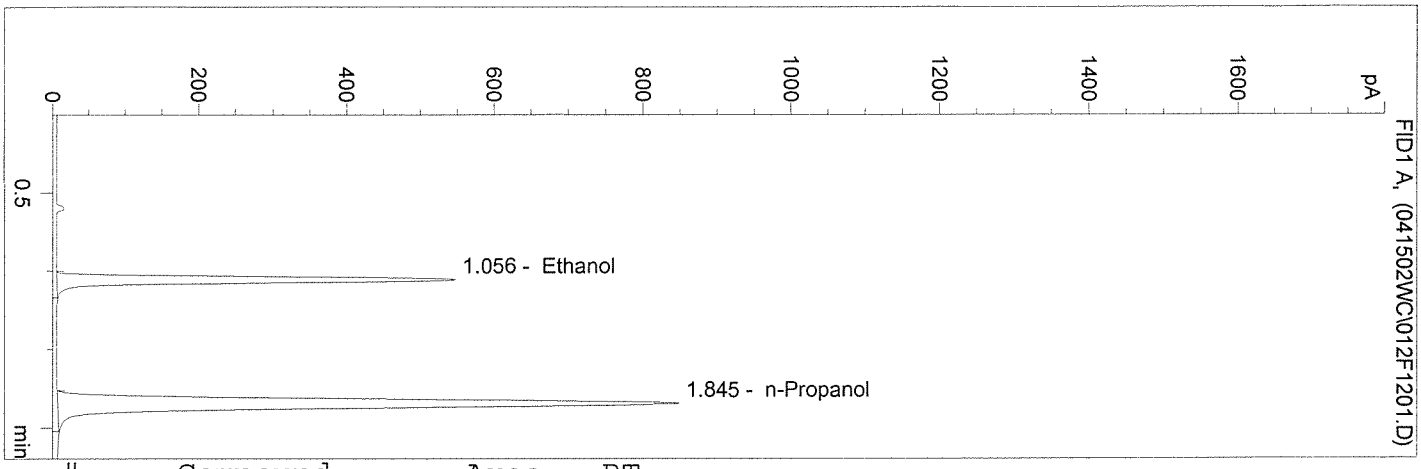
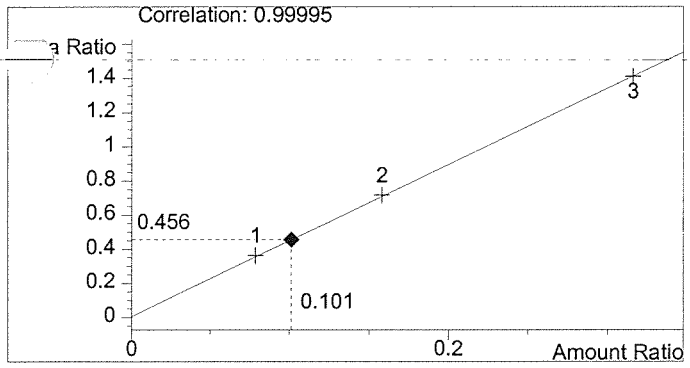
SIM 02009
WP MARSHALL

vial # 12

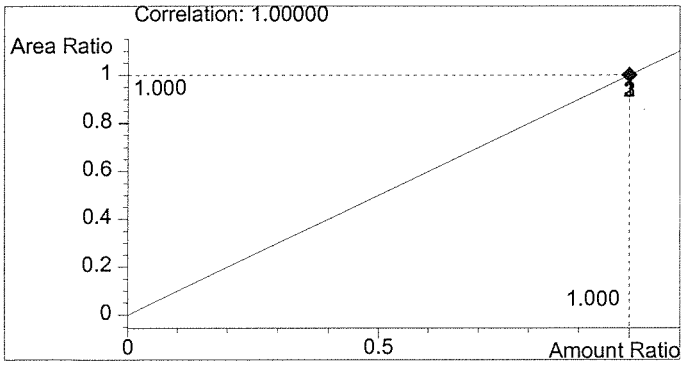


#	Compound	Area	RT
1	Ethanol	1471	1.056
2	n-Propanol	3225	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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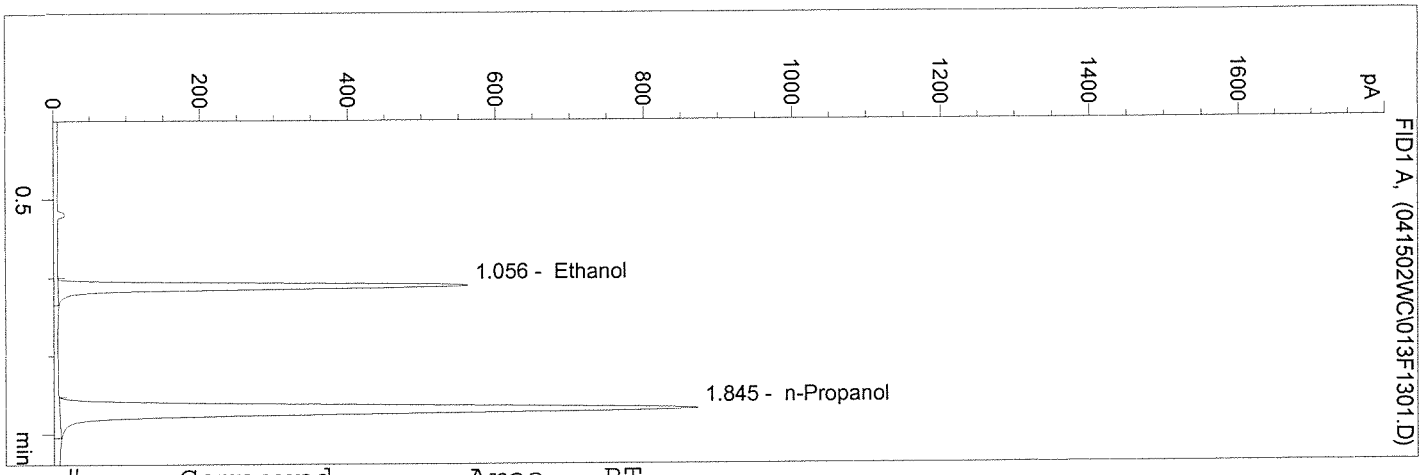
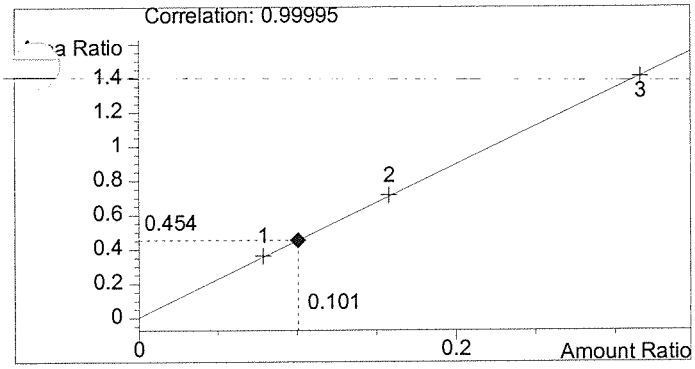
SIM 02009
WP MARSHALL

vial # 13

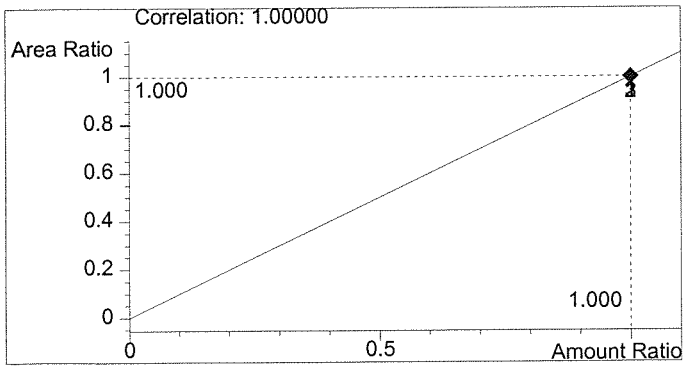


#	Compound	Area	RT
1	Ethanol	1504	1.056
2	n-Propanol	3316	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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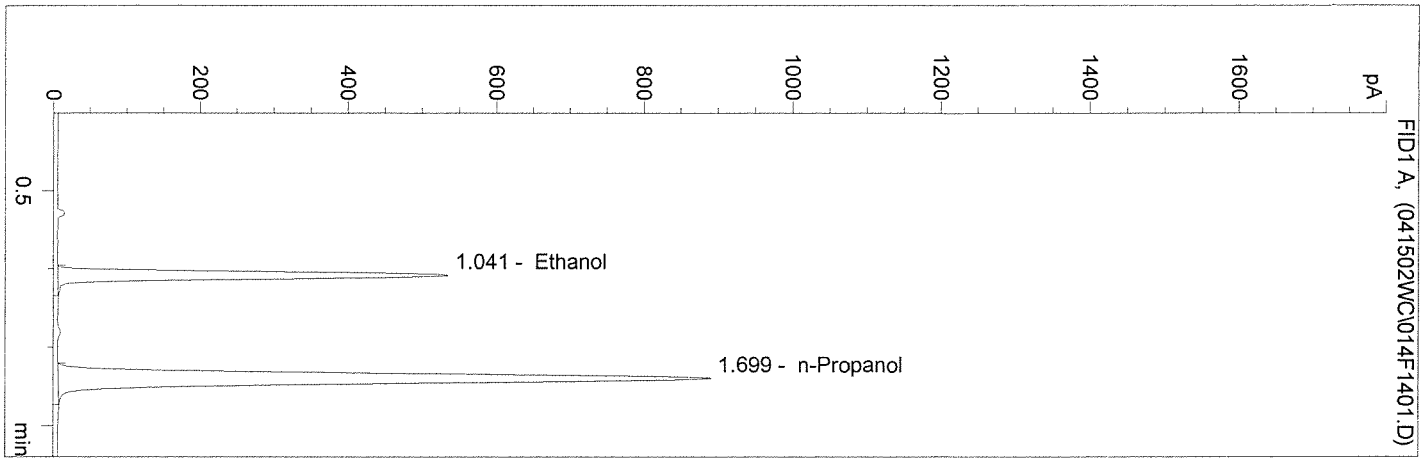
4/15/02 8:48:04 AM
Instrument 1
DB-ALC1

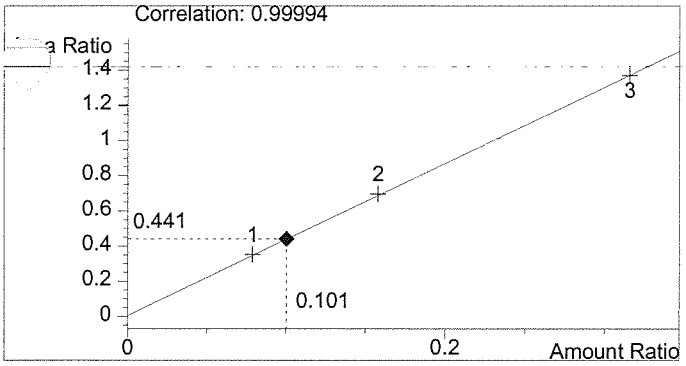
SIM 02008
WP MARSHALL

vial # 14

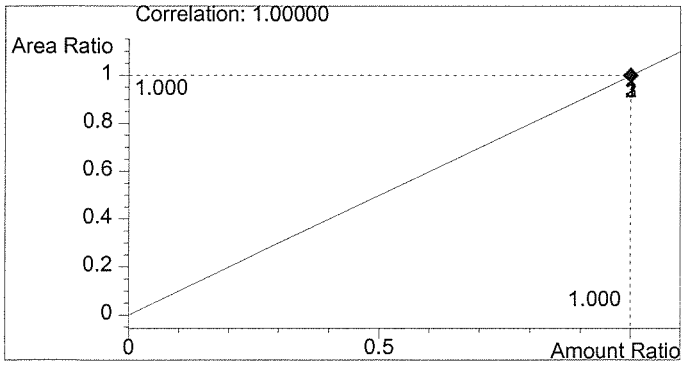


#	Compound	Area	RT
1	Ethanol	1658	1.041
2	n-Propanol	3759	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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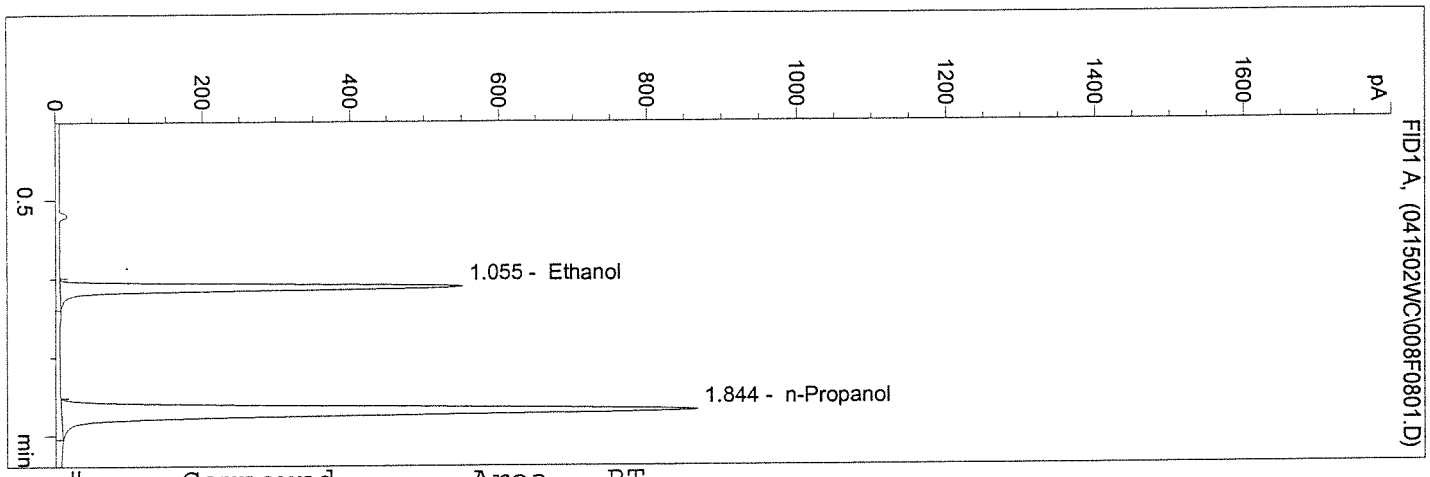
Instrument 2
DB-ALC1

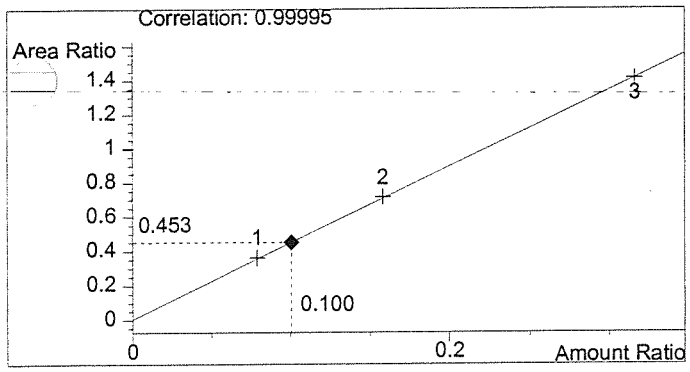
0.101 CAP WPM
WP MARSHALL

vial # 8

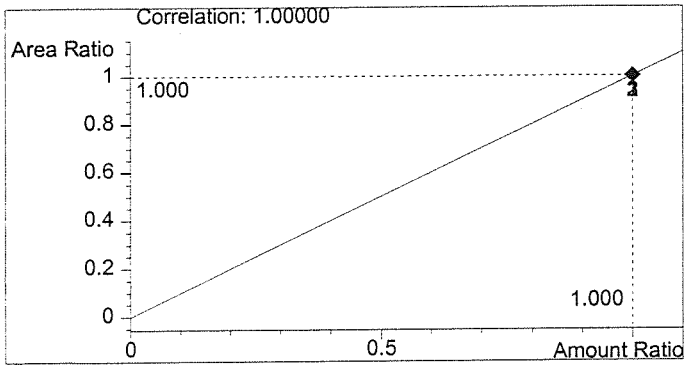


#	Compound	Area	RT
1	Ethanol	1494	1.055
2	n-Propanol	3298	1.844

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
DB-ALC1

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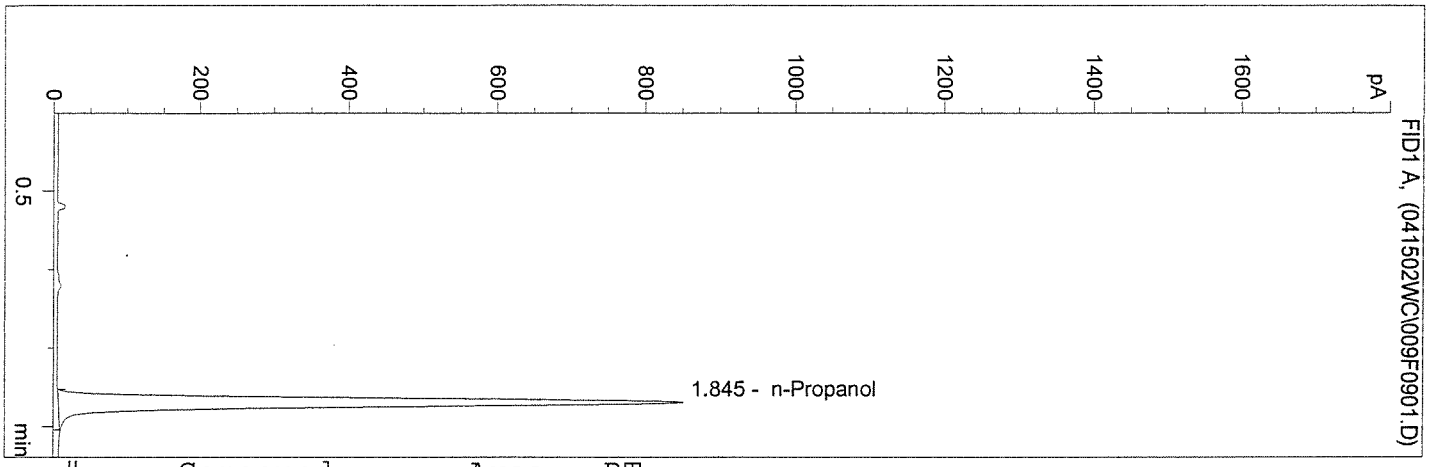
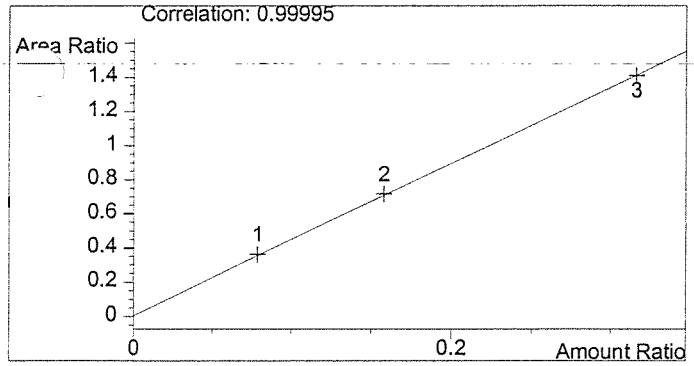
WP MARSHALL

vial # 9

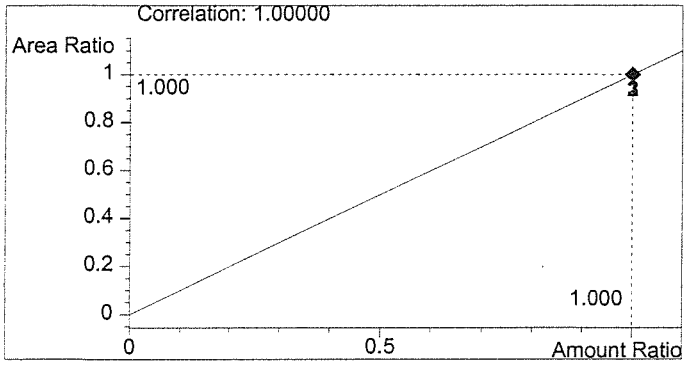


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3235	1.845

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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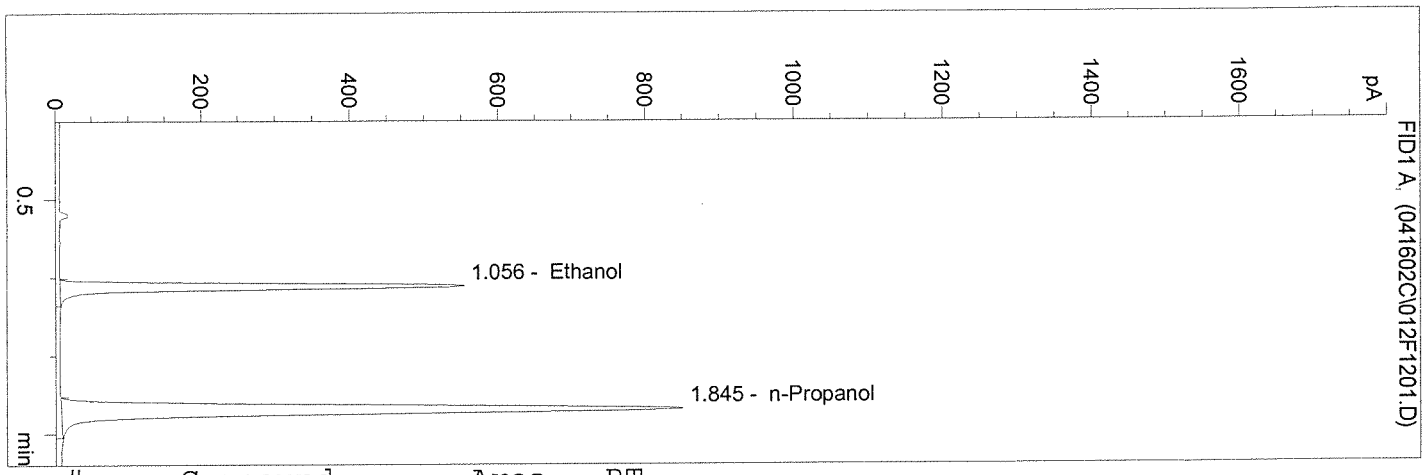
4/16/02 8:25:43 AM
Instrument 2
DB-ALC1

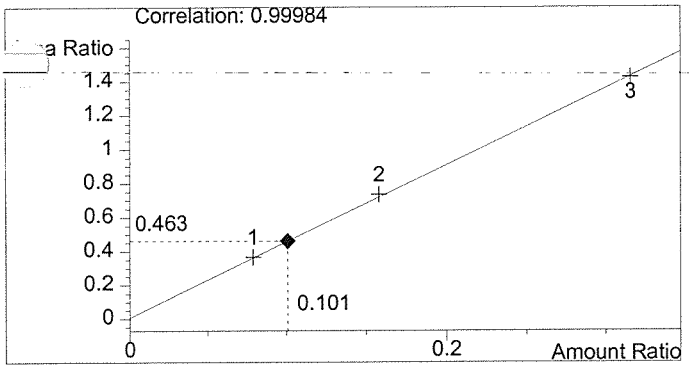
02009 SIM SOLN
M PEMBERTON

vial # 12

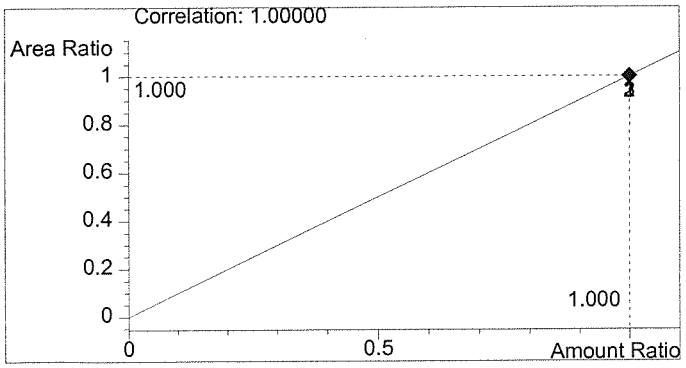


#	Compound	Area	RT
1	Ethanol	1497	1.056
2	n-Propanol	3234	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
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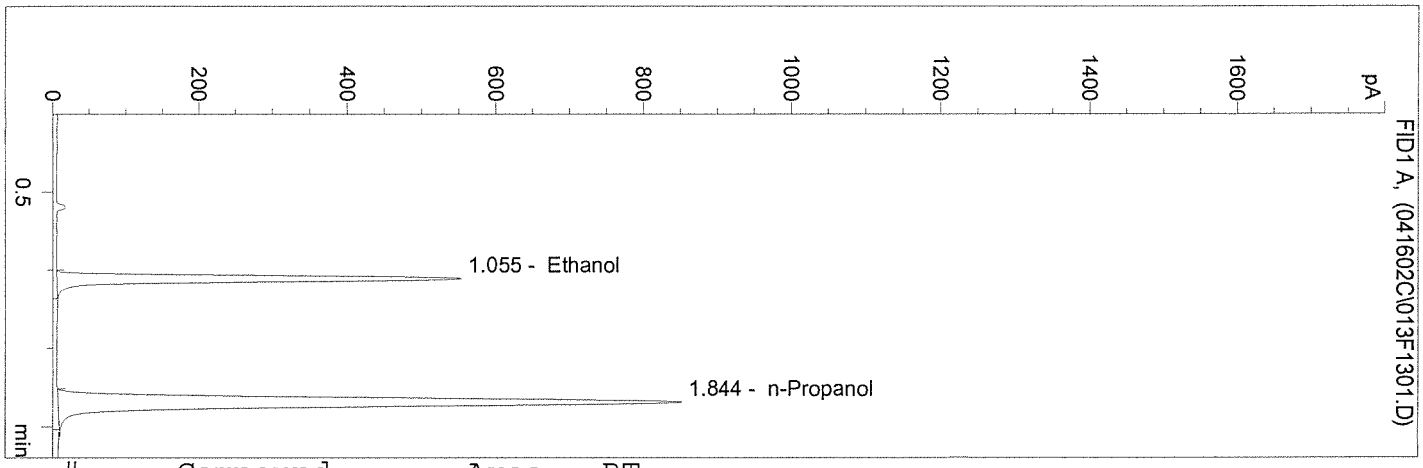
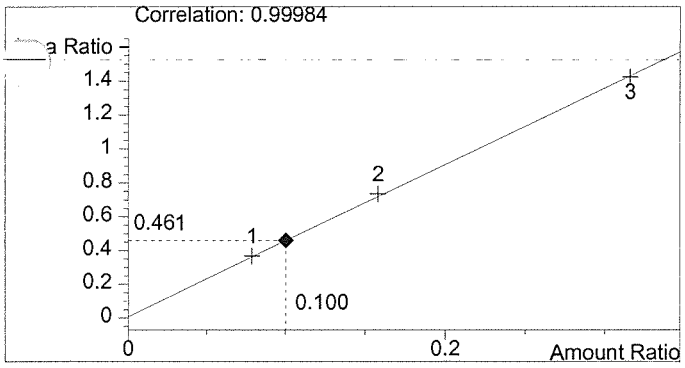
02009 SIM SOLN
M PEMBERTON

vial # 13

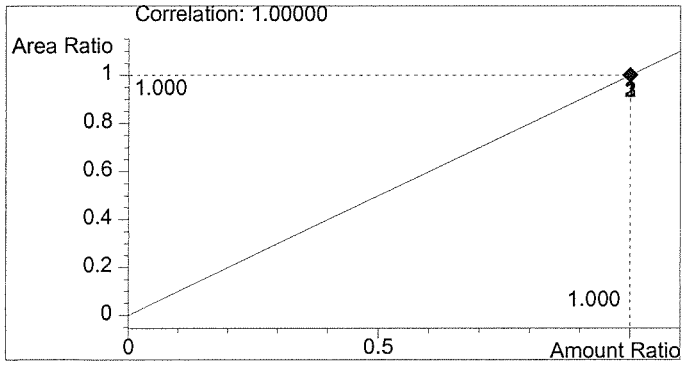


#	Compound	Area	RT
1	Ethanol	1496	1.055
2	n-Propanol	3245	1.844

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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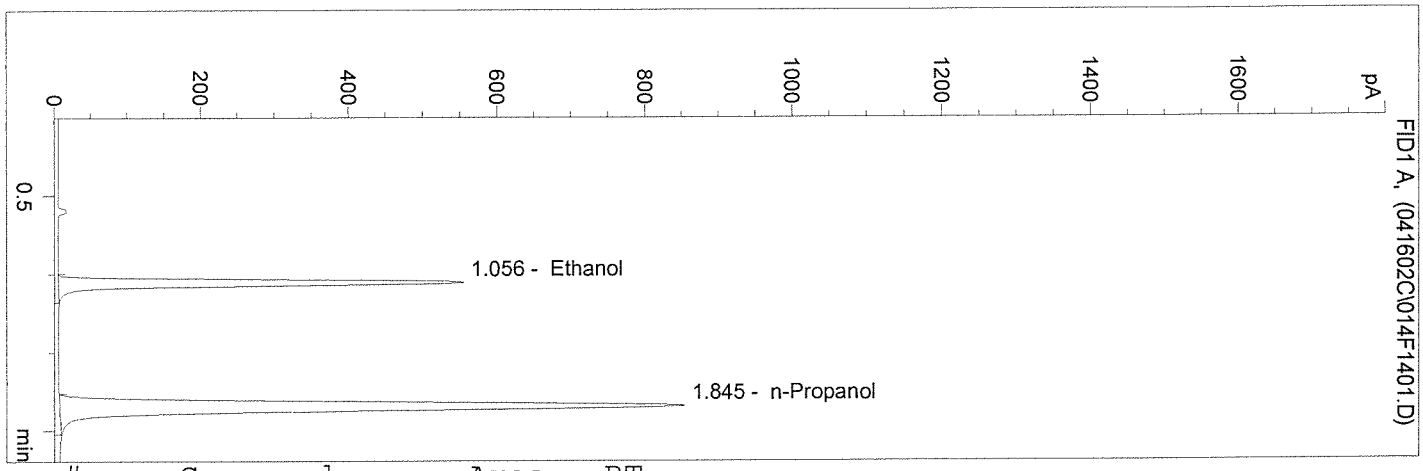
Instrument 2
DB-ALC1

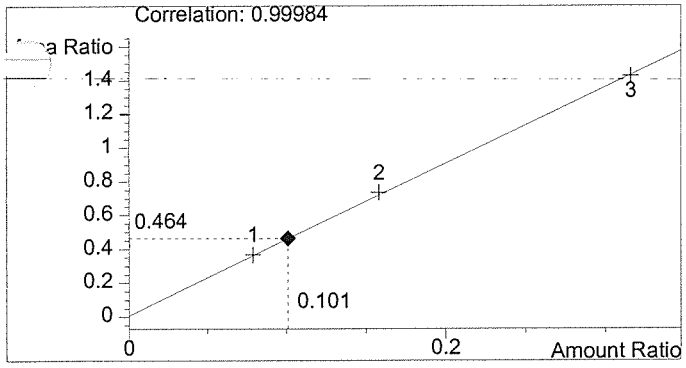
02009 SIM SOLN
M PEMBERTON

vial # 14

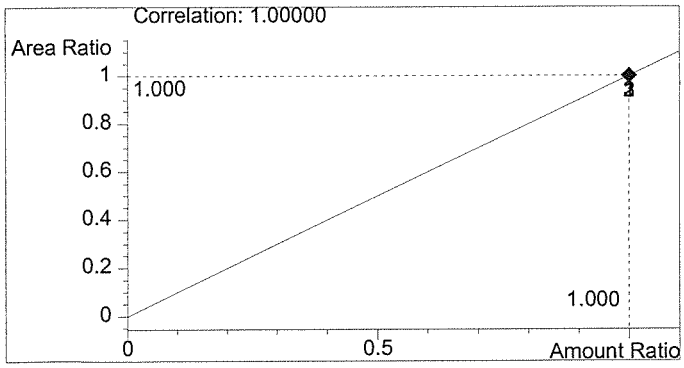


#	Compound	Area	RT
1	Ethanol	1506	1.056
2	n-Propanol	3249	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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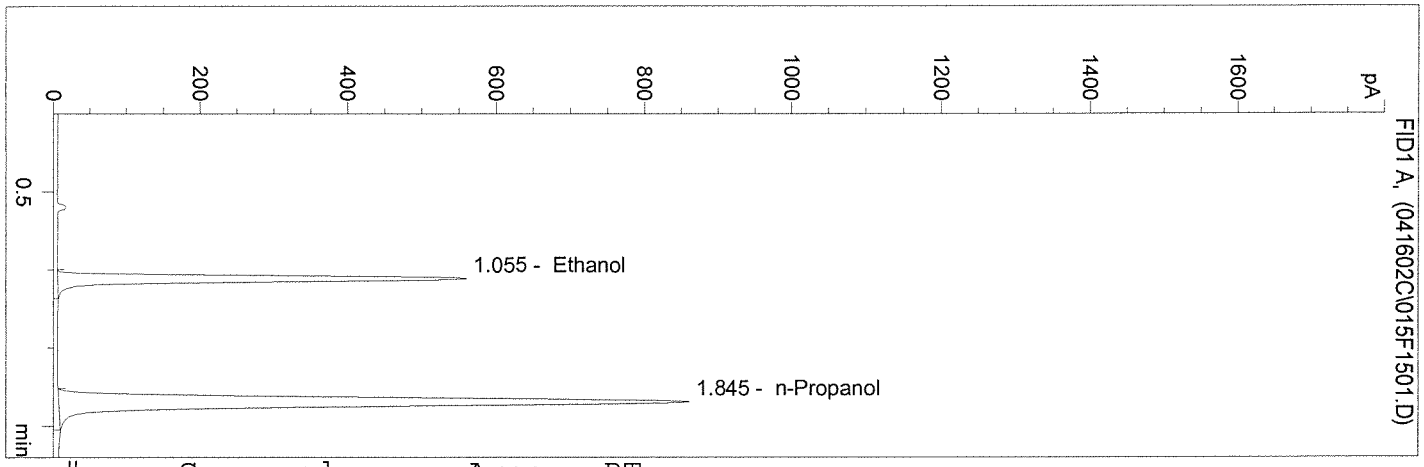
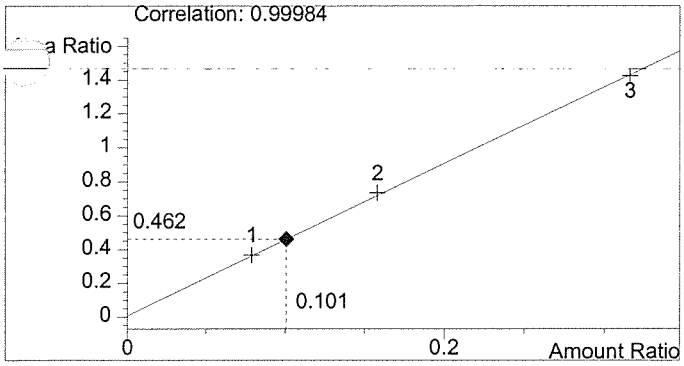
02009 SIM SOLN
M PEMBERTON

vial # 15

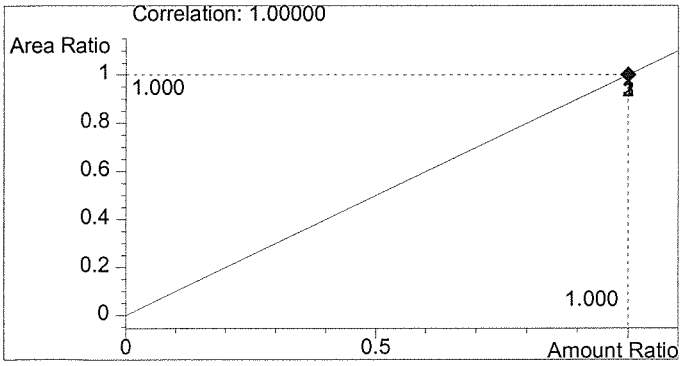


#	Compound	Area	RT
1	Ethanol	1513	1.055
2	n-Propanol	3276	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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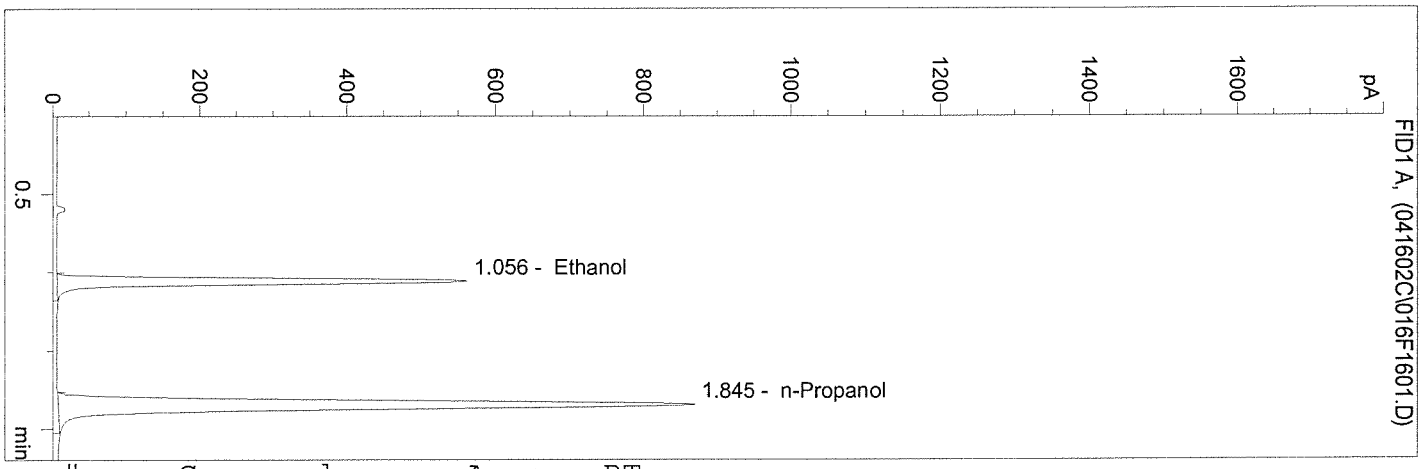
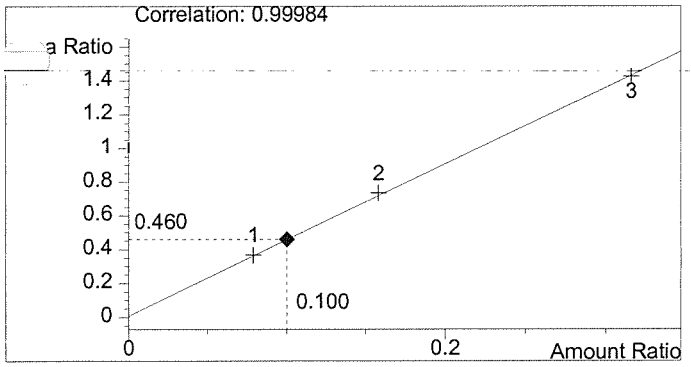
02009 SIM SOLN
M PEMBERTON

vial # 16

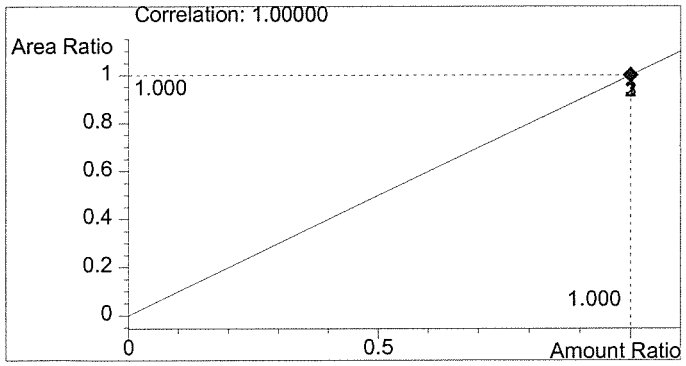


#	Compound	Area	RT
1	Ethanol	1526	1.056
2	n-Propanol	3315	1.845

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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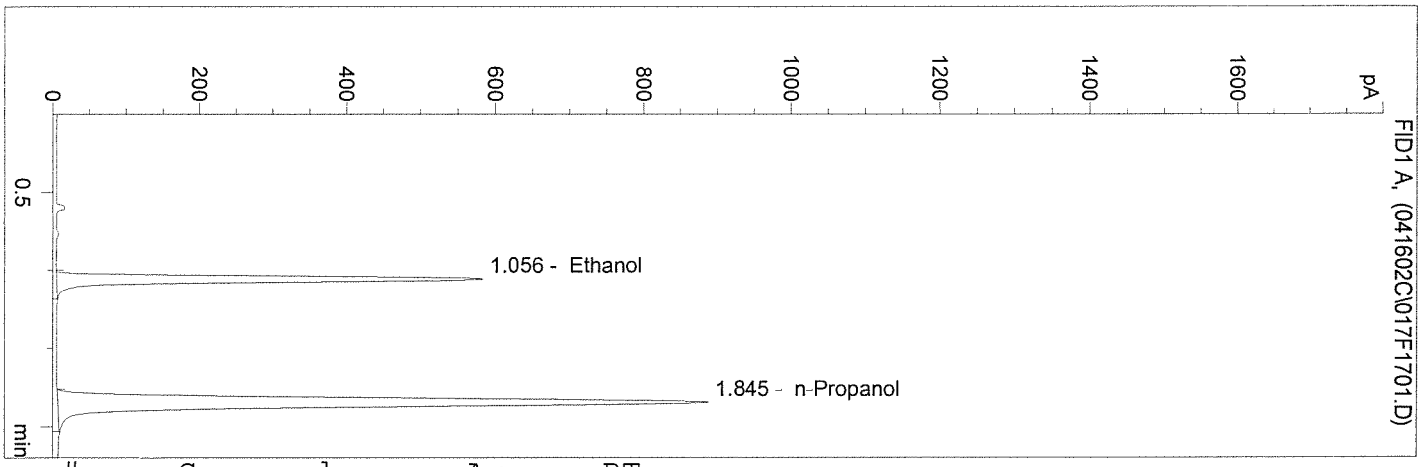
4/16/02 8:41:30 AM
Instrument 2
FP-ALC1

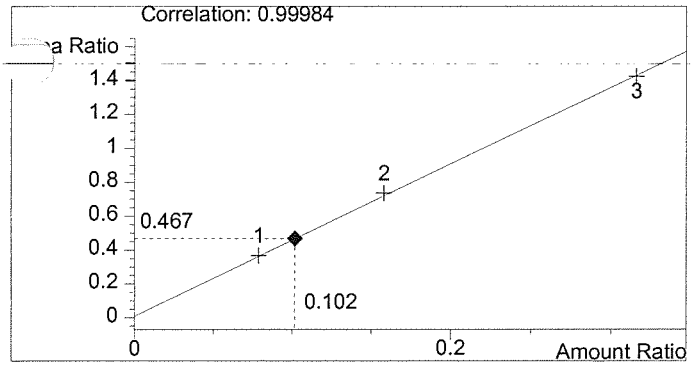
0.101 CAP
M PEMBERTON

vial # 17

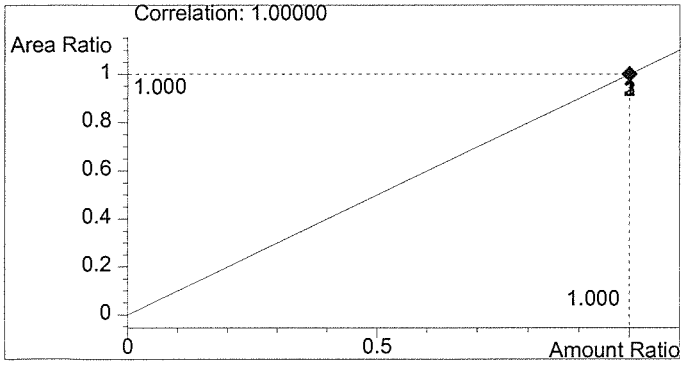


#	Compound	Area	RT
1	Ethanol	1579	1.056
2	n-Propanol	3379	1.845

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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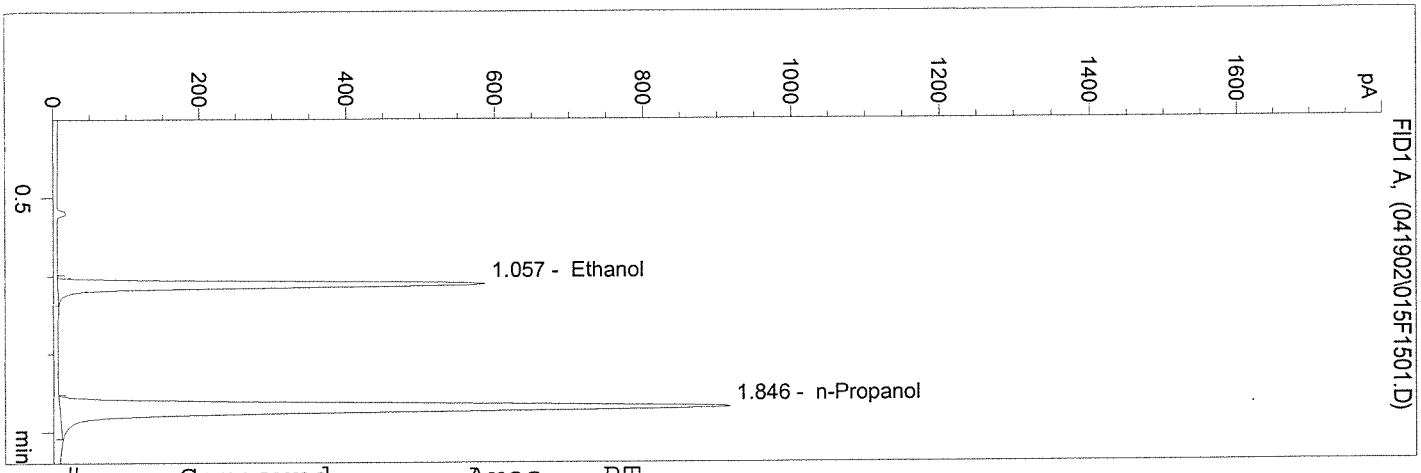
4/19/02 10:19:10 AM
Instrument 2
BLDALC1

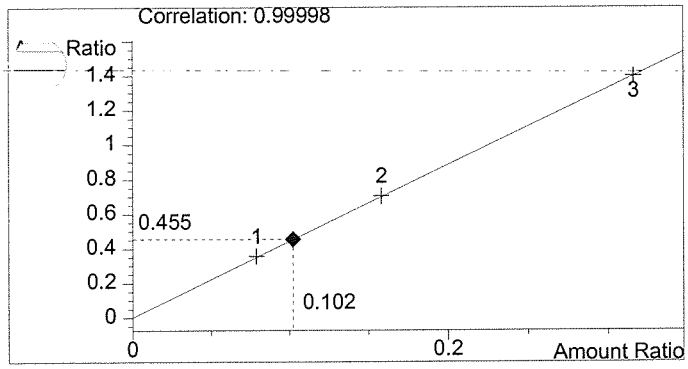
Sim. Sol. 02009
Estuardo J. Miranda

vial # 15

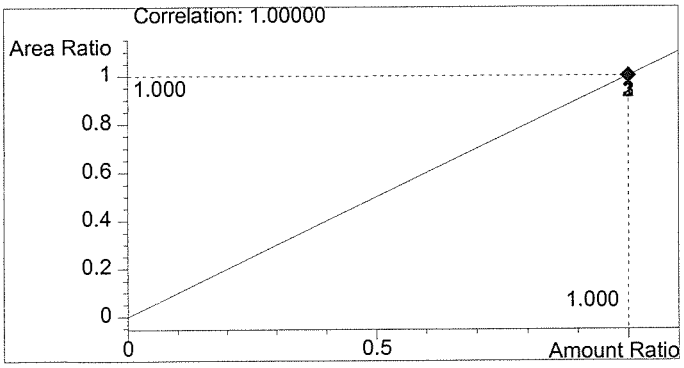


#	Compound	Area	RT
1	Ethanol	1627	1.057
2	n-Propanol	3573	1.846

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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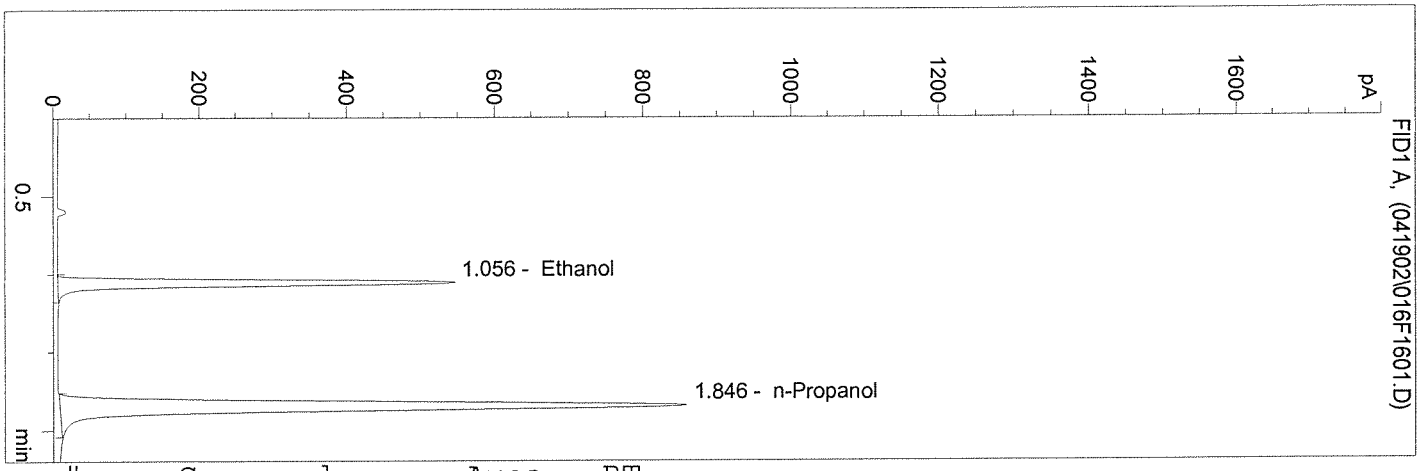
4/19/02 10:22:12 AM
Instrument 2
ALC1

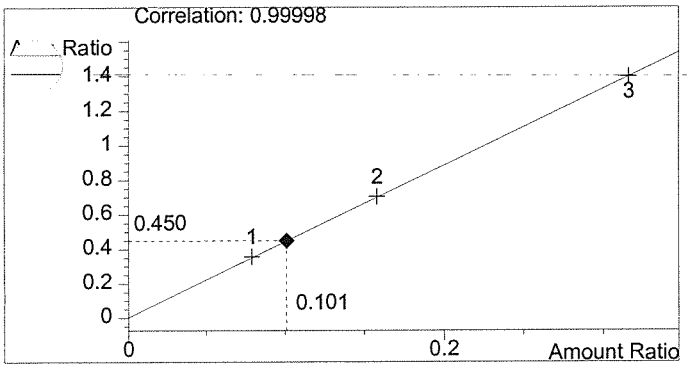
Sim. Sol. 02009
Estuardo J. Miranda

vial # 16

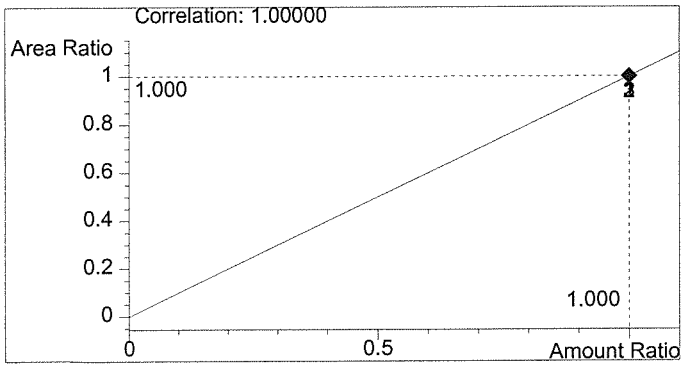


#	Compound	Area	RT
1	Ethanol	1502	1.056
2	n-Propanol	3339	1.846

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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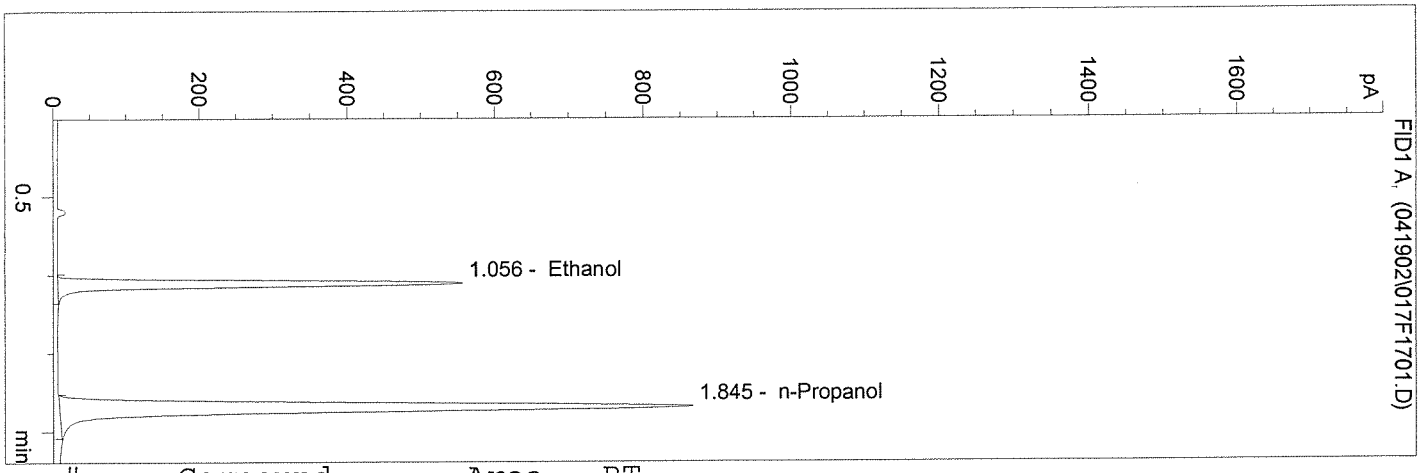
Instrument 2
BLDALC1

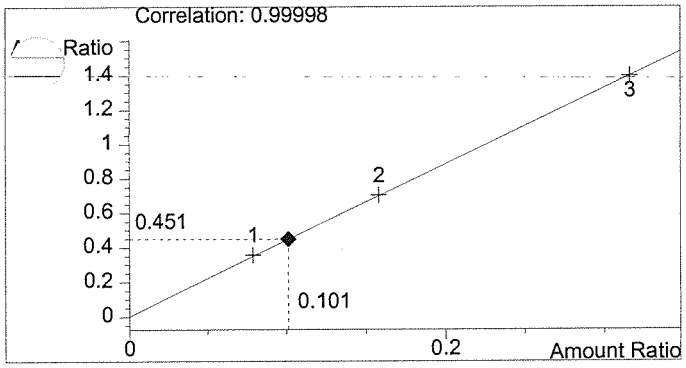
Sim. Sol. 02009
Estuardo J. Miranda

vial # 17

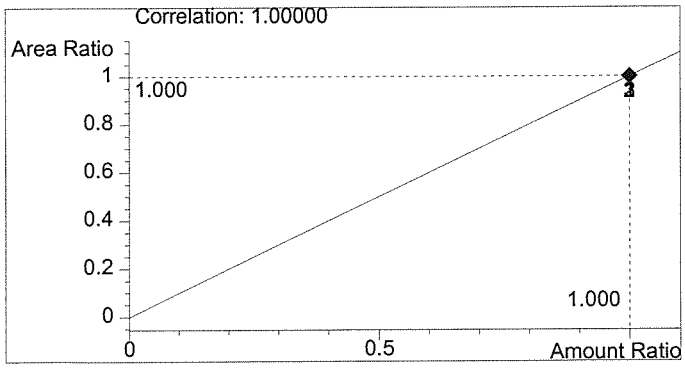


#	Compound	Area	RT
1	Ethanol	1520	1.056
2	n-Propanol	3372	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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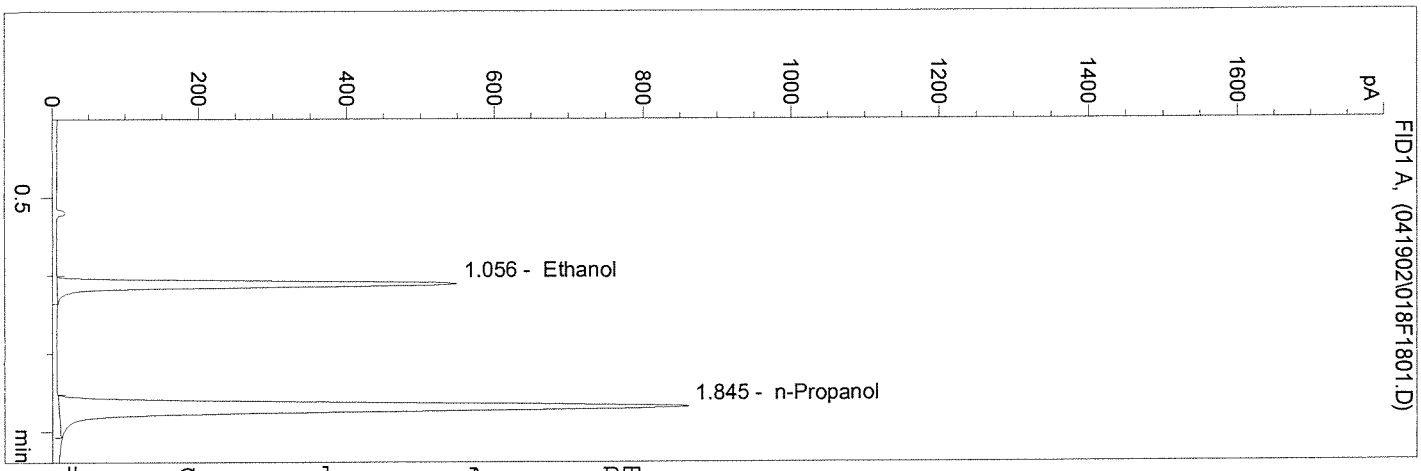
4/19/02 10:28:30 AM
Instrument 2
BLDALC1

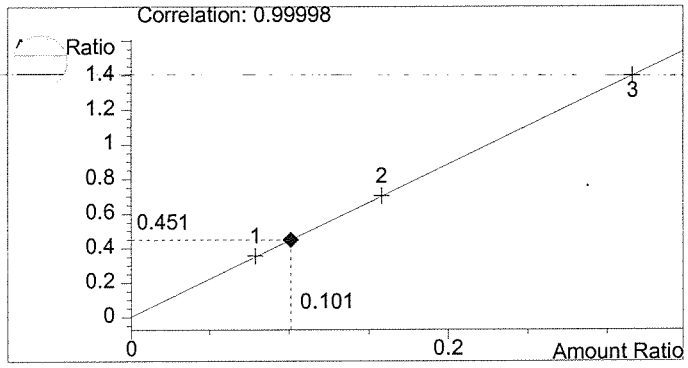
Sim. Sol. 02009
Estuardo J. Miranda

vial # 18

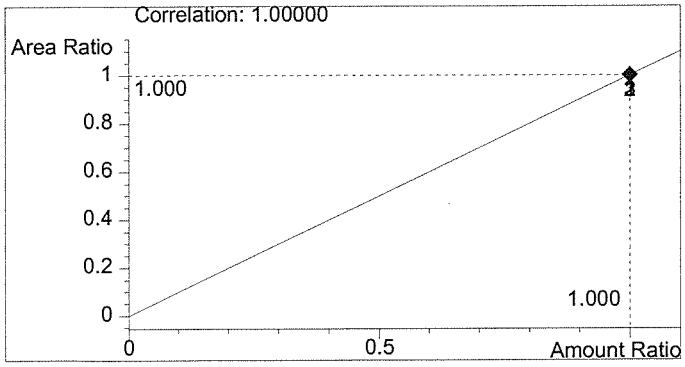


#	Compound	Area	RT
1	Ethanol	1506	1.056
2	n-Propanol	3340	1.845

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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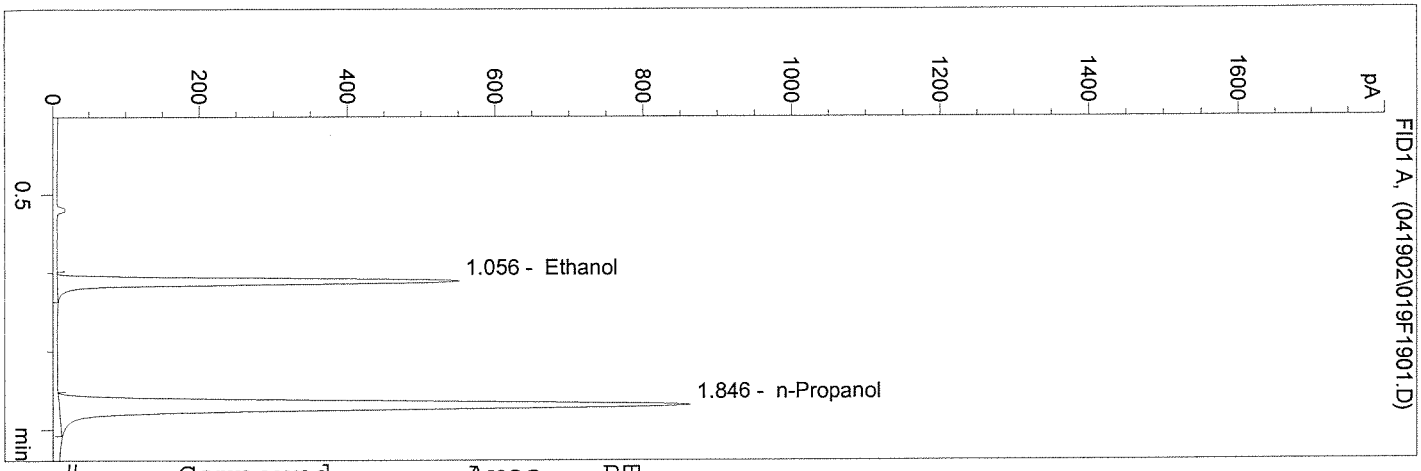
4/19/02 10:31:33 AM
Instrument 2
BLDALC1

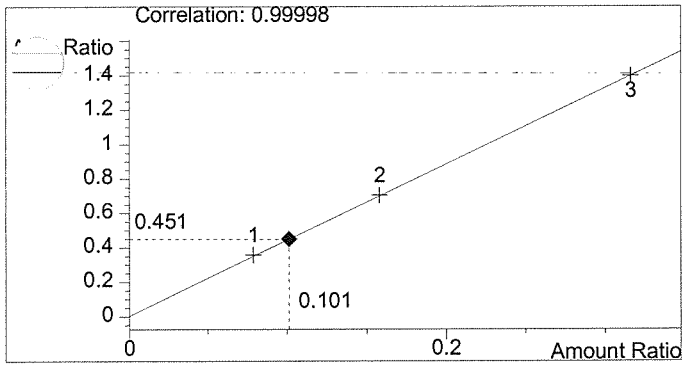
Sim. Sol. 02009
Estuardo J. Miranda

vial # 19

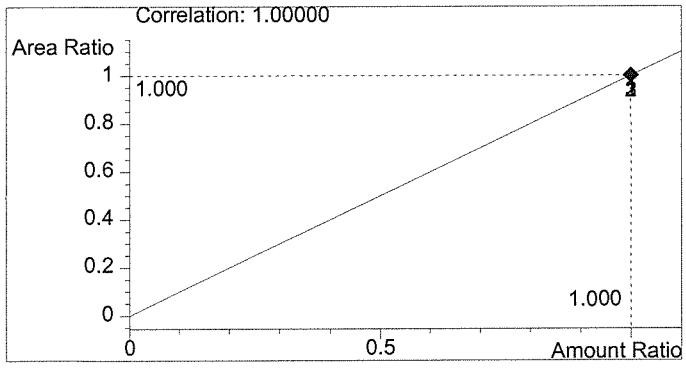


#	Compound	Area	RT
1	Ethanol	1514	1.056
2	n-Propanol	3358	1.846

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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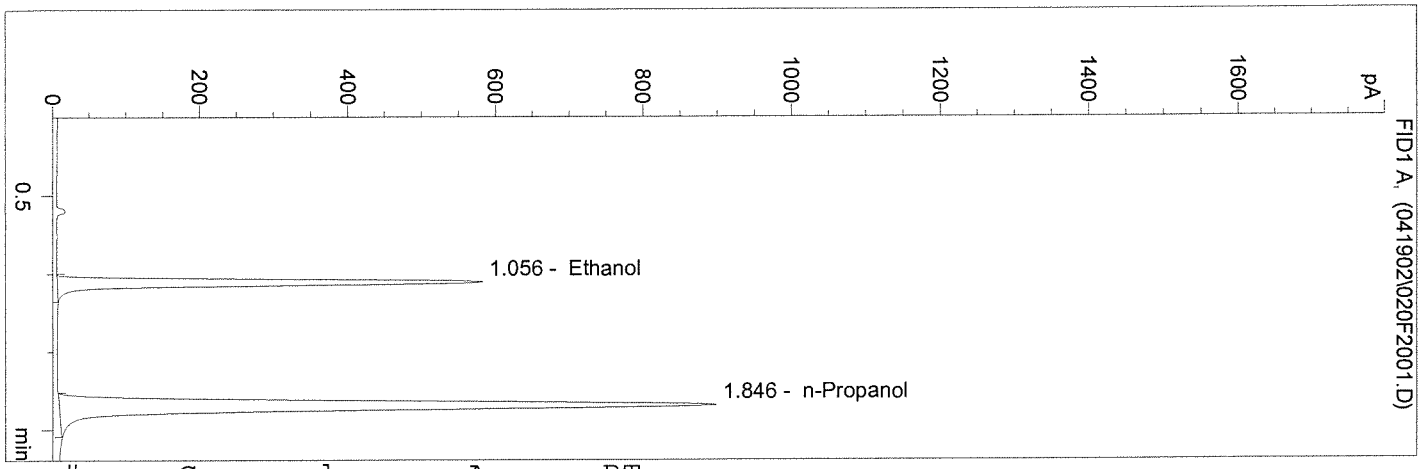
4/19/02 10:34:34 AM
Instrument 2
BLDALC1

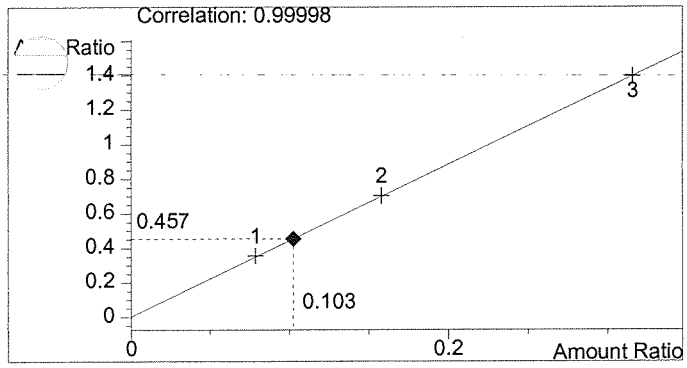
0.101 CAP
Estuardo J. Miranda

vial # 20

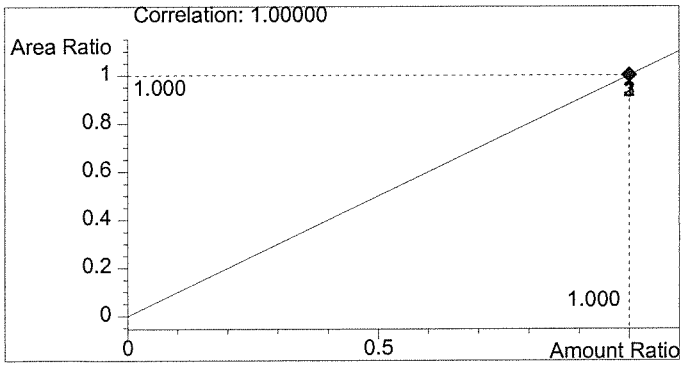


#	Compound	Area	RT
1	Ethanol	1592	1.056
2	n-Propanol	3486	1.846

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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4/19/02 10:37:45 AM
Instrument 2
L ALC1

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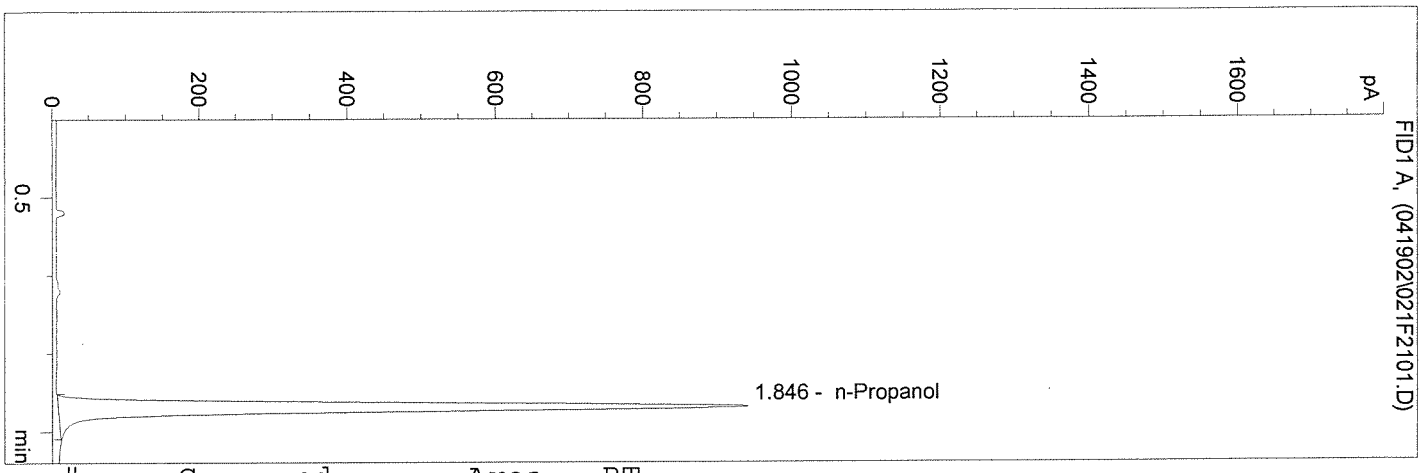
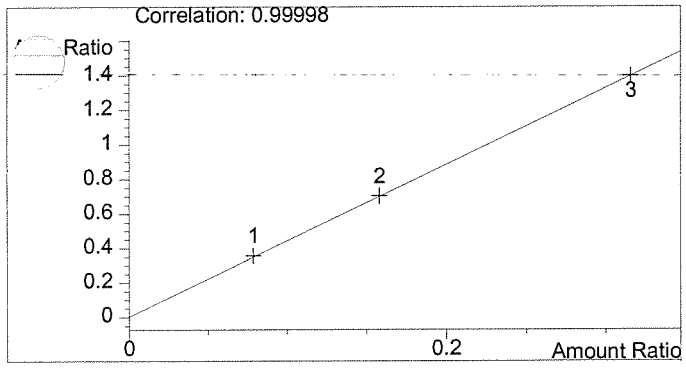
Estuardo J. Miranda

vial # 21

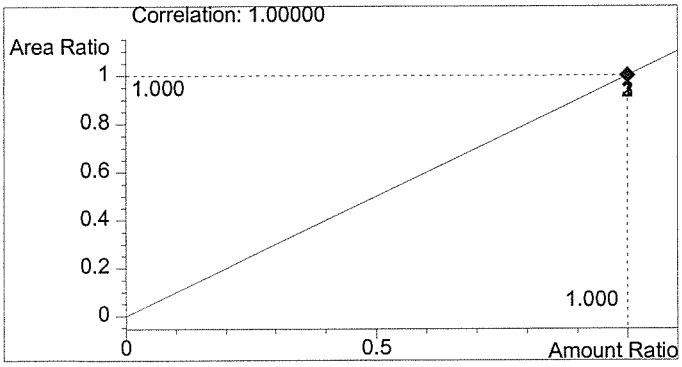


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3657	1.846

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

STANDARDS & CONTROLS UNDER 02008

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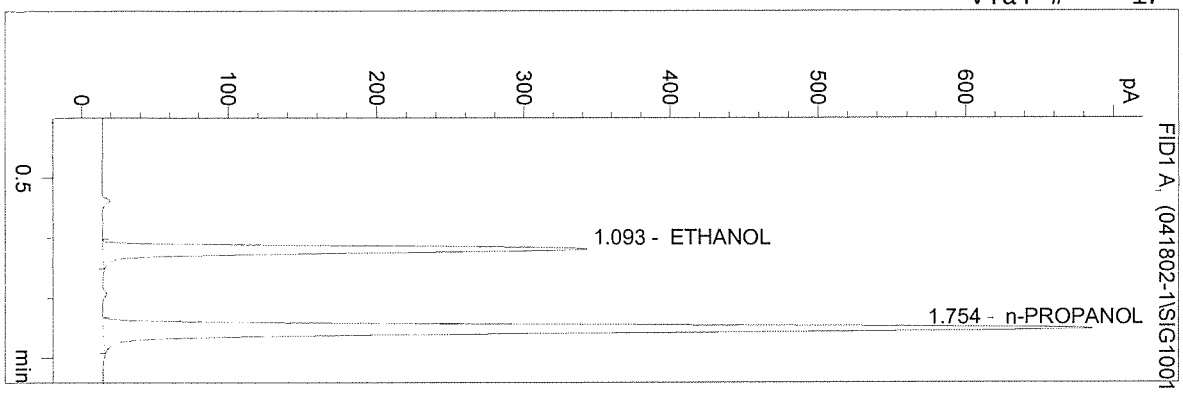
Instrument 3
DB-ALC1

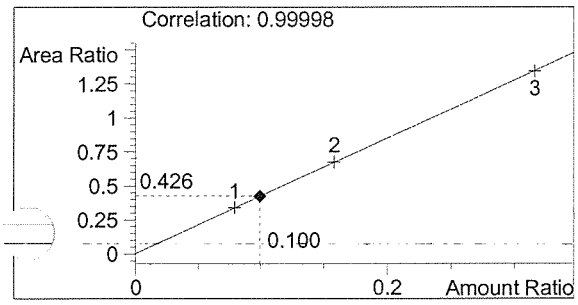
SIM 02009-1
ANN MARIE GORDON

vial # 17

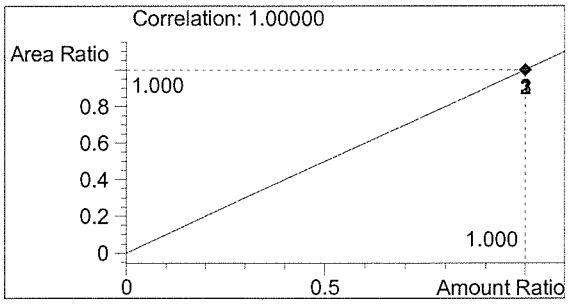


#	Compound	Area	RT
1	ETHANOL	1325	1.093
2	n-PROPANOL	3107	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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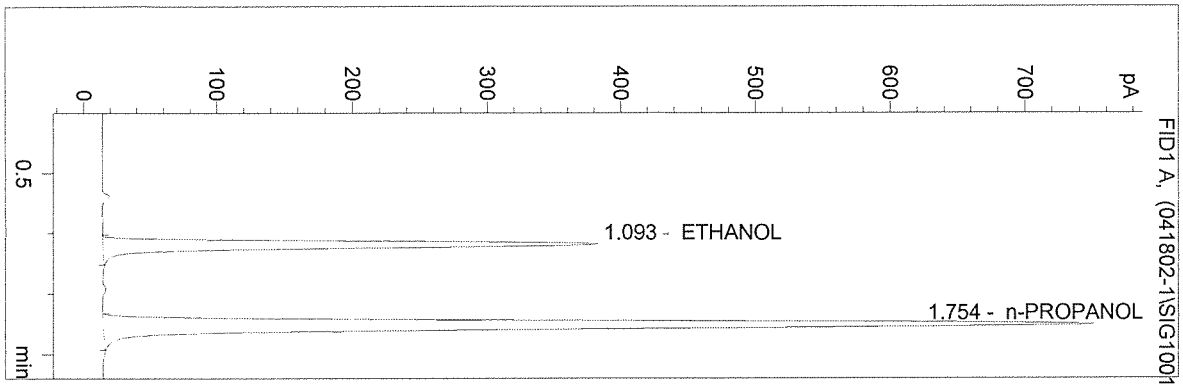
Instrument 3
DB-ALC1

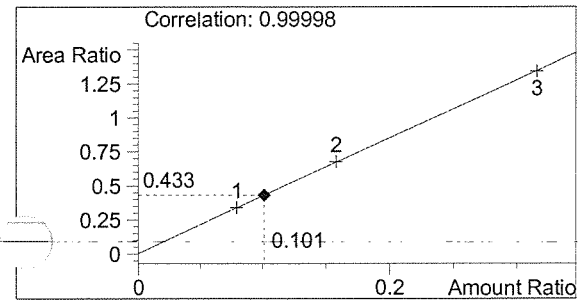
SIM 02009-2
ANN MARIE GORDON

vial # 18

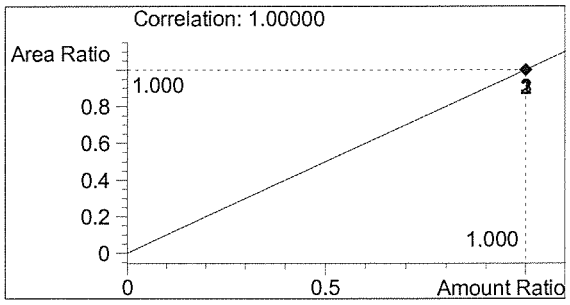


#	Compound	Area	RT
1	ETHANOL	1448	1.093
2	n-PROPANOL	3344	1.754

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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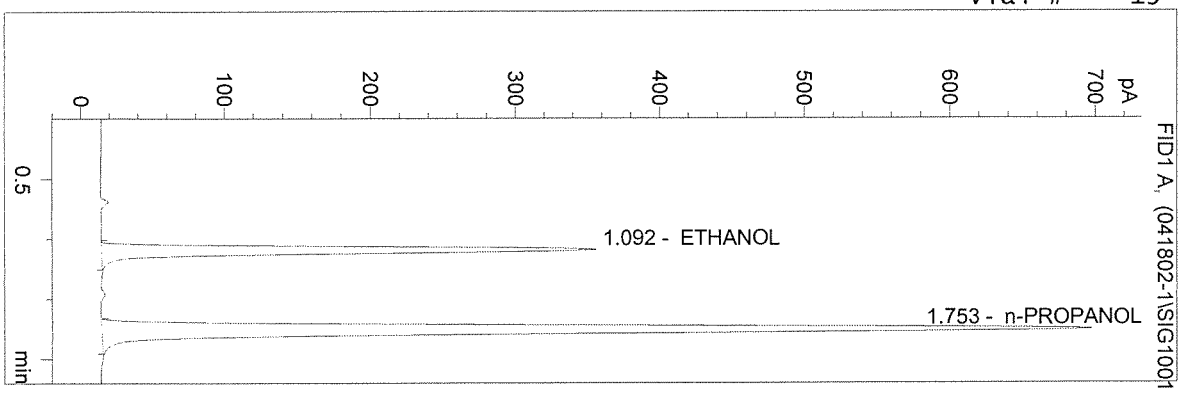
Instrument 3
DB-ALC1

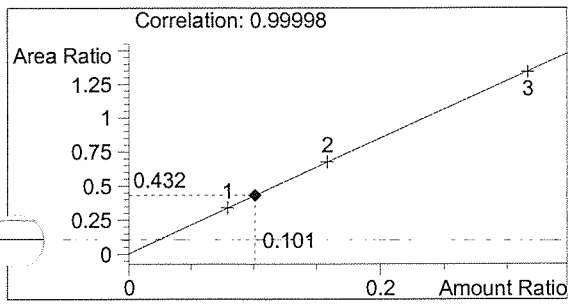
SIM 02009-3
ANN MARIE GORDON

vial # 19

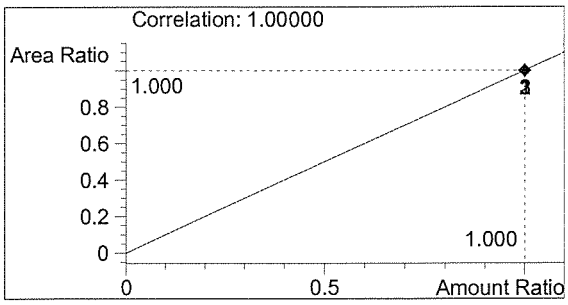


#	Compound	Area	RT
1	ETHANOL	1344	1.092
2	n-PROPANOL	3107	1.753

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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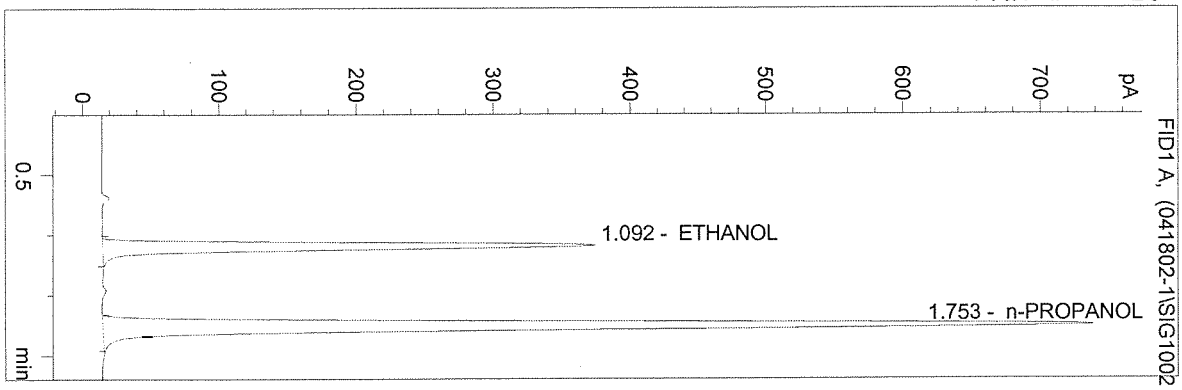
Instrument 3
DB-ALC1

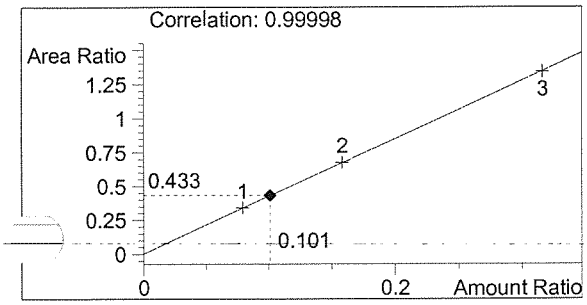
SIM 02009-4
ANN MARIE GORDON

vial # 20

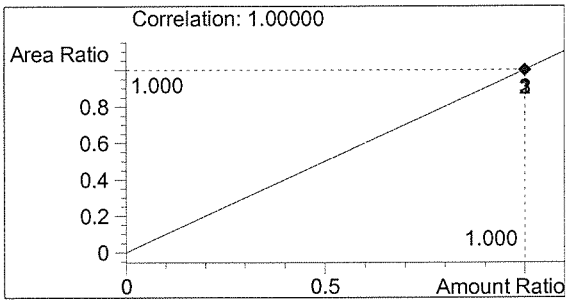


#	Compound	Area	RT
1	ETHANOL	1443	1.092
2	n-PROPANOL	3336	1.753

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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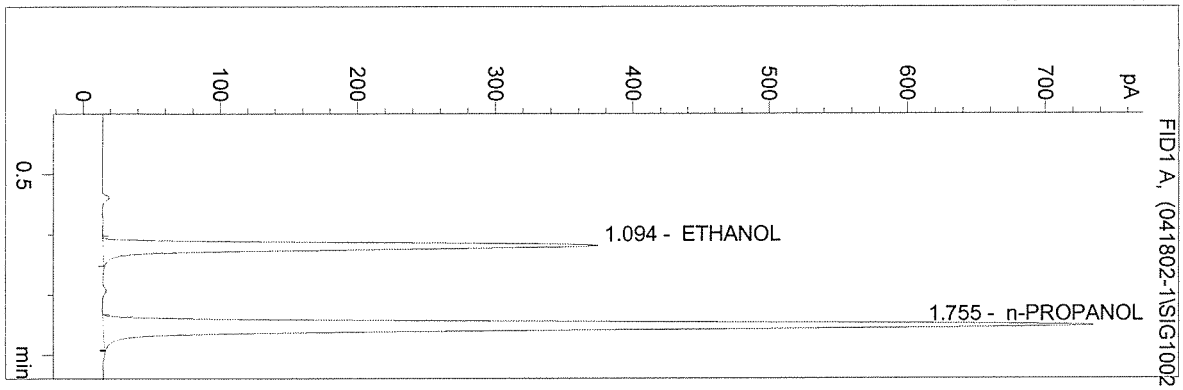
Instrument 3
DB-ALC1

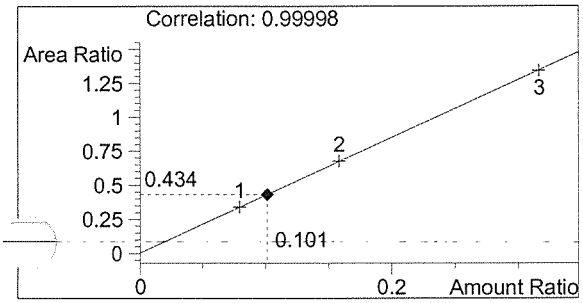
SIM 02009-5
ANN MARIE GORDON

vial # 21

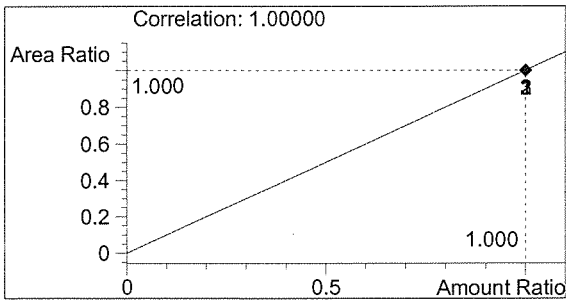


#	Compound	Area	RT
1	ETHANOL	1426	1.094
2	n-PROPANOL	3287	1.755

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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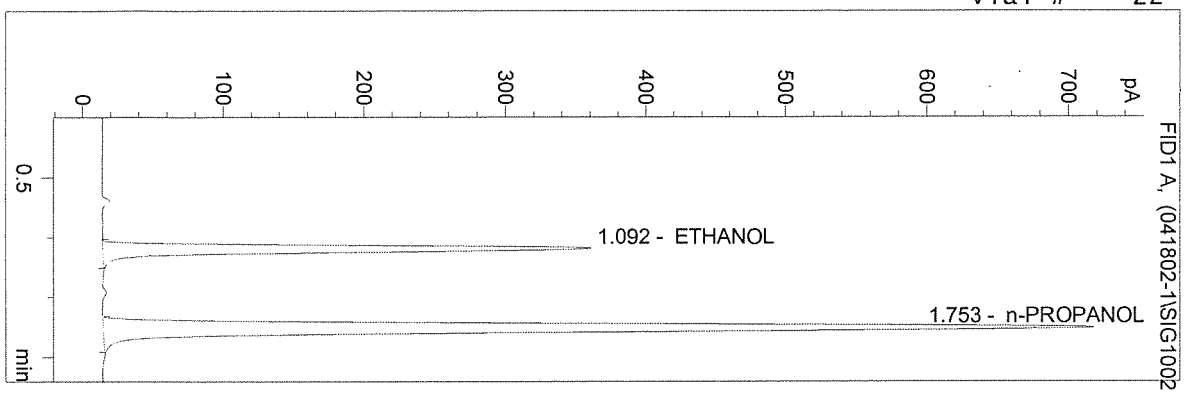
Instrument 3
DB-ALC1

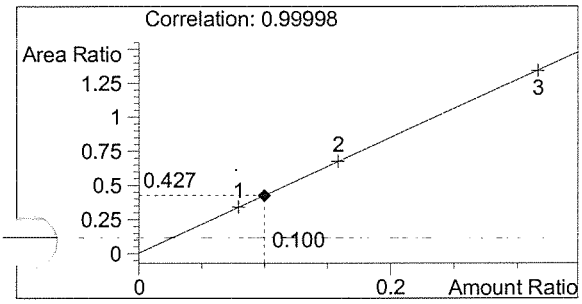
0.101 CRL
ANN MARIE GORDON

vial # 22

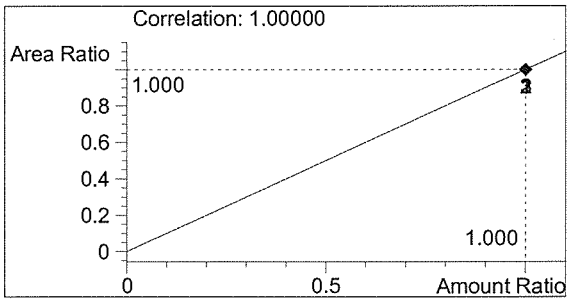


#	Compound	Area	RT
1	ETHANOL	1372	1.092
2	n-PROPANOL	3211	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
DB-ALC1

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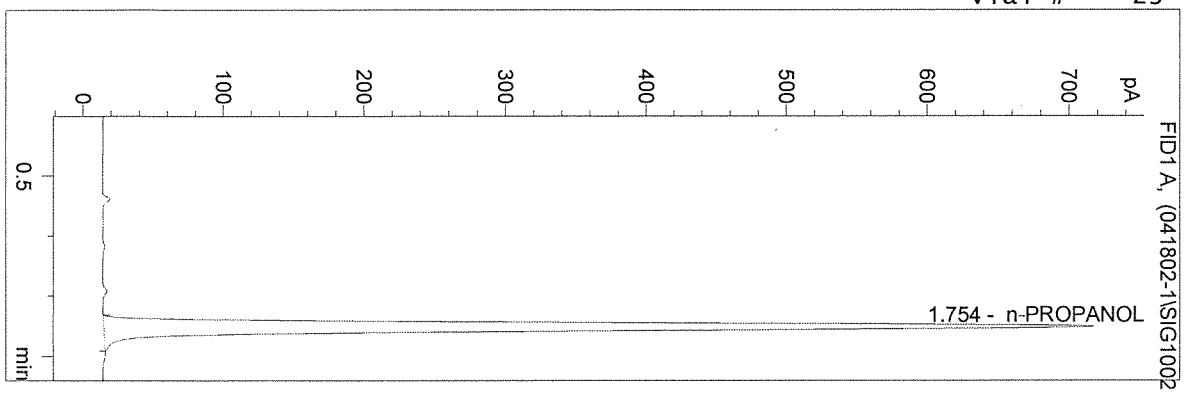
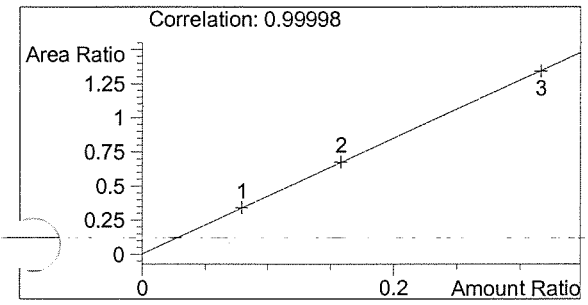
ANN MARIE GORDON

vial # 23

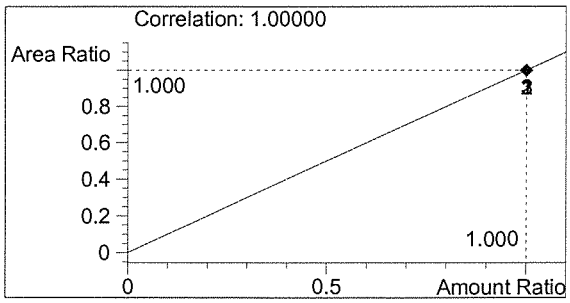


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3202	1.754

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L