

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 9/27/2017 SEQUENCE NAME 27Sep17

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN06181501 1.00000
 Vial 3 0.20 calibrator Lot FN07201502
 Vial 4 0.40 calibrator Lot FN11191402

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 090517
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.404 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.200 g/dL	0.199 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.151 g/dL	Lipomed 09022015-C
42	Blood control	0.200 g/dL	0.200 g/dL	ACQ 407041529/3
51	Aqueous control	0.400 g/dL	0.410 g/dL	Lipomed 08012015-C
52	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
53	Blood control	0.200 g/dL	0.204 g/dL	ACQ 407041529/3
54	Blank	Not detected	Not detected	SPD lab 090517

SUBJECT SAMPLES

Subjects in the sequence 19 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid
 Run invalid

WA B1570 9/28/17

Analyst

Run valid
 Run invalid

KOSEUKI 9/29/17

Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

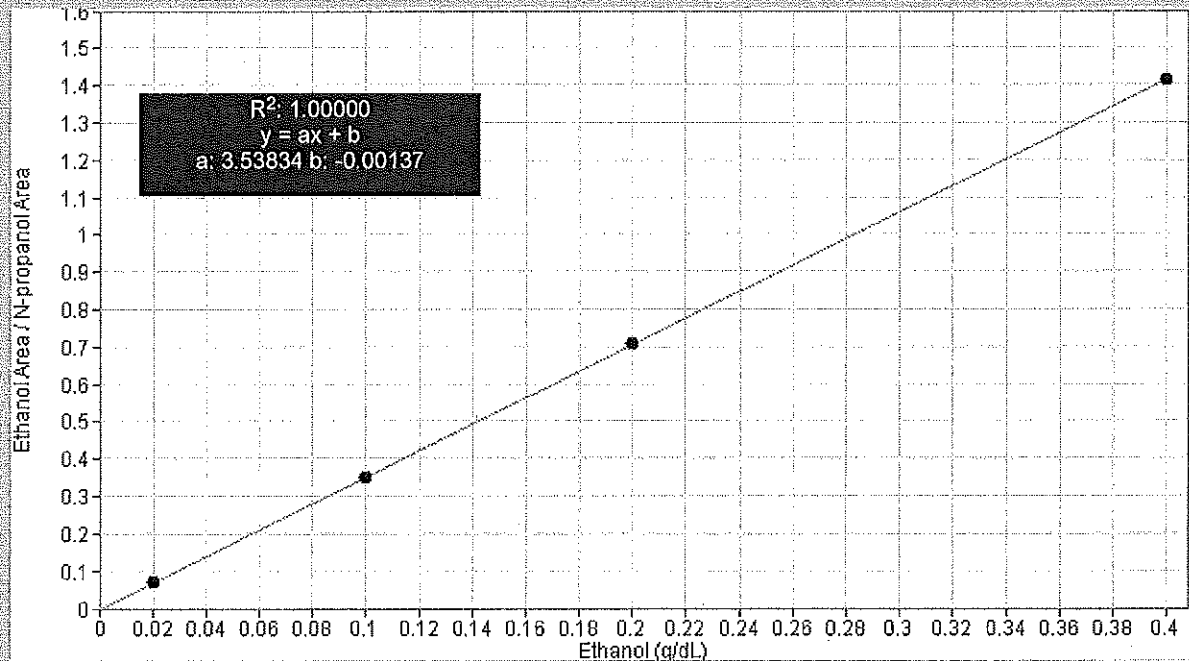
SEQUENCE NAME: 27Sep17

ANALYST: Adrian WA

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 090517	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
0.20 ACQ 407041529/3	9	0.199	0.200	0.50	-0.001
0.080 Lipomed 28082014-B	20	0.080	0.080	0.00	0.000
0.150 Lipomed 09022015-C	31	0.151	0.150	0.67	0.001
0.20 ACQ 407041529/3	42	0.200	0.200	0.00	0.000
0.40 Lipomed 08012015-C	51	0.410	0.400	2.50	0.010
0.04 Lipomed 09022015-A	52	0.039	0.040	2.50	-0.001
0.20 ACQ 407041529/3	53	0.204	0.200	2.00	0.004
blank 090517	54	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.509	181.765	0.069
0.100	63.127	178.865	0.353
0.200	125.755	177.948	0.707
0.400	255.488	180.726	1.414

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 9/27/2017 10:01:06 AM	Vial: 1
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\1.D	

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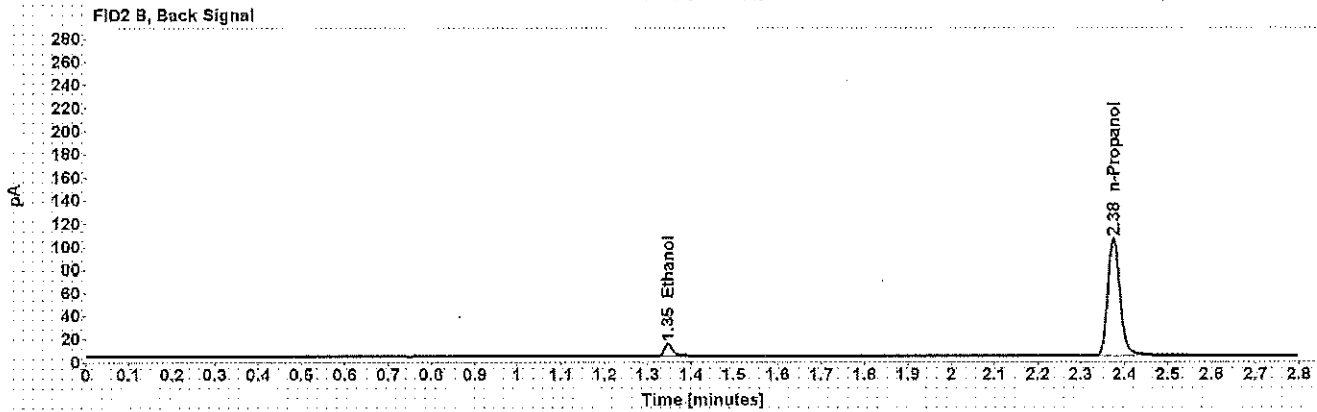
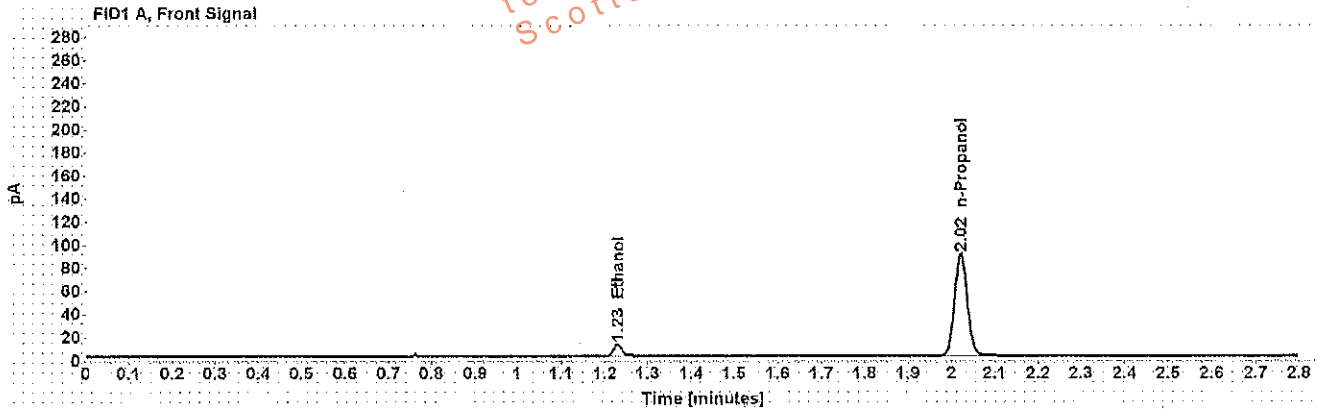


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.230	12.509
n-Propanol	2.021	181.765

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

Compound	Time (min)	Peak Area
Ethanol	1.347	13.556
n-Propanol	2.375	198.765

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.100 Cerilliant FN06181501	Item number:
Injection date: 9/27/2017 10:05:06 AM	Vial: 2
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\27Sep17\2.D	

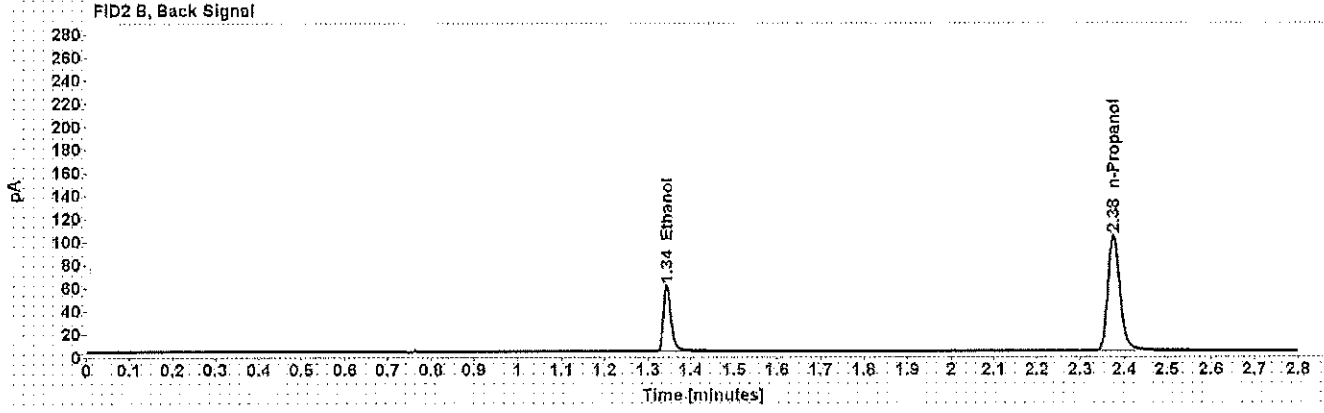
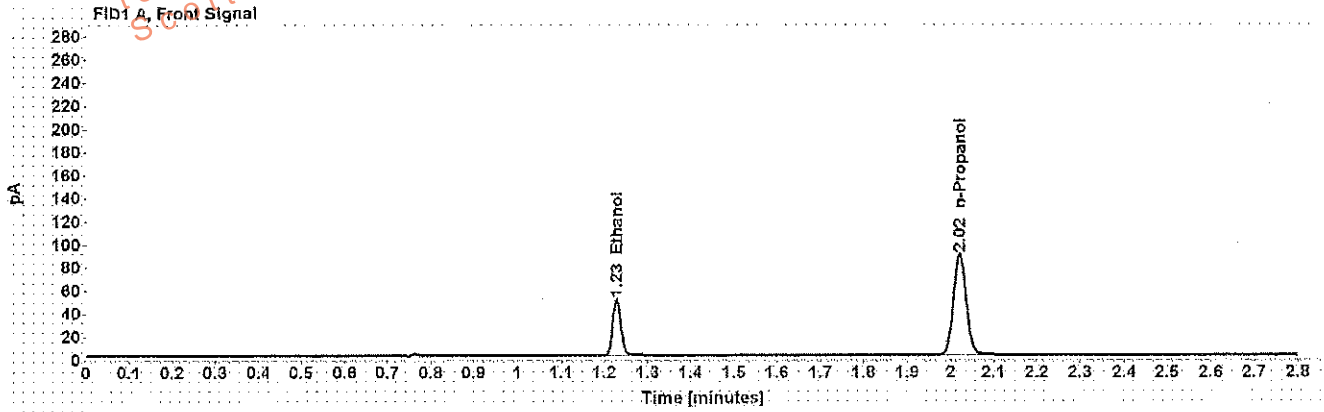


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.228	63.127
n-Propanol	2.021	178.865

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

Compound	Time (min)	Peak Area
Ethanol	1.344	70.922
n-Propanol	2.375	195.169

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 9/27/2017 10:09:06 AM	Vial: 3
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\3.D	

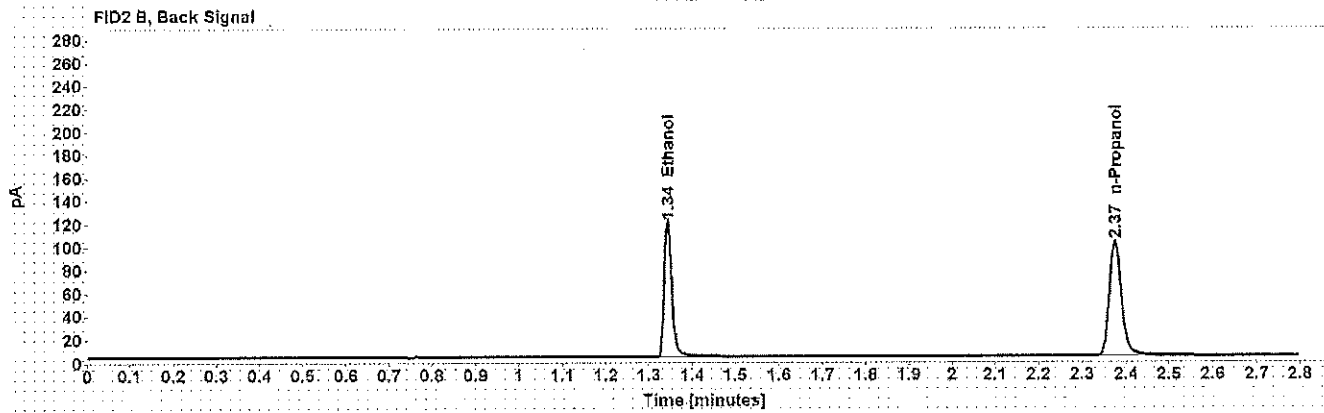
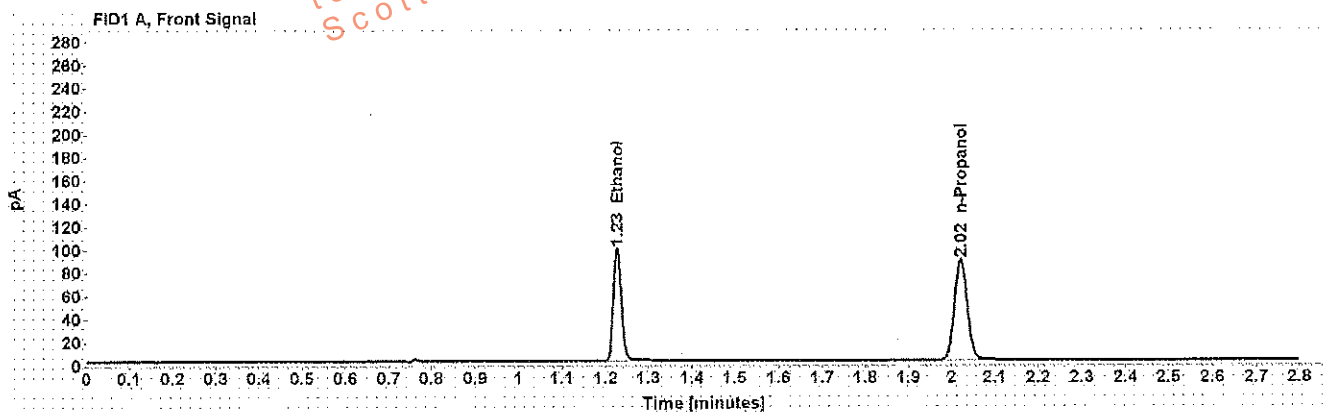


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.227	125.755
n-Propanol	2.021	177.948

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

Compound	Time (min)	Peak Area
Ethanol	1.343	143.660
n-Propanol	2.375	193.953

Scottsdale Police Department Crime Lab Volatiles Analysis

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Scottsdale City Prosecutor

WM

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 9/27/2017 10:13:06 AM	Vial: 4
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\4.D	

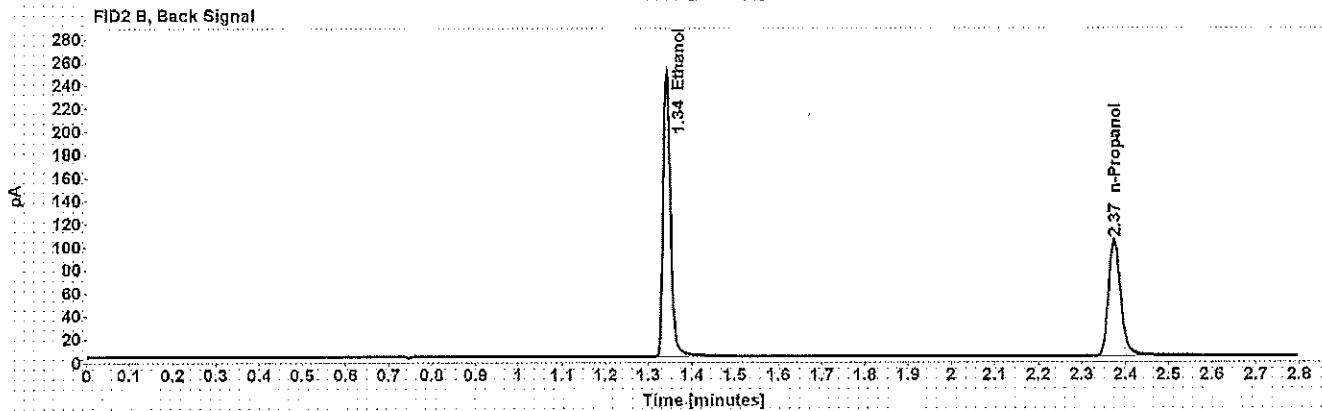
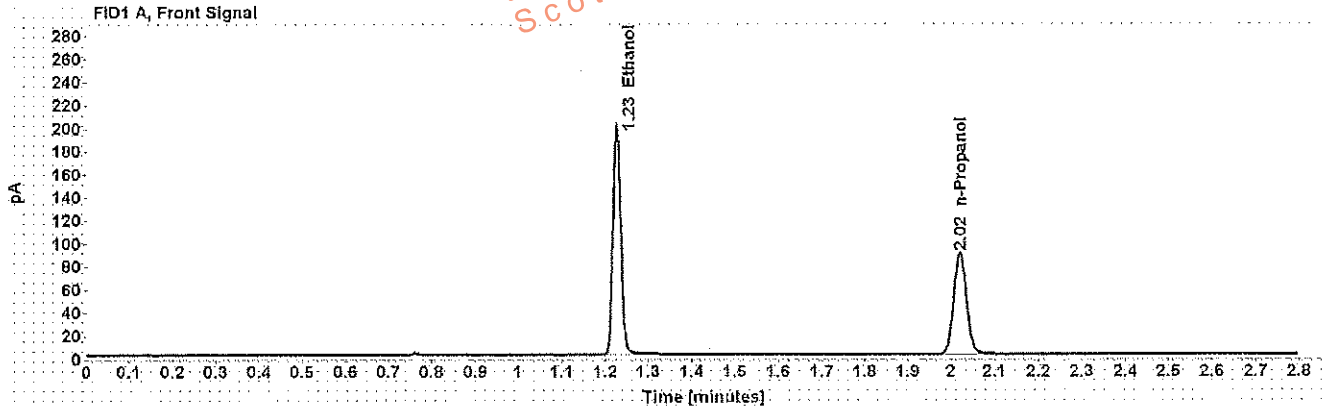


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.227	255.488
n-Propanol	2.020	180.726

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

Compound	Time (min)	Peak Area
Ethanol	1.342	294.526
n-Propanol	2.374	196.911

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: blank 090517	Item number:
Injection date: 9/27/2017 10:17:06 AM	Vial: 5
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\5.D	

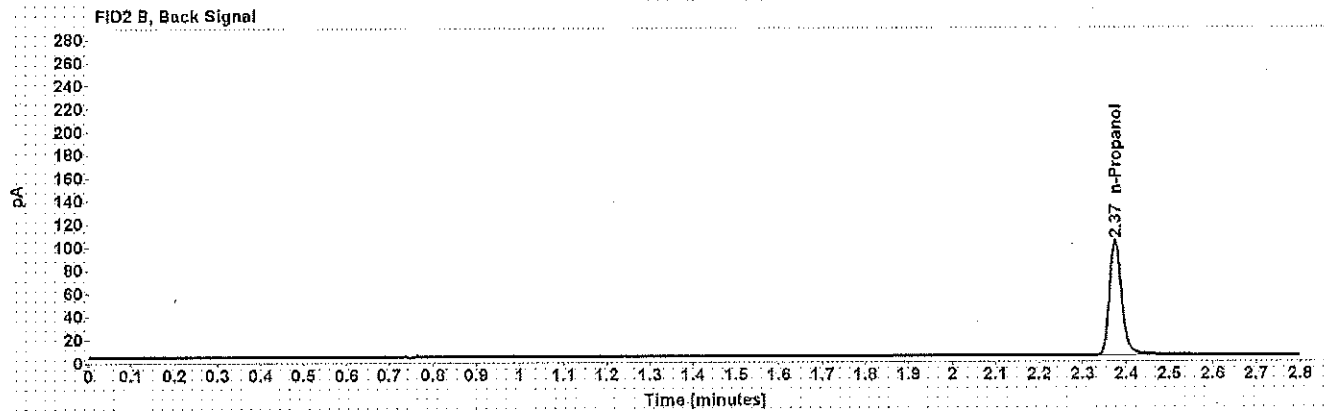
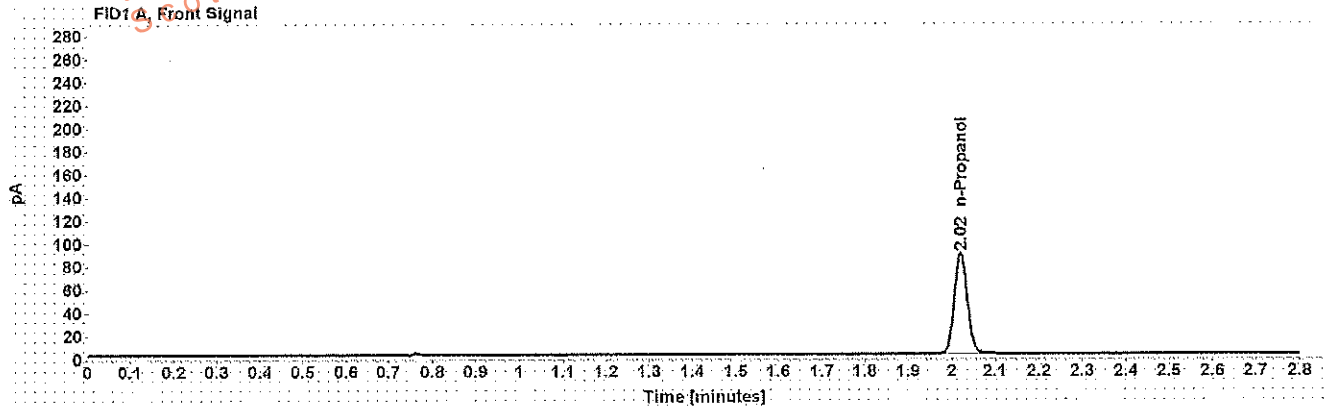


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.021	178.796

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	194.313

Scottsdale Police Department Crime Lab Volatiles Analysis

w/A

Sample: volatiles mix 020917 WLA	Item number: 6
Injection date: 9/27/2017 10:21:06 AM	Vial: 6
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\27Sep17\6.D	

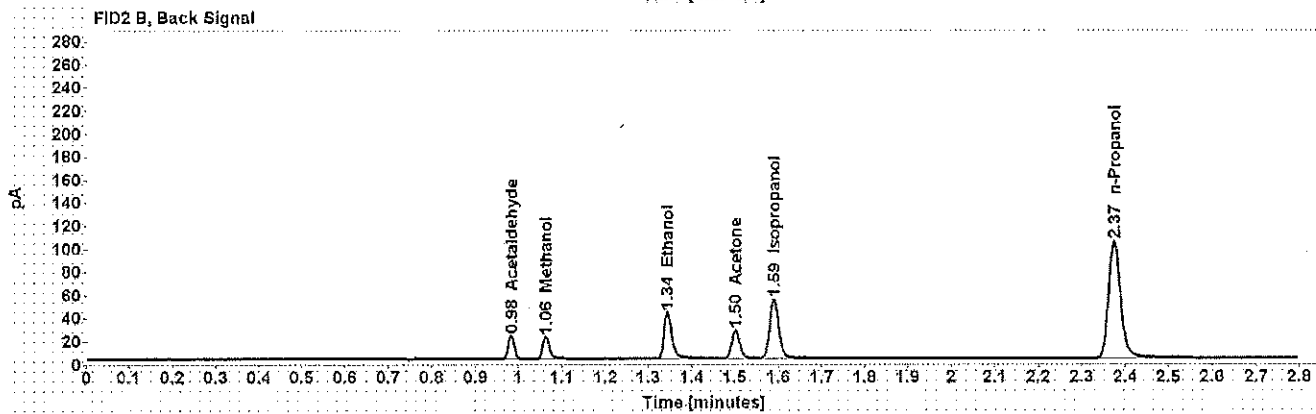
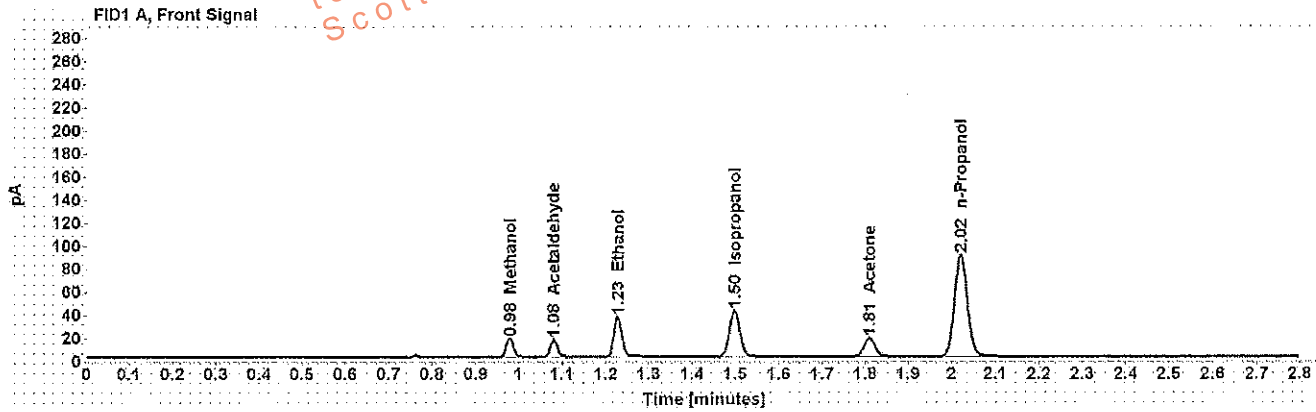


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.979	18.189
Acetaldehyde	-----	1.081	16.166
>Ethanol	0.0706	1.228	45.069
Isopropanol	-----	1.498	65.760
Acetone	-----	1.810	28.239
n-Propanol	-----	2.021	181.334

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	19.488
Methanol	1.063	20.515
Ethanol	1.344	50.404
Acetone	1.501	30.548
Isopropanol	1.590	76.074
n-Propanol	2.375	197.968

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 9/27/2017 10:25:21 AM	Vial: 7
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\7.D	

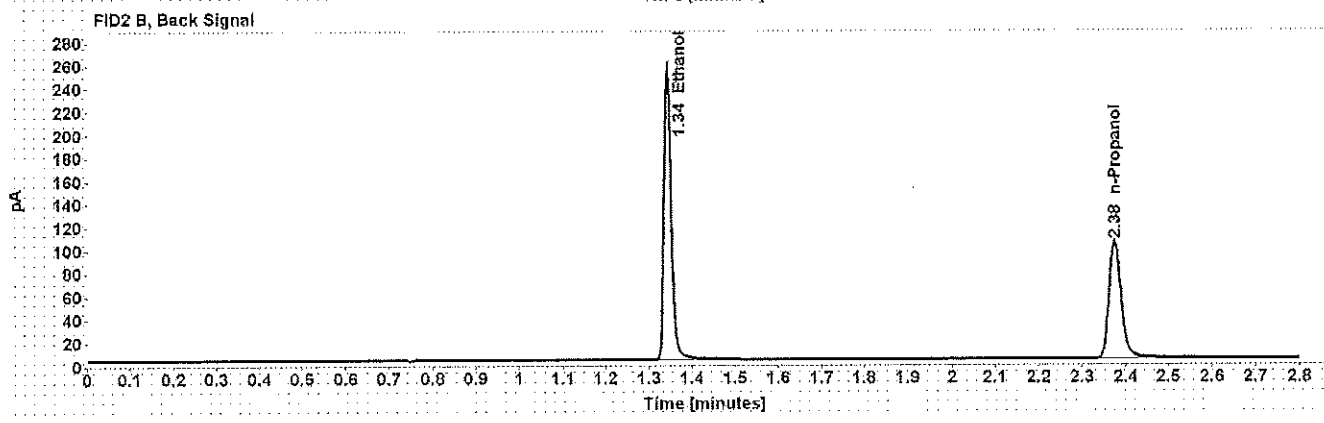
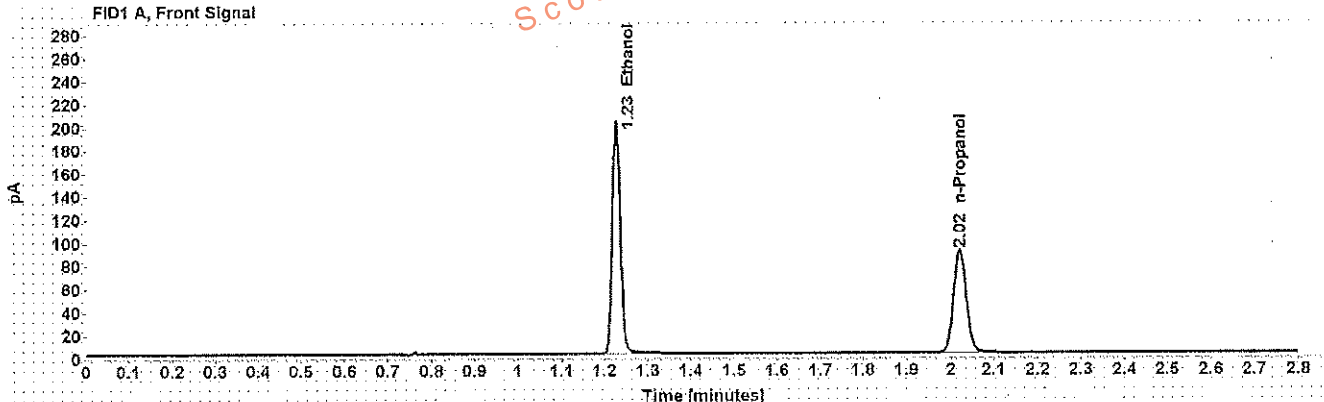


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4043	1.227	260.646
n-Propanol	-----	2.021	182.383

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

Compound	Time (min)	Peak Area
Ethanol	1.343	301.208
n-Propanol	2.375	198.857

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.040 Lipomed 09022015-A	Item number:
Injection date: 9/27/2017 10:29:21 AM	Vial: 8
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
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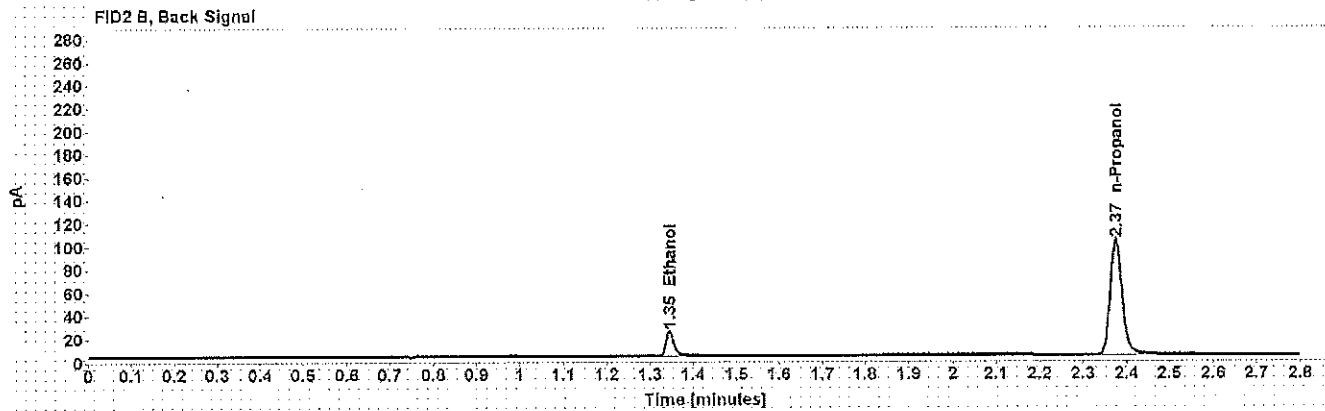
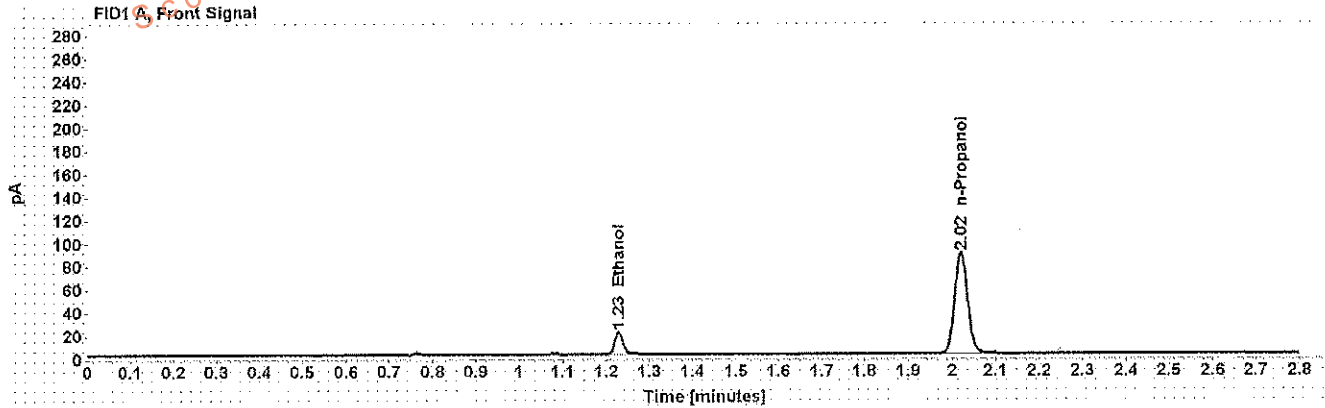


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0394	1.229	24.704
n-Propanol	-----	2.021	178.831

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

Compound	Time (min)	Peak Area
Ethanol	1.345	27.336
n-Propanol	2.375	195.256

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 9/27/2017 10:33:21 AM	Vial: 9
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27 Sep 17\9.D	

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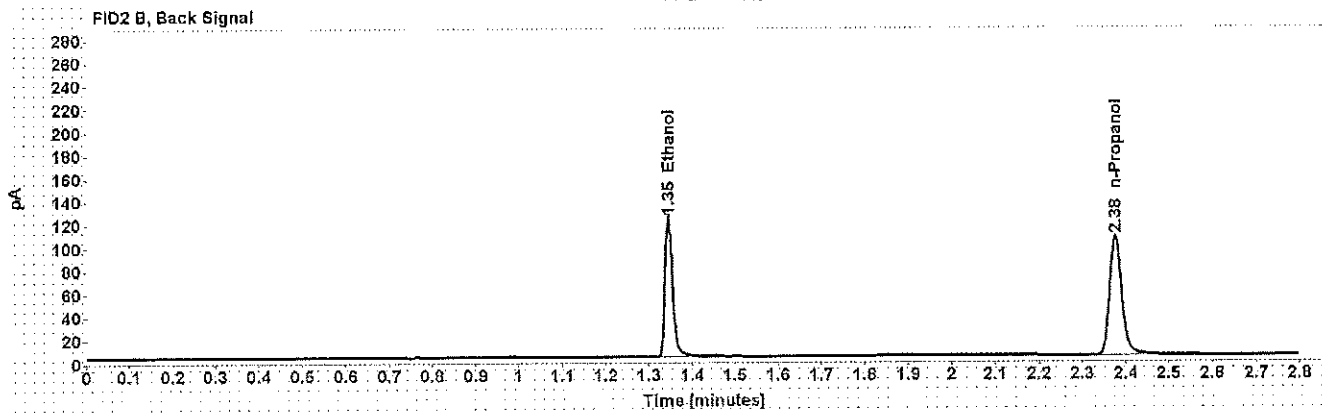
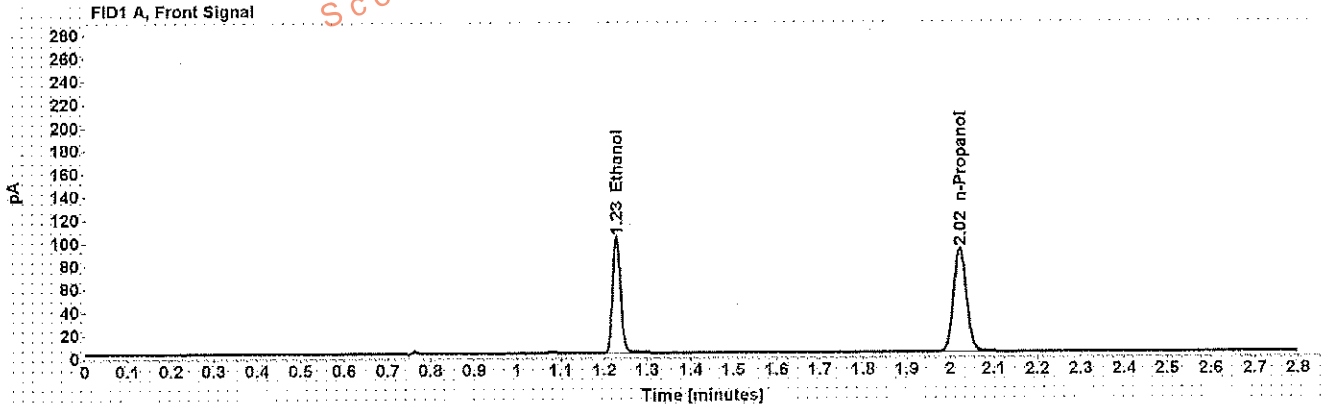


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1996	1.229	129.995
n-Propanol	-----	2.022	184.452

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

Compound	Time (min)	Peak Area
Ethanol	1.345	148.340
n-Propanol	2.377	201.852

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample:	0.080 Lipomed 28082014-B	Item number:	
Injection date:	9/27/2017 11:17:51 AM	Vial:	20
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\27Sep17\20.D		

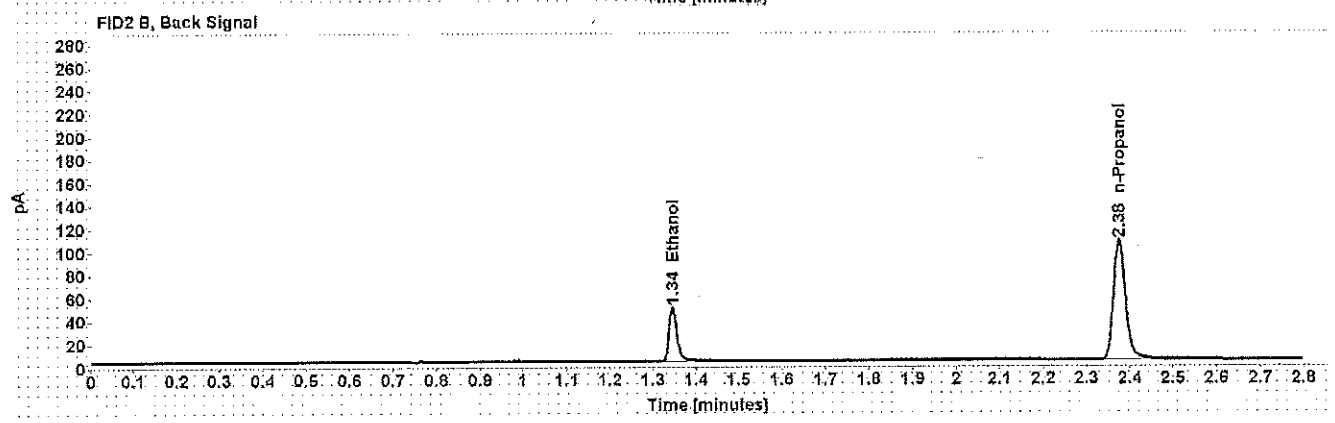
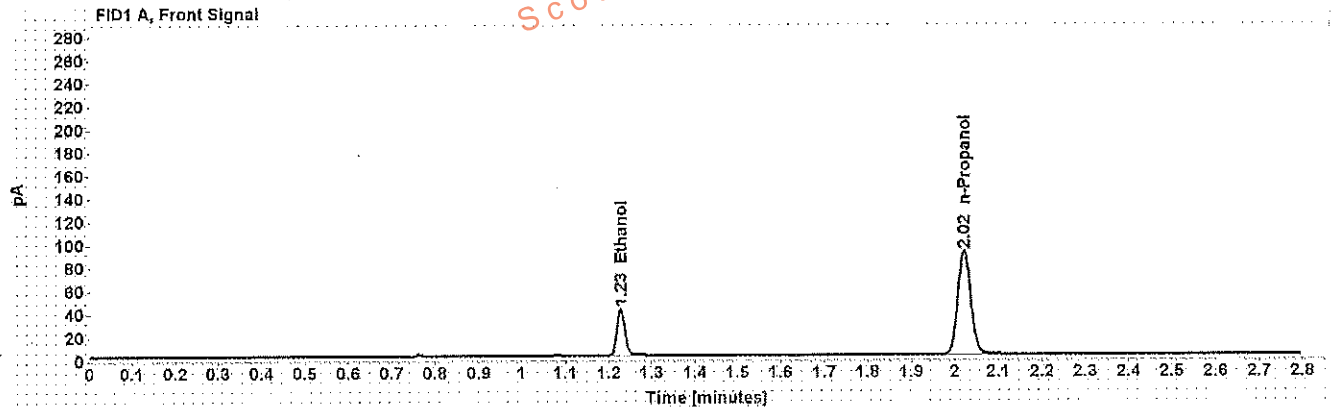


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0805	1.229	52.151
n-Propanol	-----	2.021	183.960

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

Compound	Time (min)	Peak Area
Ethanol	1.345	59.060
n-Propanol	2.375	202.311

Scottsdale Police Department Crime Lab Volatiles Analysis

w/a

Sample: 0.150 Lipomed 09022015-C	Item number:
Injection date: 9/27/2017 12:02:21 PM	Vial: 31
Method: ethanol quant M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\31.D	

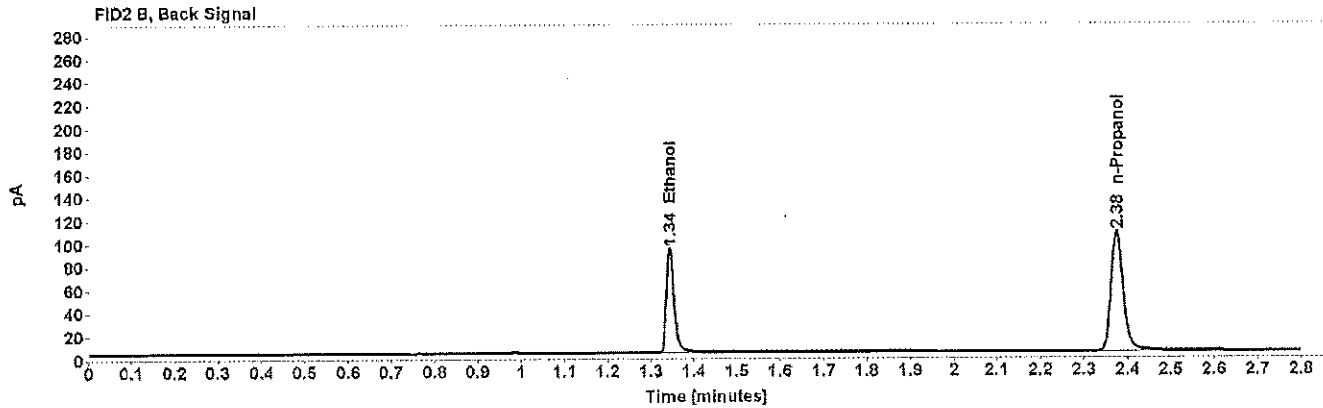
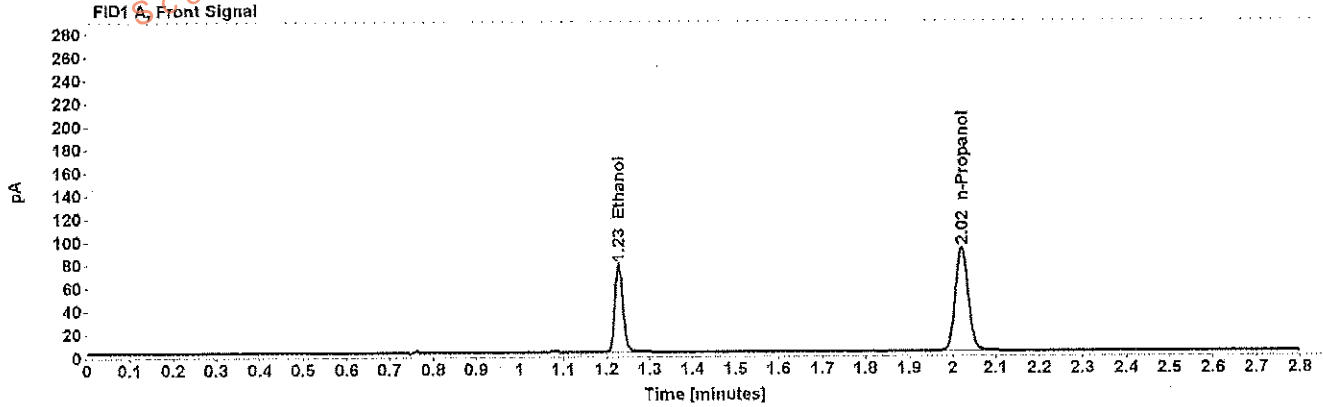


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1516	1.228	98.381
n-Propanol	-----	2.021	183.859

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

Compound	Time (min)	Peak Area
Ethanol	1.344	112.766
n-Propanol	2.376	203.645

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 9/27/2017 12:46:36 PM	Vial: 42
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\27Sep17\42.D	

WM

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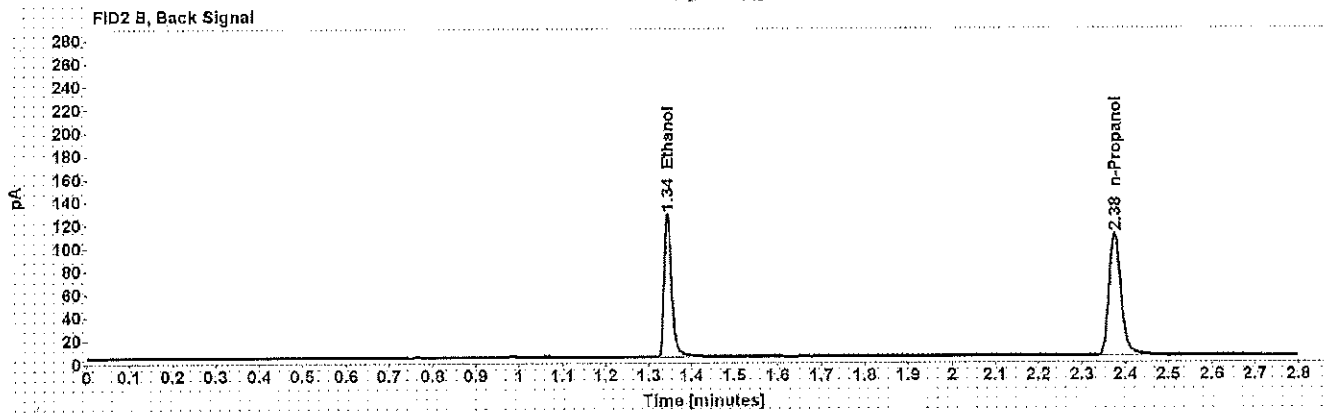
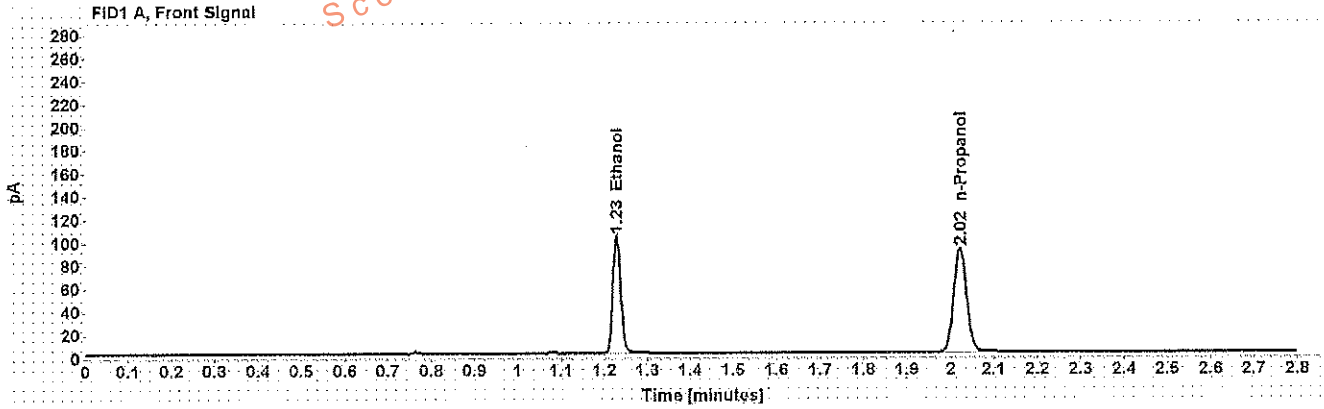


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2002	1.228	131.173
n-Propanol	-----	2.021	185.543

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

Compound	Time (min)	Peak Area
Ethanol	1.344	152.300
n-Propanol	2.376	207.271

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.40 Lipomed 08012015-C	Item number:
Injection date: 9/27/2017 1:23:06 PM	Vial: 51
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
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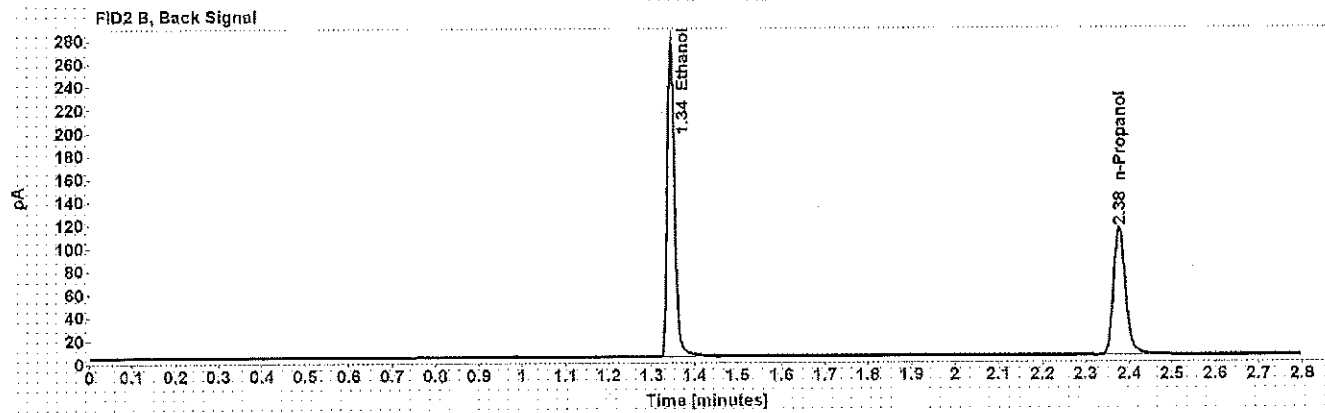
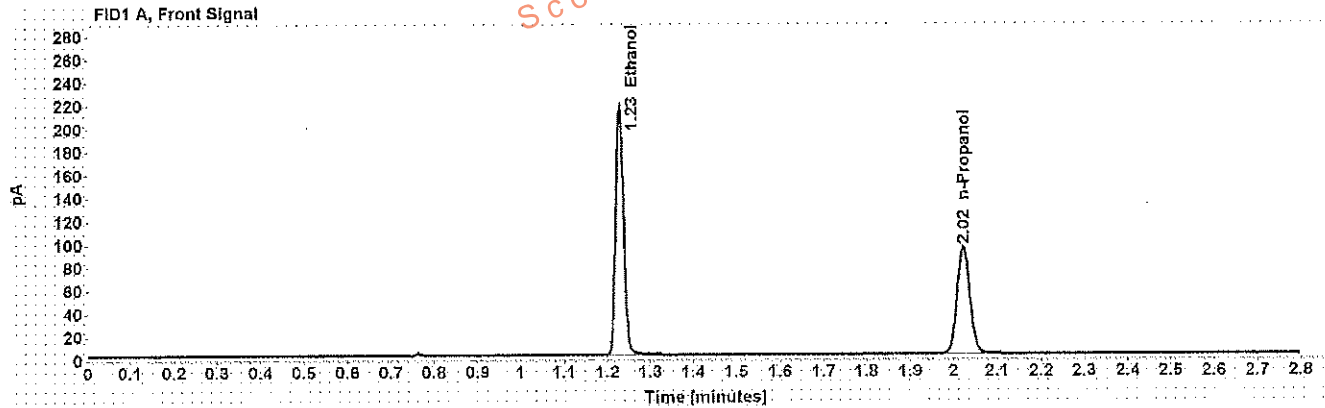


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4109	1.229	276.634
n-Propanol	-----	2.022	190.432

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

Compound	Time (min)	Peak Area
Ethanol	1.345	325.628
n-Propanol	2.377	214.322

Scottsdale Police Department Crime Lab Volatiles Analysis

WMA

Sample: 0.04 Lipomed 09022015-A Injection date: 9/27/2017 1:27:06 PM Method: ethanol quant M Instrument: US14173023 CN14160045 Data file: C:\Chem32\11Data\27Sep17\52.D	Item number: Vial: 52 Sequence: 27Sep17 Analyst: Adrian
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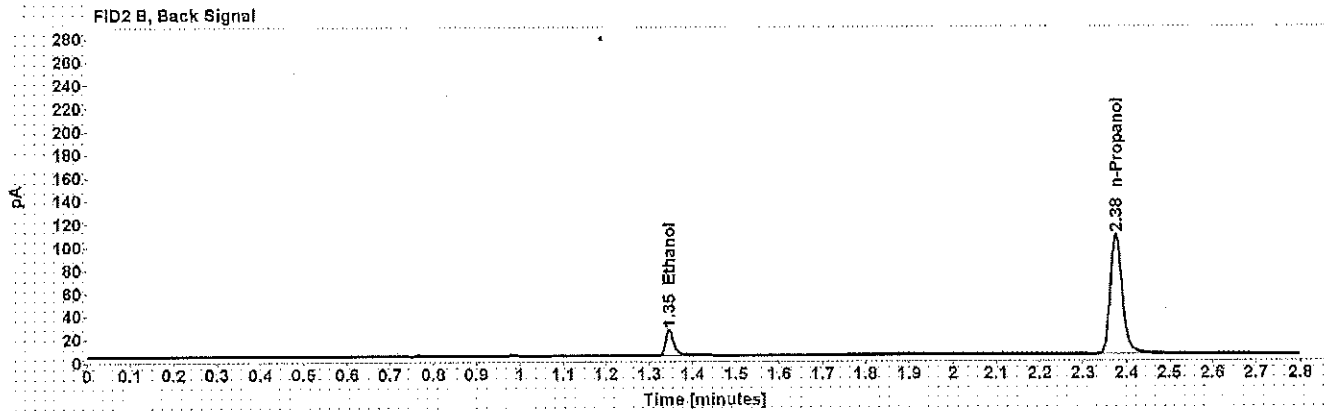
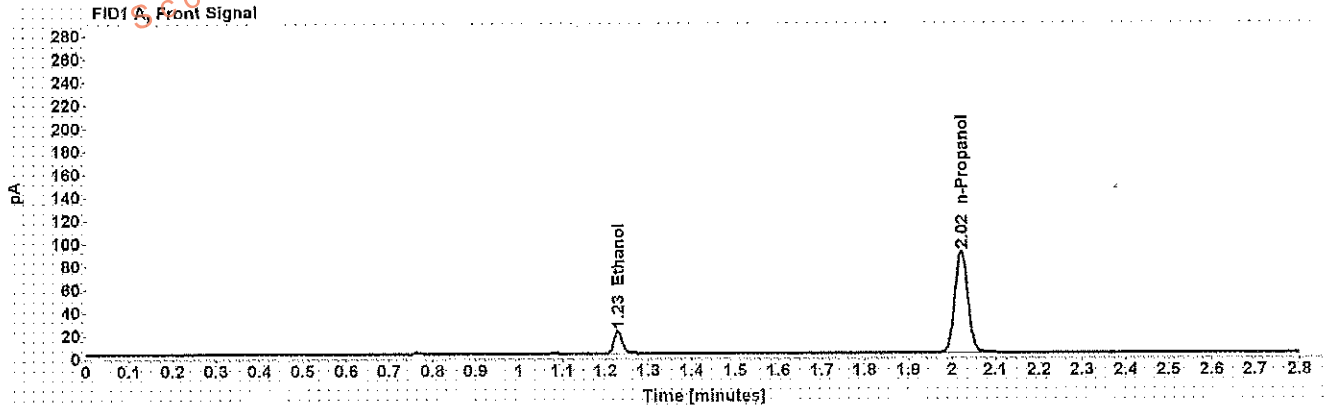


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0398	1.229	25.286
n-Propanol	-----	2.021	181.129

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

Compound	Time (min)	Peak Area
Ethanol	1.346	28.739
n-Propanol	2.376	203.395

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 9/27/2017 1:31:06 PM	Vial: 53
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
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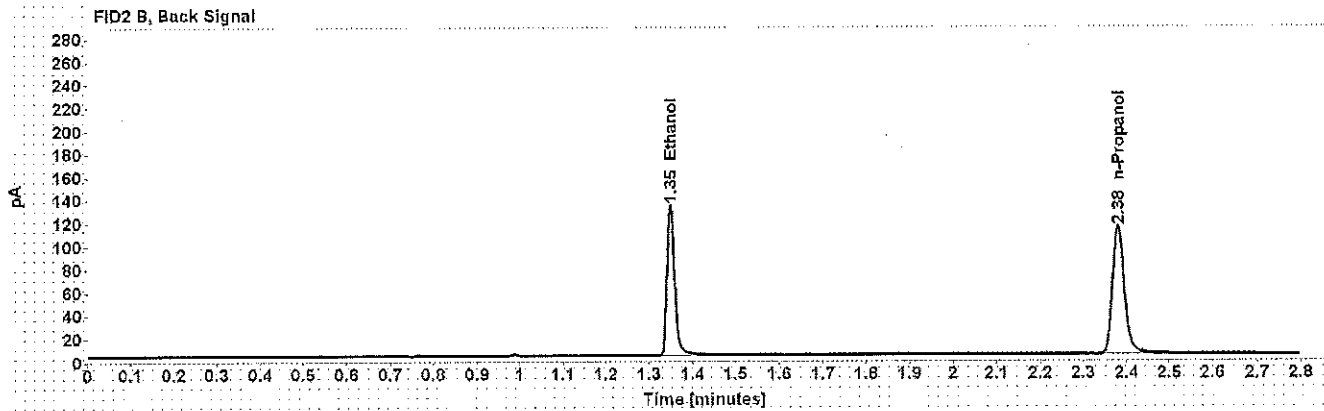
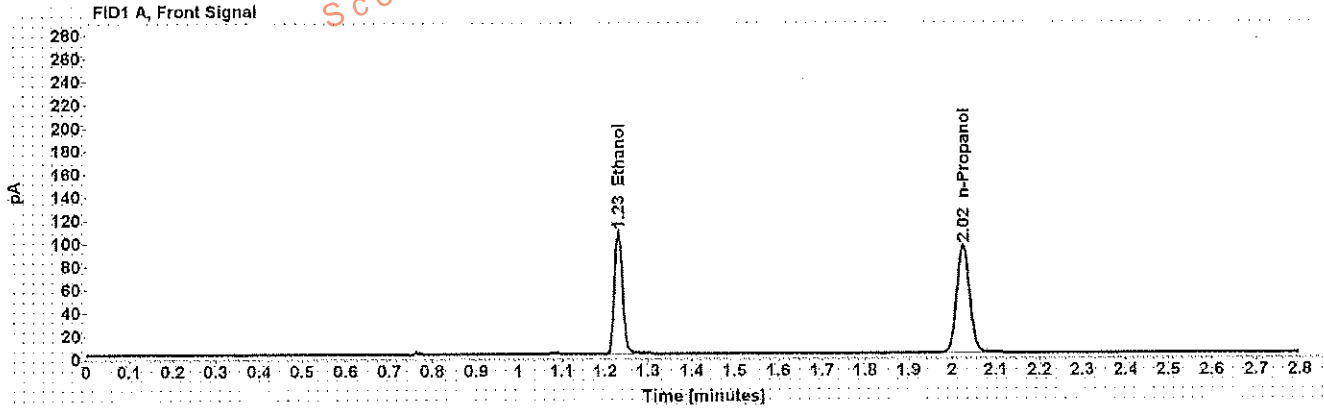


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2041	1.232	138.158
n-Propanol	-----	2.025	191.651

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

Compound	Time (min)	Peak Area
Ethanol	1.349	160.926
n-Propanol	2.381	215.160

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: blank 090517	Item number:
Injection date: 9/27/2017 1:35:06 PM	Vial: 54
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
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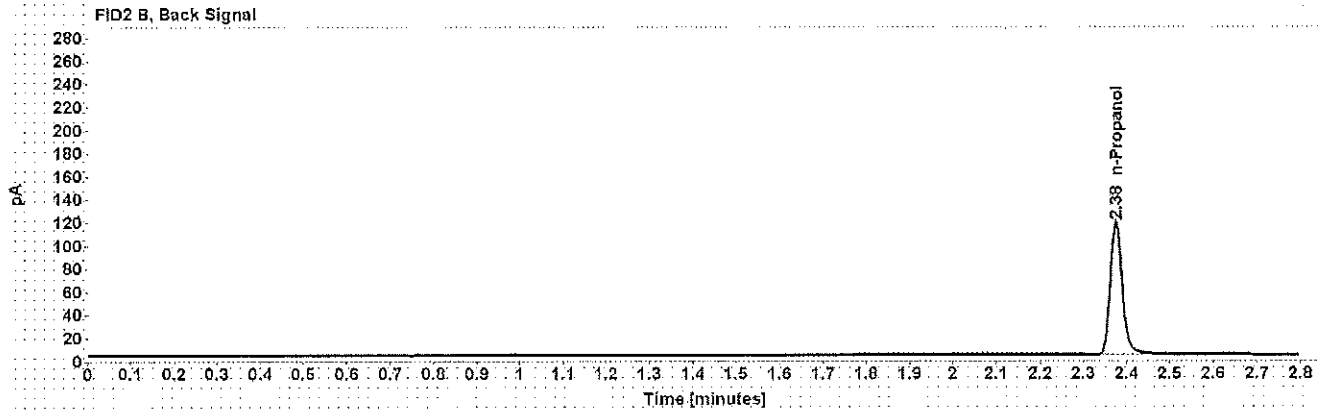
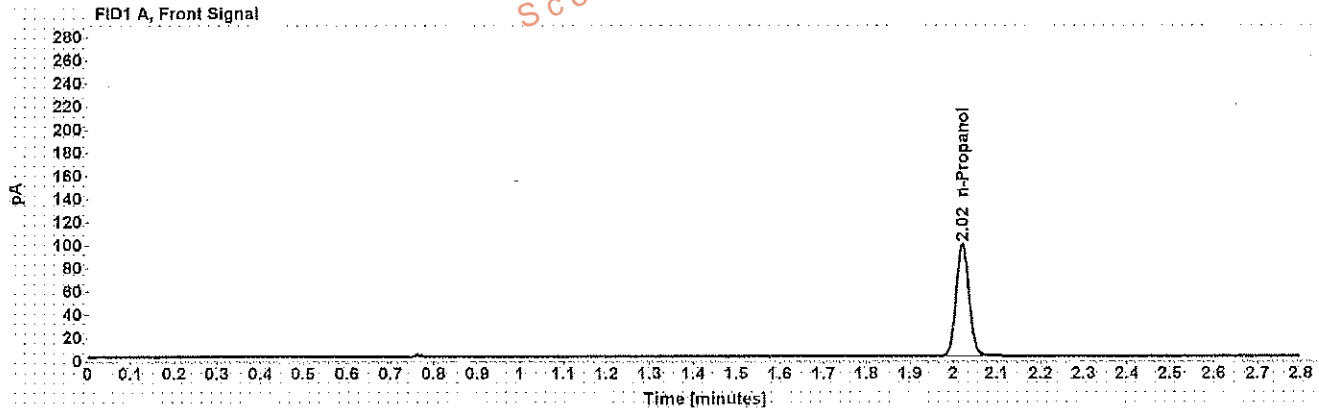


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.021	199.226

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	224.217

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 27Sep17

ANALYST: Adrian WA

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0894	0.0895	0.08945	0.06	0.00005
12 13	0.0448	0.0453	0.04505	0.55	0.00025
14 15	0.0000	0.0000	0.00000	0.00	0.00000
16 17	0.0725	0.0712	0.07185	0.90	0.00065
18 19	0.1943	0.1952	0.19475	0.23	0.00045
21 22	0.1718	0.1678	0.16980	1.18	0.00200
23 24	0.1086	0.1082	0.10840	0.18	0.00020
25 26	0.1387	0.1433	0.14100	1.63	0.00230
27 28	0.2923	0.2960	0.29415	0.63	0.00185
29 30	0.1700	0.1680	0.16900	0.59	0.00100
32 33	0.0739	0.0749	0.07440	0.67	0.00050
34 35	0.1949	0.1934	0.19415	0.39	0.00075
36 37	0.2777	0.2731	0.27540	0.84	0.00230
38 39	0.0859	0.0864	0.08615	0.29	0.00025
40 41	0.2093	0.2100	0.20965	0.17	0.00035
43 44	0.1956	0.1956	0.19560	0.00	0.00000
45 46	0.1905	0.1894	0.18995	0.29	0.00055
47 48	0.2450	0.2472	0.24610	0.45	0.00110
49 50	0.0155	0.0153	0.01540	0.65	0.00010

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

Sequence Summary

WA

Sequence name: 27Sep17 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 090517	Control		ethanol quant.M
6	volatiles mix 020917 WLA	Control		ethanol quant.M
7	0.400 Lipomed 08012015-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.20 ACQ 407041529/3	Control		ethanol quant.M
10		Sample	1165693	ethanol quant.M
11		Sample	1165693	ethanol quant.M
12		Sample	1174867	ethanol quant.M
13		Sample	1174867	ethanol quant.M
14		Sample	1174970	ethanol quant.M
15		Sample	1174970	ethanol quant.M
16		Sample	1174990	ethanol quant.M
17		Sample	1174990	ethanol quant.M
18		Sample	1143639	ethanol quant.M
19		Sample	1143639	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1174963	ethanol quant.M
22		Sample	1174963	ethanol quant.M
23		Sample	1150908	ethanol quant.M
24		Sample	1150908	ethanol quant.M
25		Sample	1174573	ethanol quant.M
26		Sample	1174573	ethanol quant.M
27		Sample	1174375	ethanol quant.M
28		Sample	1174375	ethanol quant.M
29		Sample	1174968	ethanol quant.M
30		Sample	1174968	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32		Sample	1175150	ethanol quant.M
33		Sample	1175150	ethanol quant.M
34		Sample	335-01A	ethanol quant.M
35		Sample	335-01A	ethanol quant.M
36		Sample	321-01A	ethanol quant.M
37		Sample	321-01A	ethanol quant.M
38		Sample	310-01A	ethanol quant.M
39		Sample	310-01A	ethanol quant.M
40		Sample	1156981	ethanol quant.M
41		Sample	1156981	ethanol quant.M
42	0.20 ACQ 407041529/3	Control		ethanol quant.M
43		Sample	1171541	ethanol quant.M
44		Sample	1171541	ethanol quant.M
45		Sample	1171334	ethanol quant.M
46		Sample	1171334	ethanol quant.M
47		Sample	1171367	ethanol quant.M

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Sequence Summary

WA

48		Sample	1171367	ethanol quant.M
49		Sample	1171531	ethanol quant.M
50		Sample	1171531	ethanol quant.M
51	0.40 Lipomed 08012015-C	Control		ethanol quant.M
52	0.04 Lipomed 09022015-A	Control		ethanol quant.M
53	0.20 ACQ 407041529/3	Control		ethanol quant.M
54	blank 090517	Control		ethanol quant.M

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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1165693
Injection date: 9/27/2017 10:37:21 AM	Vial: 10
Method: ethanol.quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\10.D	

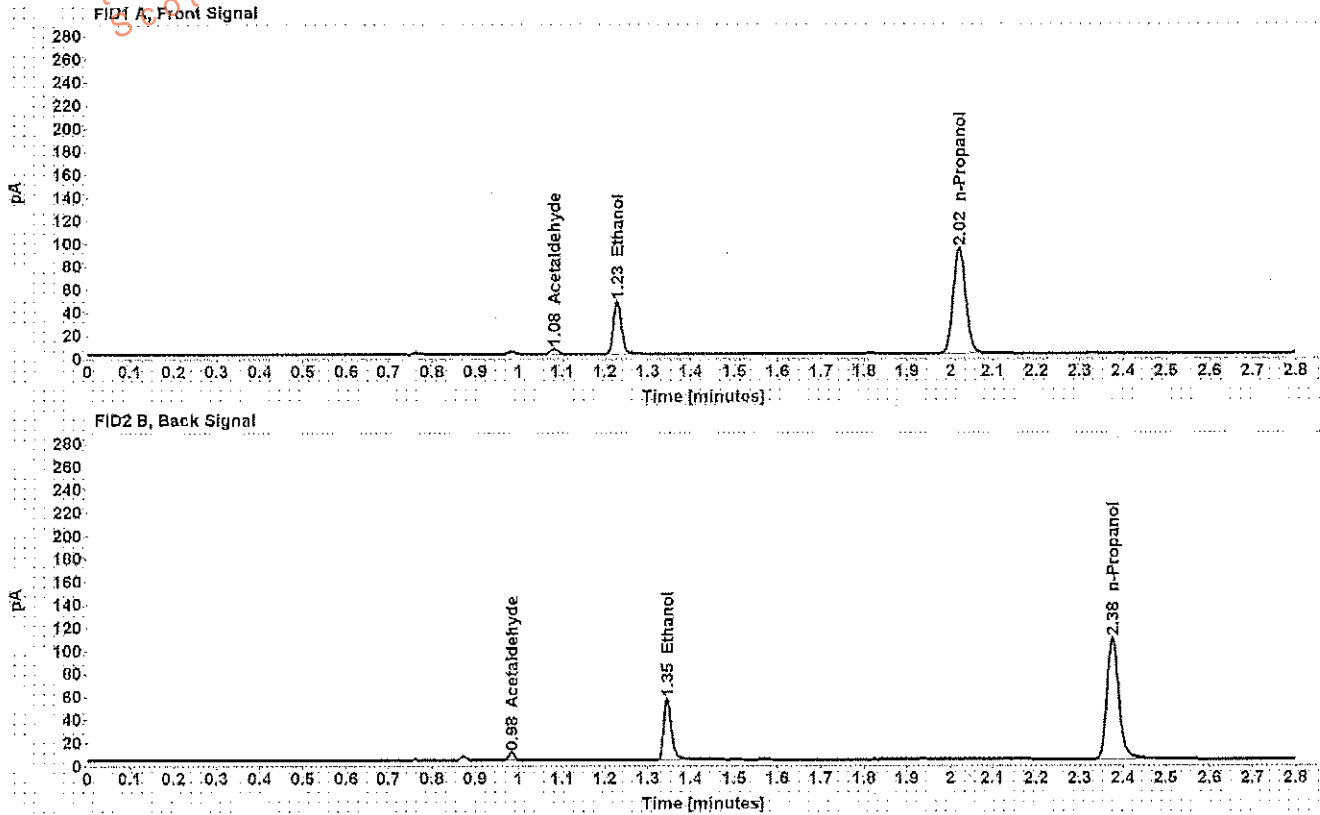


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.041
>Ethanol	0.0894	1.229	59.031
n-Propanol	-----	2.021	187.341

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.206
Ethanol	1.345	65.963
n-Propanol	2.376	206.099

Scottsdale Police Department Crime Lab Volatiles Analysis

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 Scottsdale City Prosecutor

Sample: [REDACTED]	Item number: 1165693
Injection date: 9/27/2017 10:41:21 AM	Vial: 11
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\11.D	

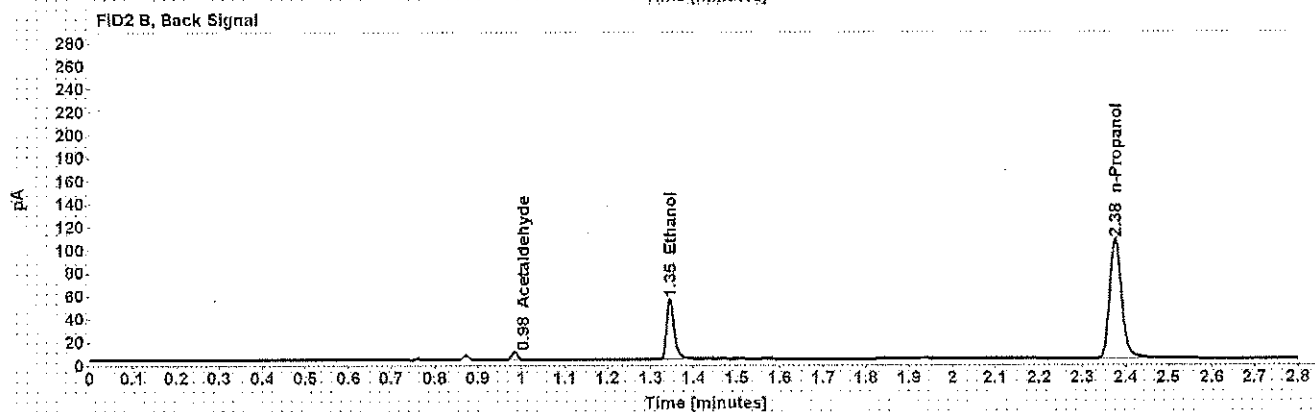
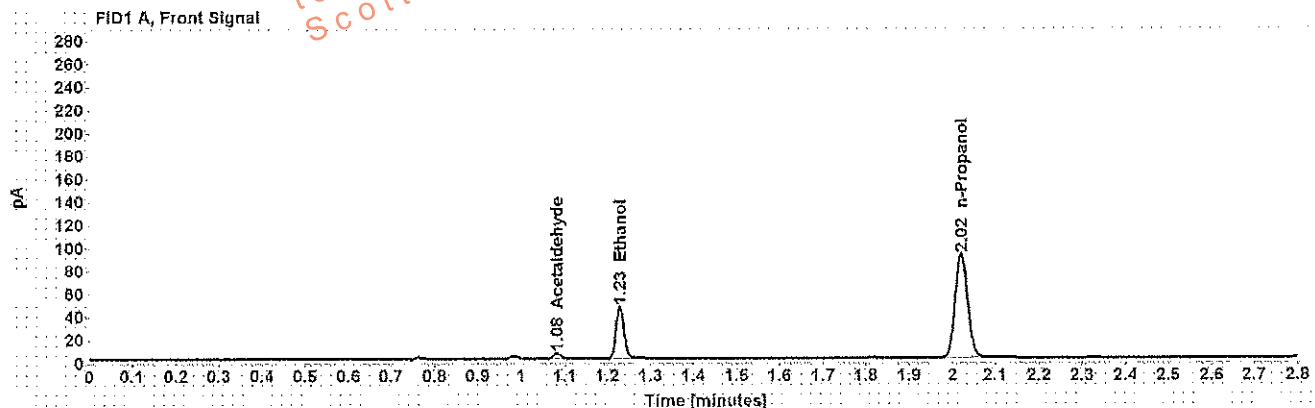


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.941
>Ethanol	0.0895	1.229	58.045
n-Propanol	-----	2.022	183.992

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.055
Ethanol	1.346	64.882
n-Propanol	2.376	202.383

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1174867
Injection date:	9/27/2017 10:45:21 AM	Vial:	12
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\27Sep17\12.D		

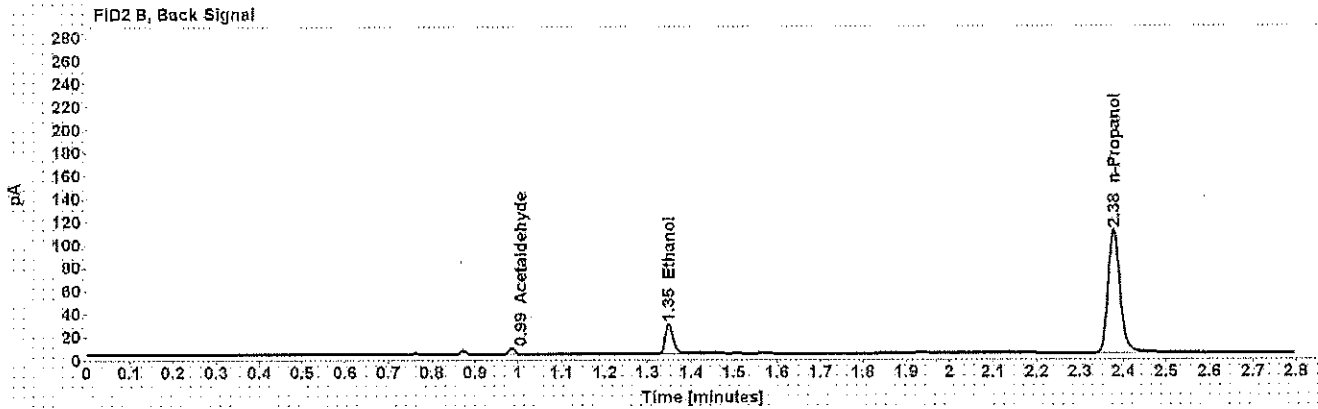
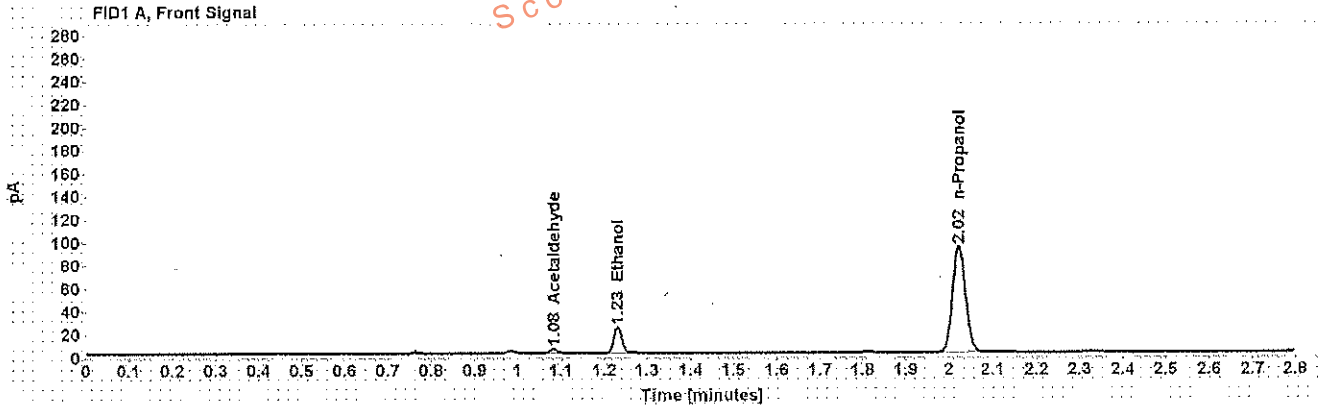


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	3.991
>Ethanol	0.0448	1.231	29.759
n-Propanol	-----	2.023	189.522

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	4.873
Ethanol	1.348	33.674
n-Propanol	2.378	209.028

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174867
Injection date: 9/27/2017 10:49:36 AM	Vial: 13
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\13.D	

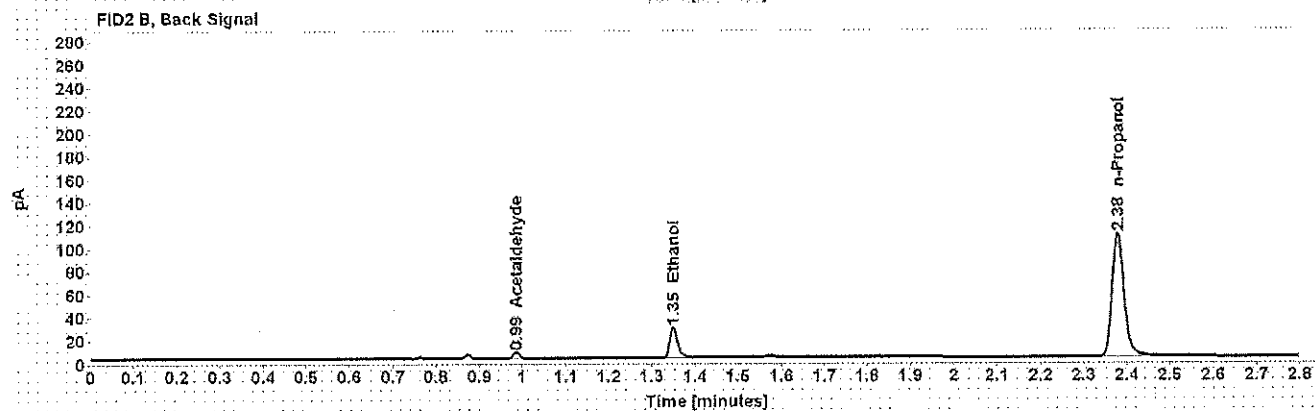
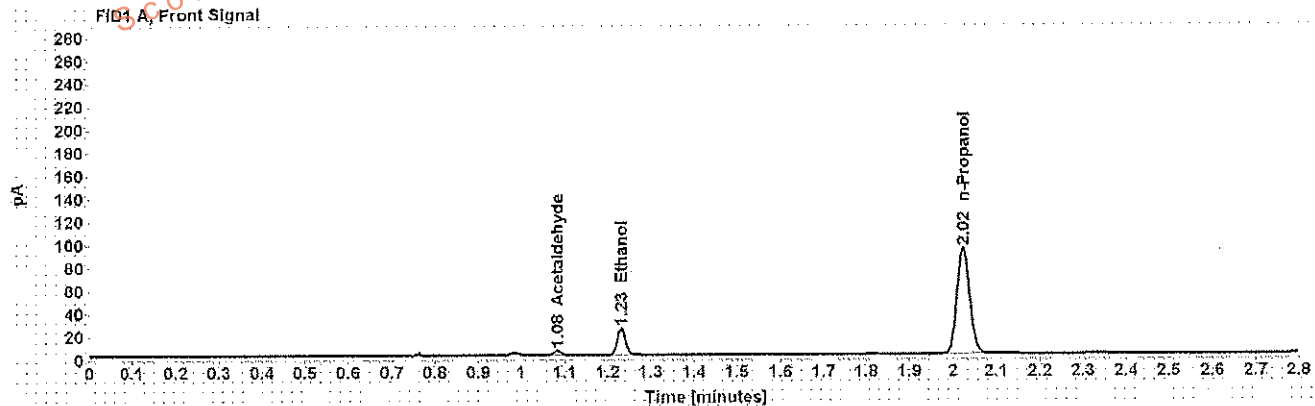


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	3.953
>Ethanol	0.0453	1.231	30.044
n-Propanol	-----	2.023	188.941

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	4.814
Ethanol	1.349	33.740
n-Propanol	2.379	208.609

Case: [REDACTED] wadrian 9/28/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1174970
Injection date: 9/27/2017 10:53:37 AM Vial: 14
Method: ethanol quant.M Sequence: 27Sep17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\14.D

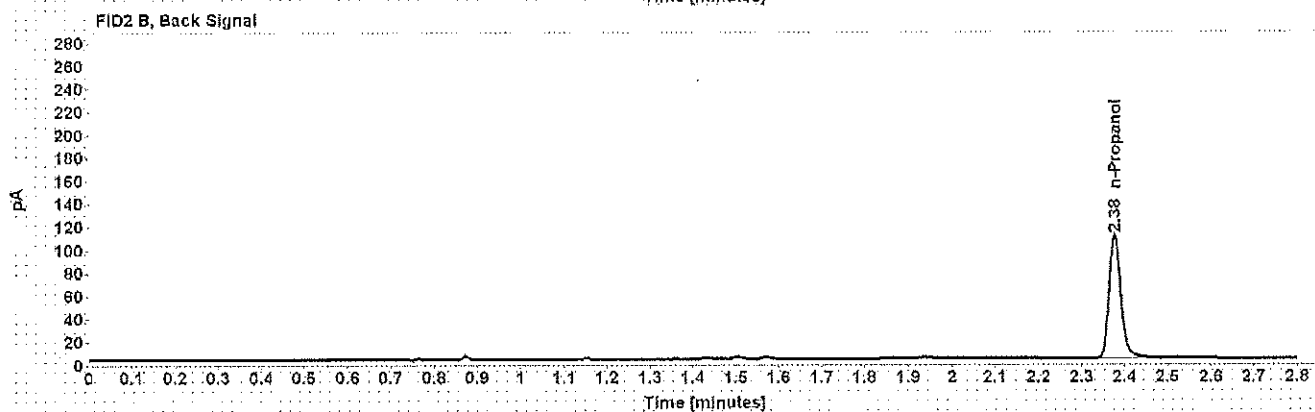
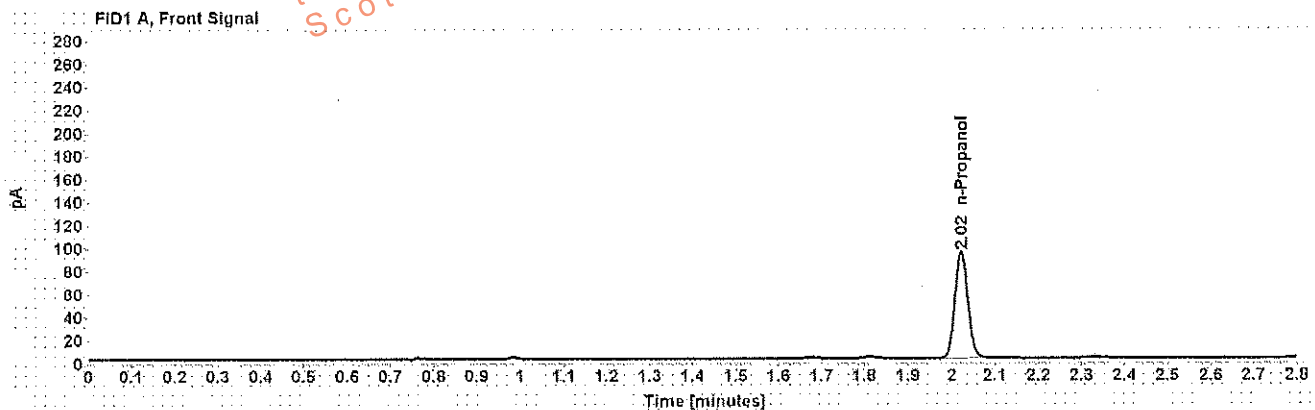


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.022	189.315

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

Compound	Time (min)	Peak Area
n-Propanol	2.377	209.143

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1174970
Injection date:	9/27/2017 10:57:37 AM	Vial:	15
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11\Data\27Sep17\15.D		

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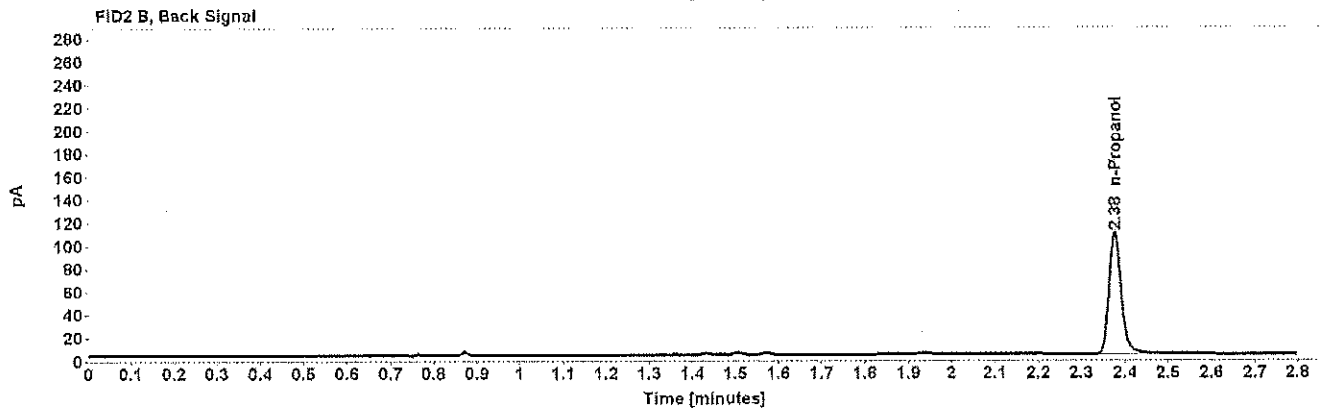
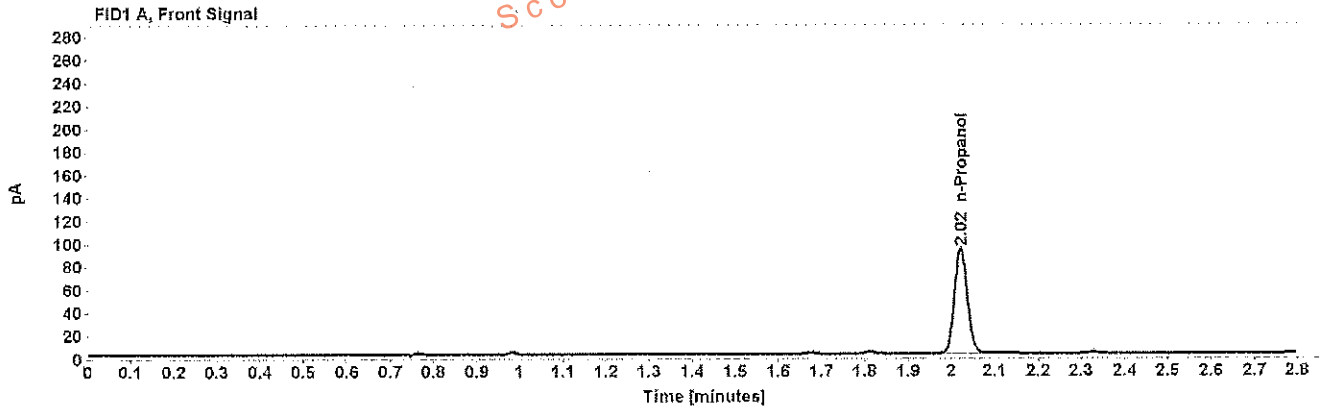


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.022	187.903

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

Compound	Time (min)	Peak Area
n-Propanol	2.376	206.161

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174990
Injection date: 9/27/2017 11:01:37 AM	Vial: 16
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\16.D	

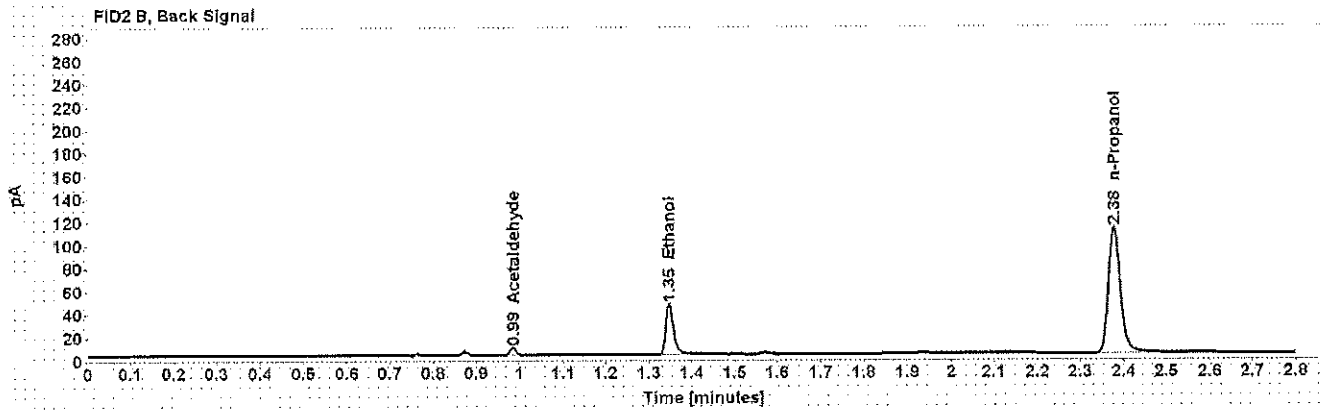
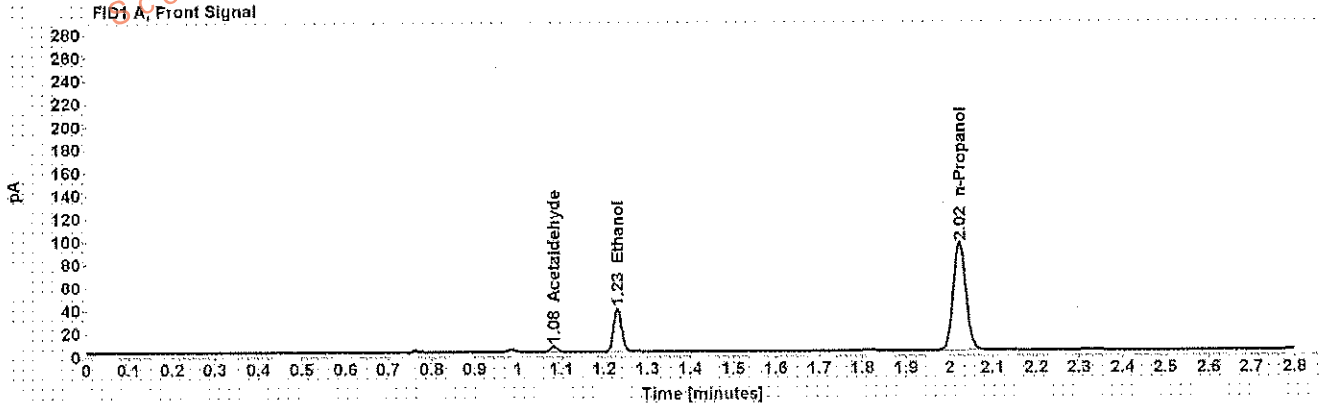


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.756
>Ethanol	0.0725	1.230	48.890
n-Propanol	-----	2.023	191.609

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	5.793
Ethanol	1.348	54.735
n-Propanol	2.378	212.215

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174990
Injection date: 9/27/2017 11:05:36 AM	Vial: 17
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023.CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\27Sep17\17.D	

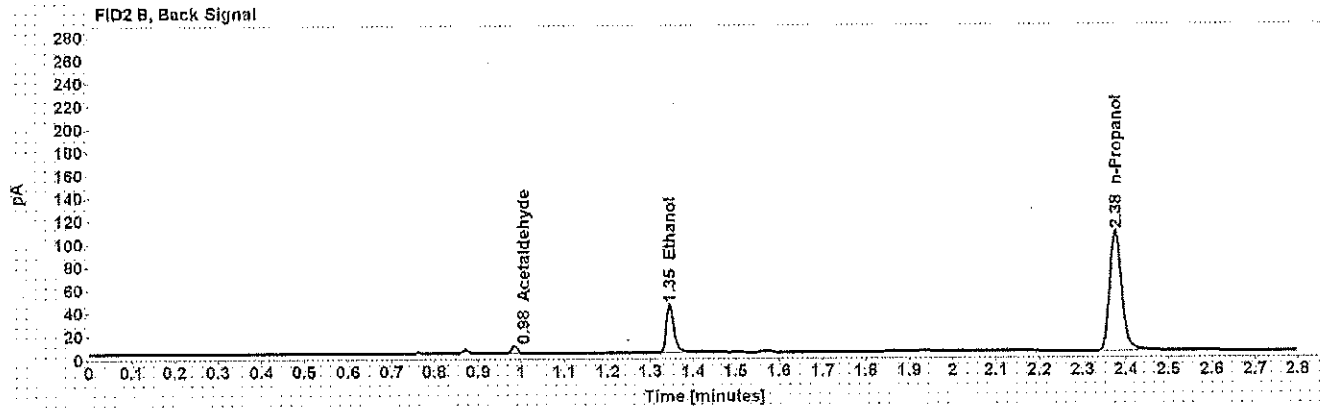
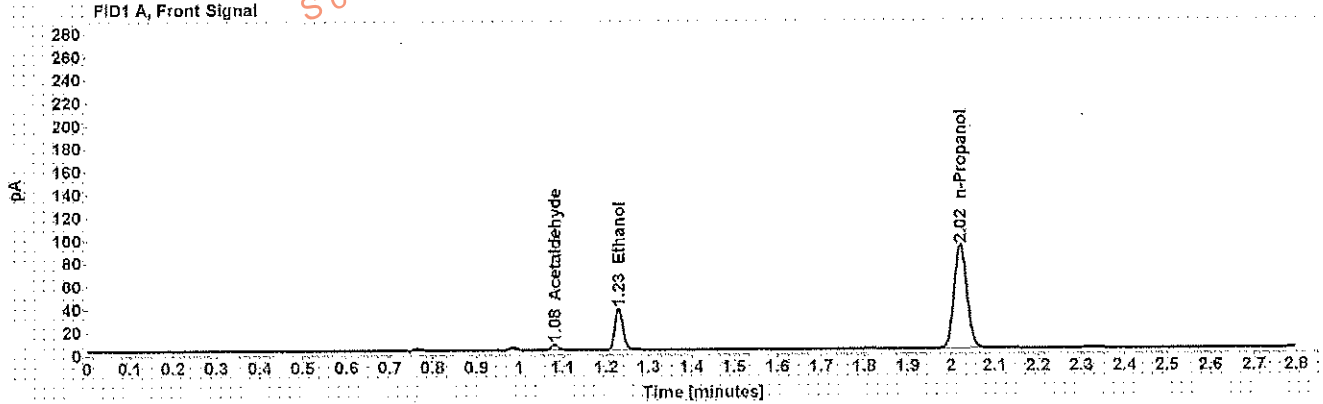


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.646
>Ethanol	0.0712	1.229	46.199
n-Propanol	-----	2.021	184.288

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.713
Ethanol	1.345	51.644
n-Propanol	2.376	203.660

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item numbers:	1143639
Injection date:	9/27/2017 11:09:37 AM	Vial:	18
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\27Sep17\18.D		

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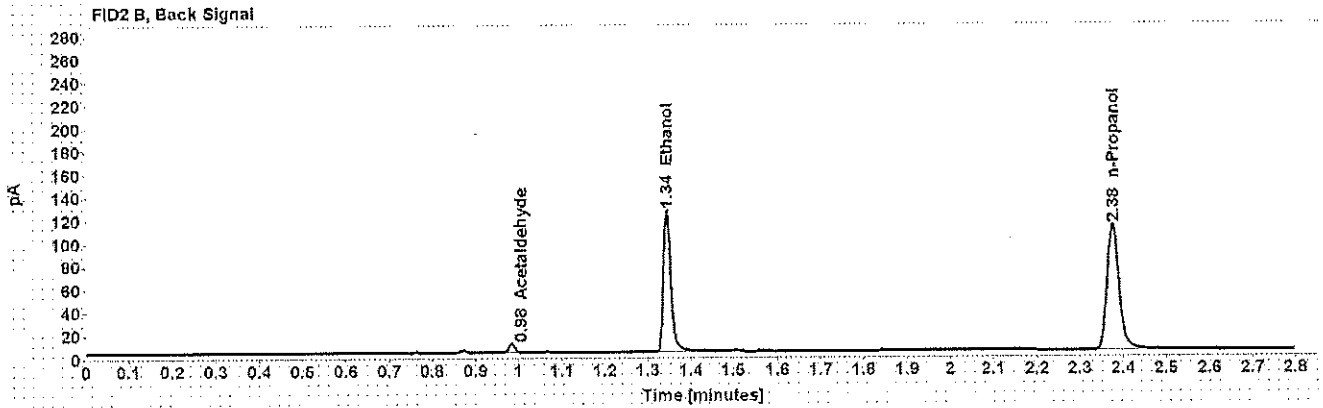
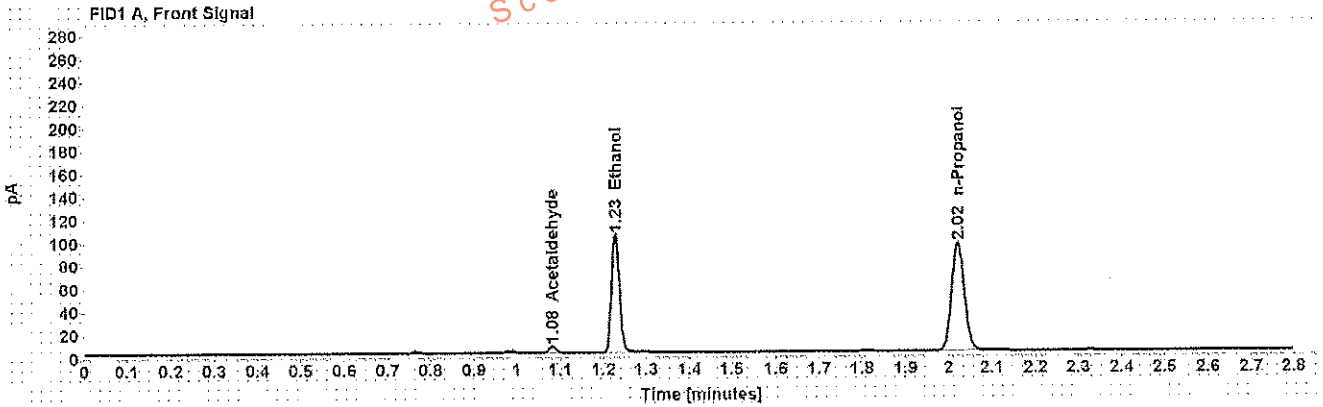


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.708
>Ethanol	0.1943	1.228	131.981
n-Propanol	-----	2.021	192.363

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.974
Ethanol	1.344	150.832
n-Propanol	2.376	212.770

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1143639
Injection date: 9/27/2017 11:13:51 AM	Vial: 19
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\19.D	

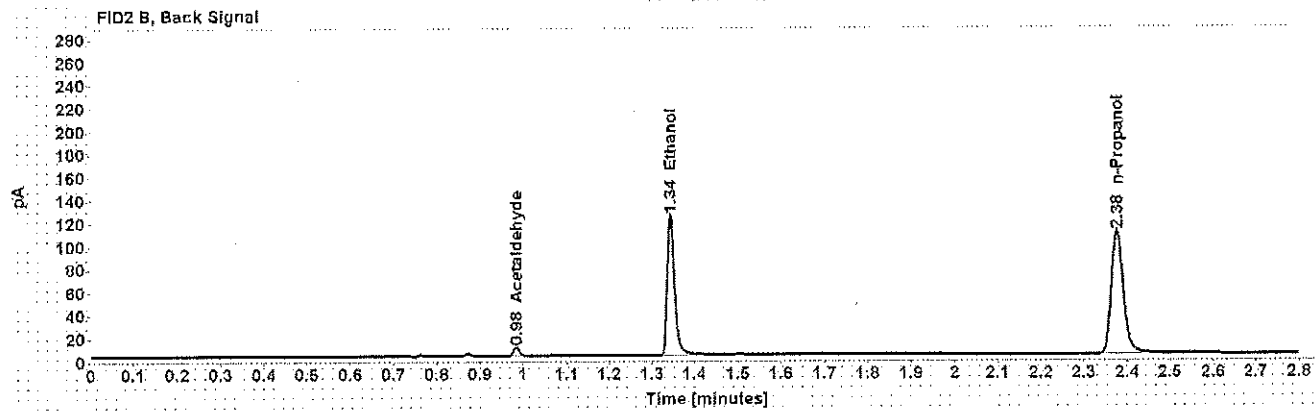
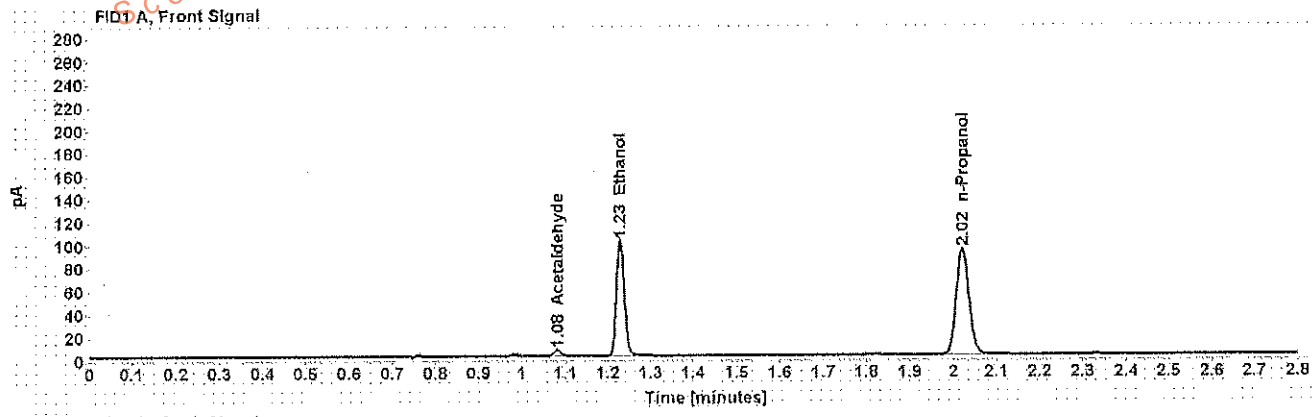


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.410
>Ethanol	0.1952	1.229	129.586
n-Propanol	-----	2.022	188.013

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.660
Ethanol	1.345	147.683
n-Propanol	2.376	208.213

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174963
Injection date: 9/27/2017 11:21:51 AM	Vial: 21
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CM14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\27Sep17\21.D	

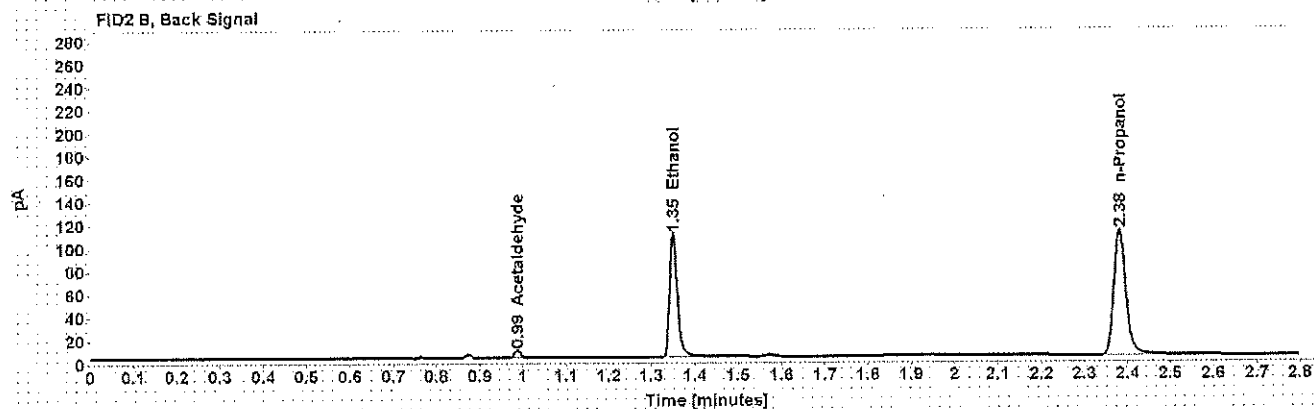
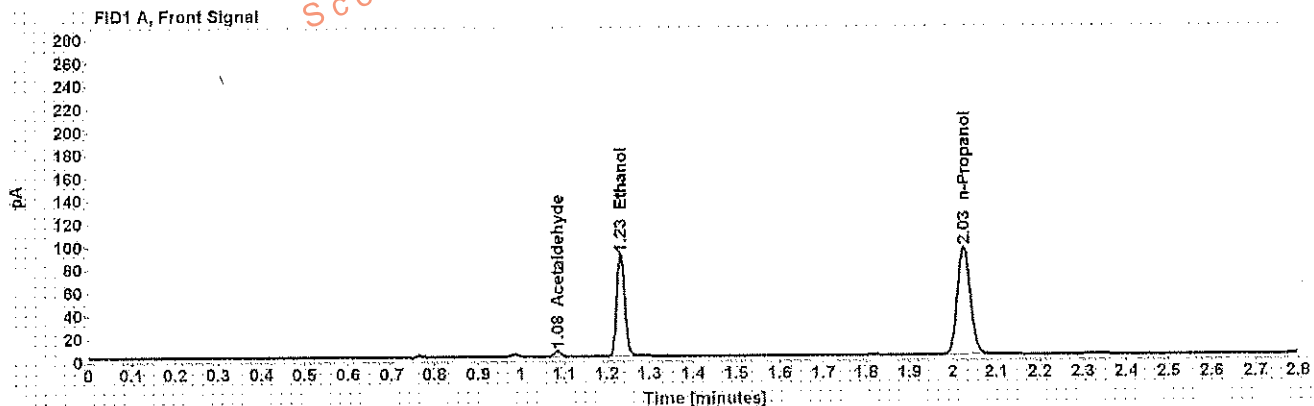


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	4.803
>Ethanol	0.1718	1.232	116.022
n-Propanol	-----	2.025	191.275

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	5.896
Ethanol	1.350	133.969
n-Propanol	2.381	212.406

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item numbers: 1174963
Injection date: 9/27/2017 11:25:52 AM	Vial: 22
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\22.D	

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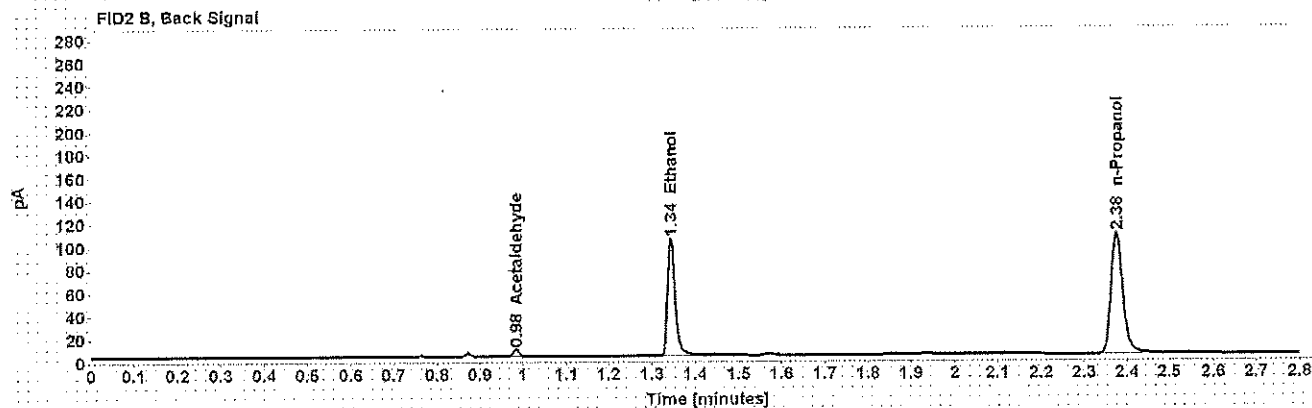
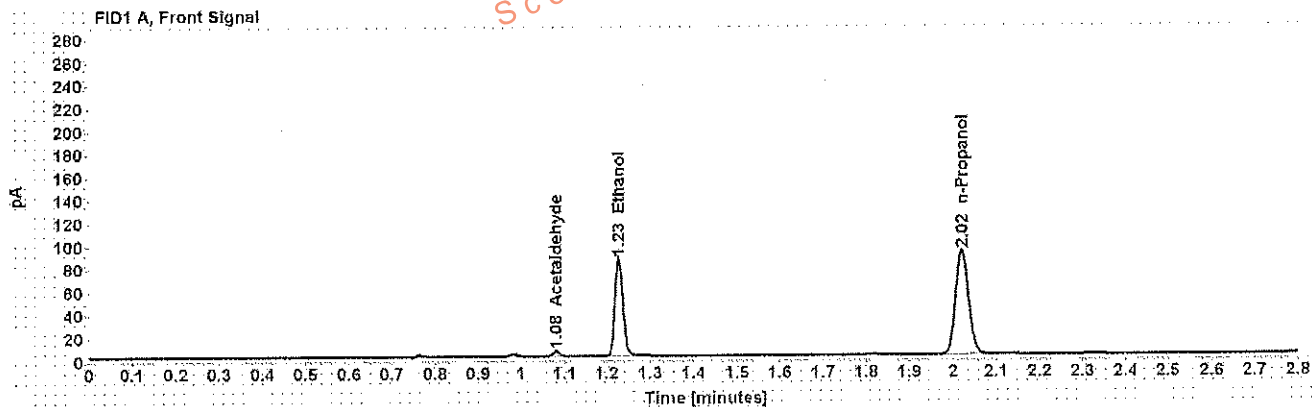


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.526
>Ethanol	0.1678	1.228	109.565
n-Propanol	-----	2.021	184.938

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.578
Ethanol	1.344	126.680
n-Propanol	2.376	205.217

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1150908
Injection date: 9/27/2017 11:29:51 AM	Vial: 23
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\23.D	

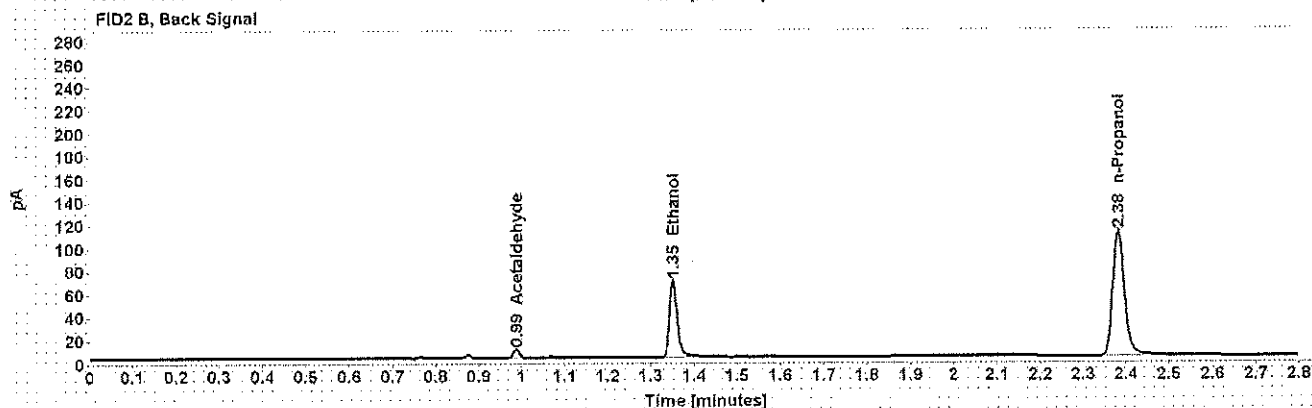
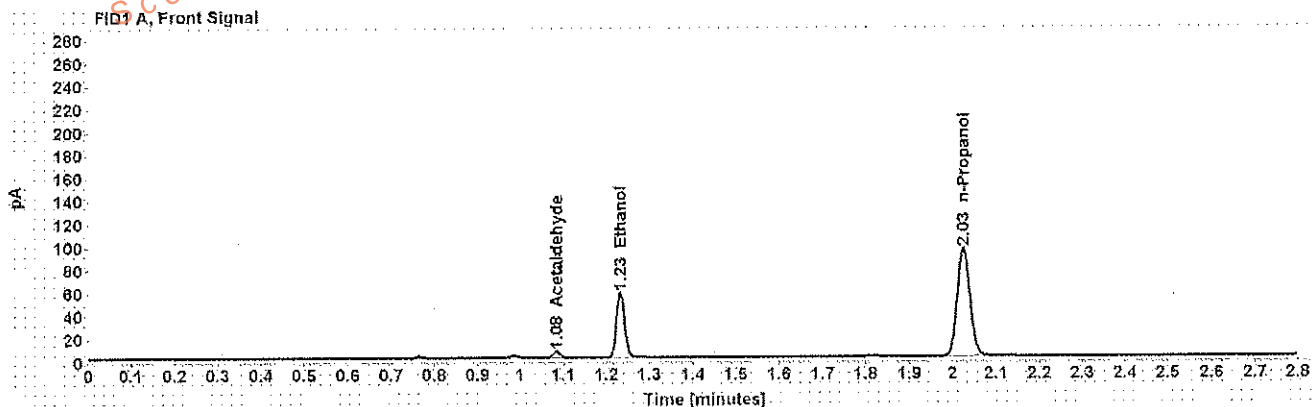


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.533
>Ethanol	0.1086	1.233	73.464
n-Propanol	-----	2.026	191.897

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	6.751
Ethanol	1.352	83.183
n-Propanol	2.382	212.239

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1150908
Injection date: 9/27/2017 11:33:51 AM	Vial: 24
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023.GN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\24.D	

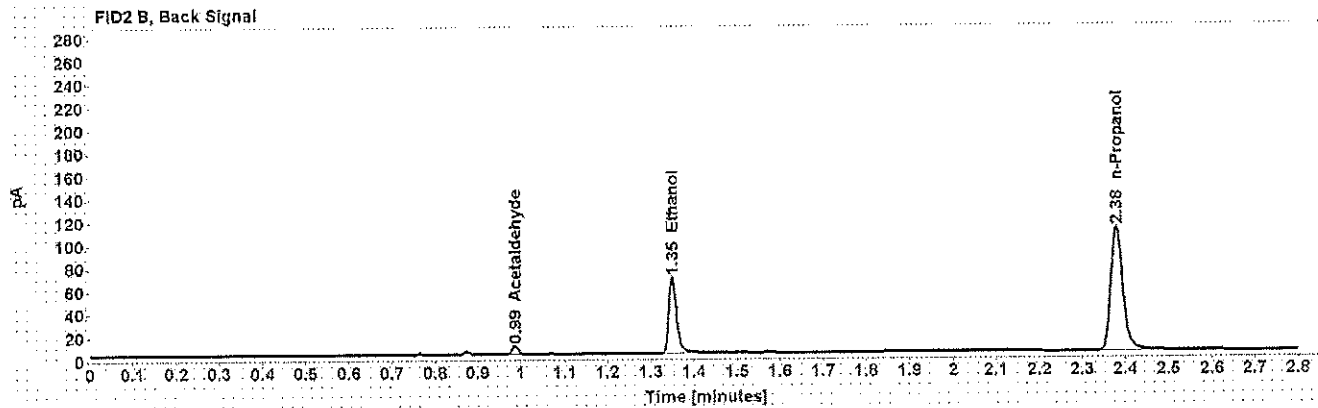
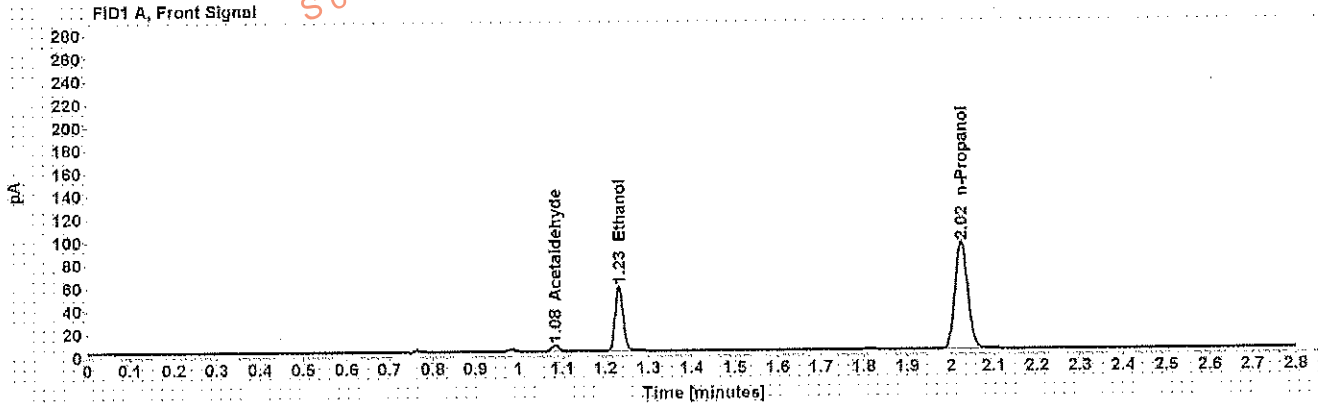


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.433
>Ethanol	0.1082	1.232	72.624
n-Propanol	-----	2.024	190.381

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	6.668
Ethanol	1.350	82.329
n-Propanol	2.380	210.522

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174573
Injection date: 9/27/2017 11:38:06 AM	Vial: 25
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\25.D	

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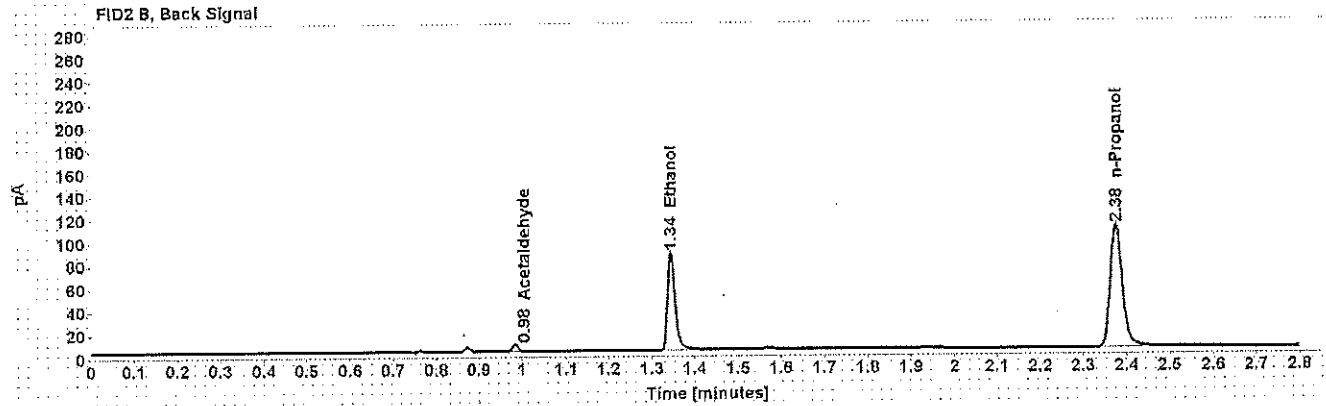
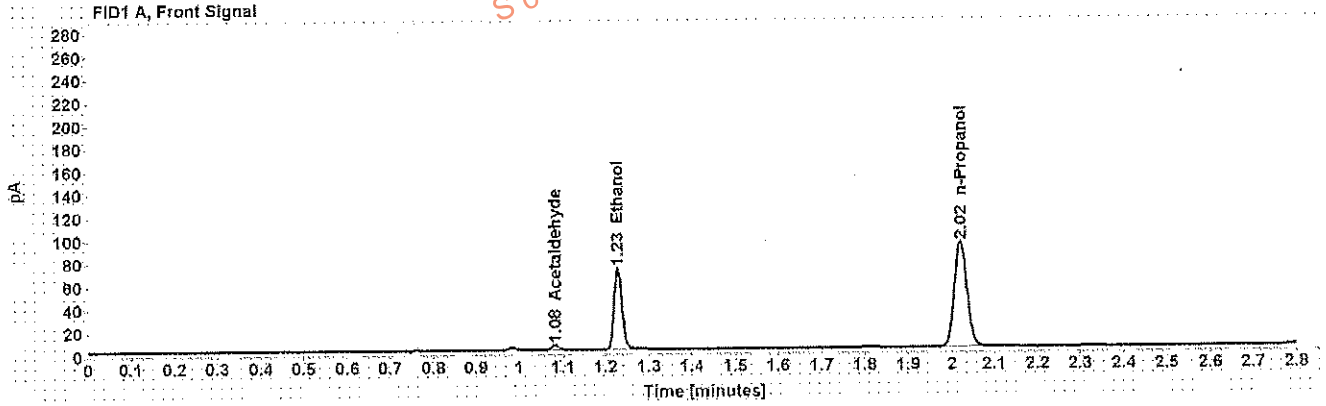


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.261
>Ethanol	0.1387	1.229	91.536
n-Propanol	-----	2.022	187.078

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.246
Ethanol	1.345	105.600
n-Propanol	2.376	207.973

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174573
Injection date: 9/27/2017 11:42:06 AM	Vial: 26
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\26.D	

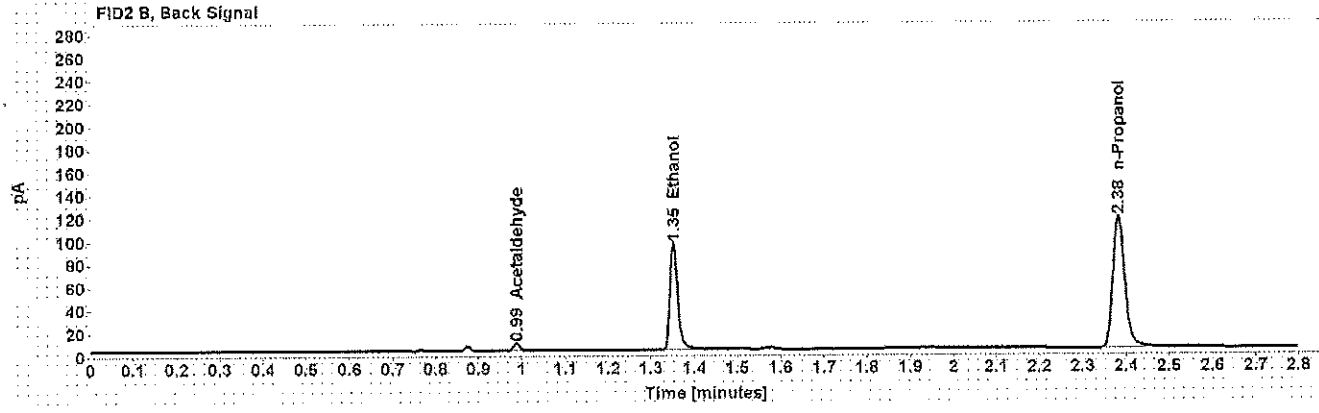
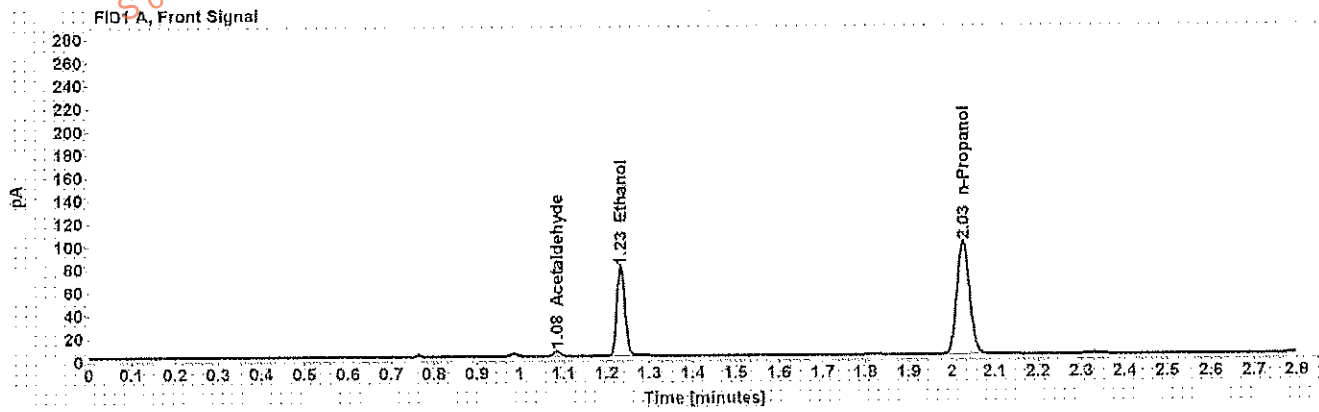


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.085	4.553
>Ethanol	0.1433	1.233	101.470
n-Propanol	-----	2.026	200.627

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.988	5.577
Ethanol	1.352	117.367
n-Propanol	2.383	223.722

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174375
Injection date: 9/27/2017 11:46:07 AM	Vial: 27
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\27.D	

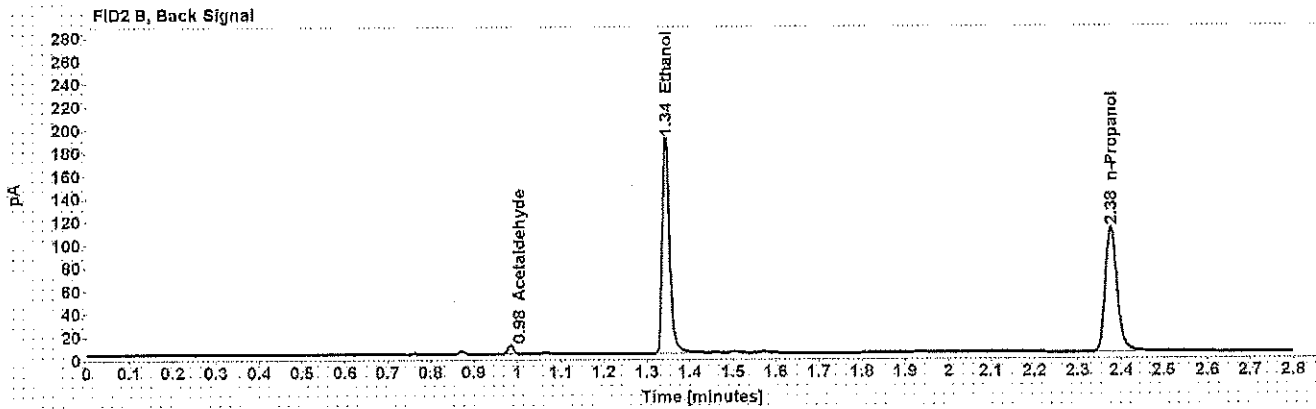
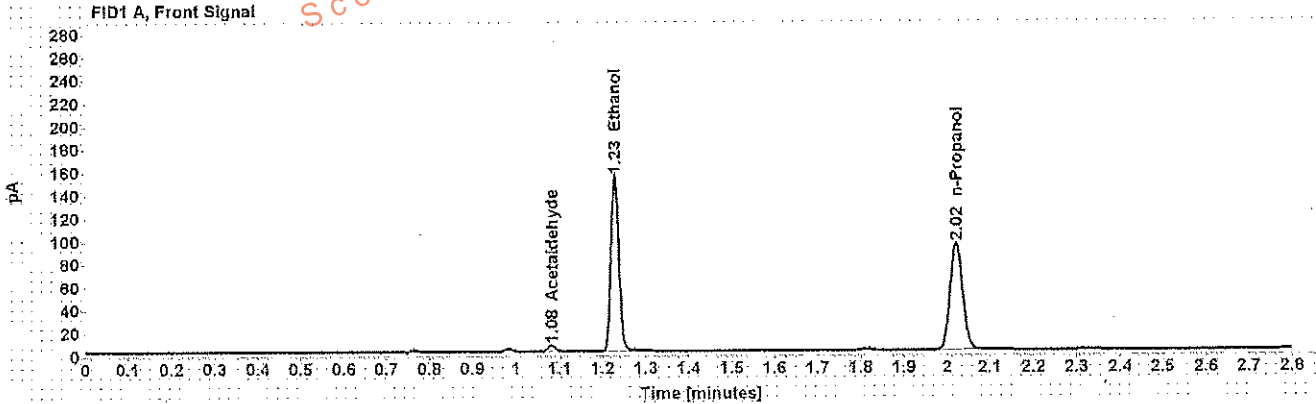


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.574
>Ethanol	0.2923	1.228	196.415
n-Propanol	-----	2.021	190.185

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.838
Ethanol	1.344	228.626
n-Propanol	2.376	211.855

Scottsdale Police Department Crime Lab Volatiles Analysis

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Scottsdale City Prosecutor

Sample:	[REDACTED]	Item number:	1174375
Injection date:	9/27/2017 11:50:07 AM	Vial:	28
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\27Sep17\28.D		

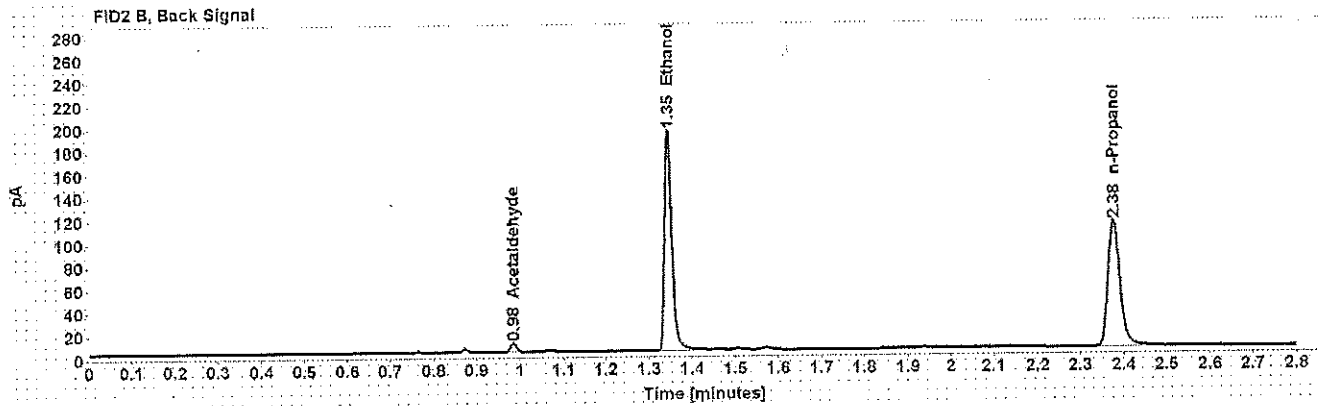
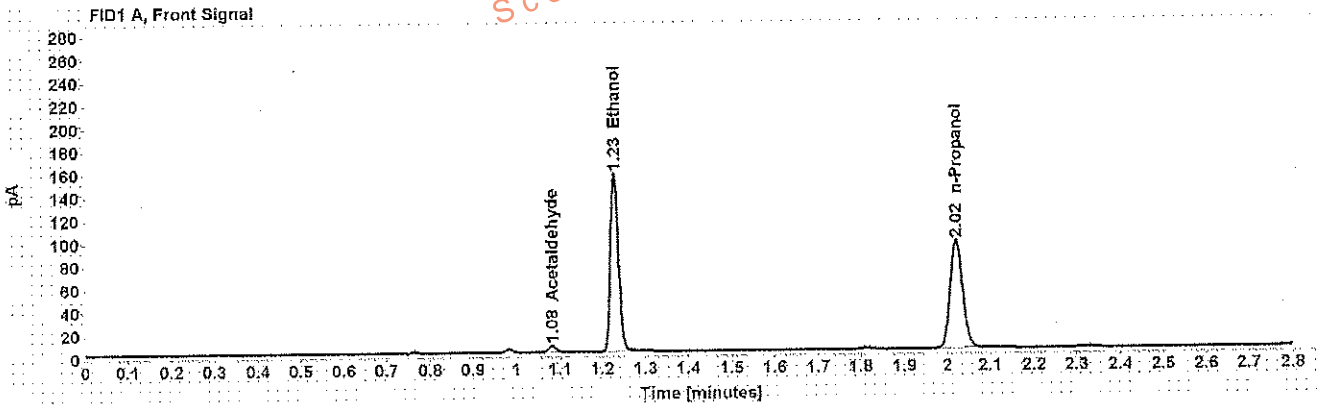


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.740
>Ethanol	0.2960	1.229	200.555
n-Propanol	-----	2.022	191.729

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	7.027
Ethanol	1.346	233.677
n-Propanol	2.377	213.841

Case: [REDACTED] User: wadrian 9/28/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1174968
Injection date: 9/27/2017 11:54:06 AM Vial: 29
Method: ethanol quant.M Sequence: 27Sep17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\29.D

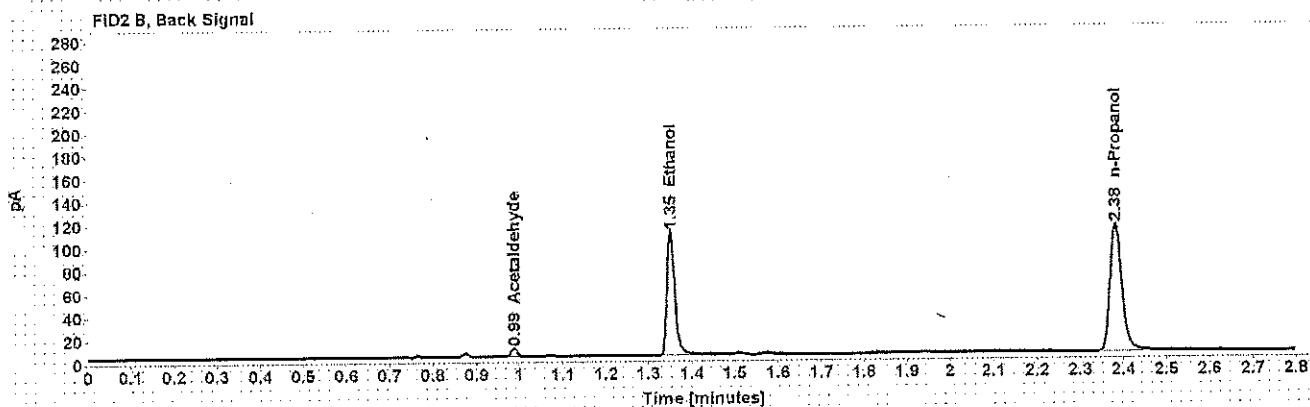
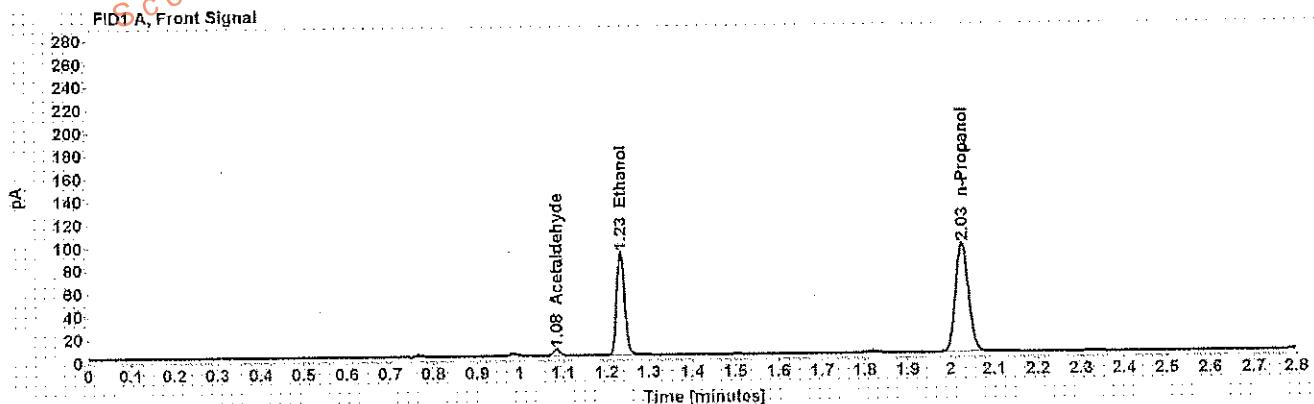


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.085	5,442
>Ethanol	0.1700	1,233	116,408
n-Propanol	-----	2.026	193,963

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.988	6,686
Ethanol	1.352	135,038
n-Propanol	2.383	216,323

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1174968
Injection date:	9/27/2017 11:58:07 AM	Vial:	30
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\27 Sep 17\130.D		

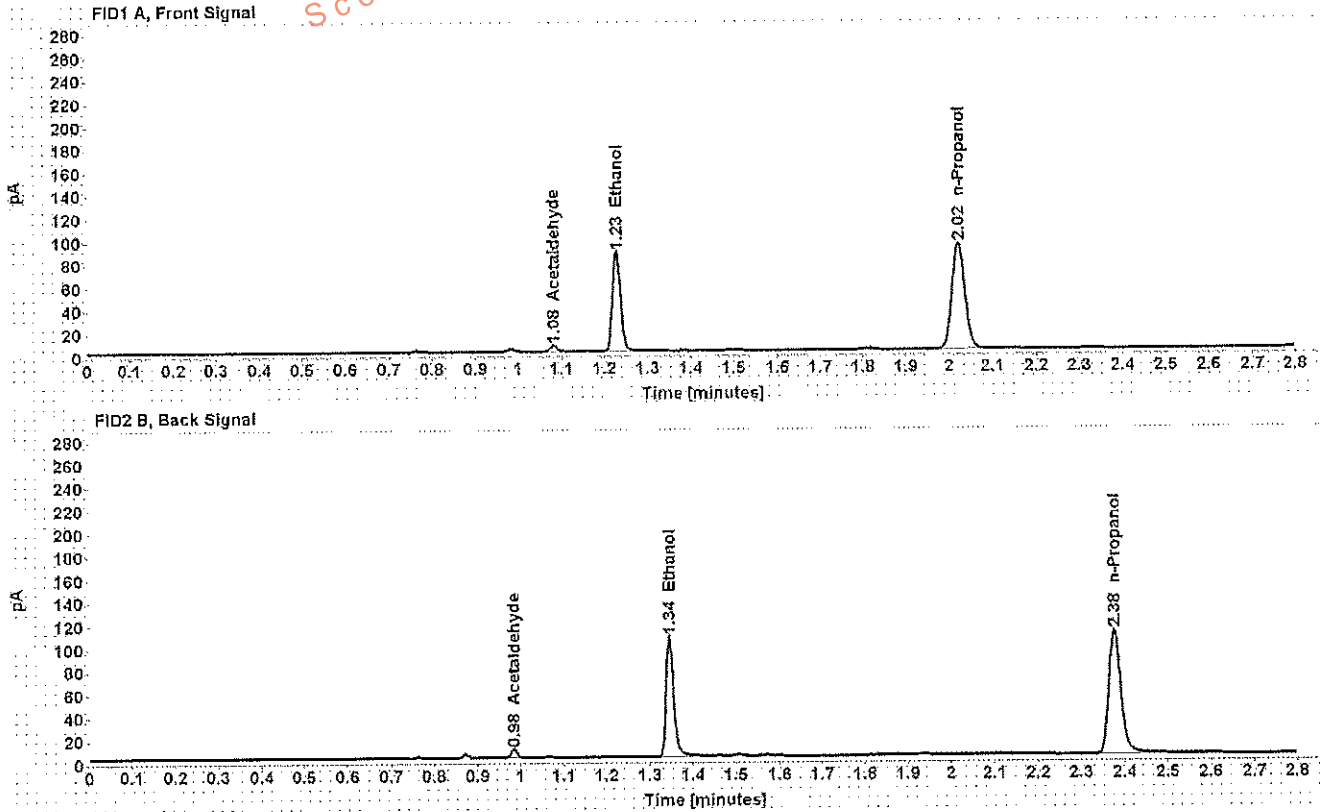


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.307
>Ethanol	0.1680	1.229	111.919
n-Propanol	-----	2.022	188.767

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.527
Ethanol	1.345	129.632
n-Propanol	2.376	210.833

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1175150
Injection date:	9/27/2017 12:06:22 PM	Vial:	32
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\27Sep17\32.D		

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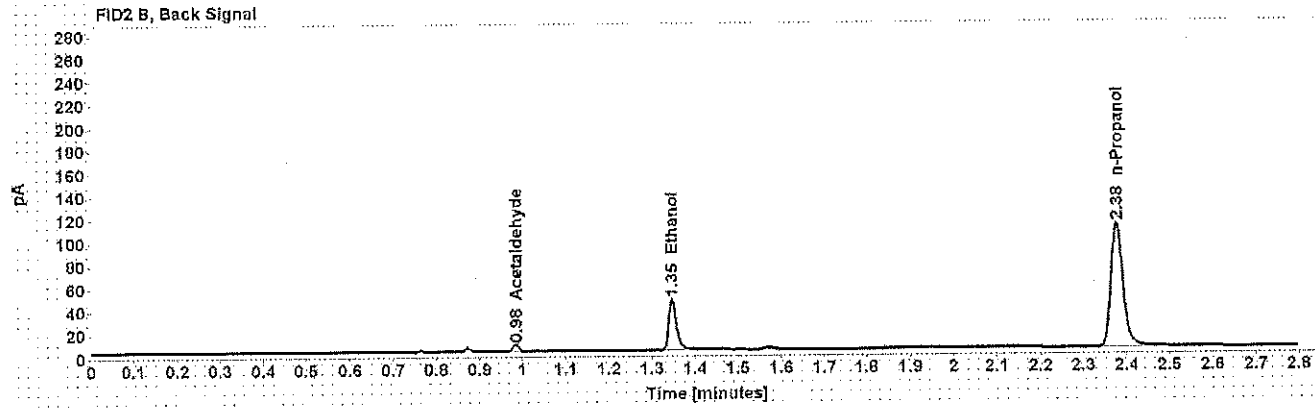
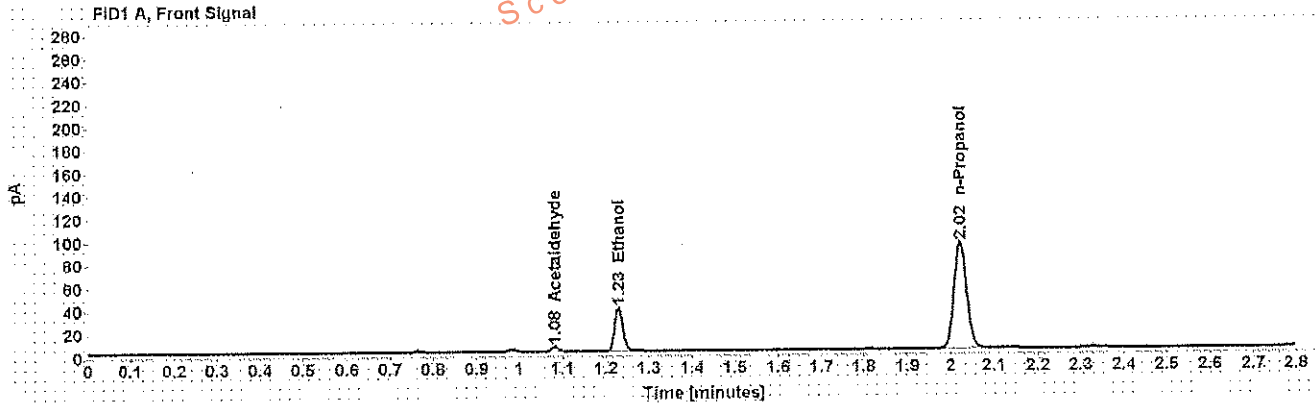


Table 1: FID 1.A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.103
>Ethanol	0.0739	1.230	49.055
n-Propanol	-----	2.022	188.473

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	5.019
Ethanol	1.347	55.274
n-Propanol	2.377	210.638

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1175150
Injection date: 9/27/2017 12:10:22 PM	Vial: 33
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\27Sep17\133.D	

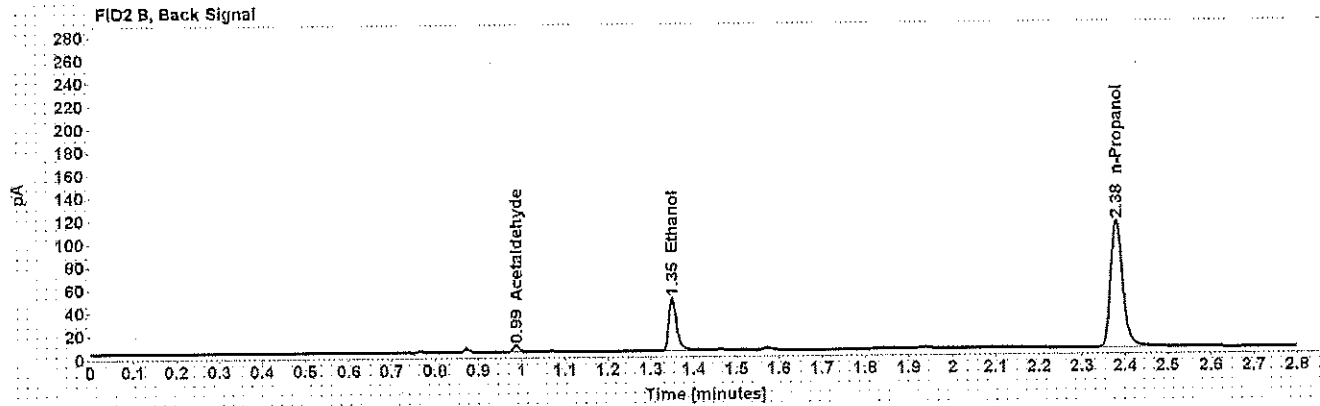
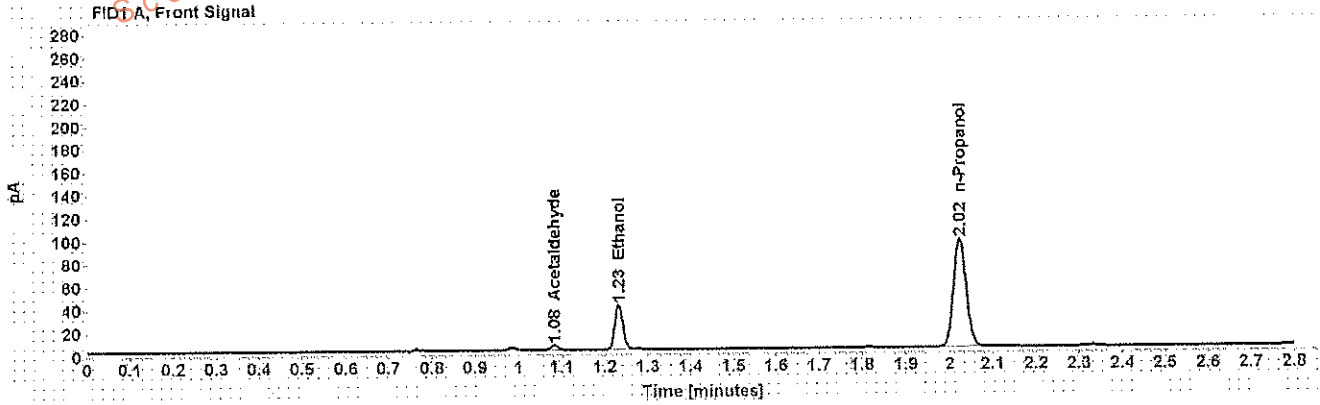


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	4.251
>Ethanol	0.0749	1.232	50.567
n-Propanol	-----	2.024	191.770

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	5.234
Ethanol	1.350	58.465
n-Propanol	2.380	214.972

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 335-01A
Injection date: 9/27/2017 12:14:21 PM	Vial: 34
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\34.D	

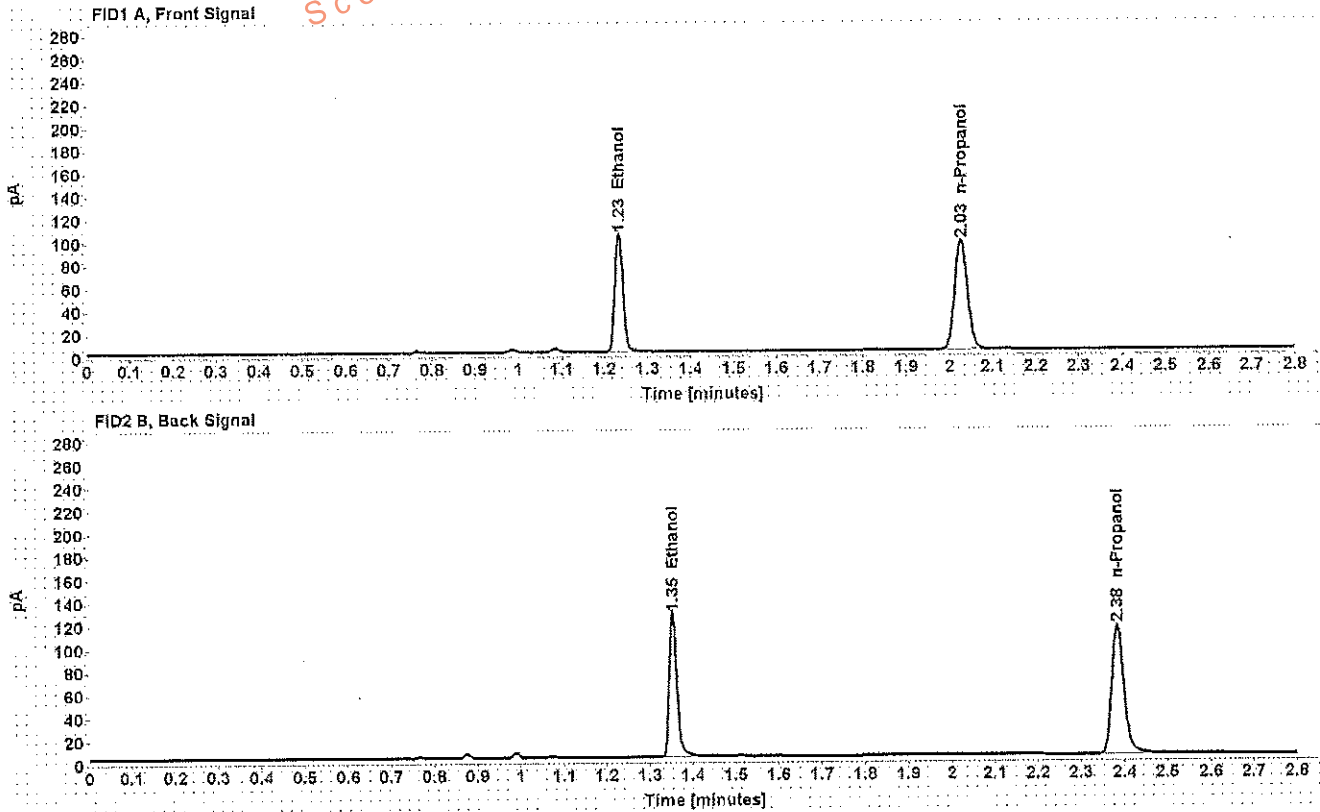


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1949	1.234	134.524
n-Propanol	-----	2.027	195.448

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

Compound	Time (min)	Peak Area
Ethanol	1.353	155.158
n-Propanol	2.384	218.534

Case: [REDACTED] User: wadrian 9/28/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample:	[REDACTED]	Item number:	335-01A
Injection date:	9/27/2017 12:18:21 PM	Vial:	35
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\27Sep17\35.D		

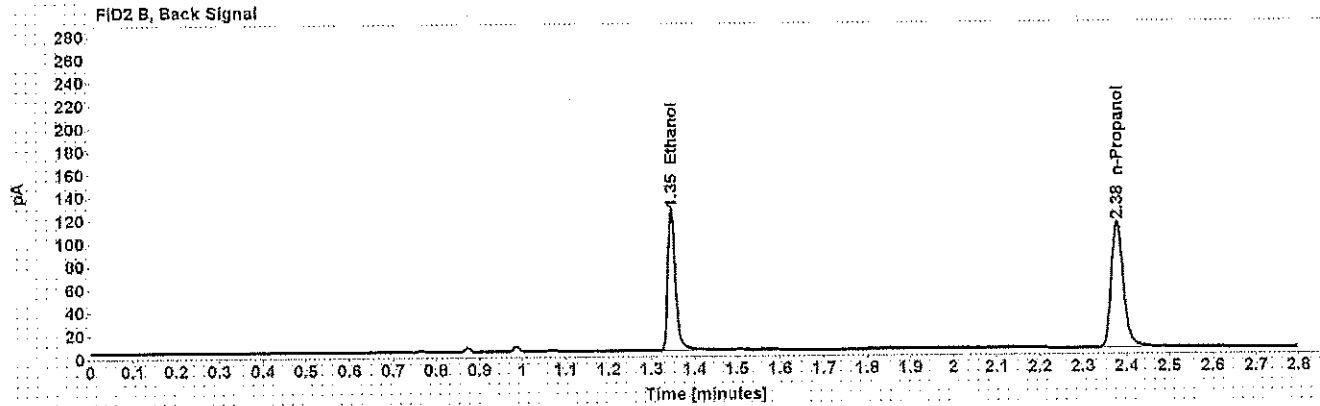
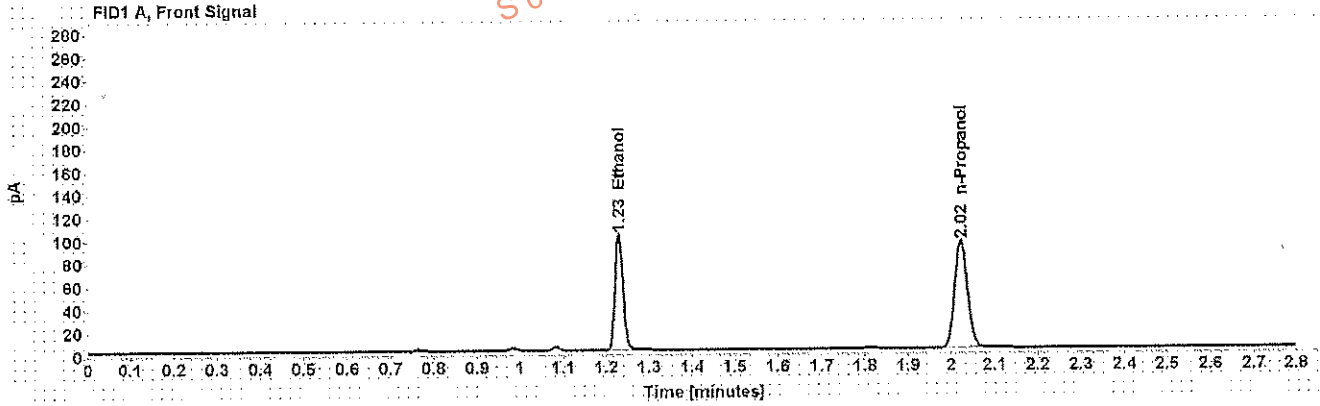


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1934	1.230	130.300
n-Propanol	-----	2.023	190.820

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

Compound	Time (min)	Peak Area
Ethanol	1.347	151.601
n-Propanol	2.378	213.339

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 321-01A
Injection date: 9/27/2017 12:22:21 PM	Vial: 36
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\36.D	

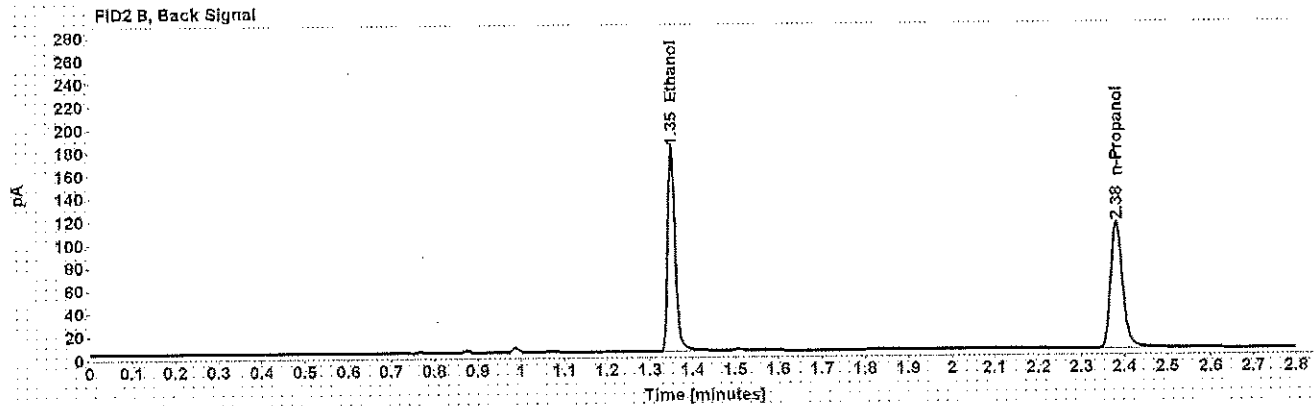
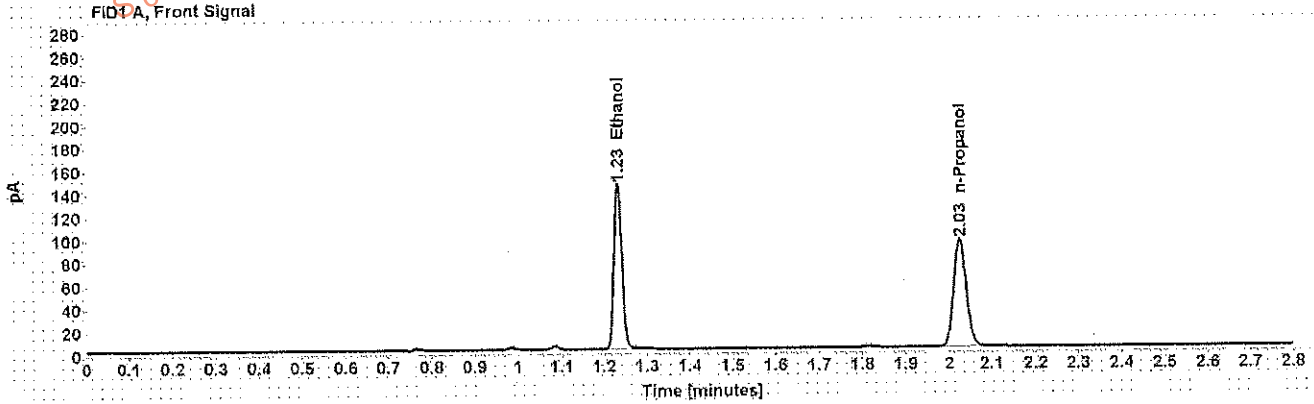


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2777	1.232	187.775
n-Propanol	-----	2.026	191.346

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

Compound	Time (min)	Peak Area
Ethanol	1.351	217.697
n-Propanol	2.382	213.795

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 321-01A
Injection date: 9/27/2017 12:26:36 PM	Vial: 37
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\37.D	

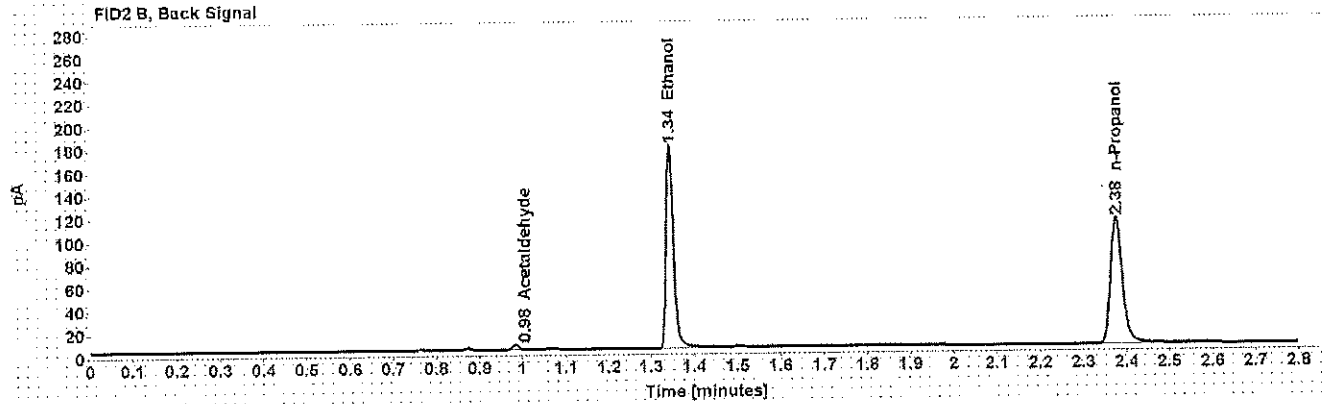
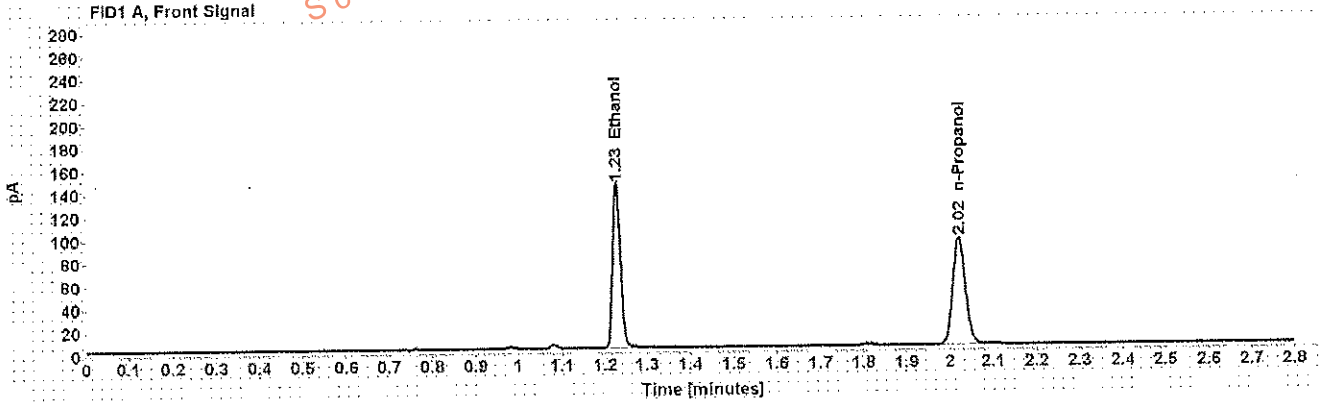


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2731	1.228	184.168
n-Propanol	-----	2.022	190.869

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.986
Ethanol	1.344	213.446
n-Propanol	2.376	213.604

Case: [REDACTED] User: wadrian 9/28/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 310-01A
Injection date: 9/27/2017 12:30:37 PM Vial: 38
Method: ethanol quant.M Sequence: 27Sep17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\38.D

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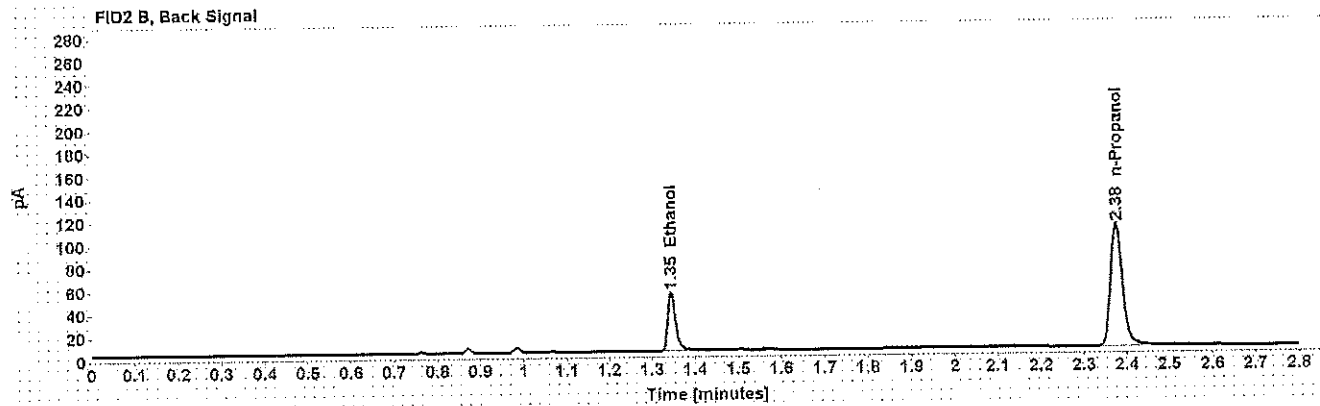
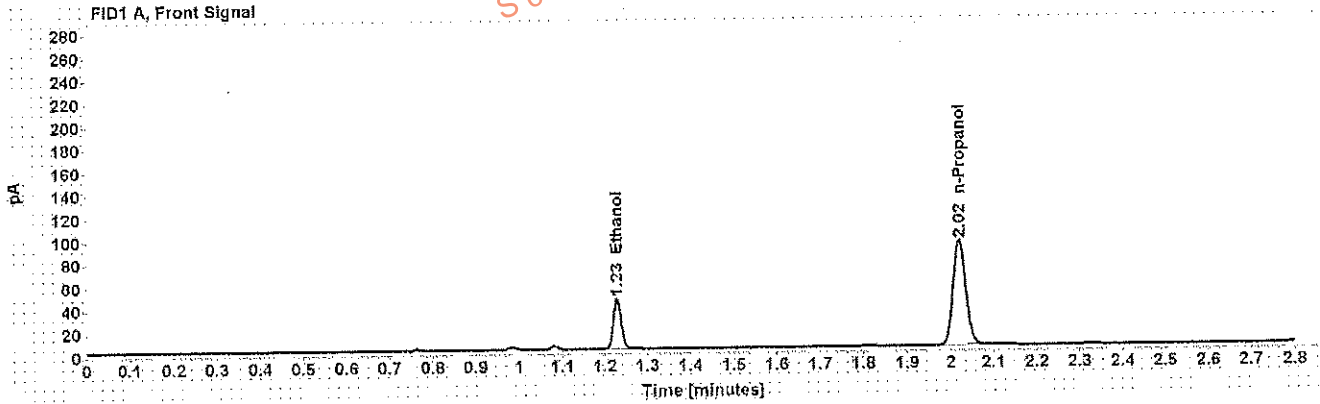


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0859	1.229	56.399
n-Propanol	-----	2.021	186.424

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

Compound	Time (min)	Peak Area
Ethanol	1.345	63.953
n-Propanol	2.376	208.879

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 310-01A
Injection date: 9/27/2017 12:34:36 PM	Vial: 39
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\39.D	

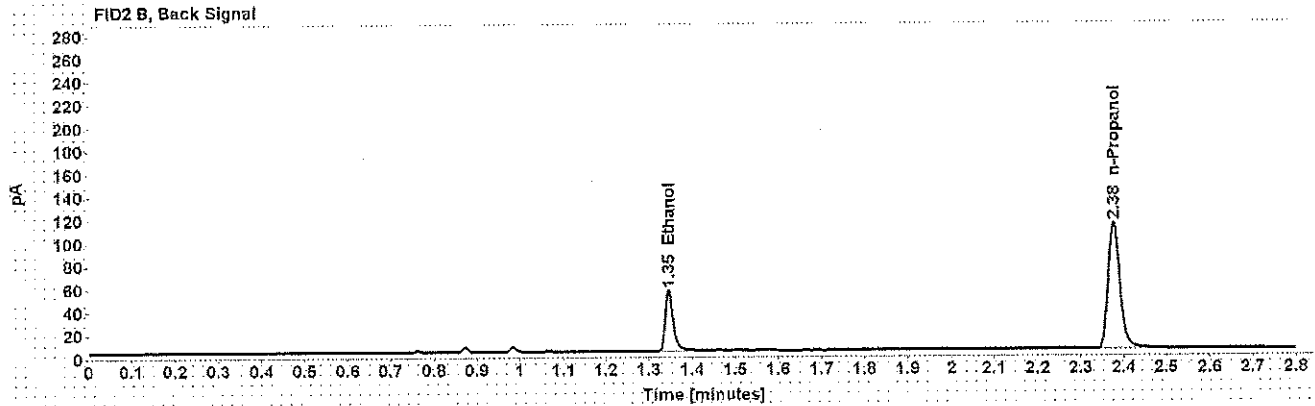
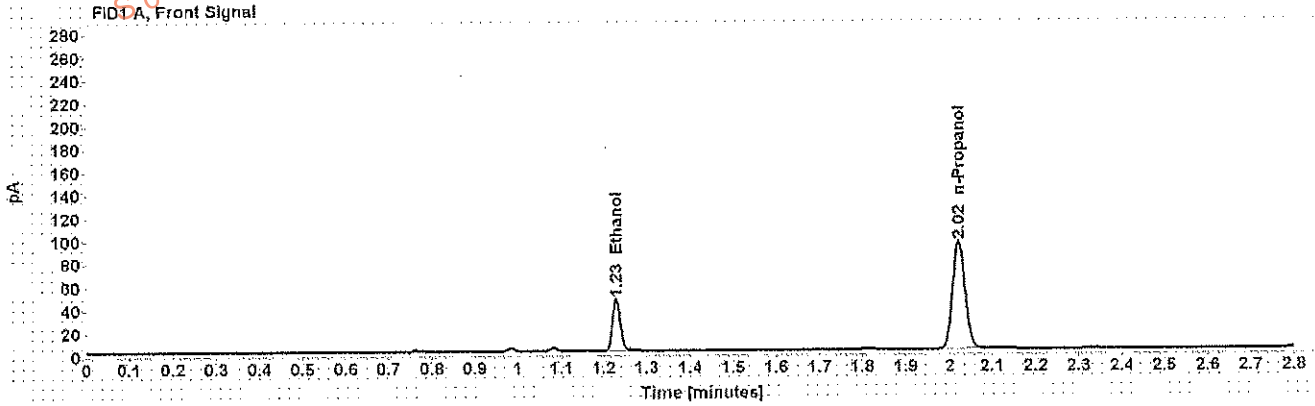


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0864	1.229	58.154
n-Propanol	-----	2.022	190.998

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

Compound	Time (min)	Peak Area
Ethanol	1.348	67.389
n-Propanol	2.377	214.423

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1156981
Injection date: 9/27/2017 12:38:36 PM	Vial: 40
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023.CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\27Sep17\40.D	

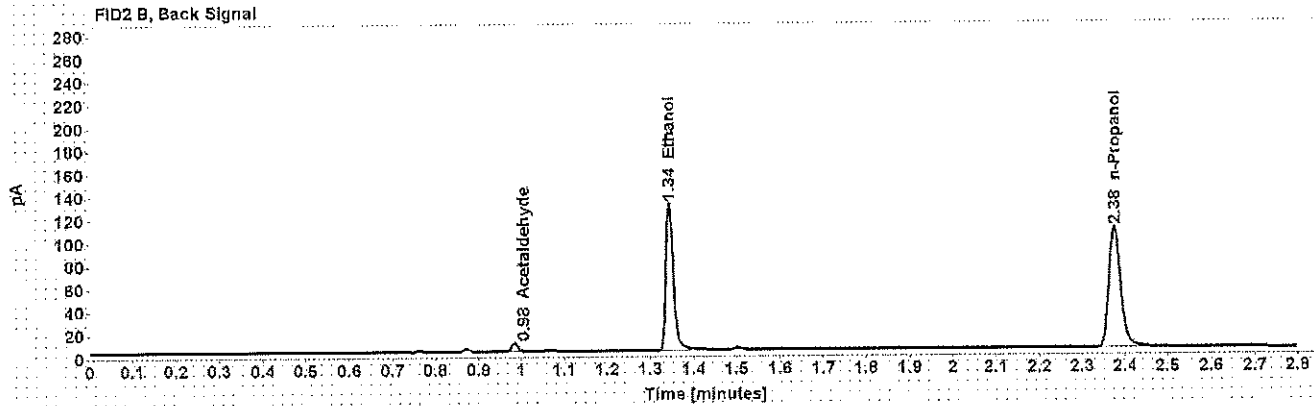
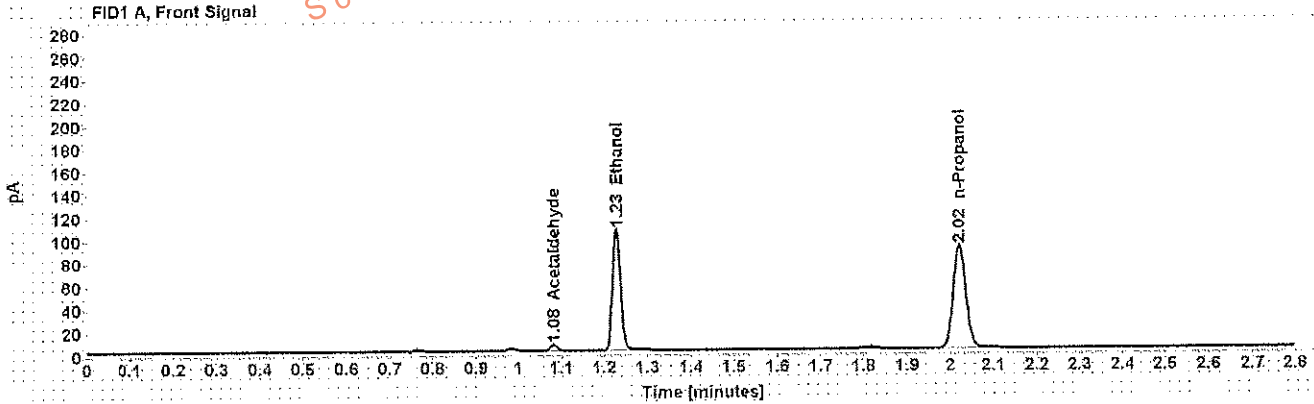


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.451
>Ethanol	0.2093	1.228	135.354
n-Propanol	-----	2.021	183.070

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.697
Ethanol	1.344	156.327
n-Propanol	2.376	205.328

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1156981
Injection date:	9/27/2017 12:42:36 PM	Vial:	41
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11Data\27Sep17\41.D		

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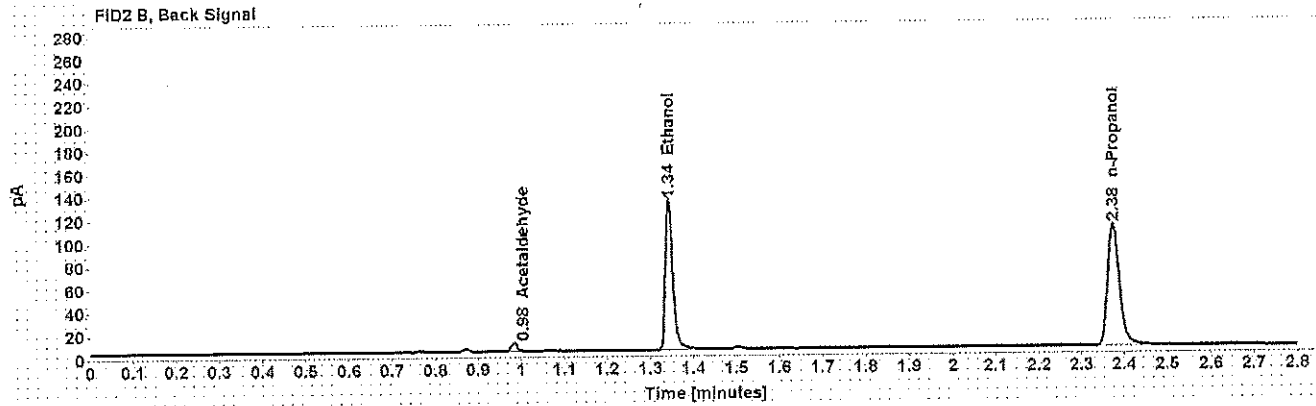
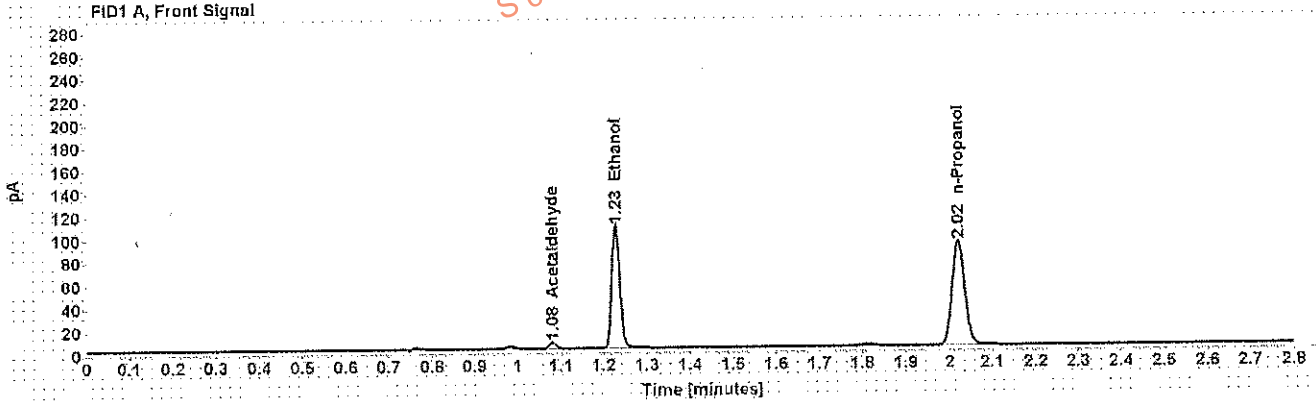


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.482
>Ethanol	0.2100	1.228	137.289
n-Propanol	-----	2.021	185.067

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.739
Ethanol	1.344	158.990
n-Propanol	2.375	207.958

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171541
Injection date: 9/27/2017 12:50:51 PM	Vial: 43
Method: ethanol quant M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\43.D	

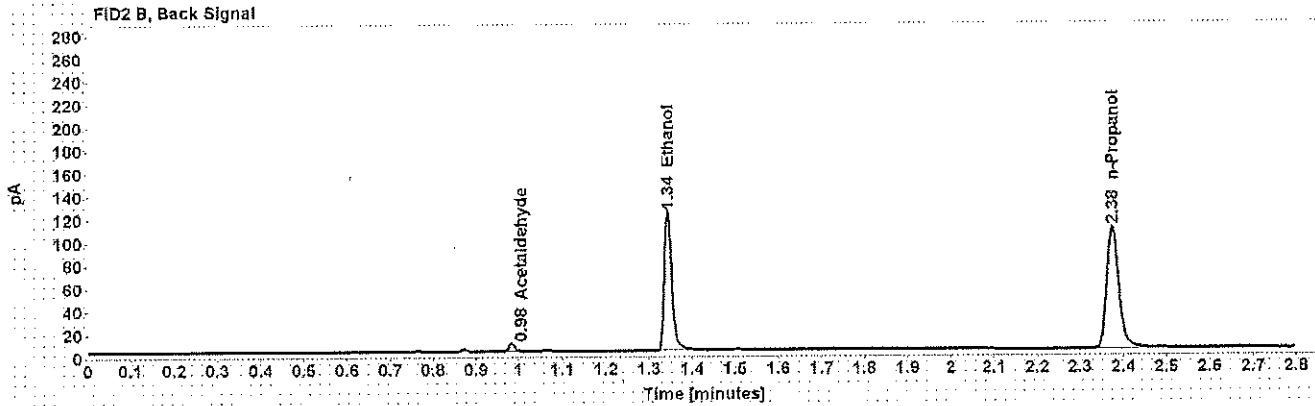
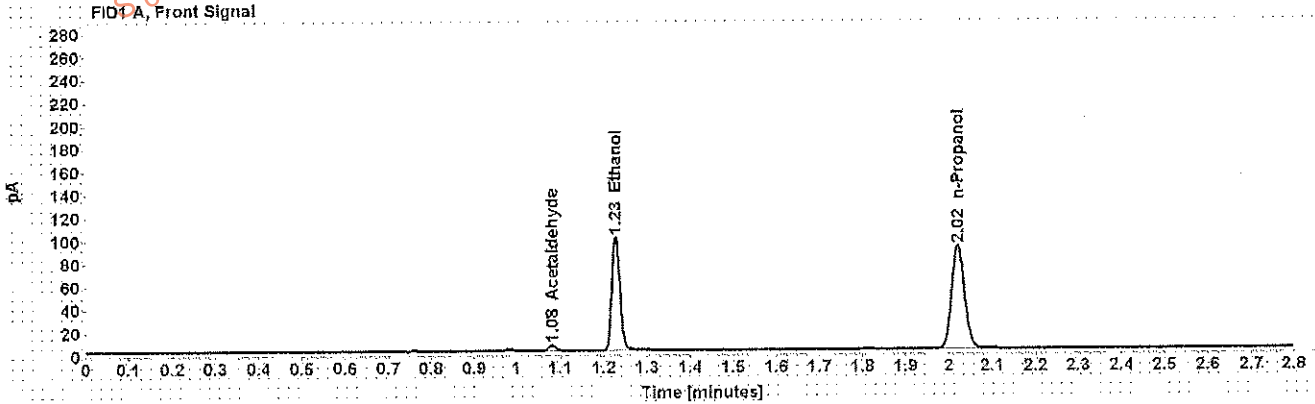


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.070
>Ethanol	0.1956	1.228	127.538
n-Propanol	-----	2.021	184.609

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.235
Ethanol	1.344	147.173
n-Propanol	2.375	207.436

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1171541
Injection date:	9/27/2017 12:54:51 PM	Vial:	44
Method:	ethanol quant.M	Sequence:	27Sep17
Instrument:	US14173023.CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\27Sep17\44.D		

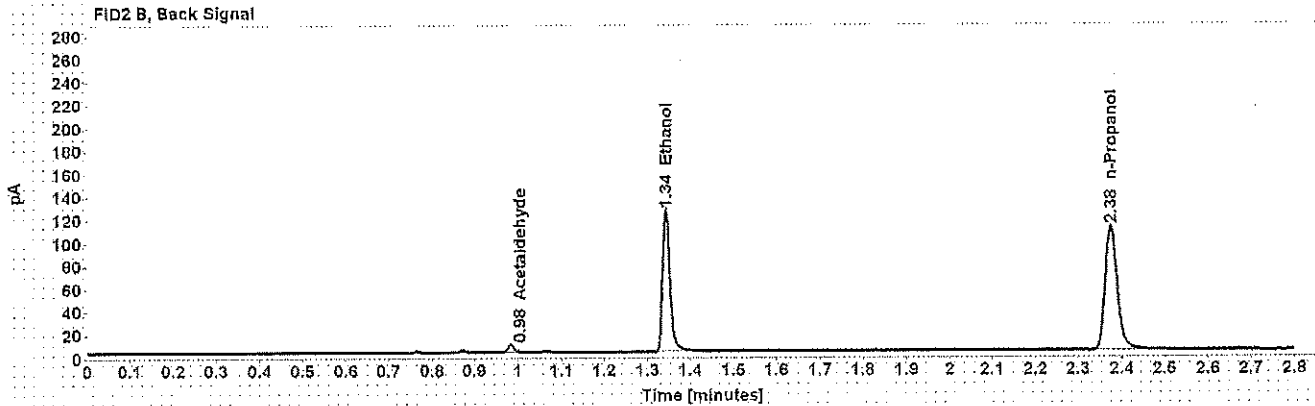
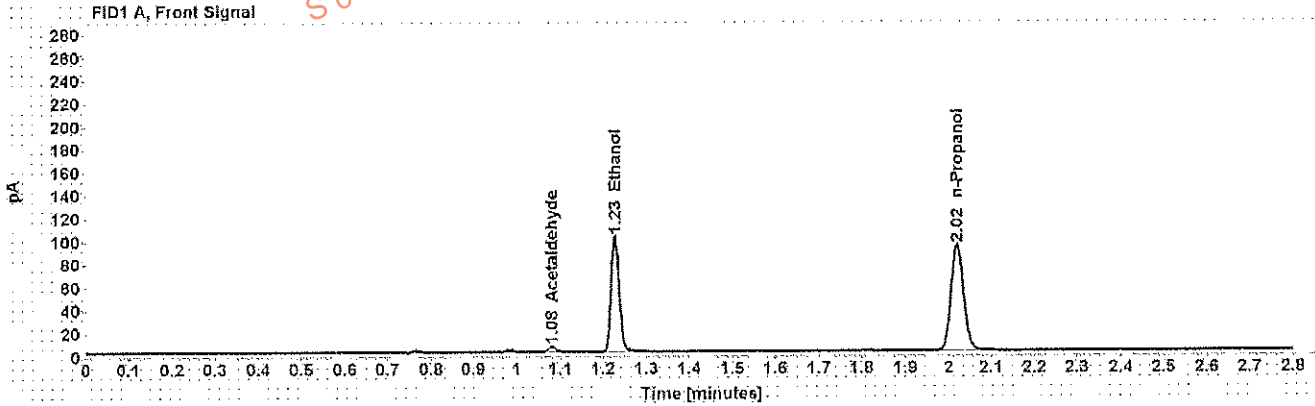


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.974
>Ethanol	0.1956	1.228	129.859
n-Propanol	-----	2.021	188.049

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.077
Ethanol	1.344	150.550
n-Propanol	2.375	211.525

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171334
Injection date: 9/27/2017 12:58:51 PM	Vial: 45
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\45.D	

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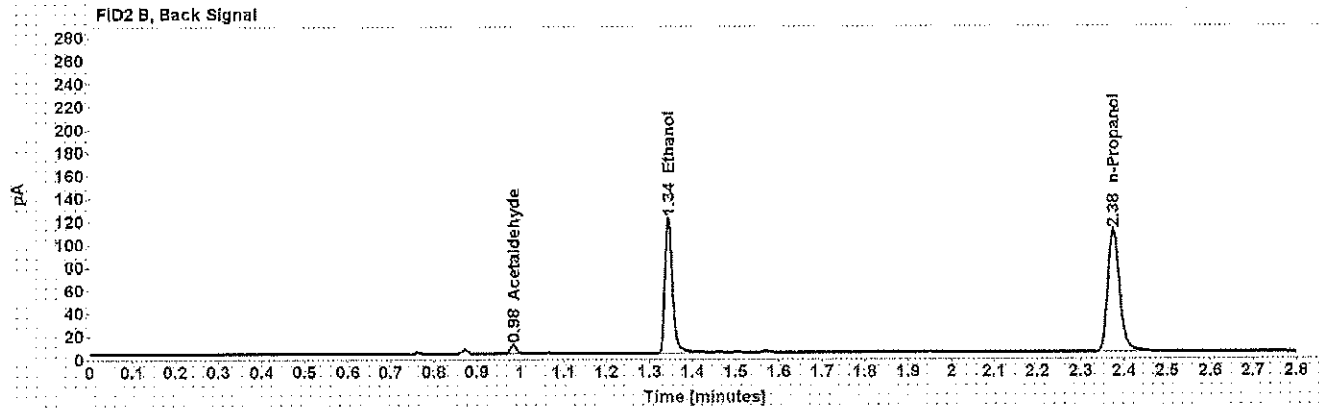
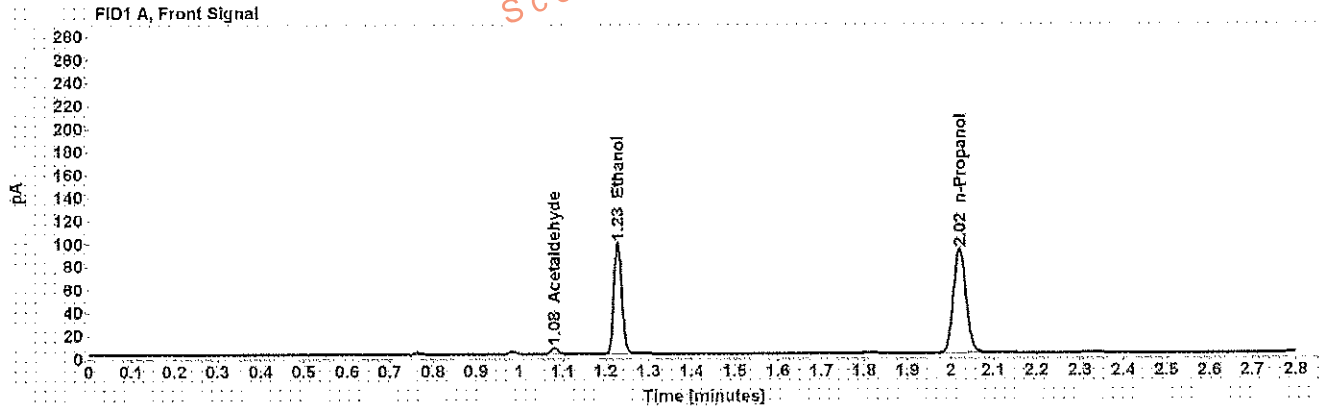


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.713
>Ethanol	0.1905	1.228	124.454
n-Propanol	-----	2.021	185.006

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.998
Ethanol	1.344	145.826
n-Propanol	2.375	208.626

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171334
Injection date: 9/27/2017 1:02:51 PM	Vial: 46
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\46.D	

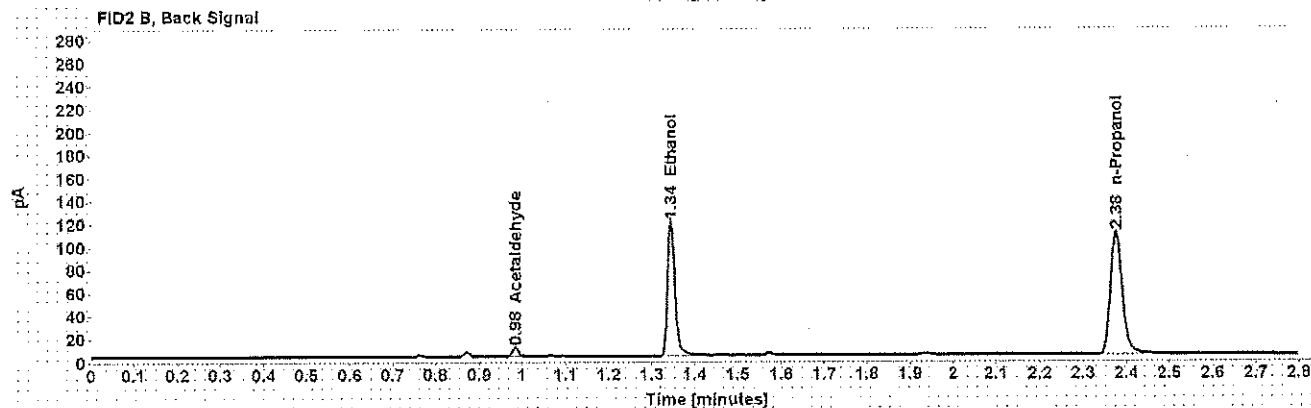
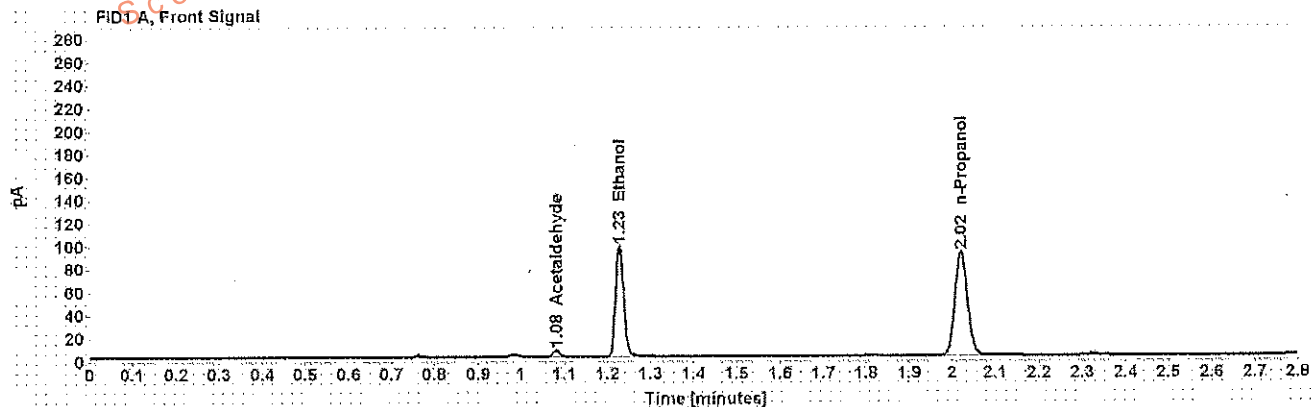


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.742
>Ethanol	0.1894	1.228	124.150
n-Propanol	-----	2.021	185.646

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.043
Ethanol	1.344	145.207
n-Propanol	2.376	207.887

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171367
Injection date: 9/27/2017 1:06:52 PM	Vial: 47
Method: ethanol quant M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\47.D	

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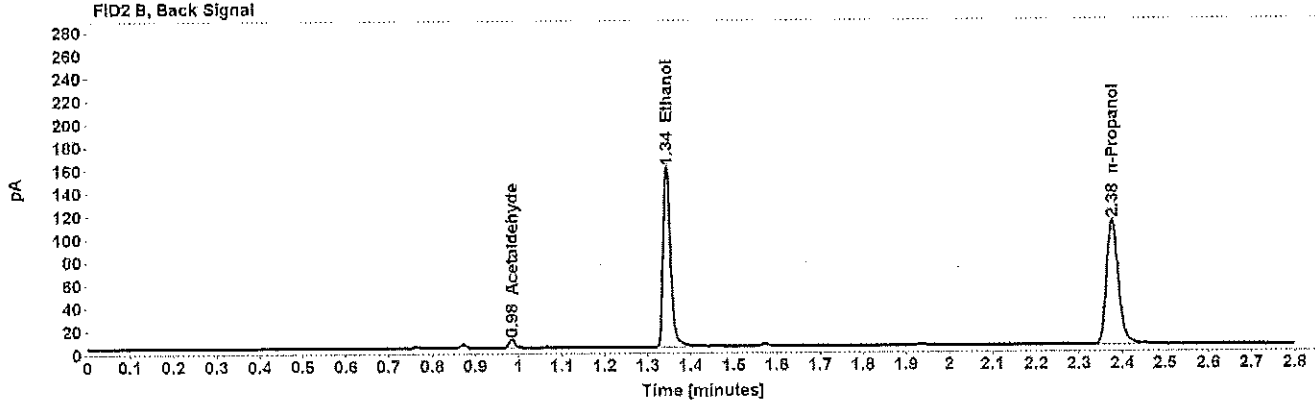
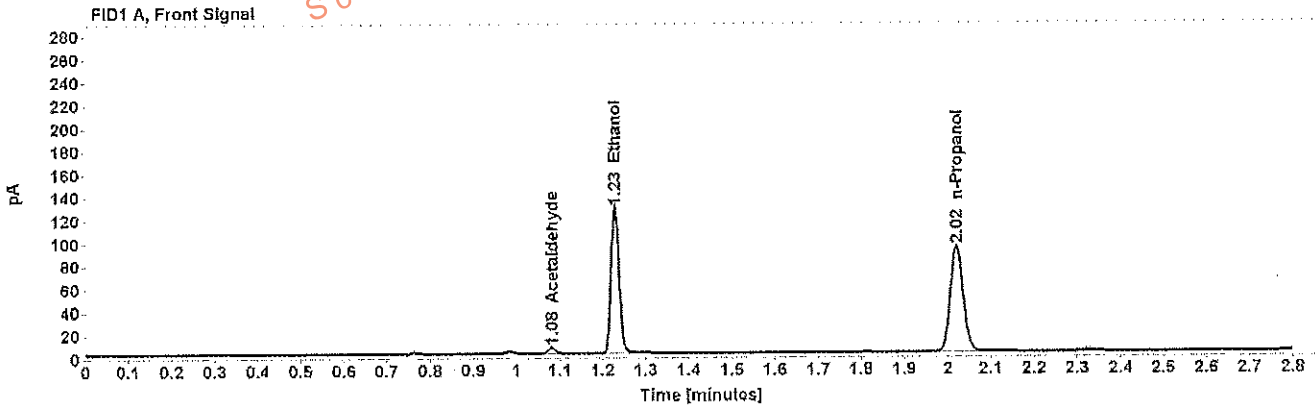


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.313
>Ethanol	0.2450	1.228	163.570
n-Propanol	-----	2.022	188.991

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.535
Ethanol	1.344	192.139
n-Propanol	2.376	212.145

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171367
Injection date: 9/27/2017 1:10:51 PM	Vial: 48
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\27Sep17\48.D	

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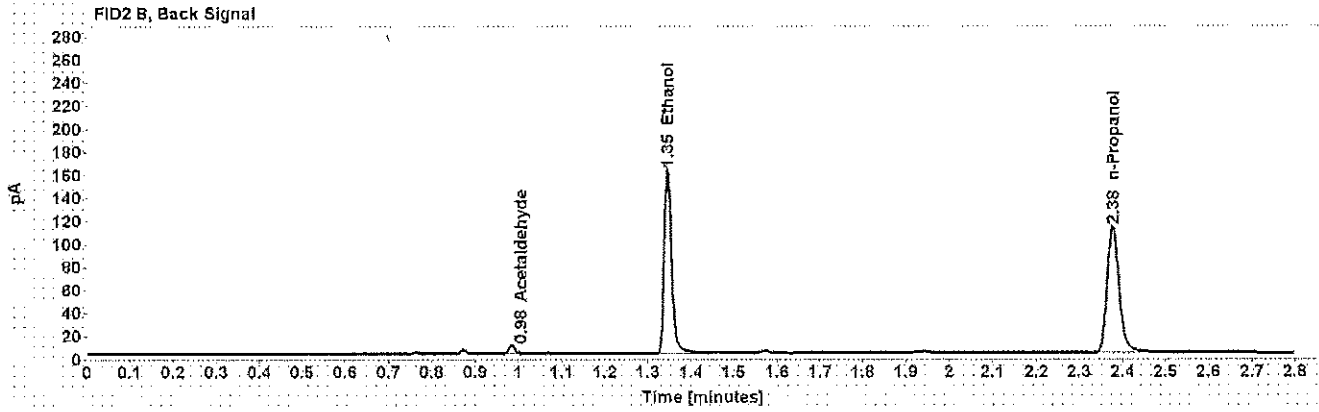
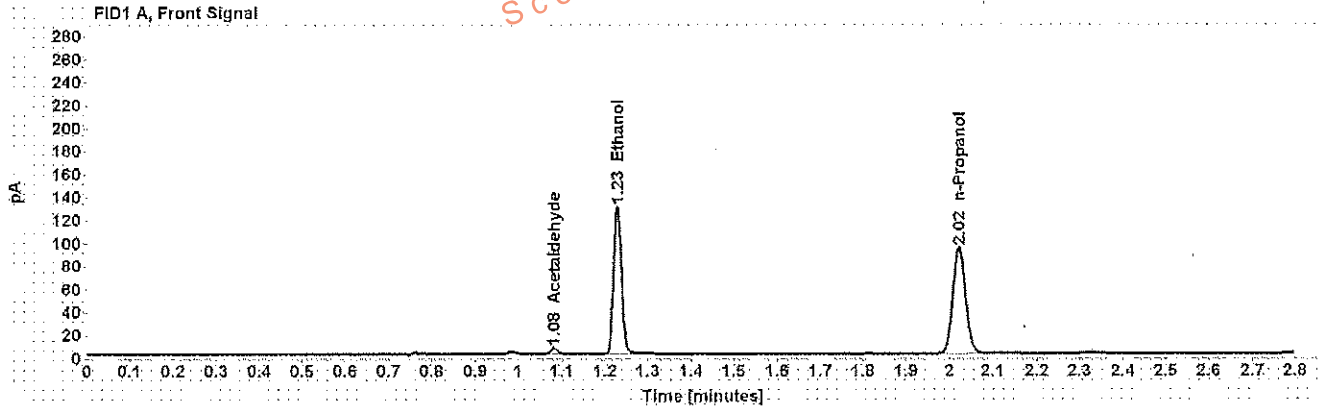


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	5.187
>Ethanol	0.2472	1.229	166.440
n-Propanol	-----	2.022	190.607

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	6.357
Ethanol	1.345	195.173
n-Propanol	2.377	213.946

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171531
Injection date: 9/27/2017 1:15:07 PM	Vial: 49
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\49.D	

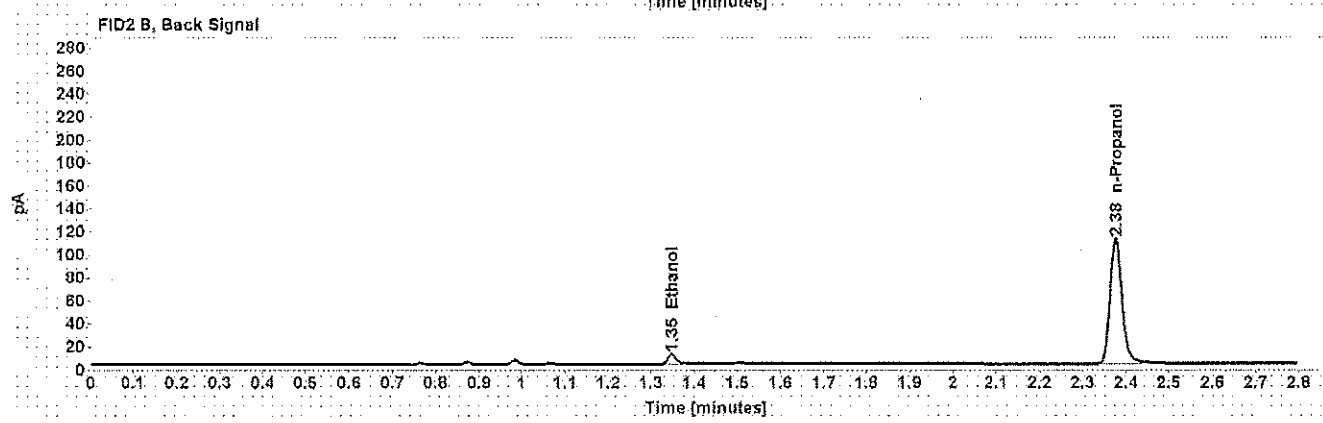
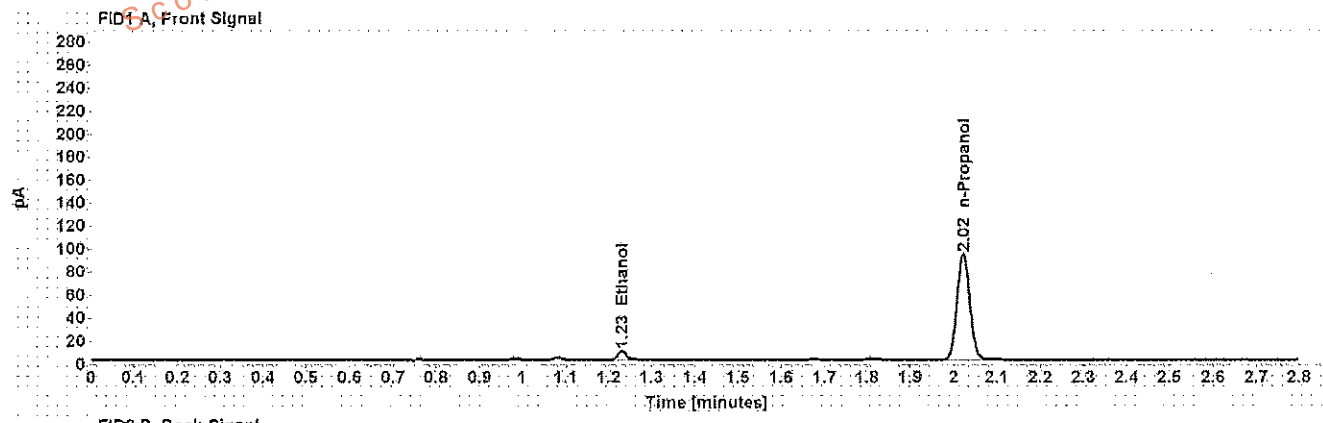


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0155	1.230	10.081
n-Propanol	-----	2.022	188.588

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

Compound	Time (min)	Peak Area
Ethanol	1.348	11.320
n-Propanol	2.376	212.209

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171531
Injection date: 9/27/2017 1:19:06 PM	Vial: 50
Method: ethanol quant.M	Sequence: 27Sep17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\27Sep17\50.D	

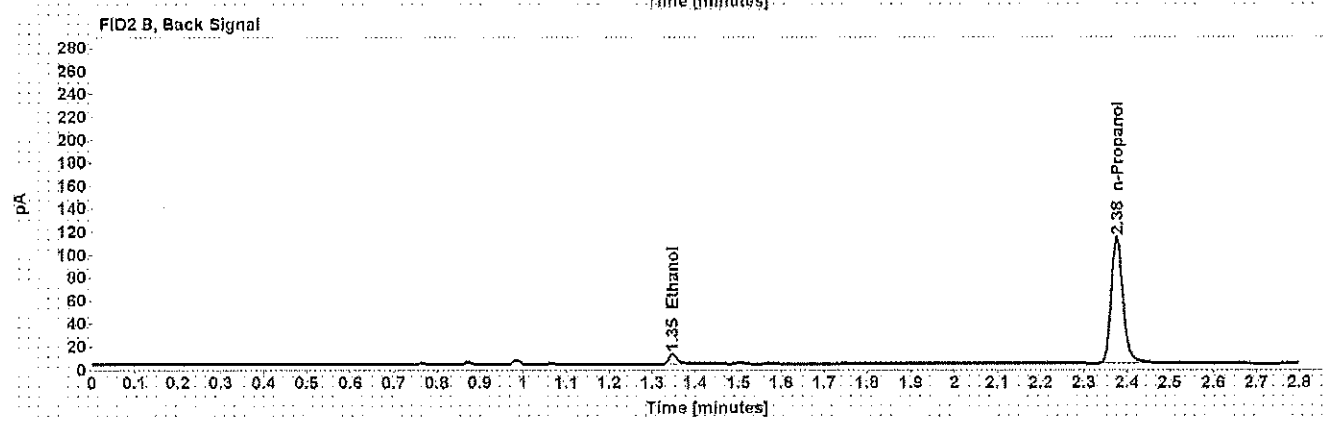
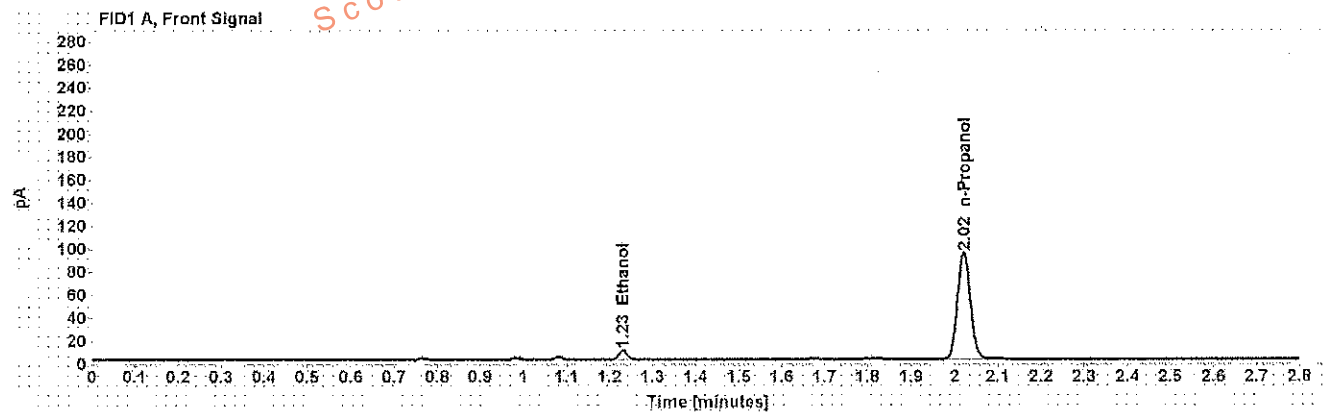


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0153	1.230	10.020
n-Propanol	-----	2.021	190.080

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

Compound	Time (min)	Peak Area
Ethanol	1.348	11.563
n-Propanol	2.378	213.741