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

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

Batch number **02011** Date: 5/14/2002

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

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

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12
1	0.101	0.104	0.100	0.100	0.100	0.101	0.100	0.101				
2	0.101	0.102	0.100	0.099	0.101	0.100	0.101	0.100				
3	0.101	0.103	0.101	0.104	0.101	0.100	0.100	0.101				
4	0.102	0.102	0.100	0.101	0.101	0.101	0.100	0.101				
5	0.101	0.102	0.101	0.100	0.101	0.100	0.101	0.101				
Ctrl	0.100	0.100	0.098	0.099	0.100	0.099	0.100	0.099				

External Control:

Lot #: A021986 Exp date: Jan 2005

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1009 g/100 mL

SD: 0.00106

Range (3xSD): 0.0977 to 0.1041

Precision CV (%): 1.0512 %

Equivalent vapor concent.: 0.0821 g/210L

Analyst	Name	Signature	Date
1	Edward Formoso		05/15/02
2	Ruth Luthi		05/14/02
3	Jayne Thatcher		05/20/02
4	Melissa Pemberton		05/16/02
5	Naziha Nuwayhid, PhD		05/17/02
6	Estuardo J. Miranda		05/20/02
7	Eugene Schwilke		05/16/02
8	Egle Weiss		05/22/02
9			
10			
11			
12			

Prepared by: Edward Formoso according to the approved protocol

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Edward J. Formoso, do certify under penalty of perjury that:

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

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

The simulator solution, Lot Number 02011, was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/nf
EFSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Ruth Luthi, do certify under penalty of perjury that:

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

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

The simulator solution, Lot Number 02011, was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

Ruth Luthi
Forensic Toxicologist

RL/nf
RLSIMSOL

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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 02011, was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

Jayne E. Thatcher
Forensic Toxicologist

JET/nf
JTSIMSOL

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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 02011, was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

Melissa L. Pemberton
Melissa L. Pemberton
Forensic Toxicologist

MP/nf
MPSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Naziha Nuwayhid, do certify under penalty of perjury that:

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

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

The simulator solution, Lot Number 02011, was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/nf
NNSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Estuardo J. Miranda, do certify under penalty of perjury that:

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

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

The simulator Solution, Lot Number 02011 was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/nf
EMSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Eugene W. Schwilke, do certify under penalty of perjury that:

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

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

The Simulator Solution, Lot Number 02011, was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

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

GS/nf
GSSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Egle Weiss, do certify under penalty of perjury that:

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

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

The simulator solution, Lot Number 02011, was prepared in the Washington State Toxicology Laboratory on 5/14/02. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 5/14/03.

Dated: 5/24/02
Seattle, WA

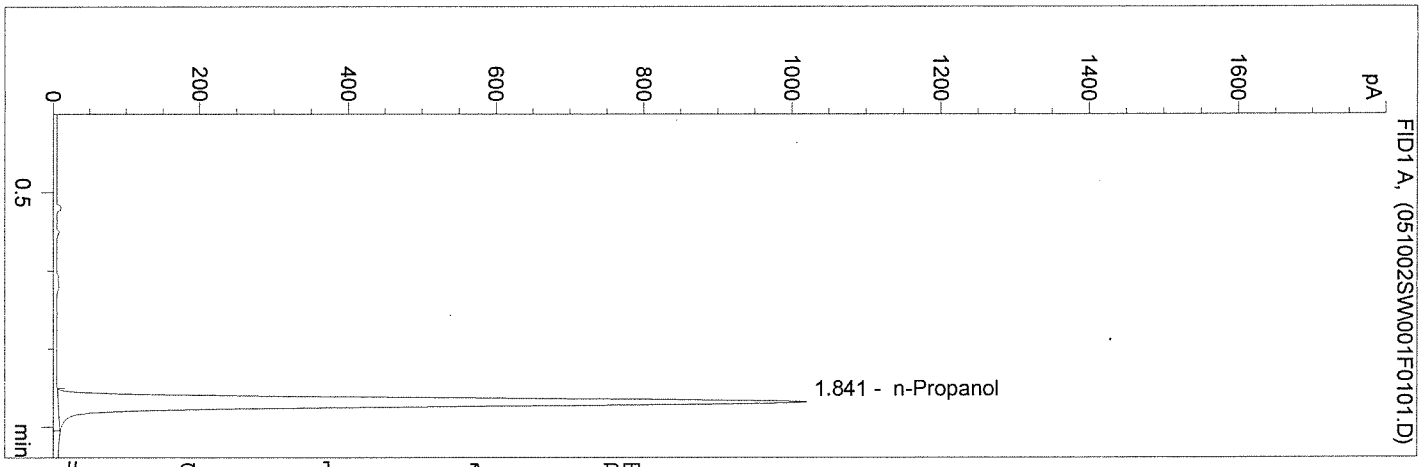
Egle Weiss
Forensic Toxicologist

EW/nf
EWSIMSOL

C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:24:53 AM
Instrument 2
-ALC1

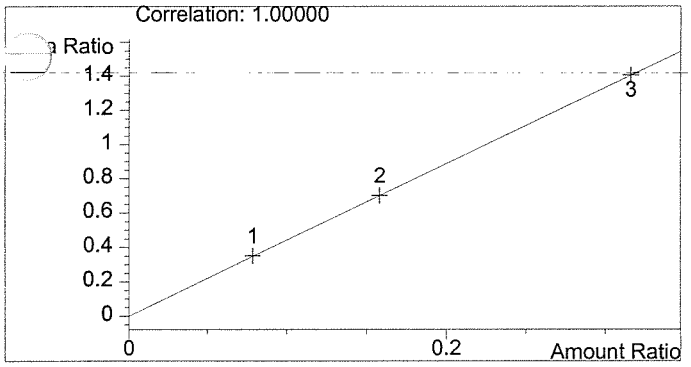
BLK
EGLE WEISS

vial # 1

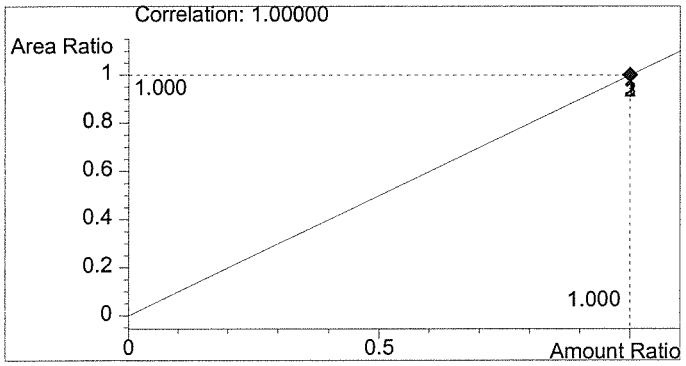


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3883	1.841

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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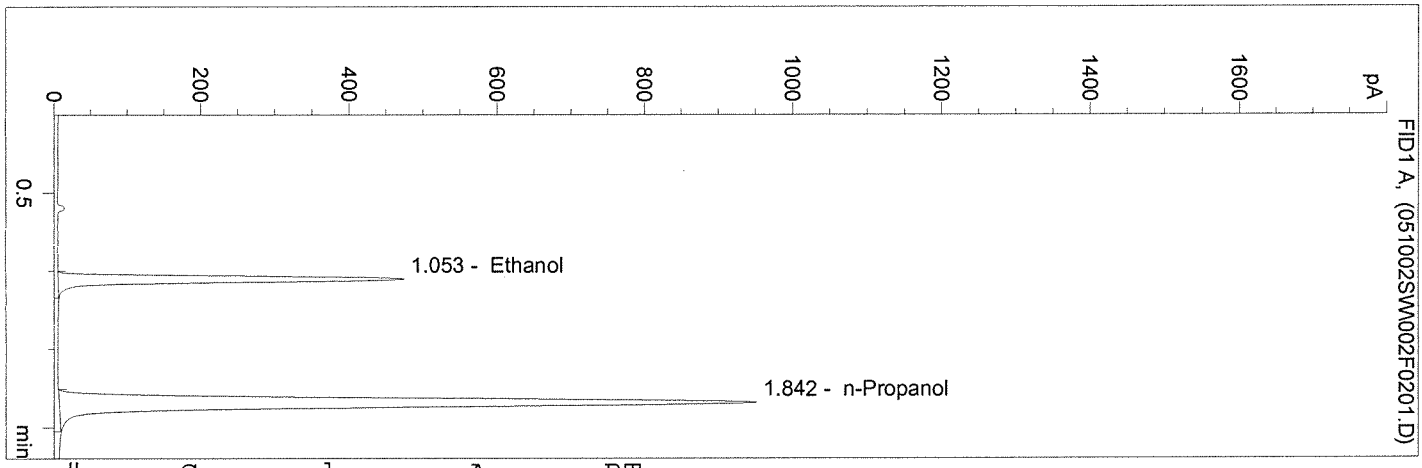
C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:27:55 AM
Instrument 2
-ALC1

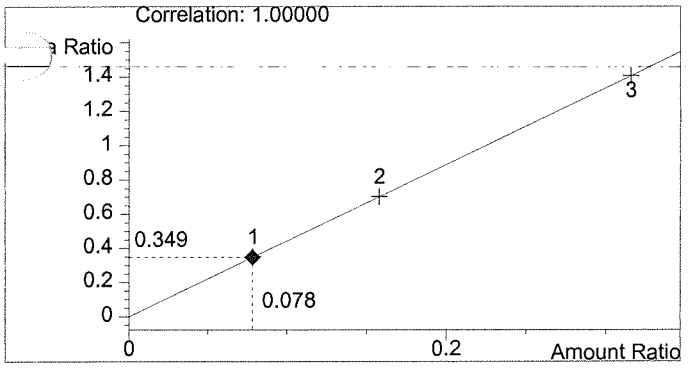
0.079
EGLE WEISS

vial # 2

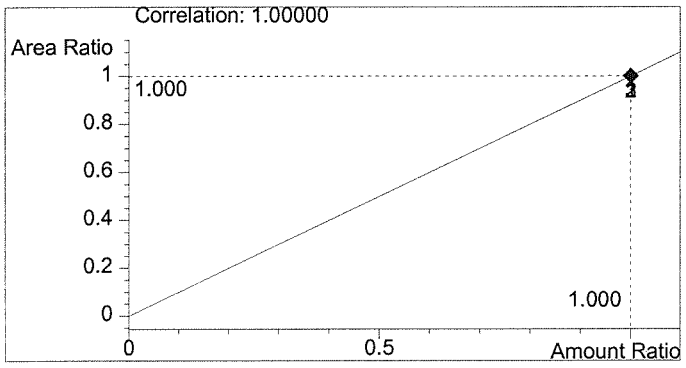


#	Compound	Area	RT
1	Ethanol	1268	1.053
2	n-Propanol	3633	1.842

Totals:



Ethanol 0.078 g/100ml

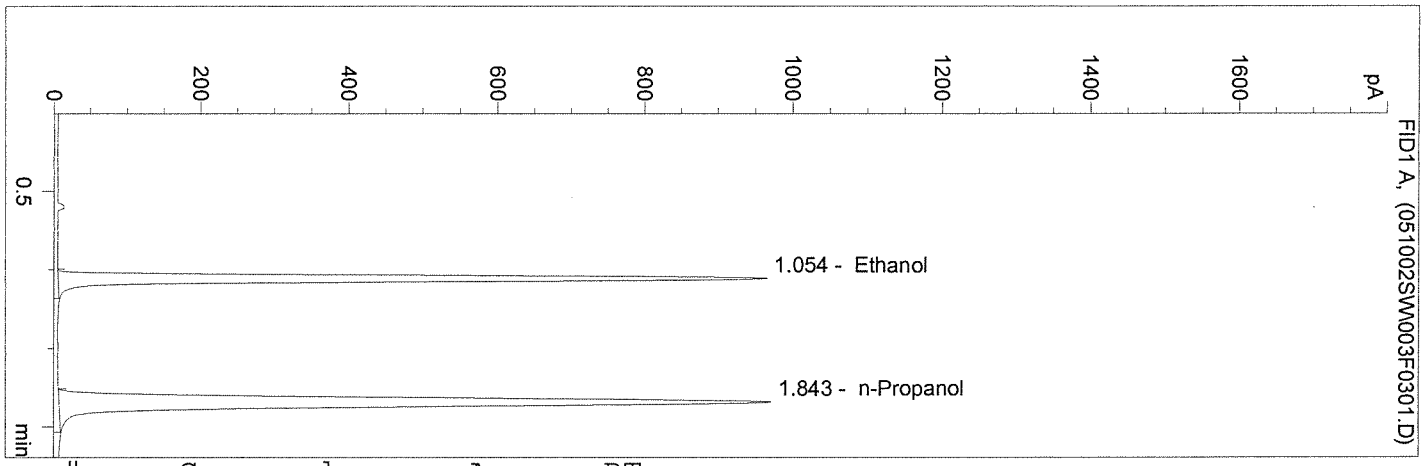


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:30:56 AM
Instrument 2
-ALC1

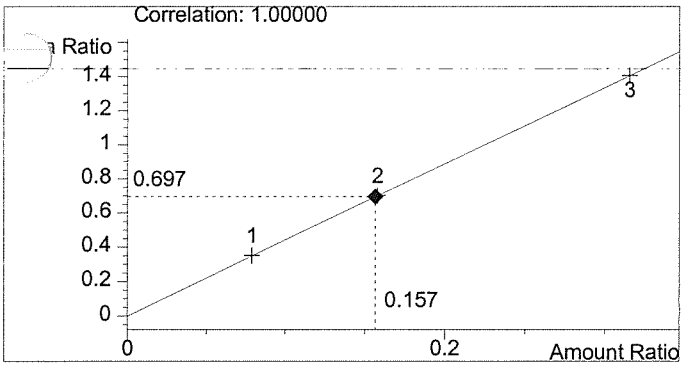
0.158
EGLE WEISS

vial # 3

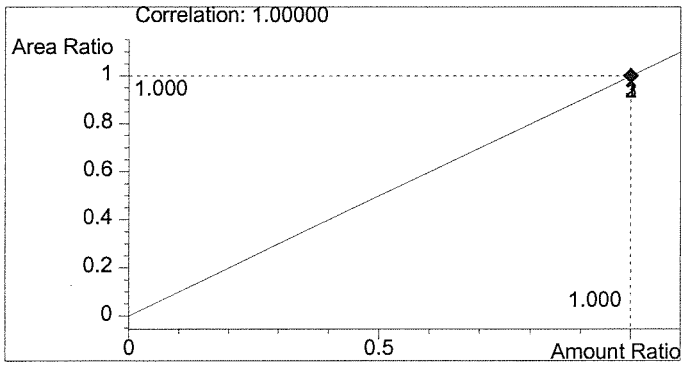


#	Compound	Area	RT
1	Ethanol	2582	1.054
2	n-Propanol	3707	1.843

Totals:



Ethanol 0.157 g/100ml



n-Propanol 1.000 g/100ml

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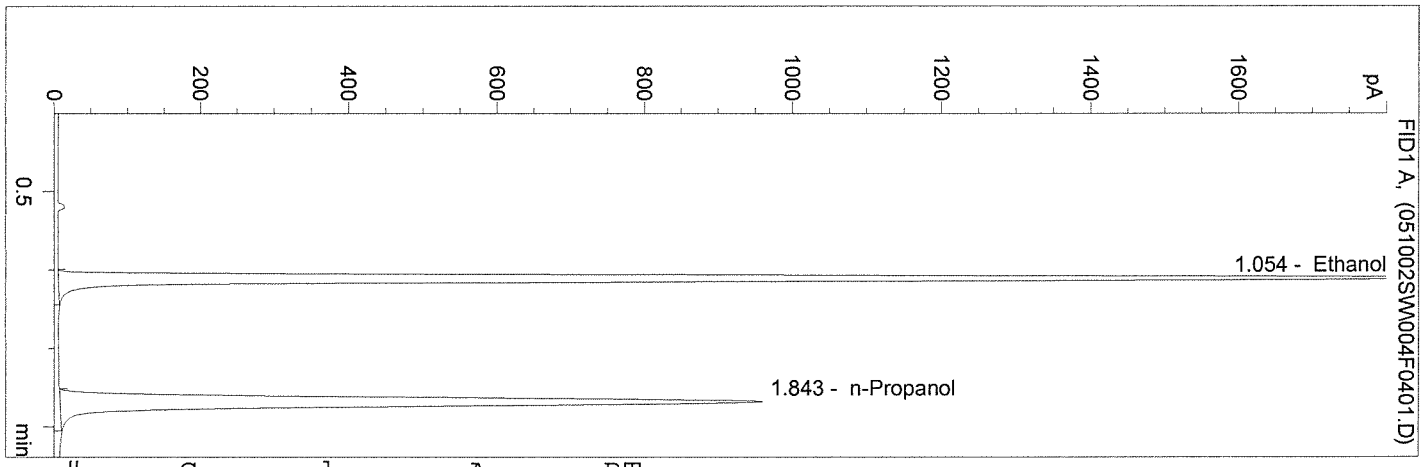
5/22/02 11:33:59 AM
Instrument 2
-ALC1

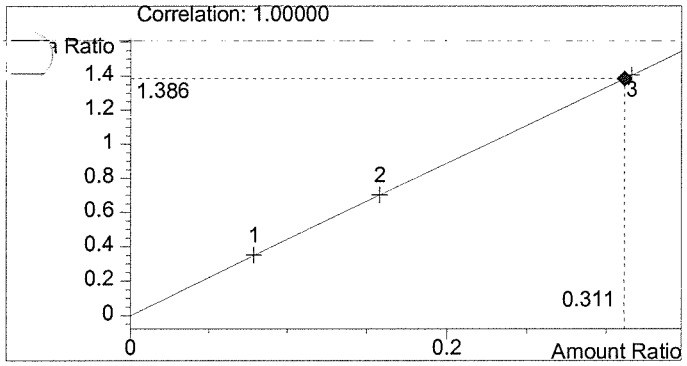
0.316
EGLE WEISS

vial # 4

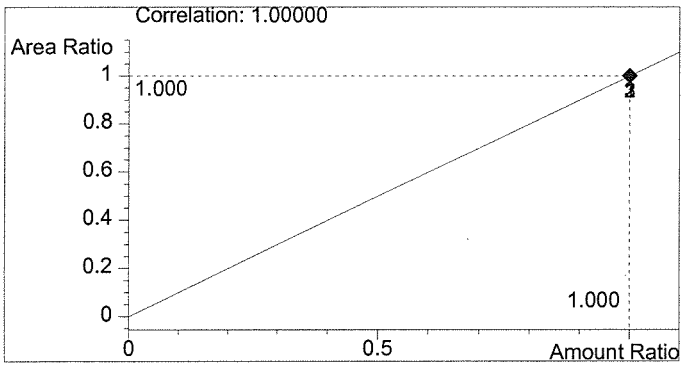


#	Compound	Area	RT
1	Ethanol	5082	1.054
2	n-Propanol	3666	1.843

Totals:



Ethanol 0.311 g/100ml



n-Propanol 1.000 g/100ml

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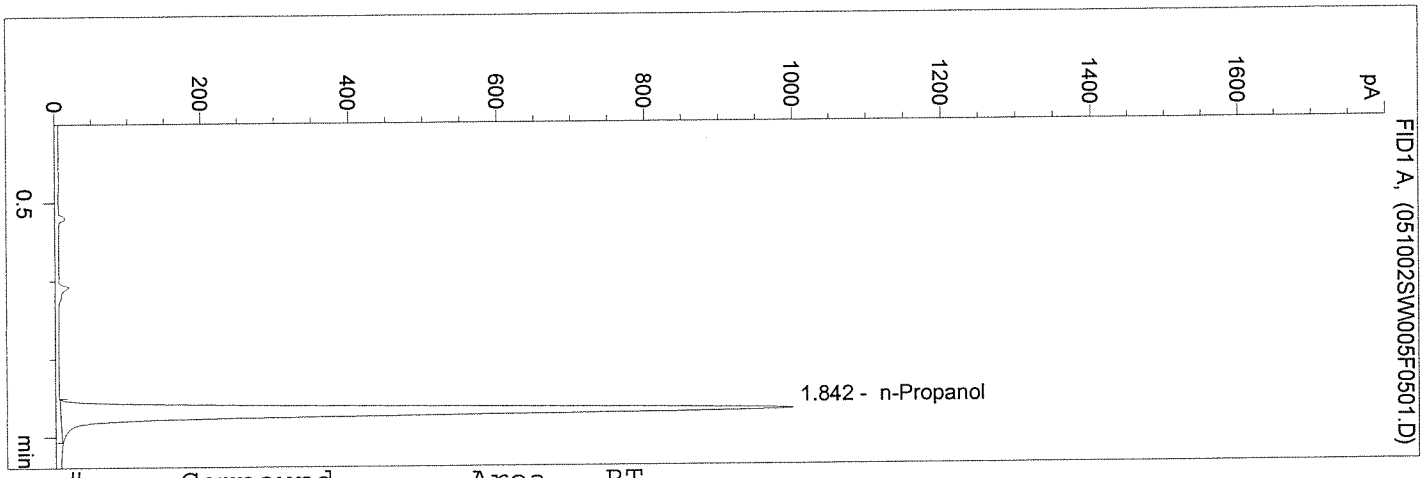
5/22/02 11:37:23 AM
Instrument 2
-ALC1

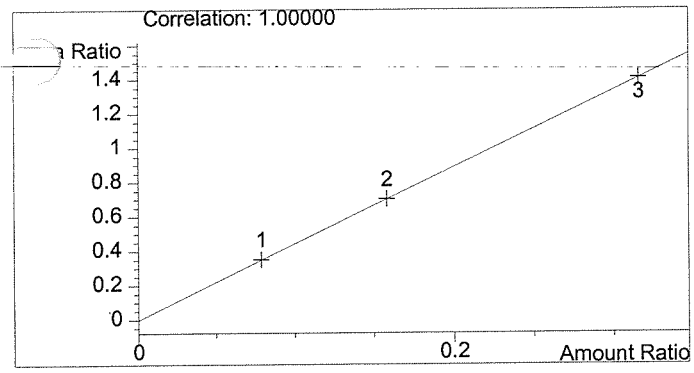
Blk EW
~~0.100 CONTROL~~
EGLE WEISS

vial # 5

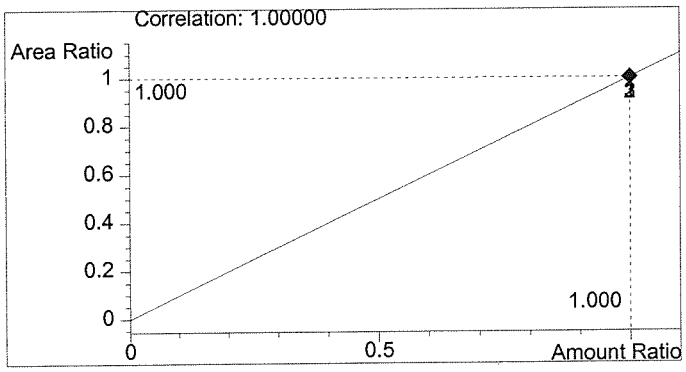


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3825	1.842

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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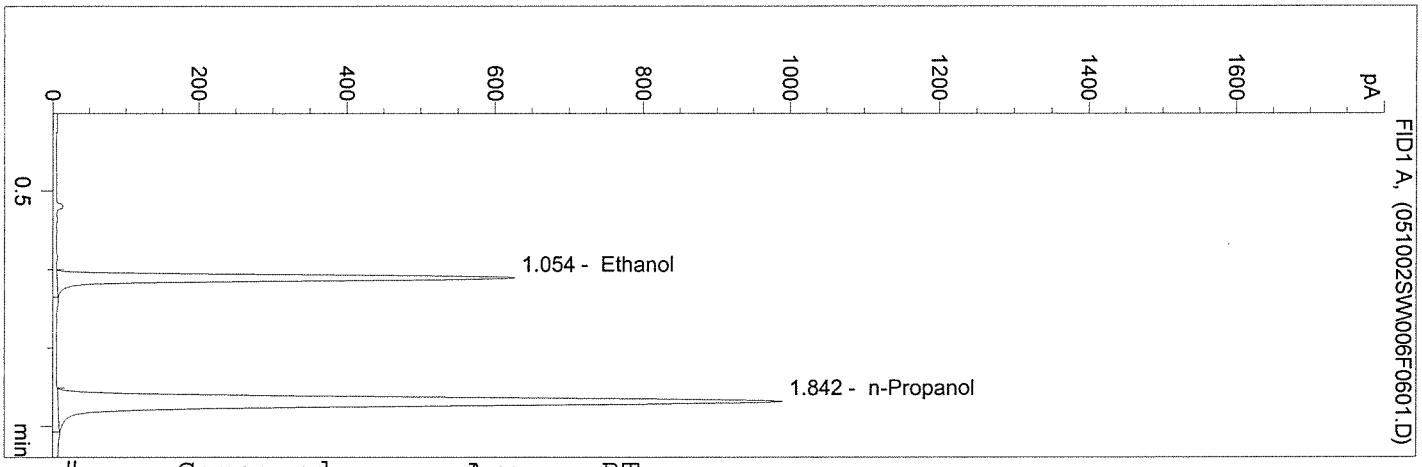
C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:40:25 AM
Instrument 2
-ALC1

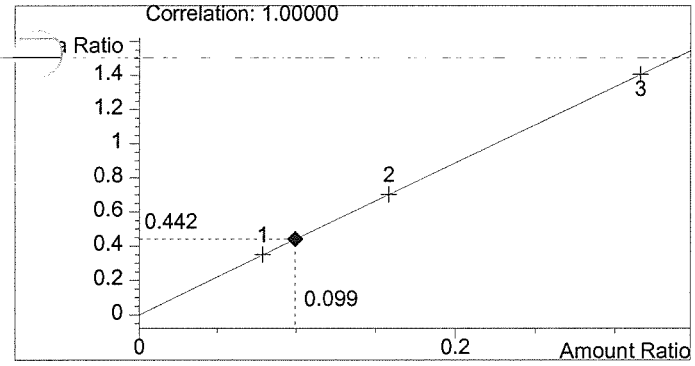
0.100 EW
~~BLK~~
EGLE WEISS

vial # 6

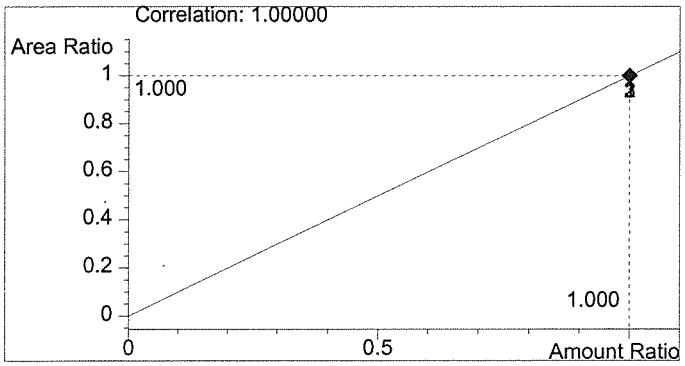


#	Compound	Area	RT
1	Ethanol	1672	1.054
2	n-Propanol	3786	1.842

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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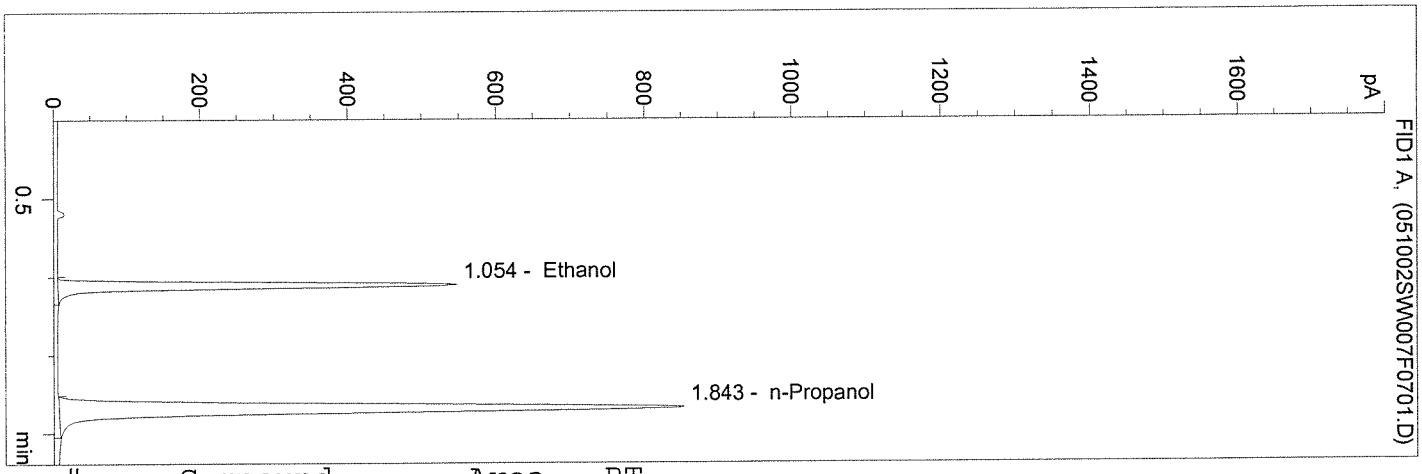
C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:43:27 AM
Instrument 2
-ALC1

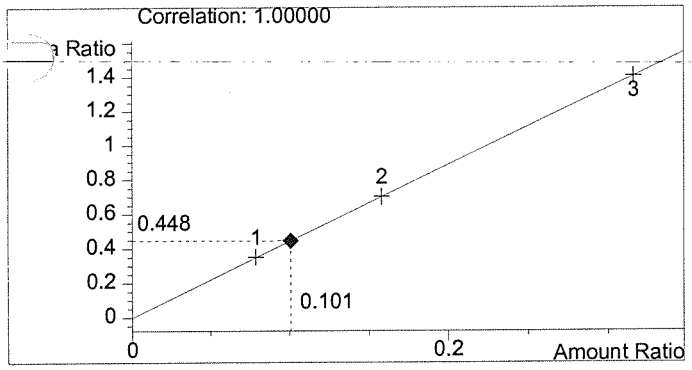
SIMSOL 02011
EGLE WEISS

vial # 7

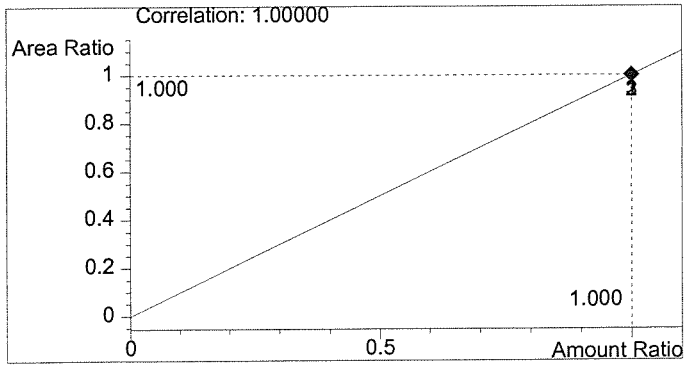


#	Compound	Area	RT
1	Ethanol	1456	1.054
2	n-Propanol	3251	1.843

Totals:



Ethanol 0.101 g/100ml

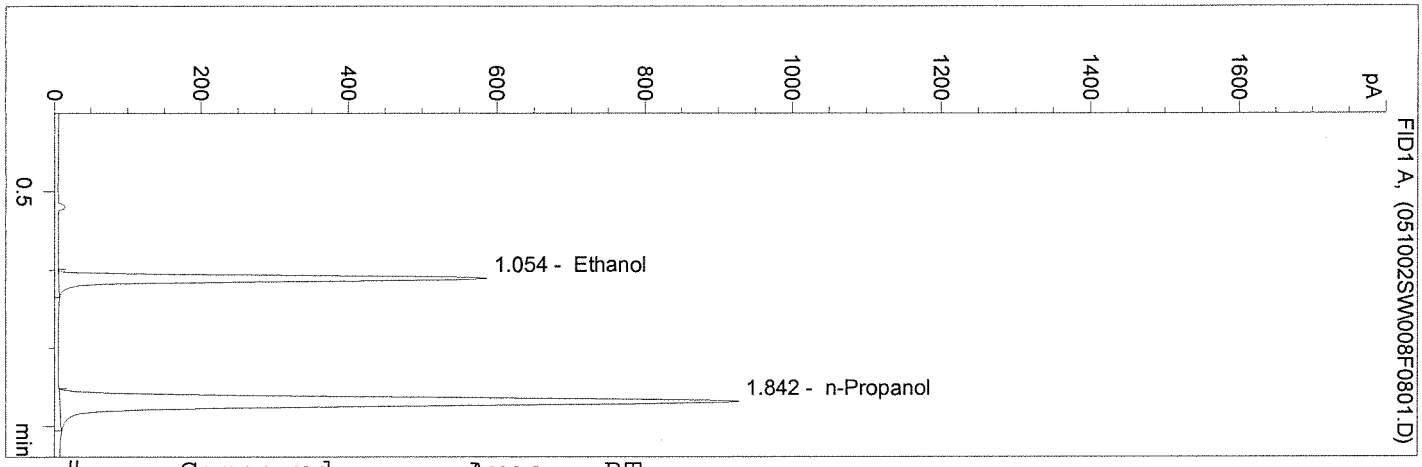


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:46:28 AM
Instrument 2
-ALC1

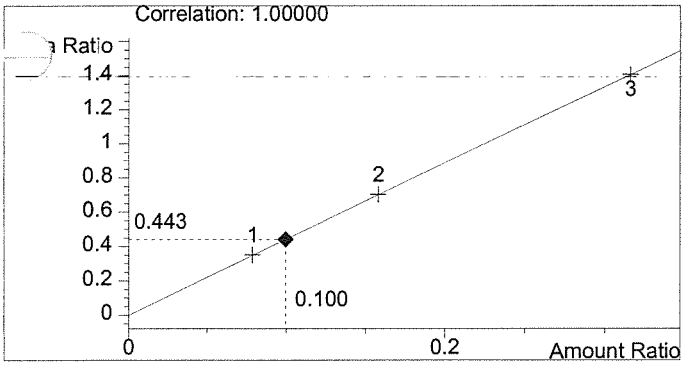
SIMSOL 02011
EGLE WEISS

vial # 8

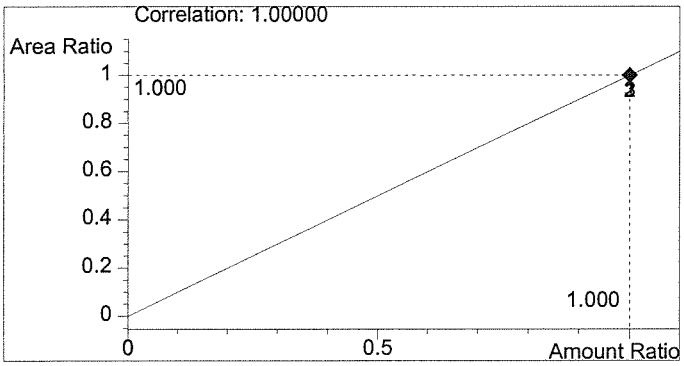


#	Compound	Area	RT
1	Ethanol	1568	1.054
2	n-Propanol	3539	1.842

Totals:



Ethanol 0.100 g/100ml



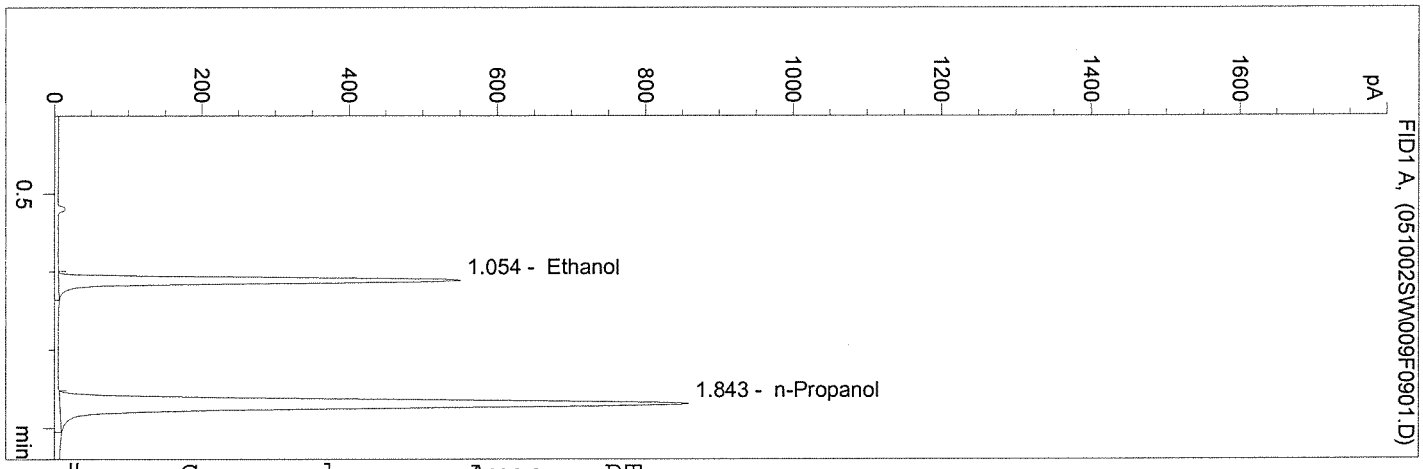
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:49:48 AM
Instrument 2
-ALC1

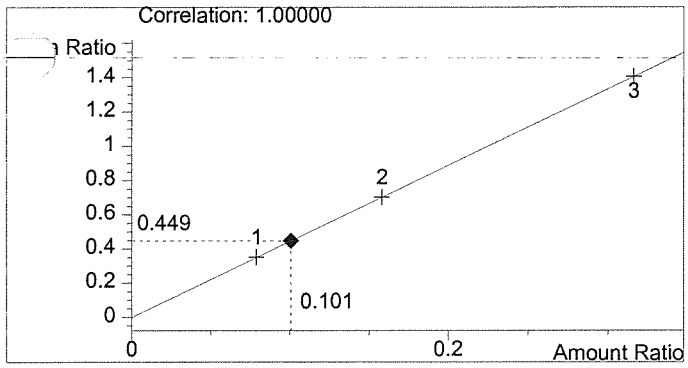
SIMSOL 02011
EGLE WEISS

vial # 9

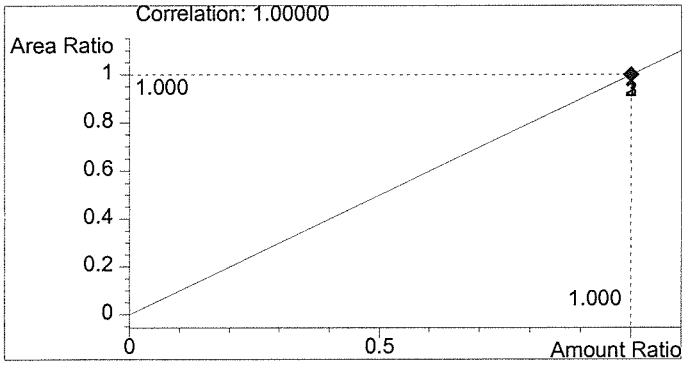


#	Compound	Area	RT
1	Ethanol	1469	1.054
2	n-Propanol	3276	1.843

Totals:



Ethanol 0.101 g/100ml



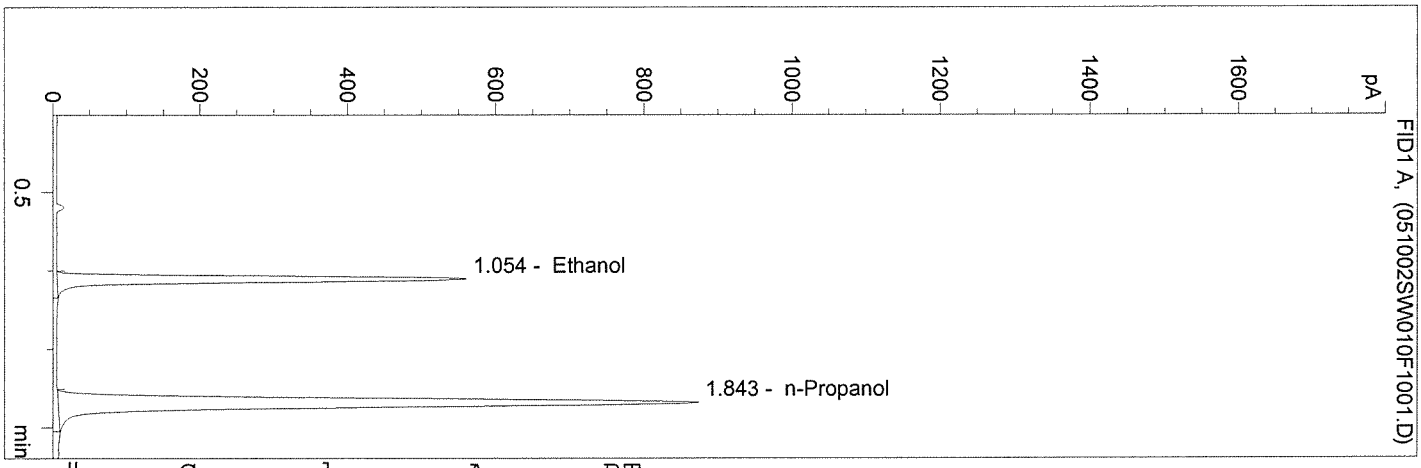
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
5/22/02 11:52:49 AM
Instrument 2
-ALC1

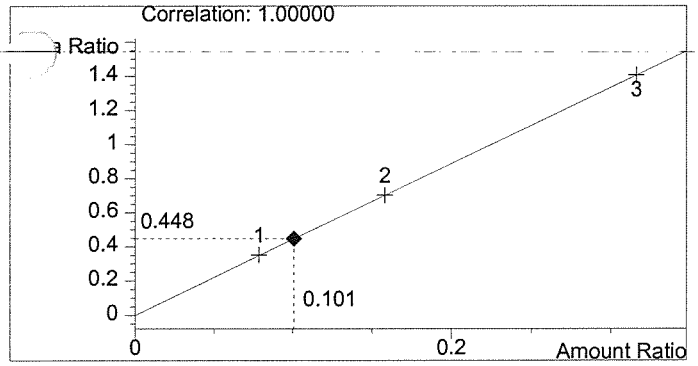
SIMSOL 02011
EGLE WEISS

vial # 10

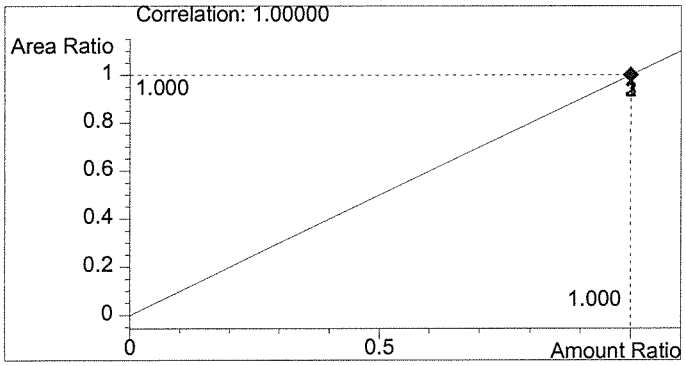


#	Compound	Area	RT
1	Ethanol	1491	1.054
2	n-Propanol	3326	1.843

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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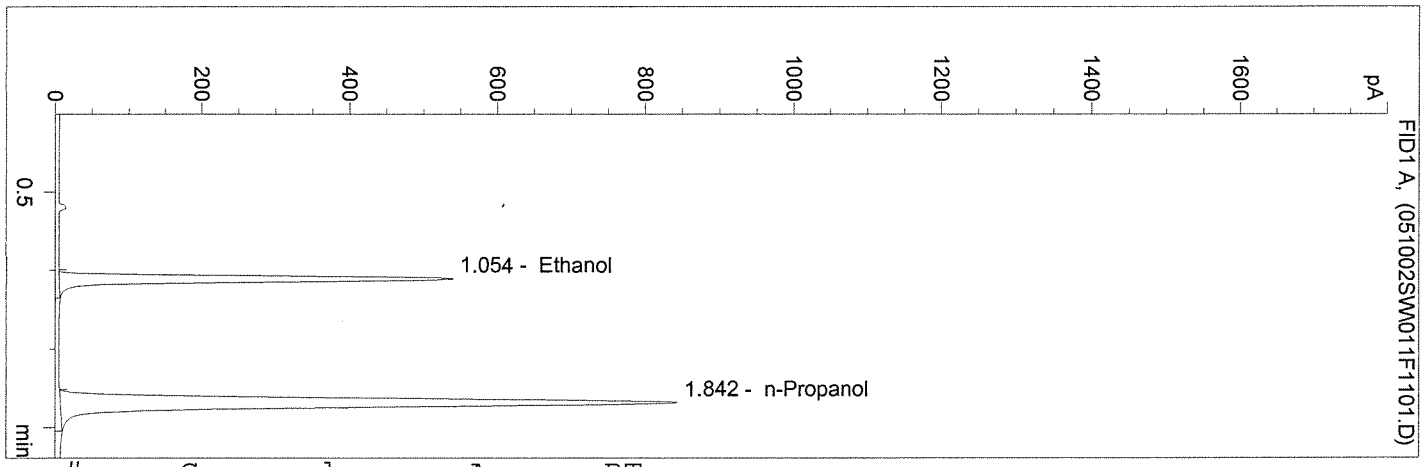
Instrument 2
-ALC1

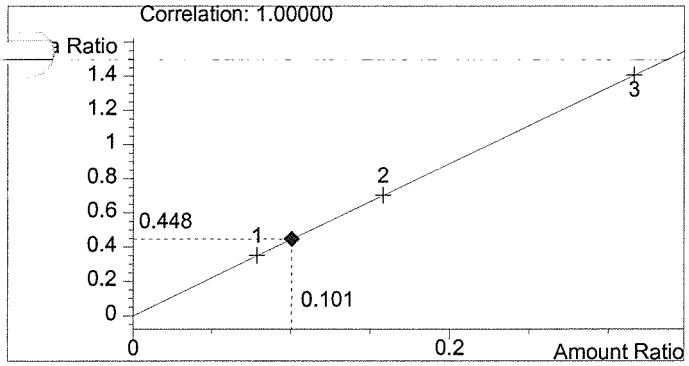
SIMSOL 02011
EGLE WEISS

vial # 11

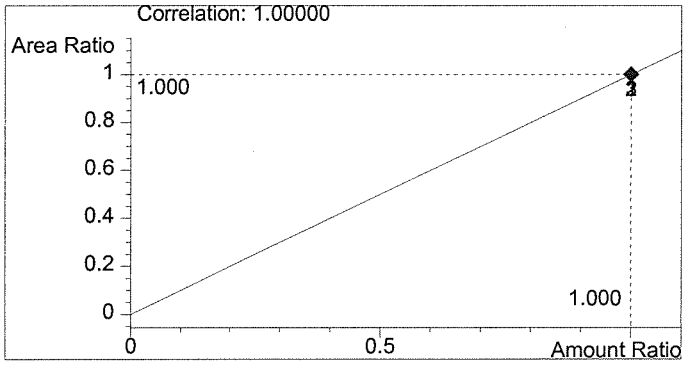


#	Compound	Area	RT
1	Ethanol	1438	1.054
2	n-Propanol	3212	1.842

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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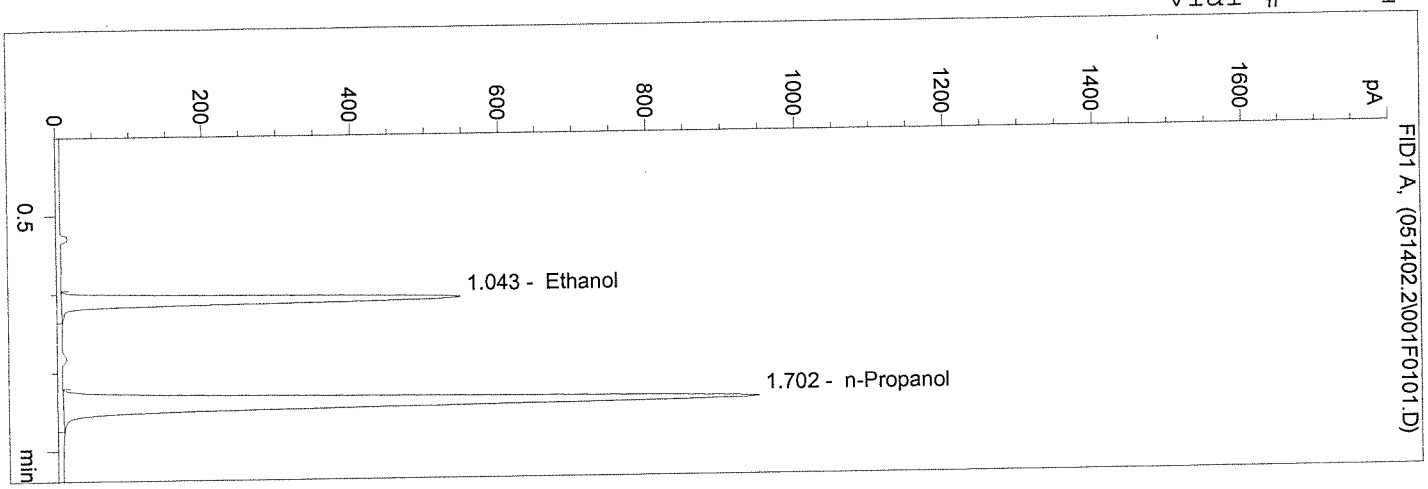
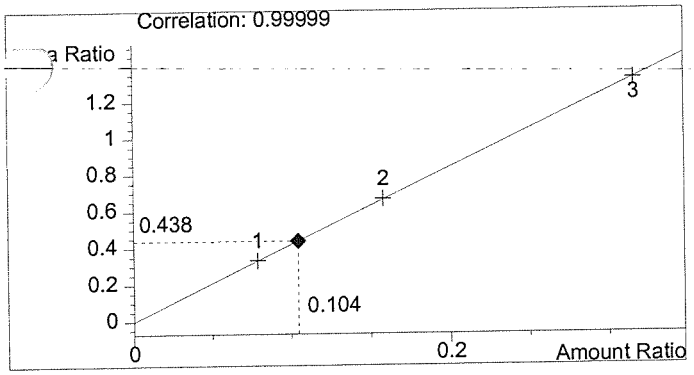
RUTH LUTHI

vial # 1

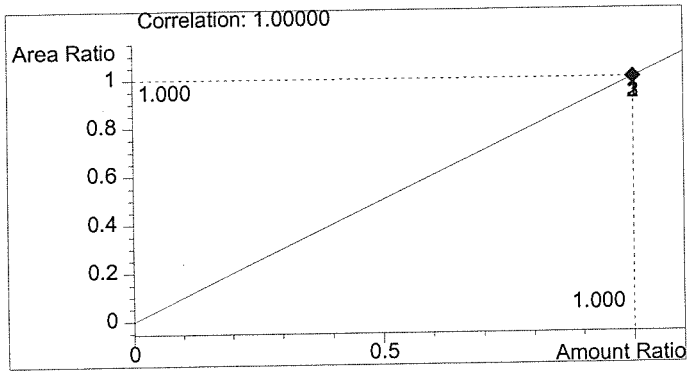


#	Compound	Area	RT
1	Ethanol	1790	1.043
2	n-Propanol	4089	1.702

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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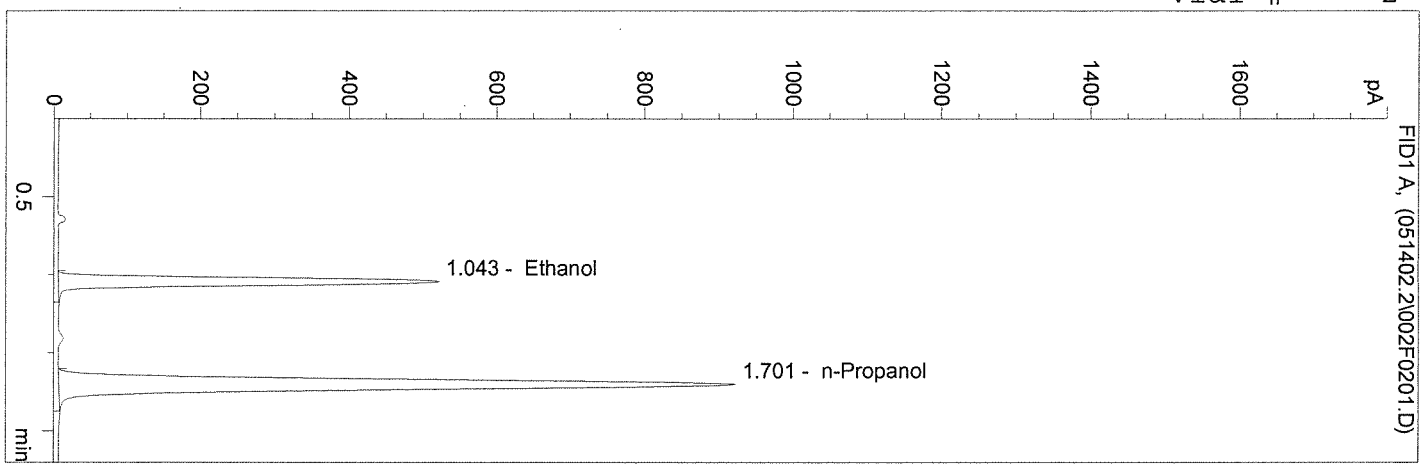
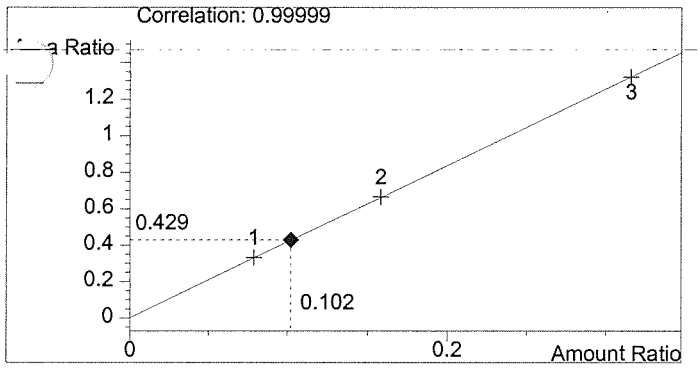
02011 SIM SOL
RUTH LUTHI

vial # 2

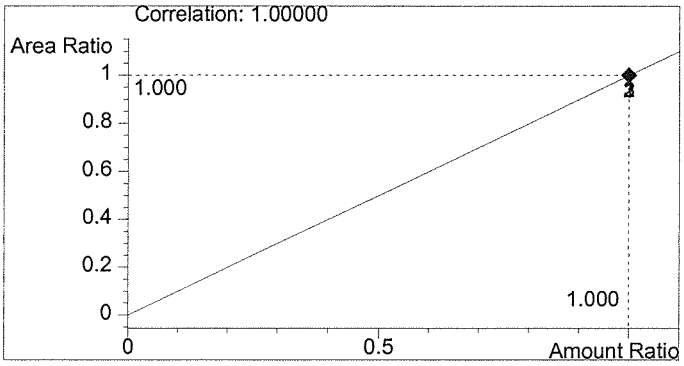


#	Compound	Area	RT
1	Ethanol	1702	1.043
2	n-Propanol	3965	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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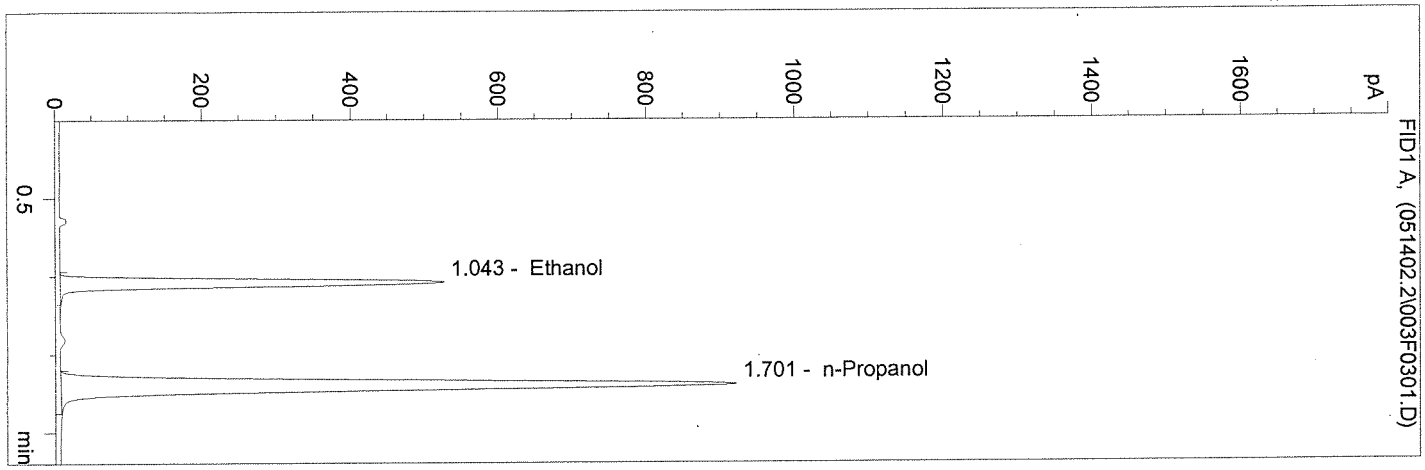
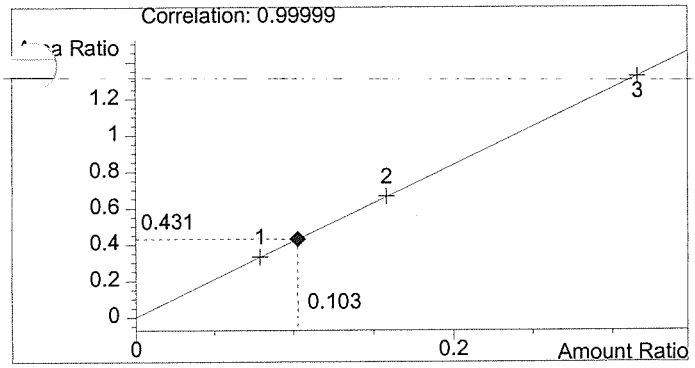
RUTH LUTHI

vial # 3

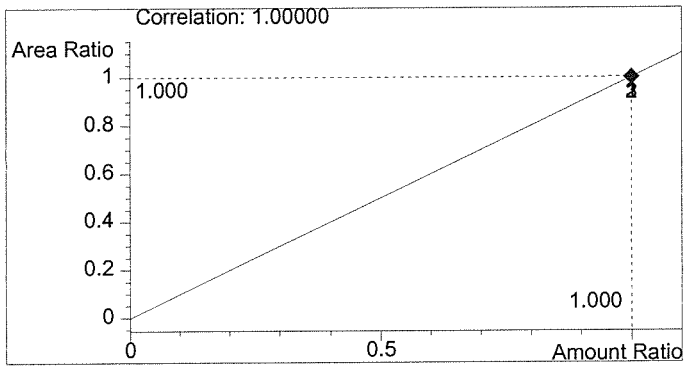


#	Compound	Area	RT
1	Ethanol	1699	1.043
2	n-Propanol	3943	1.701

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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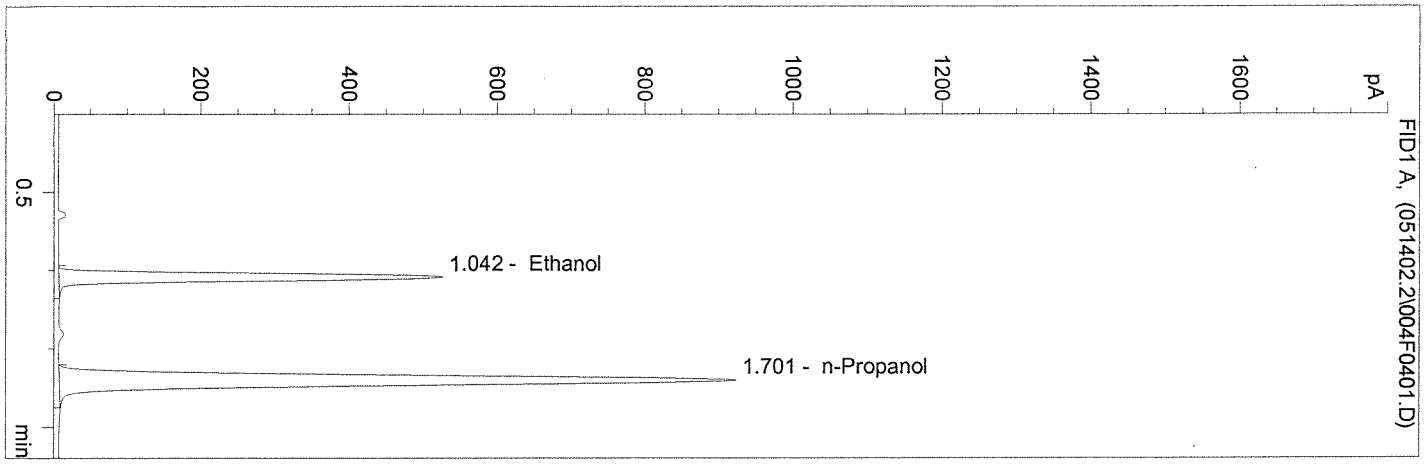
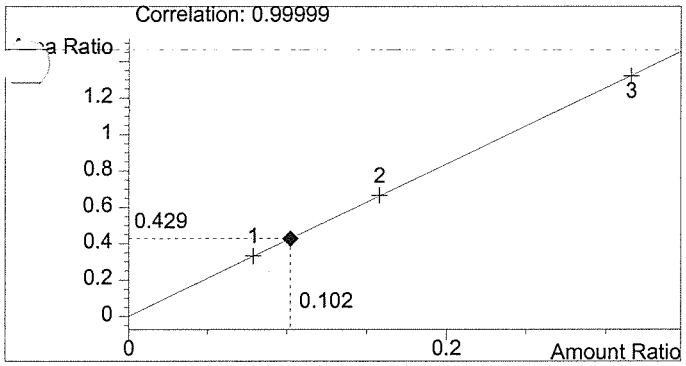
vial # 4

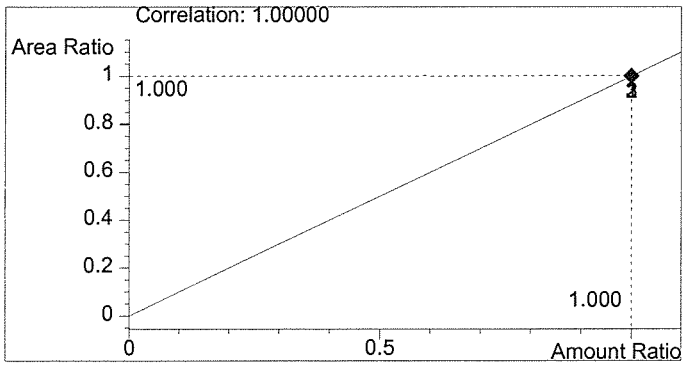


#	Compound	Area	RT
1	Ethanol	1692	1.042
2	n-Propanol	3947	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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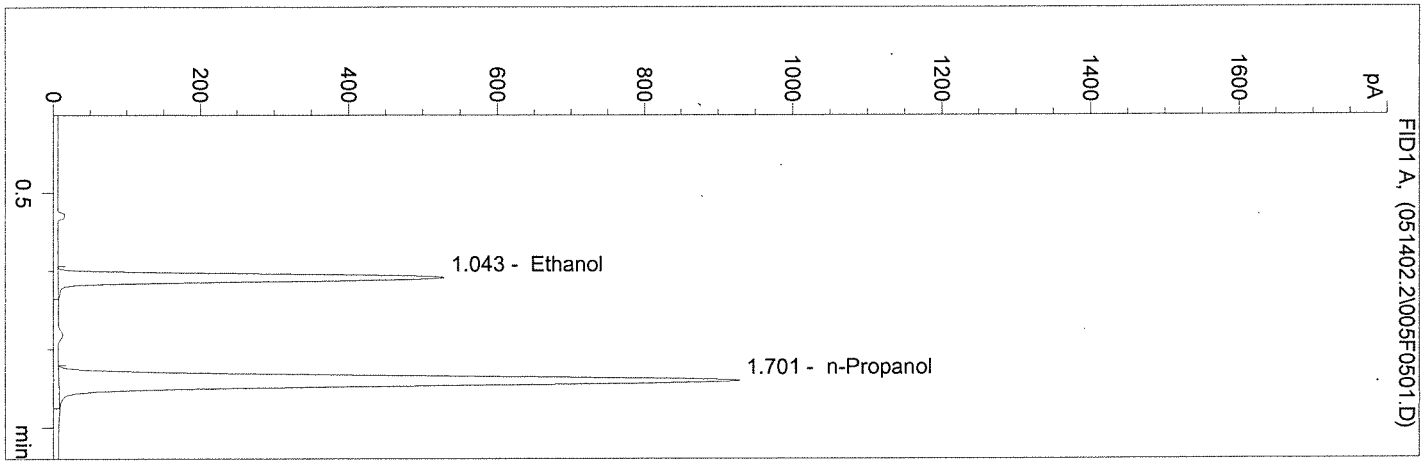
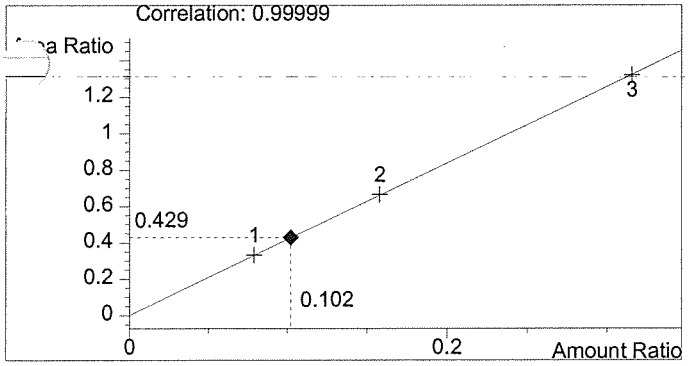
vial # 5

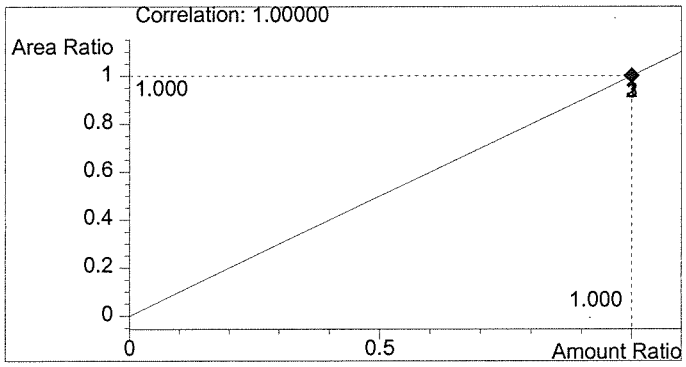


#	Compound	Area	RT
1	Ethanol	1711	1.043
2	n-Propanol	3990	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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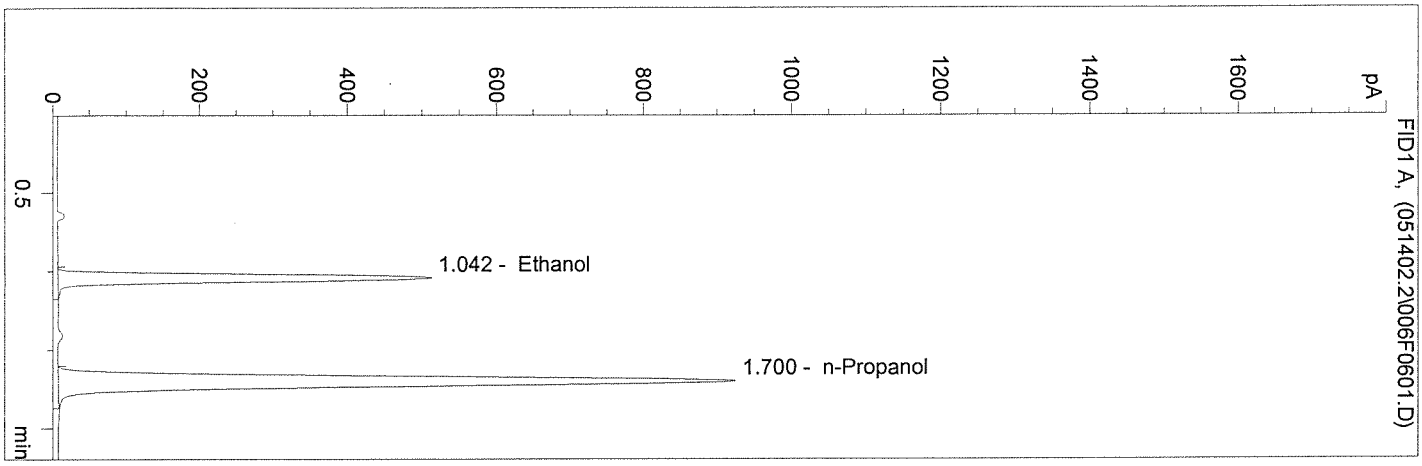
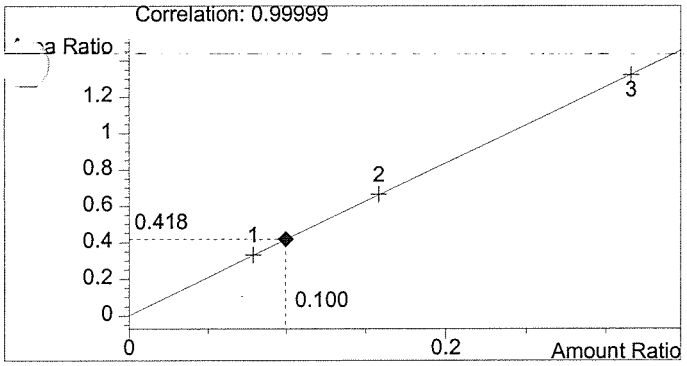
0.100 NEW CTRL
RUTH LUTHI

vial # 6

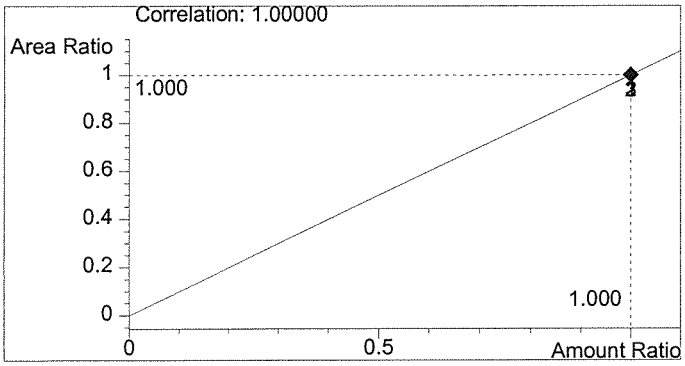


#	Compound	Area	RT
1	Ethanol	1653	1.042
2	n-Propanol	3953	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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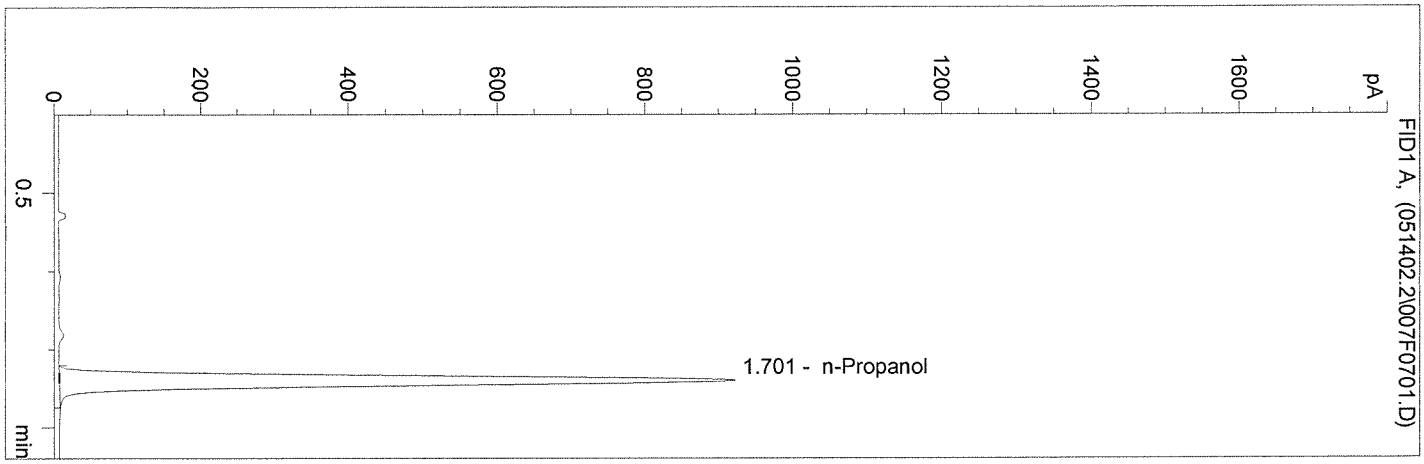
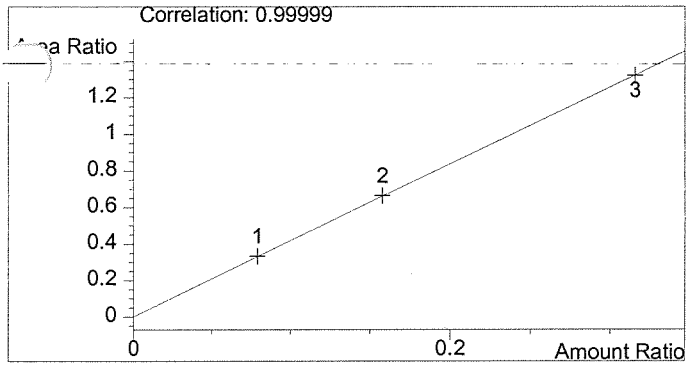
vial # 7

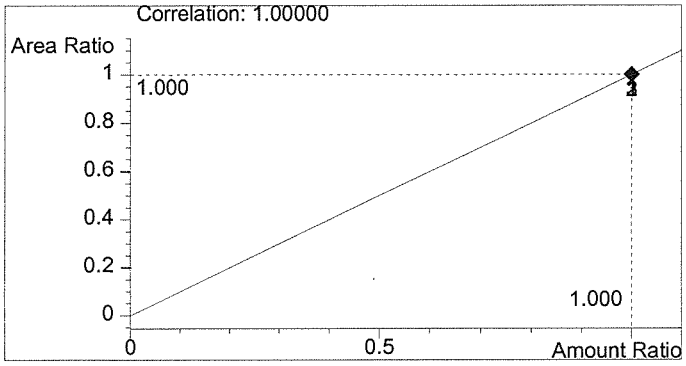


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3942	1.701

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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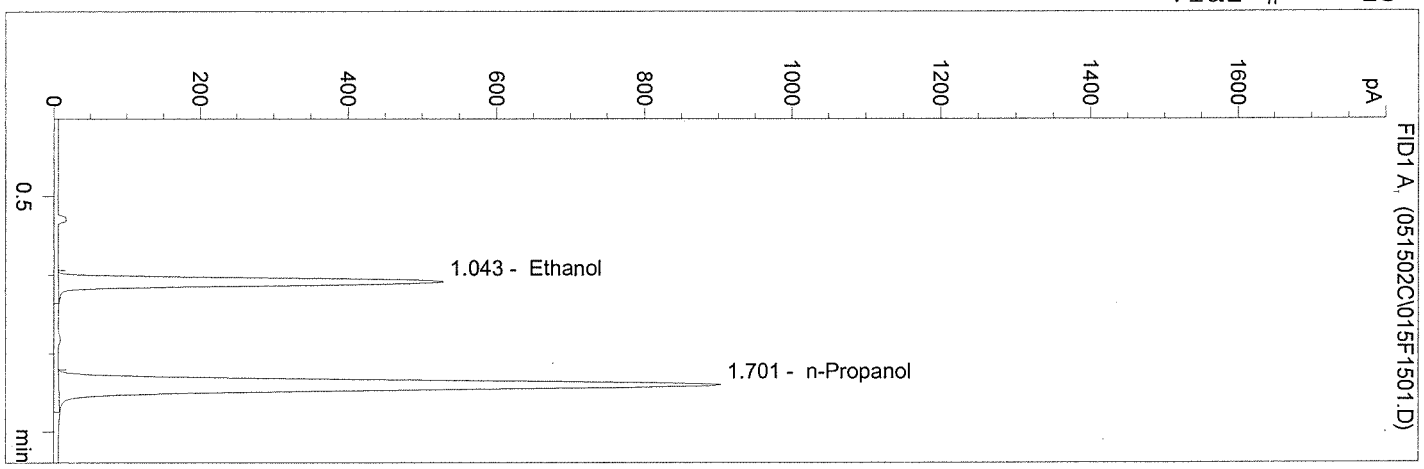
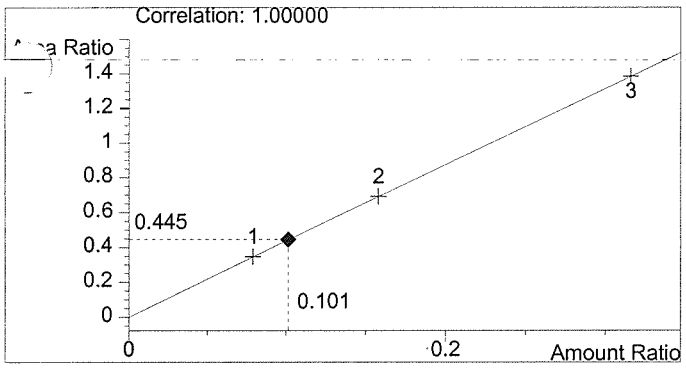
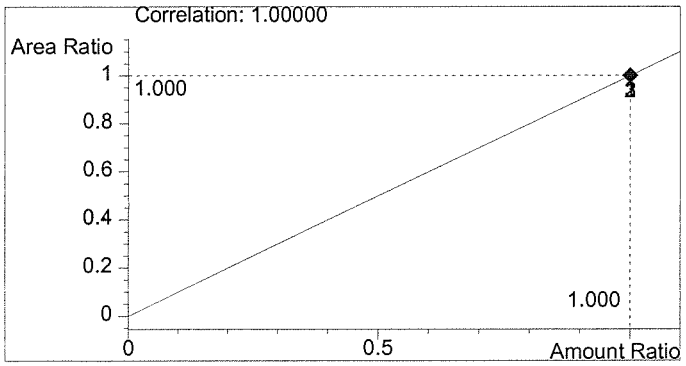
vial # 15



#	Compound	Area	RT
1	Ethanol	1729	1.043
2	n-Propanol	3887	1.701
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
DR-ALC1

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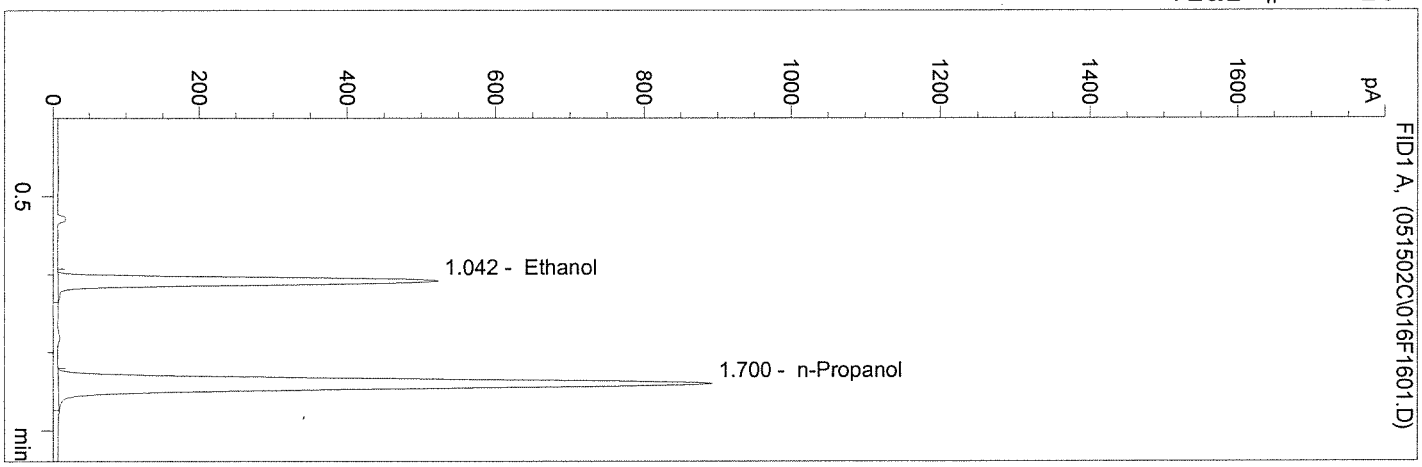
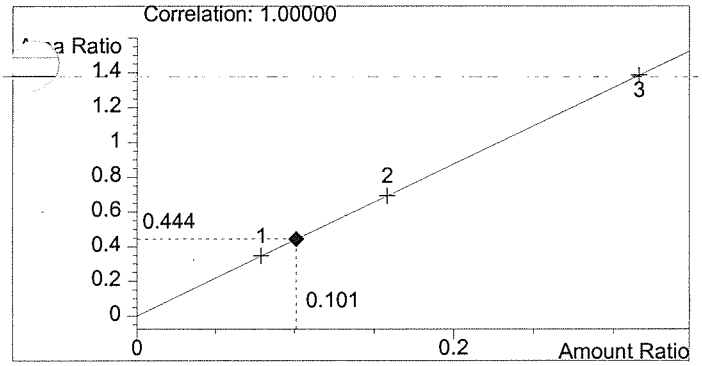
ED FORMOSO

vial # 16

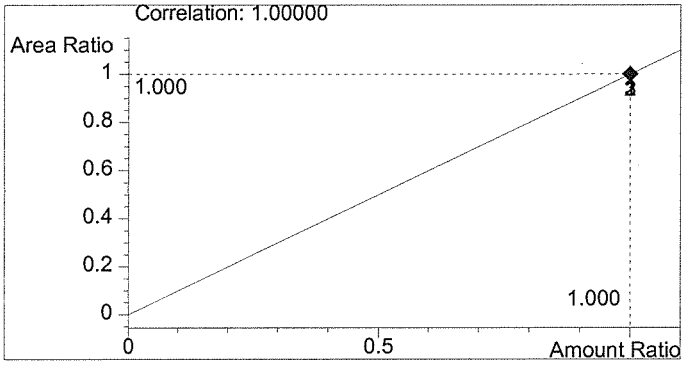


#	Compound	Area	RT
1	Ethanol	1696	1.042
2	n-Propanol	3819	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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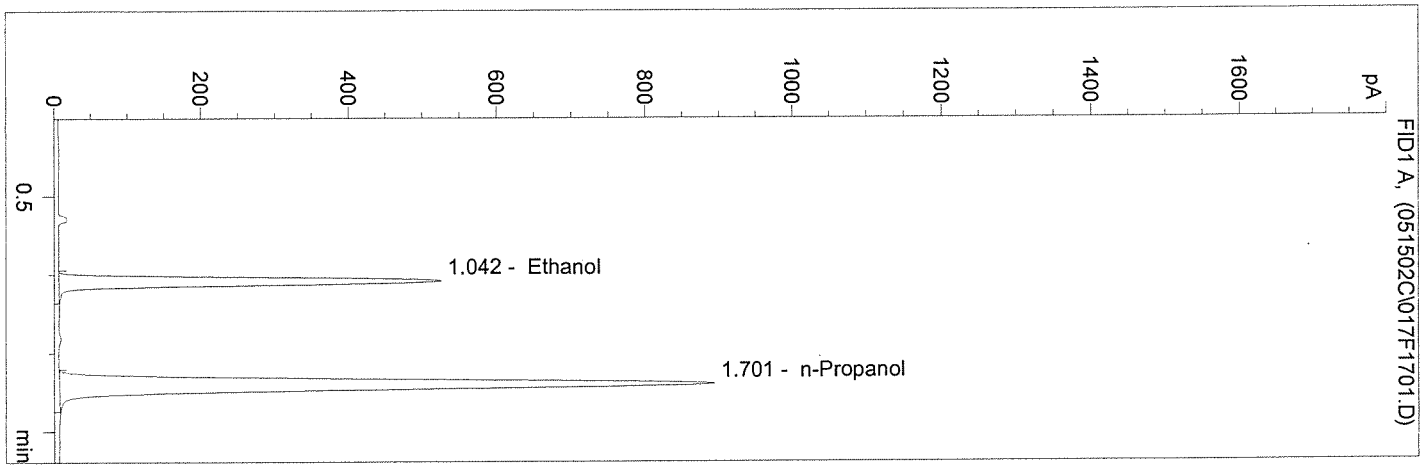
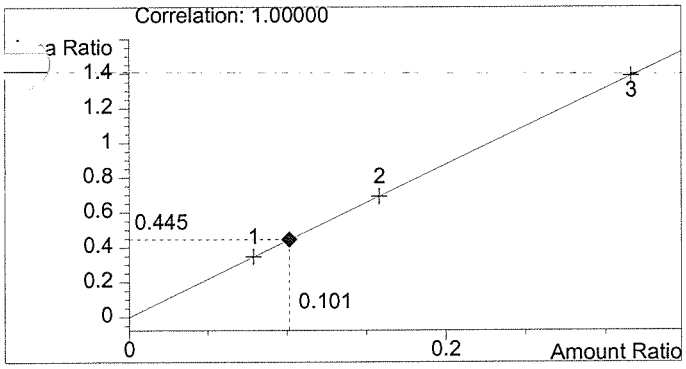
vial # 17

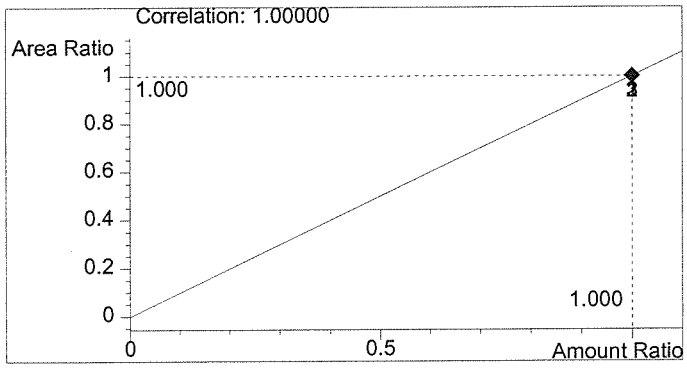


#	Compound	Area	RT
1	Ethanol	1708	1.042
2	n-Propanol	3837	1.701

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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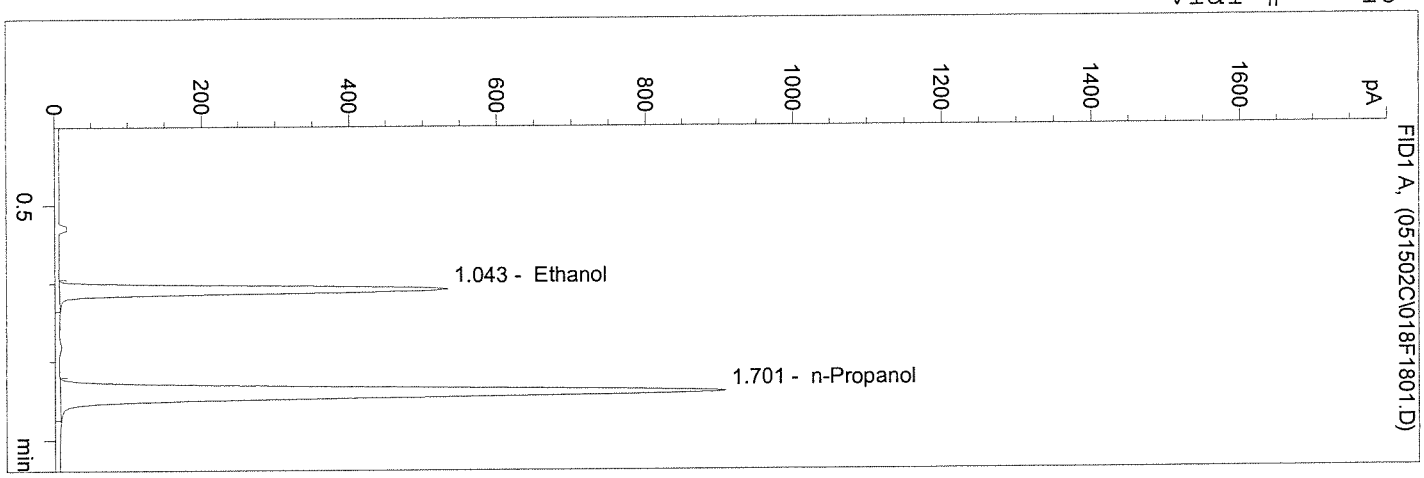
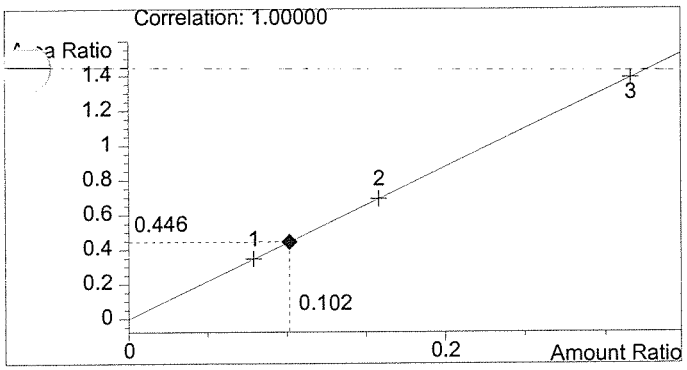
vial # 18

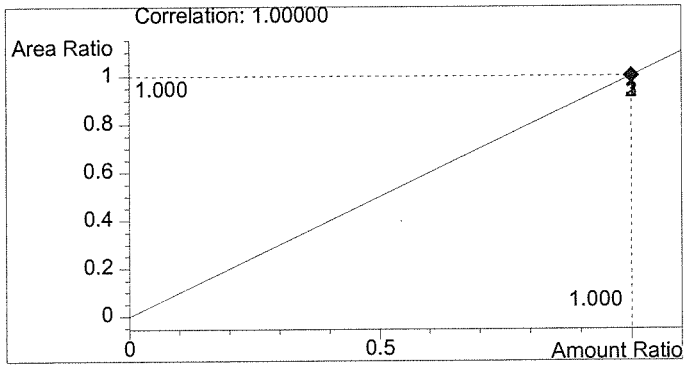


#	Compound	Area	RT
1	Ethanol	1743	1.043
2	n-Propanol	3905	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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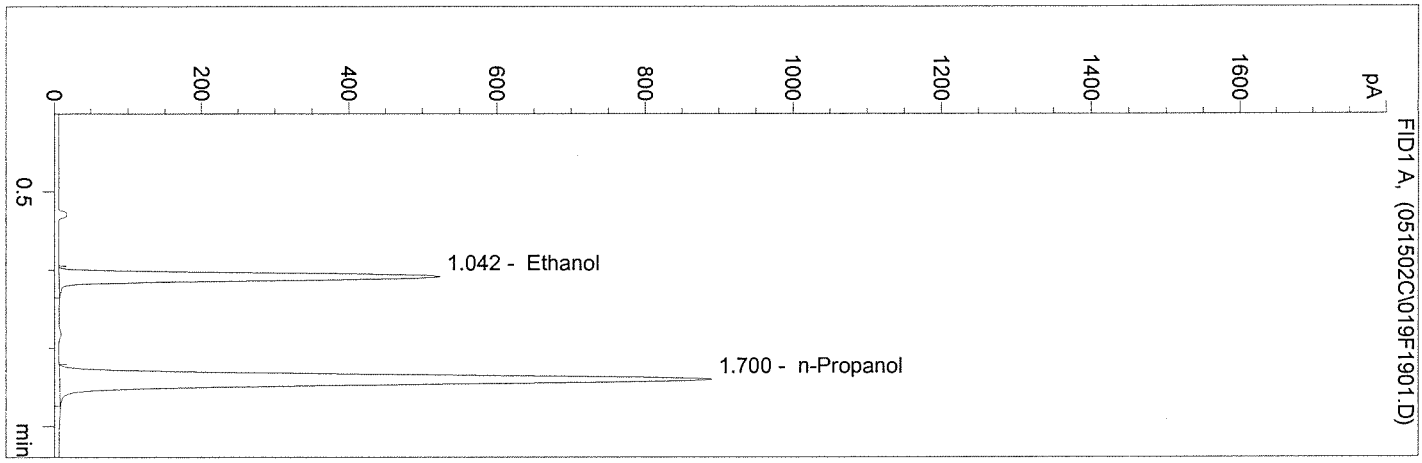
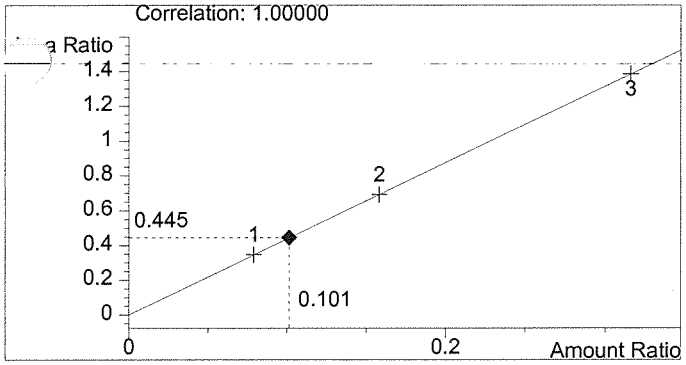
vial # 19

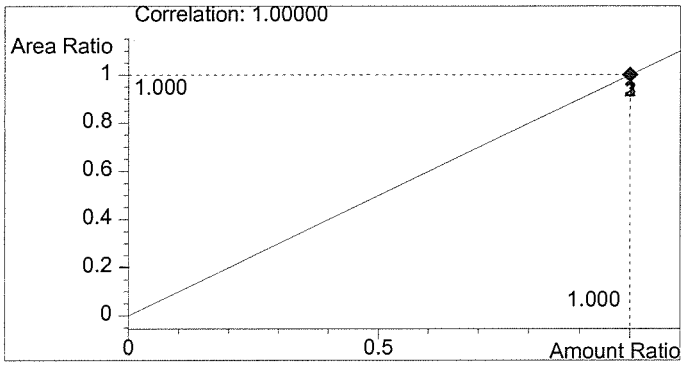


#	Compound	Area	RT
1	Ethanol	1698	1.042
2	n-Propanol	3812	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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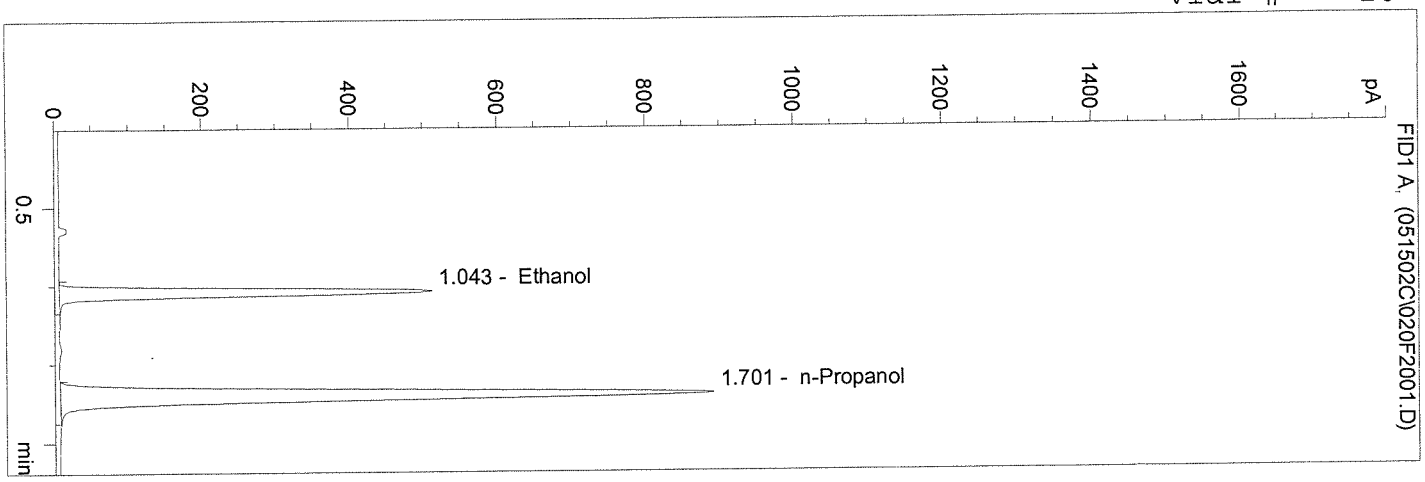
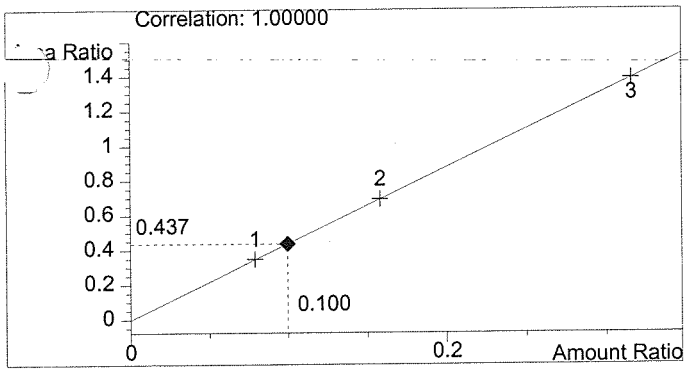
0.10 CONTROL
ED FORMOSO

vial # 20

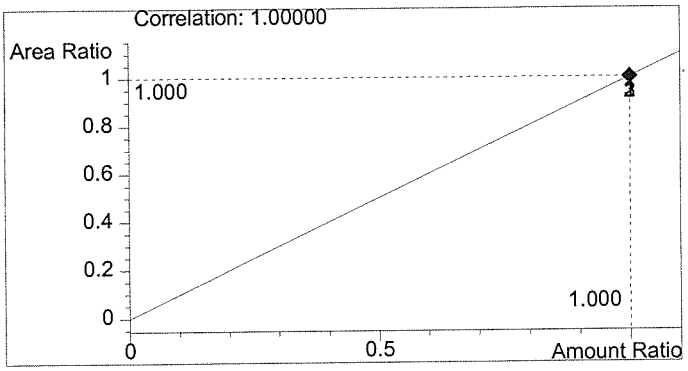


#	Compound	Area	RT
1	Ethanol	1677	1.043
2	n-Propanol	3835	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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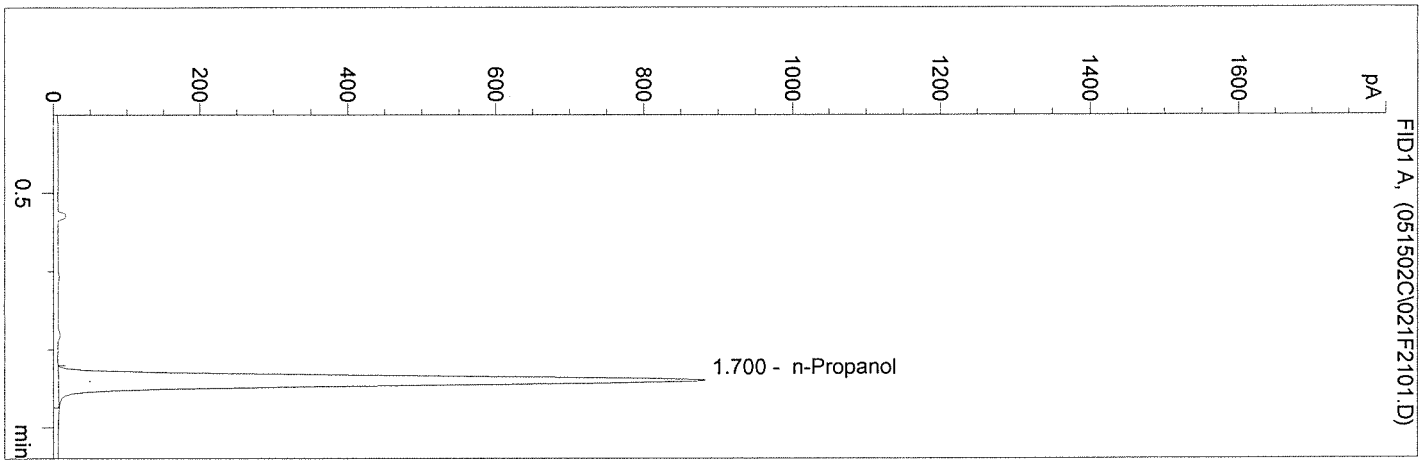
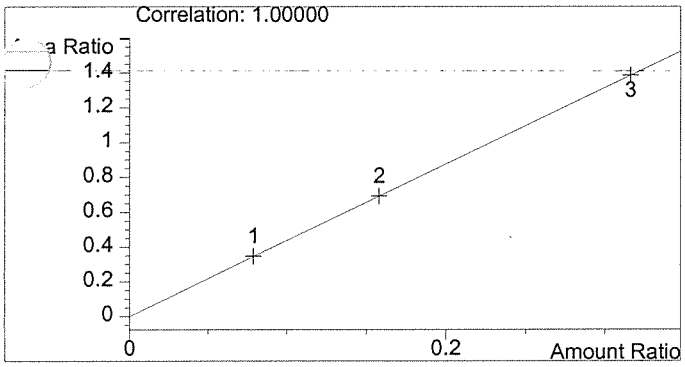
vial # 21

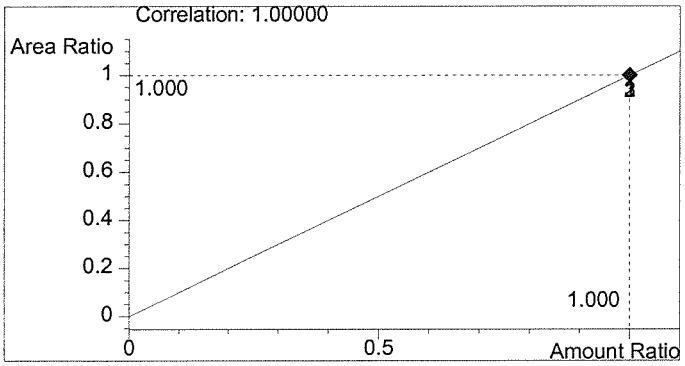


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3772	1.700

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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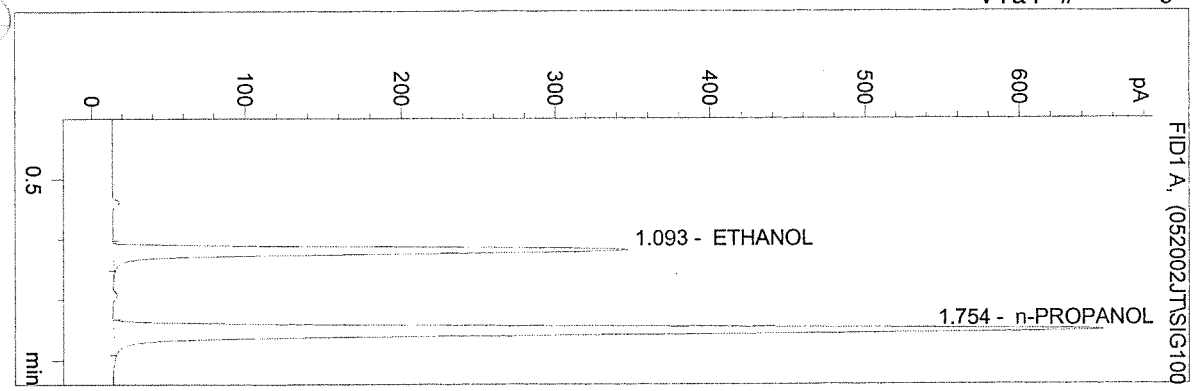
5/20/02 3:04:09 PM
Instrument 3
DB-ALC1

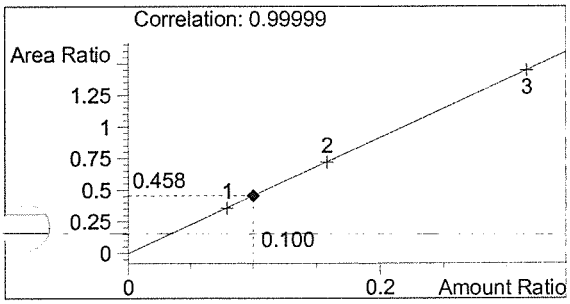
02011 SIM
JAYNE THATCHER

vial # 6

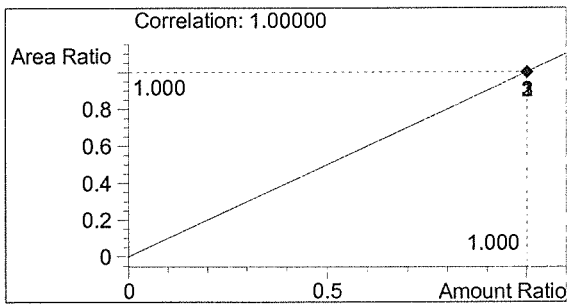


#	Compound	Area	RT
1	ETHANOL	1351	1.093
2	n-PROPANOL	2951	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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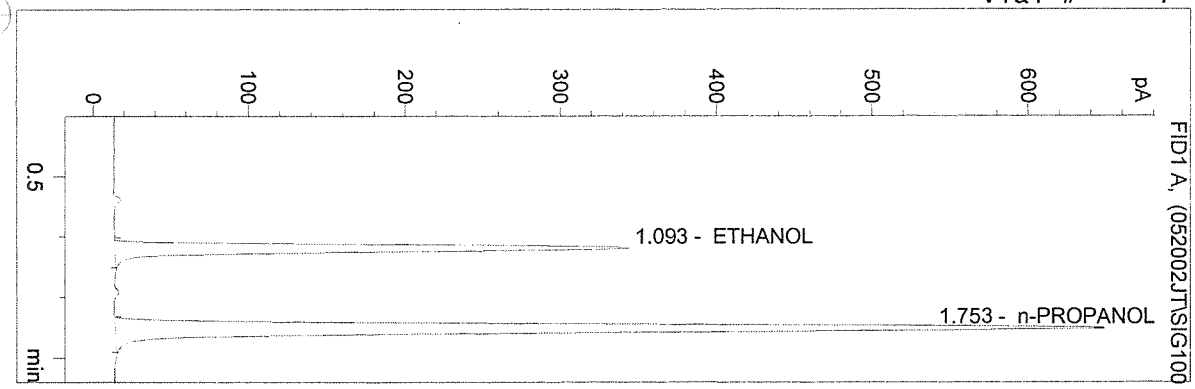
Instrument 3
DB-ALC1

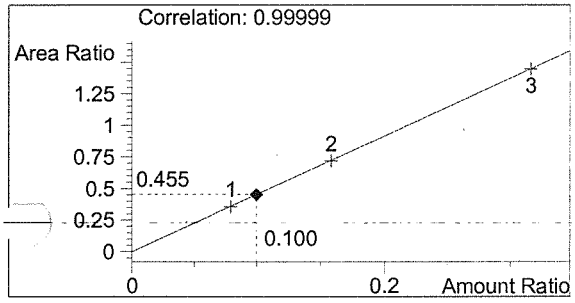
02011 SIM
JAYNE THATCHER

vial # 7

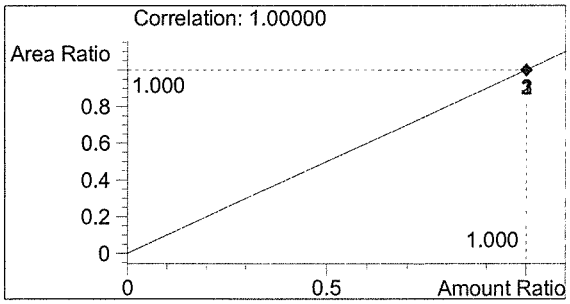


#	Compound	Area	RT
1	ETHANOL	1341	1.093
2	n-PROPANOL	2947	1.753

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
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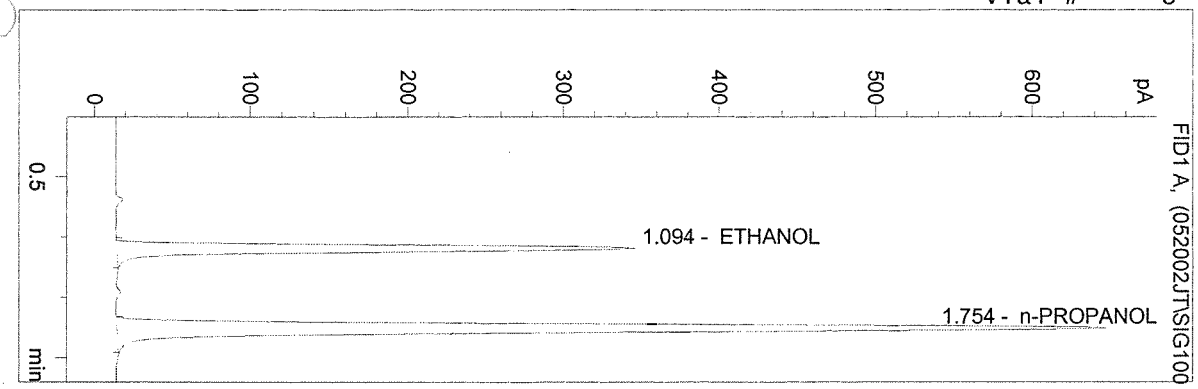
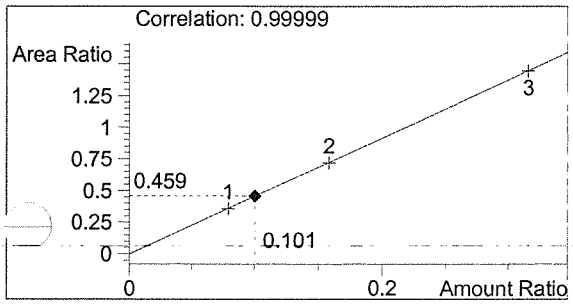
02011 SIM
JAYNE THATCHER

vial # 8

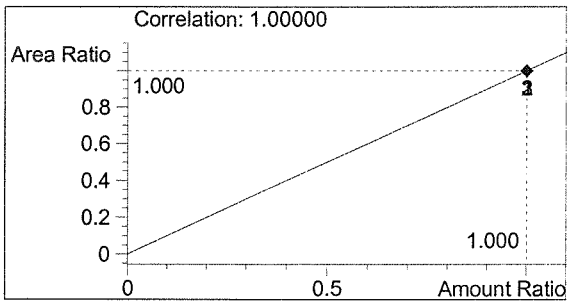


#	Compound	Area	RT
1	ETHANOL	1336	1.094
2	n-PROPANOL	2911	1.754

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

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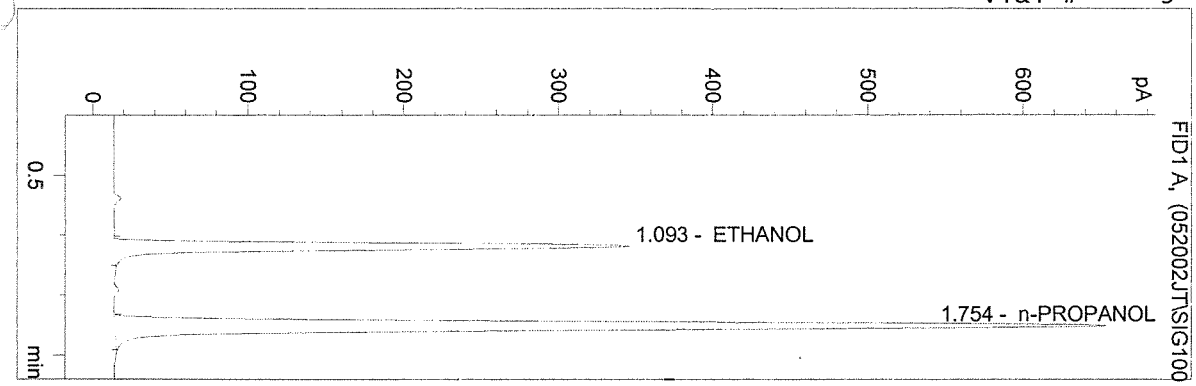
Instrument 3
DB-ALC1

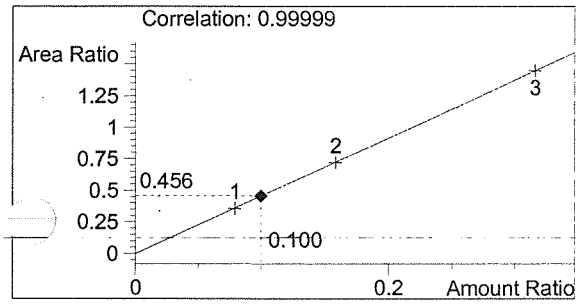
02011 SIM
JAYNE THATCHER

vial # 9

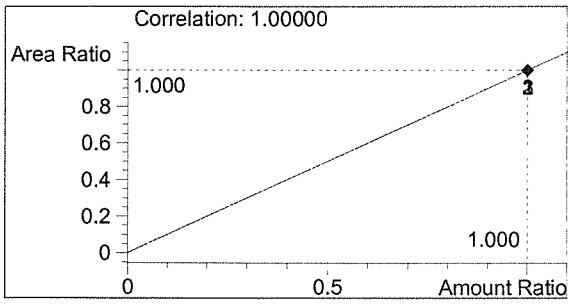


#	Compound	Area	RT
1	ETHANOL	1345	1.093
2	n-PROPANOL	2948	1.754

Totals:



ETHANOL 0.100 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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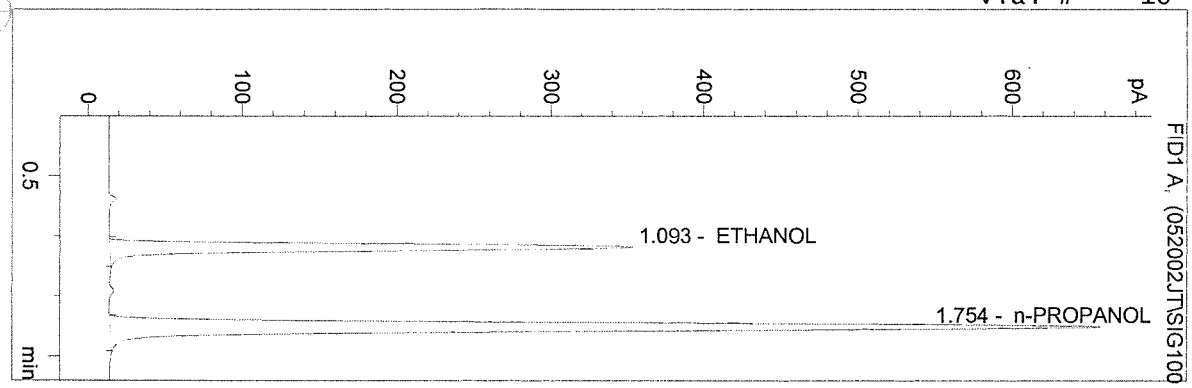
Instrument 3
DB-ALC1

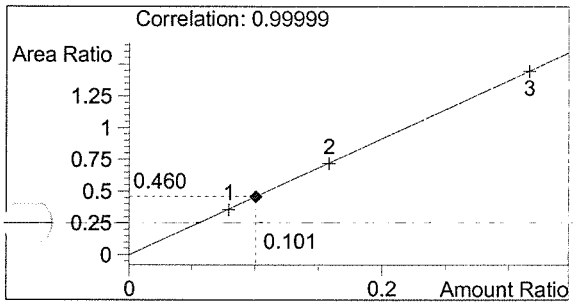
02011 SIM
JAYNE THATCHER

vial # 10

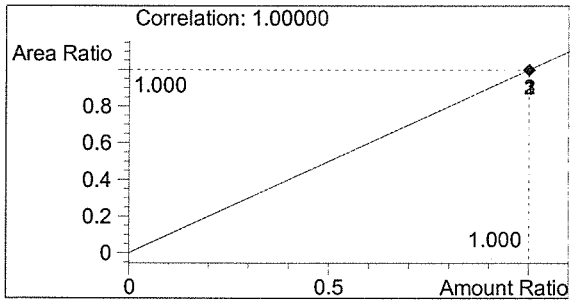


#	Compound	Area	RT
1	ETHANOL	1365	1.093
2	n-PROPANOL	2966	1.754

Totals:



ETHANOL 0.101 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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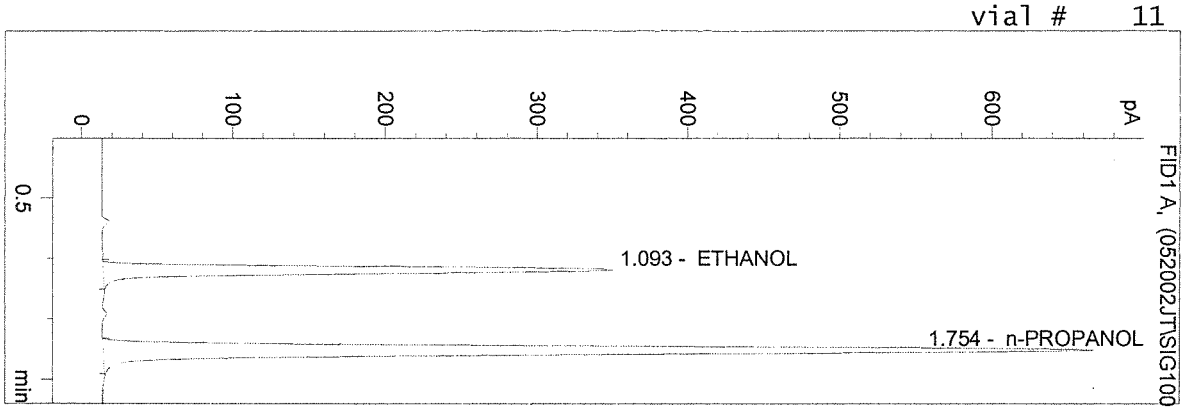
Instrument 3
DB-ALC1

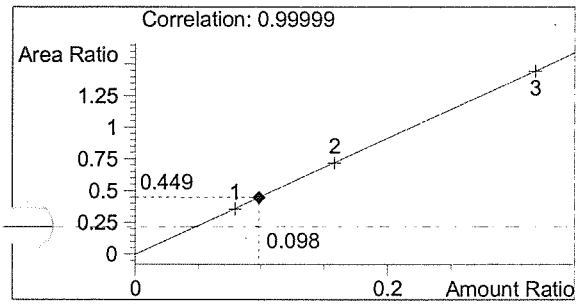
0.10 CONTROL
JAYNE THATCHER

vial # 11

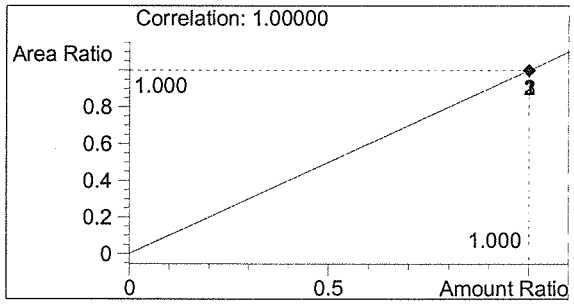


#	Compound	Area	RT
1	ETHANOL	1356	1.093
2	n-PROPANOL	3016	1.754

Totals:



ETHANOL 0.098 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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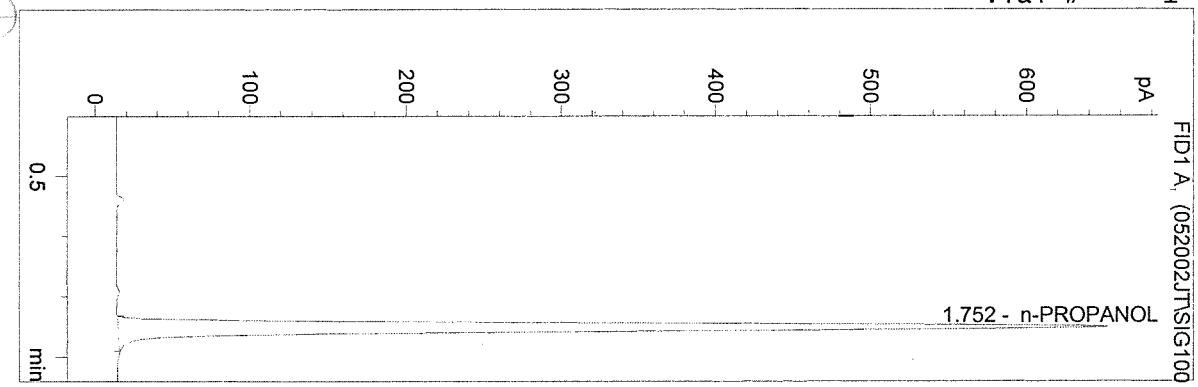
Instrument 3
DB-ALC1

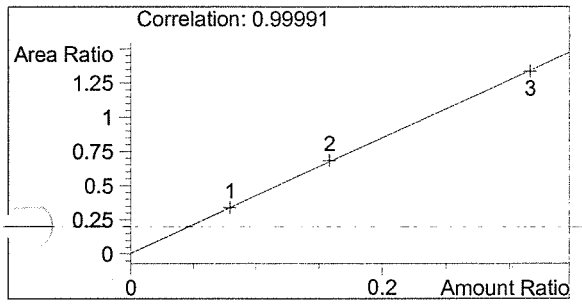
BLANK-1
JAYNE THATCHER

vial # 1

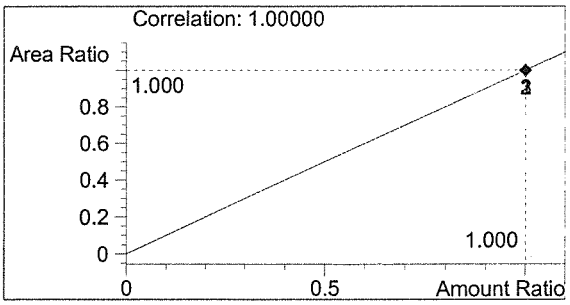


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2925	1.752

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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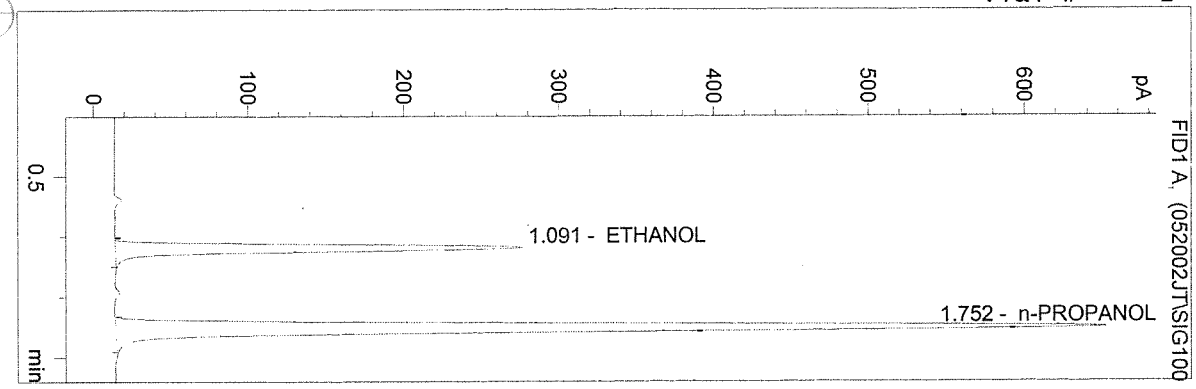
Instrument 3
DB-ALC1

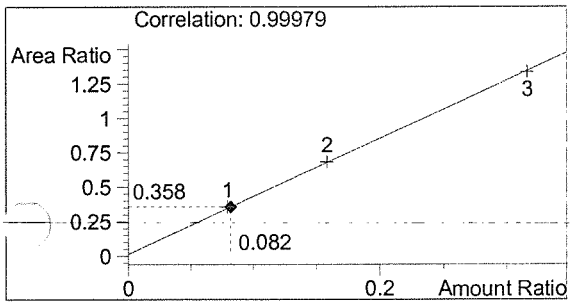
0.079 CAL
JAYNE THATCHER

vial # 2

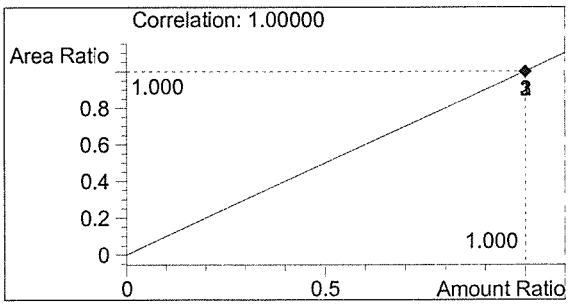


#	Compound	Area	RT
1	ETHANOL	1049	1.091
2	n-PROPANOL	2931	1.752

Totals:



ETHANOL 0.082 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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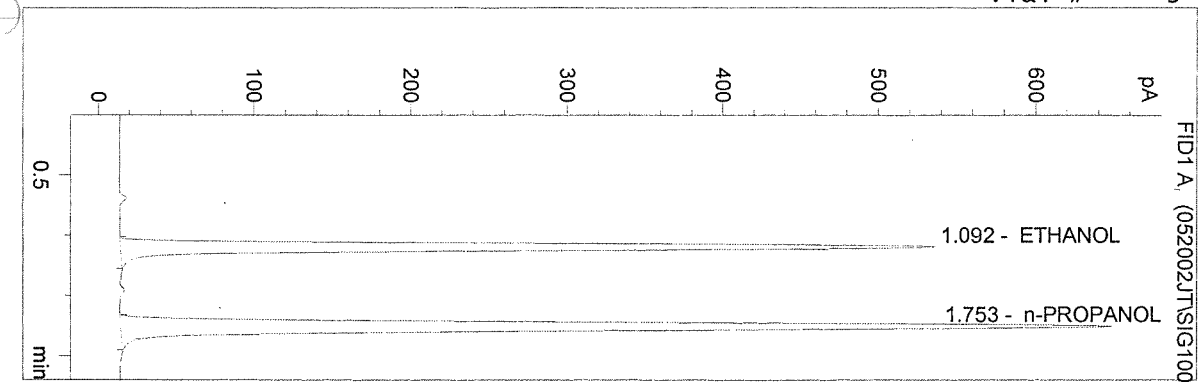
Instrument 3
DB-ALC1

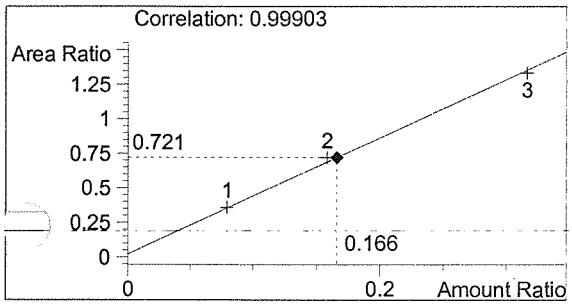
0.158 CAL
JAYNE THATCHER

vial # 3

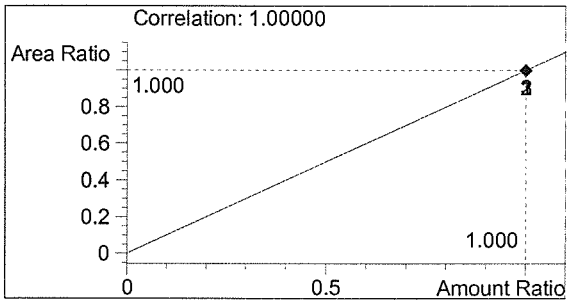


#	Compound	Area	RT
1	ETHANOL	2104	1.092
2	n-PROPANOL	2919	1.753

Totals:



ETHANOL 0.166 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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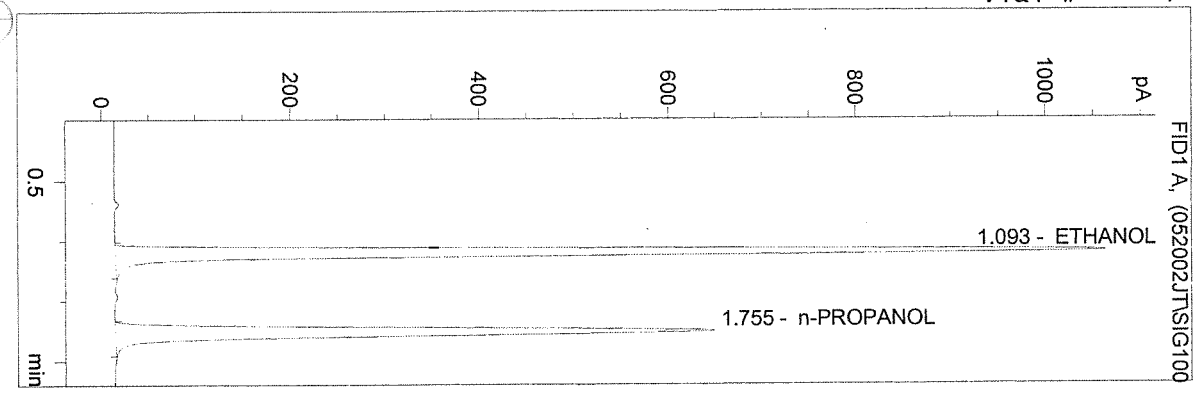
Instrument 3
DB-ALC1

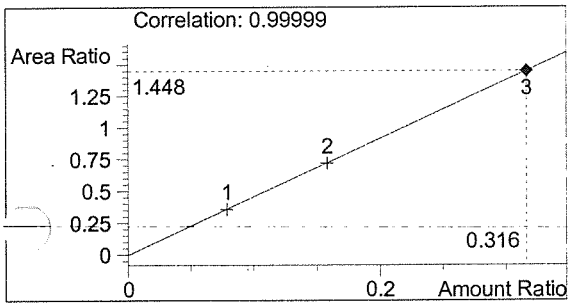
0.316 CAL
JAYNE THATCHER

vial # 4

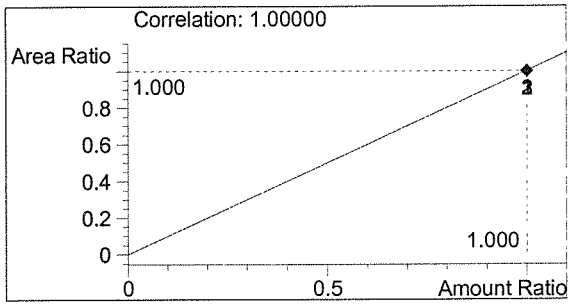


#	Compound	Area	RT
1	ETHANOL	4243	1.093
2	n-PROPANOL	2929	1.755

Totals:



ETHANOL 0.316 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 3
DB-ALC1

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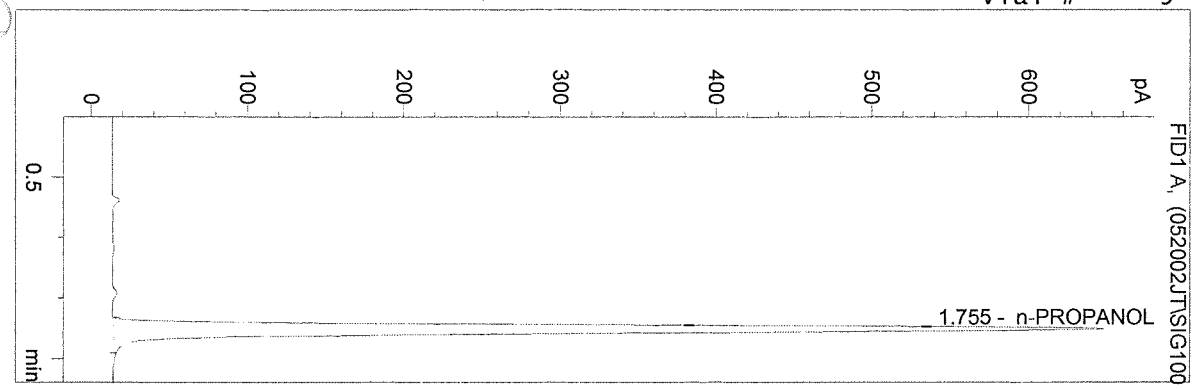
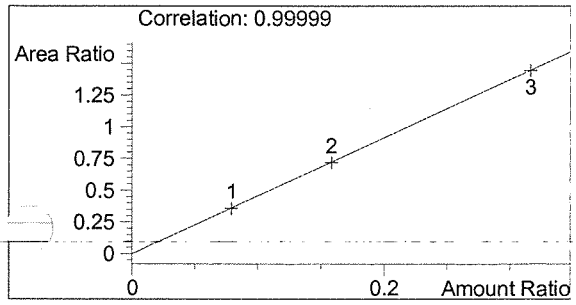
JAYNE THATCHER

vial # 5

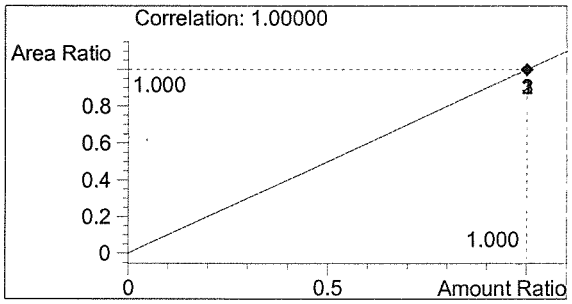


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2903	1.755

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

WASHINGTON STATE TOXICOLOGY LABORATORY

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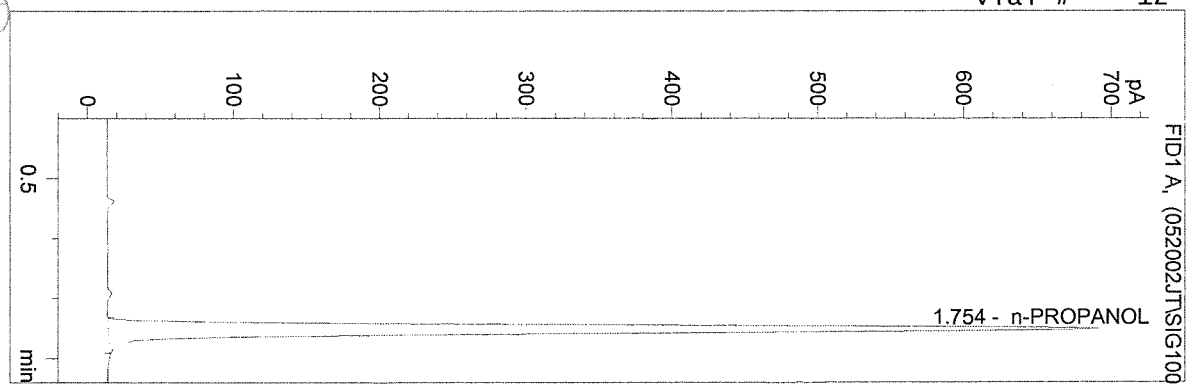
Instrument 3
DB-ALC1

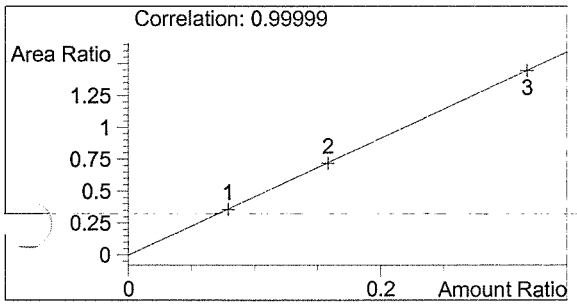
BLANK-3
JAYNE THATCHER

vial # 12

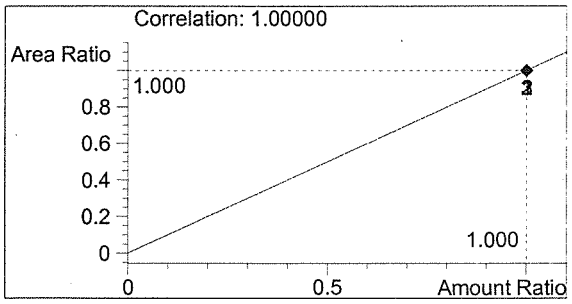


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3107	1.754

Totals:



ETHANOL 0.000 mg/L



n-PROPANOL 1.000 mg/L

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Instrument 1
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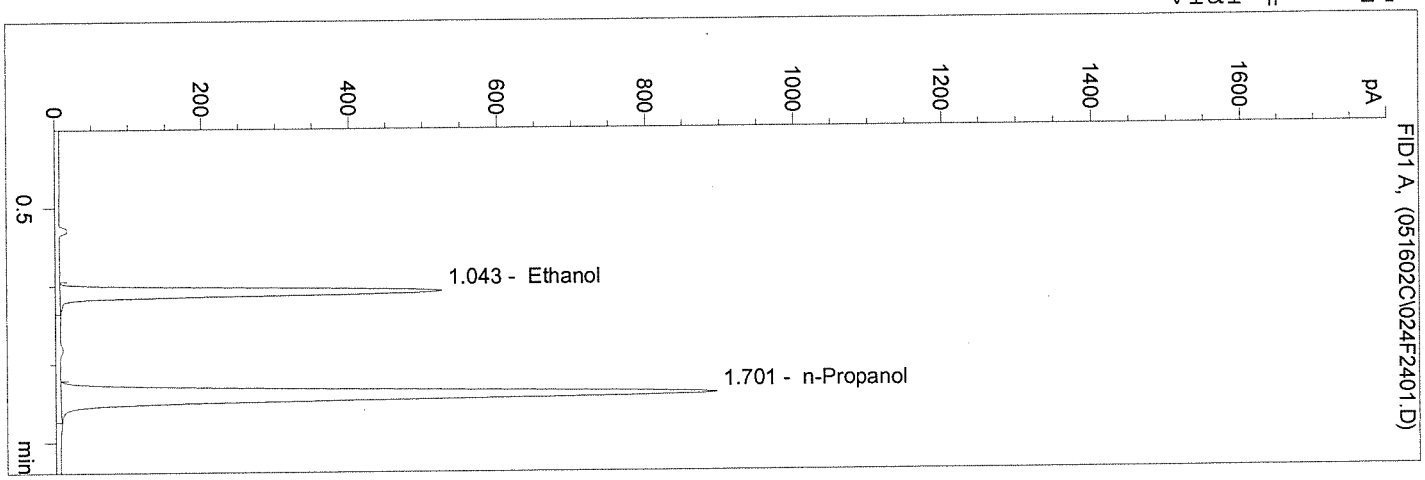
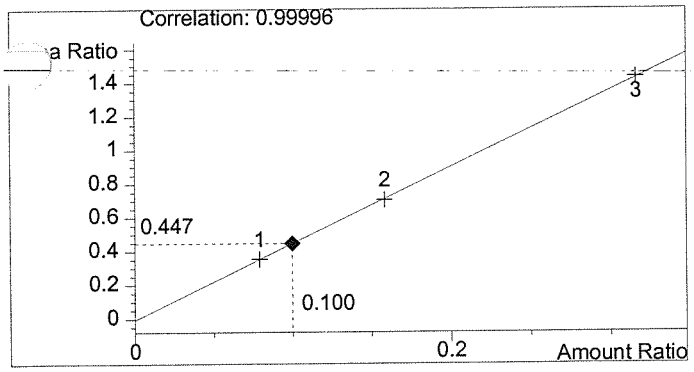
02011 sim soln
m pemberton

vial # 24

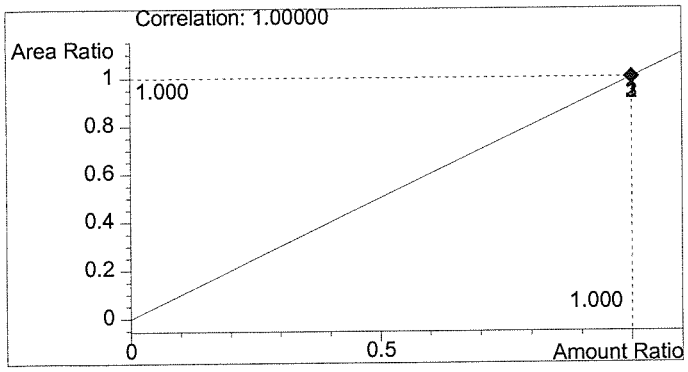


#	Compound	Area	RT
1	Ethanol	1721	1.043
2	n-Propanol	3848	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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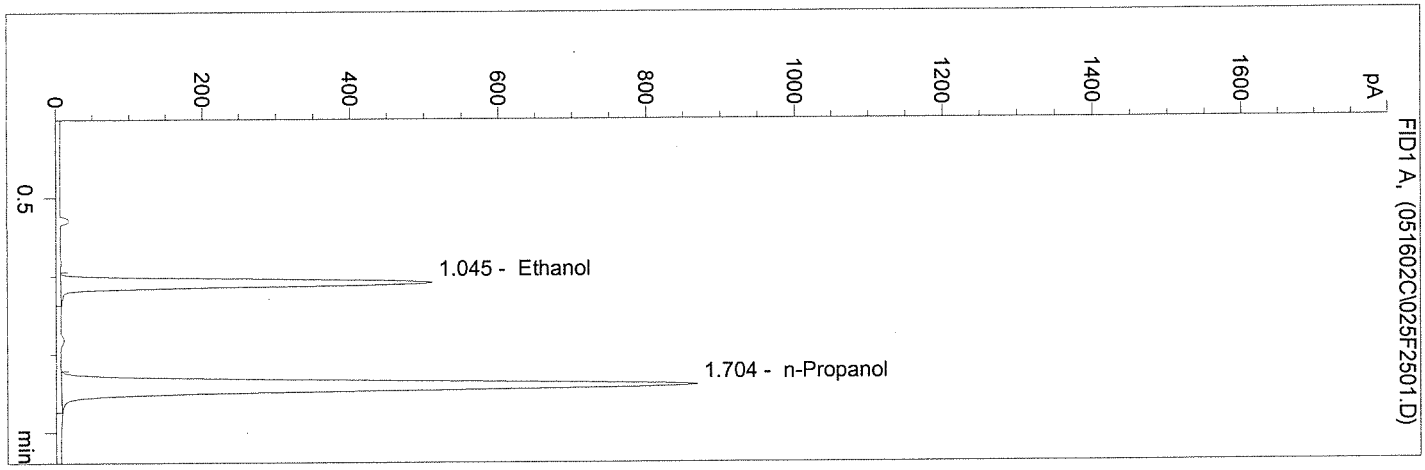
Instrument 1
DB-ALC1

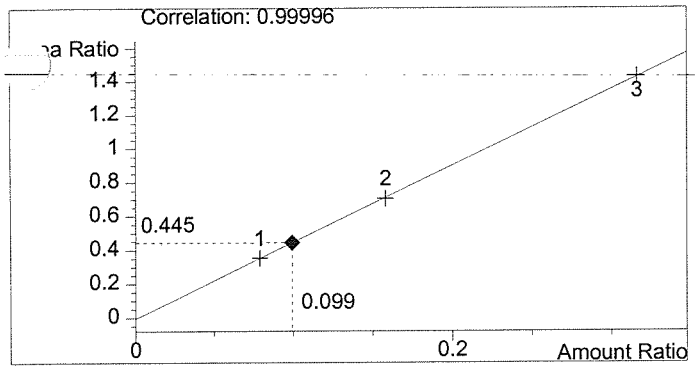
02011 sim soln
m pemberton

vial # 25

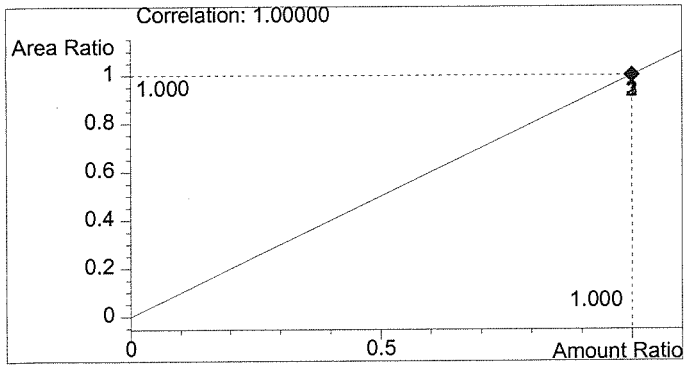


#	Compound	Area	RT
1	Ethanol	1652	1.045
2	n-Propanol	3710	1.704

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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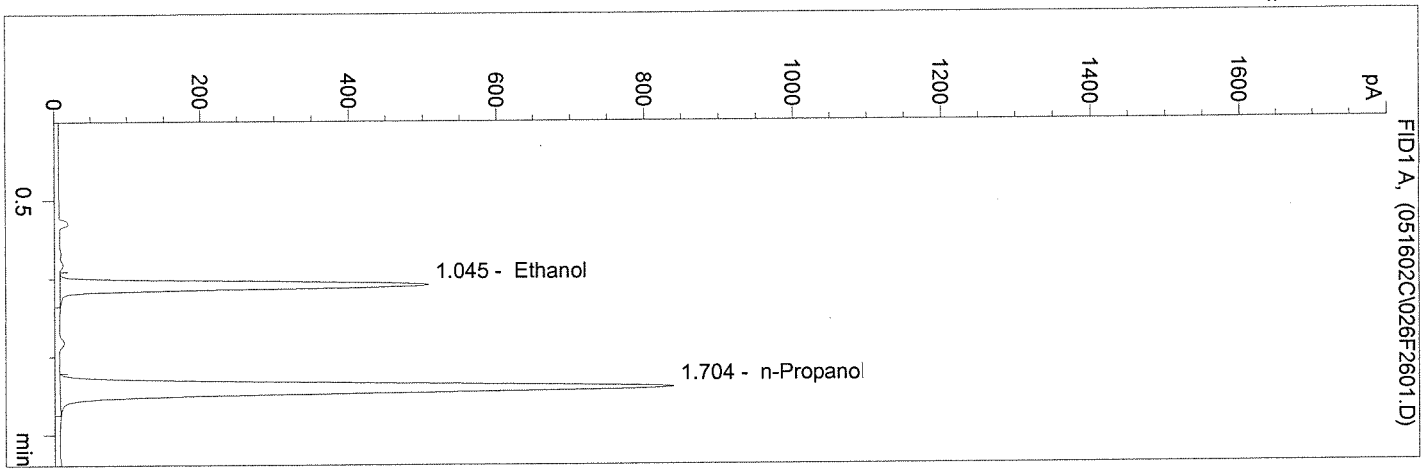
Instrument 1
DB-ALC1

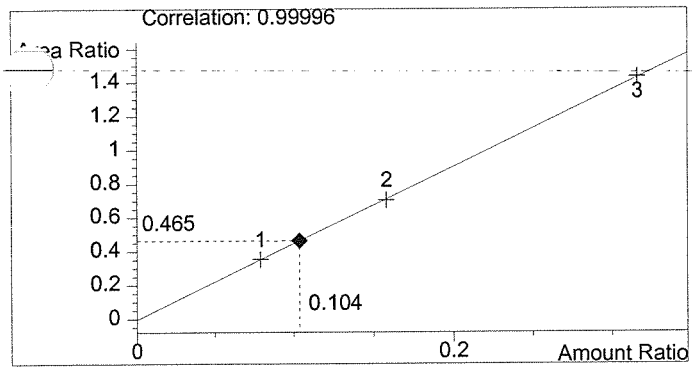
02011 sim soln
m pemberton

vial # 26

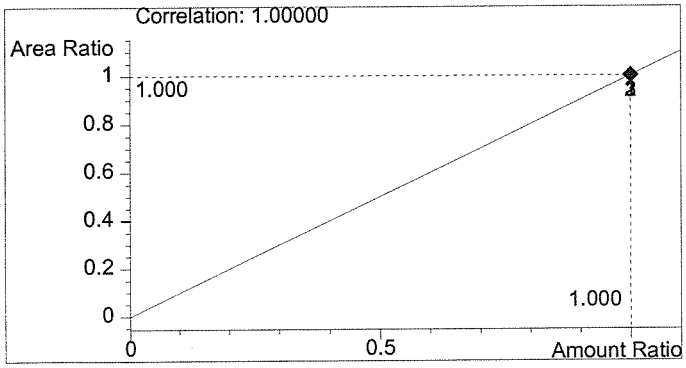


#	Compound	Area	RT
1	Ethanol	1674	1.045
2	n-Propanol	3601	1.704

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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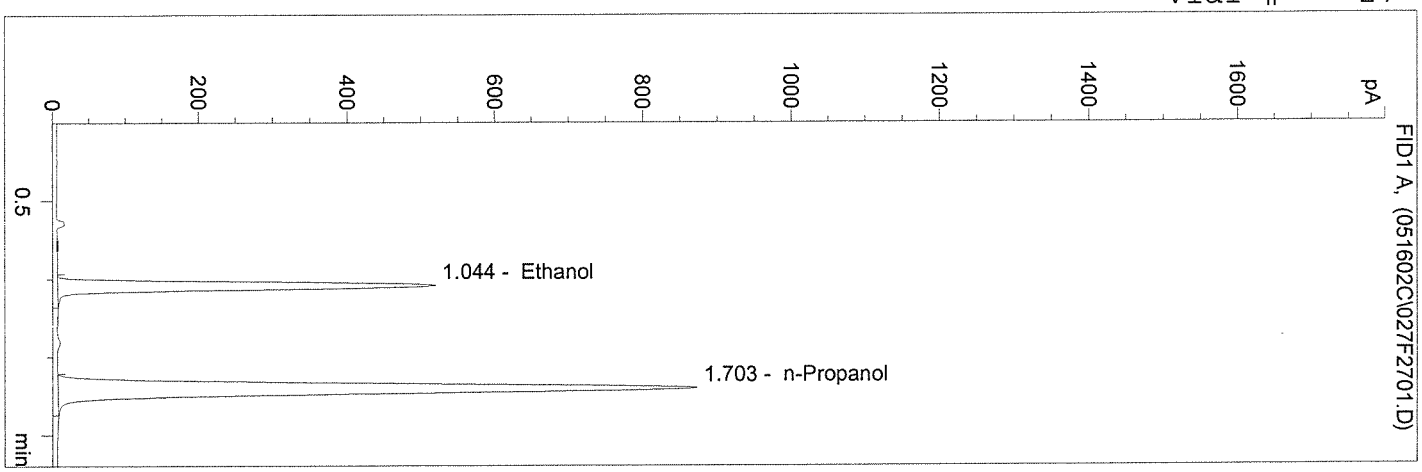
Instrument 1
DB-ALC1

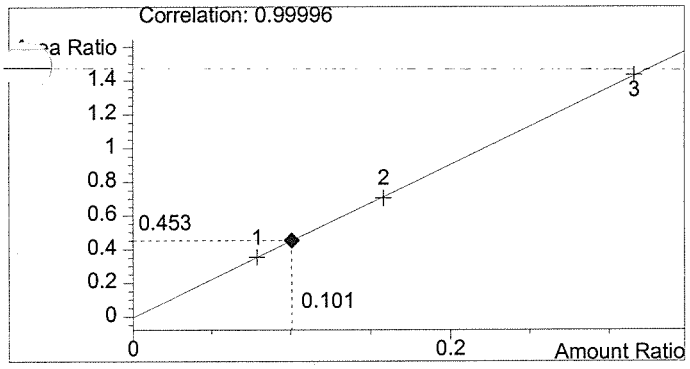
02011 sim soln
m pemberton

vial # 27

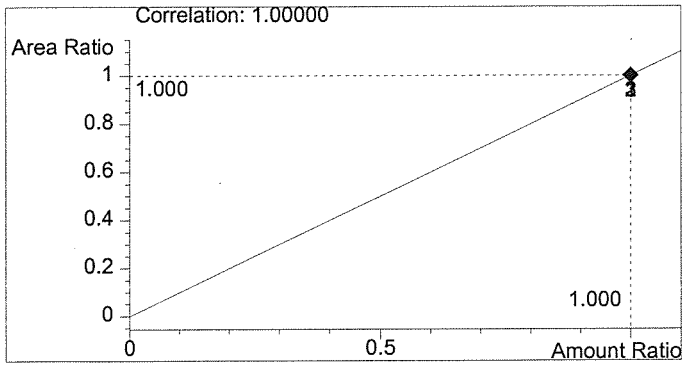


#	Compound	Area	RT
1	Ethanol	1687	1.044
2	n-Propanol	3729	1.703

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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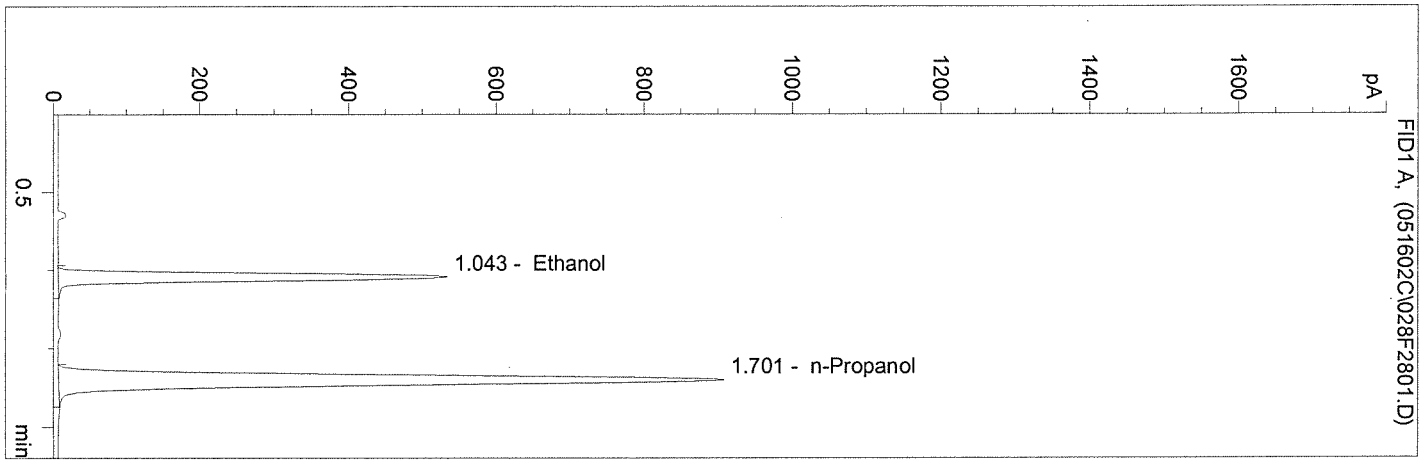
Instrument 1
DB-ALC1

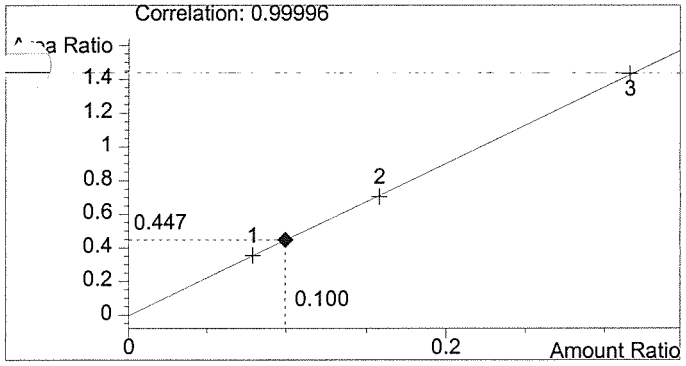
02011 sim soln
m pemberton

vial # 28

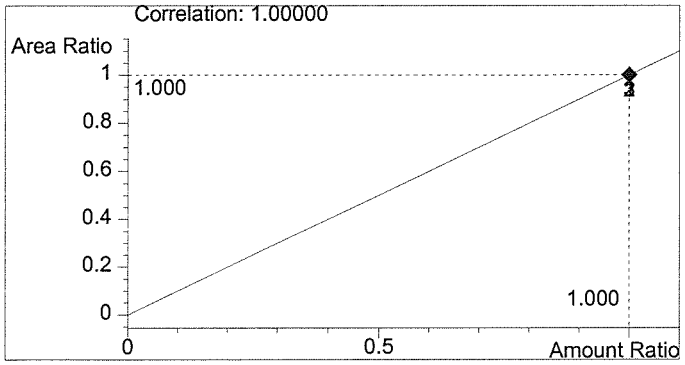


#	Compound	Area	RT
1	Ethanol	1743	1.043
2	n-Propanol	3902	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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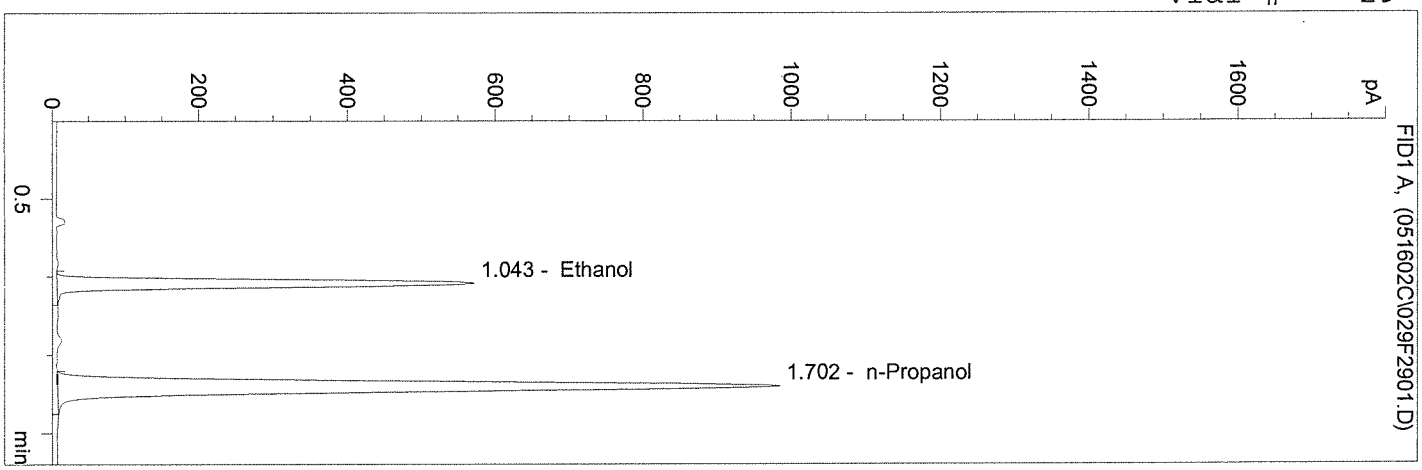
Instrument 1
DB-ALC1

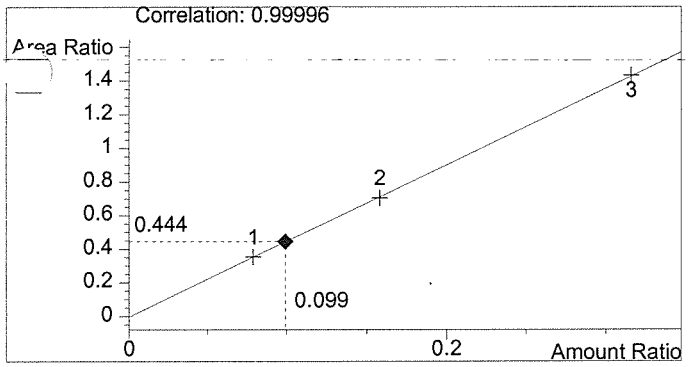
0.100 cap
m pemberton

vial # 29

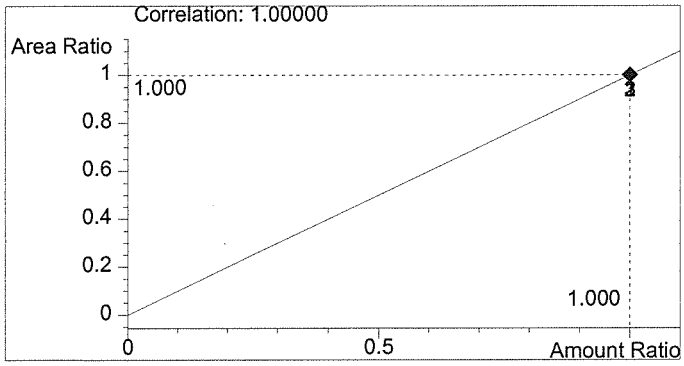


#	Compound	Area	RT
1	Ethanol	1888	1.043
2	n-Propanol	4248	1.702

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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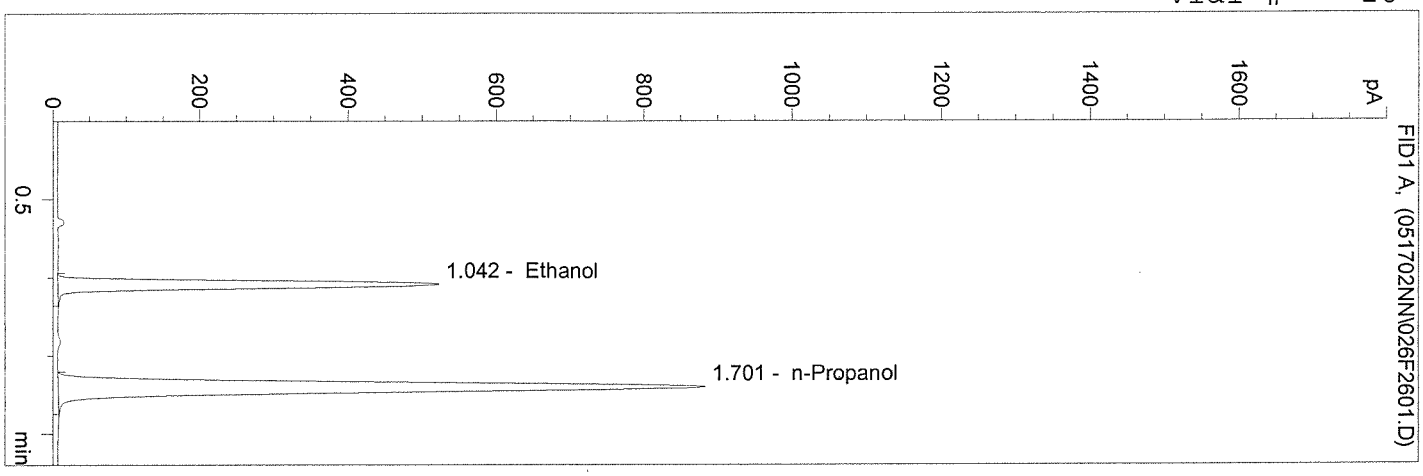
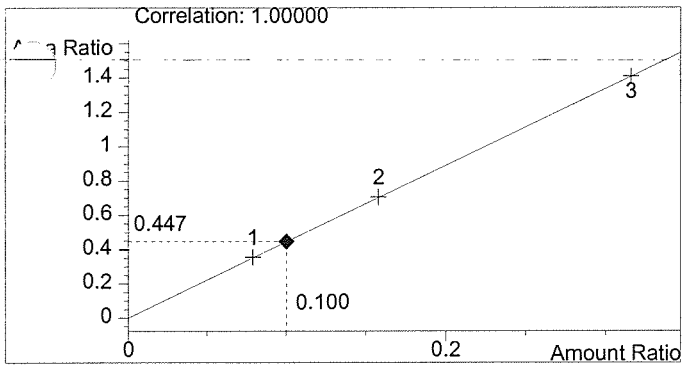
02011 SIM
Naziha Nuwayhid, PhD

vial # 26

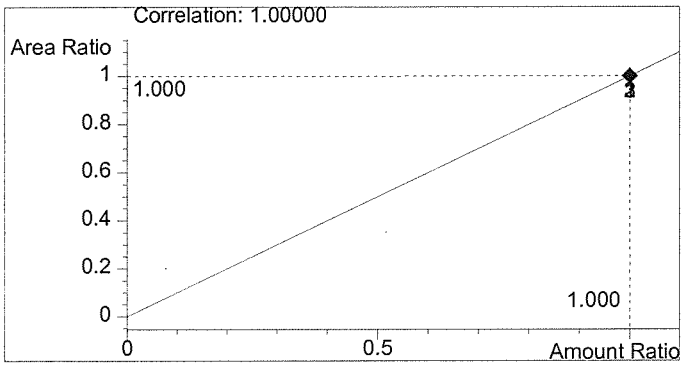


#	Compound	Area	RT
1	Ethanol	1694	1.042
2	n-Propanol	3788	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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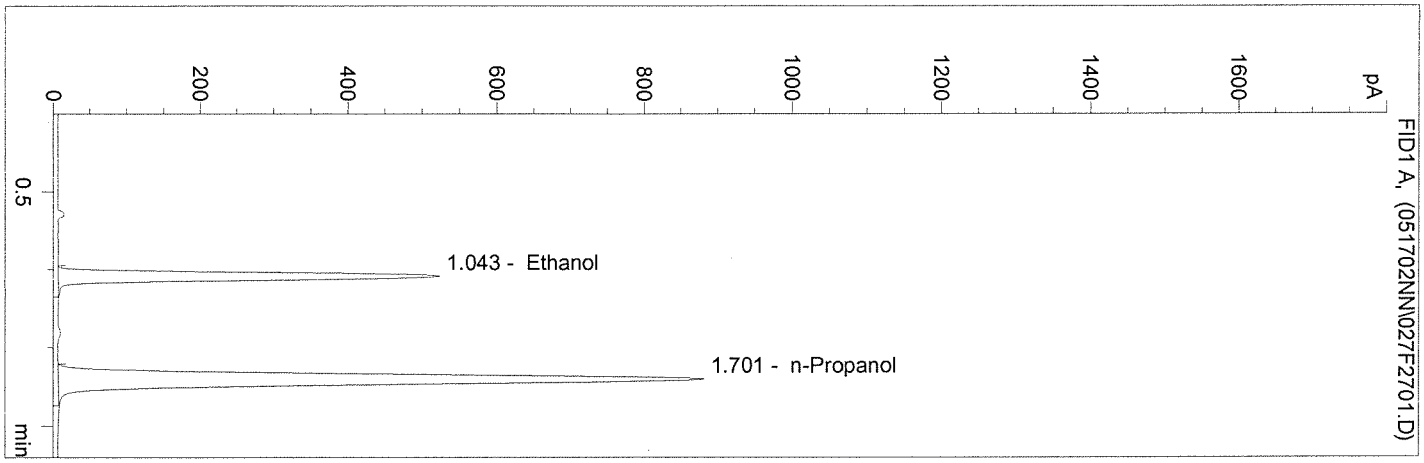
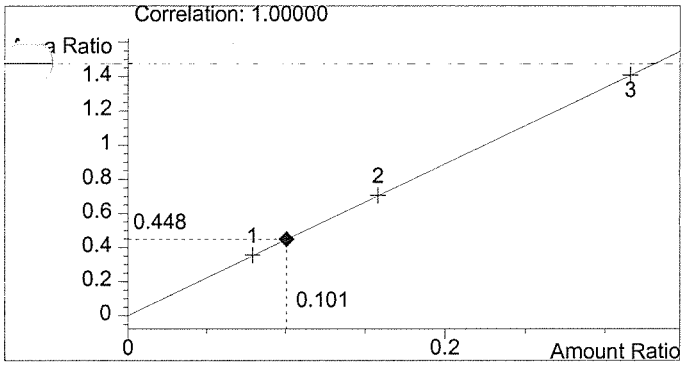
02011 SIM
Naziha Nuwayhid, PhD

vial # 27

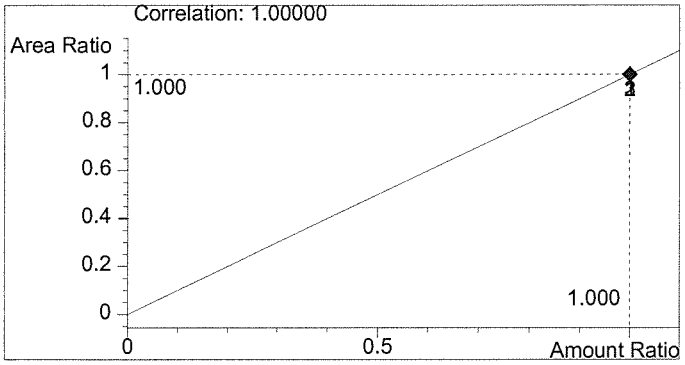


#	Compound	Area	RT
1	Ethanol	1700	1.043
2	n-Propanol	3791	1.701

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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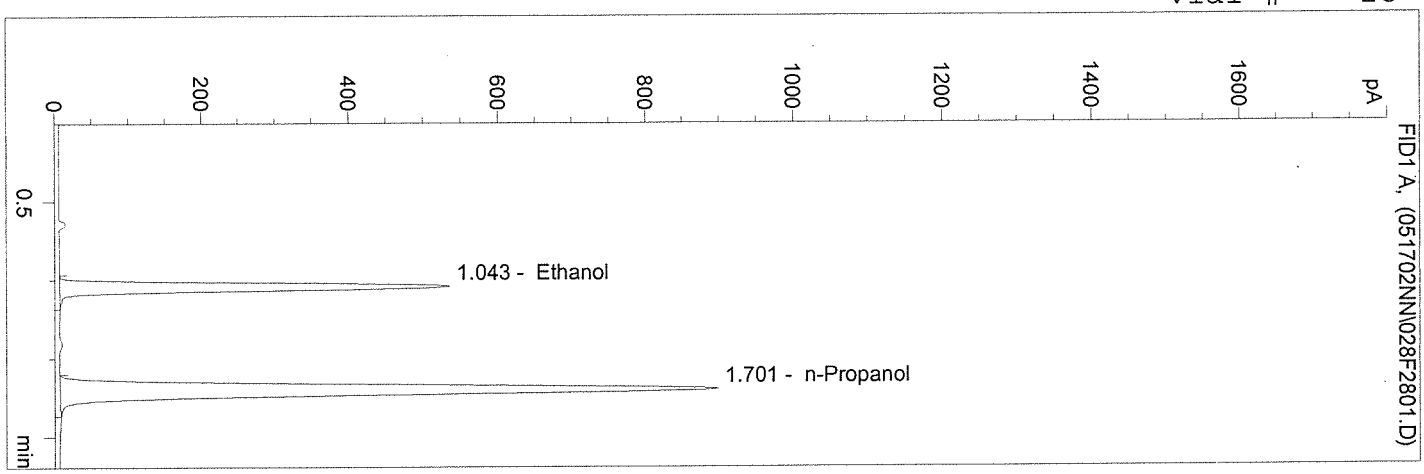
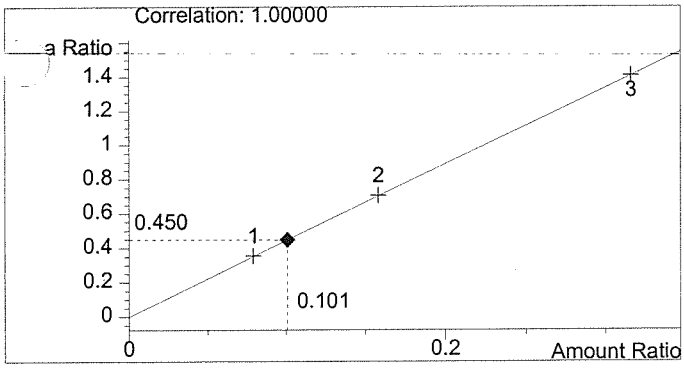
Naziha Nuwayhid, PhD

vial # 28

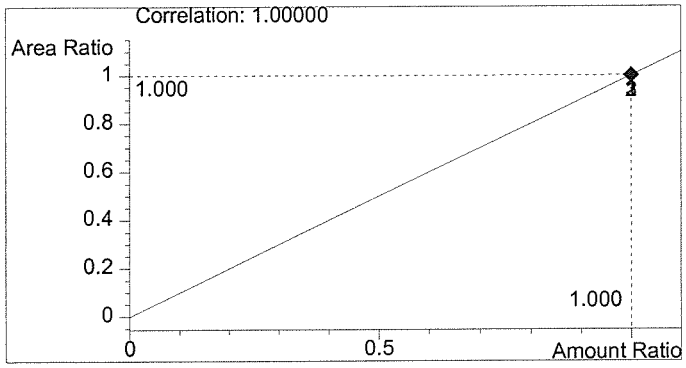


#	Compound	Area	RT
1	Ethanol	1730	1.043
2	n-Propanol	3846	1.701

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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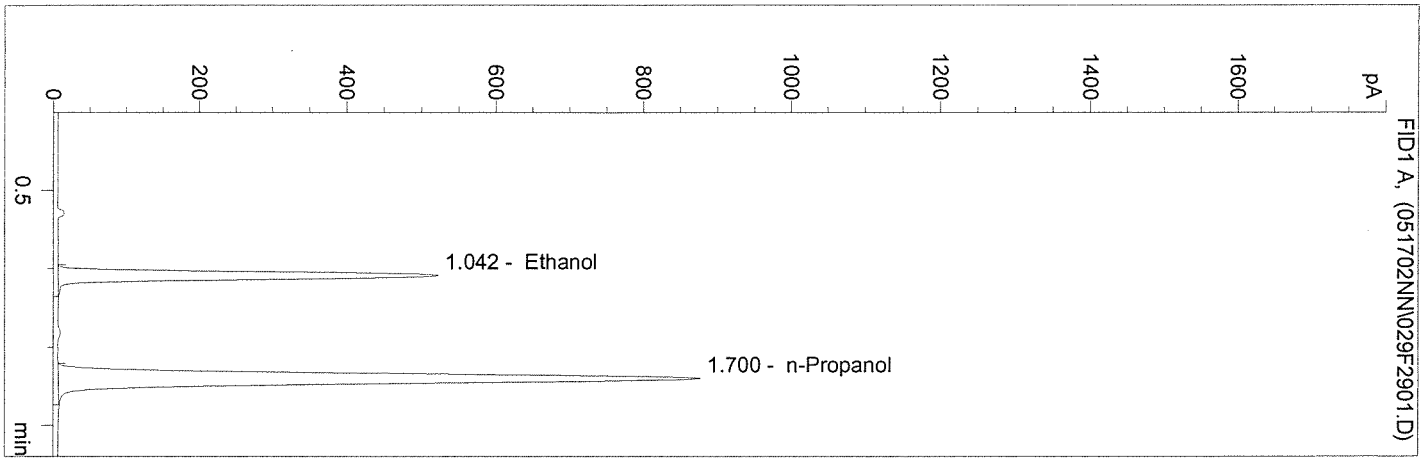
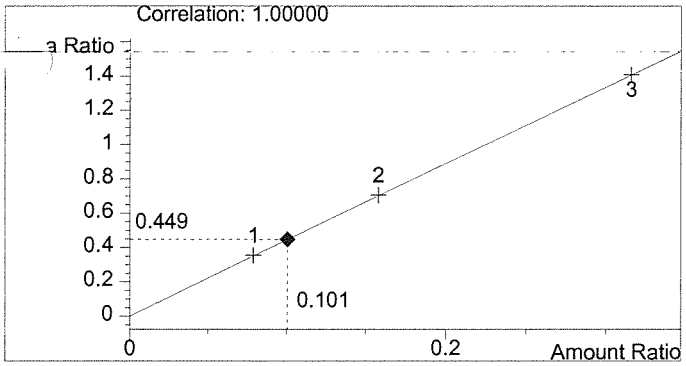
vial # 29

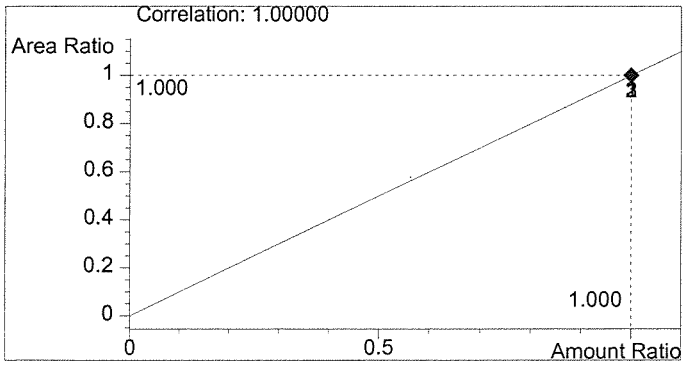


#	Compound	Area	RT
1	Ethanol	1685	1.042
2	n-Propanol	3755	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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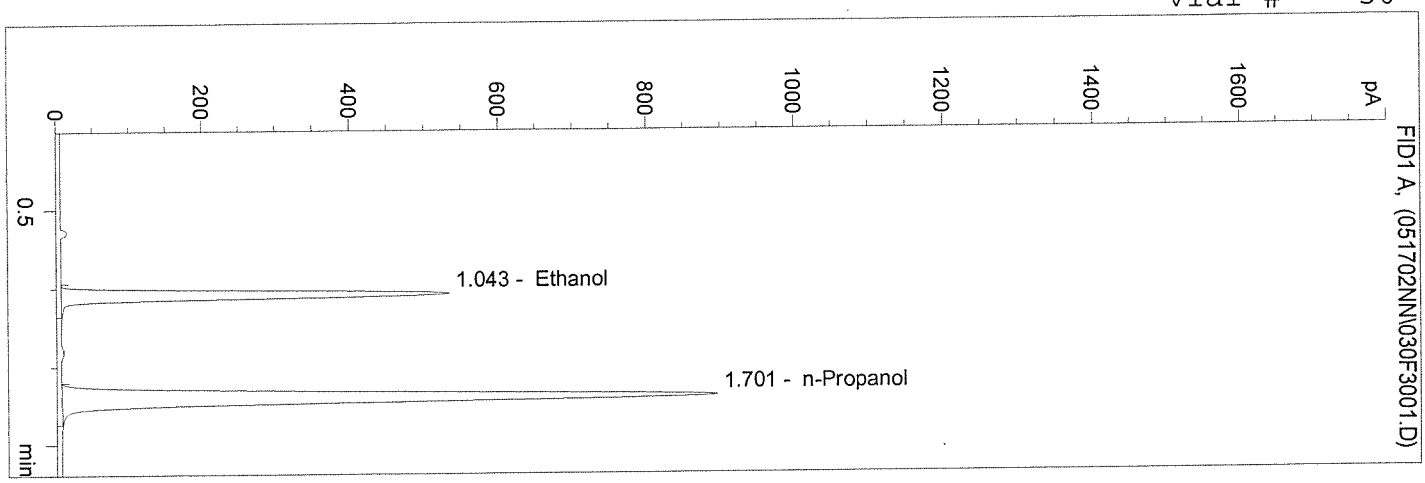
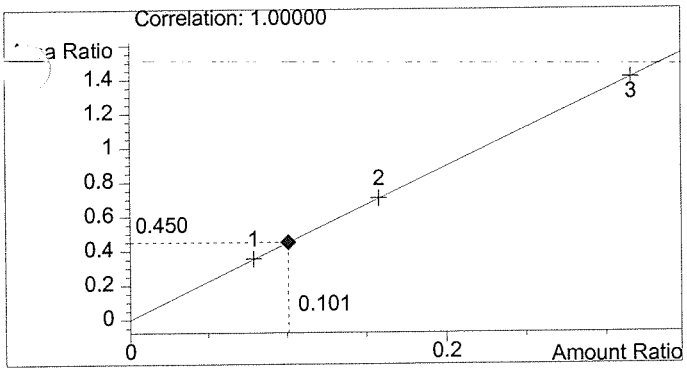
vial # 30

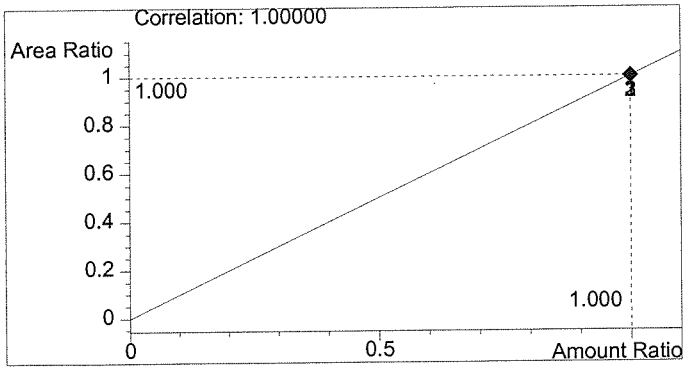


#	Compound	Area	RT
1	Ethanol	1727	1.043
2	n-Propanol	3834	1.701

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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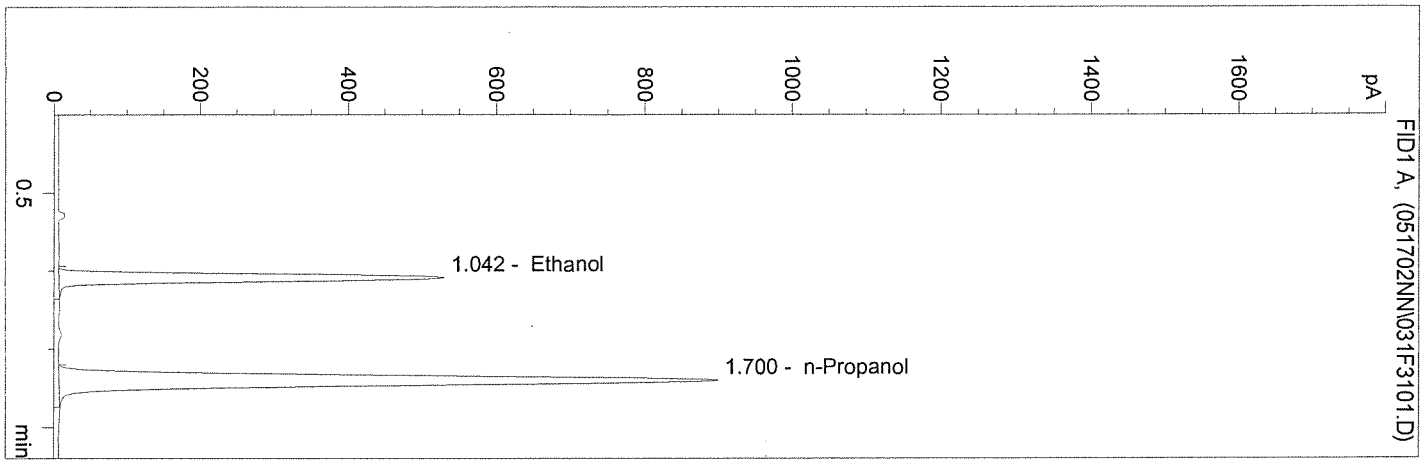
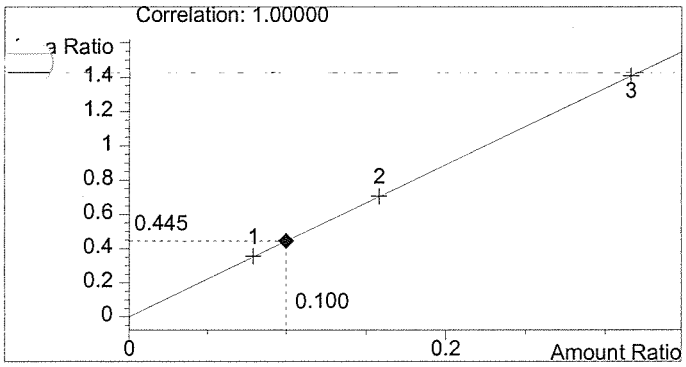
Naziha Nuwayhid, PhD

vial # 31

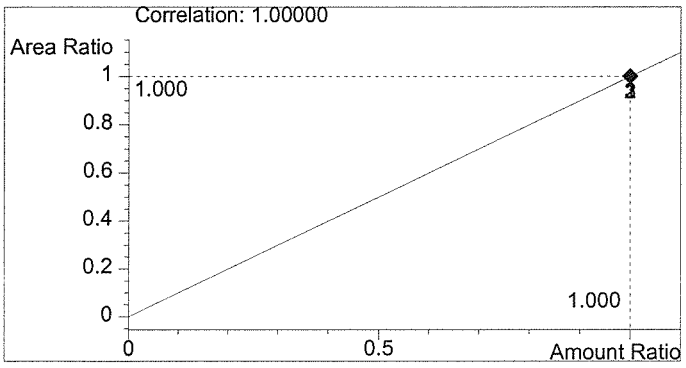


#	Compound	Area	RT
1	Ethanol	1712	1.042
2	n-Propanol	3847	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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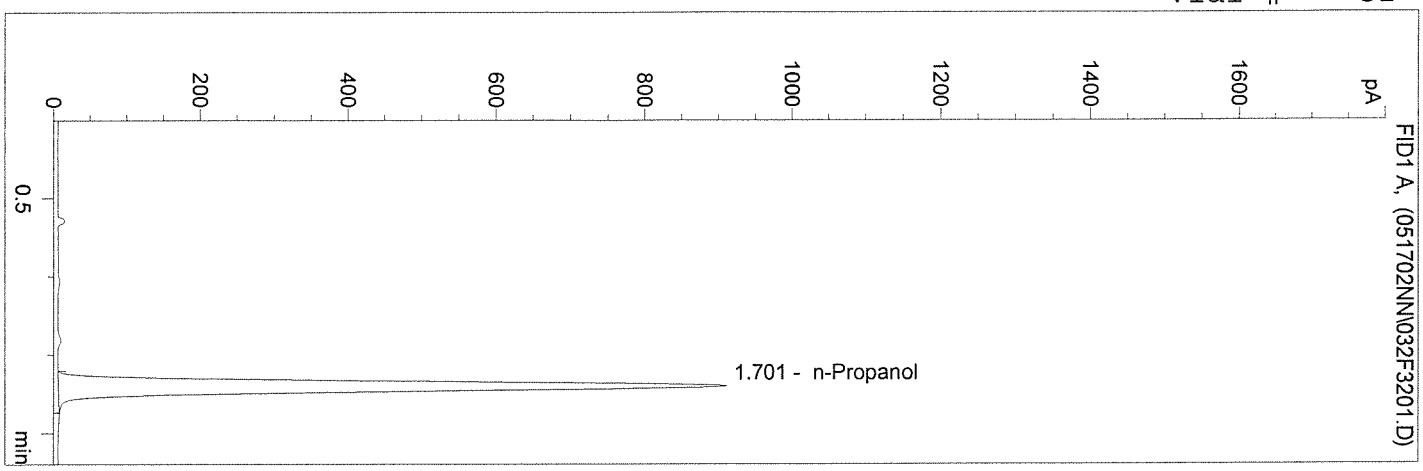
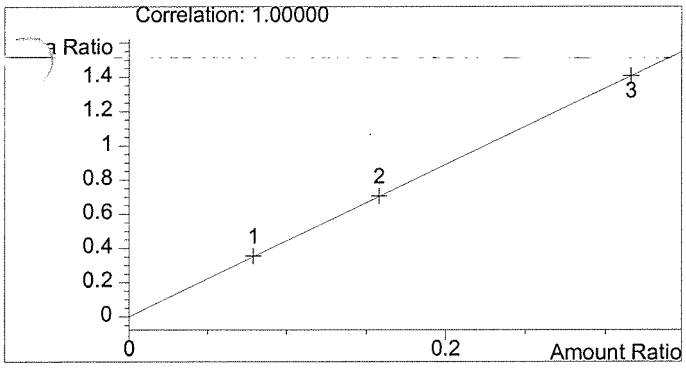
Naziha Nuwayhid, PhD

vial # 32

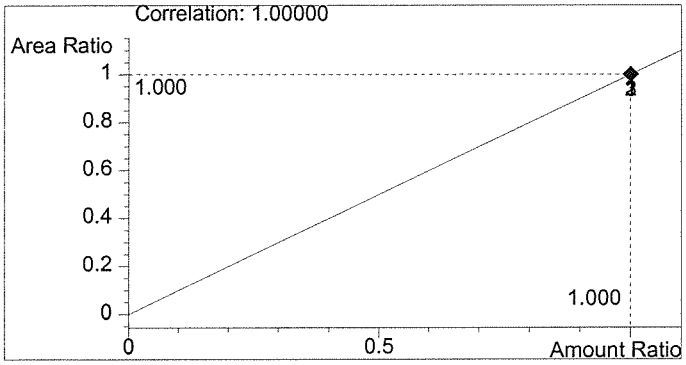


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3900	1.701

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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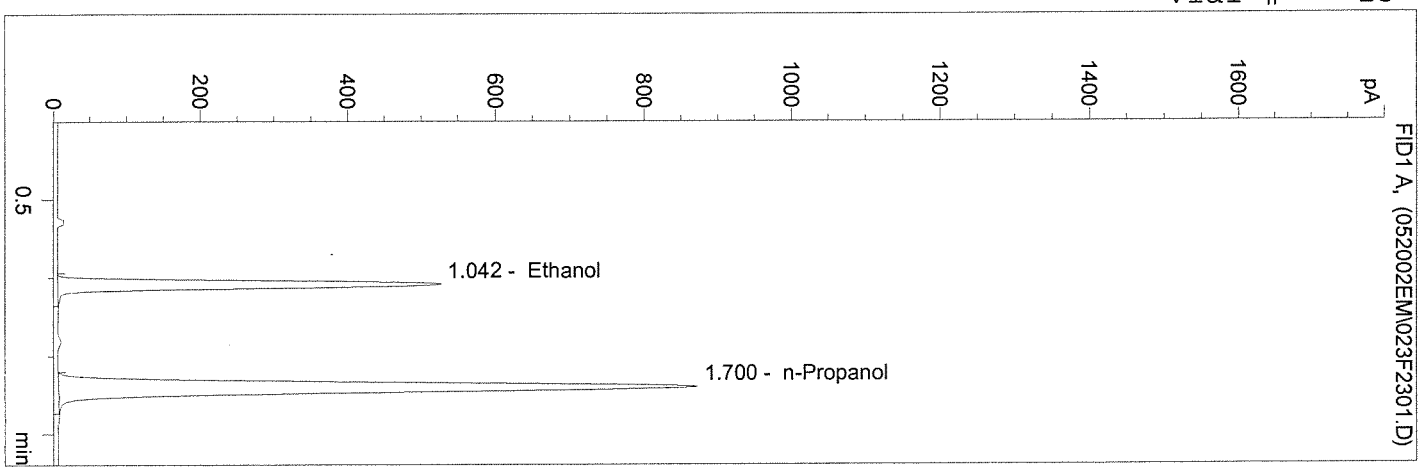
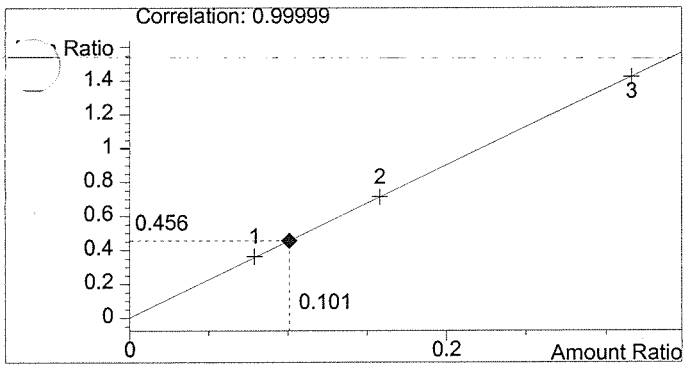
Sim. Sol. 02011
Estuardo J. Miranda

vial # 23

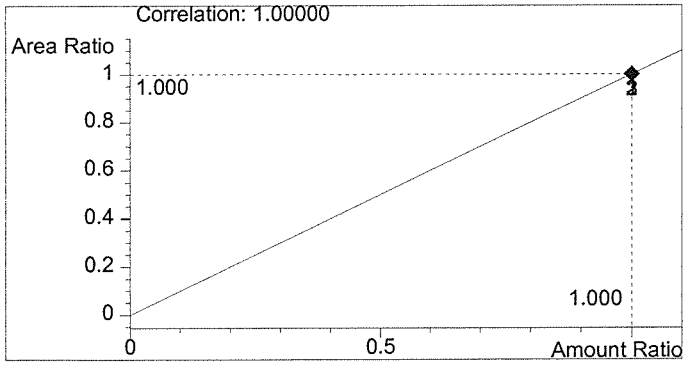


#	Compound	Area	RT
1	Ethanol	1695	1.042
2	n-Propanol	3715	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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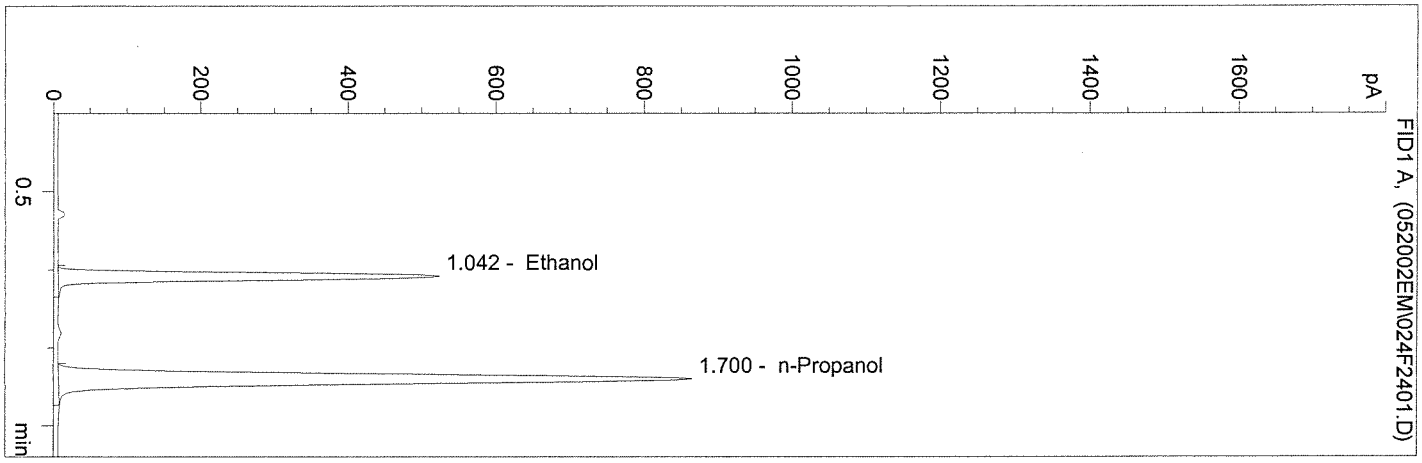
Instrument 1
BALC1

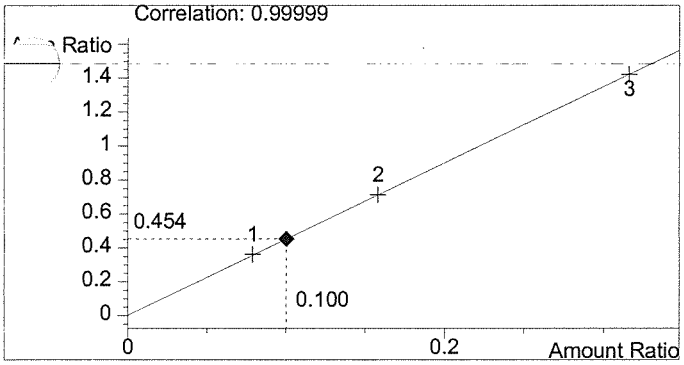
Sim. Sol. 02011
Estuardo J. Miranda

vial # 24

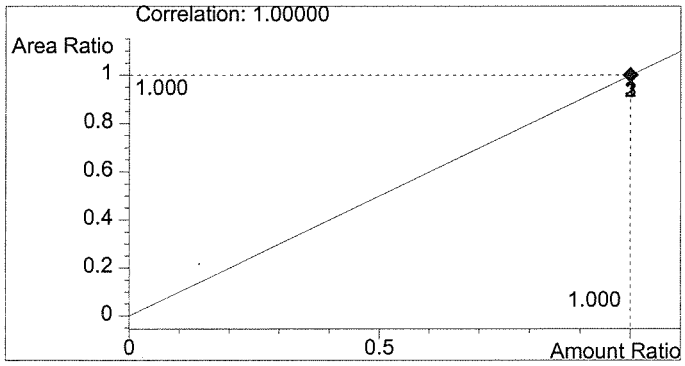


#	Compound	Area	RT
1	Ethanol	1679	1.042
2	n-Propanol	3695	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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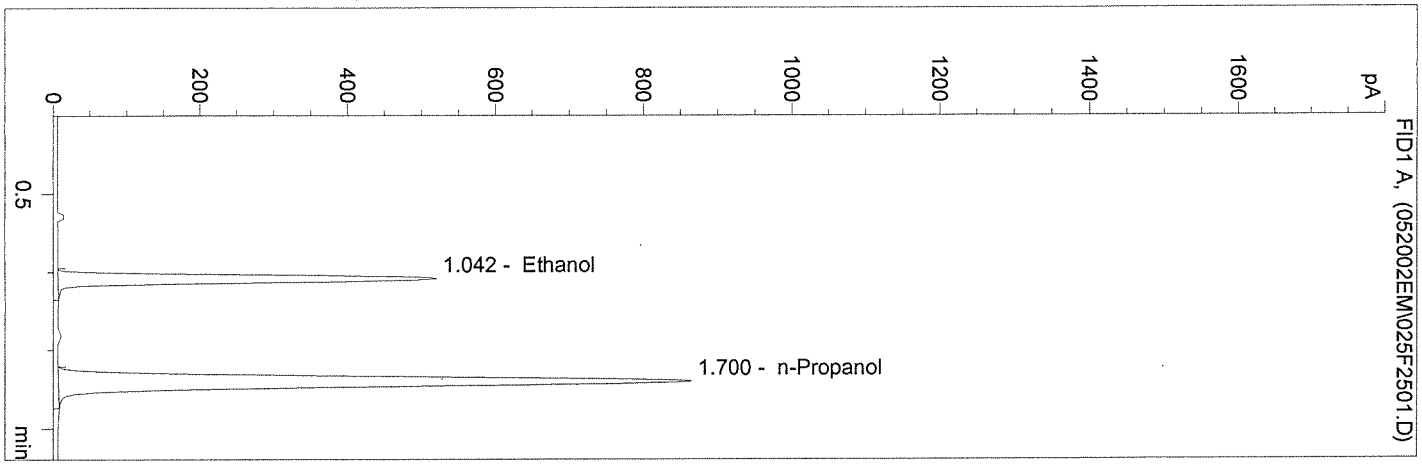
Instrument 1
ALC1

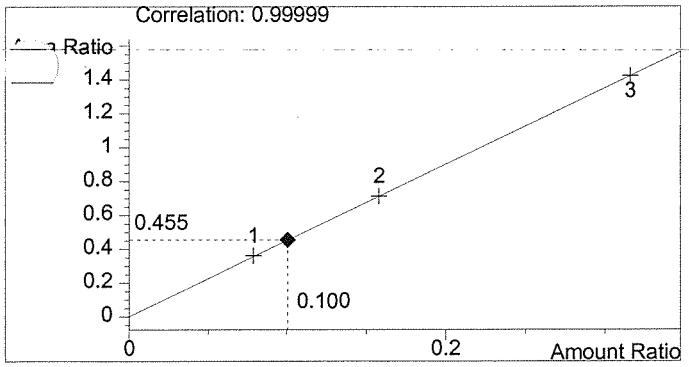
Sim. Sol. 02011
Estuardo J. Miranda

vial # 25

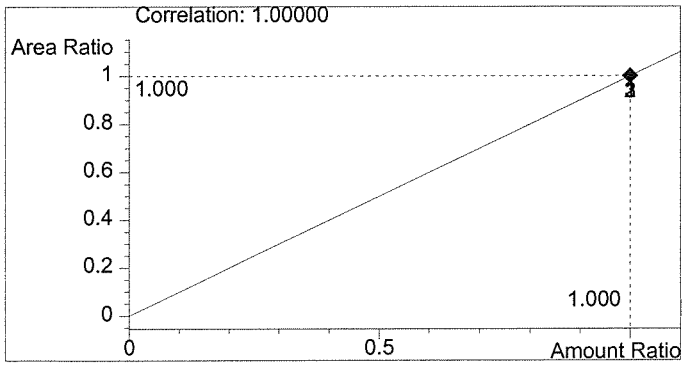


#	Compound	Area	RT
1	Ethanol	1682	1.042
2	n-Propanol	3697	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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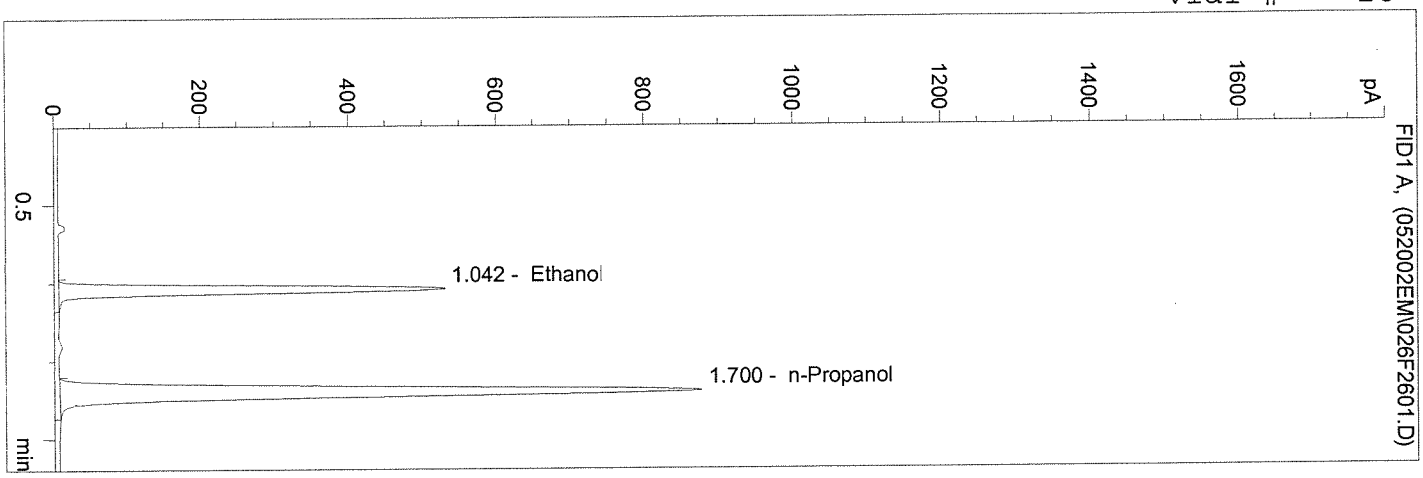
Instrument 1
BALC1

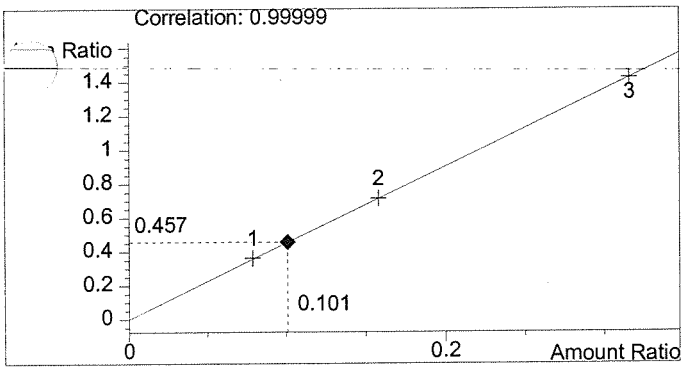
Sim. Sol. 02011
Estuardo J. Miranda

vial # 26

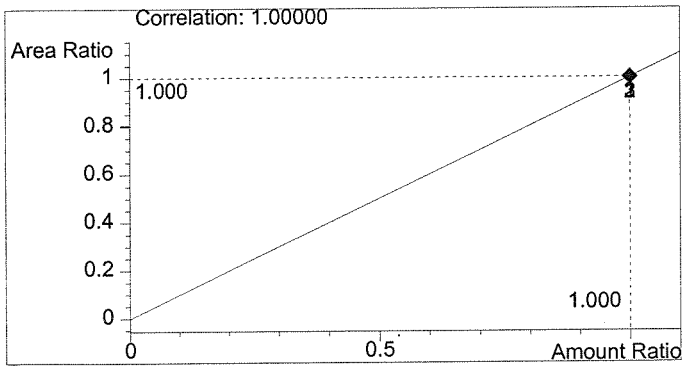


#	Compound	Area	RT
1	Ethanol	1717	1.042
2	n-Propanol	3755	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
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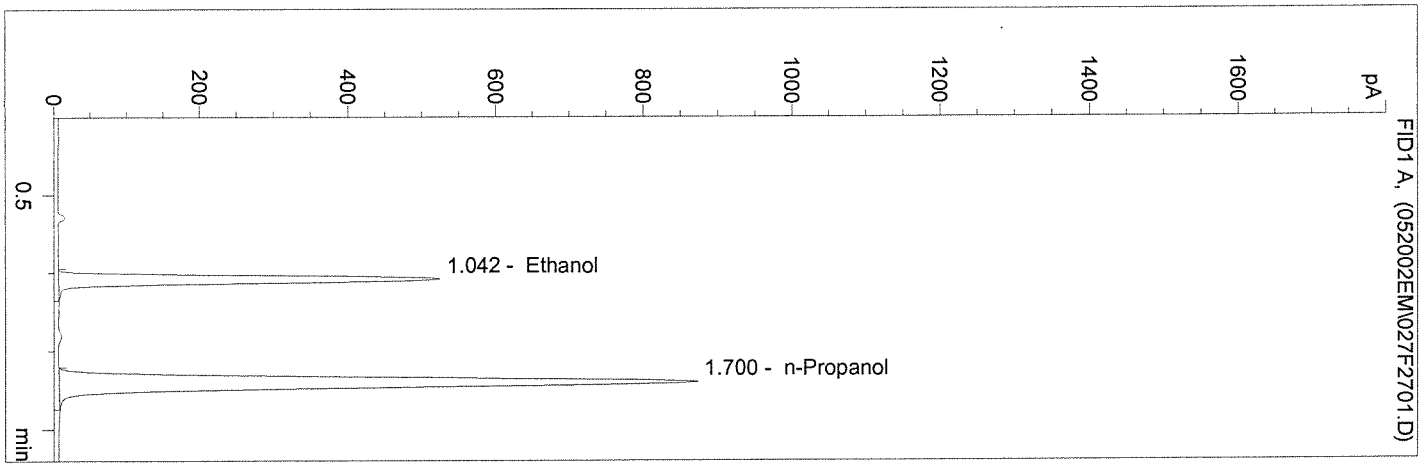
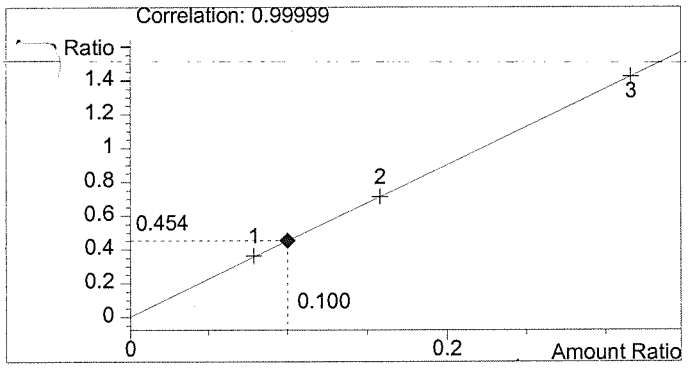
Sim. Sol. 02011
Estuardo J. Miranda

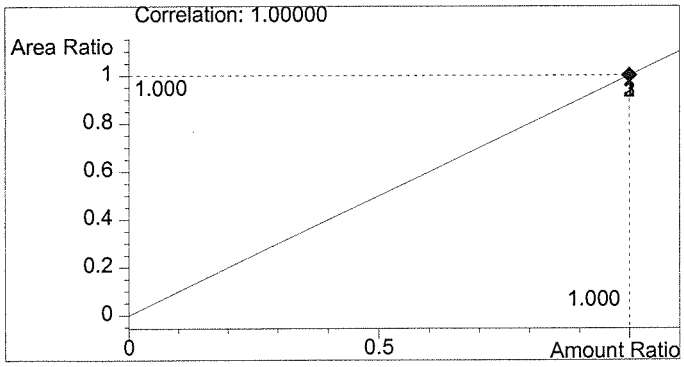
vial # 27



#	Compound	Area	RT
1	Ethanol	1691	1.042
2	n-Propanol	3727	1.700
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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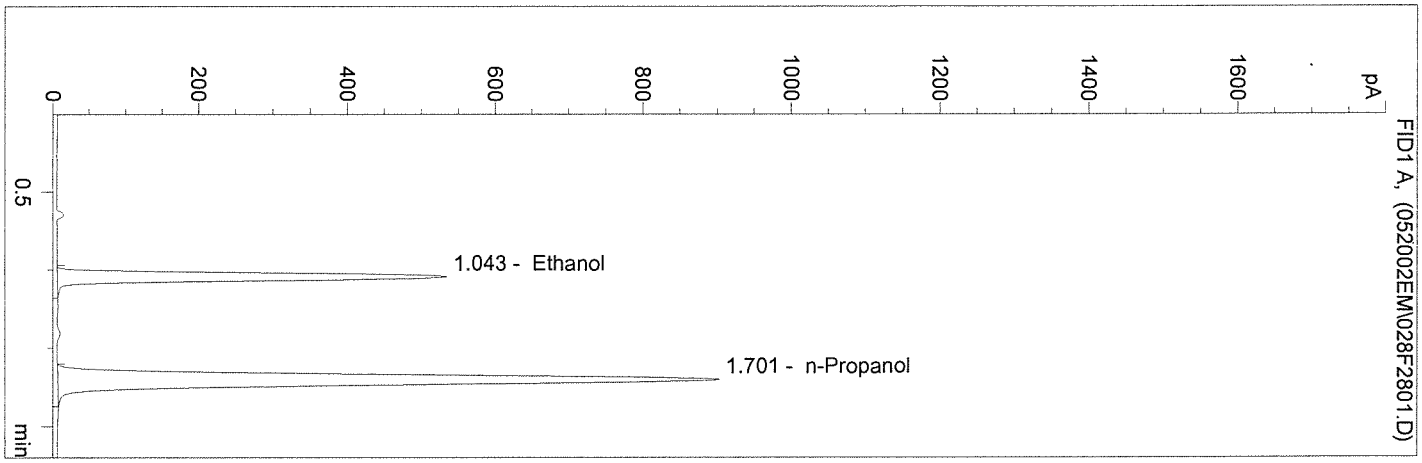
Instrument 1
ALC1

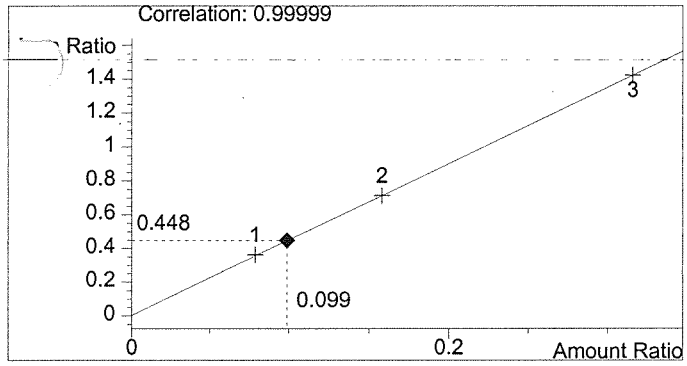
0.100 Control
Estuardo J. Miranda

vial # 28

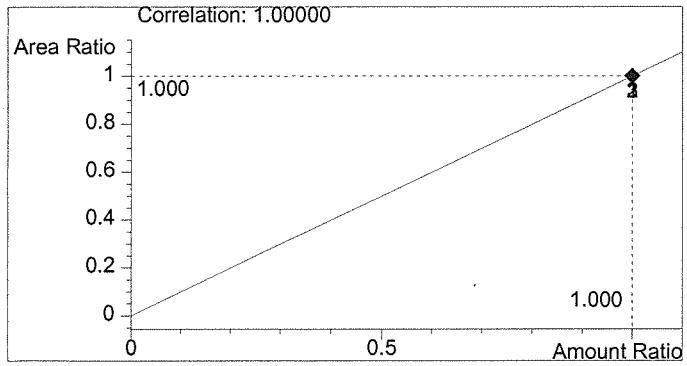


#	Compound	Area	RT
1	Ethanol	1737	1.043
2	n-Propanol	3874	1.701

Totals:



Ethanol 0.099 g/100ml



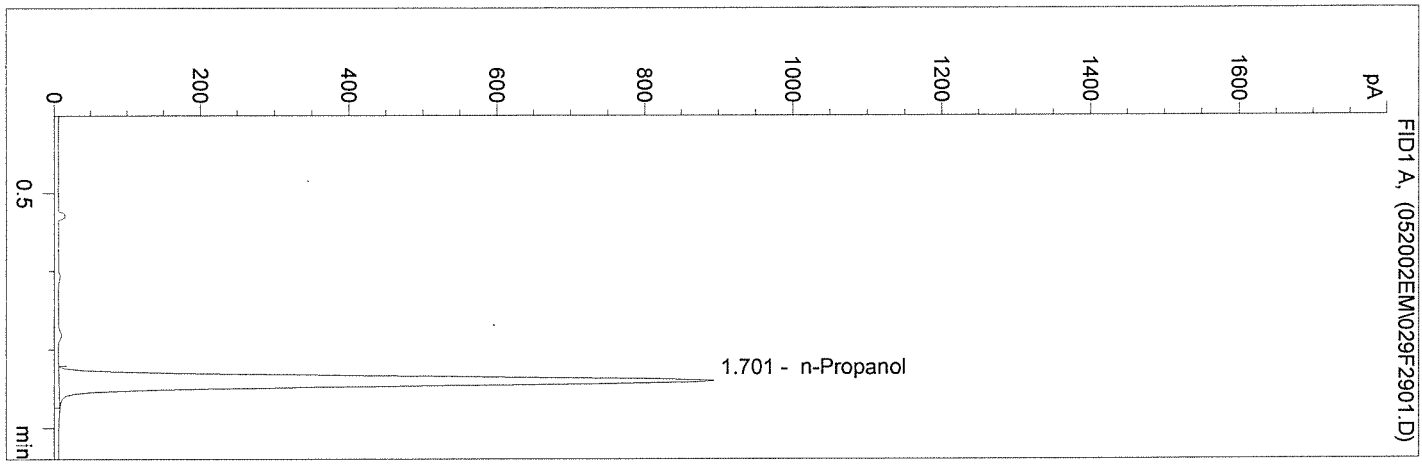
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
5/20/02 12:07:06 PM
Instrument 1
ALC1

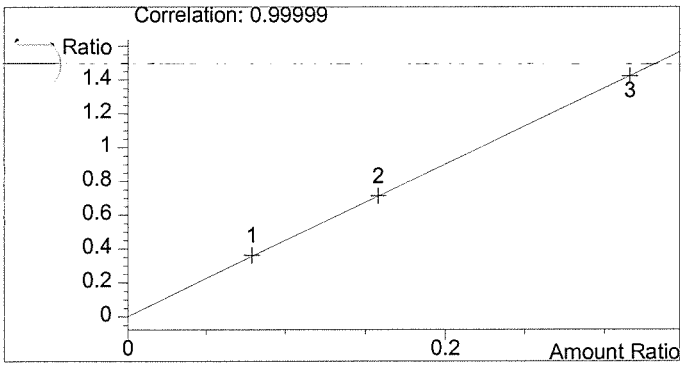
BLANK
Estuardo J. Miranda

vial # 29

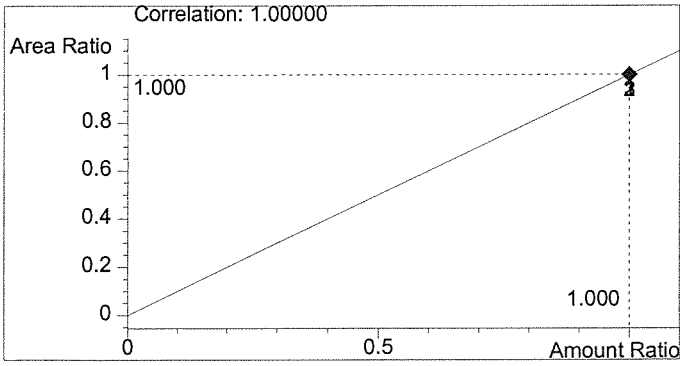


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3830	1.701

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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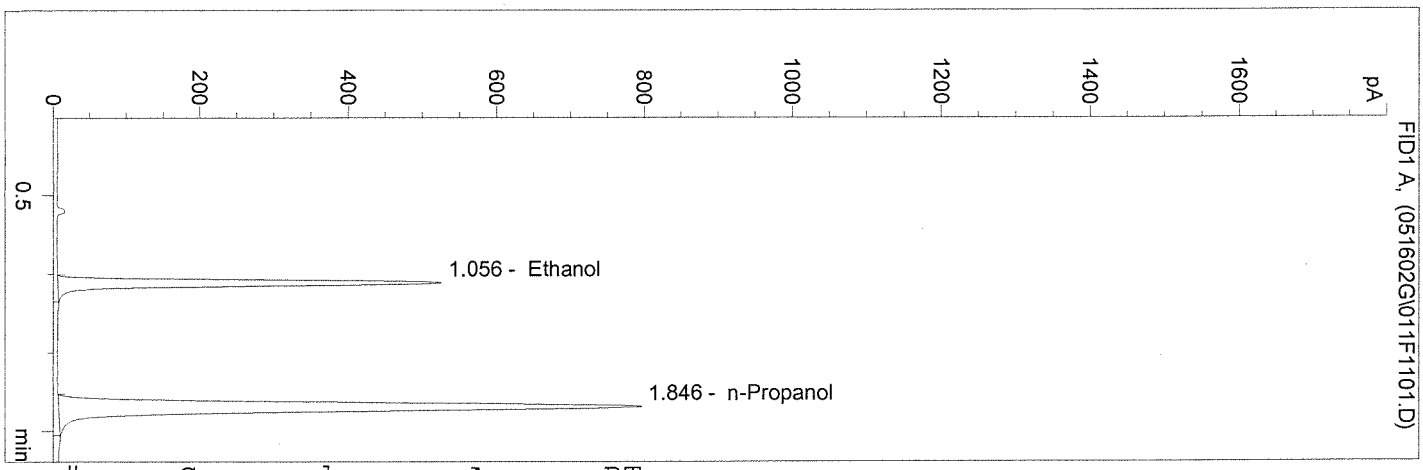
Instrument 2
-ALC1

Cal in 2834

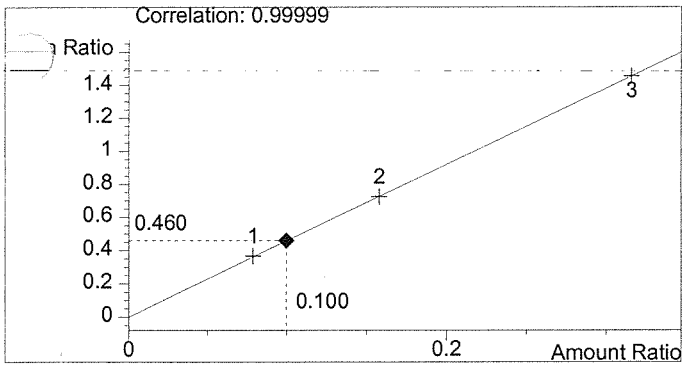
SIM SOLN 022011
Gene Schwilke

vial # 11

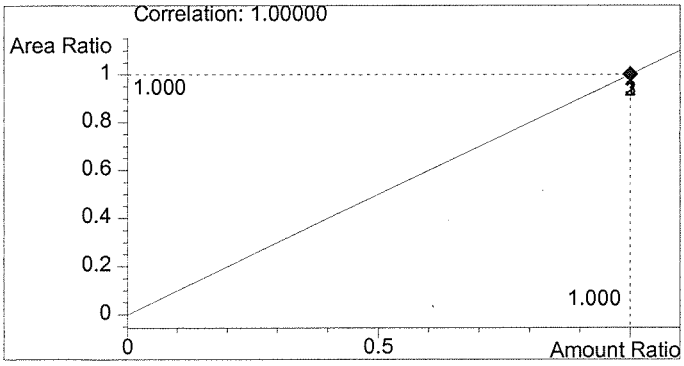


#	Compound	Area	RT
1	Ethanol	1394	1.056
2	n-Propanol	3031	1.846

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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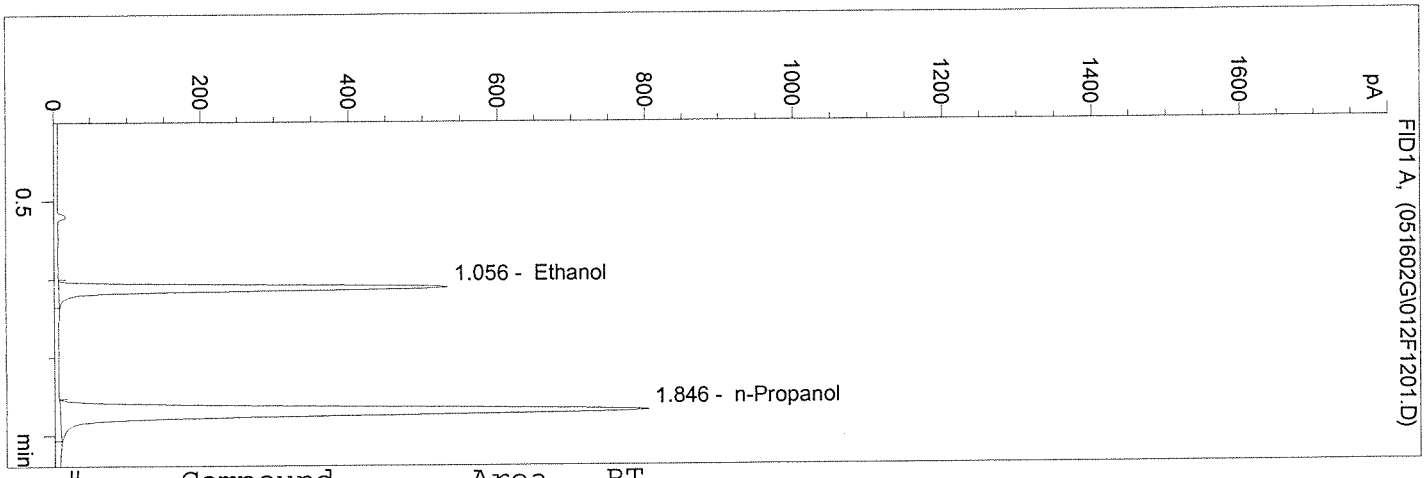
Instrument 2
-ALC1

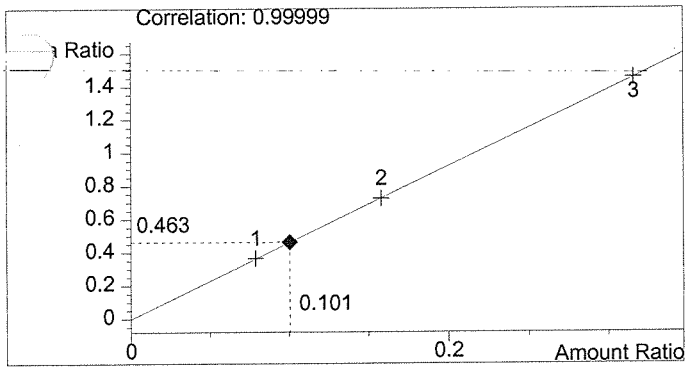
SIM SOLN 022011
Gene Schwilke

vial # 12

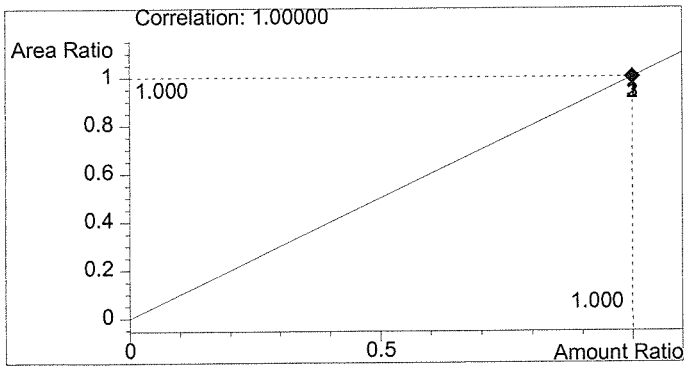


#	Compound	Area	RT
1	Ethanol	1418	1.056
2	n-Propanol	3061	1.846

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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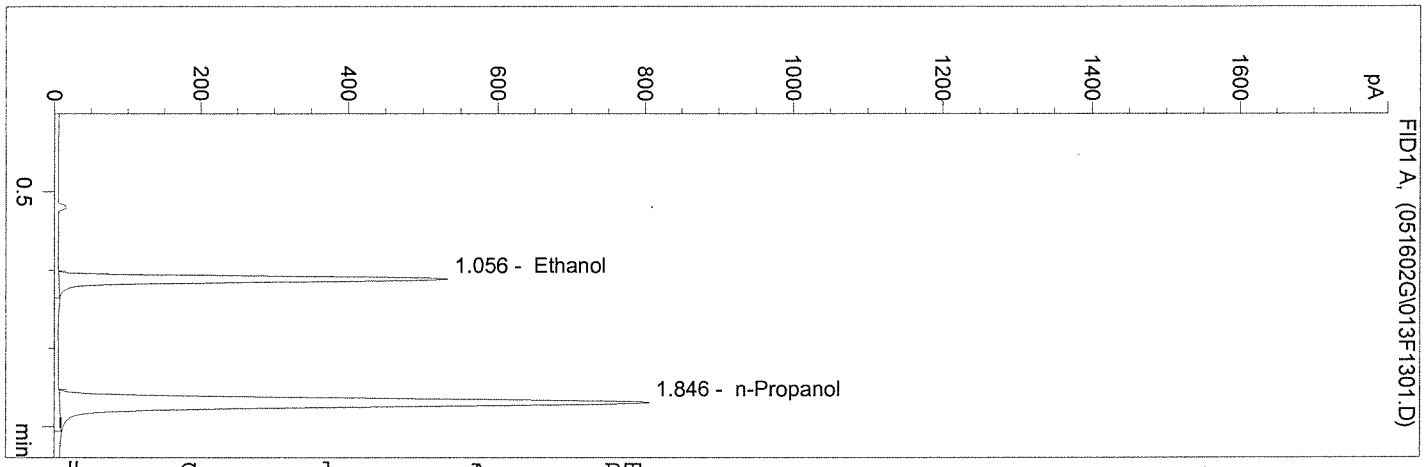
Instrument 2
-ALC1

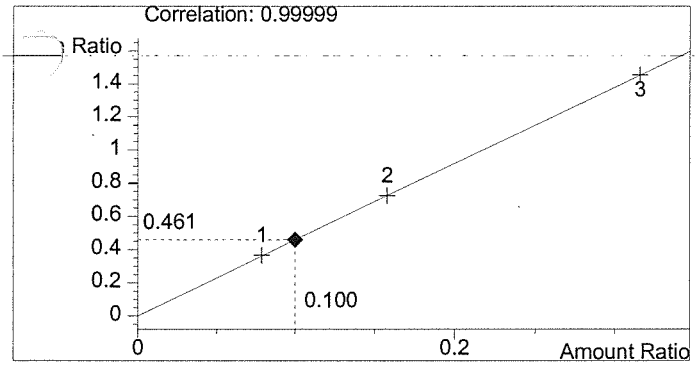
SIM SOLN 022011
Gene Schwilke

vial # 13

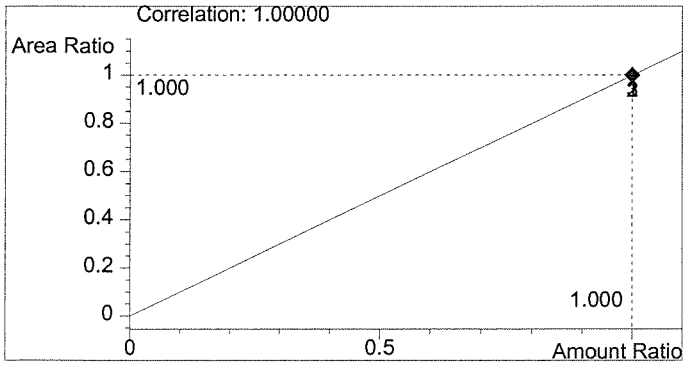


#	Compound	Area	RT
1	Ethanol	1413	1.056
2	n-Propanol	3066	1.846

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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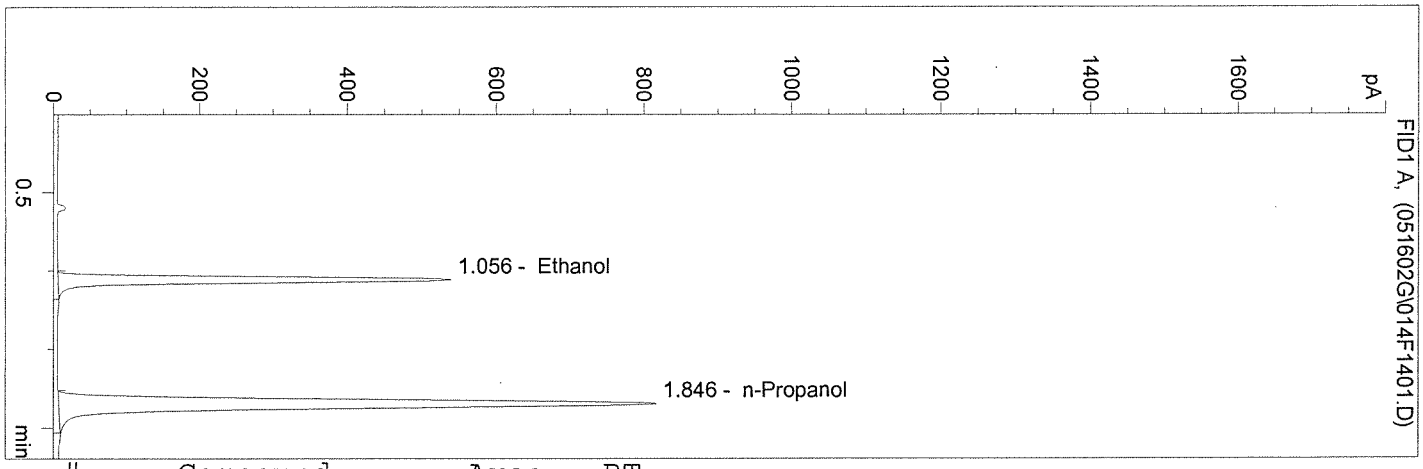
Instrument 2
T -ALC1

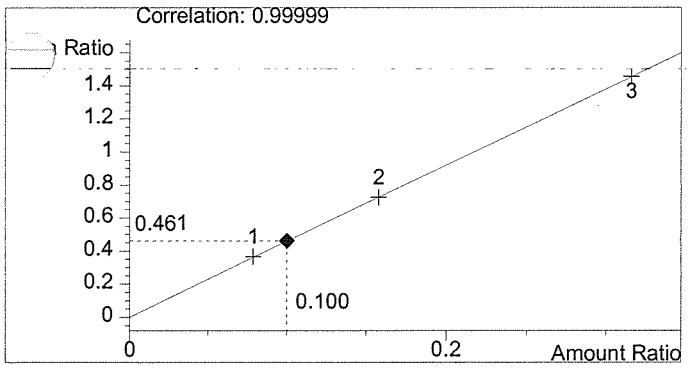
SIM SOLN 022011
Gene Schwilke

vial # 14

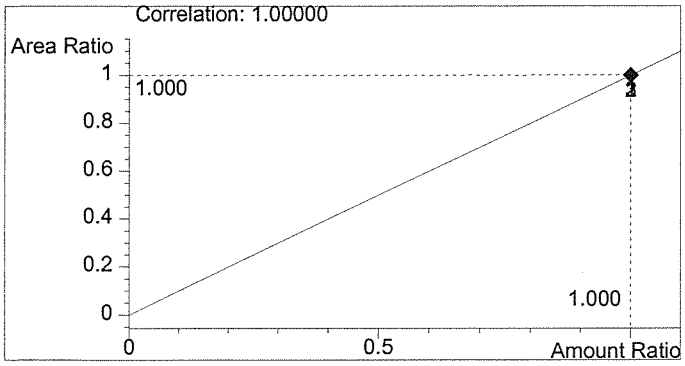


#	Compound	Area	RT
1	Ethanol	1437	1.056
2	n-Propanol	3116	1.846

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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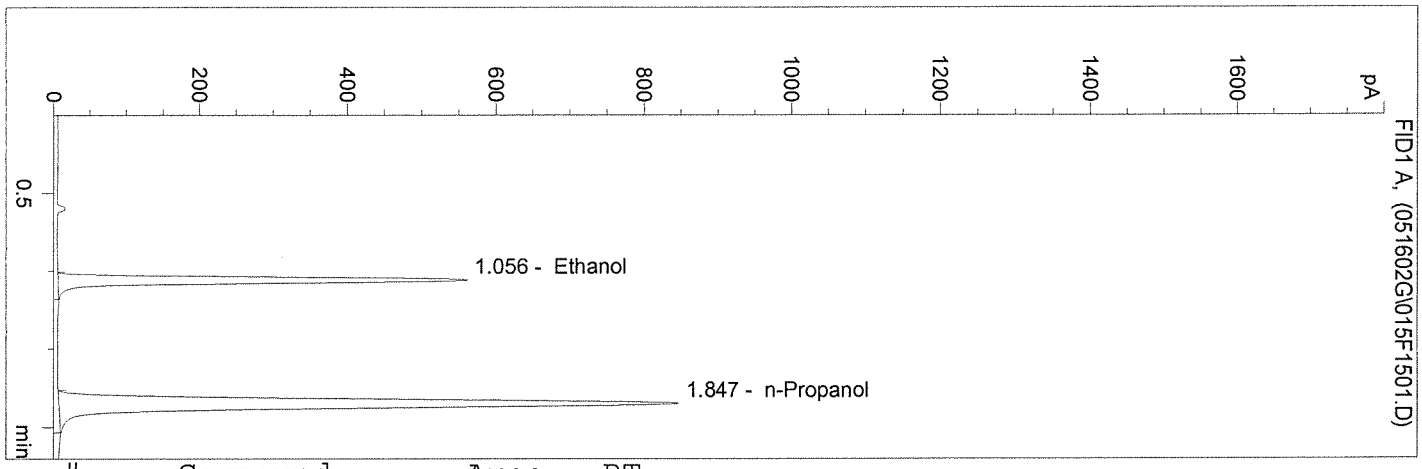
Instrument 2
-ALC1

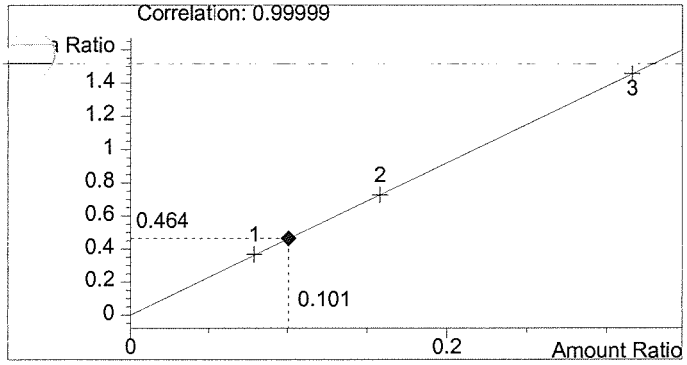
SIM SOLN 022011
Gene Schwilke

vial # 15

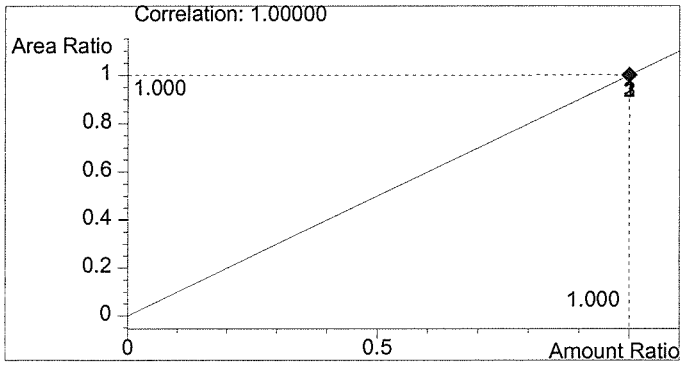


#	Compound	Area	RT
1	Ethanol	1496	1.056
2	n-Propanol	3226	1.847

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
-ALC1

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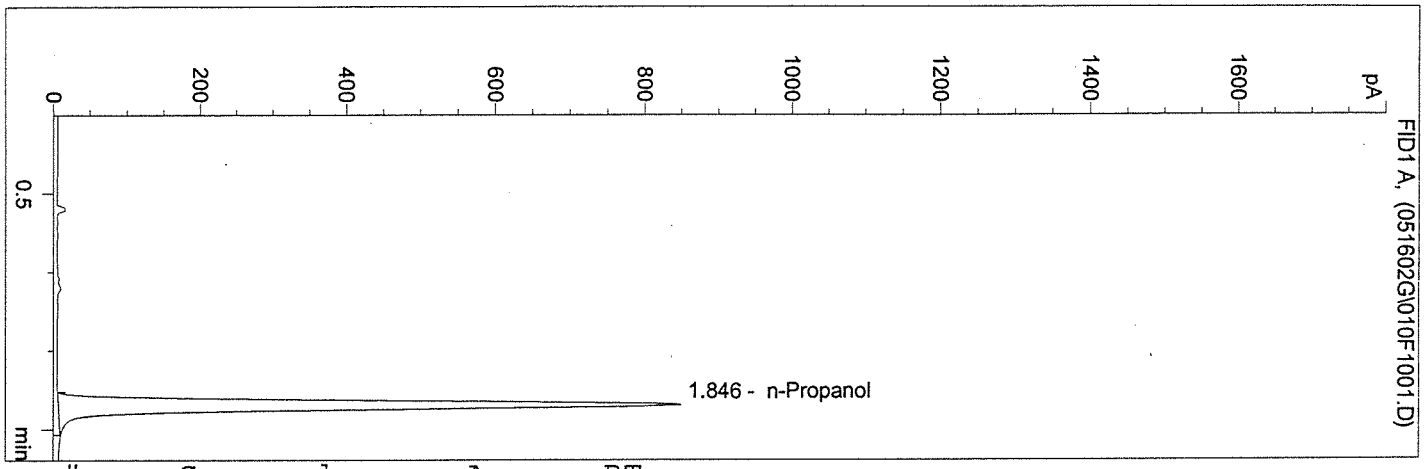
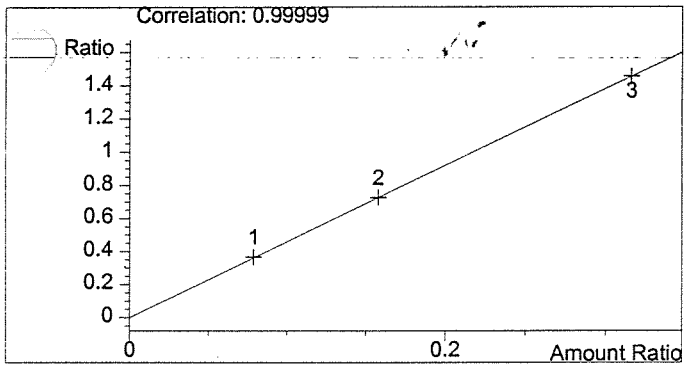
Gene Schwilke

vial # 10

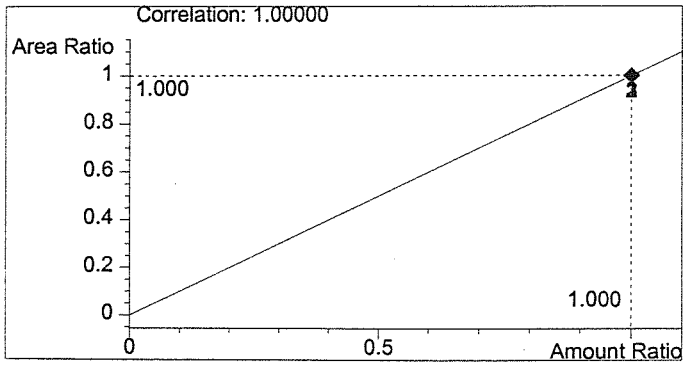


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3238	1.846

Totals:



Ethanol 0.000 g/100ml



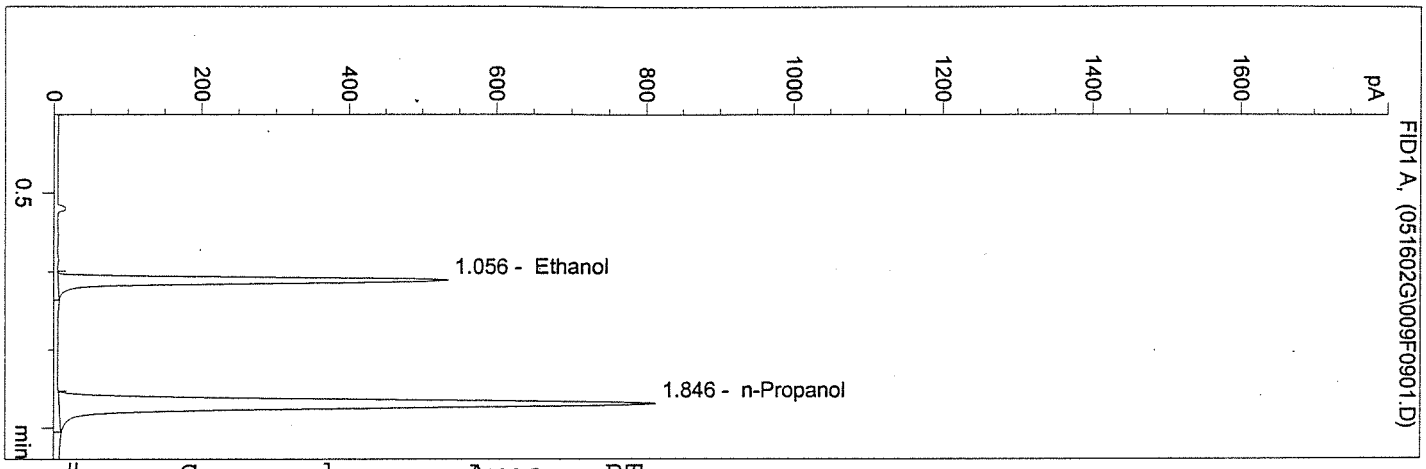
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

PCHEM\2\METHODS\BLDALCO2.M
16/02 5:43:08 PM
Instrument 2
ALC1

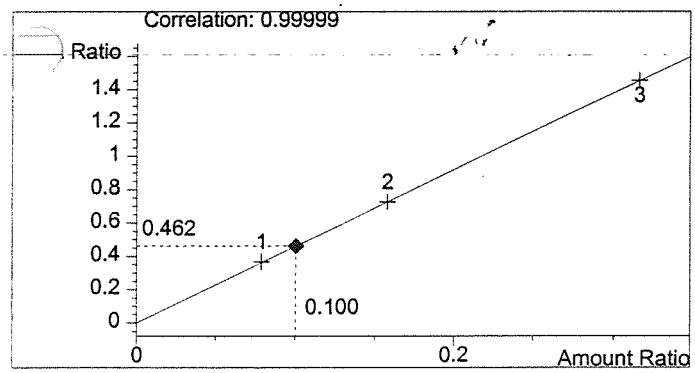
CAP 0.100
Gene Schwilke

vial # 9

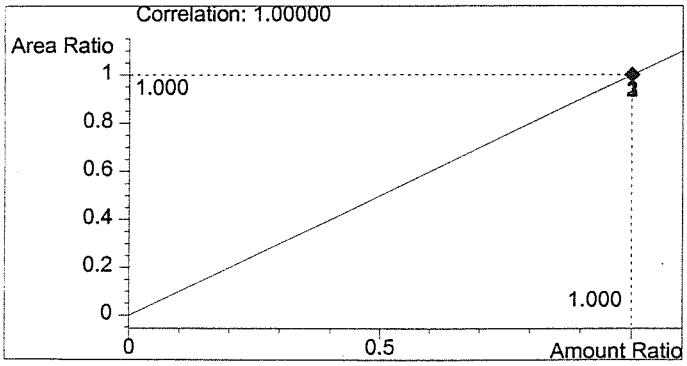


#	Compound	Area	RT
1	Ethanol	1425	1.056
2	n-Propanol	3085	1.846

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml