

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 3/17/2017 SEQUENCE NAME 17Mar17

### EQUIPMENT

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

### INSTRUMENT CALIBRATION

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

### CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 012517
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.406 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.200 g/dL	0.202 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	0.152 g/dL	Lipomed 09022015-C
36	Aqueous control	0.400 g/dL	0.408 g/dL	Lipomed 08012015-C
37	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
38	Blood control	0.200 g/dL	0.200 g/dL	ACQ 407041529/3
39	Blank	Not detected	Not detected	SPD lab 012517

### SUBJECT SAMPLES

Subjects in the sequence 12 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid  WA B1570 3/20/17 Run valid   
 Run invalid  Analyst KOSECKI 3/21/17 Run invalid  Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

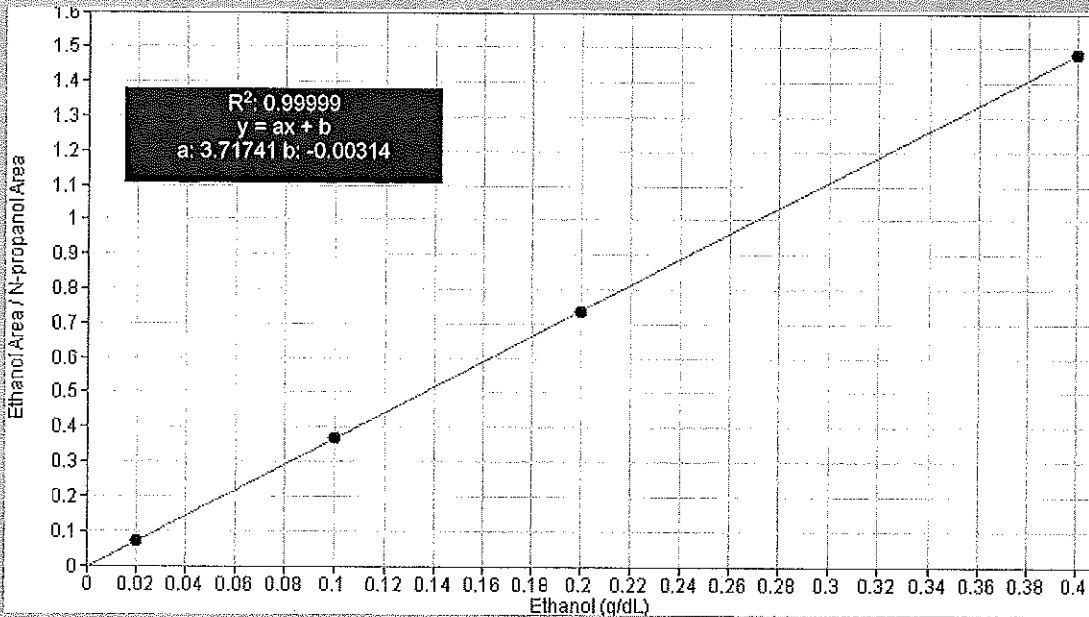
SEQUENCE NAME: 17Mar17

ANALYST: Adrian

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 012517	5	negative	negative	-	-
0.400 Lipomed 68012015-C	7	0.406	0.400	1.50	0.006
0.040 Lipomed 09022015-A	8	0.039	0.040	2.50	-0.001
0.20 ACQ 407041529/3	9	0.202	0.200	1.00	0.002
0.080 Lipomed 28082014-B	20	0.080	0.080	0.00	0.000
0.150 Lipomed 09022015-C	31	0.152	0.150	1.33	0.002
0.40 Lipomed 08012015-C	36	0.408	0.400	2.00	0.008
0.04 Lipomed 09022015-A	37	0.040	0.040	0.00	0.000
0.20 ACQ 407041529/3	38	0.200	0.200	0.00	0.000
blank 012517	39	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	10.593	146.651	0.072
0.100	53.866	146.008	0.369
0.200	107.183	145.251	0.738
0.400	217.566	146.518	1.485

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> 0.020 Cerilliant FN03241604 <b>Injection date:</b> 3/17/2017 1:21:49 PM <b>Method:</b> ethanol quant.M <b>Instrument:</b> US14173023 CN14160045 <b>Data file:</b> C:\Chem32\1\Data\17Mar17\1.D	<b>Item number:</b> <b>Vial:</b> 1 <b>Sequence:</b> 17Mar17 <b>Analyst:</b> Adrian
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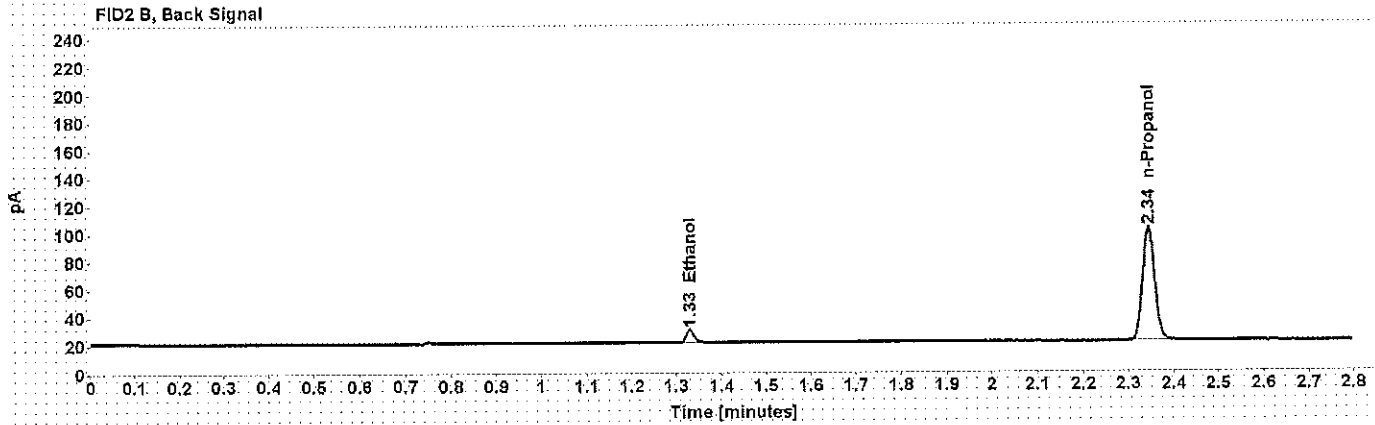
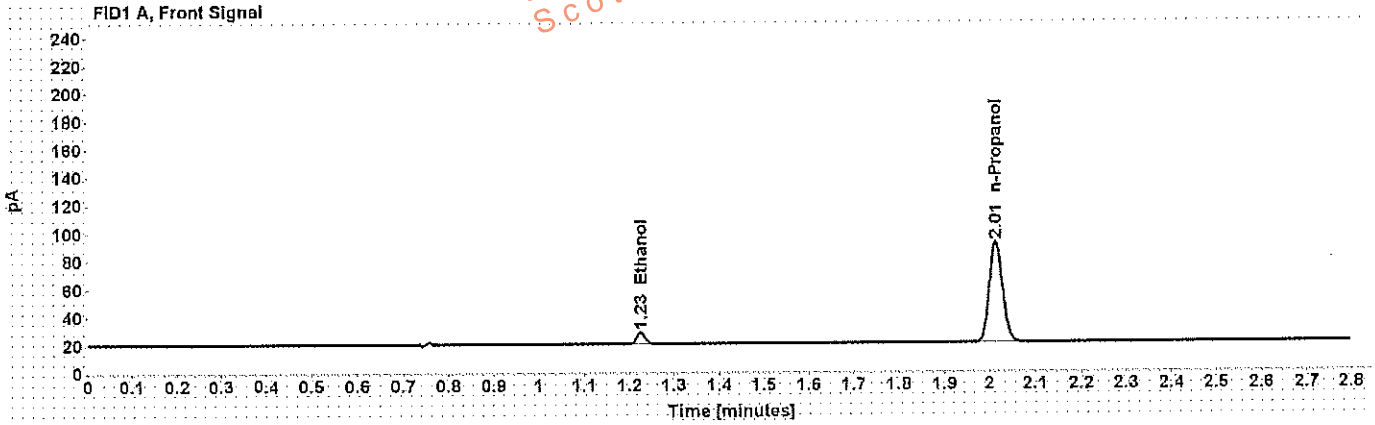


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	10.593
n-Propanol	2.014	146.651

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

Compound	Time (min)	Peak Area
Ethanol	1.329	10.743
n-Propanol	2.344	150.868

WHA

# Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:** 0.100 Cerilliant FN06181501 **Item number:**  
**Injection date:** 3/17/2017 1:26:50 PM **Vial:** 2  
**Method:** ethanol quant.M **Sequence:** 17Mar17  
**Instrument:** US14173023 CN14160045 **Analyst:** Adrian  
**Data file:** C:\Chem32\11\Data\17Mar17\2.D

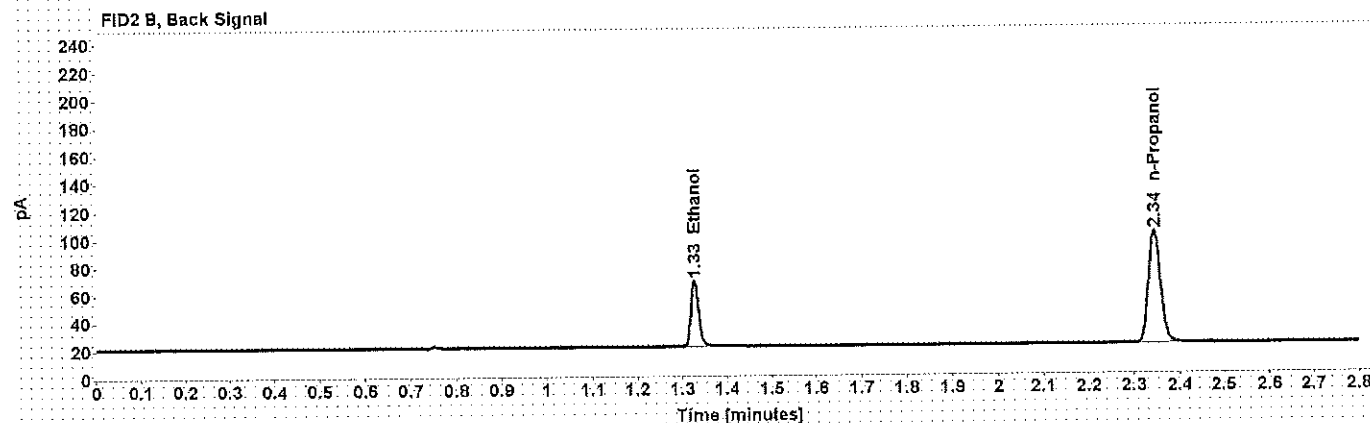
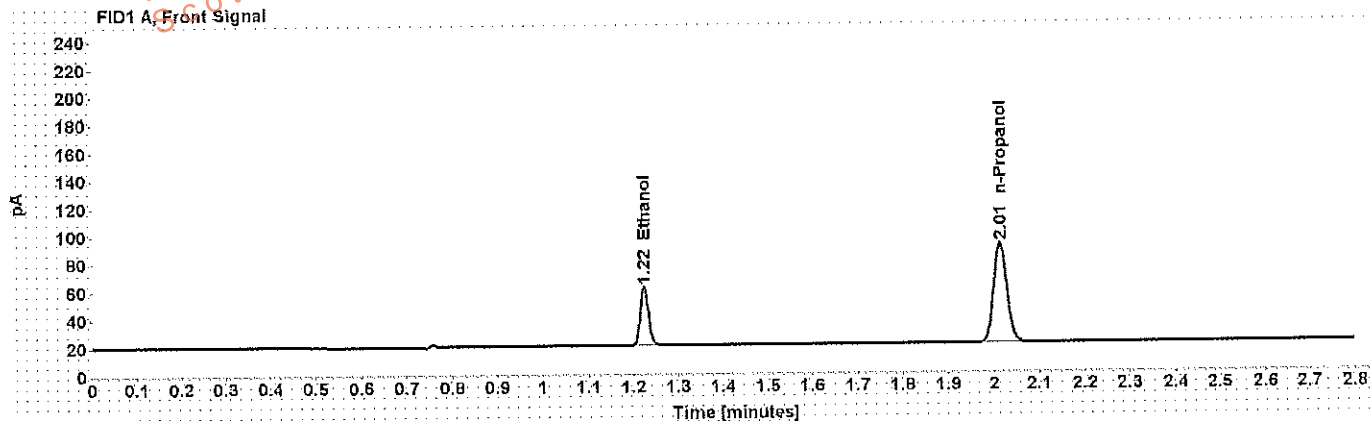


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	53.866
n-Propanol	2.014	146.008

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

Compound	Time (min)	Peak Area
Ethanol	1.327	55.339
n-Propanol	2.345	150.247

WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:** 0.200 Cerilliant FN07201502 **Item number:**  
**Injection date:** 3/17/2017 1:29:50 PM **Vial:** 3  
**Method:** ethanol quant.M **Sequence:** 17Mar17  
**Instrument:** US14173023 CN14160045 **Analyst:** Adrian  
**Data file:** C:\Chem3211\Data\17Mar17\13.D

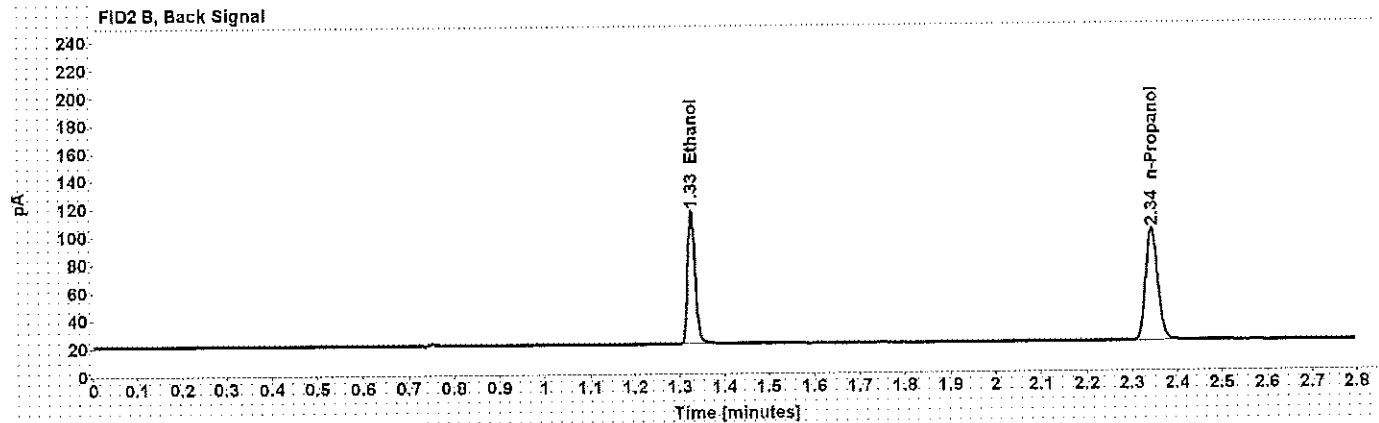
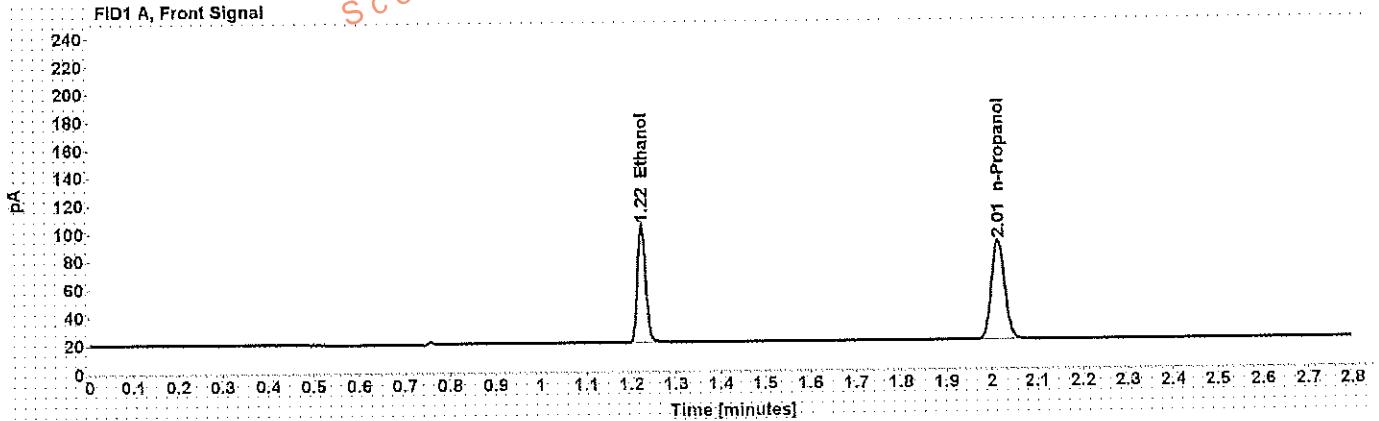


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	107.183
n-Propanol	2.014	145.251

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

Compound	Time (min)	Peak Area
Ethanol	1.326	110.677
n-Propanol	2.344	149.338

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 3/17/2017 1:33:49 PM	Vial: 4
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\4.D	

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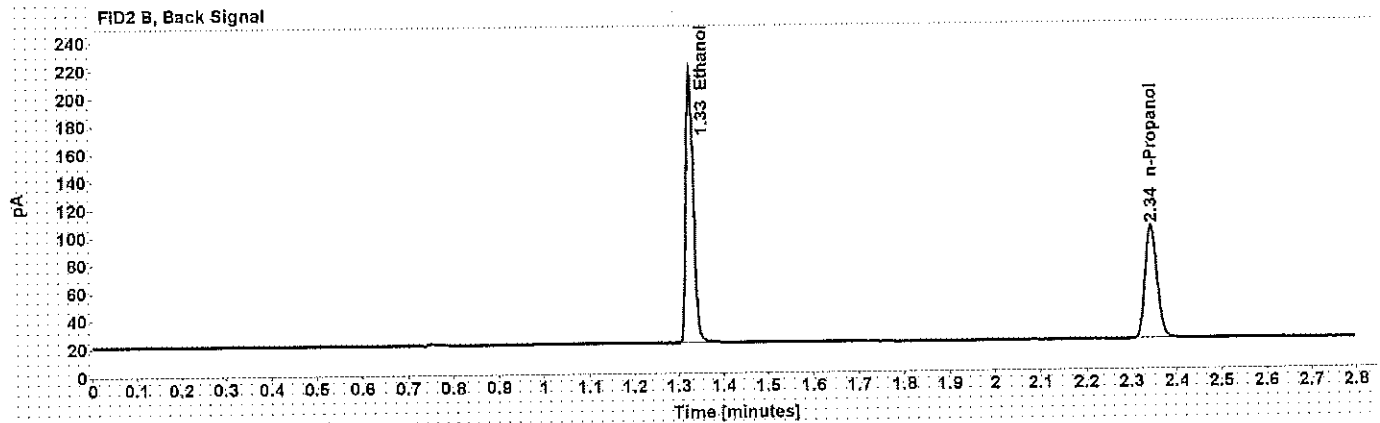
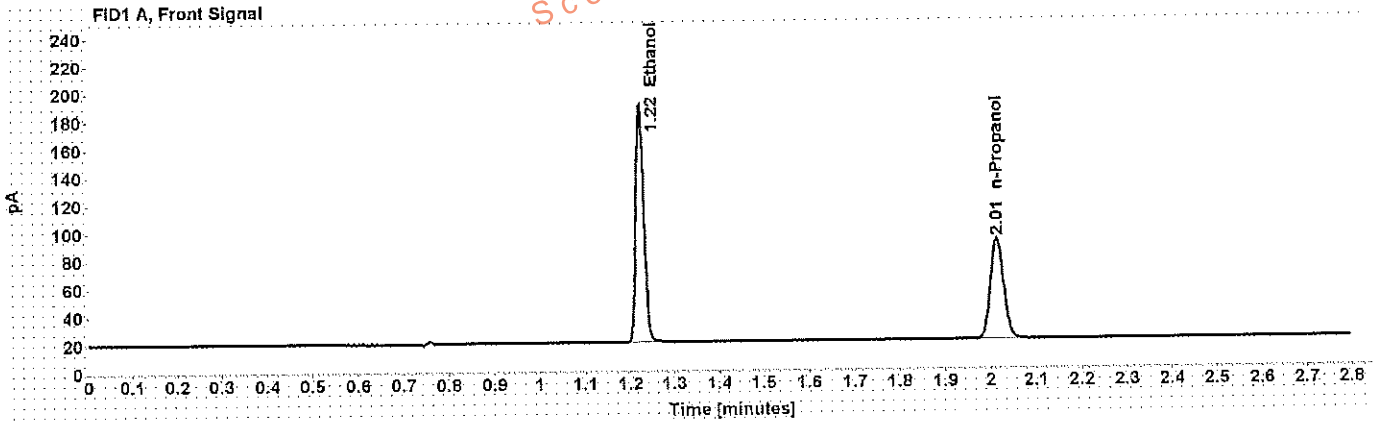


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	217.566
n-Propanol	2.014	146.518

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

Compound	Time (min)	Peak Area
Ethanol	1.325	225.334
n-Propanol	2.344	150.760

244

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 012517  
 Injection date: 3/17/2017 1:37:49 PM  
 Method: ethanol quant.M  
 Instrument: US14173023 CN14160045  
 Data file: C:\Chem3211\Data\17Mar17\5.D

Item number:  
 Vial: 5  
 Sequence: 17Mar17  
 Analyst: Adrian

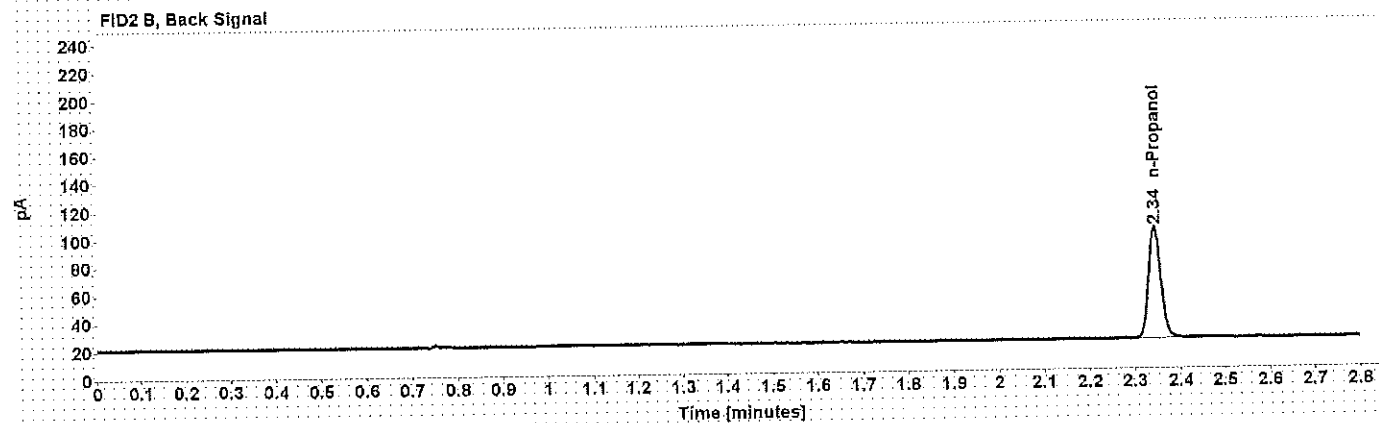
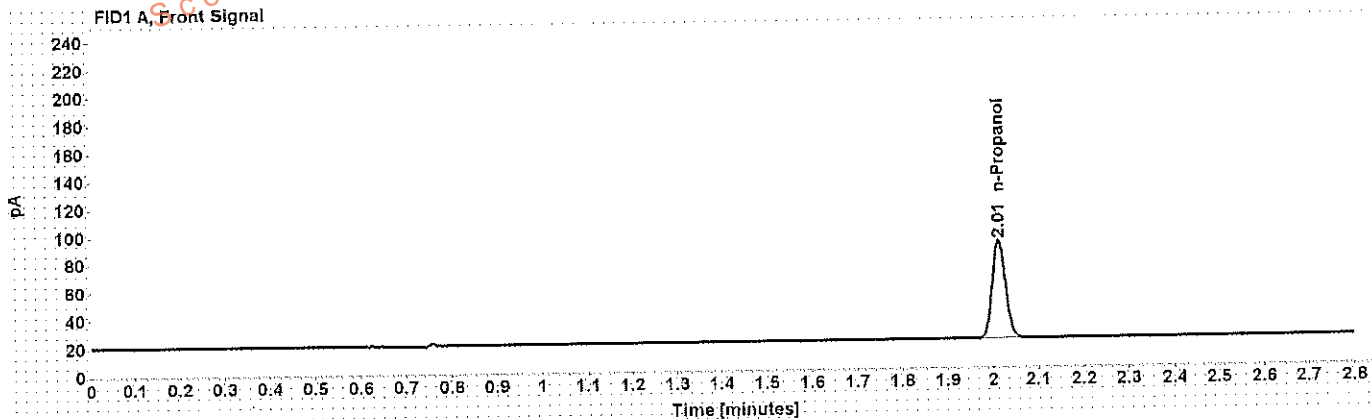


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	143.599

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	147.732



# Scottsdale Police Department Crime Lab Volatiles Analysis

WJ

<b>Sample:</b> volatiles mix 020917 WLA	<b>Item number:</b>
<b>Injection date:</b> 3/17/2017 1:41:49 PM	<b>Vial:</b> 6
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023-CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\17Mar17\6.D	

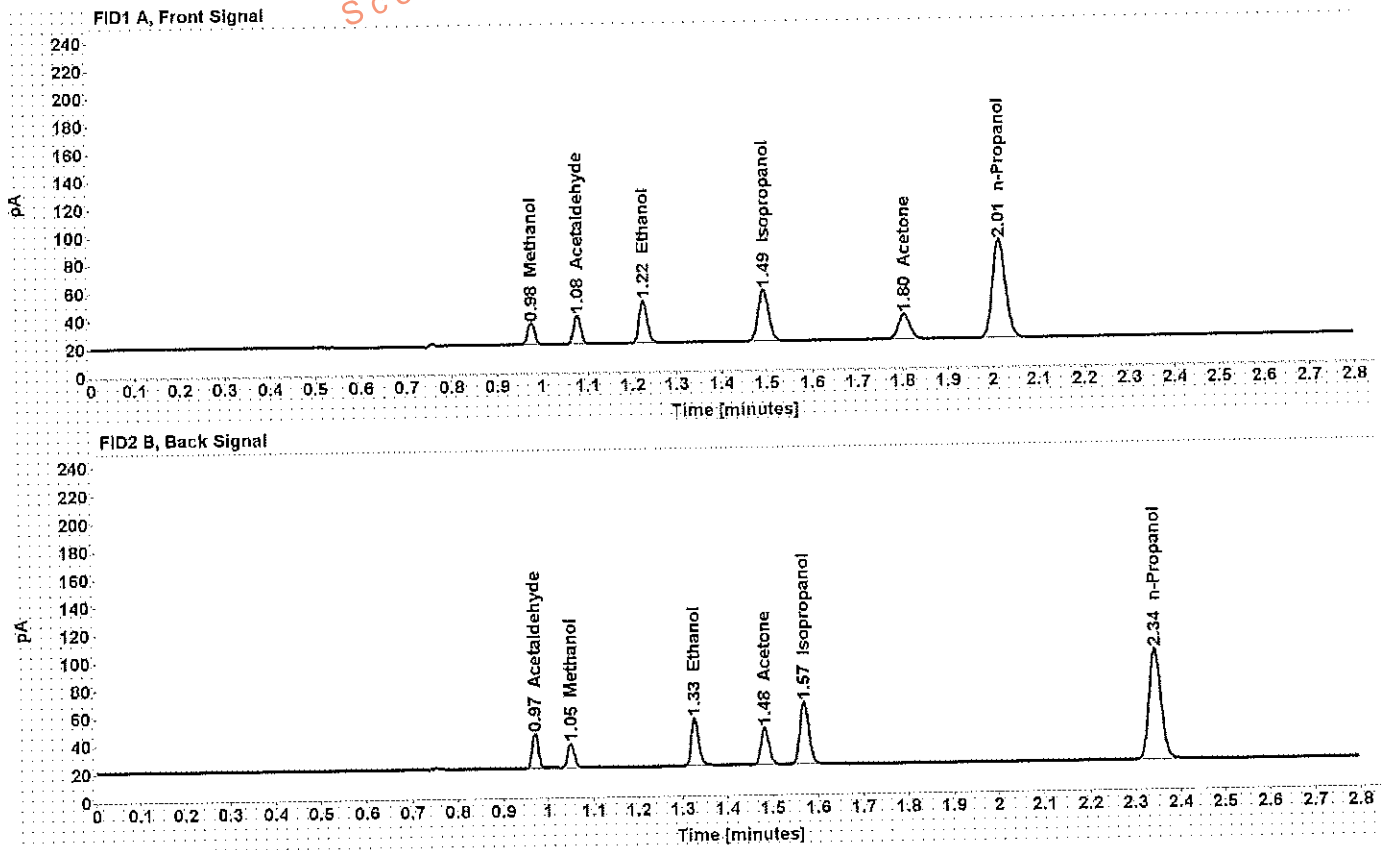


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.976	17.224
Acetaldehyde	-----	1.077	22.424
>Ethanol	0.0736	1.224	38.847
Isopropanol	-----	1.493	60.409
Acetone	-----	1.803	32.116
n-Propanol	-----	2.014	143.731

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	23.830
Methanol	1.050	17.736
Ethanol	1.327	39.766
Acetone	1.482	32.801
Isopropanol	1.569	62.519
n-Propanol	2.344	147.985



# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 3/17/2017 1:46:04 PM	Vial: 7
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\17Mar17\17.D	

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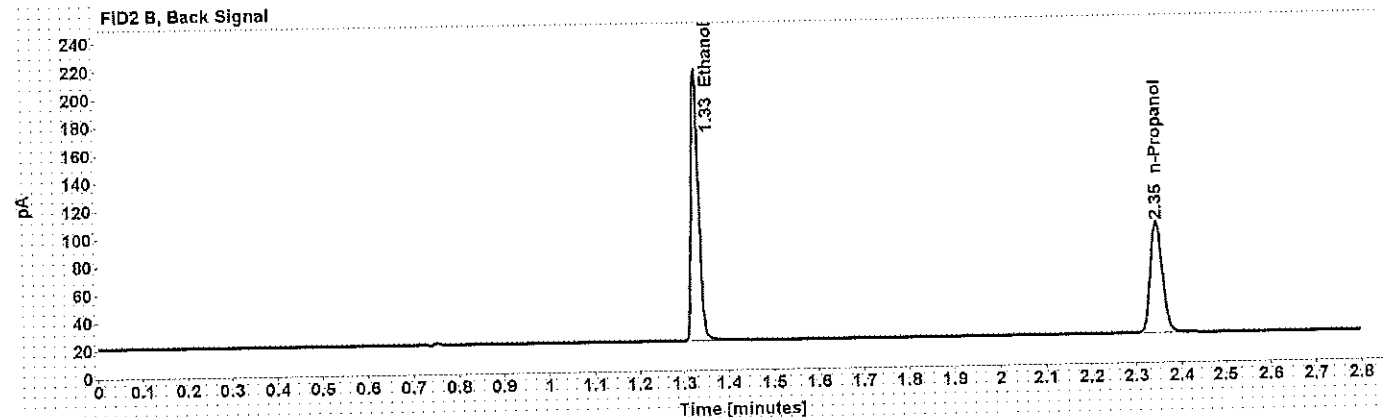
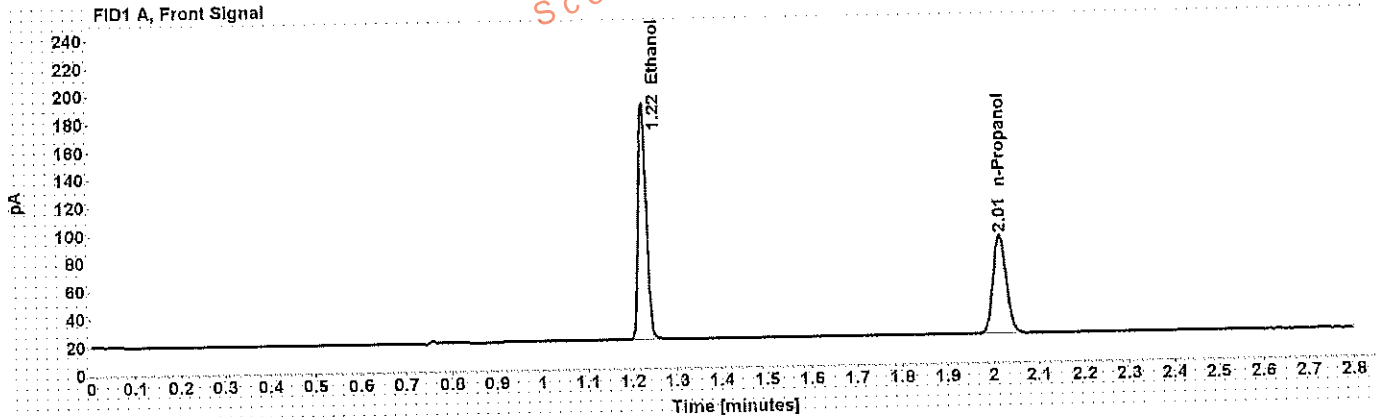


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4064	1.224	217.334
n-Propanol	-----	2.015	144.140

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

Compound	Time (min)	Peak Area
Ethanol	1.328	225.134
n-Propanol	2.346	148.280

WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 09022015-A  
 Injection date: 3/17/2017 1:50:04 PM  
 Method: ethanol quant.M  
 Instrument: US14173023 CN14160045  
 Data file: C:\Chem3211\Data\17Mar17\8.D

Item number:  
 Vial: 8  
 Sequence: 17Mar17  
 Analyst: Adrian

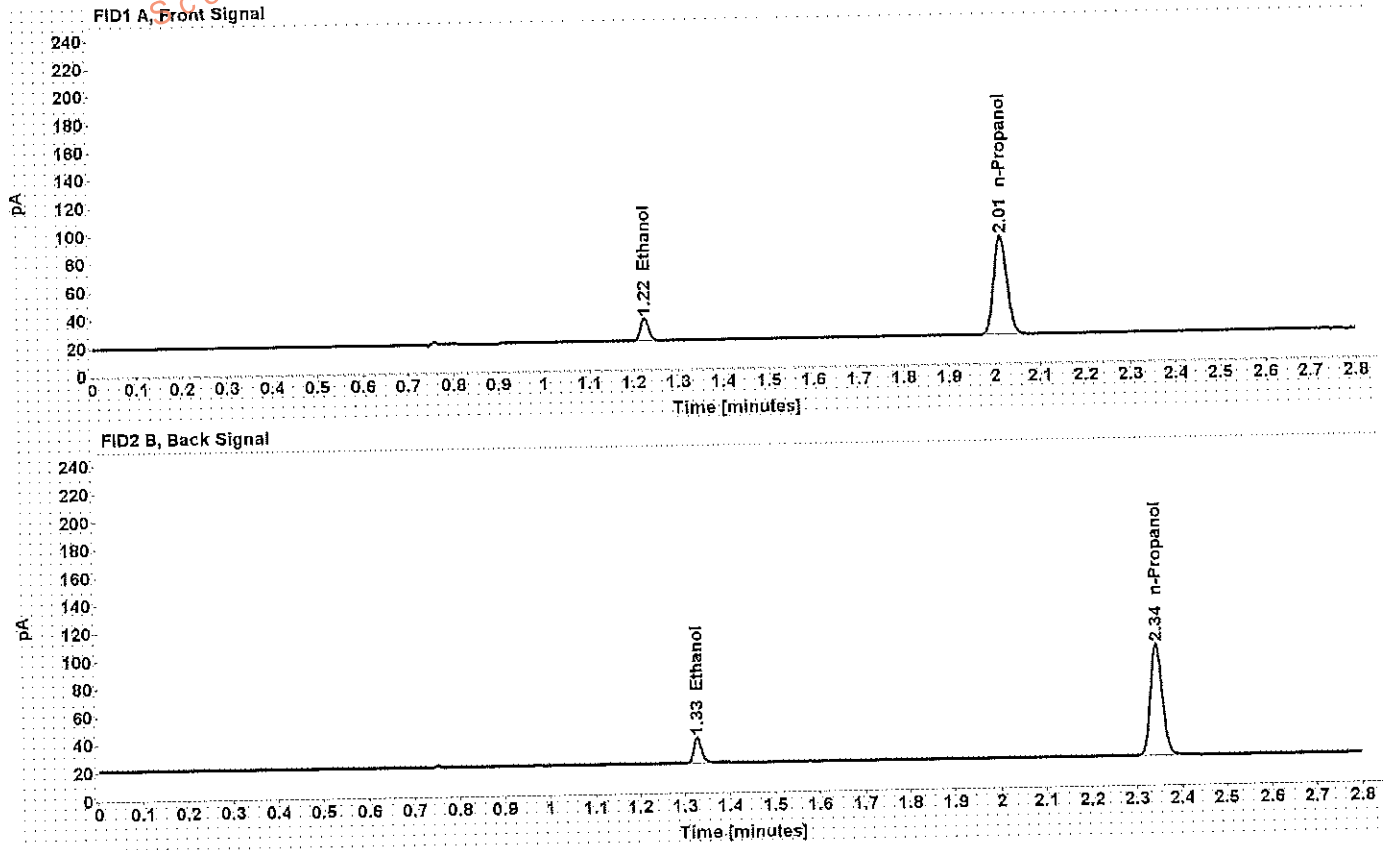


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0395	1.224	20.746
n-Propanol	-----	2.014	144.368

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

Compound	Time (min)	Peak Area
Ethanol	1.328	21.298
n-Propanol	2.344	148.715

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 407041529/3	Item number: 9
Injection date: 3/17/2017 1:54:04 PM	Vial: 17Mar17
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\9.D	

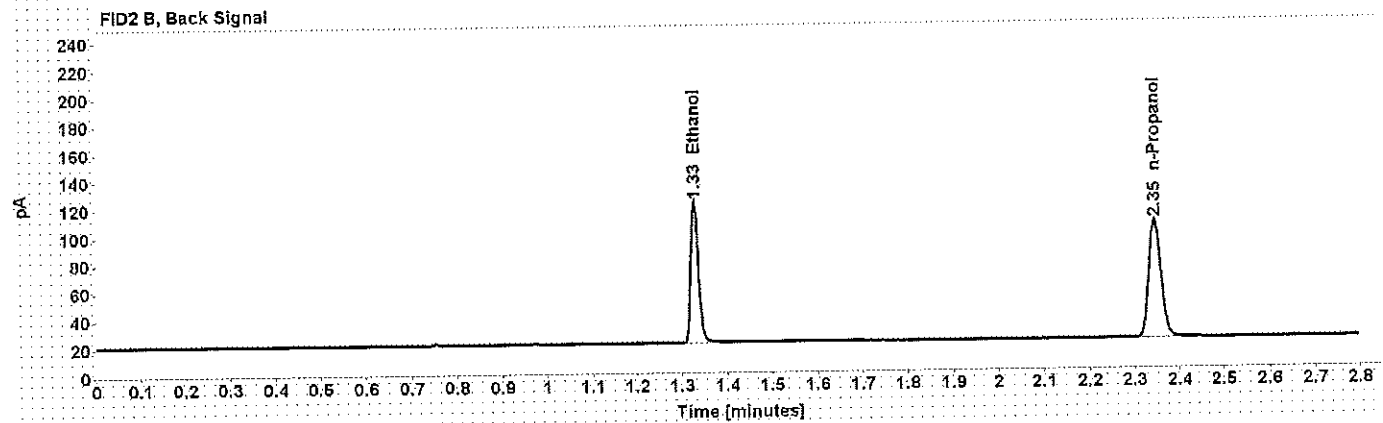
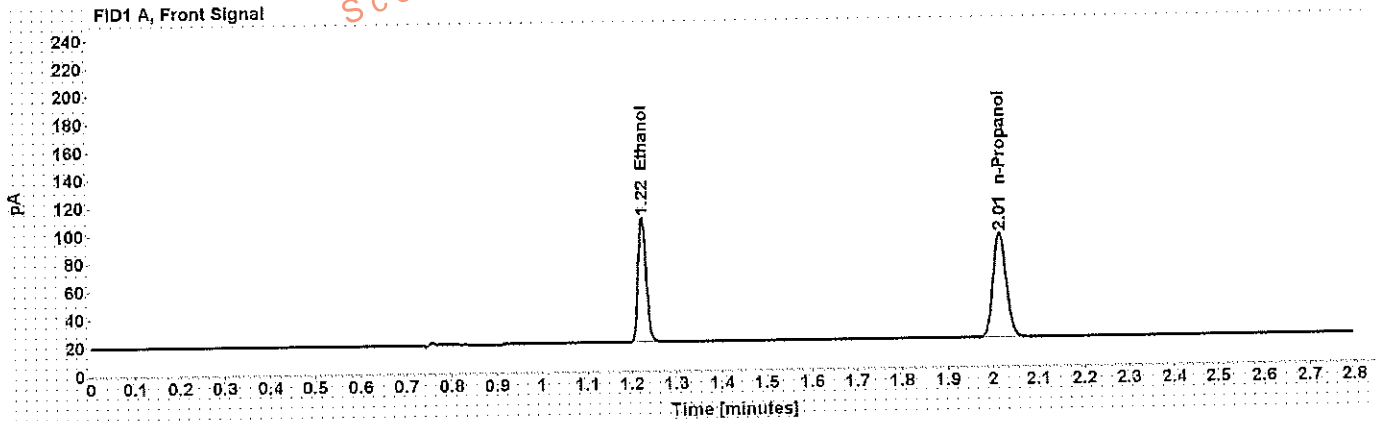


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.224	114.173
n-Propanol	-----	2.015	152.665

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

Compound	Time (min)	Peak Area
Ethanol	1.328	117.909
n-Propanol	2.346	157.417

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 3/17/2017 2:38:34 PM	Vial: 20
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\20.D	

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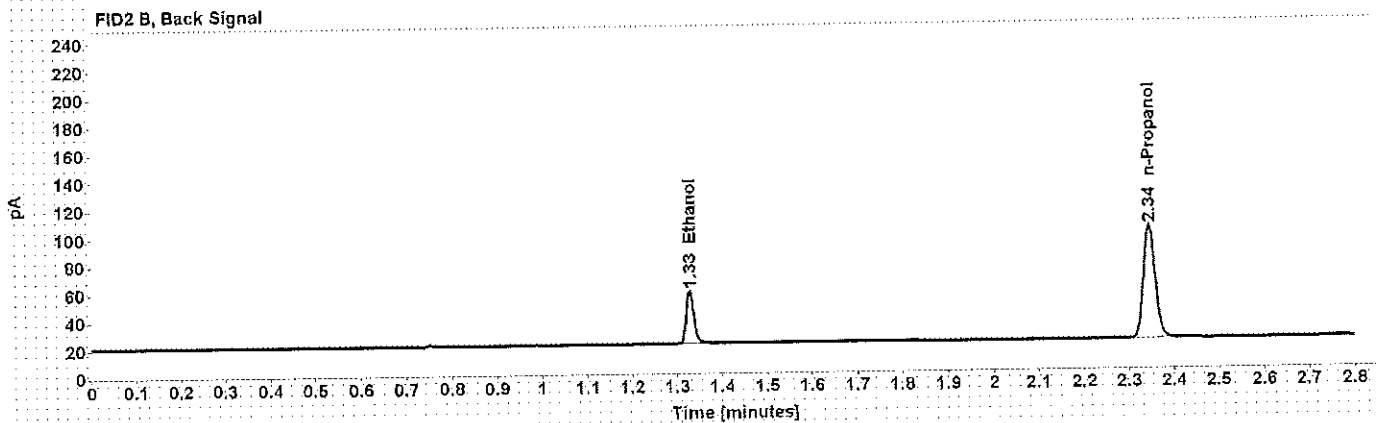
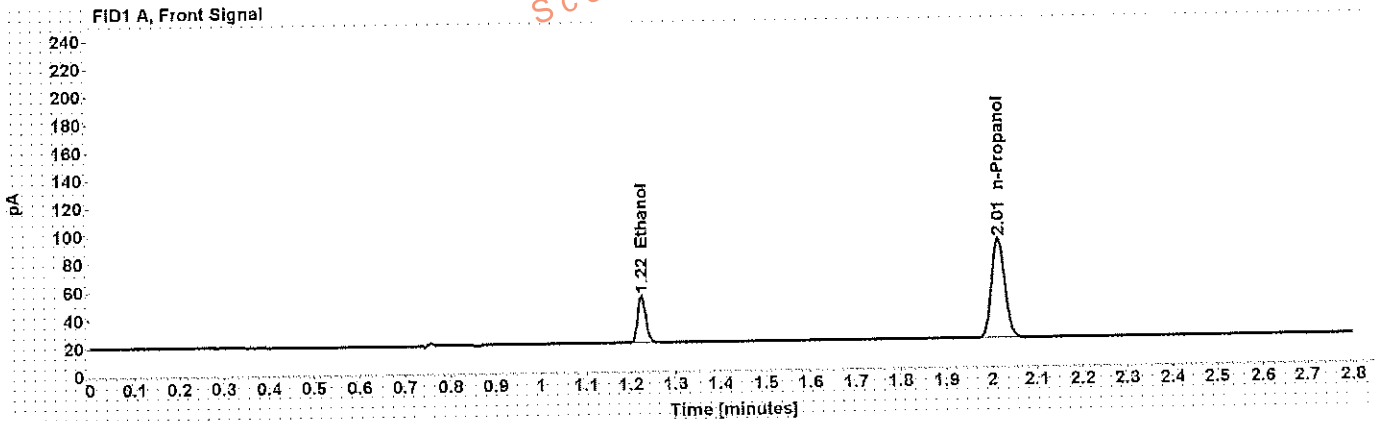


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0804	1.225	43.071
n-Propanol	-----	2.014	145.605

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

Compound	Time (min)	Peak Area
Ethanol	1.328	44.405
n-Propanol	2.345	150.207

LJA

# Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:** 0.150 Lipomed Q9022015-C  
**Injection date:** 3/17/2017 3:23:04 PM  
**Method:** ethanol quant.M  
**Instrument:** US14173023 CN14160045  
**Data file:** C:\Chem3211\Data\17Mar17\31.D

**Item number:**  
**Vial:** 31  
**Sequence:** 17Mar17  
**Analyst:** Adrian

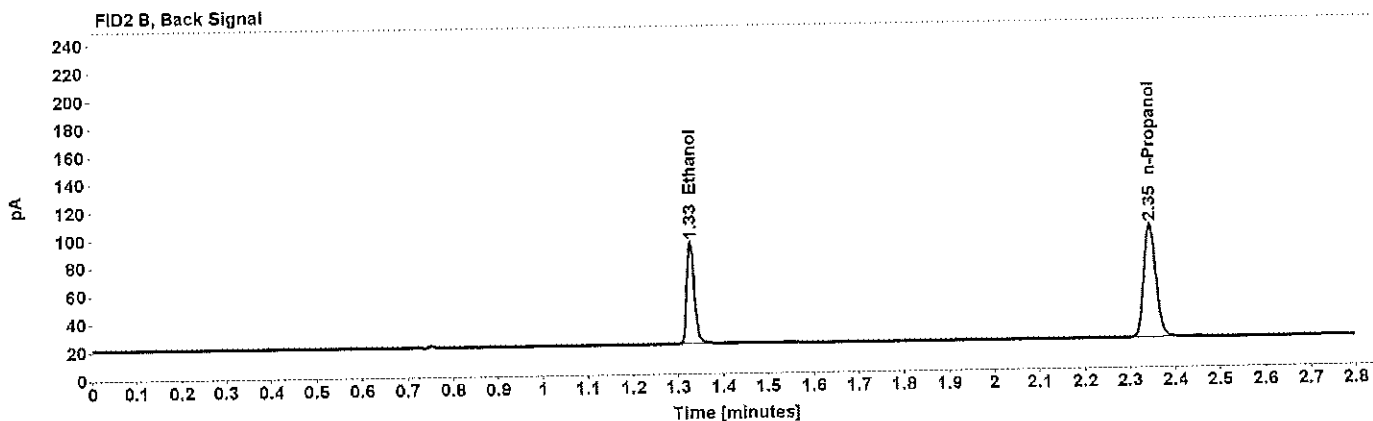
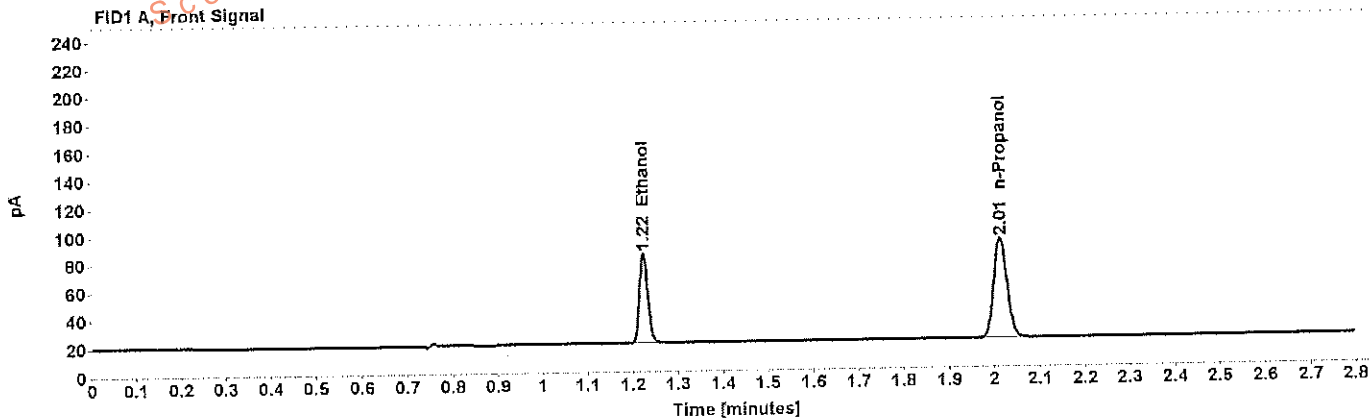


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1524	1.224	82.506
n-Propanol	-----	2.015	146.474

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

Compound	Time (min)	Peak Area
Ethanol	1.328	85.077
n-Propanol	2.345	151.020

WM

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.40 Lipomed 08012015-C	<b>Item number:</b>
<b>Injection date:</b> 3/17/2017 3:43:05 PM	<b>Vial:</b> 36
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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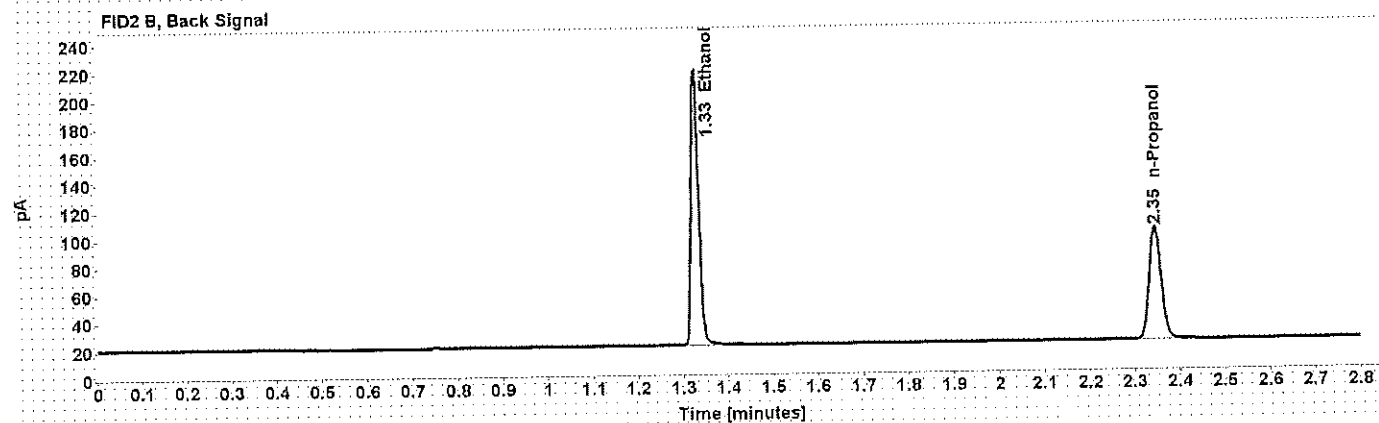
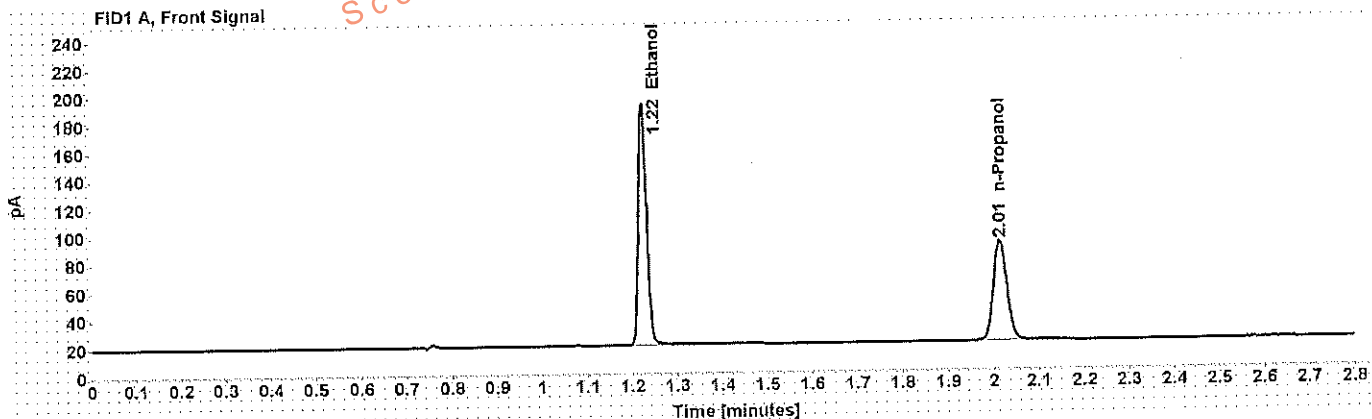


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4087	1.224	220.879
n-Propanol	-----	2.015	145.692

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

Compound	Time (min)	Peak Area
Ethanol	1.328	229.015
n-Propanol	2.346	150.240

# Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 3/17/2017 3:47:20 PM	Vial: 37
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\137.D	

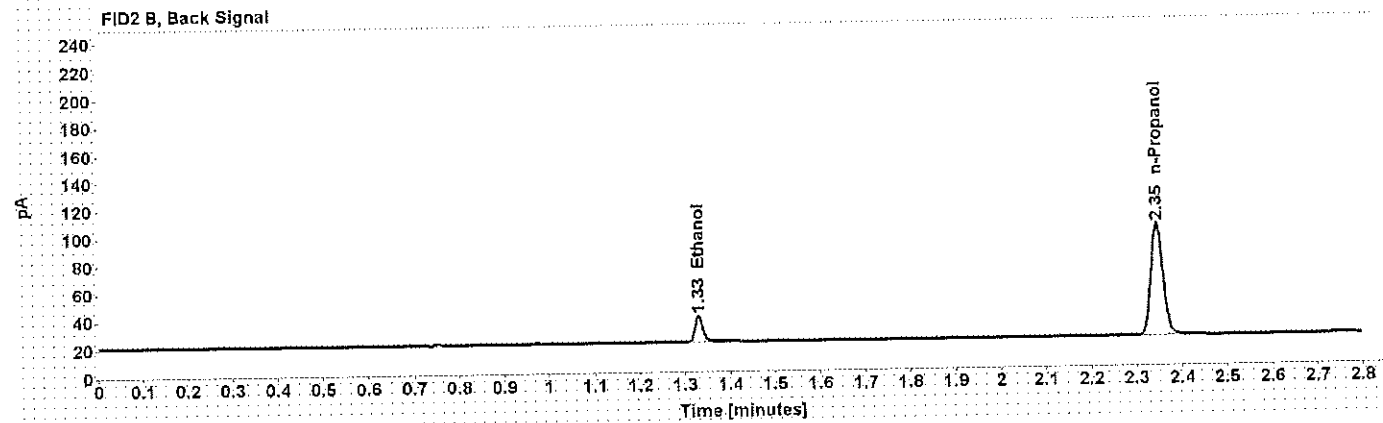
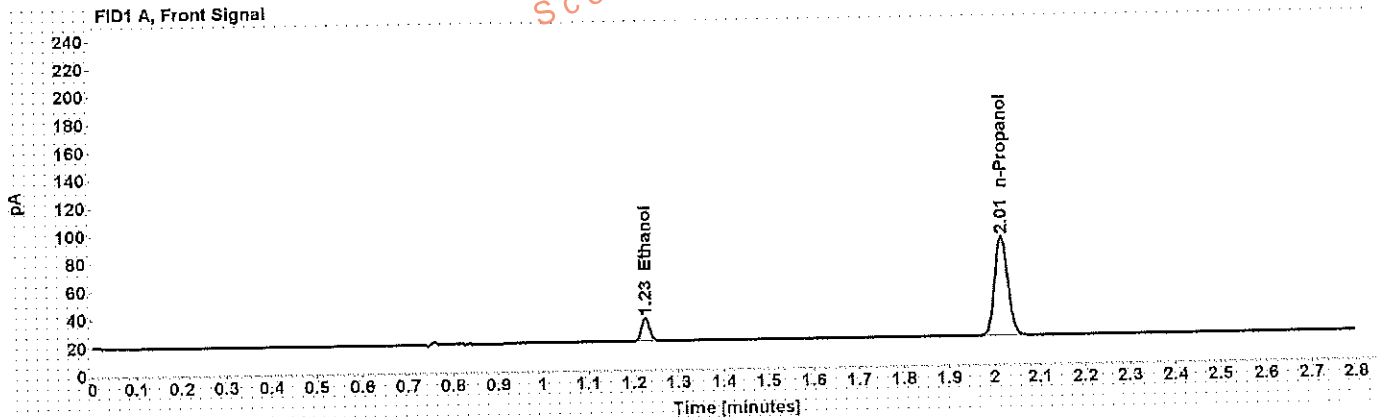


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0401	1.226	21.130
n-Propanol	-----	2.015	144.799

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

Compound	Time (min)	Peak Area
Ethanol	1.330	21.705
n-Propanol	2.346	149.303



# Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:** 0.20 ACQ 407041529/3 **Item number:**  
**Injection date:** 3/17/2017 3:51:19 PM **Vial:** 38  
**Method:** ethanol quant.M **Sequence:** 17Mar17  
**Instrument:** US14173023 CN14160045 **Analyst:** Adrian  
**Data file:** C:\Chem32\1\Data\17Mar17\38.D

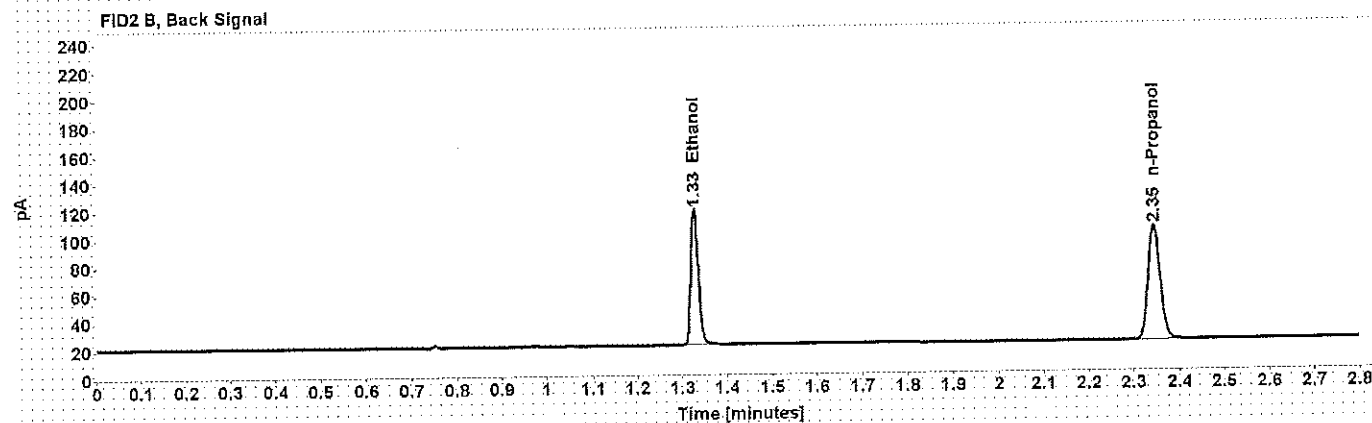
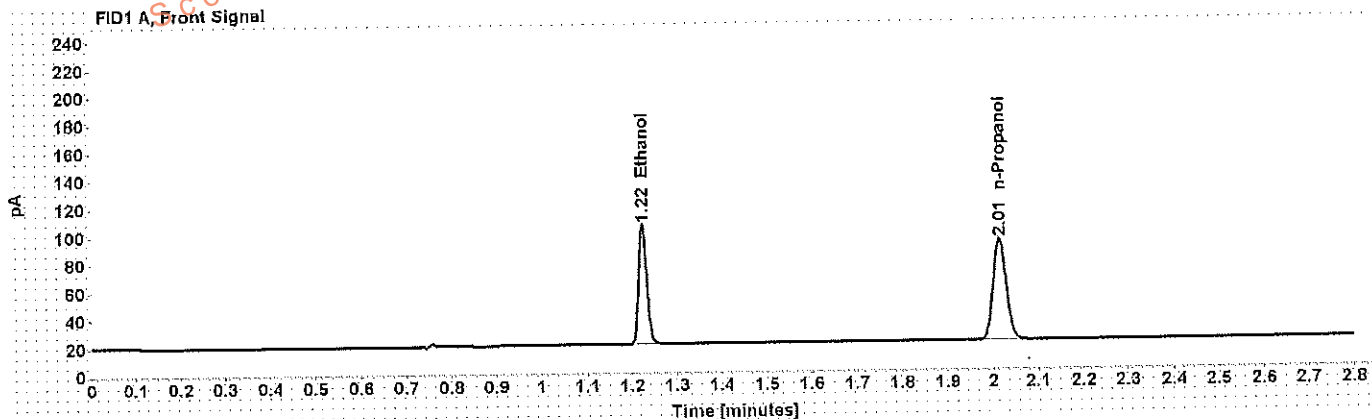


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2004	1.224	109.843
n-Propanol	-----	2.015	148.090

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

Compound	Time (min)	Peak Area
Ethanol	1.328	113.478
n-Propanol	2.345	152.908

WMI

# Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample:	blank 012517	Item number:	
Injection date:	3/17/2017 3:55:20 PM	Vial:	39
Method:	ethanol quant.M	Sequence:	17Mar17
Instrument:	US14173023-CN14160045	Analyst:	Adrian
Data file:	C:\Chem321\1\Data\17Mar17\39.D		

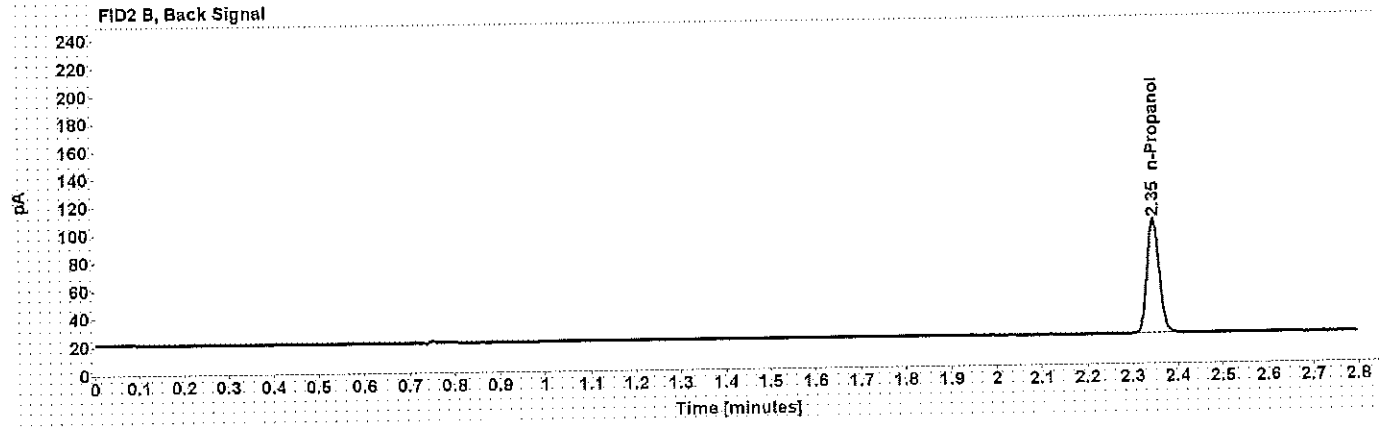
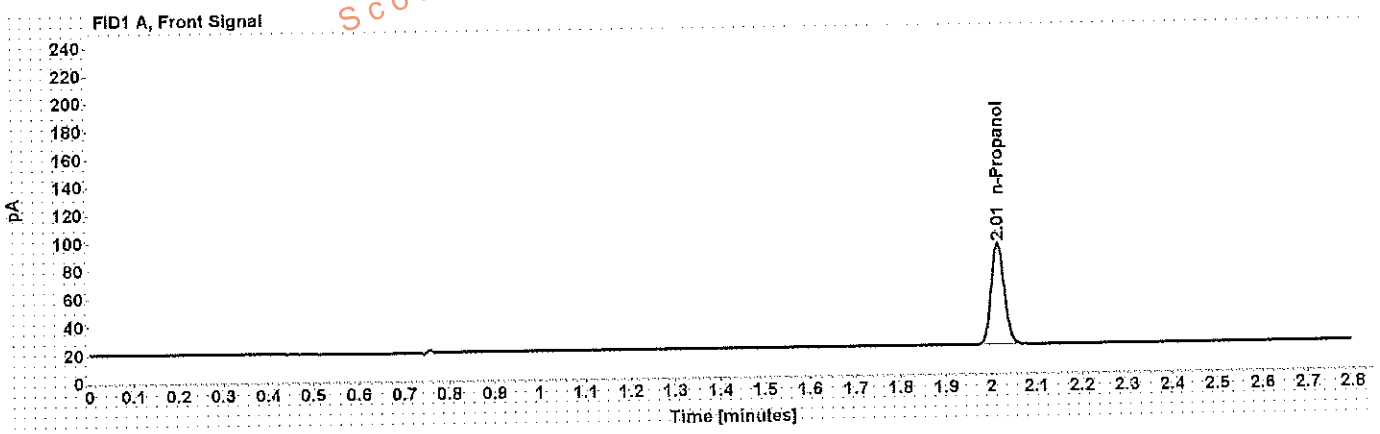


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	147.560

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	152.352

# Sequence Summary

WA

Sequence name: 17Mar17      Instrument: US14173023 CN14160045      Analyst: Adrian

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 012517	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	0.20 ACQ 407041529/3	Control		ethanol quant.M
10	[REDACTED]	Sample	1126509	ethanol quant.M
11		Sample	1126509	ethanol quant.M
12		Sample	1133474	ethanol quant.M
13		Sample	1133474	ethanol quant.M
14		Sample	1139455	ethanol quant.M
15		Sample	1139455	ethanol quant.M
16		Sample	1141313	ethanol quant.M
17		Sample	1141313	ethanol quant.M
18		Sample	1142117	ethanol quant.M
19		Sample	1142117	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21	[REDACTED]	Sample	1111057	ethanol quant.M
22		Sample	1111057	ethanol quant.M
23		Sample	1139830	ethanol quant.M
24		Sample	1139830	ethanol quant.M
25		Sample	1138674	ethanol quant.M
26		Sample	1138674	ethanol quant.M
27		Sample	1138805	ethanol quant.M
28		Sample	1138805	ethanol quant.M
29		Sample	1139070	ethanol quant.M
30		Sample	1139070	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32	[REDACTED]	Sample	1142687	ethanol quant.M
33		Sample	1142687	ethanol quant.M
34		Sample	1089131	ethanol quant.M
35		Sample	1089131	ethanol quant.M
36	0.40 Lipomed 08012015-C	Control		ethanol quant.M
37	0.04 Lipomed 09022015-A	Control		ethanol quant.M
38	0.20 ACQ 407041529/3	Control		ethanol quant.M
39	blank 012517	Control		ethanol quant.M

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WA

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 17Mar17

ANALYST: Adrian

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1277	0.1280	0.12785	0.12	0.00015
12 13	0.0000	0.0000	0.00000	0.00	0.00000
14 15	0.0000	0.0000	0.00000	0.00	0.00000
16 17	0.0888	0.0894	0.08910	0.34	0.00030
18 19	0.1740	0.1746	0.17430	0.17	0.00030
21 22	0.0915	0.0914	0.09145	0.05	0.00005
23 24	0.1320	0.1333	0.13265	0.49	0.00065
25 26	0.2268	0.2270	0.22690	0.04	0.00010
27 28	0.2017	0.2023	0.20200	0.15	0.00030
29 30	0.1542	0.1561	0.15515	0.61	0.00095
32 33	0.1664	0.1653	0.16585	0.33	0.00055
34 35	0.0992	0.0997	0.09945	0.25	0.00025

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

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1126509
Injection date: 3/17/2017 1:58:05 PM	Vial: 10
Method: ethanol quant M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\17Mar17\10.D	

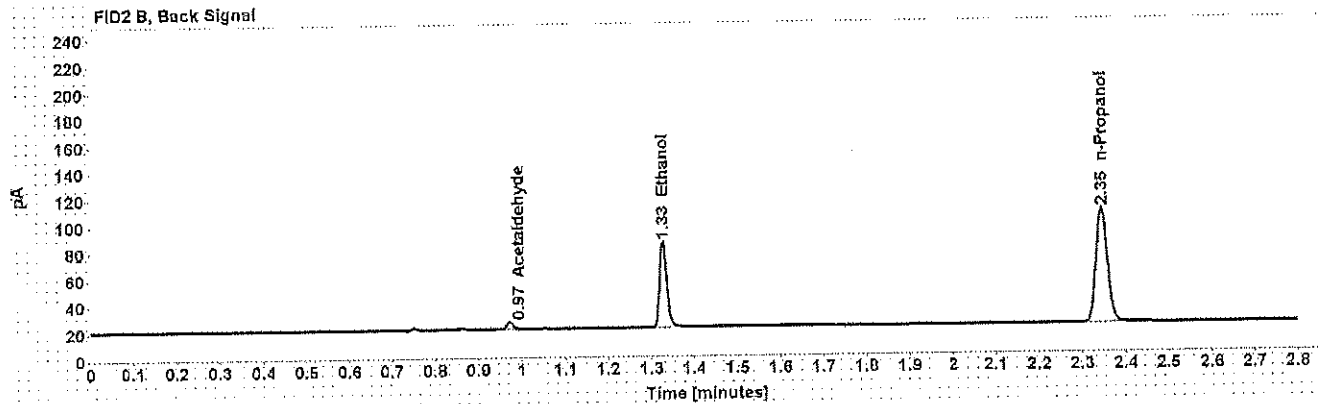
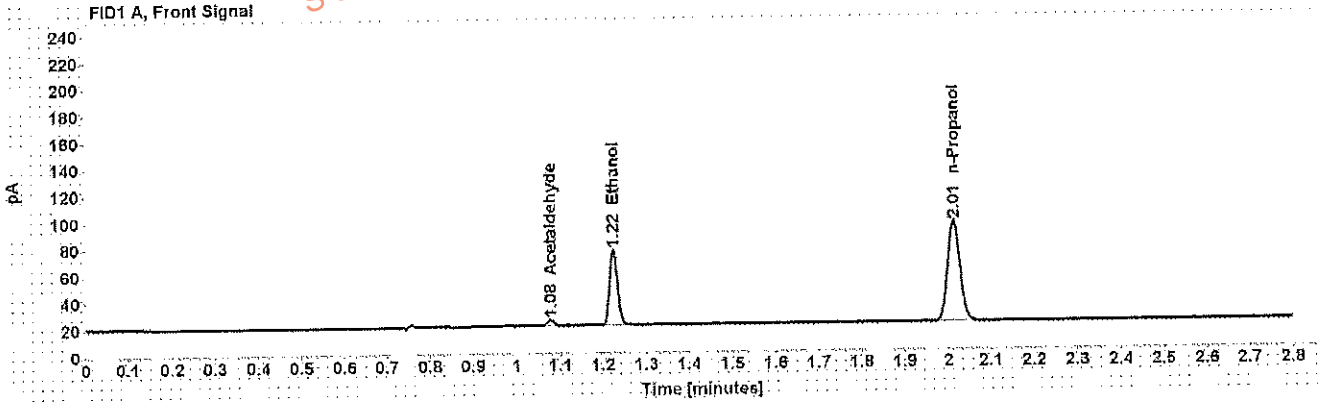


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.654
>Ethanol	0.1277	1.224	72.494
n-Propanol	-----	2.014	153.749

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.906
Ethanol	1.328	74.541
n-Propanol	2.345	158.580

Case: [REDACTED] User: wadrian 3/20/2017

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1126509  
Injection date: 3/17/2017 2:02:05 PM Vial: 11  
Method: ethanol quant.M Sequence: 17Mar17  
Instrument: US14173023 CN14160045 Analyst: Adrian  
Data file: C:\Chem32\1\Data\17Mar17\11.D

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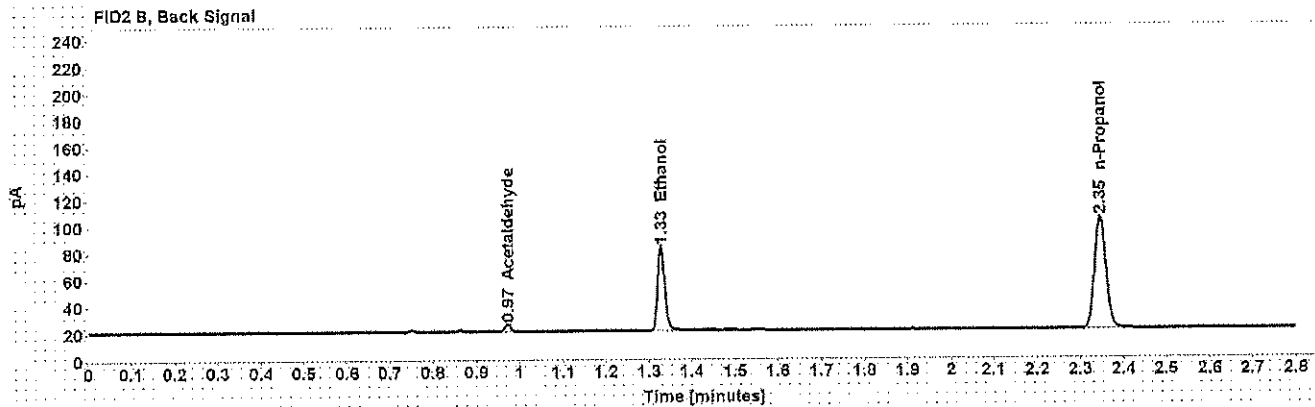
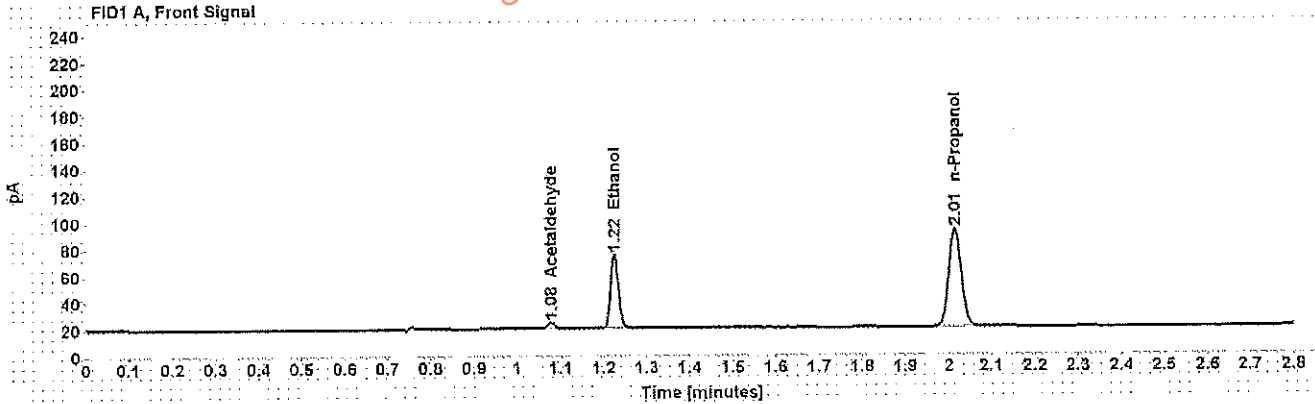


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.700
>Ethanol	0.1280	1.225	70.926
n-Propanol	-----	2.015	149.989

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.902
Ethanol	1.328	72.905
n-Propanol	2.346	154.681

Case: [REDACTED] User: wadrian 3/20/2017

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1133474  
Injection date: 3/17/2017 2:06:04 PM Vial: 12  
Method: ethanol quant.M Sequence: 17Mar17  
Instrument: US14173023 CN14160045 Analyst: Adrian  
Data file: C:\Chem32\1\Data\17Mar17\12.D

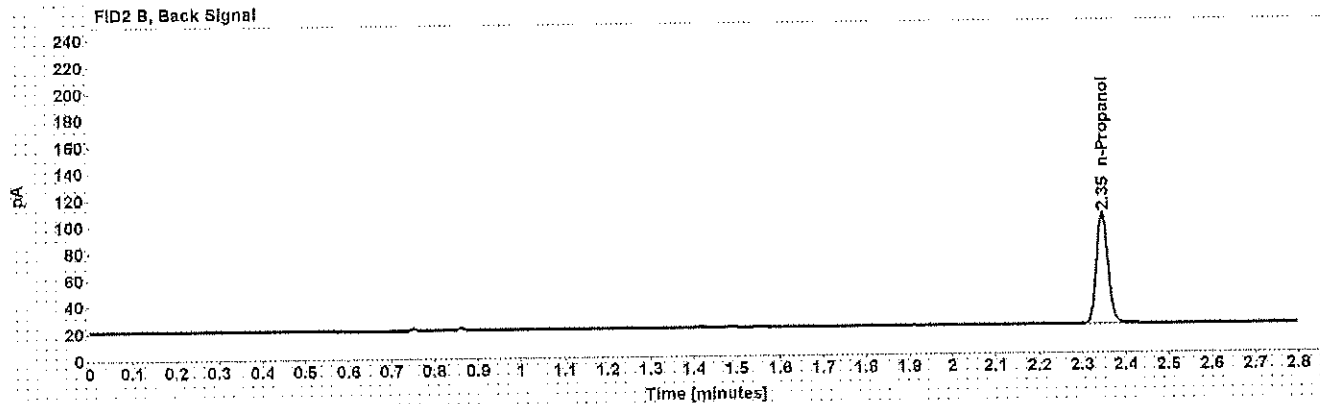
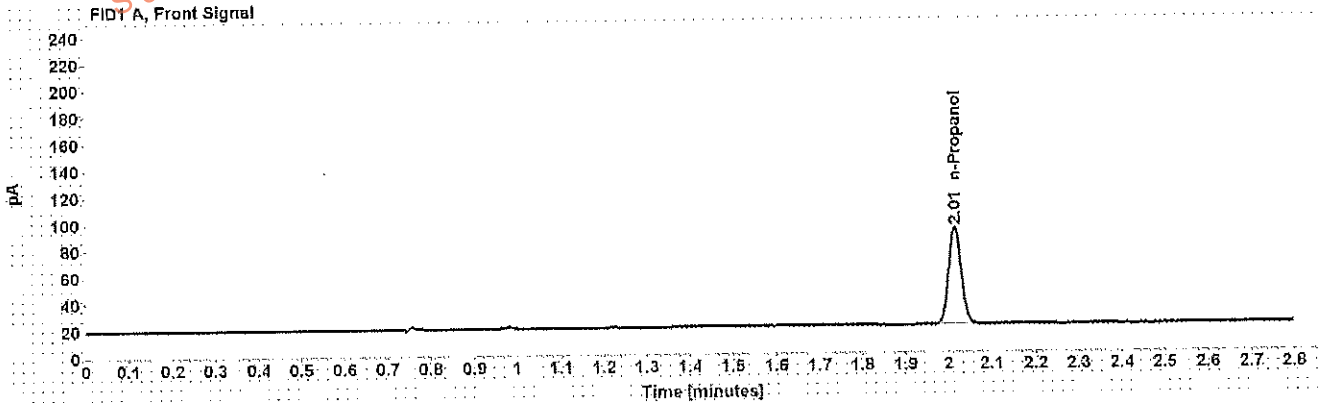


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	148.977

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	153.875



Case: [REDACTED] User: wadrian 3/20/2017

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1133474
Injection date:	3/17/2017 2:10:19 PM	Vial:	13
Method:	ethanol quant.M	Sequence:	17Mar17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\17Mar17\13.D		

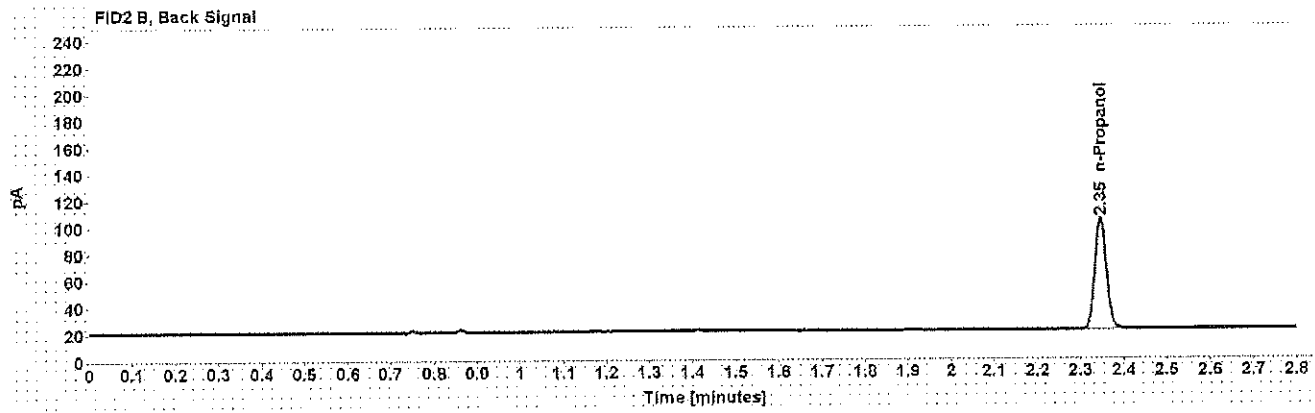
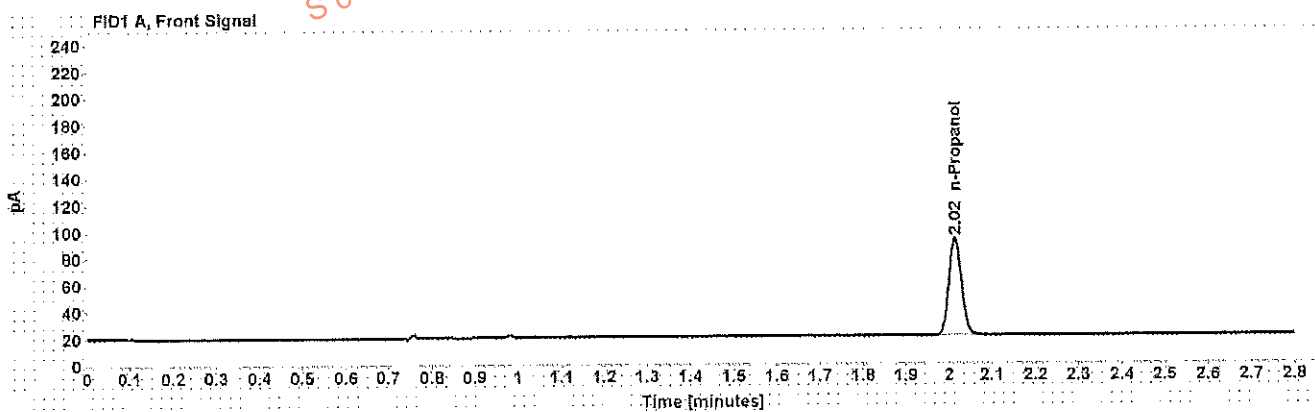


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	148.902

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	153.997

Case: [REDACTED] User: wadrian 3/20/2017

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1139455  
Injection date: 3/17/2017 2:14:19 PM Vial: 14  
Method: ethanol quant.M Sequence: 17Mar17  
Instrument: US14173023 CN14160045 Analyst: Adrian  
Data file: C:\Chem32\1\Data\17Mar17\14.0

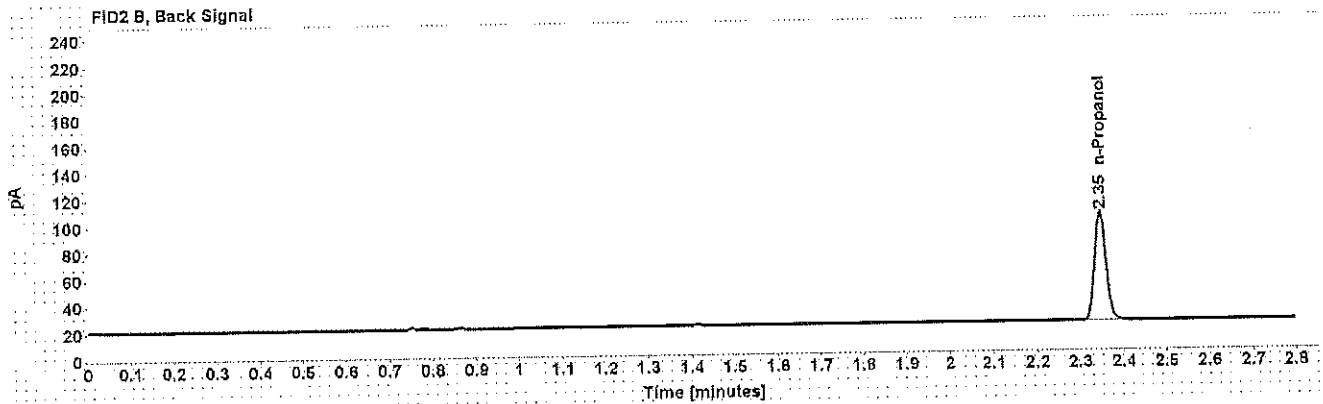
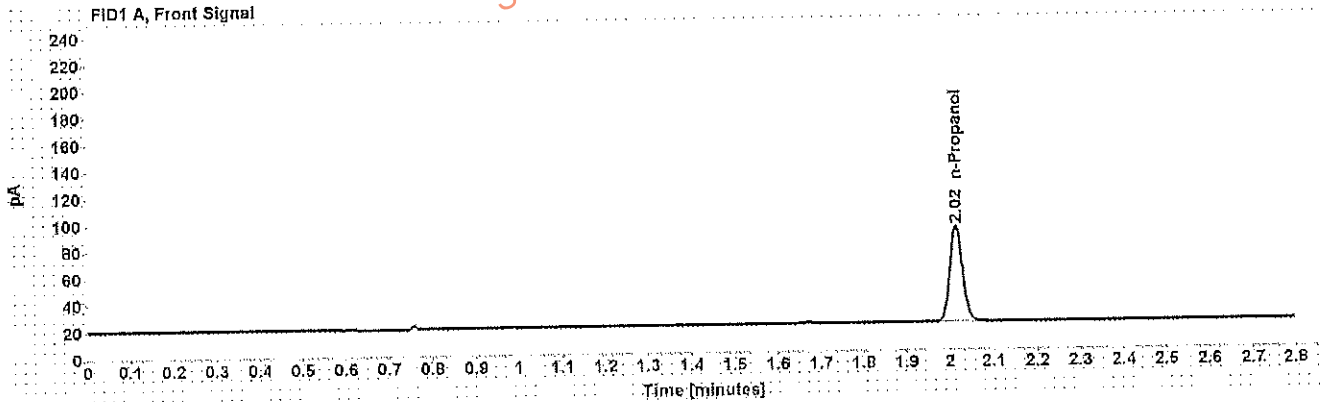


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	146.078

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	150.734

Case: [REDACTED] User: wadrian 3/20/2017

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1139455  
Injection date: 3/17/2017 2:18:19 PM Vial: 15  
Method: ethanol quant.M Sequence: 17Mar17  
Instrument: US14173023 CN14160045 Analyst: Adrian  
Data file: C:\Chem32\1\Data\17Mar17\15.D

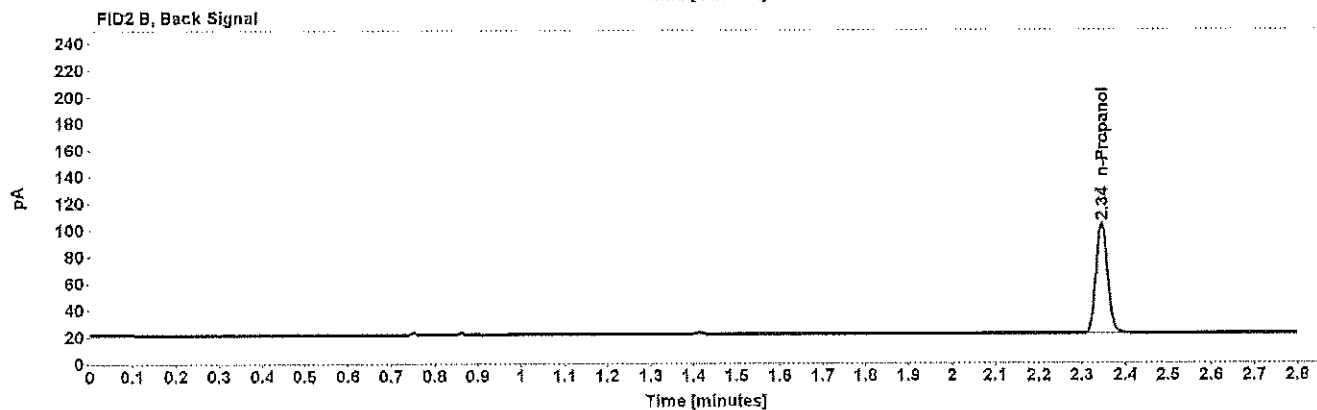
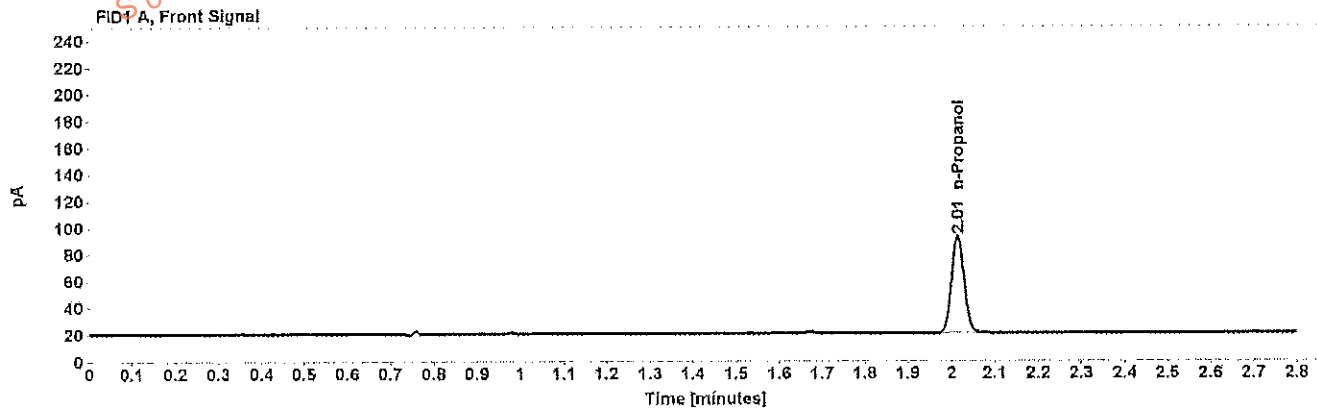


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	148.731

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	153.438

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1141313
Injection date:	3/17/2017 2:22:19 PM	Vial:	16
Method:	ethanol quant.M	Sequence:	17Mar17
Instrument:	US1473023.CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11Data\17Mar17\16.D		

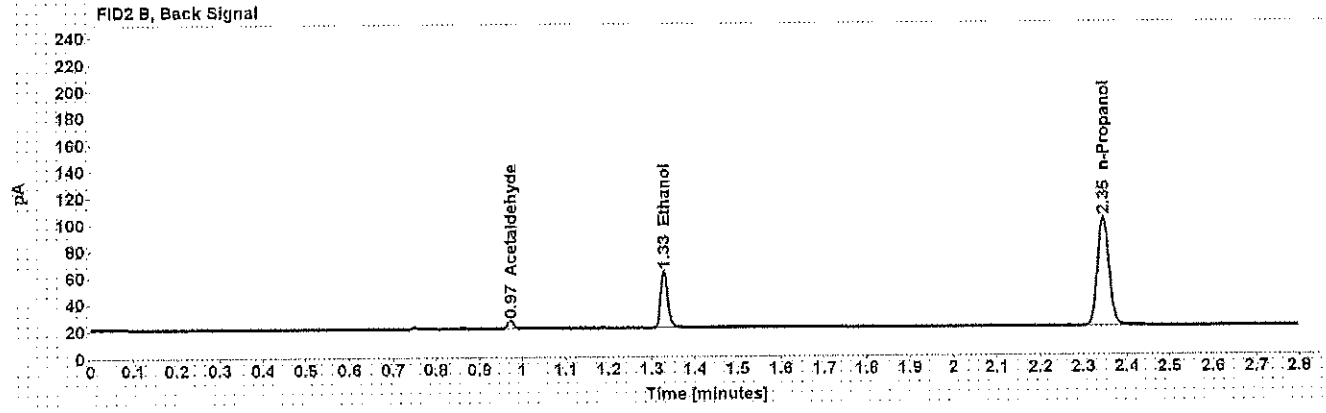
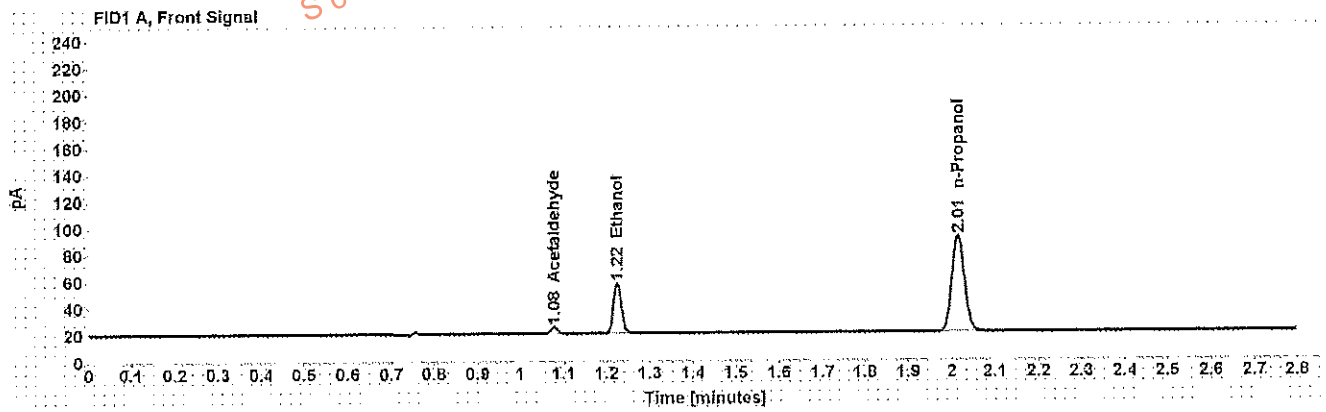


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.224
>Ethanol	0.0888	1.225	47.962
n-Propanol	-----	2.015	146.674

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	5.456
Ethanol	1.328	49.344
n-Propanol	2.345	151.453

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1141313
Injection date:	3/17/2017 2:26:19 PM	Vial:	17
Method:	ethanol quant.M	Sequence:	17Mar17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11\Data\17Mar17\17.D		

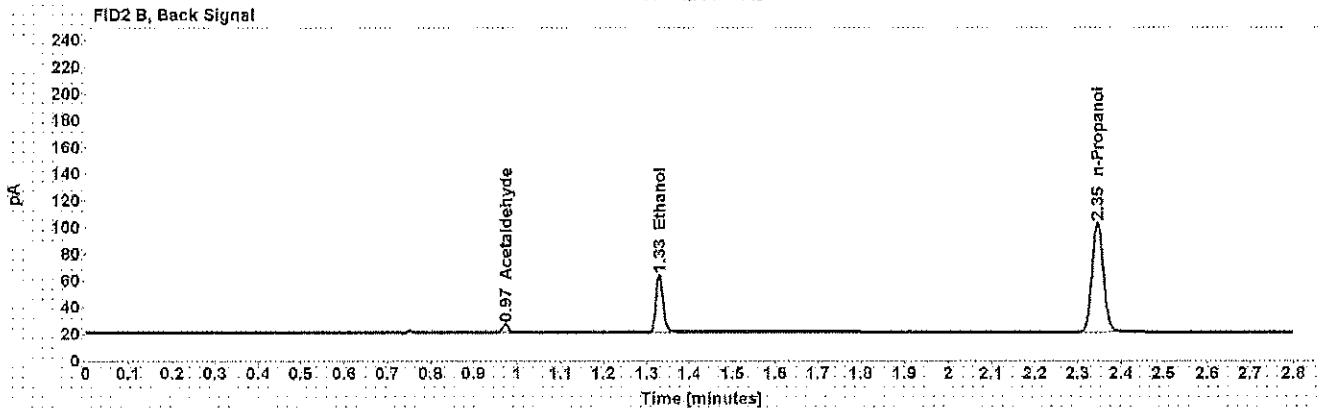
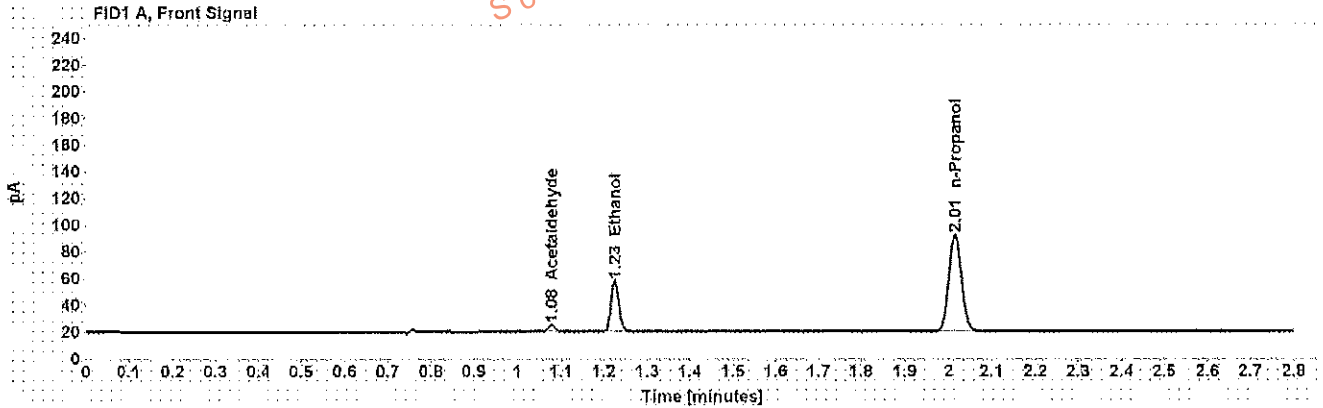


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.413
>Ethanol	0.0894	1.225	48.548
n-Propanol	-----	2.015	147.522

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.587
Ethanol	1.329	49.870
n-Propanol	2.346	152.222

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1142117
Injection date: 3/17/2017 2:30:19 PM	Vial: 18
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\18.D	

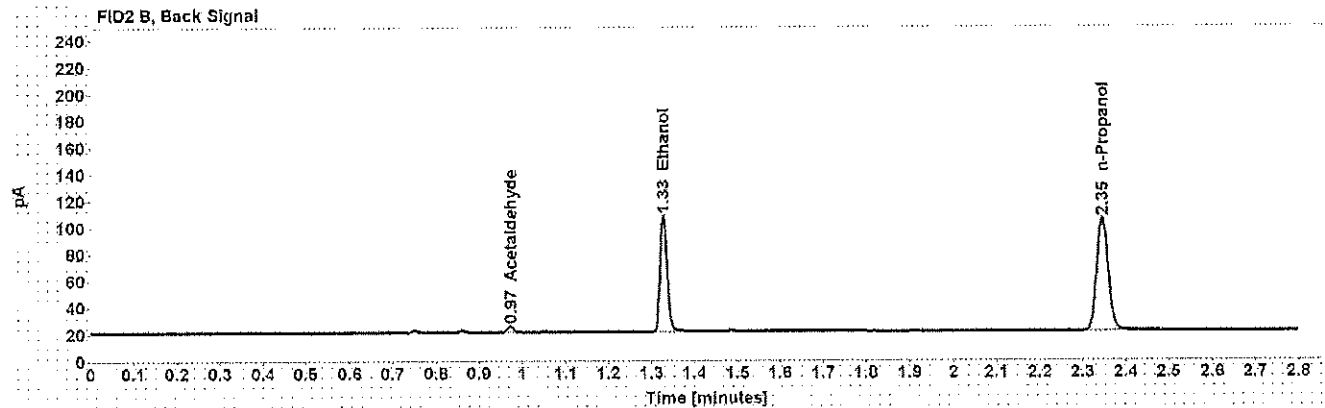
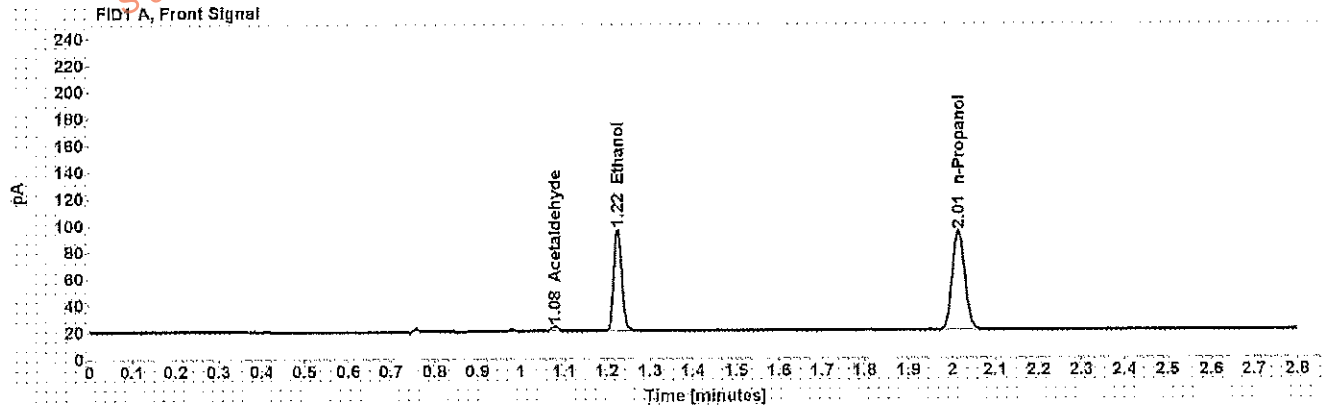


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.952
>Ethanol	0.1740	1.225	97.705
n-Propanol	-----	2.015	151.831

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.201
Ethanol	1.328	100.932
n-Propanol	2.348	156.581

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1142117
Injection date: 3/17/2017 2:34:34 PM	Vial: 19
Method: ethanol quant M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\19.D	

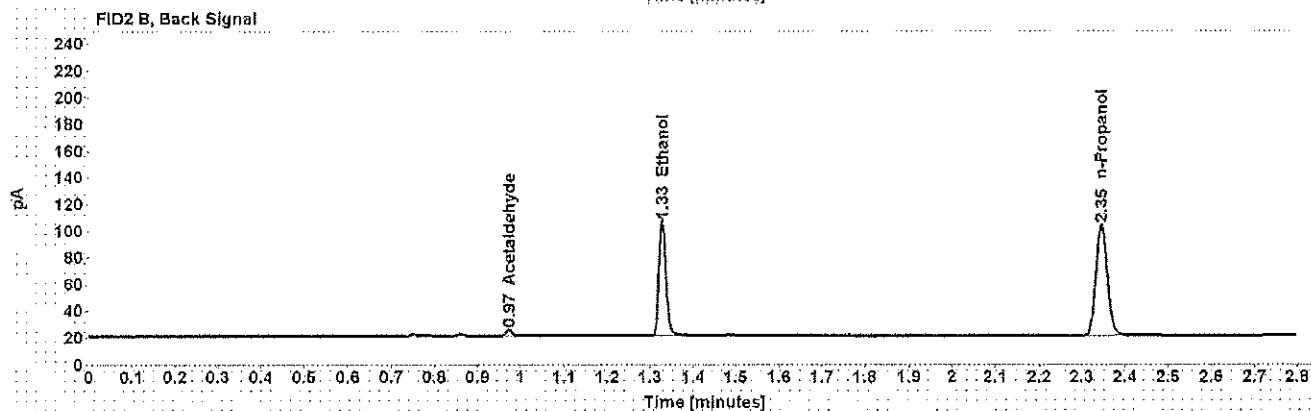
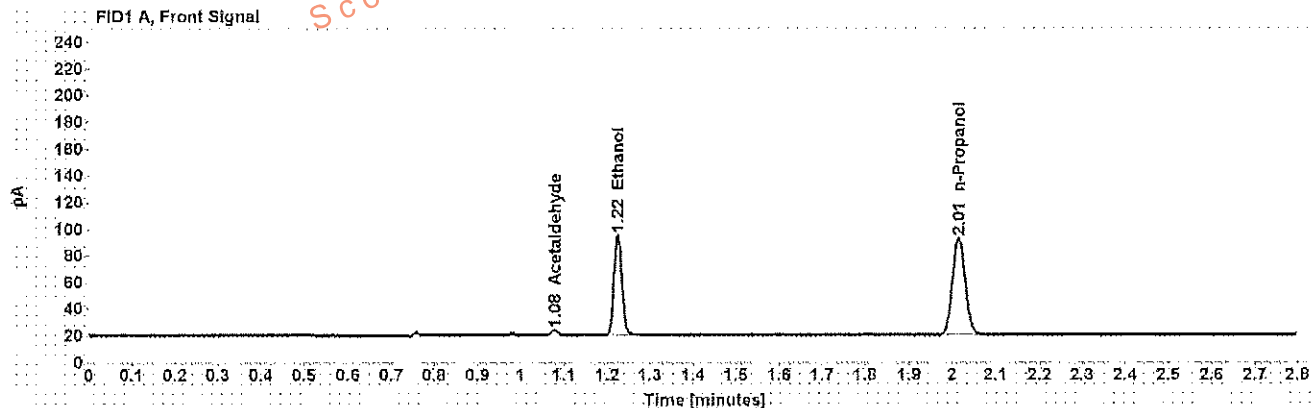


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.988
>Ethanol	0.1746	1.225	96.217
n-Propanol	-----	2.015	148.975

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.260
Ethanol	1.328	99.558
n-Propanol	2.346	153.733



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1111057
<b>Injection date:</b> 3/17/2017 2:42:34 PM	<b>Vial:</b> 21
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\17Mar17\21.D	

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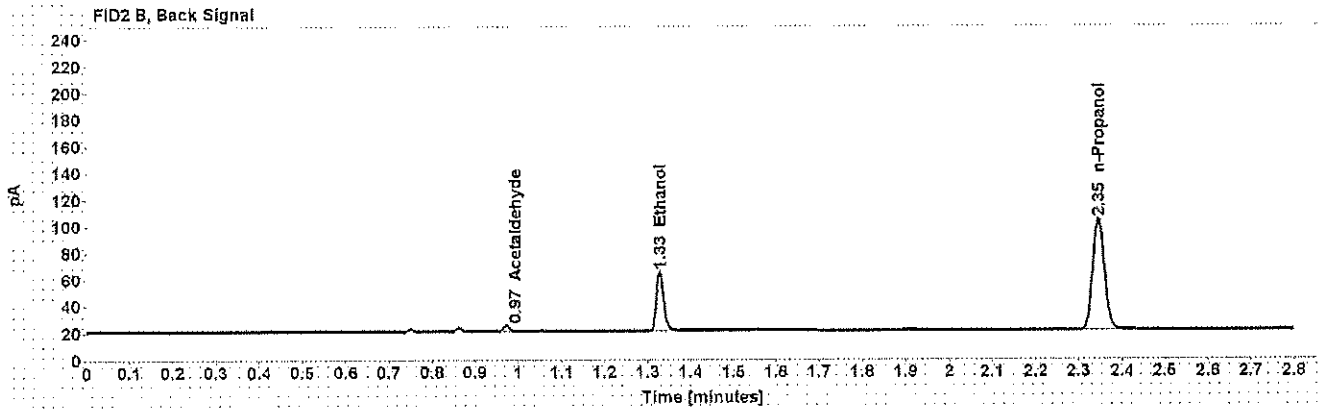
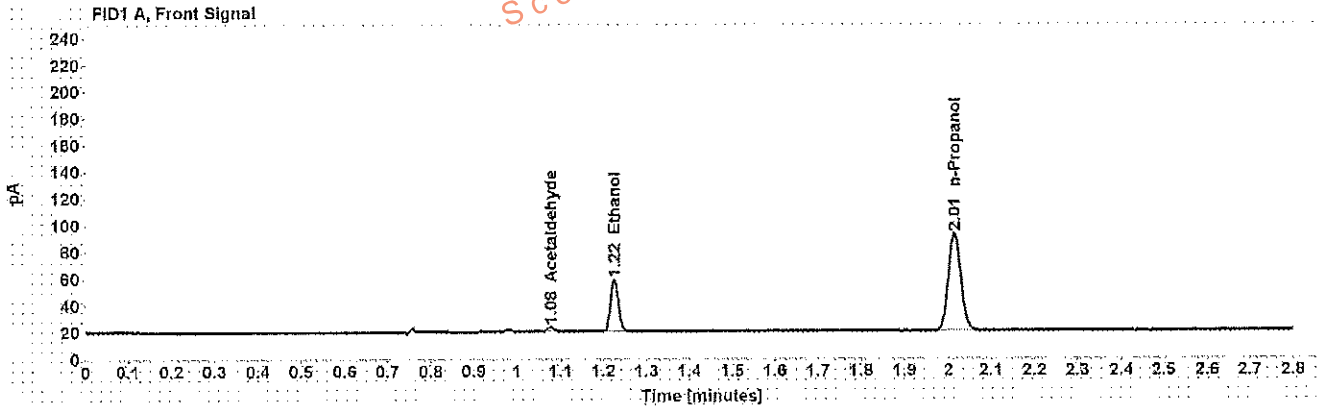


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.814
>Ethanol	0.0915	1.225	50.196
n-Propanol	-----	2.015	148.979

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.047
Ethanol	1.328	51.642
n-Propanol	2.345	154.025

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1111057
Injection date: 3/17/2017 2:46:35 PM	Vial: 22
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\17Mar17\22.D	

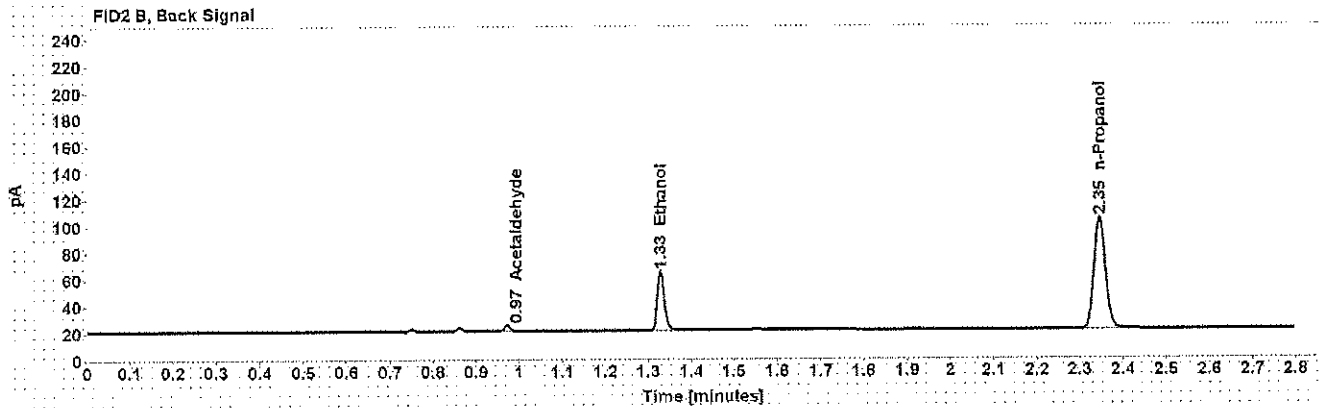
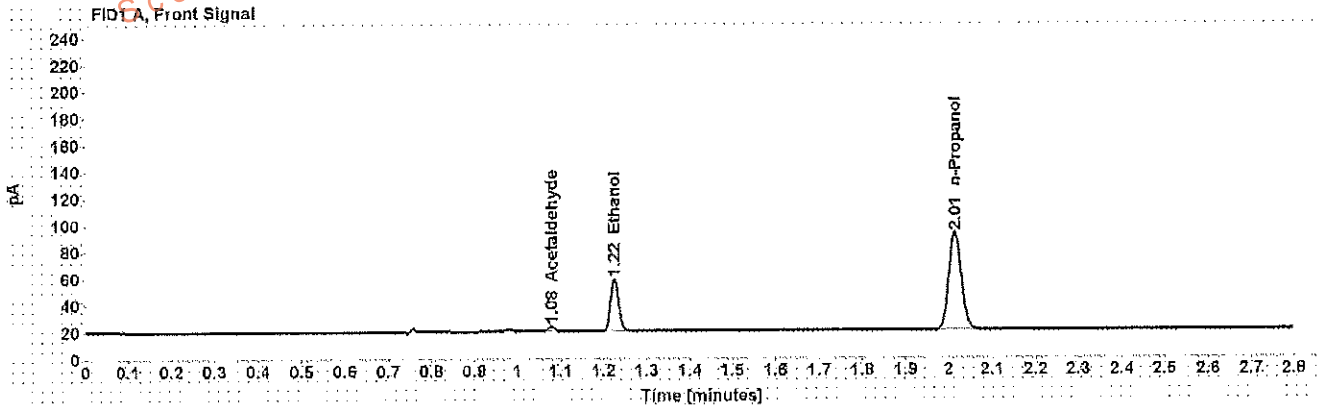


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.814
>Ethanol	0.0914	1.225	50.195
n-Propanol	-----	2.015	149.036

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.089
Ethanol	1.328	51.705
n-Propanol	2.345	154.203

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1139830
Injection date: 3/17/2017 2:50:35 PM	Vial: 23
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\17Mar17\23.D	

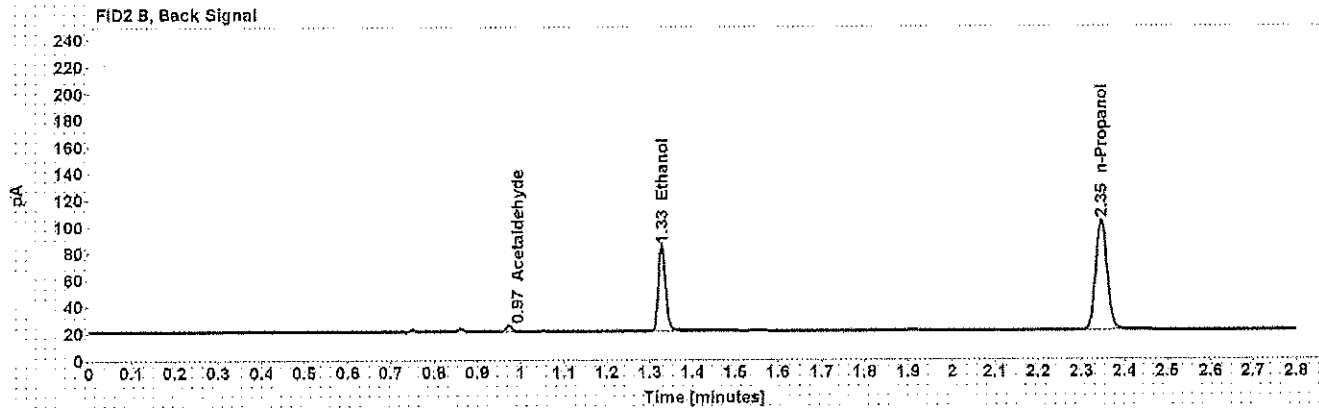
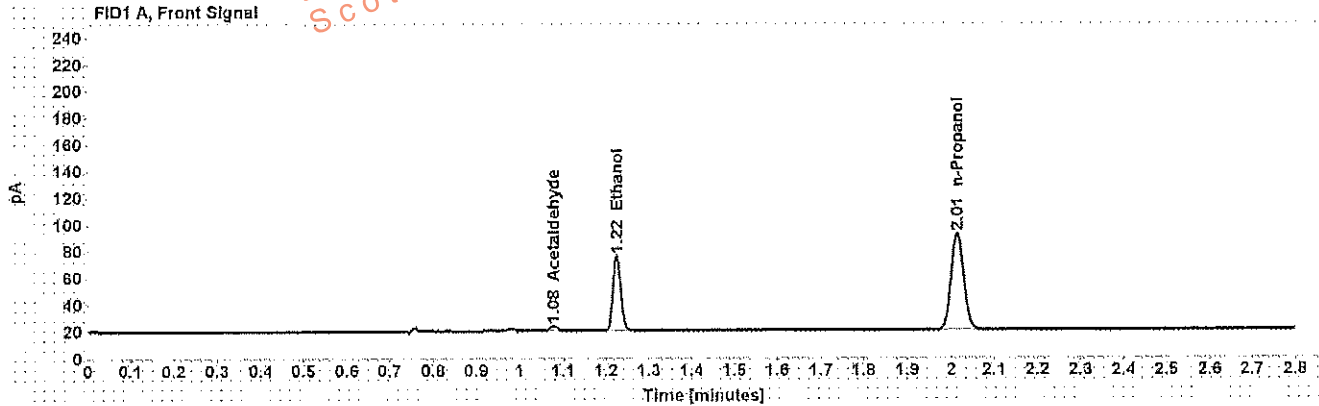


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.921
>Ethanol	0.1320	1.225	71.972
n-Propanol	-----	2.015	147.671

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.183
Ethanol	1.328	74.200
n-Propanol	2.348	152.596

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1139830
Injection date:	3/17/2017 2:54:35 PM	Vial:	24
Method:	ethanol quant.M	Sequence:	17Mar17
Instrument:	US14173023 CN14160046	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\17Mar17\24.D		

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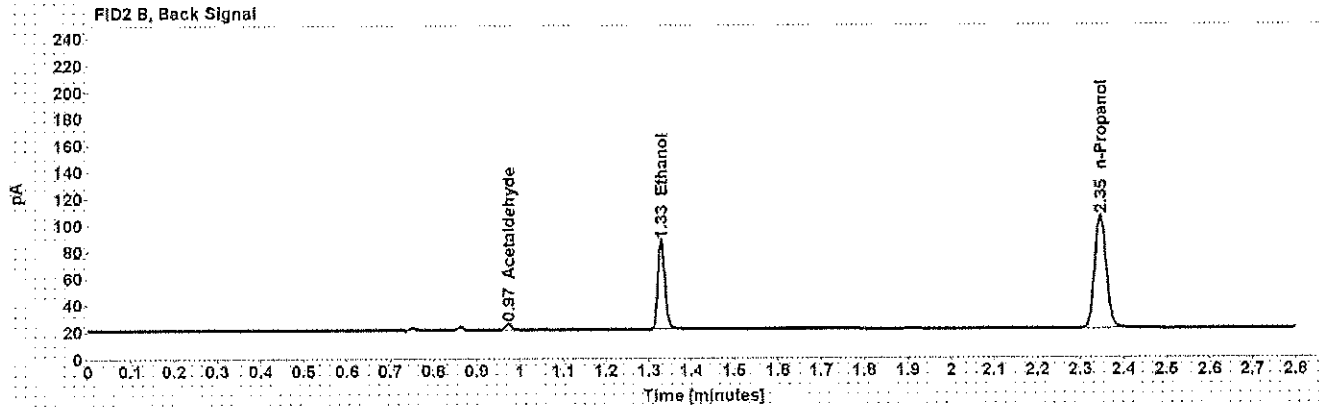
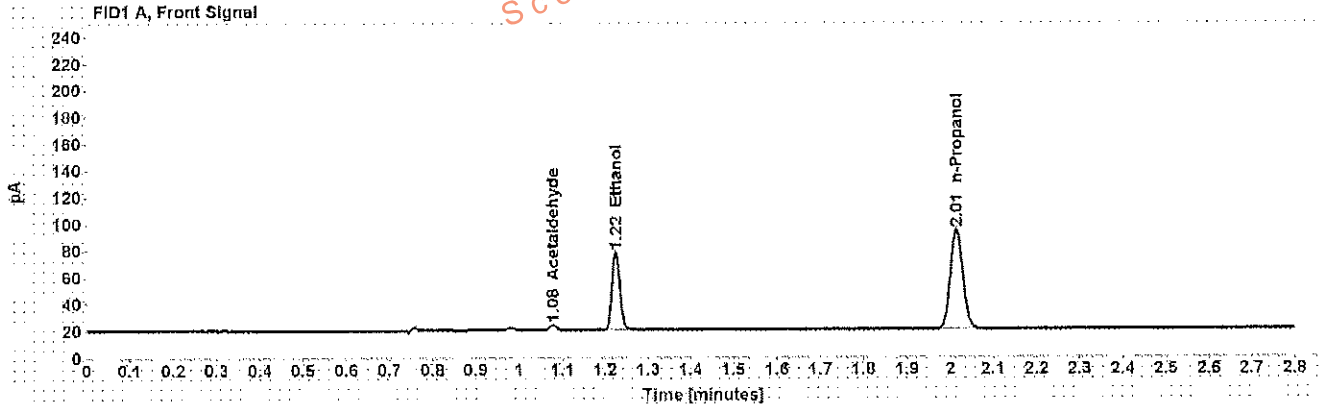


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.966
>Ethanol	0.1333	1.225	74.688
n-Propanol	-----	2.015	151.647

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.256
Ethanol	1.328	76.939
n-Propanol	2.346	156.743

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1138674
Injection date: 3/17/2017 2:58:50 PM	Vial: 25
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\17Mar17\25.D	

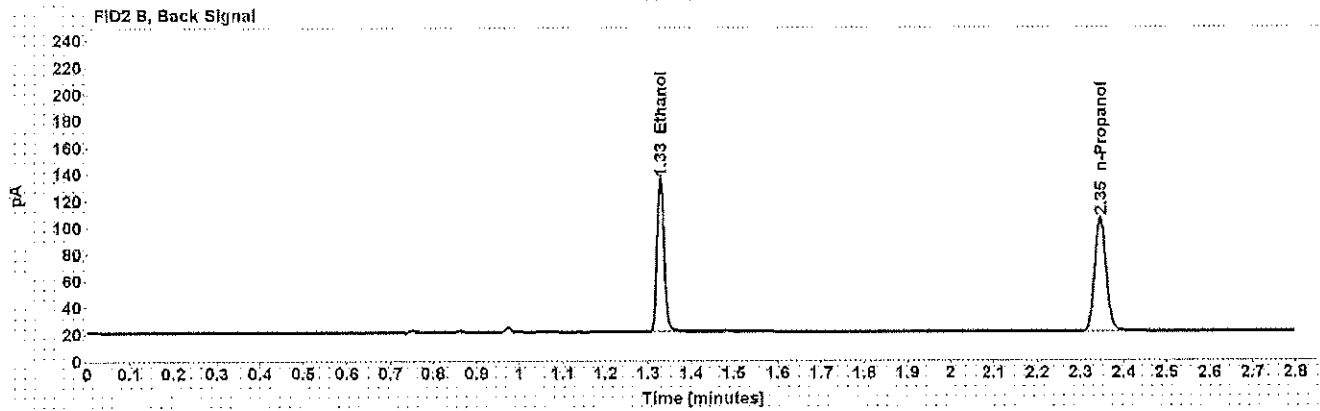
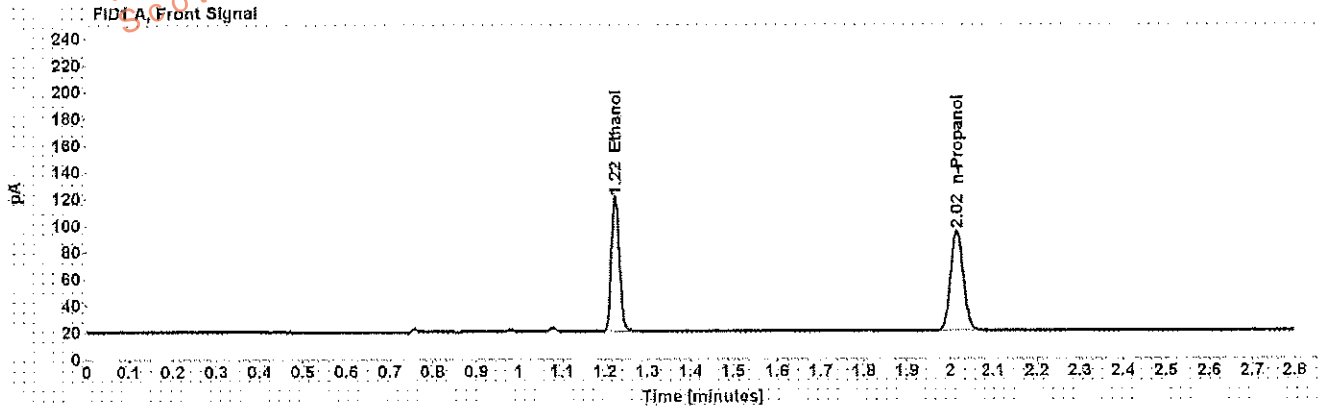


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2268	1.225	129.008
n-Propanol	-----	2.015	153.567

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

Compound	Time (min)	Peak Area
Ethanol	1.328	133.545
n-Propanol	2.348	158.500

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1138674
Injection date: 3/17/2017 3:02:49 PM	Vial: 26
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Datat17Mar17\26.D	

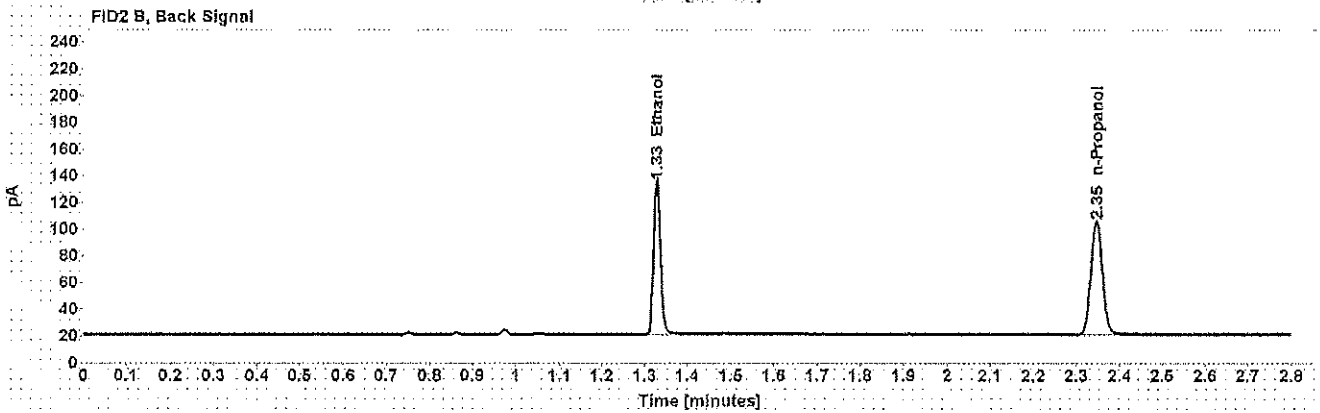
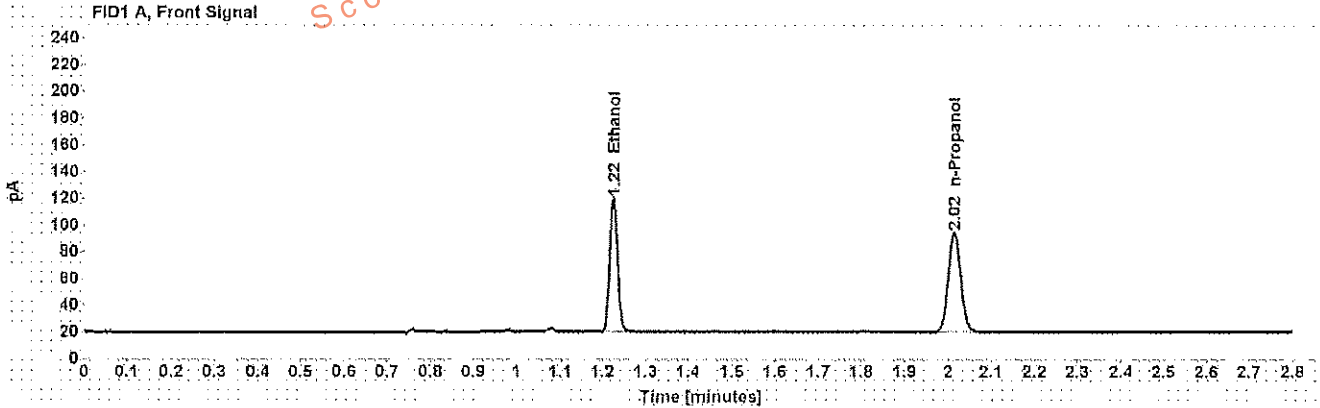


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2270	1.225	128.172
n-Propanol	-----	2.015	152.482

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

Compound	Time (min)	Peak Area
Ethanol	1.328	132.548
n-Propanol	2.348	157.559

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1138805
Injection date:	3/17/2017 3:06:49 PM	Vial:	27
Method:	ethanol quant.M	Sequence:	17Mar17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\17Mar17\27.D		

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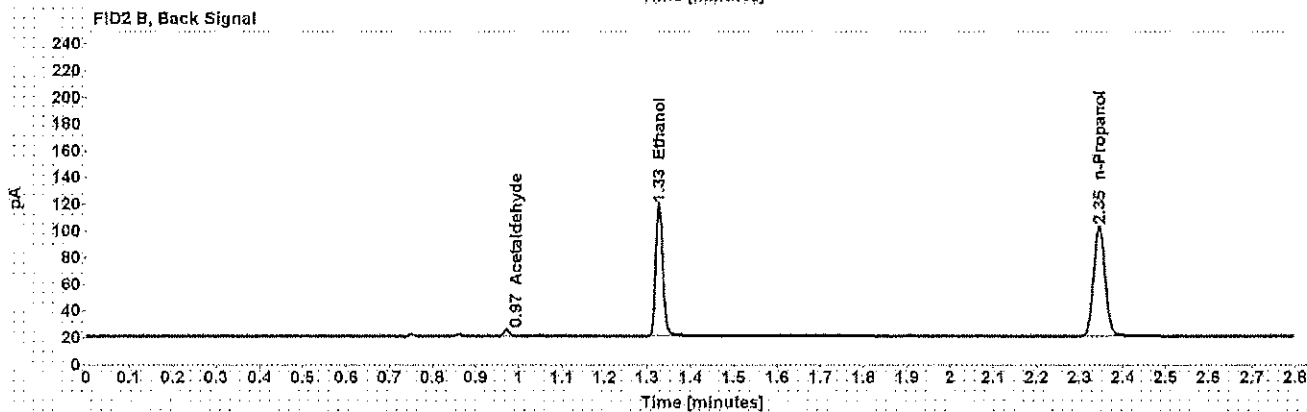
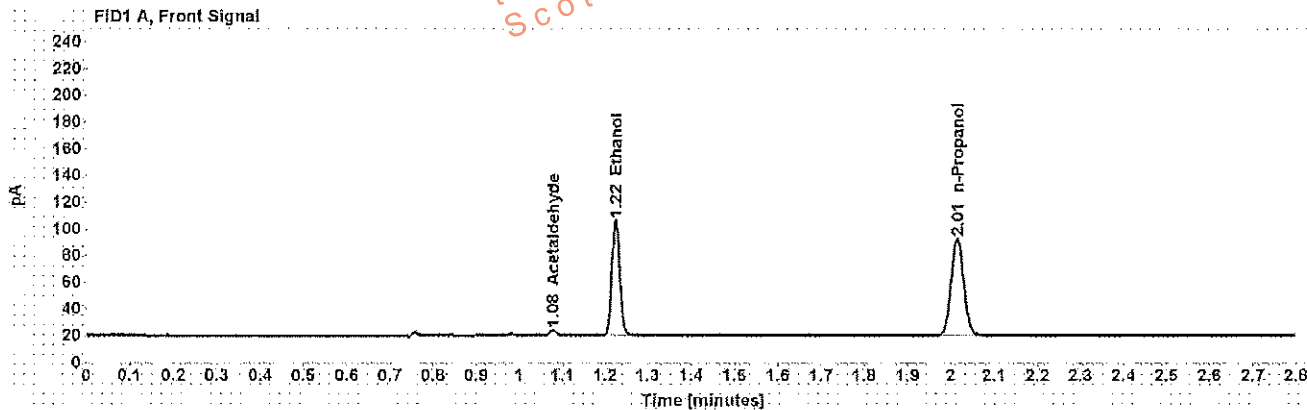


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.274
>Ethanol	0.2017	1.224	110.823
n-Propanol	-----	2.015	148.419

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.500
Ethanol	1.327	114.442
n-Propanol	2.345	152.876



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1138805
<b>Injection date:</b> 3/17/2017 3:10:50 PM	<b>Vial:</b> 28
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\17Mar17\28.D	

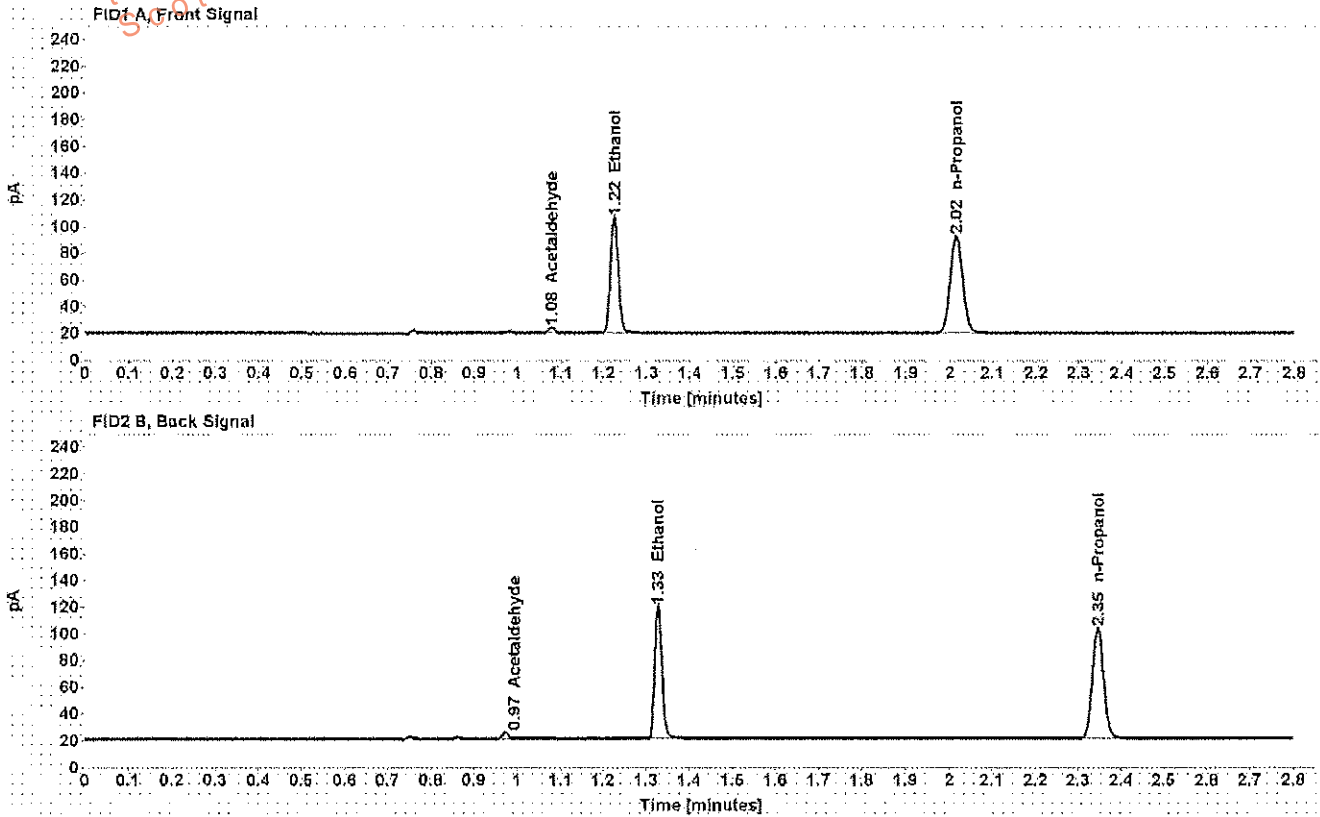


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.186
>Ethanol	0.2023	1.225	111.179
n-Propanol	-----	2.015	148.494

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.475
Ethanol	1.328	114.834
n-Propanol	2.346	153.062

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1139070
<b>Injection date:</b> 3/17/2017 3:14:50 PM	<b>Vial:</b> 29
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem321\1\Data\17Mar17\29.D	

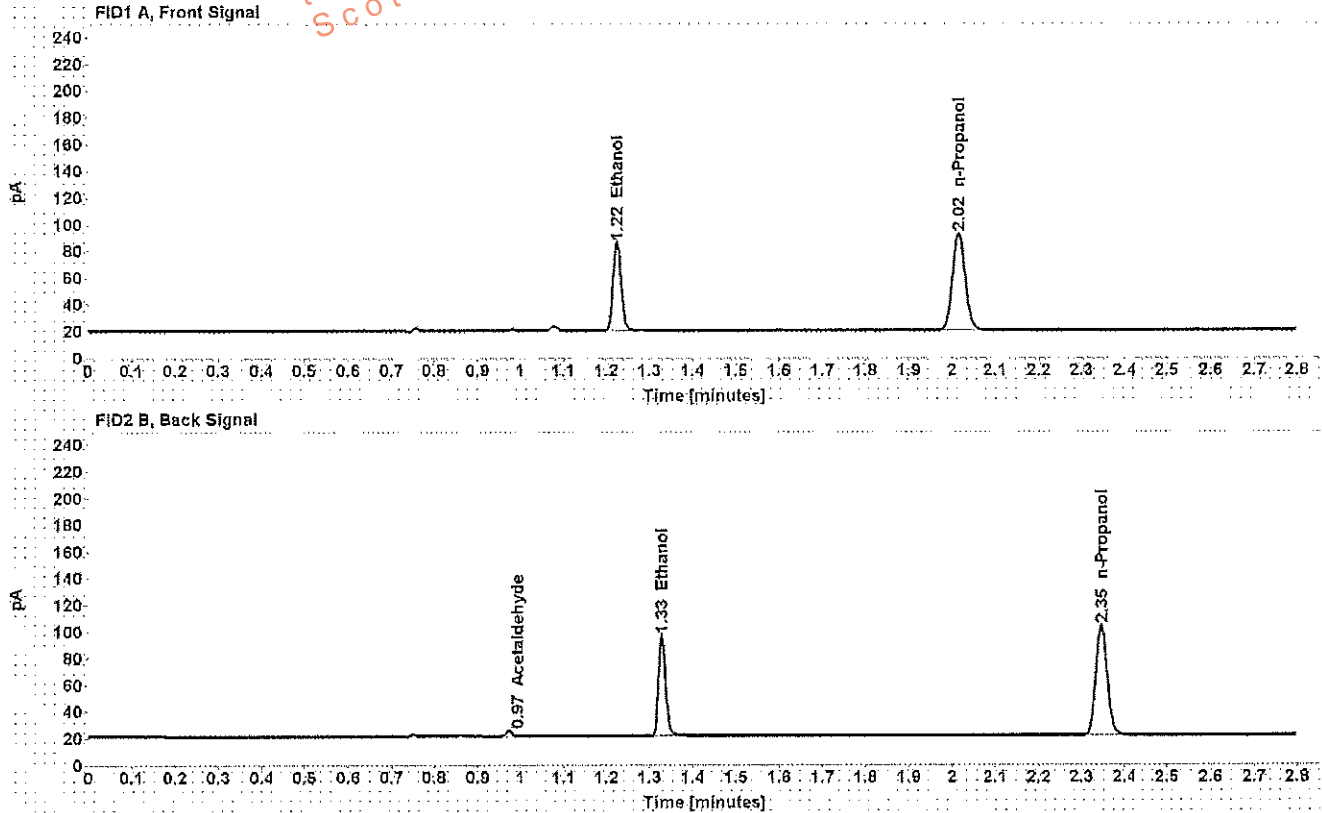


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1542	1.225	84.674
n-Propanol	-----	2.015	148.488

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.795
Ethanol	1.328	87.287
n-Propanol	2.346	153.125

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1139070
Injection date: 3/17/2017 3:18:50 PM	Vial: 30
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\30.D	

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Scottsdale City Prosecutor

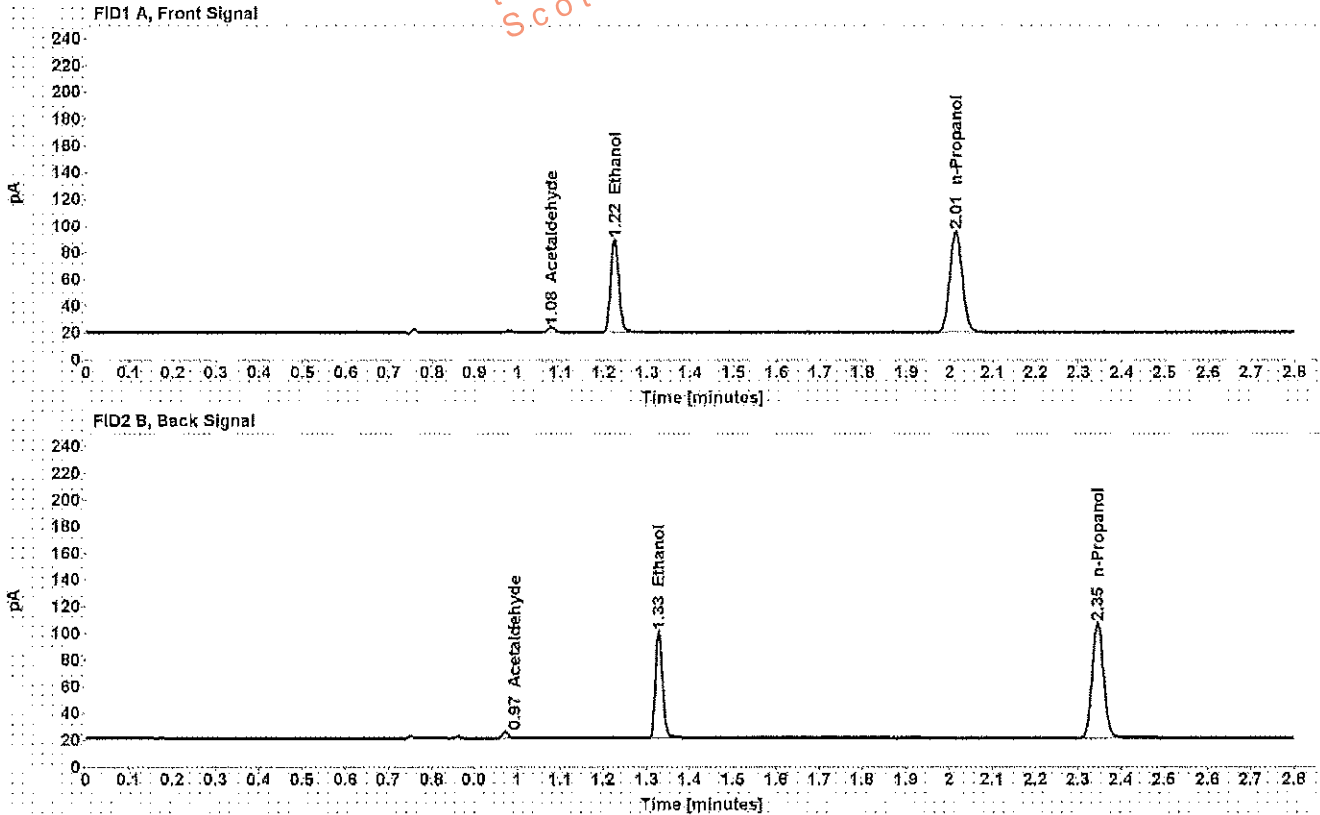


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.072
>Ethanol	0.1561	1.225	89.441
n-Propanol	-----	2.015	154.939

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.341
Ethanol	1.328	92.173
n-Propanol	2.346	159.773

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1142687
<b>Injection date:</b> 3/17/2017 3:27:05 PM	<b>Vial:</b> 32
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\17Mar17\32.D	

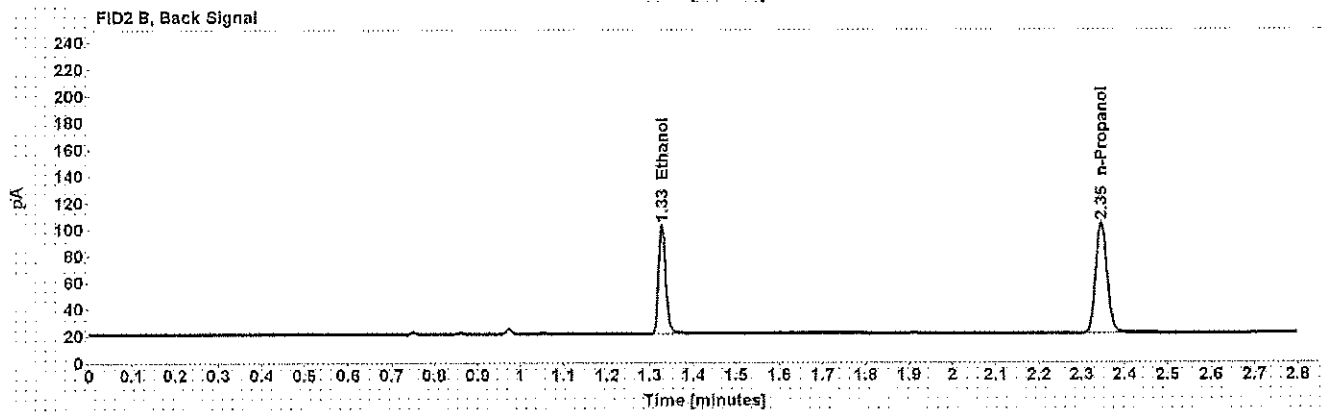
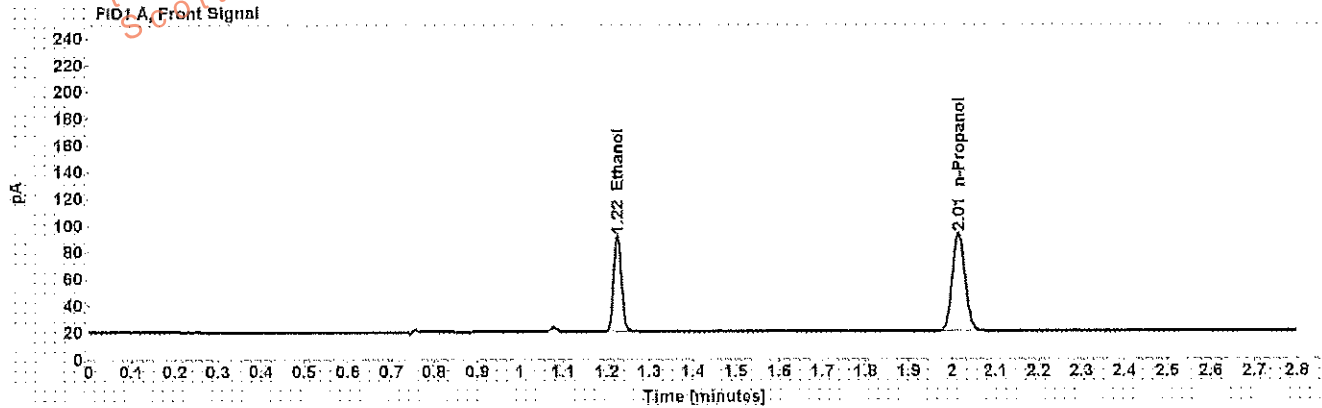


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1664	1.225	91.976
n-Propanol	-----	2.015	149.468

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

Compound	Time (min)	Peak Area
Ethanol	1.328	94.919
n-Propanol	2.345	154.328

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1142687
<b>Injection date:</b> 3/17/2017 3:31:04 PM	<b>Vial:</b> 33
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\17Mar17\33.D	

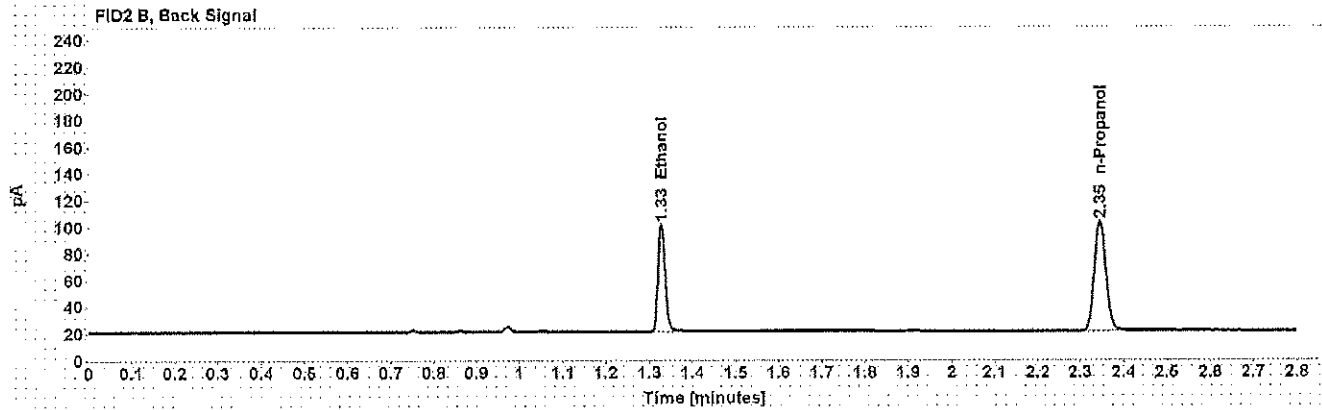
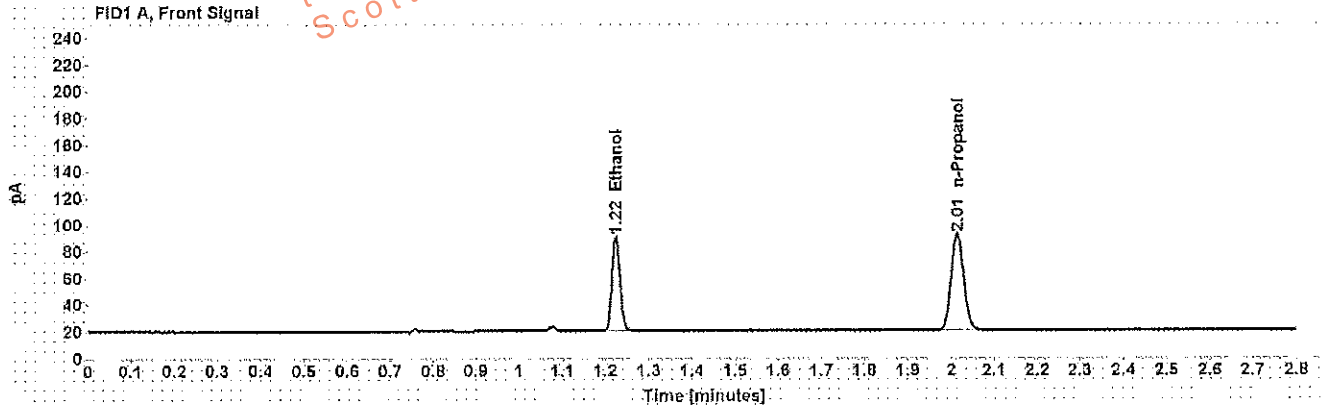


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1653	1.224	90.562
n-Propanol	-----	2.015	148.110

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

Compound	Time (min)	Peak Area
Ethanol	1.327	93.440
n-Propanol	2.345	152.842

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1089131
<b>Injection date:</b> 3/17/2017 3:35:05 PM	<b>Vial:</b> 34
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 17Mar17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\17Mar17\34.D	

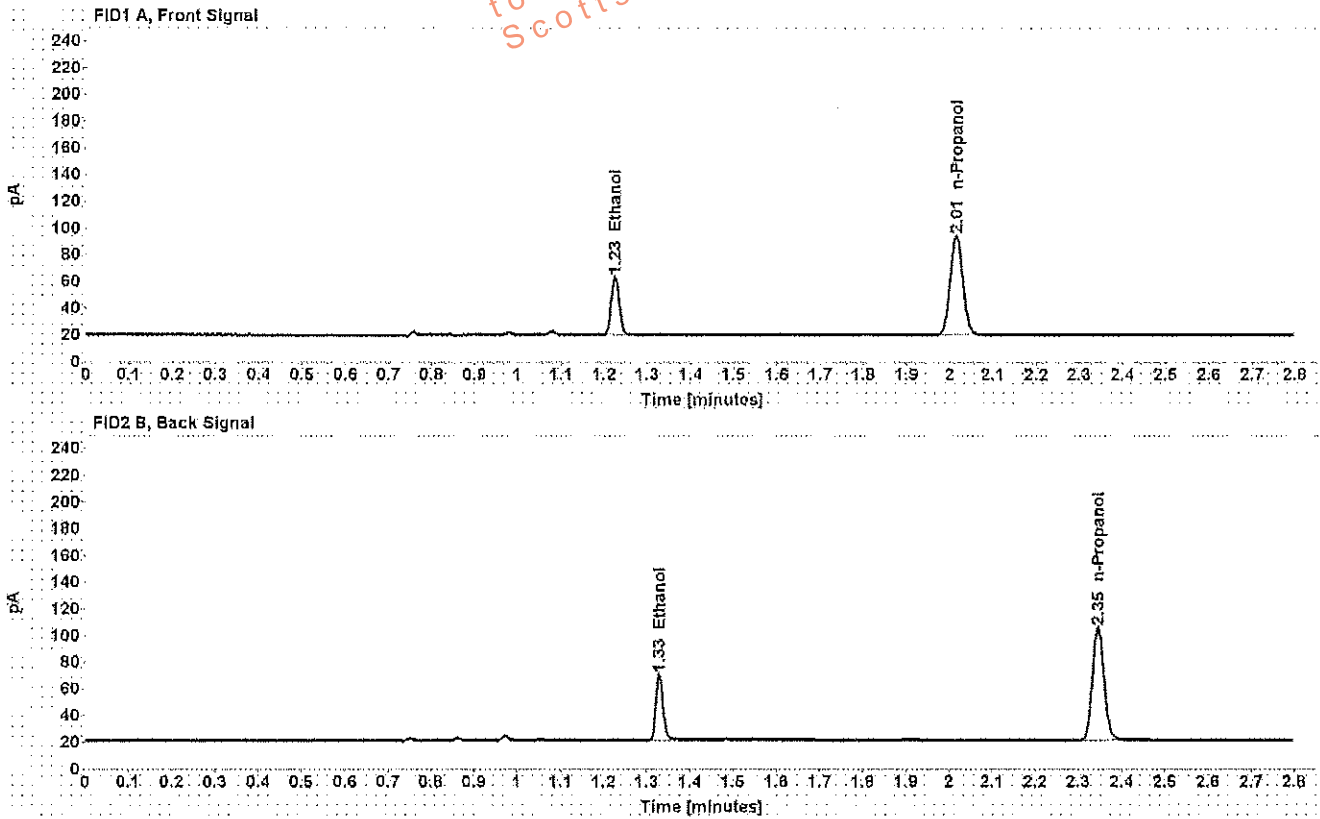


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0992	1.225	55.682
n-Propanol	-----	2.015	152.244

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

Compound	Time (min)	Peak Area
Ethanol	1.329	57.476
n-Propanol	2.346	157.556

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1089131
Injection date: 3/17/2017 3:39:05 PM	Vial: 35
Method: ethanol quant.M	Sequence: 17Mar17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\17Mar17\35.D	

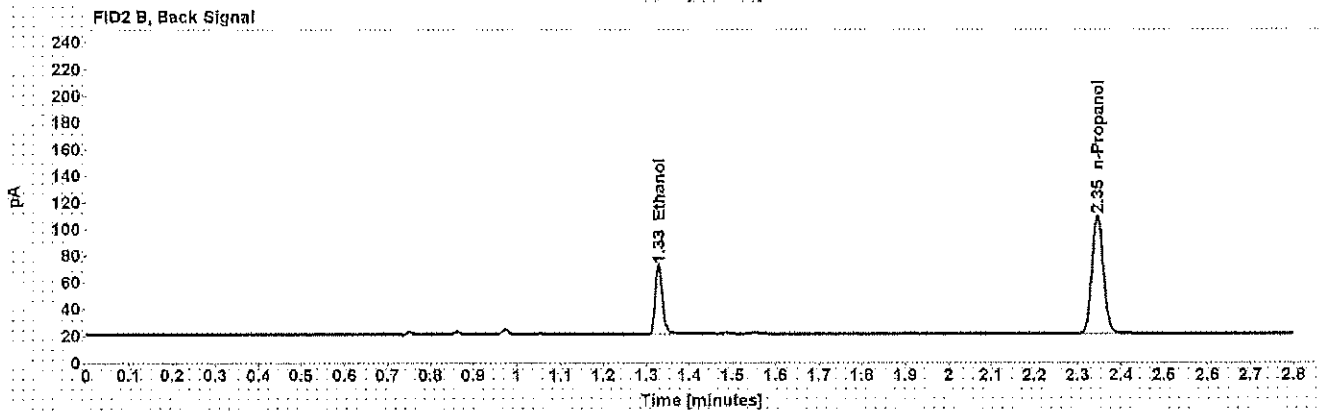
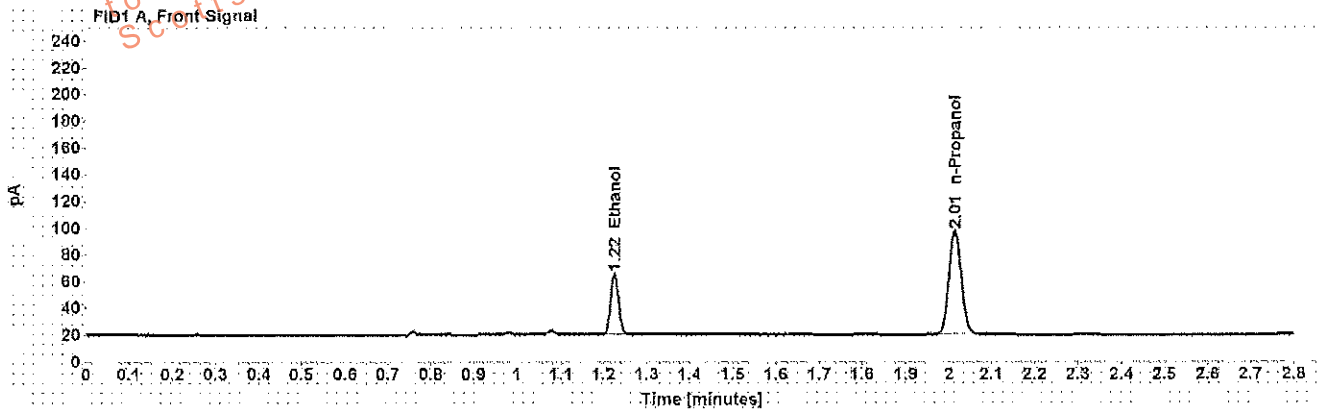


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0997	1.225	58.215
n-Propanol	-----	2.015	158.463

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

Compound	Time (min)	Peak Area
Ethanol	1.328	60.019
n-Propanol	2.345	164.181