

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/23/2017 SEQUENCE NAME 23Oct17

### EQUIPMENT

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

### INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN06181501 0.99999  
 Vial 3 0.20 calibrator Lot FN07201502  
 Vial 4 0.40 calibrator Lot FN11191402

### CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 090517
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.201 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.155 g/dL	Lipomed 09022015-C
42	Blood control	0.198 g/dL	0.201 g/dL	ACQ 407041529/3
49	Aqueous control	0.400 g/dL	0.409 g/dL	Lipomed 08012015-C
50	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 09022015-A
51	Blood control	0.198 g/dL	0.204 g/dL	ACQ 407041529/3
52	Blank	Not detected	Not detected	SPD lab 090517

### SUBJECT SAMPLES

Subjects in the sequence 17 Subjects requiring reanalysis 1

**ADDITIONAL NOTES:** One subject sample reanalyzed, due to a peak in column A being consistent with the presence of toluene in the lithium/heparin separated serum tube in the preceding sample. Includes verification testing for one new control lot.

Run valid  Run invalid  JAB1570 10/26/17 Analyst  
 Run valid  Run invalid  KOSECKI 10/30/17 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

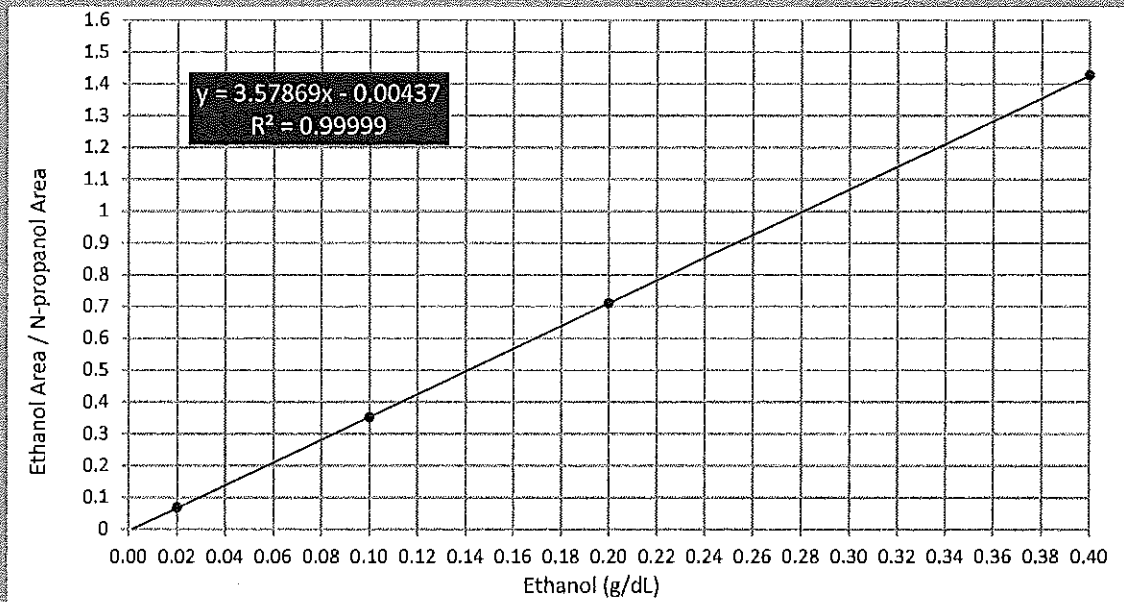
SEQUENCE NAME: 23Oct17

ANALYST: Adrian WA

Sample Name	Vol	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 090517	5	negative	negative	-	-
0.400 Lipomed 09022015-C	7	0.402	0.400	0.50	0.002
0.040 Lipomed 09022015-A	8	0.040	0.040	0.00	0.000
0.198 ACQ 407041529/3	9	0.201	0.198	1.52	0.003
0.080 Lipomed 28082014-B	20	0.080	0.080	0.00	0.000
0.150 Lipomed 09022015-C	31	0.155	0.150	3.33	0.005
0.198 ACQ 407041529/3	42	0.201	0.198	1.52	0.003
0.400 Lipomed 08012015-C	49	0.409	0.400	2.25	0.009
0.040 Lipomed 09022015-A	50	0.041	0.040	2.50	0.001
0.198 ACQ 407041529/3	51	0.204	0.198	3.03	0.006
blank 090517	52	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.470	181.100	0.069
0.100	64.716	183.937	0.352
0.200	127.704	179.686	0.711
0.400	260.076	182.156	1.428

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 10/23/2017 3:40:38 PM	Vial: 1
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\1.D	

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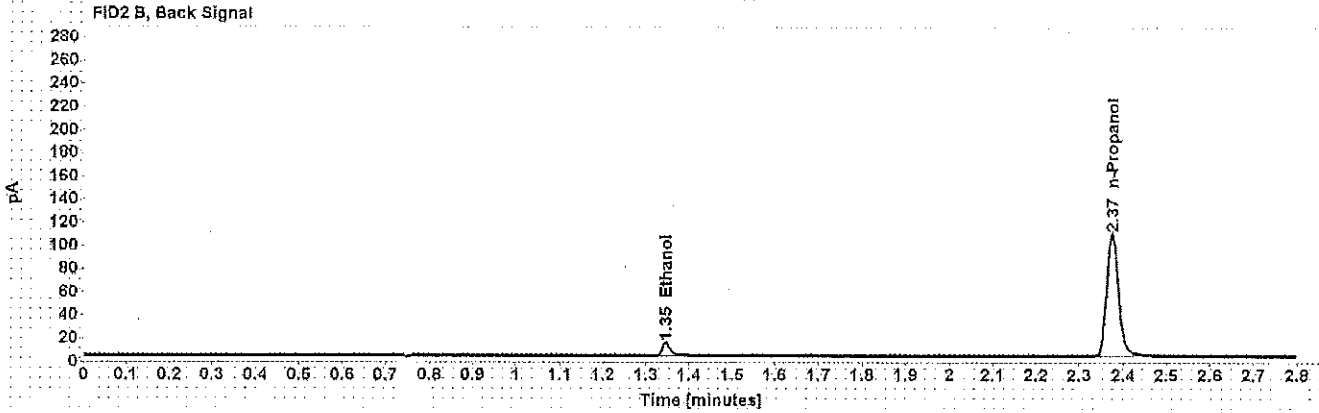
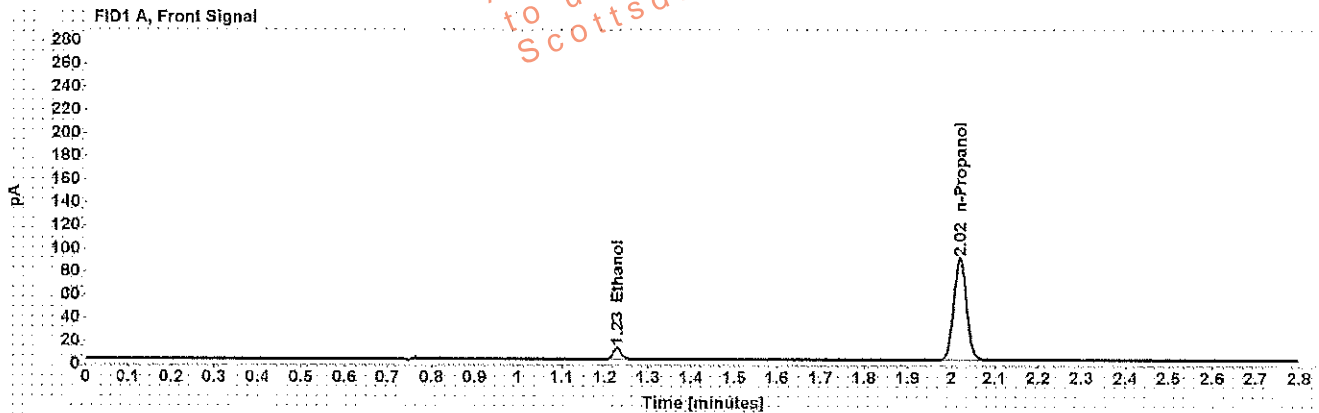


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.228	12.470
n-Propanol	2.019	181.001

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

Compound	Time (min)	Peak Area
Ethanol	1.346	14.142
n-Propanol	2.374	204.991

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> 0.100 Cerilliant FN06181501	<b>Item number:</b>
<b>Injection date:</b> 10/23/2017 3:44:39 PM	<b>Vial:</b> 2
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\23Oct17\2.D	

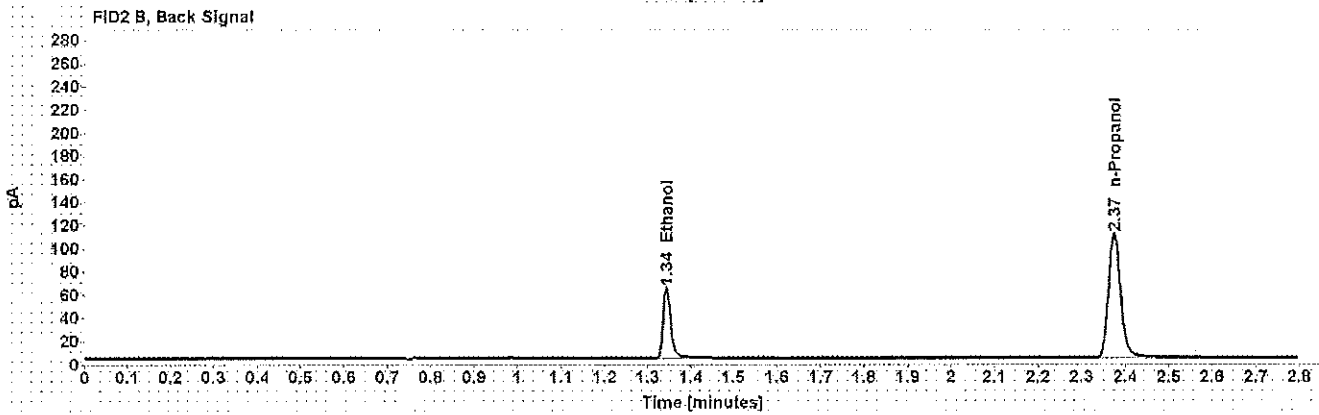
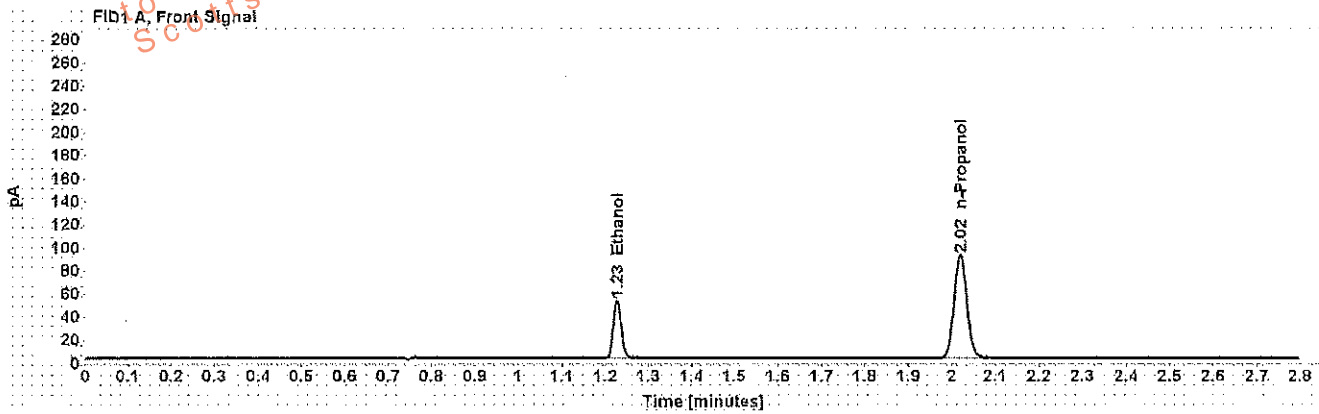


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.227	64.716
n-Propanol	2.019	183.937

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

Compound	Time (min)	Peak Area
Ethanol	1.343	74.966
n-Propanol	2.374	208.089

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 10/23/2017 3:48:39 PM	Vial: 3
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1>Data\23Oct17\3.D	

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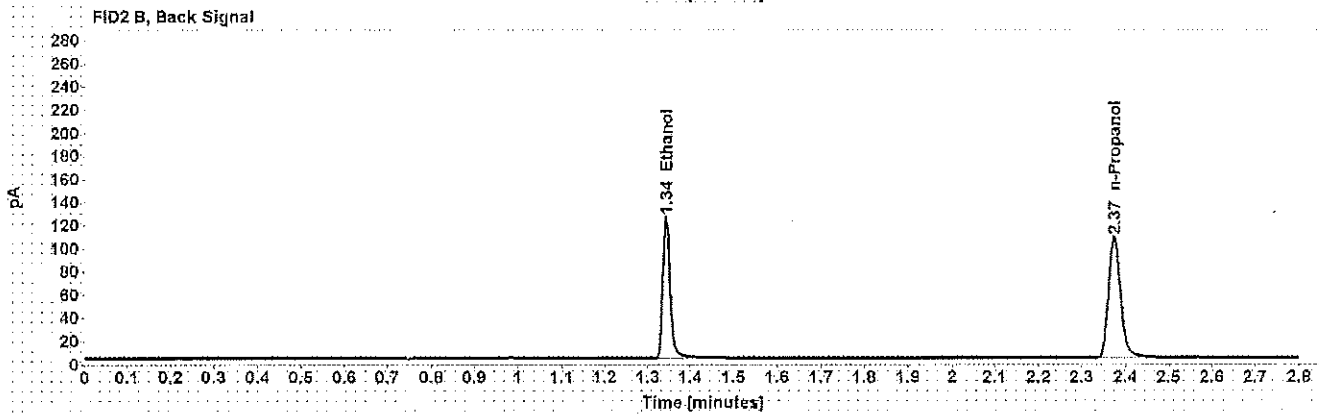
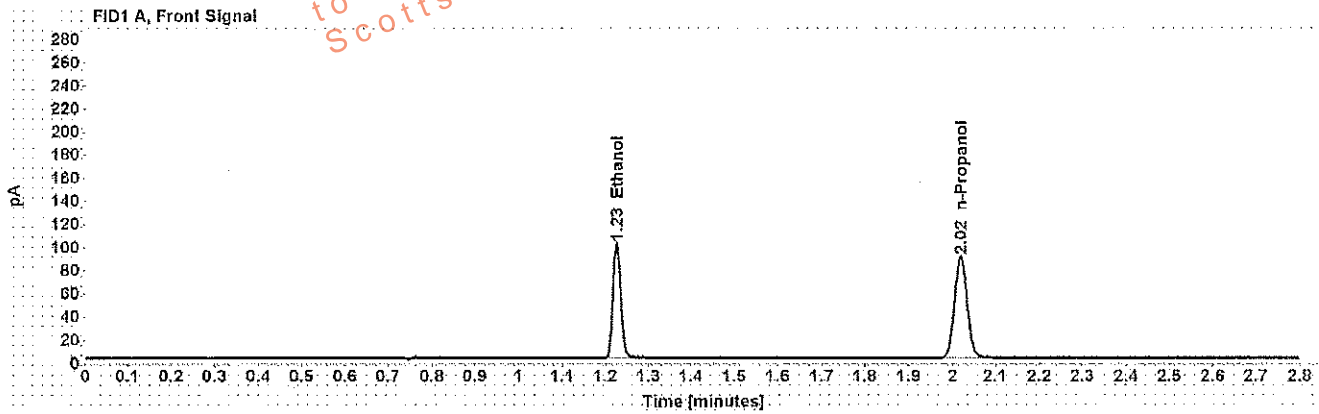


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	127.704
n-Propanol	2.019	179.686

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

Compound	Time (min)	Peak Area
Ethanol	1.343	148.956
n-Propanol	2.374	203.003

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 10/23/2017 3:52:38 PM	Vial: 4
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\23Oct17\4.D	

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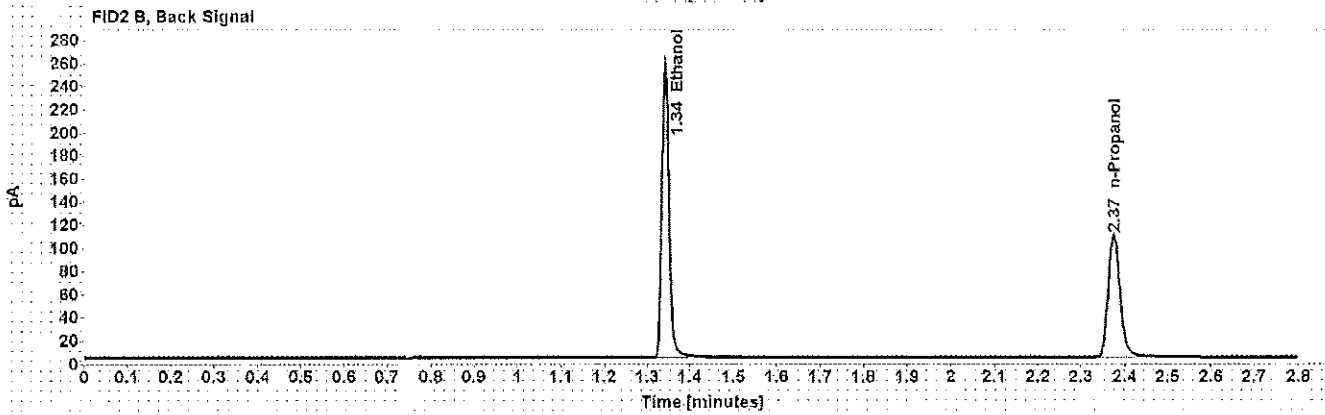
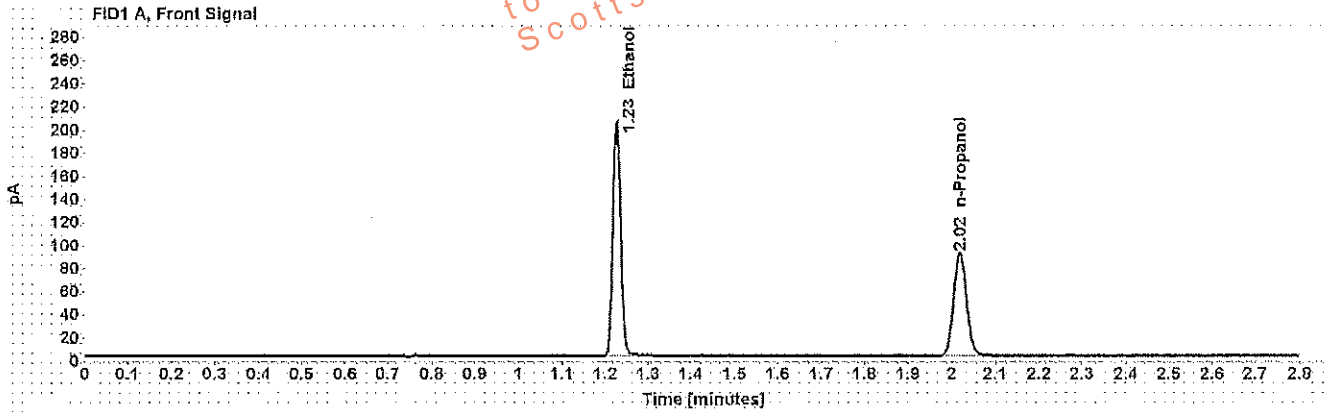


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	260.076
n-Propanol	2.019	182.156

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

Compound	Time (min)	Peak Area
Ethanol	1.342	305.026
n-Propanol	2.375	205.484

# Scottsdale Police Department Crime Lab Volatiles Analysis

WAT

<b>Sample:</b> blank 090517	<b>Item number:</b>
<b>Injection date:</b> 10/23/2017 3:56:38 PM	<b>Vial:</b> 5
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14175023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\23Oct17\5.D	

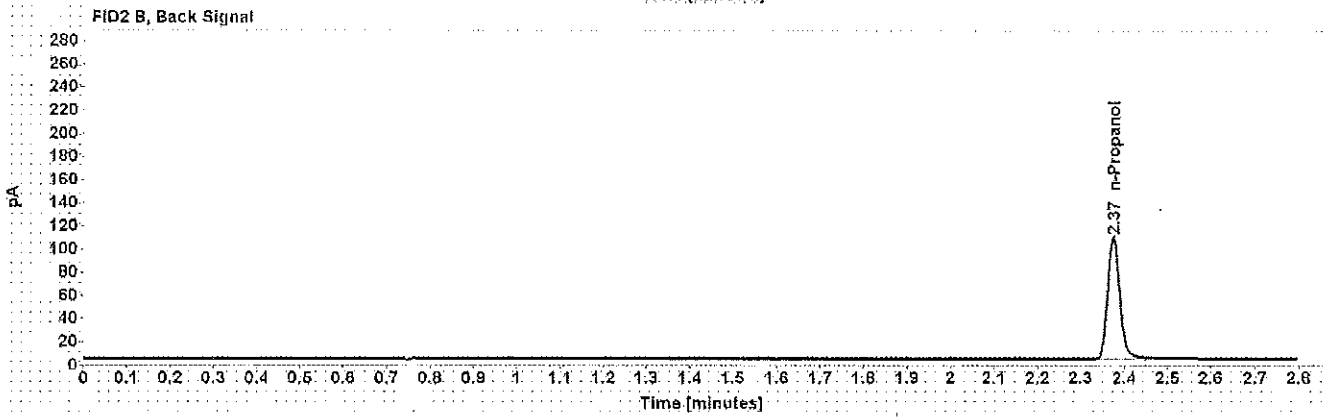
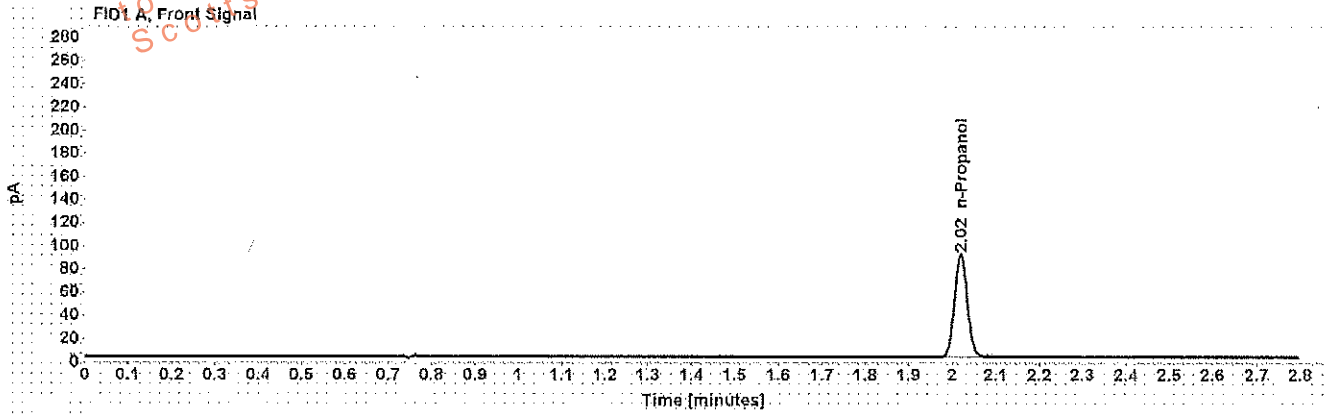


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.019	182.226

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

Compound	Time (min)	Peak Area
n-Propanol	2.374	204.953

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: volatiles mix 020917 WLA	Item number:
Injection date: 10/23/2017 4:00:38 PM	Vial: 6
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\23Oct17\6.D	

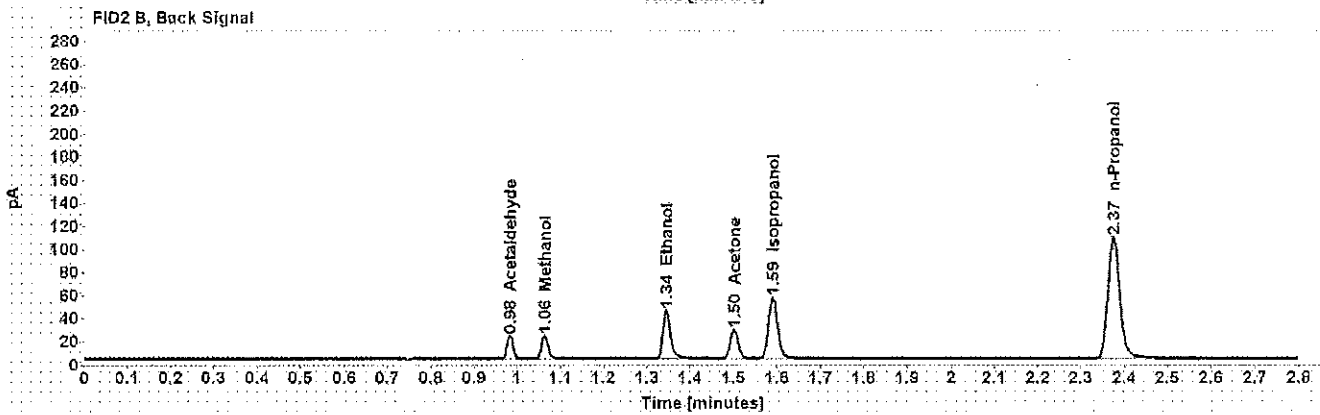
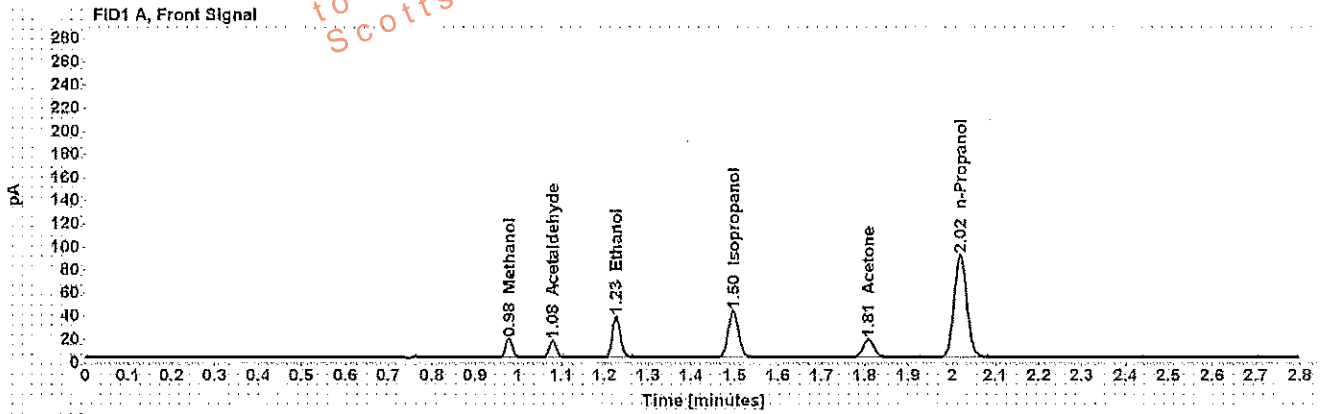


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.978	18.184
Acetaldehyde	-----	1.080	15.673
>Ethanol	0.0710	1.227	45.157
Isopropanol	-----	1.497	65.127
Acetone	-----	1.808	27.602
n-Propanol	-----	2.019	180.951

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	19.018
Methanol	1.063	20.890
Ethanol	1.344	51.660
Acetone	1.501	31.179
Isopropanol	1.590	77.567
n-Propanol	2.374	203.815



# Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 10/23/2017 4:04:53 PM	Vial: 7
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\23Oct17\7.D	

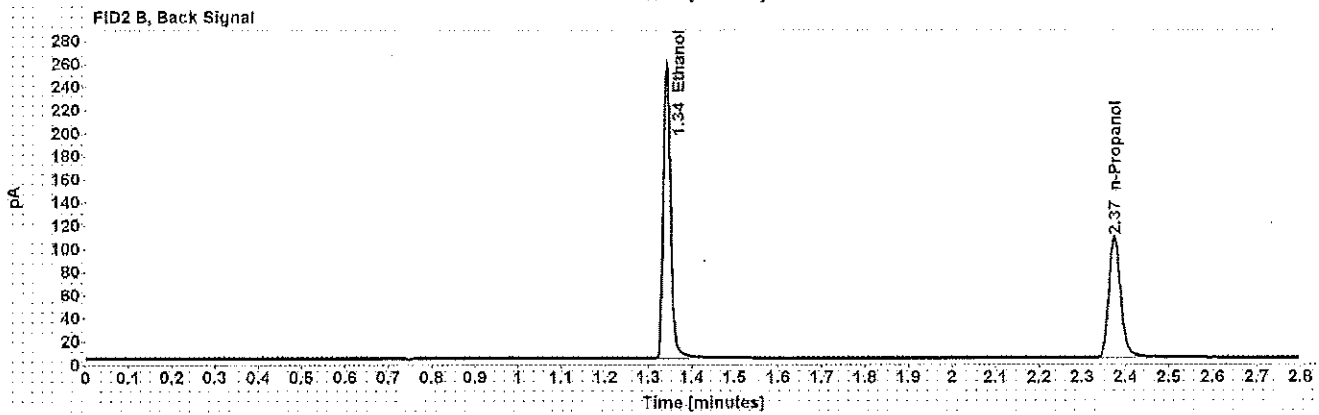
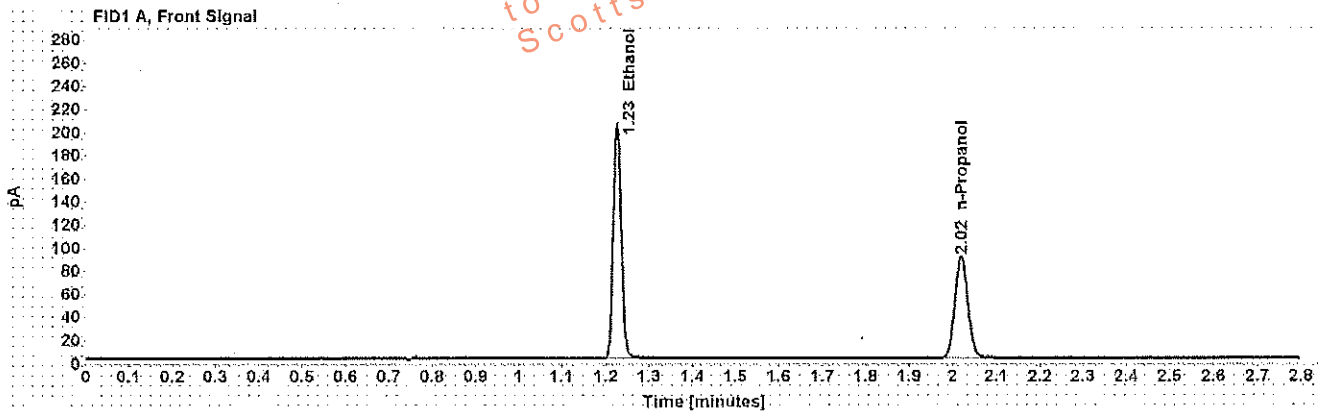


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4020	1.226	258.524
n-Propanol	-----	2.019	180.264

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

Compound	Time (min)	Peak Area
Ethanol	1.342	303.177
n-Propanol	2.375	203.215

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.040 Lipomed 09022015-A	<b>Item number:</b>
<b>Injection date:</b> 10/23/2017 4:08:54 PM	<b>Vial:</b> 8
<b>Method:</b> ethanol quant M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\23Oct17\8.D	

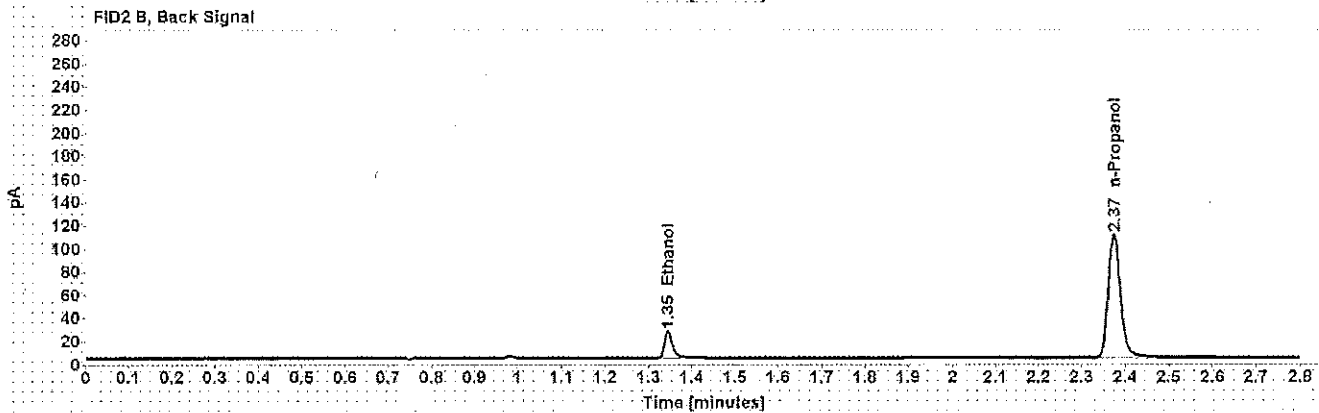
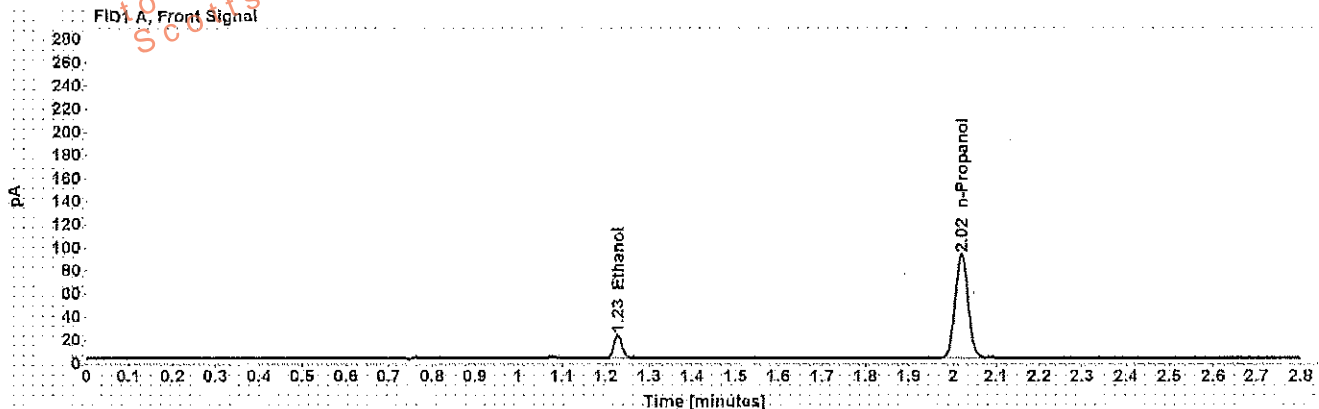


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.228	25.814
n-Propanol	-----	2.019	184.783

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

Compound	Time (min)	Peak Area
Ethanol	1.345	29.330
n-Propanol	2.375	208.156

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 10/23/2017 4:12:54 PM	Vial: 9
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\23Oct17\9.D	

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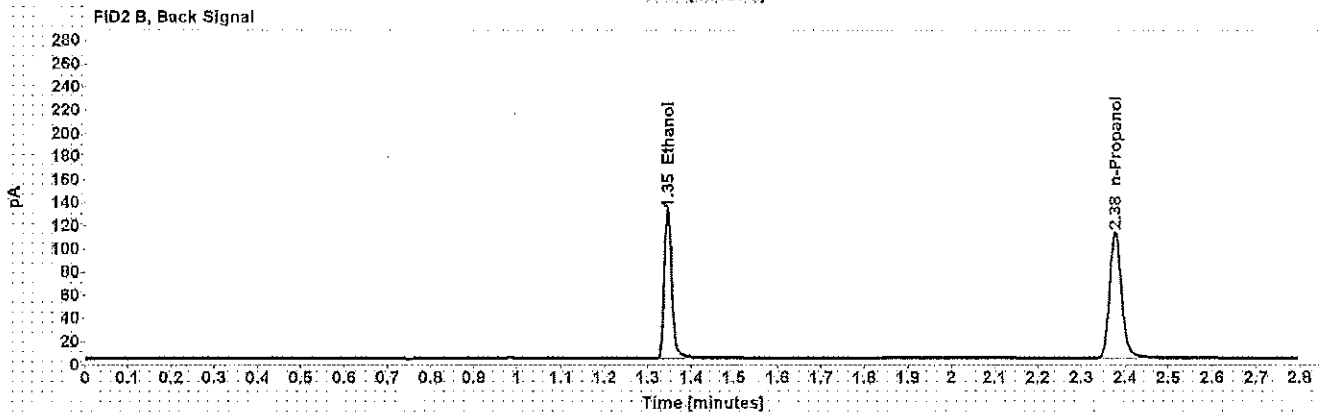
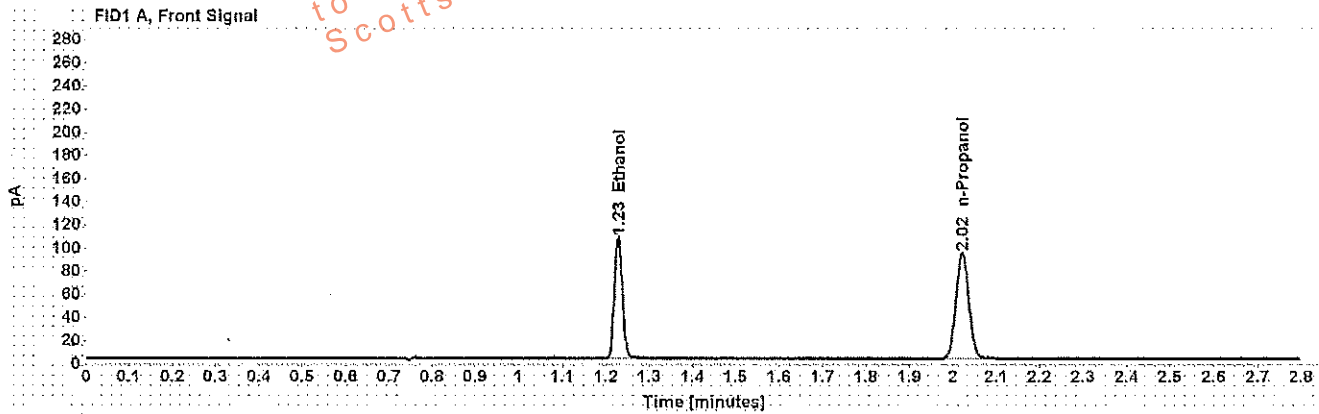


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2019	1.228	134.826
n-Propanol	-----	2.021	187.727

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

Compound	Time (min)	Peak Area
Ethanol	1.345	156.715
n-Propanol	2.377	211.685

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 28082014-B	Item number: _____
Injection date: 10/23/2017 4:57:24 PM	Vial: 20
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\23Oct17\20.D	

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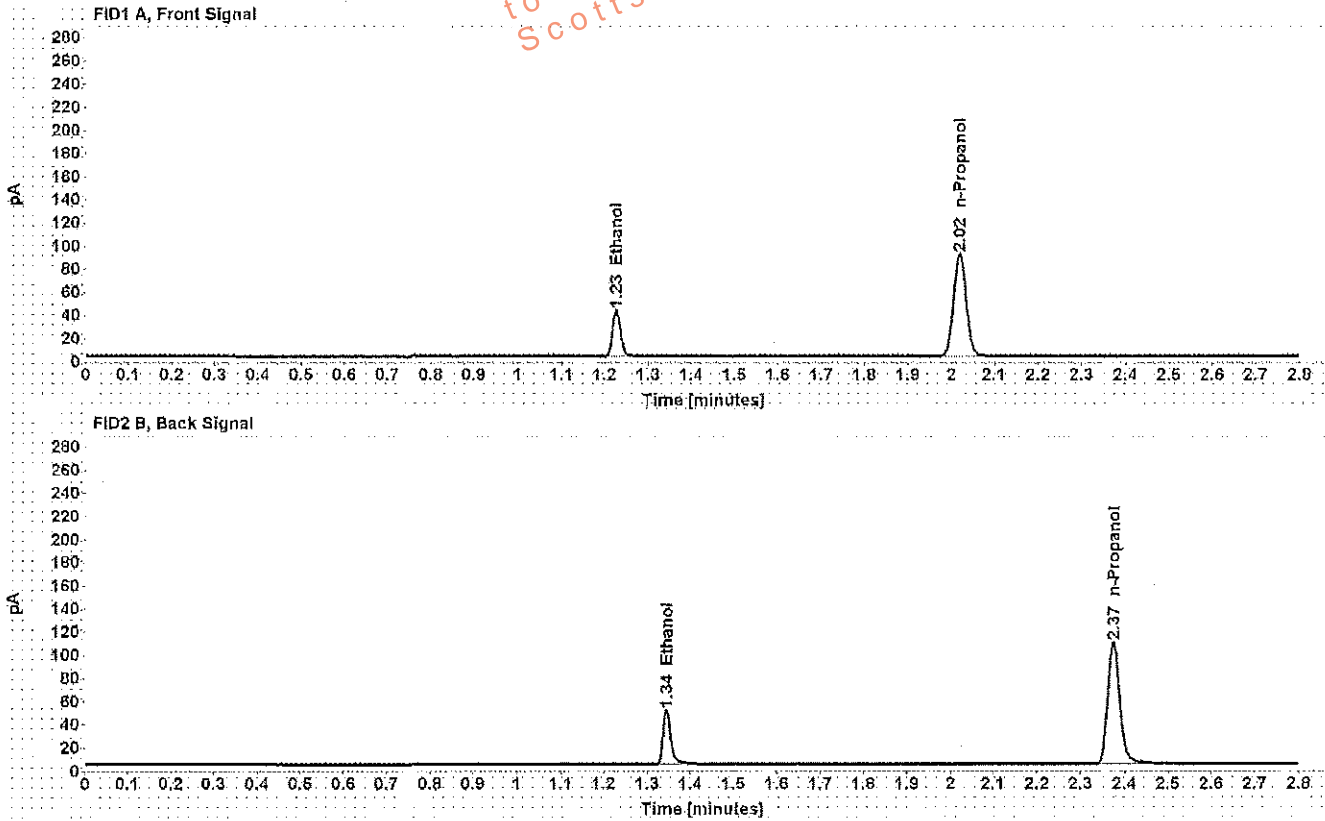


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0802	1.227	51.120
n-Propanol	-----	2.020	180.970

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

Compound	Time (min)	Peak Area
Ethanol	1.344	58.831
n-Propanol	2.375	204.296

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.150 Lipomed 09Q22015-C	Item number:
Injection date: 10/23/2017 5:41:54 PM	Vial: 31
Method: ethanol quant M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\31.D	

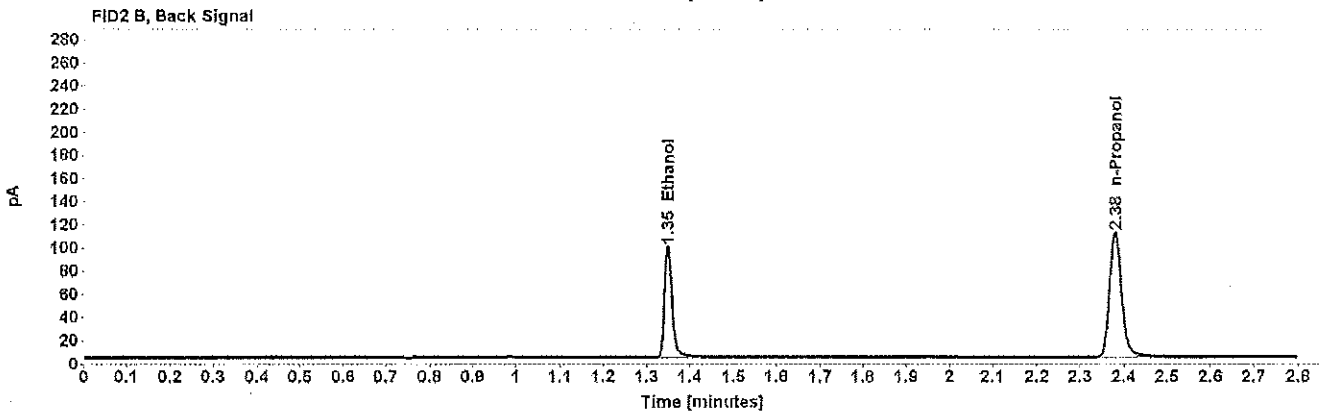
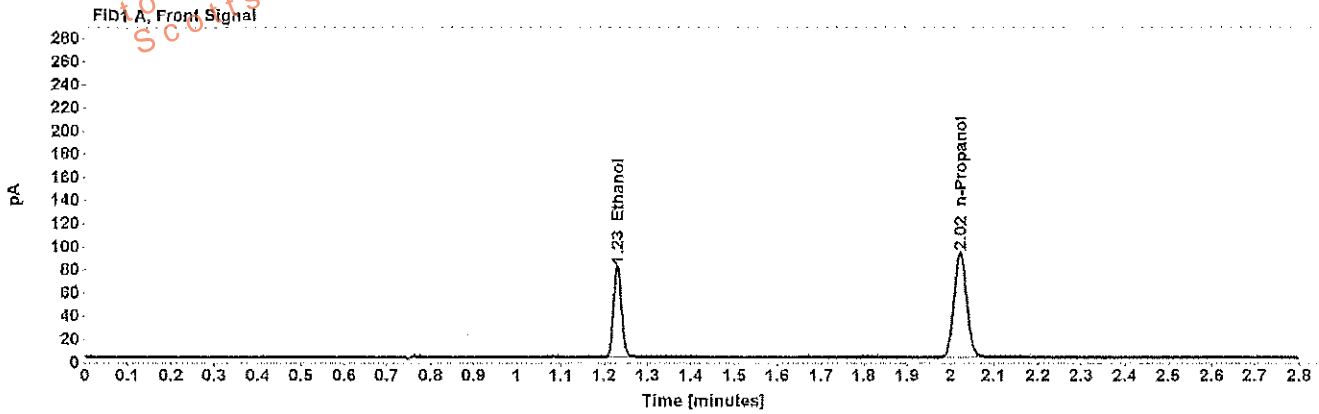


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1554	1.231	102.575
n-Propanol	-----	2.023	185.932

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

Compound	Time (min)	Peak Area
Ethanol	1.349	119.003
n-Propanol	2.380	209.613

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 10/23/2017 6:26:09 PM	Vial: 42
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
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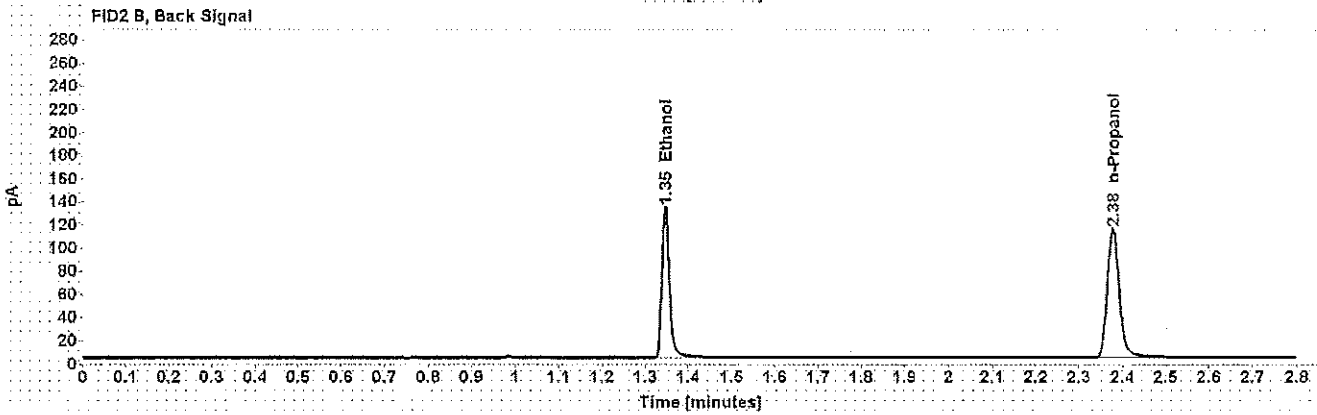
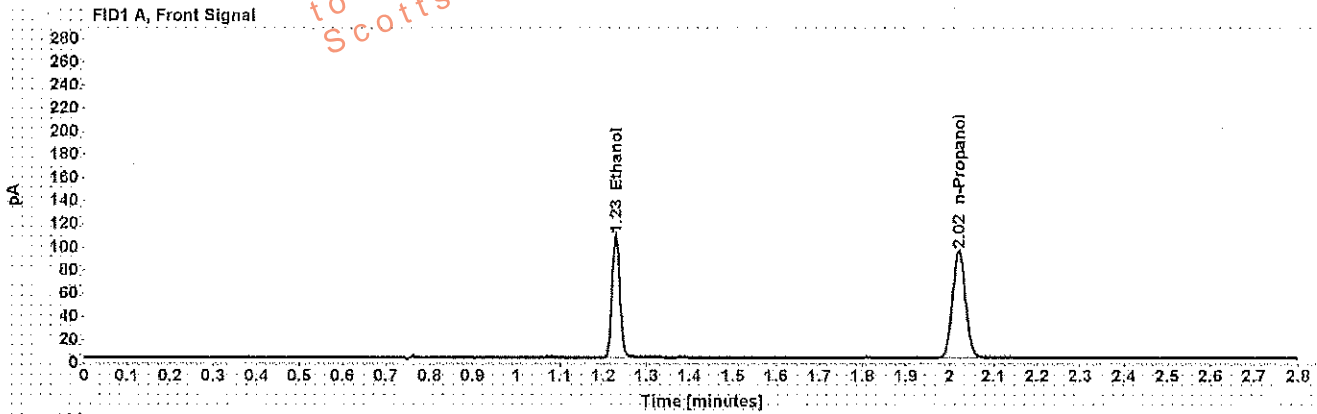


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2016	1.228	136.184
n-Propanol	-----	2.021	189.923

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

Compound	Time (min)	Peak Area
Ethanol	1.346	159.646
n-Propanol	2.377	215.513

# Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: ACQ 407041529/4	Item number: WA
Injection date: 10/23/2017 6:46:24 PM	Vial: 47
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\047F4701.D	

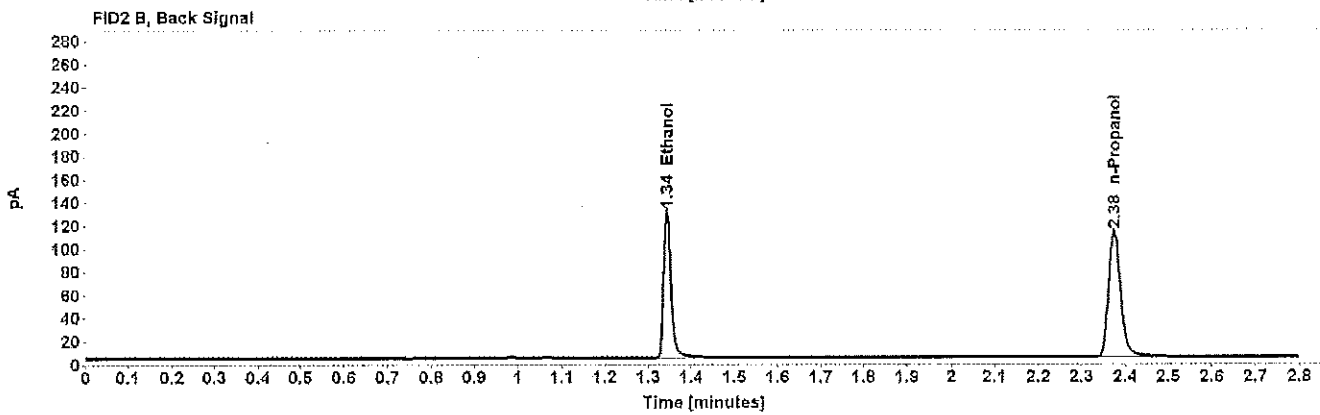
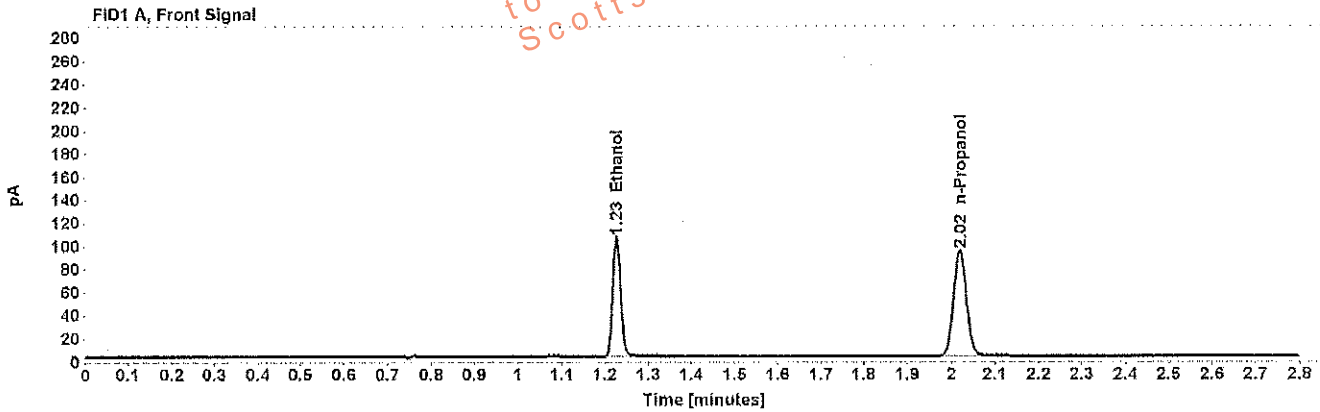


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1999	1.227	132.821
n-Propanol	-----	2.020	186.813

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

Compound	Time (min)	Peak Area
Ethanol	1.343	155.284
n-Propanol	2.375	212.198

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: ACQ 407041529/4	Item number:
Injection date: 10/23/2017 6:50:24 PM	Vial: 48
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
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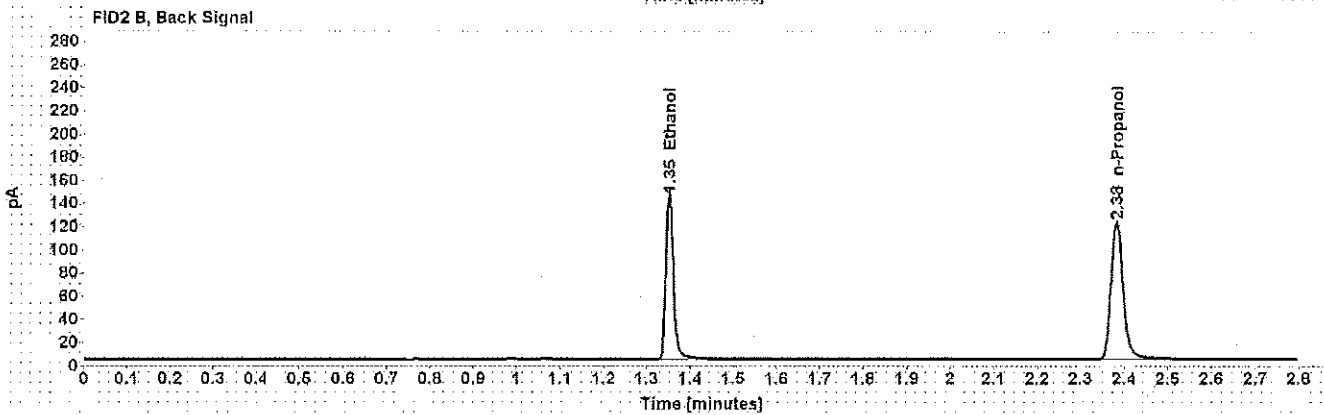
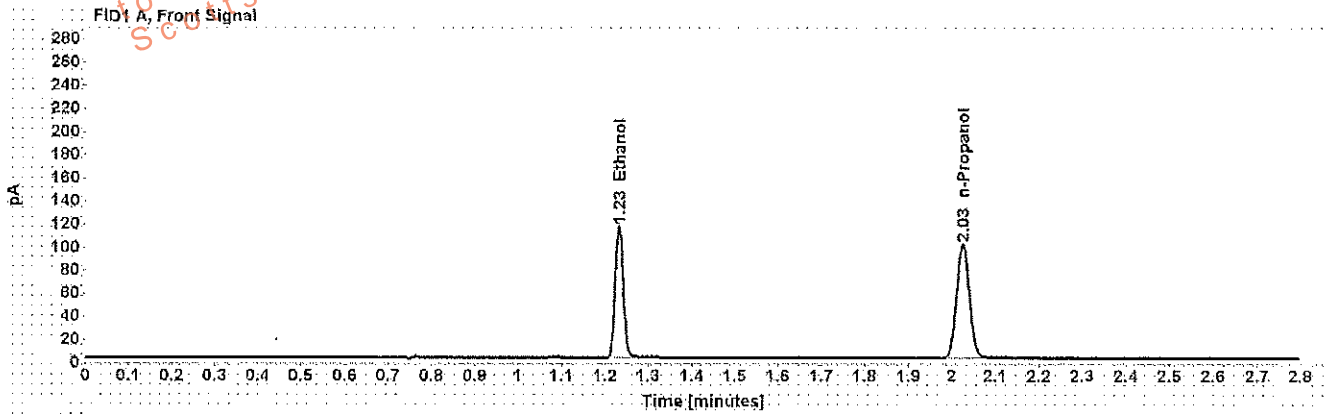


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2067	1.232	149.274
n-Propanol	-----	2.025	202.973

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

Compound	Time (min)	Peak Area
Ethanol	1.352	174.995
n-Propanol	2.383	231.098



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 08012015-C	Item number: <span style="float: right;">WA</span>
Injection date: 10/23/2017 6:54:39 PM	Vial: 49
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\23Oct17\47.D	

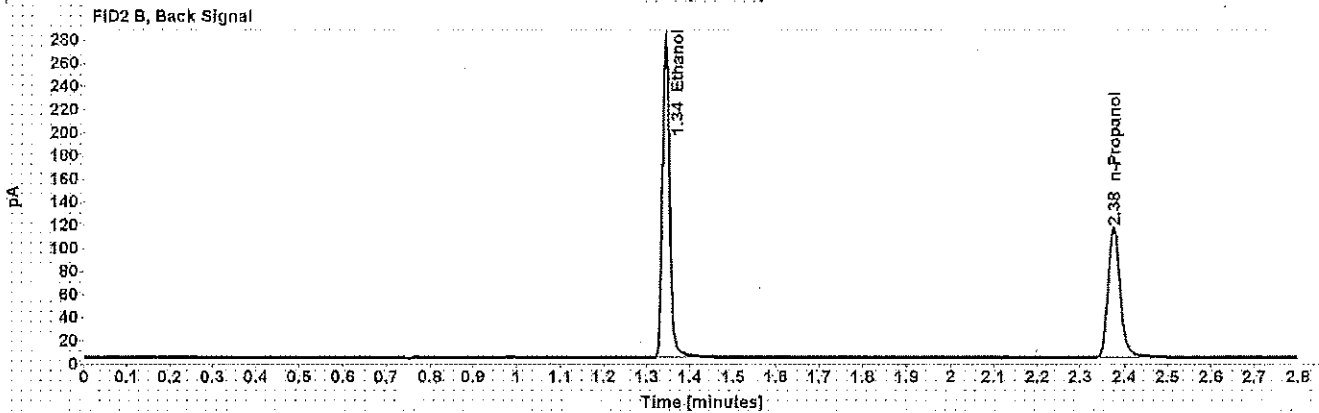
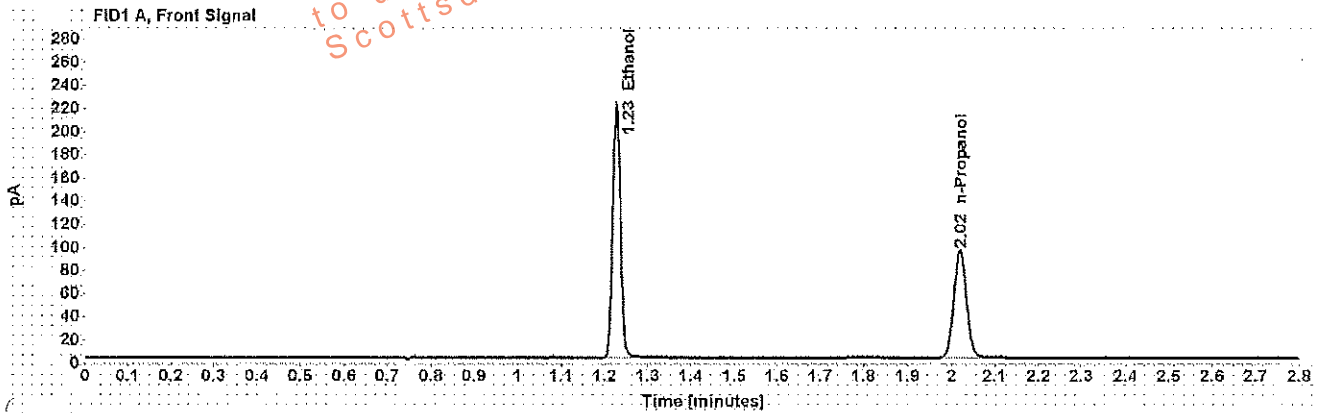


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4094	1.227	278.832
n-Propanol	-----	2.020	190.884

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

Compound	Time (min)	Peak Area
Ethanol	1.343	328.753
n-Propanol	2.378	217.381

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 09022015-A	Item number: _____
Injection date: 10/23/2017 6:58:39 PM	Vial: 50
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\23Oct17\48.D	

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AA

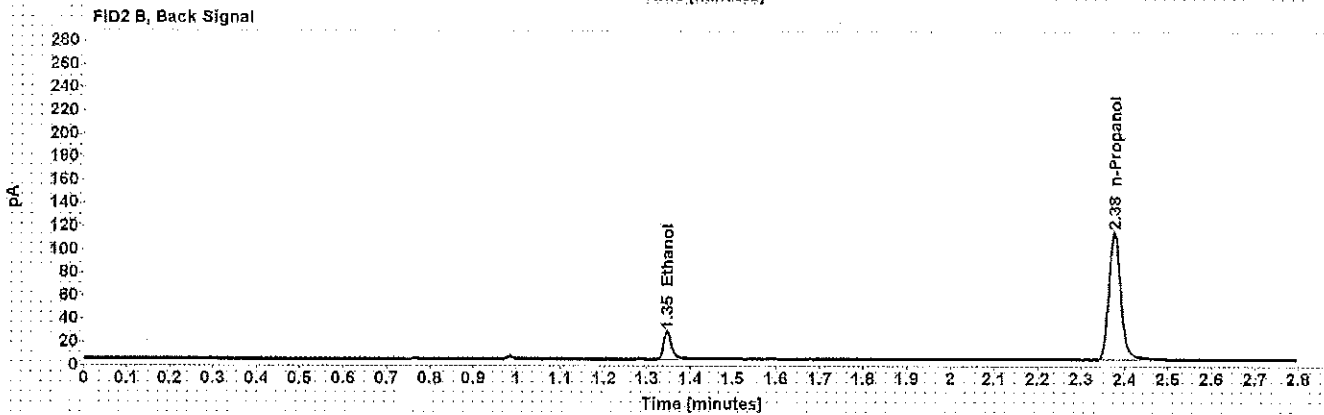
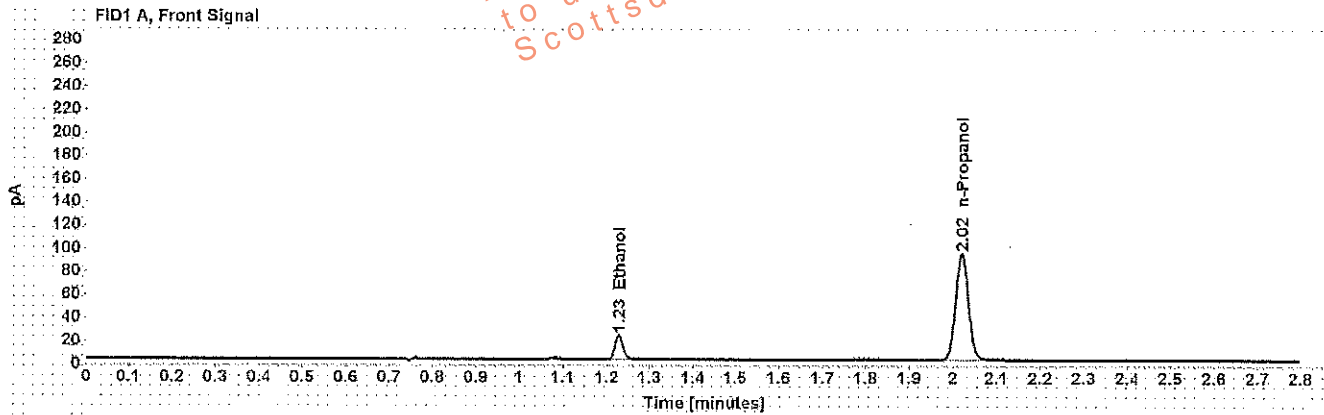


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.229	26.839
n-Propanol	-----	2.020	188.454

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

Compound	Time (min)	Peak Area
Ethanol	1.346	30.620
n-Propanol	2.376	213.819

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> 0.198 ACQ 407041529/3	<b>Item number:</b>
<b>Injection date:</b> 10/23/2017 7:02:38 PM	<b>Vial:</b> 51
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\23Oct17\49.D	

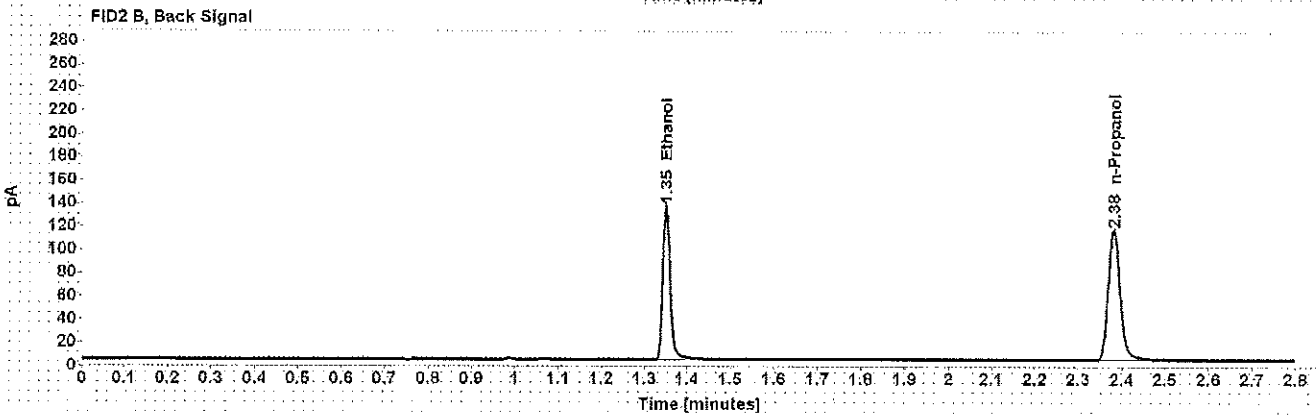
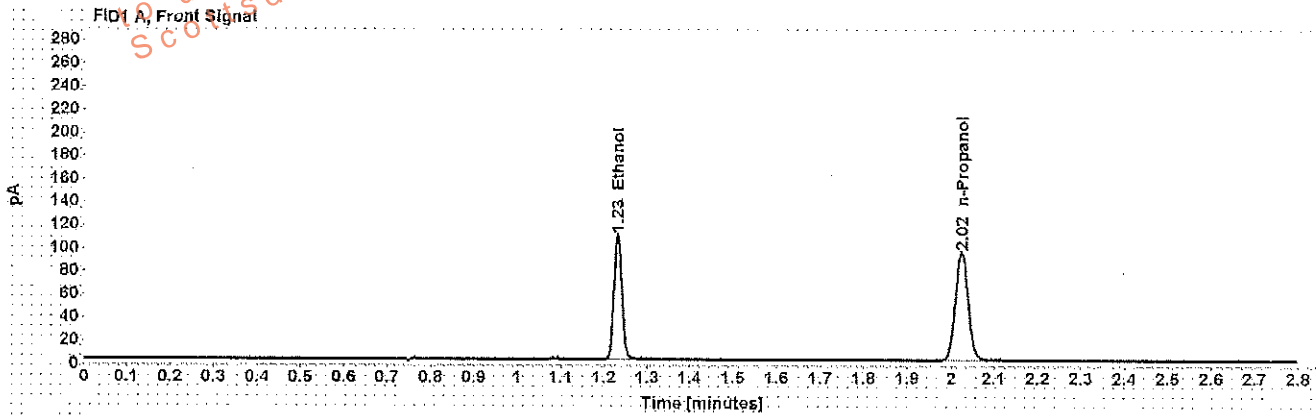


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2044	1.231	139.980
n-Propanol	-----	2.024	192.545

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

Compound	Time (min)	Peak Area
Ethanol	1.350	164.110
n-Propanol	2.381	218.922

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: blank 090517	Item number:
Injection date: 10/23/2017 7:06:39 PM	Vial: 52
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\50.D	

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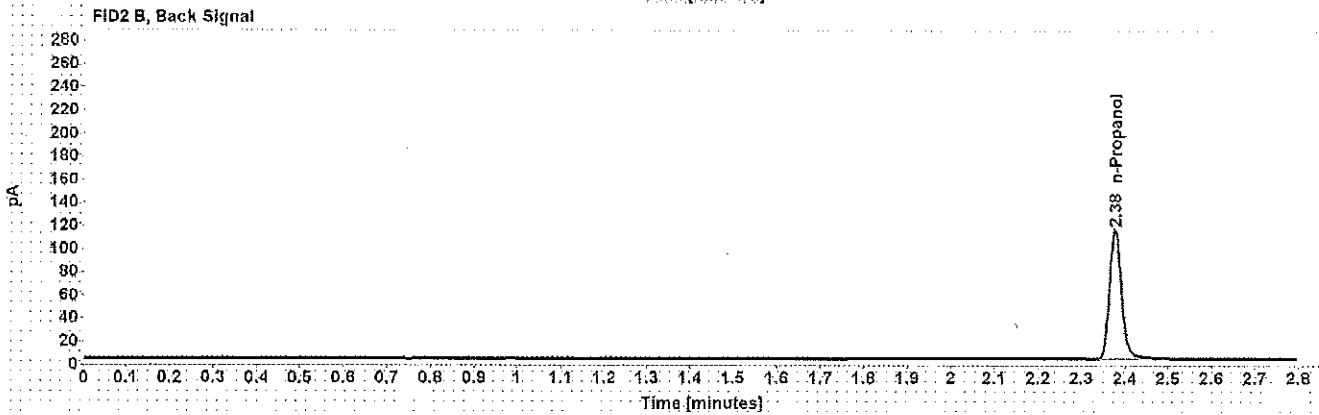
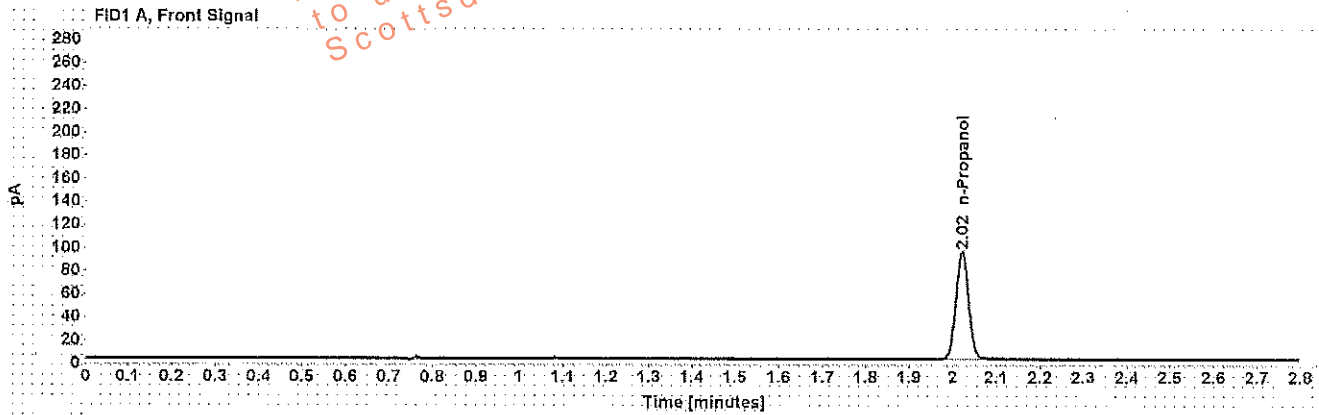


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.021	191.003

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

Compound	Time (min)	Peak Area
n-Propanol	2.377	216.988

# Sequence Summary

Sequence name: 23Oct17      Instrument: US14173023 CN14160045      Analyst: Adrian WA

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN03241604	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 090517	Control		ethanol quant.M
6	volatiles mix 020917 WLA	Control		ethanol quant.M
7	0.400 Lipomed 08012015-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.198 ACQ 407041529/3	Control		ethanol quant.M
10	[REDACTED]	Sample	1141026	ethanol quant.M
11	[REDACTED]	Sample	1141026	ethanol quant.M
12	[REDACTED]	Sample	1173788	ethanol quant.M
13	[REDACTED]	Sample	1173788	ethanol quant.M
14	[REDACTED]	Sample	1153349	ethanol quant.M
15	[REDACTED]	Sample	1153349	ethanol quant.M
16	[REDACTED]	Sample	1174833	ethanol quant.M
17	[REDACTED]	Sample	1174833	ethanol quant.M
18	[REDACTED]	Sample	1174796	ethanol quant.M
19	[REDACTED]	Sample	1174796	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21	[REDACTED]	Sample	1173861	ethanol quant.M
22	[REDACTED]	Sample	1173861	ethanol quant.M
23	[REDACTED]	Sample	1173988	ethanol quant.M
24	[REDACTED]	Sample	1173988	ethanol quant.M
25	[REDACTED]	Sample	1173856	ethanol quant.M
26	[REDACTED]	Sample	1173856	ethanol quant.M
27	[REDACTED]	Sample	1174570	ethanol quant.M
28	[REDACTED]	Sample	1174570	ethanol quant.M
29	[REDACTED]	Sample	1174023	ethanol quant.M
30	[REDACTED]	Sample	1174023	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32	[REDACTED]	Sample	1177119	ethanol quant.M
33	[REDACTED]	Sample	1177119	ethanol quant.M
34	[REDACTED]	Sample	1154301	ethanol quant.M
35	[REDACTED]	Sample	1154301	ethanol quant.M
36	[REDACTED]	Sample	1176562	ethanol quant.M
37	[REDACTED]	Sample	1176562	ethanol quant.M
38	[REDACTED]	Sample	1177053	ethanol quant.M
39	[REDACTED]	Sample	1177053	ethanol quant.M
40	[REDACTED]	Sample	1176570	ethanol quant.M
41	[REDACTED]	Sample	1176570	ethanol quant.M
42	0.198 ACQ 407041529/3	Control		ethanol quant.M
43	[REDACTED]	Sample	1176466	ethanol quant.M
44	[REDACTED]	Sample	1176466	ethanol quant.M
45	[REDACTED]	Sample	1175968	ethanol quant.M
46	[REDACTED]	Sample	1175968	ethanol quant.M
47	[REDACTED]	Sample		ethanol quant.M

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# Sequence Summary

WA

48		Sample		ethanol quant.M
49	0.40 Lipomed 08012015-C	Control		ethanol quant.M
50	0.04 Lipomed 09022015-A	Control		ethanol quant.M
51	0.198 ACQ 407041529/3	Control		ethanol quant.M
52	blank 090517	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 23Oct17

ANALYST: Adrian WA

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.3028	0.3032	0.30300	0.07	0.00020
12 13	0.2855	0.2811	0.28330	0.78	0.00220
14 15	0.1132	0.1119	0.11255	0.58	0.00065
16 17	0.0790	0.0776	0.07830	0.89	0.00070
18 19	0.3517	0.3533	0.35250	0.23	0.00080
21 22	0.1045	0.1031	0.10380	0.67	0.00070
23 24	0.1395	0.1407	0.14010	0.43	0.00060
25 26	0.0888	0.0883	0.08855	0.28	0.00025
27 28	0.1577	0.1597	0.15870	0.63	0.00100
29 30	0.0880	0.0876	0.08780	0.23	0.00020
32 33	0.2842	0.2842	0.28420	0.00	0.00000
34 35	0.2270	0.2251	0.22605	0.42	0.00095
36 37	0.0883	0.0867	0.08750	0.91	0.00080
38 39	0.2141	0.2146	0.21435	0.12	0.00025
40 41	0.1207	0.1206	0.12065	0.04	0.00005
43 44	0.1609	0.1609	0.16090	0.00	0.00000
45 46	0.0863	0.0873	0.08680	0.58	0.00050

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

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1141026
Injection date: 10/23/2017 4:16:54 PM	Vial: 10
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\110.D	

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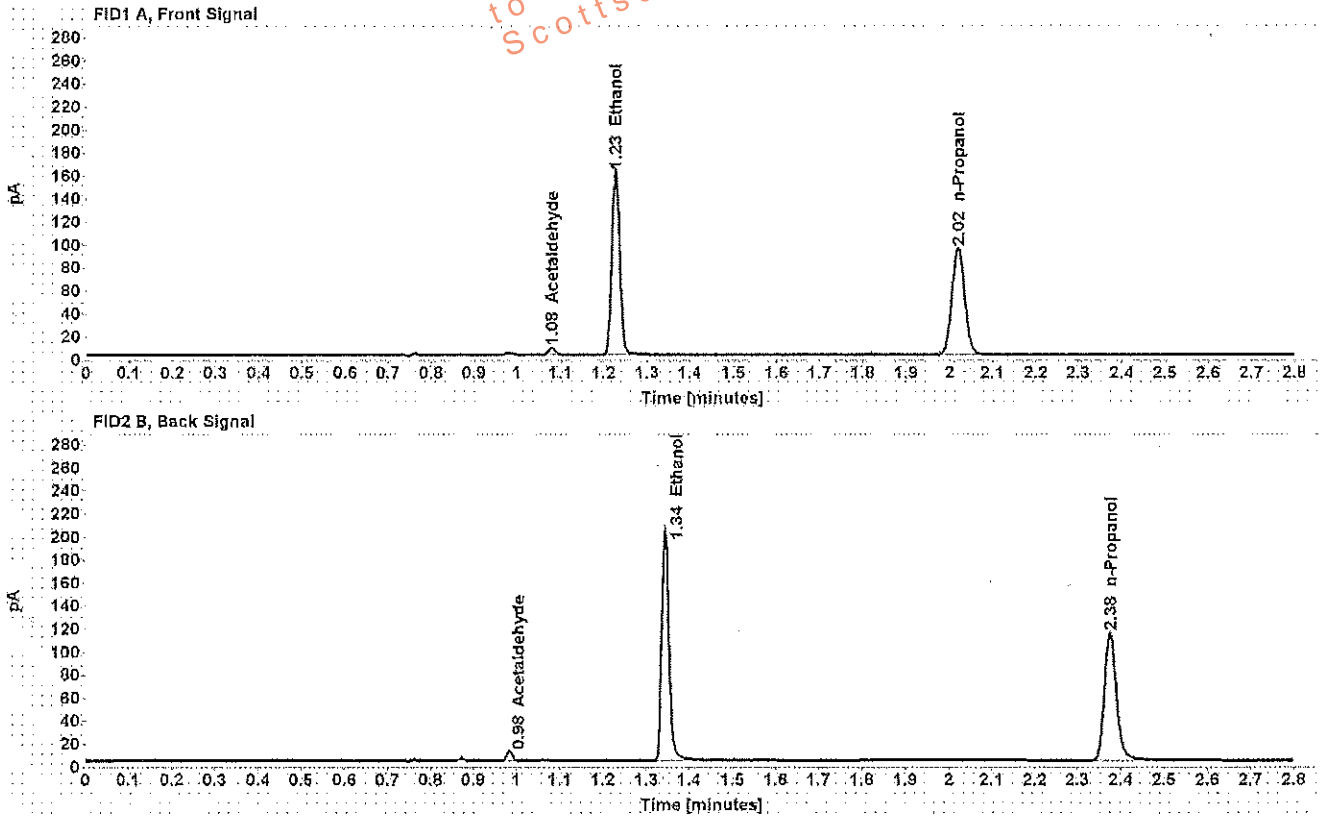


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	6.417
>Ethanol	0.3028	1.227	205.298
n-Propanol	-----	2.020	190.215

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.852
Ethanol	1.344	238.882
n-Propanol	2.376	215.637



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1141026
Injection date: 10/23/2017 4:20:54 PM	Vial: 11
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\11.D	

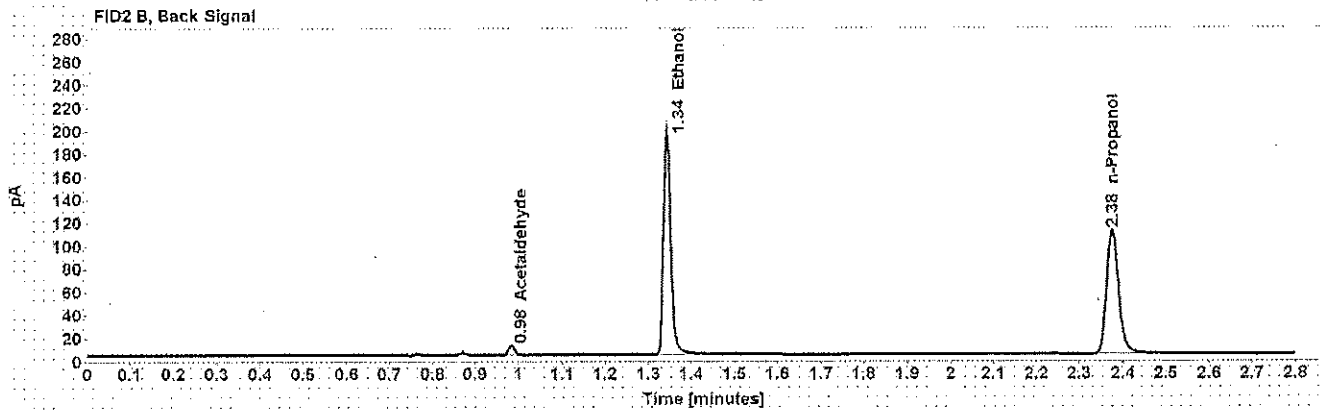
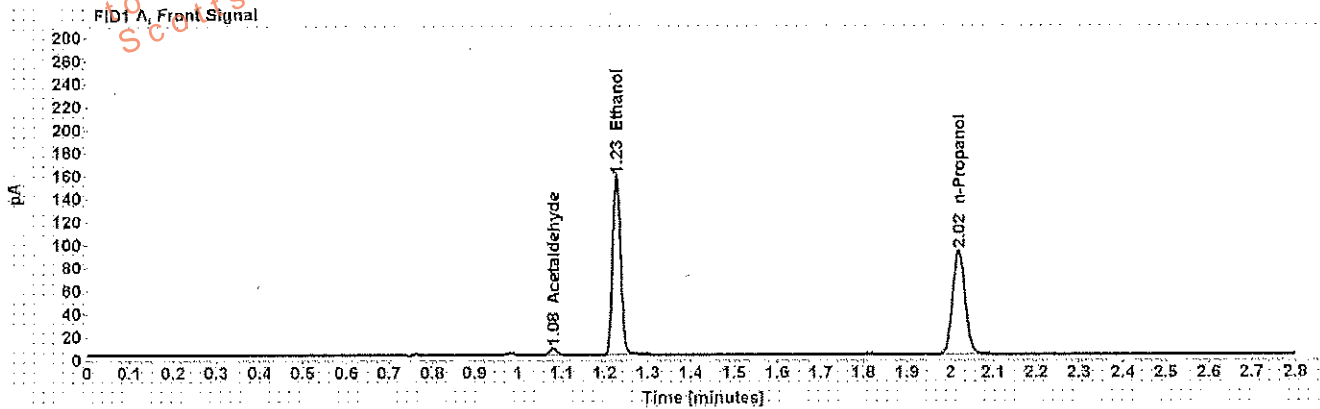


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	6.256
>Ethanol	0.3032	1.227	199.600
n-Propanol	-----	2.020	184.679

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.684
Ethanol	1.343	232.982
n-Propanol	2.375	209.200

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173788
Injection date: 10/23/2017 4:24:53 PM	Vial: 12
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1Data\23Oct17\12.D	

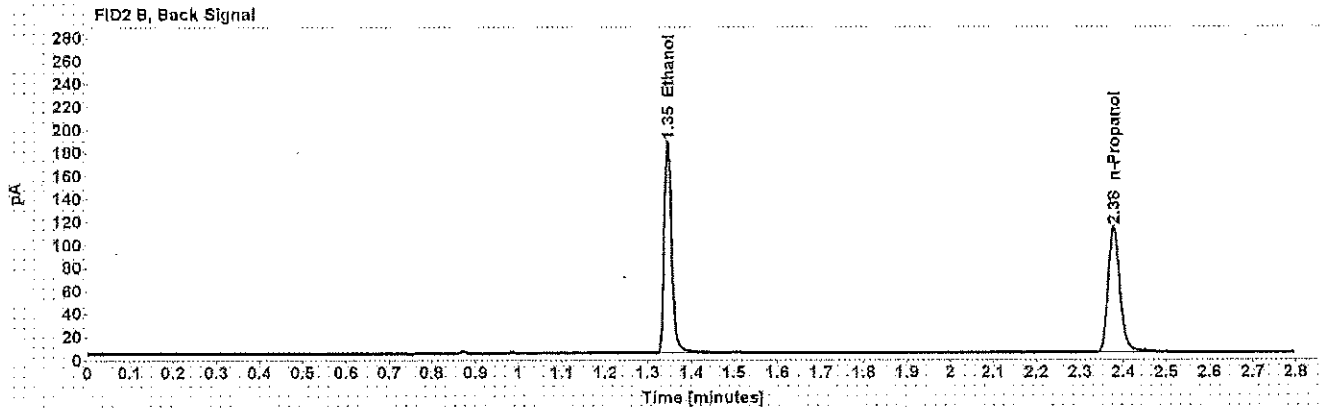
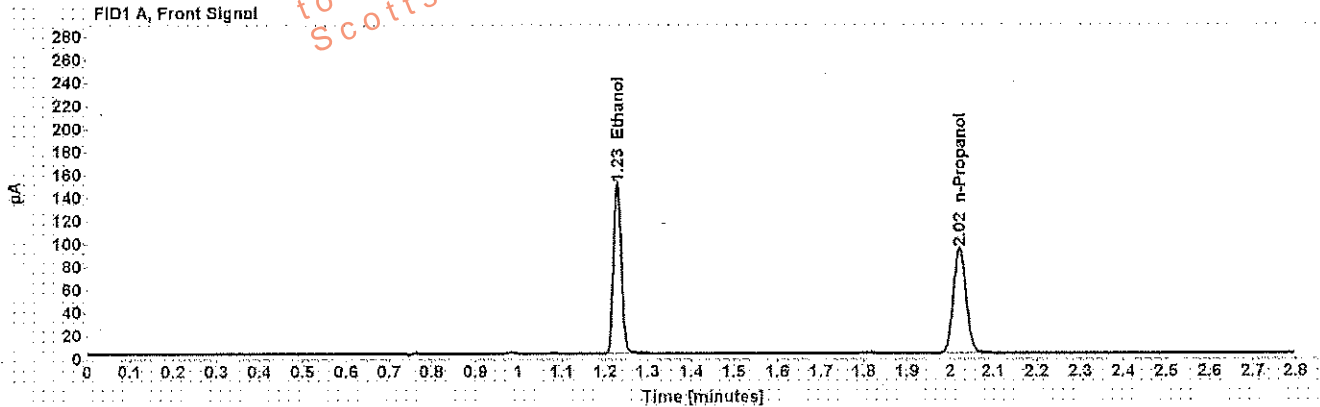


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2855	1.228	189.951
n-Propanol	-----	2.021	186.707

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

Compound	Time (min)	Peak Area
Ethanol	1.346	223.712
n-Propanol	2.377	211.867

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173788
Injection date: 10/23/2017 4:29:09 PM	Vial: 13
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\23Oct17\13.D	

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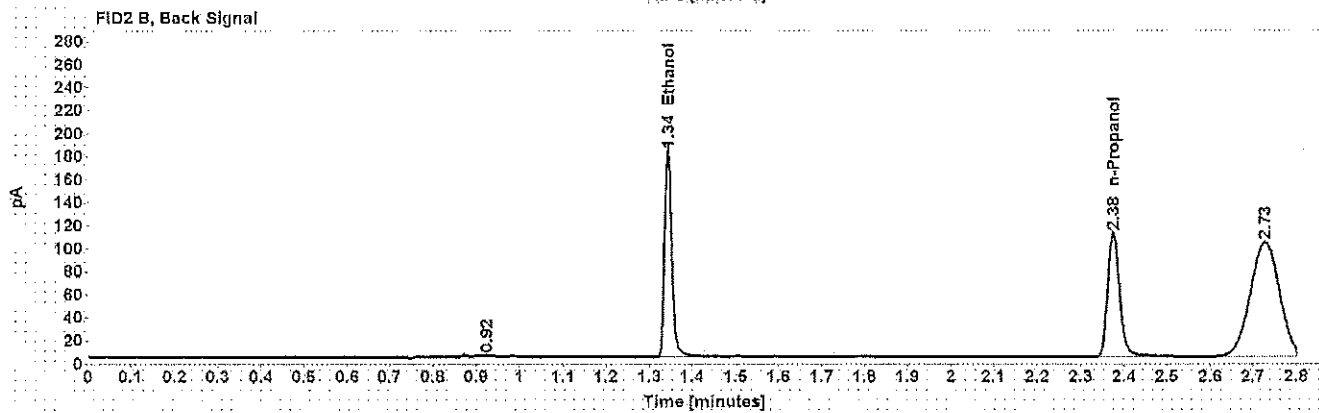
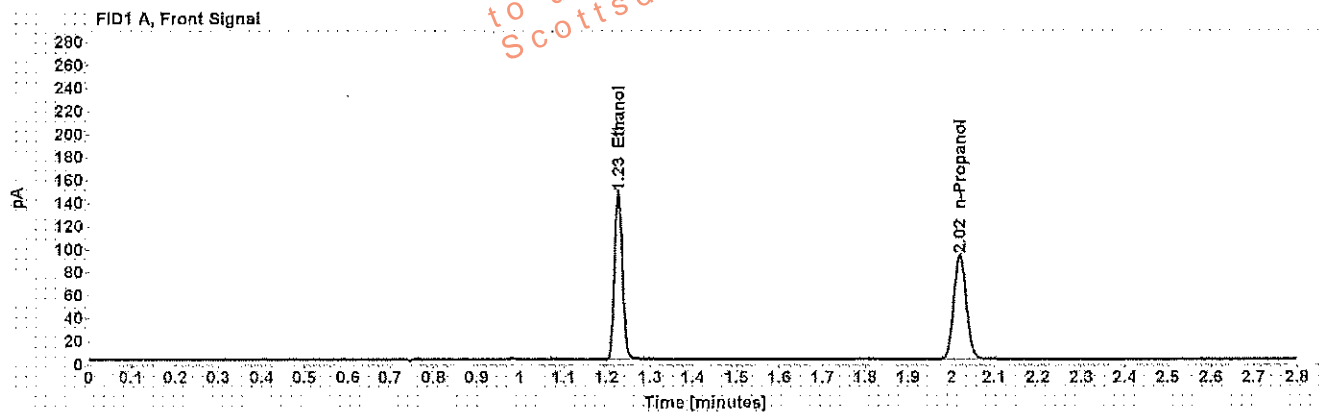


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2811	1.227	185.639
n-Propanol	-----	2.020	185.325

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

Compound	Time (min)	Peak Area
Ethanol	1.343	217.902
n-Propanol	2.375	210.500

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1153349
Injection date: 10/23/2017 4:33:09 PM	Vial: 14
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\23Oct17\14.D	

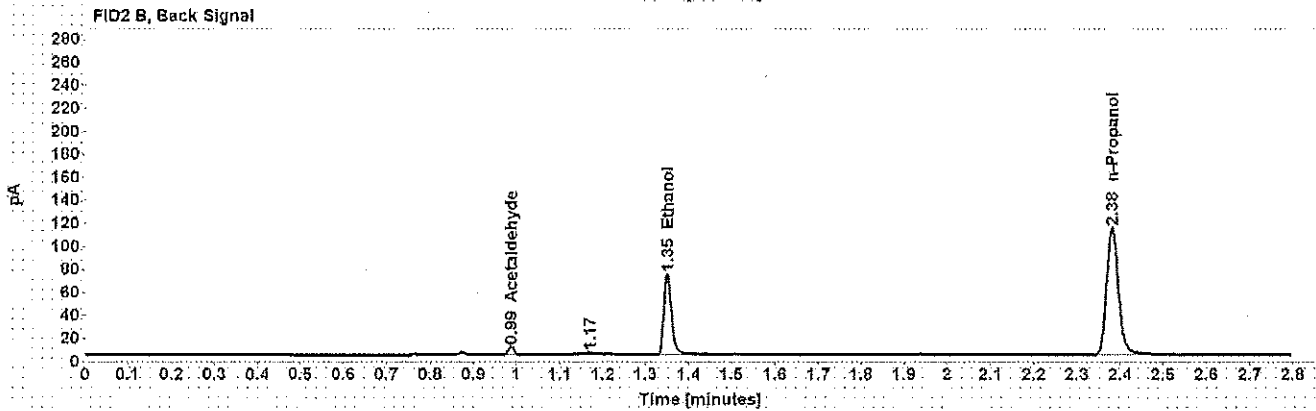
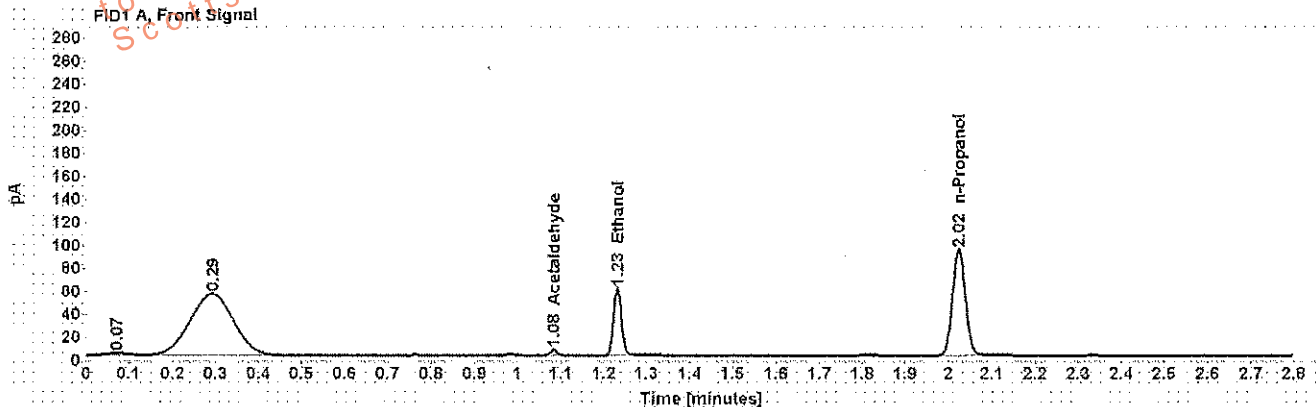


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	5.273
>Ethanol	0.1132	1.232	75.976
n-Propanol	-----	2.024	189.583

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	6.443
Ethanol	1.351	87.674
n-Propanol	2.381	214.539

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1153349
<b>Injection date:</b> 10/23/2017 4:37:09 PM	<b>Vial:</b> 15
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\23Oct17\15.D	

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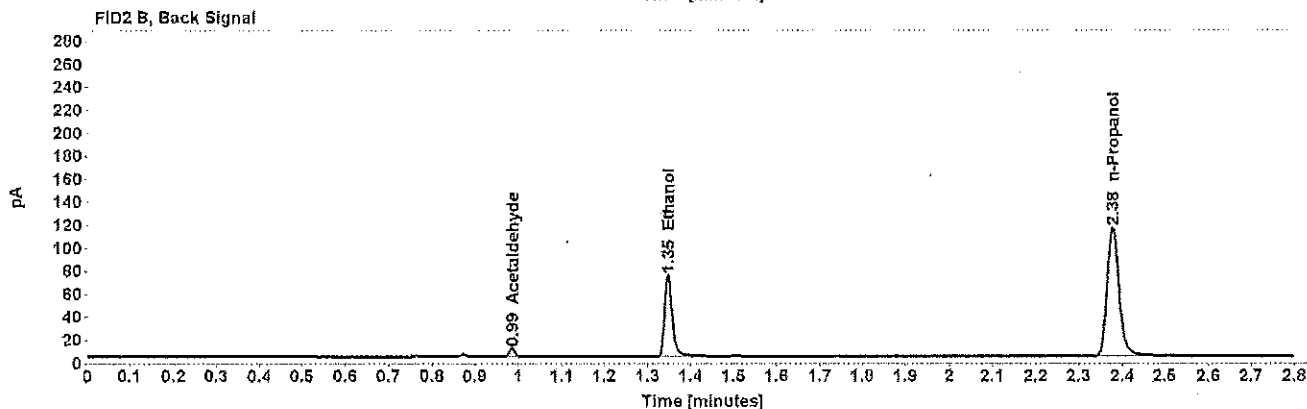
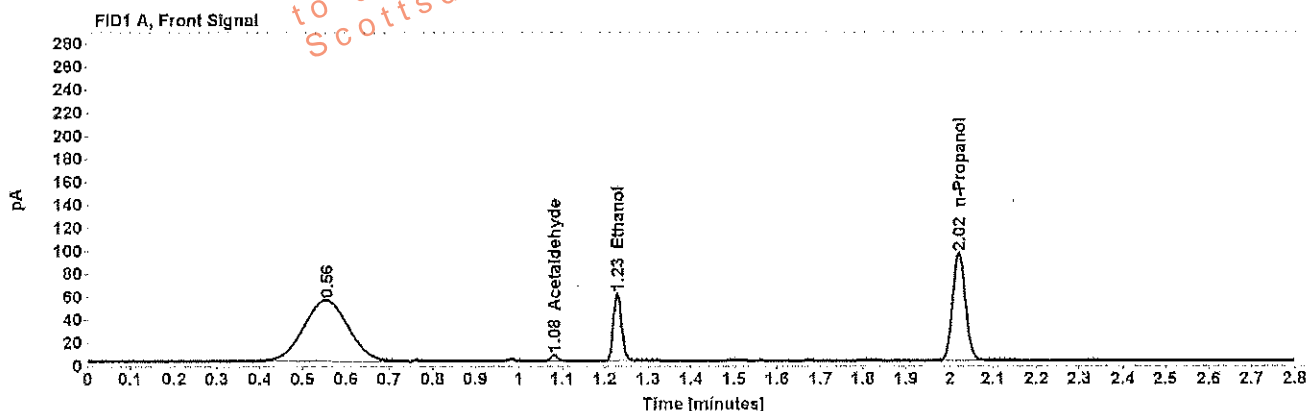


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.330
>Ethanol	0.1119	1.229	75.728
n-Propanol	-----	2.021	191.191

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	6.487
Ethanol	1.347	87.251
n-Propanol	2.378	216.614

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174833
Injection date: 10/23/2017 4:41:09 PM	Vial: 16
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\16.D	

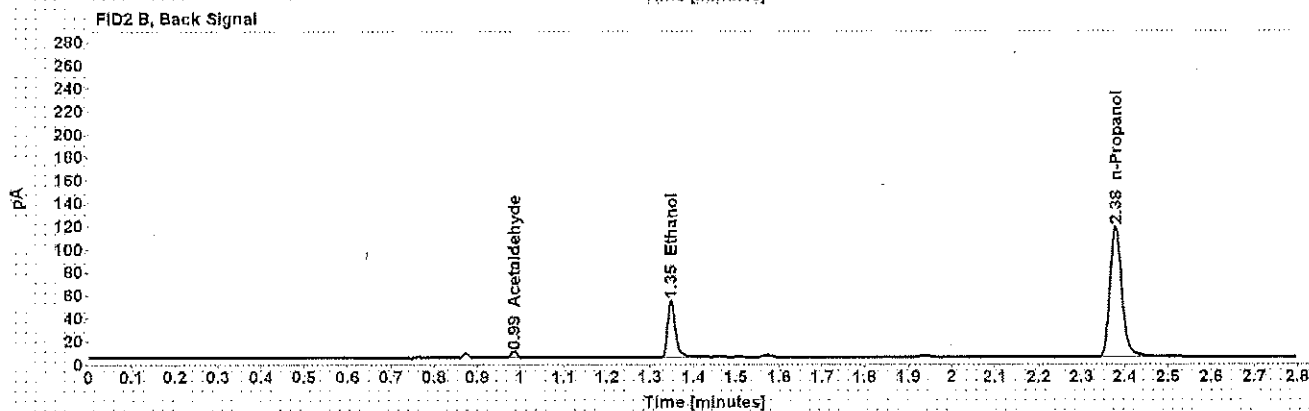
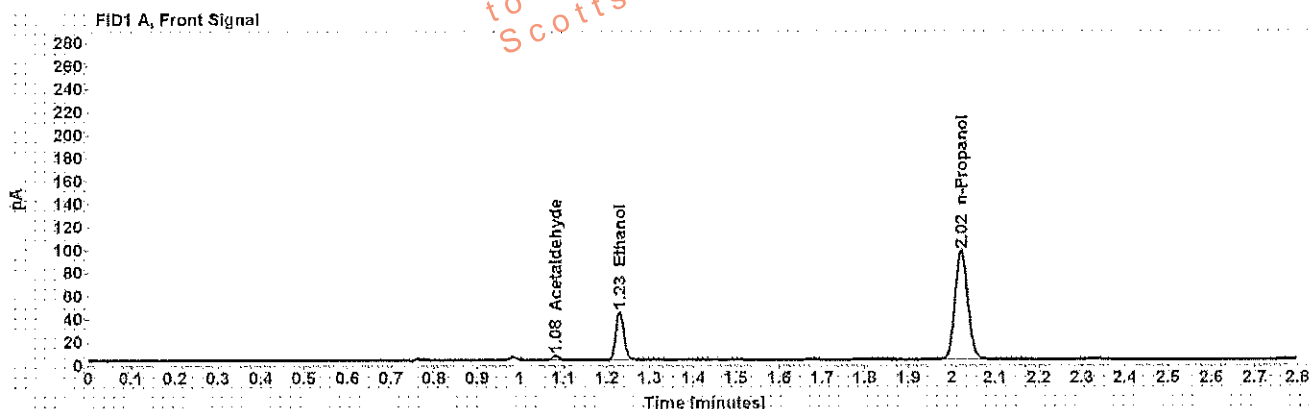


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	3.928
>Ethanol	0.0790	1.230	54.075
n-Propanol	-----	2.022	194.289

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	4.857
Ethanol	1.348	61.731
n-Propanol	2.379	219.498

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174833
Injection date: 10/23/2017 4:45:09 PM	Vial: 17
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\23Oct17\17.D	

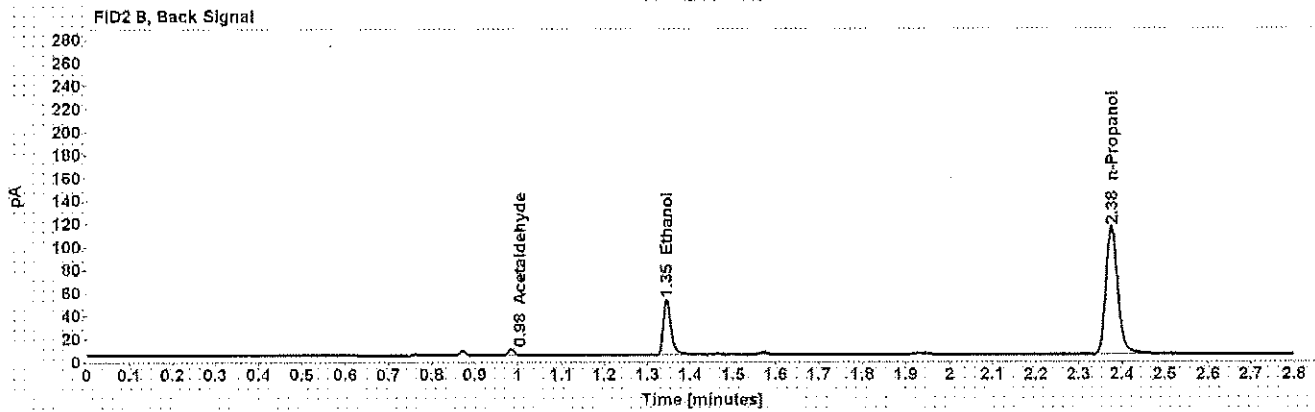
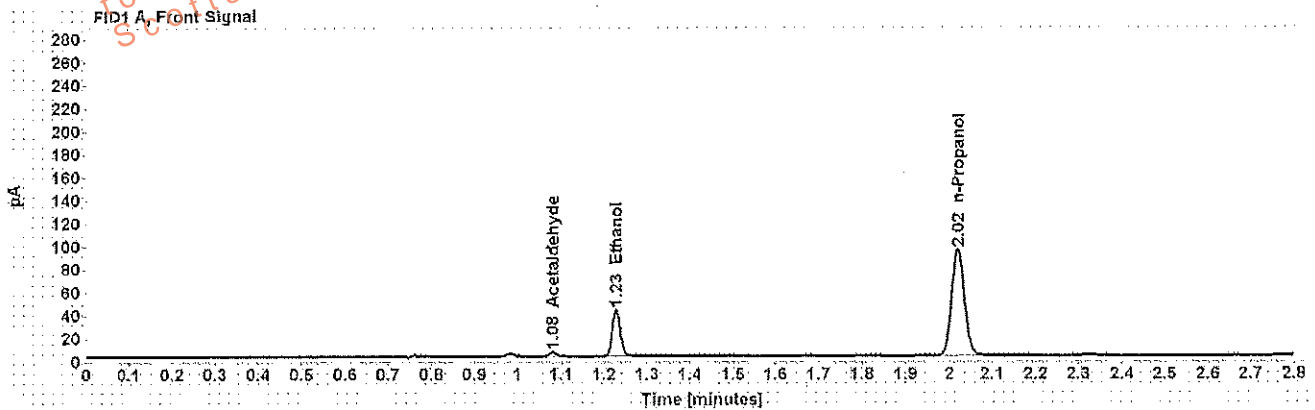


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.948
>Ethanol	0.0776	1.228	52.301
n-Propanol	-----	2.020	191.324

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.876
Ethanol	1.345	59.747
n-Propanol	2.376	214.956

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174796
Injection date: 10/23/2017 4:49:09 PM	Vial: 18
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1Data\23Oct17\18.D	

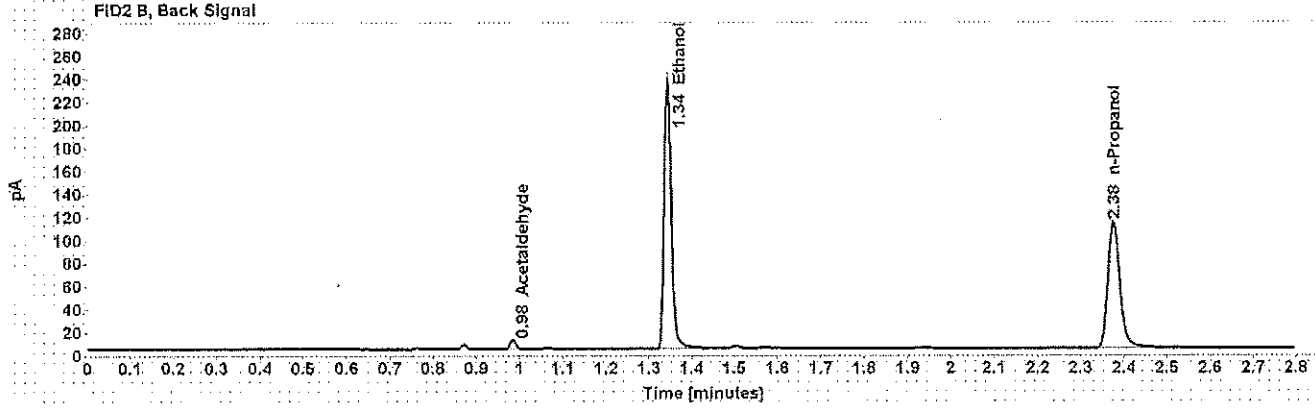
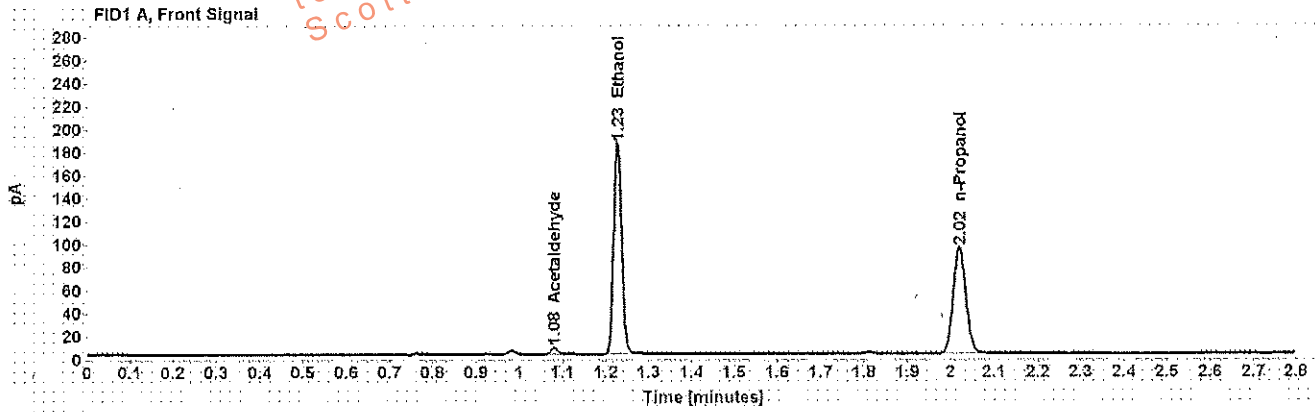


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.874
>Ethanol	0.3517	1.227	235.670
n-Propanol	-----	2.020	187.917

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.213
Ethanol	1.343	277.285
n-Propanol	2.376	213.725



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174796
Injection date: 10/23/2017 4:53:24 PM	Vial: 19
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\19.D	

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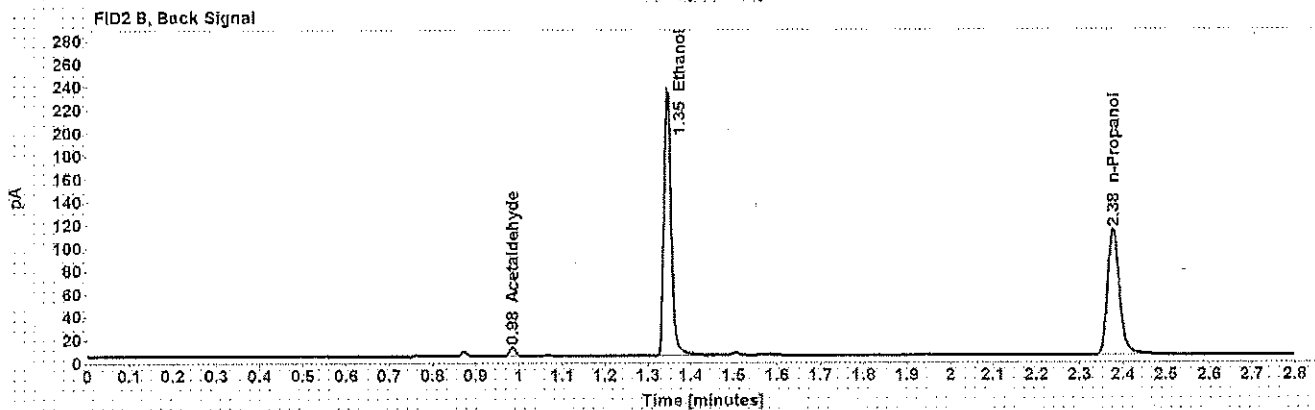
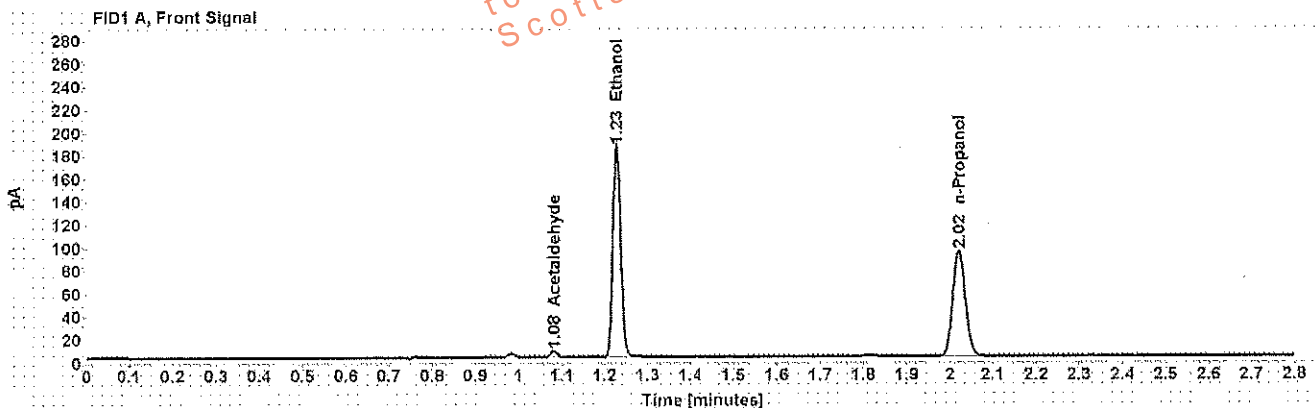


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.840
>Ethanol	0.3533	1.228	235.521
n-Propanol	-----	2.021	186.936

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	7.138
Ethanol	1.345	277.282
n-Propanol	2.377	213.101

**Scottsdale Police Department Crime Lab Volatiles Analysis**

Sample:	[REDACTED]	Item number:	1173861
Injection date:	10/23/2017 5:01:25 PM	Vial:	21
Method:	ethanol quant.M	Sequence:	23Oct17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11Data\23Oct17\21.D		

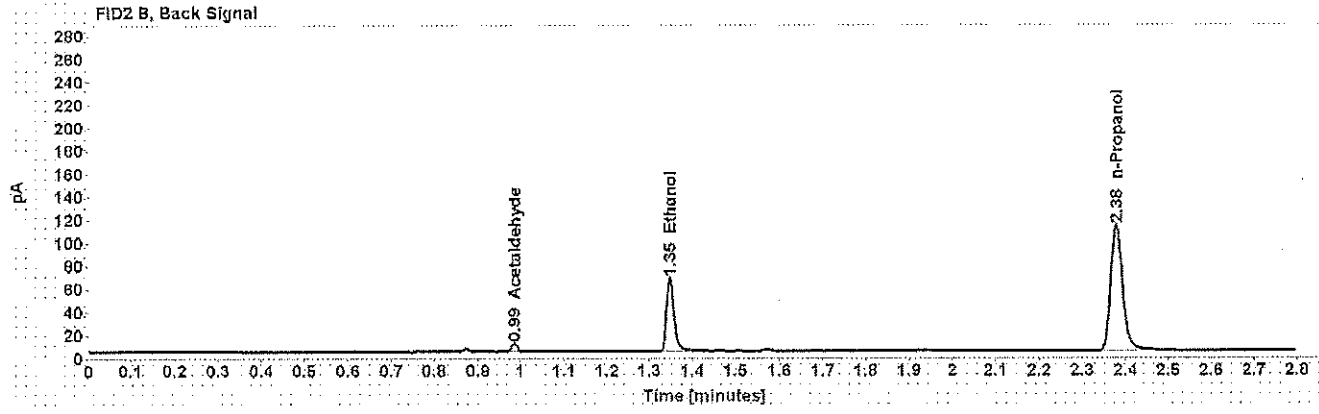
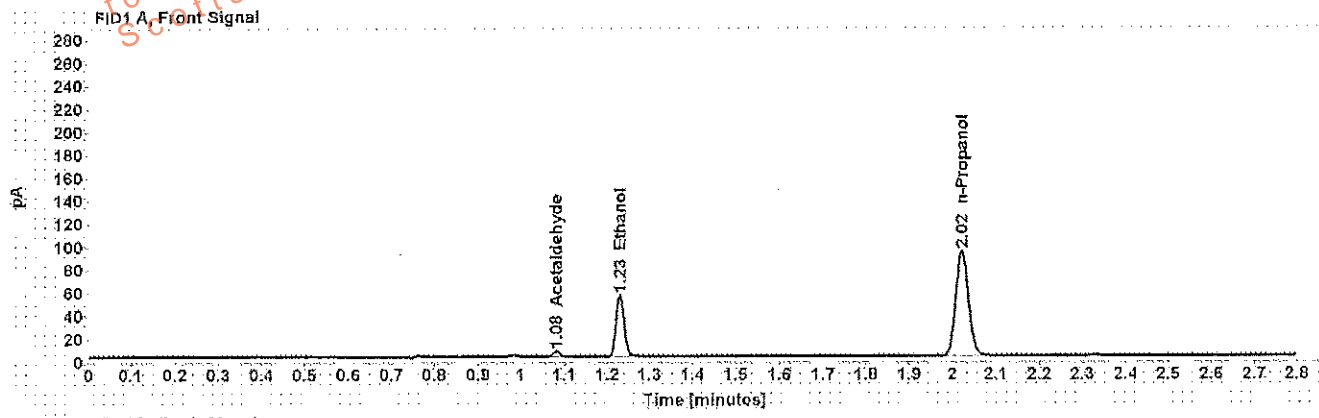


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.112
>Ethanol	0.1045	1.230	68.949
n-Propanol	-----	2.022	186.491

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	6.215
Ethanol	1.348	78.989
n-Propanol	2.379	211.980

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173861
Injection date: 10/23/2017 5:05:24 PM	Vial: 22
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\23Oct17\22.D	

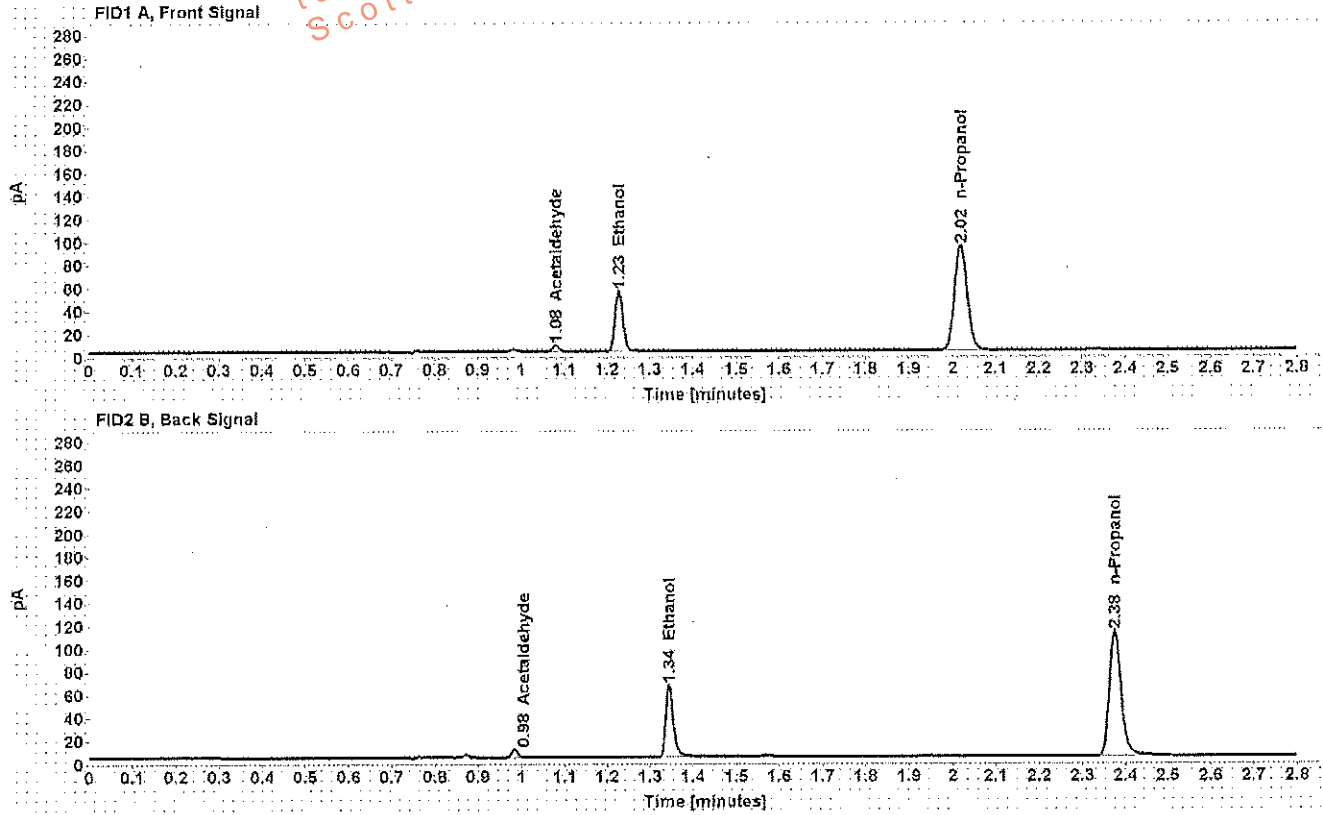


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.291
>Ethanol	0.1031	1.228	67.697
n-Propanol	-----	2.020	185.757

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.503
Ethanol	1.344	77.458
n-Propanol	2.375	210.672

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173988
Injection date: 10/23/2017 5:09:24 PM	Vial: 23
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\23.D	

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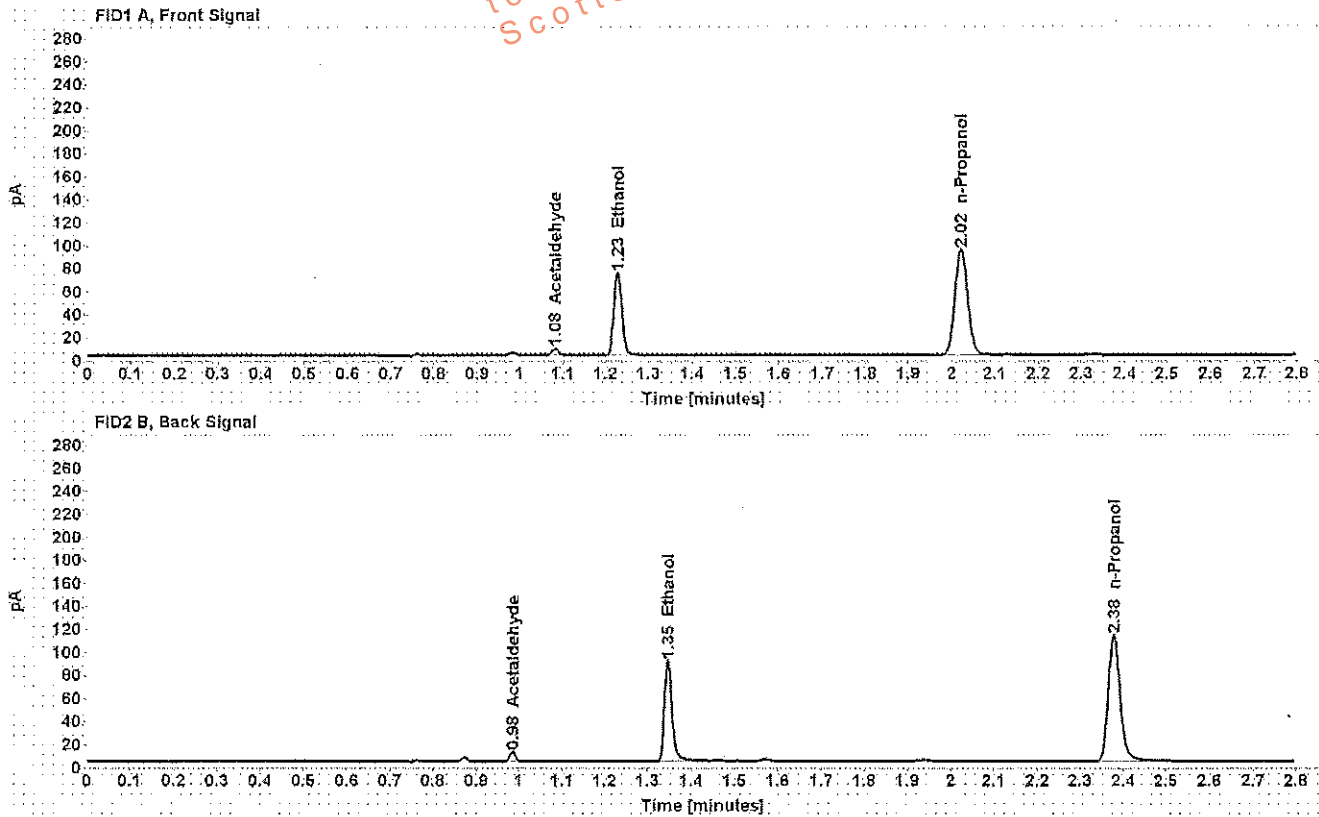


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	6.117
>Ethanol	0.1395	1.229	92.565
n-Propanol	-----	2.021	186.995

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	7.403
Ethanol	1.346	108.295
n-Propanol	2.377	212.579

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173988
Injection date: 10/23/2017 5:13:24 PM	Vial: 24
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\23Oct17\24.D	

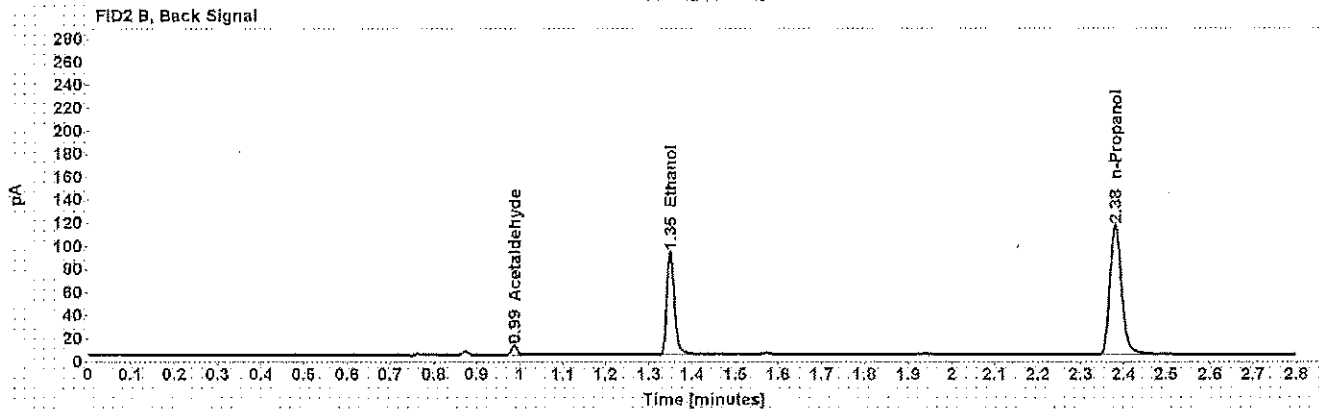
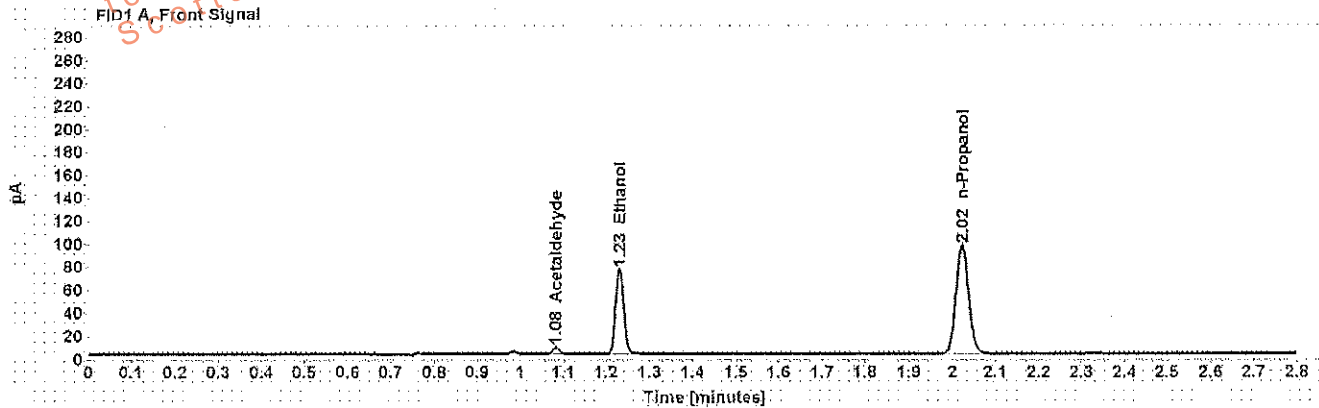


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	6.171
>Ethanol	0.1407	1.231	95.801
n-Propanol	-----	2.023	191.910

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	7.553
Ethanol	1.349	112.158
n-Propanol	2.380	218.347

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1173856
<b>Injection date:</b> 10/23/2017 5:17:39 PM	<b>Vial:</b> 25
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160049	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1 Data\23Oct17\25.D	

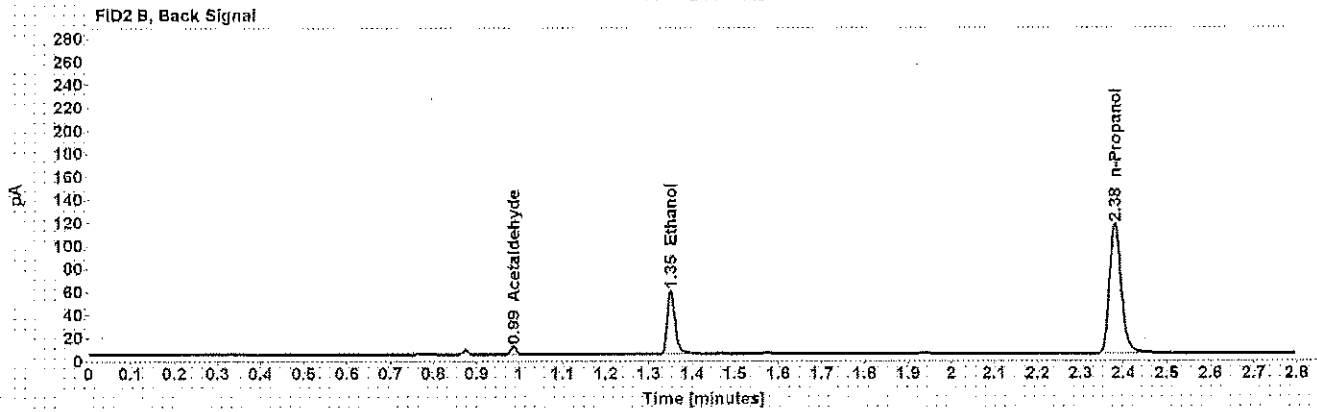
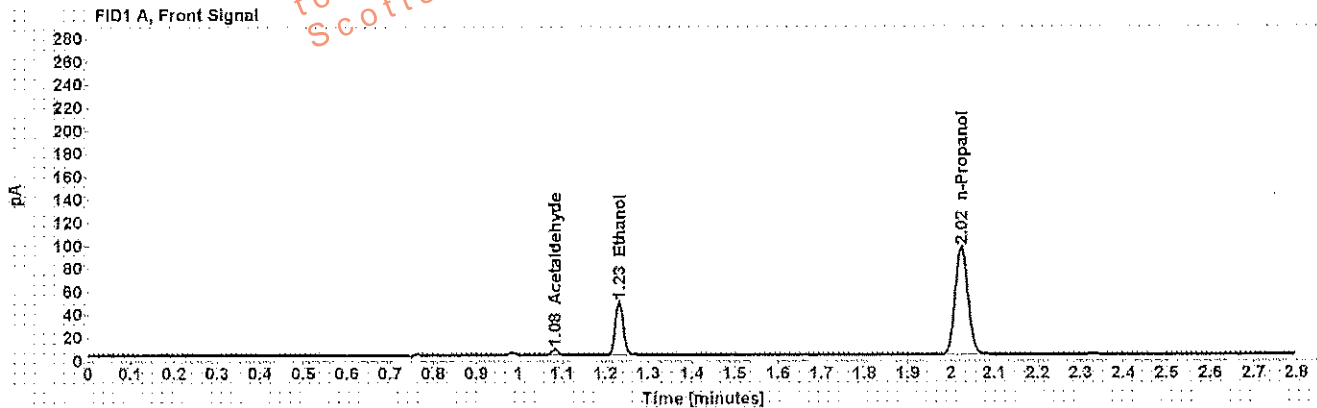


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	5.266
>Ethanol	0.0888	1.232	60.193
n-Propanol	-----	2.024	192.003

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	6.406
Ethanol	1.351	69.784
n-Propanol	2.381	218.250

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173856
Injection date: 10/23/2017 5:21:38 PM	Vial: 26
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\26.D	

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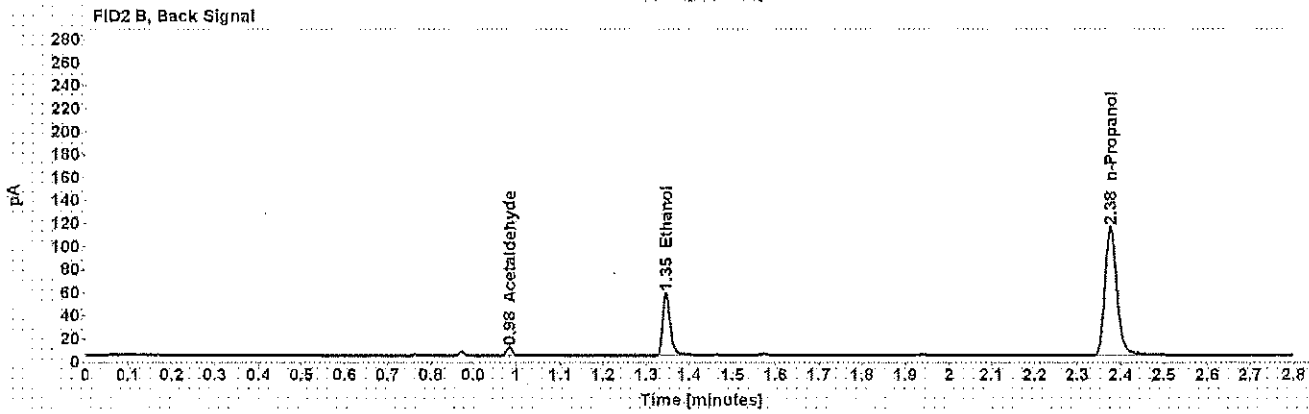
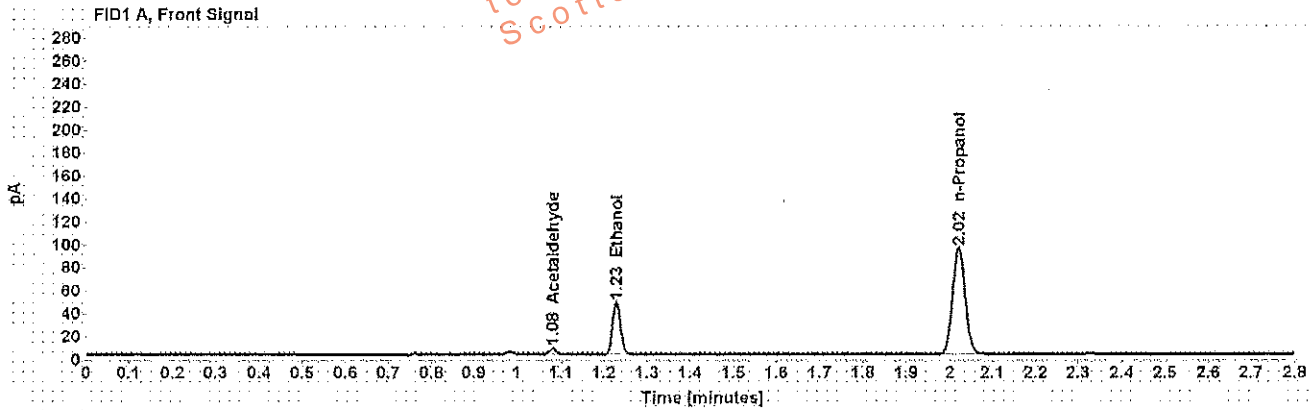


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.332
>Ethanol	0.0883	1.229	58.928
n-Propanol	-----	2.021	189.083

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.534
Ethanol	1.346	67.213
n-Propanol	2.377	214.673

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174570
Injection date: 10/23/2017 5:25:39 PM	Vial: 27
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\23Oct17\27.D	

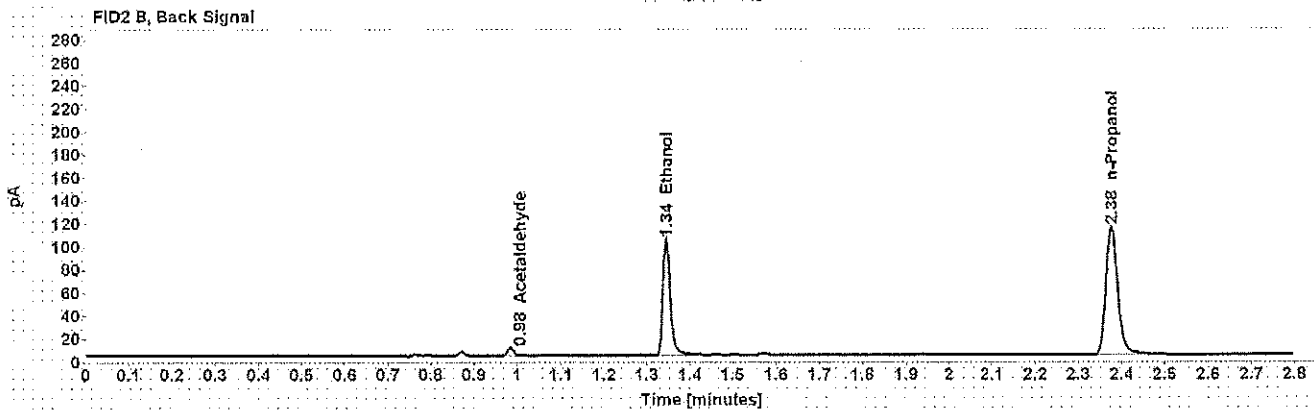
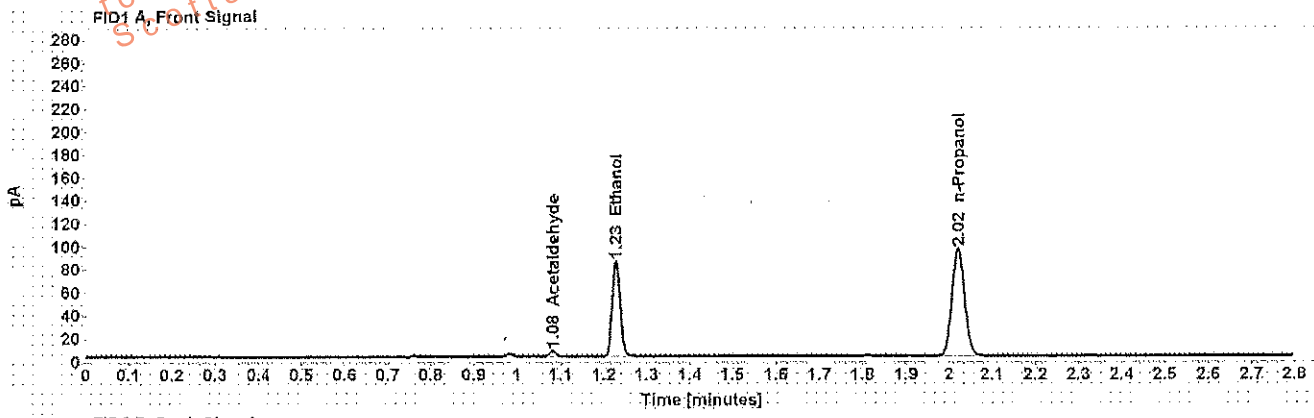


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.132
>Ethanol	0.1577	1.228	106.434
n-Propanol	-----	2.020	190.063

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.281
Ethanol	1.345	124.516
n-Propanol	2.376	215.879



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1174570
<b>Injection date:</b> 10/23/2017 5:29:39 PM	<b>Vial:</b> 28
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\23Oct17\28.D	

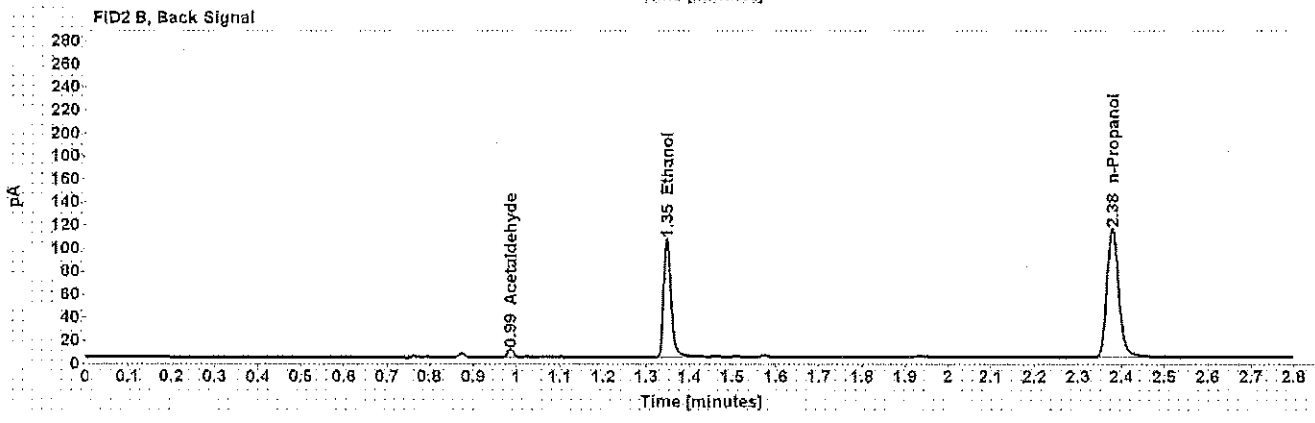
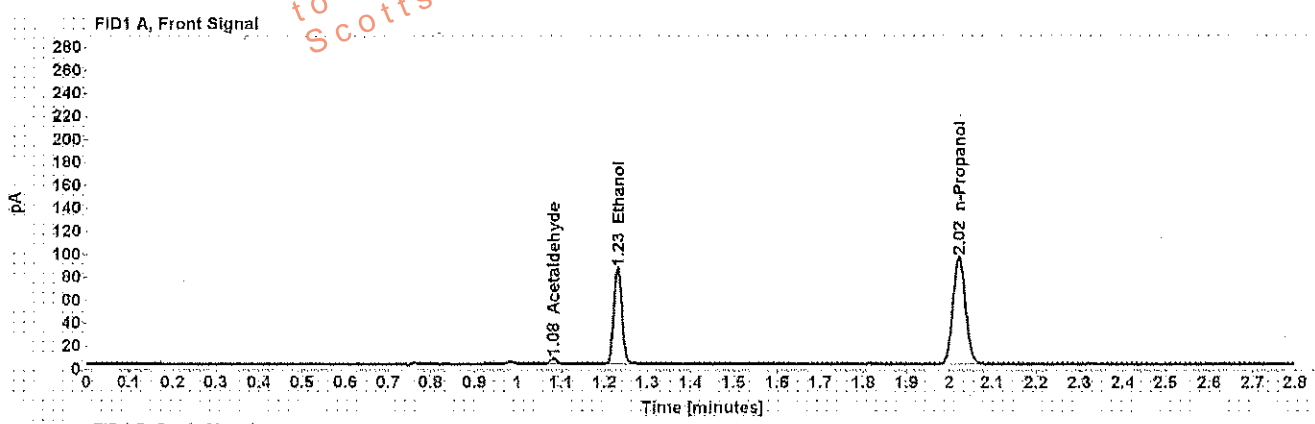


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.103
>Ethanol	0.1597	1.230	108.193
n-Propanol	-----	2.022	190.721

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	6.231
Ethanol	1.348	126.839
n-Propanol	2.379	217.072

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174023
Injection date: 10/23/2017 5:33:39 PM	Vial: 29
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\23Oct17\29.D	

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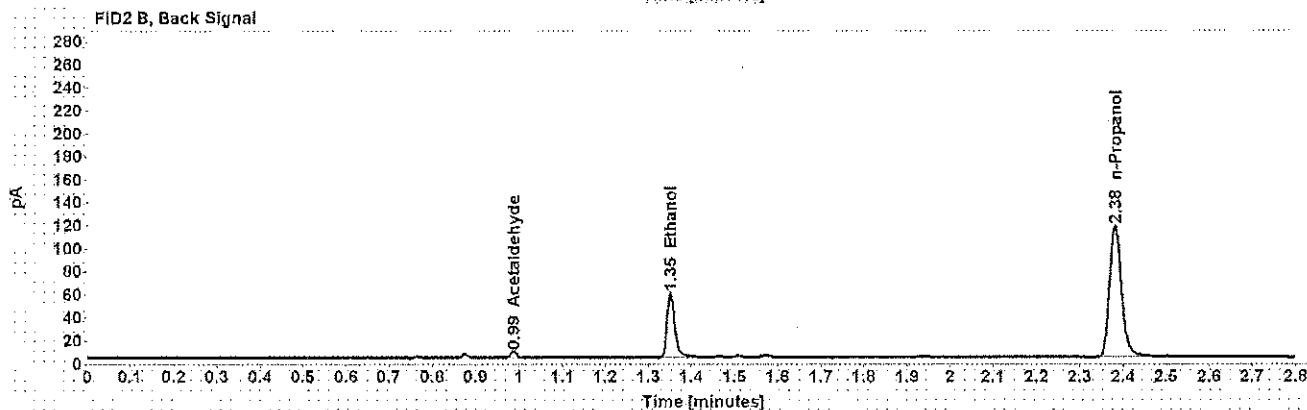
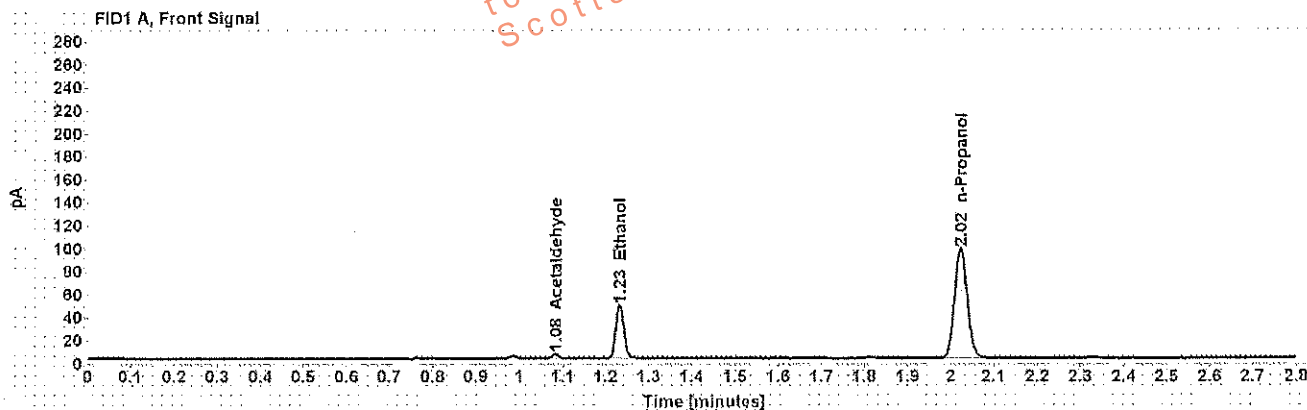


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	3.759
>Ethanol	0.0880	1.232	60.406
n-Propanol	-----	2.024	194.508

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	4.653
Ethanol	1.352	70.552
n-Propanol	2.382	221.238

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1174023
<b>Injection date:</b> 10/23/2017 5:37:39 PM	<b>Vial:</b> 30
<b>Method:</b> ethanol.quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\23Oct17\30.D	

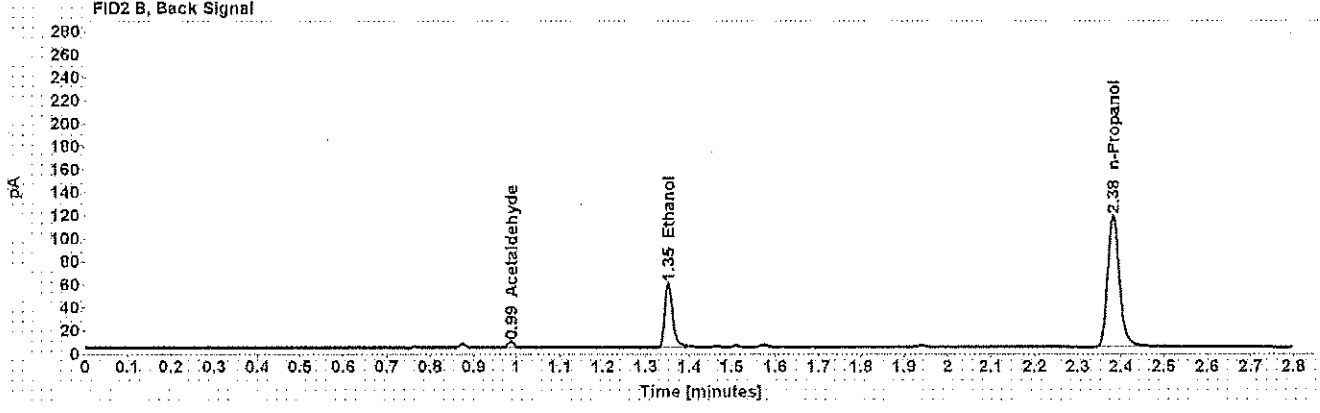
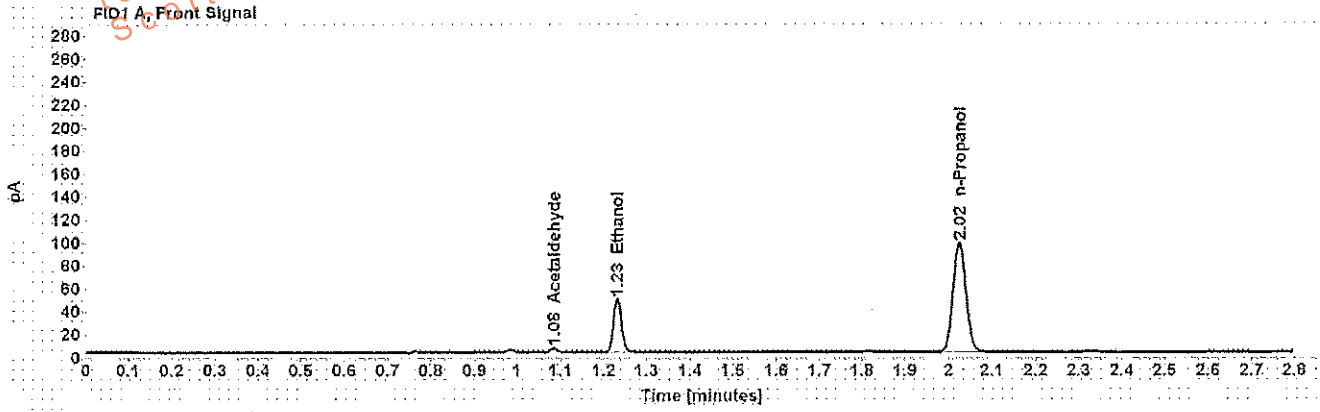


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	3.779
>Ethanol	0.0876	1.232	60.599
n-Propanol	-----	2.024	196.138

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.988	4.691
Ethanol	1.352	70.745
n-Propanol	2.382	221.827

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1177119
Injection date: 10/23/2017 5:45:54 PM	Vial: 32
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\32.D	

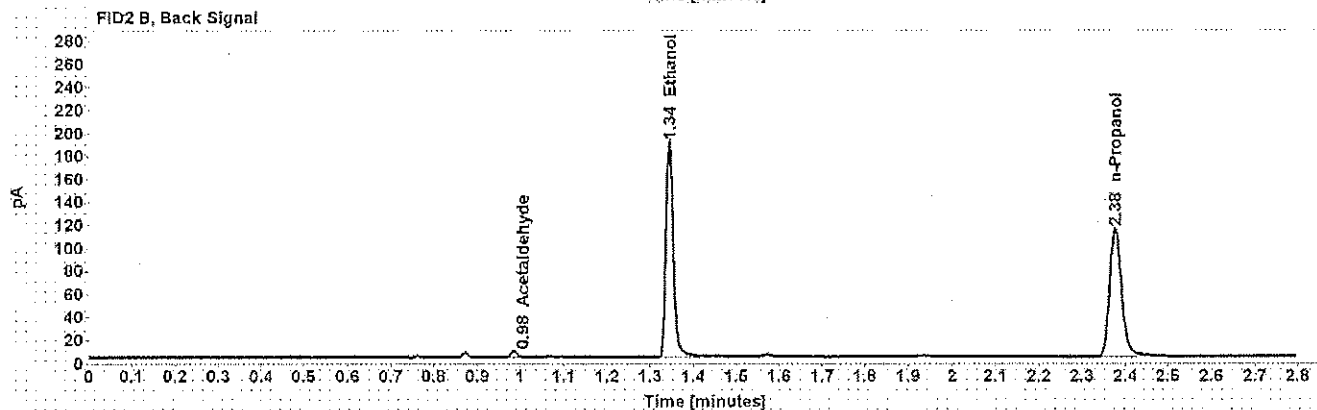
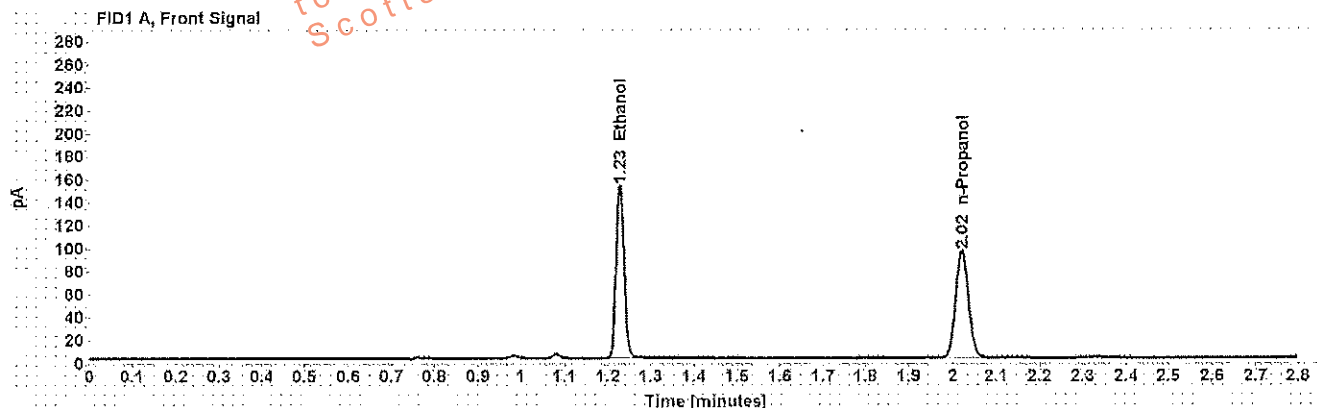


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2842	1.228	193.150
n-Propanol	-----	2.020	190.761

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.573
Ethanol	1.344	227.370
n-Propanol	2.376	216.022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1177119
Injection date:	10/23/2017 5:49:54 PM	Vial:	33
Method:	ethanol quant.M	Sequence:	23Oct17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\23Oct17\33.D		

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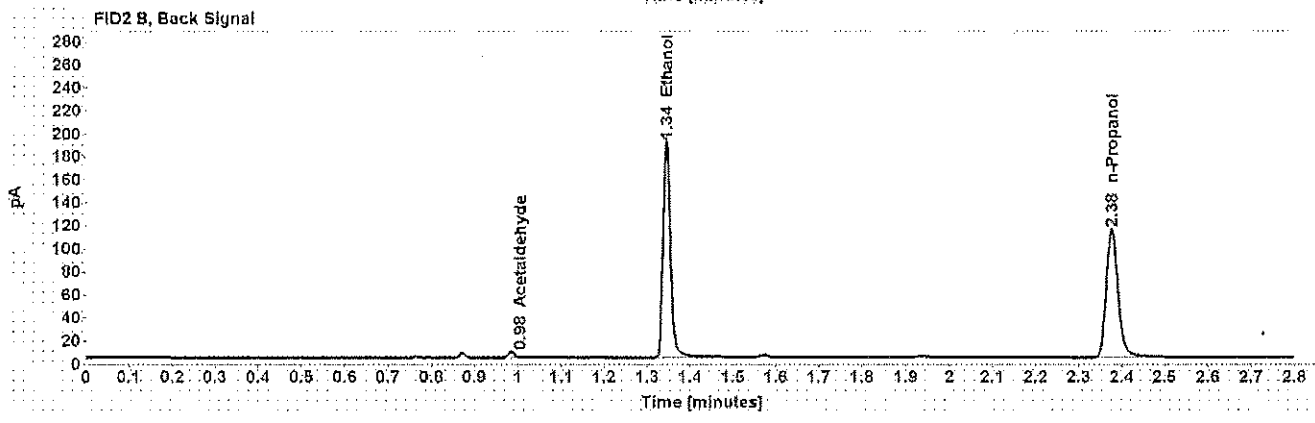
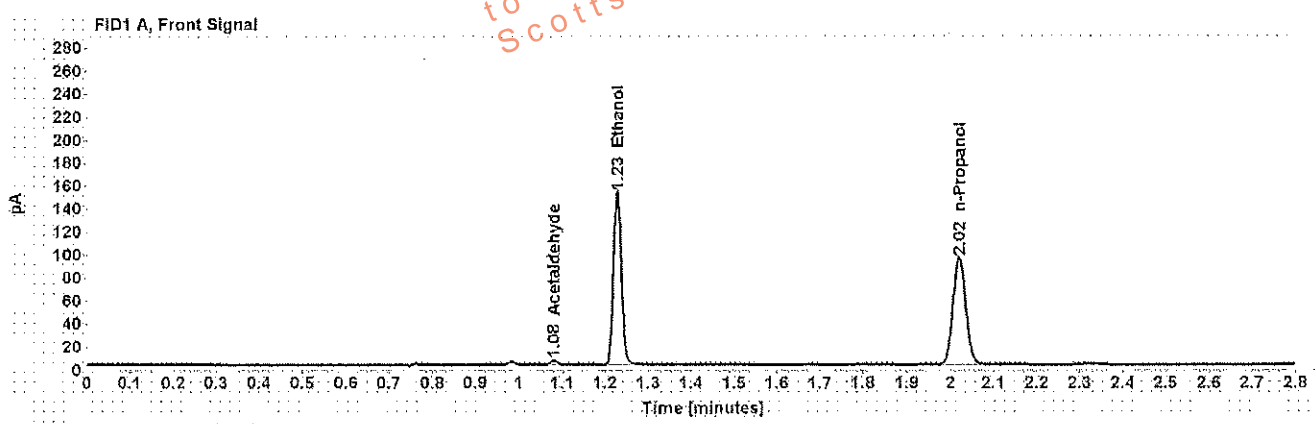


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.858
>Ethanol	0.2842	1.228	193.039
n-Propanol	-----	2.021	190.610

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	4.735
Ethanol	1.345	227.308
n-Propanol	2.377	215.570

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1154301
Injection date: 10/23/2017 5:53:54 PM	Vial: 34
Method: ethanol.quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\34.D	

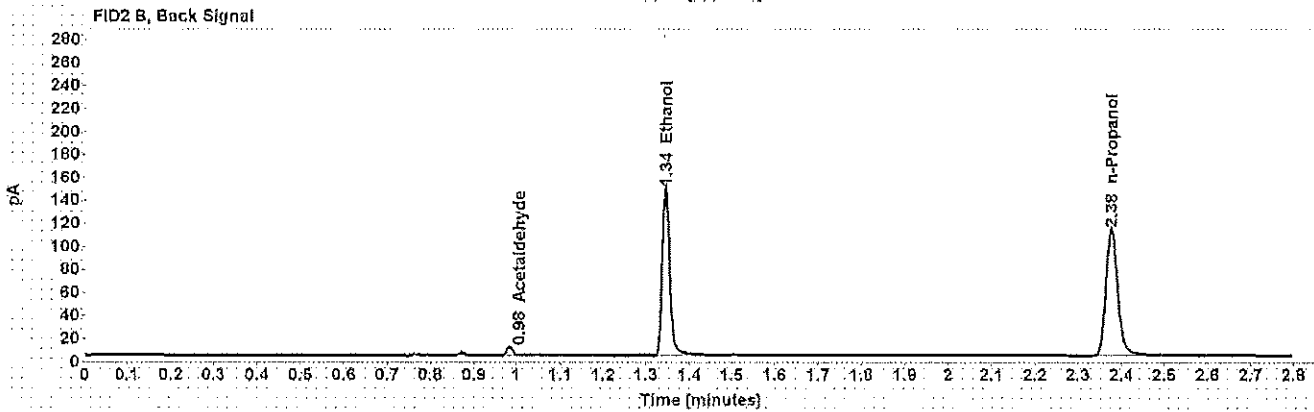
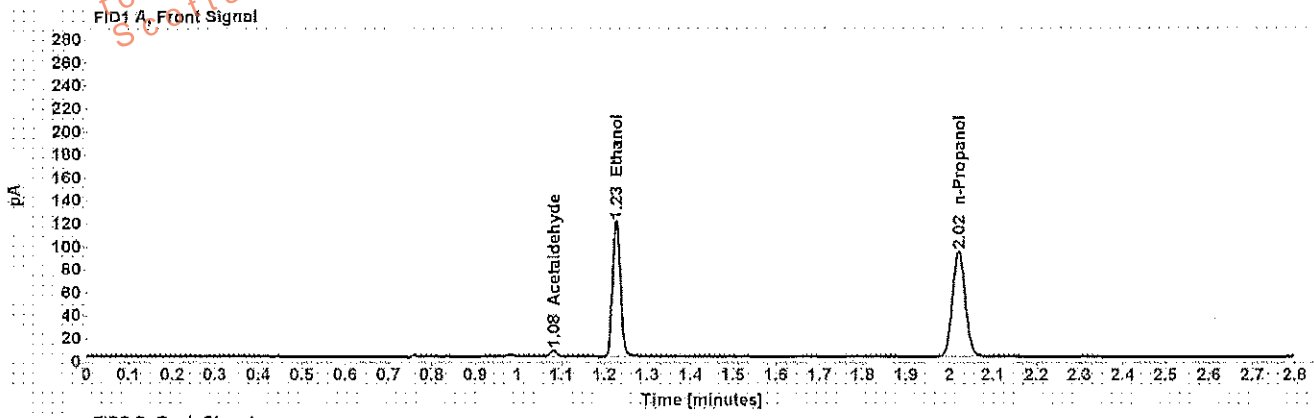


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.548
>Ethanol	0.2270	1.228	151.836
n-Propanol	-----	2.021	187.887

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.829
Ethanol	1.345	176.645
n-Propanol	2.376	213.063

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1154301
Injection date: 10/23/2017 5:57:54 PM	Vial: 35
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\35.D	

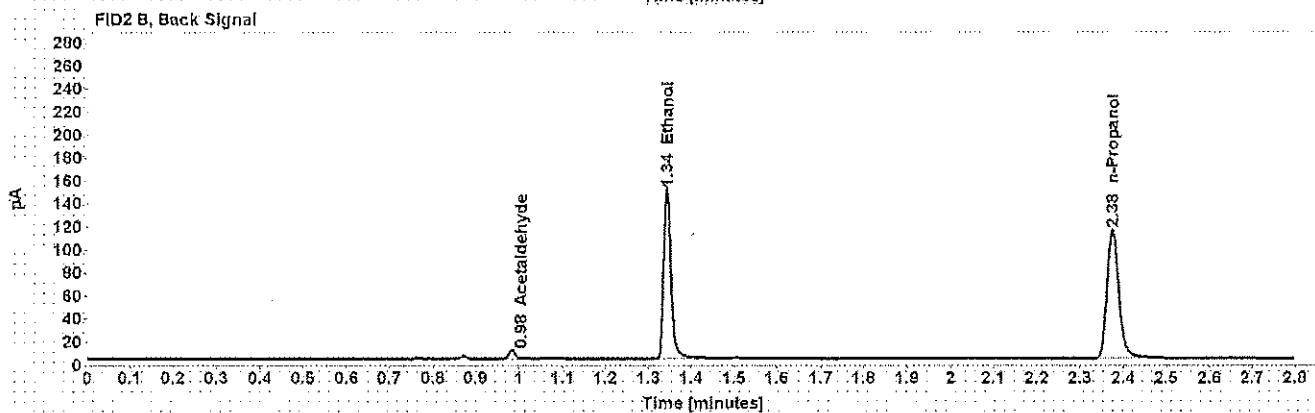
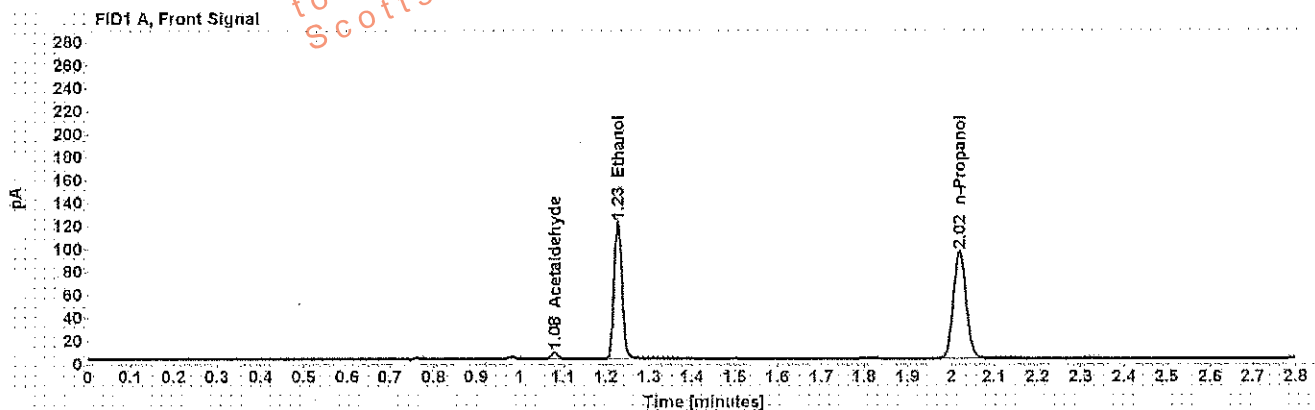


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.595
>Ethanol	0.2251	1.227	152.897
n-Propanol	-----	2.020	190.808

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.864
Ethanol	1.343	177.835
n-Propanol	2.375	216.685

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1176562
Injection date: 10/23/2017 6:01:53 PM	Vial: 36
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\36.D	

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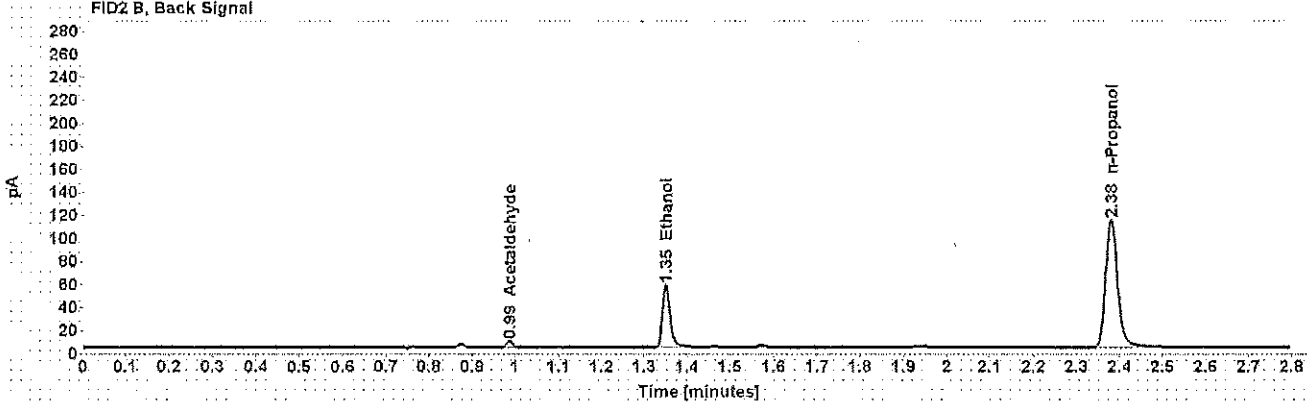
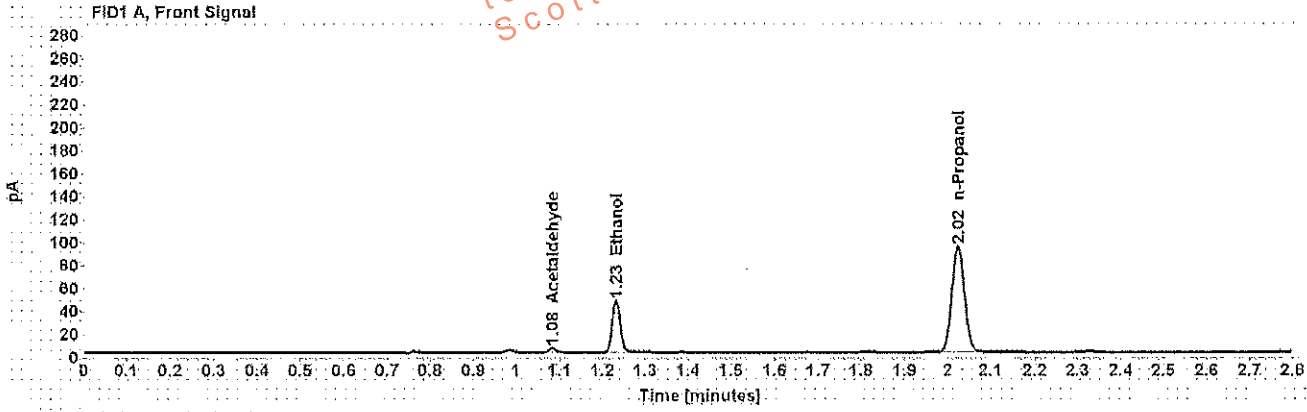


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	3.934
>Ethanol	0.0883	1.231	58.900
n-Propanol	-----	2.023	188.940

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	4.766
Ethanol	1.350	67.466
n-Propanol	2.381	215.034



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1176562
<b>Injection date:</b> 10/23/2017 6:06:09 PM	<b>Vial:</b> 37
<b>Method:</b> ethanol.quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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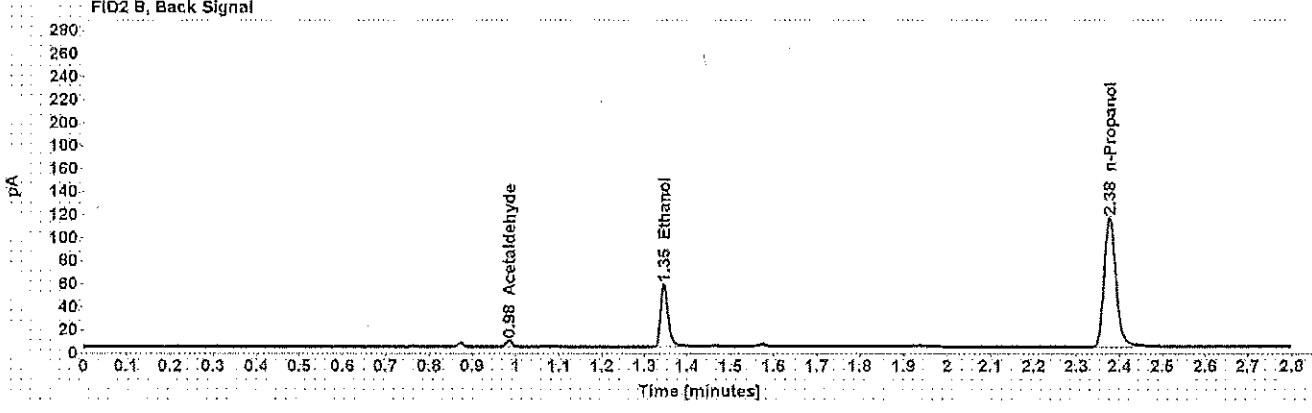
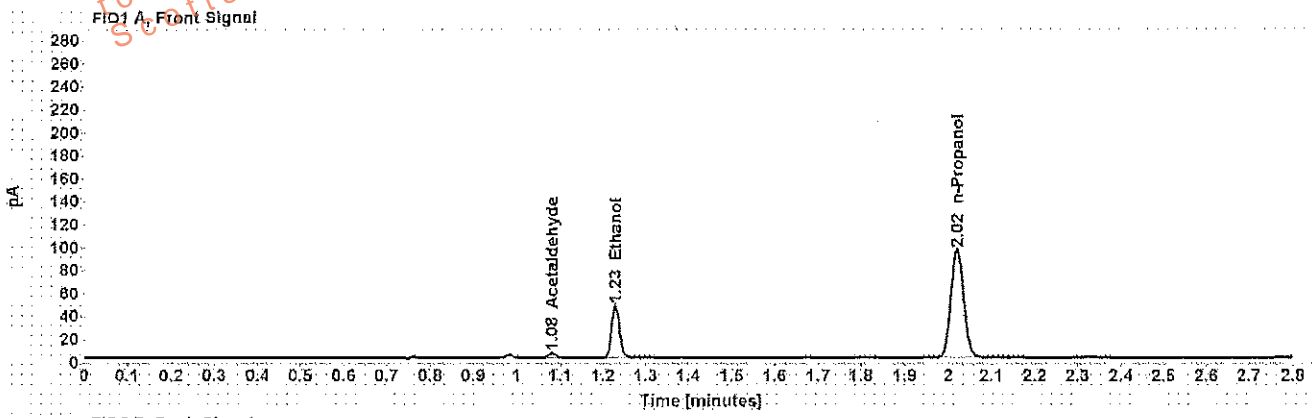


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.008
>Ethanol	0.0867	1.228	58.511
n-Propanol	-----	2.021	191.217

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.951
Ethanol	1.346	66.930
n-Propanol	2.376	218.356

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1177053
Injection date: 10/23/2017 6:10:08 PM	Vial: 38
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\23Oct17\38.D	

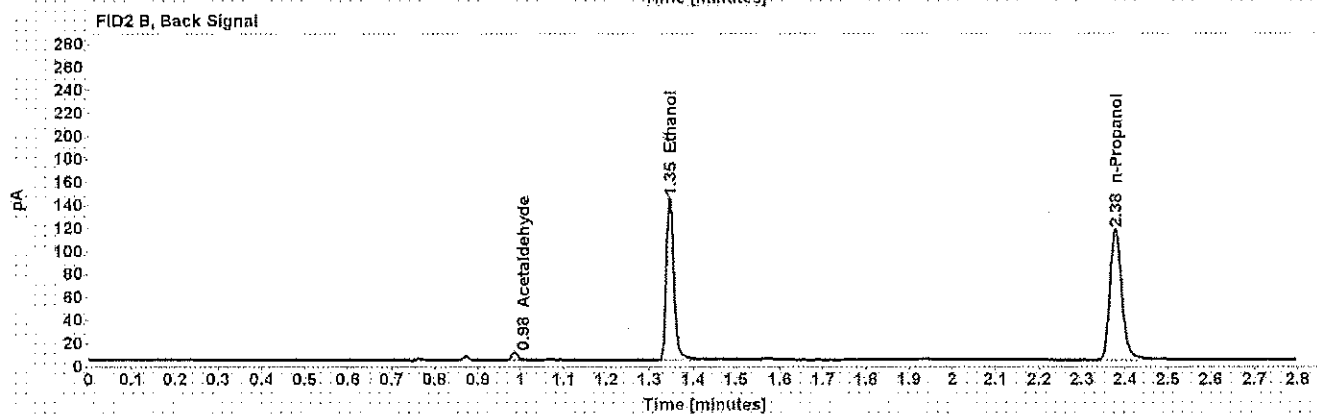
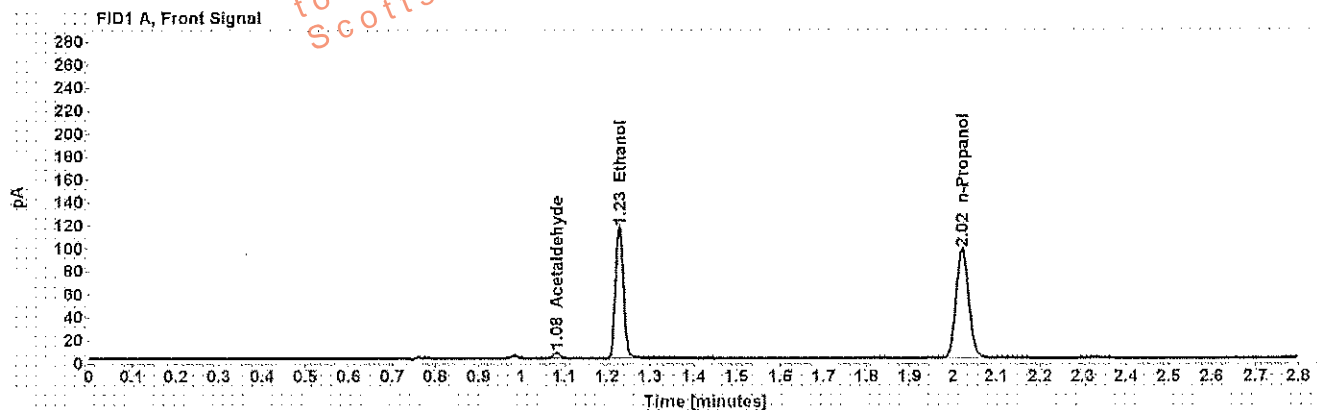


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.108
>Ethanol	0.2141	1.228	146.935
n-Propanol	-----	2.021	192.862

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	6.218
Ethanol	1.346	172.574
n-Propanol	2.377	220.303

## Scottsdale Police Department Crime Lab Volatiles Analysis

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<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1177053
<b>Injection date:</b> 10/23/2017 6:14:09 PM	<b>Vial:</b> 39
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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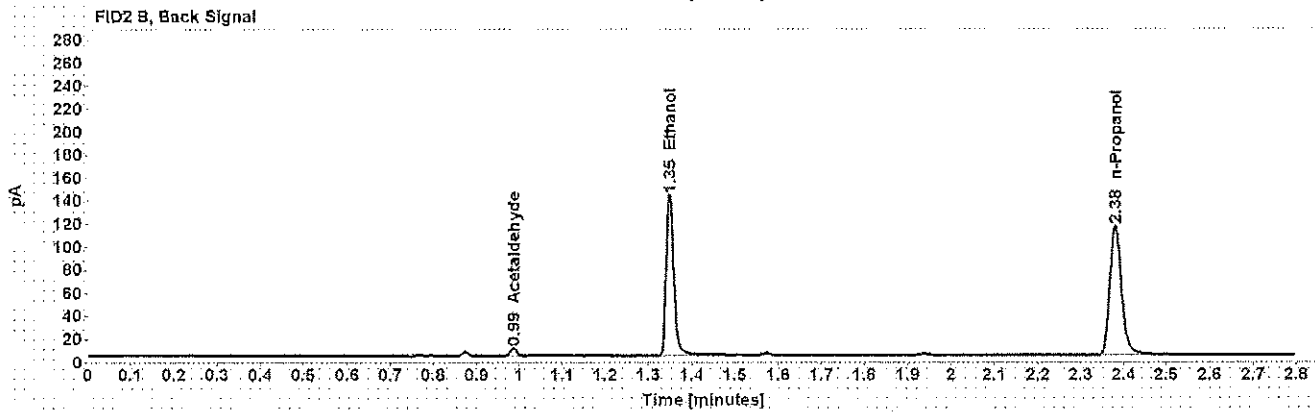
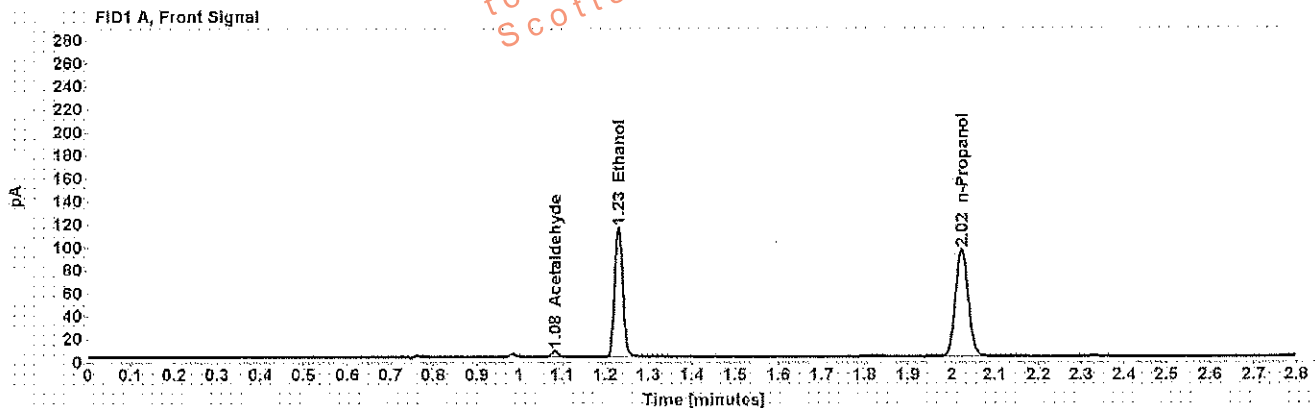


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	5.076
>Ethanol	0.2148	1.231	146.894
n-Propanol	-----	2.023	192.087

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	6.224
Ethanol	1.349	172.509
n-Propanol	2.380	217.968

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1176570
<b>Injection date:</b> 10/23/2017 6:18:09 PM	<b>Vial:</b> 40
<b>Method:</b> ethanol.quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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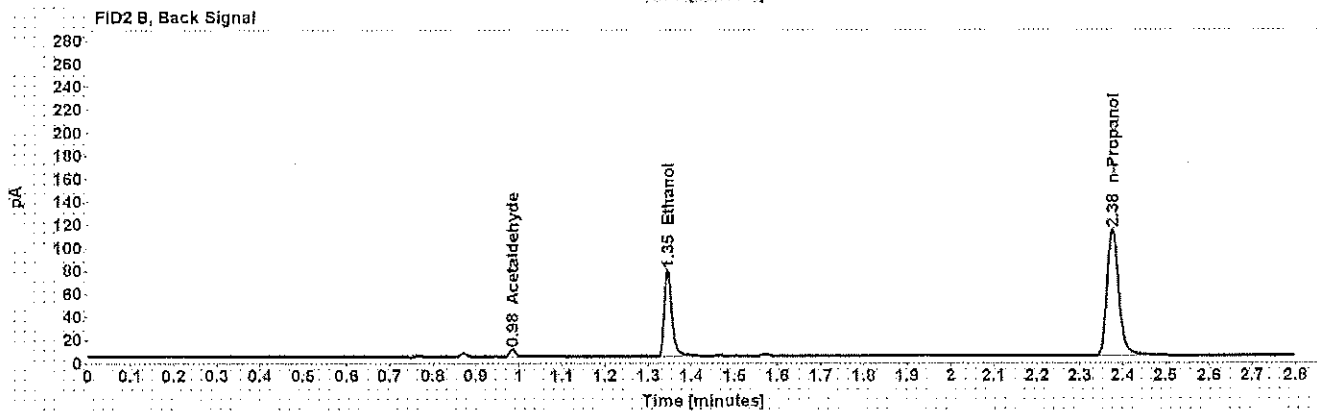
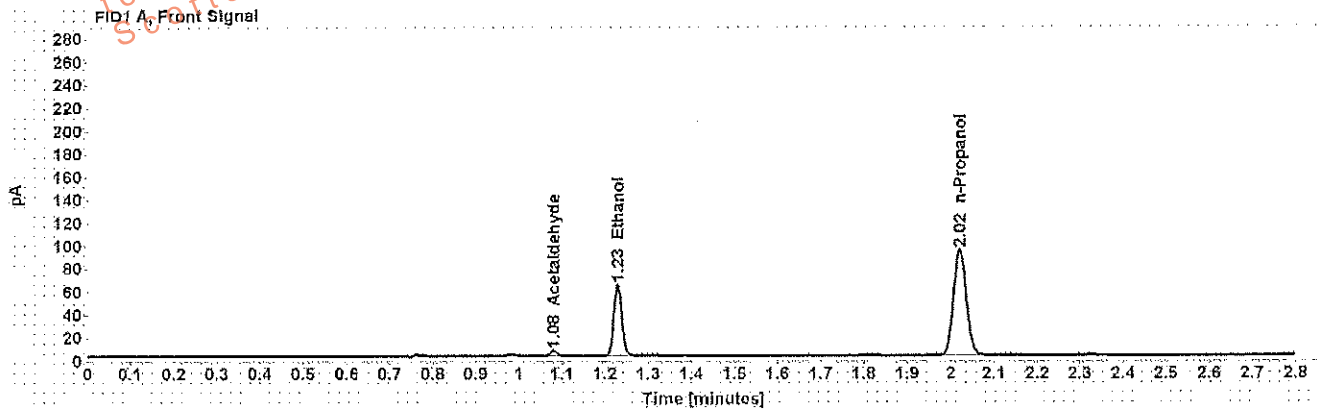


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.763
>Ethanol	0.1207	1.228	80.061
n-Propanol	-----	2.021	187.178

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.839
Ethanol	1.345	93.737
n-Propanol	2.376	213.542

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1176570
<b>Injection date:</b> 10/23/2017 6:22:09 PM	<b>Vial:</b> 41
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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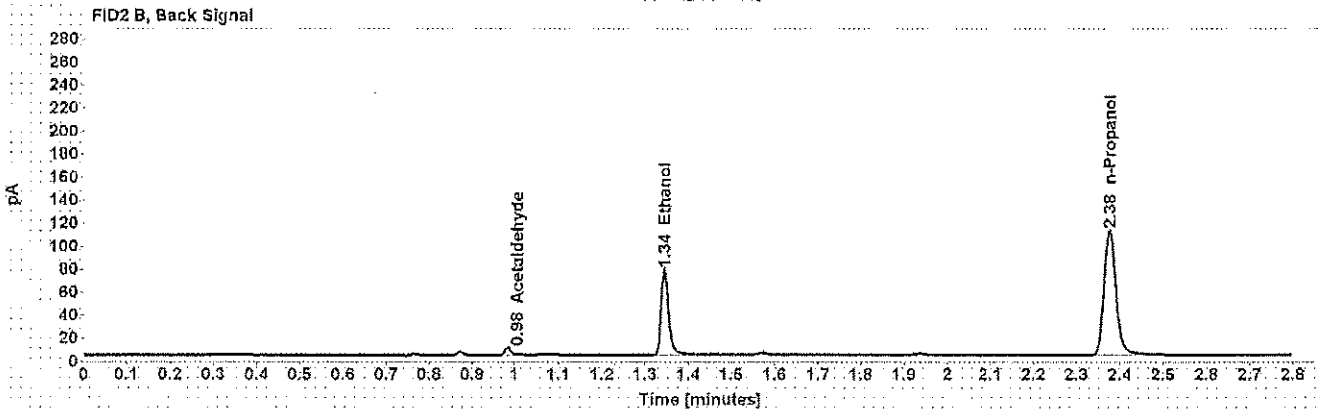
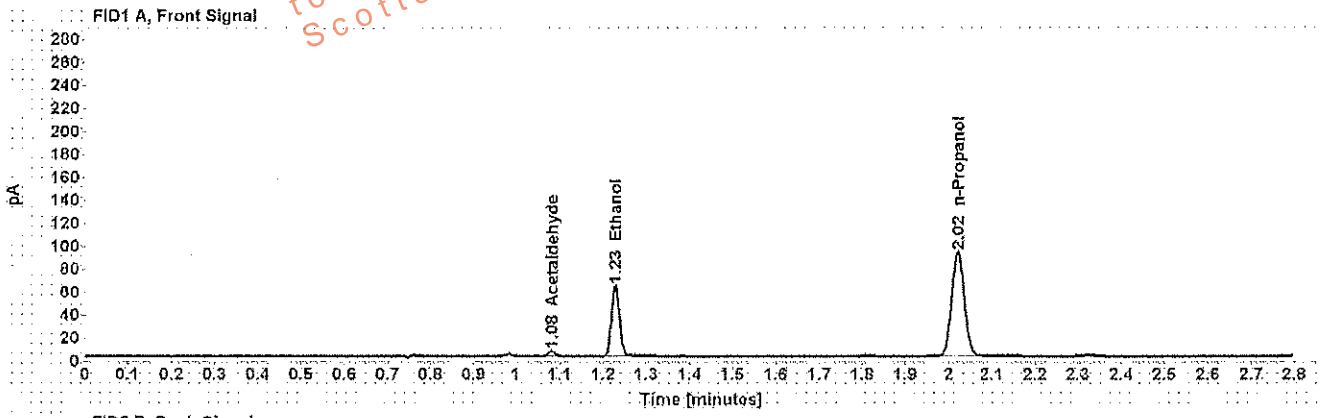


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.750
>Ethanol	0.1206	1.228	78.883
n-Propanol	-----	2.020	184.696

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.820
Ethanol	1.345	92.229
n-Propanol	2.376	210.736

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1176466
Injection date: 10/23/2017 6:30:23 PM	Vial: 43
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\23Oct17\43.D	

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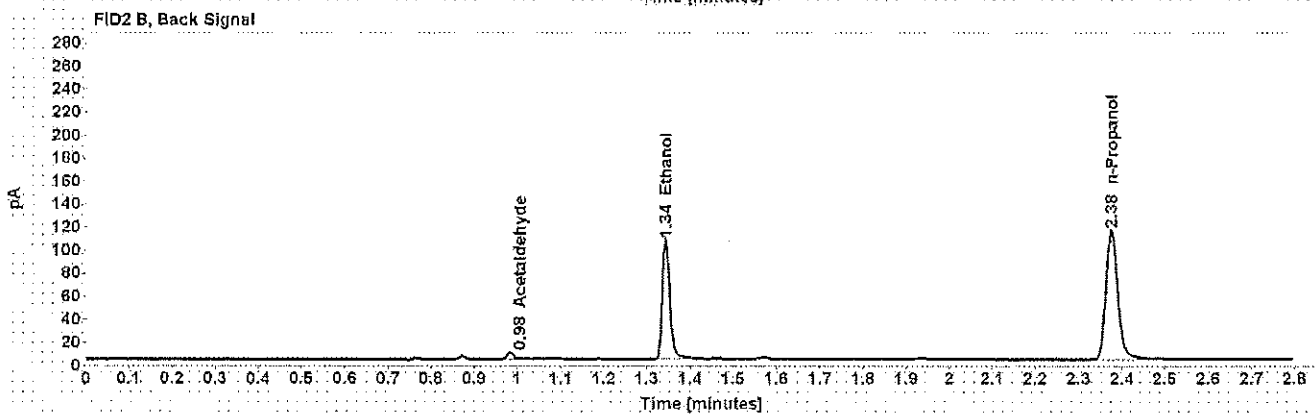
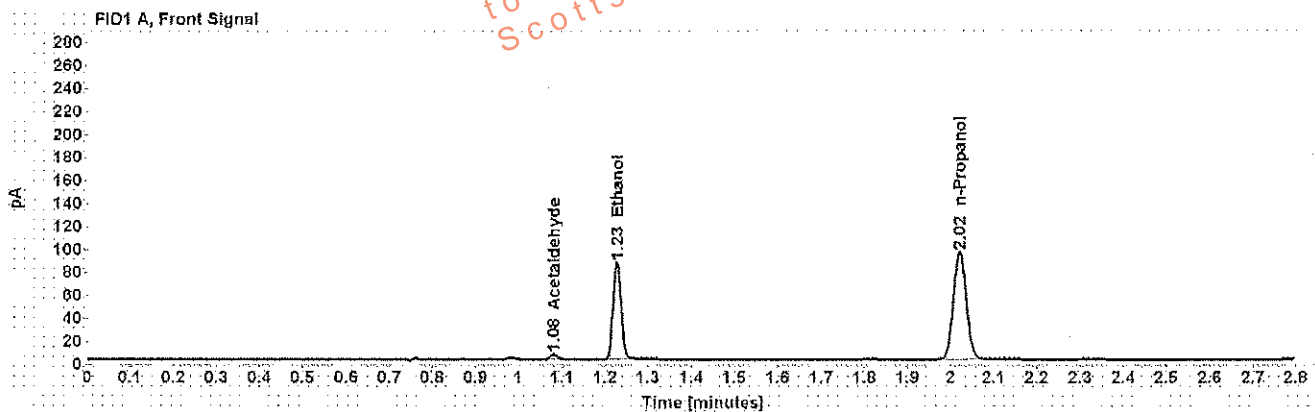


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.453
>Ethanol	0.1609	1.227	109.116
n-Propanol	-----	2.020	190.972

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.473
Ethanol	1.344	128.006
n-Propanol	2.375	218.330

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1176466
<b>Injection date:</b> 10/23/2017 6:34:23 PM	<b>Vial:</b> 44
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Oct17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\23Oct17\44.D	

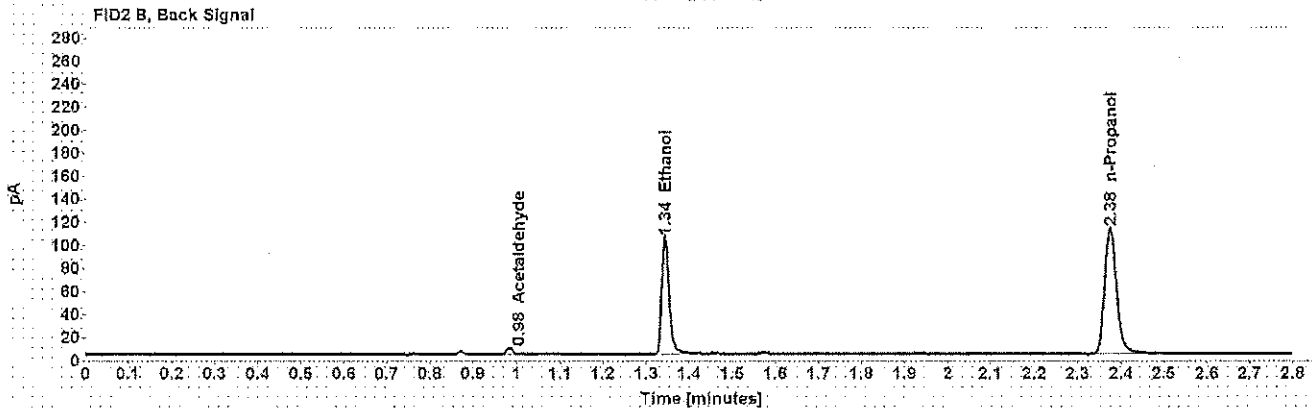
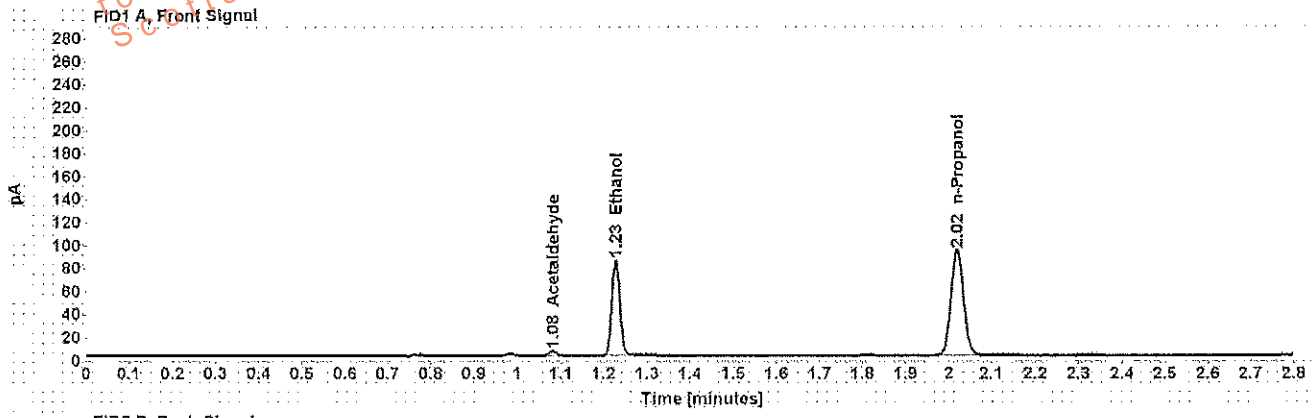


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.273
>Ethanol	0.1609	1.227	106.741
n-Propanol	-----	2.020	186.793

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.289
Ethanol	1.344	125.379
n-Propanol	2.375	213.281

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1175968
Injection date: 10/23/2017 6:38:24 PM	Vial: 45
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\23Oct17\45.D	

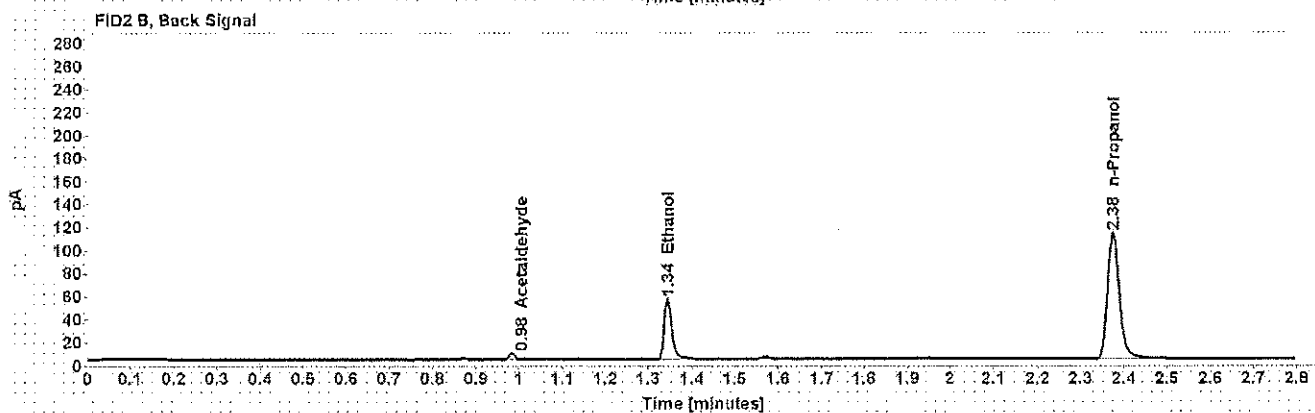
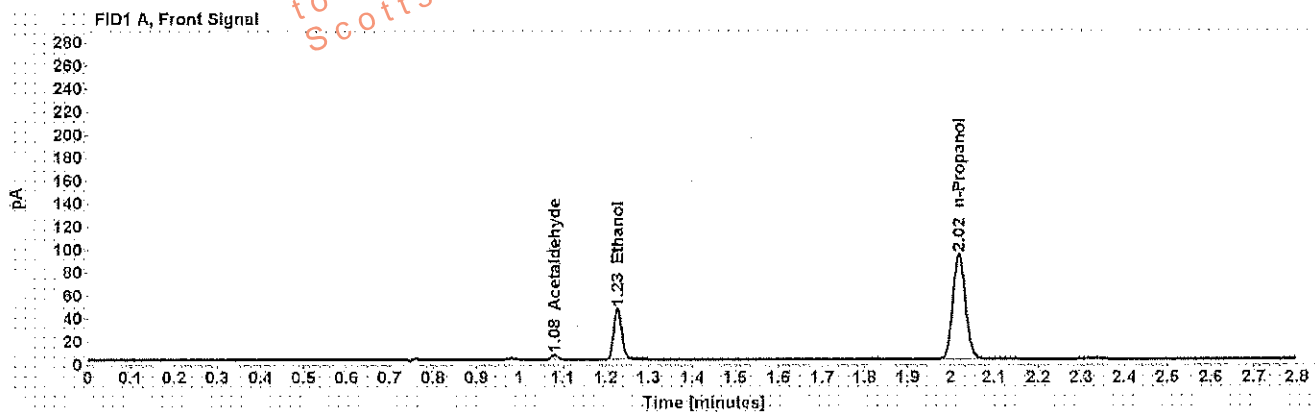


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.084
>Ethanol	0.0863	1.228	56.629
n-Propanol	-----	2.020	185.887

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.034
Ethanol	1.344	64.940
n-Propanol	2.375	211.849



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1175968
Injection date: 10/23/2017 6:42:24 PM	Vial: 46
Method: ethanol quant.M	Sequence: 23Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\23Oct17\46.D	

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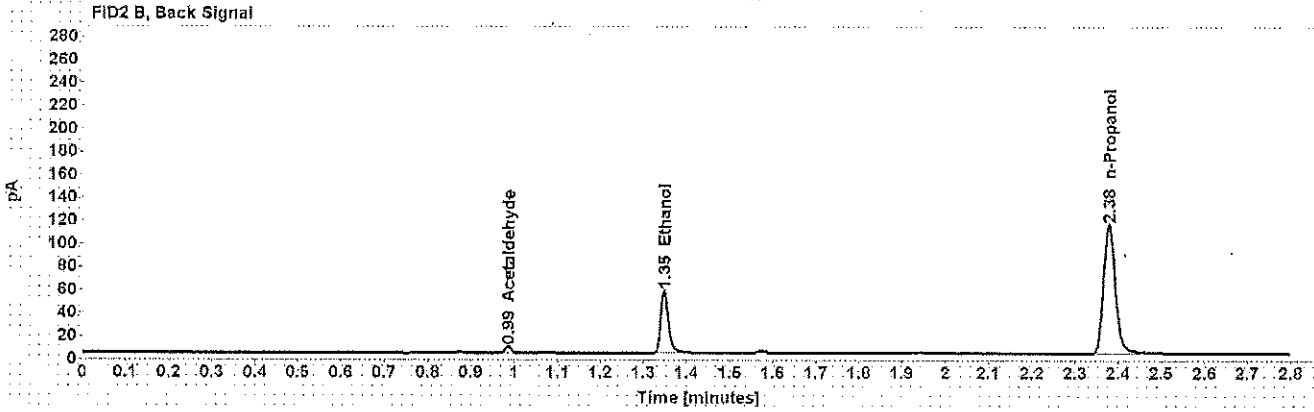
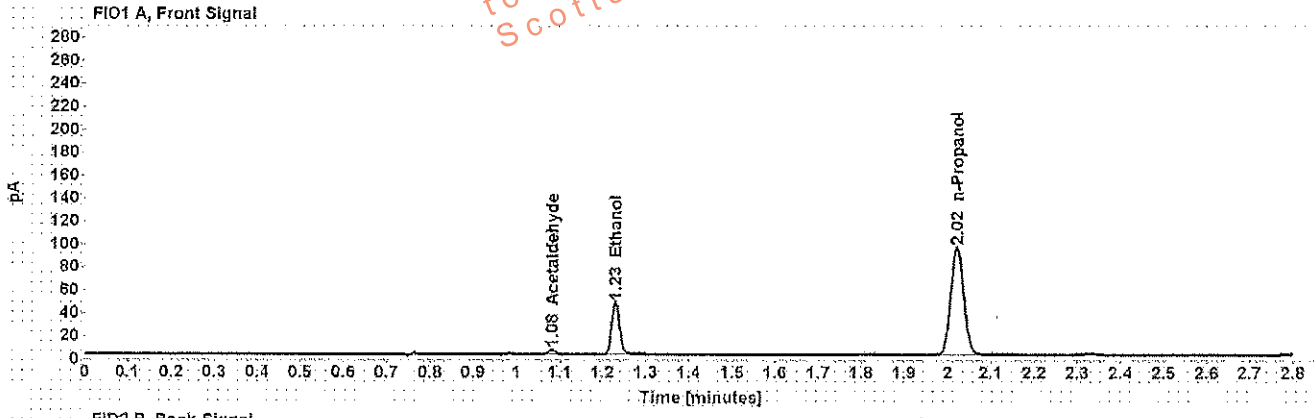


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.175
>Ethanol	0.0873	1.230	58.697
n-Propanol	-----	2.022	190.627

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	5.051
Ethanol	1.348	87.035
n-Propanol	2.379	217.179