

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 12/30/2016 SEQUENCE NAME 30Dec16

### EQUIPMENT

Pipette  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 1.00000  
 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 090816
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 053116WLA
7	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 05012012-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.200 g/dL	0.199 g/dL	ACQ 402101060/6
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.149 g/dL	Lipomed 11012012-C
42	Blood control	0.200 g/dL	0.203 g/dL	ACQ 402101060/6
49	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 05012012-C
50	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
51	Blood control	0.200 g/dL	0.205 g/dL	ACQ 402101060/6
52	Blank	Not detected	Not detected	SPD lab 090816

### SUBJECT SAMPLES

Subjects in the sequence 18 Subjects requiring reanalysis 0

**ADDITIONAL NOTES:** All testing proceeded as expected. The volatile mixture sample name was crossed out, initialed, and re-written on corresponding documents.

Run valid  Run invalid  WA B1570 Analyst  
 Run valid  Run invalid  A. Langan 1-4-17 Technical Reviewer

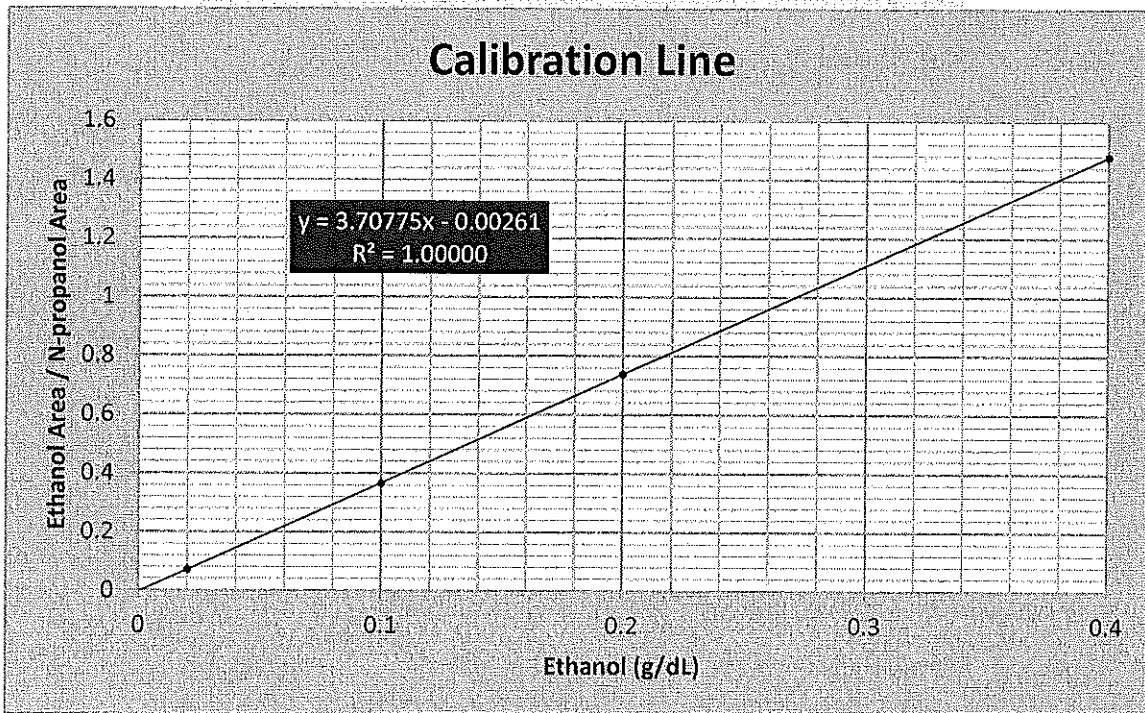
WA

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

SEQUENCE NAME: 30Dec16

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	0.039	2.50	-0.001
4	9	0.200	0.199	0.50	-0.001
5	10	0.080	0.079	1.25	-0.001
6	31	0.150	0.149	0.67	-0.001
7	42	0.200	0.203	1.50	0.003
8	49	0.400	0.402	0.50	0.002
9	50	0.040	0.040	0.00	0.000
10	51	0.200	0.205	2.50	0.005
11	52	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	10.765	148.717	0.072
0.100	54.344	147.954	0.367
0.200	109.383	148.092	0.739
0.400	217.486	146.869	1.481



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.020 Cerilliant FN08101401	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 4:38:41 PM	<b>Vial:</b> 1
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian <span style="float: right;">WA</span>
<b>Data file:</b> C:\Chem32\1\Data\30Dec16\1.D	

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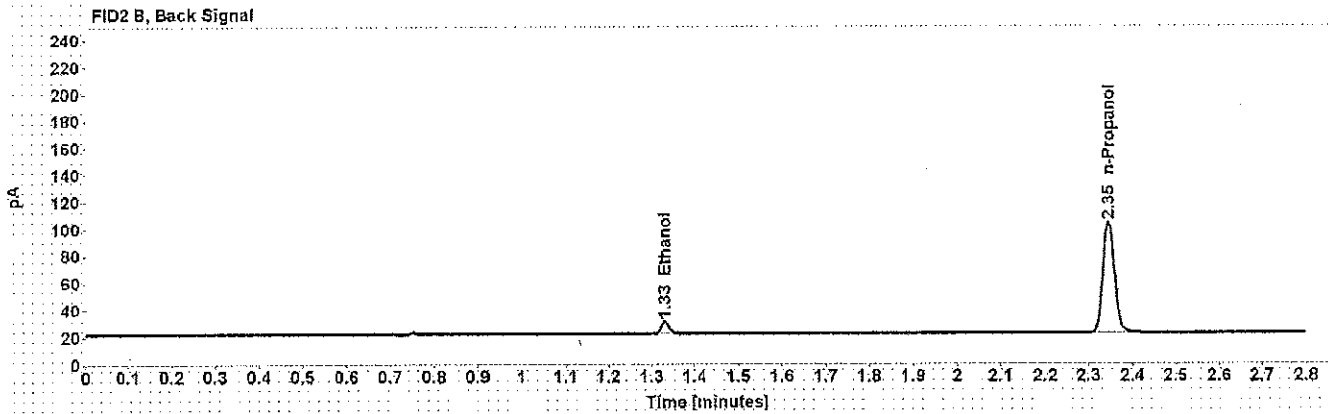
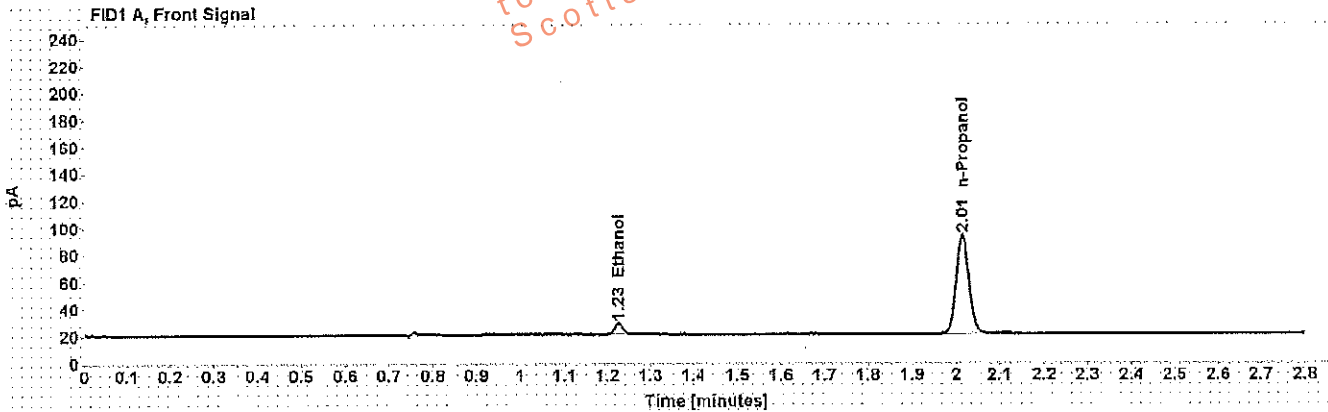


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	10.765
n-Propanol	2.015	148.717

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

Compound	Time (min)	Peak Area
Ethanol	1.330	10.860
n-Propanol	2.346	152.183

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.100 Cerilliant FN06181501	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 4:42:41 PM	<b>Vial:</b> 2
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian <span style="float: right;">NA</span>
<b>Data file:</b> C:\Chem3211\Data\30Dec16\2.D	

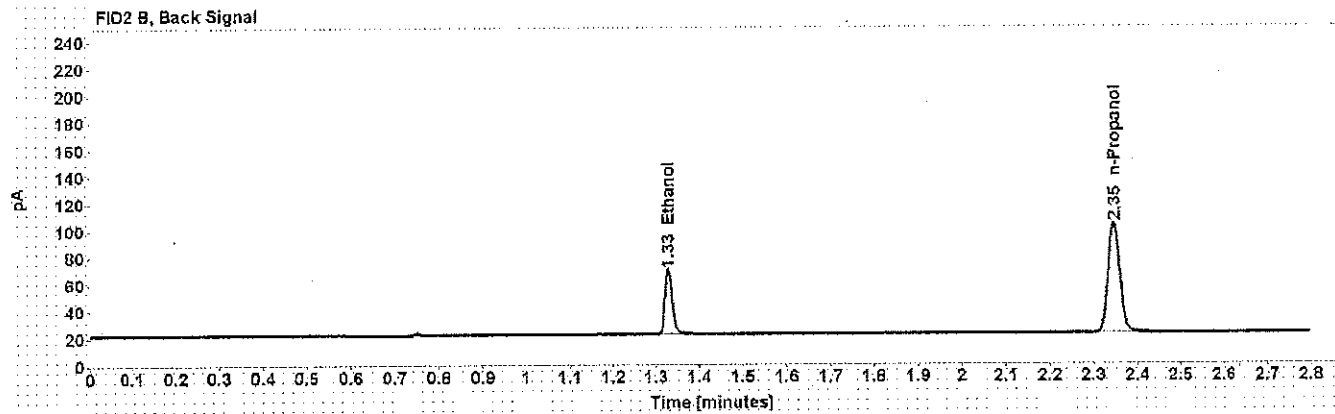
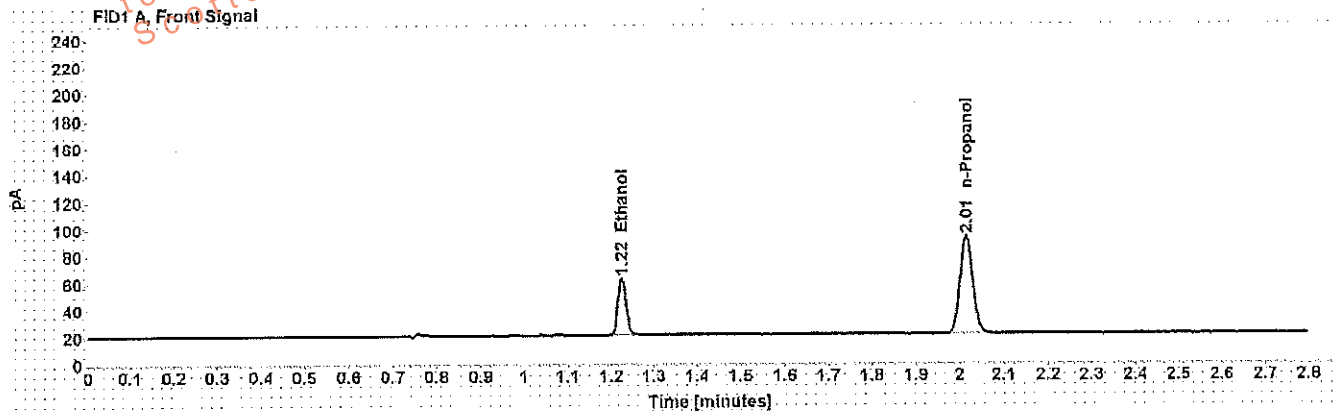


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	54.344
n-Propanol	2.015	147.954

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

Compound	Time (min)	Peak Area
Ethanol	1.328	55.451
n-Propanol	2.346	151.413

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 12/30/2016 4:46:41 PM	Vial: 3
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian <i>WA</i>
Data file: C:\Chem32\11\Data\30Dec16\3.D	

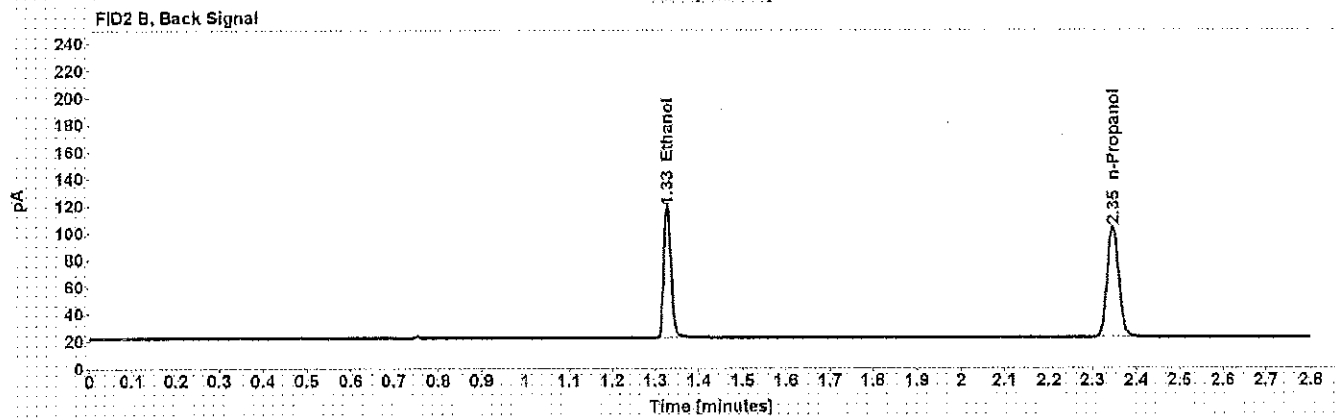
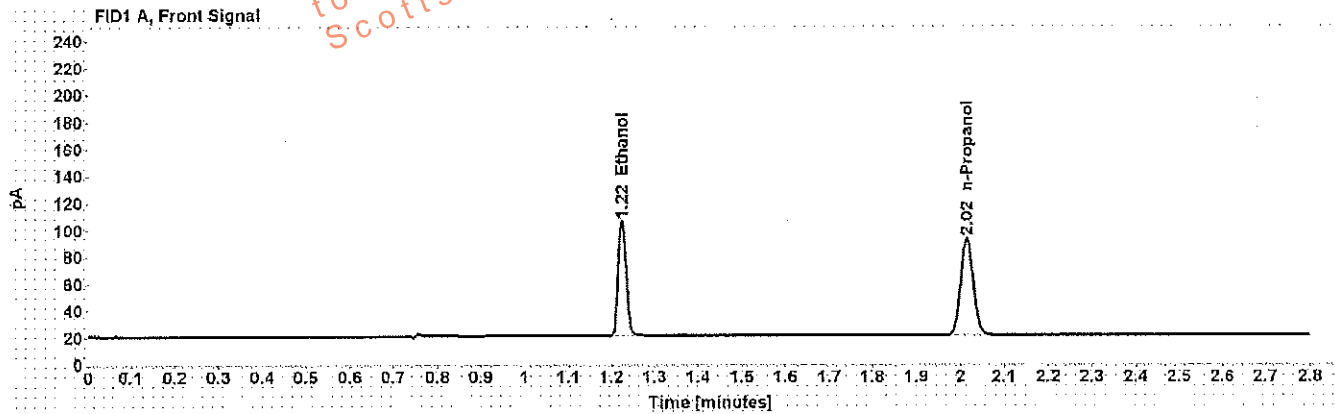


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	109.383
n-Propanol	2.015	148.092

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

Compound	Time (min)	Peak Area
Ethanol	1.328	112.330
n-Propanol	2.346	151.582



# Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 12/30/2016 4:50:41 PM	Vial: 4
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian <span style="float: right;">WA</span>
Data file: C:\Chem32\1\Data\30Dec16\4.D	

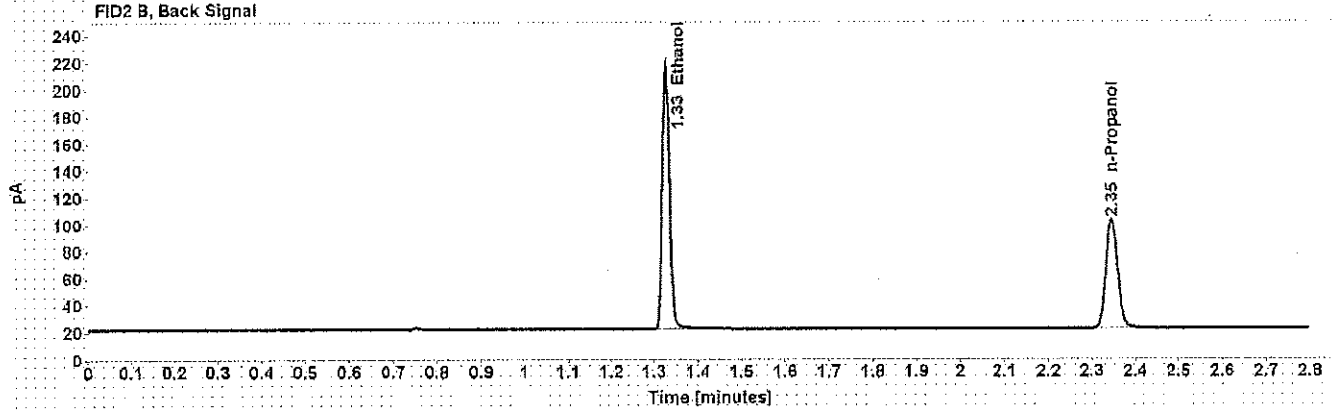
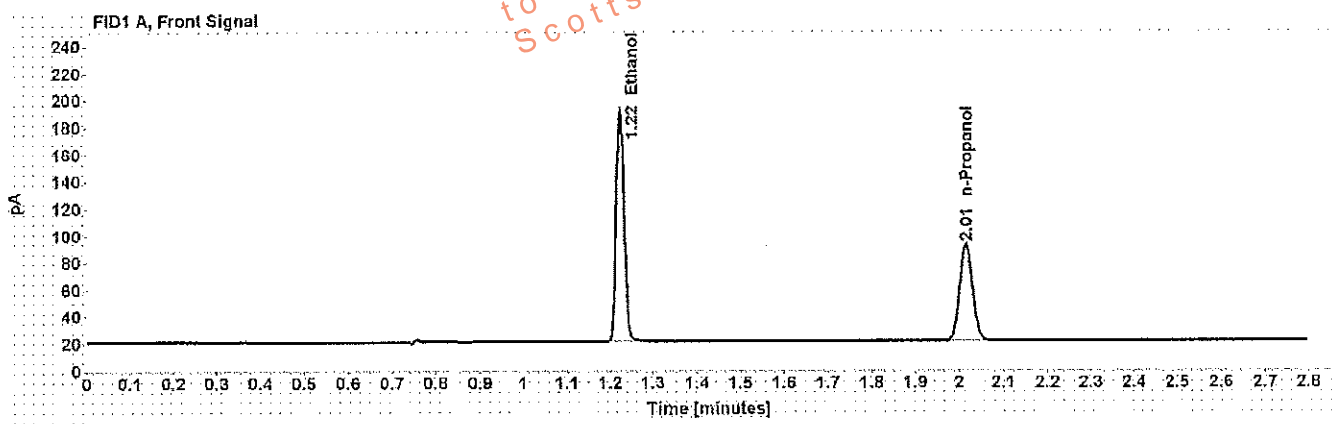


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	217.486
n-Propanol	2.014	146.869

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

Compound	Time (min)	Peak Area
Ethanol	1.327	224.485
n-Propanol	2.345	150.553

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 090816	Item number:
Injection date: 12/30/2016 4:54:41 PM	Vial: 5
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian <i>WA</i>
Data file: C:\Chem3211\Data\30Dec16\5.D	

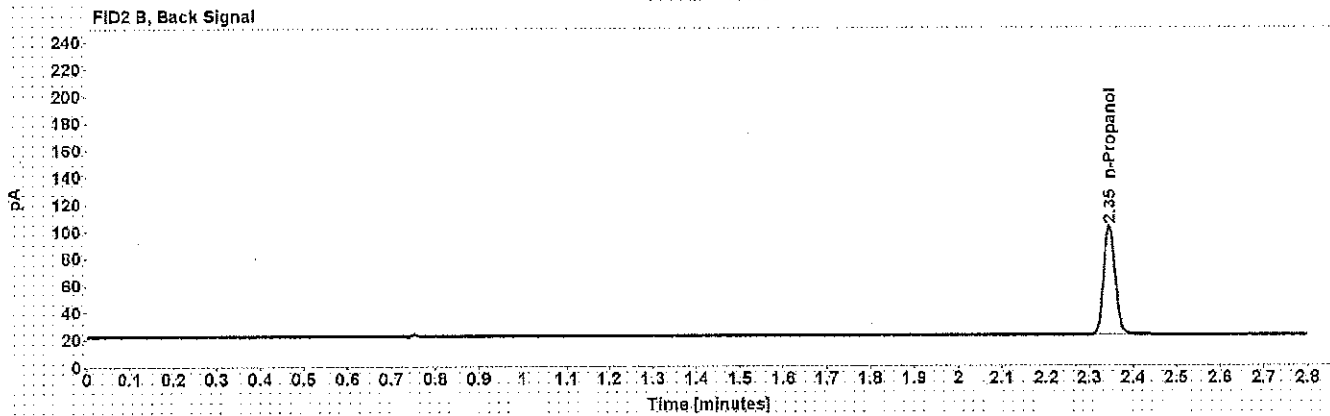
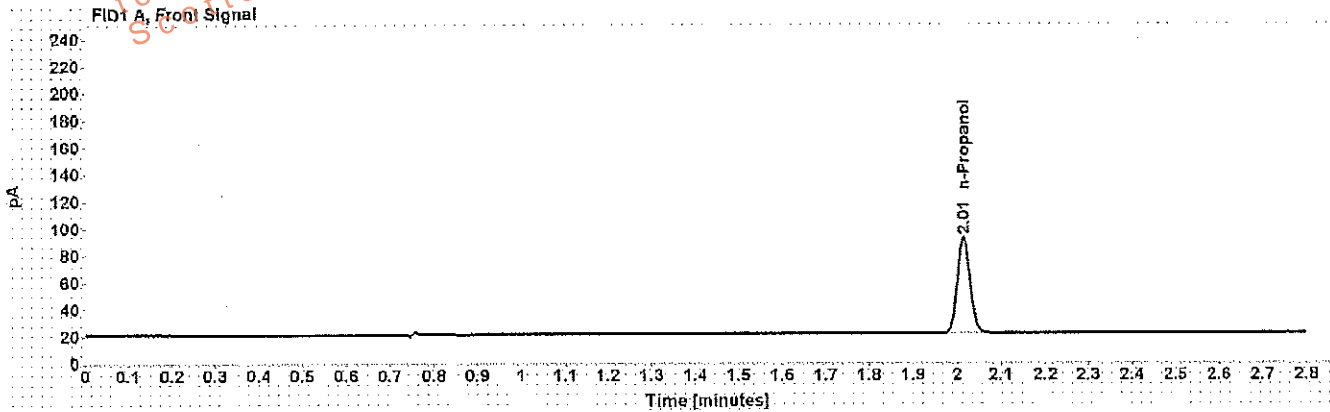


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	146.027

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	149.565

# Scottsdale Police Department Crime Lab Volatiles Analysis

**WA**

**Sample:** volatiles mix-000946-ALC1 **053116 WLA** **Item number:**  
**Injection date:** 12/30/2016 4:58:41 PM **Vial:** 6  
**Method:** ethanol quant.M **Sequence:** 30Dec16  
**Instrument:** US14173023-CN14160045 **Analyst:** Adrian **WA**  
**Data file:** C:\Chem32\11Data\30Dec16\6.D

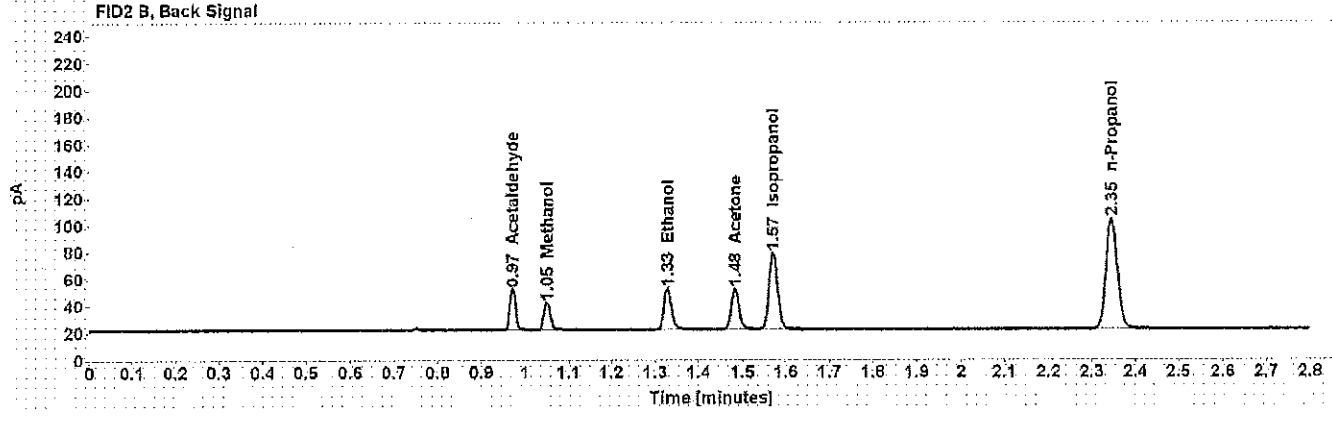
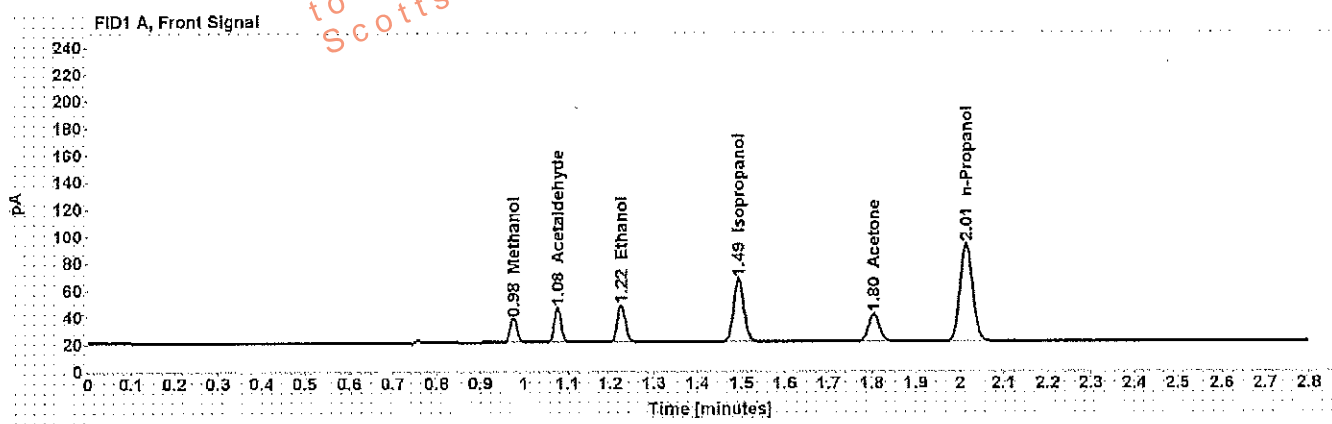


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.976	20.238
Acetaldehyde	-----	1.078	27.997
>Ethanol	0.0646	1.225	35.094
Isopropanol	-----	1.494	77.278
Acetone	-----	1.804	37.100
n-Propanol	-----	2.014	148.091

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	29.542
Methanol	1.051	20.802
Ethanol	1.328	35.576
Acetone	1.483	37.836
Isopropanol	1.570	79.815
n-Propanol	2.345	151.619



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Lipomed 05012012-C	Item number:
Injection date: 12/30/2016 5:02:56 PM	Vial: 7
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian <span style="float: right;">WA</span>
Data file: C:\Chem32\1\Data\30Dec16\7.D	

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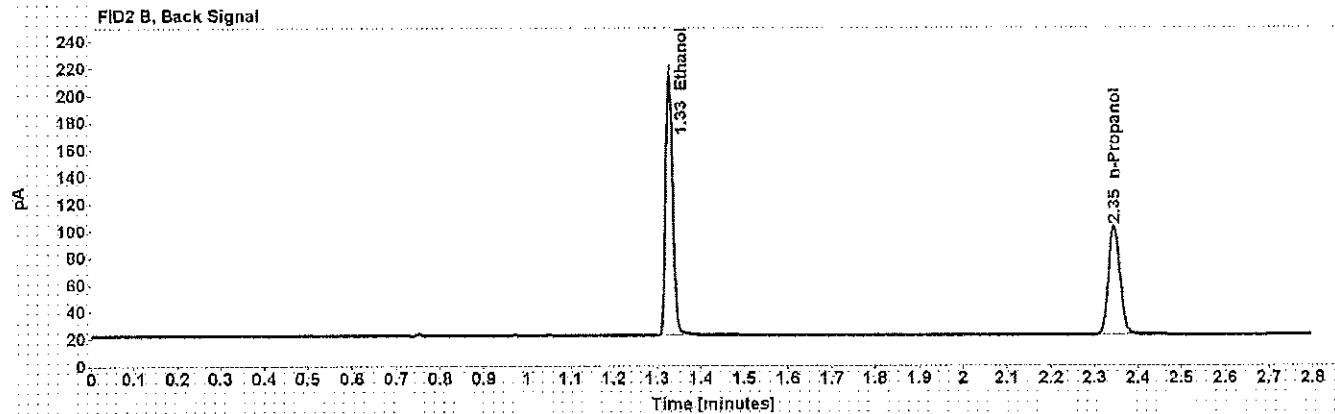
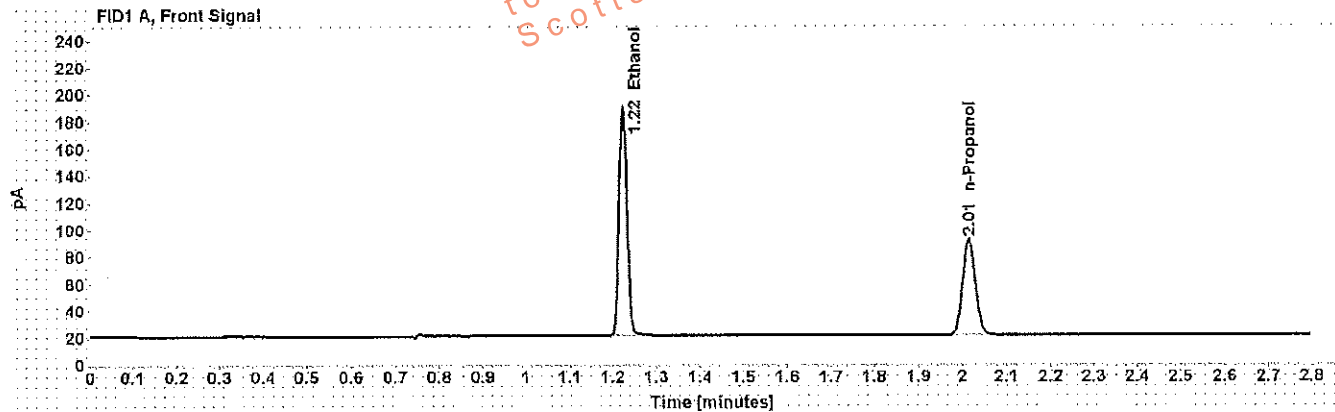


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3986	1.224	215.156
n-Propanol	-----	2.015	145.834

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

Compound	Time (min)	Peak Area
Ethanol	1.327	221.820
n-Propanol	2.345	149.315

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 09022015-A	Item number:
Injection date: 12/30/2016 5:06:56 PM	Vial: 8
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian WA
Data file: C:\Chem32\1\Data\30Dec16\8.D	

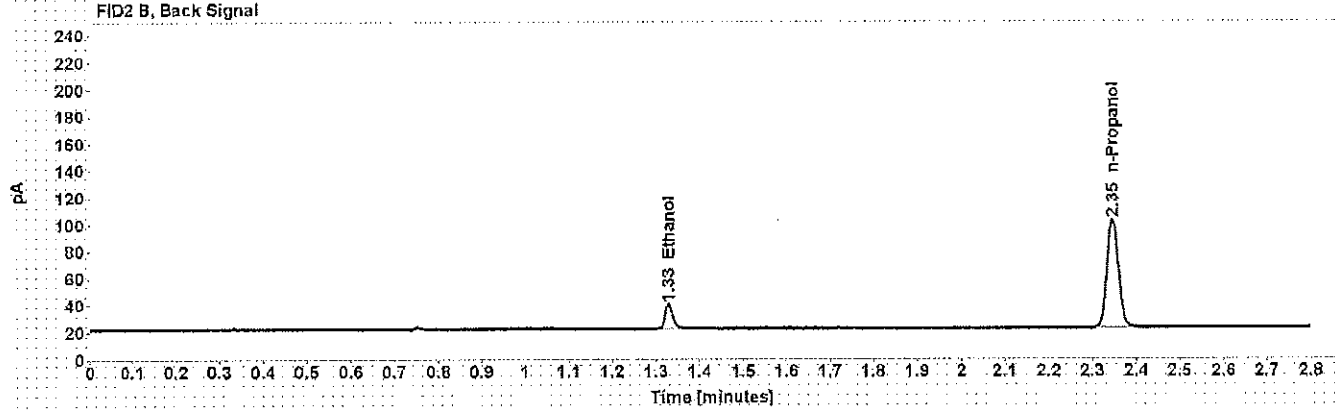
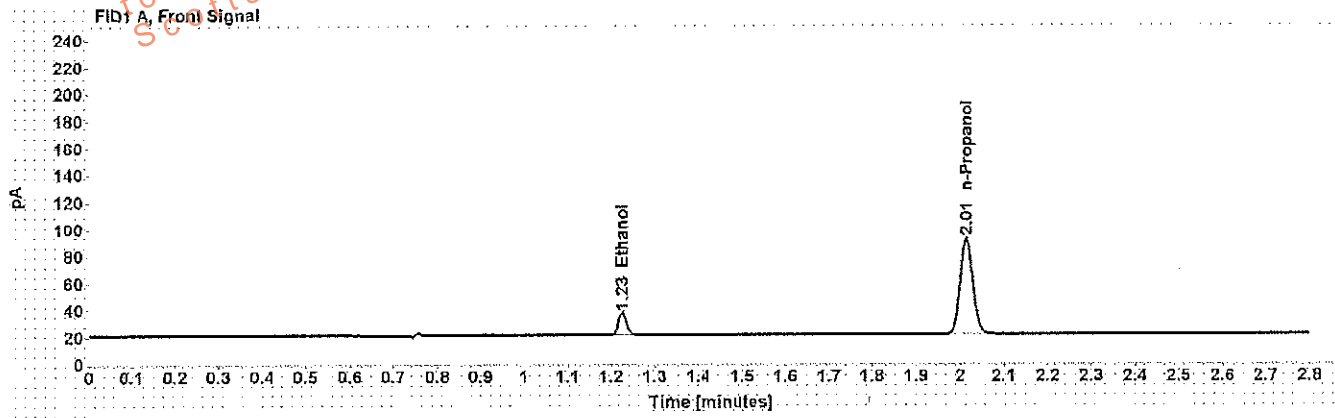


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0397	1.225	21.062
n-Propanol	-----	2.015	145.791

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

Compound	Time (min)	Peak Area
Ethanol	1.329	21.318
n-Propanol	2.346	149.355

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.200 ACQ 402101060/6	Item number:
Injection date: 12/30/2016 5:10:57 PM	Vial: 9
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian WA
Data file: C:\Chem3211\Data\30Dec16\9.D	

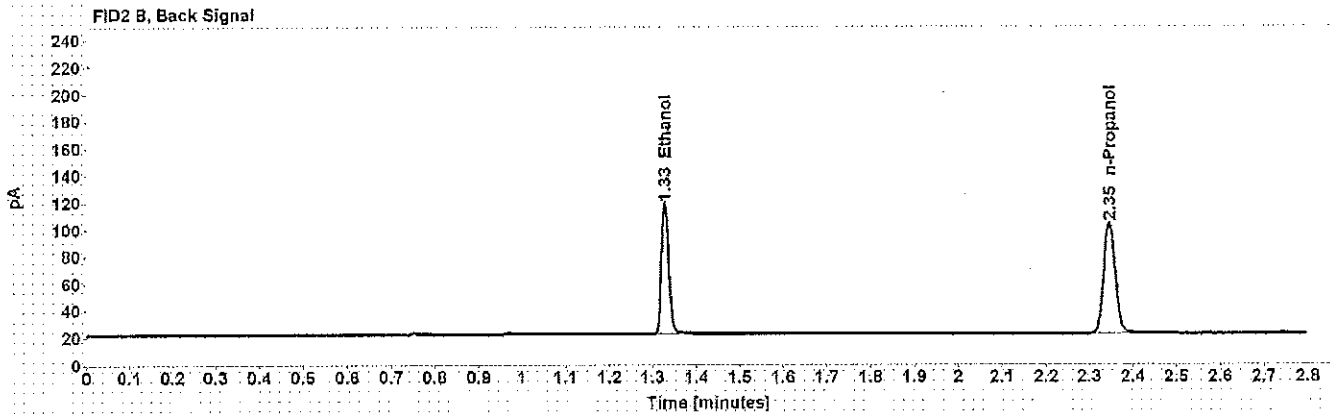
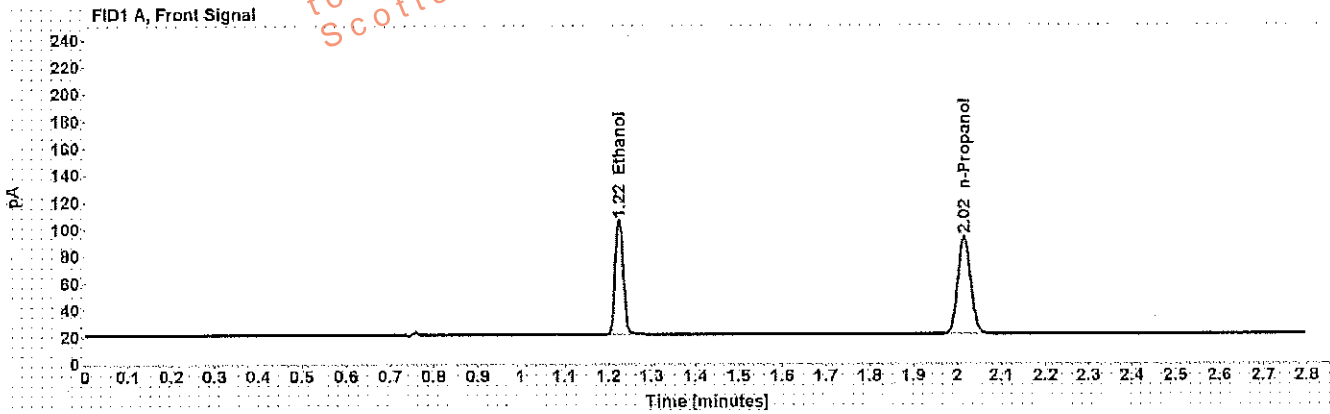


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1992	1.224	109.148
n-Propanol	-----	2.015	148.301

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

Compound	Time (min)	Peak Area
Ethanol	1.328	112.067
n-Propanol	2.346	152.225

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 12/30/2016 5:55:26 PM	Vial: 20
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian <i>WA</i>
Data file: C:\Chem32\1\Data\30Dec16\20.D	

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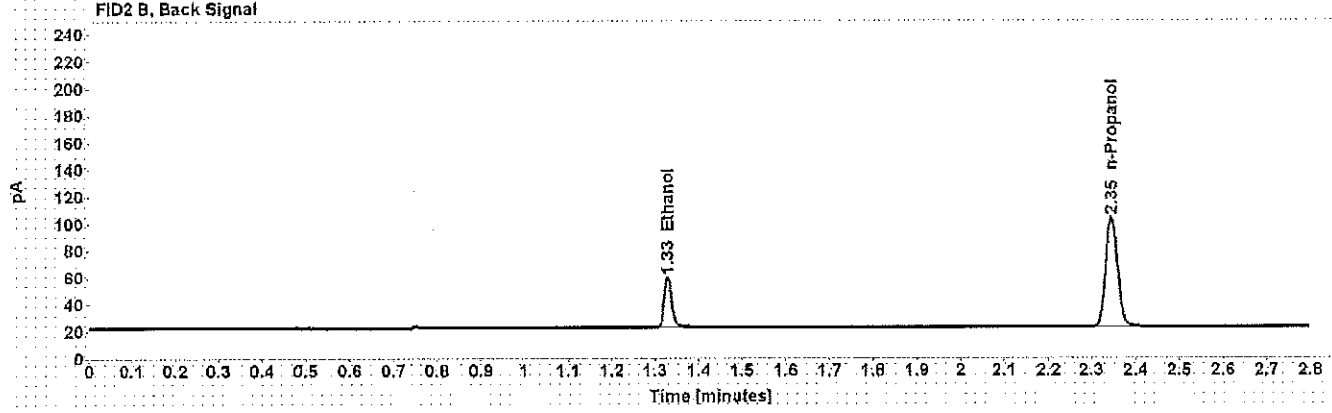
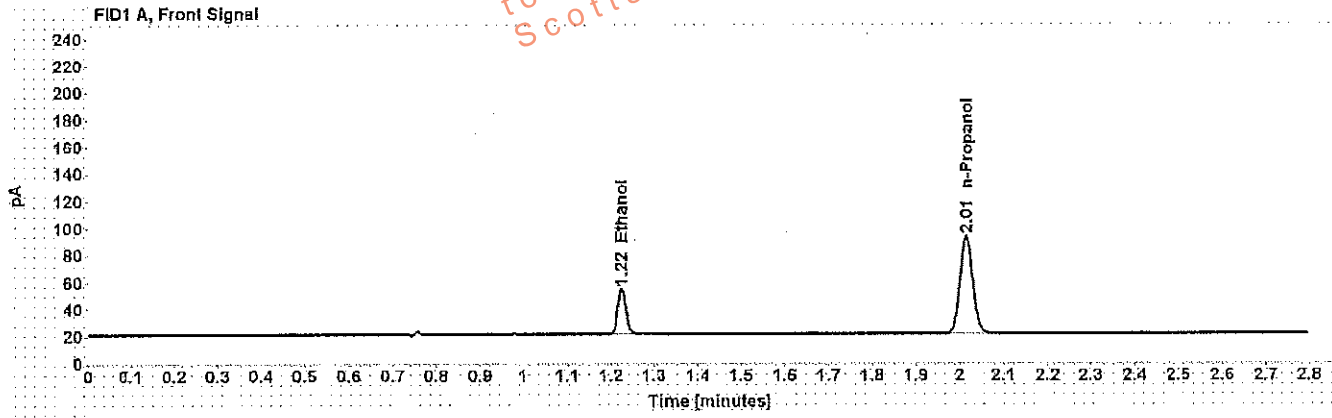


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0796	1.225	43.097
n-Propanol	-----	2.015	147.422

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

Compound	Time (min)	Peak Area
Ethanol	1.328	44.103
n-Propanol	2.345	151.495

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.150 Lipomed 11012012-C	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 6:39:56 PM	<b>Vial:</b> 31
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian <i>WA</i>
<b>Data file:</b> C:\Chem32\11\Data\30Dec16\31.D	

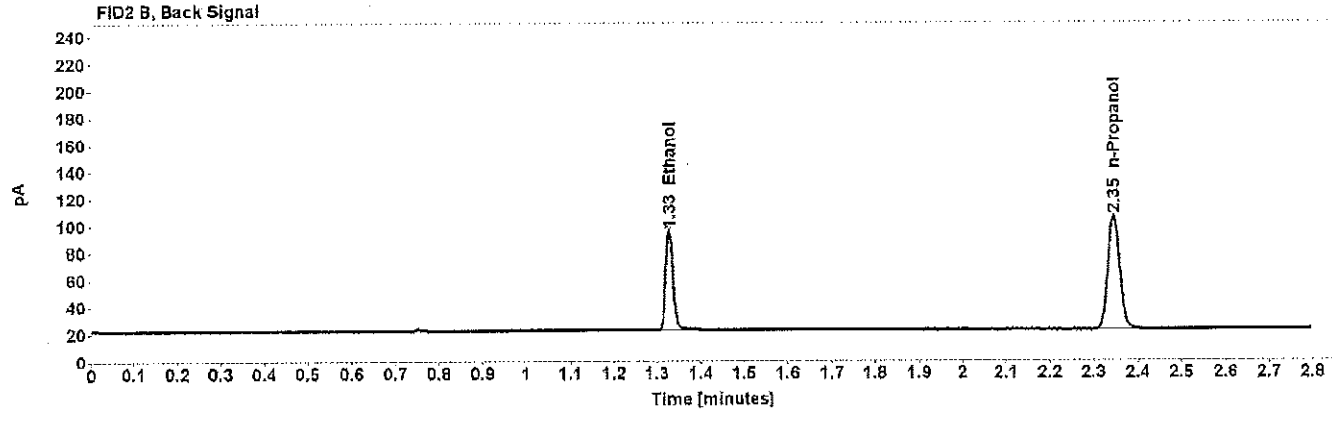
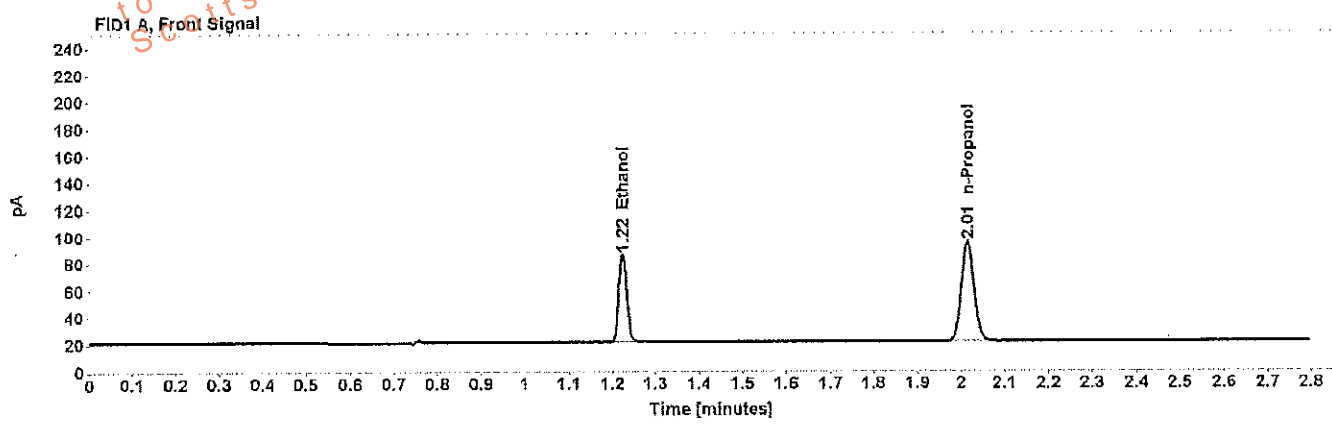


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1499	1.224	83.734
n-Propanol	-----	2.014	151.400

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

Compound	Time (min)	Peak Area
Ethanol	1.328	86.069
n-Propanol	2.345	155.597

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.200 ACQ 402101060/6	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 7:24:11 PM	<b>Vial:</b> 42
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023-CN14160045	<b>Analyst:</b> Adrian <span style="float: right;">WA</span>
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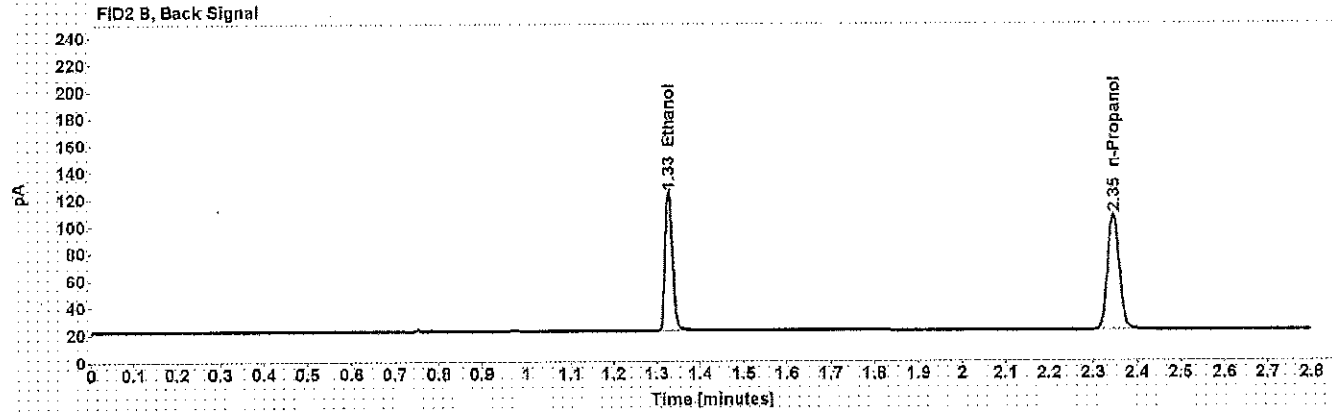
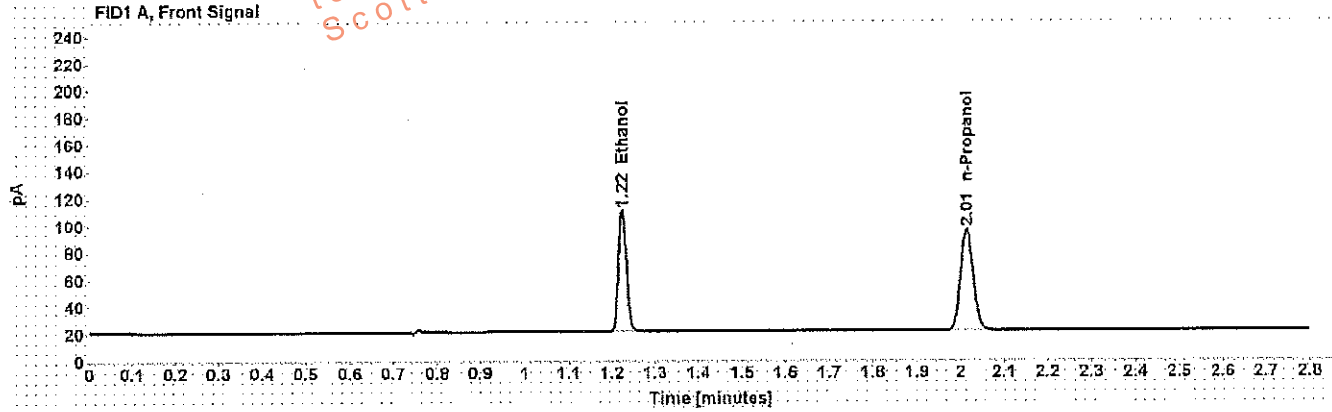


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.224	115.440
n-Propanol	-----	2.015	153.854

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

Compound	Time (min)	Peak Area
Ethanol	1.328	118.954
n-Propanol	2.346	158.417



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.40 Lipomed 05012012-C	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 7:52:41 PM	<b>Vial:</b> 49
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
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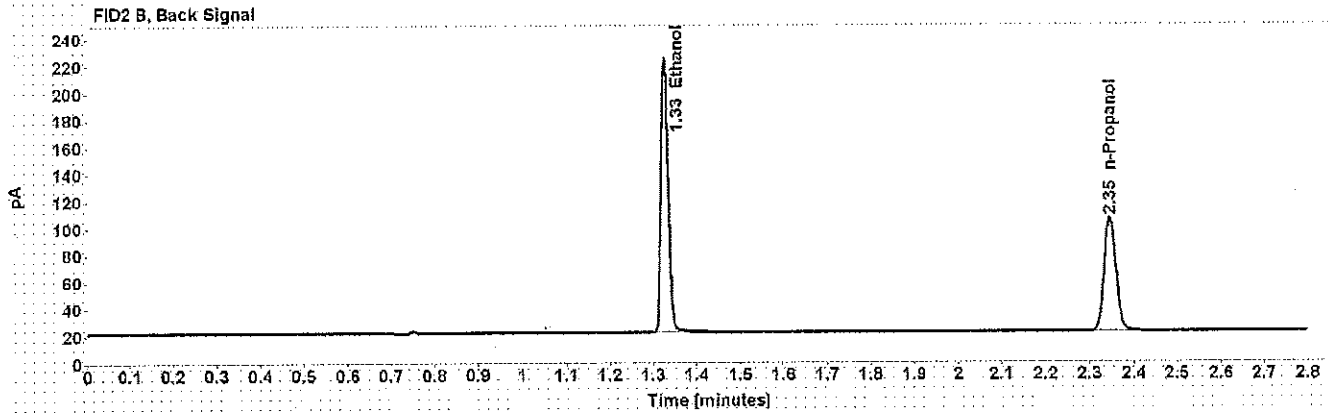
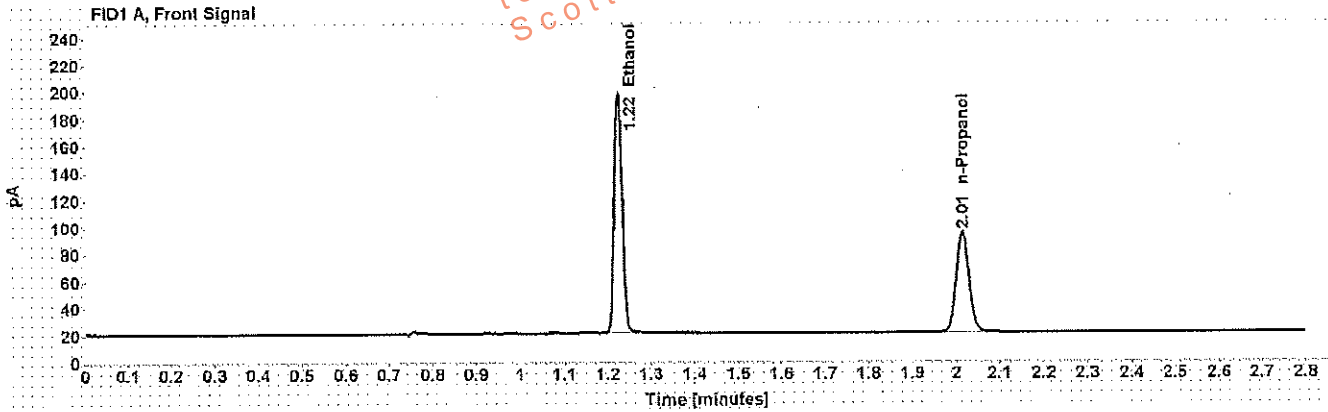


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4028	1.224	226.280
n-Propanol	-----	2.015	151.774

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

Compound	Time (min)	Peak Area
Ethanol	1.327	233.441
n-Propanol	2.346	156.213

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.04 Lipomed 09022015-A	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 7:56:41 PM	<b>Vial:</b> 50
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian <i>WA</i>
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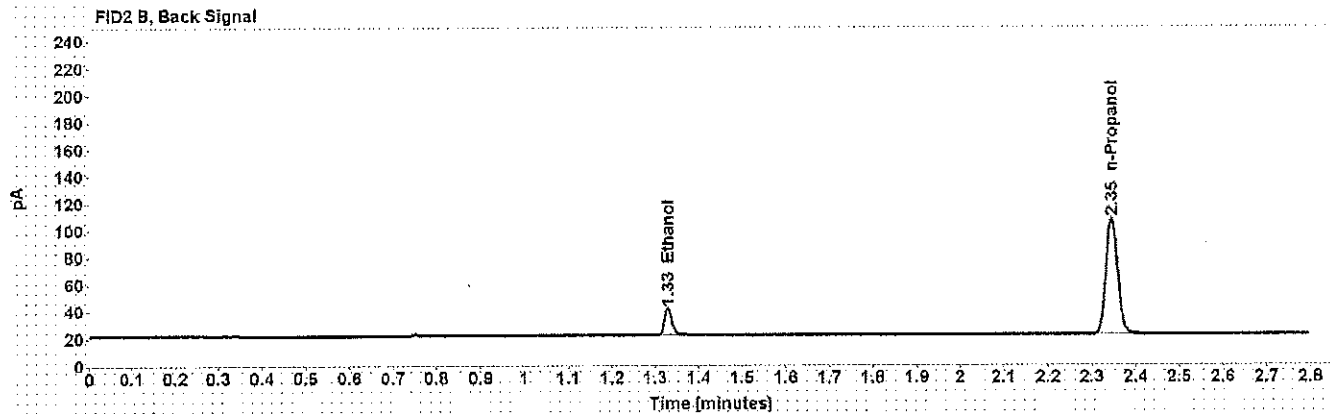
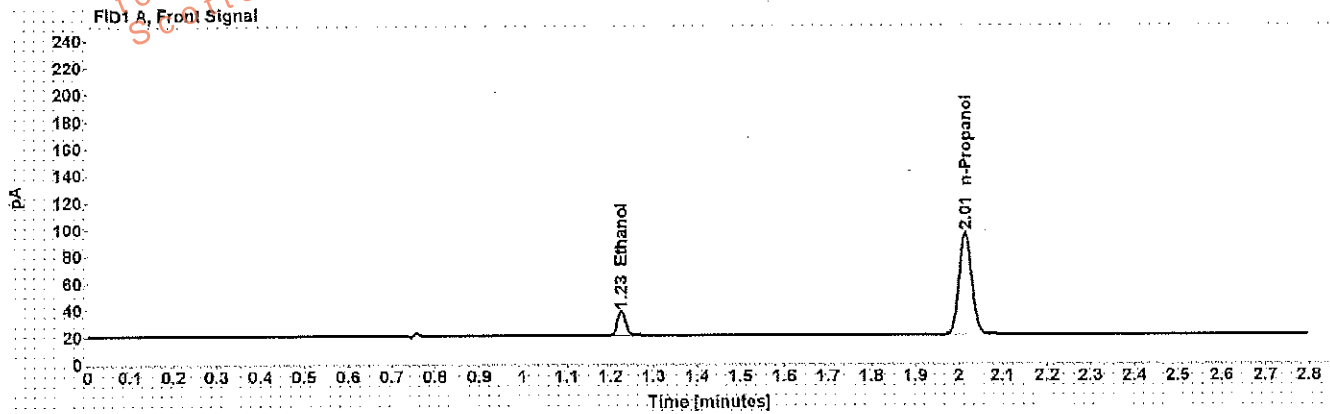


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.225	22.757
n-Propanol	-----	2.015	155.091

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

Compound	Time (min)	Peak Area
Ethanol	1.329	23.163
n-Propanol	2.345	159.700

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.200 ACQ 402101060/6	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 8:00:41 PM	<b>Vial:</b> 51
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian WA
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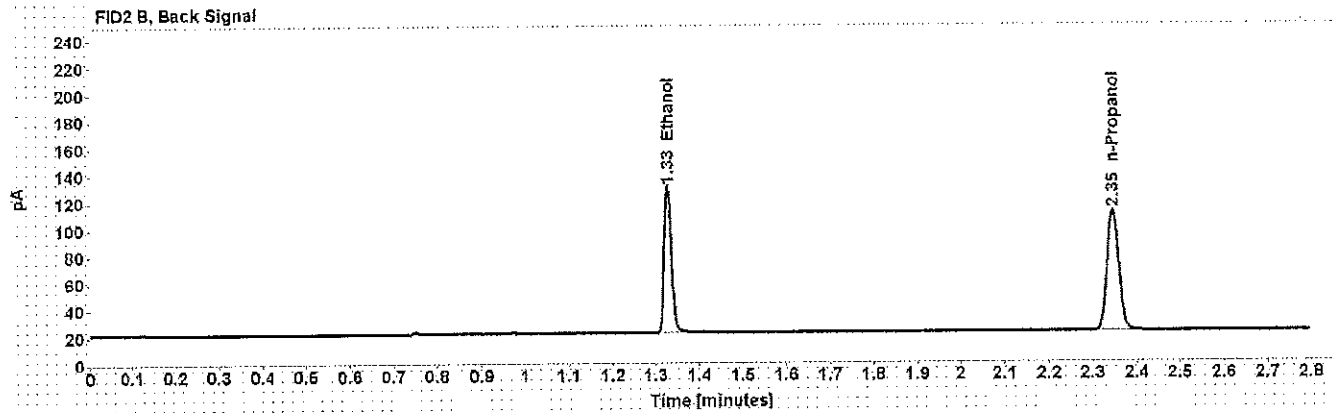
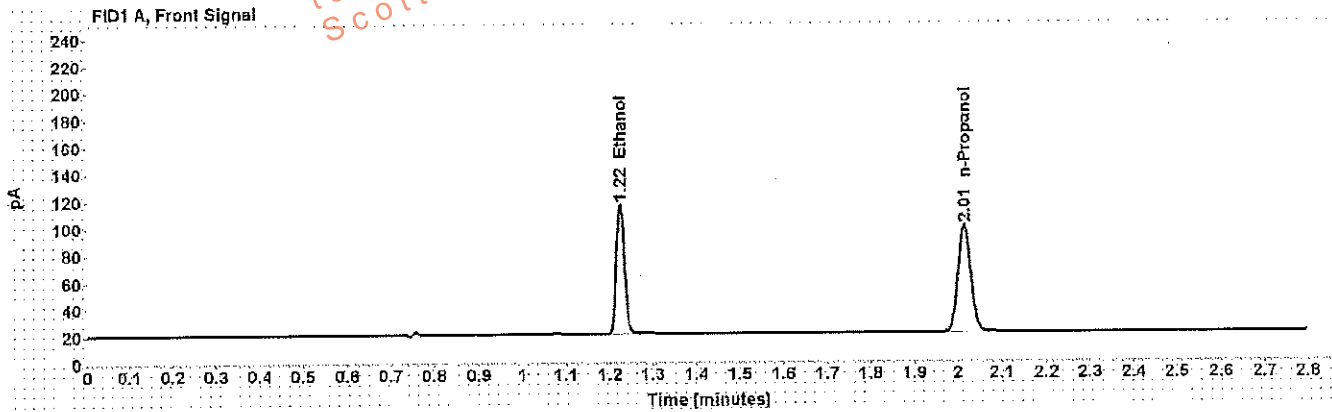


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2054	1.224	122.978
n-Propanol	-----	2.015	162.019

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

Compound	Time (min)	Peak Area
Ethanol	1.328	128.573
n-Propanol	2.346	167.079

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> blank 090816 JA	<b>Item number:</b>
<b>Injection date:</b> 12/30/2016 8:04:41 PM	<b>Vial:</b> 52
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\30Dec16\52.D	

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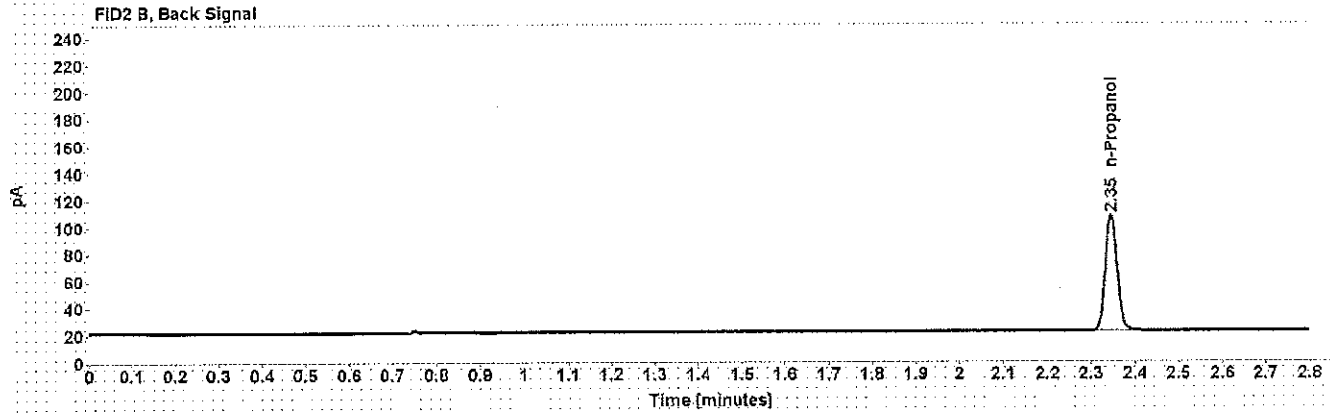
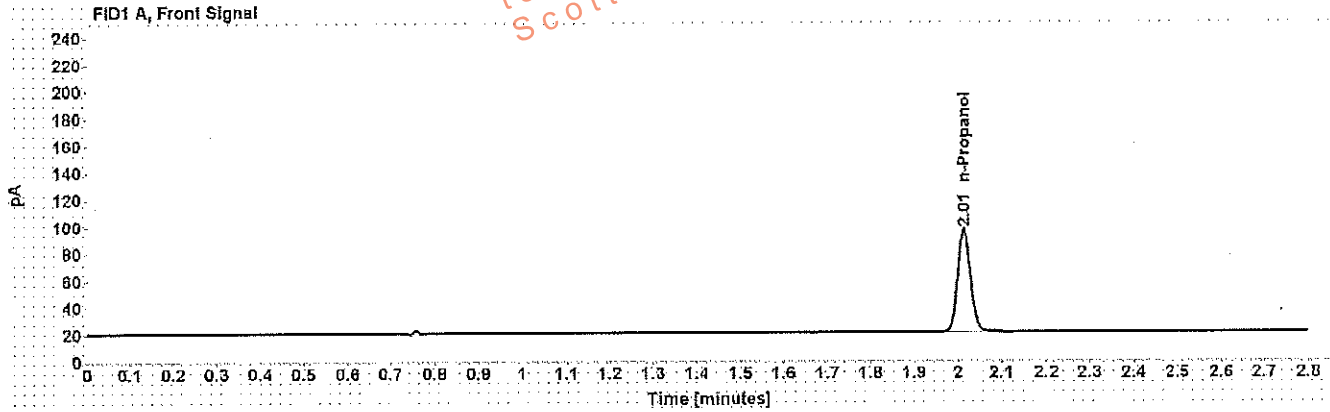


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	155.312

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	159.909

# Sequence Summary

Sequence name: 30Dec16 Instrument: US14173023 CN14160045 Analyst: Adrian

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN08101401	Calibration		ethanol quant.M
2	0.100 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.200 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.400 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 090816 WA	Control		ethanol quant.M
6	volatiles mix 090816 ACQ DS3116 WLA	Control		ethanol quant.M
7	0.400 Lipomed 05012012-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.200 ACQ 402101060/6	Control		ethanol quant.M
10		Sample	1125505	ethanol quant.M
11		Sample	1125505	ethanol quant.M
12		Sample	1102574	ethanol quant.M
13		Sample	1102574	ethanol quant.M
14		Sample	1076493	ethanol quant.M
15		Sample	1076493	ethanol quant.M
16		Sample	1076651	ethanol quant.M
17		Sample	1076651	ethanol quant.M
18		Sample	1038326	ethanol quant.M
19		Sample	1038326	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1127952	ethanol quant.M
22		Sample	1127952	ethanol quant.M
23		Sample	1124722	ethanol quant.M
24		Sample	1124722	ethanol quant.M
25		Sample	1124774	ethanol quant.M
26		Sample	1124774	ethanol quant.M
27		Sample	1096220	ethanol quant.M
28		Sample	1096220	ethanol quant.M
29		Sample	1124636	ethanol quant.M
30		Sample	1124636	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32		Sample	1122581	ethanol quant.M
33		Sample	1122581	ethanol quant.M
34		Sample	1125202	ethanol quant.M
35		Sample	1125202	ethanol quant.M
36		Sample	1125507	ethanol quant.M
37		Sample	1125507	ethanol quant.M
38		Sample	1125584	ethanol quant.M
39		Sample	1125584	ethanol quant.M
40		Sample	1124536	ethanol quant.M
41		Sample	1124536	ethanol quant.M
42	0.200 ACQ 402101060/6	Control		ethanol quant.M
43		Sample	1126513	ethanol quant.M
44		Sample	1126513	ethanol quant.M
45		Sample	1078555	ethanol quant.M
46		Sample	1078555	ethanol quant.M
47		Sample	1088578	ethanol quant.M

# Sequence Summary

WA

48		Sample	1088578	ethanol quant.M
49	0.40 Lipomed 05012012-C	Control		ethanol quant.M
50	0.04 Lipomed 09022015-A	Control		ethanol quant.M
51	0.200 ACQ 402101060/6	Control		ethanol quant.M
52	blank 090816	Control		ethanol quant.M

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SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY  
SEQUENCE SUMMARY OF CASES

SEQUENCE NAME: 30Dec16

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference	Absolute Difference (g/dL)*
10 11	0.1845	0.1846	0.18455	0.00	0.00005
12 13	0.1947	0.1943	0.1945	0.15	0.00030
14 15	0.1967	0.1962	0.19645	0.03	0.00005
16 17	0.1760	0.1763	0.17615	0.09	0.00015
18 19	0.1356	0.1357	0.13565	0.22	0.00030
21 22	0.2327	0.2326	0.23265	0.02	0.00005
23 24	0.1957	0.1983	0.19700	0.66	0.00130
25 26	0.0935	0.0931	0.09330	0.21	0.00020
27 28	0.1011	0.1017	0.10140	0.30	0.00030
29 30	0.0939	0.0939	0.09390	0.00	0.00000
32 33	0.1410	0.1409	0.14095	0.04	0.00005
34 35	0.0918	0.0924	0.09210	0.33	0.00030
36 37	0.1172	0.1157	0.11645	0.64	0.00075
38 39	0.2152	0.2133	0.21425	0.44	0.00095
40 41	0.2048	0.2021	0.20345	0.66	0.00135
43 44	0.1632	0.1647	0.16395	0.46	0.00075
45 46	0.2813	0.2810	0.28115	0.05	0.00015
47 48	0.1437	0.1446	0.14415	0.31	0.00045

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

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1125505
<b>Injection date:</b> 12/30/2016 5:14:56 PM	<b>Vial:</b> 10
<b>Method:</b> ethanol quant.M.	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\30Dec16\10.D	

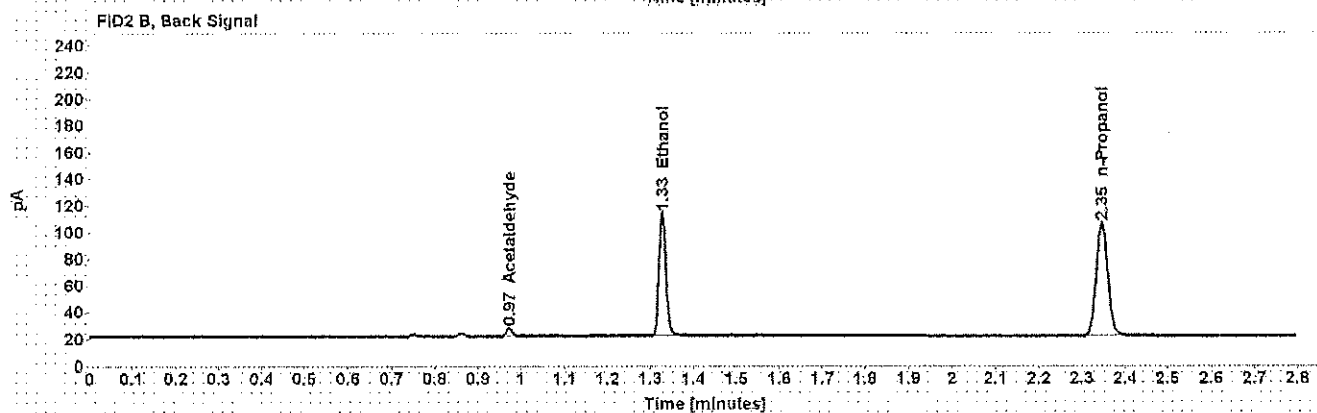
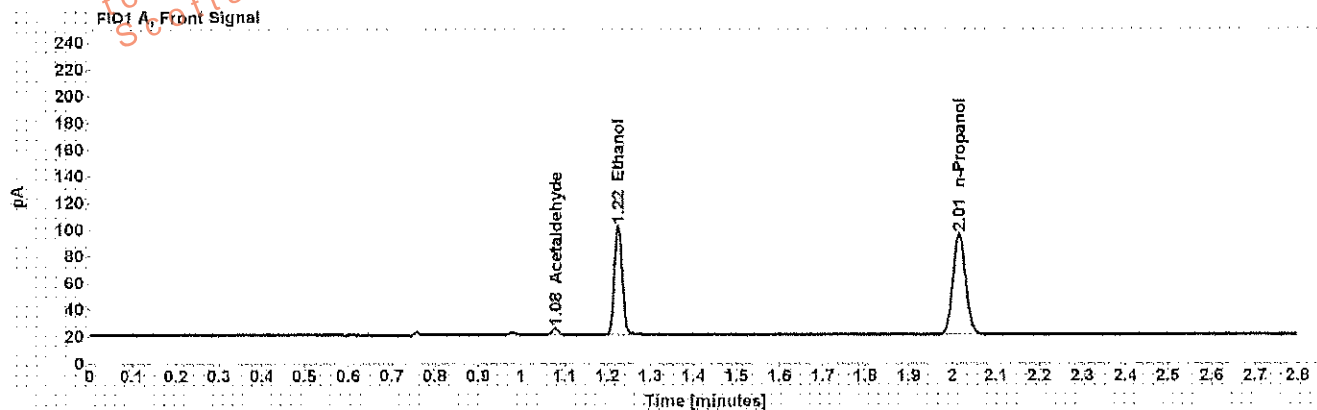


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.162
>Ethanol	0.1845	1.224	104.018
n-Propanol	-----	2.015	152.650

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.518
Ethanol	1.328	106.738
n-Propanol	2.346	156.808

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1125505
Injection date: 12/30/2016 5:18:56 PM	Vial: 11
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Dec16\11.D	

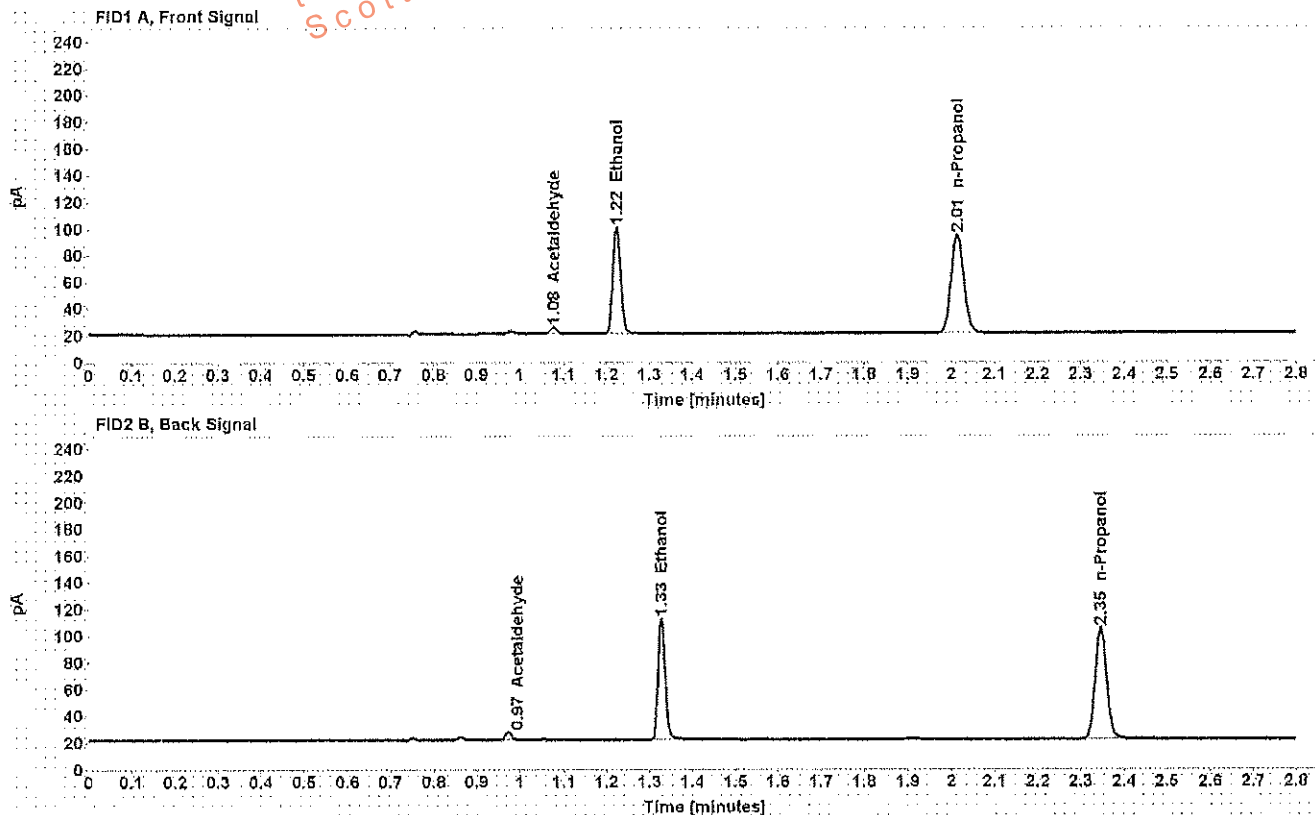


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.117
>Ethanol	0.1846	1.224	102.631
n-Propanol	-----	2.015	150.508

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	5.472
Ethanol	1.328	105.350
n-Propanol	2.346	154.584

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1102574
Injection date: 12/30/2016 5:22:56 PM	Vial: 12
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\30Dec16\12.D	

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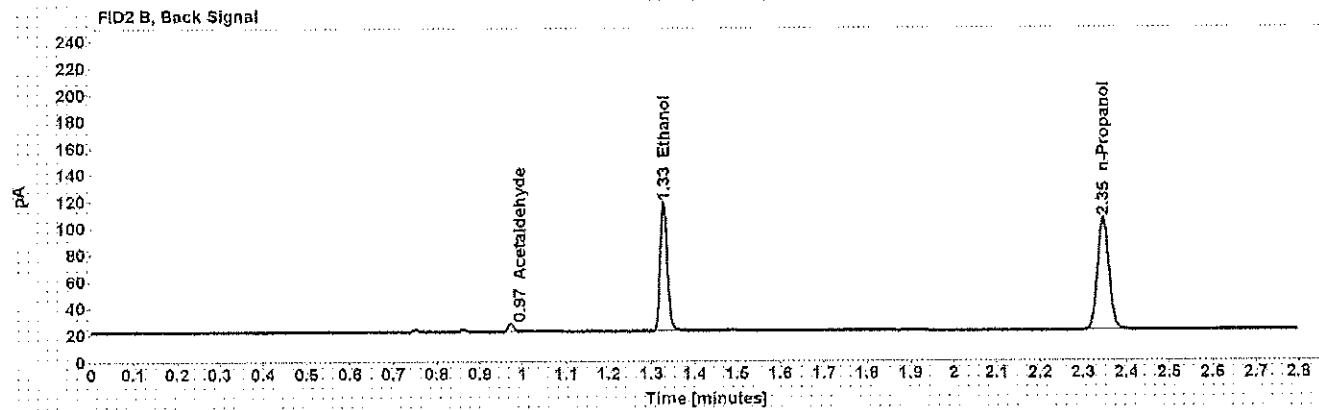
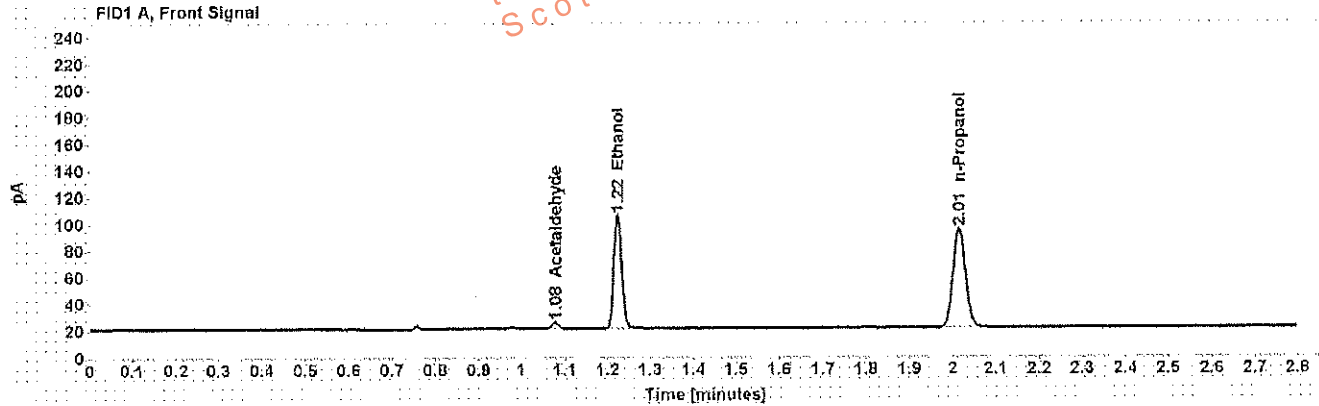


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.131
>Ethanol	0.1947	1.224	108.686
n-Propanol	-----	2.015	151.126

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.438
Ethanol	1.328	111.582
n-Propanol	2.346	155.461

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1102574
Injection date: 12/30/2016 5:27:13 PM	Vial: 13
Method: ethanol.quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\30Dec16\13.D	

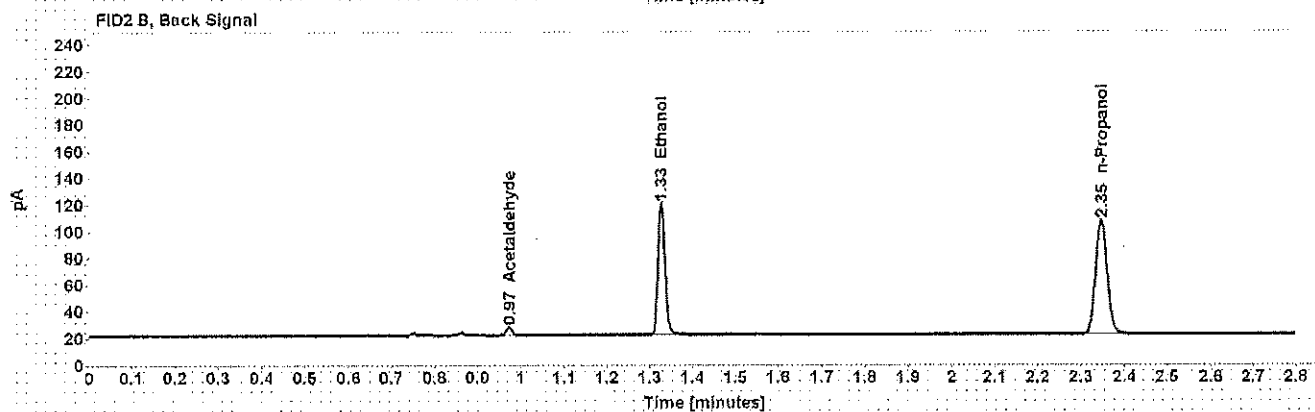
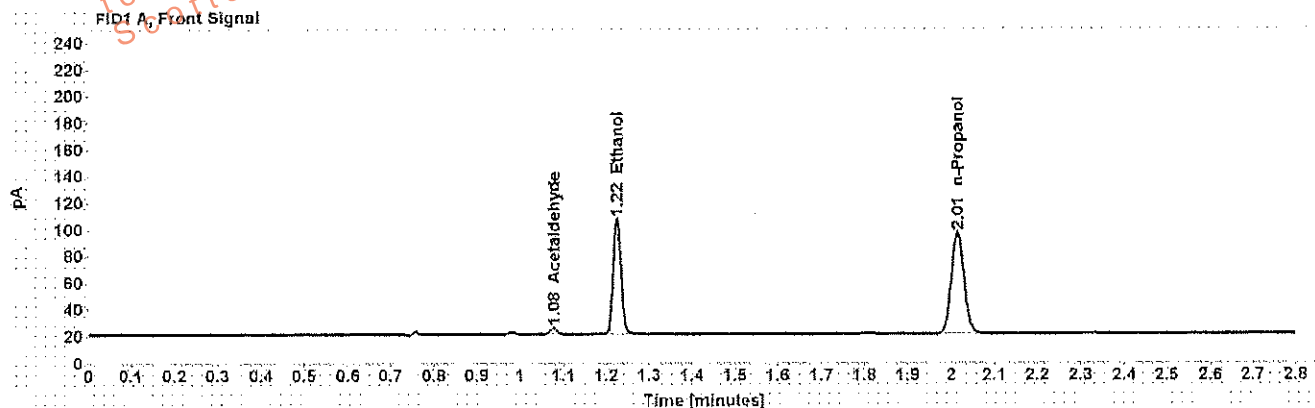


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.090
>Ethanol	0.1953	1.224	111.169
n-Propanol	-----	2.015	154.104

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.460
Ethanol	1.328	114.185
n-Propanol	2.346	158.431



**Scottsdale Police Department Crime Lab Volatiles Analysis**

Sample:	[REDACTED]	Item number:	1076493
Injection date:	12/30/2016 5:31:11 PM	Vial:	14
Method:	ethanol quant.M	Sequence:	30Dec16
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem321\Data\30Dec16\14.D		

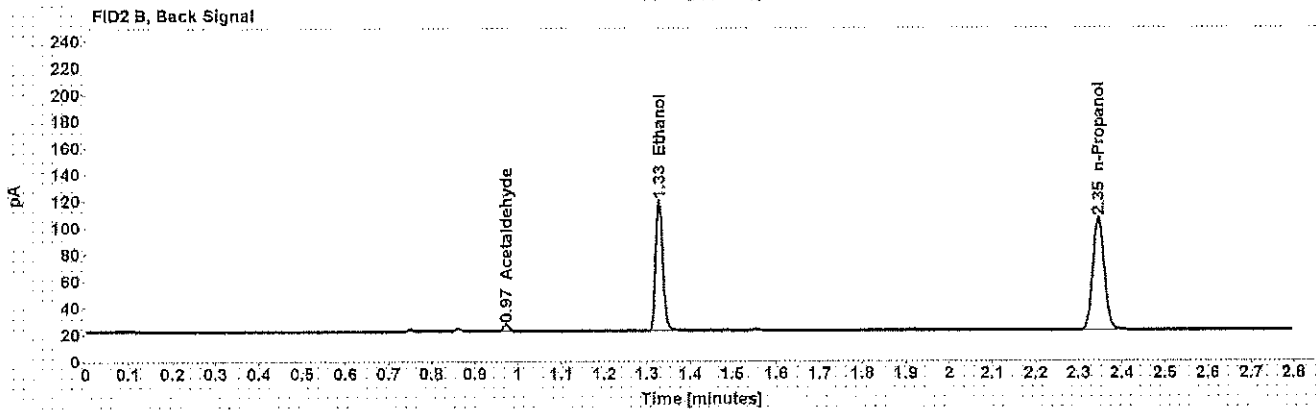
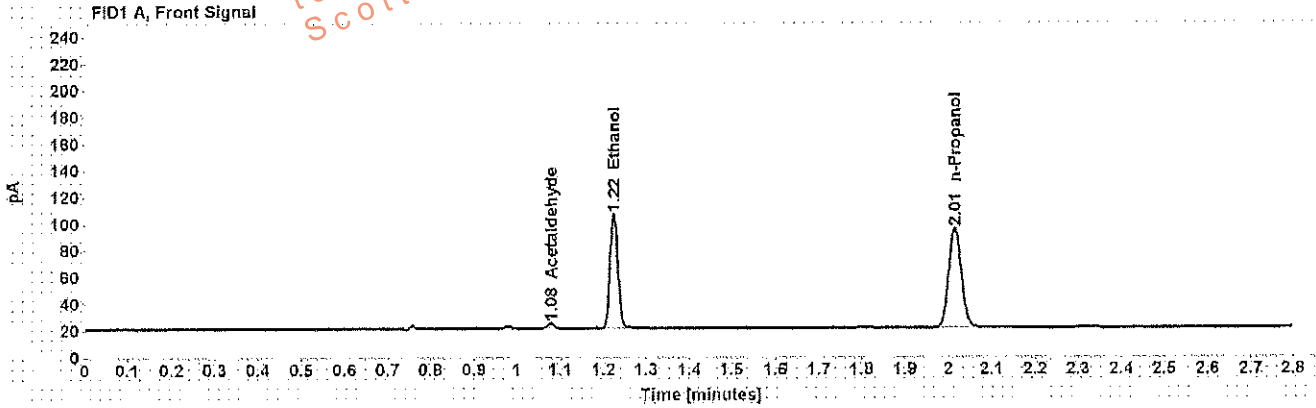


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.148
>Ethanol	0.1967	1.224	110.250
n-Propanol	-----	2.015	151.703

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.467
Ethanol	1.328	113.197
n-Propanol	2.346	156.196



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1076493
Injection date:	12/30/2016 5:35:11 PM	Vial:	15
Method:	ethanol quant.M	Sequence:	30Dec16
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\30Dec16\15.D		

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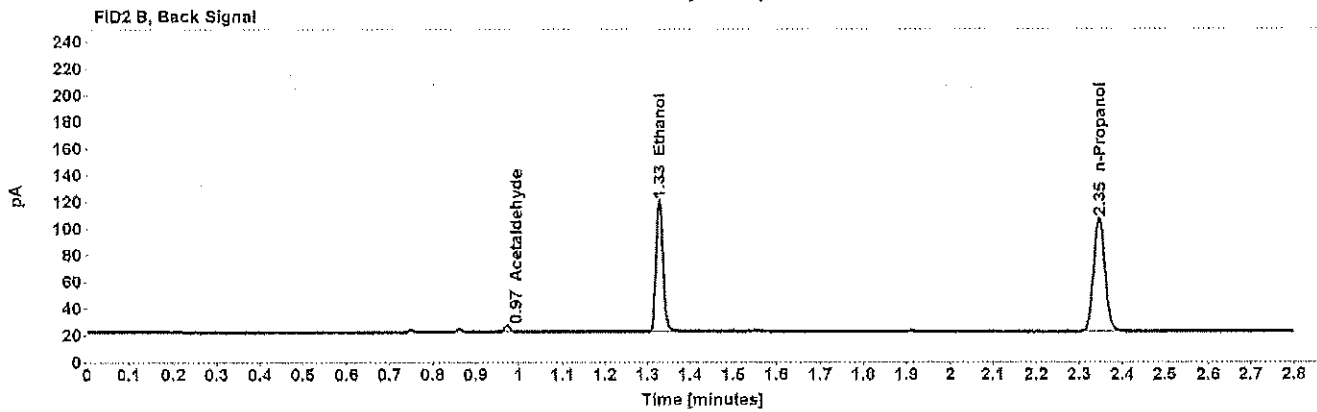
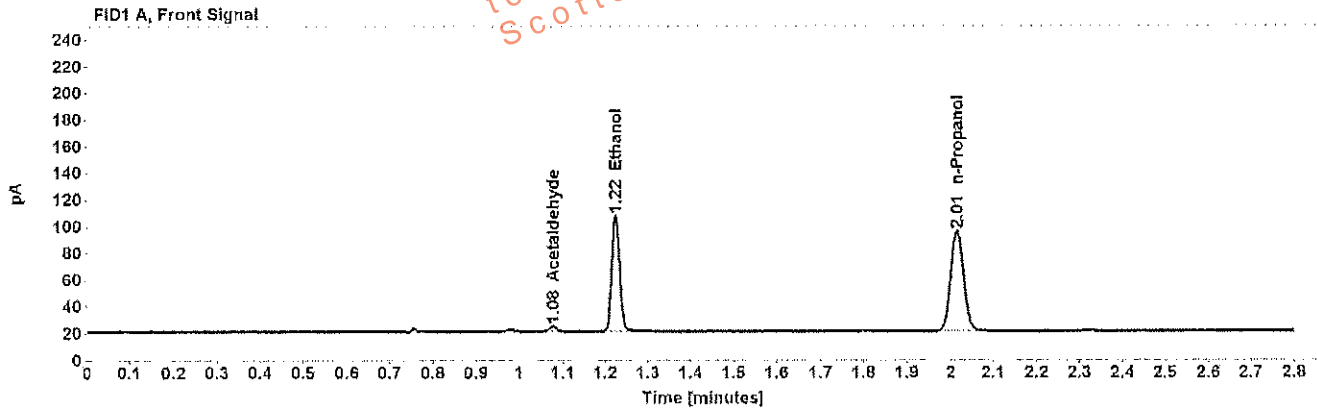


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.106
>Ethanol	0.1968	1.224	111.155
n-Propanol	-----	2.015	152.888

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.439
Ethanol	1.328	114.258
n-Propanol	2.346	157.345

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1076651
Injection date: 12/30/2016 5:39:11 PM	Vial: 16
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\30Dec16\16.D	

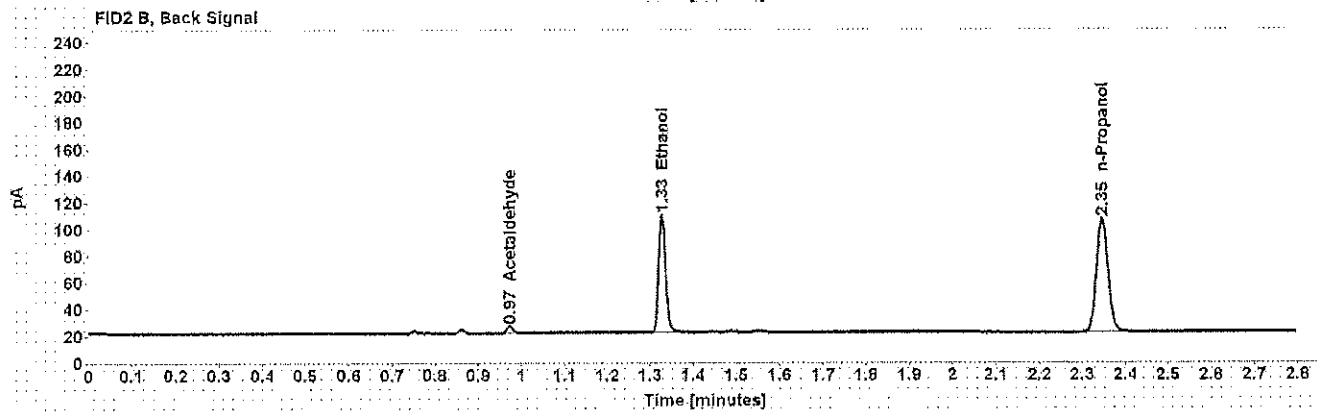
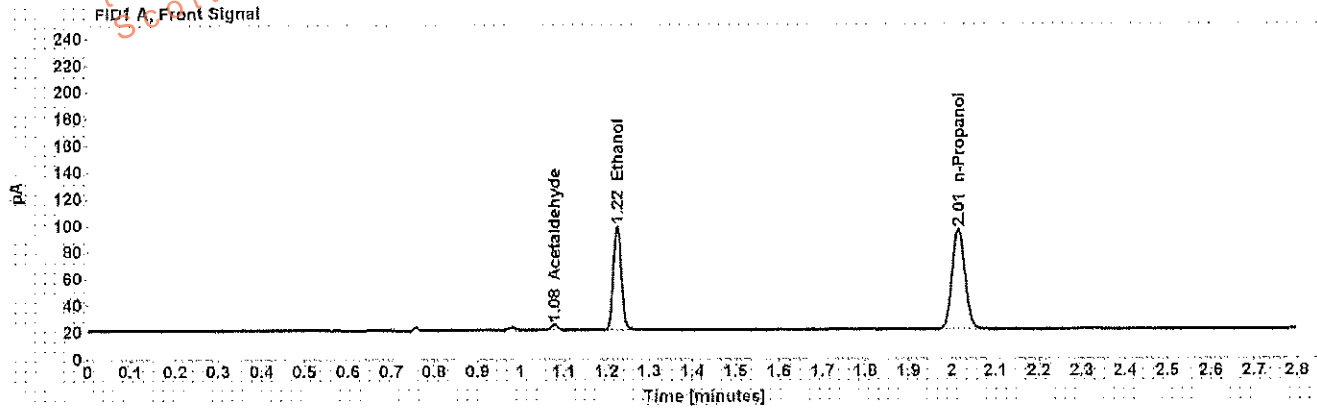


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.337
>Ethanol	0.1760	1.224	99.884
n-Propanol	-----	2.015	153.638

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.632
Ethanol	1.328	102.658
n-Propanol	2.346	158.408

**Scottsdale Police Department Crime Lab Volatiles Analysis**

Sample:	[REDACTED]	Item number:	1076651
Injection date:	12/30/2016 5:43:11 PM	Vial:	17
Method:	ethanol quant.M	Sequence:	30Dec16
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem321\Data\30Dec16\17.D		

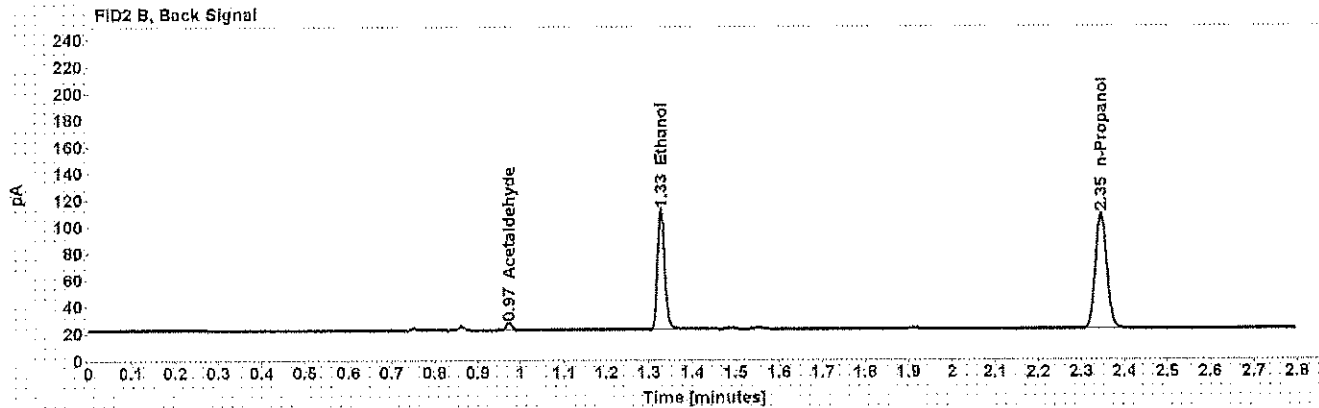
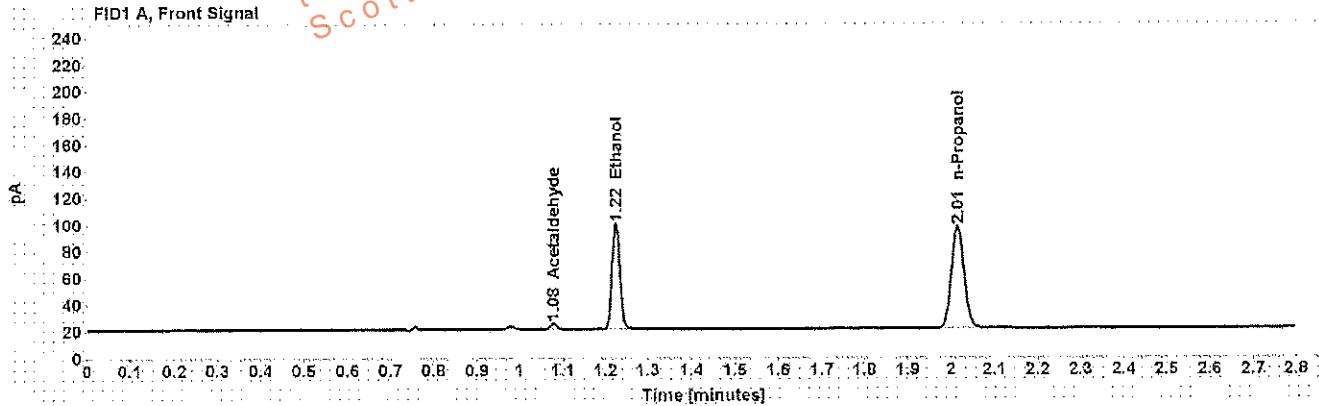


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.373
>Ethanol	0.1763	1.224	101.399
n-Propanol	-----	2.015	155.770

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.693
Ethanol	1.328	104.474
n-Propanol	2.346	160.449

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1036326
Injection date: 12/30/2016 5:47:11 PM	Vial: 18
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Dec16\18.D	

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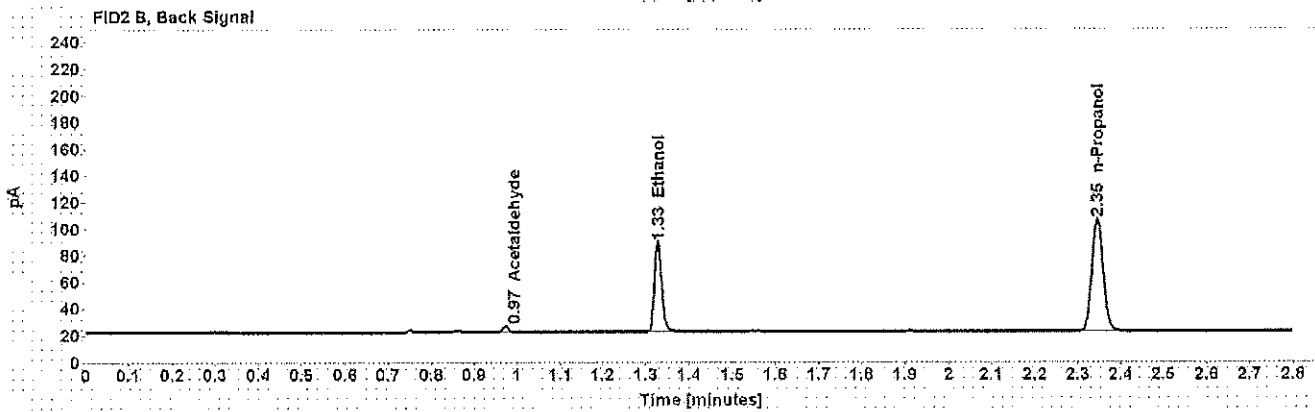
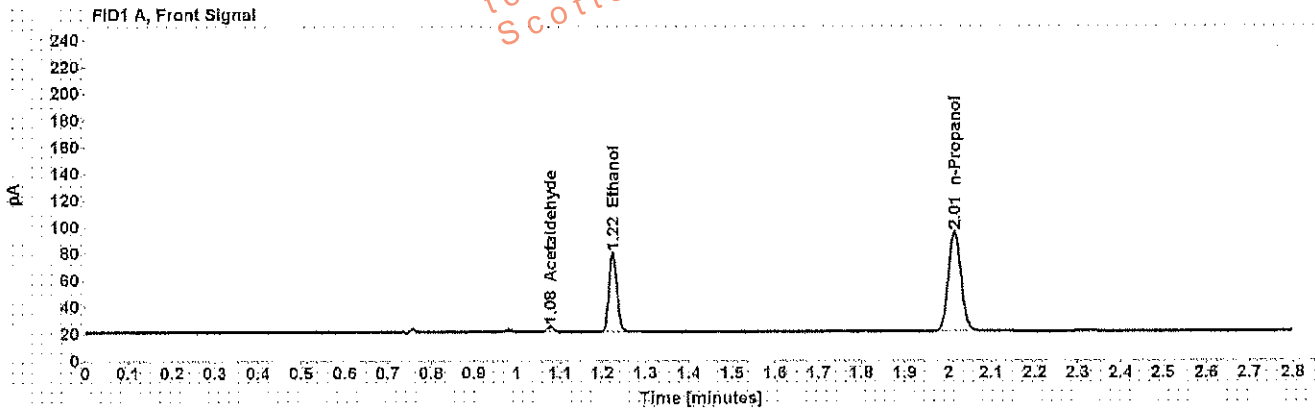


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.945
>Ethanol	0.1356	1.225	75.765
n-Propanol	-----	2.015	151.442

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.247
Ethanol	1.328	78.002
n-Propanol	2.346	155.810

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1038326
Injection date: 12/30/2016 5:51:26 PM	Vial: 19
Method: ethanol.quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\30Dec16\19.D	

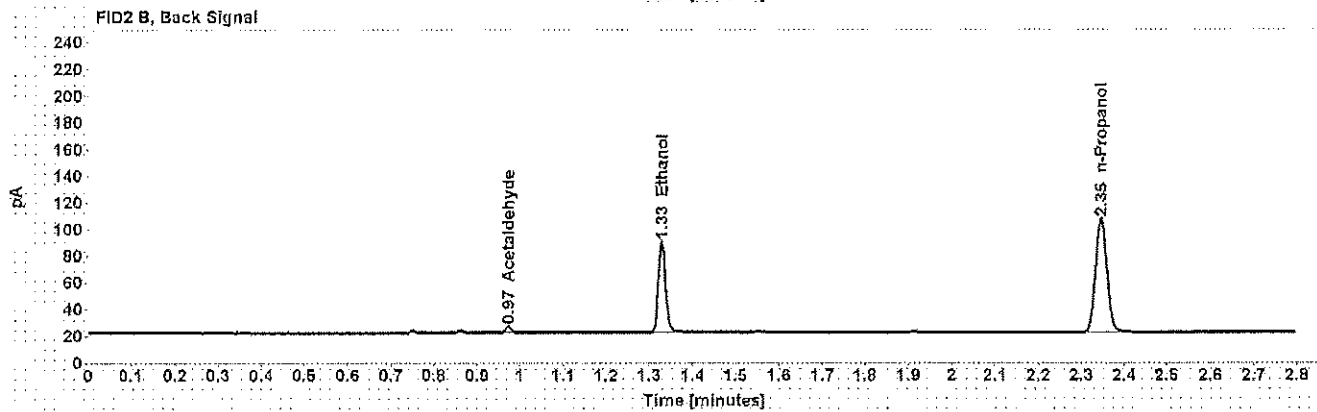
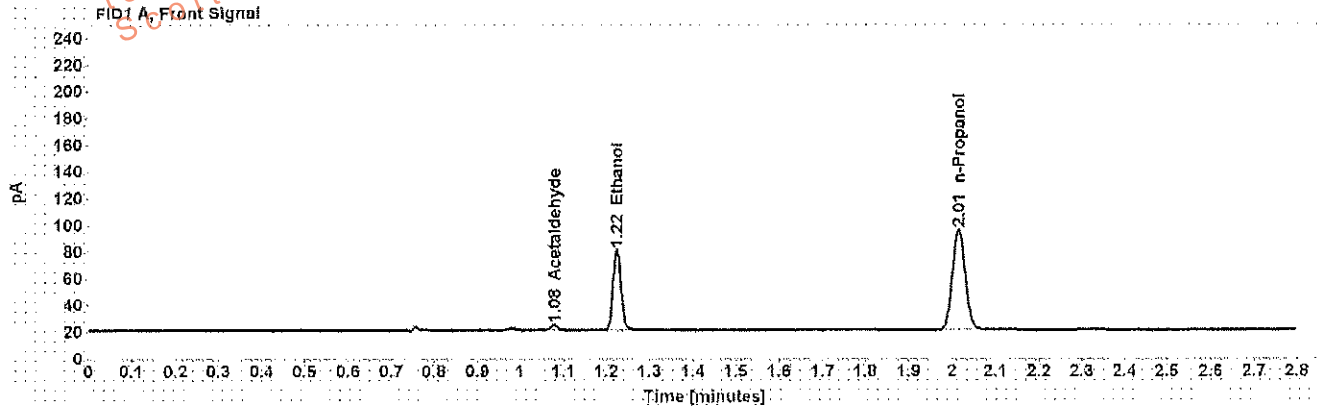


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.008
>Ethanol	0.1362	1.225	77.207
n-Propanol	-----	2.015	153.639

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.308
Ethanol	1.328	79.401
n-Propanol	2.346	158.123

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1127952
Injection date:	12/30/2016 5:59:27 PM	Vial:	21
Method:	ethanol quant.M	Sequence:	30Dec16
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\30Dec16\21.D		

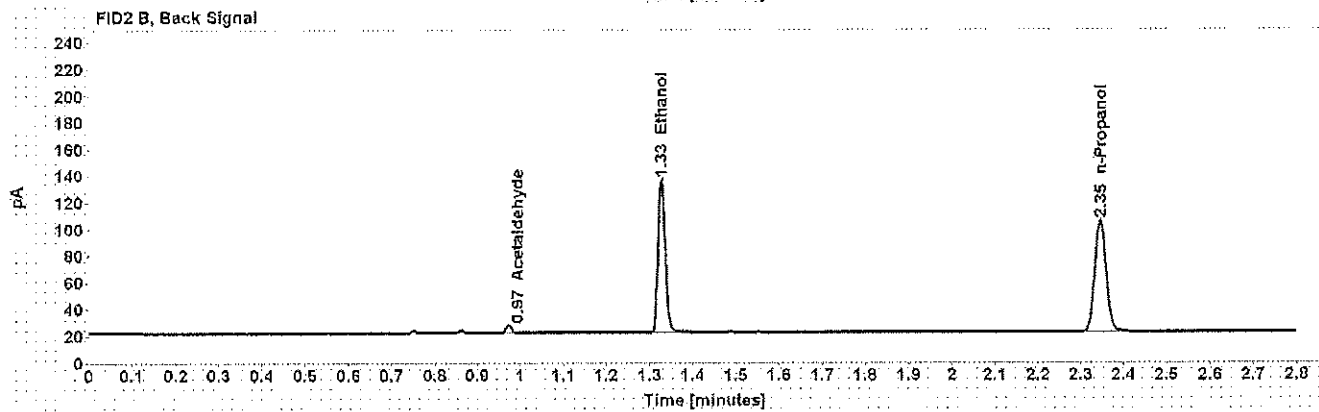
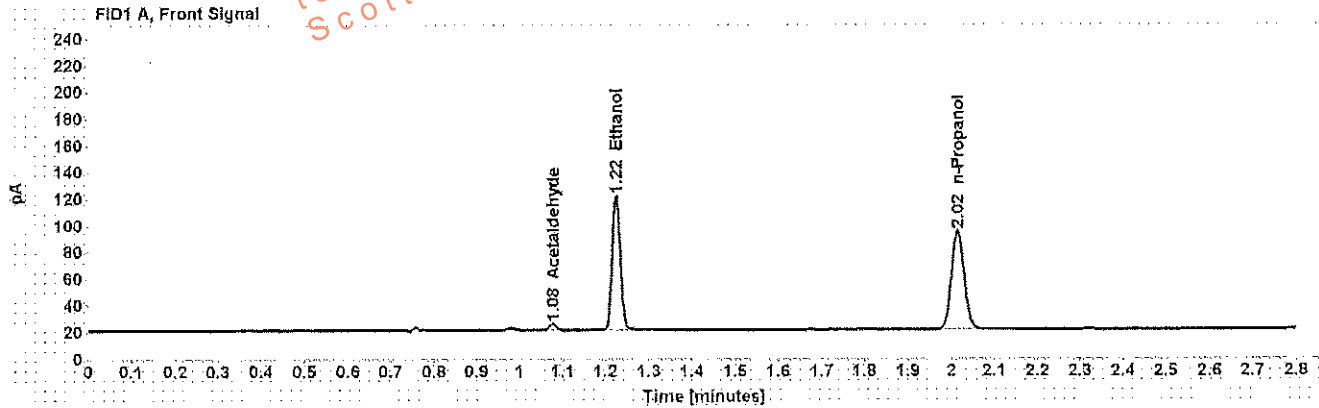


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.938
>Ethanol	0.2327	1.224	129.301
n-Propanol	-----	2.015	150.310

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.317
Ethanol	1.328	133.146
n-Propanol	2.346	154.713

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1127952
Injection date: 12/30/2016 6:03:26 PM	Vial: 22
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\30Dec16\22.D	

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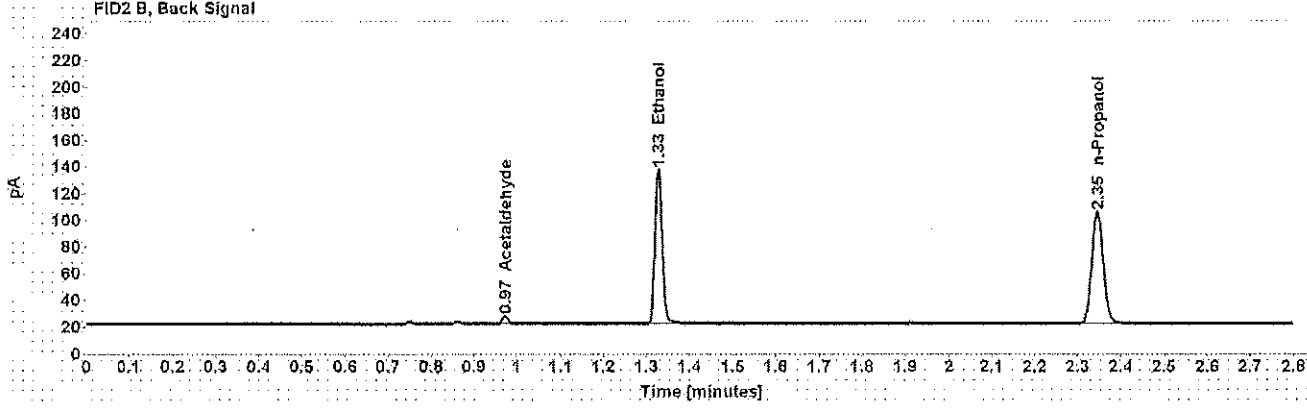
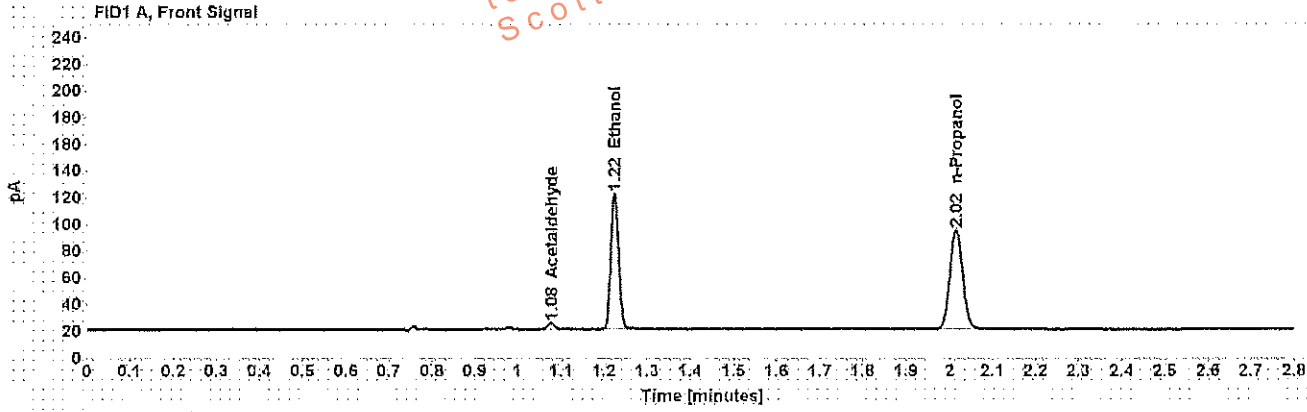


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.012
>Ethanol	0.2326	1.224	130.377
n-Propanol	-----	2.015	151.651

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.370
Ethanol	1.328	134.213
n-Propanol	2.346	156.284



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1124722
Injection date: 12/30/2016 6:07:26 PM	Vial: 23
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\30Dec16\23.D	

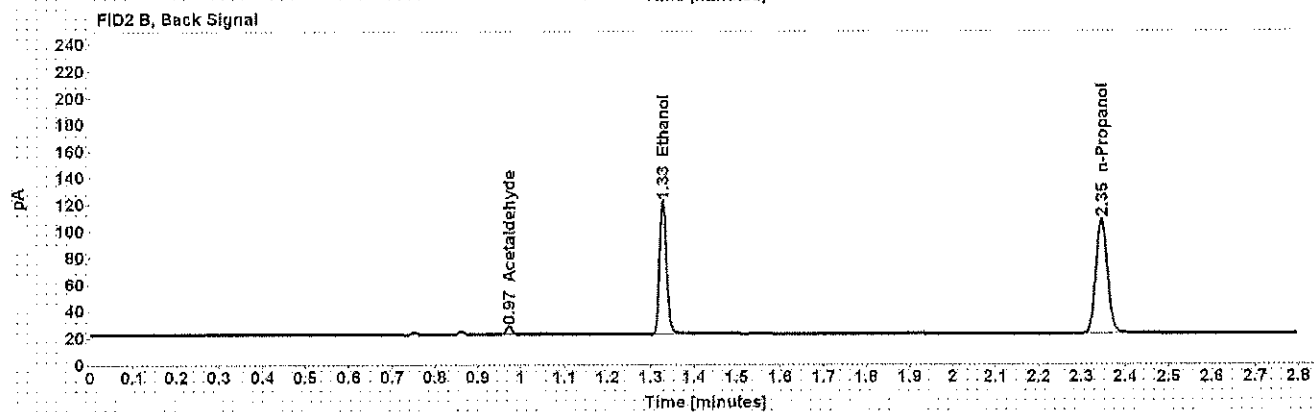
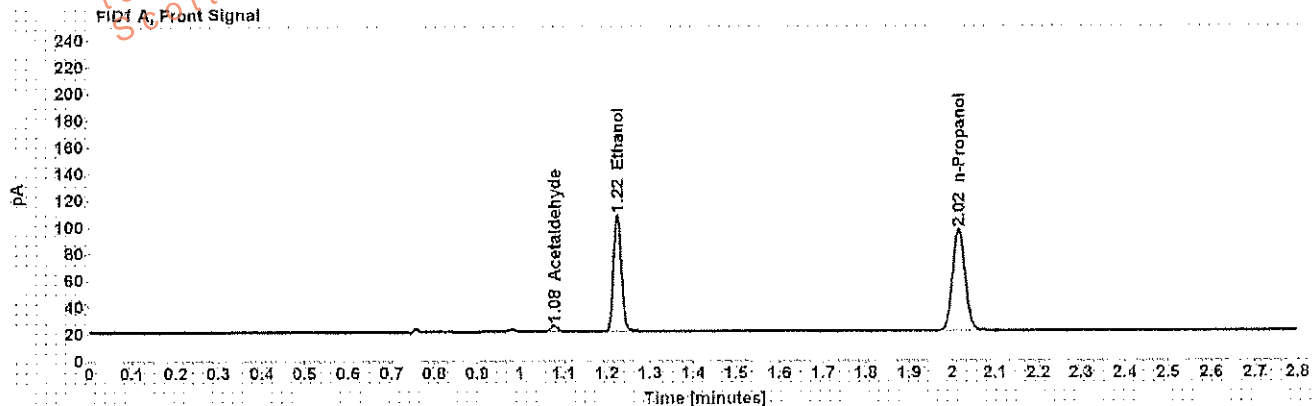


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.001
>Ethanol	0.1957	1.225	111.790
n-Propanol	-----	2.015	154.585

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.391
Ethanol	1.328	115.071
n-Propanol	2.346	158.921

**Scottsdale Police Department Crime Lab Volatiles Analysis**

Sample:	[REDACTED]	Item number:	1124722
Injection date:	12/30/2016 6:11:27 PM	Vial:	24
Method:	ethanol quant.M	Sequence:	30Dec16
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\30Dec16\24.D		

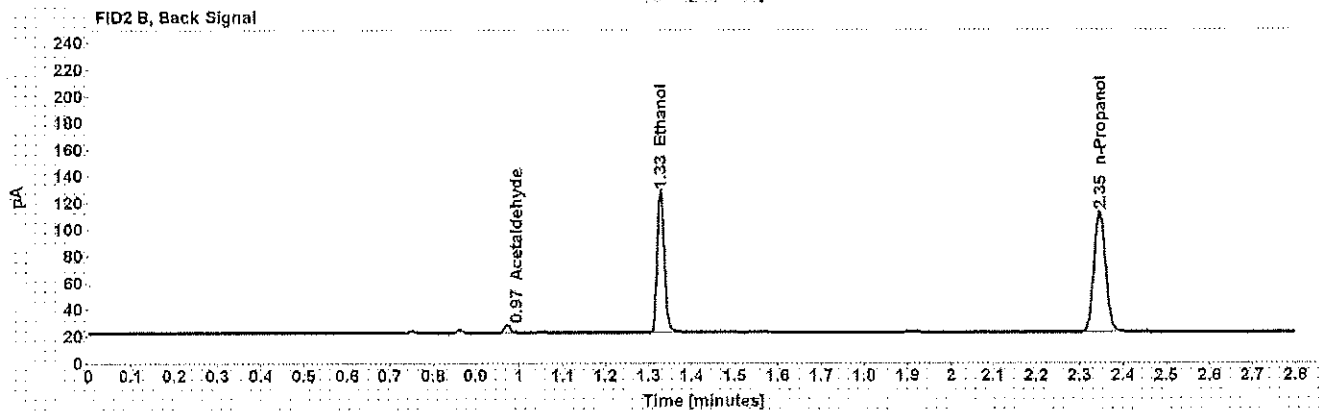
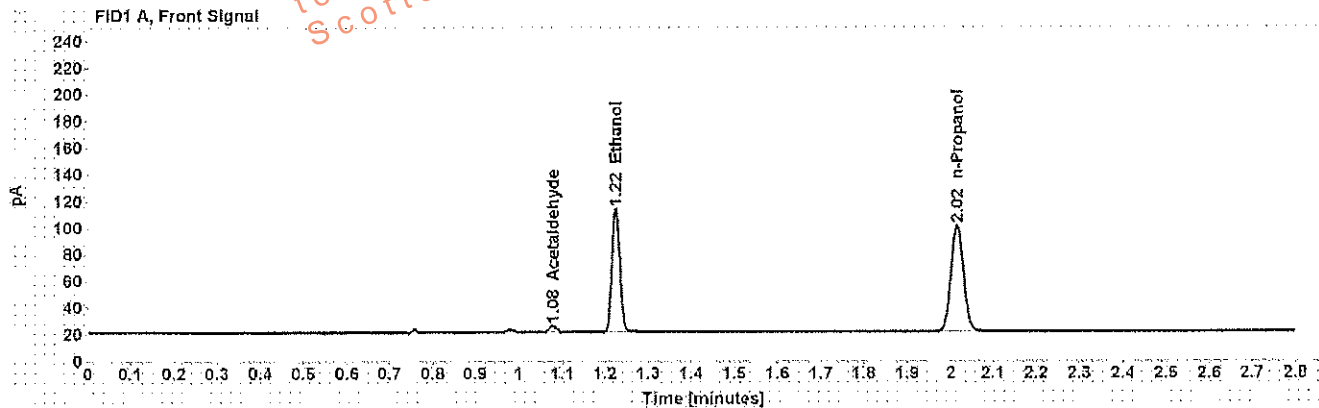


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.138
>Ethanol	0.1983	1.224	119.226
n-Propanol	-----	2.015	162.724

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.482
Ethanol	1.328	122.713
n-Propanol	2.346	167.455

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1124774
<b>Injection date:</b> 12/30/2016 6:15:41 PM	<b>Vial:</b> 25
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\30Dec16\25.D	

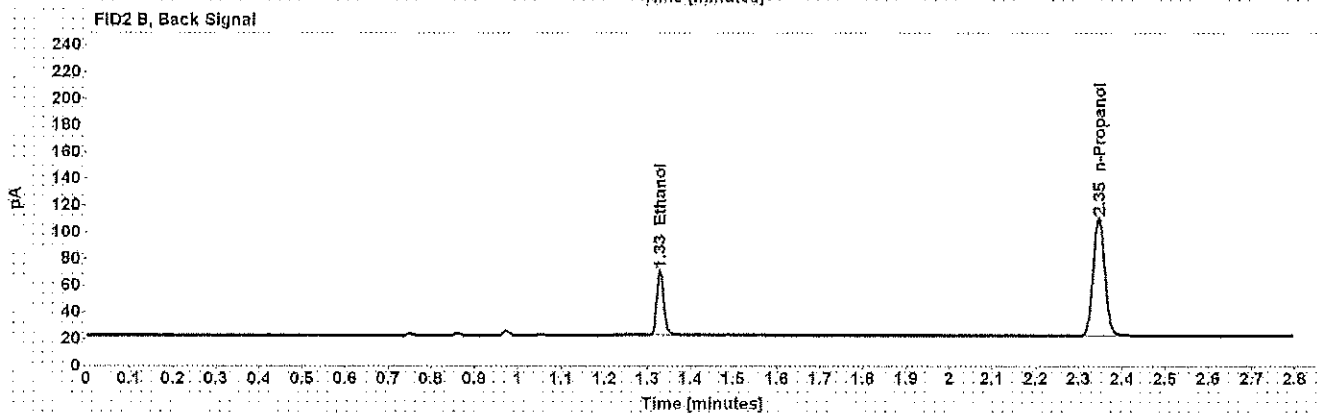
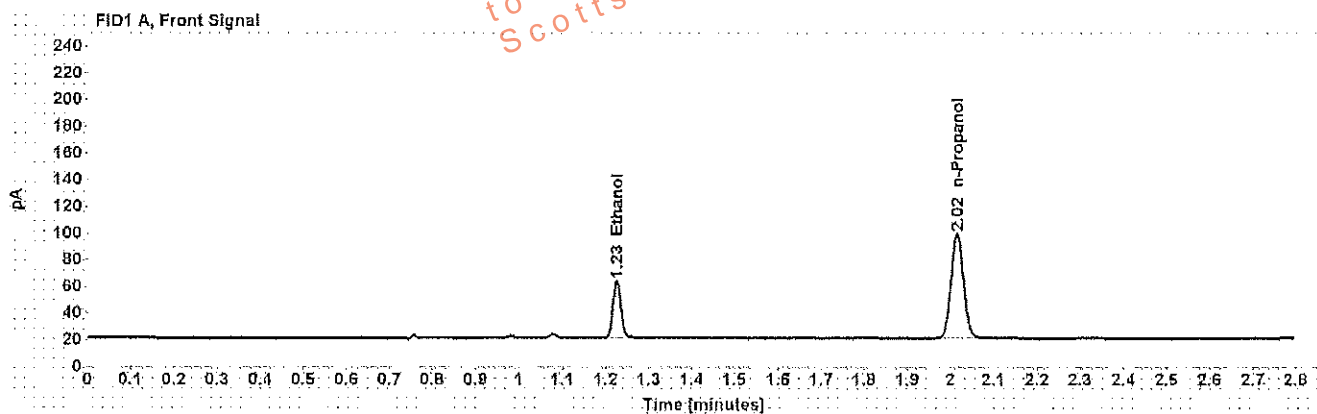


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0935	1.225	54,946
n-Propanol	-----	2.015	159,722

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

Compound	Time (min)	Peak Area
Ethanol	1.329	57,237
n-Propanol	2.346	164,491

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1124774
Injection date: 12/30/2016 6:19:41 PM	Vial: 26
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\30Dec16\26.D	

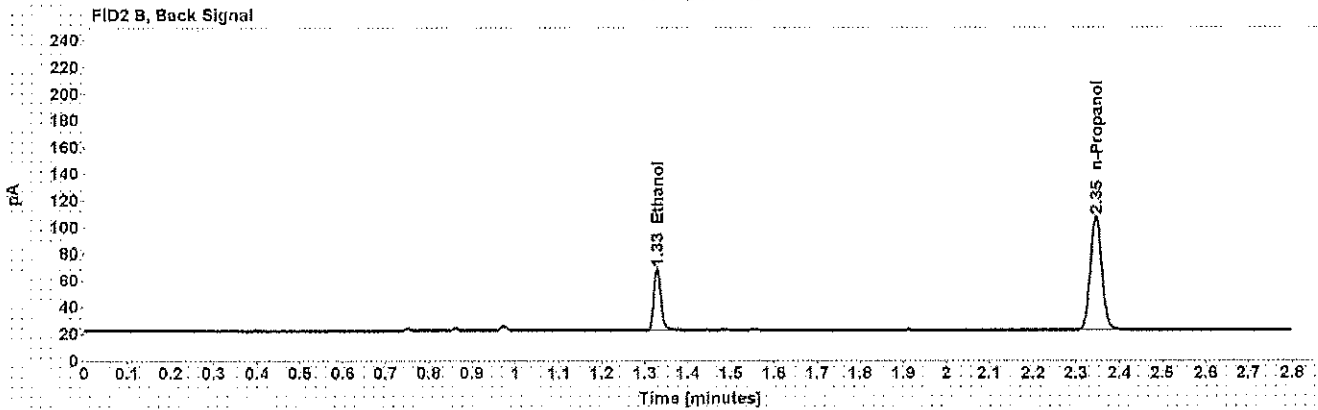
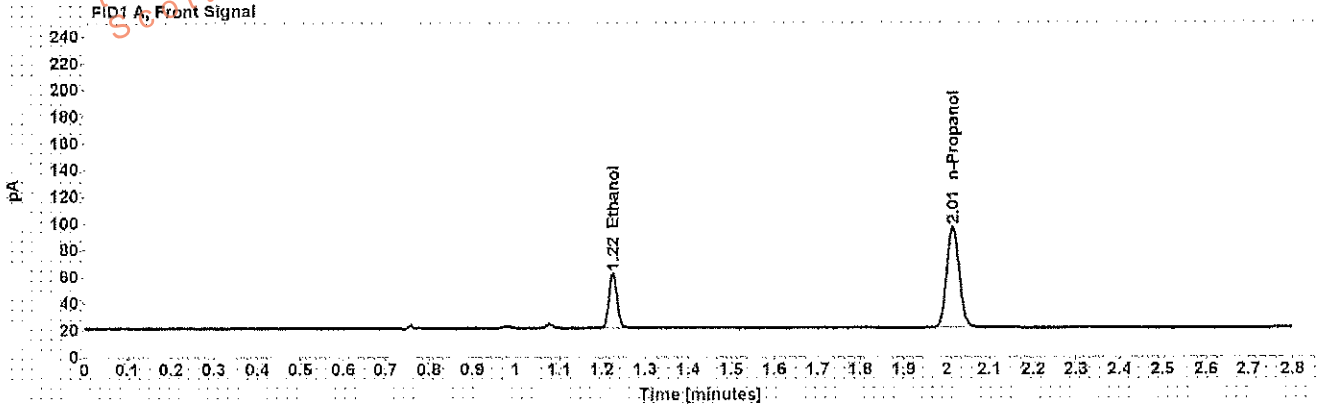


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0931	1.225	52.779
n-Propanol	-----	2.015	154.032

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

Compound	Time (min)	Peak Area
Ethanol	1.326	53.898
n-Propanol	2.346	158.399

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1096220
Injection date: 12/30/2016 6:23:40 PM	Vial: 27
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\30Dec16\27.D	

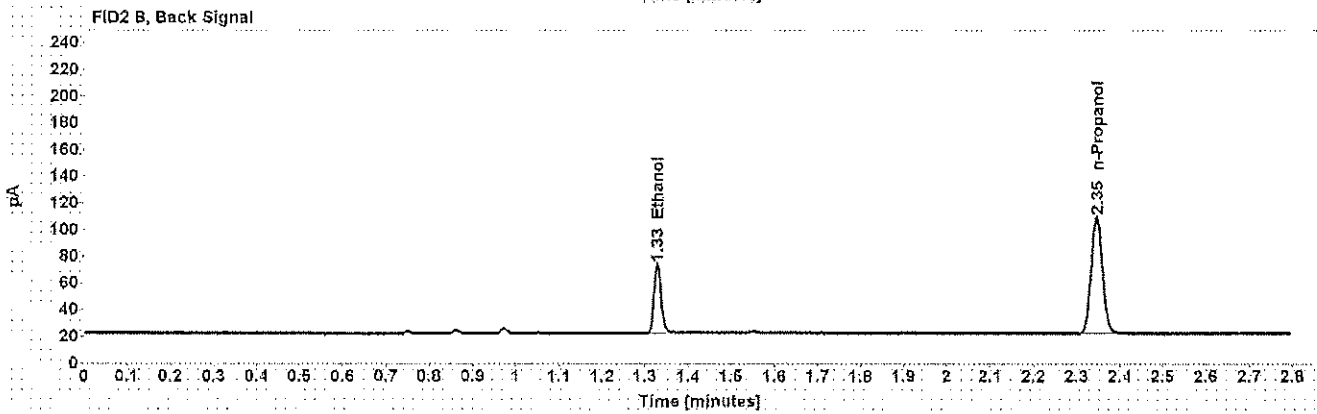
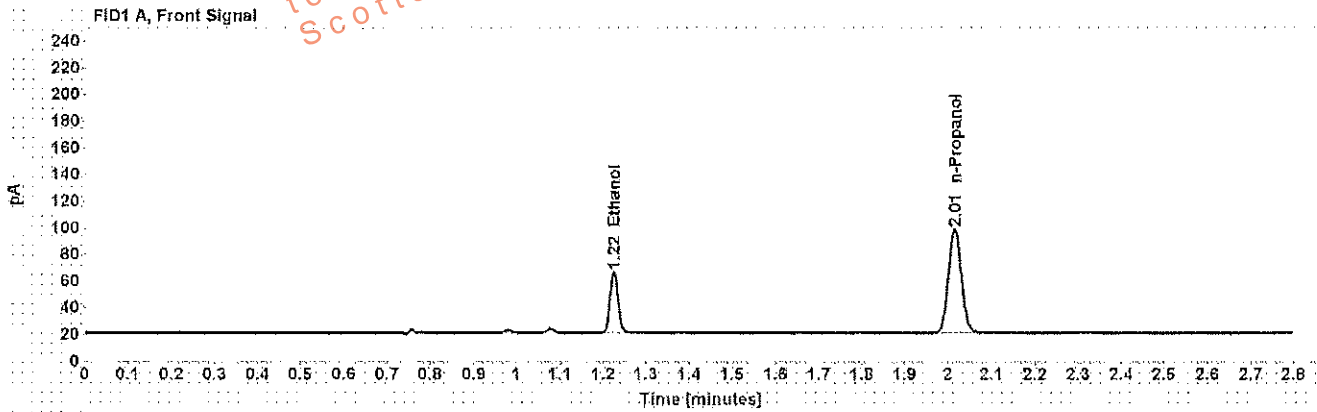


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1011	1.225	58.723
n-Propanol	-----	2.015	157.697

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

Compound	Time (min)	Peak Area
Ethanol	1.326	60.219
n-Propanol	2.346	162.548

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1096220
Injection date: 12/30/2016 6:27:40 PM	Vial: 28
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Dec16\28.D	

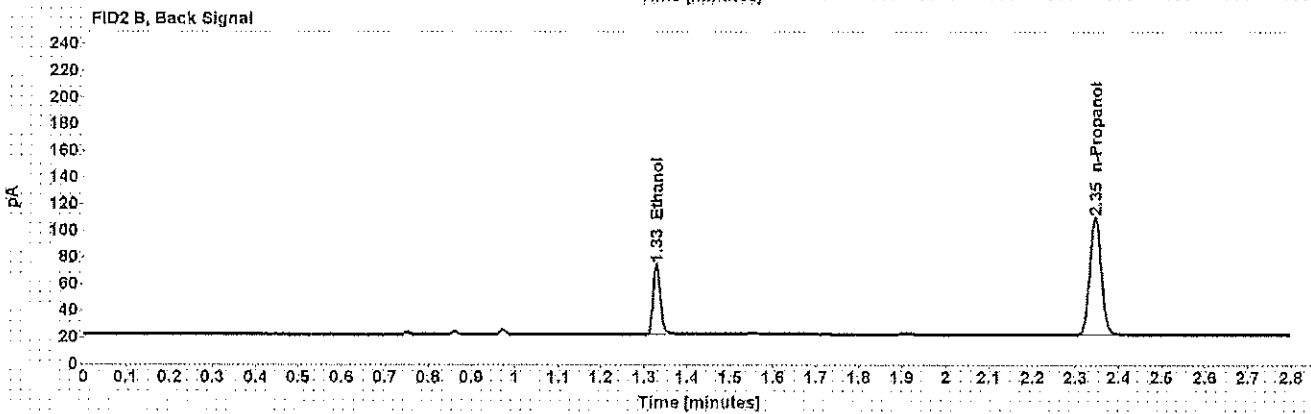
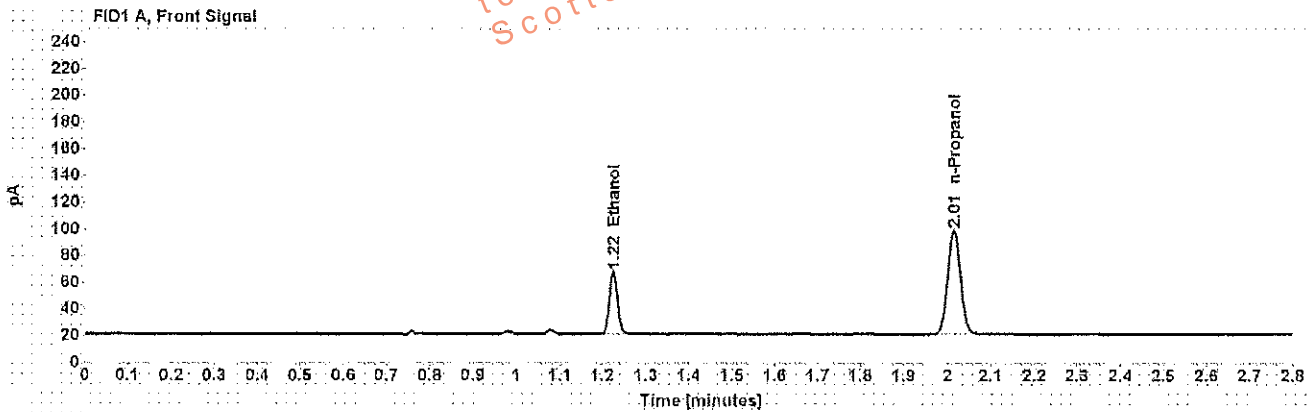


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1017	1.225	59.462
n-Propanol	-----	2.015	158.729

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

Compound	Time (min)	Peak Area
Ethanol	1.328	60.986
n-Propanol	2.346	163.670

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1124636
<b>Injection date:</b> 12/30/2016 6:31:41 PM	<b>Vial:</b> 29
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\30Dec16\29.D	

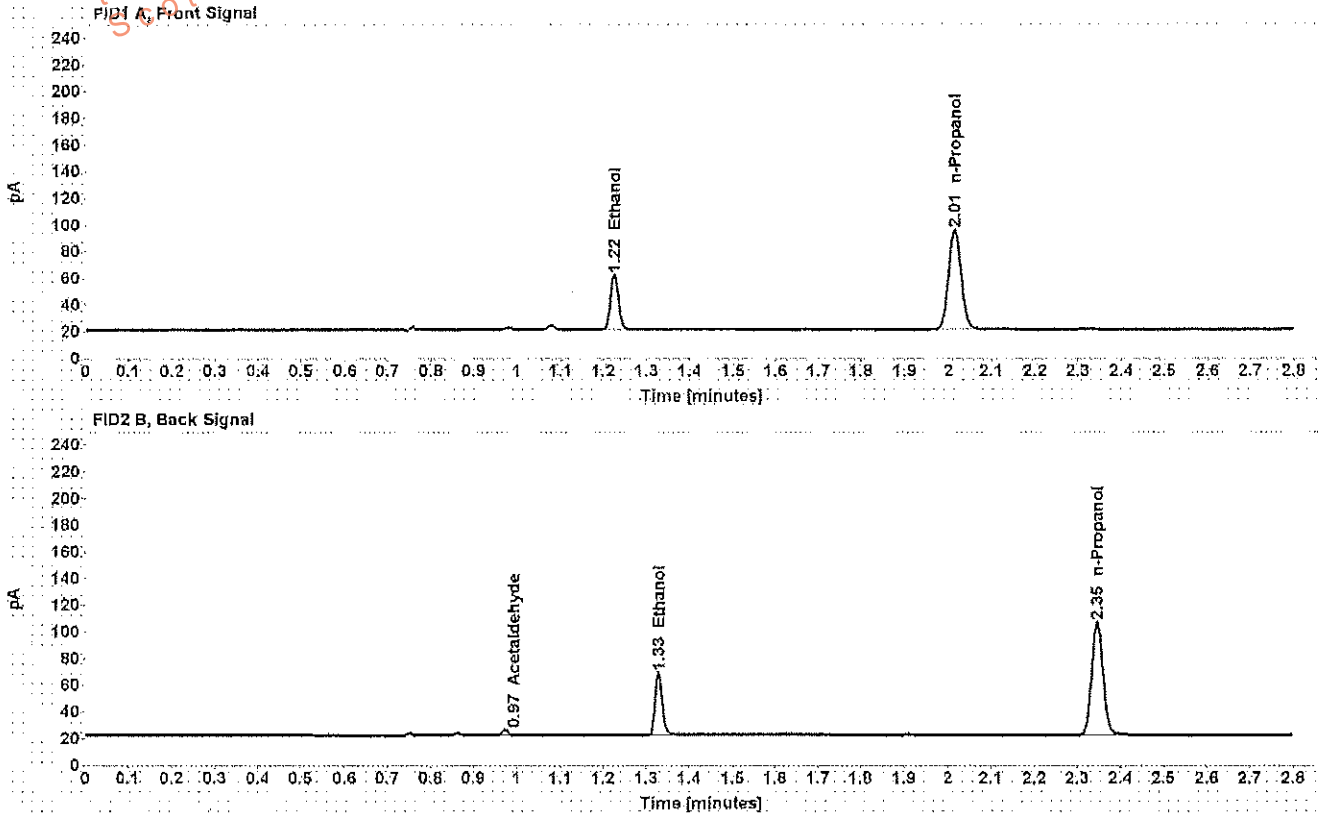


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0939	1.225	52.892
n-Propanol	-----	2.015	153.035

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.774
Ethanol	1.328	54.720
n-Propanol	2.346	157.364



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1124636
Injection date: 12/30/2016 6:35:41 PM	Vial: 30
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\30Dec10\30.D	

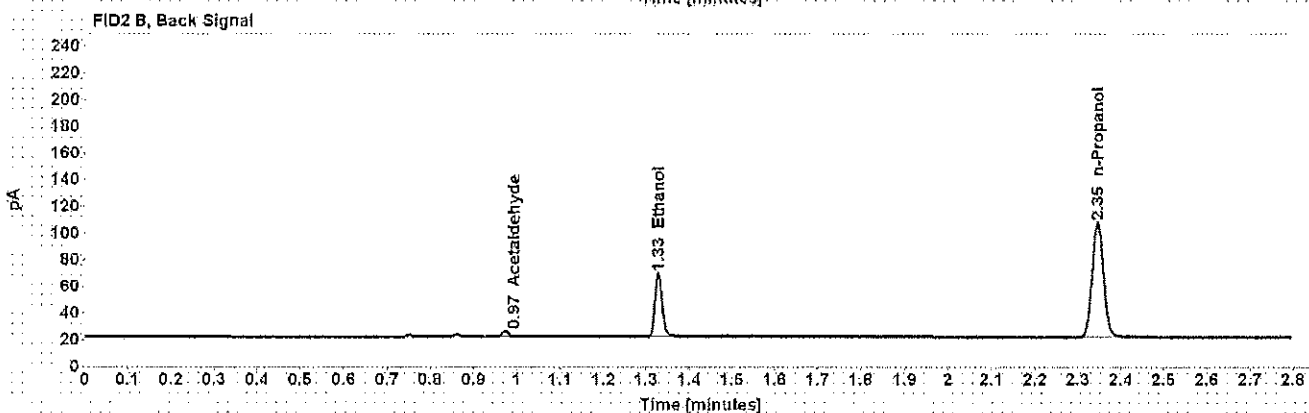
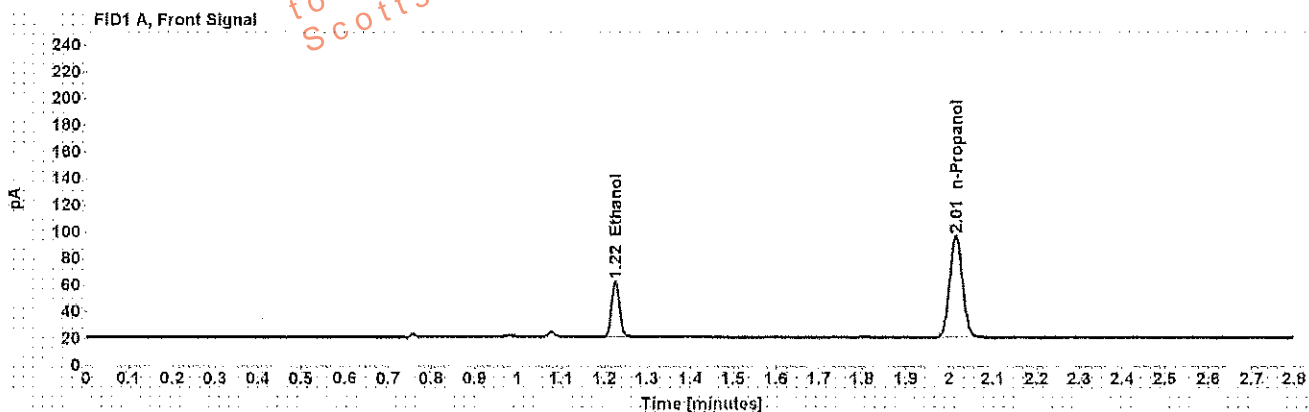


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0939	1.225	53.712
n-Propanol	-----	2.015	155.511

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.796
Ethanol	1.328	55.536
n-Propanol	2.346	159.924

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 51122581
<b>Injection date:</b> 12/30/2016 6:43:56 PM	<b>Vial:</b> 32
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\30Dec16\32.D	

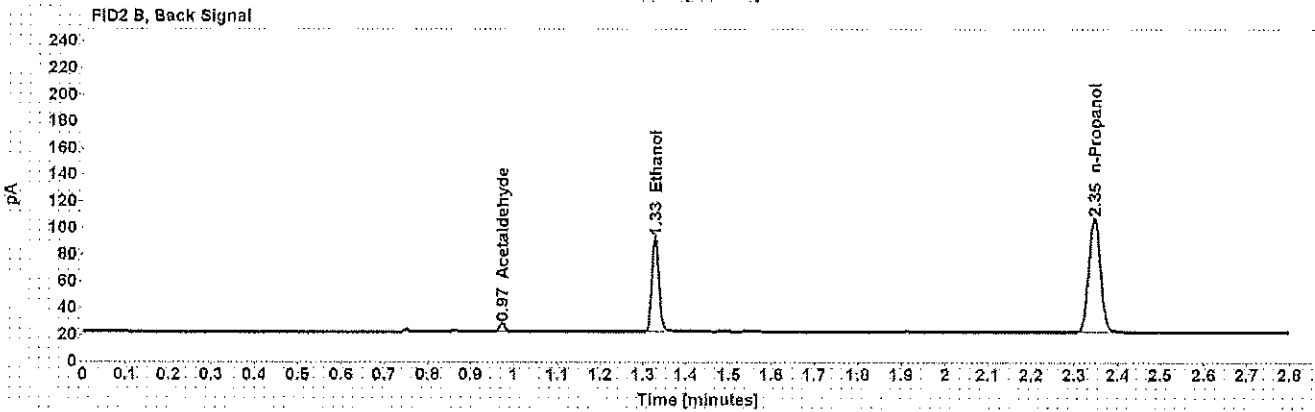
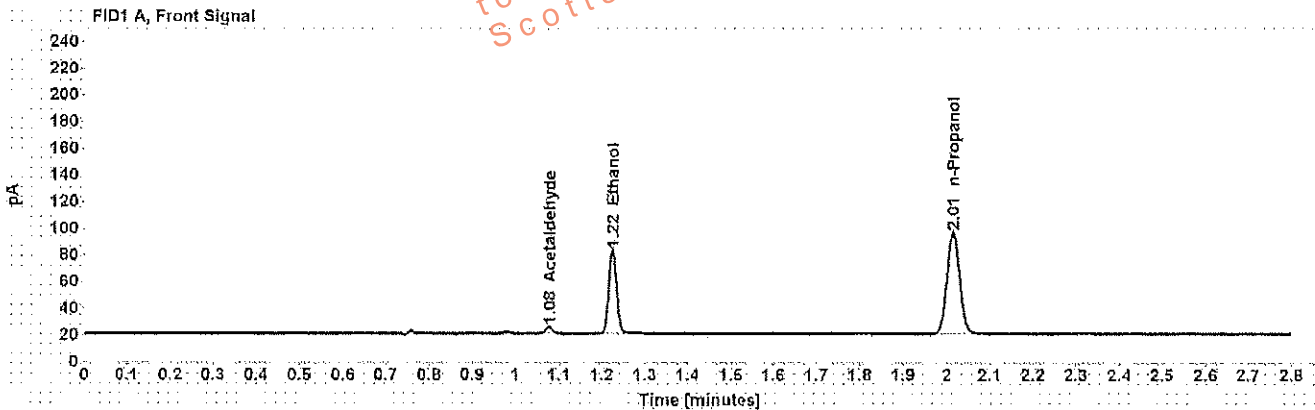


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.241
>Ethanol	0.1410	1.225	80.181
n-Propanol	-----	2.015	154.170

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.622
Ethanol	1.328	82.106
n-Propanol	2.346	158.714

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1122581
Injection date: 12/30/2016 6:47:56 PM	Vial: 33
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\30Dec16\33.D	

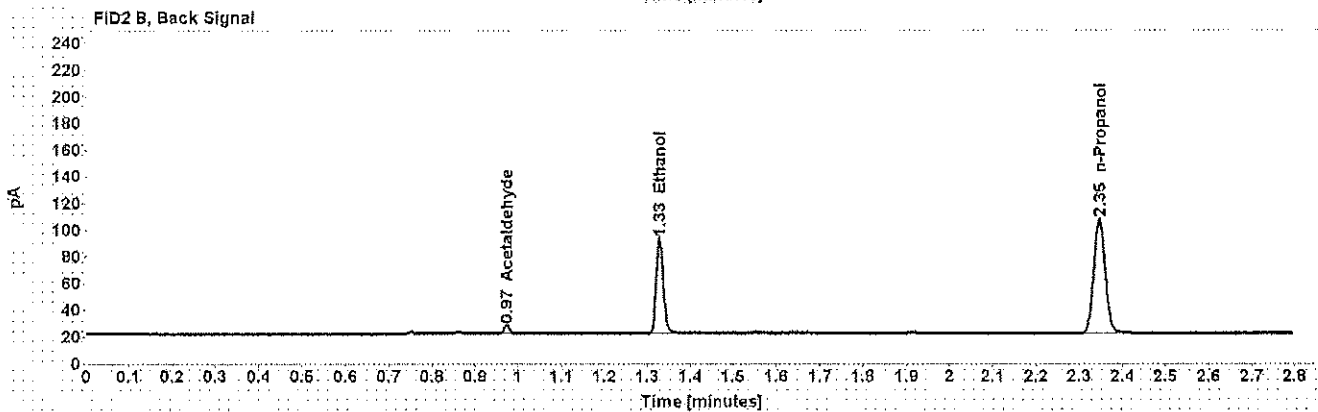
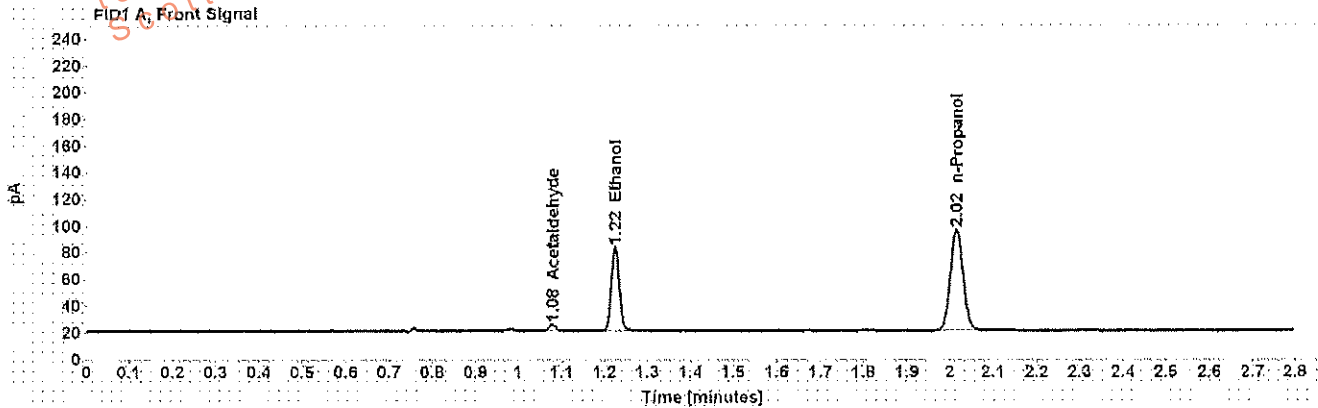


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.214
>Ethanol	0.1409	1.225	80.143
n-Propanol	-----	2.015	154.202

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.552
Ethanol	1.328	82.262
n-Propanol	2.346	158.913

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1125202
Injection date: 12/30/2016 6:51:56 PM	Vial: 34
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 GN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\30Dec16\34.D	

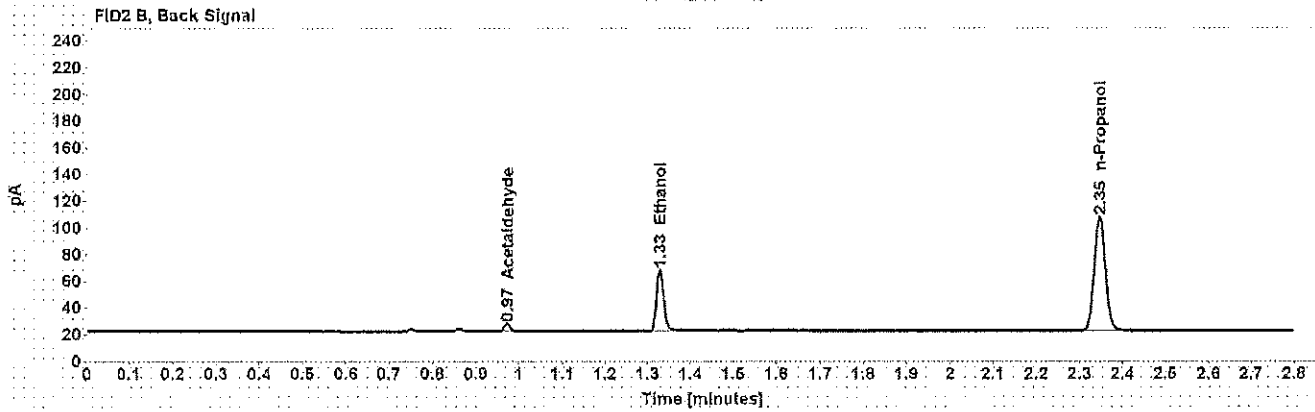
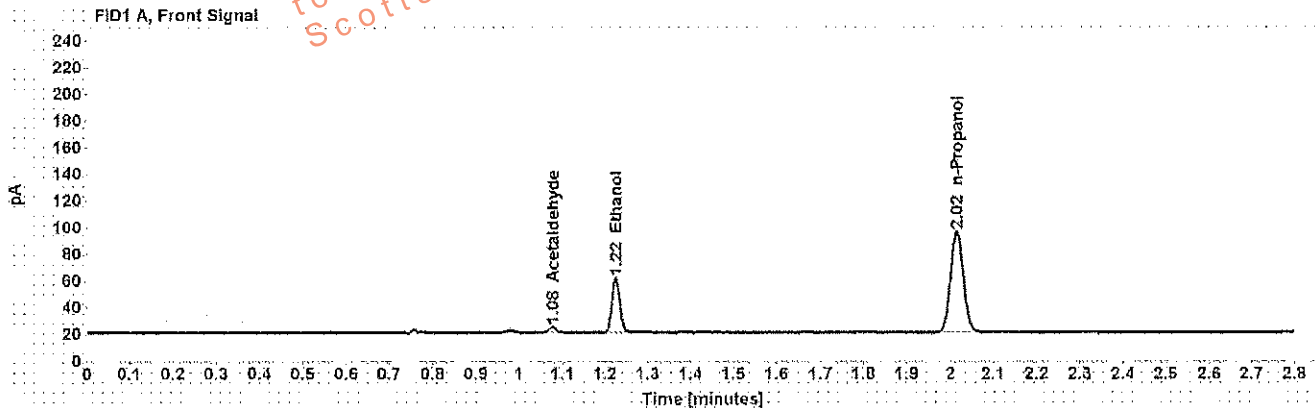


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.546
>Ethanol	0.0918	1.225	51.922
n-Propanol	-----	2.015	153.729

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.838
Ethanol	1.329	53.154
n-Propanol	2.346	158.393

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1125202
Injection date: 12/30/2016 6:55:56 PM	Vial: 35
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\30Dec16\35.D	

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Scottsdale City Prosecutor

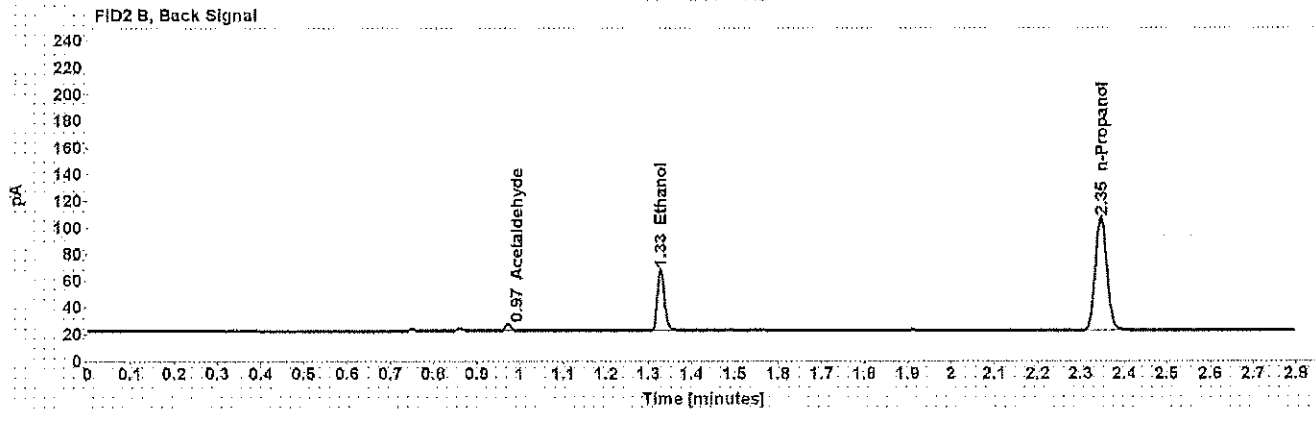
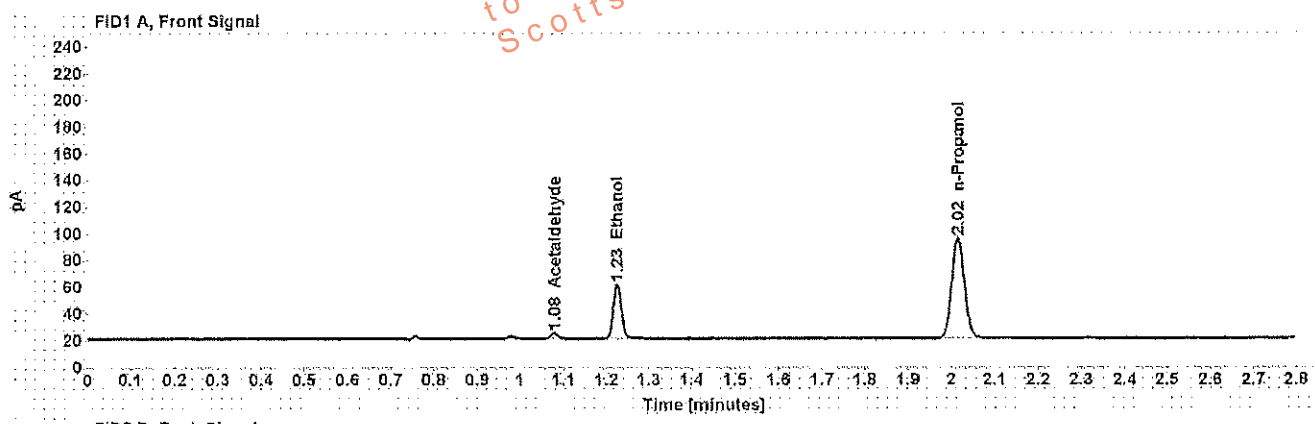


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.449
>Ethanol	0.0924	1.225	52.187
n-Propanol	-----	2.015	153.458

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.748
Ethanol	1.329	53.418
n-Propanol	2.346	158.169

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1125507
Injection date: 12/30/2016 6:59:56 PM	Vial: 36
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Dec16\36.D	

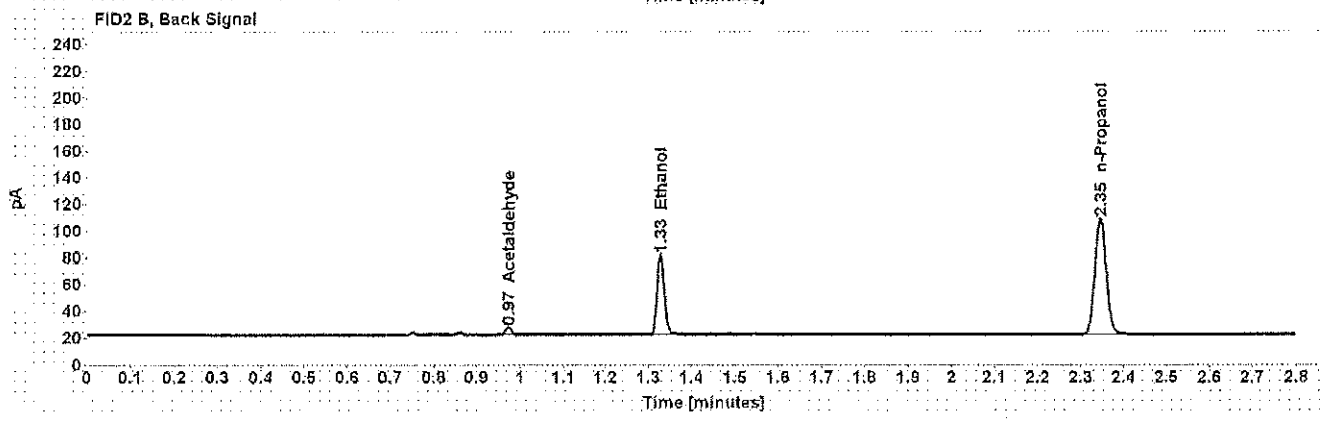
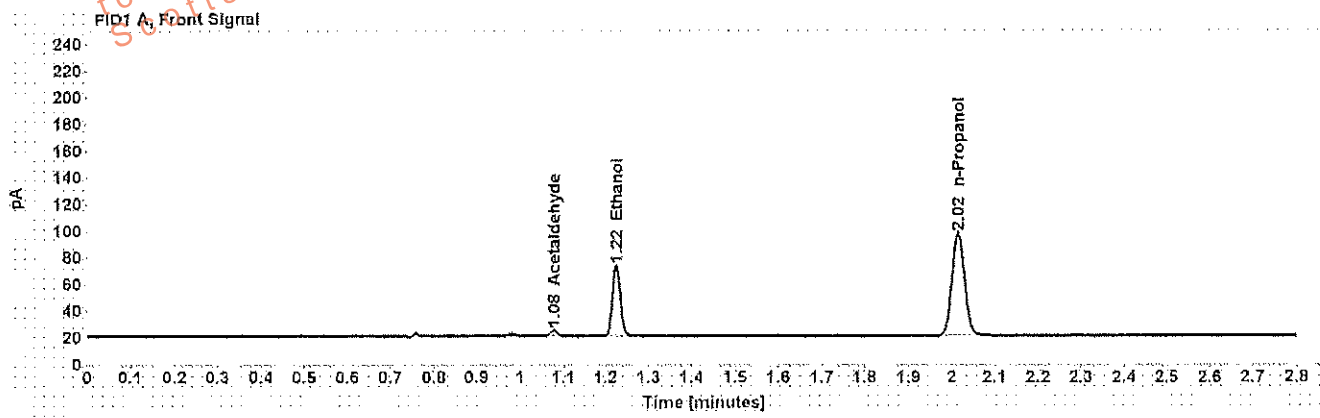


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.787
>Ethanol	0.1172	1.225	67.409
n-Propanol	-----	2.015	156.083

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.124
Ethanol	1.328	69.173
n-Propanol	2.346	160.753

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1125507
<b>Injection date:</b> 12/30/2016 7:04:11 PM	<b>Vial:</b> 37
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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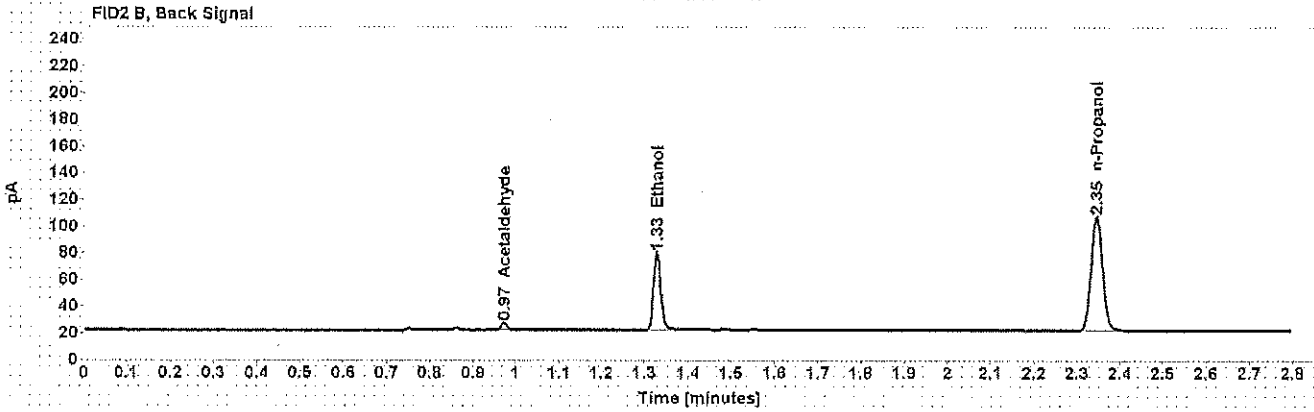
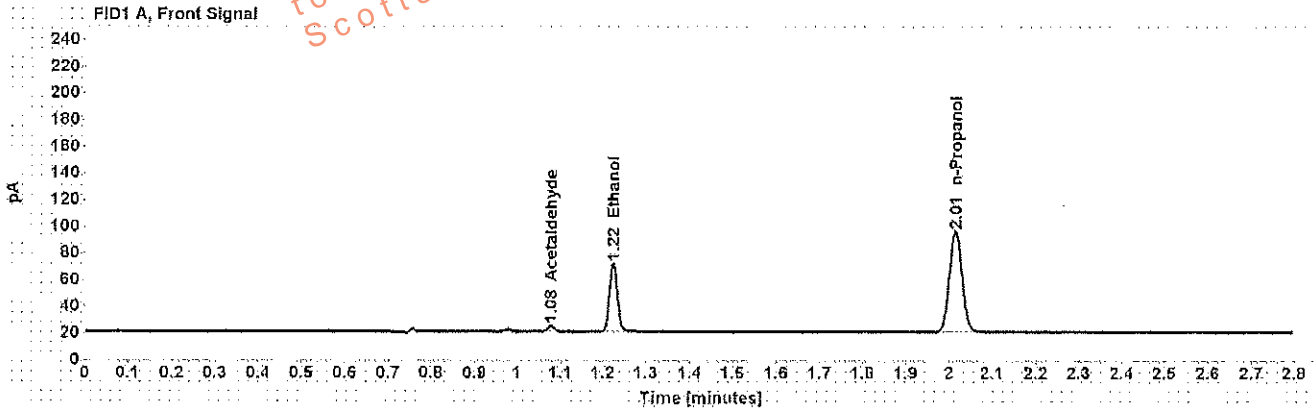


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.775
>Ethanol	0.1157	1.225	65.687
n-Propanol	-----	2.015	154.094

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.095
Ethanol	1.328	67.432
n-Propanol	2.346	158.788



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1125584
Injection date:	12/30/2016 7:08:11 PM	Vial:	38
Method:	ethanol quant.M	Sequence:	30Dec16
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\30Dec16\38.D		

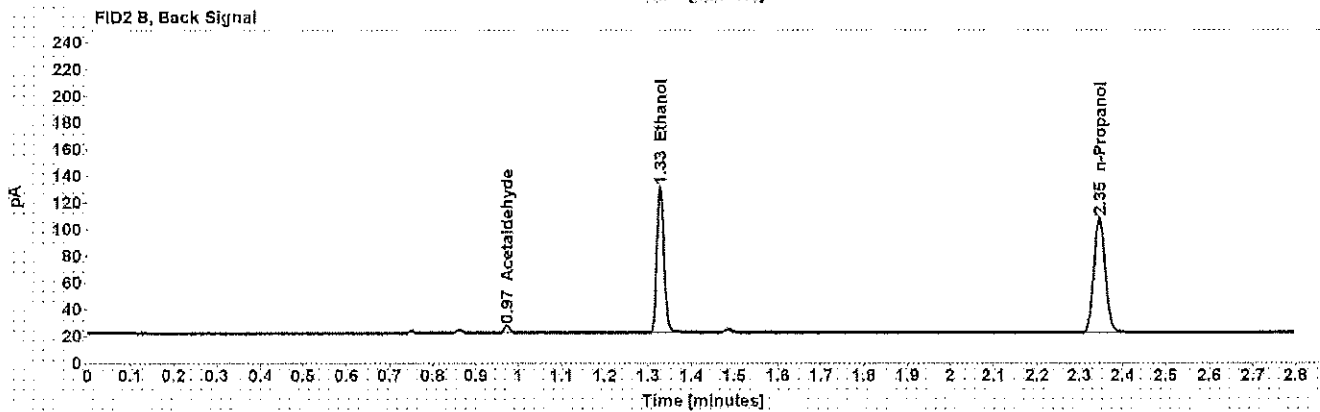
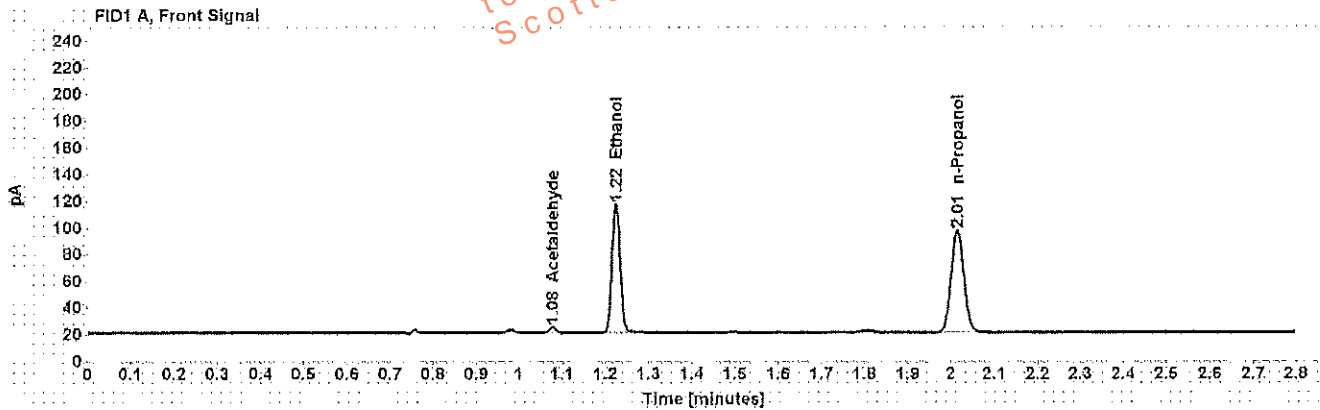


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.613
>Ethanol	0.2152	1.224	123.556
n-Propanol	-----	2.015	155.342

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.909
Ethanol	1.328	127.188
n-Propanol	2.346	159.946

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1125584
<b>Injection date:</b> 12/30/2016 7:12:11 PM	<b>Vial:</b> 39
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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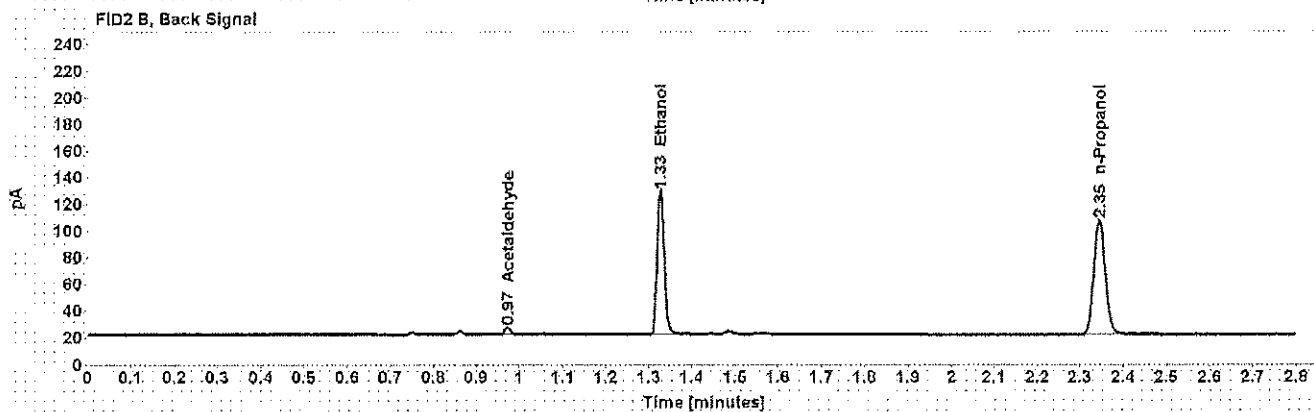
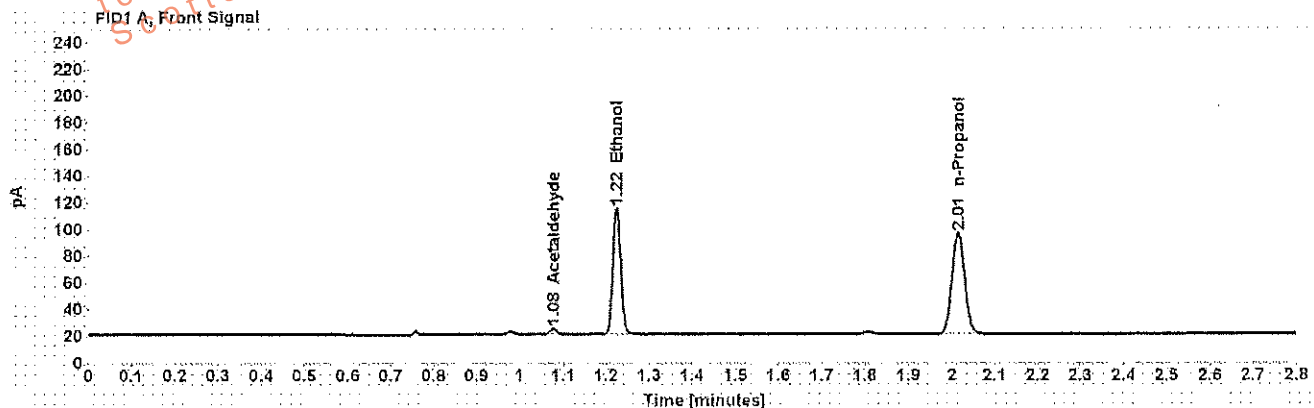


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.547
>Ethanol	0.2133	1.224	121.377
n-Propanol	-----	2.015	154.016

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.894
Ethanol	1.328	125.039
n-Propanol	2.346	158.752

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1124536
<b>Injection date:</b> 12/30/2016 7:16:11 PM	<b>Vial:</b> 40
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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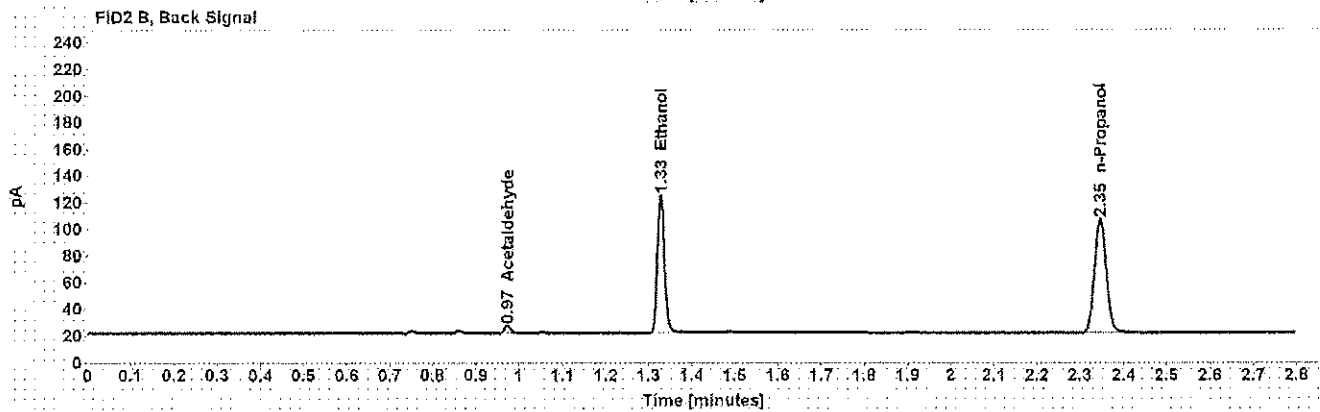
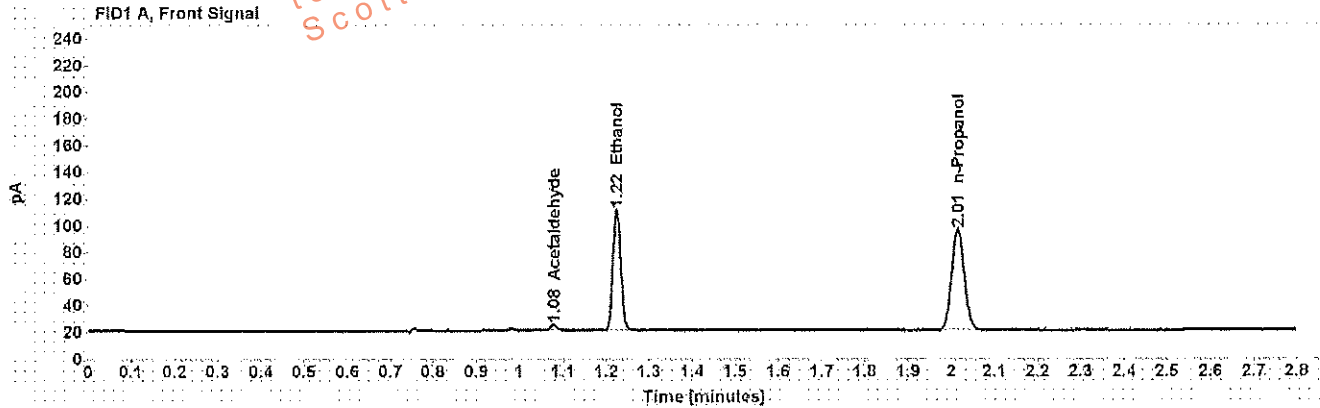


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.587
>Ethanol	0.2048	1.224	116.246
n-Propanol	-----	2.015	153.646

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.921
Ethanol	1.328	119.684
n-Propanol	2.346	158.311

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1124536
Injection date: 12/30/2016 7:20:11 PM	Vial: 41
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Dec16\41.D	

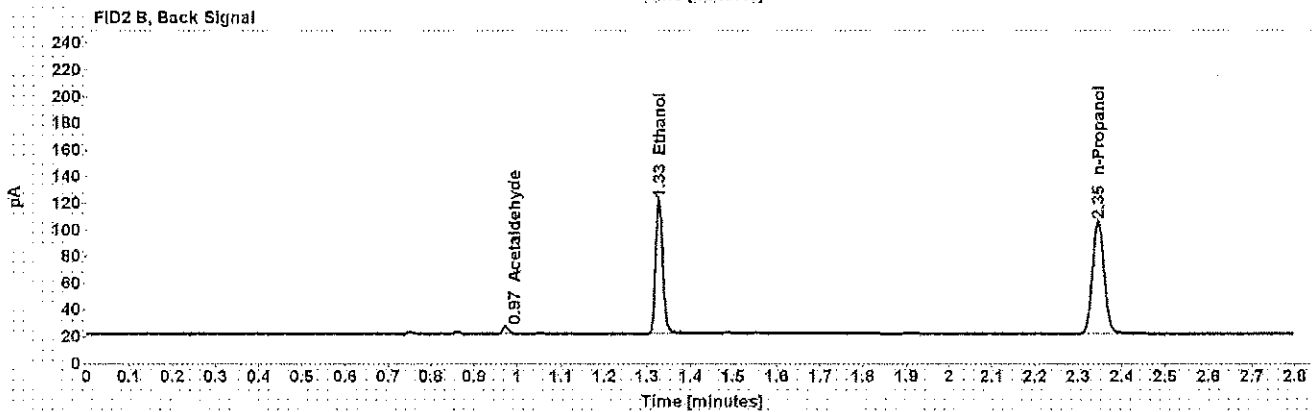
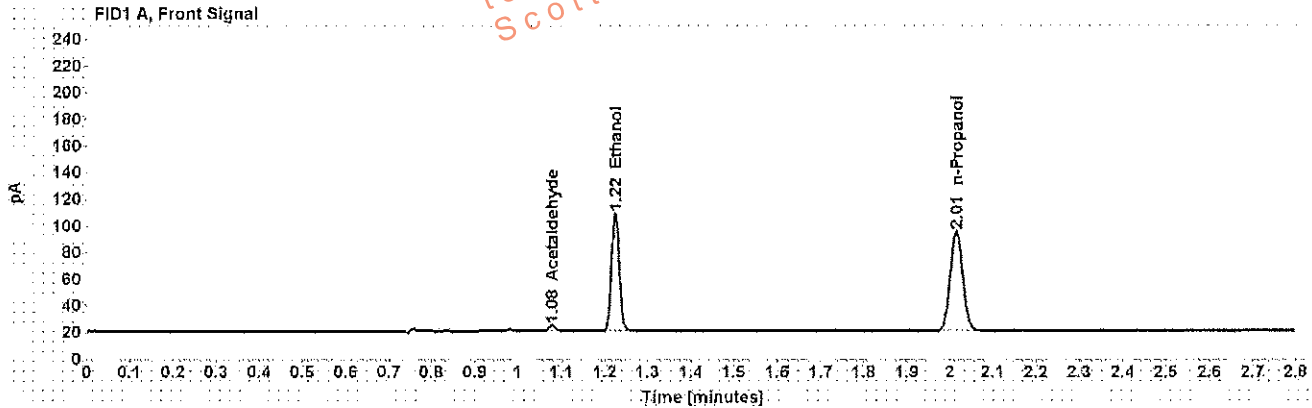


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.555
>Ethanol	0.2021	1.224	113.526
n-Propanol	-----	2.015	152.041

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.837
Ethanol	1.327	116.902
n-Propanol	2.345	156.612

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1126513
Injection date:	12/30/2016 7:28:26 PM	Vial:	43
Method:	ethanol quant.M	Sequence:	30Dec16
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\30Dec16\43.D		

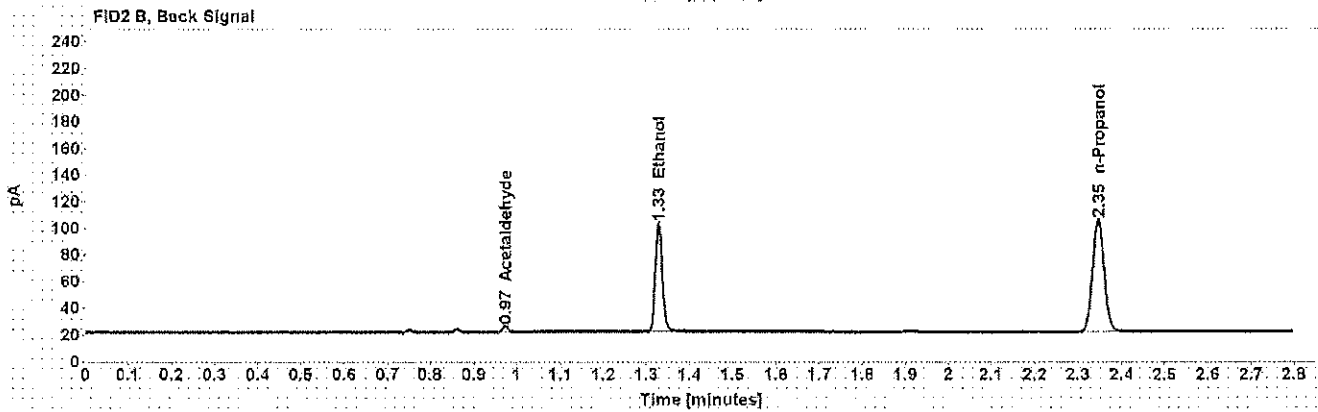
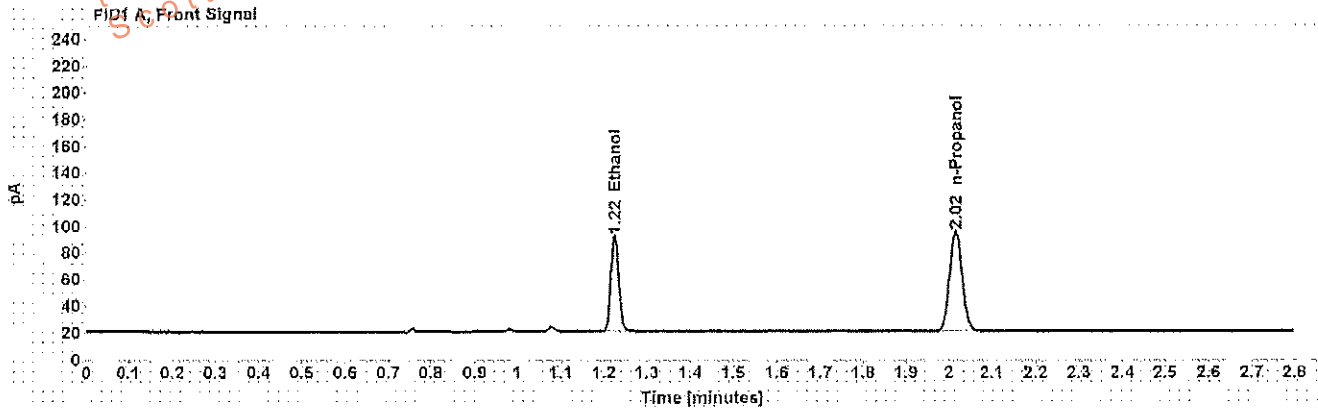


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1632	1.225	91.535
n-Propanol	-----	2.015	151.951

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.770
Ethanol	1.328	94.307
n-Propanol	2.346	156.516

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1126513
Injection date: 12/30/2016 7:32:26 PM	Vial: 44
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Dec16\44.D	

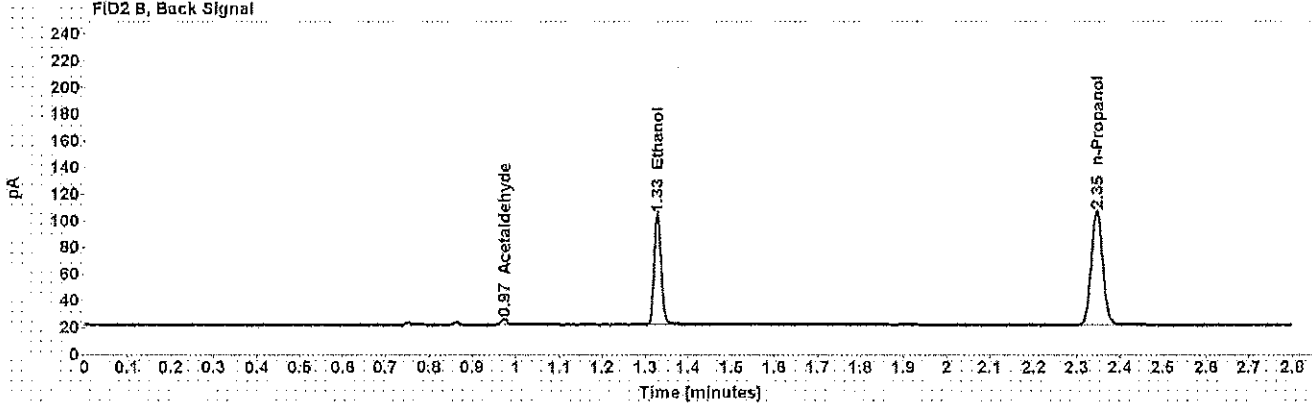
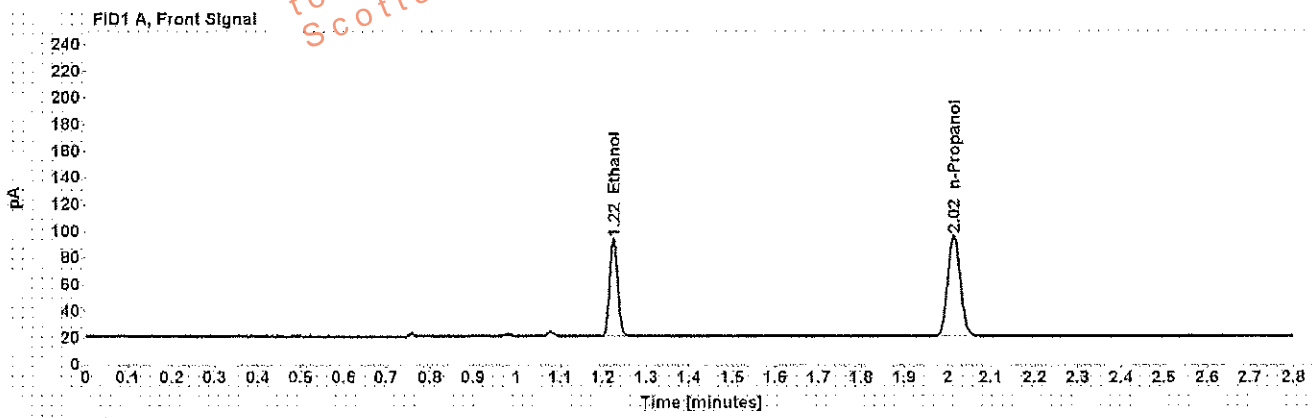


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1647	1.225	93.563
n-Propanol	-----	2.015	153.866

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.821
Ethanol	1.328	96.294
n-Propanol	2.346	158.600

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1078555
<b>Injection date:</b> 12/30/2016 7:36:26 PM	<b>Vial:</b> 45
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\30Dec16\45.D	

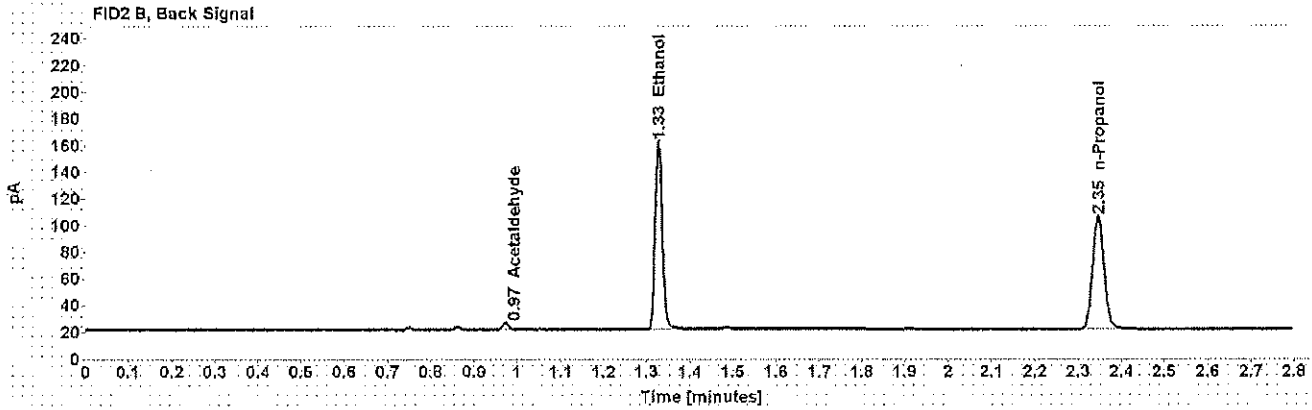
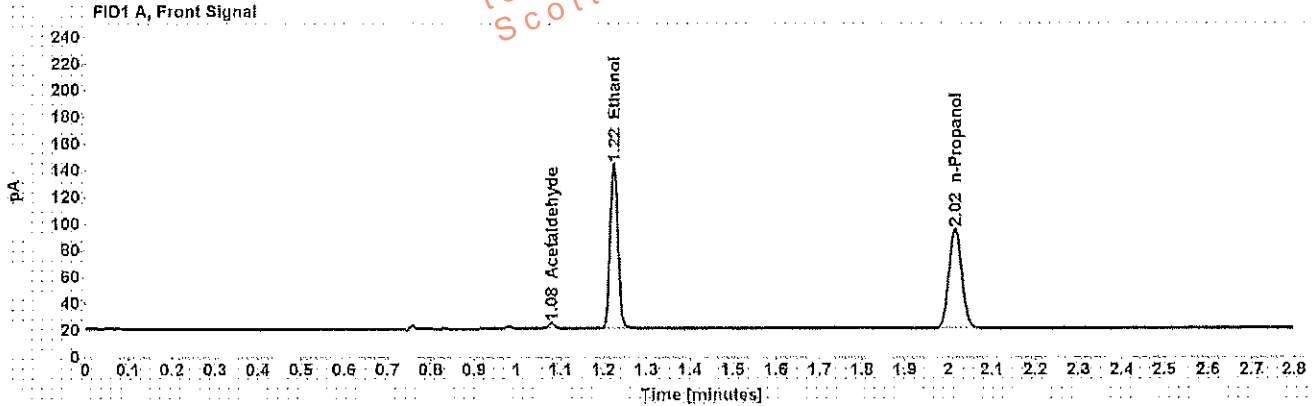


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.256
>Ethanol	0.2813	1.224	158.429
n-Propanol	-----	2.015	152.307

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.535
Ethanol	1.328	163.409
n-Propanol	2.346	156.934



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1078555
<b>Injection date:</b> 12/30/2016 7:40:26 PM	<b>Vial:</b> 46
<b>Method:</b> ethanol.quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\30Dec16\46.D	

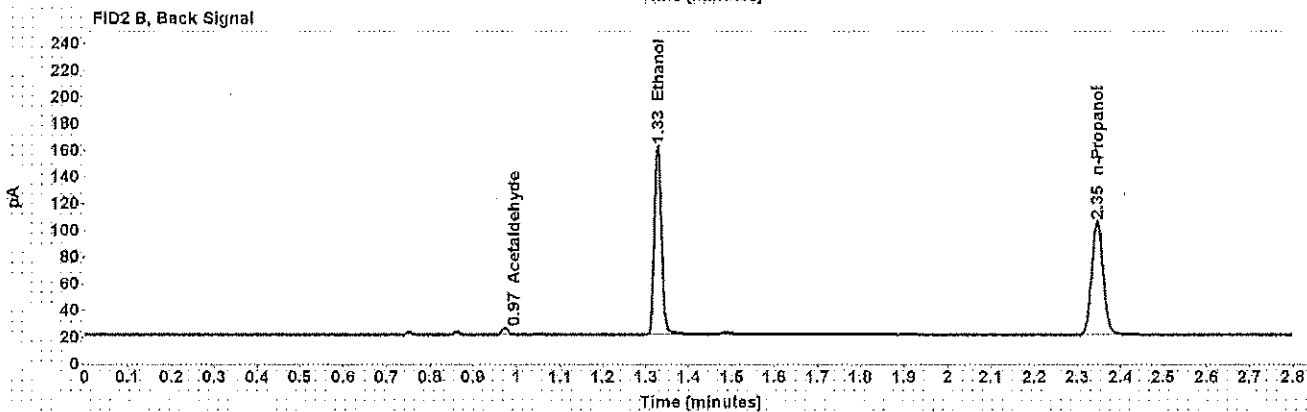
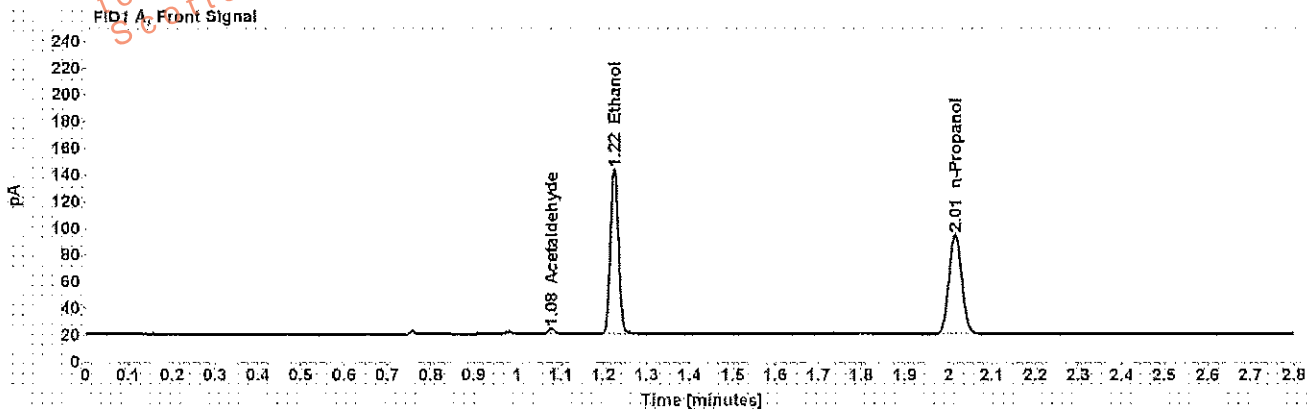


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.303
>Ethanol	0.2810	1.224	158.584
n-Propanol	-----	2.015	152.620

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.584
Ethanol	1.327	163.719
n-Propanol	2.346	157.368

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1088578
<b>Injection date:</b> 12/30/2016 7:44:26 PM	<b>Vial:</b> 47
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Dec16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\30Dec16\47.D	

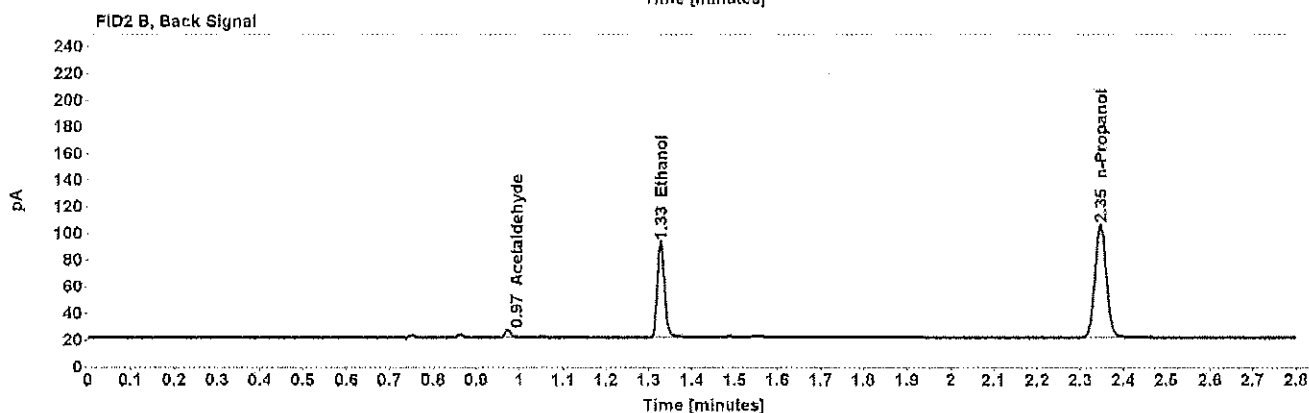
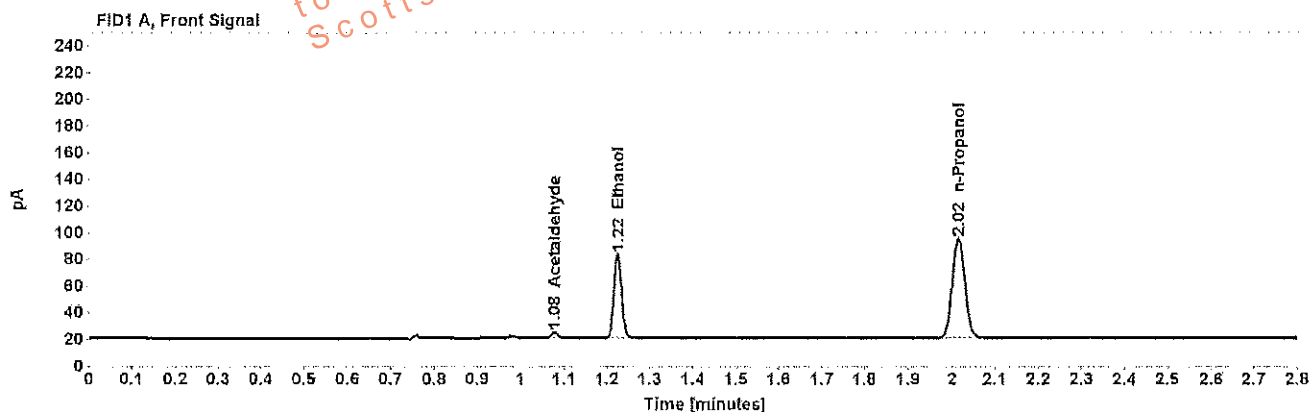


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.527
>Ethanol	0.1437	1.225	80.751
n-Propanol	-----	2.015	152.302

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.870
Ethanol	1.328	83.157
n-Propanol	2.346	157.162

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1088578
Injection date: 12/30/2016 7:48:26 PM	Vial: 48
Method: ethanol quant.M	Sequence: 30Dec16
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Dec16\48.D	

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Scottsdale City Prosecutor

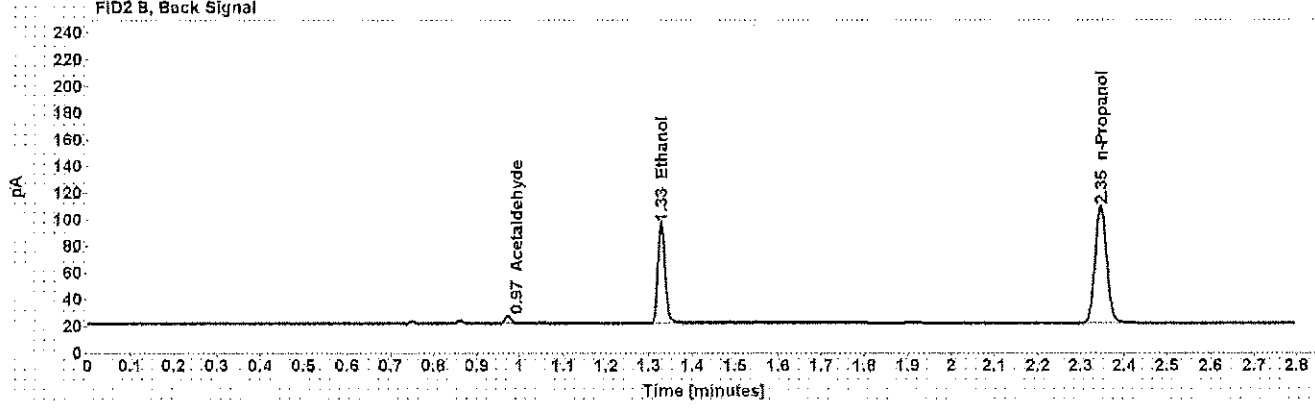
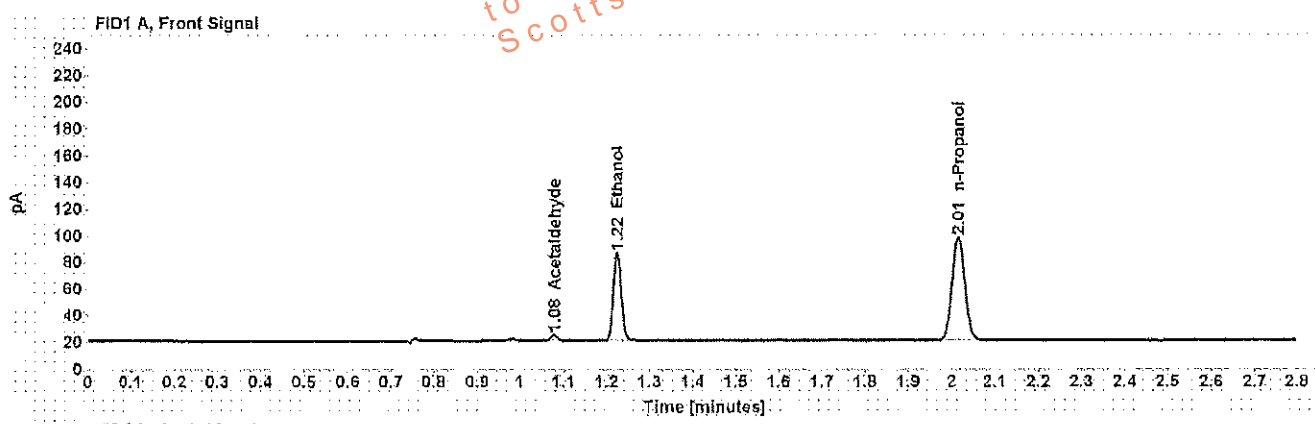


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.620
>Ethanol	0.1446	1.225	84.323
n-Propanol	-----	2.015	158.038

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.939
Ethanol	1.328	86.884
n-Propanol	2.346	163.056