

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 07/27/2016 SEQUENCE NAME 27Jul16

EQUIPMENT

Pipettor Hamilton MD91JC4962 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 0.99999
 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	0.399g/dL	Lipomed 05012012-C
8	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
9	blood control	0.200 g/dL	0.201g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.081g/dL	Lipomed 14112011-A
31	aqueous control	0.150 g/dL	0.151g/dL	Lipomed 11012012-C
42	blood control	0.200 g/dL	0.203g/dL	ACQ 402101060/6
53	aqueous control	0.400 g/dL	0.400g/dL	Lipomed 05012012-C
54	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
55	blood control	0.200 g/dL	0.205 g/dL	ACQ 402101060/6
56	blank	Not detected	Not detected	SPD lab 110215

SUBJECT SAMPLES

Subjects in the sequence 20 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid
 Run invalid

Amy Langan
 Analyst

Run valid
 Run invalid

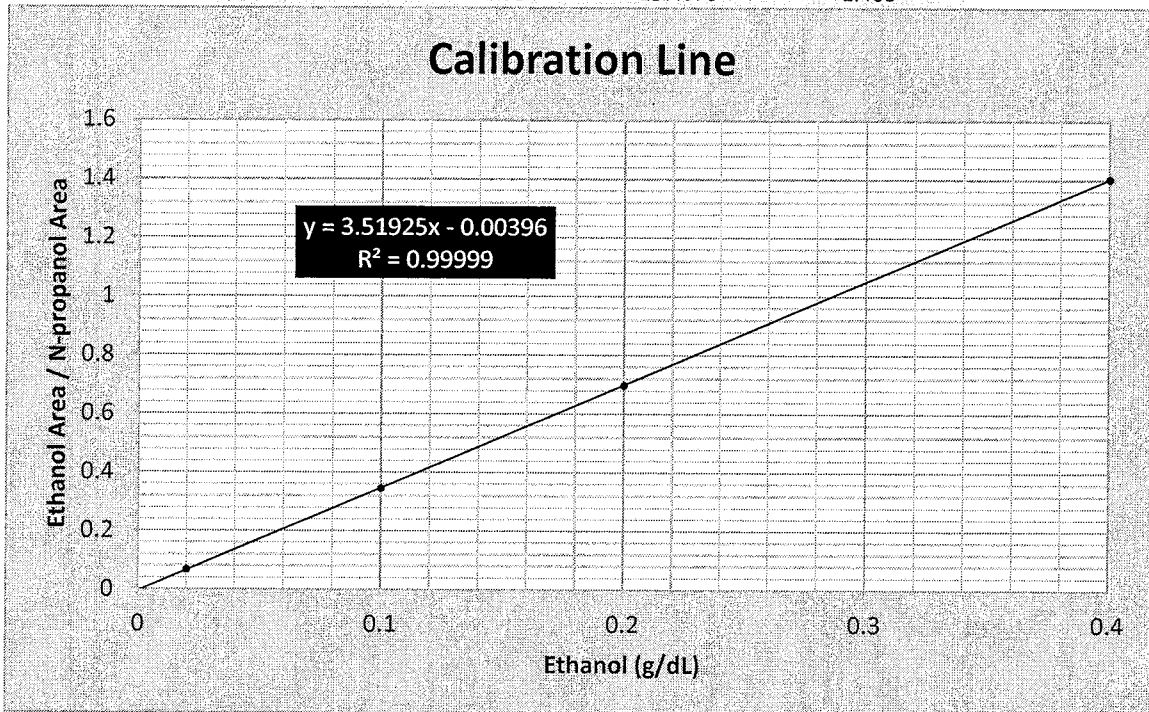
KOBECKI 7/28/16
 Technical Reviewer

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
SEQUENCE QUALITY ASSURANCE SUMMARY

SEQUENCE NAME: 27Jul16

Control	Vial	Expected Value (g/dL)	Measured Value (g/dL)	Percent Difference	Absolute Difference (g/dl)
1	5	negative	negative	-	-
2	7	0.400	0.399	0.25	-0.001
3	8	0.040	0.040	0.00	0.000
4	9	0.200	0.201	0.50	0.001
5	20	0.080	0.081	1.25	0.001
6	31	0.150	0.151	0.67	0.001
7	42	0.200	0.203	1.50	0.003
8	53	0.400	0.400	0.00	0.000
9	54	0.040	0.040	0.00	0.000
10	55	0.200	0.205	2.50	0.005
11	56	negative	negative	-	-

Calibrator	Ethanol	N-propanol	Ratio
	Area	Area	
0.020	10.947	160.124	0.068
0.100	53.905	155.576	0.346
0.200	109.501	156.785	0.698
0.400	221.495	157.676	1.405



Scottsdale Police Department Crime Lab Volatiles Analysis

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 Scottsdale City Prosecutor

Sample: 0.02 Cerilliant FN08101401	Item number:
Injection date: 7/27/2016 2:16:38 PM	Vial: 1
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\1.D	

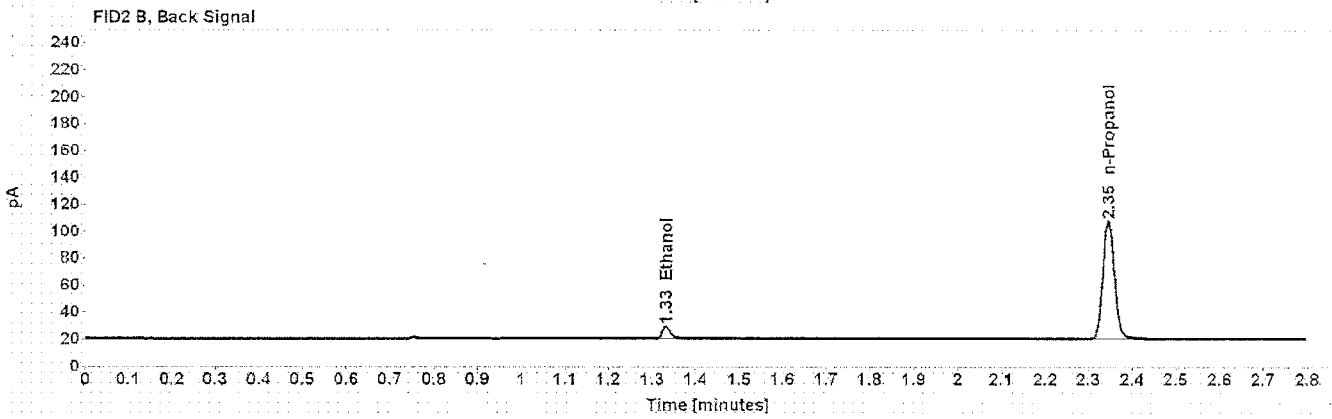
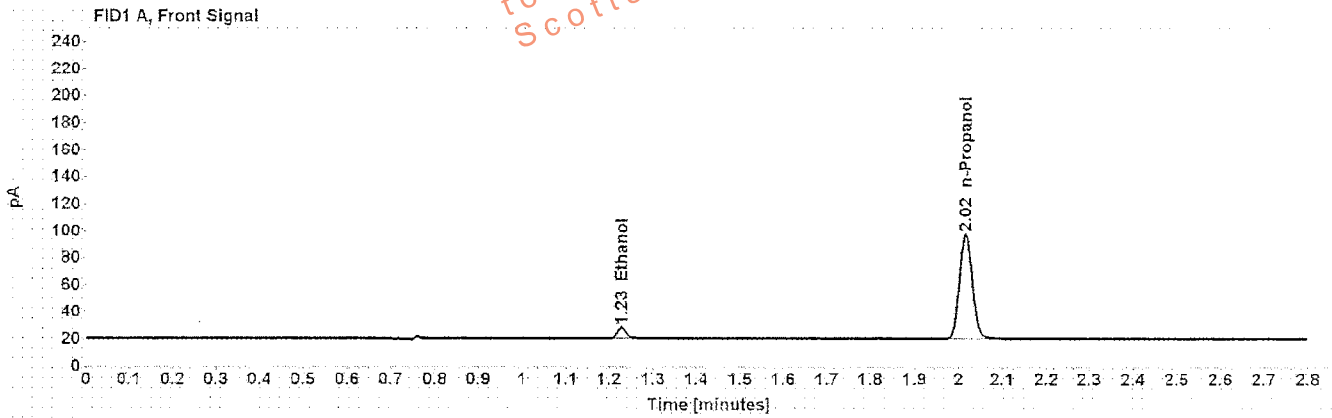


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.228	10.947
n-Propanol	2.017	160.124

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

Compound	Time (min)	Peak Area
Ethanol	1.331	10.983
n-Propanol	2.345	162.997

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.10 Cerilliant FN06181501	Item number:
Injection date: 7/27/2016 2:20:37 PM	Vial: 2
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\27Jul16\2.D	

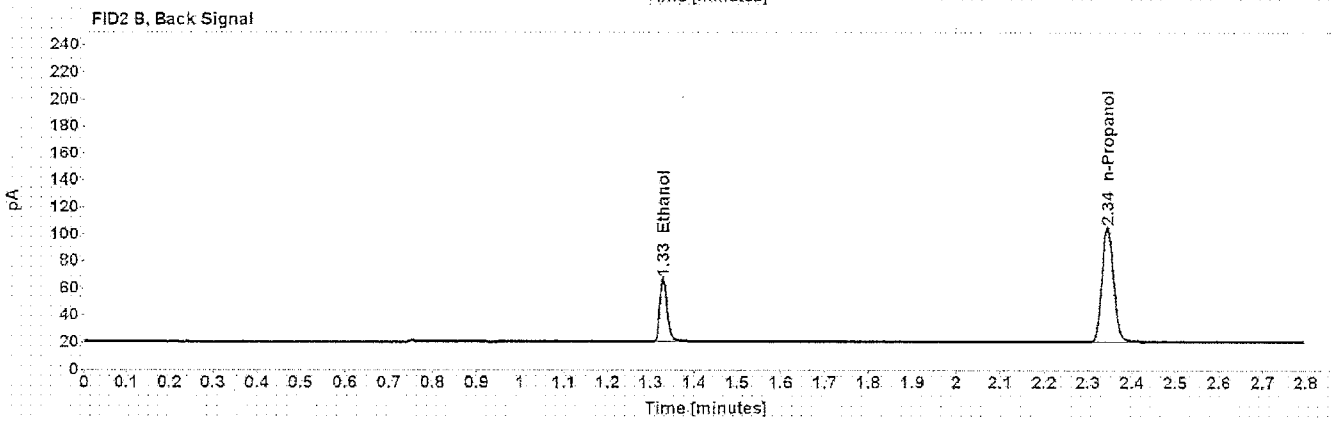
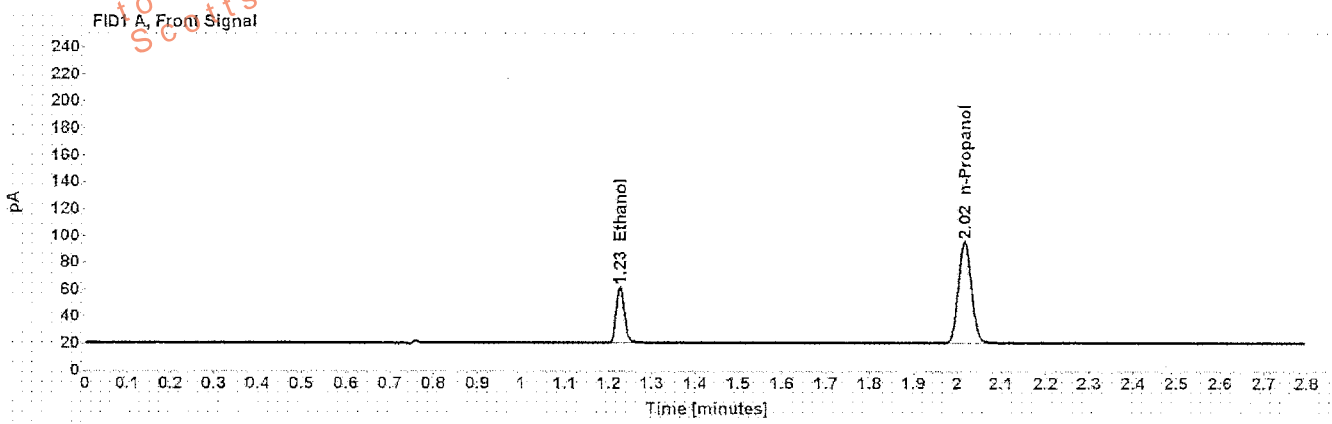


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	53.905
n-Propanol	2.016	155.576

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

Compound	Time (min)	Peak Area
Ethanol	1.328	54.732
n-Propanol	2.345	158.580

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 Cerilliant FN07201502	Item number:
Injection date: 7/27/2016 2:24:38 PM	Vial: 3
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\11\Data\27Jul16\3.D	

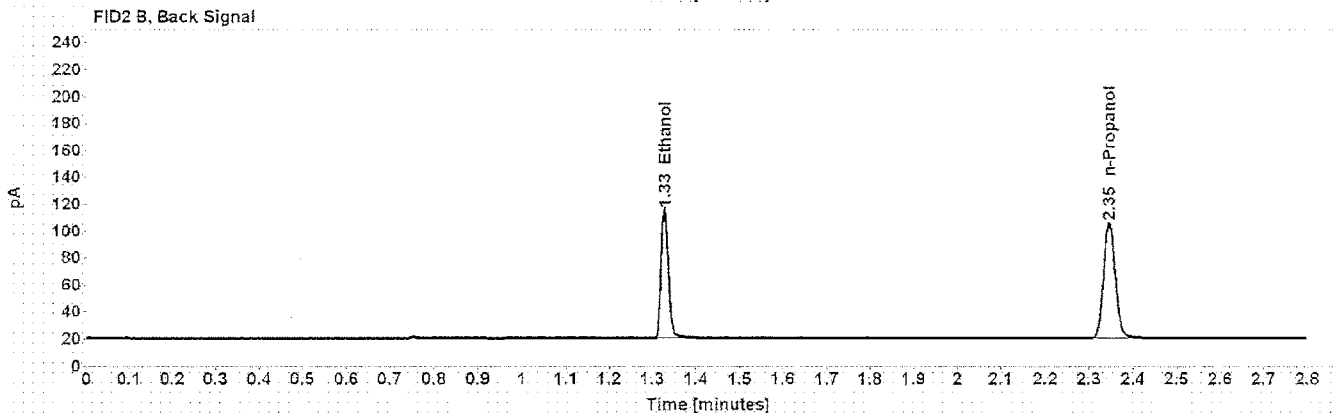
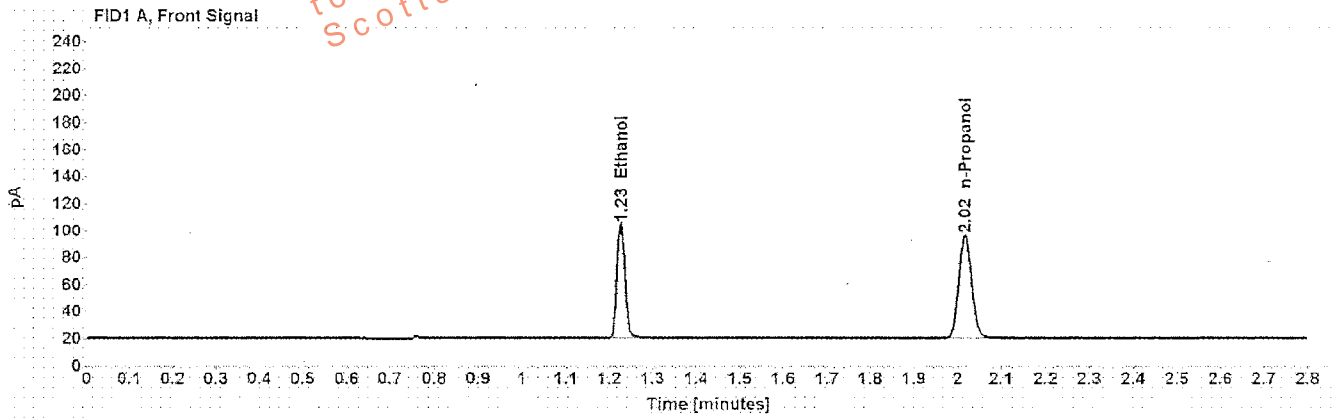


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	109.501
n-Propanol	2.017	156.785

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

Compound	Time (min)	Peak Area
Ethanol	1.328	111.295
n-Propanol	2.346	159.762

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Sample: 0.40 Cerilliant FN11191402	Item number:
Injection date: 7/27/2016 2:28:38 PM	Vial: 4
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\4.D	

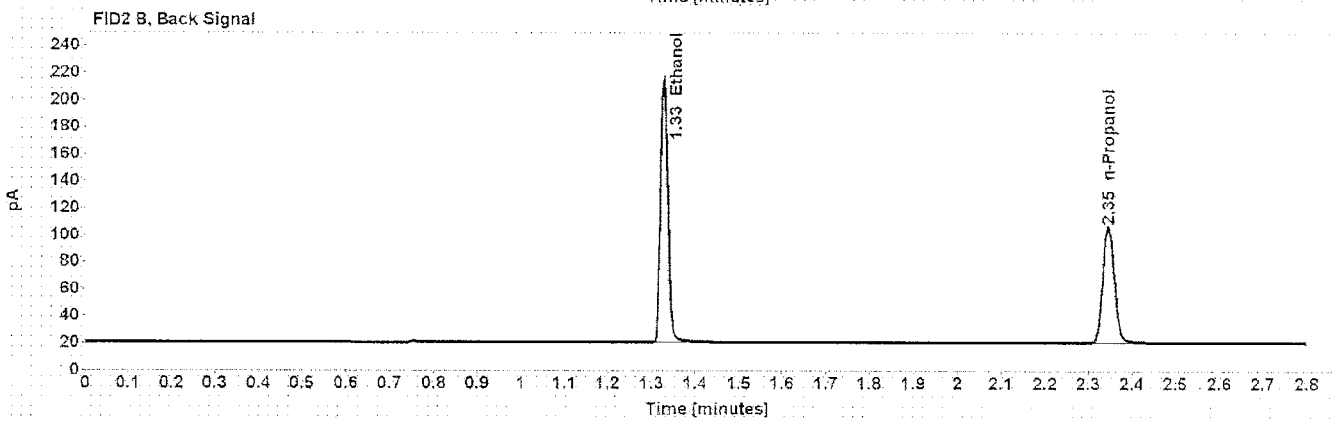
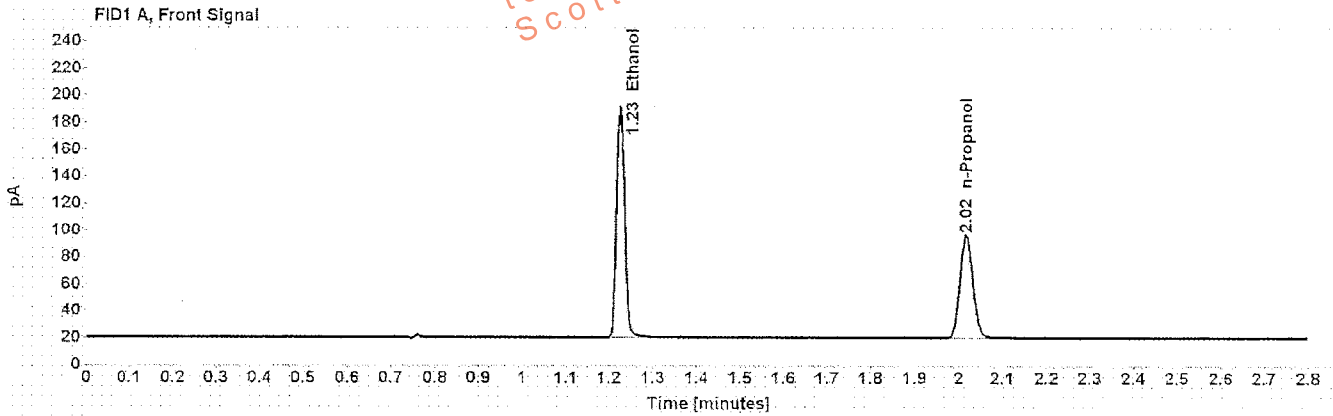


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	221.495
n-Propanol	2.017	157.676

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

Compound	Time (min)	Peak Area
Ethanol	1.328	226.443
n-Propanol	2.346	160.666

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 7/27/2016 2:32:38 PM	Vial: 5
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\27Jul16\5.D	

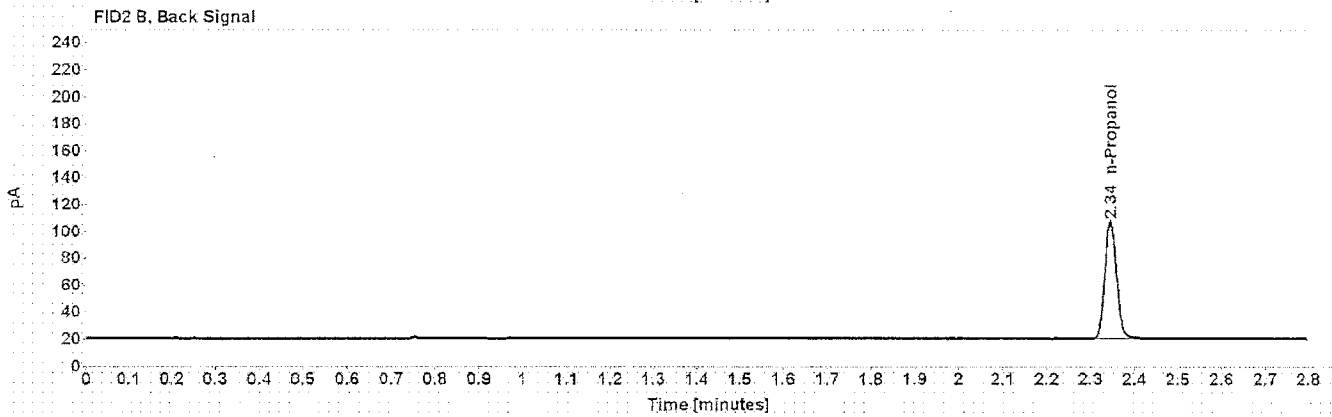
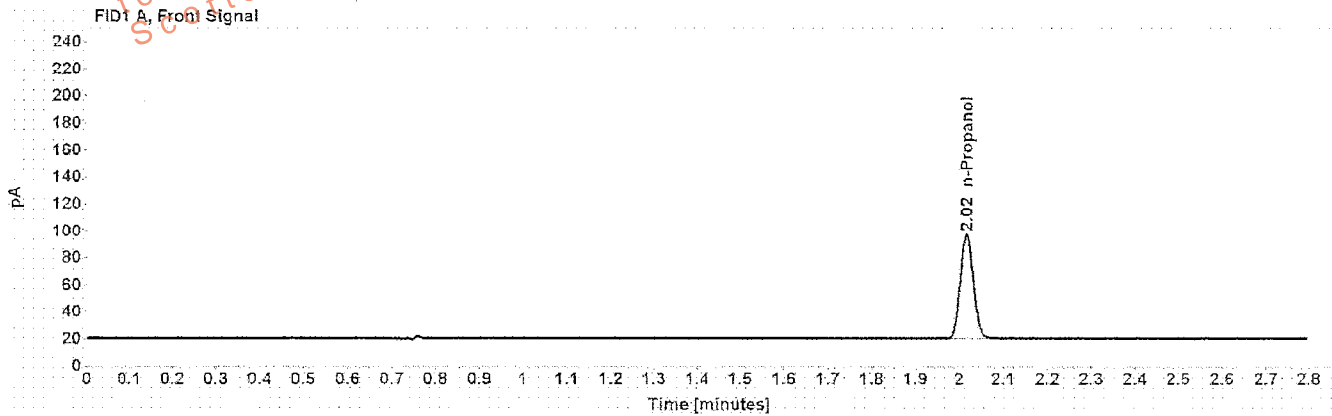


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	160.270

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	162.952

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 030916 ASL	Item number:
Injection date: 7/27/2016 2:36:38 PM	Vial: 6
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023-CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\11\Data\27Jul16\6.D	

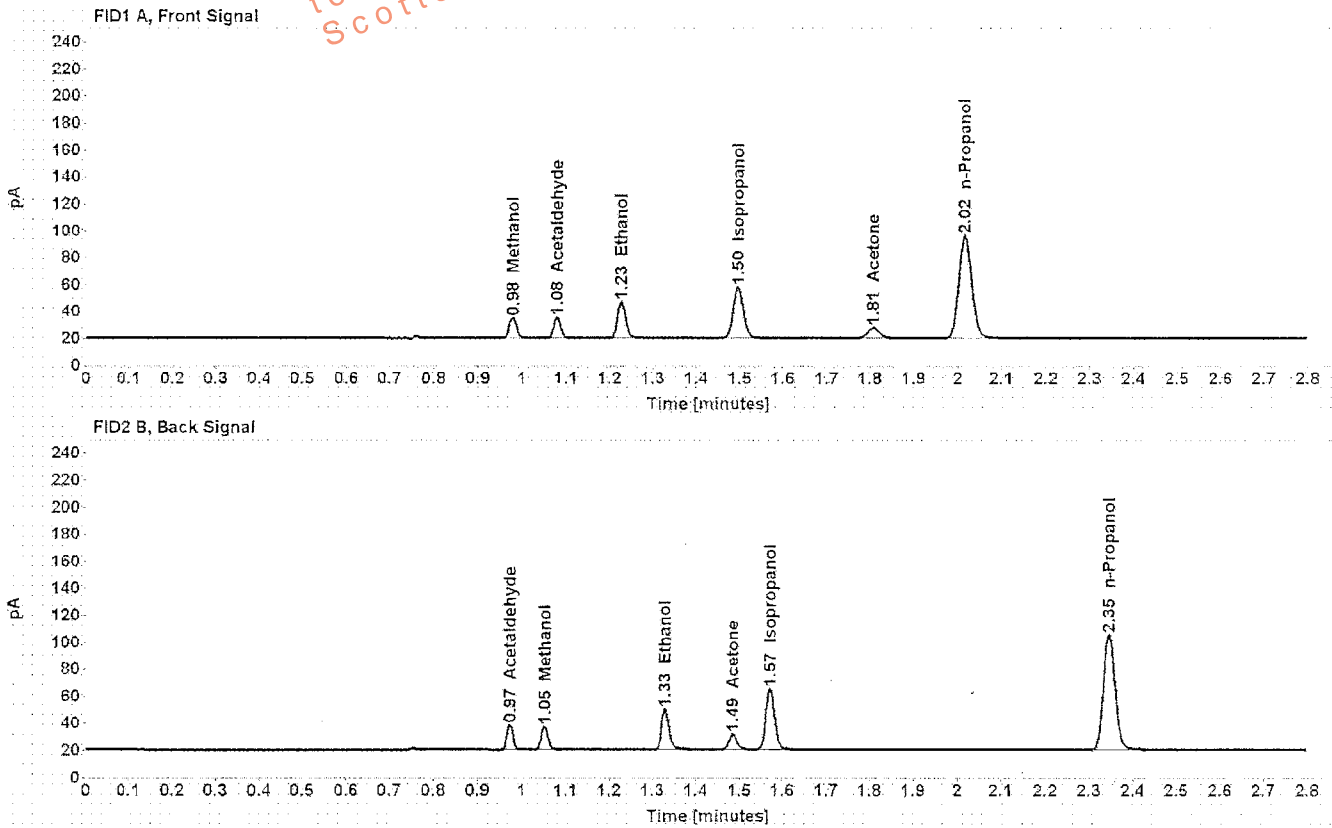


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.979	17.311
Acetaldehyde	-----	1.080	16.932
>Ethanol	0.0647	1.227	35.011
Isopropanol	-----	1.496	62.444
Acetone	-----	1.807	14.319
n-Propanol	-----	2.017	156.474

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	17.446
Methanol	1.052	17.327
Ethanol	1.329	35.471
Acetone	1.485	14.498
Isopropanol	1.571	63.499
n-Propanol	2.346	159.359

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 7/27/2016 2:40:53 PM	Vial: 7
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\27Jul16\7.D	

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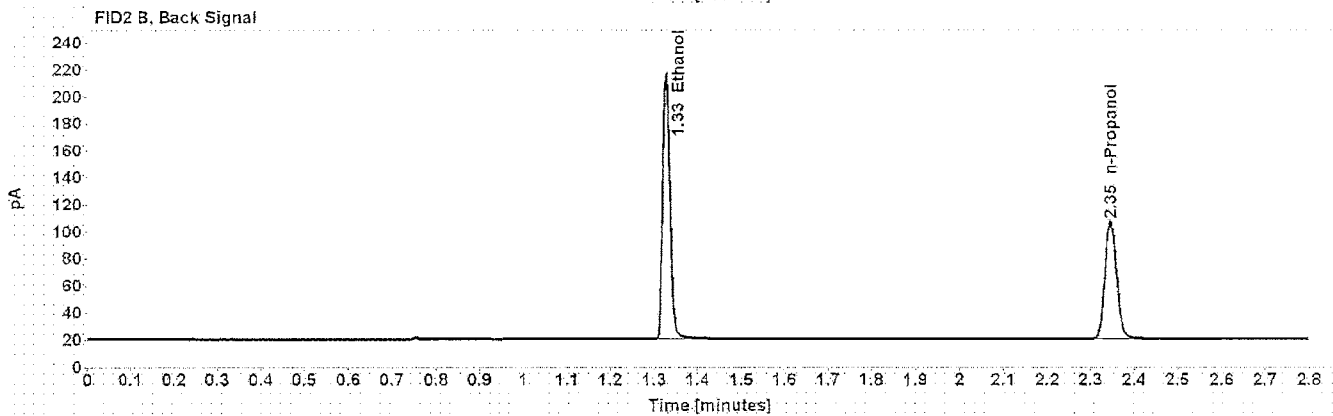
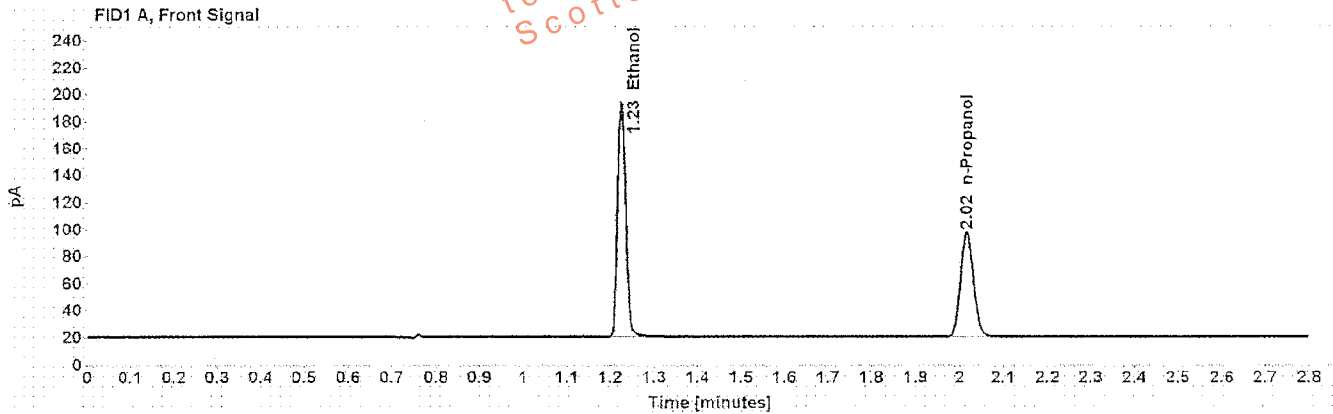


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3998	1.226	223.809
n-Propanol	-----	2.017	159.535

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

Compound	Time (min)	Peak Area
Ethanol	1.328	228.911
n-Propanol	2.345	162.534

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 7/27/2016 2:44:53 PM	Vial: 8
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\10\Data\27Jul16\8.D	

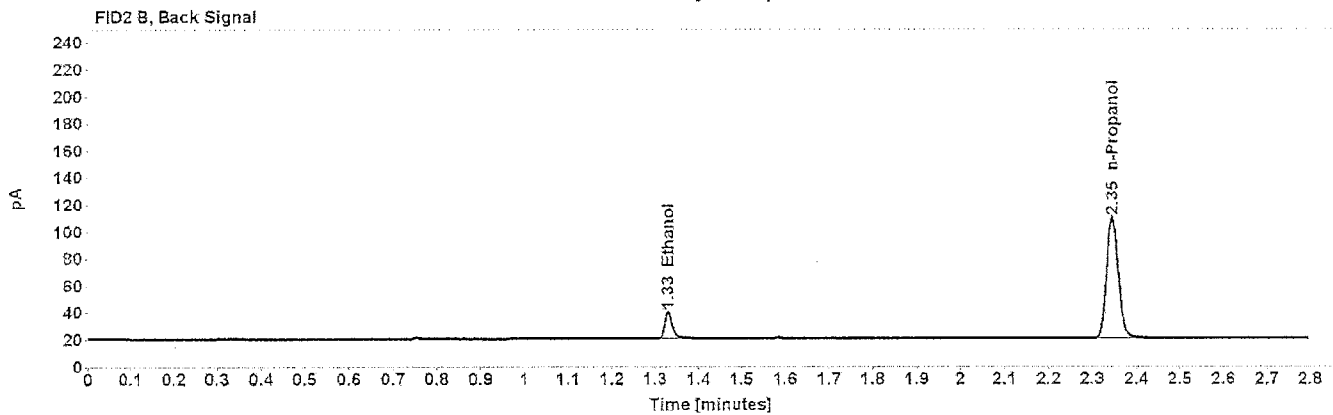
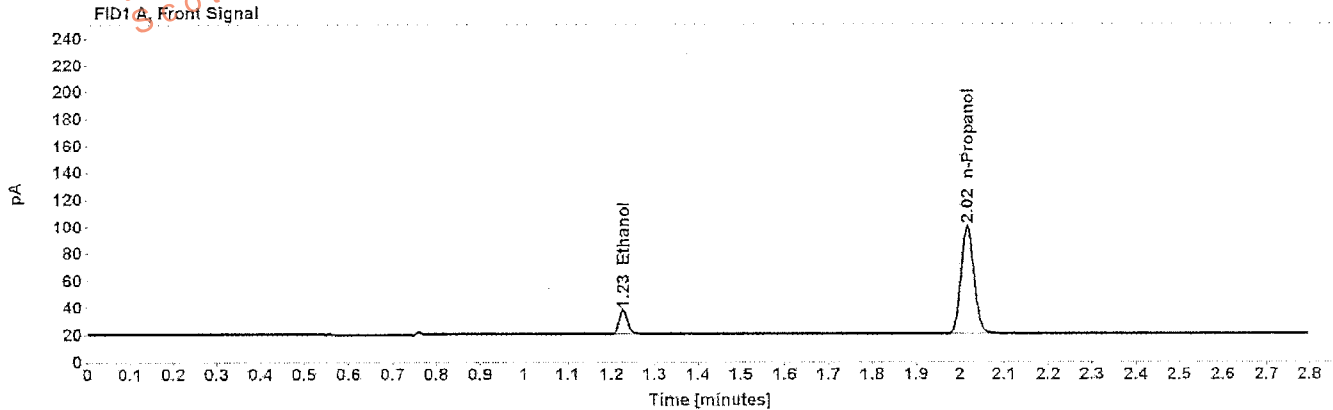


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.227	22.831
n-Propanol	-----	2.017	163.988

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

Compound	Time (min)	Peak Area
Ethanol	1.330	22.965
n-Propanol	2.345	167.094

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 7/27/2016 2:48:53 PM	Vial: 9
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem3211\Data\27Jul16\9.D	

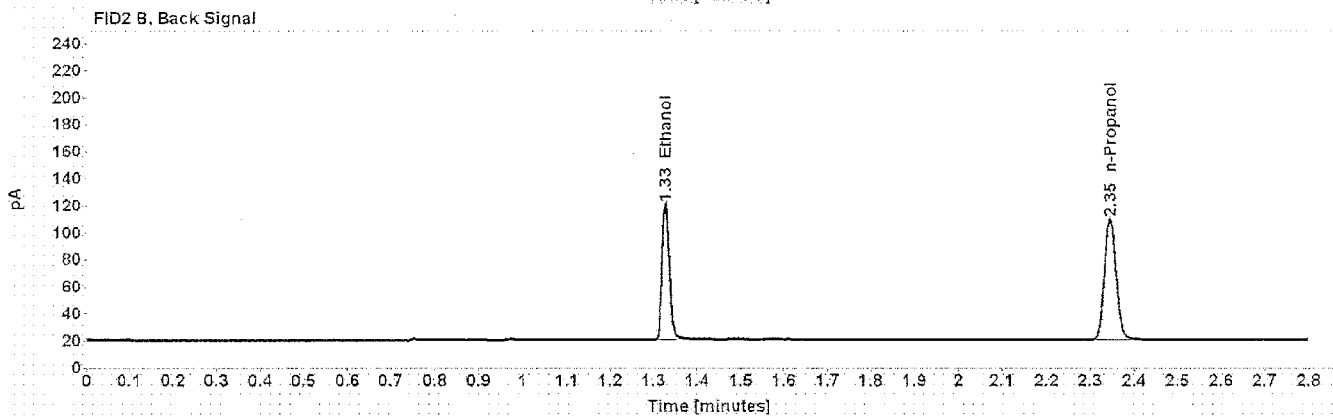
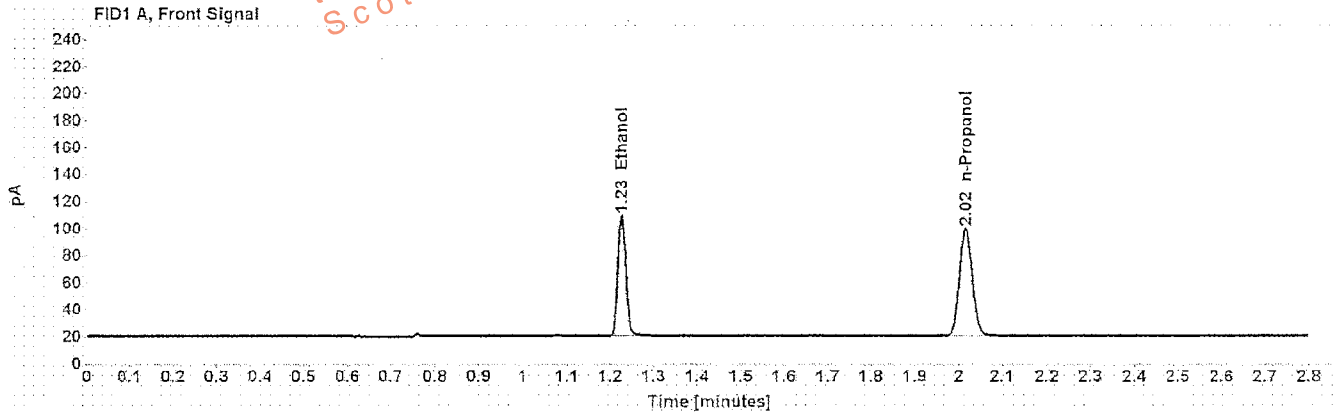


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2013	1.226	115.099
n-Propanol	-----	2.017	163.363

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

Compound	Time (min)	Peak Area
Ethanol	1.328	117.035
n-Propanol	2.345	166.664

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 7/27/2016 3:33:23 PM	Vial: 20
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\20.D	

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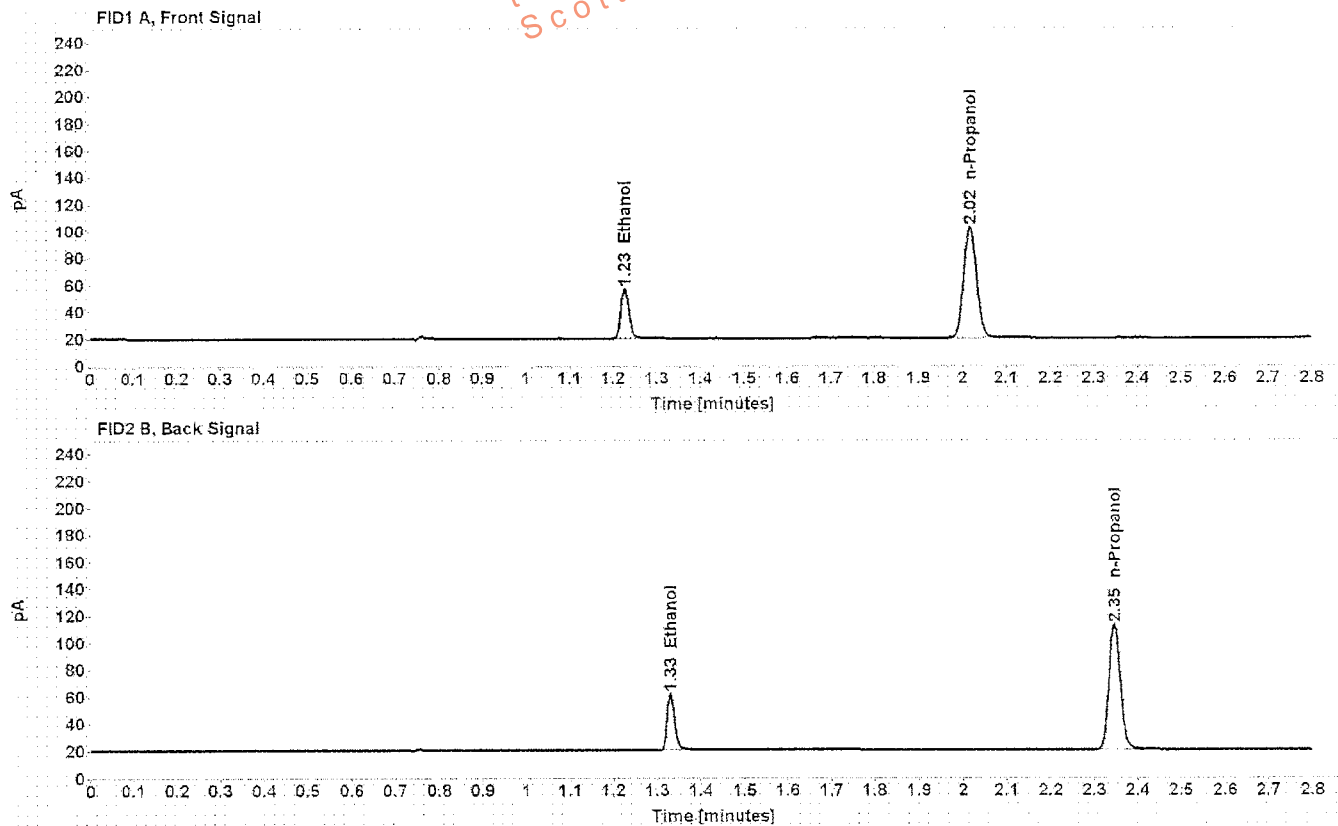


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0816	1.227	47.921
n-Propanol	-----	2.017	169.208

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

Compound	Time (min)	Peak Area
Ethanol	1.330	48.478
n-Propanol	2.346	172.061

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 11012012-C	Item number:
Injection date: 7/27/2016 4:17:52 PM	Vial: 31
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\11\Data\27Jul16\31.D	

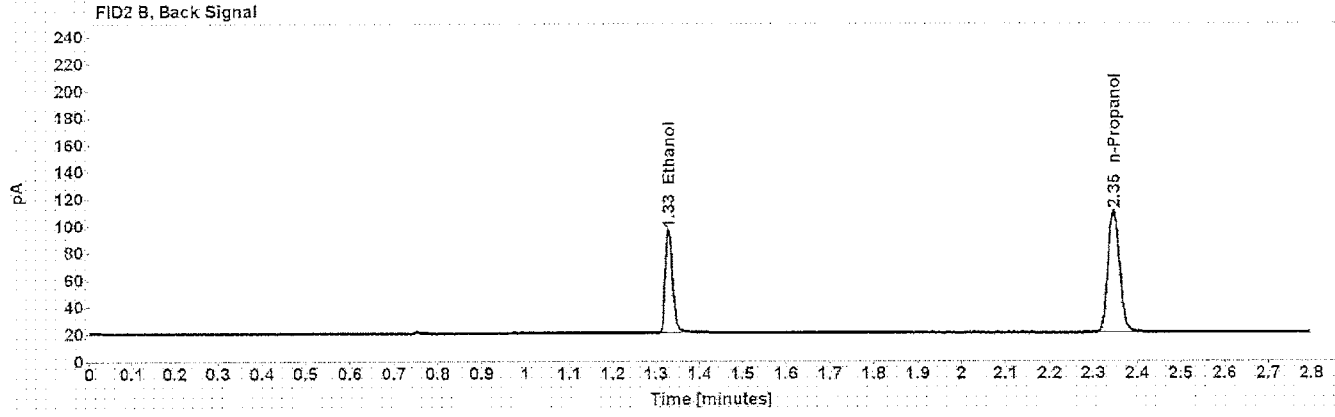
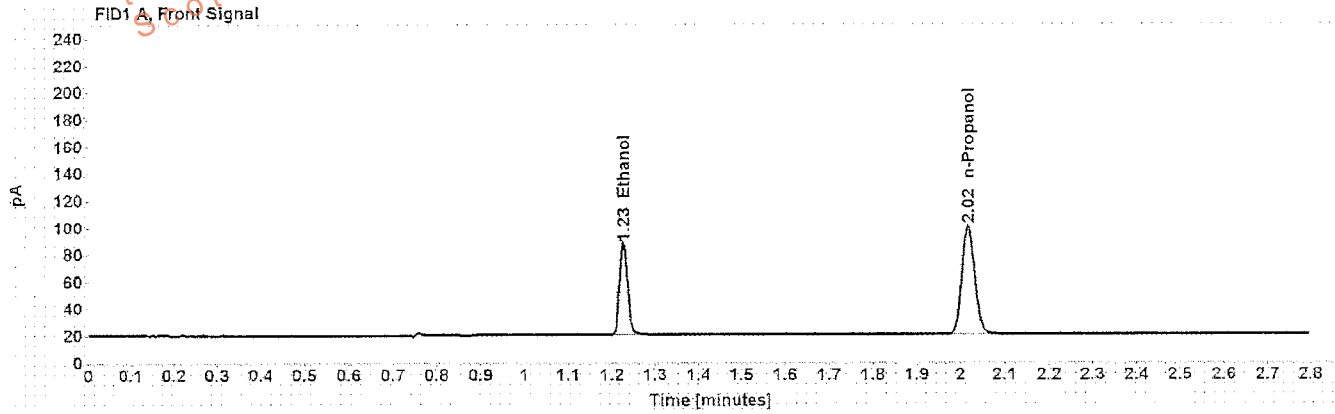


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1515	1.227	87.436
n-Propanol	-----	2.017	165.206

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

Compound	Time (min)	Peak Area
Ethanol	1.329	88.931
n-Propanol	2.346	168.023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number: 42
Injection date: 7/27/2016 5:02:08 PM	Vial: 42
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\27Jul16\42.D	

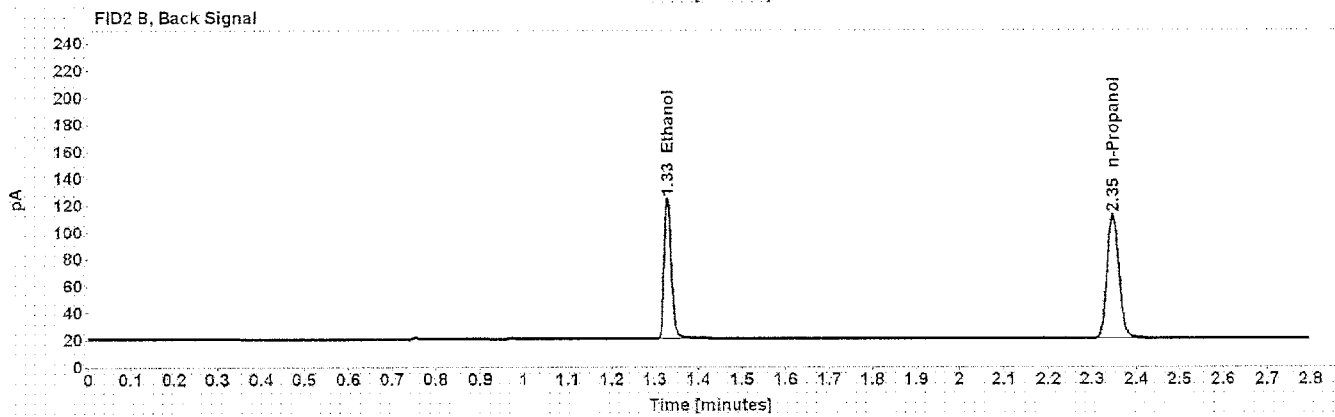
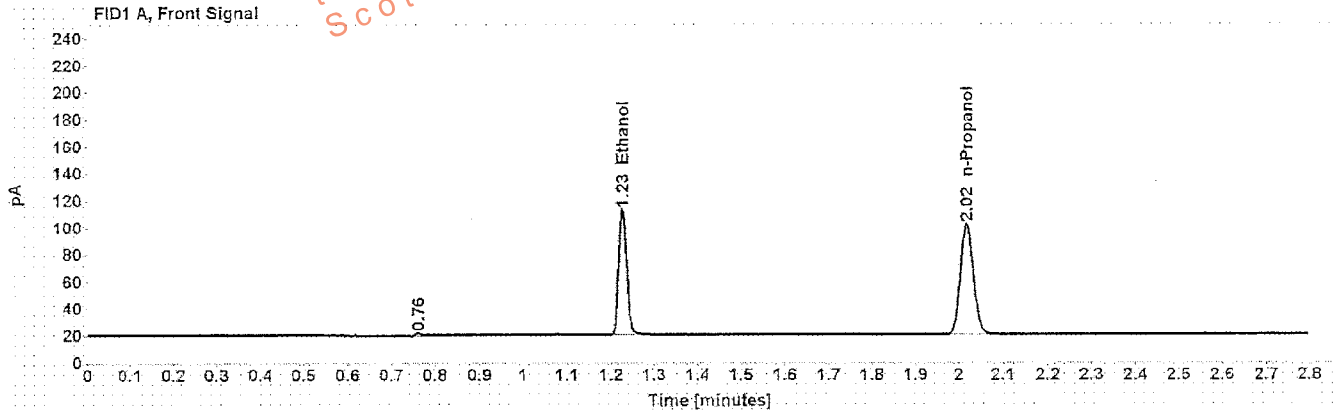


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2032	1.227	119.577
n-Propanol	-----	2.018	168.136

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

Compound	Time (min)	Peak Area
Ethanol	1.329	121.655
n-Propanol	2.347	171.276

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 7/27/2016 5:46:38 PM	Vial: 53
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\53.D	

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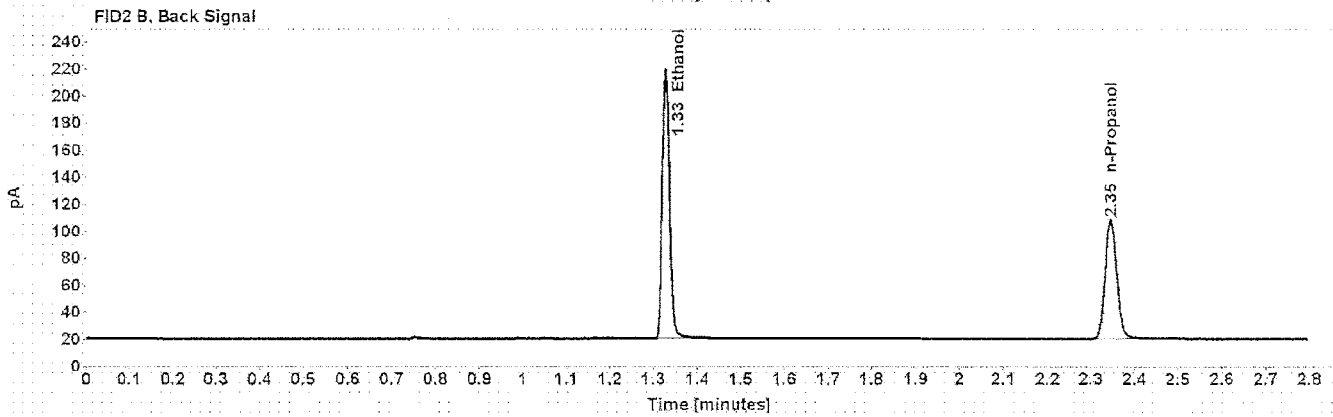
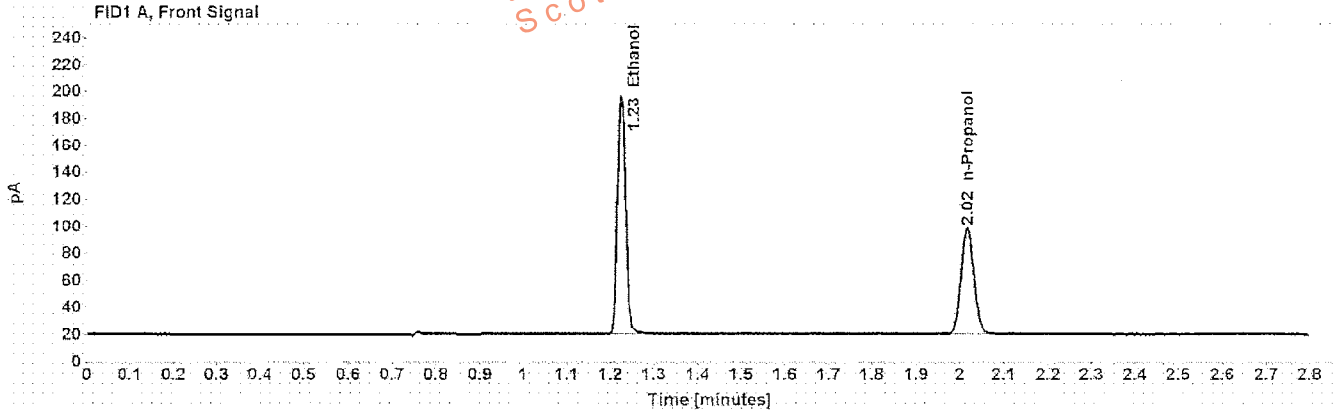


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4002	1.226	227.622
n-Propanol	-----	2.017	162.071

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

Compound	Time (min)	Peak Area
Ethanol	1.328	232.811
n-Propanol	2.345	164.954

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 7/27/2016 5:50:38 PM	Vial: 54
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\11\Data\27Jul16\54.D	

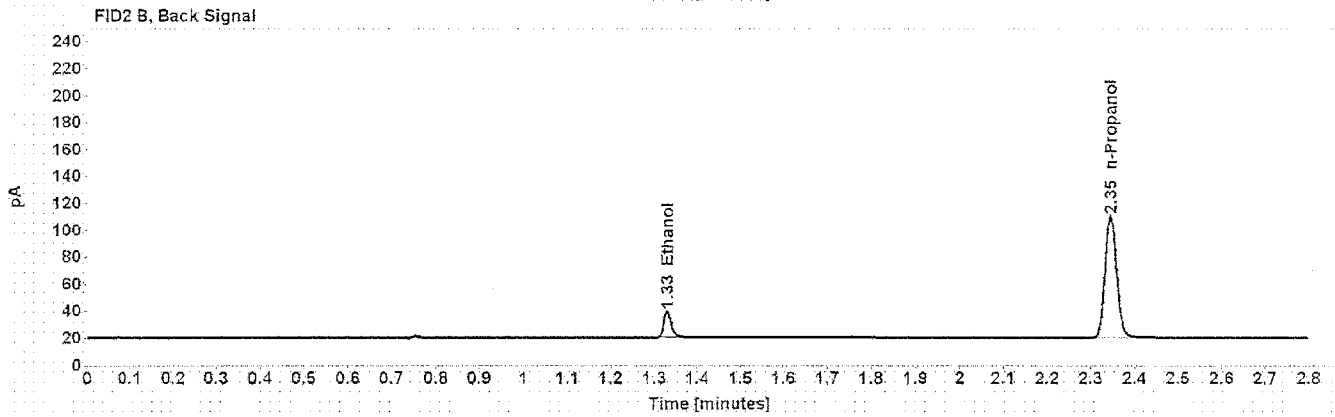
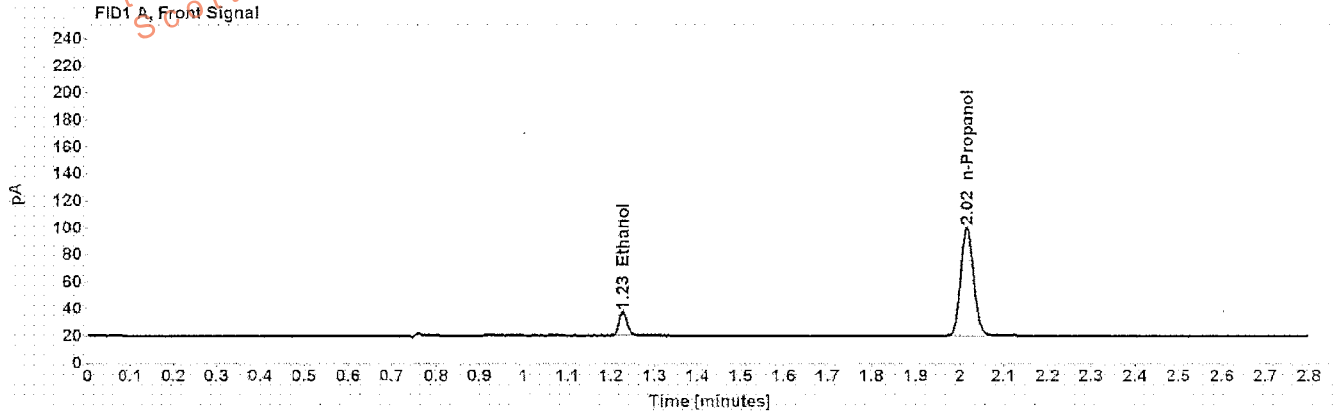


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.227	22.750
n-Propanol	-----	2.016	165.159

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

Compound	Time (min)	Peak Area
Ethanol	1.330	22.809
n-Propanol	2.345	167.847

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Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 7/27/2016 5:54:53 PM	Vial: 55
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11Data\27Jul16\55.D	

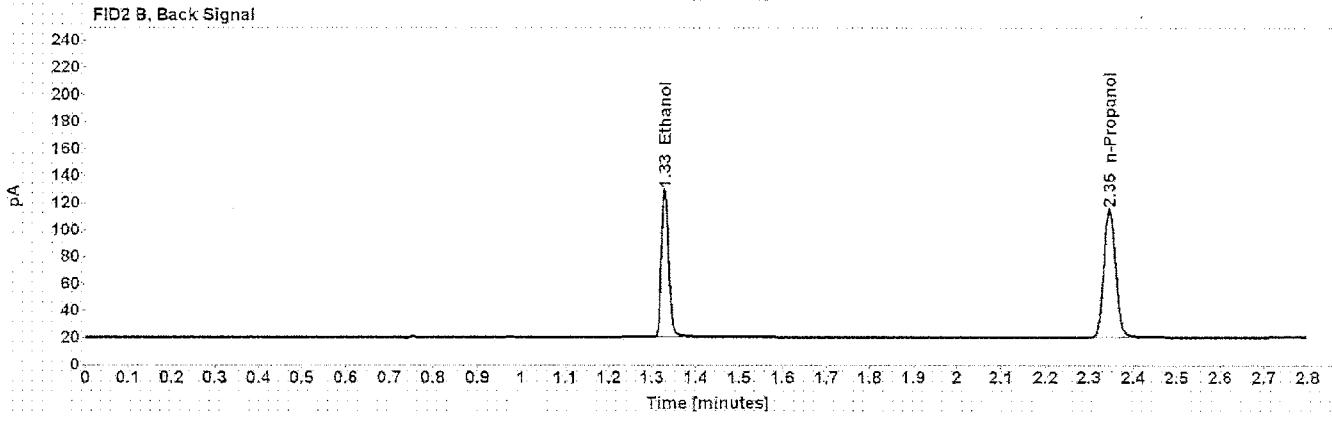
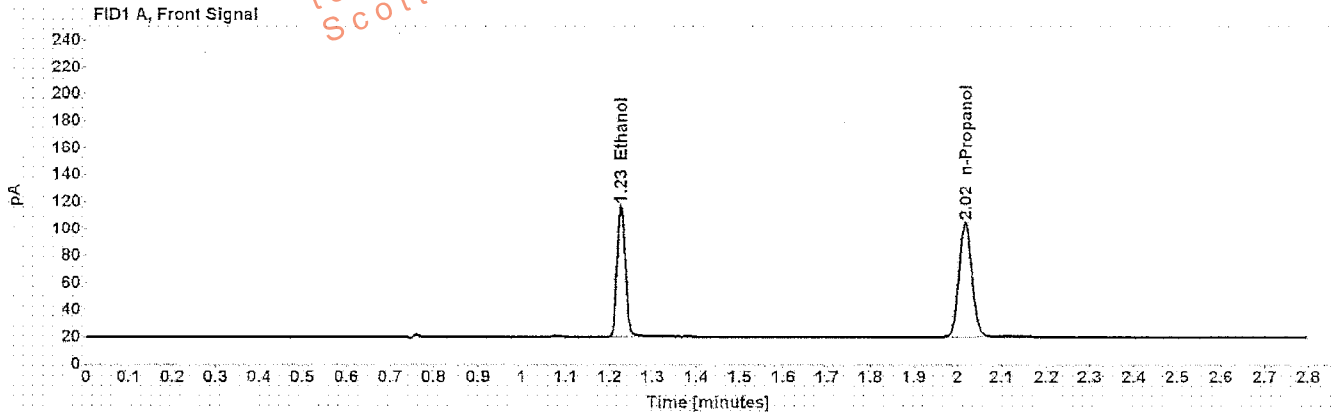


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2052	1.227	125.173
n-Propanol	-----	2.017	174.267

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

Compound	Time (min)	Peak Area
Ethanol	1.329	127.093
n-Propanol	2.346	177.518

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 7/27/2016 5:58:53 PM	Vial: 56
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan <i>HL</i>
Data file: C:\Chem32\1\Data\27Jul16\56.D	

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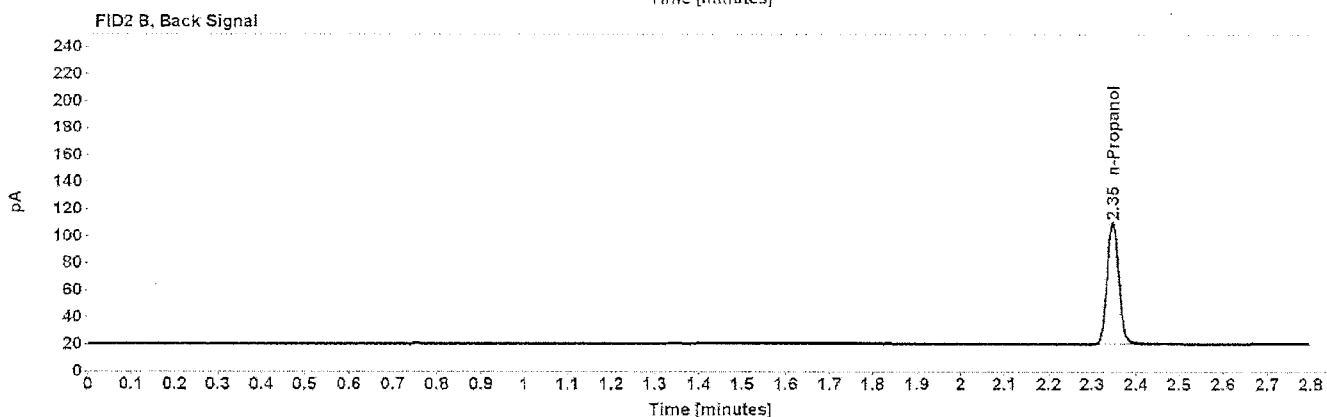
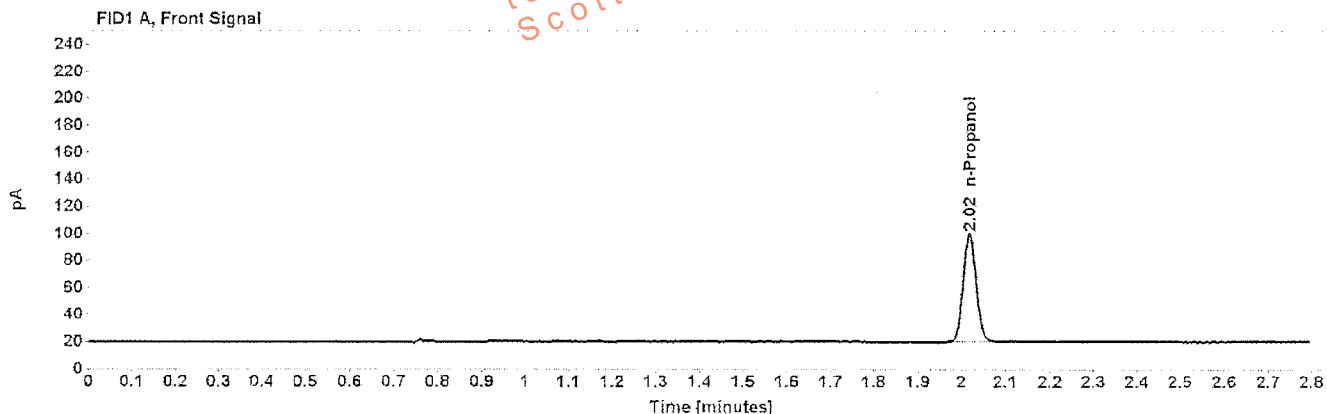


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.018	164.968

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	167.919

Sequence Summary

Sequence name: 27Jul16 Instrument: US14173023 CN14160045 Analyst: Langan

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		Sample	1060443	ethanol quant.M
11		Sample	1060443	ethanol quant.M
12		Sample	1057725	ethanol quant.M
13		Sample	1057725	ethanol quant.M
14		Sample	1059761	ethanol quant.M
15		Sample	1059761	ethanol quant.M
16		Sample	1059886	ethanol quant.M
17		Sample	1059886	ethanol quant.M
18		Sample	1060435	ethanol quant.M
19		Sample	1060435	ethanol quant.M
20	0.080 Lipomed 14112011-A	Control		ethanol quant.M
21		Sample	1060760	ethanol quant.M
22		Sample	1060760	ethanol quant.M
23		Sample	1061514	ethanol quant.M
24		Sample	1061514	ethanol quant.M
25		Sample	1064607	ethanol quant.M
26		Sample	1064607	ethanol quant.M
27		Sample	1068027	ethanol quant.M
28		Sample	1068027	ethanol quant.M
29		Sample	1066424	ethanol quant.M
30		Sample	1066424	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32		Sample	1095132	ethanol quant.M
33		Sample	1095132	ethanol quant.M
34		Sample	1098621	ethanol quant.M
35		Sample	1098621	ethanol quant.M
36		Sample	1098391	ethanol quant.M
37		Sample	1098391	ethanol quant.M
38		Sample	1097947	ethanol quant.M
39		Sample	1097947	ethanol quant.M
40		Sample	1102911	ethanol quant.M
41		Sample	1102911	ethanol quant.M
42	0.20 ACQ 402101060/6	Control		ethanol quant.M
43		Sample	1101516	ethanol quant.M
44		Sample	1101516	ethanol quant.M
45		Sample	1101695	ethanol quant.M
46		Sample	1101695	ethanol quant.M
47		Sample	1100800	ethanol quant.M

Sequence Summary

48		Sample	1100800	ethanol quant.M
49		Sample	1098968	ethanol quant.M
50		Sample	1098968	ethanol quant.M
51		Sample	1099941	ethanol quant.M
52		Sample	1099941	ethanol quant.M
53	0.40 Lipomed 05012012-C	Control		ethanol quant.M
54	0.04 Lipomed 30112011-B	Control		ethanol quant.M
55	0.20 ACQ 402101060/6	Control		ethanol quant.M
56	blank 110215	Control		ethanol quant.M

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SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
 SEQUENCE SUMMARY OF CASES

SEQUENCE NAME: 27Jul16

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1815	0.1839	0.18270	0.66	0.00120
12 13	0.0724	0.0731	0.07275	0.48	0.00035
14 15	0.2067	0.2089	0.20780	0.53	0.00110
16 17	0.2156	0.2175	0.21655	0.44	0.00095
18 19	0.1060	0.1063	0.10615	0.14	0.00015
21 22	0.1947	0.1907	0.19270	1.04	0.00200
23 24	0.1023	0.1027	0.10250	0.20	0.00020
25 26	0.0980	0.0976	0.09780	0.20	0.00020
27 28	0.1825	0.1847	0.18360	0.60	0.00110
29 30	0.2219	0.2221	0.22200	0.05	0.00010
32 33	0.0599	0.0600	0.05995	0.08	0.00005
34 35	0.2165	0.2161	0.21630	0.09	0.00020
36 37	0.1497	0.1506	0.15015	0.30	0.00045
38 39	0.2681	0.2683	0.26820	0.04	0.00010
40 41	0.1886	0.1870	0.18780	0.43	0.00080
43 44	0.2375	0.2379	0.23770	0.08	0.00020
45 46	0.2039	0.2041	0.20400	0.05	0.00010
47 48	0.2965	0.2974	0.29695	0.15	0.00045
49 50	0.2820	0.2804	0.28120	0.28	0.00080
51 52	0.2822	0.2813	0.28175	0.16	0.00045

*Calculated differences are differences from the mean of the two results.

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1060443
Injection date: 7/27/2016 2:52:53 PM	Vial: 10
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14473023 CN44160045	Analyst: Langan
Data file: C:\Chem321\1Data\27Jul16\10.D	

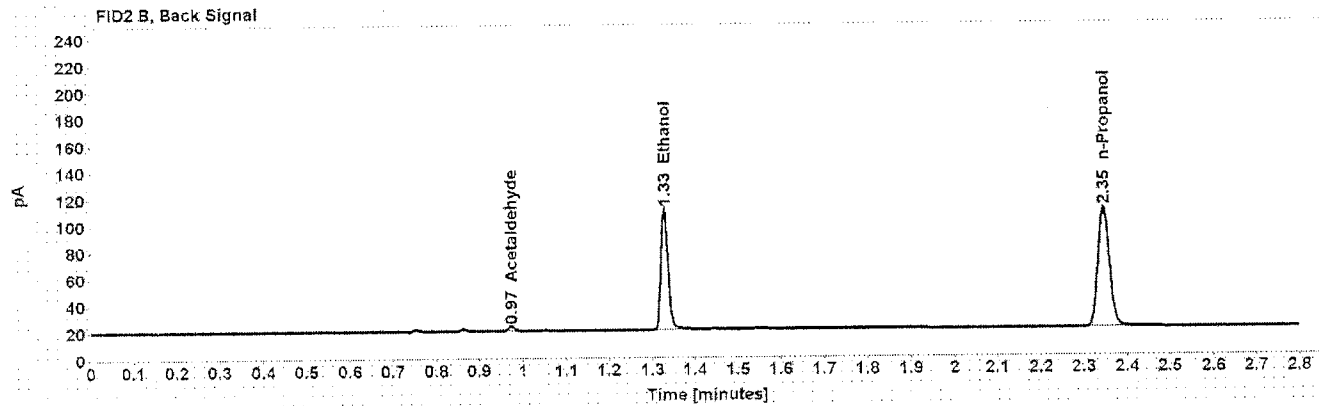
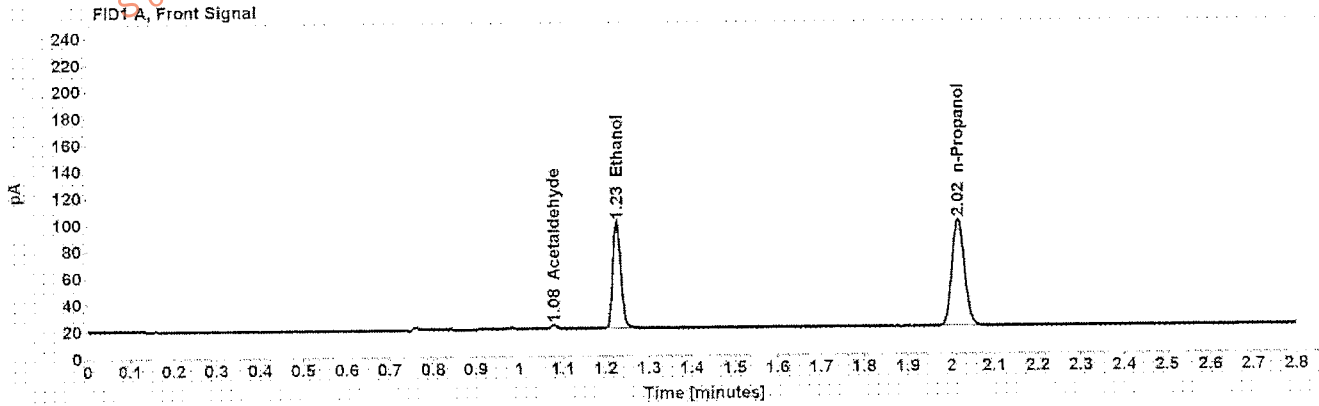


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.060
>Ethanol	0.1815	1.226	104.064
n-Propanol	-----	2.017	163.958

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.201
Ethanol	1.328	105.747
n-Propanol	2.345	167.356

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1060443
Injection date: 7/27/2016 2:56:53 PM	Vial: 11
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\27Jul16\11.D	

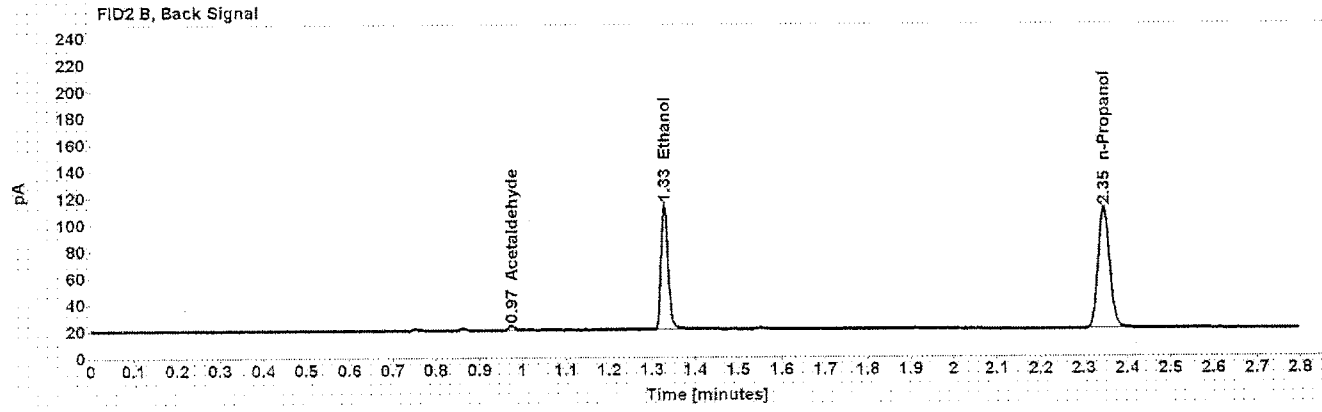
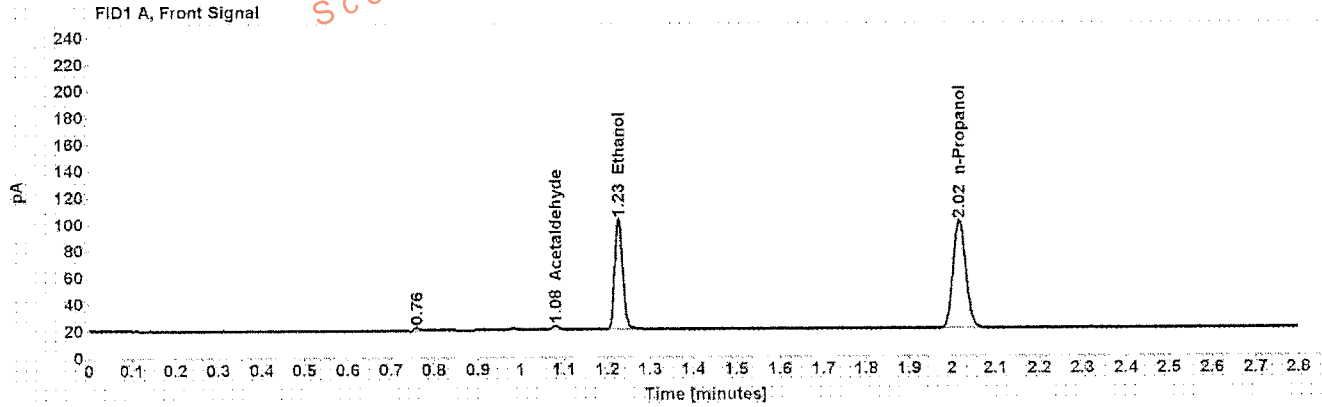


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.130
>Ethanol	0.1839	1.226	106.877
n-Propanol	-----	2.017	166.148

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.339
Ethanol	1.328	108.837
n-Propanol	2.346	168.678

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1057725
Injection date: 7/27/2016 3:00:53 PM	Vial: 12
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\12.D	

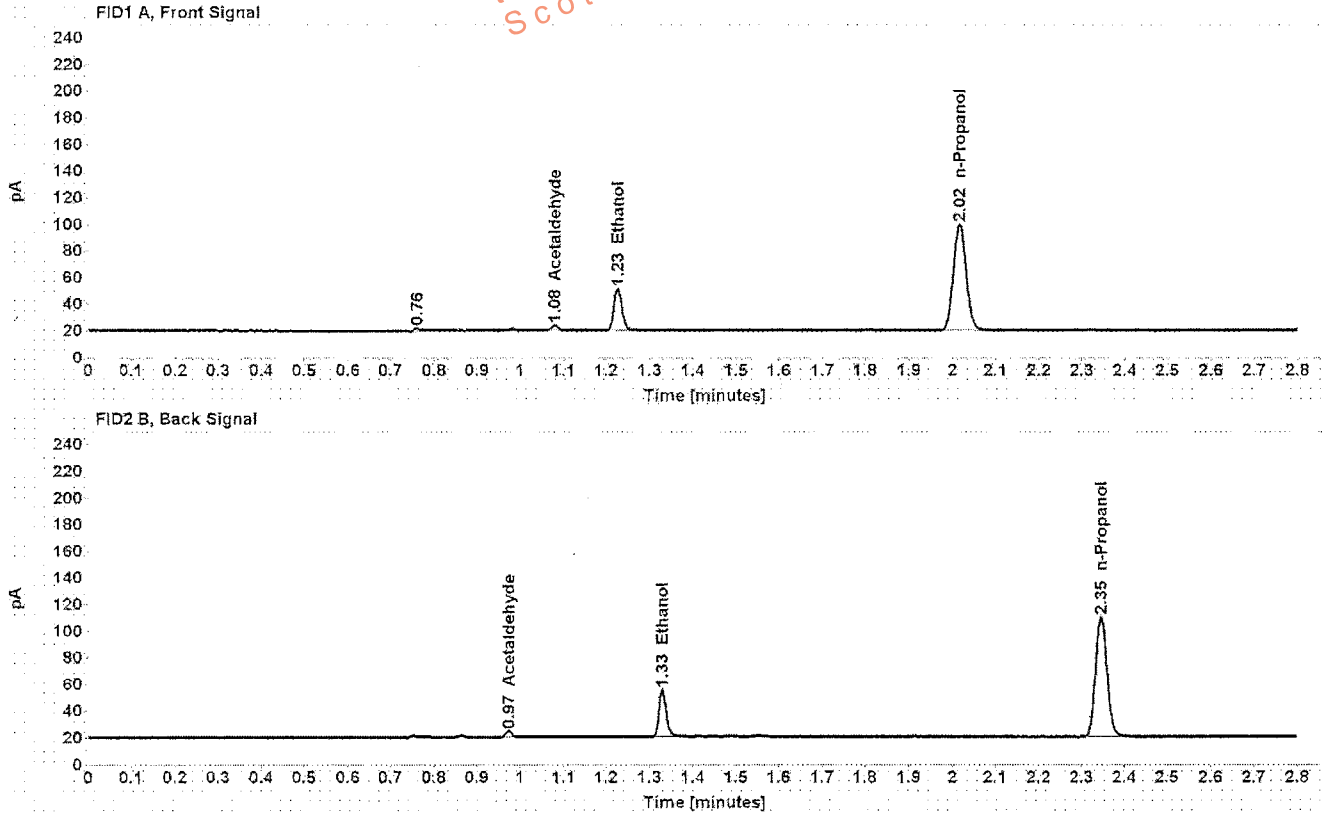


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.088
>Ethanol	0.0724	1.227	41.199
n-Propanol	-----	2.017	164.194

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.224
Ethanol	1.329	42.233
n-Propanol	2.345	167.935

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1057725
Injection date: 7/27/2016 3:05:08 PM	Vial: 13
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem321\Data\27Jul16\13.D	

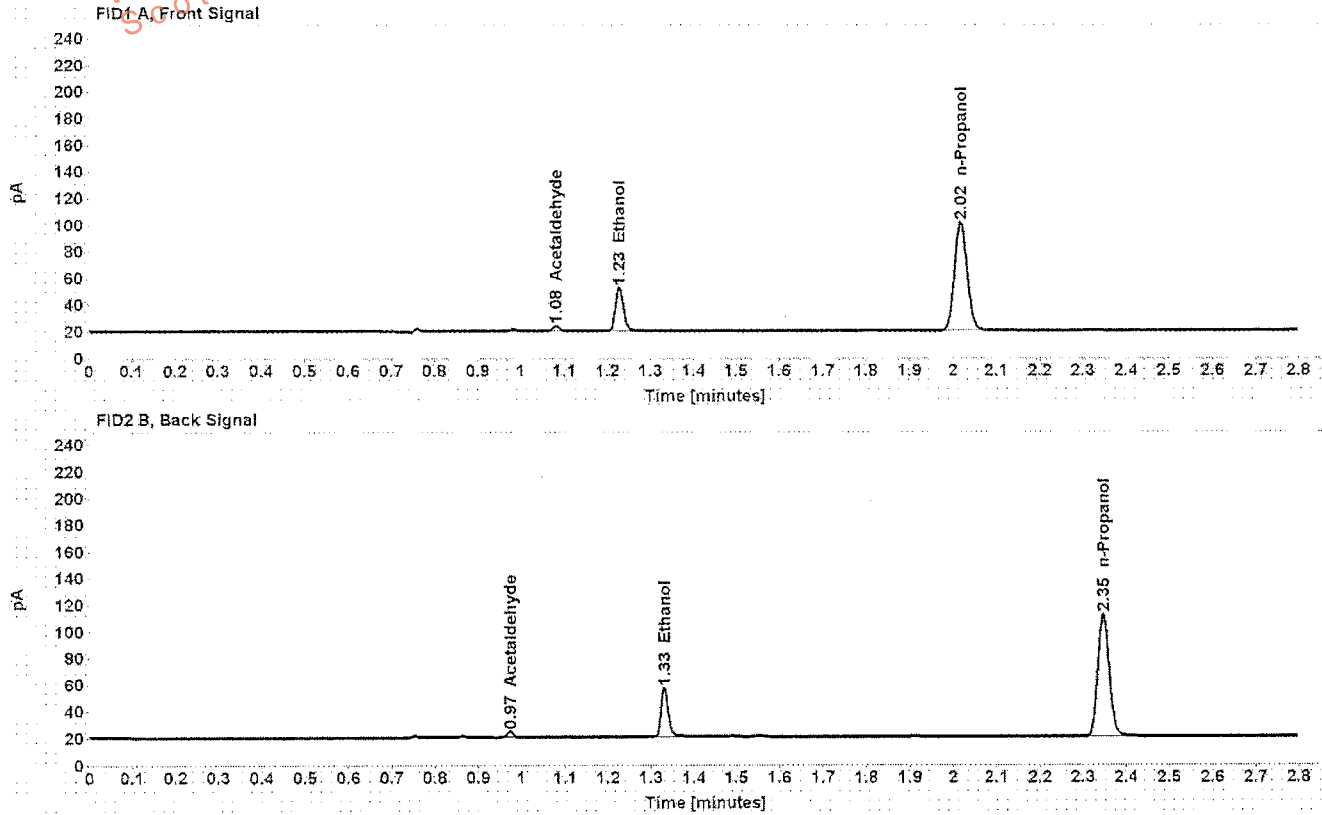


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.029
>Ethanol	0.0731	1.228	42.158
n-Propanol	-----	2.018	166.504

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.214
Ethanol	1.330	43.814
n-Propanol	2.347	170.215

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1059761
Injection date:	7/27/2016 3:09:08 PM	Vial:	14
Method:	ethanol quant M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\27Jul16\14.D		

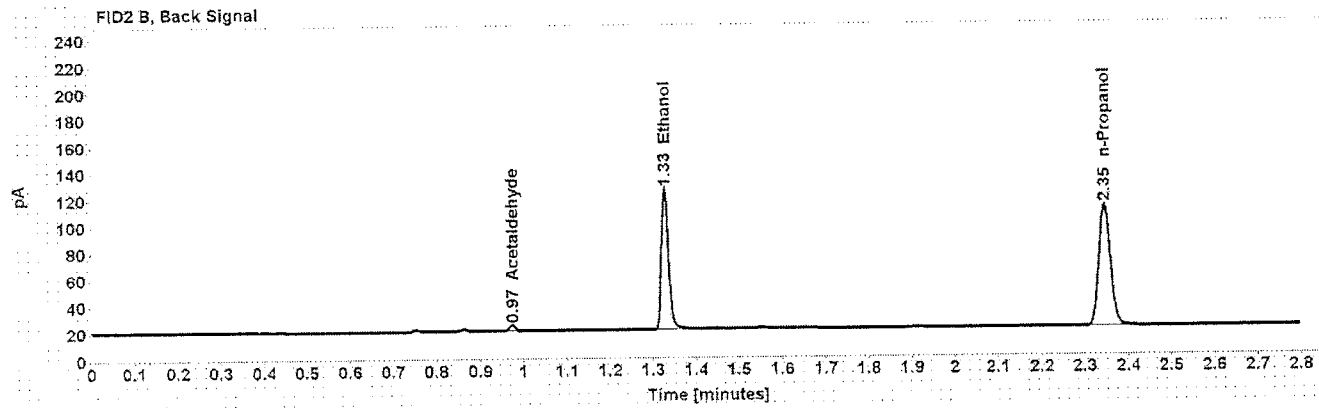
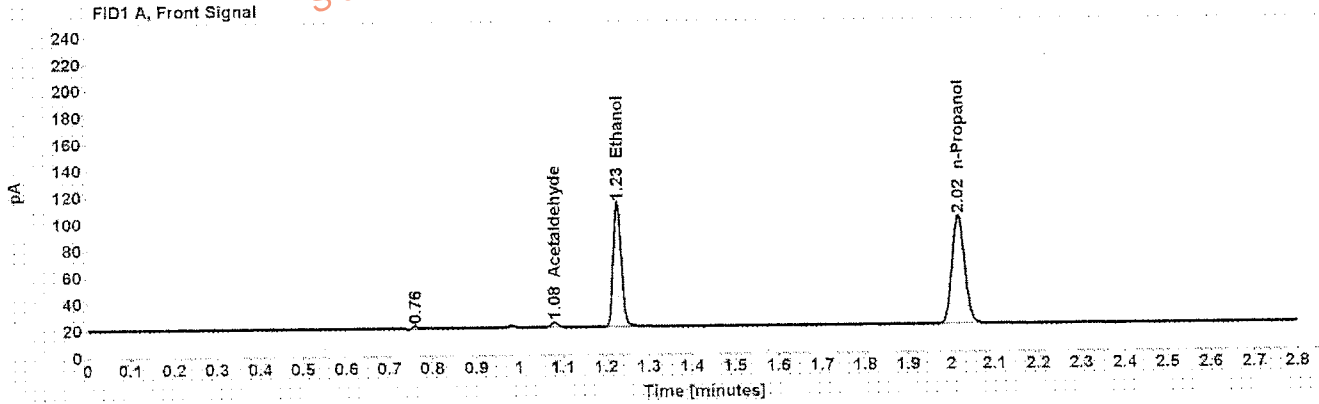


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.939
>Ethanol	0.2067	1.226	120.561
n-Propanol	-----	2.017	166.628

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.062
Ethanol	1.328	122.720
n-Propanol	2.346	170.378

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1059761
Injection date: 7/27/2016 3:13:08 PM	Vial: 15
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\27Jul16\15.D	

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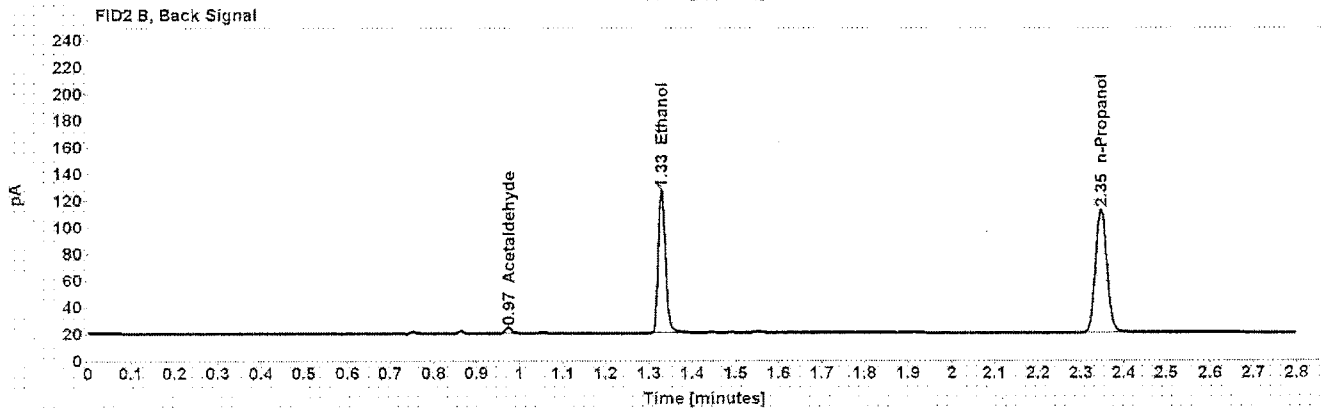
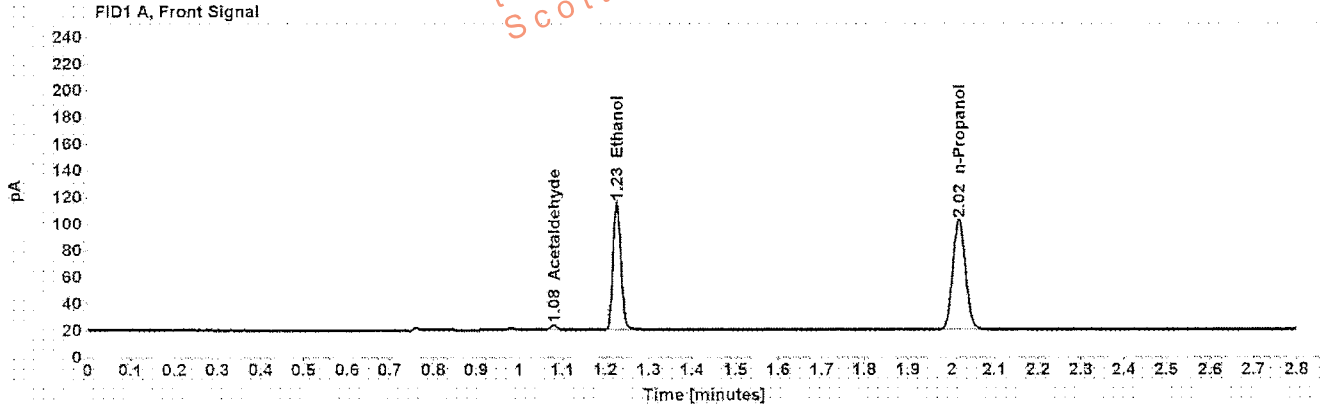


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.912
>Ethanol	0.2089	1.227	123.330
n-Propanol	-----	2.017	168.657

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4,055
Ethanol	1.329	125.438
n-Propanol	2.346	172.257

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1059886
Injection date: 7/27/2016 3:17:08 PM	Vial: 16
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160046	Analyst: Langan
Data file: C:\Chem3211\Data\27Jul16\16.D	

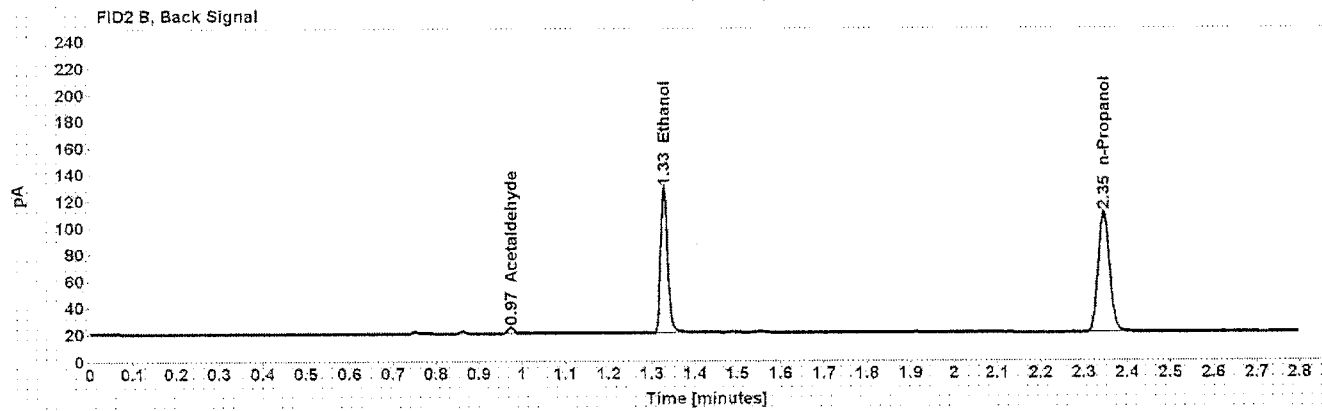
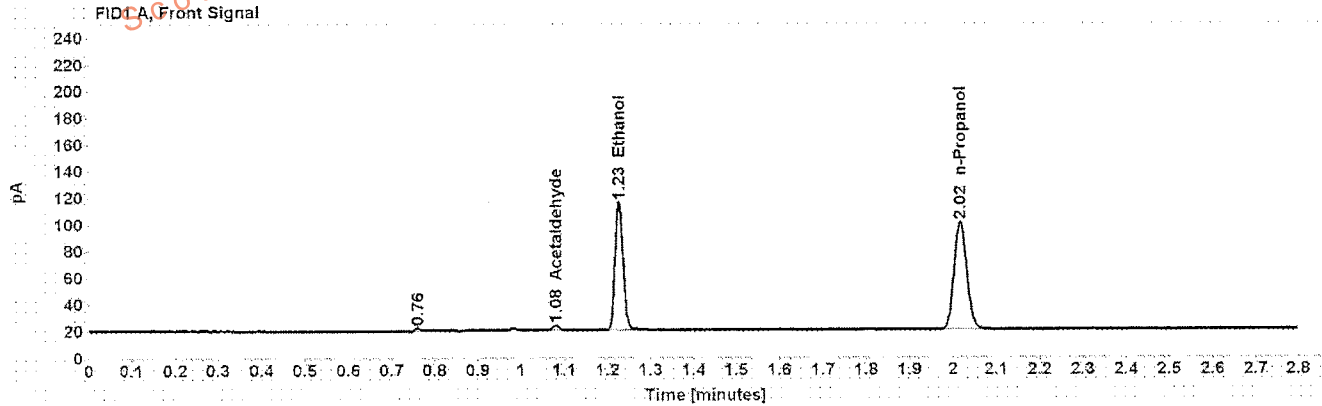


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.187
>Ethanol	0.2156	1.226	124.351
n-Propanol	-----	2.017	164.750

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.334
Ethanol	1.328	126.301
n-Propanol	2.346	168.328

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1059886
Injection date: 7/27/2016 3:21:07 PM	Vial: 17
Method: ethanol quant M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\27Jul16\17.D	

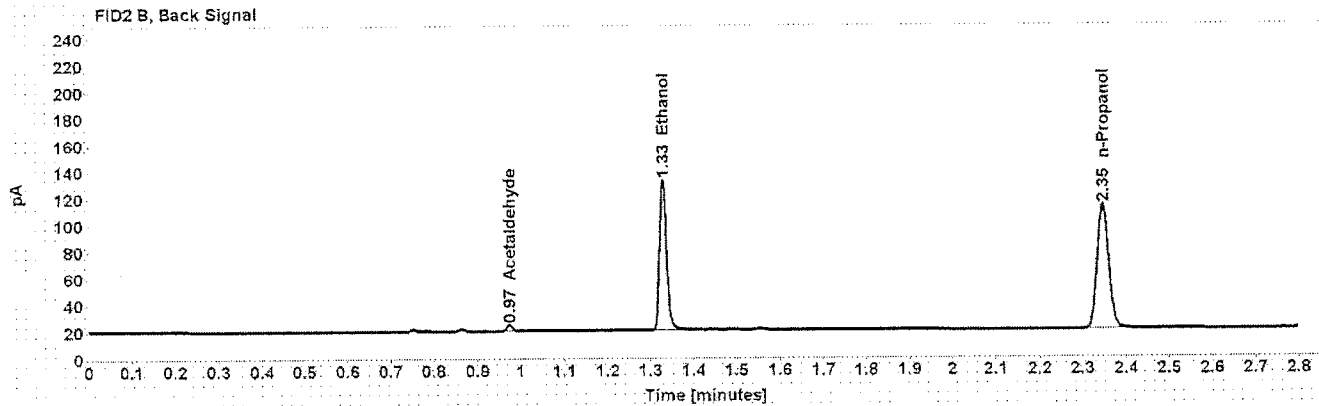
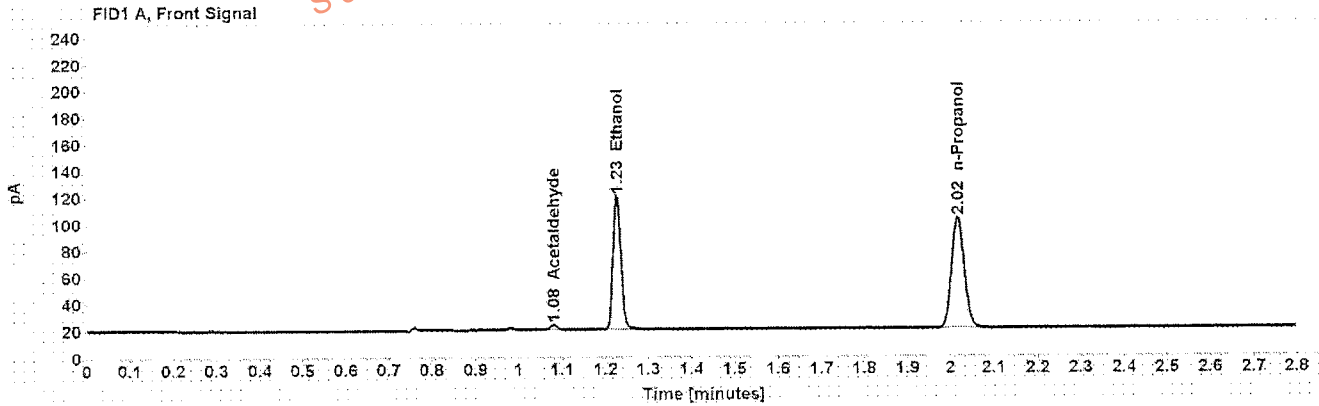


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.110
>Ethanol	0.2175	1.227	129.075
n-Propanol	-----	2.017	169.537

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.289
Ethanol	1.329	131.490
n-Propanol	2.346	173.237

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1060435
Injection date:	7/27/2016 3:25:08 PM	Vial:	18
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\27Jul16\18.D		

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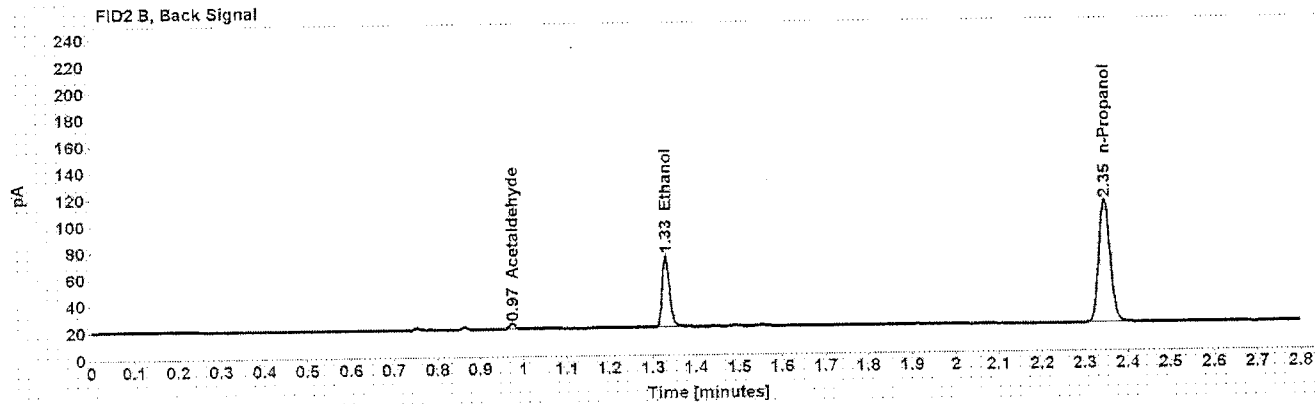
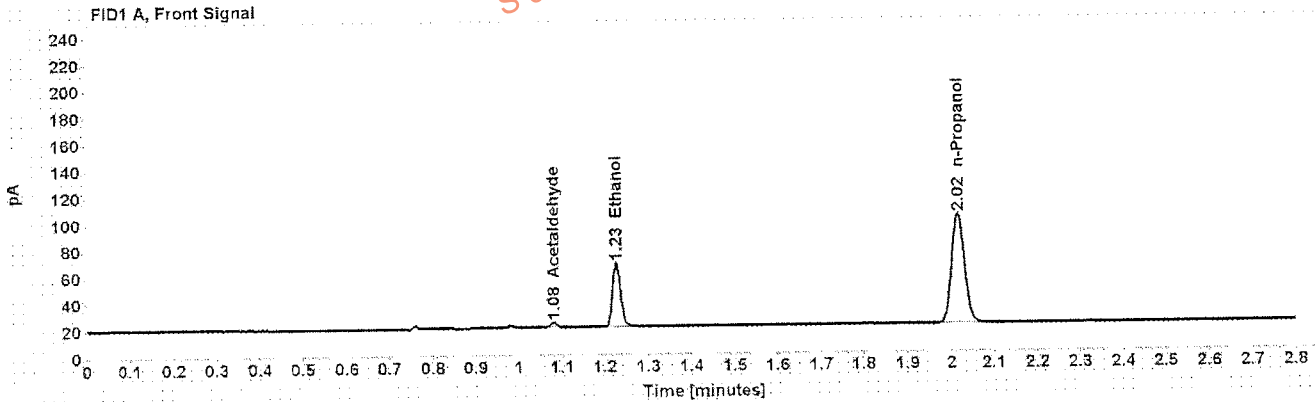


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.577
>Ethanol	0.1060	1.227	62.167
n-Propanol	-----	2.017	168.376

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.726
Ethanol	1.330	63.182
n-Propanol	2.346	171.881

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1060435
Injection date:	7/27/2016 3:29:23 PM	Vial:	19
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14473023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\27Jul16\19.D		

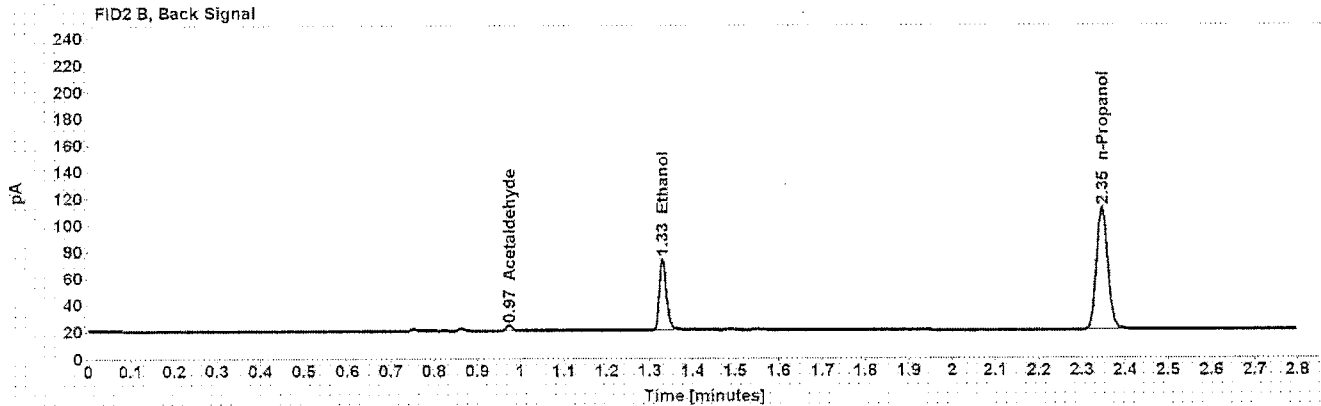
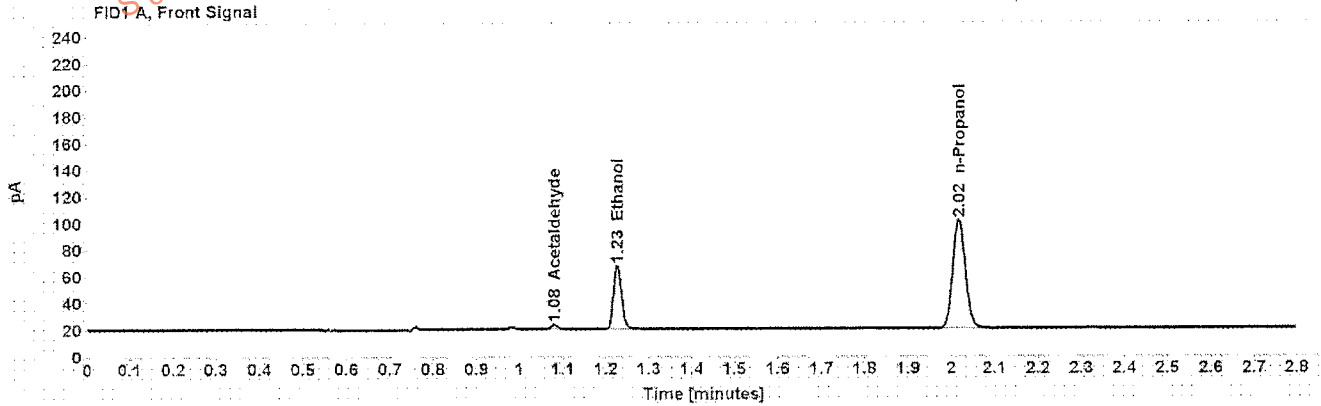


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.472
>Ethanol	0.1063	1.227	61.801
n-Propanol	-----	2.017	166.974

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.622
Ethanol	1.330	62.929
n-Propanol	2.346	170.750

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1060760
Injection date:	7/27/2016 3:37:24 PM	Vial:	21
Method:	ethanol quant M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\27Jul16\21.D		

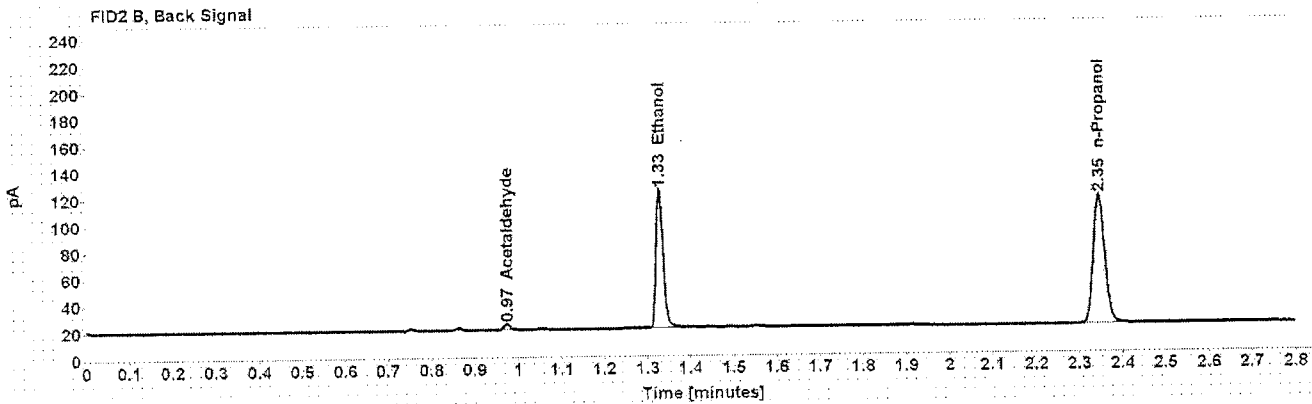
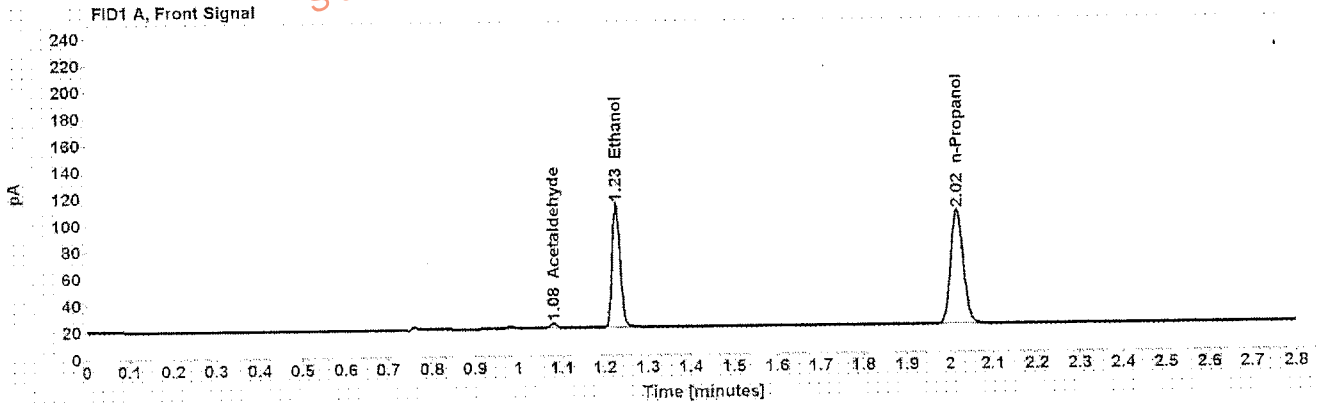


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.810
>Ethanol	0.1947	1.227	119.445
n-Propanol	-----	2.017	175.320

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.973
Ethanol	1.329	121.778
n-Propanol	2.346	179.211

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1060760
Injection date: 7/27/2016 3:41:23 PM	Vial: 22
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\27Jul16\22.D	

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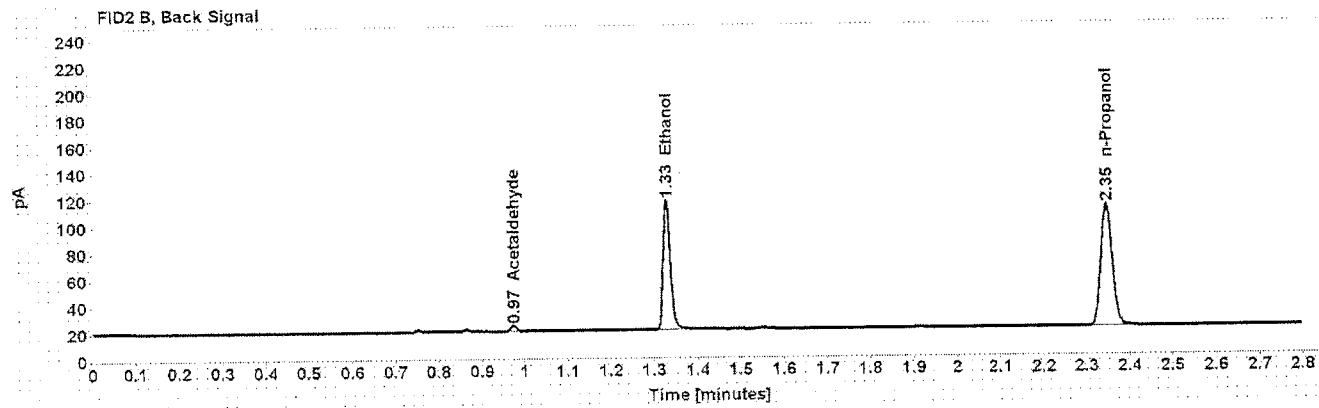
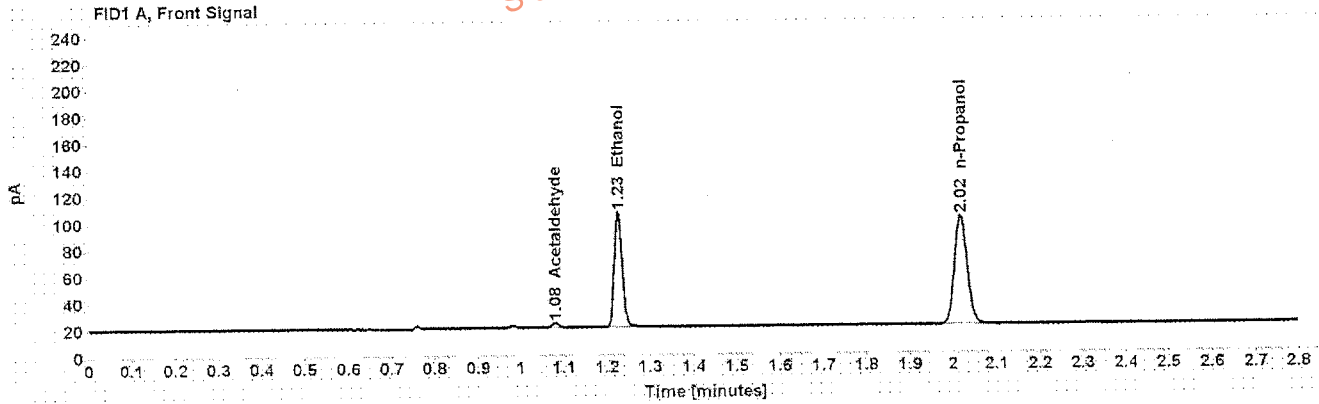


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.649
>Ethanol	0.1907	1.227	111.079
n-Propanol	-----	2.017	166.498

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.843
Ethanol	1.329	113.189
n-Propanol	2.346	170.210

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1061514
Injection date: 7/27/2016 3:45:23 PM	Vial: 23
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14473023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\27Jul16\23.D	

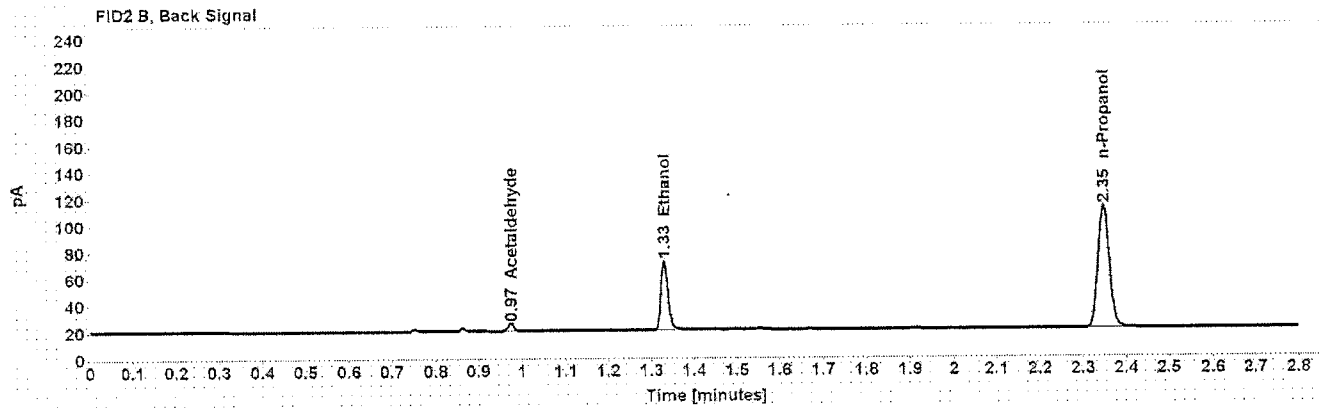
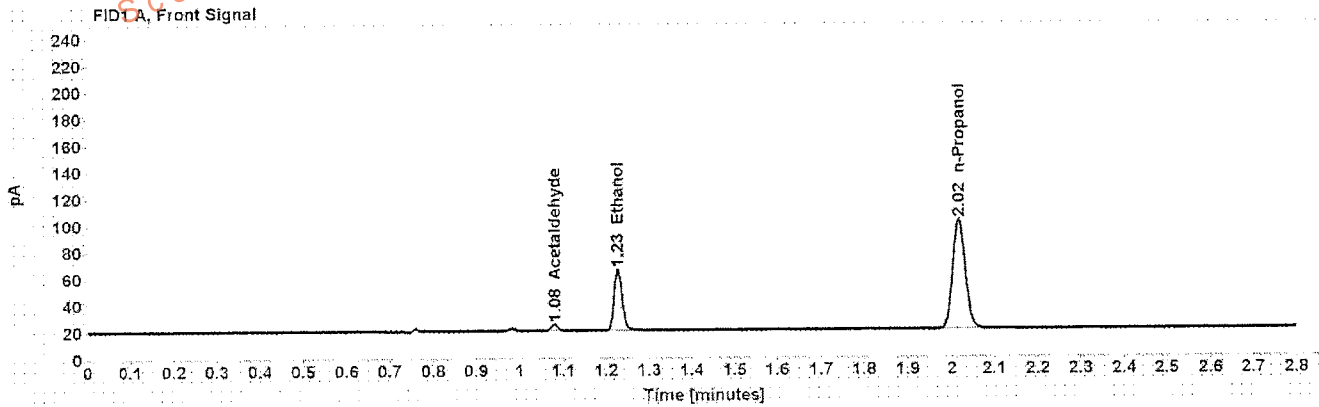


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	5.029
>Ethanol	0.1023	1.227	59.502
n-Propanol	-----	2.018	167.068

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.207
Ethanol	1.330	60.351
n-Propanol	2.347	170.636

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1061514
Injection date: 7/27/2016 3:49:23 PM	Vial: 24
Method: ethanol quant M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11Data\27Jul16\24.D	

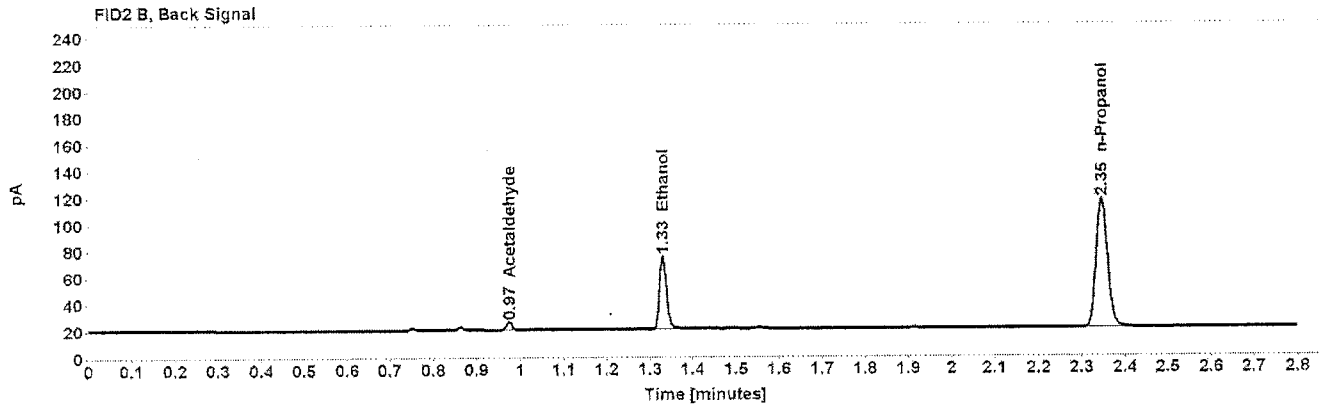
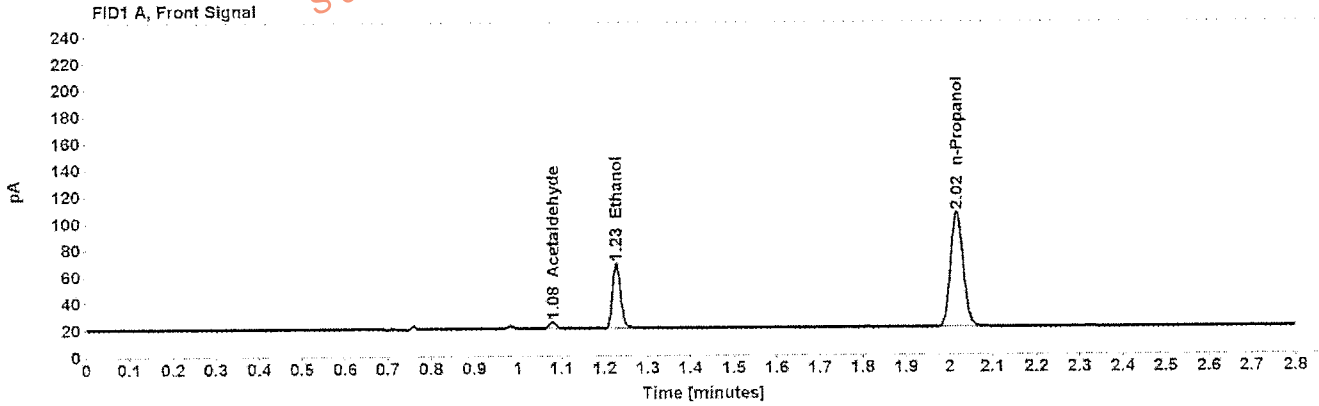


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	5.212
>Ethanol	0.1027	1.227	62.921
n-Propanol	-----	2.018	175.956

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.424
Ethanol	1.330	64.636
n-Propanol	2.347	180.022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1064607
Injection date: 7/27/2016 3:53:38 PM	Vial: 25
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem321\1\Data\27Jul16\25.D	

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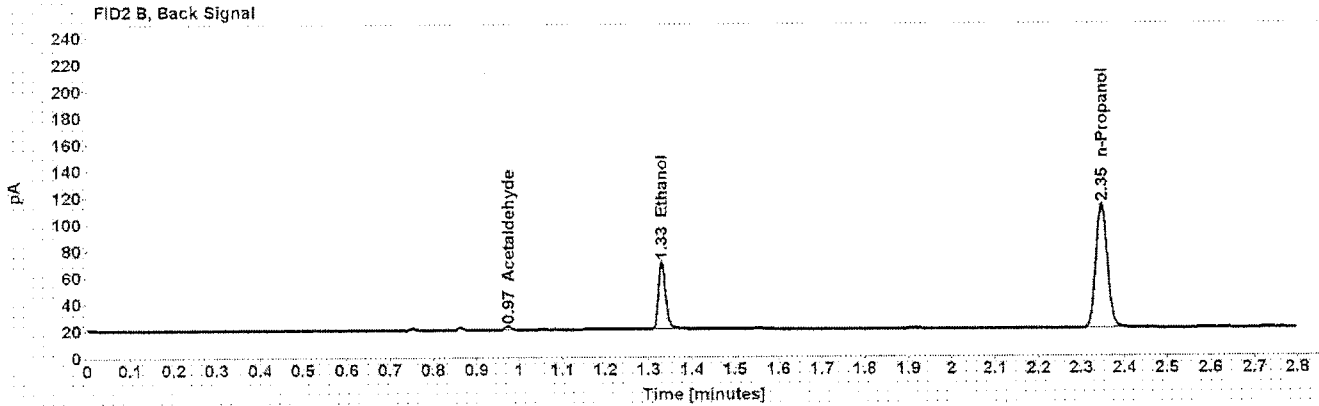
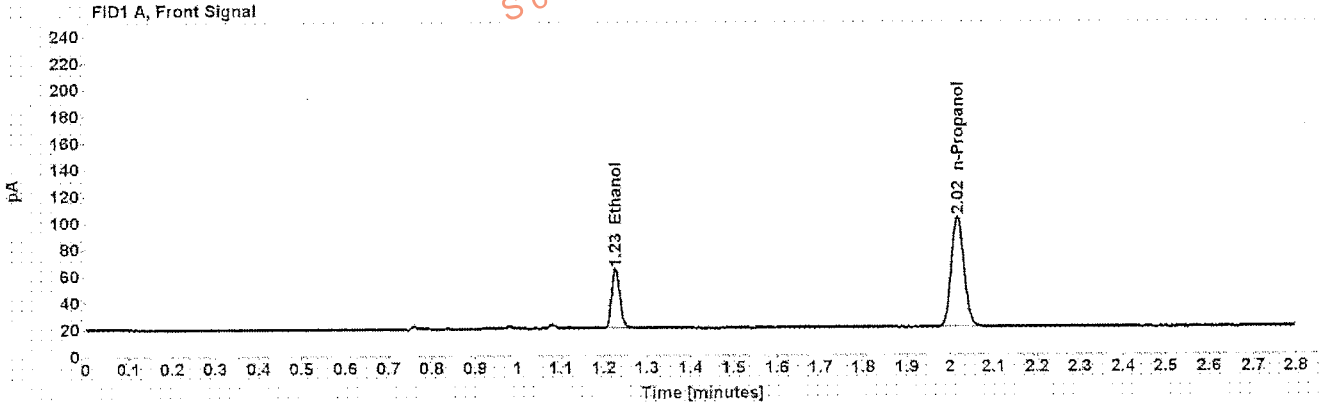


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0980	1.227	57.642
n-Propanol	-----	2.018	169.075

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.828
Ethanol	1.330	58.478
n-Propanol	2.346	172.584

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1064607
Injection date: 7/27/2016 3:57:37 PM	Vial: 26
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\26.D	

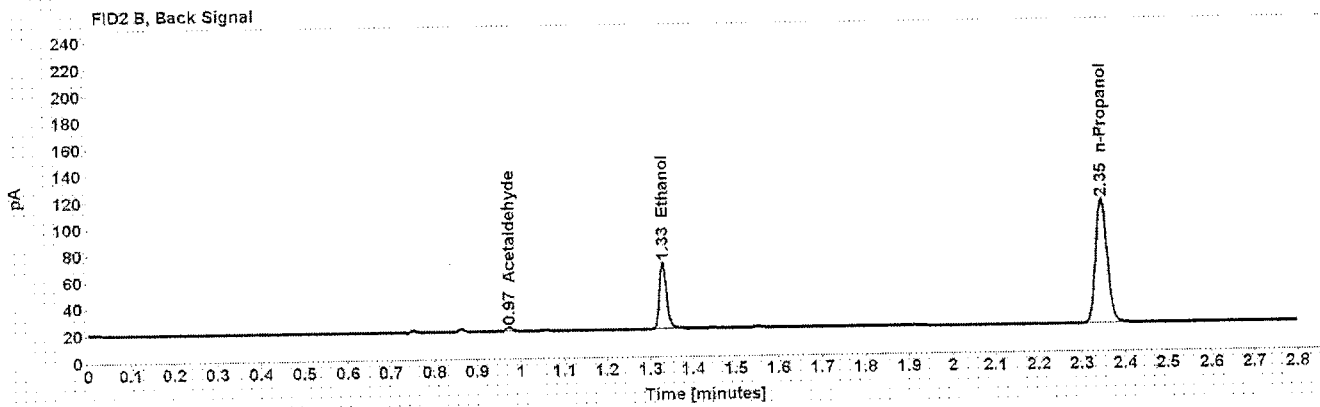
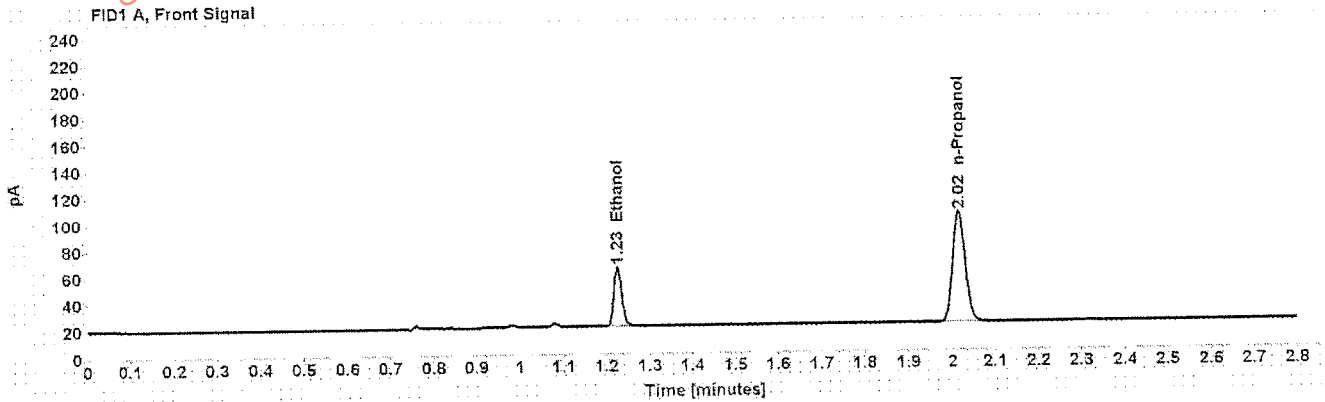


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0976	1.227	57.609
n-Propanol	-----	2.017	169.742

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.860
Ethanol	1.329	58.650
n-Propanol	2.346	173.457

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1068027
 Injection date: 7/27/2016 4:01:37 PM Vial: 27
 Method: ethanol quant M Sequence: 27Jul16
 Instrument: US14173023 CN14160045 Analyst: Langan
 Data file: C:\Chem3211\Data\27Jul16\27.D

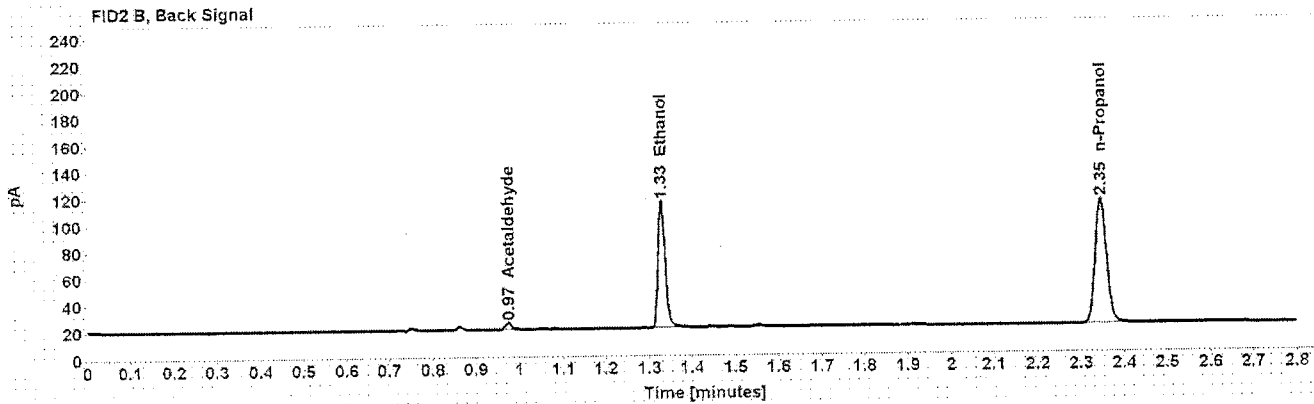
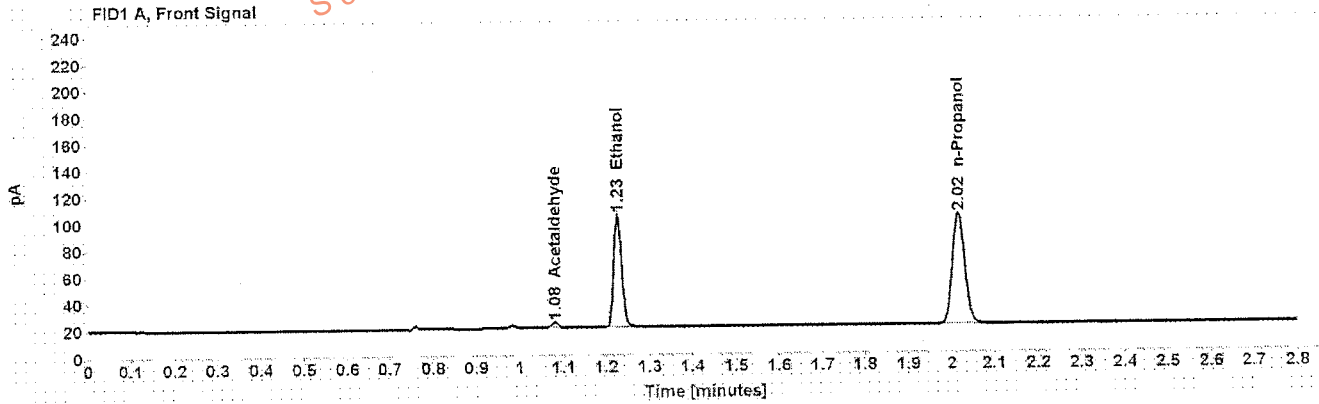


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.535
>Ethanol	0.1825	1.227	108.898
n-Propanol	-----	2.017	170.582

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.695
Ethanol	1.329	110.958
n-Propanol	2.346	173.235

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1068027
Injection date: 7/27/2016 4:05:38 PM	Vial: 28
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\27Jul16\28.D	

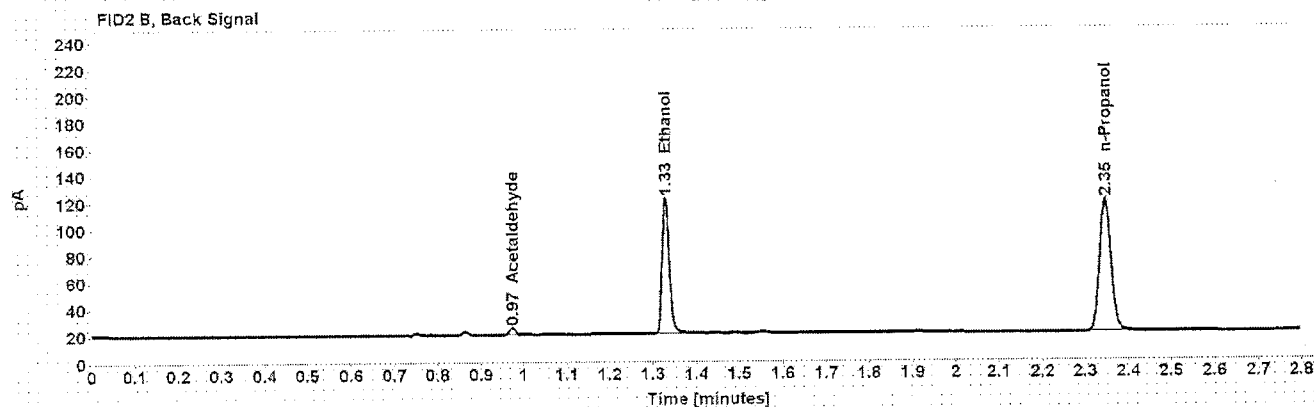
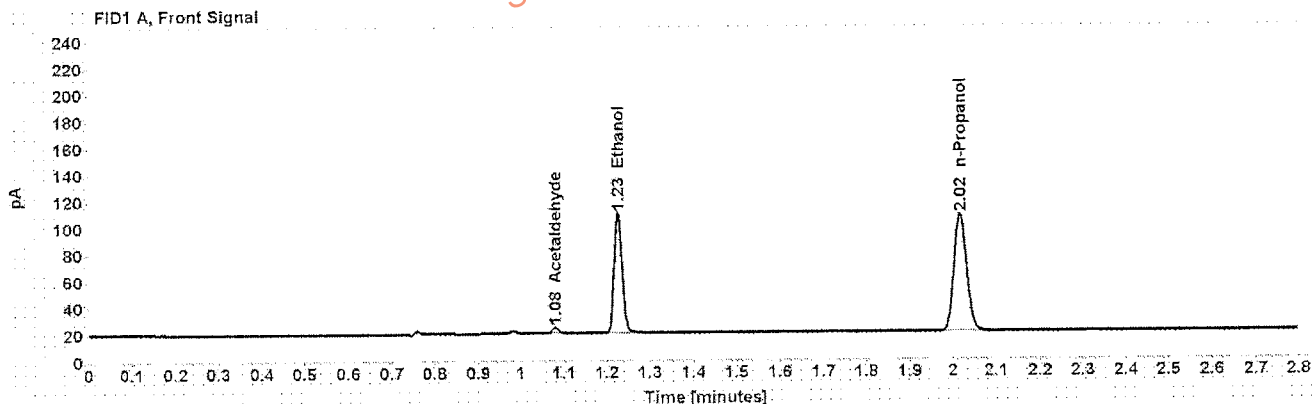


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.791
>Ethanol	0.1847	1.227	116.503
n-Propanol	-----	2.017	180.288

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.944
Ethanol	1.329	118.568
n-Propanol	2.346	184.492

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1066424
Injection date: 7/27/2016 4:09:38 PM	Vial: 29
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\29.D	

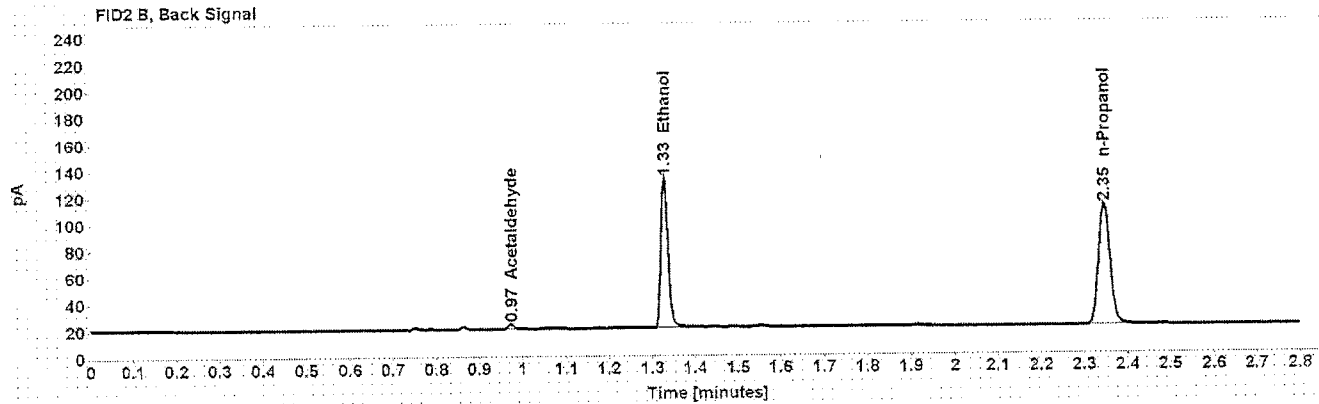
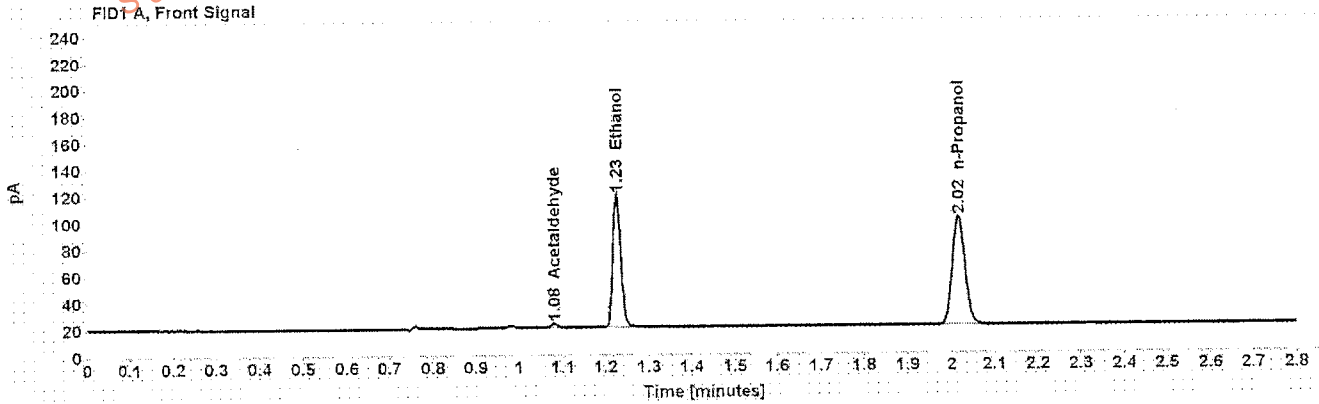


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.261
>Ethanol	0.2219	1.226	128.652
n-Propanol	-----	2.017	165.572

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.396
Ethanol	1.328	131.042
n-Propanol	2.346	169.057

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1066424
Injection date:	7/27/2016 4:13:38 PM	Vial:	30
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem\3211\Data\27Jul16\30.D		

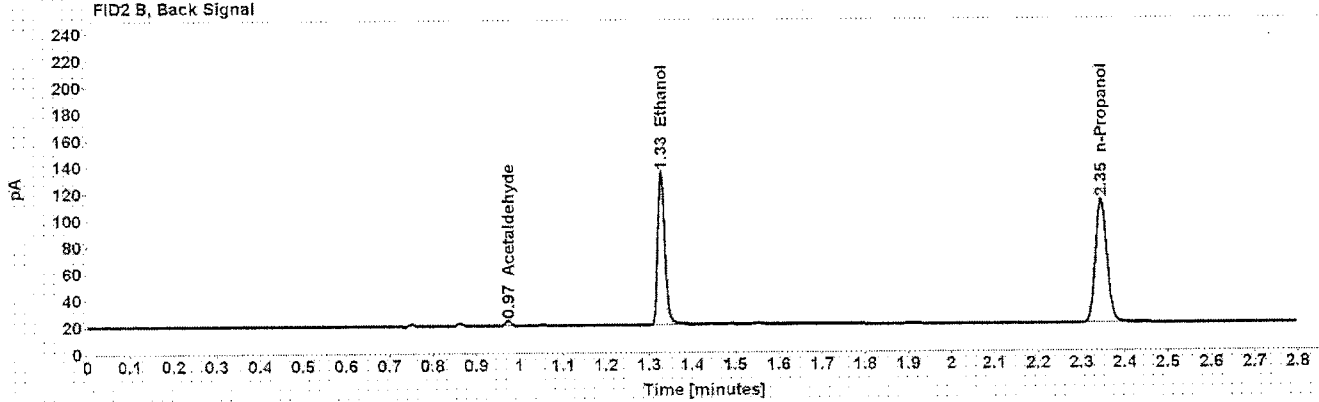
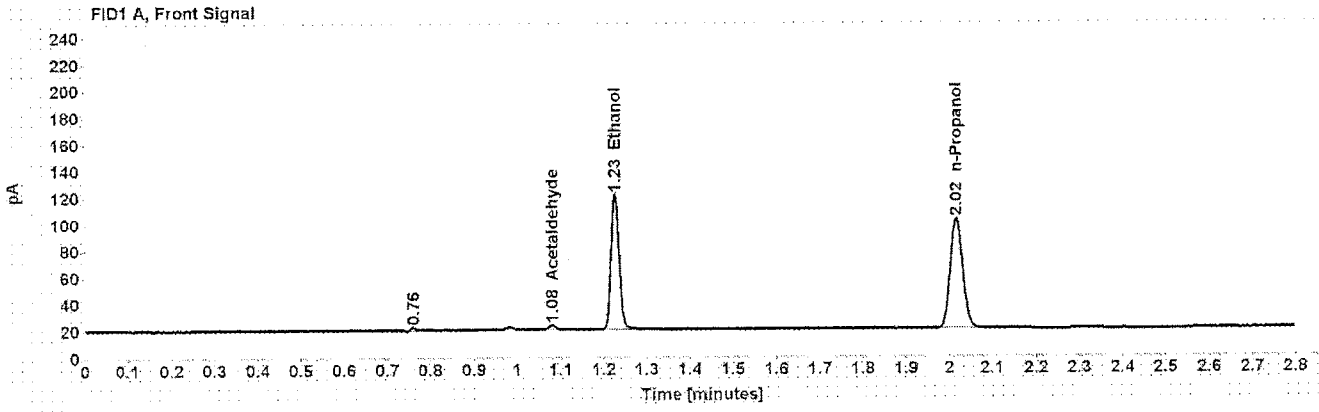


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.311
>Ethanol	0.2221	1.226	131.542
n-Propanol	-----	2.017	169.132

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.484
Ethanol	1.328	133.750
n-Propanol	2.345	172.493

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1095132
 Injection date: 7/27/2016 4:21:53 PM Vial: 32
 Method: ethanol quant.M Sequence: 27Jul16
 Instrument: US14173023 CN14160045 Analyst: Langan
 Data file: C:\Chem32\1\Data\27Jul16\32.D

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 Scottsdale City Prosecutor

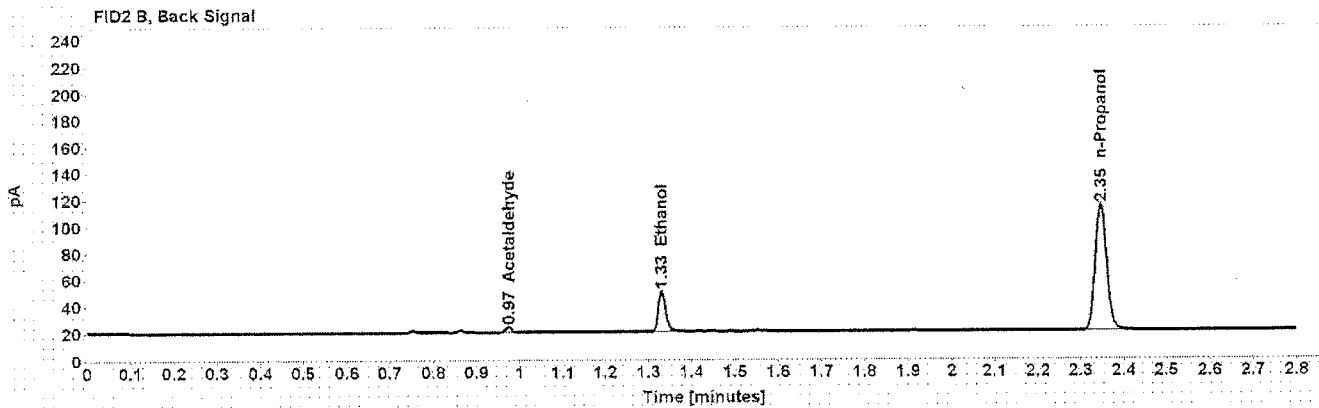
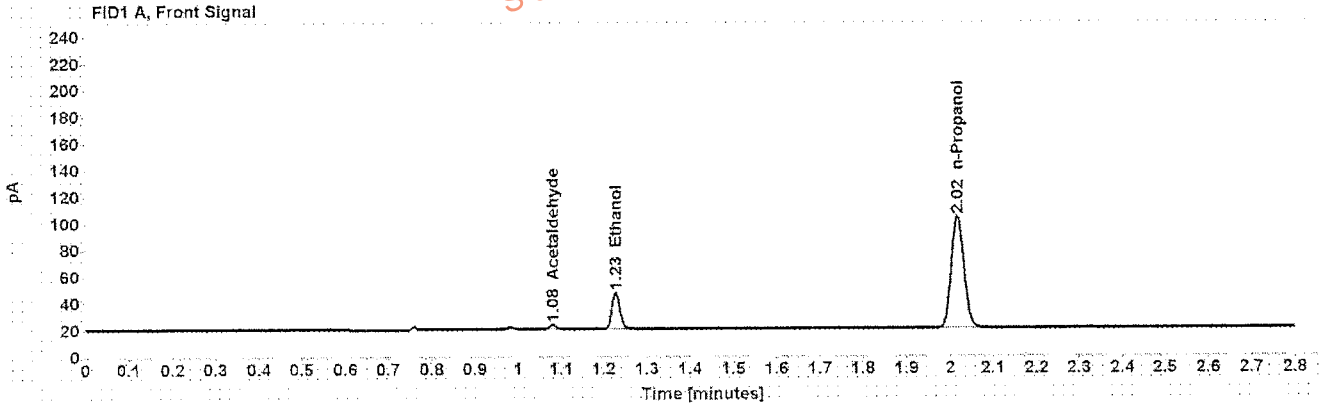


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.658
>Ethanol	0.0599	1.228	35.406
n-Propanol	-----	2.018	171.158

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.726
Ethanol	1.331	36.369
n-Propanol	2.347	174.806

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1095132
Injection date: 7/27/2016 4:25:53 PM	Vial: 33
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\27Jul16\33.D	

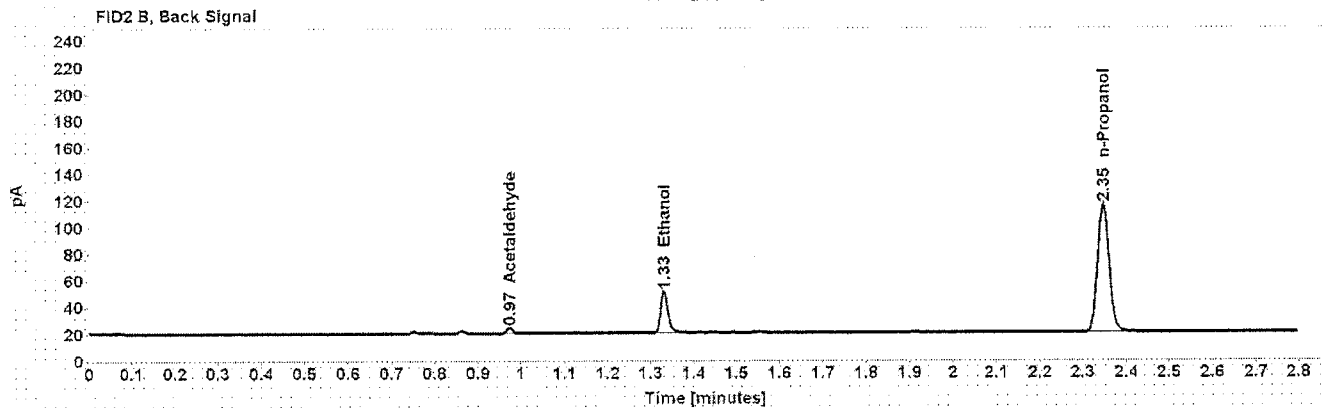
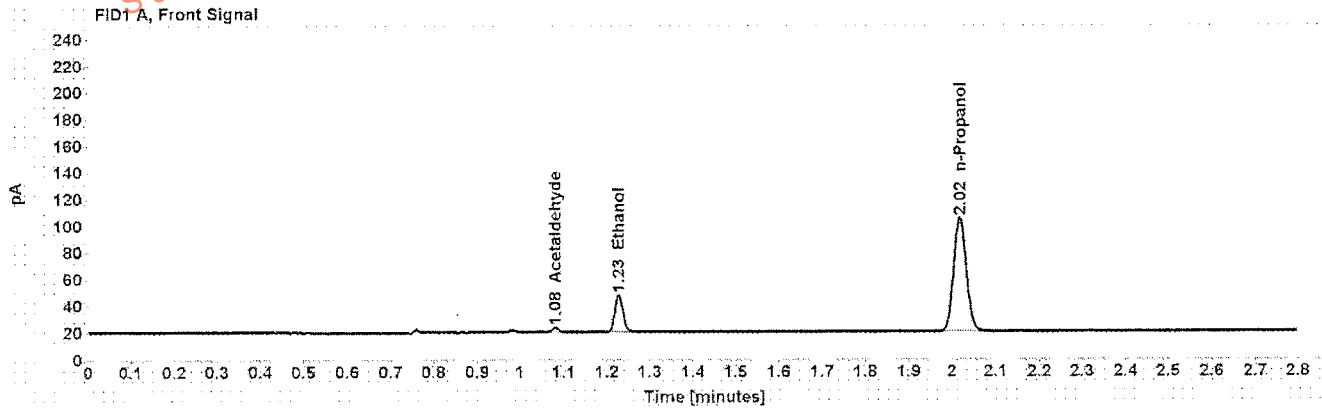


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.558
>Ethanol	0.0600	1.228	36.105
n-Propanol	-----	2.018	174.217

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.657
Ethanol	1.331	37.149
n-Propanol	2.347	178.160

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1098621
Injection date:	7/27/2016 4:29:53 PM	Vial:	34
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\27Jul16\34.D		

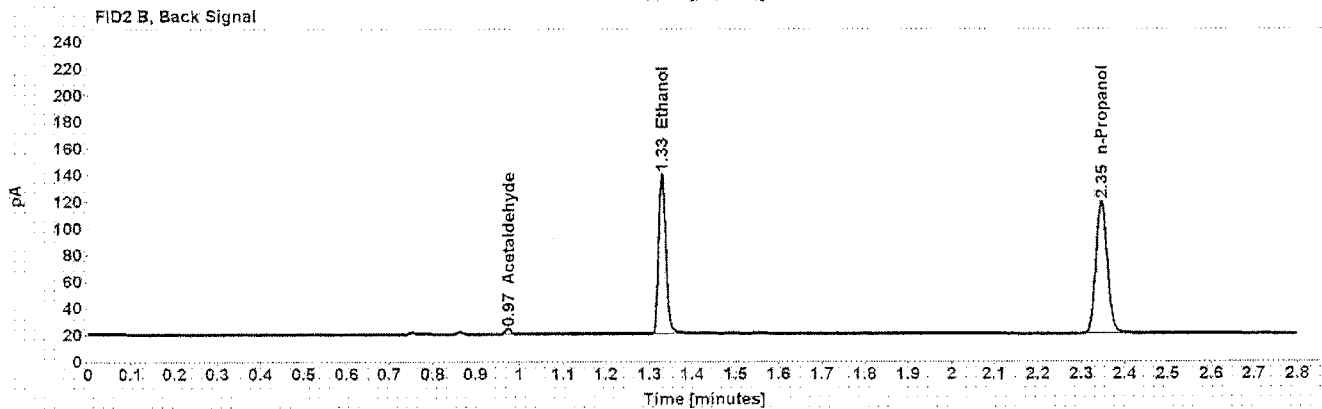
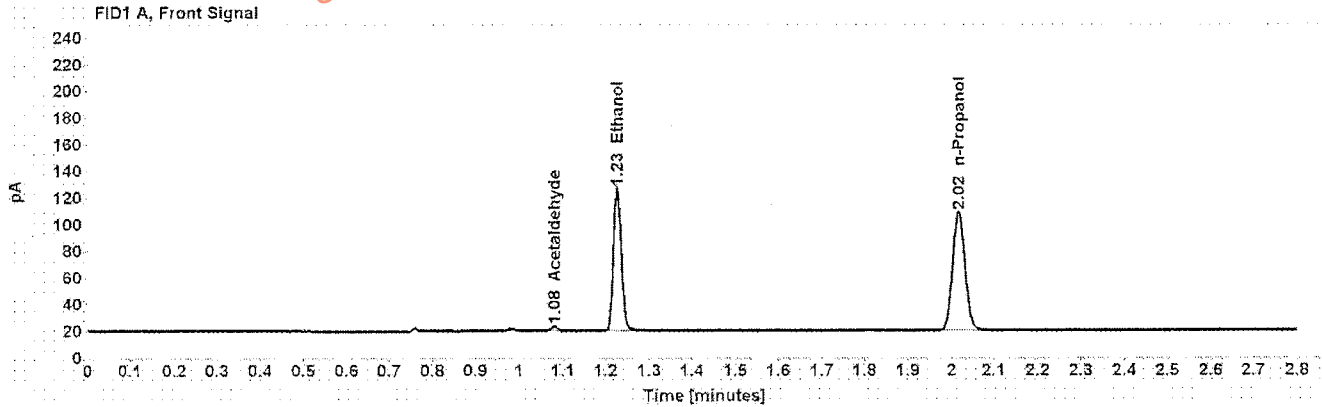


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.521
>Ethanol	0.2165	1.227	137.681
n-Propanol	-----	2.017	181.660

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.669
Ethanol	1.329	140.181
n-Propanol	2.346	185.517

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1098621
Injection date:	7/27/2016 4:33:53 PM	Vial:	35
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\27Jul16\35.D		

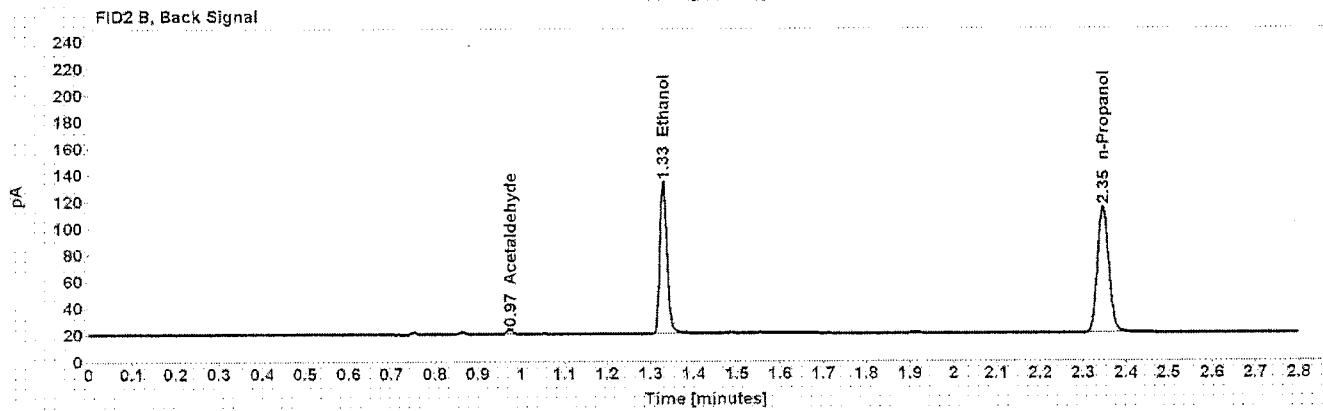
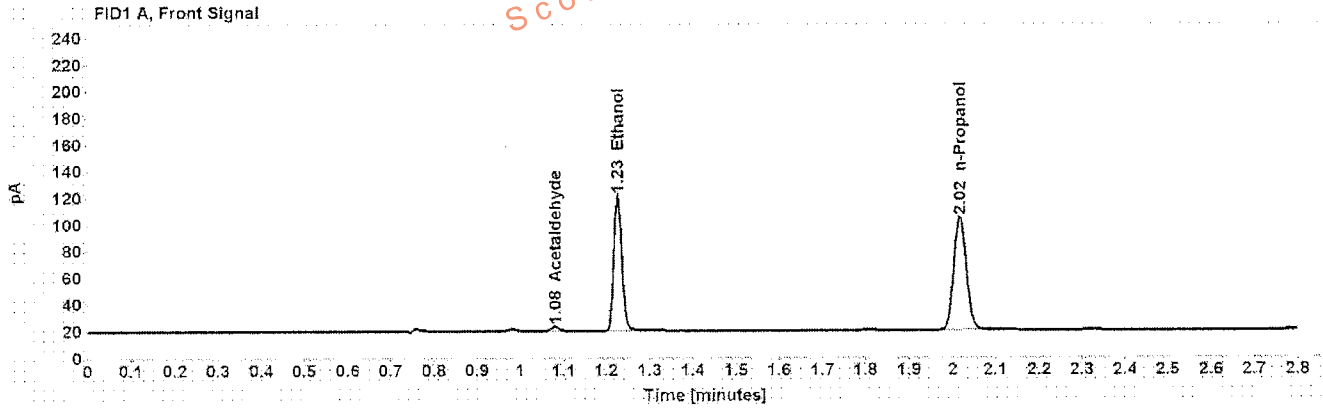


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.424
>Ethanol	0.2161	1.227	130.951
n-Propanol	-----	2.017	173.115

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.601
Ethanol	1.329	133.275
n-Propanol	2.346	176.415

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1098391
Injection date: 7/27/2016 4:37:53 PM	Vial: 36
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\27Jul16\36.D	

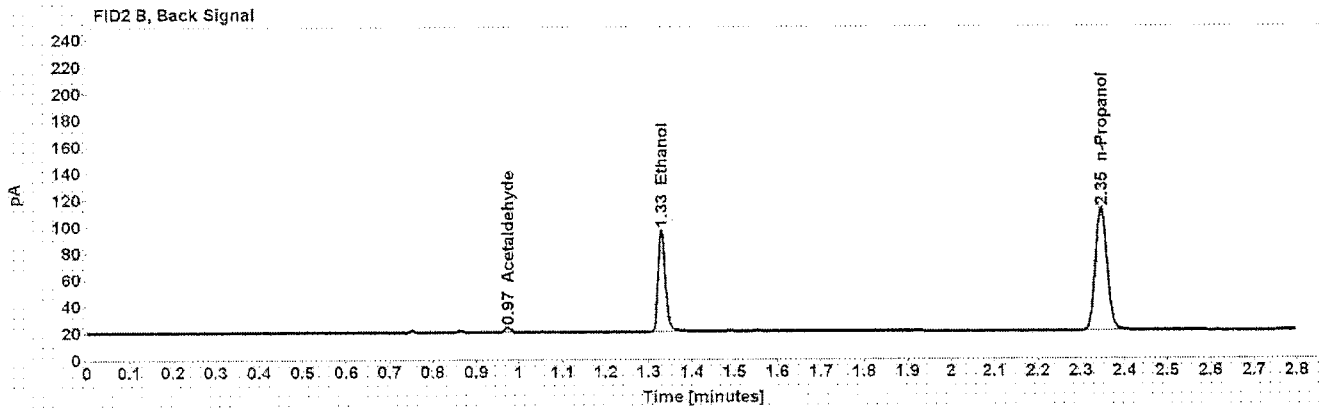
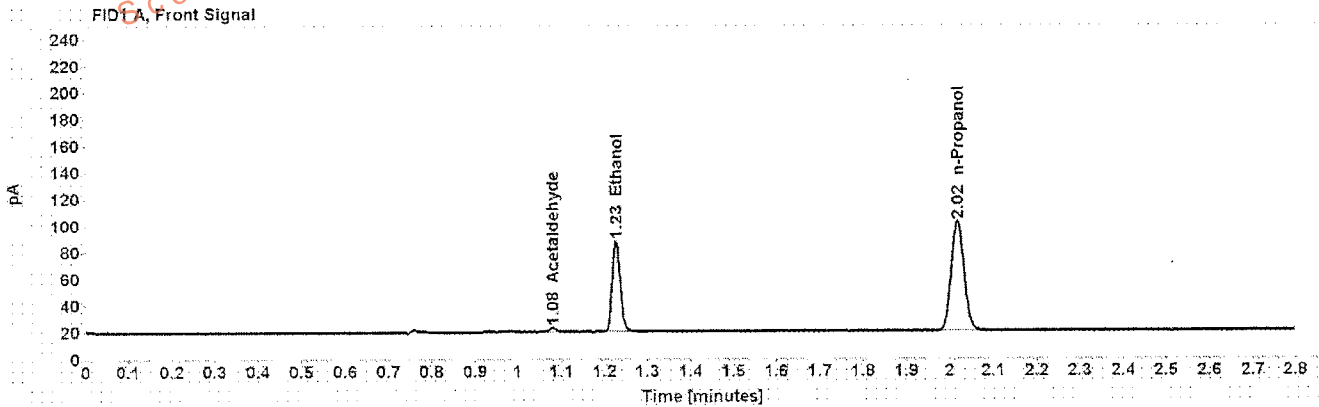


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.324
>Ethanol	0.1497	1.227	87.959
n-Propanol	-----	2.017	168.170

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.415
Ethanol	1.329	89.433
n-Propanol	2.346	171.283

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1098391
Injection date:	7/27/2016 4:42:08 PM	Vial:	37
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\27Jul16\37.D		

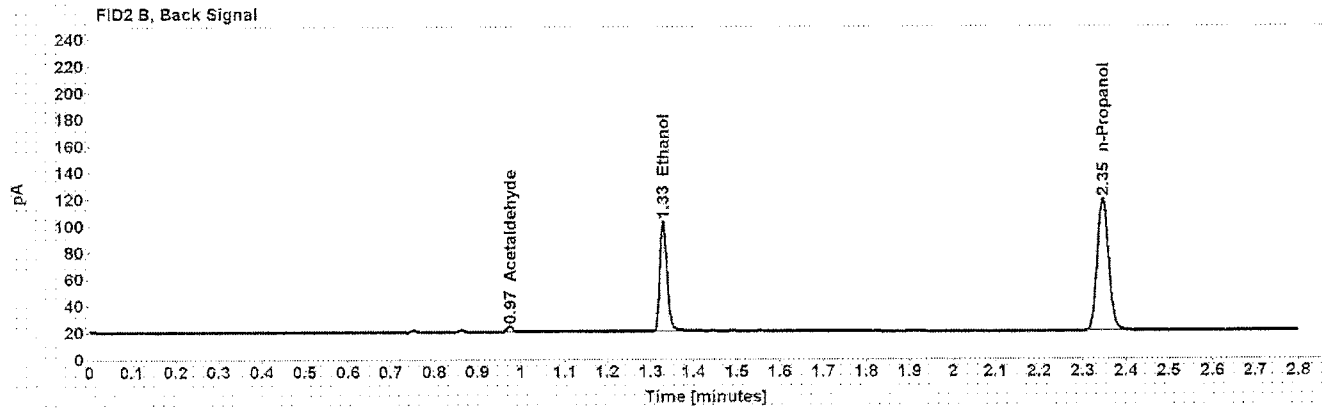
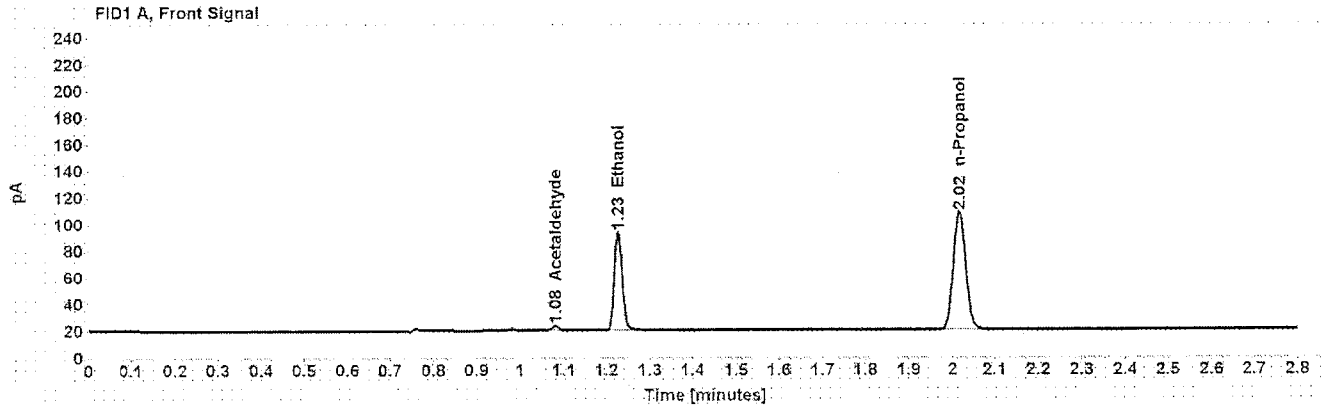


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.574
>Ethanol	0.1506	1.227	95.047
n-Propanol	-----	2.017	180.678

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.779
Ethanol	1.329	96.937
n-Propanol	2.346	184.231

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1097947
Injection date: 7/27/2016 4:46:08 PM	Vial: 38
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
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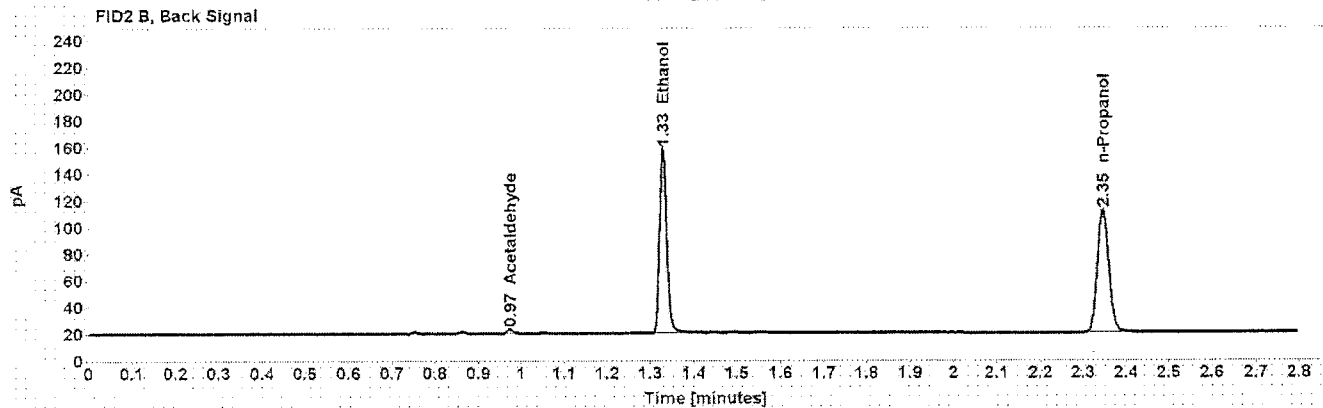
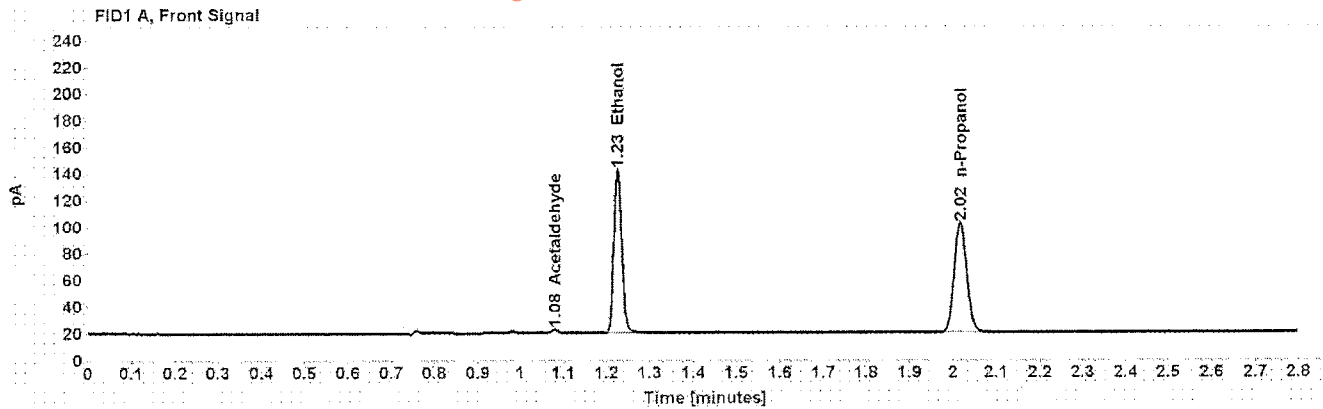


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.864
>Ethanol	0.2681	1.227	158.047
n-Propanol	-----	2.017	168.184

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.970
Ethanol	1.329	161.002
n-Propanol	2.346	171.550

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1097947
Injection date: 7/27/2016 4:50:08 PM	Vial: 39
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\39.D	

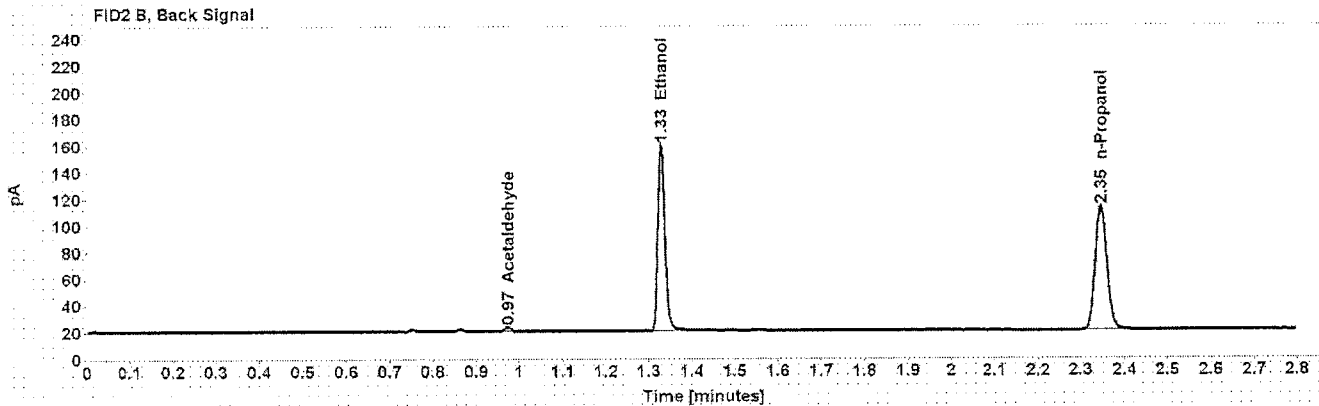
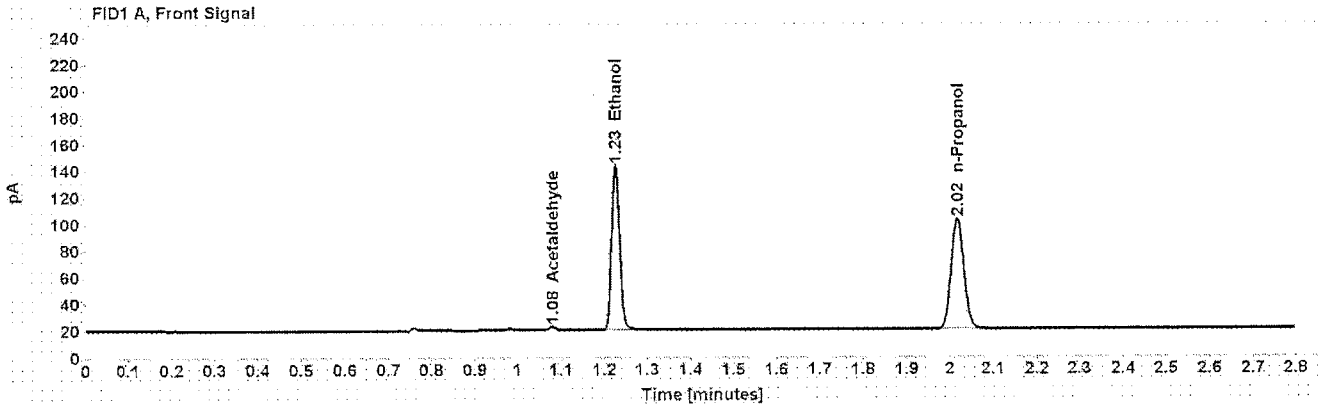


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.846
>Ethanol	0.2683	1.227	159.573
n-Propanol	-----	2.017	169.723

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.964
Ethanol	1.329	162.506
n-Propanol	2.346	173.071

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1102911
Injection date:	7/27/2016 4:54:08 PM	Vial:	40
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\27Jul16\40.D		

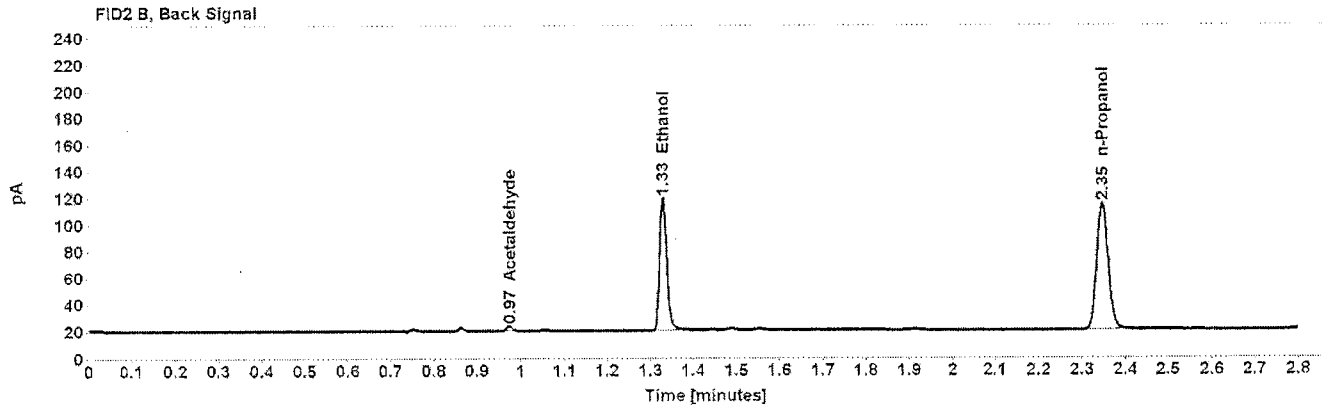
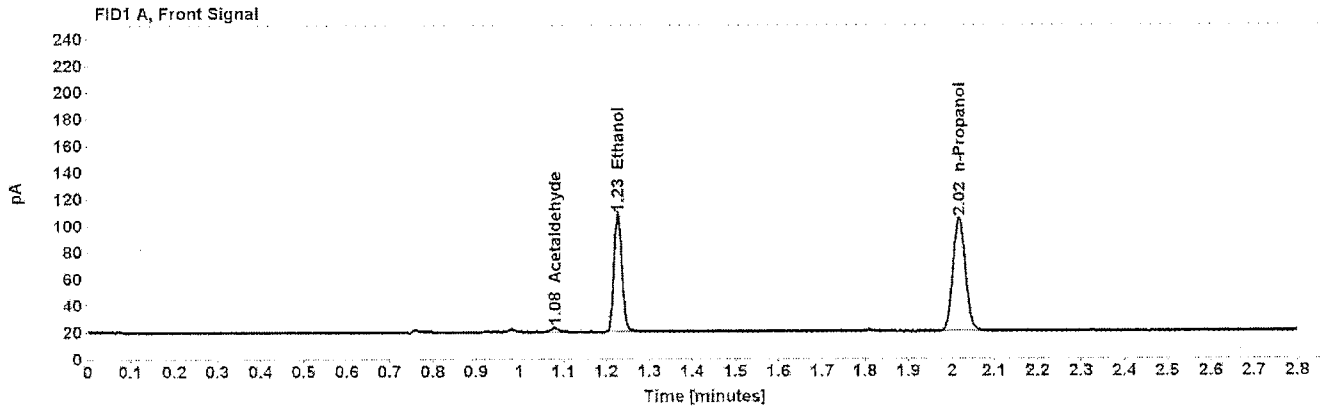


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.228
>Ethanol	0.1886	1.227	114.291
n-Propanol	-----	2.018	173.195

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.345
Ethanol	1.329	116.448
n-Propanol	2.347	176.753

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1102911
Injection date: 7/27/2016 4:58:08 PM	Vial: 41
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Instrument: US14173023 CN14160045	Analyst: Langan
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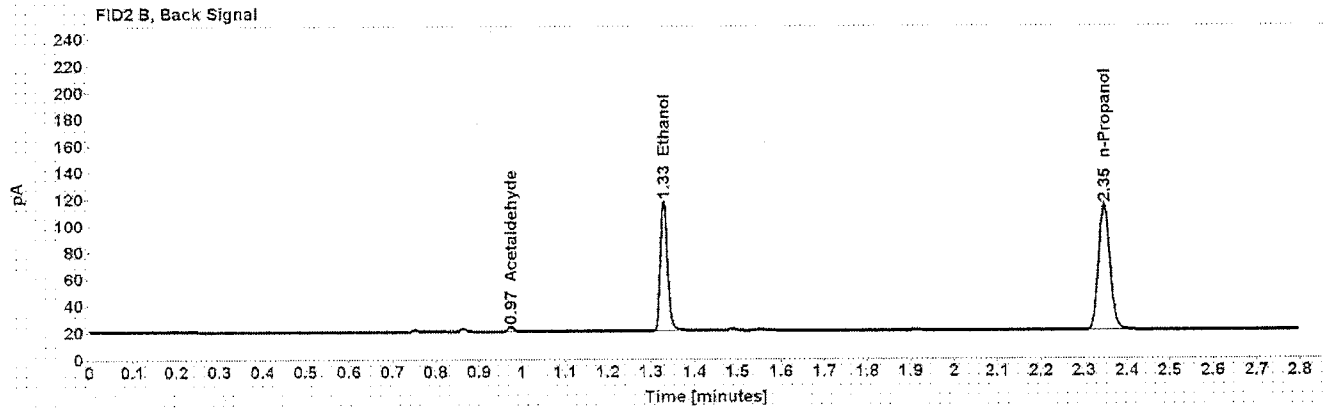
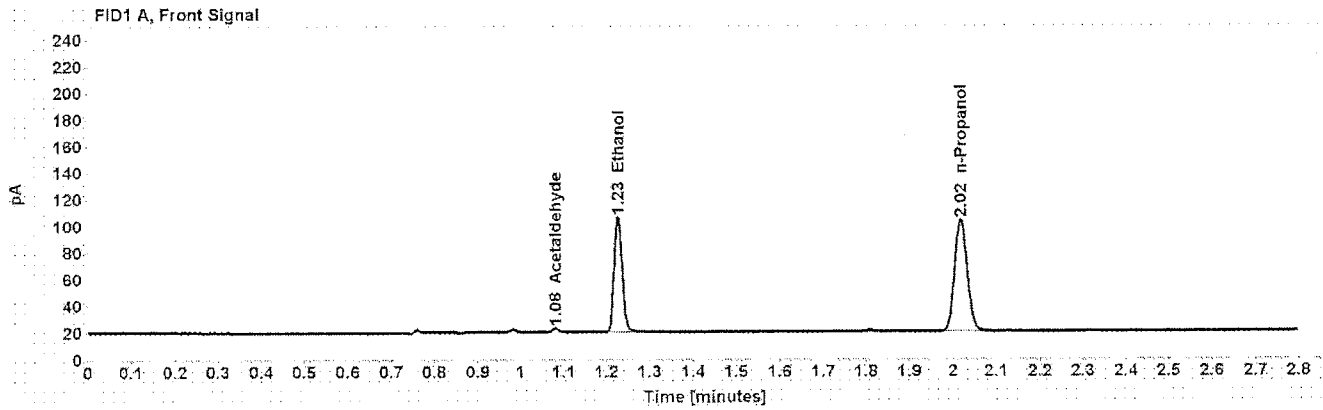


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.110
>Ethanol	0.1870	1.227	111.961
n-Propanol	-----	2.018	171.179

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.262
Ethanol	1.329	113.909
n-Propanol	2.347	174.831

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1101516
Injection date:	7/27/2016 5:06:23 PM	Vial:	43
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
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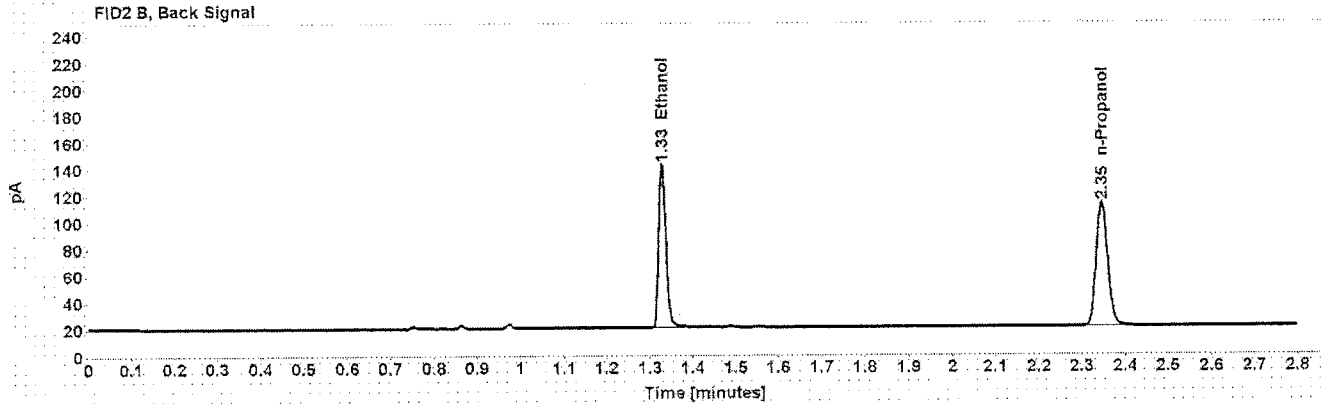
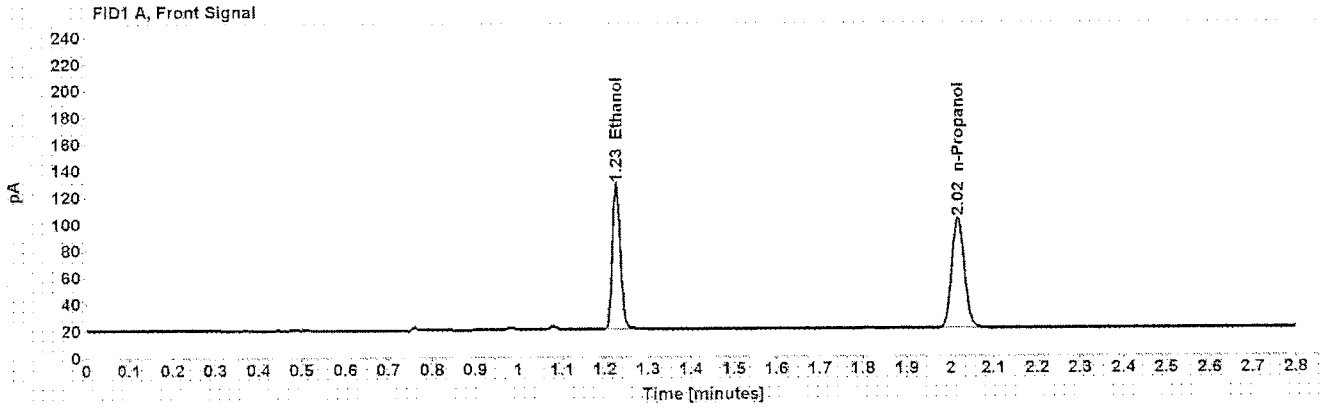


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2375	1.227	140.267
n-Propanol	-----	2.018	168.617

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

Compound	Time (min)	Peak Area
Ethanol	1.329	144.470
n-Propanol	2.346	171.888

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1101516
Injection date:	7/27/2016 5:10:22 PM	Vial:	44
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
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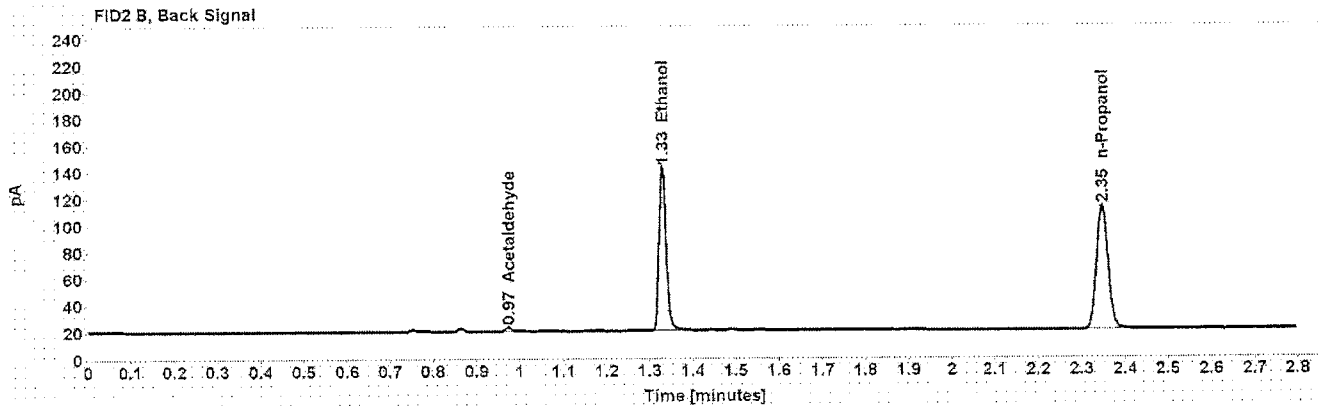
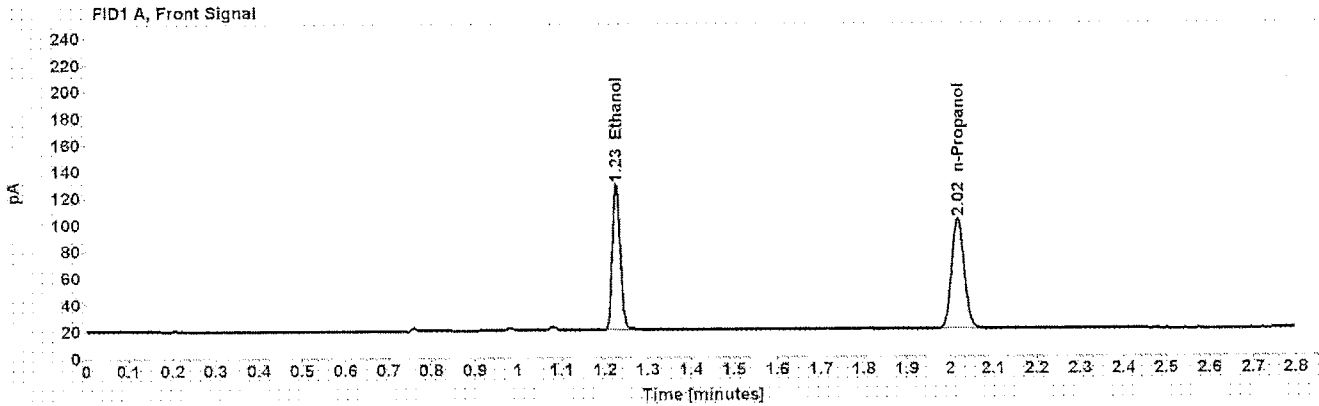


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2379	1.227	140.857
n-Propanol	-----	2.017	169.072

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.878
Ethanol	1.329	143.394
n-Propanol	2.346	172.606

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1101695
Injection date: 7/27/2016 5:14:22 PM	Vial: 45
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\45.D	

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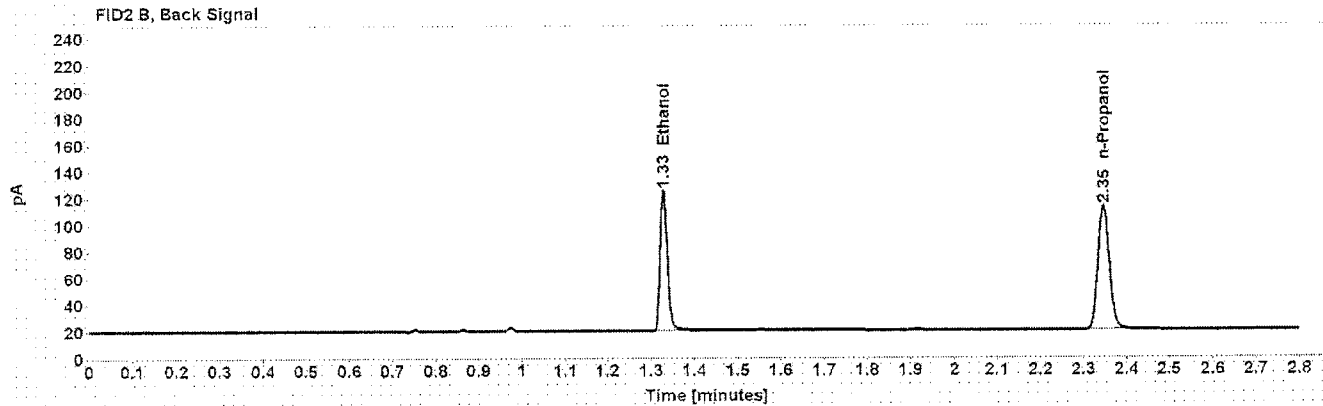
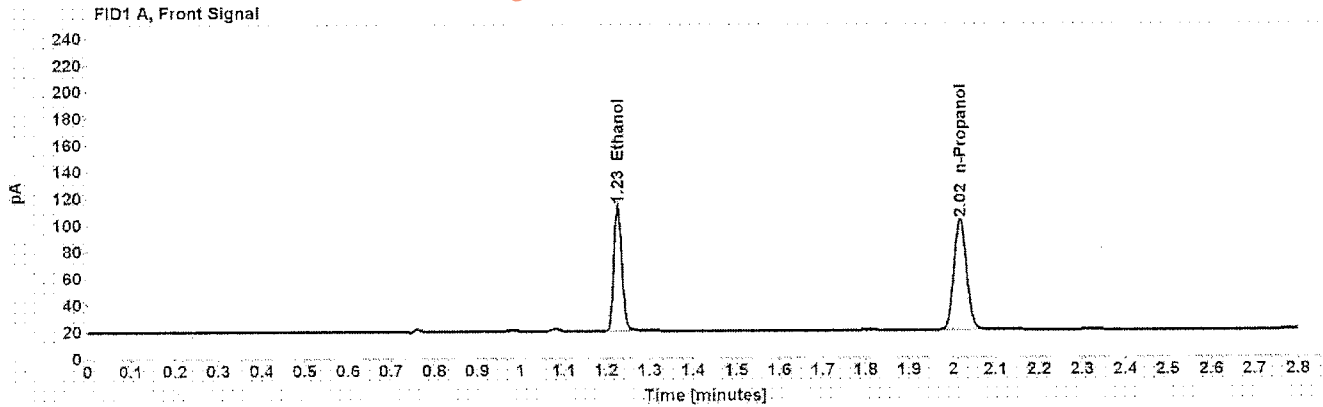


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2039	1.227	120.824
n-Propanol	-----	2.017	169.294

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

Compound	Time (min)	Peak Area
Ethanol	1.329	123.046
n-Propanol	2.346	172.207

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX Injection date: 7/27/2016 5:18:23 PM Method: ethanol quant.M Instrument: US14173023 CN14160045 Data file: C:\Chem321\Data\27Jul16\46.D	Item number: 1101695 Vial: 46 Sequence: 27Jul16 Analyst: Langan
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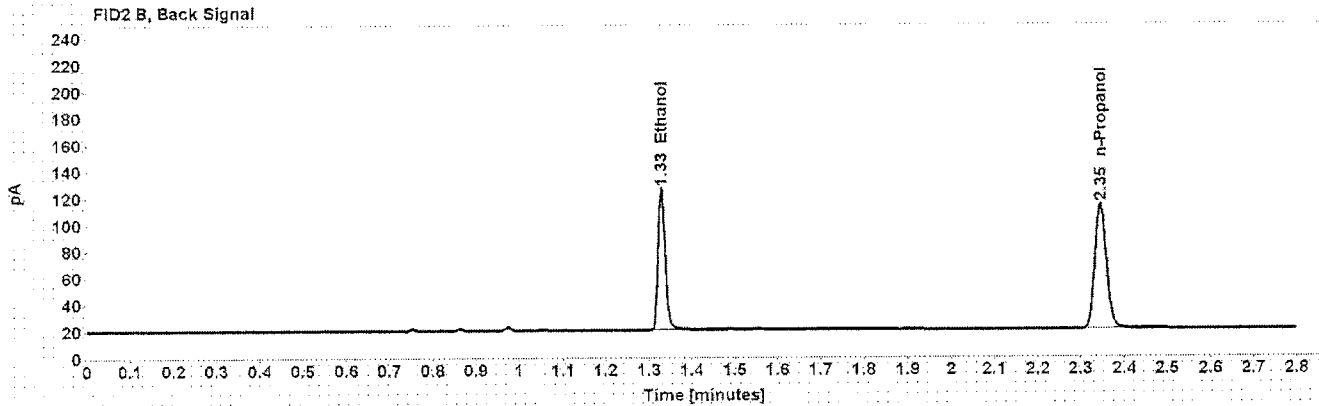
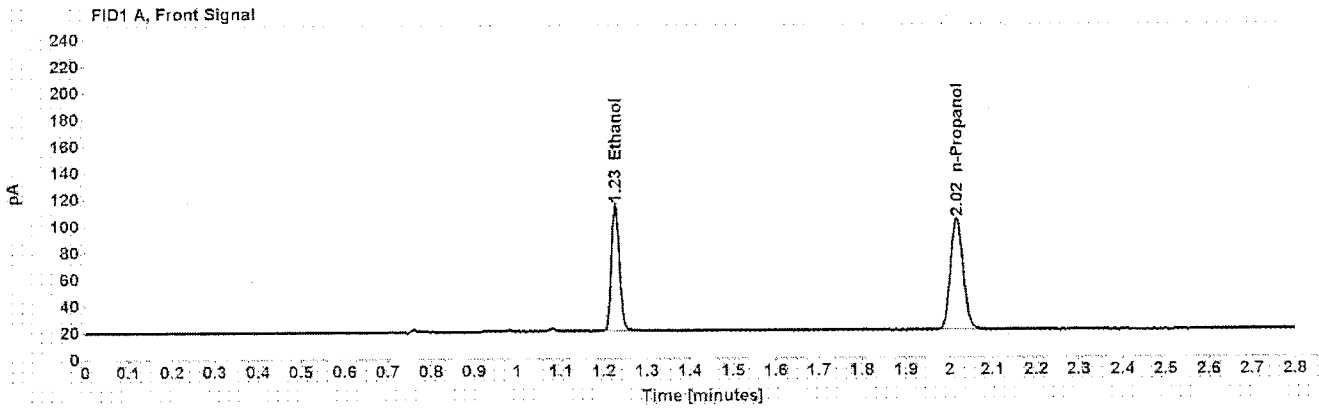


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2041	1.227	122.197
n-Propanol	-----	2.017	171.043

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

Compound	Time (min)	Peak Area
Ethanol	1.329	124.359
n-Propanol	2.346	174.302

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1100800
Injection date: 7/27/2016 5:22:23 PM	Vial: 47
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
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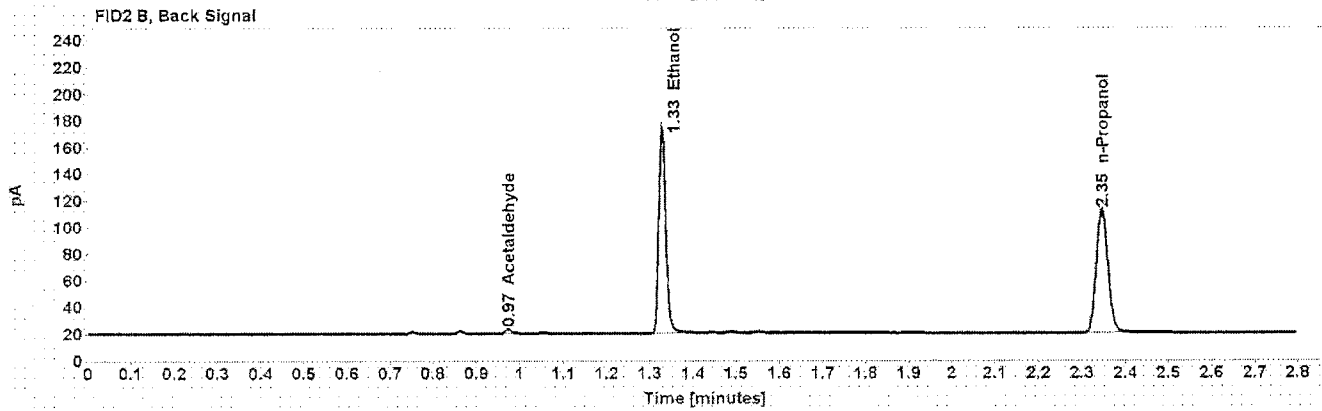
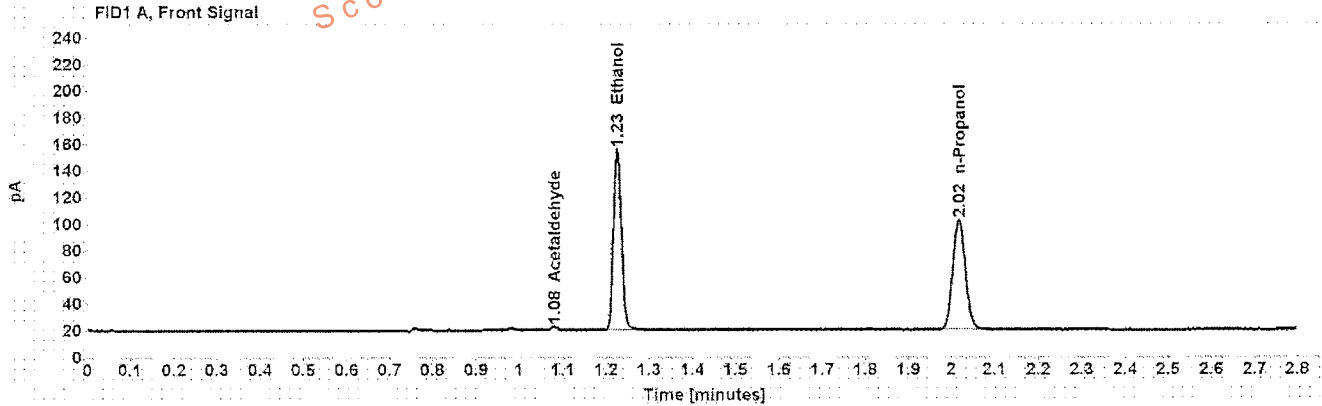


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	2.828
>Ethanol	0.2965	1.226	175.521
n-Propanol	-----	2.017	168.870

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.986
Ethanol	1.329	179.999
n-Propanol	2.346	172.197

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1100800
Injection date: 7/27/2016 5:26:23 PM	Vial: 48
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\27Jul16\48.D	

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Scottsdale City Prosecutor

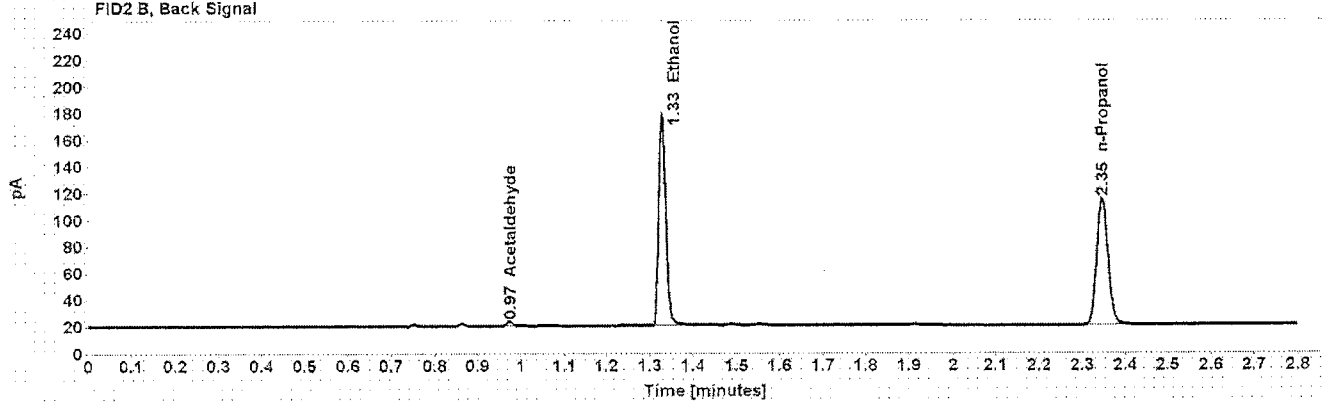
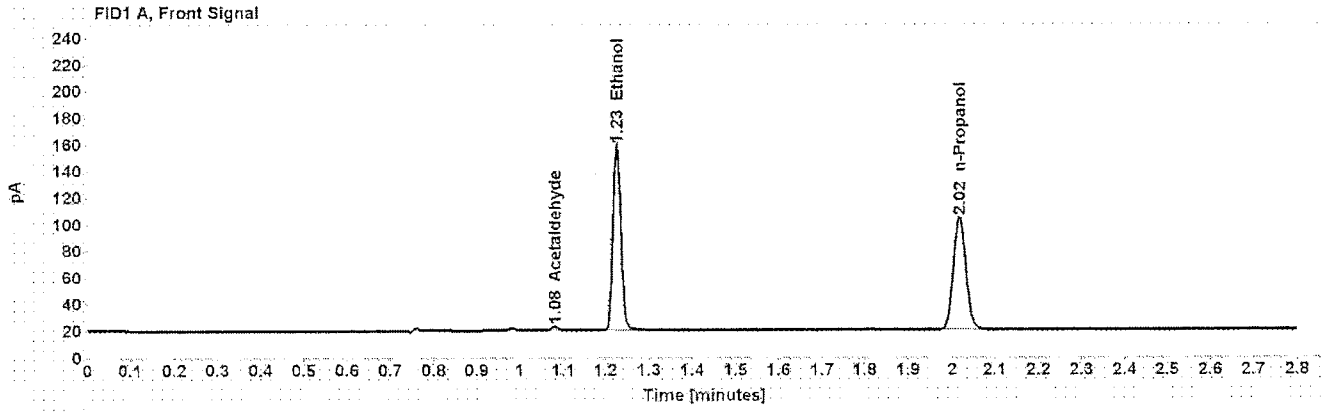


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.058
>Ethanol	0.2974	1.227	179.621
n-Propanol	-----	2.017	172.254

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.180
Ethanol	1.329	184.129
n-Propanol	2.346	175.943

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1098968
Injection date: 7/27/2016 5:30:38 PM	Vial: 49
Method: ethanol quant.M	Sequence: 27Jul16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem321\FData\27Jul16\49.D	

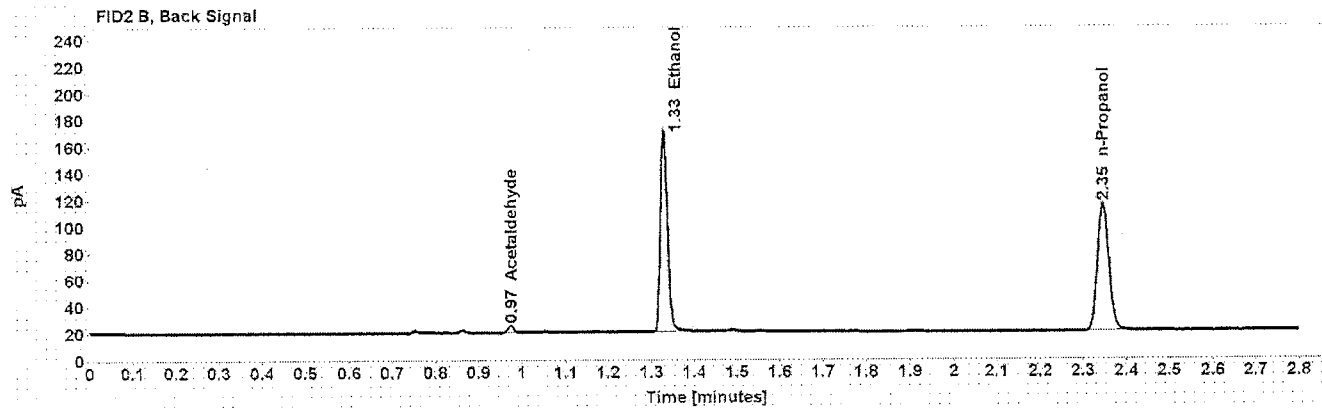
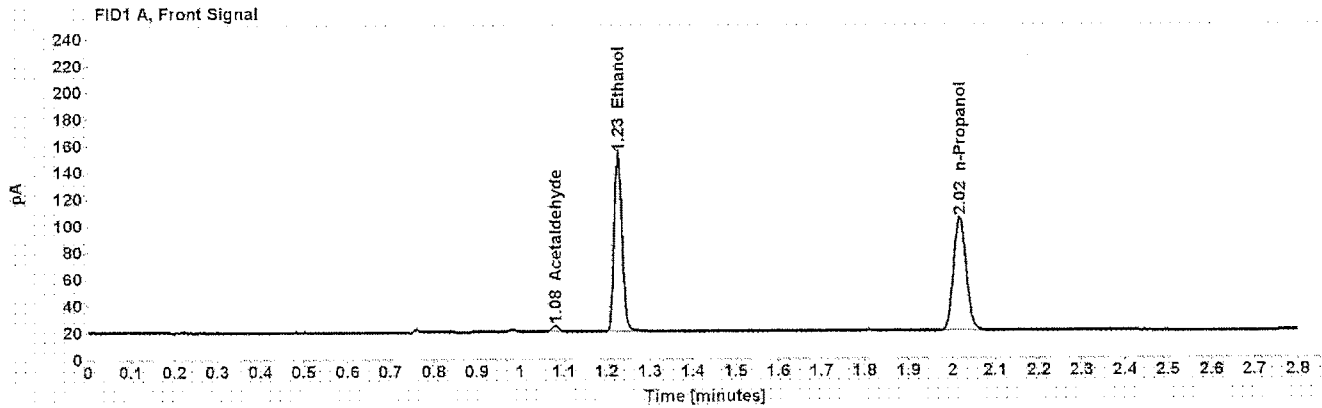


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.867
>Ethanol	0.2820	1.227	171.988
n-Propanol	-----	2.018	173.964

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.058
Ethanol	1.329	175.170
n-Propanol	2.347	177.518

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1098968
Injection date:	7/27/2016 5:34:38 PM	Vial:	50
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem\3211\Data\27Jul16\50.D		

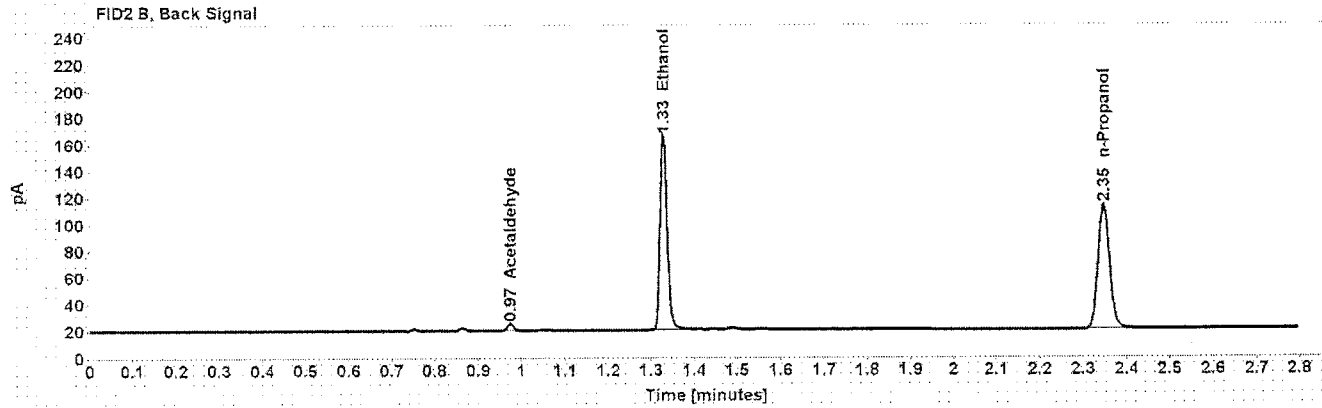
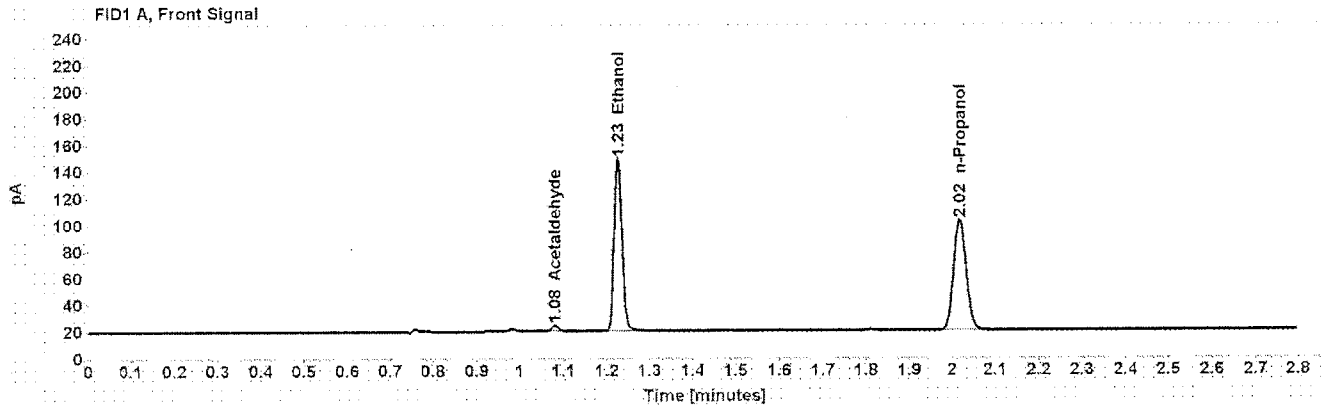


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.785
>Ethanol	0.2804	1.227	166.932
n-Propanol	-----	2.018	169.824

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.017
Ethanol	1.329	169.921
n-Propanol	2.347	173.014

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:		Item number:	1099941
Injection date:	7/27/2016 5:38:38 PM	Vial:	51
Method:	ethanol quant.M	Sequence:	27Jul16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\27Jul16\51.D		

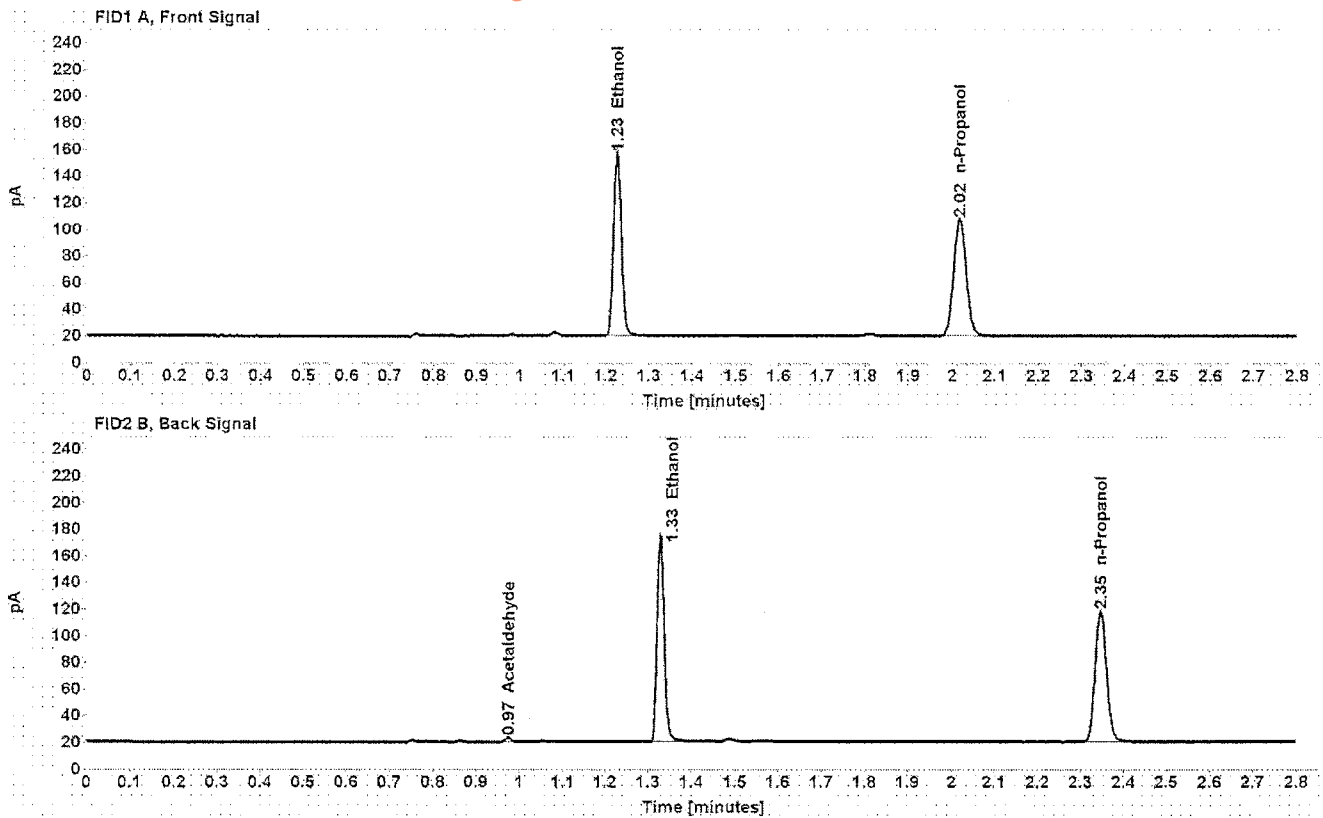


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2822	1.227	176.920
n-Propanol	-----	2.018	178.886

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.884
Ethanol	1.329	180.121
n-Propanol	2.347	182.447

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1099941
 Injection date: 7/27/2016 5:42:38 PM Vial: 52
 Method: ethanol quant.M Sequence: 27Jul16
 Instrument: US14173023 CN14160045 Analyst: Langan
 Data file: C:\Chem32\1\Data\27Jul16\52.D

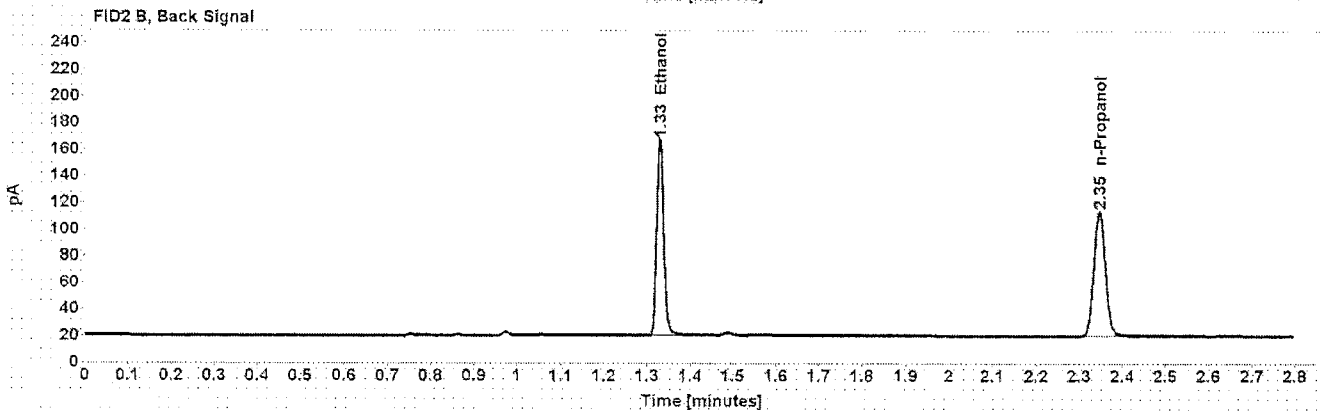
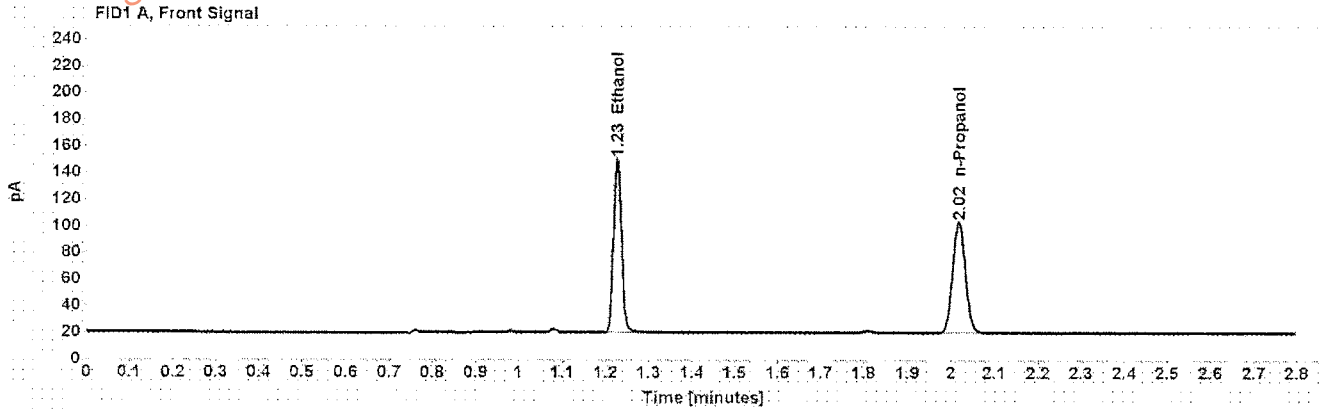


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2813	1.227	168.197
n-Propanol	-----	2.018	170.607

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

Compound	Time (min)	Peak Area
Ethanol	1.329	171.293
n-Propanol	2.347	174.092