

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 08/25/2016 SEQUENCE NAME 25Aug16

### EQUIPMENT

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

### INSTRUMENT CALIBRATION

Vial 1	0.02 calibrator	Lot	<u>FN08101401</u>	Coefficient of determination ( $r^2$ )	
Vial 2	0.10 calibrator	Lot	<u>FN06181501</u>		<u>0.99996</u>
Vial 3	0.20 calibrator	Lot	<u>FN07201502</u>		
Vial 4	0.40 calibrator	Lot	<u>FN11191402</u>		

### CALIBRATION VERIFICATION AND RESOLUTION TEST

<u>Vial</u>	<u>Sample</u>	<u>Expected result</u>	<u>Measured result</u>	<u>Manufacturer/lot</u>
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	0.203g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.079g/dL	Lipomed 14112011-A
31	aqueous control	0.150 g/dL	0.150g/dL	Lipomed 11012012-C
42	blood control	0.200 g/dL	0.202g/dL	ACQ 402101060/6
53	aqueous control	0.080 g/dL	0.079g/dL	Lipomed 14112011-A
56	aqueous control	0.400 g/dL	0.403g/dL	Lipomed 05012012-C
57	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
58	blood control	0.200 g/dL	0.203g/dL	ACQ 402101060/6
59	blank	Not detected	Not detected	SPD lab 110215

### SUBJECT SAMPLES

Subjects in the sequence 21 Subjects requiring reanalysis 0

**ADDITIONAL NOTES: All testing proceeded as expected. DR #: 15-01106 was removed from sequence and not tested since it had previously been tested by the Arizona Department of Public Safety.**

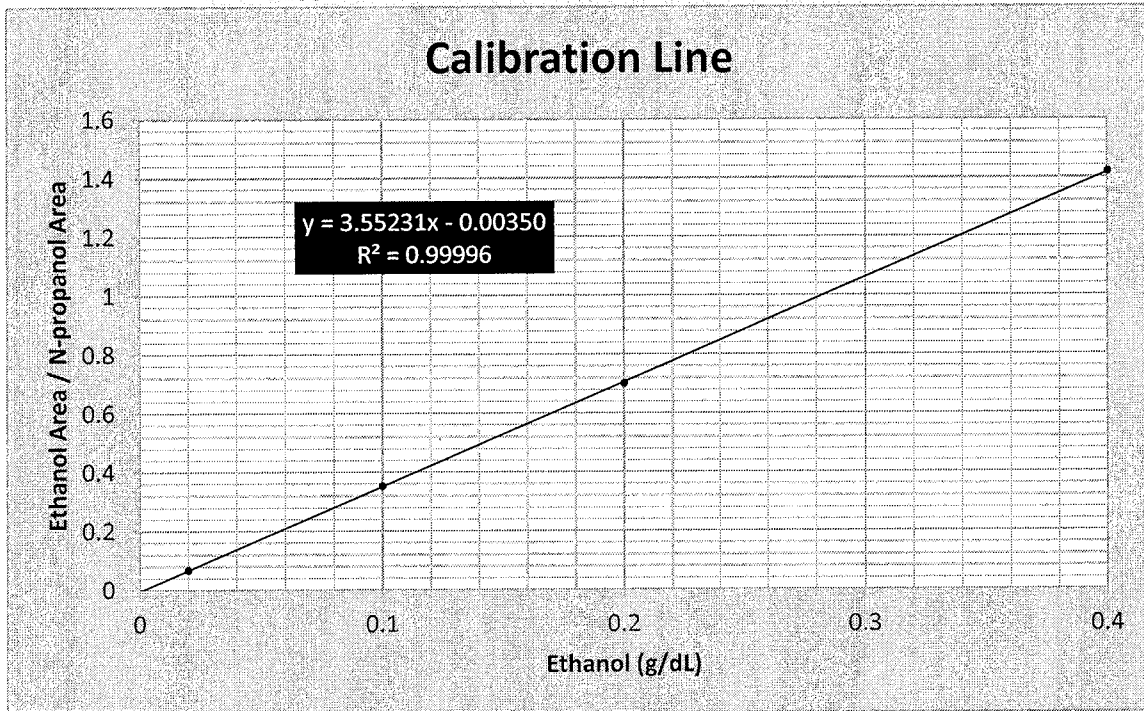
Run valid  Run invalid   
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Amy Longan Analyst KOSECKI 8/29/16 Technical Reviewer

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

SEQUENCE NAME: 25Aug16

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	0.203	1.50	0.003
5	20	0.080	0.079	1.25	-0.001
6	31	0.150	0.150	0.00	0.000
7	42	0.200	0.202	1.00	0.002
8	53	0.080	0.079	1.25	-0.001
9	56	0.400	0.403	0.75	0.003
10	57	0.040	0.040	0.00	0.000
11	58	0.200	0.203	1.50	0.003
12	59	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.342	164.912	0.069
0.100	60.076	169.850	0.354
0.200	116.332	165.791	0.702
0.400	234.480	165.183	1.420



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.02 Cerilliant FN08101401	Item number:
Injection date: 8/25/2016 1:40:59 PM	Vial: 1
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\25Aug16\1.D	

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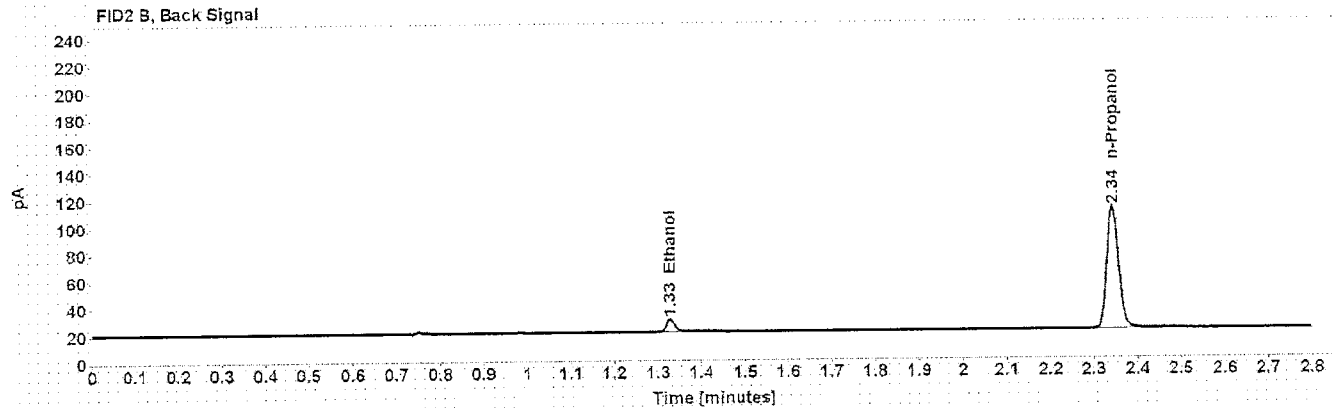
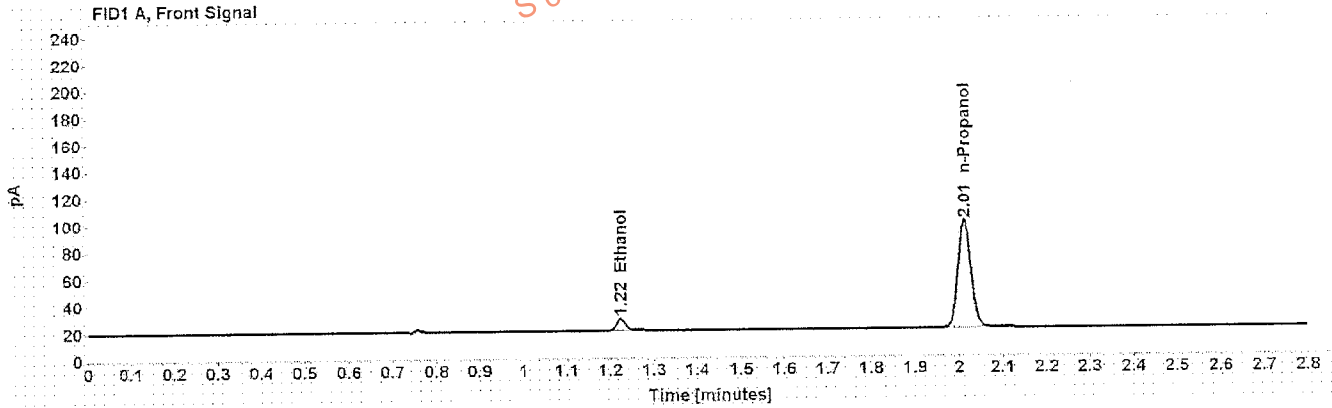


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	11.342
n-Propanol	2.013	164.912

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

Compound	Time (min)	Peak Area
Ethanol	1.328	11.557
n-Propanol	2.344	169.149

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.10 Cerilliant FN06181501	<b>Item number:</b>
<b>Injection date:</b> 8/25/2016 1:44:59 PM	<b>Vial:</b> 2
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Aug16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan <i>YY</i>
<b>Data file:</b> C:\Chem32\1\Data\25Aug16\2.D	

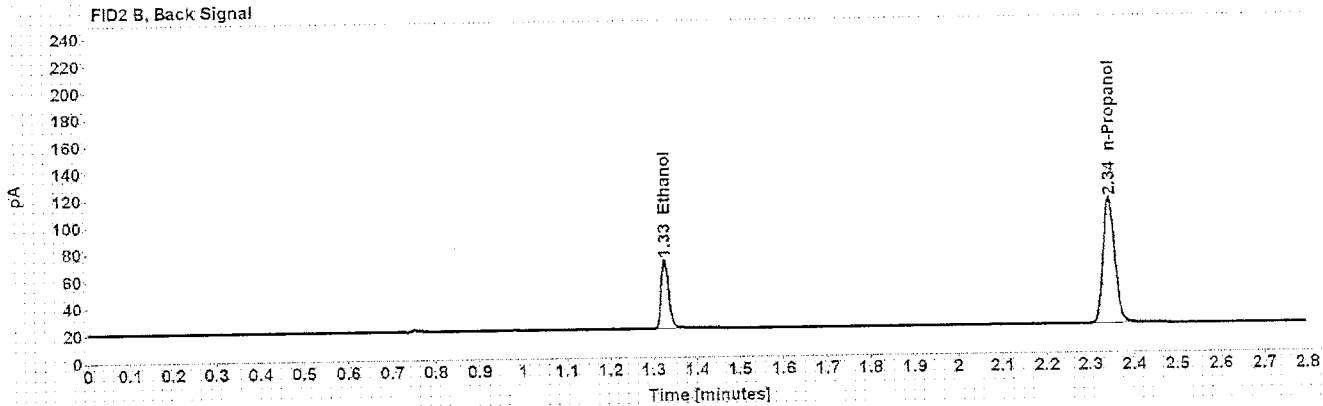
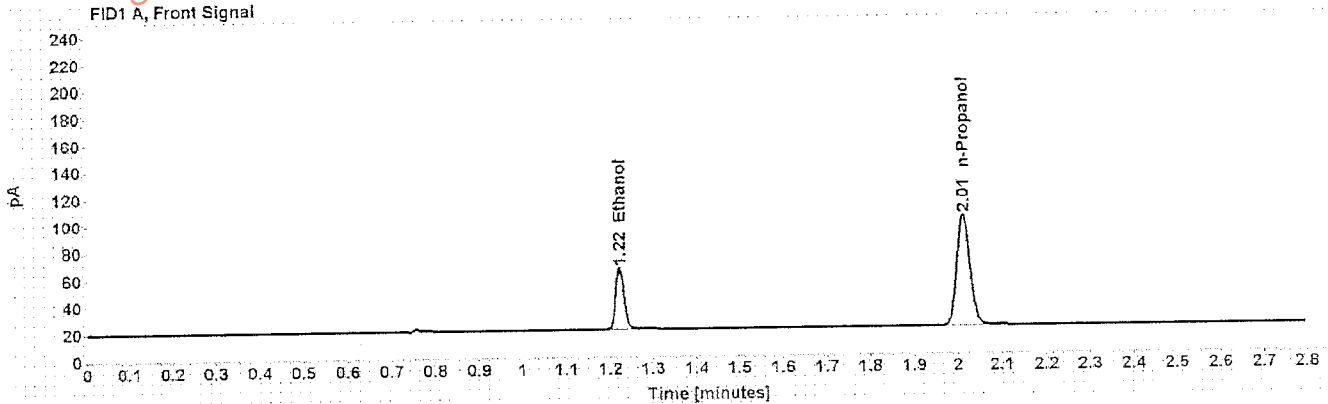


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	60.076
n-Propanol	2.013	169.850

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

Compound	Time (min)	Peak Area
Ethanol	1.326	61.362
n-Propanol	2.343	174.225

# Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.20 Cerilliant FN07201502	Item number:
Injection date: 8/25/2016 1:48:59 PM	Vial: 3
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>HL</i>
Data file: C:\Chem3211\Data\25Aug16\3.D	

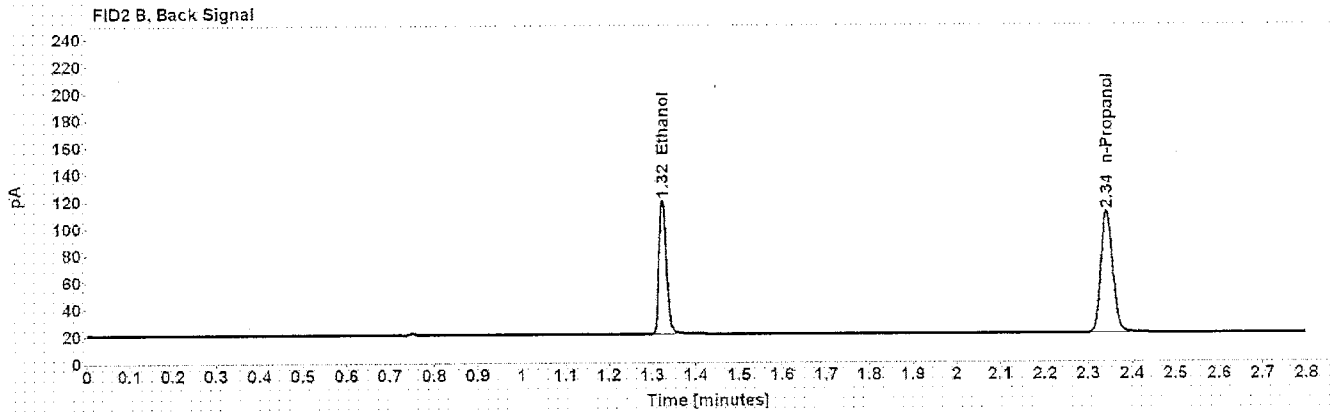
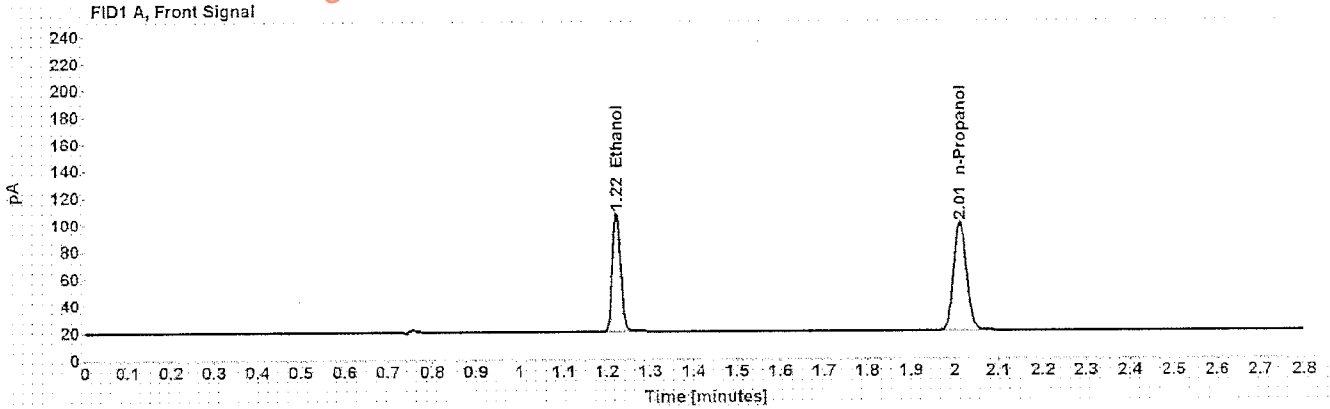


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	116.332
n-Propanol	2.012	165.791

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

Compound	Time (min)	Peak Area
Ethanol	1.324	119.437
n-Propanol	2.342	170.066

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Cerilliant FN11191402	Item number:
Injection date: 8/25/2016 1:52:58 PM	Vial: 4
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\25Aug16\4.D	

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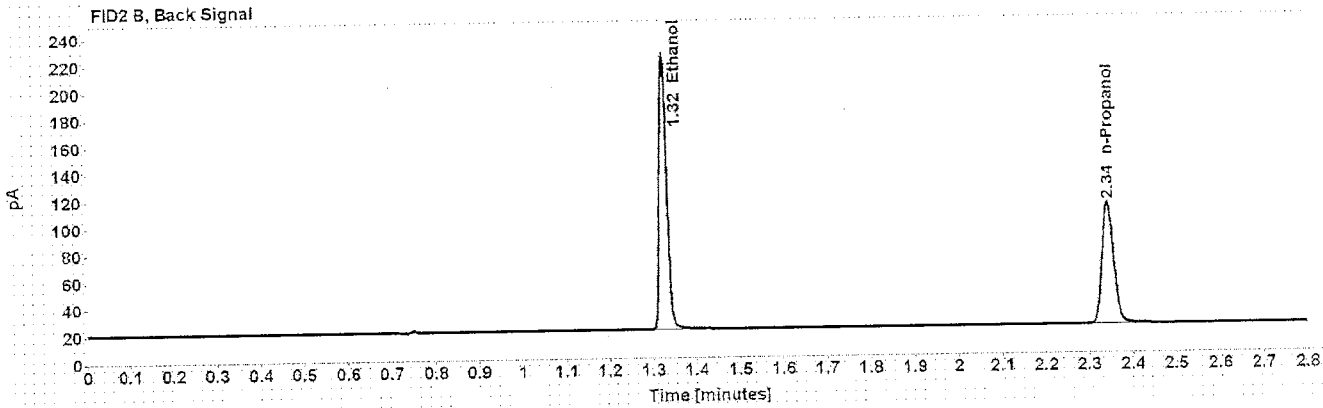
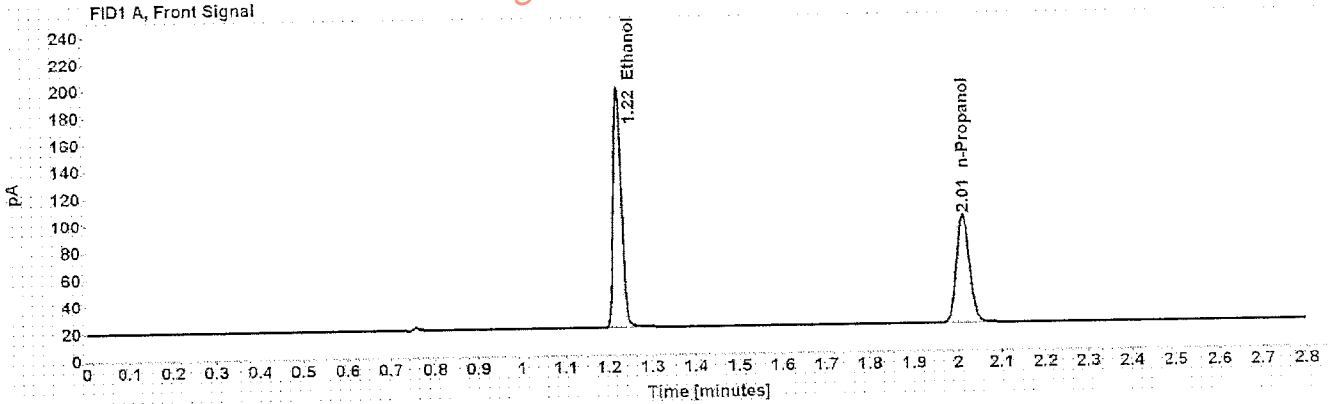


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	234.480
n-Propanol	2.013	165.183

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

Compound	Time (min)	Peak Area
Ethanol	1.325	242.339
n-Propanol	2.343	169.406

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> blank 110216 <b>Injection date:</b> 8/25/2016 1:56:58 PM <b>Method:</b> ethanol quant.M <b>Instrument:</b> US14173023 CN14160045 <b>Data file:</b> C:\Chem3211\Data\25Aug16\5.D	<b>Item number:</b> <b>Vial:</b> 5 <b>Sequence:</b> 25Aug16 <b>Analyst:</b> Langan <i>NR</i>
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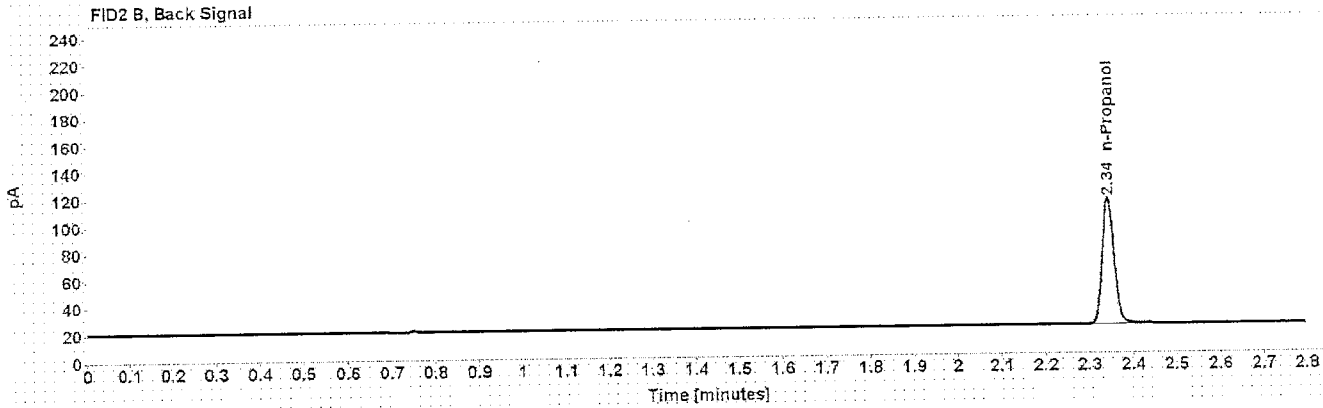
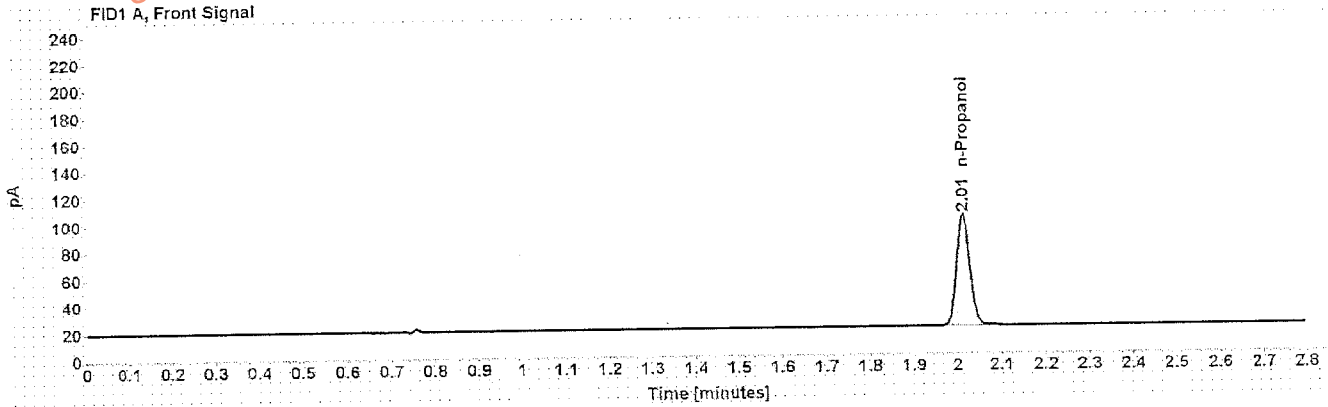


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	170.802

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

Compound	Time (min)	Peak Area
n-Propanol	2.343	175.242

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 030916 ASL	Item number: 6
Injection date: 8/25/2016 2:00:59 PM	Vial: 25Aug16
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>LL</i>
Data file: C:\Chem3211\Data\25Aug16\6.D	

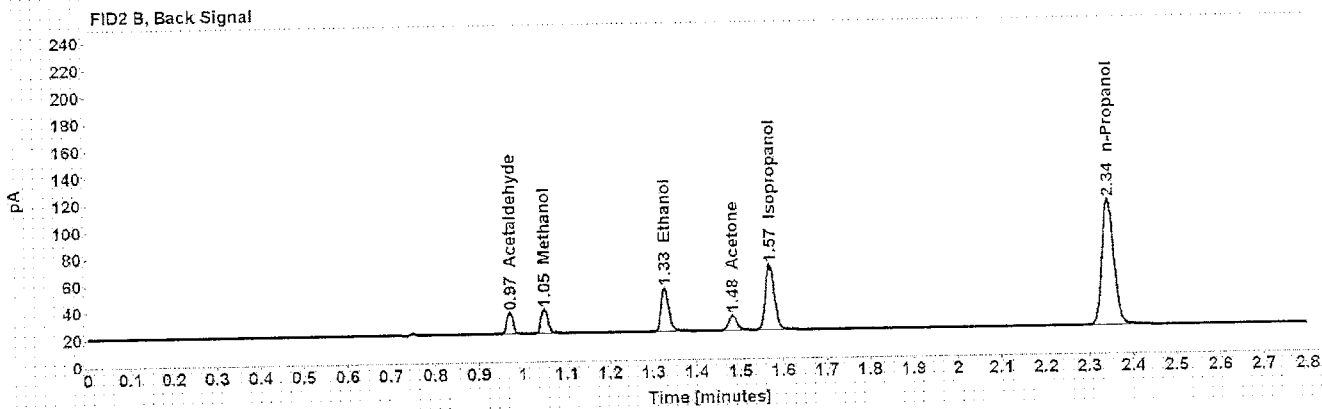
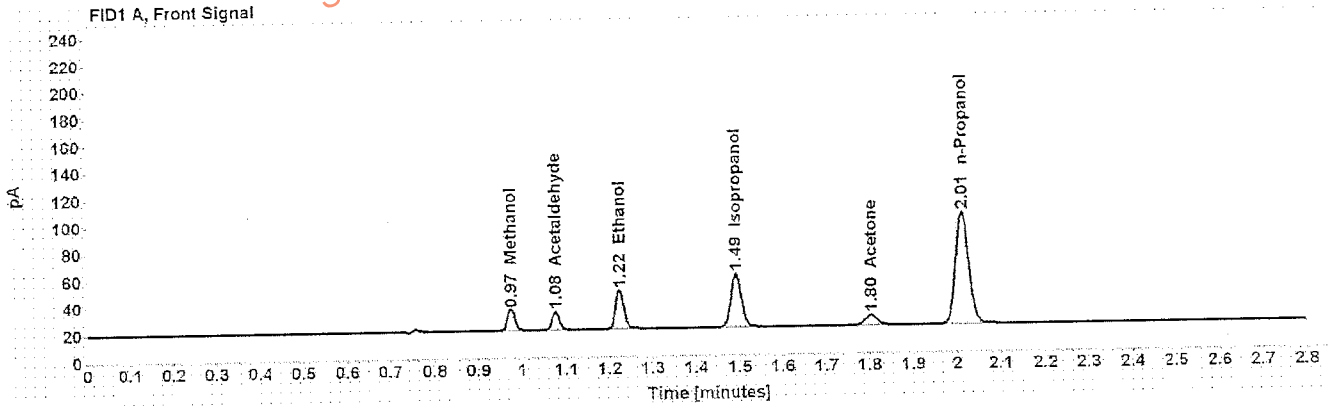


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.975	18.786
Acetaldehyde	-----	1.076	15.420
>Ethanol	0.0634	1.223	38.004
Isopropanol	-----	1.492	66.602
Acetone	-----	1.803	13.998
n-Propanol	-----	2.013	171.450

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	16.186
Methanol	1.049	19.177
Ethanol	1.327	38.899
Acetone	1.483	14.089
Isopropanol	1.569	69.315
n-Propanol	2.344	176.041



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number: 7
Injection date: 8/25/2016 2:05:14 PM	Vial: 7
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>W</i>
Data file: C:\Chem32\1\Data\25Aug16\7.D	

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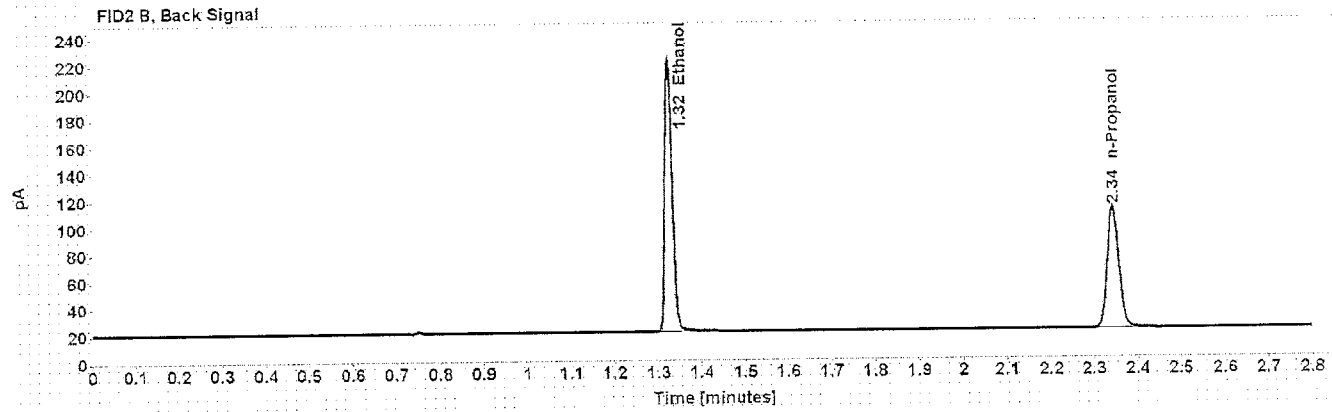
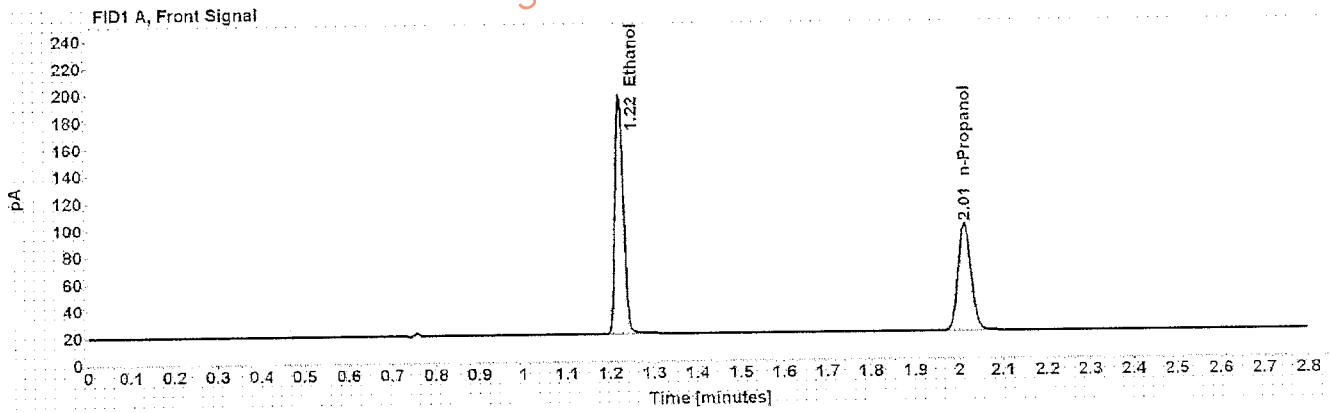


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3988	1.222	232.809
n-Propanol	-----	2.013	164.760

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

Compound	Time (min)	Peak Area
Ethanol	1.325	240.000
n-Propanol	2.343	169.098

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112041-B	Item number:
Injection date: 8/25/2016 2:09:14 PM	Vial: 8
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>HL</i>
Data file: C:\Chem3211\Data\25Aug16\8.D	

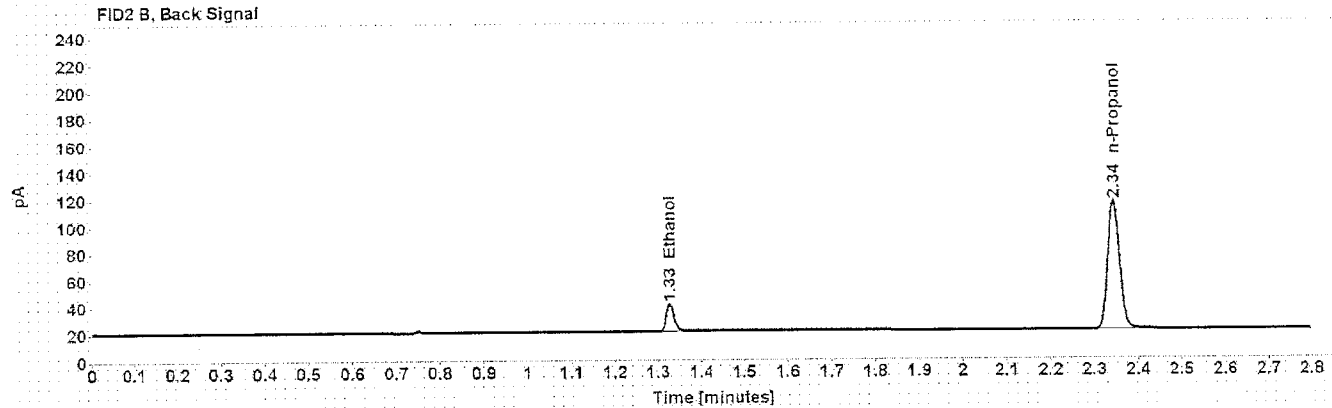
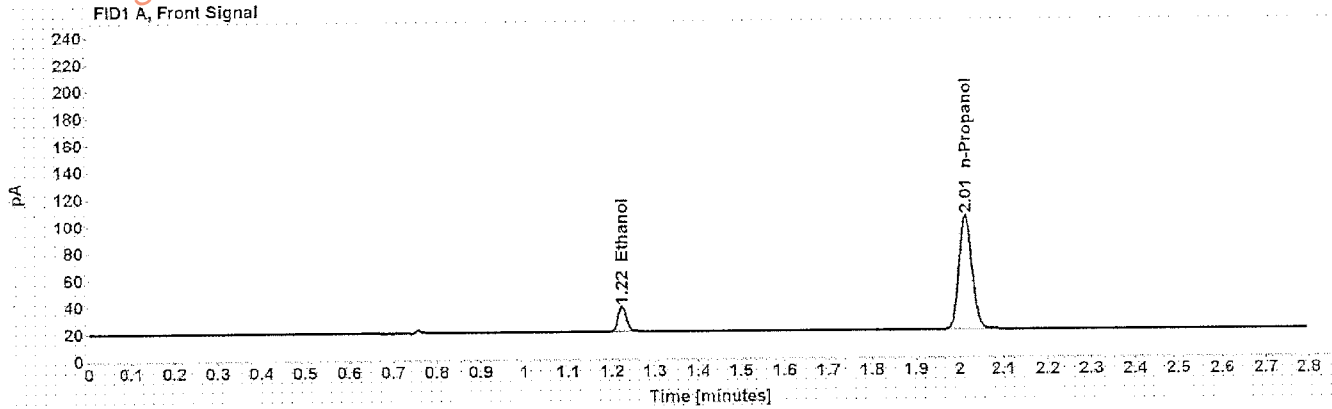


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0402	1.224	24.294
n-Propanol	-----	2.013	174.322

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

Compound	Time (min)	Peak Area
Ethanol	1.327	24.739
n-Propanol	2.343	179.193

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 8/25/2016 2:13:14 PM	Vial: 9
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023-CN14160045	Analyst: Langan <i>XL</i>
Data file: C:\Chem3211\Data\25Aug16\9.D	

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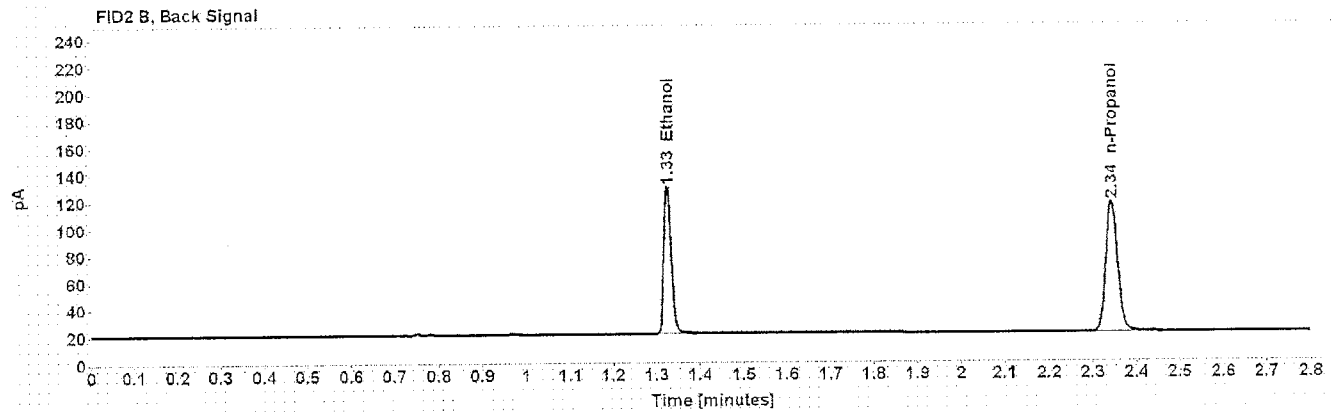
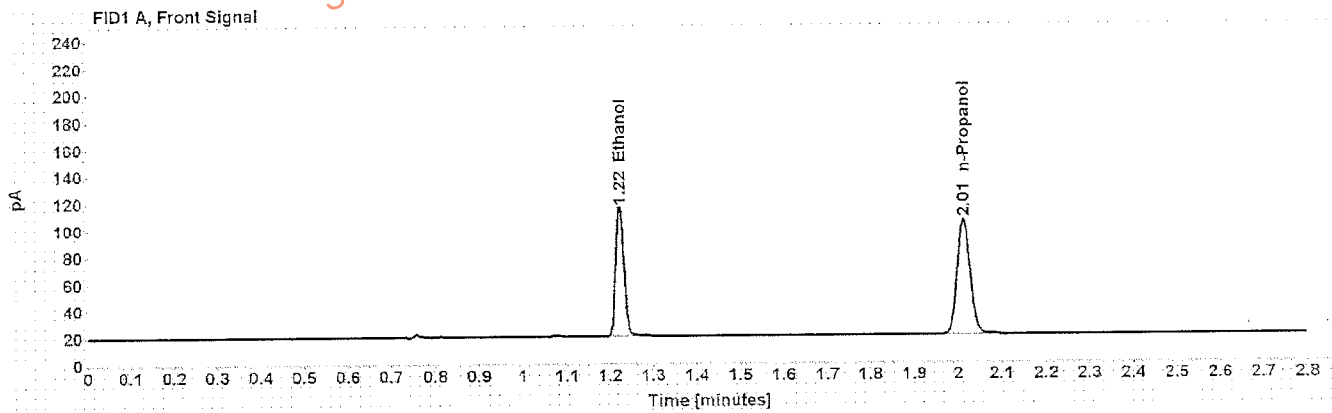


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2035	1.223	127.240
n-Propanol	-----	2.013	176.890

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

Compound	Time (min)	Peak Area
Ethanol	1.326	130.540
n-Propanol	2.344	181.971

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number: 20
Injection date: 8/25/2016 2:57:43 PM	Vial: 20
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\25Aug16\20.D	

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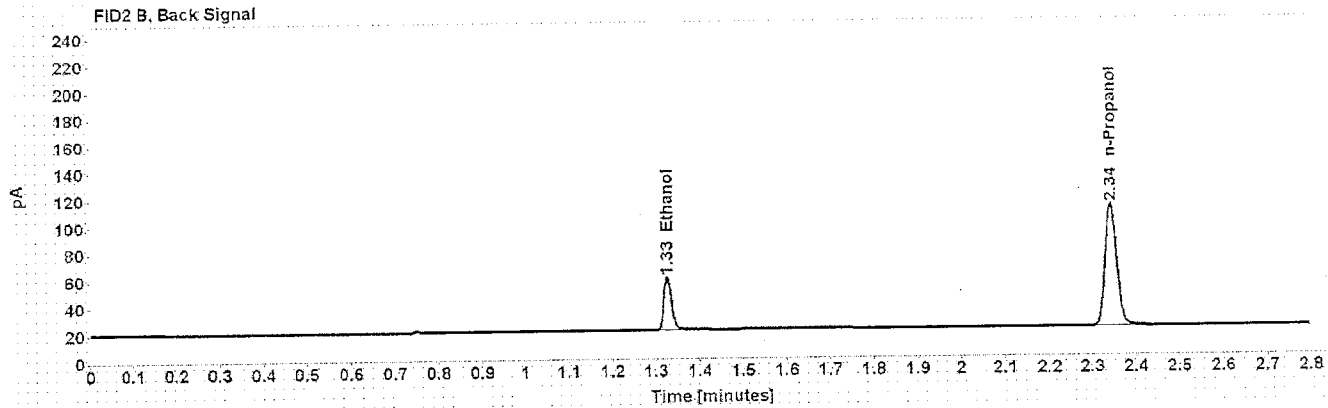
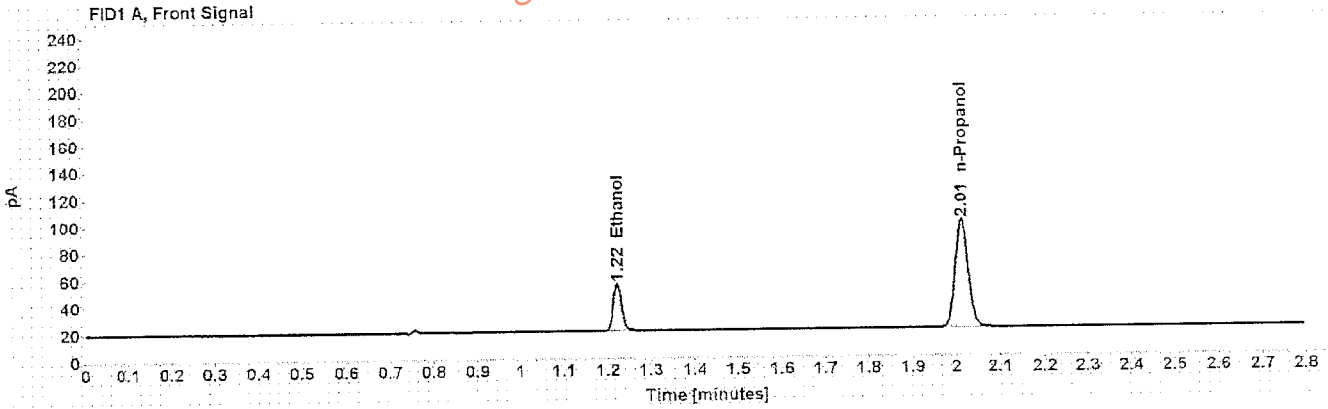


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0798	1.223	46.276
n-Propanol	-----	2.013	165.257

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

Compound	Time (min)	Peak Area
Ethanol	1.326	47.403
n-Propanol	2.343	169.916

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.150 Lipomed 11012012-C	<b>Item number:</b>
<b>Injection date:</b> 8/25/2016 3:42:14 PM	<b>Vial:</b> 31
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Aug16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan <i>LL</i>
<b>Data file:</b> C:\Chem32\11\Data\25Aug16\31.D	

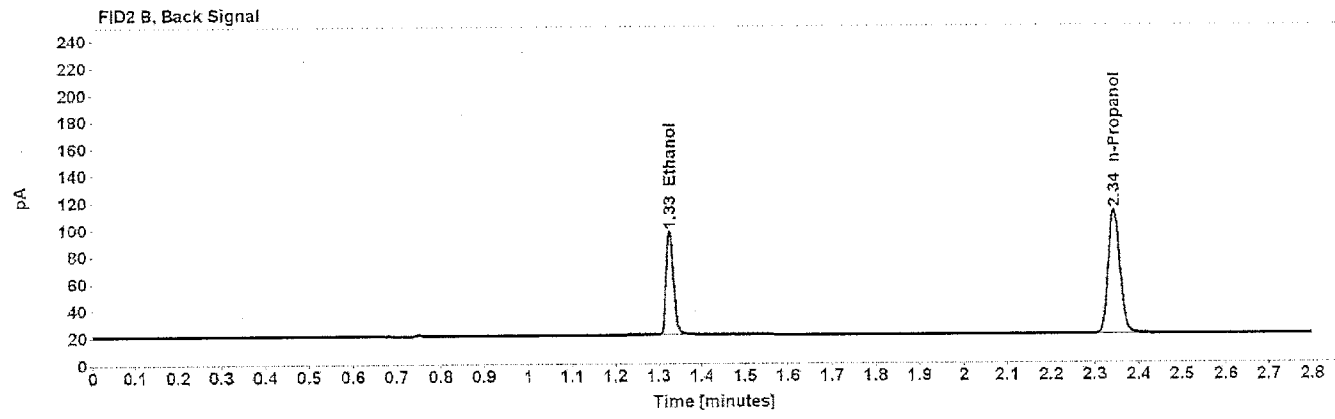
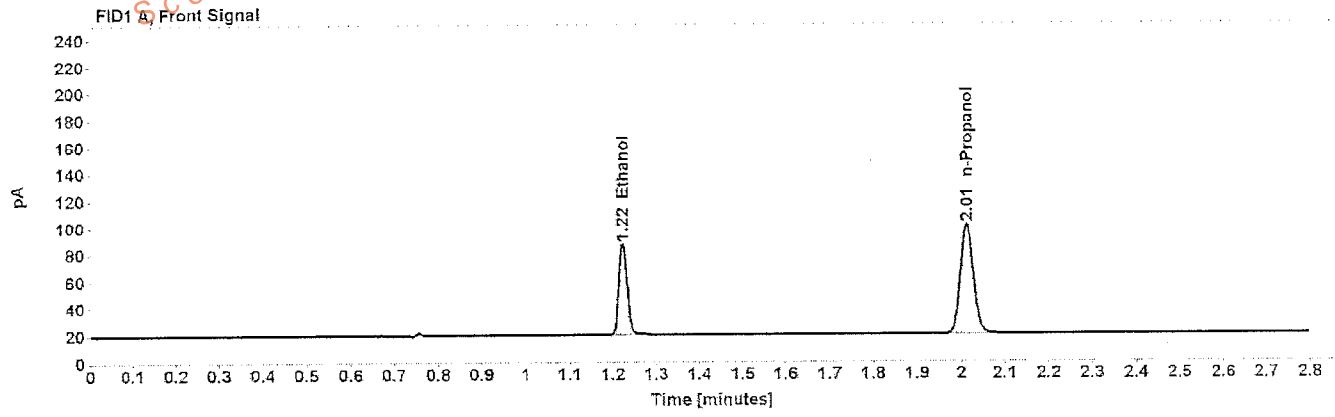


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1509	1.223	89.226
n-Propanol	-----	2.013	167.584

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

Compound	Time (min)	Peak Area
Ethanol	1.326	91.753
n-Propanol	2.344	172.488

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.20 ACQ 402101060/6	<b>Item number:</b>
<b>Injection date:</b> 8/25/2016 4:26:29 PM	<b>Vial:</b> 42
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Aug16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan
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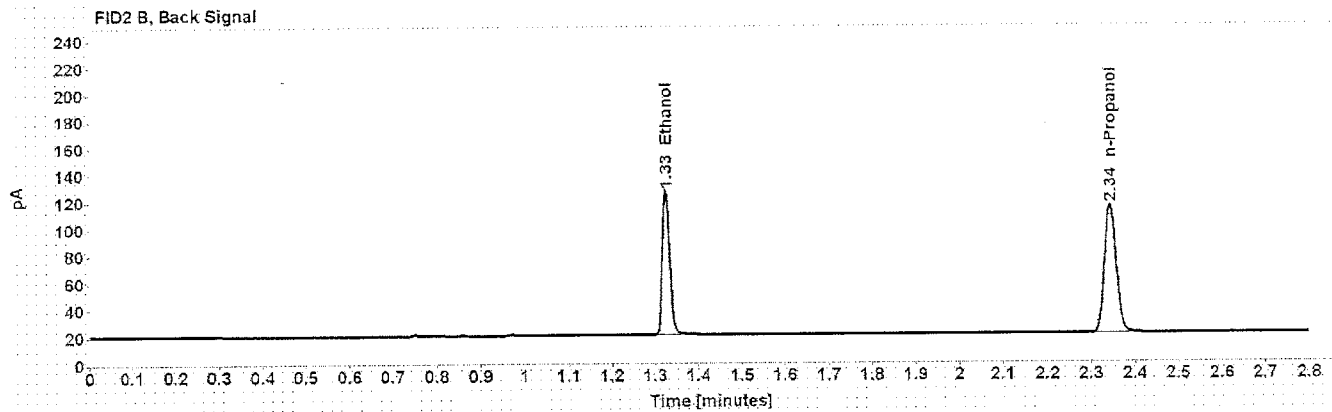
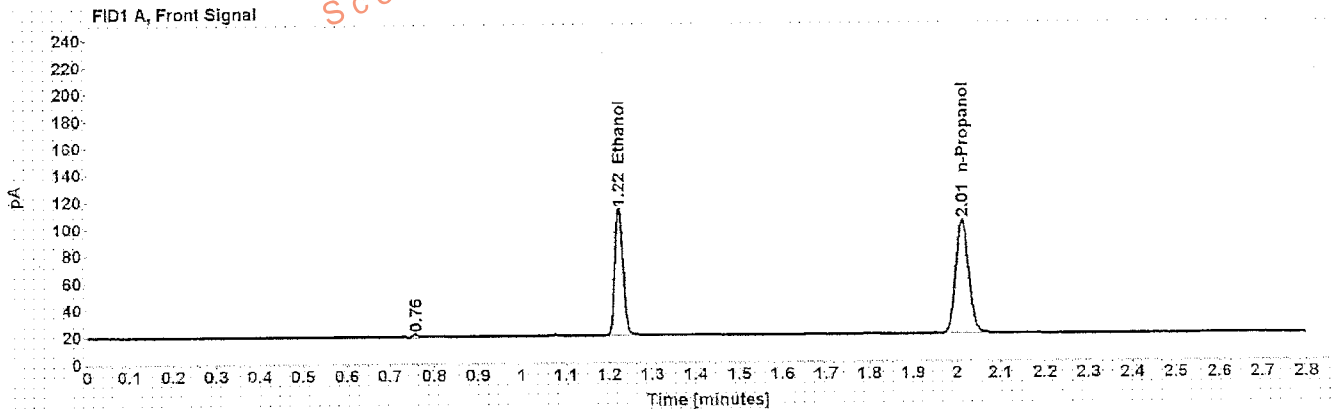


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.222	124.083
n-Propanol	-----	2.013	173.759

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

Compound	Time (min)	Peak Area
Ethanol	1.325	127.826
n-Propanol	2.343	178.824

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 8/25/2016 5:10:59 PM	Vial: 53
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\25Aug16\53.D	

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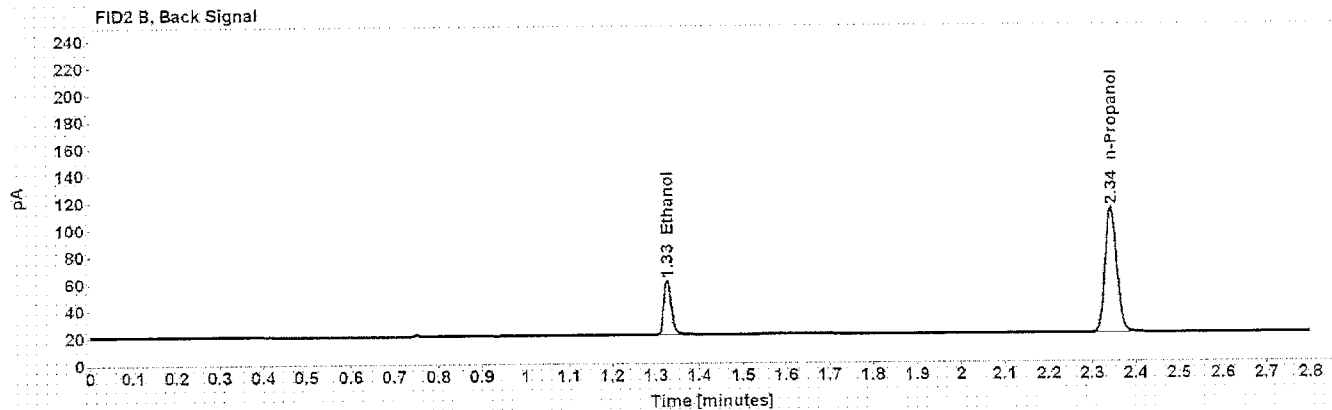
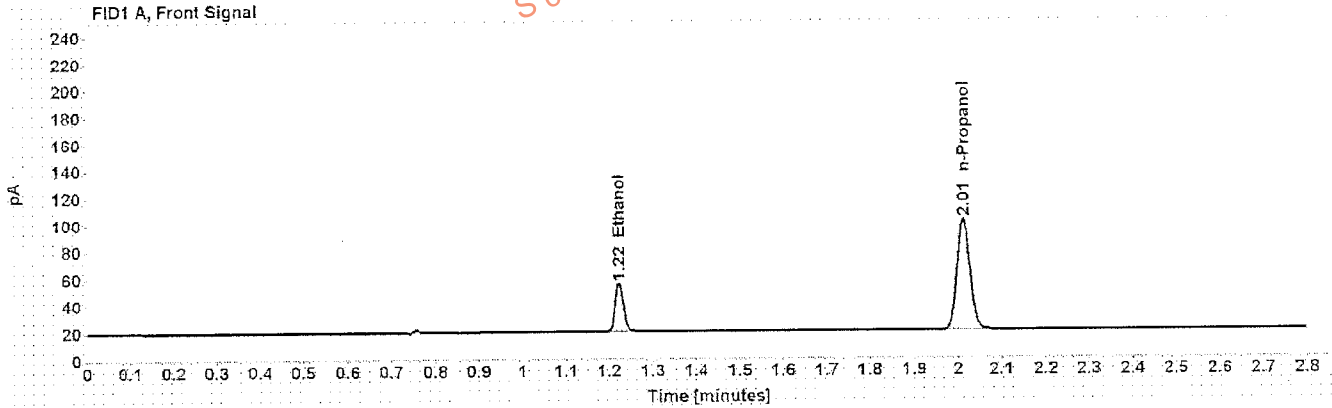


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0797	1.223	47.455
n-Propanol	-----	2.013	169.699

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

Compound	Time (min)	Peak Area
Ethanol	1.326	48.558
n-Propanol	2.343	174.572

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 8/25/2016 5:23:13 PM	Vial: 56
Method: ethanol quantM	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>RL</i>
Data file: C:\Chem32\1\Data\25Aug16\56.D	

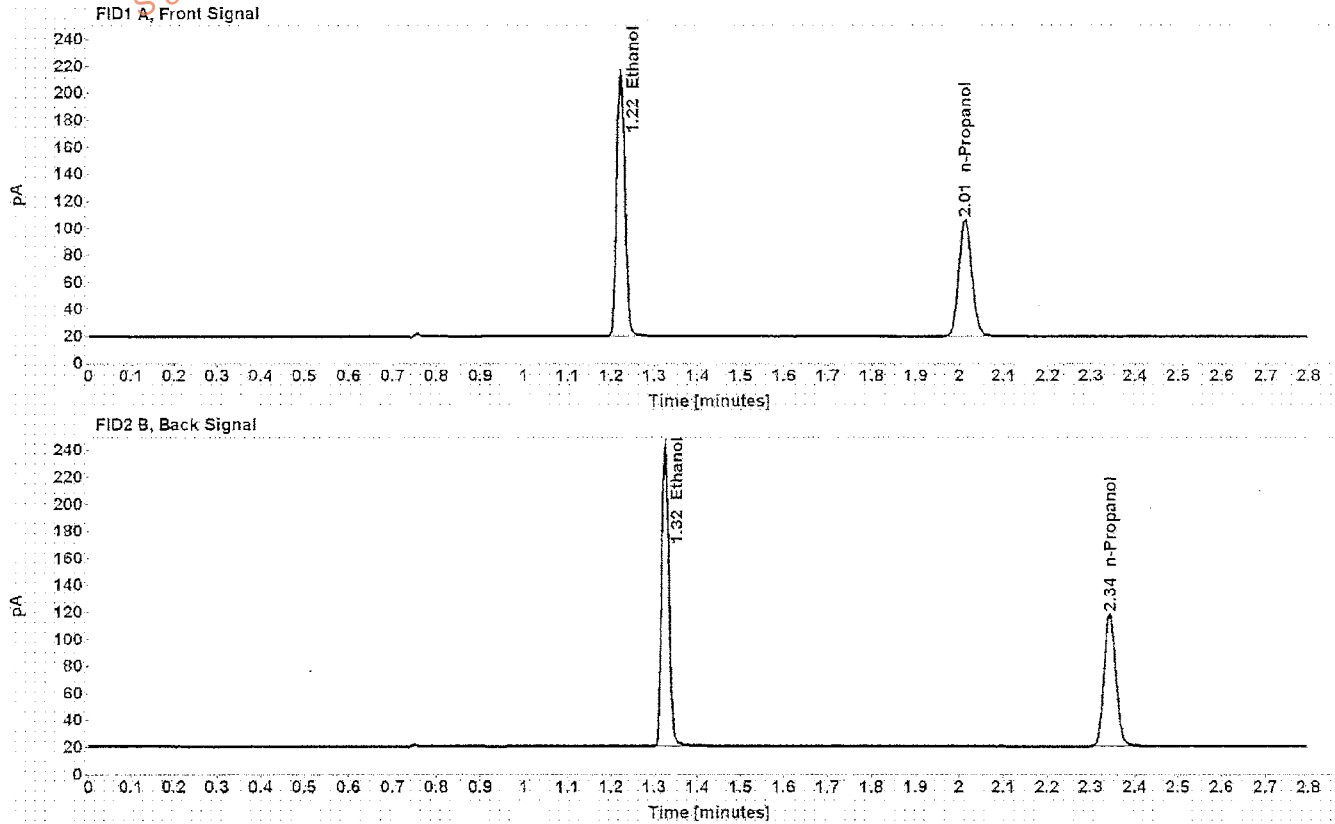


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4035	1.222	256.768
n-Propanol	-----	2.013	179.563

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

Compound	Time (min)	Peak Area
Ethanol	1.325	265.068
n-Propanol	2.343	184.804



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 8/25/2016 5:27:13 PM	Vial: 57
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\25Aug16\57.D	

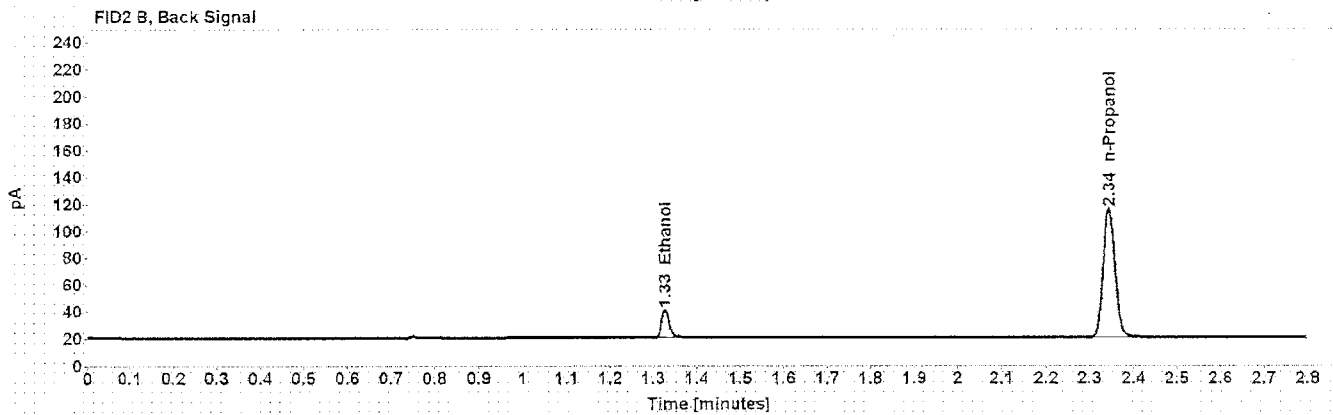
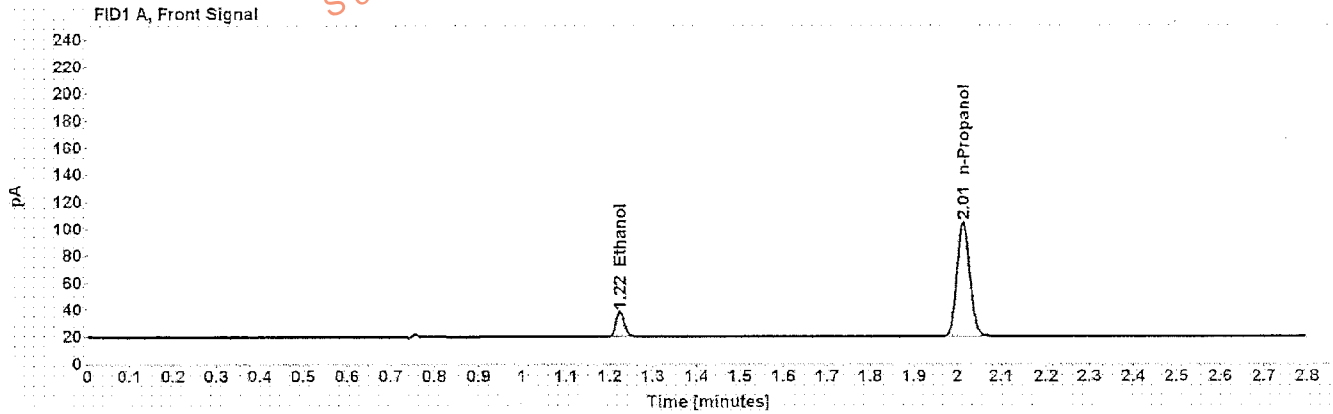


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.224	24.511
n-Propanol	-----	2.013	175.480

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

Compound	Time (min)	Peak Area
Ethanol	1.327	25.033
n-Propanol	2.343	180.484

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 8/25/2016 5:31:14 PM	Vial: 58
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\25Aug16\58.D	

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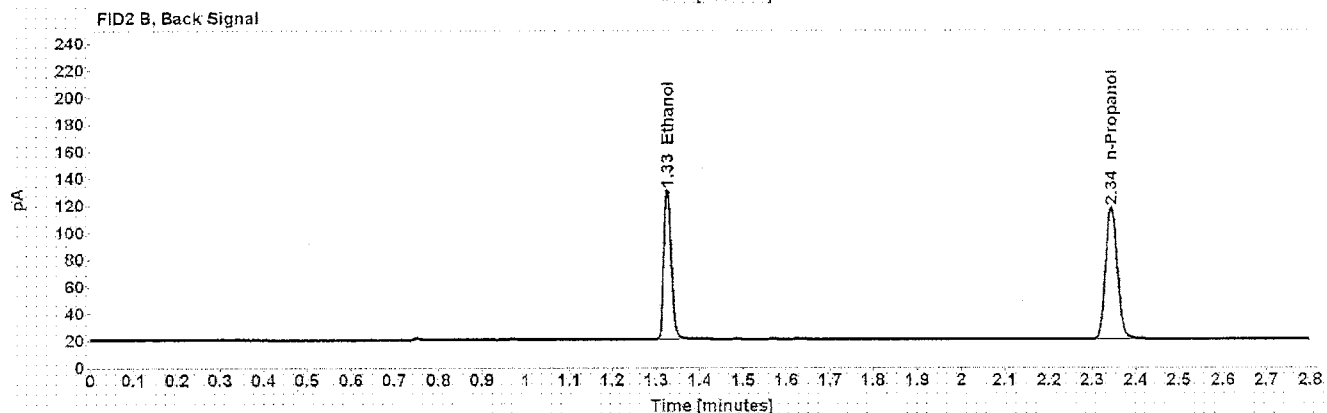
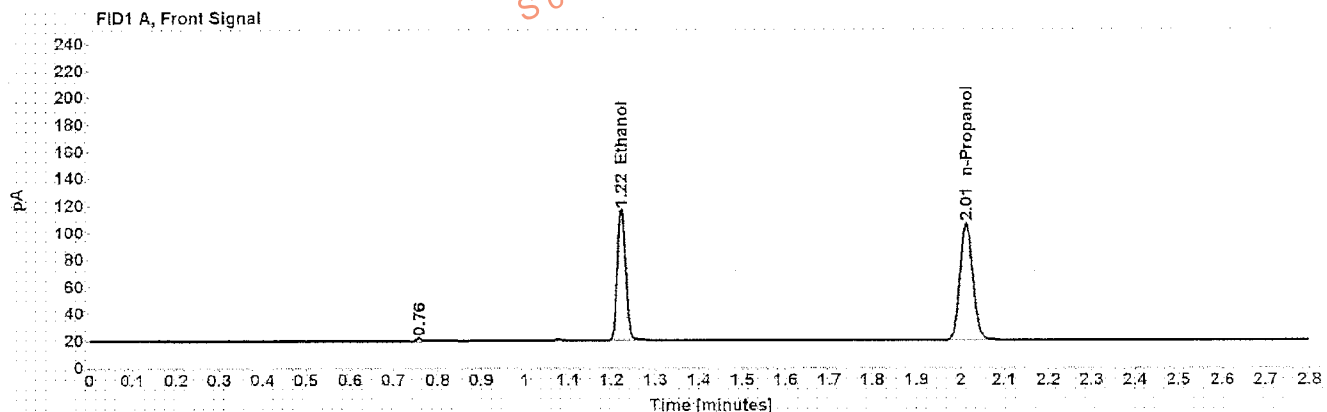


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2038	1.223	128.957
n-Propanol	-----	2.013	178.989

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

Compound	Time (min)	Peak Area
Ethanol	1.326	132.626
n-Propanol	2.344	184.312

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 8/25/2016 5:35:13 PM	Vial: 59
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\25Aug16\59.D	

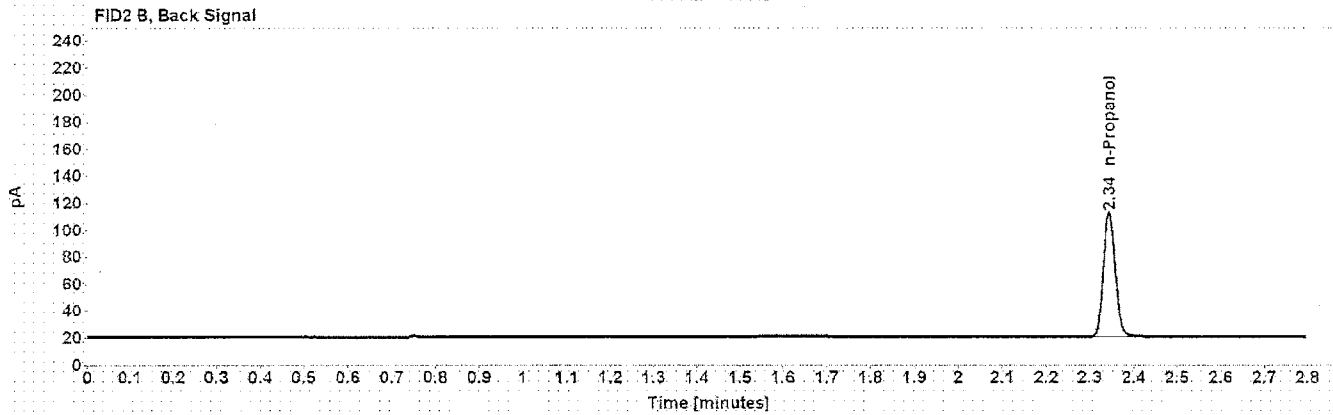
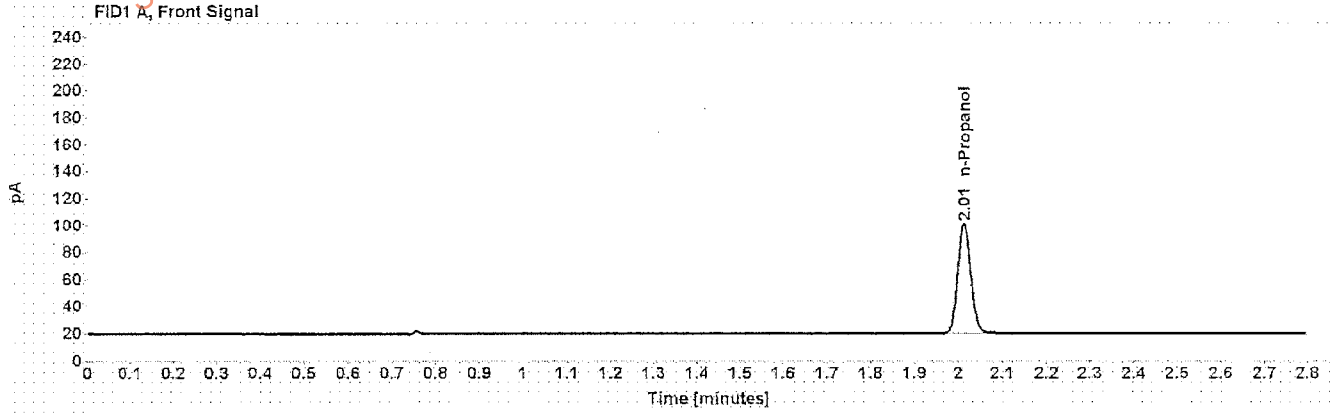


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	169.391

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	173.956

# Sequence Summary

Sequence name: 25Aug16 Instrument: US14173023 CN4160045 Analyst: Langan *AL*

Vial	Sample	Type	Item Number	Method
1	0.02 Cerilliant FN08101401	Calibration		ethanol quant.M
2	0.10 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.20 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.40 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 110215	Control		ethanol quant.M
6	volatiles mix 030916 ASL	Control		ethanol quant.M
7	0.40 Lipomed 05012012-C	Control		ethanol quant.M
8	0.04 Lipomed 30112011-B	Control		ethanol quant.M
9	0.20 ACQ 402101060/6	Control		ethanol quant.M
10	L16 [REDACTED]	Sample	1077374	ethanol quant.M
11	L16 [REDACTED]	Sample	1077374	ethanol quant.M
12	L16 [REDACTED]	Sample	1086549	ethanol quant.M
13	L16 [REDACTED]	Sample	1086549	ethanol quant.M
14	L16 [REDACTED]	Sample	169-01A	ethanol quant.M
15	L16 [REDACTED]	Sample	169-01A	ethanol quant.M
16	L16 [REDACTED]	Sample	135-01A	ethanol quant.M
17	L16 [REDACTED]	Sample	135-01A	ethanol quant.M
18	L16 [REDACTED]	Sample	318-01A	ethanol quant.M
19	L16 [REDACTED]	Sample	318-01A	ethanol quant.M
20	0.080 Lipomed 14112011-A	Control		ethanol quant.M
21	L16 [REDACTED]	Sample	176-01A	ethanol quant.M
22	L16 [REDACTED]	Sample	176-01A	ethanol quant.M
23	L16 [REDACTED]	Sample	1108079	ethanol quant.M
24	L16 [REDACTED]	Sample	1108079	ethanol quant.M
25	L16 [REDACTED]	Sample	1108861	ethanol quant.M
26	L16 [REDACTED]	Sample	1108861	ethanol quant.M
27	L16 [REDACTED]	Sample	1080966	ethanol quant.M
28	L16 [REDACTED]	Sample	1080966	ethanol quant.M
29	L16 [REDACTED]	Sample	1102725	ethanol quant.M
30	L16 [REDACTED]	Sample	1102725	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32	L16 [REDACTED]	Sample	1107541	ethanol quant.M
33	L16 [REDACTED]	Sample	1107541	ethanol quant.M
34	L16 [REDACTED]	Sample	1065648	ethanol quant.M
35	L16 [REDACTED]	Sample	1065648	ethanol quant.M
36	L16 [REDACTED]	Sample	1107468	ethanol quant.M
37	L16 [REDACTED]	Sample	1107468	ethanol quant.M
38	L16 [REDACTED]	Sample	1107173	ethanol quant.M
39	L16 [REDACTED]	Sample	1107173	ethanol quant.M
40	L16 [REDACTED]	Sample	1072751	ethanol quant.M
41	L16 [REDACTED]	Sample	1072751	ethanol quant.M
42	0.20 ACQ 402101060/6	Control		ethanol quant.M
43	L16 [REDACTED]	Sample	1108800	ethanol quant.M
44	L16 [REDACTED]	Sample	1108800	ethanol quant.M
45	L16 [REDACTED]	Sample	321-01A	ethanol quant.M
46	L16 [REDACTED]	Sample	321-01A	ethanol quant.M
47	L16 [REDACTED]	Sample	1051668	ethanol quant.M

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# Sequence Summary

48	L16	[REDACTED]	Sample	1051668	ethanol quant.M
49	L16	[REDACTED]	Sample	109378	ethanol quant.M
50	L16	[REDACTED]	Sample	1109378	ethanol quant.M
51	L16	[REDACTED]	Sample	1103766	ethanol quant.M
52	L16	[REDACTED]	Sample	1103766	ethanol quant.M
53	0.080 Lipomed 14112011-A		Control		ethanol quant.M
54	L16	[REDACTED]	Sample	1098685	ethanol quant.M
55	L16	[REDACTED]	Sample	1098685	ethanol quant.M
56	0.40 Lipomed 05012012-C		Control		ethanol quant.M
57	0.04 Lipomed 30112011-B		Control		ethanol quant.M
58	0.20 ACQ 402101060/6		Control		ethanol quant.M
59	blank 110215		Control		ethanol quant.M

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## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1077374
Injection date: 8/25/2016 2:17:13 PM	Vial: 10
Method: ethanol quant M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem3211\Data\25Aug16\10.D	

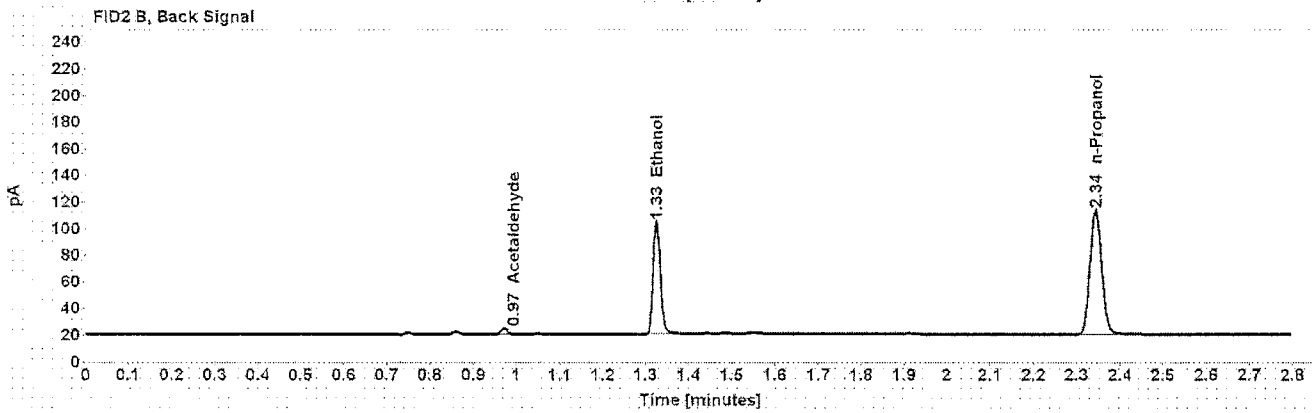
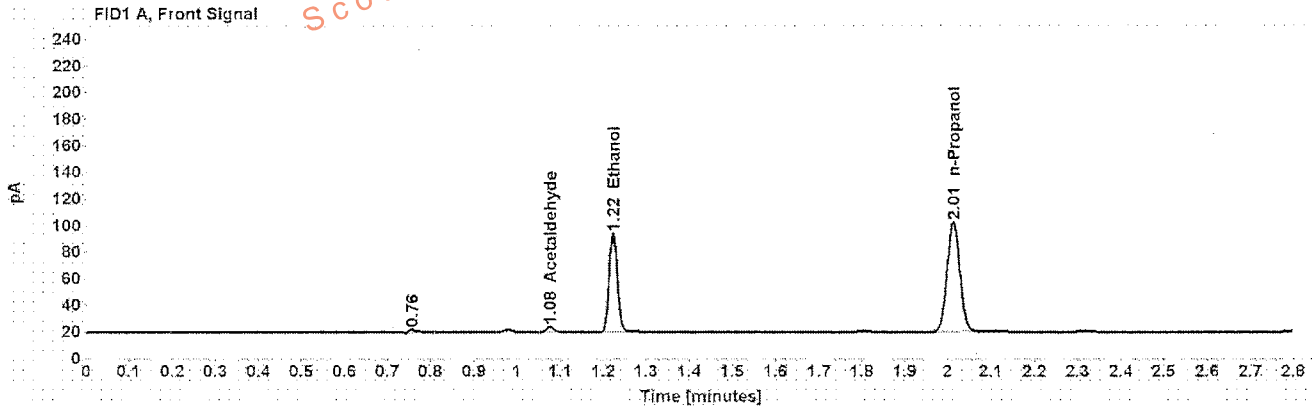


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.199
>Ethanol	0.1642	1.223	98.679
n-Propanol	-----	2.013	170.235

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.482
Ethanol	1.325	101.301
n-Propanol	2.343	175.650

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1077374
Injection date: 8/25/2016 2:21:13 PM	Vial: 11
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\25Aug16\11.D	

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Scottsdale City Prosecutor

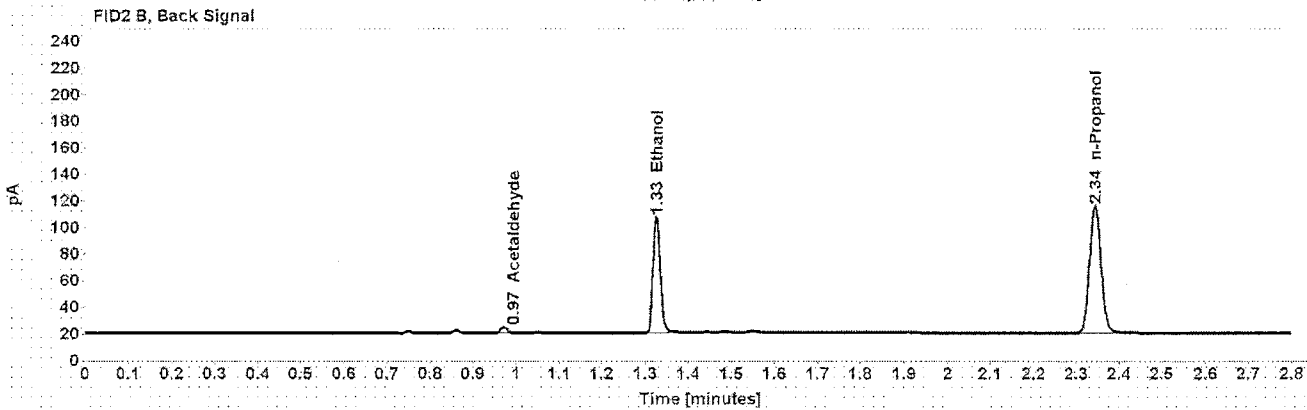
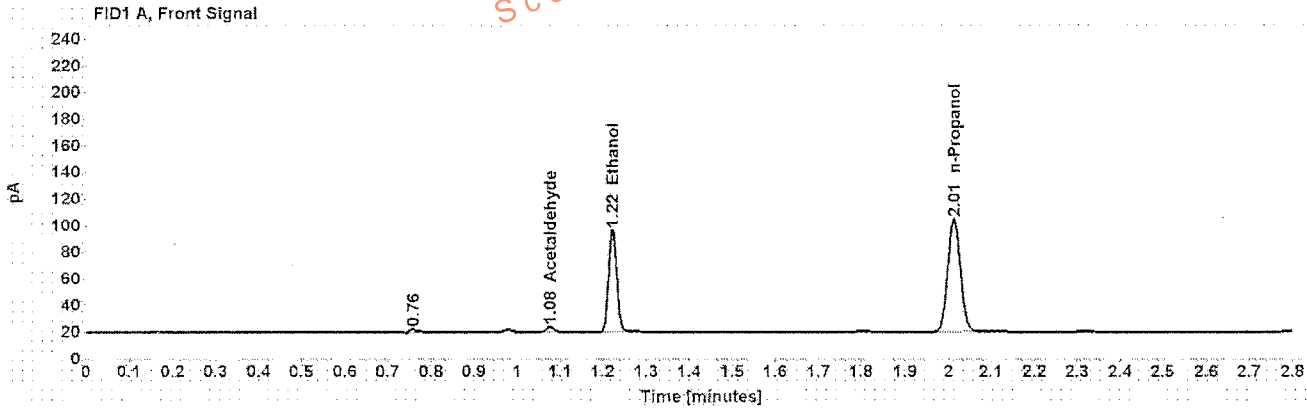


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.307
>Ethanol	0.1648	1.223	101.489
n-Propanol	-----	2.013	174.365

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.571
Ethanol	1.326	104.355
n-Propanol	2.344	179.794



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1086549
Injection date: 8/25/2016 2:25:13 PM	Vial: 12
Method: ethanol quant M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\25Aug16\12.D	

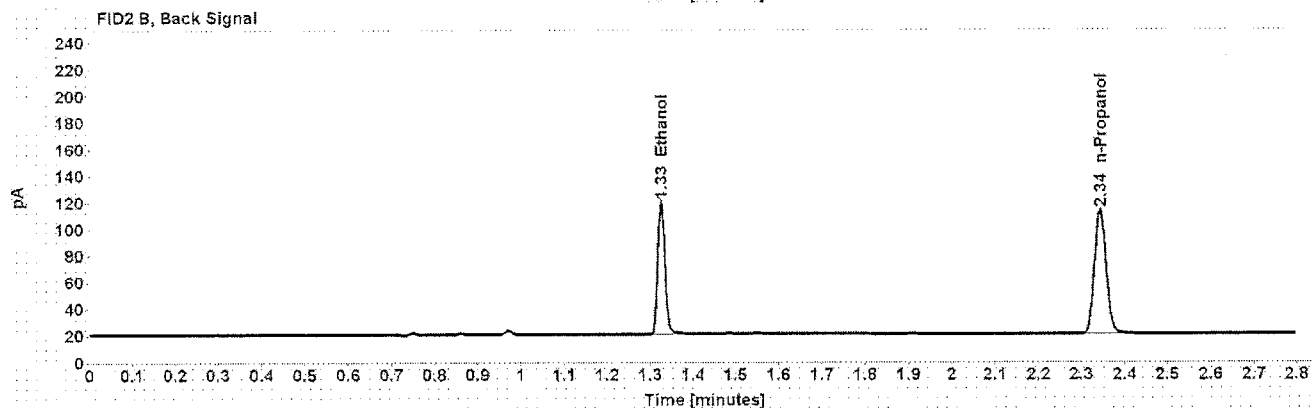
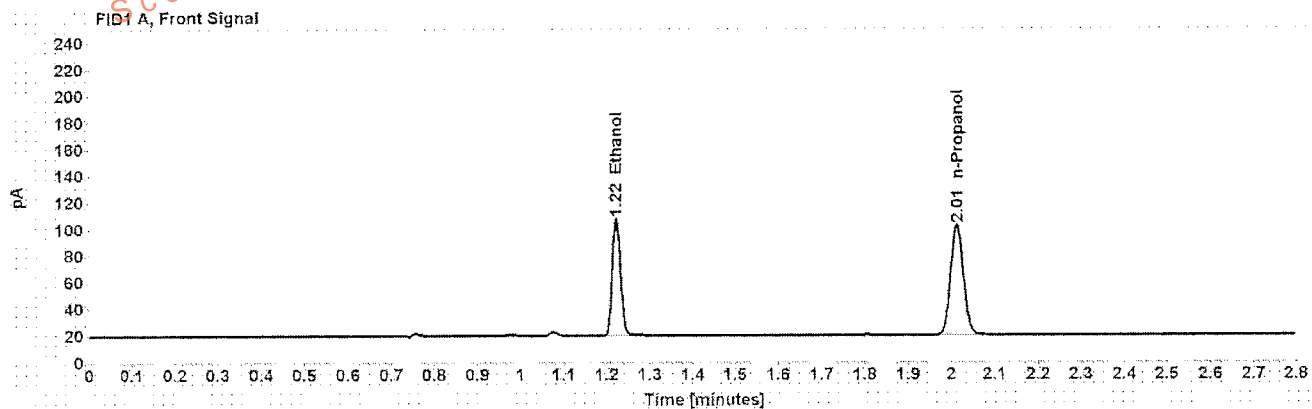


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1935	1.222	116.407
n-Propanol	-----	2.013	170.207

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

Compound	Time (min)	Peak Area
Ethanol	1.325	119.805
n-Propanol	2.343	175.317

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1086549  
Injection date: 8/25/2016 2:29:28 PM Vial: 13  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023.GN14160045 Analyst: Langan  
Data file: C:\Chem32\11>Data\25Aug16\13.D

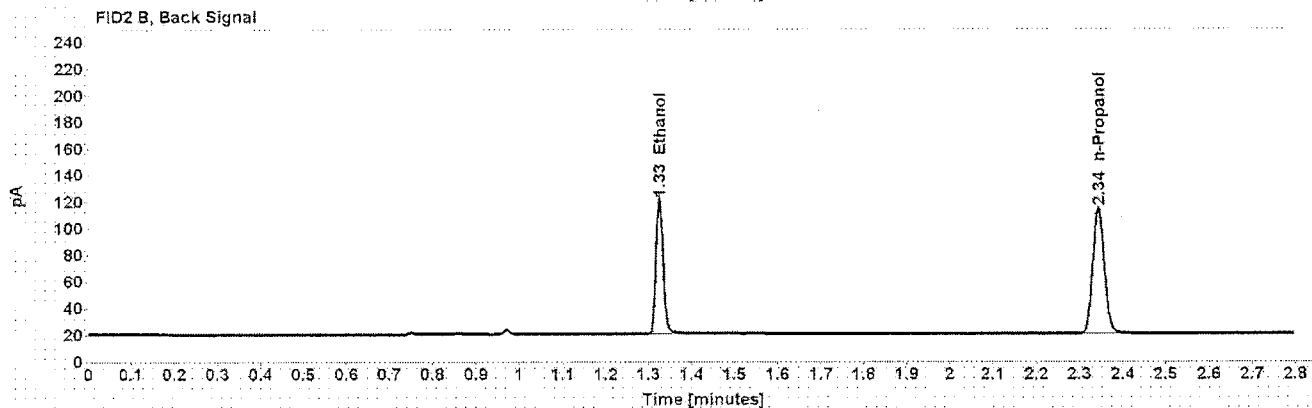
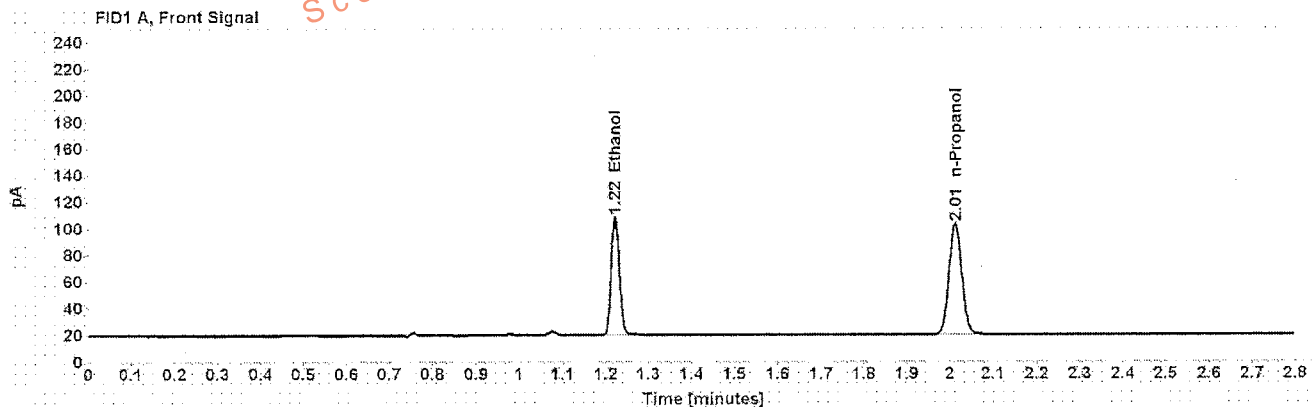


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1935	1.222	117.617
n-Propanol	-----	2.013	172.004

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

Compound	Time (min)	Peak Area
Ethanol	1.325	121.287
n-Propanol	2.343	177.132

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 169-01A
Injection date: 8/25/2016 2:33:28 PM	Vial: 14
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem3211\Data\25Aug16\14.D	

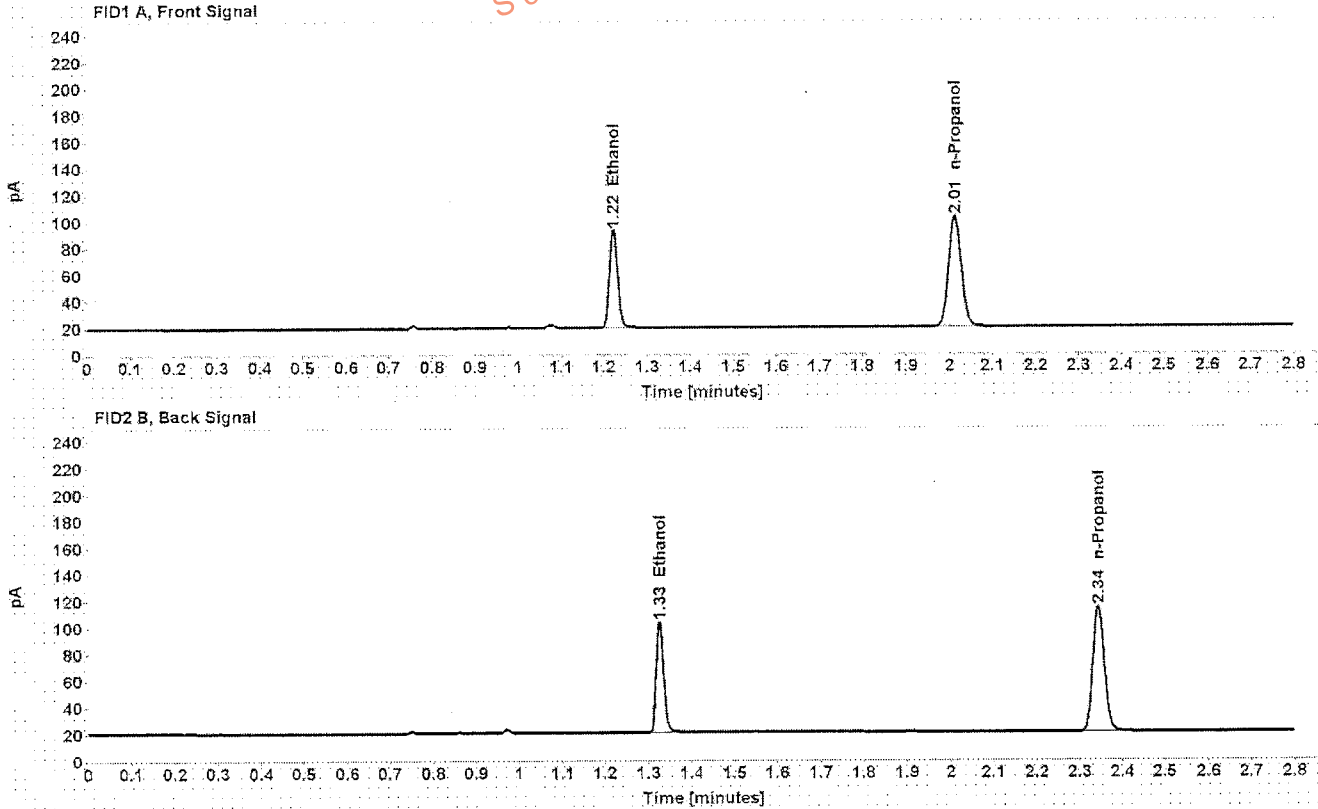


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1604	1.223	97.222
n-Propanol	-----	2.013	171.705

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

Compound	Time (min)	Peak Area
Ethanol	1.326	99.871
n-Propanol	2.344	176.840

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 169-01A
Injection date: 8/25/2016 2:37:28 PM	Vial: 15
Method: ethanol quant M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11Data\25Aug16\15.D	

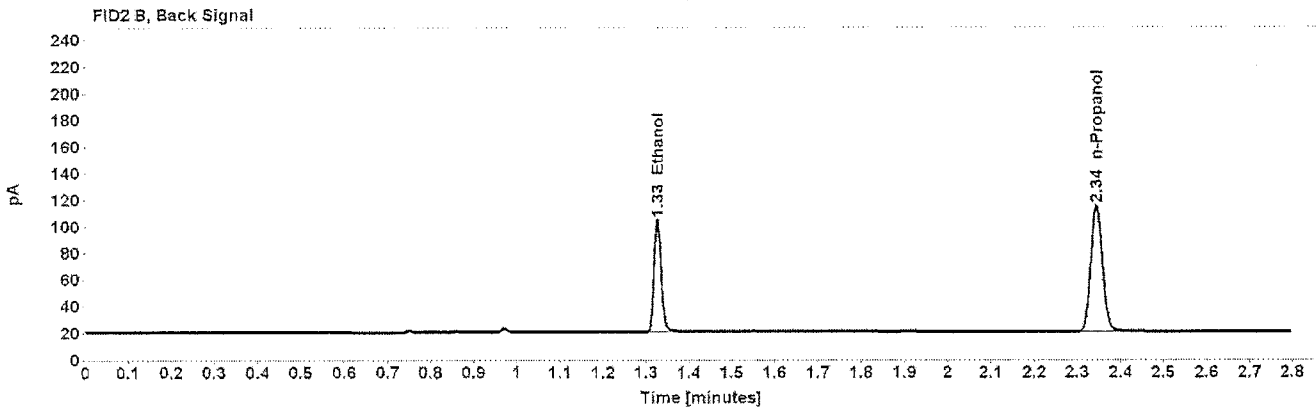
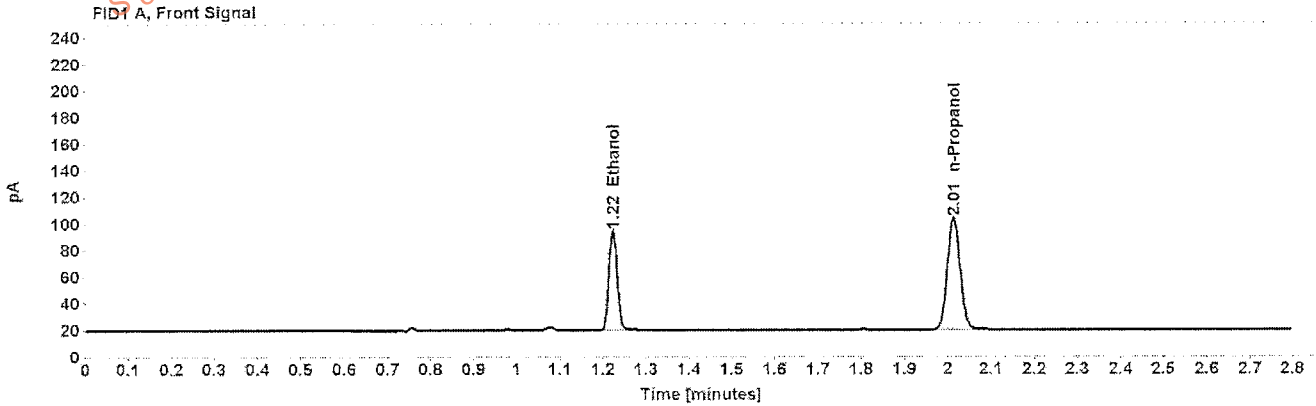


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1613	1.223	98.590
n-Propanol	-----	2.014	173.129

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

Compound	Time (min)	Peak Area
Ethanol	1.326	101.328
n-Propanol	2.344	178.455

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 135-01A
Injection date: 8/25/2016 2:41:29 PM	Vial: 16
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US1473023, CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11Data\25Aug16\16.D	

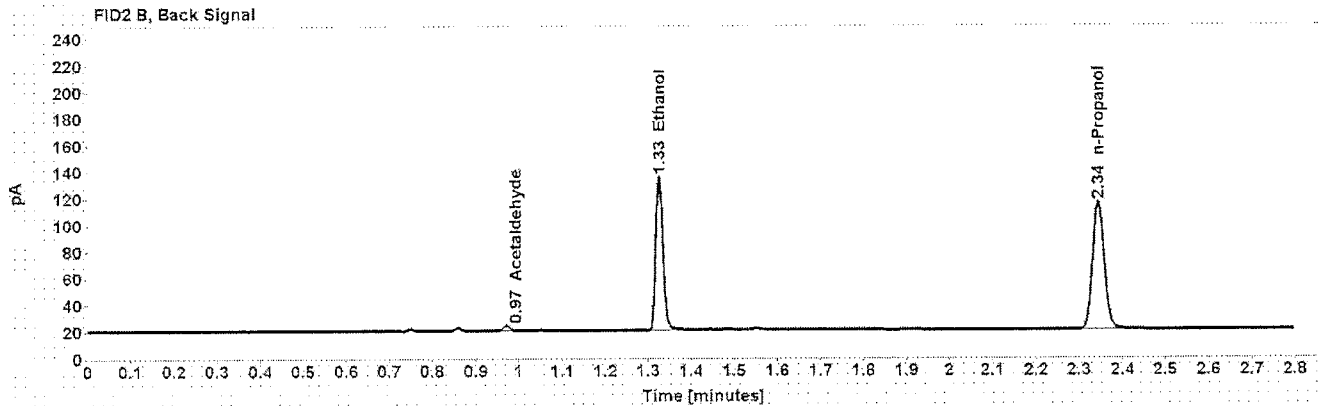
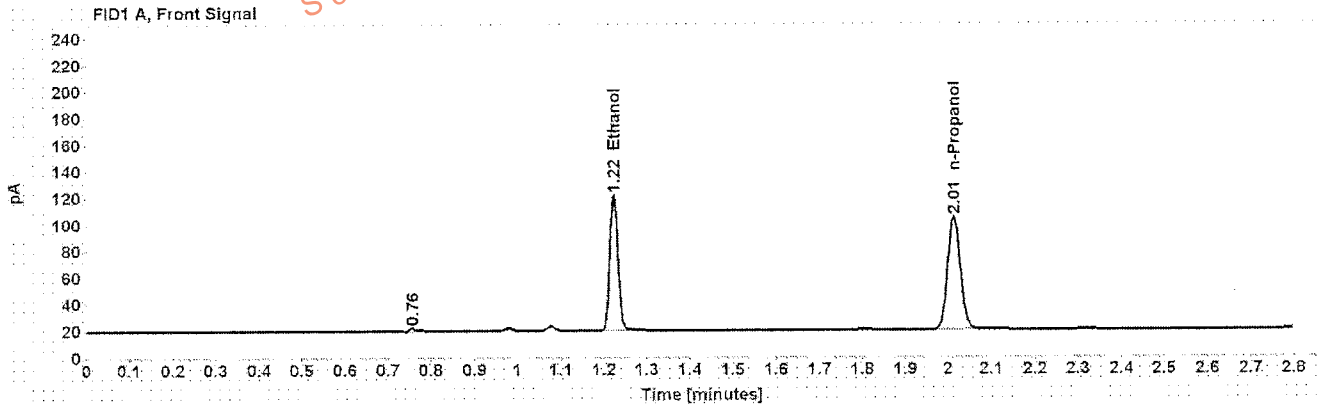


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2181	1.223	134.506
n-Propanol	-----	2.014	174.408

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.920
Ethanol	1.326	138.623
n-Propanol	2.344	179.923

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 135-01A
Injection date: 8/25/2016 2:45:28 PM	Vial: 17
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160025	Analyst: Langan <i>PL</i>
Data file: C:\Chem32\11\Data\25Aug16\17.D	

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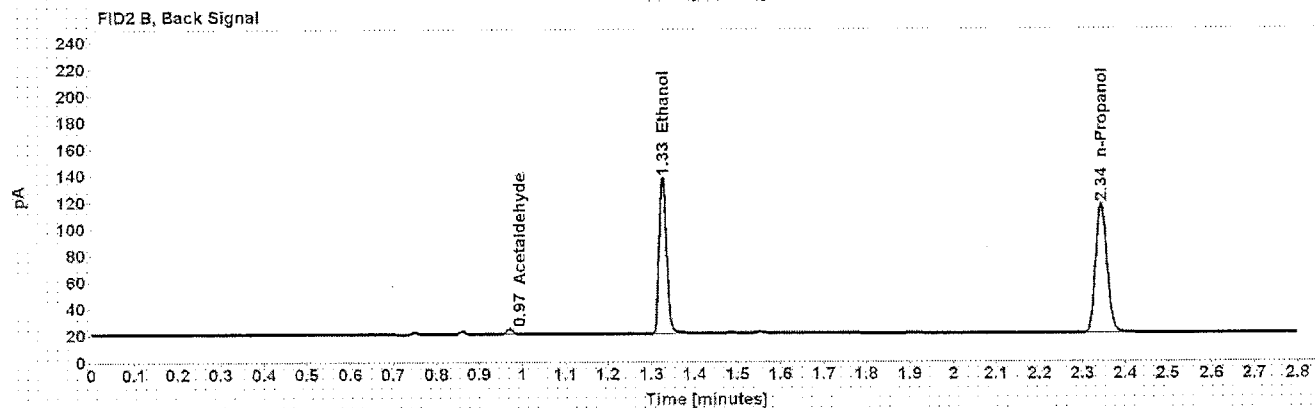
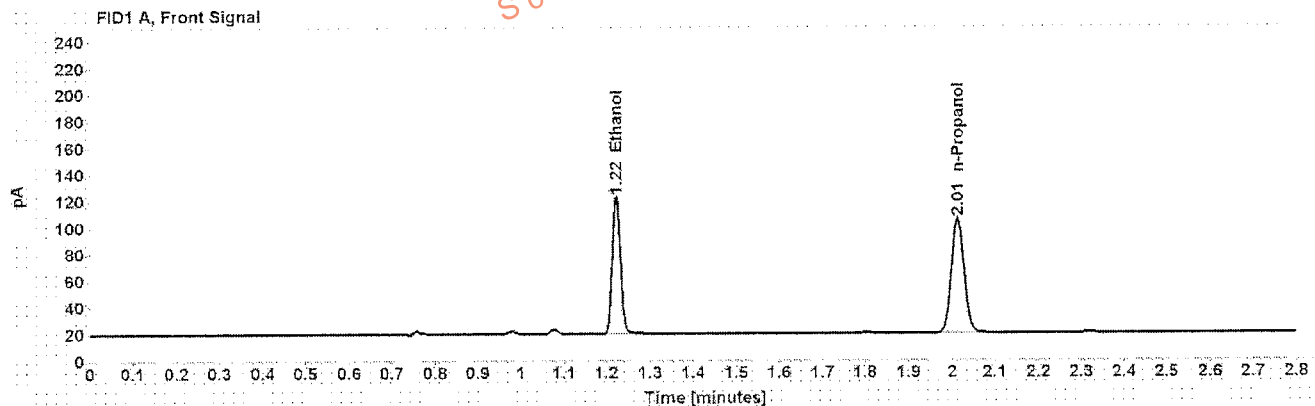


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2176	1.223	135.987
n-Propanol	-----	2.013	176.708

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.894
Ethanol	1.326	140.004
n-Propanol	2.344	182.499

Case: [REDACTED] User: alangan 8/26/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 318-01A
Injection date: 8/25/2016 2:49:29 PM	Vial: 18
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\25Aug16\18.D	

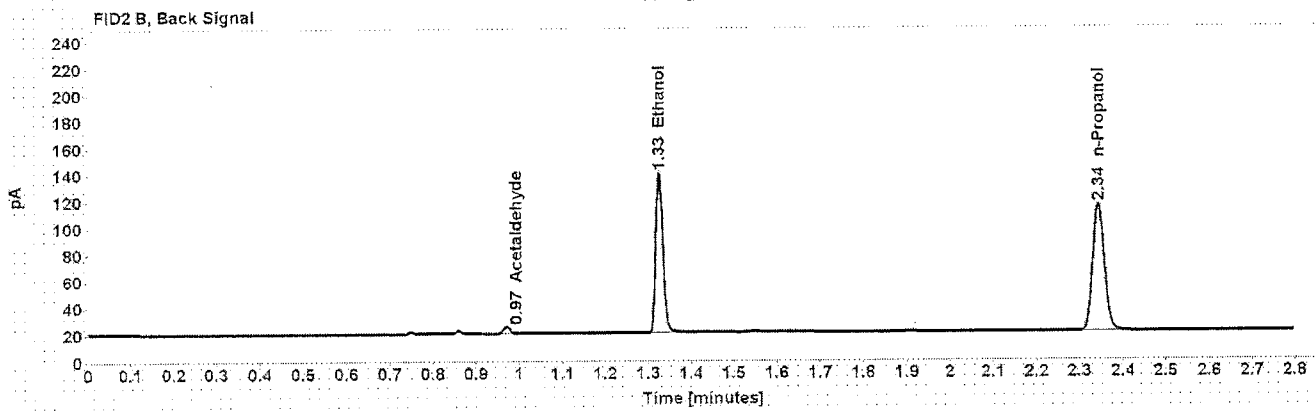
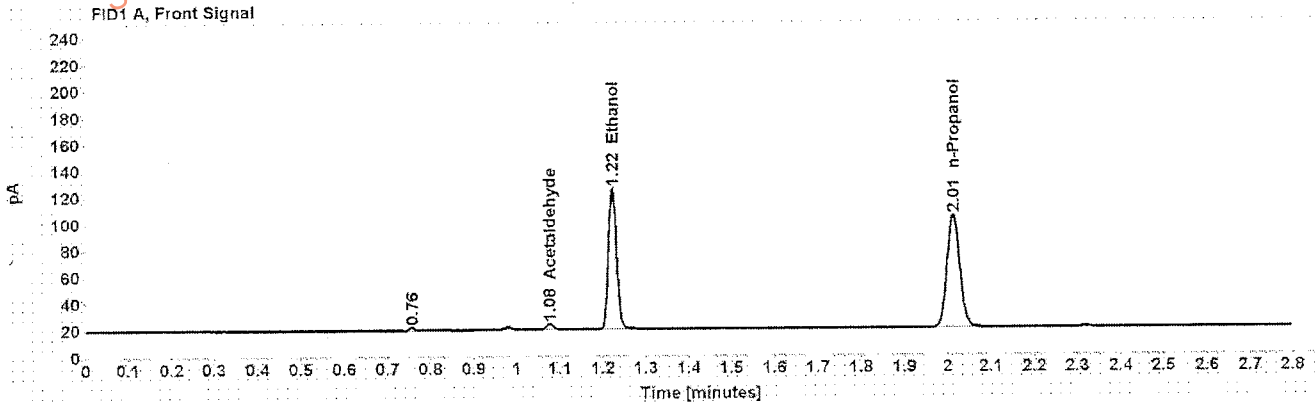


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.712
>Ethanol	0.2270	1.223	139.725
n-Propanol	-----	2.013	174.063

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.982
Ethanol	1.326	144.041
n-Propanol	2.344	179.553

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 318-01A
<b>Injection date:</b> 8/25/2016 2:53:43 PM	<b>Vial:</b> 19
<b>Method:</b> ethanol quant M	<b>Sequence:</b> 25Aug16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan
<b>Data file:</b> C:\Chem3211\Data\25Aug16\19.D	

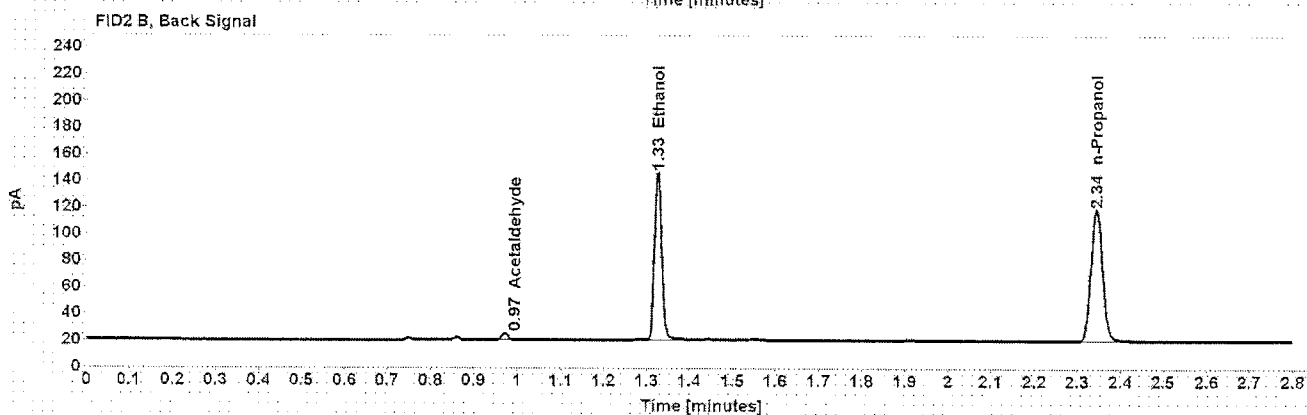
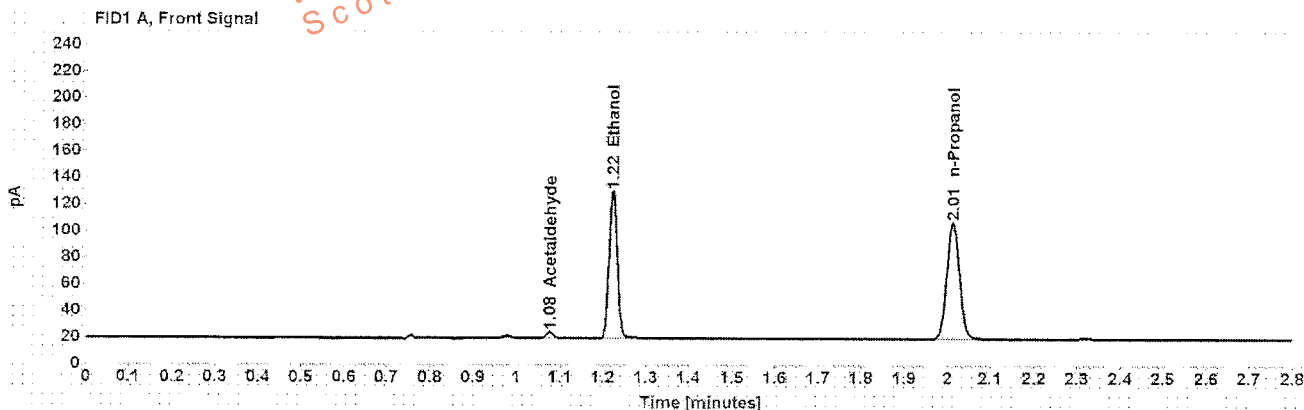


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.801
>Ethanol	0.2281	1.223	145.426
n-Propanol	-----	2.013	180.285

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.082
Ethanol	1.326	151.556
n-Propanol	2.344	185.963



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 176-01A
Injection date: 8/25/2016 3:01:43 PM	Vial: 21
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\25Aug16\21.D	

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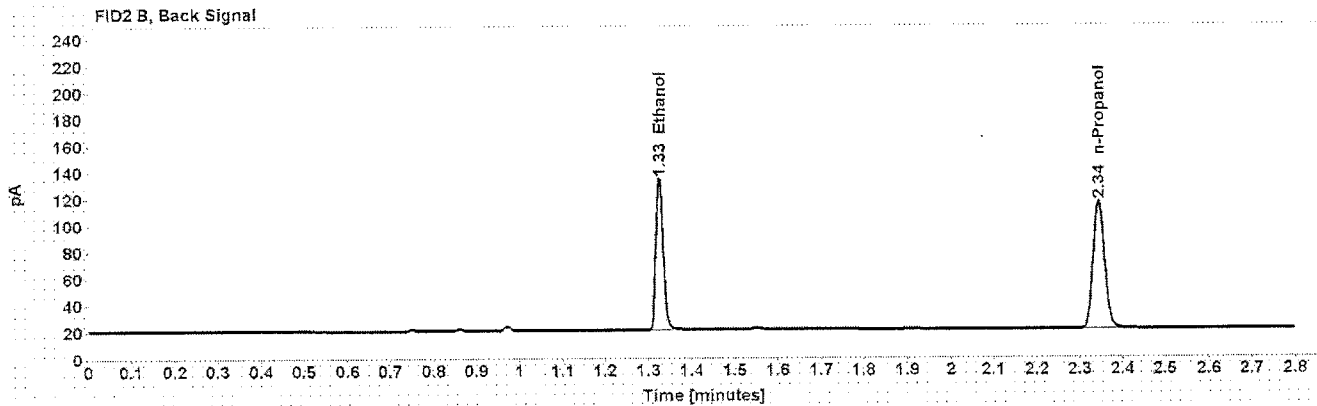
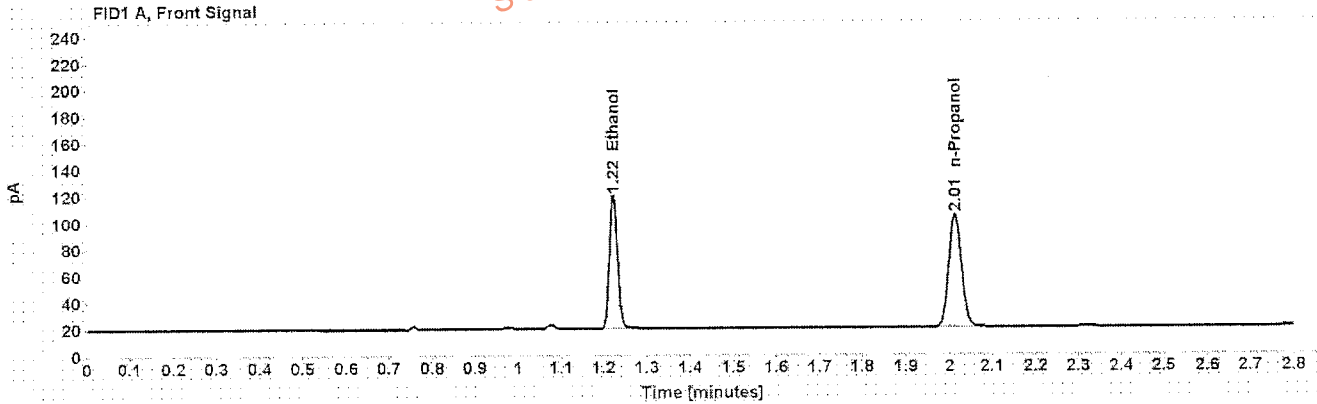


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2141	1.223	132.108
n-Propanol	-----	2.013	174.509

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

Compound	Time (min)	Peak Area
Ethanol	1.326	135.943
n-Propanol	2.344	180.054

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 176-01A  
Injection date: 8/25/2016 3:05:44 PM Vial: 22  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan AL  
Data file: C:\Chem32\11Data\25Aug16\22.D

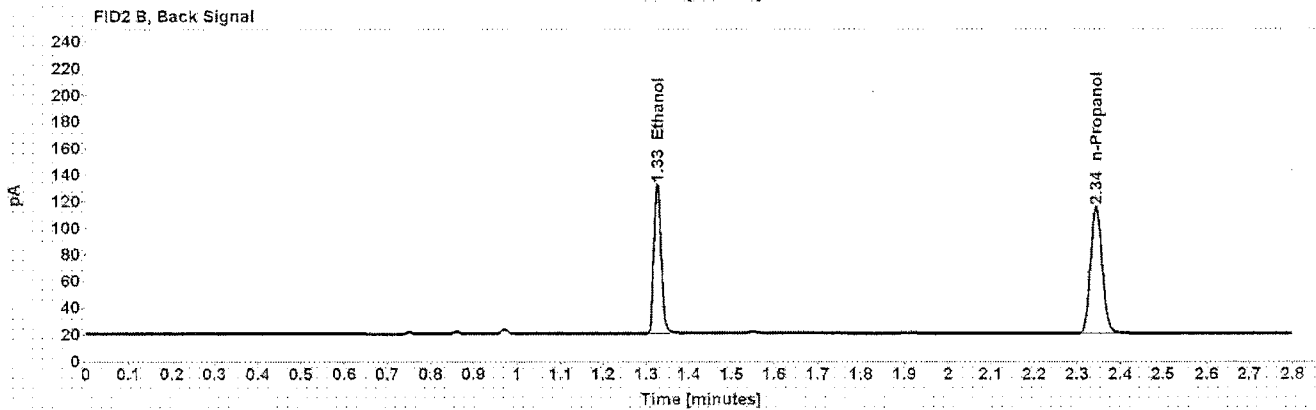
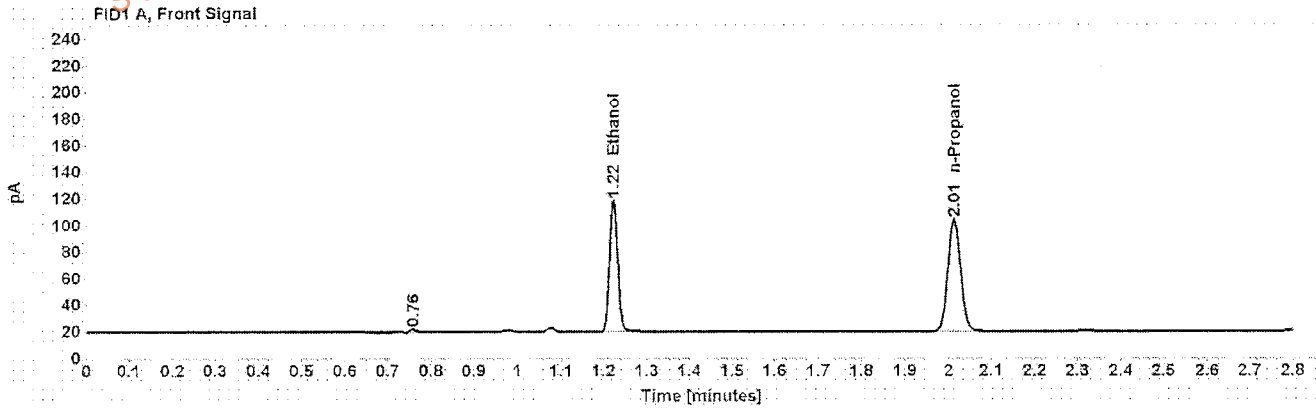


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2132	1.223	130.543
n-Propanol	-----	2.013	173.180

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

Compound	Time (min)	Peak Area
Ethanol	1.326	134.278
n-Propanol	2.344	178.587

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1108079
Injection date: 8/25/2016 3:09:43 PM	Vial: 23
Method: ethanol.quant.M	Sequence: 25Aug16
Instrument: US14173023.ON14160045	Analyst: Langan <i>[Signature]</i>
Data file: C:\Chem3211\Data\25Aug16\23.D	

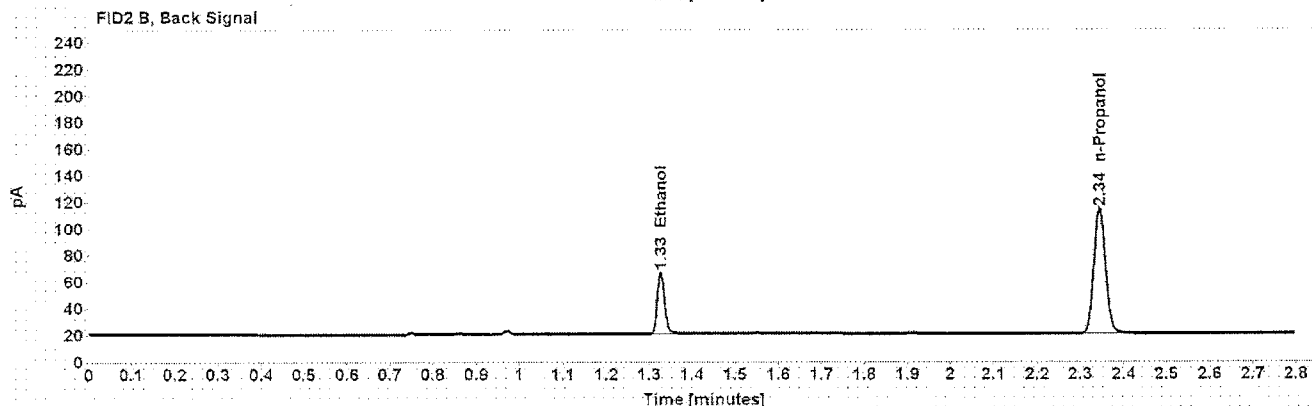
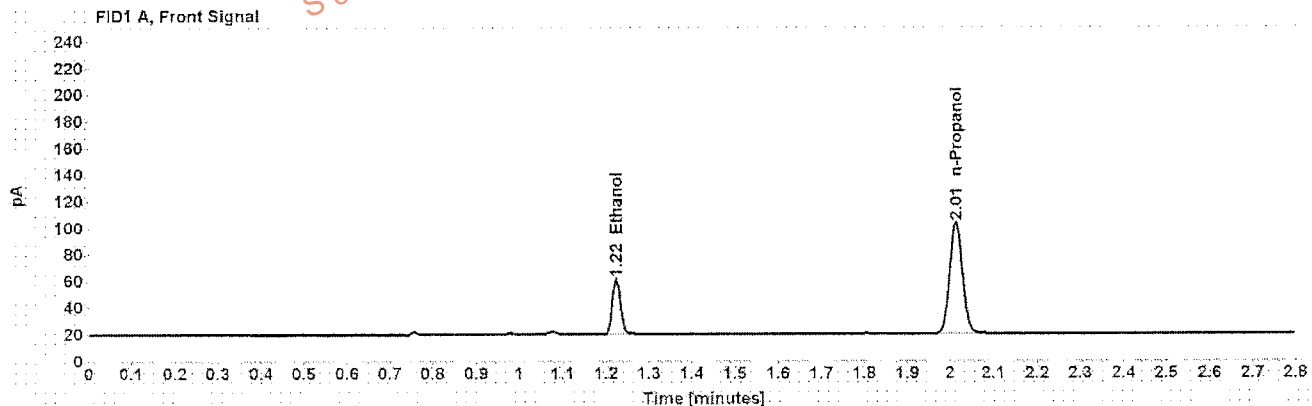


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0900	1.223	54.480
n-Propanol	-----	2.014	172.344

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

Compound	Time (min)	Peak Area
Ethanol	1.327	56.510
n-Propanol	2.344	177.499

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1108079
Injection date: 8/25/2016 3:13:44 PM	Vial: 24
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\11\Data\25Aug16\24.D	

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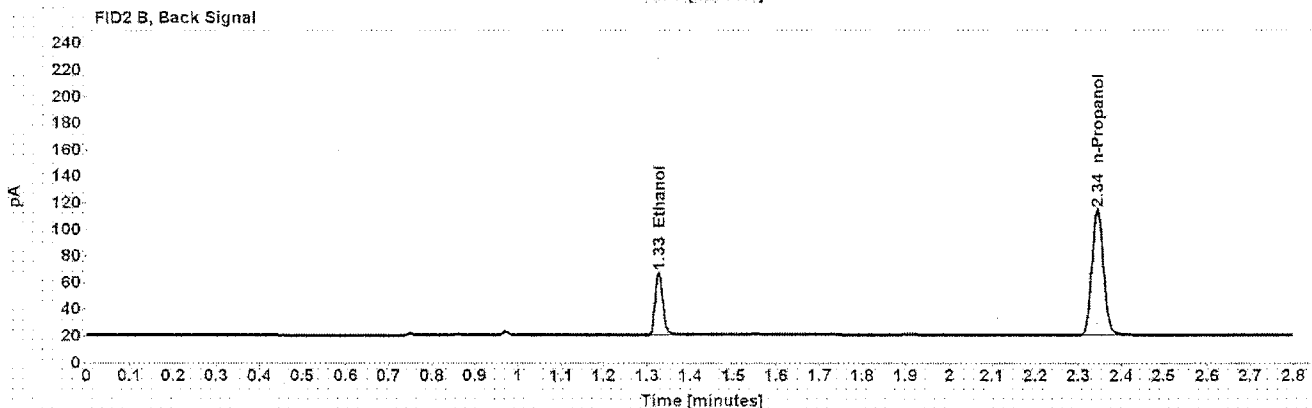
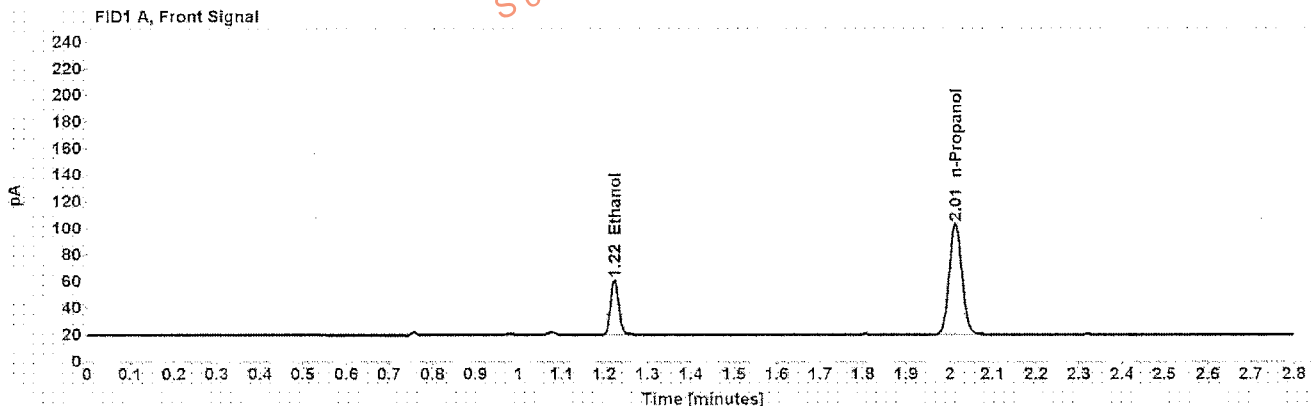


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0903	1.223	54.571
n-Propanol	-----	2.014	171.985

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

Compound	Time (min)	Peak Area
Ethanol	1.327	56.666
n-Propanol	2.344	177.253

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1108861
Injection date: 8/25/2016 3:17:58 PM	Vial: 25
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\25Aug16\25.D	

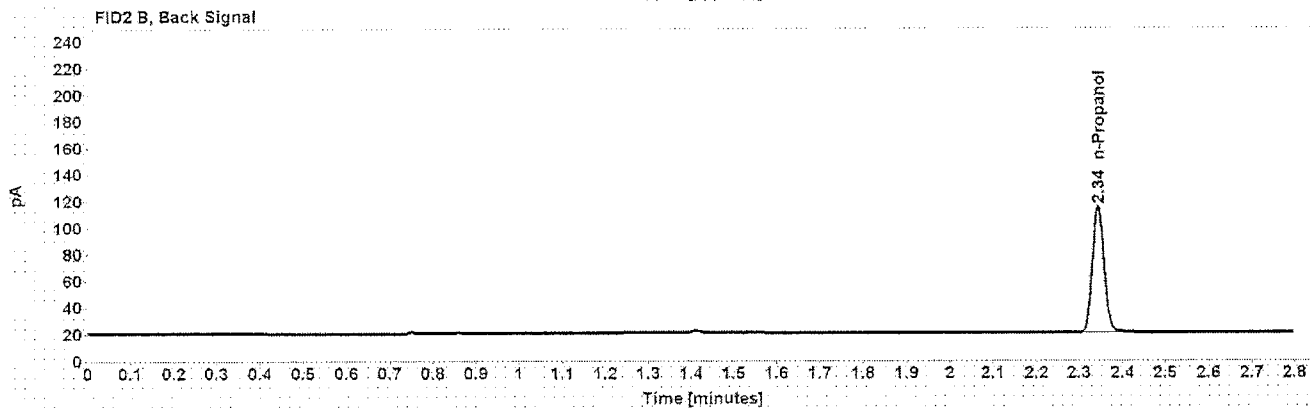
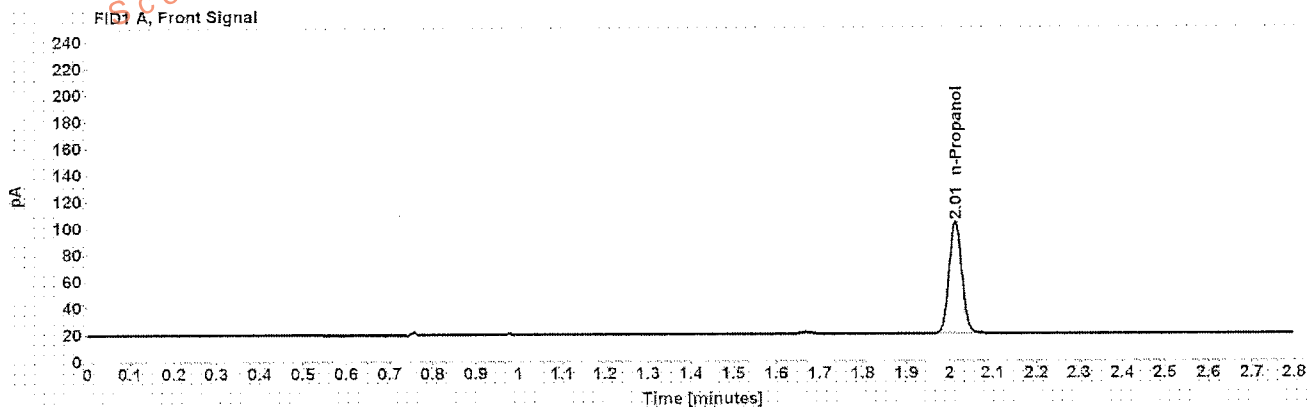


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	173.378

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

Compound	Time (min)	Peak Area
n-Propanol	2.343	178.836

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1108861
Injection date:	8/25/2016 3:21:59 PM	Vial:	26
Method:	ethanol.quant.M	Sequence:	25Aug16
Instrument:	US14173023.ON14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\25Aug16\26.D		

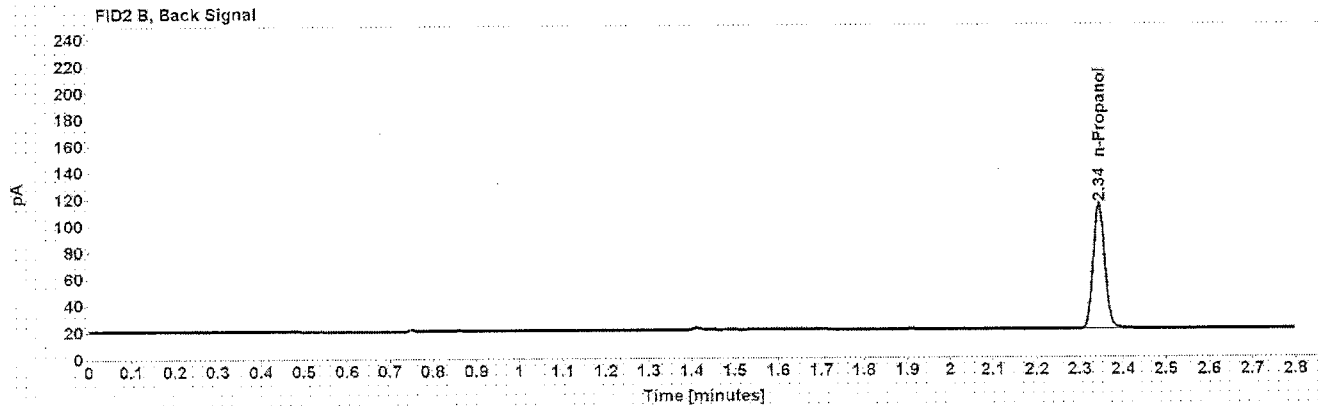
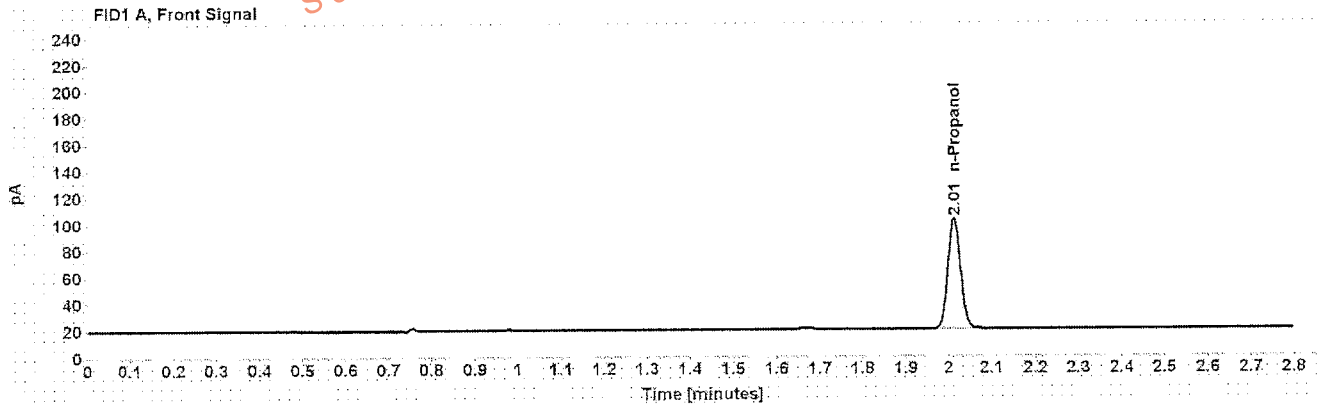


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	171.148

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	176.563

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1080966
Injection date: 8/25/2016 3:25:58 PM	Vial: 27
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\25Aug16\27.D	

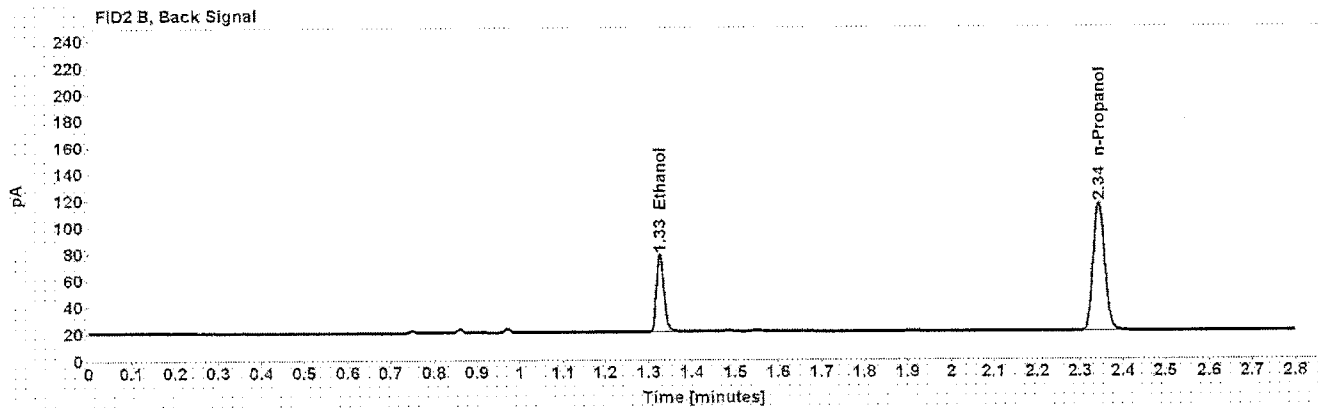
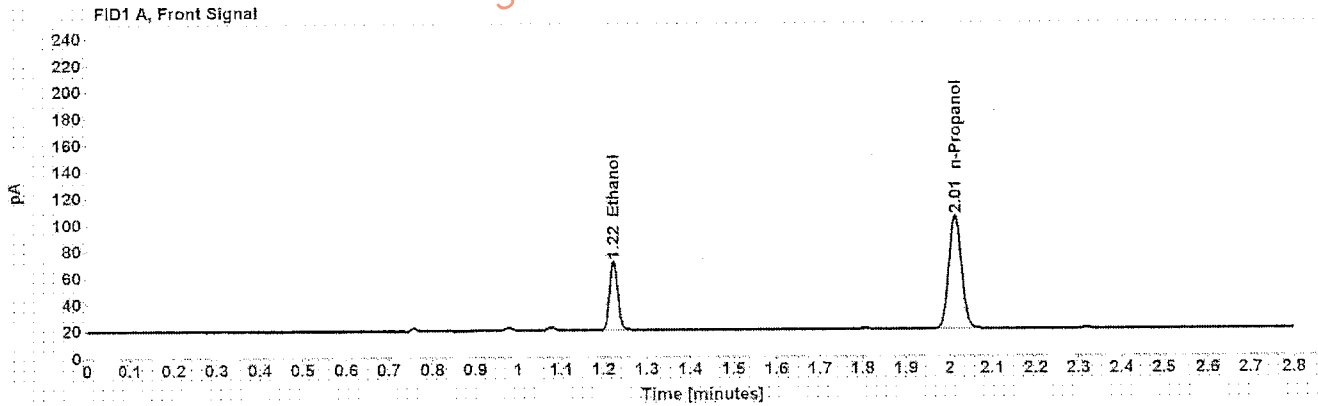


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1106	1.223	68.096
n-Propanol	-----	2.013	174.807

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

Compound	Time (min)	Peak Area
Ethanol	1.326	70.029
n-Propanol	2.344	180.512

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1080966
Injection date:	8/25/2016 3:29:58 PM	Vial:	28
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\25Aug16\28.D		

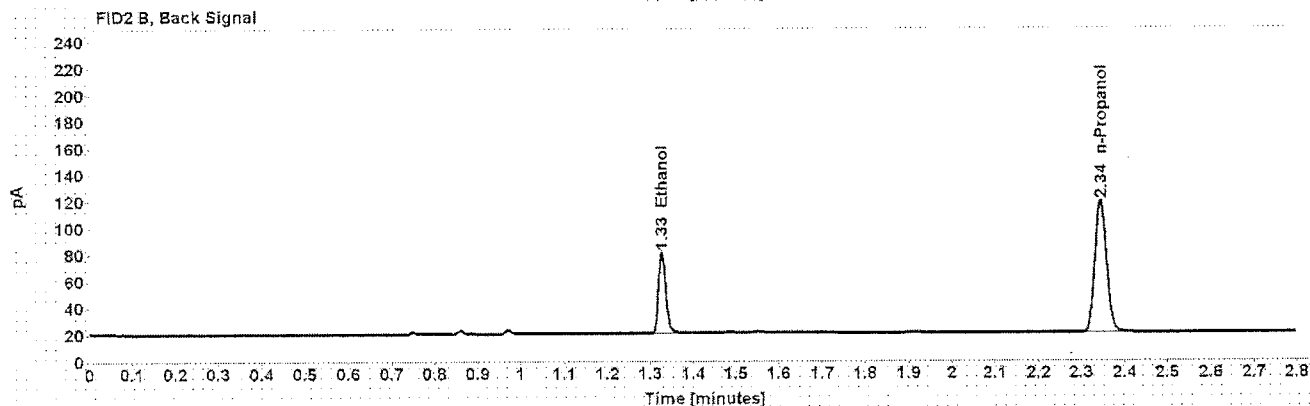
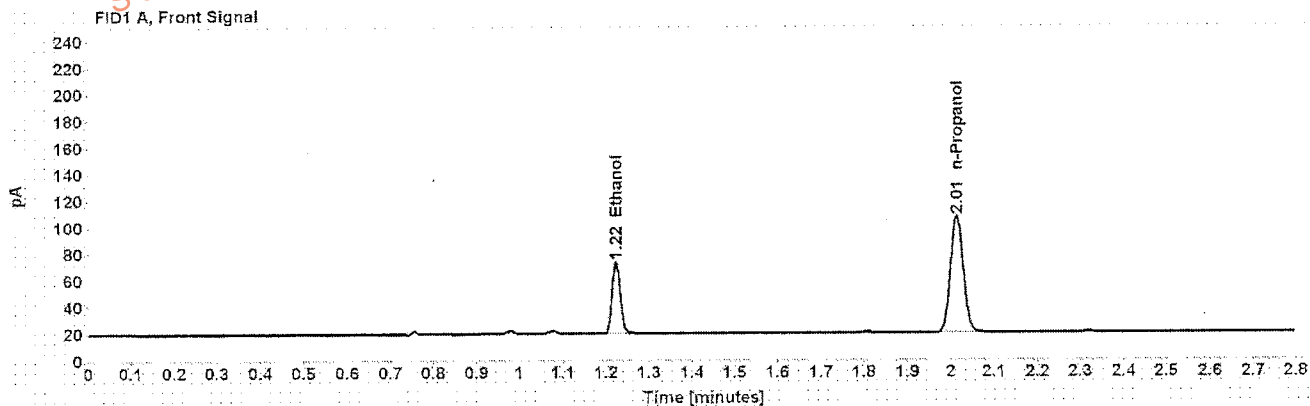


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1118	1.223	70.723
n-Propanol	-----	2.014	179.579

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

Compound	Time (min)	Peak Area
Ethanol	1.327	73.358
n-Propanol	2.344	185.466



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1102725
Injection date:	8/25/2016 3:33:58 PM	Vial:	29
Method:	ethanol quant M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\25Aug16\29.D		

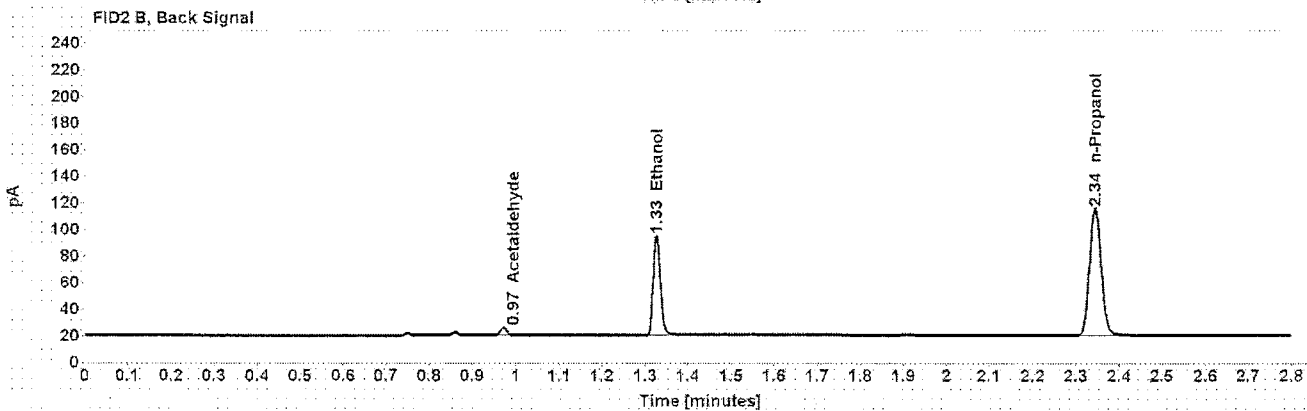
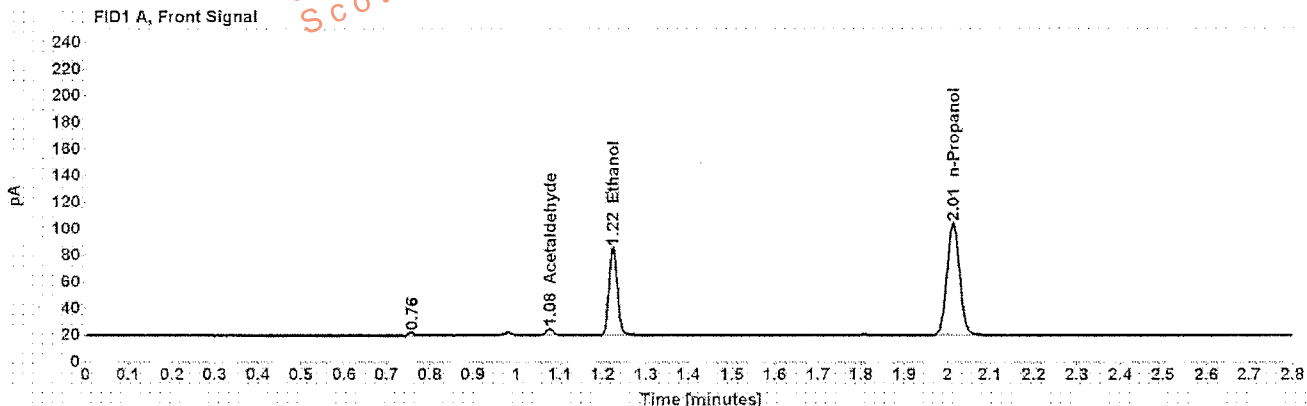


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.542
>Ethanol	0.1418	1.223	86.989
n-Propanol	-----	2.014	173.878

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.804
Ethanol	1.326	89.515
n-Propanol	2.344	179.114

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1102725
Injection date:	8/25/2016 3:37:58 PM	Vial:	30
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\25Aug16\30.D		

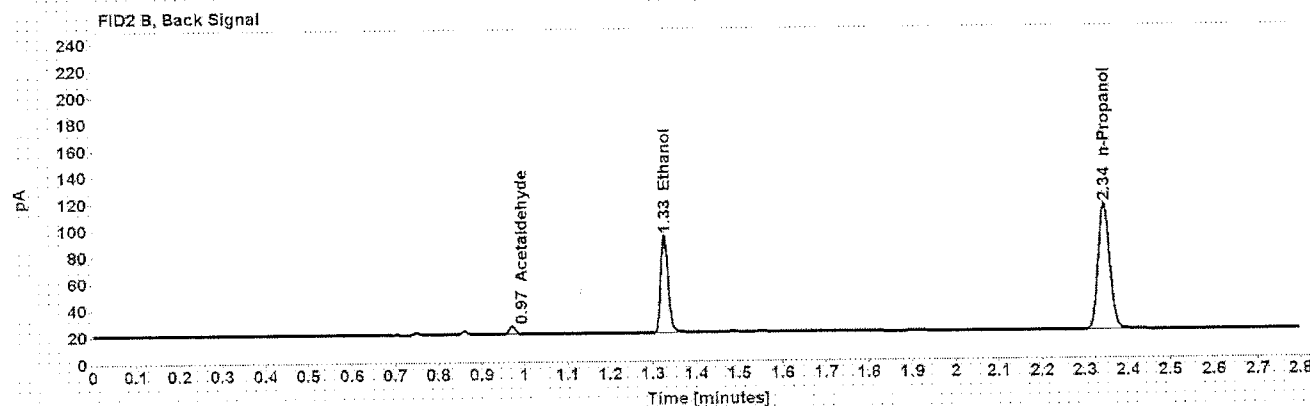
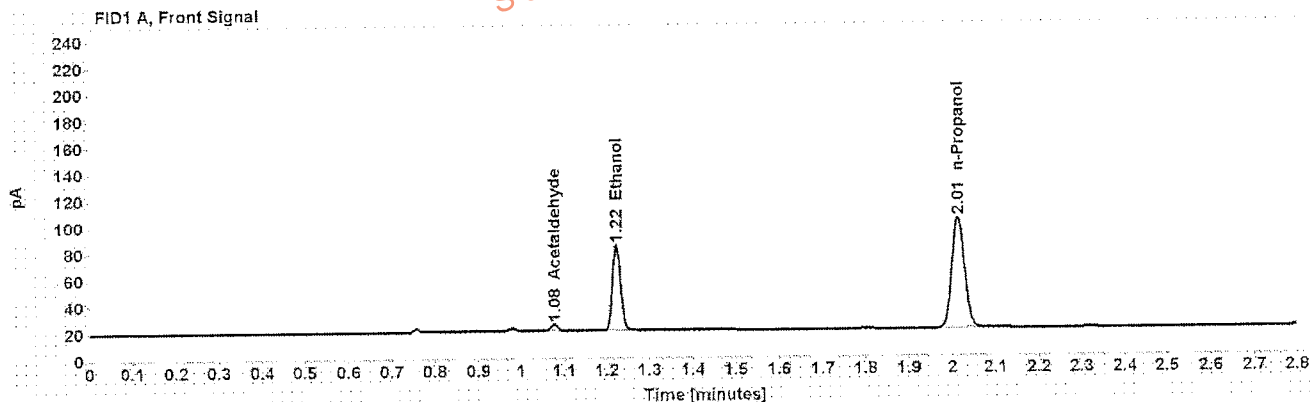


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.530
>Ethanol	0.1410	1.223	85.403
n-Propanol	-----	2.013	171.706

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.855
Ethanol	1.326	87.706
n-Propanol	2.344	177.037

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1107541
Injection date:	8/25/2016 3:46:13 PM	Vial:	32
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\25Aug16\32.D		

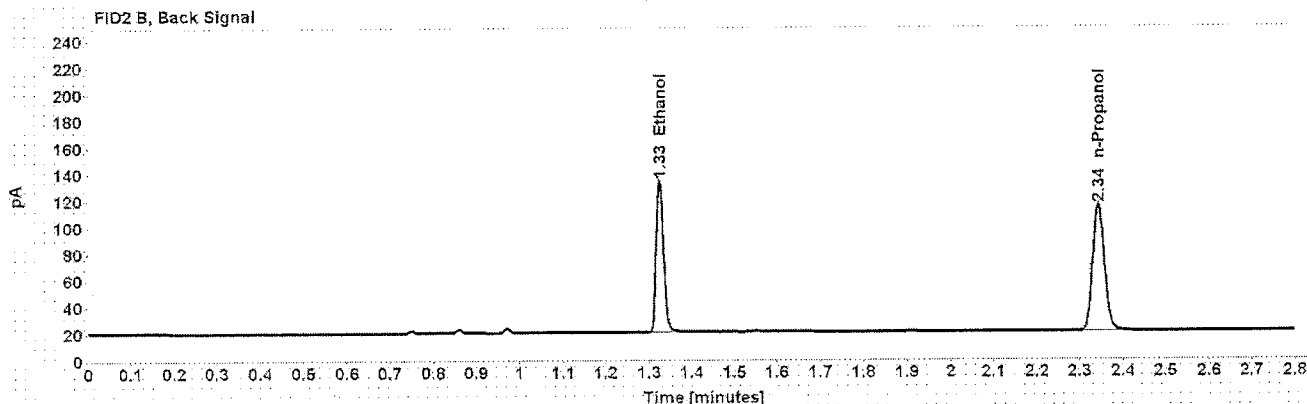
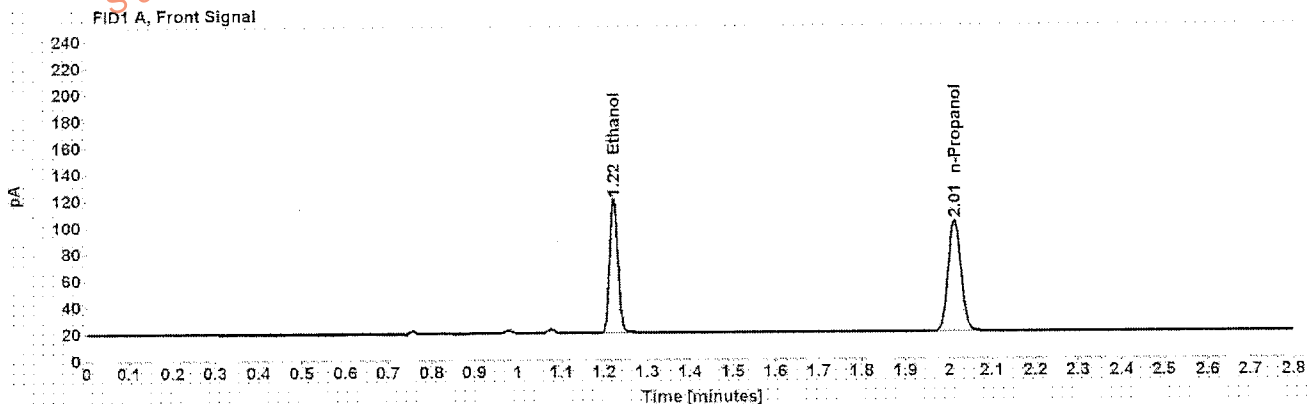


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2175	1.223	132.730
n-Propanol	-----	2.013	172.548

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

Compound	Time (min)	Peak Area
Ethanol	1.325	136.730
n-Propanol	2.343	177.662

Case: [REDACTED] User: alangan 8/26/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1107541
Injection date: 8/25/2016 3:50:13 PM	Vial: 33
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem321\1Data\25Aug16\33.D	

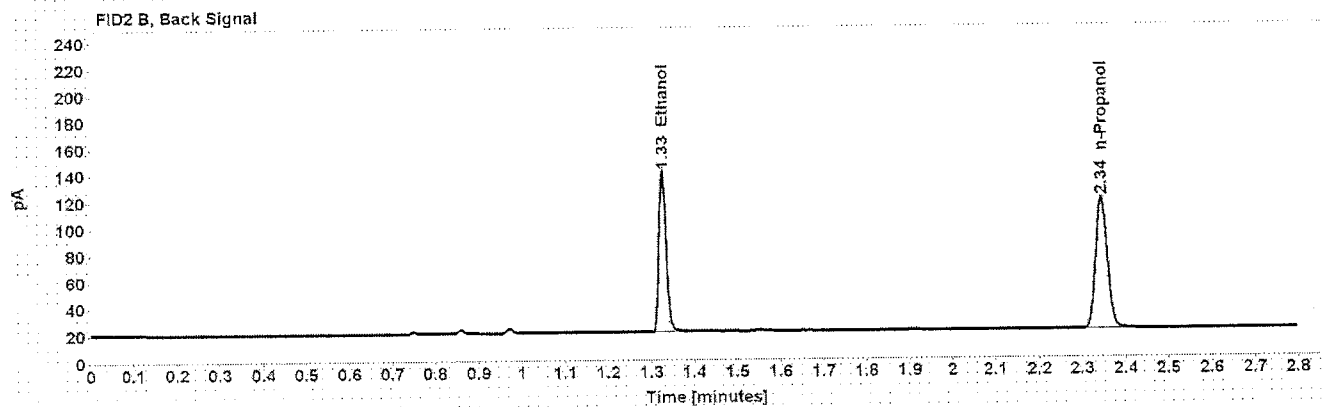
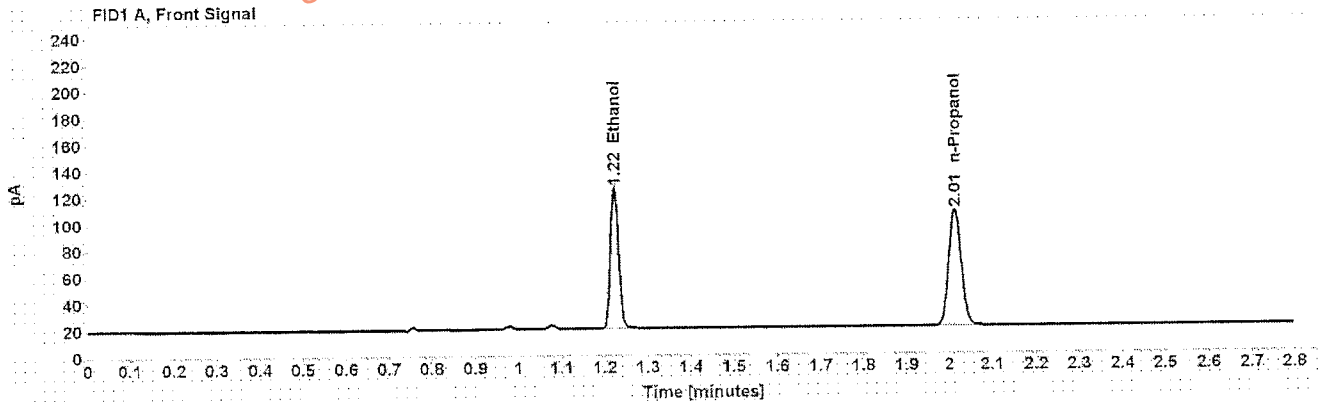


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2204	1.223	139.903
n-Propanol	-----	2.013	179.484

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

Compound	Time (min)	Peak Area
Ethanol	1.326	144.102
n-Propanol	2.344	184.843

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1065648  
Injection date: 8/25/2016 3:54:14 PM Via: 34  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\25Aug16\34.D

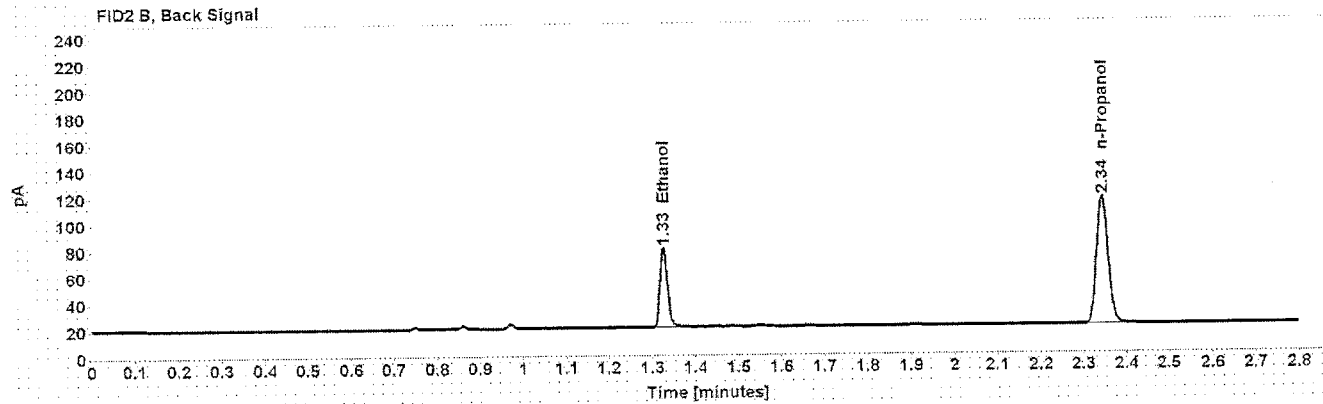
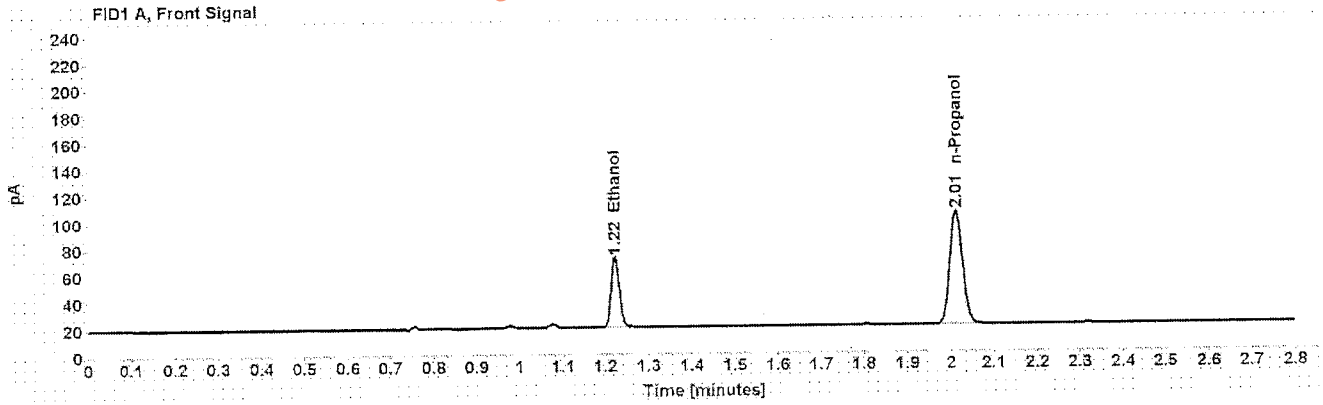


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1133	1.223	69.709
n-Propanol	-----	2.013	174.758

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

Compound	Time (min)	Peak Area
Ethanol	1.326	72.217
n-Propanol	2.344	180.601

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1065648  
Injection date: 8/25/2016 3:58:14 PM Vial: 35  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\25Aug16\35.D

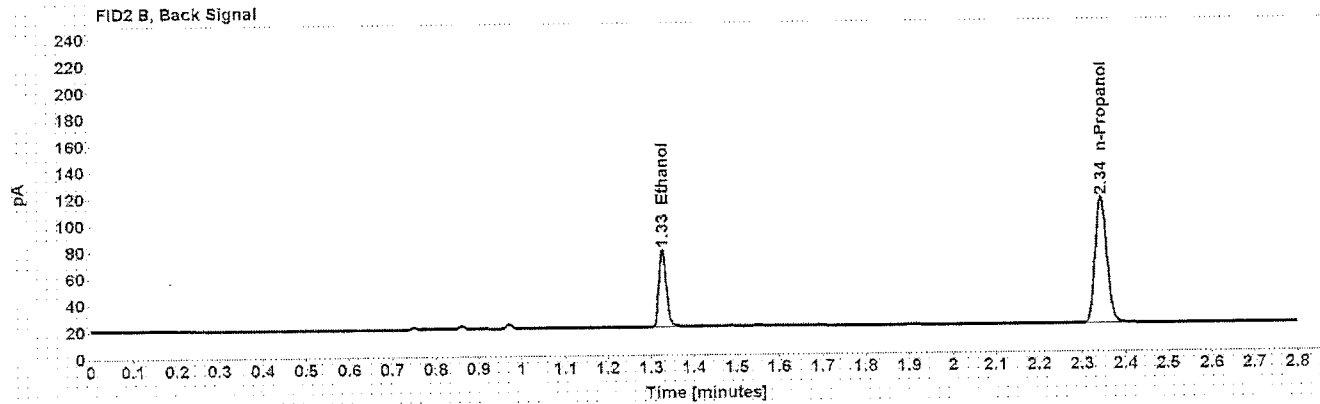
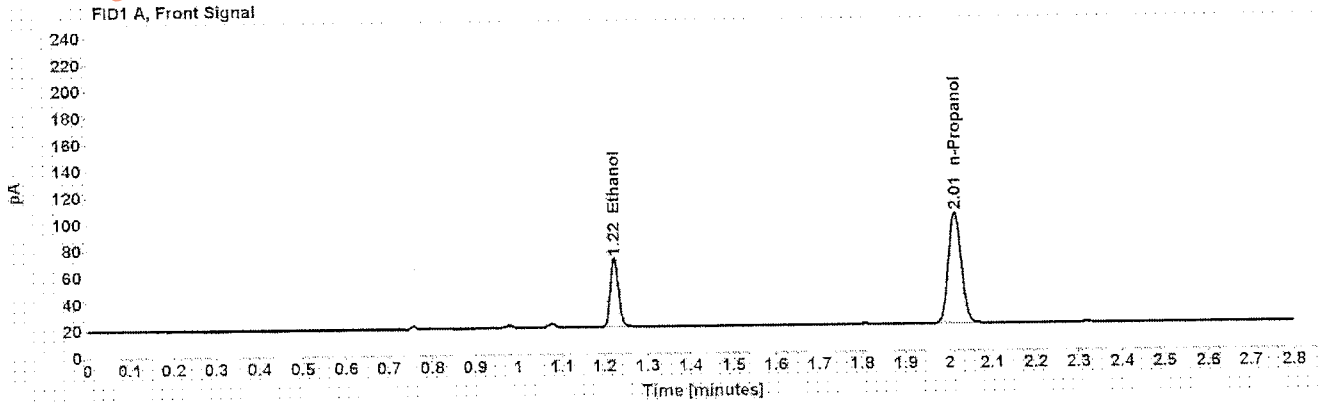


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1124	1.223	68.080
n-Propanol	-----	2.013	171.979

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

Compound	Time (min)	Peak Area
Ethanol	1.326	70.191
n-Propanol	2.344	177.483

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1107468
Injection date:	8/25/2016 4:02:14 PM	Vial:	36
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11>Data\25Aug16\36.D		

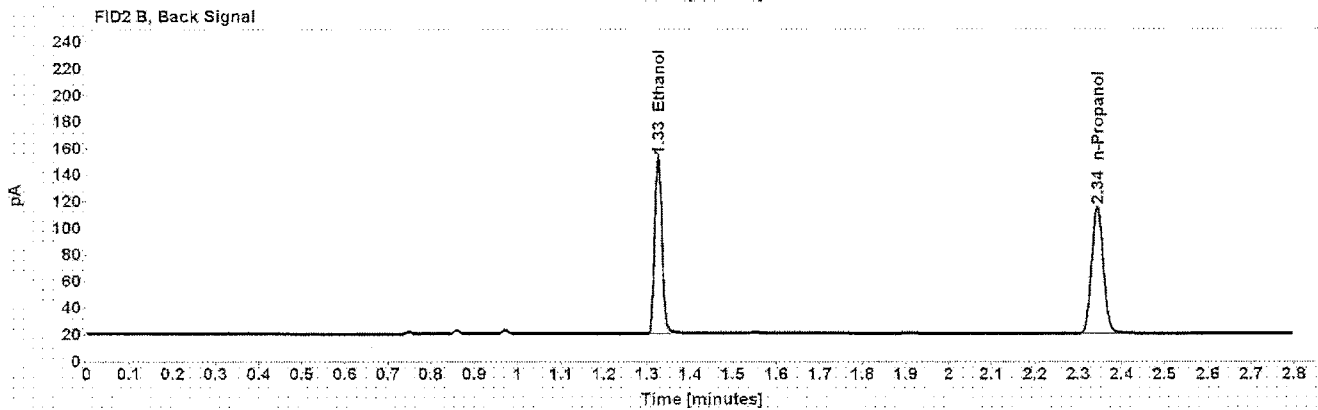
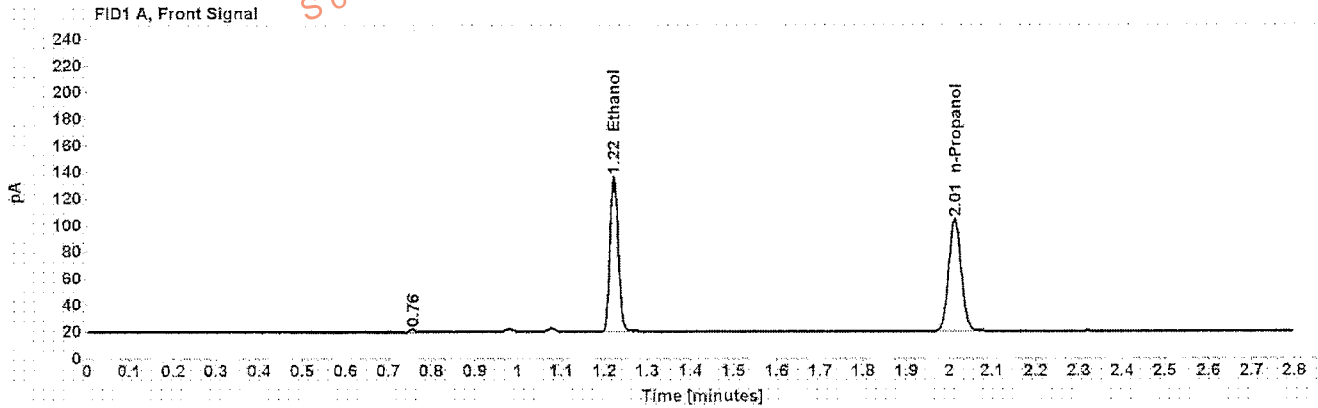


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2517	1.222	154.679
n-Propanol	-----	2.013	173.655

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

Compound	Time (min)	Peak Area
Ethanol	1.325	159.617
n-Propanol	2.344	178.979

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1107468  
Injection date: 8/25/2016 4:06:29 PM Vial: 37  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\11\Data\25Aug16\137.D

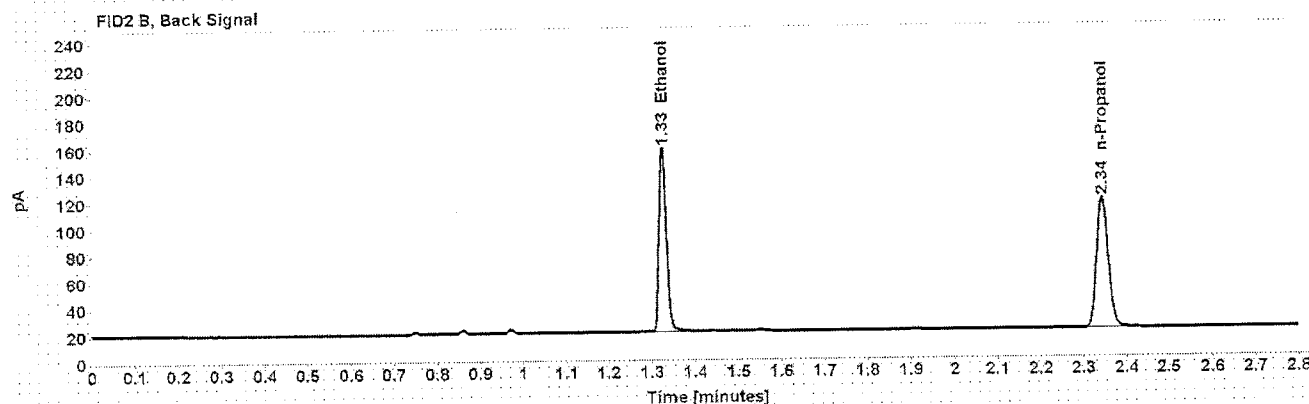
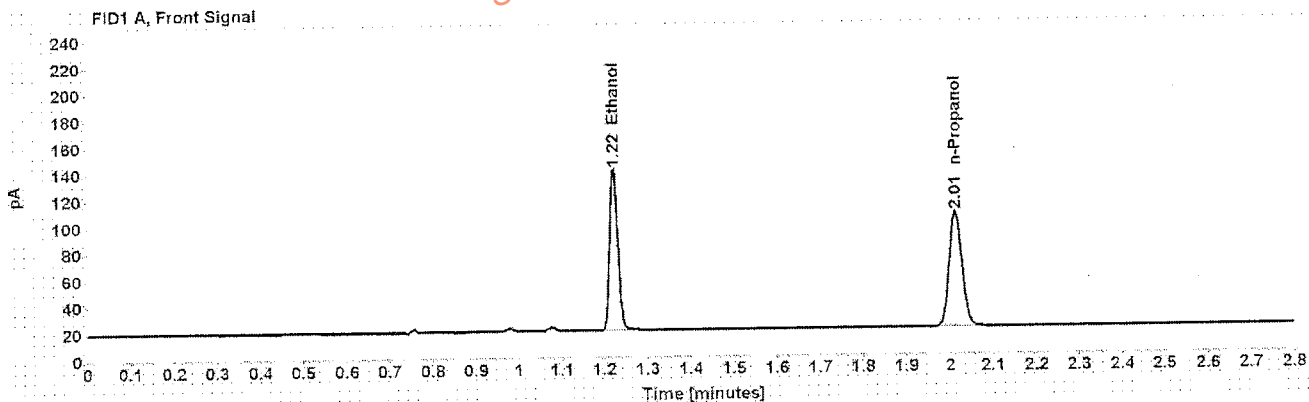


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2545	1.223	160.016
n-Propanol	-----	2.014	177.719

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

Compound	Time (min)	Peak Area
Ethanol	1.326	166.642
n-Propanol	2.344	183.386



Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1107173
Injection date:	8/25/2016 4:10:28 PM	Vial:	38
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem321\Data\25Aug16\38.D		

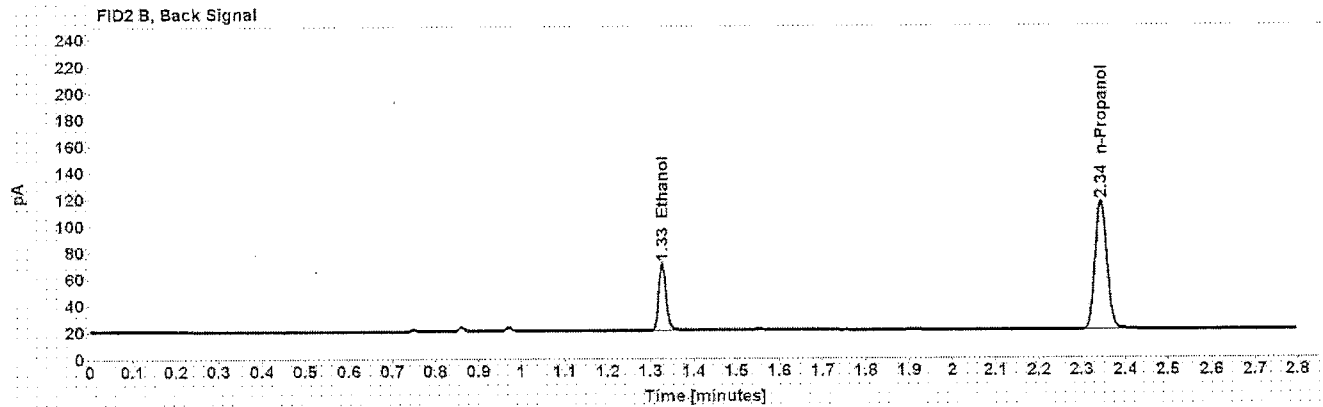
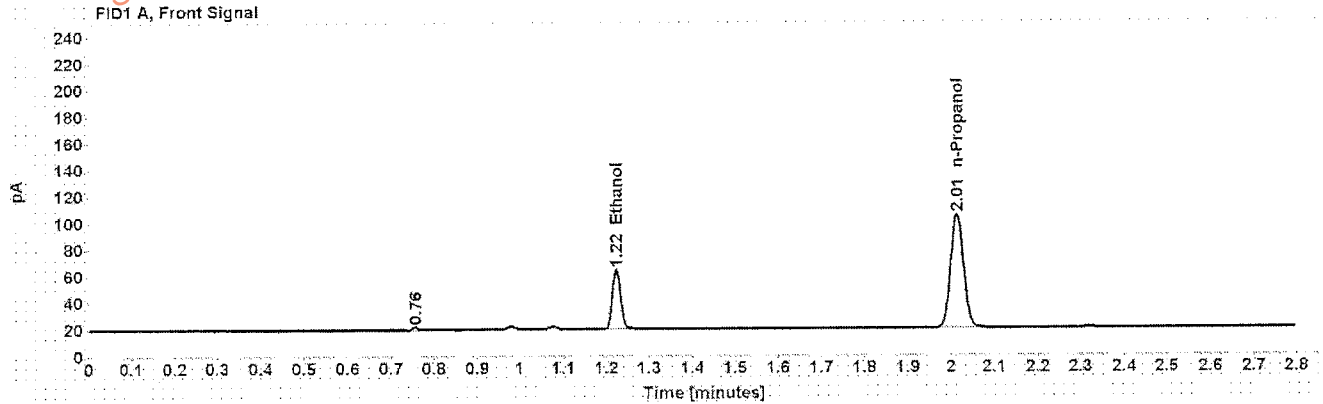


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0953	1.223	58.931
n-Propanol	-----	2.013	175.943

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

Compound	Time (min)	Peak Area
Ethanol	1.326	60.645
n-Propanol	2.344	181.682

Case: [REDACTED] User: alangan 8/26/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1107173  
Injection date: 8/25/2016 4:14:29 PM Vial: 39  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem321\1Data\25Aug16\39.D

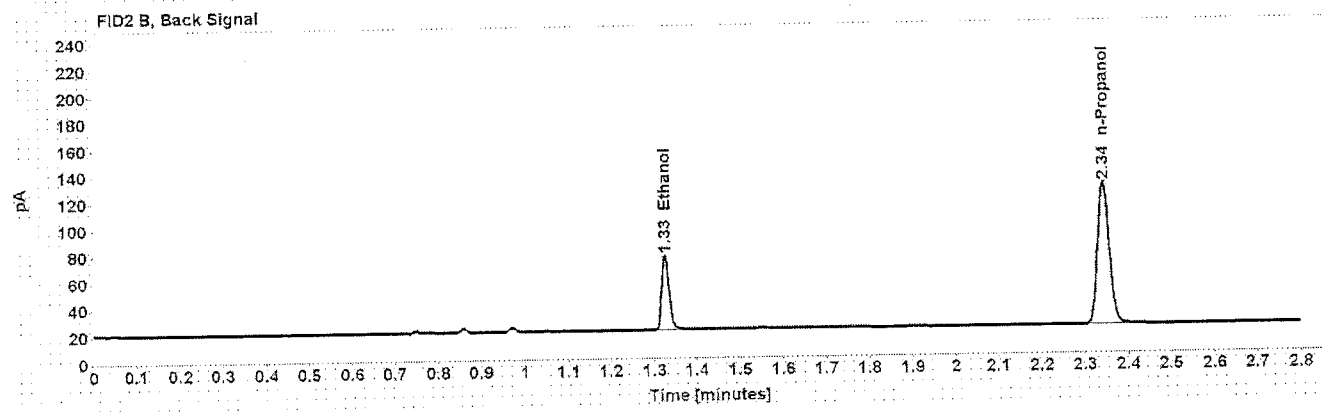
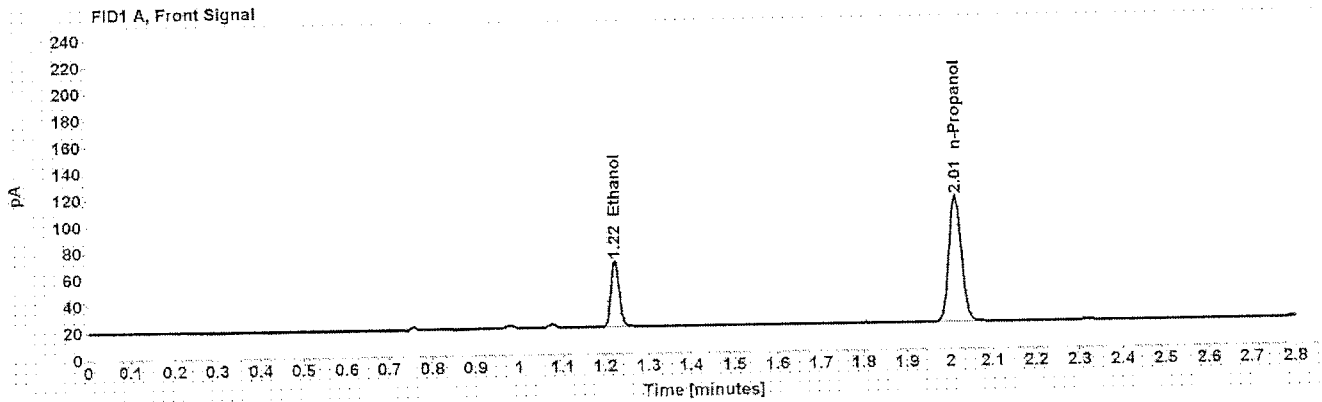


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0959	1.223	65.351
n-Propanol	-----	2.013	193.842

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

Compound	Time (min)	Peak Area
Ethanol	1.326	67.255
n-Propanol	2.344	200.169

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1072751
Injection date:	8/25/2016 4:18:29 PM	Vial:	40
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\25Aug16\40.D		

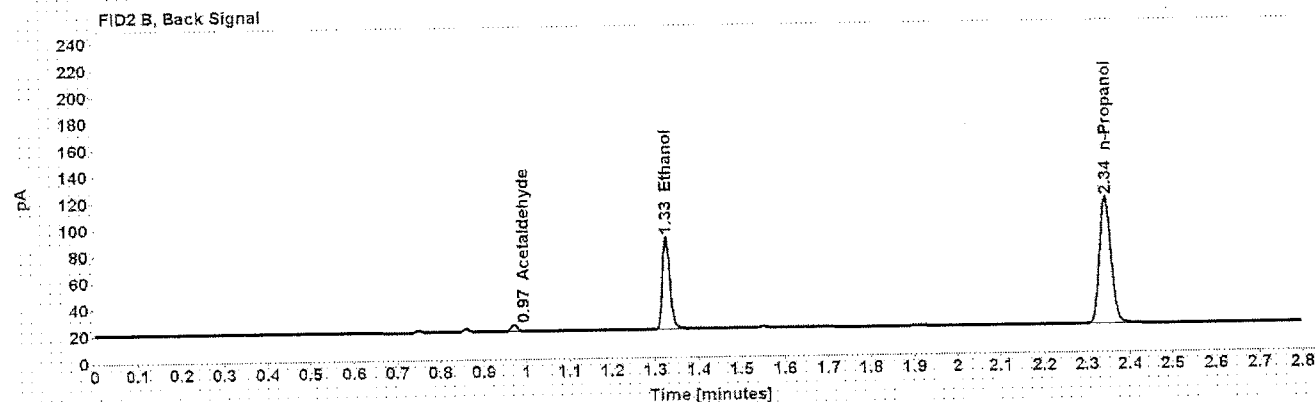
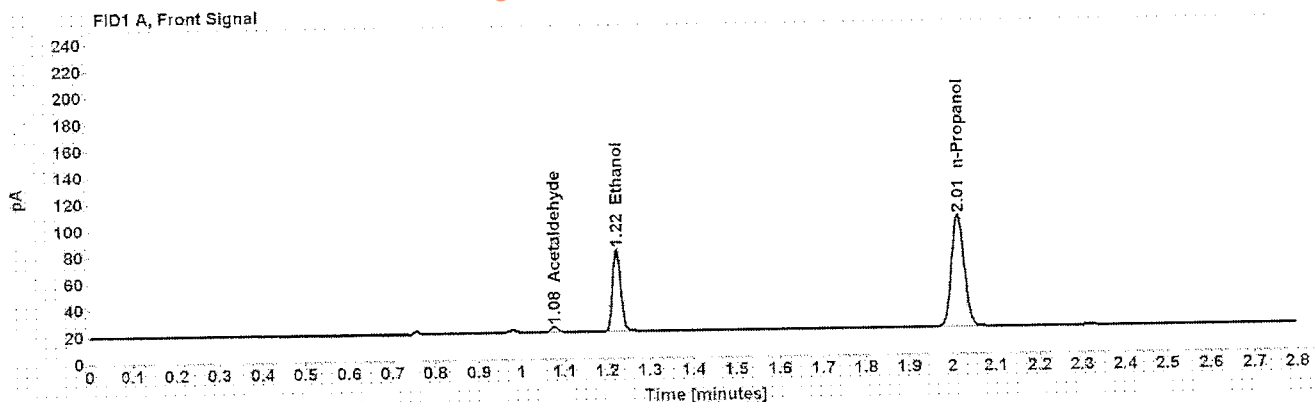


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.487
>Ethanol	0.1338	1.223	81.665
n-Propanol	-----	2.013	173.149

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.791
Ethanol	1.326	83.912
n-Propanol	2.343	178.977

Case: [REDACTED] User: alangan 8/26/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1072751
<b>Injection date:</b> 8/25/2016 4:22:29 PM	<b>Vial:</b> 41
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Aug16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan
<b>Data file:</b> C:\Chem32\1\Data\25Aug16\41.D	

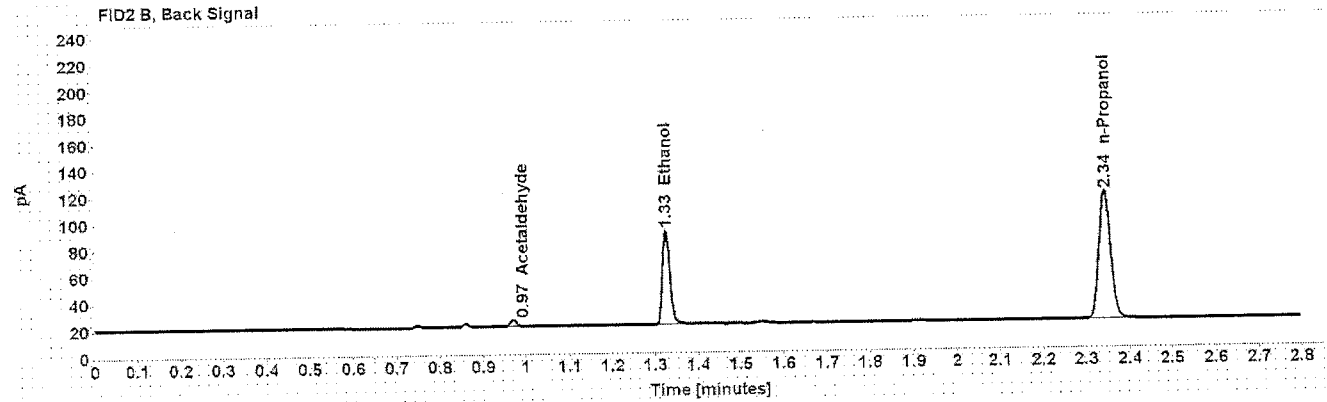
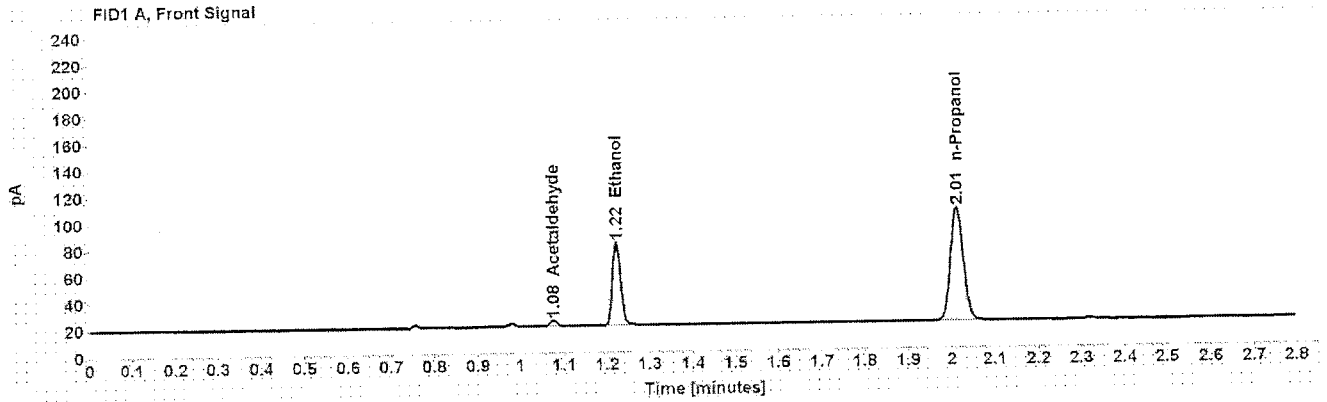


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.556
>Ethanol	0.1339	1.223	82.621
n-Propanol	-----	2.013	174.947

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.862
Ethanol	1.326	85.021
n-Propanol	2.343	180.789

Case: [REDACTED]

User: alangan 8/26/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1108800
Injection date:	8/25/2016 4:30:43 PM	Vial:	43
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\25Aug16\43.D		

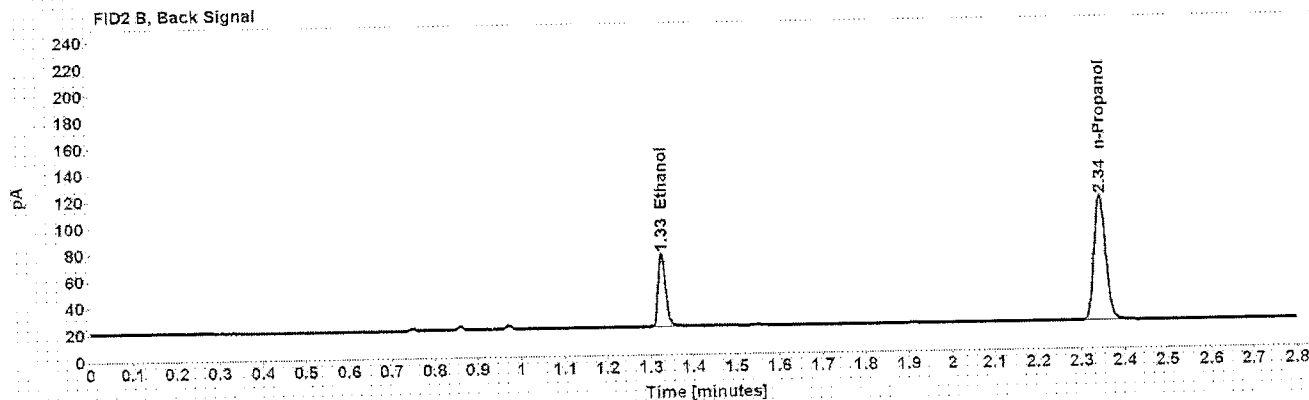
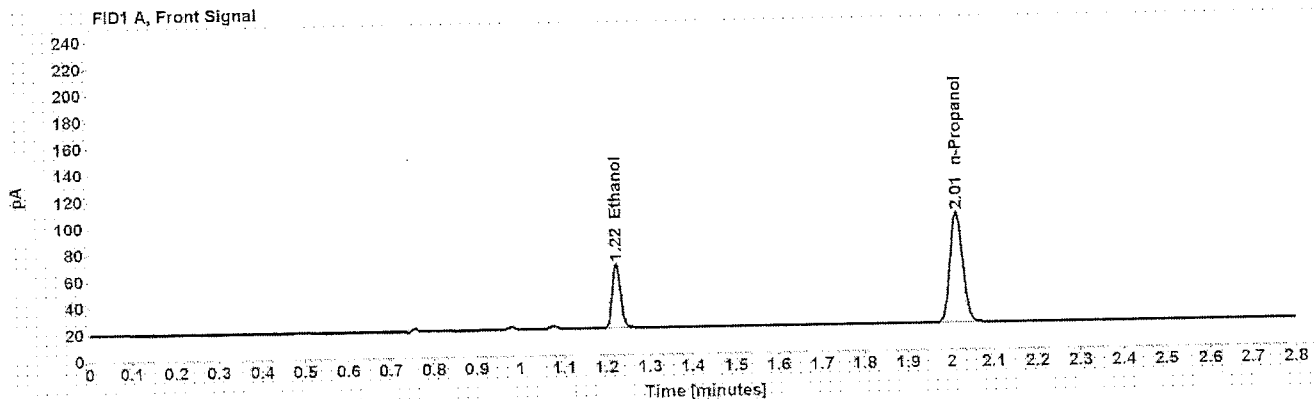


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1063	1.223	64.033
n-Propanol	-----	2.013	171.138

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

Compound	Time (min)	Peak Area
Ethanol	1.326	65.882
n-Propanol	2.344	176.515

Case: [REDACTED] User: alangan 8/26/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1108800  
Injection date: 8/25/2016 4:34:44 PM Vial: 44  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\1\Data\25Aug16\144.D

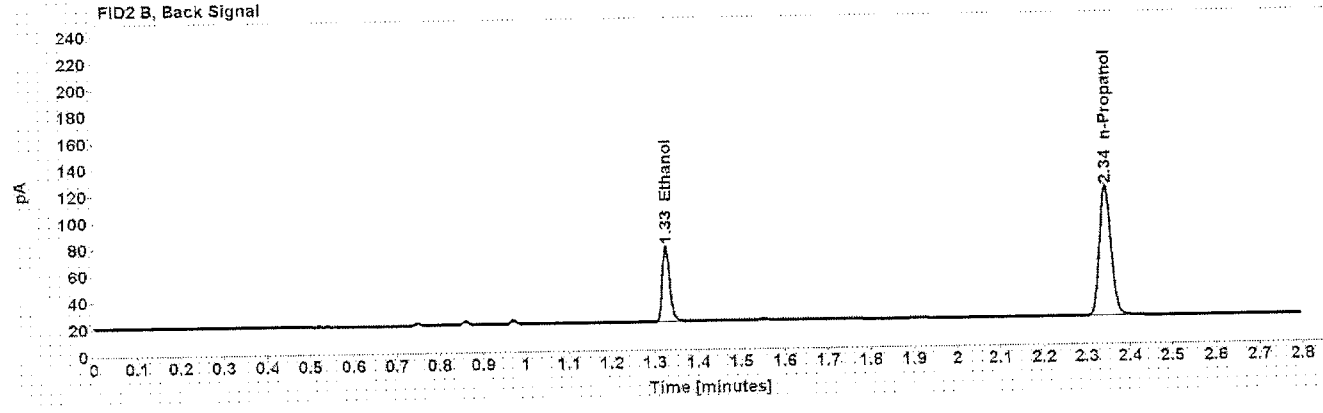
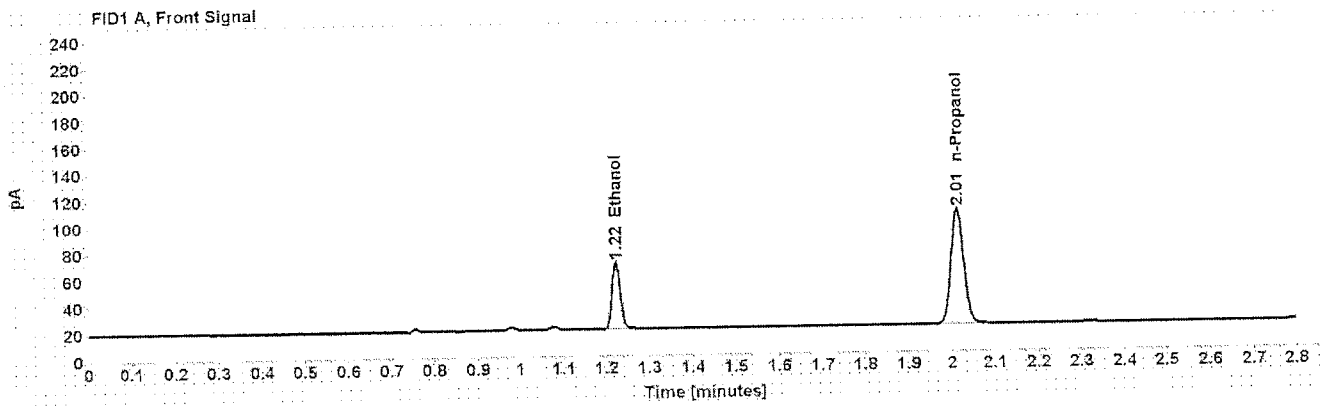


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1064	1.223	66.681
n-Propanol	-----	2.013	177.987

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

Compound	Time (min)	Peak Area
Ethanol	1.326	68.658
n-Propanol	2.344	183.680

Case: [REDACTED] User: alangan 8/26/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 321-01A
<b>Injection date:</b> 8/25/2016 4:38:43 PM	<b>Vial:</b> 45
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Aug16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan
<b>Data file:</b> C:\Chem321\Data\25Aug16\45.D	

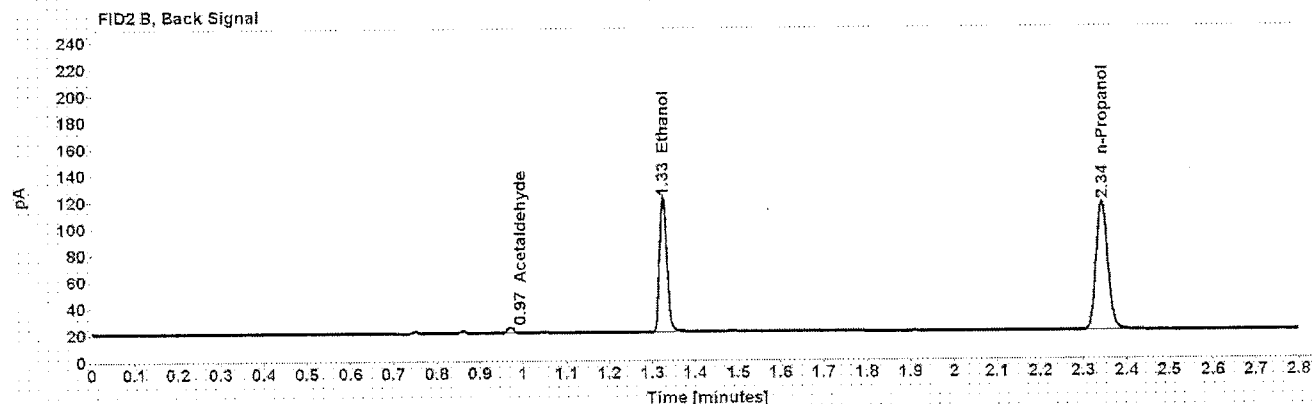
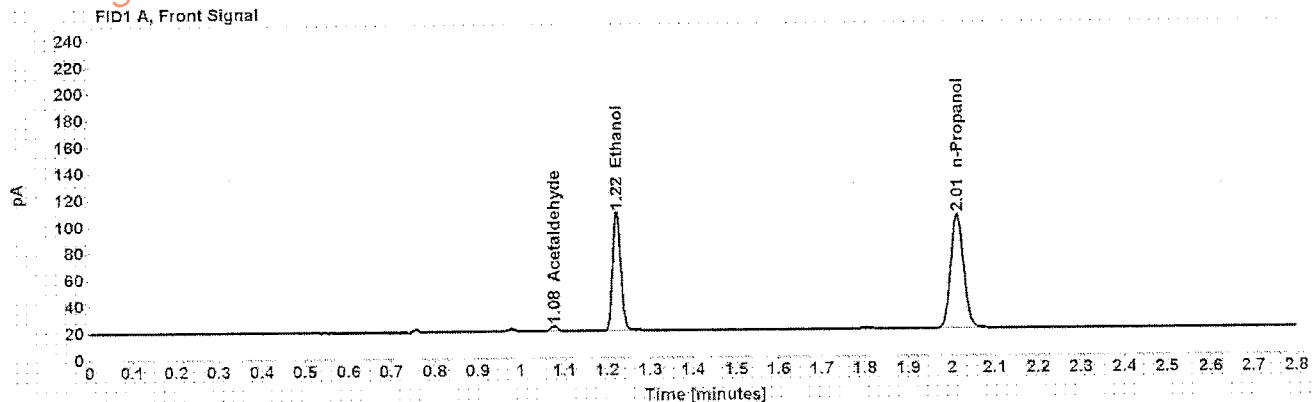


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.013
>Ethanol	0.1887	1.222	117.838
n-Propanol	-----	2.013	176.712

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.305
Ethanol	1.325	121.442
n-Propanol	2.343	181.961

Case: [REDACTED] User: alangan 8/26/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	321-01A
Injection date:	8/25/2016 4:42:44 PM	Vial:	46
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\25Aug16\46.D		

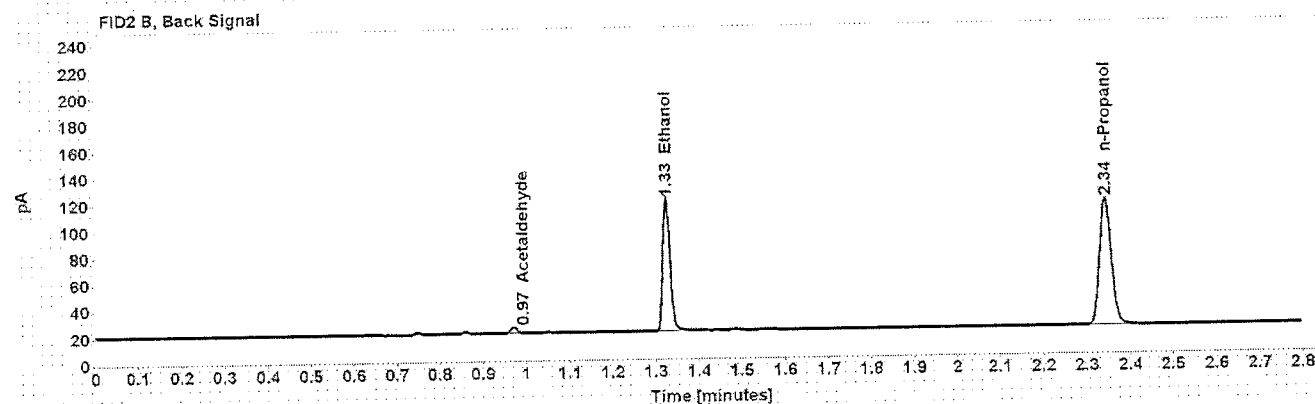
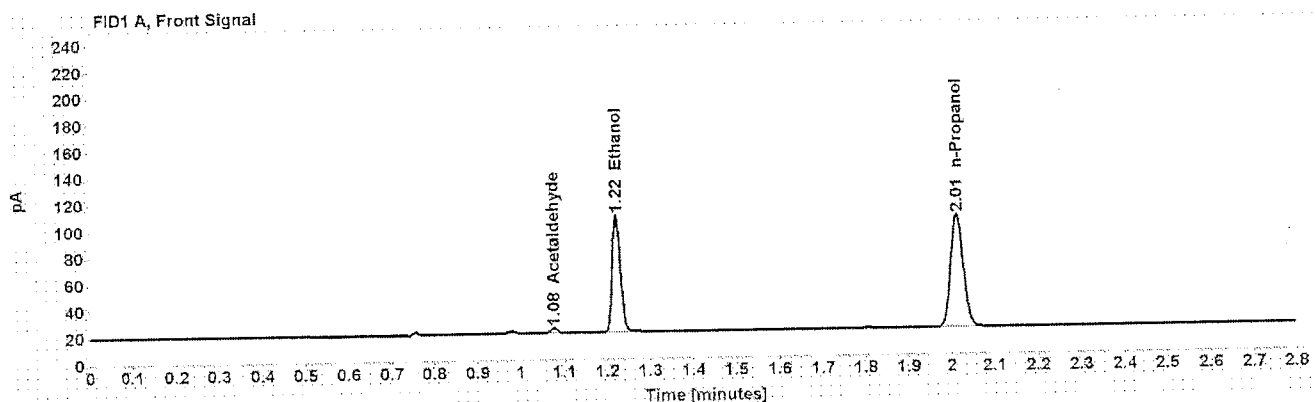


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.967
>Ethanol	0.1885	1.223	116.167
n-Propanol	-----	2.013	174.358

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.268
Ethanol	1.325	119.786
n-Propanol	2.344	179.500



Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1051668  
Injection date: 8/25/2016 4:46:44 PM Vial: 47  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\11\Data\25Aug16\47.D

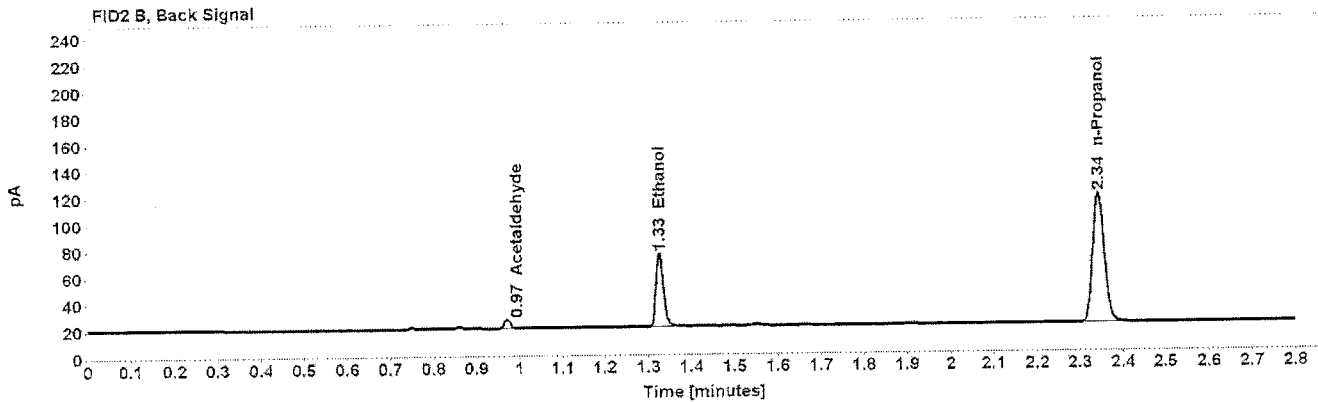
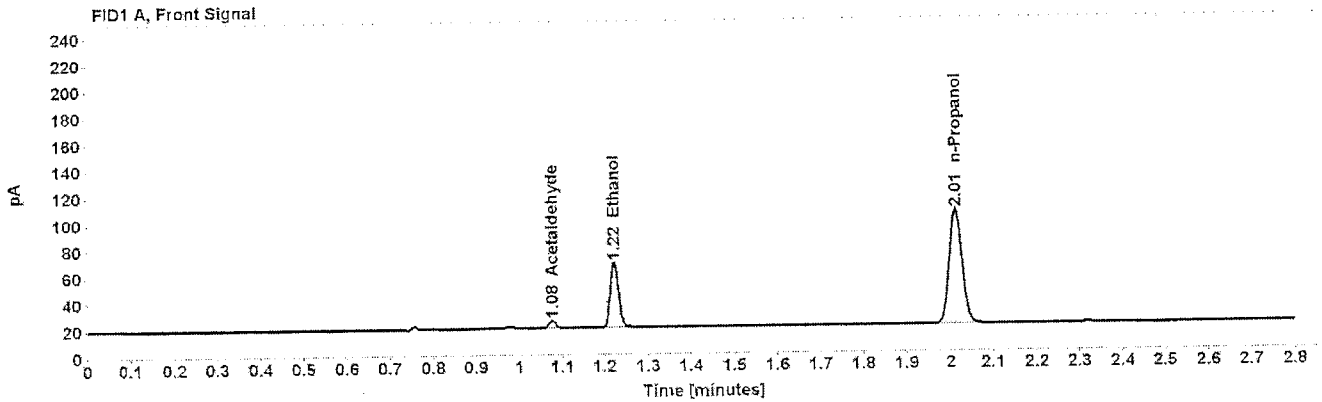


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	6.212
>Ethanol	0.1039	1.223	64.760
n-Propanol	-----	2.013	177.151

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	6.501
Ethanol	1.326	67.122
n-Propanol	2.344	183.037

Case: [REDACTED] User: alangan 8/26/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1051668
Injection date: 8/25/2016 4:50:43 PM	Vial: 48
Method: ethanol quant.M	Sequence: 25Aug16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\25Aug16\48.D	

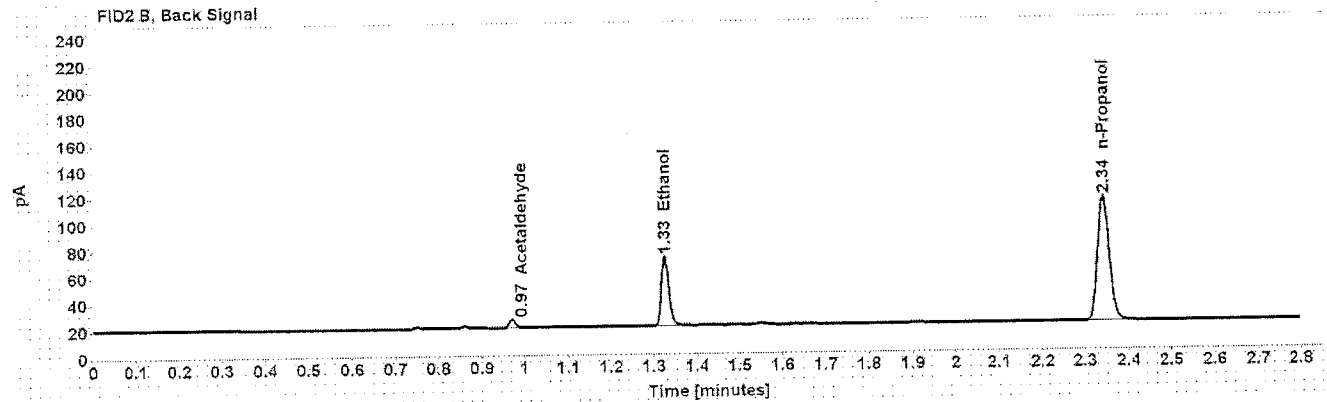
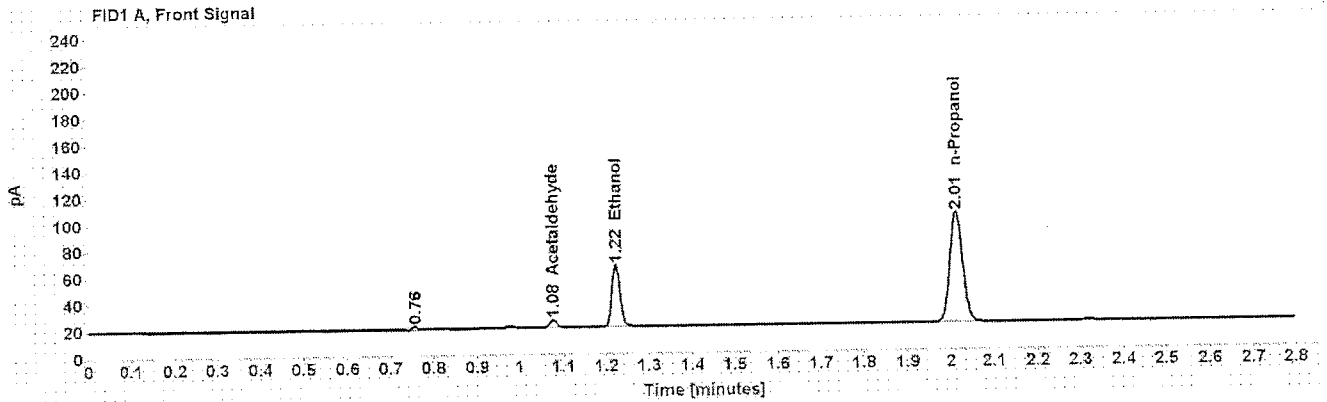


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	6.025
>Ethanol	0.1023	1.223	61.439
n-Propanol	-----	2.013	170.769

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	6.414
Ethanol	1.326	63.640
n-Propanol	2.343	176.416

Case: [REDACTED] User: alangan 8/26/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1109378  
Injection date: 8/25/2016 4:54:58 PM Vial: 49  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\25Aug16\49.D

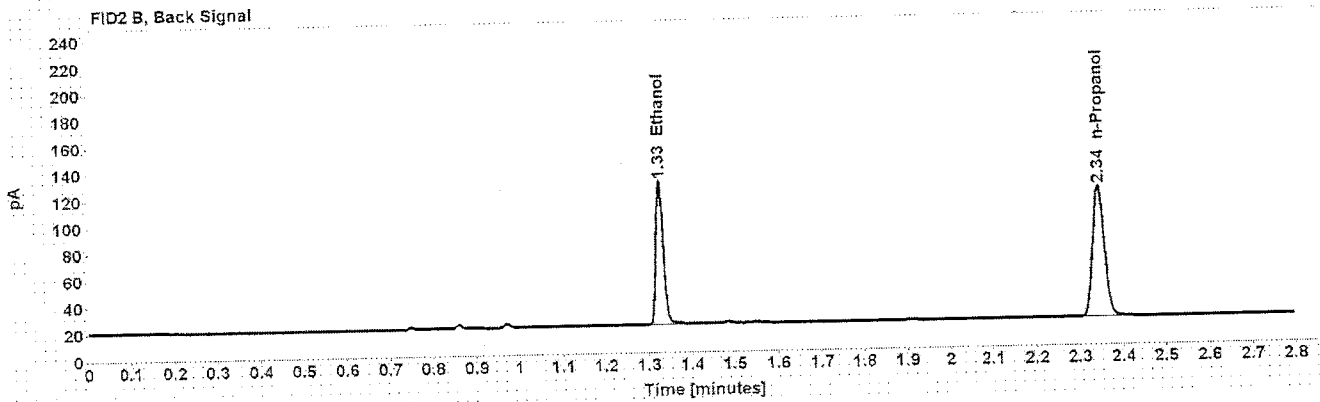
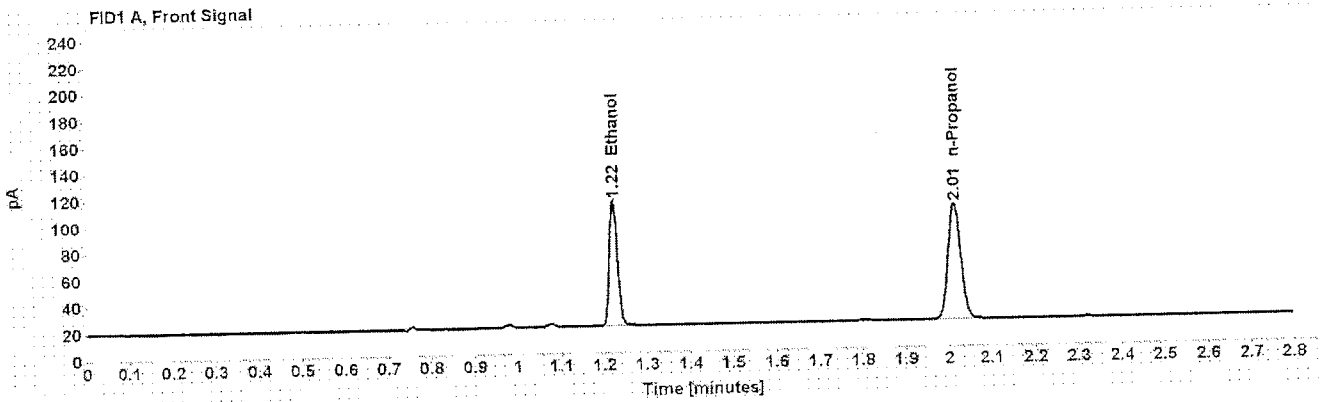


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1971	1.223	125.098
n-Propanol	-----	2.013	179.539

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

Compound	Time (min)	Peak Area
Ethanol	1.326	130.482
n-Propanol	2.344	185.157

Case: [REDACTED] User: alangan 8/26/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1109378  
Injection date: 8/25/2016 4:58:59 PM Vial: 50  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\25Aug16\50.D

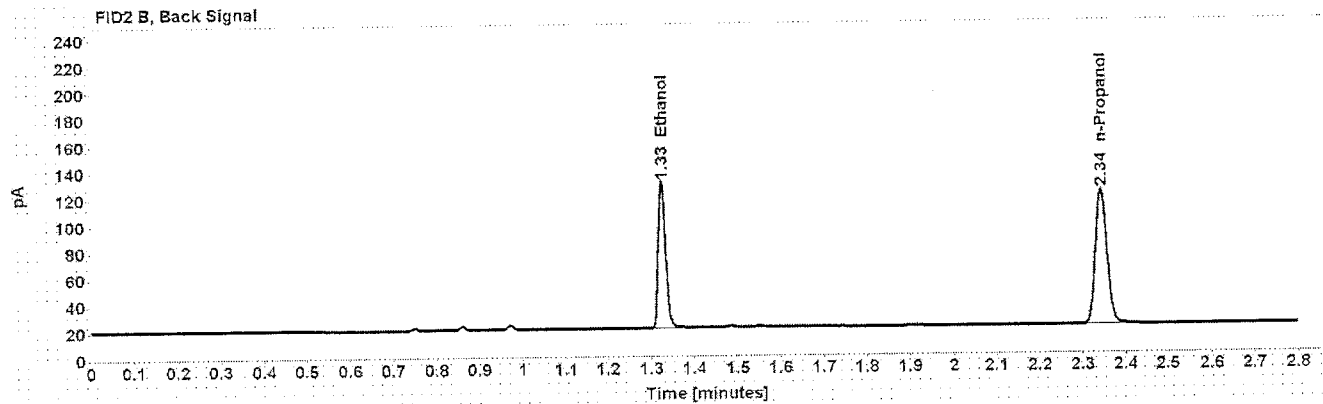
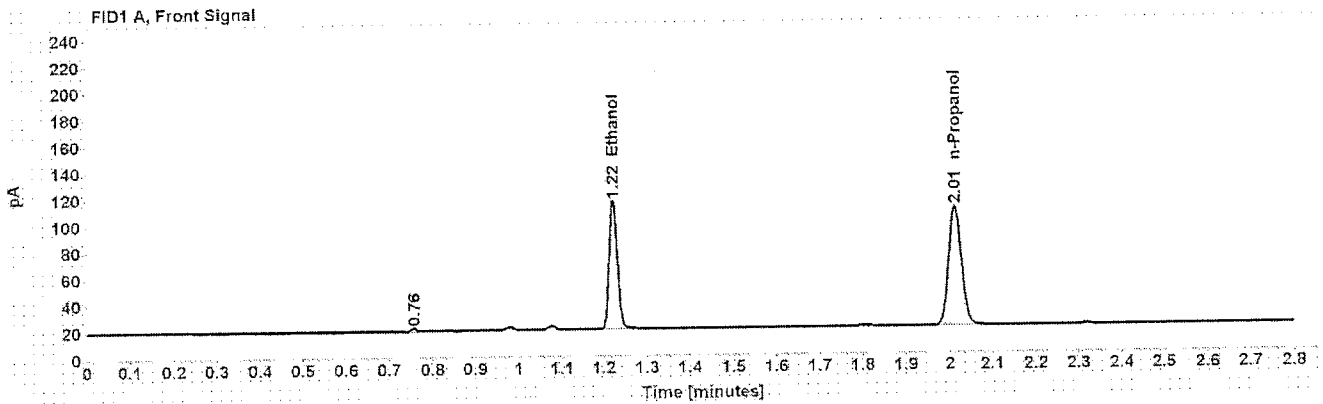


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1962	1.223	127.859
n-Propanol	-----	2.013	184.357

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

Compound	Time (min)	Peak Area
Ethanol	1.325	132.802
n-Propanol	2.344	190.207

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1103766
Injection date:	8/25/2016 5:02:59 PM	Vial:	51
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 ON14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\25Aug16\51.D		

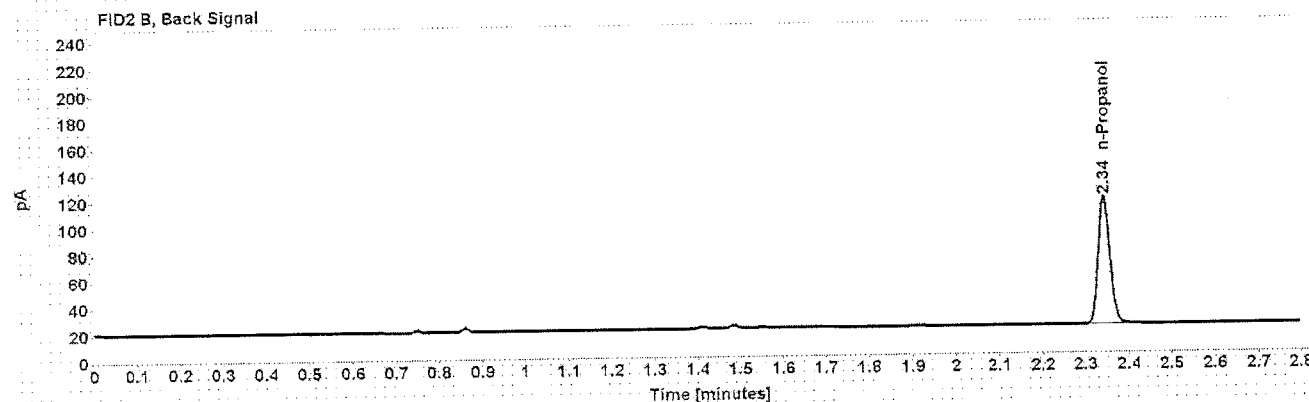
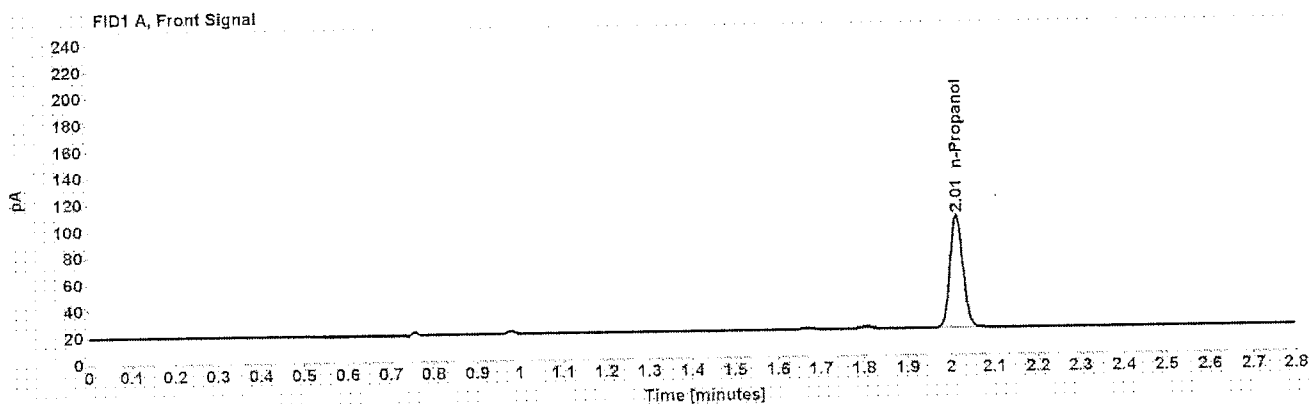


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	174.542

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	180.229

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1103766
Injection date:	8/25/2016 5:06:58 PM	Vial:	52
Method:	ethanol quant.M	Sequence:	25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\25Aug16\52.D		

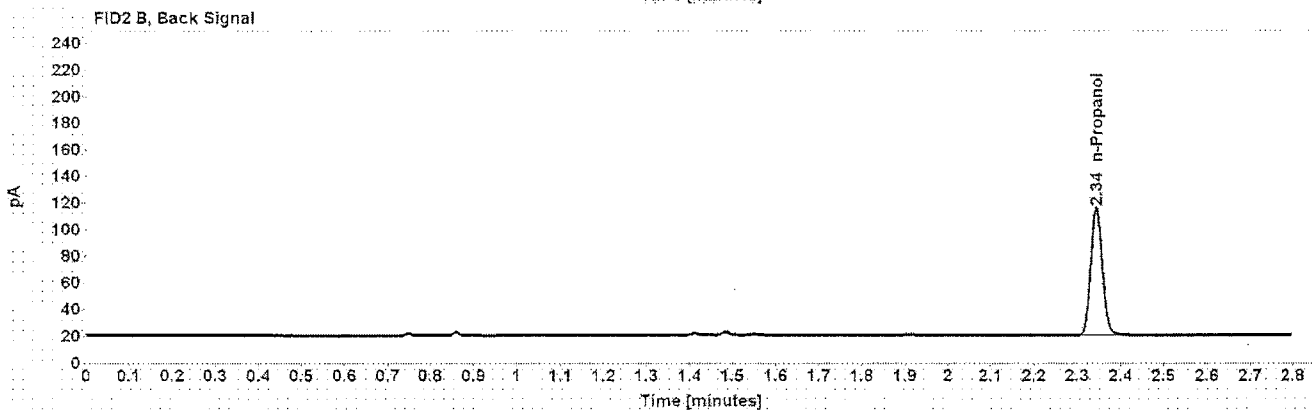
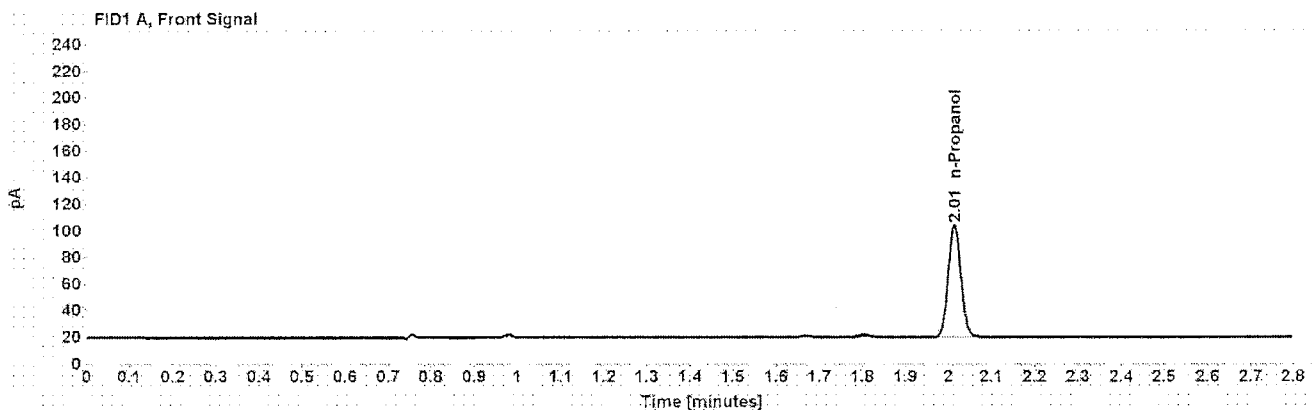


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	174.127

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	179.932

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1098685  
Injection date: 8/25/2016 5:14:59 PM Via: 54  
Method: ethanol quant.M Sequence: 25Aug16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\25Aug16\54.D

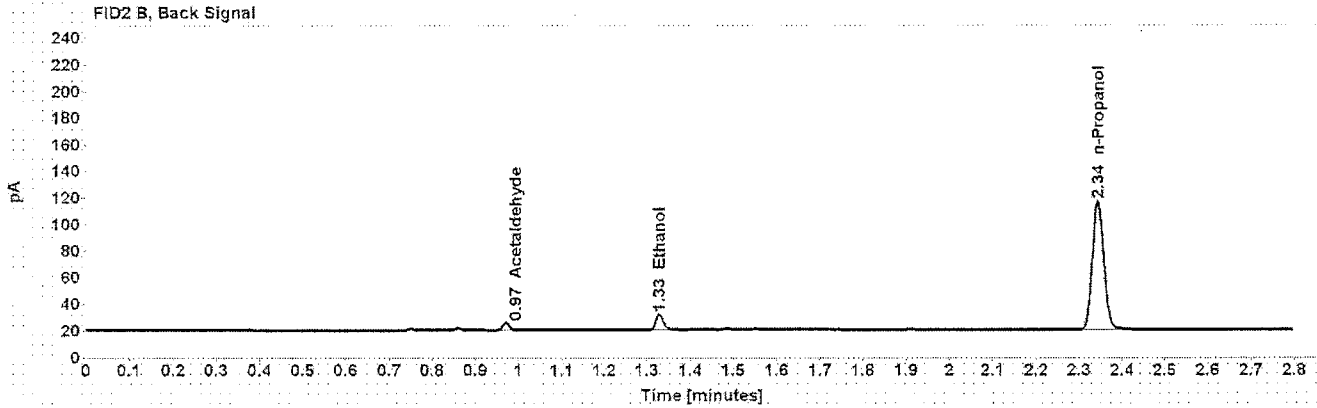
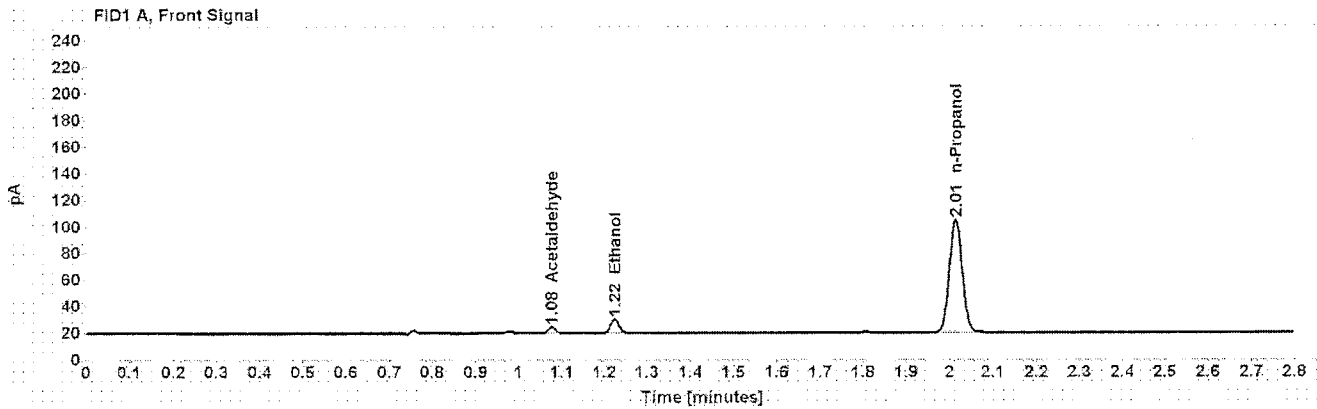


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.250
>Ethanol	0.0235	1.224	14.097
n-Propanol	-----	2.013	176.064

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.558
Ethanol	1.328	14.780
n-Propanol	2.344	181.502

Case: [REDACTED] User: alangan 8/26/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1098685
Injection date:	8/25/2016 5:19:14 PM	Vial:	55
Method:	ethanol quant.M	Sequence:	.25Aug16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\25Aug16\55.D		

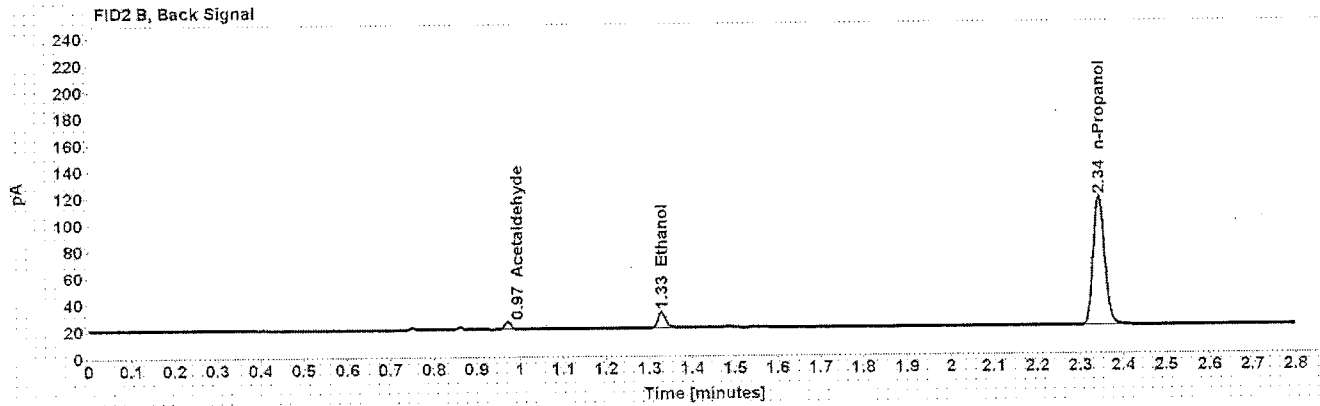
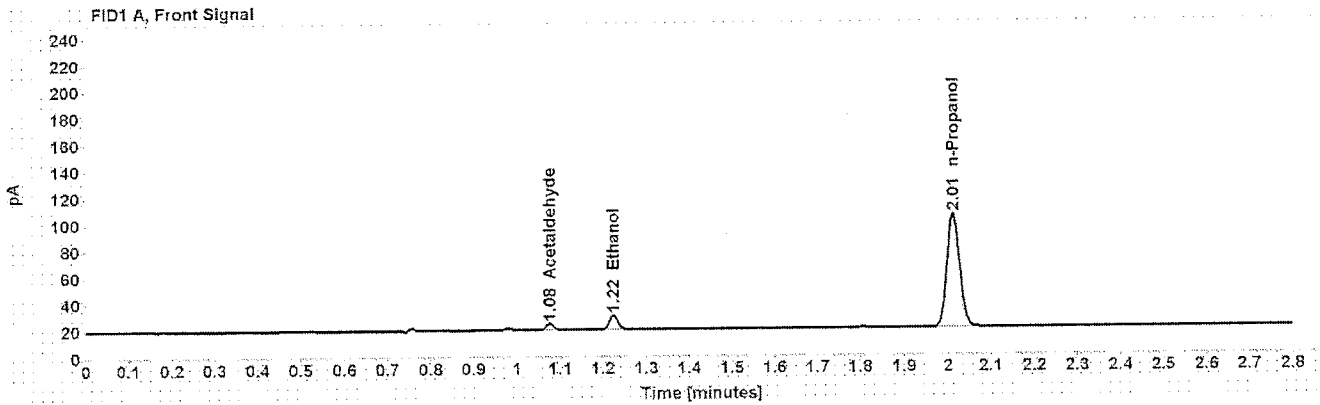


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.252
>Ethanol	0.0235	1.224	14.082
n-Propanol	-----	2.013	175.713

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.555
Ethanol	1.328	15.082
n-Propanol	2.344	181.307