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 **02008** Date: 4/8/2002

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	0.100	0.100	0.102	0.101	0.100	0.098	0.100	0.099	0.100			
2	0.100	0.101	0.102	0.101	0.101	0.099	0.099	0.101	0.100			
3	0.101	0.101	0.101	0.101	0.101	0.099	0.099	0.100	0.100			
4	0.101	0.101	0.101	0.100	0.101	0.098	0.098	0.101	0.097			
5	0.101	0.101	0.100	0.101	0.100	0.099	0.099	0.100	0.100			
Ctrl	0.101	0.101	0.102	0.101	0.101	0.099	0.100	0.102	0.101			

CAP Control:

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

Target concentration: 0.101 g/100mL

Statistics:

Avg. solution concent.: 0.1001 g/100 mL

SD: 0.00111

Range (3xSD): 0.0968 to 0.1035

Precision CV (%): 1.1106 %

Equivalent vapor concent.: 0.0814 g/210L

Analyst	Name	Signature	Date
1	Naziha Nuwayhid, PhD		04/08/02
2	Estuardo J. Miranda		04/10/02
3	Ruth Luthi		04/11/02
4	William P Marshall		04/15/02
5	Melissa Pemberton		04/16/02
6	Eugene Schwilke		04/17/02
7	Egle Weiss		04/17/02
8	Edward Formoso		04/18/02
9	Ann Marie Gordon		04/19/02
10			
11			
12			

Prepared by: Naziha Nuwayhid, PhD according to the approved protocol

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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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/nf
EMSIMSOL

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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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/nf
EFSIMSOL

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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 02008, was prepared in the Washington State Toxicology Laboratory on 4/8/02. 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 4/8/03.

Dated: 4/22/02
Seattle, WA

Ann Marie Gordon
Laboratory Manager

AMG/nf
AGSIMSOL

WASHINGTON STATE TOXICOLOGY LABORATORY

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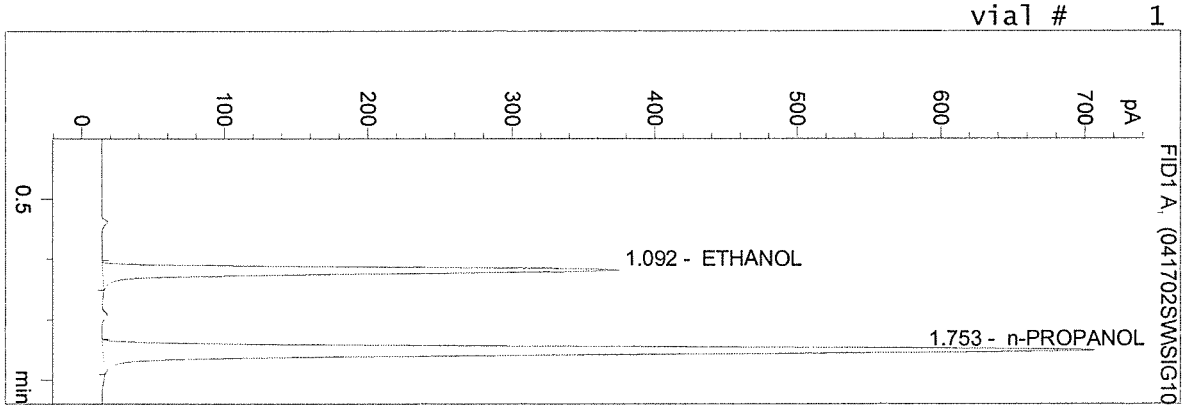
Instrument 3
DB-ALC1

SIM.SOL .02008
EGLE WEISS

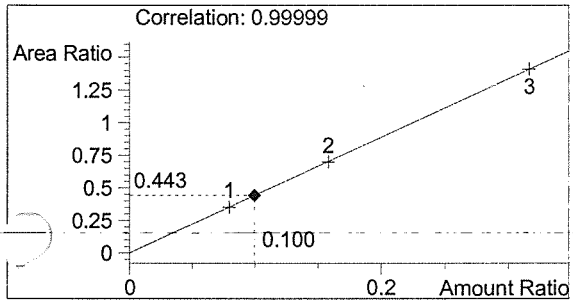
Cal in GS
2008

vial # 1

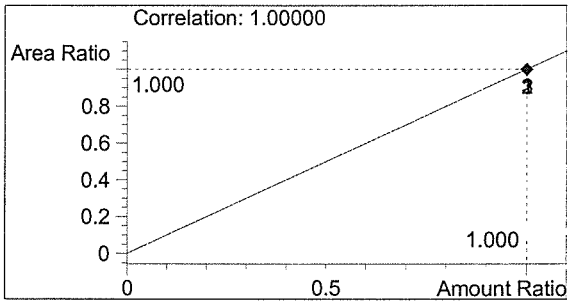


#	Compound	Area	RT
1	ETHANOL	1379	1.092
2	n-PROPANOL	3116	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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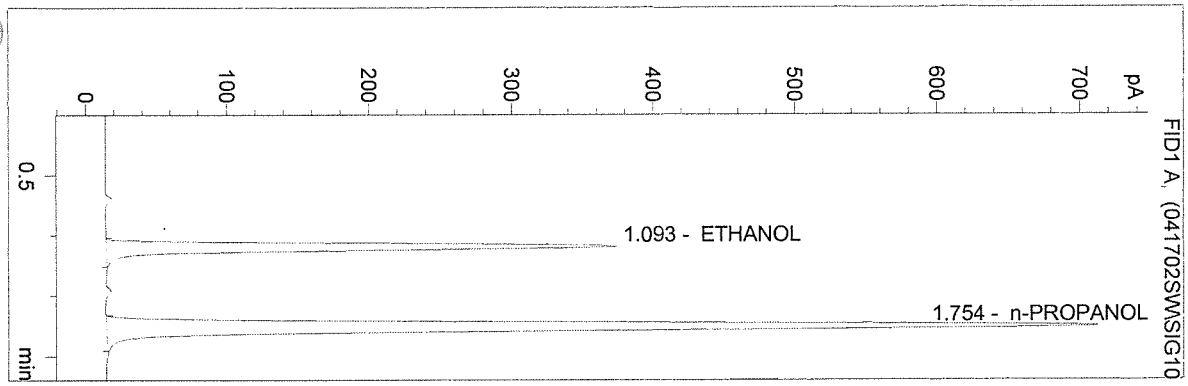
Instrument 3
DB-ALC1

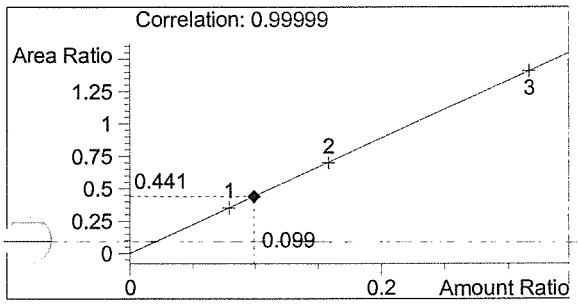
SIM.SOL.02008
EGLE WEISS

vial # 2

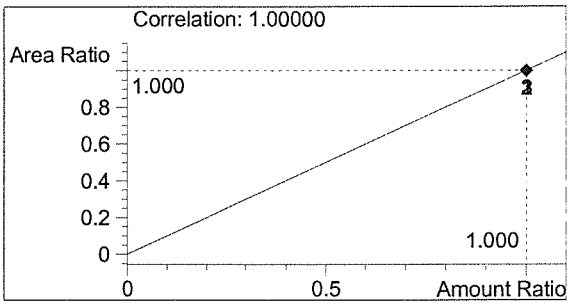


#	Compound	Area	RT
1	ETHANOL	1386	1.093
2	n-PROPANOL	3141	1.754

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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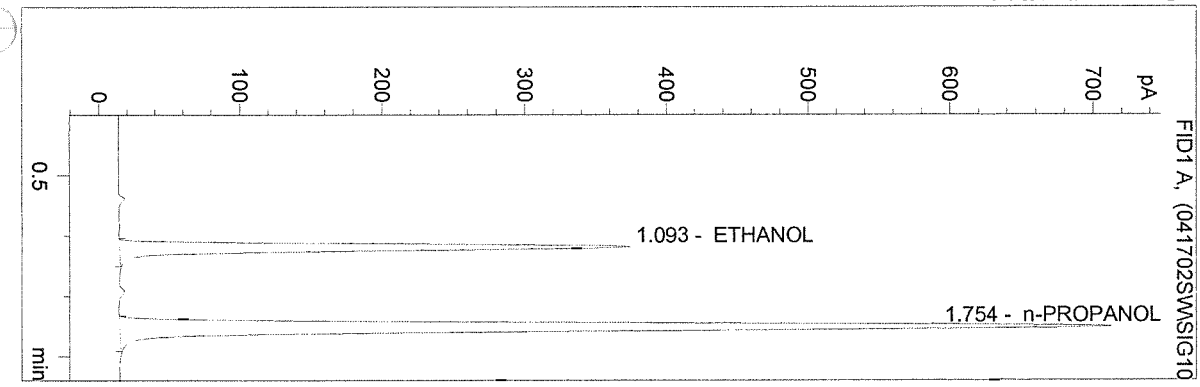
Instrument 3
DB-ALC1

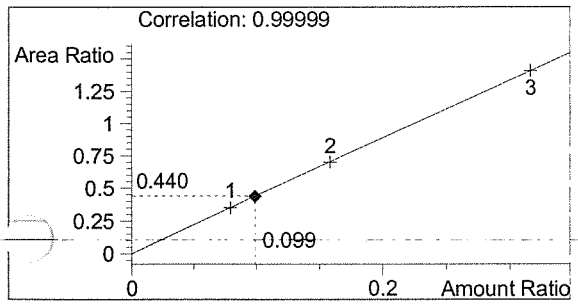
SIM.SOL 02008
EGLE WEISS

vial # 3

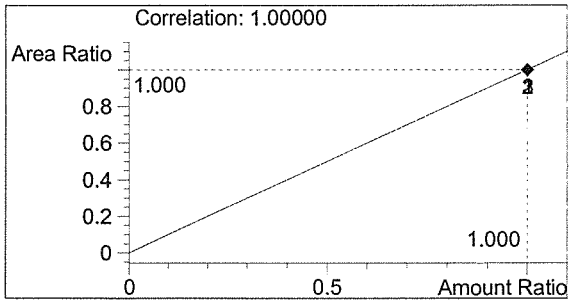


#	Compound	Area	RT
1	ETHANOL	1385	1.093
2	n-PROPANOL	3150	1.754

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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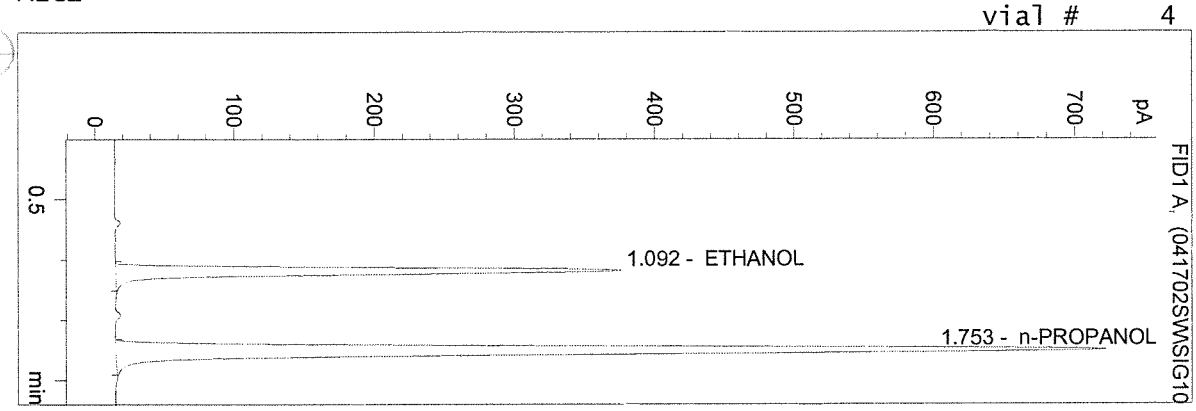
Instrument 3
DB-ALC1

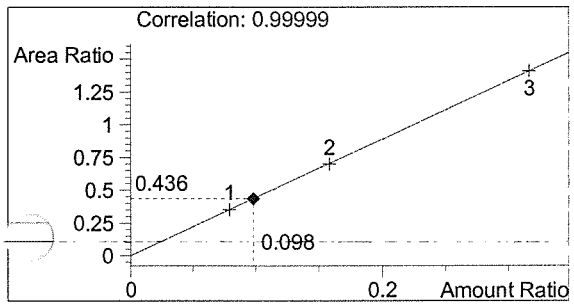
SIM.SOL. 02008
EGLE WEISS

vial # 4

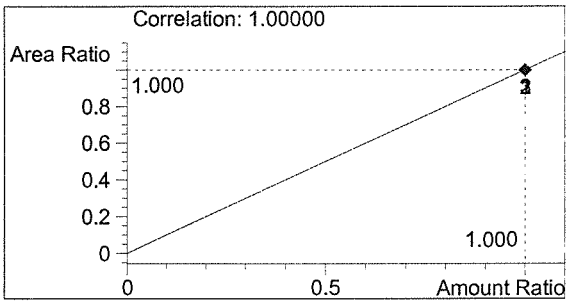


#	Compound	Area	RT
1	ETHANOL	1387	1.092
2	n-PROPANOL	3176	1.753

Totals:



ETHANOL 0.098 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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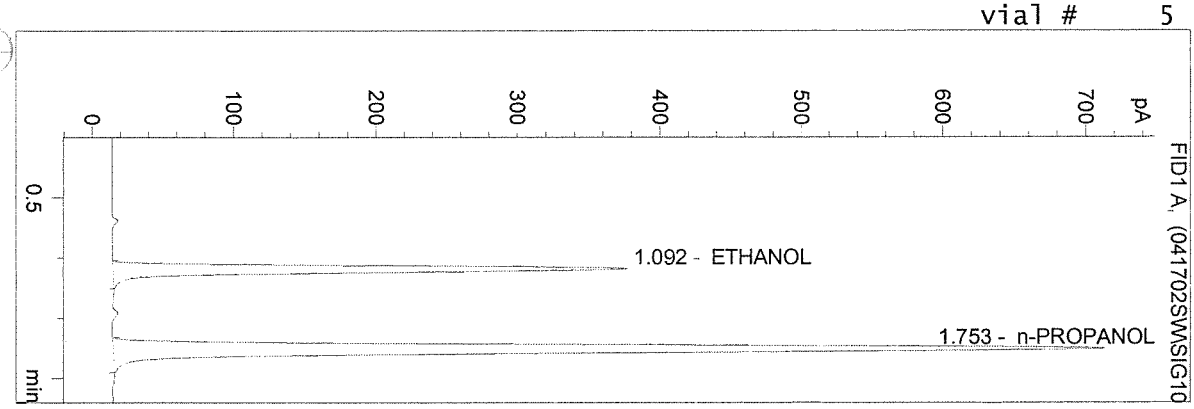
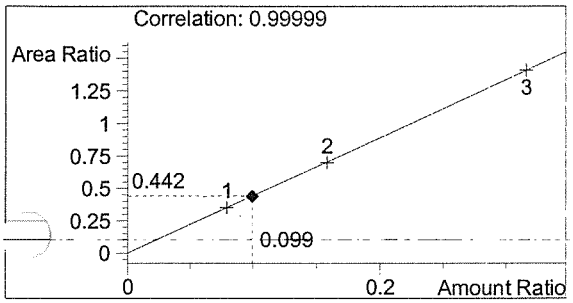
SIM.SOL. 02008
EGLE WEISS

vial # 5

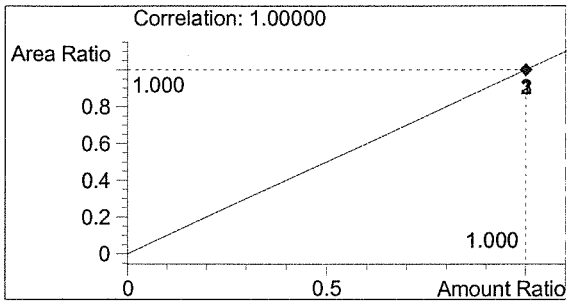


#	Compound	Area	RT
1	ETHANOL	1380	1.092
2	n-PROPANOL	3122	1.753

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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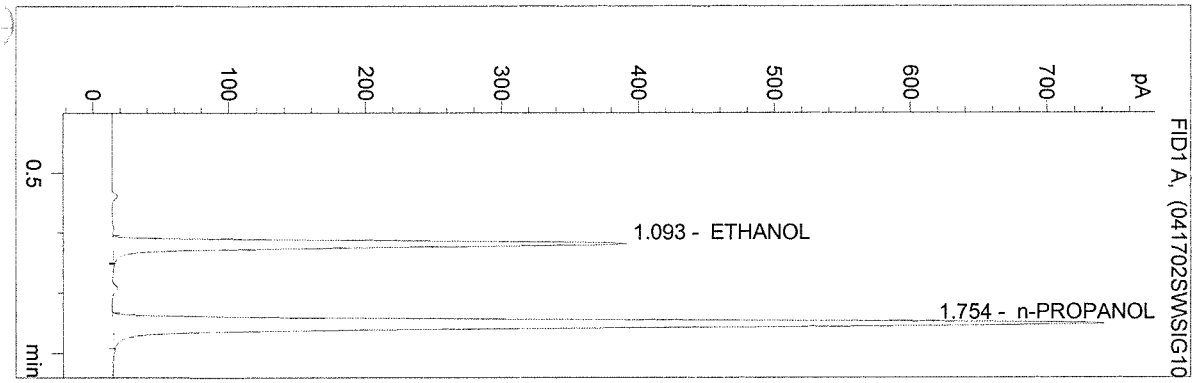
Instrument 3
DB-ALC1

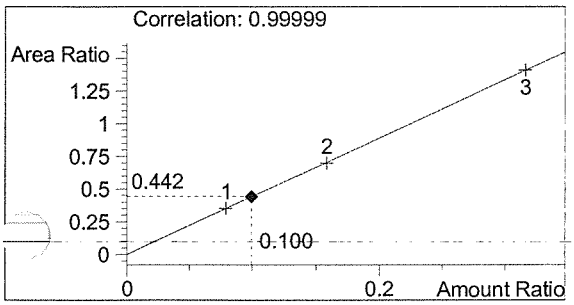
0.101 CONTROL
EGLE WEISS

vial # 6

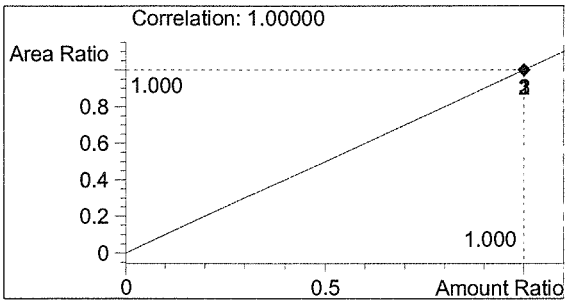


#	Compound	Area	RT
1	ETHANOL	1453	1.093
2	n-PROPANOL	3285	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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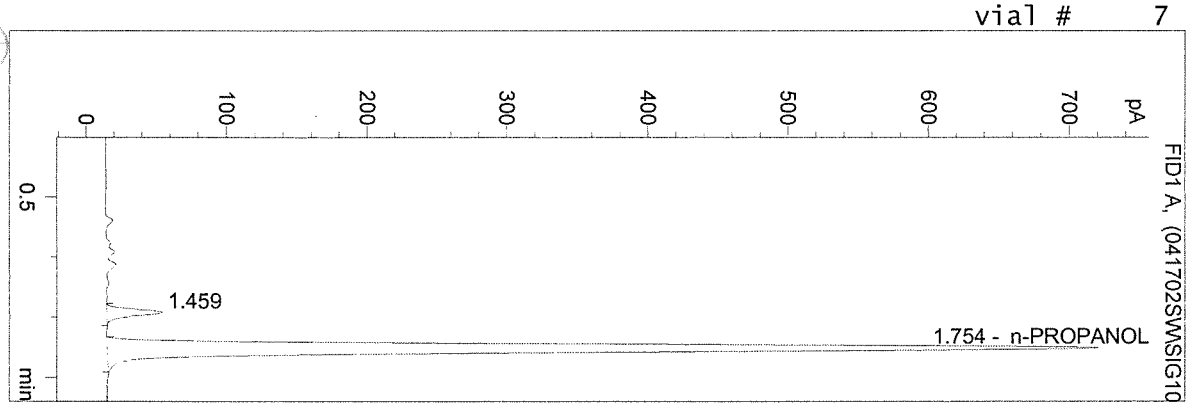
Instrument 3
DB-ALC1

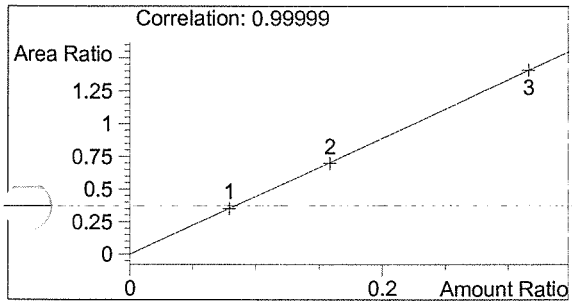
BLK
EGLE WEISS

vial # 7

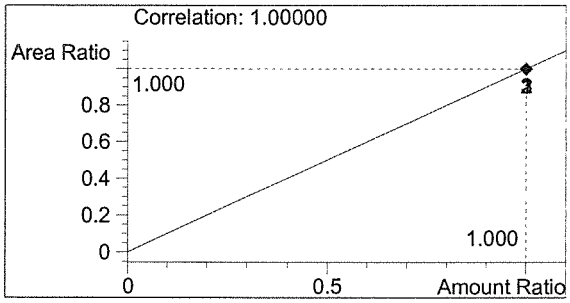


#	Compound	Area	RT
1	ETHANOL	0	0.000
2		152	1.459
3	n-PROPANOL	3160	1.754

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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02008

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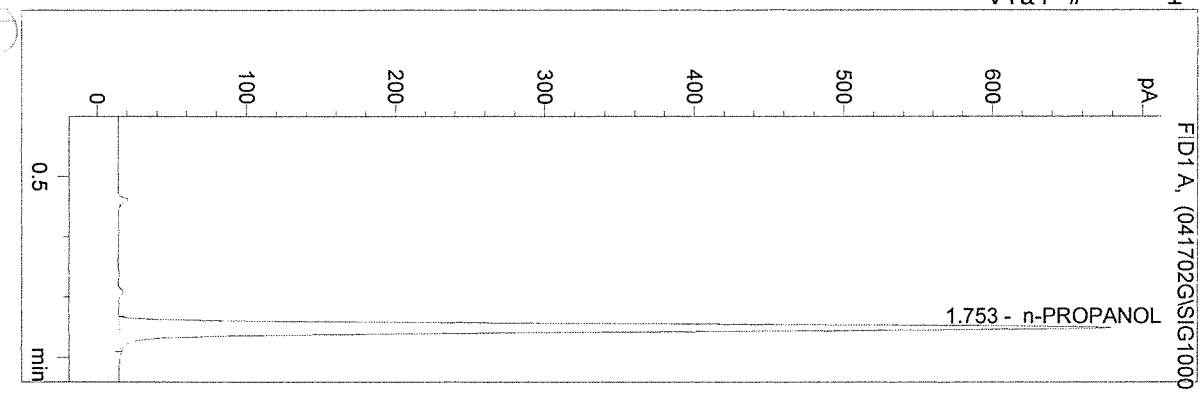
Instrument 3
DB-ALC1

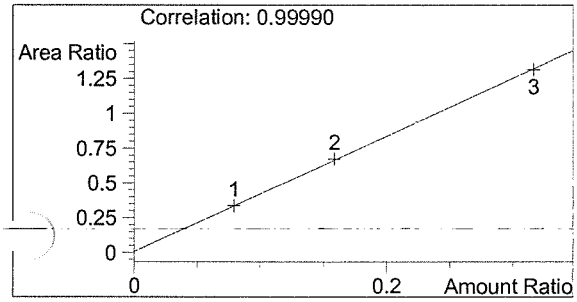
BLANK
GENE SCHWILKE

vial # 1

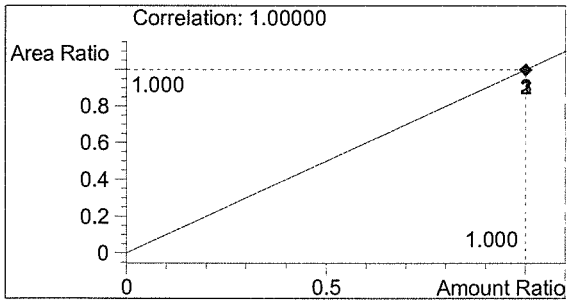


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3024	1.753

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

C:\HPCHEM\1\METHODS\BLDALCO3.M
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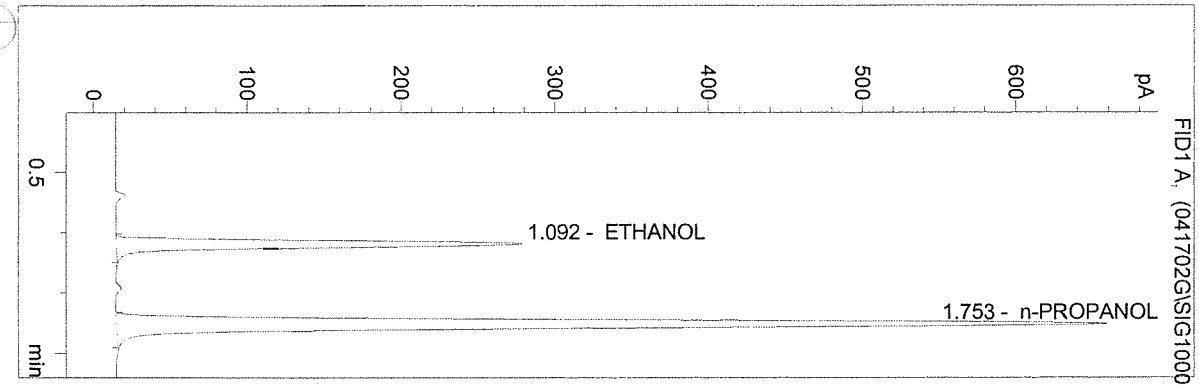
Instrument 3
DB-ALC1

0.079 CAL
GENE SCHWILKE

vial # 2



#	Compound	Area	RT
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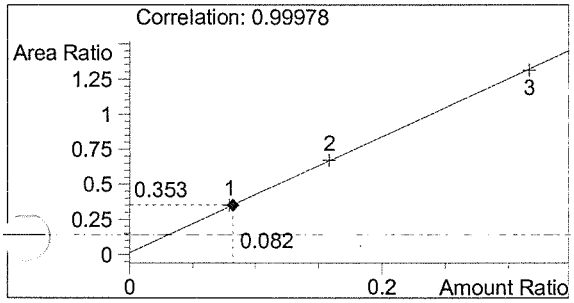
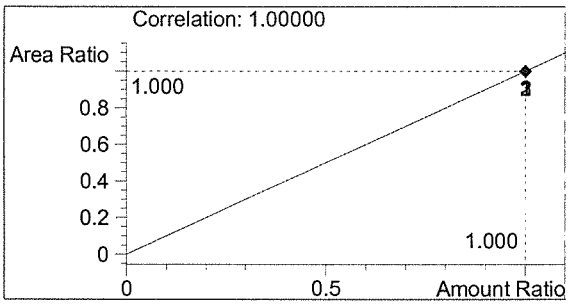
2	n-PROPANOL	2928	1.753

Totals:



ETHANOL 0.082 mg/L



n-PROPANOL 1.000 mg/L

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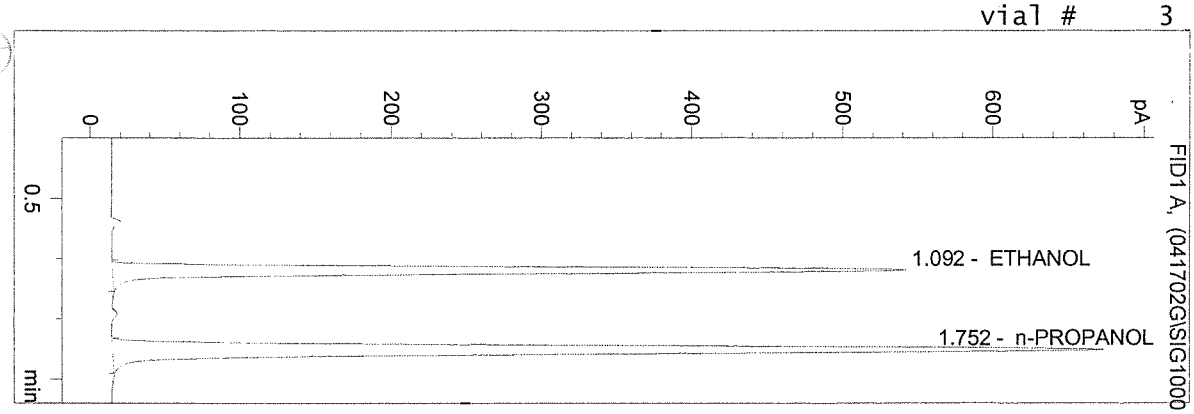
Instrument 3
DB-ALC1

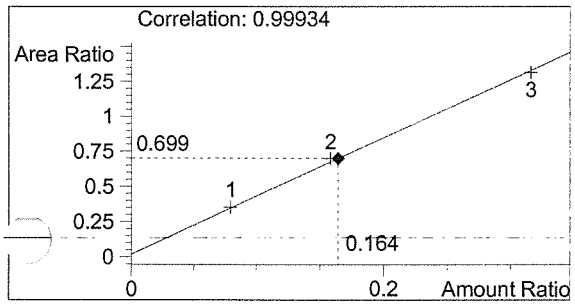
0.158 CAL
GENE SCHWILKE

vial # 3

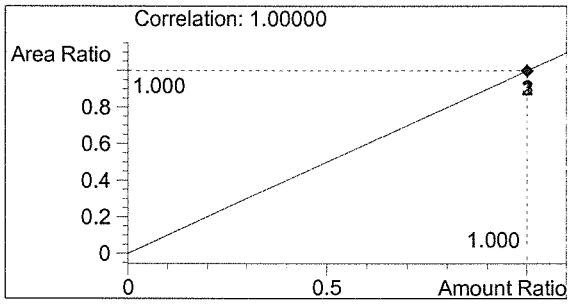


#	Compound	Area	RT
1	ETHANOL	2124	1.092
2	n-PROPANOL	3039	1.752

Totals:



ETHANOL 0.164 mg/L



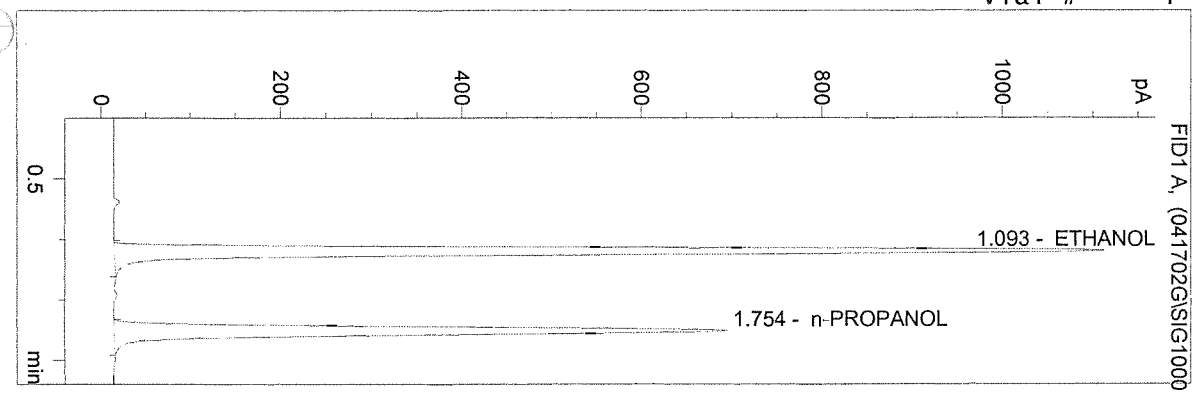
n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
4/17/02 10:28:57 AM
Instrument 3
DB-ALC1

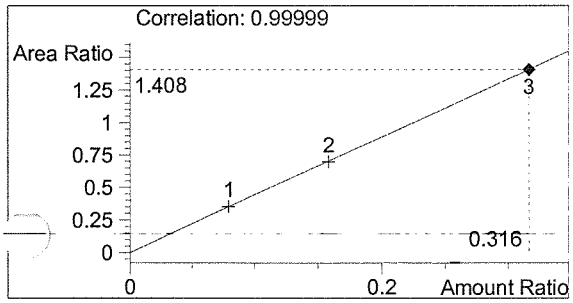
0.316 CAL
GENE SCHWILKE

vial # 4

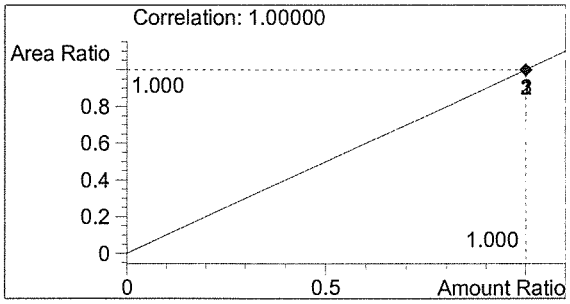


#	Compound	Area	RT
1	ETHANOL	4386	1.093
2	n-PROPANOL	3115	1.754

Totals:



ETHANOL 0.316 mg/L



n-PROPANOL 1.000 mg/L

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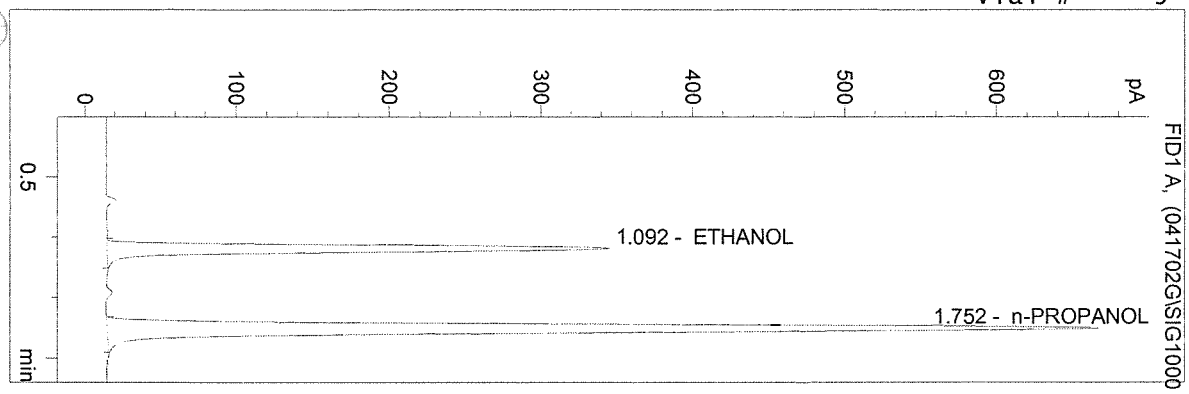
Instrument 3
DB-ALC1

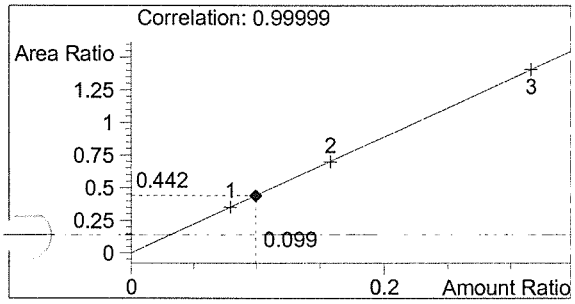
CAP 0.101
GENE SCHWILKE

vial # 5

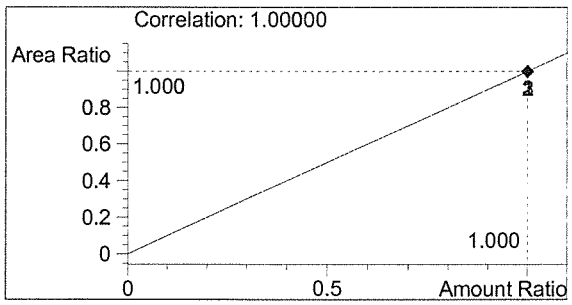


#	Compound	Area	RT
1	ETHANOL	1322	1.092
2	n-PROPANOL	2989	1.752

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

C:\HPCHEM\1\METHODS\BLDALCO3.M
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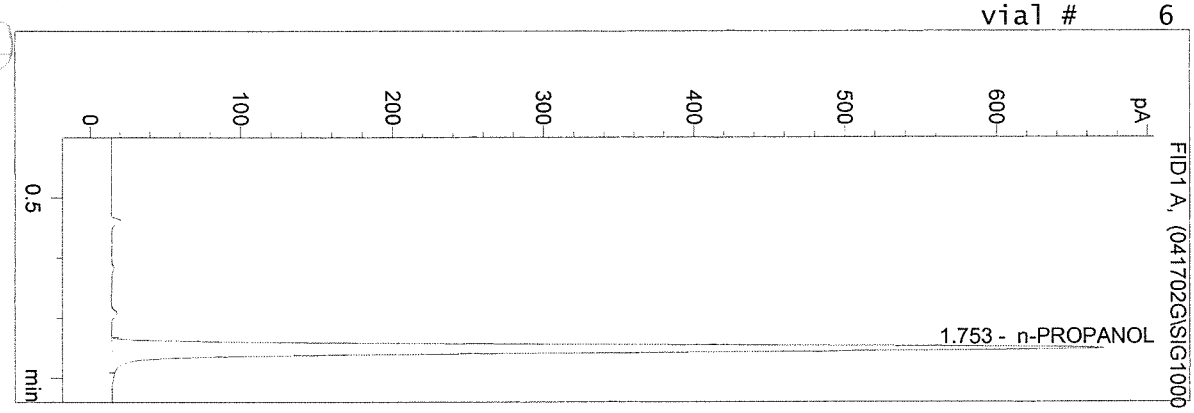
Instrument 3
DB-ALC1

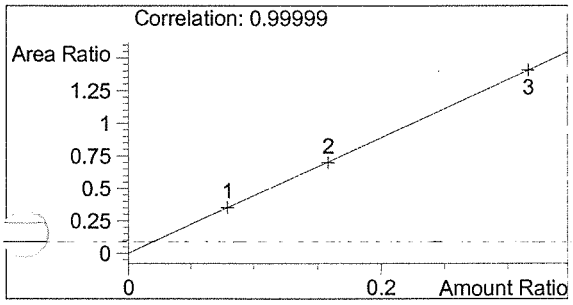
BLANK
GENE SCHWILKE

vial # 6

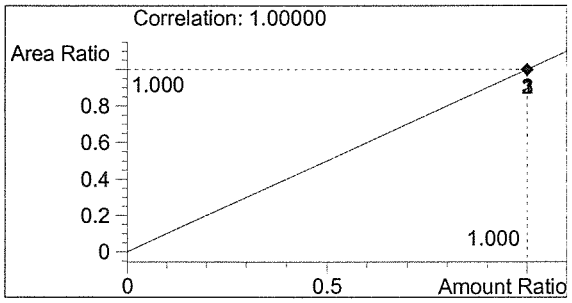


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2986	1.753

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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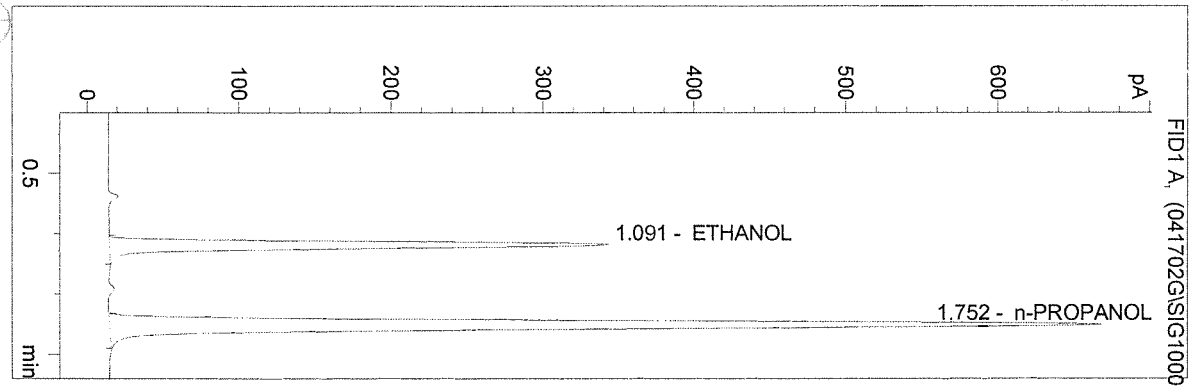
4/17/02 10:39:08 AM
Instrument 3
DB-ALC1

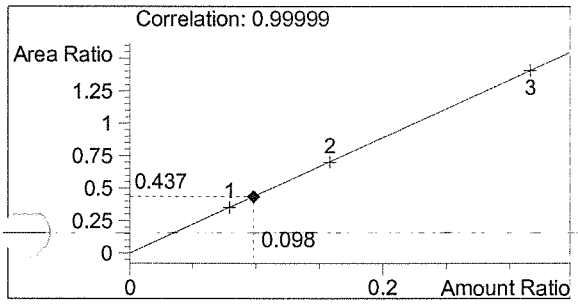
SS02008 0.08SOL
GENE SCHWILKE

vial # 7

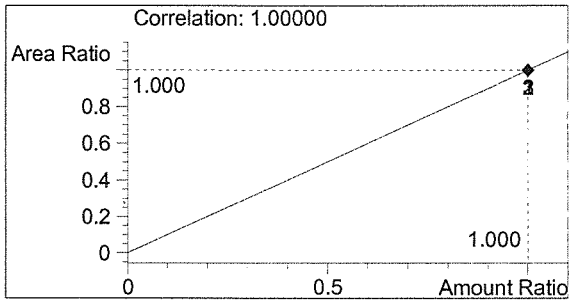


#	Compound	Area	RT
1	ETHANOL	1314	1.091
2	n-PROPANOL	3006	1.752

Totals:



ETHANOL 0.098 mg/L



n-PROPANOL 1.000 mg/L

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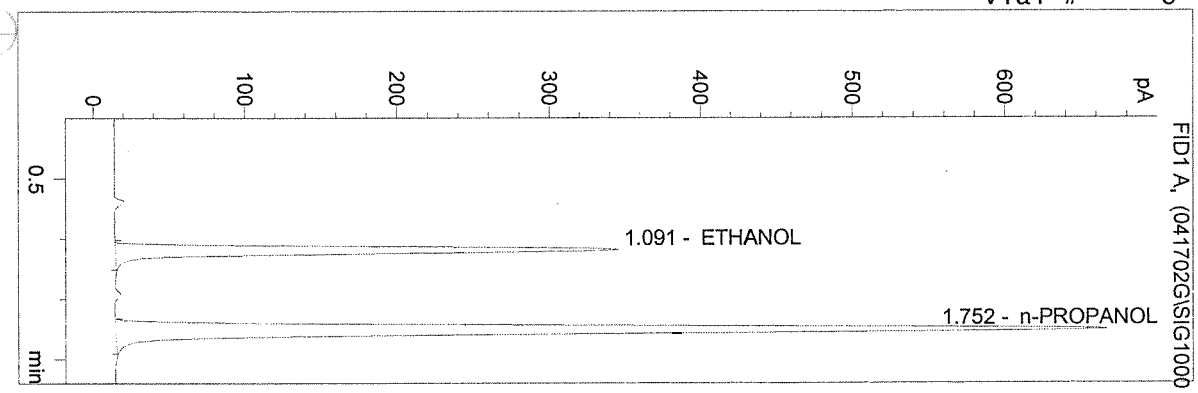
Instrument 3
DB-ALC1

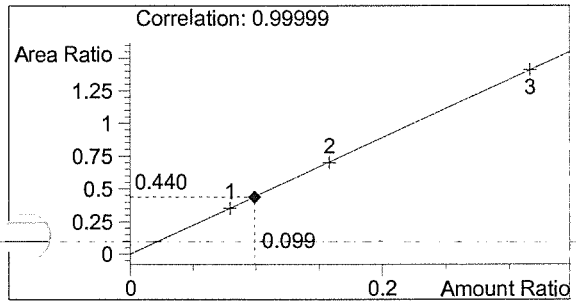
SS02008 0.08SOL
GENE SCHWILKE

vial # 8

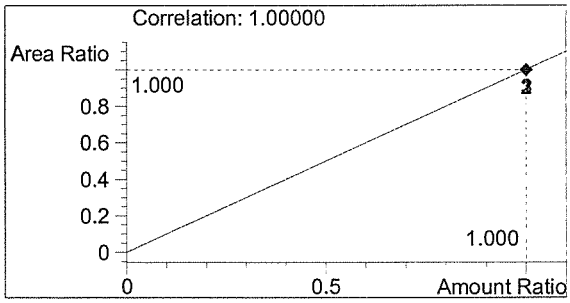


#	Compound	Area	RT
1	ETHANOL	1307	1.091
2	n-PROPANOL	2972	1.752

Totals:



ETHANOL 0.099 mg/L



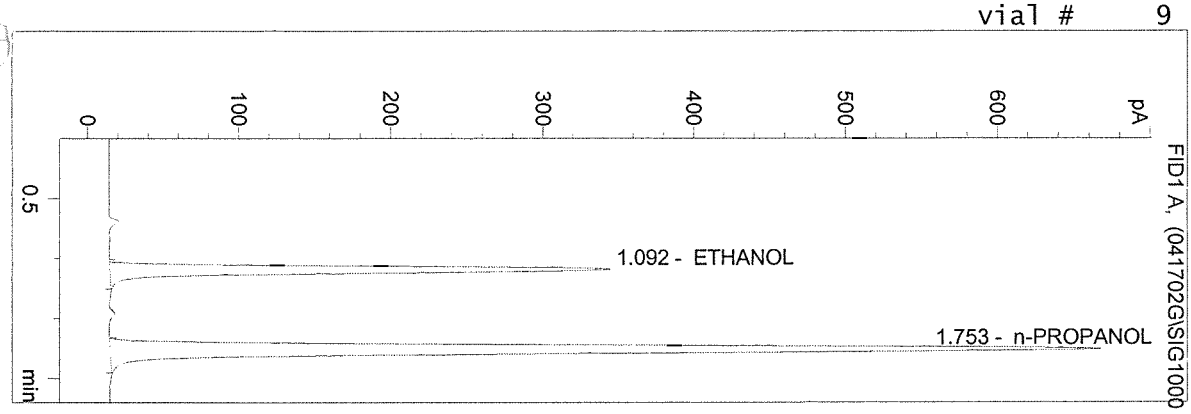
n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
4/17/02 10:45:54 AM
Instrument 3
DB-ALC1

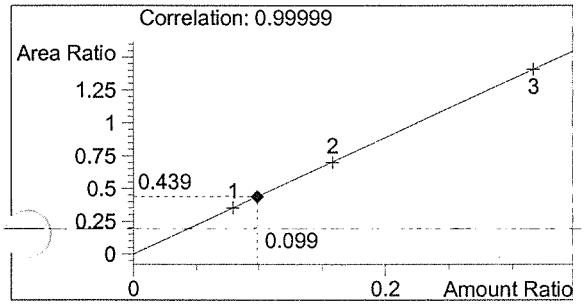
SS02008 0.08SOL
GENE SCHWILKE

vial # 9

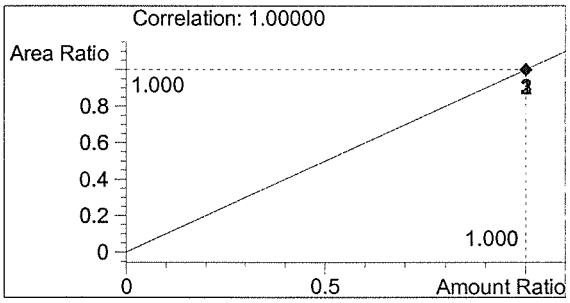


#	Compound	Area	RT
1	ETHANOL	1305	1.092
2	n-PROPANOL	2976	1.753

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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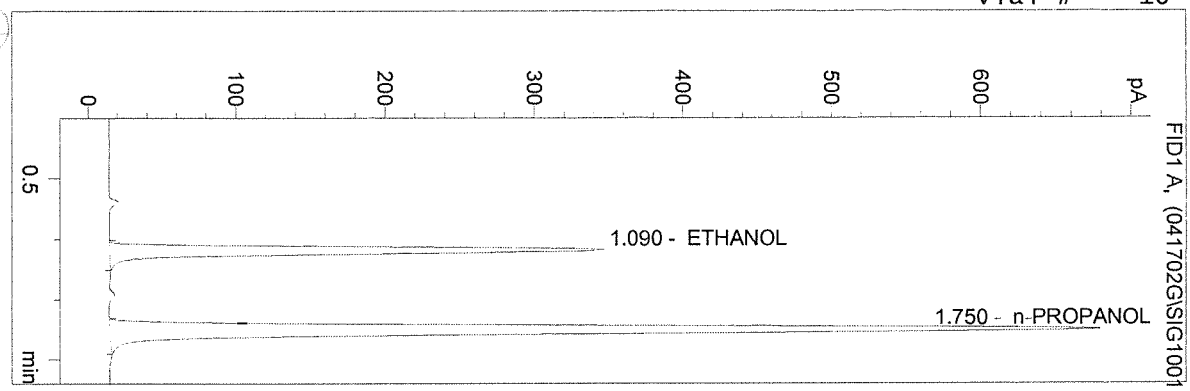
Instrument 3
DB-ALC1

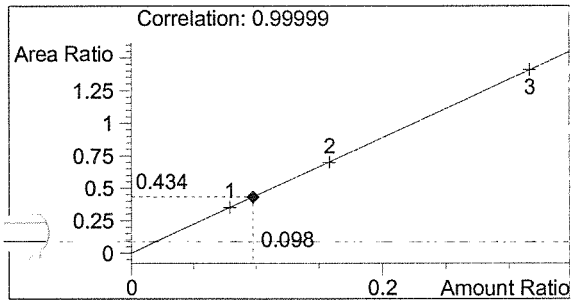
SS02008 0.08SOL
GENE SCHWILKE

vial # 10

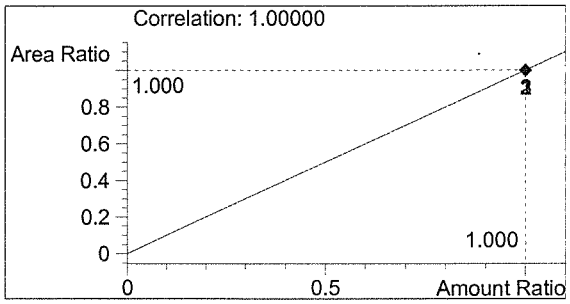


#	Compound	Area	RT
1	ETHANOL	1325	1.090
2	n-PROPANOL	3050	1.750

Totals:



ETHANOL 0.098 mg/L



n-PROPANOL 1.000 mg/L

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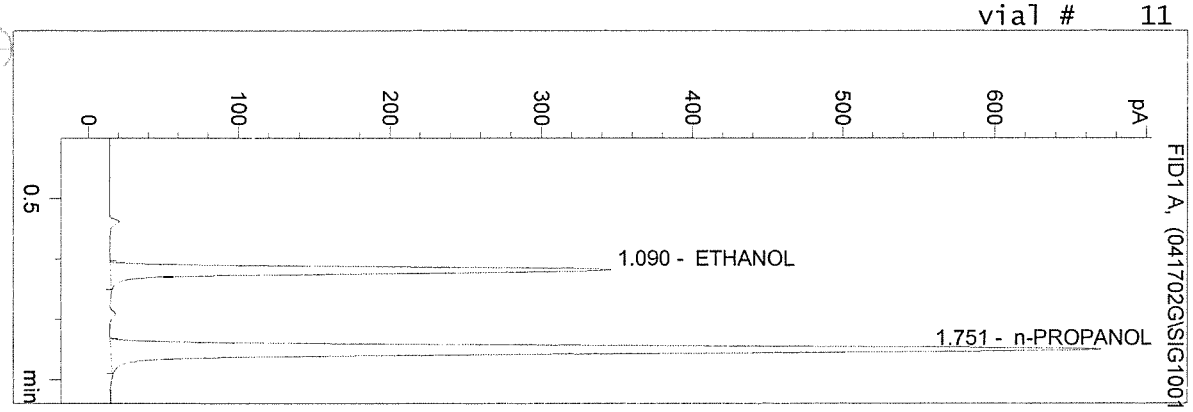
Instrument 3
DB-ALC1

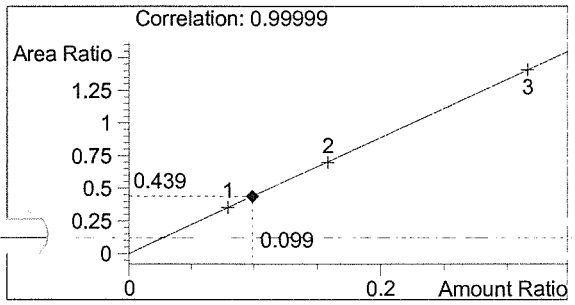
SS02008 0.08SOL
GENE SCHWILKE

vial # 11

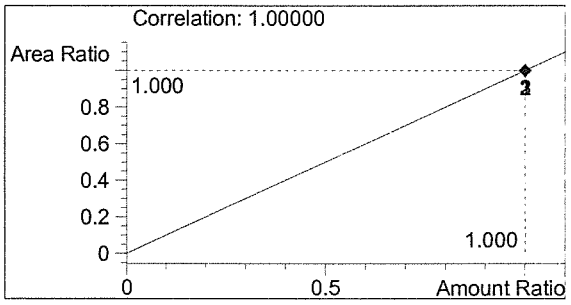


#	Compound	Area	RT
1	ETHANOL	1315	1.090
2	n-PROPANOL	2995	1.751

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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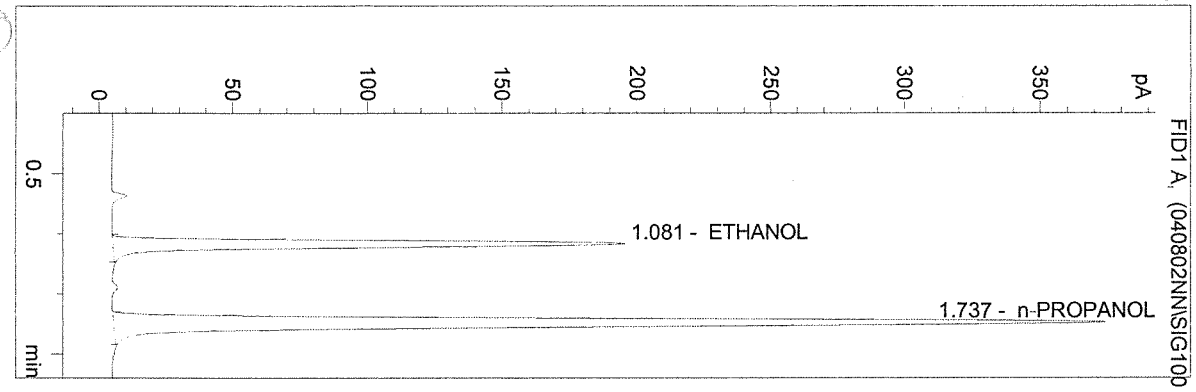
4/8/02 1:26:08 PM
Instrument 3
DB-ALC1

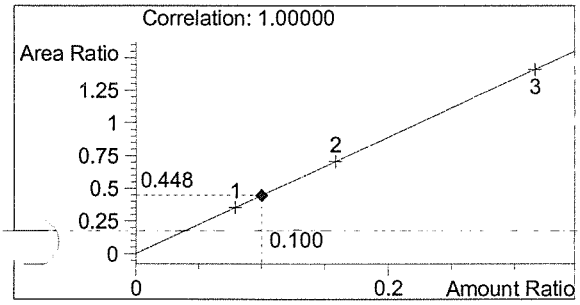
02008 SIM
N Nuwayhid, PhD

vial # 8

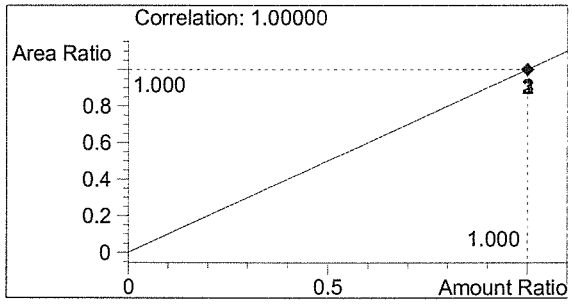


#	Compound	Area	RT
1	ETHANOL	755	1.081
2	n-PROPANOL	1684	1.737

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

C:\HPCHEM\1\METHODS\BLDALCO3.M
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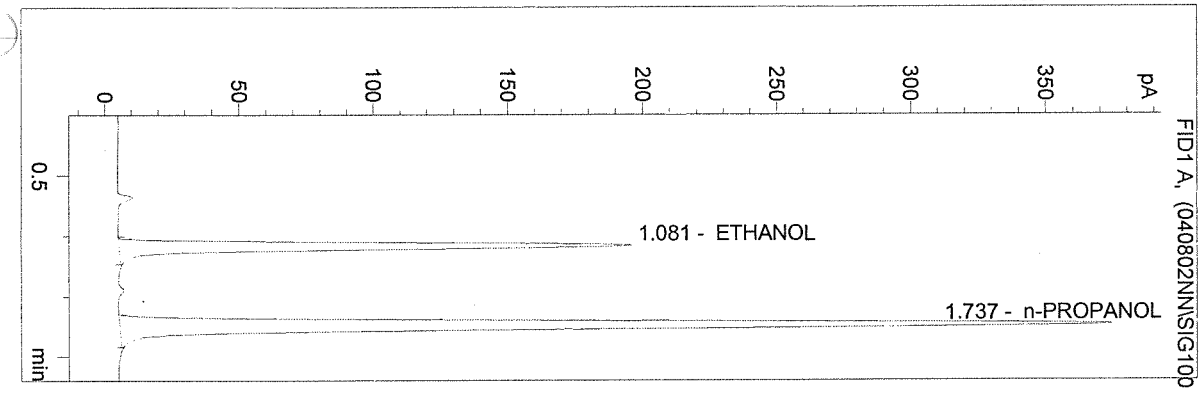
Instrument 3
DB-ALC1

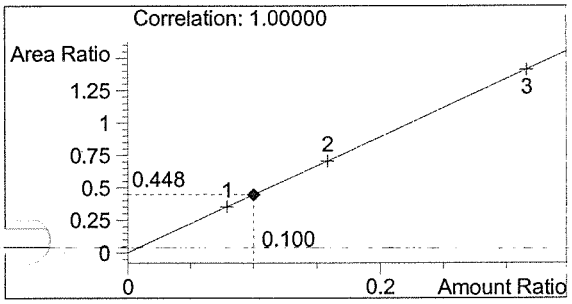
02008 SIM
N Nuwayhid, PhD

vial # 9

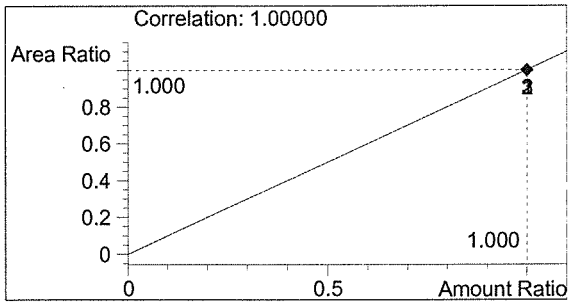


#	Compound	Area	RT
1	ETHANOL	755	1.081
2	n-PROPANOL	1683	1.737

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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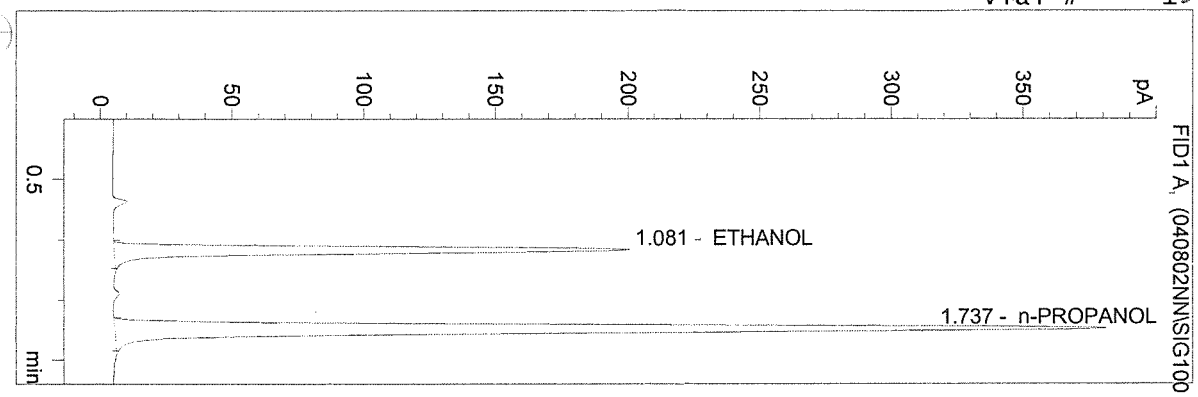
Instrument 3
DB-ALC1

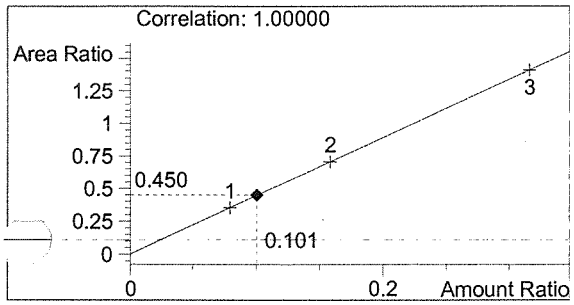
02008 SIM
N Nuwayhid, PhD

vial # 1D

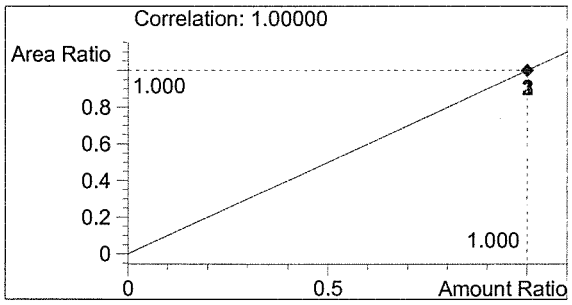


#	Compound	Area	RT
1	ETHANOL	772	1.081
2	n-PROPANOL	1716	1.737

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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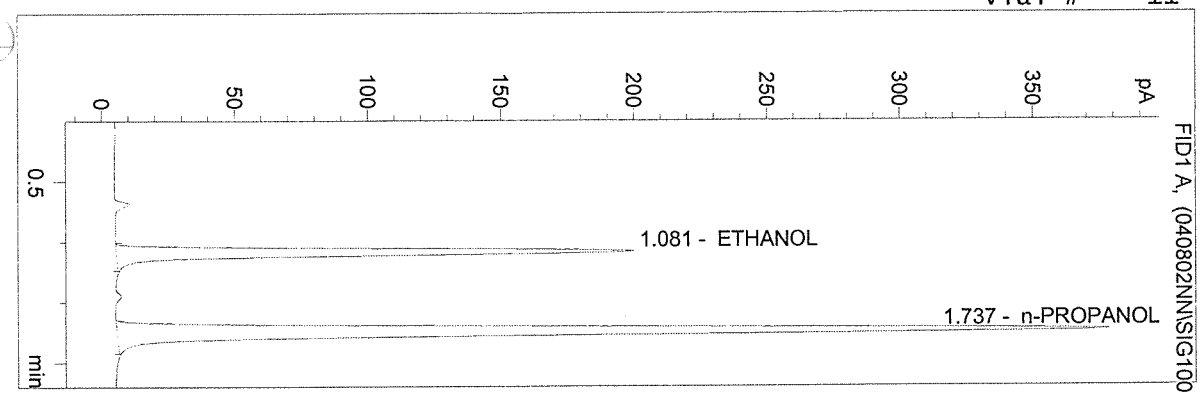
4/8/02 1:35:50 PM
Instrument 3
DB-ALC1

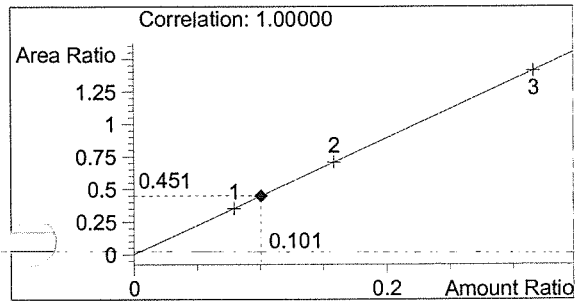
02008 SIM
N Nuwayhid, PhD

vial # 11

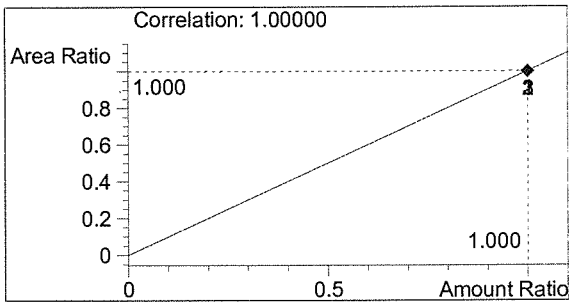


#	Compound	Area	RT
1	ETHANOL	766	1.081
2	n-PROPANOL	1699	1.737

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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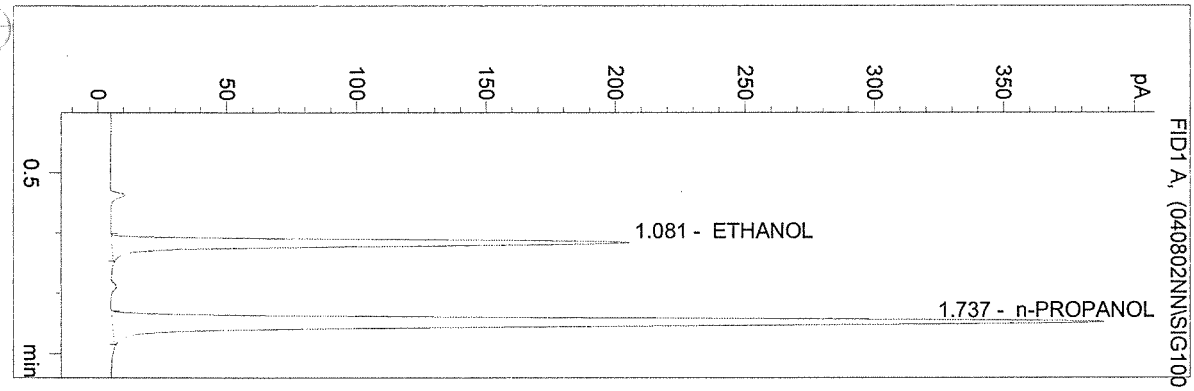
Instrument 3
DB-ALC1

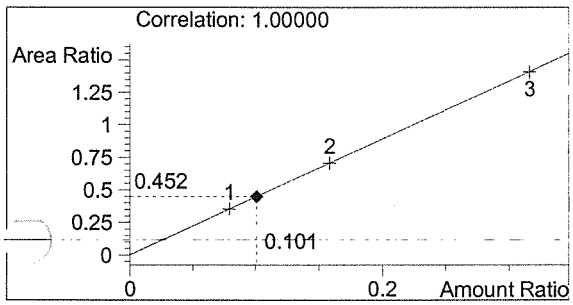
02008 SIM
N Nuwayhid, PhD

vial # 12

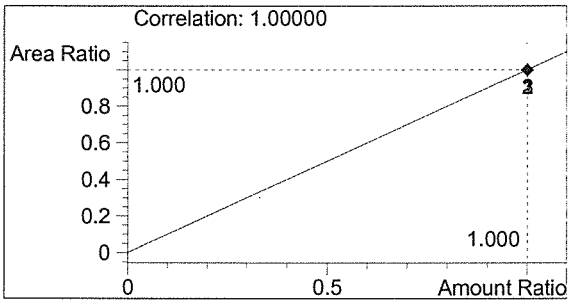


#	Compound	Area	RT
1	ETHANOL	788	1.081
2	n-PROPANOL	1745	1.737

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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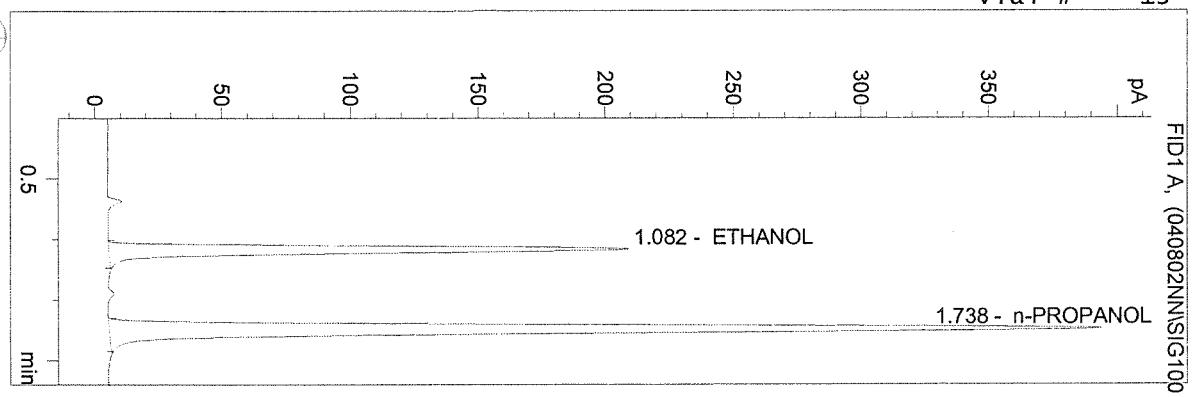
Instrument 3
DB-ALC1

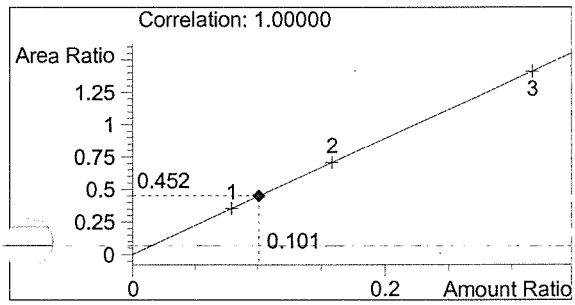
CAP 0.101
N Nuwayhid, PhD

vial # 13

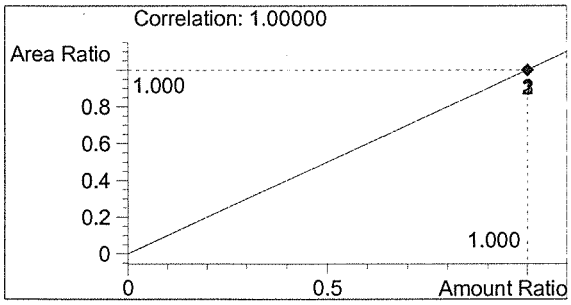


#	Compound	Area	RT
1	ETHANOL	802	1.082
2	n-PROPANOL	1775	1.738

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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

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 CAL	BLDALCO3	1	Calib		
3	3	0.158 CAL	BLDALCO3	1	Calib		
4	4	0.316 CAL	BLDALCO3	1	Calib		
5	5	0.040 MIX	BLDALCO3	1	Sample		
6	6	Blank	BLDALCO3	1	Sample		
7	7	0.101 CAP	BLDALCO3	1	Ctrl Samp		
8	8	02008 SIM	BLDALCO3	1	Sample		
9	9	02008 SIM	BLDALCO3	1	Sample		
10	10	02008 SIM	BLDALCO3	1	Sample		
11	11	02008 SIM	BLDALCO3	1	Sample		
12	12	02008 SIM	BLDALCO3	1	Sample		
13	13	CAP 0.101	BLDALCO3	1	Ctrl Samp		
14	14	BLANK	BLDALCO3	1	Sample		

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	2	0.079 CAL	BLDALCO3	1	Replace	Replace	
3	3	0.158 CAL	BLDALCO3	2	Replace	Average	
4	4	0.316 CAL	BLDALCO3	3	Replace	Average	

Sequence Table (Back Injector):

No entries - empty table!

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Instrument 3
DB-ALC1

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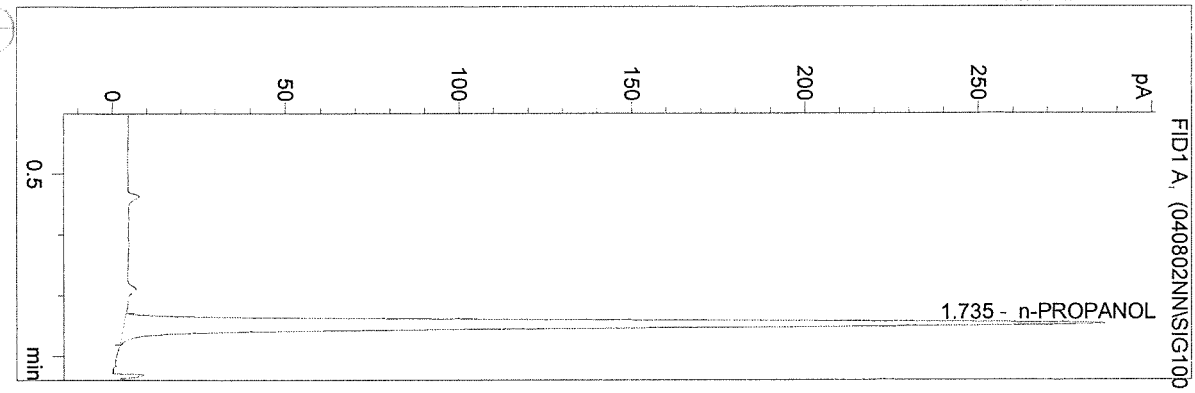
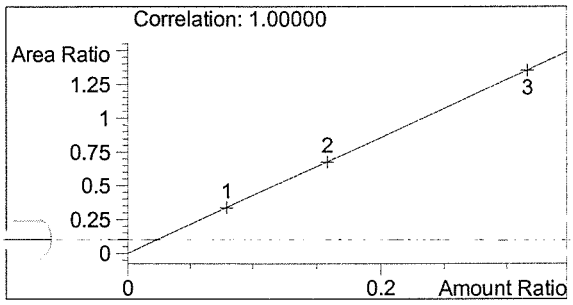
N Nuwayhid, PhD

vial # 1

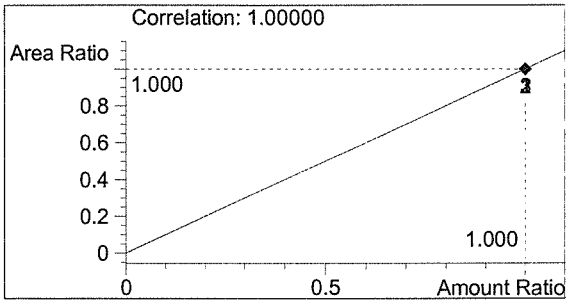


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1267	1.735

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
DB-ALC1

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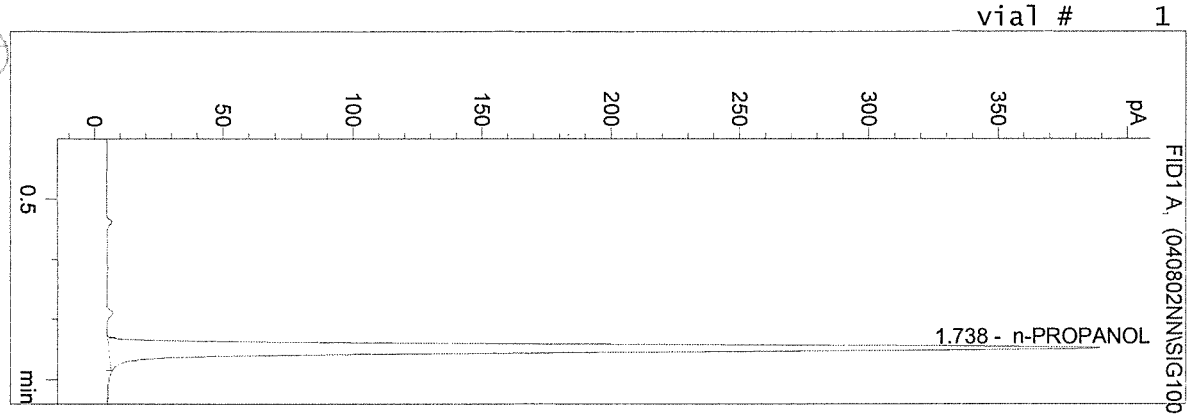
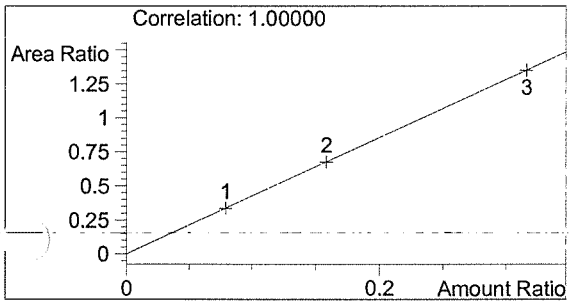
N Nuwayhid, PhD

vial # 1

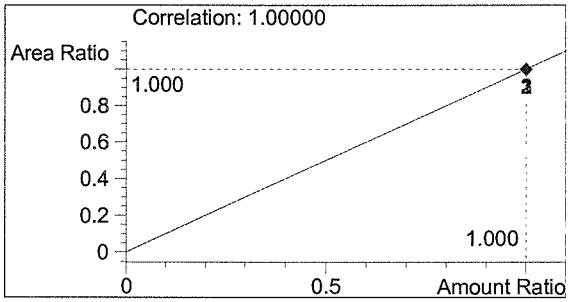


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1718	1.738

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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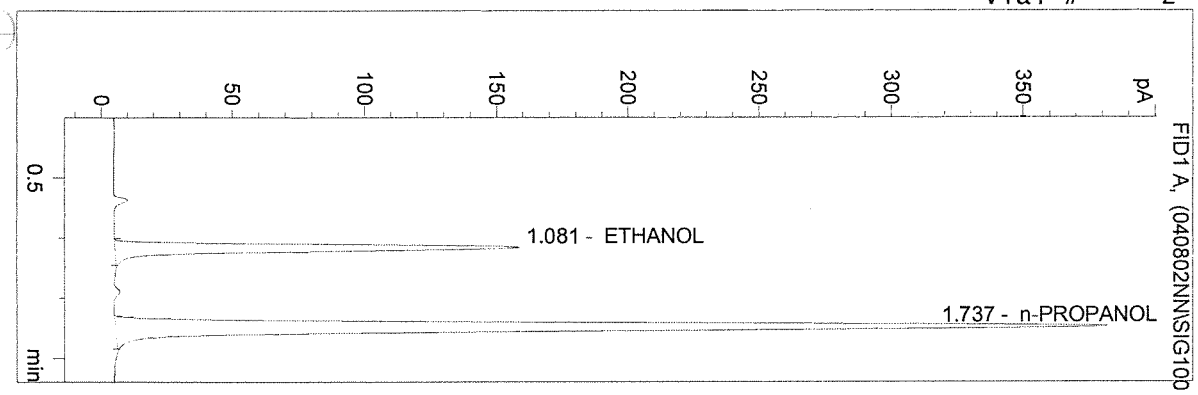
Instrument 3
DB-ALC1

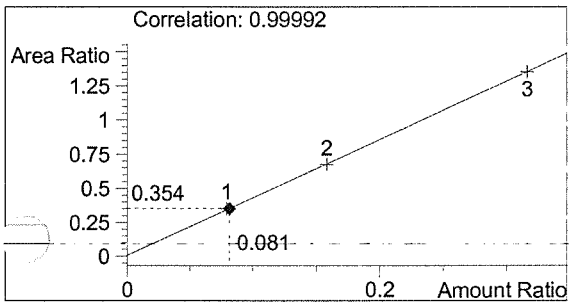
0.079 CAL
N Nuwayhid, PhD

vial # 2

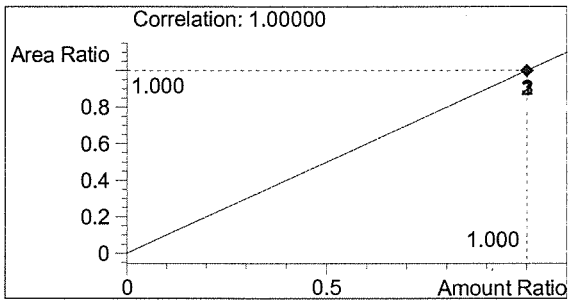


#	Compound	Area	RT
1	ETHANOL	604	1.081
2	n-PROPANOL	1710	1.737

Totals:



ETHANOL 0.081 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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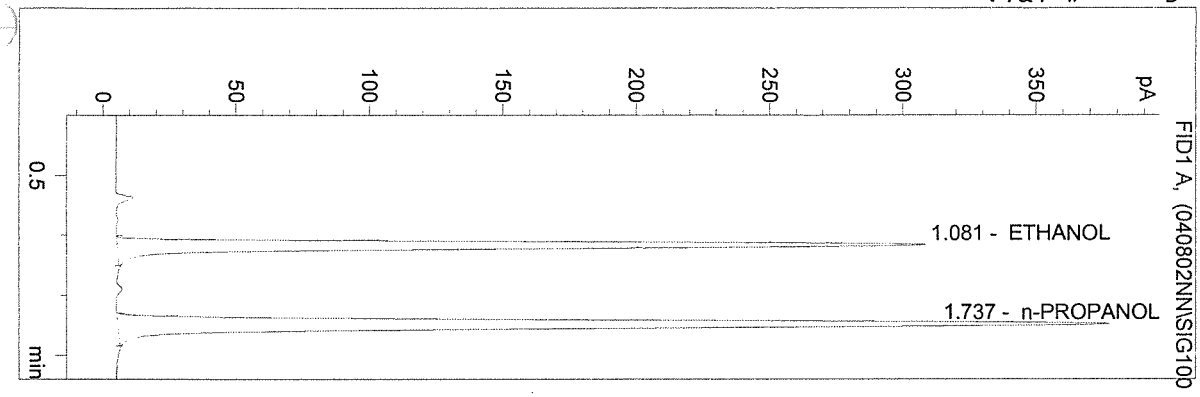
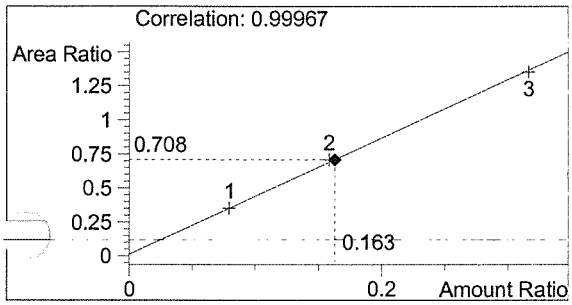
0.158 CAL
N Nuwayhid, PhD

vial # 3

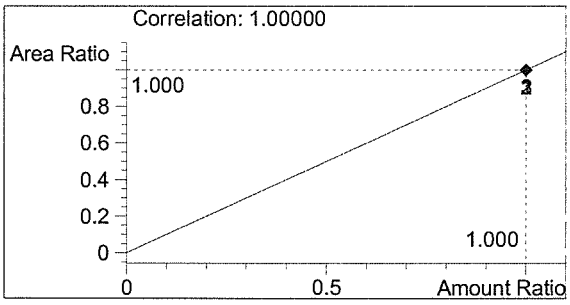


#	Compound	Area	RT
1	ETHANOL	1197	1.081
2	n-PROPANOL	1691	1.737

Totals:



ETHANOL 0.163 mg/L



n-PROPANOL 1.000 mg/L

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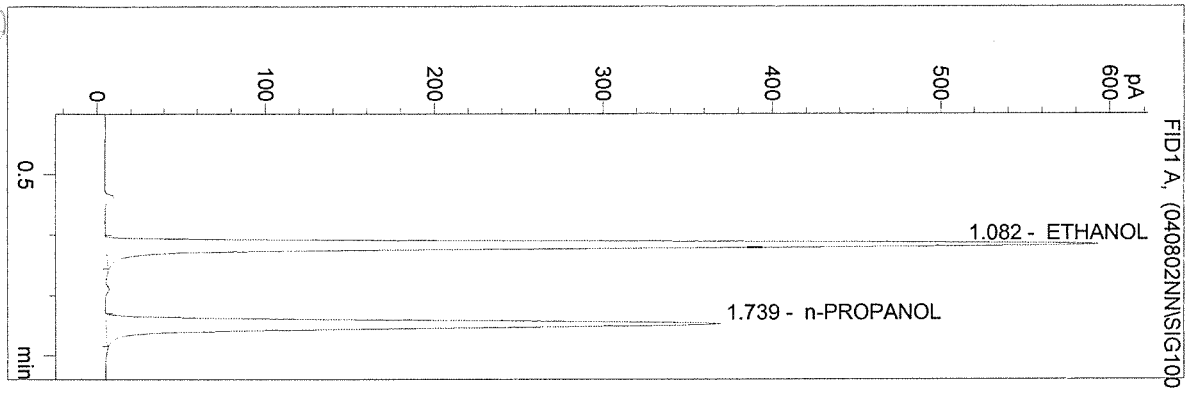
Instrument 3
DB-ALC1

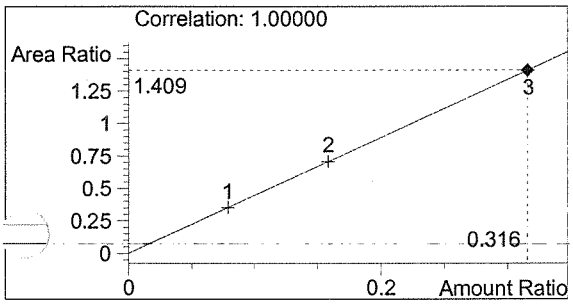
0.316 CAL
N Nuwayhid, PhD

vial # 4

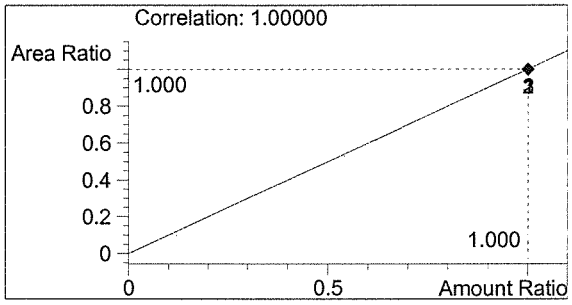


#	Compound	Area	RT
1	ETHANOL	2348	1.082
2	n-PROPANOL	1666	1.739

Totals:



ETHANOL 0.316 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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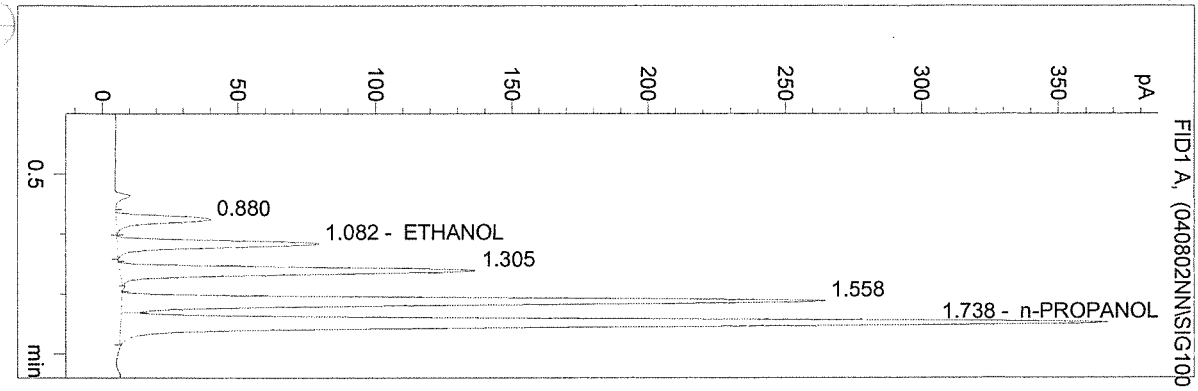
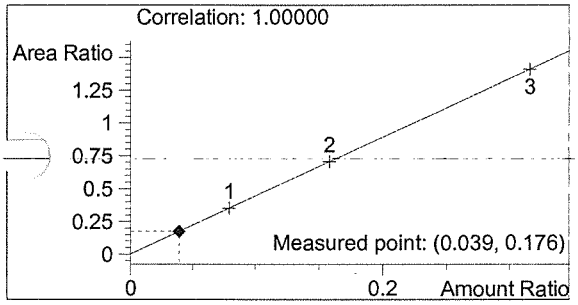
0.040 MIX
N Nuwayhid, PhD

vial # 5

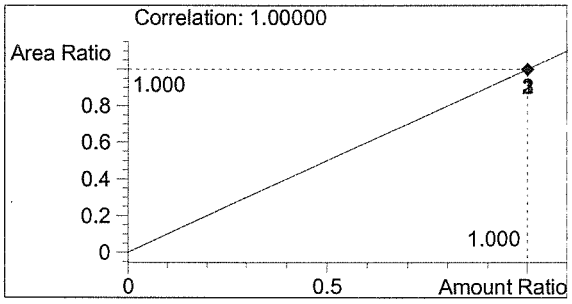


#	Compound	Area	RT
1		142	0.880
2	ETHANOL	292	1.082
3		527	1.305
4		1057	1.558
5	n-PROPANOL	1657	1.738

Totals:



ETHANOL 0.039 mg/L



n-PROPANOL 1.000 mg/L

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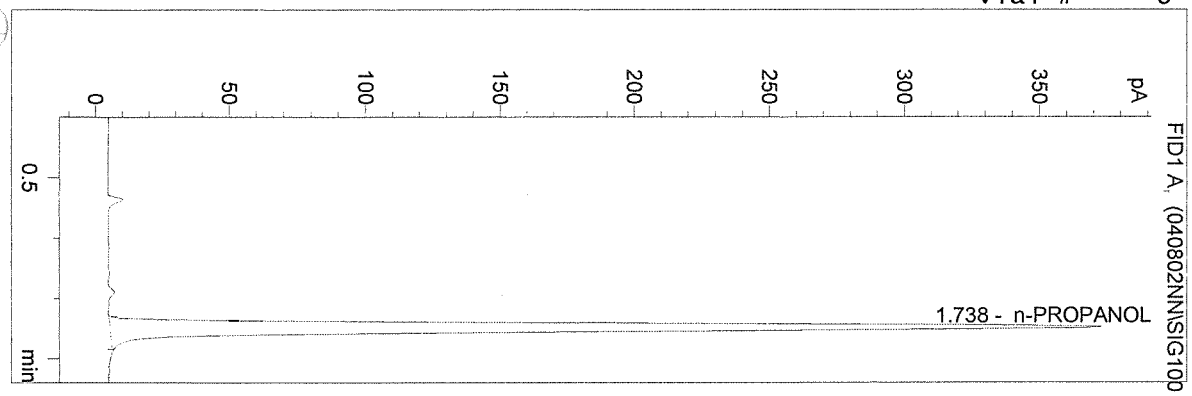
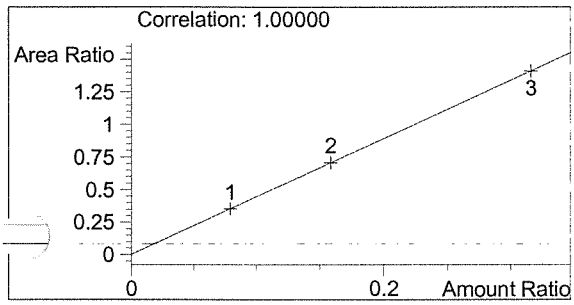
N Nuwayhid, PhD

vial # 6

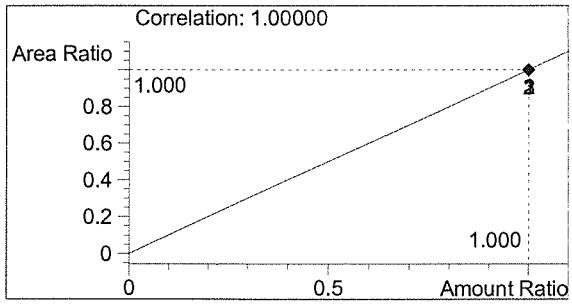


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1683	1.738

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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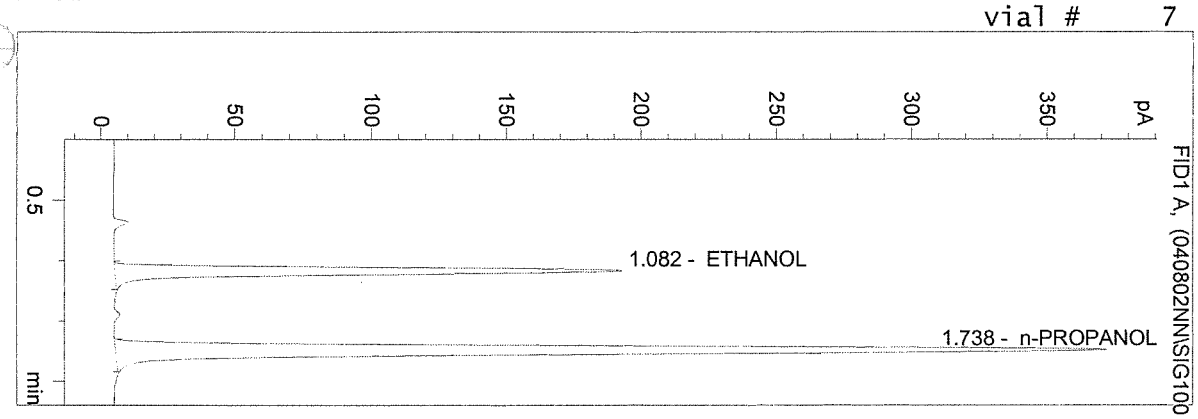
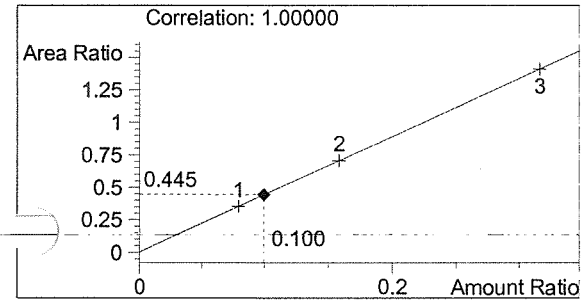
0.101 CAP
N Nuwayhid, PhD

vial # 7

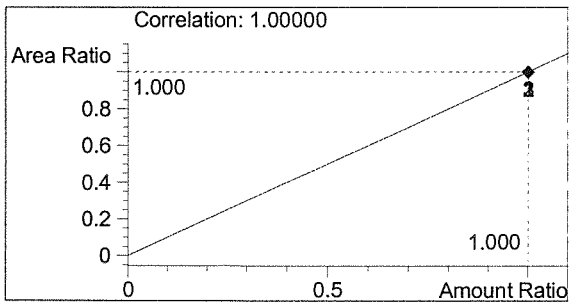


#	Compound	Area	RT
1	ETHANOL	750	1.082
2	n-PROPANOL	1683	1.738

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 1
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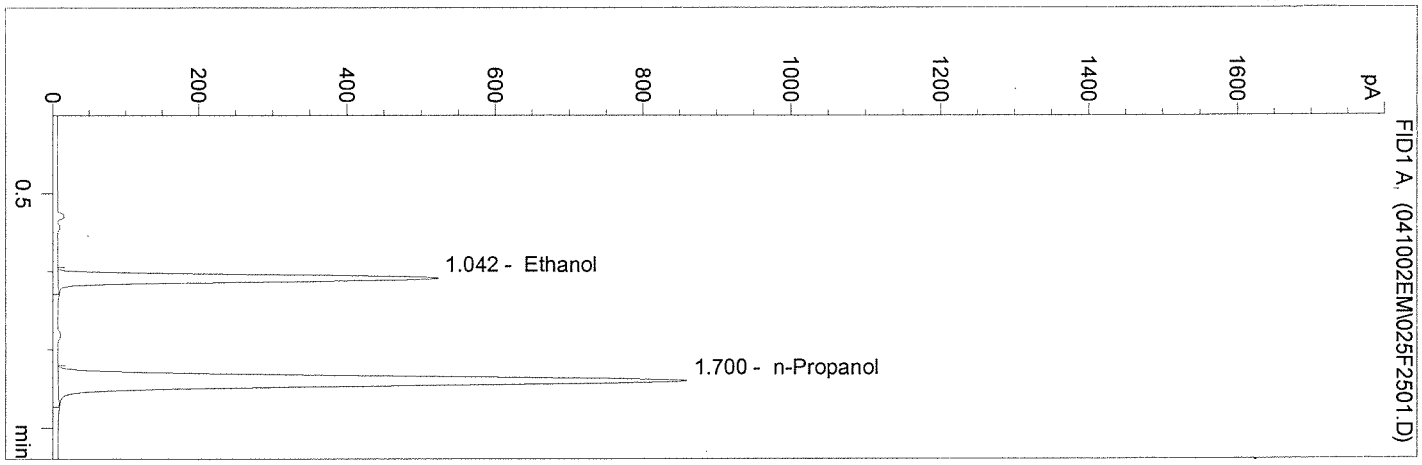
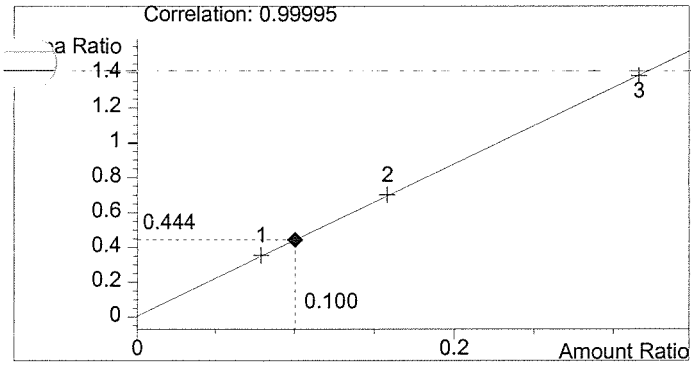
Estuardo J. Miranda

vial # 25

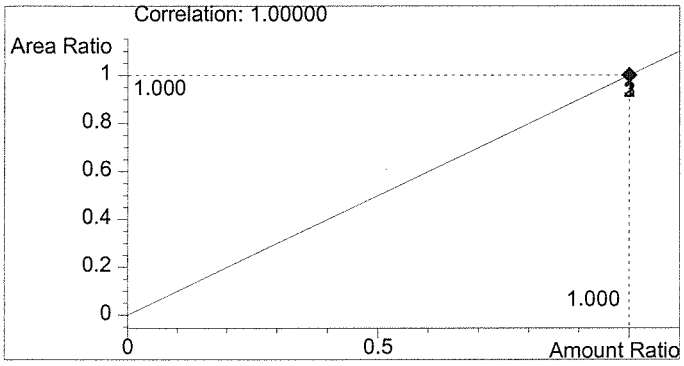


#	Compound	Area	RT
1	Ethanol	1606	1.042
2	n-Propanol	3618	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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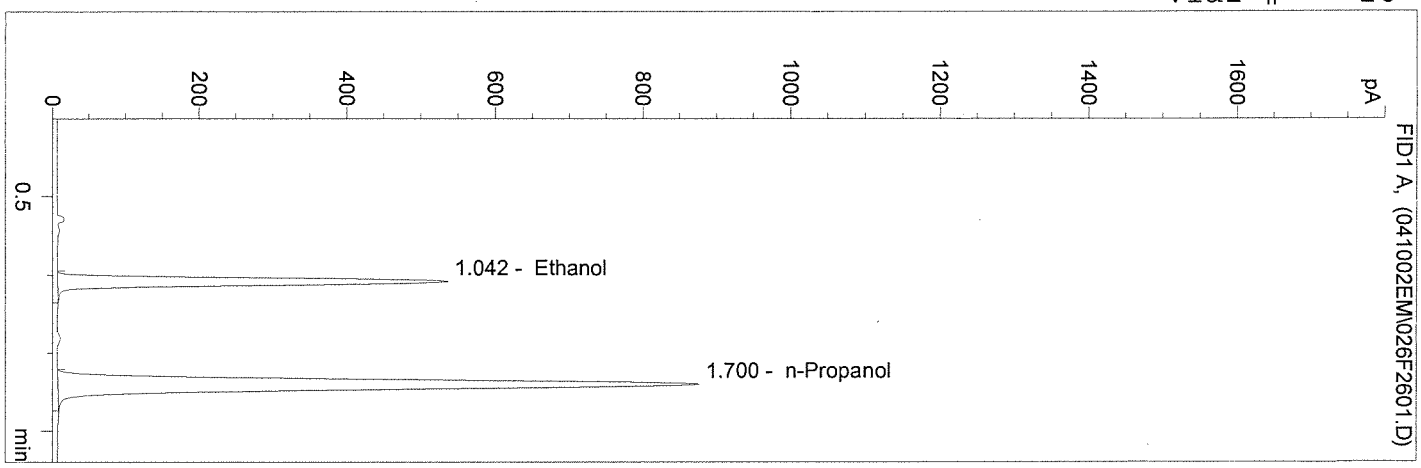
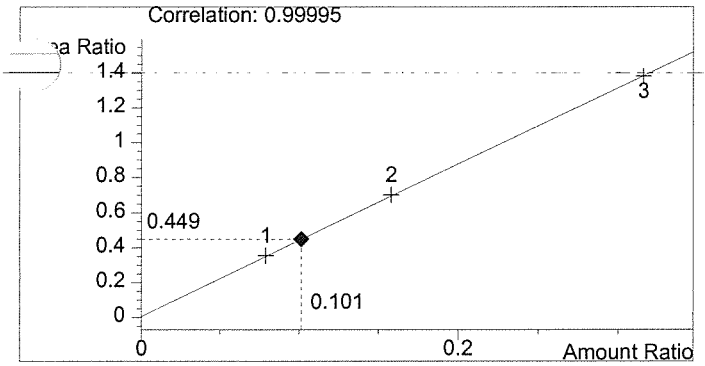
Estuardo J. Miranda

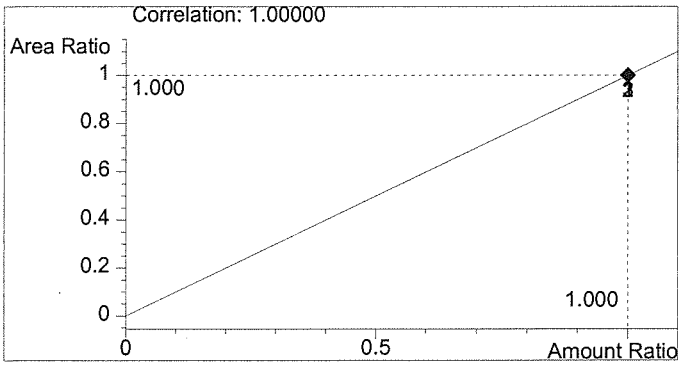
vial # 26



#	Compound	Area	RT
1	Ethanol	1658	1.042
2	n-Propanol	3693	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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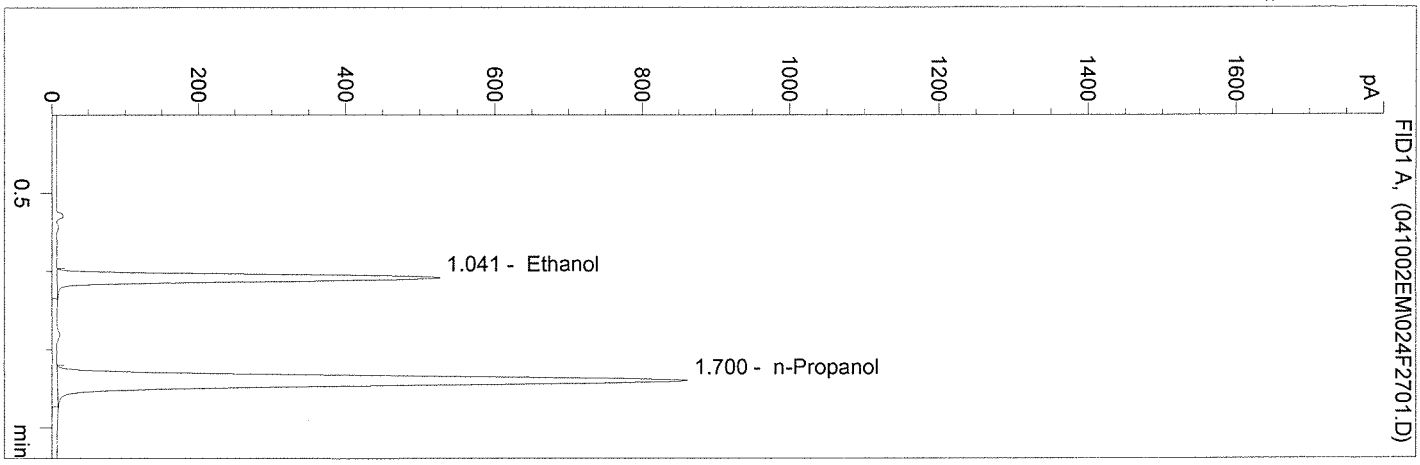
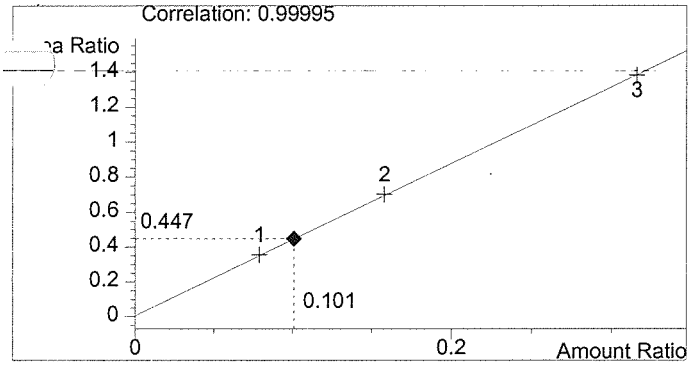
Estuardo J. Miranda

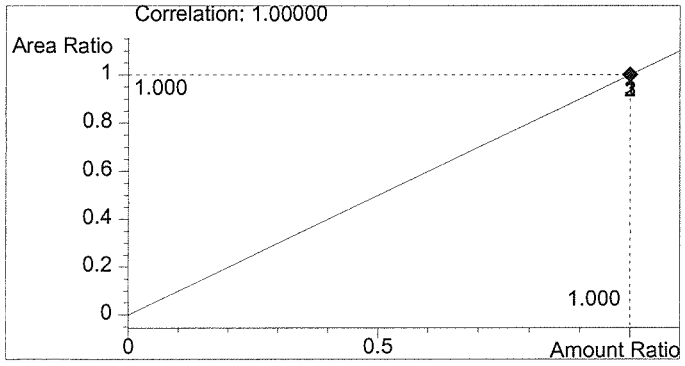
vial # 24



#	Compound	Area	RT
1	Ethanol	1619	1.041
2	n-Propanol	3625	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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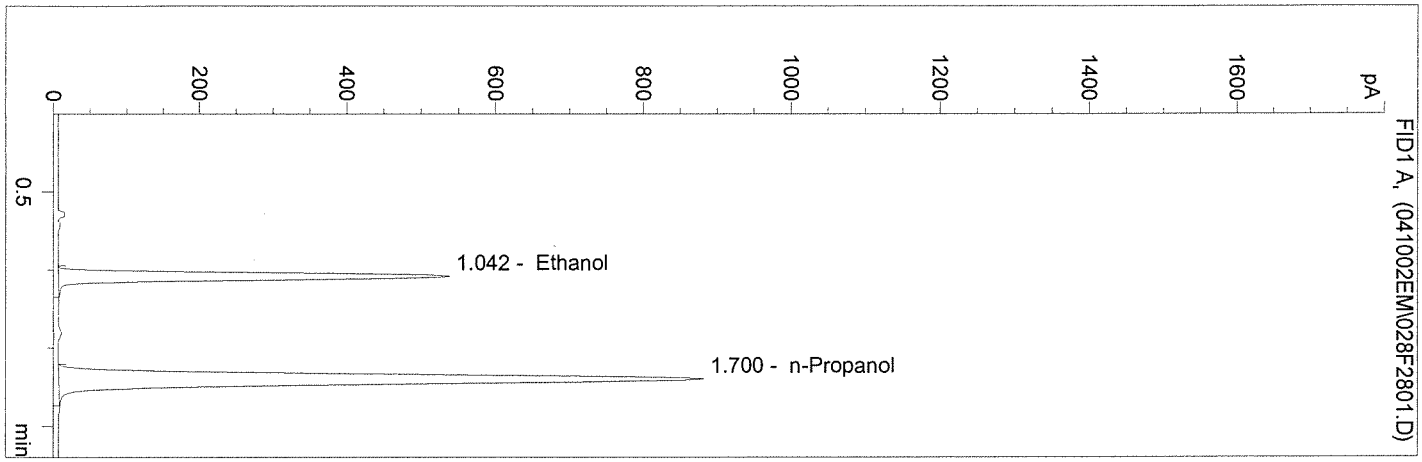
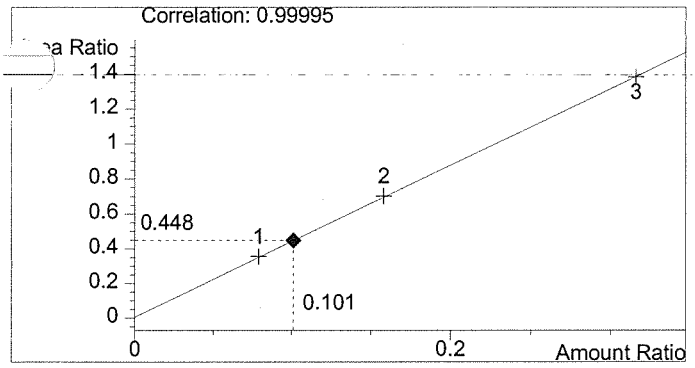
Instrument 1
-ALC1

Sim. Sol. 02008
Estuardo J. Miranda

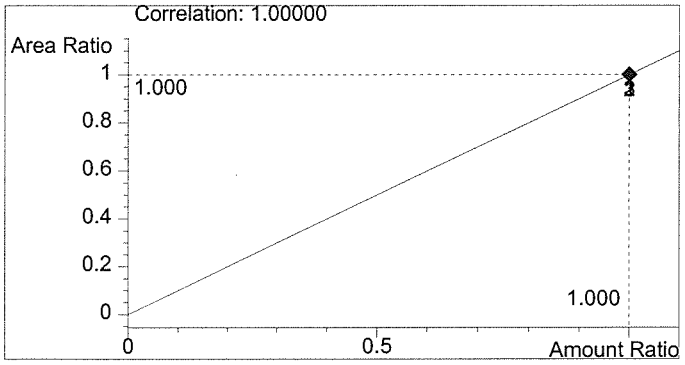
vial # 28



#	Compound	Area	RT
1	Ethanol	1660	1.042
2	n-Propanol	3708	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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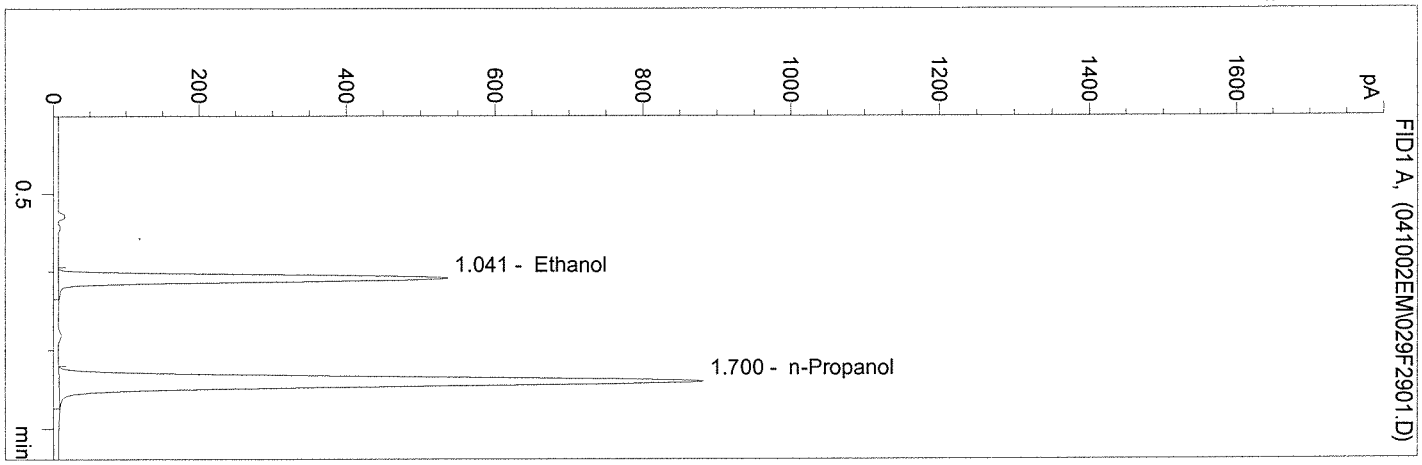
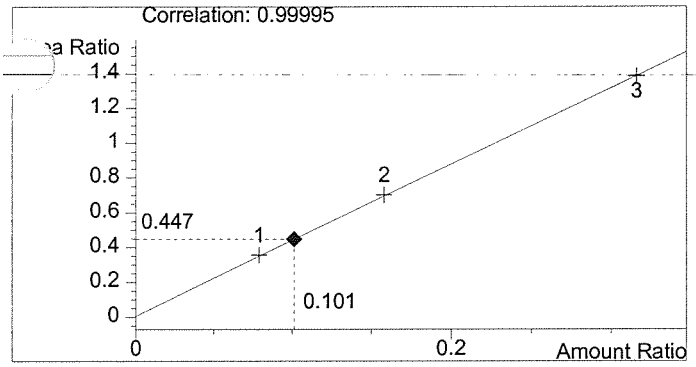
Estuardo J. Miranda

vial # 29

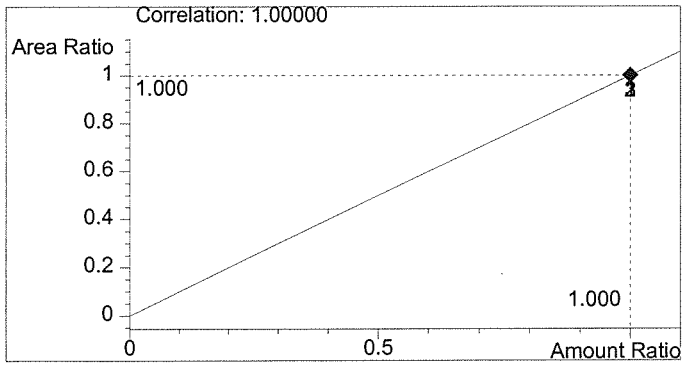


#	Compound	Area	RT
1	Ethanol	1660	1.041
2	n-Propanol	3710	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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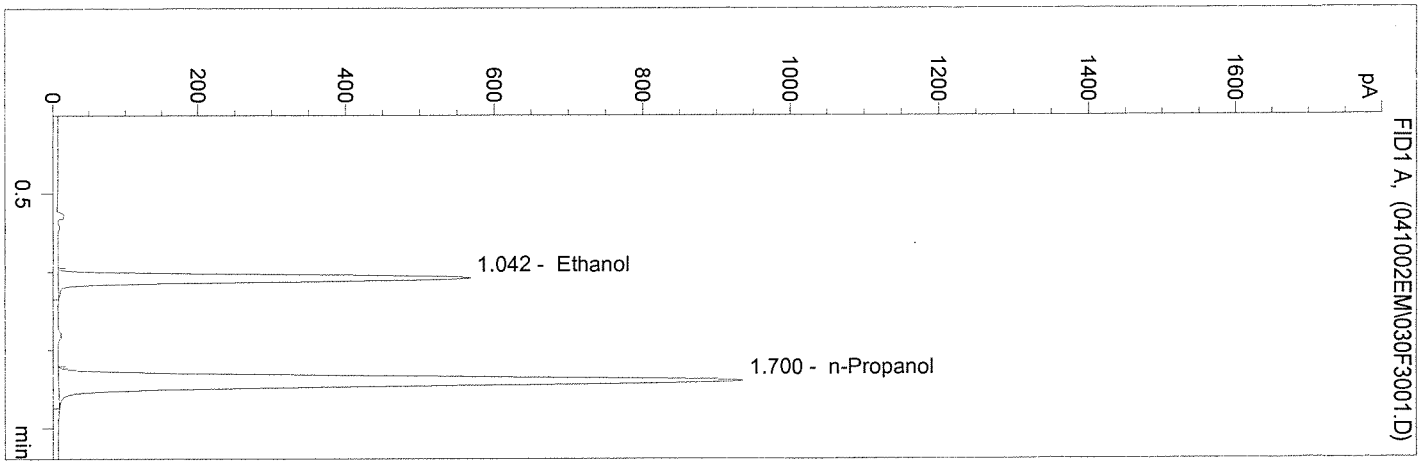
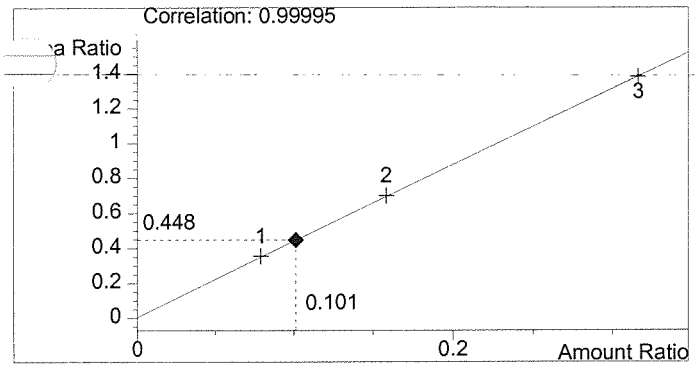
Instrument 1
-ALC1

0.101 CAP
Estuardo J. Miranda

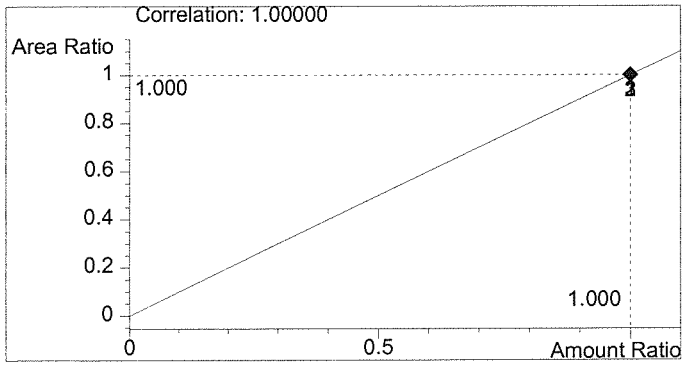
vial # 30



#	Compound	Area	RT
1	Ethanol	1769	1.042
2	n-Propanol	3948	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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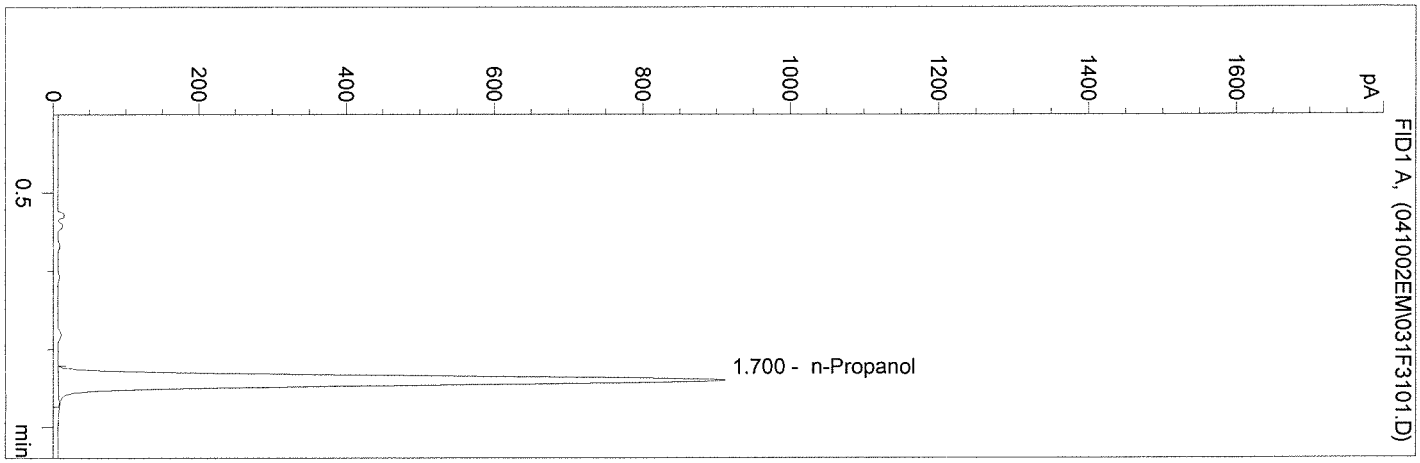
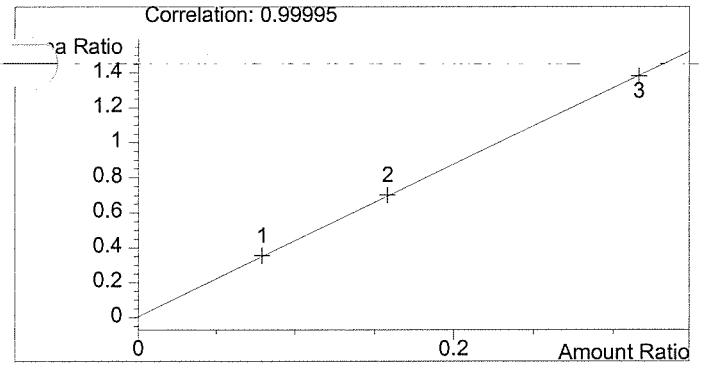
Estuardo J. Miranda

vial # 31

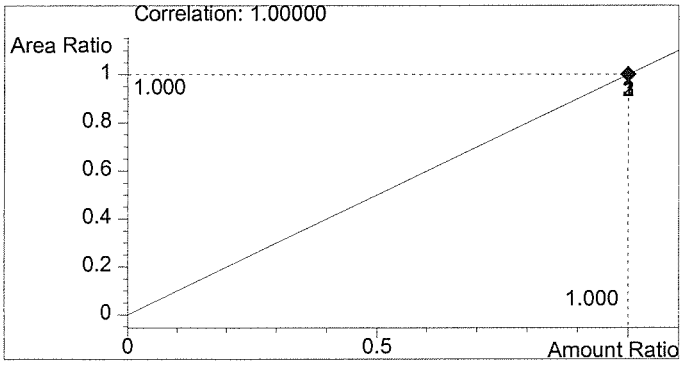


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3834	1.700

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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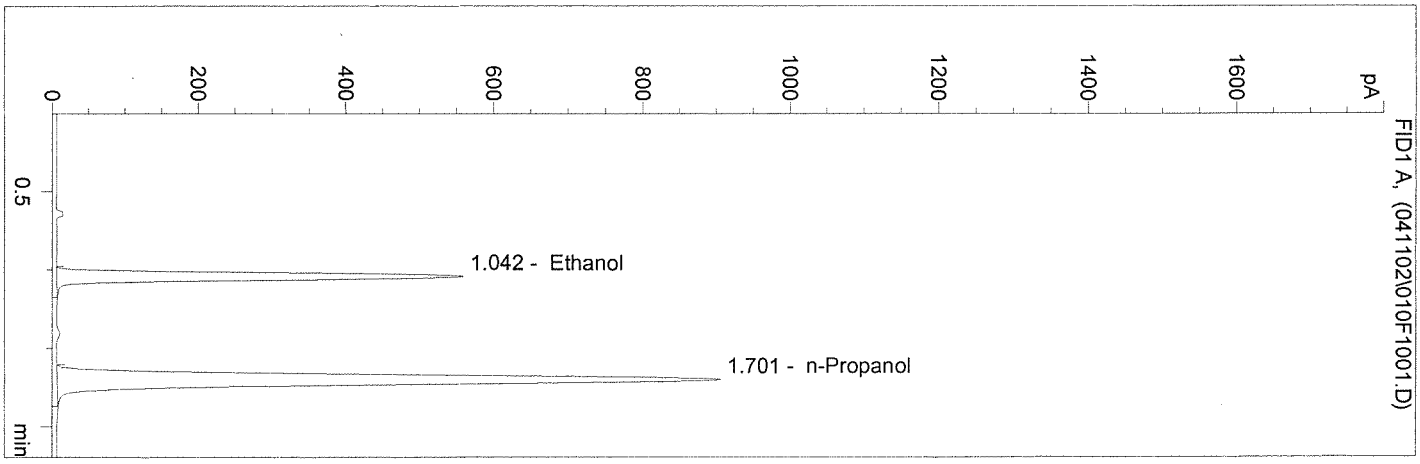
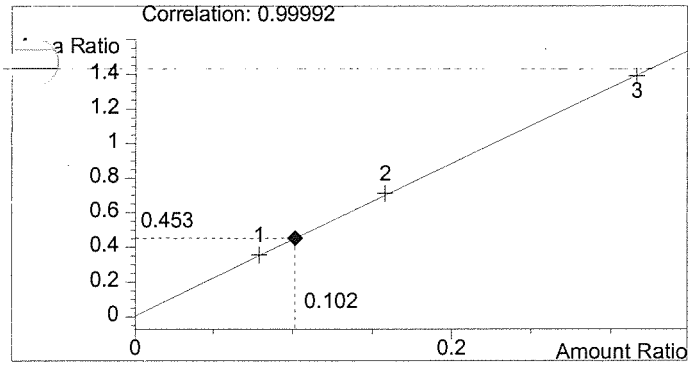
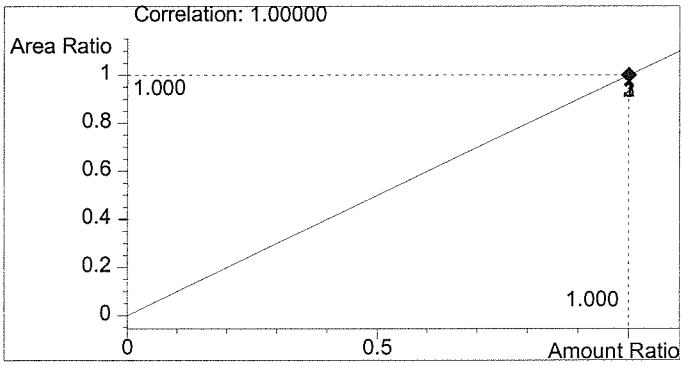
vial # 10



#	Compound	Area	RT
1	Ethanol	1727	1.042
2	n-Propanol	3812	1.701
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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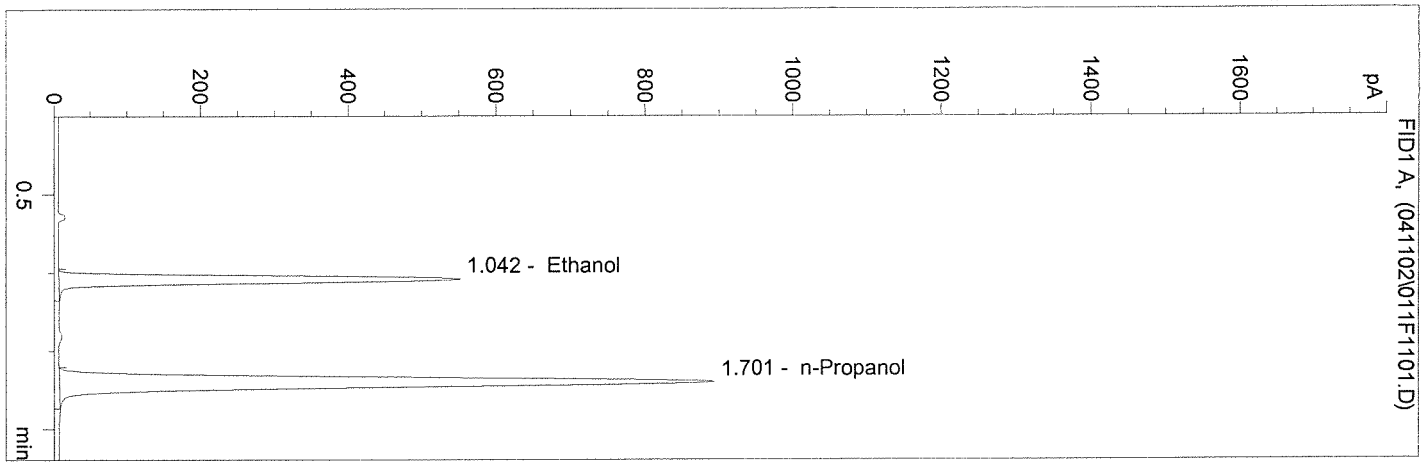
Instrument 1
DB-ALC1

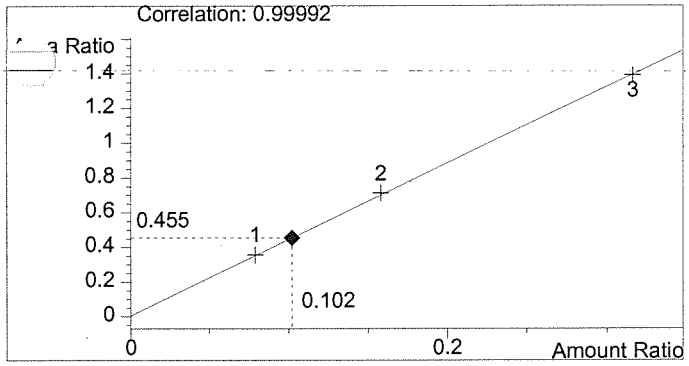
02008 SIM SOL
RUTH LUTHI

vial # 11

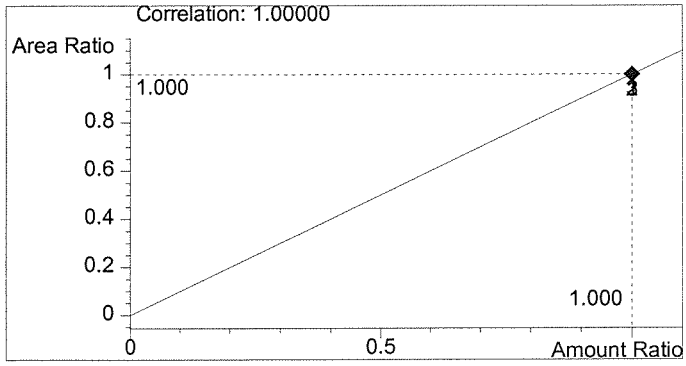


#	Compound	Area	RT
1	Ethanol	1714	1.042
2	n-Propanol	3767	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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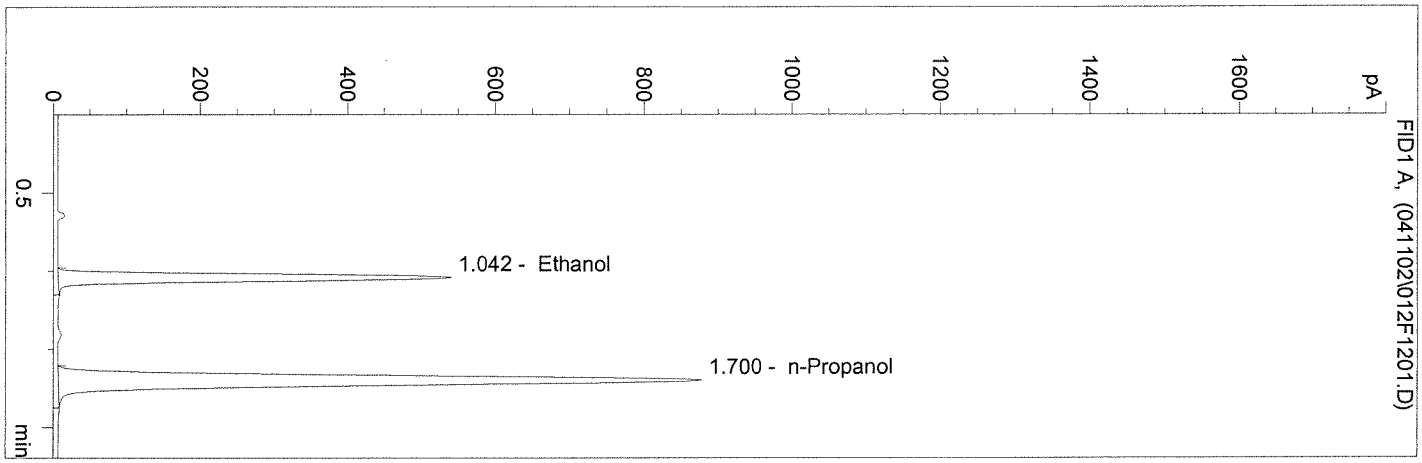
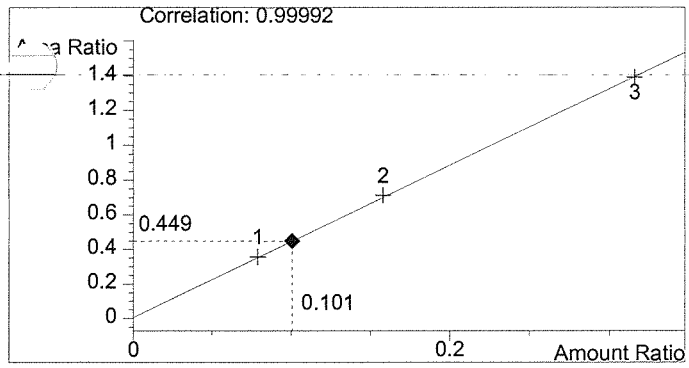
Instrument 1
DB-ALC1

02008 SIM SOL
RUTH LUTHI

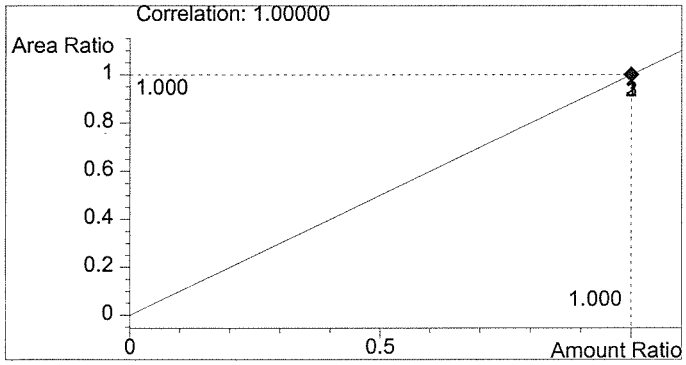
vial # 12



#	Compound	Area	RT
1	Ethanol	1654	1.042
2	n-Propanol	3687	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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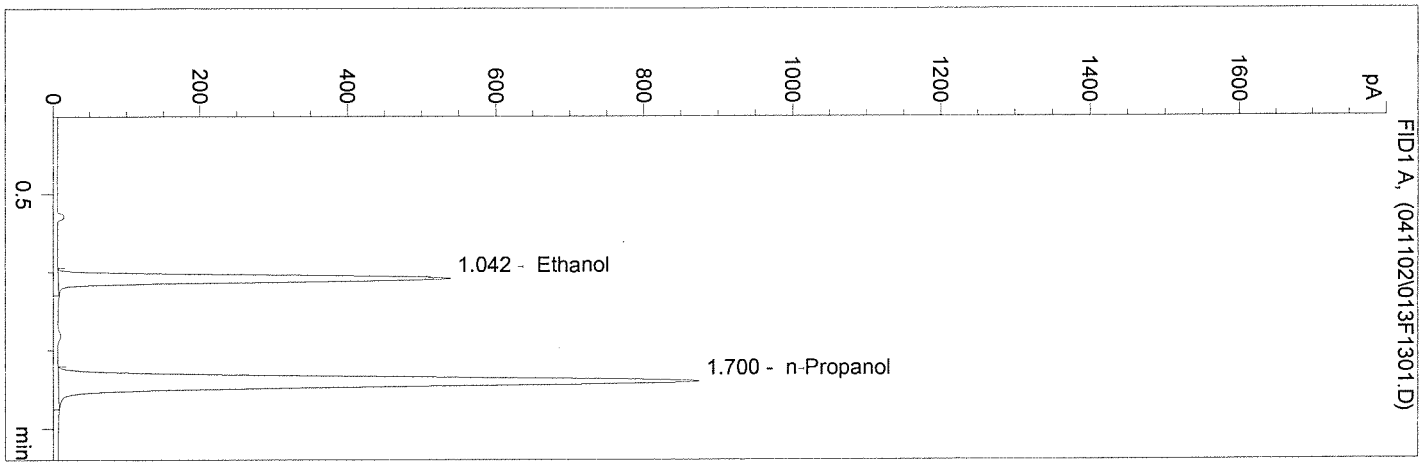
Instrument 1
DB-ALC1

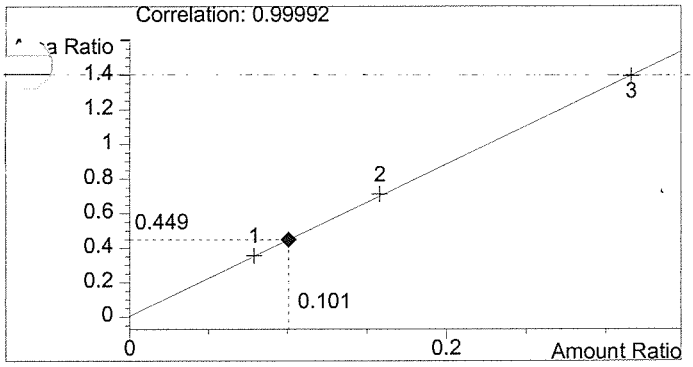
02008 SIM SOL
RUTH LUTHI

vial # 13

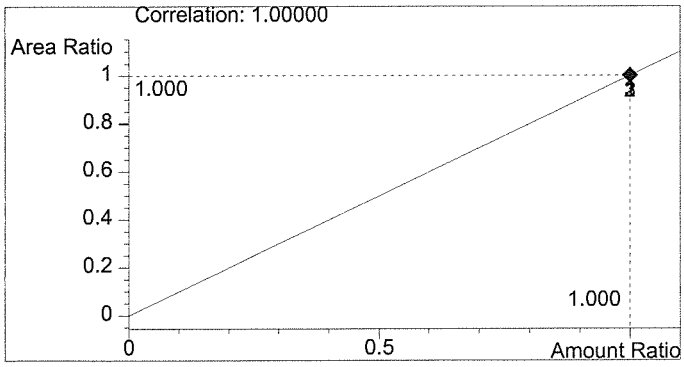


#	Compound	Area	RT
1	Ethanol	1652	1.042
2	n-Propanol	3676	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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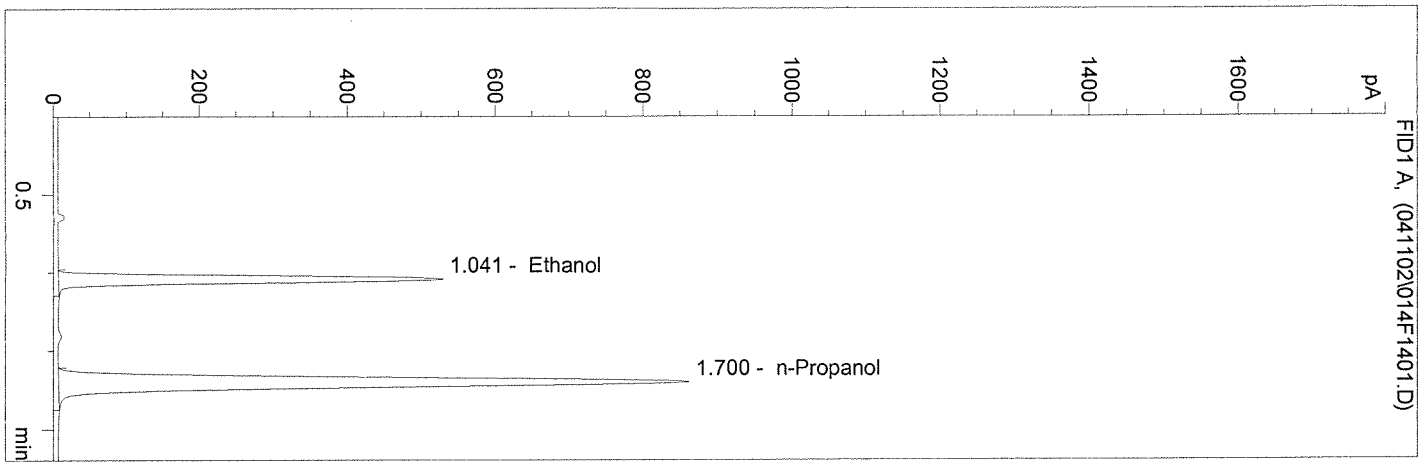
Instrument 1
DB-ALC1

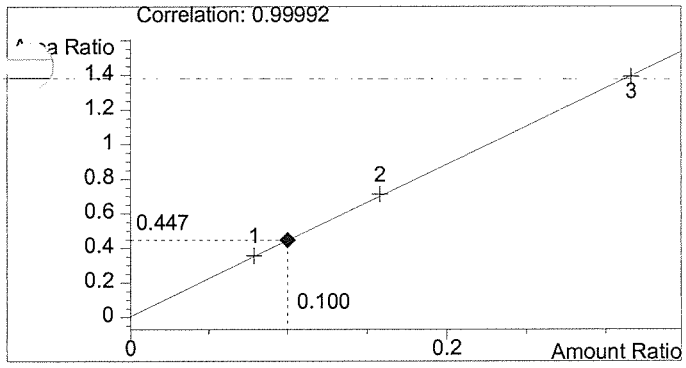
02008 SIM SOL
RUTH LUTHI

vial # 14

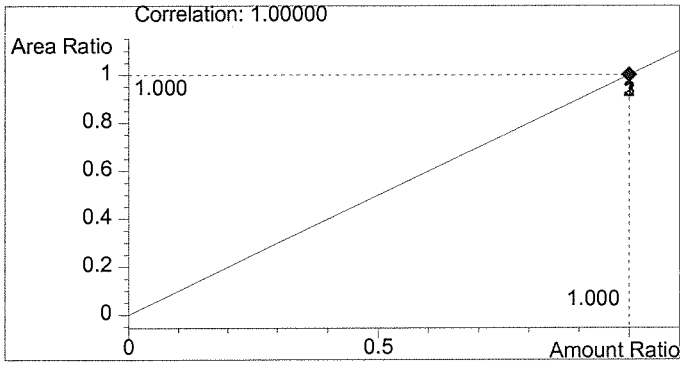


#	Compound	Area	RT
1	Ethanol	1616	1.041
2	n-Propanol	3619	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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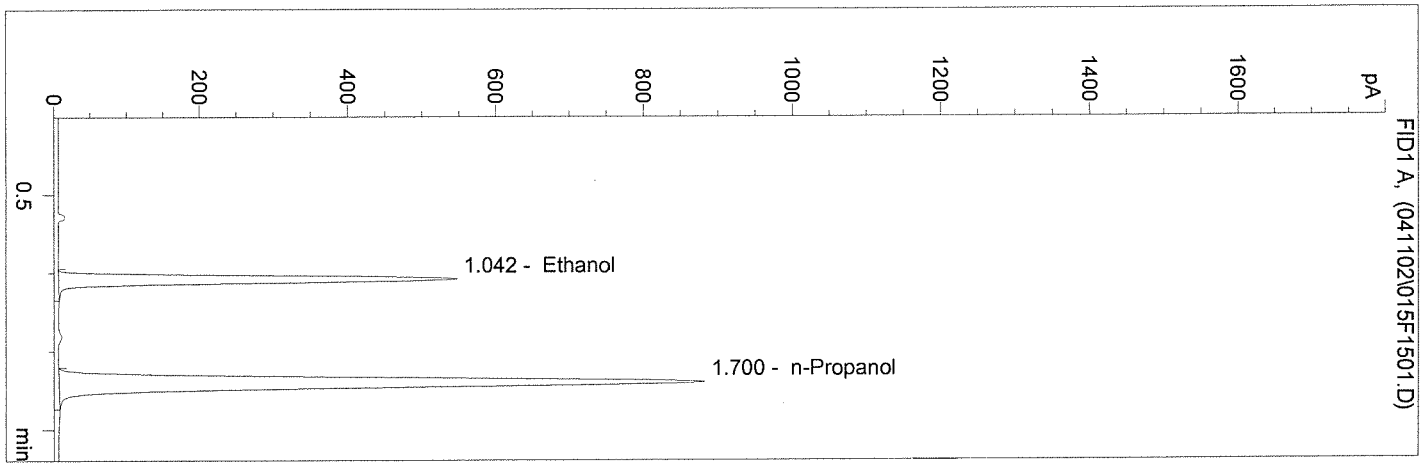
Instrument 1
DB-ALC1

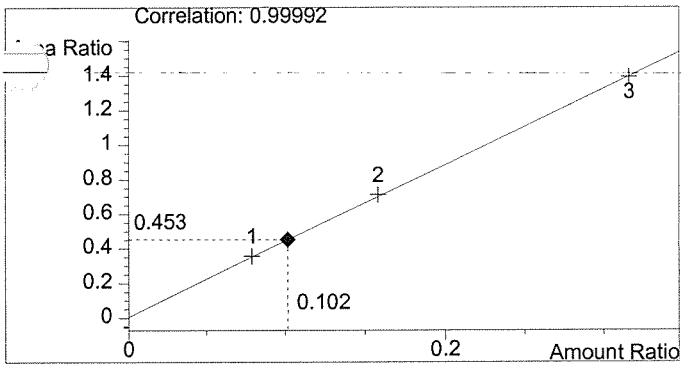
0.101 CAP
RUTH LUTHI

vial # 15

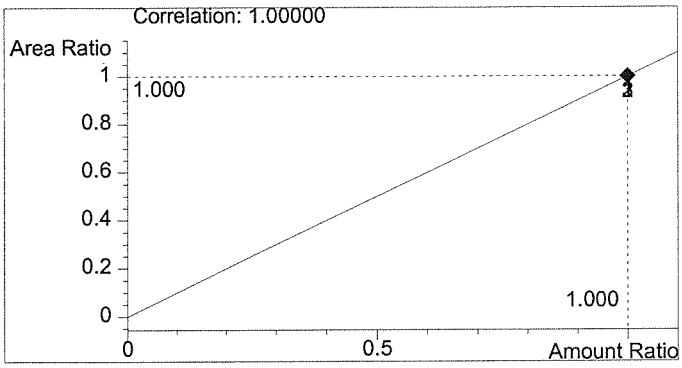


#	Compound	Area	RT
1	Ethanol	1674	1.042
2	n-Propanol	3697	1.700

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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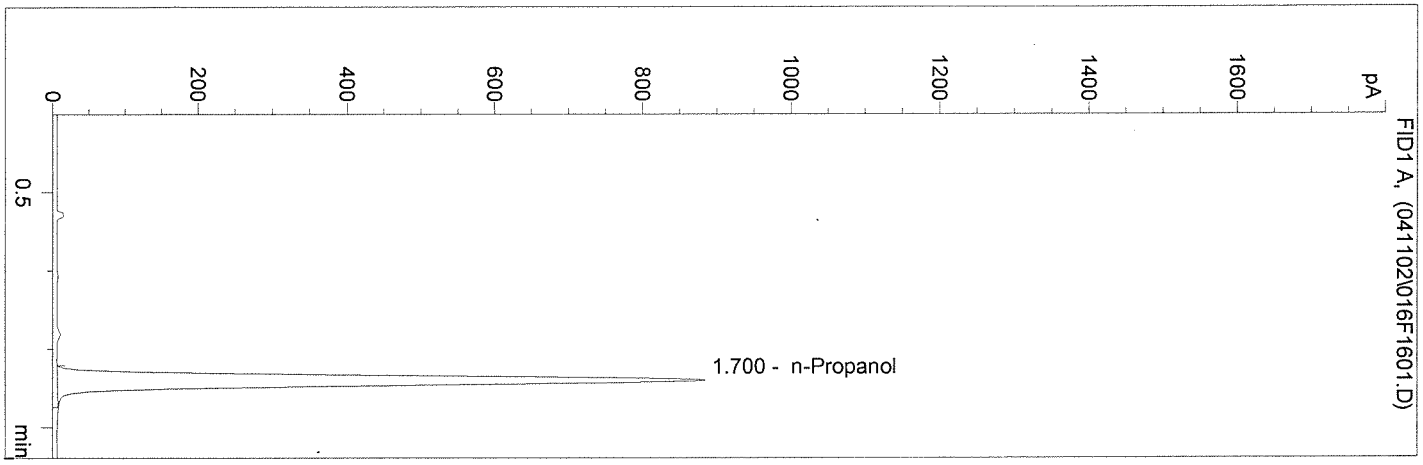
4/11/02 9:38:01 AM
Instrument 1
DB-ALC1

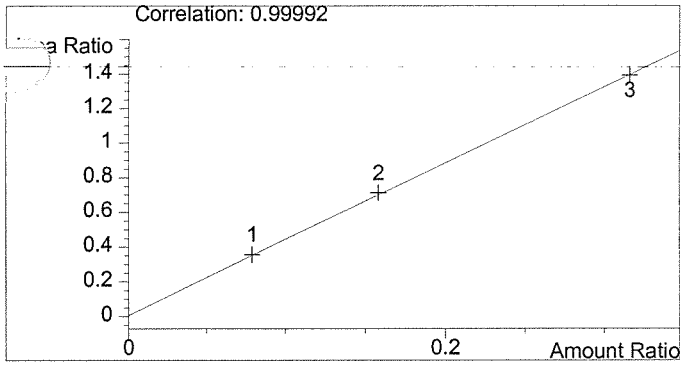
BLANK
RUTH LUTHI

vial # 16

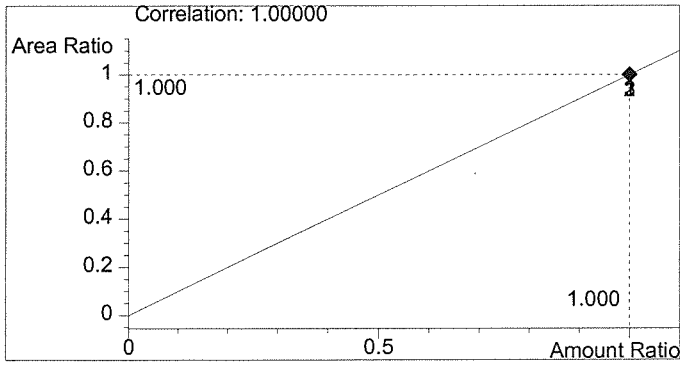


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3749	1.700

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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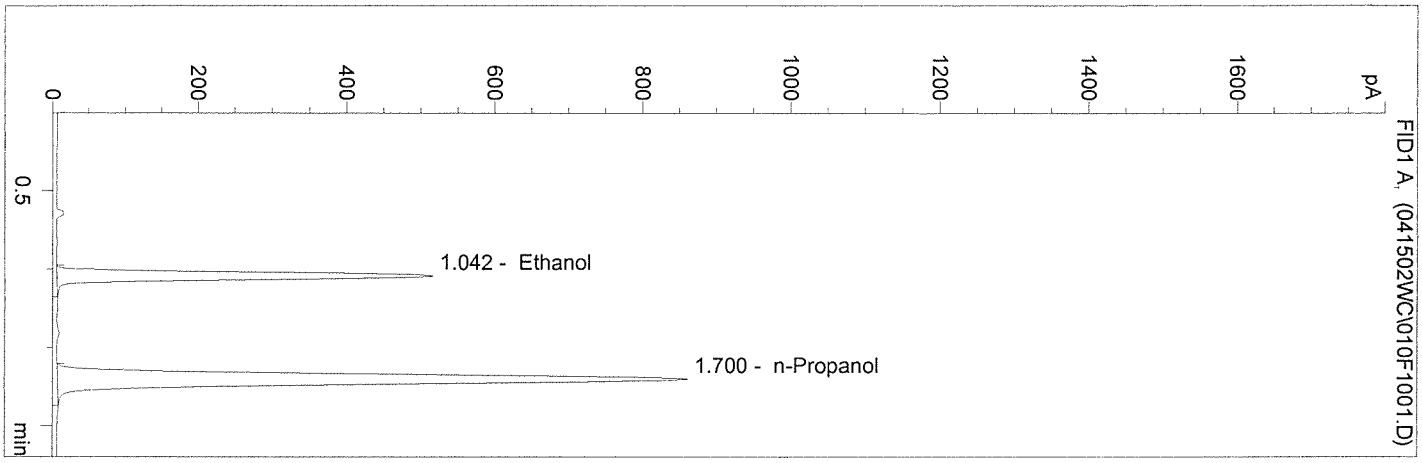
4/15/02 8:35:18 AM
Instrument 1
DB-ALC1

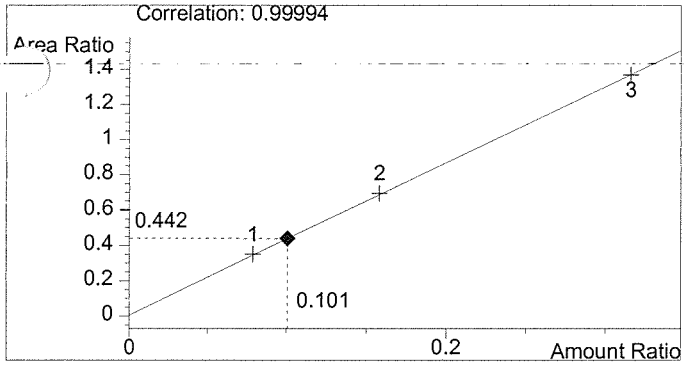
SIM 02008
WP MARSHALL

vial # 10

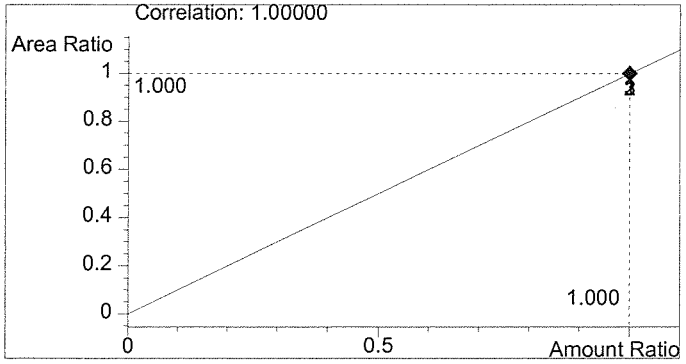


#	Compound	Area	RT
1	Ethanol	1607	1.042
2	n-Propanol	3640	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

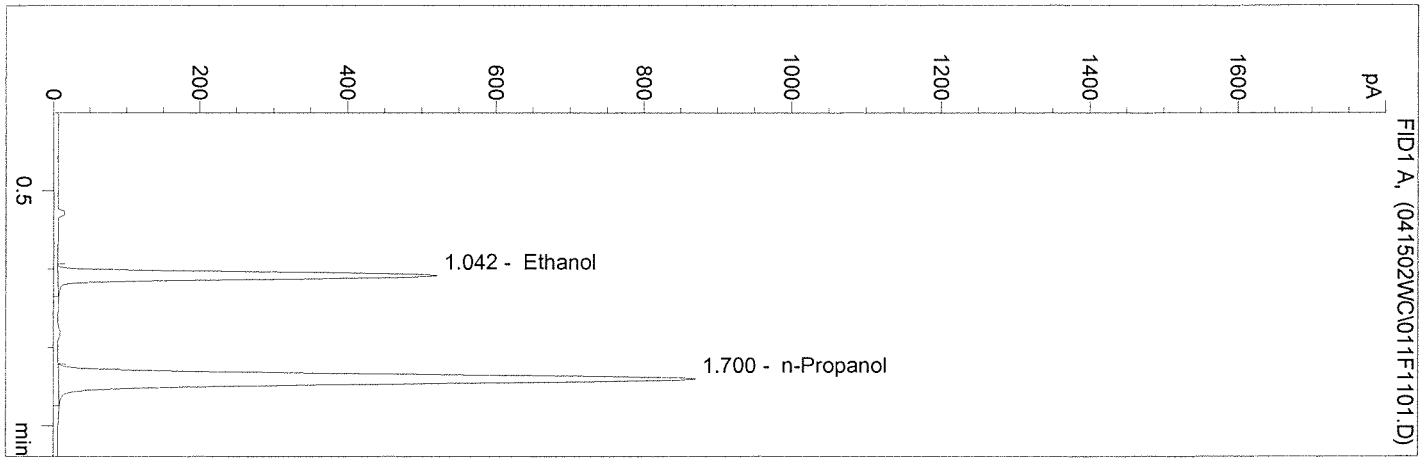
5705

022137

C:\HPCHEM\1\METHODS\BLDALCO.M
4/15/02 8:38:20 AM
Instrument 1
DB-ALC1

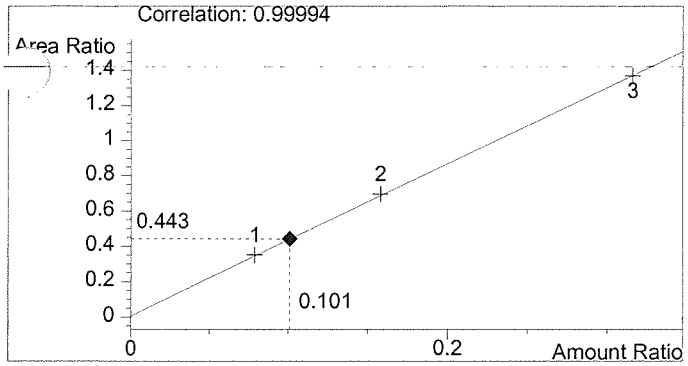
SIM 02008
WP MARSHALL

vial # 11

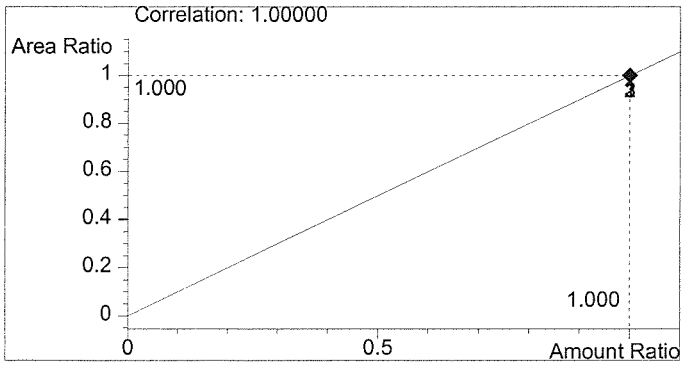


#	Compound	Area	RT
1	Ethanol	1626	1.042
2	n-Propanol	3672	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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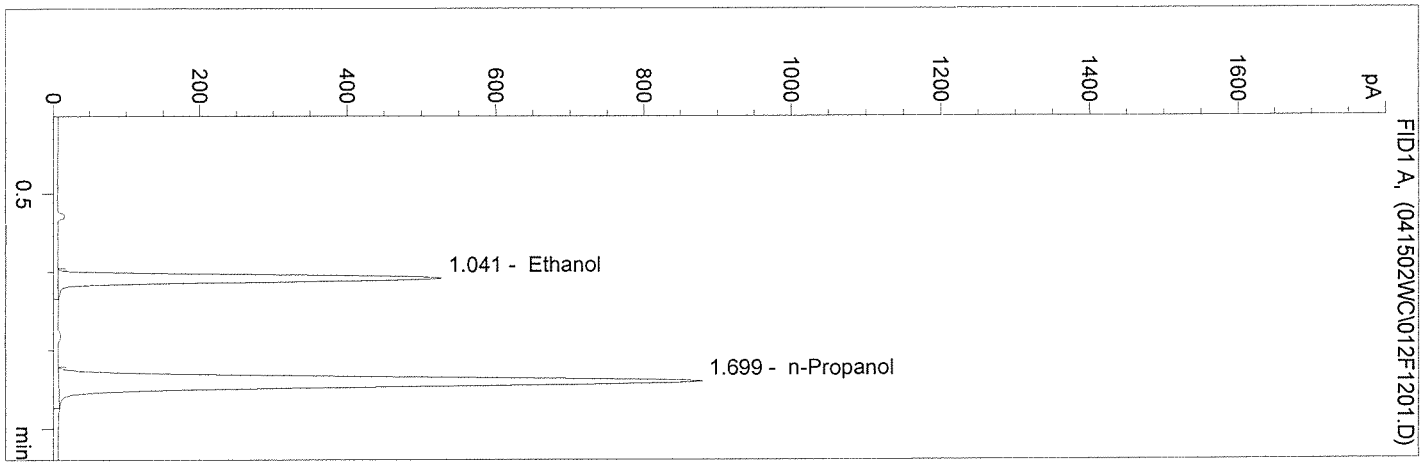
Instrument 1
DB-ALC1

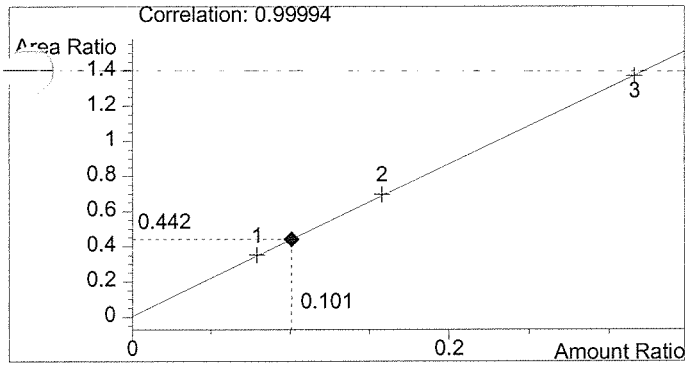
SIM 02008
WP MARSHALL

vial # 12

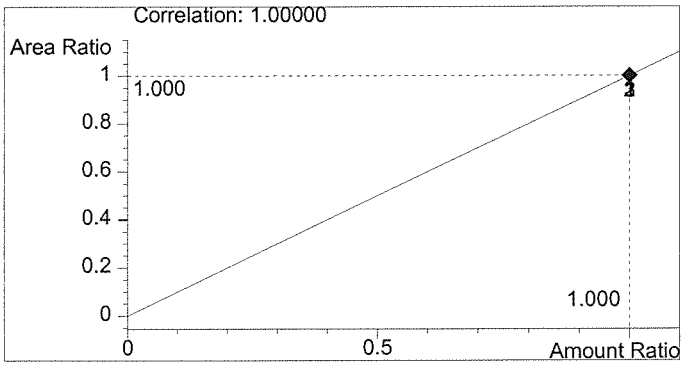


#	Compound	Area	RT
1	Ethanol	1637	1.041
2	n-Propanol	3706	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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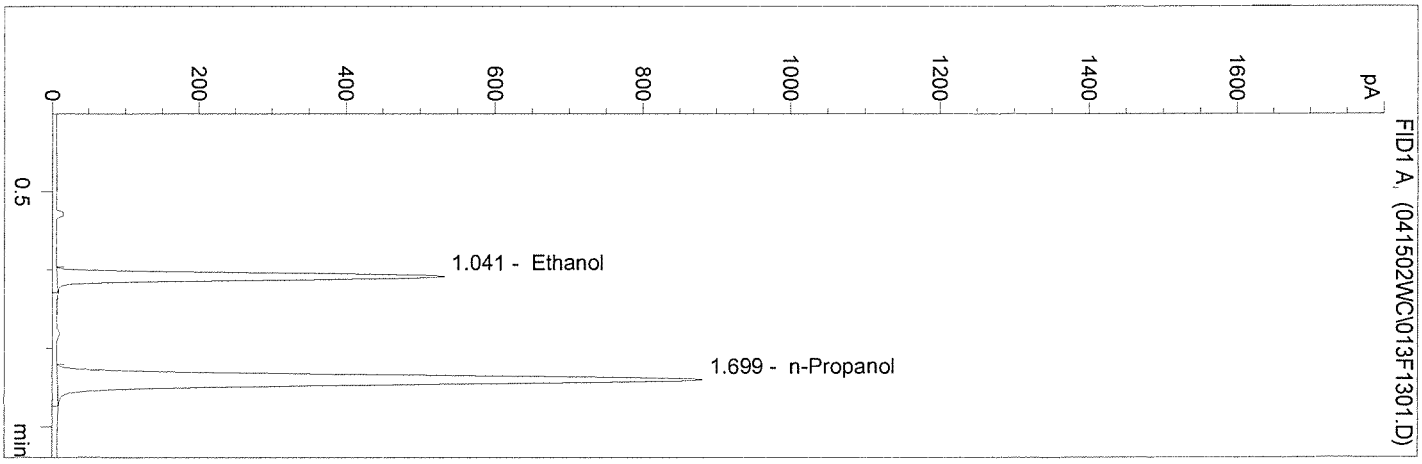
4/15/02 8:44:44 AM
Instrument 1
DB-ALC1

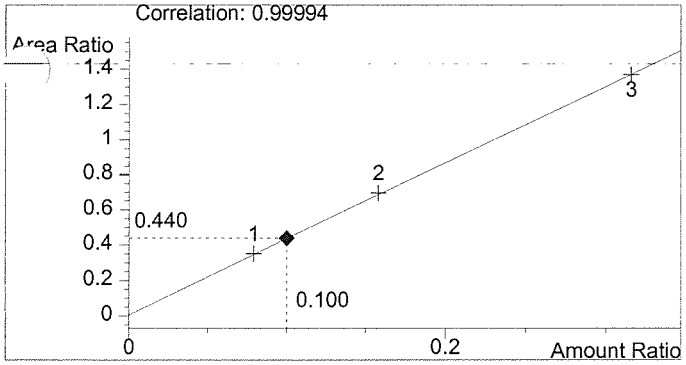
SIM 02008
WP MARSHALL

vial # 13

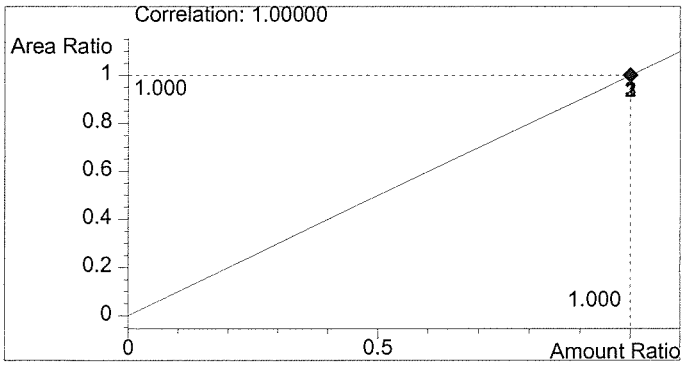


#	Compound	Area	RT
1	Ethanol	1625	1.041
2	n-Propanol	3696	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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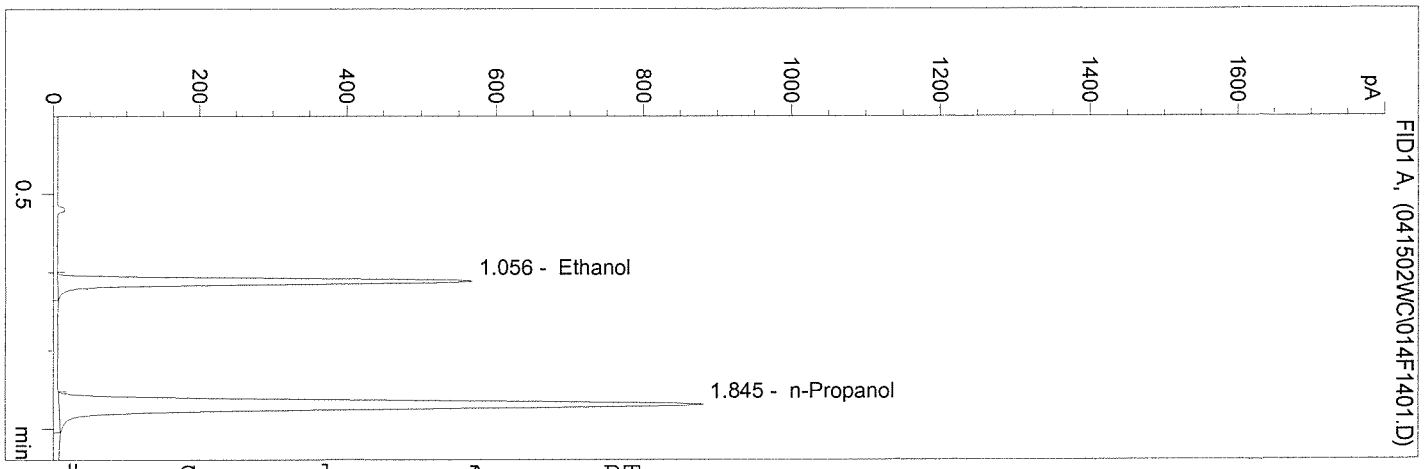
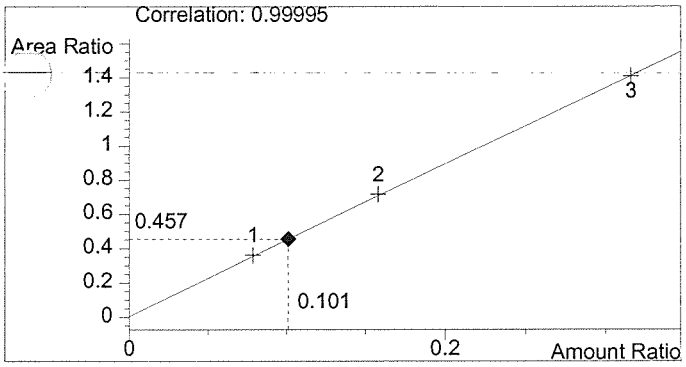
Instrument 2
DB-ALC1

SIM 02009
WP MARSHALL

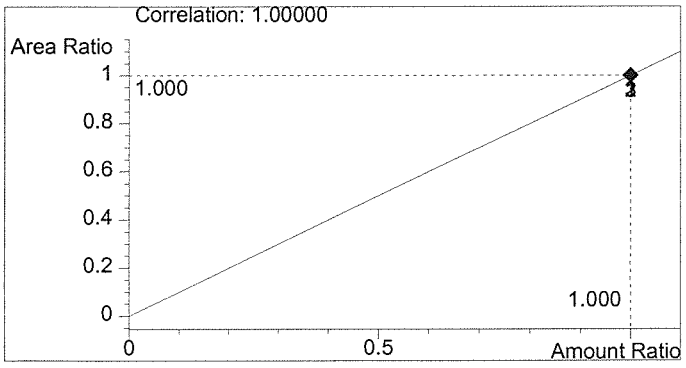
vial # 14



#	Compound	Area	RT
1	Ethanol	1529	1.056
2	n-Propanol	3348	1.845
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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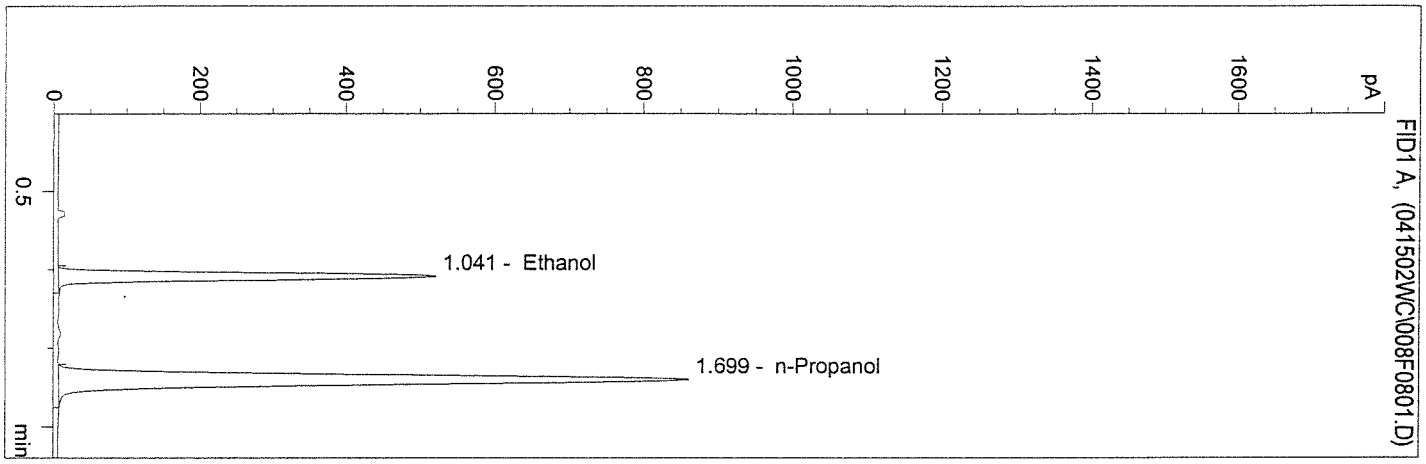
Instrument 1
DB-ALC1

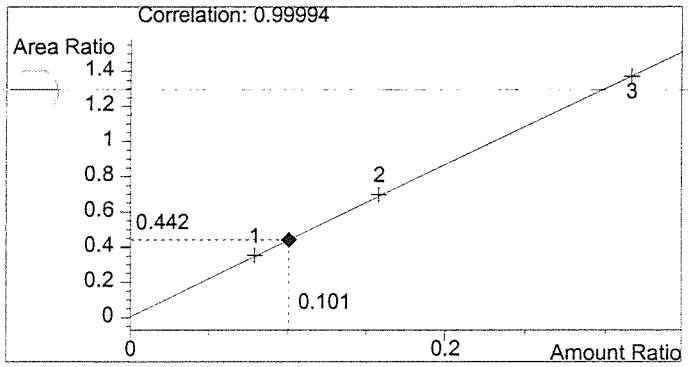
0.101 CAP WPM
WP MARSHALL

vial # 8

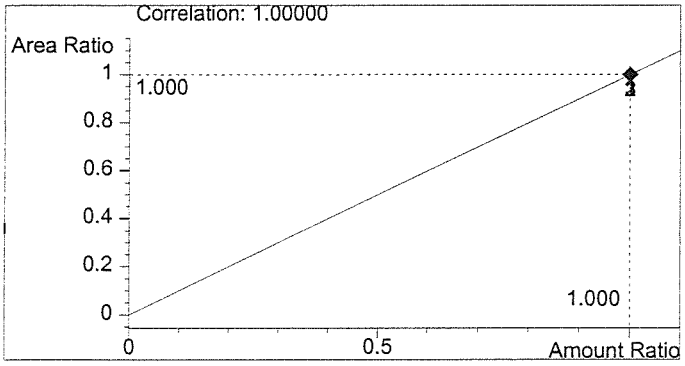


#	Compound	Area	RT
1	Ethanol	1601	1.041
2	n-Propanol	3623	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
DB-ALC1

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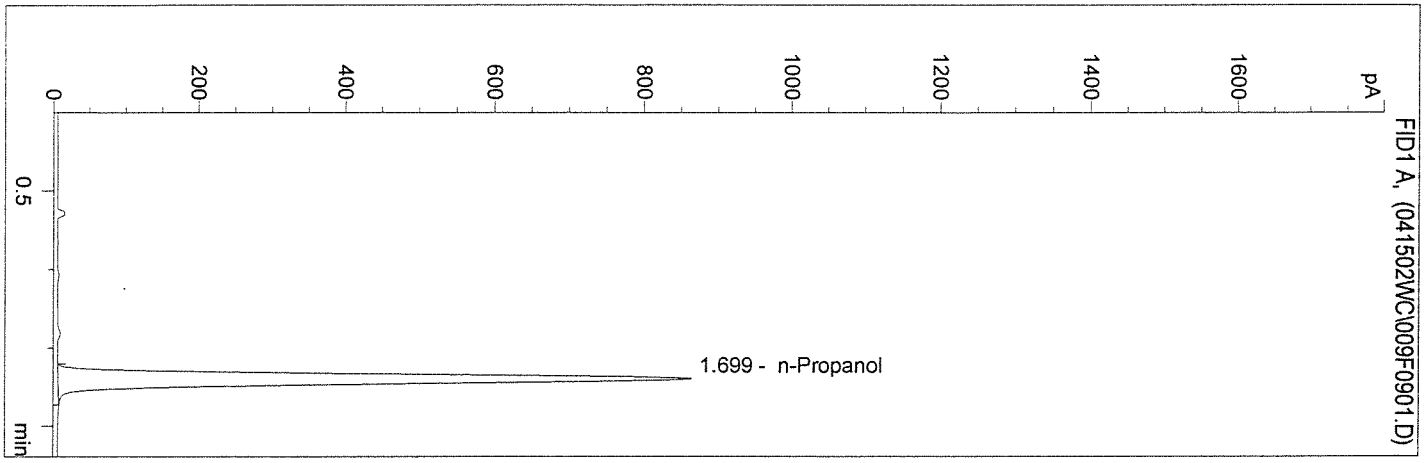
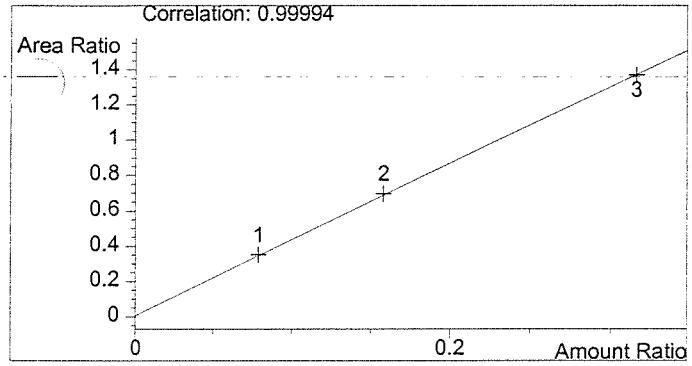
WP MARSHALL

vial # 9

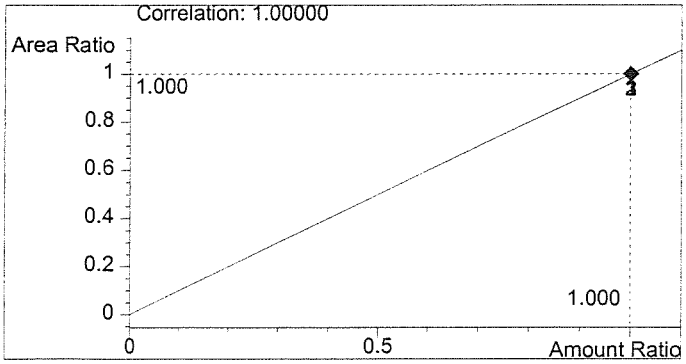


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3642	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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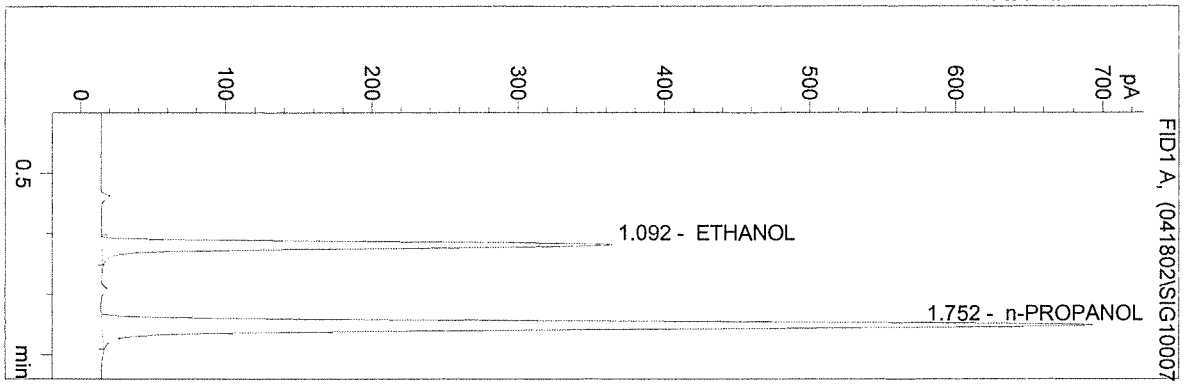
4/18/02 2:06:55 PM
Instrument 3
DB-ALC1

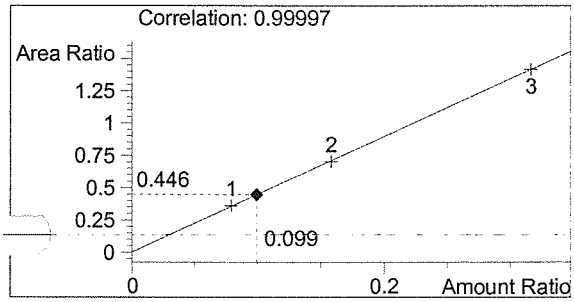
02008
ED FORMOSO

vial # 7

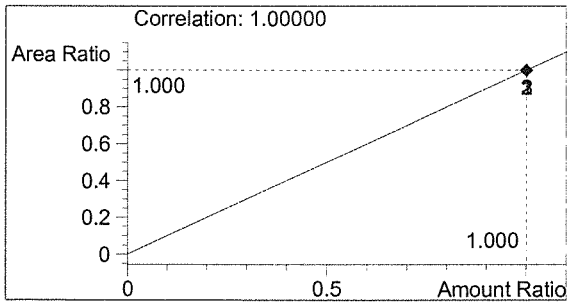


#	Compound	Area	RT
1	ETHANOL	1381	1.092
2	n-PROPANOL	3095	1.752

Totals:



ETHANOL 0.099 mg/L



n-PROPANOL 1.000 mg/L

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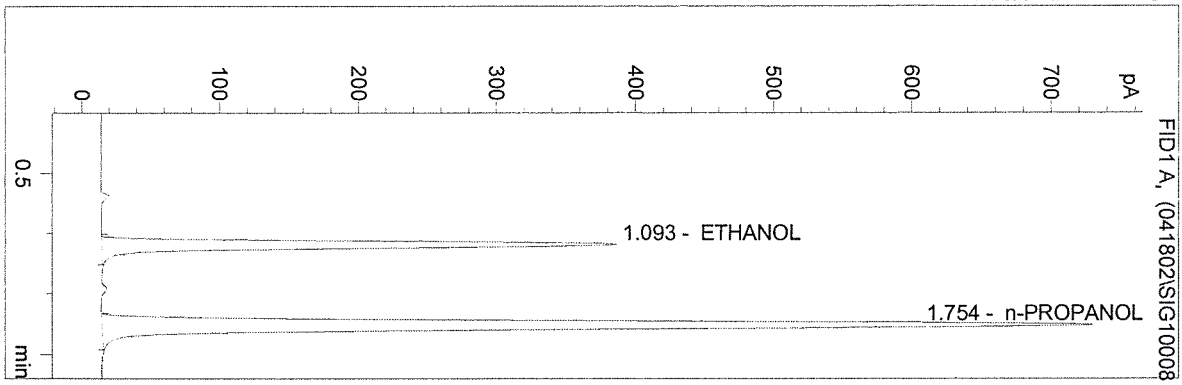
4/18/02 2:10:05 PM
Instrument 3
DB-ALC1

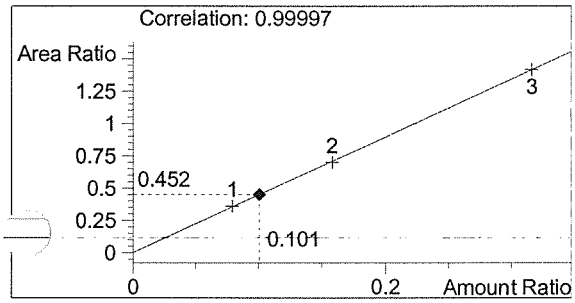
02008
ED FORMOSO

vial # 8

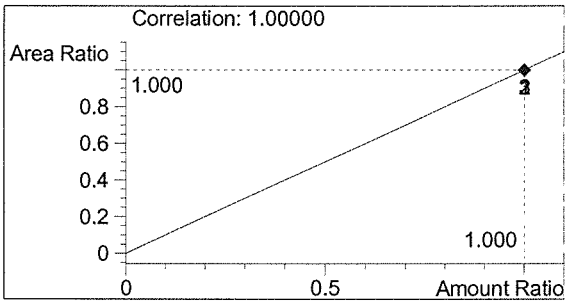


#	Compound	Area	RT
1	ETHANOL	1486	1.093
2	n-PROPANOL	3286	1.754

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
DB-ALC1

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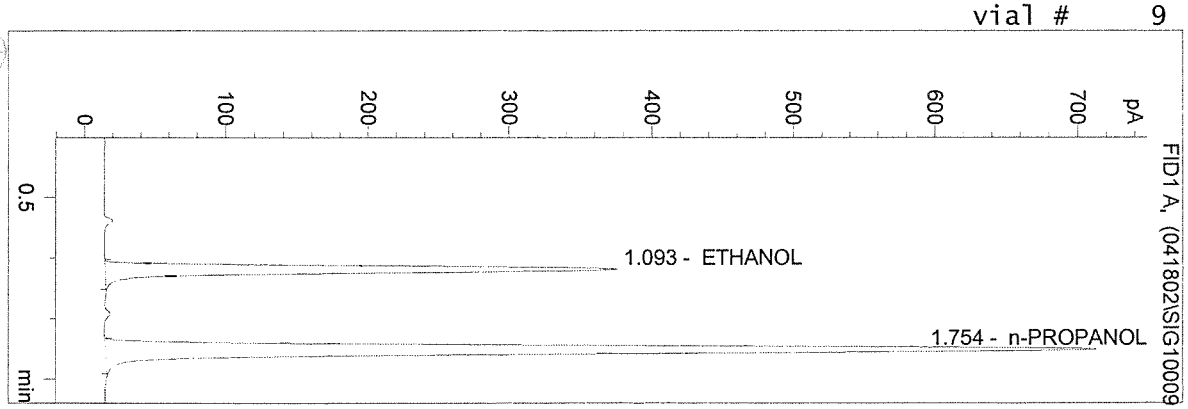
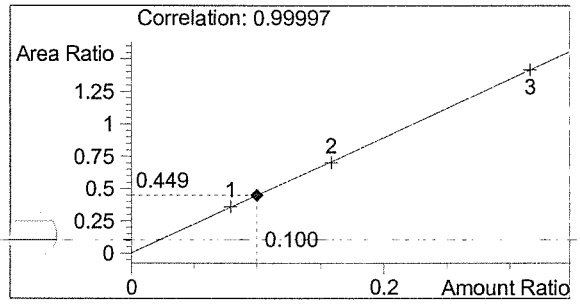
ED FORMOSO

vial # 9

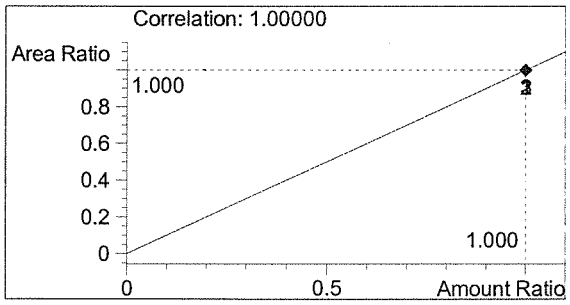


#	Compound	Area	RT
1	ETHANOL	1438	1.093
2	n-PROPANOL	3201	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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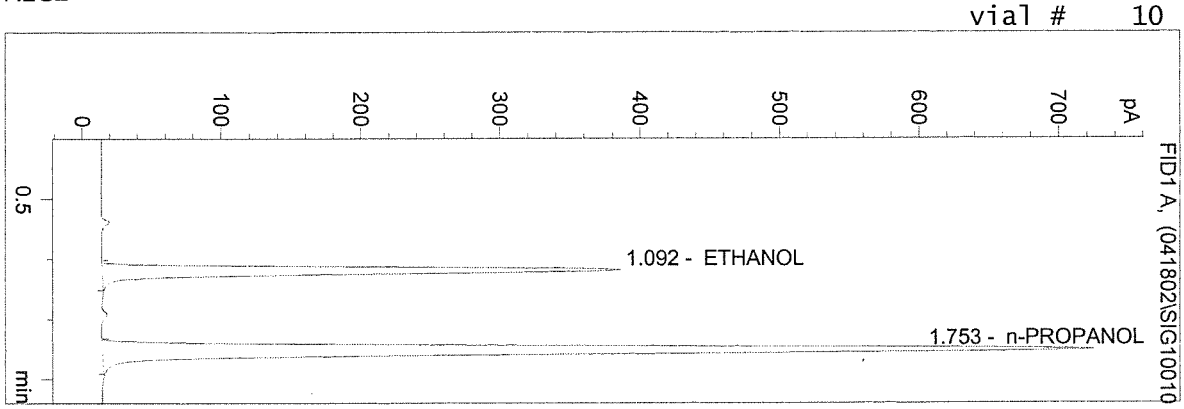
Instrument 3
DB-ALC1

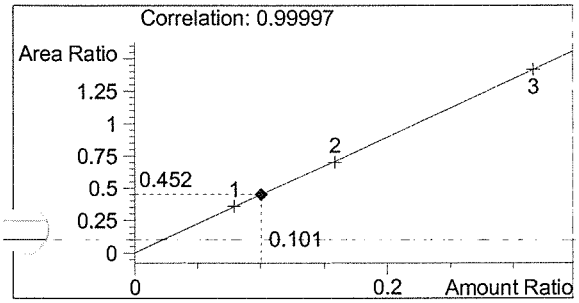
02008
ED FORMOSO

vial # 10

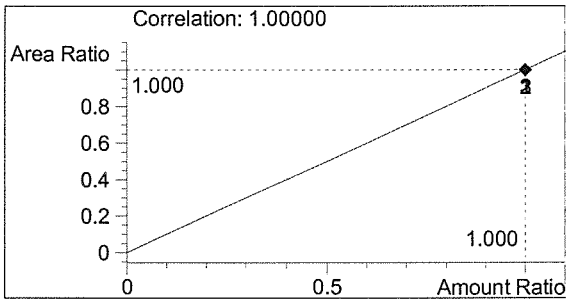


#	Compound	Area	RT
1	ETHANOL	1471	1.092
2	n-PROPANOL	3255	1.753

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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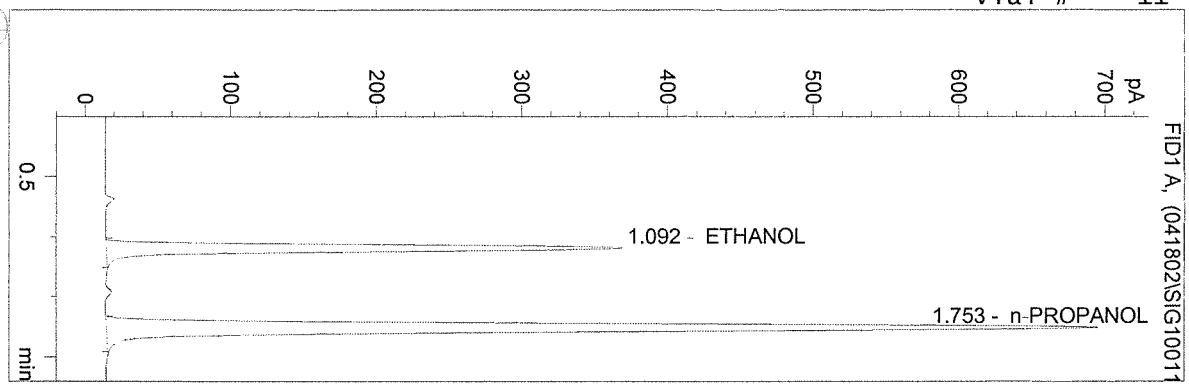
Instrument 3
DB-ALC1

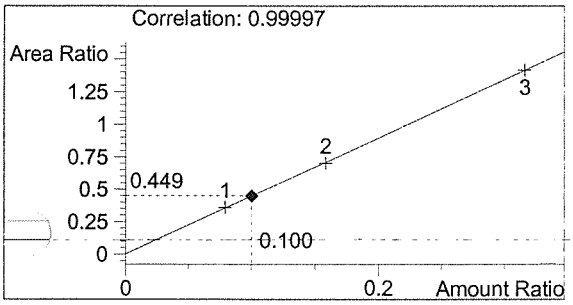
02008
ED FORMOSO

vial # 11

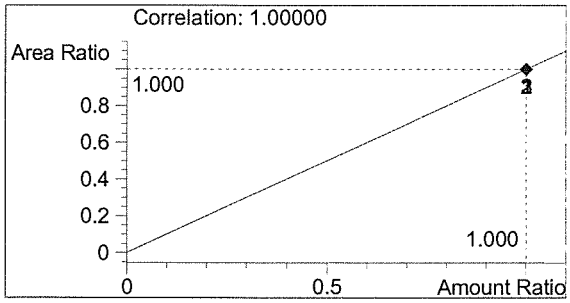


#	Compound	Area	RT
1	ETHANOL	1394	1.092
2	n-PROPANOL	3102	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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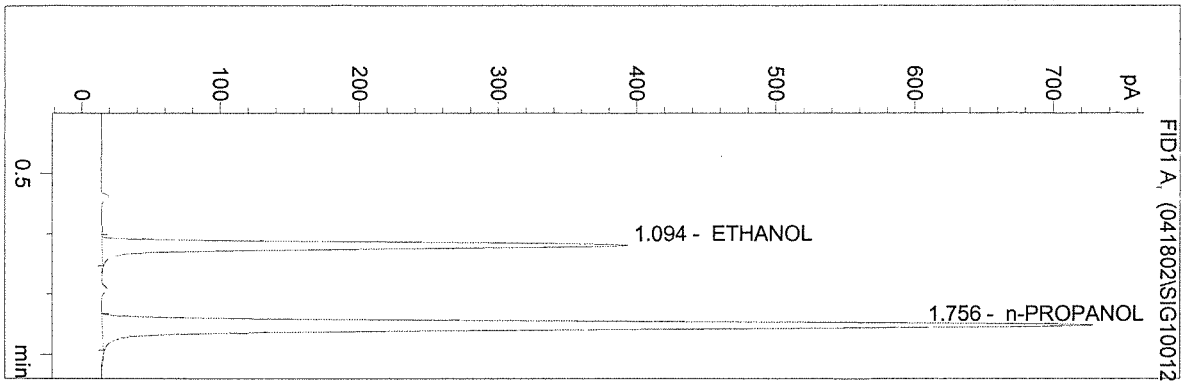
Instrument 3
DB-ALC1

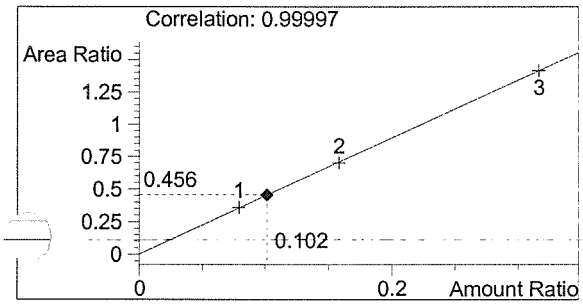
0.101 CAP
ED FORMOSO

vial # 12

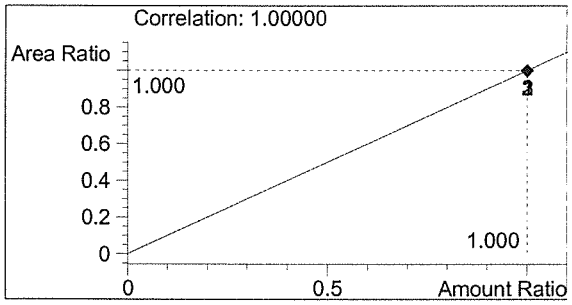


#	Compound	Area	RT
1	ETHANOL	1489	1.094
2	n-PROPANOL	3264	1.756

Totals:



ETHANOL 0.102 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
DB-ALC1

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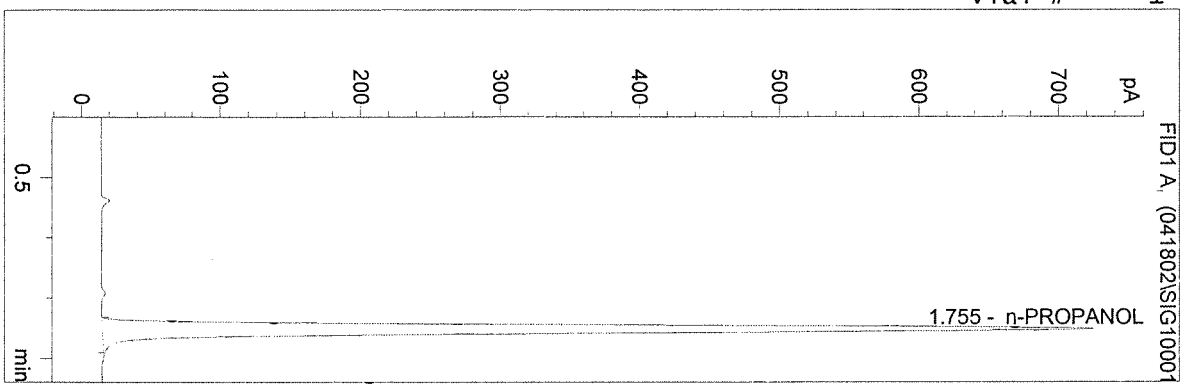
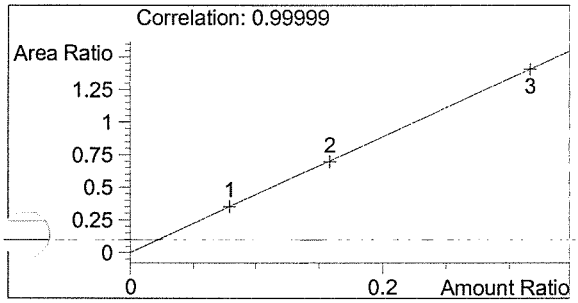
ED FORMOSO

vial # 1

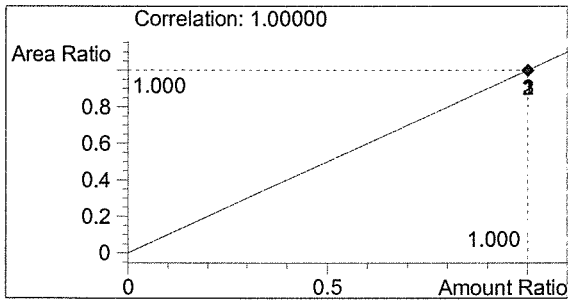


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3240	1.755

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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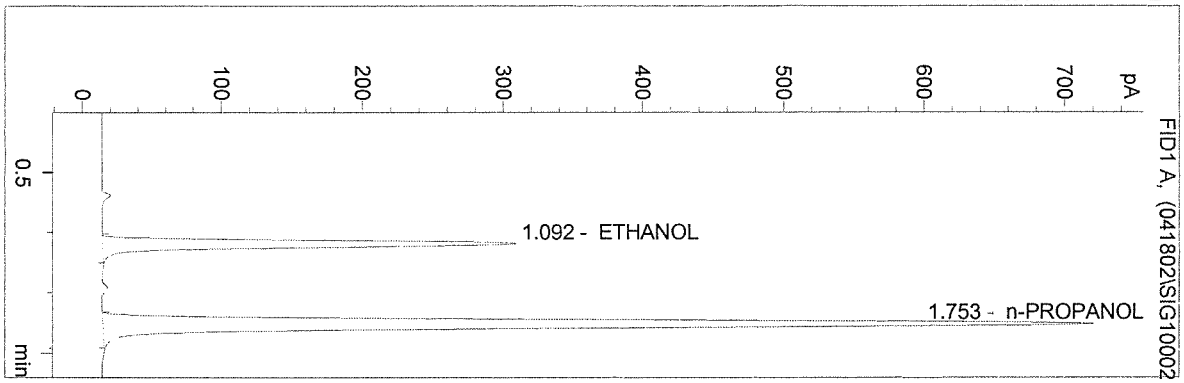
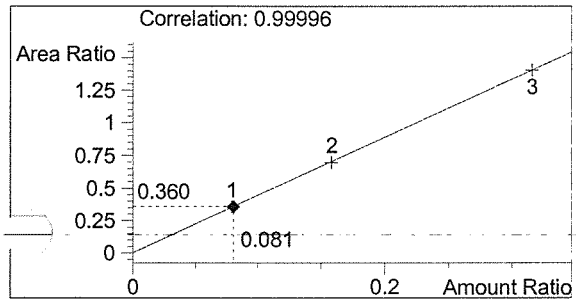
0.079 CAL
ED FORMOSO

vial # 2

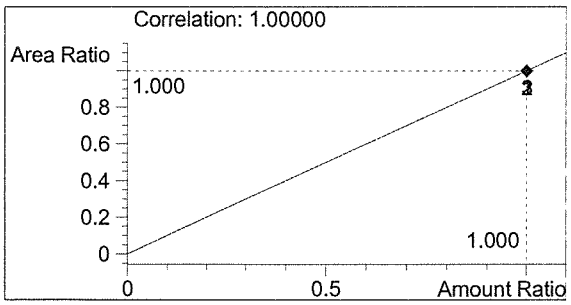


#	Compound	Area	RT
1	ETHANOL	1158	1.092
2	n-PROPANOL	3214	1.753

Totals:



ETHANOL 0.081 mg/L



n-PROPANOL 1.000 mg/L

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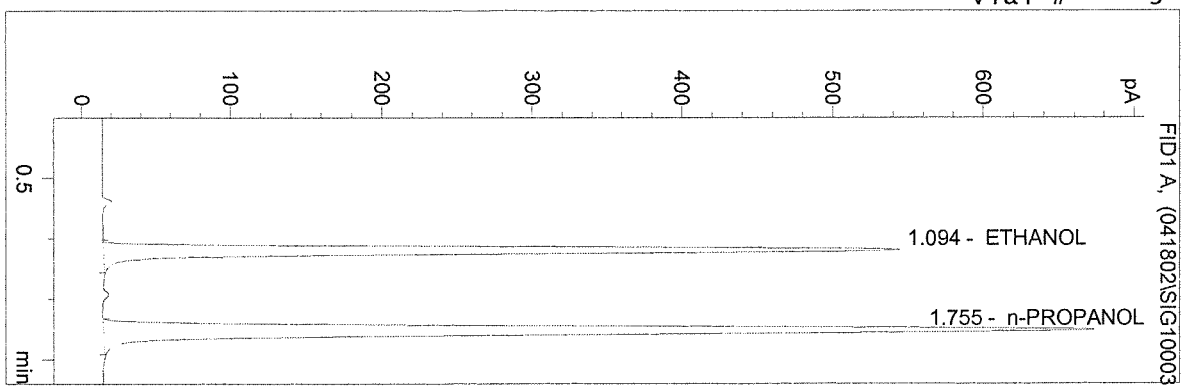
Instrument 3
DB-ALC1

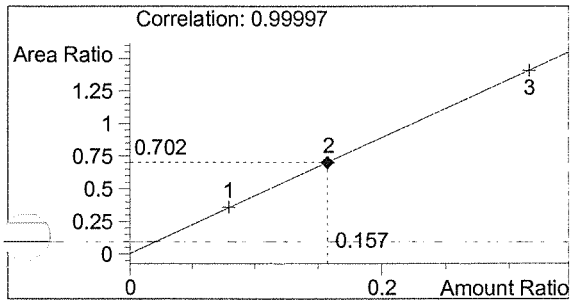
0.158 CAL
ED FORMOSO

vial # 3

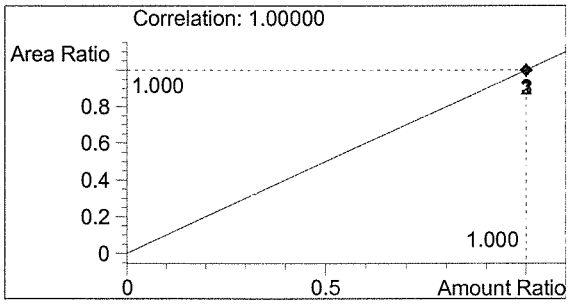


#	Compound	Area	RT
1	ETHANOL	2126	1.094
2	n-PROPANOL	3026	1.755

Totals:



ETHANOL 0.157 mg/L



n-PROPANOL 1.000 mg/L

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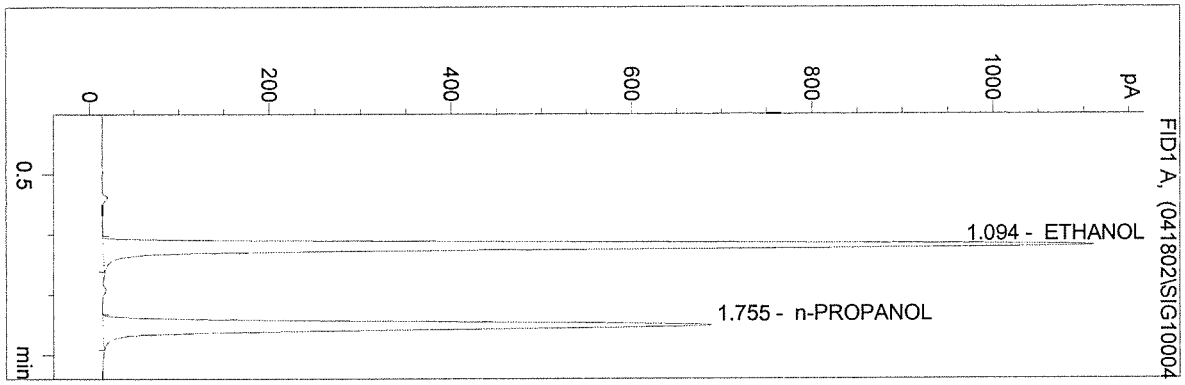
Instrument 3
DB-ALC1

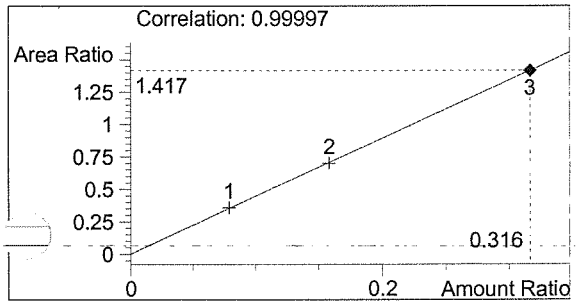
0.316 CAL
ED FORMOSO

vial # 4

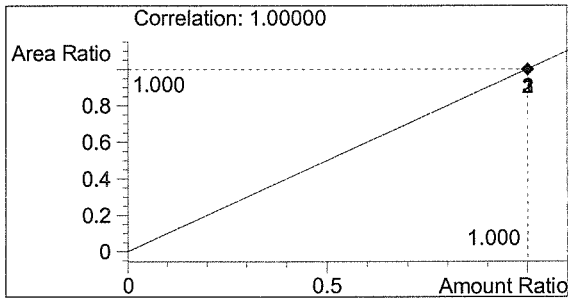


#	Compound	Area	RT
1	ETHANOL	4379	1.094
2	n-PROPANOL	3090	1.755

Totals:



ETHANOL 0.316 mg/L



n-PROPANOL 1.000 mg/L

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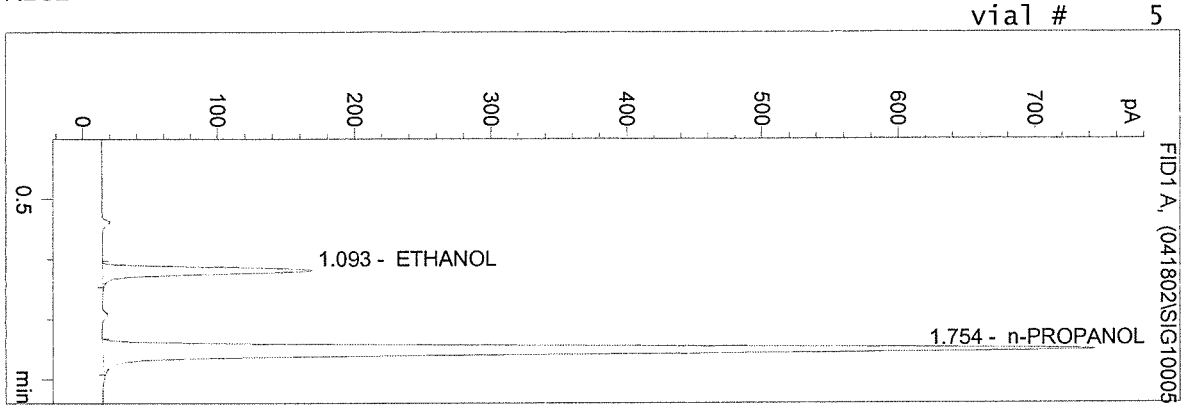
Instrument 3
DB-ALC1

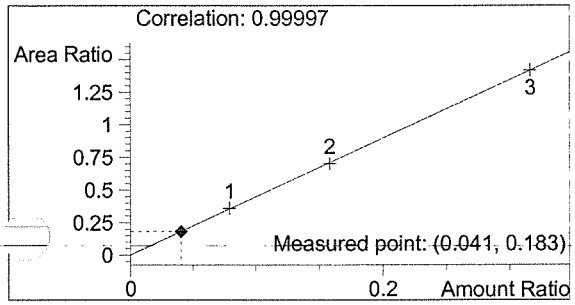
0.04 CAP
ED FORMOSO

vial # 5

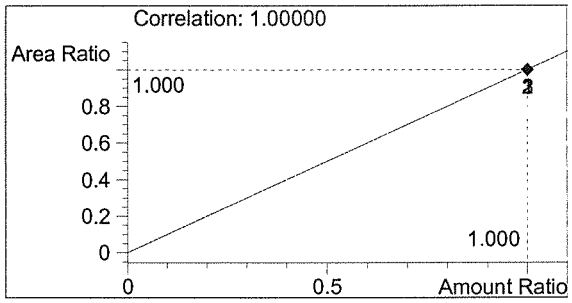


#	Compound	Area	RT
1	ETHANOL	608	1.093
2	n-PROPANOL	3324	1.754

Totals:



ETHANOL 0.041 mg/L



n-PROPANOL 1.000 mg/L

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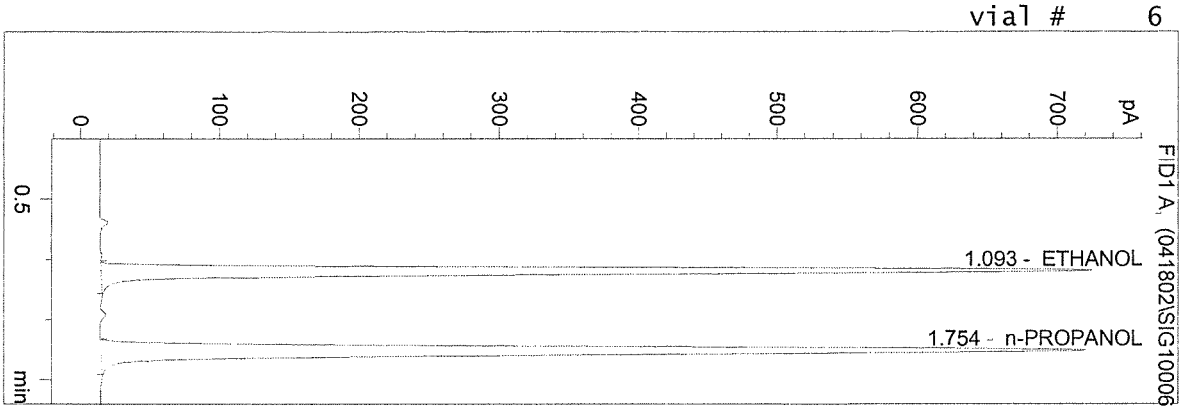
Instrument 3
DB-ALC1

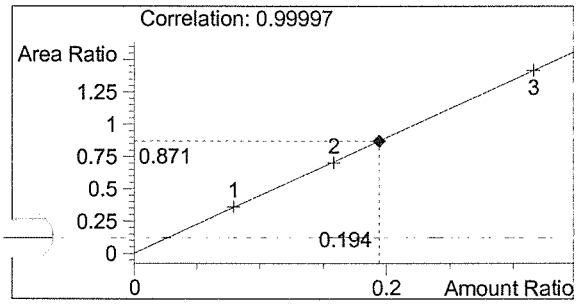
0.197 CAP
ED FORMOSO

vial # 6

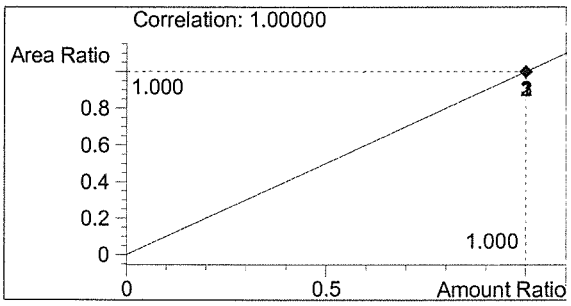


#	Compound	Area	RT
1	ETHANOL	2808	1.093
2	n-PROPANOL	3224	1.754

Totals:



ETHANOL 0.194 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 1
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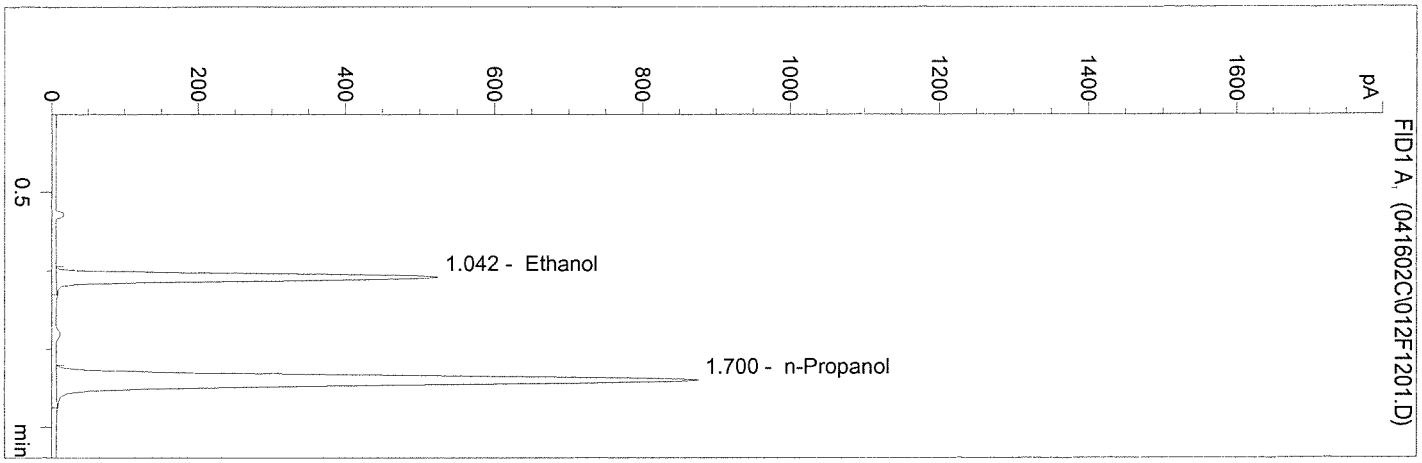
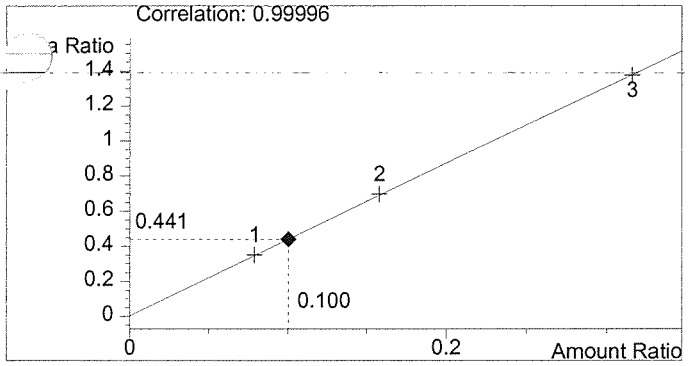
vial # 12

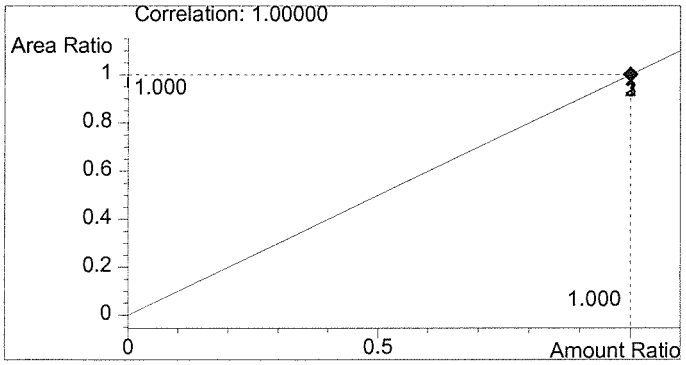


#	Compound	Area	RT
1	Ethanol	1633	1.042
2	n-Propanol	3702	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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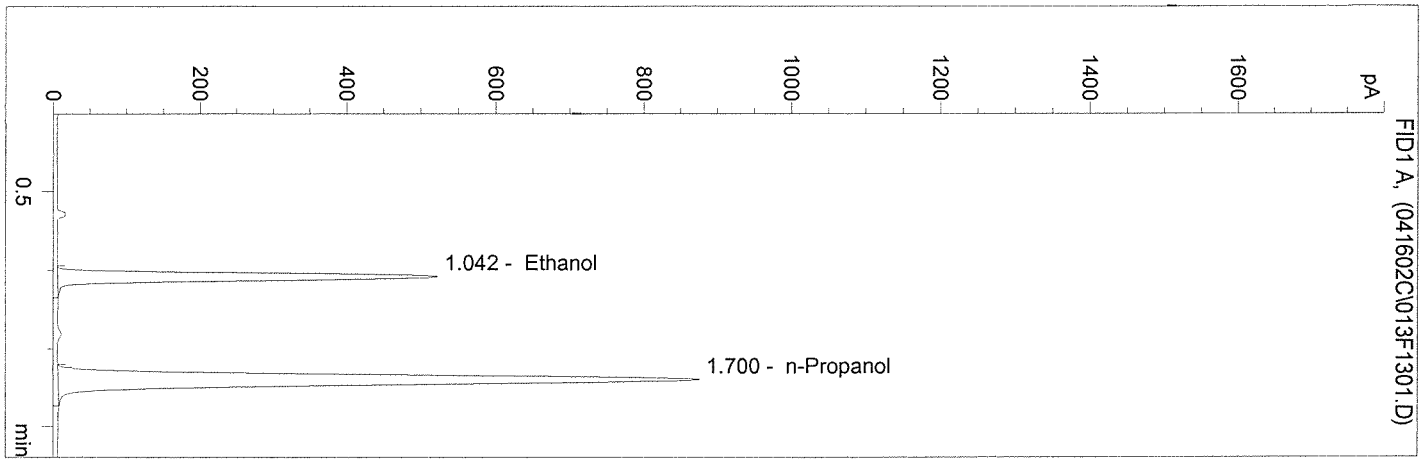
Instrument 1
-ALC1

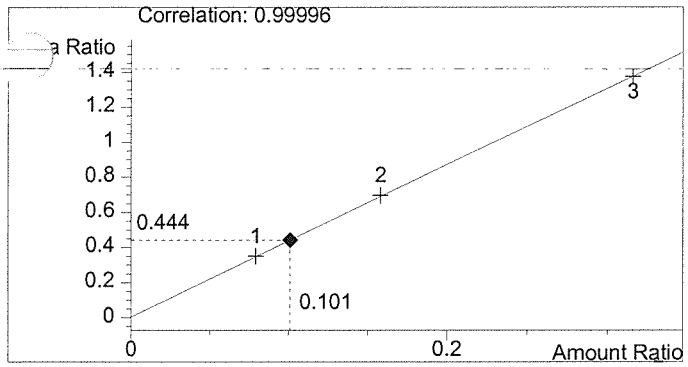
02008 SIM SOLN
M PEMBERTON

vial # 13

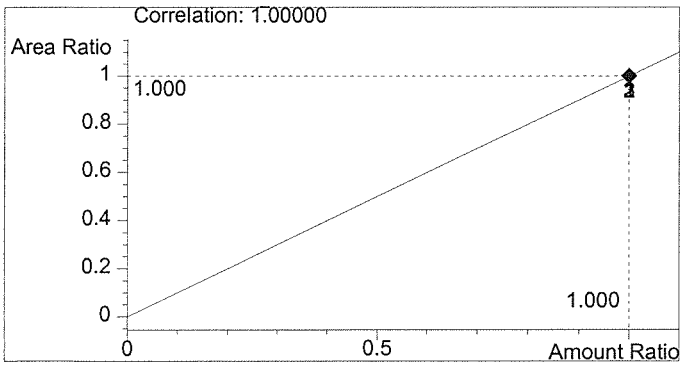


#	Compound	Area	RT
1	Ethanol	1646	1.042
2	n-Propanol	3710	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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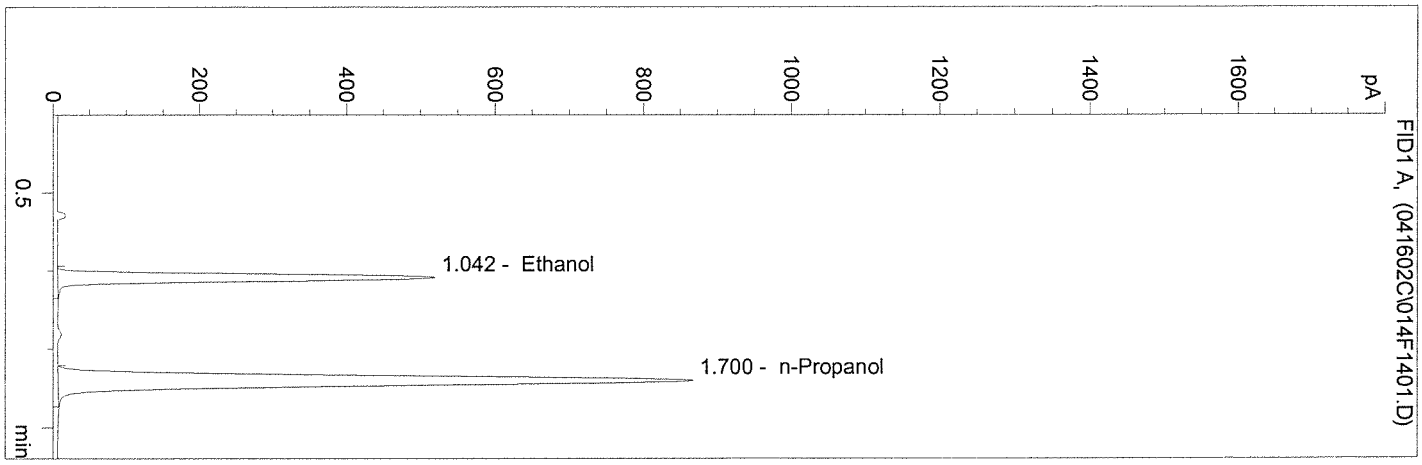
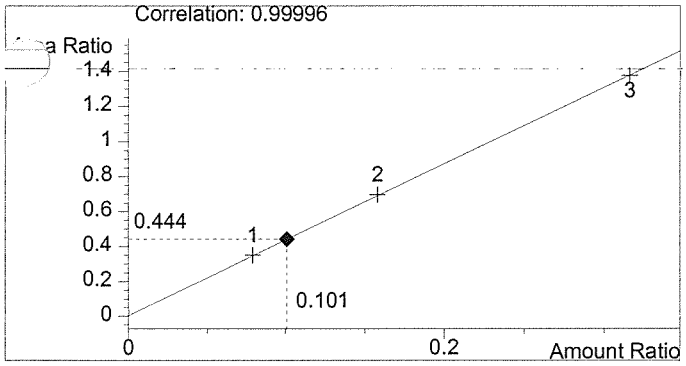
02008 SIM SOLN
M PEMBERTON

vial # 14

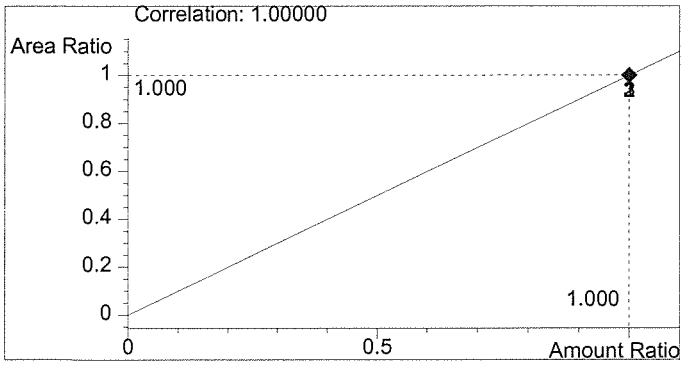


#	Compound	Area	RT
1	Ethanol	1634	1.042
2	n-Propanol	3685	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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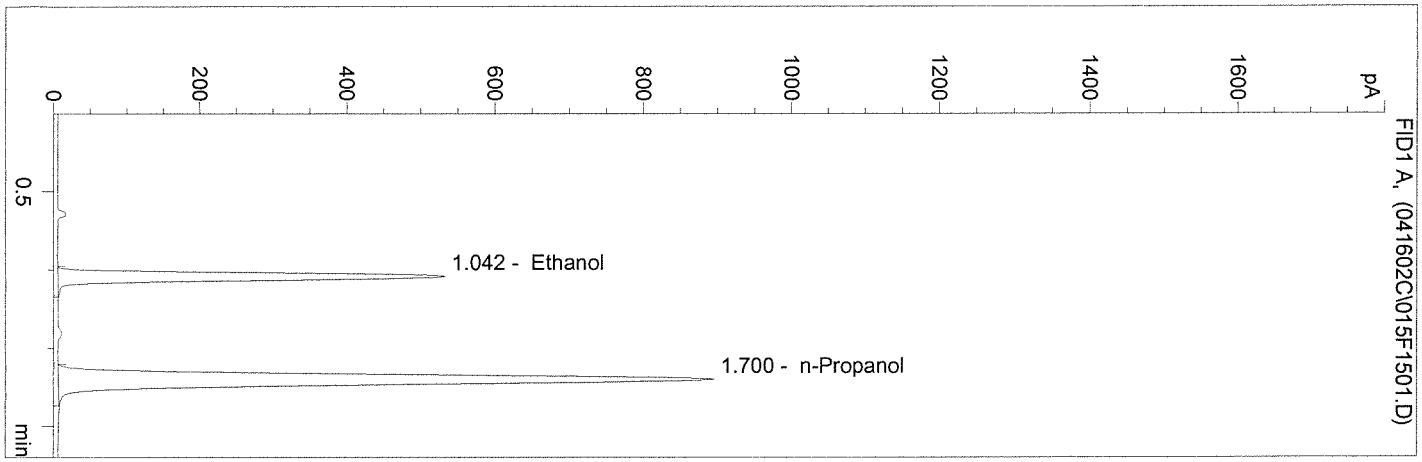
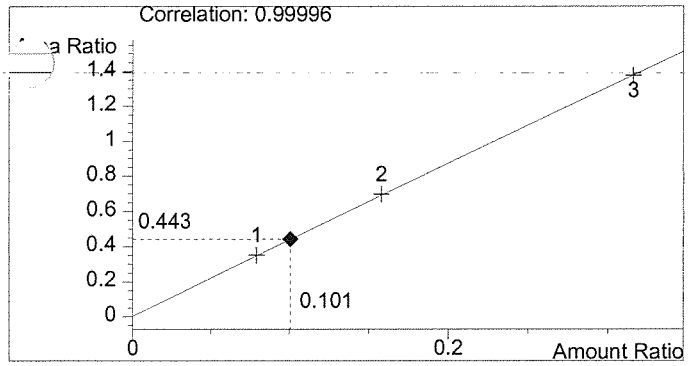
Instrument 1
[illegible]-ALC1

02008 SIM SOLN
M PEMBERTON

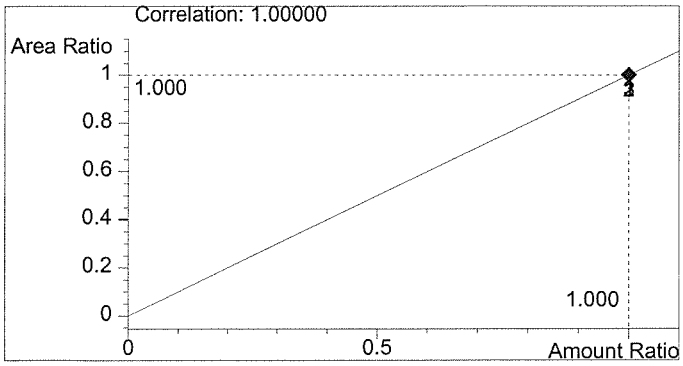
vial # 15



#	Compound	Area	RT
1	Ethanol	1680	1.042
2	n-Propanol	3797	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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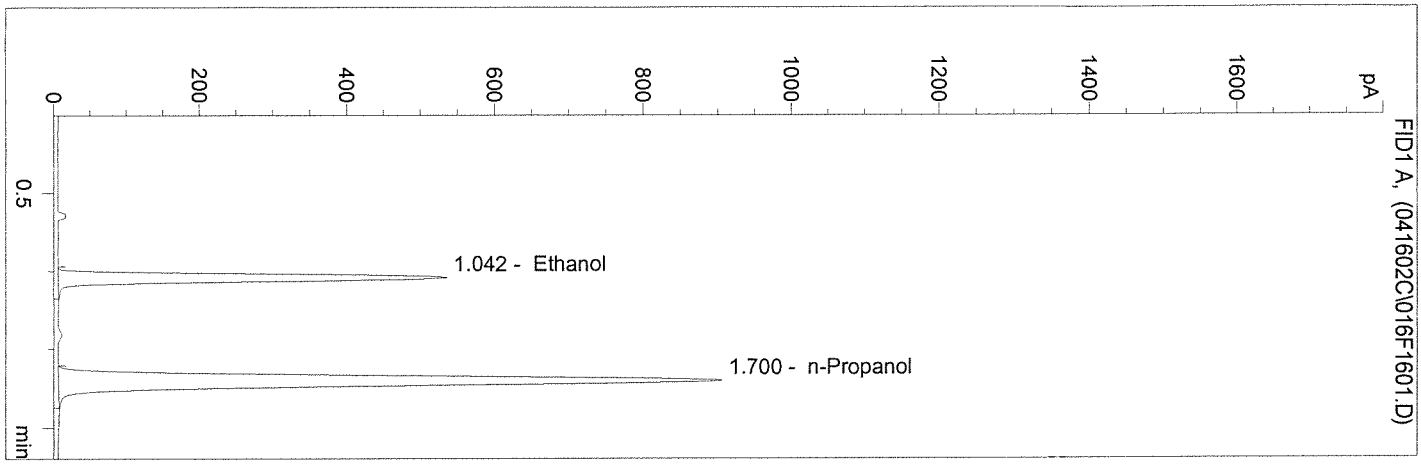
Instrument 1
-ALC1

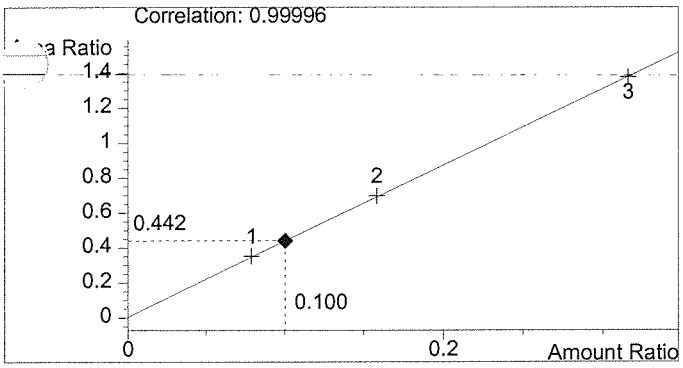
02008 SIM SOLN
M PEMBERTON

vial # 16

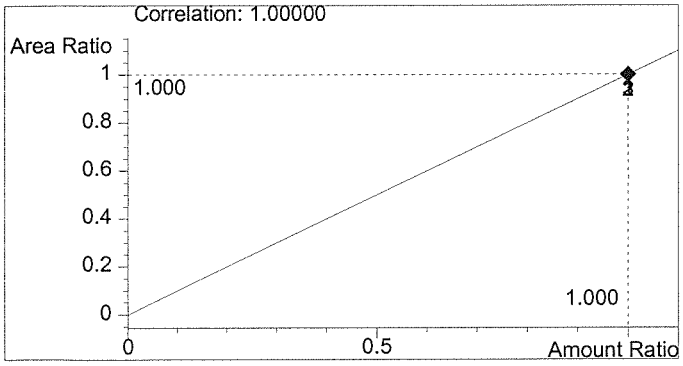


#	Compound	Area	RT
1	Ethanol	1698	1.042
2	n-Propanol	3845	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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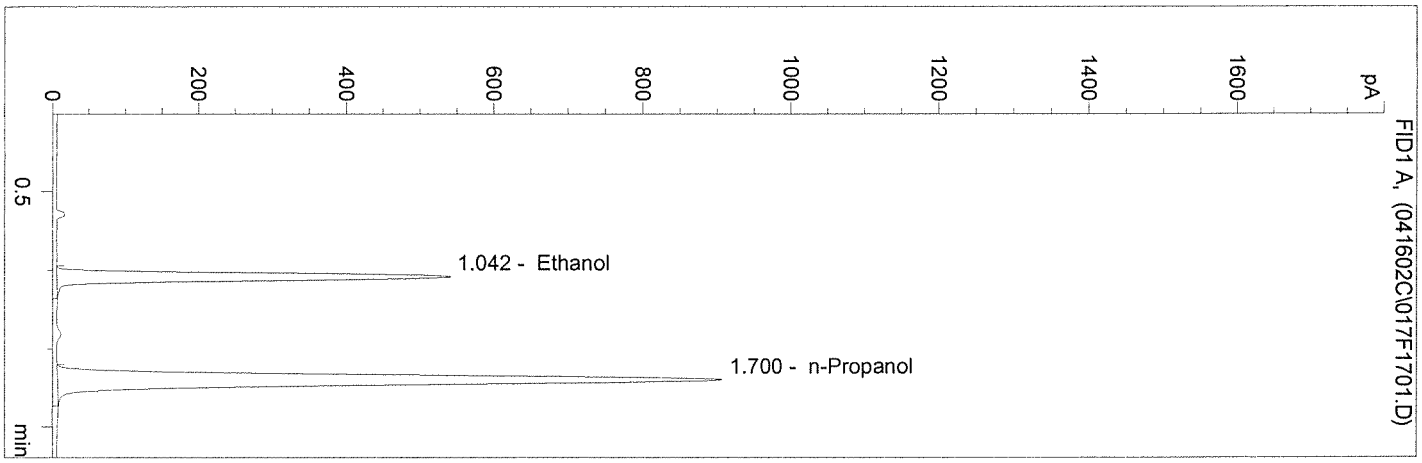
4/16/02 8:41:04 AM
Instrument 1
-ALC1

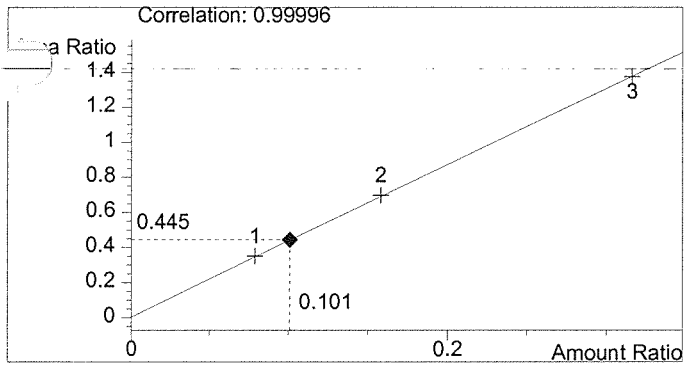
0.101 CAP
M PEMBERTON

vial # 17

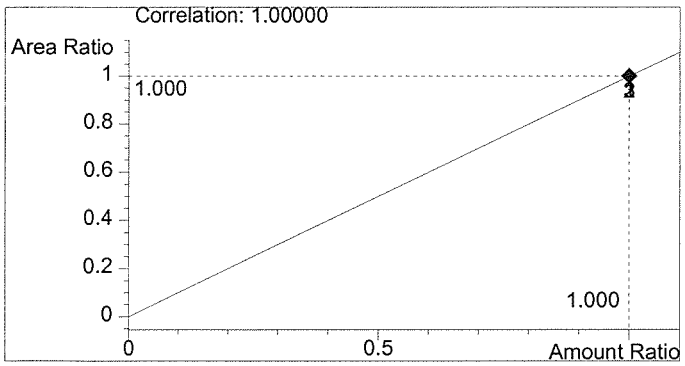


#	Compound	Area	RT
1	Ethanol	1709	1.042
2	n-Propanol	3845	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

Calibration Table

ETOH CALIBRATION

Calib. Data Modified : Friday, July 26, 2002 8:43:52 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 0.200 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 0.200 %
Abs. Non-ref. Window : 0.050 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Floating Average New 99%
Average Retention Time: Floating Average New 99%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

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

ISTD #	ISTD Amount [g/100ml]	Name
1	1.00000	n-PROPANOL

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100ml]	Area	Amt/Area	Ref	Grp	Name
1.094	1	1	7.90000e-2	1045.30701	7.55759e-5	1		ETHANOL
		2	1.58000e-1	2037.12793	7.75602e-5			
		3	3.16000e-1	4153.83398	7.60743e-5			
1.755	1	1	1.00000	3065.87964	3.26171e-4	I1		n-PROPANOL
		2	1.00000	3005.01953	3.32777e-4			
		3	1.00000	3093.01318	3.23309e-4			

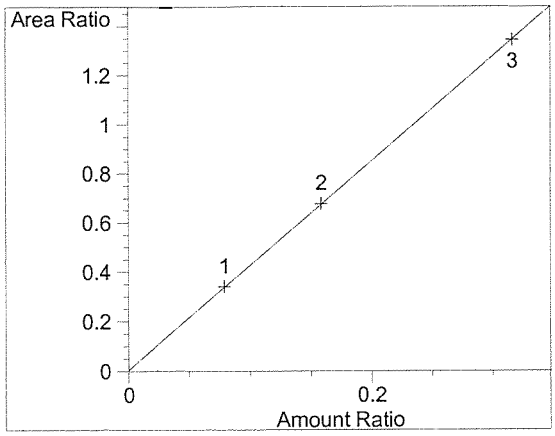
Peak Sum Table

No Entries in table

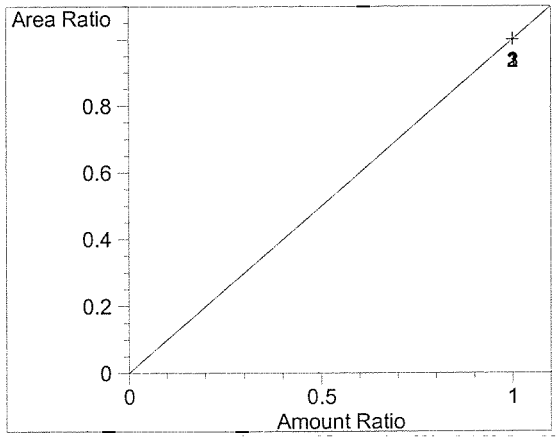
==========

Calibration Curves

==========



ETHANOL at exp. RT: 1.094
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00412
Formula: y = mx + b
m: 4.24659
b: 3.36642e-3
x: Amount Ratio
y: Area Ratio



n-PROPANOL at exp. RT: 1.755
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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Instrument 3
DB-ALC1

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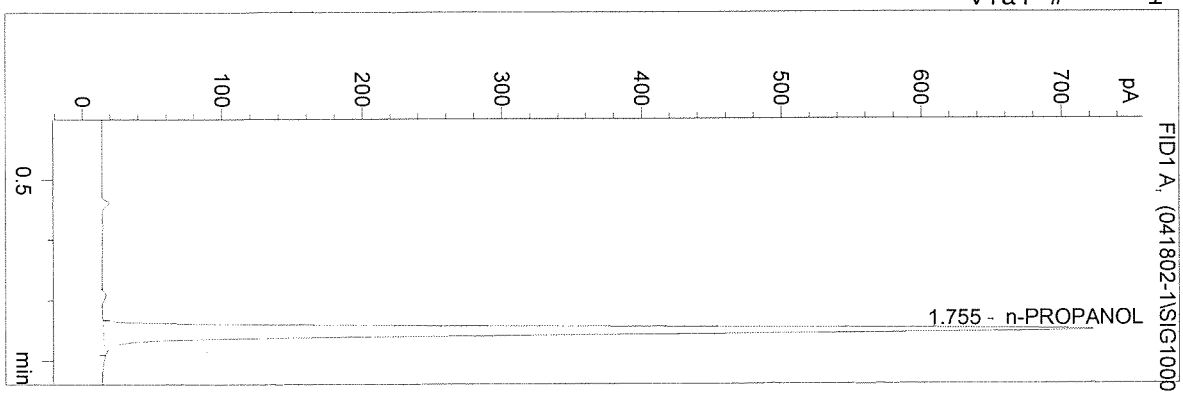
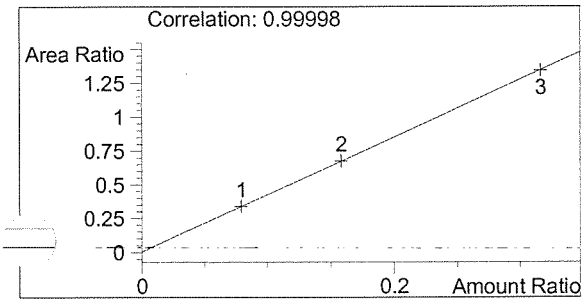
ANN MARIE GORDON

vial # 1

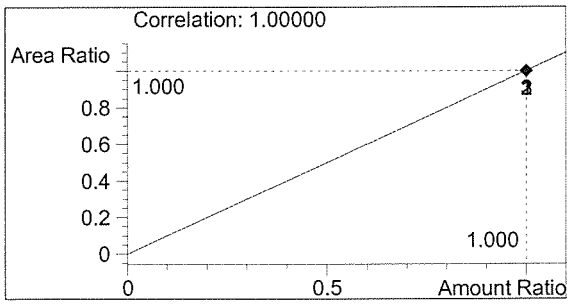


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3232	1.755

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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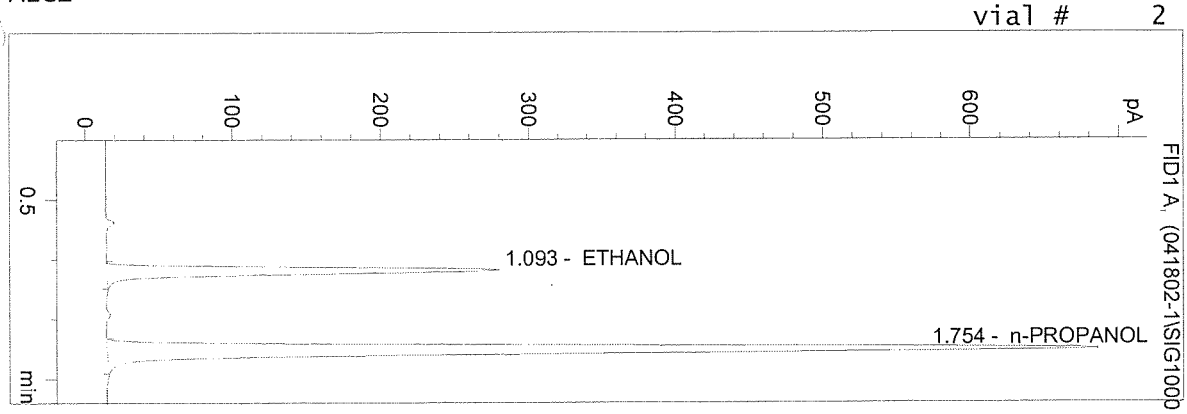
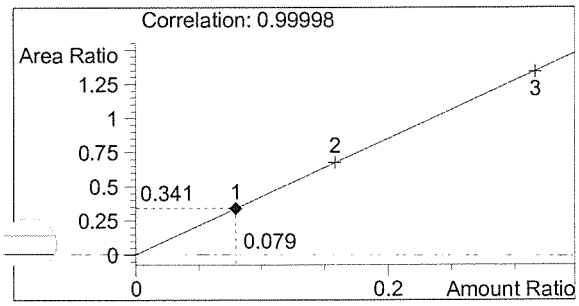
Instrument 3
DB-ALC1

0.079 CALIBRATOR
ANN MARIE GORDON

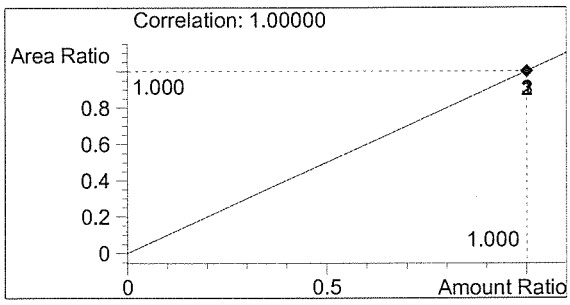
vial # 2



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



ETHANOL 0.079 mg/L



n-PROPANOL 1.000 mg/L

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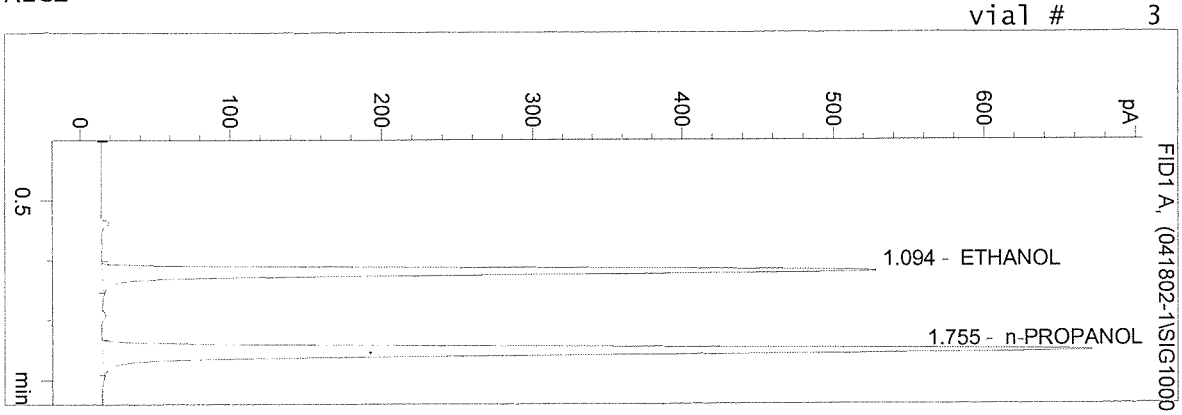
Instrument 3
DB-ALC1

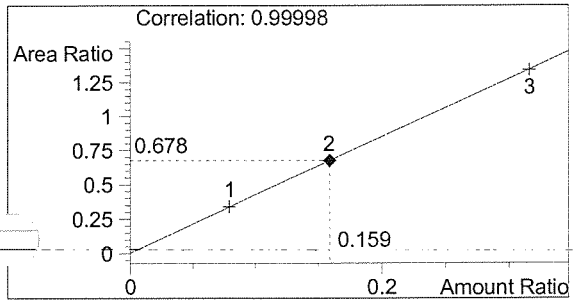
0.158 CALIBRATOR
ANN MARIE GORDON

vial # 3

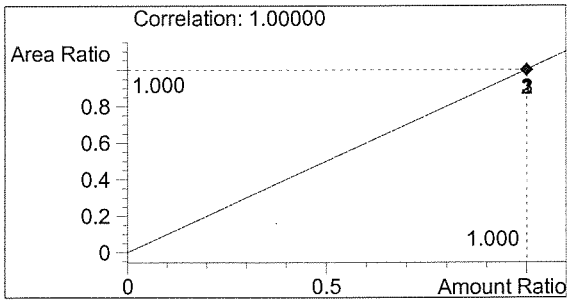


#	Compound	Area	RT
1	ETHANOL	2037	1.094
2	n-PROPANOL	3005	1.755

Totals:



ETHANOL 0.159 mg/L



n-PROPANOL 1.000 mg/L

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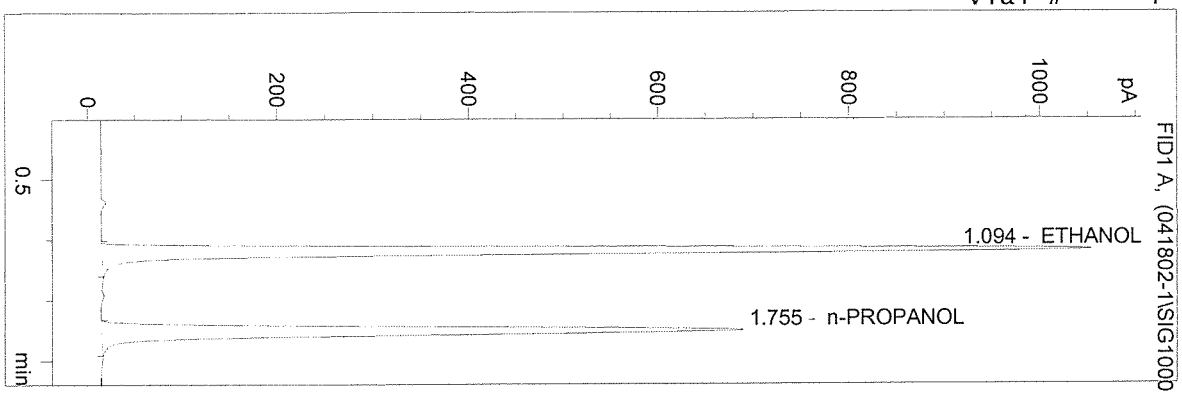
Instrument 3
DB-ALC1

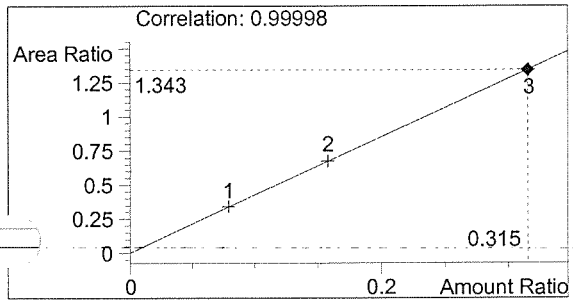
0.316 CALIBRATOR
ANN MARIE GORDON

vial # 4

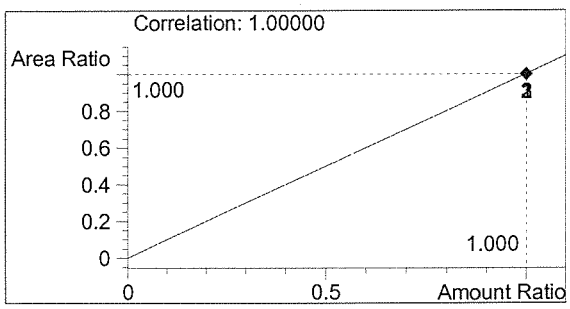


#	Compound	Area	RT
1	ETHANOL	4154	1.094
2	n-PROPANOL	3093	1.755

Totals:



ETHANOL 0.315 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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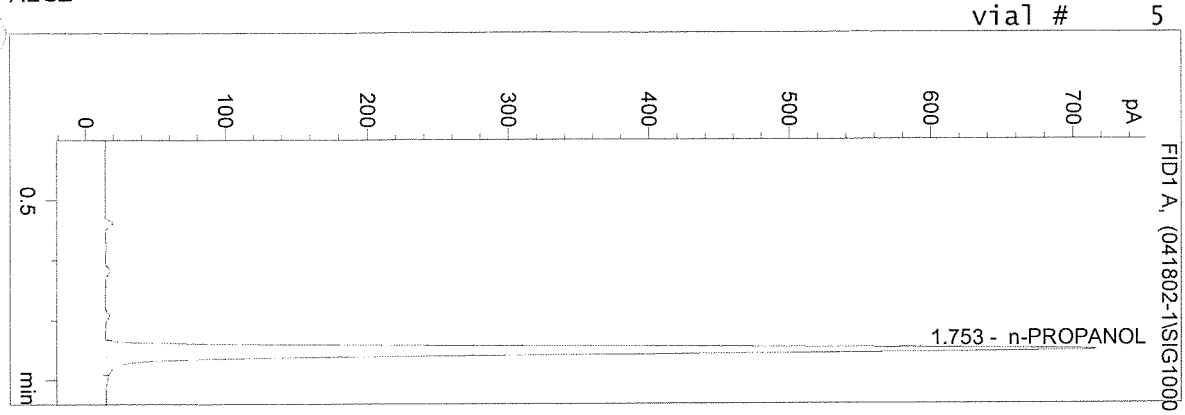
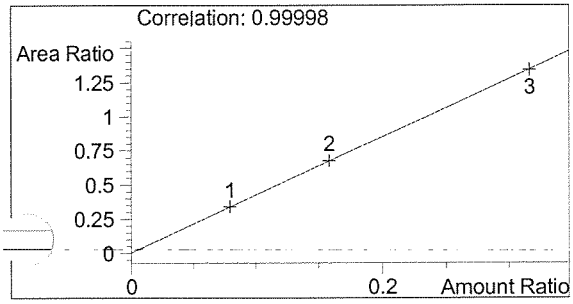
ANN MARIE GORDON

vial # 5

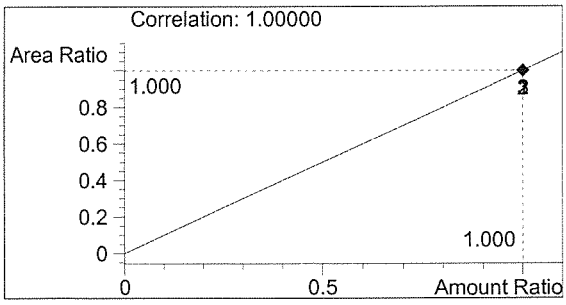


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3200	1.753

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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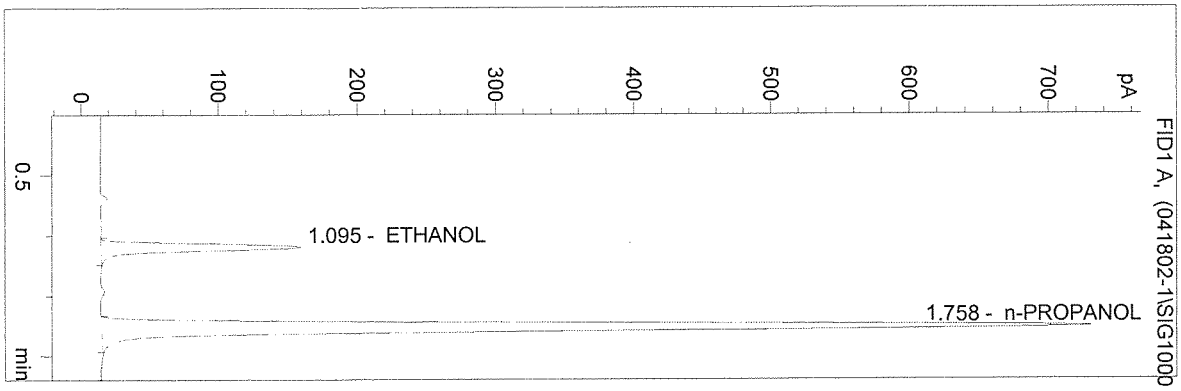
DB-ALC1

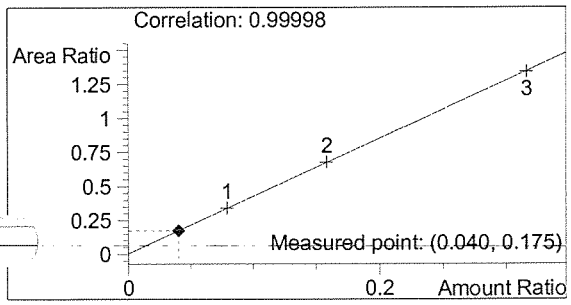
0.04 CTRL
ANN MARIE GORDON

vial # 6

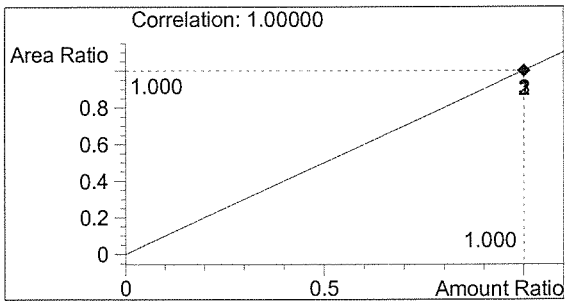


#	Compound	Area	RT
1	ETHANOL	570	1.095
2	n-PROPANOL	3258	1.758

Totals:



ETHANOL 0.040 mg/L



n-PROPANOL 1.000 mg/L

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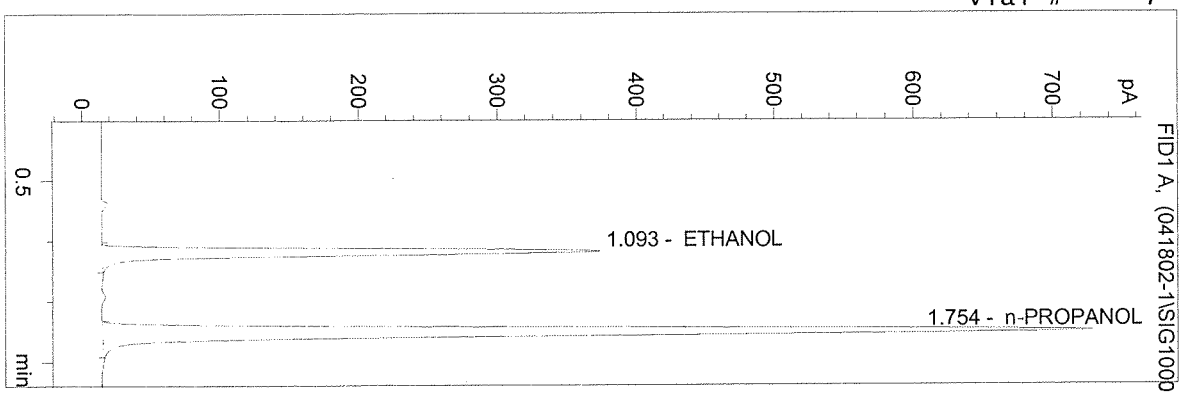
Instrument 3
DB-ALC1

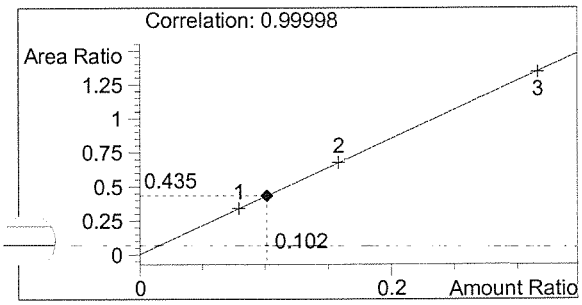
0.101 CTRL
ANN MARIE GORDON

vial # 7

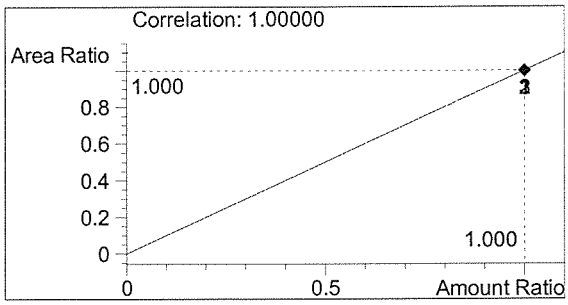


#	Compound	Area	RT
1	ETHANOL	1412	1.093
2	n-PROPANOL	3245	1.754

Totals:



ETHANOL 0.102 mg/L



n-PROPANOL 1.000 mg/L

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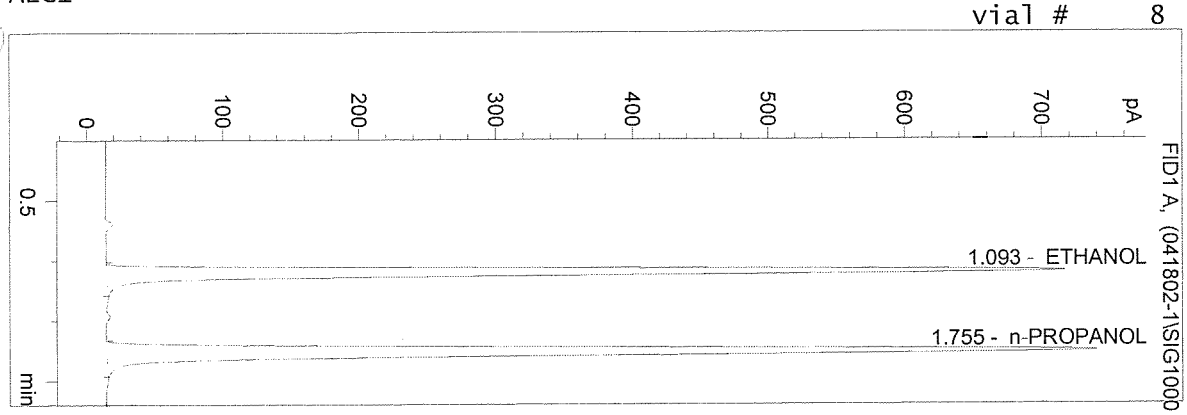
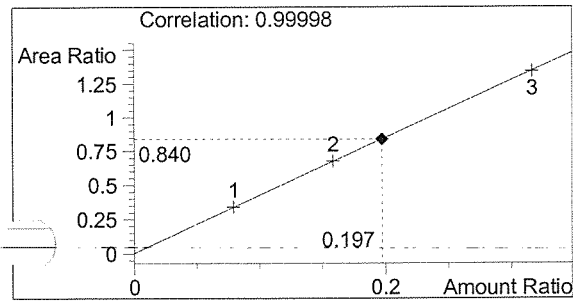
0.197 CTRL
ANN MARIE GORDON

vial # 8

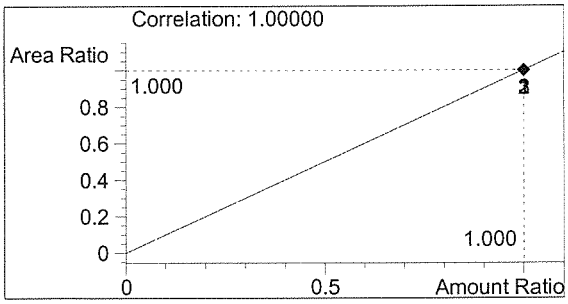


#	Compound	Area	RT
1	ETHANOL	2781	1.093
2	n-PROPANOL	3309	1.755

Totals:



ETHANOL 0.197 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
DB-ALC1

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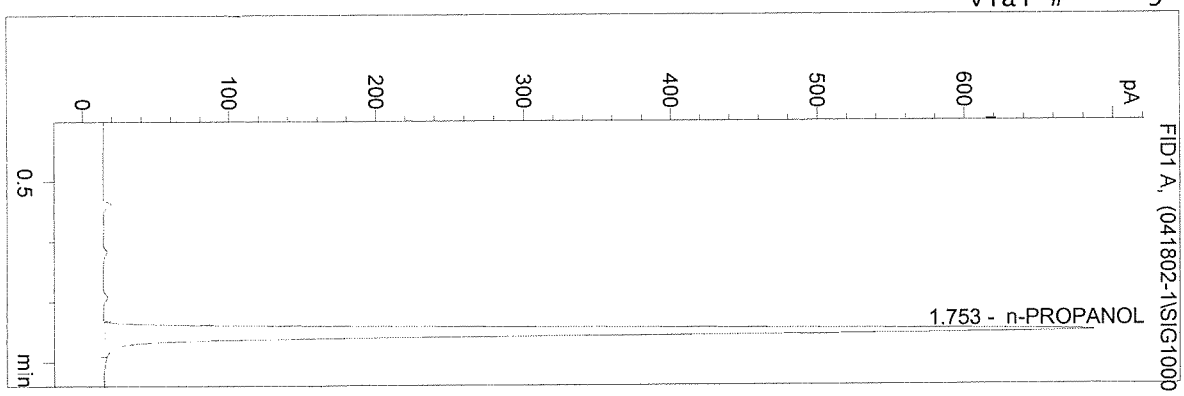
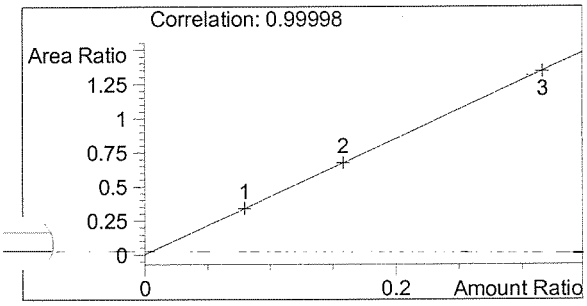
ANN MARIE GORDON

vial # 9

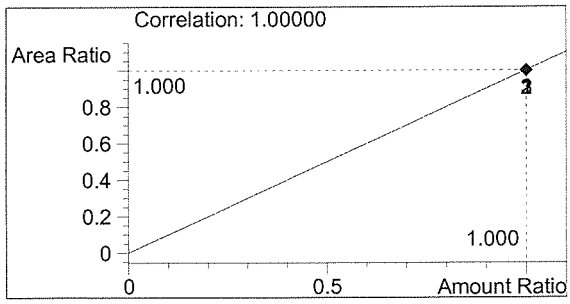


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3089	1.753

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

C:\HPCHEM\1\METHODS\BLDALCO3.M
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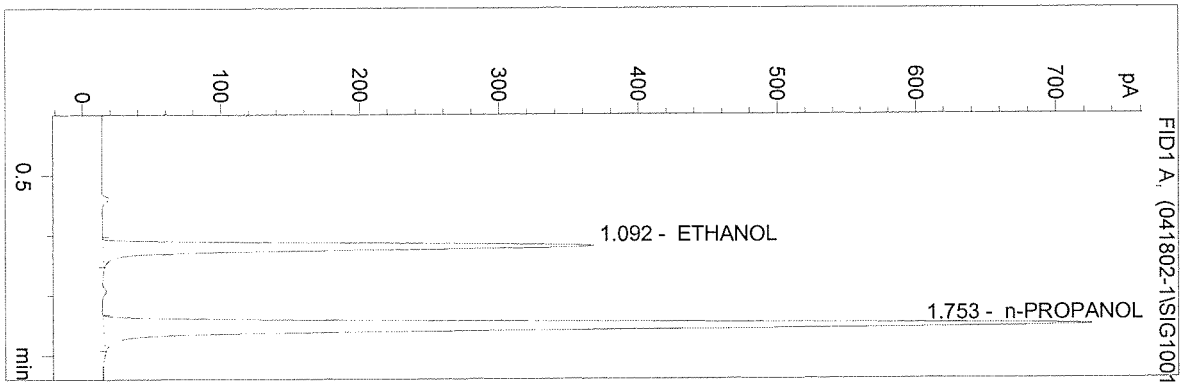
Instrument 3
DB-ALC1

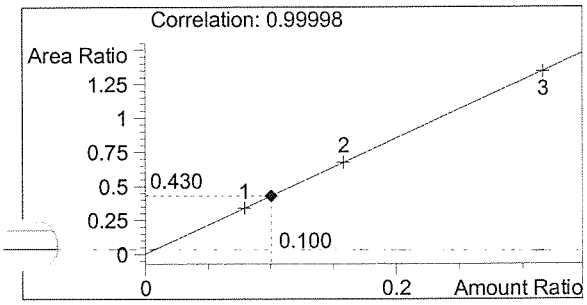
SIM 02008-1
ANN MARIE GORDON

vial # 10

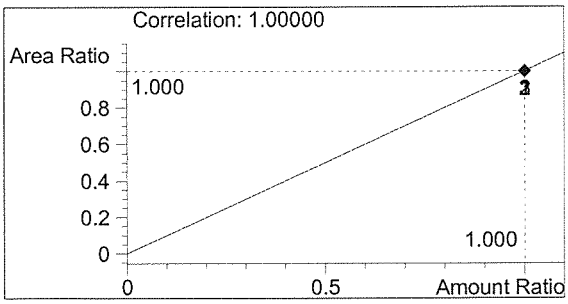


#	Compound	Area	RT
1	ETHANOL	1395	1.092
2	n-PROPANOL	3243	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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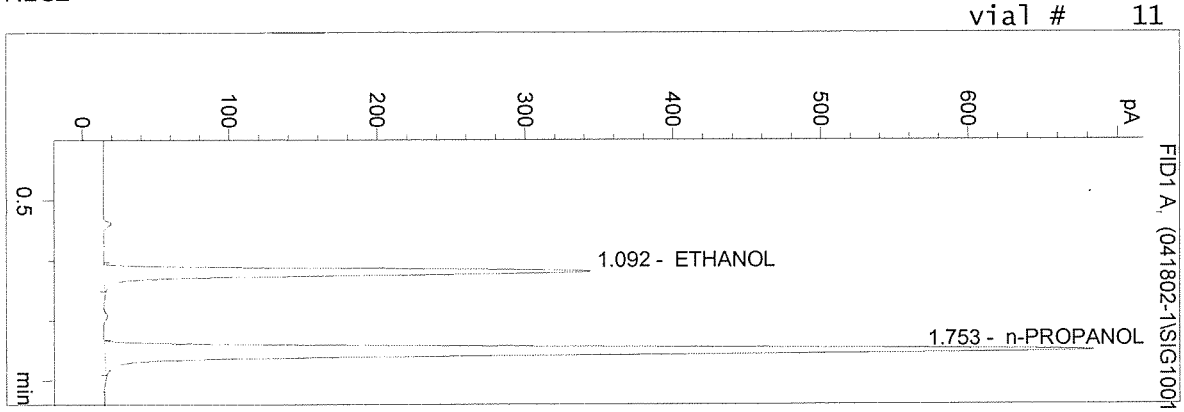
Instrument 3
DB-ALC1

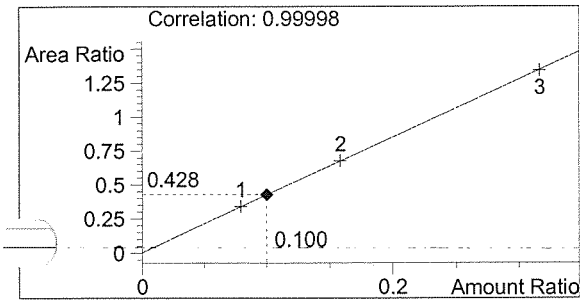
SIM 02008-2
ANN MARIE GORDON

vial # 11

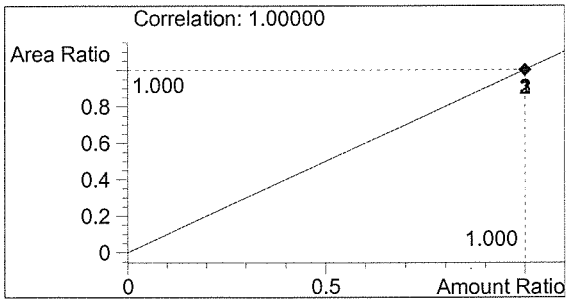


#	Compound	Area	RT
1	ETHANOL	1308	1.092
2	n-PROPANOL	3055	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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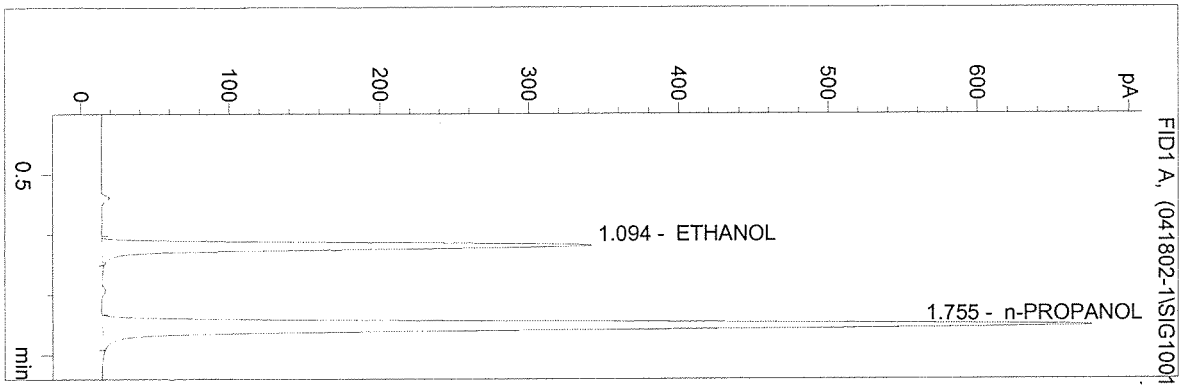
Instrument 3
DB-ALC1

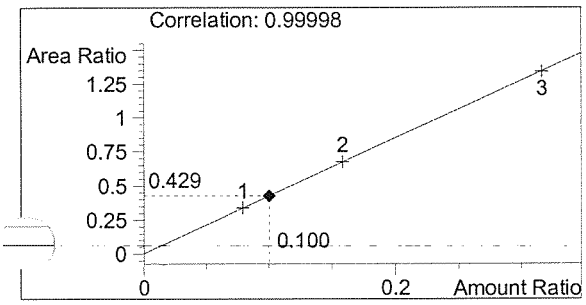
SIM 02008-3
ANN MARIE GORDON

vial # 12

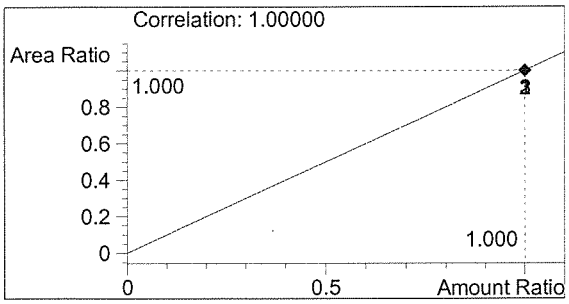


#	Compound	Area	RT
1	ETHANOL	1294	1.094
2	n-PROPANOL	3013	1.755

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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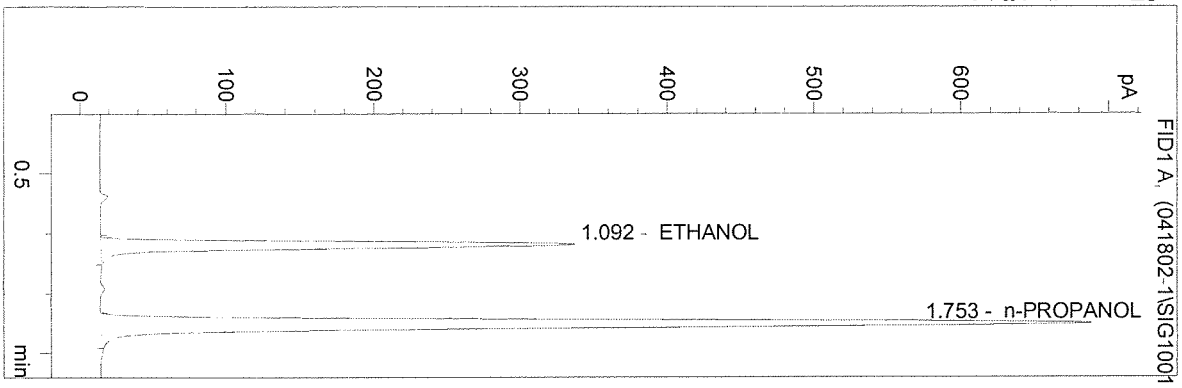
Instrument 3
DB-ALC1

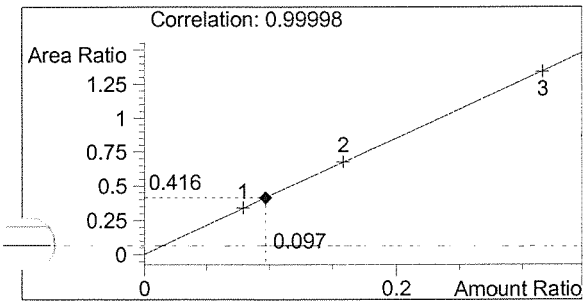
SIM 02008-4
ANN MARIE GORDON

vial # 13

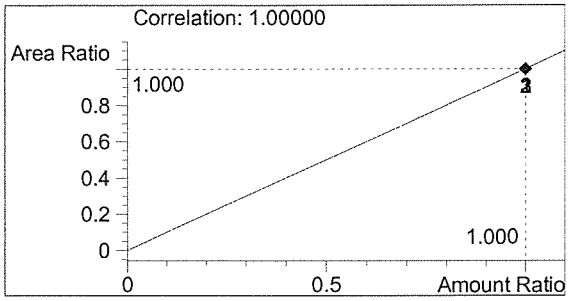


#	Compound	Area	RT
1	ETHANOL	1281	1.092
2	n-PROPANOL	3080	1.753

Totals:



ETHANOL 0.097 mg/L



n-PROPANOL 1.000 mg/L

C:\HPCHEM\1\METHODS\BLDALCO3.M
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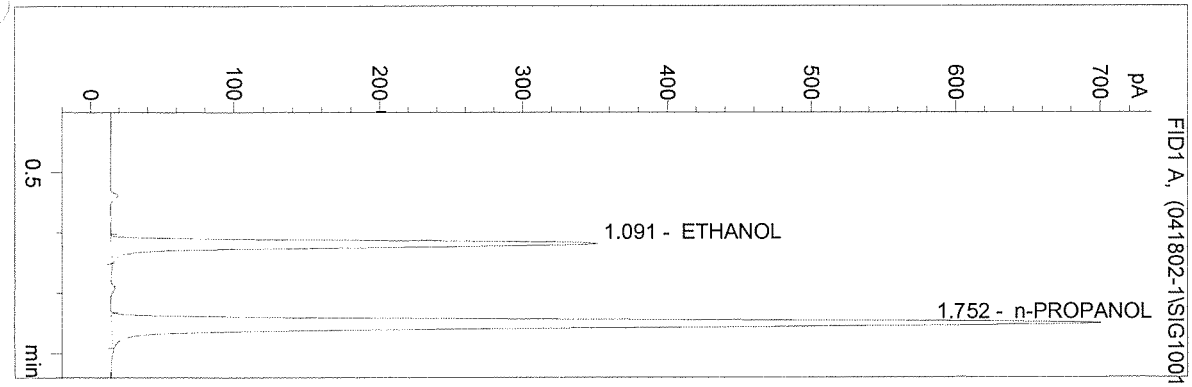
Instrument 3
DB-ALC1

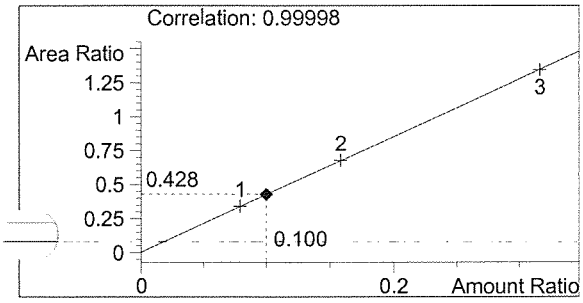
SIM 02008-5
ANN MARIE GORDON

vial # 14

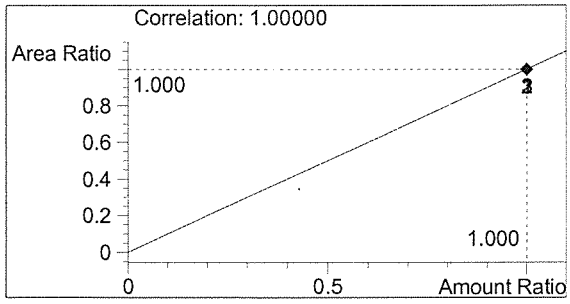


#	Compound	Area	RT
1	ETHANOL	1342	1.091
2	n-PROPANOL	3137	1.752

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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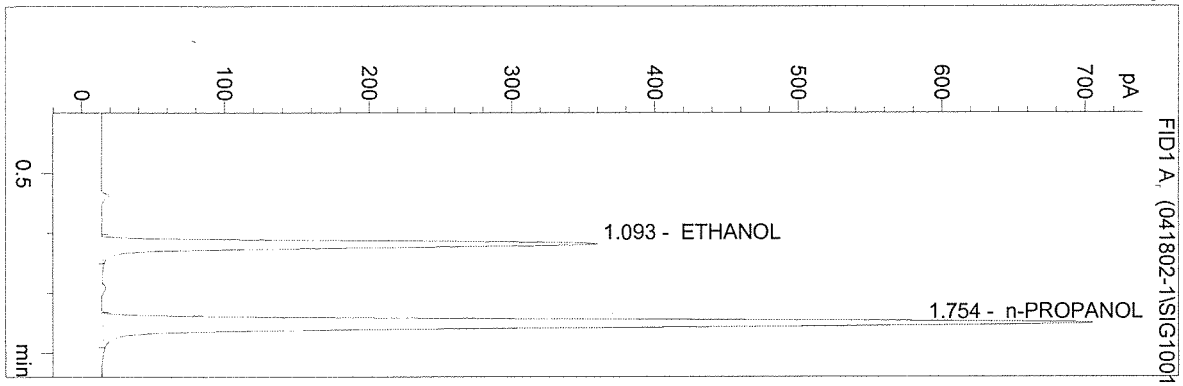
Instrument 3
DB-ALC1

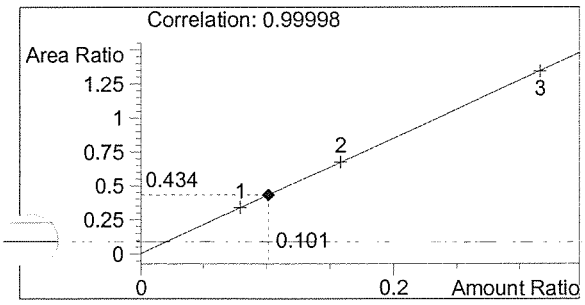
0.101 CTRL
ANN MARIE GORDON

vial # 15

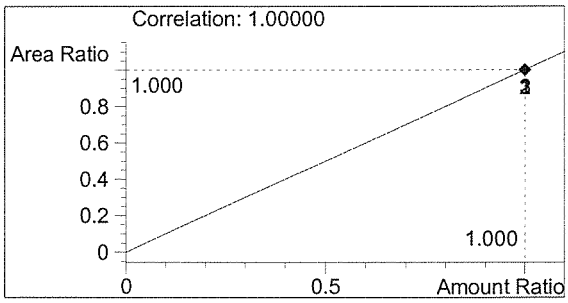


#	Compound	Area	RT
1	ETHANOL	1378	1.093
2	n-PROPANOL	3174	1.754

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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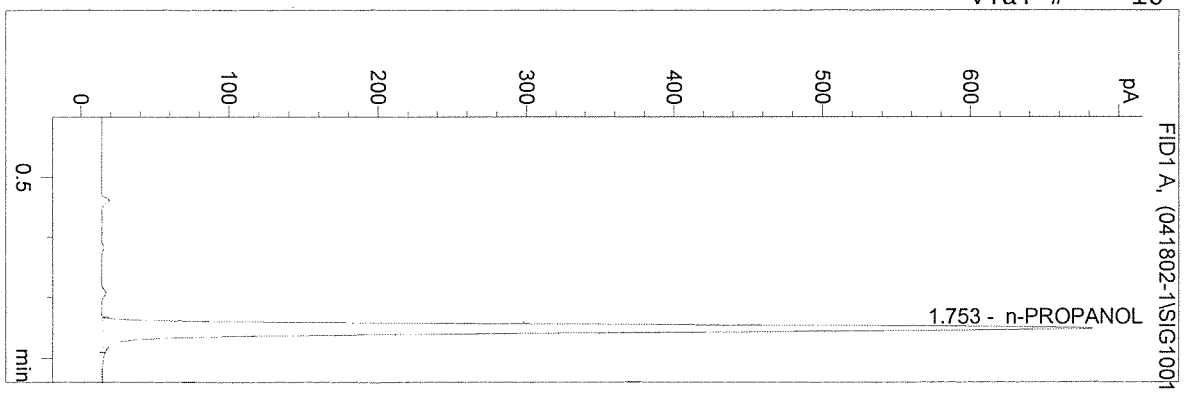
Instrument 3
DB-ALC1

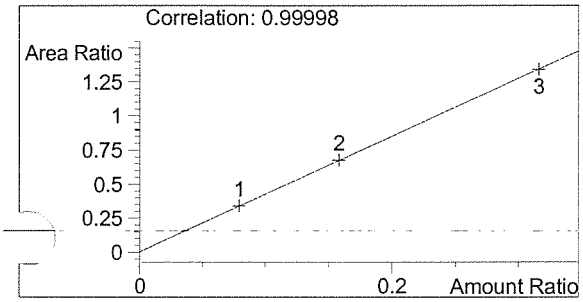
BLANK
ANN MARIE GORDON

vial # 16

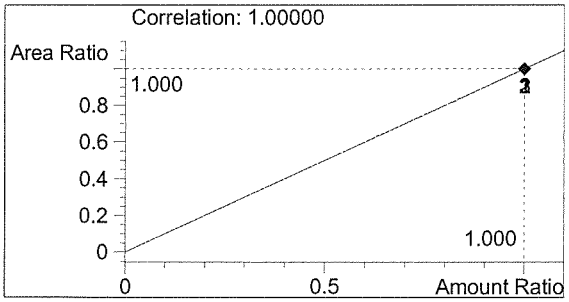


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3097	1.753

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L