

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 4/12/2018 SEQUENCE NAME 12Apr18

**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> )	
Vial 2	0.10 calibrator	Lot	<u>FN06181501</u>		<u>1.00000</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 010318
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.404 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.202 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.081 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	0.406 g/dL	Lipomed 08012015-C
37	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
38	Blood control	0.198 g/dL	0.203 g/dL	ACQ 407041529/3
39	Blank	Not detected	Not detected	SPD lab 010318

**SUBJECT SAMPLES**

Subjects in the sequence 12 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid  Run invalid  WA B1570 4/12/18 Analyst  
 Run valid  Run invalid  KOSECKI 4/13/18 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

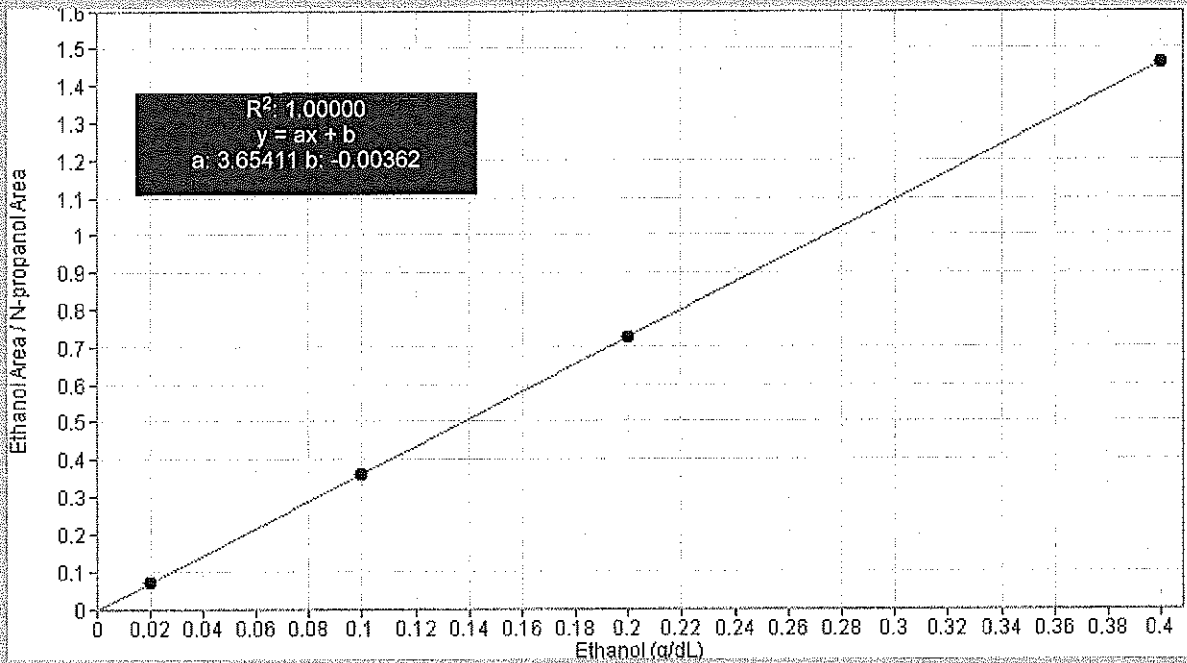
SEQUENCE NAME: 12Apr18

ANALYST: Adrian WA

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 010318	5	negative	negative	-	-
0.400 Lipomed 08012015-C	7	0.404	0.400	1.00	0.004
0.040 Lipomed 09022015-A	8	0.039	0.040	2.50	-0.001
0.198 ACQ 407041529/3	9	0.202	0.198	2.02	0.004
0.080 Lipomed 28082014-B	20	0.081	0.080	1.25	0.001
0.150 Lipomed 09022015-C	31	0.152	0.150	1.33	0.002
0.40 Lipomed 08012015-C	36	0.406	0.400	1.50	0.006
0.04 Lipomed 09022015-A	37	0.040	0.040	0.00	0.000
0.198 ACQ 407041529/3	38	0.203	0.198	2.53	0.005
blank 010318	39	negative	negative	-	-

Callibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.136	171.497	0.071
0.100	63.725	176.451	0.361
0.200	126.719	174.622	0.726
0.400	257.024	176.179	1.459

Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 4/12/2018 11:24:12 AM	Vial: 1
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\1.D	

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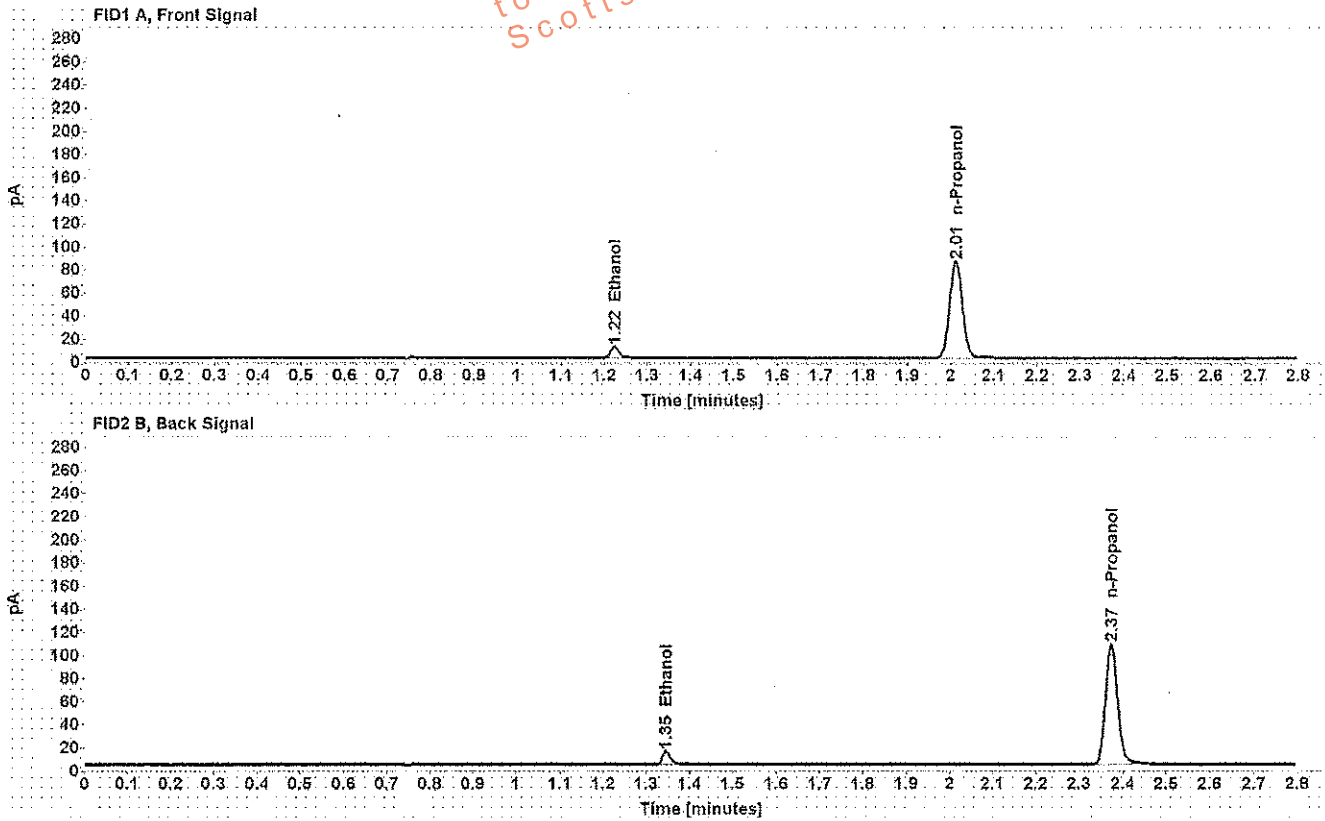


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	12.136
n-Propanol	2.012	171.497

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

Compound	Time (min)	Peak Area
Ethanol	1.346	14.036
n-Propanol	2.374	200.793

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> 0.100 Cerilliant FN06181501	<b>Item number:</b>
<b>Injection date:</b> 4/12/2018 11:28:11 AM	<b>Vial:</b> 2
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\12Apr18\2.D	

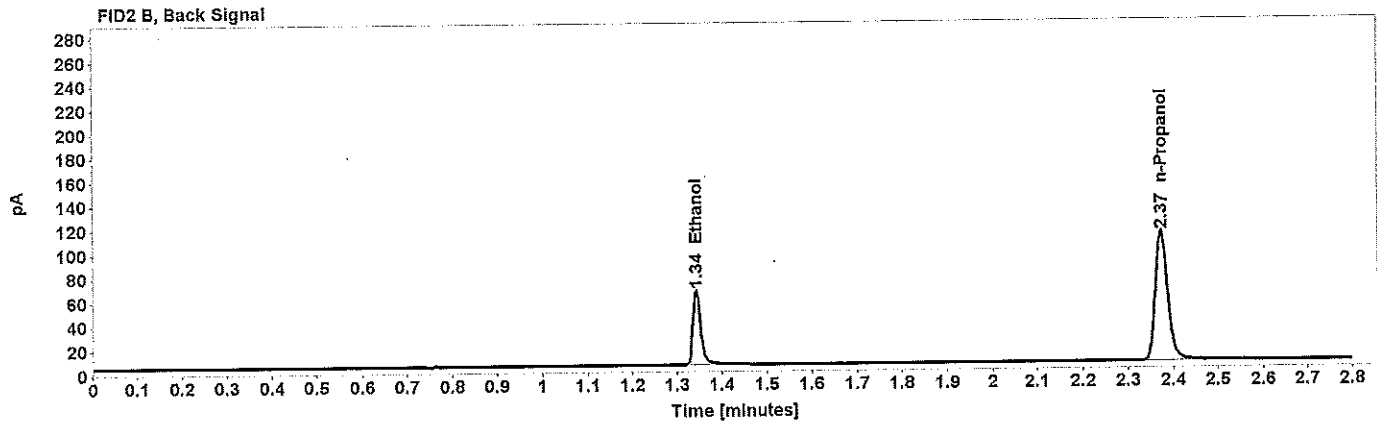
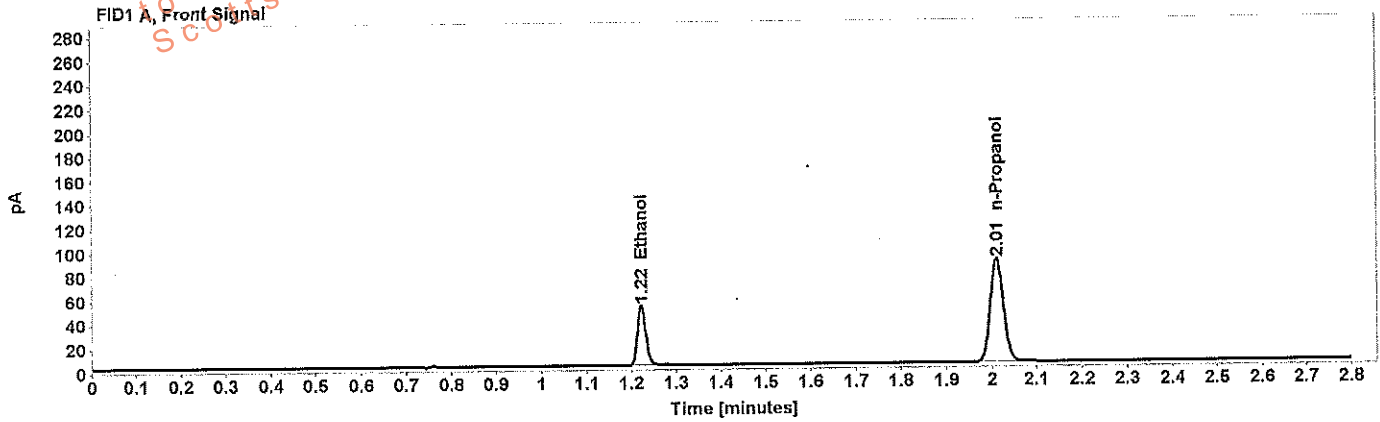


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	63.725
n-Propanol	2.011	176.451

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

Compound	Time (min)	Peak Area
Ethanol	1.343	75.291
n-Propanol	2.373	207.035

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.200 Cerilliant FN07201502	Item number: 3
Injection date: 4/12/2018 11:32:11 AM	Vial: 3
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023-CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\3.D	

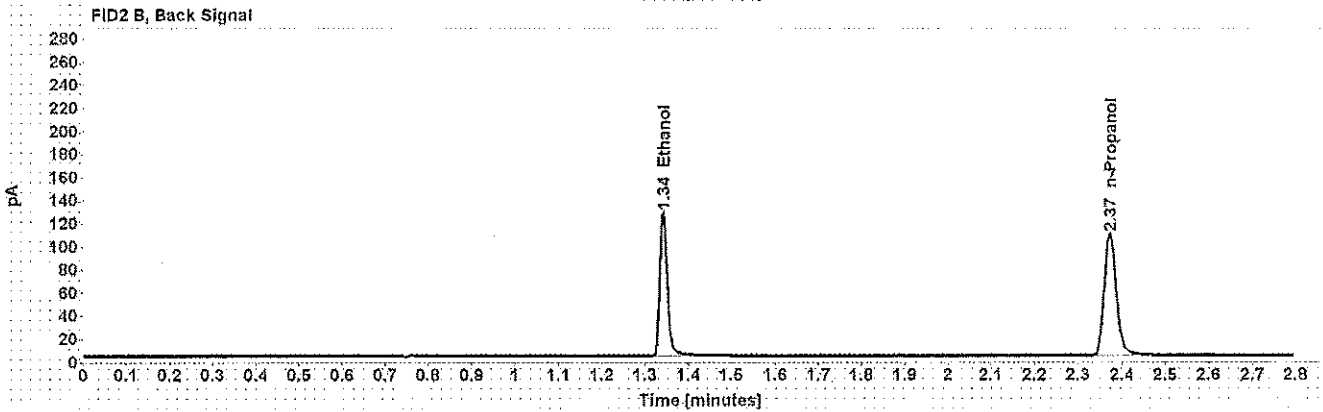
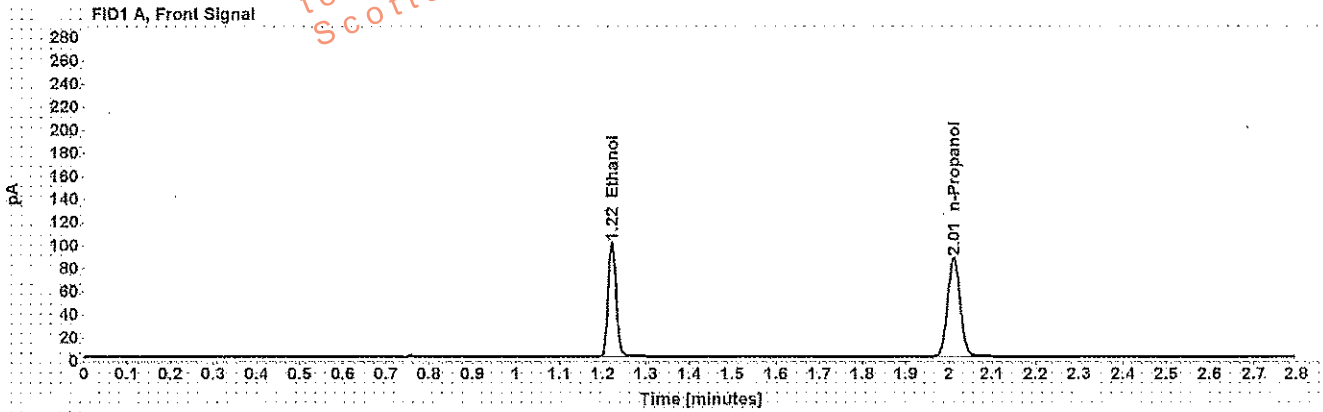


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.221	126.719
n-Propanol	2.011	174.622

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

Compound	Time (min)	Peak Area
Ethanol	1.341	151.133
n-Propanol	2.373	204.857

# Scottsdale Police Department Crime Lab Volatiles Analysis

w/A

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 4/12/2018 11:36:11 AM	Vial: 4
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\4.D	

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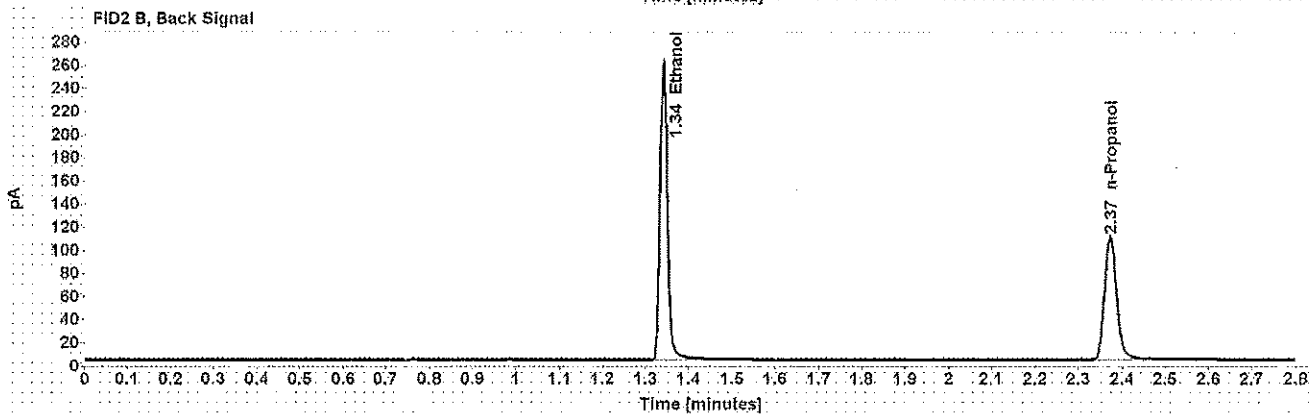
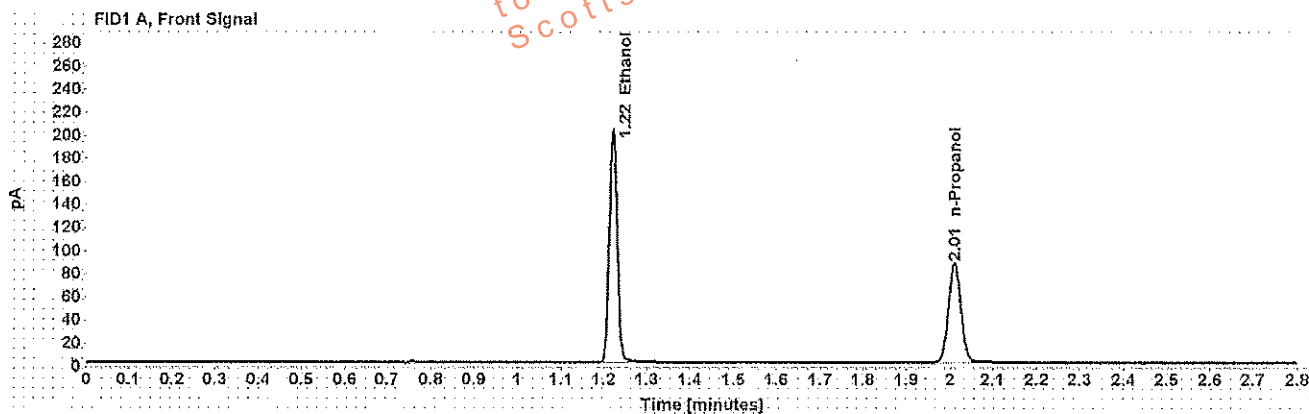


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.221	257.024
n-Propanol	2.011	176.179

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

Compound	Time (min)	Peak Area
Ethanol	1.341	308.665
n-Propanol	2.373	207.053

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> blank 010318	<b>Item number:</b>
<b>Injection date:</b> 4/12/2018 11:40:11 AM	<b>Vial:</b> 5
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\12Apr18\5.D	

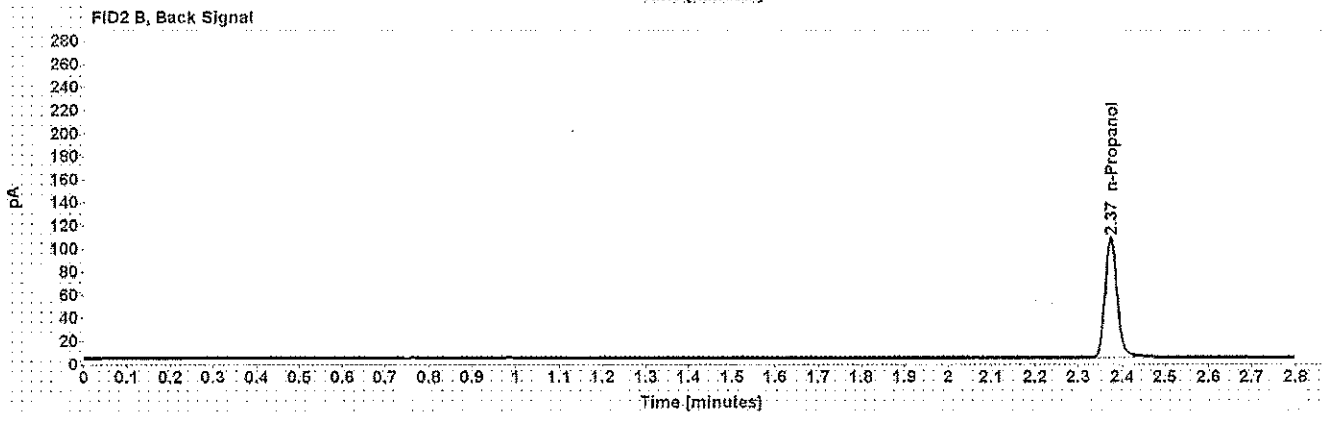
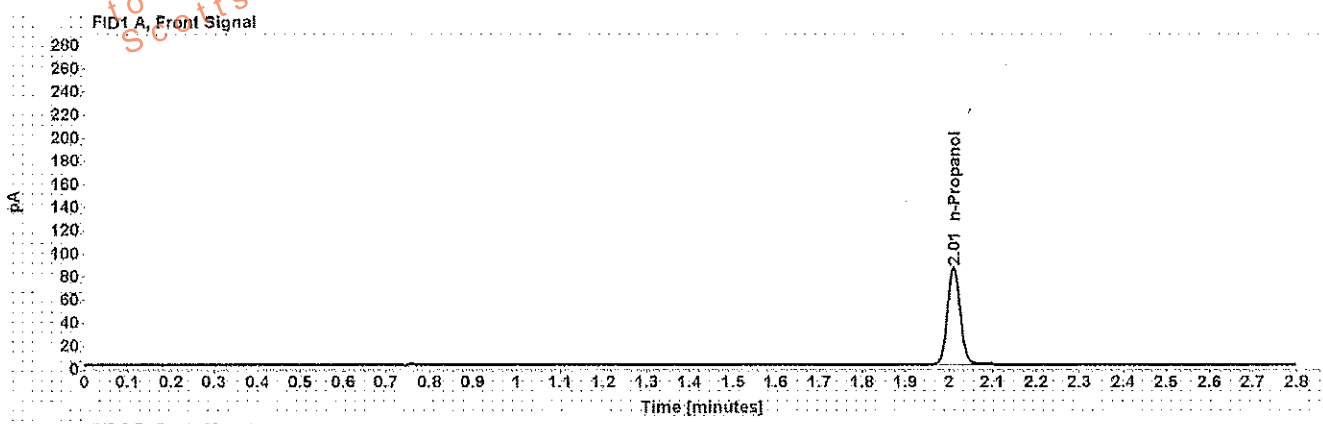


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.011	171.934

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

Compound	Time (min)	Peak Area
n-Propanol	2.373	200.916

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: volatiles mix 020917 WLA	Item number:
Injection date: 4/12/2018 11:44:11 AM	Vial: 6
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023-CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\6.D	

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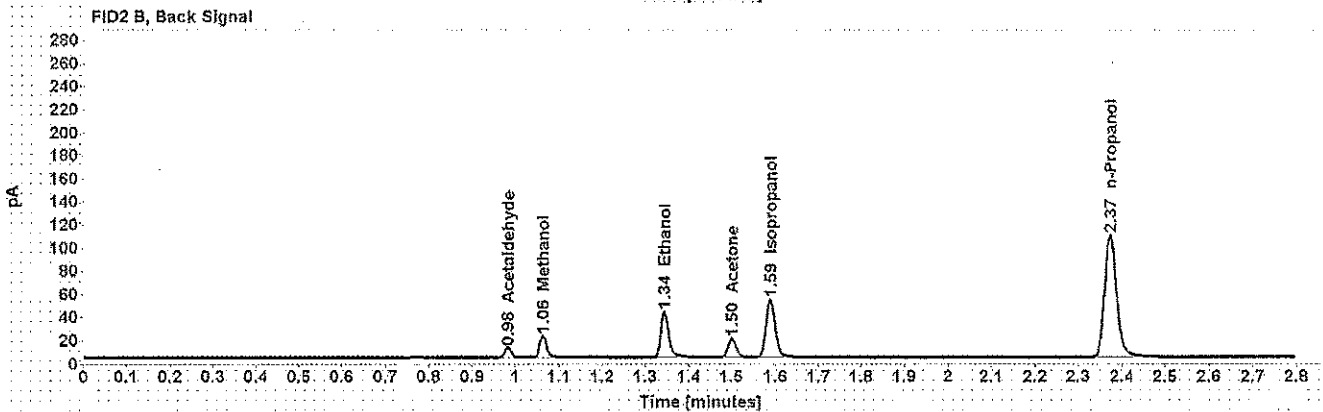
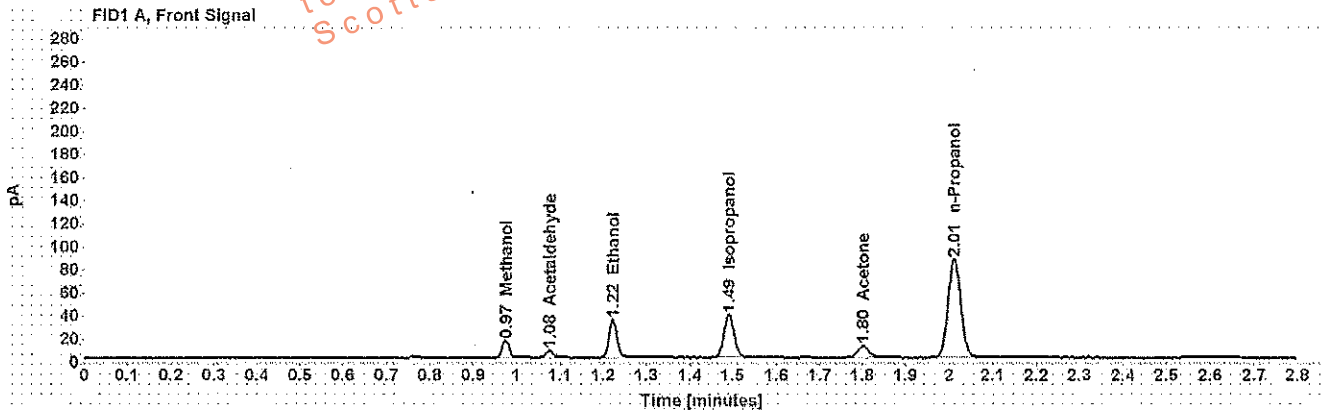


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.975	16.510
Acetaldehyde	-----	1.076	6.319
>Ethanol	0.0671	1.223	42.242
Isopropanol	-----	1.491	60.926
Acetone	-----	1.802	17.692
n-Propanol	-----	2.011	174.829

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	7.939
Methanol	1.063	19.826
Ethanol	1.343	49.180
Acetone	1.501	20.275
Isopropanol	1.589	72.997
n-Propanol	2.373	204.952



# Scottsdale Police Department Crime Lab Volatiles Analysis

WAT

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 4/12/2018 11:48:26 AM	Vial: 7
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\7.D	

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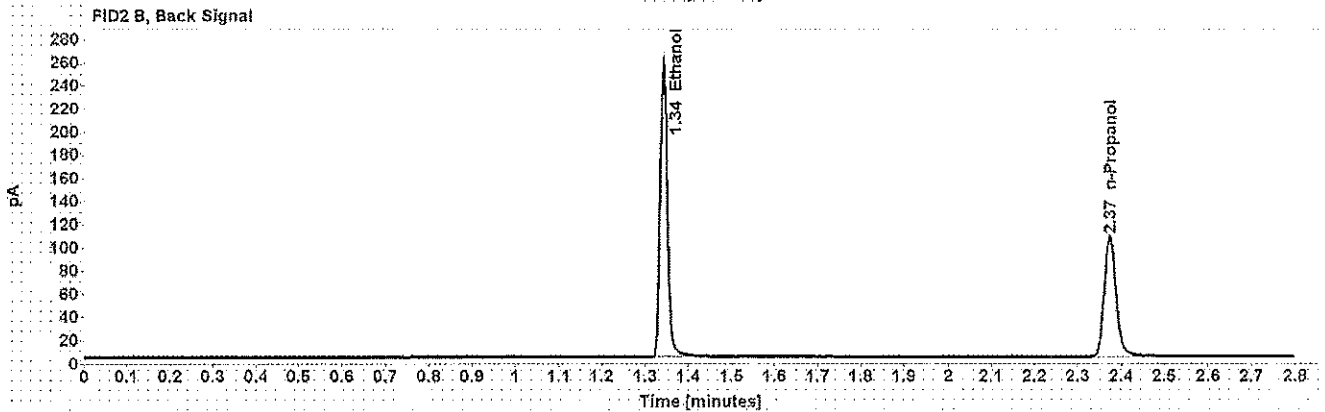
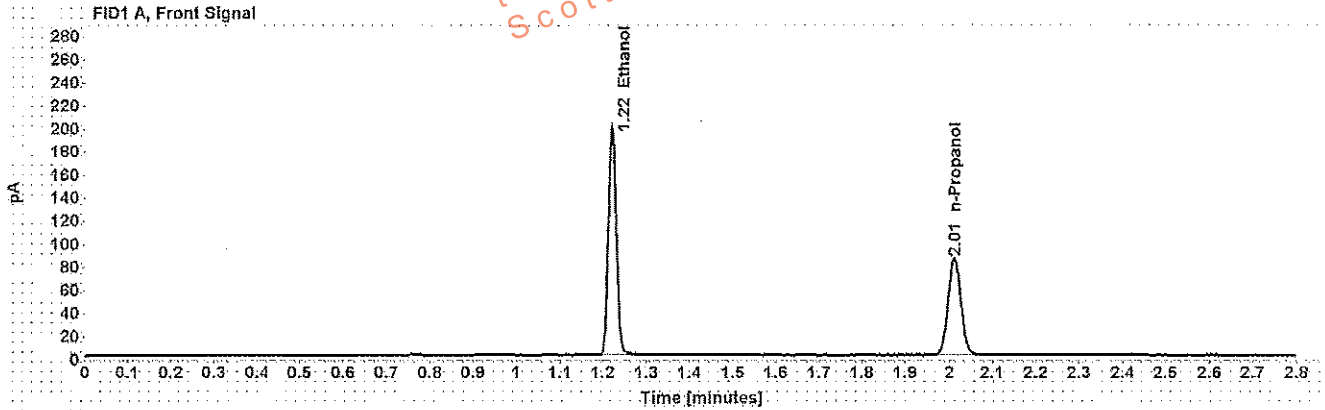


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4040	1.222	252.765
n-Propanol	-----	2.012	171.662

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

Compound	Time (min)	Peak Area
Ethanol	1.342	303.007
n-Propanol	2.373	201.334

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.040 Lipomed 09022015-A	Item number:	
Injection date:	4/12/2018 11:52:26 AM	Vial:	8
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11\Data\12Apr18\8.D		

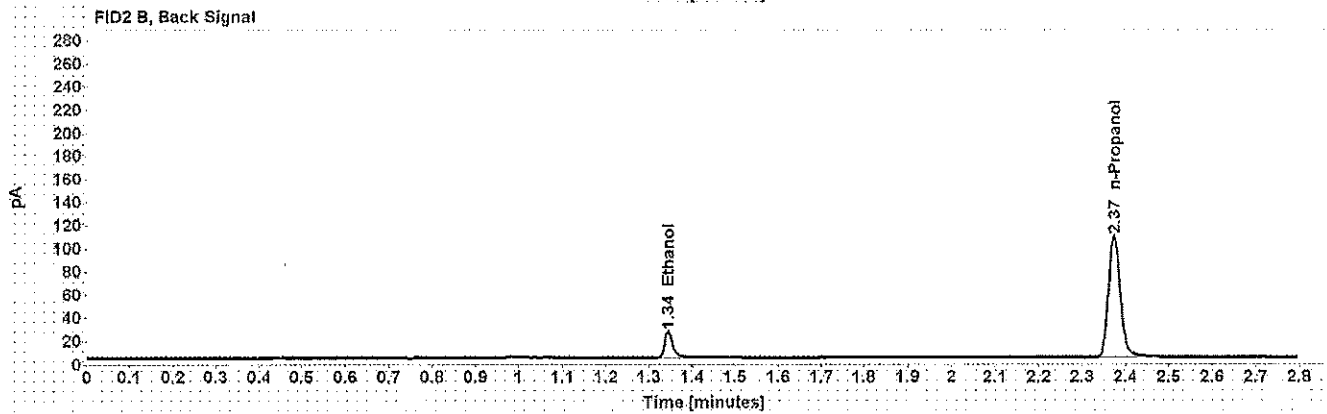
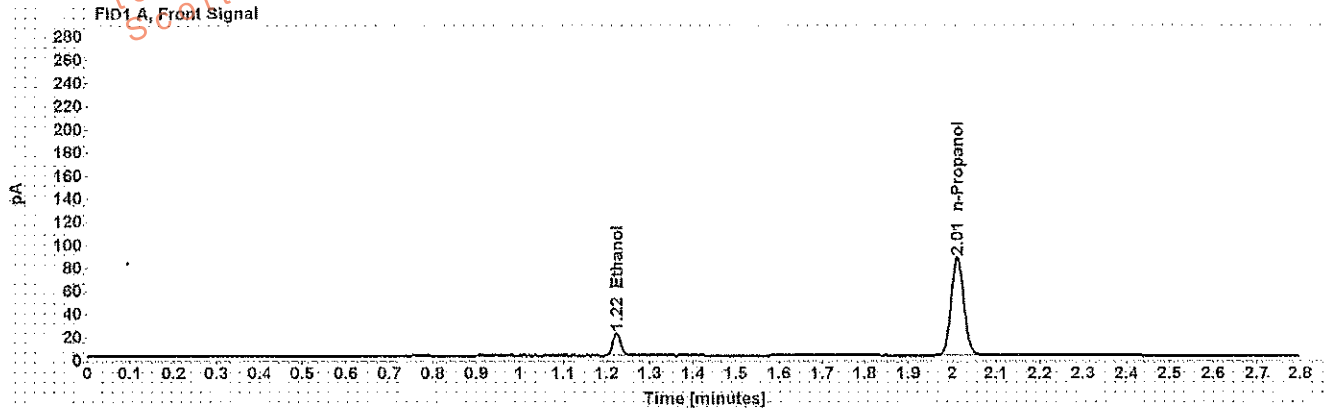


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0398	1.223	24.634
n-Propanol	-----	2.011	173.763

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

Compound	Time (min)	Peak Area
Ethanol	1.344	28.536
n-Propanol	2.373	203.296

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 4/12/2018 11:56:26 AM	Vial: 9
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023-CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\12Apr18\9.D	

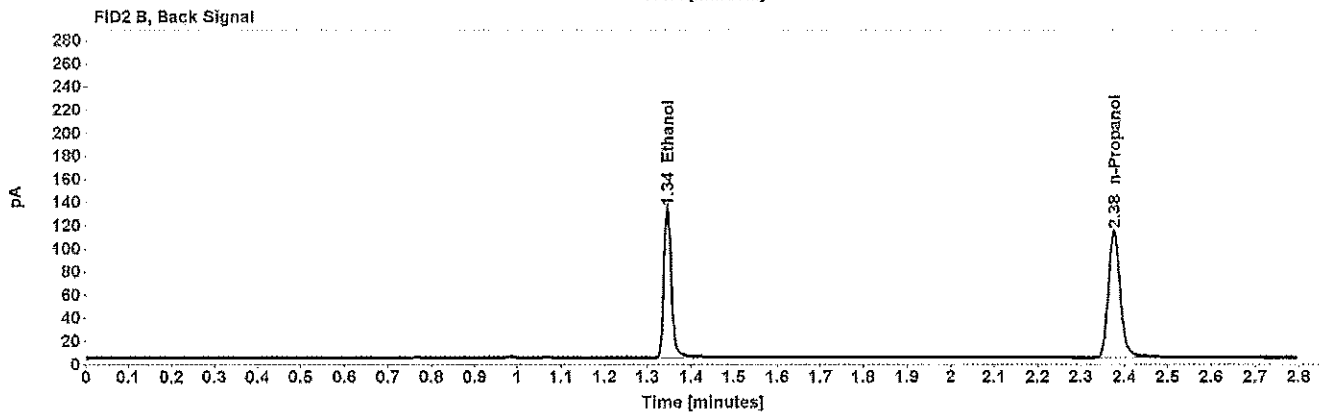
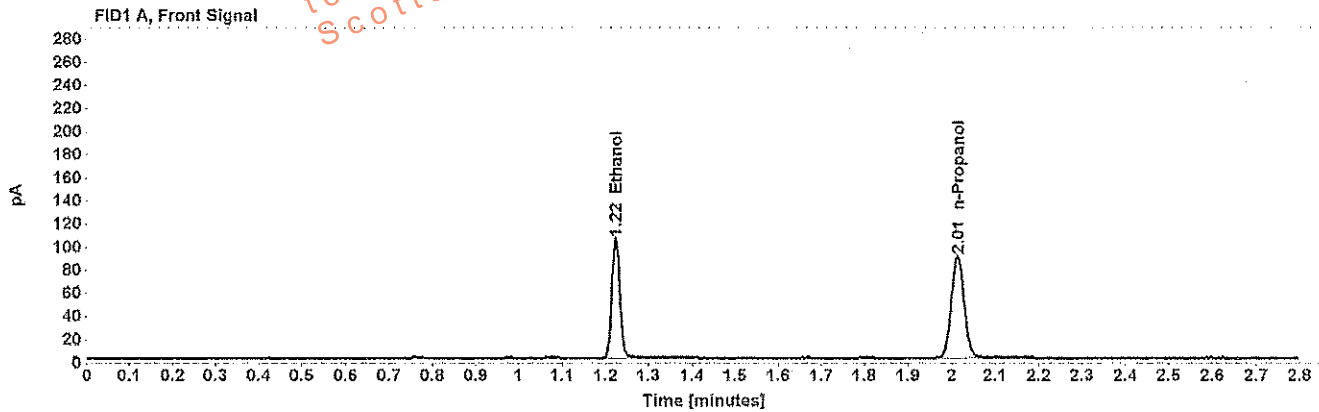


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2021	1.224	132.643
n-Propanol	-----	2.013	180.500

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

Compound	Time (min)	Peak Area
Ethanol	1.345	158.110
n-Propanol	2.376	211.473

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 4/12/2018 12:40:56 PM	Vial: 20
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\20.D	

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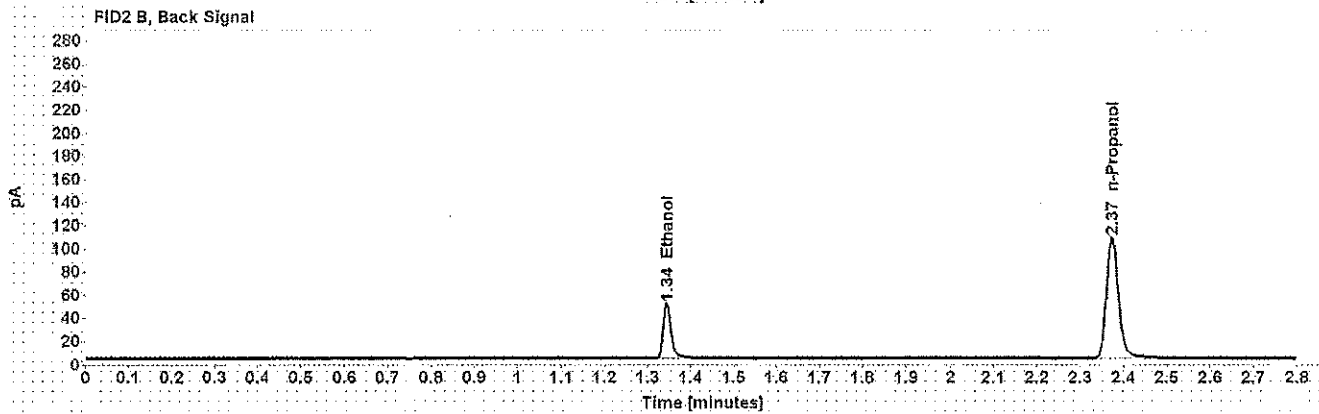
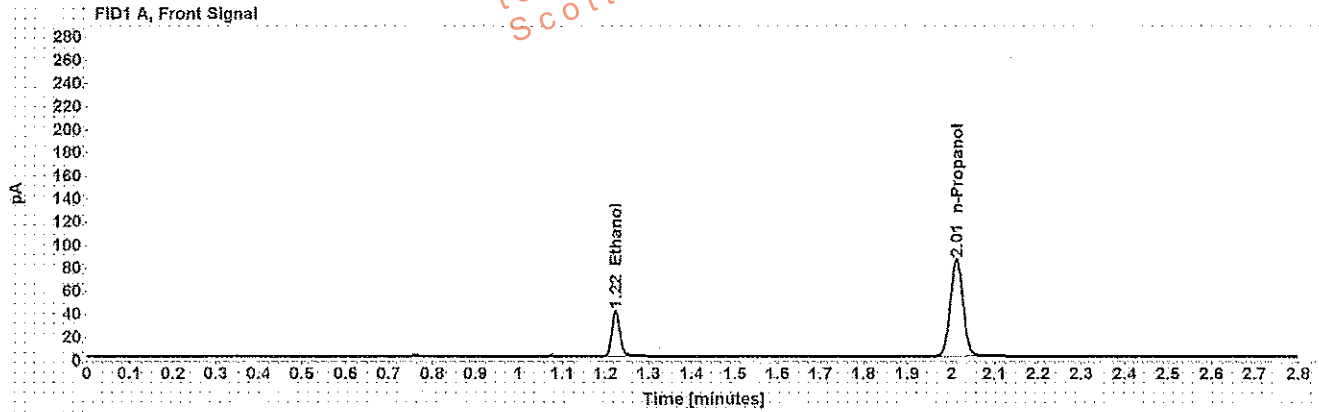


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.223	50.227
n-Propanol	-----	2.012	171.880

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

Compound	Time (min)	Peak Area
Ethanol	1.344	58.828
n-Propanol	2.374	201.460

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.150 Lipomed 09022015-C	Item number:	
Injection date:	4/12/2018 1:25:26 PM	Vial:	31
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11\Data\12Apr18\31.D		

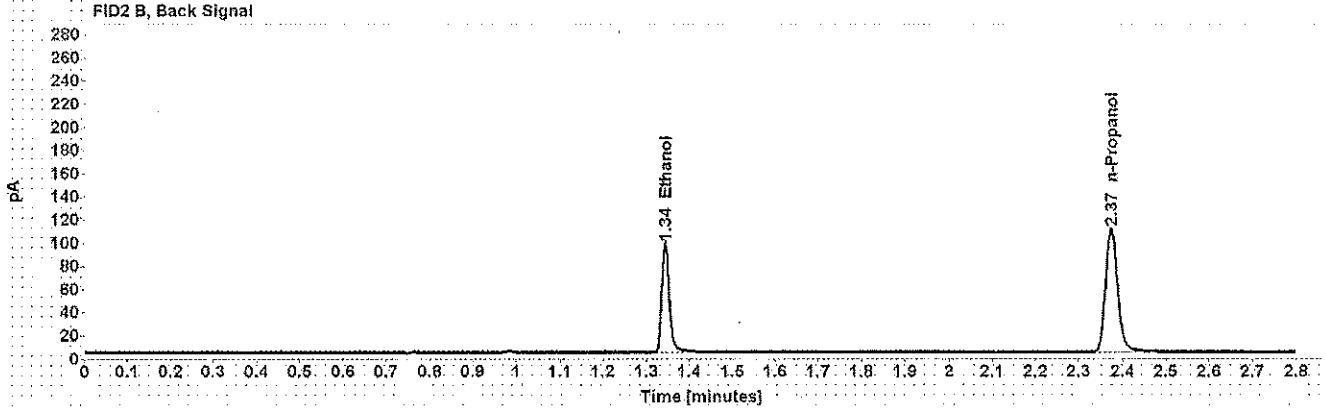
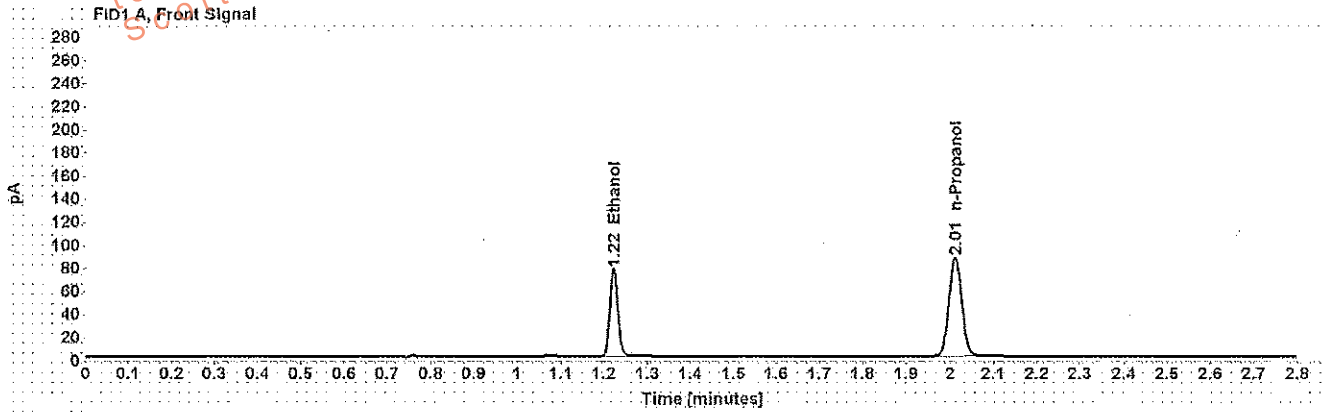


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1522	1.223	97.192
n-Propanol	-----	2.012	175.950

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

Compound	Time (min)	Peak Area
Ethanol	1.343	115.745
n-Propanol	2.374	206.863

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.40 Lipomed 08012015-C	Item number: 36
Injection date: 4/12/2018 1:45:26 PM	Vial: 36
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\36.D	

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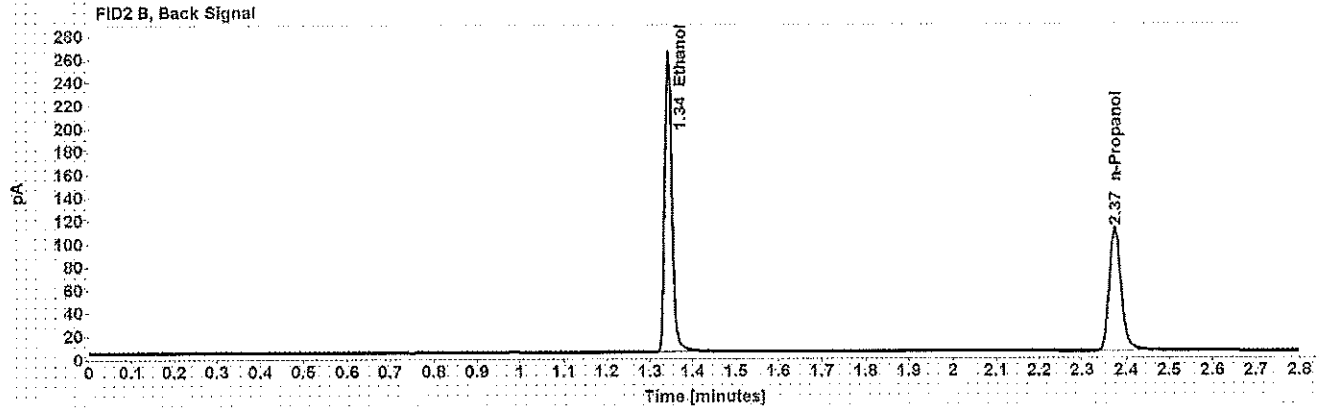
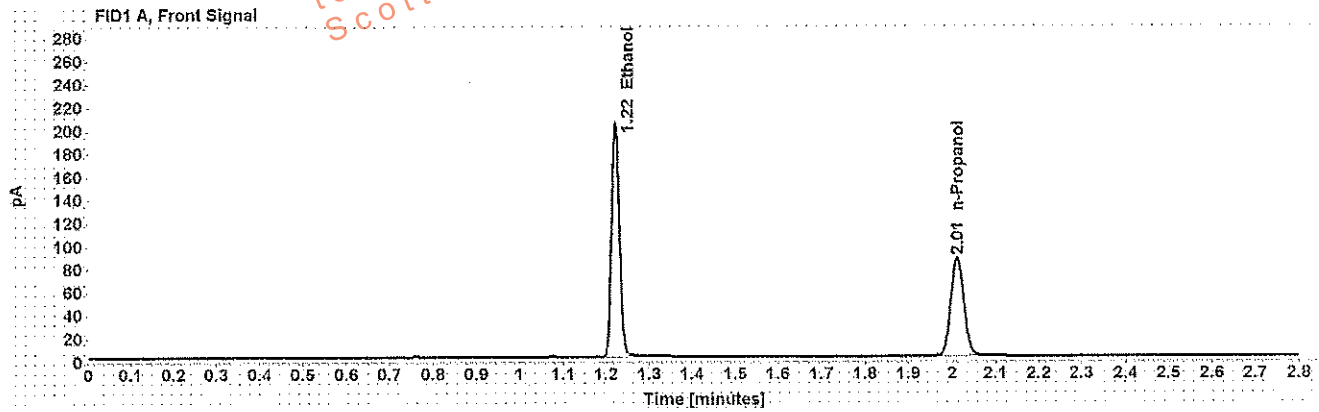


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4068	1.222	259.354
n-Propanol	-----	2.012	174.893

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

Compound	Time (min)	Peak Area
Ethanol	1.342	311.911
n-Propanol	2.374	205.847

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 4/12/2018 1:49:41 PM	Vial: 37
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\37.D	

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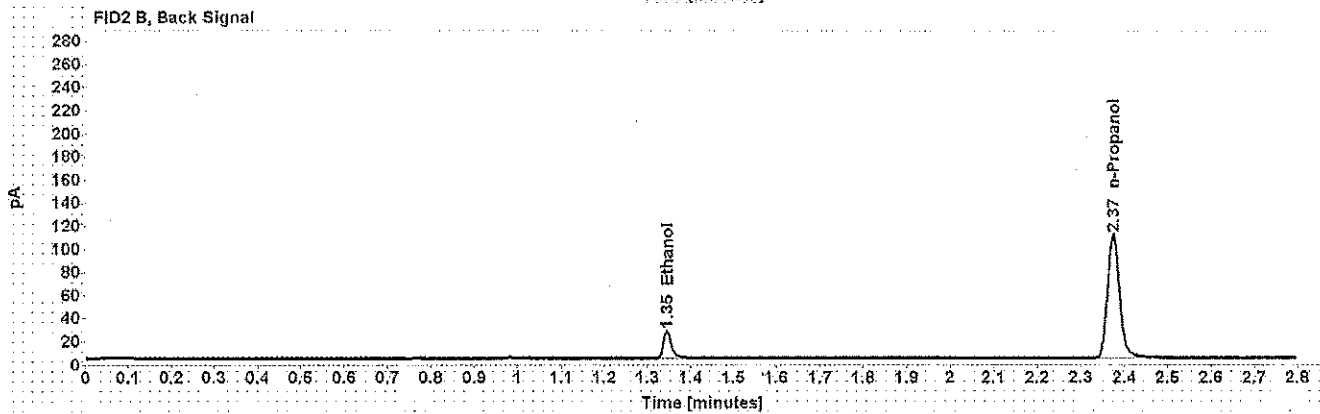
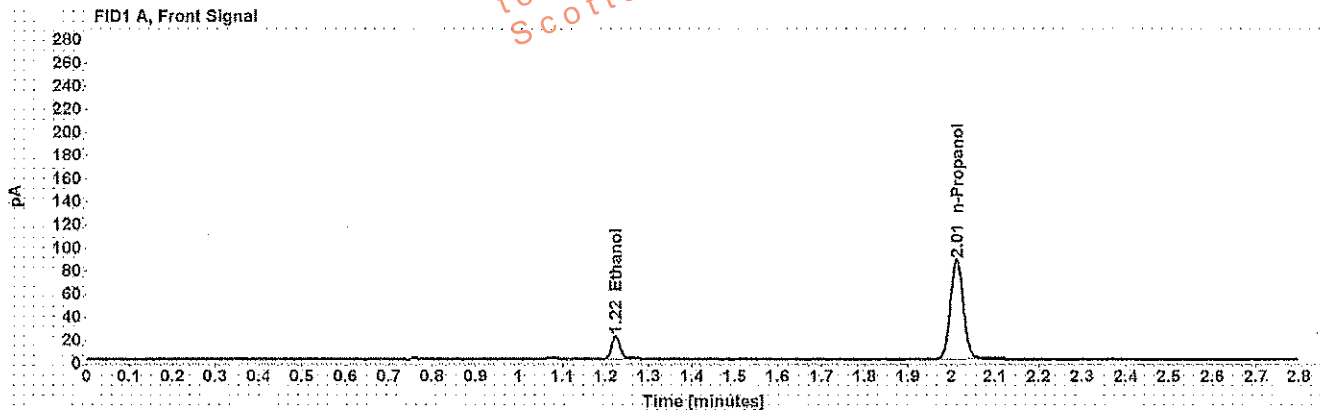


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.224	25.306
n-Propanol	-----	2.012	176.325

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

Compound	Time (min)	Peak Area
Ethanol	1.345	29.284
n-Propanol	2.374	207.154

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 4/12/2018 1:53:42 PM	Vial: 38
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\1\Data\12Apr18\38.D	

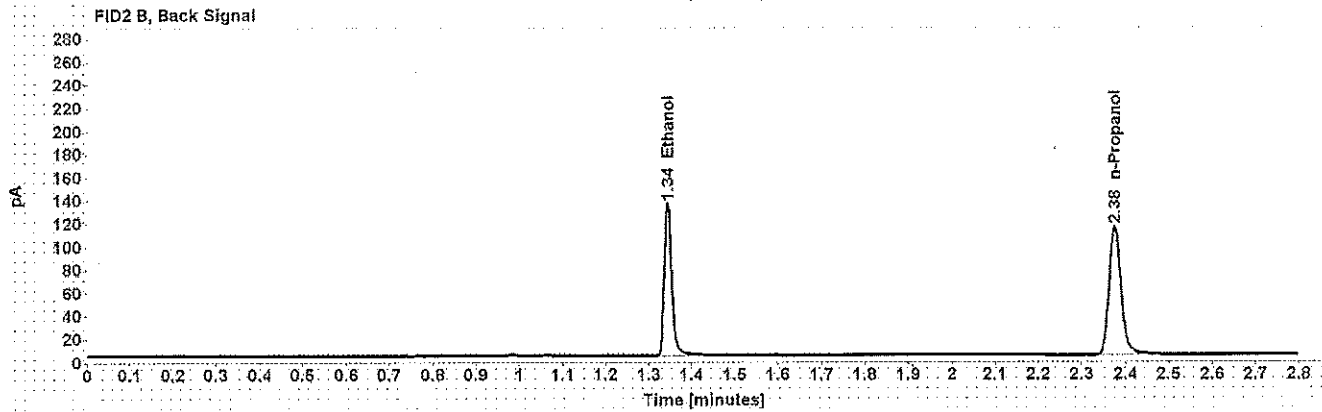
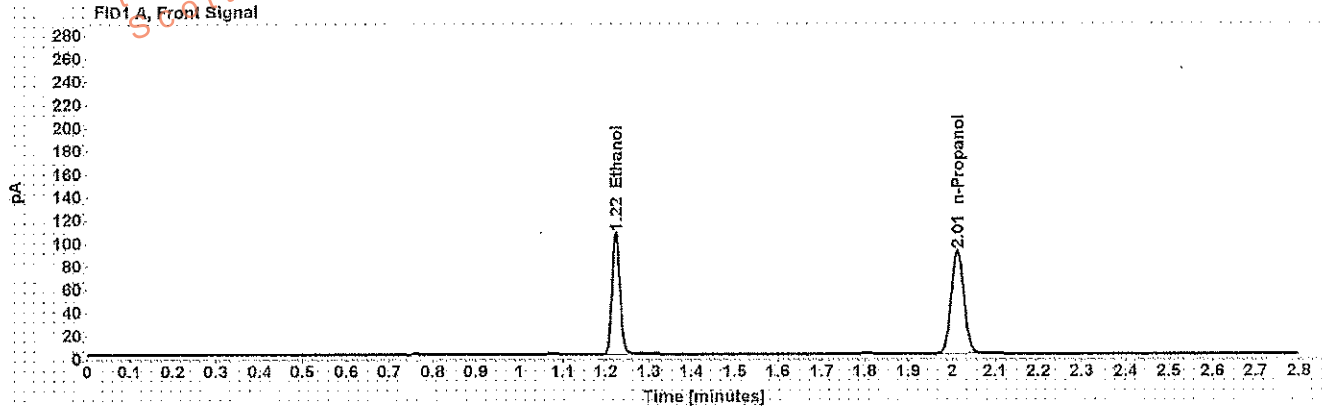


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2030	1.223	134.545
n-Propanol	-----	2.013	182.258

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

Compound	Time (min)	Peak Area
Ethanol	1.344	160.865
n-Propanol	2.375	214.413



# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: blank 010318	Item number: 39
Injection date: 4/12/2018 1:57:41 PM	Vial: 39
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\39.D	

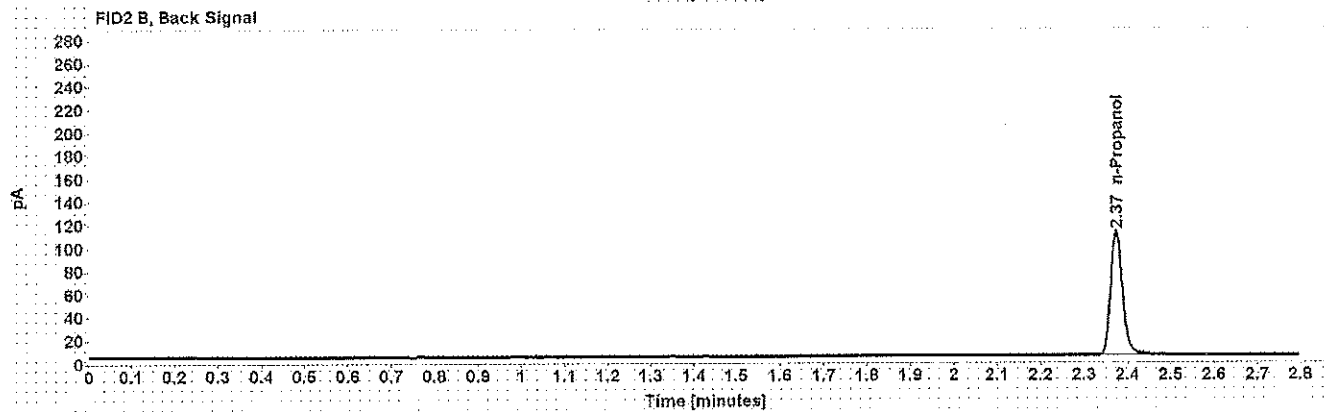
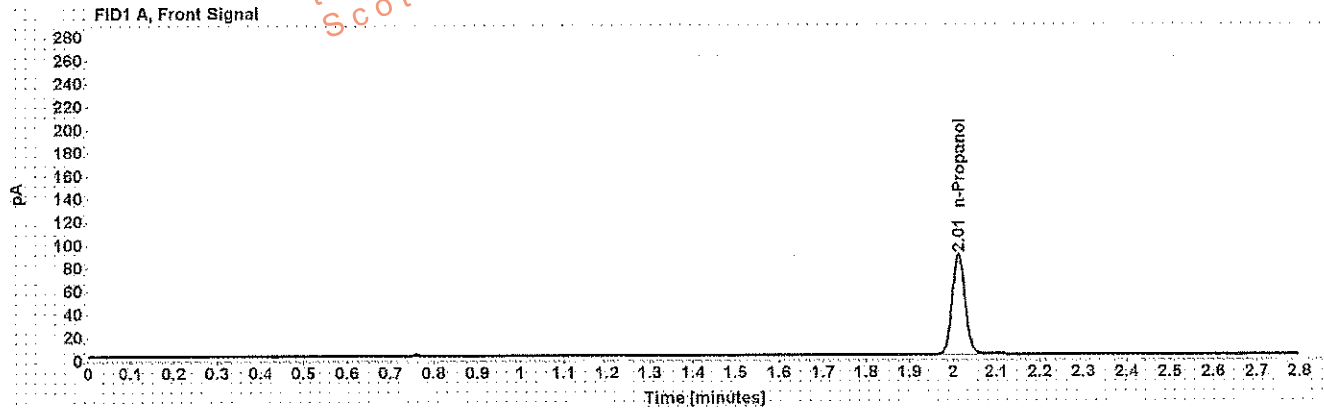


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	176.928

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

Compound	Time (min)	Peak Area
n-Propanol	2.374	208.105

# Sequence Summary

IWA

Sequence name: 12Apr18 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 010318	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		Sample	1194434	ethanol quant.M
11		Sample	1194434	ethanol quant.M
12		Sample	1208290	ethanol quant.M
13		Sample	1208290	ethanol quant.M
14		Sample	333-01A	ethanol quant.M
15		Sample	333-01A	ethanol quant.M
16		Sample	339-01A	ethanol quant.M
17		Sample	339-01A	ethanol quant.M
18		Sample	288-01A	ethanol quant.M
19		Sample	288-01A	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	135-01A	ethanol quant.M
22		Sample	135-01A	ethanol quant.M
23		Sample	1208737	ethanol quant.M
24		Sample	1208737	ethanol quant.M
25		Sample	1205044	ethanol quant.M
26		Sample	1205044	ethanol quant.M
27		Sample	1204046	ethanol quant.M
28		Sample	1204046	ethanol quant.M
29		Sample	1204376	ethanol quant.M
30		Sample	1204376	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32		Sample	1205256	ethanol quant.M
33		Sample	1205256	ethanol quant.M
34		Sample	1188209	ethanol quant.M
35		Sample	1188209	ethanol quant.M
36	0.40 Lipomed 08012015-C	Control		ethanol quant.M
37	0.04 Lipomed 09022015-A	Control		ethanol quant.M
38	0.198 ACQ 407041529/3	Control		ethanol quant.M
39	blank 010318	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory

## Summary of Cases

SEQUENCE NAME: 12Apr18

ANALYST: Adrian WYA

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2836	0.2861	0.28485	0.44	0.00125
12 13	0.1413	0.1438	0.14255	0.88	0.00125
14 15	0.1495	0.1511	0.15030	0.53	0.00080
16 17	0.2149	0.2175	0.21620	0.60	0.00130
18 19	0.3262	0.3182	0.32220	1.24	0.00400
21 22	0.2104	0.2082	0.20930	0.53	0.00110
23 24	0.0000	0.0000	0.00000	0.00	0.00000
25 26	0.1793	0.1807	0.18000	0.39	0.00070
27 28	0.1545	0.1579	0.15620	1.09	0.00170
29 30	0.1521	0.1533	0.15270	0.39	0.00060
32 33	0.0943	0.0931	0.09370	0.64	0.00060
34 35	0.1277	0.1277	0.12770	0.00	0.00000

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

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1194434
Injection date:	4/12/2018 12:00:27 PM	Vial:	10
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\12Apr18\10.D		

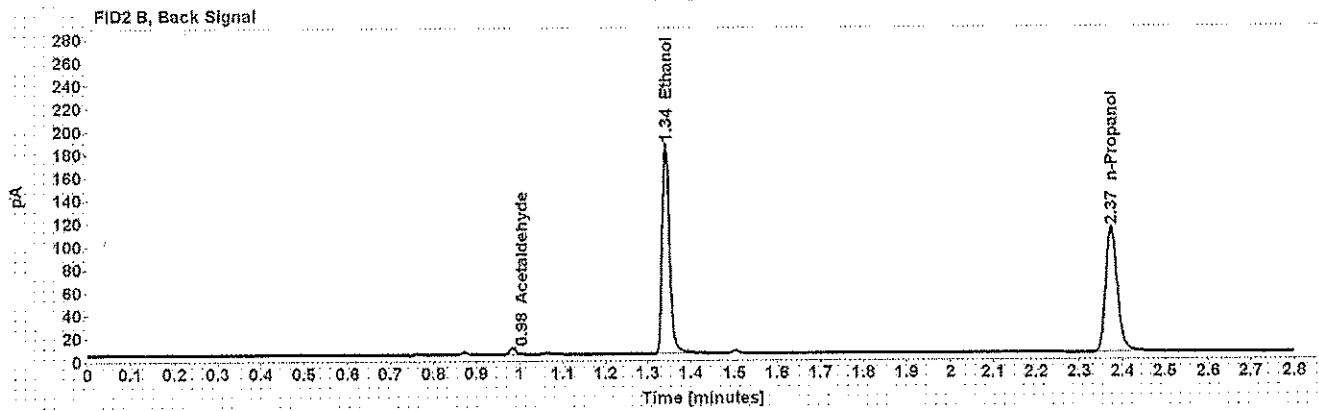
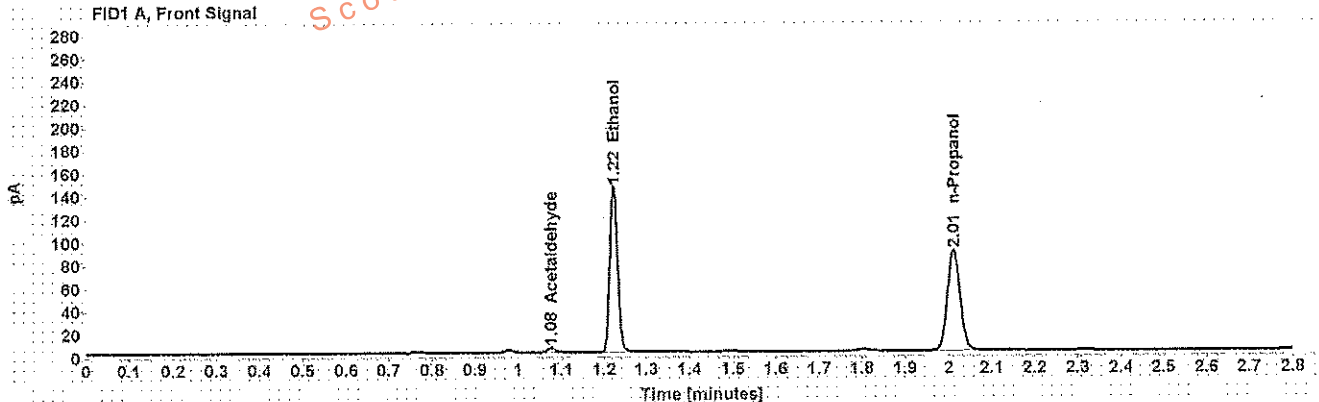


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.285
>Ethanol	0.2836	1.222	184.738
n-Propanol	-----	2.012	178.913

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.377
Ethanol	1.342	219.880
n-Propanol	2.374	207.691

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1194434
Injection date:	4/12/2018 12:04:26 PM	Vial:	11
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\12Apr18\11.D		

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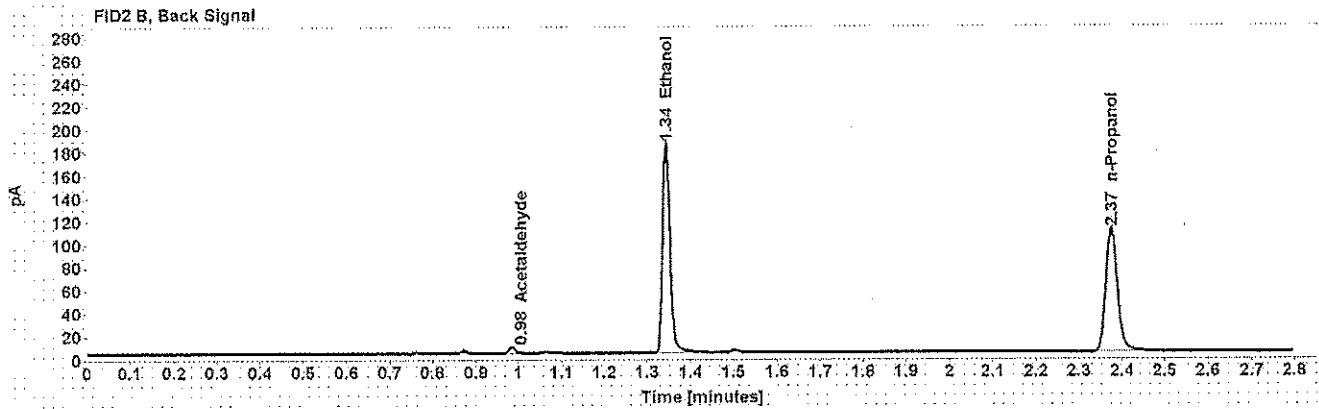
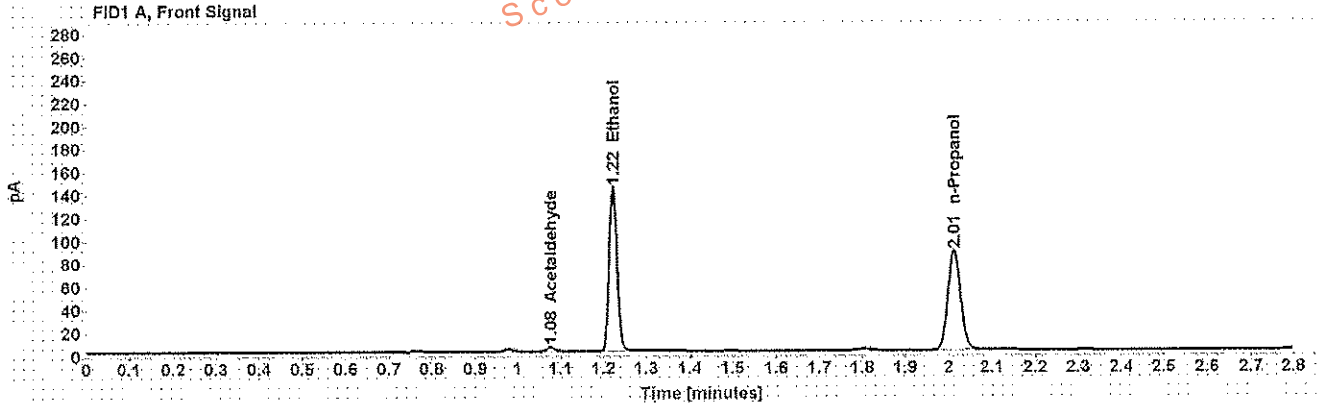


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.238
>Ethanol	0.2861	1.223	183.720
n-Propanol	-----	2.012	176.370

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.328
Ethanol	1.343	218.800
n-Propanol	2.375	205.864

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1208290
Injection date: 4/12/2018 12:08:26 PM	Vial: 12
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160046	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\12.D	

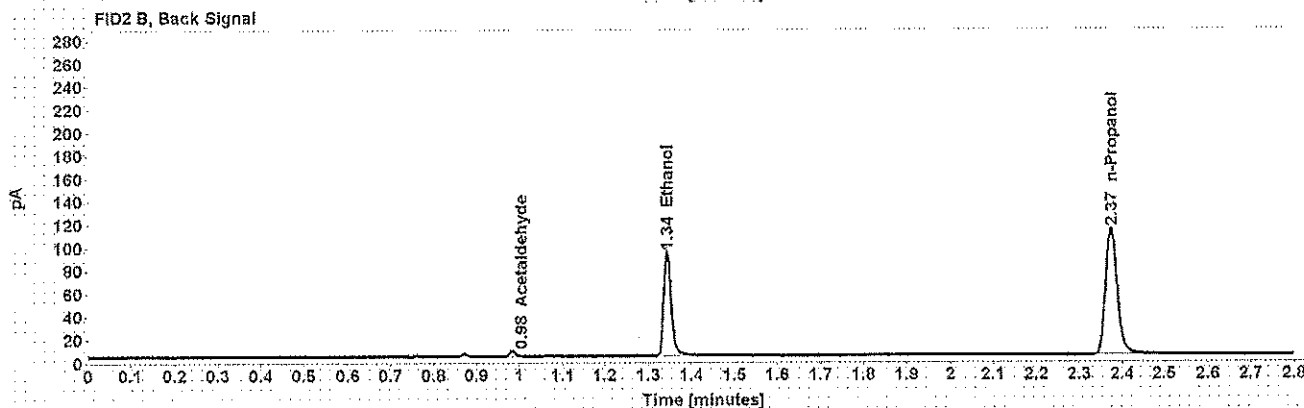
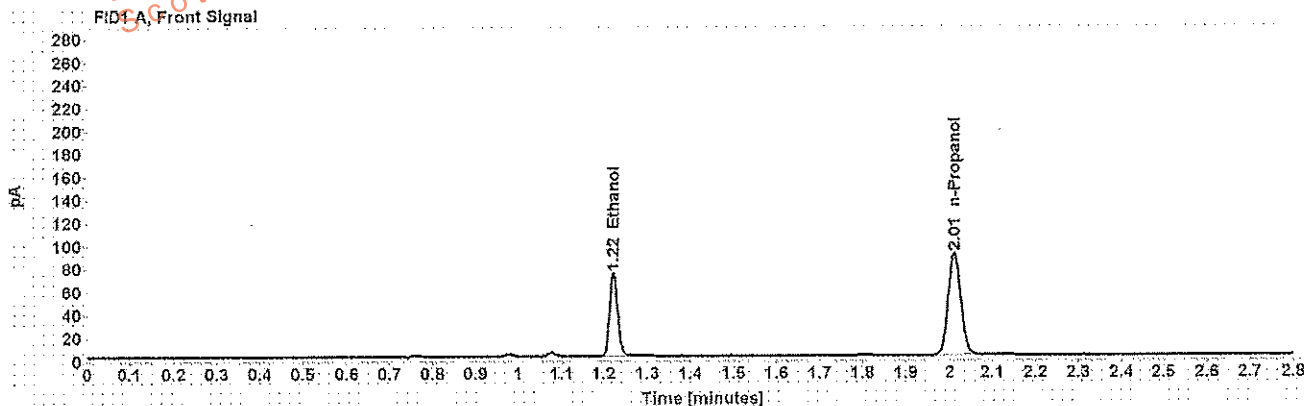


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1413	1.223	92.839
n-Propanol	-----	2.012	181.127

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.315
Ethanol	1.343	109.327
n-Propanol	2.374	212.952

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1208290
Injection date: 4/12/2018 12:12:41 PM	Vial: 13
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211Data\12Apr18\13.D	

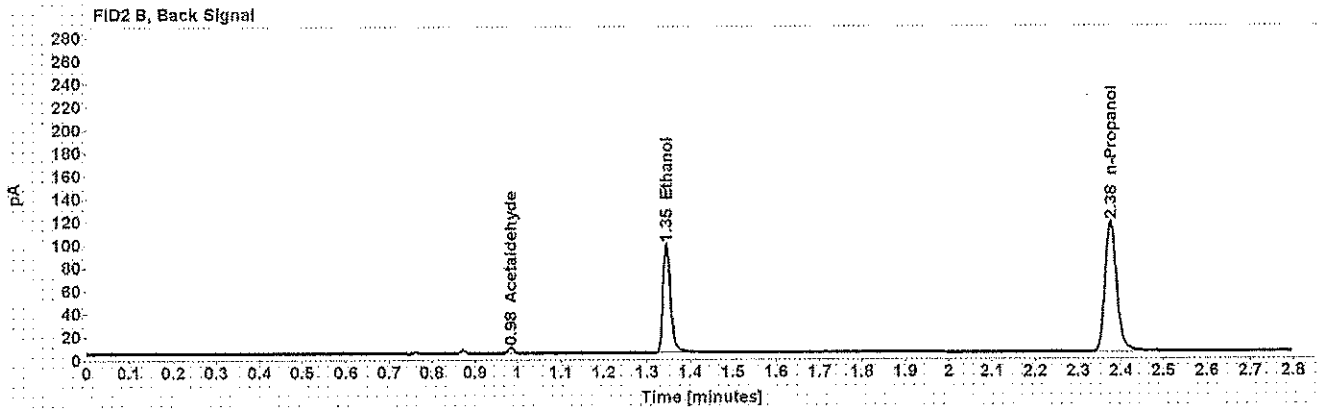
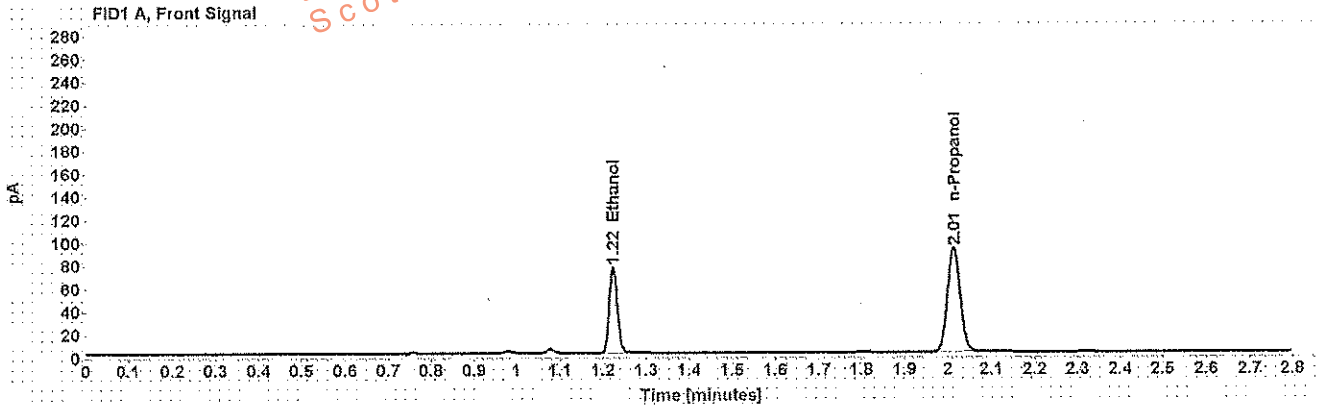


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1438	1.224	96.810
n-Propanol	-----	2.013	185.501

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.432
Ethanol	1.345	113.741
n-Propanol	2.376	218.181

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	333-01A
Injection date:	4/12/2018 12:16:41 PM	Vial:	14
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\12Apr18\14.D		

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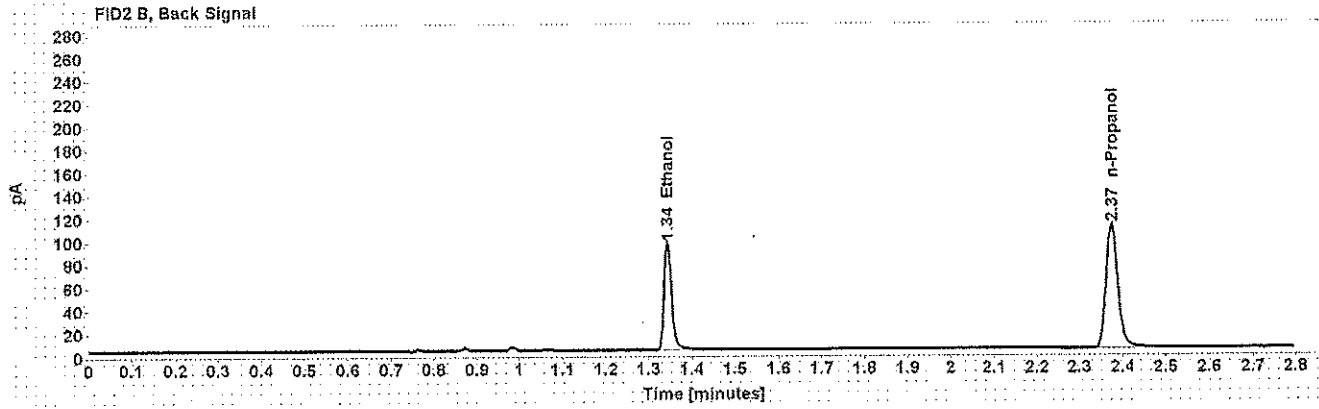
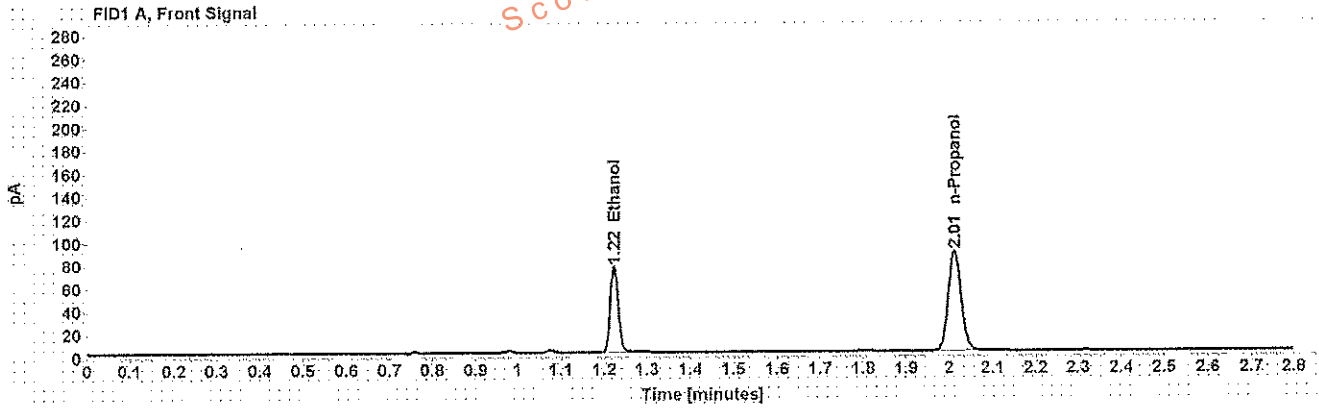


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1495	1.223	96.102
n-Propanol	-----	2.012	177.110

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

Compound	Time (min)	Peak Area
Ethanol	1.344	113.758
n-Propanol	2.374	208.082



Case: [REDACTED] User: wadrian 4/12/2018

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	333-01A
Injection date:	4/12/2018 12:20:41 PM	Vial:	15
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\12Apr18\15.D		

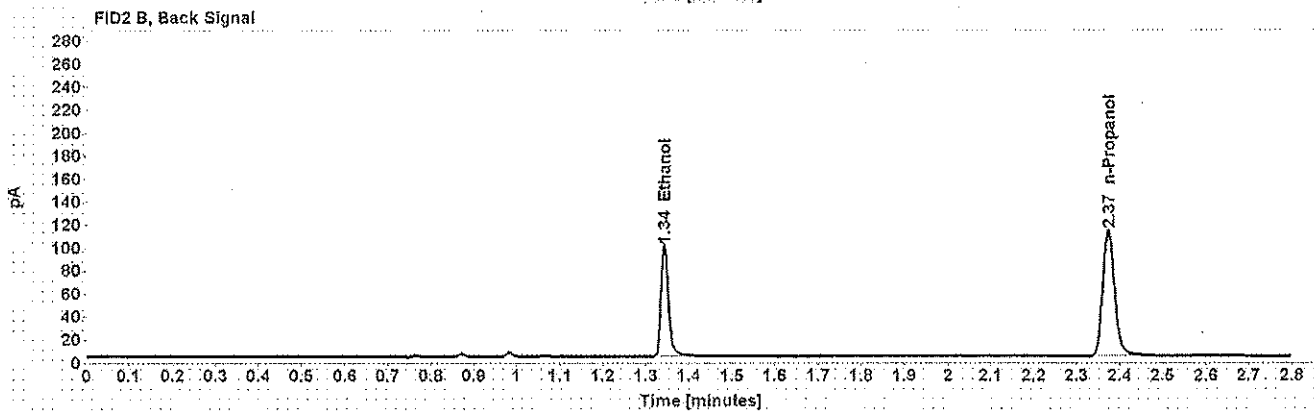
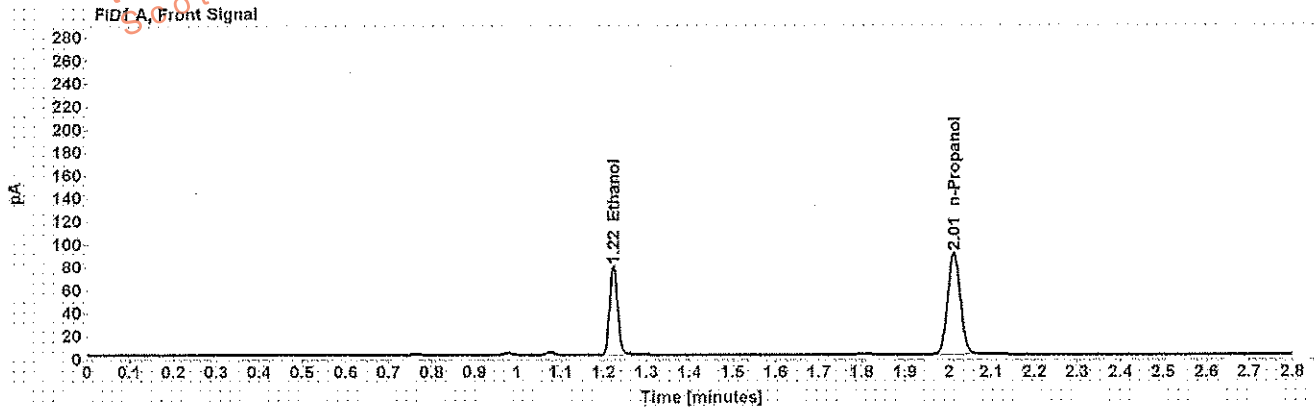


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1511	1.223	99.129
n-Propanol	-----	2.012	180.720

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

Compound	Time (min)	Peak Area
Ethanol	1.343	117.591
n-Propanol	2.374	212.316

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	339-01A
Injection date:	4/12/2018 12:24:41 PM	Vial:	16
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem321\1\Datat\12Apr18\16.D		

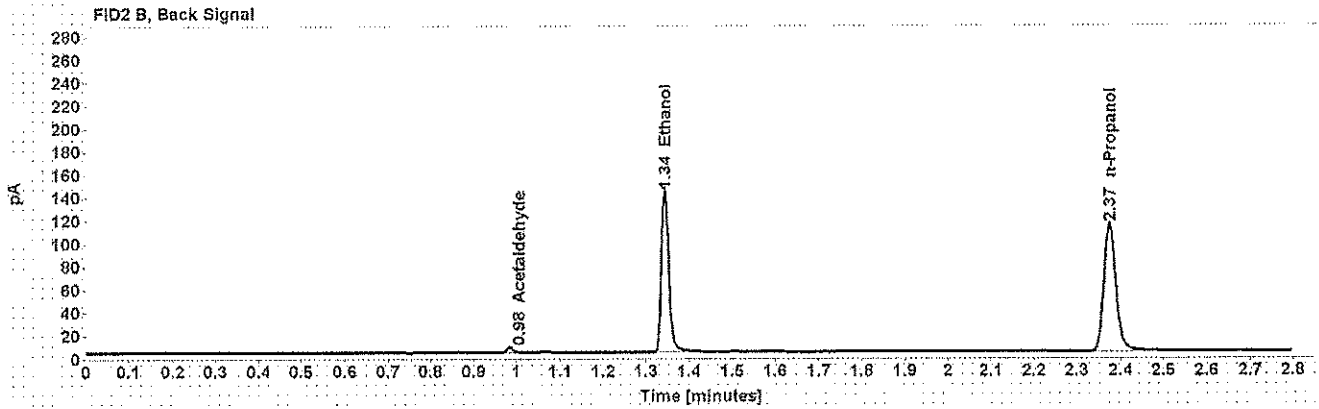
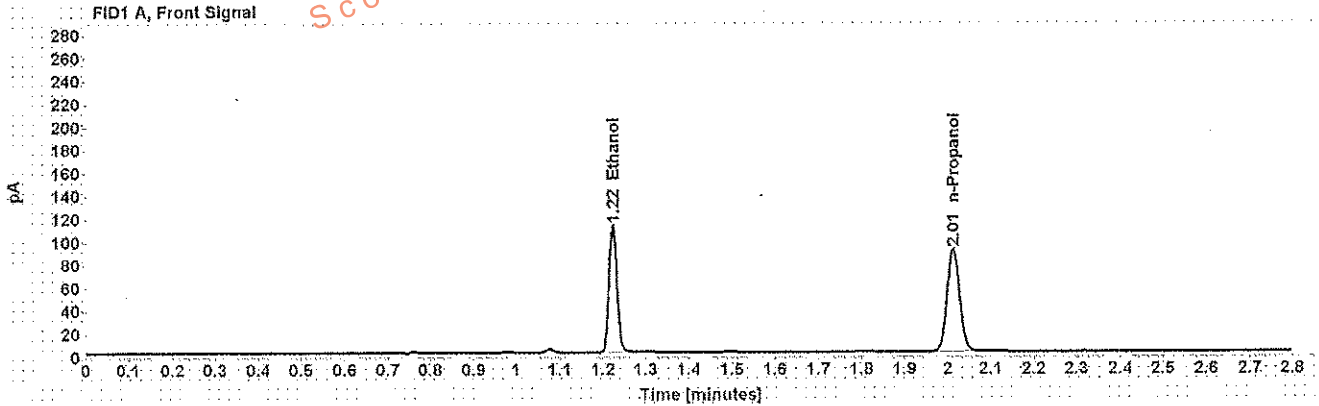


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2149	1.223	142.559
n-Propanol	-----	2.012	182.385

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.964
Ethanol	1.344	169.291
n-Propanol	2.375	214.710

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	339-01A
Injection date:	4/12/2018 12:28:42 PM	Vial:	17
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\12Apr18\17.D		

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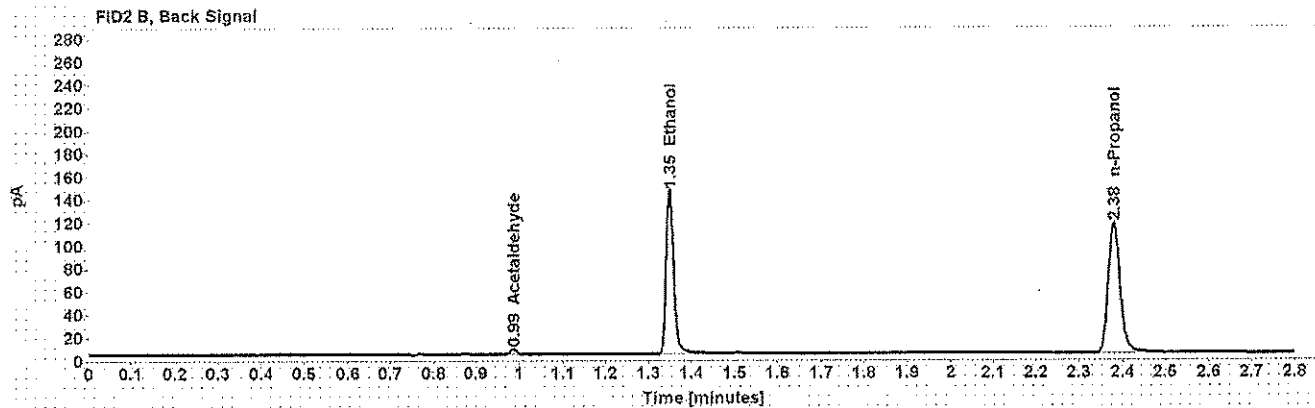
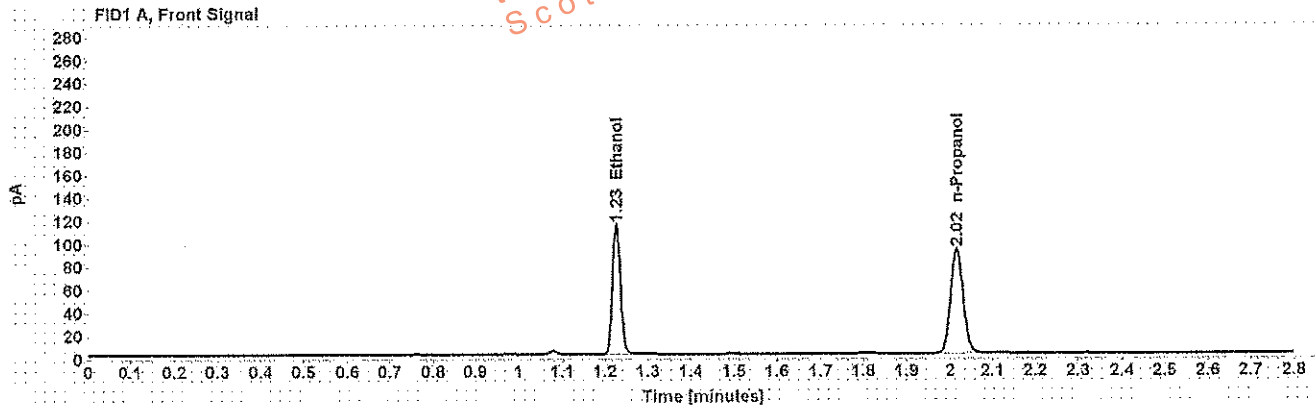


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2175	1.227	146.469
n-Propanol	-----	2.016	185.157

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	3.973
Ethanol	1.349	174.164
n-Propanol	2.380	217.805

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 288-01A
<b>Injection date:</b> 4/12/2018 12:32:41 PM	<b>Vial:</b> 18
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem3211\Data\12Apr18\18.D	

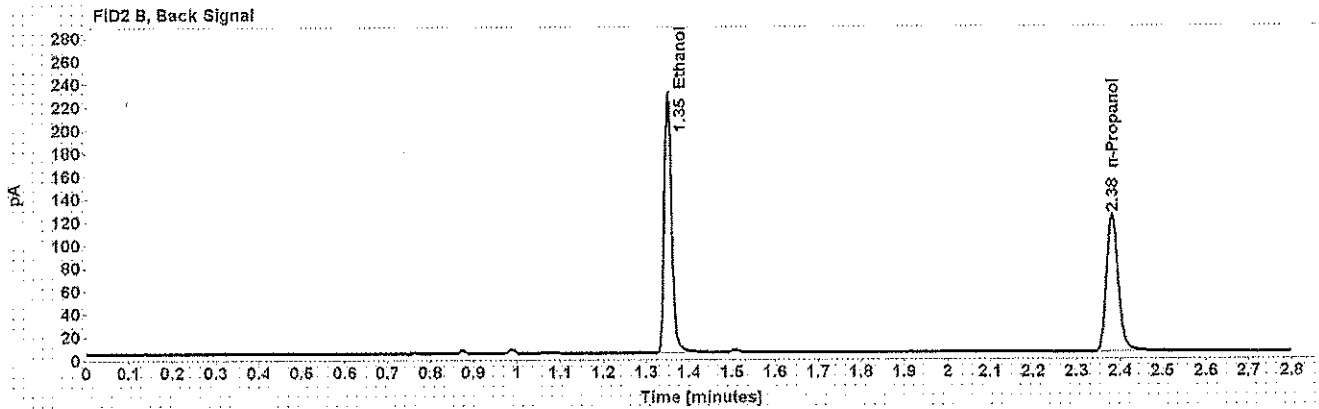
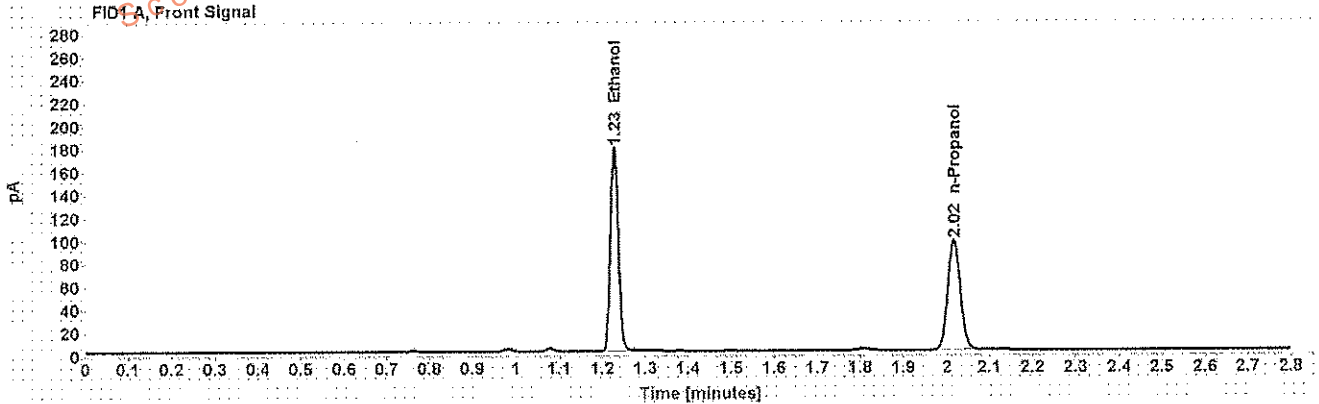


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3262	1.227	231.766
n-Propanol	-----	2.017	195.031

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

Compound	Time (min)	Peak Area
Ethanol	1.351	276.783
n-Propanol	2.382	226.609

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 288-01A
<b>Injection date:</b> 4/12/2018 12:36:56 PM	<b>Vial:</b> 19
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem321\Dat\12Apr18\19.D	

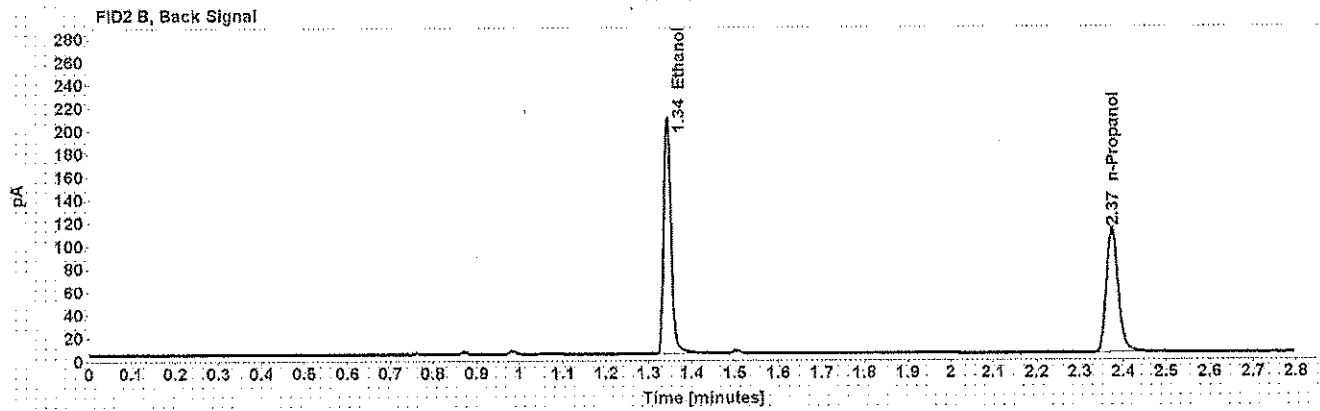
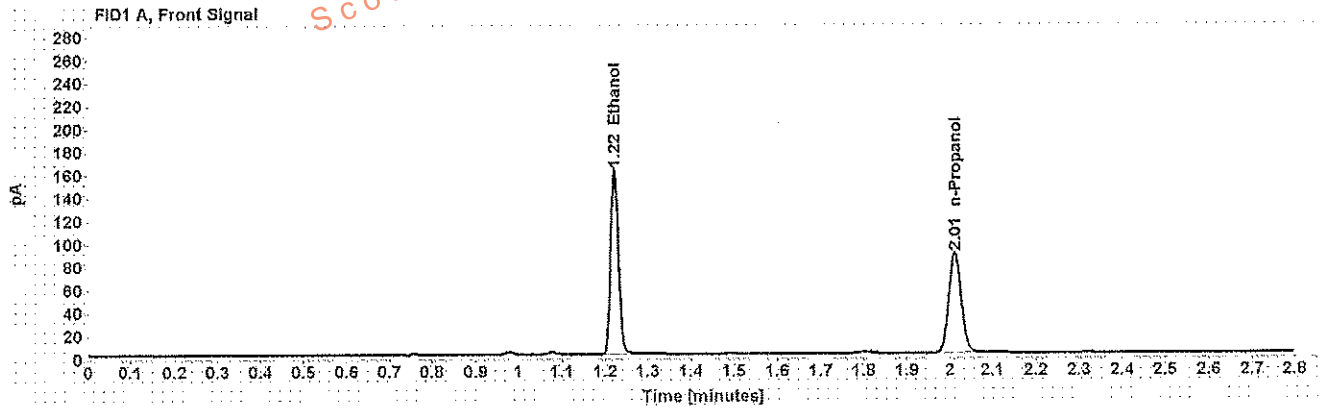


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3182	1.222	206.525
n-Propanol	-----	2.012	178.177

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

Compound	Time (min)	Peak Area
Ethanol	1.343	246.325
n-Propanol	2.374	206.665

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	135-01A
Injection date:	4/12/2018 12:44:56 PM	Vial:	21
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\12Apr18\21.D		

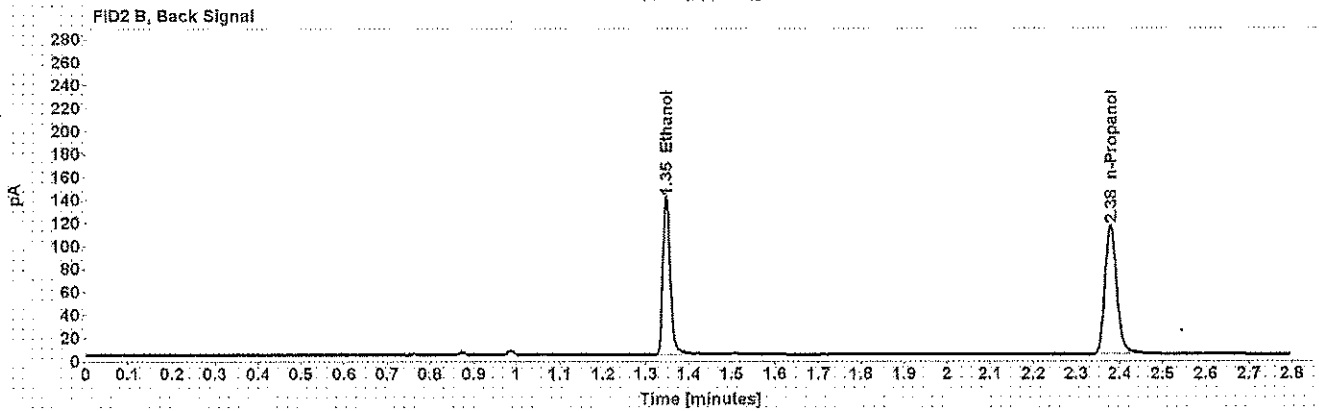
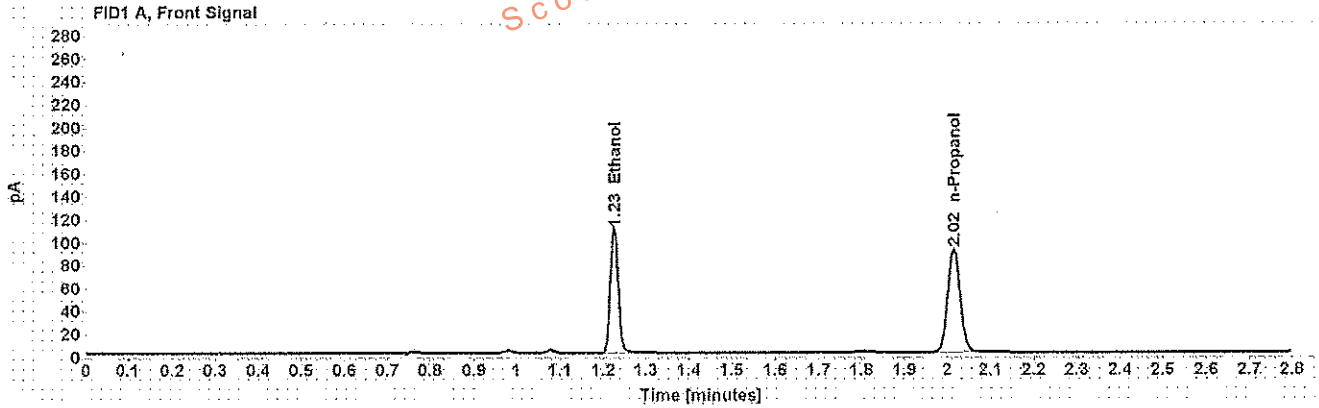


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2104	1.226	140.494
n-Propanol	-----	2.015	183.640

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

Compound	Time (min)	Peak Area
Ethanol	1.348	166.922
n-Propanol	2.379	216.389

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 135-01A
Injection date: 4/12/2018 12:48:56 PM	Vial: 22
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\22.D	

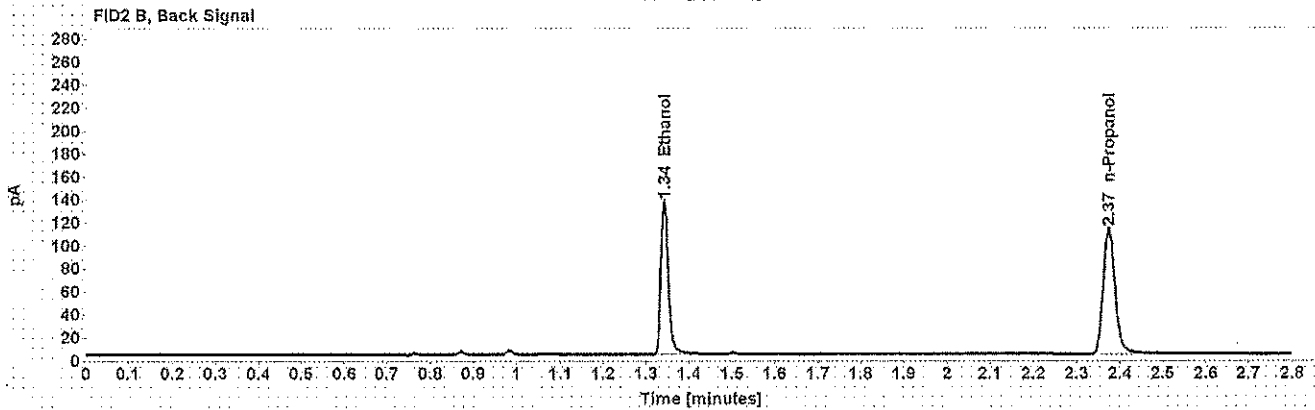
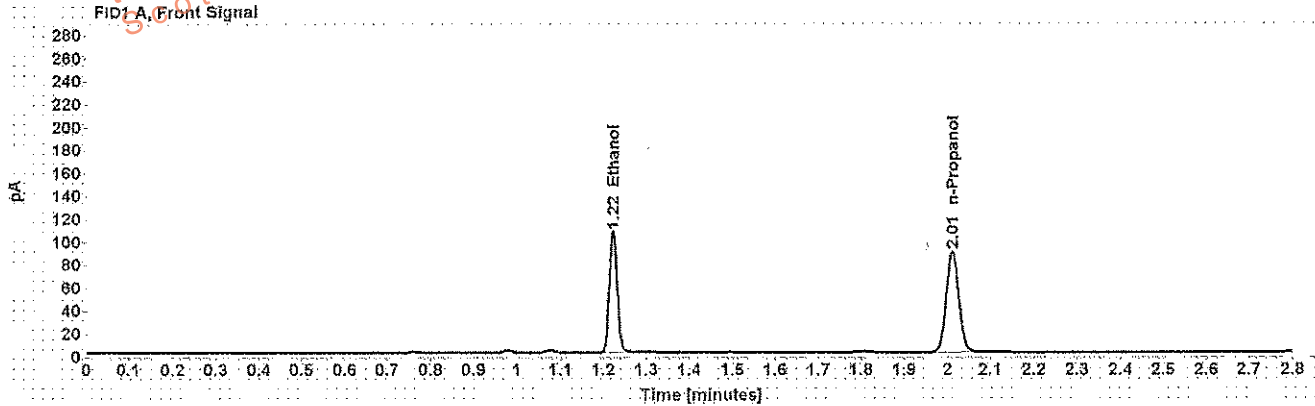


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2082	1.222	135.966
n-Propanol	-----	2.012	179.551

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

Compound	Time (min)	Peak Area
Ethanol	1.343	161.673
n-Propanol	2.374	211.601

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1208737
Injection date: 4/12/2018 12:52:56 PM	Vial: 23
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1Data\12Apr18\23.D	

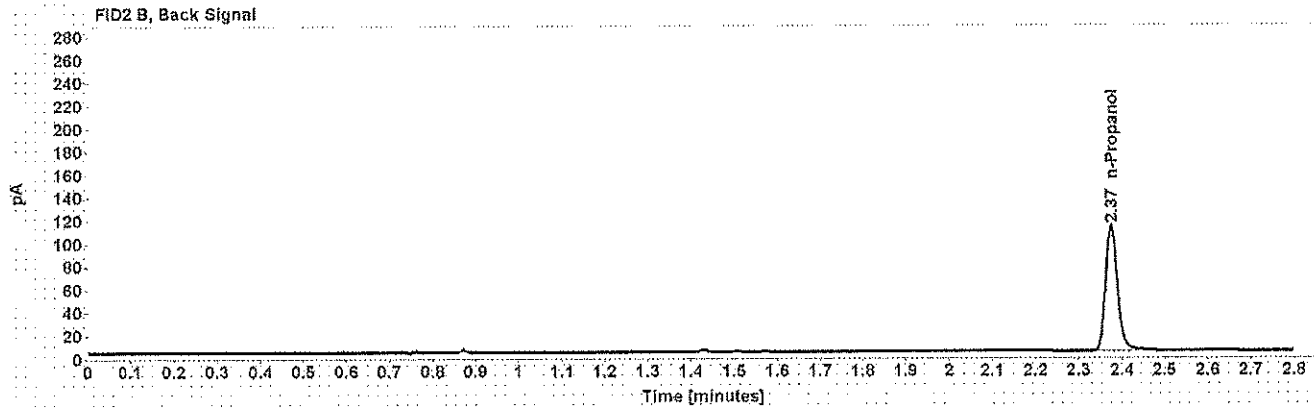
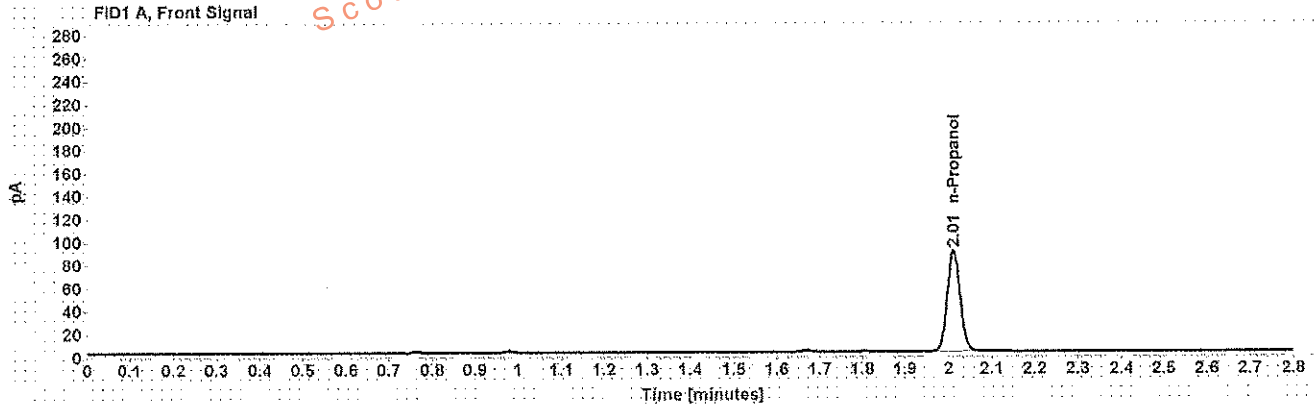


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	179.698

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	210.689



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1208737
Injection date:	4/12/2018 12:56:57 PM	Vial:	24
Method:	ethanol quant.M	Sequence:	12Apr18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\12Apr18\24.D		

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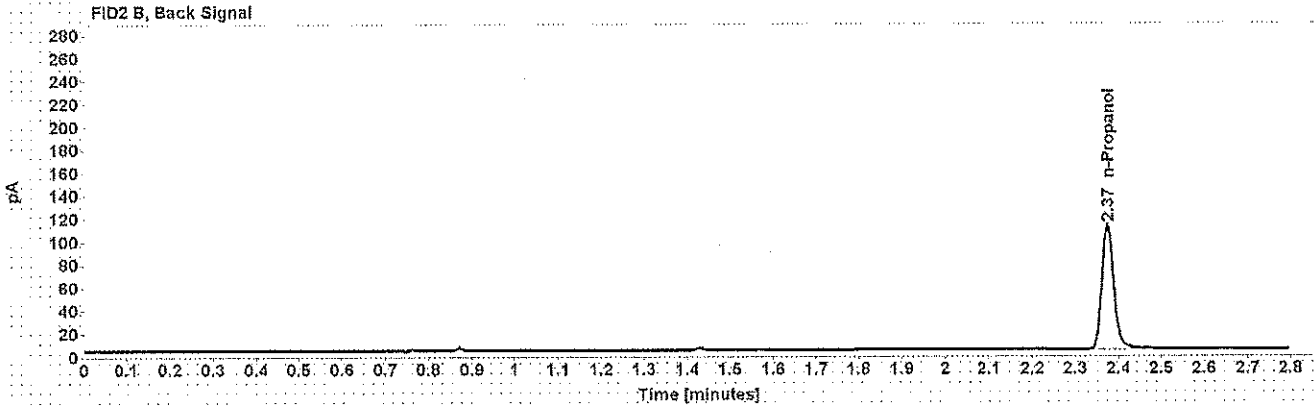
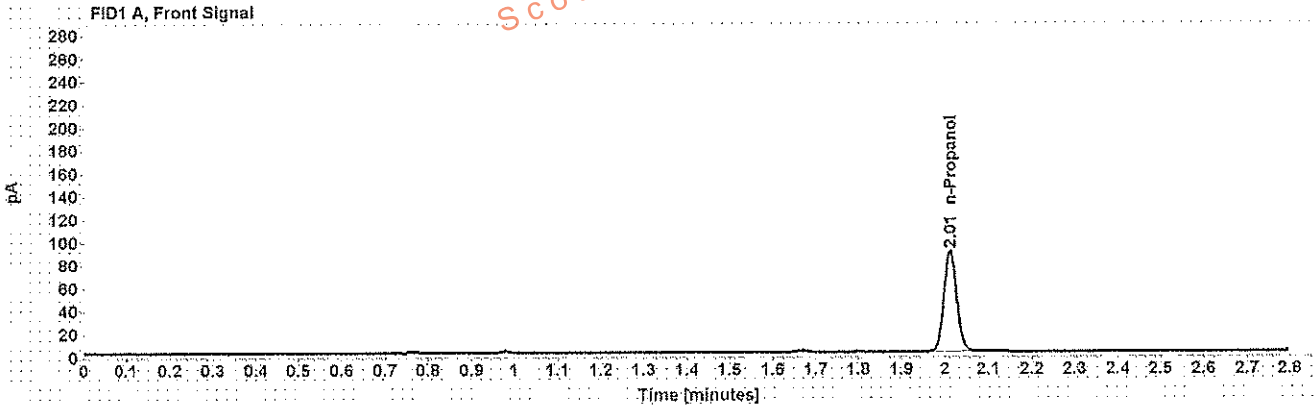


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	178.833

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

Compound	Time (min)	Peak Area
n-Propanol	2.374	209.790

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1205044
Injection date: 4/12/2018 1:01:11 PM	Vial: 25
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\25.D	

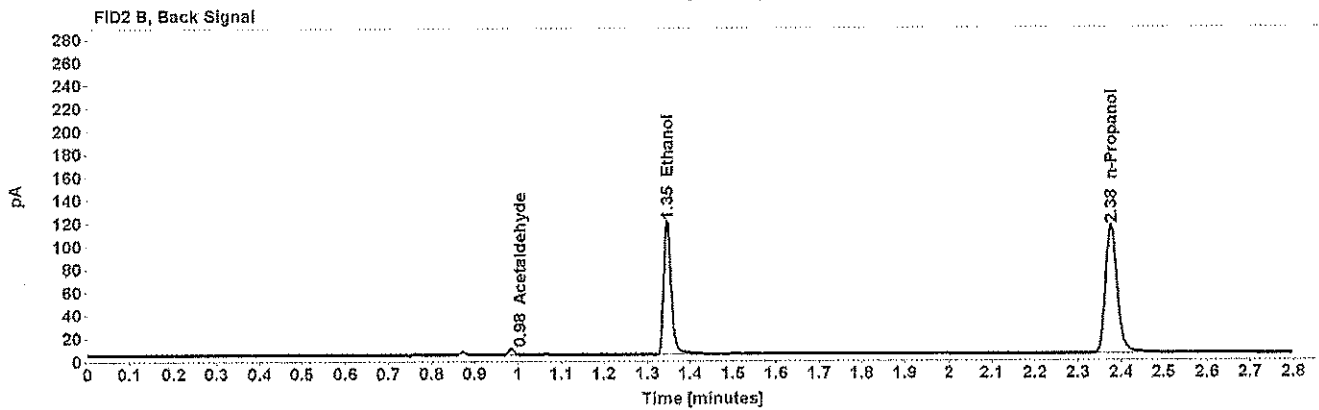
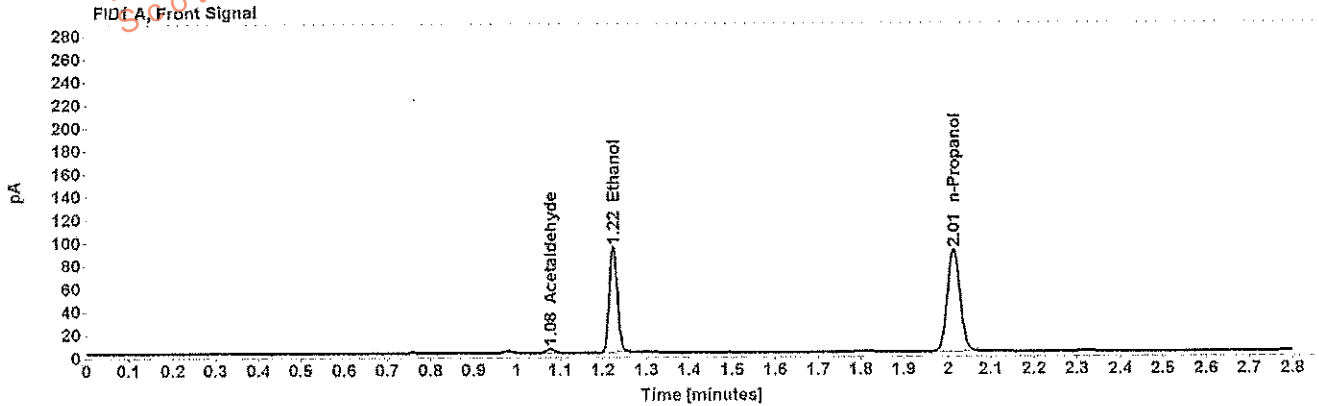


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.803
>Ethanol	0.1793	1.224	118.617
n-Propanol	-----	2.014	182.046

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	4.745
Ethanol	1.346	140.739
n-Propanol	2.376	214.632

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1205044
Injection date: 4/12/2018 1:05:12 PM	Vial: 26
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023-CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\26.D	

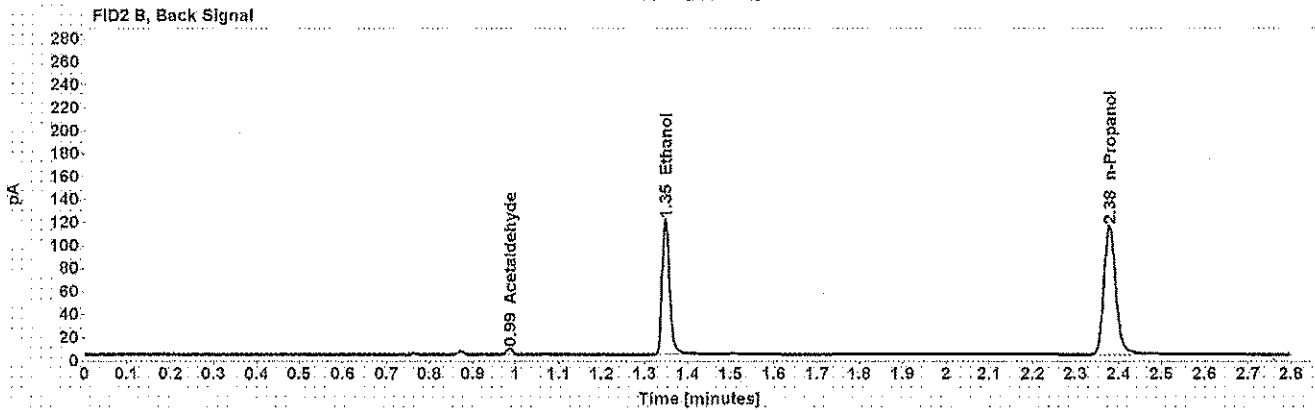
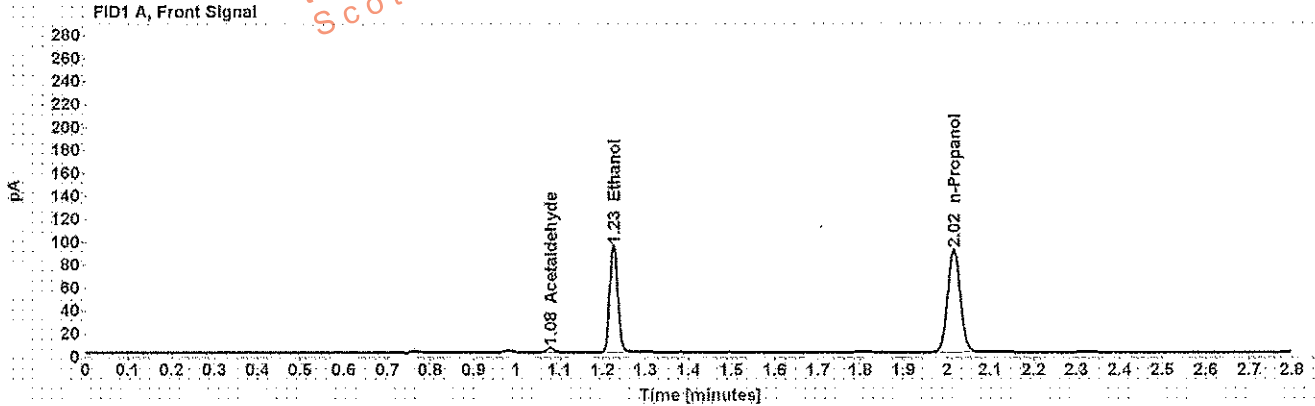


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.079	3.889
>Ethanol	0.1807	1.226	120.255
n-Propanol	-----	2.015	183.083

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	4.898
Ethanol	1.348	142.863
n-Propanol	2.379	215.887

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1204046
Injection date: 4/12/2018 1:09:11 PM	Vial: 27
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\27.D	

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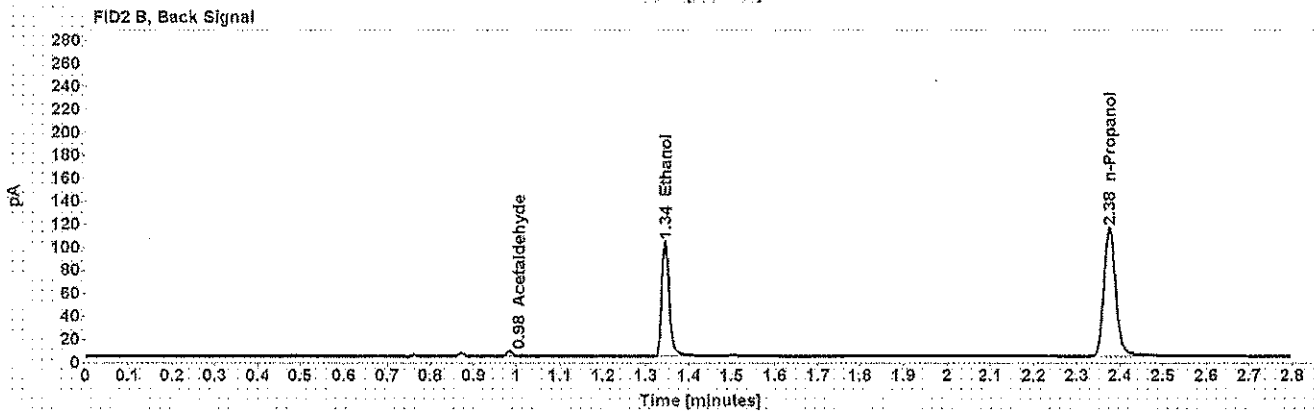
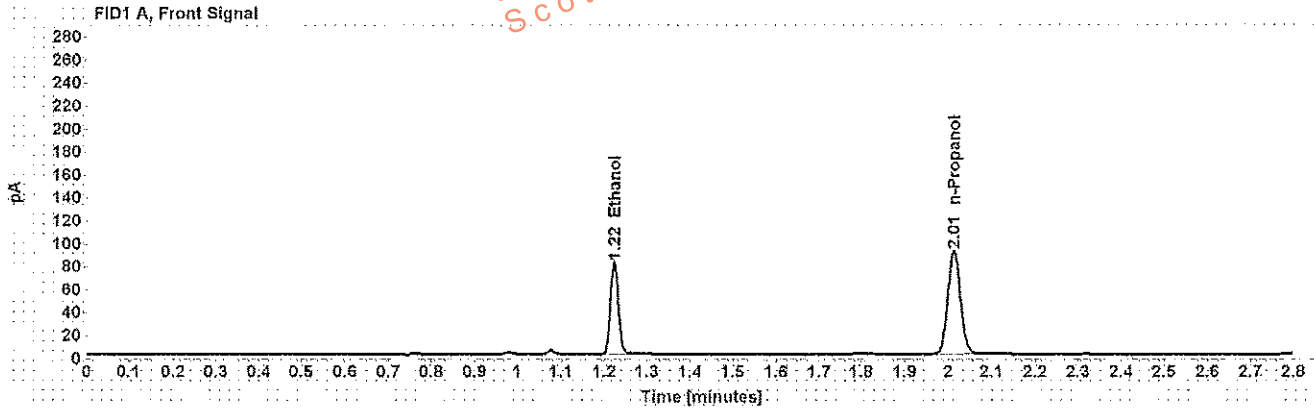


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1545	1.223	102.836
n-Propanol	-----	2.013	183.365

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.105
Ethanol	1.344	122.074
n-Propanol	2.375	216.080

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1204046
Injection date: 4/12/2018 1:13:11 PM	Vial: 28
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\12Apr18\28.D	

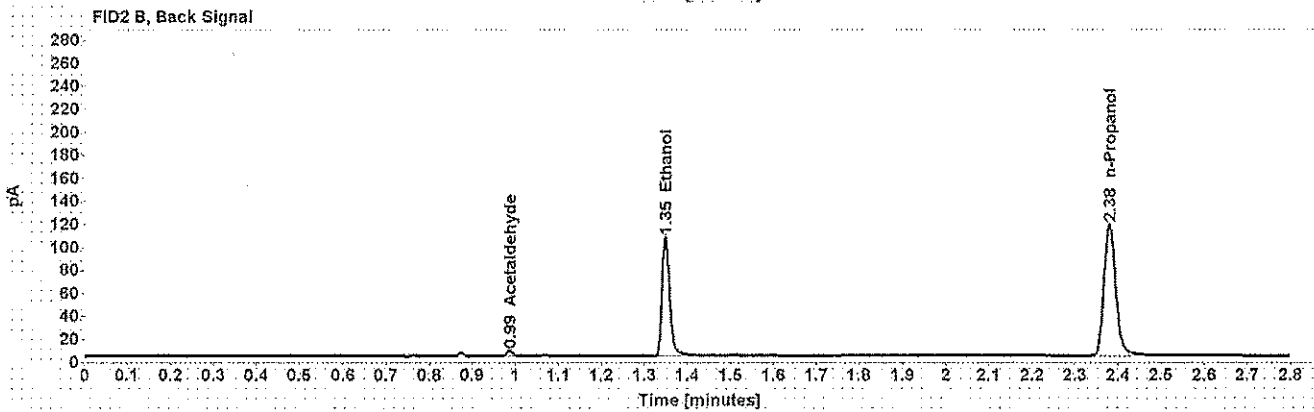
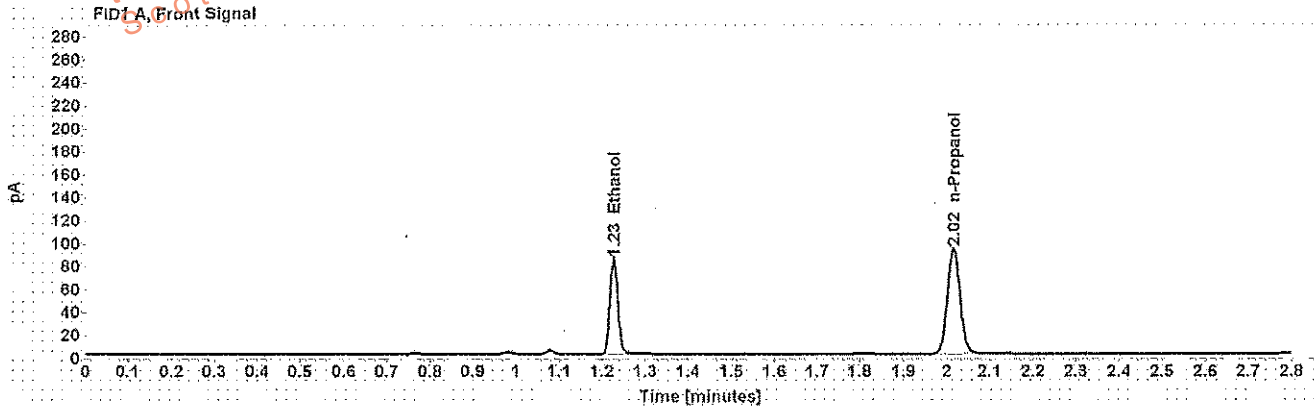


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1579	1.227	107.540
n-Propanol	-----	2.016	187.512

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	4.235
Ethanol	1.350	127.740
n-Propanol	2.380	221.122

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1204376
Injection date: 4/12/2018 1:17:11 PM	Vial: 29
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\12Apr18\29.D	

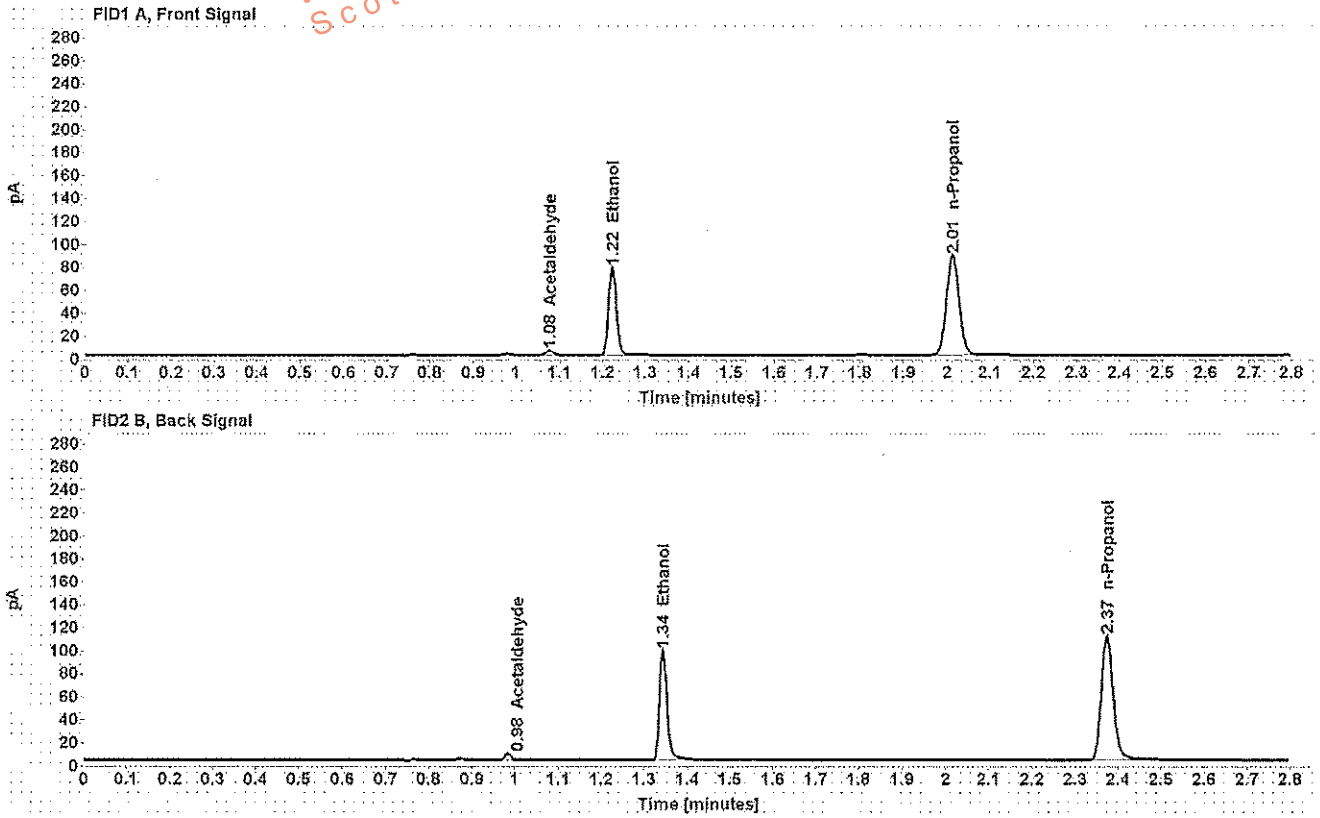


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.185
>Ethanol	0.1521	1.223	97.773
n-Propanol	-----	2.012	177.083

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.233
Ethanol	1.343	115.941
n-Propanol	2.374	208.577

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1204376
Injection date: 4/12/2018 1:21:11 PM	Vial: 30
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\12Apr18\130.D	

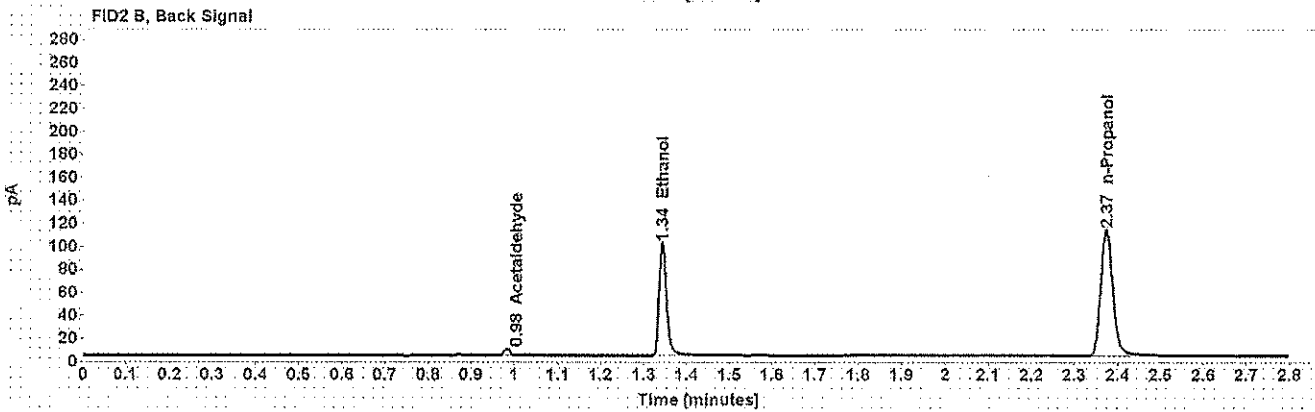
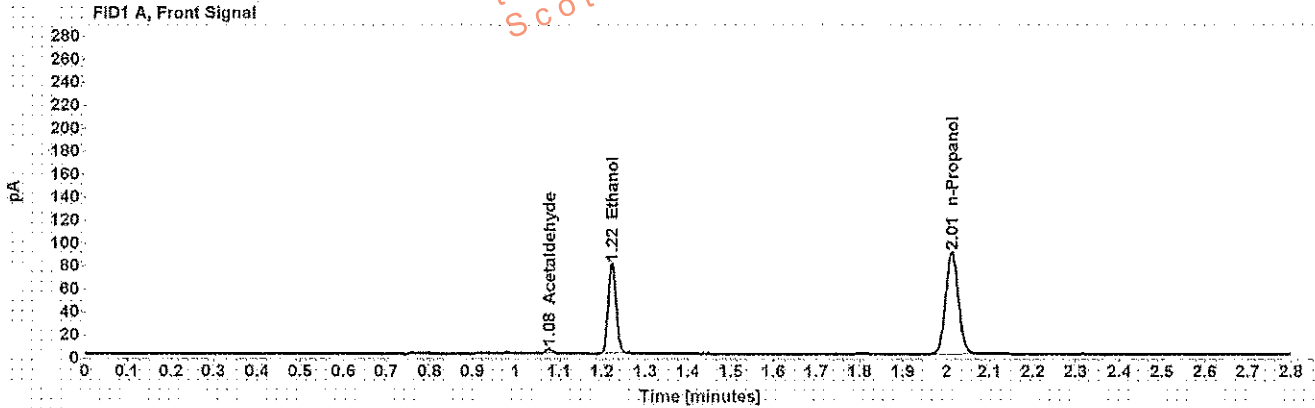


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.285
>Ethanol	0.1533	1.223	100.518
n-Propanol	-----	2.012	180.583

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.370
Ethanol	1.343	119.321
n-Propanol	2.374	212.907

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1205256
<b>Injection date:</b> 4/12/2018 1:29:26 PM	<b>Vial:</b> 32
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12Apr18
<b>Instrument:</b> US14173023 CN14160046	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\12Apr18\32.D	

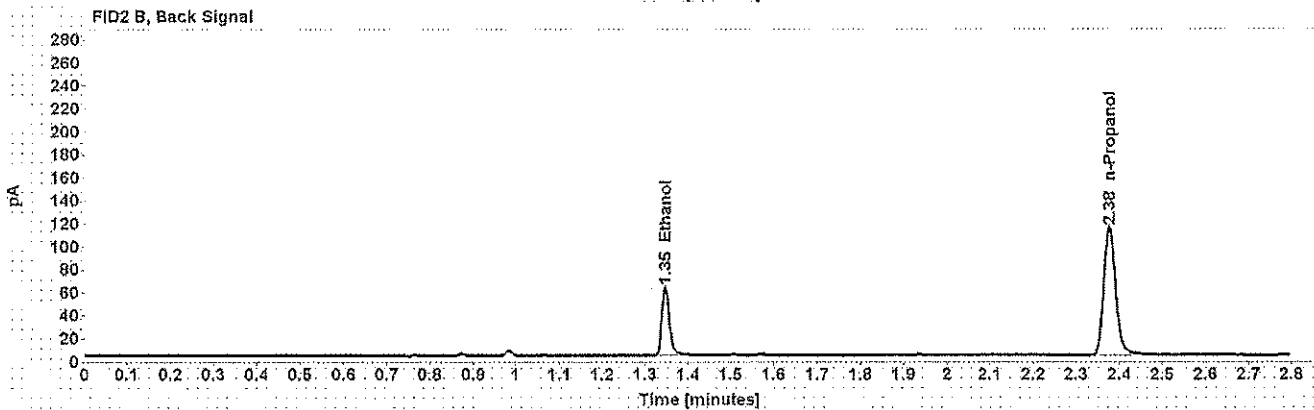
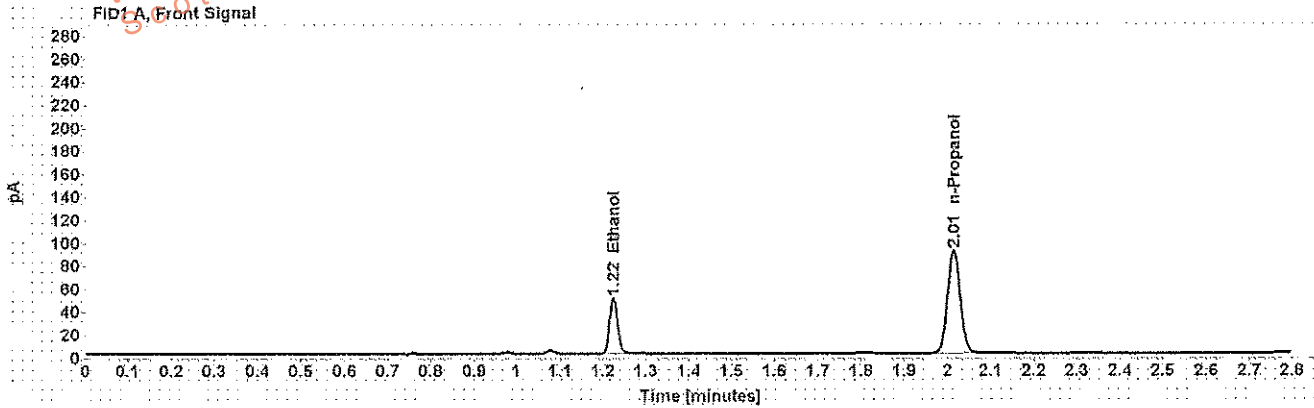


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0943	1.225	62.228
n-Propanol	-----	2.014	182.413

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

Compound	Time (min)	Peak Area
Ethanol	1.347	72.833
n-Propanol	2.377	215.387



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1205256
Injection date: 4/12/2018 1:33:27 PM	Vial: 33
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\33.D	

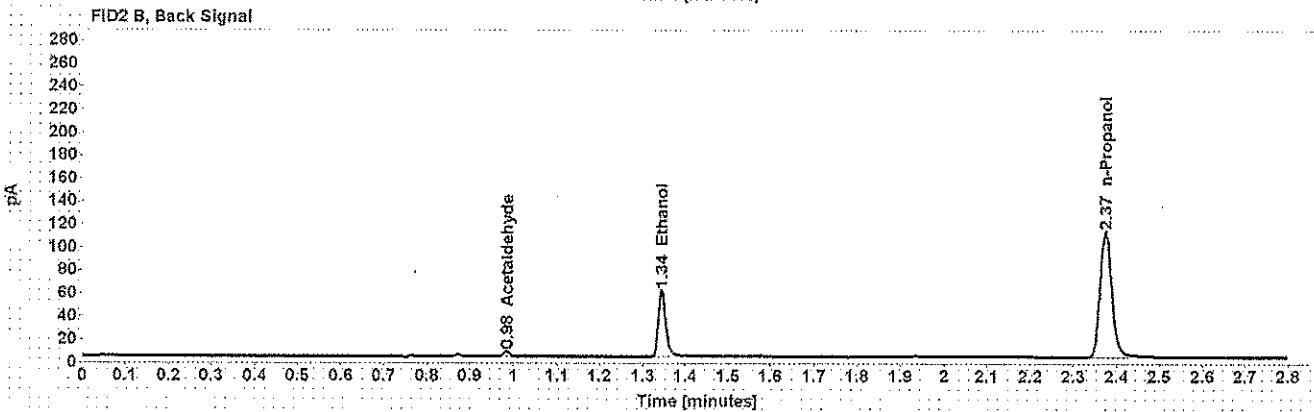
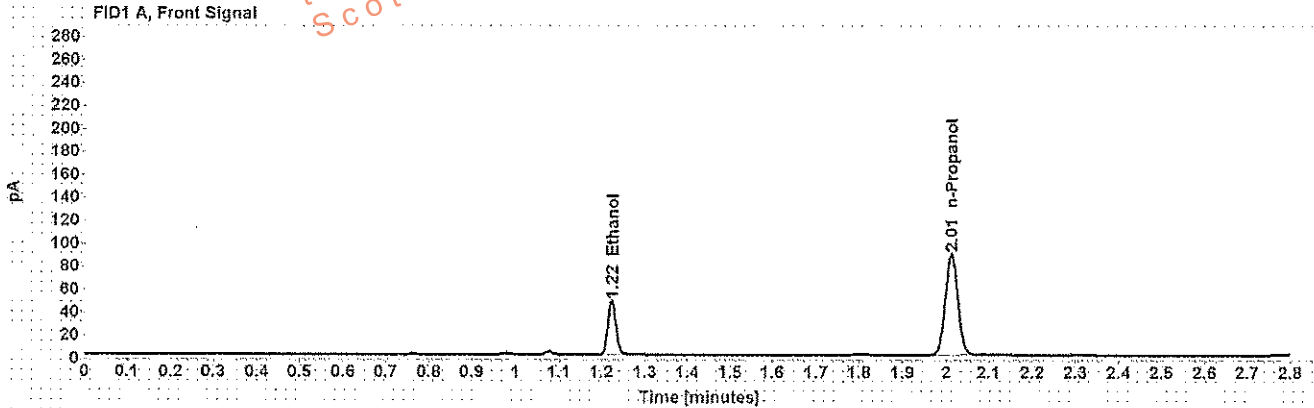


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0931	1.223	60.306
n-Propanol	-----	2.012	179.081

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.794
Ethanol	1.344	70.923
n-Propanol	2.375	211.693

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 4188209
Injection date: 4/12/2018 1:37:27 PM	Vial: 34
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\12Apr18\34.D	

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Scottsdale City Prosecutor

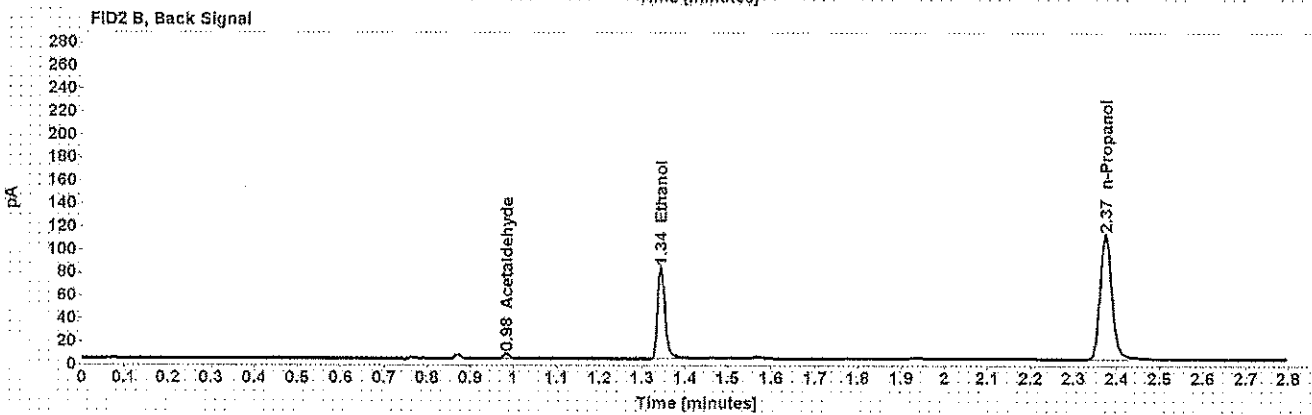
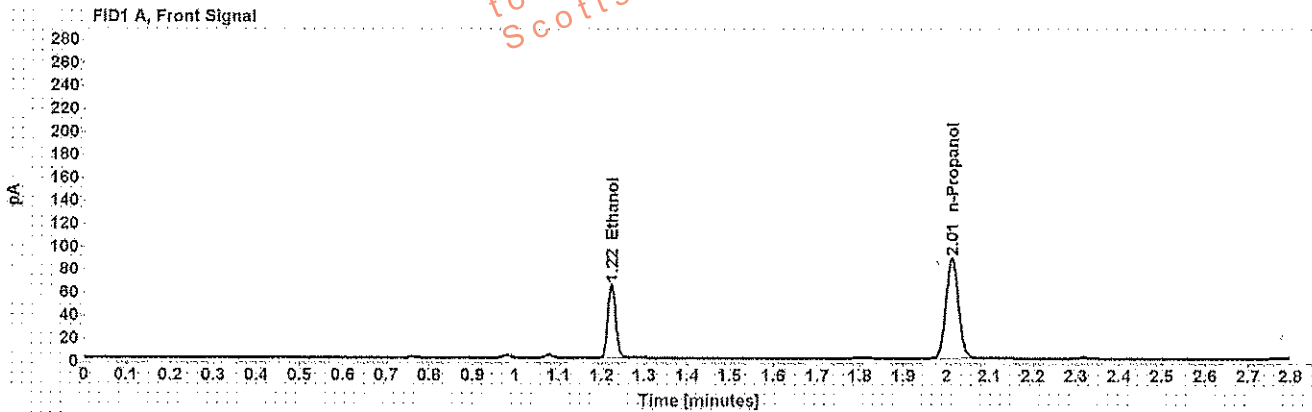


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1277	1.223	82.386
n-Propanol	-----	2.012	177.882

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.854
Ethanol	1.344	96.866
n-Propanol	2.374	210.223

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1188209
Injection date: 4/12/2018 1:41:27 PM	Vial: 35
Method: ethanol quant.M	Sequence: 12Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\12Apr18\35.D	

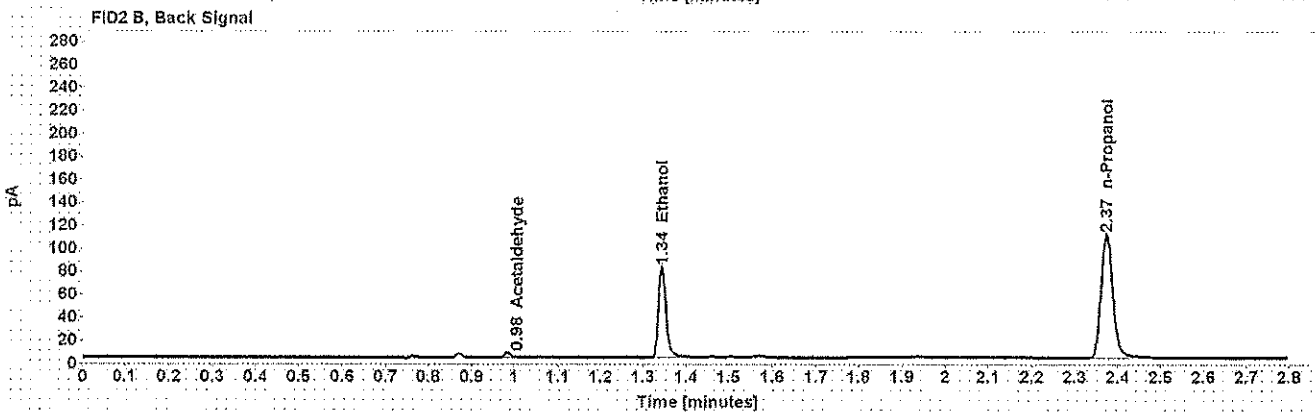
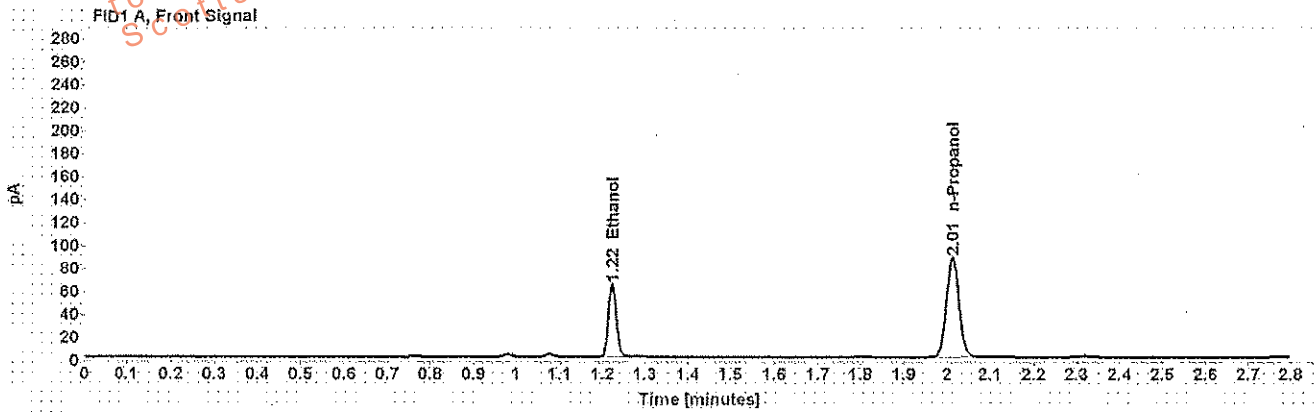


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1277	1.223	81.456
n-Propanol	-----	2.012	175.996

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.792
Ethanol	1.343	96.082
n-Propanol	2.374	208.173