

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 2/22/2018 SEQUENCE NAME 22Feb18

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 ²) <u>0.99988</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 010318
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 28082014-B
29	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 08012015-C
30	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 09022015-A
31	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/3
32	Blank	Not detected	Not detected	SPD lab 010318

SUBJECT SAMPLES

Subjects in the sequence 9 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid
WAB1570 2/26/18
 Analyst

Run valid Run invalid
KOSECKI 2/27/18
 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

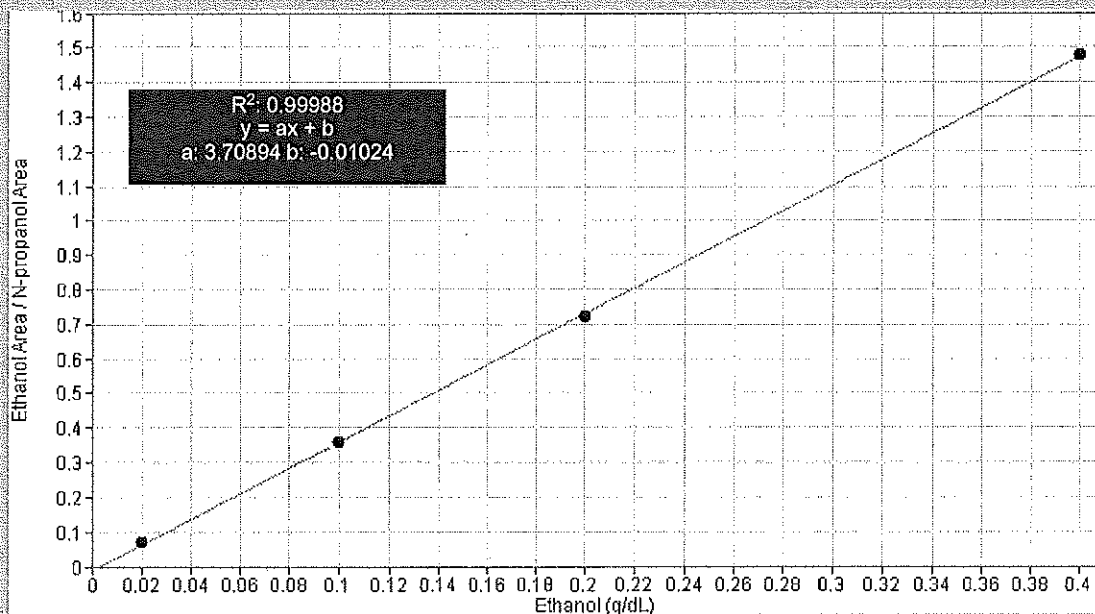
SEQUENCE NAME: 22Feb18

ANALYST: Adrian

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	0.399	0.400	0.25	-0.001
0.040 Lipomed 09022015-A	8	0.041	0.040	2.50	0.001
0.198 ACQ 407041529/3	9	0.198	0.198	0.00	0.000
0.080 Lipomed 28082014-B	20	0.081	0.080	1.25	0.001
0.40 Lipomed 08012015-C	29	0.400	0.400	0.00	0.000
0.04 Lipomed 09022015-A	30	0.041	0.040	2.50	0.001
0.198 ACQ 407041529/3	31	0.199	0.198	0.51	0.001
blank 010318	32	negative	negative	-	-

Callibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.293	176.466	0.070
0.100	61.804	172.039	0.359
0.200	126.643	175.210	0.723
0.400	261.597	177.021	1.478

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

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

WA

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 2/22/2018 8:56:23 AM	Vial: 1
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\1.D	

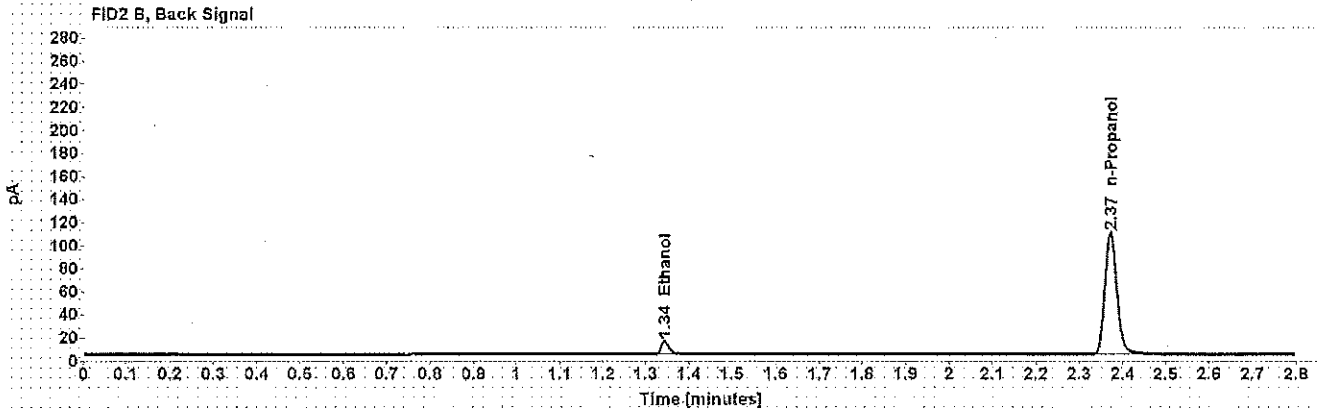
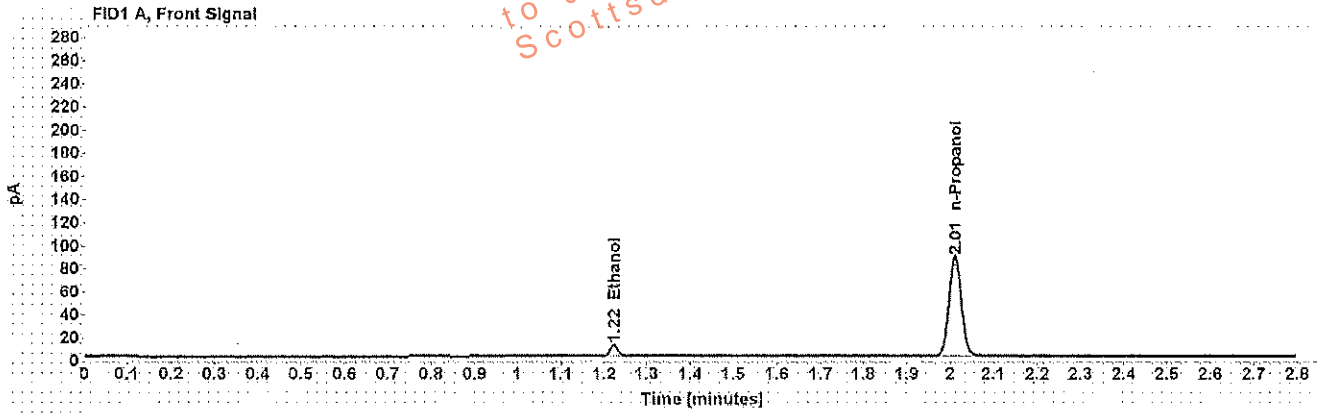


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	12.293
n-Propanol	2.011	176.466

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

Compound	Time (min)	Peak Area
Ethanol	1.344	14.181
n-Propanol	2.372	204.760

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 Cerilliant FN06181501	Item number:
Injection date: 2/22/2018 9:00:23 AM	Vial: 2
Method: ethanol quant M	Sequence: 22Feb18
Instrument: US14173023 QN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\2.D	

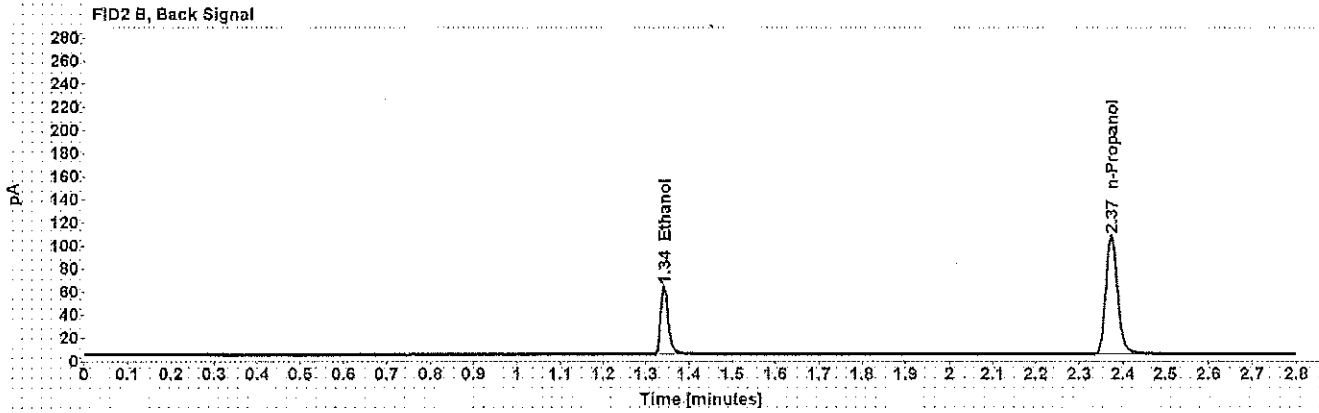
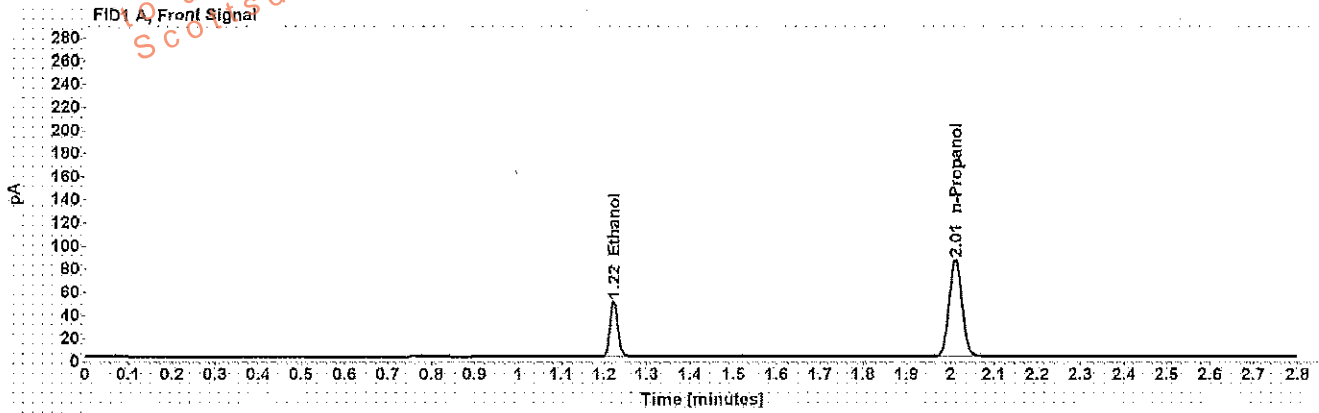


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	61.804
n-Propanol	2.011	172.039

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

Compound	Time (min)	Peak Area
Ethanol	1.342	73.022
n-Propanol	2.373	199.212

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 2/22/2018 9:04:23 AM	Vial: 3
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\22Feb18\3.D	

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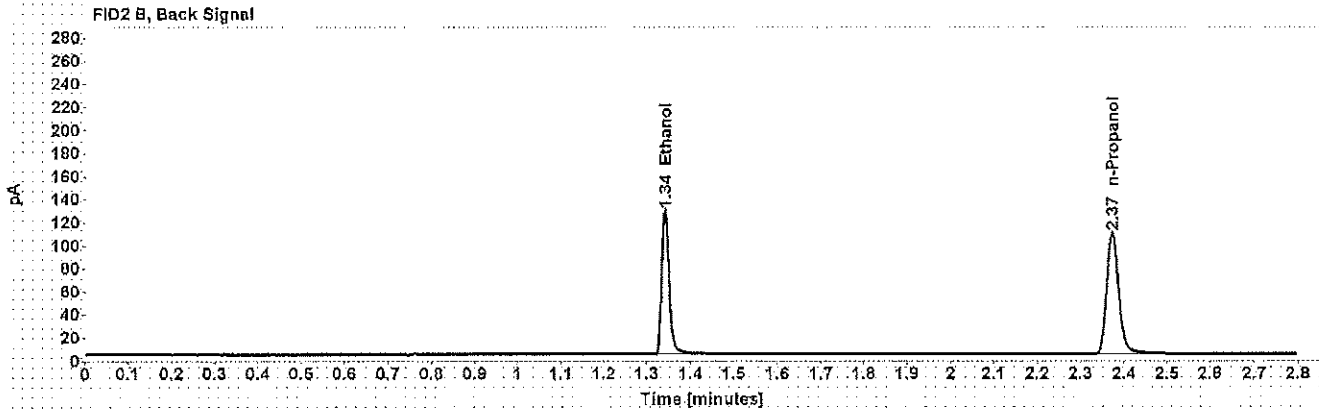
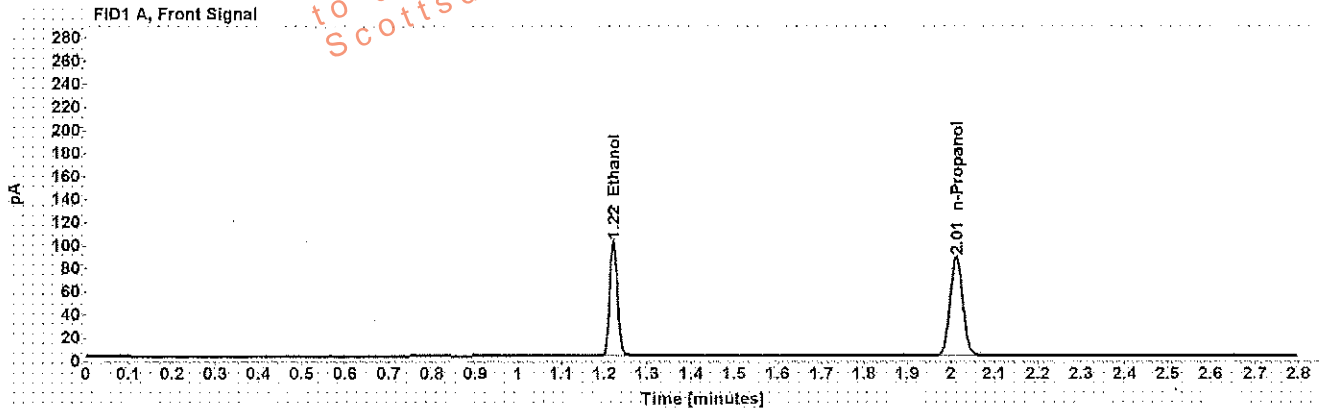


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	126.643
n-Propanol	2.011	175.210

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

Compound	Time (min)	Peak Area
Ethanol	1.342	150.406
n-Propanol	2.373	203.059

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 2/22/2018 9:08:23 AM	Vial: 4
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\4.D	

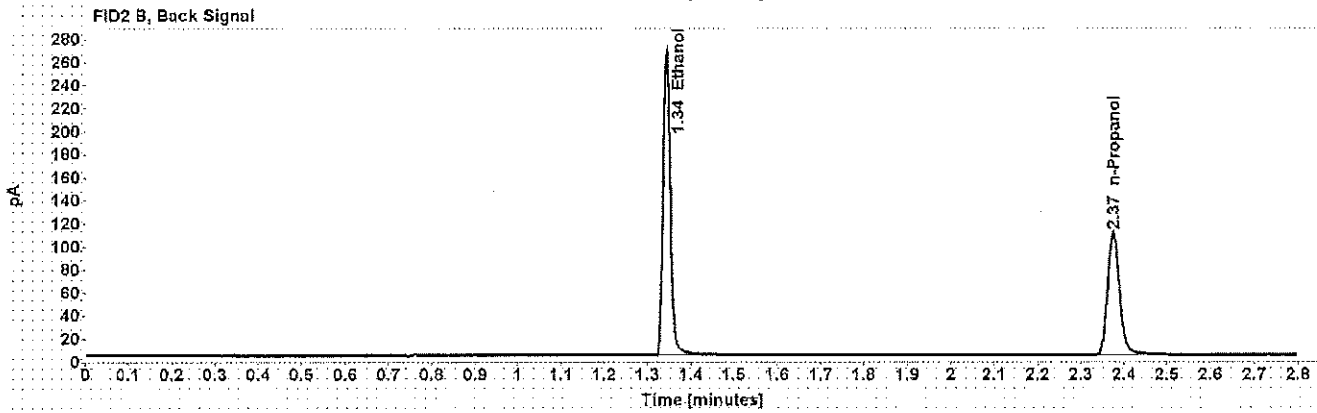
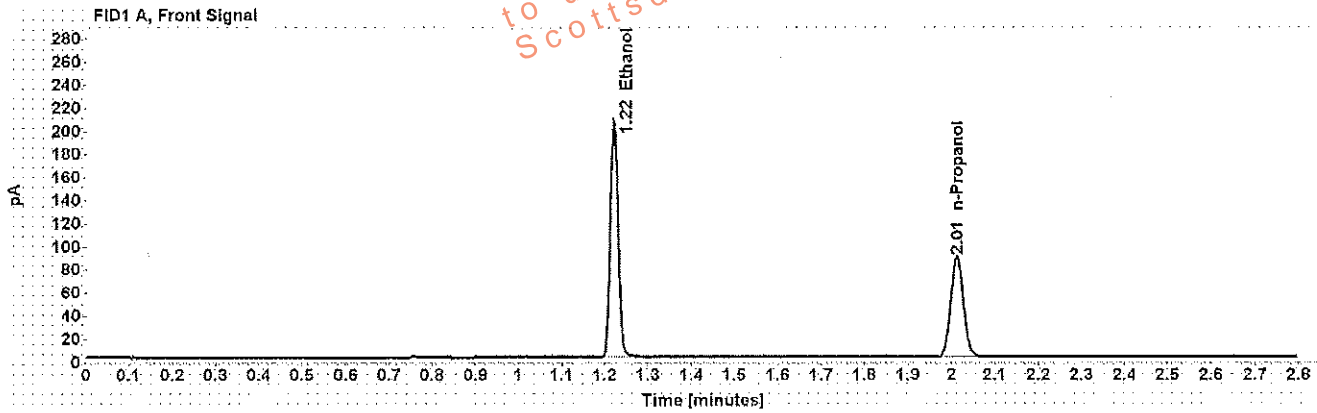


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	261.597
n-Propanol	2.012	177.021

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

Compound	Time (min)	Peak Area
Ethanol	1.343	313.176
n-Propanol	2.375	205.625

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: blank 010318	Item number:
Injection date: 2/22/2018 9:12:23 AM	Vial: 5
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 QN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\22Feb18\5.D	

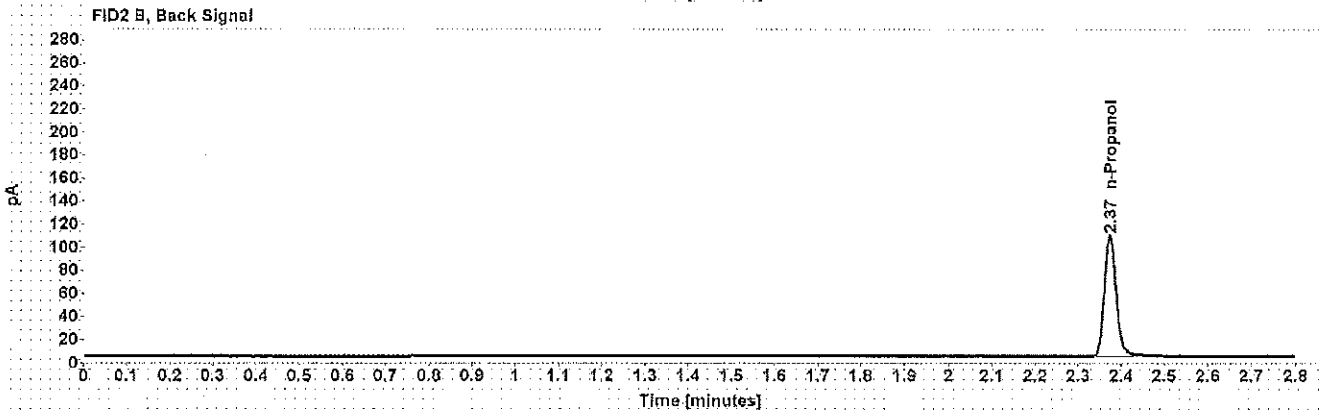
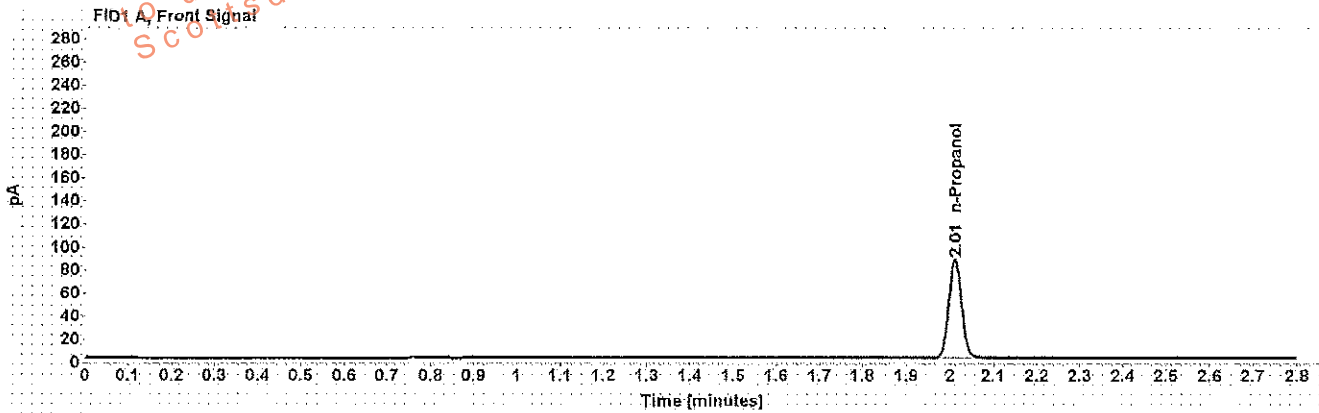


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	175.005

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

Compound	Time (min)	Peak Area
n-Propanol	2.373	202.360

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 020917 WLA	Item number: _____
Injection date: 2/22/2018 9:16:23 AM	Vial: 6
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\6.D	

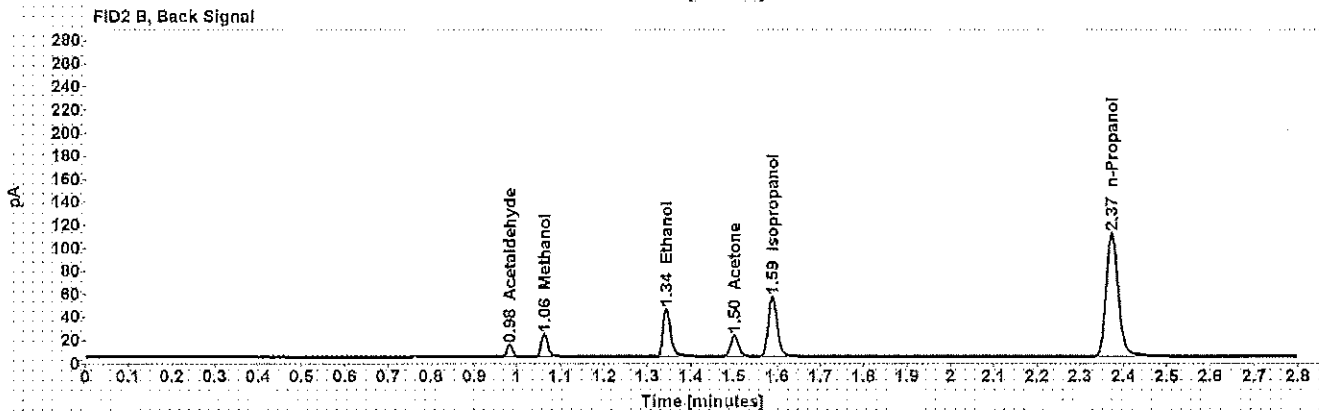
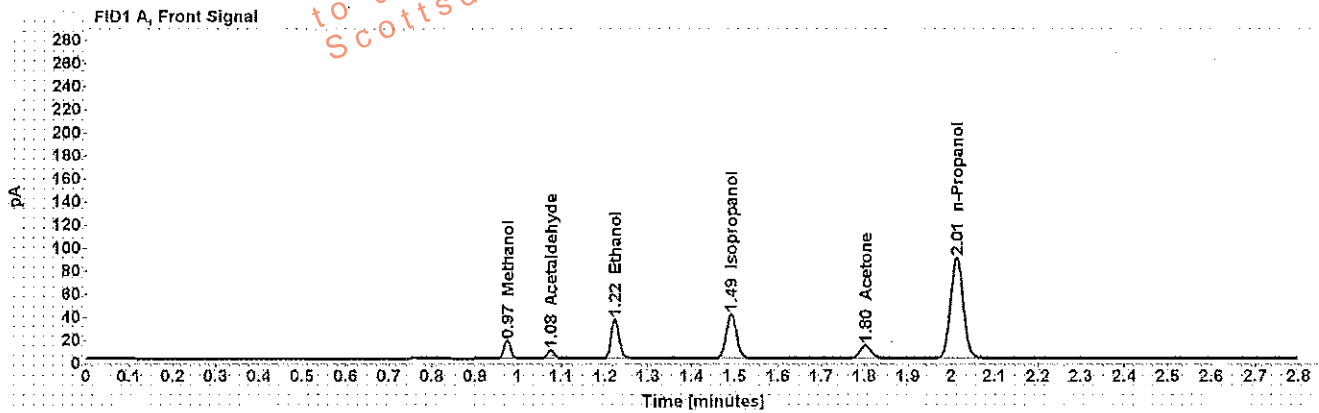


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.975	17.238
Acetaldehyde	-----	1.076	7.556
>Ethanol	0.0689	1.223	43.750
Isopropanol	-----	1.492	62.830
Acetone	-----	1.802	19.640
n-Propanol	-----	2.012	178.462

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	9.449
Methanol	1.063	20.631
Ethanol	1.344	51.186
Acetone	1.501	22.450
Isopropanol	1.589	75.397
n-Propanol	2.374	207.029

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 2/22/2018 9:20:38 AM	Vial: 7
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\7.D	

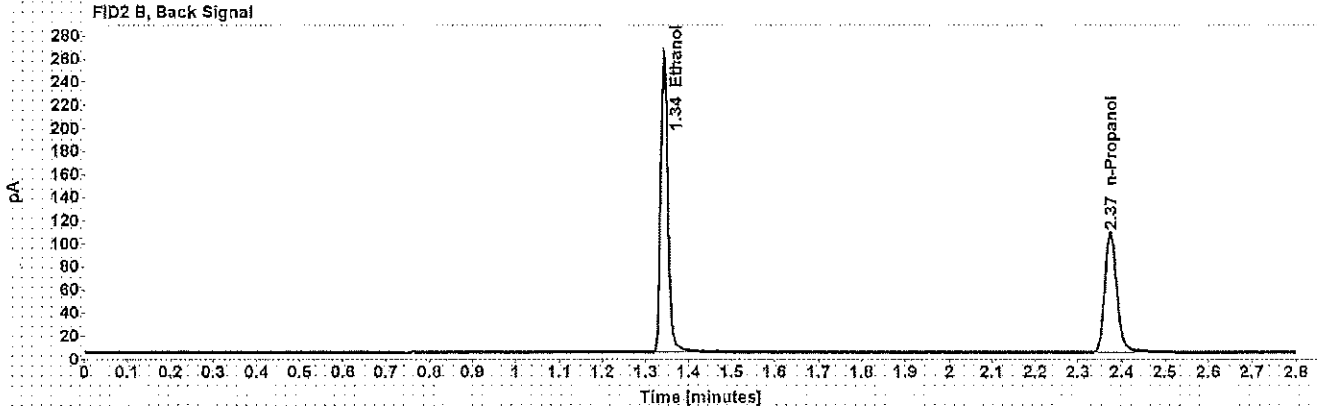
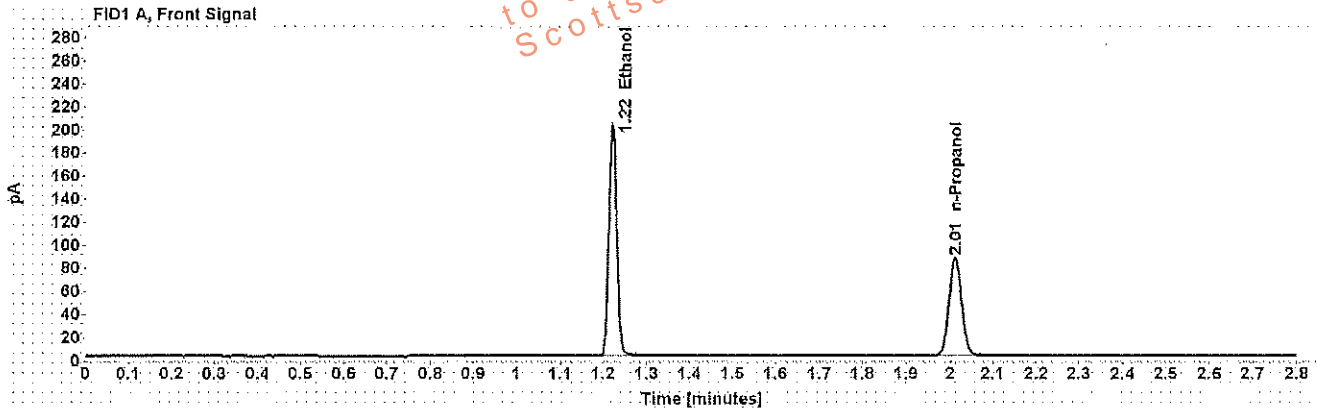


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3993	1.222	255.649
n-Propanol	-----	2.012	173.816

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

Compound	Time (min)	Peak Area
Ethanol	1.342	305.629
n-Propanol	2.374	201.587

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.040 Lipomed 09022015-A	Item number:
Injection date: 2/22/2018 9:24:38 AM	Vial: 8
Method: ethanol quant M	Sequence: 22Feb18
Instrument: US14173023 QN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\8.D	

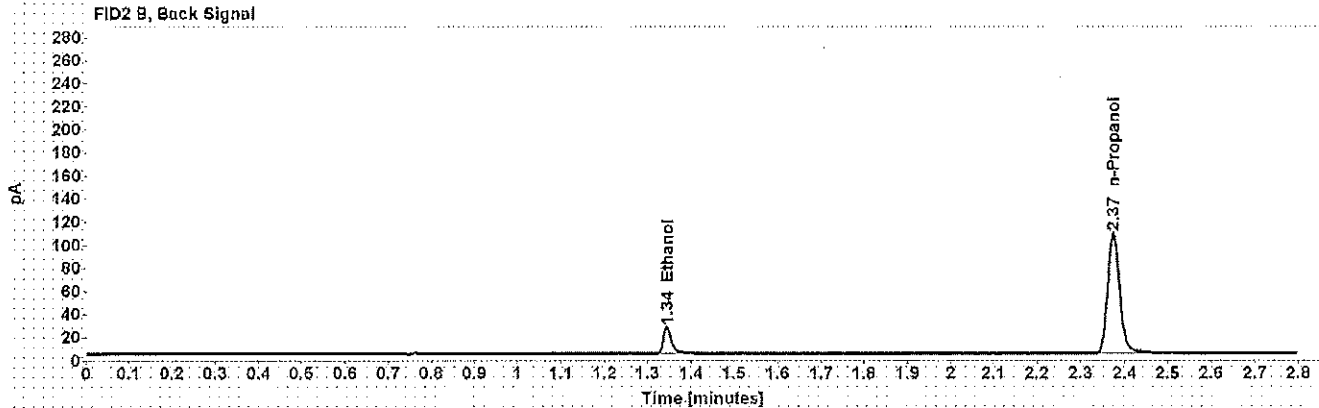
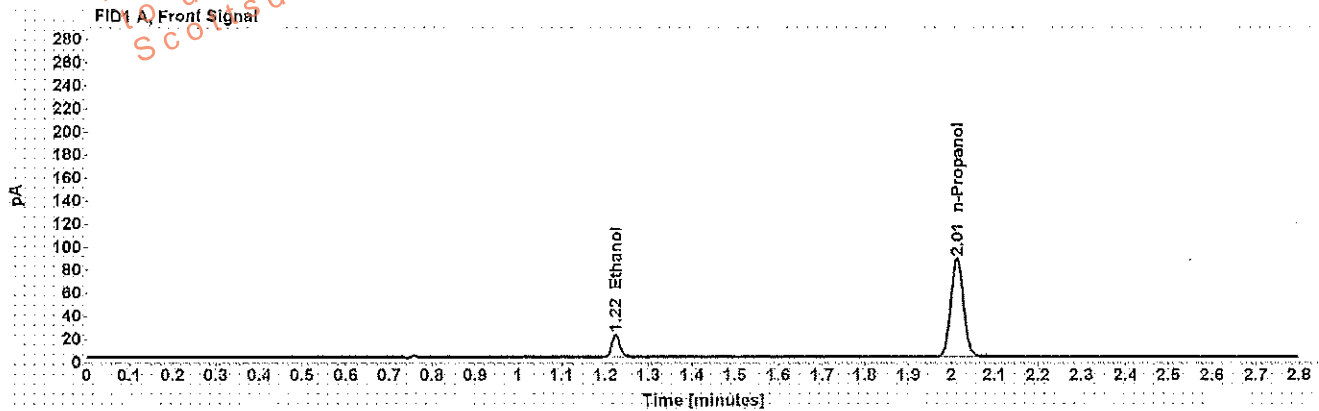


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.223	24.827
n-Propanol	-----	2.012	174.469

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

Compound	Time (min)	Peak Area
Ethanol	1.345	28.879
n-Propanol	2.374	201.751

Scottsdale Police Department Crime Lab Volatiles Analysis

WAA

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 2/22/2018 9:28:38 AM	Vial: 9
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\9.D	

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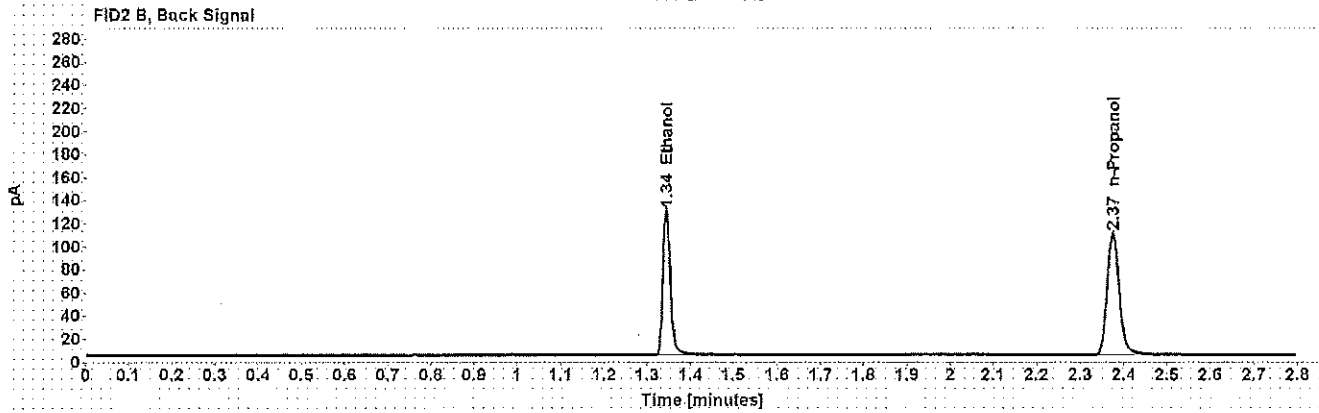
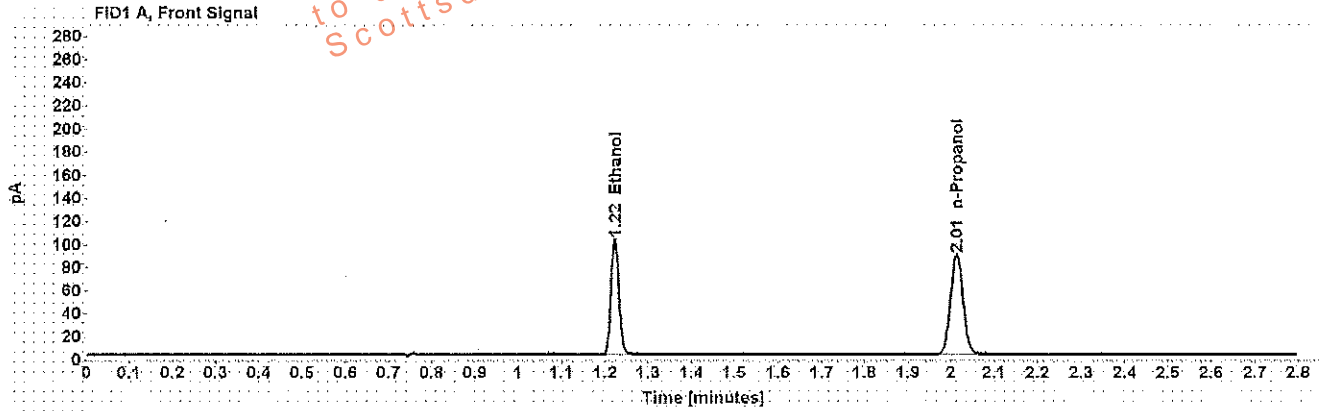


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1987	1.223	128.384
n-Propanol	-----	2.013	176.645

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

Compound	Time (min)	Peak Area
Ethanol	1.343	152.145
n-Propanol	2.375	204.658

Scottsdale Police Department Crime Lab Volatiles Analysis

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WJA

Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 2/22/2018 10:13:09 AM	Vial: 20
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\20.D	

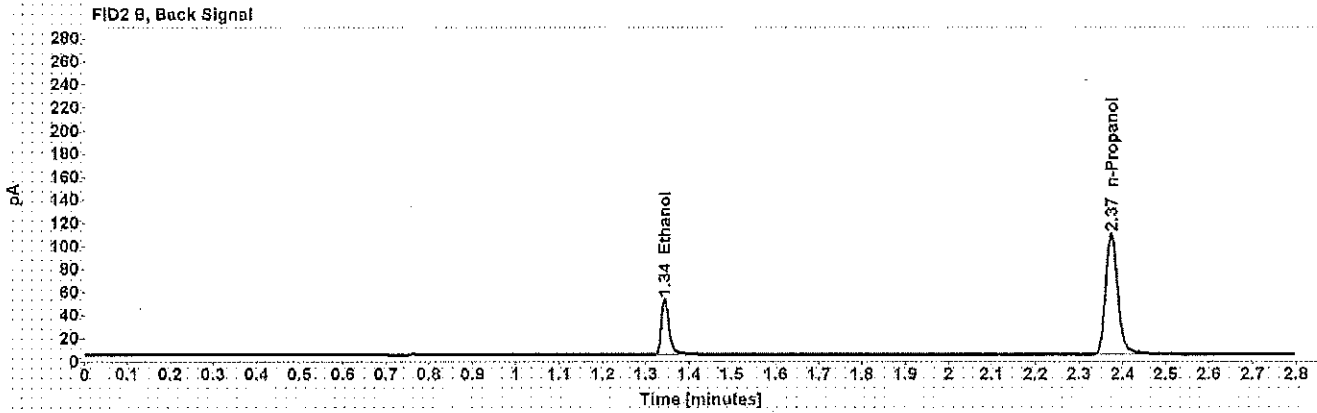
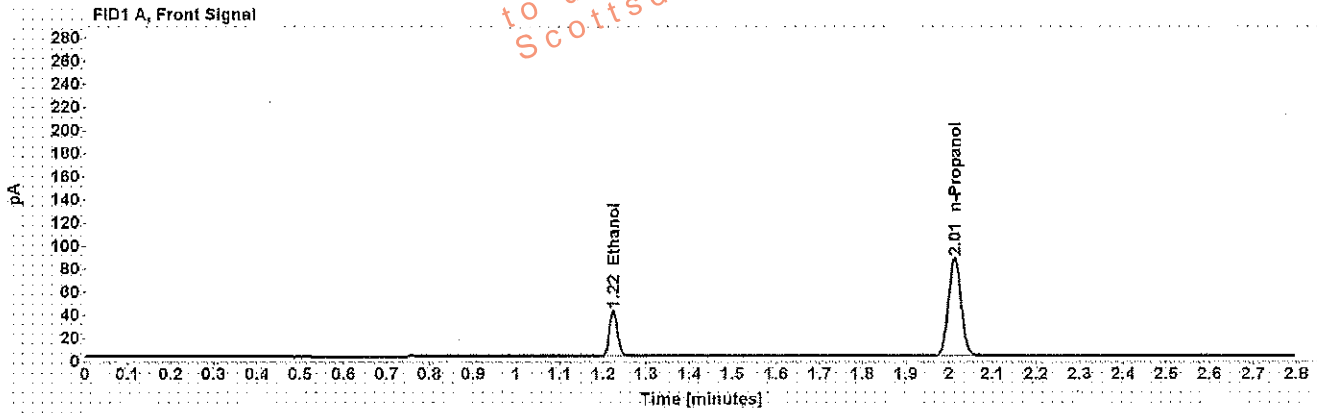


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0812	1.223	50.820
n-Propanol	-----	2.012	174.716

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

Compound	Time (min)	Peak Area
Ethanol	1.344	59.883
n-Propanol	2.374	202.925

Scottsdale Police Department Crime Lab Volatiles Analysis

WAA

Sample: 0.40 Lipomed 08012015-C	Item number:
Injection date: 2/22/2018 10:49:23 AM	Vial: 29
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 QN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\29.D	

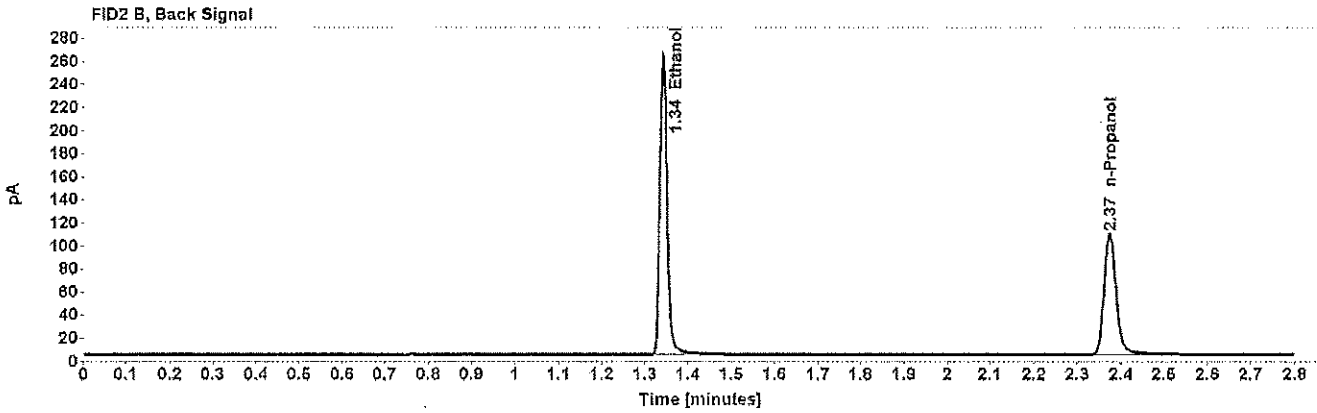
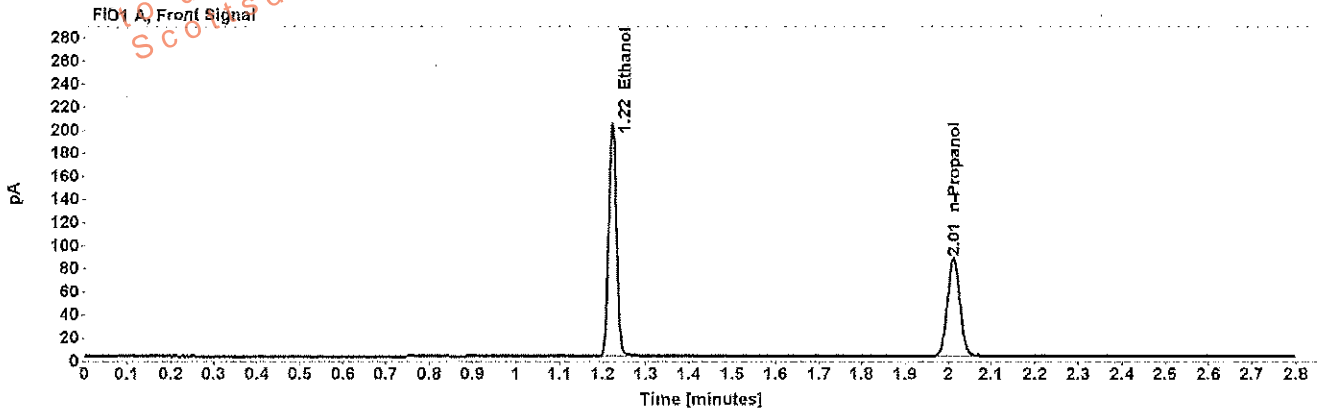


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4003	1.222	257.093
n-Propanol	-----	2.012	174.368

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

Compound	Time (min)	Peak Area
Ethanol	1.342	309.273
n-Propanol	2.374	203.779

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 09022015-A	Item number: WA
Injection date: 2/22/2018 10:53:23 AM	Vial: 30
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1Data\22Feb18\30.D	

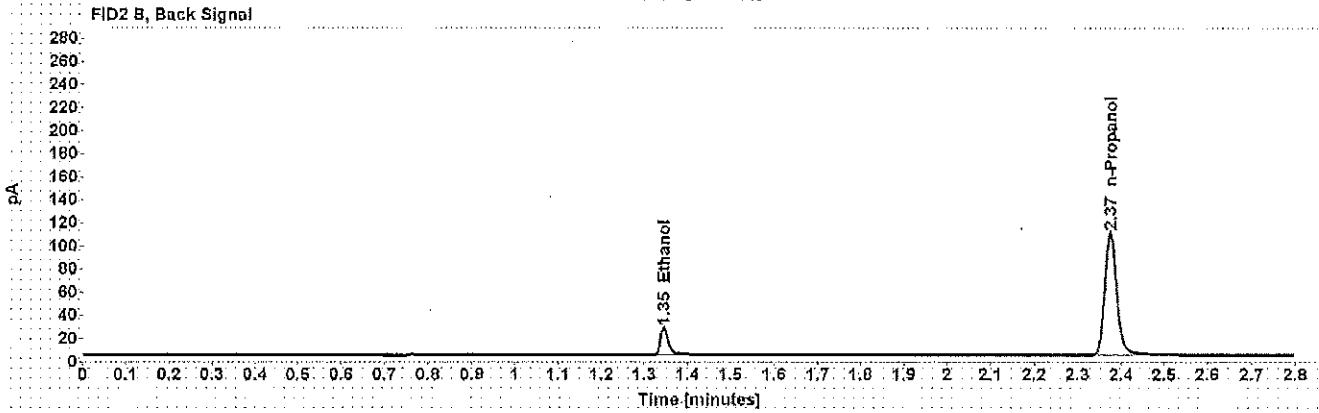
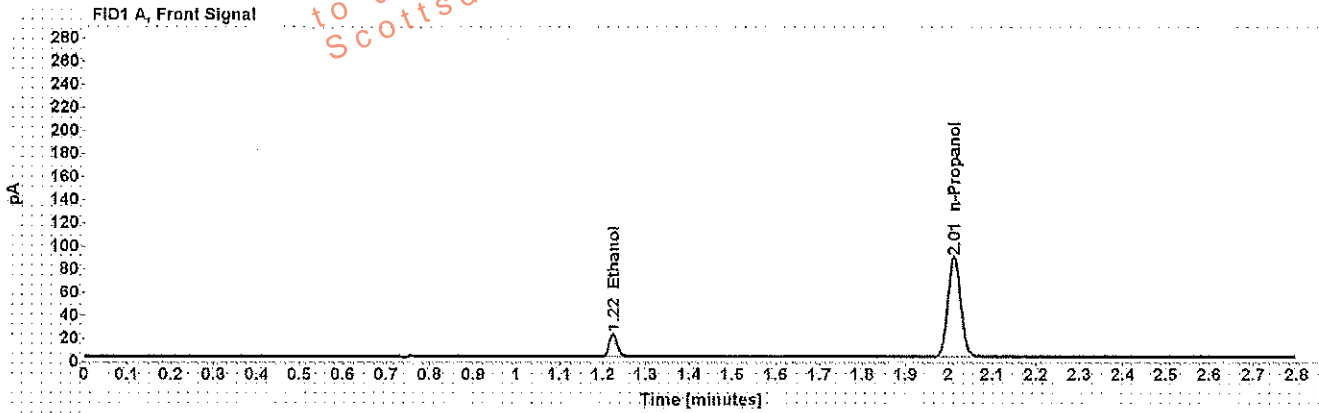


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0418	1.224	25.548
n-Propanol	-----	2.012	176.526

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

Compound	Time (min)	Peak Area
Ethanol	1.345	29.660
n-Propanol	2.375	205.852

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 2/22/2018 10:57:39 AM	Vial: 31
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\31.D	

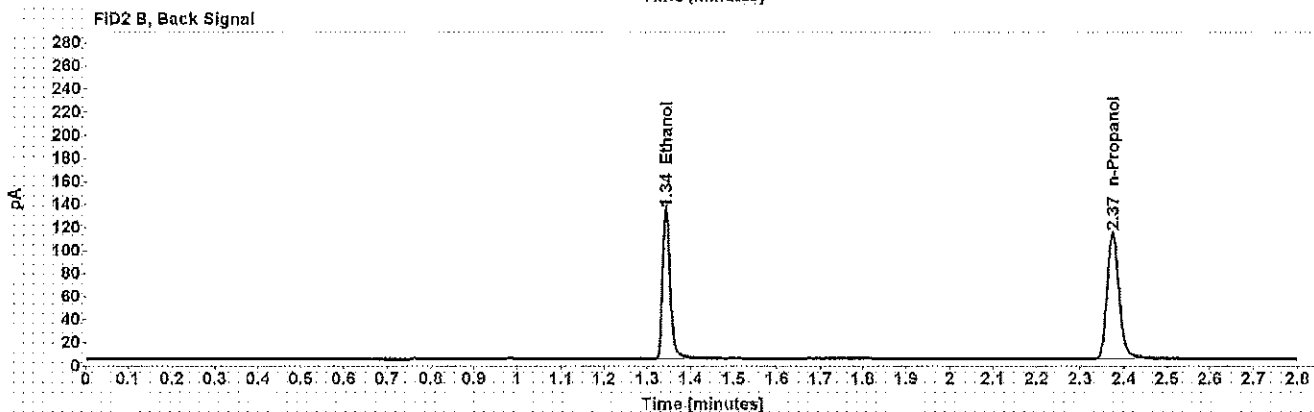
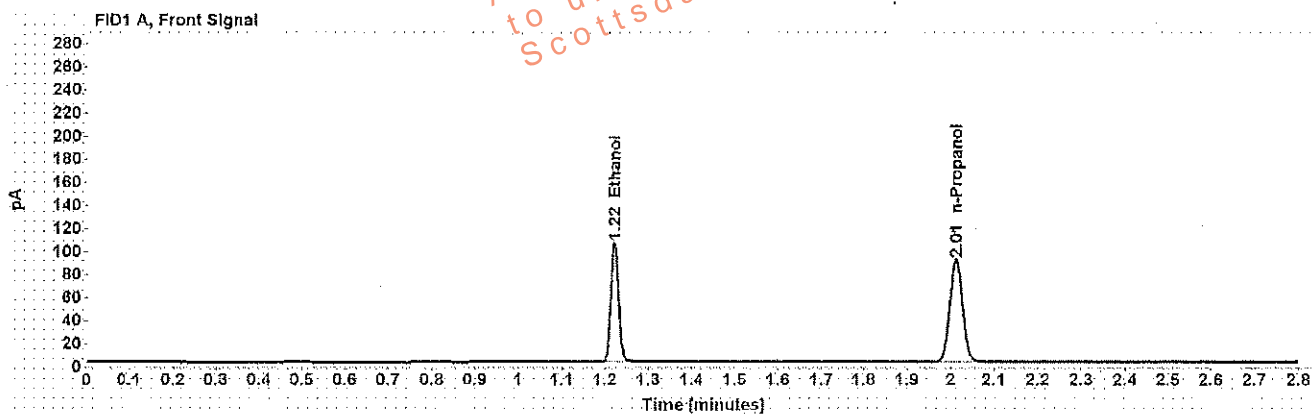


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1995	1.222	132.228
n-Propanol	-----	2.012	181.165

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

Compound	Time (min)	Peak Area
Ethanol	1.343	157.772
n-Propanol	2.375	211.855

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: blank 010318	Item number:
Injection date: 2/22/2018 11:01:38 AM	Vial: 32
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\32.D	

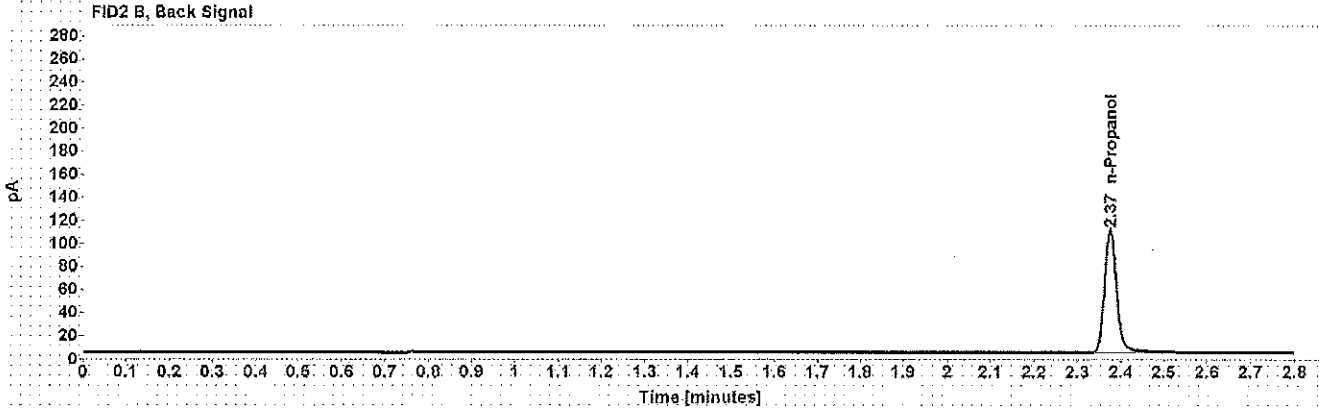
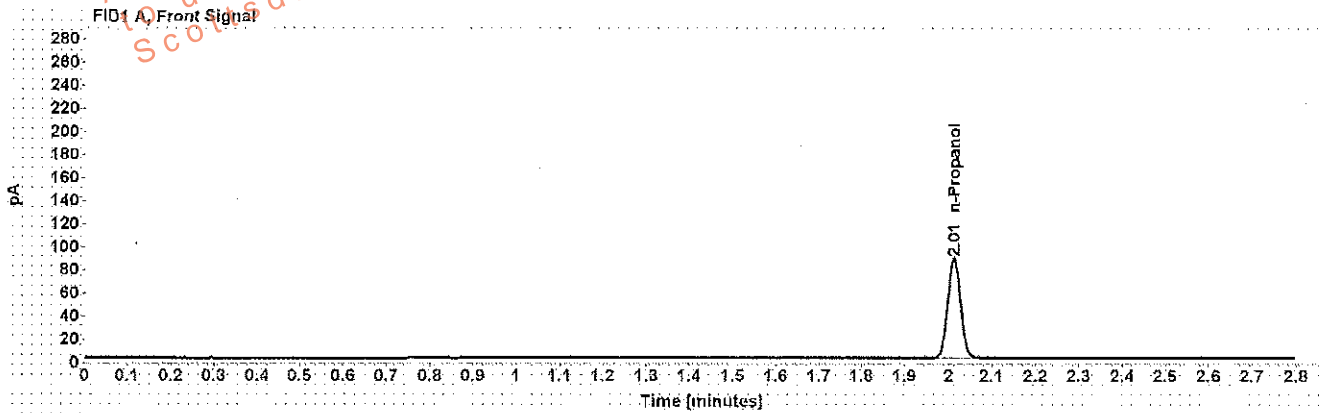


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	176.645

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	205.807

Sequence Summary

Sequence name: 22Feb18 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	908233	ethanol quant.M
11		Sample	908233	ethanol quant.M
12		Sample	1198308	ethanol quant.M
13		Sample	1198308	ethanol quant.M
14		Sample	1173985	ethanol quant.M
15		Sample	1173985	ethanol quant.M
16		Sample	1196224	ethanol quant.M
17		Sample	1196224	ethanol quant.M
18		Sample	1196133	ethanol quant.M
19		Sample	1196133	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1196131	ethanol quant.M
22		Sample	1196131	ethanol quant.M
23		Sample	1197117	ethanol quant.M
24		Sample	1197117	ethanol quant.M
25		Sample	1195965	ethanol quant.M
26		Sample	1195965	ethanol quant.M
27		Sample	1171426	ethanol quant.M
28		Sample	1171426	ethanol quant.M
29	0.40 Lipomed 08012015-C	Control		ethanol quant.M
30	0.04 Lipomed 09022015-A	Control		ethanol quant.M
31	0.198 ACQ 407041529/3	Control		ethanol quant.M
32	blank 010318	Control		ethanol quant.M

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MA

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 22Feb18

ANALYST: Adrian *WA*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1364	0.1370	0.13670	0.22	0.00030
12 13	0.1702	0.1728	0.17150	0.76	0.00130
14 15	0.1767	0.1791	0.17790	0.67	0.00120
16 17	0.2808	0.2814	0.28110	0.11	0.00030
18 19	0.1026	0.1020	0.10270	0.10	0.00010
21 22	0.1135	0.1134	0.11345	0.04	0.00005
23 24	0.2250	0.2225	0.22375	0.56	0.00125
25 26	0.1794	0.1783	0.17885	0.31	0.00055
27 28	0.1010	0.1011	0.10105	0.05	0.00005

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 908233
Injection date: 2/22/2018 9:32:39 AM	Vial: 10
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\10.D	

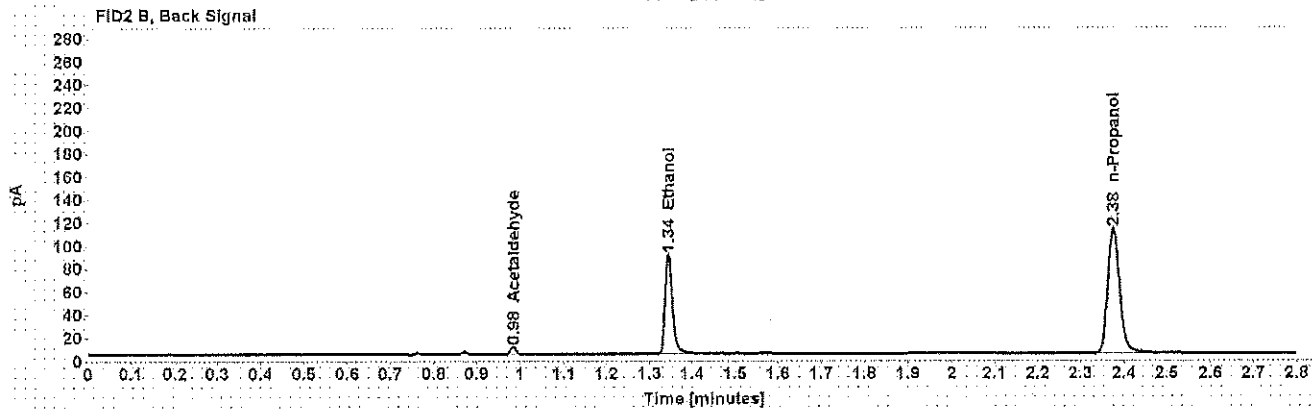
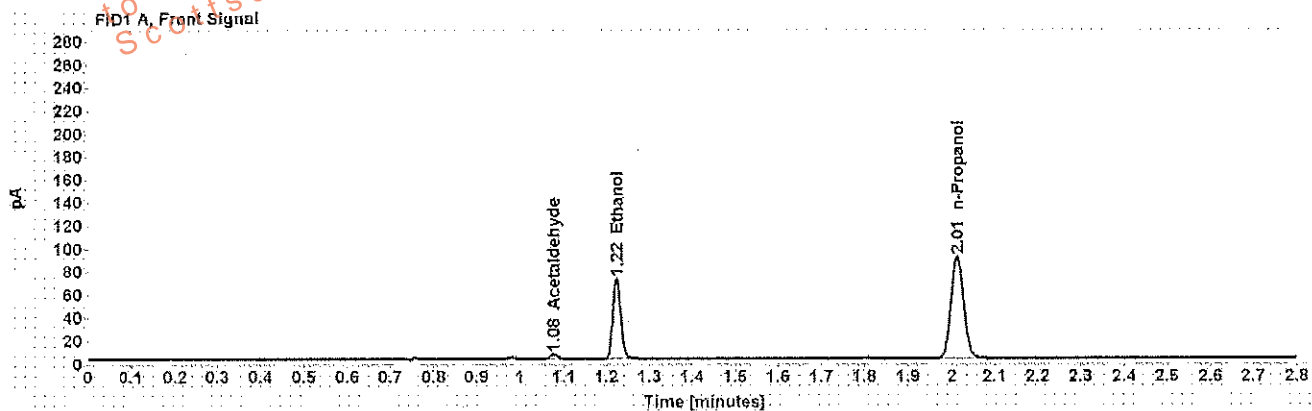


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.479
>Ethanol	0.1364	1.223	89.540
n-Propanol	-----	2.013	180.602

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.622
Ethanol	1.344	106.523
n-Propanol	2.375	210.221

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 908233
Injection date: 2/22/2018 9:36:38 AM	Vial: 11
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\22Feb18\11.D	

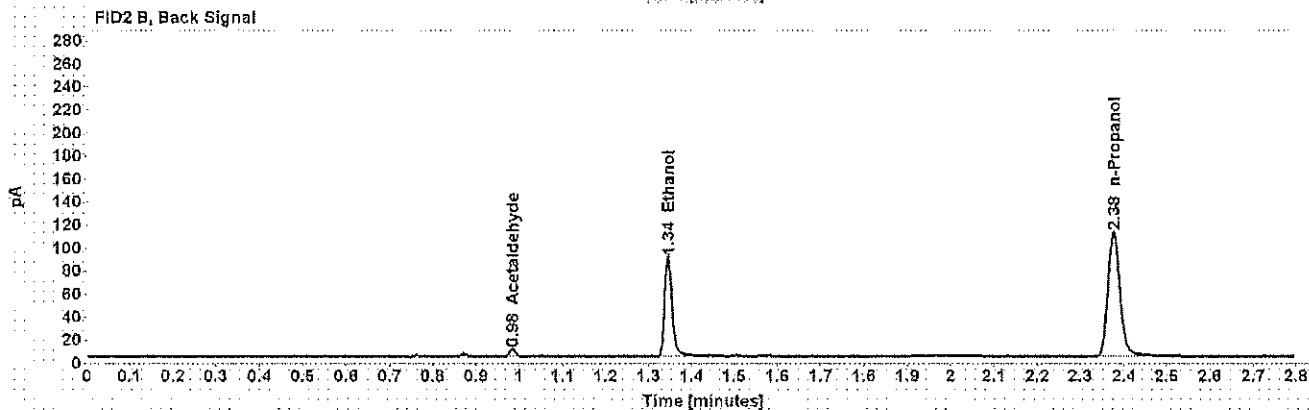
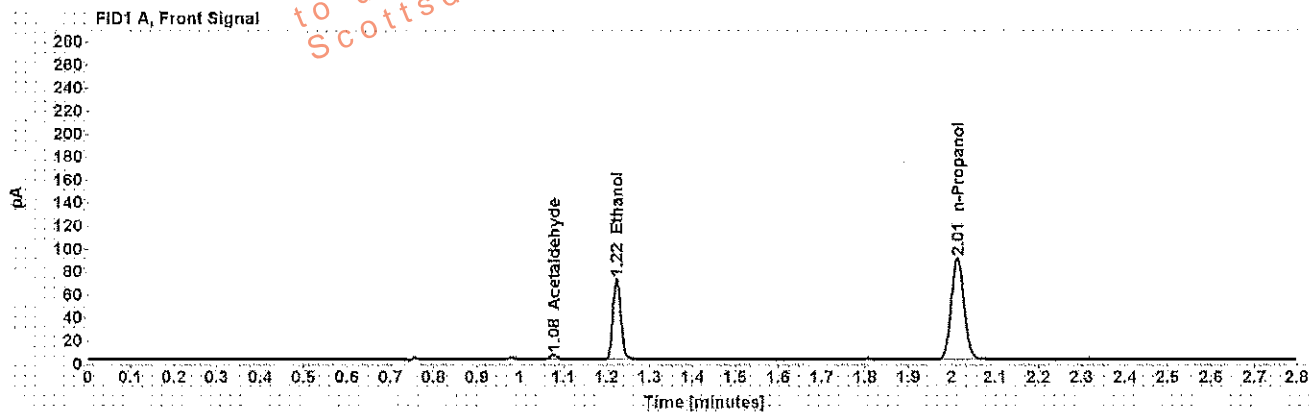


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.472
>Ethanol	0.1370	1.224	89.456
n-Propanol	-----	2.013	179.646

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.626
Ethanol	1.345	106.578
n-Propanol	2.376	209.222

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1198308
Injection date: 2/22/2018 9:40:39 AM	Vial: 12
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\12.D	

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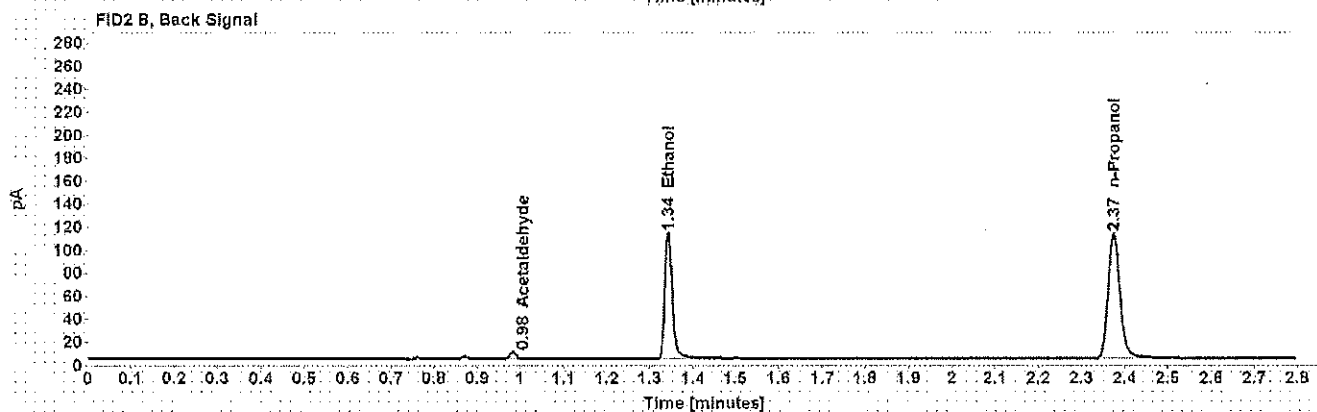
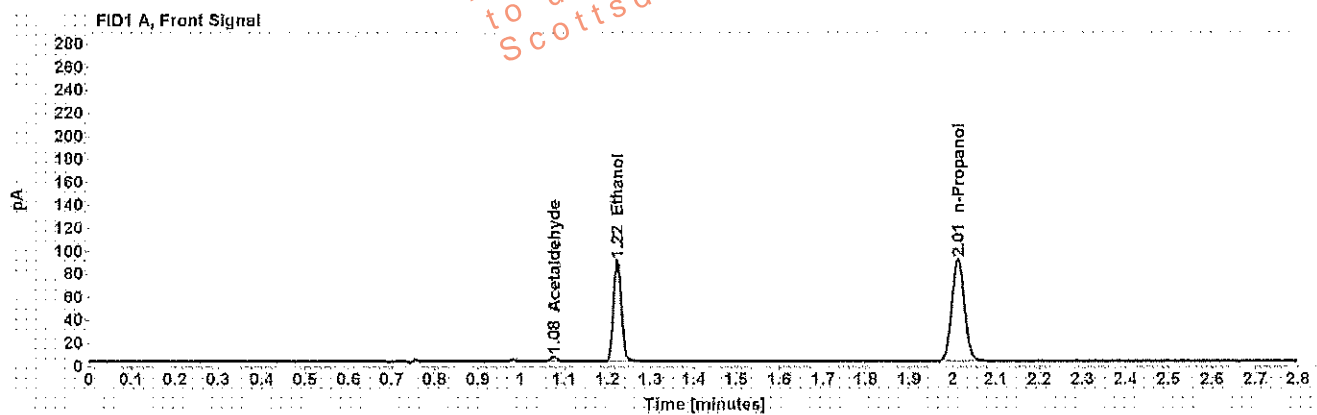


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.198
>Ethanol	0.1702	1.222	112.501
n-Propanol	-----	2.012	181.112

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.307
Ethanol	1.343	133.054
n-Propanol	2.374	210.964

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1198308
Injection date: 2/22/2018 9:44:55 AM	Vial: 13
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Instrument: US14173023.ON14160045	Analyst: Adrian
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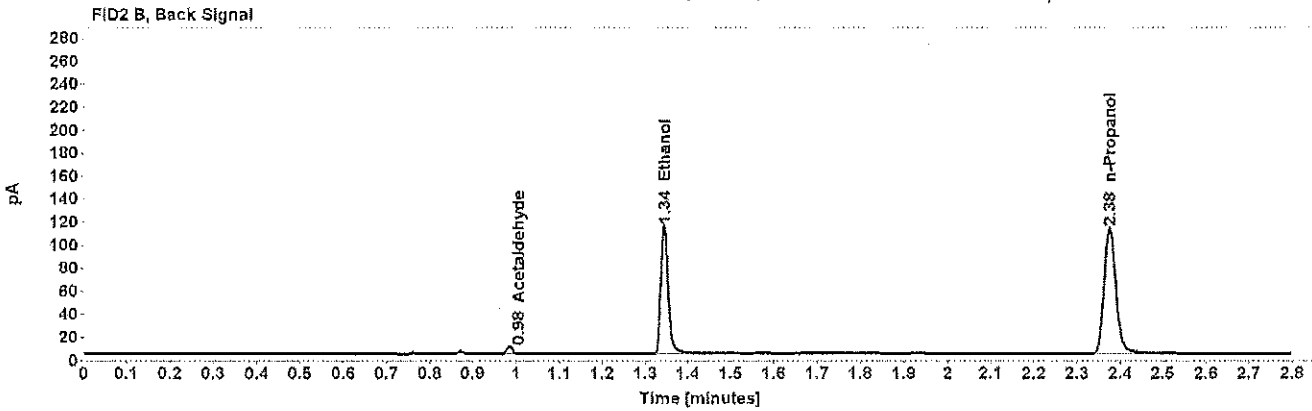
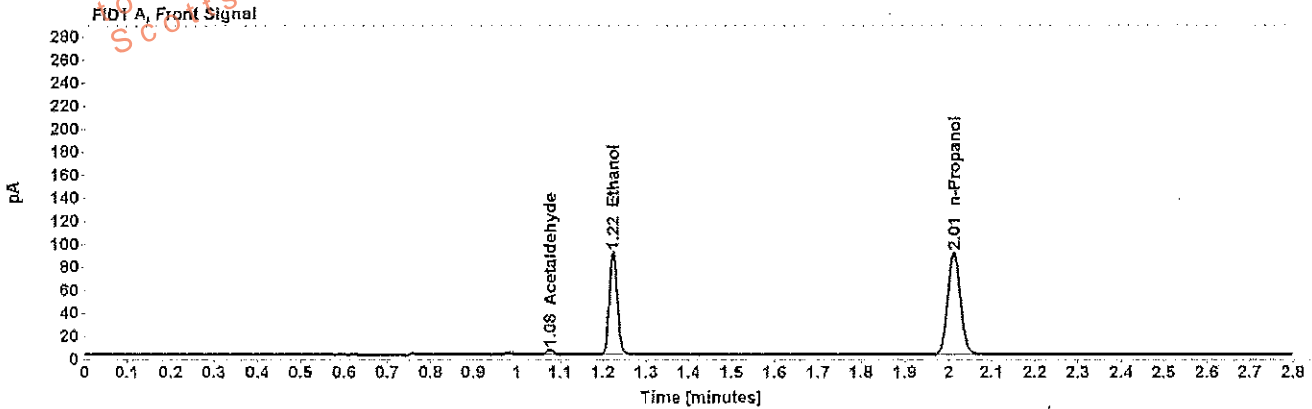


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.304
>Ethanol	0.1728	1.223	114.017
n-Propanol	-----	2.013	180.754

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.430
Ethanol	1.344	134.469
n-Propanol	2.375	210.676

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173985
Injection date: 2/22/2018 9:48:54 AM	Vial: 14
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 N14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\14.D	

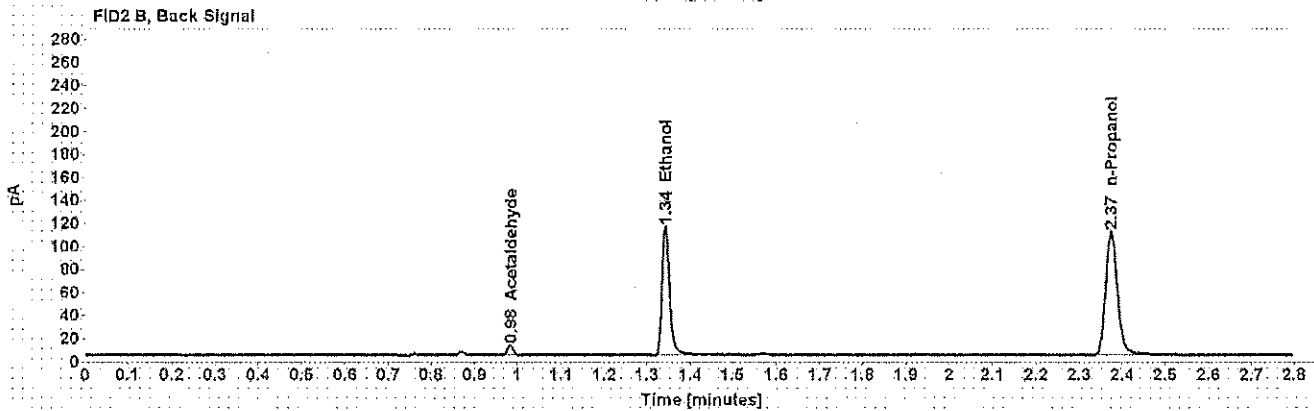
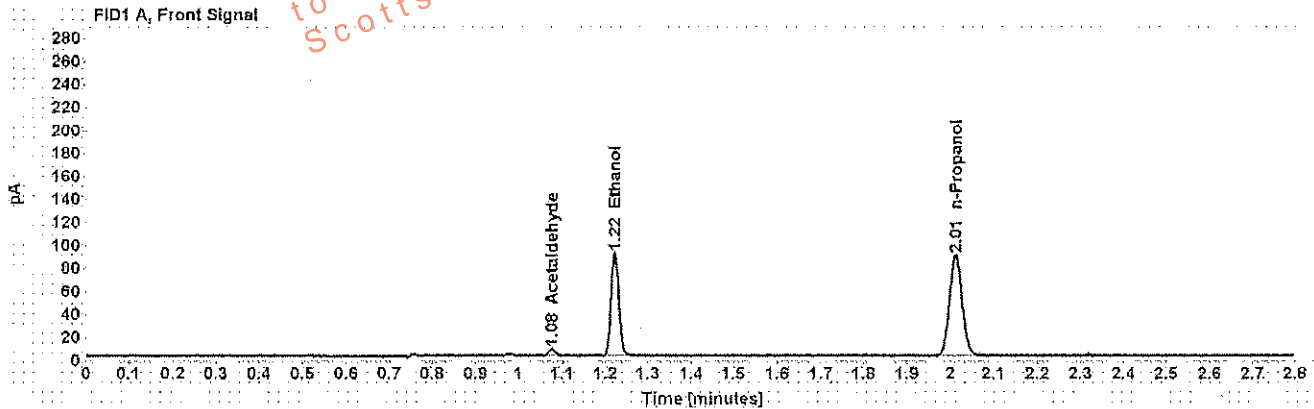


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	6.113
>Ethanol	0.1767	1.222	114.545
n-Propanol	-----	2.012	177.534

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	7.681
Ethanol	1.343	137.026
n-Propanol	2.374	207.669

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173985
Injection date: 2/22/2018 9:52:53 AM	Vial: 15
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\15.D	

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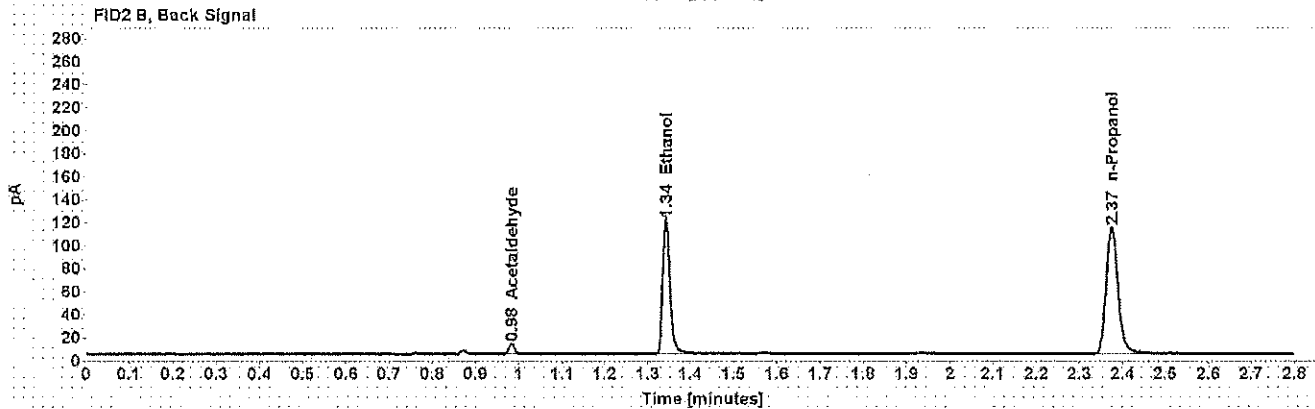
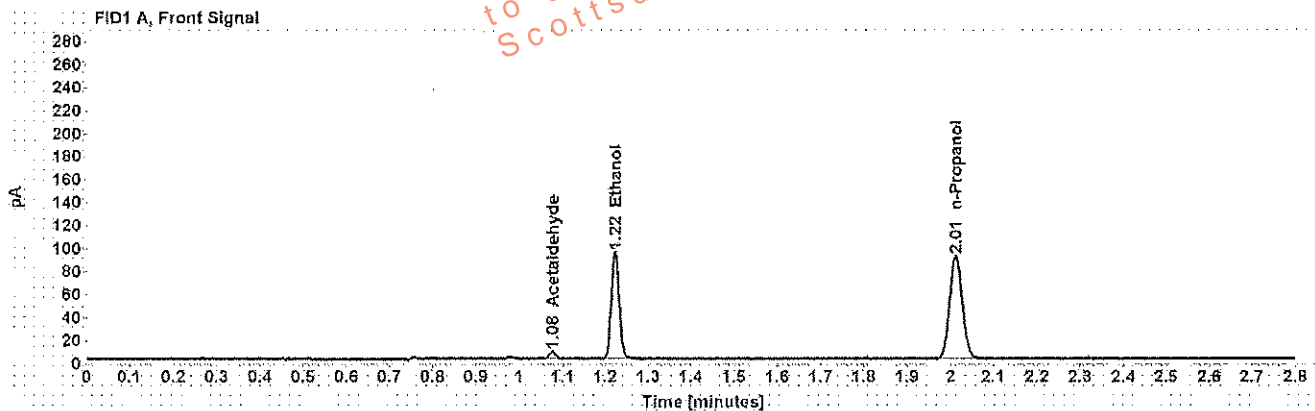


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	6.491
>Ethanol	0.1791	1.223	119.088
n-Propanol	-----	2.012	182.116

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	8.162
Ethanol	1.343	142.350
n-Propanol	2.375	213.002

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1196224
Injection date: 2/22/2018 9:56:53 AM	Vial: 16
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
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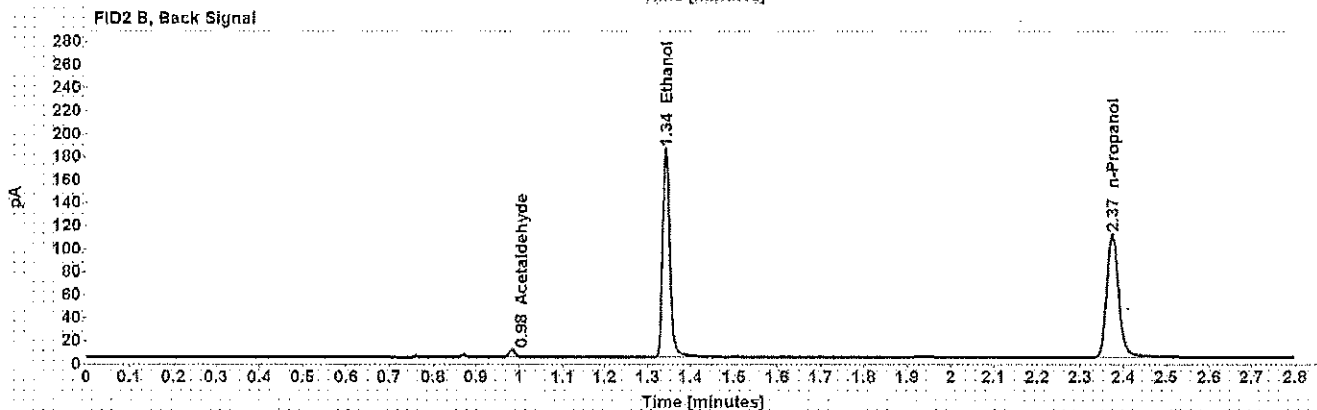
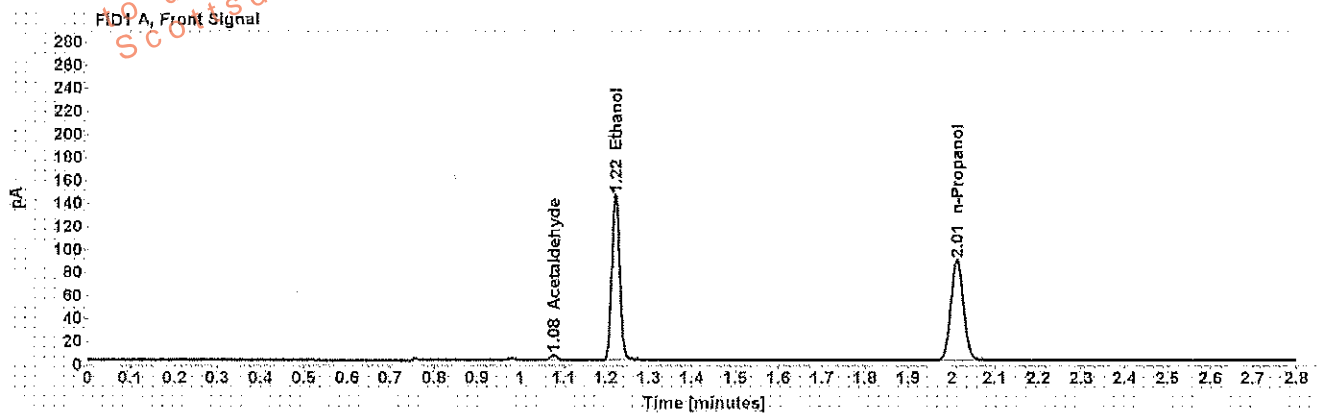


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.720
>Ethanol	0.2808	1.222	183.597
n-Propanol	-----	2.012	178.046

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.946
Ethanol	1.343	218.062
n-Propanol	2.374	208.224

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1196224
Injection date: 2/22/2018 10:00:53 AM	Vial: 17
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160046	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\17.D	

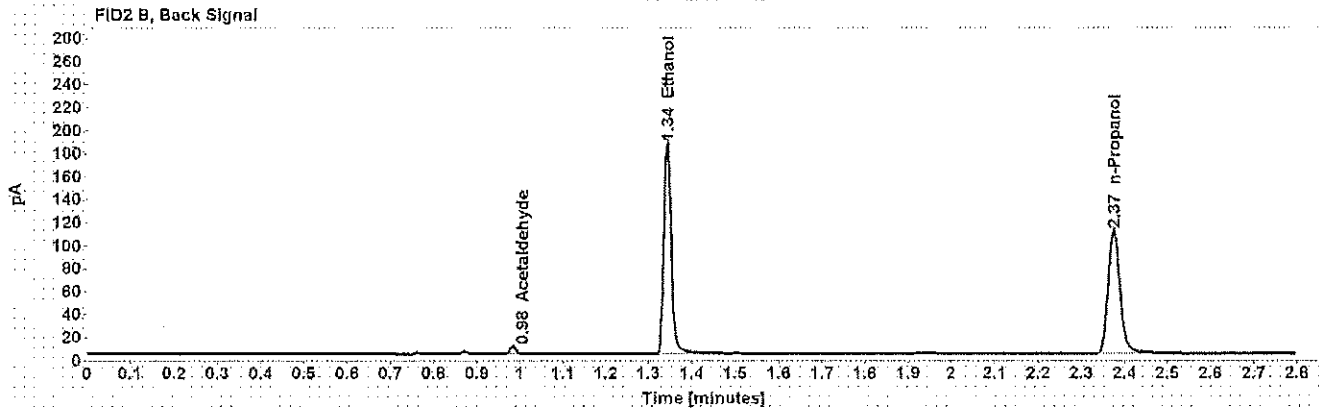
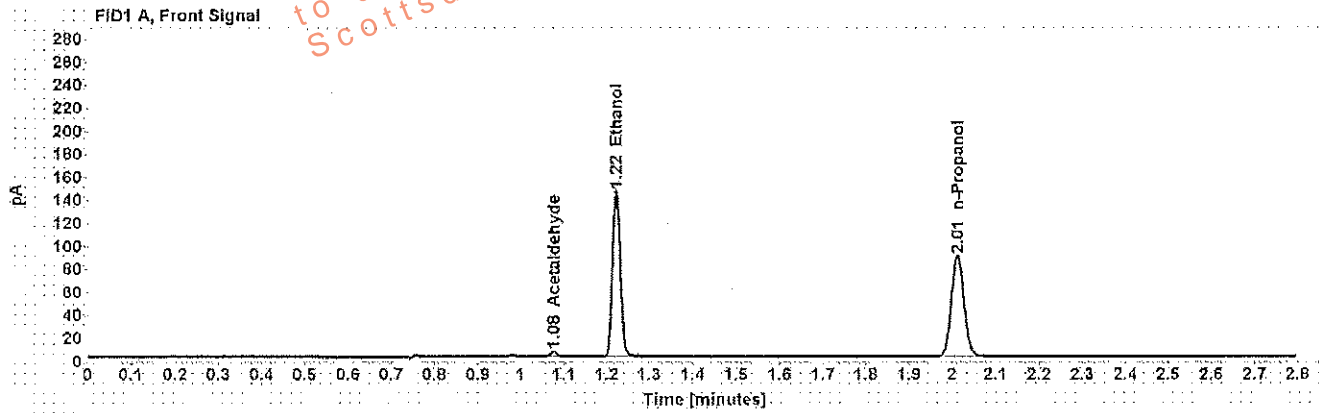


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.729
>Ethanol	0.2814	1.222	184.565
n-Propanol	-----	2.012	178.610

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.994
Ethanol	1.343	219.929
n-Propanol	2.375	208.486

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1196133
Injection date: 2/22/2018 10:04:53 AM	Vial: 18
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\18.D	

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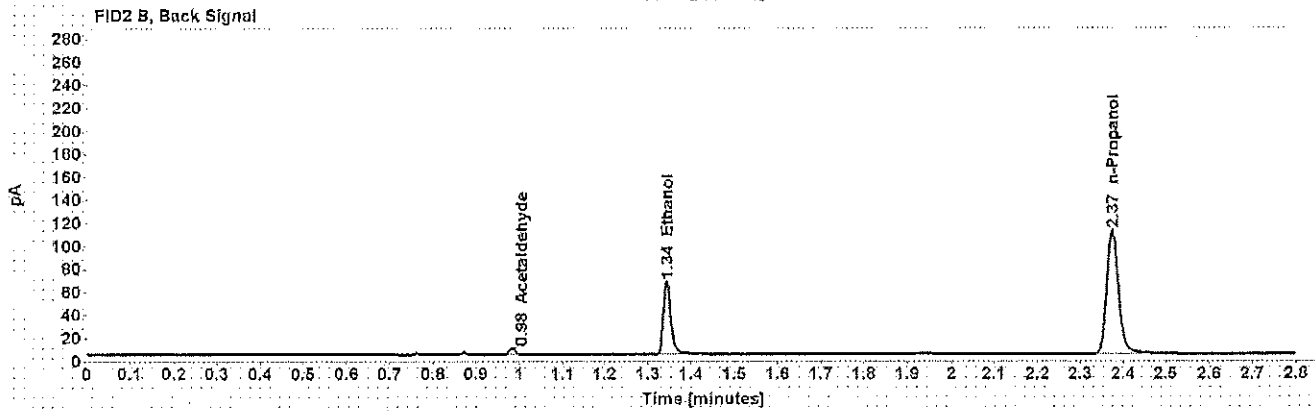
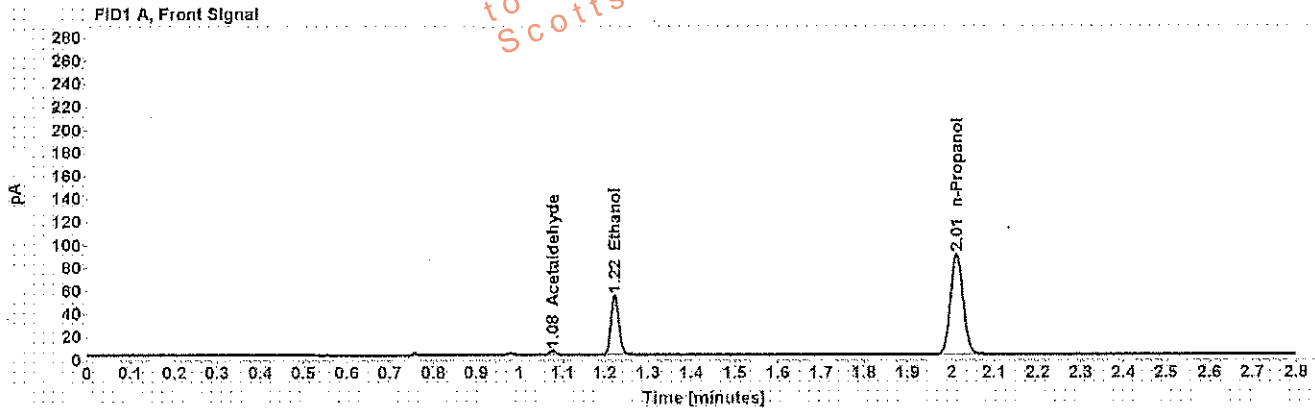


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	3.934
>Ethanol	0.1026	1.223	66.339
n-Propanol	-----	2.012	179.148

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	4.972
Ethanol	1.344	77.287
n-Propanol	2.374	208.873

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1196133
Injection date: 2/22/2018 10:09:10 AM	Vial: 19
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Instrument: US14173023,CN14160045	Analyst: Adrian
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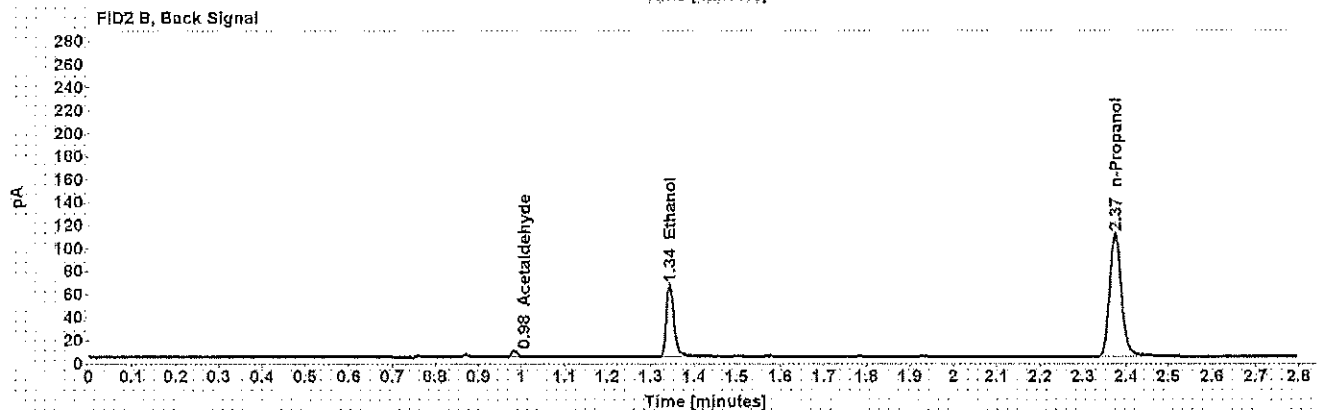
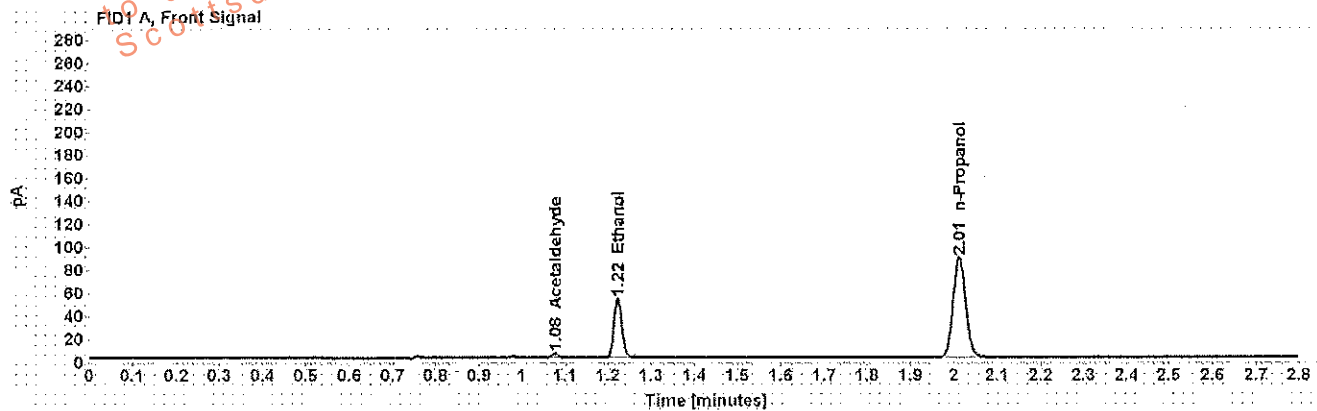


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.984
>Ethanol	0.1028	1.223	65.888
n-Propanol	-----	2.012	177.609

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.054
Ethanol	1.344	76.899
n-Propanol	2.374	207.464

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1196131
Injection date: 2/22/2018 10:17:08 AM	Vial: 21
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\22Feb18\21.D	

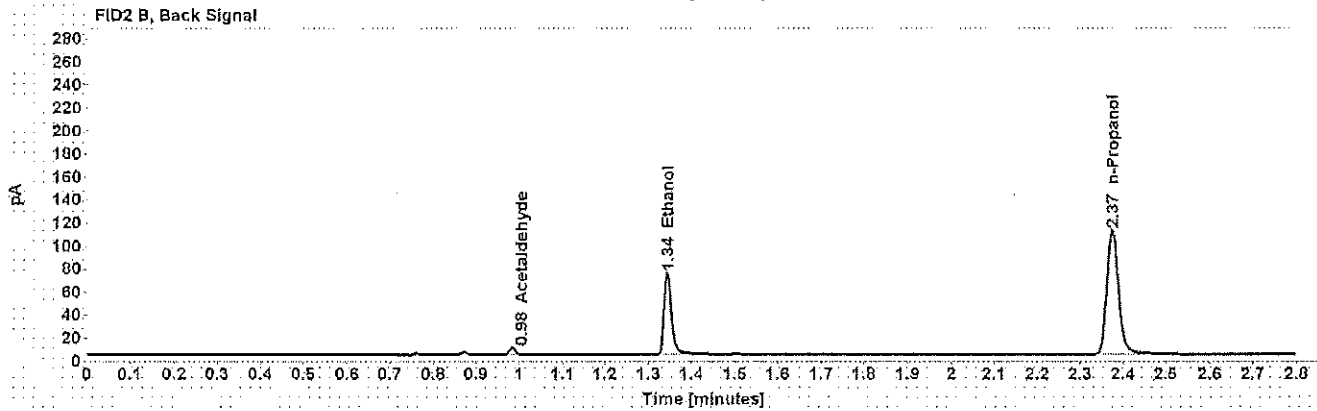
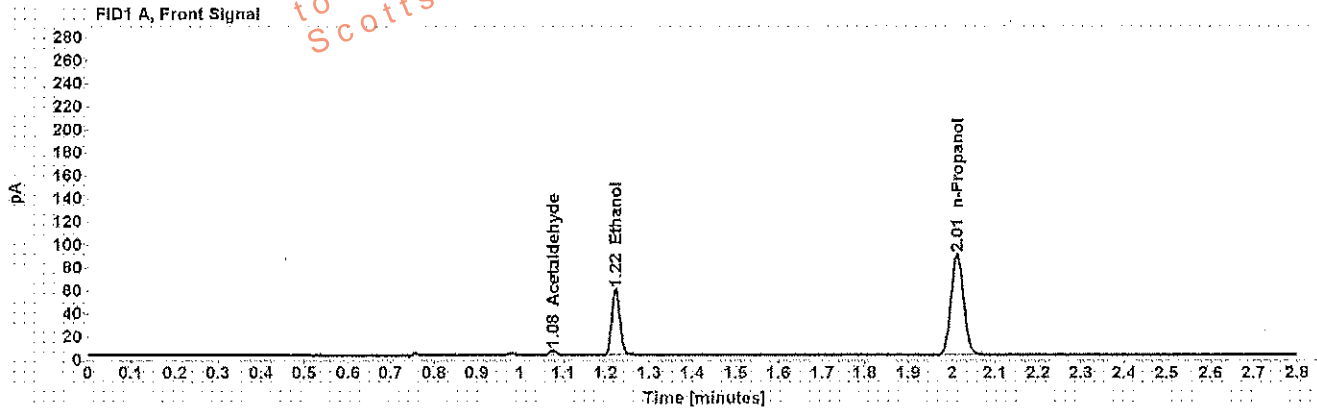


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.265
>Ethanol	0.1135	1.223	73.539
n-Propanol	-----	2.012	179.055

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.422
Ethanol	1.344	85.829
n-Propanol	2.375	209.287

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1196131
Injection date: 2/22/2018 10:21:10 AM	Vial: 22
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\22.D	

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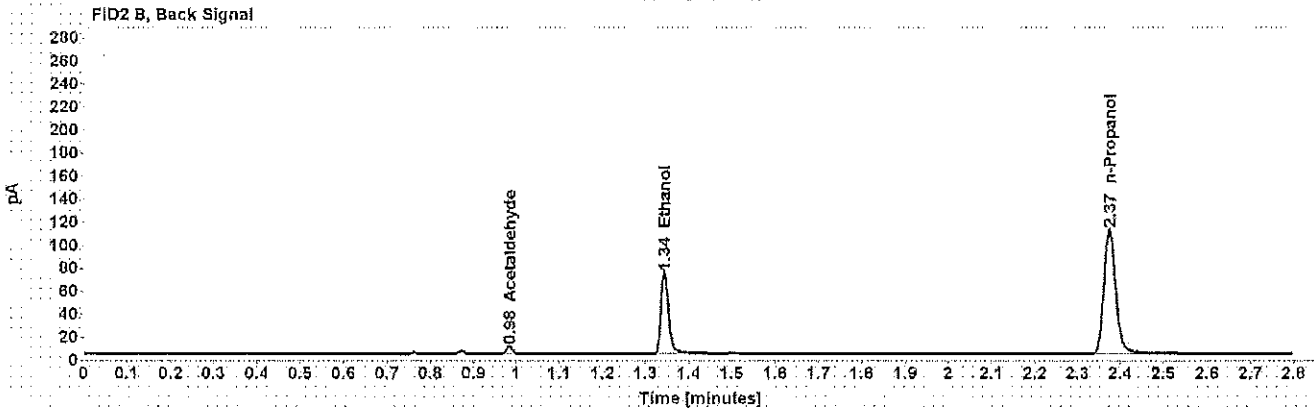
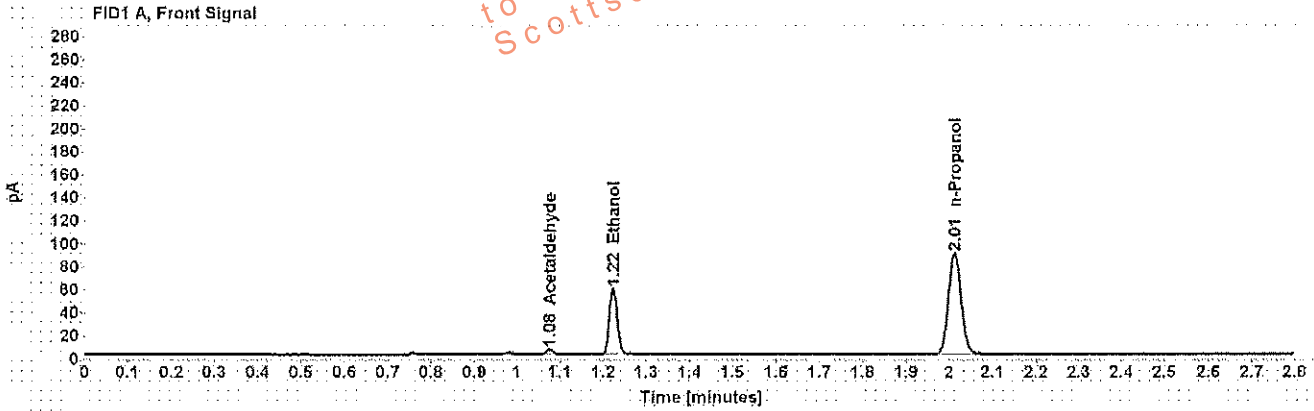


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.427
>Ethanol	0.1134	1.223	73.551
n-Propanol	-----	2.012	179.275

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.604
Ethanol	1.344	85.603
n-Propanol	2.375	209.480

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1197117
Injection date: 2/22/2018 10:25:09 AM	Vial: 23
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data File: C:\Chem32\11\Data\22Feb18\23.D	

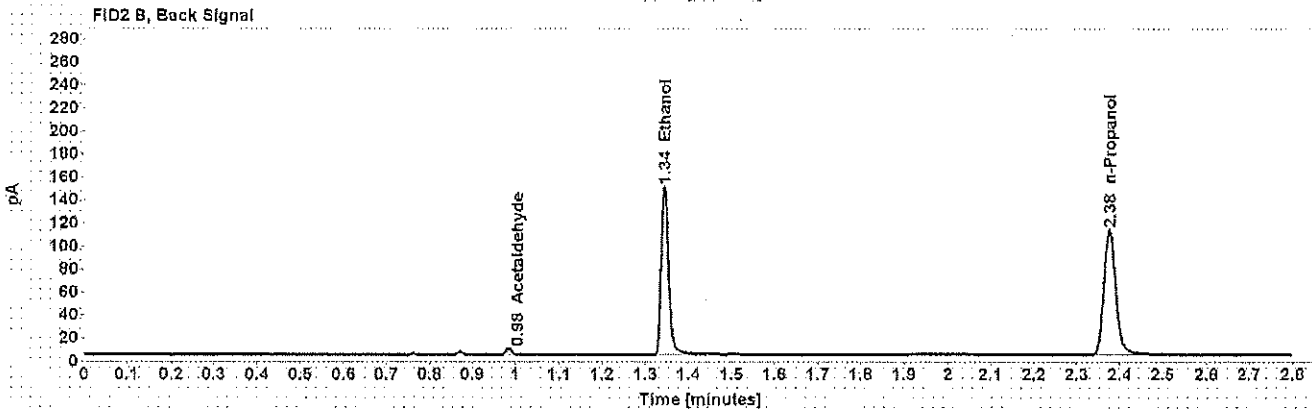
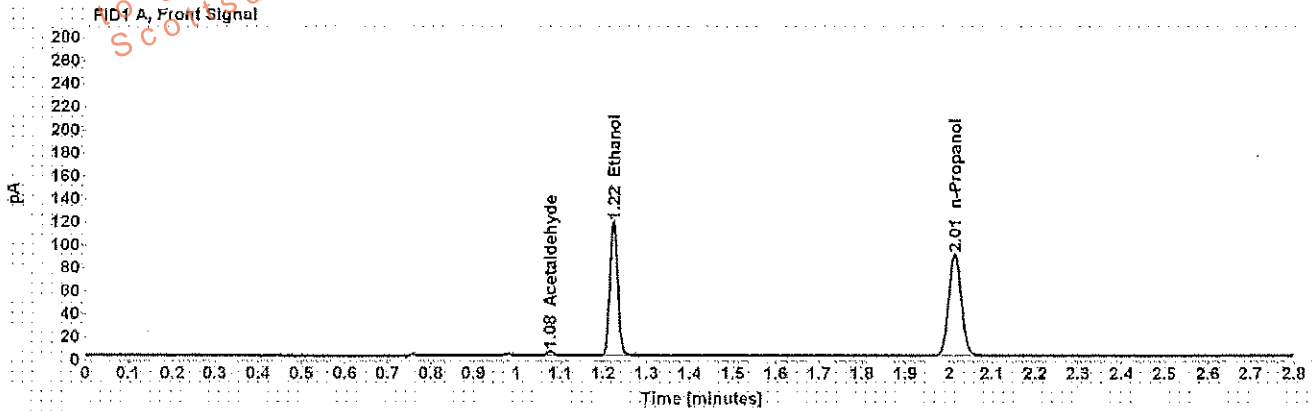


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.964
>Ethanol	0.2250	1.223	148.776
n-Propanol	-----	2.013	180.515

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.004
Ethanol	1.344	176.730
n-Propanol	2.376	210.921

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1197117
Injection date: 2/22/2018 10:29:10 AM	Vial: 24
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\24.D	

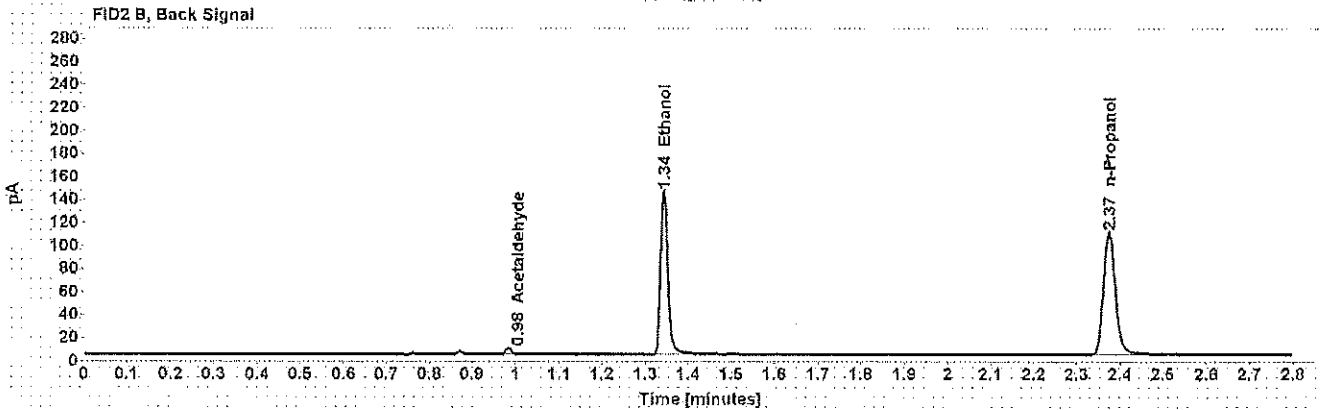
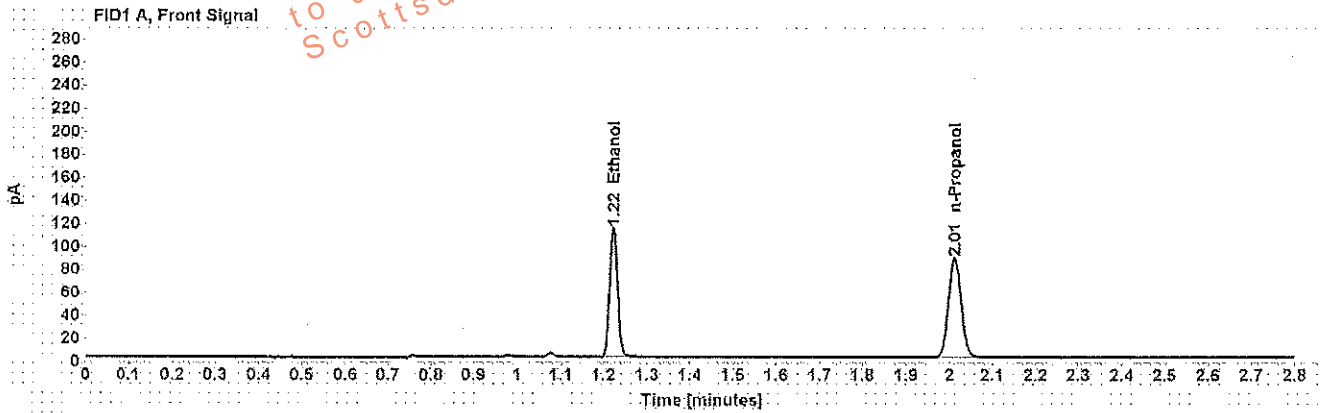


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2225	1.222	143.928
n-Propanol	-----	2.012	176.619

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	4.736
Ethanol	1.343	170.935
n-Propanol	2.374	206.588

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1195965
Injection date: 2/22/2018 10:33:23 AM	Vial: 25
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\22Feb18\25.D	

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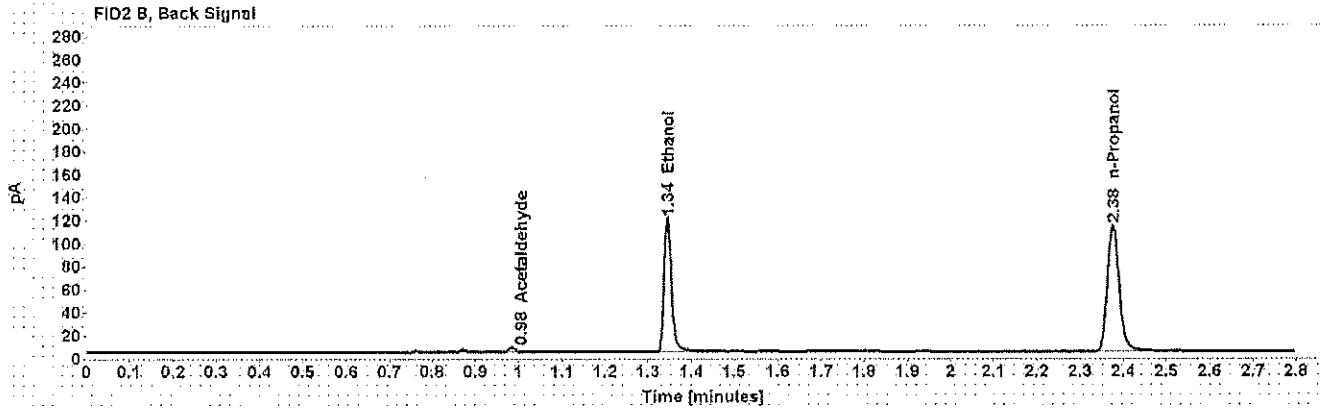
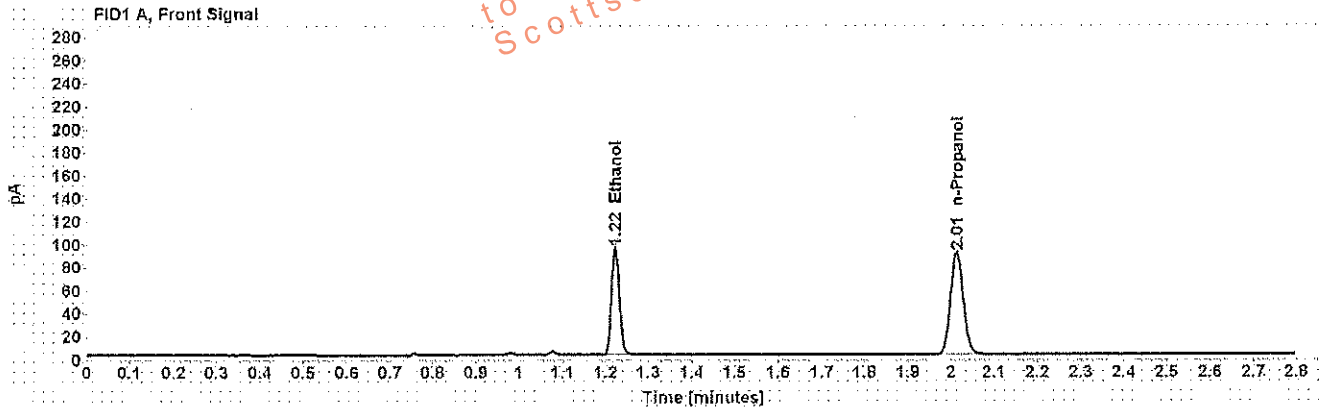


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1794	1.223	119.169
n-Propanol	-----	2.013	181.868

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.809
Ethanol	1.344	141.281
n-Propanol	2.376	212.835

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1195965
Injection date: 2/22/2018 10:37:23 AM	Vial: 26
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
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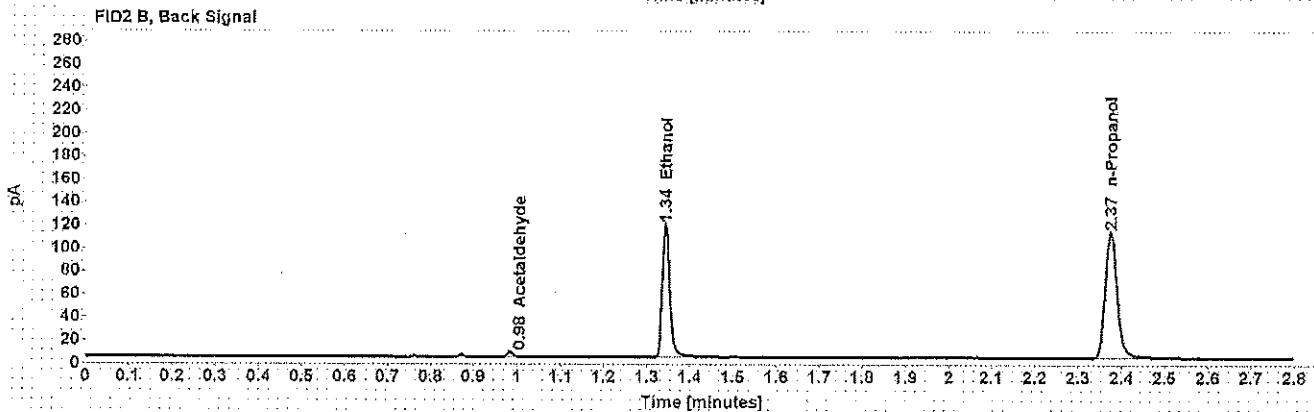
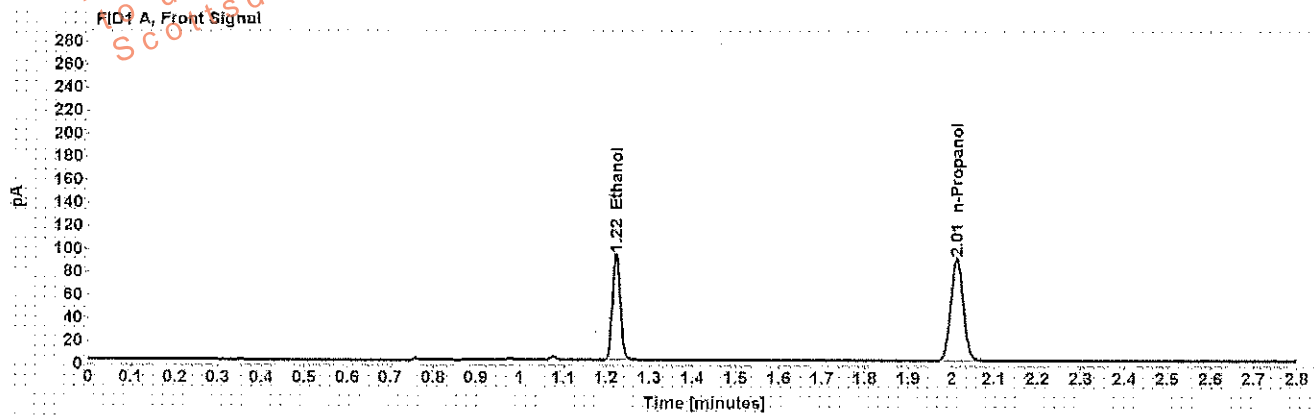


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1783	1.223	118.026
n-Propanol	-----	2.012	181.257

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.898
Ethanol	1.343	139.704
n-Propanol	2.375	212.501

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171426
Injection date: 2/22/2018 10:41:24 AM	Vial: 27
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\22Feb18\27.D	

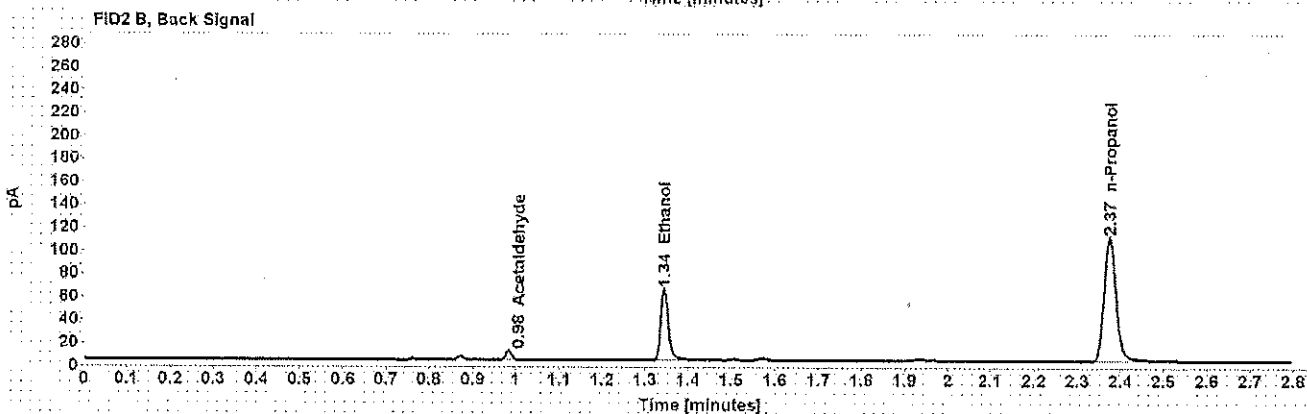
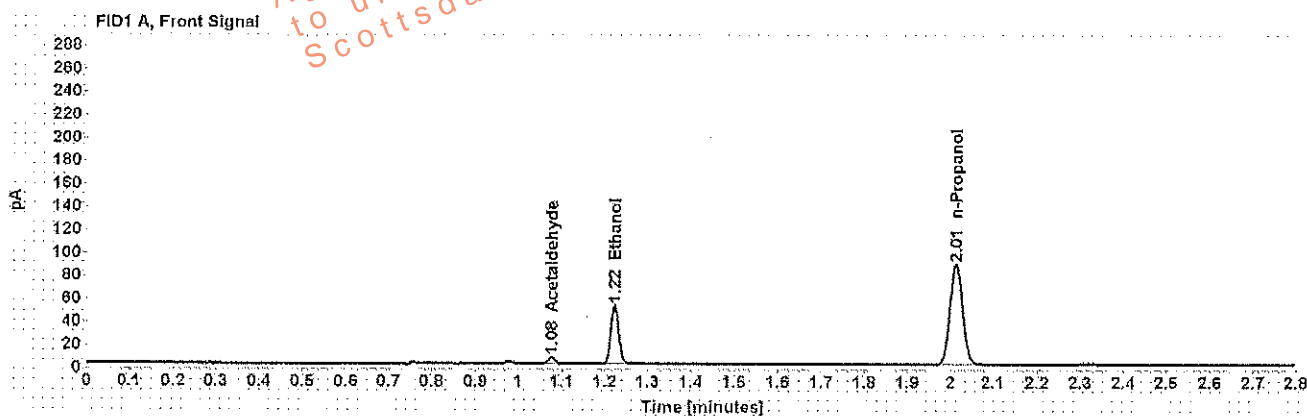


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.946
>Ethanol	0.1010	1.223	64.789
n-Propanol	-----	2.012	177.895

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.963	7.501
Ethanol	1.344	76.003
n-Propanol	2.375	208.635

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171426
Injection date: 2/22/2018 10:45:23 AM	Vial: 28
Method: ethanol quant.M	Sequence: 22Feb18
Instrument: US14173023 CN14160045	Analyst: Adrian
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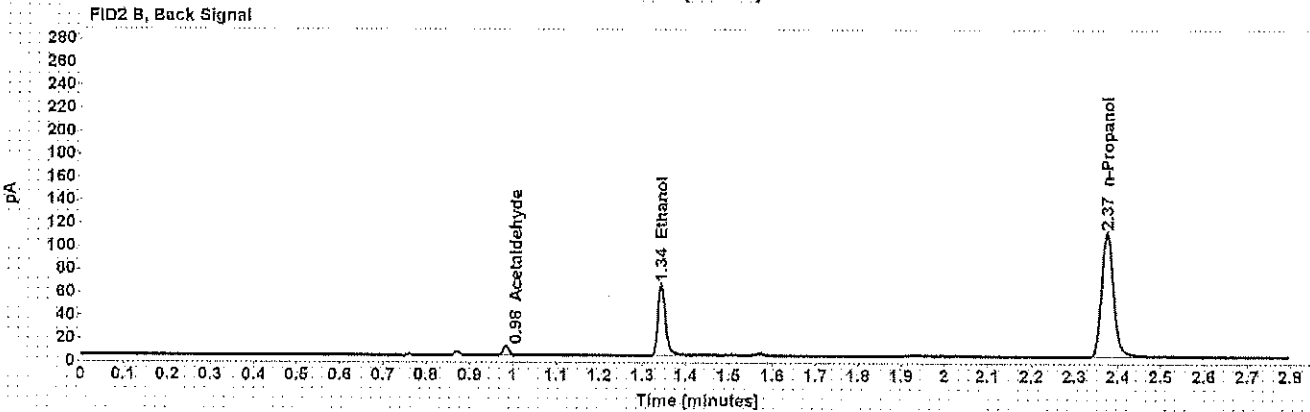
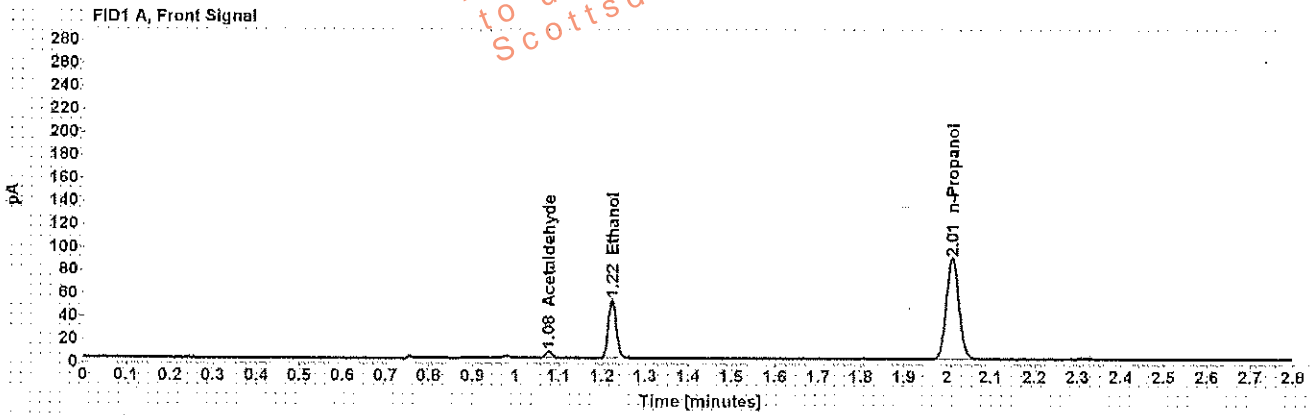


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	5.920
>Ethanol	0.1011	1.223	65.059
n-Propanol	-----	2.012	178.337

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	7.440
Ethanol	1.344	76.233
n-Propanol	2.375	209.413