

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/3/2017 SEQUENCE NAME 3Oct17

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 0.99999
 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	0.402 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.200 g/dL	0.202 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.152 g/dL	Lipomed 09022015-C
38	Aqueous control	0.400 g/dL	0.407 g/dL	Lipomed 08012015-C
39	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
40	Blood control	0.200 g/dL	0.200 g/dL	ACQ 407041529/3
41	Blank	Not detected	Not detected	SPD lab 090517

SUBJECT SAMPLES

Subjects in the sequence 13 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid WAB1570 10/3/17 Analyst
 Run valid Run invalid KOSECKI 10/4/17 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

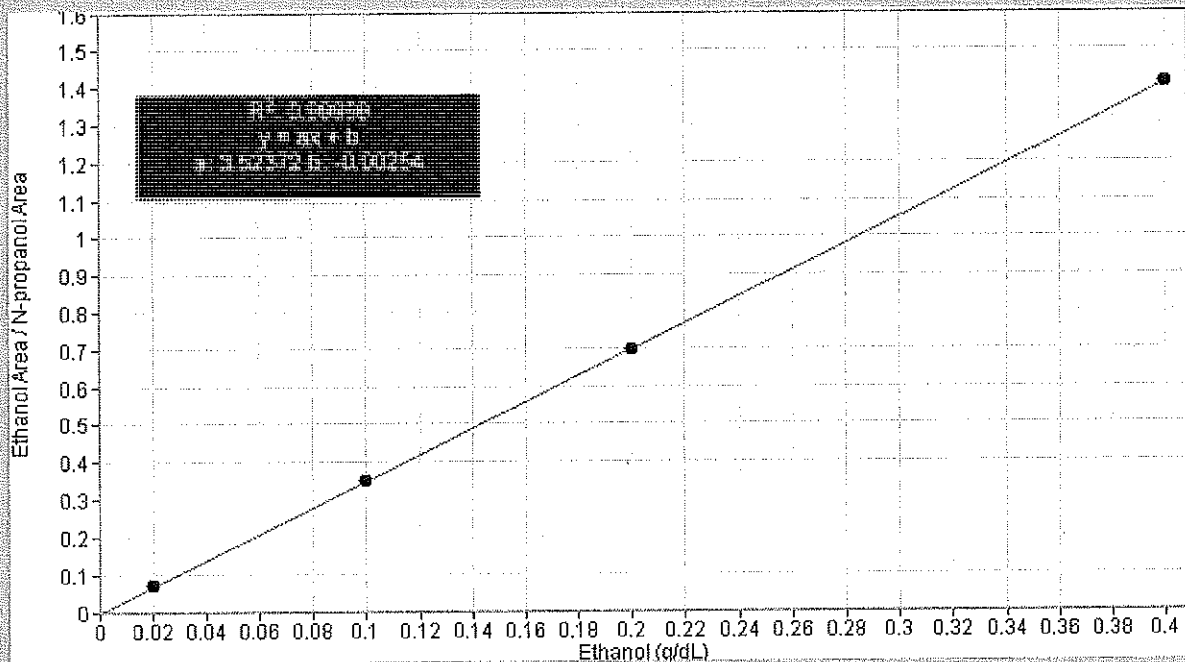
SEQUENCE NAME: 30Oct17

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	0.402	0.400	0.50	0.002
0.040 Lipomed 09022015-A	8	0.039	0.040	2.50	-0.001
0.20 ACQ 407041529/3	9	0.202	0.200	1.00	0.002
0.080 Lipomed 28082014-B	20	0.080	0.080	0.00	0.000
0.150 Lipomed 09022015-C	31	0.152	0.150	1.33	0.002
0.40 Lipomed 08012015-C	38	0.407	0.400	1.75	0.007
0.04 Lipomed 09022015-A	39	0.039	0.040	2.50	-0.001
0.20 ACQ 407041529/3	40	0.200	0.200	0.00	0.000
blank 090517	41	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.805	184.249	0.070
0.100	65.569	188.064	0.349
0.200	129.189	184.289	0.701
0.400	264.294	187.740	1.408

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 10/3/2017 10:20:31 AM	Vial: 1
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\1.D	

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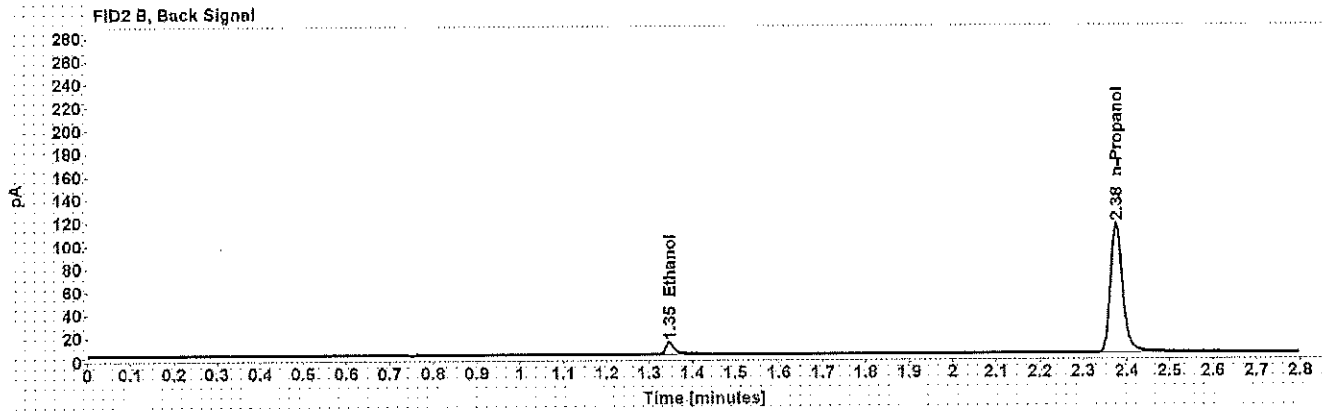
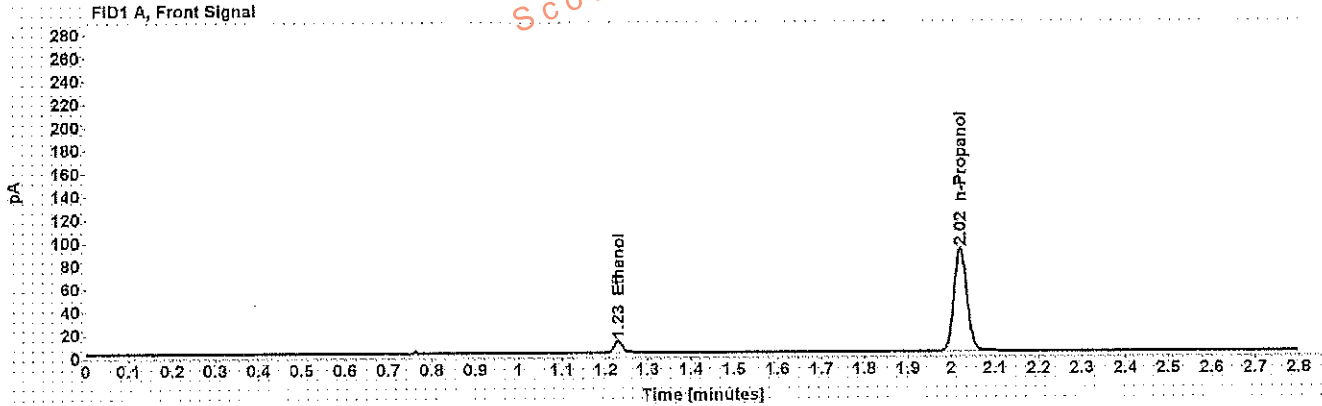


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.230	12.805
n-Propanol	2.021	184.249

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

Compound	Time (min)	Peak Area
Ethanol	1.347	14.449
n-Propanol	2.376	221.493

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.100 Cerilliant FN06181501	Item number:
Injection date: 10/3/2017 10:24:30 AM	Vial: 2
Method: ethanol quant M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\2.D	

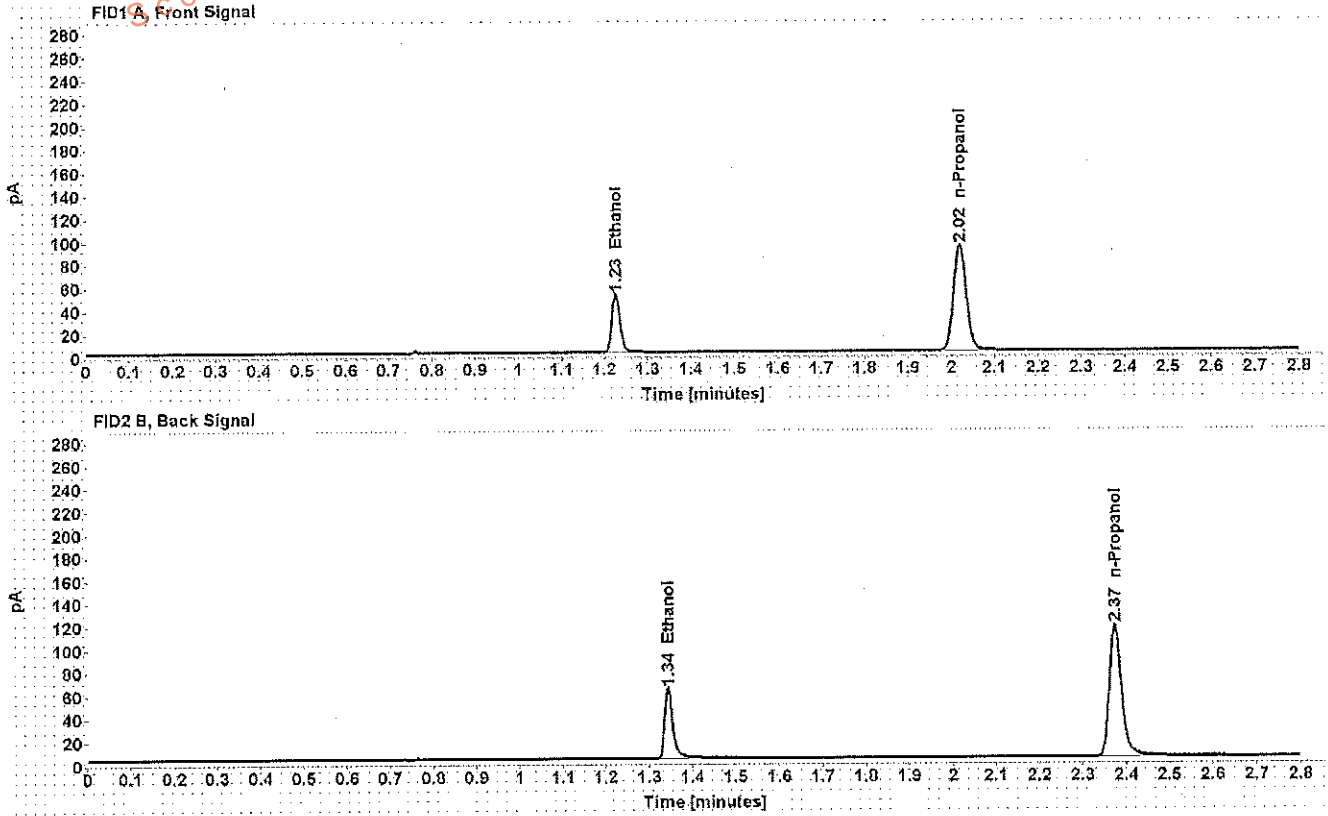


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.227	65.569
n-Propanol	2.020	188.064

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

Compound	Time (min)	Peak Area
Ethanol	1.343	80.756
n-Propanol	2.374	225.408

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 10/3/2017 10:28:31 AM	Vial: 3
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\30Oct17\3.D	

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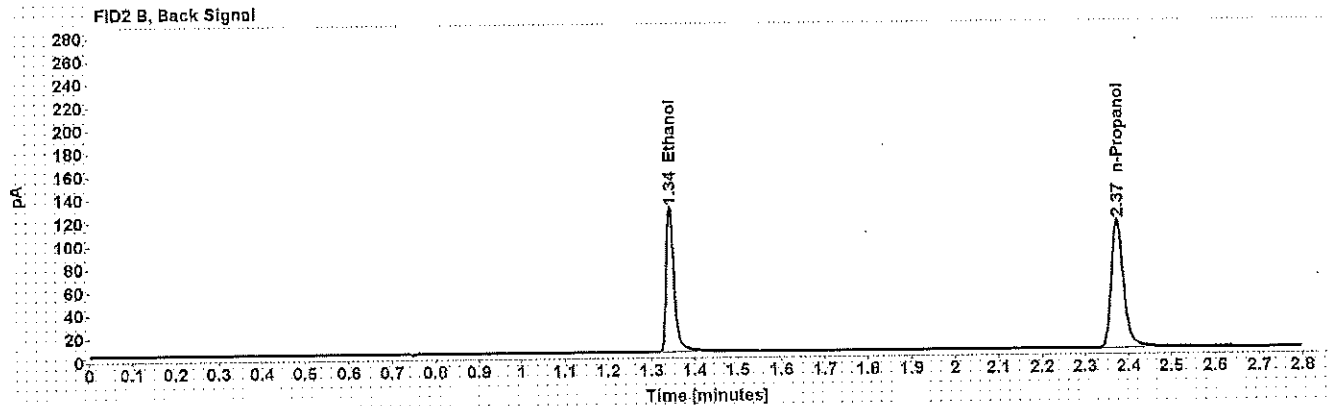
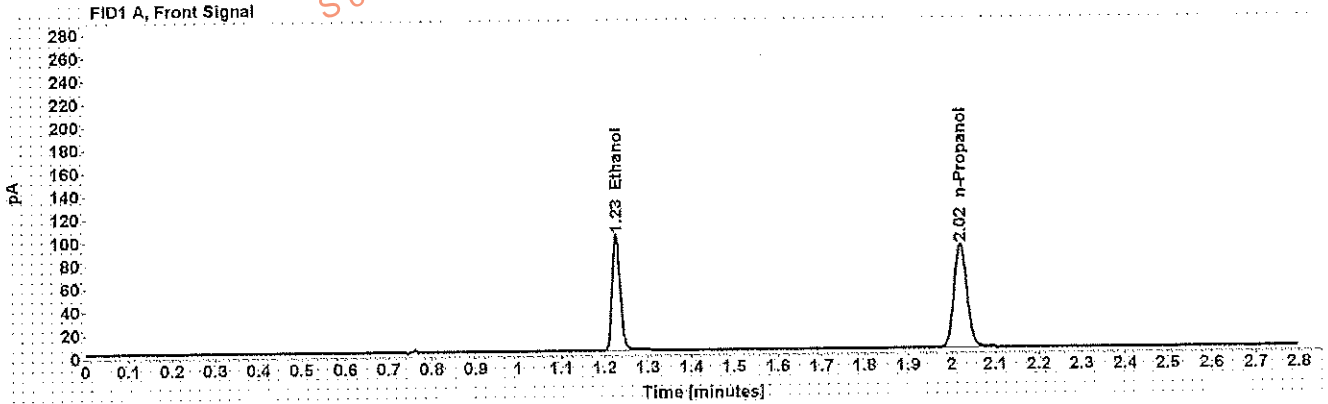


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.227	129.189
n-Propanol	2.020	184.289

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

Compound	Time (min)	Peak Area
Ethanol	1.342	160.789
n-Propanol	2.374	220.975

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 10/3/2017 10:32:30 AM	Vial: 4
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Oct17\4.D	

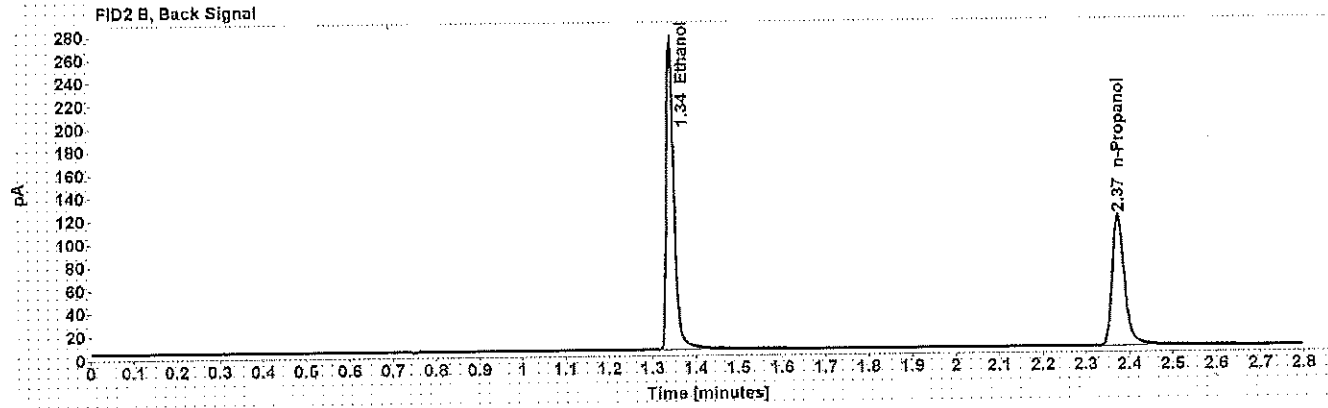
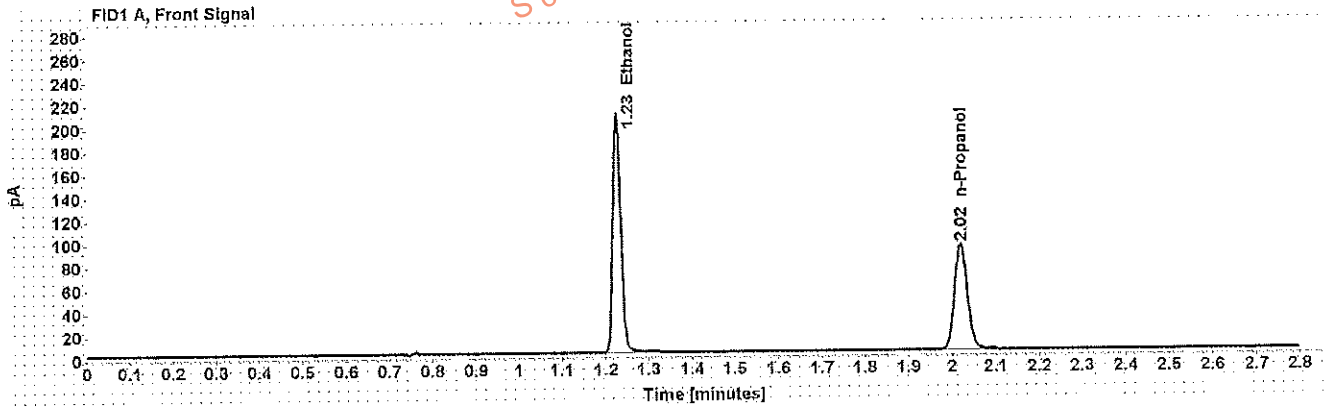


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	264.294
n-Propanol	2.020	187.740

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

Compound	Time (min)	Peak Area
Ethanol	1.342	330.745
n-Propanol	2.374	225.265

Scottsdale Police Department Crime Lab Volatiles Analysis

NA

Sample: blank 090517	Item number:
Injection date: 10/3/2017 10:36:31 AM	Vial: 5
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Oct17\5.D	

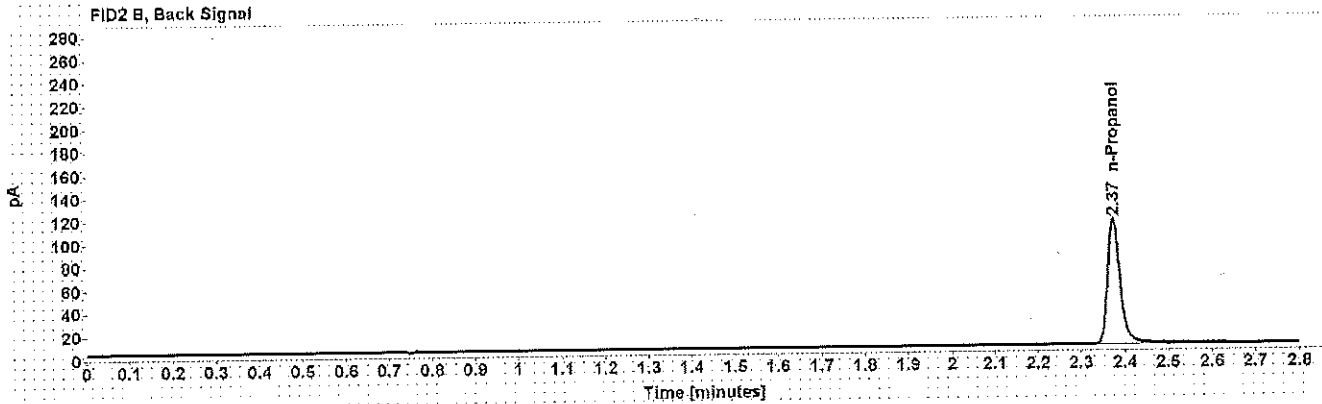
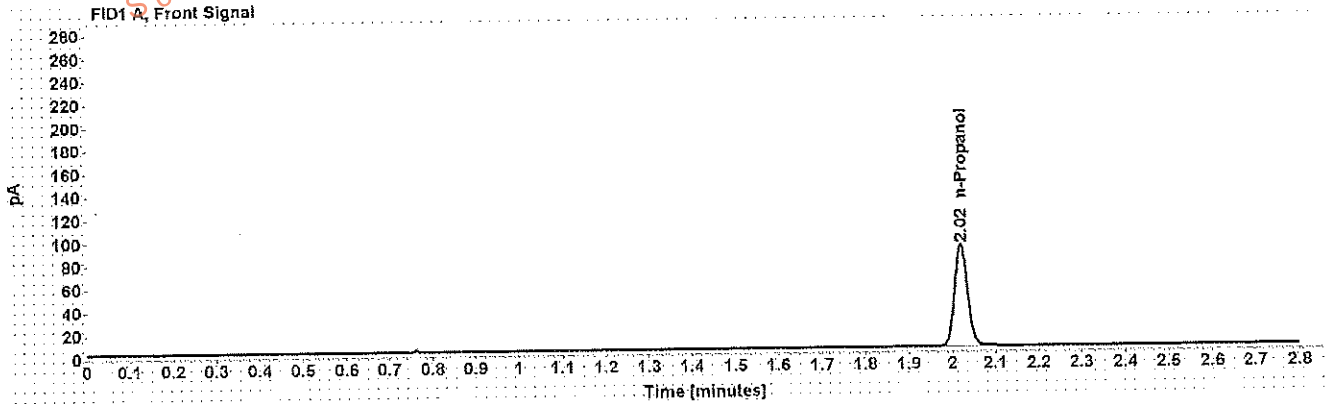


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.020	180.617

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	215.296

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: volatiles mix 020917 WLA	Item number:
Injection date: 10/3/2017 10:40:31 AM	Vial: 6
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1>Data\30Oct17\6.D	

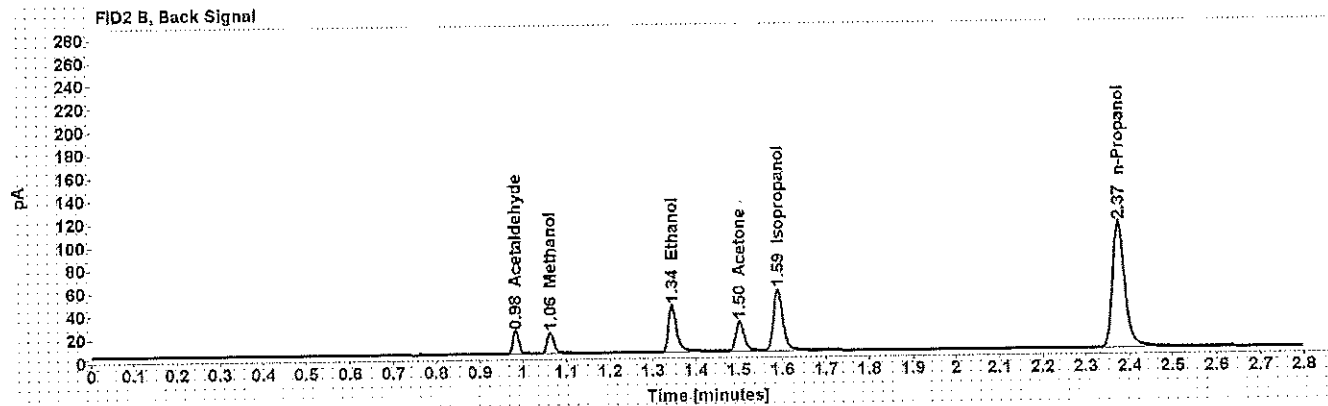
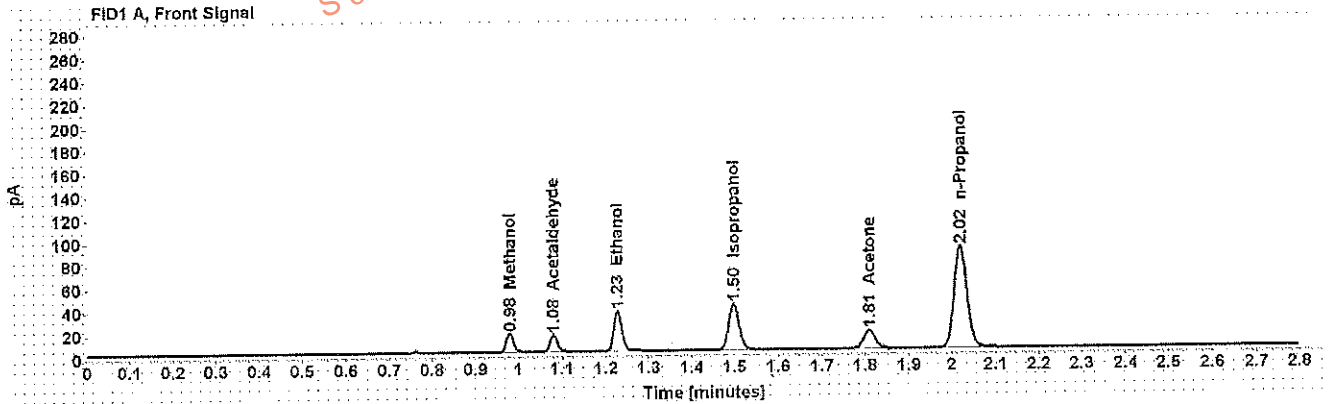


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.979	18.074
Acetaldehyde	-----	1.081	15.988
>Ethanol	0.0710	1.228	44.711
Isopropanol	-----	1.498	65.357
Acetone	-----	1.809	28.054
n-Propanol	-----	2.020	180.617

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	19.261
Methanol	1.063	19.455
Ethanol	1.344	54.772
Acetone	1.501	34.521
Isopropanol	1.590	81.827
n-Propanol	2.375	215.671

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 10/3/2017 10:44:46 AM	Vial: 7
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Oct17\7.D	

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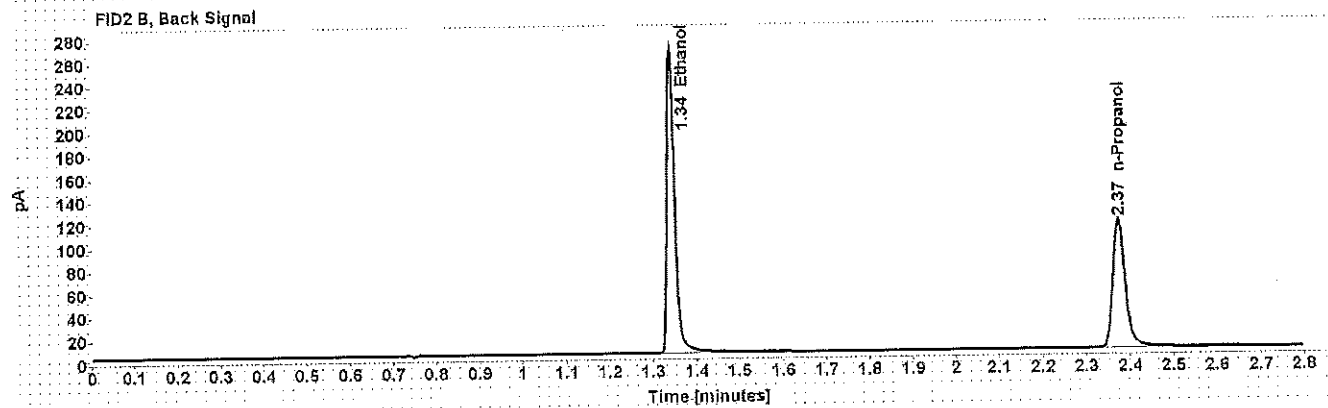
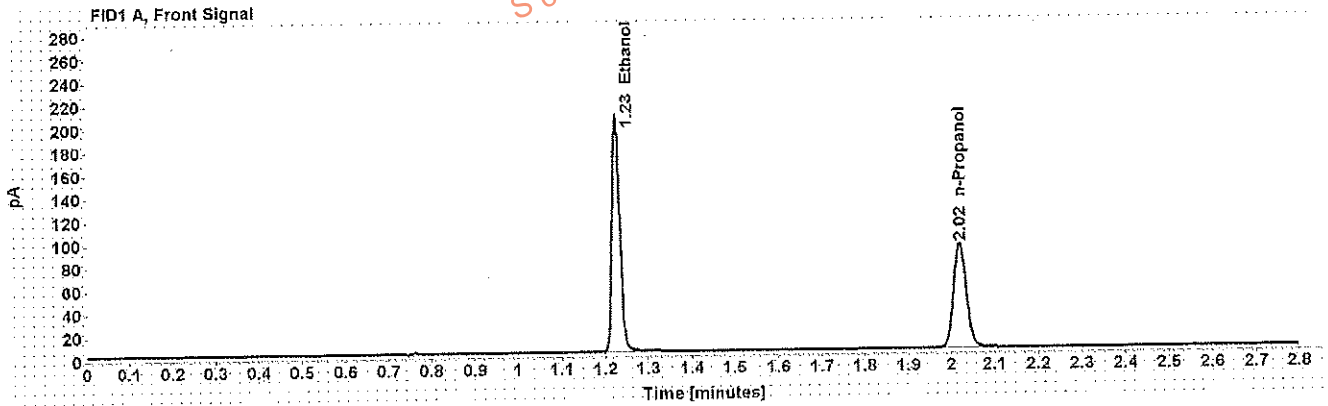


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4027	1.227	263.165
n-Propanol	-----	2.020	185.808

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

Compound	Time (min)	Peak Area
Ethanol	1.342	326.649
n-Propanol	2.374	222.137

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.040 Lipomed 09022015-A	Item number:
Injection date: 10/3/2017 10:48:46 AM	Vial: 8
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\3Oct17\8.D	

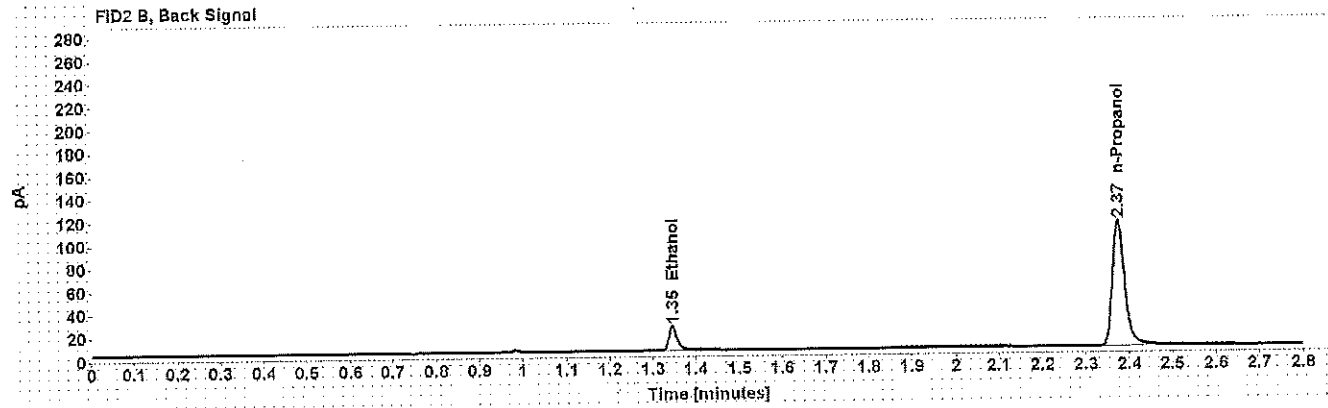
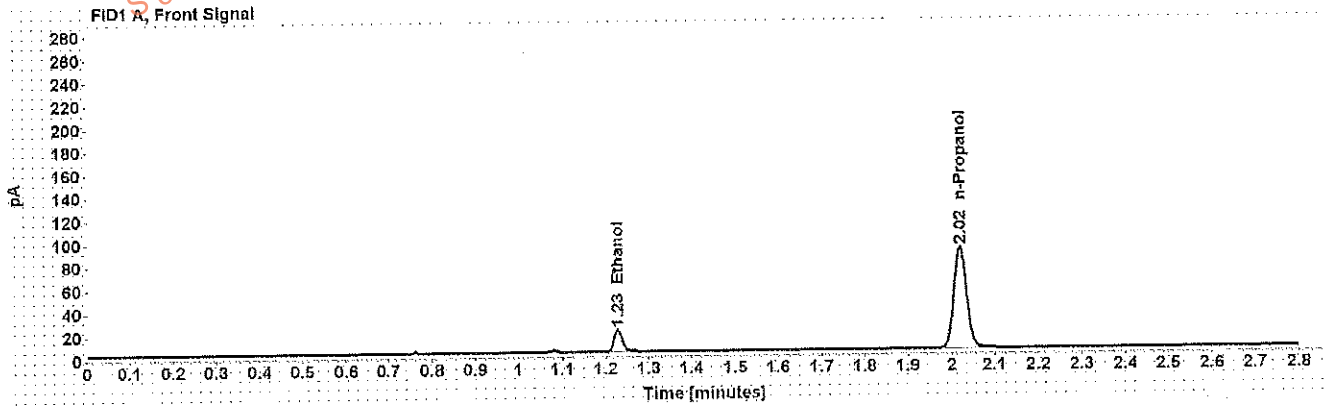


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0393	1.229	24.524
n-Propanol	-----	2.020	180.238

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

Compound	Time (min)	Peak Area
Ethanol	1.345	28.754
n-Propanol	2.375	214.894

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 10/3/2017 10:52:45 AM	Vial: 9
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\3Oct17\0.D	

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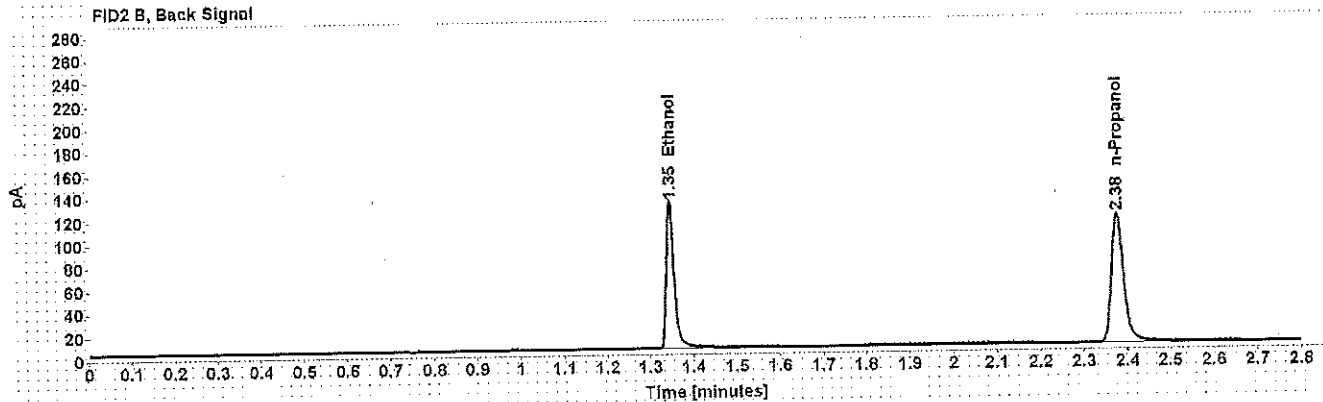
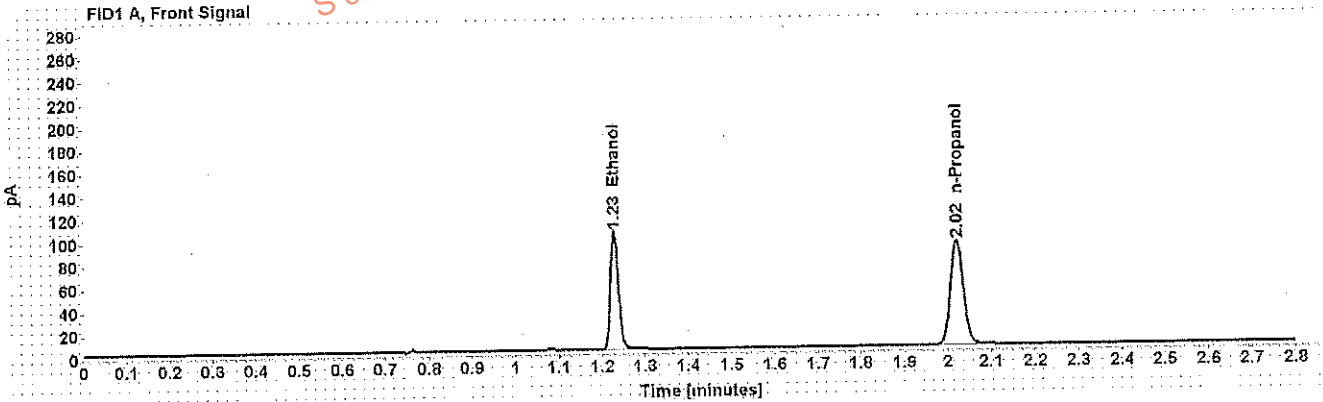


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2023	1.229	131.934
n-Propanol	-----	2.022	185.750

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

Compound	Time (min)	Peak Area
Ethanol	1.345	163.243
n-Propanol	2.377	221.941

Scottsdale Police Department Crime Lab Volatiles Analysis

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W4

Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 10/3/2017 11:37:16 AM	Vial: 20
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\20.D	

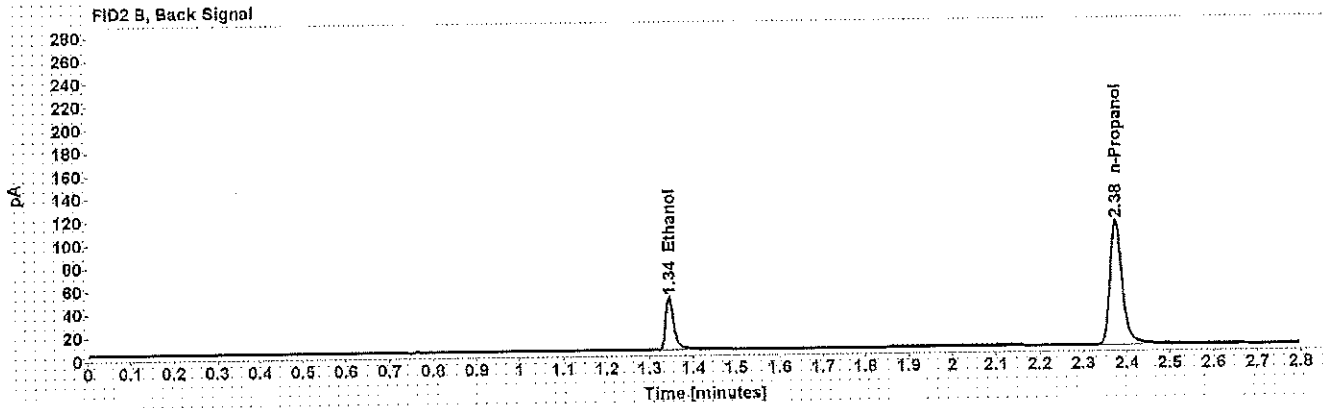
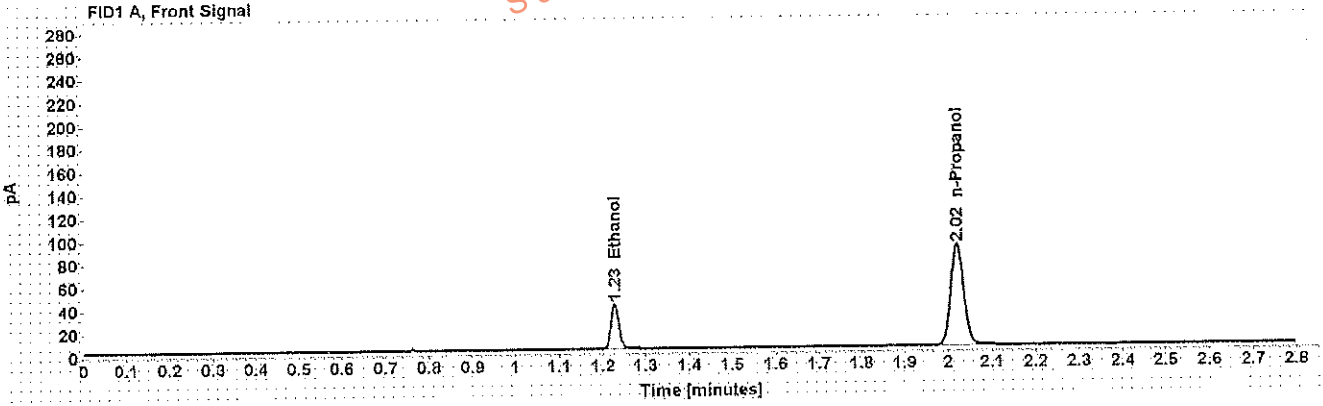


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0801	1.228	50.325
n-Propanol	-----	2.021	179.855

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

Compound	Time (min)	Peak Area
Ethanol	1.345	59.831
n-Propanol	2.375	213.641

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.150 Lipomed 09022015-C	Item number:
Injection date: 10/3/2017 12:21:46 PM	Vial: 31
Method: ethanol.quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\3Oct17\31.D	

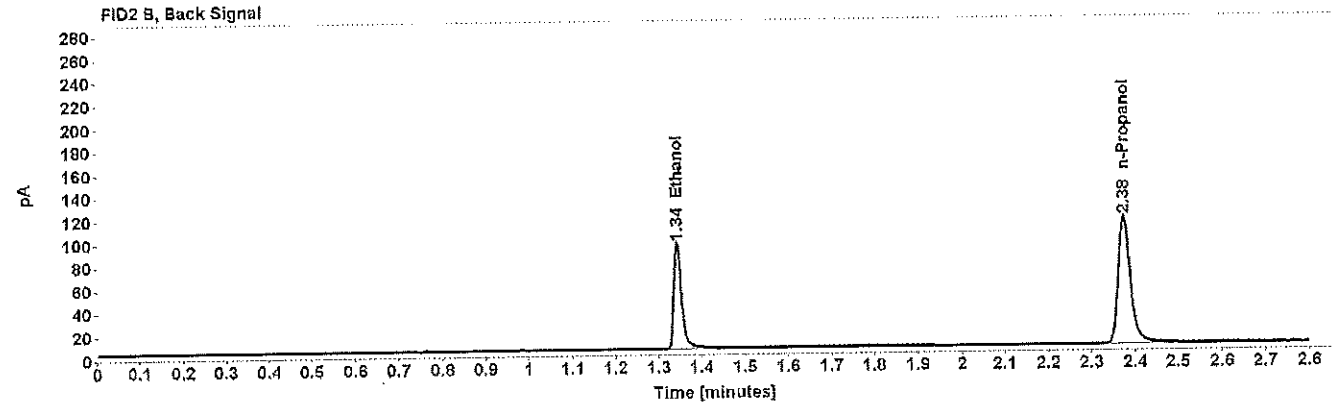
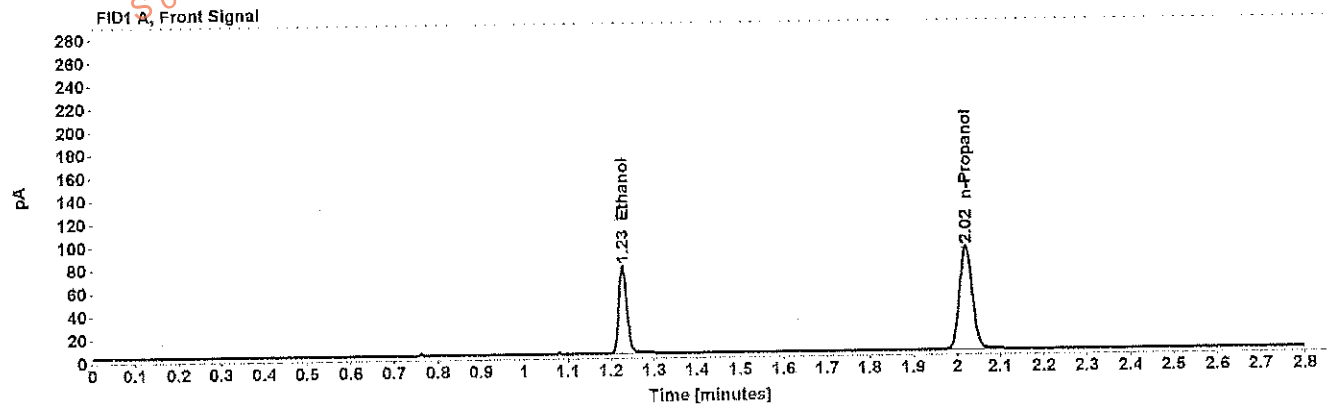


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1523	1.228	98.548
n-Propanol	-----	2.021	184.487

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

Compound	Time (min)	Peak Area
Ethanol	1.344	116.335
n-Propanol	2.375	218.186

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.40 Lipomed 08012015-C	Item number:
Injection date: 10/3/2017 12:50:01 PM	Vial: 38
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\3Oct17\38.D	

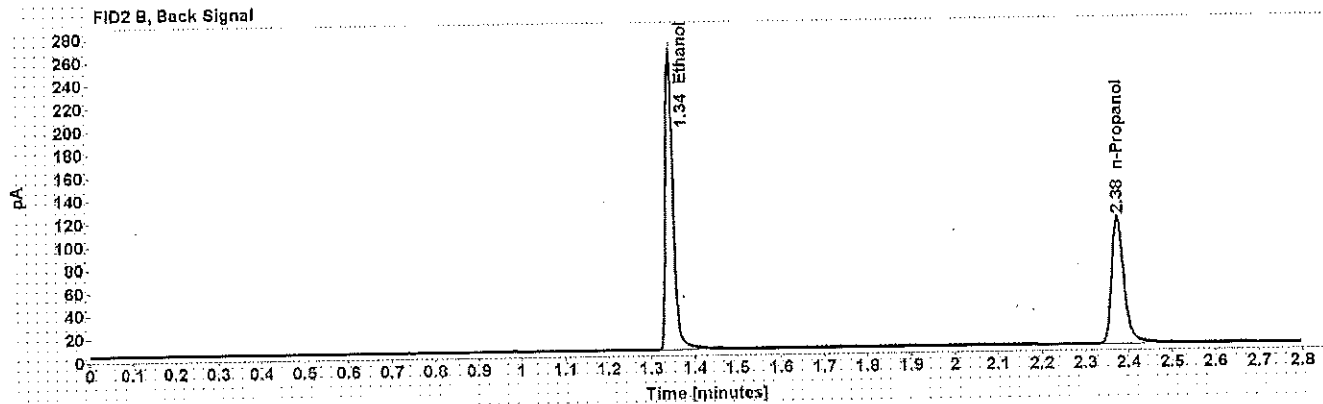
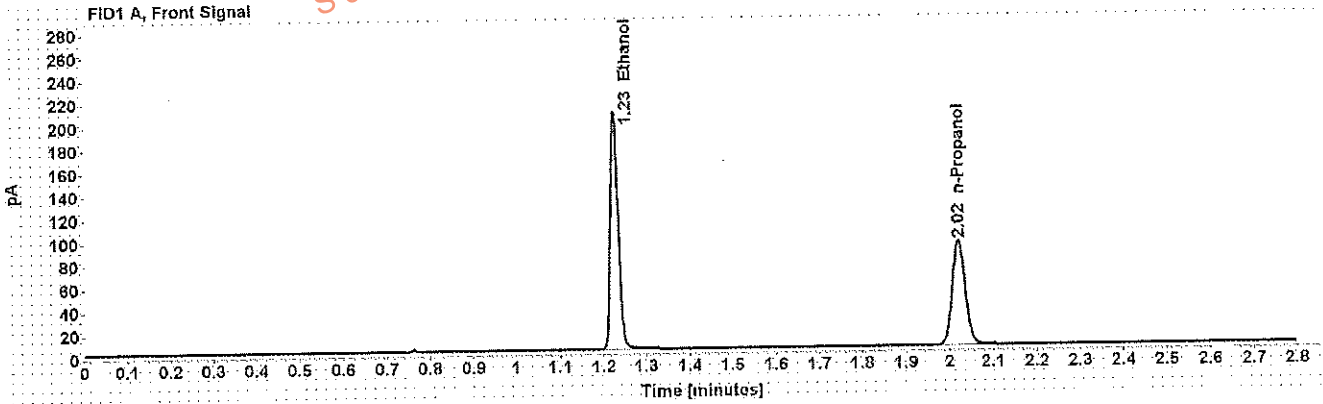


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4071	1.227	266.440
n-Propanol	-----	2.021	186.081

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

Compound	Time (min)	Peak Area
Ethanol	1.343	316.597
n-Propanol	2.375	219.946

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 10/3/2017 12:54:01 PM	Vial: 39
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\39.D	

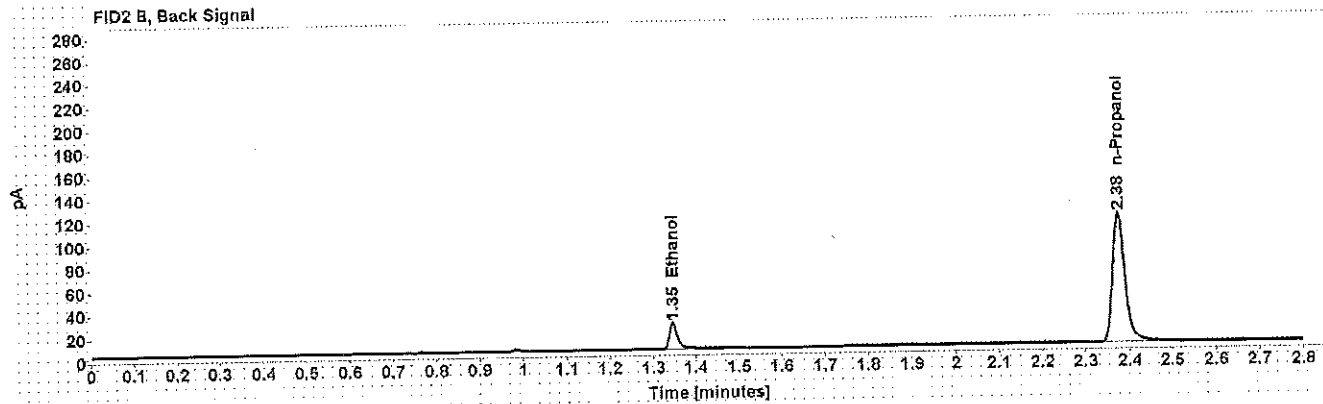
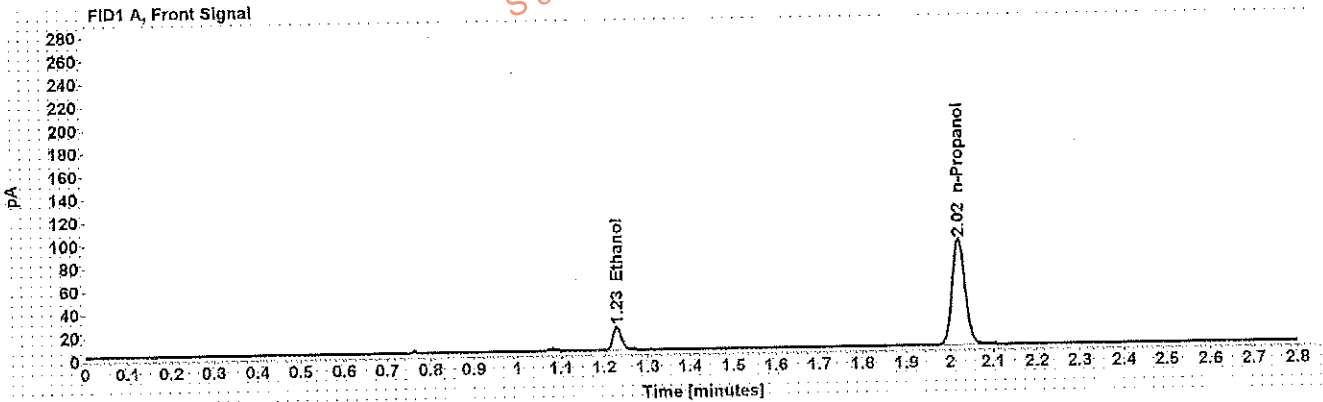


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0397	1.229	25.865
n-Propanol	-----	2.021	188.190

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

Compound	Time (min)	Peak Area
Ethanol	1.346	29.617
n-Propanol	2.375	222.616

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 10/3/2017 12:58:01 PM	Vial: 40
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\3Oct17\40.D	

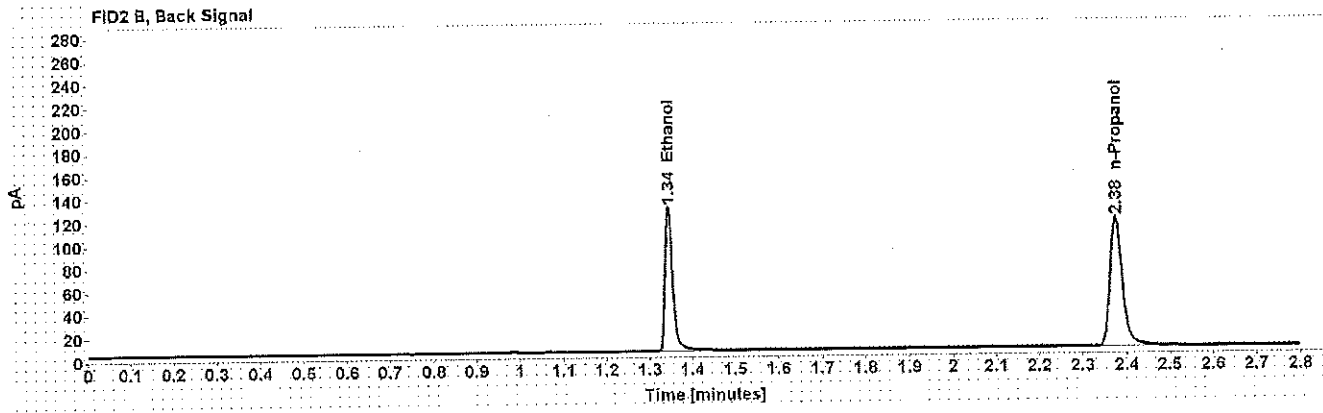
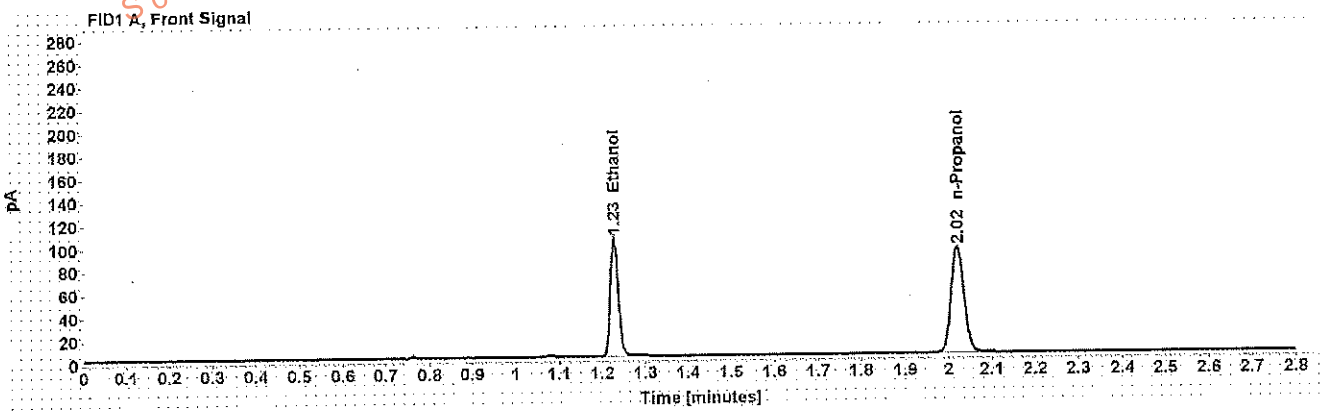


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2008	1.228	133.025
n-Propanol	-----	2.021	188.645

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

Compound	Time (min)	Peak Area
Ethanol	1.344	157.848
n-Propanol	2.376	222.760

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

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Sample:	blank 090517	Item number:	
Injection date:	10/3/2017 1:02:01 PM	Vial:	41
Method:	ethanol quant.M	Sequence:	3Oct17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem321\1Data\3Oct17\41.D		

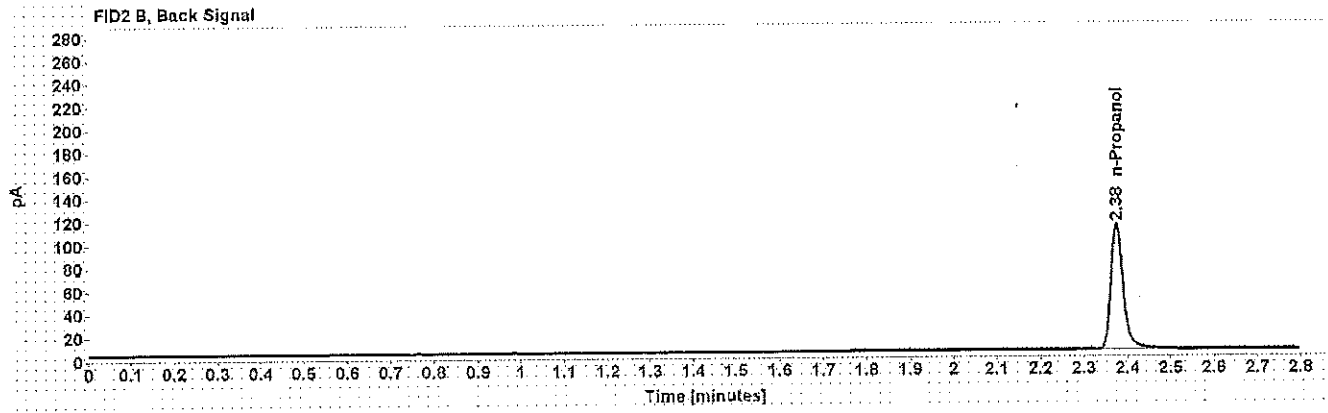
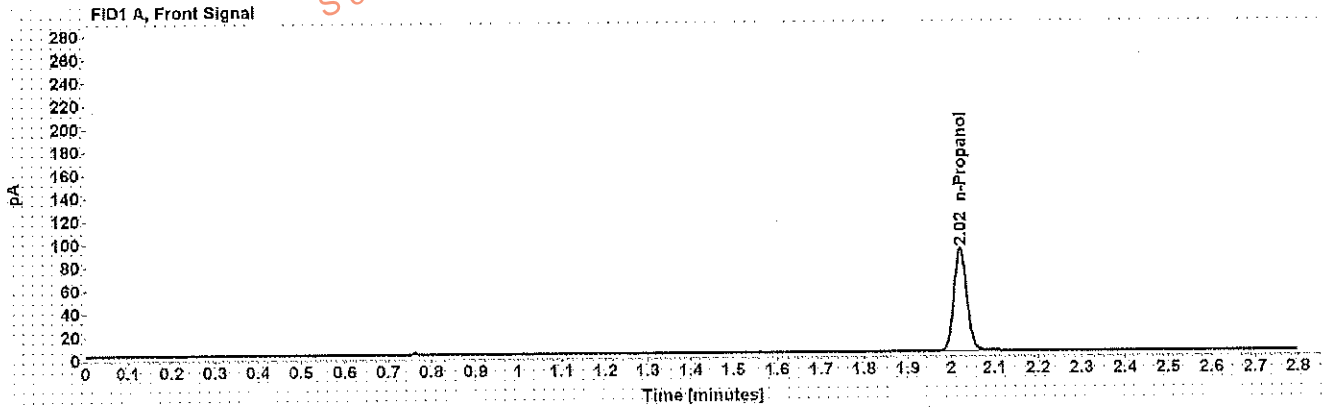


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.021	182.825

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	215.677

Sequence Summary

WA

Sequence name: 3Oct17 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	737791	ethanol quant.M
11		Sample	737791	ethanol quant.M
12		Sample	1143102	ethanol quant.M
13		Sample	1143102	ethanol quant.M
14		Sample	1173662	ethanol quant.M
15		Sample	1173662	ethanol quant.M
16		Sample	1171619	ethanol quant.M
17		Sample	1171619	ethanol quant.M
18		Sample	1171533	ethanol quant.M
19		Sample	1171533	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1172124	ethanol quant.M
22		Sample	1172124	ethanol quant.M
23		Sample	1172640	ethanol quant.M
24		Sample	1172640	ethanol quant.M
25		Sample	1172979	ethanol quant.M
26		Sample	1172979	ethanol quant.M
27		Sample	1176201	ethanol quant.M
28		Sample	1176201	ethanol quant.M
29		Sample	1176891	ethanol quant.M
30		Sample	1176891	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32		Sample	285-01A	ethanol quant.M
33		Sample	285-01A	ethanol quant.M
34		Sample	1177701	ethanol quant.M
35		Sample	1177701	ethanol quant.M
36		Sample	1177737	ethanol quant.M
37		Sample	1177737	ethanol quant.M
38	0.40 Lipomed 08012015-C	Control		ethanol quant.M
39	0.04 Lipomed 09022015-A	Control		ethanol quant.M
40	0.20 ACQ 407041529/3	Control		ethanol quant.M
41	blank 090517	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 3Oct17

ANALYST: Adrian WA

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2106	0.2102	0.21040	0.10	0.00020
12 13	0.0793	0.0787	0.07900	0.38	0.00030
14 15	0.0779	0.0775	0.07770	0.26	0.00020
16 17	0.0705	0.0696	0.07005	0.64	0.00045
18 19	0.1697	0.1685	0.16910	0.35	0.00060
21 22	0.1894	0.1890	0.18920	0.11	0.00020
23 24	0.2628	0.2637	0.26325	0.17	0.00045
25 26	0.1950	0.1898	0.19240	1.35	0.00260
27 28	0.0958	0.0953	0.09555	0.26	0.00025
29 30	0.0591	0.0599	0.05950	0.67	0.00040
32 33	0.0879	0.0882	0.08805	0.17	0.00015
34 35	0.1103	0.1121	0.11120	0.81	0.00090
36 37	0.1761	0.1731	0.17460	0.86	0.00150

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	737791
Injection date:	10/3/2017 10:56:47 AM	Vial:	10
Method:	ethanol quant M	Sequence:	3Oct17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211\Data\3Oct17\10.D		

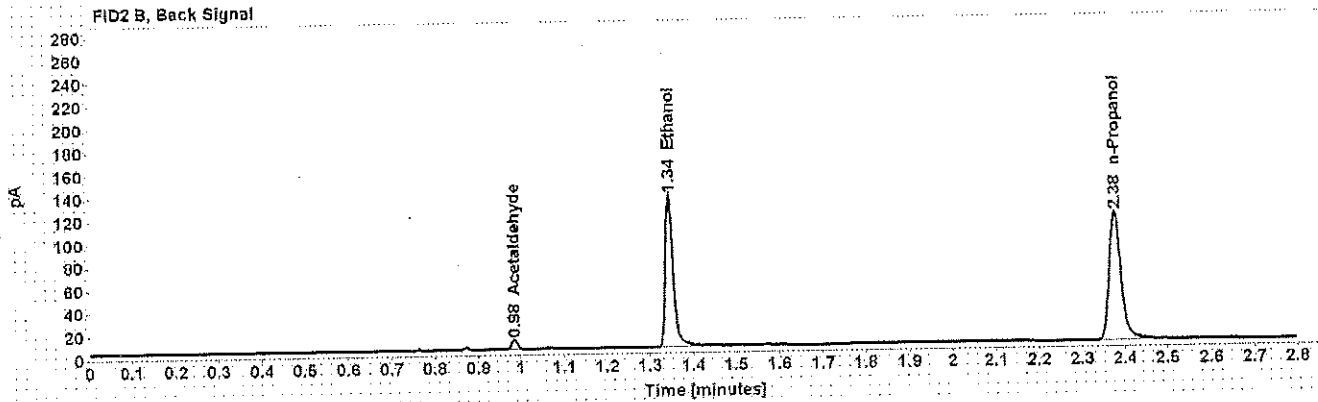
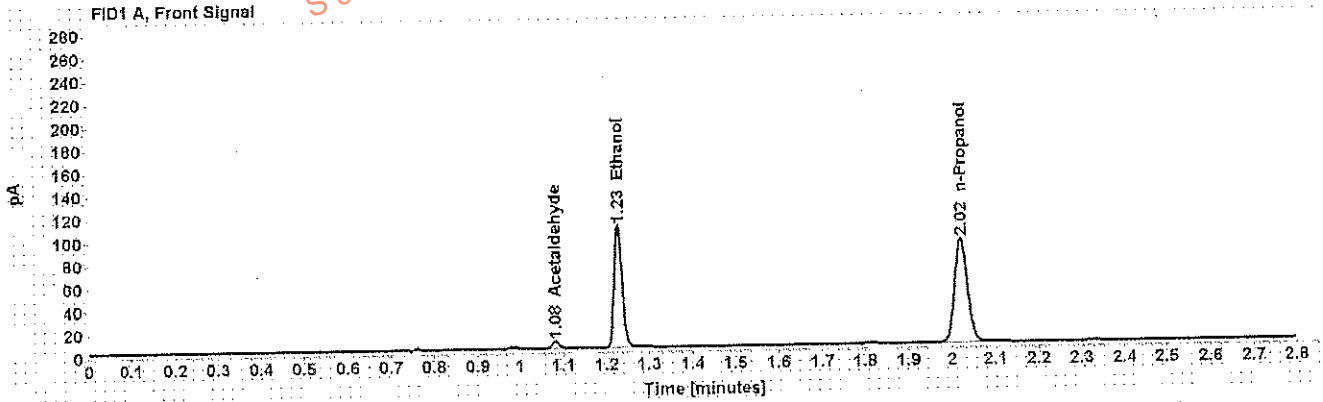


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	6.340
>Ethanol	0.2108	1.228	136.861
n-Propanol	-----	2.021	185.077

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.634
Ethanol	1.345	166.560
n-Propanol	2.376	221.633

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 737791
Injection date: 10/3/2017 11:00:46 AM Vial: 11
Method: ethanol quant.M Sequence: 3Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\11.D

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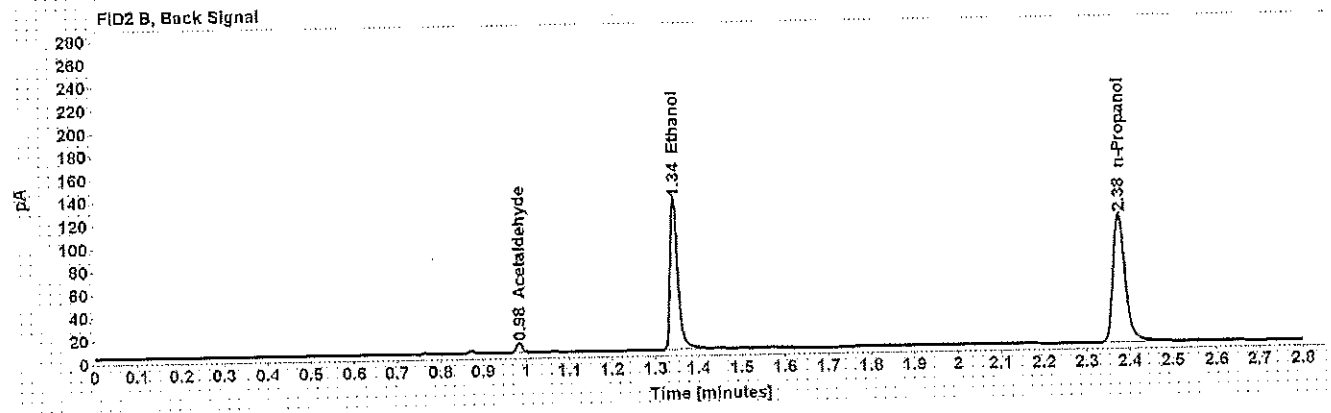
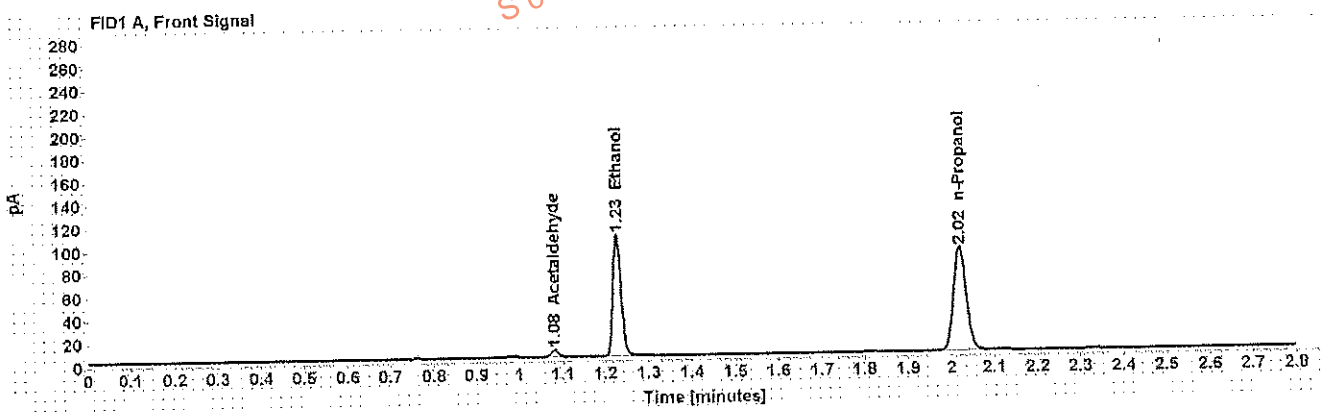


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	6.328
>Ethanol	0.2102	1.228	136.514
n-Propanol	-----	2.021	184.907

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.652
Ethanol	1.344	165.582
n-Propanol	2.376	221.404

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1143102
Injection date: 10/3/2017 11:04:45 AM Vial: 12
Method: ethanol quant.M Sequence: 30Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem3211\Data\30Oct17\12.D

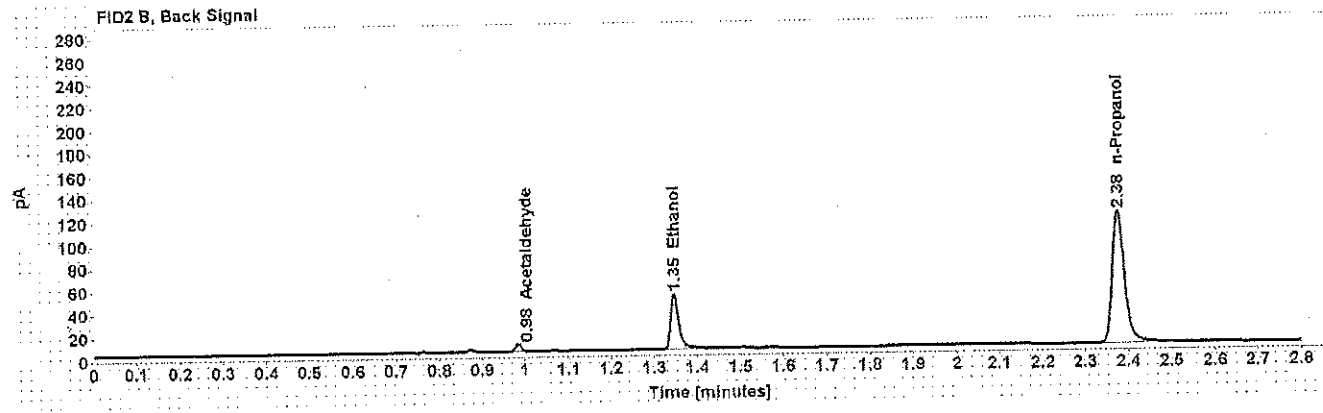
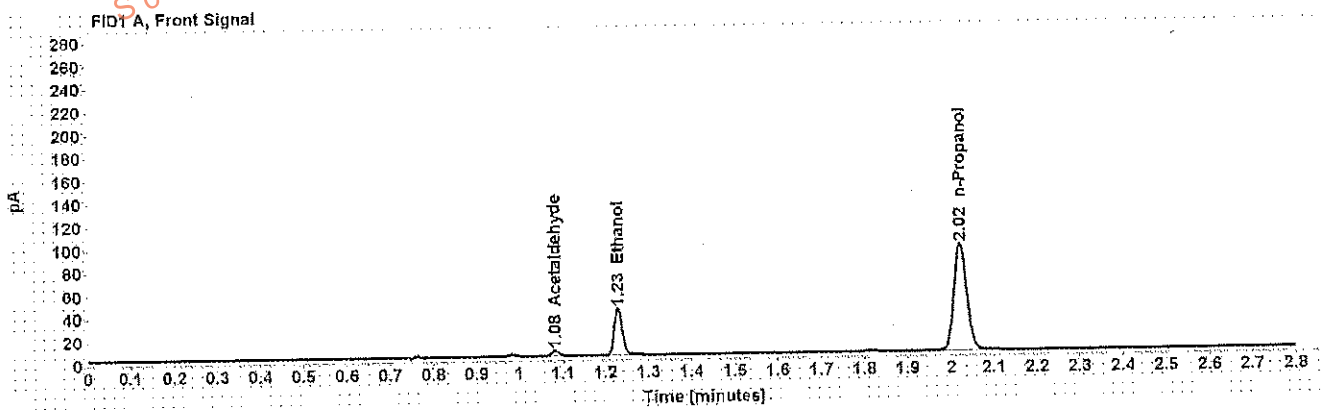


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.903
>Ethanol	0.0793	1.230	52.856
n-Propanol	-----	2.022	190.279

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	5.912
Ethanol	1.347	62.200
n-Propanol	2.377	227.346

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1143102
Injection date: 10/3/2017 11:09:00 AM	Vial: 13
Method: ethanol quant M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1Data\3Oct17\13.D	

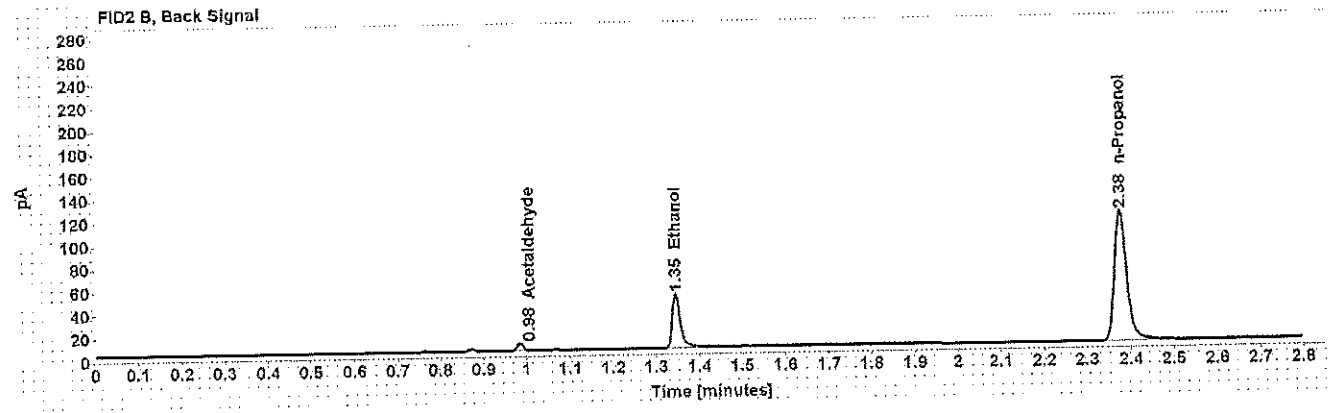
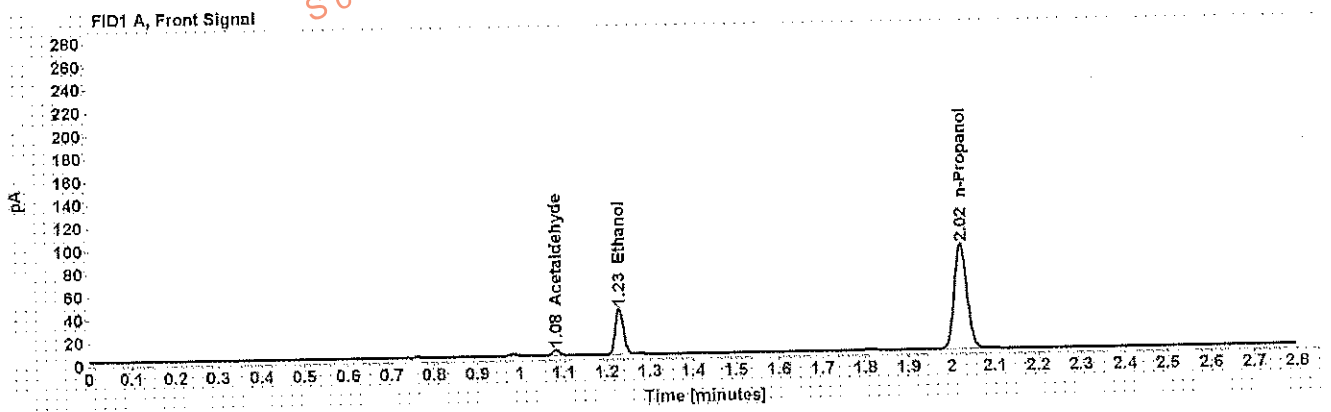


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.808
>Ethanol	0.0787	1.229	51.556
n-Propanol	-----	2.021	187.546

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.777
Ethanol	1.346	61.526
n-Propanol	2.376	223.986

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1173662
Injection date: 10/3/2017 11:13:01 AM Vial: 14
Method: ethanol quant.M Sequence: 3Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\14.D

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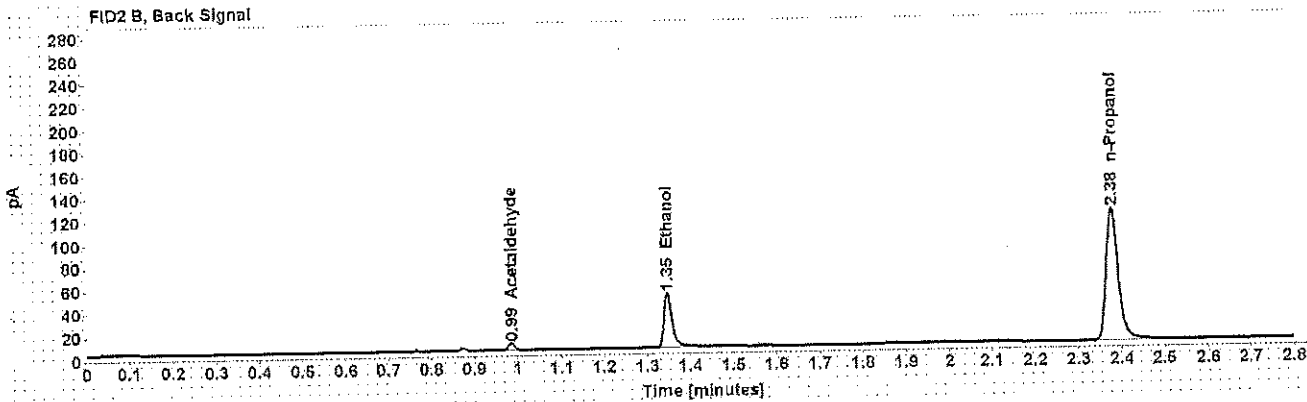
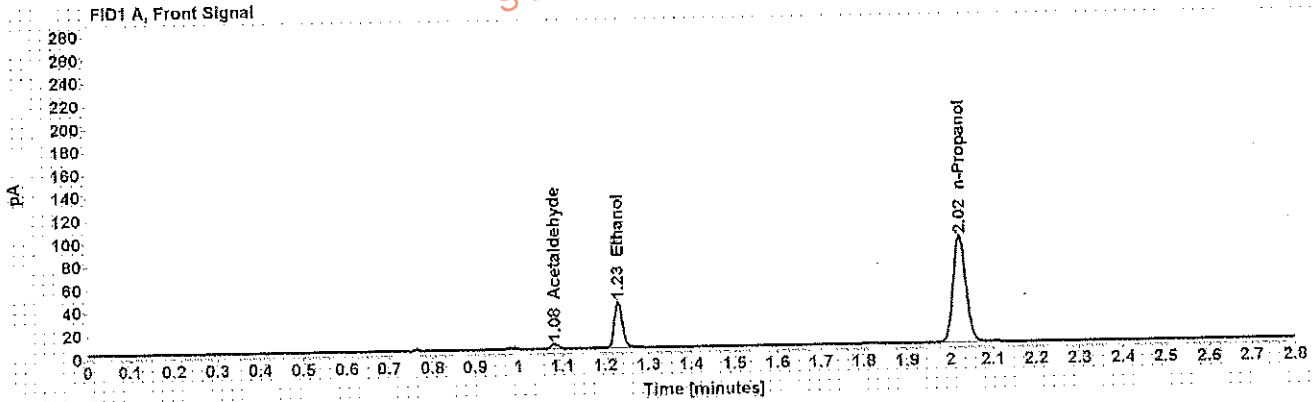


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.082	4.390
>Ethanol	0.0779	1.230	51.632
n-Propanol	-----	2.023	189.750

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	5.296
Ethanol	1.348	60.755
n-Propanol	2.378	226.722

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173662
Injection date: 10/3/2017 11:17:01 AM	Vial: 15
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\3Oct17\15.D	

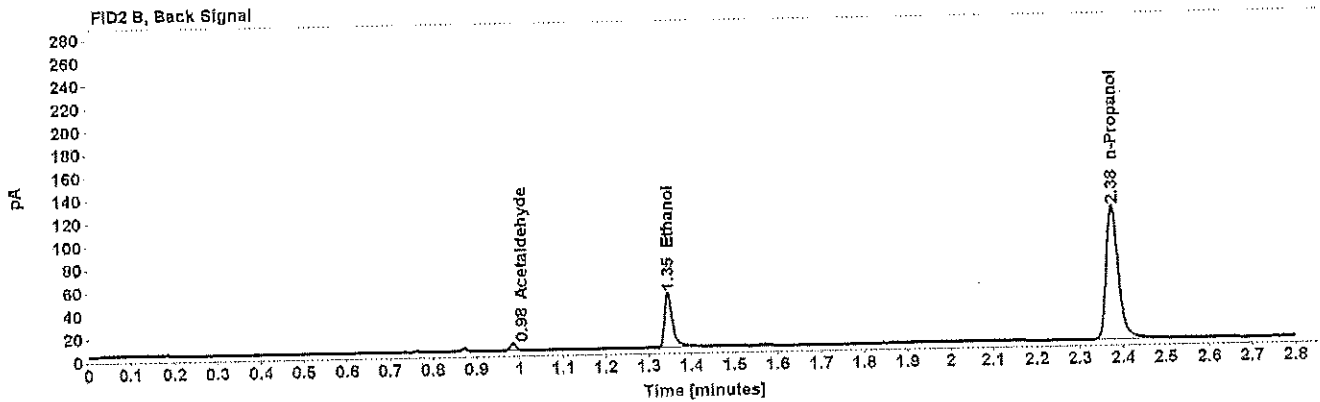
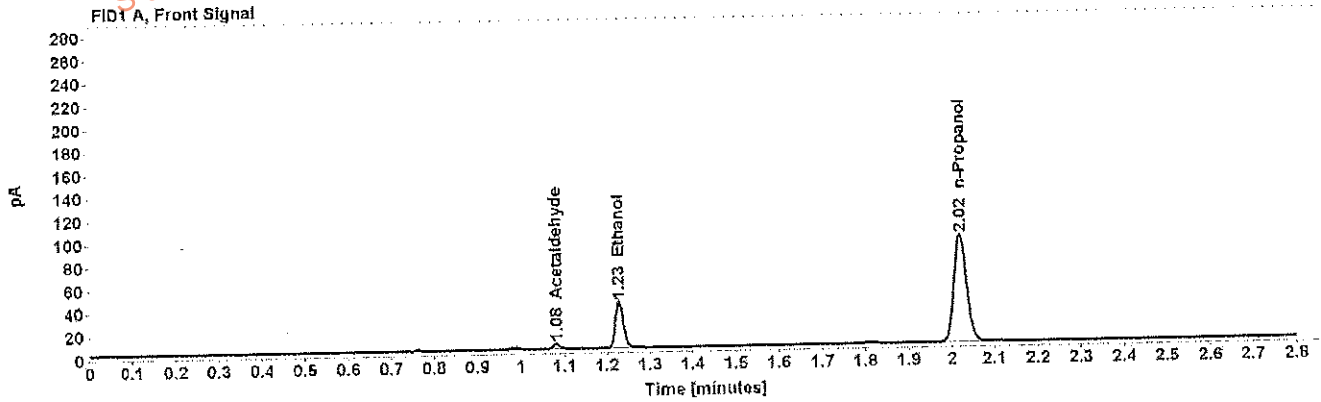


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.525
>Ethanol	0.0775	1.229	51.726
n-Propanol	-----	2.021	191.224

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.475
Ethanol	1.345	60.673
n-Propanol	2.376	228.664

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1171619
Injection date: 10/3/2017 11:21:01 AM Vial: 16
Method: ethanol quant M Sequence: 3Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem321\1Data\3Oct17\16.D

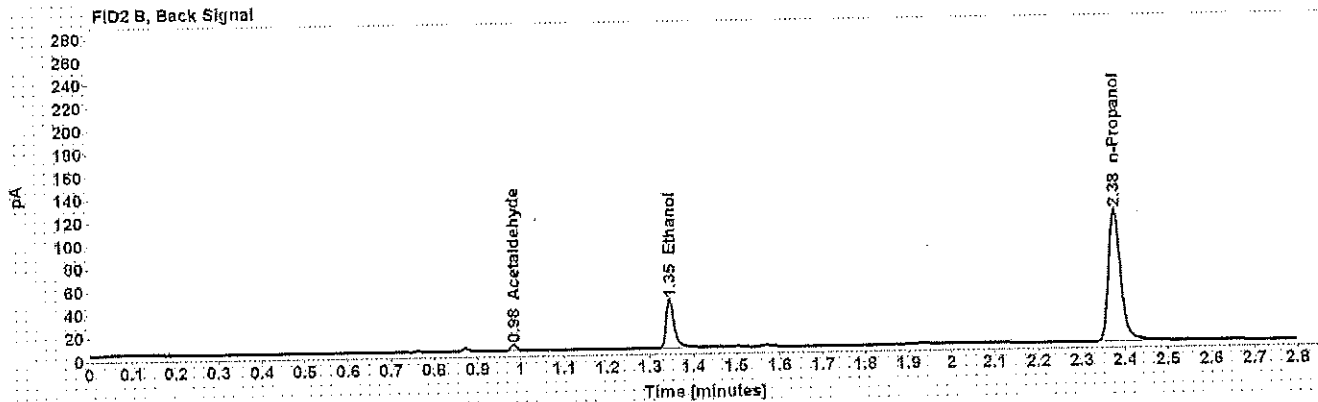
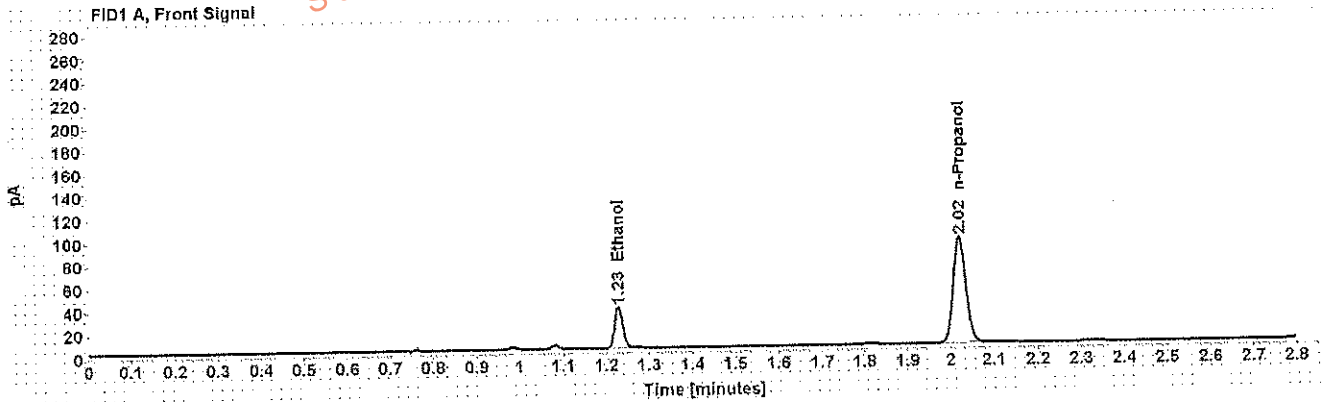


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0705	1.229	46.506
n-Propanol	-----	2.021	189.061

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.485
Ethanol	1.346	54.400
n-Propanol	2.376	226.428

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1171619
Injection date: 10/3/2017 11:25:01 AM Vial: 17
Method: ethanol quant.M Sequence: 3Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\17.D

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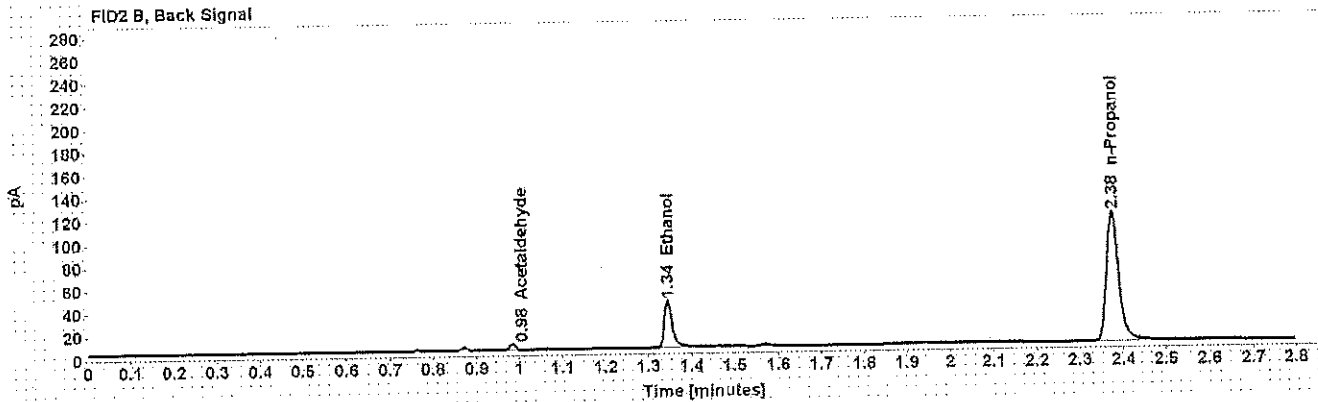
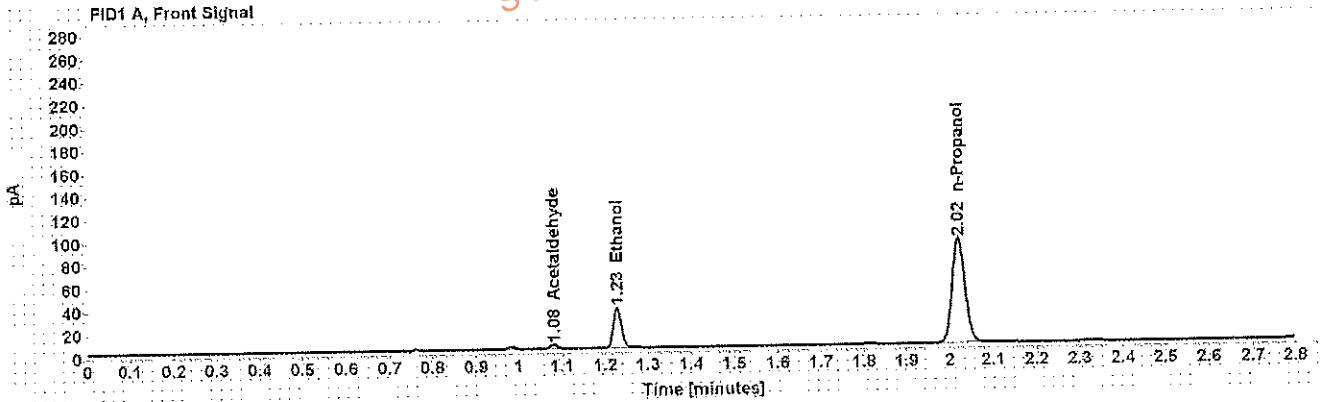


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.760
>Ethanol	0.0696	1.228	45.110
n-Propanol	-----	2.021	185.929

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.580
Ethanol	1.345	52.981
n-Propanol	2.375	222.301

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1171533
Injection date: 10/3/2017 11:29:01 AM	Vial: 18
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\3Oct17\18.D	

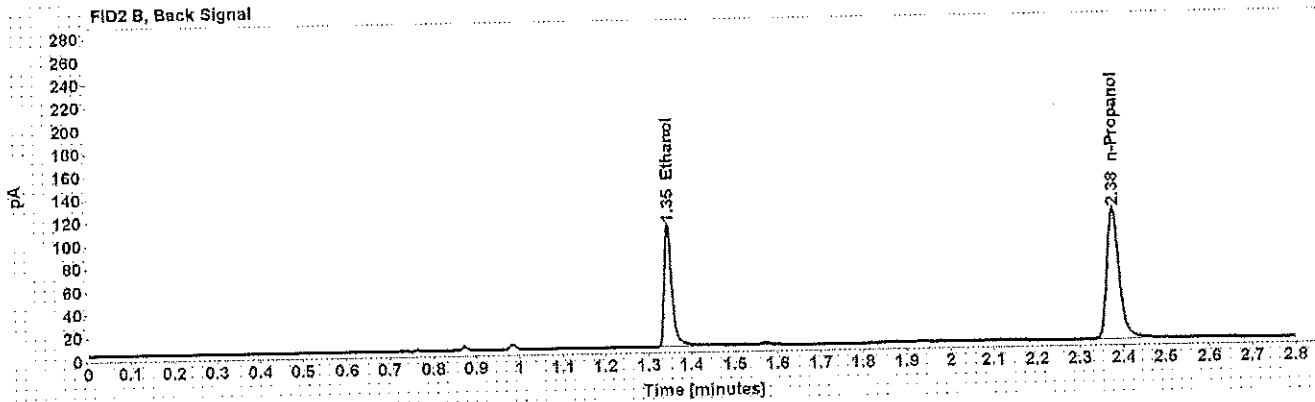
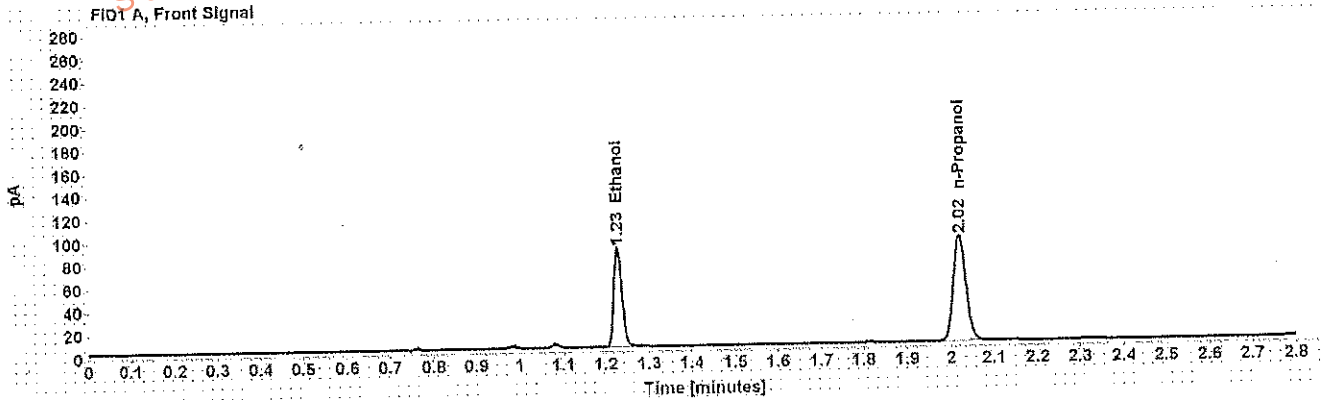


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1697	1.229	111.735
n-Propanol	-----	2.022	187.663

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

Compound	Time (min)	Peak Area
Ethanol	1.345	135.634
n-Propanol	2.377	224.319

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1171533
Injection date: 10/3/2017 11:33:16 AM Vial: 19
Method: ethanol quant M Sequence: 3Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem3211\Data\3Oct17\19.D

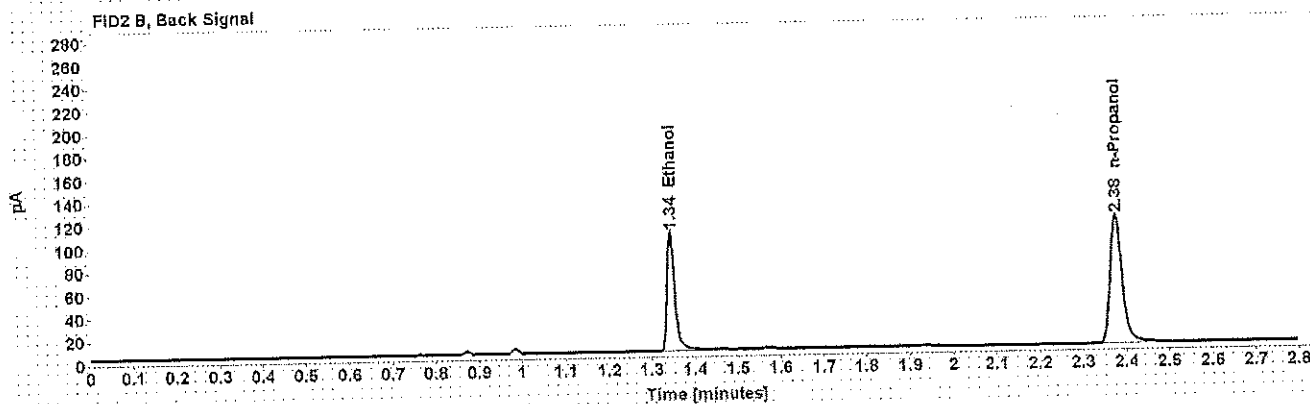
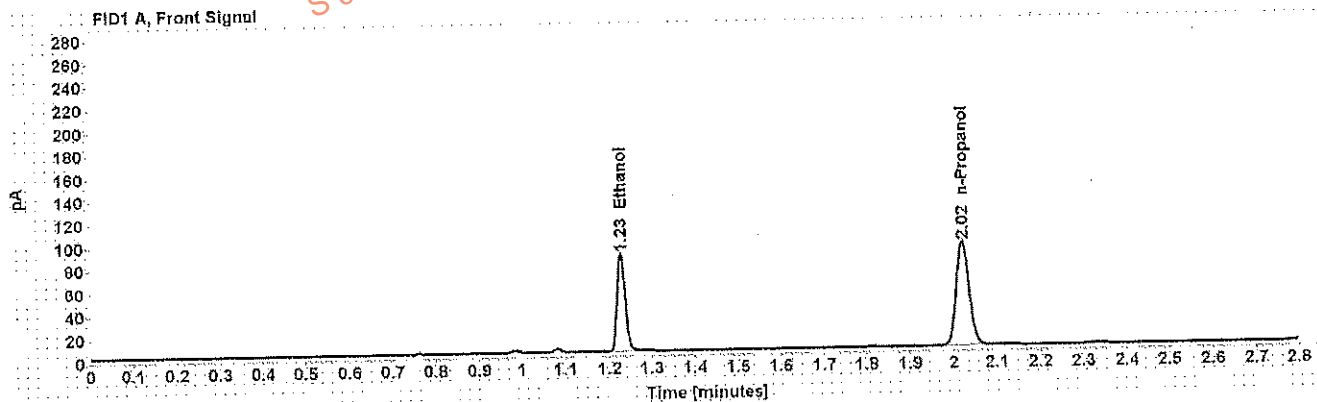


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1685	1.228	109.468
n-Propanol	-----	2.021	185.109

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

Compound	Time (min)	Peak Area
Ethanol	1.345	132.399
n-Propanol	2.376	221.634

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1172124
Injection date: 10/3/2017 11:41:16 AM	Vial: 21
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\21.D	

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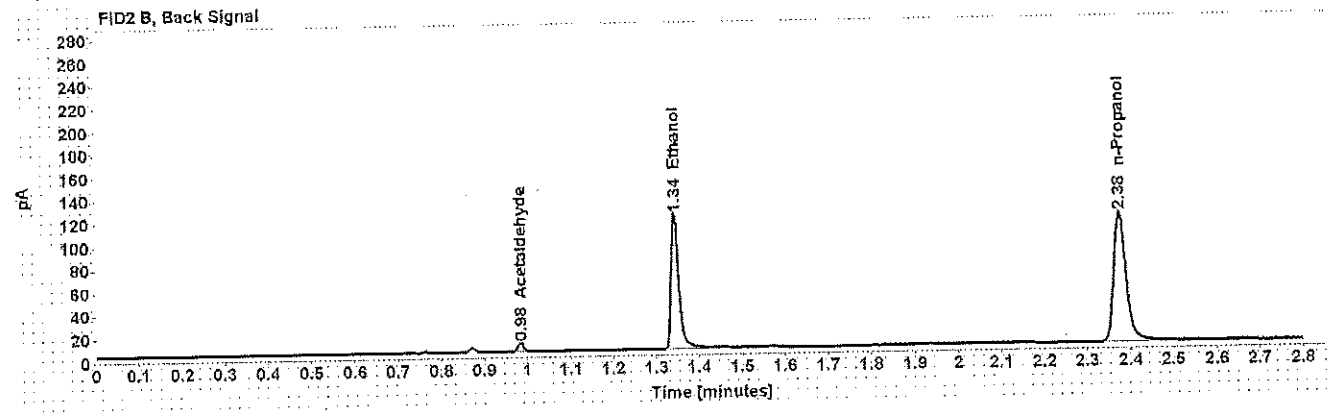
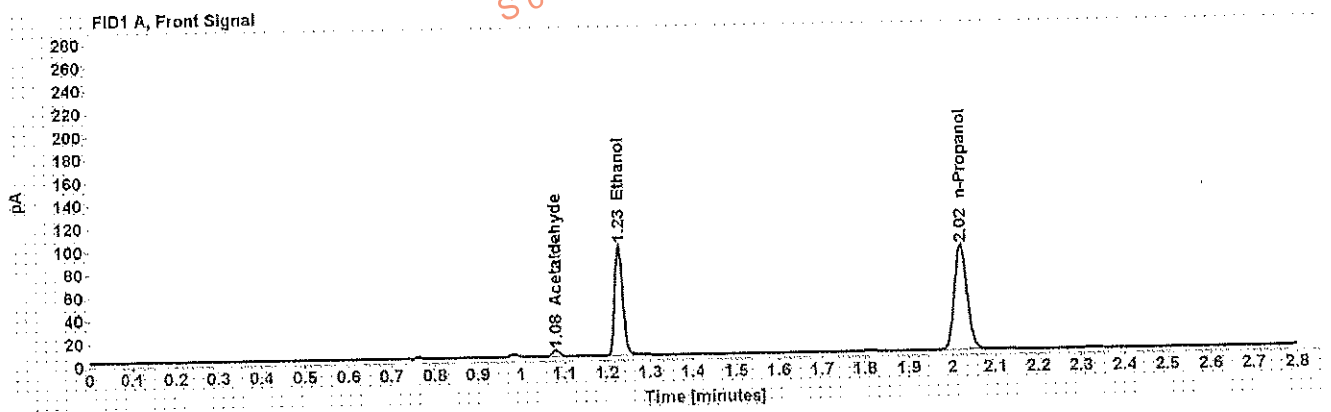


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.460
>Ethanol	0.1894	1.228	123.962
n-Propanol	-----	2.021	186.480

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.589
Ethanol	1.344	149.951
n-Propanol	2.375	223.198

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1172124
Injection date: 10/3/2017 11:45:16 AM	Vial: 22
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Instrument: US14473023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\30Oct17\22.D	

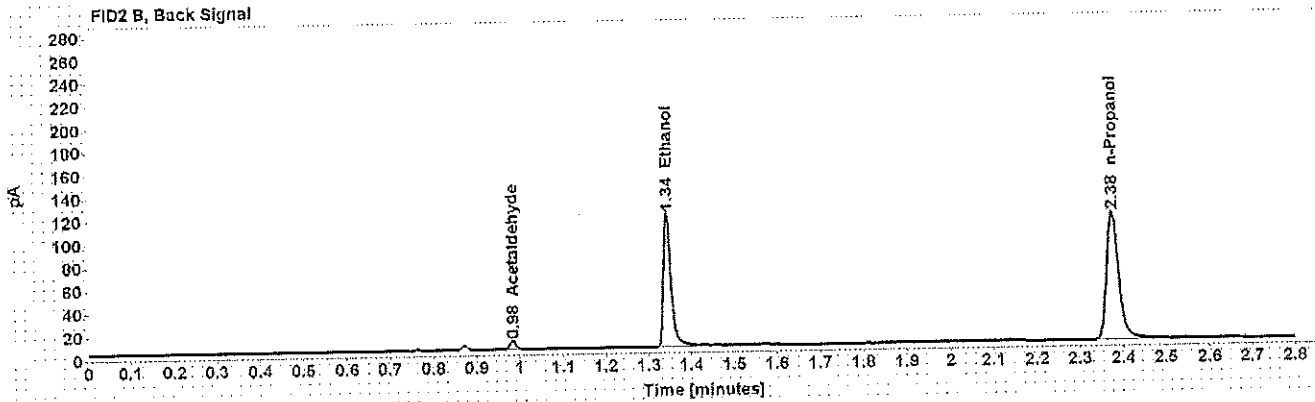
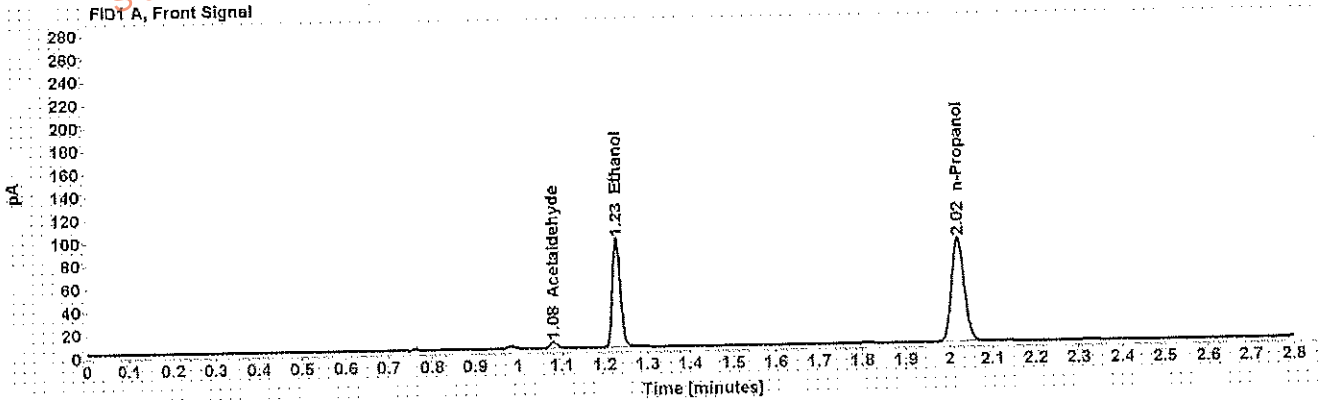


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.438
>Ethanol	0.1890	1.228	122.492
n-Propanol	-----	2.021	184.610

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.584
Ethanol	1.344	147.797
n-Propanol	2.375	220.019

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1172640
Injection date: 10/3/2017 11:49:16 AM	Vial: 23
Method: ethanol quant M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\30Oct17\23.D	

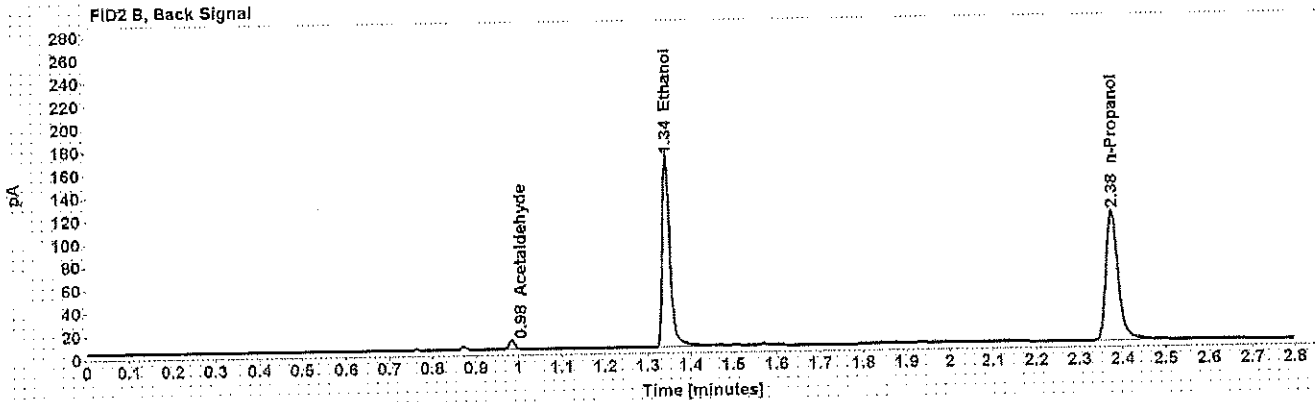
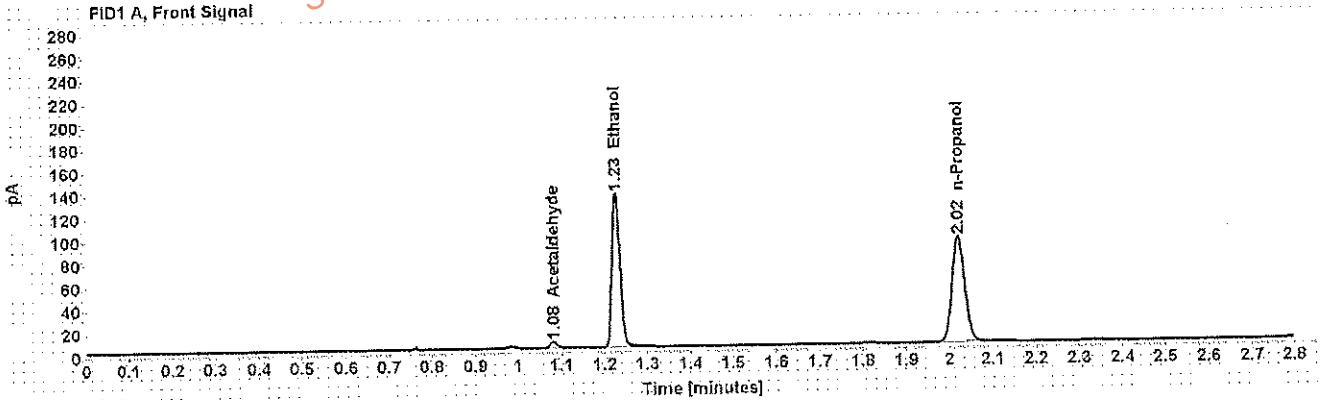


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.664
>Ethanol	0.2628	1.228	172.928
n-Propanol	-----	2.021	187.288

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.823
Ethanol	1.344	208.502
n-Propanol	2.376	223.462

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1172640
Injection date: 10/3/2017 11:53:16 AM	Vial: 24
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Oct17\24.D	

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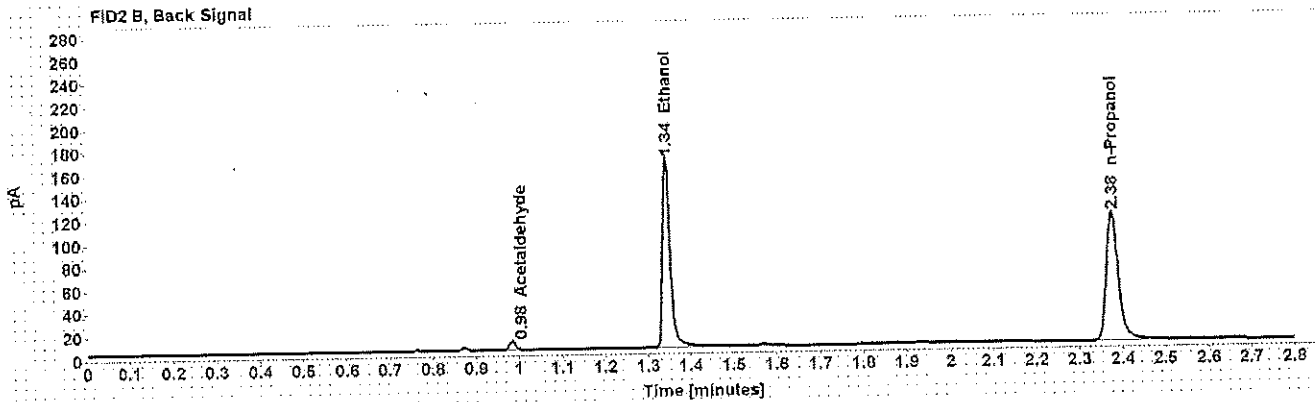
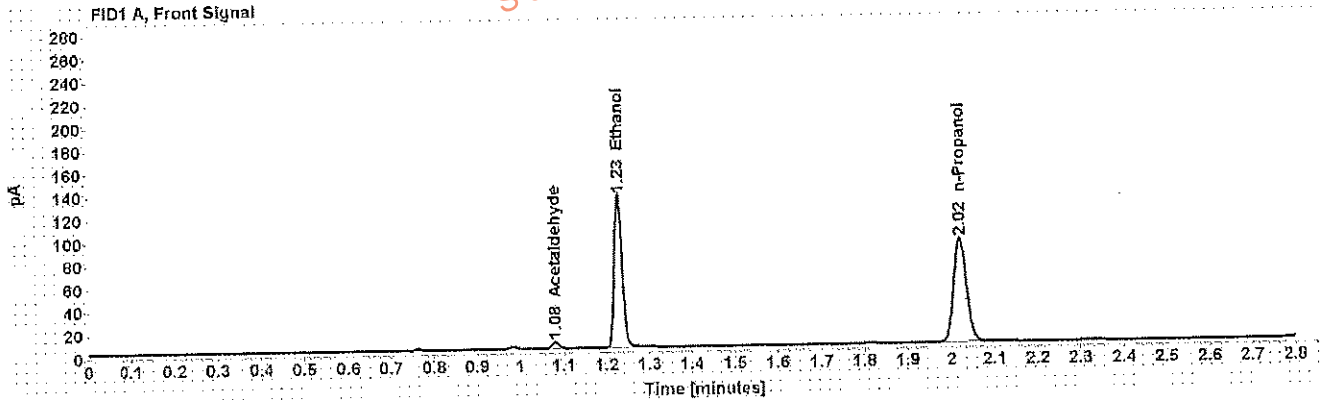


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	5.795
>Ethanol	0.2637	1.228	171.880
n-Propanol	-----	2.021	185.474

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.028
Ethanol	1.344	207.013
n-Propanol	2.376	221.557

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1172979
Injection date: 10/3/2017 11:57:31 AM	Vial: 25
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14473023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\3Oct17\25.D	

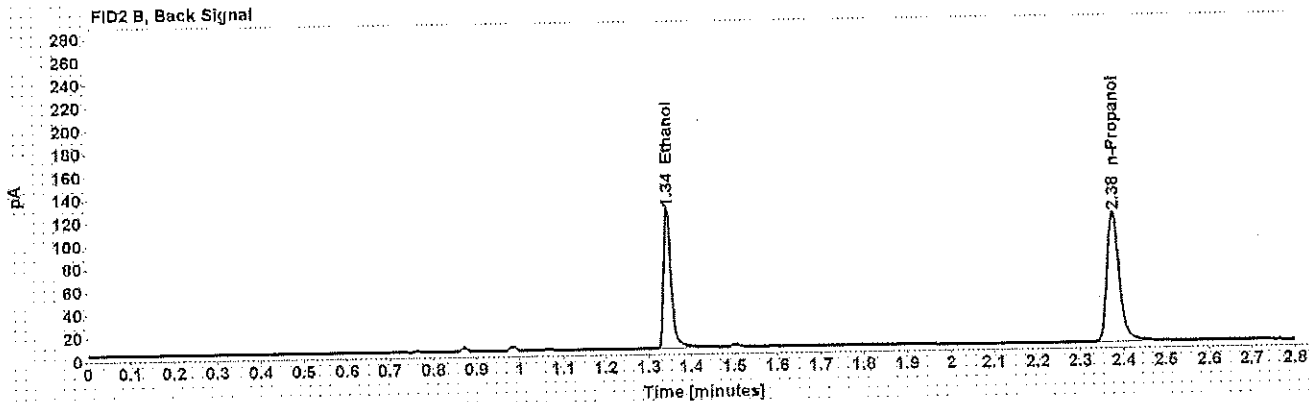
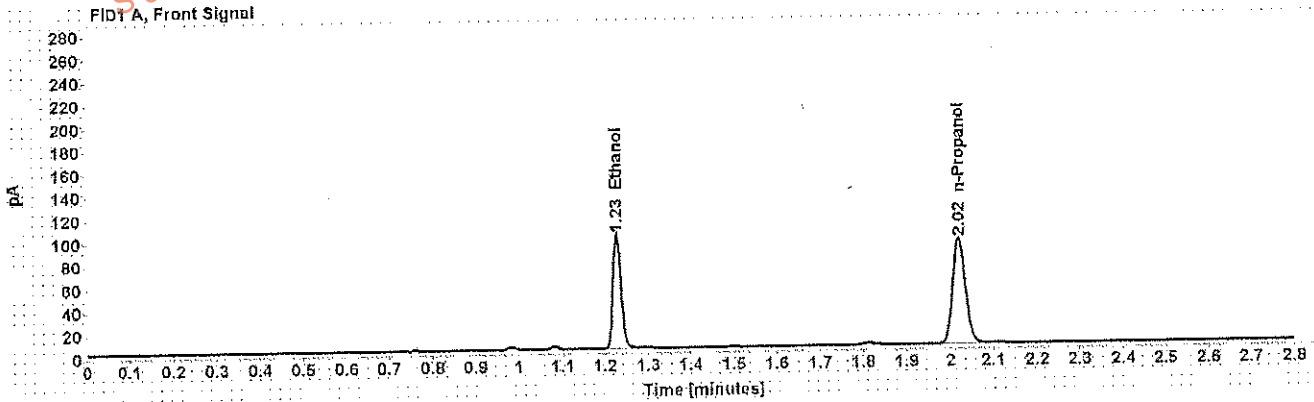


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1950	1.228	128.506
n-Propanol	-----	2.021	187.689

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

Compound	Time (min)	Peak Area
Ethanol	1.344	152.255
n-Propanol	2.378	224.150

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1172979
Injection date: 10/3/2017 12:01:31 PM Vial: 26
Method: ethanol quant M Sequence: 30Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem321\1Data\30Oct17\26.D

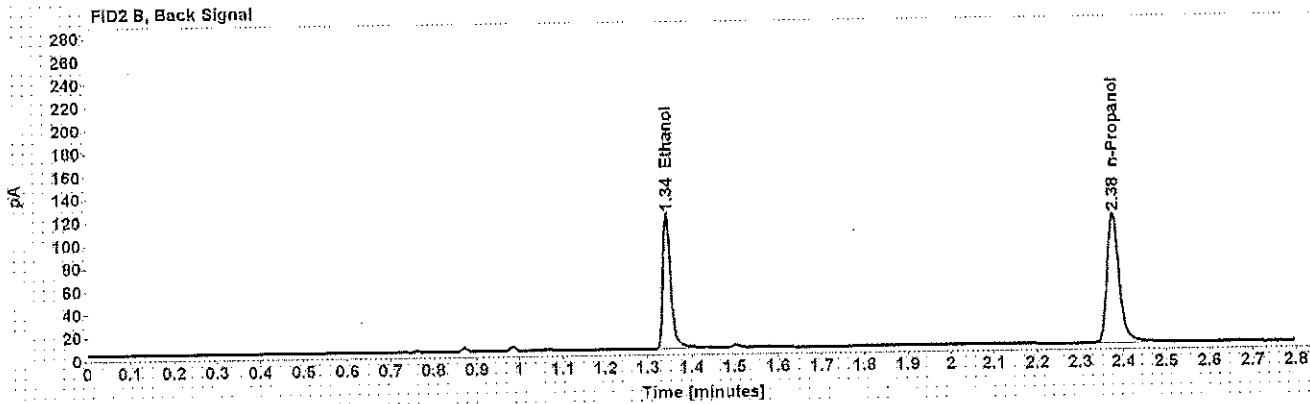
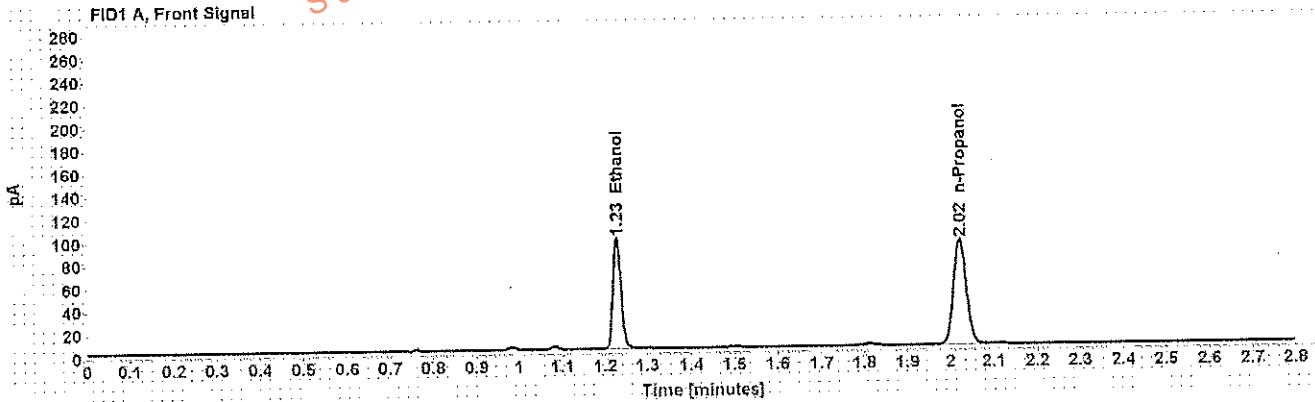


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1898	1.228	124.761
n-Propanol	-----	2.021	187.296

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

Compound	Time (min)	Peak Area
Ethanol	1.344	147.606
n-Propanol	2.376	223.262

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1176201
Injection date: 10/3/2017 12:05:31 PM	Vial: 27
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Oct17\127.D	

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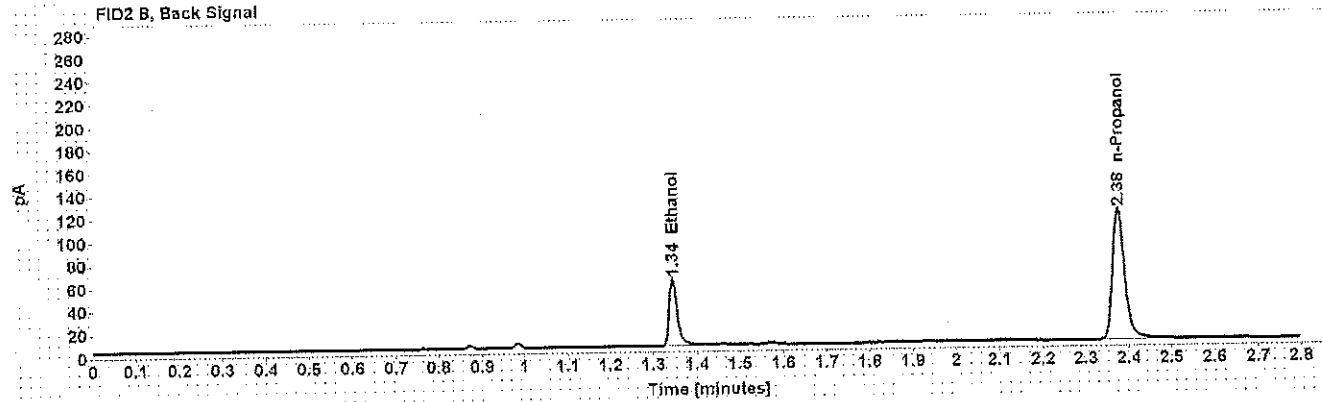
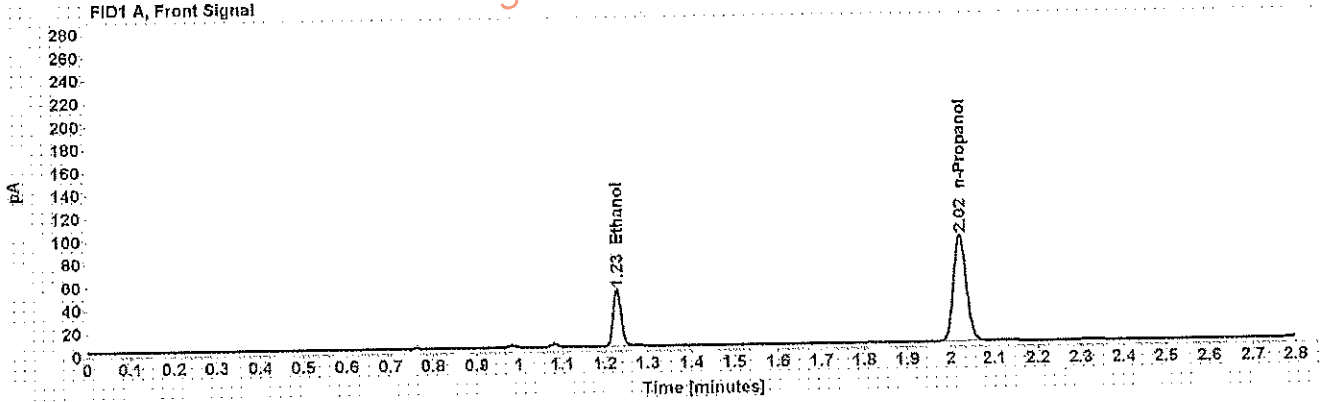


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0958	1.229	63.354
n-Propanol	-----	2.021	189.141

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

Compound	Time (min)	Peak Area
Ethanol	1.345	75.955
n-Propanol	2.376	225.693

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1176201
Injection date: 10/3/2017 12:09:31 PM Vial: 28
Method: ethanol quant.M Sequence: 30Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem32\11\Data\30Oct17\28.D

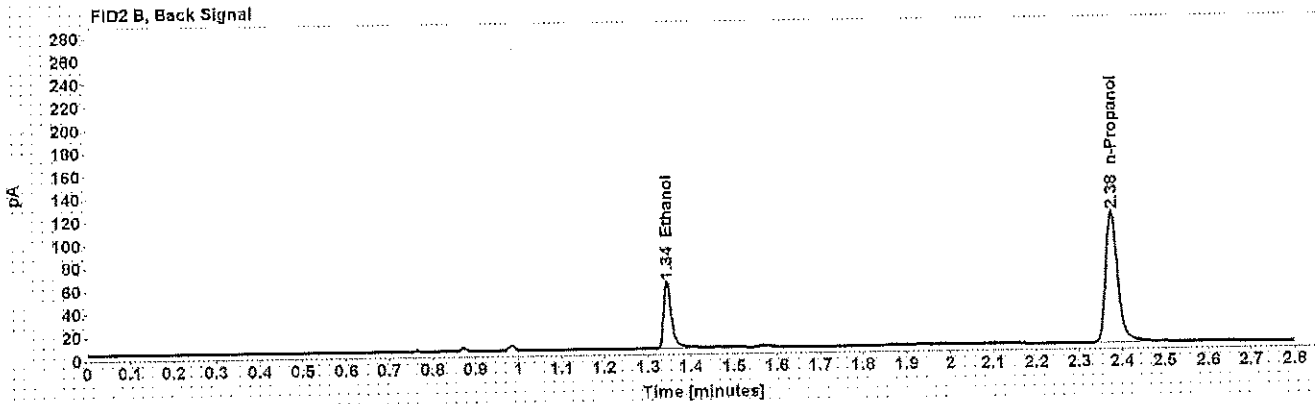
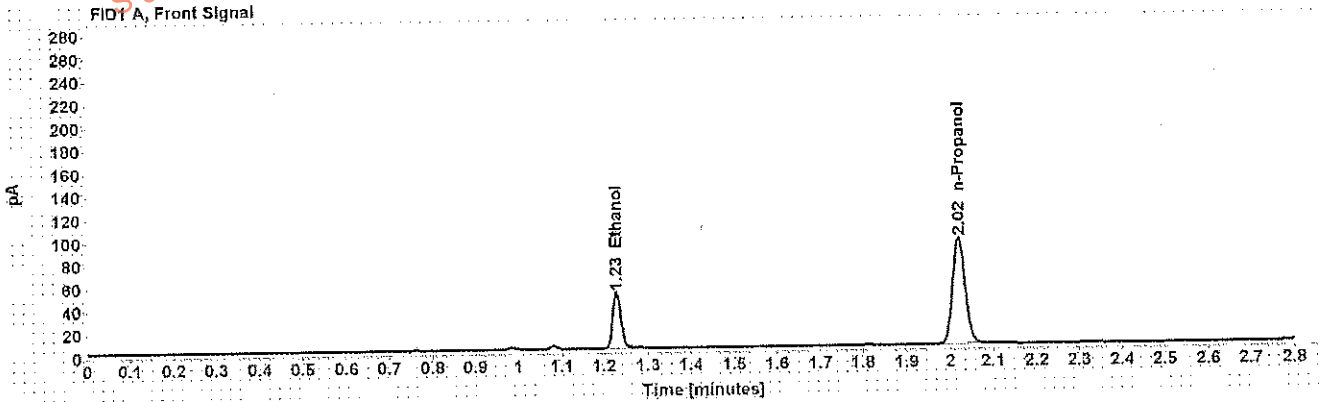


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0953	1.229	63.132
n-Propanol	-----	2.021	189.373

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

Compound	Time (min)	Peak Area
Ethanol	1.345	75.510
n-Propanol	2.376	225.895

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1176891
Injection date: 10/3/2017 12:13:31 PM Vial: 29
Method: ethanol quant.M Sequence: 3Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem3211\Data\3Oct17\29.D

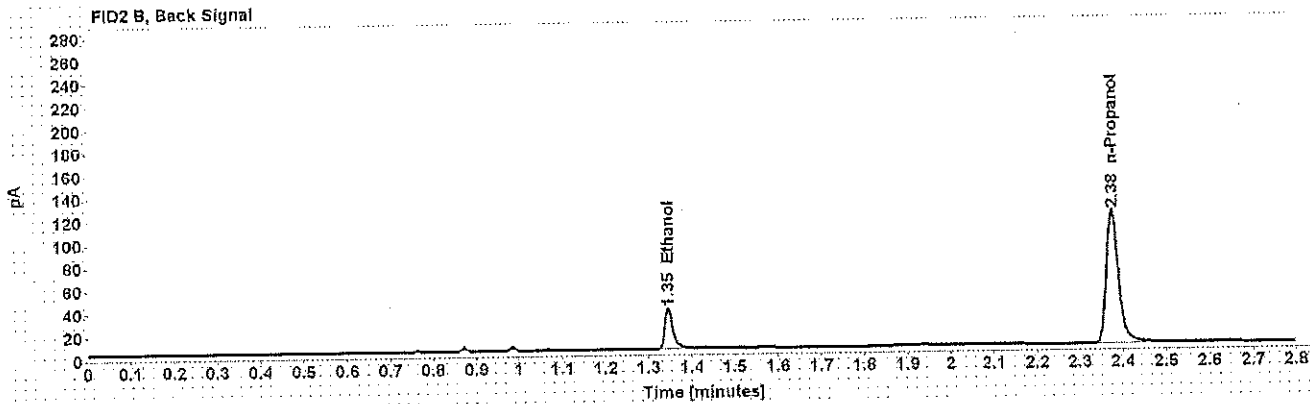
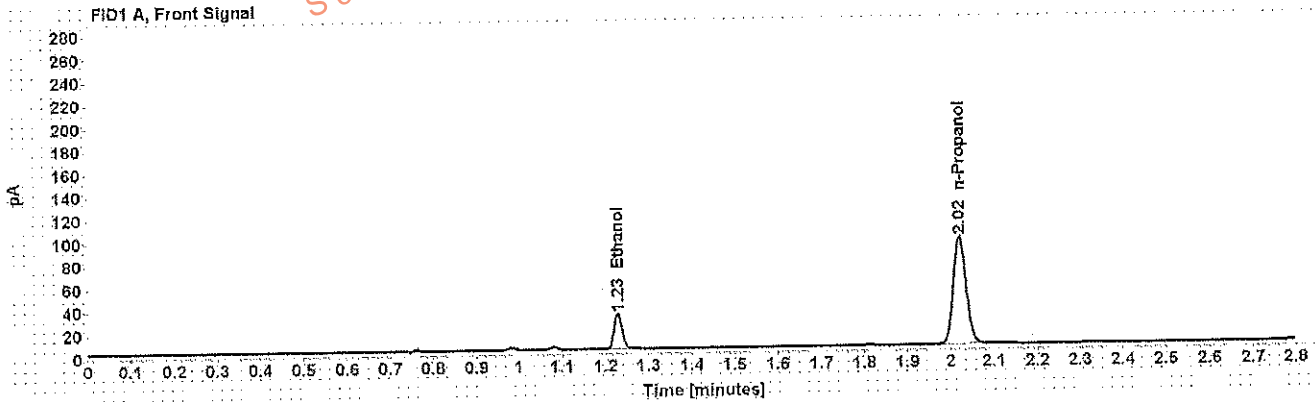


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0591	1.229	39.333
n-Propanol	-----	2.021	191.077

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

Compound	Time (min)	Peak Area
Ethanol	1.345	45.166
n-Propanol	2.376	227.580

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1176891
Injection date: 10/3/2017 12:17:32 PM	Vial: 30
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\1\Data\3Oct17\30.D	

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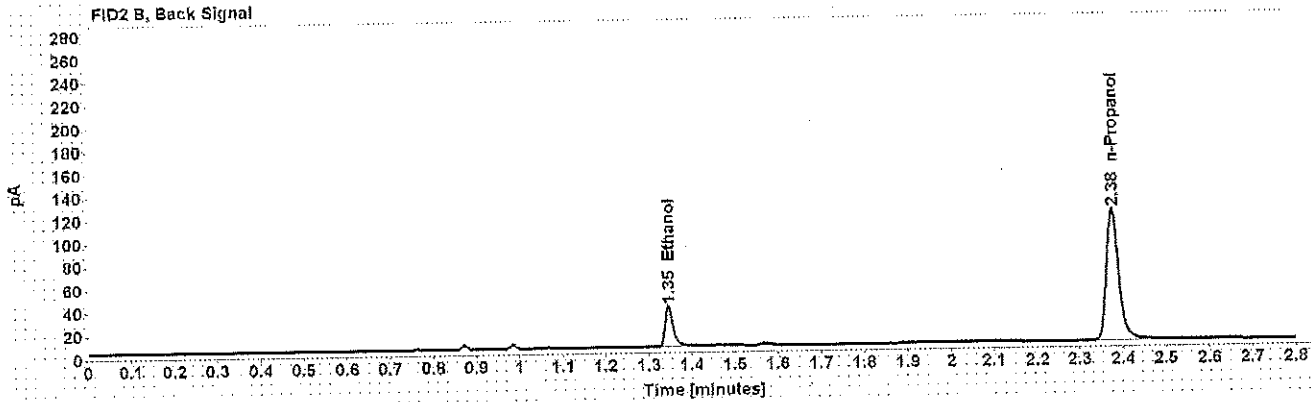
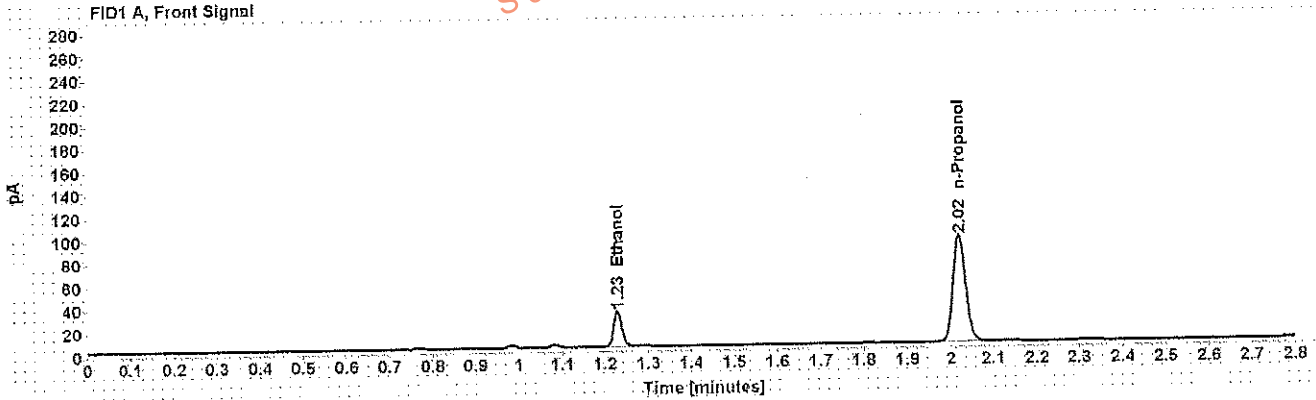


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0599	1.229	39.493
n-Propanol	-----	2.021	189.337

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

Compound	Time (min)	Peak Area
Ethanol	1.346	45.321
n-Propanol	2.376	225.060

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 285-01A
Injection date: 10/3/2017 12:25:46 PM Vial: 32
Method: ethanol quant.M Sequence: 3Oct17
Instrument: US14173023 ON14160045 Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\32.D

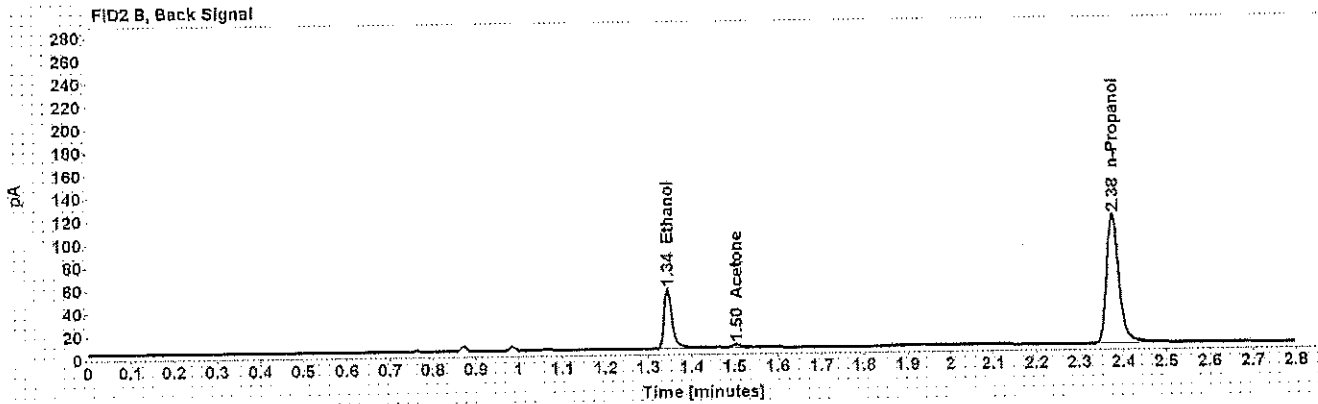
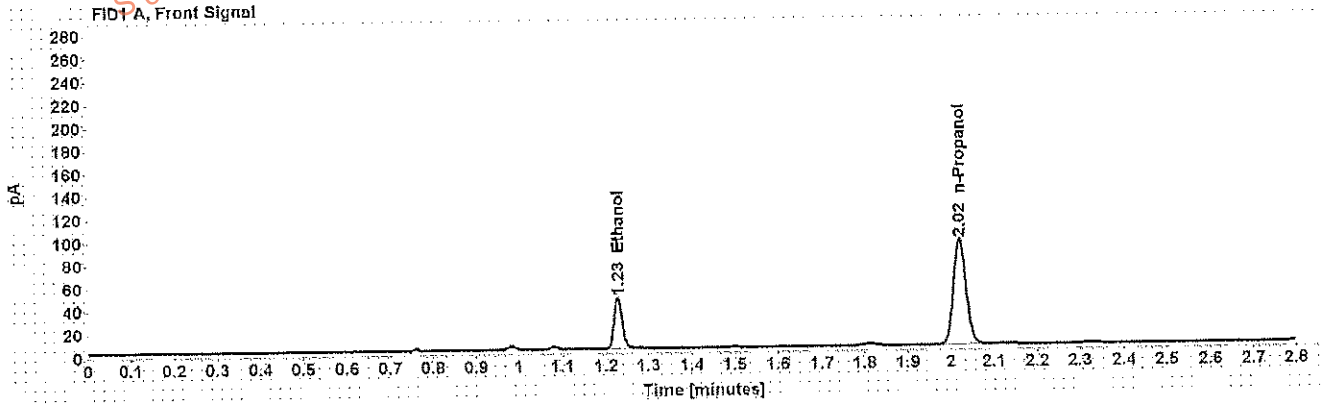


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0879	1.229	57.446
n-Propanol	-----	2.021	186.958

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

Compound	Time (min)	Peak Area
Ethanol	1.345	68.427
Acetone	1.504	4.093
n-Propanol	2.376	222.546

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 285-01A
Injection date: 10/3/2017 12:29:46 PM Vial: 33
Method: ethanol quant M Sequence: 3Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem321\1Data\3Oct17\133.D

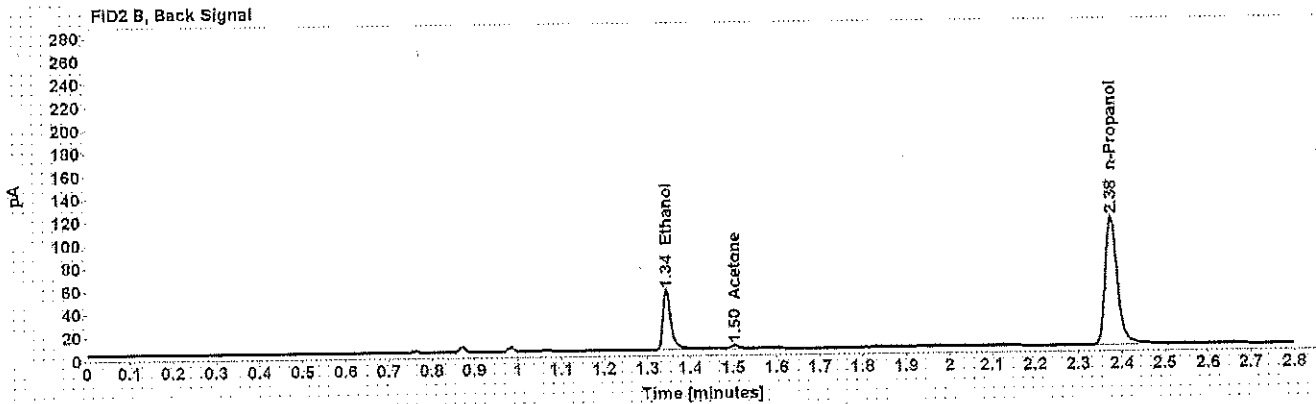
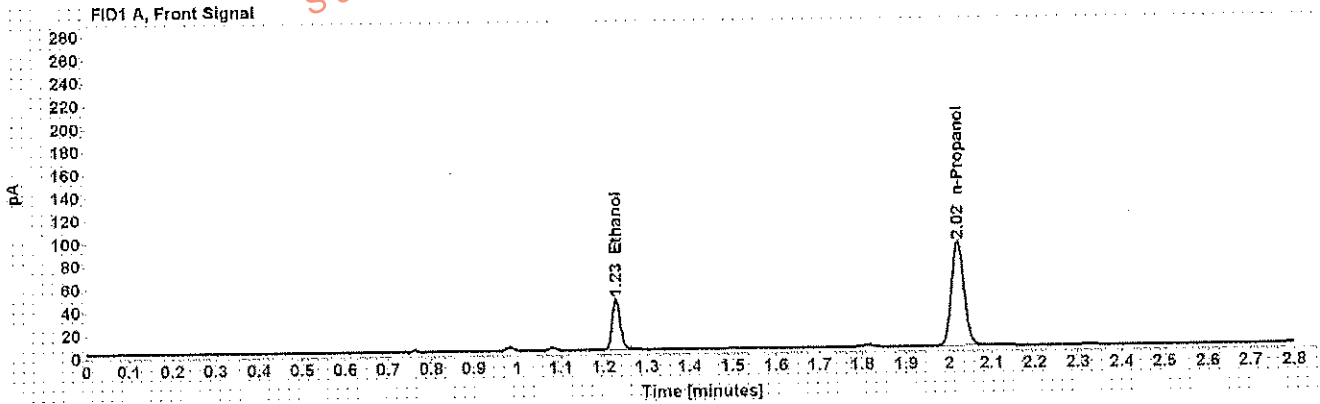


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0882	1.228	57.150
n-Propanol	-----	2.021	185.497

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

Compound	Time (min)	Peak Area
Ethanol	1.345	68.085
Acetone	1.503	4.070
n-Propanol	2.375	220.621

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1177701
Injection date: 10/3/2017 12:33:46 PM	Vial: 34
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\30Oct17\34.D	

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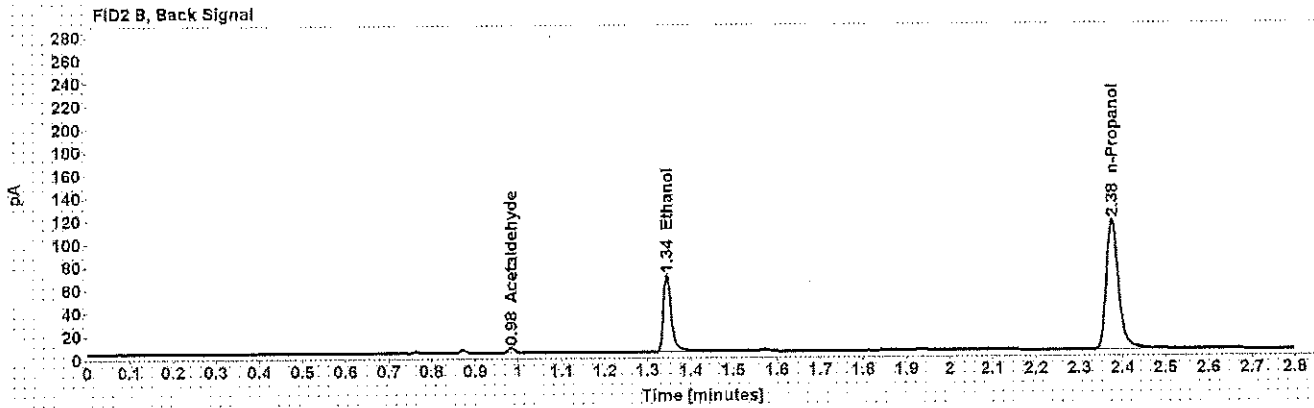
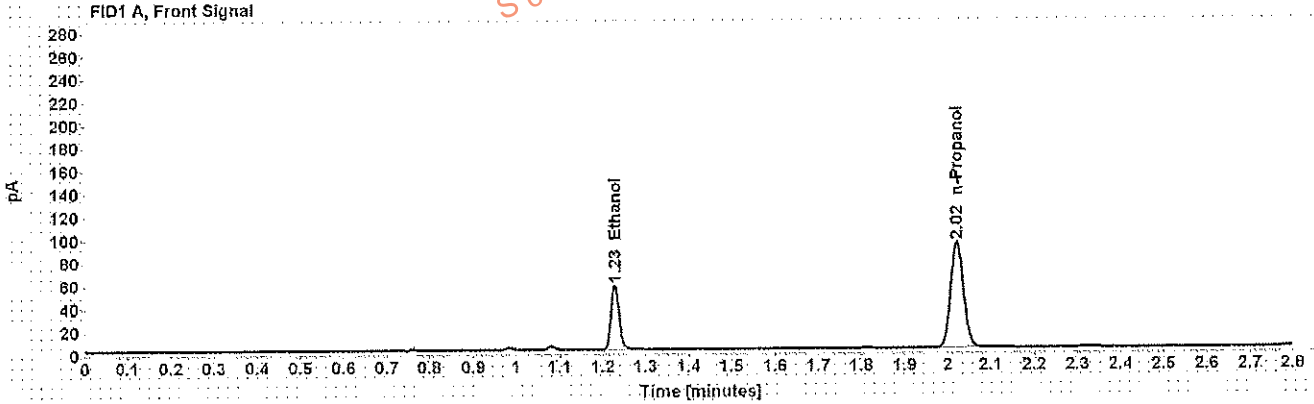


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1103	1.229	72.488
n-Propanol	-----	2.021	187.683

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.886
Ethanol	1.345	86.084
n-Propanol	2.376	223.302

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1177701
Injection date: 10/3/2017 12:37:46 PM	Vial: 35
Method: ethanol quant.M	Sequence: 30Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\30Oct17\35.D	

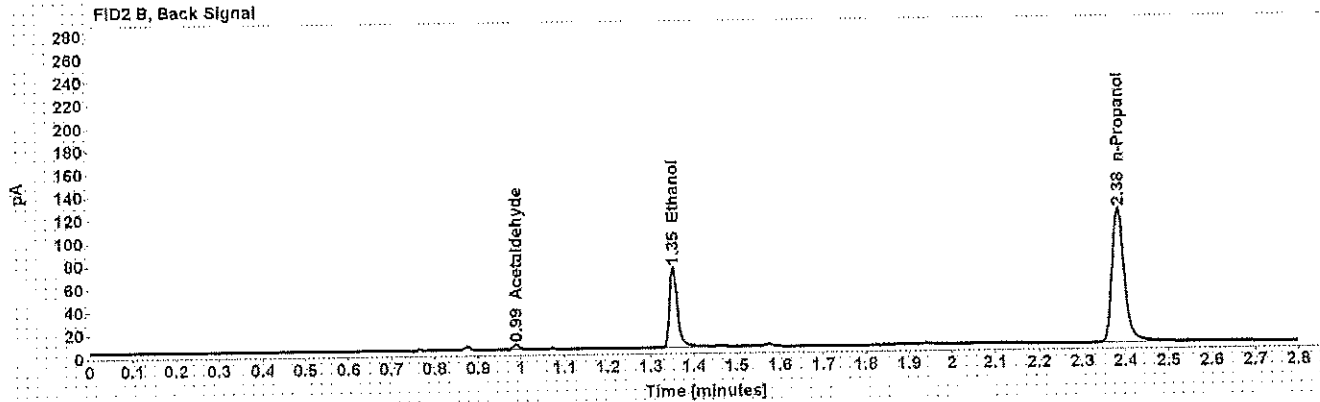
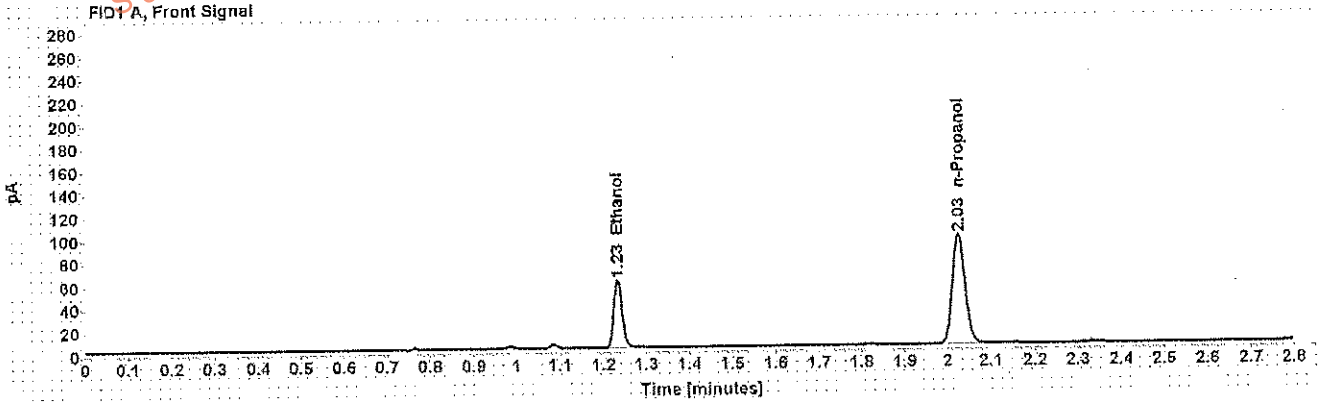


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1121	1.234	76.869
n-Propanol	-----	2.026	195.900

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.988	3.962
Ethanol	1.353	90.939
n-Propanol	2.383	231.250

Case: [REDACTED] User: wadrian 10/3/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1177737
Injection date: 10/3/2017 12:41:46 PM Vial: 36
Method: ethanol quant M Sequence: 30Oct17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem321\1Data\30Oct17\36.D

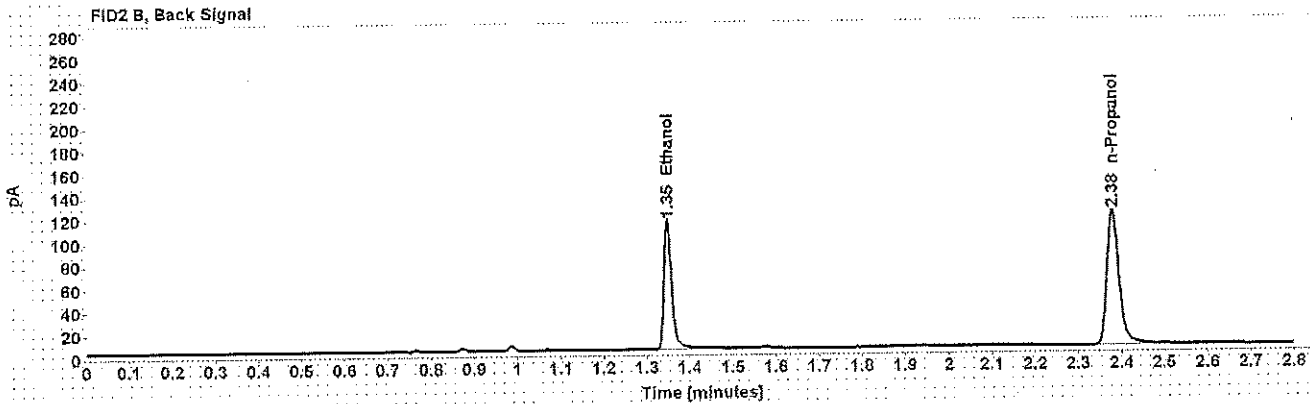
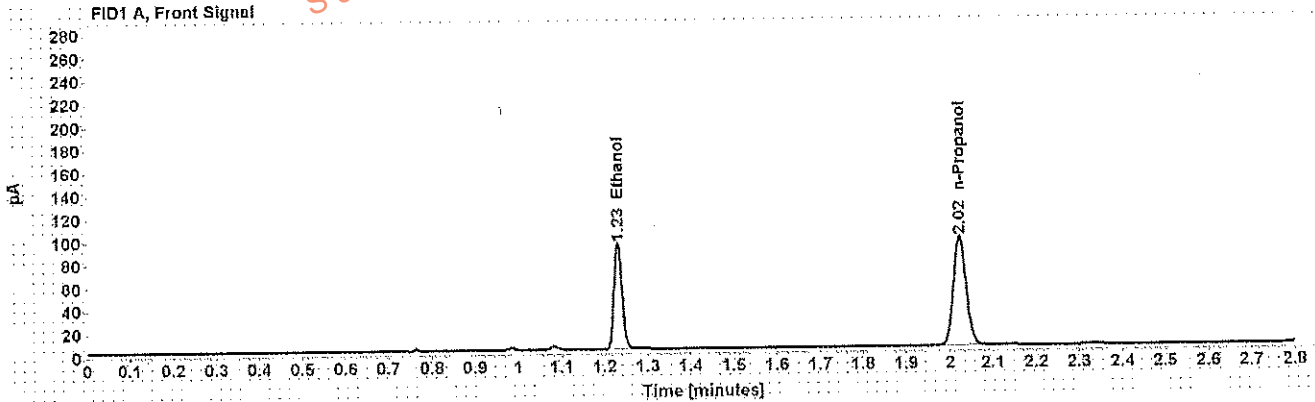


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1761	1.231	119.793
n-Propanol	-----	2.024	193.895

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

Compound	Time (min)	Peak Area
Ethanol	1.349	142.236
n-Propanol	2.380	231.033

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1177737
Injection date: 10/3/2017 12:46:01 PM	Vial: 37
Method: ethanol quant.M	Sequence: 3Oct17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\3Oct17\137.D	

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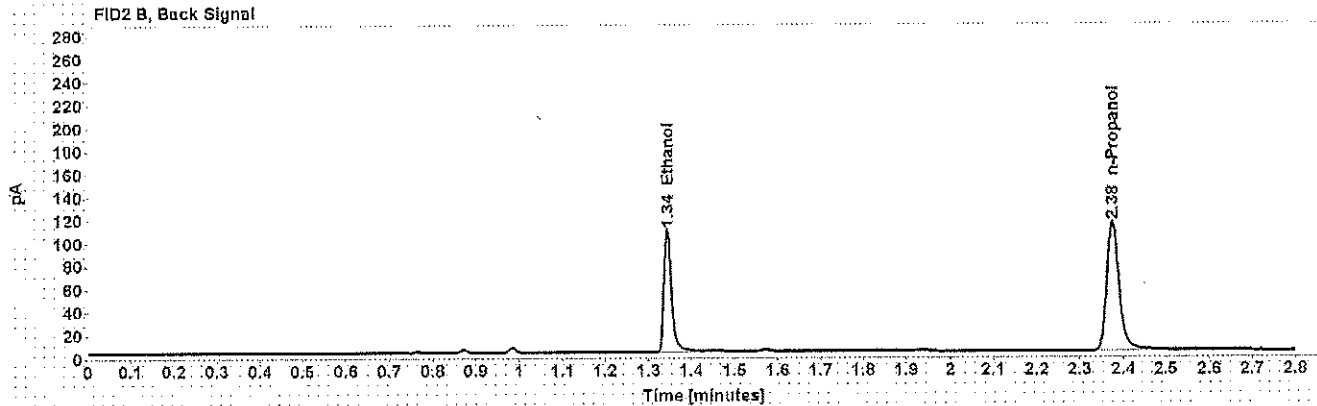
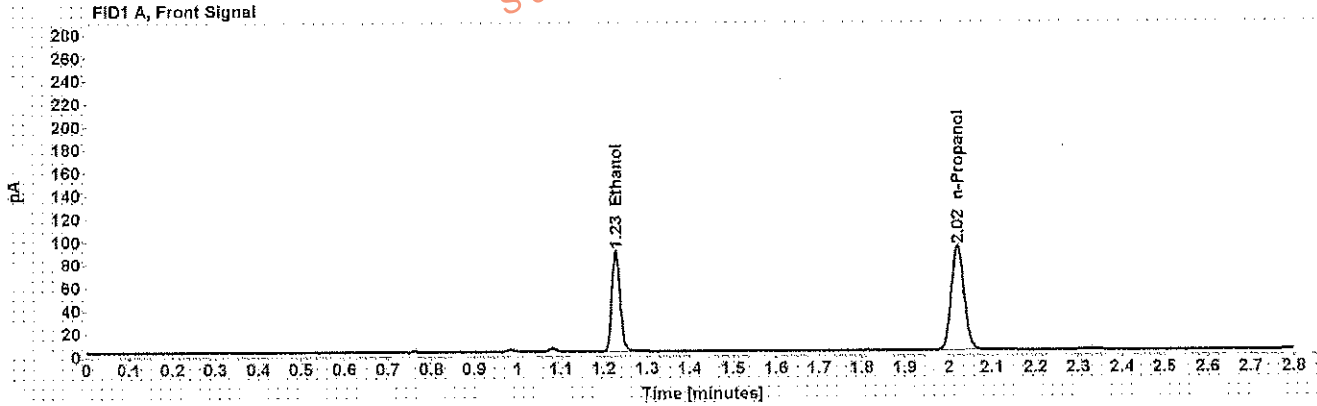


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1731	1.228	113.133
n-Propanol	-----	2.021	186.255

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

Compound	Time (min)	Peak Area
Ethanol	1.344	134.434
n-Propanol	2.375	221.908