

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL/FACE SHEET

ANALYSIS DATE 08/02/2016 SEQUENCE NAME 02Aug16

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton MD91JF5016
 Gas Chromatograph Agilent US14173023 Perkin Elmer 650N9042002

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN08101401 Coefficient of determination (r^2)
 Vial 2 0.10 calibrator Lot FN06181501 0.99998
 Vial 3 0.20 calibrator Lot FN07201502
 Vial 4 0.40 calibrator Lot FN11191402

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	blank	Not detected	Not detected	SPD lab 110215
6	volatiles mixture	6 Compounds	6 Compounds	SPD lab 030916ASL
7	aqueous control	0.400 g/dL	0.398g/dL	Lipomed 05012012-C
8	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
9	blood control	0.200 g/dL	0.202g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.081g/dL	Lipomed 14112011-A
31	aqueous control	0.150 g/dL	0.150g/dL	Lipomed 11012012-C
42	blood control	0.200 g/dL	0.203g/dL	ACQ 402101060/6
53	aqueous control	0.080 g/dL	0.080g/dL	Lipomed 14112011-A
64	aqueous control	0.150 g/dL	0.152g/dL	Lipomed 11012012-C
67	aqueous control	0.400 g/dL	0.402g/dL	Lipomed 05012012-C
68	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
69	blood control	0.200 g/dL	0.206g/dL	ACQ 402101060/6
70	blank	Not detected	Not detected	SPD lab 110215

SUBJECT SAMPLES

Subjects in the sequence 26 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid
Run invalid

Abudonon
Analyst

Run valid
Run invalid

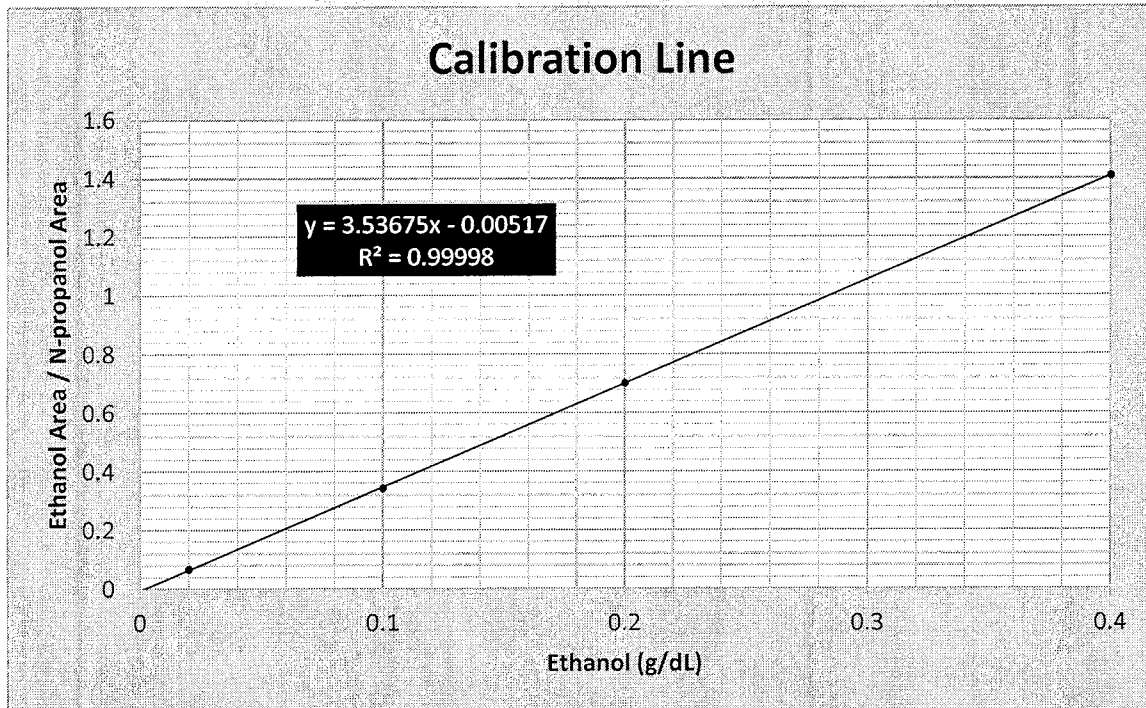
KOSECKI 8/3/16
Technical Reviewer

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
SEQUENCE QUALITY ASSURANCE SUMMARY

SEQUENCE NAME: 02Aug16

Control	Vial	Expected Value (g/dL)	Measured Value (g/dL)	Percent Difference	Absolute Difference (g/dl)
1	5	negative	negative	-	-
2	7	0.400	0.398	0.50	-0.002
3	8	0.040	0.040	0.00	0.000
4	9	0.200	0.202	1.00	0.002
5	20	0.080	0.081	1.25	0.001
6	31	0.150	0.150	0.00	0.000
7	42	0.200	0.203	1.50	0.003
8	53	0.080	0.080	0.00	0.000
9	64	0.150	0.152	1.33	0.002
10	67	0.400	0.402	0.50	0.002
11	68	0.040	0.040	0.00	0.000
12	69	0.200	0.206	3.00	0.006
13	70	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	10.498	153.476	0.068
0.100	52.816	153.275	0.345
0.200	107.472	152.951	0.703
0.400	216.688	153.666	1.410



Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.02 Cerilliant FN08101401	Item number:
Injection date: 8/2/2016 7:01:00 PM	Vial: 1
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\02Aug16\1.D	

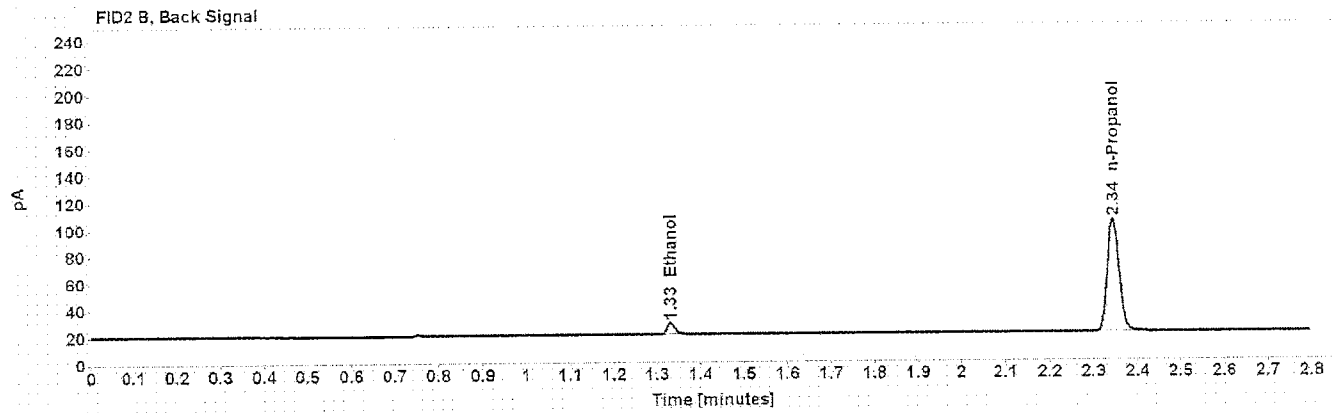
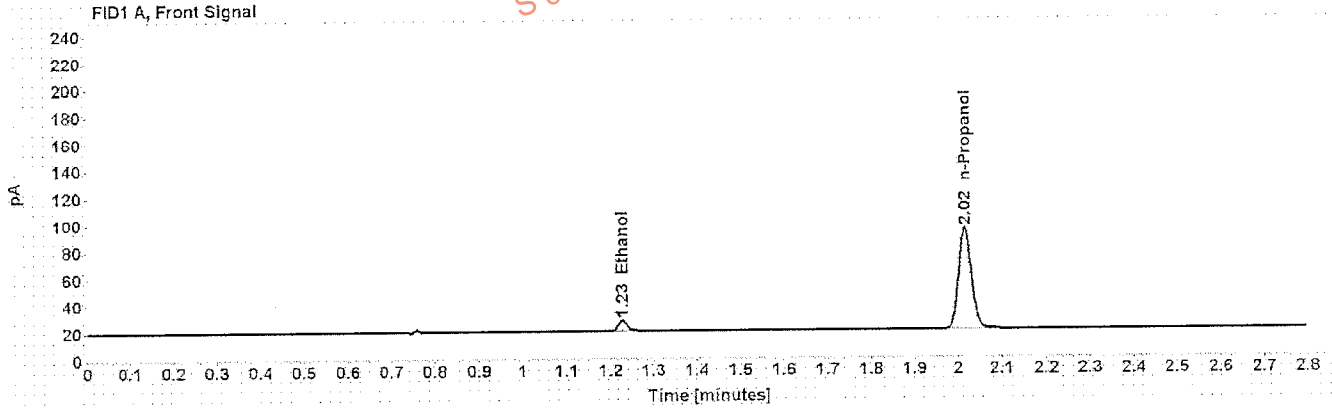


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.228	10.498
n-Propanol	2.016	153.476

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.331	10.539
n-Propanol	2.345	156.611

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.10 Cerilliant FN06181501	Item number:
Injection date: 8/2/2016 7:04:59 PM	Vial: 2
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>SL</i>
Data file: C:\Chem32\1\Data\02Aug16\2.D	

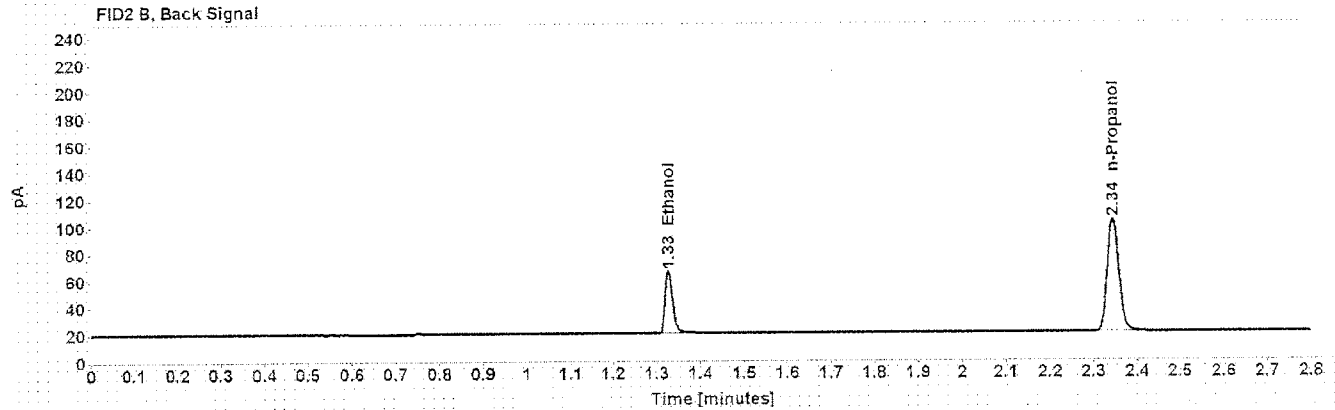
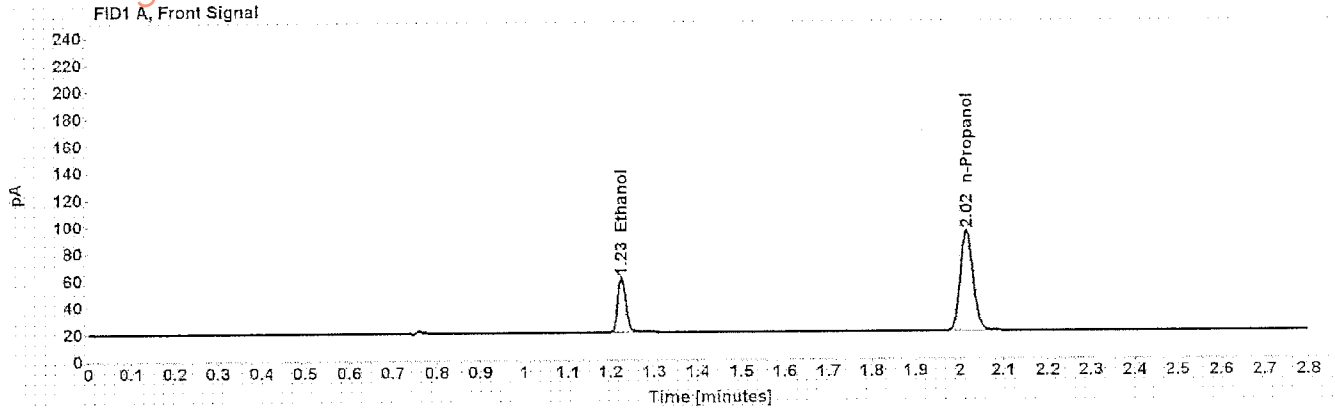


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	52.816
n-Propanol	2.016	153.275

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.327	53.705
n-Propanol	2.344	156.084

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 Cerilliant FN07201502
Injection date: 8/2/2016 7:09:01 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\11\Data\02Aug16\3.D

Item number: 3
Vial: 3
Sequence: 02Aug16
Analyst: Langan *ML*

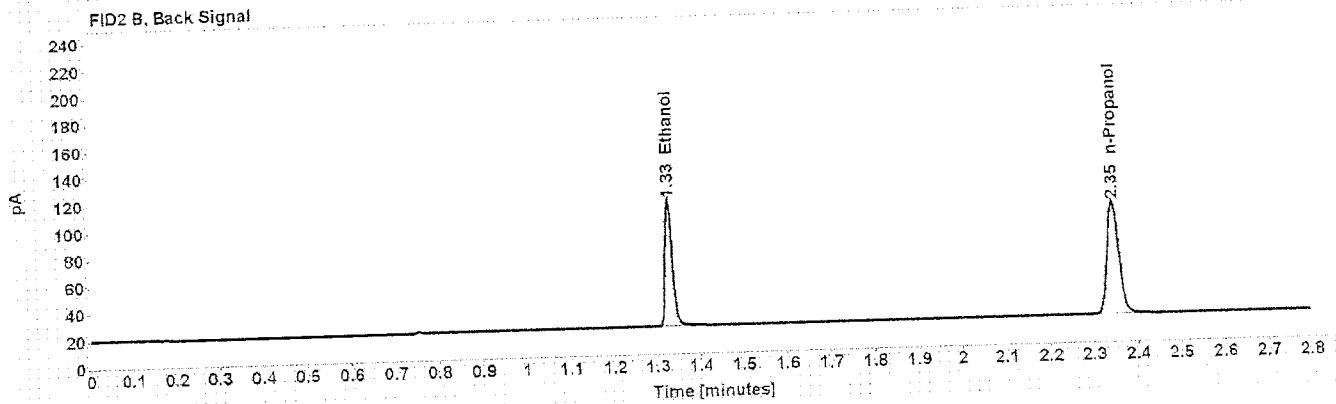
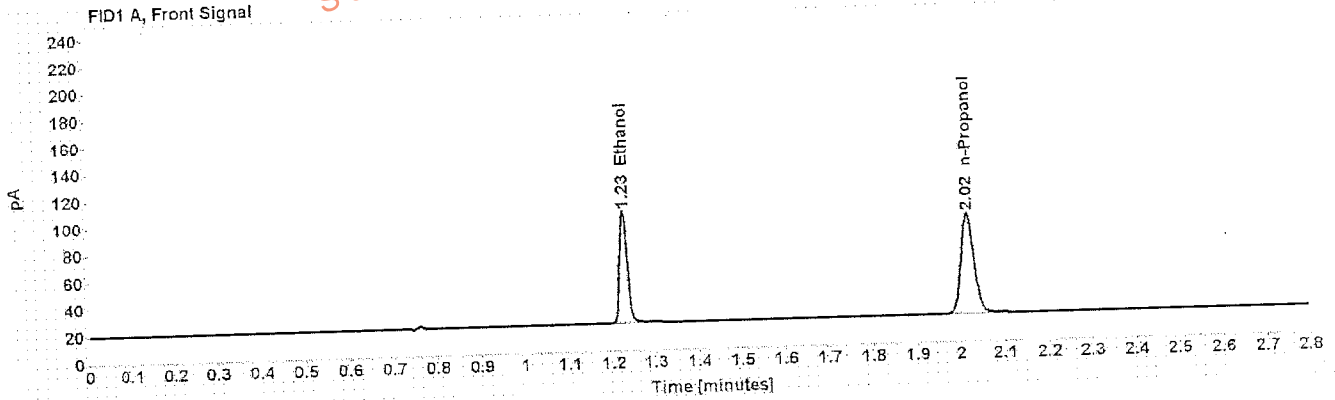


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	107.472
n-Propanol	2.017	152.951

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.328	109.236
n-Propanol	2.345	155.681

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Cerilliant FN11191402	Item number:
Injection date: 8/2/2016 7:12:59 PM	Vial: 4
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem3211\Data\02Aug16\4.D	

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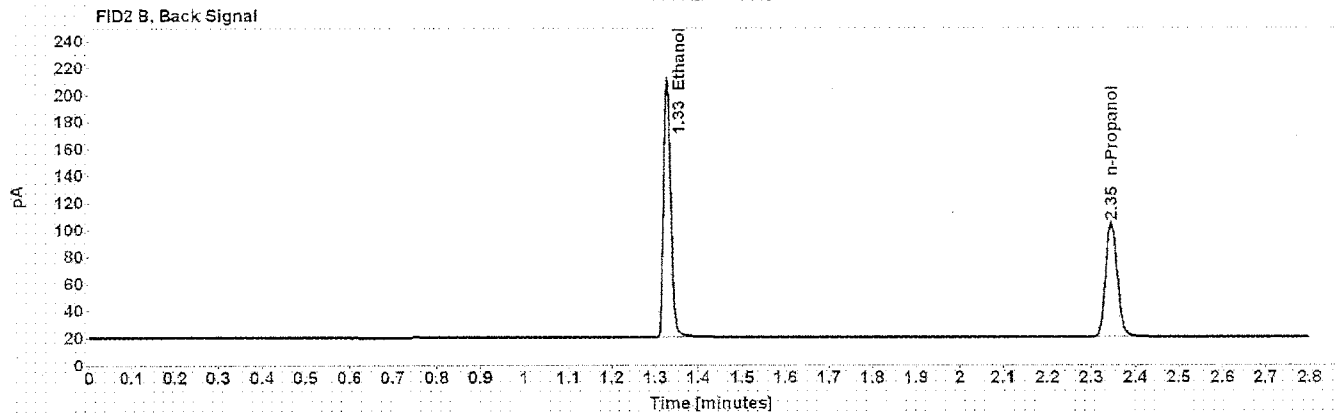
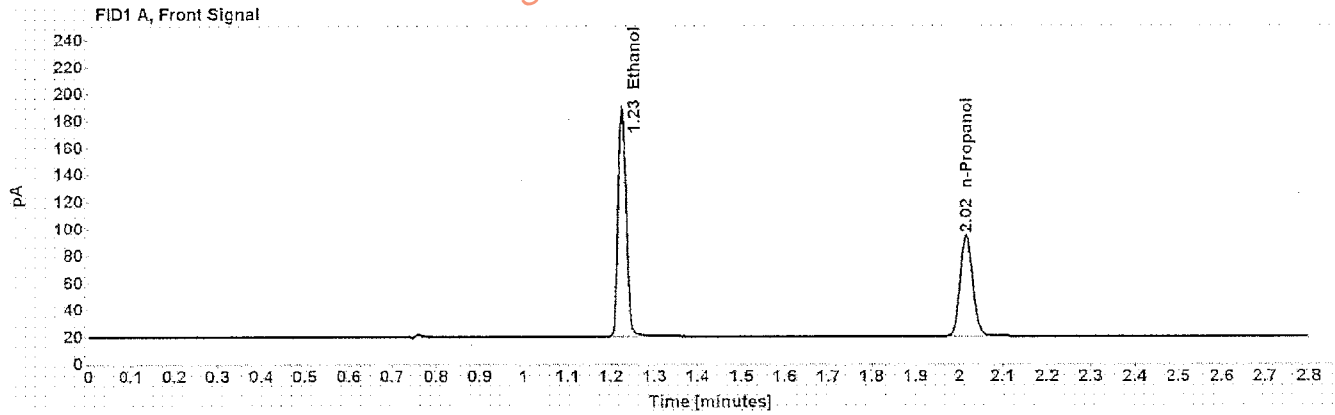


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	216.688
n-Propanol	2.017	153.666

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.327	221.690
n-Propanol	2.345	156.549

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110216	Item number:
Injection date: 8/2/2016 7:17:00 PM	Vial: 5
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem3211\Data\02Aug16\5.D	

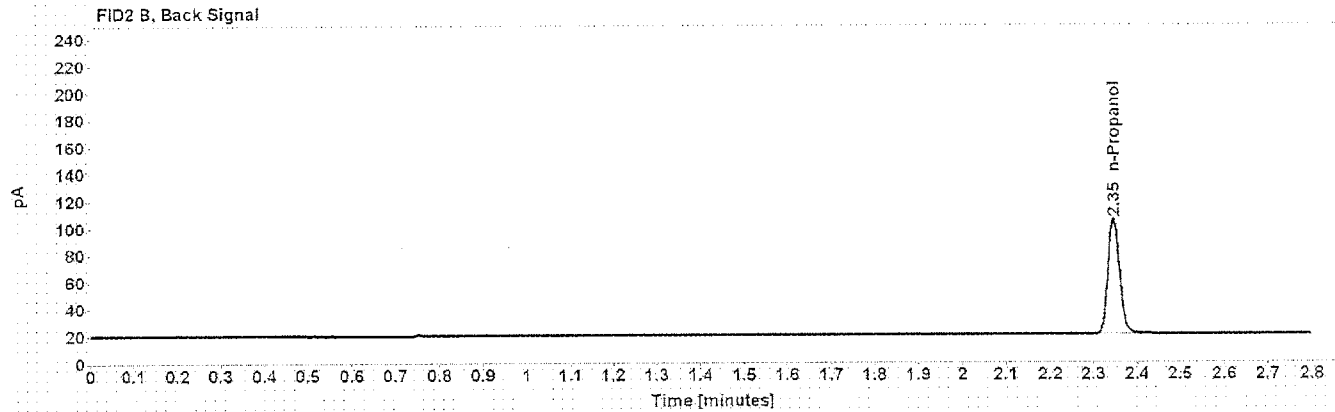
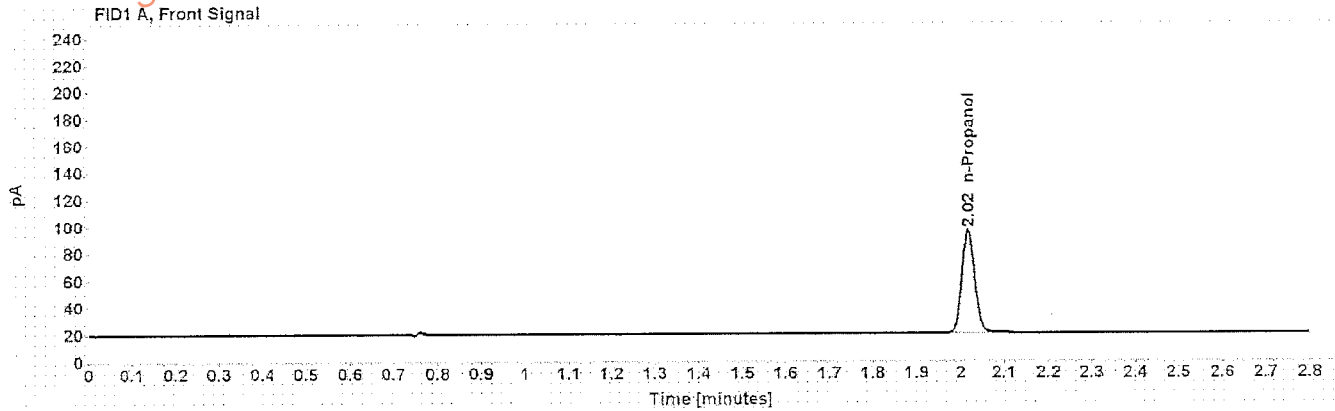


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	156.009

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.346	158.924

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 030916 ASL	Item number:
Injection date: 8/2/2016 7:21:02 PM	Vial: 6
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\02Aug16\6.D	

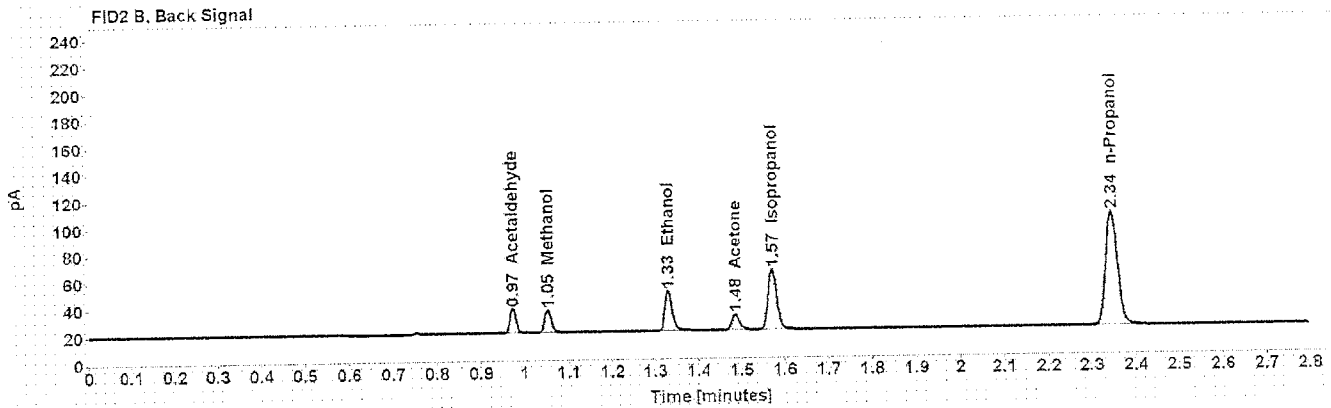
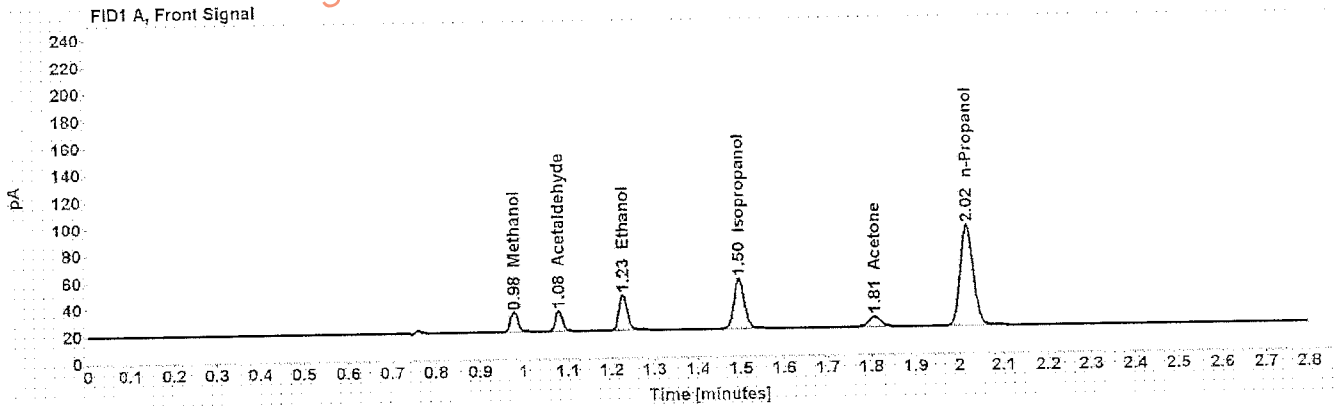


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.978	16.984
Acetaldehyde	-----	1.079	16.656
>Ethanol	0.0644	1.227	34.222
Isopropanol	-----	1.496	61.879
Acetone	-----	1.807	14.150
n-Propanol	-----	2.016	153.779

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	17.177
Methanol	1.052	16.939
Ethanol	1.329	34.743
Acetone	1.485	14.280
Isopropanol	1.571	62.948
n-Propanol	2.345	156.633

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 8/2/2016 7:25:17 PM	Vial: 7
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160048	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\02Aug16\7.D	

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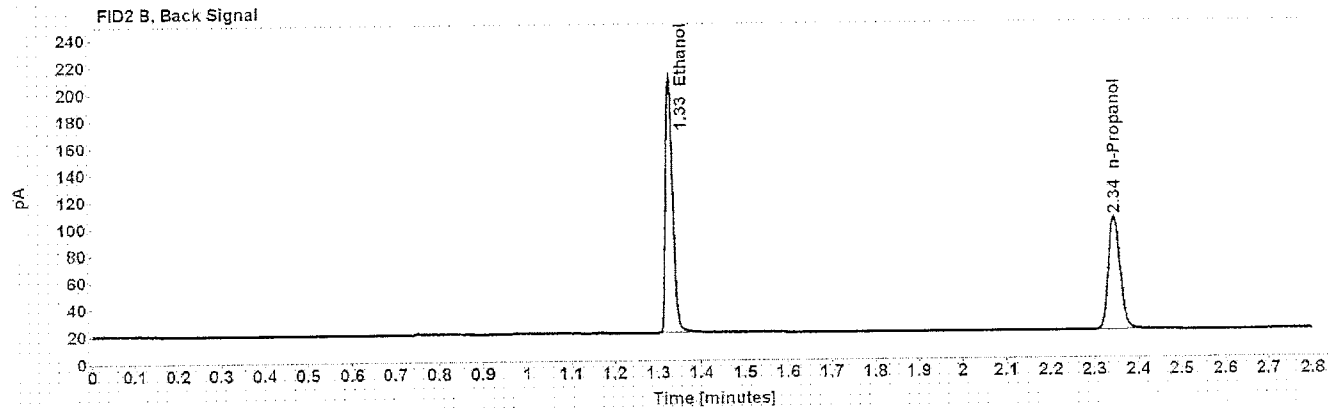
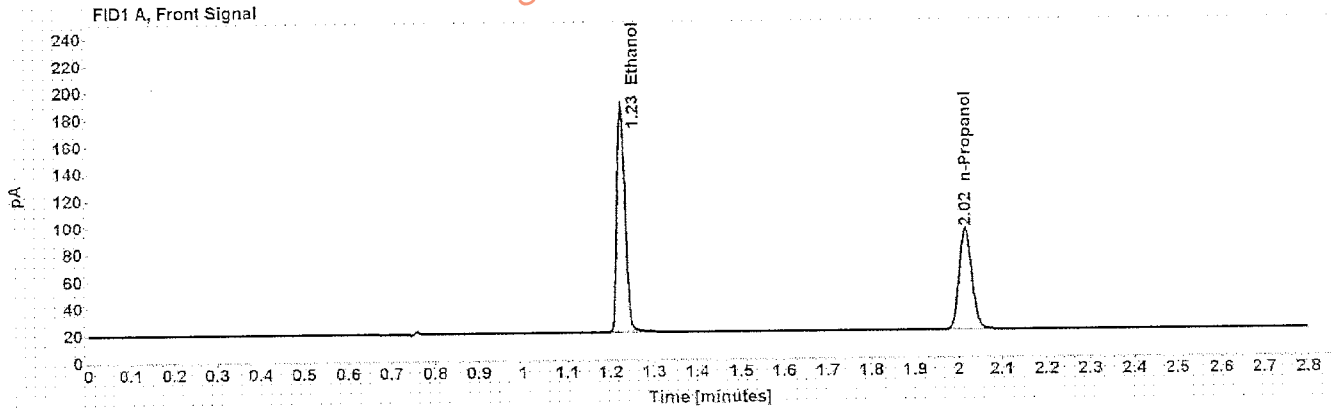


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3980	1.225	215.664
n-Propanol	-----	2.016	153.765

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.327	220.455
n-Propanol	2.345	156.262

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B Injection date: 8/2/2016 7:29:15 PM Method: ethanol quant.M Instrument: US14173023 CN14160045 Data file: C:\Chem3211\Data\02Aug16\8.D	Item number: Vial: 8 Sequence: 02Aug16 Analyst: Langan <i>pl</i>
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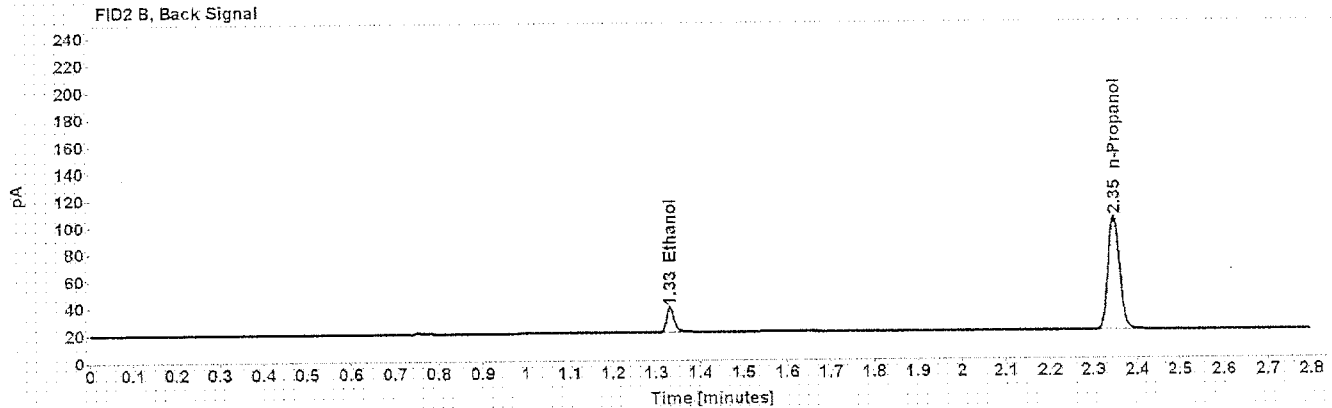
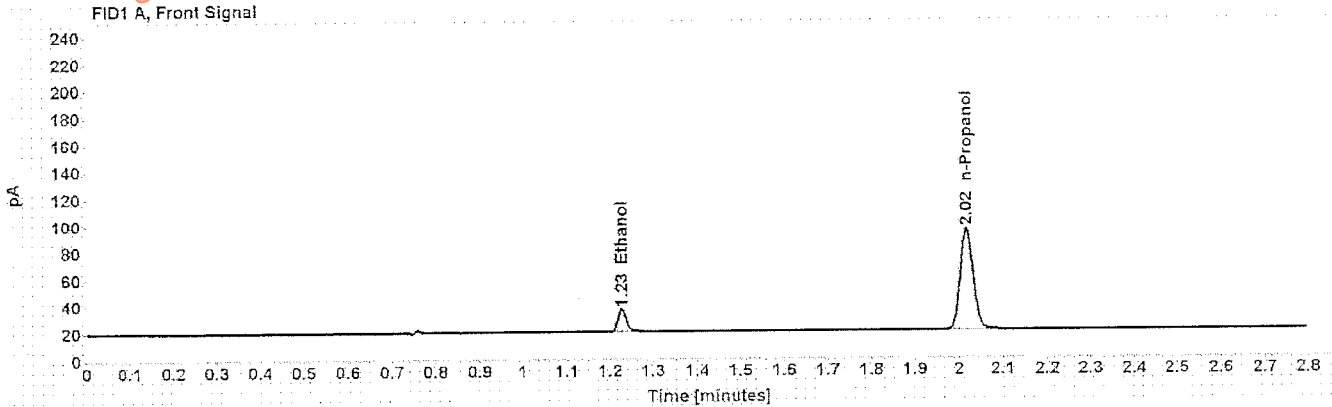


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0404	1.228	21.210
n-Propanol	-----	2.017	154.092

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.331	21.425
n-Propanol	2.346	157.014

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 8/2/2016 7:33:15 PM	Vial: 9
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>RL</i>
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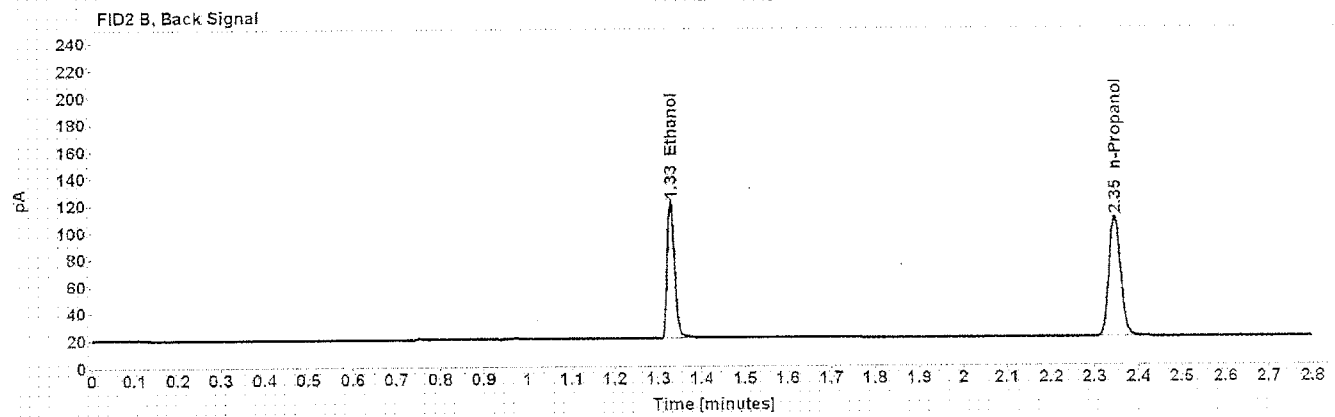
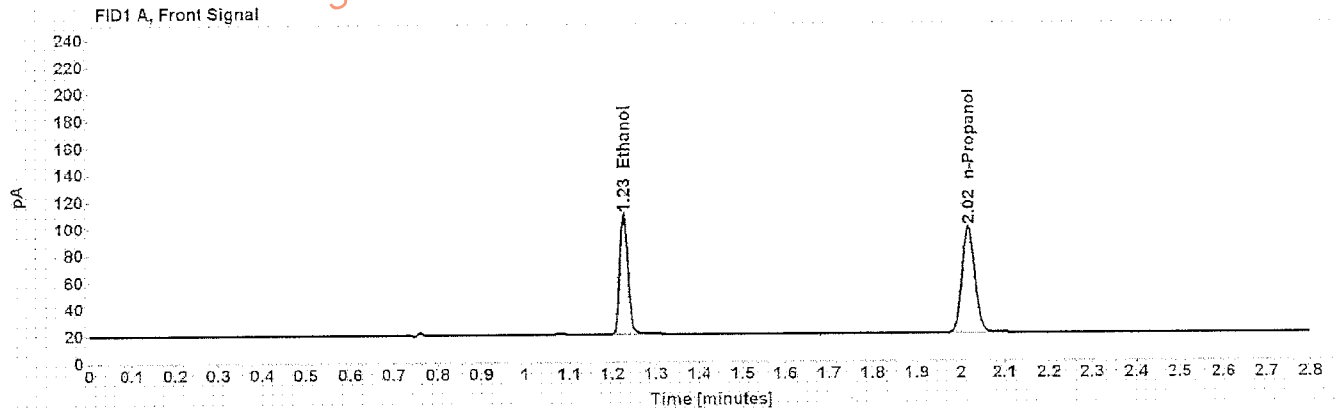


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2023	1.226	115.226
n-Propanol	-----	2.017	162.206

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.328	117.225
n-Propanol	2.346	165.623

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 8/2/2016 8:17:45 PM	Vial: 20
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\02Aug16\20.D	

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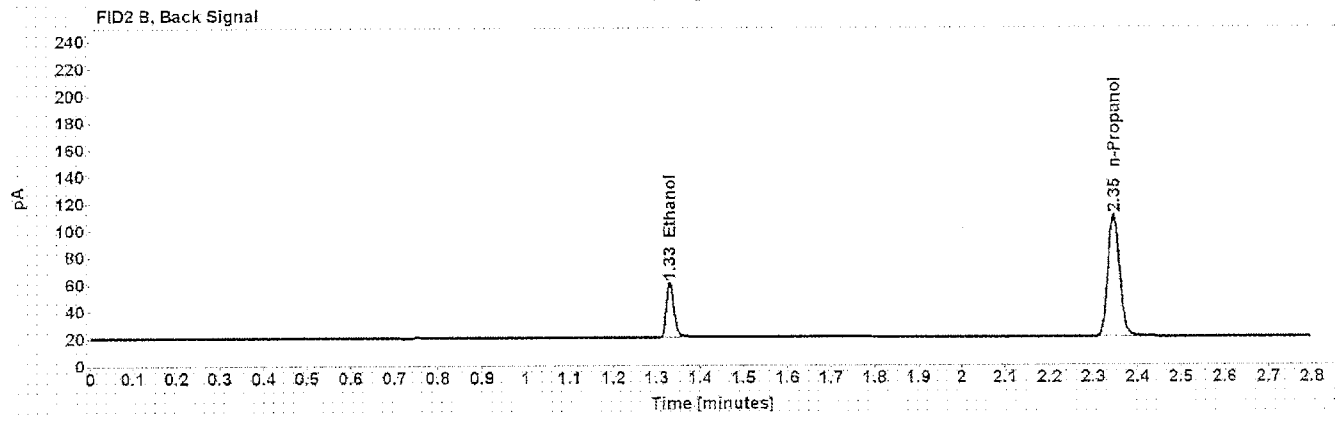
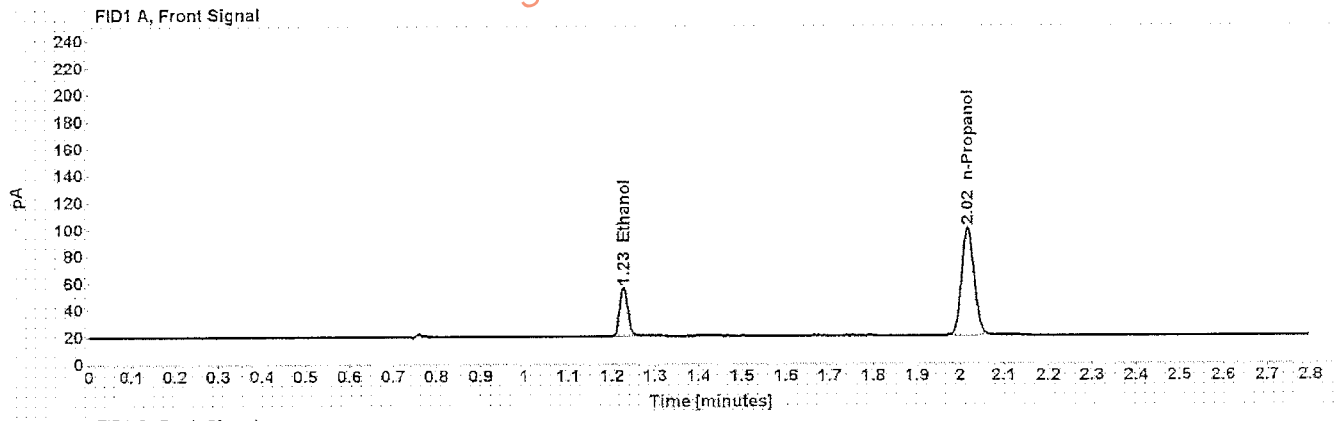


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0815	1.227	46.585
n-Propanol	-----	2.017	164.560

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.330	47.398
n-Propanol	2.346	167.345

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 11042012-C	Item number:
Injection date: 8/2/2016 9:02:15 PM	Vial: 31
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\02Aug16\31.D	

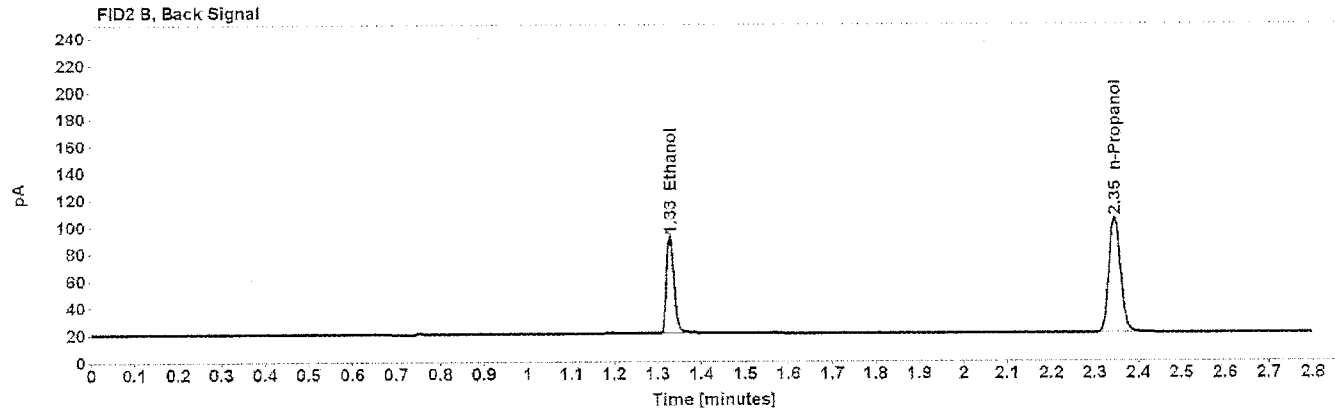
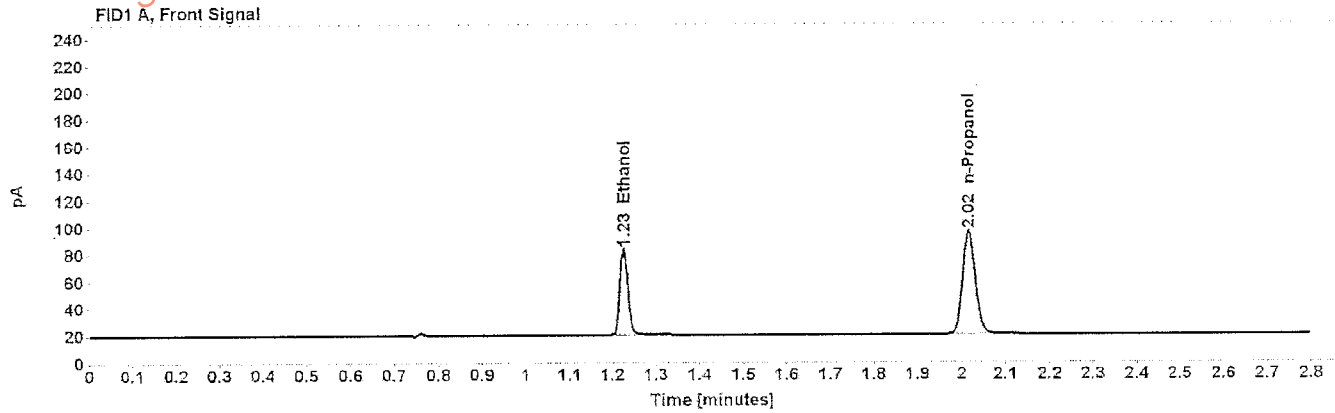


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1505	1.226	82.200
n-Propanol	-----	2.017	155.987

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.328	83.481
n-Propanol	2.345	158.813

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number: 42
Injection date: 8/2/2016 9:46:29 PM	Vial: 02Aug16
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem3211\Data\02Aug16\42.D	

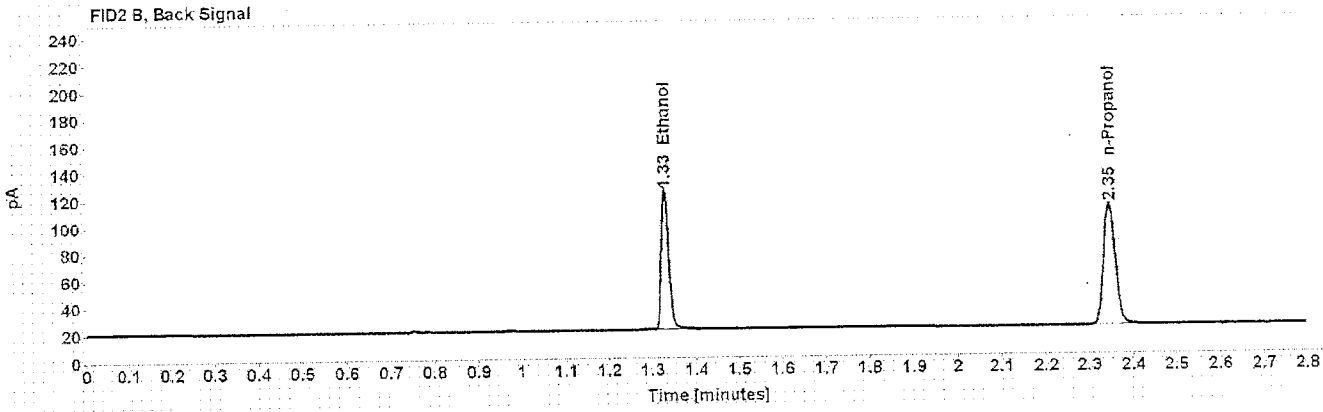
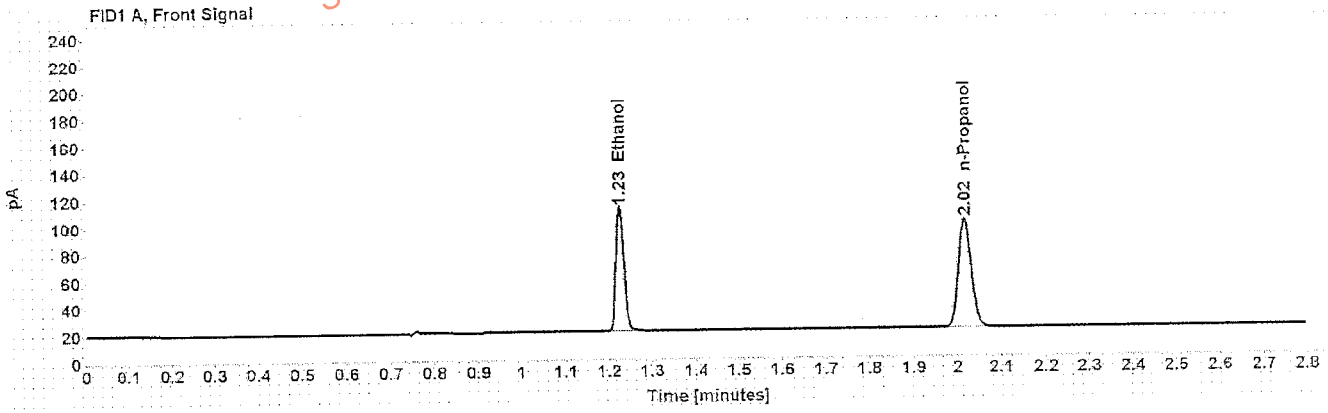


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2039	1.226	118.231
n-Propanol	-----	2.017	165.169

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	120.069
n-Propanol	2.346	167.989

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 8/2/2016 10:31:00 PM	Vial: 53
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\02Aug16\53.D	

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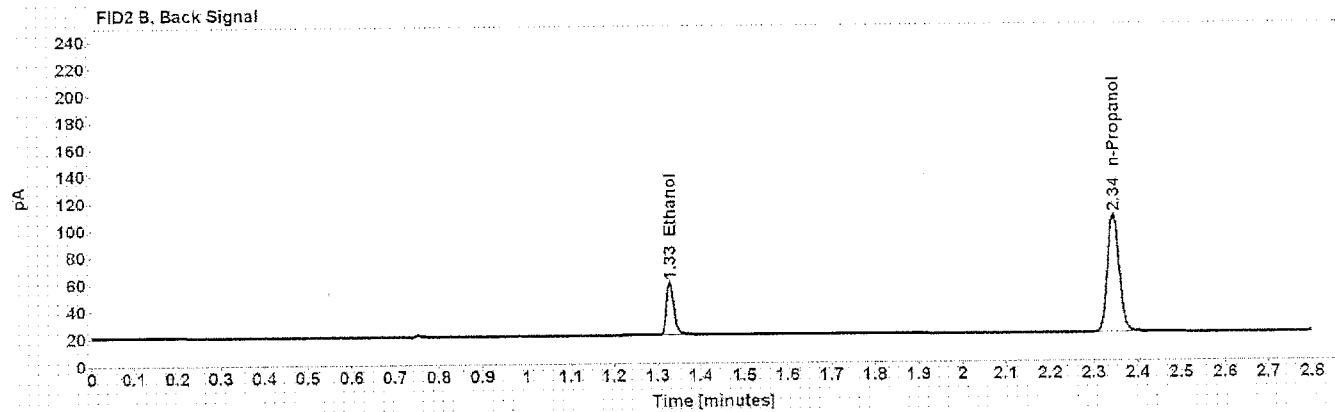
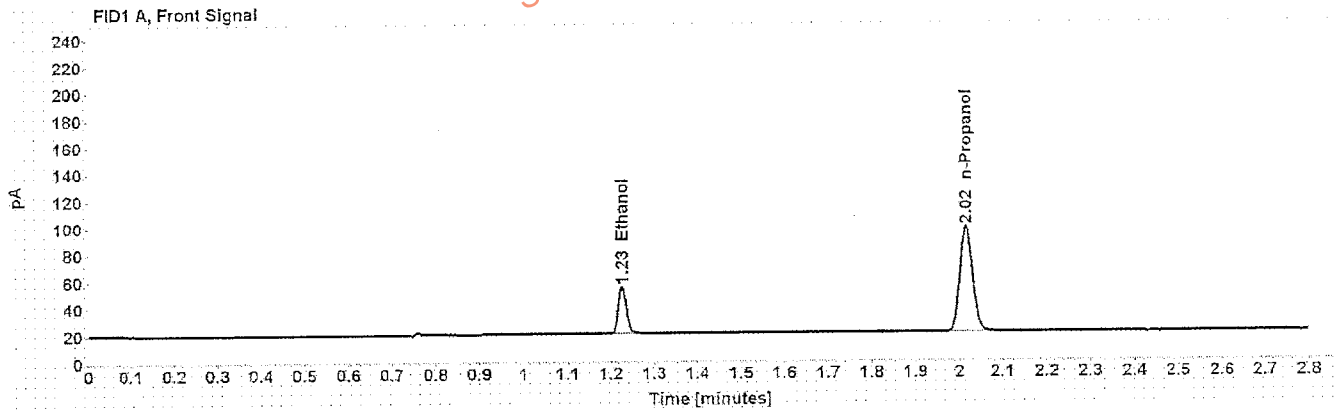


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0808	1.226	45.116
n-Propanol	-----	2.016	160.687

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.328	45.427
n-Propanol	2.345	163.271

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 11012012-C	Item number:
Injection date: 8/2/2016 11:15:29 PM	Vial: 64
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\02Aug16\64.D	

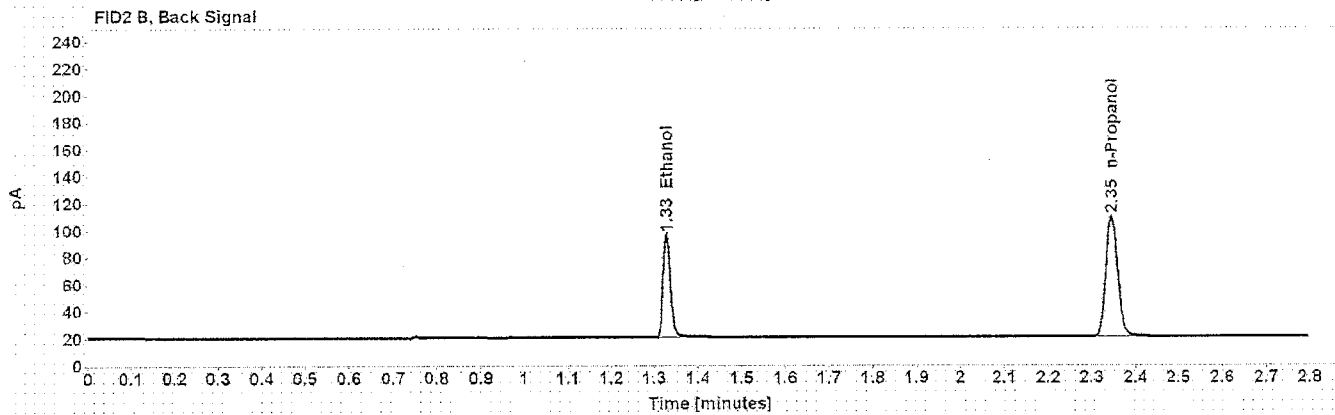
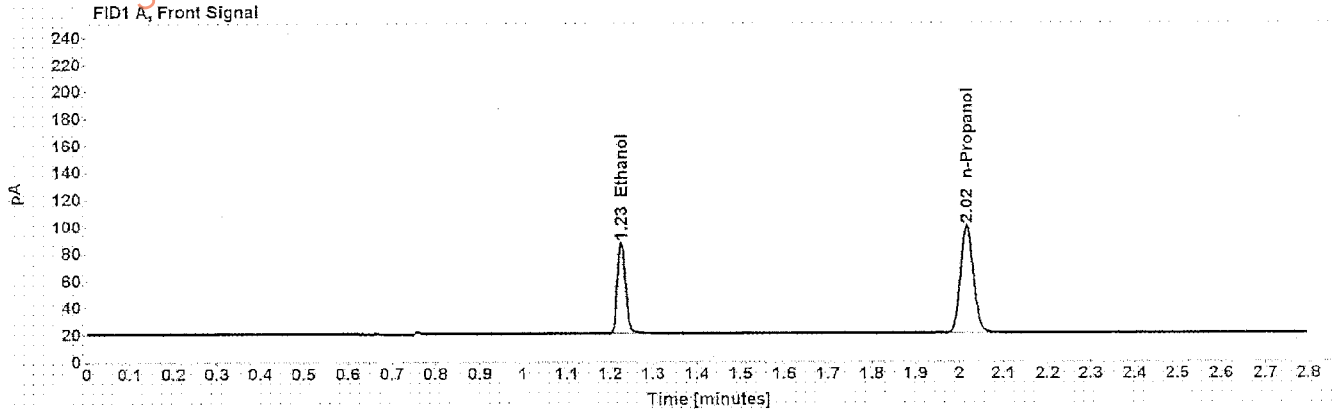


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1527	1.226	87.534
n-Propanol	-----	2.017	163.668

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.328	88.944
n-Propanol	2.345	166.586

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 8/2/2016 11:27:44 PM	Vial: 67
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>PL</i>
Data file: C:\Chem3211\Data\02Aug16\67.D	

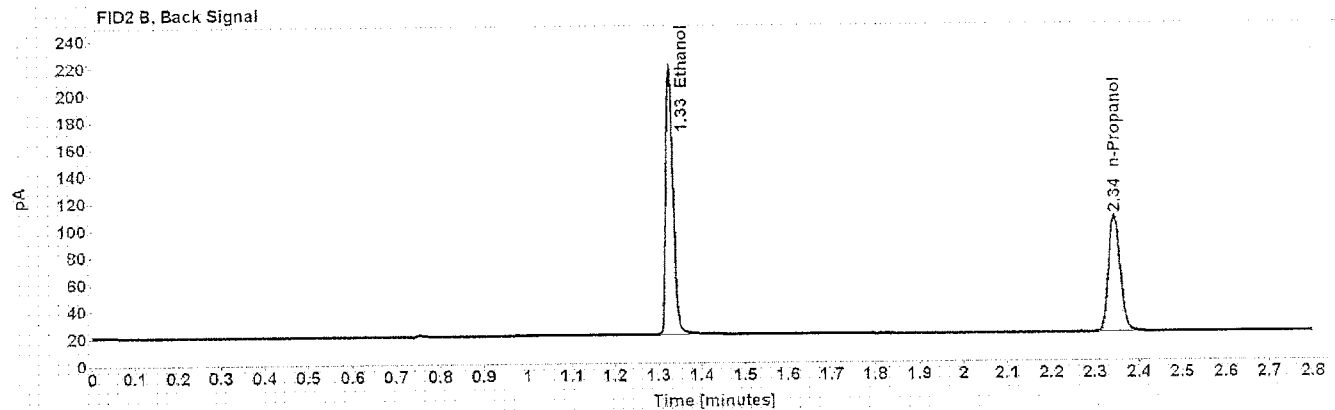
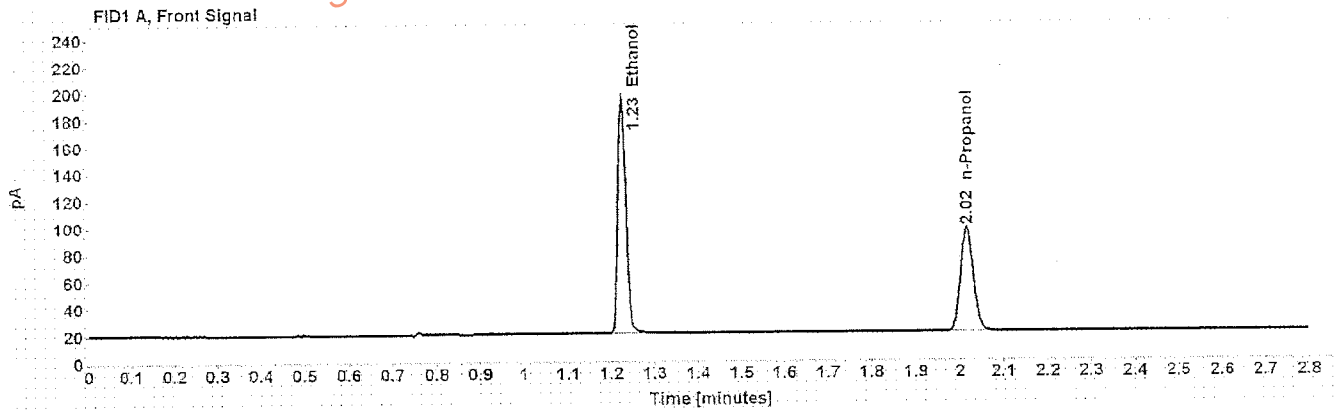


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4025	1.225	224.096
n-Propanol	-----	2.016	157.988

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.327	229.209
n-Propanol	2.345	160.758

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 8/2/2016 11:31:44 PM	Vial: 68
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\02Aug16\68.D	

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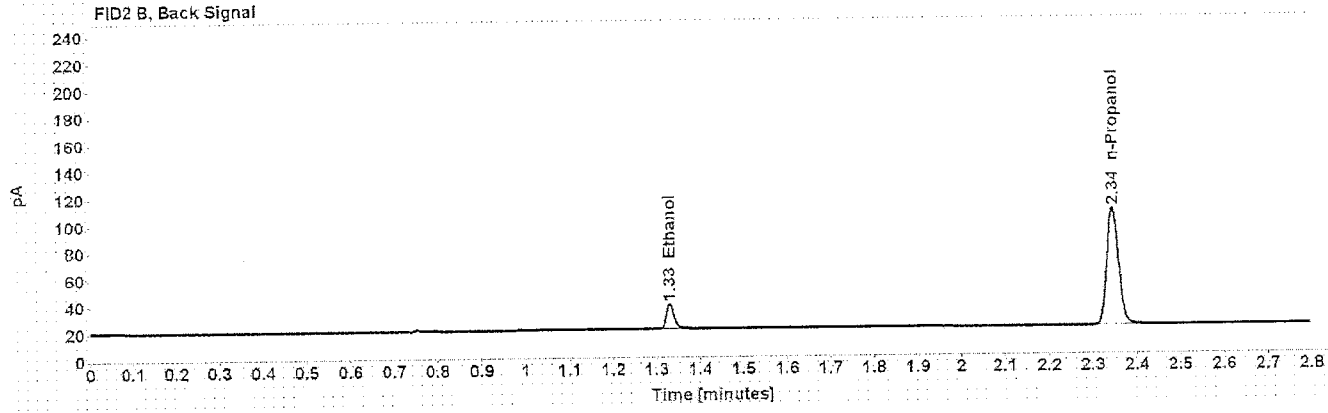
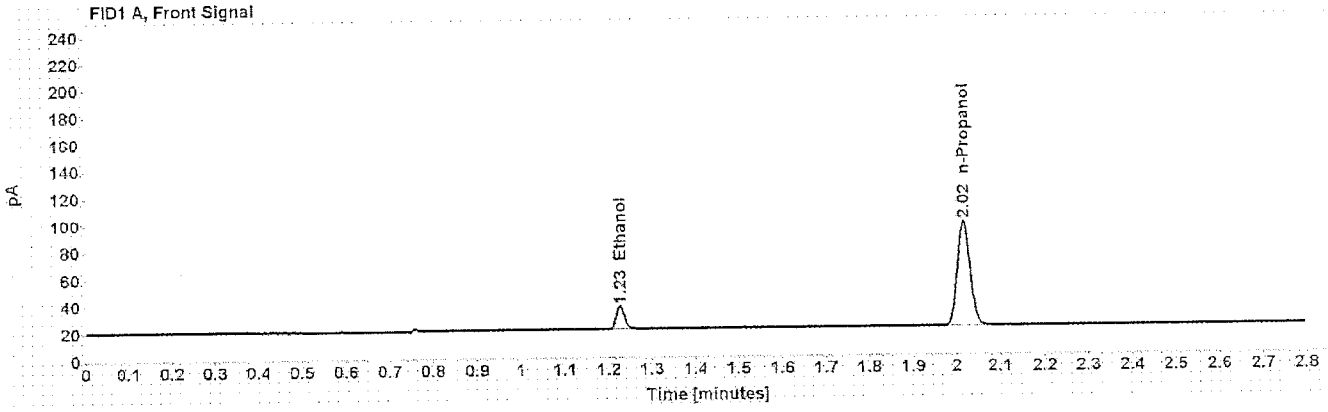


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.227	22.003
n-Propanol	-----	2.016	159.040

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.330	22.213
n-Propanol	2.345	161.793

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6 Injection date: 8/2/2016 11:35:45 PM Method: ethanol quant.M Instrument: US14173023 CN14160045 Data file: C:\Chem32\1\Data\02Aug16\69.D	Item number: Vial: 69 Sequence: 02Aug16 Analyst: Langan <i>LR</i>
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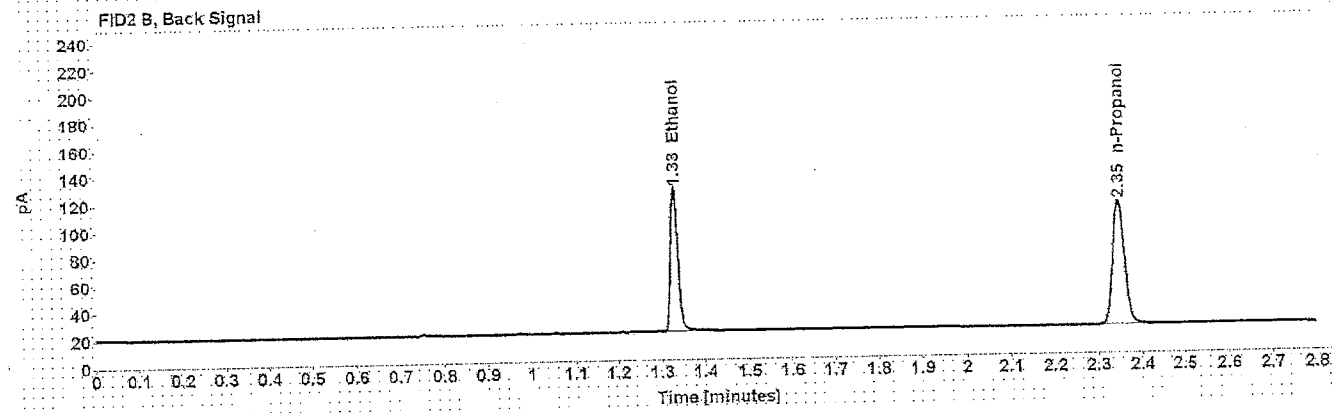
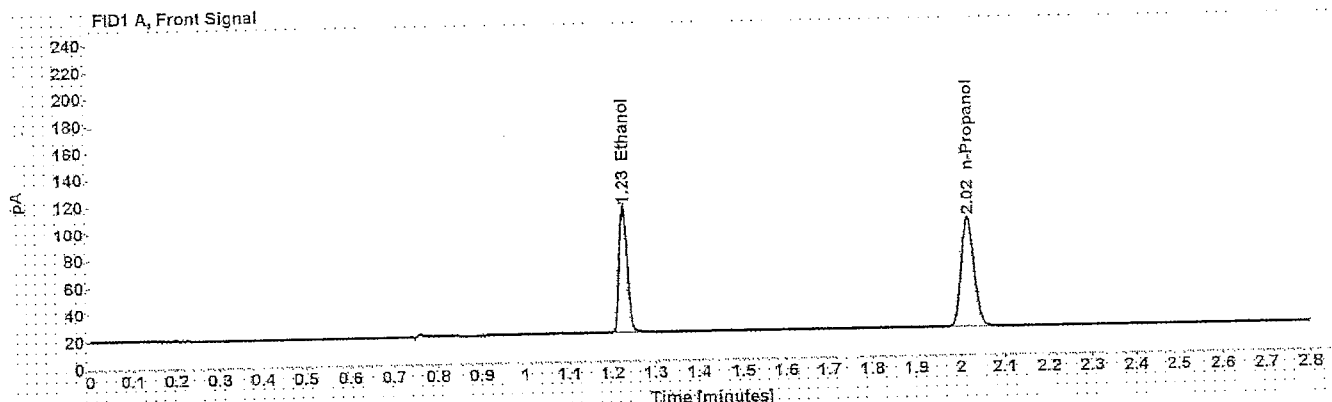


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2060	1.226	120.847
n-Propanol	-----	2.017	167.082

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	123.038
n-Propanol	2.346	170.296

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 8/2/2016 11:39:46 PM	Vial: 70
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem3211\Data\02Aug16\70.D	

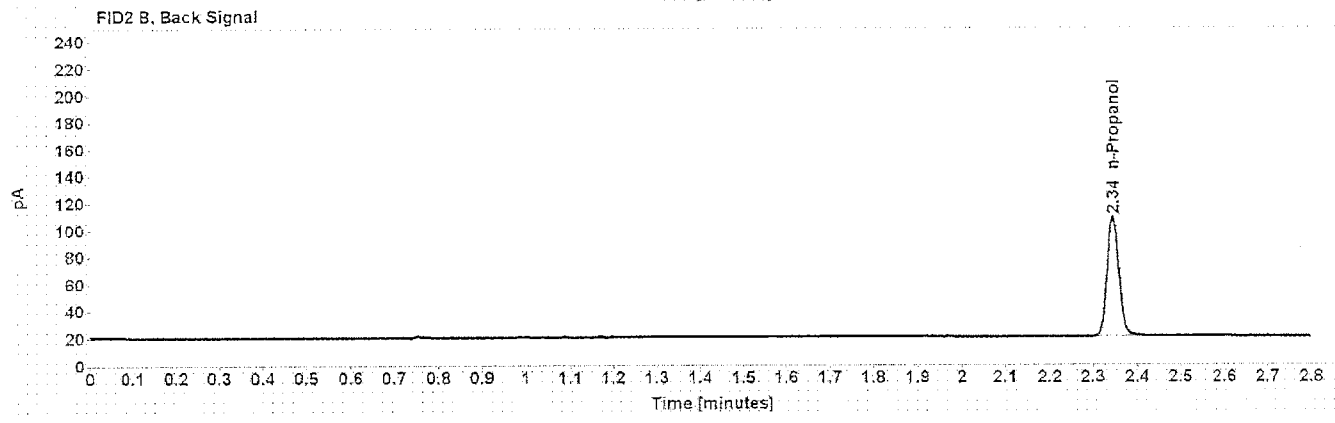
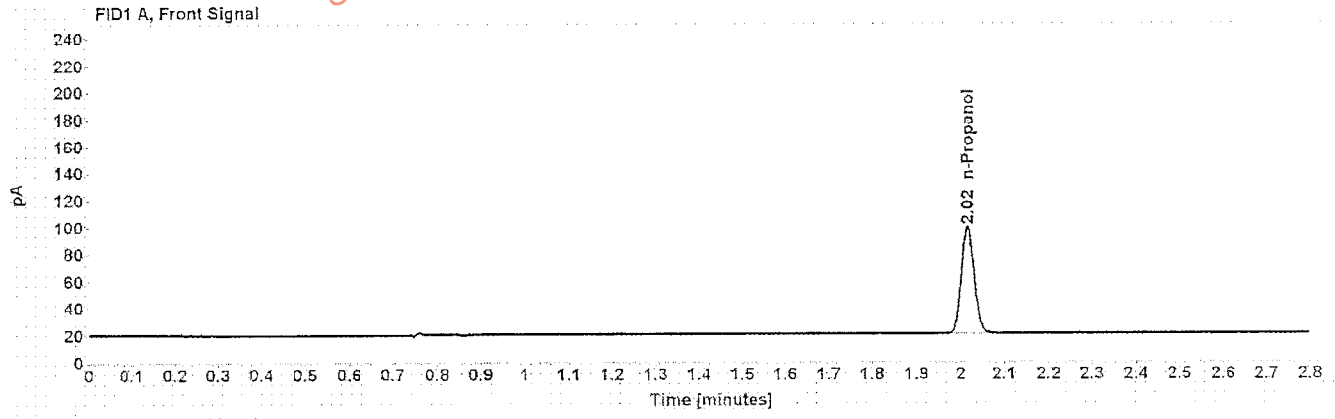


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	162.603

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.345	165.479

Sequence Summary

Sequence name: 02Aug16 Instrument: US14173023 CN14160045 Analyst: Langan *M*

Vial	Sample	Type	Item Number	Method
1	0.02 Cerilliant FN08101401	Calibration		ethanol quant.M
2	0.10 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.20 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.40 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 110215	Control		ethanol quant.M
6	volatiles mix 030916 ASL	Control		ethanol quant.M
7	0.40 Lipomed 05012012-C	Control		ethanol quant.M
8	0.04 Lipomed 30112011-B	Control		ethanol quant.M
9	0.20 ACQ 402101060/6	Control		ethanol quant.M
10	L16 [REDACTED]	Sample	1092984	ethanol quant.M
11	L16 [REDACTED]	Sample	1092984	ethanol quant.M
12	L16 [REDACTED]	Sample	1098516	ethanol quant.M
13	L16 [REDACTED]	Sample	1098516	ethanol quant.M
14	L16 [REDACTED]	Sample	1097356	ethanol quant.M
15	L16 [REDACTED]	Sample	1097356	ethanol quant.M
16	L16 [REDACTED]	Sample	1097556	ethanol quant.M
17	L16 [REDACTED]	Sample	1097556	ethanol quant.M
18	L16 [REDACTED]	Sample	1064438	ethanol quant.M
19	L16 [REDACTED]	Sample	1064438	ethanol quant.M
20	0.0	Control		ethanol quant.M
21	L16 [REDACTED]	Sample	1075422	ethanol quant.M
22	L16 [REDACTED]	Sample	1075422	ethanol quant.M
23	L16 [REDACTED]	Sample	1071752	ethanol quant.M
24	L16 [REDACTED]	Sample	1071752	ethanol quant.M
25	L16 [REDACTED]	Sample	1099781	ethanol quant.M
26	L16 [REDACTED]	Sample	1099781	ethanol quant.M
27	L16 [REDACTED]	Sample	1099581	ethanol quant.M
28	L16 [REDACTED]	Sample	1099581	ethanol quant.M
29	L16 [REDACTED]	Sample	1102117	ethanol quant.M
30	L16 [REDACTED]	Sample	1102117	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32	L16 [REDACTED]	Sample	1061707	ethanol quant.M
33	L16 [REDACTED]	Sample	1061707	ethanol quant.M
34	L16 [REDACTED]	Sample	1101012	ethanol quant.M
35	L16 [REDACTED]	Sample	1101012	ethanol quant.M
36	L16 [REDACTED]	Sample	1101008	ethanol quant.M
37	L16 [REDACTED]	Sample	1101008	ethanol quant.M
38	L16 [REDACTED]	Sample	000001A	ethanol quant.M
39	L16 [REDACTED]	Sample	000001A	ethanol quant.M
40	L16 [REDACTED]	Sample	000001A	ethanol quant.M
41	L16 [REDACTED]	Sample	000001A	ethanol quant.M
42	0.20 ACQ 402101060/6	Control		ethanol quant.M
43	L16 [REDACTED]	Sample	1058349	ethanol quant.M
44	L16 [REDACTED]	Sample	1058349	ethanol quant.M
45	L16 [REDACTED]	Sample	1100066	ethanol quant.M
46	L16 [REDACTED]	Sample	1100066	ethanol quant.M
47	L16 [REDACTED]	Sample	1095323	ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unaffiliated agencies is PROHIBITED.

Sequence Summary

48	L16	[REDACTED]	Sample	1095323	ethanol quant.M
49	L16	[REDACTED]	Sample	169-01A	ethanol quant.M
50	L16	[REDACTED]	Sample	169-01A	ethanol quant.M
51	L16	[REDACTED]	Sample	315-01A	ethanol quant.M
52	L16	[REDACTED]	Sample	315-01A	ethanol quant.M
53		0.080 Lipomed 14112011-A	Control		ethanol quant.M
54	L16	[REDACTED]	Sample	1063813	ethanol quant.M
55	L16	[REDACTED]	Sample	1063813	ethanol quant.M
56	L16	[REDACTED]	Sample	1099958	ethanol quant.M
57	L16	[REDACTED]	Sample	1099958	ethanol quant.M
58	L16	[REDACTED]	Sample	000001A	ethanol quant.M
59	L16	[REDACTED]	Sample	000001A	ethanol quant.M
60	L16	[REDACTED]	Sample	000001A	ethanol quant.M
61	L16	[REDACTED]	Sample	000001A	ethanol quant.M
62	L16	[REDACTED]	Sample	1076210	ethanol quant.M
63	L16	[REDACTED]	Sample	1076210	ethanol quant.M
64		0.150 Lipomed 11012012-C	Control		ethanol quant.M
65	L16	[REDACTED]	Sample	1066929	ethanol quant.M
66	L16	[REDACTED]	Sample	1066929	ethanol quant.M
67		0.40 Lipomed 05012012-C	Control		ethanol quant.M
68		0.04 Lipomed 30112011-B	Control		ethanol quant.M
69		0.20 ACQ 402101060/6	Control		ethanol quant.M
70		blank 110215	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1092984
Injection date:	8/2/2016 7:37:15 PM	Vial:	10
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\02Aug16\10.D		

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Scottsdale City Prosecutor

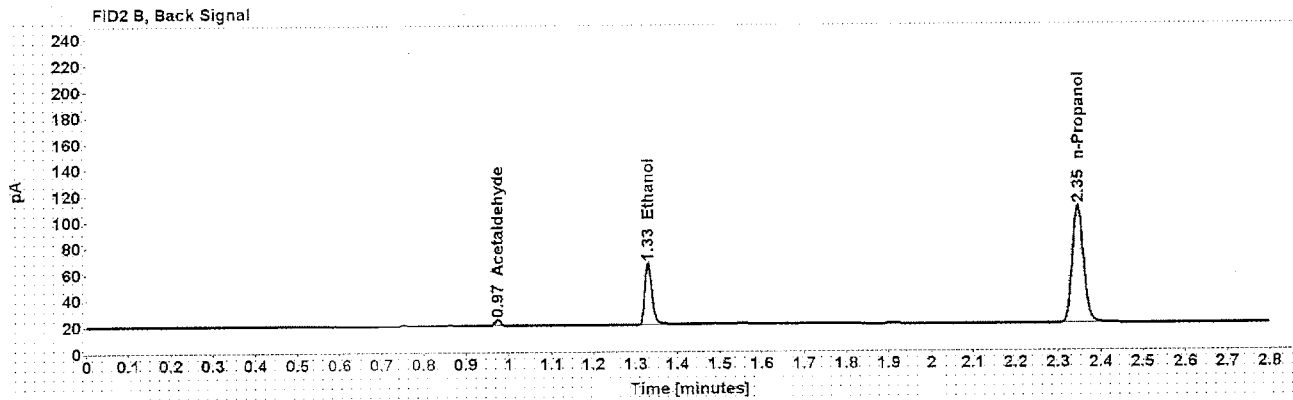
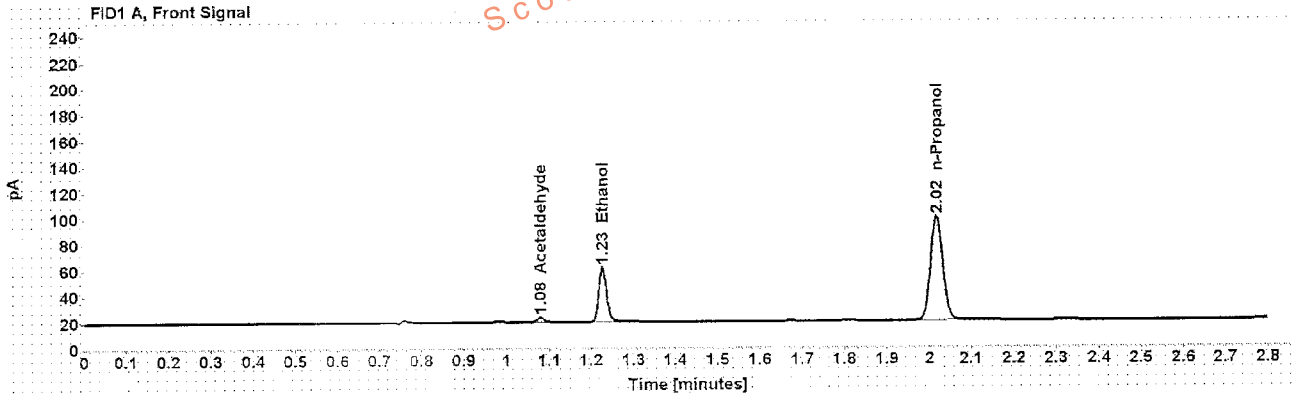


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.957
>Ethanol	0.0951	1.227	54.040
n-Propanol	-----	2.017	163.105

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.050
Ethanol	1.329	55.571
n-Propanol	2.346	166.855

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1092984
Injection date:	8/2/2016 7:41:15 PM	Vial:	11
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\11.D		

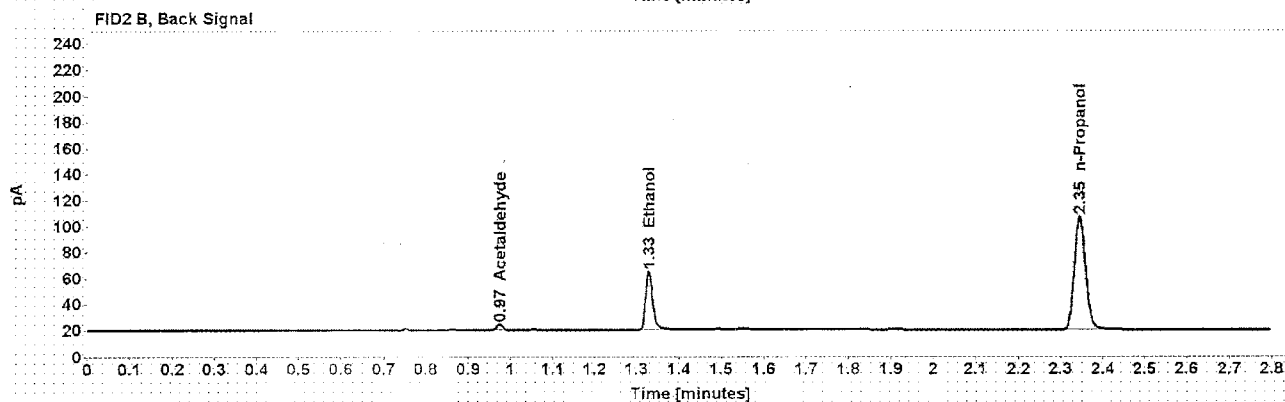
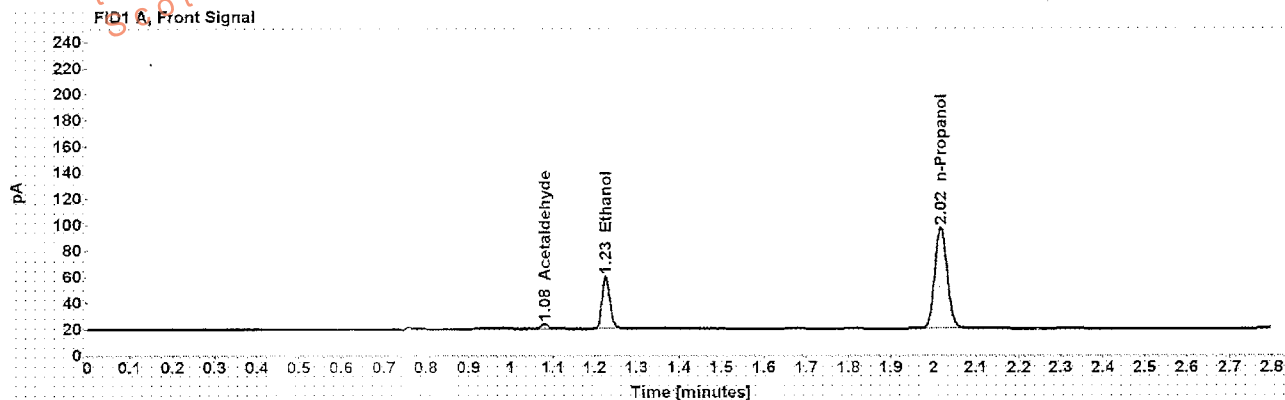


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.963
>Ethanol	0.0939	1.227	51.743
n-Propanol	-----	2.017	158.308

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.084
Ethanol	1.329	53.083
n-Propanol	2.346	161.953

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1098516
Injection date:	8/2/2016 7:45:14 PM	Vial:	12
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\02Aug16\12.D		

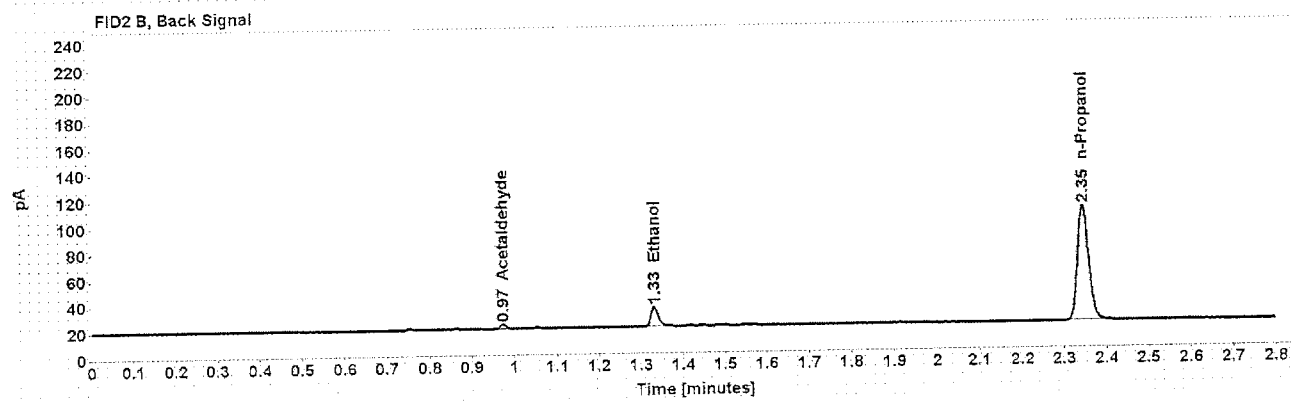
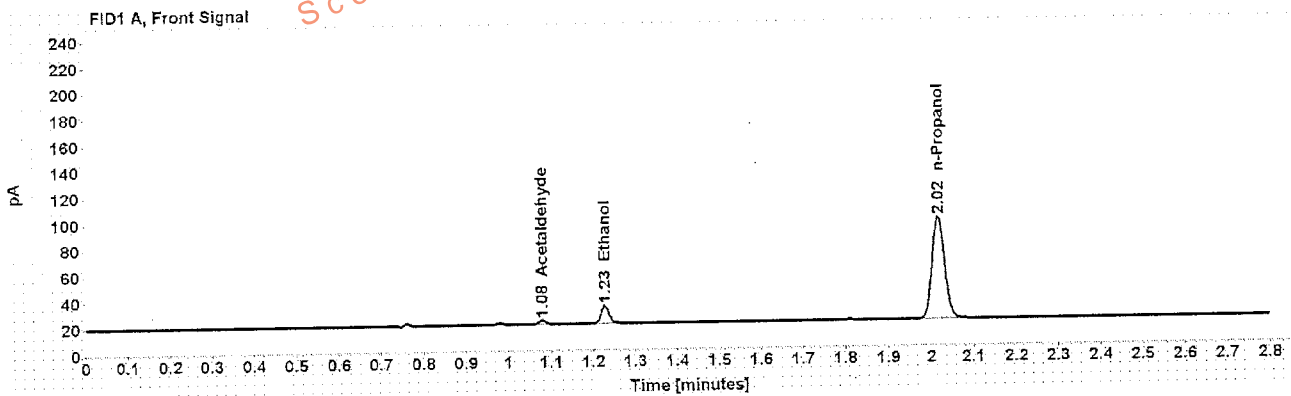


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.992
>Ethanol	0.0323	1.228	17.410
n-Propanol	-----	2.017	159.746

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.115
Ethanol	1.331	18.254
n-Propanol	2.346	163.264

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16-██████████	Item number:	1098516
Injection date:	8/2/2016 7:49:30 PM	Vial:	13
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\13.D		

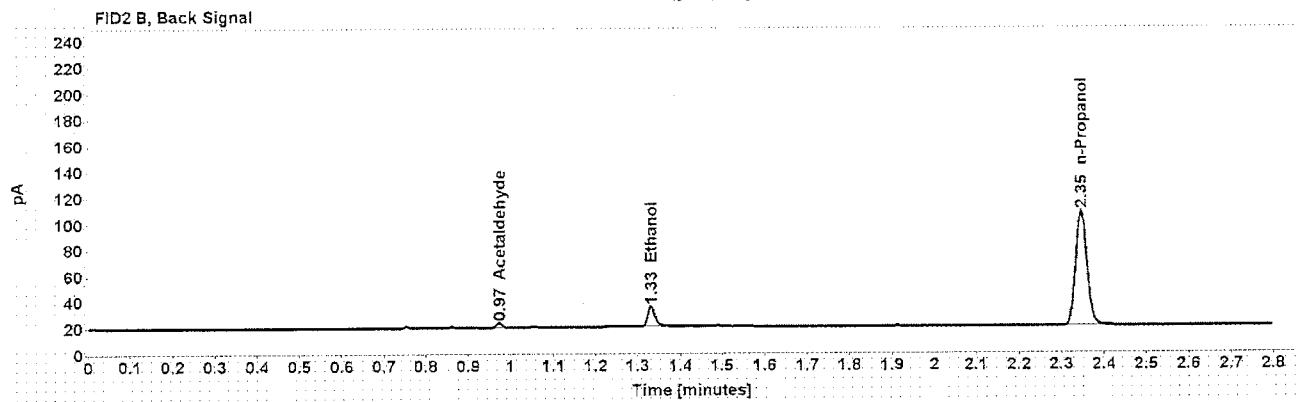
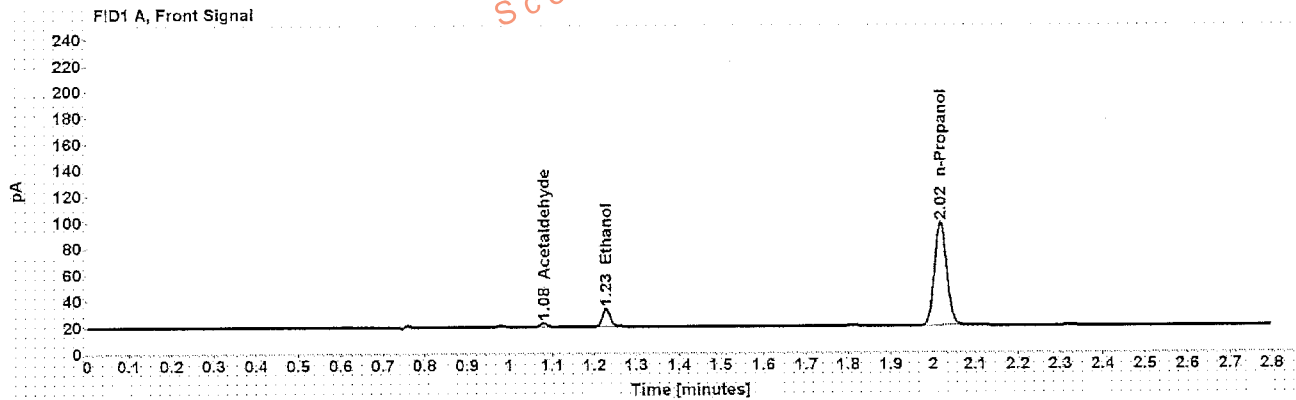


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.053
>Ethanol	0.0324	1.228	17.572
n-Propanol	-----	2.017	160.451

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.231
Ethanol	1.331	18.858
n-Propanol	2.346	164.121

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 1097356
Injection date: 8/2/2016 7:53:31 PM	Vial: 14
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 ON14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\02Aug16\14.D	

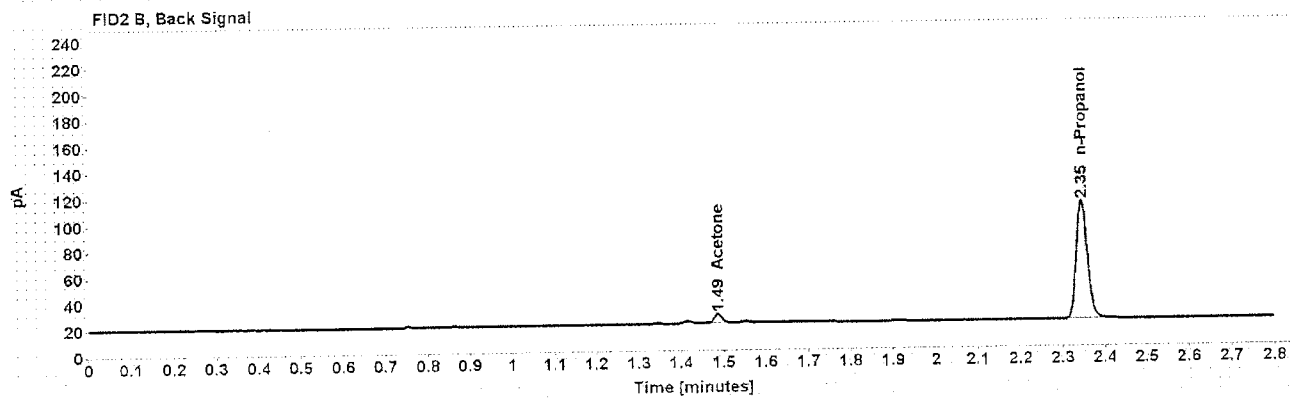
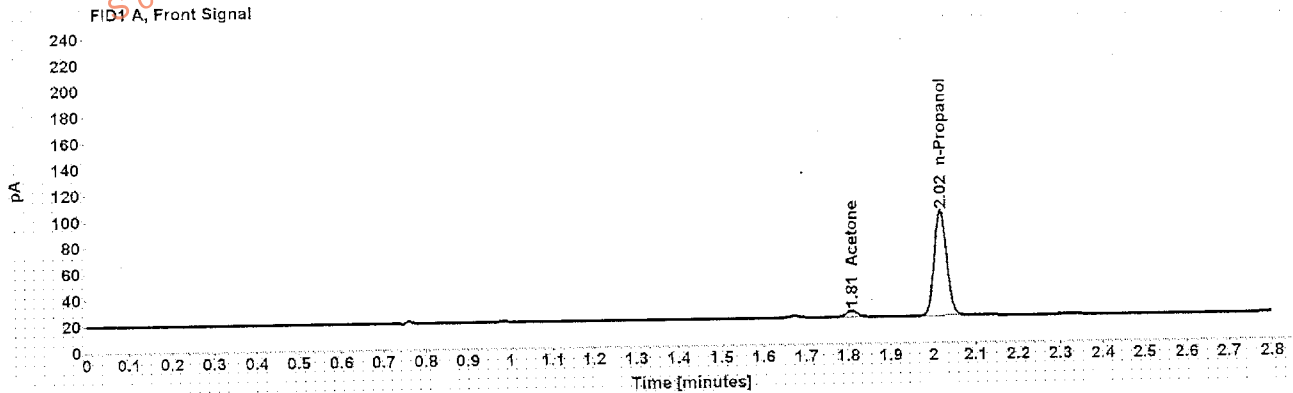


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetone	-----	1.808	8.681
n-Propanol	-----	2.017	164.376

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetone	1.486	8.983
n-Propanol	2.346	168.361

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1097556
Injection date:	8/2/2016 8:01:30 PM	Vial:	16
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\16.D		

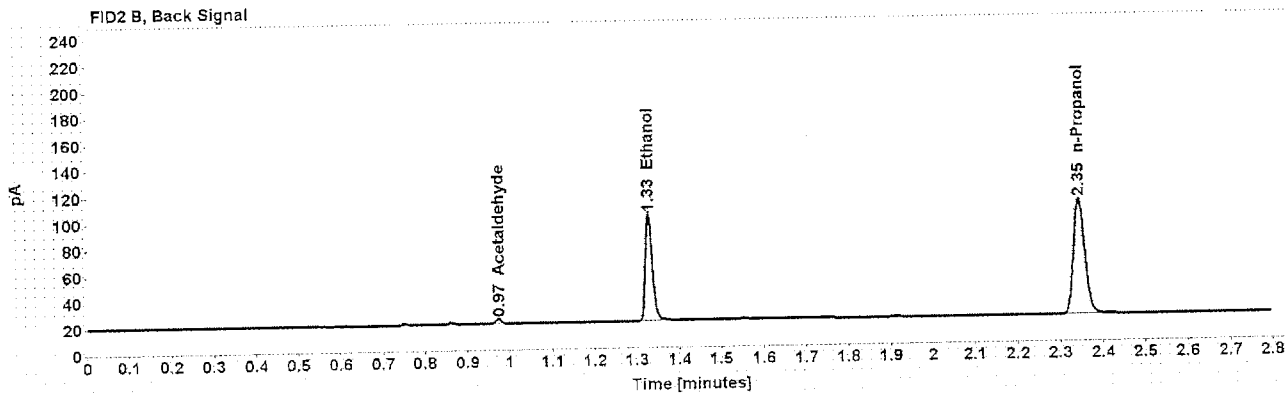
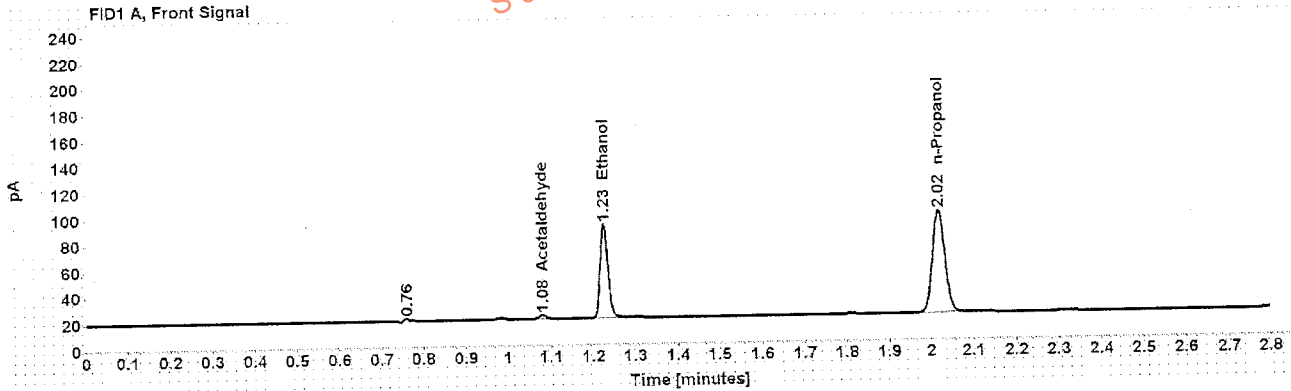


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.108
>Ethanol	0.1652	1.226	92.899
n-Propanol	-----	2.017	160.448

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.160
Ethanol	1.328	94.502
n-Propanol	2.345	163.962

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1097556
Injection date:	8/2/2016 8:05:29 PM	Vial:	17
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\17.D		

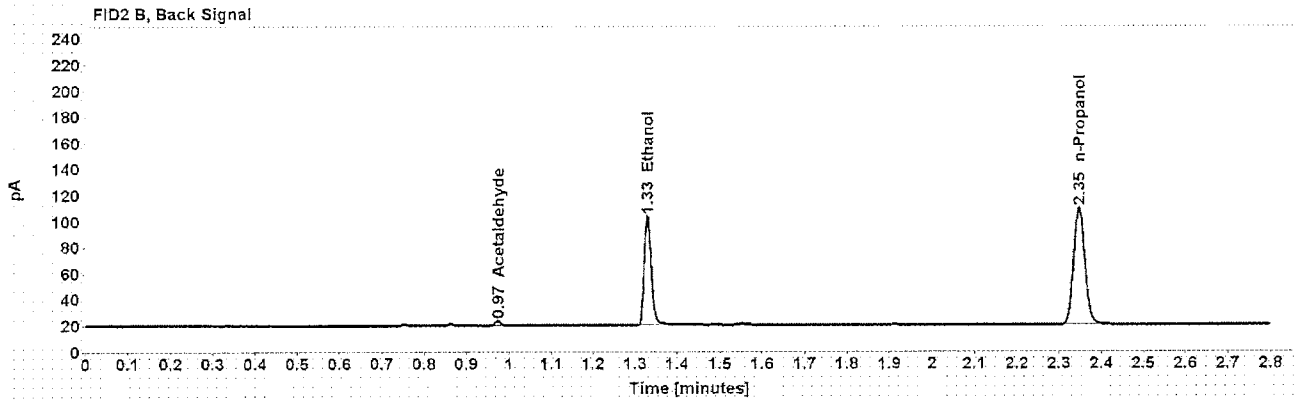
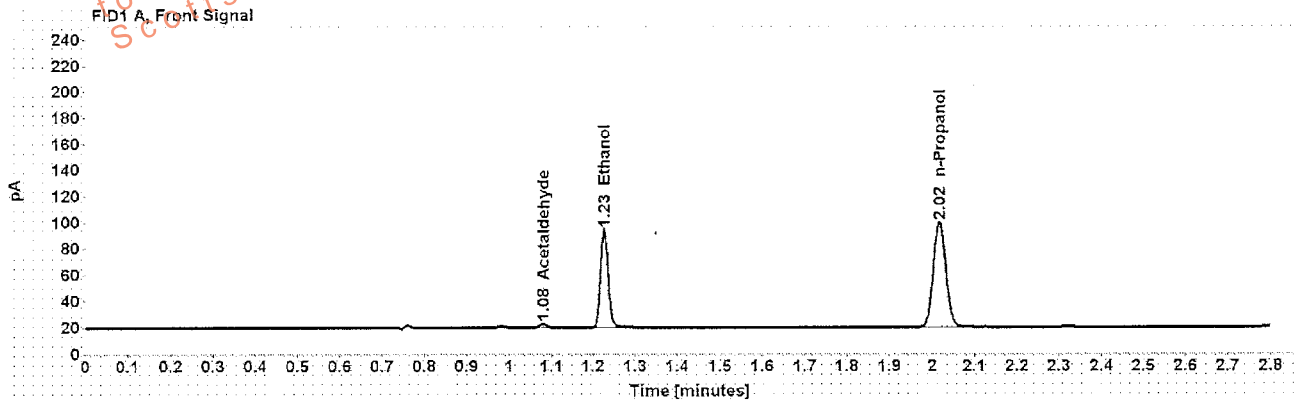


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.021
>Ethanol	0.1671	1.227	95.987
n-Propanol	-----	2.017	163.899

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.168
Ethanol	1.329	97.719
n-Propanol	2.346	167.011

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1064438
Injection date:	8/2/2016 8:09:29 PM	Vial:	18
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1>Data\02Aug16\18.D		

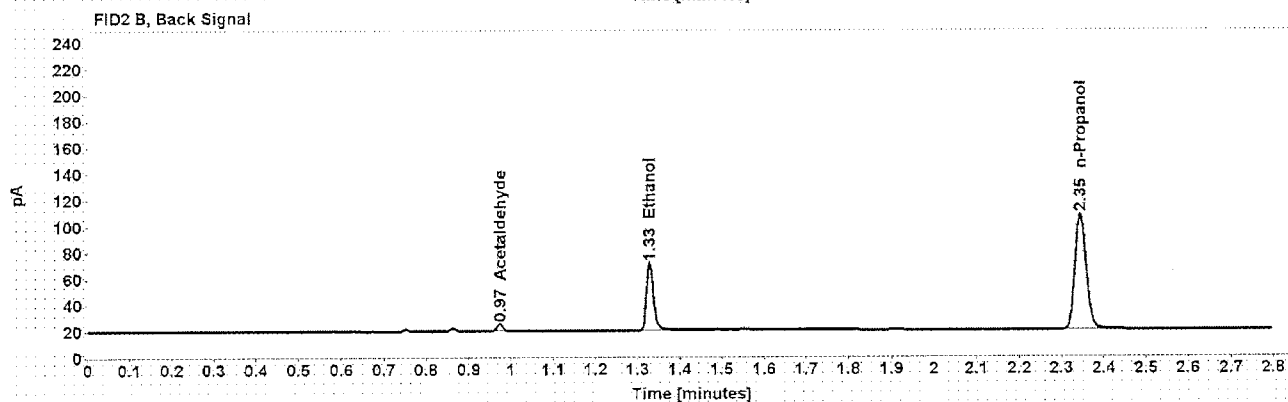
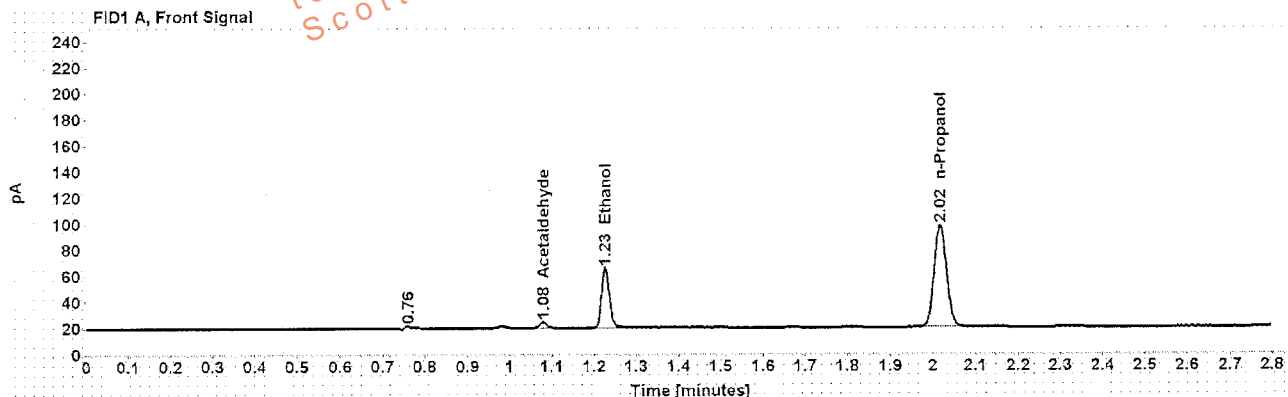


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.884
>Ethanol	0.1059	1.226	59.300
n-Propanol	-----	2.017	160.481

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.099
Ethanol	1.329	60.834
n-Propanol	2.345	164.094

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1064438
Injection date:	8/2/2016 8:13:45 PM	Vial:	19
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\19.D		

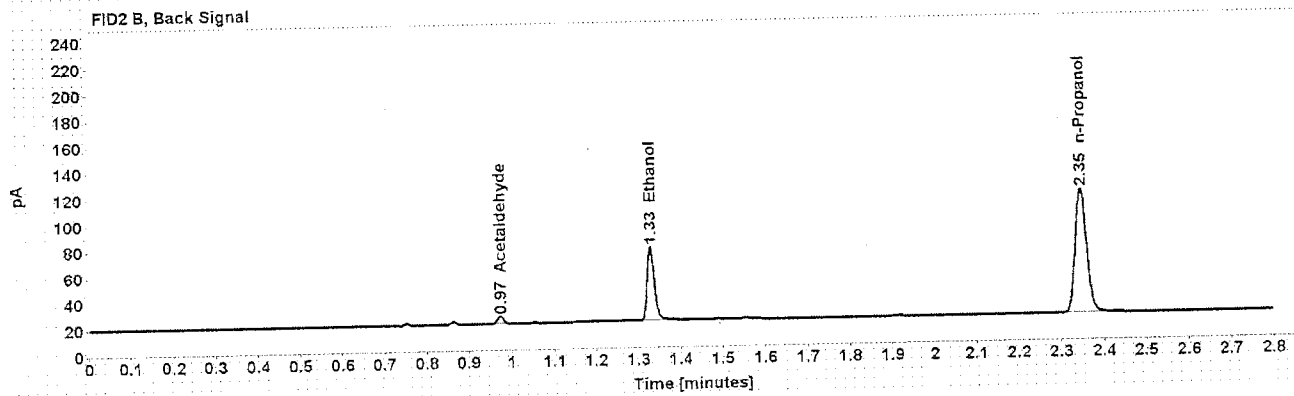
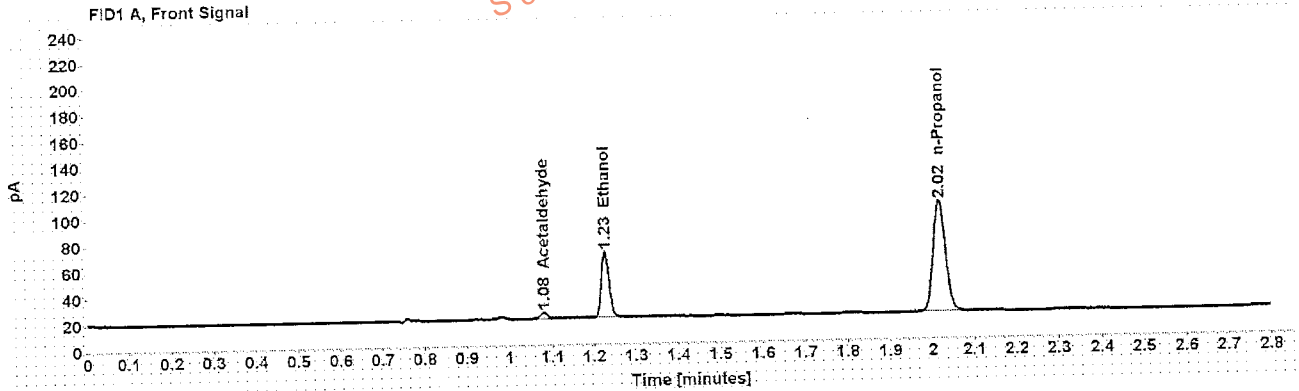


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	5.067
>Ethanol	0.1077	1.227	64.888
n-Propanol	-----	2.017	172.725

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.242
Ethanol	1.330	65.932
n-Propanol	2.346	176.649

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16-XXXXXXXXXX Item number: 1075422
 Injection date: 8/2/2016 8:21:44 PM Vial: 21
 Method: ethanol quant.M Sequence: 02Aug16
 Instrument: US14173023 CN14160045 Analyst: Langan
 Data file: C:\Chem3211\Data\02Aug16\21.D

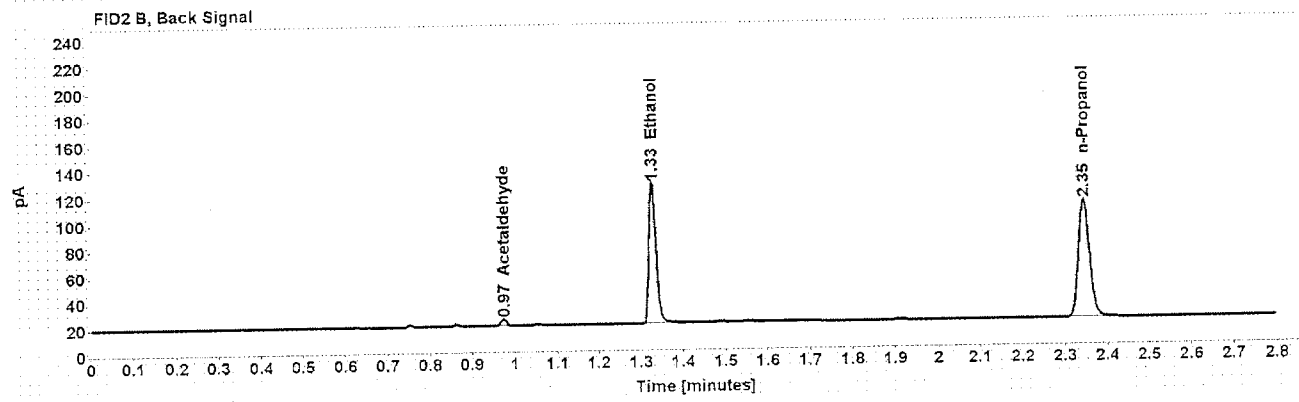
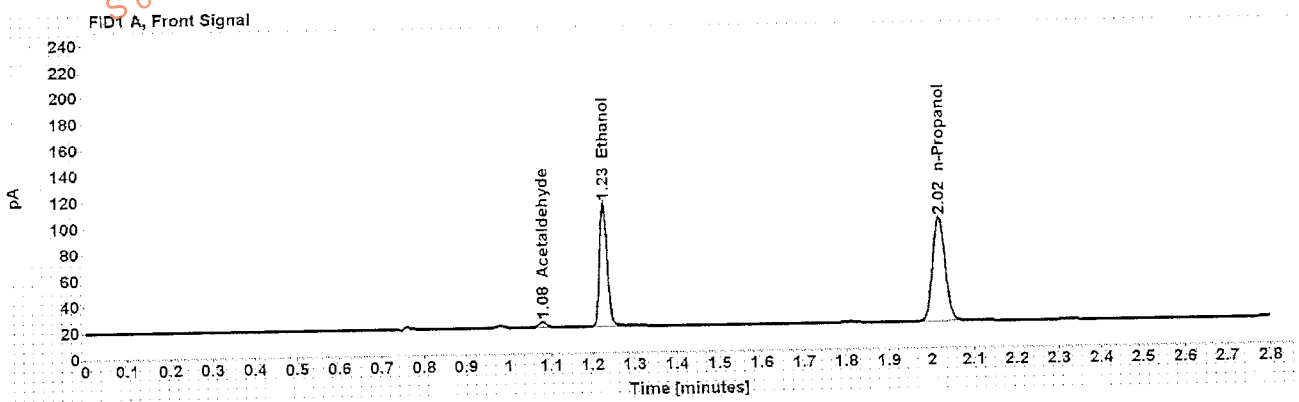


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.290
>Ethanol	0.2129	1.227	122.145
n-Propanol	-----	2.017	163.313

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.491
Ethanol	1.329	124.472
n-Propanol	2.346	166.847

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1075422
Injection date:	8/2/2016 8:25:45 PM	Vial:	22
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023.CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\22.D		

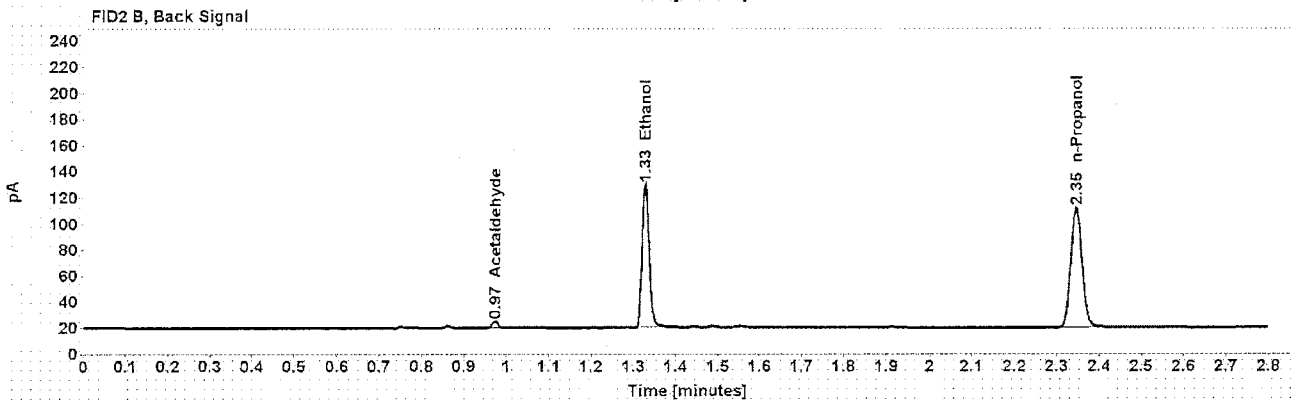
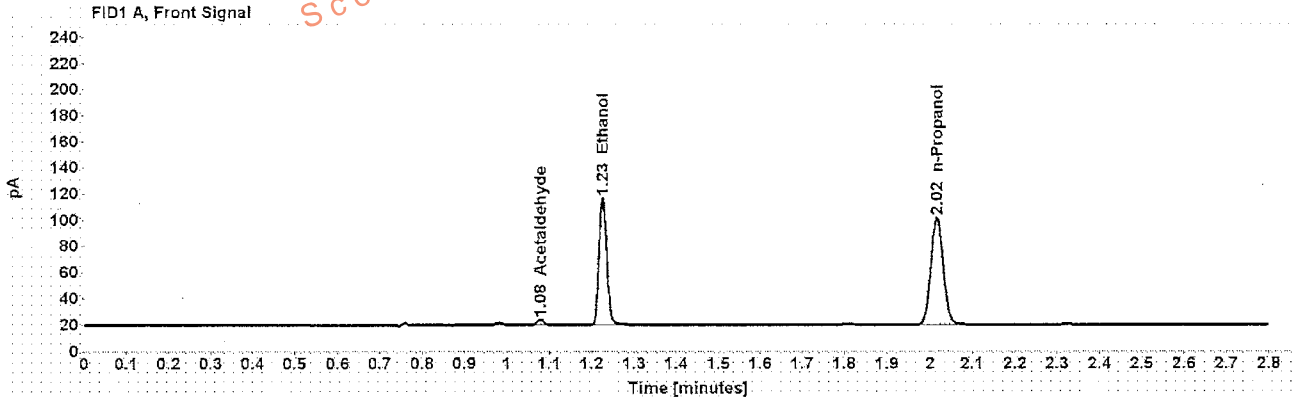


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.453
>Ethanol	0.2134	1.226	125.604
n-Propanol	-----	2.017	167.576

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.618
Ethanol	1.328	127.896
n-Propanol	2.345	171.157

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1071752
Injection date:	8/2/2016 8:29:44 PM	Vial:	23
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\23.D		

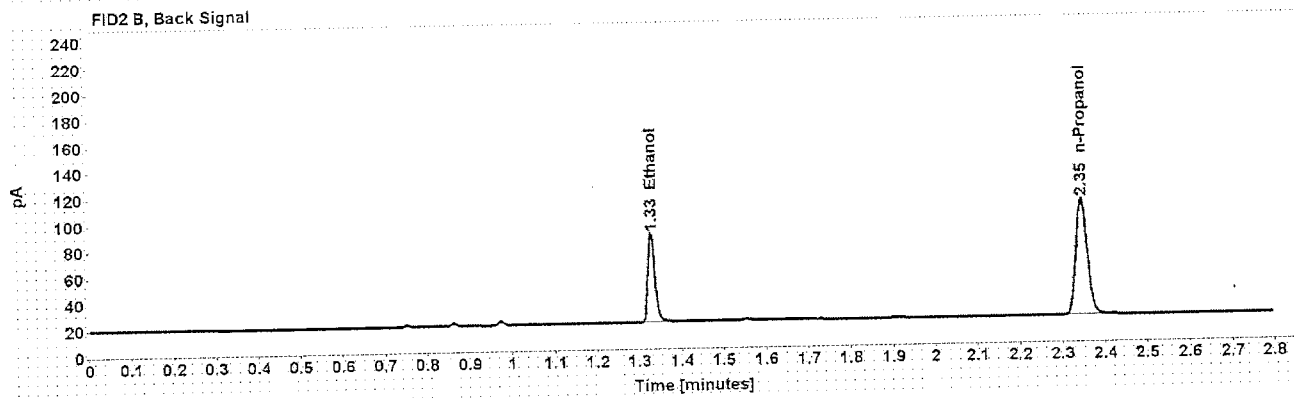
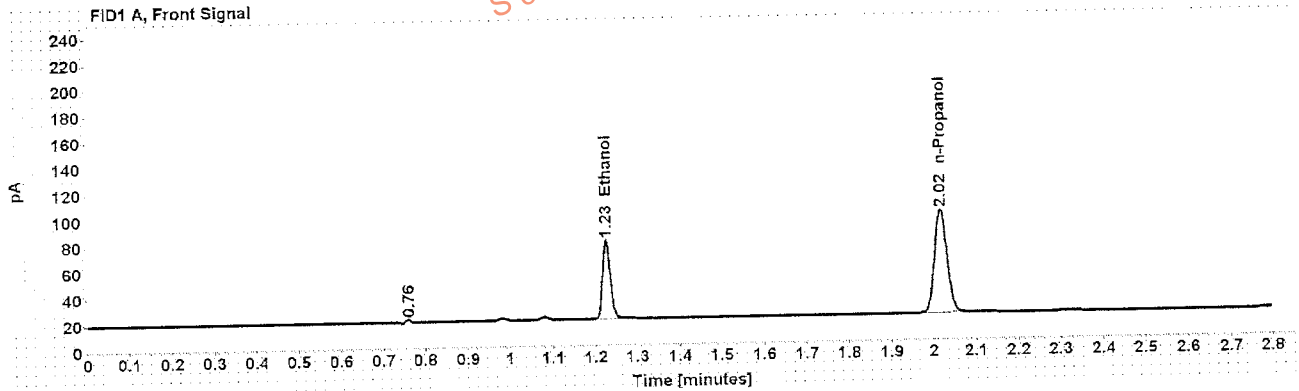


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1368	1.227	77.274
n-Propanol	-----	2.017	161.472

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	78.473
n-Propanol	2.346	165.042

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 1071752
Injection date: 8/2/2016 8:33:45 PM	Vial: 24
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Instrument: US14173023.CN14160045	Analyst: Langan
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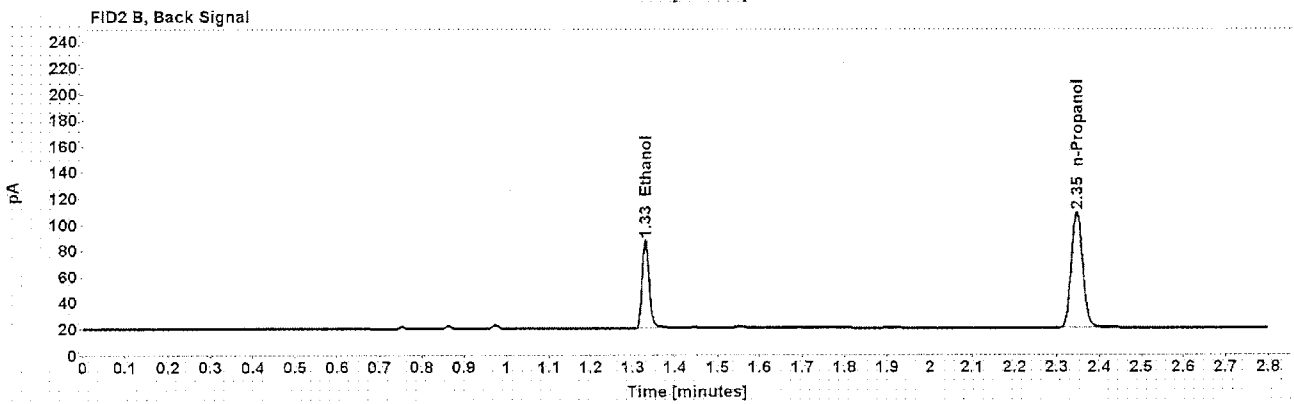
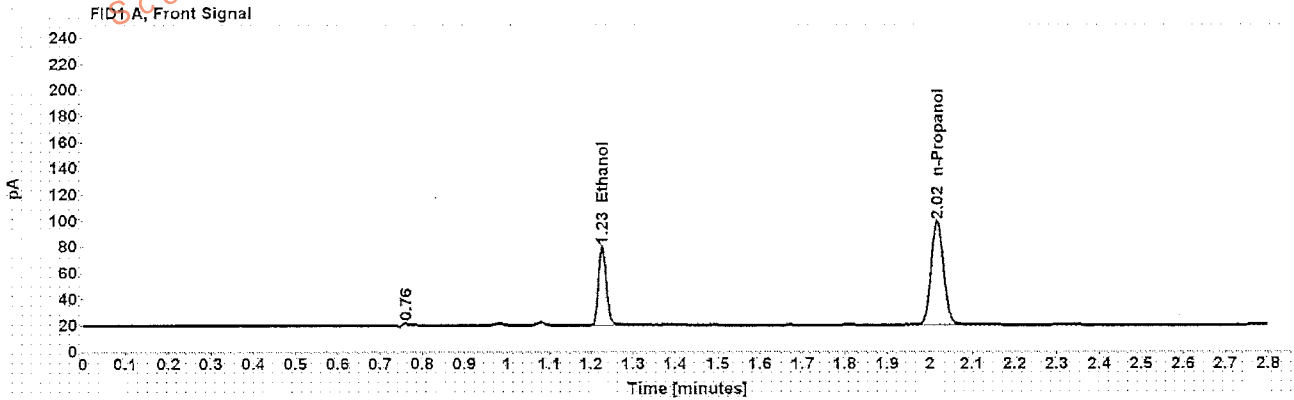


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1360	1.227	77.477
n-Propanol	-----	2.017	162.838

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	78.967
n-Propanol	2.346	165.311

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1099781
Injection date:	8/2/2016 8:37:59 PM	Vial:	25
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\02Aug16\25.D		

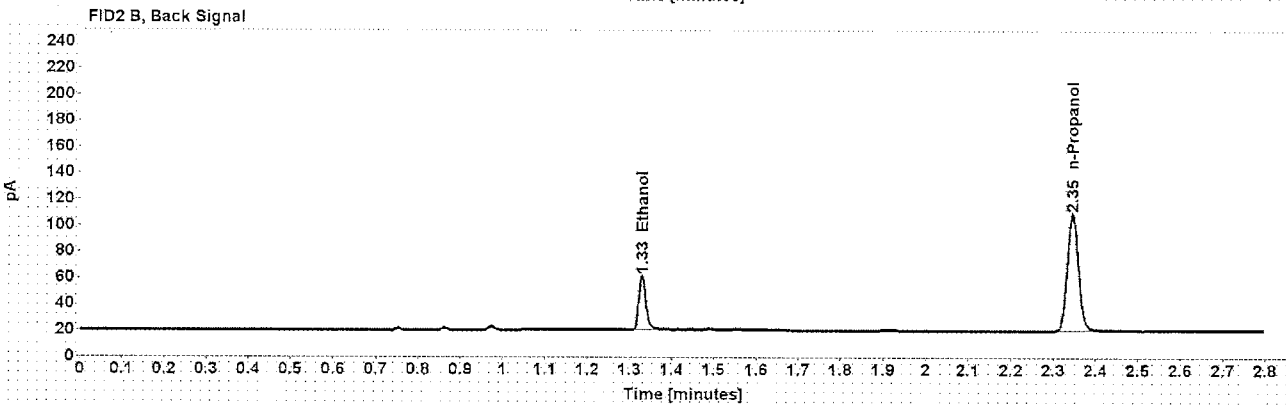
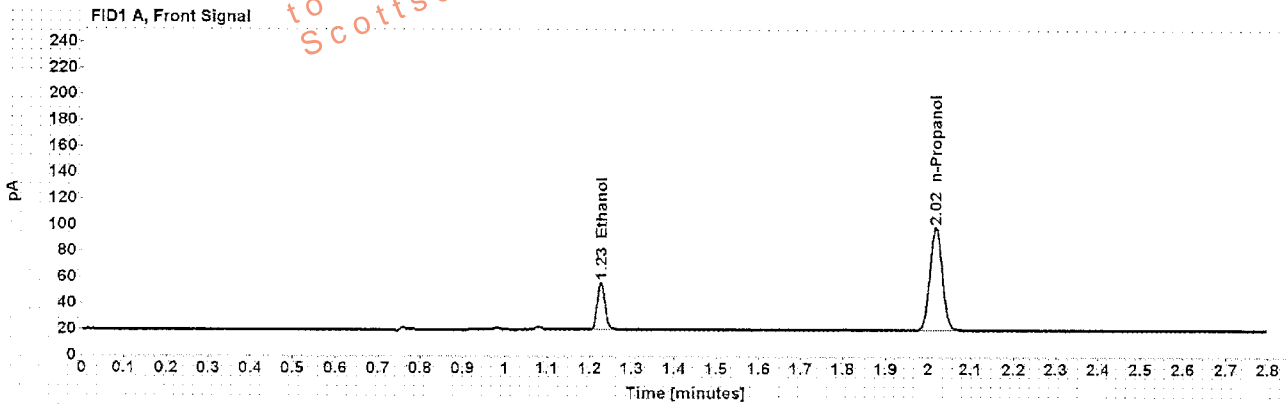


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0836	1.227	47.140
n-Propanol	-----	2.017	162.270

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	48.849
n-Propanol	2.346	165.703

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1099781
Injection date:	8/2/2016 8:42:00 PM	Vial:	26
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\26.D		

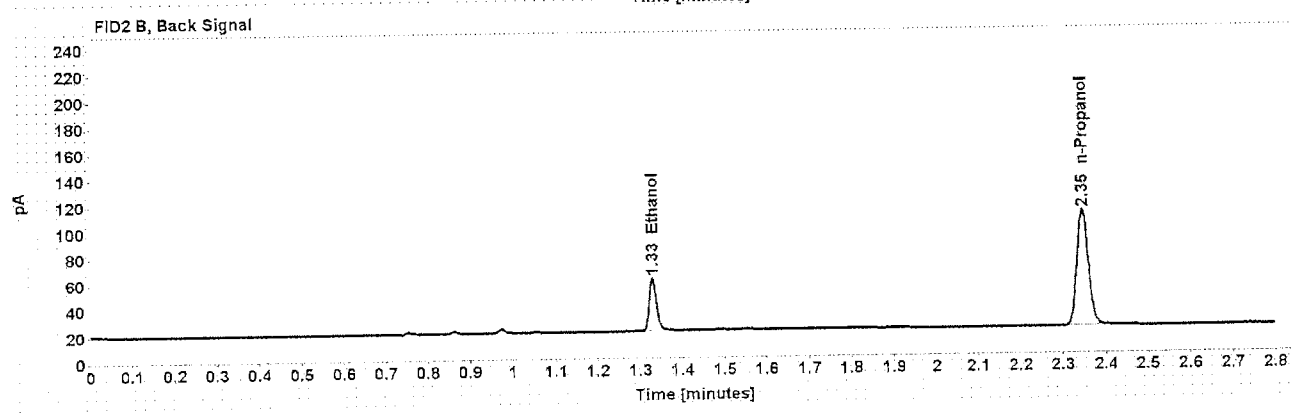
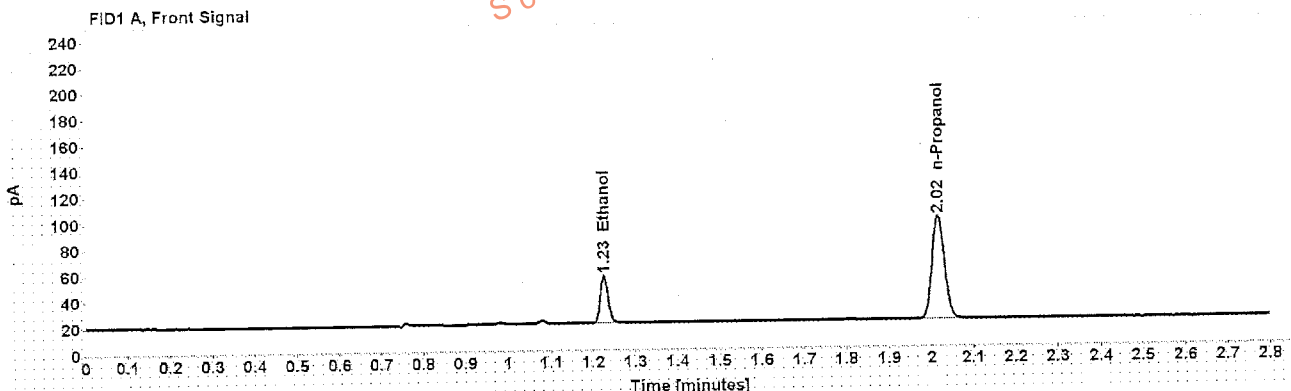


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0837	1.227	46.924
n-Propanol	-----	2.017	161.376

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	47.506
n-Propanol	2.345	164.827

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1099581
Injection date:	8/2/2016 8:45:59 PM	Vial:	27
Method:	ethanol.quant.M	Sequence:	02Aug16
Instrument:	US14173023.CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\27.D		

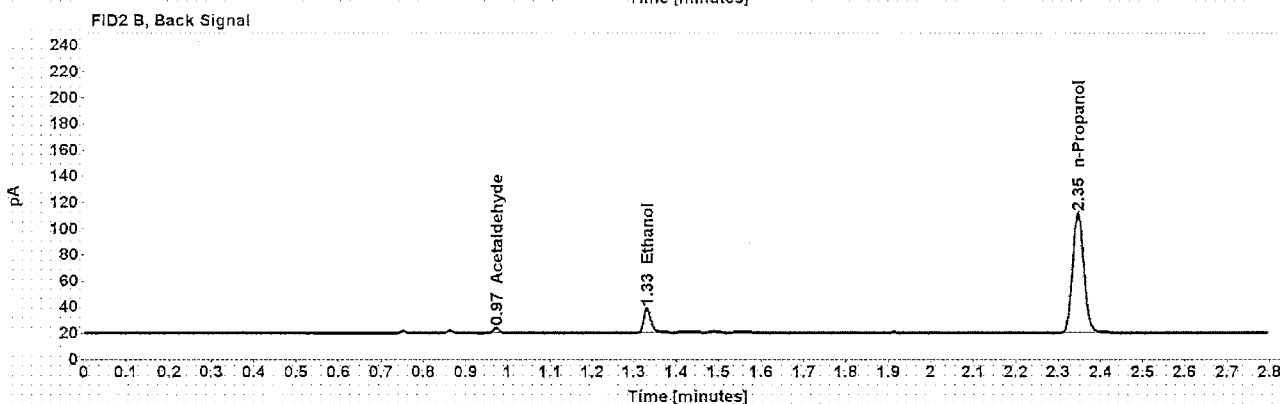
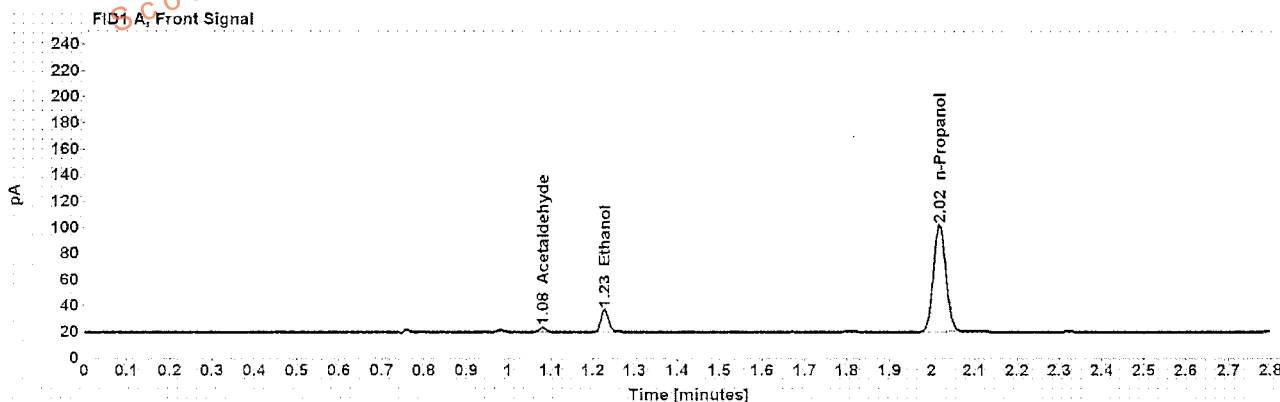


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.482
>Ethanol	0.0386	1.228	22.017
n-Propanol	-----	2.017	167.704

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.575
Ethanol	1.331	22.798
n-Propanol	2.346	171.139

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1099581
Injection date:	8/2/2016 8:49:59 PM	Vial:	28
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem321\1Data\02Aug16\28.D		

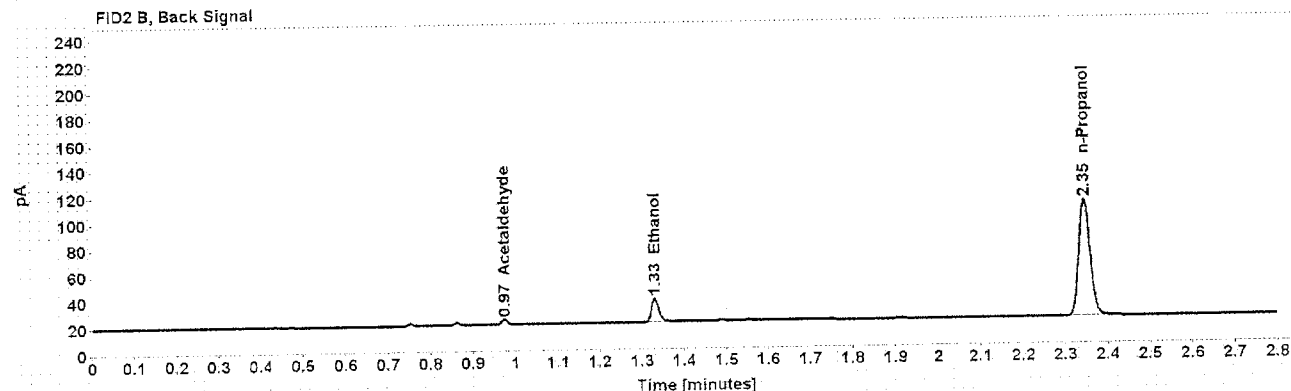
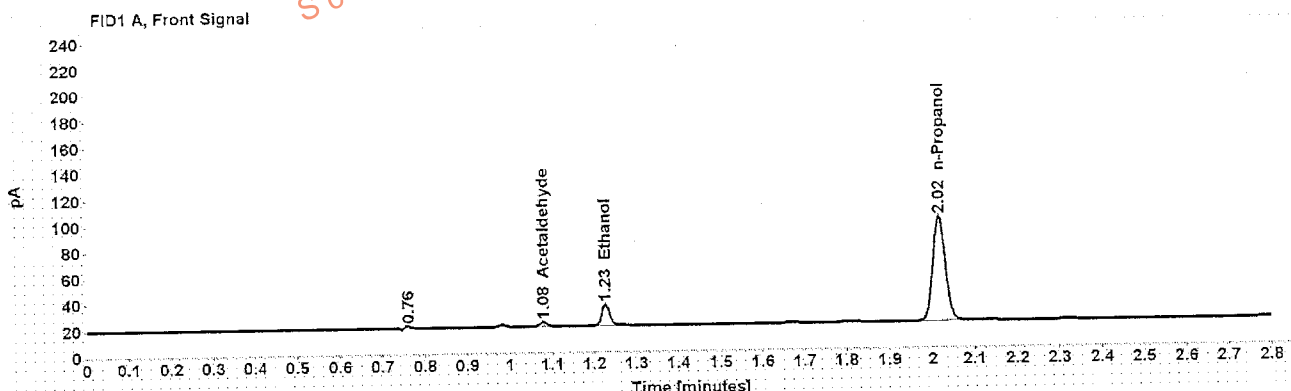


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.531
>Ethanol	0.0380	1.227	21.080
n-Propanol	-----	2.017	163.021

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.691
Ethanol	1.330	21.802
n-Propanol	2.345	166.644

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 1102117
Injection date: 8/2/2016 8:53:59 PM	Vial: 29
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\02Aug16\29.D	

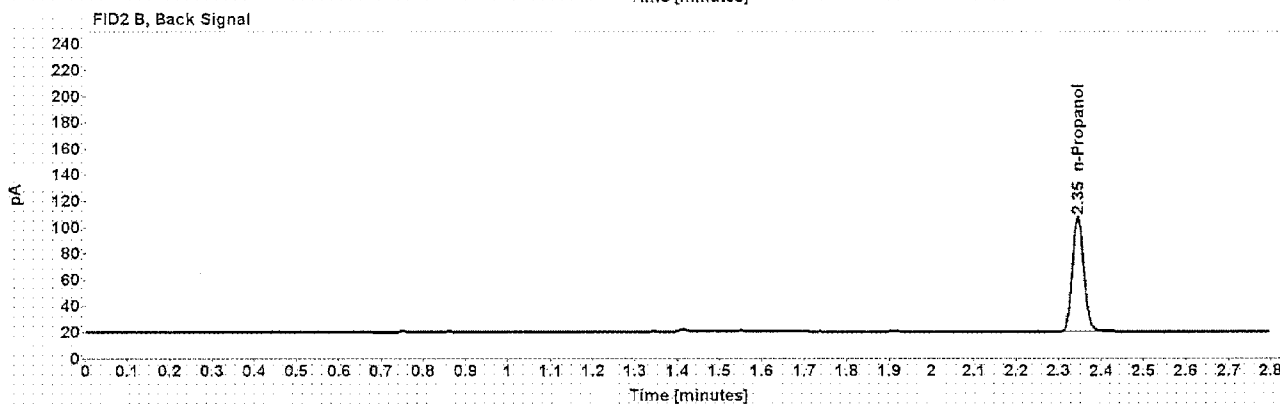
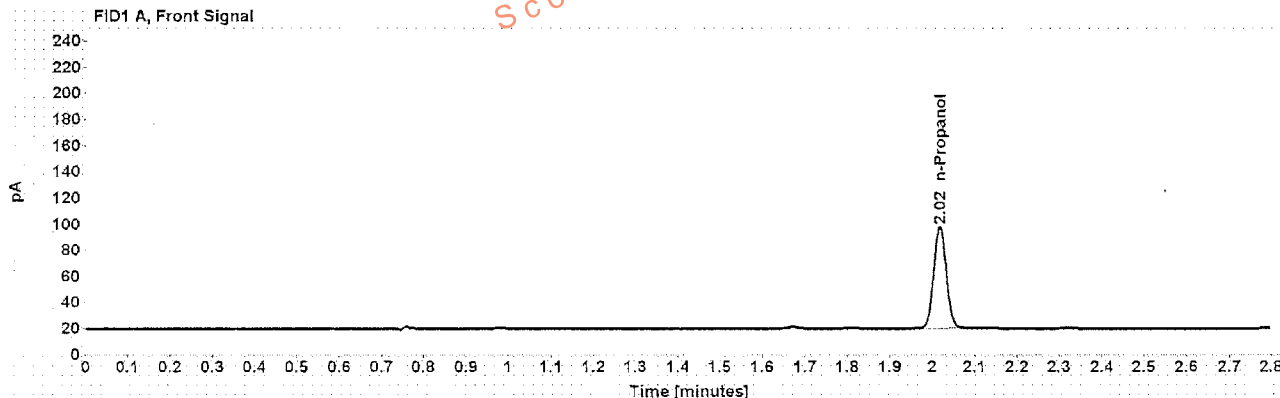


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	159.753

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.346	163.183

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1102117
Injection date:	8/2/2016 8:58:00 PM	Vial:	30
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\30.D		

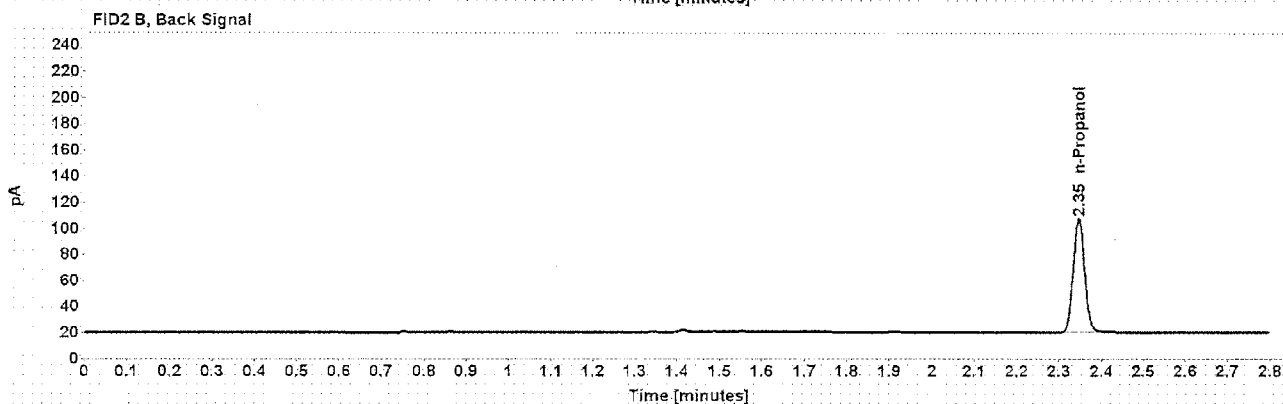
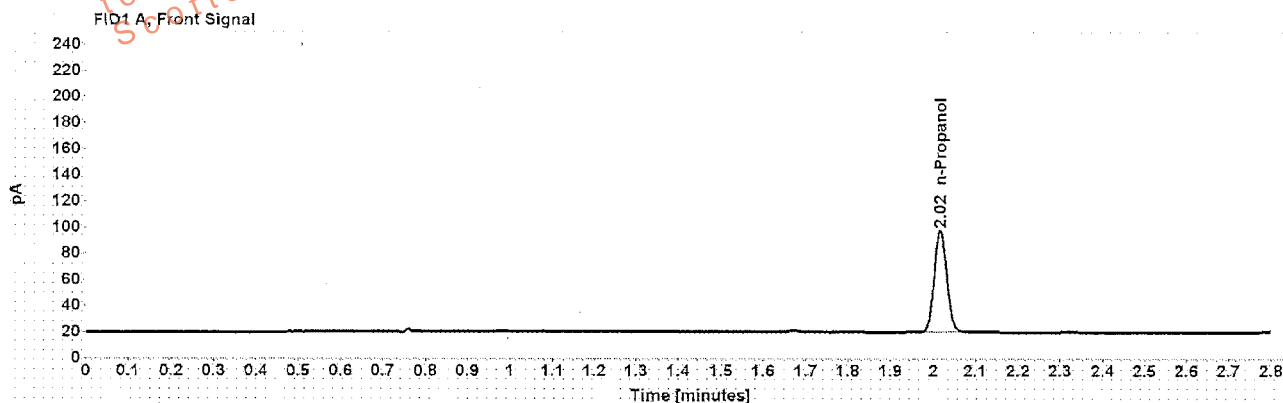


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	159.858

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.345	163.303

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1061707
Injection date:	8/2/2016 9:06:15 PM	Vial:	32
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\32.D		

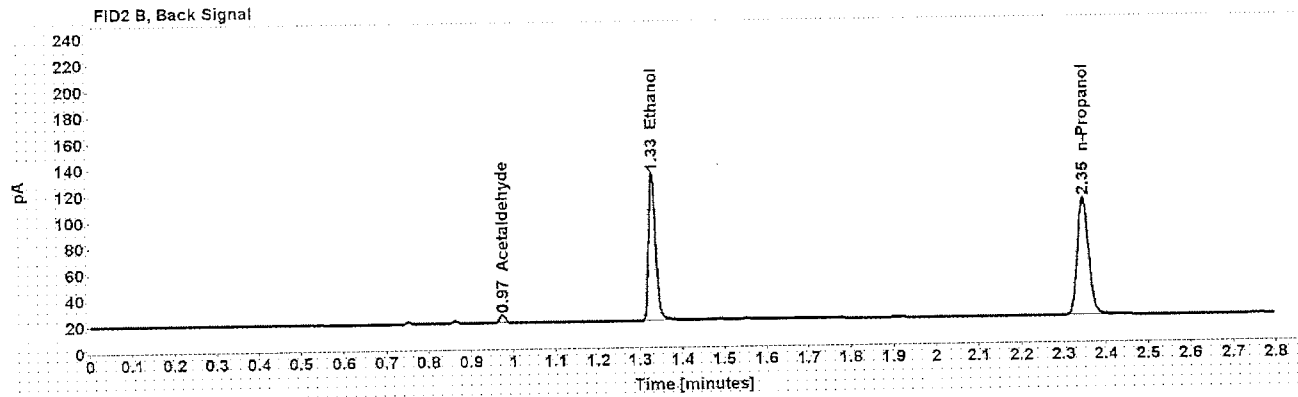
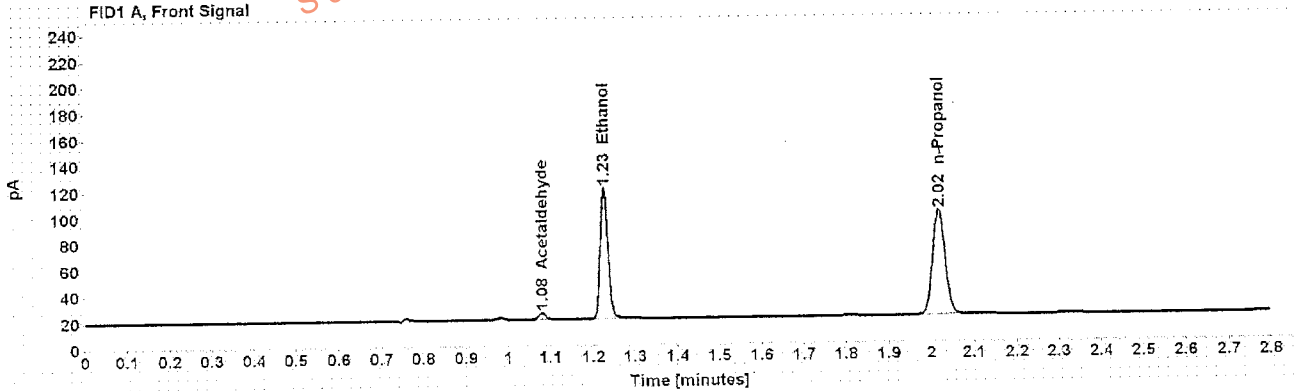


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	5.231
>Ethanol	0.2237	1.227	128.695
n-Propanol	-----	2.017	163.769

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.425
Ethanol	1.329	130.871
n-Propanol	2.346	167.155

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1061707
Injection date:	8/2/2016 9:10:15 PM	Vial:	33
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\33.D		

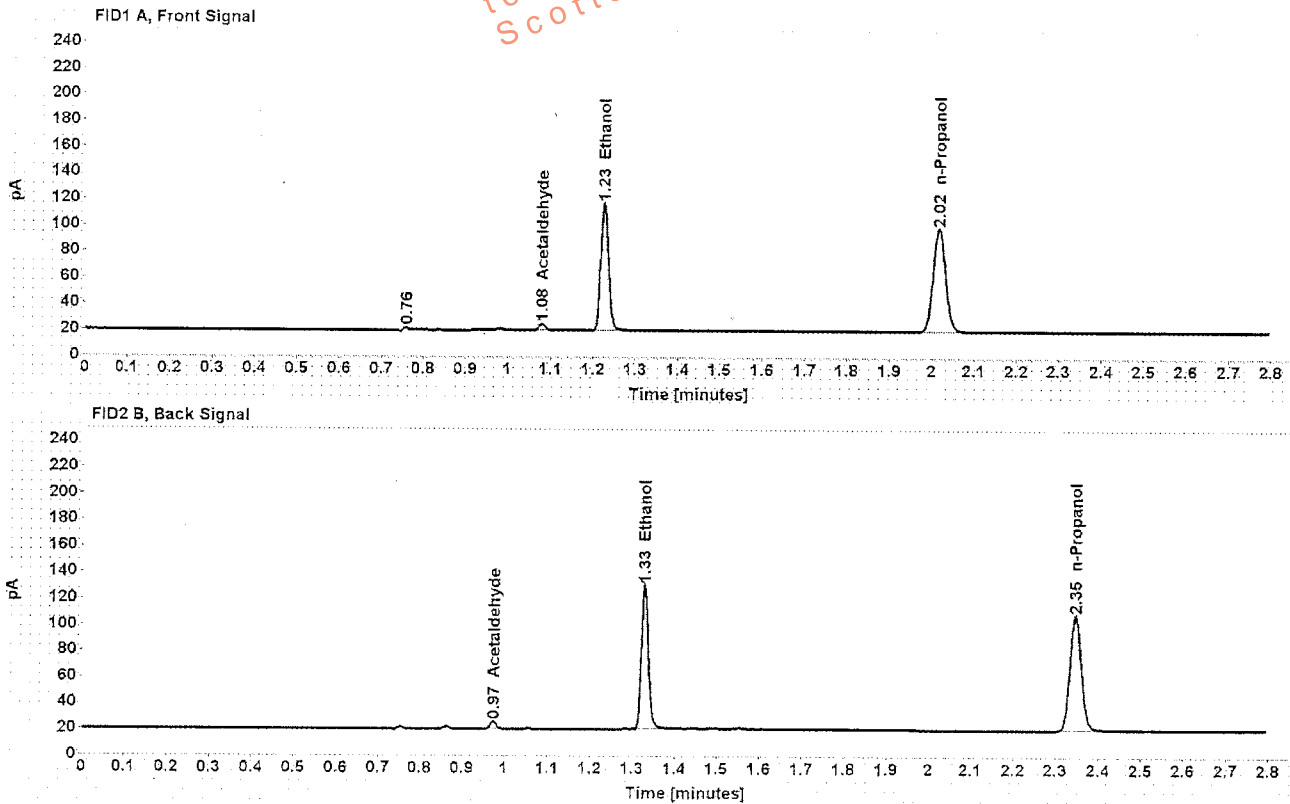


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	5.125
>Ethanol	0.2212	1.226	125.550
n-Propanol	-----	2.017	161.521

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.312
Ethanol	1.329	127.816
n-Propanol	2.346	164.911

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16	Item number:	1101012
Injection date:	8/2/2016 9:14:14 PM	Vial:	34
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\02Aug16\34.D		

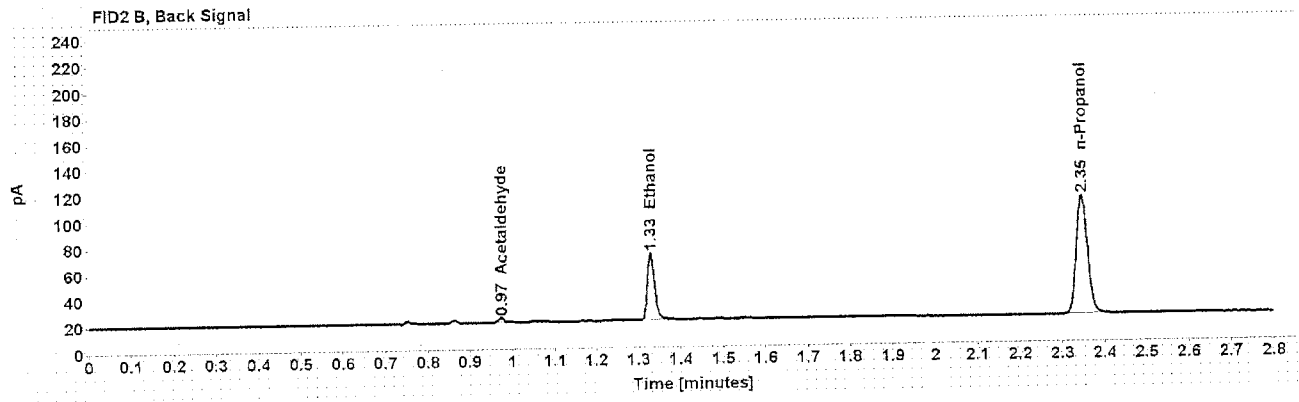
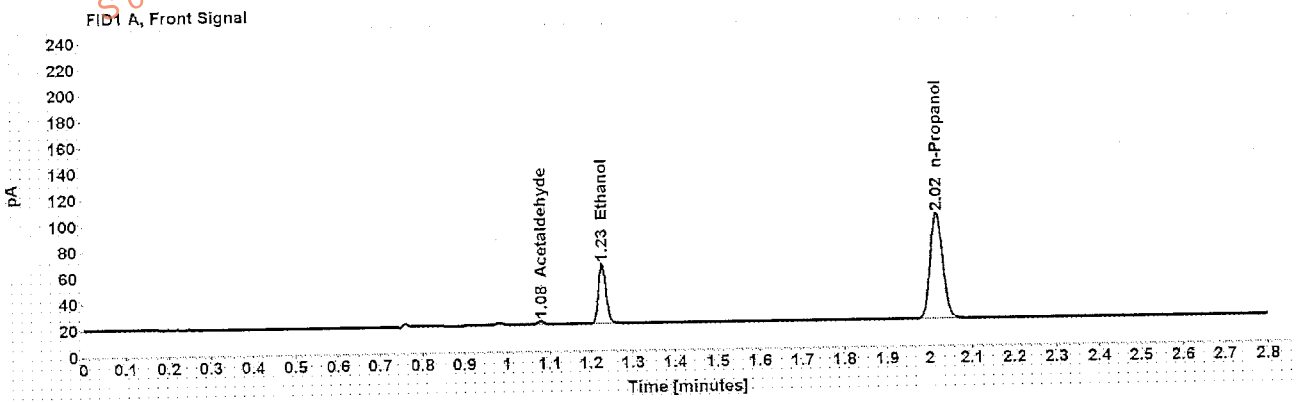


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.863
>Ethanol	0.1025	1.227	59.084
n-Propanol	-----	2.018	165.277

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.992
Ethanol	1.330	59.877
n-Propanol	2.347	168.919

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1101012
Injection date:	8/2/2016 9:18:15 PM	Vial:	35
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\35.D		

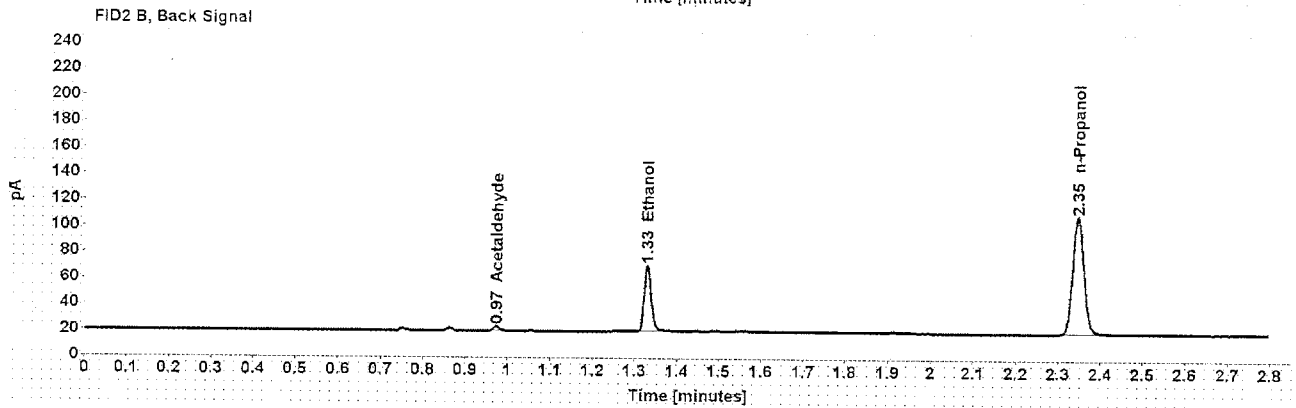
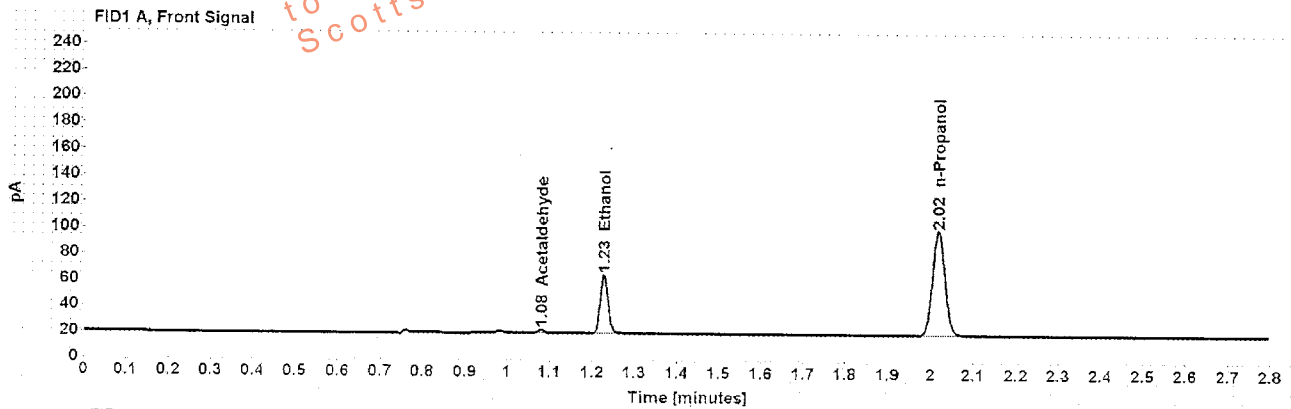


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.835
>Ethanol	0.1019	1.227	58.238
n-Propanol	-----	2.017	164.031

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.967
Ethanol	1.330	59.798
n-Propanol	2.346	167.599

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16- [REDACTED]	Item number:	1101008
Injection date:	8/2/2016 9:22:15 PM	Vial:	36
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\02Aug16\36.D		

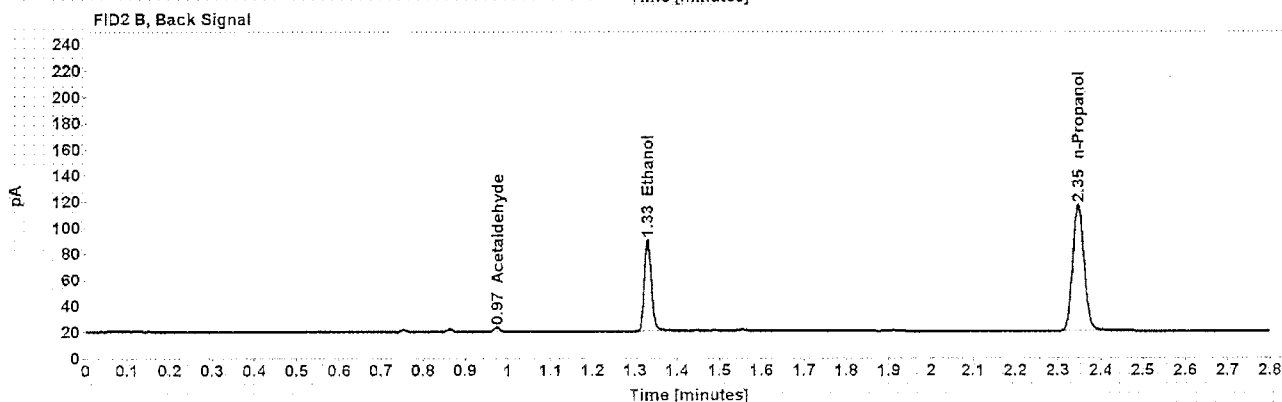
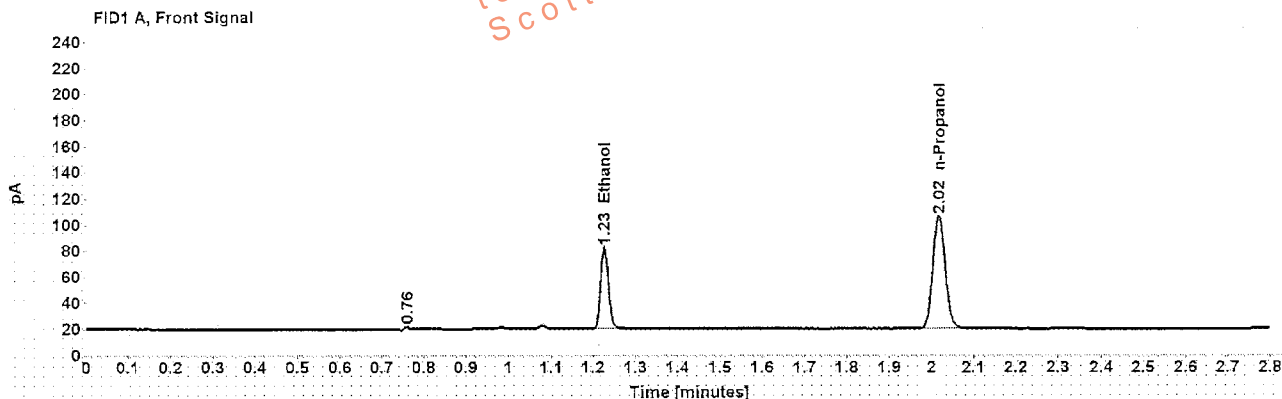


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1304	1.227	80.528
n-Propanol	-----	2.017	176.637

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.859
Ethanol	1.329	81.964
n-Propanol	2.346	180.140

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 1101008
Injection date: 8/2/2016 9:26:29 PM	Vial: 37
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14373023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\02Aug16\37.D	

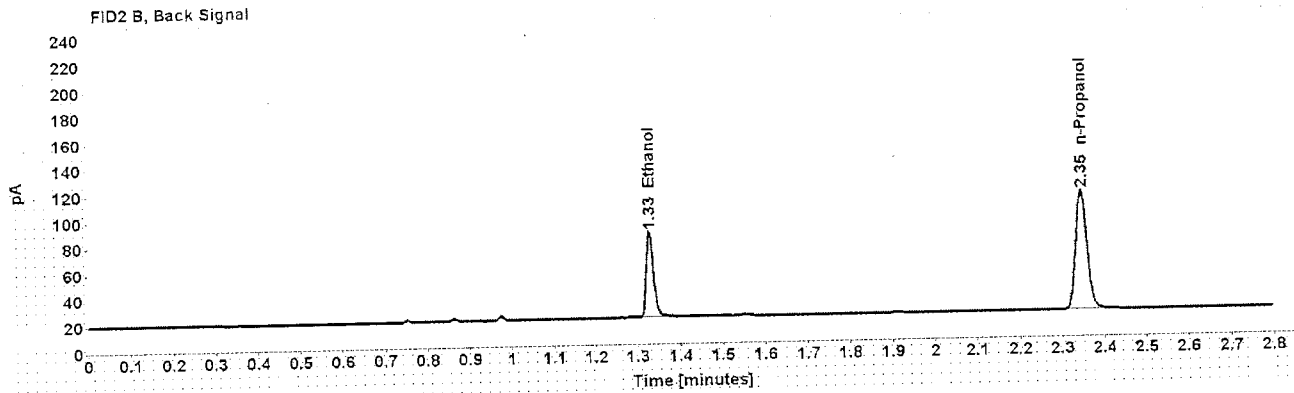
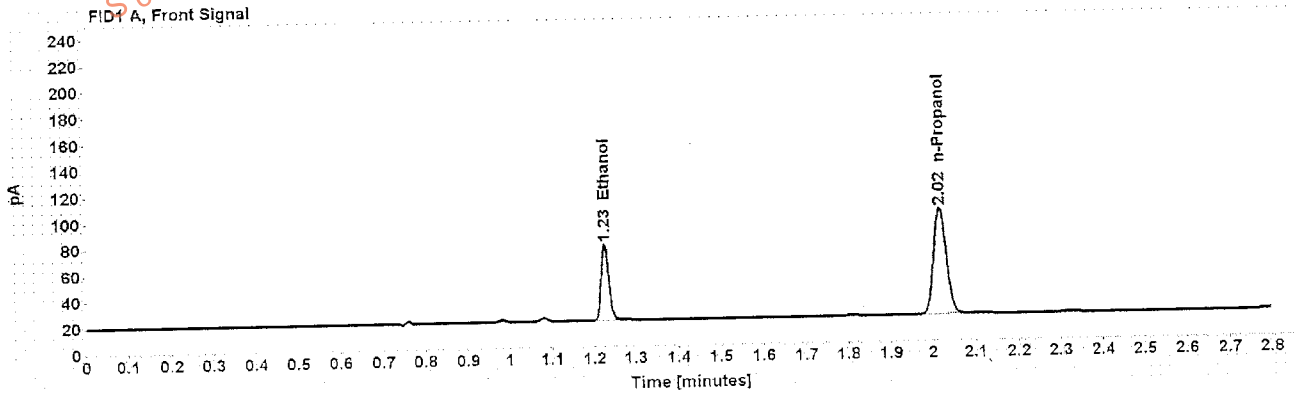


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1295	1.227	75.244
n-Propanol	-----	2.017	166.139

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	76.379
n-Propanol	2.346	169.571

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	000001A
Injection date:	8/2/2016 9:30:30 PM	Vial:	38
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\38.D		

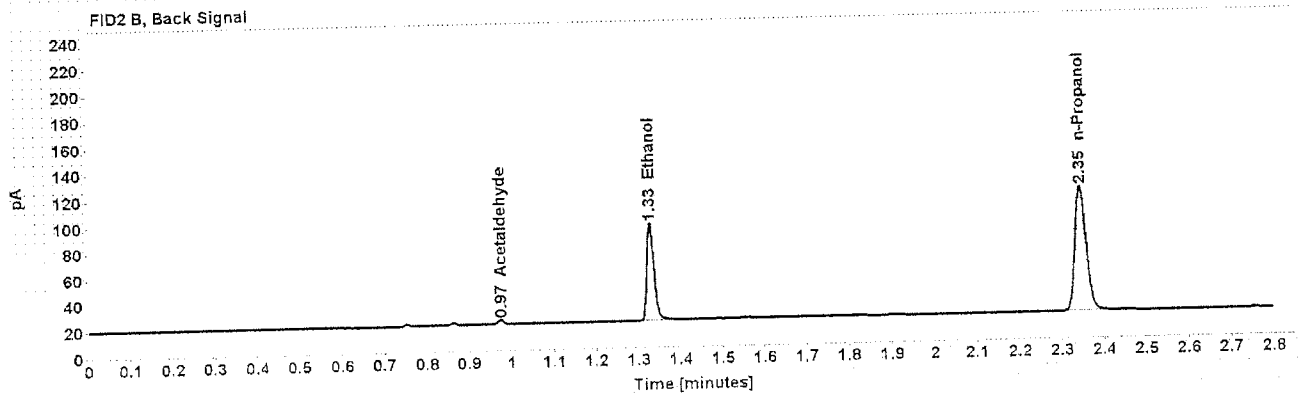
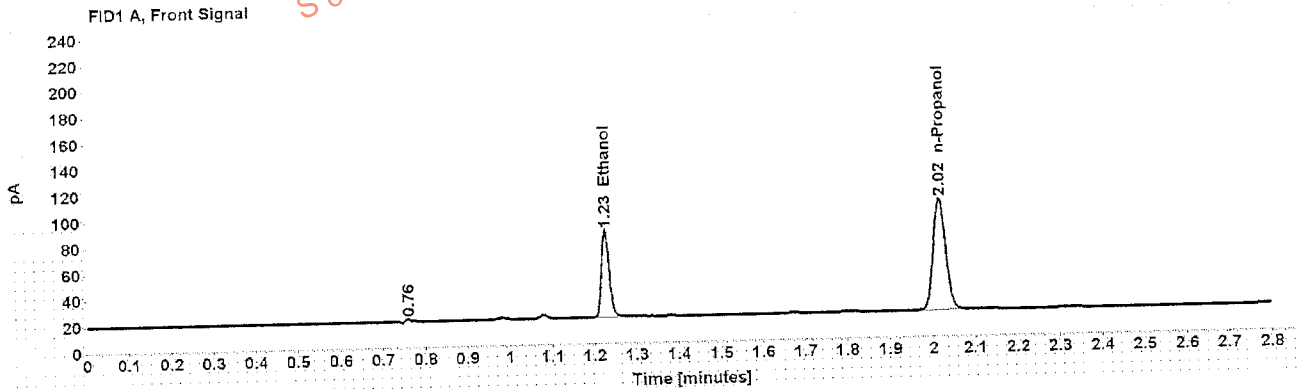


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1402	1.227	85.493
n-Propanol	-----	2.017	174.202

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.841
Ethanol	1.329	87.010
n-Propanol	2.346	177.785

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16- [REDACTED]	Item number:	000001A
Injection date:	8/2/2016 9:34:29 PM	Vial:	39
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\39.D		

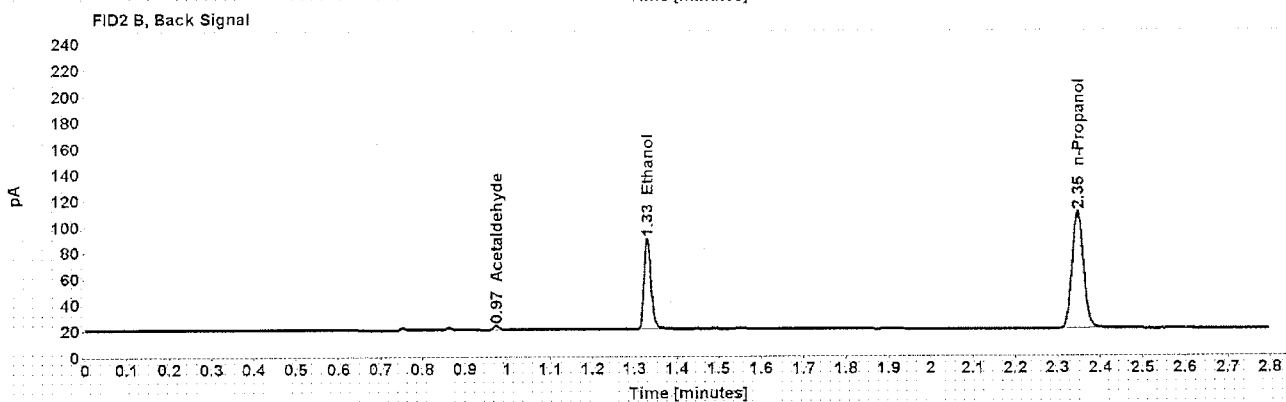
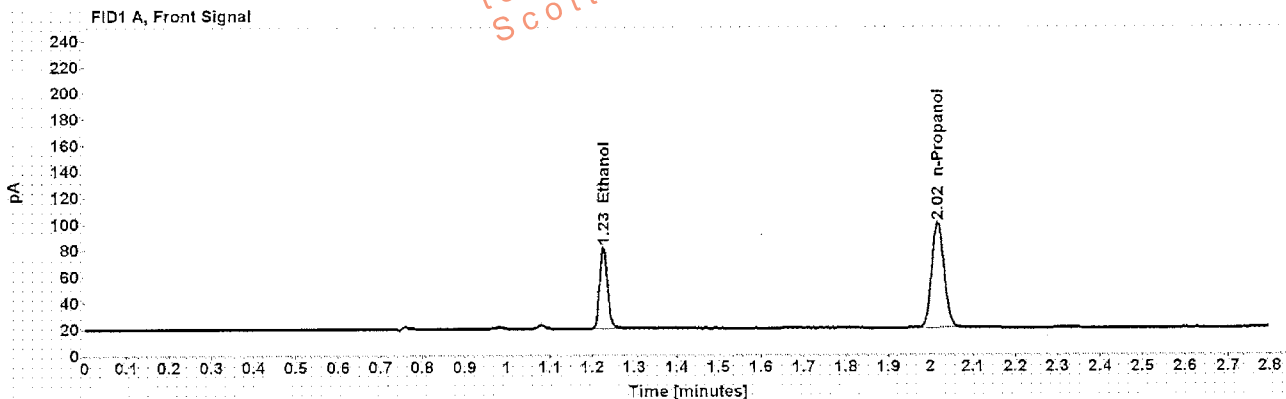


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1392	1.227	79.732
n-Propanol	-----	2.017	163.662

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.874
Ethanol	1.329	81.079
n-Propanol	2.346	167.106

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	000001A
Injection date:	8/2/2016 9:38:30 PM	Vial:	40
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 ON14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\40.D		

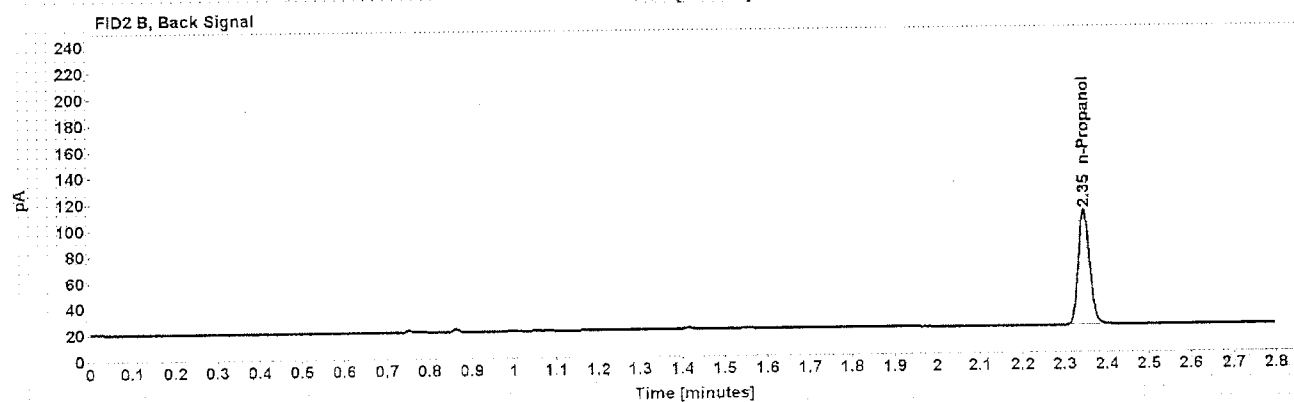
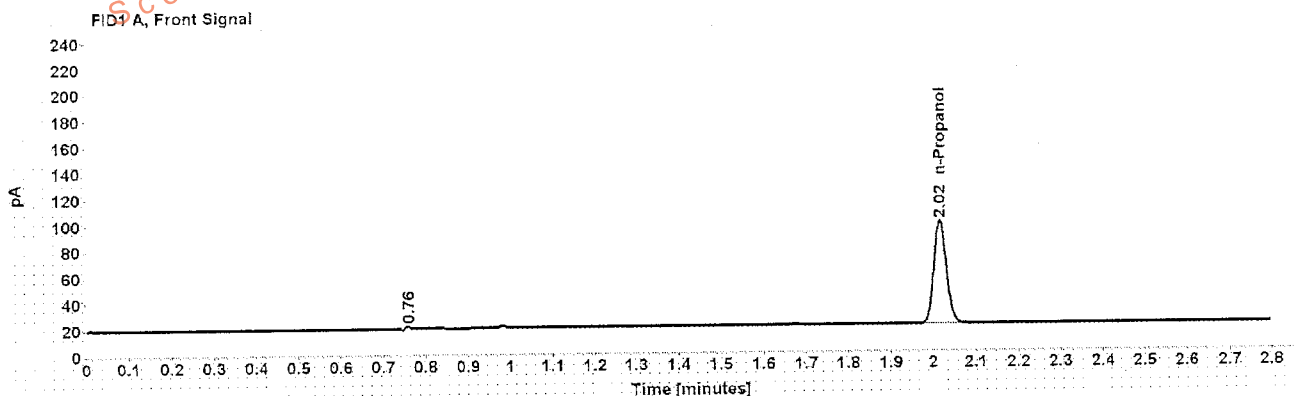


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	160.873

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.345	164.342

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	000001A
Injection date:	8/2/2016 9:42:30 PM	Vial:	41
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023-CN14160045	Analyst:	Langan
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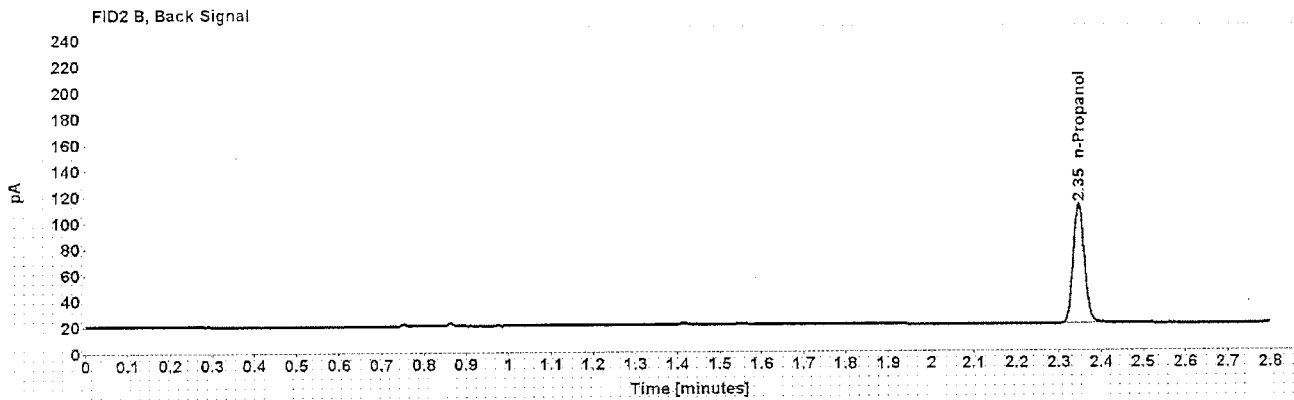
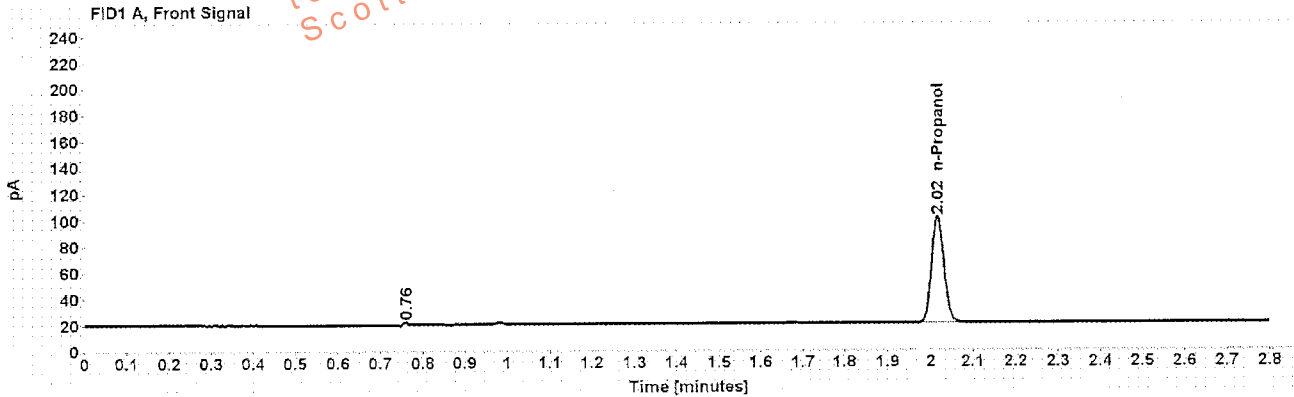


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	166.257

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.346	169.766

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1058349
Injection date:	8/2/2016 9:50:46 PM	Vial:	43
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\43.D		

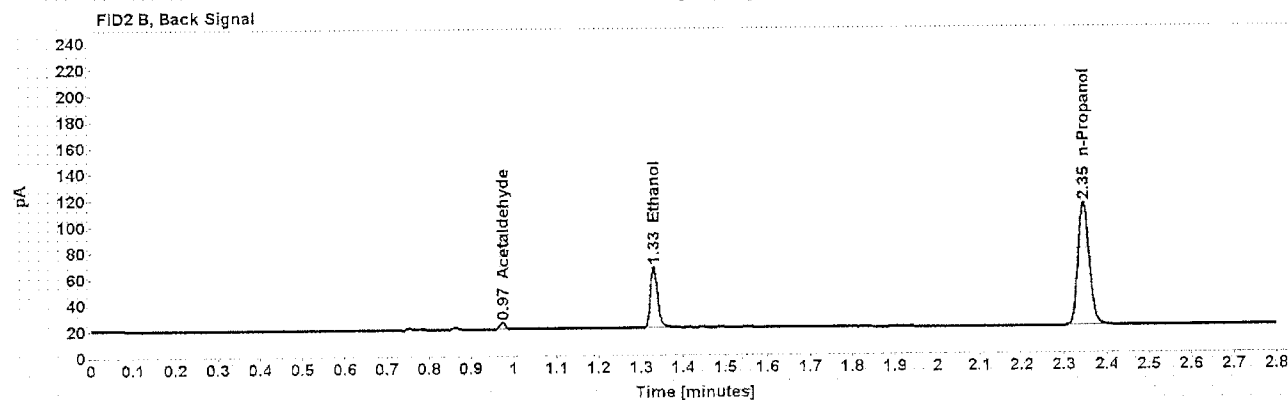
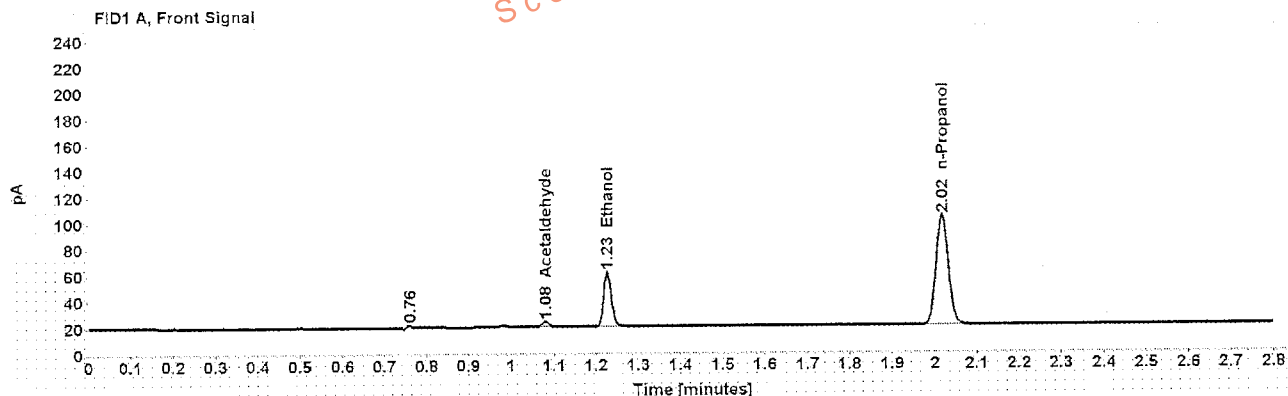


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.480
>Ethanol	0.0903	1.227	53.744
n-Propanol	-----	2.017	171.026

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.622
Ethanol	1.330	54.597
n-Propanol	2.346	174.741

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1058349
Injection date:	8/2/2016 9:54:45 PM	Vial:	44
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\44.D		

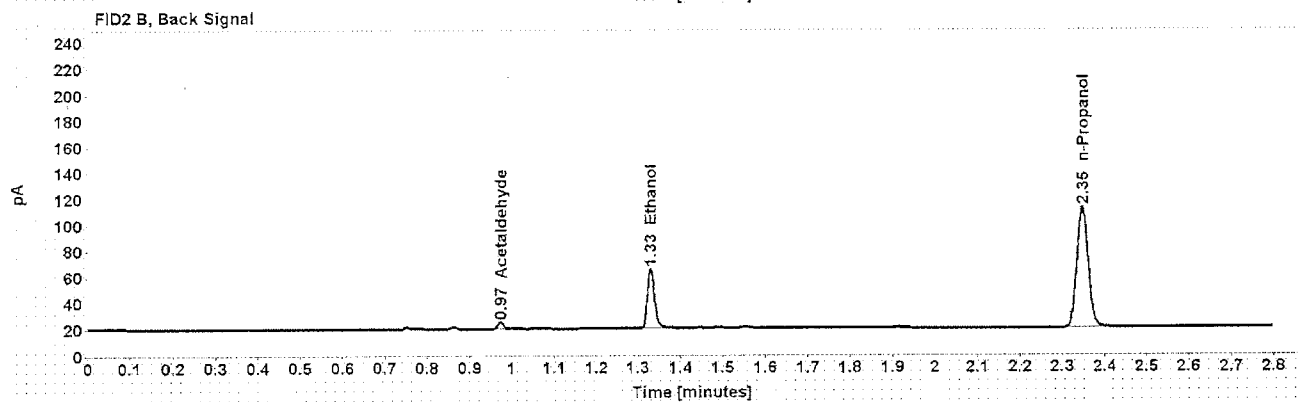
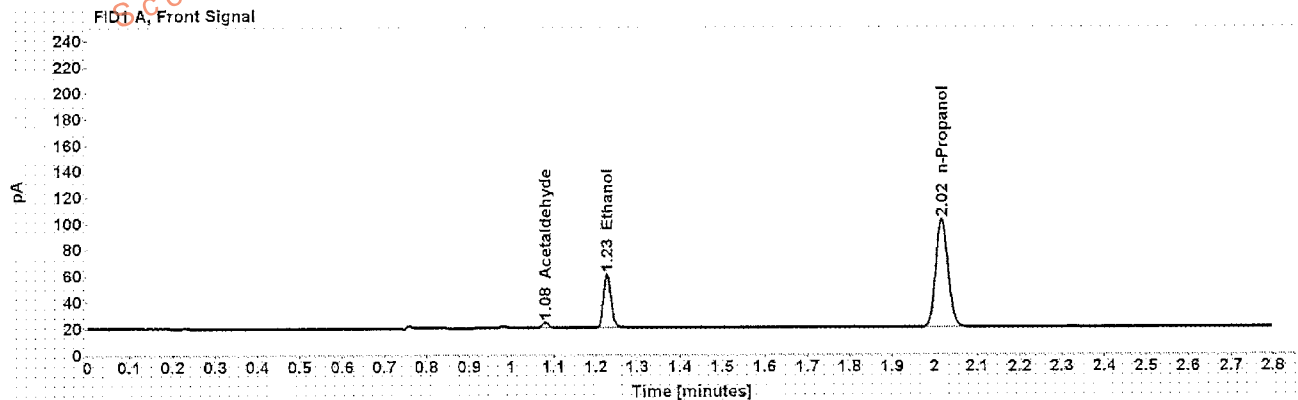


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.525
>Ethanol	0.0899	1.227	52.650
n-Propanol	-----	2.017	168.400

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.638
Ethanol	1.330	53.523
n-Propanol	2.346	171.988

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 1100066
Injection date: 8/2/2016 9:58:45 PM	Vial: 45
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023.CN14160045	Analyst: Langan
Data file: C:\Chem321\1\Data\02Aug16\45.D	

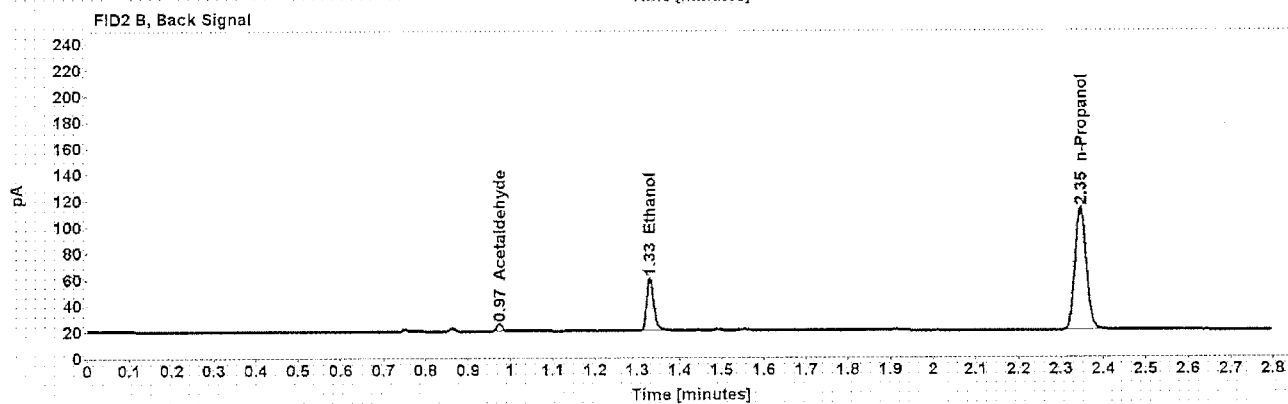
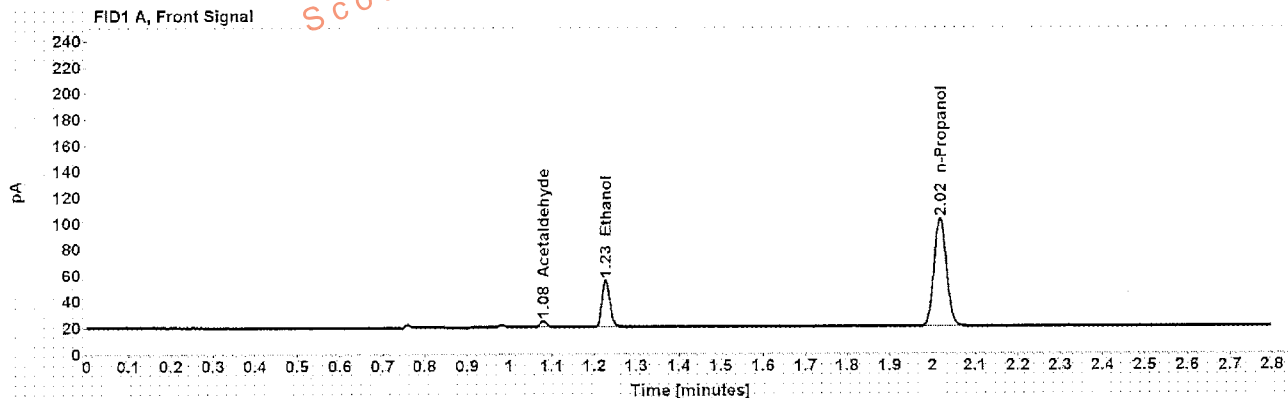


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.977
>Ethanol	0.0786	1.227	46.233
n-Propanol	-----	2.017	169.573

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.179
Ethanol	1.330	47.550
n-Propanol	2.346	173.412

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16- [REDACTED] Item number: 1100066
 Injection date: 8/2/2016 10:02:46 PM Vial: 46
 Method: ethanol quant.M Sequence: 02Aug16
 Instrument: US14173023 CN14160045 Analyst: Langan
 Data file: C:\Chem32\11\Data\02Aug16\46.D

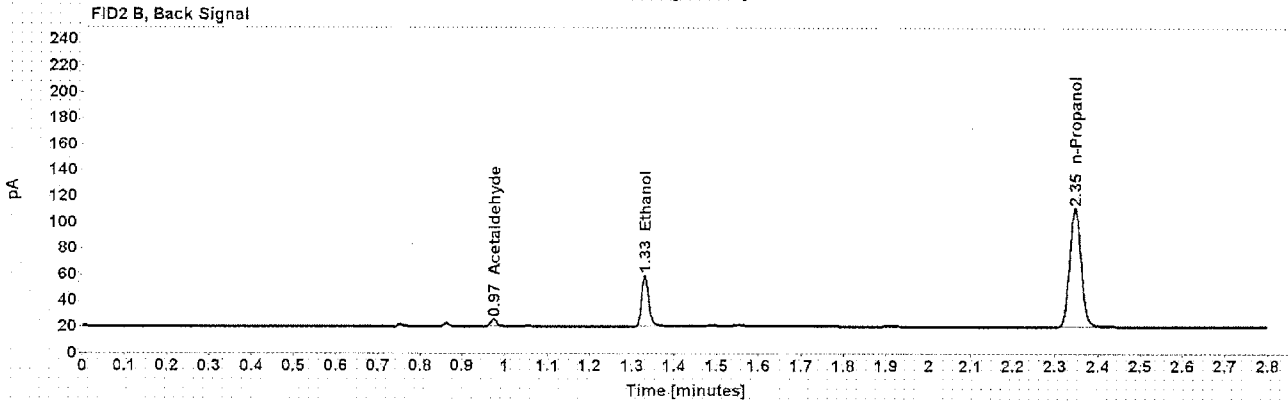
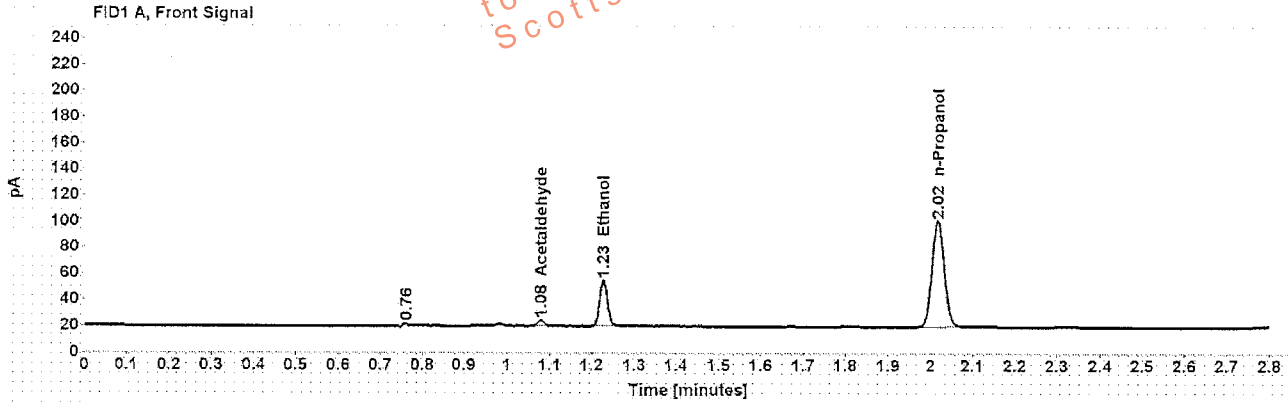


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.940
>Ethanol	0.0785	1.227	45.272
n-Propanol	-----	2.017	166.076

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.114
Ethanol	1.330	46.577
n-Propanol	2.346	169.743

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 1095323
Injection date: 8/2/2016 10:06:45 PM	Vial: 47
Method: ethanol quant M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\02Aug16\47.D	

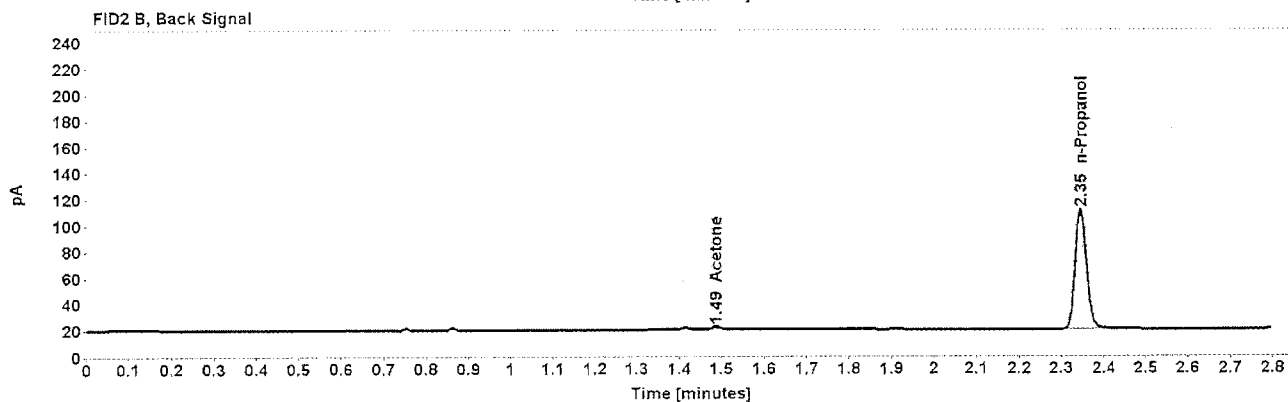
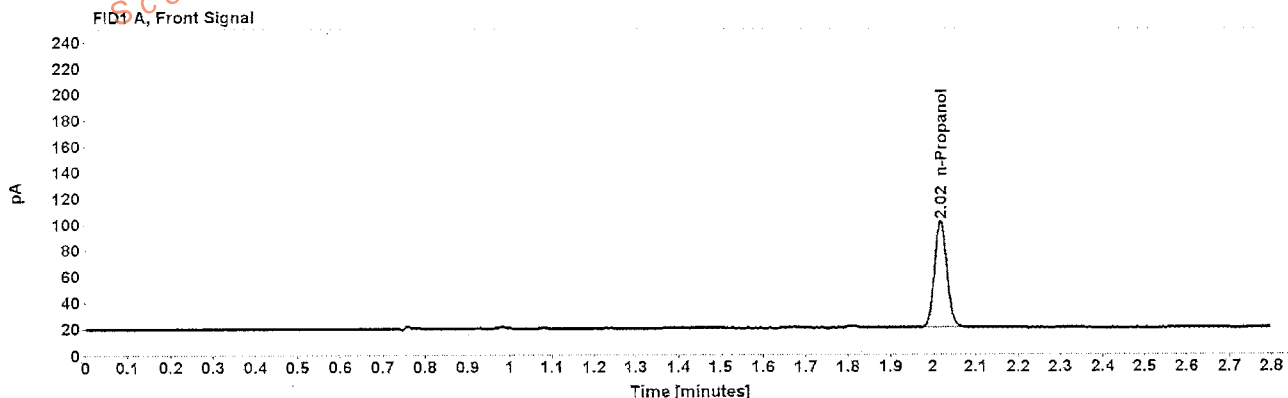


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	167.535

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetone	1.487	2.936
n-Propanol	2.346	170.724

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1095323
Injection date:	8/2/2016 10:10:45 PM	Vial:	48
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem321\1Data\02Aug16\48.D		

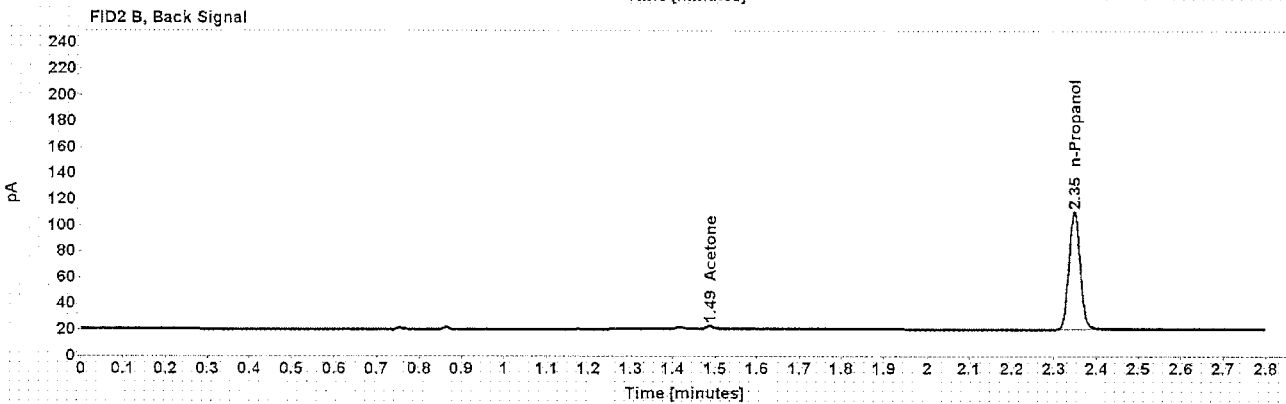
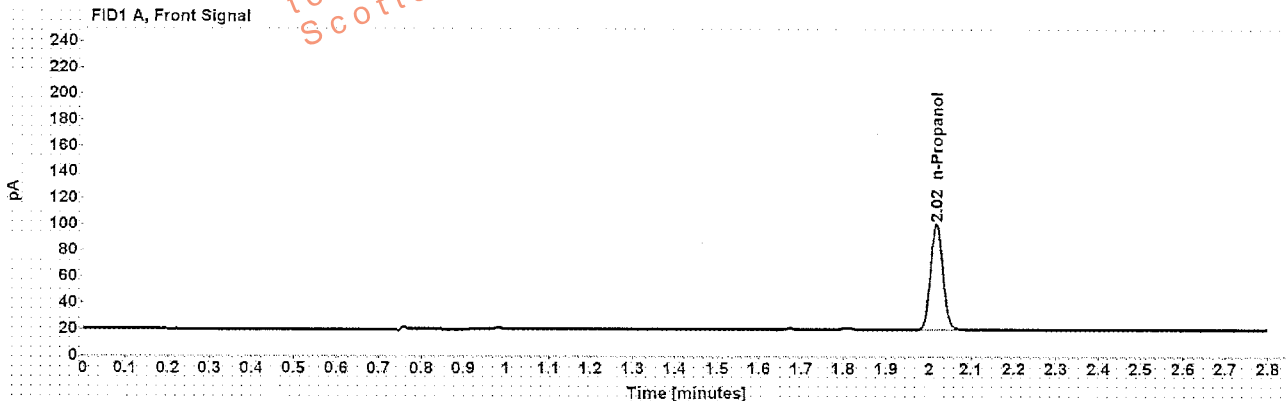


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	165.602

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetone	1.488	2.899
n-Propanol	2.346	168.507

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16- XXXXXXXXXX	Item number:	169-01A
Injection date:	8/2/2016 10:15:00 PM	Vial:	49
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\49.D		

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Scottsdale City Prosecutor

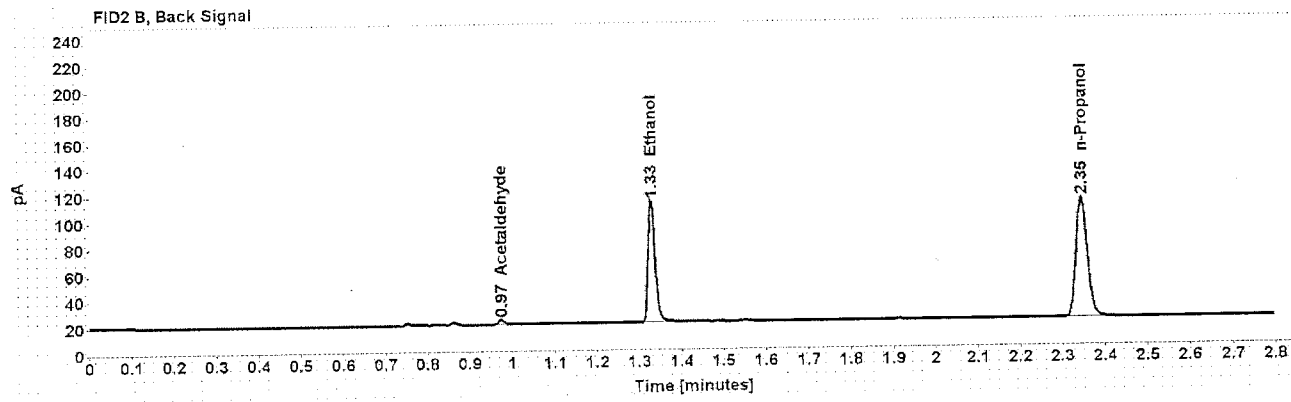
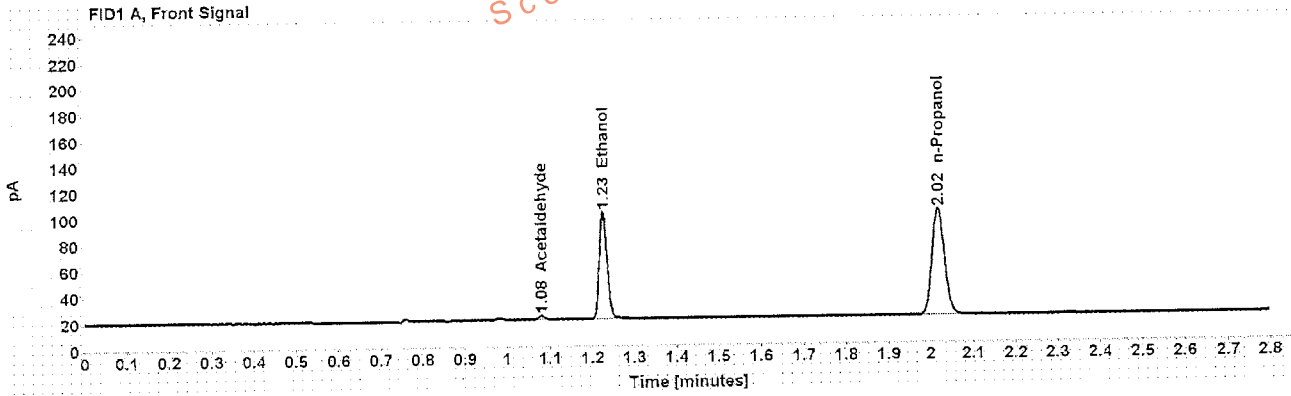


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.060
>Ethanol	0.1818	1.227	105.955
n-Propanol	-----	2.017	166.096

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.197
Ethanol	1.329	107.887
n-Propanol	2.347	169.764

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16- [REDACTED]	Item number:	169-01A
Injection date:	8/2/2016 10:19:00 PM	Vial:	50
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\02Aug16\50.D		

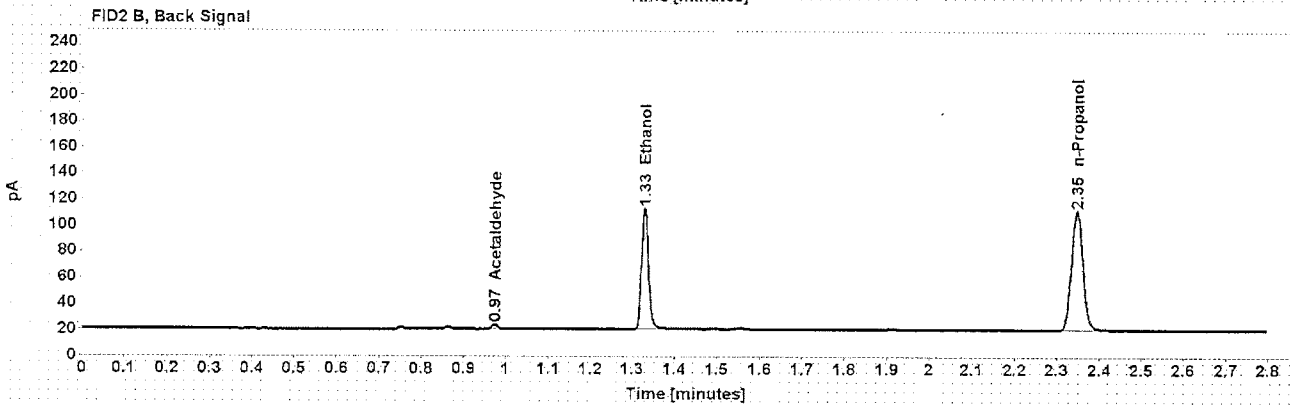
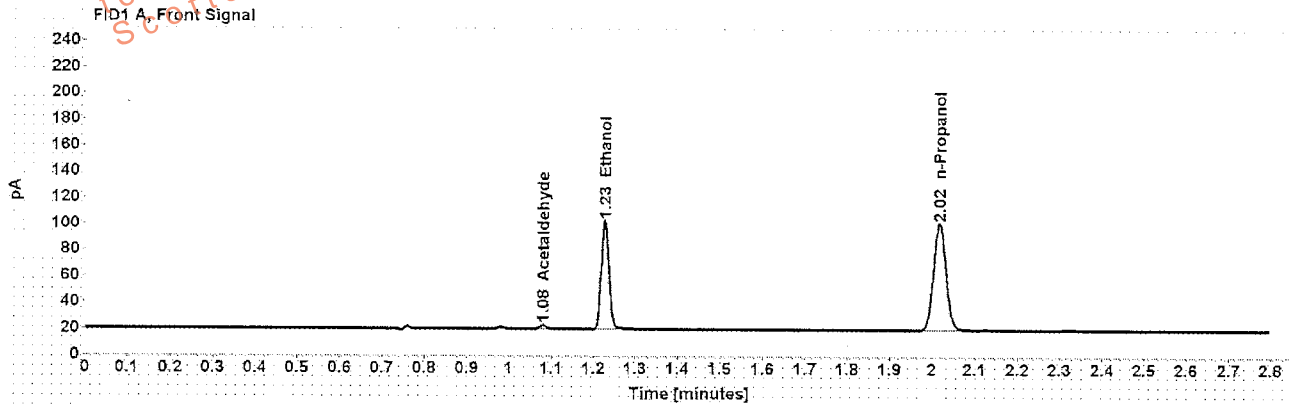


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.057
>Ethanol	0.1816	1.227	106.085
n-Propanol	-----	2.017	166.529

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.228
Ethanol	1.329	108.165
n-Propanol	2.346	170.181

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16-██████████	Item number:	315-01A
Injection date:	8/2/2016 10:23:00 PM	Vial:	51
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1>Data\02Aug16\51.D		

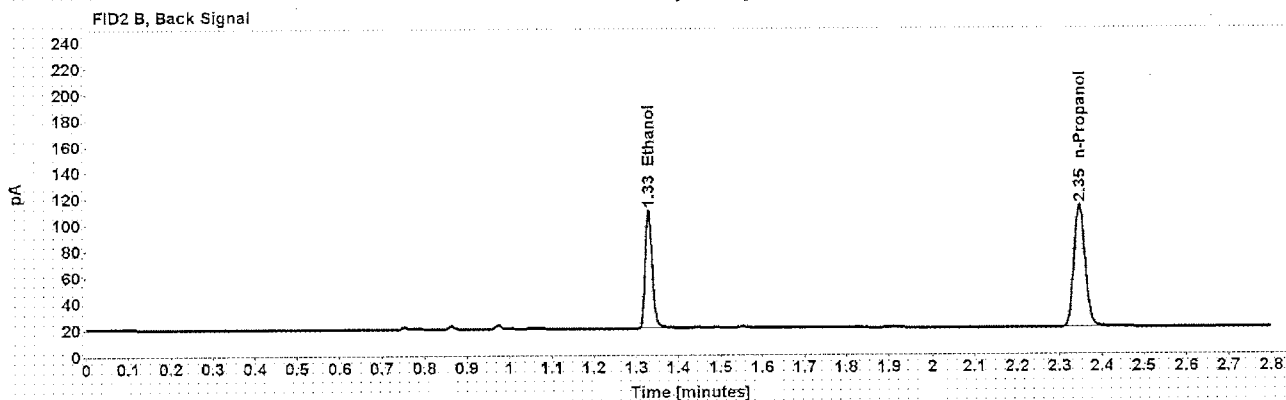
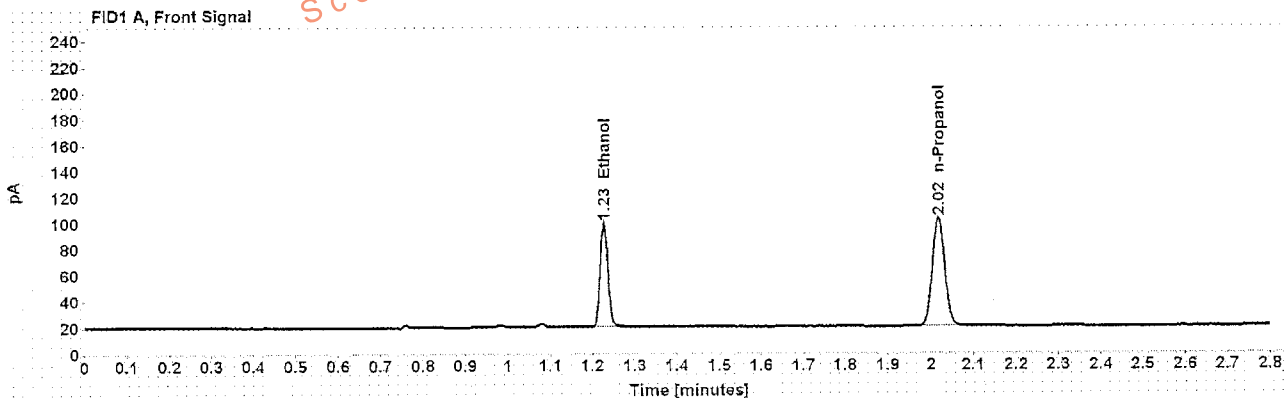


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1736	1.227	103.111
n-Propanol	-----	2.017	169.318

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.329	104.967
n-Propanol	2.346	172.721

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	315-01A
Injection date:	8/2/2016 10:27:00 PM	Vial:	52
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\52.D		

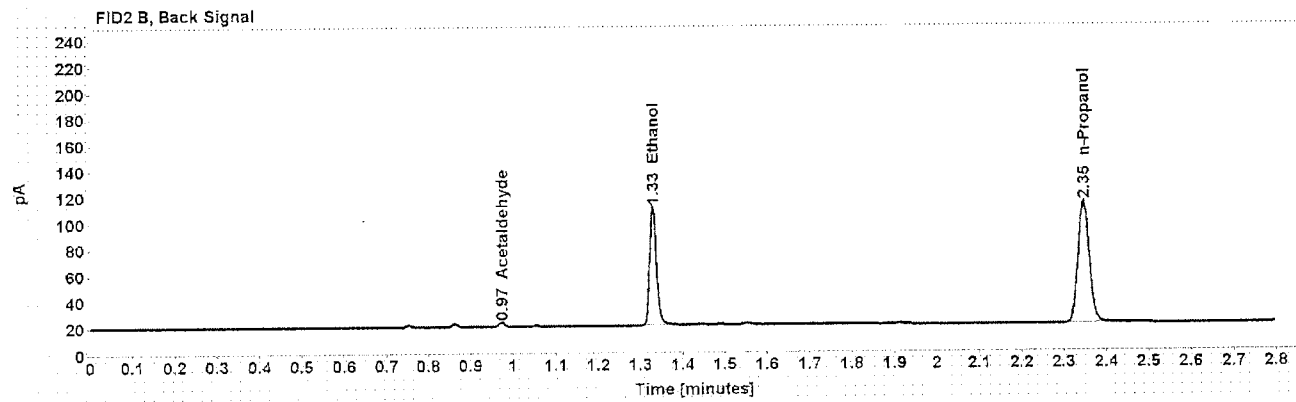
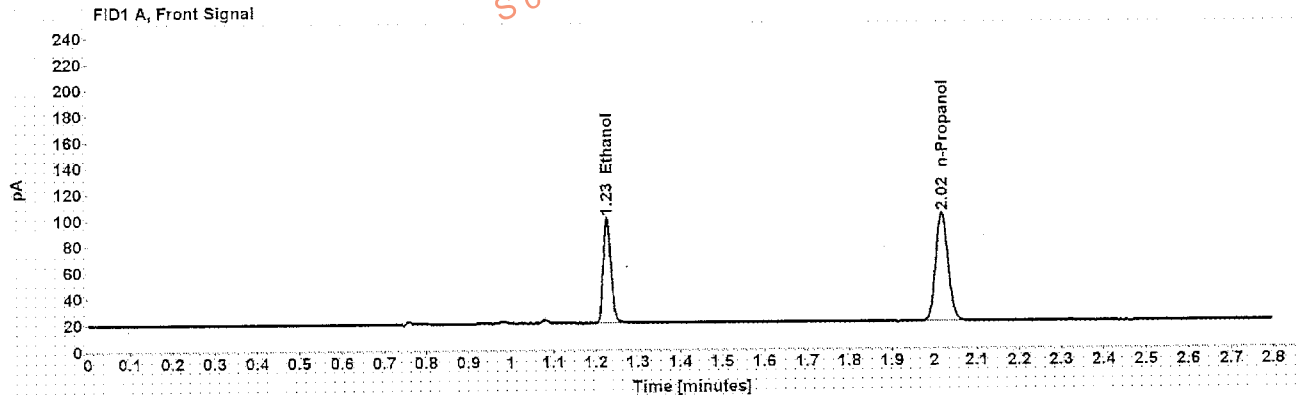


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1738	1.227	103.199
n-Propanol	-----	2.017	169.312

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.837
Ethanol	1.329	105.217
n-Propanol	2.346	173.274

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1063813
Injection date:	8/2/2016 10:34:59 PM	Vial:	54
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
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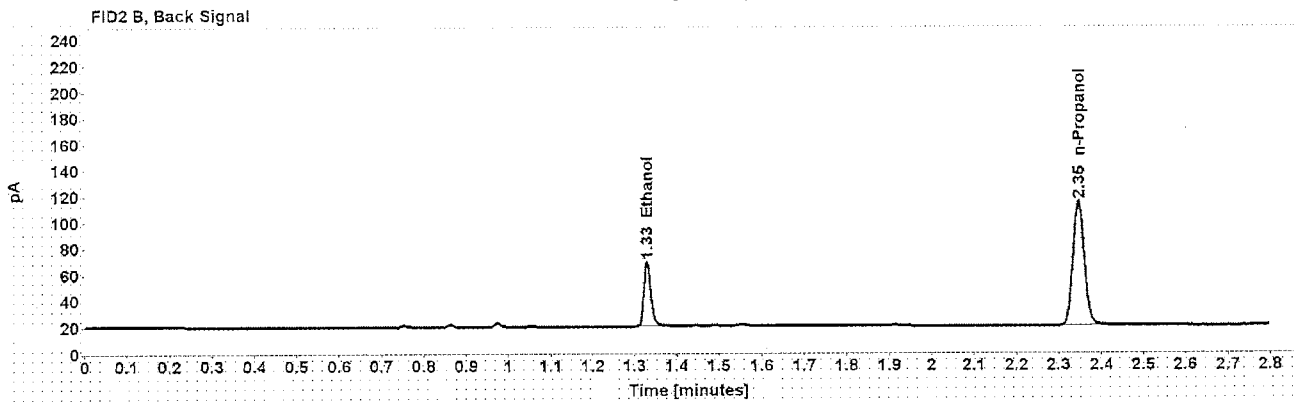
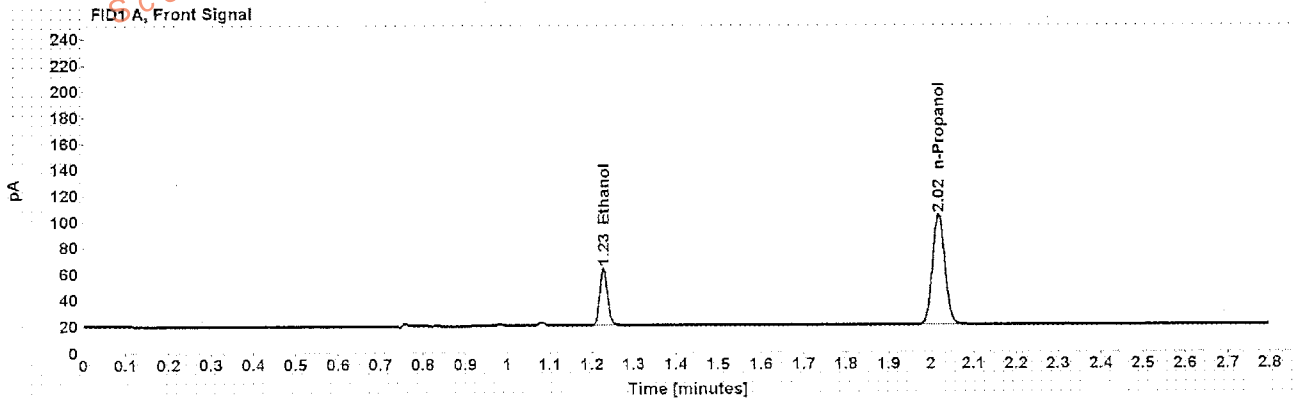


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0940	1.227	56.528
n-Propanol	-----	2.017	172.777

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.330	58.055
n-Propanol	2.346	176.484

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16- [REDACTED]	Item number:	1063813
Injection date:	8/2/2016 10:39:16 PM	Vial:	55
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\02Aug16\55.D		

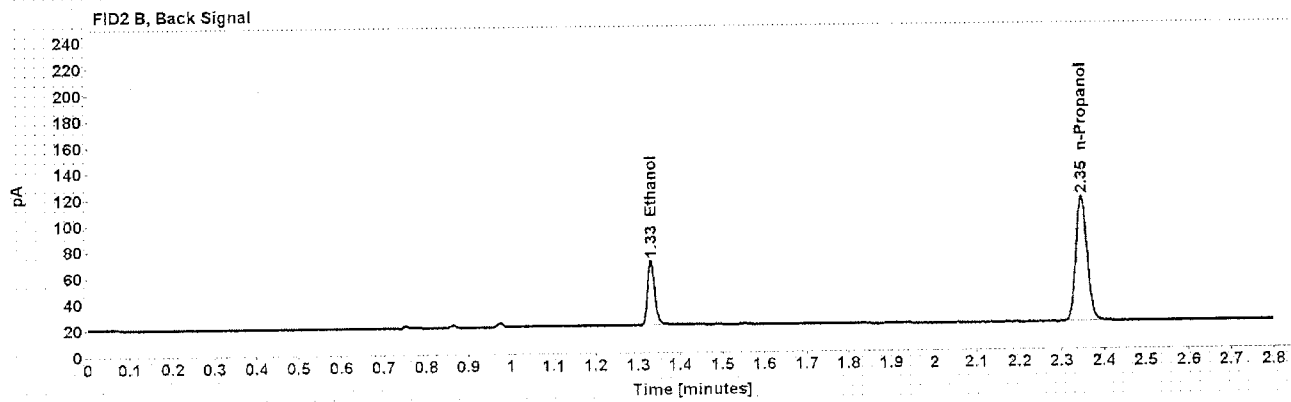
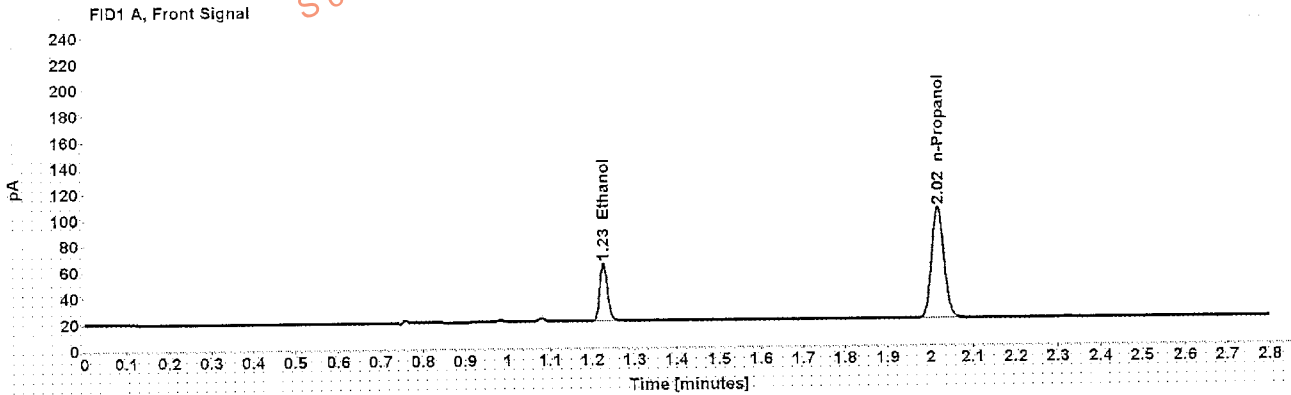


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0943	1.227	57.144
n-Propanol	-----	2.017	174.090

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.330	58.140
n-Propanol	2.346	177.867

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16- [REDACTED]	Item number:	1099958
Injection date:	8/2/2016 10:43:14 PM	Vial:	56
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\56.D		

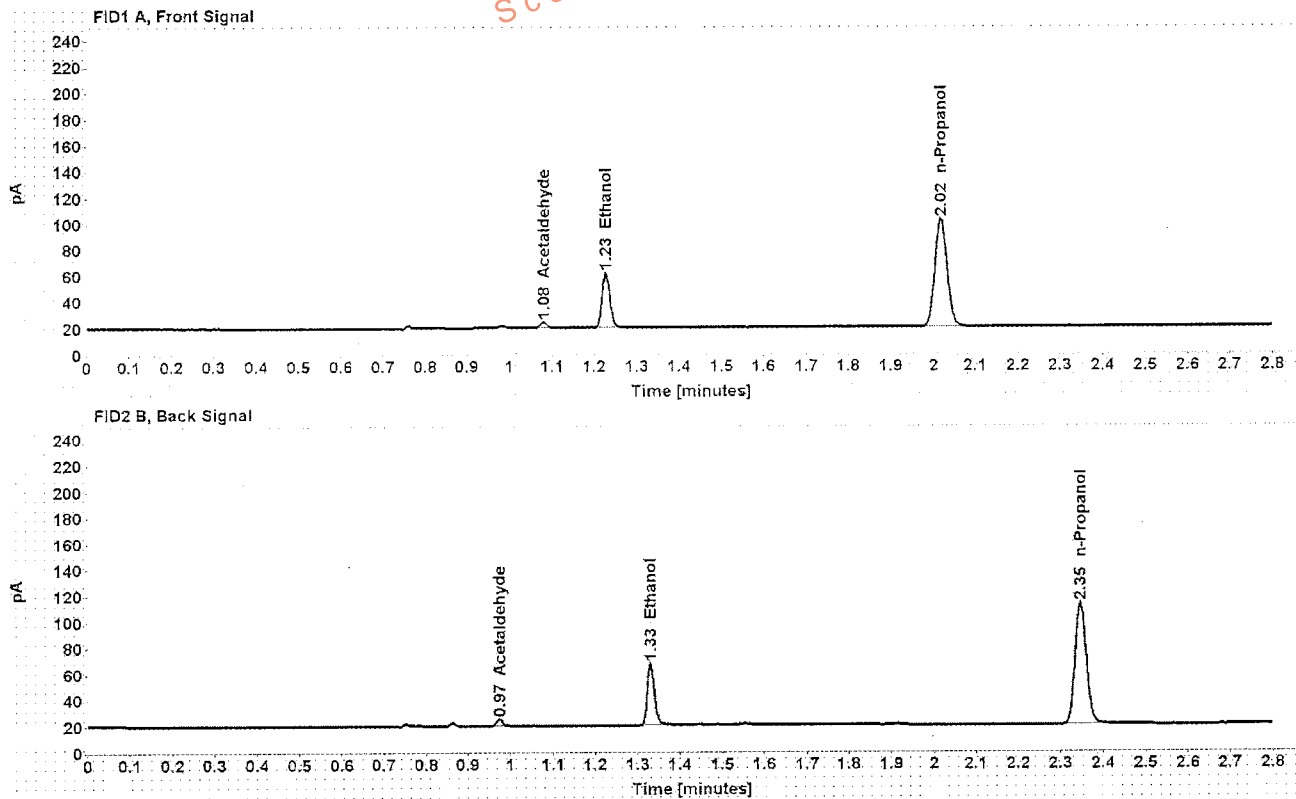


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.604
>Ethanol	0.0922	1.227	54.666
n-Propanol	-----	2.018	170.279

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.818
Ethanol	1.330	55.328
n-Propanol	2.347	172.668

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED] Item number: 1099958
 Injection date: 8/2/2016 10:47:15 PM Vial: 57
 Method: ethanol quant M Sequence: 02Aug16
 Instrument: US14173023 CN14160045 Analyst: Langan
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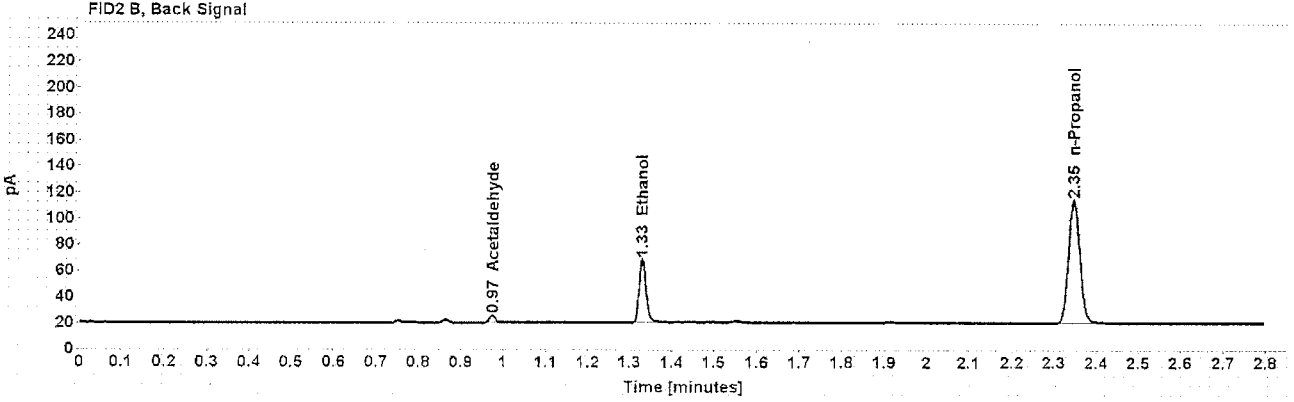
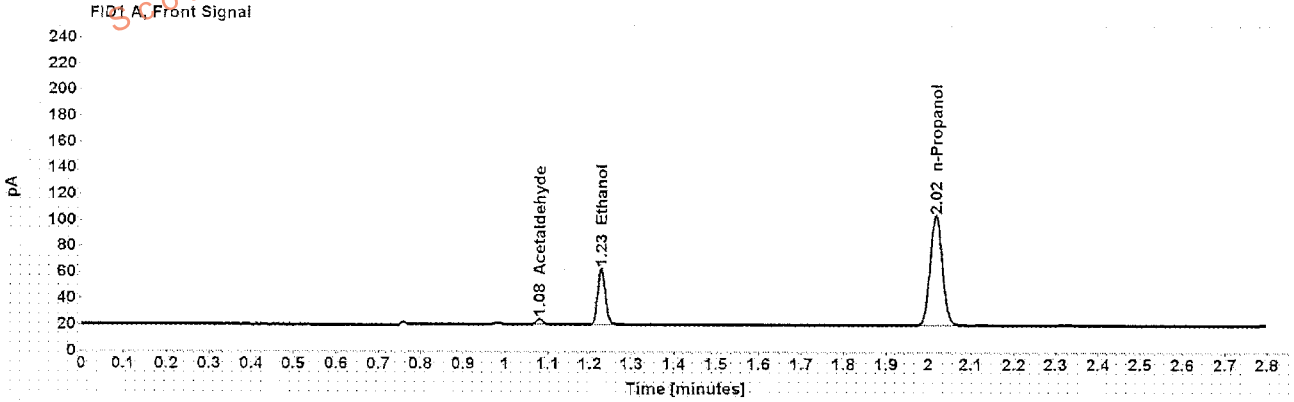


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.785
>Ethanol	0.0927	1.227	55.392
n-Propanol	-----	2.018	171.620

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.926
Ethanol	1.330	56.788
n-Propanol	2.347	175.093

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16- [REDACTED]	Item number: 000001A
Injection date: 8/2/2016 10:51:14 PM	Vial: 58
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
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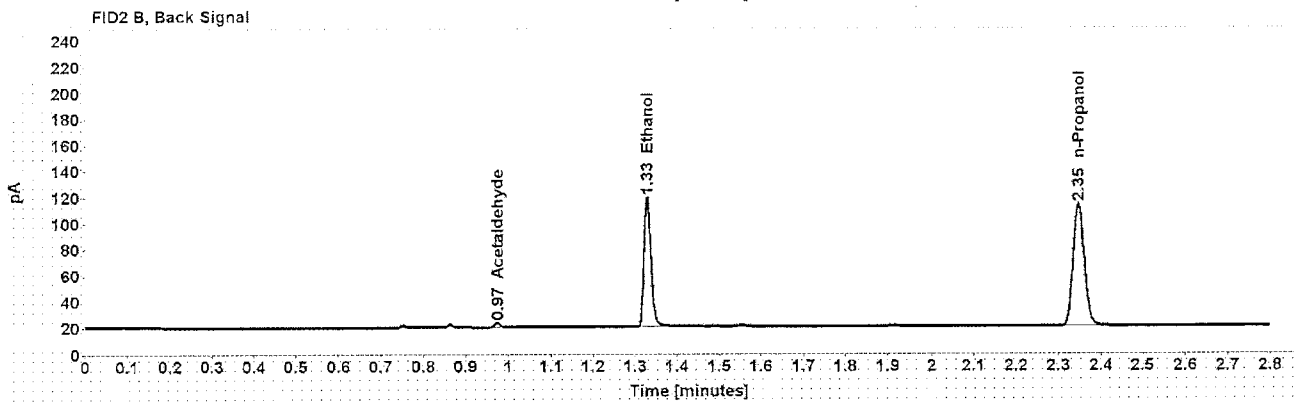
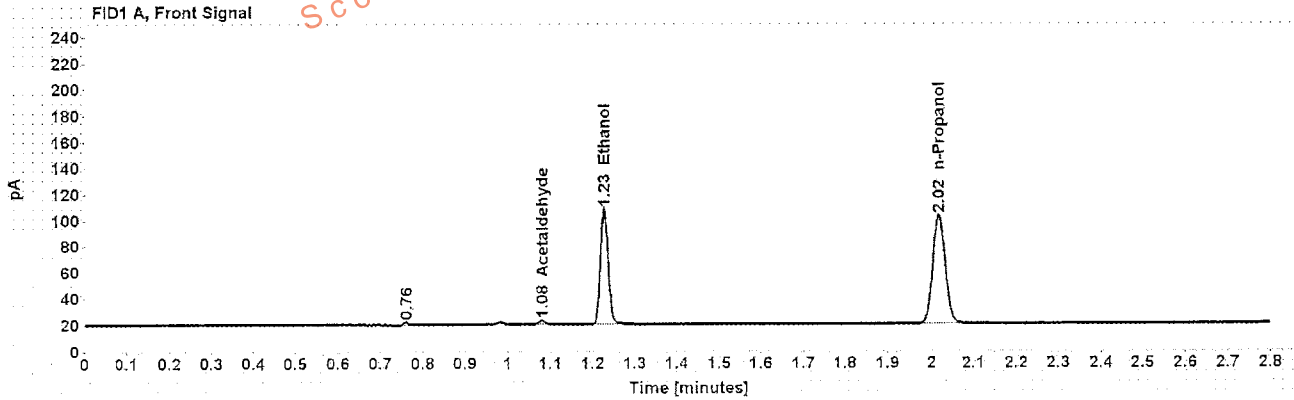


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.017
>Ethanol	0.1909	1.227	113.706
n-Propanol	-----	2.017	169.742

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.157
Ethanol	1.329	116.638
n-Propanol	2.347	173.553

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	000001A
Injection date:	8/2/2016 10:55:14 PM	Vial:	59
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\59.D		

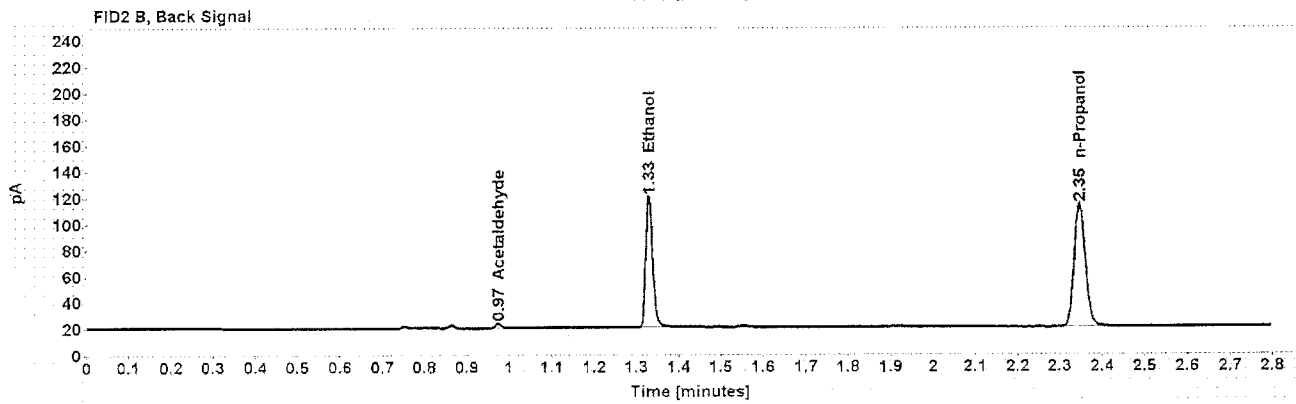
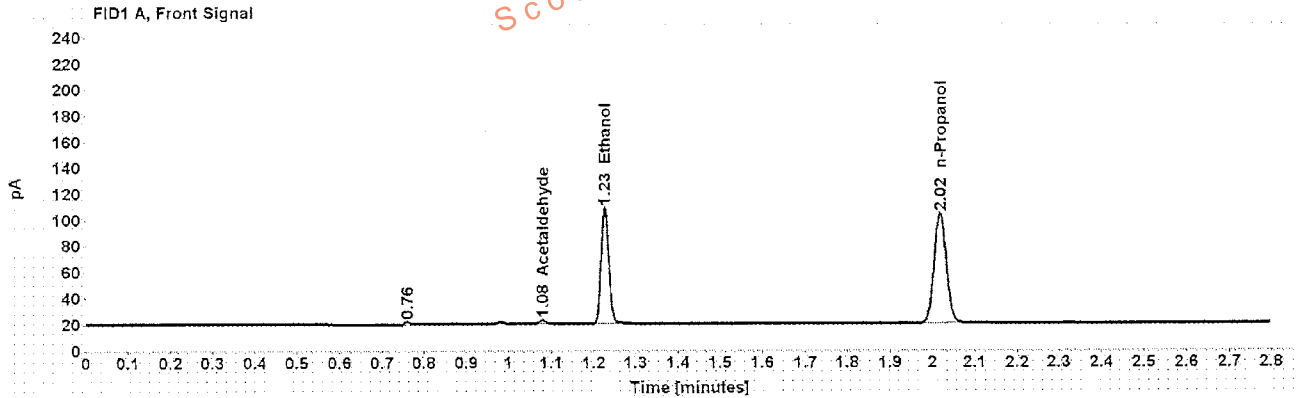


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.050
>Ethanol	0.1903	1.227	114.755
n-Propanol	-----	2.017	171.789

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.169
Ethanol	1.329	116.835
n-Propanol	2.346	175.155

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16	Item number: 000001A
Injection date: 8/2/2016 10:59:15 PM	Vial: 60
Method: ethanol quant M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11Data\02Aug16\60.D	

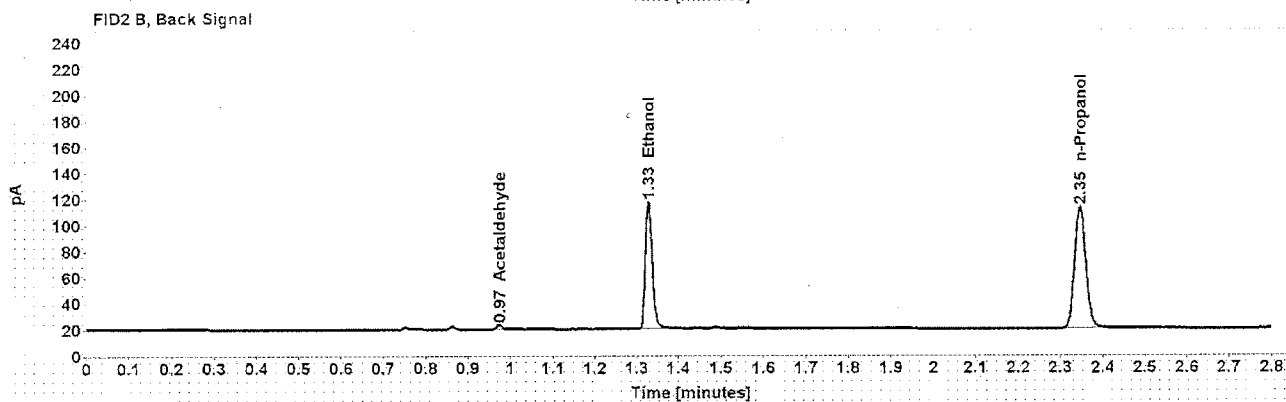
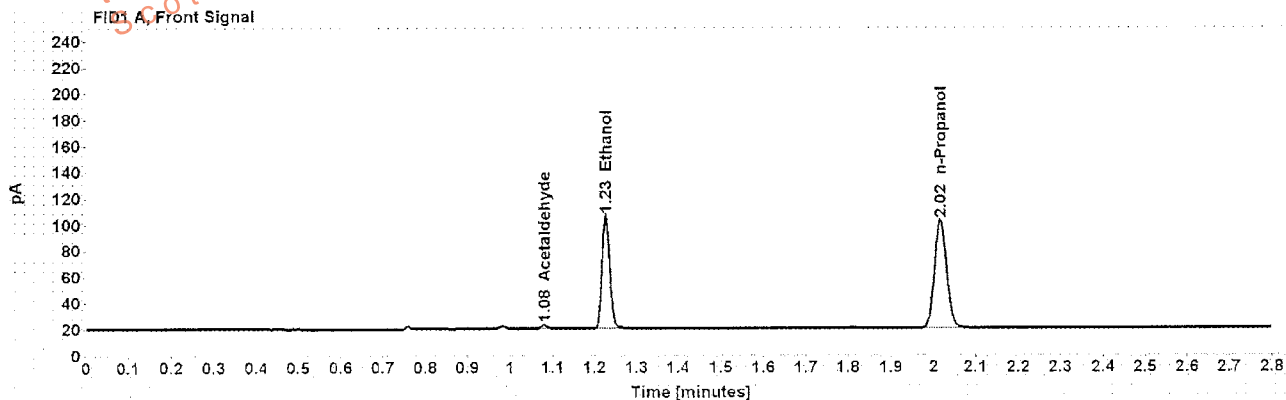


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.958
>Ethanol	0.1879	1.227	111.493
n-Propanol	-----	2.017	169.100

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.085
Ethanol	1.329	113.298
n-Propanol	2.346	172.272

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 000001A
Injection date: 8/2/2016 11:03:29 PM	Vial: 61
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
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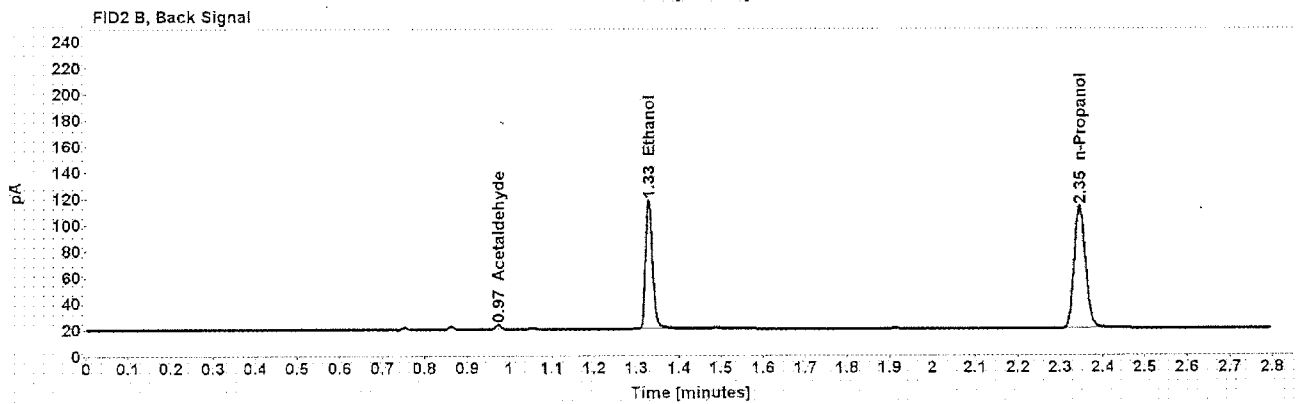
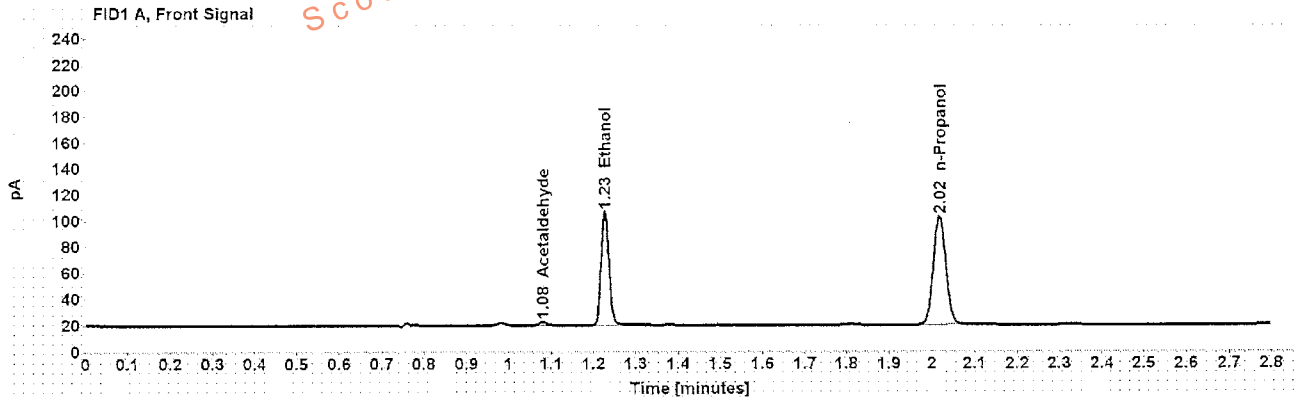


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.864
>Ethanol	0.1879	1.227	111.907
n-Propanol	-----	2.017	169.688

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.046
Ethanol	1.329	113.969
n-Propanol	2.346	172.844

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: L16 [REDACTED]	Item number: 1076210
Injection date: 8/2/2016 11:07:30 PM	Vial: 62
Method: ethanol quant.M	Sequence: 02Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\02Aug16\62.D	

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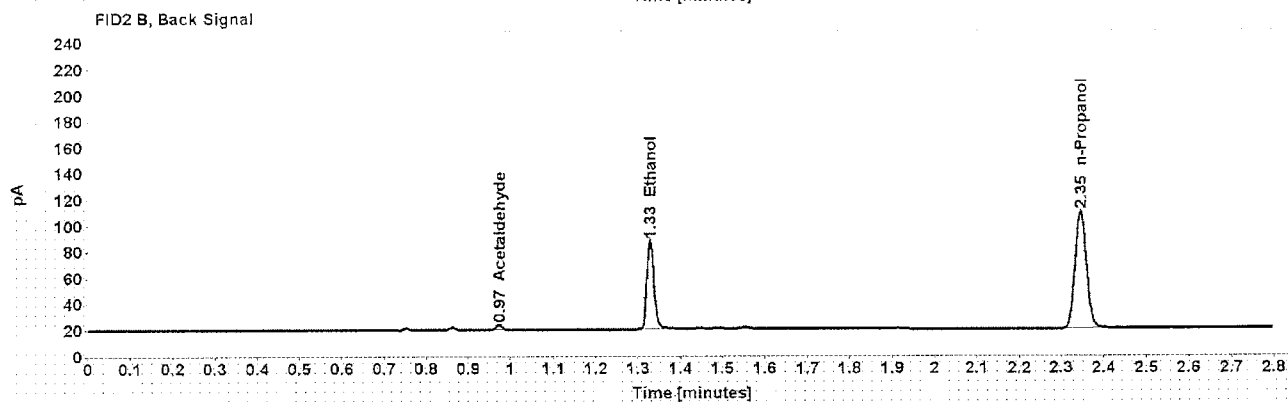
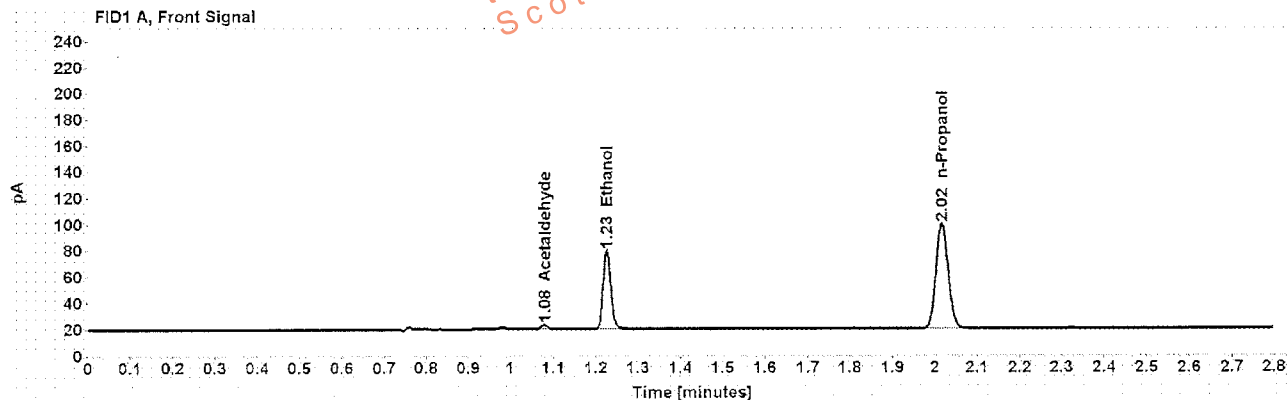


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.574
>Ethanol	0.1347	1.226	77.368
n-Propanol	-----	2.016	164.185

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.688
Ethanol	1.328	78.833
n-Propanol	2.345	167.734

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1076210
Injection date:	8/2/2016 11:11:29 PM	Vial:	63
Method:	ethanol quant M	Sequence:	02Aug16
Instrument:	US14173023 CN14160046	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\63.D		

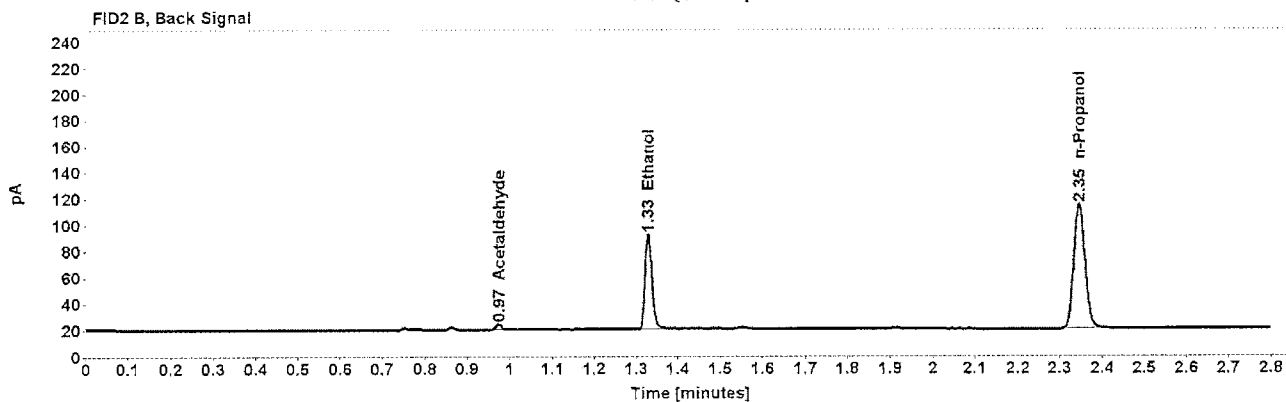
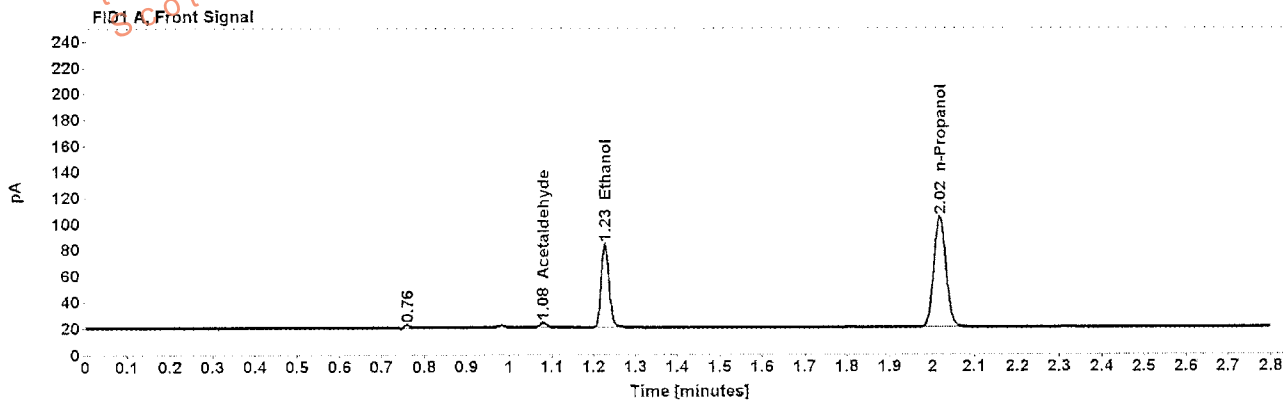


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.698
>Ethanol	0.1363	1.227	82.692
n-Propanol	-----	2.017	173.413

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.827
Ethanol	1.329	84.195
n-Propanol	2.346	176.452

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16- [REDACTED]	Item number:	1066929
Injection date:	8/2/2016 11:19:31 PM	Vial:	65
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\65.D		

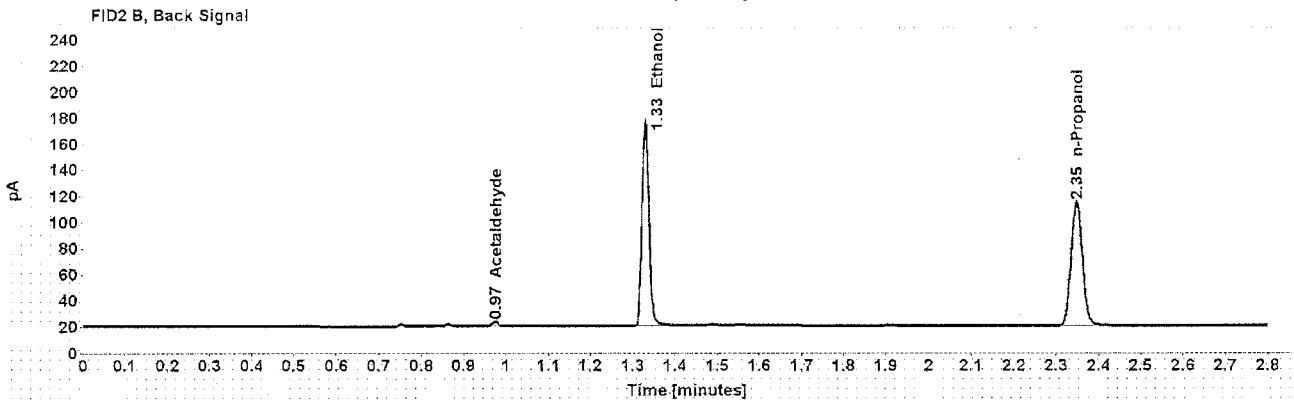
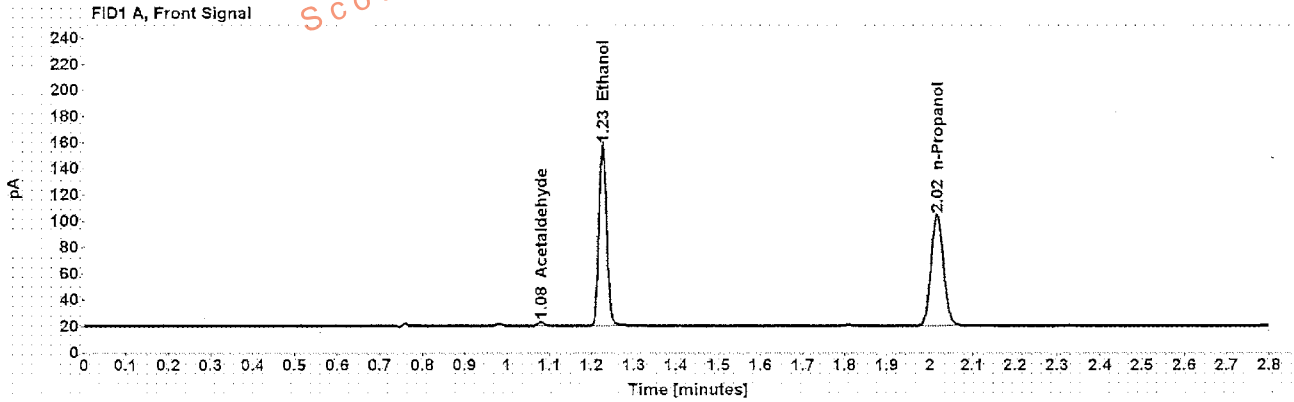


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.177
>Ethanol	0.2925	1.226	177.560
n-Propanol	-----	2.018	172.510

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.322
Ethanol	1.329	181.917
n-Propanol	2.347	176.104

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	L16 [REDACTED]	Item number:	1066929
Injection date:	8/2/2016 11:23:30 PM	Vial:	66
Method:	ethanol quant.M	Sequence:	02Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\02Aug16\66.D		

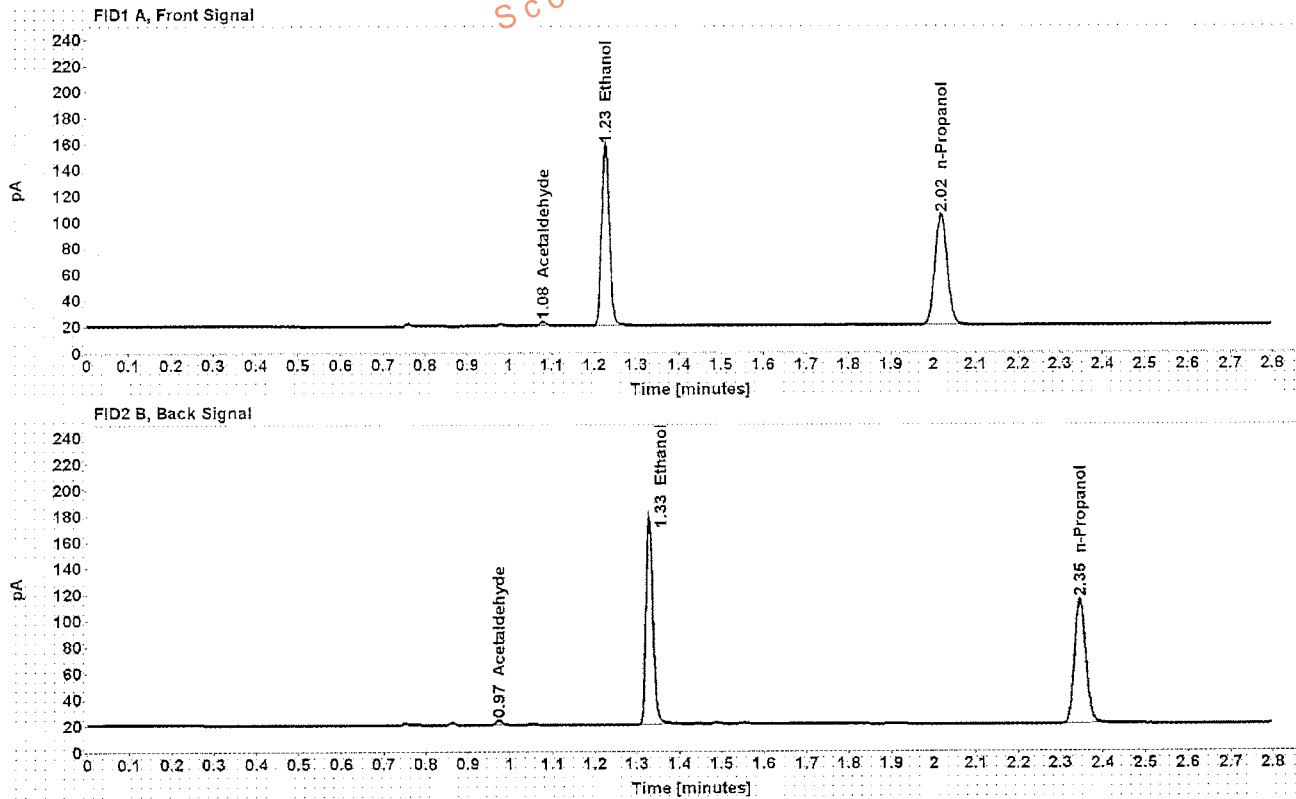


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.303
>Ethanol	0.2923	1.226	178.590
n-Propanol	-----	2.017	173.627

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.448
Ethanol	1.329	183.205
n-Propanol	2.346	176.884