WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 262-6100 FAX (206) 262-6145

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

Batch number **03028** Date: 9/10/2003

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	0.101	0.101	0.103	0.104	0.102	0.100	0.100	0.101	0.101		
2	0.101	0.102	0.102	0.101	0.104	0.104	0.100	0.101	0.101	0.101		
3	0.101	0.102	0.102	0.101	0.104	0.108	0.101	0.101	0.102	0.101		
4	0.100	0.102	0.102	0.100	0.104	0.103	0.101	0.101	0.102	0.101		
5	0.101	0.102	0.102	0.102	0.104	0.104	0.101	0.101	0.102	0.102		
Ctrl	0.099	0.099	0.099	0.101	0.101	0.100	0.099	0.099	0.099	0.099		

External Control:

Lot #: A024546 Exp date: 09/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1018 g/100 mL

SD: 0.00148

Range (3xSD): 0.0974 to 0.1062

Precision CV (%): 1.4507 %

Equivalent vapor concent.: 0.0828 g/210L

Analyst	Name	Signature	Date
1	Mary E Wilson		09/10/03
2	Asa Louis		09/10/03
3	Estuardo Miranda		09/10/03
4	Melissa Pemberton		09/12/03
5	Dorota B Schranz, PhD		09/16/03
6	Jayne E Thatcher		09/16/03
7	Edward Formoso		09/17/03
8	Ann Marie Gordon		09/17/03
9	William P Marshall		09/18/03
10	Naziha Nuwayhid, PhD		09/19/03
11			
12			

Prepared by: Mary E Wilson according to the approved protocol

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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 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

Melissa L. Pemberton
Forensic Toxicologist

MP/bf
MPSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Mary E. Wilson, 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 and a minor in Chemistry with two years of experience in toxicology, including one year in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/bf
MEWSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Asa J. Louis, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biochemistry and seven years in Toxicology.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

Asa J. Louis
Forensic Toxicologist

AJL/bf
AJLSIMSOL

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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 five years experience in Forensic Toxicology.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/bf
EMSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Dorota Schranz, 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: Ph.D. degree in Medical Sciences, M.S. degree in Medical Technology, and nine years analytical laboratory experience.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

D. Schranz

Dorota Schranz, Ph.D.
Forensic Toxicology Technical Lead

DS/bf
DSSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Jayne E. Thatcher, 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 Cell and Molecular Biology and two years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

Jayne E. Thatcher
Forensic Toxicologist

JET/bf
JTSIMSOL

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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-eight years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/bf
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 fifteen years of experience as a forensic toxicologist.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

Ann Marie Gordon
Laboratory Manager

AMG/bf
AGSIMSOL

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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 thirty-one years of analytical laboratory experience including fifteen years of toxicology experience.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/bf
WMSIMSOL

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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 three years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The simulator solution, Lot Number 03028, was prepared in the Washington State Toxicology Laboratory on 9/10/03. 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 9/10/04.

Dated: 9/23/03
Seattle, WA

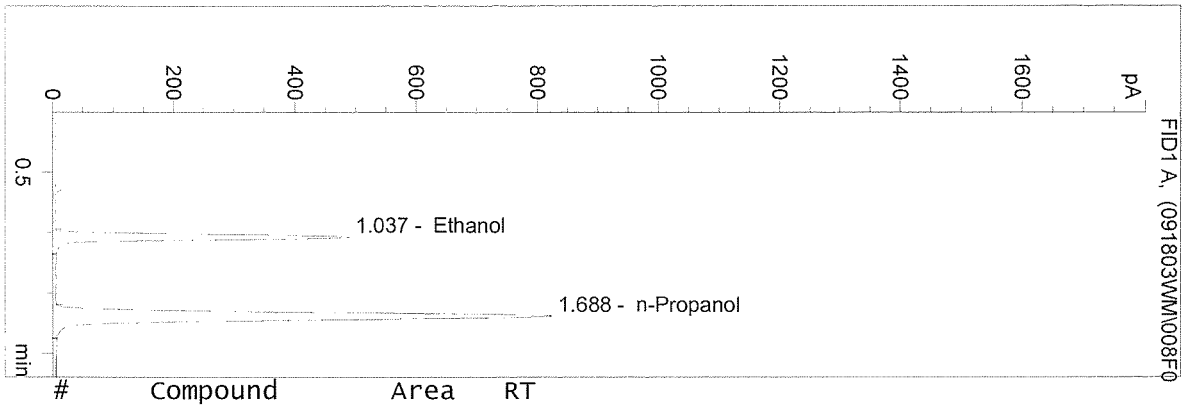
Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/bf
NNSIMSOL

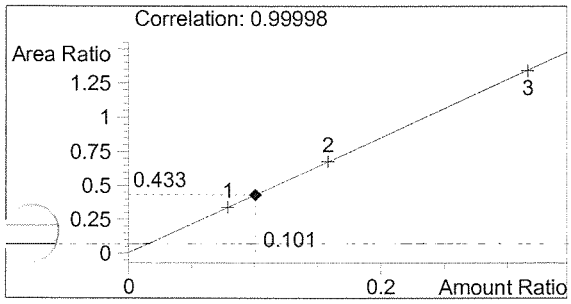
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/18/03 10:27:00 AM
Instrument 2
DB-ALC1

SIM 03028
WP MARSHALL

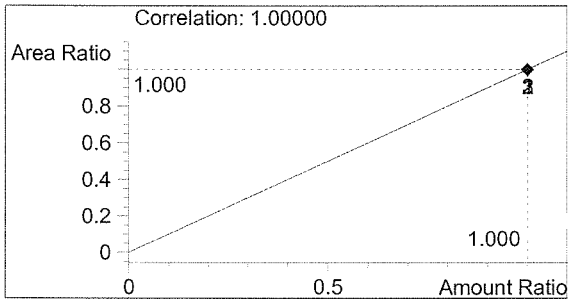
vial # 8



#	Compound	Area	RT
1	Ethanol	1502	1.037
2	n-Propanol	3470	1.688
Totals:			



Ethanol 0.101 g/100ml

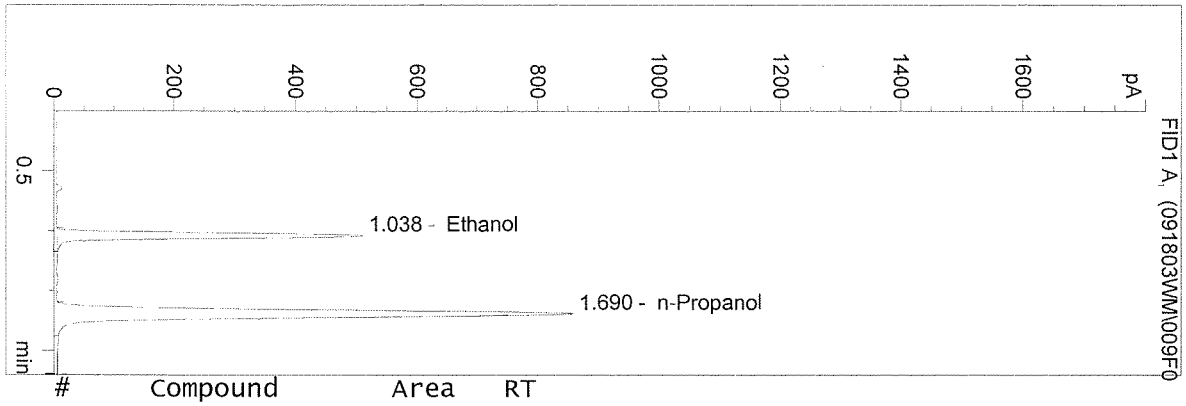


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/18/03 10:46:59 AM
Instrument 2
DB-ALC1

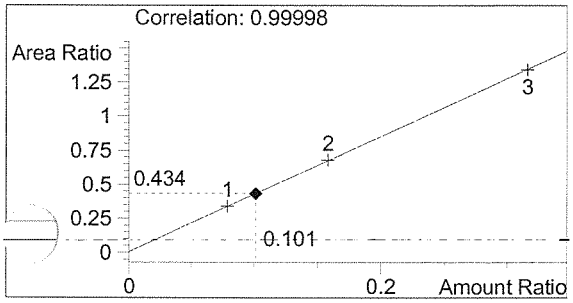
SIM 03028
WP MARSHALL

vial # 9

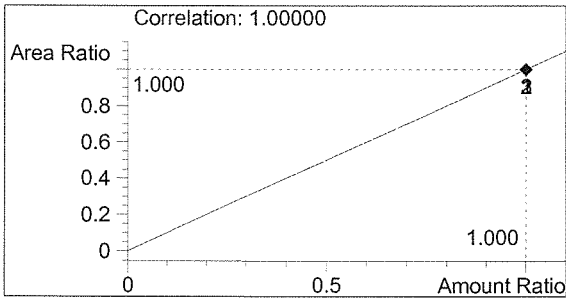


#	Compound	Area	RT
1	Ethanol	1569	1.038
2	n-Propanol	3613	1.690

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
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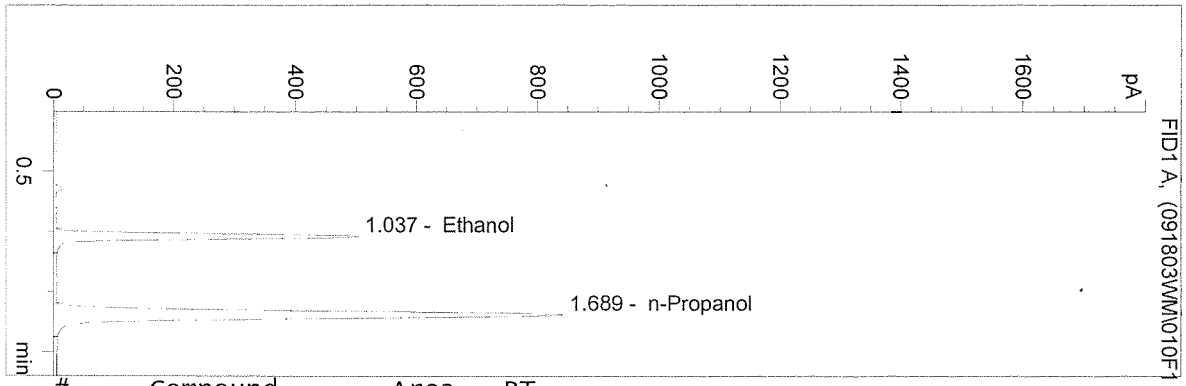
Instrument 2
DB-ALC1

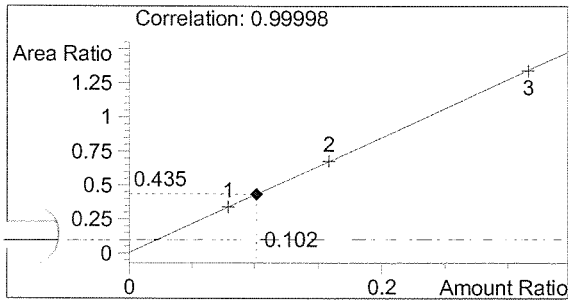
SIM 03028
WP MARSHALL

vial # 10

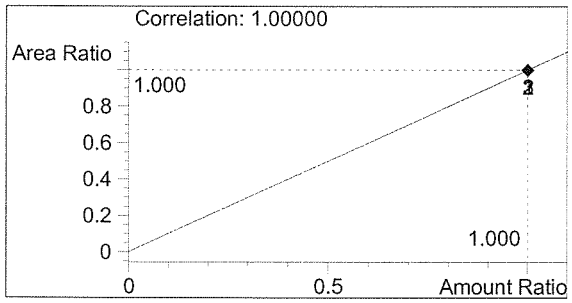


#	Compound	Area	RT
1	Ethanol	1544	1.037
2	n-Propanol	3551	1.689

Totals:



Ethanol 0.102 g/100ml

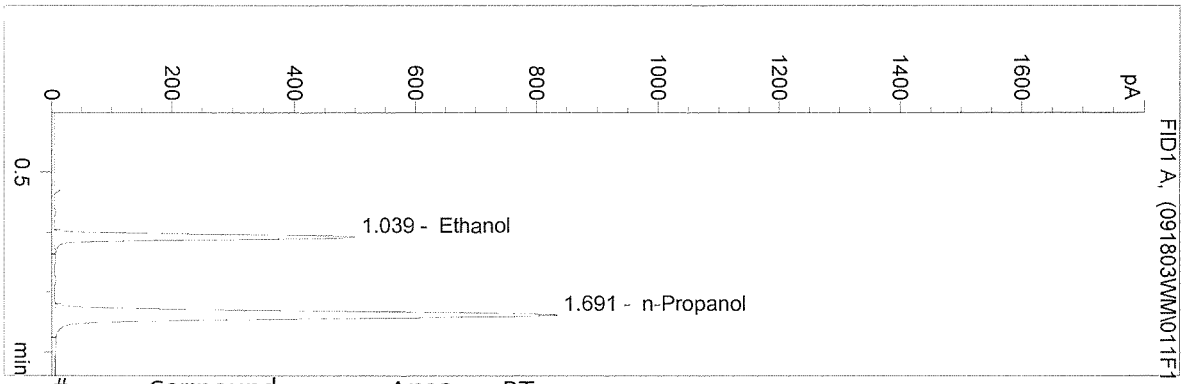


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/18/03 10:53:02 AM
Instrument 2
DB-ALC1

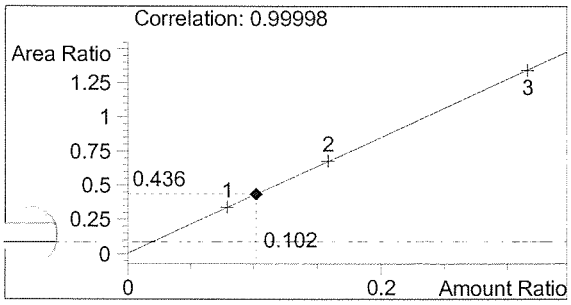
SIM 03028
WP MARSHALL

vial # 11

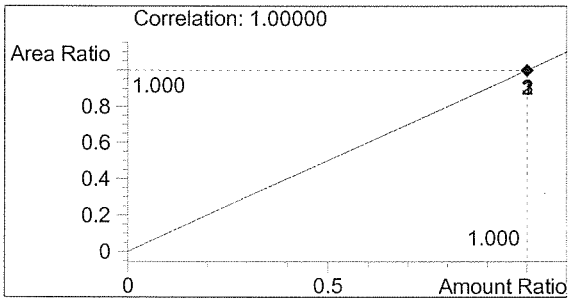


#	Compound	Area	RT
1	Ethanol	1535	1.039
2	n-Propanol	3518	1.691

Totals:



Ethanol 0.102 g/100ml

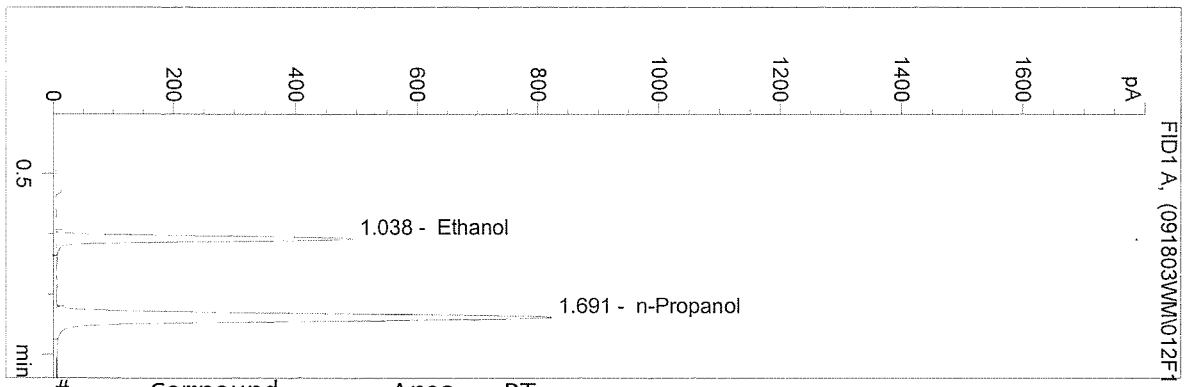


n-Propanol 1.000 g/100ml

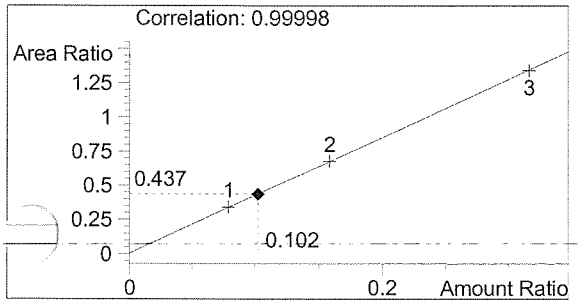
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/18/03 10:59:59 AM
Instrument 2
DB-ALC1

SIM 03028
WP MARSHALL

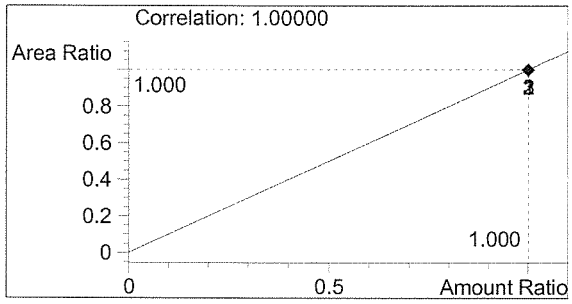
vial # 12



#	Compound	Area	RT
1	Ethanol	1522	1.038
2	n-Propanol	3480	1.691
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

Sequence Parameters:

Operator:	WP MARSHALL
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	091803WM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	BLANK	BLDALCO2	1	Sample		
2	2	0.079 CALIBRATOR	BLDALCO2	1	Calib		
3	3	0.158 CALIBRATOR	BLDALCO2	1	Calib		
4	4	0.316 CALIBRATOR	BLDALCO2	1	Calib		
5	5	BLANK	BLDALCO2	1	Sample		
6	6	CONTROL 0.10 WM	BLDALCO2	1	Ctrl Samp		
7	7	BLANK	BLDALCO2	1	Sample		
8	8	SIM 03028	BLDALCO2	1	Sample		
9	9	SIM 03028	BLDALCO2	1	Sample		
10	10	SIM 03028	BLDALCO2	1	Sample		
11	11	SIM 03028	BLDALCO2	1	Sample		
12	12	SIM 03028	BLDALCO2	1	Sample		
13	13	CONTROL 0.10 WM	BLDALCO2	1	Ctrl Samp		
14	14	BLANK	BLDALCO2	1	Sample		
15	15	SIM 03029	BLDALCO2	1	Sample		
16	16	SIM 03029	BLDALCO2	1	Sample		
17	17	SIM 03029	BLDALCO2	1	Sample		
18	18	SIM 03029	BLDALCO2	1	Sample		
19	19	SIM 03029	BLDALCO2	1	Sample		
20	20	CONTROL 0.10 WM	BLDALCO2	1	Ctrl Samp		
21	21	BLANK	BLDALCO2	1	Sample		
22	22	SIM 03034	BLDALCO2	1	Sample		
23	23	SIM 03034	BLDALCO2	1	Sample		
24	24	SIM 03034	BLDALCO2	1	Sample		
25	25	SIM 03034	BLDALCO2	1	Sample		
26	26	SIM 03035	BLDALCO2	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

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Instrument 2
DB-ALC1

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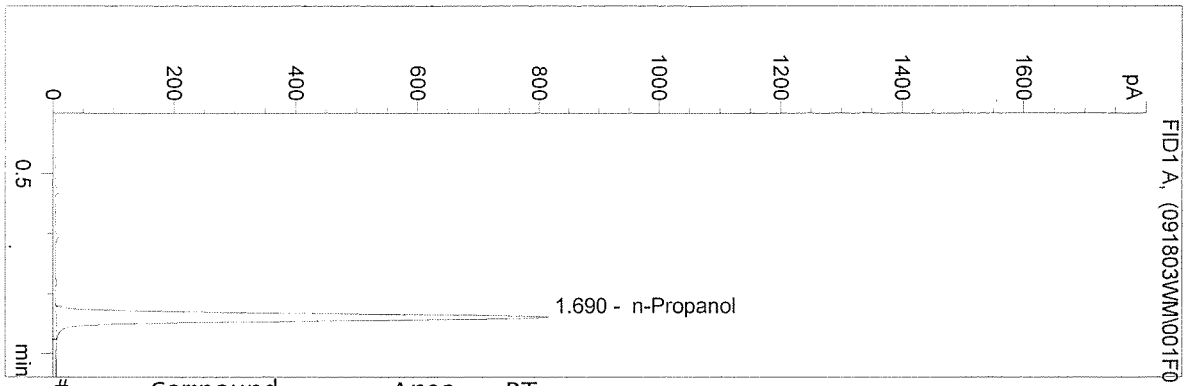
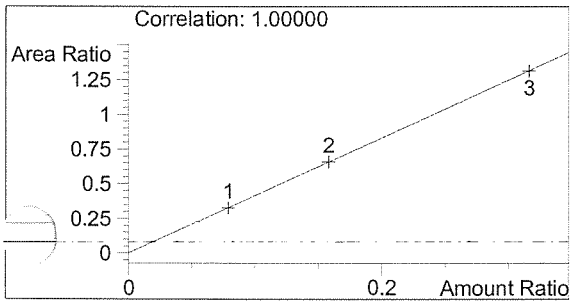
WP MARSHALL

vial # 1

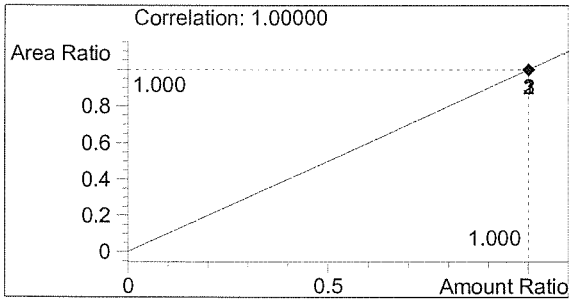


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3440	1.690

Totals:



Ethanol 0.000 g/100ml

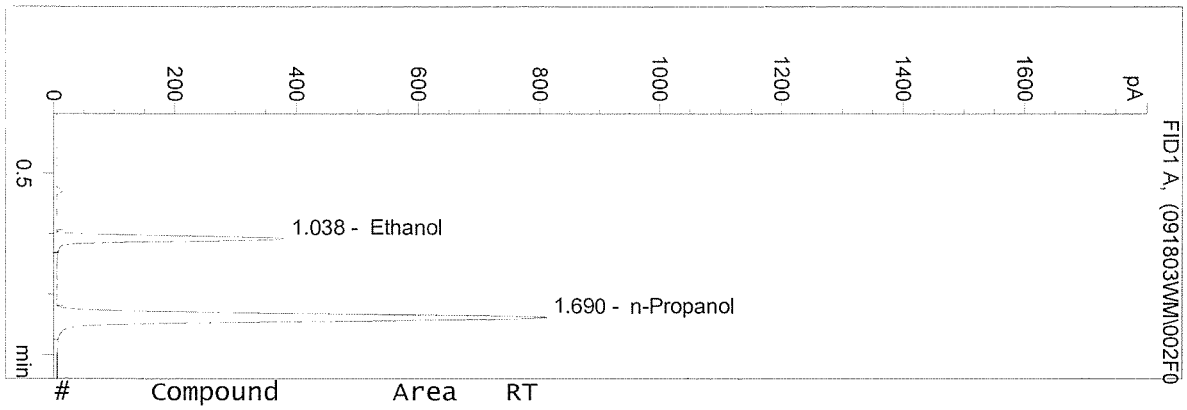


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/18/03 9:27:38 AM
Instrument 2
DB-ALC1

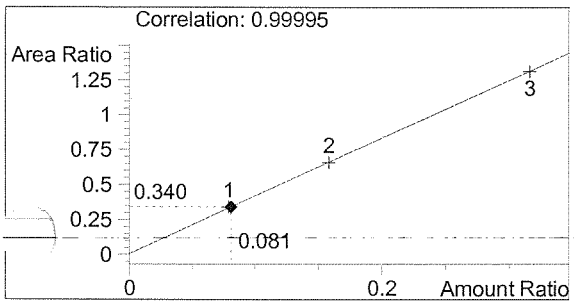
0.079 CALIBRATOR
WP MARSHALL

vial # 2

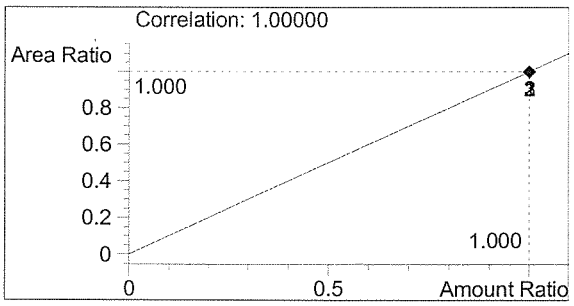


#	Compound	Area	RT
1	Ethanol	1166	1.038
2	n-Propanol	3424	1.690

Totals:



Ethanol 0.081 g/100ml

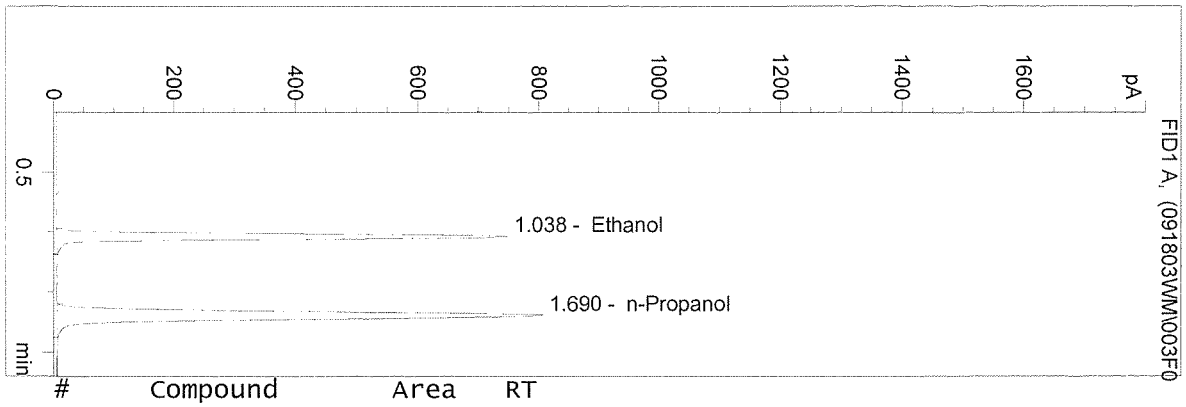


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/18/03 9:30:40 AM
Instrument 2
DB-ALC1

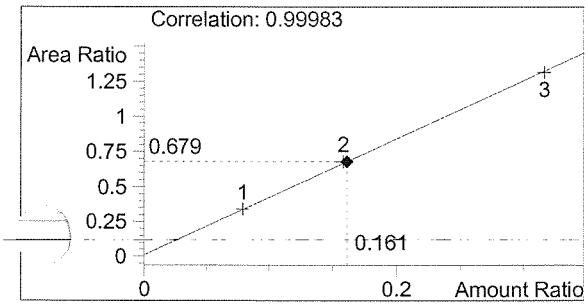
0.158 CALIBRATOR
WP MARSHALL

vial # 3

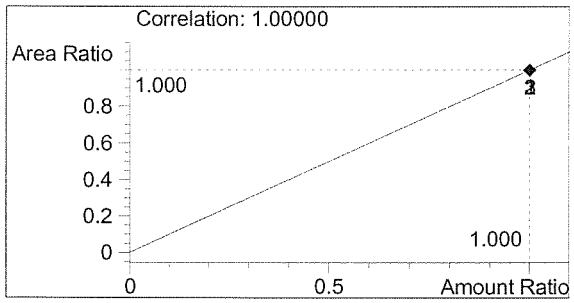


#	Compound	Area	RT
1	Ethanol	2307	1.038
2	n-Propanol	3399	1.690

Totals:



Ethanol 0.161 g/100ml



n-Propanol 1.000 g/100ml

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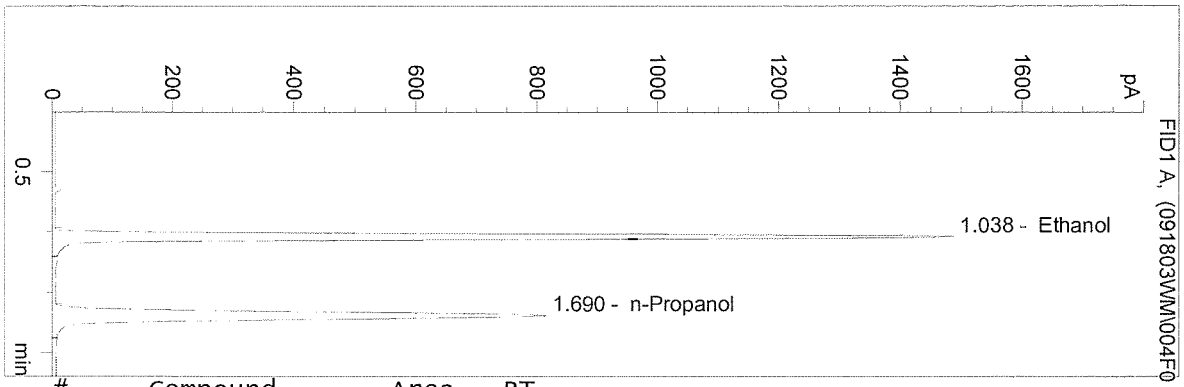
Instrument 2
DB-ALC1

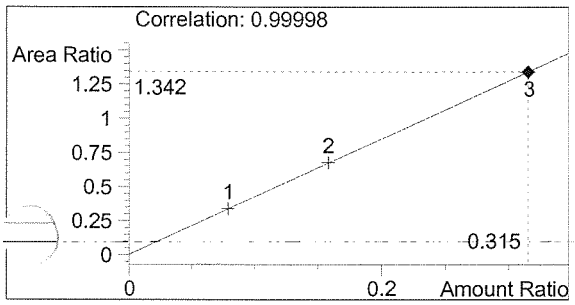
0.316 CALIBRATOR
WP MARSHALL

vial # 4

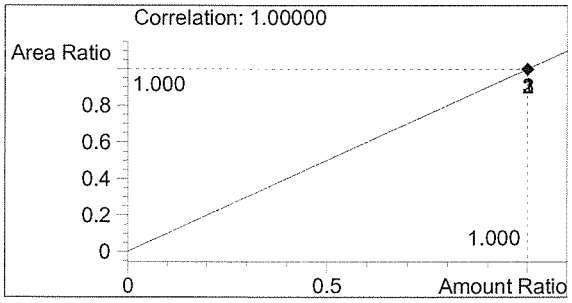


#	Compound	Area	RT
1	Ethanol	4603	1.038
2	n-Propanol	3430	1.690

Totals:



Ethanol 0.315 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
DB-ALC1

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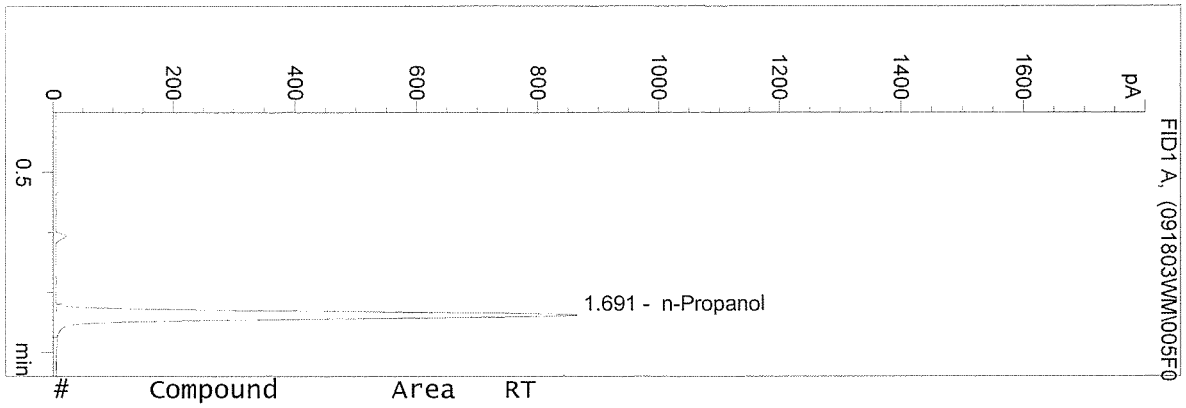
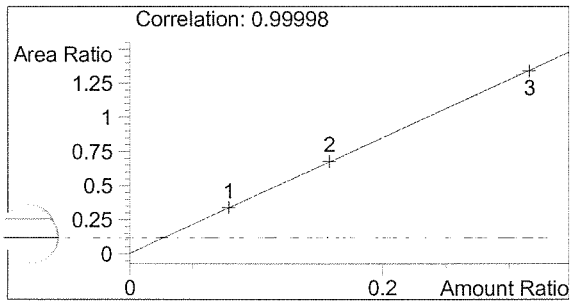
WP MARSHALL

vial # 5

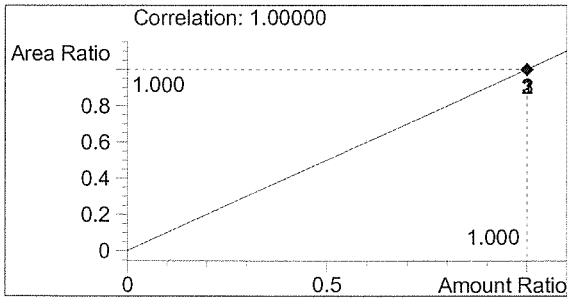


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3647	1.691

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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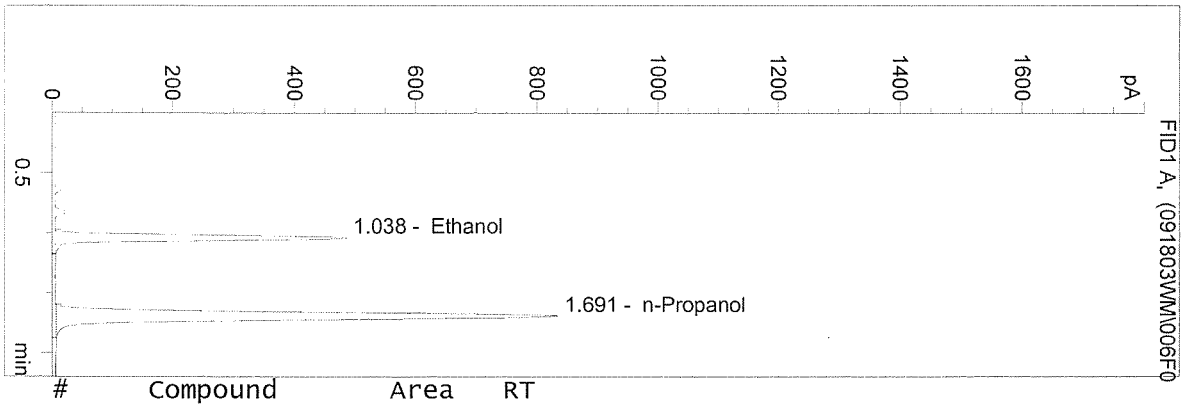
Instrument 2
DB-ALC1

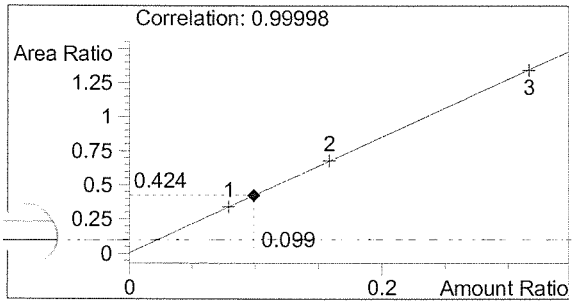
CONTROL 0.10 WM
WP MARSHALL

vial # 6

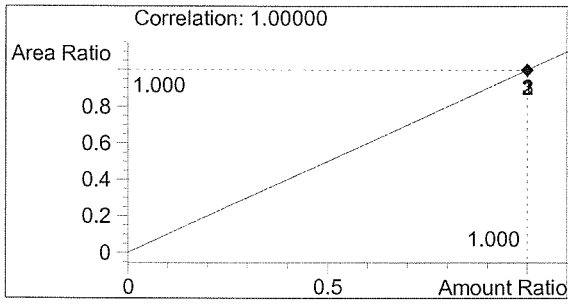


#	Compound	Area	RT
1	Ethanol	1493	1.038
2	n-Propanol	3523	1.691

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
DB-ALC1

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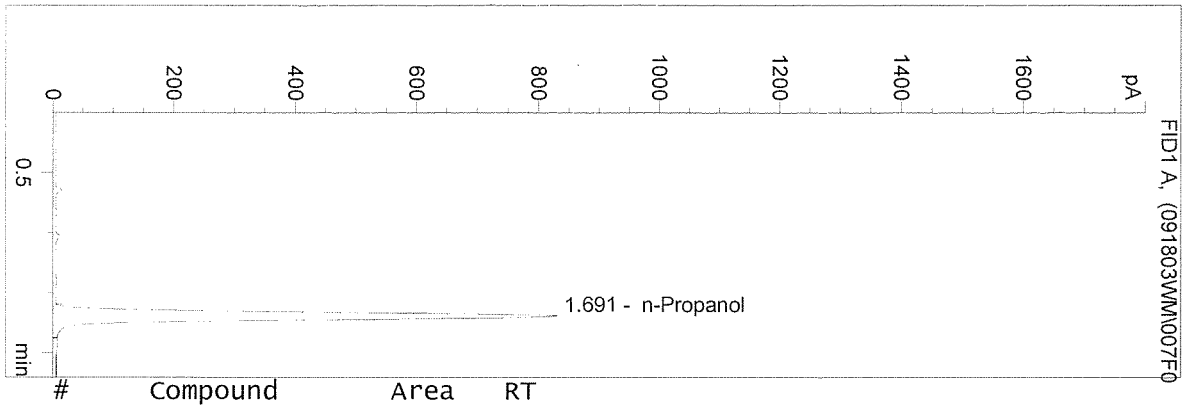
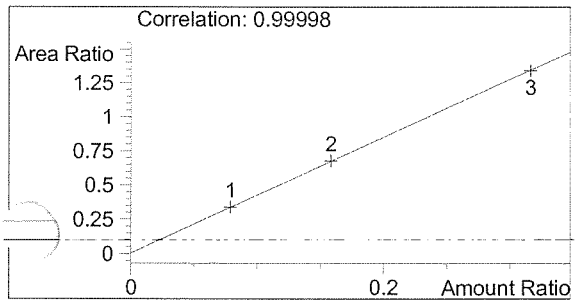
WP MARSHALL

vial # 7

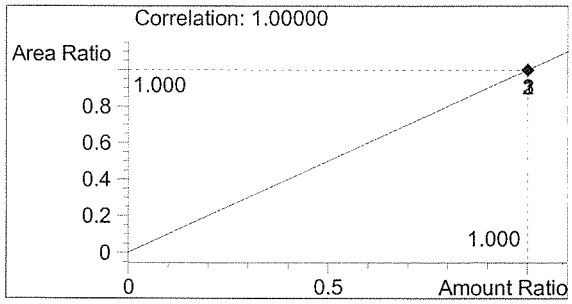


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3510	1.691

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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ument 2
ALC1

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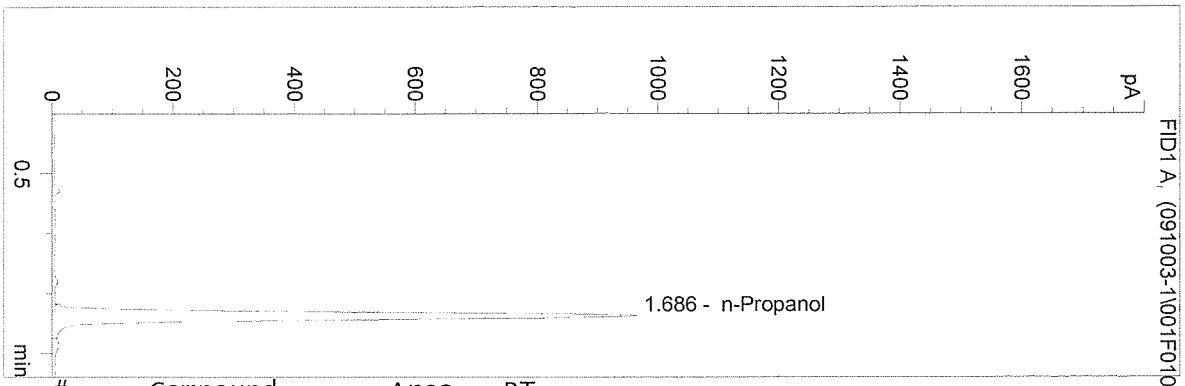
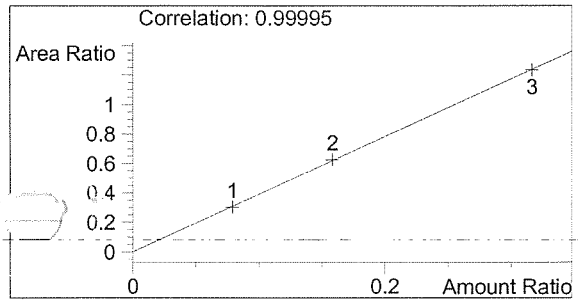
mary wilson

vial # 1

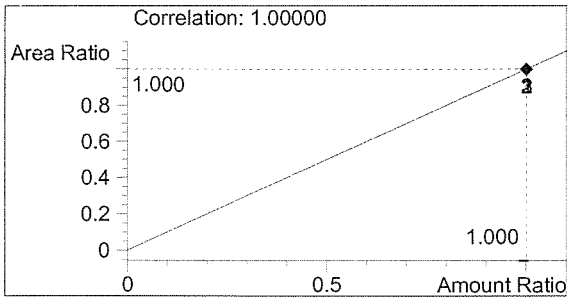


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4097	1.686

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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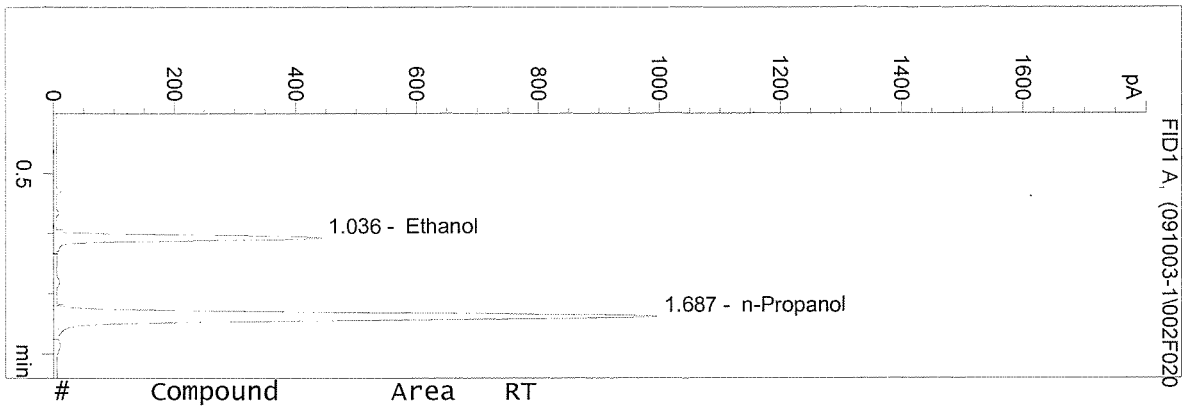
Instrument 2
ALC1

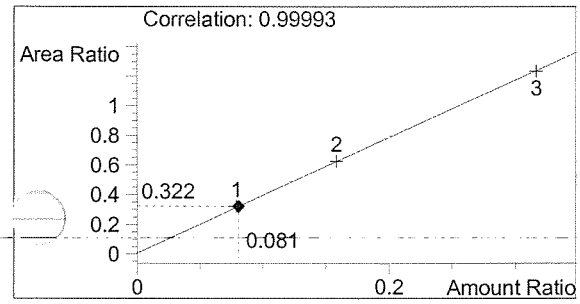
0.079 CAL
mary wilson

vial # 2

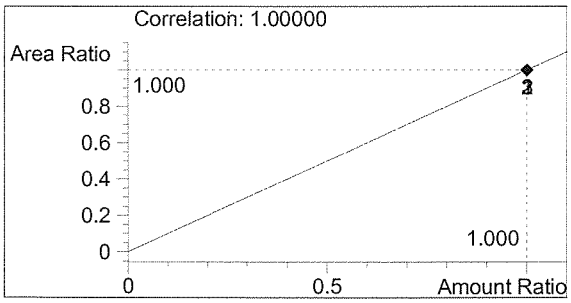


#	Compound	Area	RT
1	Ethanol	1350	1.036
2	n-Propanol	4198	1.687

Totals:



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

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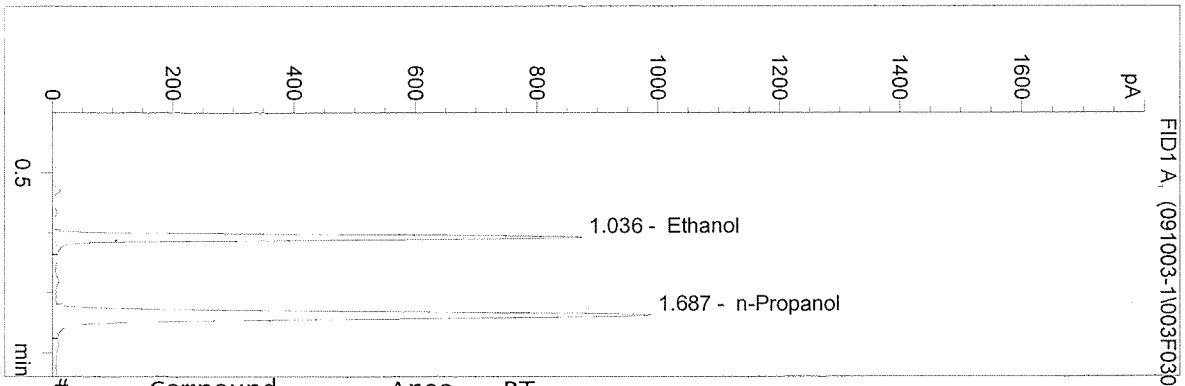
Instrument 2
ALC1

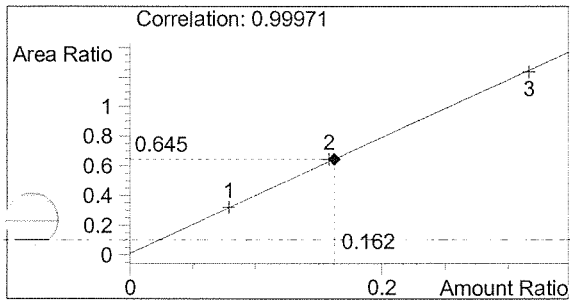
0.158 CAL
mary wilson

vial # 3

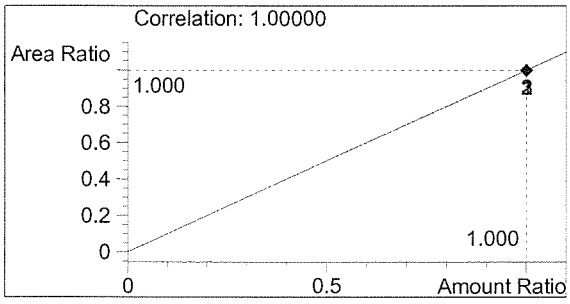


#	Compound	Area	RT
1	Ethanol	2690	1.036
2	n-Propanol	4173	1.687

Totals:



Ethanol 0.162 g/100ml



n-Propanol 1.000 g/100ml

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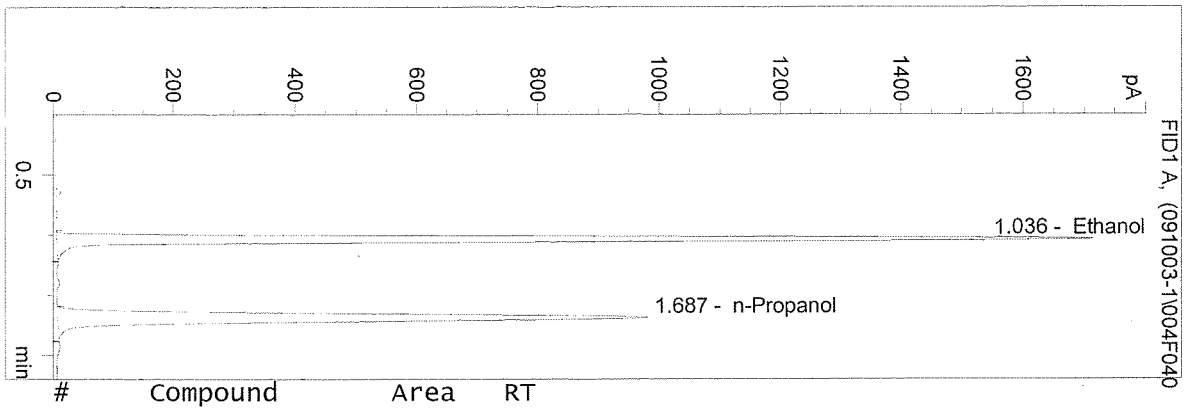
Instrument 2
ALC1

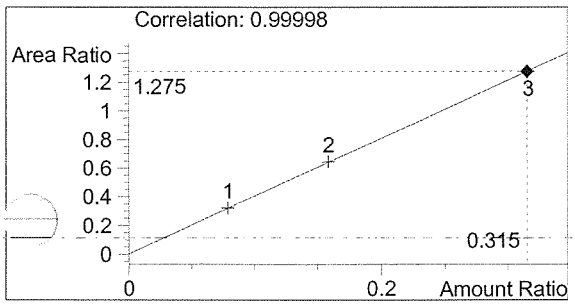
0.316 CAL
mary wilson

vial # 4

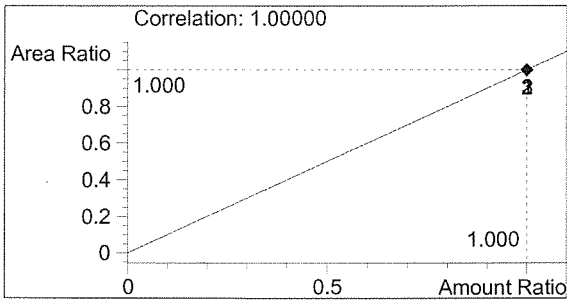


#	Compound	Area	RT
1	Ethanol	5287	1.036
2	n-Propanol	4145	1.687

Totals:



Ethanol 0.315 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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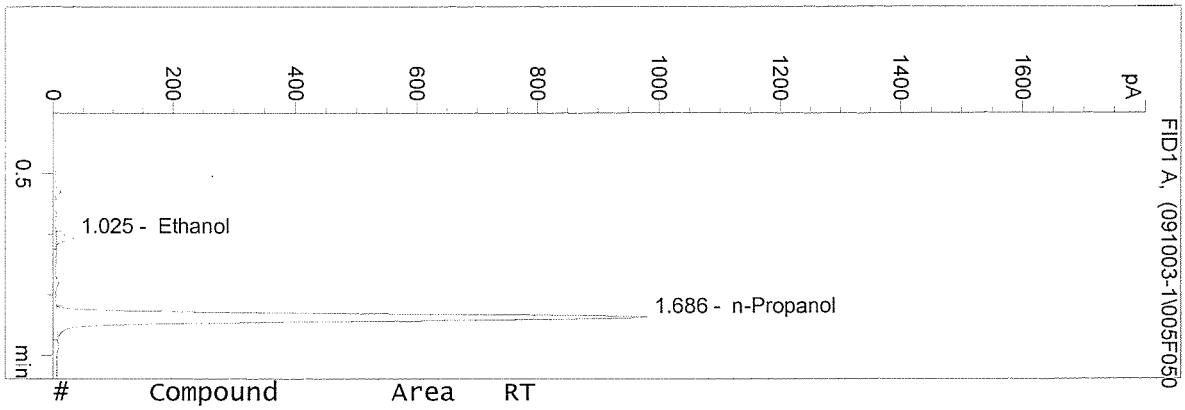
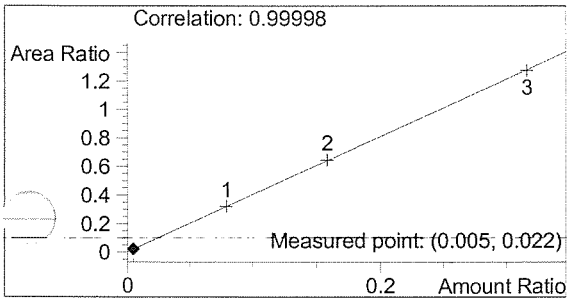
mary wilson

vial # 5

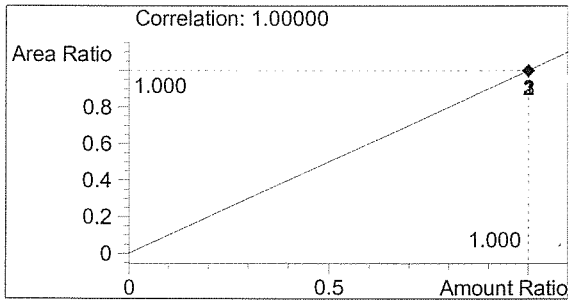


#	Compound	Area	RT
1	Ethanol	91	1.025
2	n-Propanol	4145	1.686

Totals:



Ethanol 0.005 g/100ml



n-Propanol 1.000 g/100ml

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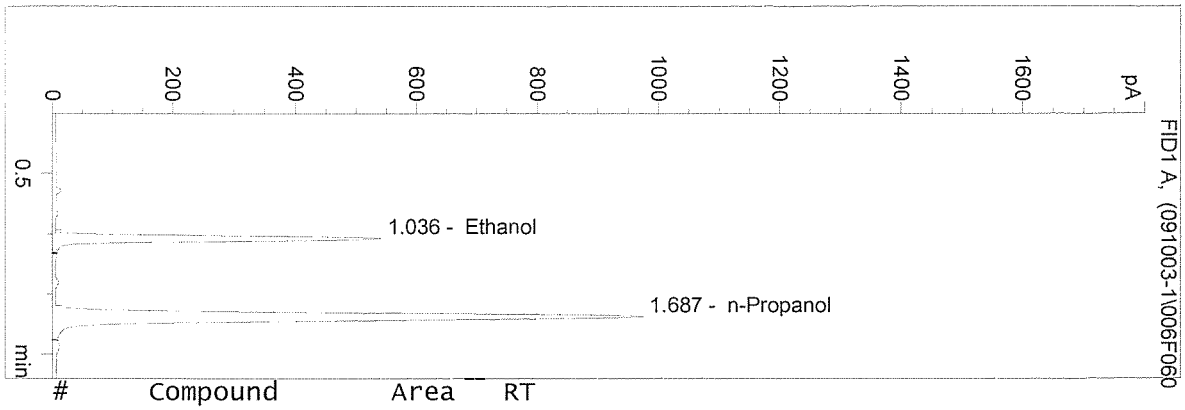
Instrument 2
ALC1

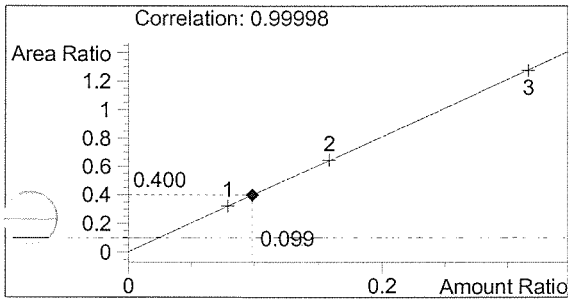
0.10 CONTROL
mary wilson

vial # 6

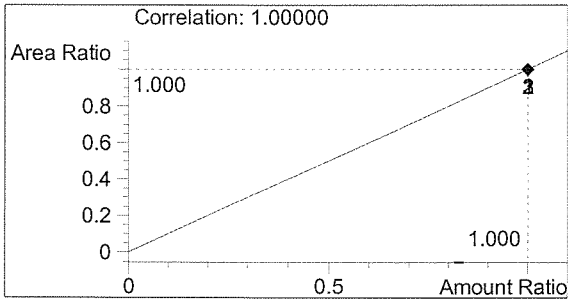


#	Compound	Area	RT
1	Ethanol	1644	1.036
2	n-Propanol	4106	1.687

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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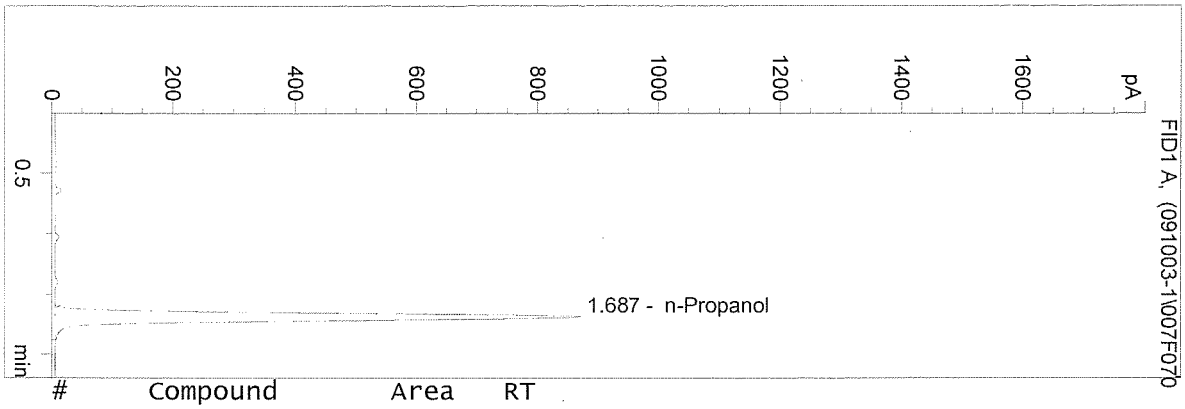
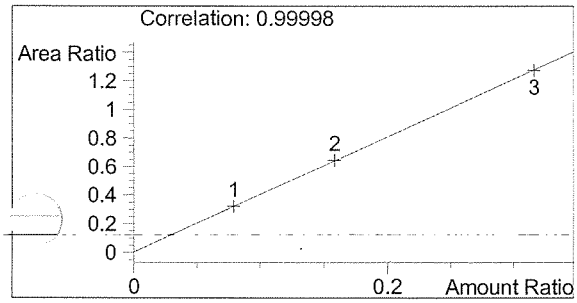
mary wilson

vial # 7

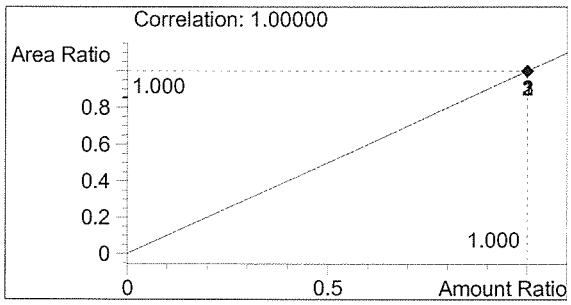


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3683	1.687

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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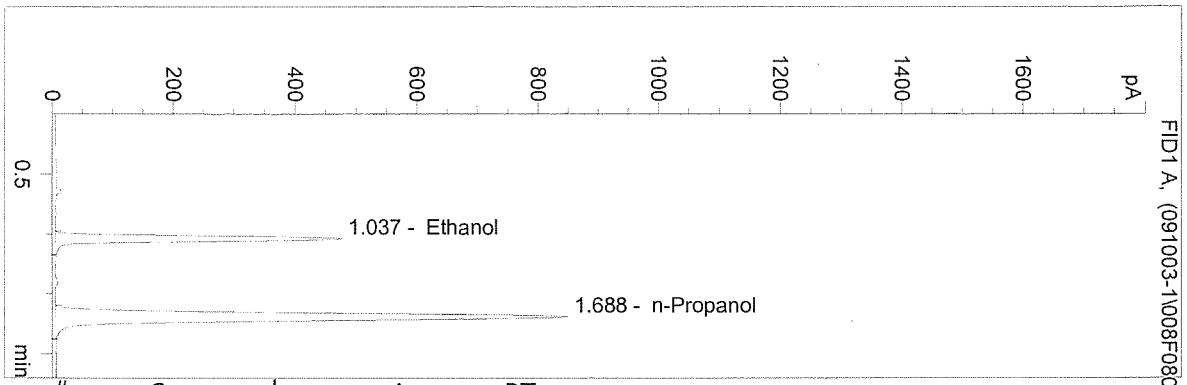
Instrument 2
ALC1

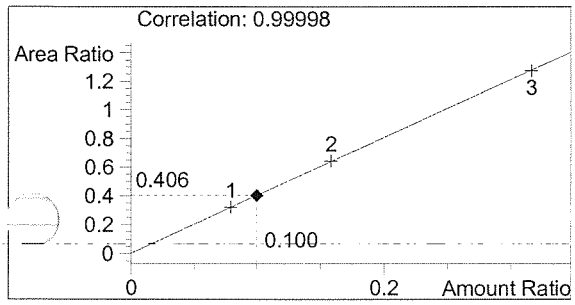
03028sim sol
mary wilson

vial # 8

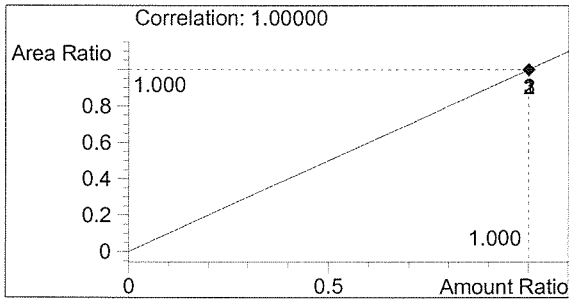


#	Compound	Area	RT
1	Ethanol	1460	1.037
2	n-Propanol	3595	1.688

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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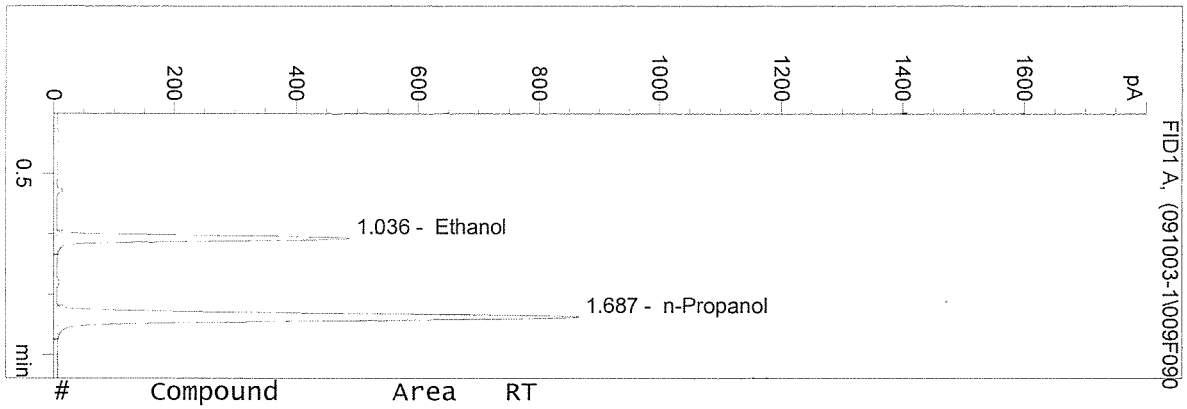
Instrument 2
ALC1

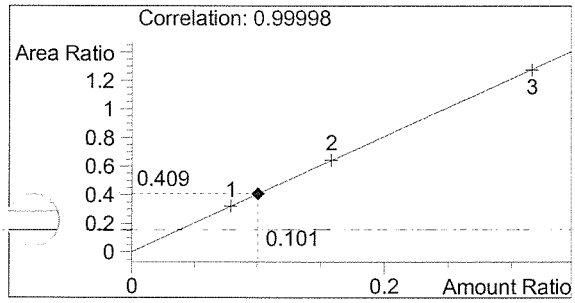
03028sim sol
mary wilson

vial # 9

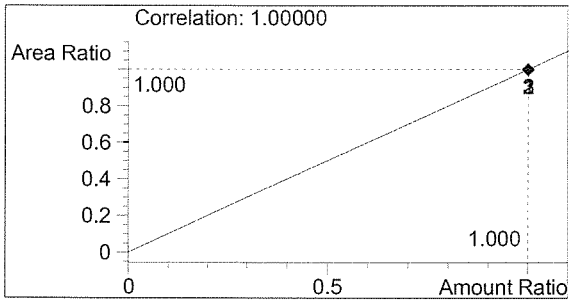


#	Compound	Area	RT
1	Ethanol	1498	1.036
2	n-Propanol	3661	1.687

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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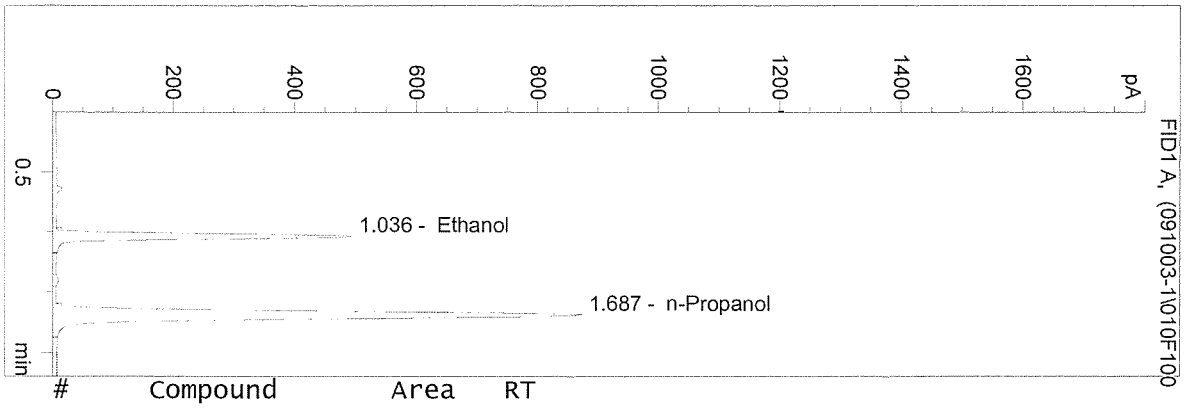
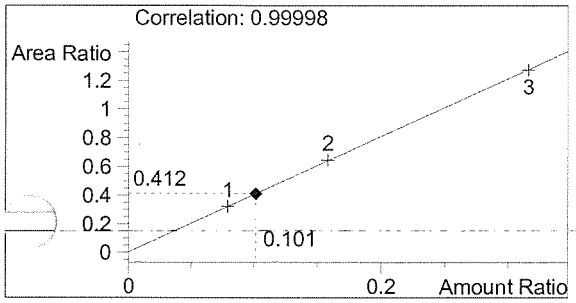
Instrument 2
ALC1

03028sim sol
mary wilson

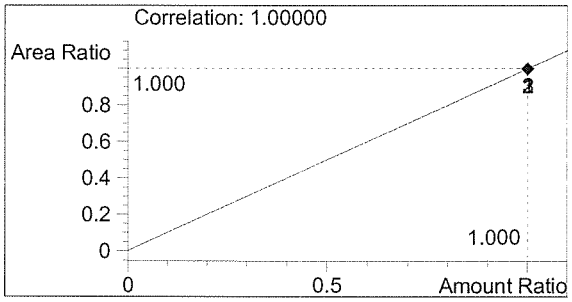
vial # 10



#	Compound	Area	RT
1	Ethanol	1516	1.036
2	n-Propanol	3680	1.687
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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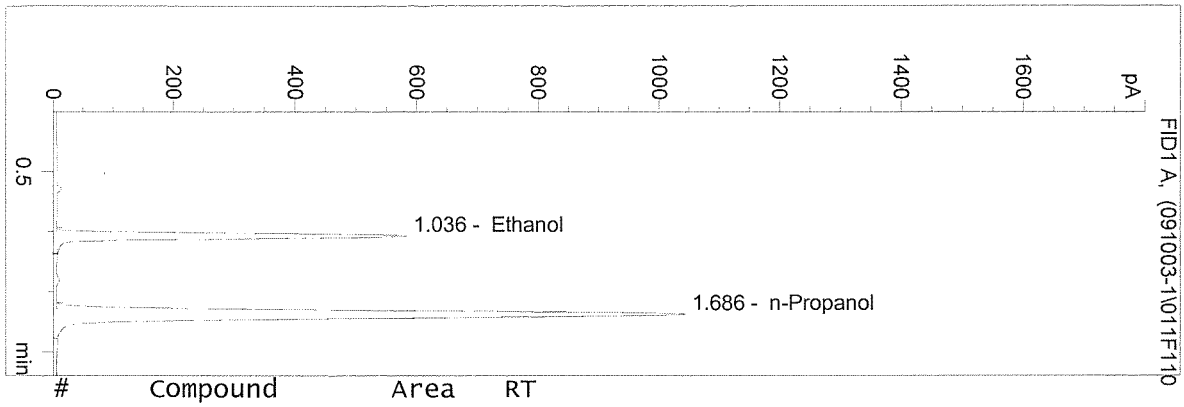
Instrument 2
ALC1

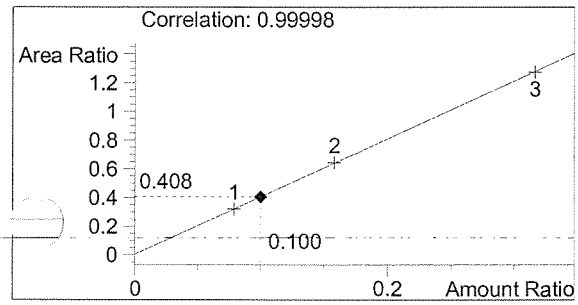
03028sim sol
mary wilson

vial # 11

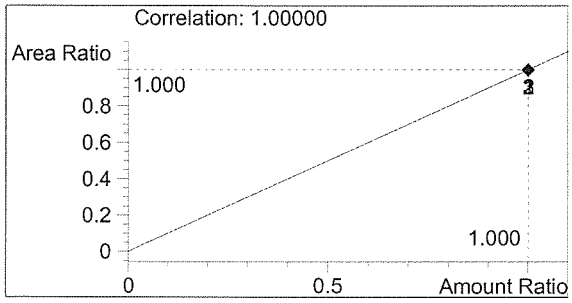


#	Compound	Area	RT
1	Ethanol	1811	1.036
2	n-Propanol	4442	1.686

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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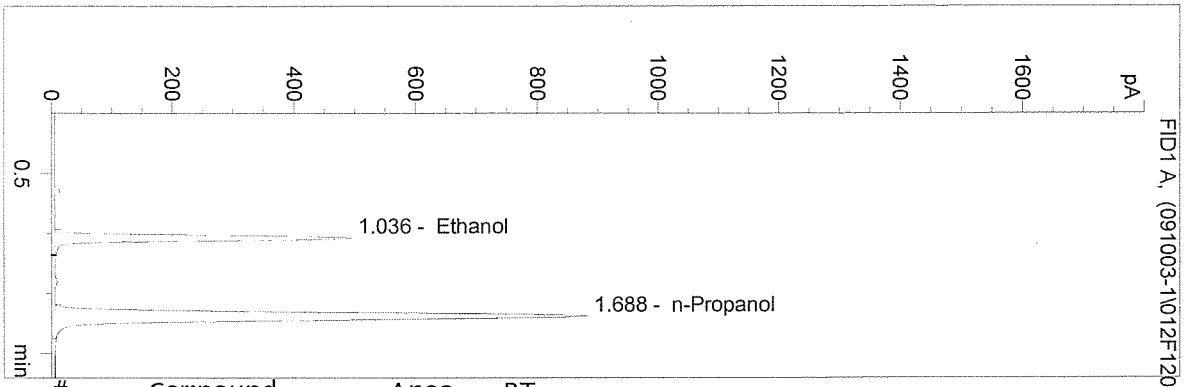
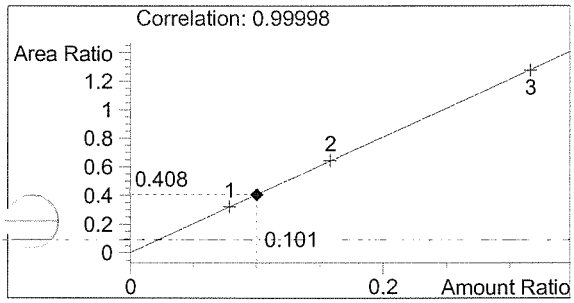
Instrument 2
ALC1

03028sim sol
mary wilson

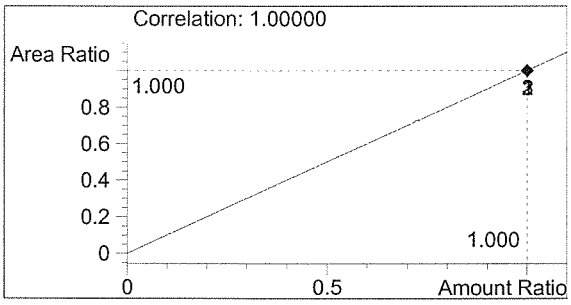
vial # 12



#	Compound	Area	RT
1	Ethanol	1523	1.036
2	n-Propanol	3729	1.688
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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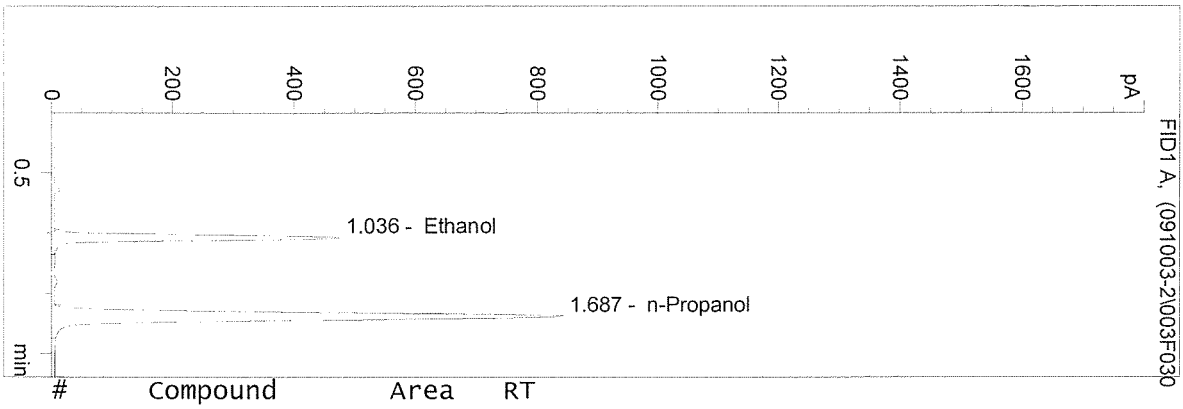
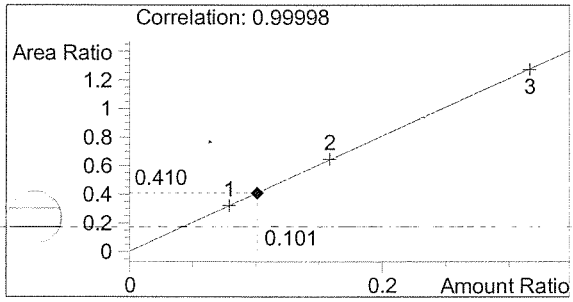
Instrument 2
ALC1

03028sim sol al
asa louis

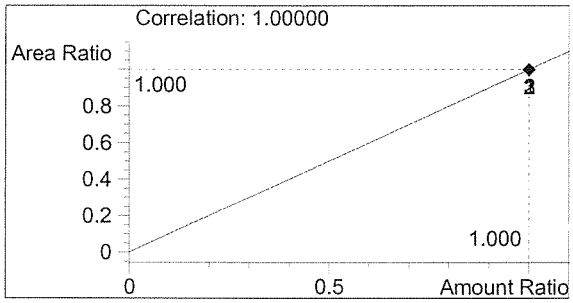
vial # 3



#	Compound	Area	RT
1	Ethanol	1457	1.036
2	n-Propanol	3553	1.687
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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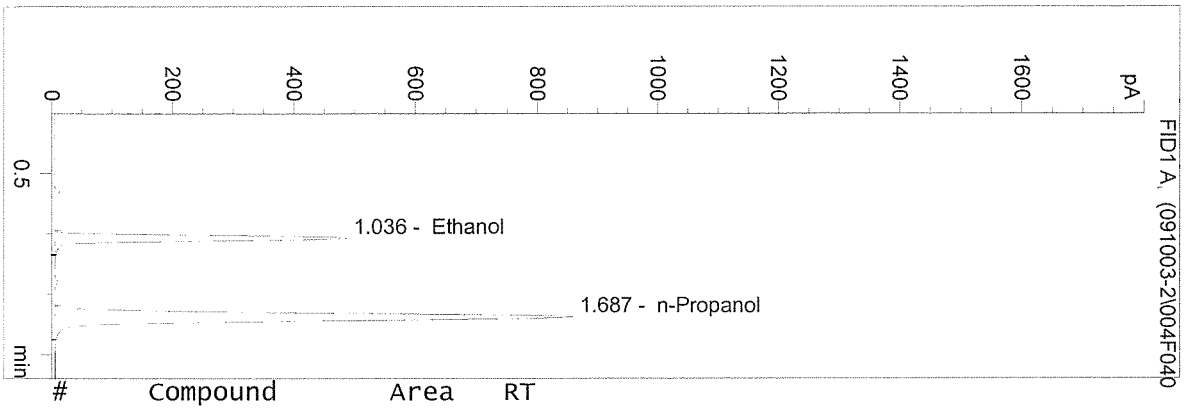
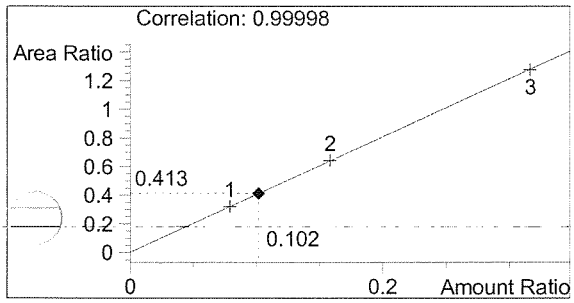
asa louis

vial # 4

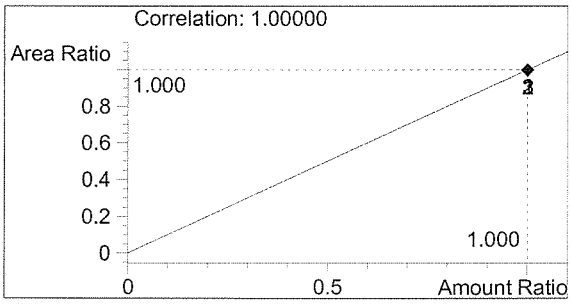


#	Compound	Area	RT
1	Ethanol	1503	1.036
2	n-Propanol	3634	1.687

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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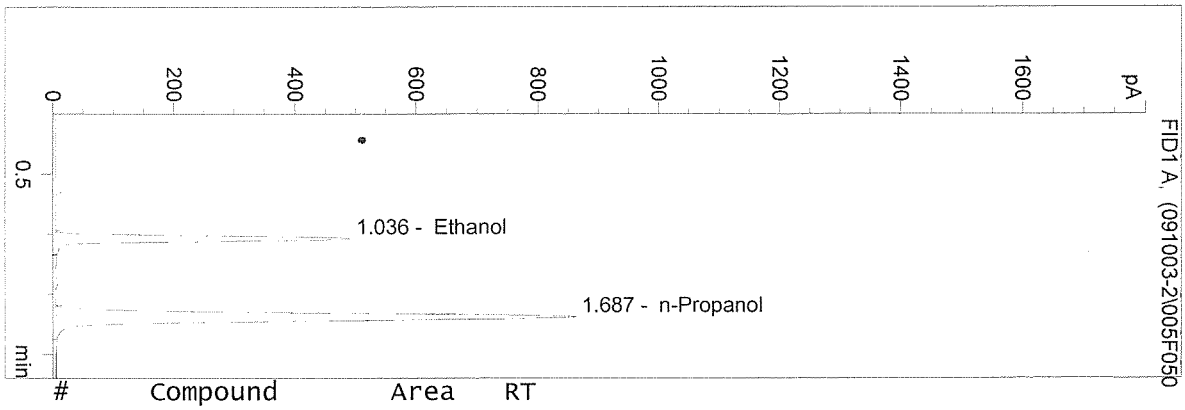
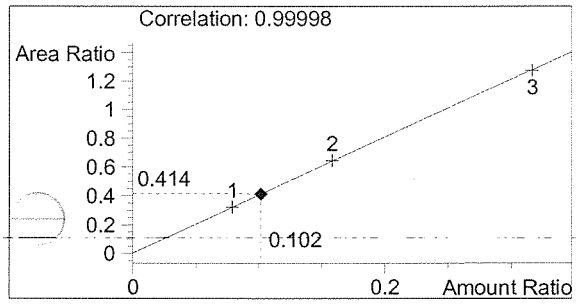
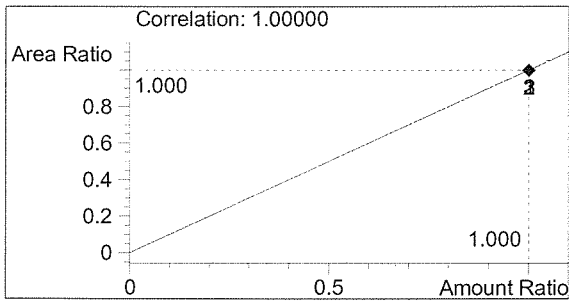
vial # 5



#	Compound	Area	RT
1	Ethanol	1509	1.036
2	n-Propanol	3643	1.687
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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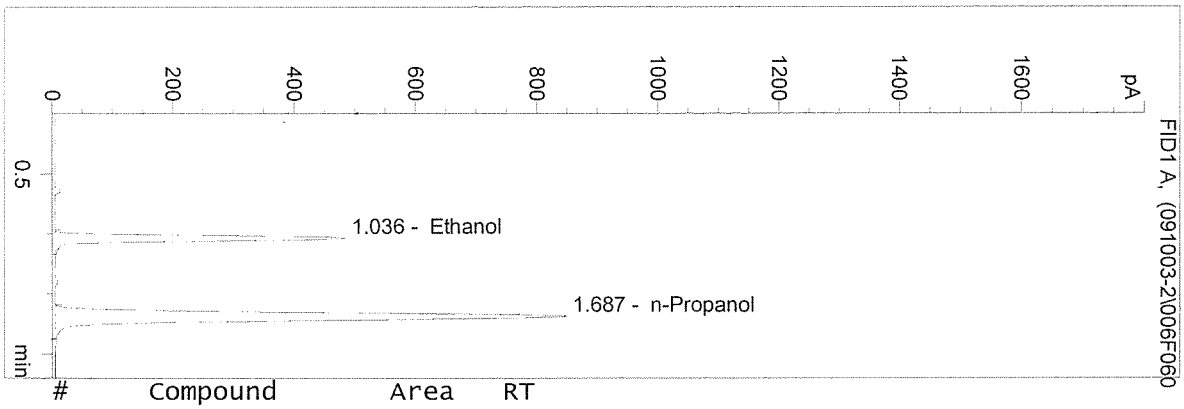
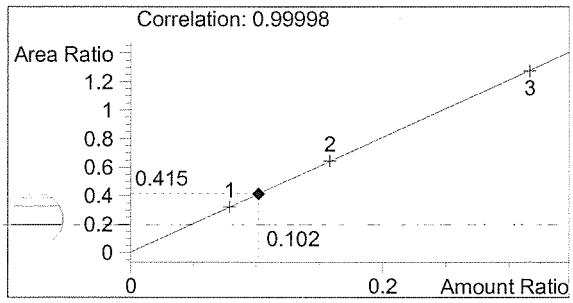
asa louis

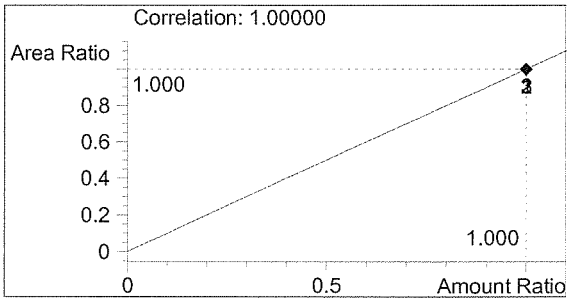
vial # 6



#	Compound	Area	RT
1	Ethanol	1485	1.036
2	n-Propanol	3580	1.687
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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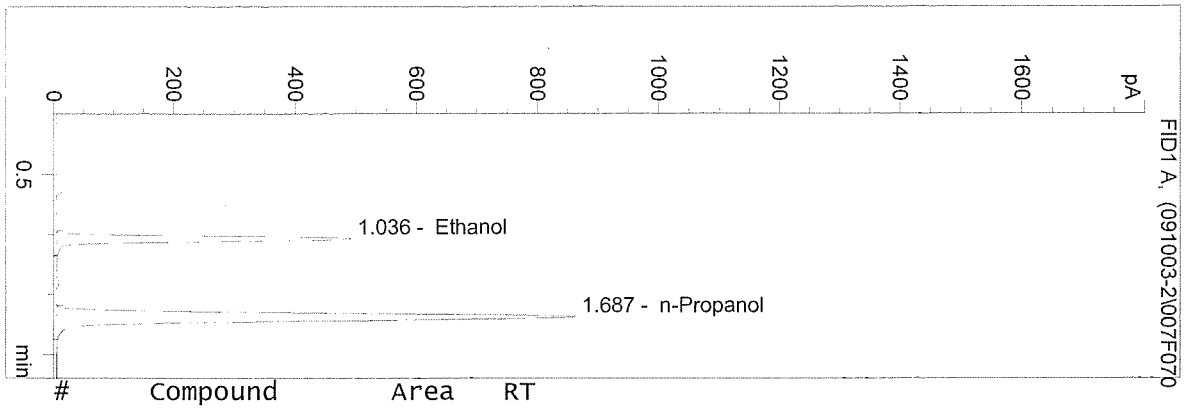
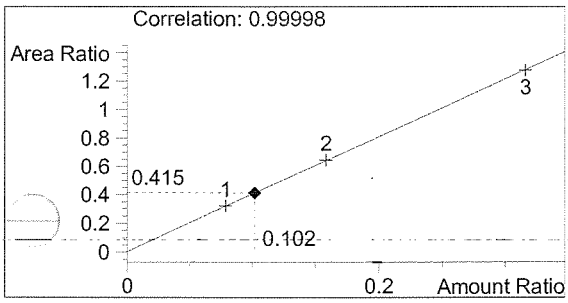
vial # 7

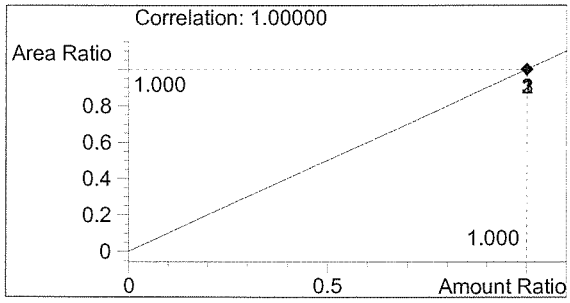


#	Compound	Area	RT
1	Ethanol	1512	1.036
2	n-Propanol	3645	1.687

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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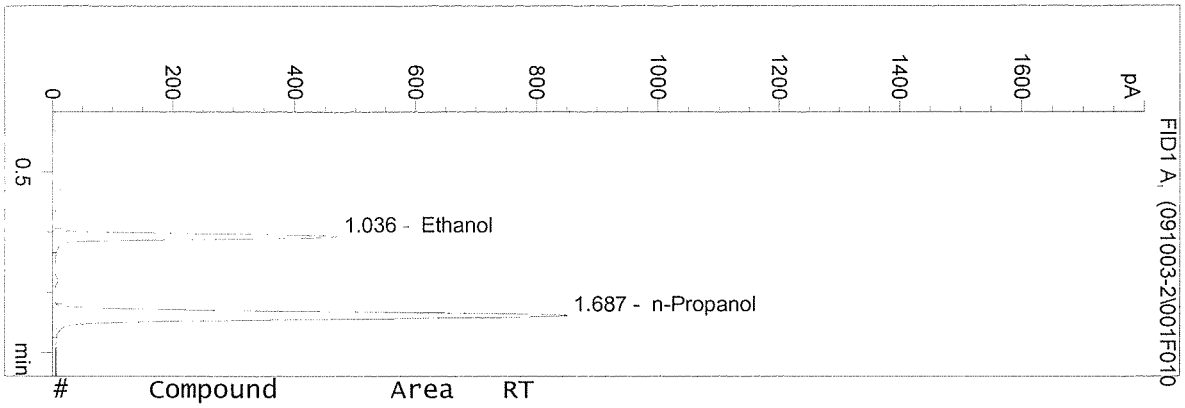
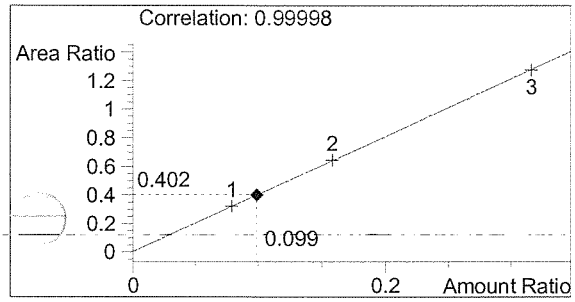
vial # 1

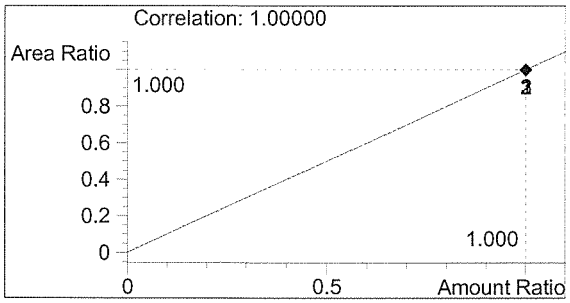


#	Compound	Area	RT
1	Ethanol	1444	1.036
2	n-Propanol	3588	1.687

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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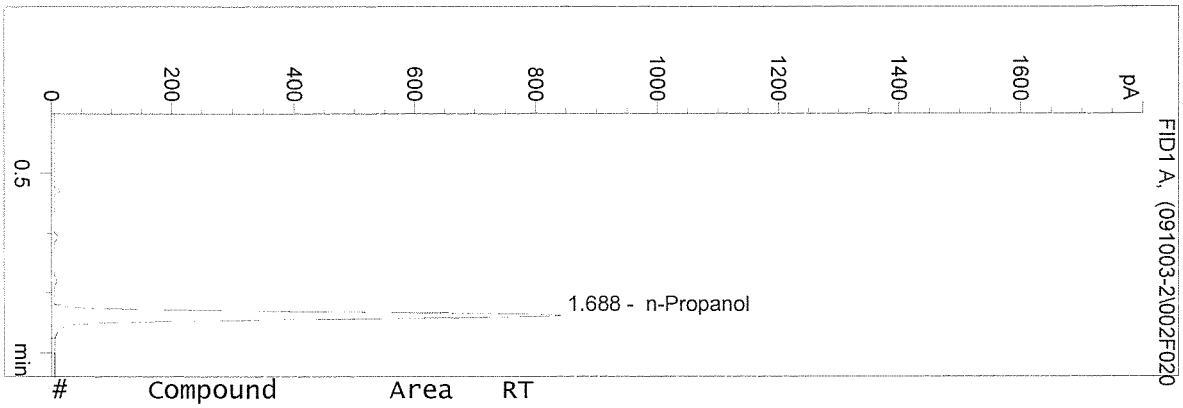
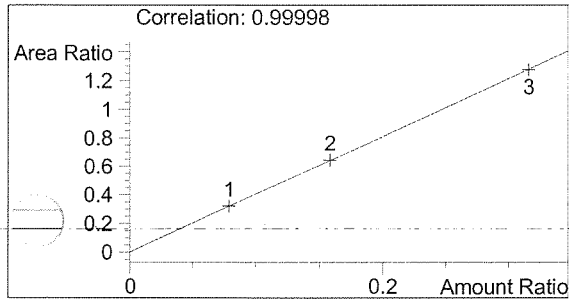
vial # 2

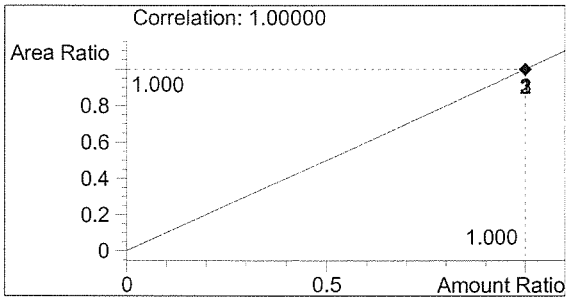


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3557	1.688

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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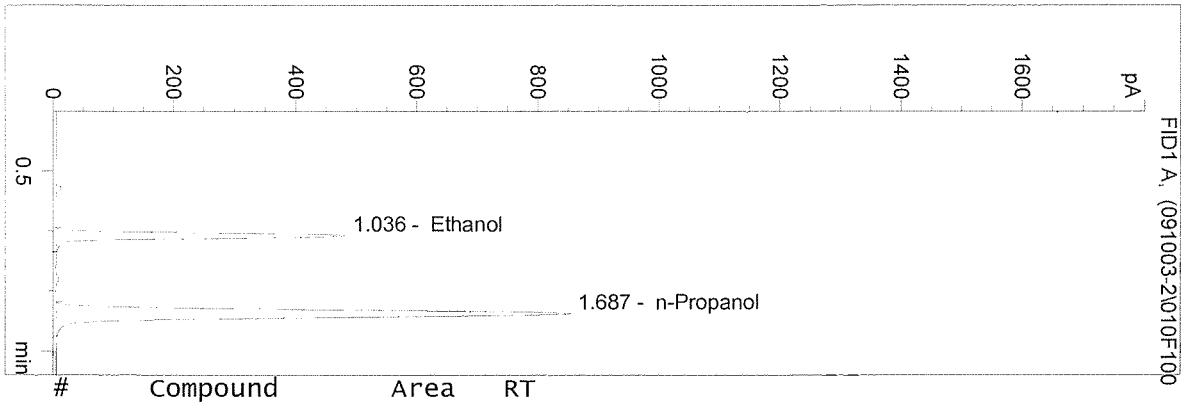
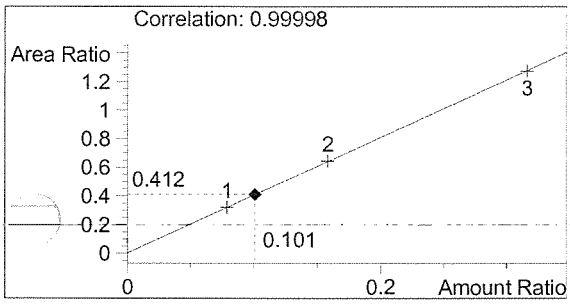
asa louis

vial # 10

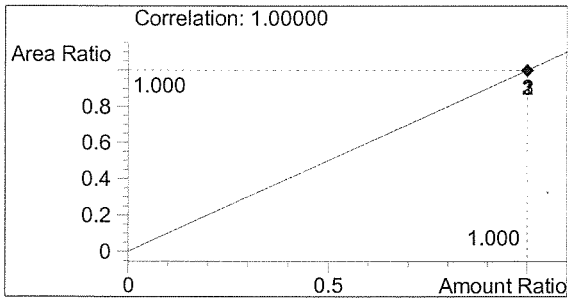


#	Compound	Area	RT
1	Ethanol	1491	1.036
2	n-Propanol	3623	1.687

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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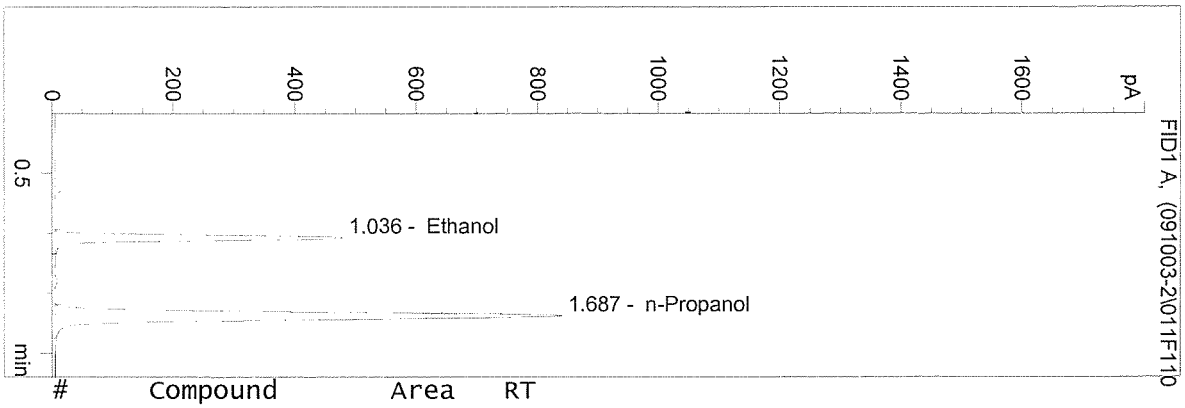
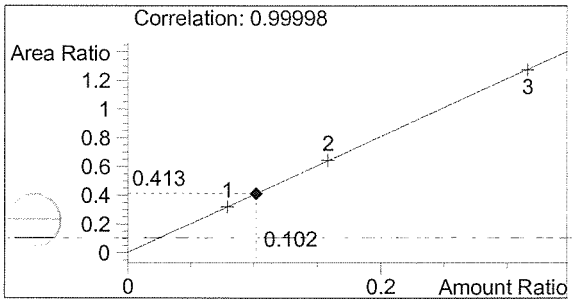
asa louis

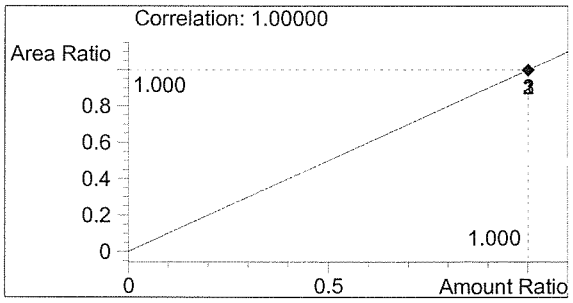
vial # 11



#	Compound	Area	RT
1	Ethanol	1470	1.036
2	n-Propanol	3558	1.687
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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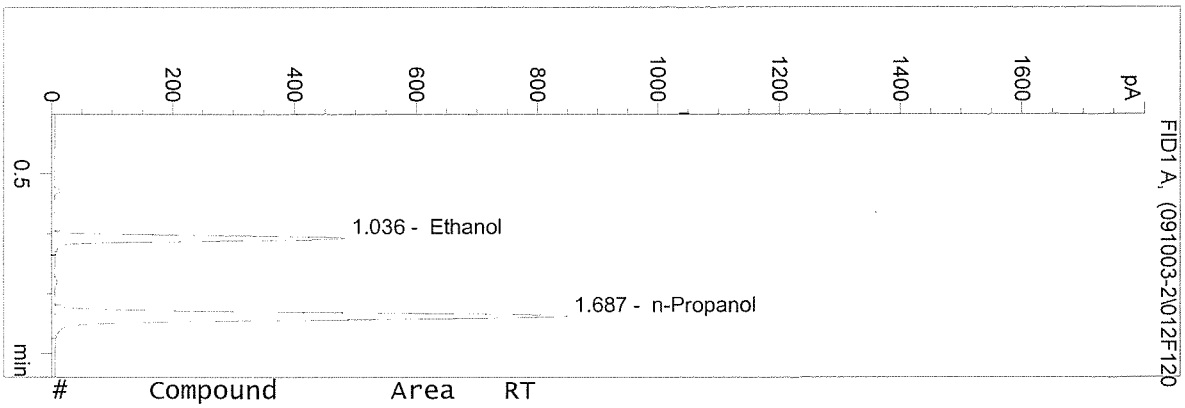
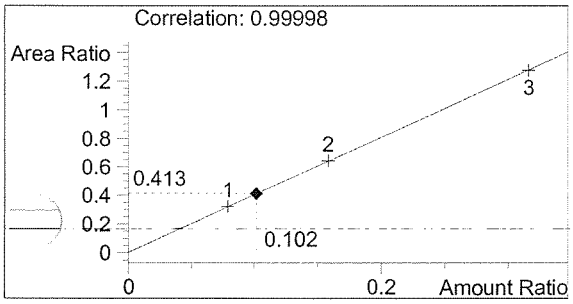
vial # 12

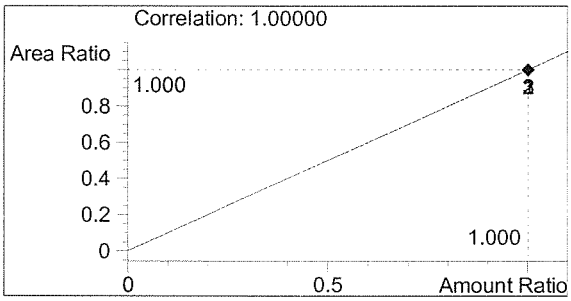


#	Compound	Area	RT
1	Ethanol	1489	1.036
2	n-Propanol	3601	1.687

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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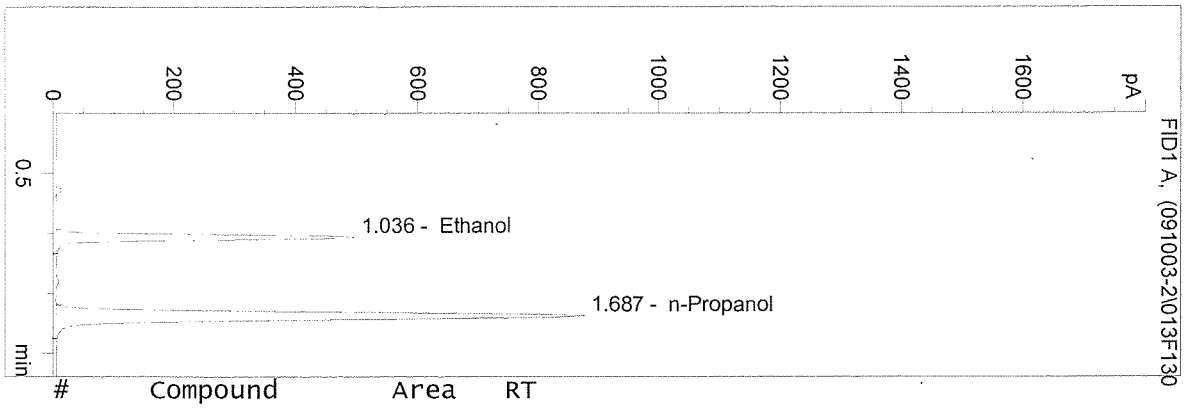
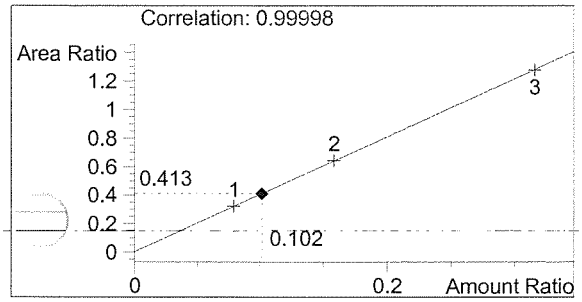
asa louis

vial # 13

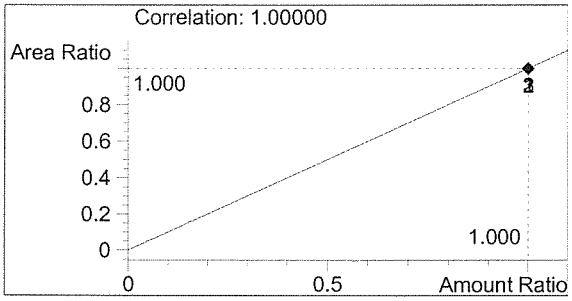


#	Compound	Area	RT
1	Ethanol	1529	1.036
2	n-Propanol	3707	1.687

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
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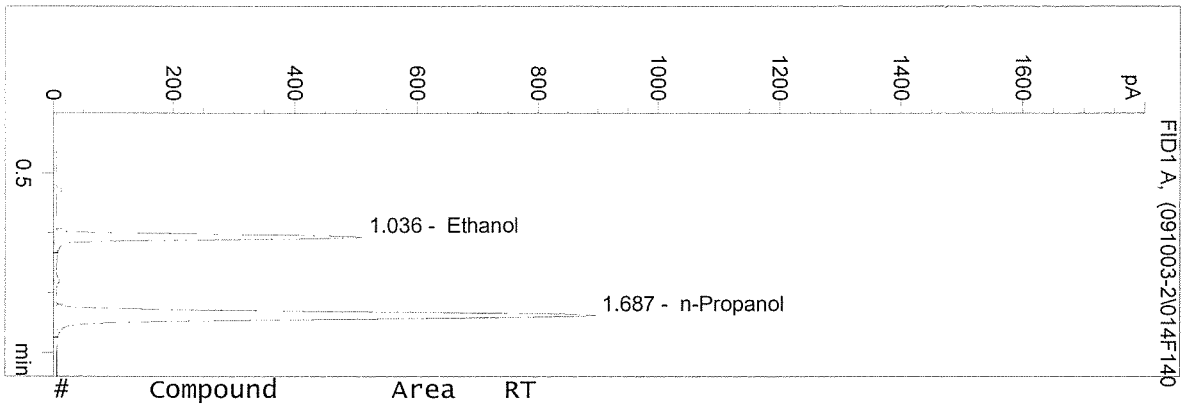
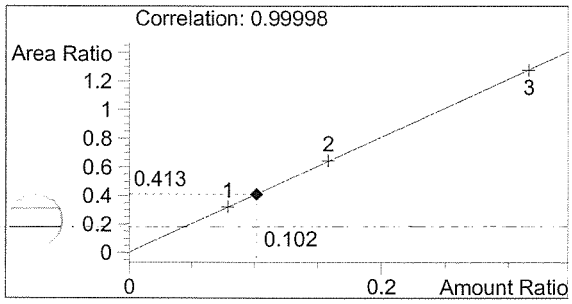
asa louis

vial # 14

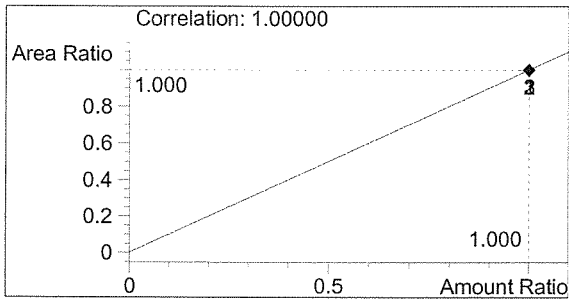


#	Compound	Area	RT
1	Ethanol	1564	1.036
2	n-Propanol	3787	1.687

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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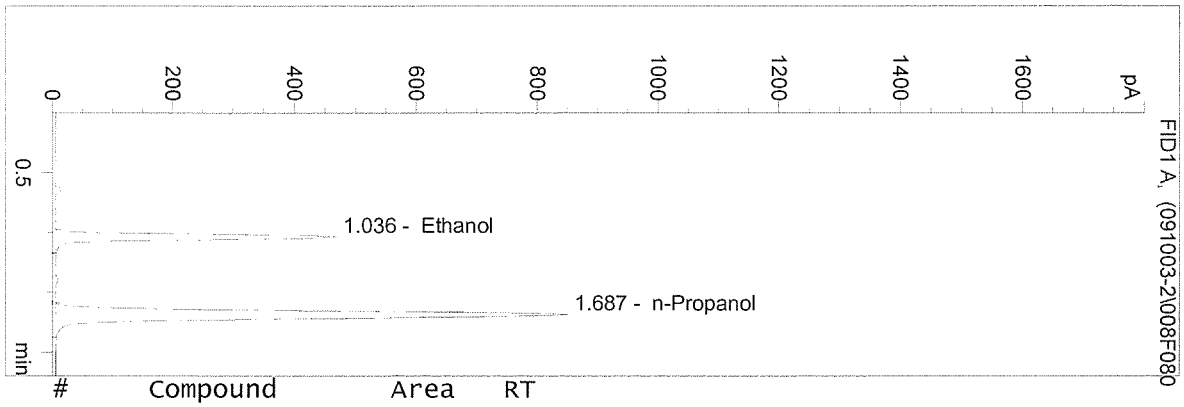
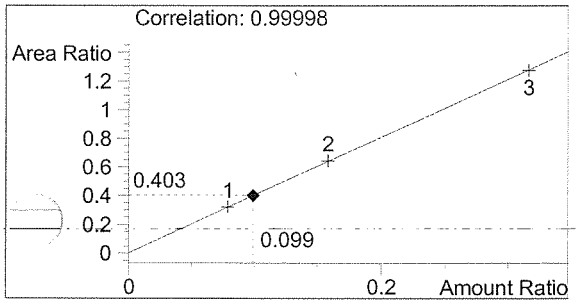
asa louis

vial # 8

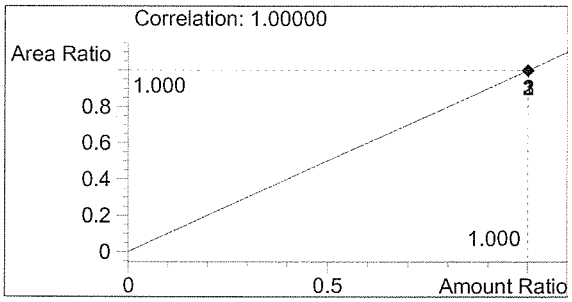


#	Compound	Area	RT
1	Ethanol	1443	1.036
2	n-Propanol	3584	1.687

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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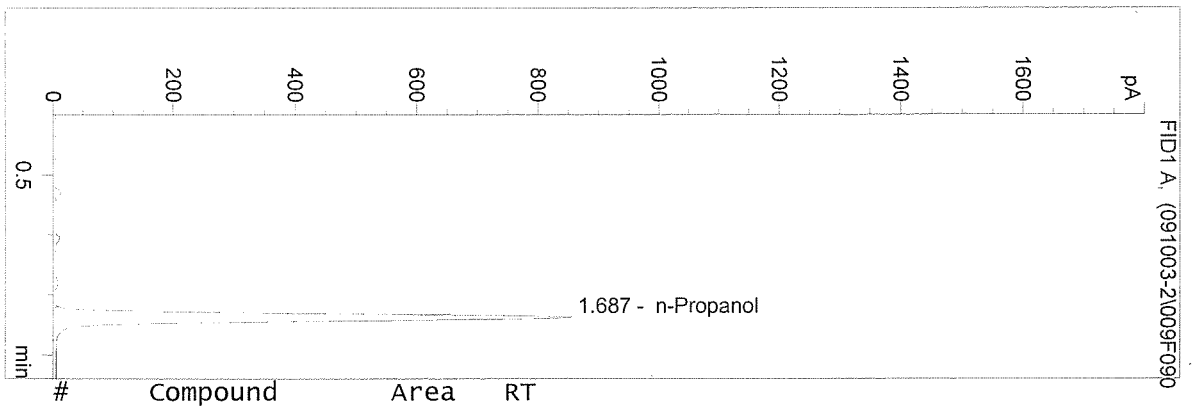
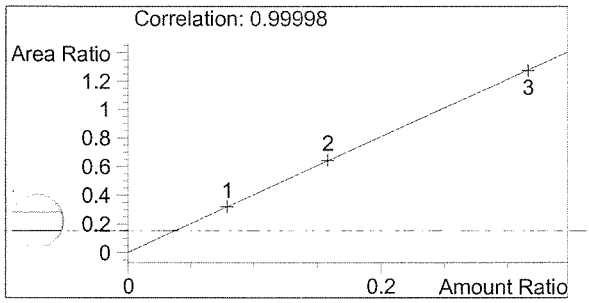
asa louis

vial # 9

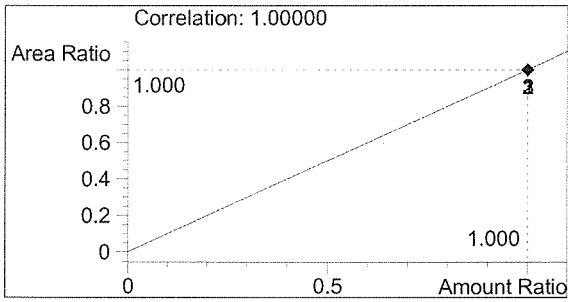


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3610	1.687

Totals:



Ethanol 0.000 g/100ml



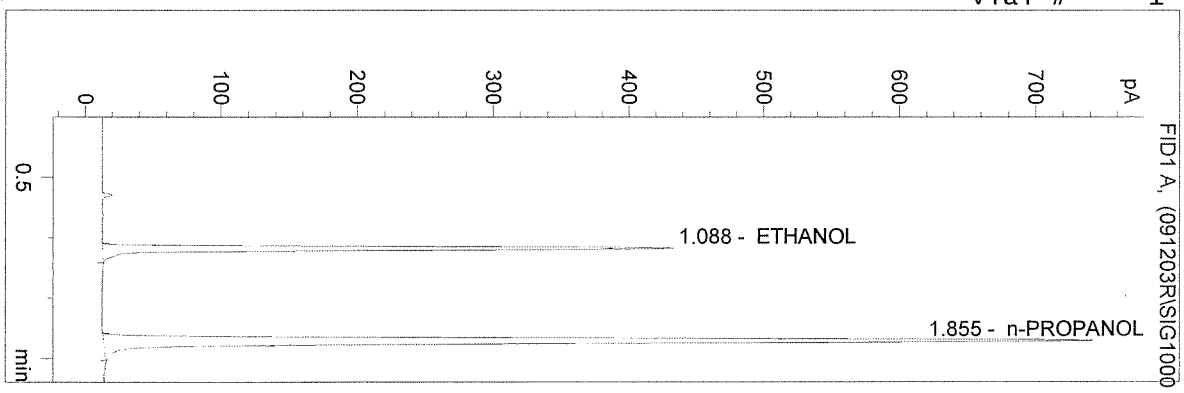
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/12/03 9:01:47 AM
Instrument 3

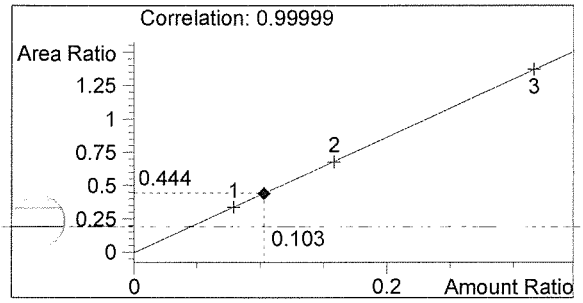
03028 sim soln
m pemberton

vial # 1

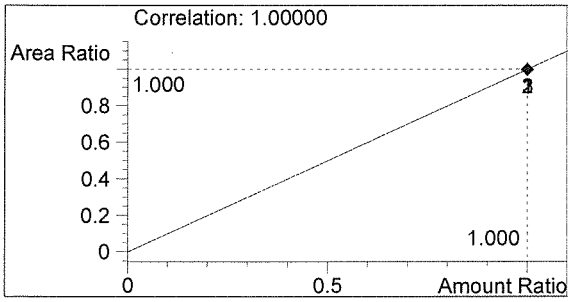


#	Compound	Area	RT
1	ETHANOL	944	1.088
2	n-PROPANOL	2127	1.855

Totals:



ETHANOL 0.103 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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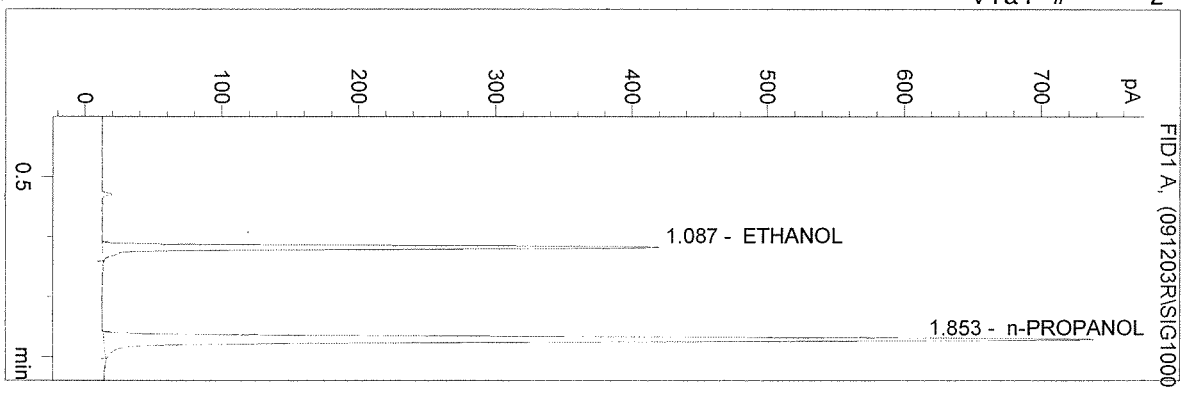
9/12/03 9:04:51 AM
Instrument 3

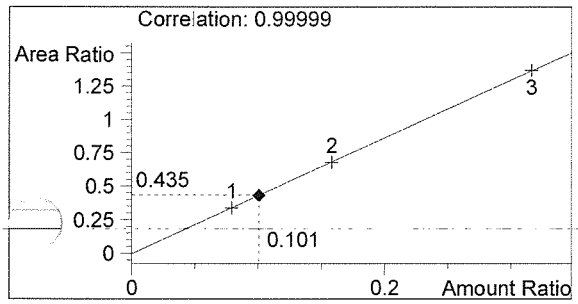
03028 sim soln
m pemberton

vial # 2

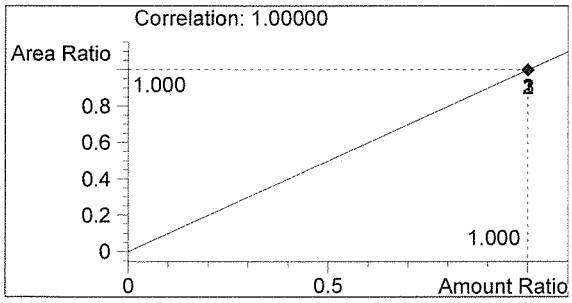


#	Compound	Area	RT
1	ETHANOL	921	1.087
2	n-PROPANOL	2120	1.853

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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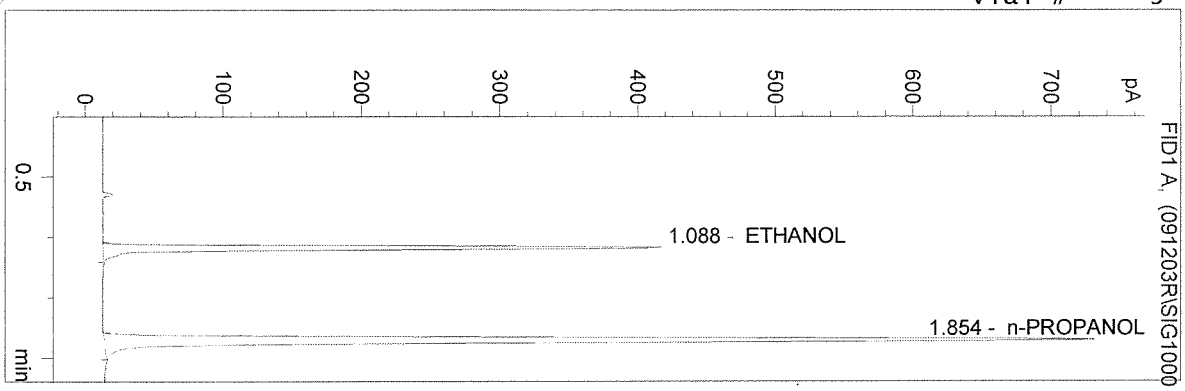
9/12/03 9:07:55 AM
Instrument 3

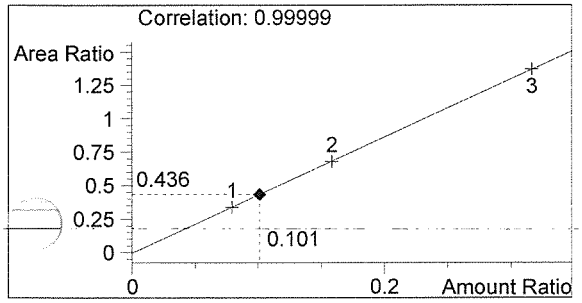
03028 sim soln
m pemberton

vial # 3

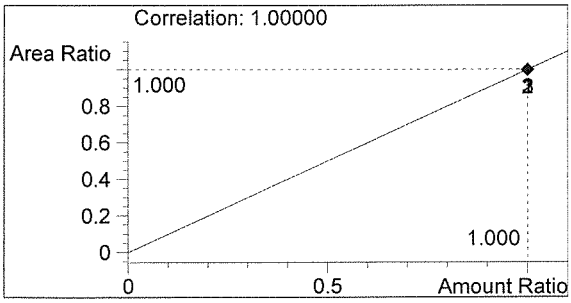


#	Compound	Area	RT
1	ETHANOL	912	1.088
2	n-PROPANOL	2092	1.854

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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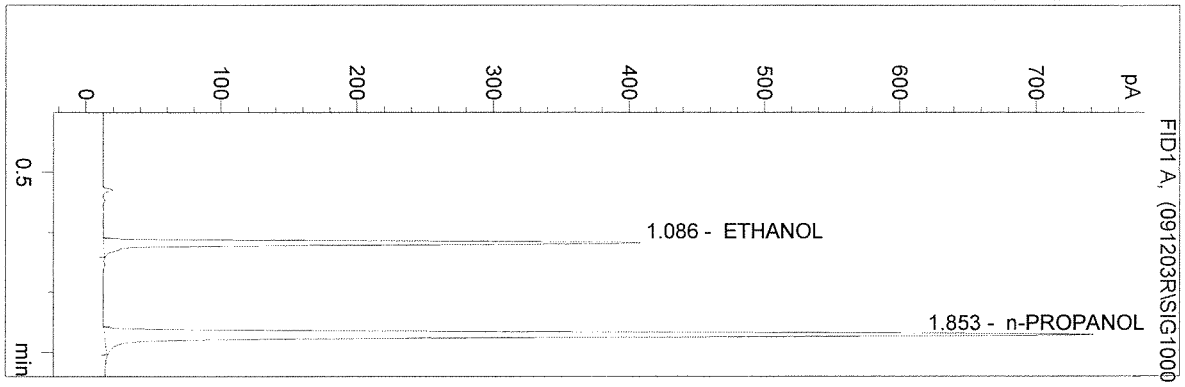
9/12/03 9:10:59 AM
Instrument 3

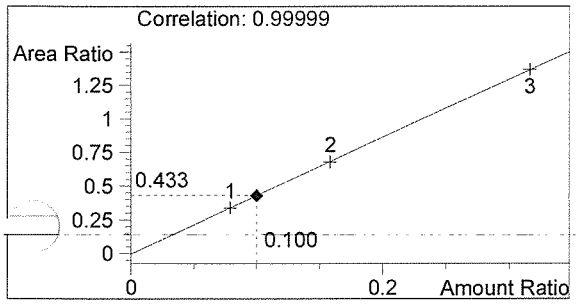
03028 sim soln
m pemberton

vial # 4

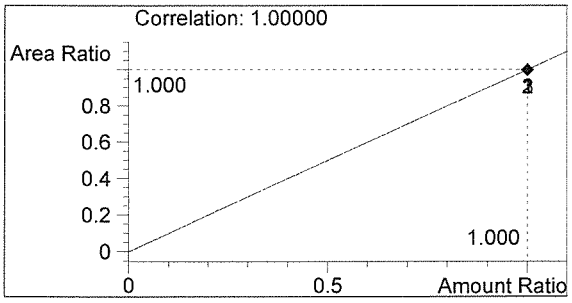


#	Compound	Area	RT
1	ETHANOL	932	1.086
2	n-PROPANOL	2154	1.853

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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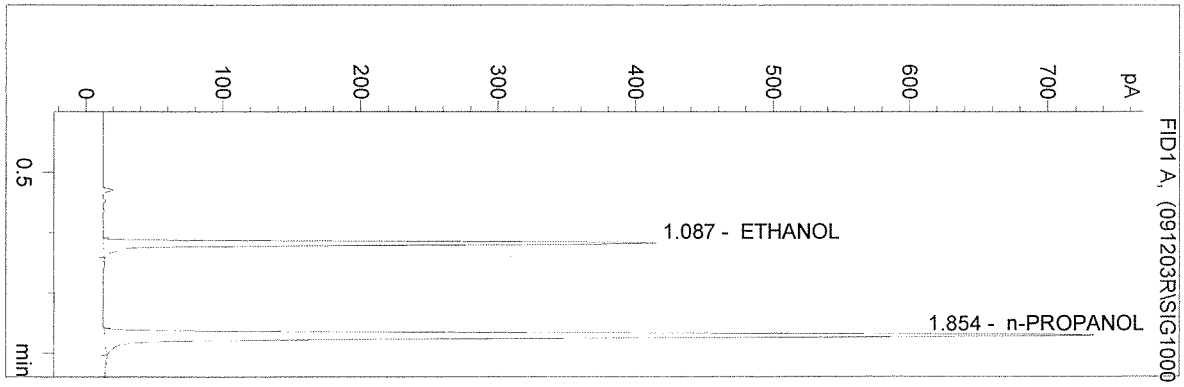
9/12/03 9:14:28 AM
Instrument 3

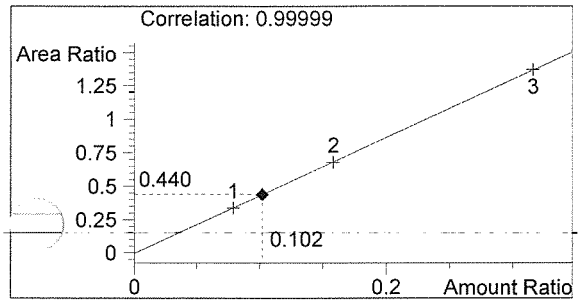
03028 sim soln
m pemberton

vial # 5

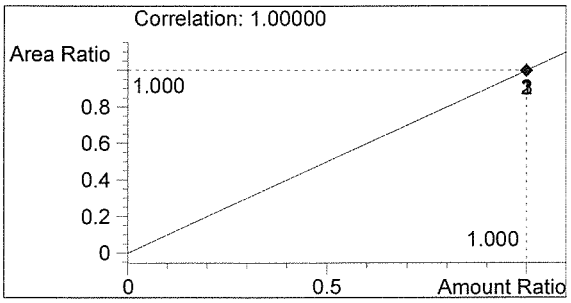


#	Compound	Area	RT
1	ETHANOL	927	1.087
2	n-PROPANOL	2107	1.854

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M
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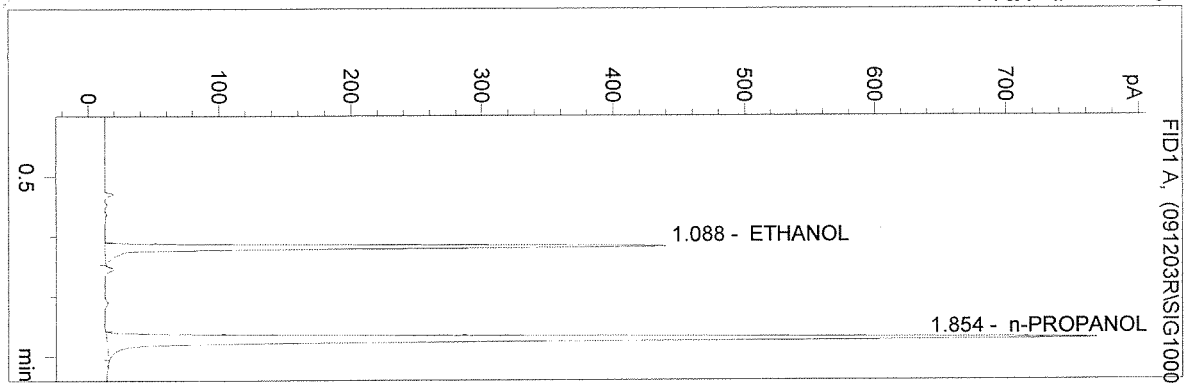
Instrument 3

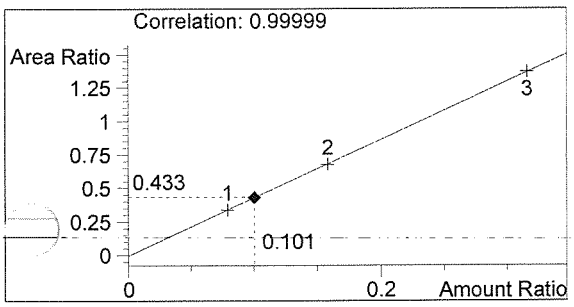
0.10 control
m pemberton

vial # 6

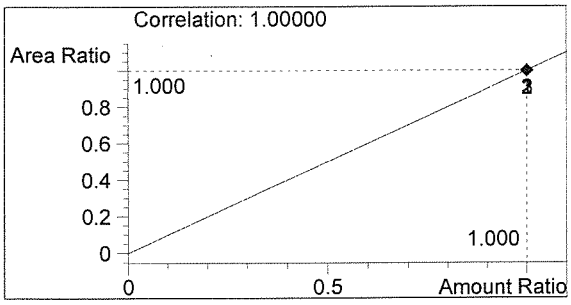


#	Compound	Area	RT
1	ETHANOL	944	1.088
2	n-PROPANOL	2178	1.854

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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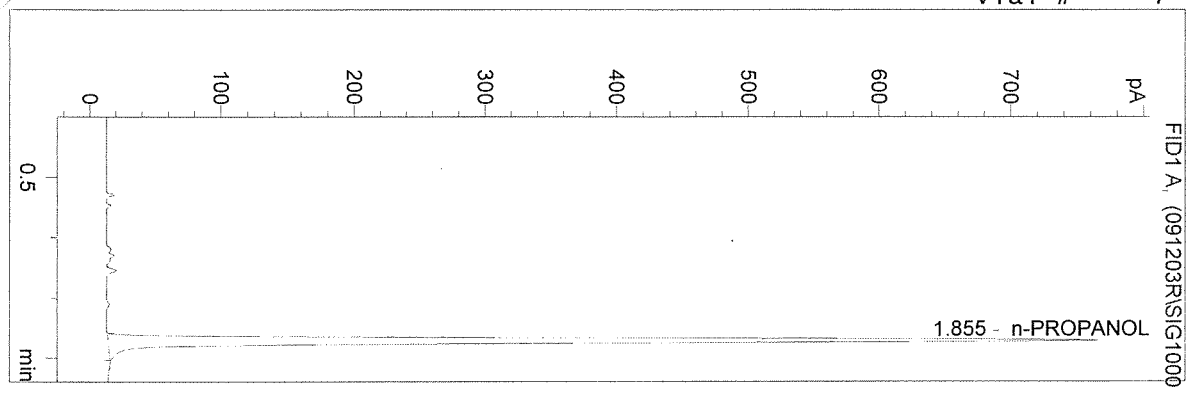
9/12/03 9:20:36 AM
Instrument 3

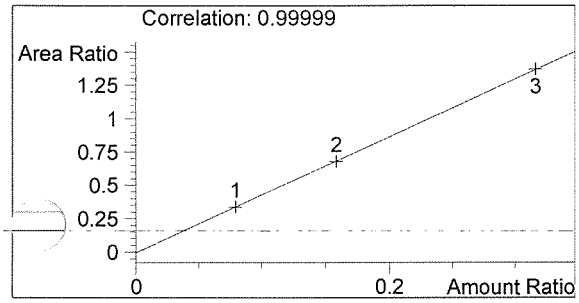
blk
m pemberton

vial # 7

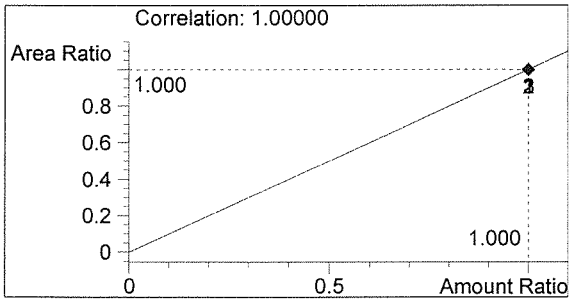


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2164	1.855

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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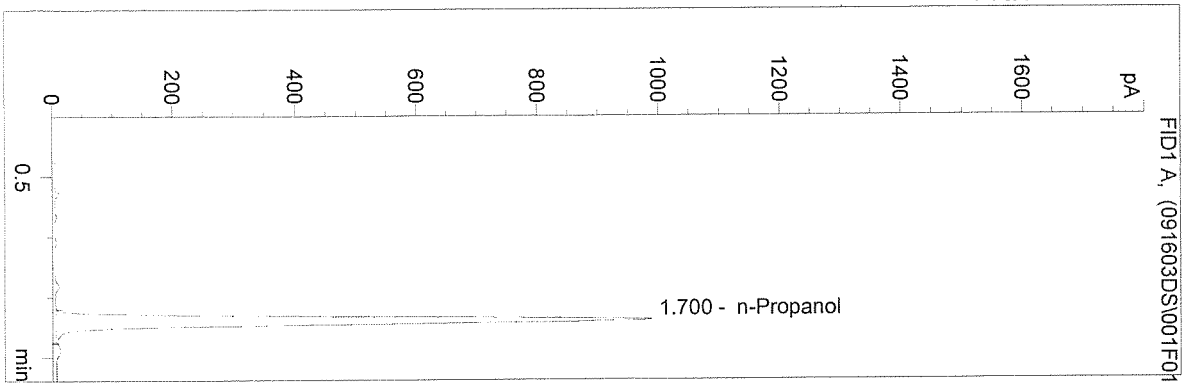
9/16/03 12:04:49 PM
Instrument 1
ALC1

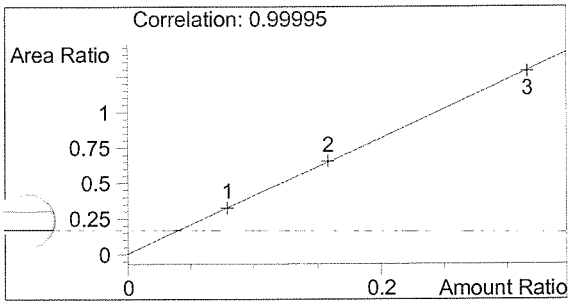
BLANK
Dora Schranz

vial # 1

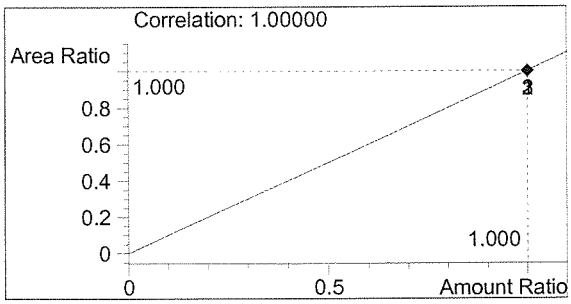


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4203	1.700

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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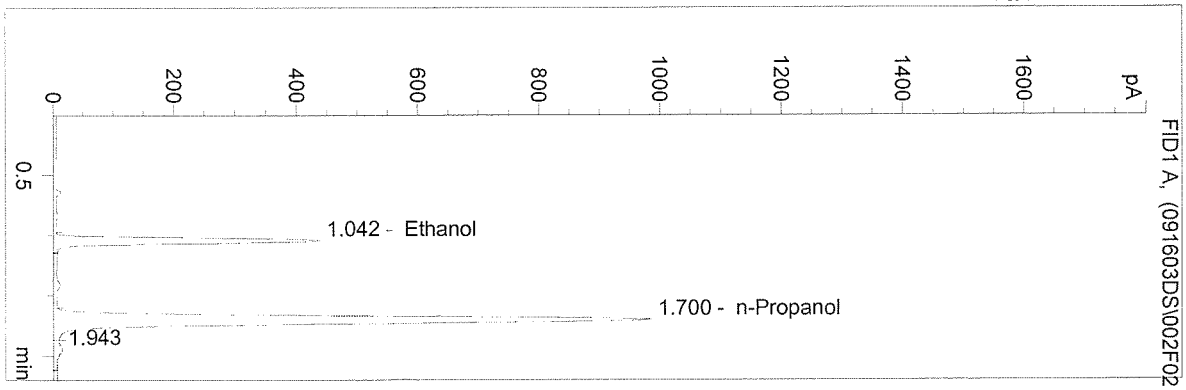
9/16/03 12:07:51 PM
Instrument 1
ALC1

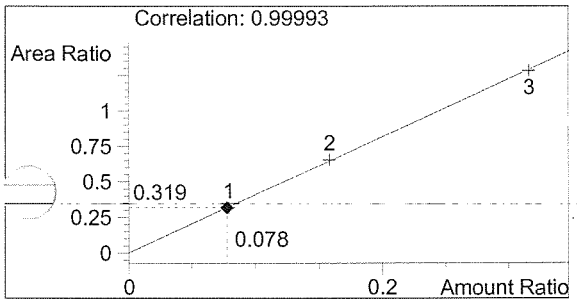
0.079 CAL
Dora Schranz

vial # 2

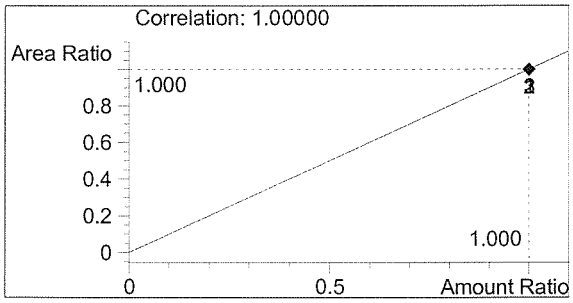


#	Compound	Area	RT
1	Ethanol	1332	1.042
2	n-Propanol	4179	1.700
3		53	1.943

Totals:



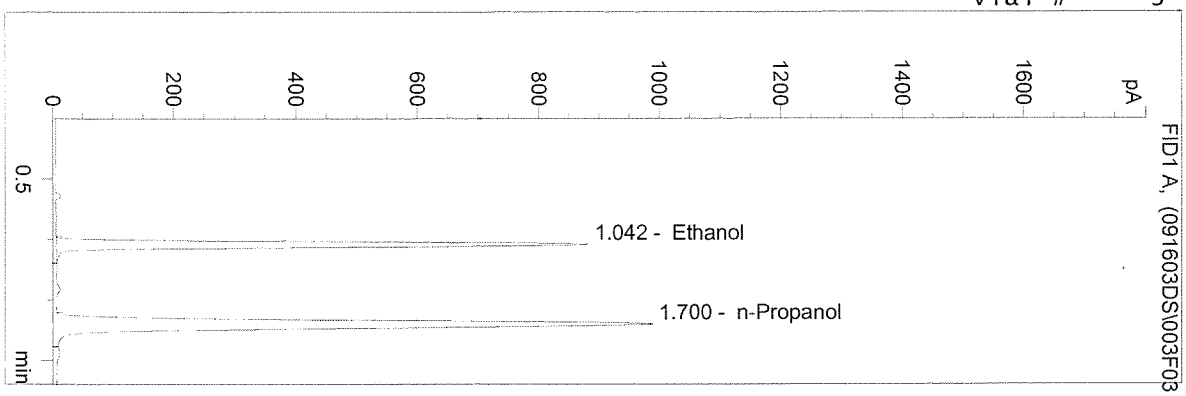
Ethanol 0.078 g/100ml



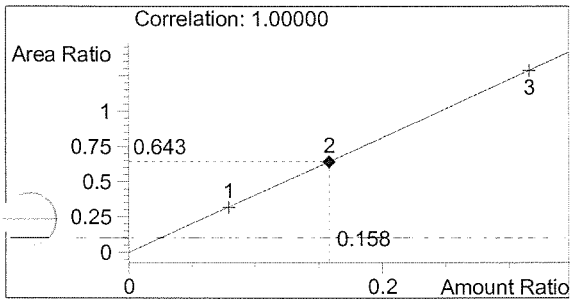
n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
9/16/03 12:10:53 PM
Instrument 1
ALC1

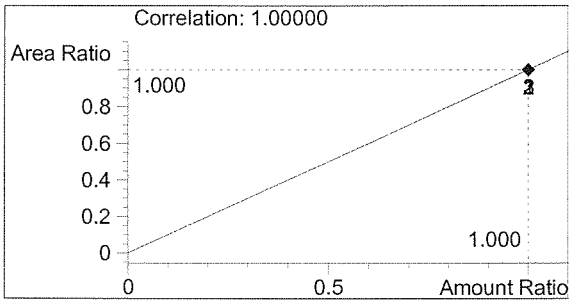
0.158 CAL
Dora Schranz
vial # 3



#	Compound	Area	RT
1	Ethanol	2693	1.042
2	n-Propanol	4191	1.700
Totals:			



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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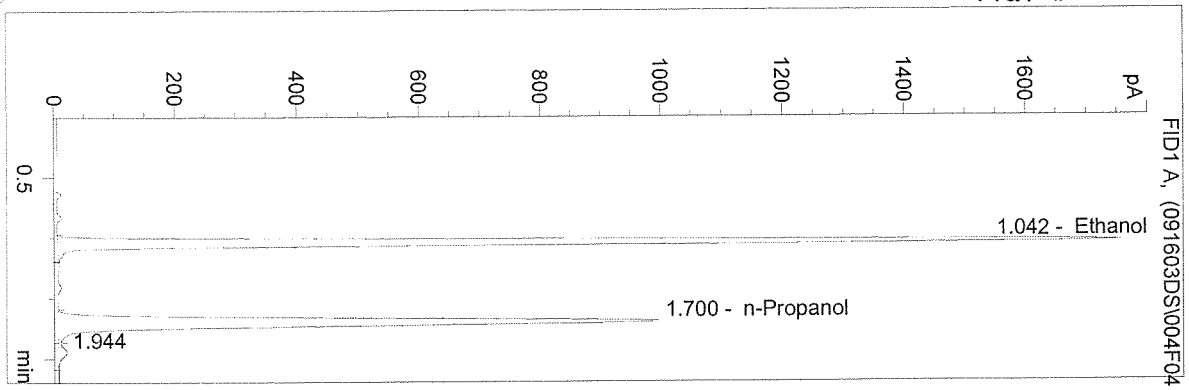
9/16/03 12:14:00 PM
Instrument 1
ALC1

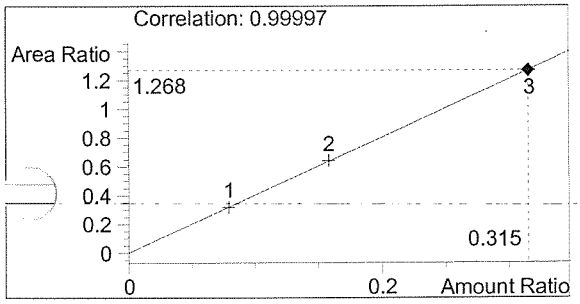
0.316 CAL
Dora Schranz

vial # 4

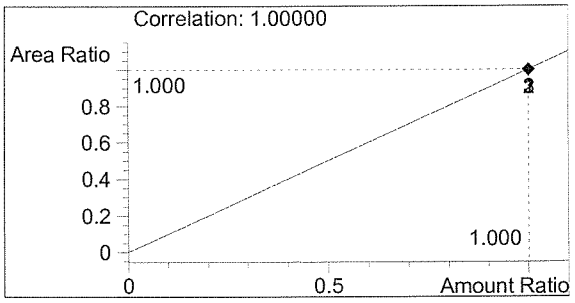


#	Compound	Area	RT
1	Ethanol	5394	1.042
2	n-Propanol	4255	1.700
3		87	1.944

Totals:



Ethanol 0.315 g/100ml



n-Propanol 1.000 g/100ml

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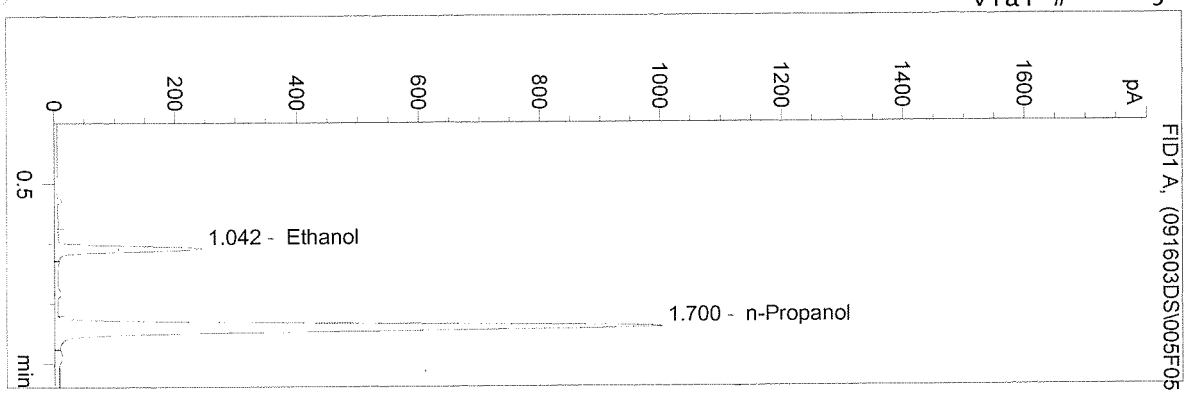
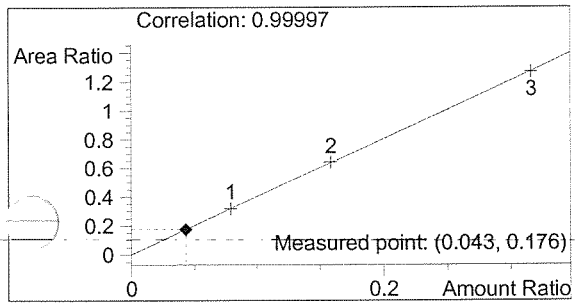
Instrument 1
ALC1

0.04 CONTROL
Dora Schranz

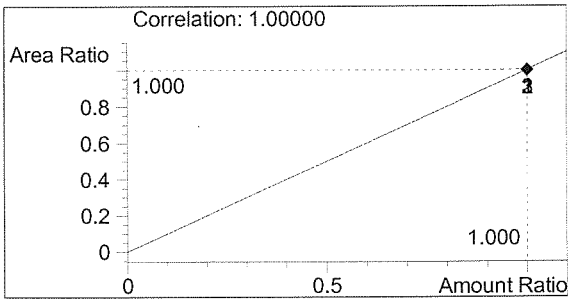
vial # 5



#	Compound	Area	RT
1	Ethanol	746	1.042
2	n-Propanol	4249	1.700
Totals:			



Ethanol 0.043 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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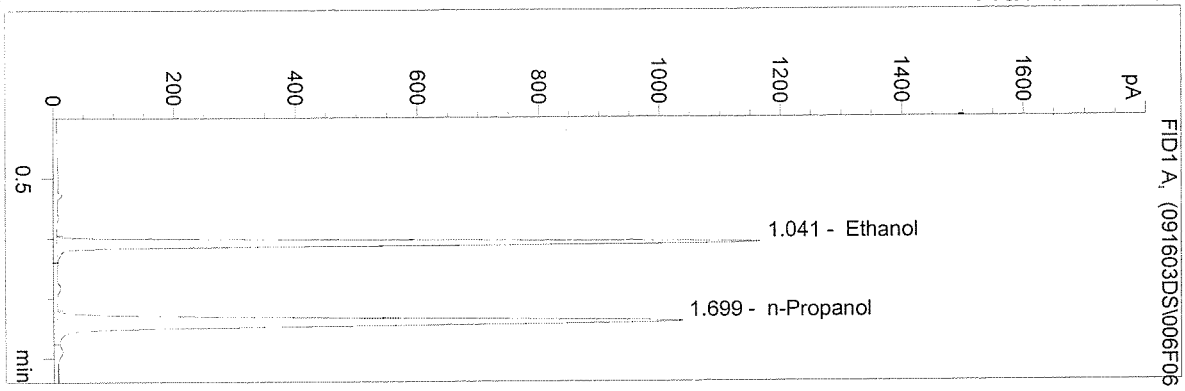
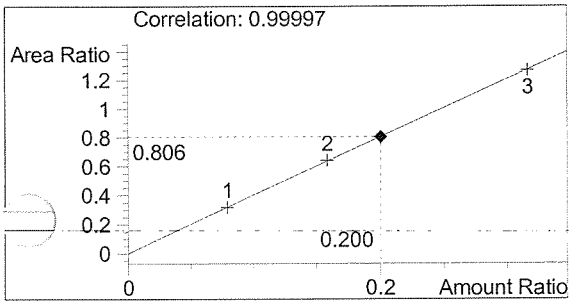
9/16/03 12:20:28 PM
Instrument 1
ALC1

0.2 CONTROL
Dora Schranz

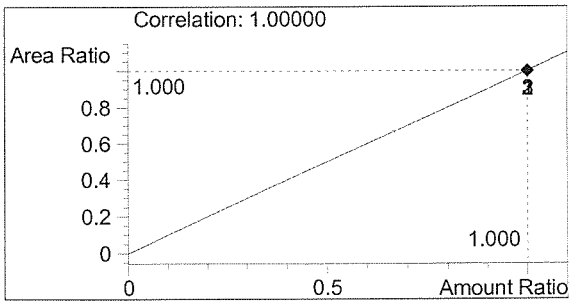
vial # 6



#	Compound	Area	RT
1	Ethanol	3539	1.041
2	n-Propanol	4389	1.699
Totals:			



Ethanol 0.200 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
ALC1

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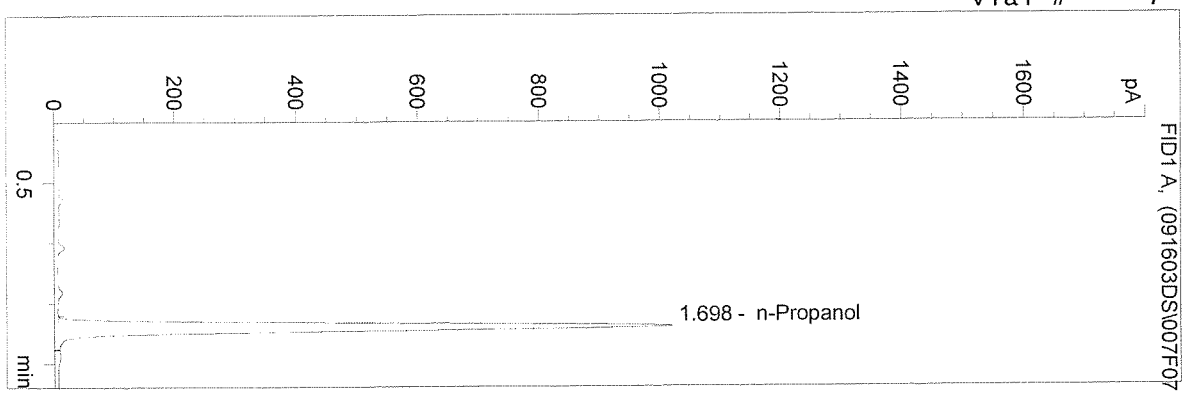
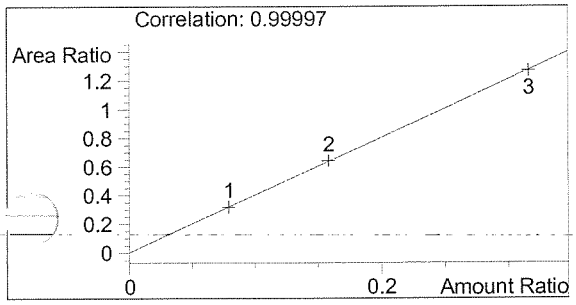
Dora Schranz

vial # 7

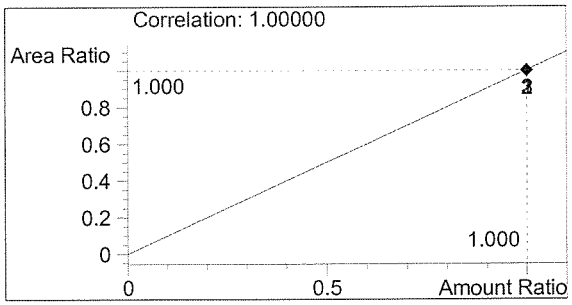


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4273	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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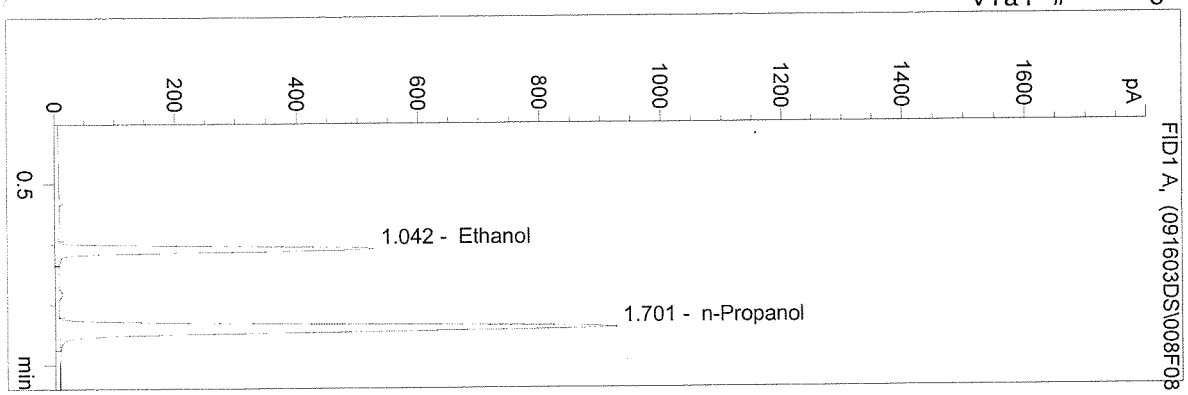
9/16/03 12:26:34 PM
Instrument 1
ALC1

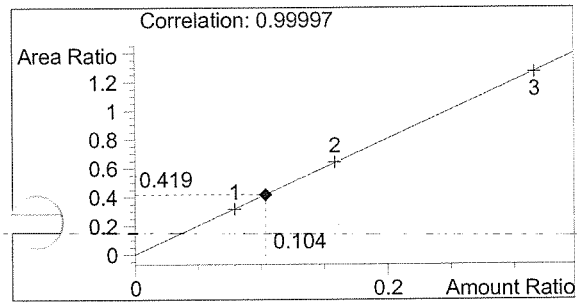
03028 1
Dora Schranz

vial # 8

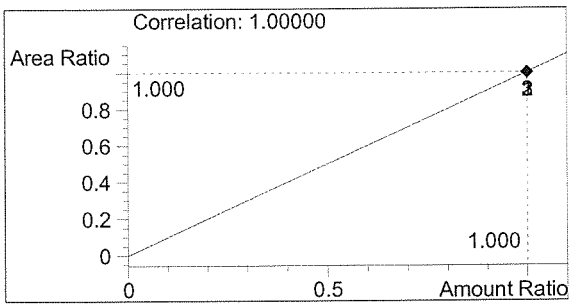


#	Compound	Area	RT
1	Ethanol	1652	1.042
2	n-Propanol	3943	1.701

Totals:



Ethanol 0.104 g/100ml



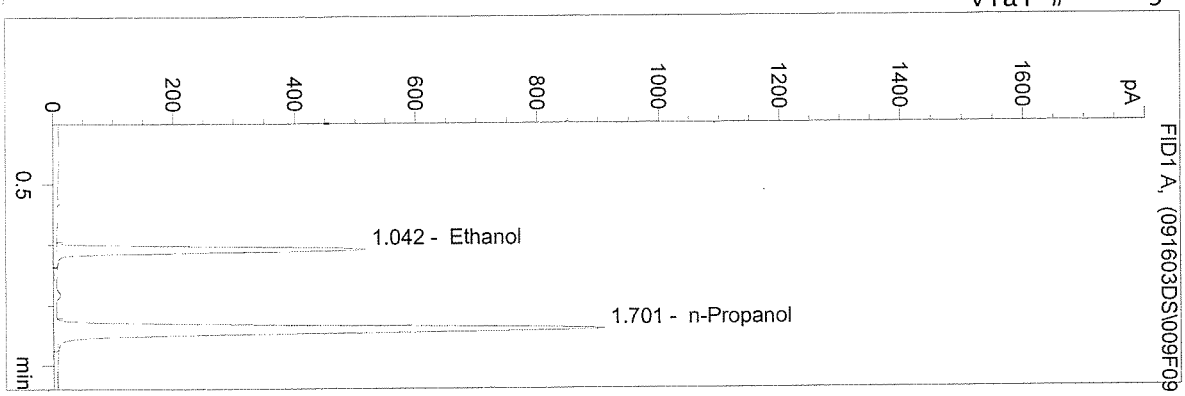
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/16/03 12:29:56 PM
Instrument 1
ALC1

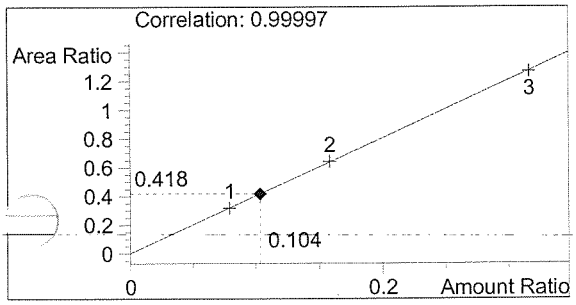
03028 2
Dora Schranz

vial # 9

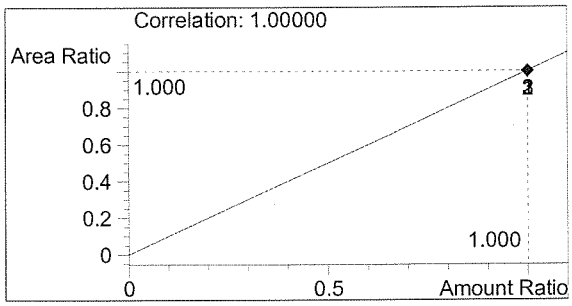


#	Compound	Area	RT
1	Ethanol	1618	1.042
2	n-Propanol	3868	1.701

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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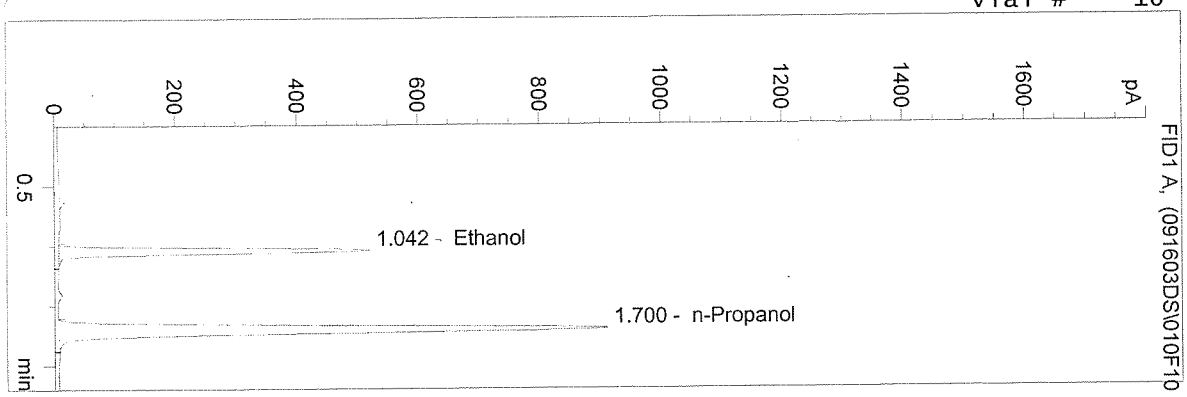
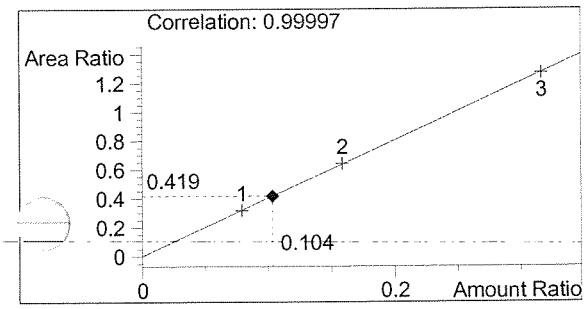
Instrument 1
ALC1

03028 3
Dora Schranz

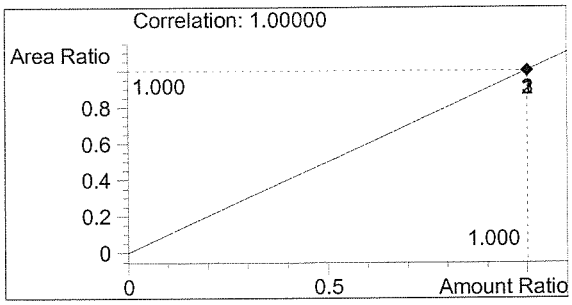
vial # 10



#	Compound	Area	RT
1	Ethanol	1617	1.042
2	n-Propanol	3865	1.700
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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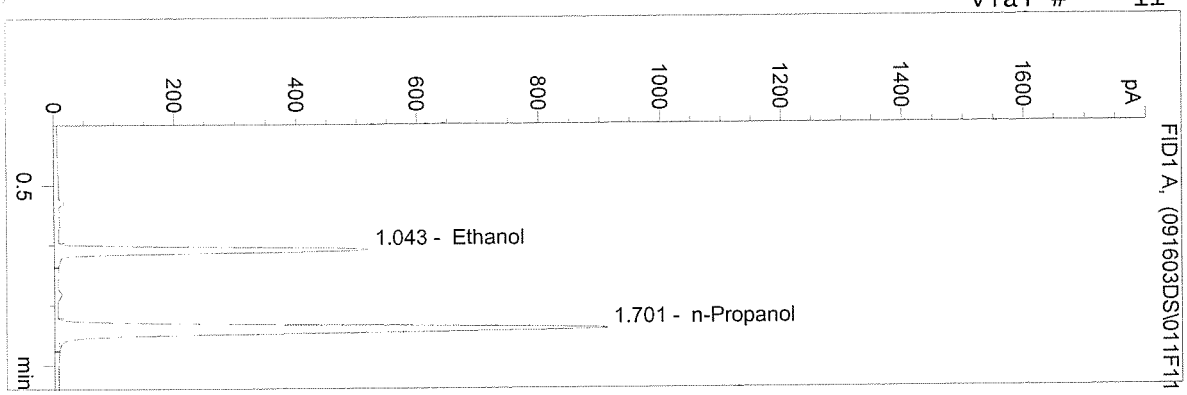
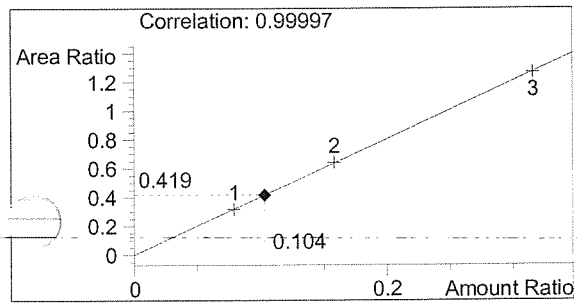
Instrument 1
ALC1

03028 4
Dora Schranz

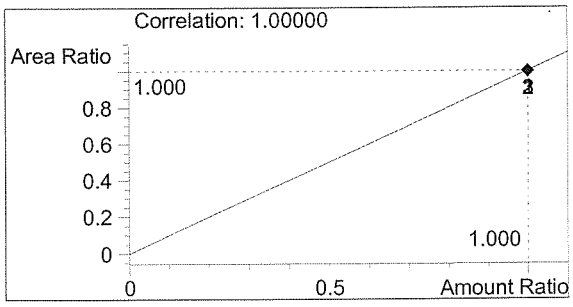
vial # 11



#	Compound	Area	RT
1	Ethanol	1623	1.043
2	n-Propanol	3876	1.701
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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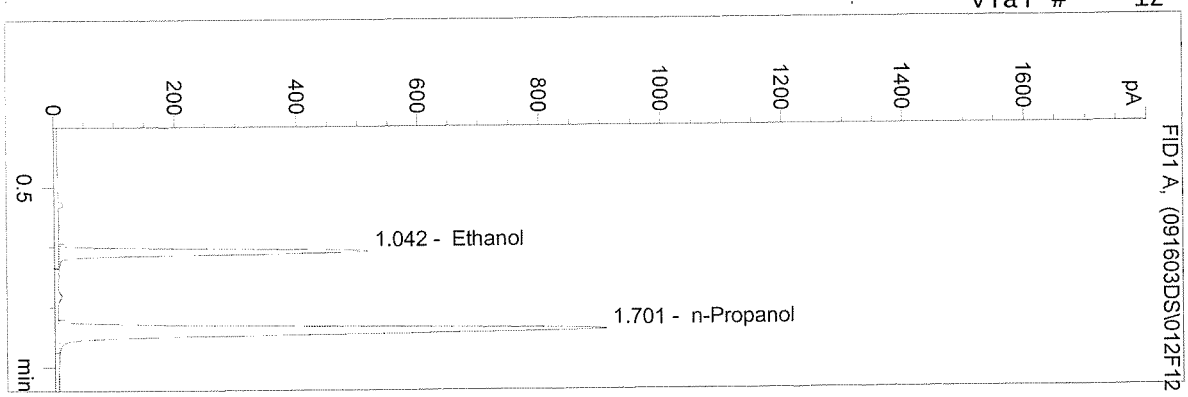
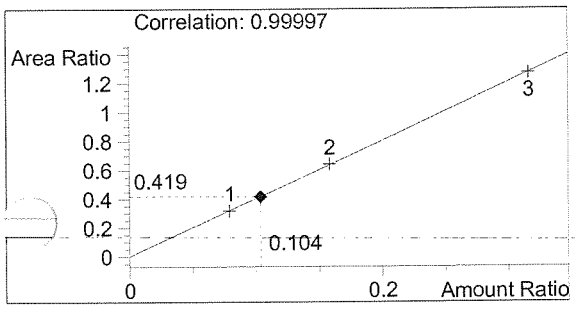
Instrument 1
ALC1

03028 5
Dora Schranz

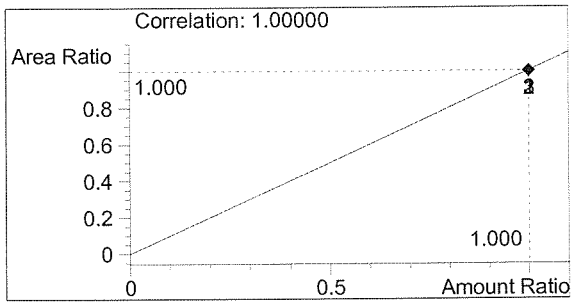
vial # 12



#	Compound	Area	RT
1	Ethanol	1620	1.042
2	n-Propanol	3867	1.701
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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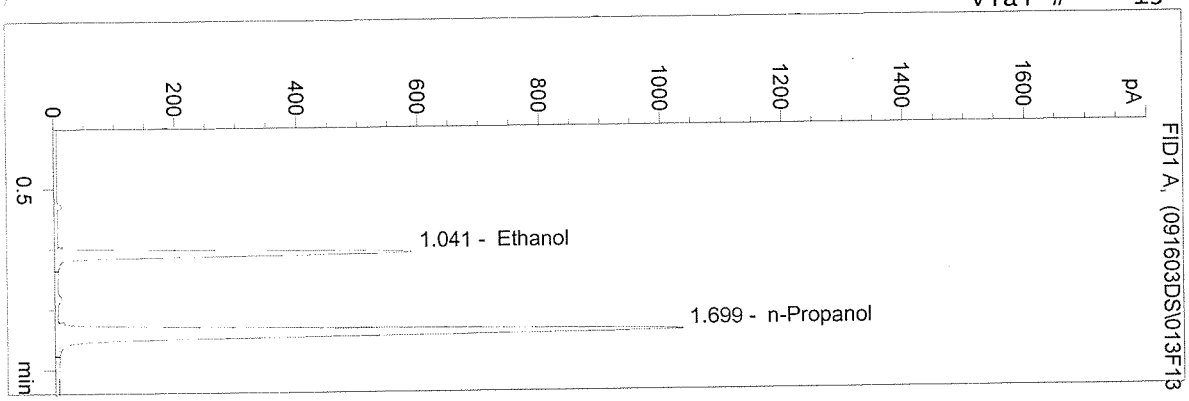
Instrument 1
ALC1

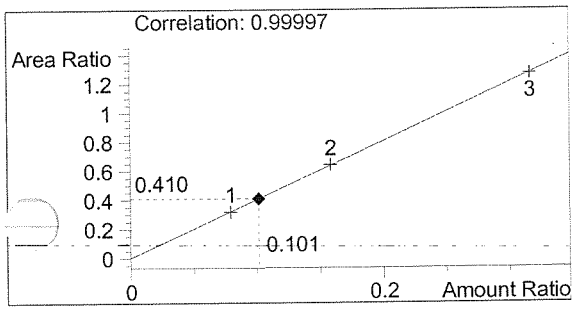
0.1 CONTROL
Dora Schranz

vial # 13

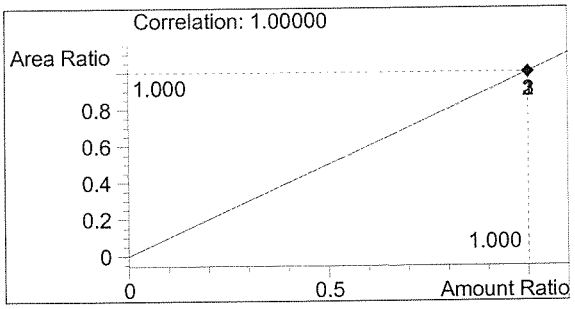


#	Compound	Area	RT
1	Ethanol	1782	1.041
2	n-Propanol	4351	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
ALC1

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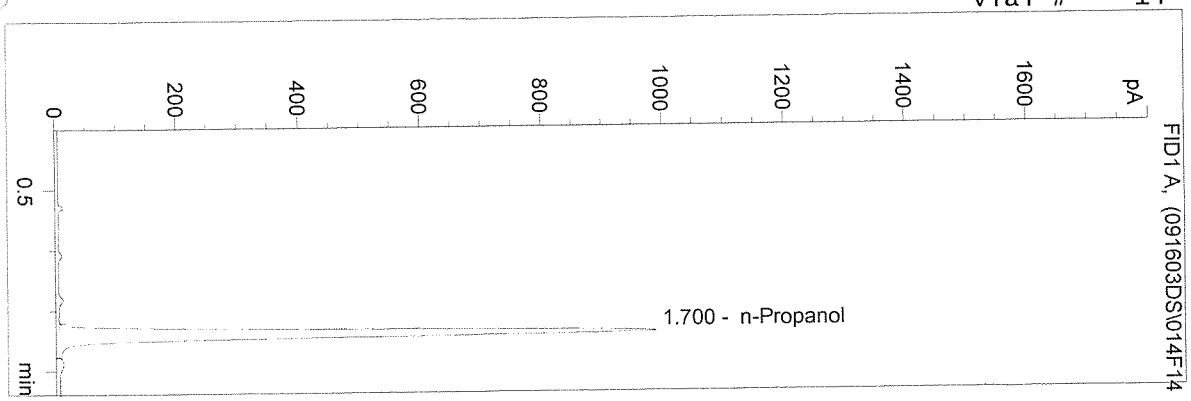
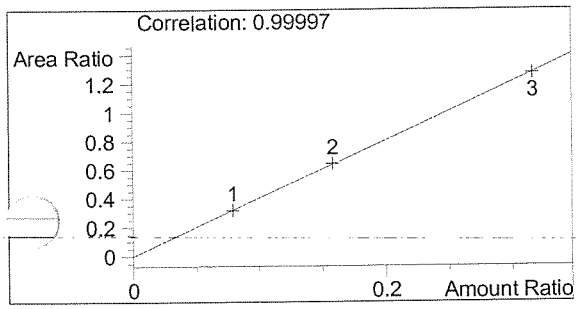
Dora Schranz

vial # 14

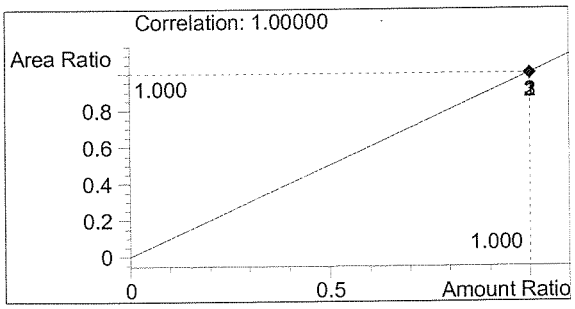


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4200	1.700

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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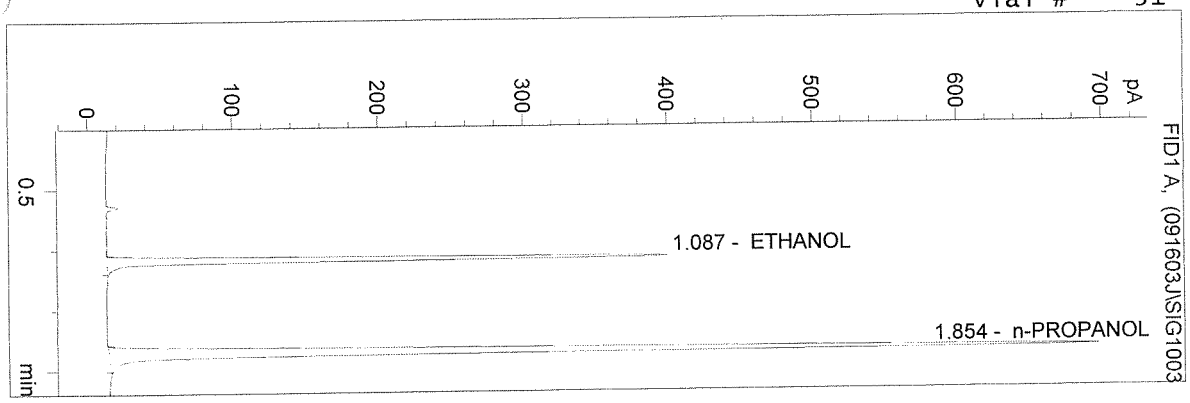
Instrument 3

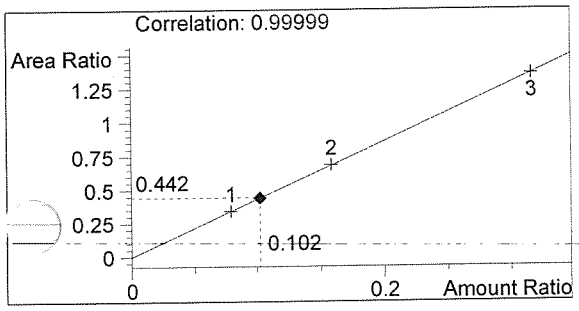
SimSoln 03028
Jayne E. Thatcher

vial # 31

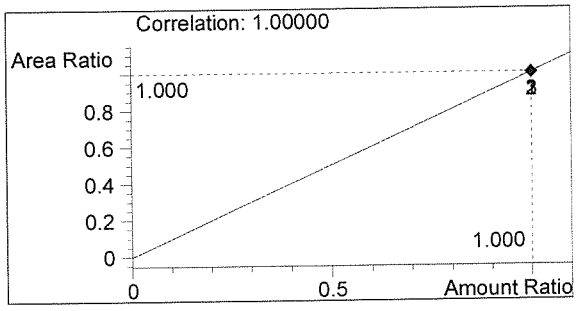


#	Compound	Area	RT
1	ETHANOL	883	1.087
2	n-PROPANOL	1999	1.854

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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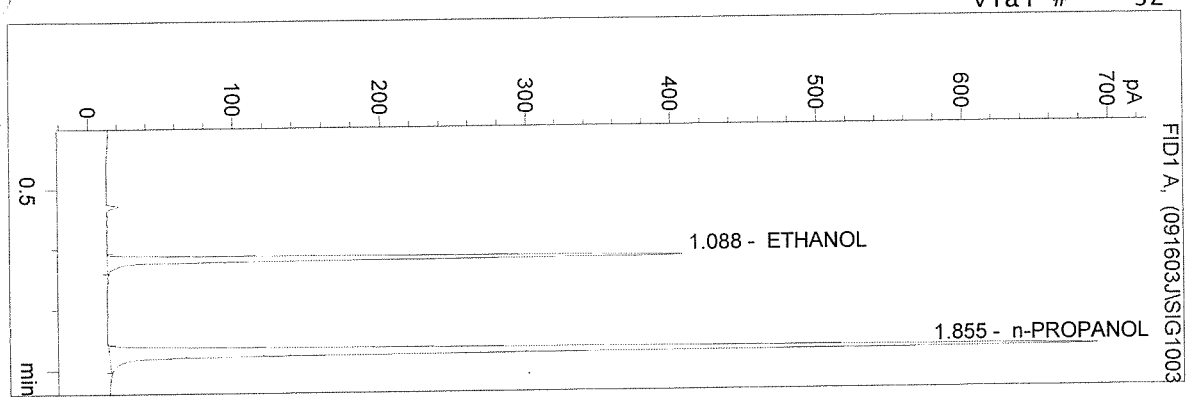
Instrument 3

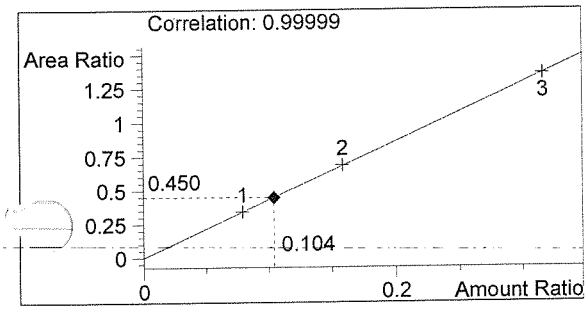
SimSoln 03028
Jayne E. Thatcher

vial # 32

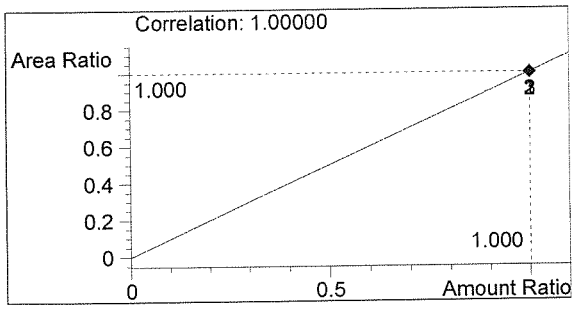


#	Compound	Area	RT
1	ETHANOL	888	1.088
2	n-PROPANOL	1972	1.855

Totals:



ETHANOL 0.104 g/100mL



n-PROPANOL 1.000 g/100mL

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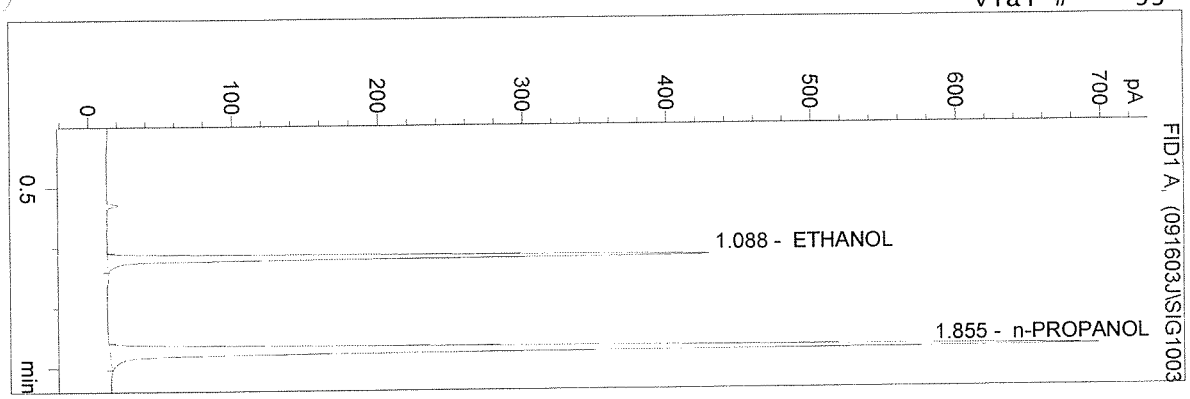
Instrument 3

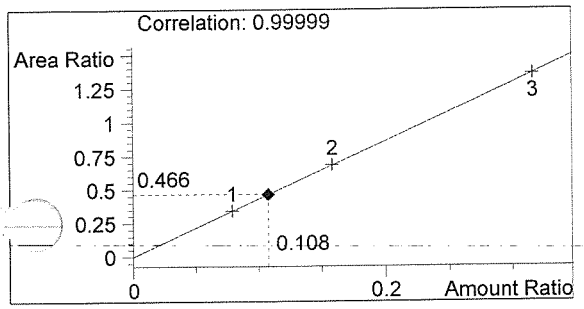
SimSoln 03028
Jayne E. Thatcher

vial # 33

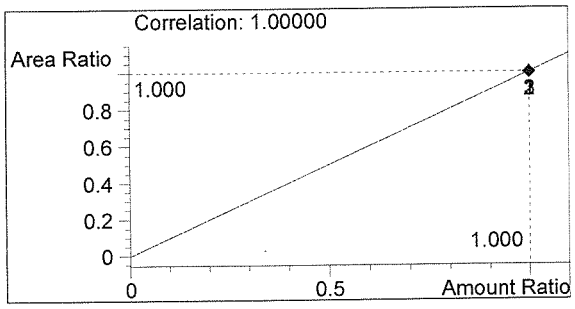


#	Compound	Area	RT
1	ETHANOL	929	1.088
2	n-PROPANOL	1992	1.855

Totals:



ETHANOL 0.108 g/100mL



n-PROPANOL 1.000 g/100mL

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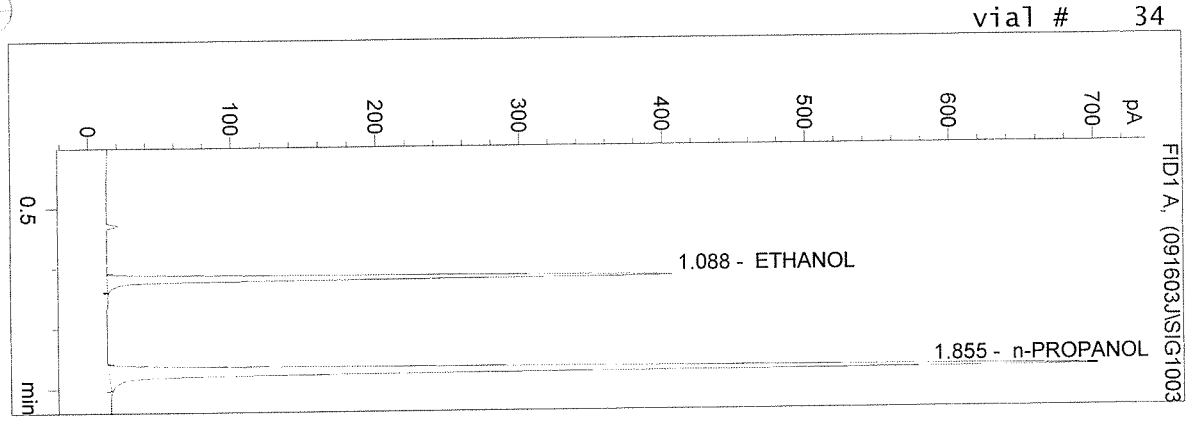
Instrument 3

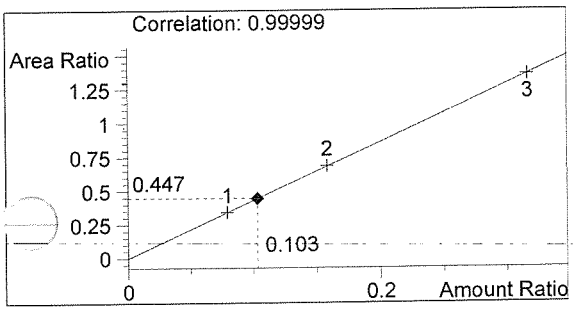
SimSoln 03028
Jayne E. Thatcher

vial # 34

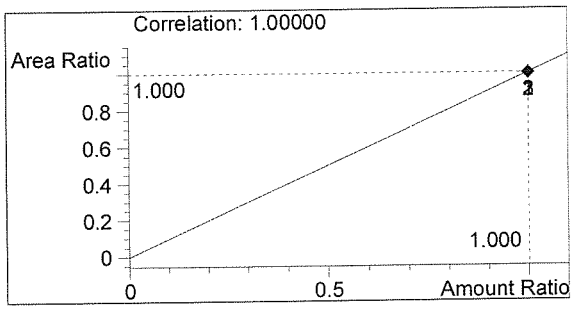


#	Compound	Area	RT
1	ETHANOL	899	1.088
2	n-PROPANOL	2013	1.855

Totals:



ETHANOL 0.103 g/100mL



n-PROPANOL 1.000 g/100mL

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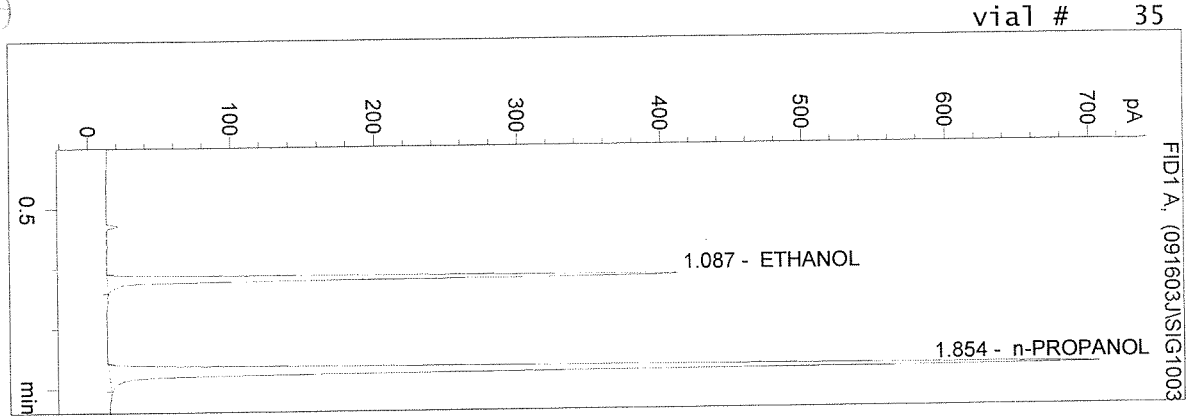
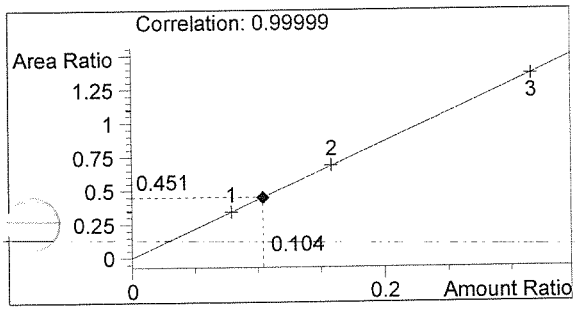
Instrument 3

SimSoln 03028
Jayne E. Thatcher

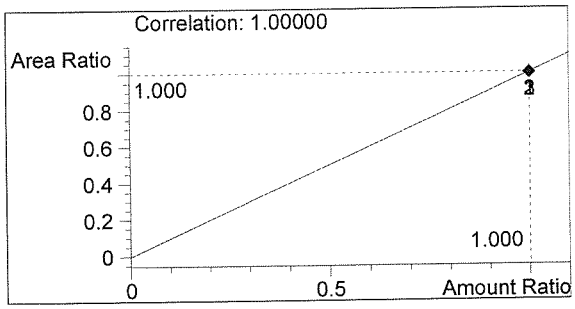
vial # 35



#	Compound	Area	RT
1	ETHANOL	913	1.087
2	n-PROPANOL	2027	1.854
Totals:			



ETHANOL 0.104 g/100mL



n-PROPANOL 1.000 g/100mL

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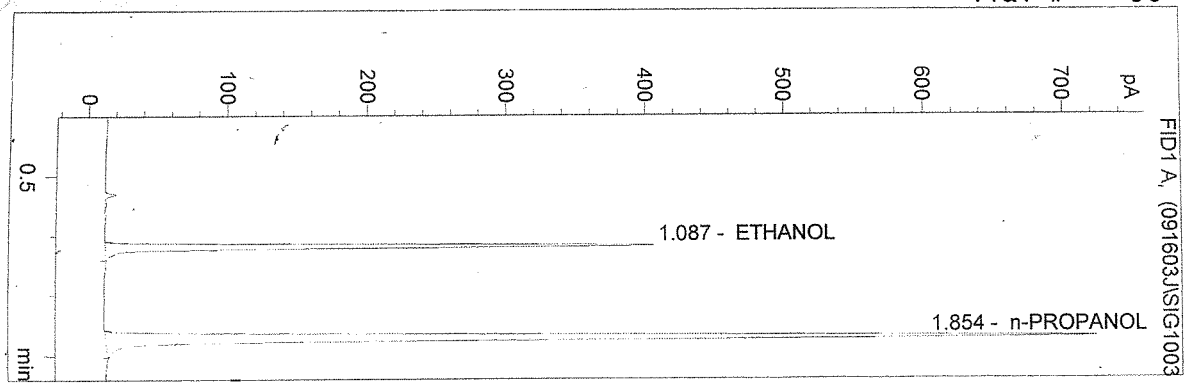
Instrument 3

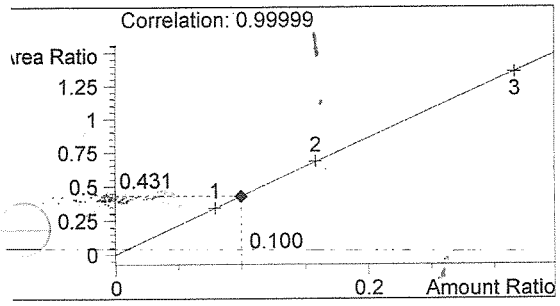
0.10 CONTROL
Jayne E. Thatcher

vial # 36

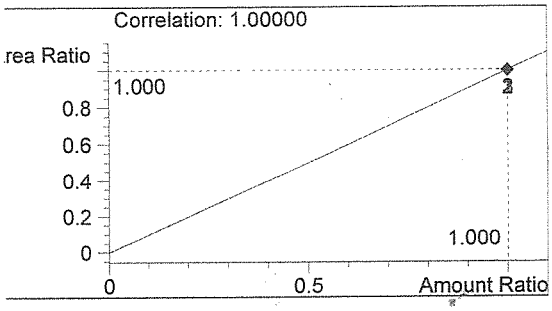


#	Compound	Area	RT
1	ETHANOL	891	1.087
2	n-PROPANOL	2066	1.854

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

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Instrument 3

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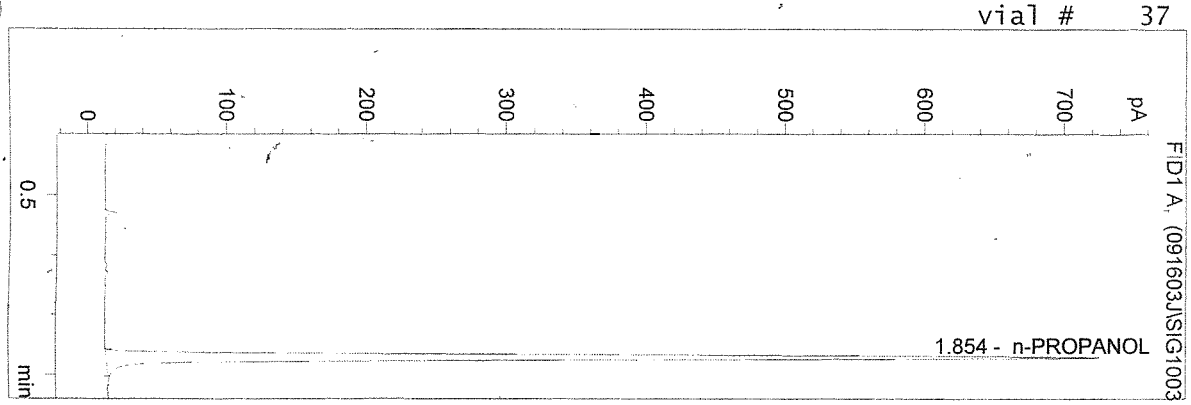
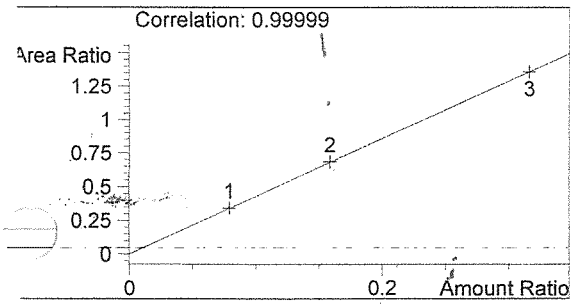
Jayne E. Thatcher

vial # 37

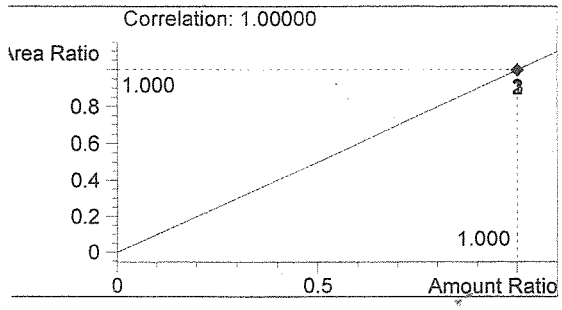


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2056	1.854

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

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Instrument 3

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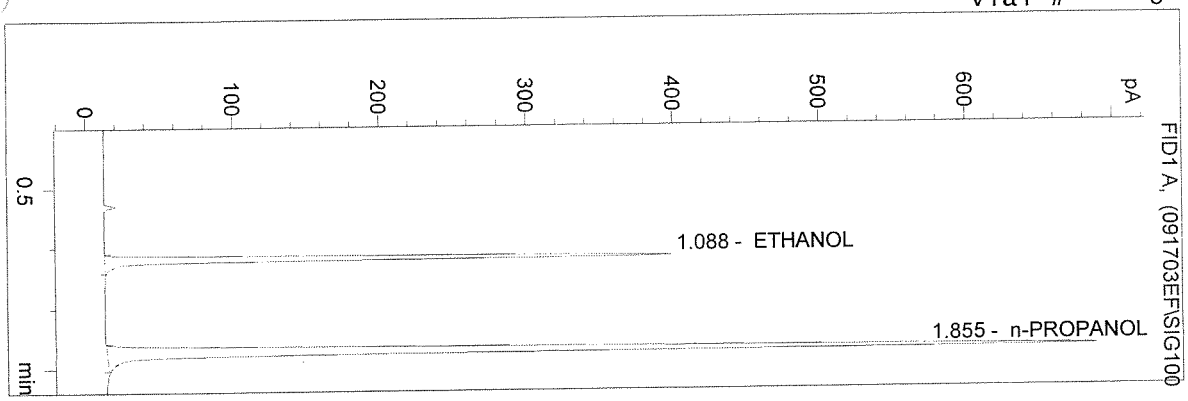
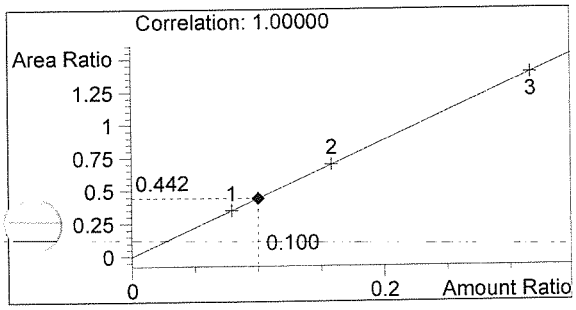
vial # 6

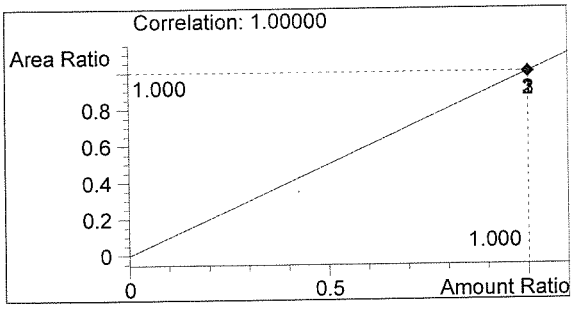


#	Compound	Area	RT
1	ETHANOL	871	1.088
2	n-PROPANOL	1970	1.855

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

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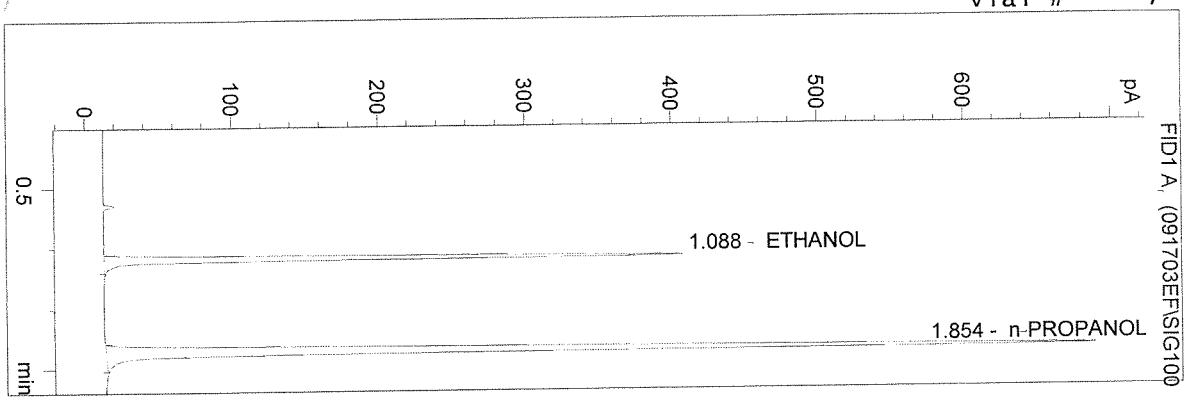
Instrument 3

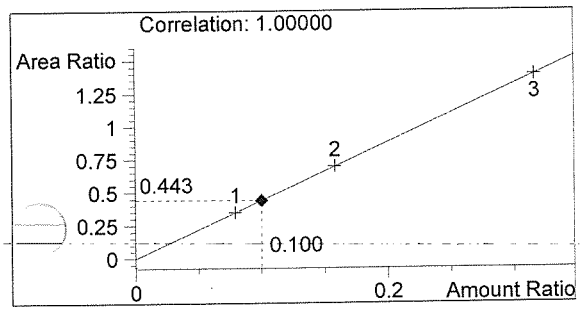
03028
ED FORMOSO

vial # 7

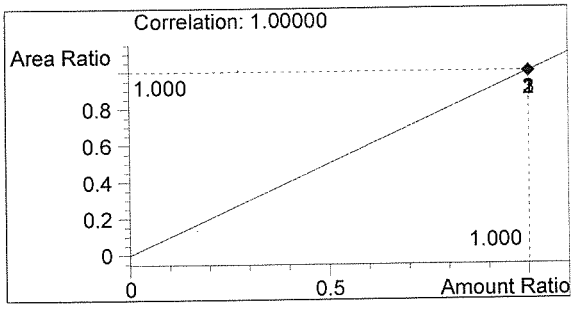


#	Compound	Area	RT
1	ETHANOL	867	1.088
2	n-PROPANOL	1957	1.854

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

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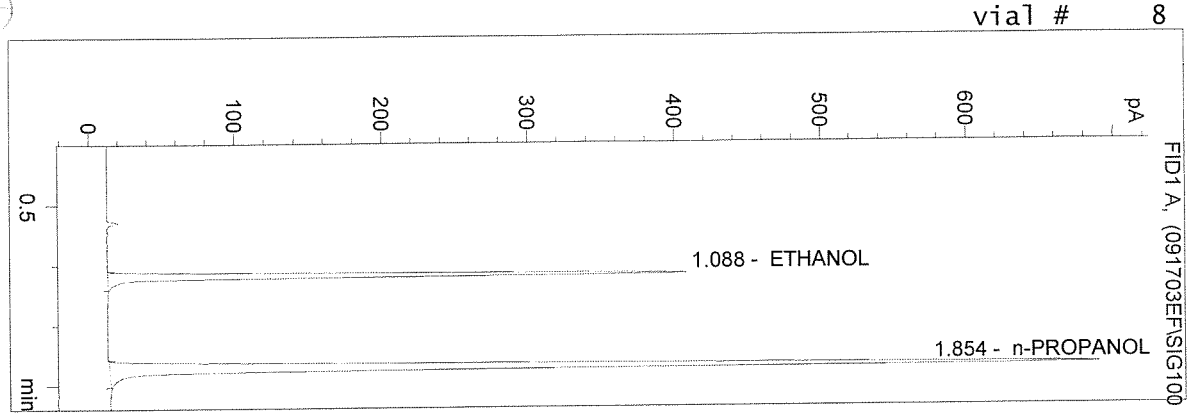
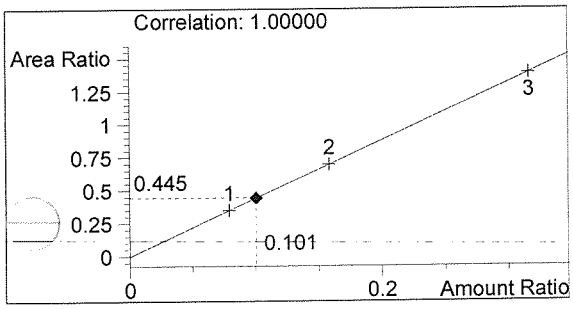
Instrument 3

03028
ED FORMOSO

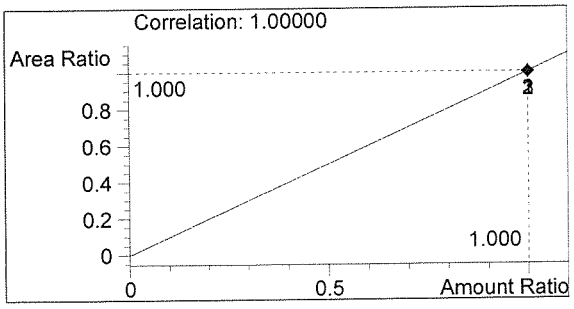
vial # 8



#	Compound	Area	RT
1	ETHANOL	869	1.088
2	n-PROPANOL	1955	1.854
Totals:			



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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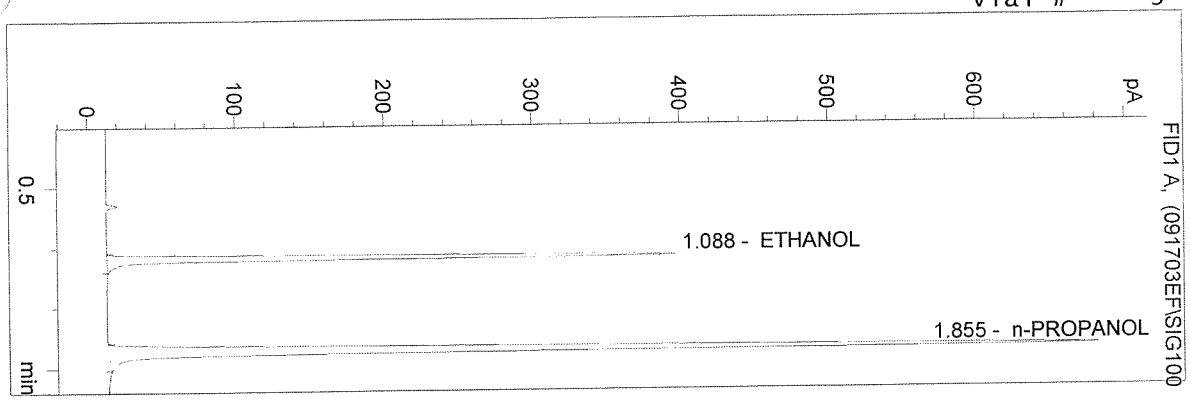
Instrument 3

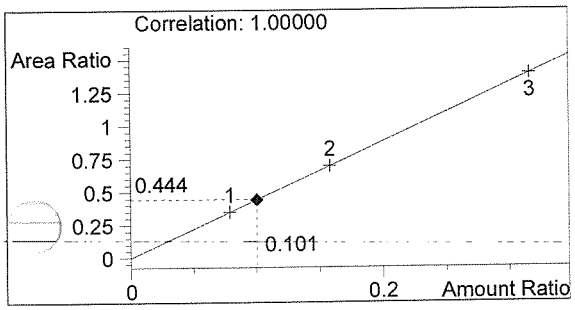
03028
ED FORMOSO

vial # 9

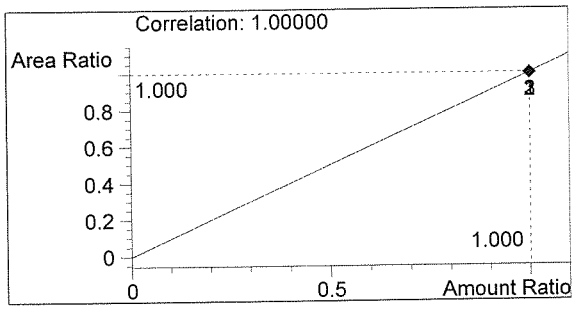


#	Compound	Area	RT
1	ETHANOL	862	1.088
2	n-PROPANOL	1938	1.855

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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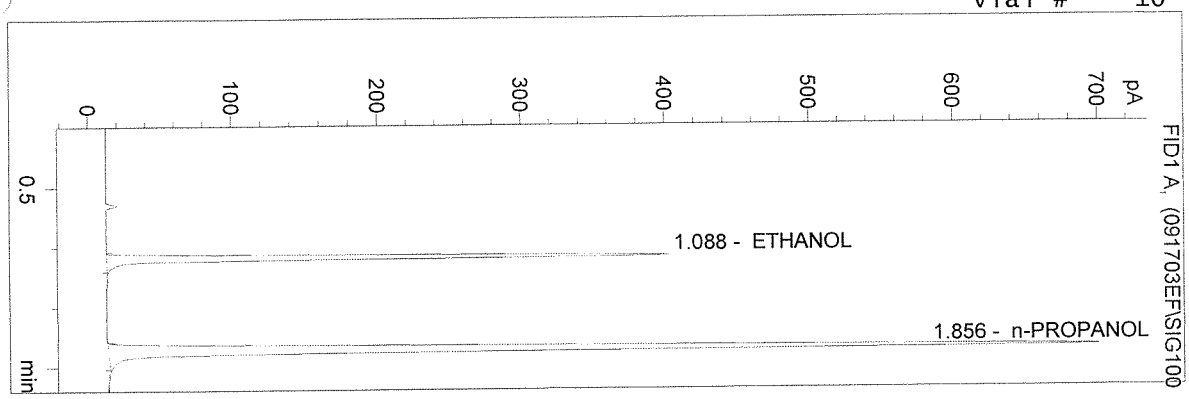
Instrument 3

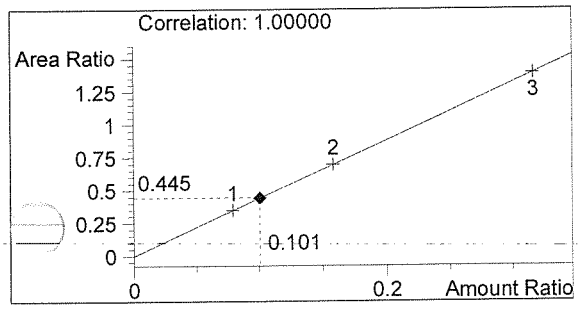
03028
ED FORMOSO

vial # 10

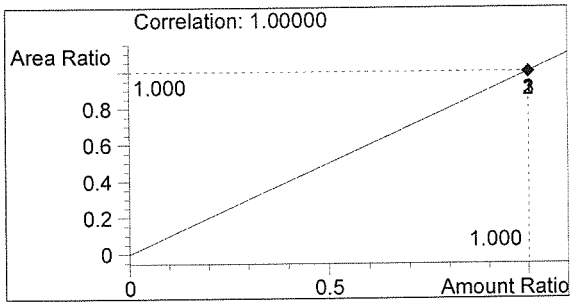


#	Compound	Area	RT
1	ETHANOL	892	1.088
2	n-PROPANOL	2007	1.856

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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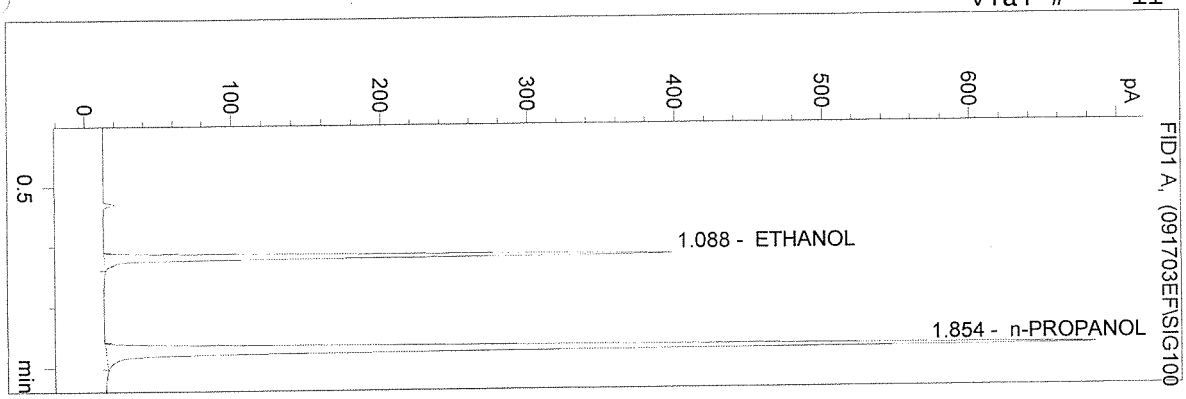
Instrument 3

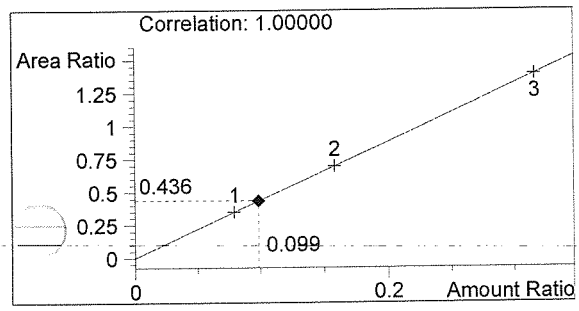
0.10 CONTROL
ED FORMOSO

vial # 11

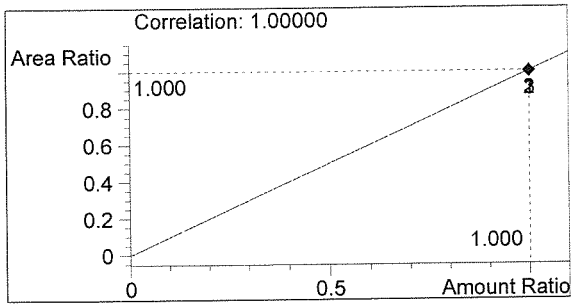


#	Compound	Area	RT
1	ETHANOL	845	1.088
2	n-PROPANOL	1938	1.854

Totals:



ETHANOL 0.099 g/100mL



n-PROPANOL 1.000 g/100mL

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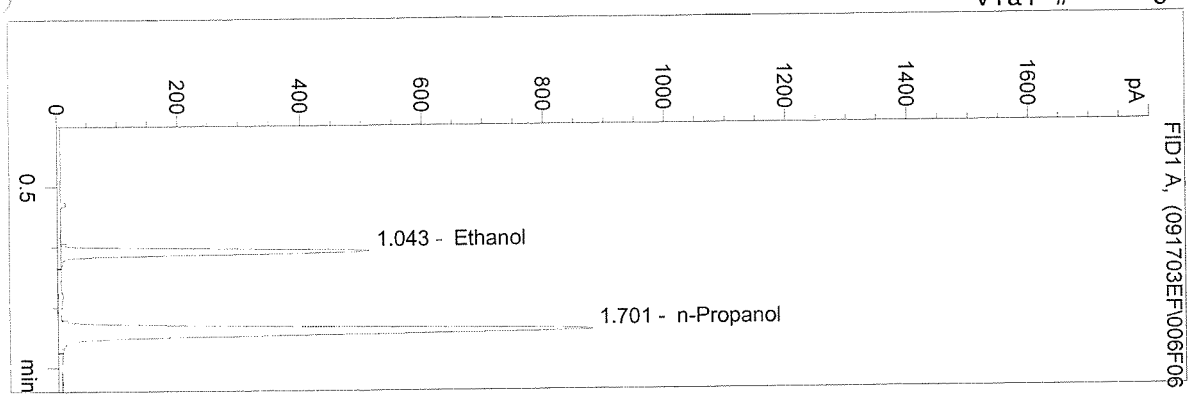
Instrument 1
ALC1

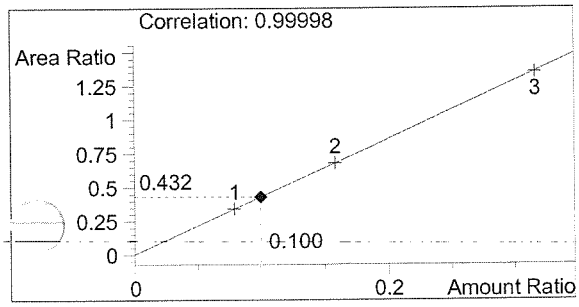
03028 AMG
ED FORMOSO

vial # 6

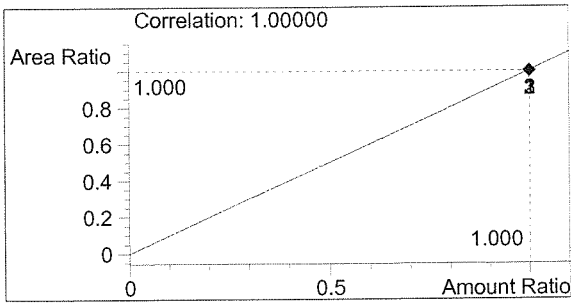


#	Compound	Area	RT
1	Ethanol	1622	1.043
2	n-Propanol	3752	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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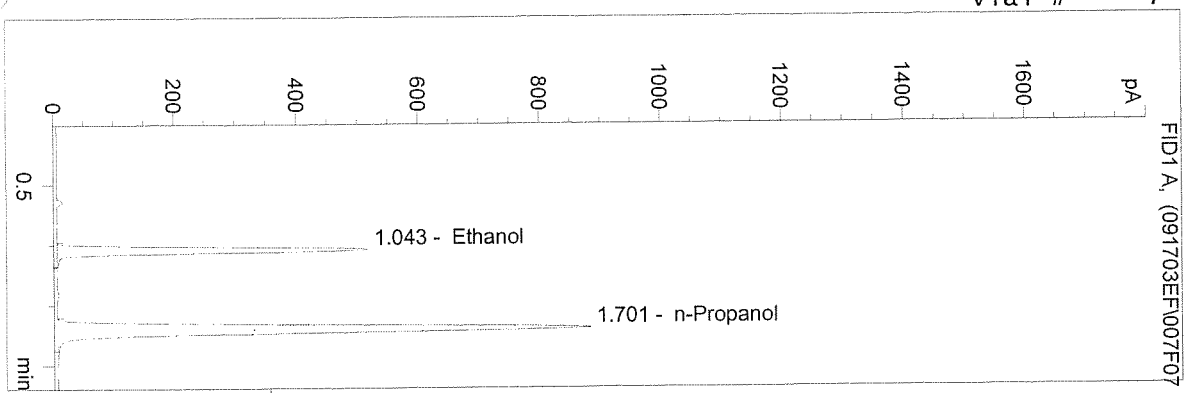
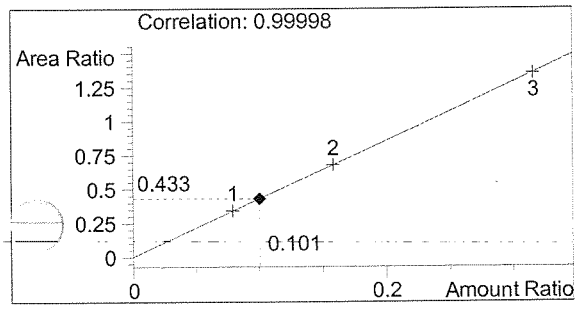
Instrument 1
ALC1

03028 AMG
ED FORMOSO

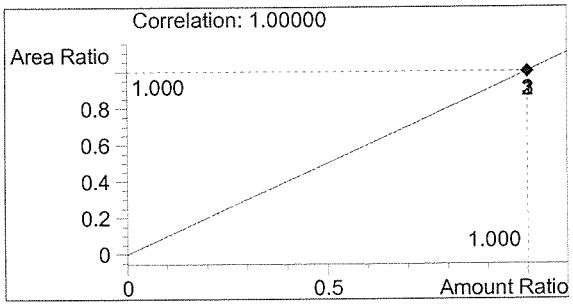
vial # 7



#	Compound	Area	RT
1	Ethanol	1630	1.043
2	n-Propanol	3762	1.701
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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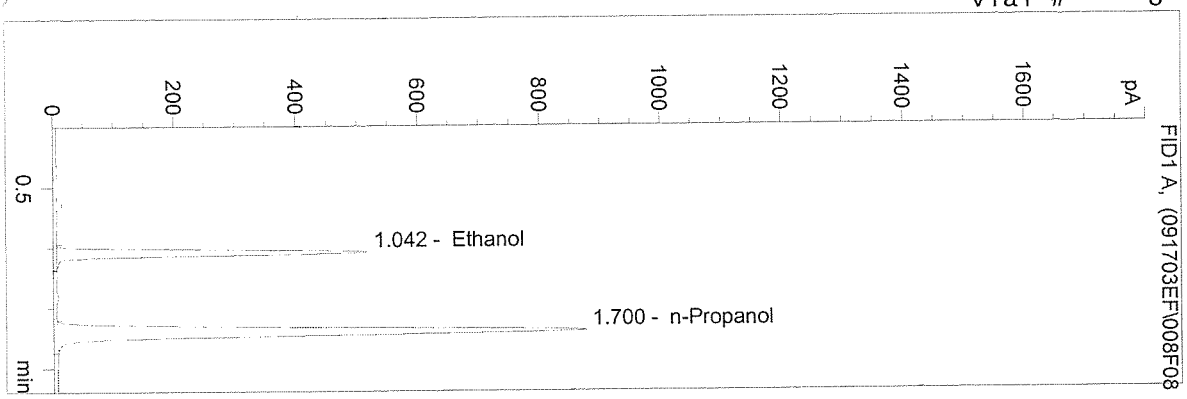
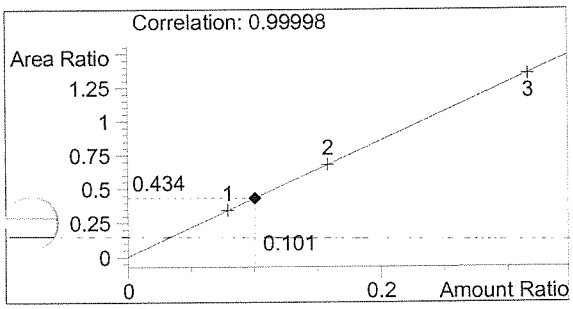
Instrument 1
ALC1

03028 AMG
ED FORMOSO

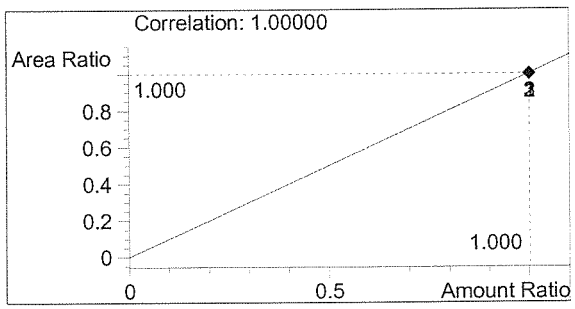
vial # 8



#	Compound	Area	RT
1	Ethanol	1619	1.042
2	n-Propanol	3726	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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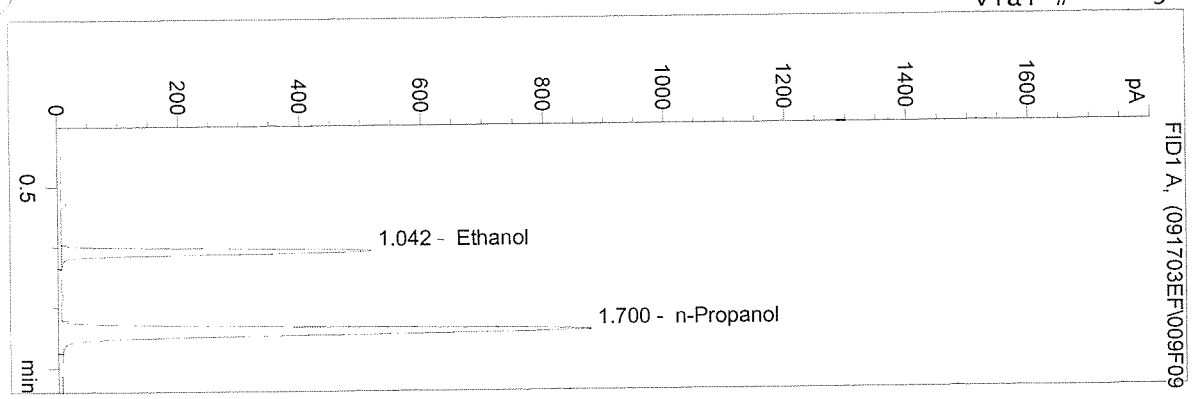
Instrument 1
ALC1

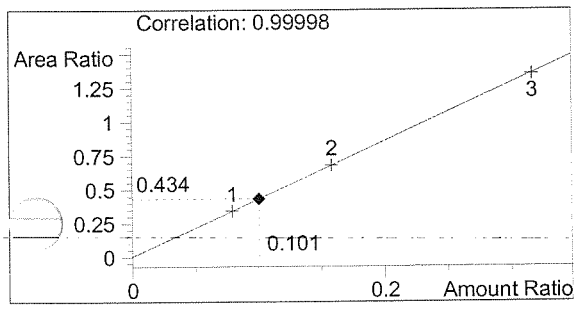
03028 AMG
ED FORMOSO

vial # 9

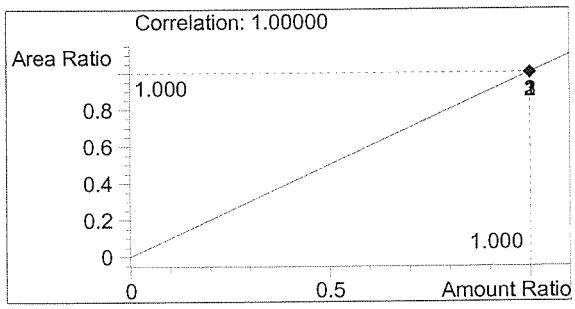


#	Compound	Area	RT
1	Ethanol	1618	1.042
2	n-Propanol	3729	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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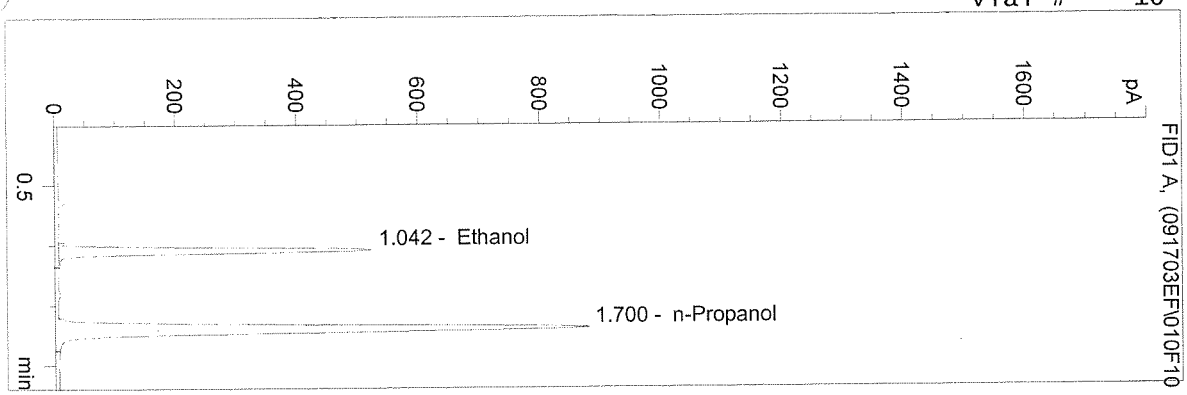
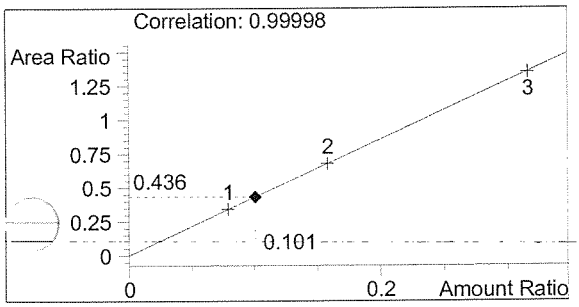
Instrument 1
ALC1

03028 AMG
ED FORMOSO

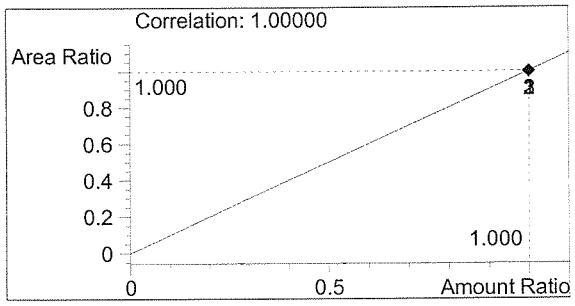
vial # 10



#	Compound	Area	RT
1	Ethanol	1623	1.042
2	n-Propanol	3726	1.700
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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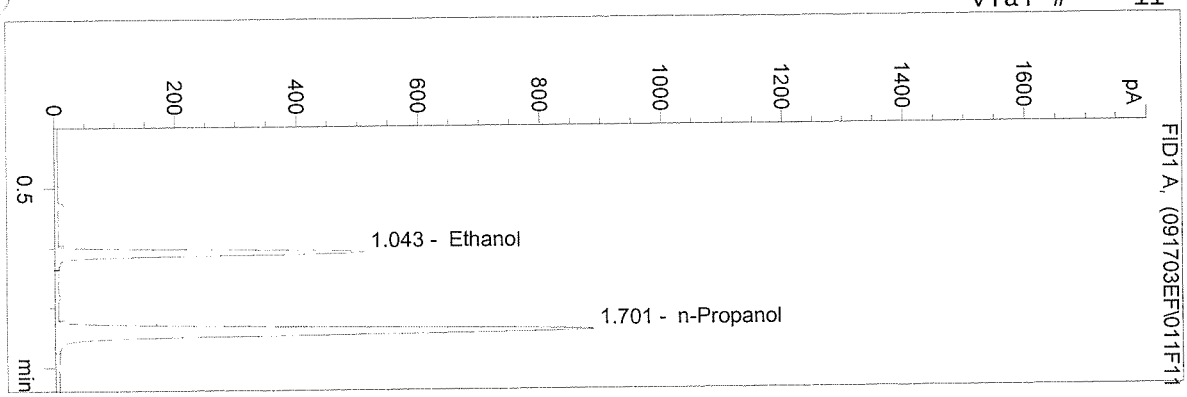
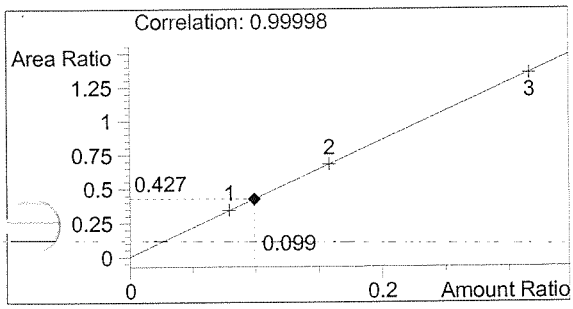
Instrument 1
ALC1

0.10 CONT AMG
ED FORMOSO

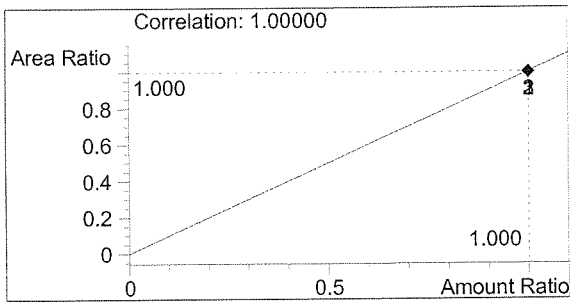
vial # 11



#	Compound	Area	RT
1	Ethanol	1619	1.043
2	n-Propanol	3788	1.701
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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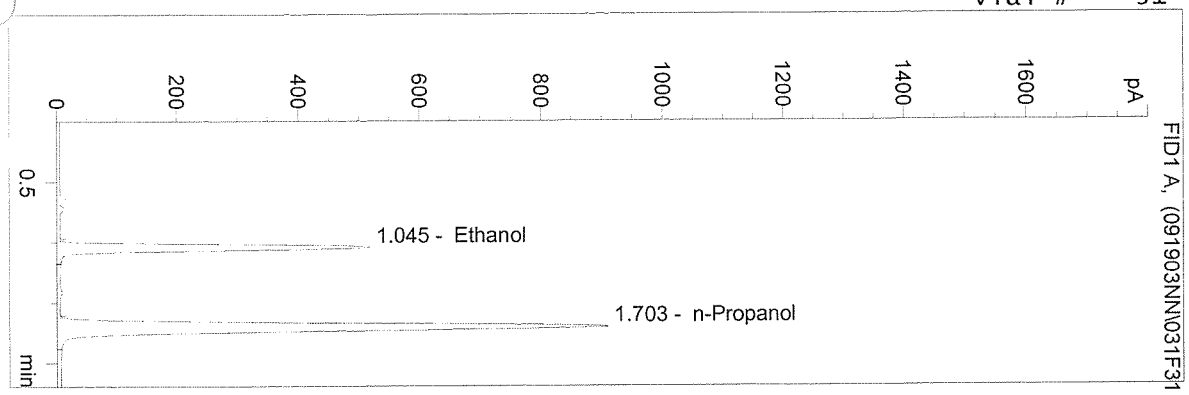
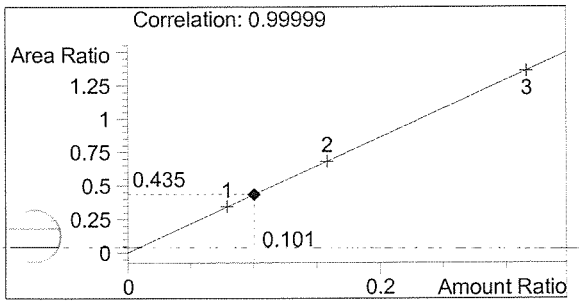
Instrument 1
DB-ALC1

03028 Sim-1
N Nuwayhid, PhD

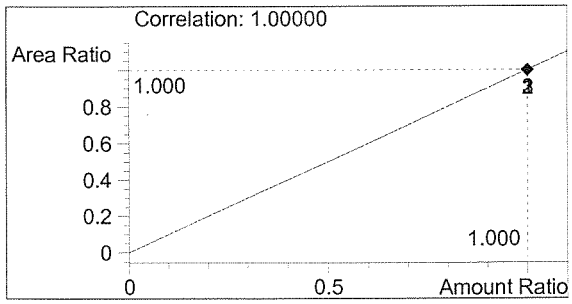
vial # 31



#	Compound	Area	RT
1	Ethanol	1722	1.045
2	n-Propanol	3957	1.703
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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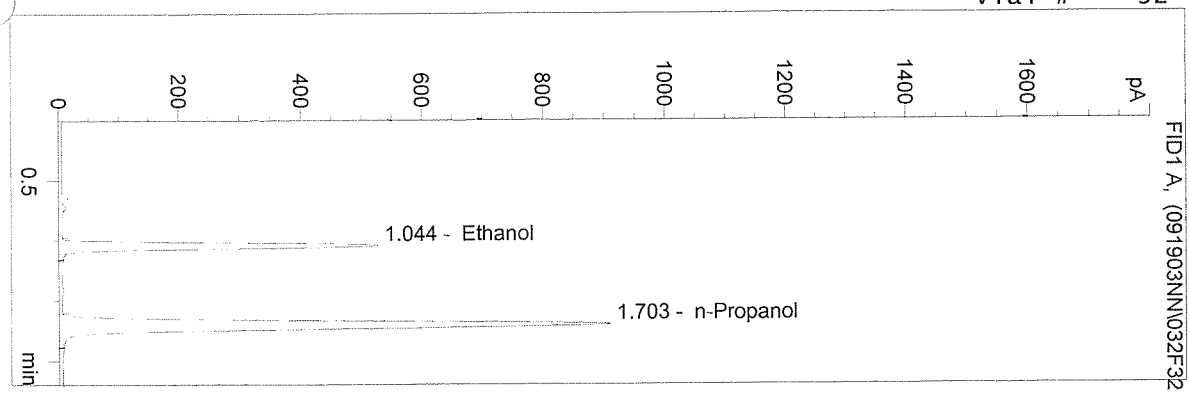
Instrument 1
DB-ALC1

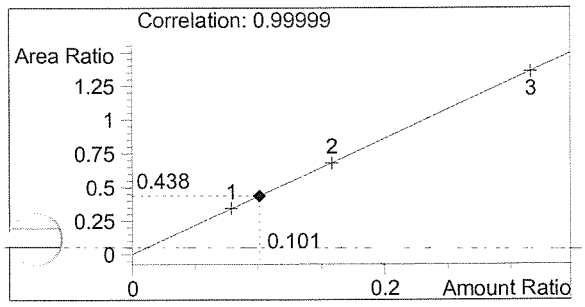
03028 Sim-2
N Nuwayhid, PhD

vial # 32

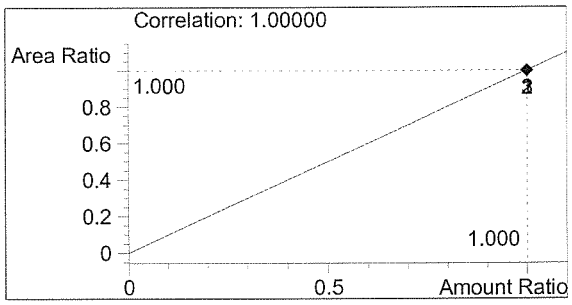


#	Compound	Area	RT
1	Ethanol	1722	1.044
2	n-Propanol	3932	1.703

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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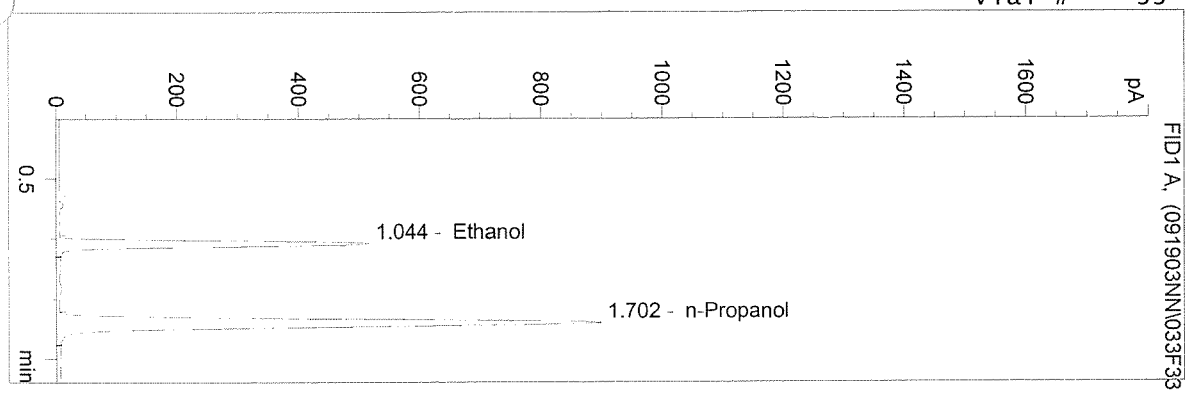
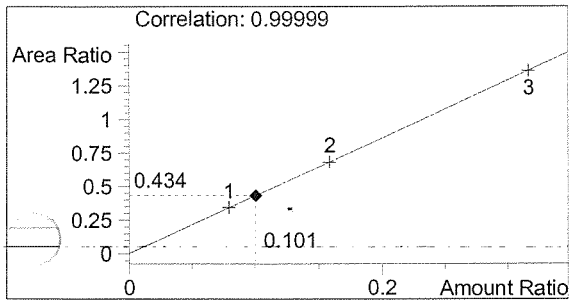
Instrument 1
DR-ALC1

03028 Sim-3
N Nuwayhid, PhD

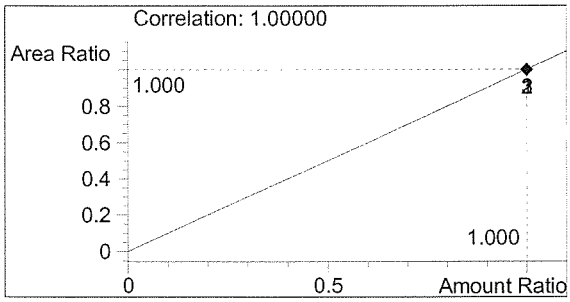
vial # 33



#	Compound	Area	RT
1	Ethanol	1685	1.044
2	n-Propanol	3883	1.702
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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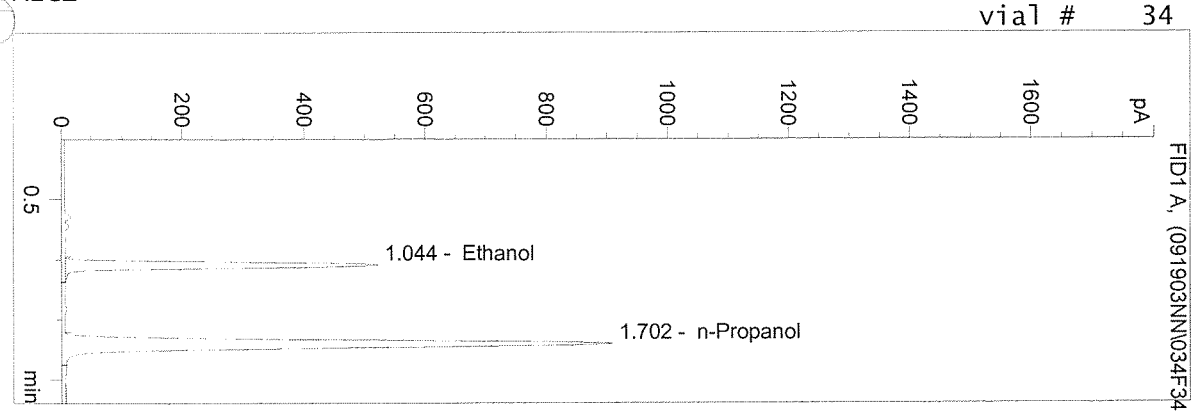
Instrument 1
DB-ALC1

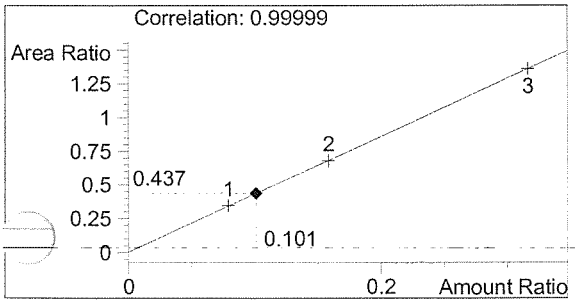
03028 Sim-4
N Nuwayhid, PhD

vial # 34

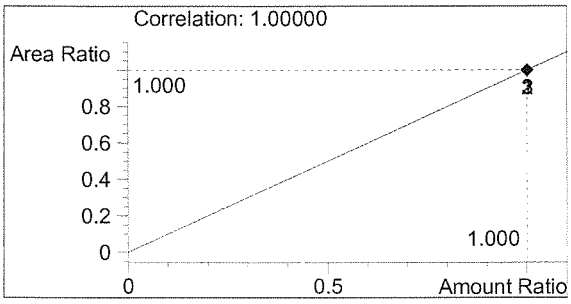


#	Compound	Area	RT
1	Ethanol	1718	1.044
2	n-Propanol	3927	1.702

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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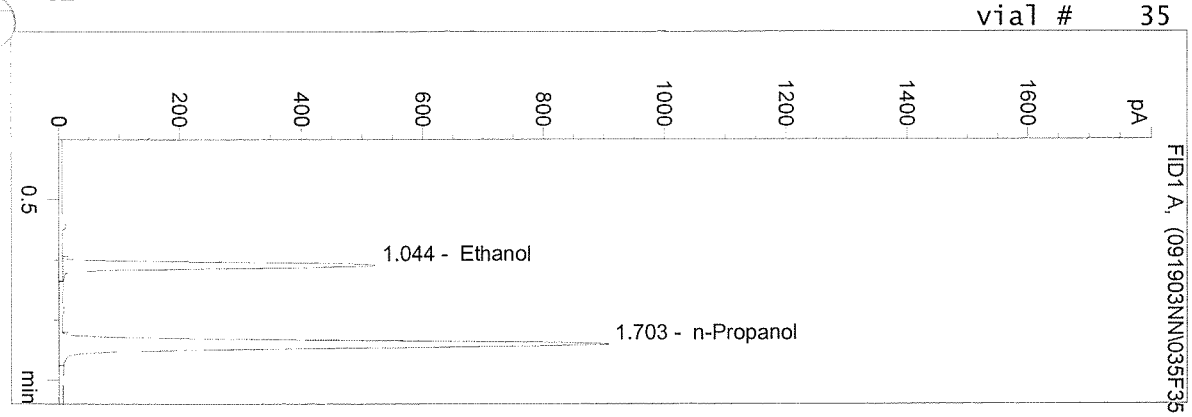
Instrument 1
DB-ALC1

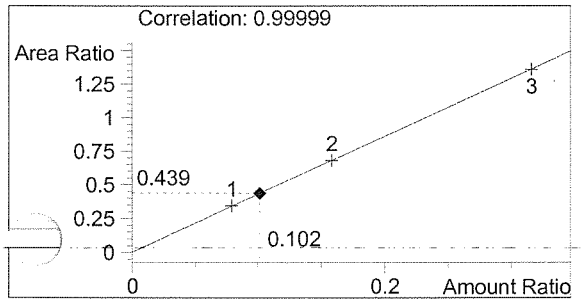
03028 Sim-5
N Nuwayhid, PhD

vial # 35

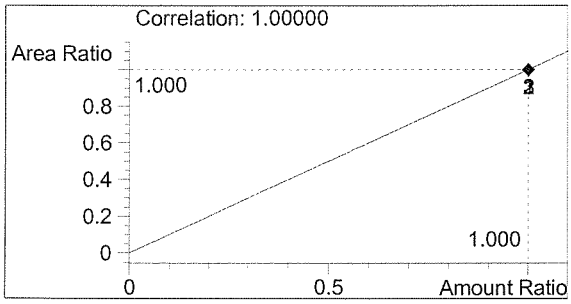


#	Compound	Area	RT
1	Ethanol	1728	1.044
2	n-Propanol	3936	1.703

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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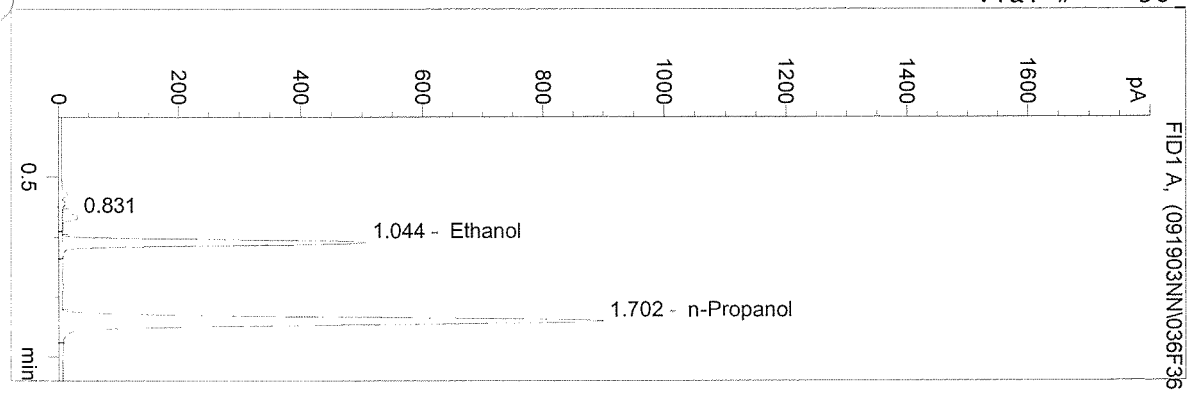
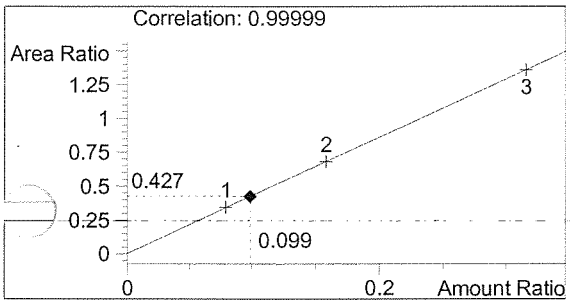
Instrument 1
DB-ALC1

0.100 ctrl
N Nuwayhid, PhD

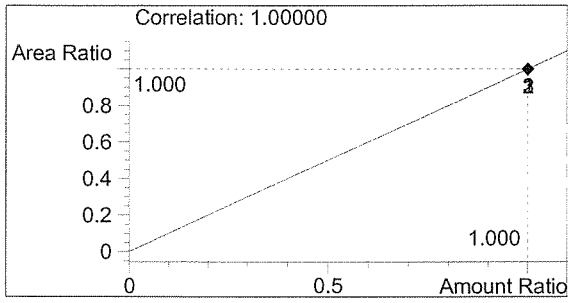
vial # 36



#	Compound	Area	RT
1		94	0.831
2	Ethanol	1660	1.044
3	n-Propanol	3891	1.702
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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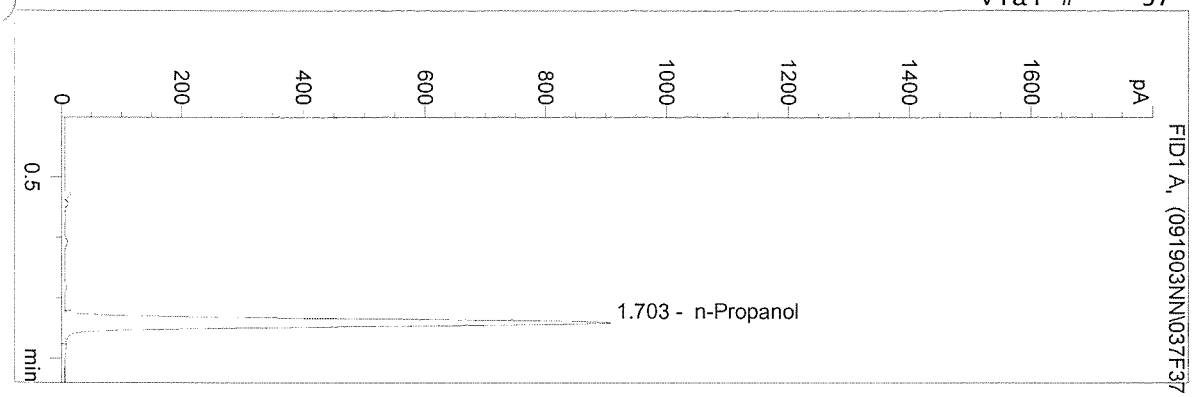
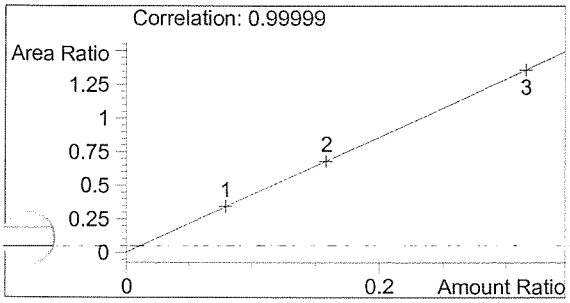
9/19/03 1:37:50 PM
Instrument 1
DB-ALC1

Blank
N Nuwayhid, PhD

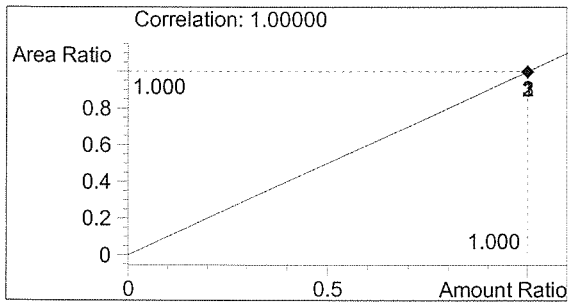
vial # 37



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3933	1.703
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml