

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 08/16/2016 SEQUENCE NAME 16Aug16

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 0.99999
 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	0.398g/dL	Lipomed 05012012-C
8	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
9	blood control	0.200 g/dL	0.200g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.080g/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	0.080 g/dL	0.079g/dL	Lipomed 14112011-A
60	aqueous control	0.400 g/dL	0.404g/dL	Lipomed 05012012-C
61	aqueous control	0.040 g/dL	0.041g/dL	Lipomed 30112011-B
62	blood control	0.200 g/dL	0.203g/dL	ACQ 402101060/6
63	blank	Not detected	Not detected	SPD lab 110215

SUBJECT SAMPLES

Subjects in the sequence 23 Subjects requiring reanalysis 0

ADDITIONAL

NOTES: All testing proceeded as expected.

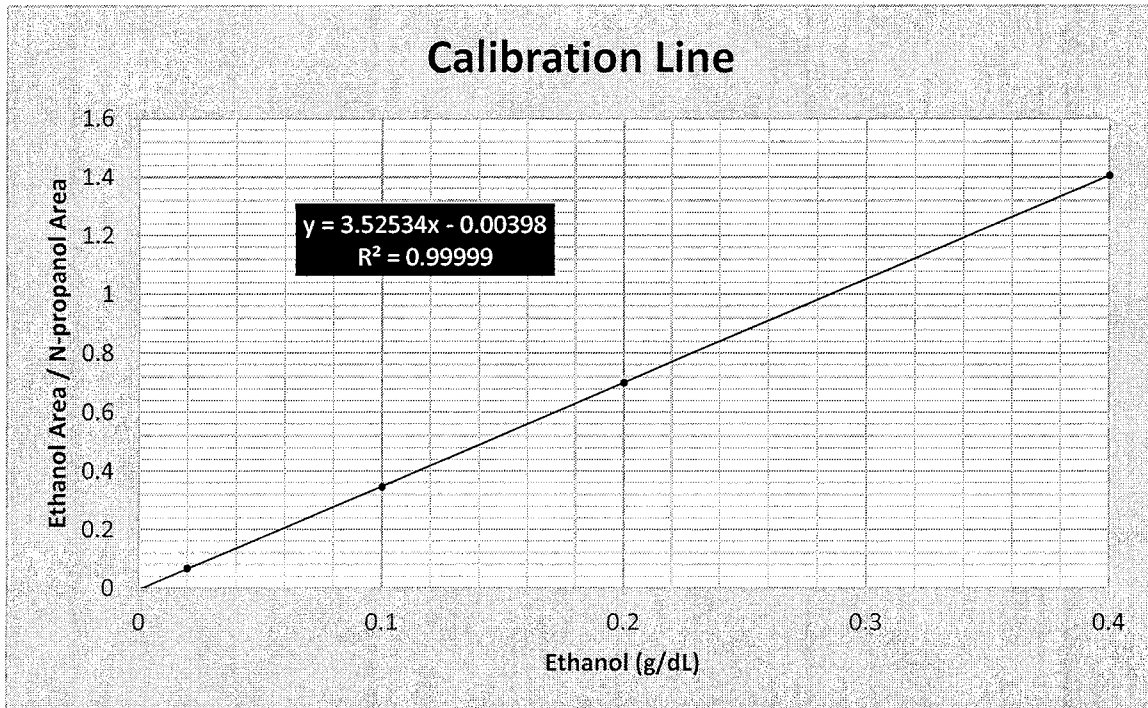
Run valid Run invalid Analyst
 Run valid Run invalid Technical Reviewer

**SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
SEQUENCE QUALITY ASSURANCE SUMMARY**

SEQUENCE NAME: 16Aug16

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	0.200	0.00	0.000
5	20	0.080	0.080	0.00	0.000
6	31	0.150	0.151	0.67	0.001
7	42	0.200	0.203	1.50	0.003
8	53	0.080	0.079	1.25	-0.001
9	60	0.400	0.404	1.00	0.004
10	61	0.040	0.041	2.50	0.001
11	62	0.200	0.203	1.50	0.003
12	63	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	10.685	157.255	0.068
0.100	55.345	159.641	0.347
0.200	108.782	155.137	0.701
0.400	220.065	156.463	1.406



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.02 Cerilliant FN08101401	Item number:
Injection date: 8/16/2016 4:37:48 PM	Vial: 1
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>RL</i>
Data file: C:\Chem32\1\Data\16Aug16\1.D	

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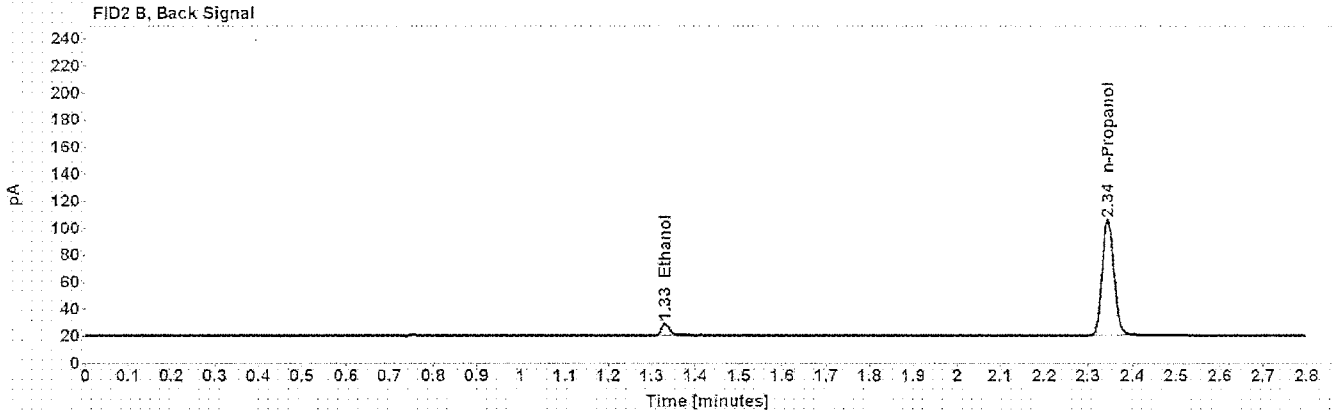
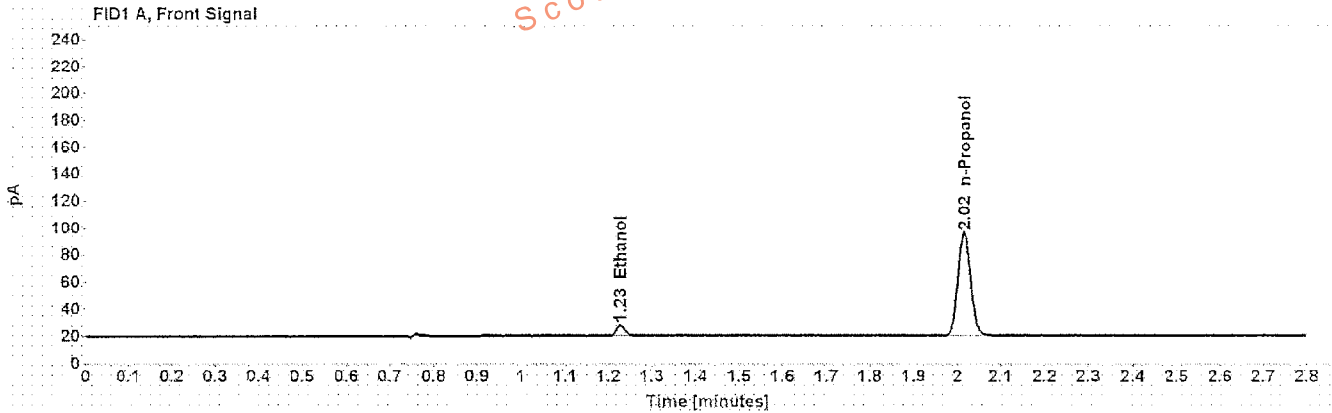


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.227	10.685
n-Propanol	2.016	157.255

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

Compound	Time (min)	Peak Area
Ethanol	1.330	10.750
n-Propanol	2.344	160.048

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.10 Cerilliant FN06181501	Item number:
Injection date: 8/16/2016 4:41:47 PM	Vial: 2
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>fl</i>
Data file: C:\Chem321\1Data\16Aug16\2.D	

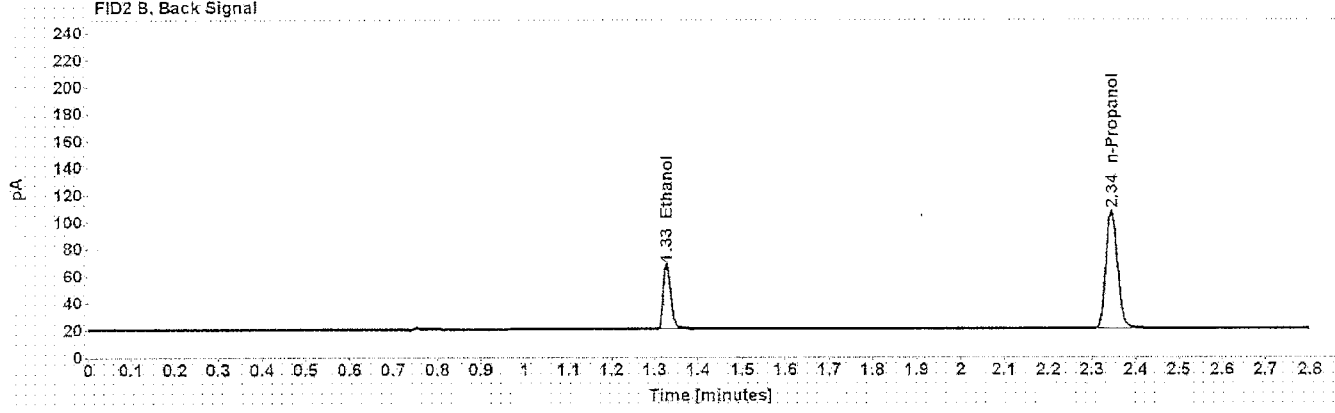
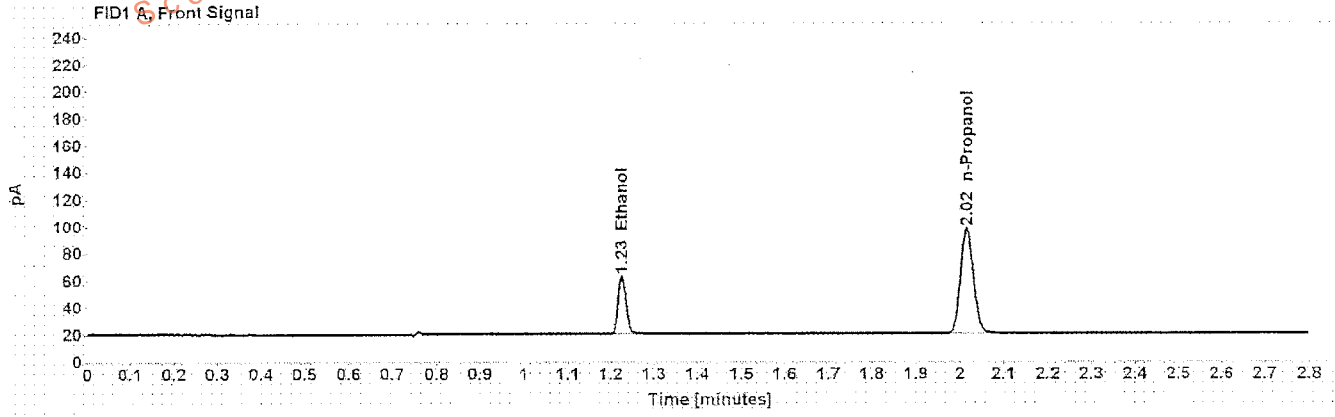


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	55.345
n-Propanol	2.016	159.641

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

Compound	Time (min)	Peak Area
Ethanol	1.328	56.366
n-Propanol	2.345	162.541

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 Cerilliant FN07201502	Item number:
Injection date: 8/16/2016 4:45:49 PM	Vial: 3
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\3.D	

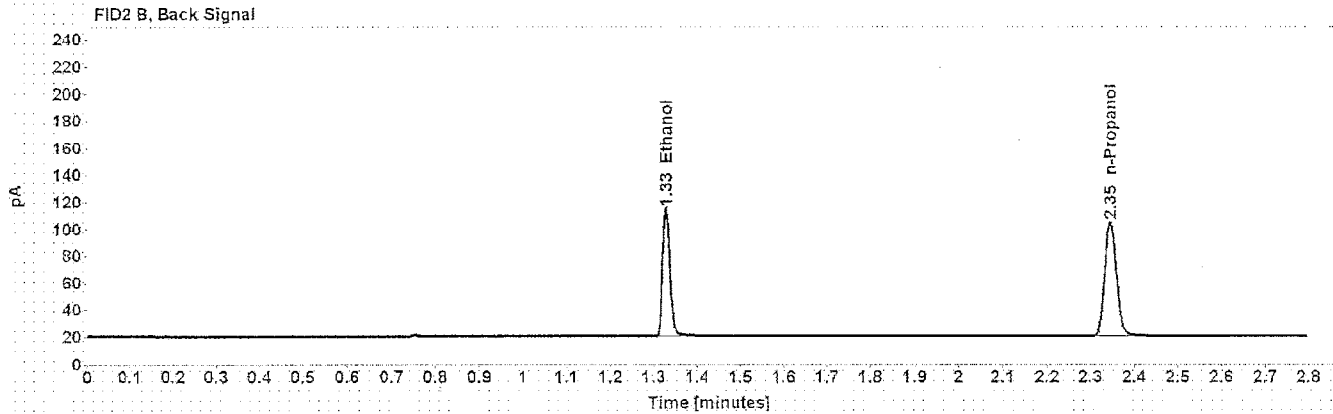
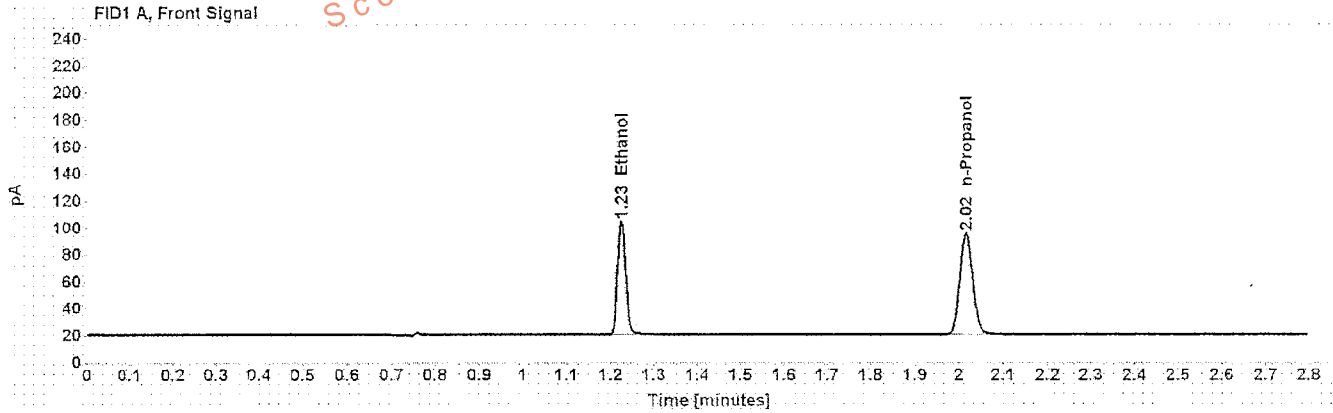


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	108.782
n-Propanol	2.016	155.137

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

Compound	Time (min)	Peak Area
Ethanol	1.328	110.766
n-Propanol	2.345	158.205

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Cerilliant FN11191402	Item number:
Injection date: 8/16/2016 4:49:47 PM	Vial: 4
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\4.D	

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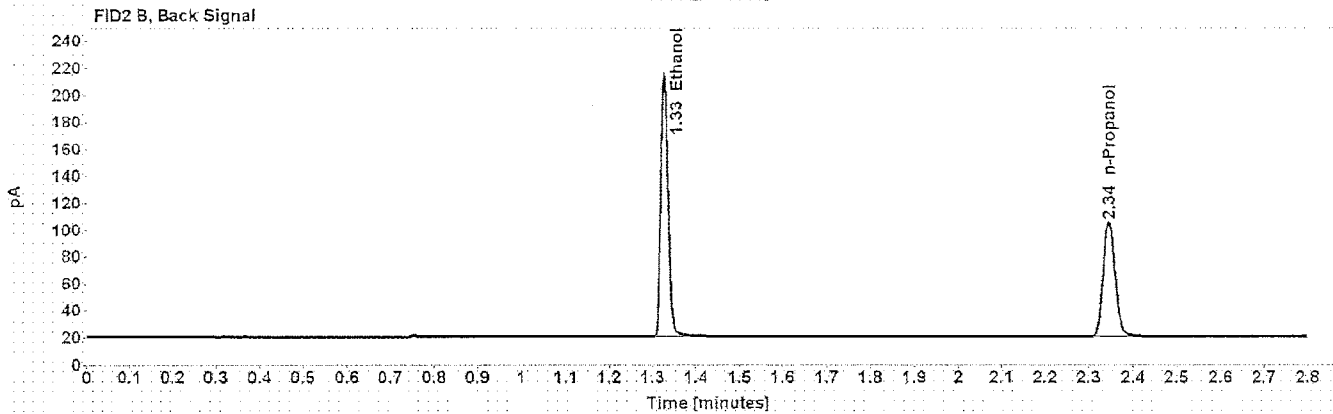
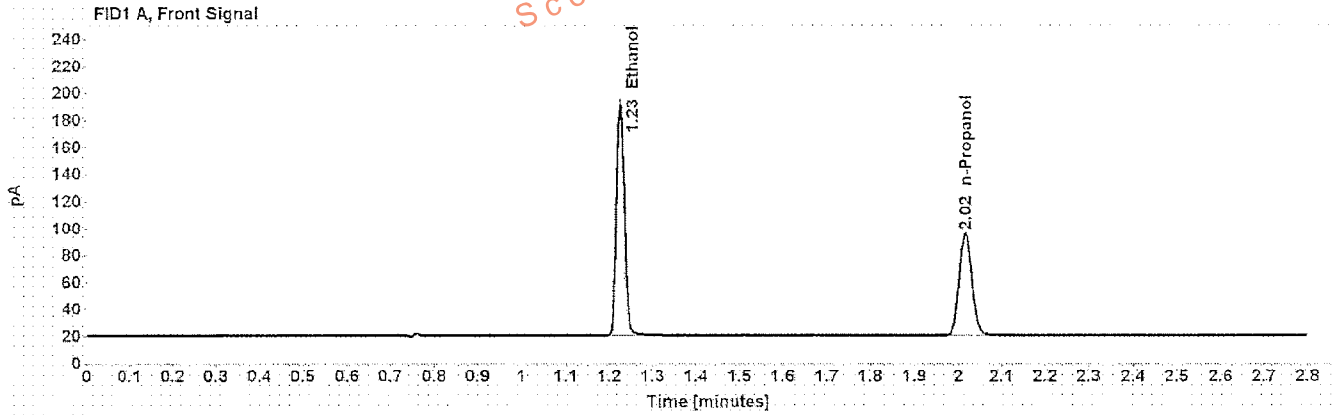


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	220.065
n-Propanol	2.016	156.463

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

Compound	Time (min)	Peak Area
Ethanol	1.327	225.024
n-Propanol	2.345	159.404

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 8/16/2016 4:53:48 PM	Vial: 5
Method: ethanol quant M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\5.D	

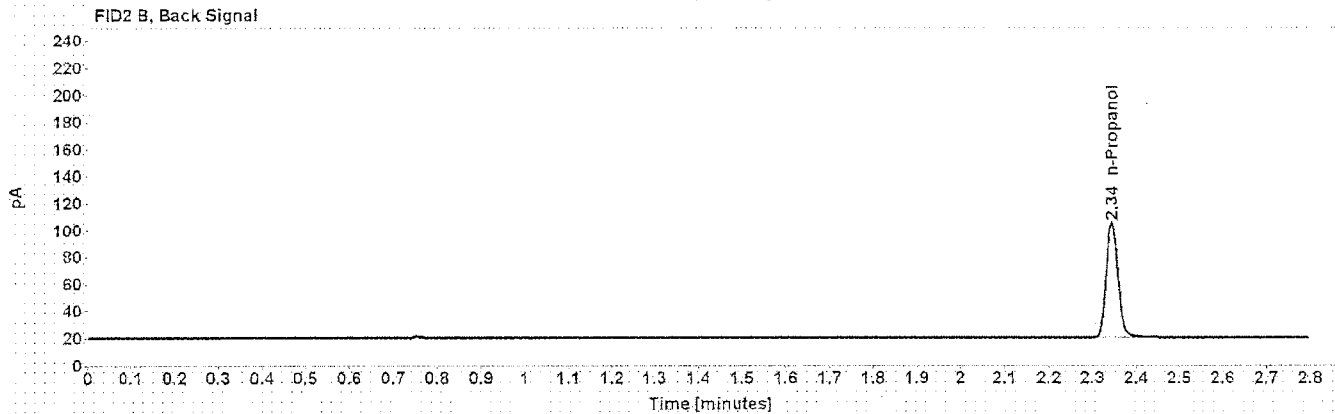
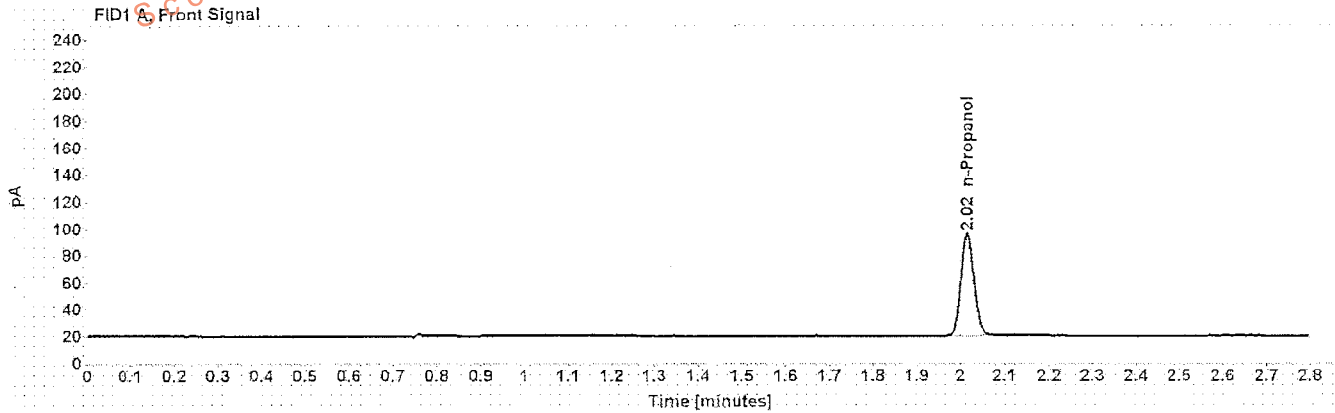


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	156.587

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	159.249

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 030916 ASL	Item number:
Injection date: 8/16/2016 4:57:47 PM	Vial: 6
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\6.D	

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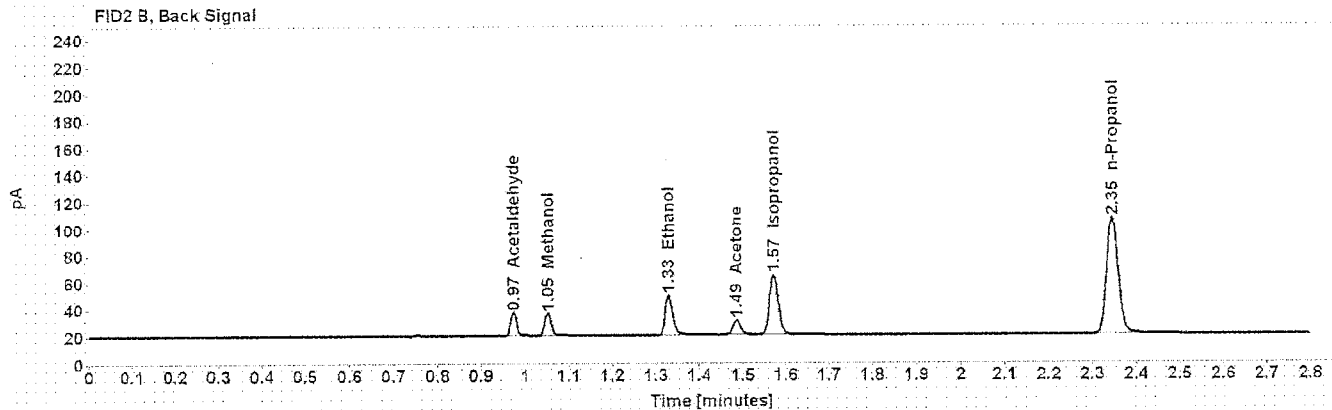
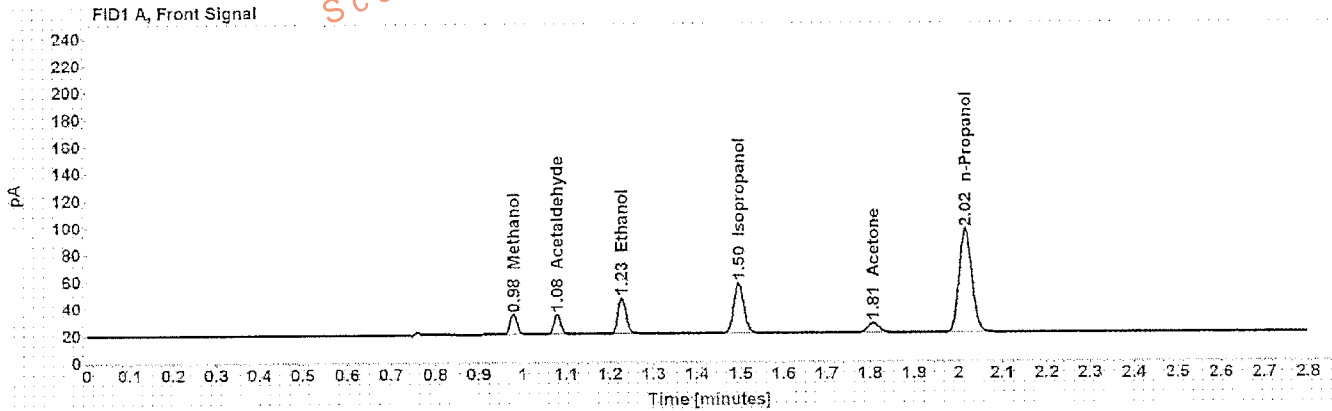


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.978	16.946
Acetaldehyde	-----	1.079	16.035
>Ethanol	0.0632	1.227	34.468
Isopropanol	-----	1.496	61.688
Acetone	-----	1.807	13.621
n-Propanol	-----	2.016	157.529

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	16.759
Methanol	1.052	17.193
Ethanol	1.329	35.145
Acetone	1.485	13.767
Isopropanol	1.571	62.627
n-Propanol	2.345	160.437

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number: 7
Injection date: 8/16/2016 5:02:02 PM	Vial: 7
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\7.D	

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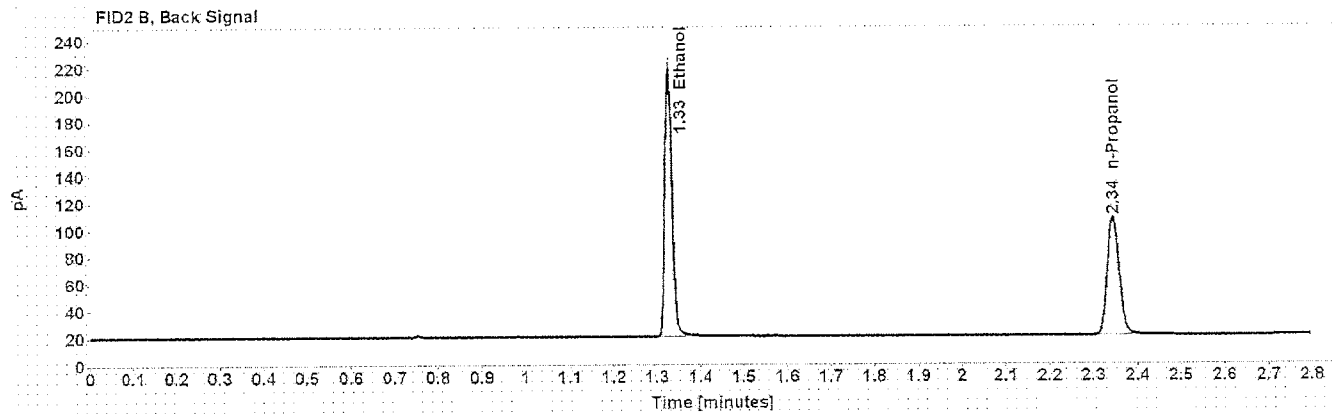
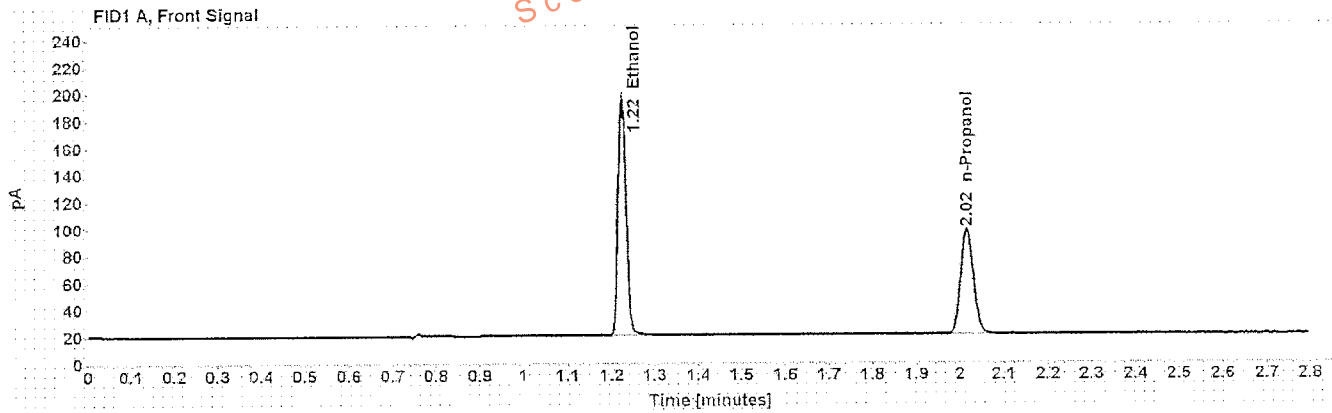


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3984	1.225	224.766
n-Propanol	-----	2.016	160.504

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

Compound	Time (min)	Peak Area
Ethanol	1.327	230.054
n-Propanol	2.344	163.175

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 8/16/2016 5:06:03 PM	Vial: 8
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\16Aug16\8.D	

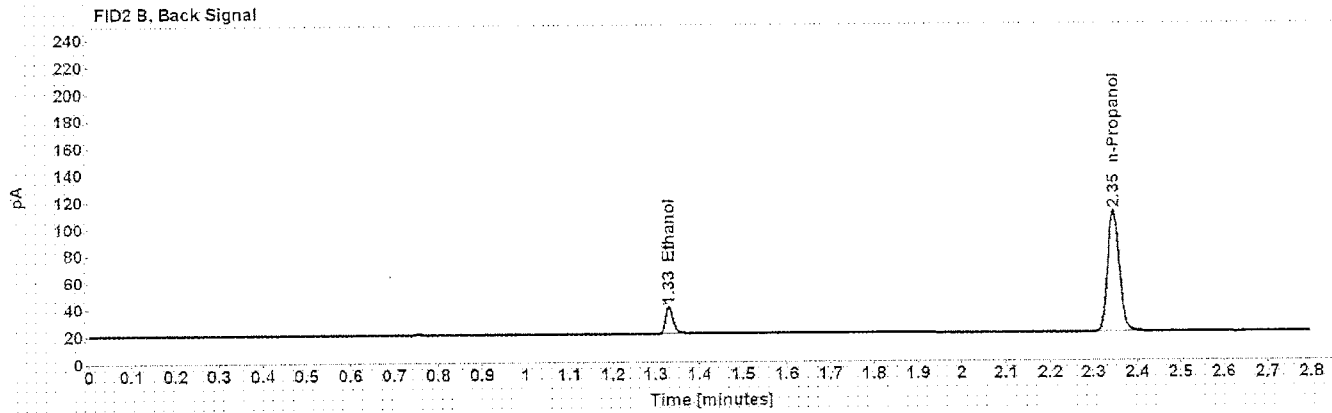
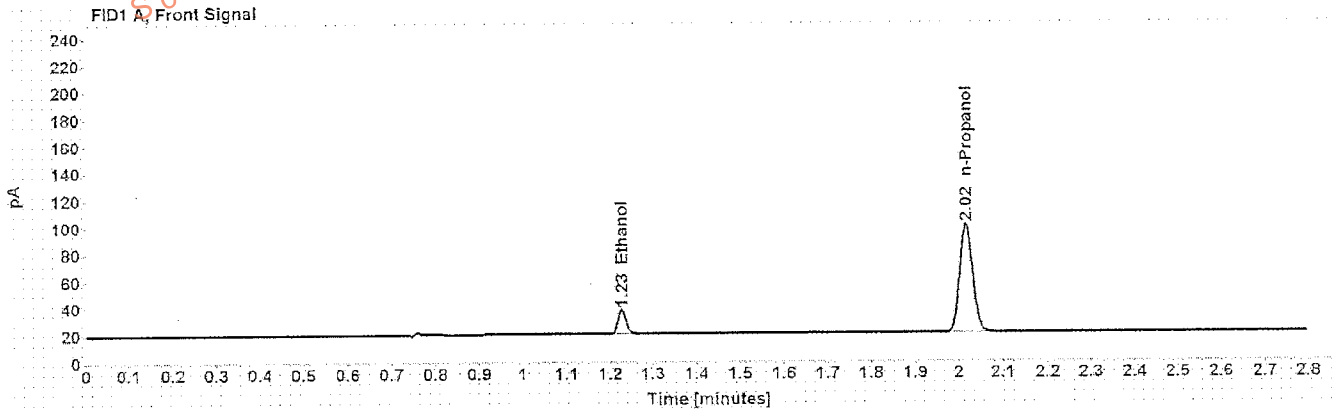


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.227	22.901
n-Propanol	-----	2.016	164.644

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

Compound	Time (min)	Peak Area
Ethanol	1.330	23.185
n-Propanol	2.345	167.736

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 8/16/2016 5:10:02 PM	Vial: 9
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\9.D	

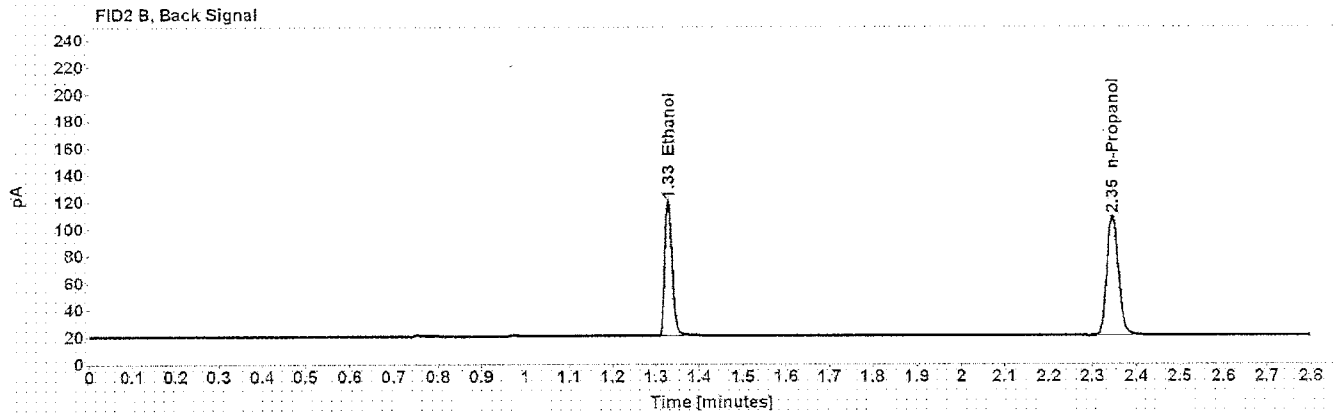
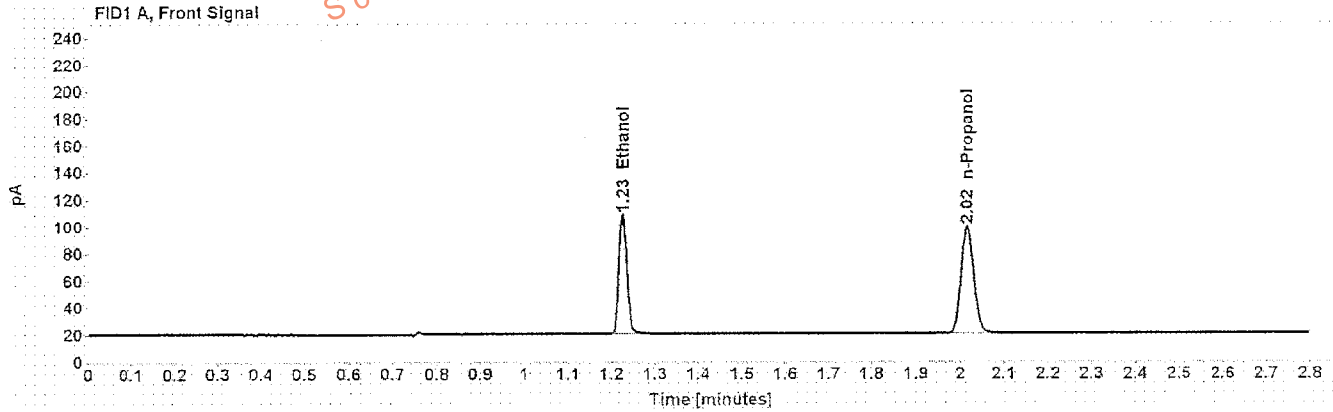


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2008	1.226	113.807
n-Propanol	-----	2.017	161.699

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

Compound	Time (min)	Peak Area
Ethanol	1.328	115.752
n-Propanol	2.346	164.935

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 8/16/2016 5:54:33 PM	Vial: 20
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\20.D	

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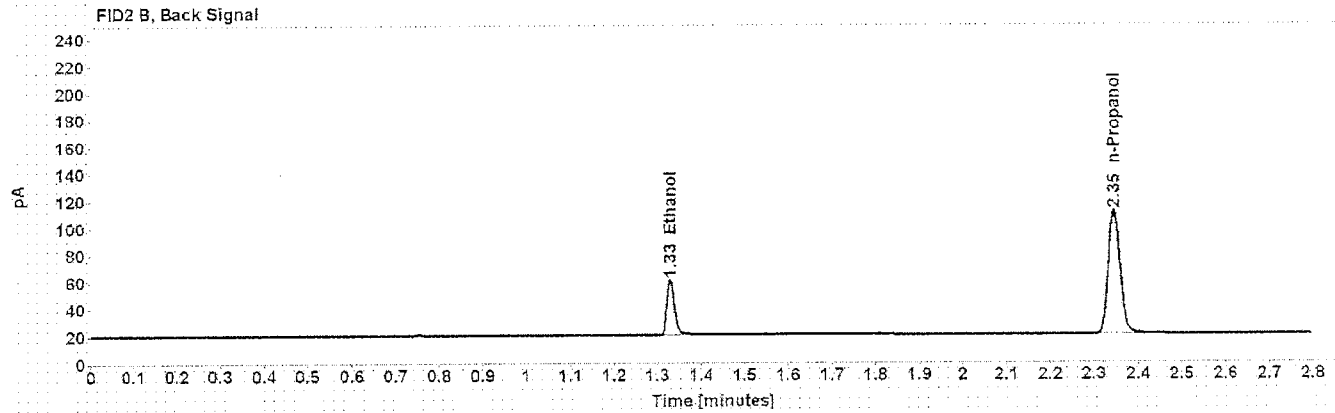
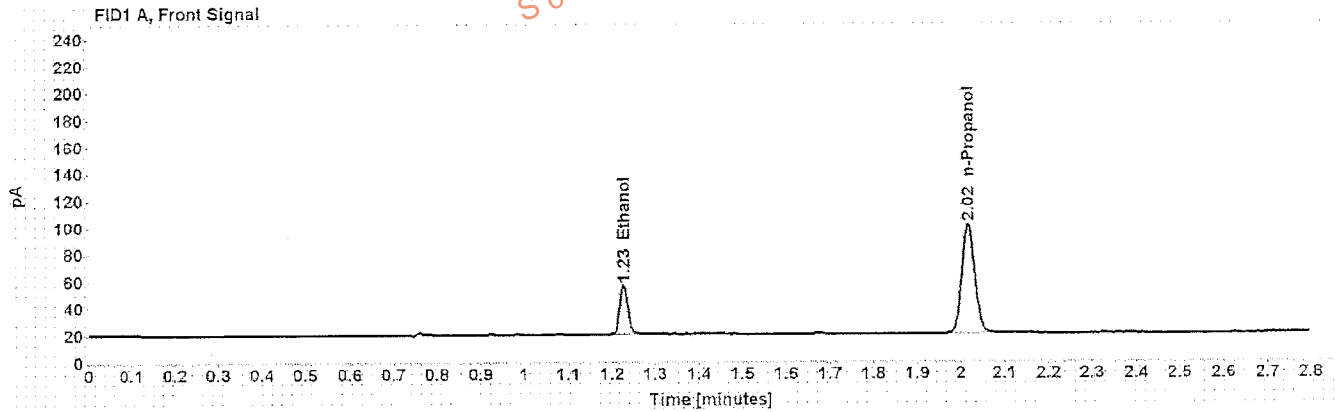


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.227	46.898
n-Propanol	-----	2.017	166.684

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

Compound	Time (min)	Peak Area
Ethanol	1.329	47.647
n-Propanol	2.346	169.489

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 11012012-C	Item number:
Injection date: 8/16/2016 6:39:03 PM	Vial: 31
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\11\Data\16Aug16\31.D	

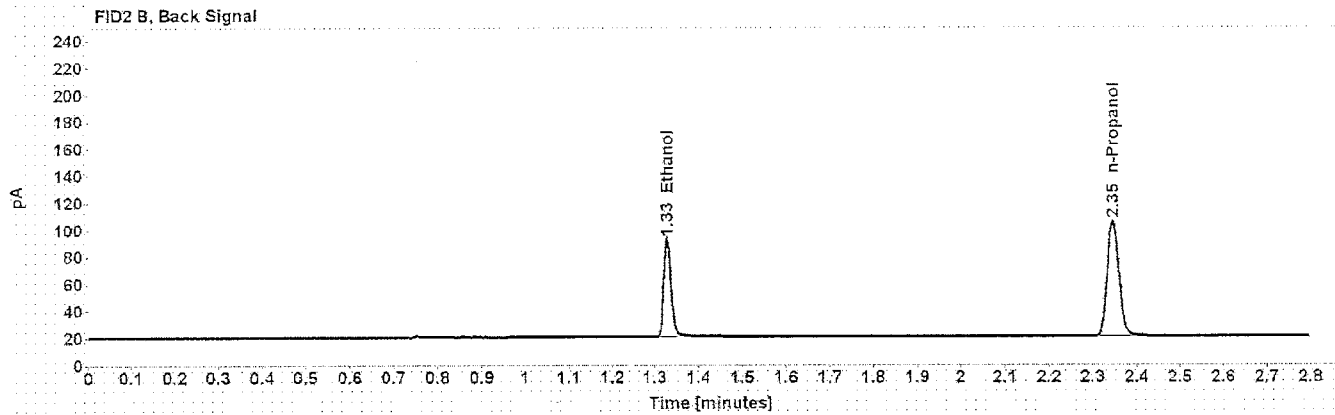
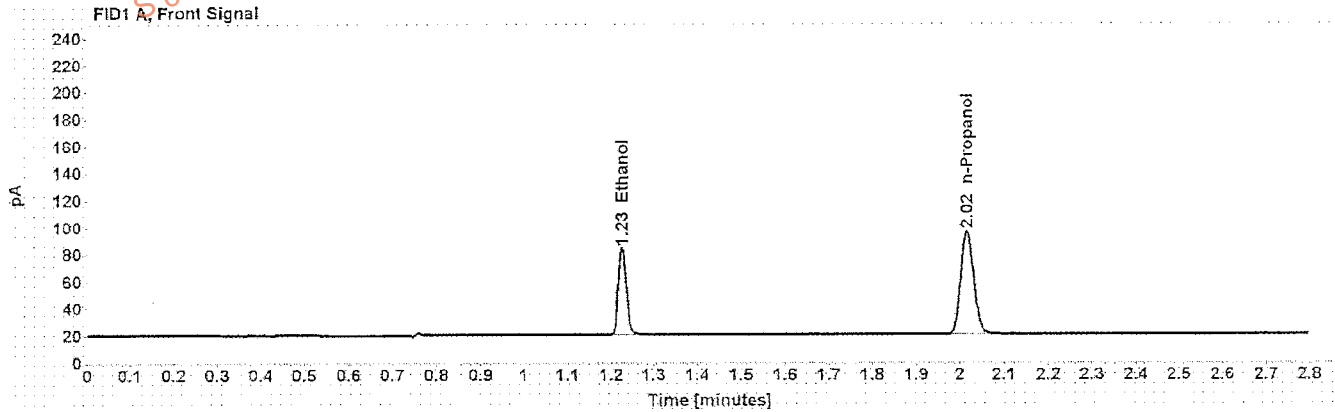


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1510	1.226	82.943
n-Propanol	-----	2.016	156.938

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

Compound	Time (min)	Peak Area
Ethanol	1.328	84.155
n-Propanol	2.345	159.618

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 8/16/2016 7:23:19 PM	Vial: 42
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
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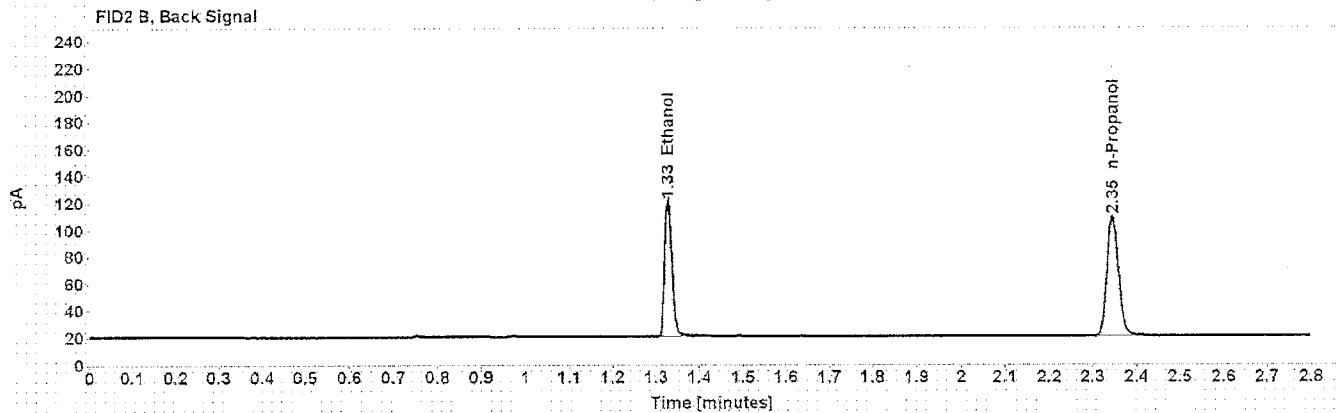
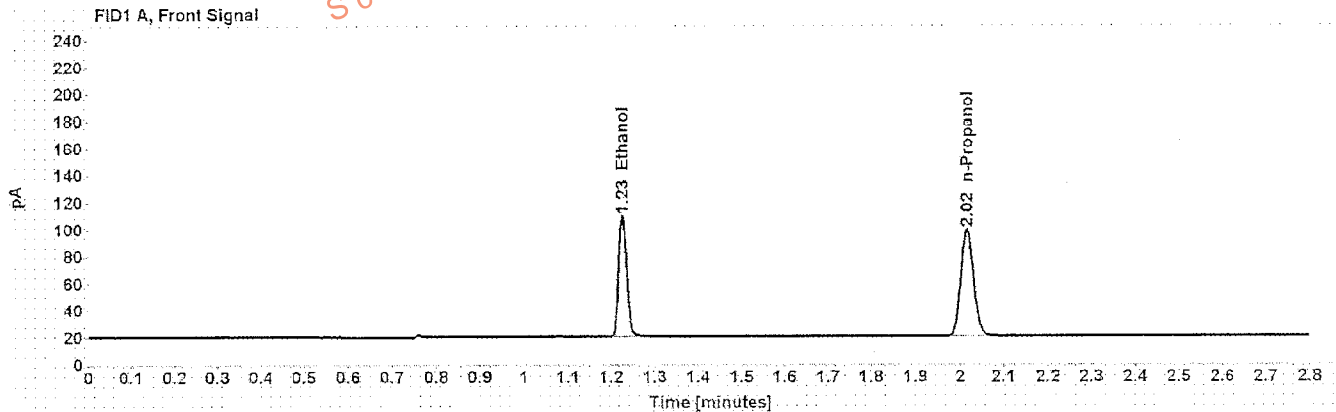


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2033	1.226	115.628
n-Propanol	-----	2.016	162.248

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

Compound	Time (min)	Peak Area
Ethanol	1.328	117.613
n-Propanol	2.345	165.315

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 8/16/2016 8:07:50 PM	Vial: 53
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>PL</i>
Data file: C:\Chem32\1\Data\16Aug16\53.D	

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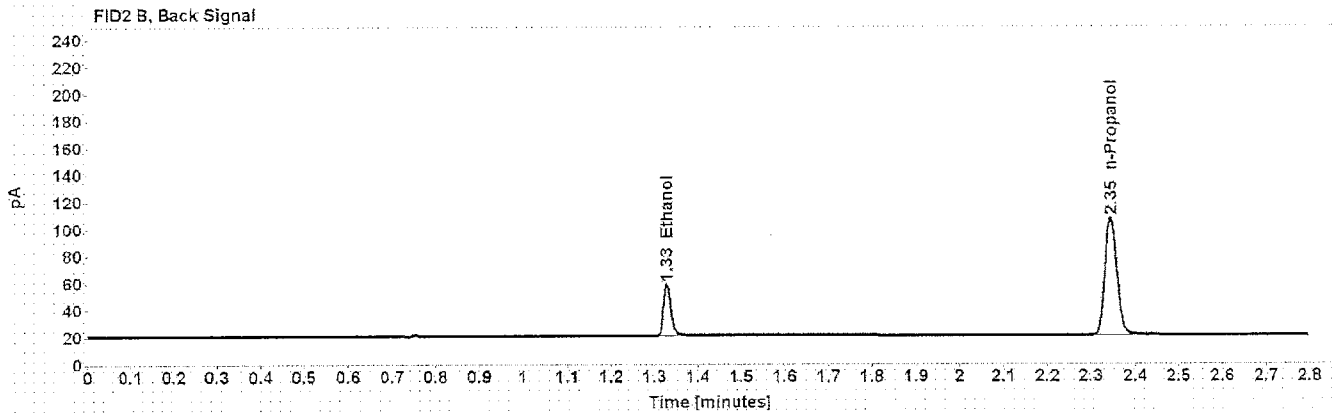
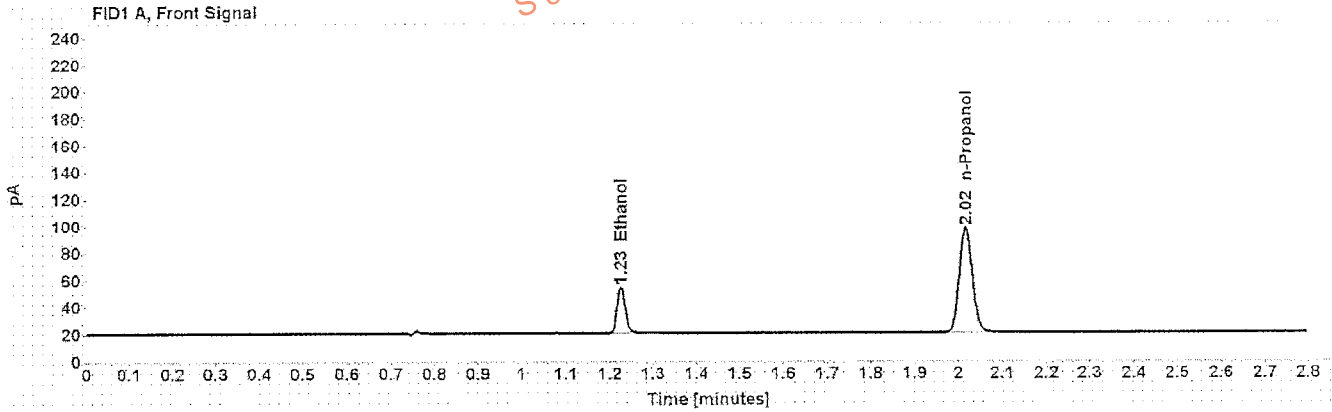


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0794	1.226	44.101
n-Propanol	-----	2.016	159.884

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

Compound	Time (min)	Peak Area
Ethanol	1.329	44.560
n-Propanol	2.345	162.245

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 8/16/2016 8:36:04 PM	Vial: 60
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>LG</i>
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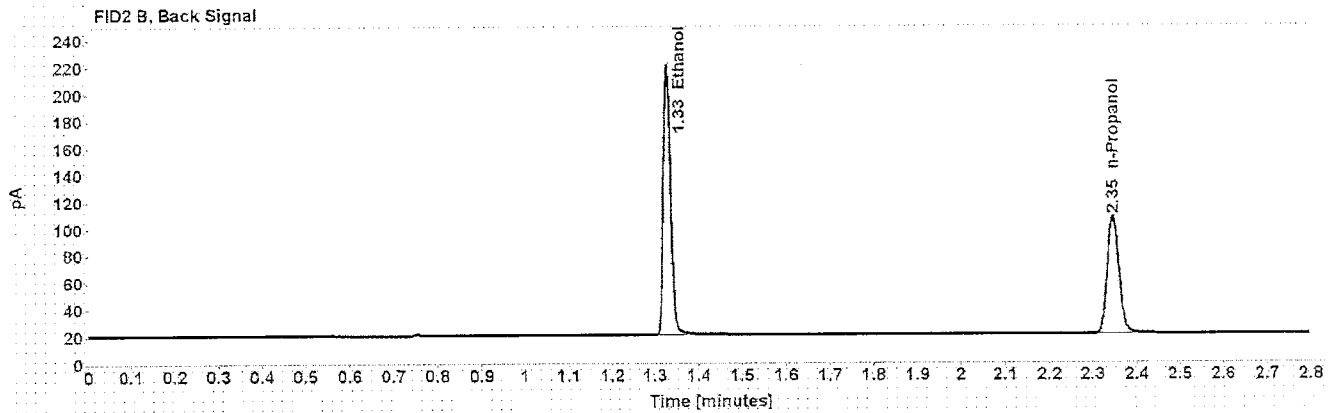
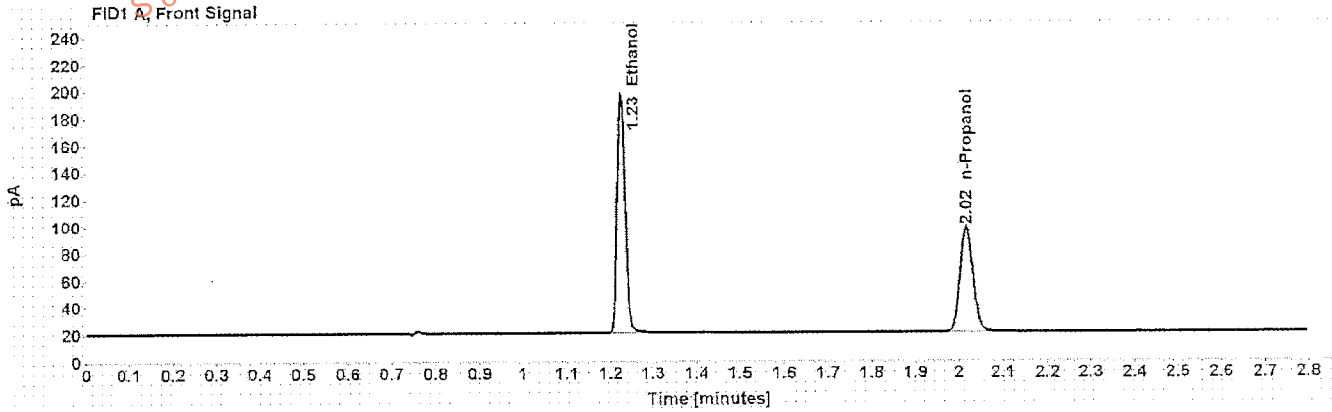


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4040	1.226	226.899
n-Propanol	-----	2.017	159.764

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

Compound	Time (min)	Peak Area
Ethanol	1.328	231.852
n-Propanol	2.346	162.140

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 8/16/2016 8:40:20 PM	Vial: 61
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>LS</i>
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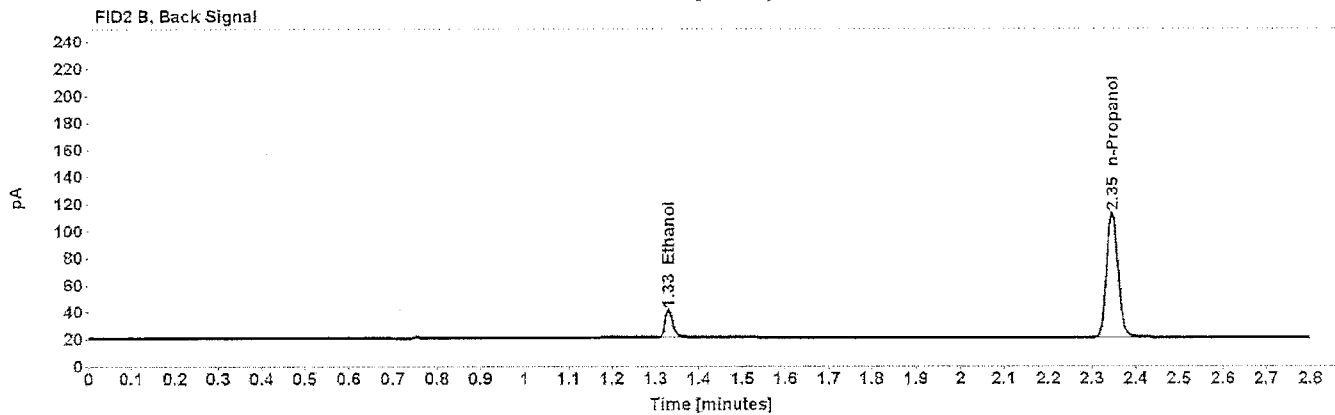
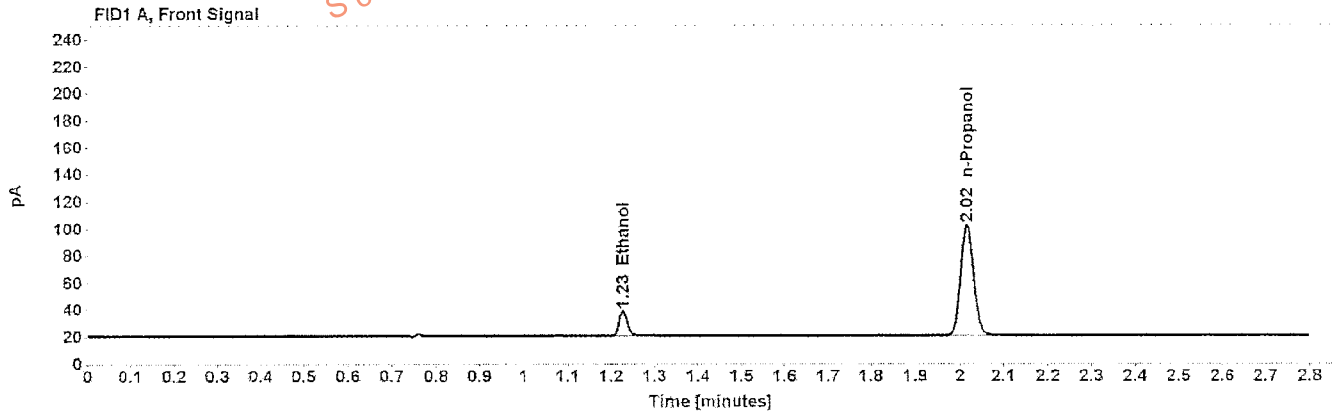


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.227	23.835
n-Propanol	-----	2.017	169.090

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

Compound	Time (min)	Peak Area
Ethanol	1.330	24.051
n-Propanol	2.346	171.987

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 8/16/2016 8:44:18 PM	Vial: 62
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan, M
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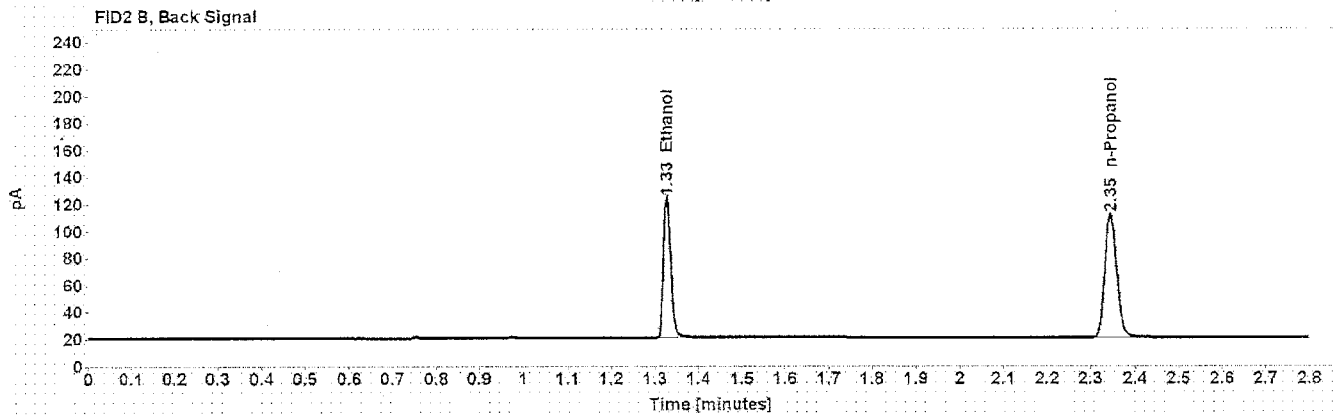
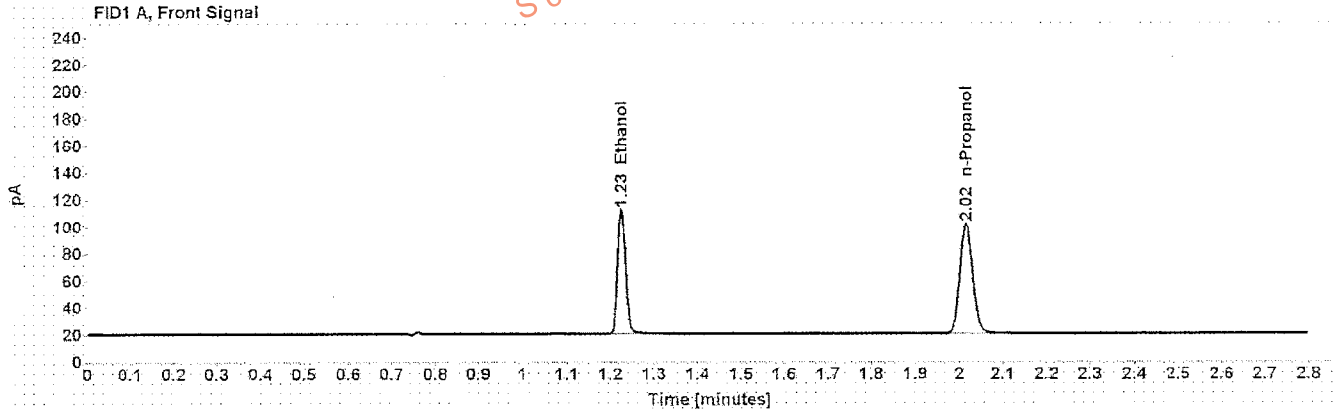


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.226	118.773
n-Propanol	-----	2.016	166.807

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

Compound	Time (min)	Peak Area
Ethanol	1.328	120.841
n-Propanol	2.345	169.971

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 8/16/2016 8:48:18 PM	Vial: 63
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>RL</i>
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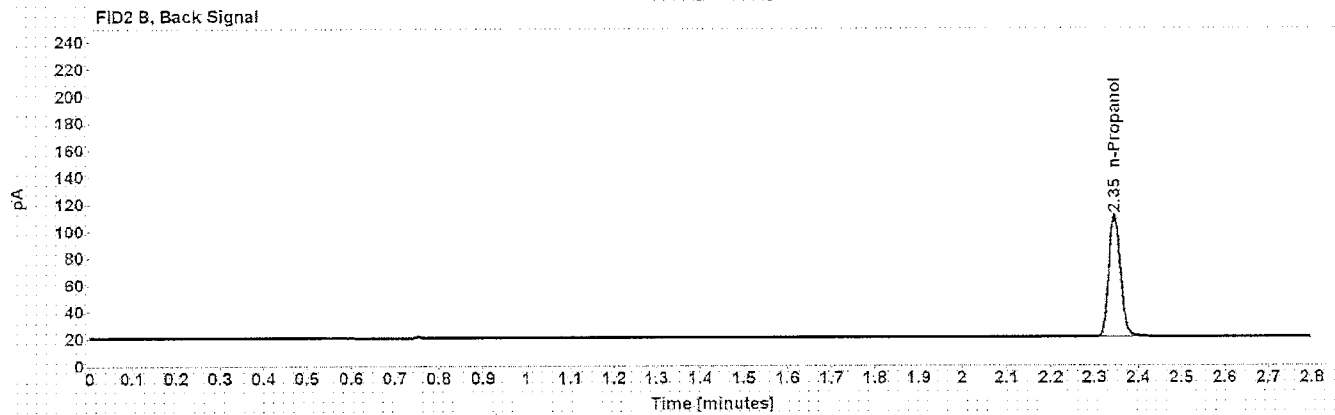
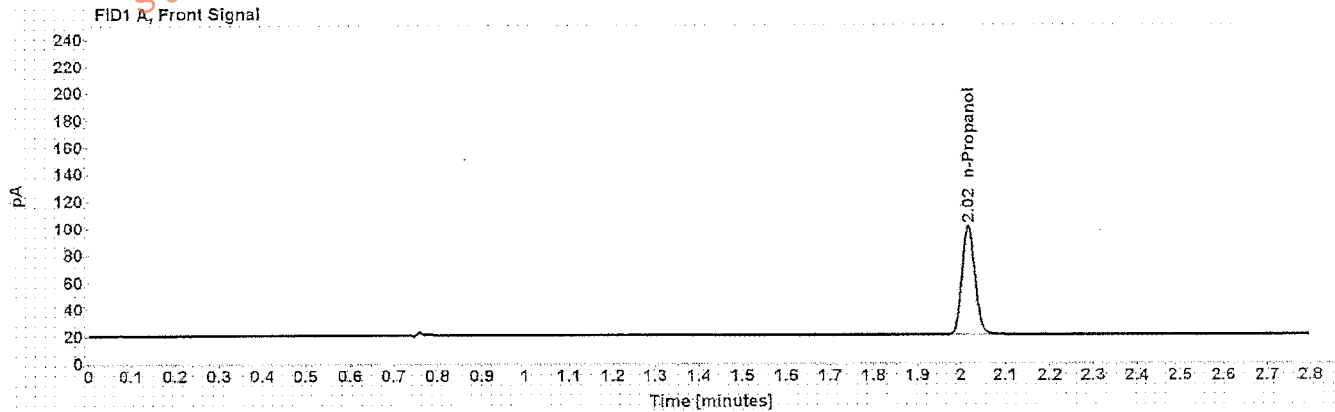


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	165.470

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	168.346

Sequence Summary

Sequence name: 16Aug16 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 FN11391402	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	1102198	ethanol quant.M
11	L16 [REDACTED]	Sample	1102198	ethanol quant.M
12	L16 [REDACTED]	Sample	1102642	ethanol quant.M
13	L16 [REDACTED]	Sample	1102642	ethanol quant.M
14	L16 [REDACTED]	Sample	1100997	ethanol quant.M
15	L16 [REDACTED]	Sample	1100997	ethanol quant.M
16	L16 [REDACTED]	Sample	1101360	ethanol quant.M
17	L16 [REDACTED]	Sample	1101360	ethanol quant.M
18	L16 [REDACTED]	Sample	1102909	ethanol quant.M
19	L16 [REDACTED]	Sample	1102909	ethanol quant.M
20	0.080 Lipomed 14112011-A	Control		ethanol quant.M
21	L16 [REDACTED]	Sample	1103787	ethanol quant.M
22	L16 [REDACTED]	Sample	1103787	ethanol quant.M
23	L16 [REDACTED]	Sample	1101627	ethanol quant.M
24	L16 [REDACTED]	Sample	1101627	ethanol quant.M
25	L16 [REDACTED]	Sample	1102989	ethanol quant.M
26	L16 [REDACTED]	Sample	1102989	ethanol quant.M
27	L16 [REDACTED]	Sample	1104264	ethanol quant.M
28	L16 [REDACTED]	Sample	1104264	ethanol quant.M
29	L16 [REDACTED]	Sample	1103025	ethanol quant.M
30	L16 [REDACTED]	Sample	1103025	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32	L16 [REDACTED]	Sample	1104509	ethanol quant.M
33	L16 [REDACTED]	Sample	1104509	ethanol quant.M
34	L16 [REDACTED]	Sample	1102878	ethanol quant.M
35	L16 [REDACTED]	Sample	1102878	ethanol quant.M
36	L16 [REDACTED]	Sample	1103490	ethanol quant.M
37	L16 [REDACTED]	Sample	1103490	ethanol quant.M
38	L16 [REDACTED]	Sample	1616243	ethanol quant.M
39	L16 [REDACTED]	Sample	1616243	ethanol quant.M
40	L16 [REDACTED]	Sample	1105600	ethanol quant.M
41	L16 [REDACTED]	Sample	1105600	ethanol quant.M
42	0.20 ACQ 402101060/6	Control		ethanol quant.M
43	L16 [REDACTED]	Sample	1104800	ethanol quant.M
44	L16 [REDACTED]	Sample	1104800	ethanol quant.M
45	L16 [REDACTED]	Sample	1105152	ethanol quant.M
46	L16 [REDACTED]	Sample	1105152	ethanol quant.M
47	L16 [REDACTED]	Sample	1076470	ethanol quant.M

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Sequence Summary

48	L16	[REDACTED]	Sample	1076470	ethanol quant.M
49	L16	[REDACTED]	Sample	1106530	ethanol quant.M
50	L16	[REDACTED]	Sample	1106530	ethanol quant.M
51	L16	[REDACTED]	Sample	1106701	ethanol quant.M
52	L16	[REDACTED]	Sample	1106701	ethanol quant.M
53	0.080	Lipomed 14112011-A	Control		ethanol quant.M
54	L16	[REDACTED]	Sample	135-01A	ethanol quant.M
55	L16	[REDACTED]	Sample	135-01A	ethanol quant.M
56	L16	[REDACTED]	Sample	312-01A	ethanol quant.M
57	L16	[REDACTED]	Sample	312-01A	ethanol quant.M
58	L16	[REDACTED]	Sample	285-01A	ethanol quant.M
59	L16	[REDACTED]	Sample	285-01A	ethanol quant.M
60	0.40	Lipomed 05012012-C	Control		ethanol quant.M
61	0.04	Lipomed 30112011-B	Control		ethanol quant.M
62	0.20	ACQ 402101060/6	Control		ethanol quant.M
63	blank	110215	Control		ethanol quant.M

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Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102198
Injection date: 8/16/2016 5:14:02 PM Vial: 10
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\11\Data\16Aug16\10.D

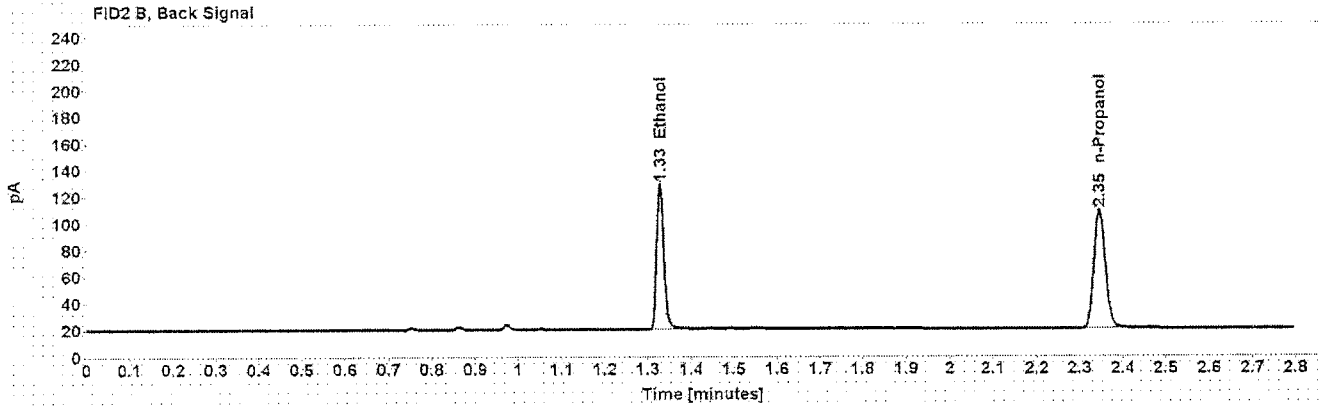
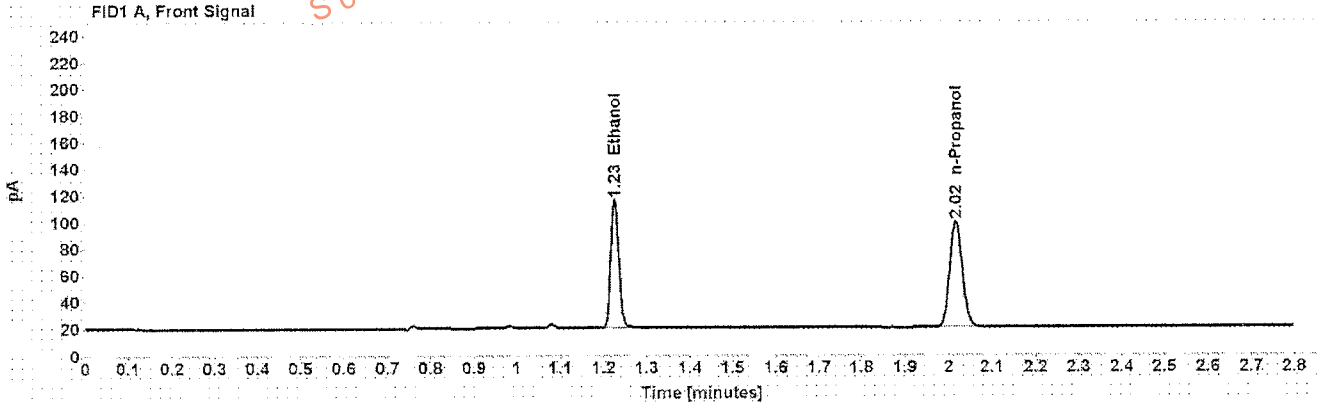


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2184	1.226	124.353
n-Propanol	-----	2.017	162.353

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

Compound	Time (min)	Peak Area
Ethanol	1.328	127.555
n-Propanol	2.346	165.343

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1102198
Injection date:	8/16/2016 5:18:02 PM	Vial:	11
Method:	ethanol quant.M	Sequence:	16Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\16Aug16\11.D		

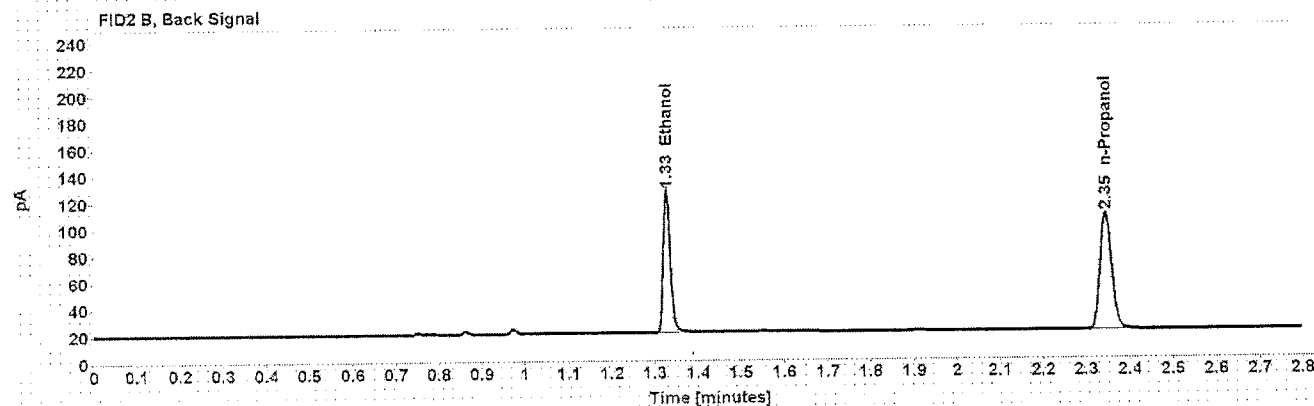
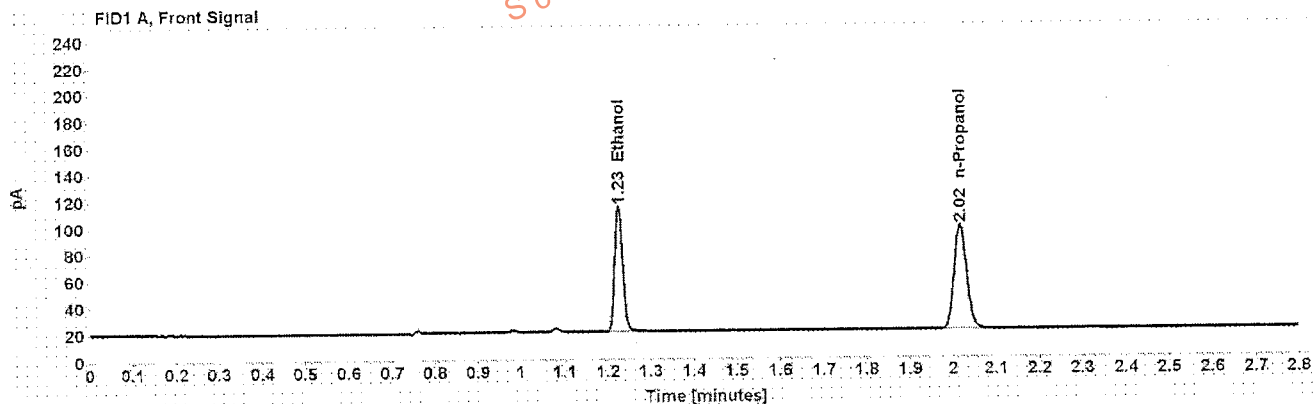


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2175	1.226	121.795
n-Propanol	-----	2.016	159.656

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

Compound	Time (min)	Peak Area
Ethanol	1.328	124.090
n-Propanol	2.345	163.004

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102642
Injection date: 8/16/2016 5:22:02 PM Vial: 12
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\12.D

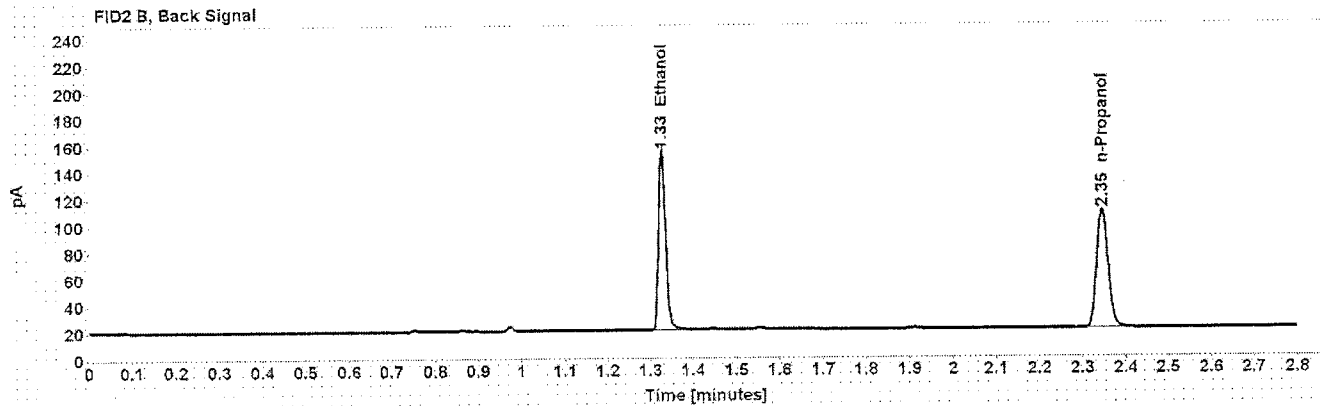
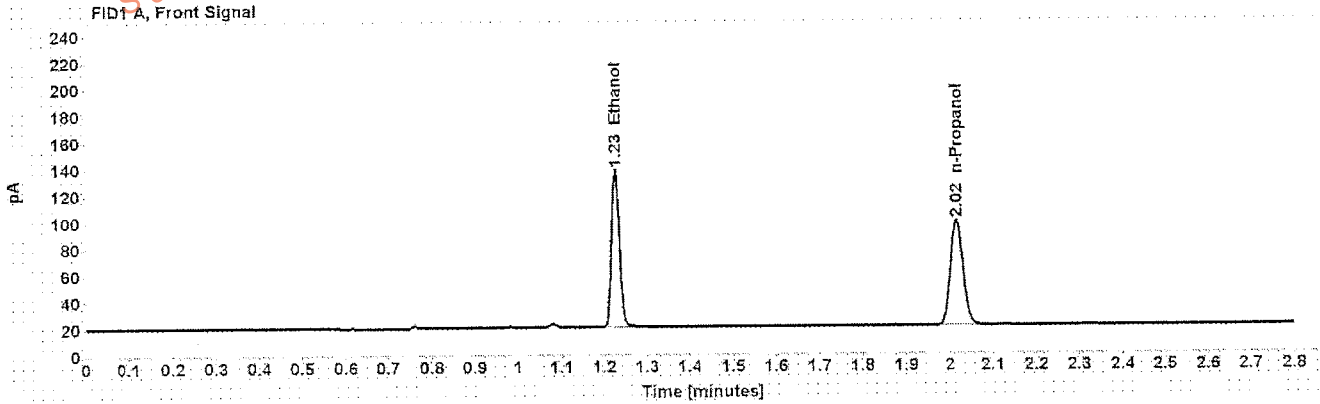


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2671	1.226	152.841
n-Propanol	-----	2.017	163.016

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

Compound	Time (min)	Peak Area
Ethanol	1.328	156.949
n-Propanol	2.346	165.511

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102642
Injection date: 8/16/2016 5:26:17 PM Vial: 13
Method: ethanol quant M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\13.D

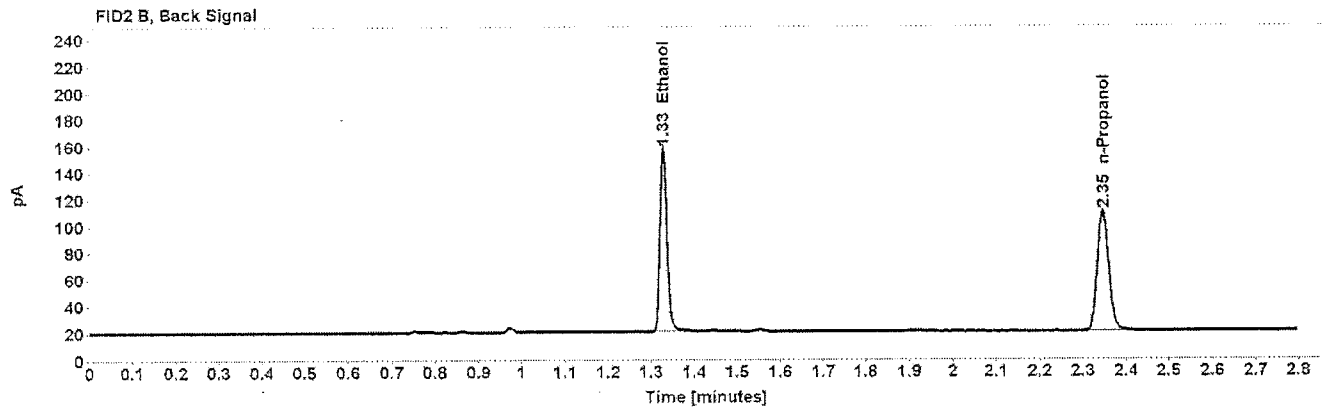
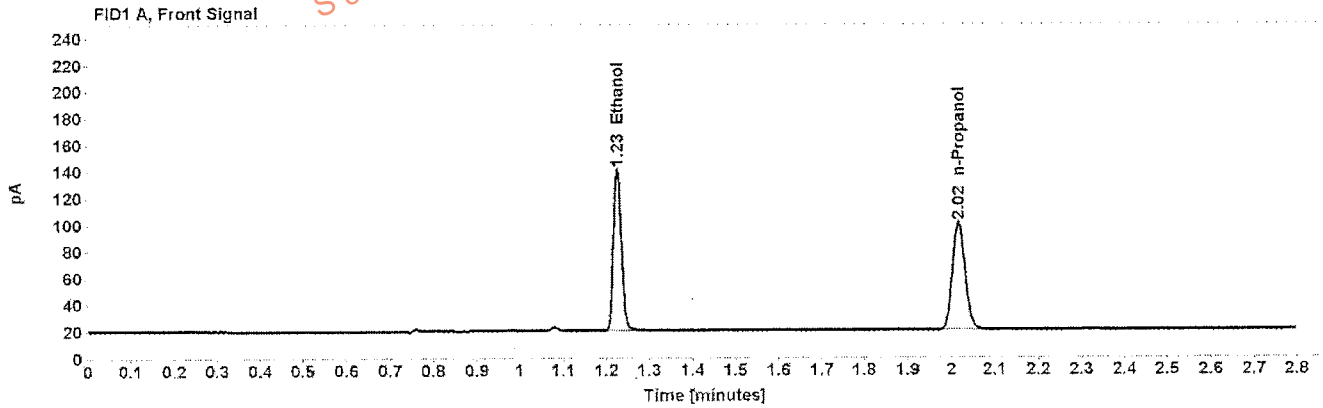


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2686	1.226	155.956
n-Propanol	-----	2.017	165.422

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

Compound	Time (min)	Peak Area
Ethanol	1.329	159.050
n-Propanol	2.346	167.993

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1100997
Injection date: 8/16/2016 5:30:18 PM	Vial: 14
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\14.D	

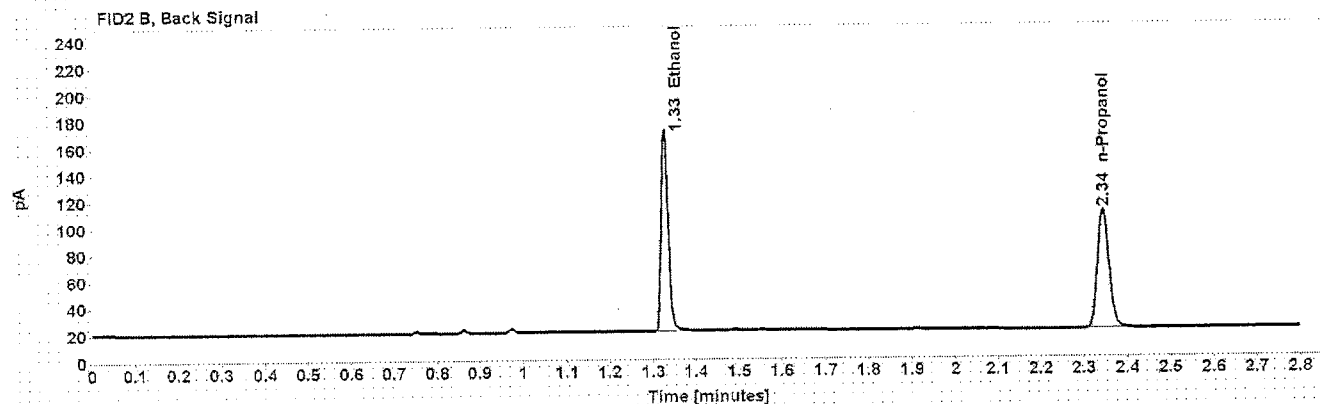
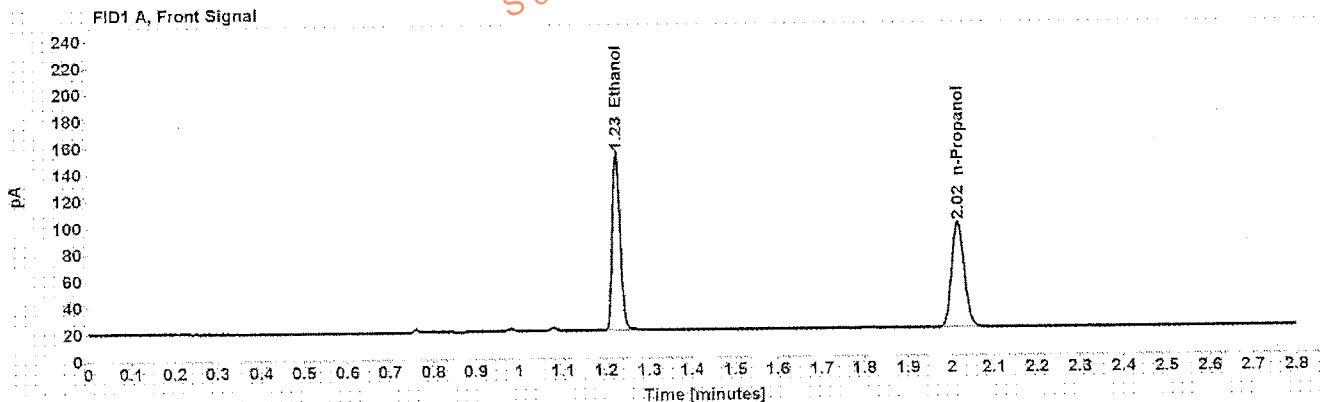


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3025	1.225	172.260
n-Propanol	-----	2.016	162.120

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

Compound	Time (min)	Peak Area
Ethanol	1.327	175.423
n-Propanol	2.345	165.475

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1100997
Injection date: 8/16/2016 5:34:18 PM Vial: 15
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\15.D

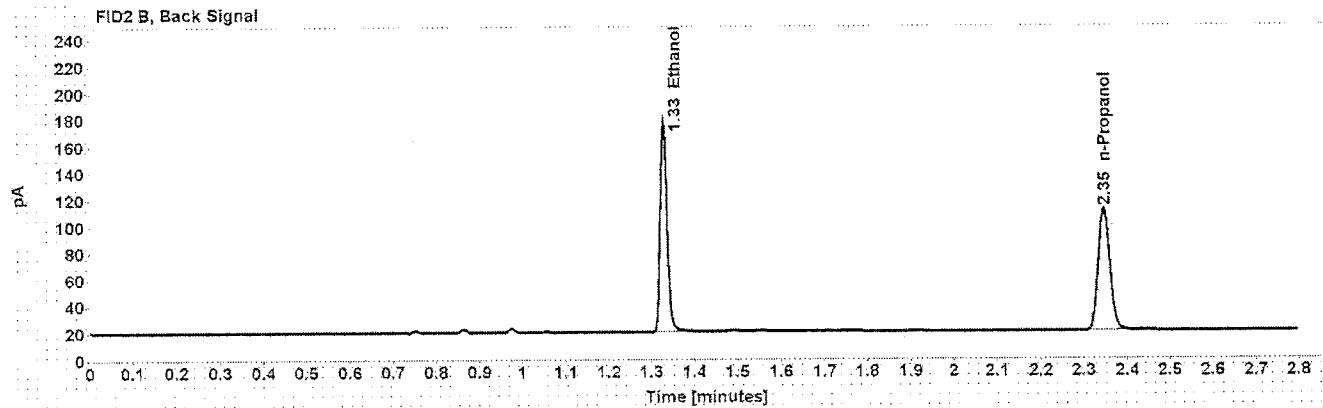
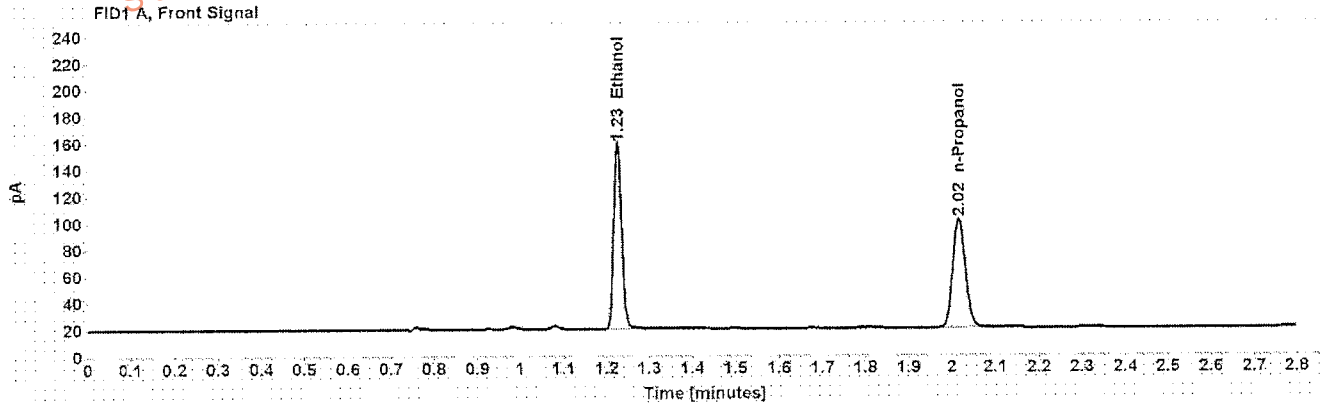


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3054	1.226	179.329
n-Propanol	-----	2.017	167.202

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

Compound	Time (min)	Peak Area
Ethanol	1.328	182.762
n-Propanol	2.346	170.296

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1101360
Injection date: 8/16/2016 5:38:18 PM	Vial: 16
Method: ethanol quant M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\1\16Aug16\16.D	

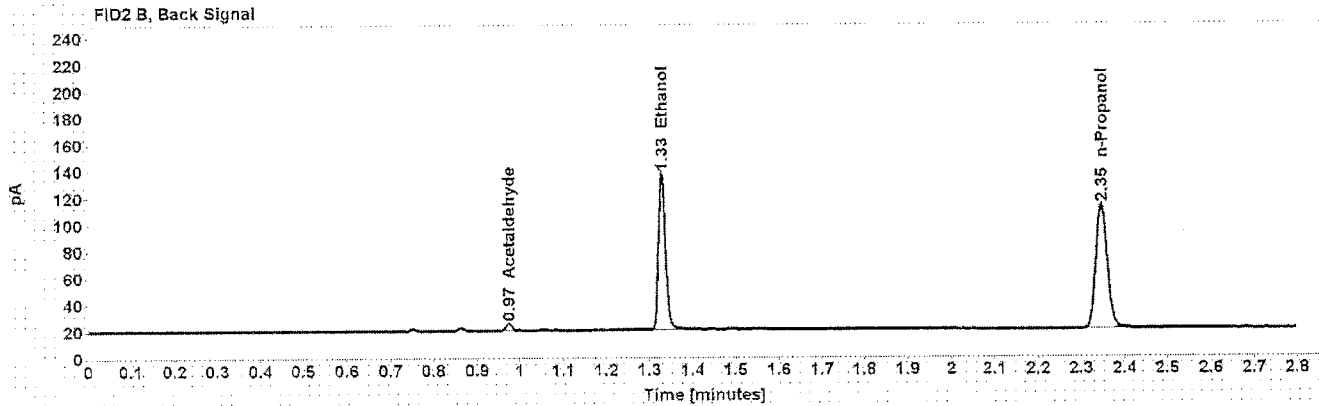
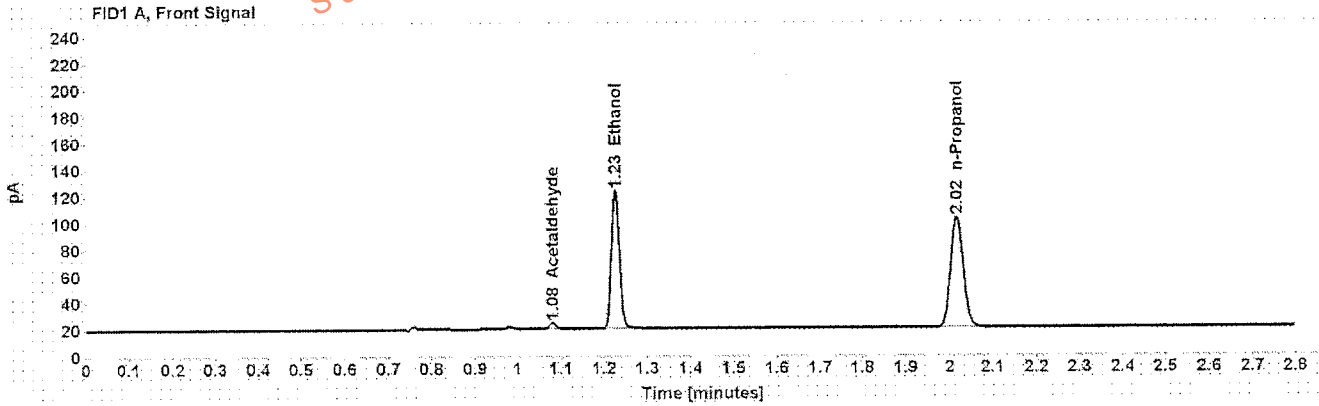


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.981
>Ethanol	0.2246	1.226	133.519
n-Propanol	-----	2.017	169.498

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.183
Ethanol	1.329	135.791
n-Propanol	2.346	172.865

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102909
Injection date: 8/16/2016 5:46:18 PM Vial: 18
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14473023 CN44160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\18.D

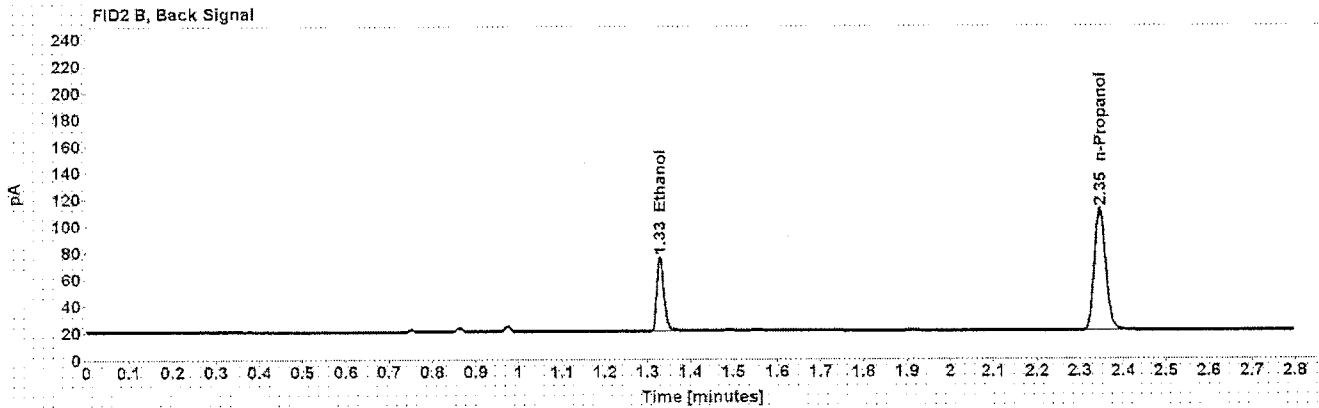
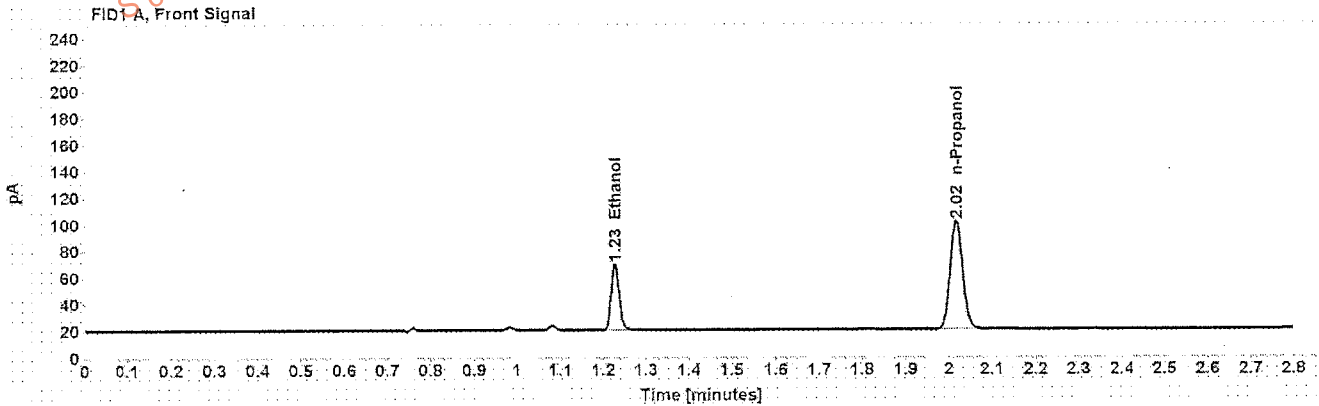


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1101	1.227	63.607
n-Propanol	-----	2.017	165.594

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

Compound	Time (min)	Peak Area
Ethanol	1.330	65.704
n-Propanol	2.346	169.303

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102909
Injection date: 8/16/2016 5:50:32 PM Vial: 19
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\19.D

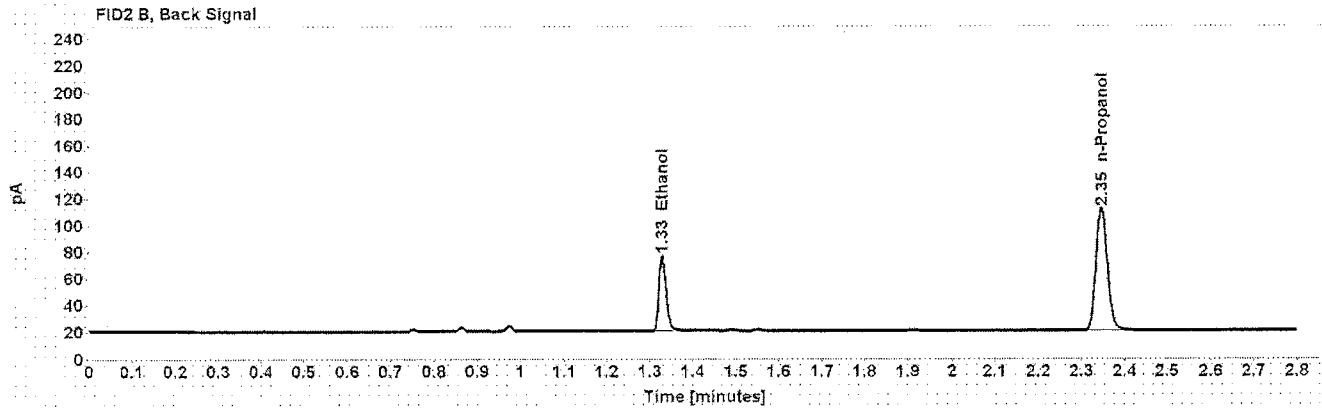
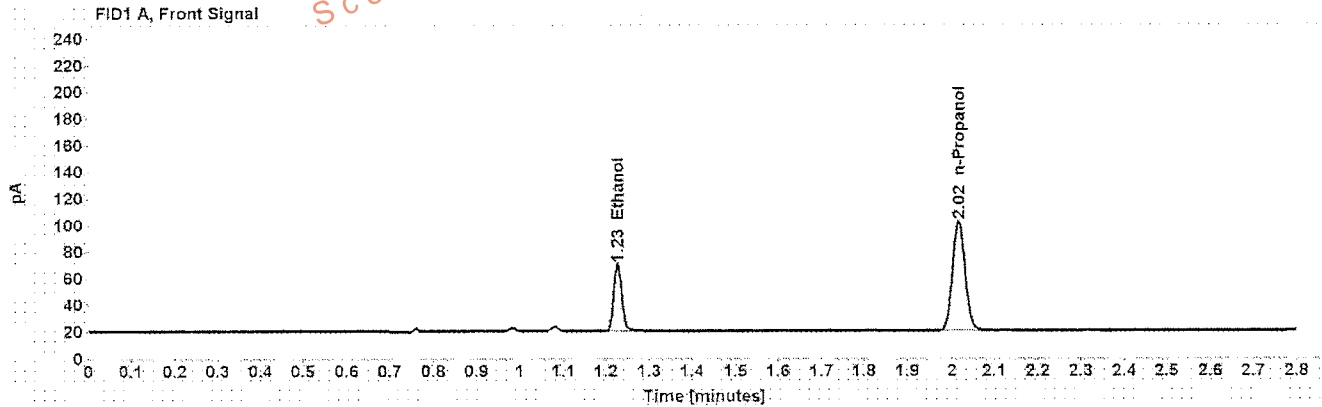


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1106	1.227	64.639
n-Propanol	-----	2.017	167.457

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

Compound	Time (min)	Peak Area
Ethanol	1.329	65.793
n-Propanol	2.346	171.135

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1103787
Injection date: 8/16/2016 5:58:34 PM	Vial: 21
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\21.D	

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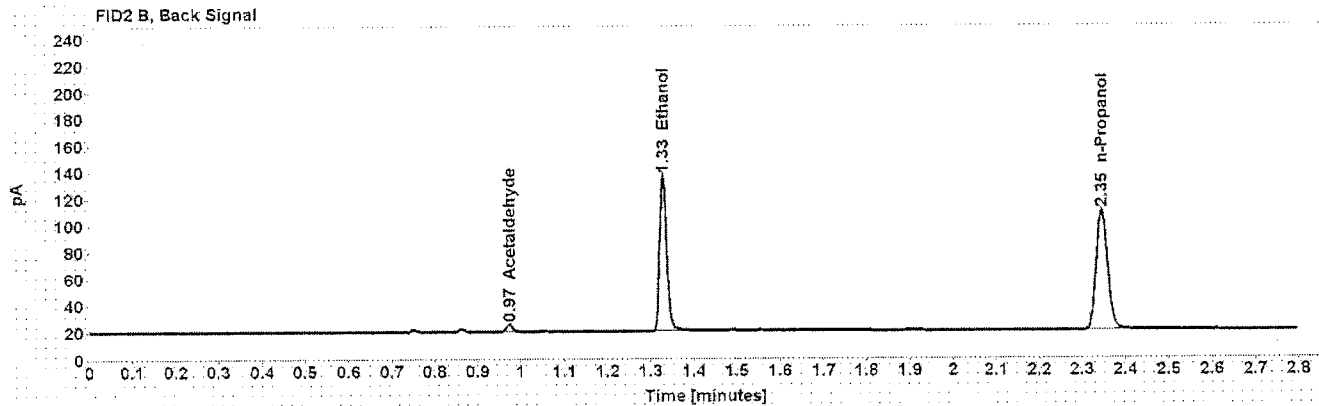
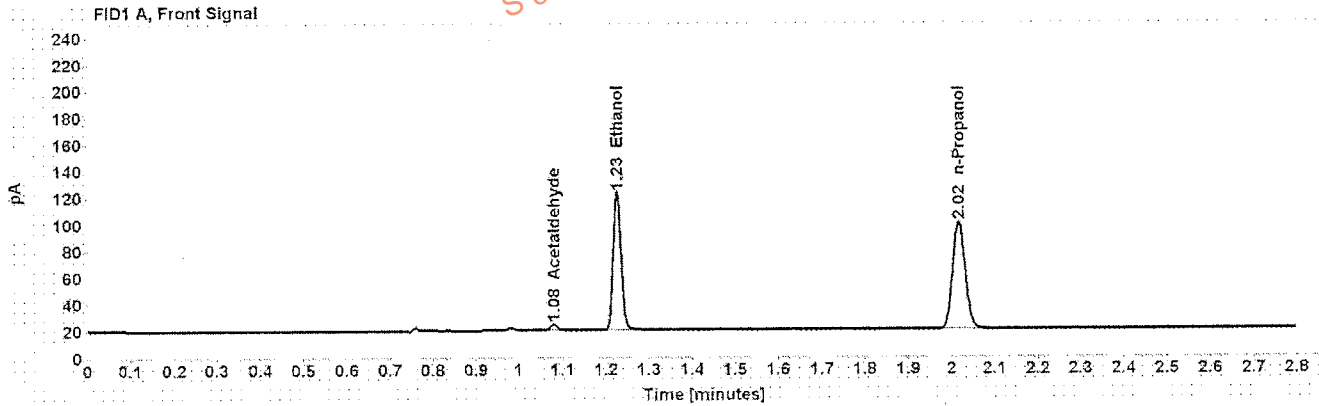


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.884
>Ethanol	0.2305	1.226	132.764
n-Propanol	-----	2.017	164.177

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.081
Ethanol	1.328	135.018
n-Propanol	2.346	167.327

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1103787
Injection date: 8/16/2016 6:02:33 PM Vial: 22
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14473023 CN14160045 Analyst: Langan
Data file: C:\Chem321\Data\16Aug16\22.D

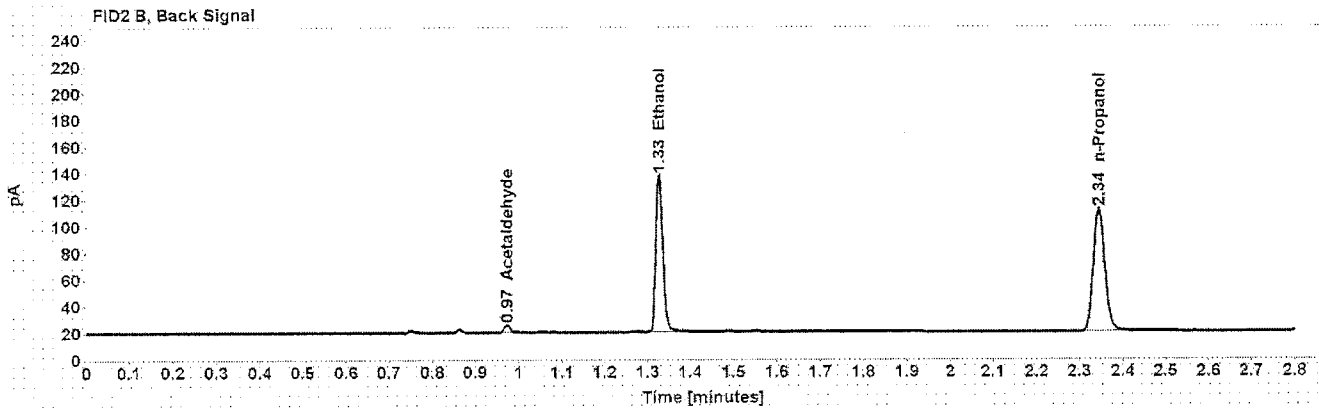
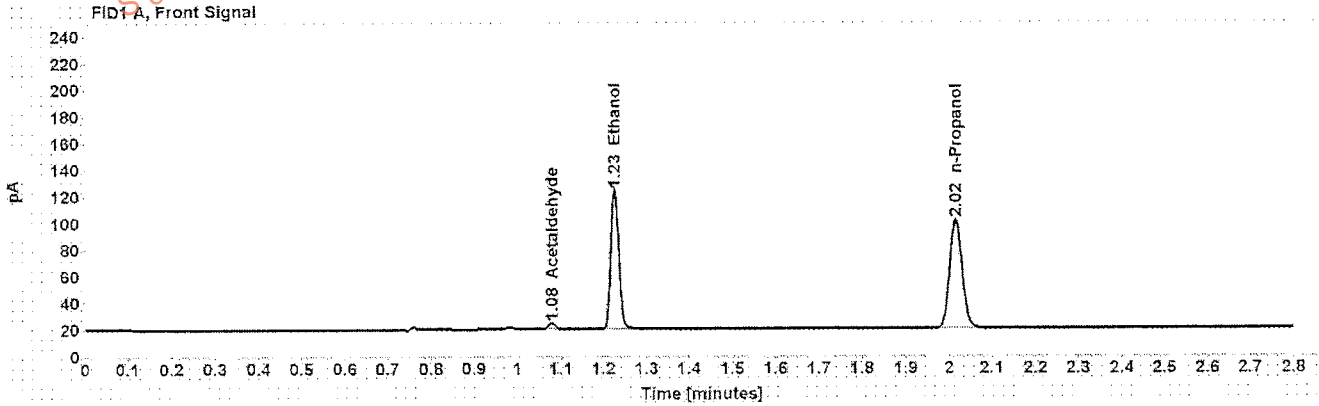


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	5.008
>Ethanol	0.2301	1.226	134.717
n-Propanol	-----	2.016	166.908

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.243
Ethanol	1.328	137.169
n-Propanol	2.345	170.283

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1101627
Injection date: 8/16/2016 6:06:33 PM Vial: 23
Method: ethanol quant M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\11\Data\16Aug16\23.D

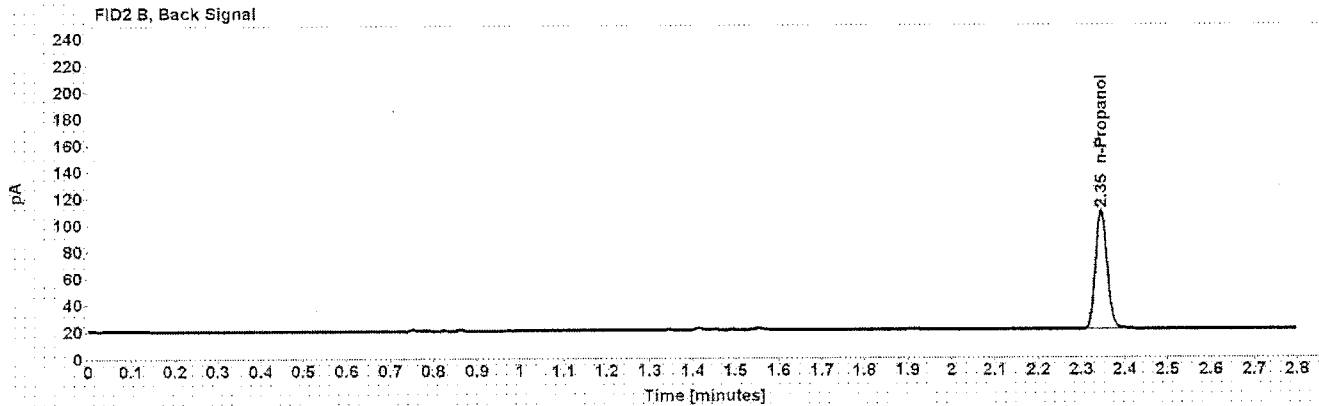
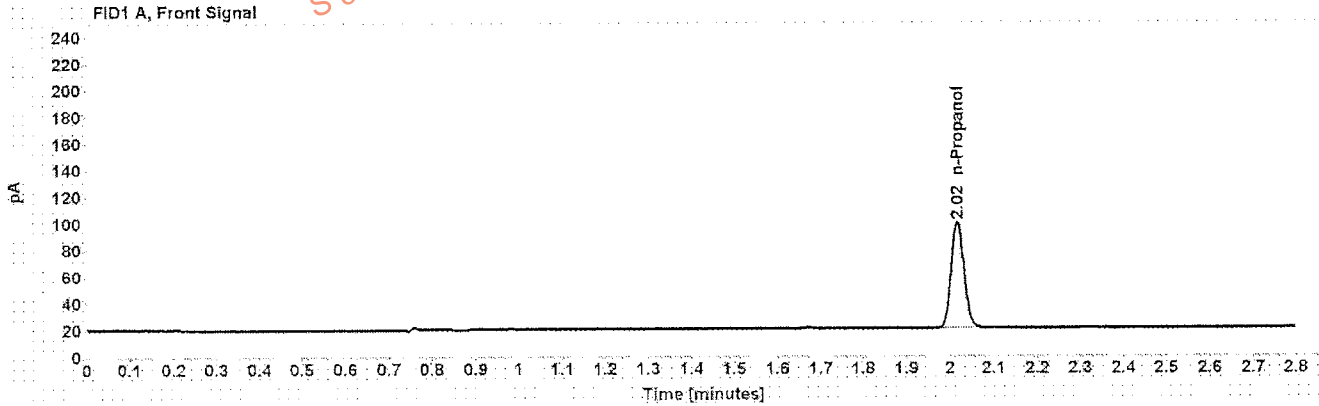


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	162.584

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	166.555

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1101627
Injection date: 8/16/2016 6:10:33 PM Vial: 24
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem321\Data\16Aug16\24.D

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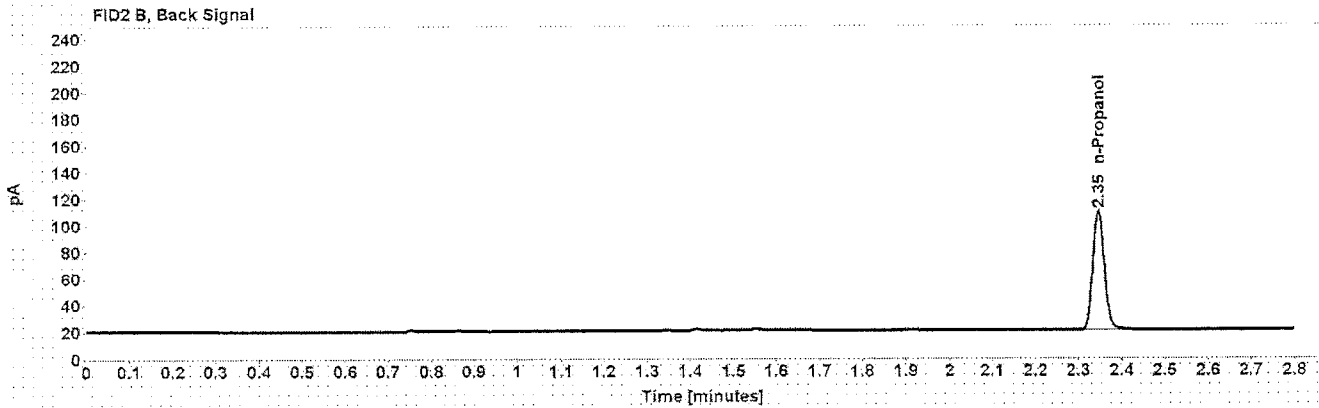
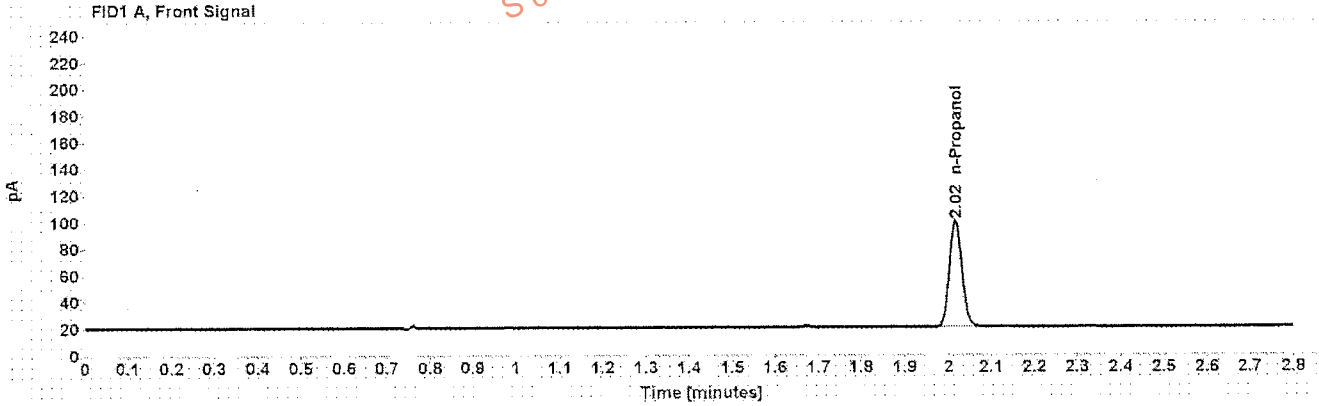


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	162.697

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	166.818

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102989
Injection date: 8/16/2016 6:14:47 PM Vial: 25
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\25.D

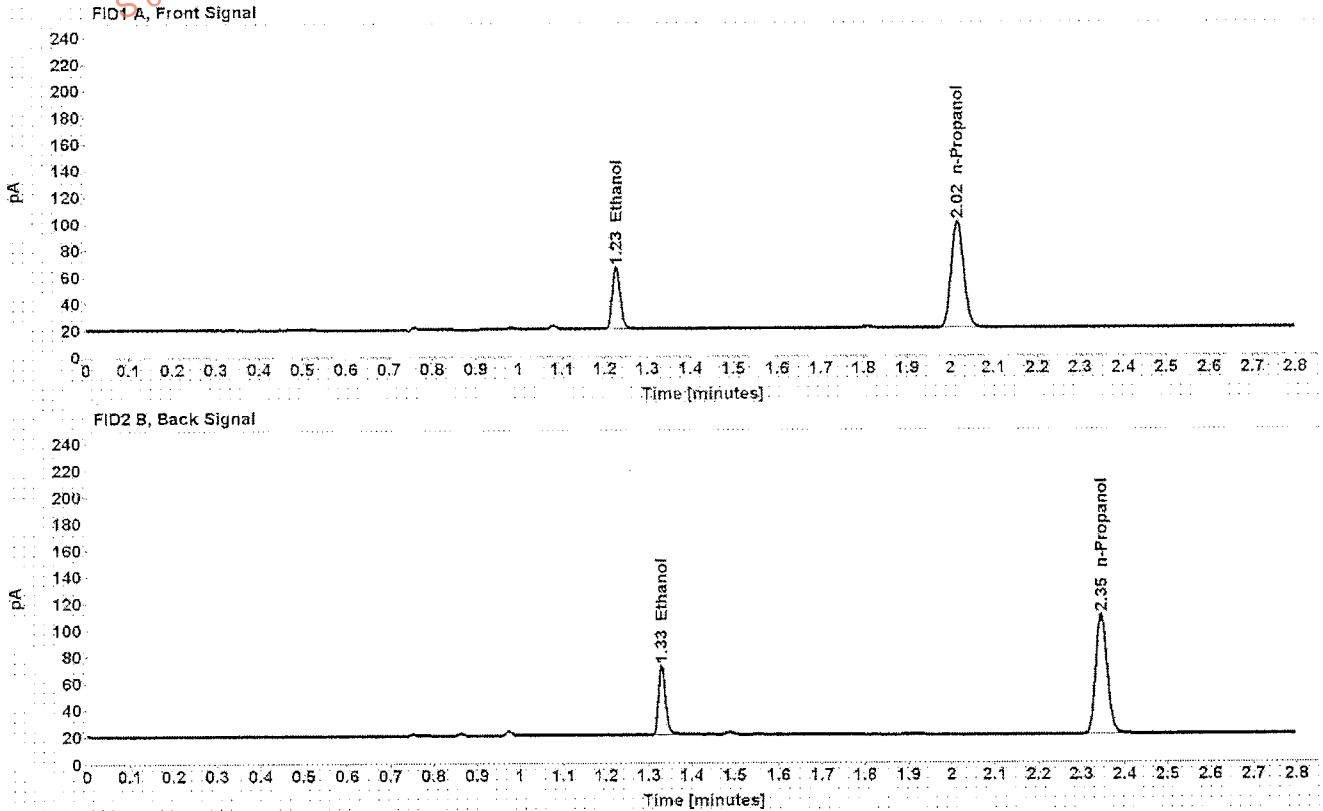


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1049	1.227	59.751
n-Propanol	-----	2.017	163.372

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

Compound	Time (min)	Peak Area
Ethanol	1.329	60.787
n-Propanol	2.346	166.707

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1102989
Injection date: 8/16/2016 6:18:48 PM	Vial: 26
Method: ethanol quant M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\26.D	

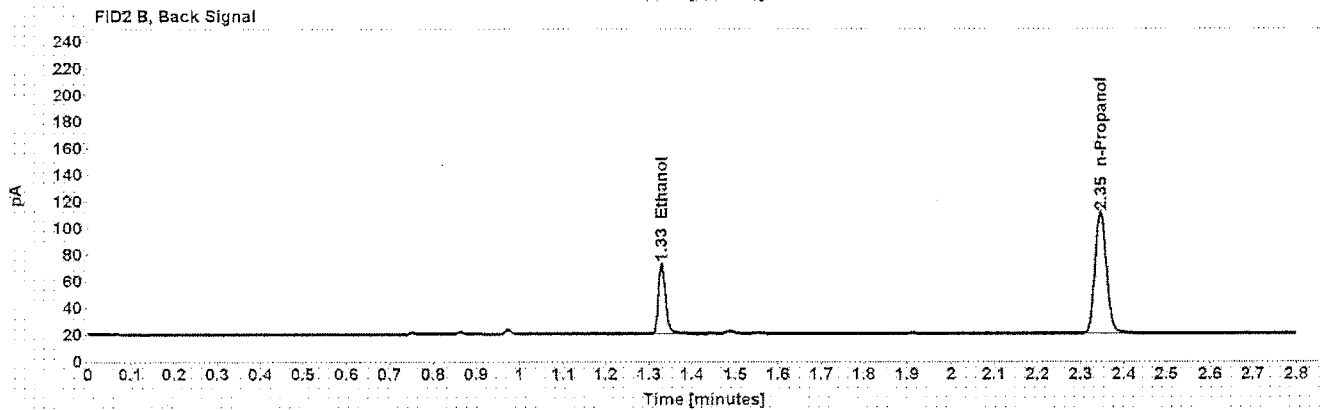
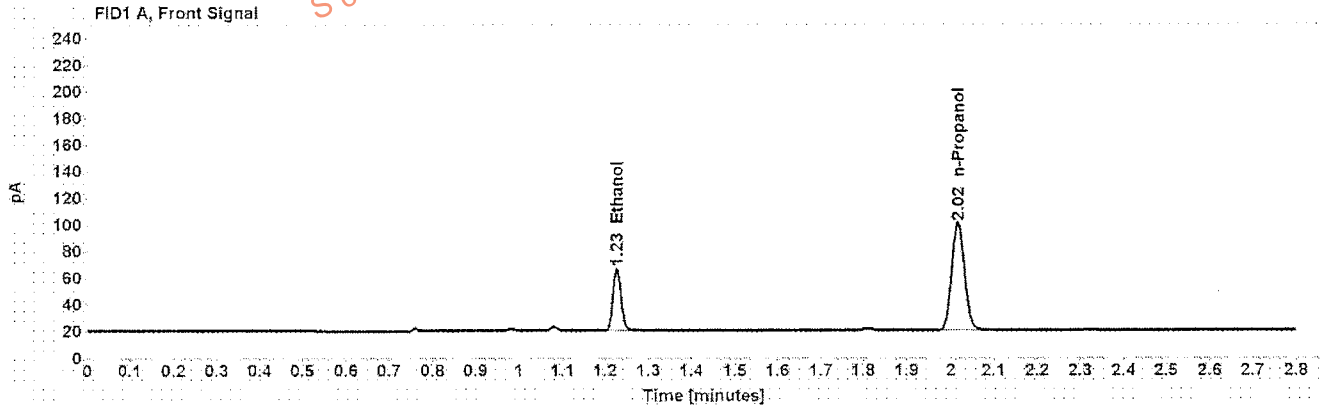


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1050	1.227	60.452
n-Propanol	-----	2.017	165.056

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

Compound	Time (min)	Peak Area
Ethanol	1.329	61.445
n-Propanol	2.346	168.446

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1104264
Injection date: 8/16/2016 6:22:48 PM	Vial: 27
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\27.D	

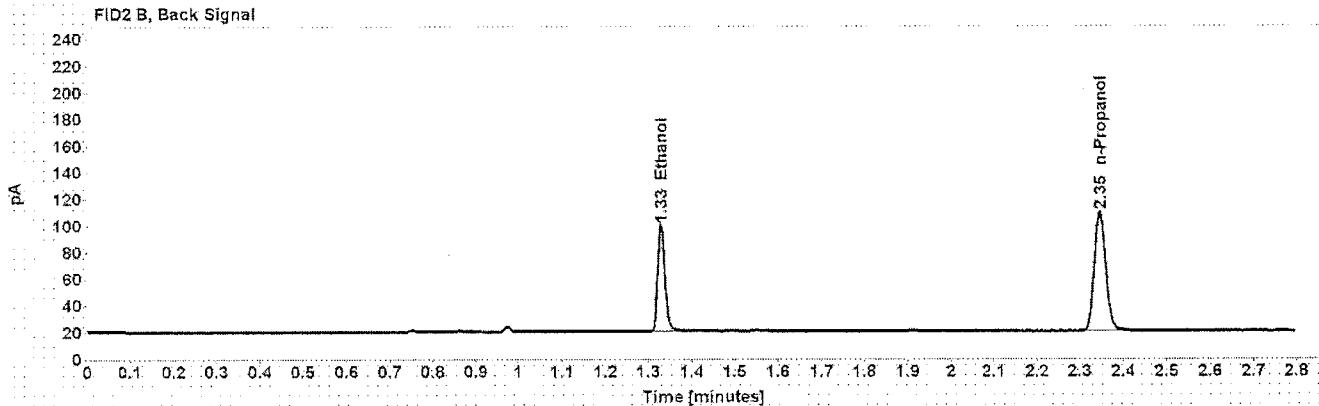
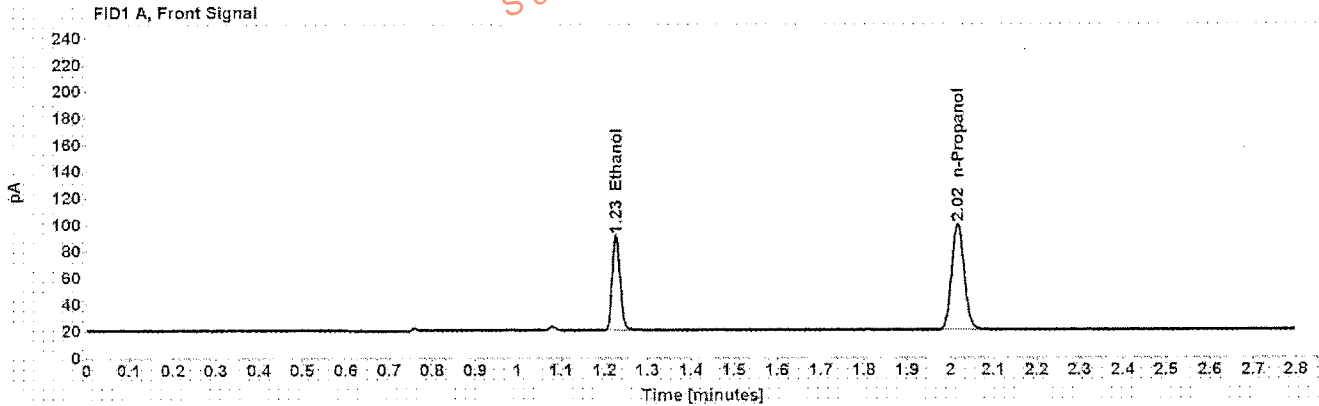


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1611	1.226	91.721
n-Propanol	-----	2.017	162.640

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

Compound	Time (min)	Peak Area
Ethanol	1.329	93.448
n-Propanol	2.346	166.345

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1104264
Injection date: 8/16/2016 6:26:47 PM Vial: 28
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\28.D

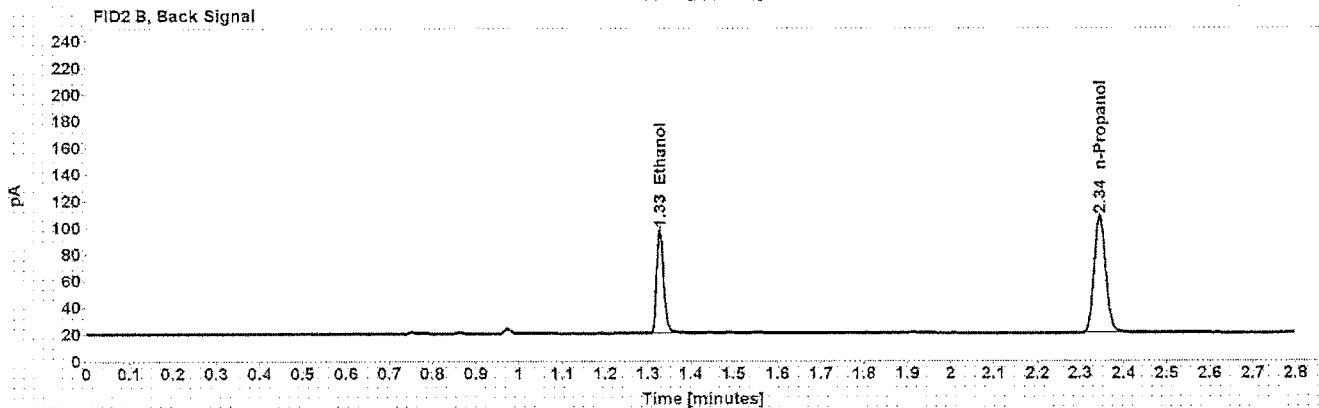
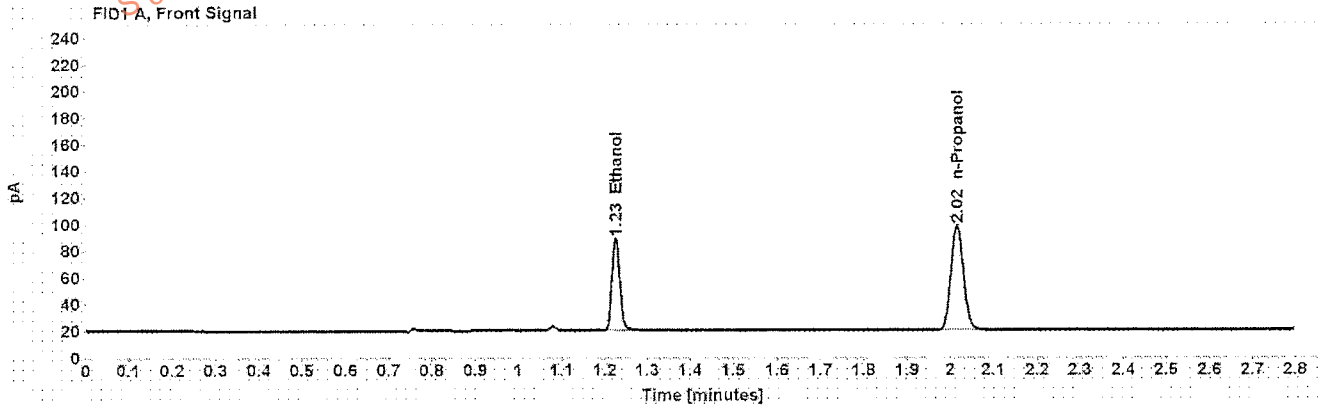


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1594	1.226	89.257
n-Propanol	-----	2.016	159.976

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

Compound	Time (min)	Peak Area
Ethanol	1.328	90.980
n-Propanol	2.345	163.796

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1103025
Injection date: 8/16/2016 6:30:47 PM	Vial: 29
Method: ethanol quant M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\29.D	

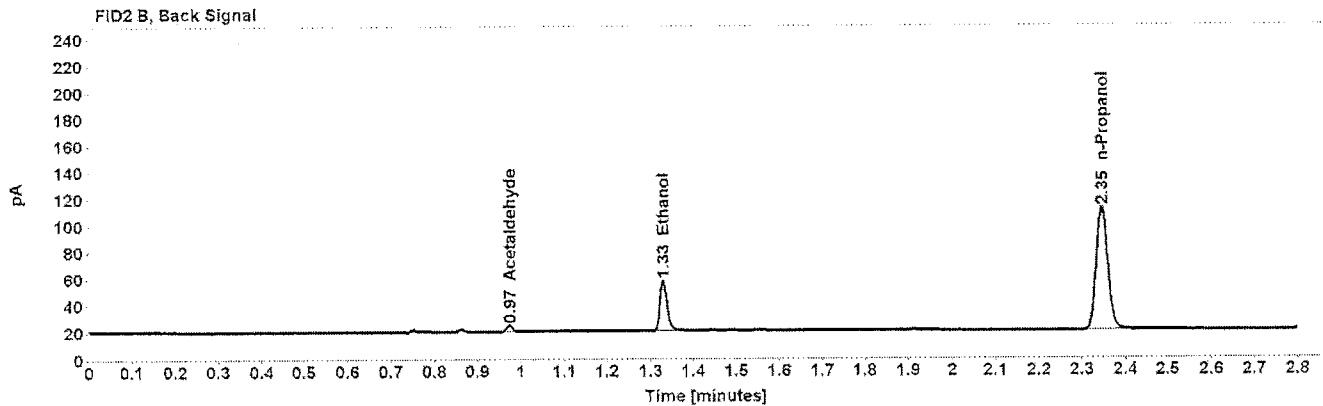
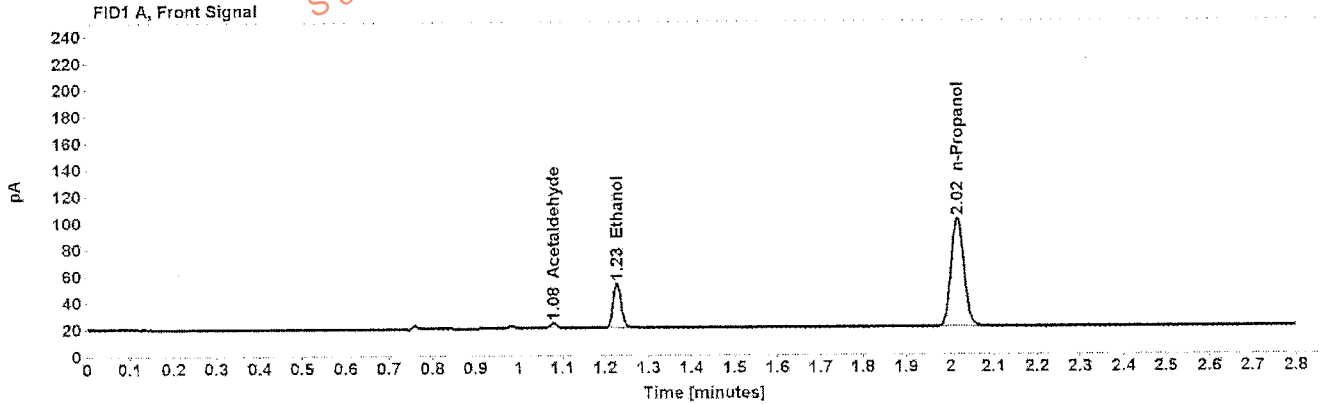


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.172
>Ethanol	0.0749	1.227	43.473
n-Propanol	-----	2.017	167.060

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.359
Ethanol	1.330	44.777
n-Propanol	2.346	170.677

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1103025
Injection date: 8/16/2016 6:34:48 PM	Vial: 30
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\30.D	

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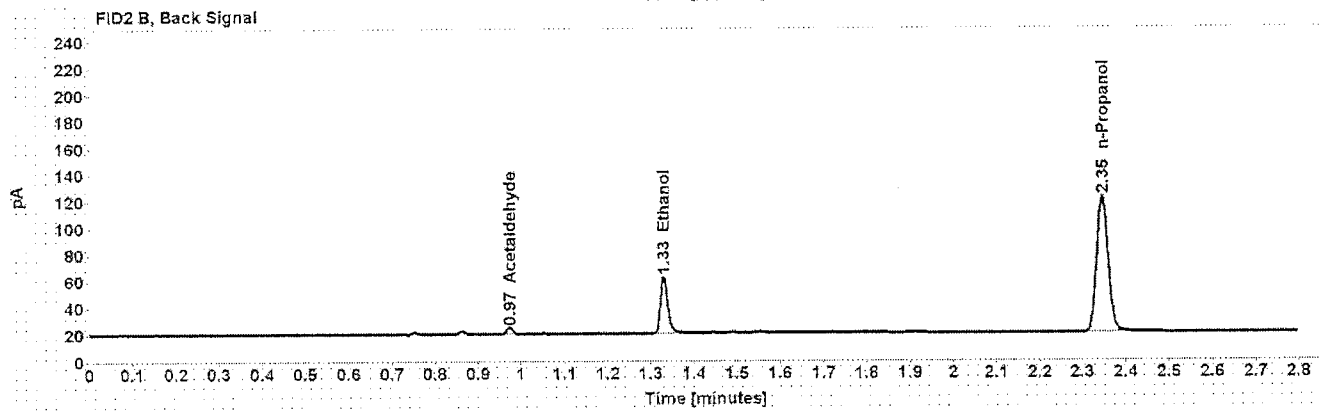
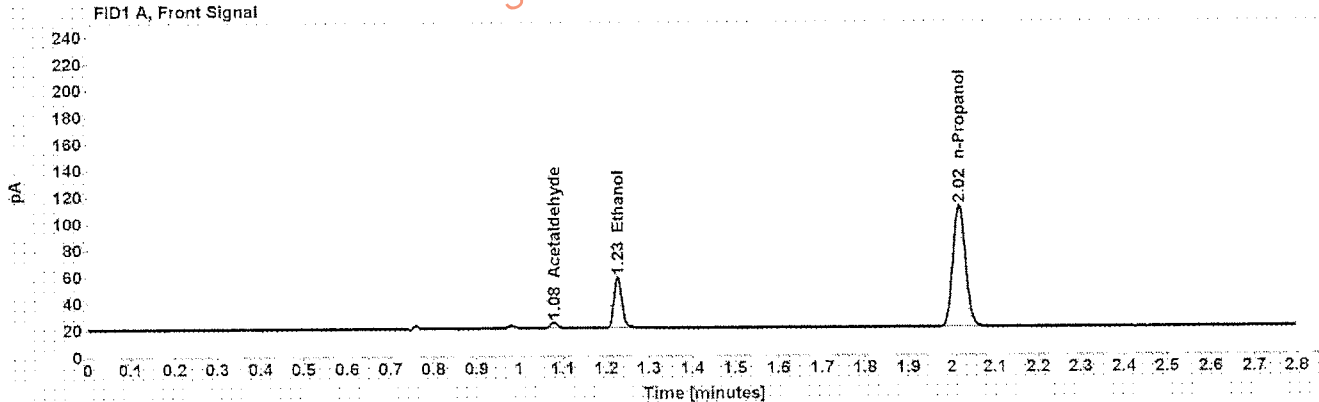


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.467
>Ethanol	0.0758	1.227	48.995
n-Propanol	-----	2.017	185.999

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.645
Ethanol	1.330	50.346
n-Propanol	2.346	189.999

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1104509
Injection date: 8/16/2016 6:43:03 PM Vial: 32
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\32.D

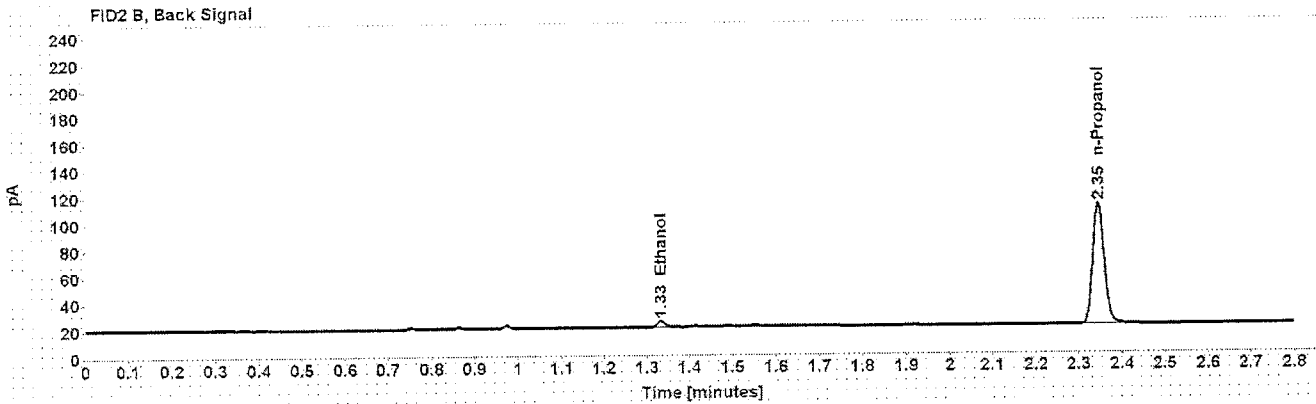
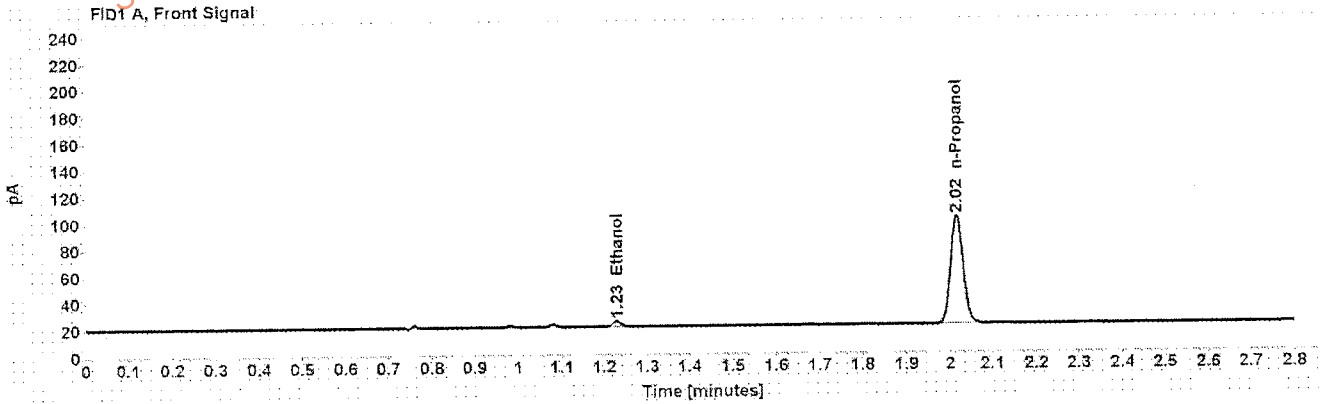


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0103	1.229	5.377
n-Propanol	-----	2.017	165.518

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

Compound	Time (min)	Peak Area
Ethanol	1.333	5.675
n-Propanol	2.346	168.963

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1104509
Injection date: 8/16/2016 6:47:03 PM Vial: 33
Method: ethanol quant M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem321\1\Data\16Aug16\33.D

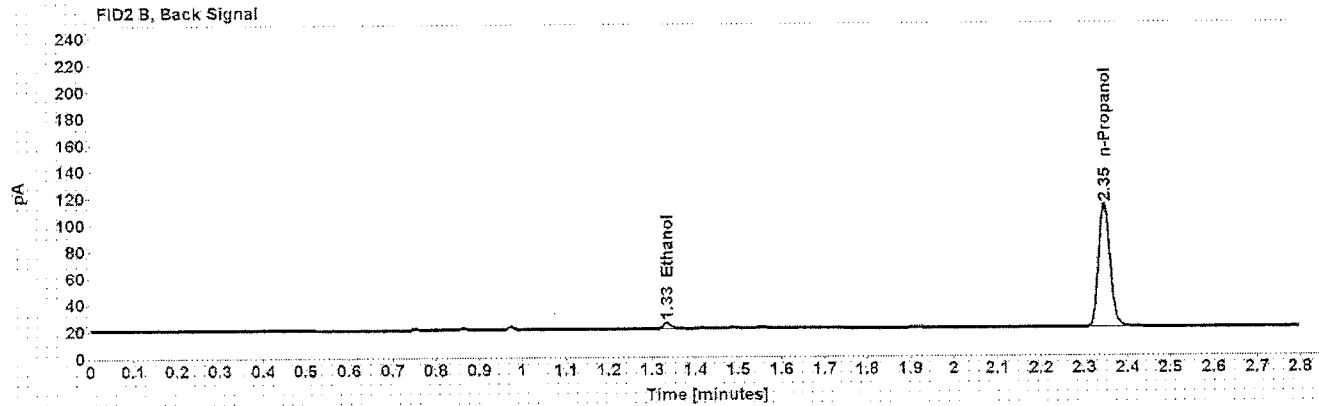
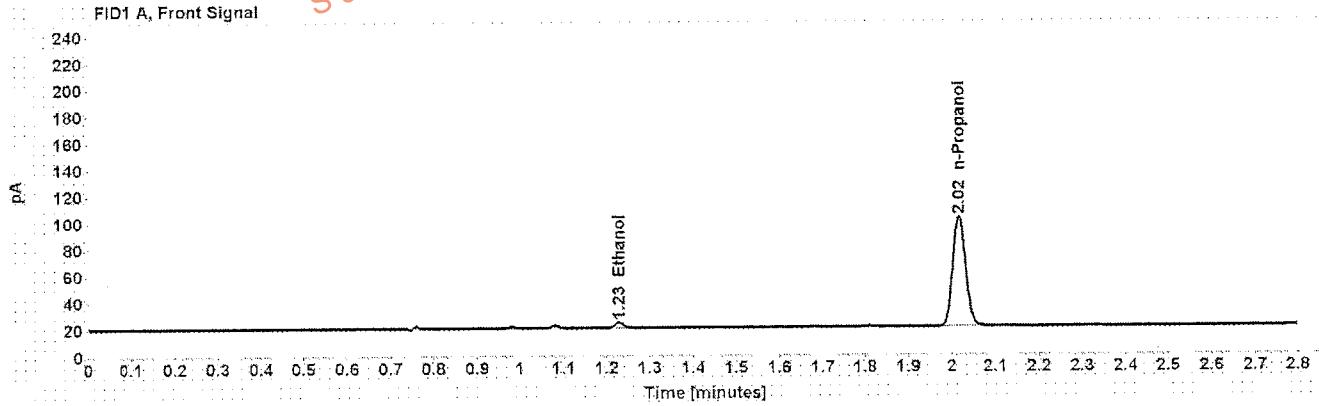


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0103	1.229	5.416
n-Propanol	-----	2.017	168.163

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

Compound	Time (min)	Peak Area
Ethanol	1.333	5.789
n-Propanol	2.346	171.768

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102878
Injection date: 8/16/2016 6:51:05 PM Vial: 34
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\34.D

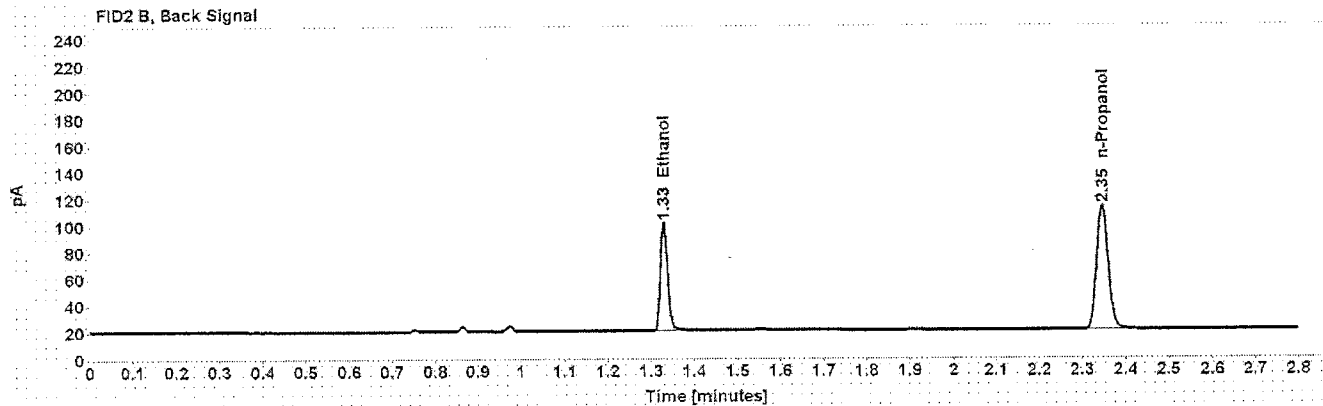
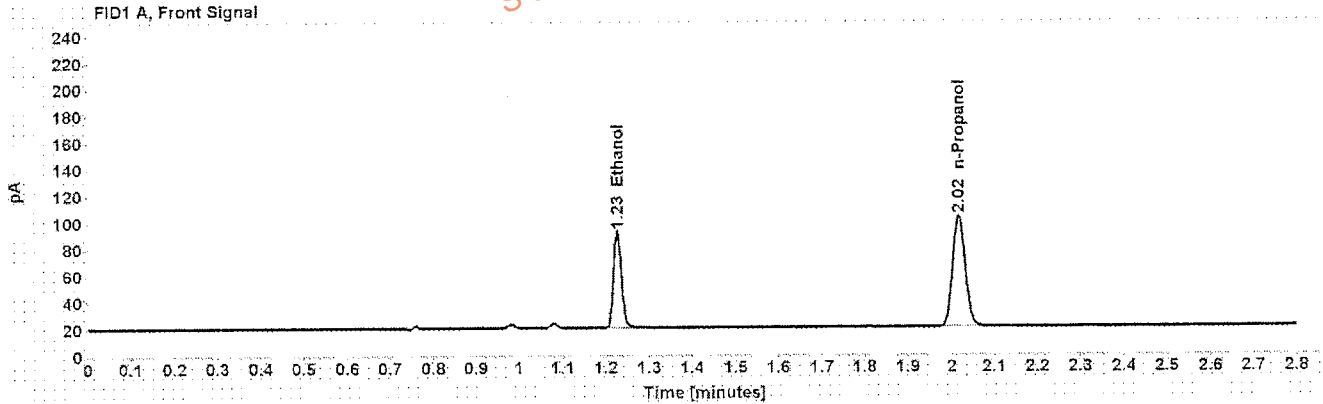


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1567	1.227	92.940
n-Propanol	-----	2.017	169.439

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

Compound	Time (min)	Peak Area
Ethanol	1.329	94.603
n-Propanol	2.346	173.290

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1102878
Injection date: 8/16/2016 6:55:04 PM Vial: 35
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\35.D

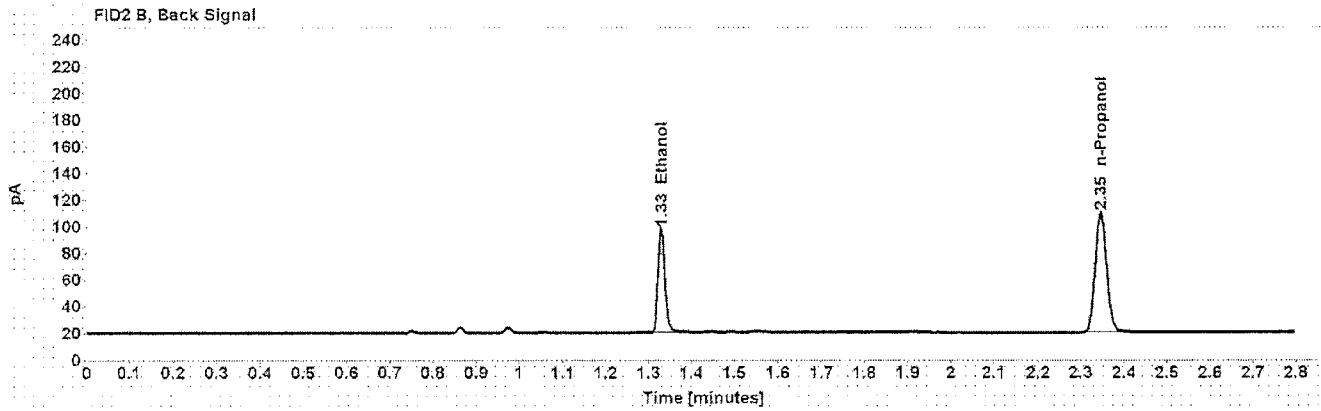
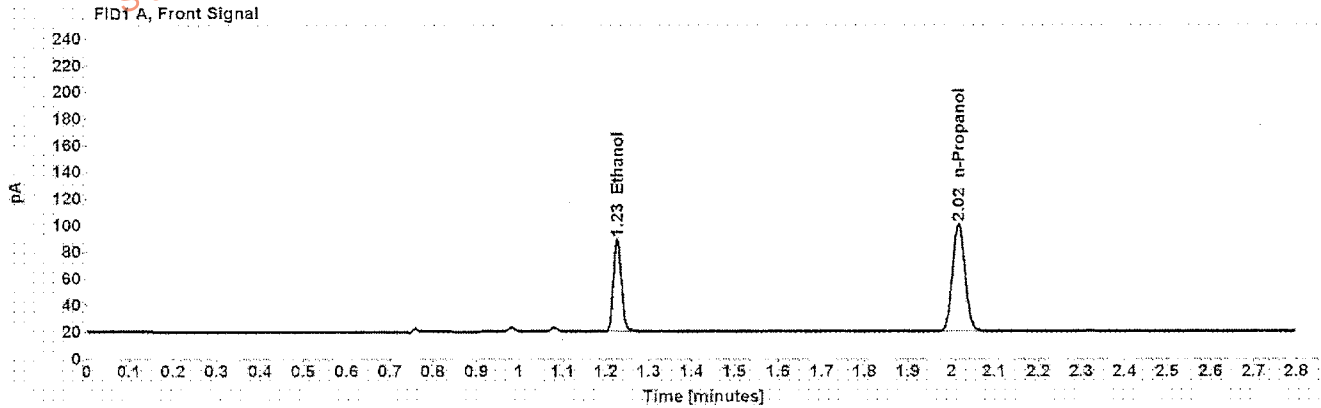


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1550	1.226	89.017
n-Propanol	-----	2.017	164.064

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

Compound	Time (min)	Peak Area
Ethanol	1.329	90.645
n-Propanol	2.346	167.572

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1103490
Injection date: 8/16/2016 6:59:03 PM Vial: 36
Method: ethanol quant M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\36.D

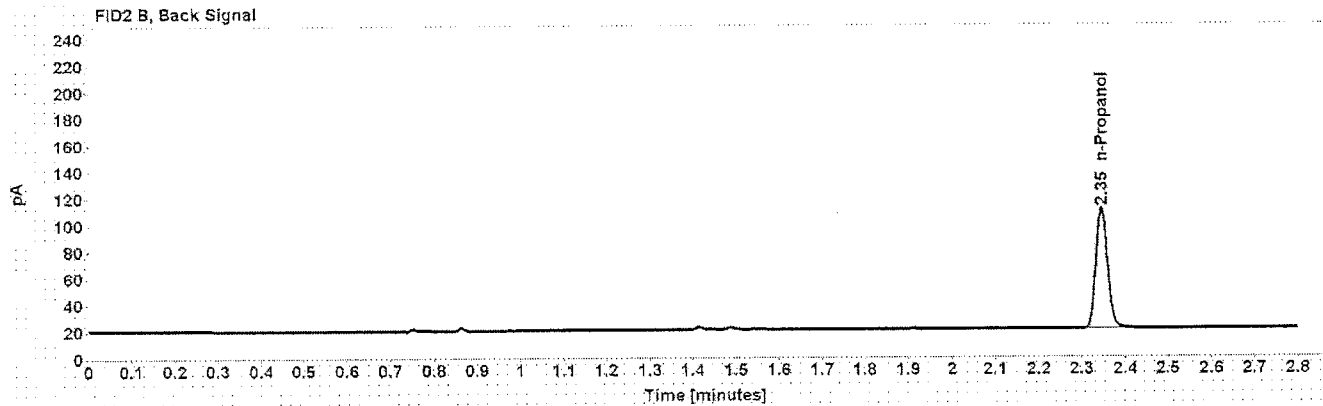
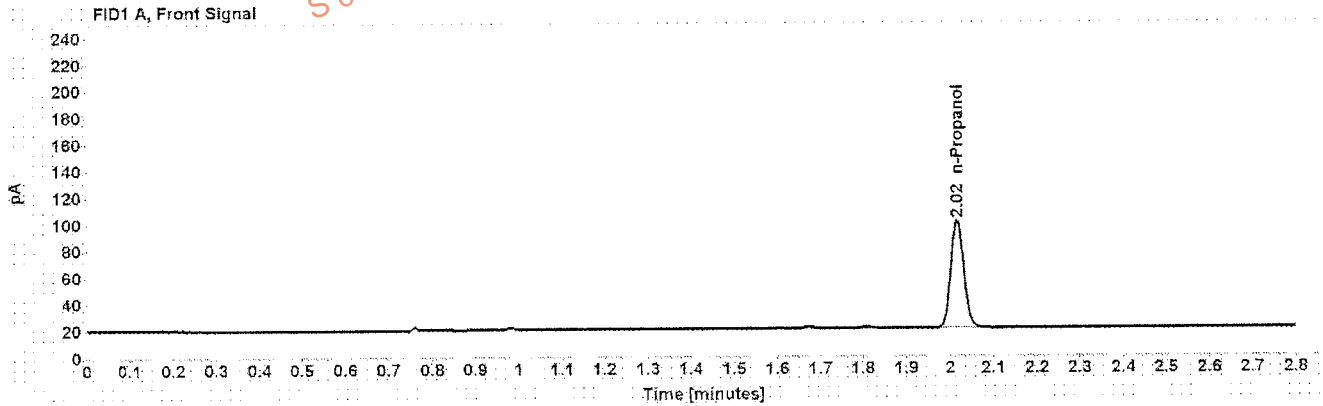


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	165.379

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	168.631

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1103490
Injection date: 8/16/2016 7:03:18 PM Vial: 37
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\37.D

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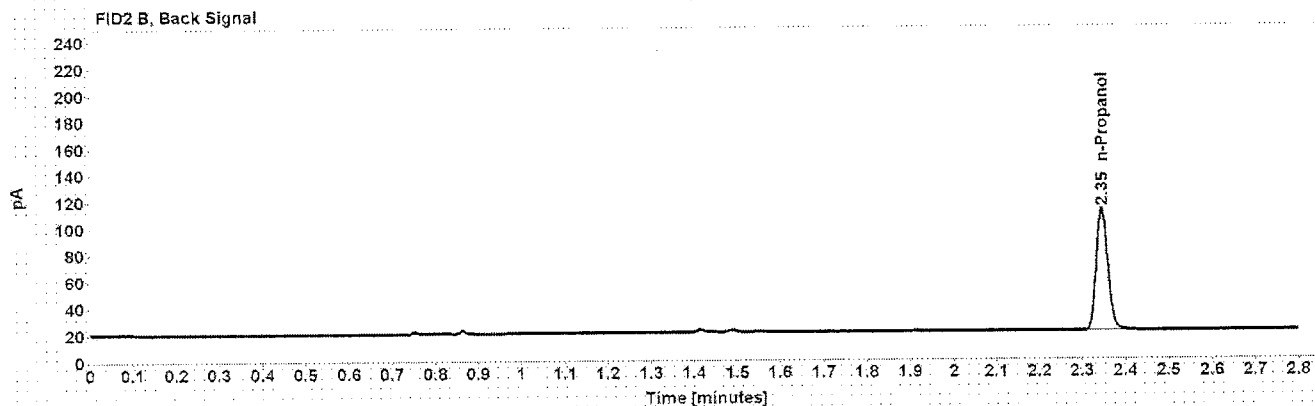
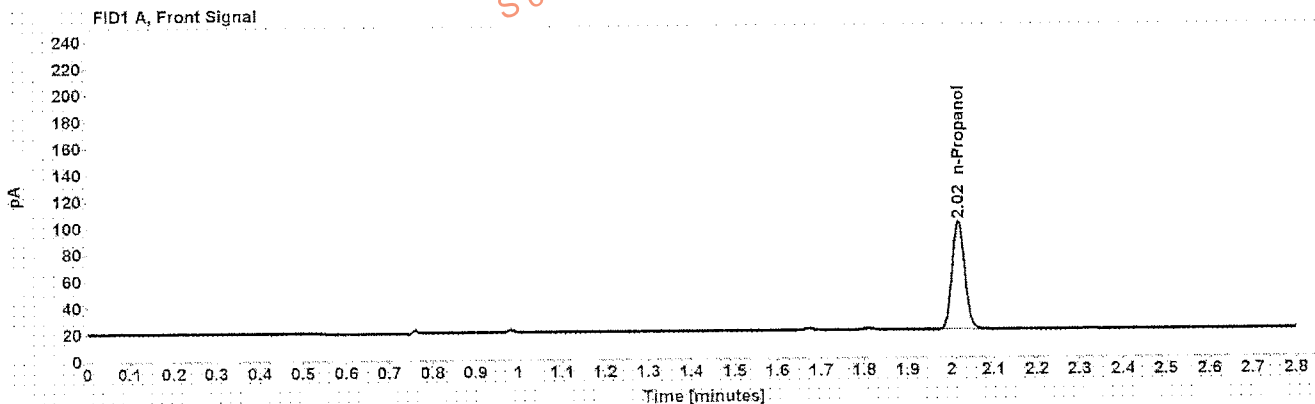


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	166.124

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	169.792

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1616243
Injection date: 8/16/2016 7:07:17 PM Vial: 38
Method: ethanol quant M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\38.D

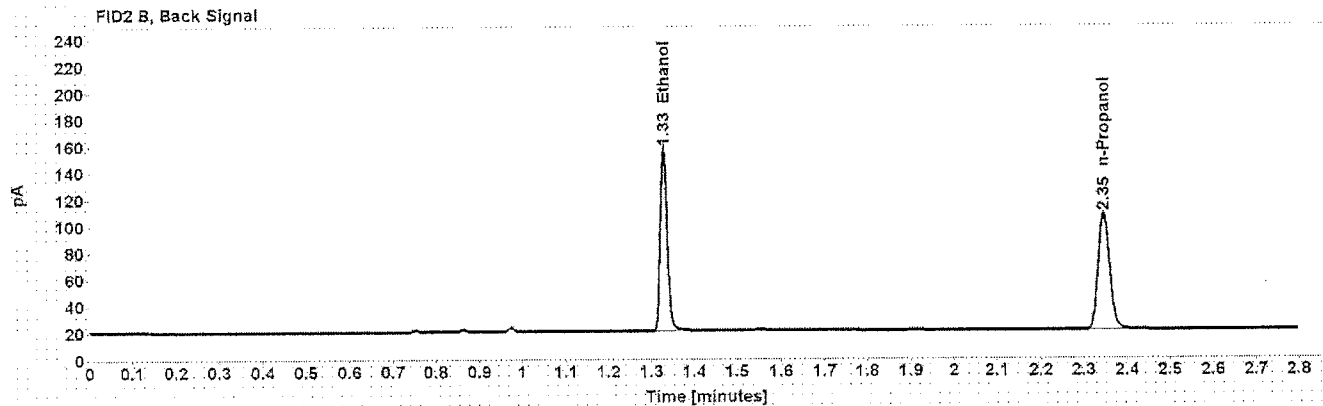
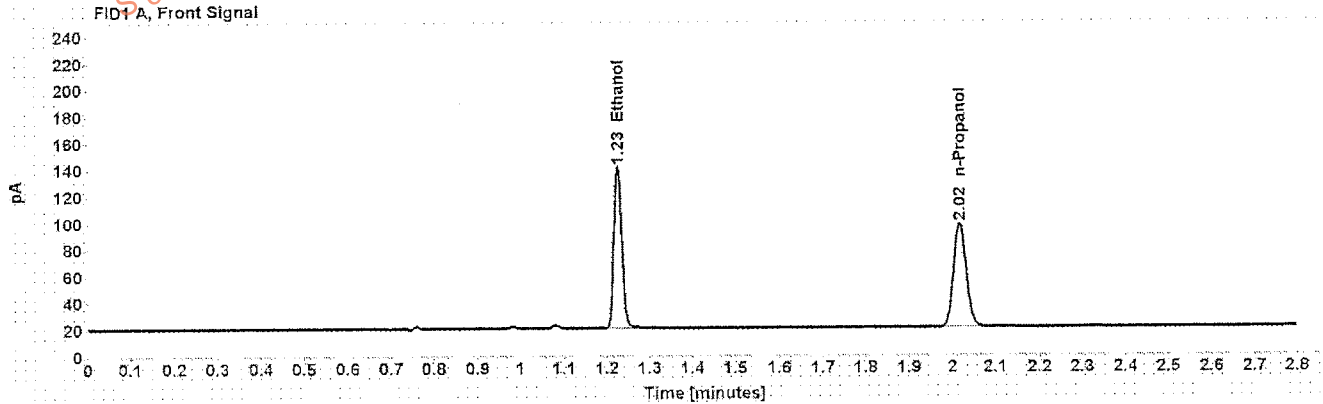


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2790	1.226	155.785
n-Propanol	-----	2.017	159.032

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

Compound	Time (min)	Peak Area
Ethanol	1.328	158.919
n-Propanol	2.346	162.306

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1616243
Injection date: 8/16/2016 7:11:17 PM Vial: 39
Method: ethanol quant M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\39.D

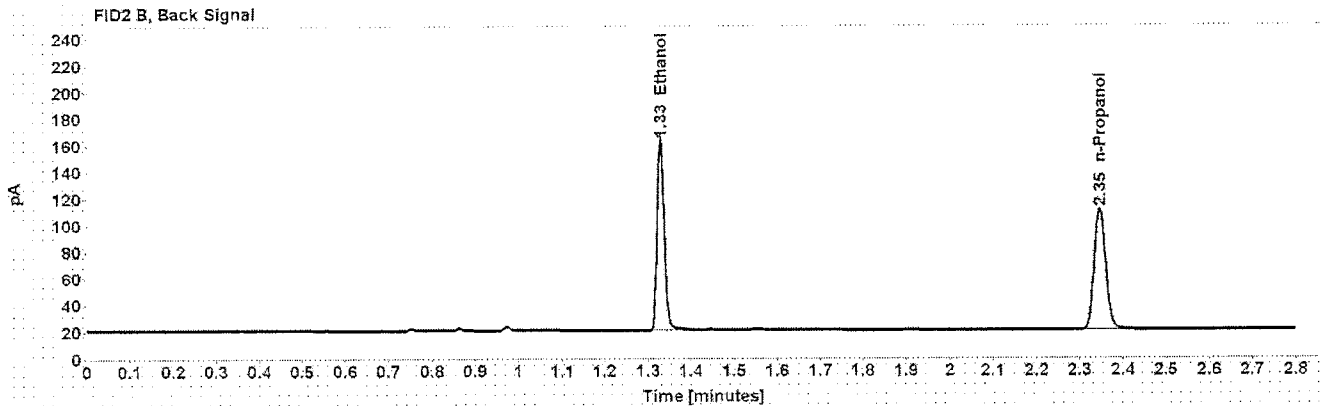
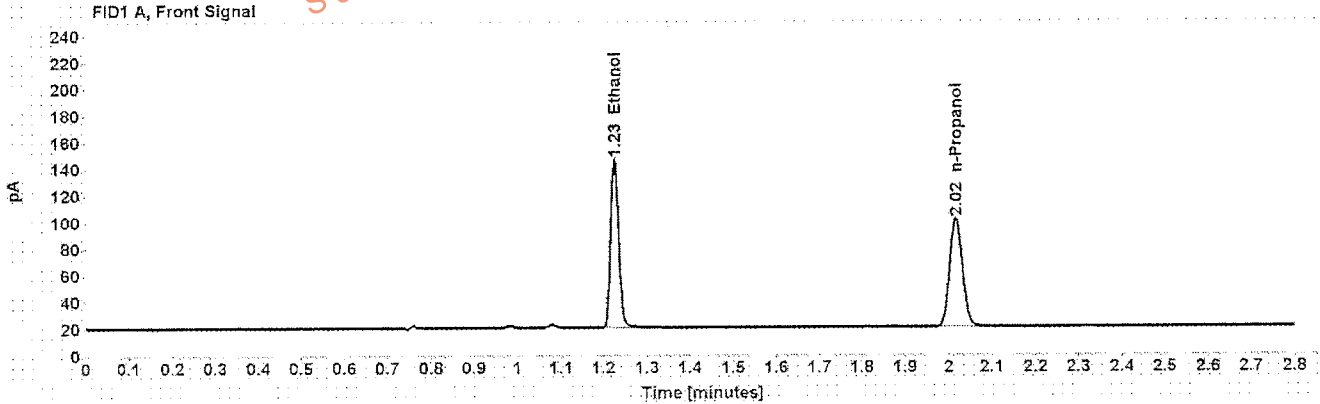


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2800	1.226	162.648
n-Propanol	-----	2.017	165.442

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

Compound	Time (min)	Peak Area
Ethanol	1.329	165.522
n-Propanol	2.346	169.052

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1105600
Injection date: 8/16/2016 7:15:19 PM	Vial: 40
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\40.D	

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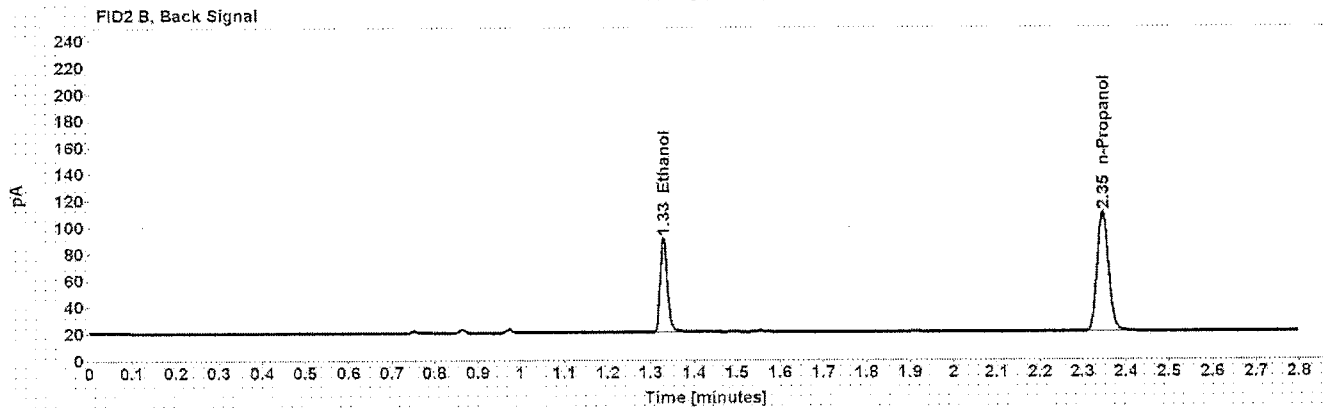
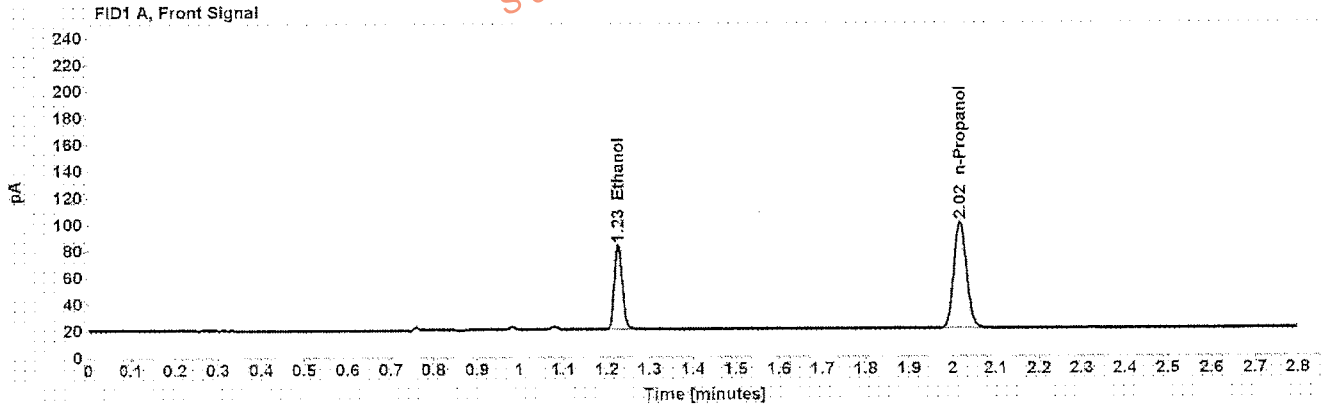


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1425	1.227	81.473
n-Propanol	-----	2.017	163.487

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

Compound	Time (min)	Peak Area
Ethanol	1.329	82.847
n-Propanol	2.346	166.912

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1105600
Injection date: 8/16/2016 7:19:18 PM Vial: 41
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\41.D

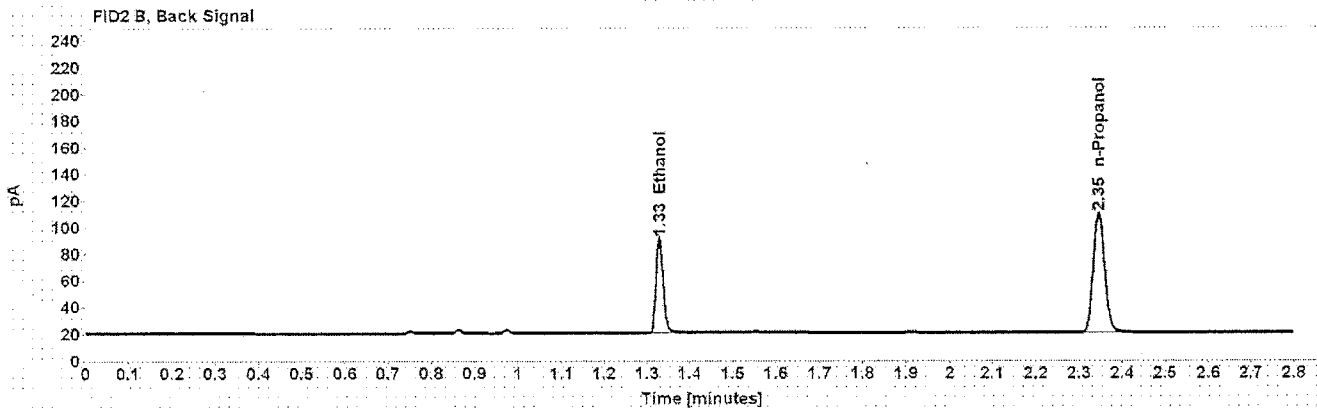
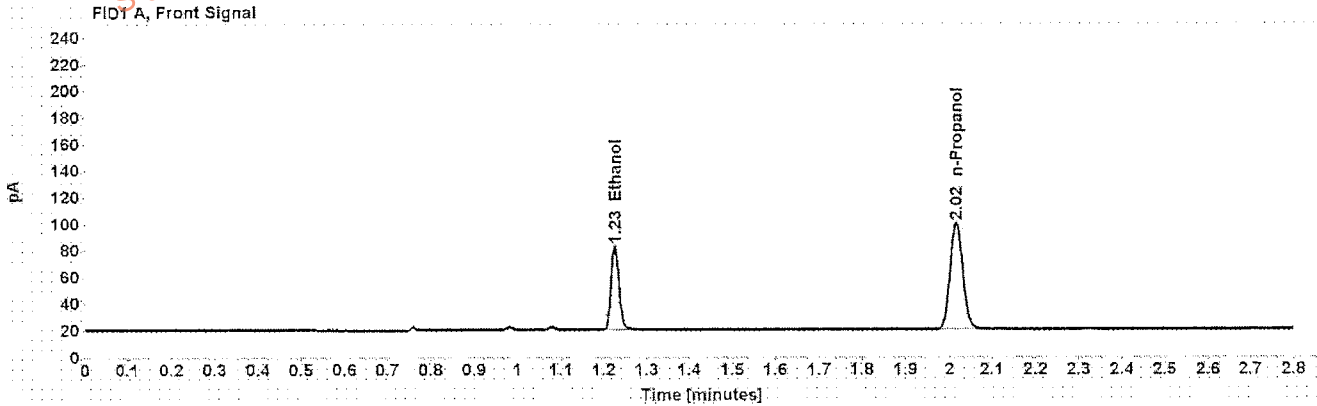


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1416	1.226	81.002
n-Propanol	-----	2.016	163.518

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

Compound	Time (min)	Peak Area
Ethanol	1.328	82.403
n-Propanol	2.345	166.851

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1104800
Injection date: 8/16/2016 7:27:33 PM	Vial: 43
Method: ethanol quant M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem321\1\Data\16Aug16\43.D	

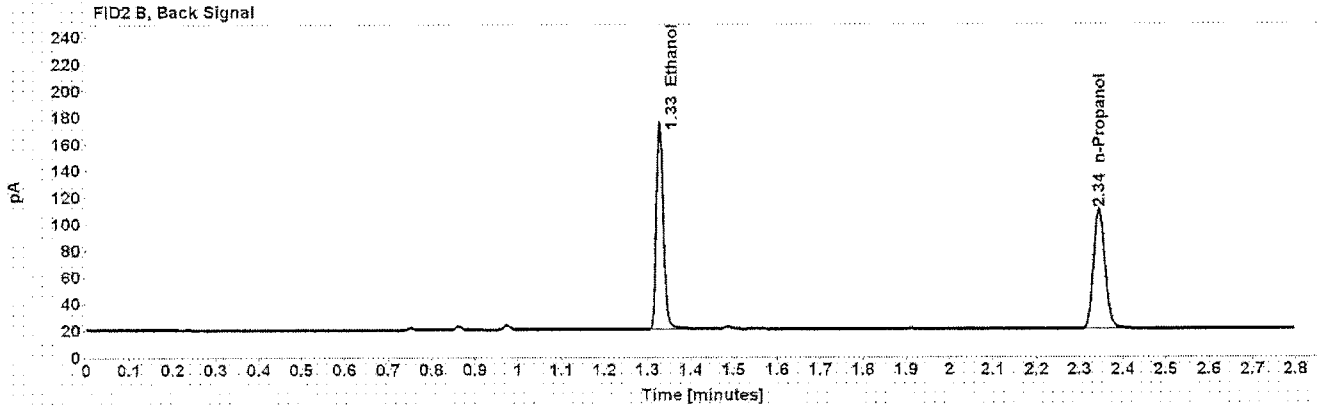
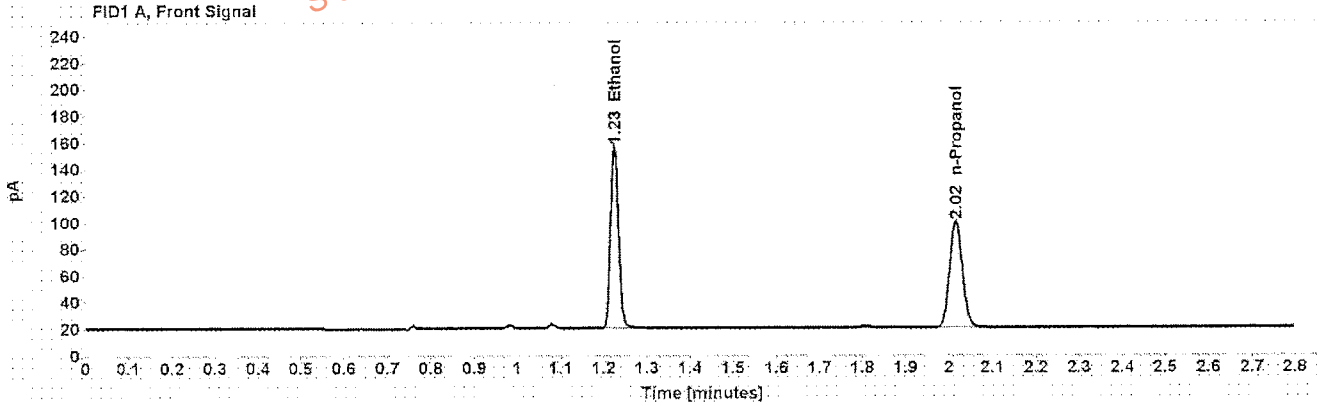


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3072	1.225	176.250
n-Propanol	-----	2.016	163.341

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

Compound	Time (min)	Peak Area
Ethanol	1.327	181.584
n-Propanol	2.345	166.579

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1104800
Injection date: 8/16/2016 7:31:32 PM Vial: 44
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\44.D

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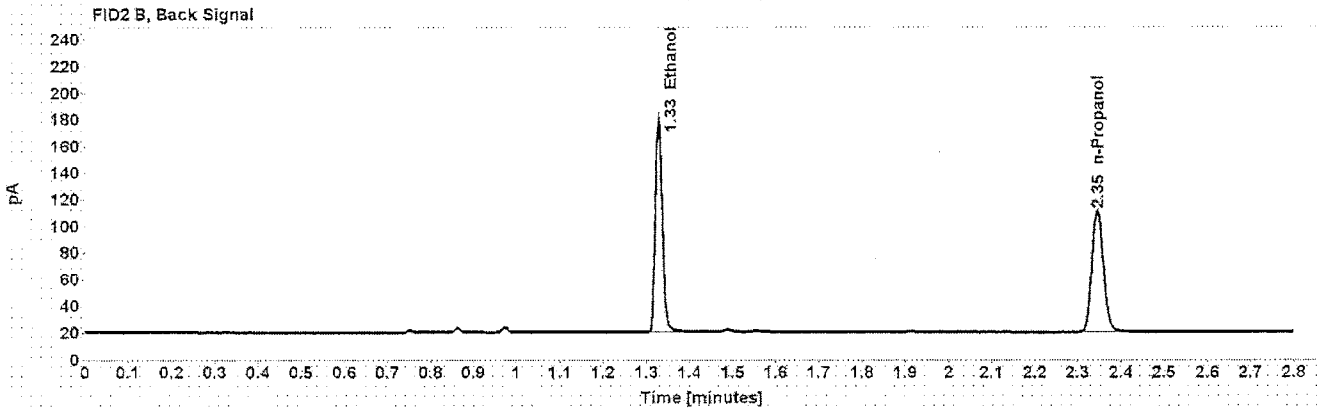
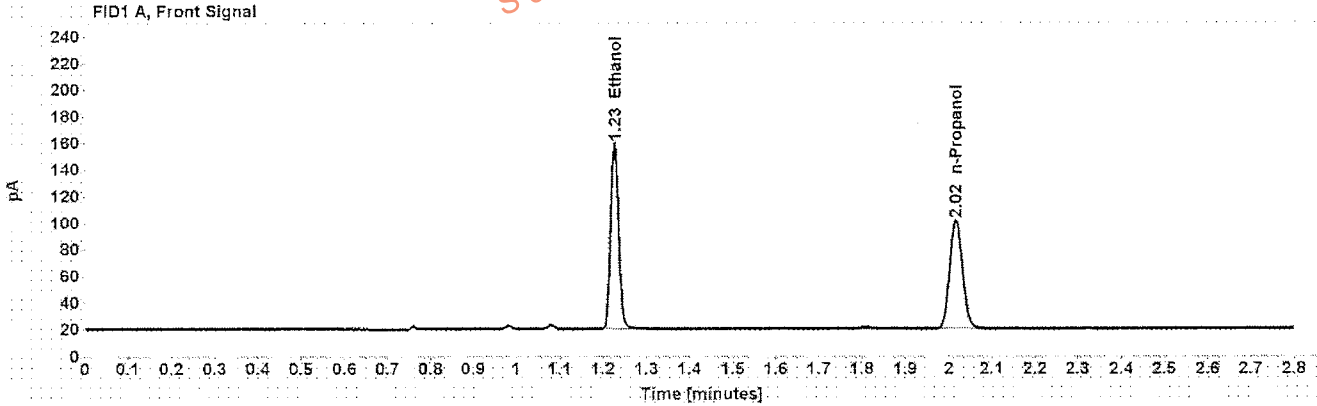


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3080	1.226	179.972
n-Propanol	-----	2.017	166.381

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

Compound	Time (min)	Peak Area
Ethanol	1.328	184.535
n-Propanol	2.346	169.697

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1105152
Injection date: 8/16/2016 7:35:34 PM Vial: 45
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\45.D

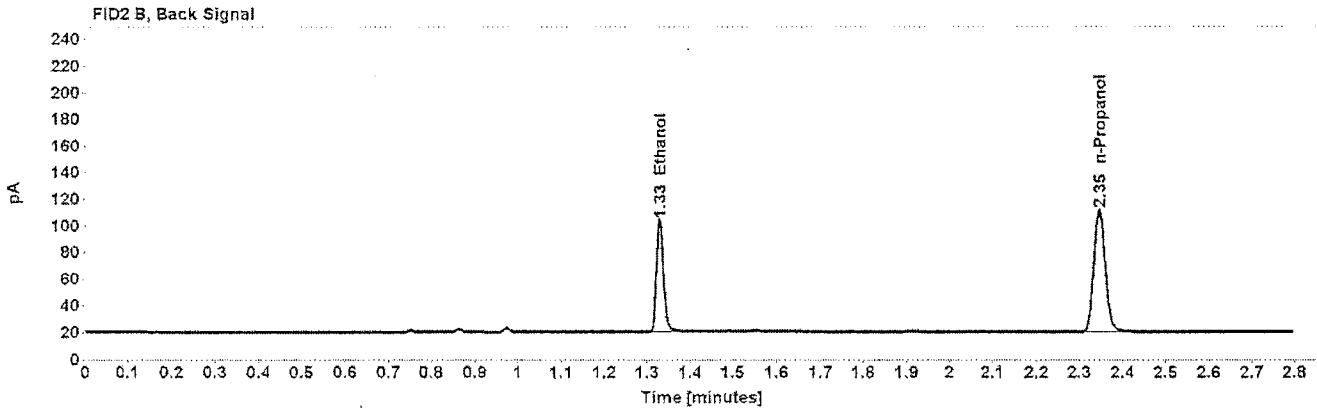
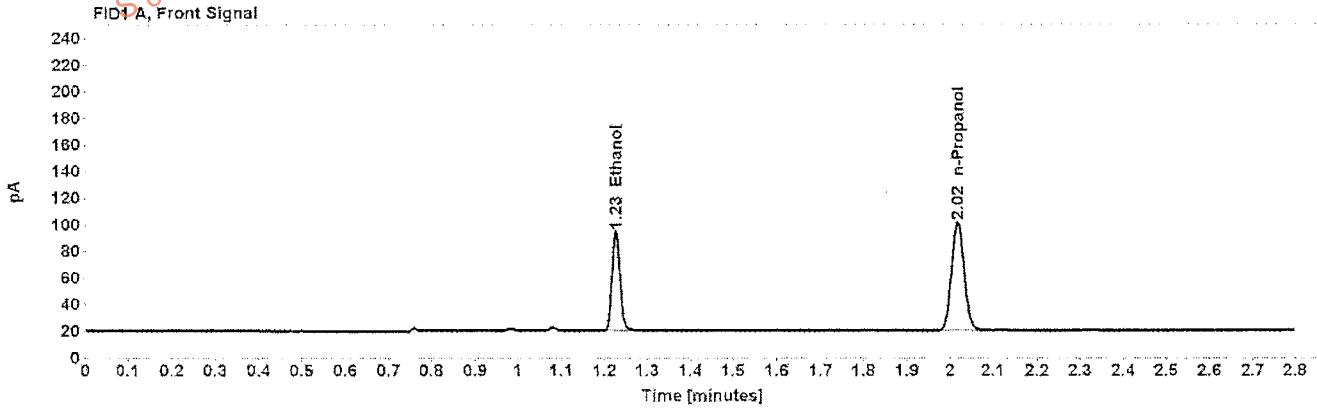


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1647	1.226	95.787
n-Propanol	-----	2.017	166.073

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

Compound	Time (min)	Peak Area
Ethanol	1.329	97.442
n-Propanol	2.346	169.406

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1105152
Injection date: 8/16/2016 7:39:33 PM Vial: 46
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\46.D

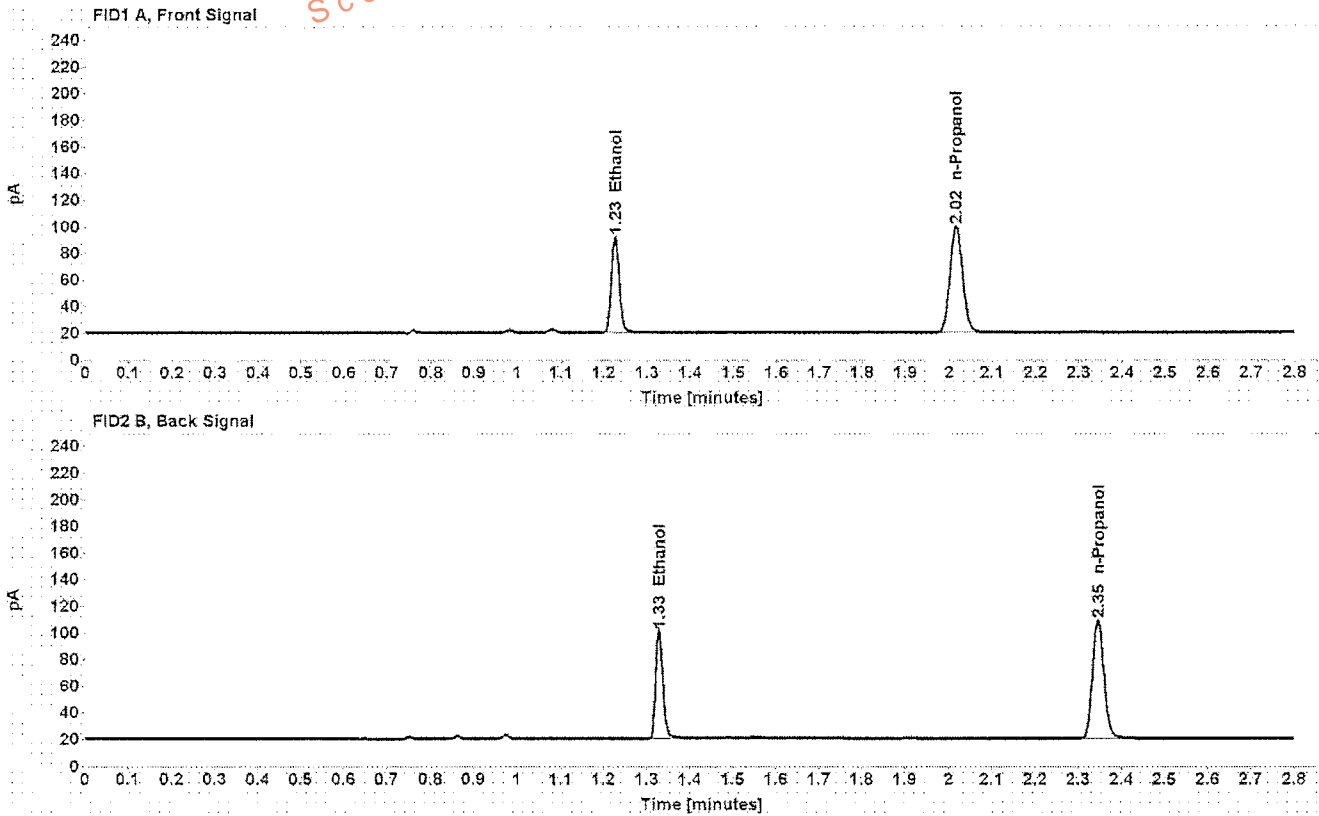


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1628	1.226	92.481
n-Propanol	-----	2.017	162.294

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

Compound	Time (min)	Peak Area
Ethanol	1.329	94.122
n-Propanol	2.346	165.403

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1076470
Injection date: 8/16/2016 7:43:32 PM	Vial: 47
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\47.D	

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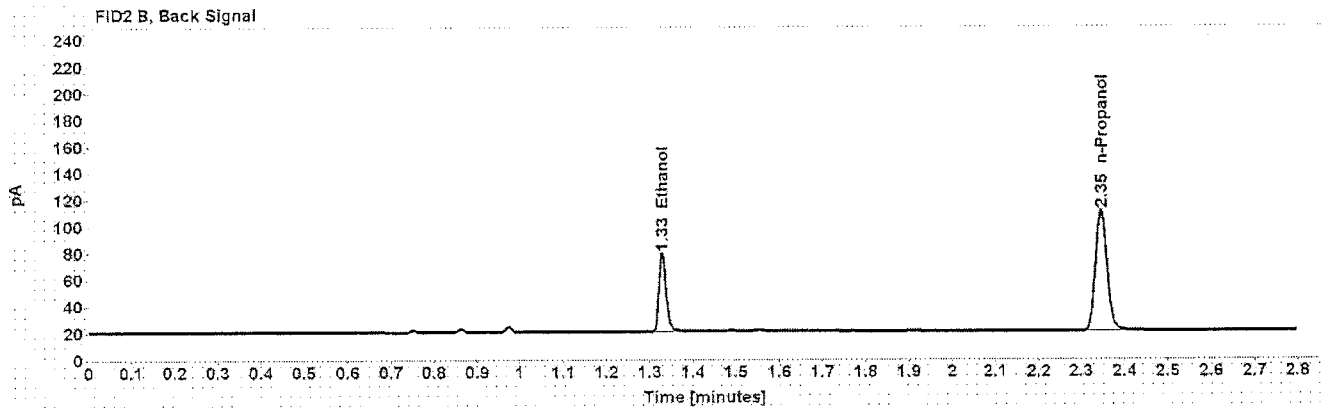
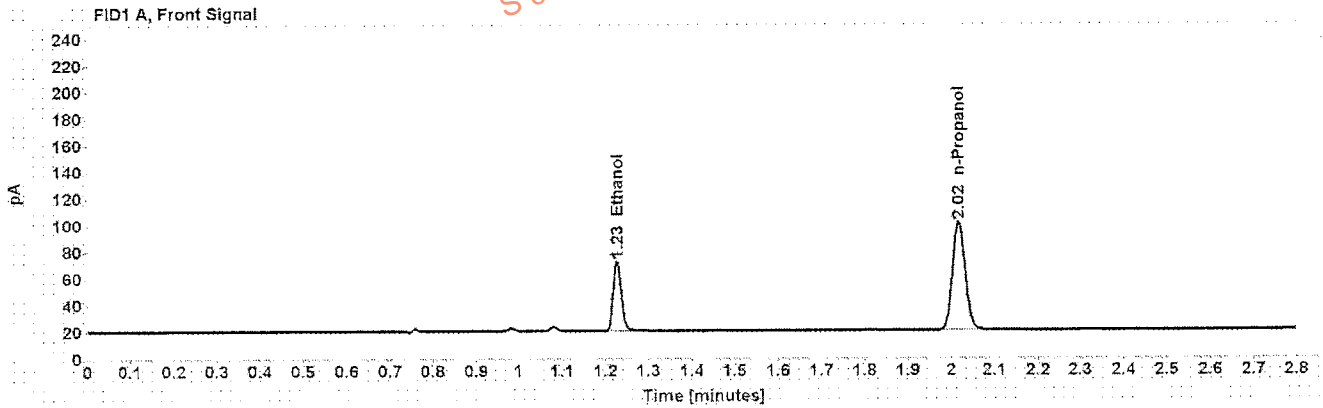


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1172	1.227	67.403
n-Propanol	-----	2.017	164.720

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

Compound	Time (min)	Peak Area
Ethanol	1.329	68.599
n-Propanol	2.346	168.359

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1076470
Injection date:	8/16/2016 7:47:33 PM	Vial:	48
Method:	ethanol quant.M	Sequence:	16Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\16Aug16\48.D		

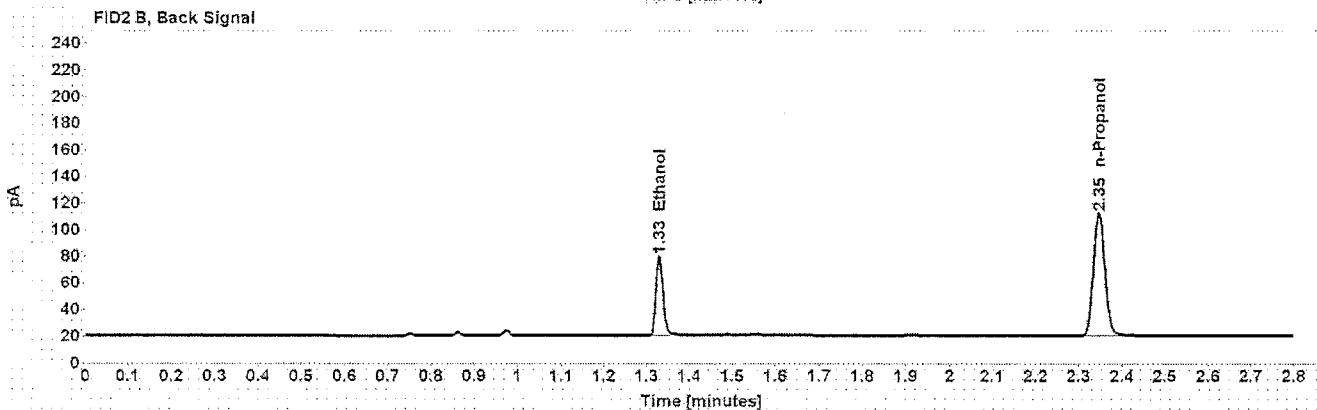
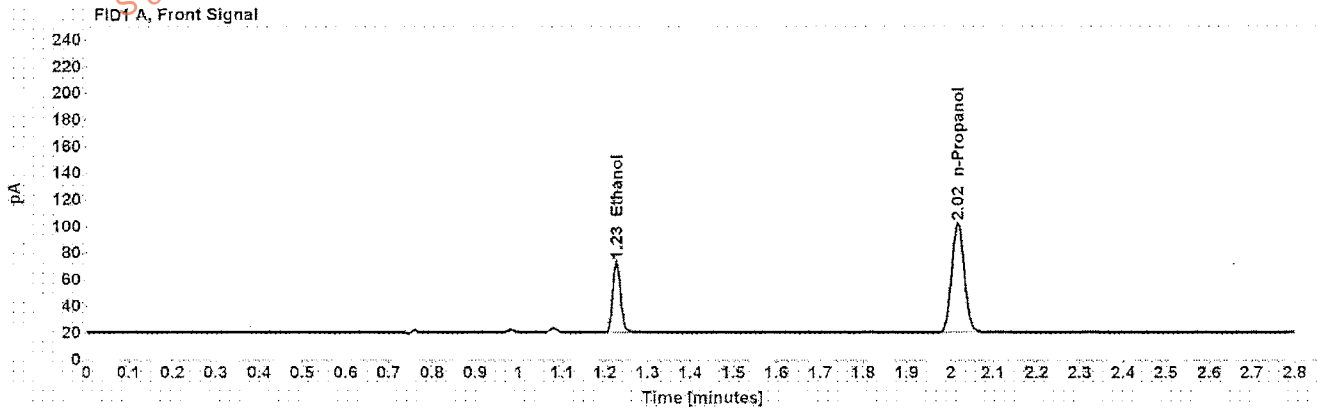


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1169	1.227	68.468
n-Propanol	-----	2.017	167.710

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

Compound	Time (min)	Peak Area
Ethanol	1.329	69.766
n-Propanol	2.346	171.325

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1106530
Injection date: 8/16/2016 7:51:47 PM Vial: 49
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem3211\Data\16Aug16\49.D

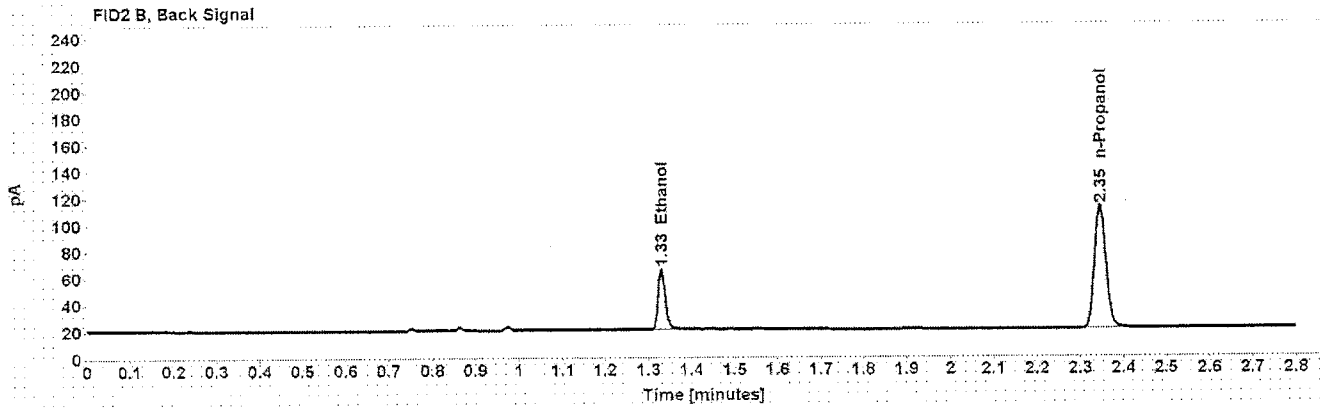
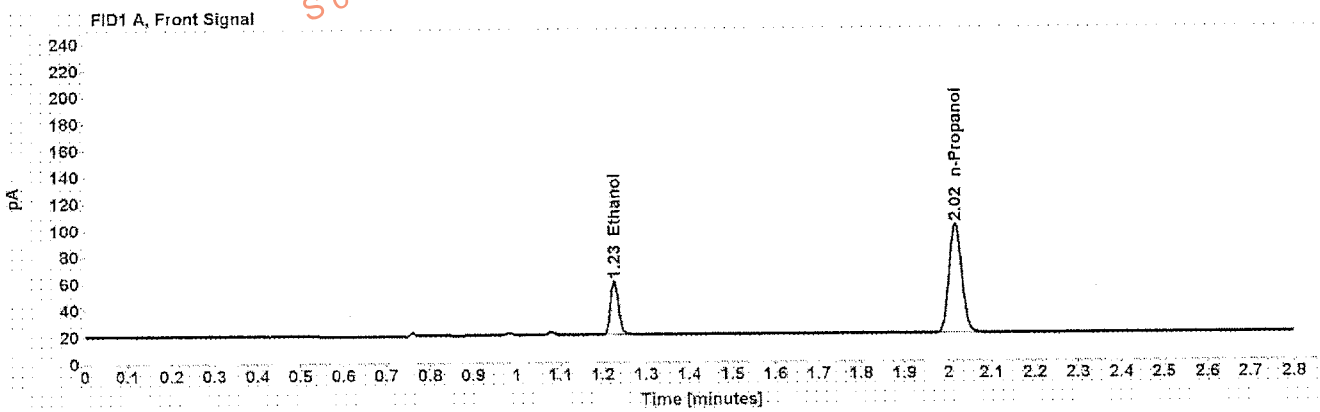


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0893	1.227	52.021
n-Propanol	-----	2.017	167.311

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

Compound	Time (min)	Peak Area
Ethanol	1.330	52.962
n-Propanol	2.346	170.741

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1106530
Injection date: 8/16/2016 7:55:48 PM	Vial: 50
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\50.D	

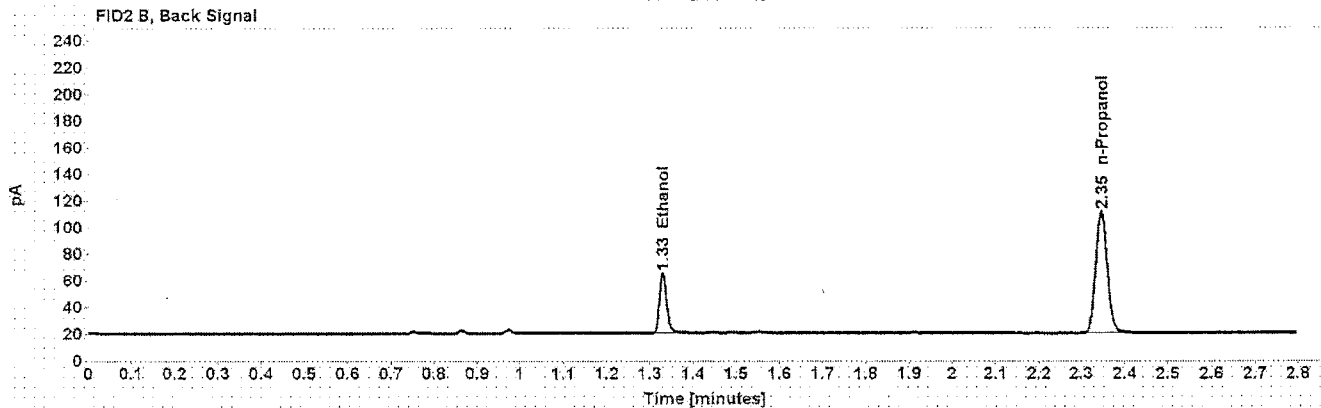
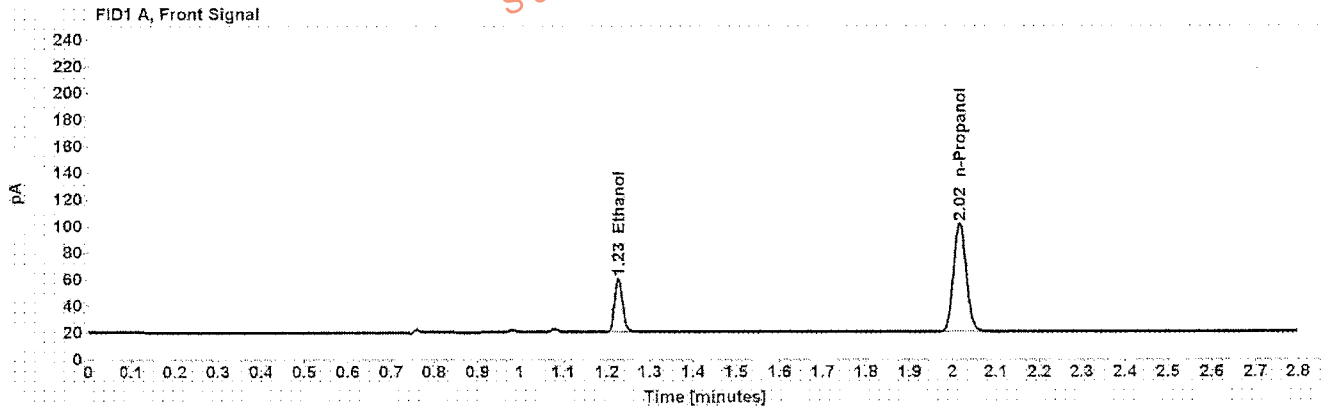


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0892	1.227	51.754
n-Propanol	-----	2.017	166.608

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

Compound	Time (min)	Peak Area
Ethanol	1.330	52.660
n-Propanol	2.346	170.002

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1106701
Injection date: 8/16/2016 7:59:47 PM	Vial: 51
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14473023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\51.D	

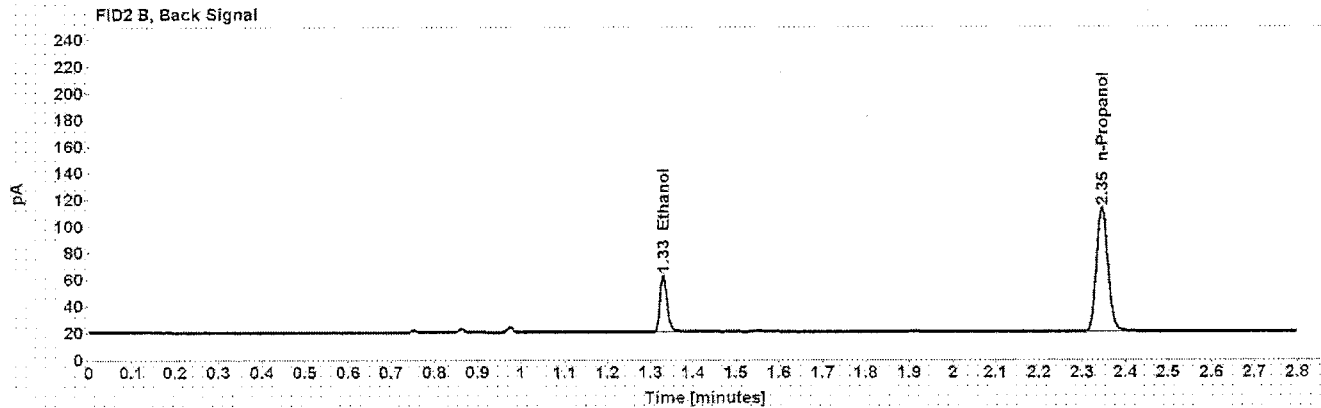
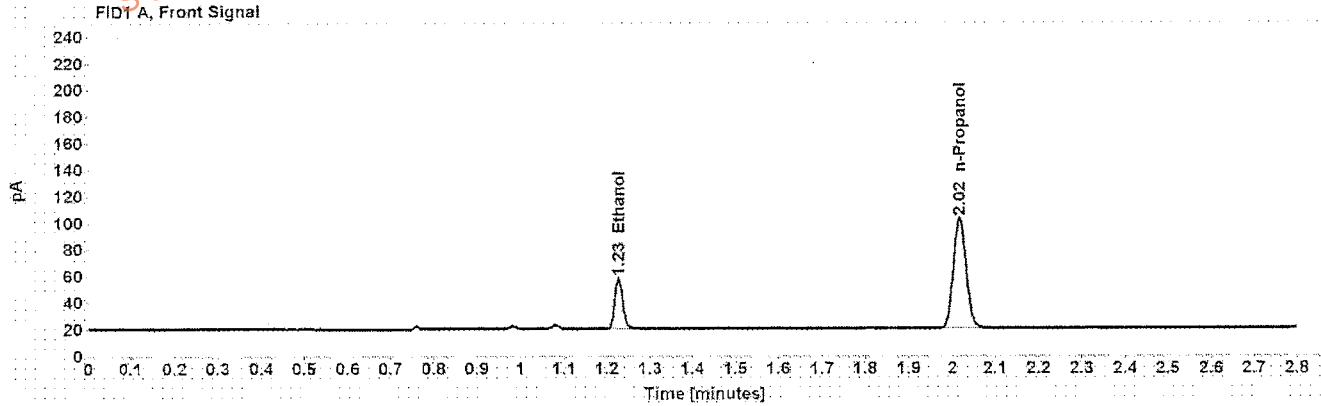


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0830	1.227	48.843
n-Propanol	-----	2.017	169.159

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

Compound	Time (min)	Peak Area
Ethanol	1.330	50.266
n-Propanol	2.346	172.889

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1106701
Injection date: 8/16/2016 8:03:47 PM	Vial: 52
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14473023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\52.D	

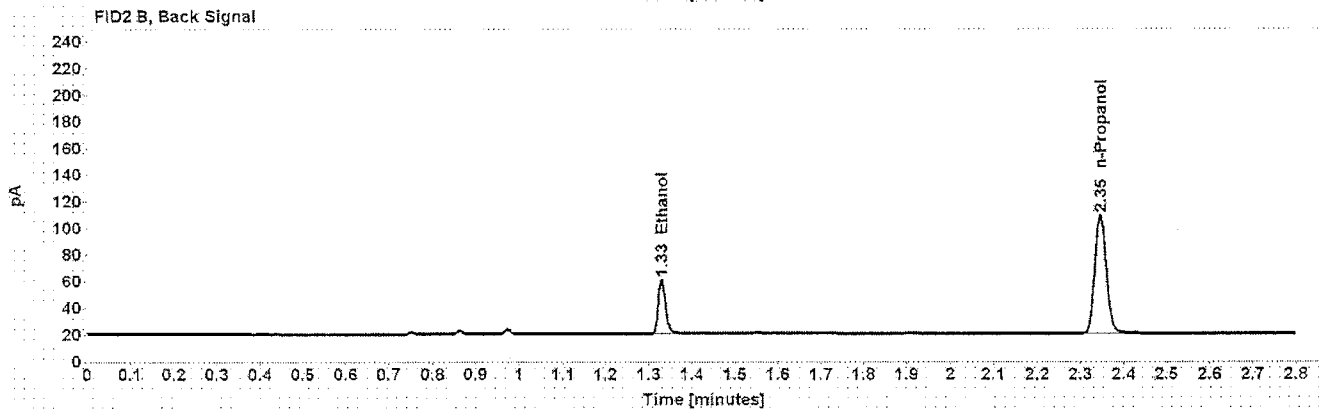
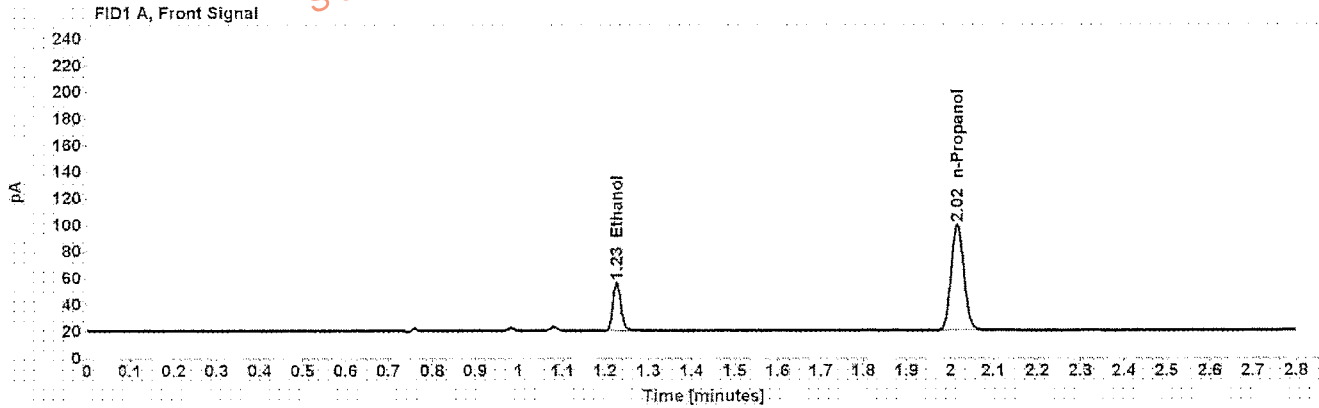


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0828	1.227	46.797
n-Propanol	-----	2.017	162.485

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

Compound	Time (min)	Peak Area
Ethanol	1.330	47.641
n-Propanol	2.346	166.010

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 135-01A
Injection date: 8/16/2016 8:11:48 PM	Vial: 54
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\54.D	

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Scottsdale City Prosecutor

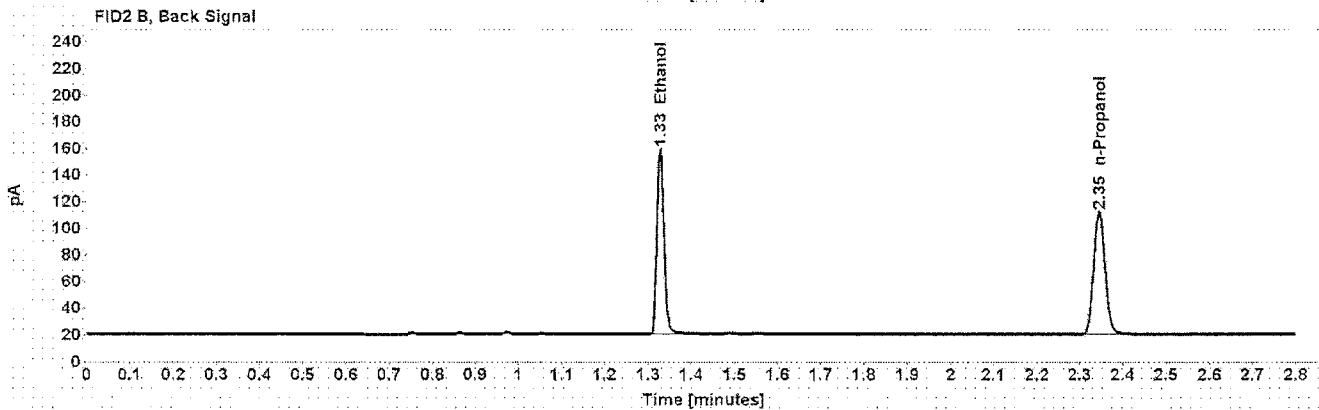
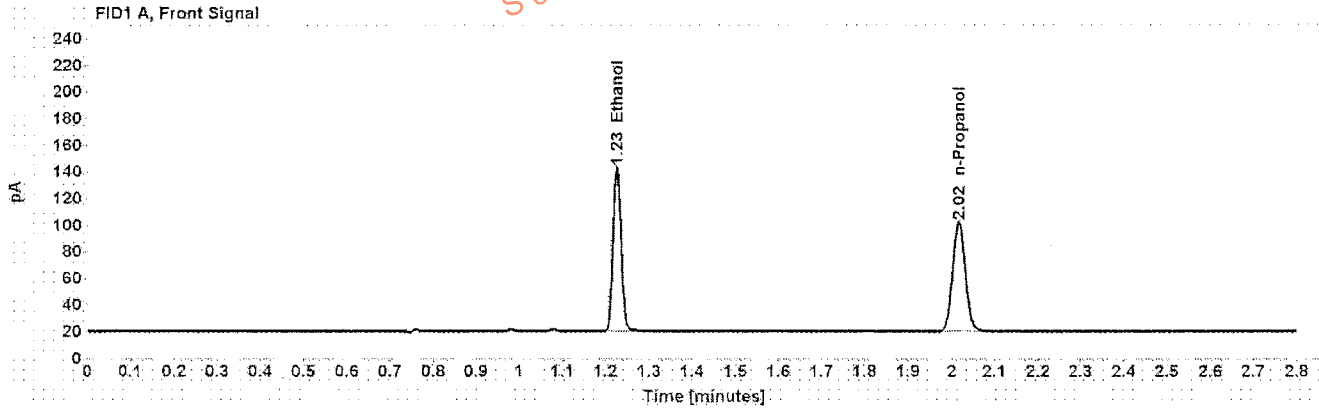


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2683	1.226	158.662
n-Propanol	-----	2.016	168.429

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

Compound	Time (min)	Peak Area
Ethanol	1.328	161.656
n-Propanol	2.345	171.262

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 135-01A
Injection date: 8/16/2016 8:16:03 PM Vial: 55
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\55.D

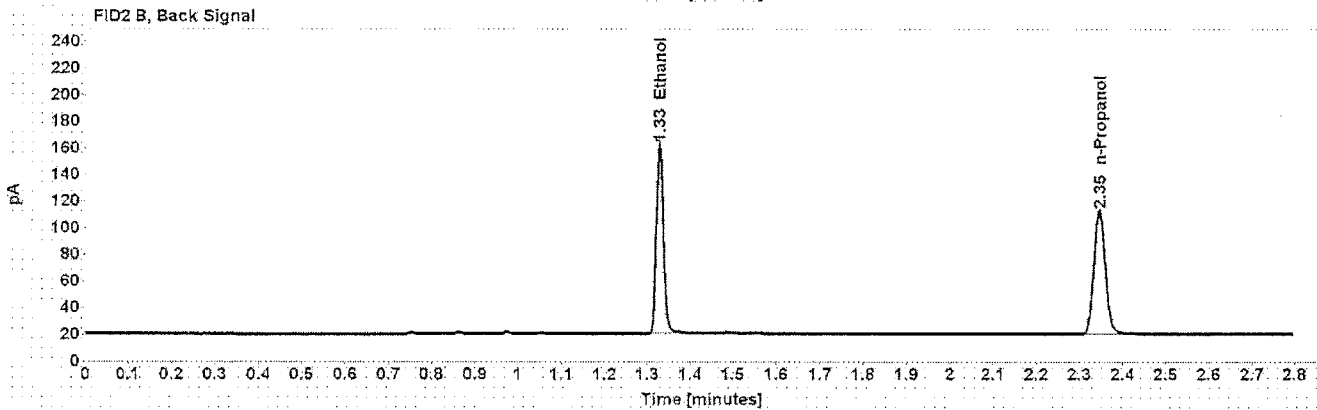
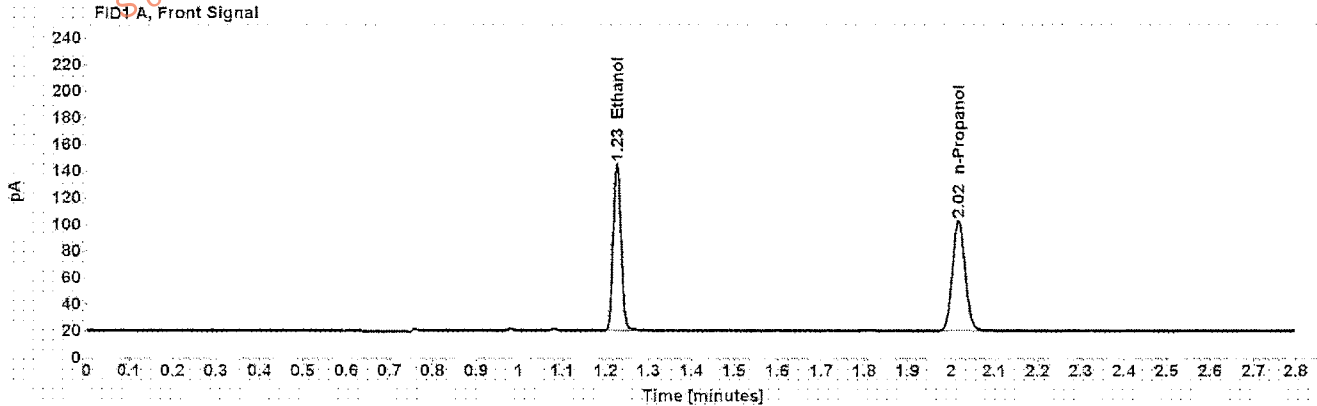


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2708	1.226	161.041
n-Propanol	----	2.017	169.397

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

Compound	Time (min)	Peak Area
Ethanol	1.328	163.946
n-Propanol	2.346	172.391

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	312-01A
Injection date:	8/16/2016 8:20:03 PM	Vial:	56
Method:	ethanol quant.M	Sequence:	16Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\16Aug16\56.D		

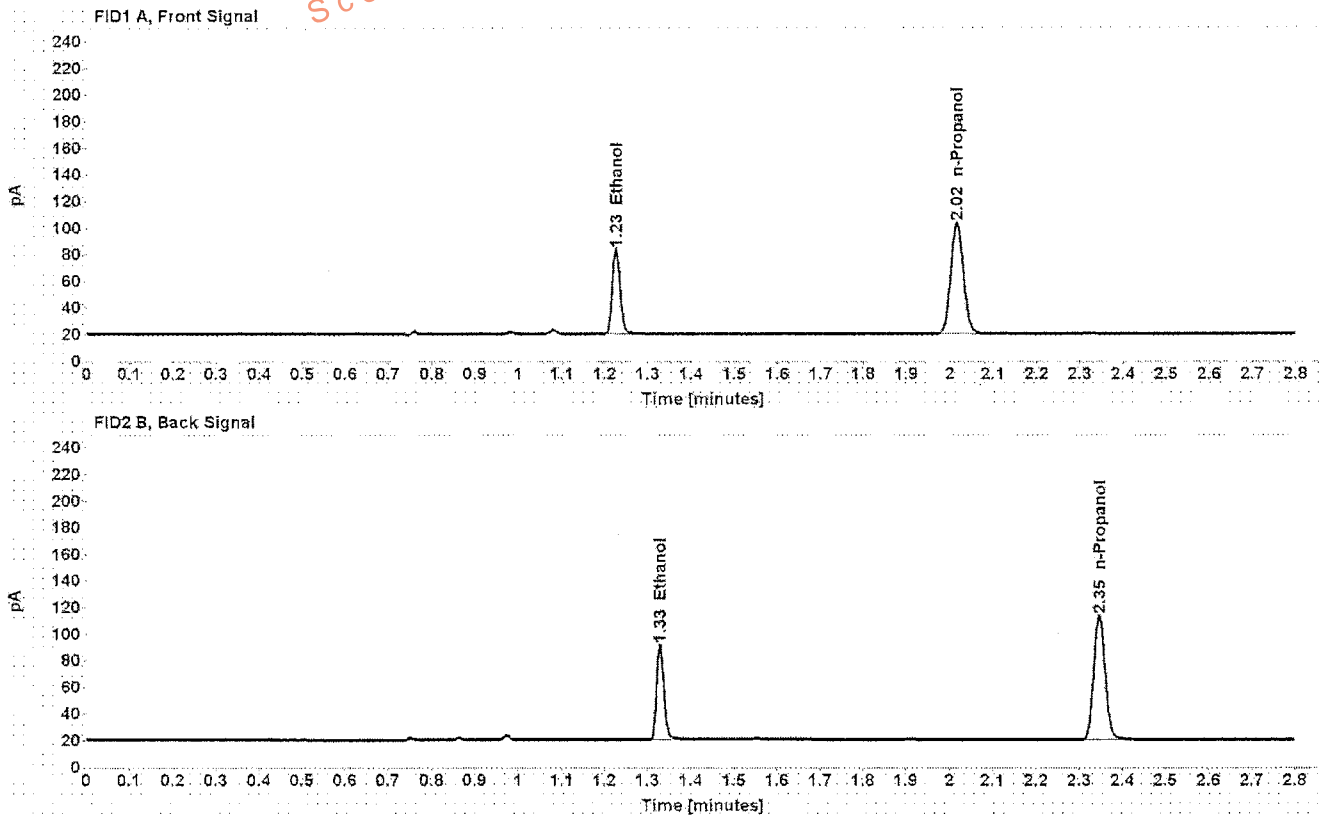


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1376	1.226	81.478
n-Propanol	-----	2.017	169.383

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

Compound	Time (min)	Peak Area
Ethanol	1.329	82.966
n-Propanol	2.346	172.918

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 312-01A
Injection date: 8/16/2016 8:24:03 PM Vial: 57
Method: ethanol quant.M Sequence: 16Aug16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\57.D

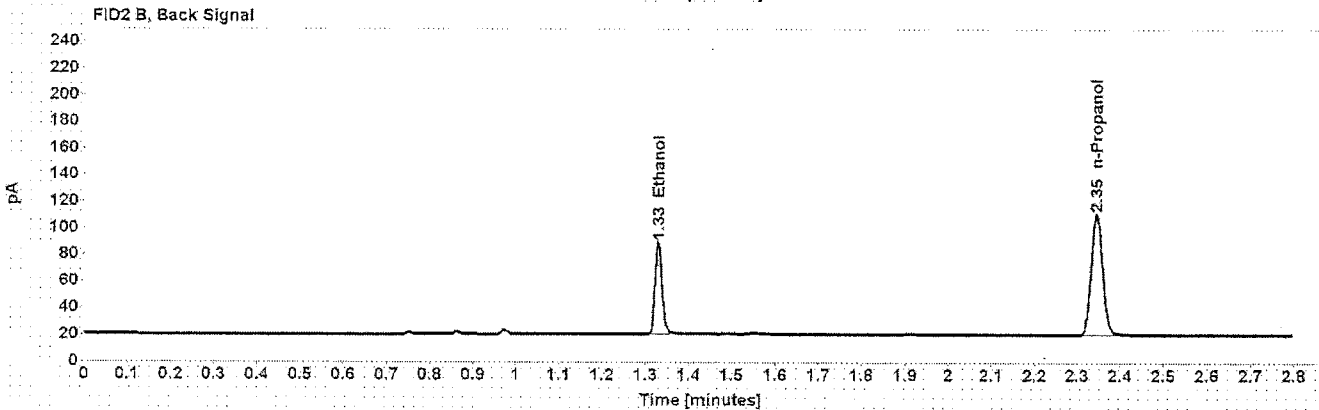
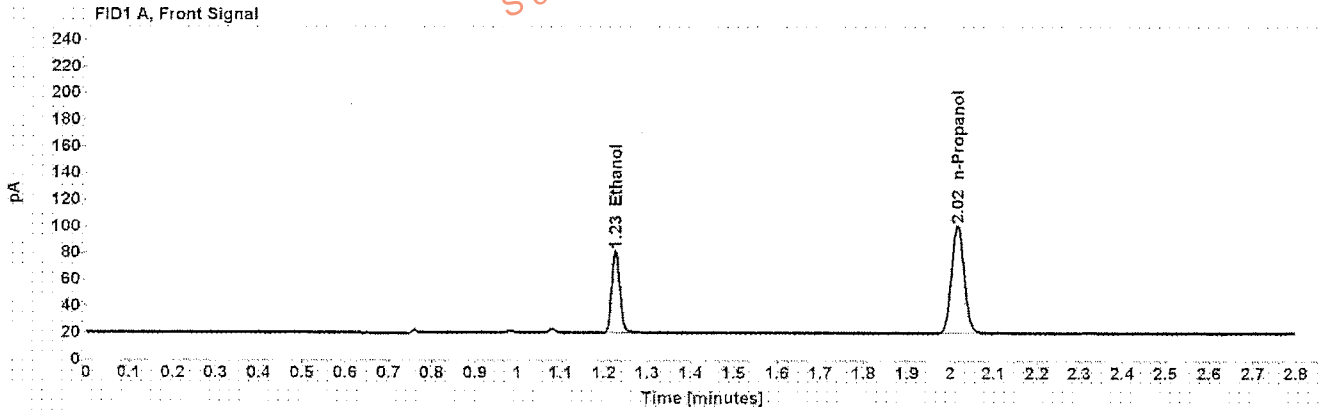


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1366	1.226	78.991
n-Propanol	-----	2.017	165.386

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

Compound	Time (min)	Peak Area
Ethanol	1.329	80.460
n-Propanol	2.346	168.771

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 285-01A
Injection date: 8/16/2016 8:28:03 PM	Vial: 58
Method: ethanol quant.M	Sequence: 16Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\16Aug16\58.D	

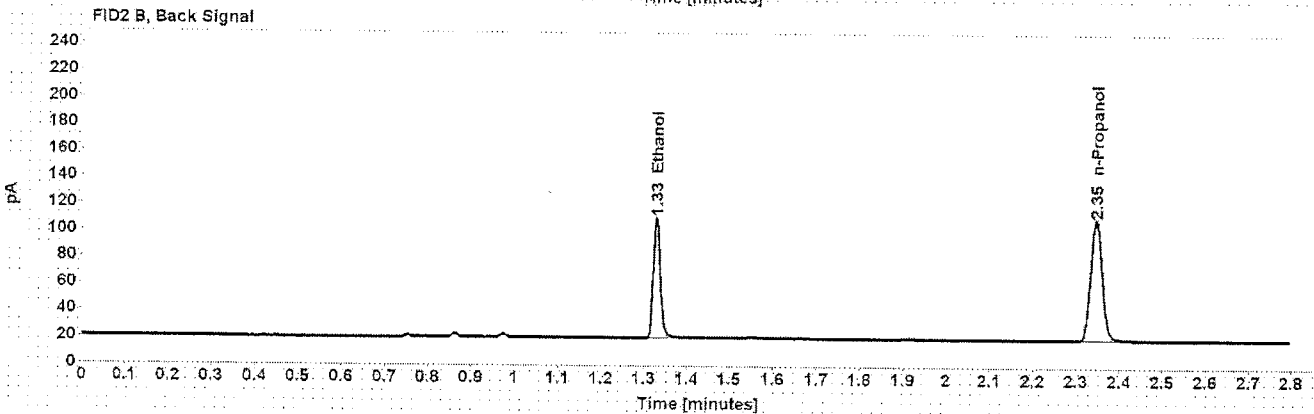
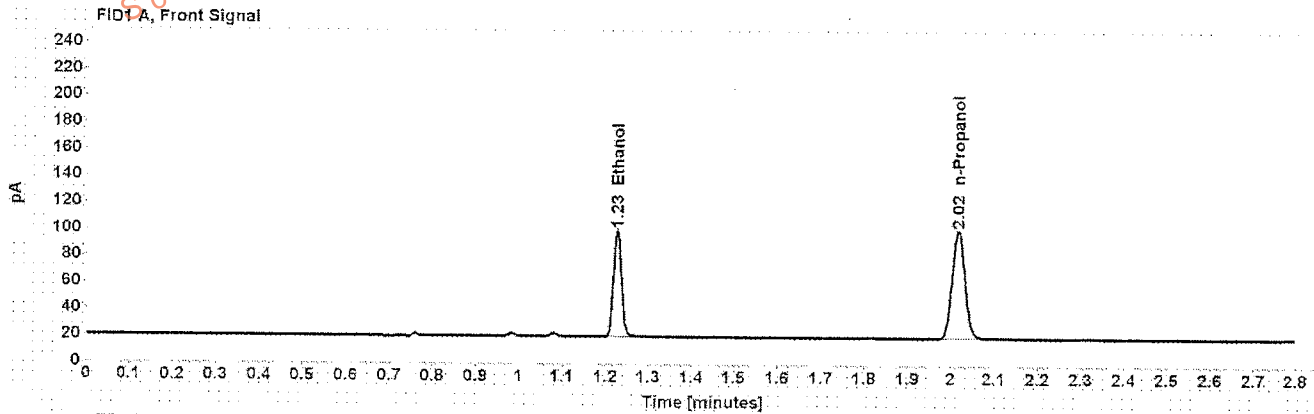


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1775	1.226	102.595
n-Propanol	-----	2.017	165.050

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

Compound	Time (min)	Peak Area
Ethanol	1.329	104.507
n-Propanol	2.346	168.683

Case: [REDACTED] User: alangan 8/17/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	285-01A
Injection date:	8/16/2016 8:32:03 PM	Vial:	59
Method:	ethanol quant M	Sequence:	16Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\16Aug16\59.D		

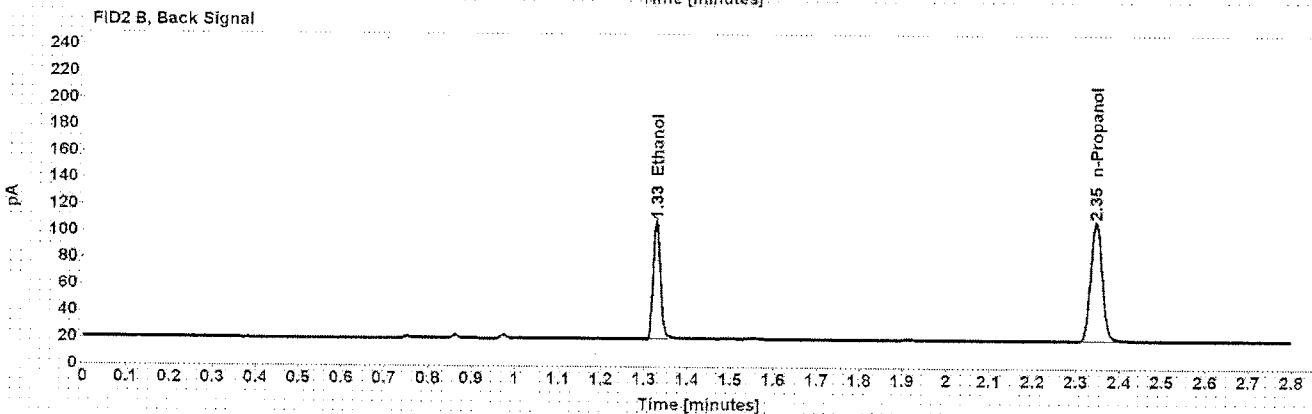
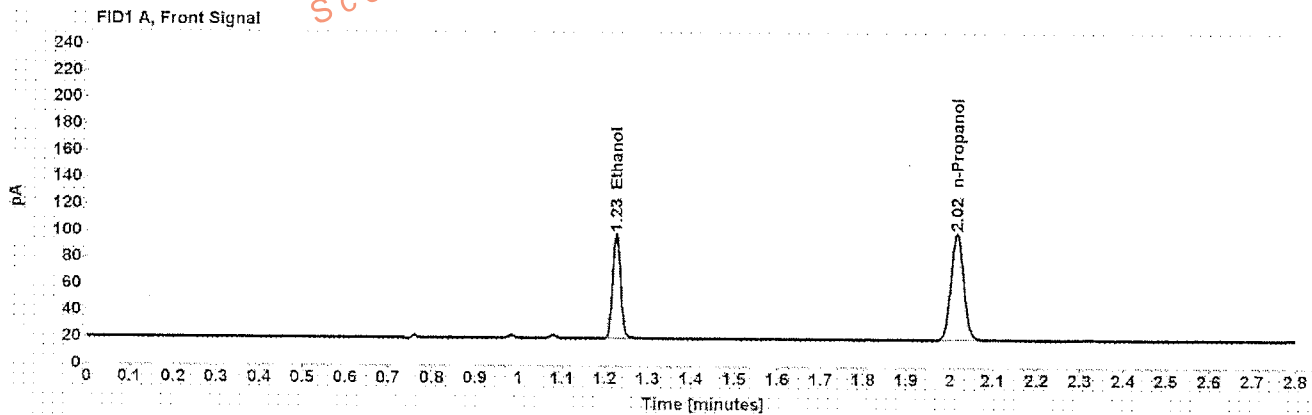


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1766	1.226	101.236
n-Propanol	-----	2.016	163.643

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

Compound	Time (min)	Peak Area
Ethanol	1.328	102.860
n-Propanol	2.345	166.921