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 **03027** Date: 8/12/2003

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	0.102	0.102	0.102	0.101	0.102	0.102	0.102	0.096	0.102	0.101		
2	0.102	0.102	0.101	0.101	0.102	0.101	0.103	0.097	0.102	0.101		
3	0.102	0.102	0.103	0.101	0.102	0.102	0.103	0.097	0.102	0.101		
4	0.102	0.102	0.102	0.102	0.102	0.102	0.104	0.097	0.102	0.102		
5	0.102	0.102	0.102	0.102	0.101	0.101	0.104	0.097	0.101	0.101		
Ctrl	0.099	0.099	0.098	0.100	0.099	0.098	0.100	0.100	0.100	0.099		

External Control:

Lot #: A022167 Exp date: 01/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1014 g/100 mL

SD: 0.00170

Range (3xSD): 0.0963 to 0.1065

Precision CV (%): 1.6809 %

Equivalent vapor concent.: 0.0824 g/210L

Analyst	Name	Signature	Date
1	William P Marshall		08/13/03
2	Melissa Pemberton		08/14/03
3	Jayne E. Thatcher		08/15/03
4	Edward Formoso		08/18/03
5	Ann Marie Gordon		08/18/03
6	Mary E. Wilson		08/20/03
7	Estuardo J. Miranda		08/21/03
8	Dorota B Schranz, PhD		08/28/03
9	Asa Louis		08/29/03
10	Naziha Nuwayhid, PhD		09/09/03
11			
12			

Prepared by: William P Marshall 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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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, 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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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, 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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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, 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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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, 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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

Dated: 9/23/03
Seattle, WA

Dorota Schranz, Ph.D.
Forensic Toxicology Technical Lead

DS/bf
DSSIMSOL

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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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

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, 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 03027, was prepared in the Washington State Toxicology Laboratory on 8/12/03. 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 8/12/04.

Dated: 9/23/03
Seattle, WA

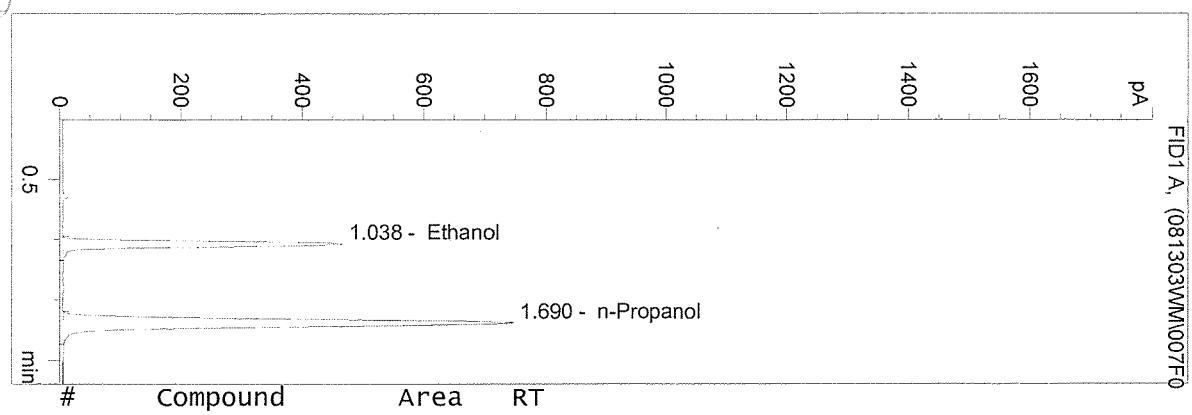
Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/bf
NNSIMSOL

C:\HPCHEM\2\METHODS\BLDALCO2.M
8/13/03 1:45:54 PM
Instrument 2
ALC1

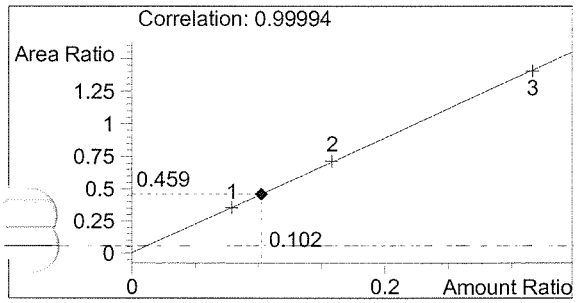
SIM 03027
WP MARSHALL

vial # 7

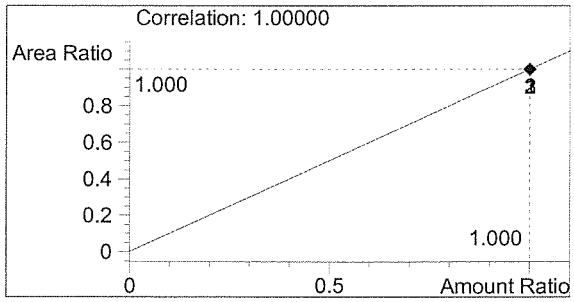


#	Compound	Area	RT
1	Ethanol	1439	1.038
2	n-Propanol	3135	1.690

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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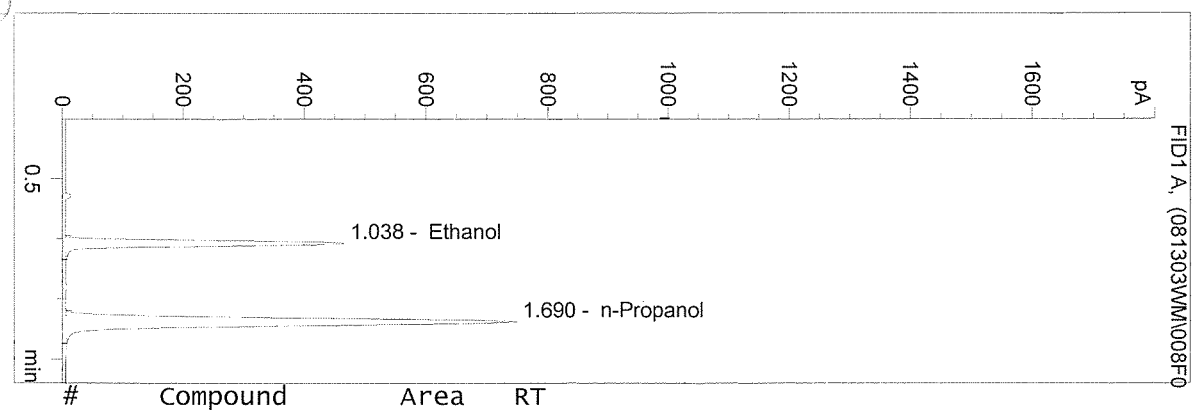
8/13/03 1:48:56 PM
Instrument 2
ALC1

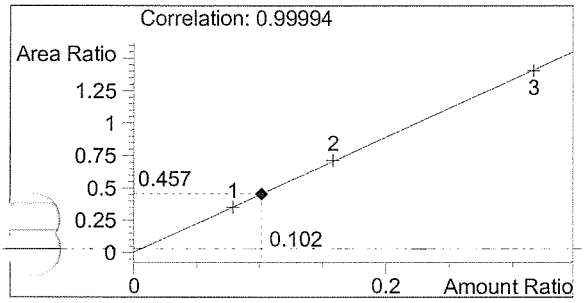
SIM 03027
WP MARSHALL

vial # 8

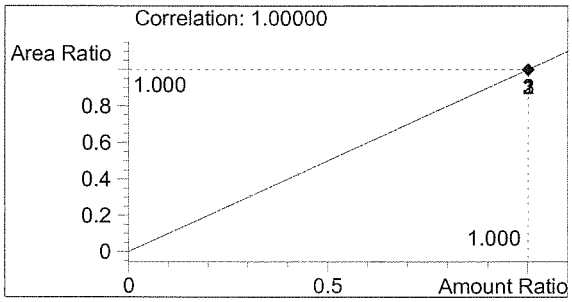


#	Compound	Area	RT
1	Ethanol	1442	1.038
2	n-Propanol	3154	1.690

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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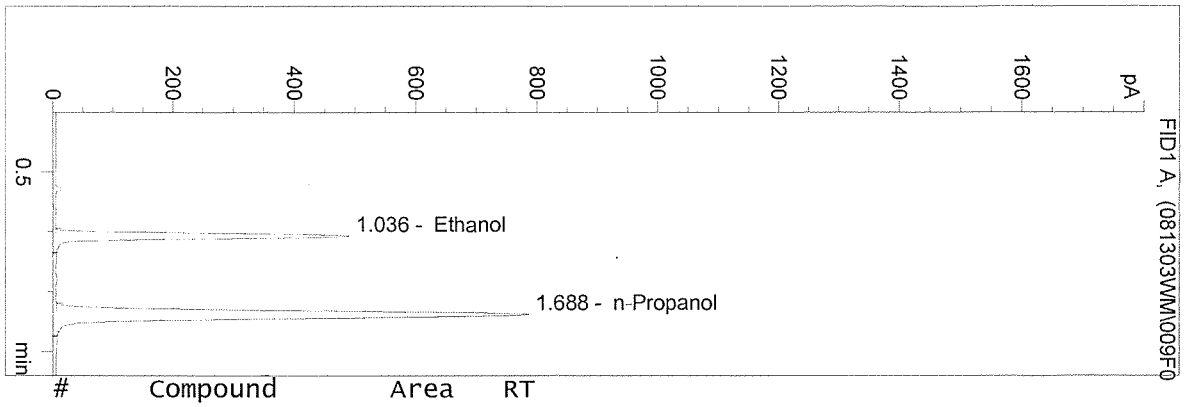
Instrument 2
ALC1

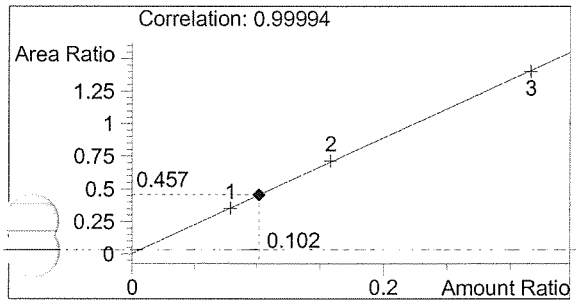
SIM 03027
WP MARSHALL

vial # 9

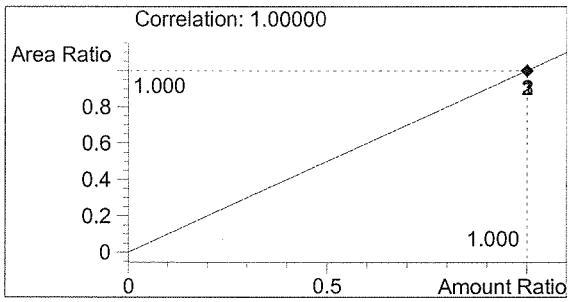


#	Compound	Area	RT
1	Ethanol	1507	1.036
2	n-Propanol	3299	1.688

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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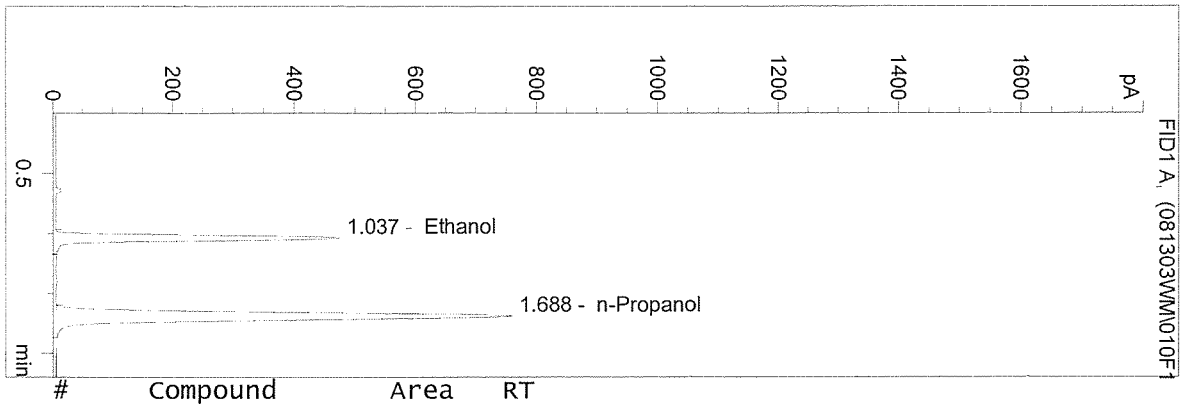
Instrument 2
ALC1

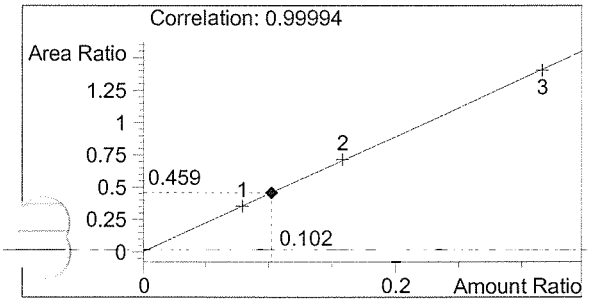
SIM 03027
WP MARSHALL

vial # 10

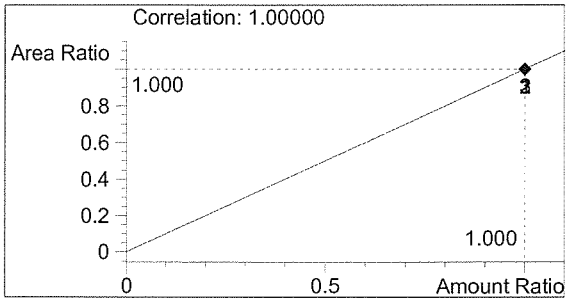


#	Compound	Area	RT
1	Ethanol	1466	1.037
2	n-Propanol	3196	1.688

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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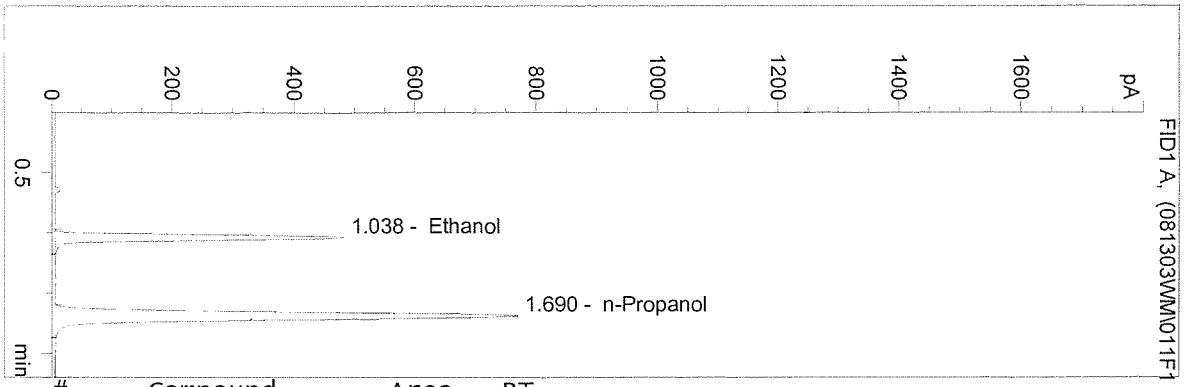
8/13/03 1:58:24 PM
Instrument 2
ALC1

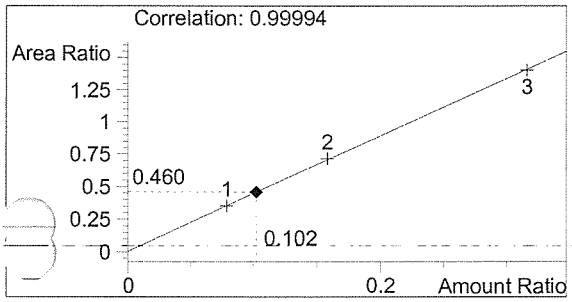
SIM 03027
WP MARSHALL

vial # 11

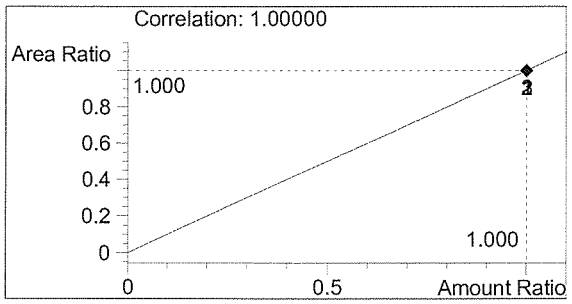


#	Compound	Area	RT
1	Ethanol	1488	1.038
2	n-Propanol	3236	1.690

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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8/13/03 1:27:17 PM
Instrument 2
-ALC1

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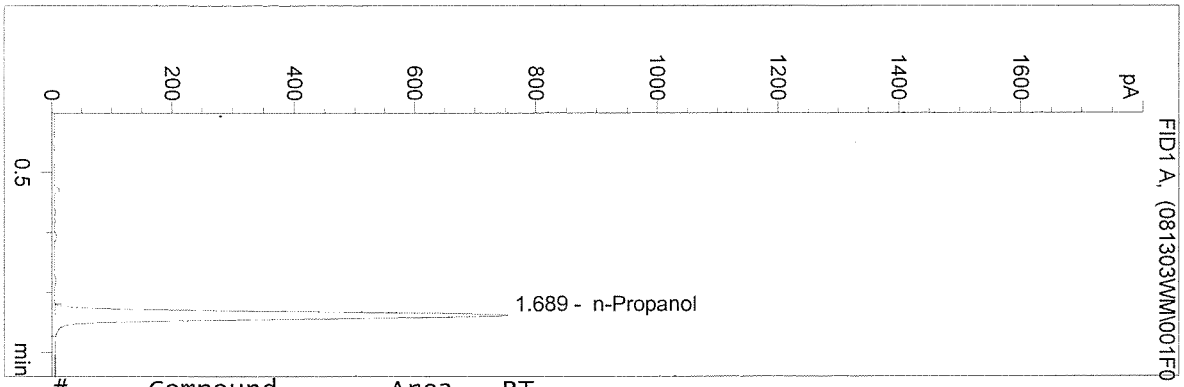
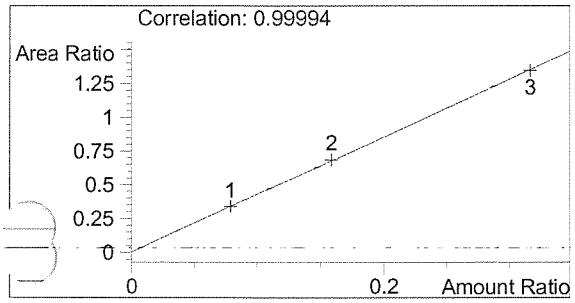
WP MARSHALL

vial # 1

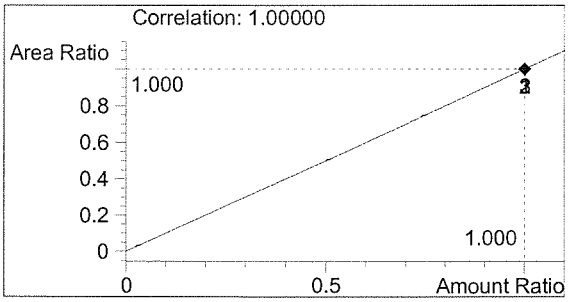


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3172	1.689

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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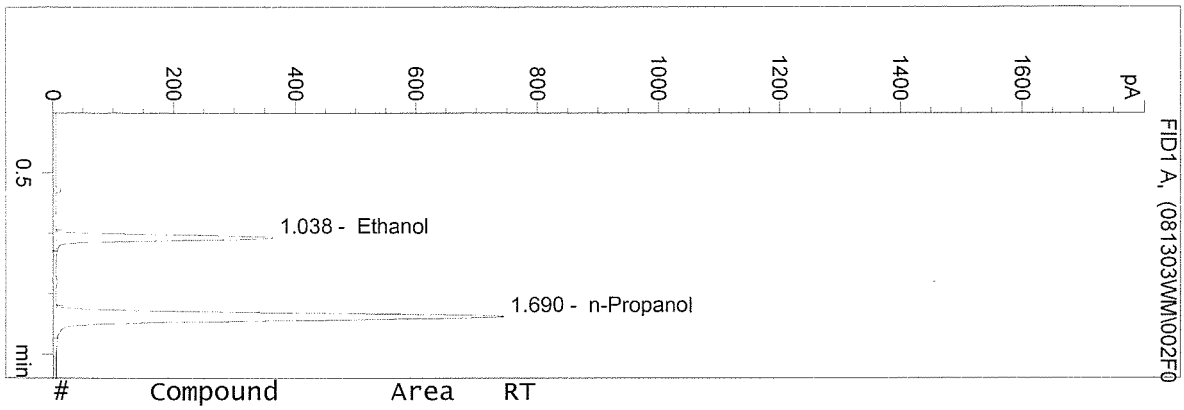
8/13/03 1:30:19 PM
Instrument 2
-ALC1

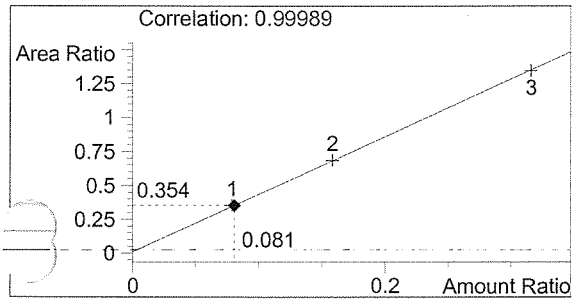
0.079 CALIBRATOR
WP MARSHALL

vial # 2

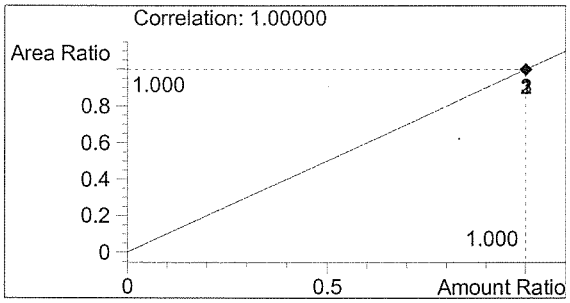


#	Compound	Area	RT
1	Ethanol	1110	1.038
2	n-Propanol	3140	1.690

Totals:



Ethanol 0.081 g/100ml

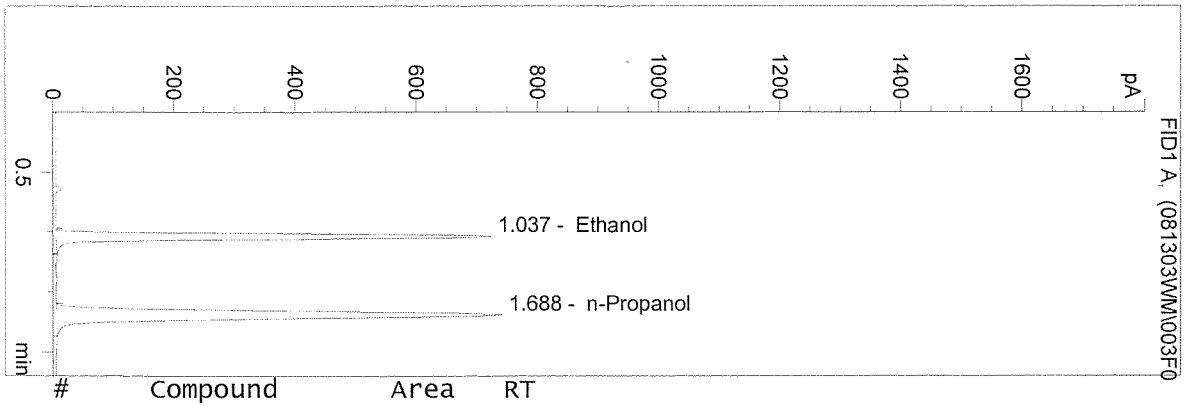


n-Propanol 1.000 g/100ml

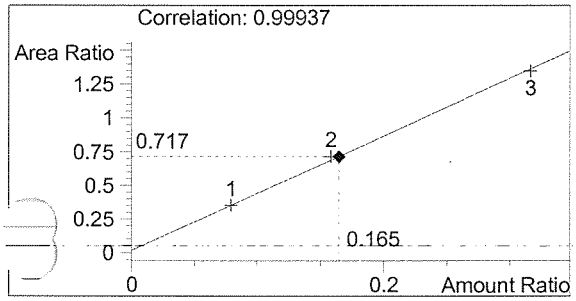
C:\HPCHEM\2\METHODS\BLDALCO2.M
8/13/03 1:33:21 PM
Instrument 2
ALC1

0.158 CALIBRATOR
WP MARSHALL

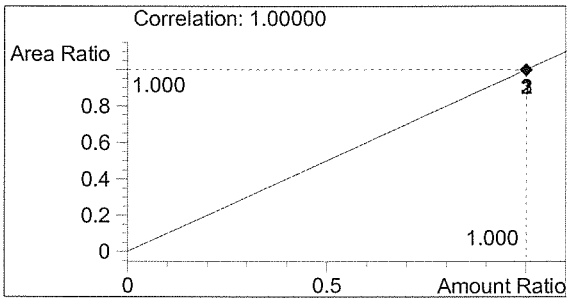
vial # 3



#	Compound	Area	RT
1	Ethanol	2236	1.037
2	n-Propanol	3120	1.688
Totals:			



Ethanol 0.165 g/100ml

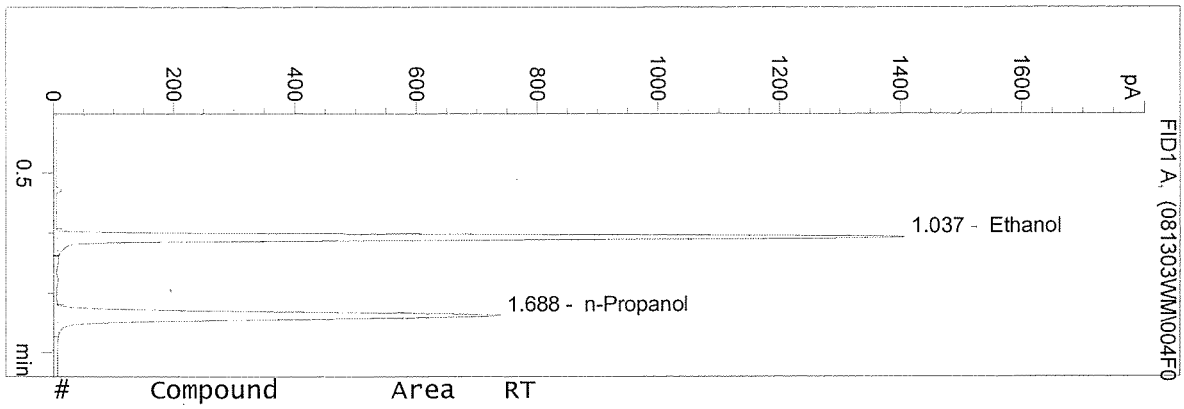


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
8/13/03 1:36:24 PM
Instrument 2
-ALC1

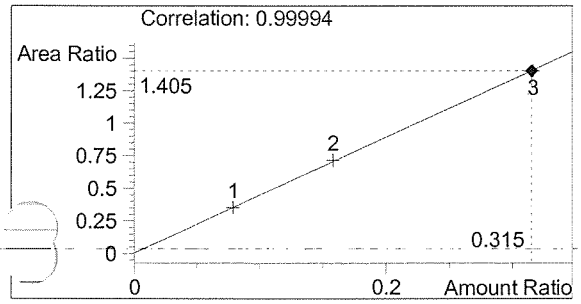
0.316 CALIBRATOR
WP MARSHALL

vial # 4

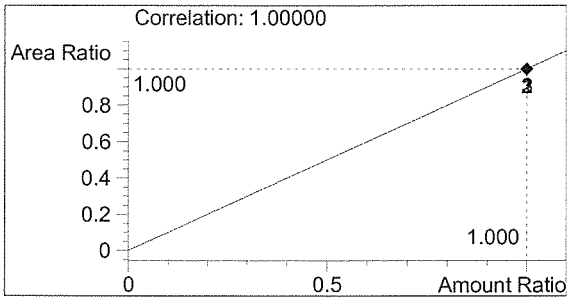


#	Compound	Area	RT
1	Ethanol	4358	1.037
2	n-Propanol	3101	1.688

Totals:



Ethanol 0.315 g/100ml



n-Propanol 1.000 g/100ml

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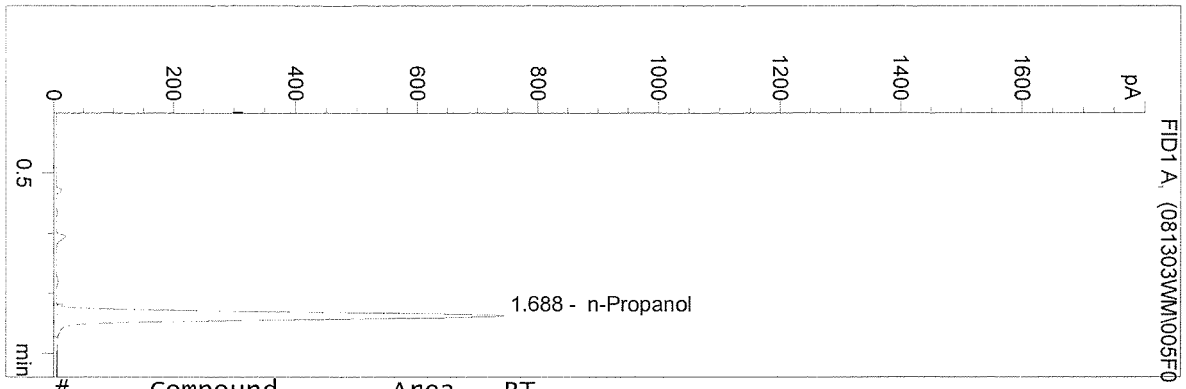
8/13/03 1:39:49 PM
Instrument 2
-ALC1

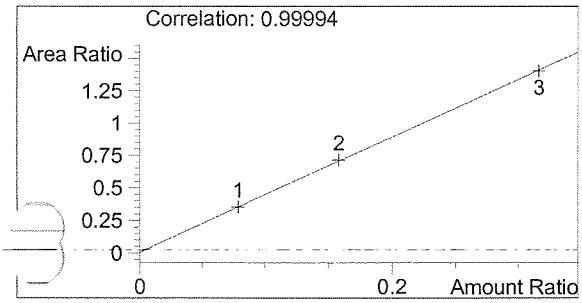
BLANK
WP MARSHALL

vial # 5

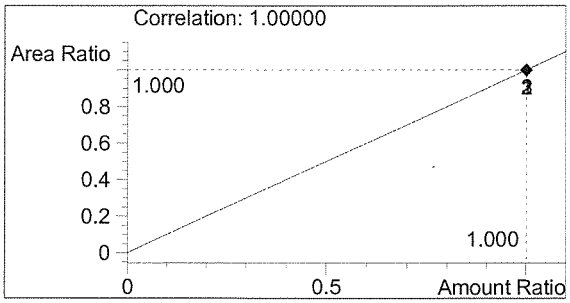


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3125	1.688

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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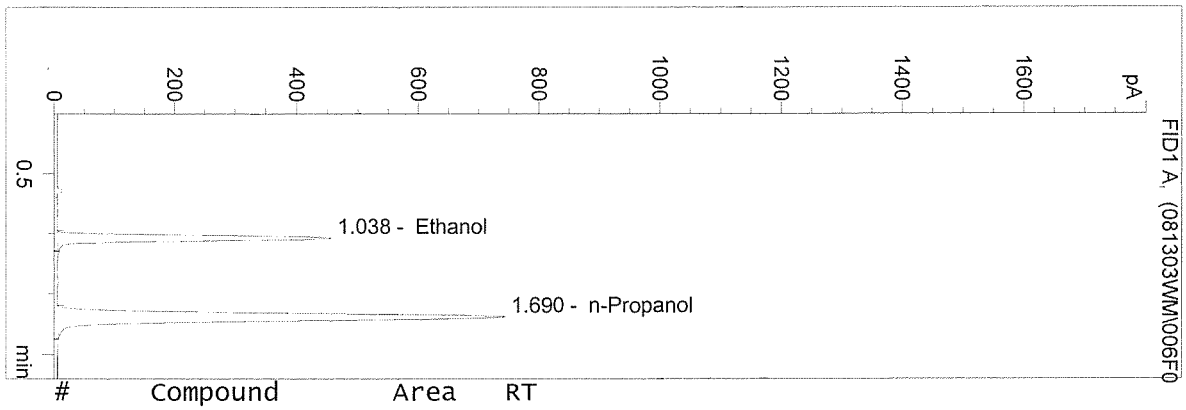
Instrument 2
-ALC1

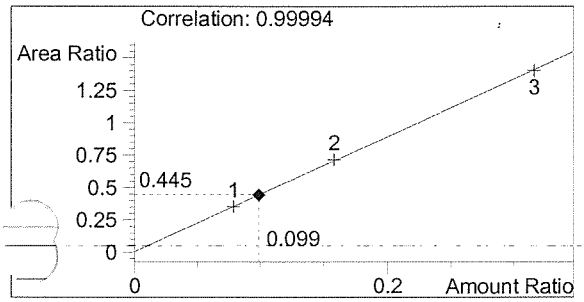
CONTROL 0.10 WM
WP MARSHALL

vial # 6

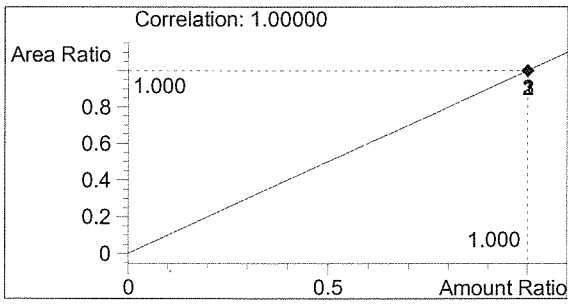


#	Compound	Area	RT
1	Ethanol	1393	1.038
2	n-Propanol	3131	1.690

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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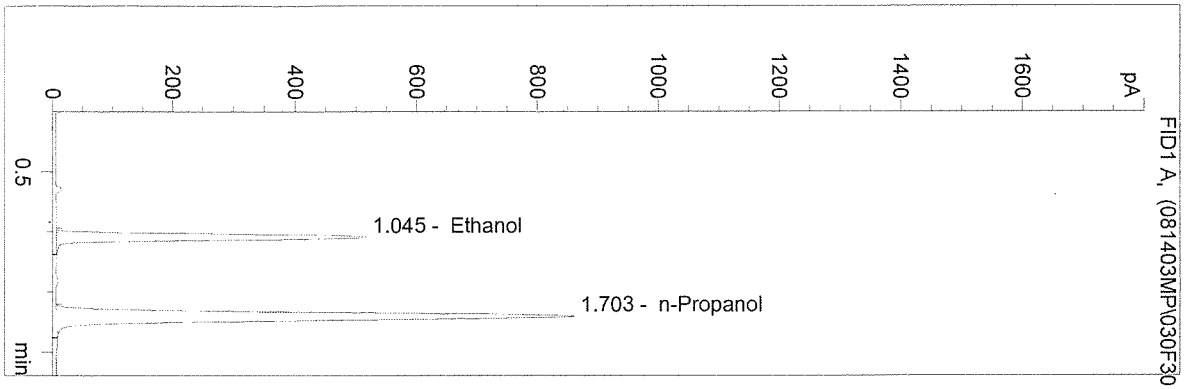
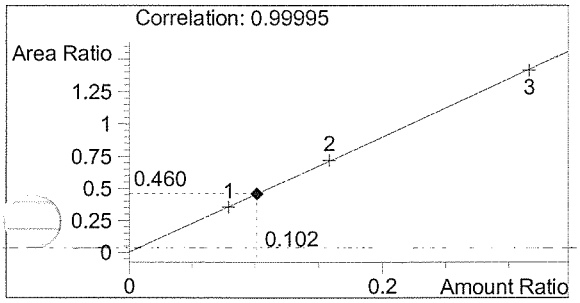
8/14/03 12:46:02 PM
Instrument 1
ALC1

03027 SIM SOLN
M PEMBERTON

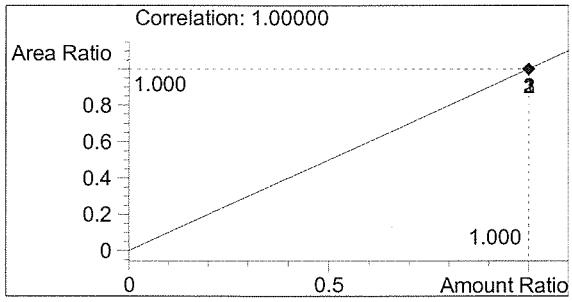
vial # 30



#	Compound	Area	RT
1	Ethanol	1725	1.045
2	n-Propanol	3749	1.703
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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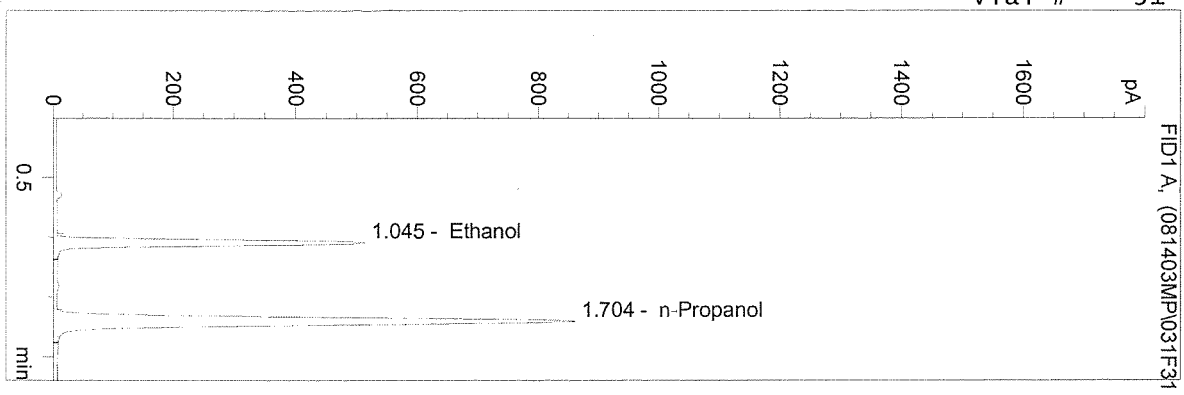
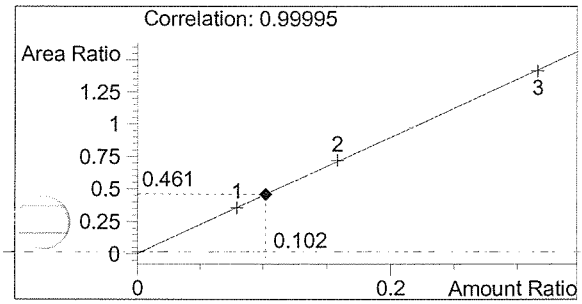
8/14/03 12:49:05 PM
Instrument 1
ALC1

03027 SIM SOLN
M PEMBERTON

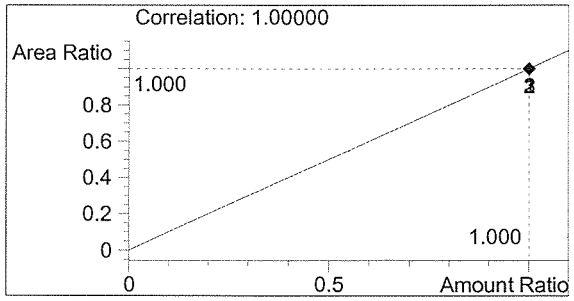
vial # 31



#	Compound	Area	RT
1	Ethanol	1734	1.045
2	n-Propanol	3763	1.704
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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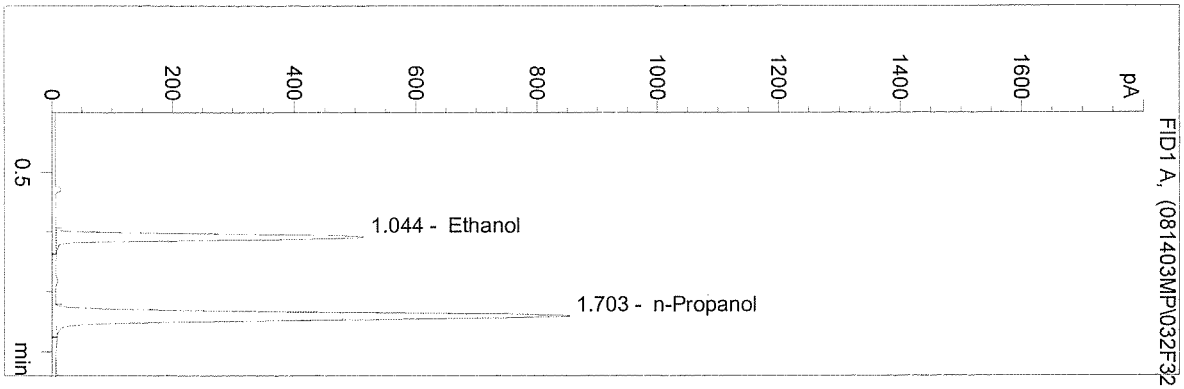
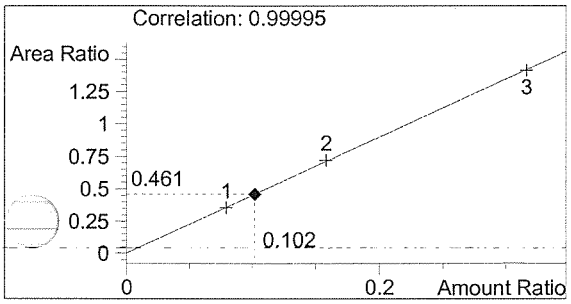
Instrument 1
ALC1

03027 SIM SOLN
M PEMBERTON

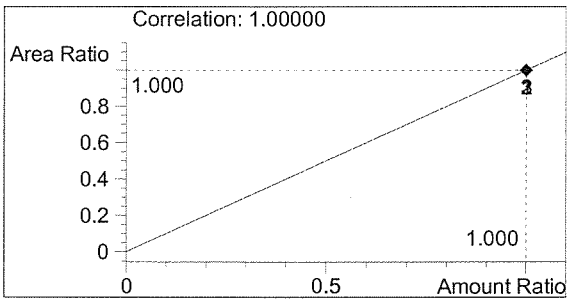
vial # 32



#	Compound	Area	RT
1	Ethanol	1711	1.044
2	n-Propanol	3711	1.703
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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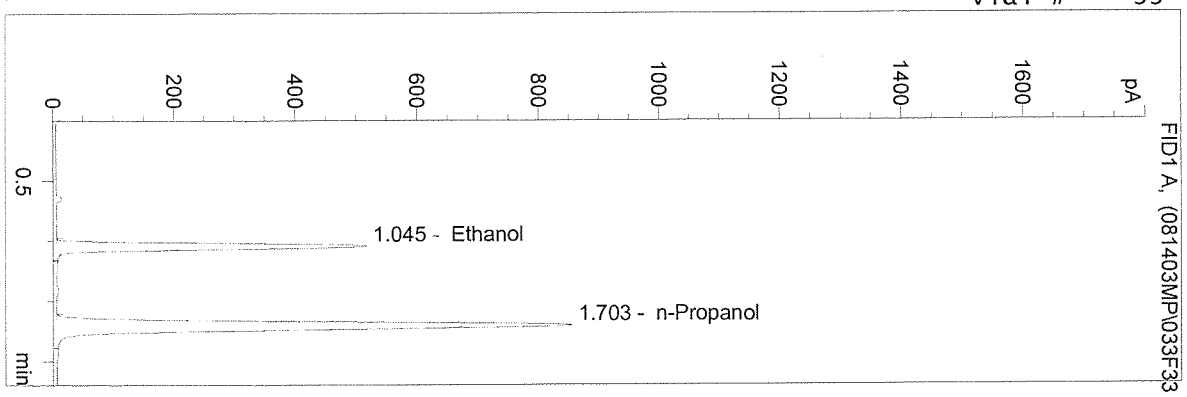
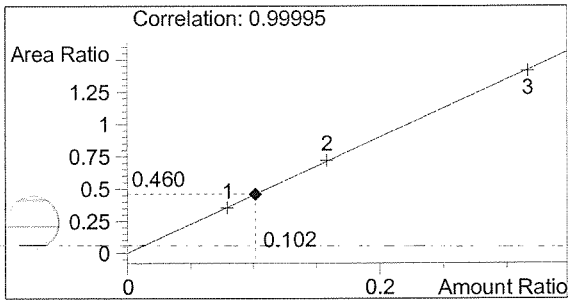
Instrument 1
ALC1

03027 SIM SOLN
M PEMBERTON

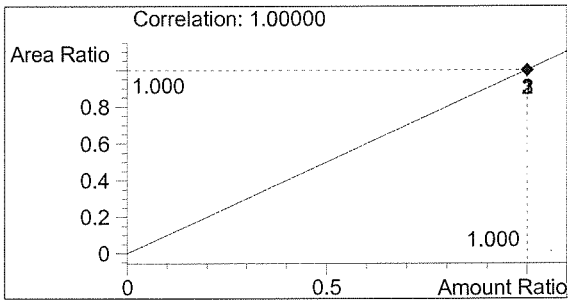
vial # 33



#	Compound	Area	RT
1	Ethanol	1712	1.045
2	n-Propanol	3719	1.703
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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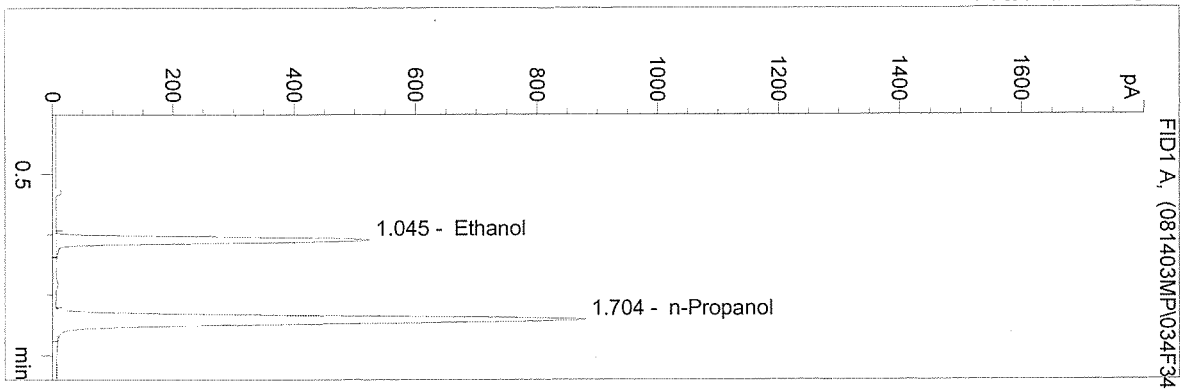
Instrument 1
ALC1

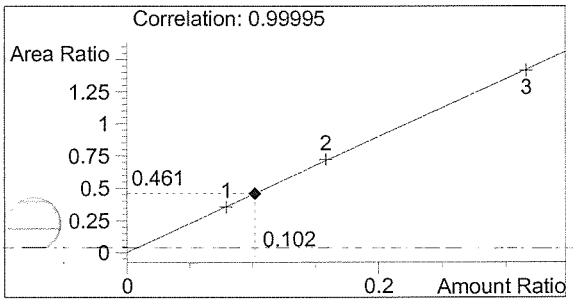
03027 SIM SOLN
M PEMBERTON

vial # 34

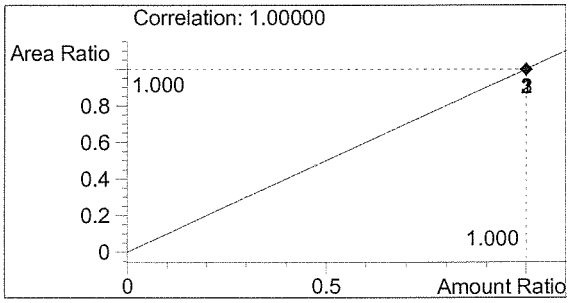


#	Compound	Area	RT
1	Ethanol	1772	1.045
2	n-Propanol	3844	1.704

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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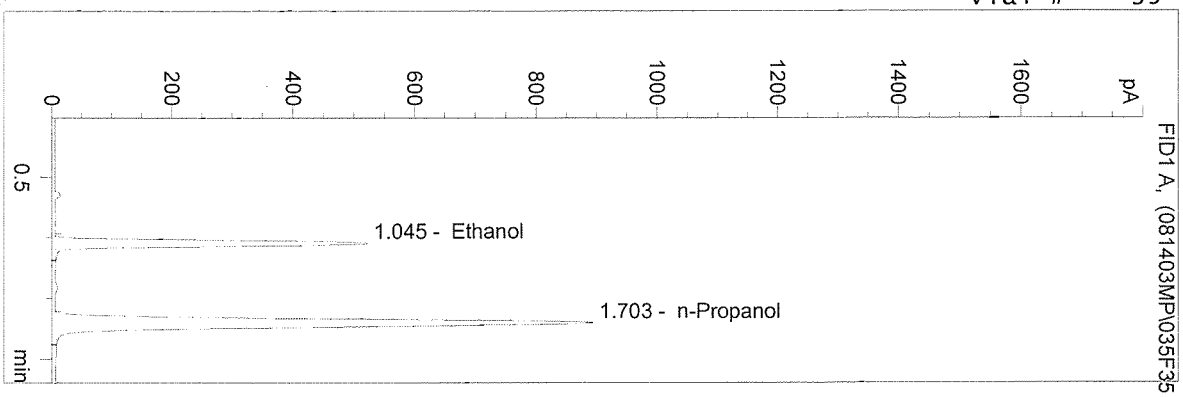
8/14/03 1:01:26 PM
Instrument 1
BLDALC1

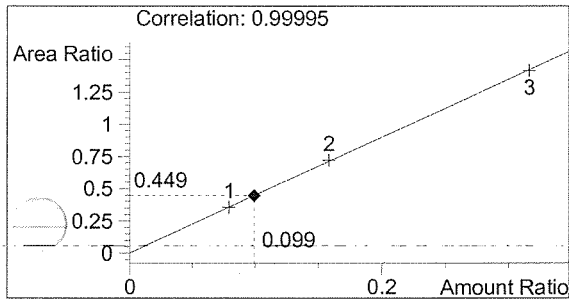
0.10 CONTROL
M PEMBERTON

vial # 35

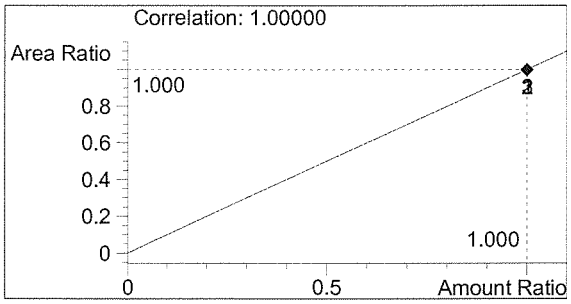


#	Compound	Area	RT
1	Ethanol	1748	1.045
2	n-Propanol	3895	1.703

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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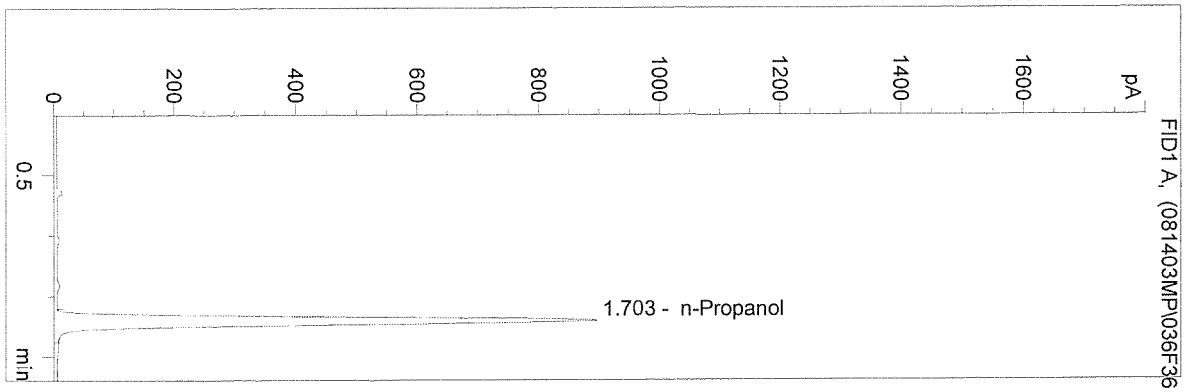
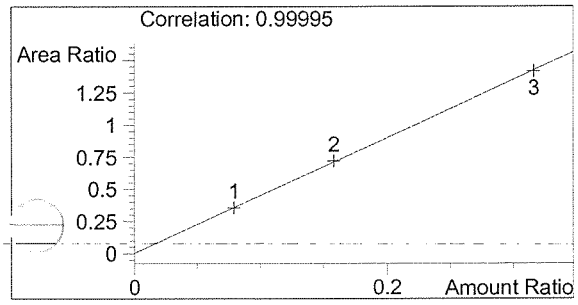
8/14/03 1:04:28 PM
Instrument 1
ALC1

BLK
M PEMBERTON

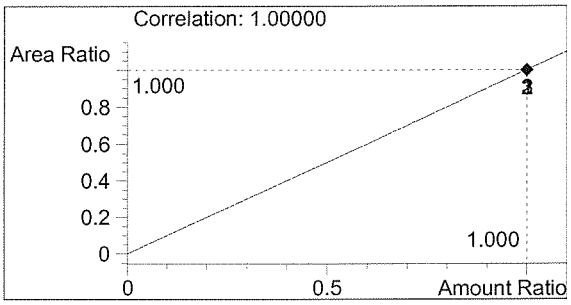
vial # 36



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3900	1.703
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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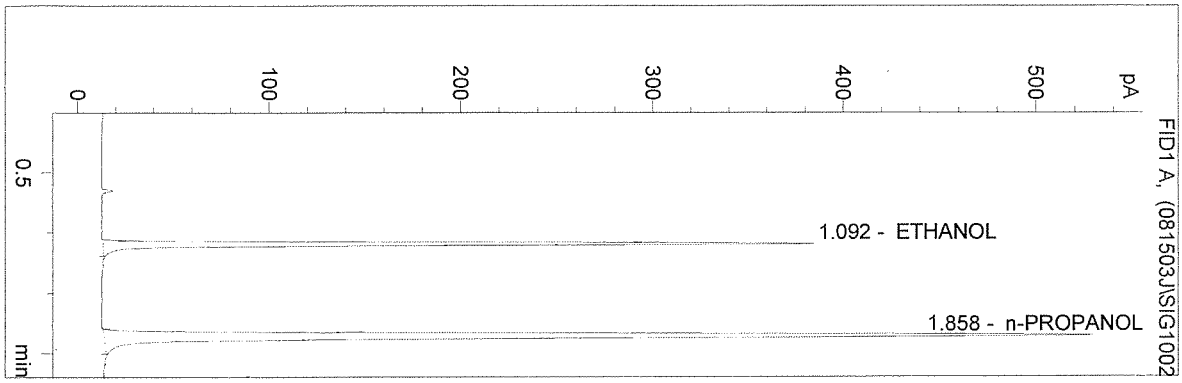
8/15/03 4:34:50 PM
Instrument 3
ALC2

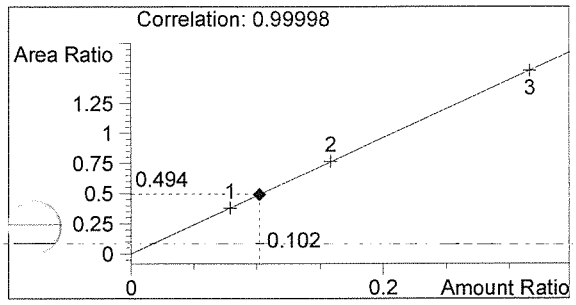
SimSoln 03027
Jayne E. Thatcher

vial # 27

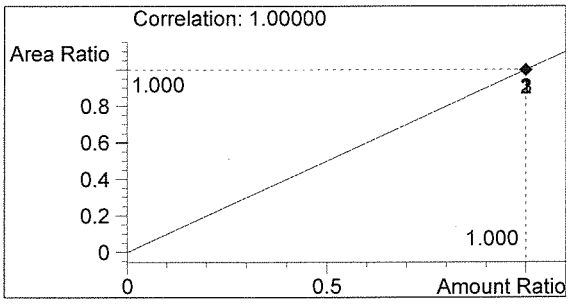


#	Compound	Area	RT
1	ETHANOL	700	1.092
2	n-PROPANOL	1417	1.858

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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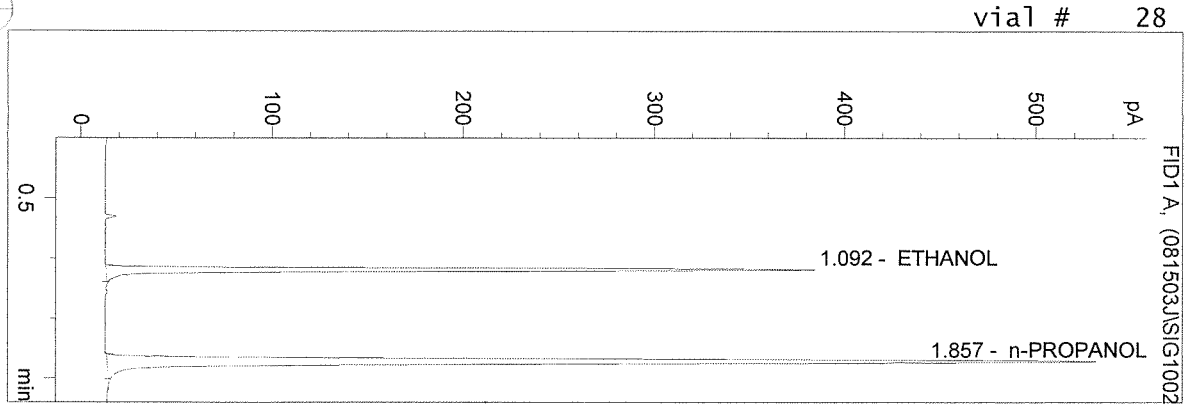
8/15/03 4:37:54 PM
Instrument 3
ALC2

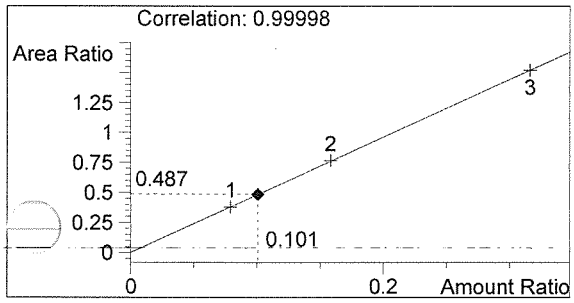
SimSoln 03027
Jayne E. Thatcher

vial # 28

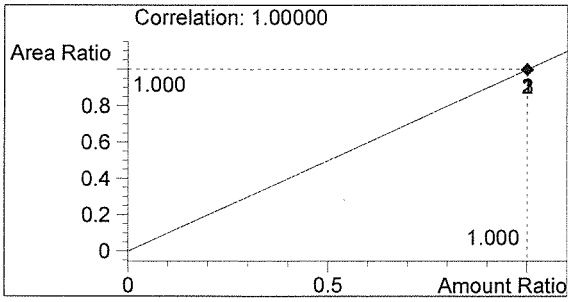


#	Compound	Area	RT
1	ETHANOL	694	1.092
2	n-PROPANOL	1423	1.857

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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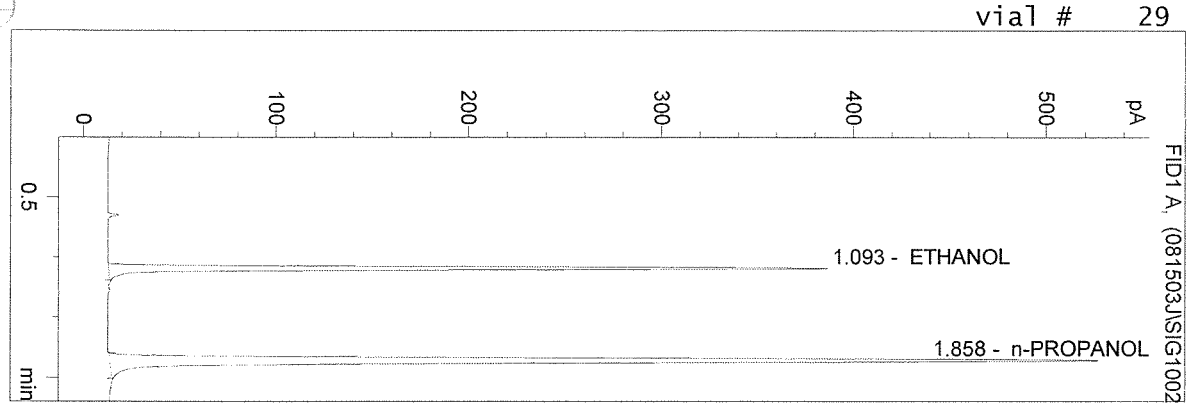
8/15/03 4:41:11 PM
Instrument 3
ALC2

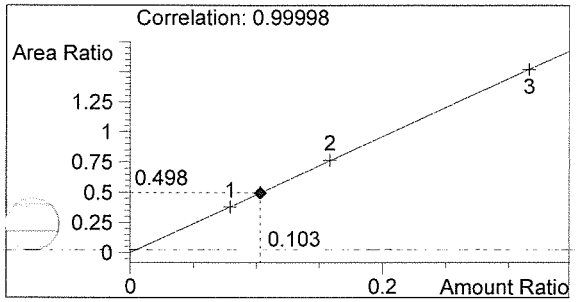
SimSoln 03027
Jayne E. Thatcher

vial # 29

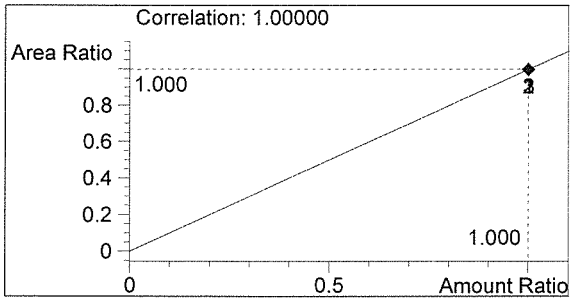


#	Compound	Area	RT
1	ETHANOL	702	1.093
2	n-PROPANOL	1410	1.858

Totals:



ETHANOL 0.103 g/100mL



n-PROPANOL 1.000 g/100mL

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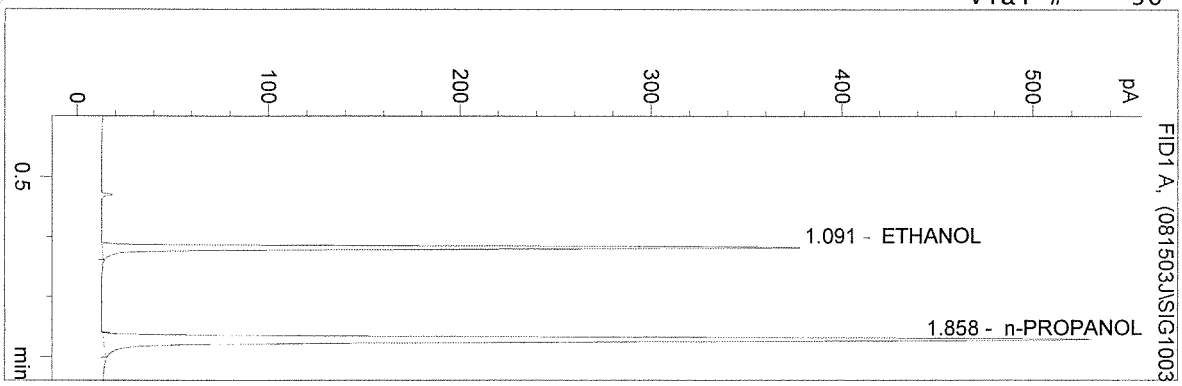
8/15/03 4:44:15 PM
Instrument 3
ALC2

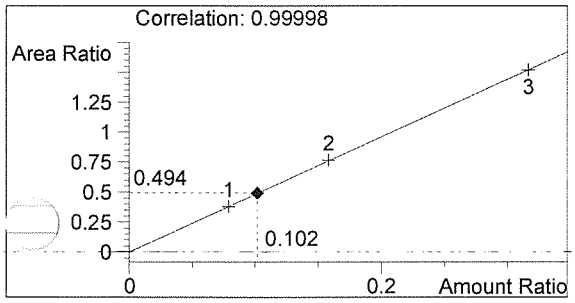
SimSoln 03027
Jayne E. Thatcher

vial # 30

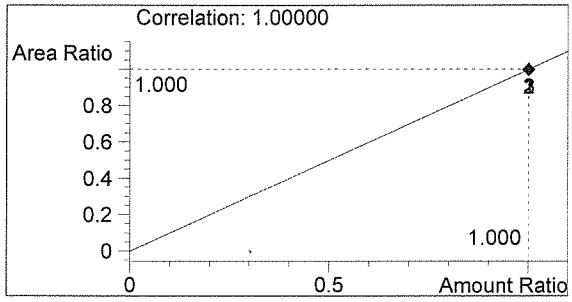


#	Compound	Area	RT
1	ETHANOL	705	1.091
2	n-PROPANOL	1428	1.858

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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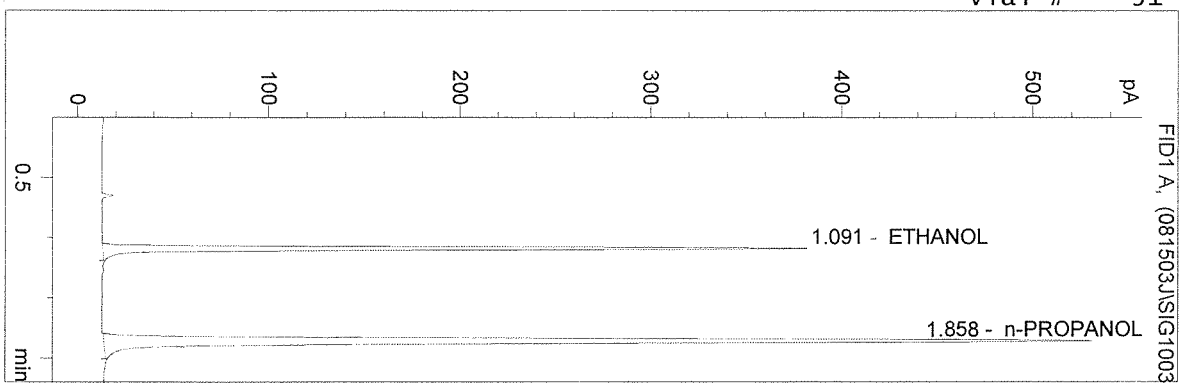
8/15/03 4:47:19 PM
Instrument 3
ALC2

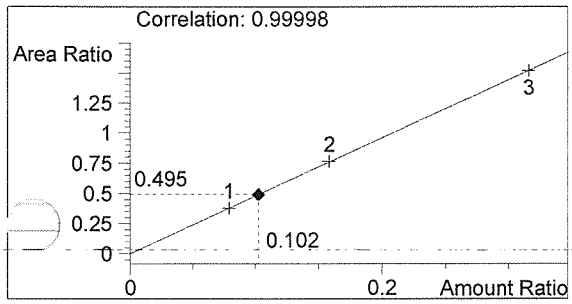
SimSoln 03027
Jayne E. Thatcher

vial # 31

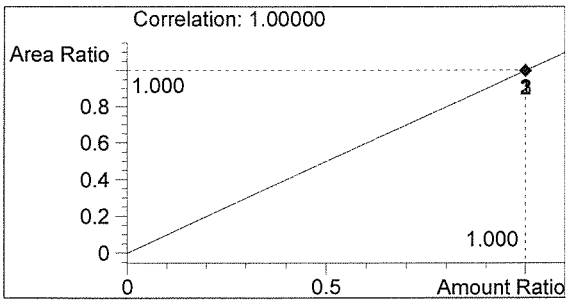


#	Compound	Area	RT
1	ETHANOL	705	1.091
2	n-PROPANOL	1424	1.858

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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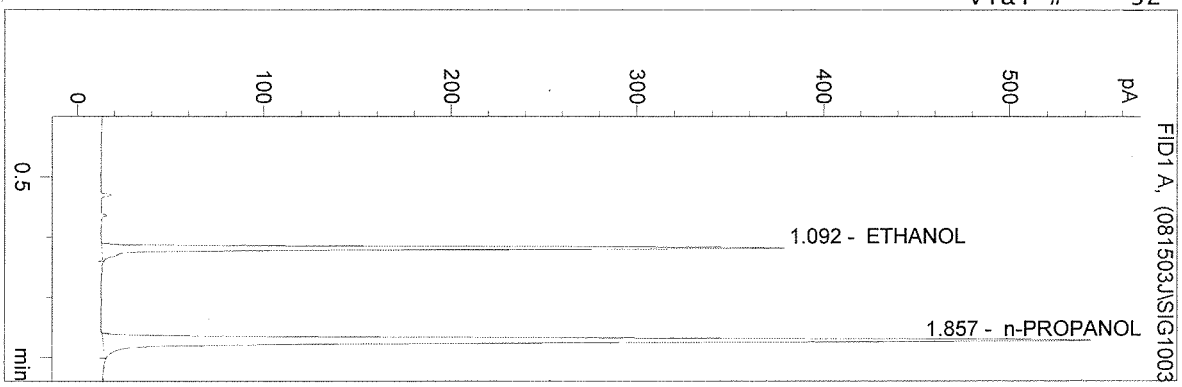
8/15/03 4:50:24 PM
Instrument 3
ALC2

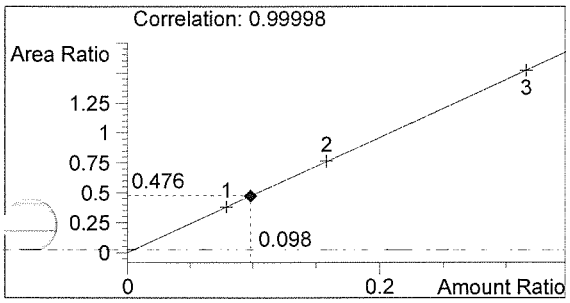
0.10 CONTROL
Jayne E. Thatcher

vial # 32

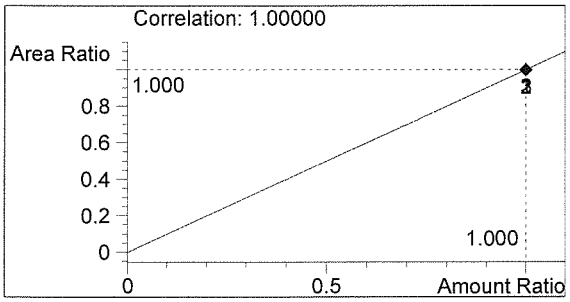


#	Compound	Area	RT
1	ETHANOL	695	1.092
2	n-PROPANOL	1460	1.857

Totals:



ETHANOL 0.098 g/100mL



n-PROPANOL 1.000 g/100mL

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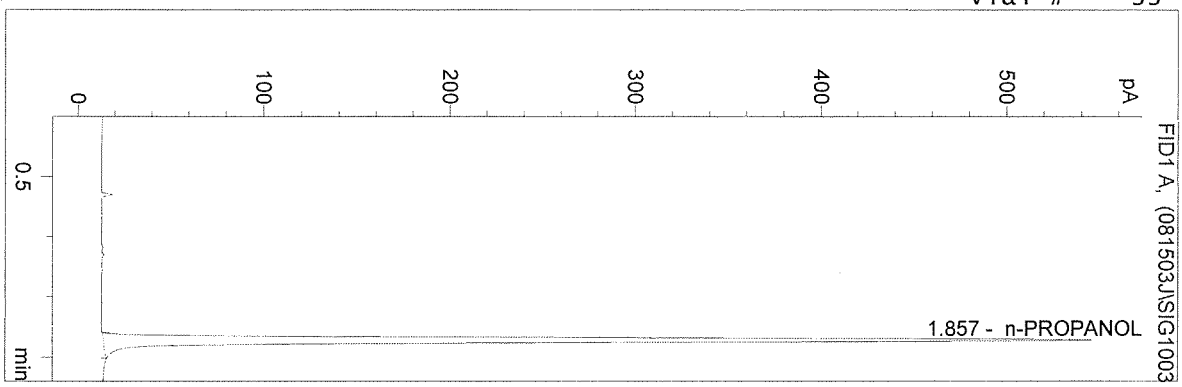
8/15/03 4:53:35 PM
Instrument 3
ALC2

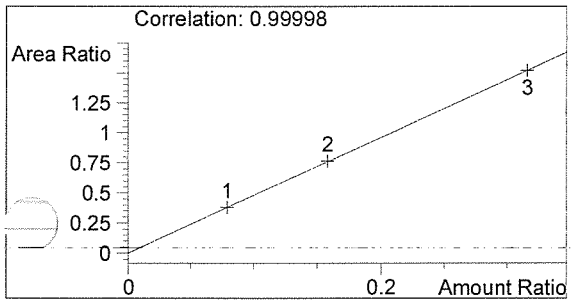
BLANK
Jayne E. Thatcher

vial # 33

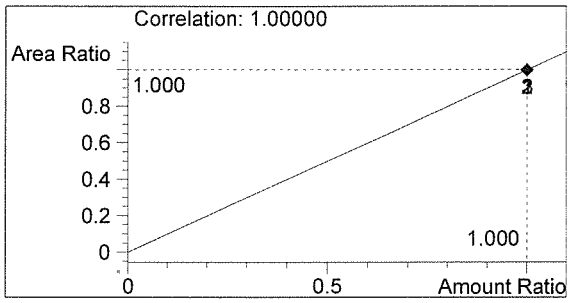


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1460	1.857

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

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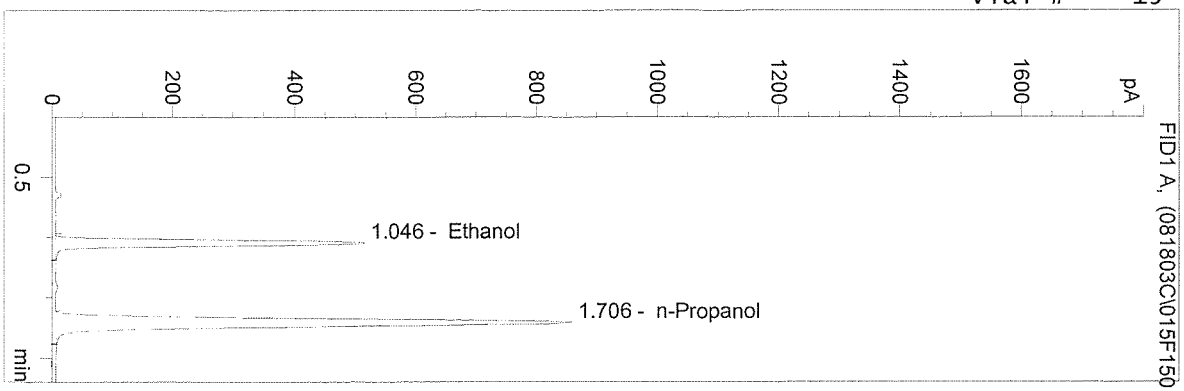
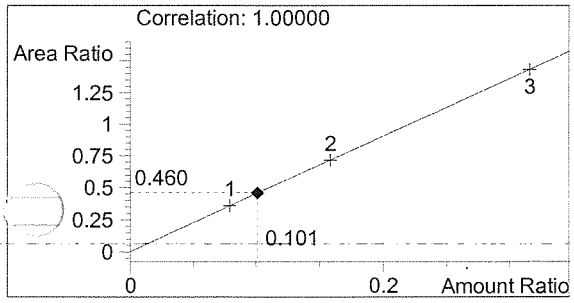
8/18/03 4:37:20 PM
Instrument 1
ALC1

03027
ED FORMOSO

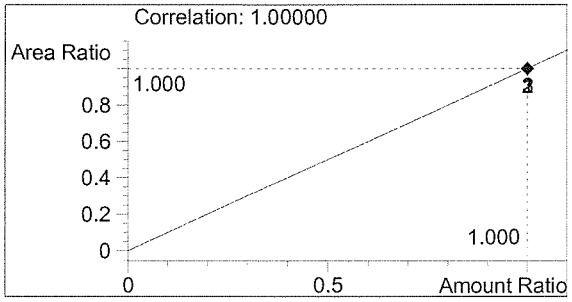
vial # 15



#	Compound	Area	RT
1	Ethanol	1720	1.046
2	n-Propanol	3741	1.706
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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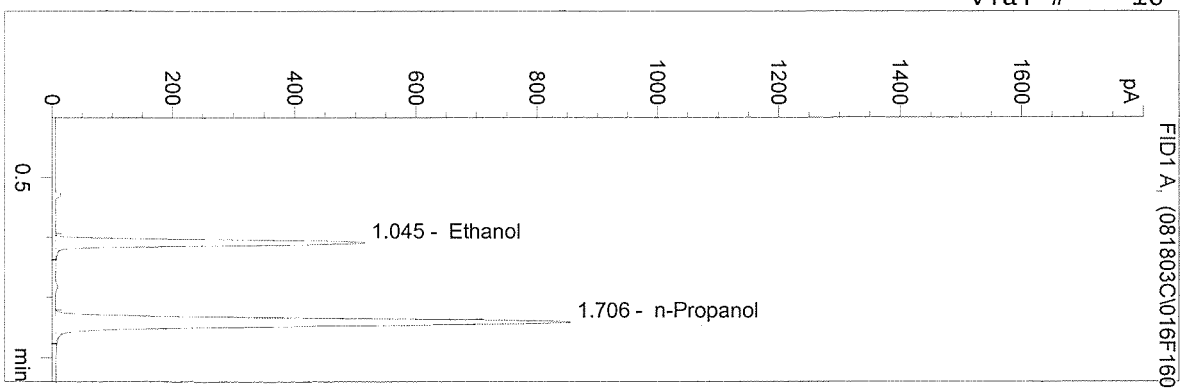
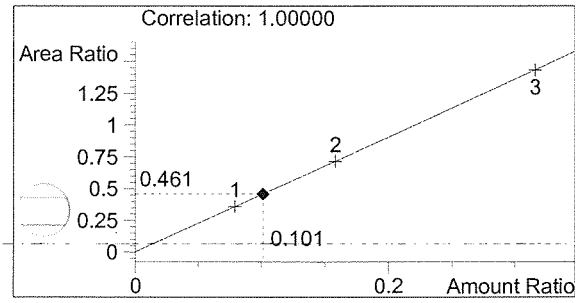
Instrument 1
ALC1

03027
ED FORMOSO

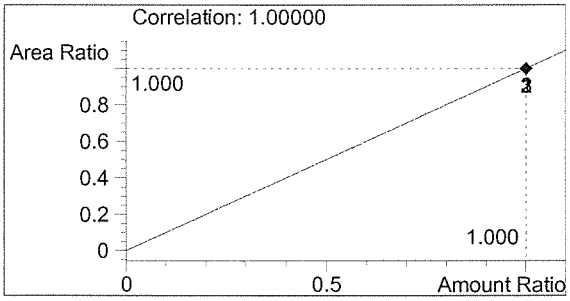
vial # 16



#	Compound	Area	RT
1	Ethanol	1710	1.045
2	n-Propanol	3712	1.706
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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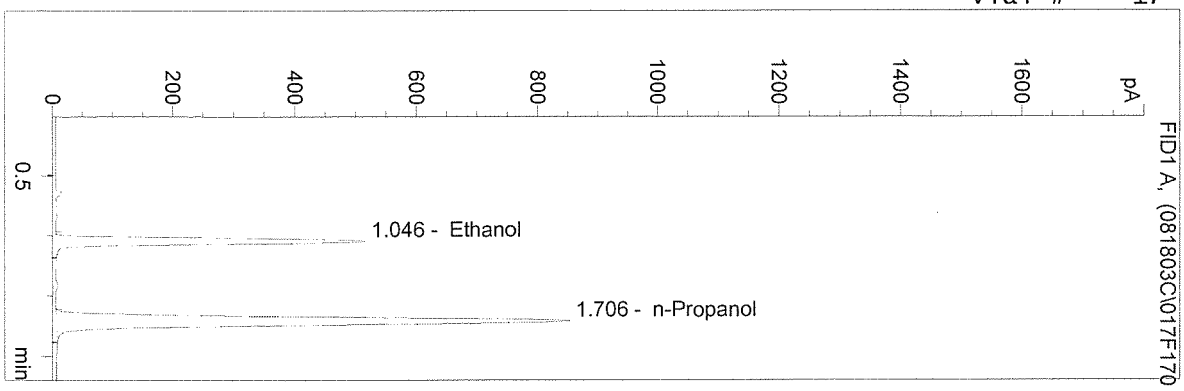
Instrument 1
ALC1

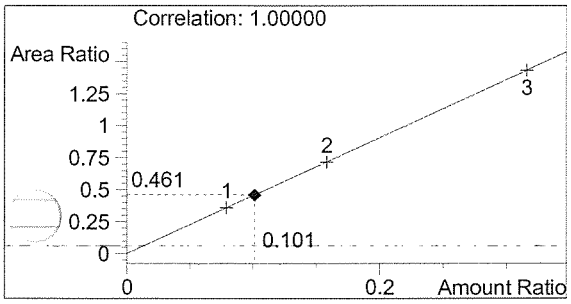
03027
ED FORMOSO

vial # 17

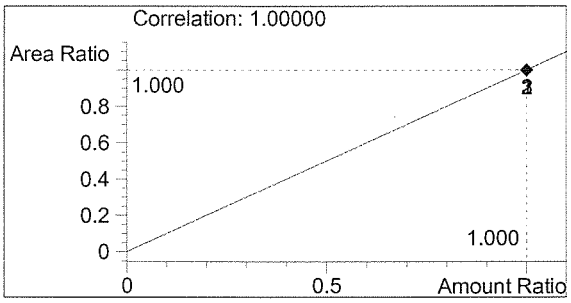


#	Compound	Area	RT
1	Ethanol	1717	1.046
2	n-Propanol	3726	1.706

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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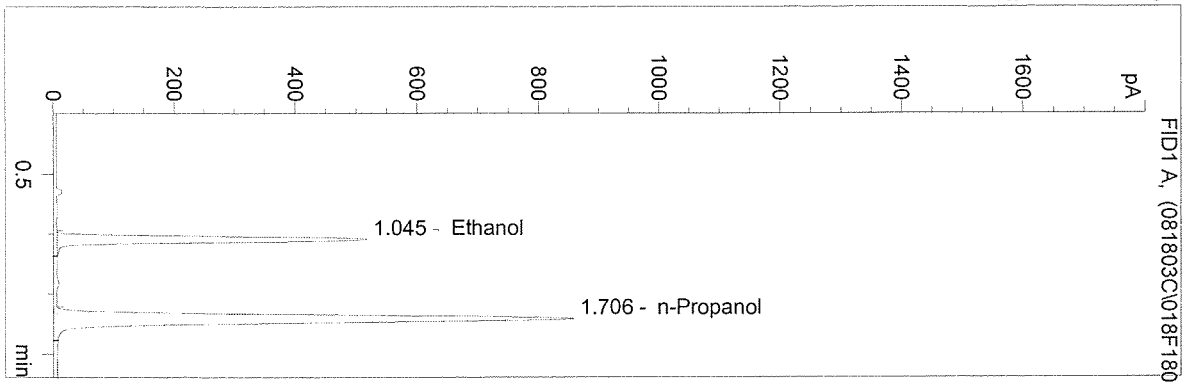
Instrument 1
ALC1

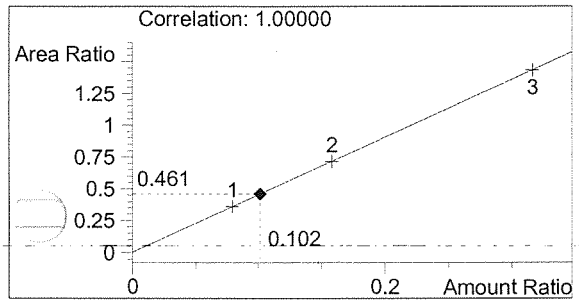
03027
ED FORMOSO

vial # 18

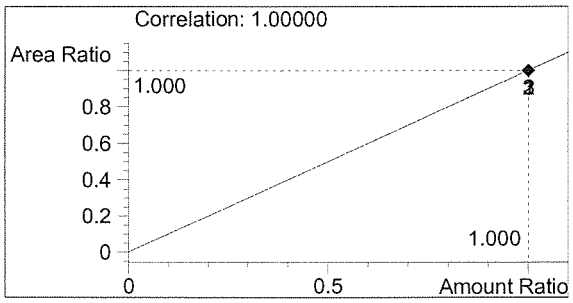


#	Compound	Area	RT
1	Ethanol	1715	1.045
2	n-Propanol	3718	1.706

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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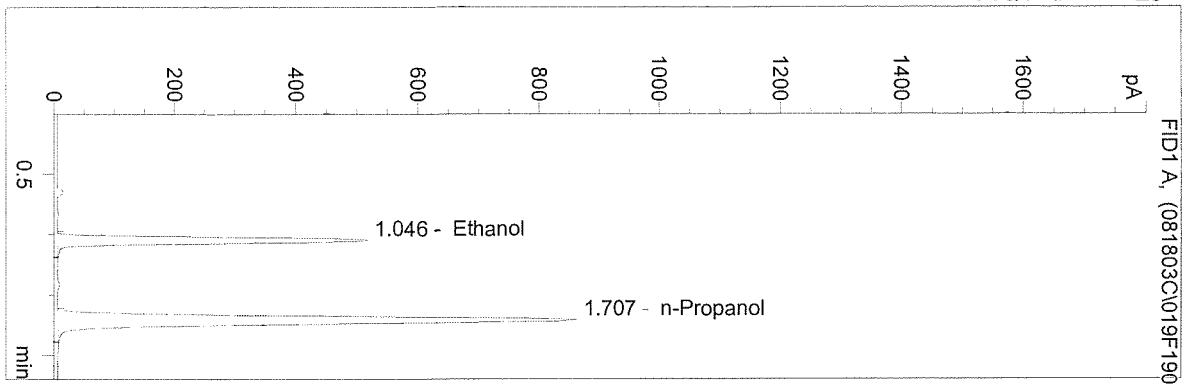
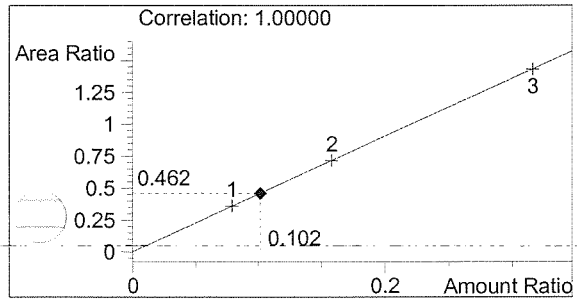
Instrument 1
ALC1

03027
ED FORMOSO

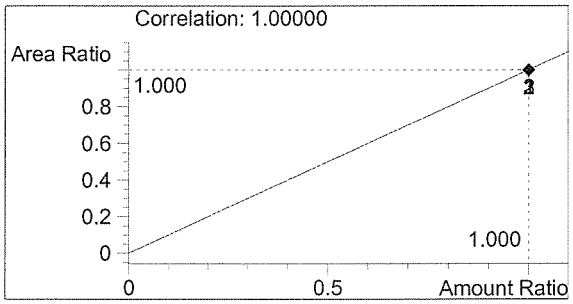
vial # 19



#	Compound	Area	RT
1	Ethanol	1736	1.046
2	n-Propanol	3759	1.707
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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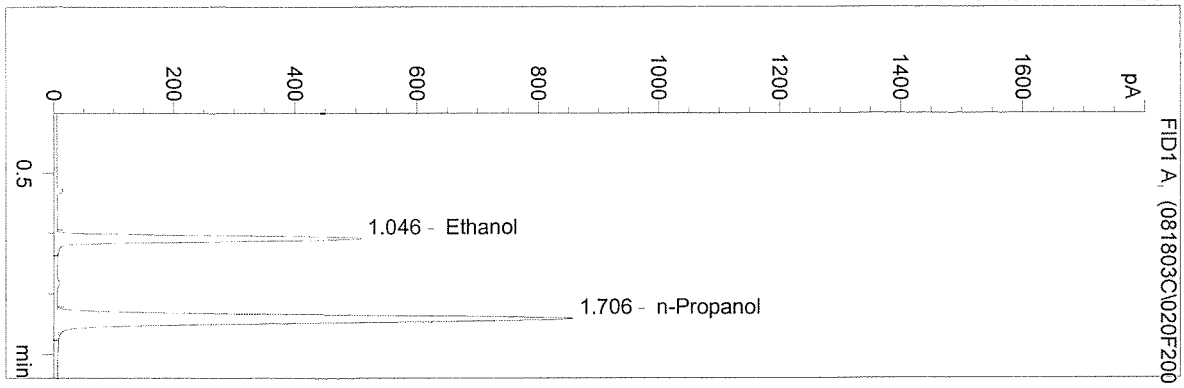
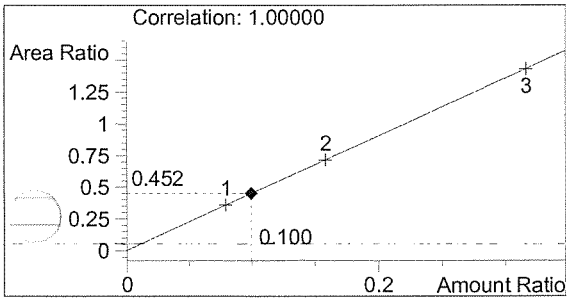
Instrument 1
ALC1

0.10 CONTROL
ED FORMOSO

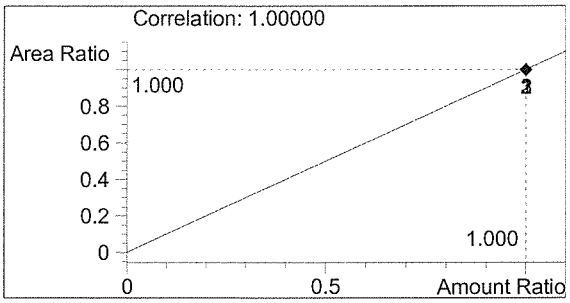
vial # 20



#	Compound	Area	RT
1	Ethanol	1687	1.046
2	n-Propanol	3731	1.706
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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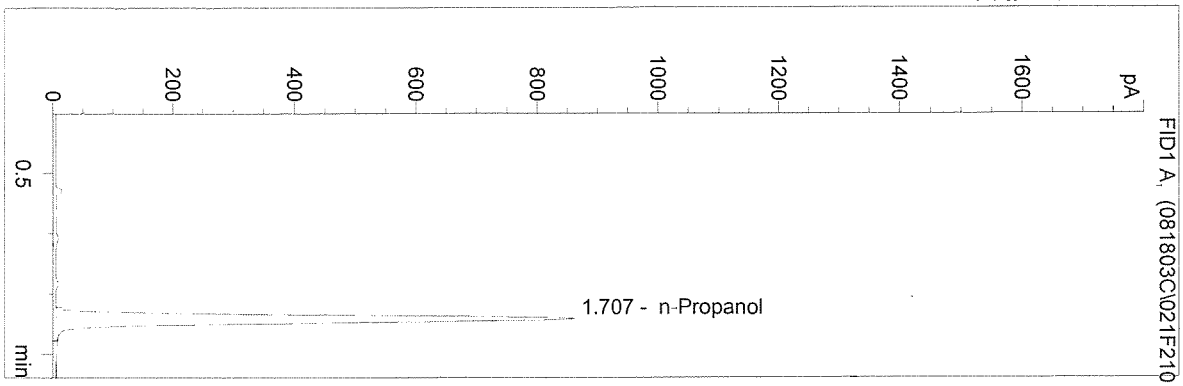
8/18/03 4:55:44 PM
Instrument 1
ALC1

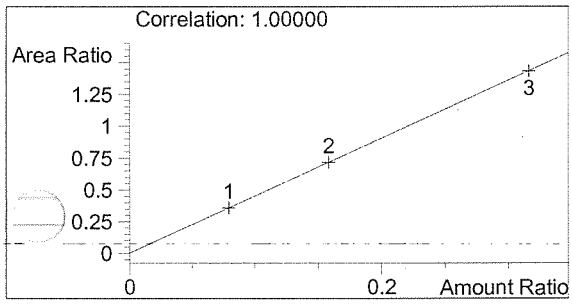
BLANK
ED FORMOSO

vial # 21

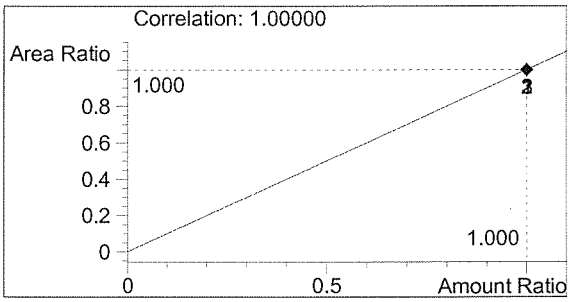


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3754	1.707

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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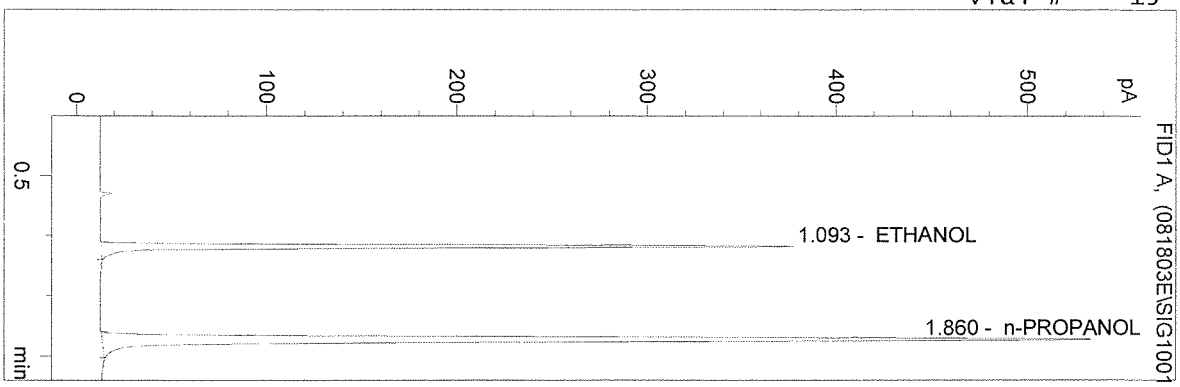
Instrument 3
ALC2

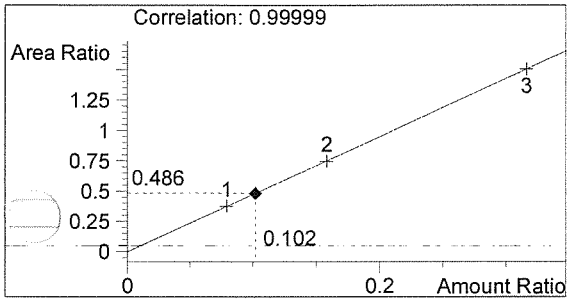
03027-1 AMG
ED FORMOSO

vial # 15

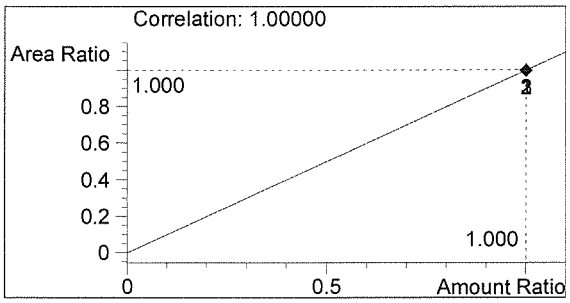


#	Compound	Area	RT
1	ETHANOL	695	1.093
2	n-PROPANOL	1431	1.860

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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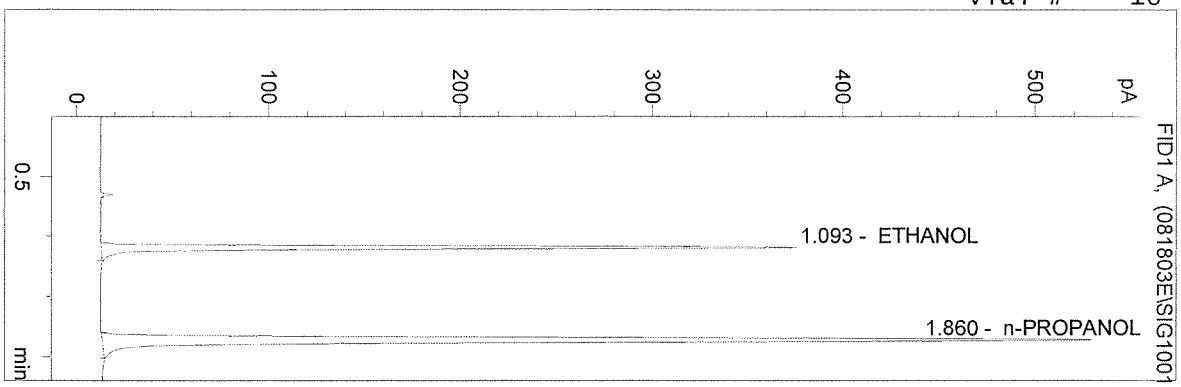
8/18/03 4:48:26 PM
Instrument 3
ALC2

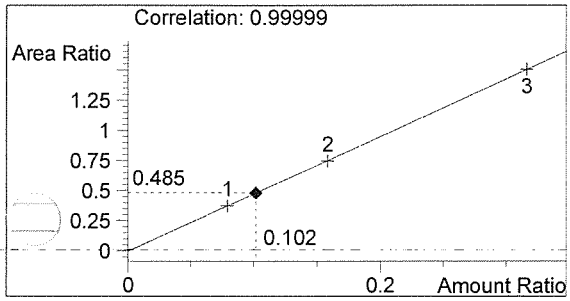
03027-2 AMG
ED FORMOSO

vial # 16

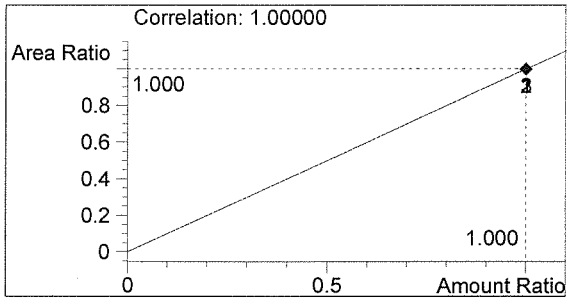


#	Compound	Area	RT
1	ETHANOL	686	1.093
2	n-PROPANOL	1416	1.860

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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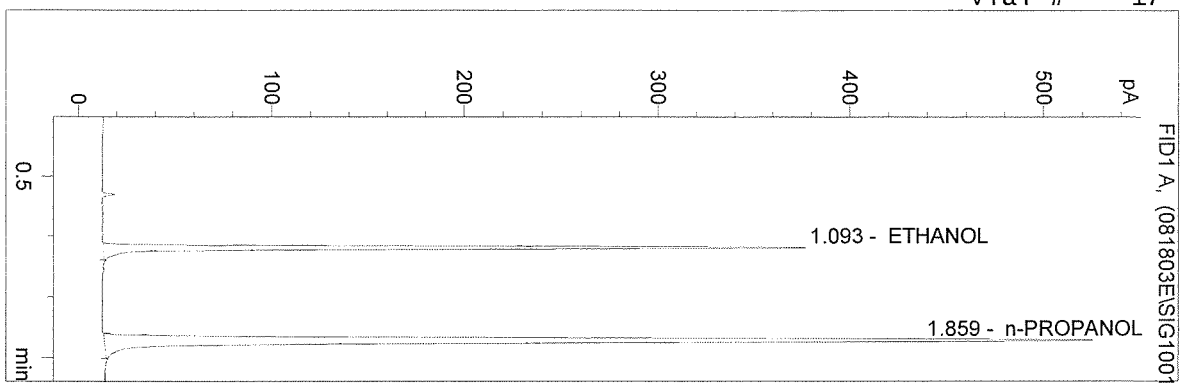
8/18/03 4:51:38 PM
Instrument 3
ALC2

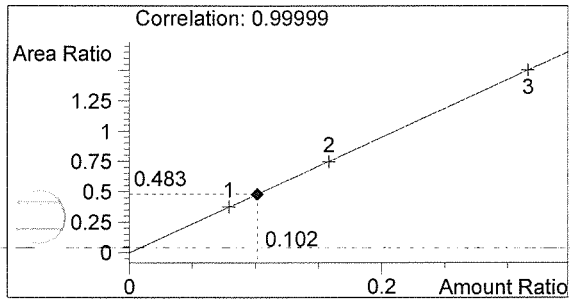
03027-3 AMG
ED FORMOSO

vial # 17

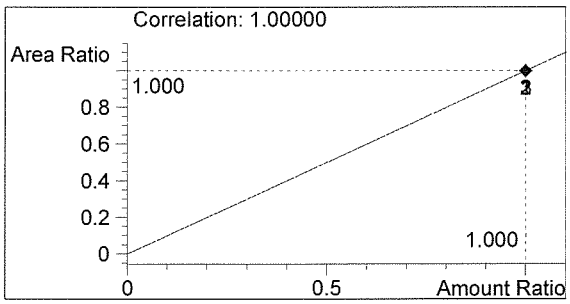


#	Compound	Area	RT
1	ETHANOL	679	1.093
2	n-PROPANOL	1406	1.859

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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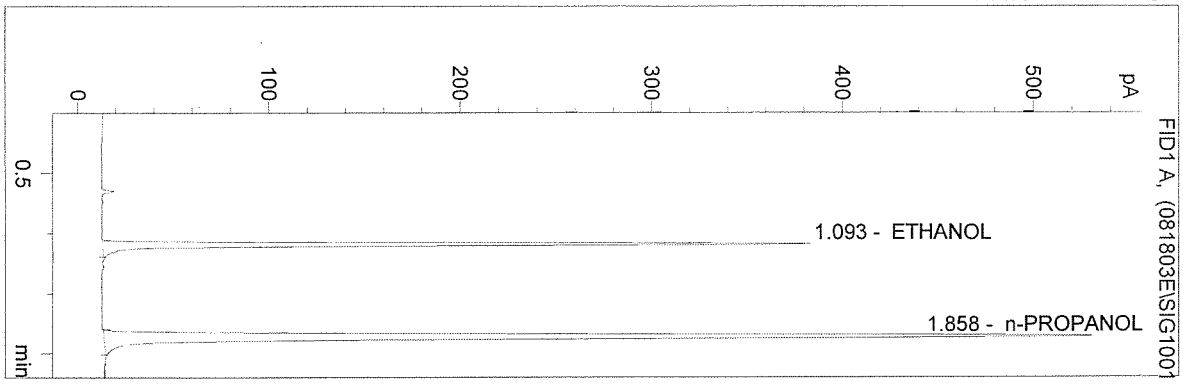
Instrument 3
ALC2

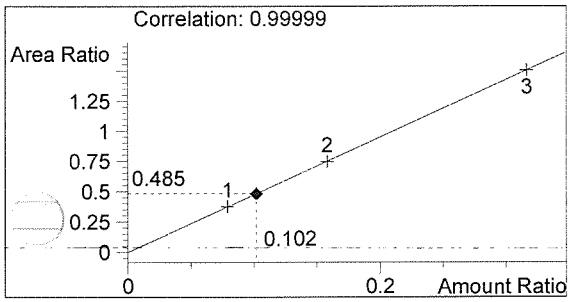
03027-4 AMG
ED FORMOSO

vial # 18

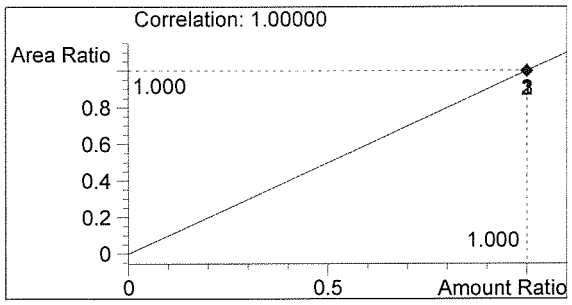


#	Compound	Area	RT
1	ETHANOL	688	1.093
2	n-PROPANOL	1417	1.858

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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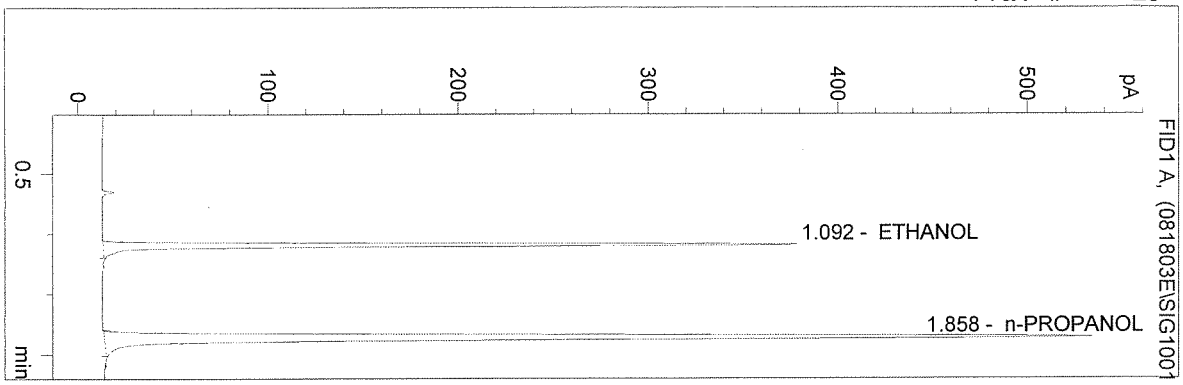
Instrument 3
ALC2

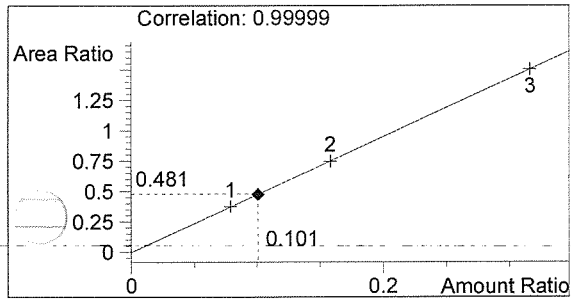
03027-5 AMG
ED FORMOSO

vial # 19

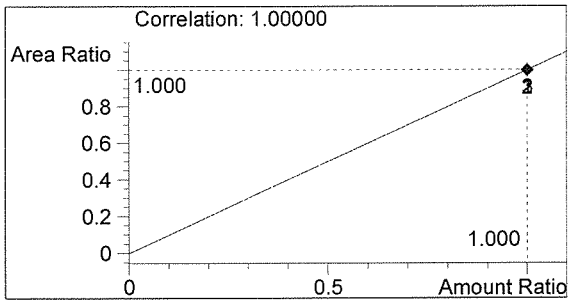


#	Compound	Area	RT
1	ETHANOL	690	1.092
2	n-PROPANOL	1435	1.858

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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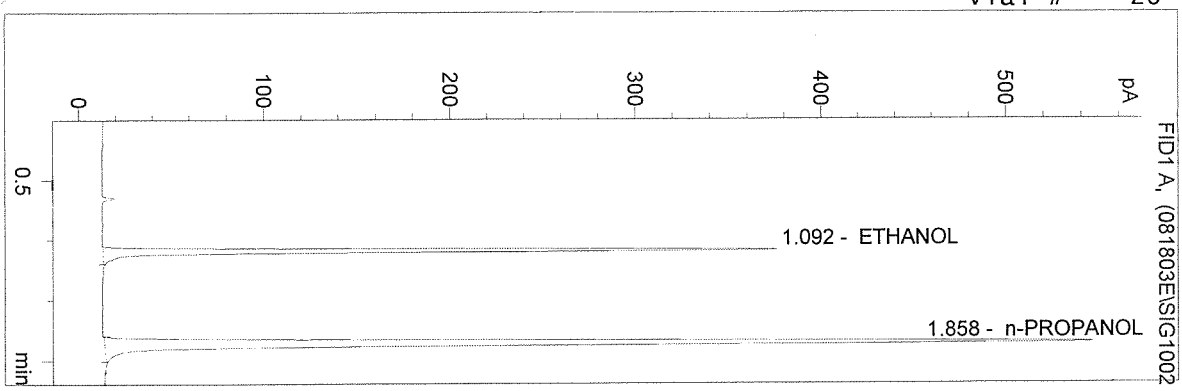
Instrument 3
ALC2

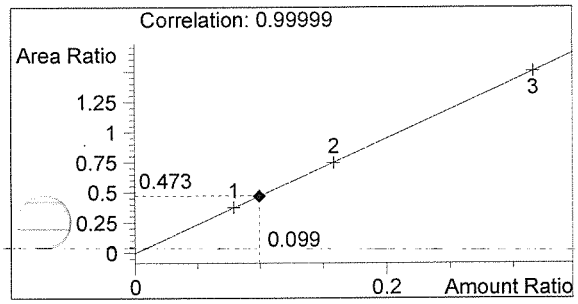
0.10 CONTROL
ED FORMOSO

vial # 20

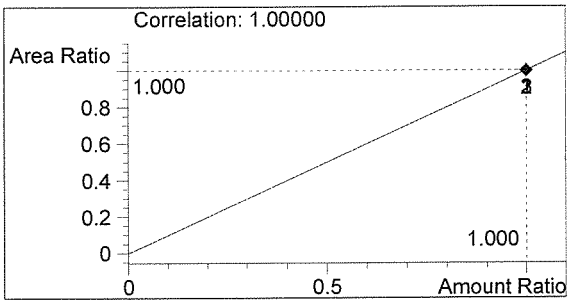


#	Compound	Area	RT
1	ETHANOL	695	1.092
2	n-PROPANOL	1468	1.858

Totals:



ETHANOL 0.099 g/100mL



n-PROPANOL 1.000 g/100mL

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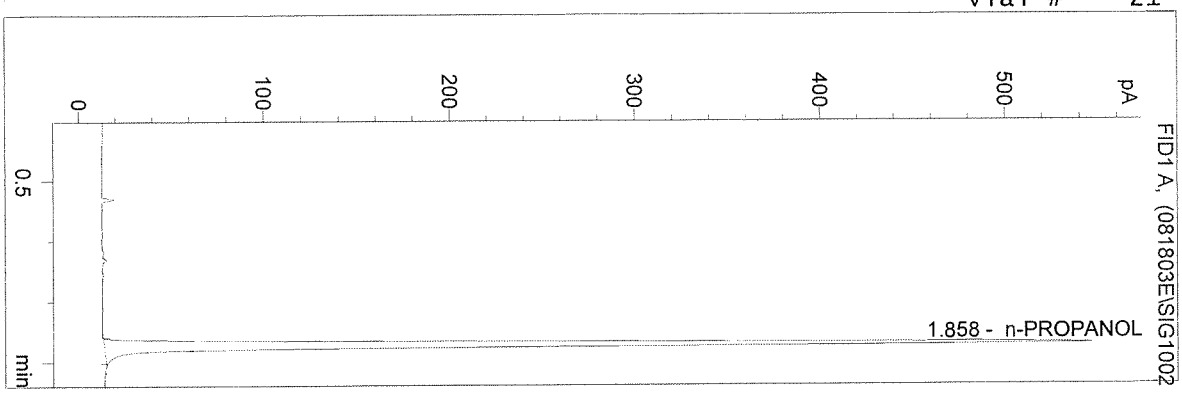
8/18/03 5:04:00 PM
Instrument 3
ALC2

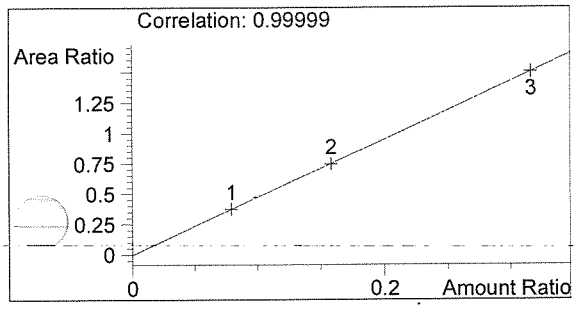
BLANK
ED FORMOSO

vial # 21

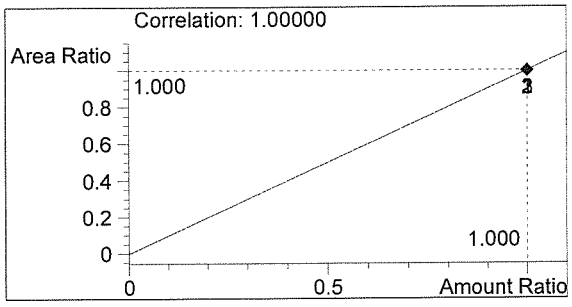


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1472	1.858

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

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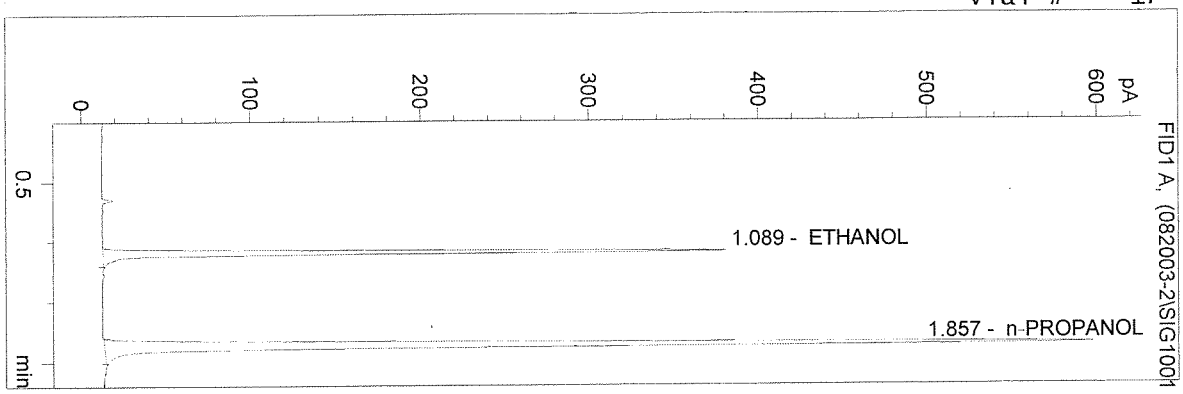
8/20/03 3:08:09 PM
Instrument 3
ALC2

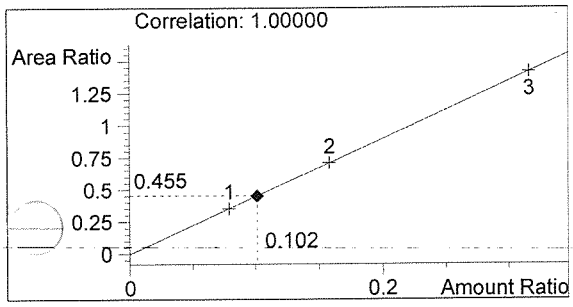
03027simsol
mary wilson

vial # 17

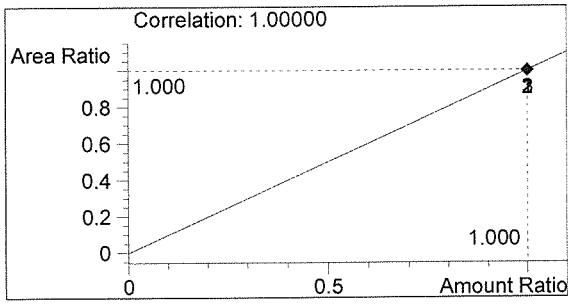


#	Compound	Area	RT
1	ETHANOL	743	1.089
2	n-PROPANOL	1631	1.857

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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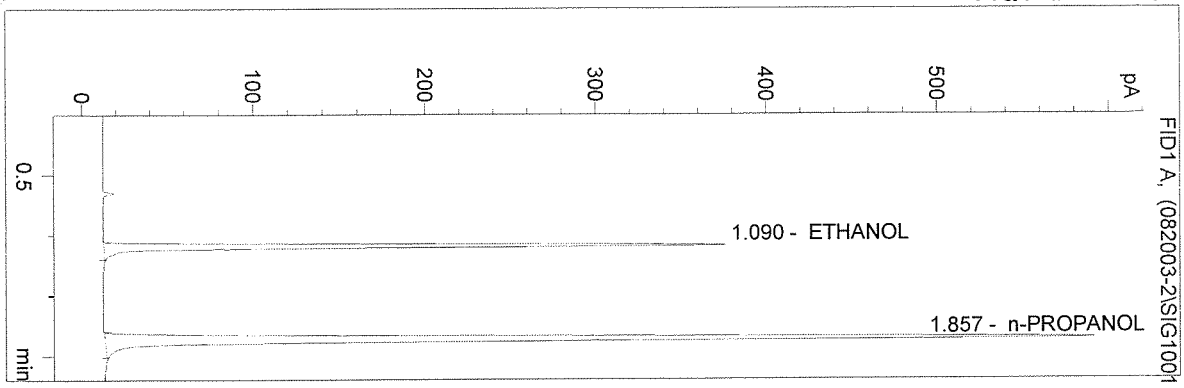
8/20/03 3:11:14 PM
Instrument 3
ALC2

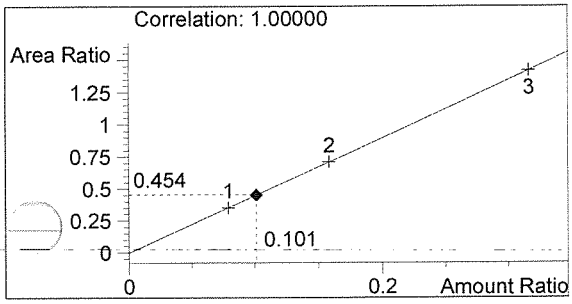
03027simsol
mary wilson

vial # 18

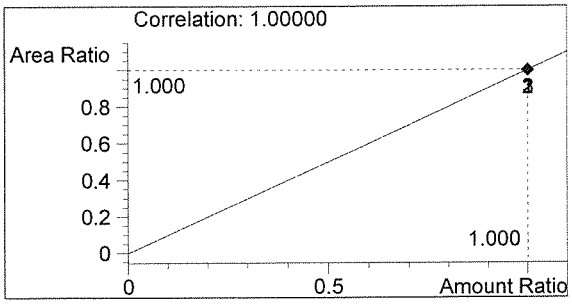


#	Compound	Area	RT
1	ETHANOL	735	1.090
2	n-PROPANOL	1619	1.857

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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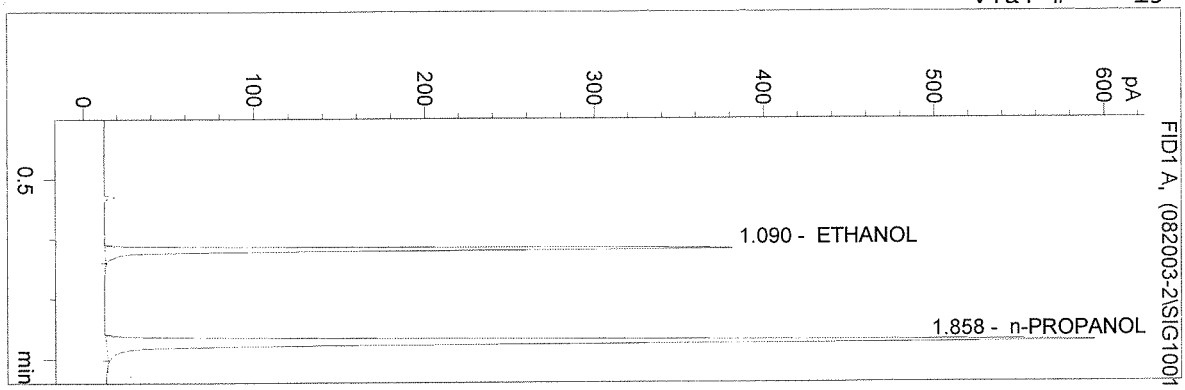
Instrument 3
ALC2

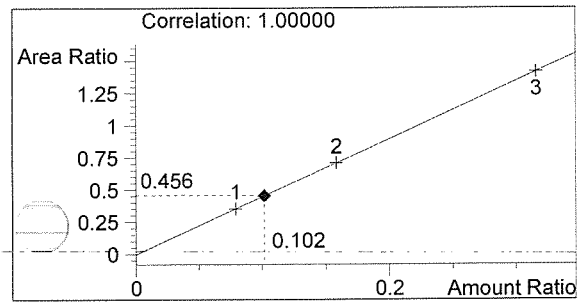
03027simsol
mary wilson

vial # 19

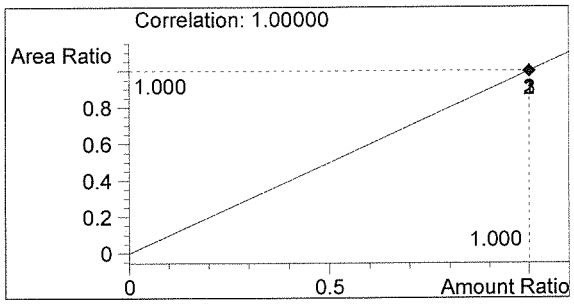


#	Compound	Area	RT
1	ETHANOL	737	1.090
2	n-PROPANOL	1617	1.858

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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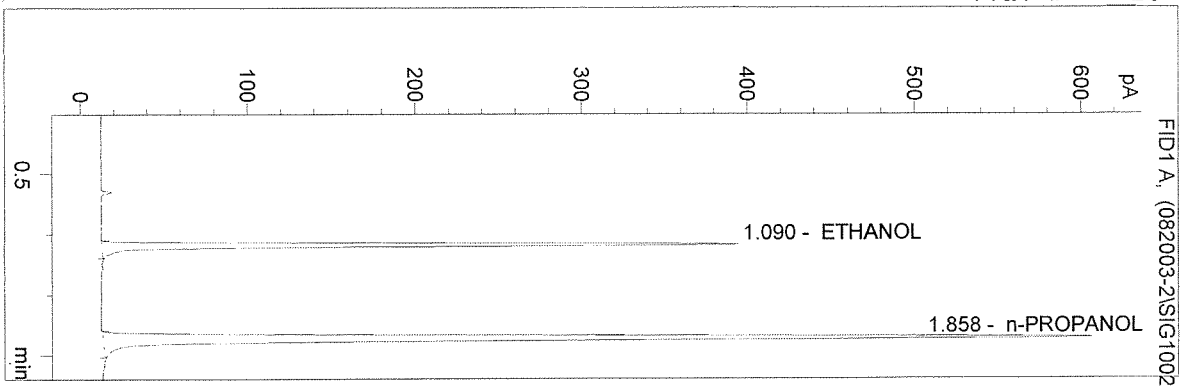
Instrument 3
ALC2

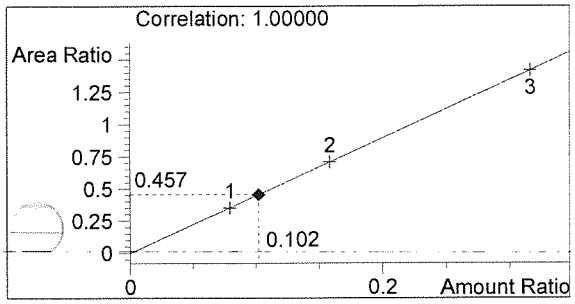
03027simsol
mary wilson

vial # 20

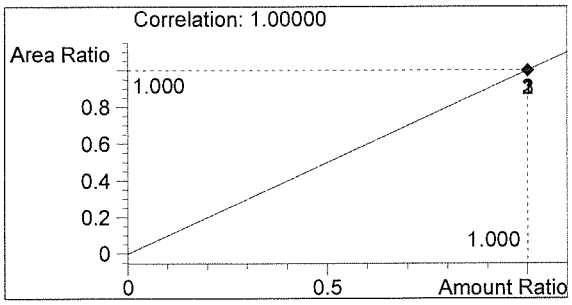


#	Compound	Area	RT
1	ETHANOL	755	1.090
2	n-PROPANOL	1651	1.858

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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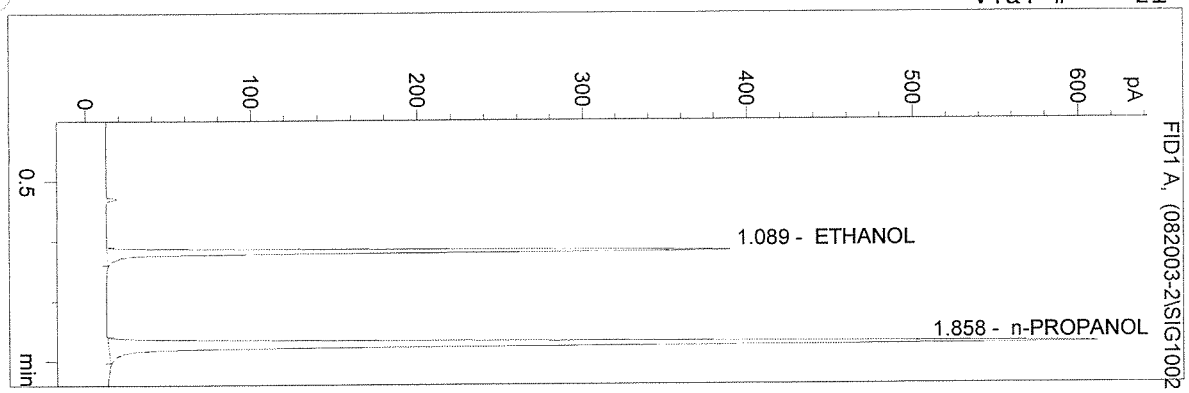
Instrument 3
ALC2

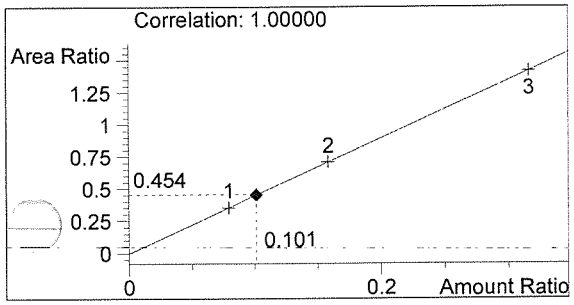
03027simsol
mary wilson

vial # 21

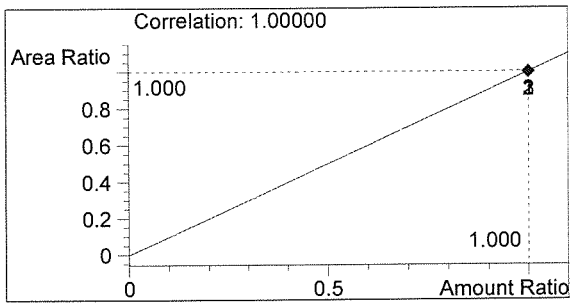


#	Compound	Area	RT
1	ETHANOL	759	1.089
2	n-PROPANOL	1671	1.858

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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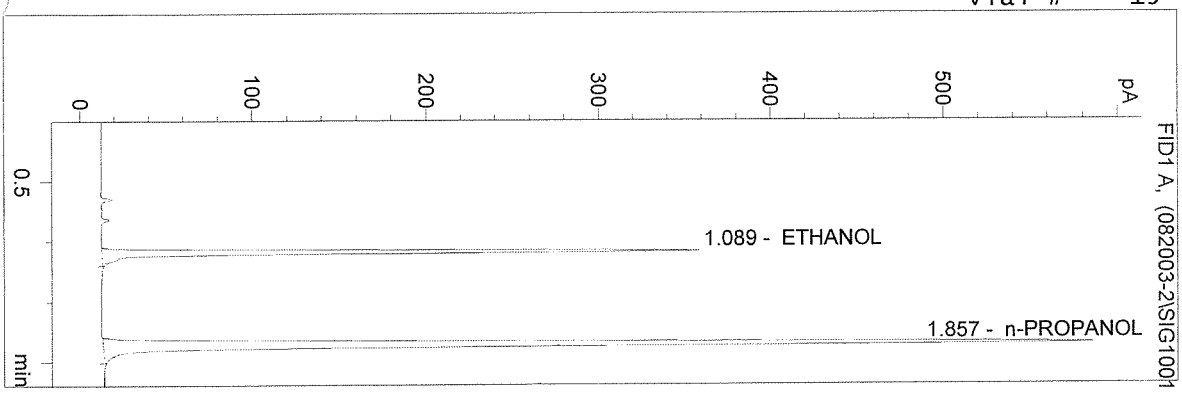
Instrument 3
D:\ALC2

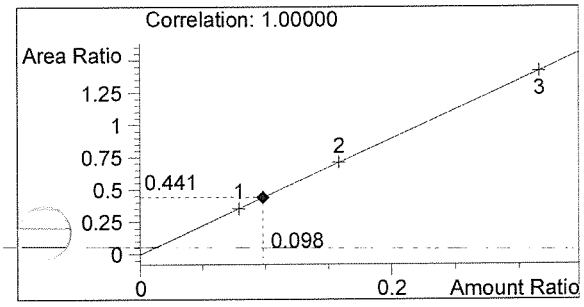
0.10ctl
mary wilson

vial # 15

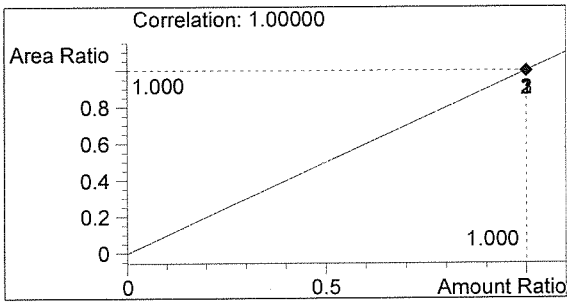


#	Compound	Area	RT
1	ETHANOL	707	1.089
2	n-PROPANOL	1603	1.857

Totals:



ETHANOL 0.098 g/100mL



n-PROPANOL 1.000 g/100mL

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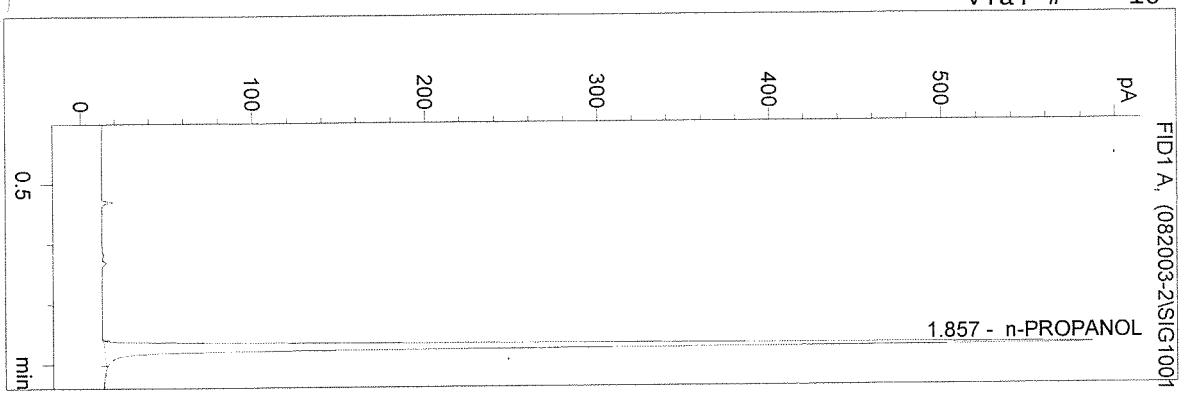
Instrument 3
DP-ALC2

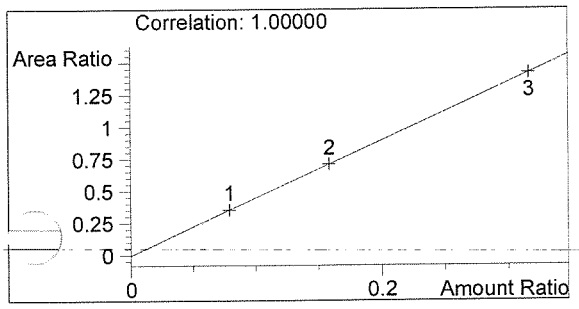
blank
mary wilson

vial # 16

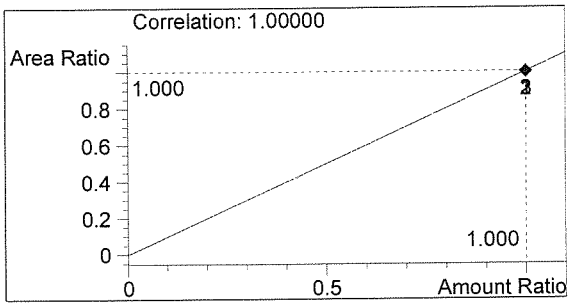


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1597	1.857

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

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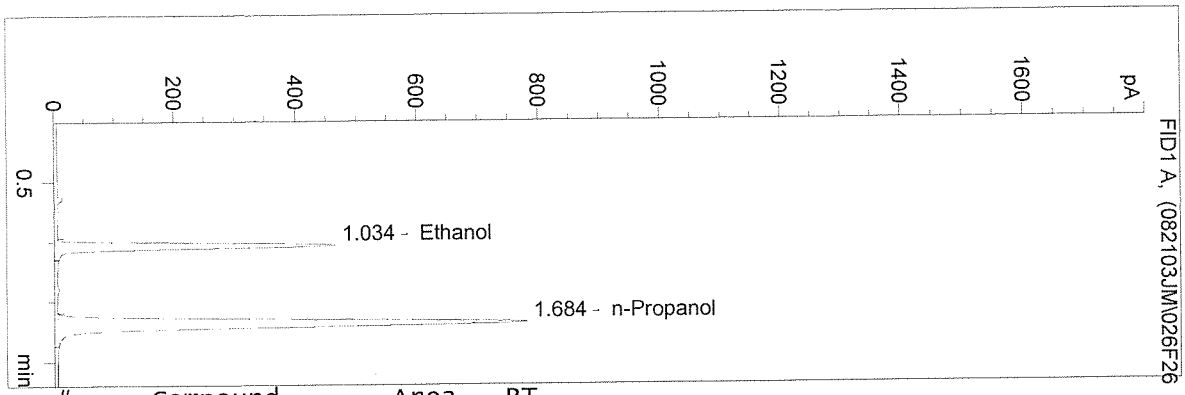
Instrument 2
ALC1

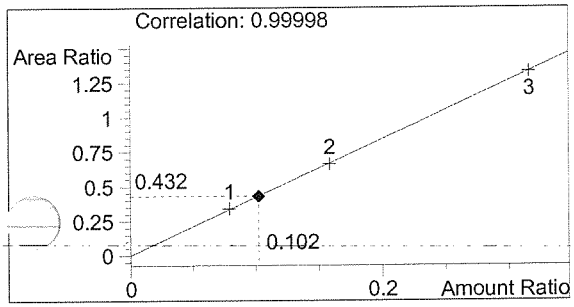
Sim. Sol. 03027
Estuardo J. Miranda

vial # 26

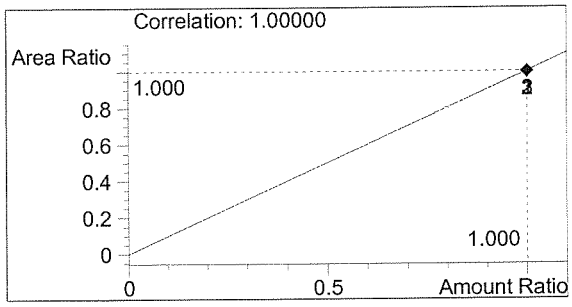


#	Compound	Area	RT
1	Ethanol	1416	1.034
2	n-Propanol	3274	1.684

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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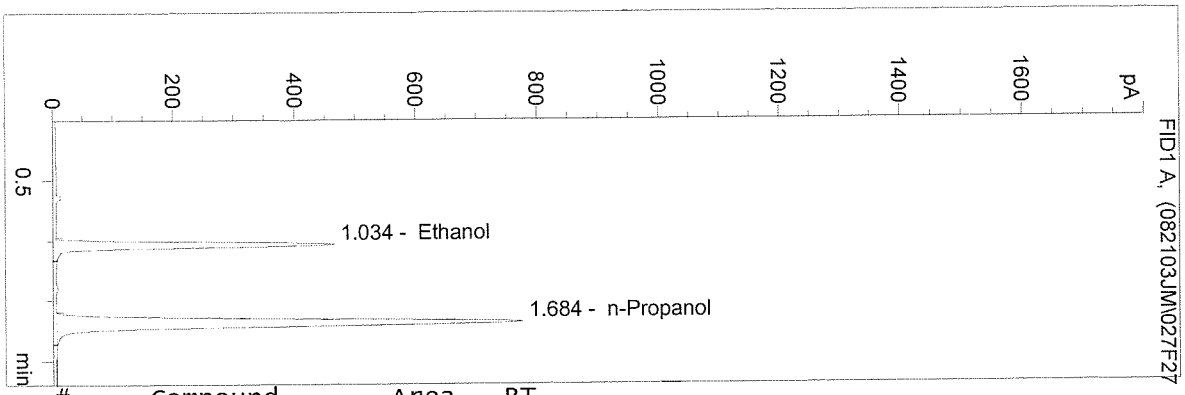
Instrument 2
ALC1

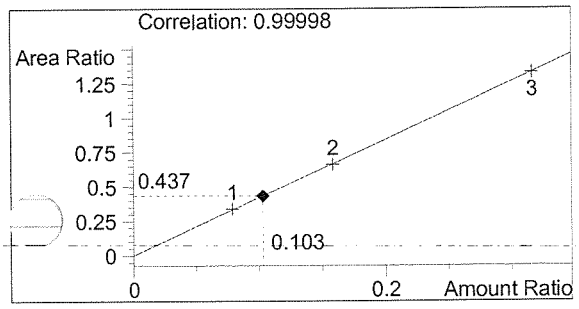
Sim. Sol. 03027
Estuardo J. Miranda

vial # 27

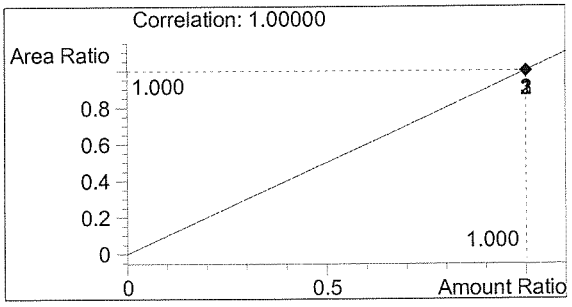


#	Compound	Area	RT
1	Ethanol	1419	1.034
2	n-Propanol	3243	1.684

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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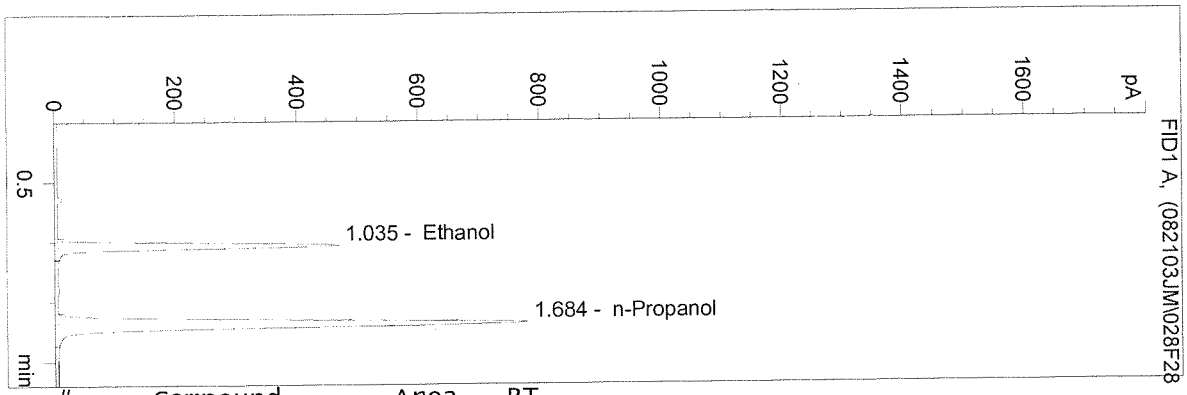
Instrument 2
ALC1

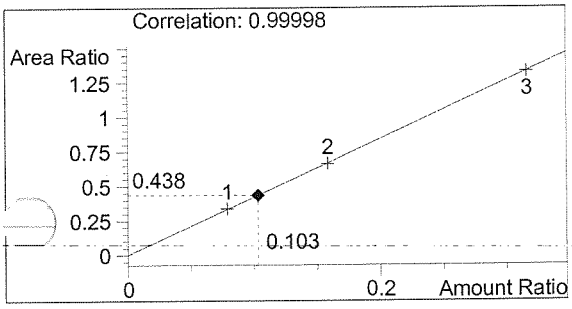
Sim. Sol. 03027
Estuardo J. Miranda

vial # 28

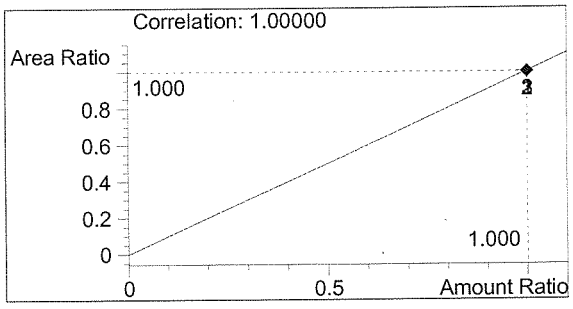


#	Compound	Area	RT
1	Ethanol	1433	1.035
2	n-Propanol	3275	1.684

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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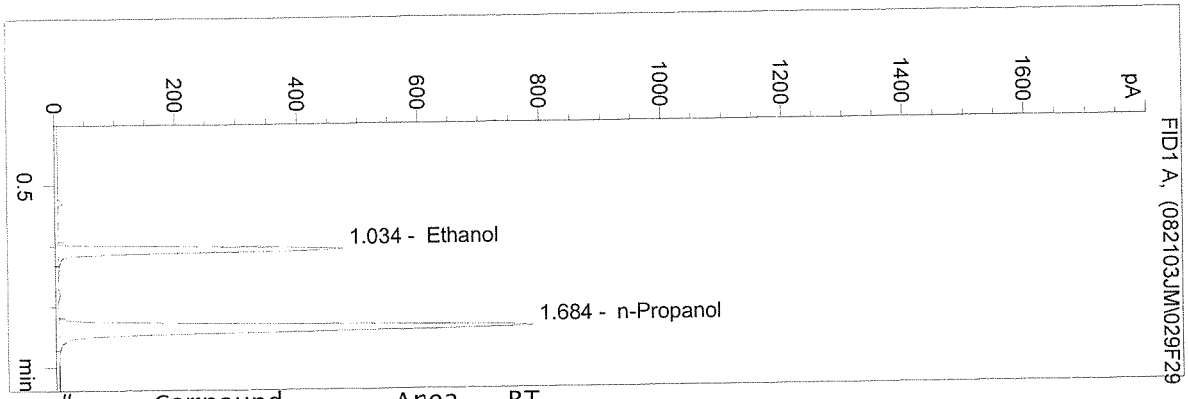
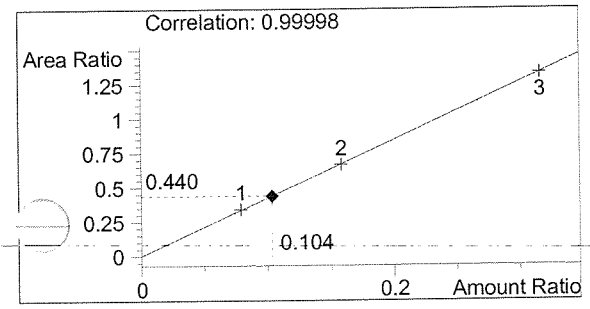
Instrument 2
ALC1

Sim. Sol. 03027
Estuardo J. Miranda

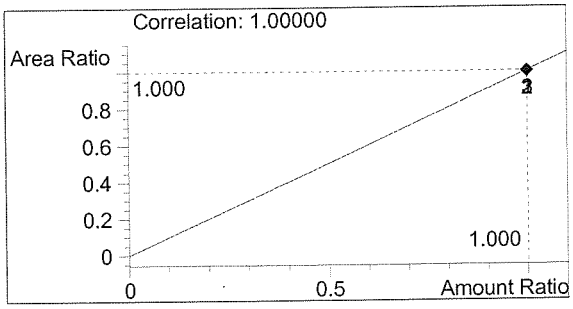
vial # 29



#	Compound	Area	RT
1	Ethanol	1452	1.034
2	n-Propanol	3302	1.684
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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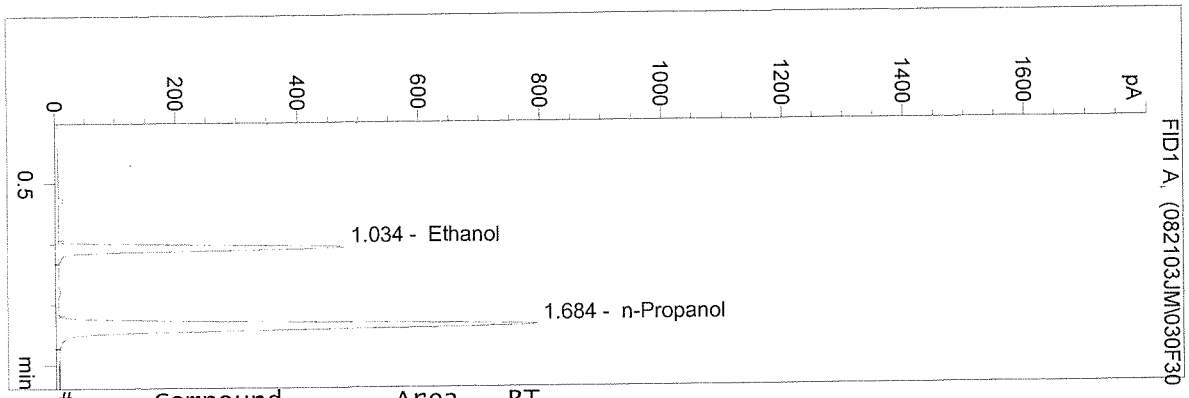
Instrument 2
ALC1

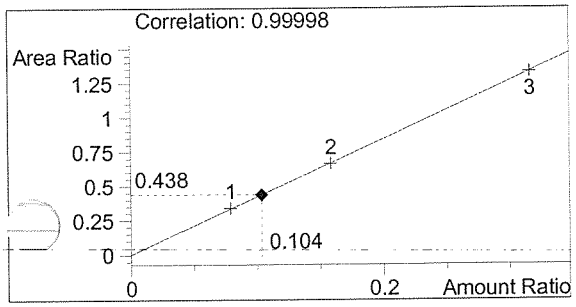
Sim. Sol. 03027
Estuardo J. Miranda

vial # 30

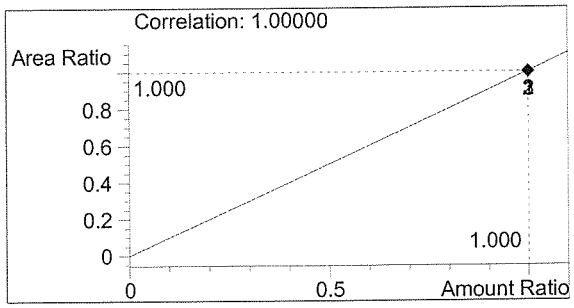


#	Compound	Area	RT
1	Ethanol	1459	1.034
2	n-Propanol	3332	1.684

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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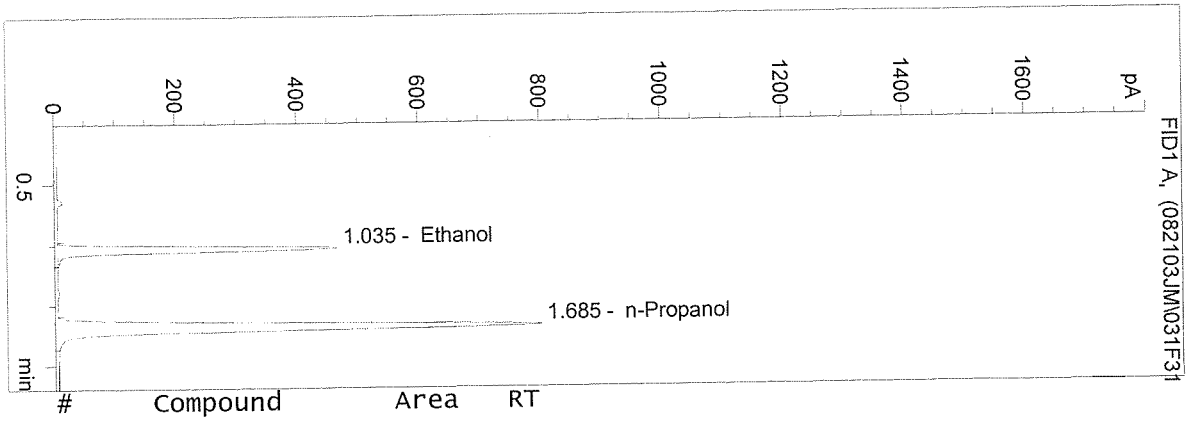
Instrument 2
ALC1

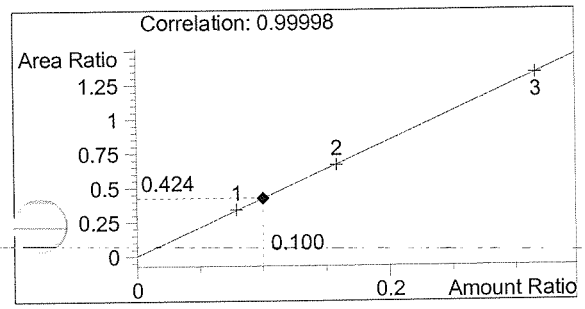
0.100 Control
Estuardo J. Miranda

vial # 31

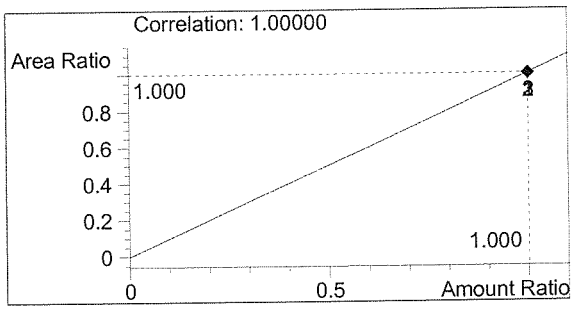


#	Compound	Area	RT
1	Ethanol	1425	1.035
2	n-Propanol	3361	1.685

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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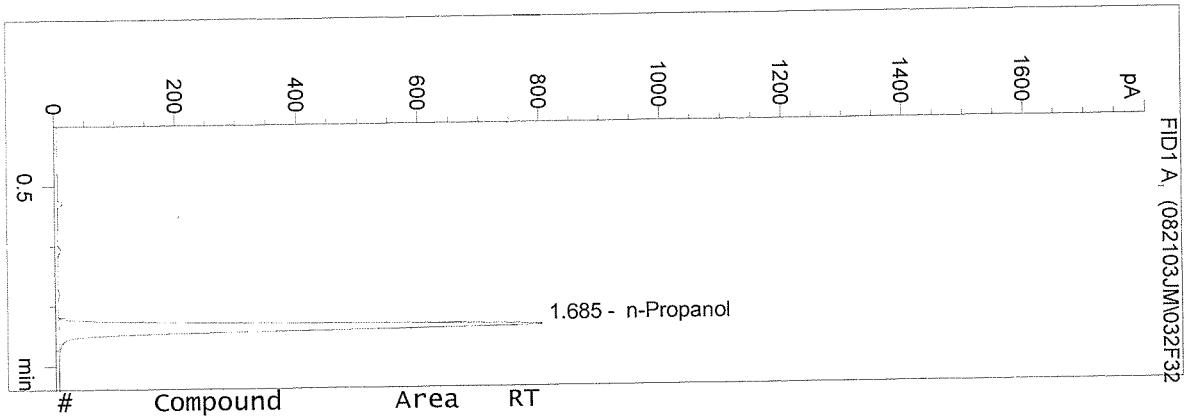
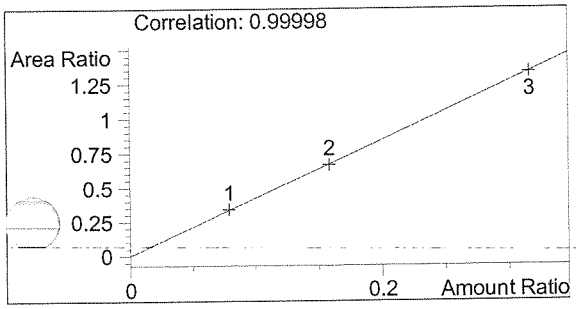
Estuardo J. Miranda

vial # 32

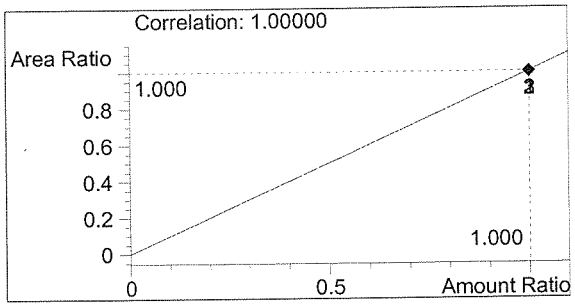


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3365	1.685

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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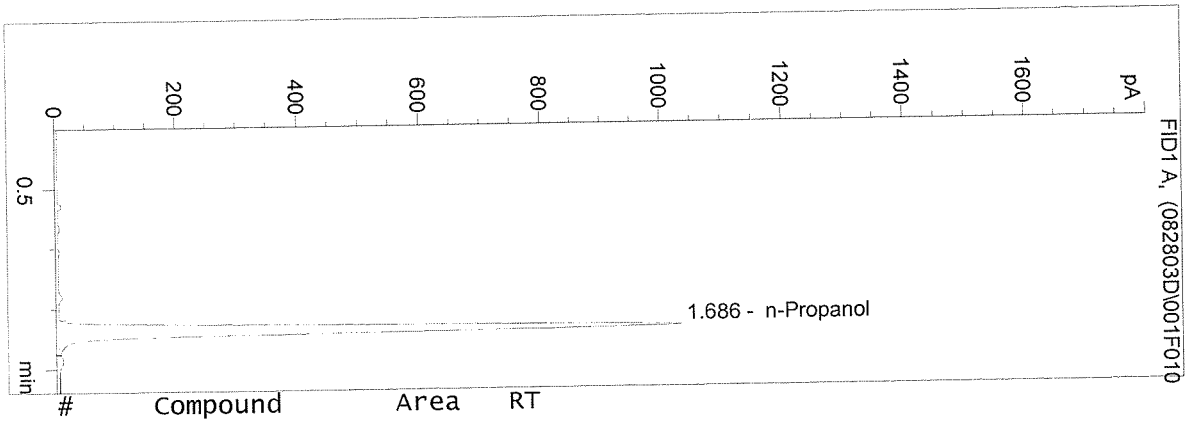
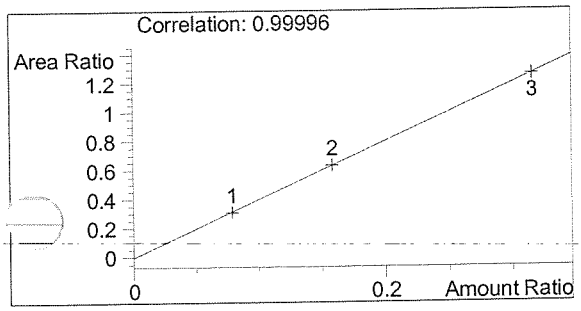
Dora Schranz

vial # 1

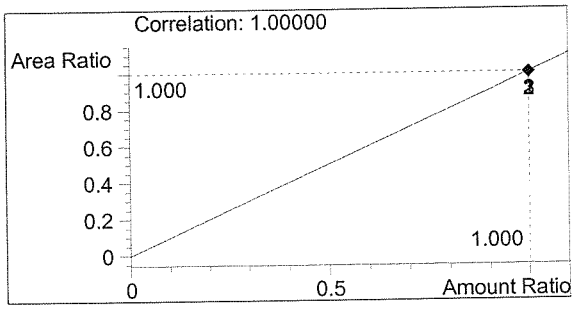


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4394	1.686

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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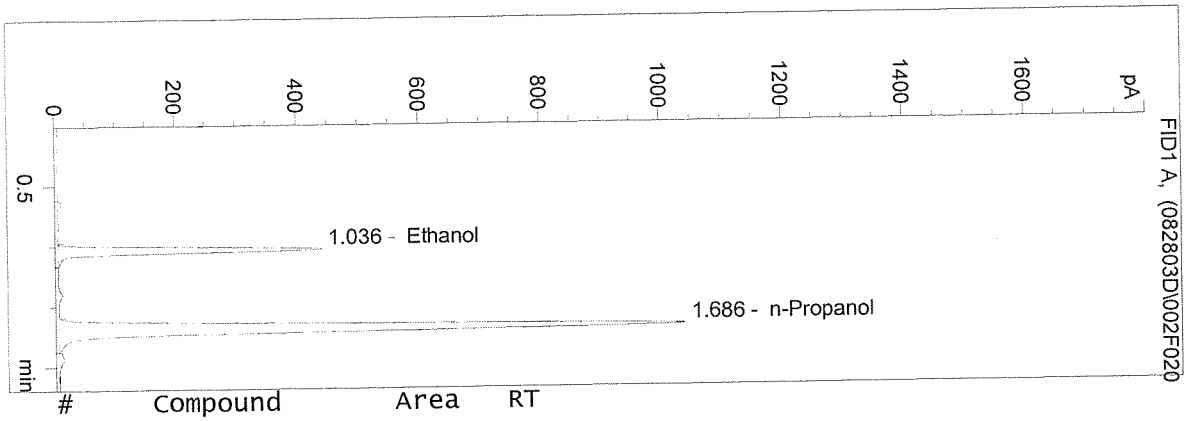
Instrument 2
ALC1

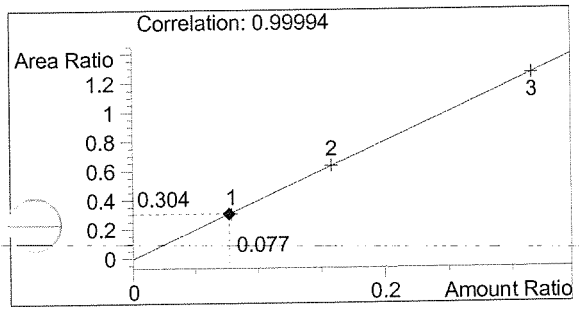
0.079 CAL
Dora Schranz

vial # 2

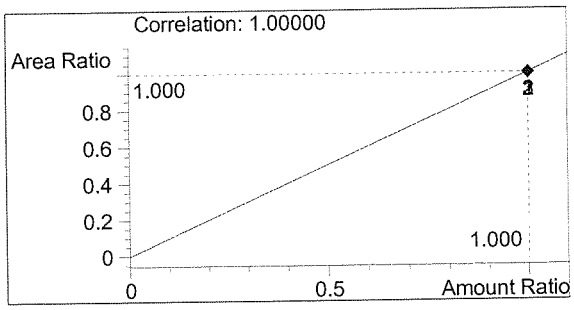


#	Compound	Area	RT
1	Ethanol	1343	1.036
2	n-Propanol	4424	1.686

Totals:



Ethanol 0.077 g/100ml



n-Propanol 1.000 g/100ml

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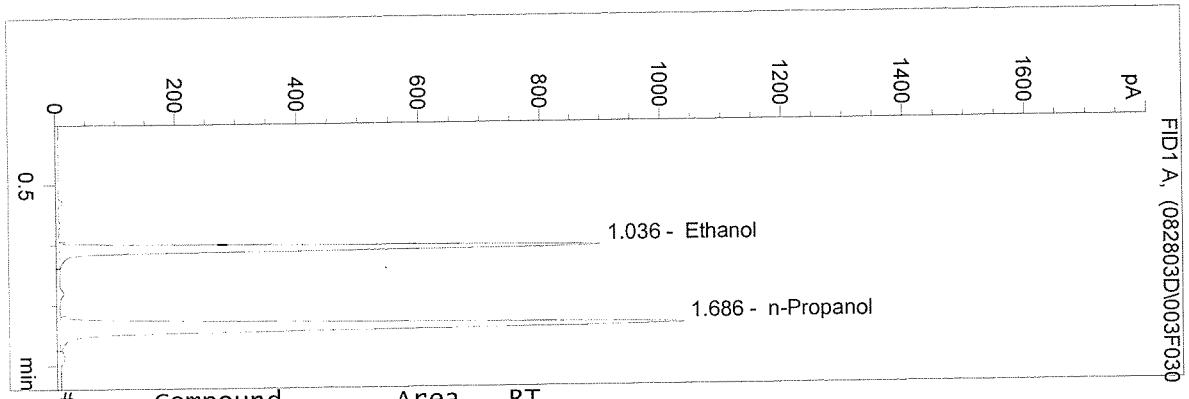
8/28/03 11:31:54 AM
Instrument 2
ALC1

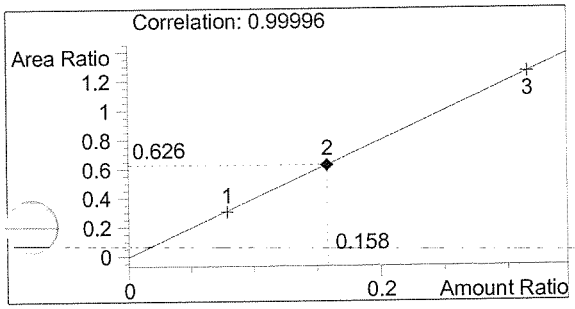
0.158 CAL
Dora Schranz

vial # 3

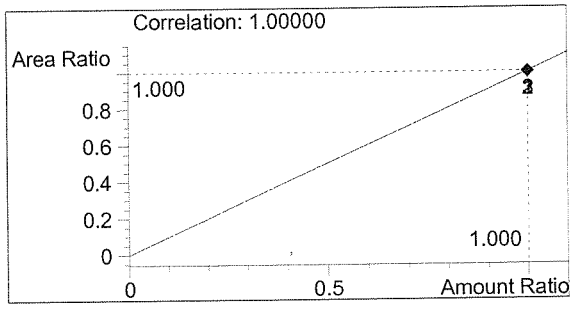


#	Compound	Area	RT
1	Ethanol	2762	1.036
2	n-Propanol	4414	1.686

Totals:



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

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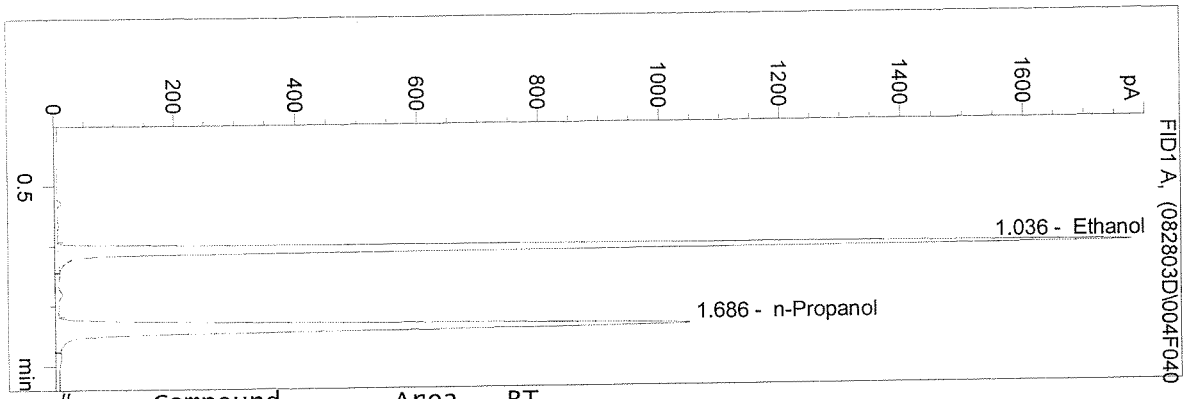
8/28/03 11:34:57 AM
Instrument 2
ALC1

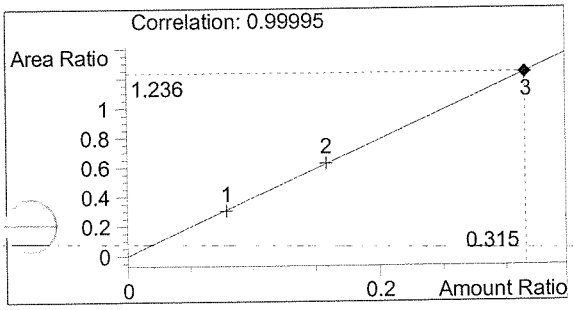
0.316 CAL
Dora Schranz

vial # 4

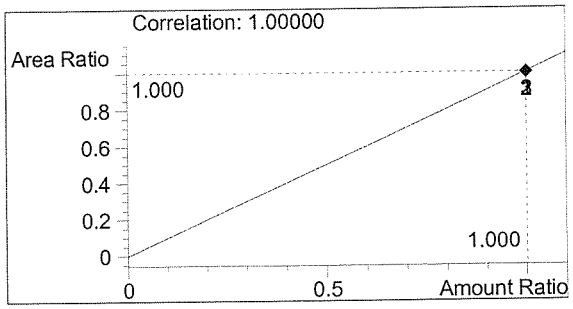


#	Compound	Area	RT
1	Ethanol	5457	1.036
2	n-Propanol	4416	1.686

Totals:



Ethanol 0.315 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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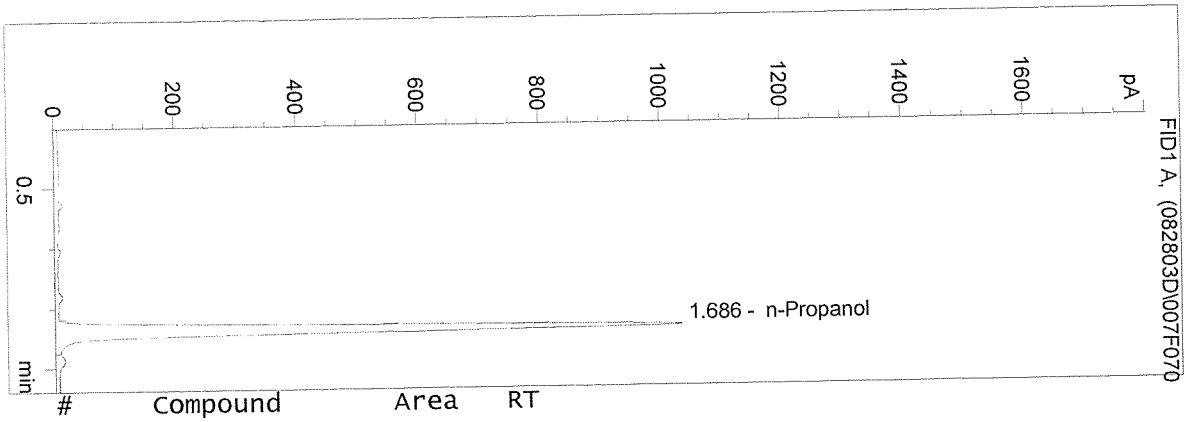
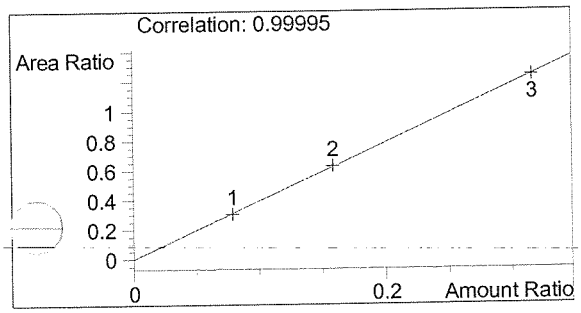
Dora Schranz

vial # 7

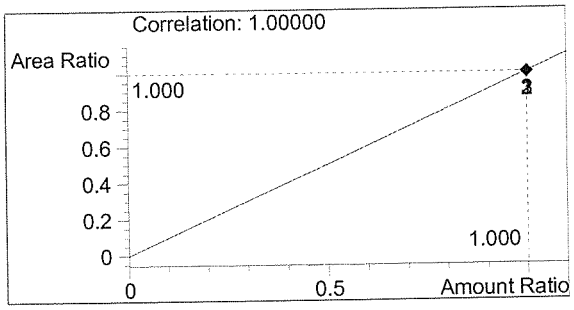


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4404	1.686

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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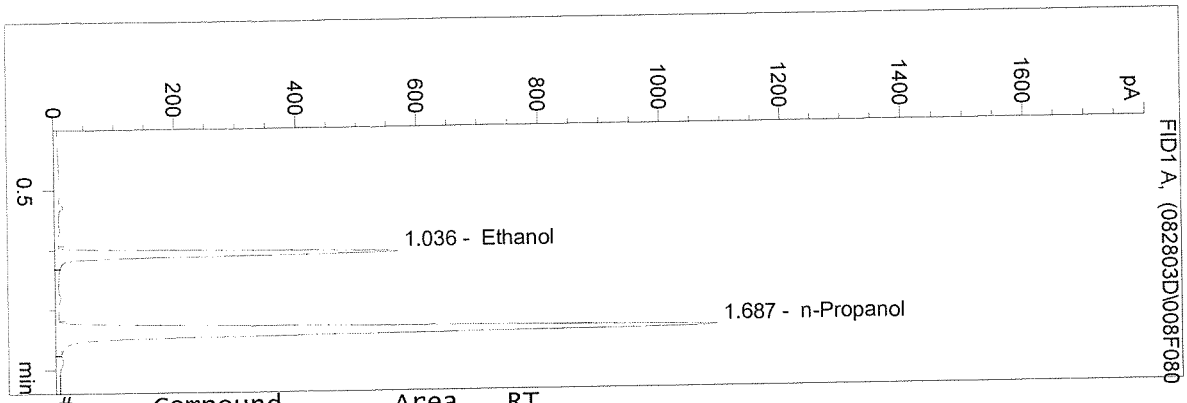
Instrument 2
ALC1

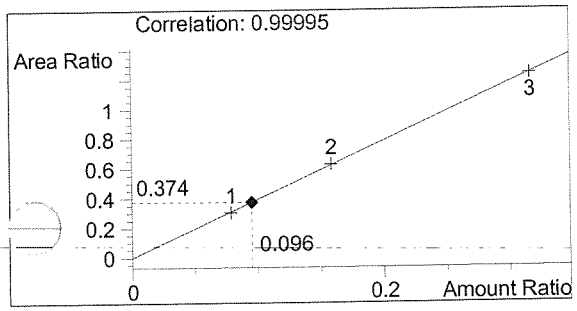
03027 1
Dora Schranz

vial # 8

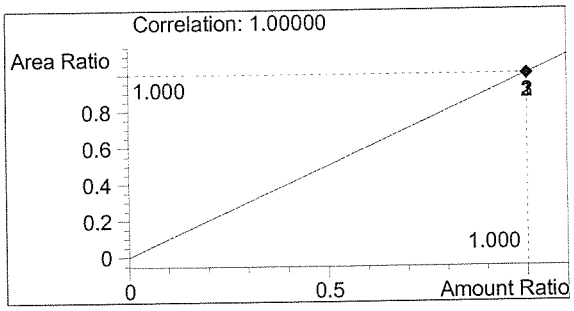


#	Compound	Area	RT
1	Ethanol	1720	1.036
2	n-Propanol	4601	1.687

Totals:



Ethanol 0.096 g/100ml



n-Propanol 1.000 g/100ml

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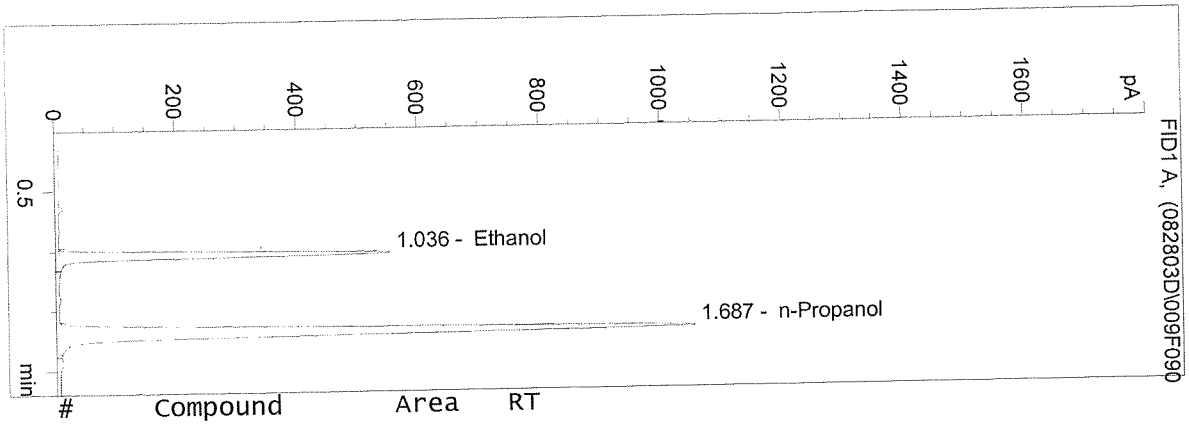
Instrument 2
ALC1

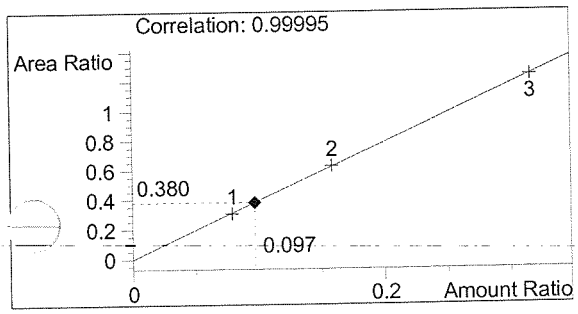
03027 2
Dora Schranz

vial # 9

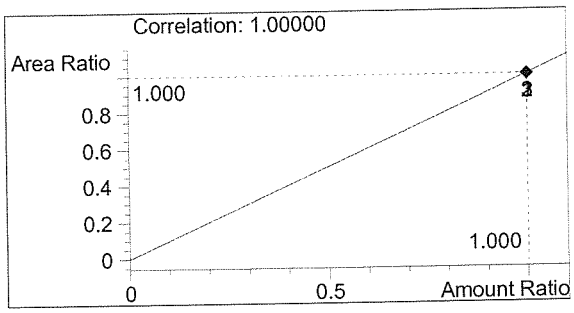


#	Compound	Area	RT
1	Ethanol	1688	1.036
2	n-Propanol	4444	1.687

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

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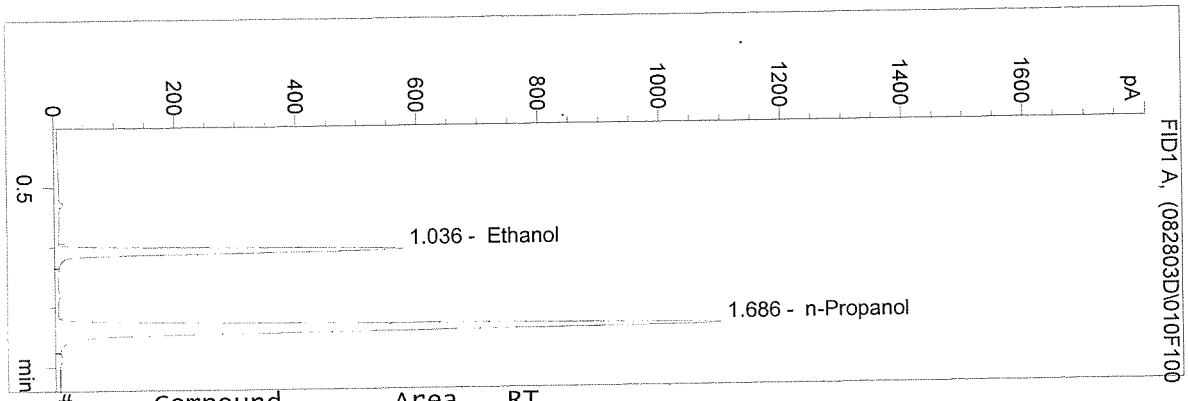
Instrument 2
ALC1

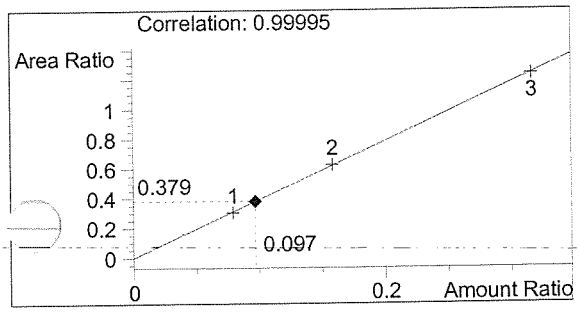
03027 3
Dora Schranz

vial # 10

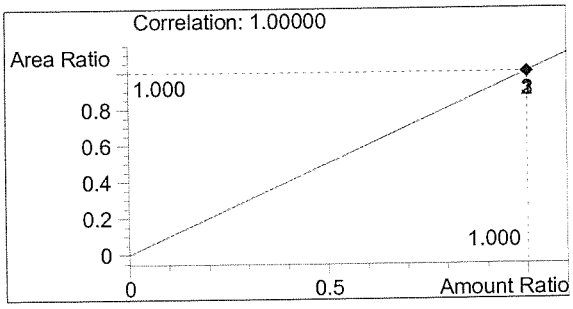


#	Compound	Area	RT
1	Ethanol	1756	1.036
2	n-Propanol	4628	1.686

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

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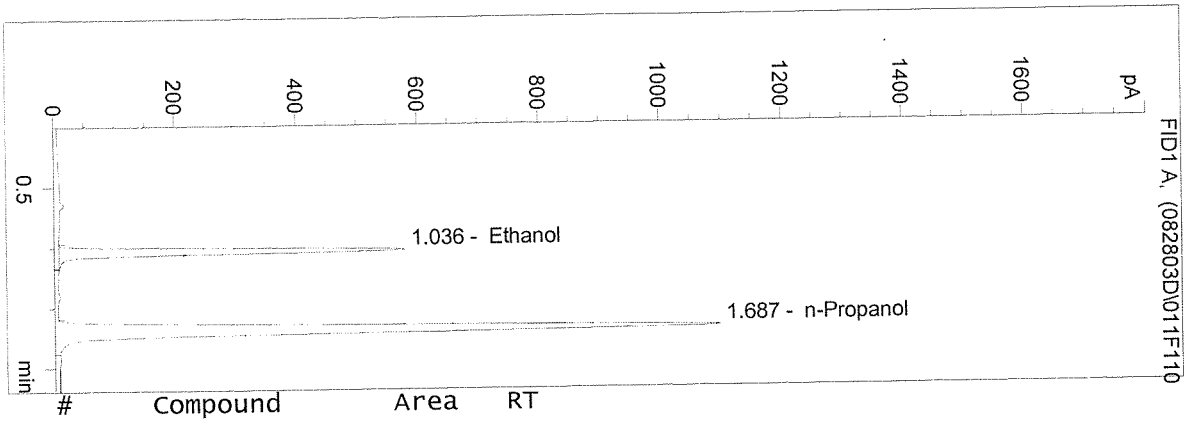
Instrument 2
ALC1

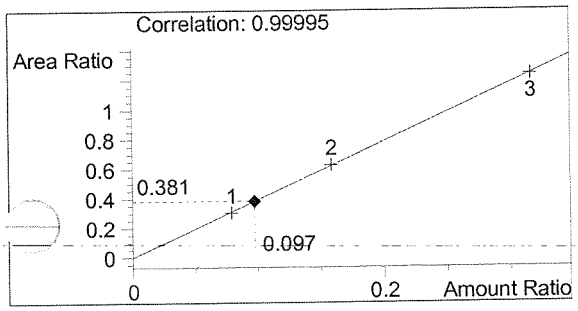
03027 4
Dora Schranz

vial # 11

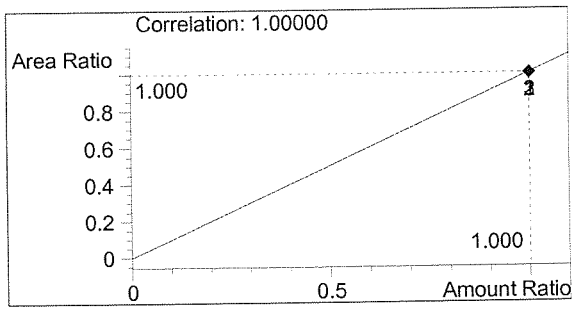


#	Compound	Area	RT
1	Ethanol	1763	1.036
2	n-Propanol	4622	1.687

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

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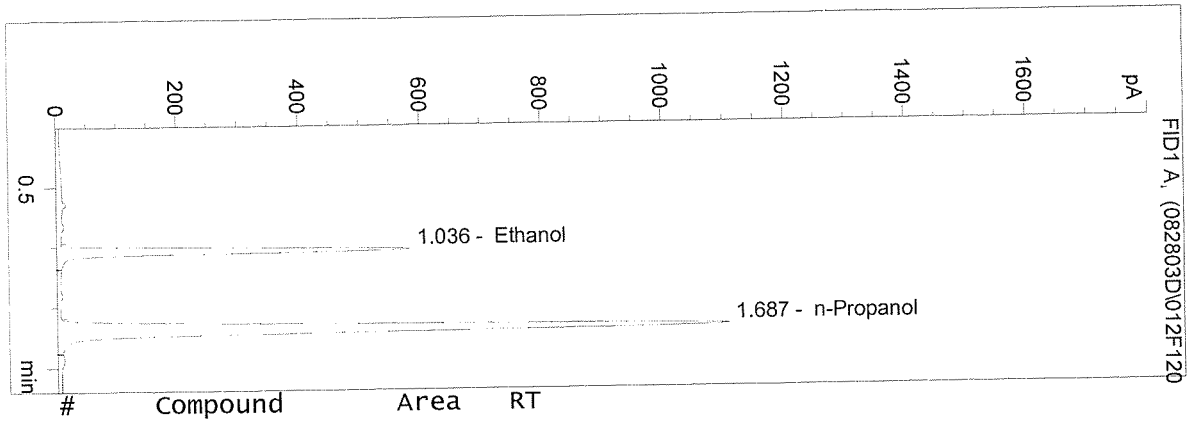
Instrument 2
ALC1

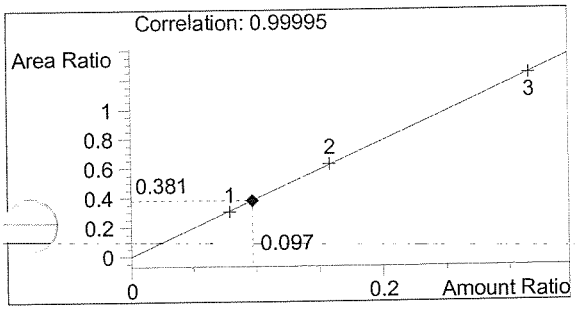
03027 5
Dora Schranz

vial # 12

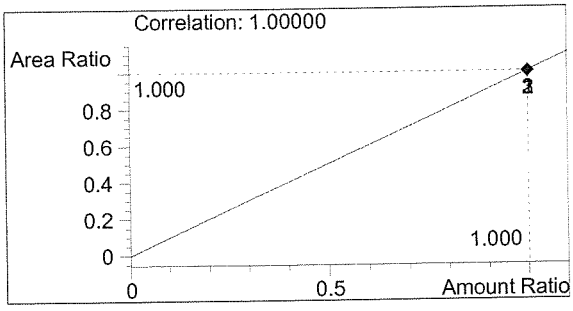


#	Compound	Area	RT
1	Ethanol	1783	1.036
2	n-Propanol	4684	1.687

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

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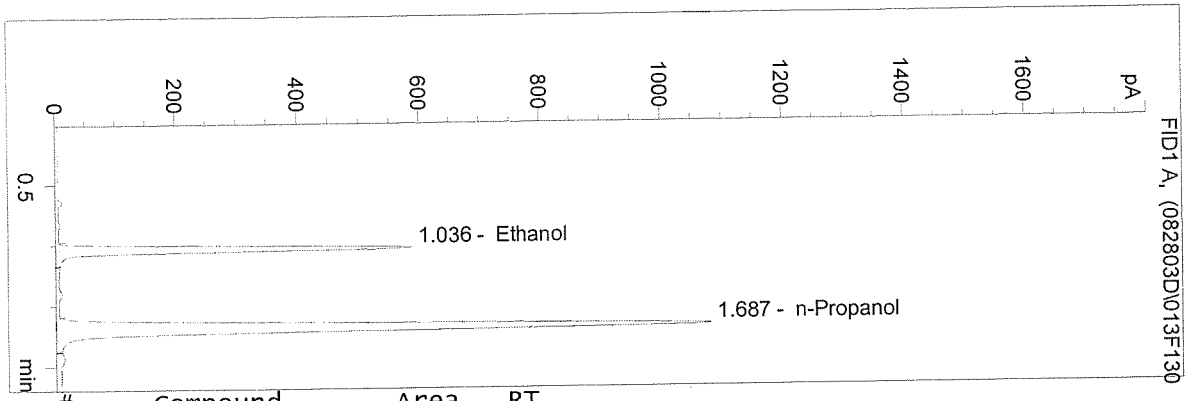
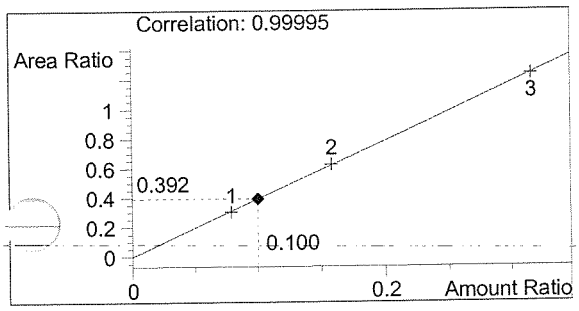
Instrument 2
ALC1

0.1 CONTROL
Dora Schranz

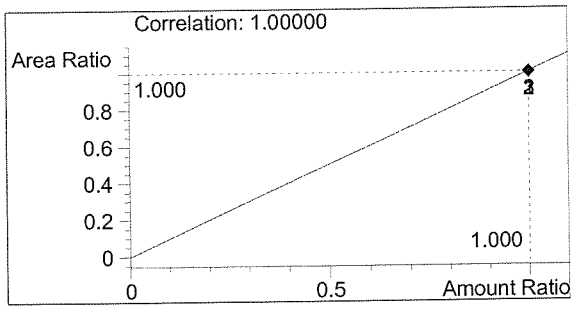
vial # 13



#	Compound	Area	RT
1	Ethanol	1803	1.036
2	n-Propanol	4596	1.687
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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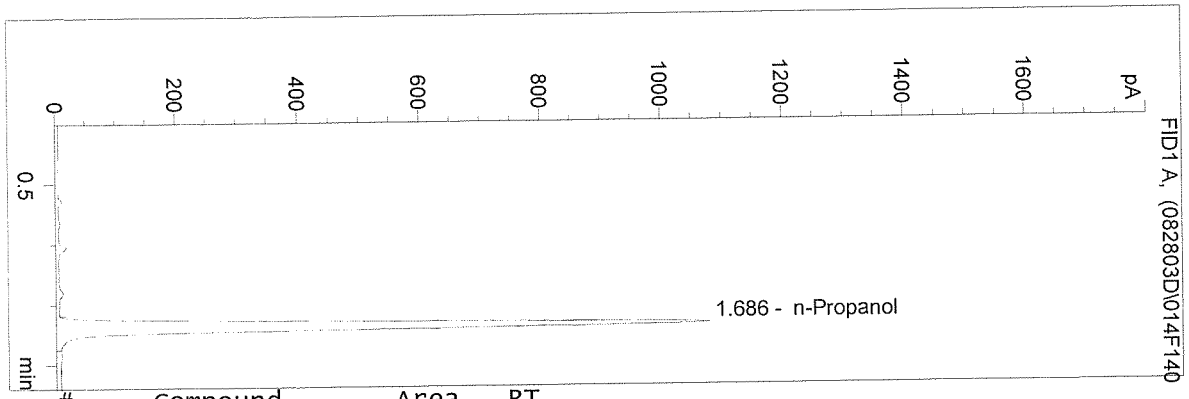
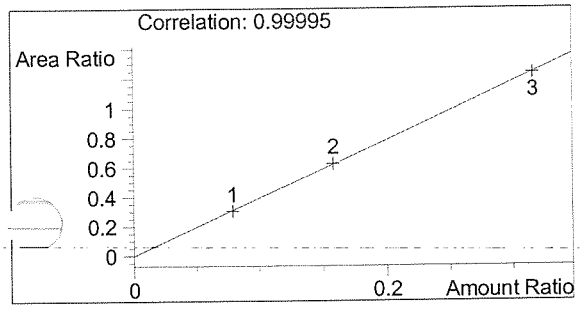
Dora Schranz

vial # 14

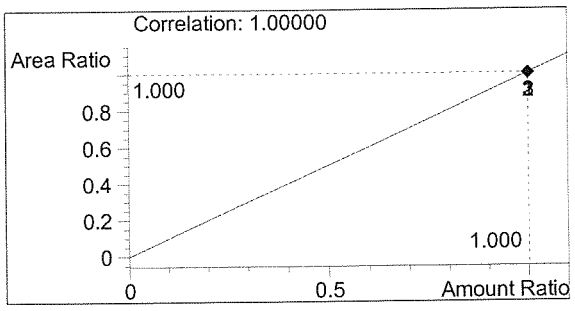


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4545	1.686

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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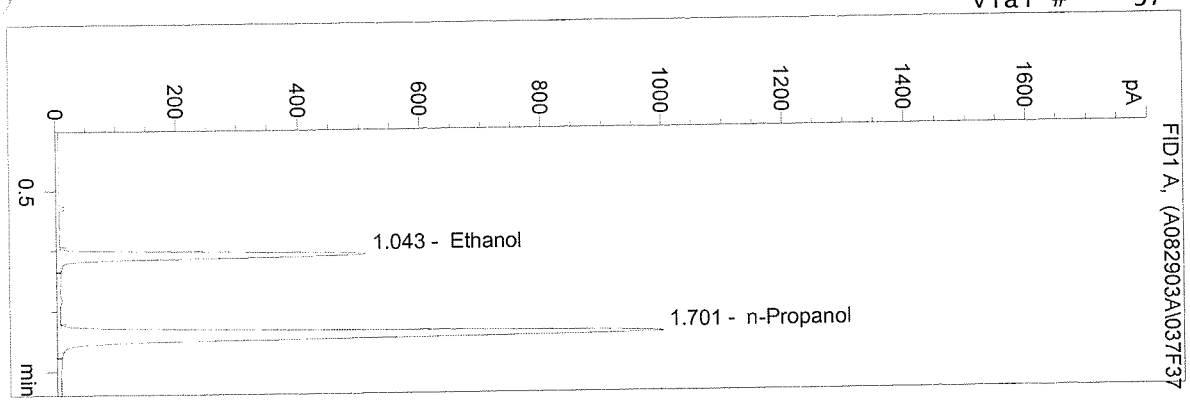
Instrument 1
ALC1

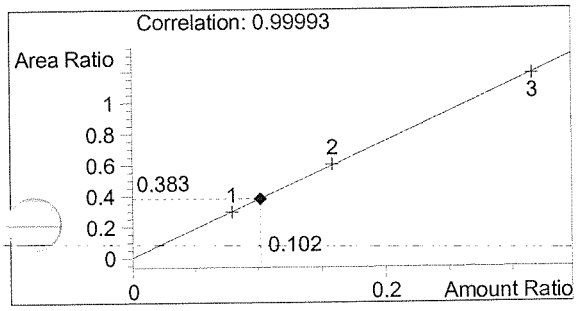
03027 sim sol
alouis

vial # 37

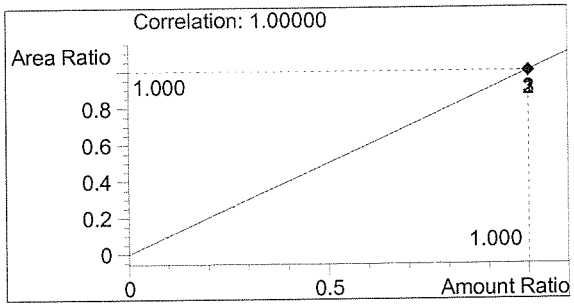


#	Compound	Area	RT
1	Ethanol	1651	1.043
2	n-Propanol	4311	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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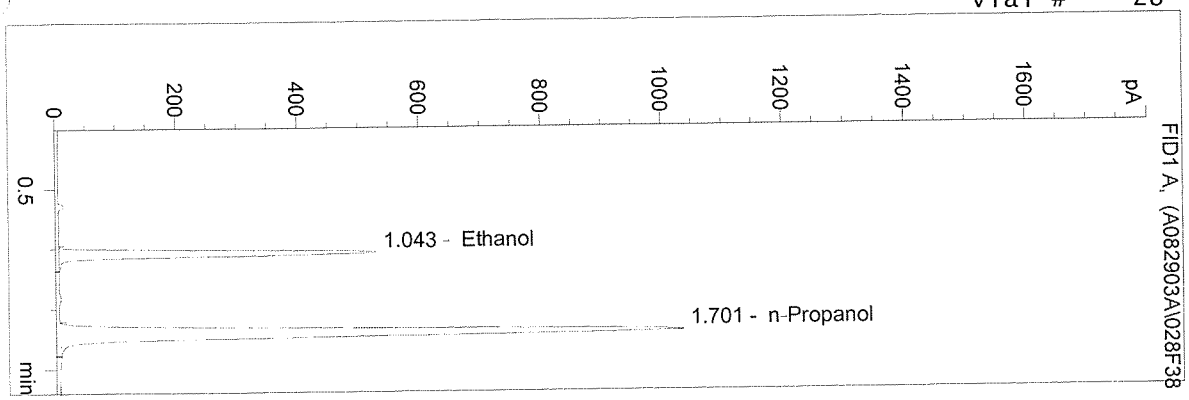
Instrument 1
ALC1

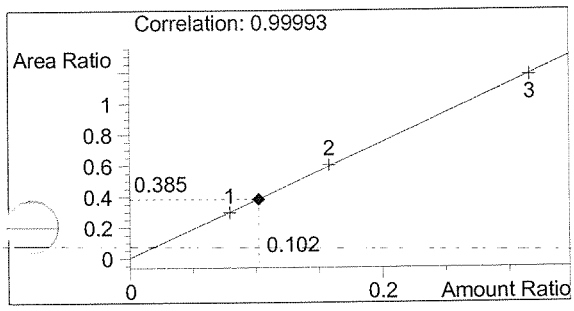
03027 sim sol
alouis

vial # 28

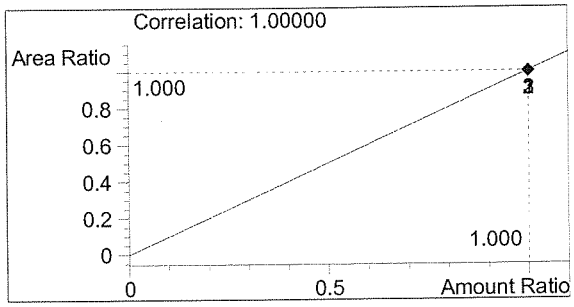


#	Compound	Area	RT
1	Ethanol	1722	1.043
2	n-Propanol	4472	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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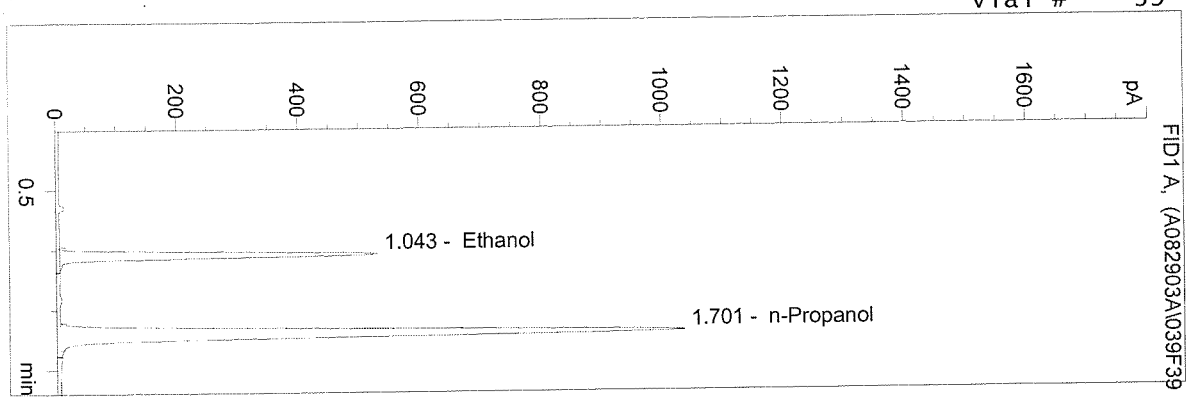
8/29/03 4:36:07 PM
Instrument 1
ALC1

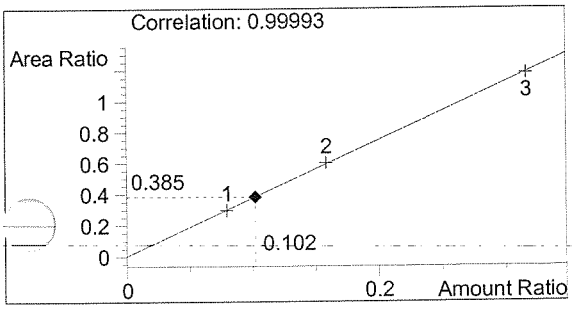
03027 sim sol
alouis

vial # 39

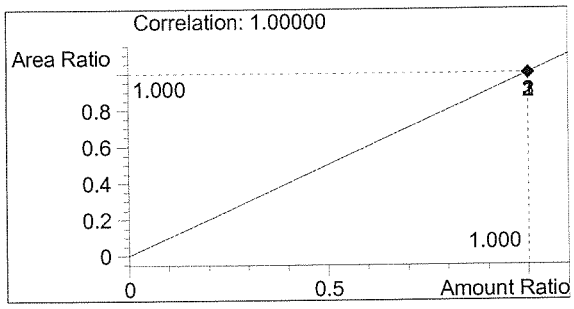


#	Compound	Area	RT
1	Ethanol	1716	1.043
2	n-Propanol	4463	1.701

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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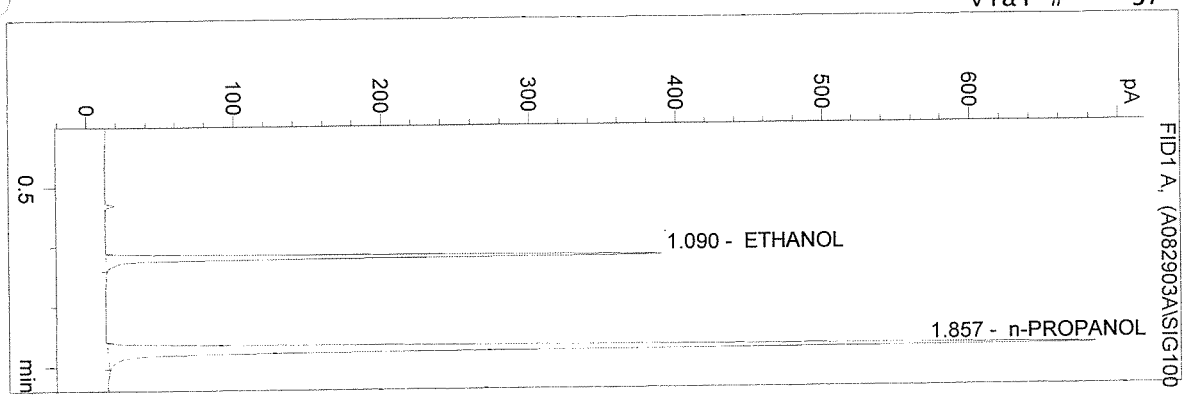
8/29/03 4:35:10 PM
Instrument 3

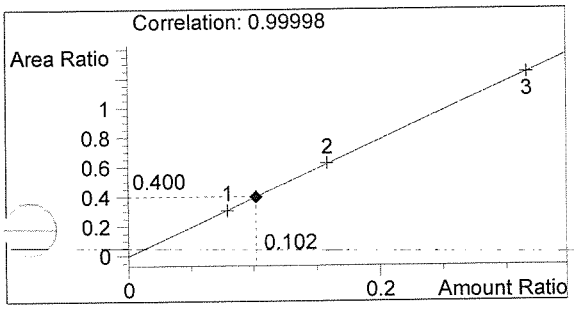
03027 sim sol
alouis

vial # 37

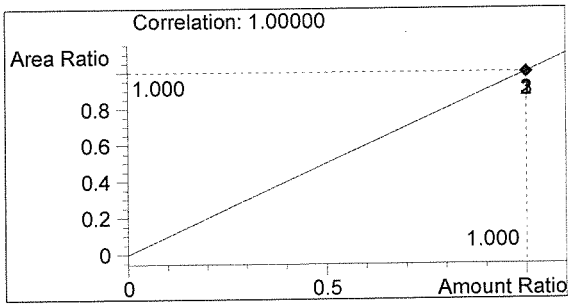


#	Compound	Area	RT
1	ETHANOL	746	1.090
2	n-PROPANOL	1863	1.857

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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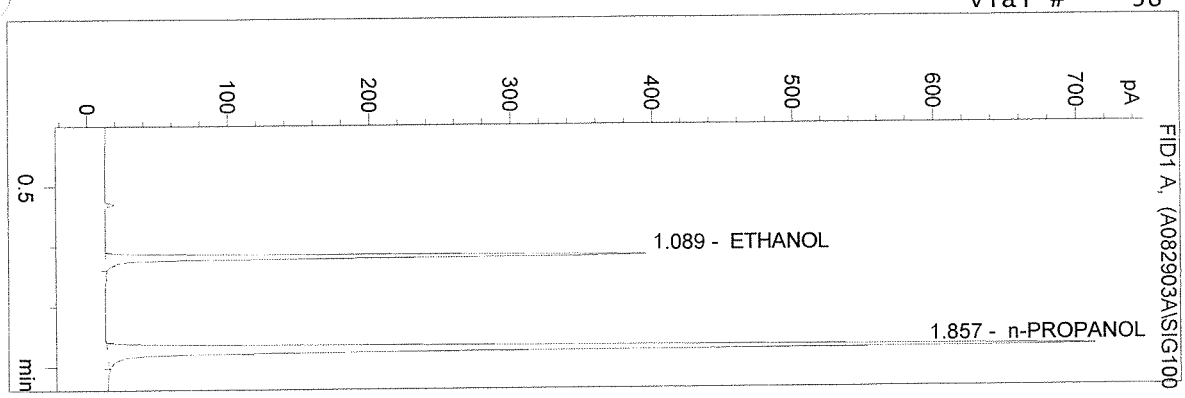
Instrument 3

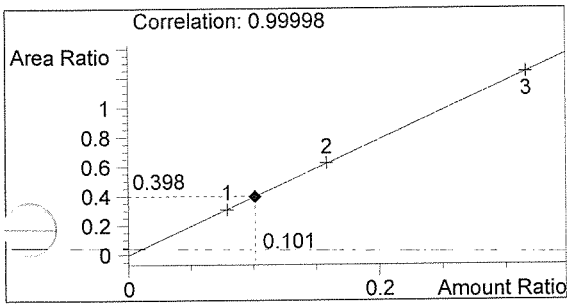
03027 sim sol
alouis

vial # 38

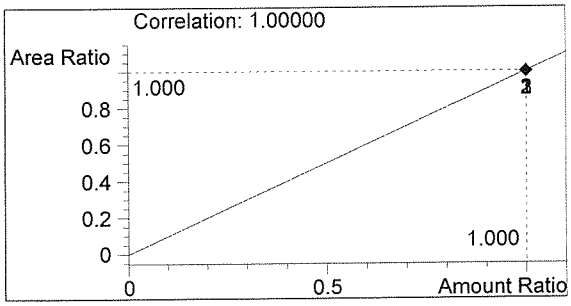


#	Compound	Area	RT
1	ETHANOL	779	1.089
2	n-PROPANOL	1957	1.857

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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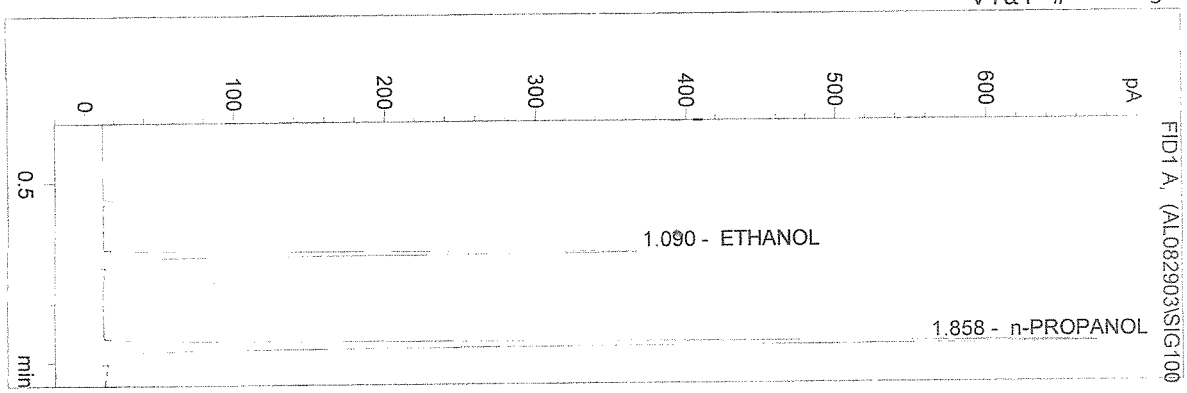
8/29/03 1:38:54 PM
Instrument 3

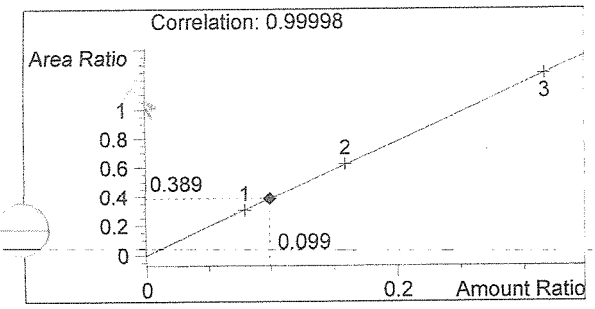
0.100 con
alouis

vial # 9

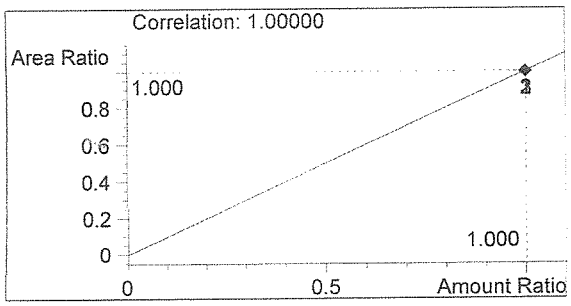


#	Compound	Area	RT
1	ETHANOL	718	1.090
2	n-PROPANOL	1849	1.858

Totals:



ETHANOL 0.099 g/100mL

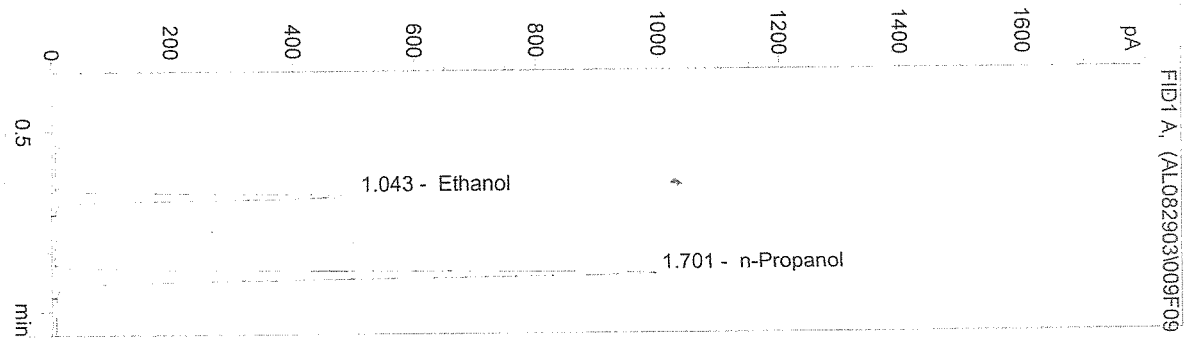


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO.M
8/29/03 1:44:16 PM
Instrument 1
B-ALC1

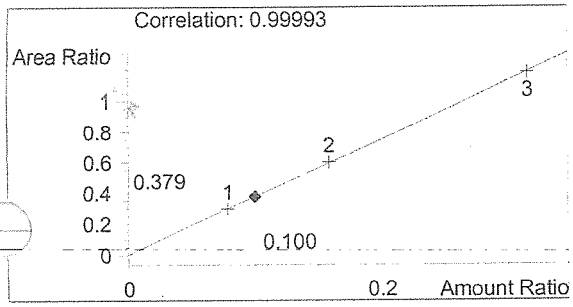
0.100 con
alouis

vial # 9

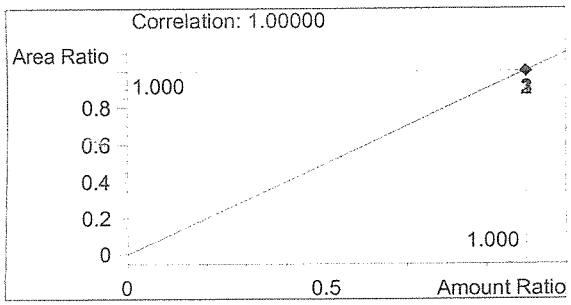


#	Compound	Area	RT
1	Ethanol	1624	1.043
2	n-Propanol	4290	1.701

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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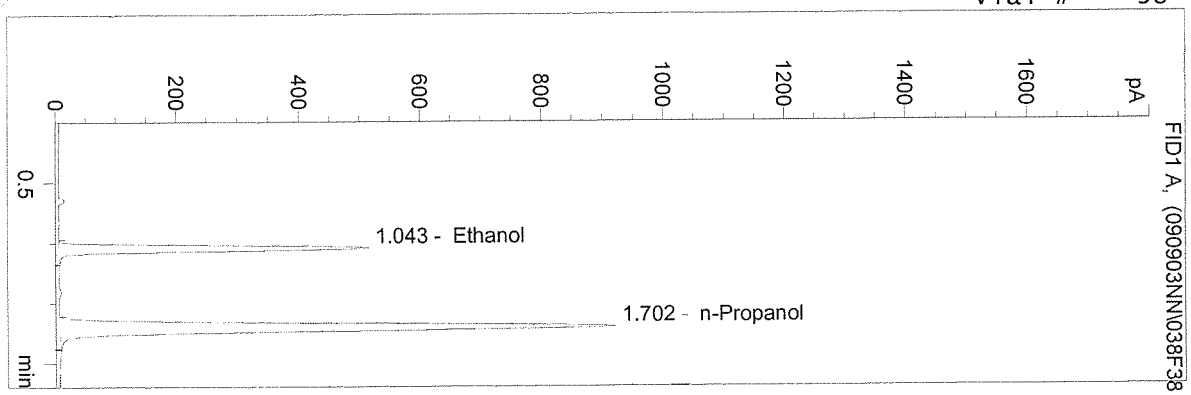
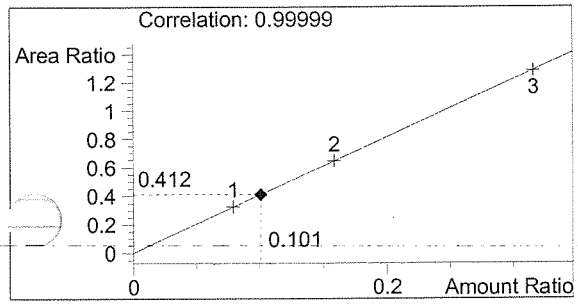
9/9/03 1:26:20 PM
Instrument 1
ALC1

03027 Sim-1
N Nuwayhid, PhD

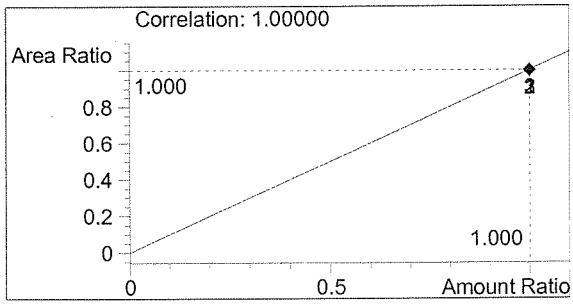
vial # 38



#	Compound	Area	RT
1	Ethanol	1614	1.043
2	n-Propanol	3913	1.702
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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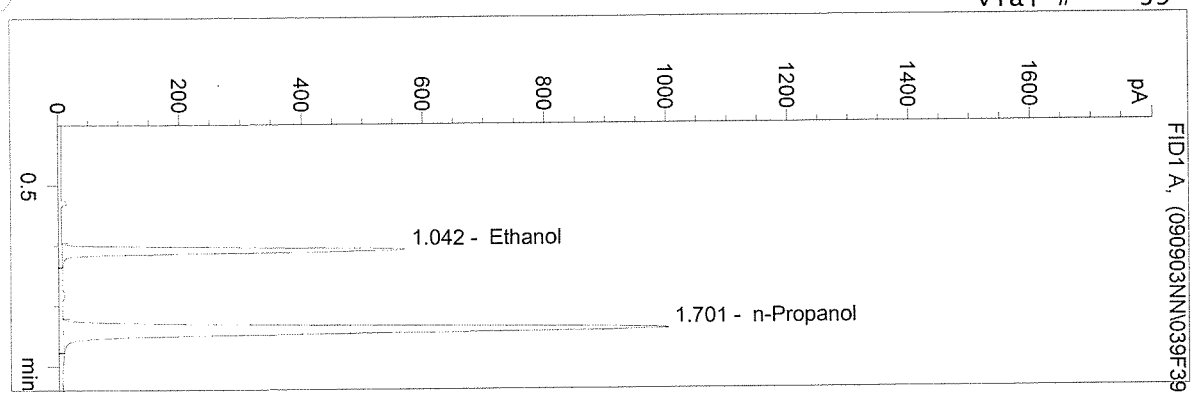
9/9/03 1:29:19 PM
Instrument 1
ALC1

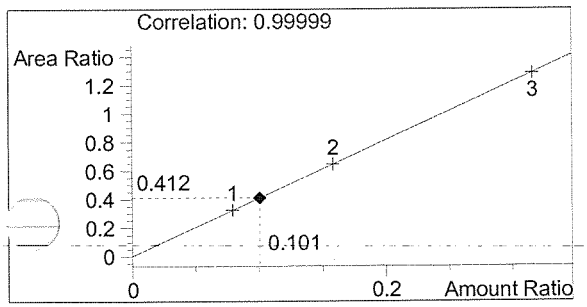
03027 Sim-2
N Nuwayhid, PhD

vial # 39

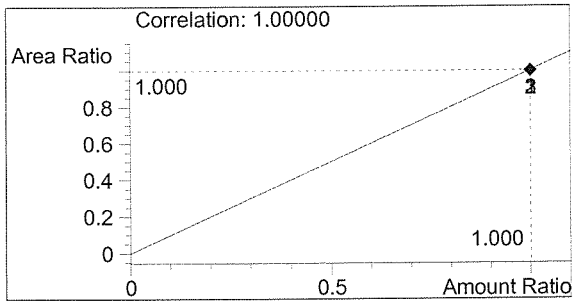


#	Compound	Area	RT
1	Ethanol	1733	1.042
2	n-Propanol	4210	1.701

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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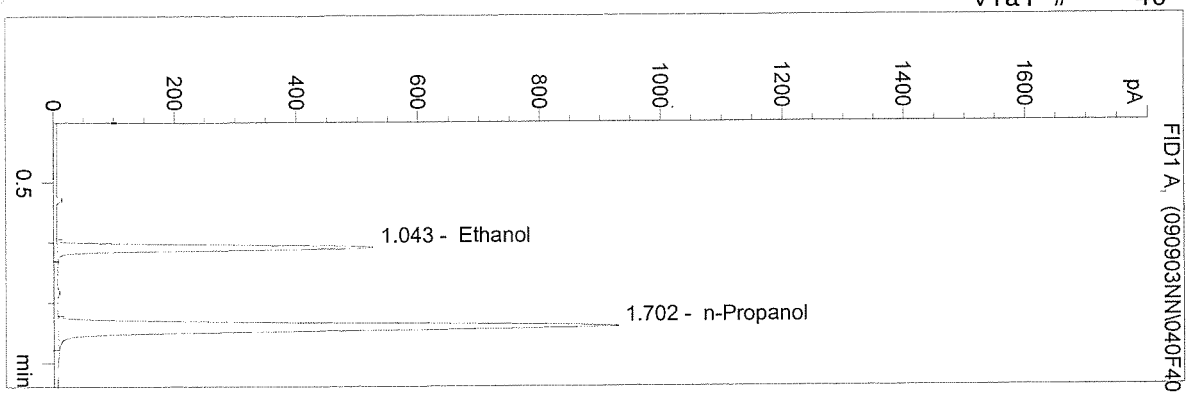
9/9/03 1:32:03 PM
Instrument 1
ALC1

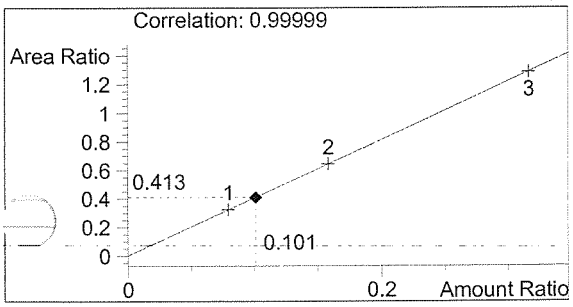
03027 Sim-3
N Nuwayhid, PhD

vial # 40

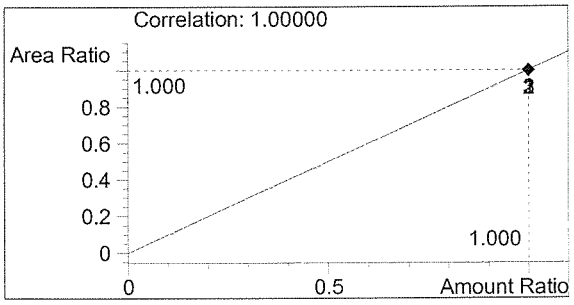


#	Compound	Area	RT
1	Ethanol	1628	1.043
2	n-Propanol	3940	1.702

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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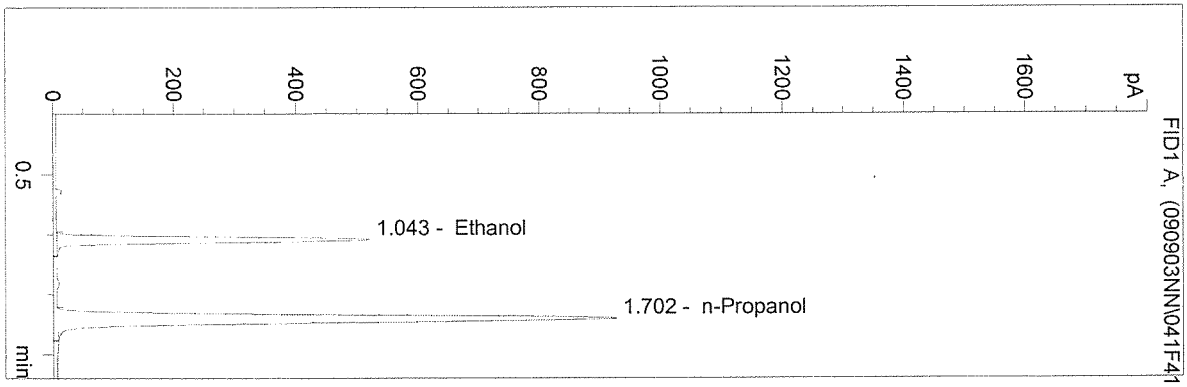
9/9/03 1:35:18 PM
Instrument 1
ALC1

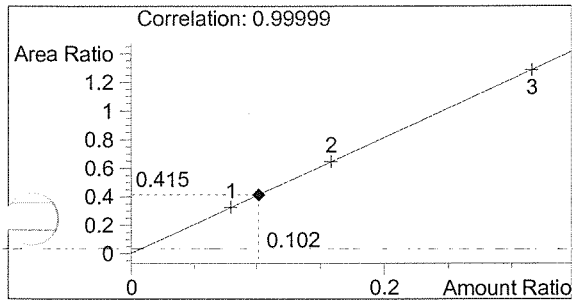
03027 Sim-4
N Nuwayhid, PhD

vial # 41

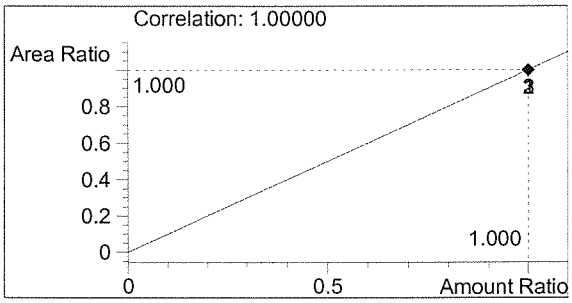


#	Compound	Area	RT
1	Ethanol	1637	1.043
2	n-Propanol	3947	1.702

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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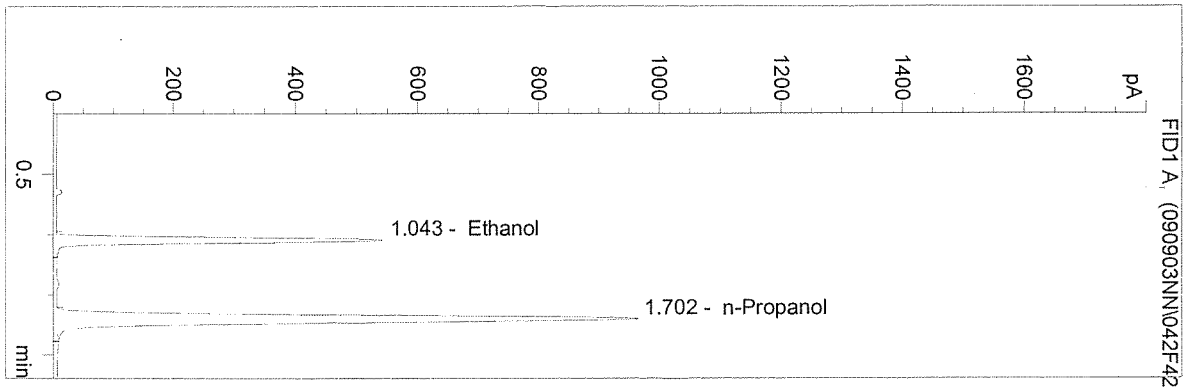
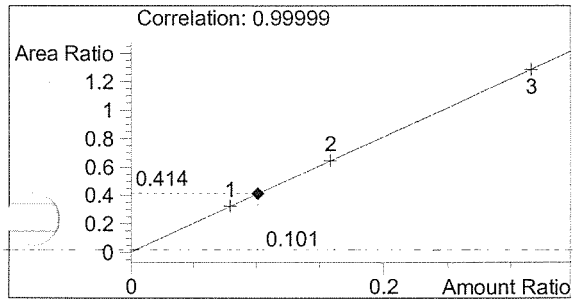
9/9/03 1:38:02 PM
Instrument 1
ALC1

03027 Sim-5
N Nuwayhid, PhD

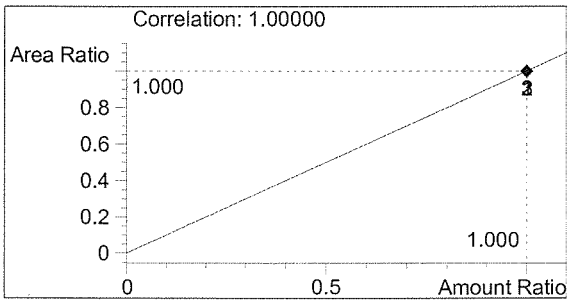
vial # 42



#	Compound	Area	RT
1	Ethanol	1693	1.043
2	n-Propanol	4093	1.702
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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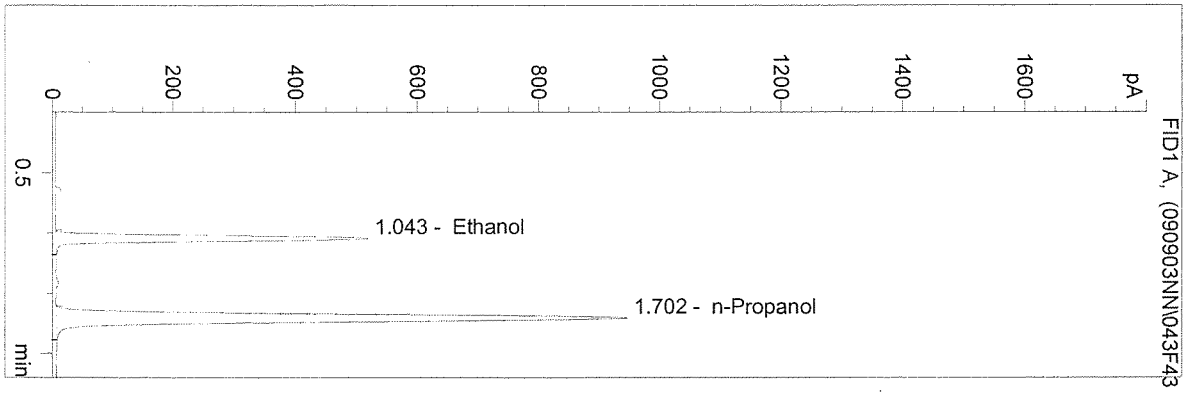
Instrument 1
ALC1

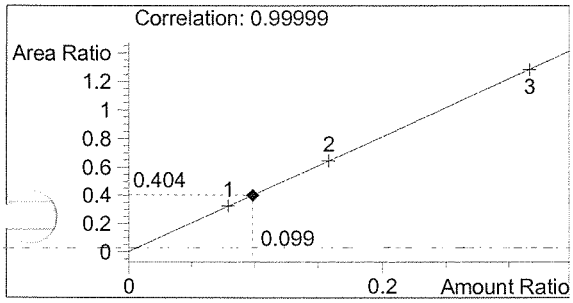
0.100 ctrl
N Nuwayhid, PhD

vial # 43

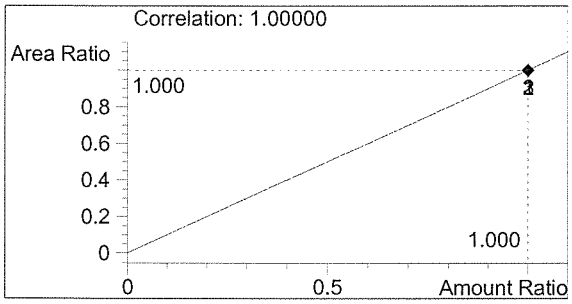


#	Compound	Area	RT
1	Ethanol	1622	1.043
2	n-Propanol	4017	1.702

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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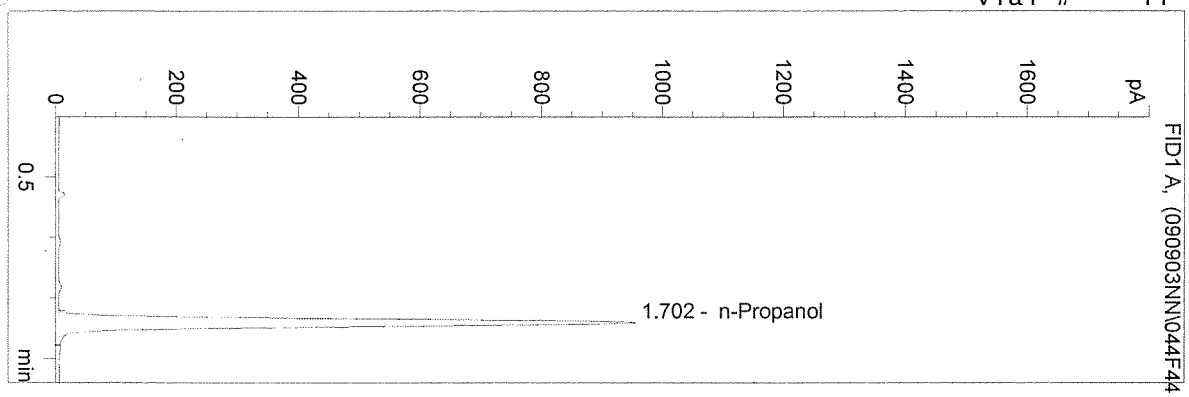
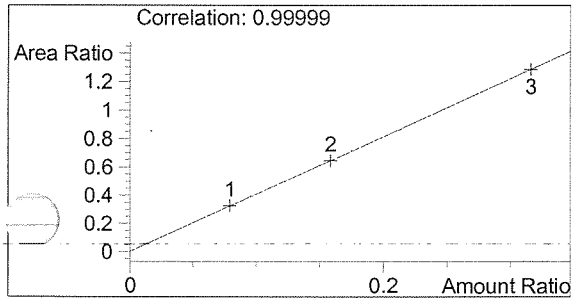
Instrument 1
ALC1

Blank
N Nuwayhid, PhD

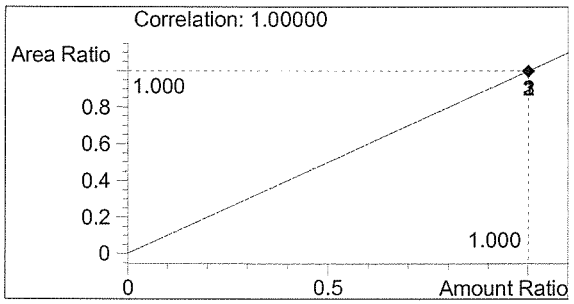
vial # 44



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4076	1.702
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml