

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 1/27/2017 SEQUENCE NAME 27Jan17

### EQUIPMENT

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

### INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination ( $r^2$ )  
 Vial 2 0.10 calibrator Lot FN06181501 0.99987  
 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 012517
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 053116WLA
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 05012012-C
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 09022015-A
9	Blood control	0.200 g/dL	0.199 g/dL	ACQ 402101060/6
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.148 g/dL	Lipomed 11012012-C
42	Blood control	0.200 g/dL	0.199 g/dL	ACQ 402101060/6
45	Aqueous control	0.400 g/dL	0.394 g/dL	Lipomed 05012012-C
46	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 09022015-A
47	Blood control	0.200 g/dL	0.201 g/dL	ACQ 402101060/6
48	Blank	Not detected	Not detected	SPD lab 012517

### SUBJECT SAMPLES

Subjects in the sequence 16 Subjects requiring reanalysis 0

ADDITIONAL NOTES: The spelling of subject's name was manually corrected on chromatograms 27,28. The order of first and last name for subjects was manually corrected on chromatograms 14,15 and 23,24.

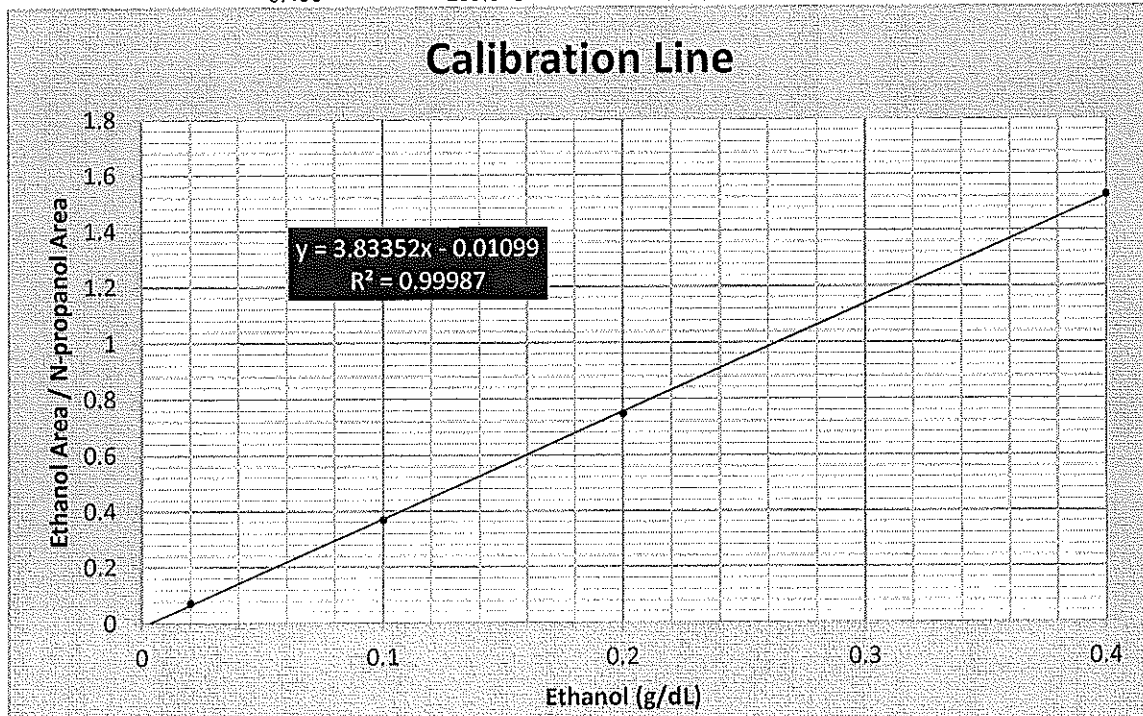
Run valid  Run invalid  B1570 WA 2/6/17 Analyst  
 Run valid  Run invalid  KOSECKI 2/6/17 Technical Reviewer

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

SEQUENCE NAME: 27Jan17

Control	Target	Measured Value (g/dL)	Measured Value (mg/dL)	Percent Difference	Absolute Difference (g/dL)
1	7	0.400	0.399	0.25	-0.001
2	8	0.040	0.041	2.50	0.001
3	9	0.200	0.199	0.50	-0.001
4	20	0.080	0.080	0.00	0.000
5	31	0.150	0.148	1.33	-0.002
6	42	0.200	0.199	0.50	-0.001
7	45	0.400	0.394	1.50	-0.006
8	46	0.040	0.041	2.50	0.001
9	47	0.200	0.201	0.50	0.001
10	48	negative	negative	-	-

Calibration	Ethanol Area	N-propanol Area	Ratio
0.020	10.157	145.150	0.071
0.100	54.270	146.916	0.369
0.200	106.788	142.965	0.747
0.400	232.518	152.252	1.527



WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.020 Cerilliant FN03241604  
 Injection date: 1/27/2017 1:56:54 PM  
 Method: ethanol quant.M  
 Instrument: US14173023 CN14160045  
 Data file: C:\Chem32\1\Data\27Jan17\1.D

Item number:  
 Vial: 1  
 Sequence: 27Jan17  
 Analyst: Adrian

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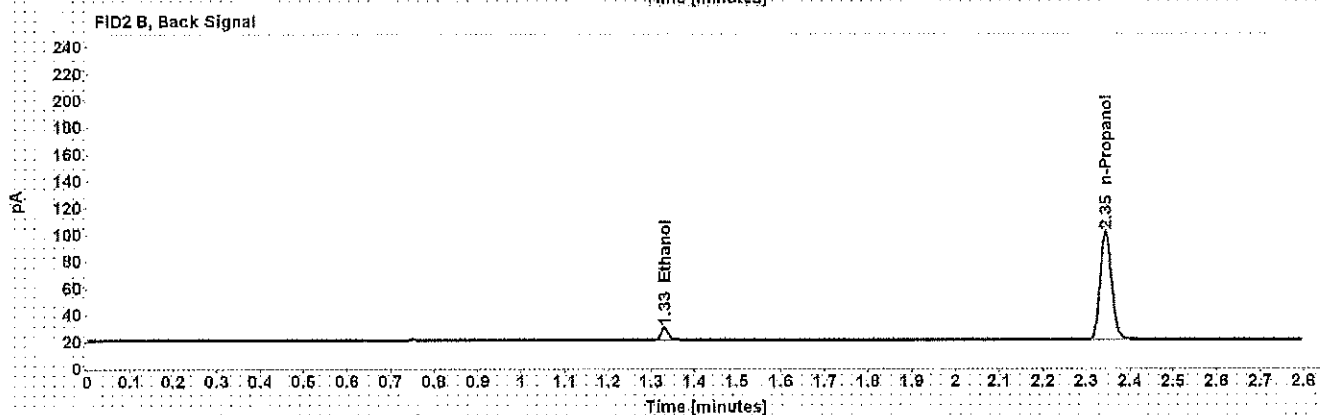
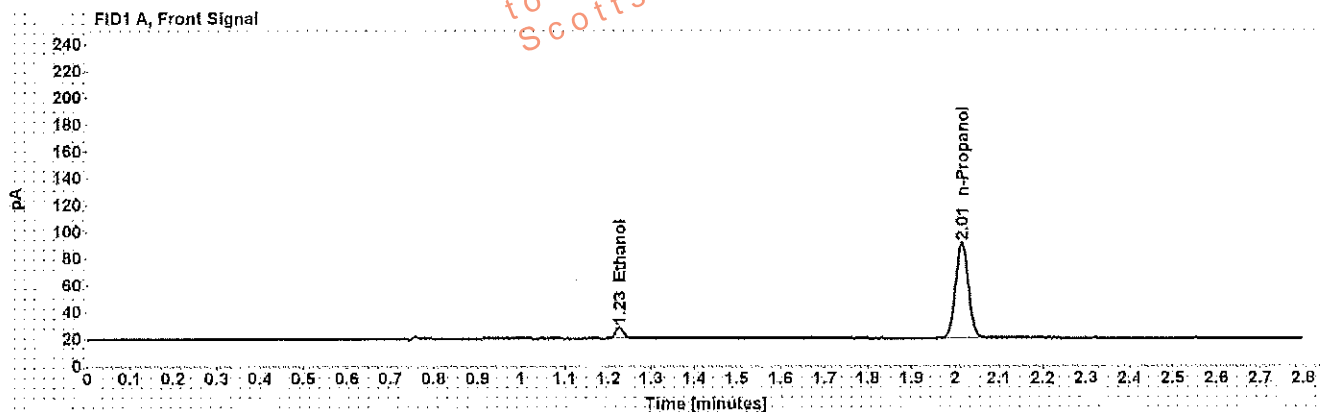


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	10.557
n-Propanol	2.014	145.350

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

Compound	Time (min)	Peak Area
Ethanol	1.330	10.687
n-Propanol	2.345	149.306

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.100 Cerilliant FN06181501	<b>Item number:</b>
<b>Injection date:</b> 1/27/2017 2:00:55 PM	<b>Vial:</b> 2
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173029 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\27Jan17\2.D	

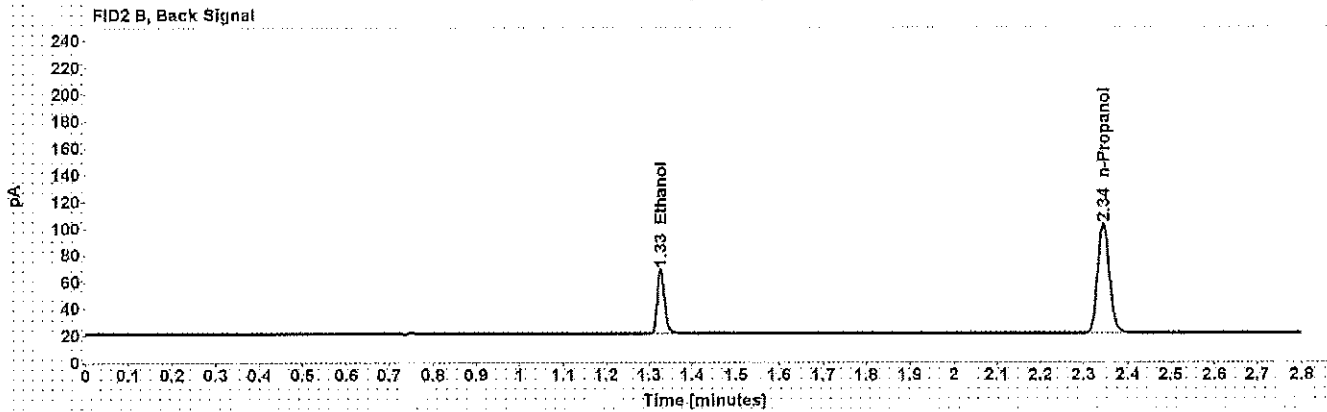
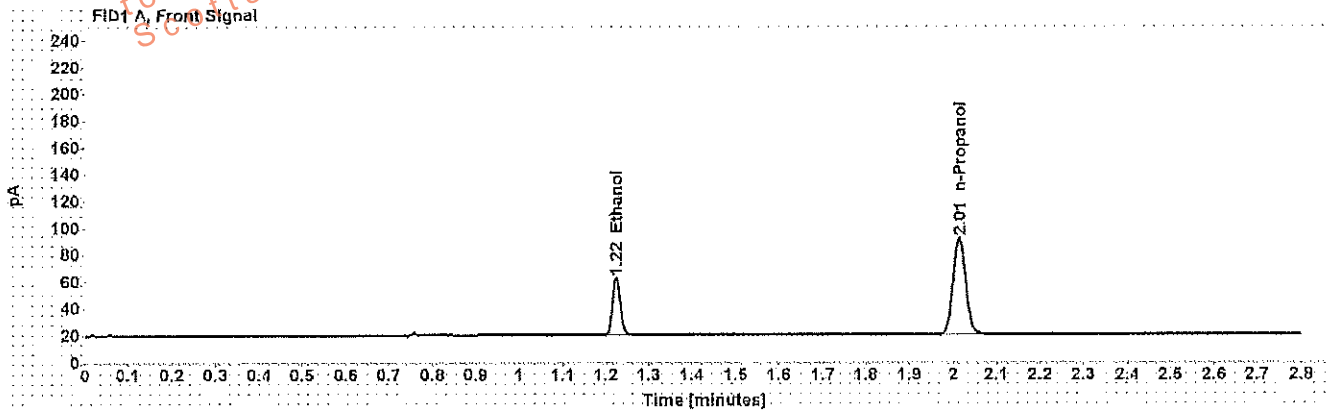


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	54.270
n-Propanol	2.014	146.916

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

Compound	Time (min)	Peak Area
Ethanol	1.327	55.627
n-Propanol	2.345	151.041

WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.200 Cerilliant FN07201502      Item number:  
 Injection date: 1/27/2017 2:04:54 PM      Vial: 3  
 Method: ethanol quant.M      Sequence: 27Jan17  
 Instrument: US14173023 CN14160045      Analyst: Adrian  
 Data file: C:\Chem3211\Data\27Jan17\3.D

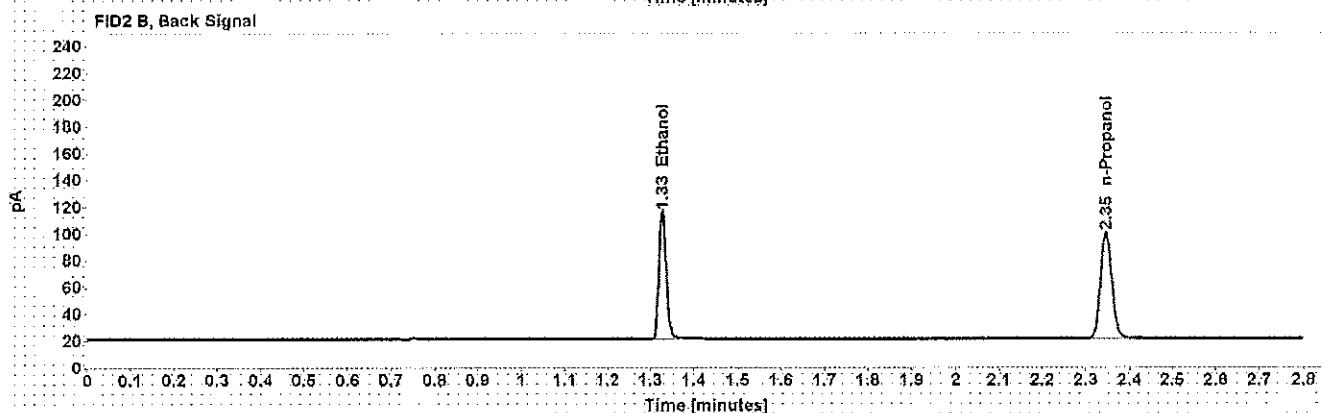
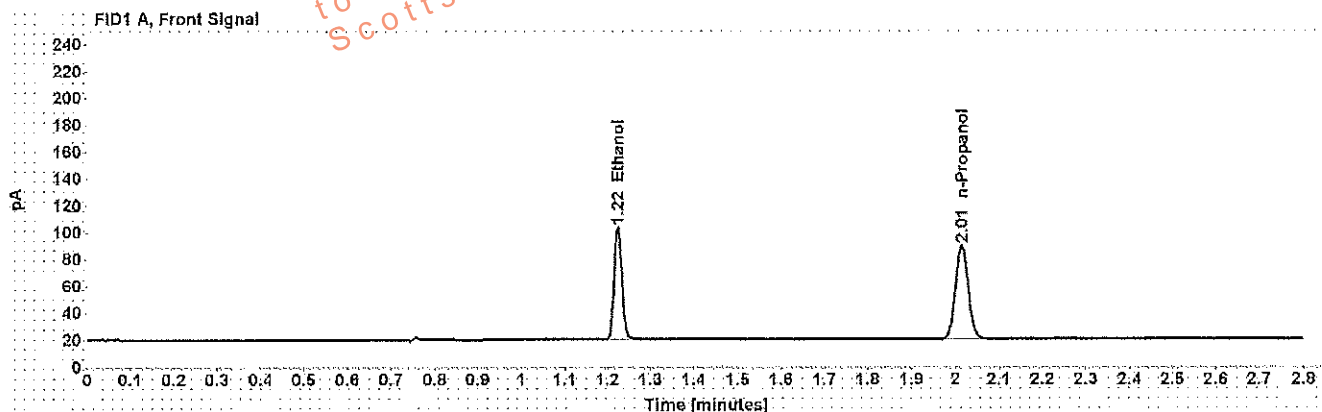


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	106.788
n-Propanol	2.015	142.965

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

Compound	Time (min)	Peak Area
Ethanol	1.328	110.246
n-Propanol	2.346	147.021

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.400 Cerilliant FN11191402	Item number:	
Injection date:	1/27/2017 2:08:54 PM	Vial:	4
Method:	ethanol quant.M	Sequence:	27Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\27Jan17\4.D		

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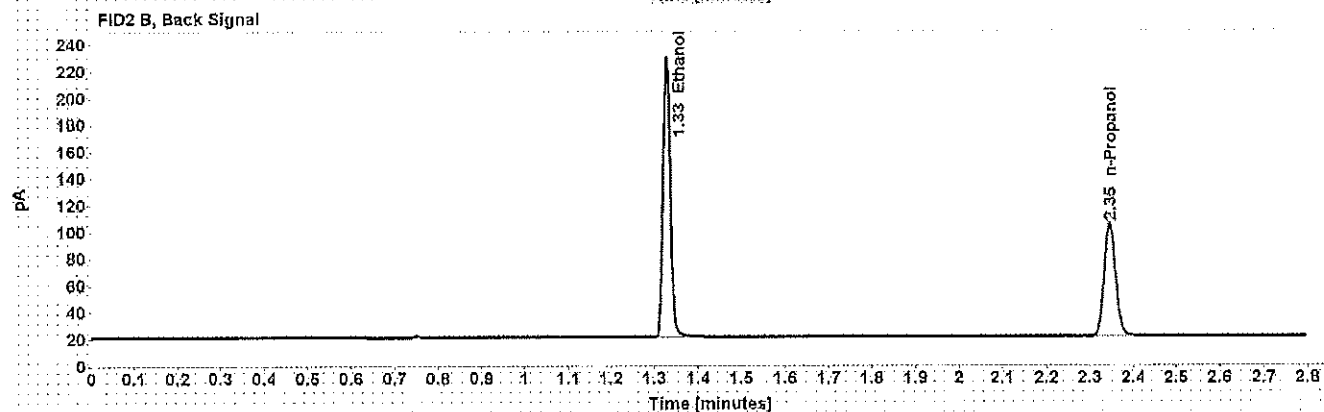


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	232.518
n-Propanol	2.015	152.252

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

Compound	Time (min)	Peak Area
Ethanol	1.327	240.656
n-Propanol	2.346	156.654

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 012517	Item number:
Injection date: 1/27/2017 2:12:54 PM	Vial: 5
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Jan17\5.D	

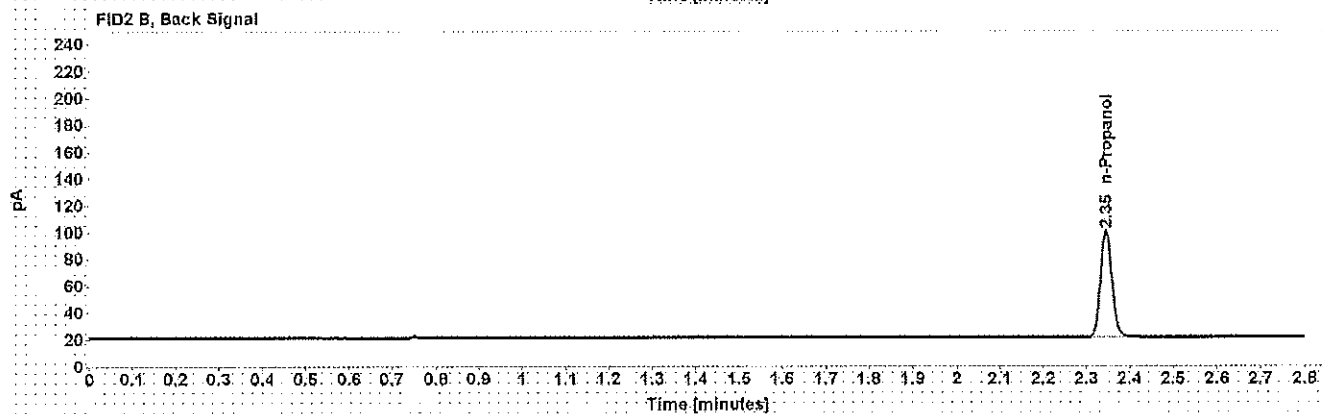
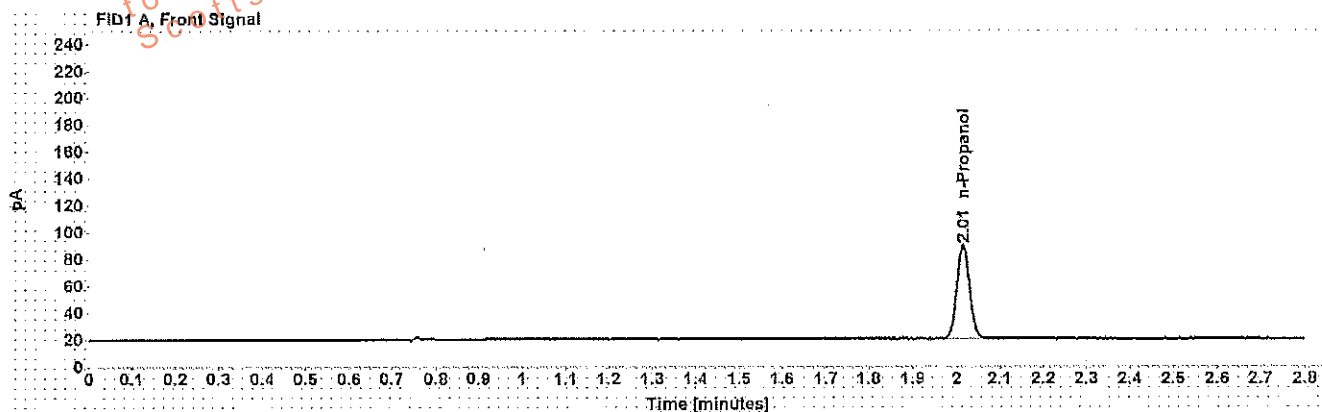


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	142.901

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	146.899

WFA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	volatiles mix 053116 WLA	Item number:	
Injection date:	1/27/2017 2:16:54 PM	Vial:	6
Method:	ethanol quant.M	Sequence:	27Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\27Jan17\6.D		

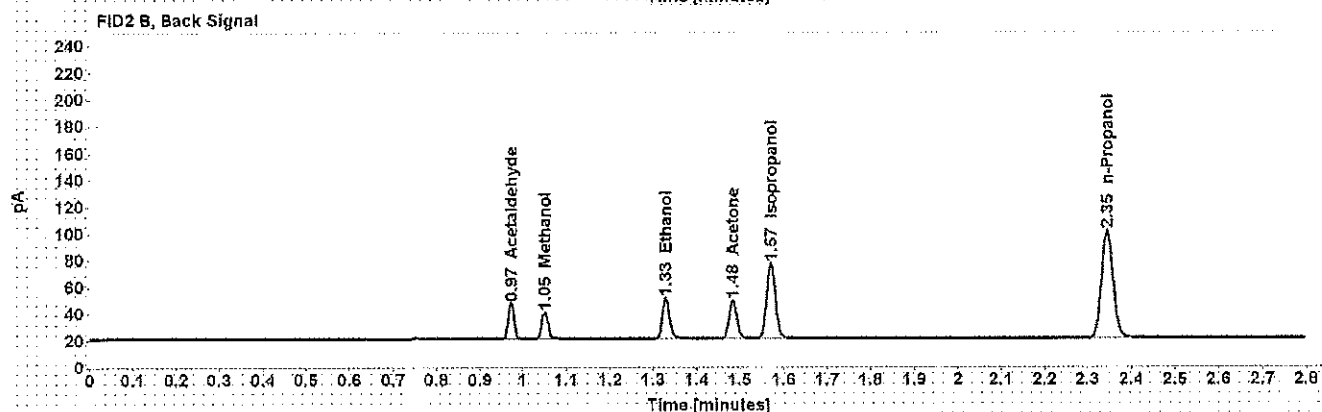
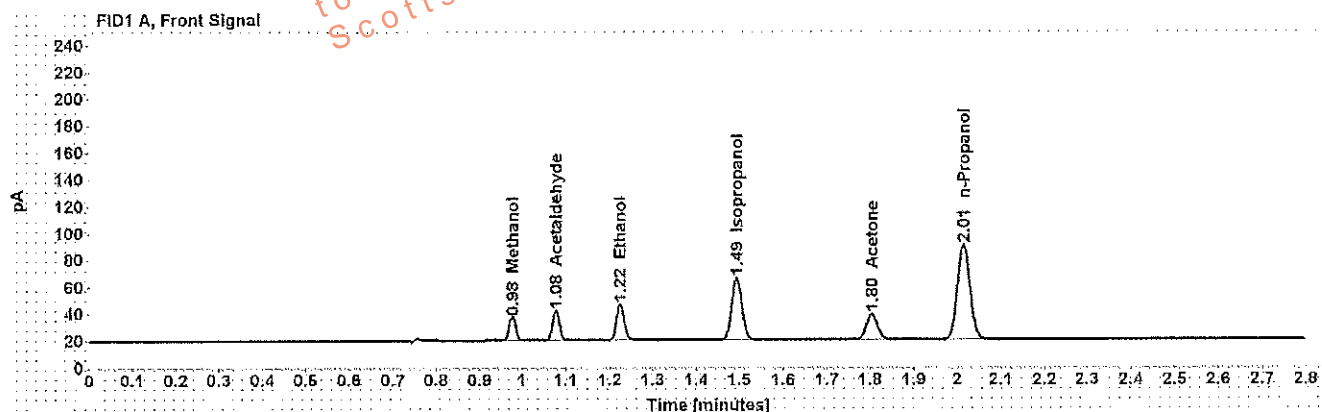


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.976	19.657
Acetaldehyde	-----	1.077	24.353
>Ethanol	0.0648	1.225	34.186
Isopropanol	-----	1.494	75.809
Acetone	-----	1.804	34.518
n-Propanol	-----	2.014	143.965

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	25.906
Methanol	1.051	20.348
Ethanol	1.328	34.967
Acetone	1.483	35.276
Isopropanol	1.570	78.599
n-Propanol	2.345	148.107



NA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Lipomed 05012012-C	Item number:
Injection date: 1/27/2017 2:21:09 PM	Vial: 7
Method: ethanol quant.M	Sequence: 27 Jan 17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Jan17\7.D	

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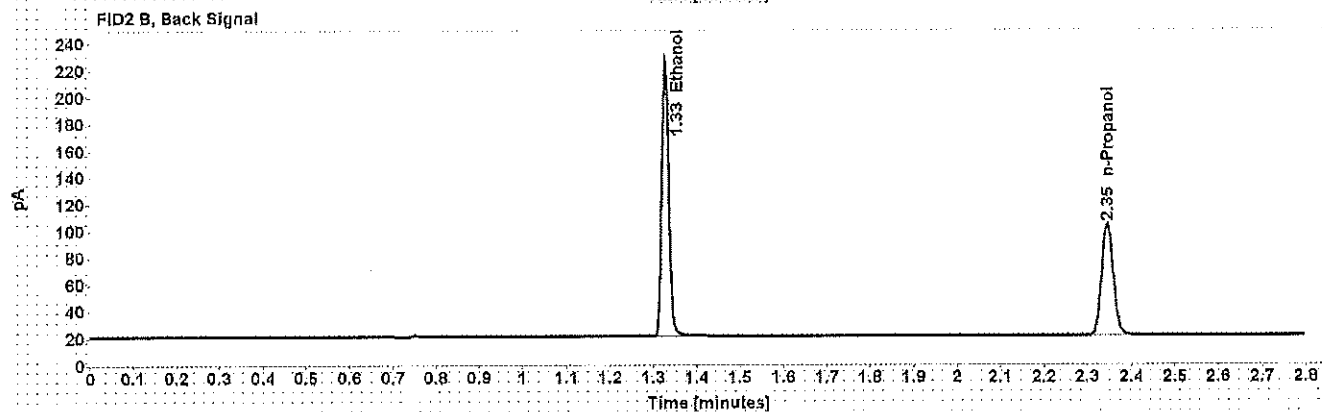
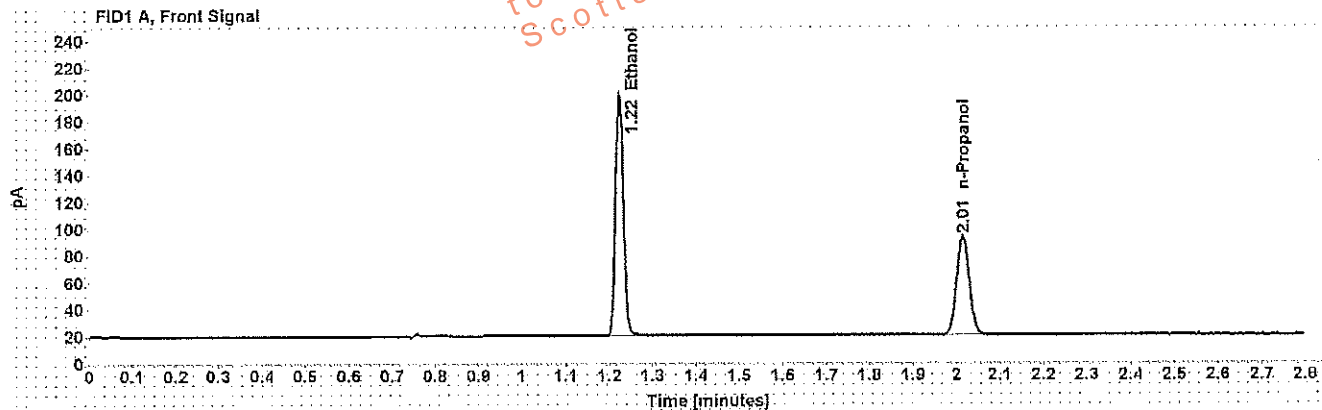


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3990	1.224	228.997
n-Propanol	-----	2.015	150.807

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

Compound	Time (min)	Peak Area
Ethanol	1.327	237.383
n-Propanol	2.345	155.143

WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 09022015-A  
 Injection date: 1/27/2017 2:25:09 PM  
 Method: ethanol quant.M  
 Instrument: US14173023 CN14160045  
 Data file: C:\Chem3211\Data\27Jan17\8.D

Item number:  
 Vial: 8  
 Sequence: 27Jan17  
 Analyst: Adrian

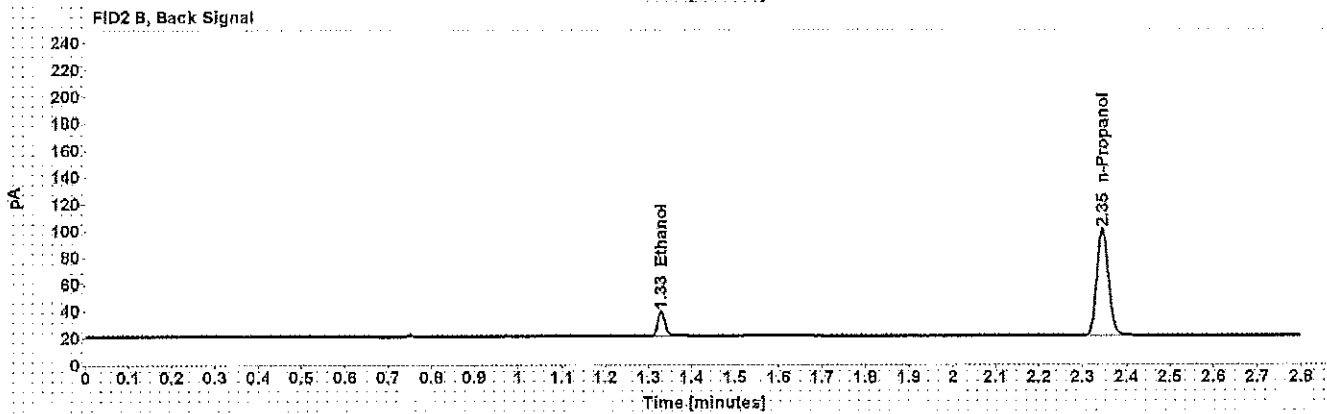
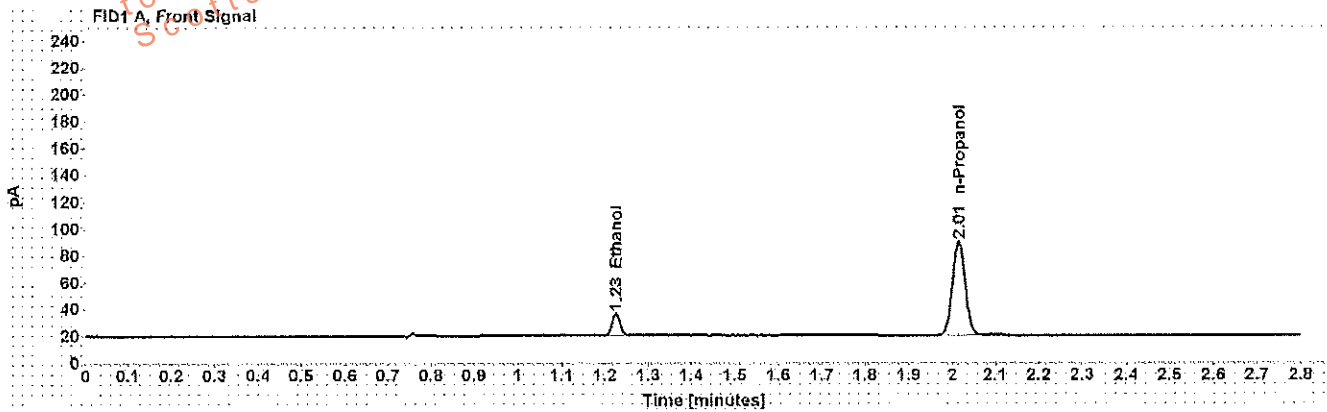


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.225	20.956
n-Propanol	-----	2.015	143.499

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

Compound	Time (min)	Peak Area
Ethanol	1.329	21.520
n-Propanol	2.345	147.724

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 1/27/2017 2:29:10 PM	Vial: 9
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Jan17\9.D	

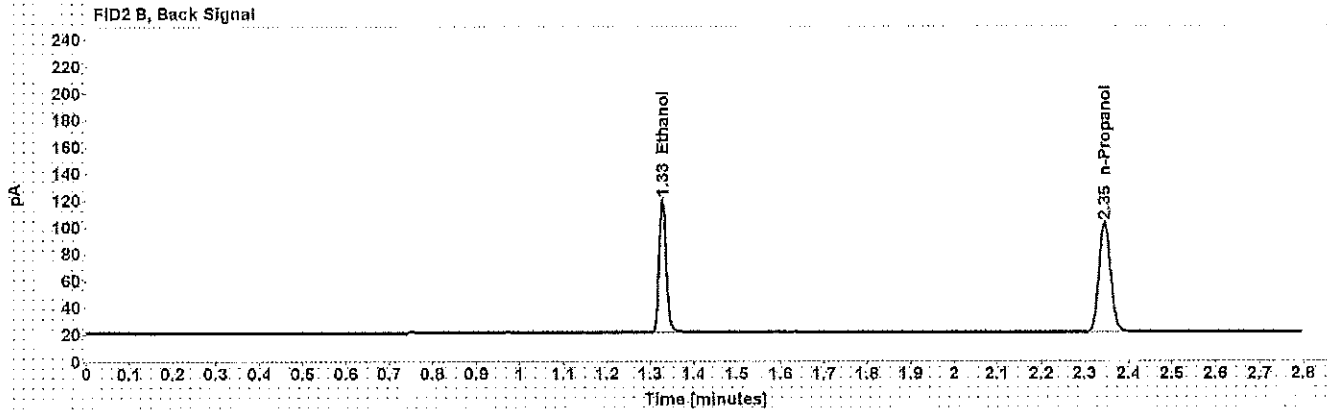
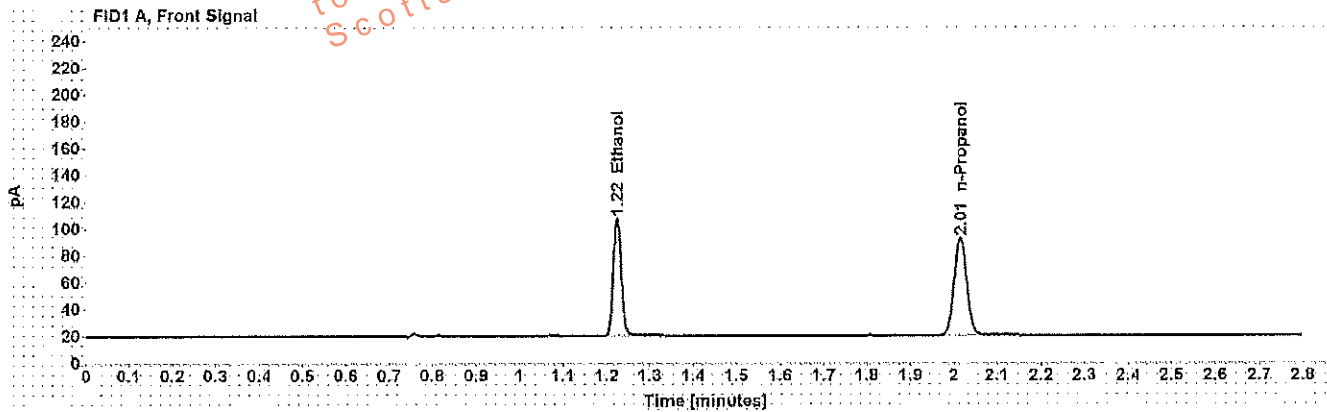


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1997	1.224	111.755
n-Propanol	-----	2.015	148.076

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

Compound	Time (min)	Peak Area
Ethanol	1.326	115.229
n-Propanol	2.346	152.586

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 1/27/2017 3:13:39 PM	Vial: 20
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Jan17\20.D	

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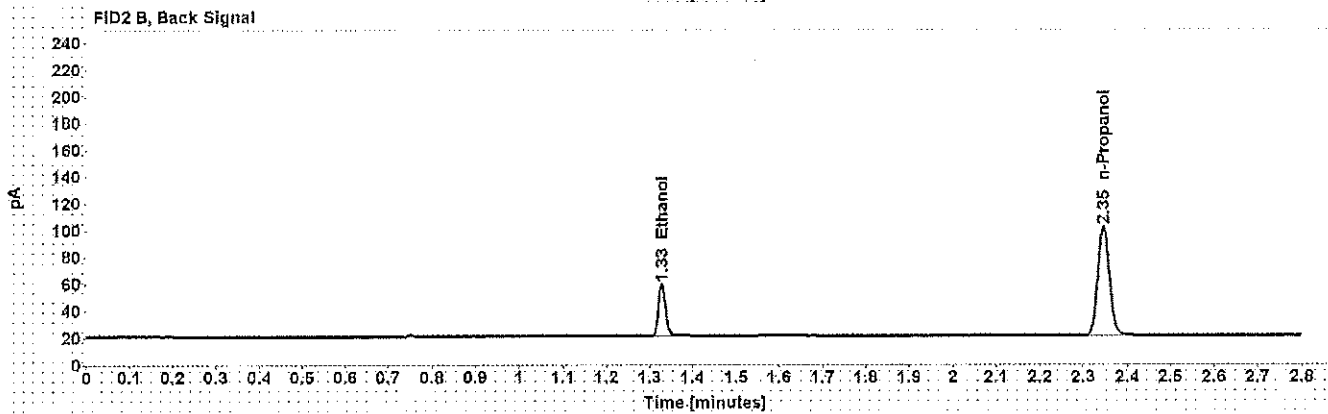
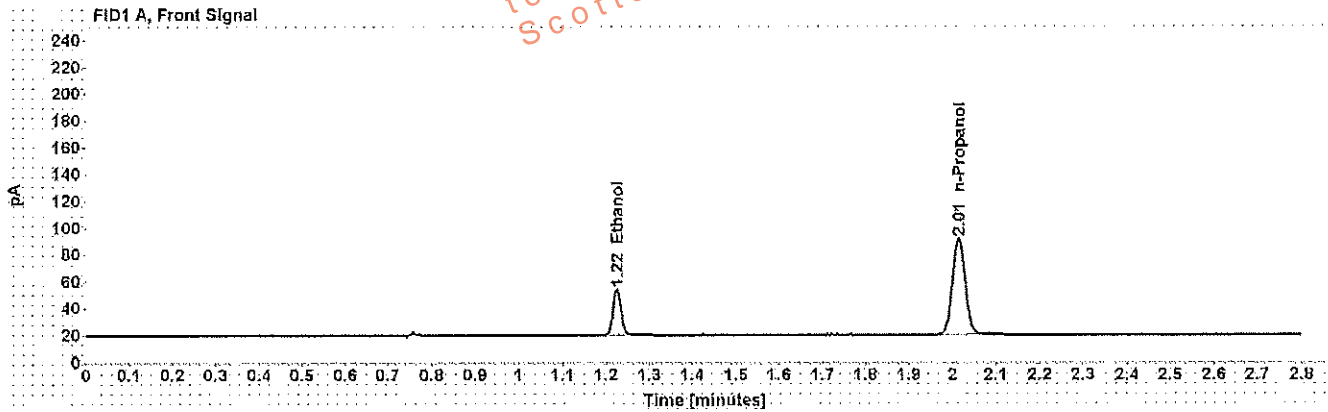


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.225	43.638
n-Propanol	-----	2.015	146.449

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

Compound	Time (min)	Peak Area
Ethanol	1.329	44.843
n-Propanol	2.346	150.968

WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.150 Lipomed 11012012-C	Item number:	
Injection date:	1/27/2017 3:58:09 PM	Vial:	31
Method:	ethanol quant.M	Sequence:	27Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\27Jan17\31.D		

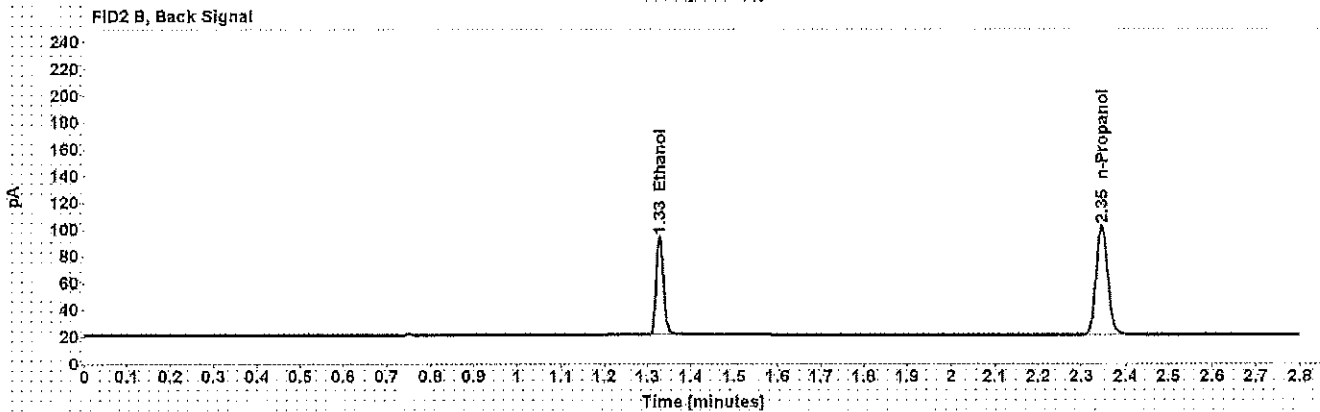
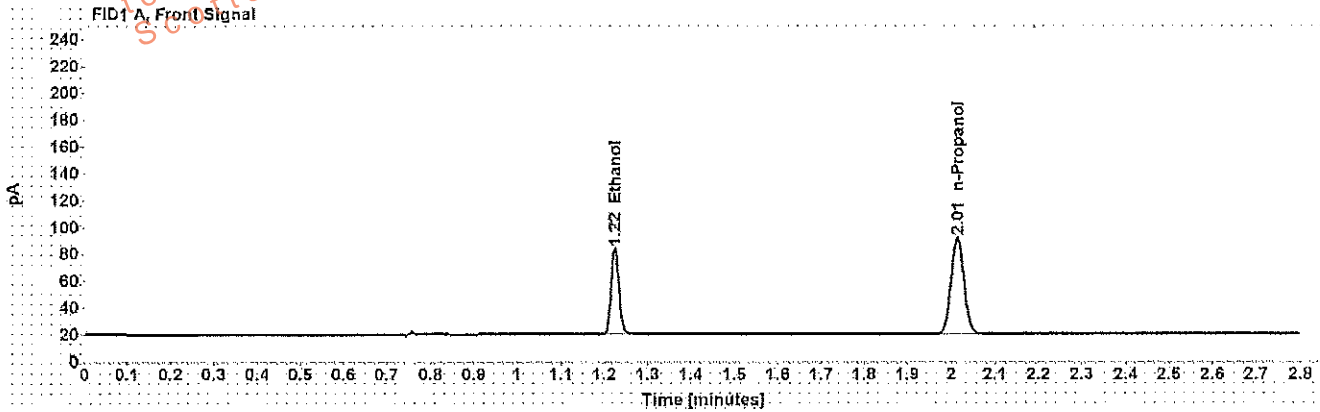


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1487	1.224	81.936
n-Propanol	-----	2.015	146.591

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

Compound	Time (min)	Peak Area
Ethanol	1.328	84.931
n-Propanol	2.346	151.289

WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6      Item number:  
 Injection date: 1/27/2017 4:42:24 PM      Vial: 42  
 Method: ethanol quant.M      Sequence: 27Jan17  
 Instrument: US14173023 CN14160045      Analyst: Adrian  
 Data file: C:\Chem32\1\1Data\27Jan17\42.D

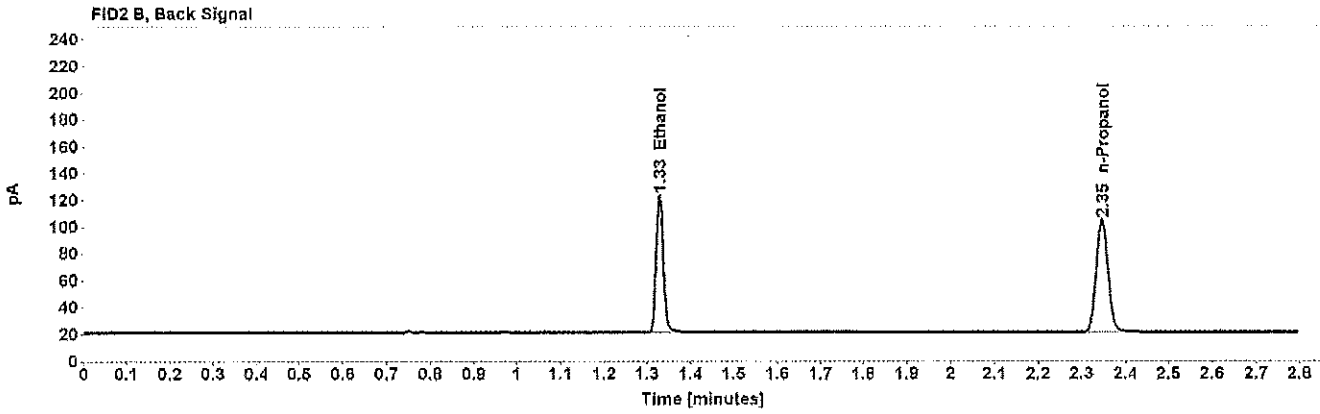
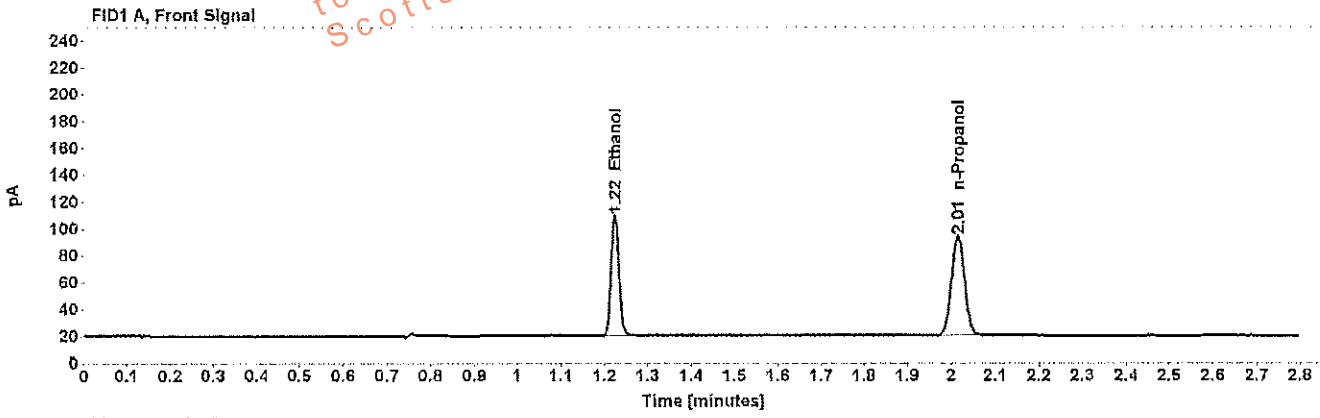


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1997	1.224	114.253
n-Propanol	-----	2.015	151.399

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

Compound	Time (min)	Peak Area
Ethanol	1.328	118.055
n-Propanol	2.346	155.904

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 1/27/2017 4:54:39 PM	Vial: 45
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Jan17\45.D	

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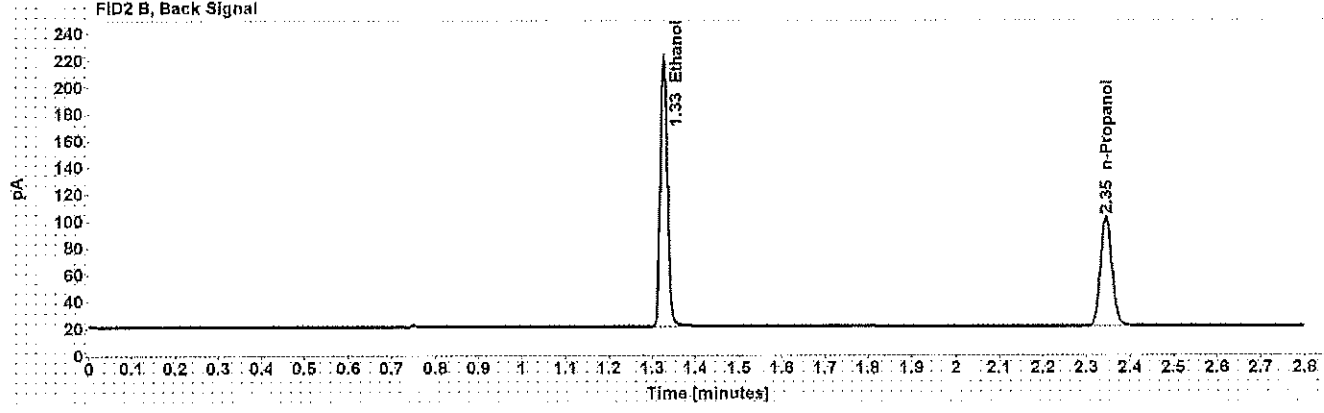
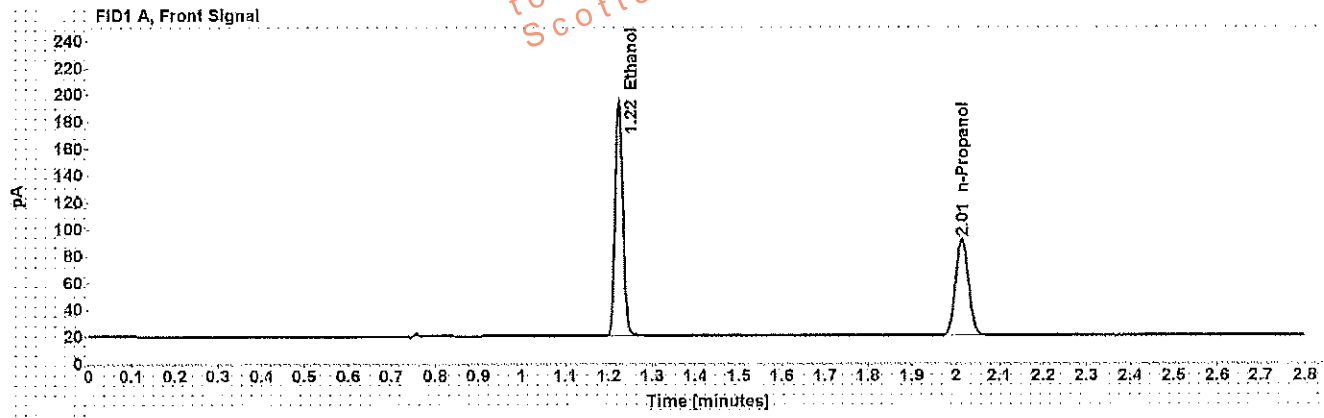


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3947	1.224	220.571
n-Propanol	-----	2.014	146.845

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

Compound	Time (min)	Peak Area
Ethanol	1.327	228.457
n-Propanol	2.345	151.245

WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.04 Lipomed 09022015-A	Item number:	
Injection date:	1/27/2017 4:58:39 PM	Vial:	46
Method:	ethanol quant.M	Sequence:	27Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\27Jan17\46.D		

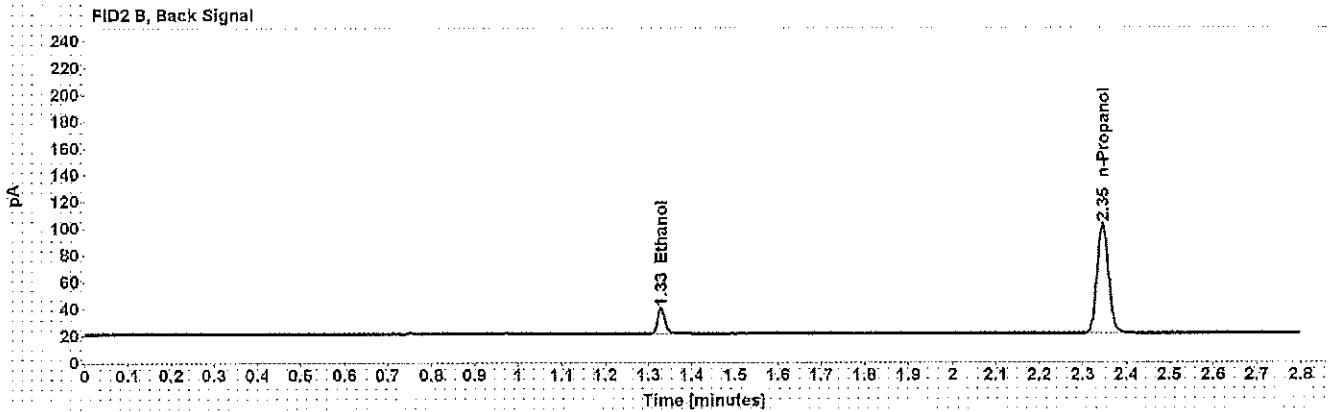
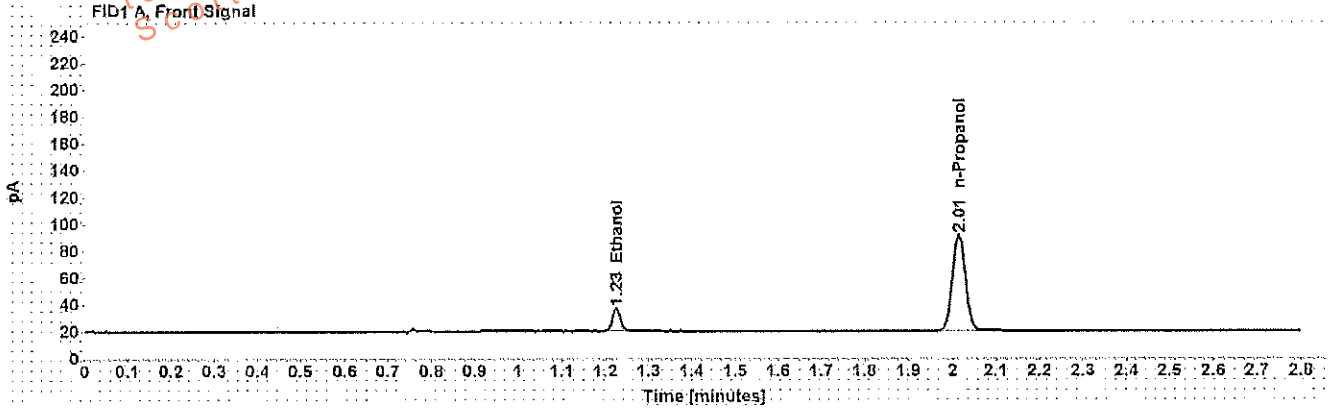


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.225	21.555
n-Propanol	-----	2.014	146.786

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

Compound	Time (min)	Peak Area
Ethanol	1.329	22.144
n-Propanol	2.345	151.323



WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.20 ACQ 402101060/6	Item number:	
Injection date:	1/27/2017 5:02:39 PM	Vial:	47
Method:	ethanol quant.M	Sequence:	27Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
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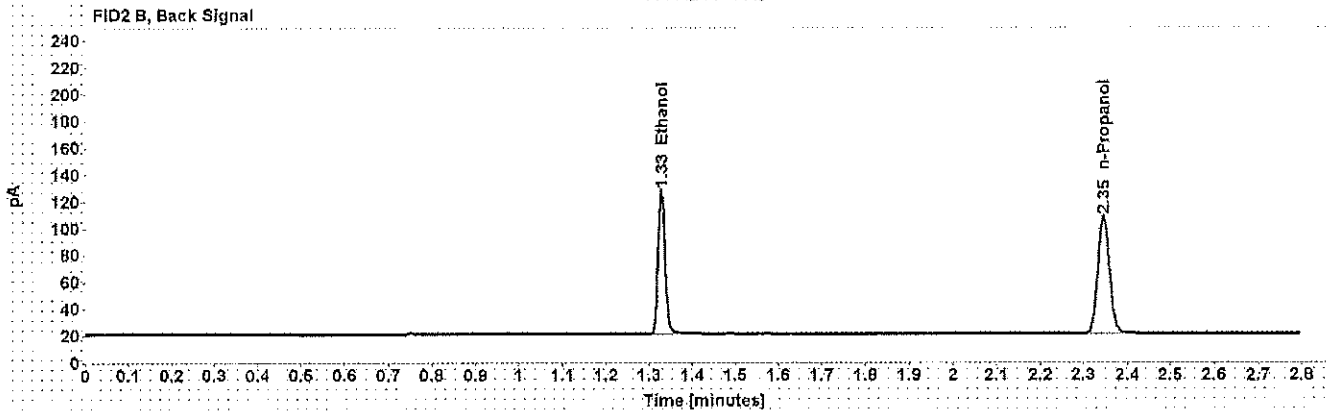
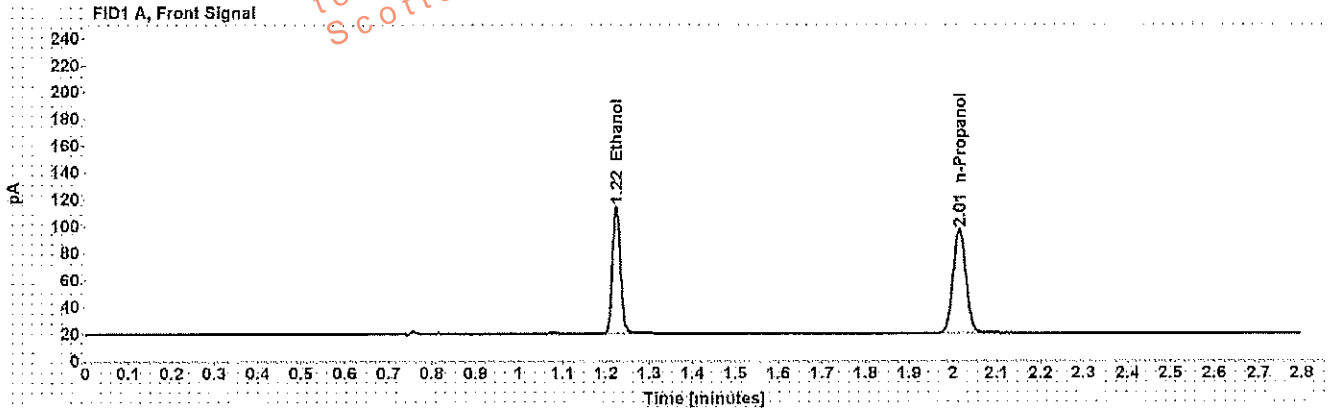


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2019	1.224	120.562
n-Propanol	-----	2.015	157.989

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

Compound	Time (min)	Peak Area
Ethanol	1.327	124.442
n-Propanol	2.345	163.067

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 012517	Item number:
Injection date: 1/27/2017 5:06:39 PM	Vial: 48
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Jan17\48.D	

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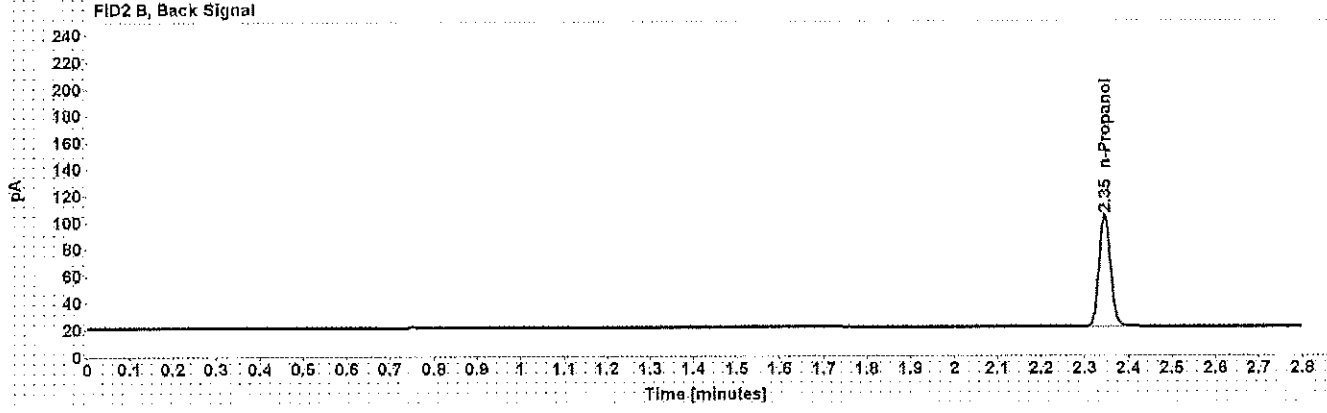
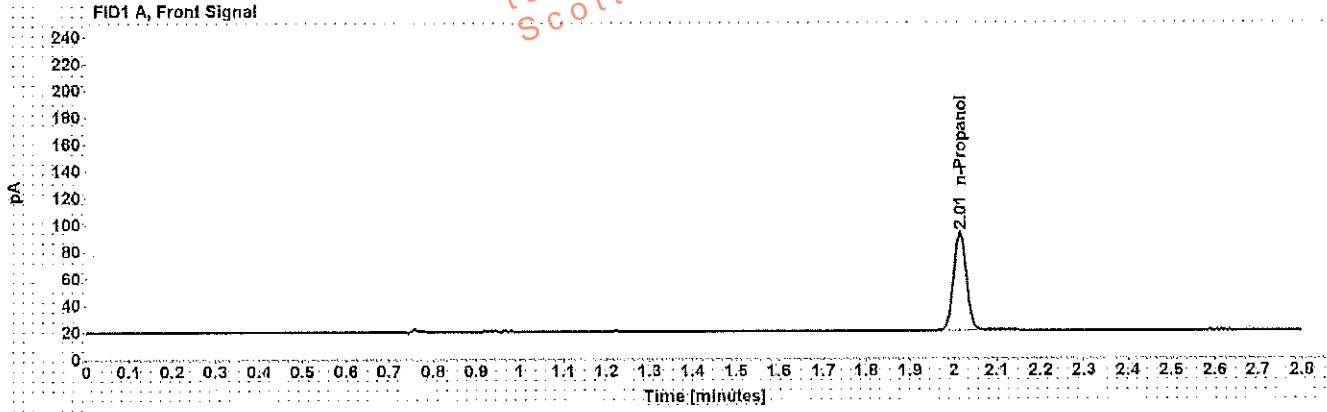


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	149.653

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	154.351

# Sequence Summary

Sequence name: 27Jan17 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 053116 WLA	Control		ethanol quant.M
7	0.400 Lipomed 05012012-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.20 ACQ 402101060/6	Control		ethanol quant.M
10	[REDACTED]	Sample	72-01A	ethanol quant.M
11	[REDACTED]	Sample	72-01A	ethanol quant.M
12	[REDACTED]	Sample	176-01A	ethanol quant.M
13	[REDACTED]	Sample	176-01A	ethanol quant.M
14	[REDACTED]	Sample	312-01A	ethanol quant.M
15	[REDACTED]	Sample	312-01A	ethanol quant.M
16	[REDACTED]	Sample	135-01A	ethanol quant.M
17	[REDACTED]	Sample	135-01A	ethanol quant.M
18	[REDACTED]	Sample	72-01A	ethanol quant.M
19	[REDACTED]	Sample	72-01A	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21	[REDACTED]	Sample	125-01A	ethanol quant.M
22	[REDACTED]	Sample	125-01A	ethanol quant.M
23	[REDACTED]	Sample	72-01A	ethanol quant.M
24	[REDACTED]	Sample	72-01A	ethanol quant.M
25	[REDACTED]	Sample	169-01A	ethanol quant.M
26	[REDACTED]	Sample	169-01A	ethanol quant.M
27	[REDACTED]	Sample	125-01A	ethanol quant.M
28	[REDACTED]	Sample	125-01A	ethanol quant.M
29	[REDACTED]	Sample	78-01A	ethanol quant.M
30	[REDACTED]	Sample	78-01A	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32	[REDACTED]	Sample	176-01A	ethanol quant.M
33	[REDACTED]	Sample	176-01A	ethanol quant.M
34	[REDACTED]	Sample	310-01A	ethanol quant.M
35	[REDACTED]	Sample	310-01A	ethanol quant.M
36	[REDACTED]	Sample	125-01A	ethanol quant.M
37	[REDACTED]	Sample	125-01A	ethanol quant.M
38	[REDACTED]	Sample	1068260	ethanol quant.M
39	[REDACTED]	Sample	1068260	ethanol quant.M
40	[REDACTED]	Sample	1097598	ethanol quant.M
41	[REDACTED]	Sample	1097598	ethanol quant.M
42	0.20 ACQ 402101060/6	Control		ethanol quant.M
43	[REDACTED]	Sample	285-01A	ethanol quant.M
44	[REDACTED]	Sample	285-01A	ethanol quant.M
45	0.40 Lipomed 05012012-C	Control		ethanol quant.M
46	0.04 Lipomed 09022015-A	Control		ethanol quant.M
47	0.20 ACQ 402101060/6	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized personnel only. Secondary dissemination to other agencies is PROHIBITED.

# Sequence Summary

48	blank 012517	Control	ethanol quant.M
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## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 72-01A
<b>Injection date:</b> 1/27/2017 2:33:09 PM	<b>Vial:</b> 10
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\27Jan17\10.D	

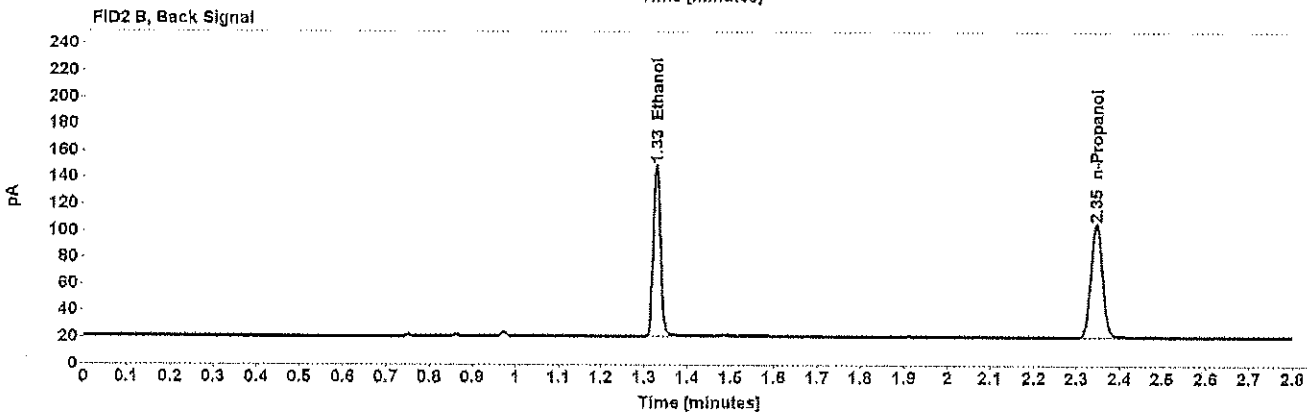
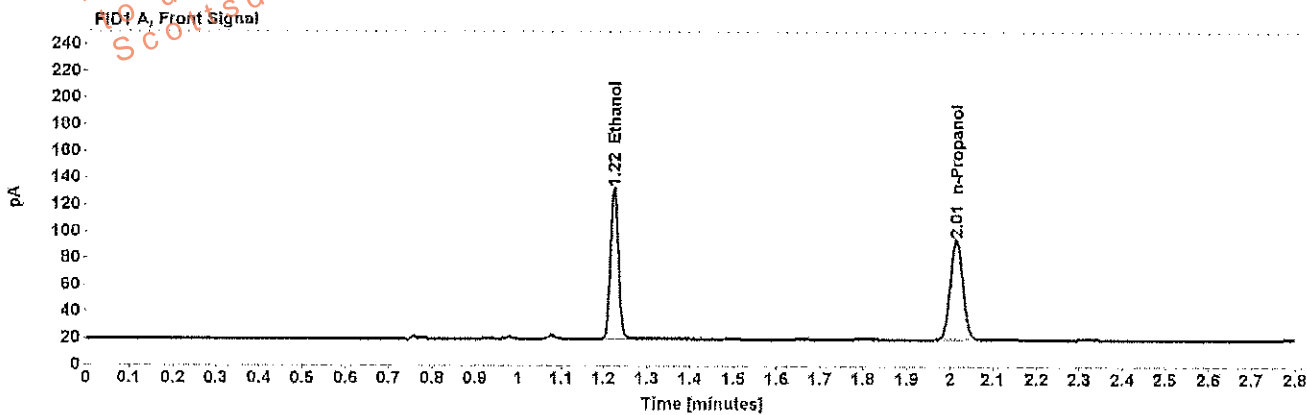


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2488	1.224	144.096
n-Propanol	-----	2.015	152.811

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

Compound	Time (min)	Peak Area
Ethanol	1.328	148.741
n-Propanol	2.346	157.477

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 72-01A
<b>Injection date:</b> 1/27/2017 2:37:09 PM	<b>Vial:</b> 11
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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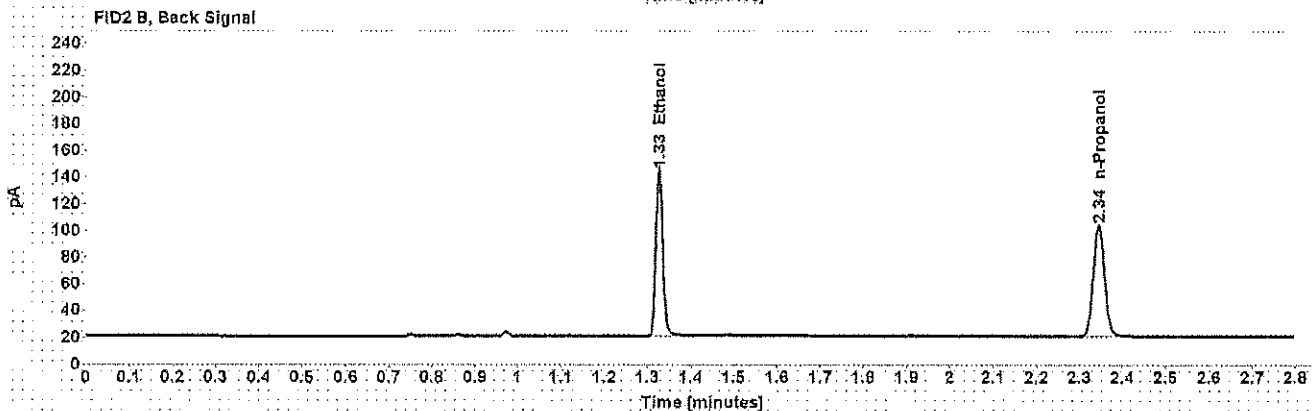
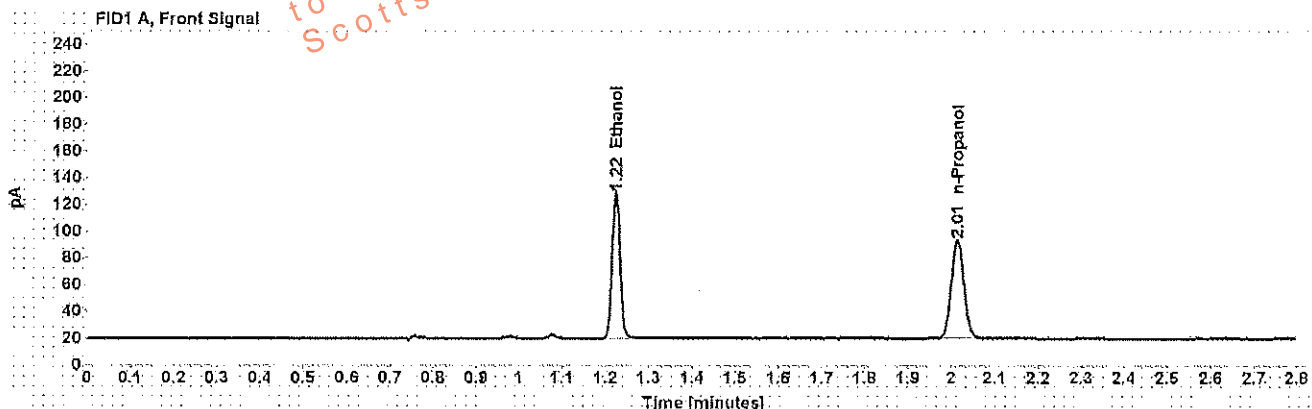


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2446	1.224	138.968
n-Propanol	-----	2.014	149.948

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

Compound	Time (min)	Peak Area
Ethanol	1.327	143.521
n-Propanol	2.345	154.546

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 176-01A
<b>Injection date:</b> 1/27/2017 2:41:09 PM	<b>Vial:</b> 12
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\27Jan17\12.D	

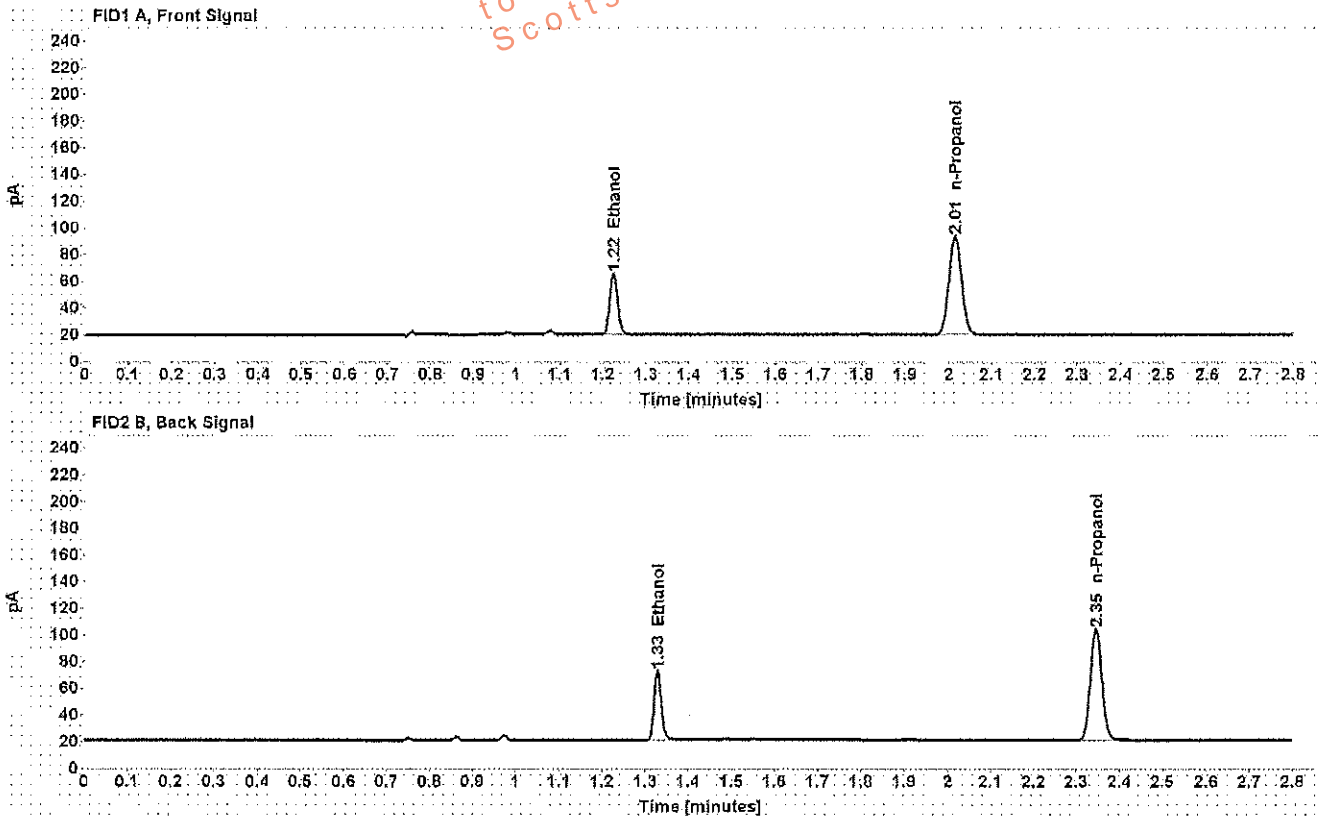


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1042	1.225	58.234
n-Propanol	-----	2.015	149.875

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

Compound	Time (min)	Peak Area
Ethanol	1.328	59.899
n-Propanol	2.346	154.923



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 176-01A
<b>Injection date:</b> 1/27/2017 2:45:24 PM	<b>Vial:</b> 13
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem321\Data\27Jan17\13.D	

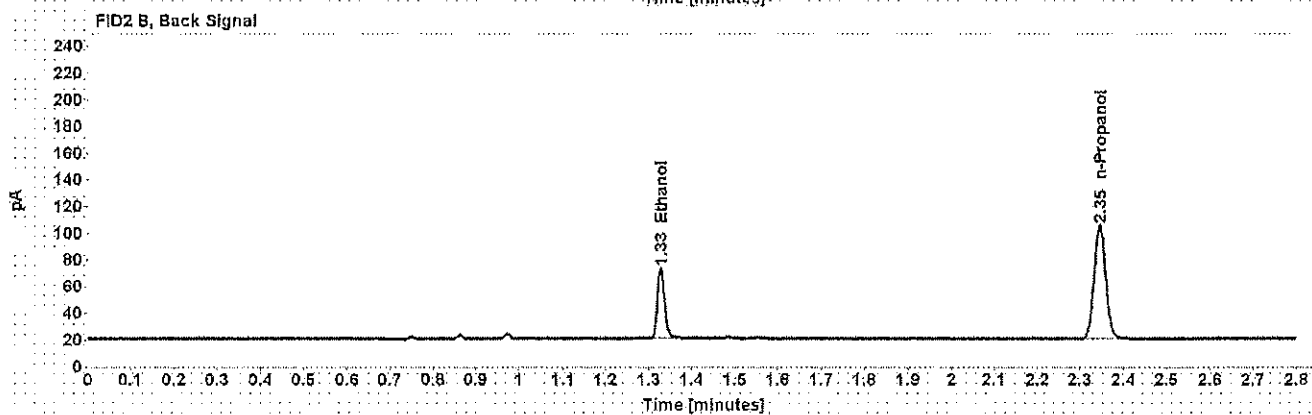
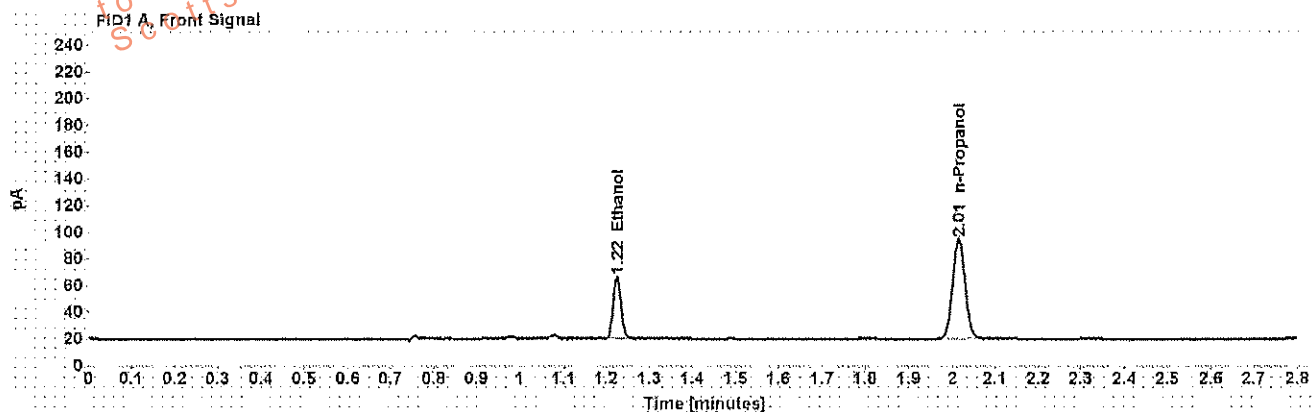


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1045	1.225	59.218
n-Propanol	-----	2.015	151.980

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

Compound	Time (min)	Peak Area
Ethanol	1.328	61.165
n-Propanol	2.346	157.078

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 312-01A
<b>Injection date:</b> 1/27/2017 2:49:24 PM	<b>Vial:</b> 14
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\27Jan17\14.D	

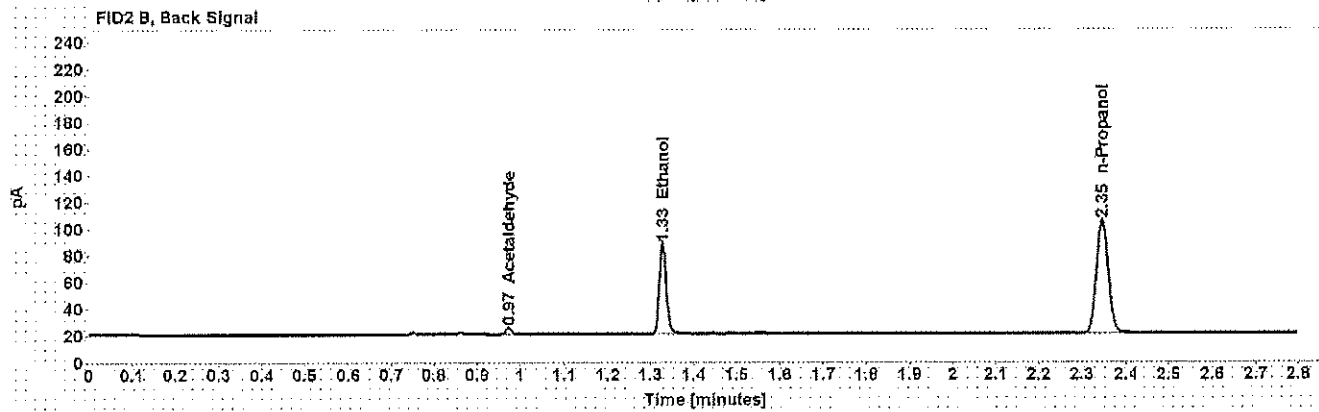
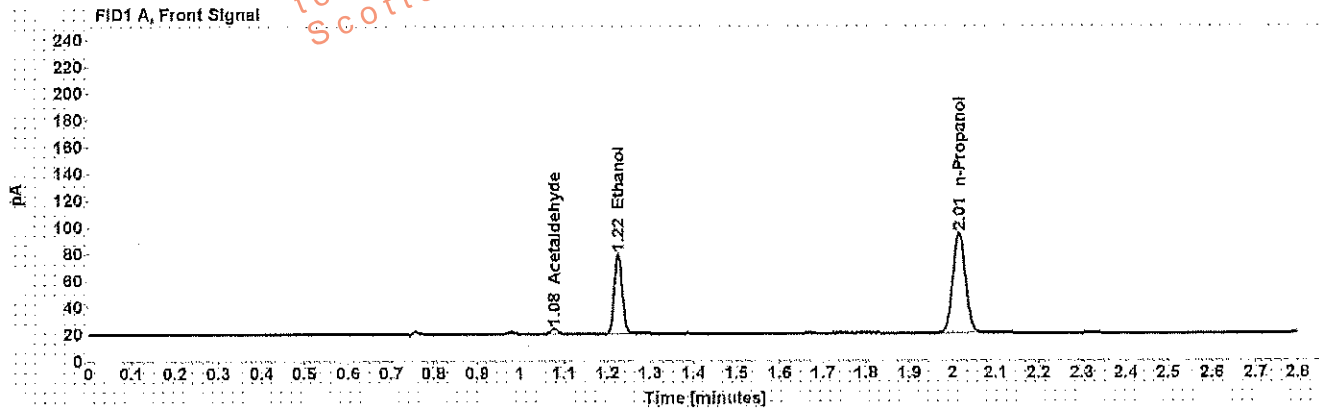


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.175
>Ethanol	0.1330	1.225	76.204
n-Propanol	-----	2.015	152.797

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.464
Ethanol	1.328	78.505
n-Propanol	2.346	157.674

## Scottsdale Police Department Crime Lab Volatiles Analysis

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Scottsdale City Prosecutor

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 312-01A
<b>Injection date:</b> 1/27/2017 2:53:24 PM	<b>Vial:</b> 15
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\27Jan17\15.D	

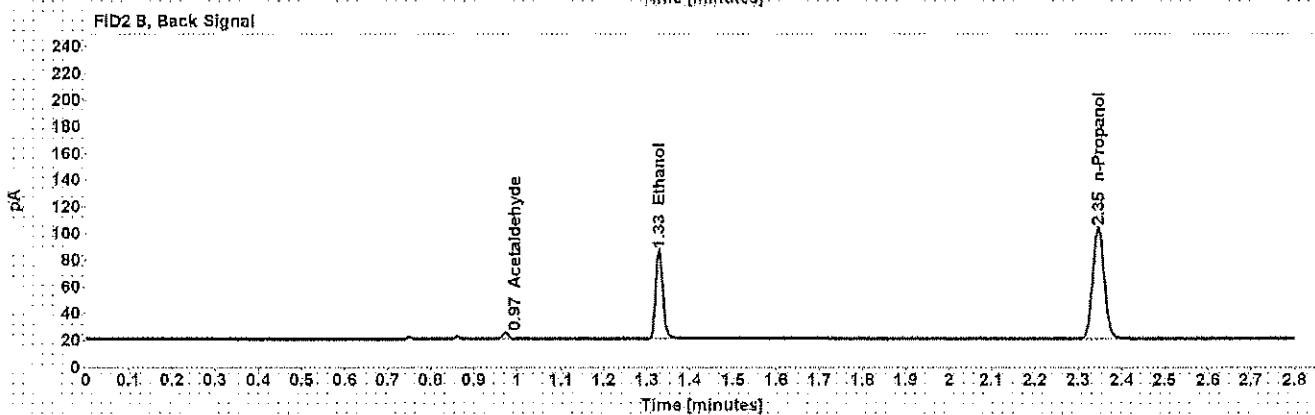
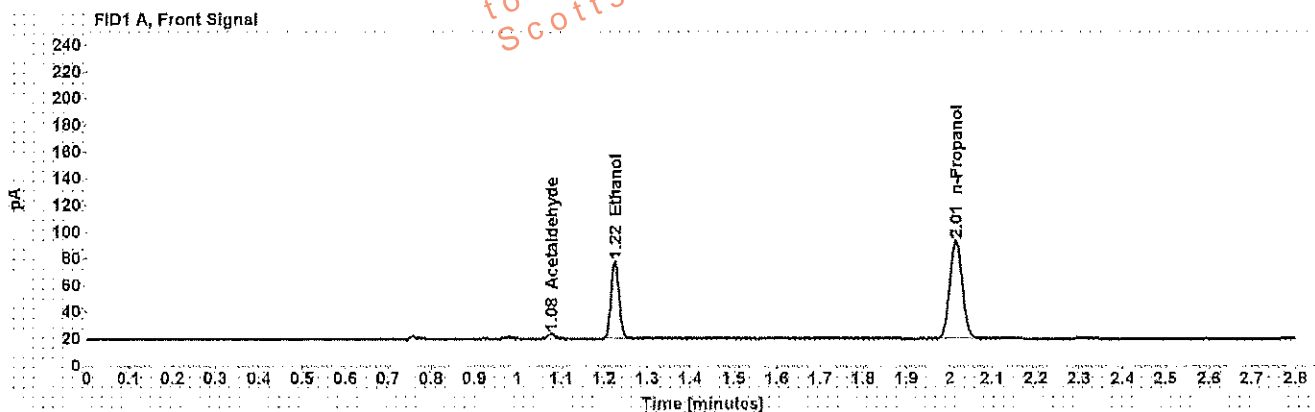


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.029
>Ethanol	0.1322	1.225	73.980
n-Propanol	-----	2.015	149.222

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.316
Ethanol	1.328	76.418
n-Propanol	2.346	153.827

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 135-01A
Injection date: 1/27/2017 2:57:24 PM	Vial: 16
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Jan17\16.D	

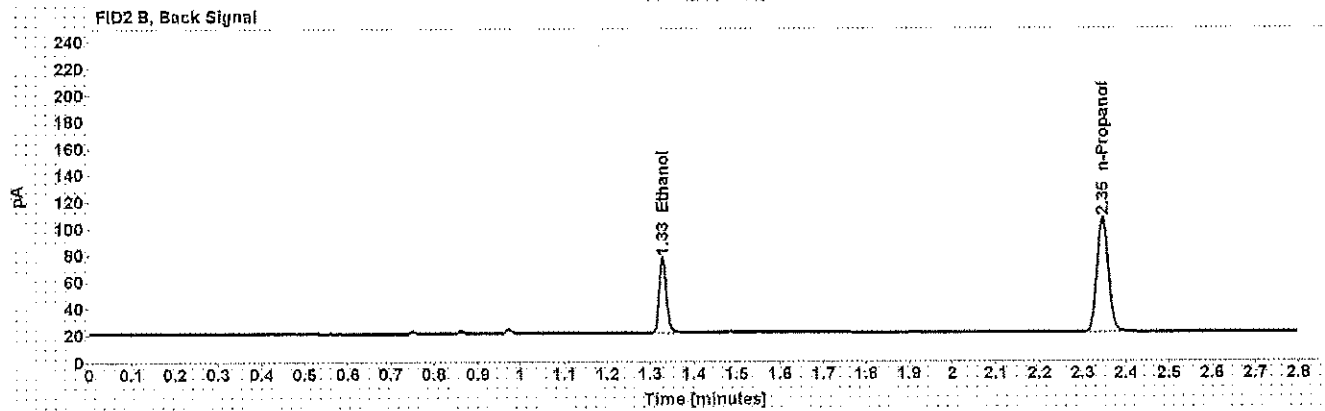
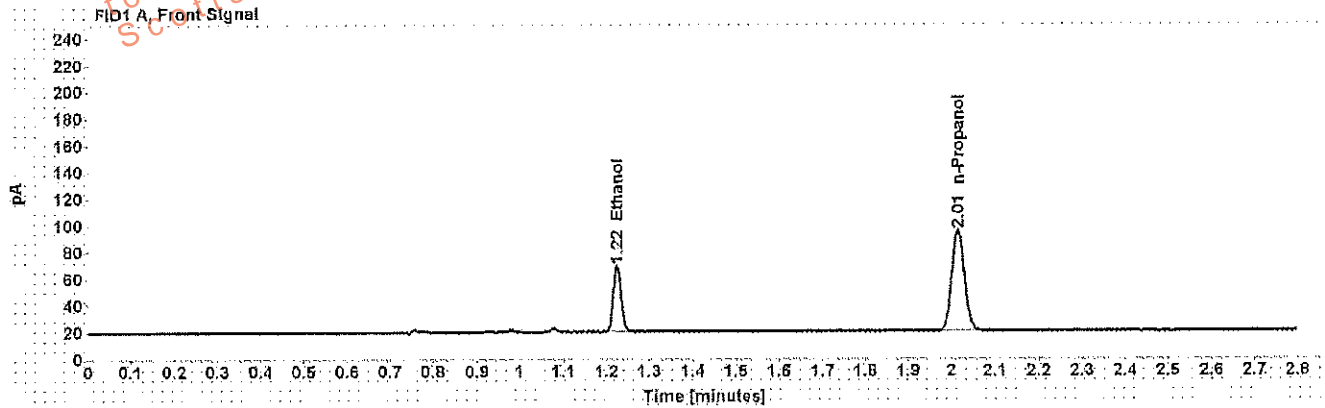


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1099	1.225	63.010
n-Propanol	-----	2.015	153.611

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

Compound	Time (min)	Peak Area
Ethanol	1.328	64.957
n-Propanol	2.346	158.832

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 135-01A
Injection date: 1/27/2017 3:01:24 PM	Vial: 17
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\27Jan17\17.D	

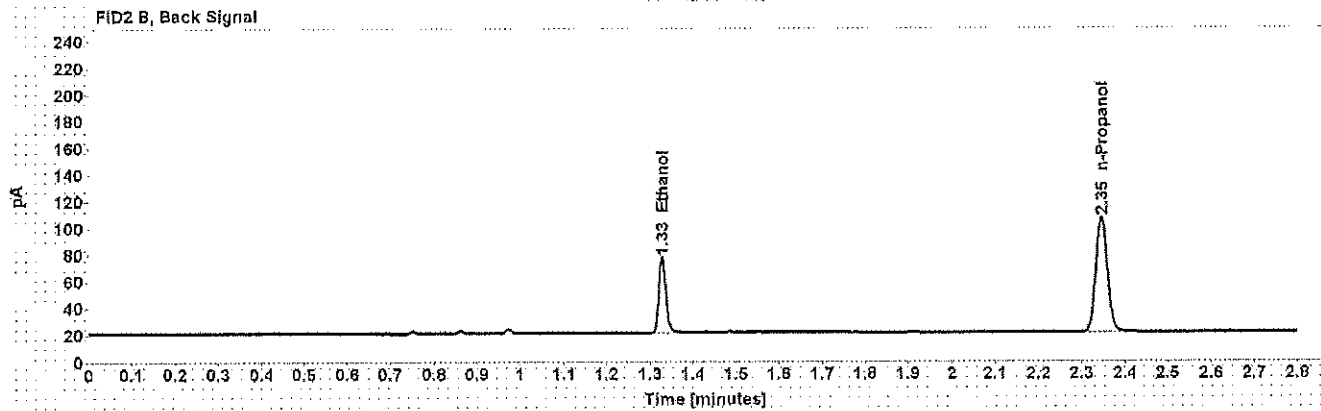
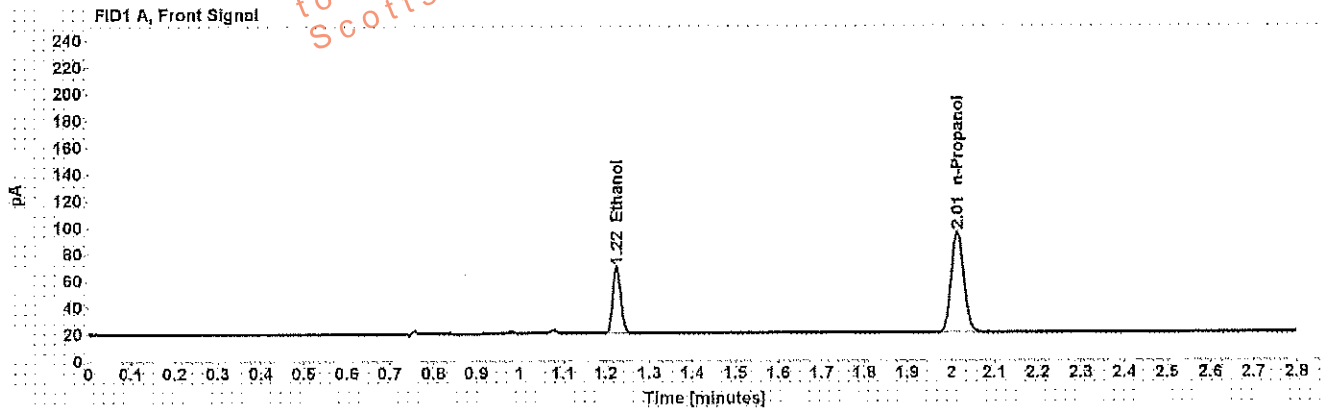


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1102	1.225	63.306
n-Propanol	-----	2.015	153.908

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

Compound	Time (min)	Peak Area
Ethanol	1.328	65.185
n-Propanol	2.346	159.063

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 72-01A
<b>Injection date:</b> 1/27/2017 3:05:24 PM	<b>Vial:</b> 18
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\27Jan17\18.D	

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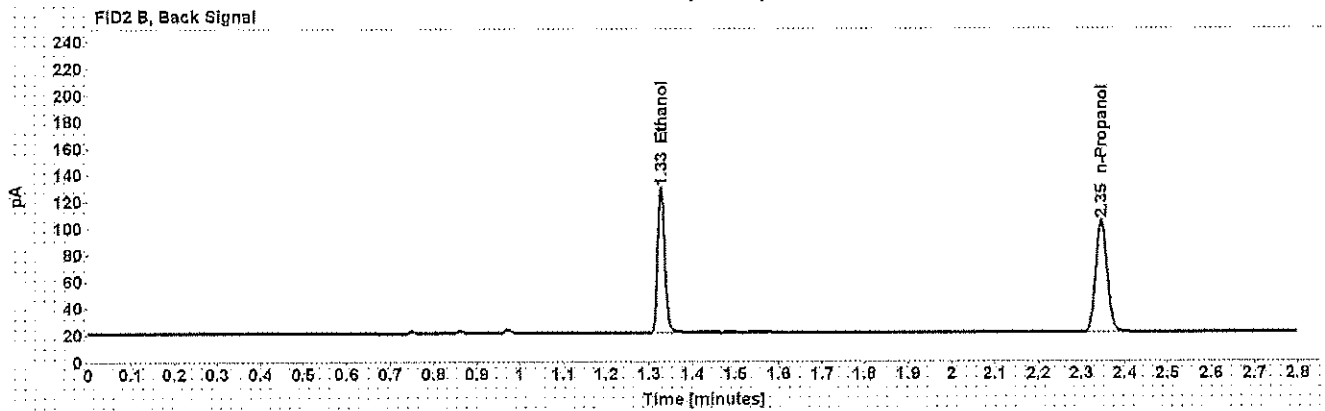
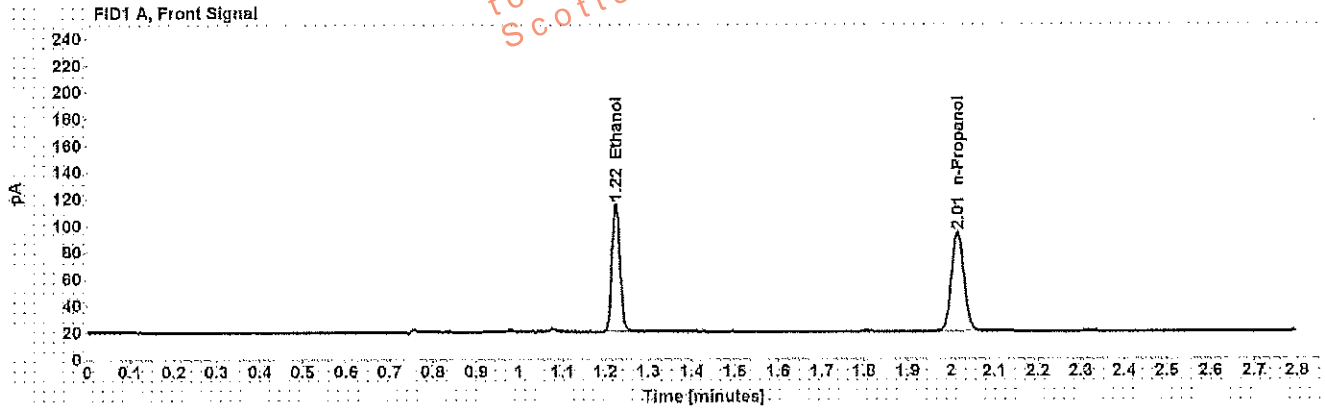


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2136	1.224	121.982
n-Propanol	-----	2.015	151.001

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

Compound	Time (min)	Peak Area
Ethanol	1.328	126.300
n-Propanol	2.346	155.875

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 72-01A
<b>Injection date:</b> 1/27/2017 3:09:39 PM	<b>Vial:</b> 19
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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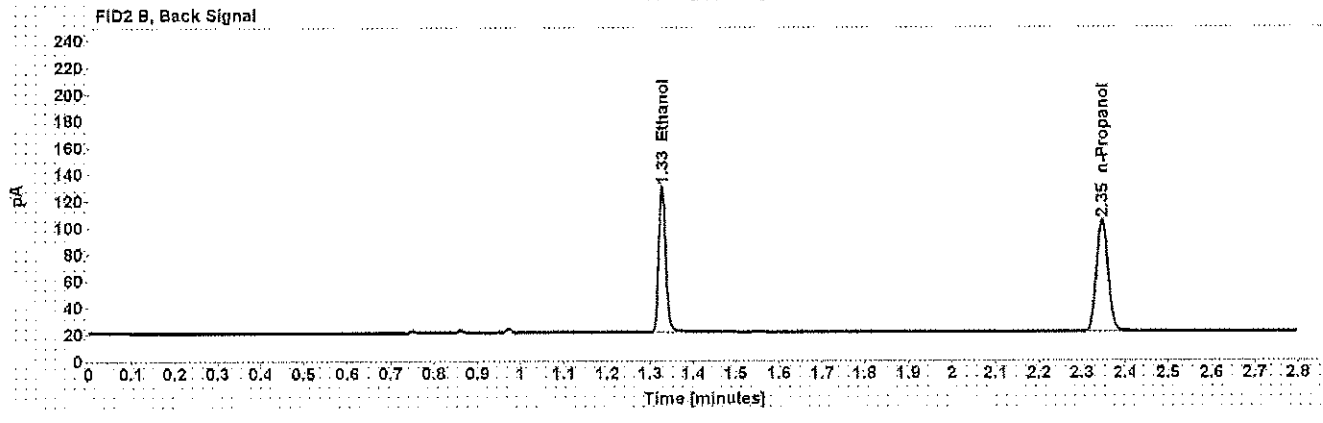
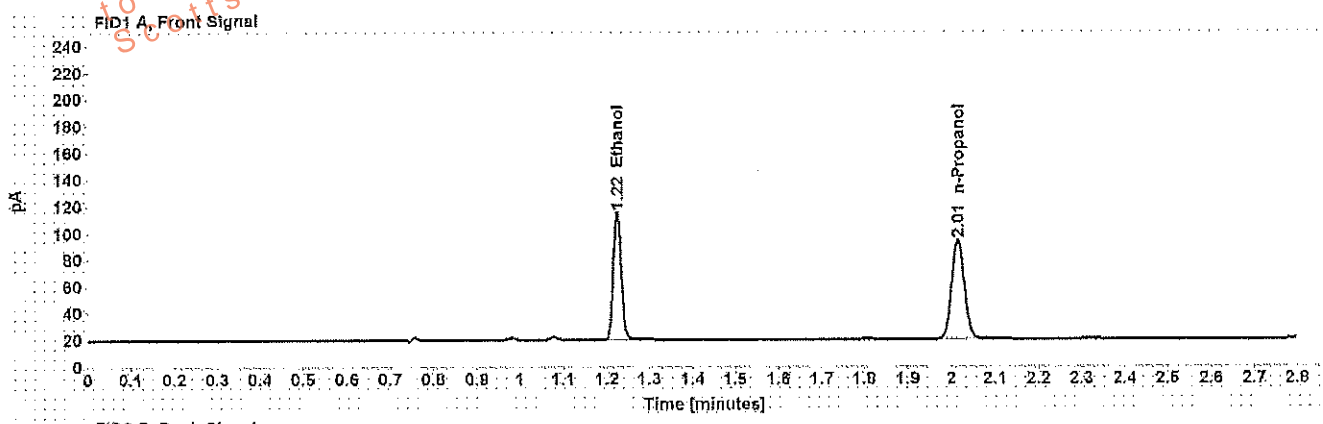


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2141	1.224	122.189
n-Propanol	-----	2.015	150.919

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

Compound	Time (min)	Peak Area
Ethanol	1.328	126.418
n-Propanol	2.346	155.815

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 125-01A
<b>Injection date:</b> 1/27/2017 3:17:39 PM	<b>Vial:</b> 21
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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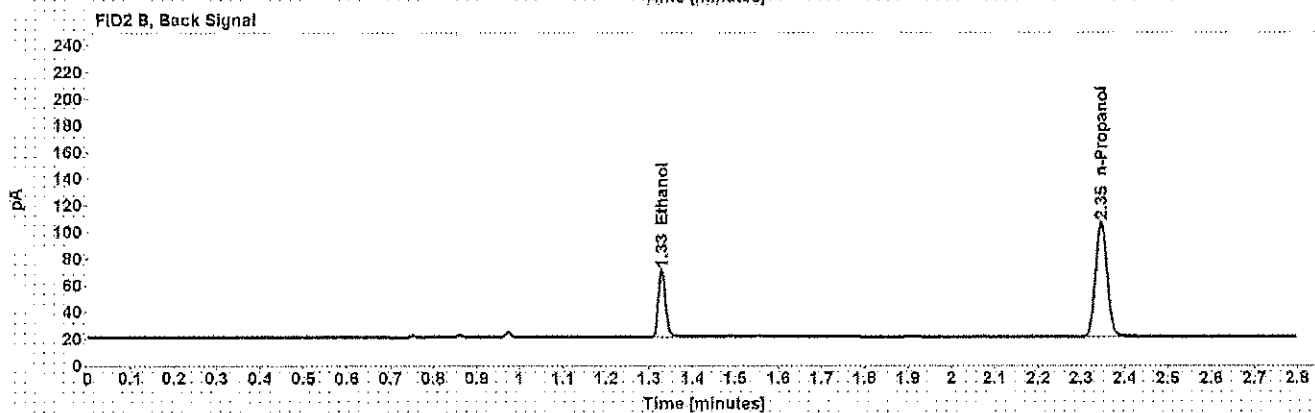
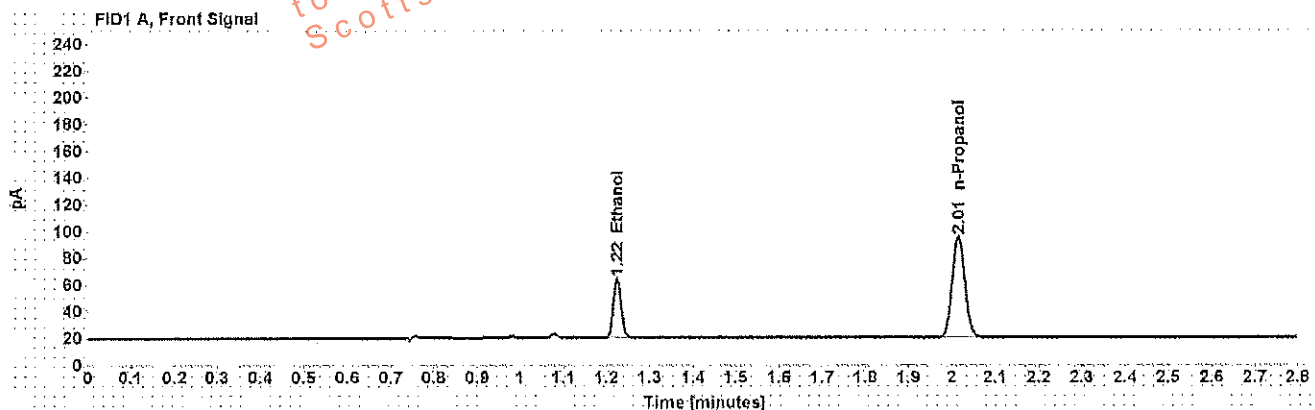


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0987	1.225	56.635
n-Propanol	-----	2.015	154.094

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

Compound	Time (min)	Peak Area
Ethanol	1.328	58.242
n-Propanol	2.346	159.291



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 125-01A
<b>Injection date:</b> 1/27/2017 3:21:39 PM	<b>Vial:</b> 22
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\27Jan17\22.D	

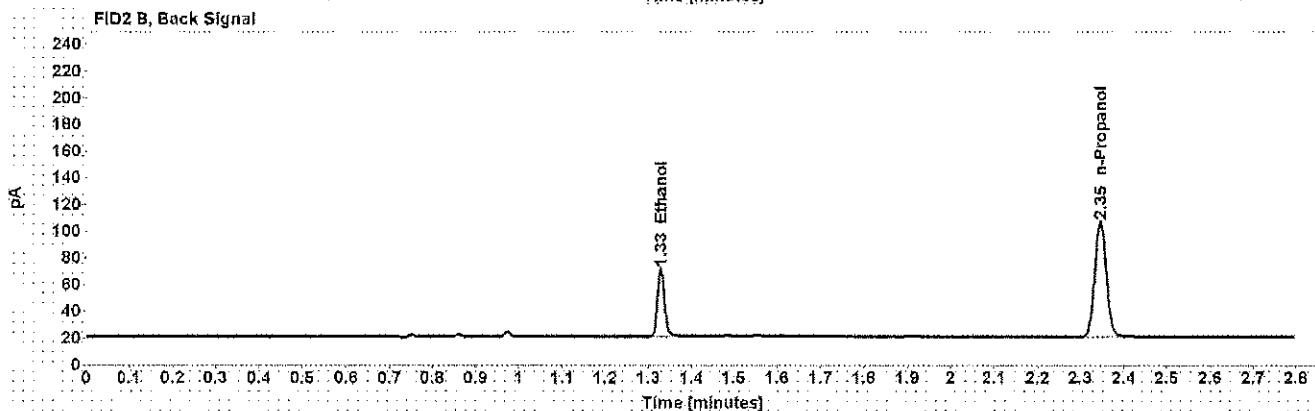
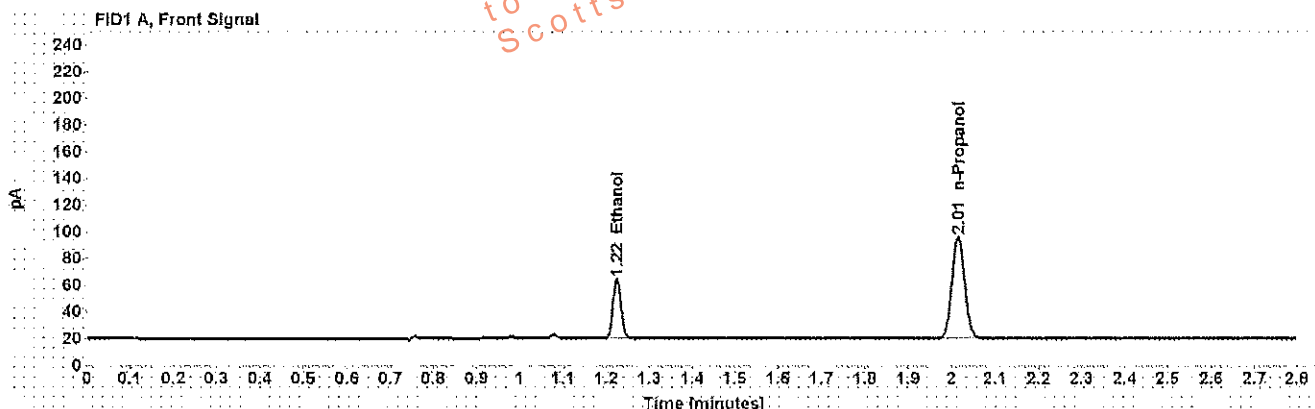


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0989	1.225	57.041
n-Propanol	-----	2.015	154.911

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

Compound	Time (min)	Peak Area
Ethanol	1.328	58.587
n-Propanol	2.346	160.123

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 72-01A
<b>Injection date:</b> 1/27/2017 3:25:39 PM	<b>Vial:</b> 23
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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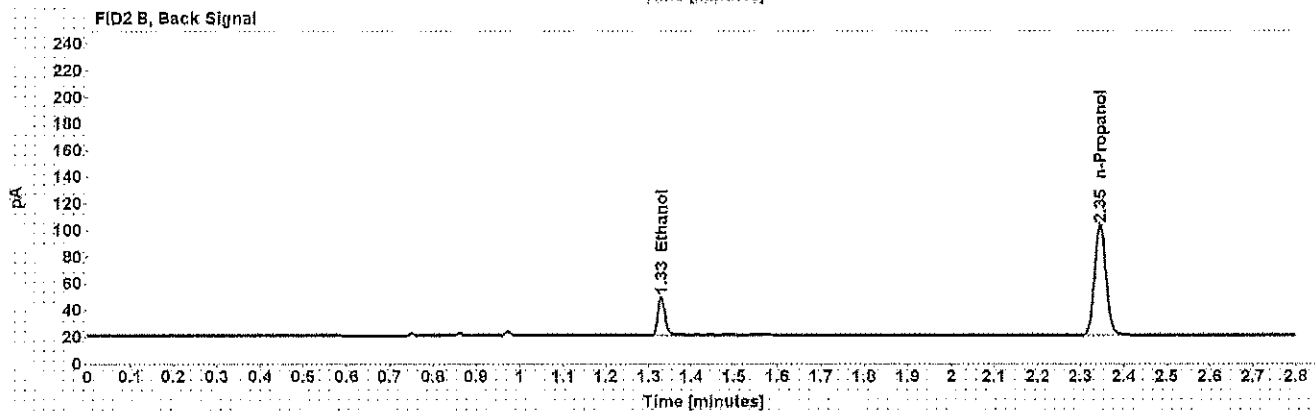
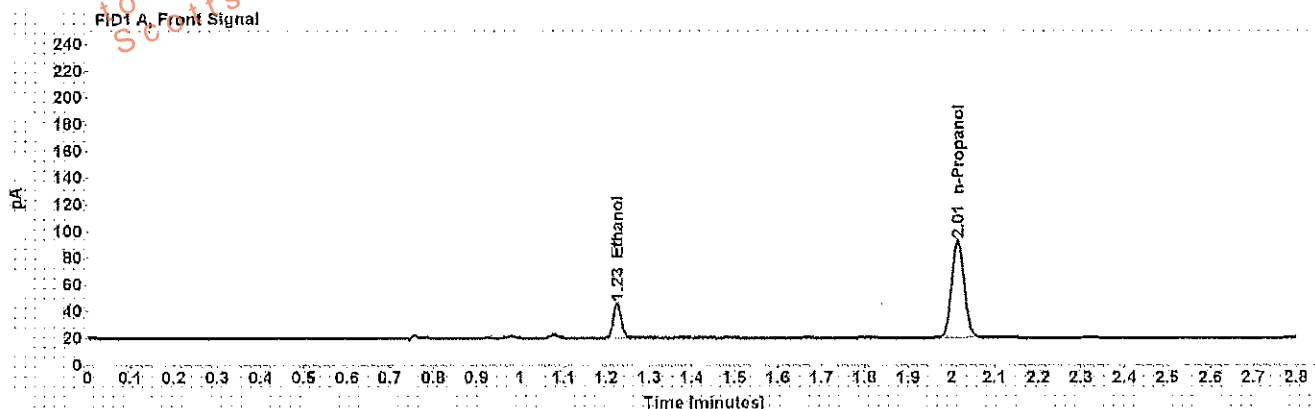


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0603	1.225	32.753
n-Propanol	-----	2.015	148.697

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

Compound	Time (min)	Peak Area
Ethanol	1.329	33.616
n-Propanol	2.345	153.491

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 72-01A
<b>Injection date:</b> 1/27/2017 3:29:39 PM	<b>Vial:</b> 24
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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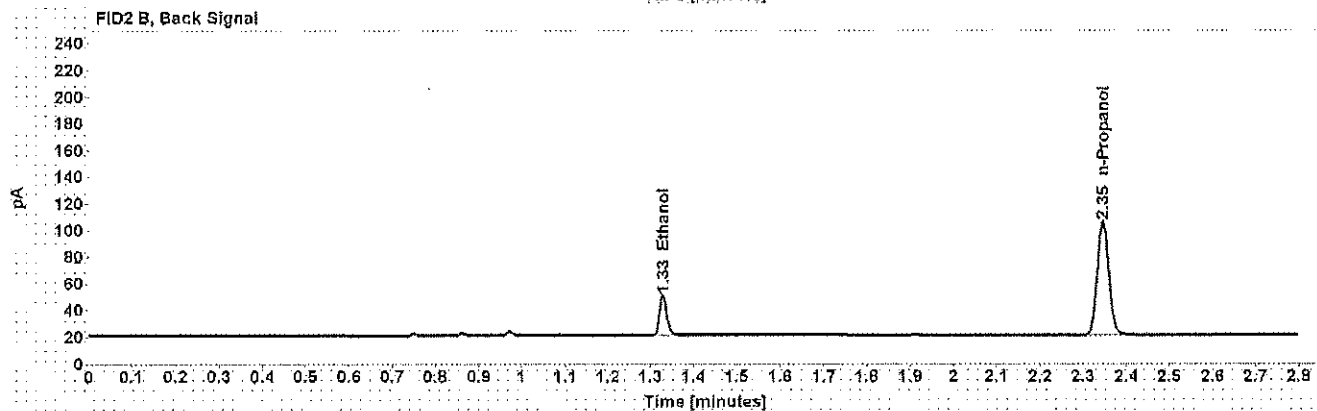
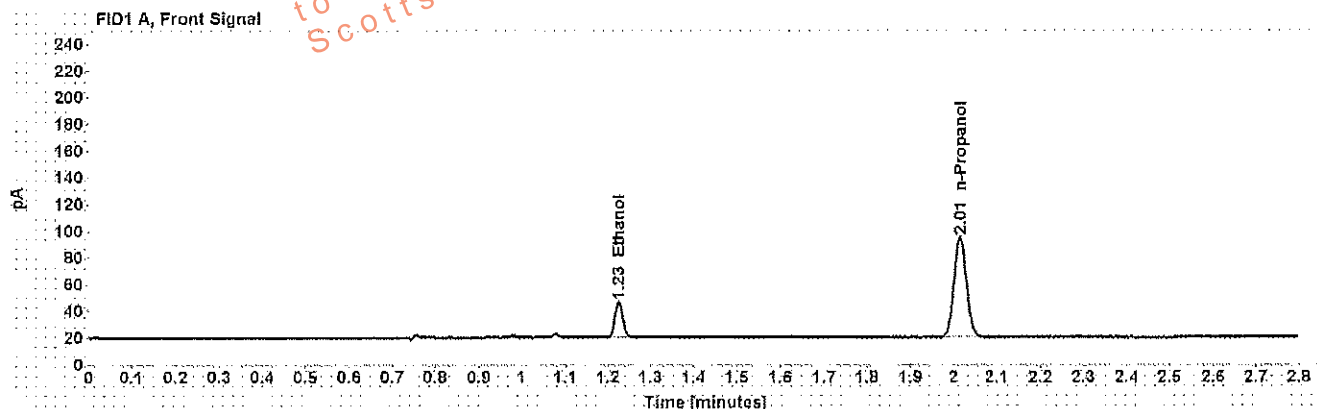


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0608	1.225	33.950
n-Propanol	-----	2.015	152.753

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

Compound	Time (min)	Peak Area
Ethanol	1.329	34.874
n-Propanol	2.346	157.634

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 169-01A
<b>Injection date:</b> 1/27/2017 3:33:54 PM	<b>Viol.:</b> 25
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\27Jan17\25.D	

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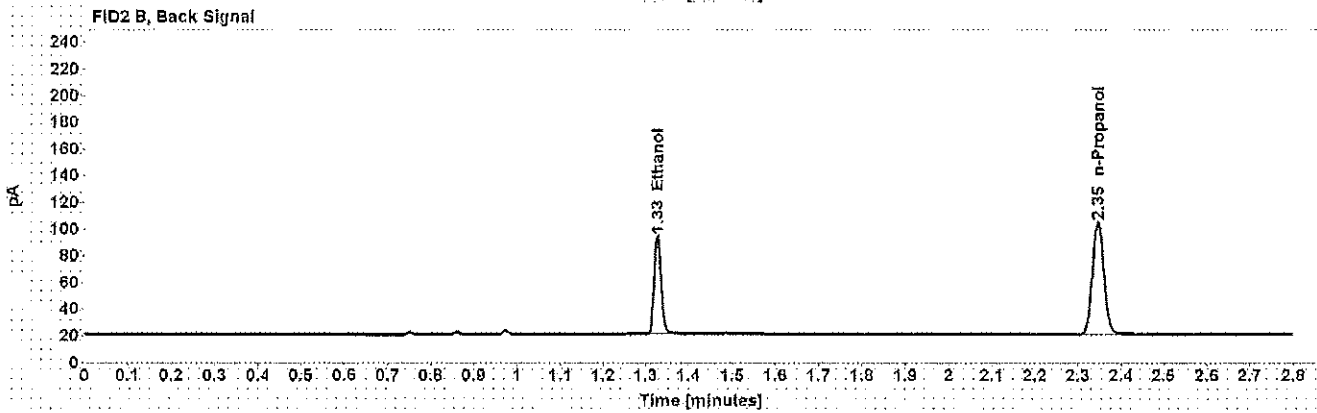
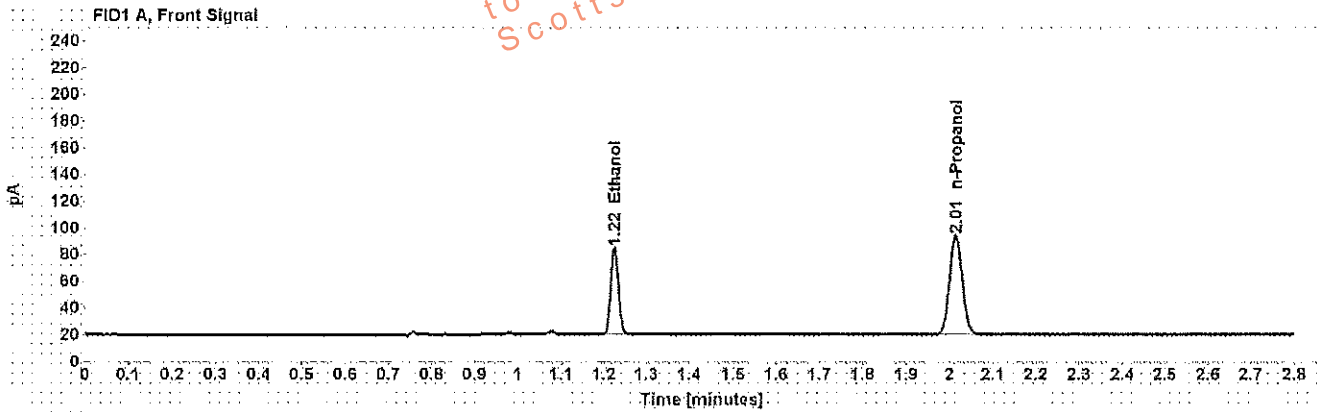


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1453	1.224	82.862
n-Propanol	-----	2.015	151.779

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

Compound	Time (min)	Peak Area
Ethanol	1.328	85.425
n-Propanol	2.346	156.608

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 169-01A
<b>Injection date:</b> 1/27/2017 3:37:54 PM	<b>Vial:</b> 26
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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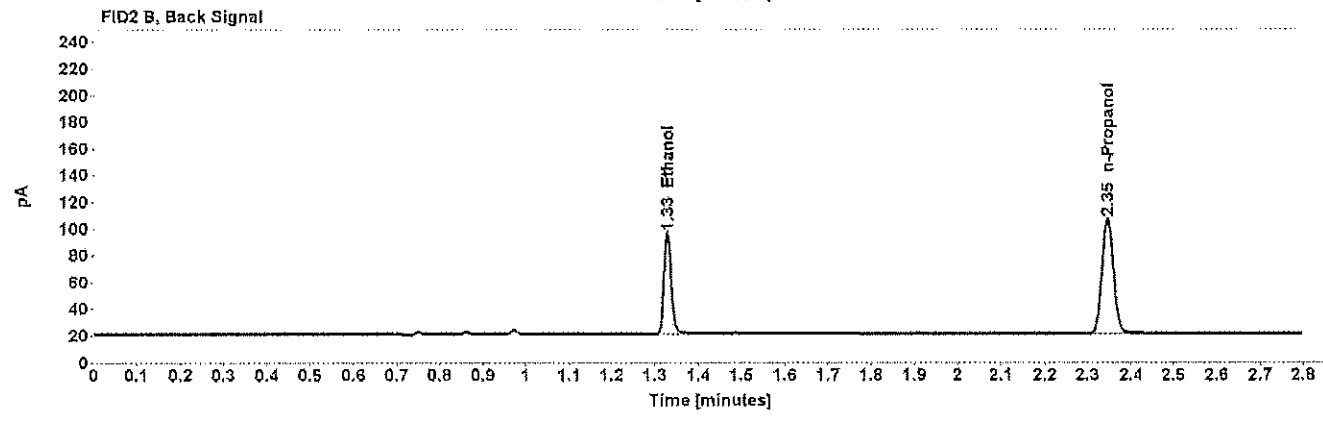
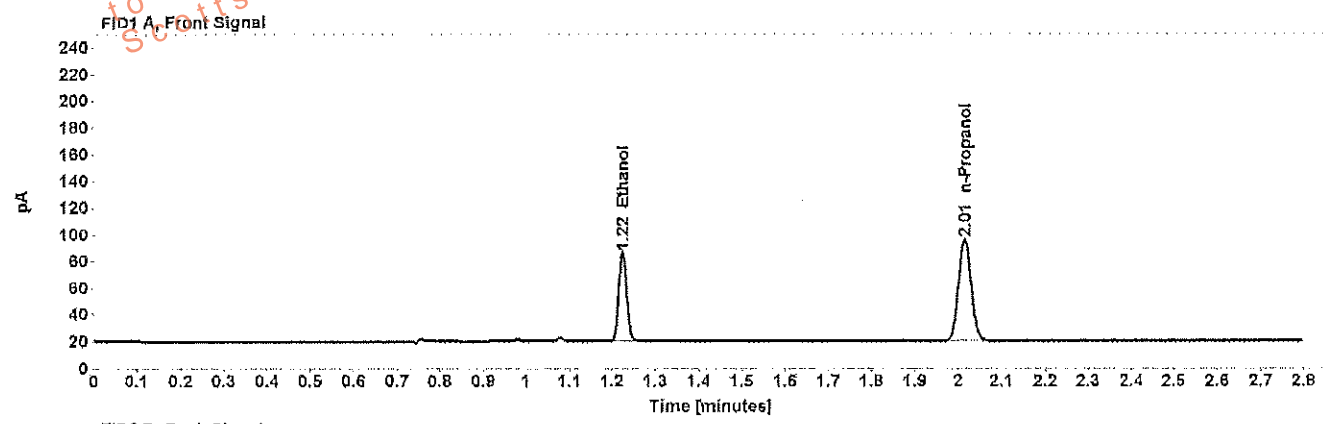


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1460	1.225	85.012
n-Propanol	-----	2.015	154.929

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

Compound	Time (min)	Peak Area
Ethanol	1.328	87.780
n-Propanol	2.346	160.083

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 125-01A
<b>Injection date:</b> 1/27/2017 3:41:54 PM	<b>Vial:</b> 27
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1>Data\27Jan17\27.D	

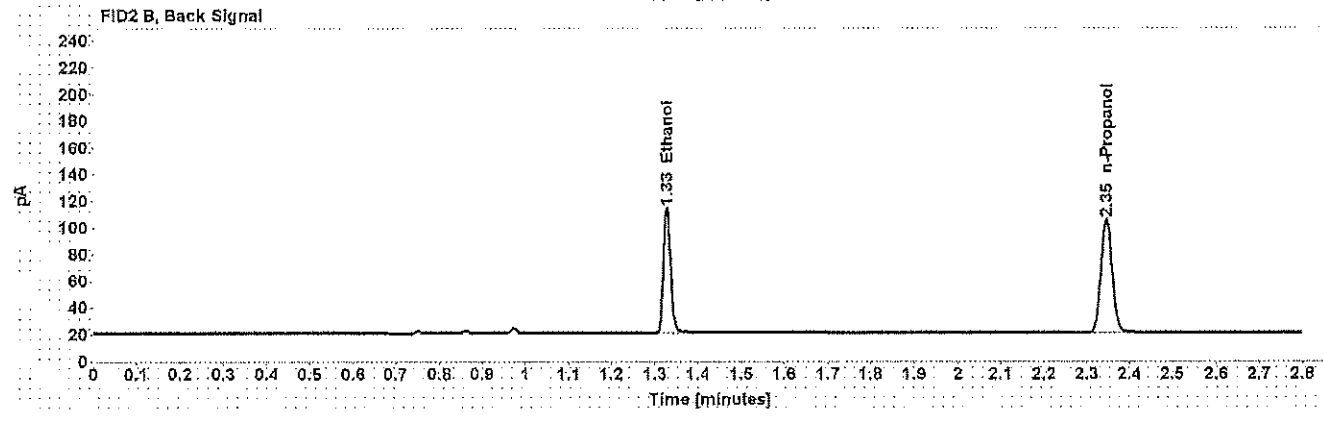
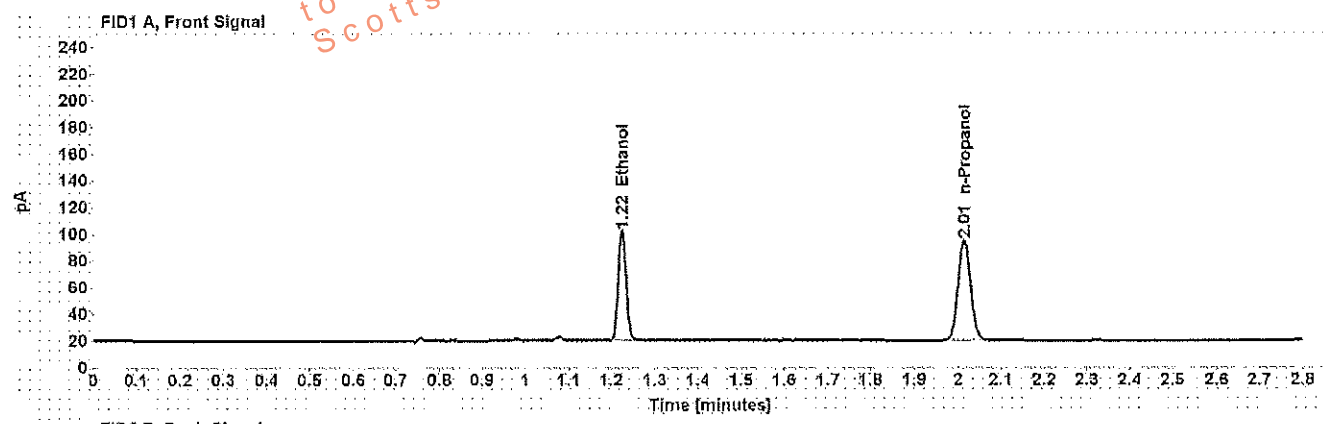


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1825	1.224	104.944
n-Propanol	-----	2.015	152.392

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

Compound	Time (min)	Peak Area
Ethanol	1.328	108.436
n-Propanol	2.346	157.295

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 125-01A
Injection date: 1/27/2017 3:45:54 PM	Vial: 28
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Jan17\28.D	

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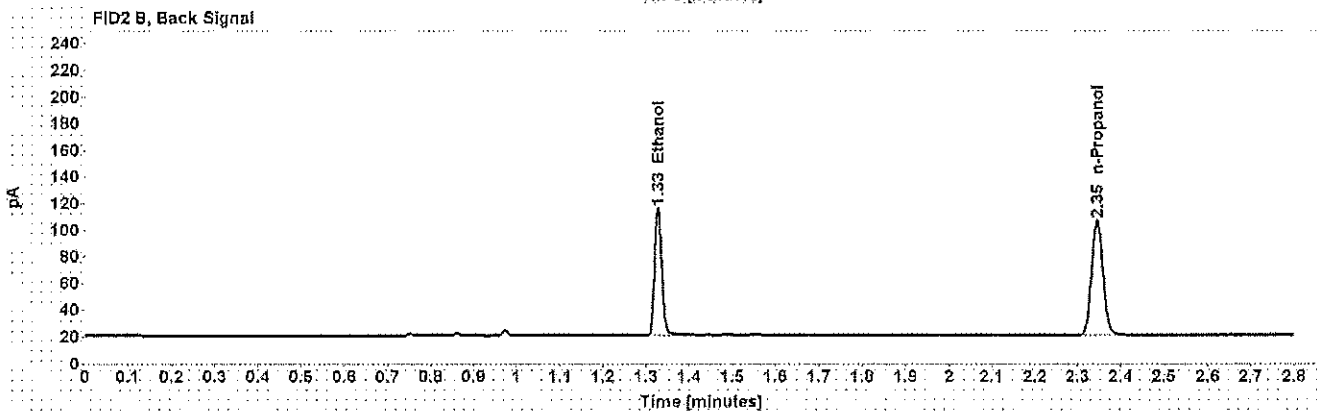
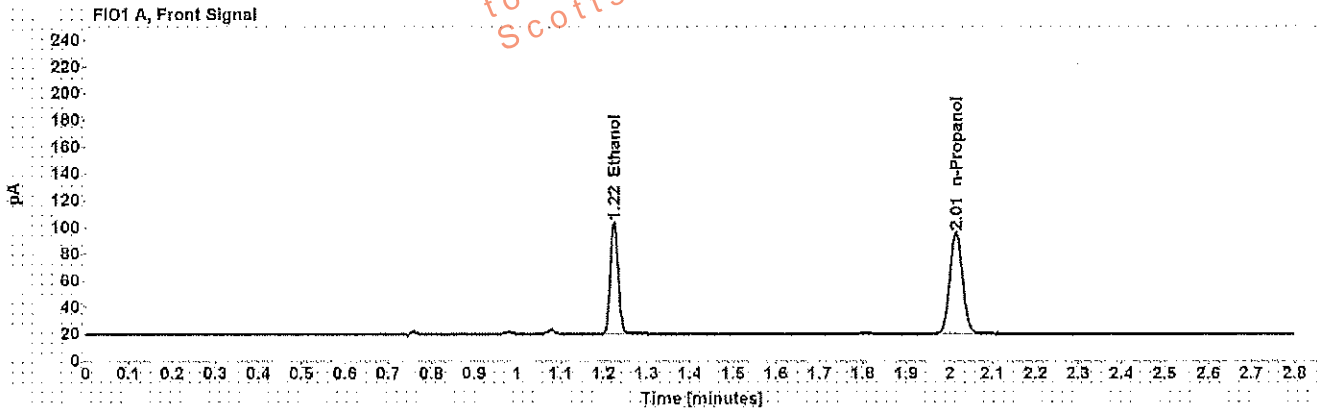


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1830	1.224	107.031
n-Propanol	-----	2.015	154.996

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

Compound	Time (min)	Peak Area
Ethanol	1.328	110.501
n-Propanol	2.345	159.862

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 78-01A
Injection date: 1/27/2017 3:49:54 PM	Vial: 29
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\27Jan17\29.D	

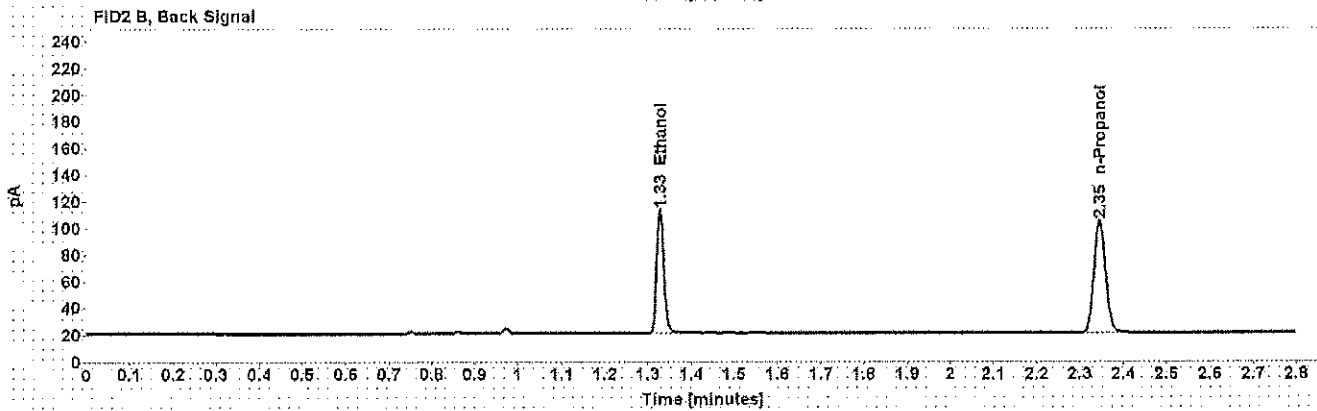
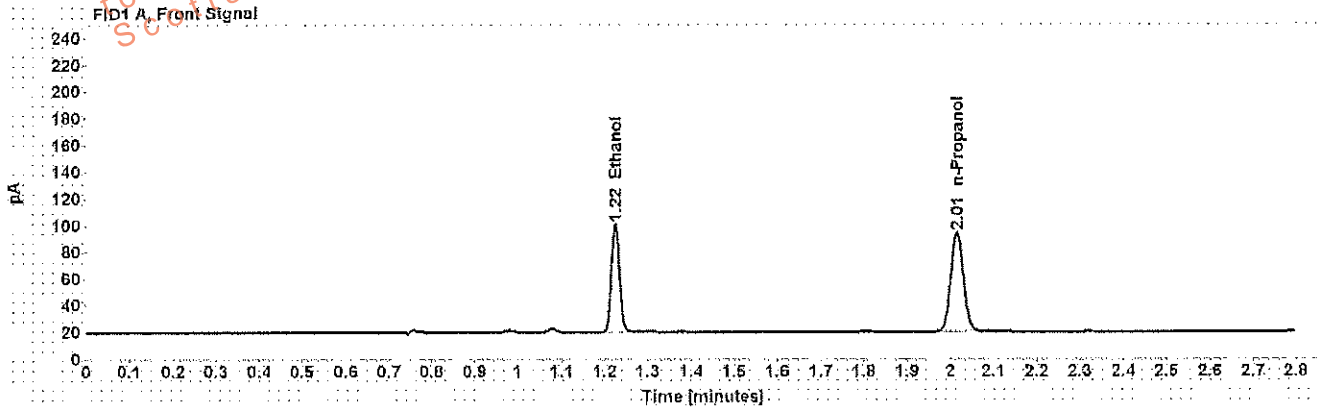


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1814	1.224	103.619
n-Propanol	-----	2.015	151.406

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

Compound	Time (min)	Peak Area
Ethanol	1.328	106.943
n-Propanol	2.345	156.278



## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 78-01A
<b>Injection date:</b> 1/27/2017 3:53:54 PM	<b>Vial:</b> 30
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\27Jan17\30.D	

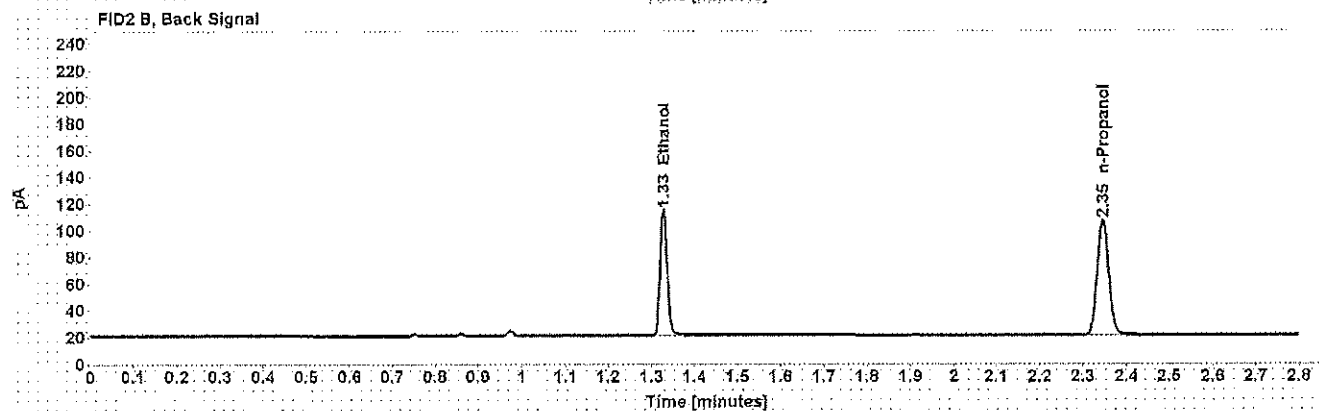
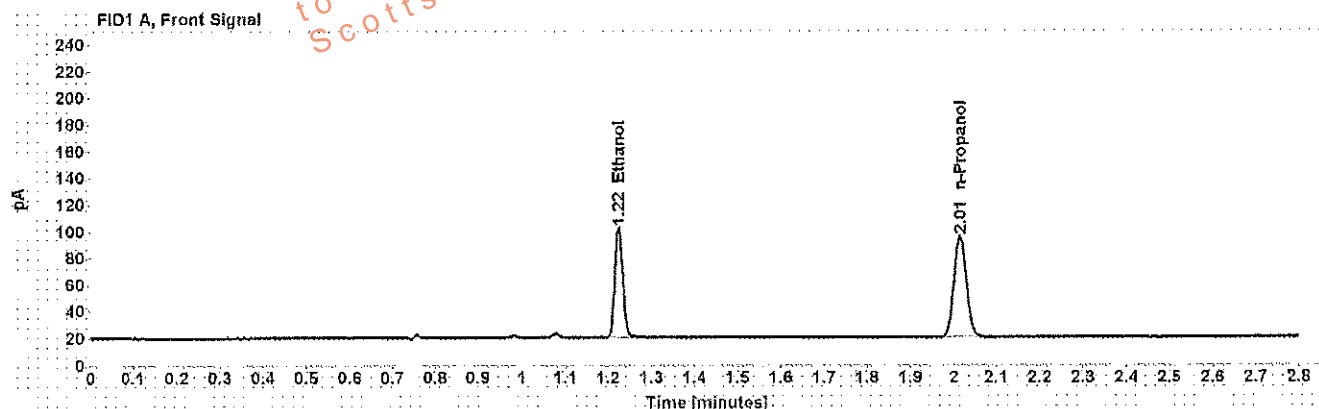


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1804	1.224	105.306
n-Propanol	-----	2.015	154.723

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

Compound	Time (min)	Peak Area
Ethanol	1.327	108.651
n-Propanol	2.345	159.684

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 176-01A
Injection date: 1/27/2017 4:02:09 PM	Vial: 32
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Jan17\32.D	

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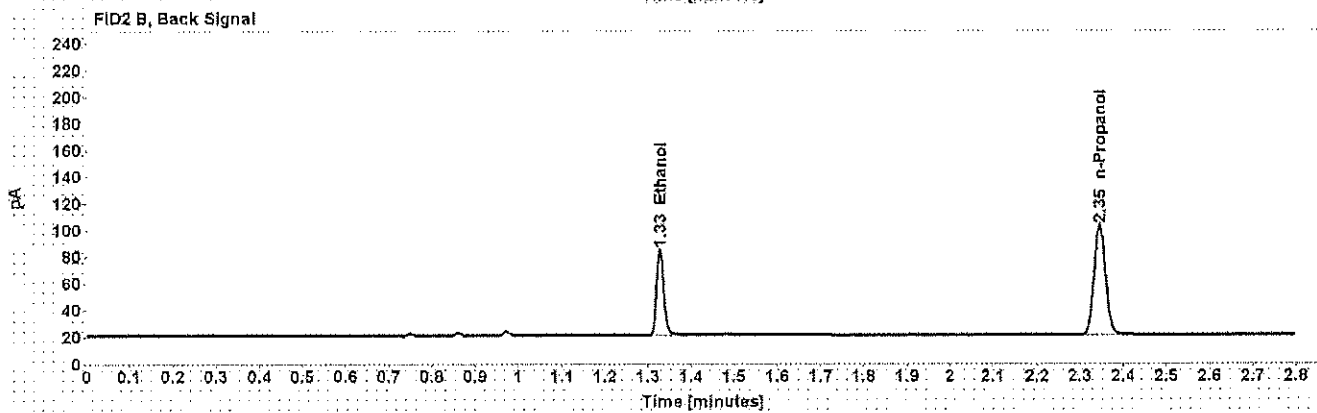
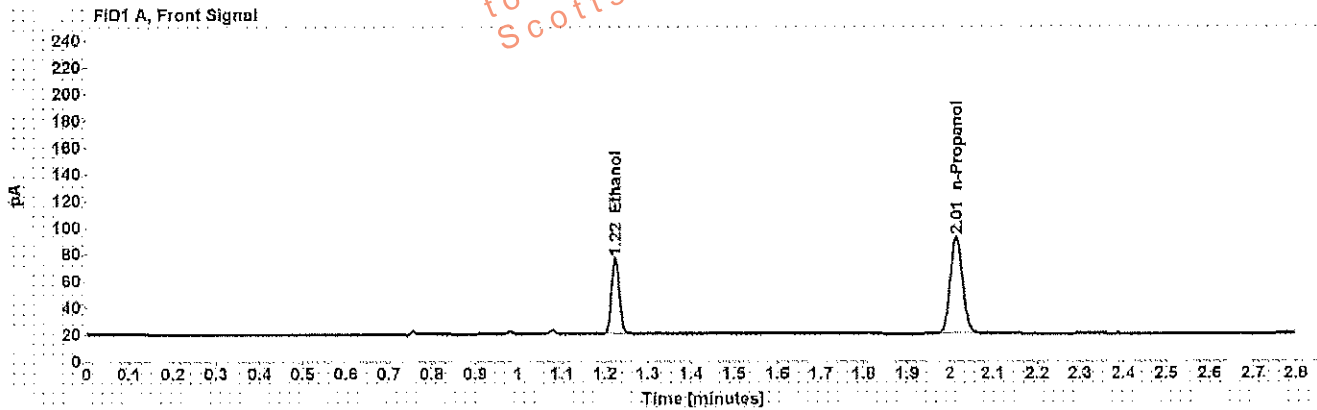


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1304	1.224	72.234
n-Propanol	-----	2.015	147.699

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

Compound	Time (min)	Peak Area
Ethanol	1.328	74.478
n-Propanol	2.345	152.450

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 176-01A
<b>Injection date:</b> 1/27/2017 4:06:09 PM	<b>Vial:</b> 33
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11Data\27Jan17\33.D	

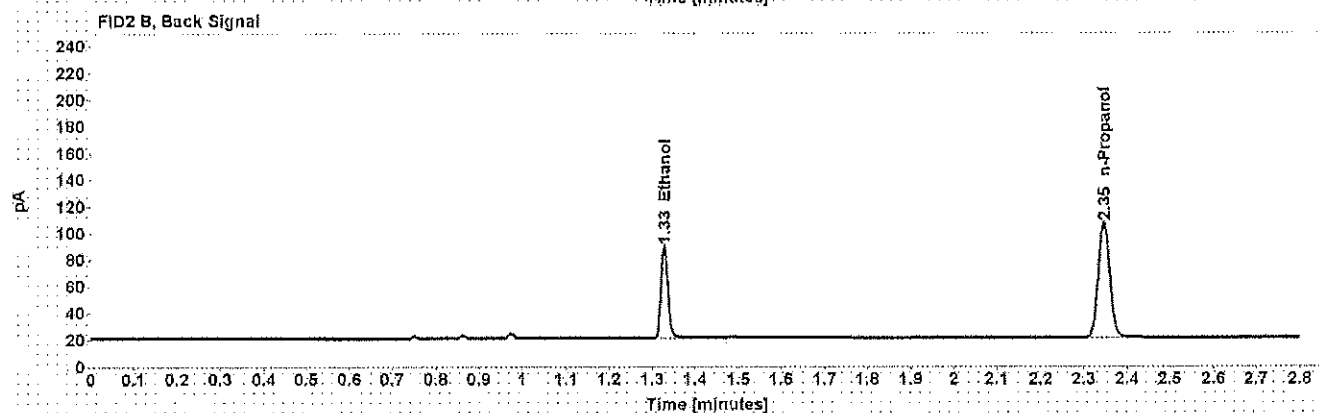
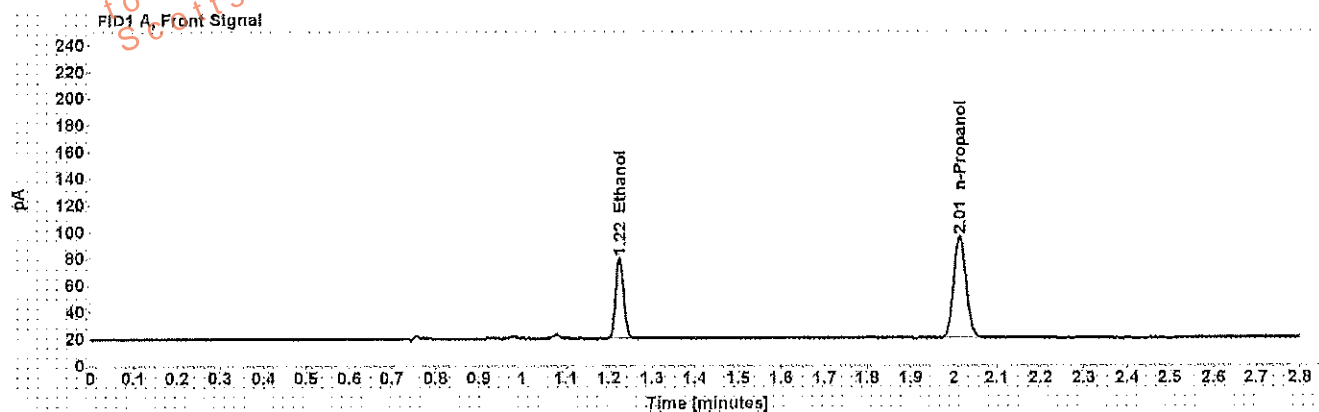


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1329	1.225	77.130
n-Propanol	-----	2.015	154.703

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

Compound	Time (min)	Peak Area
Ethanol	1.328	79.649
n-Propanol	2.346	159.953

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 310-01A
<b>Injection date:</b> 1/27/2017 4:10:09 PM	<b>Vial:</b> 34
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\27Jan17\34.D	

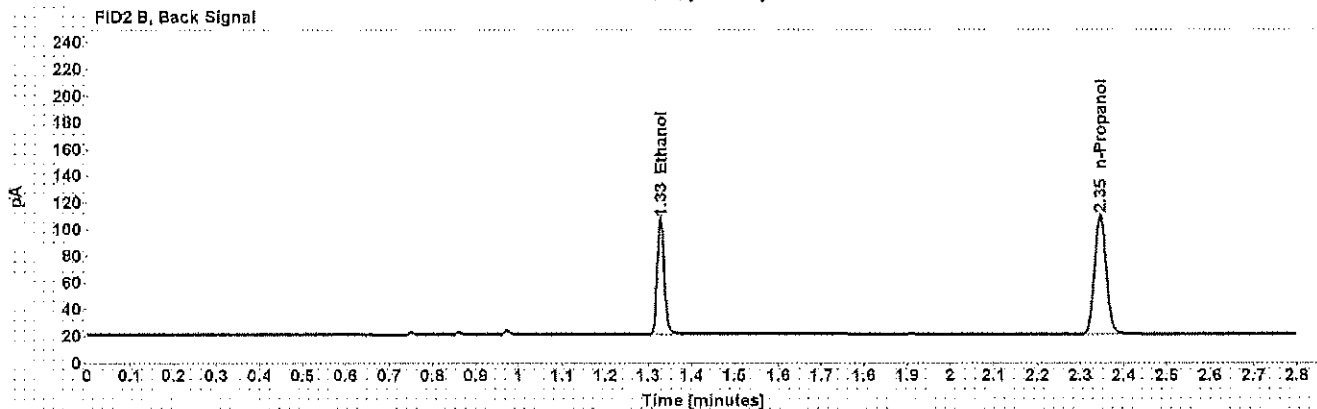
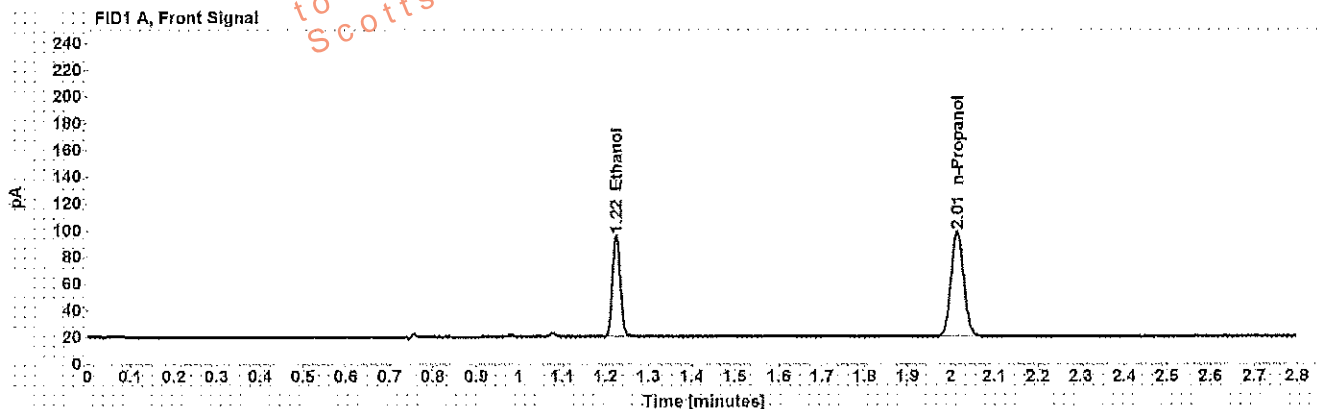


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1607	1.224	97.188
n-Propanol	-----	2.015	160.644

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

Compound	Time (min)	Peak Area
Ethanol	1.328	100.632
n-Propanol	2.346	165.902

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 3110-01A
Injection date: 1/27/2017 4:14:09 PM	Vial: 35
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\27Jan17\35.D	

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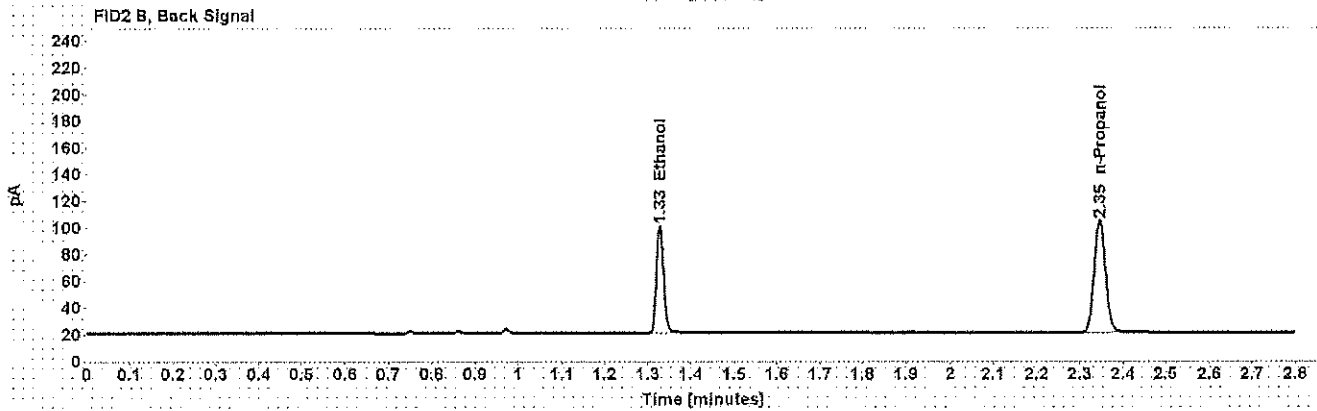
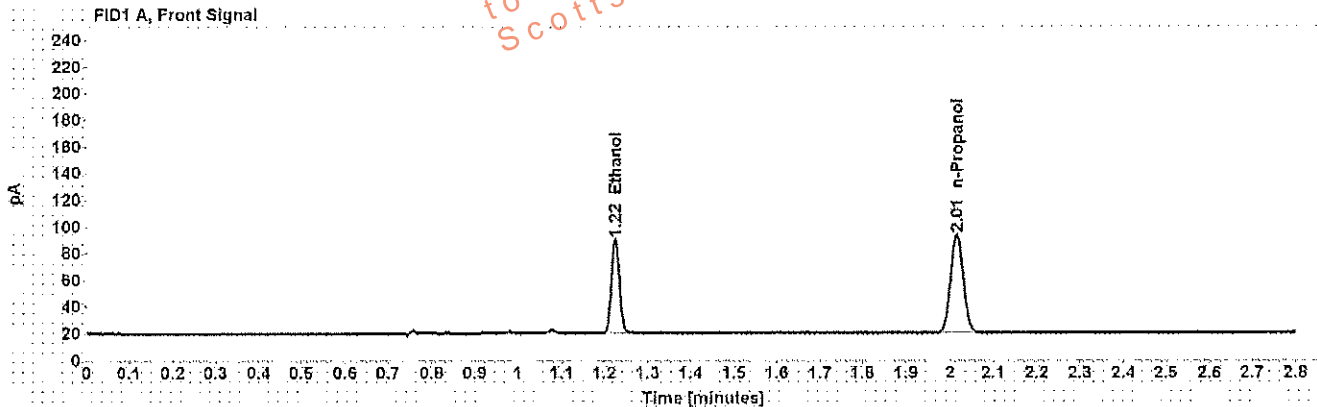


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1591	1.224	89.992
n-Propanol	-----	2.015	150.303

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

Compound	Time (min)	Peak Area
Ethanol	1.328	92.896
n-Propanol	2.346	155.126

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 125-01A
Injection date: 1/27/2017 4:18:09 PM	Vial: 36
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\27Jan17\36.D	

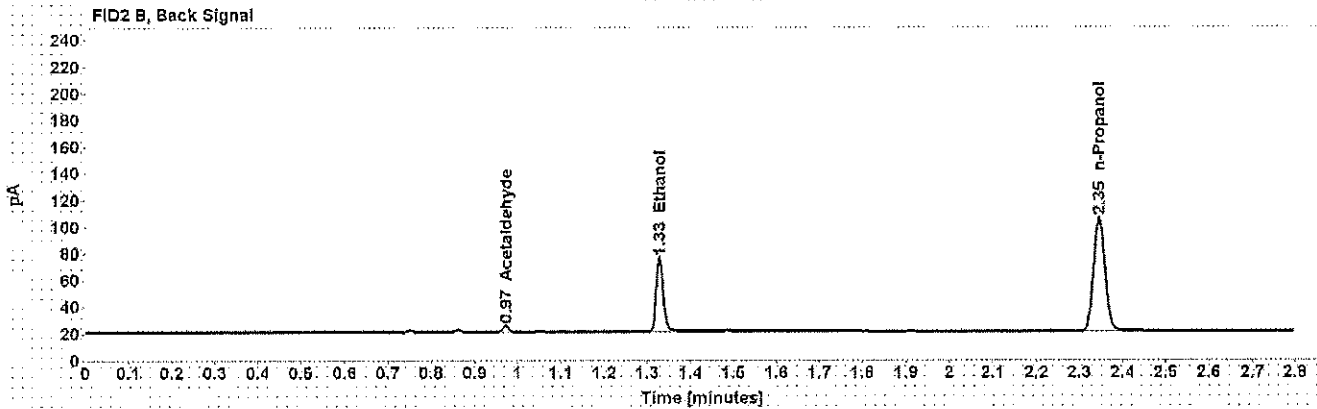
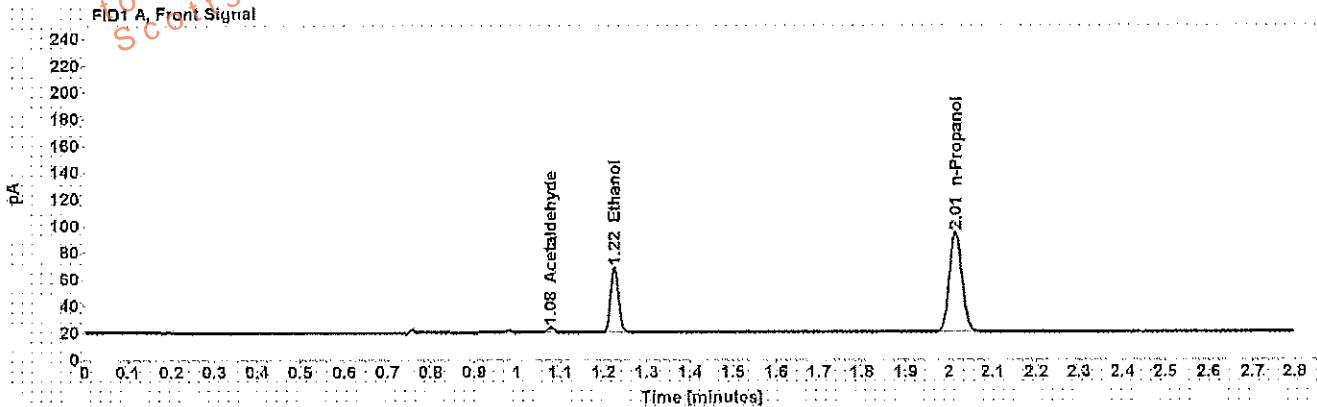


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.006
>Ethanol	0.1089	1.225	62.024
n-Propanol	-----	2.015	152.624

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.314
Ethanol	1.328	63.795
n-Propanol	2.346	157.742

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 125-01A
<b>Injection date:</b> 1/27/2017 4:22:24 PM	<b>Vial:</b> 37
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\27Jan17\37.D	

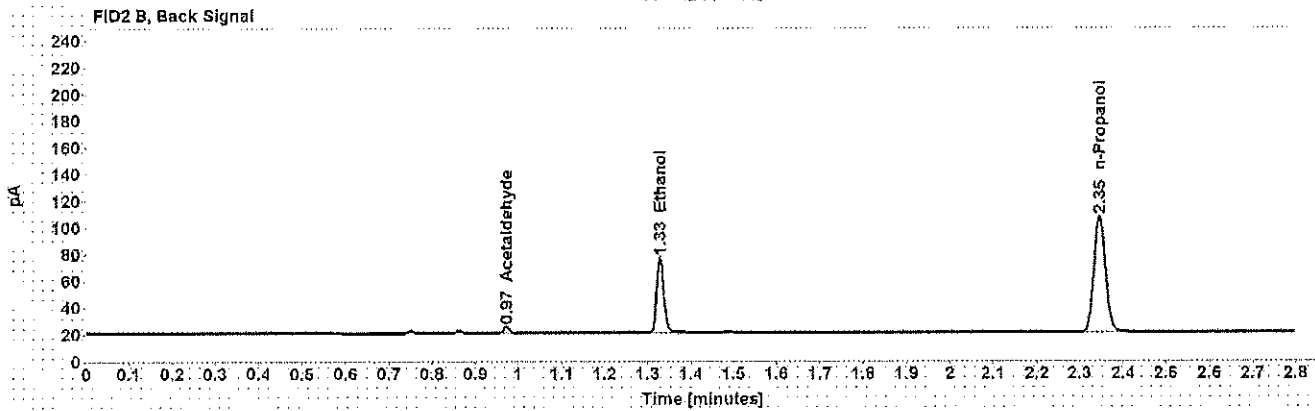
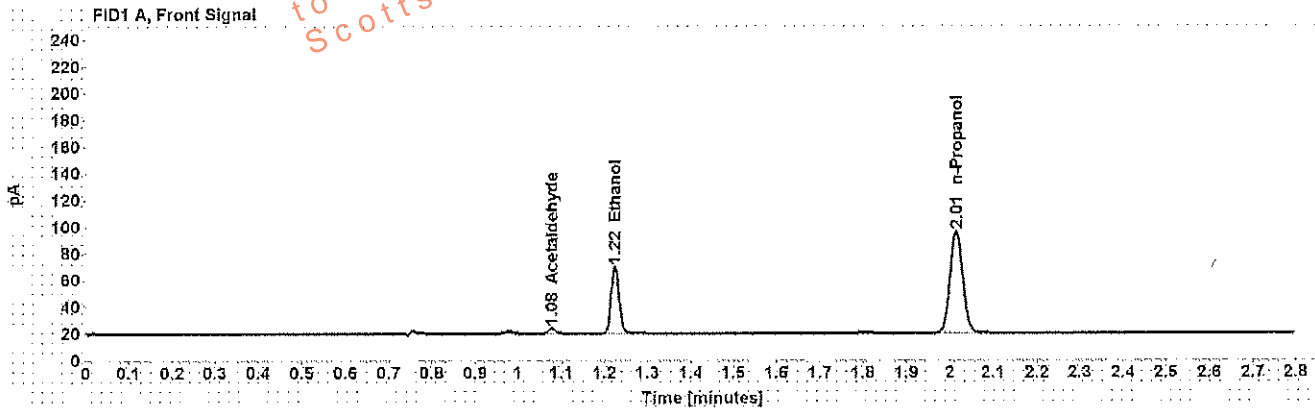


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.068
>Ethanol	0.1093	1.225	63.550
n-Propanol	-----	2.015	155.827

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.380
Ethanol	1.328	65.451
n-Propanol	2.345	160.951

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1068260
Injection date: 1/27/2017 4:26:24 PM	Vial: 38
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Jan17\38.D	

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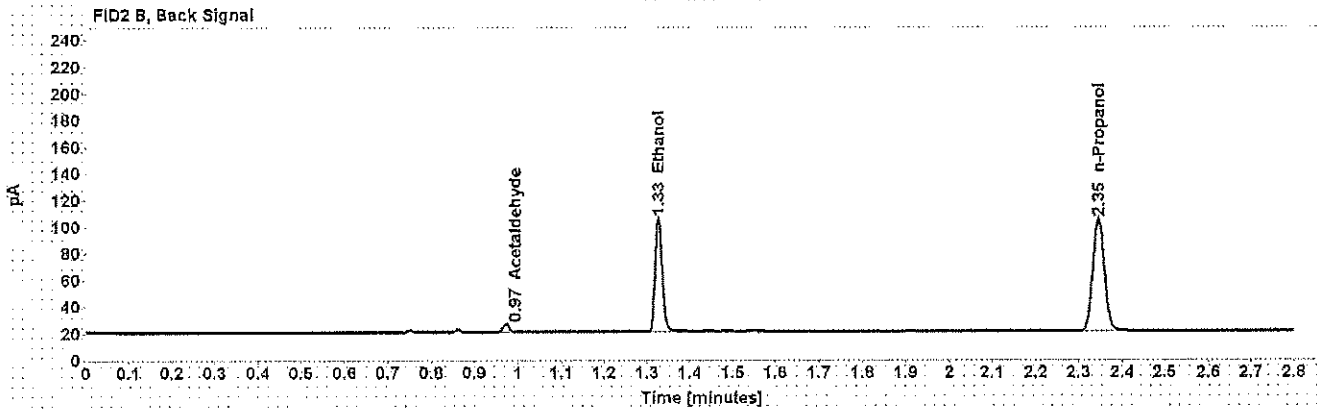
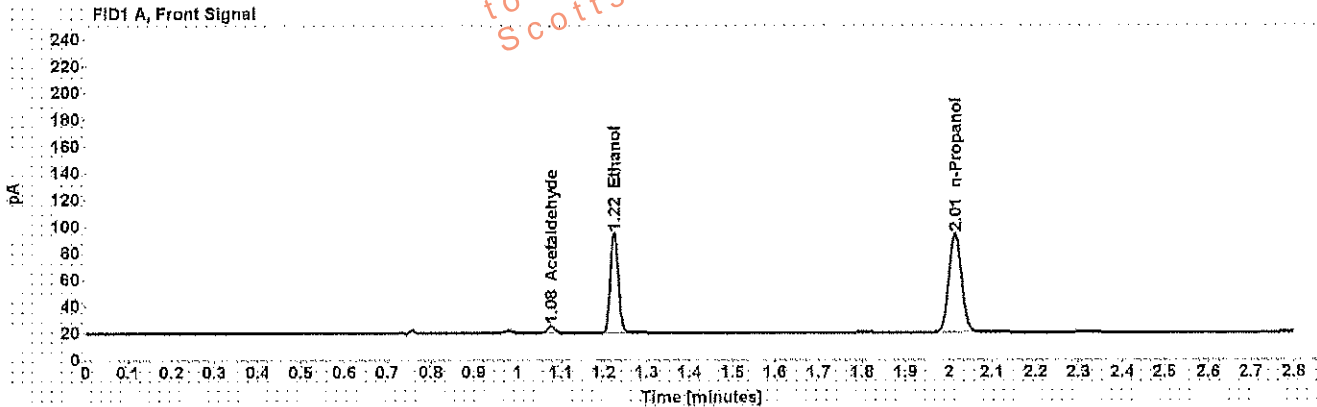


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.433
>Ethanol	0.1681	1.224	95.646
n-Propanol	-----	2.014	150.997

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	5.749
Ethanol	1.327	98.943
n-Propanol	2.345	156.341



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1068260
Injection date: 1/27/2017 4:30:24 PM	Vial: 39
Method: ethanol quant.M	Sequence: 27Jan17
Instrument: US14173023 ON14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\27Jan17\39.D	

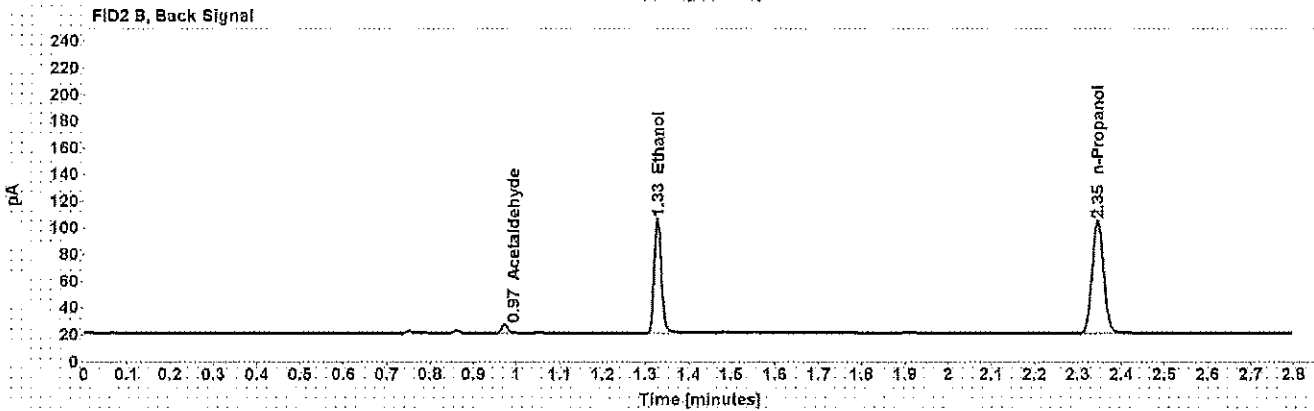
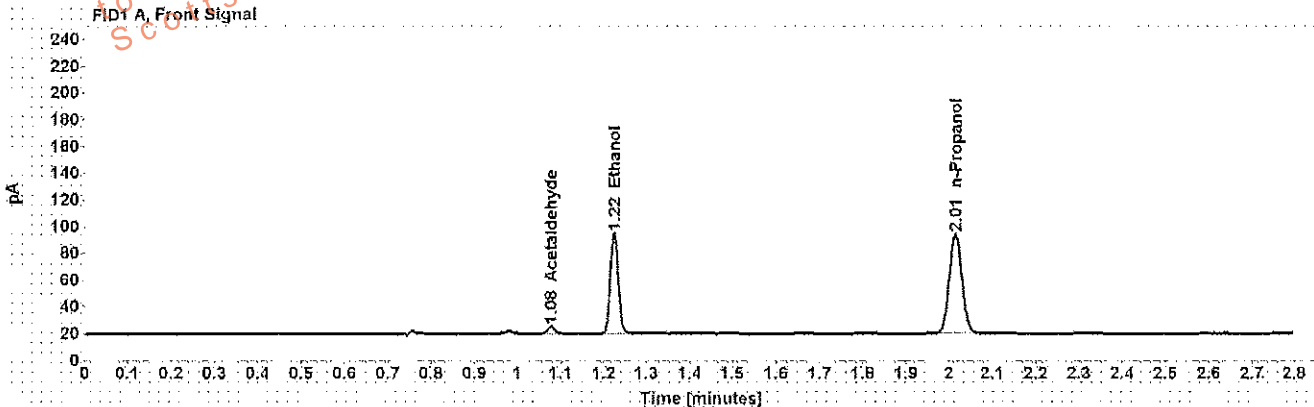


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.370
>Ethanol	0.1688	1.224	96.149
n-Propanol	-----	2.015	151.170

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	5.740
Ethanol	1.328	99.488
n-Propanol	2.345	156.569

Case: [REDACTED] User: wadrian 1/30/2017

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1097598
Injection date:	1/27/2017 4:34:24 PM	Vial:	40
Method:	ethanol quant.M	Sequence:	27Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1>Data\27Jan17\40.D		

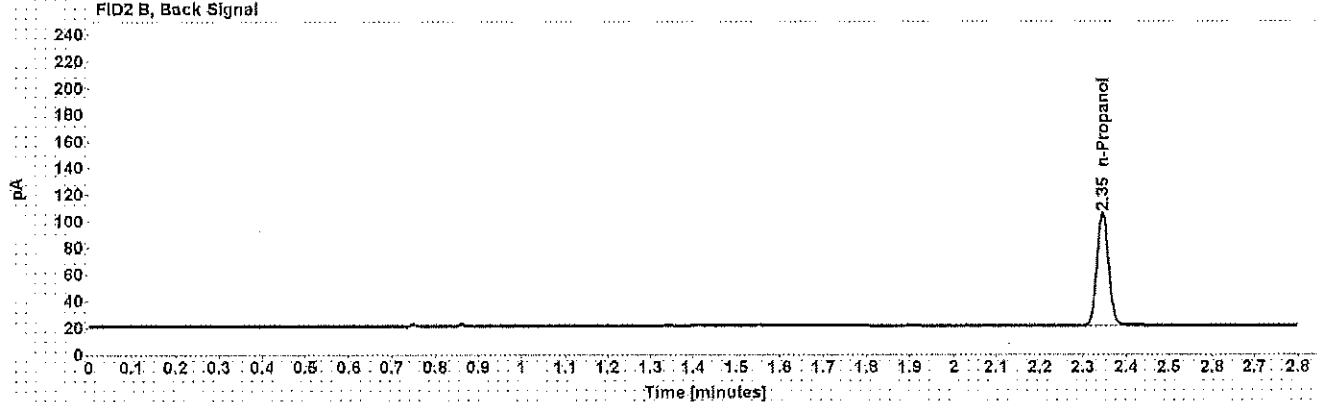
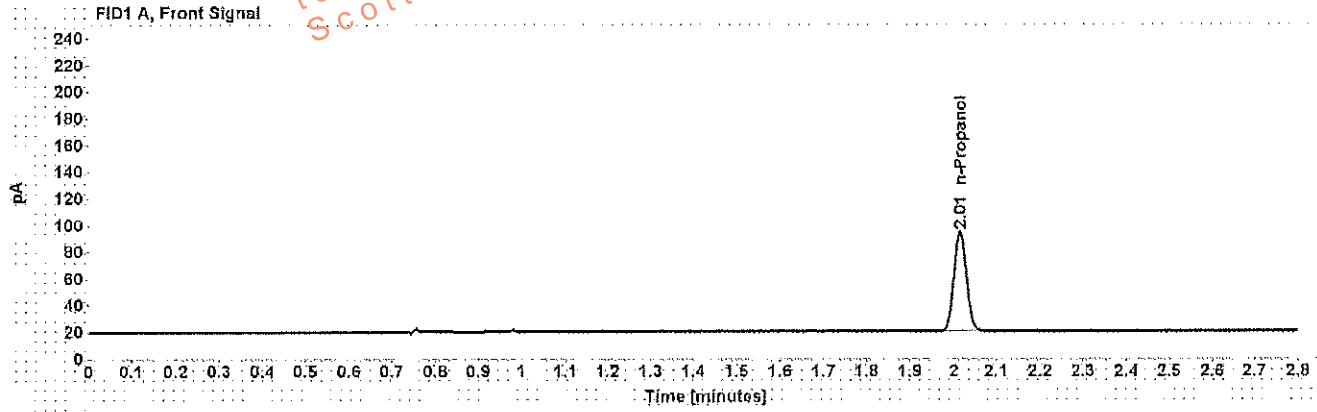


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	151.761

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	157.119

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1097598
<b>Injection date:</b> 1/27/2017 4:38:24 PM	<b>Vial:</b> 41
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\27Jan17\41.D	

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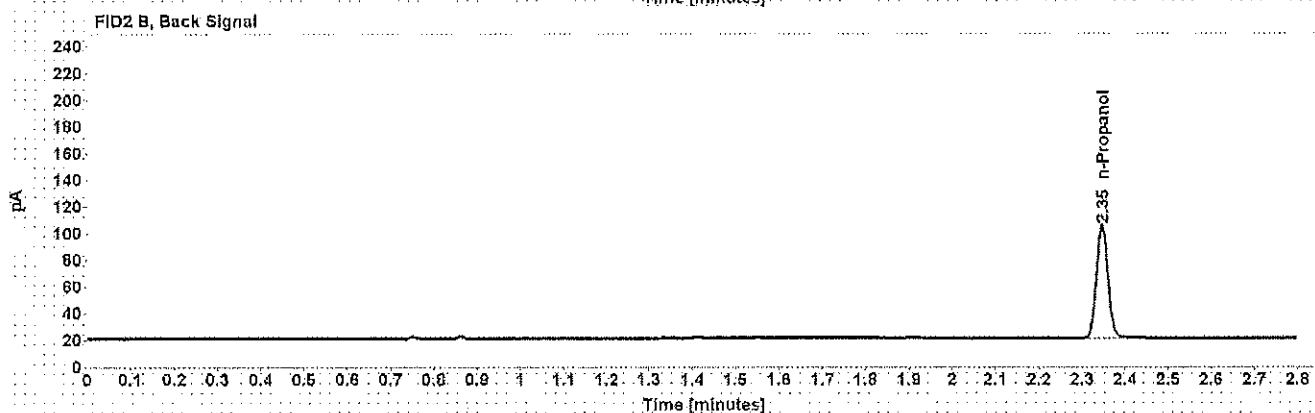
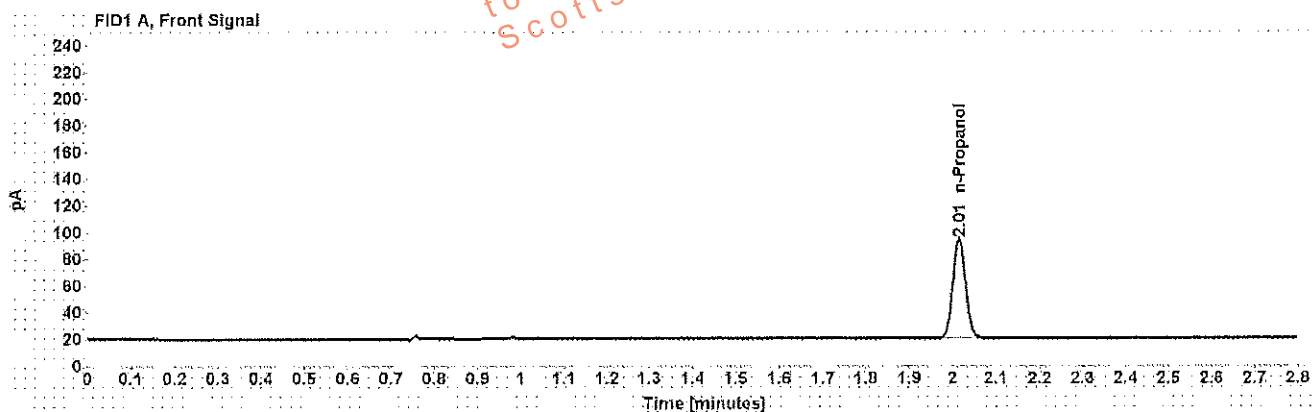


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	151.723

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	156.882

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 285-01A
<b>Injection date:</b> 1/27/2017 4:46:39 PM	<b>Vial:</b> 43
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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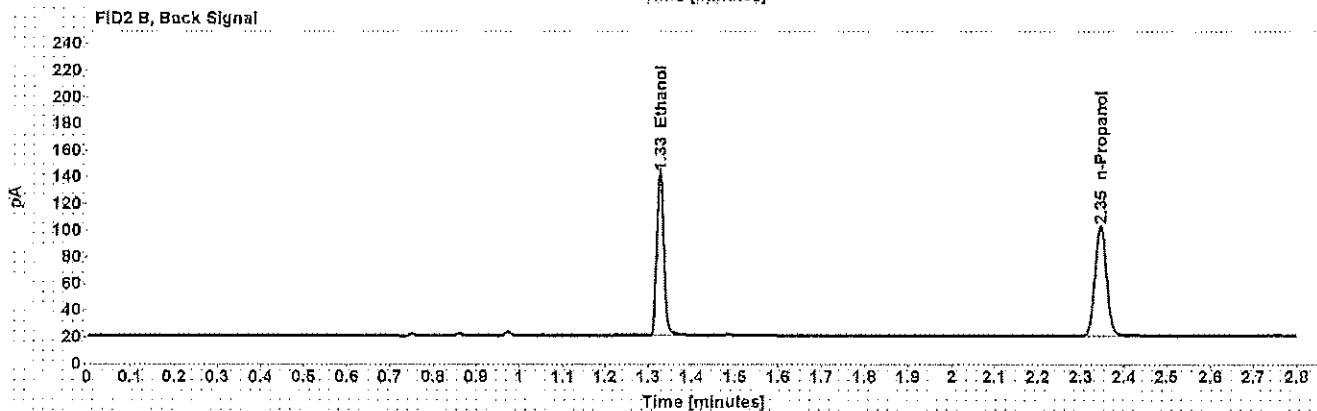
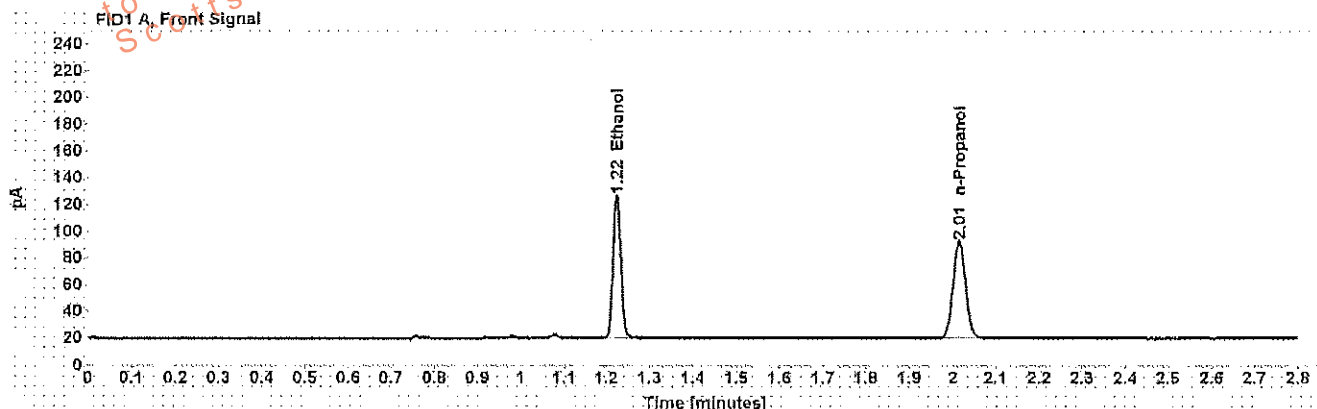


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2431	1.224	136.479
n-Propanol	-----	2.015	148.202

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

Compound	Time (min)	Peak Area
Ethanol	1.327	141.229
n-Propanol	2.345	152.933

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 285-01A
<b>Injection date:</b> 1/27/2017 4:50:39 PM	<b>Vial:</b> 44
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 27Jan17
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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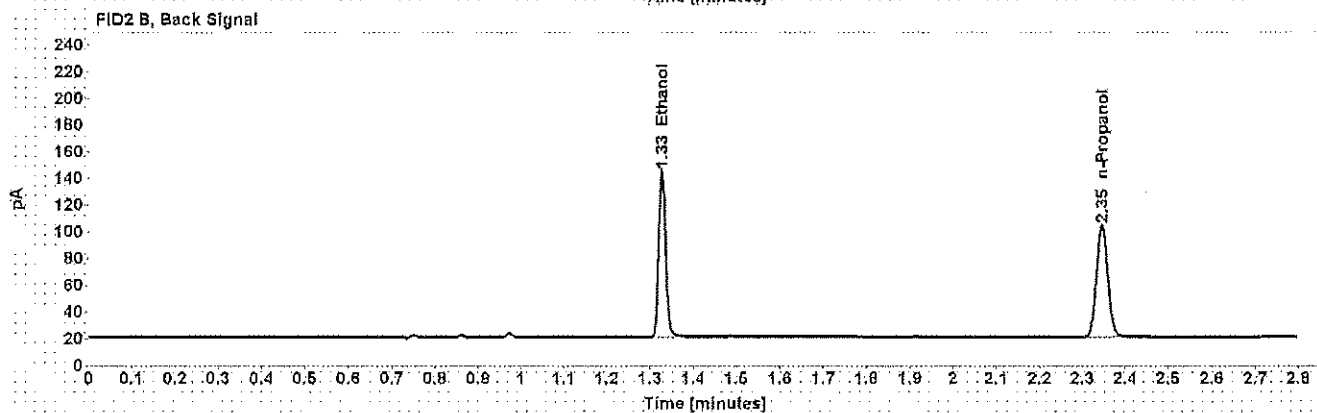
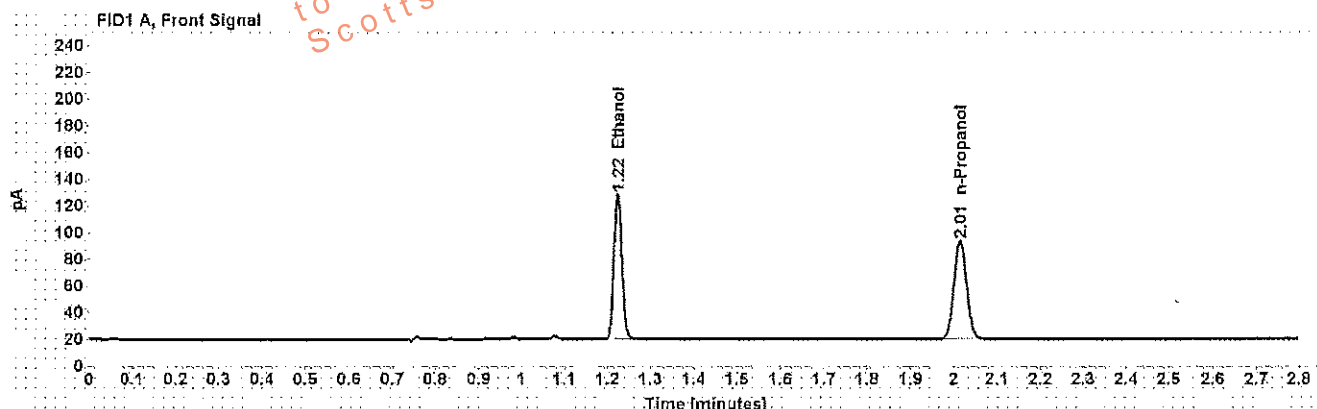


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2439	1.224	139.003
n-Propanol	-----	2.015	150.442

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

Compound	Time (min)	Peak Area
Ethanol	1.327	143.678
n-Propanol	2.345	155.190