

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 2/16/2017 SEQUENCE NAME 16Feb17

EQUIPMENT

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

INSTRUMENT CALIBRATION

Vial 1	0.02 calibrator	Lot	<u>FN03241604</u>	Coefficient of determination (r ²) <u>0.99999</u>
Vial 2	0.10 calibrator	Lot	<u>FN06181501</u>	
Vial 3	0.20 calibrator	Lot	<u>FN07201502</u>	
Vial 4	0.40 calibrator	Lot	<u>FN11191402</u>	

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 012517
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.401 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	0.152 g/dL	Lipomed 09022015-C
42	Blood control	0.200 g/dL	0.200 g/dL	ACQ 407041529/3
45	Aqueous control	0.400 g/dL	0.408 g/dL	Lipomed 08012015-C
46	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
47	Blood control	0.200 g/dL	0.202 g/dL	ACQ 407041529/3
48	Blank	Not detected	Not detected	SPD lab 012517

SUBJECT SAMPLES

Subjects in the sequence 16 Subjects requiring reanalysis 0

ADDITIONAL NOTES: Last name manually corrected on chromatograms 29, 30.

Run valid Run invalid WA B1570 2/23/17 Analyst
 Run valid Run invalid KOSECKI 2/23/17 Technical Reviewer

WA

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

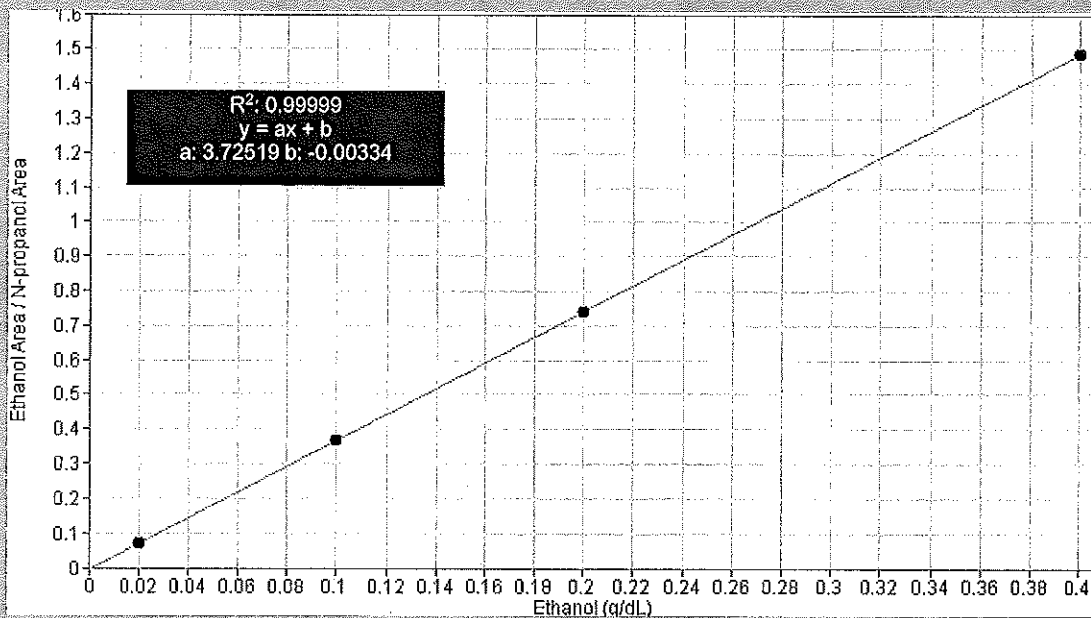
SEQUENCE NAME: 16Feb17

ANALYST: Adrian

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 012517	5	negative	negative	-	-
0.400 Lipomed 08012015-C	7	0.401	0.400	0.25	0.001
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	0.152	0.150	1.33	0.002
0.20 ACQ 407041529/3	42	0.200	0.200	0.00	0.000
0.40 Lipomed 08012015-C	45	0.408	0.400	2.00	0.008
0.04 Lipomed 09022015-A	46	0.040	0.040	0.00	0.000
0.20 ACQ 407041529/3	47	0.202	0.200	1.00	0.002
blank 012517	48	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	10.504	144.672	0.073
0.100	52.836	143.103	0.369
0.200	108.065	146.249	0.739
0.400	216.803	145.696	1.488

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

w/A

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Scottsdale City Prosecutor

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 2/16/2017 11:40:32 AM	Vial: 1
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\1.D	

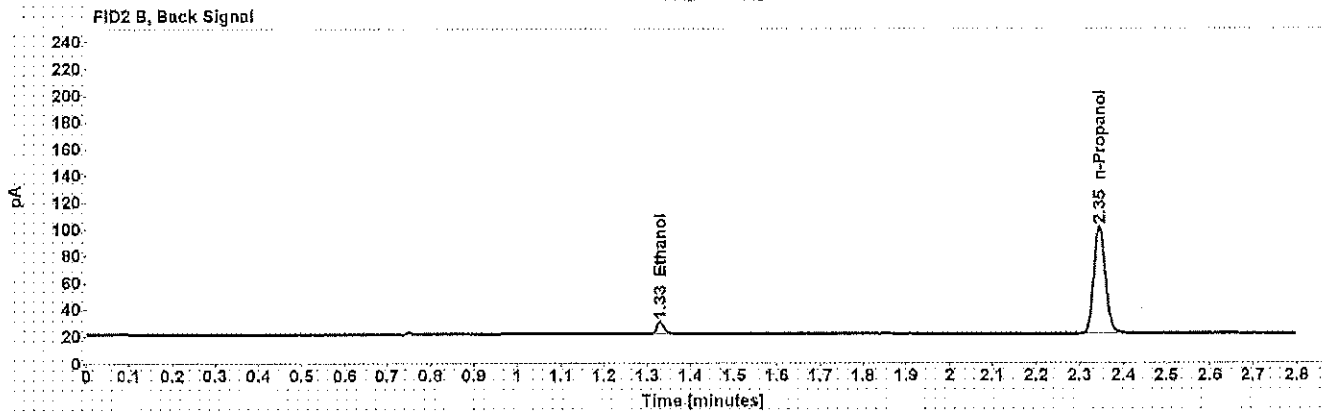
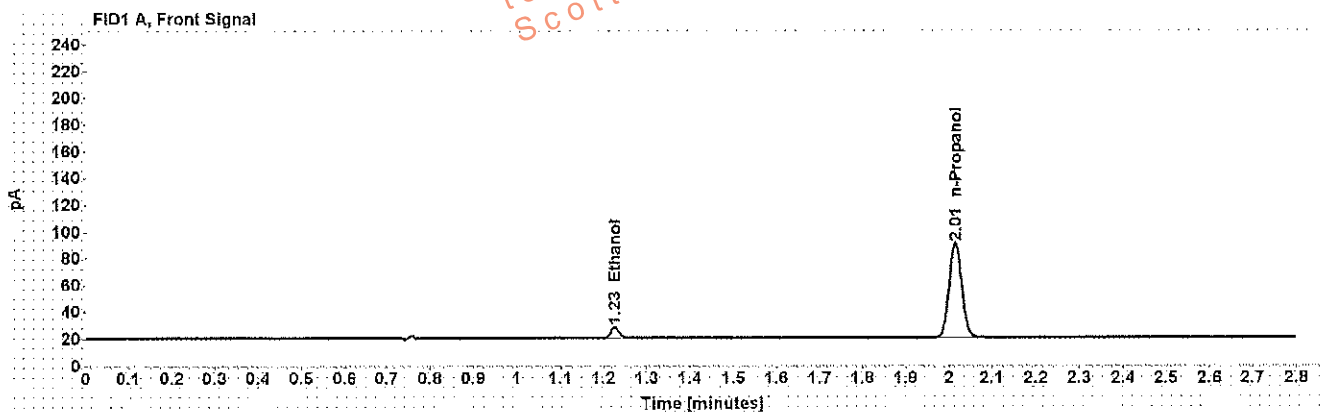


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	10.504
n-Propanol	2.015	144.672

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

Compound	Time (min)	Peak Area
Ethanol	1.330	10.544
n-Propanol	2.345	148.413

WAA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 Cerilliant FN06181501
 Injection date: 2/16/2017 11:44:33 AM
 Method: ethanol quant.M
 Instrument: US14173023 CN14160045
 Data file: C:\Chem321\Data\16Feb17\2.D

Item number:
 Vial: 2
 Sequence: 16Feb17
 Analyst: Adrian

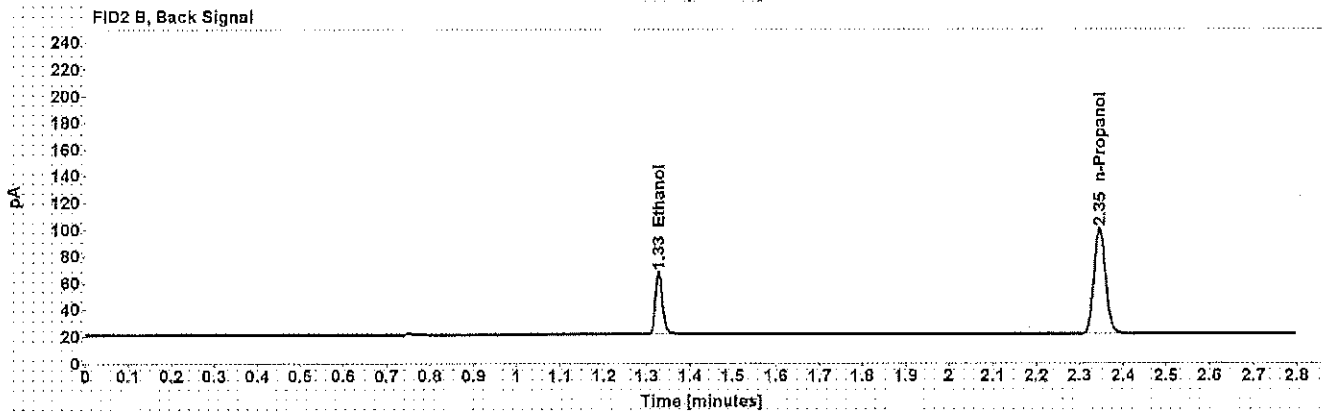
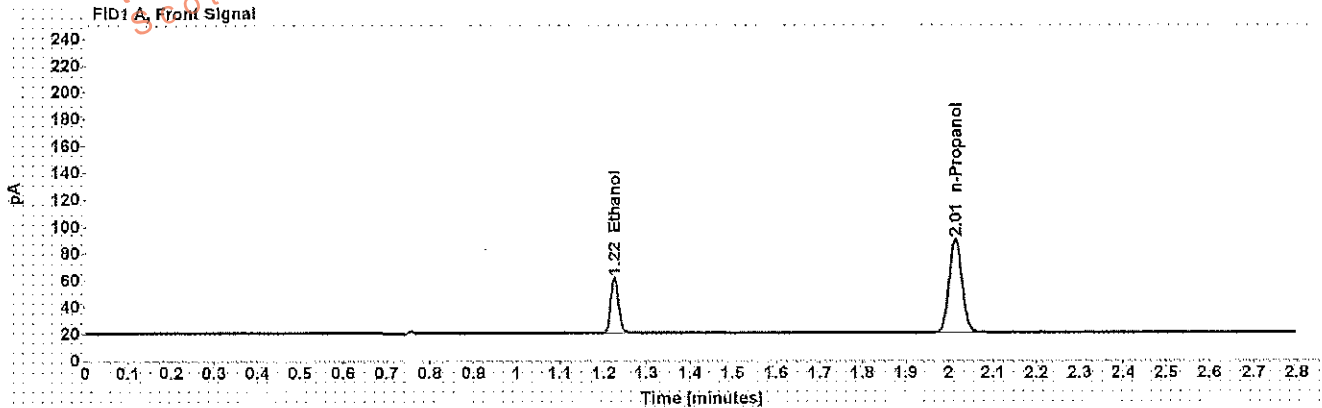


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	52.836
n-Propanol	2.015	143.103

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

Compound	Time (min)	Peak Area
Ethanol	1.328	54.393
n-Propanol	2.345	146.879

WA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.200 Cerilliant FN07201502 Item number:
Injection date: 2/16/2017 11:48:34 AM Vial: 3
Method: ethanol quant.M Sequence: 16Feb17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\3.D

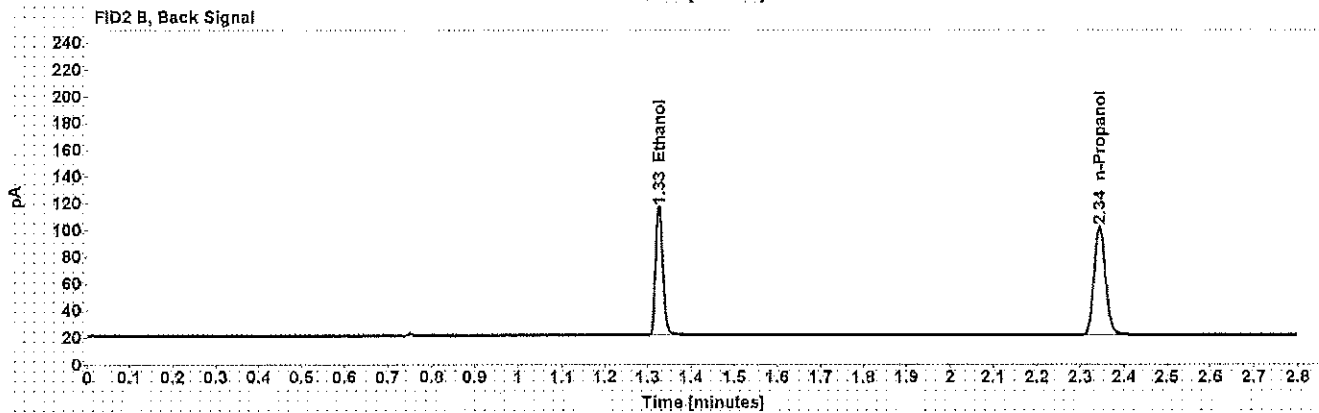
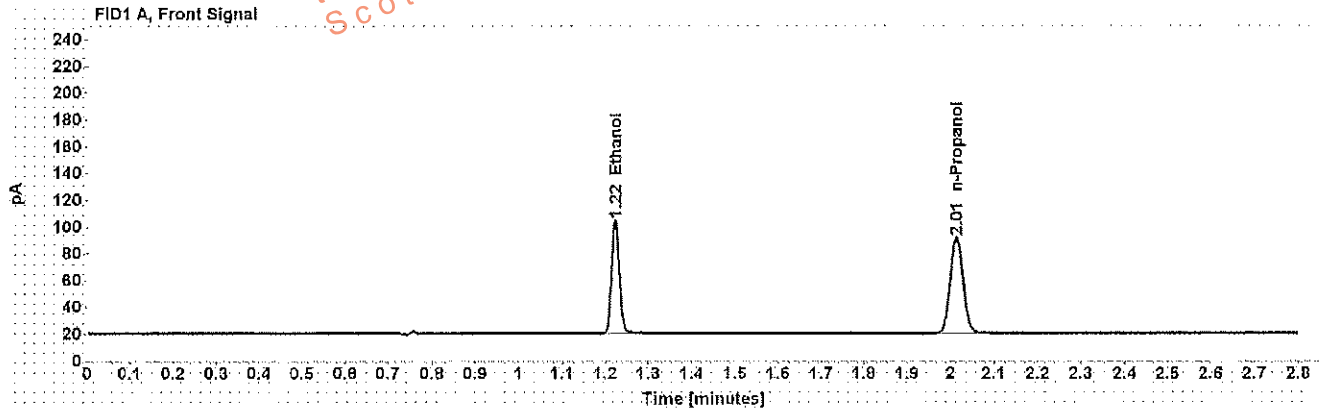


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	108.065
n-Propanol	2.014	146.249

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

Compound	Time (min)	Peak Area
Ethanol	1.326	111.263
n-Propanol	2.344	150.307

Scottsdale Police Department Crime Lab Volatiles Analysis

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WA
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Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 2/16/2017 11:52:34 AM	Vial: 4
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\4.D	

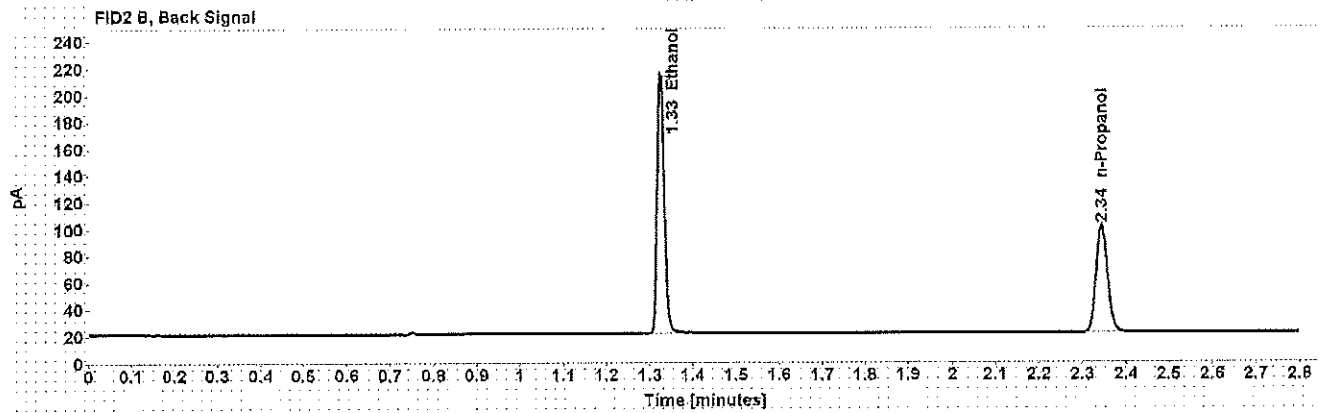
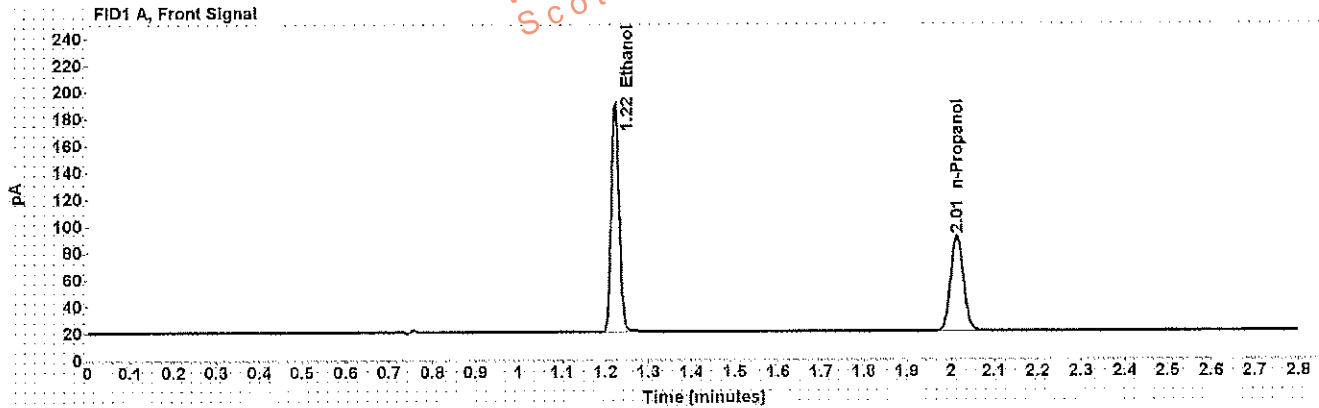


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	216.803
n-Propanol	2.014	145.696

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

Compound	Time (min)	Peak Area
Ethanol	1.326	224.080
n-Propanol	2.344	149.730

WJA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 012517 **Item number:**
Injection date: 2/16/2017 11:56:33 AM **Vial:** 5
Method: ethanol quant.M **Sequence:** 16Feb17
Instrument: US14173023 CN14160045 **Analyst:** Adrian
Data file: C:\Chem321\Data\16Feb17\5.D

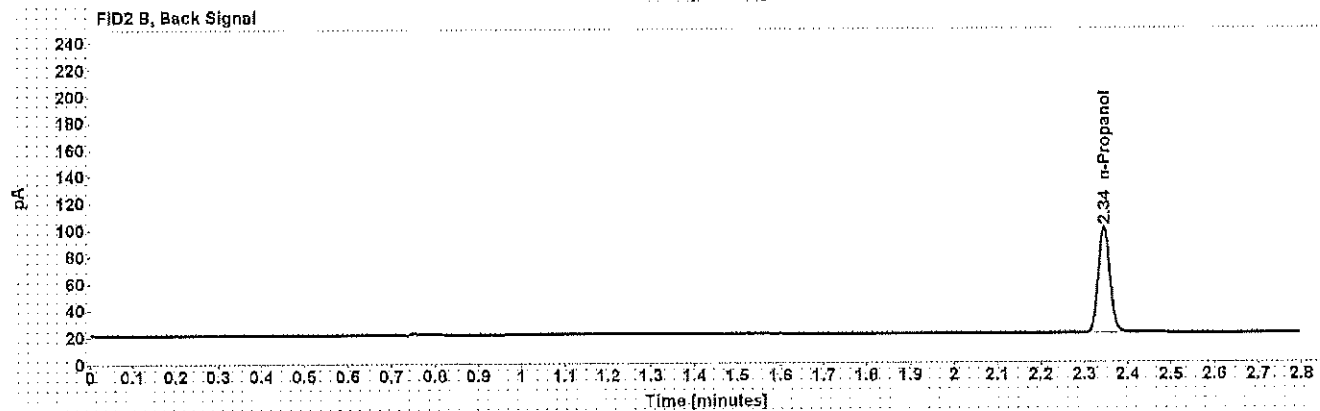
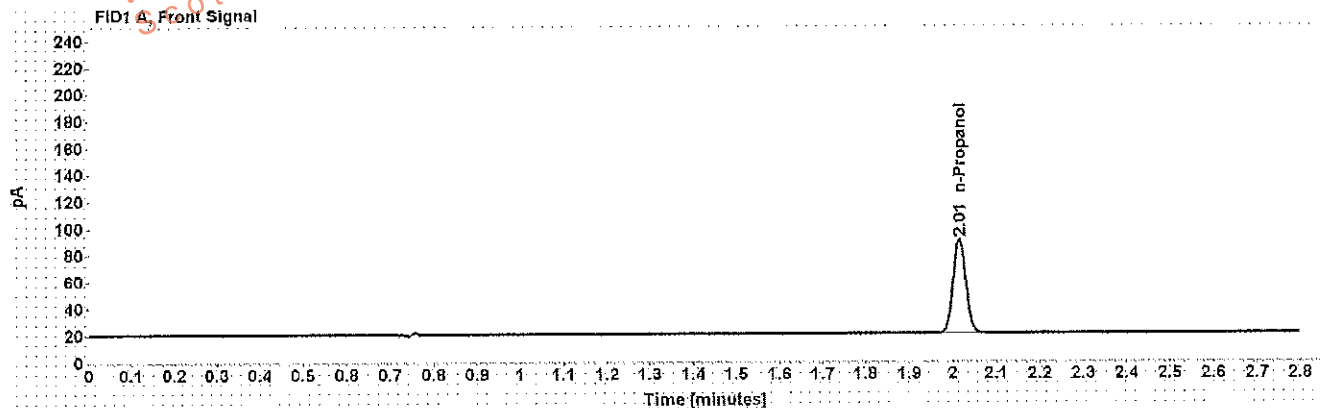


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	143.056

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	146.984

WA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 020917 WLA	Item number:
Injection date: 2/16/2017 12:00:33 PM	Vial: 6
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211 Data\16Feb17\6.D	

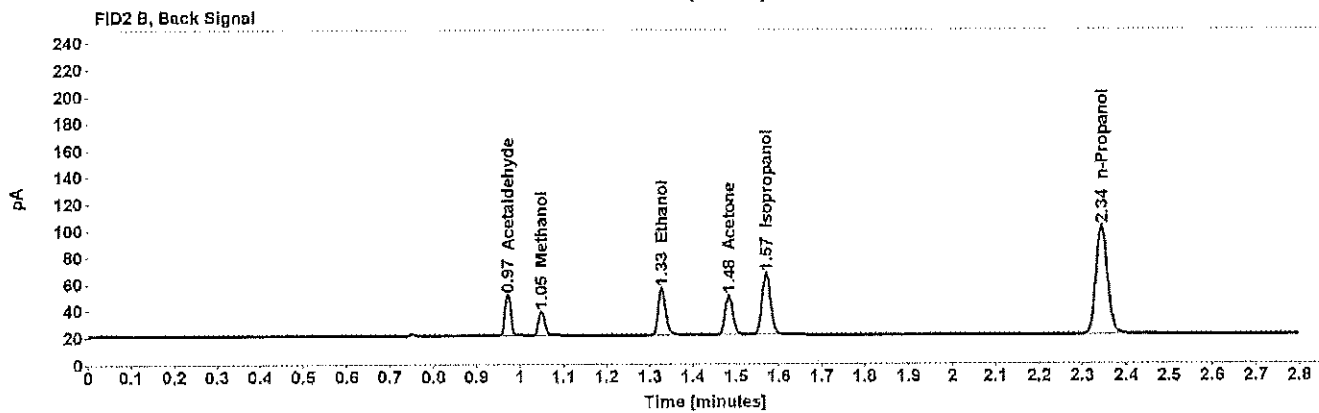
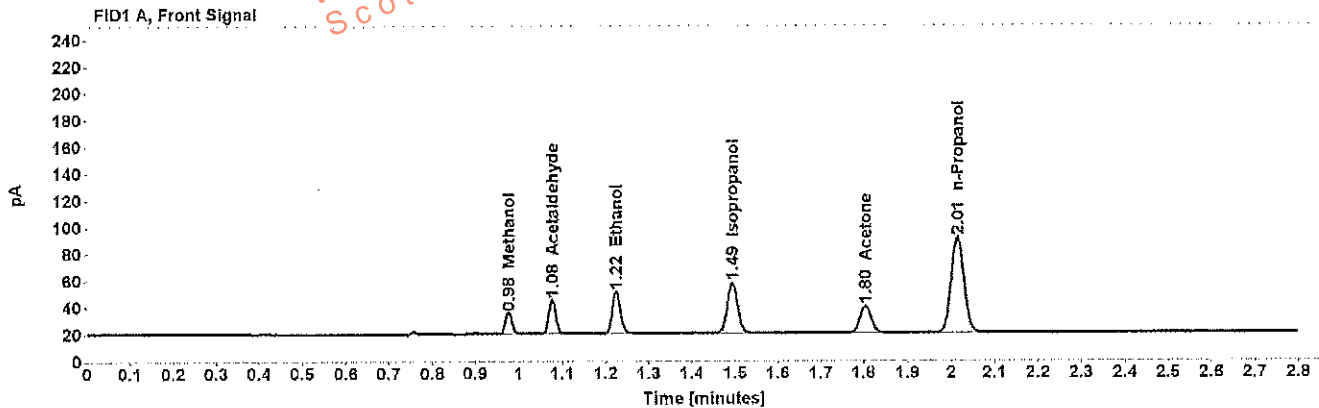


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.976	17.684
Acetaldehyde	-----	1.077	28.280
>Ethanol	0.0745	1.224	39.978
Isopropanol	-----	1.493	62.123
Acetone	-----	1.804	36.201
n-Propanol	-----	2.014	145.897

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	29.707
Methanol	1.050	18.077
Ethanol	1.327	40.982
Acetone	1.483	36.930
Isopropanol	1.570	64.265
n-Propanol	2.345	149.781

Scottsdale Police Department Crime Lab Volatiles Analysis

WJA

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 2/16/2017 12:04:47 PM	Vial: 7
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\7.D	

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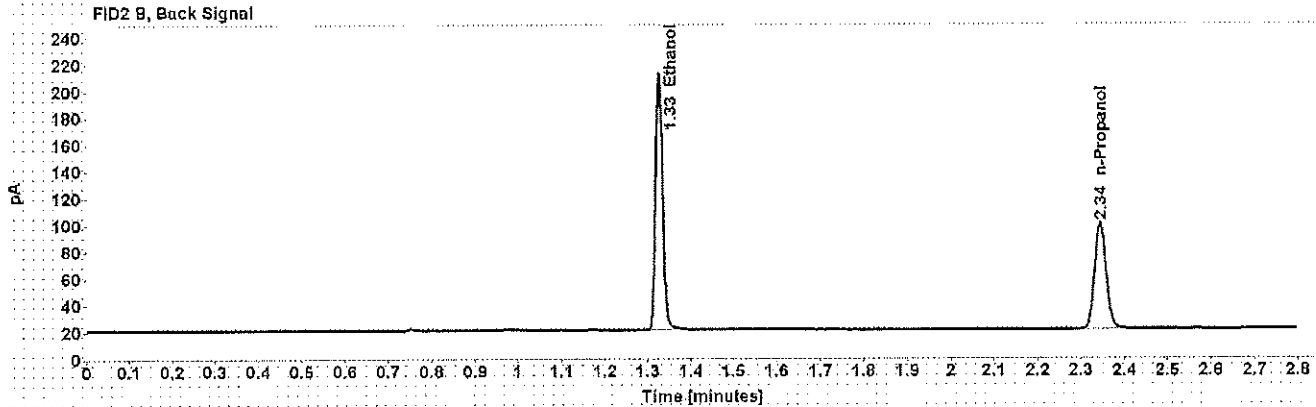
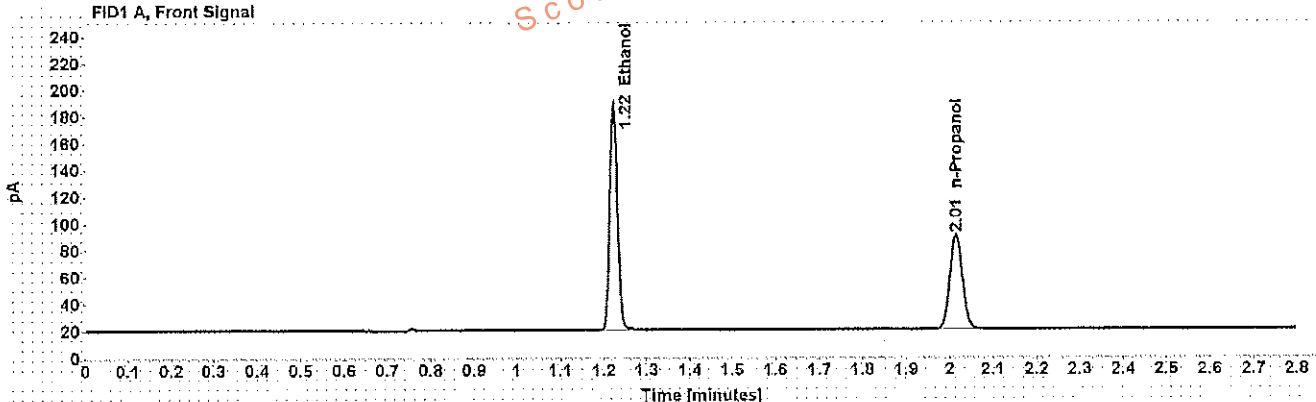


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4014	1.223	214.507
n-Propanol	-----	2.014	143.767

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

Compound	Time (min)	Peak Area
Ethanol	1.326	222.000
n-Propanol	2.344	147.636

WA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 09022015-A **Item number:**
Injection date: 2/16/2017 12:08:49 PM **Vial:** 8
Method: ethanol quant.M **Sequence:** 16Feb17
Instrument: US14173023 CN14160045 **Analyst:** Adrian
Data file: C:\Chem3211\Data\16Feb17\8.D

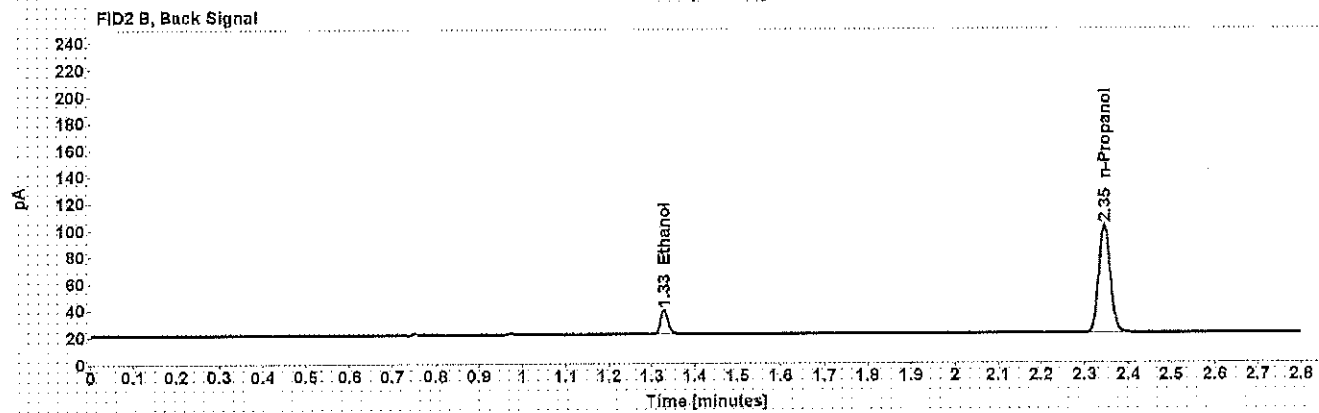
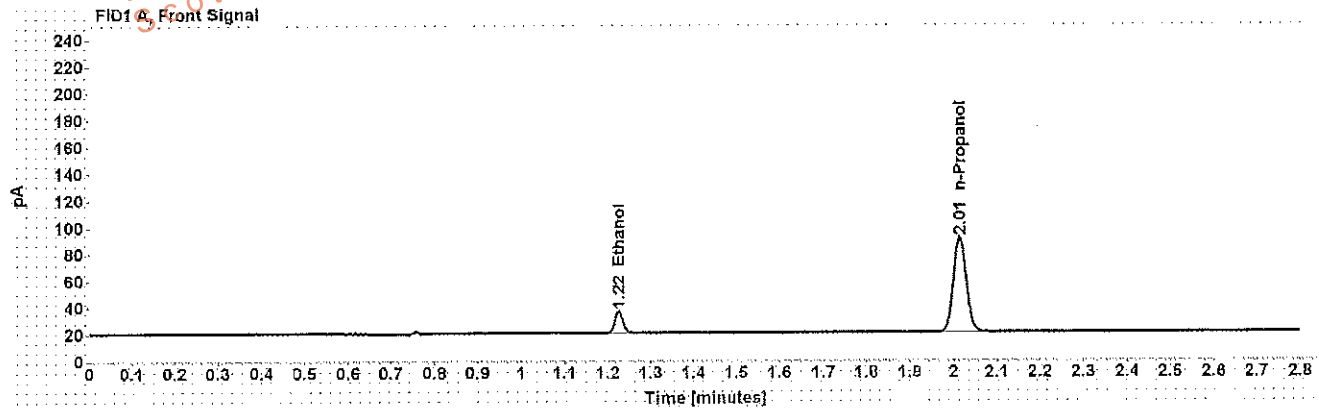


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0396	1.225	20.973
n-Propanol	-----	2.014	145.425

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

Compound	Time (min)	Peak Area
Ethanol	1.329	21.271
n-Propanol	2.345	149.551

WFA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 2/16/2017 12:12:48 PM	Vial: 9
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\9.D	

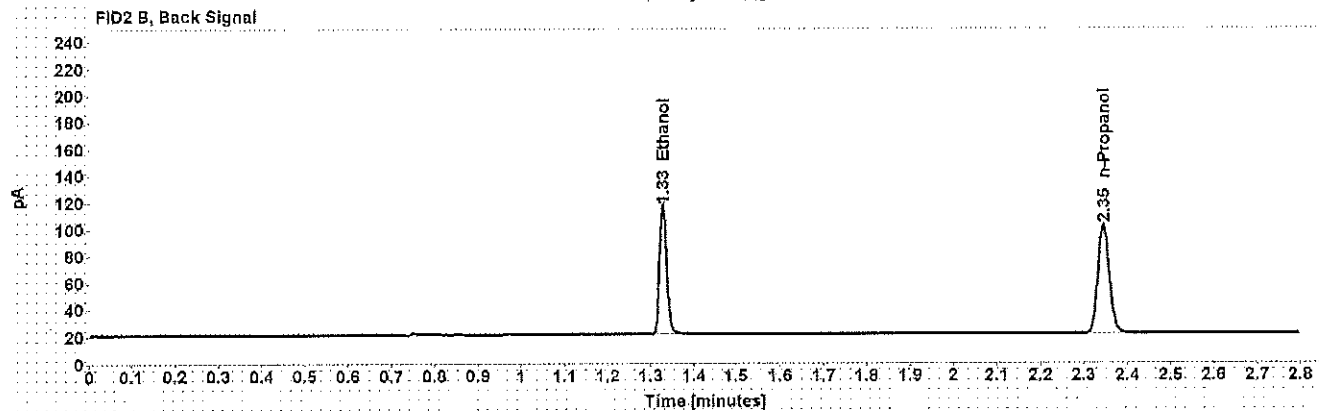
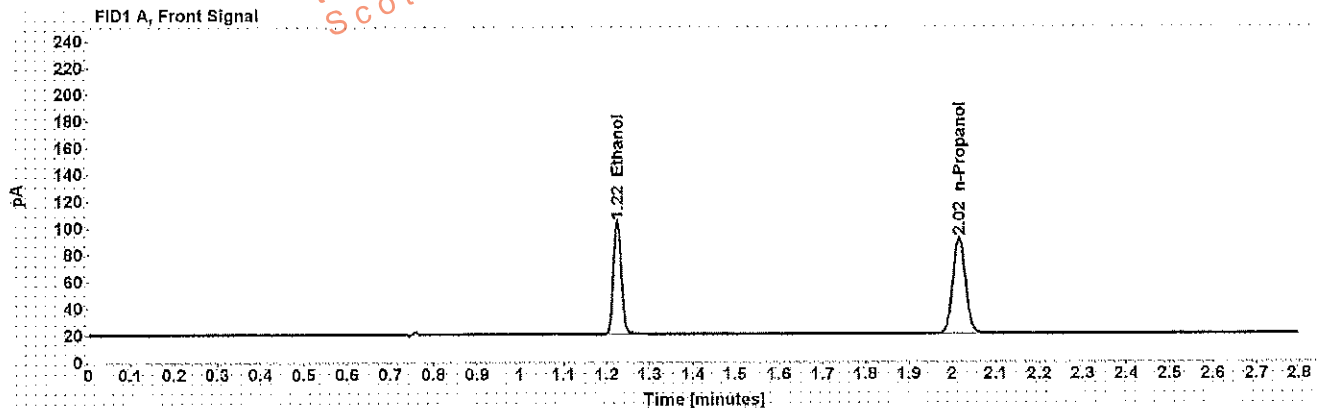


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1998	1.225	107.806
n-Propanol	-----	2.015	145.478

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

Compound	Time (min)	Peak Area
Ethanol	1.328	111.039
n-Propanol	2.346	149.717

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 2/16/2017 12:57:18 PM	Vial: 20
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\20.D	

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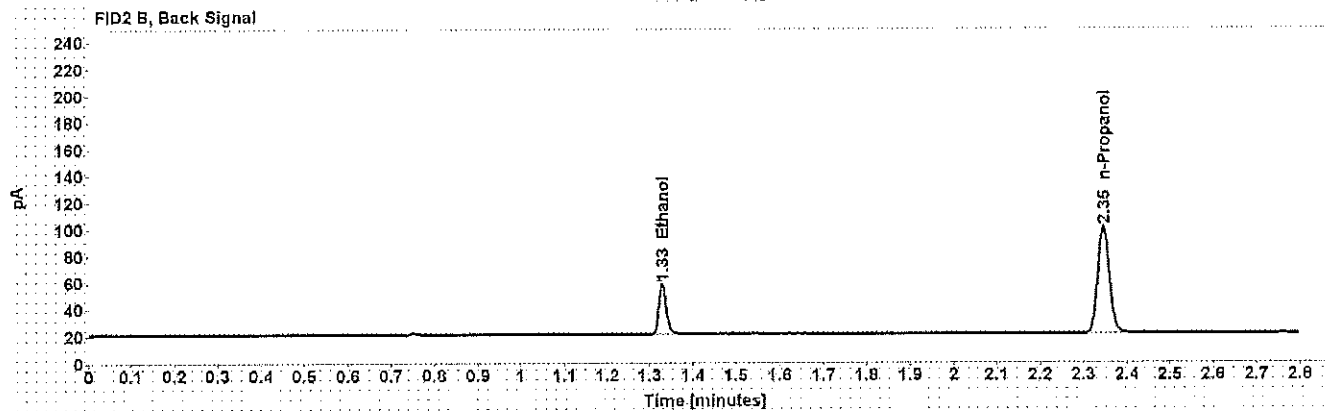
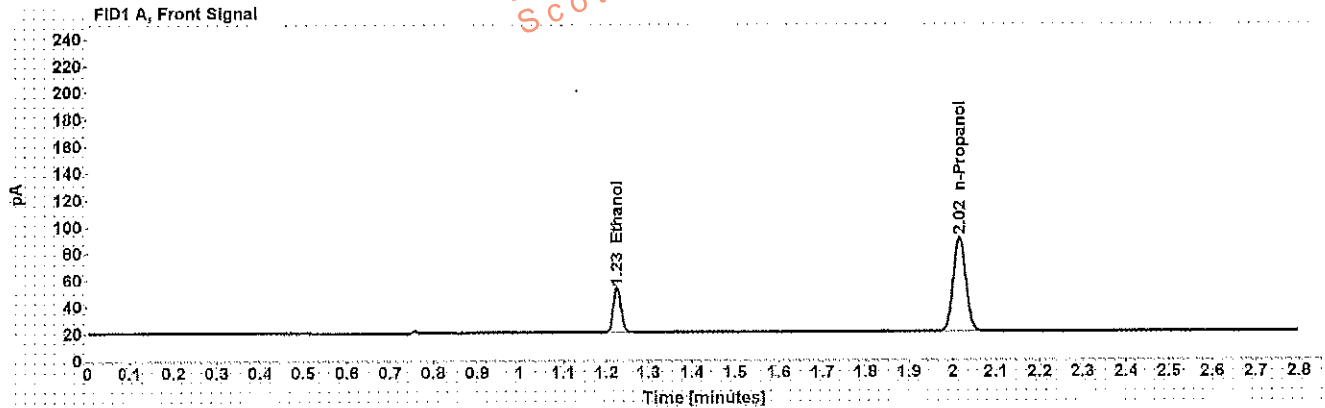


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.225	42.705
n-Propanol	-----	2.015	143.879

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

Compound	Time (min)	Peak Area
Ethanol	1.329	43.863
n-Propanol	2.346	148.166

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 09022015-C **Item number:**
Injection date: 2/16/2017 1:41:48 PM **Vial:** 31
Method: ethanol quant.M **Sequence:** 16Feb17
Instrument: US14173023 CN14160045 **Analyst:** Adrian
Data file: C:\Chem321\Dat\16Feb17\31.D

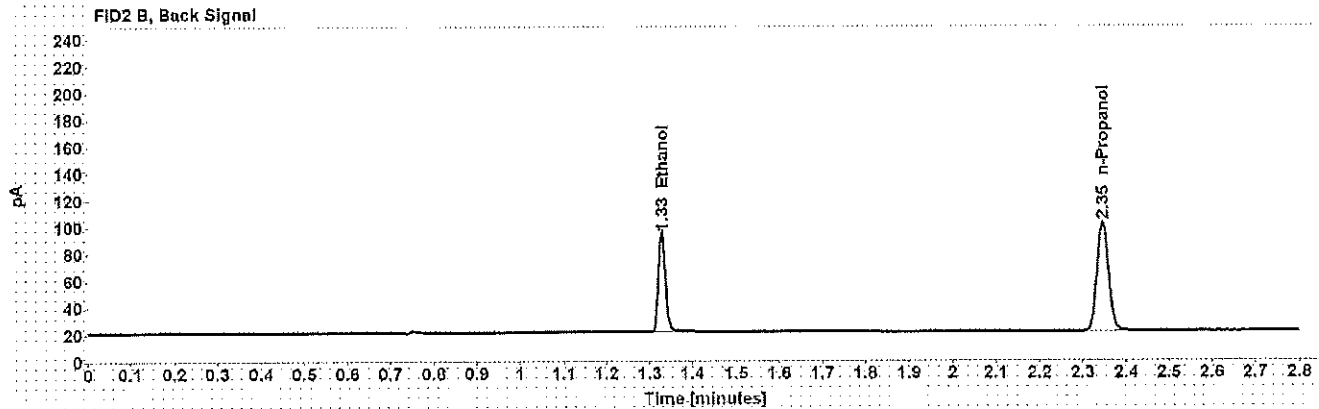
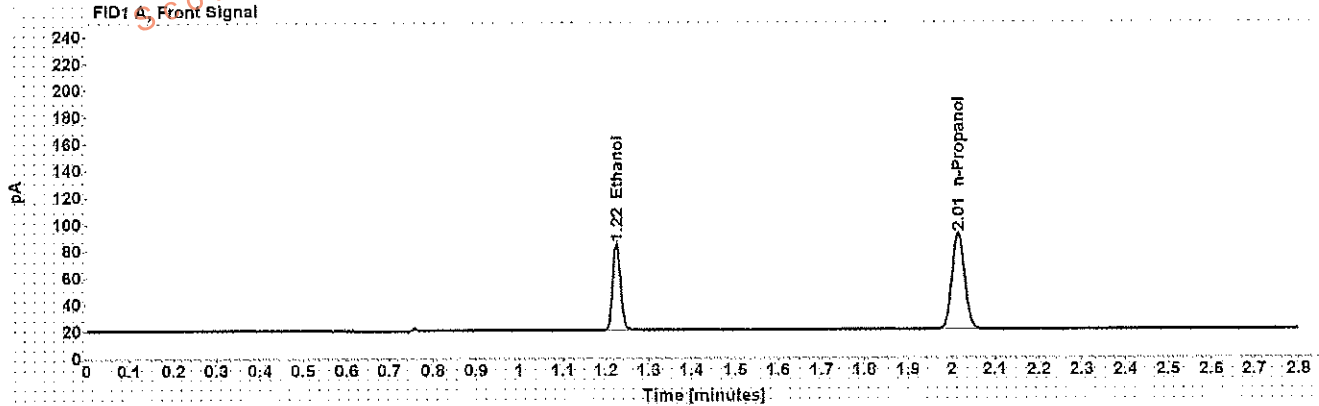


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1521	1.225	82.673
n-Propanol	-----	2.015	146.789

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

Compound	Time (min)	Peak Area
Ethanol	1.328	85.663
n-Propanol	2.346	151.530

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 2/16/2017 2:26:03 PM	Vial: 42
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\42.D	

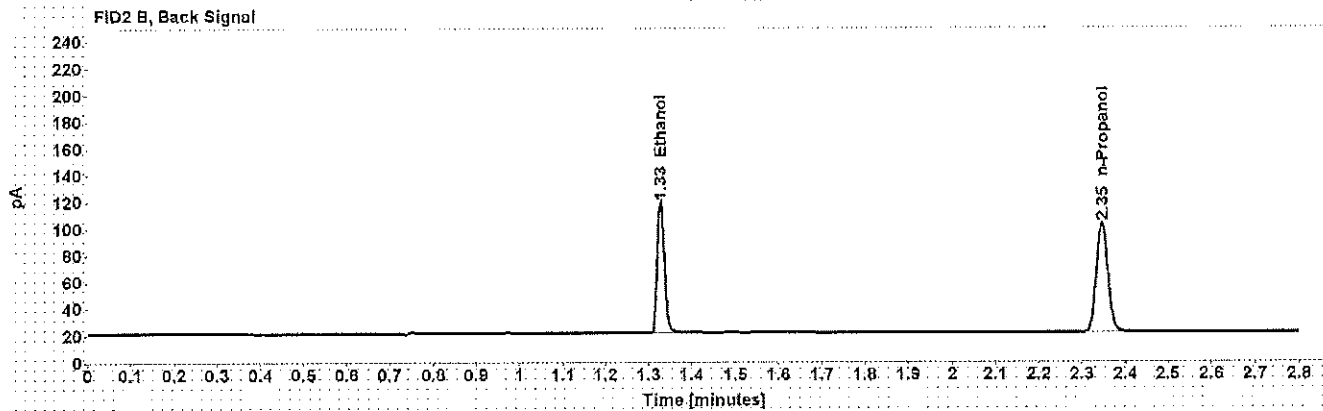
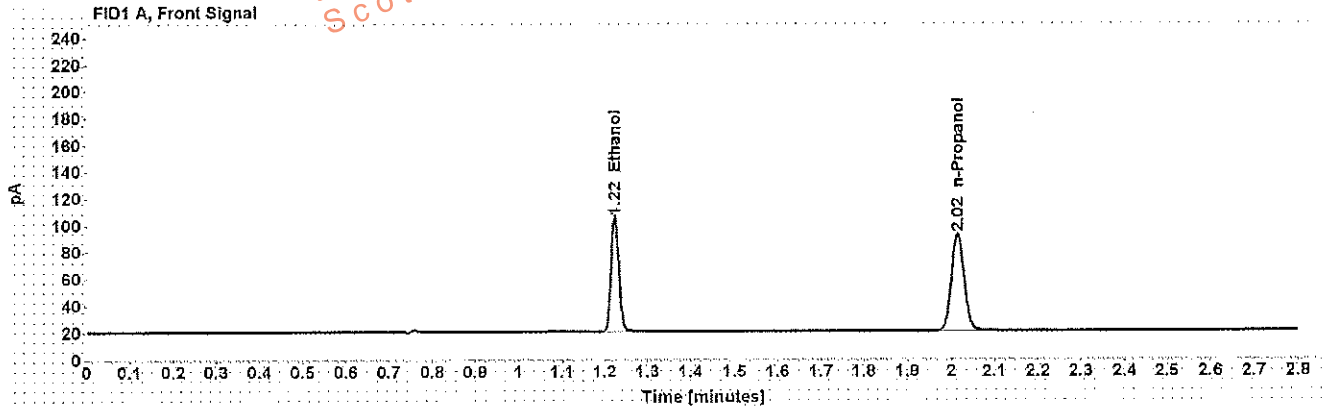


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2008	1.225	109.719
n-Propanol	-----	2.015	147.331

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

Compound	Time (min)	Peak Area
Ethanol	1.328	113.563
n-Propanol	2.346	152.040

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 08012015-C	Item number:
Injection date: 2/16/2017 2:38:18 PM	Vial: 45
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
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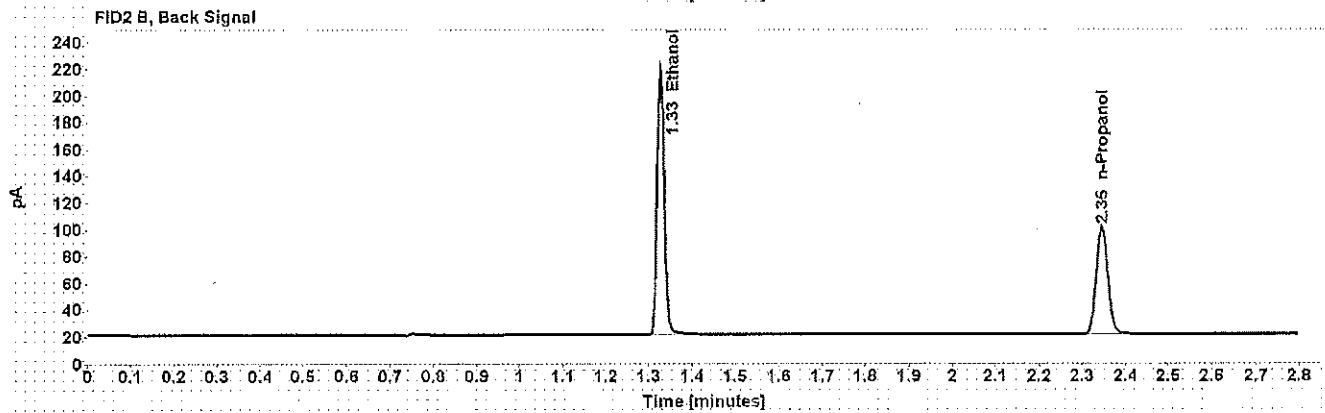
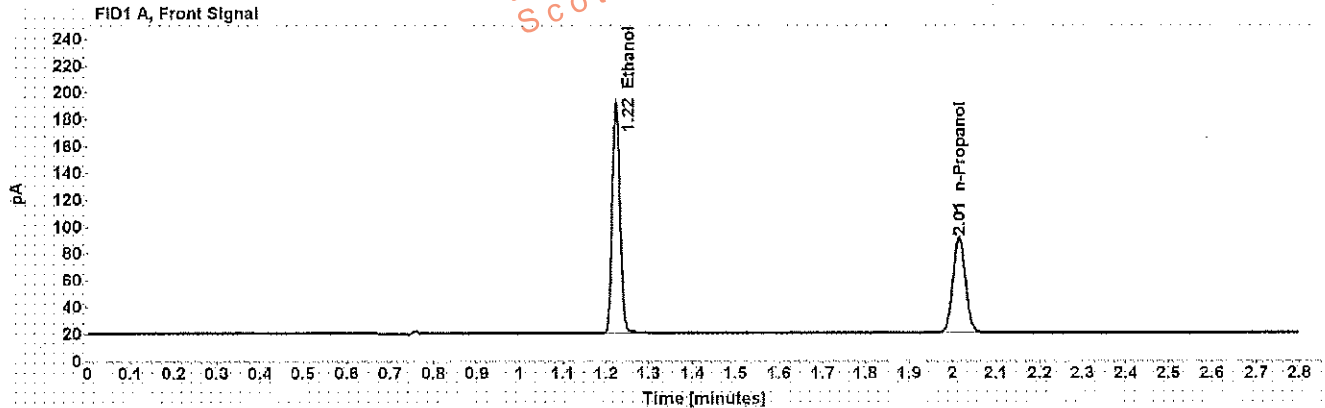


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4082	1.224	220.054
n-Propanol	-----	2.015	145.030

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

Compound	Time (min)	Peak Area
Ethanol	1.327	228.181
n-Propanol	2.345	150.033

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 2/16/2017 2:42:19 PM	Vial: 46
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Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\16Feb17\46.D	

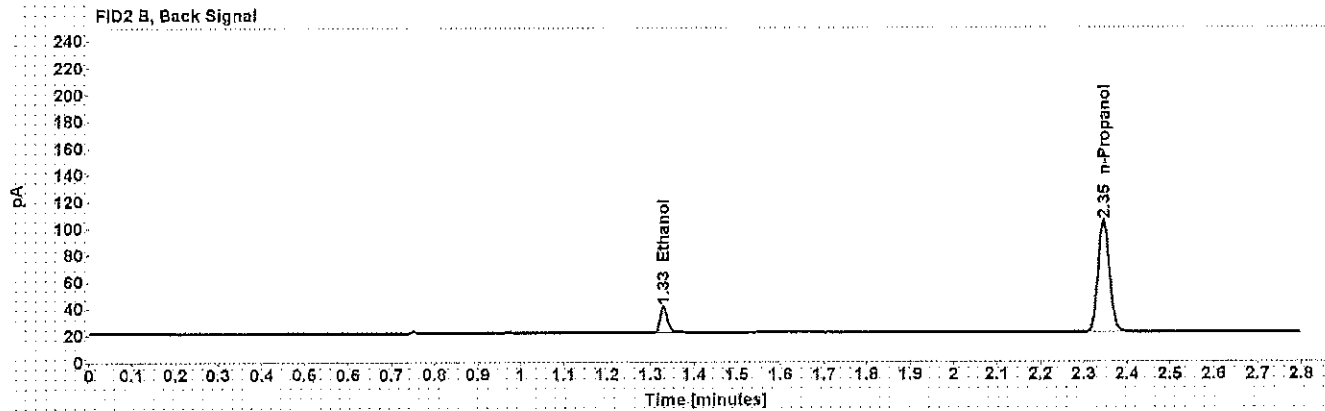
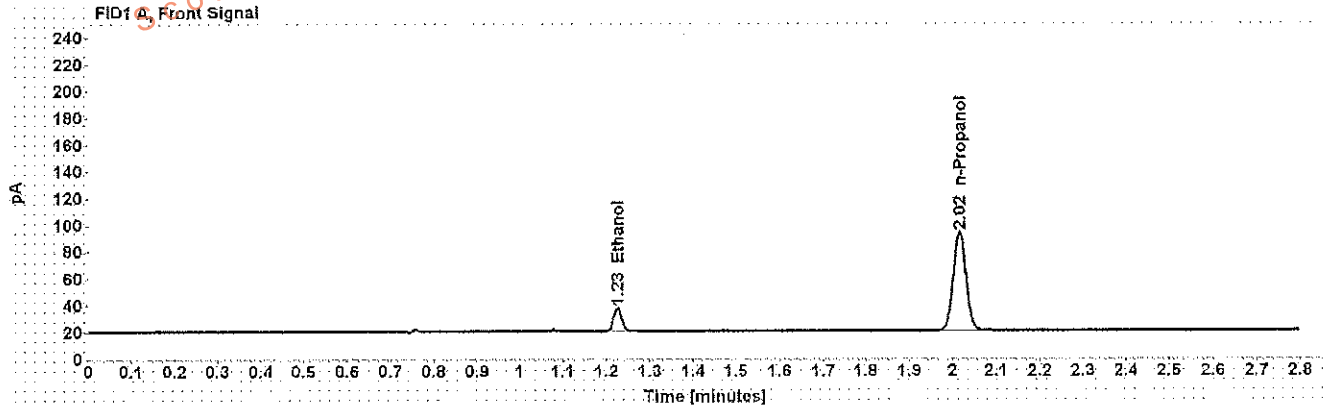


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.226	22.007
n-Propanol	-----	2.015	149.805

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

Compound	Time (min)	Peak Area
Ethanol	1.330	22.637
n-Propanol	2.346	154.920

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 2/16/2017 2:46:19 PM	Vial: 47
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\47.D	

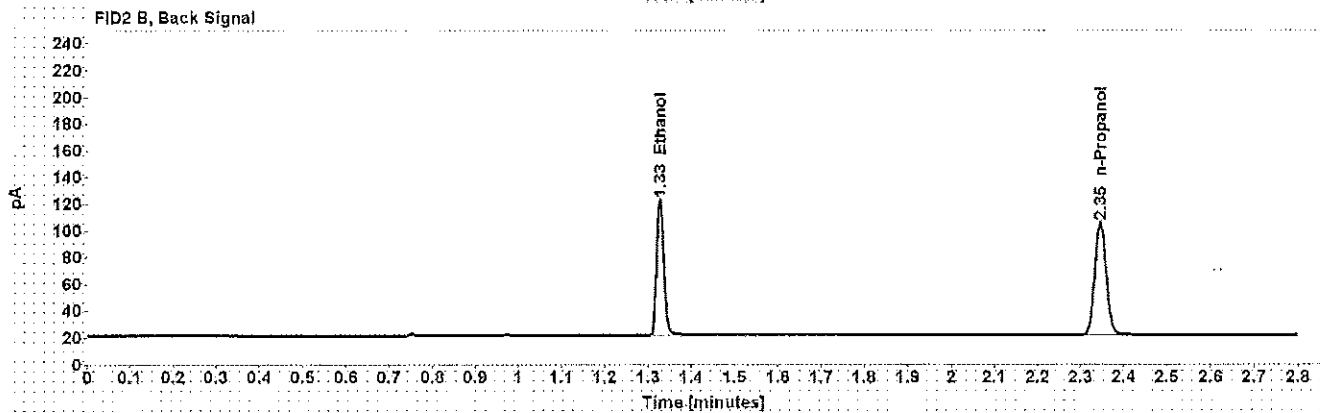
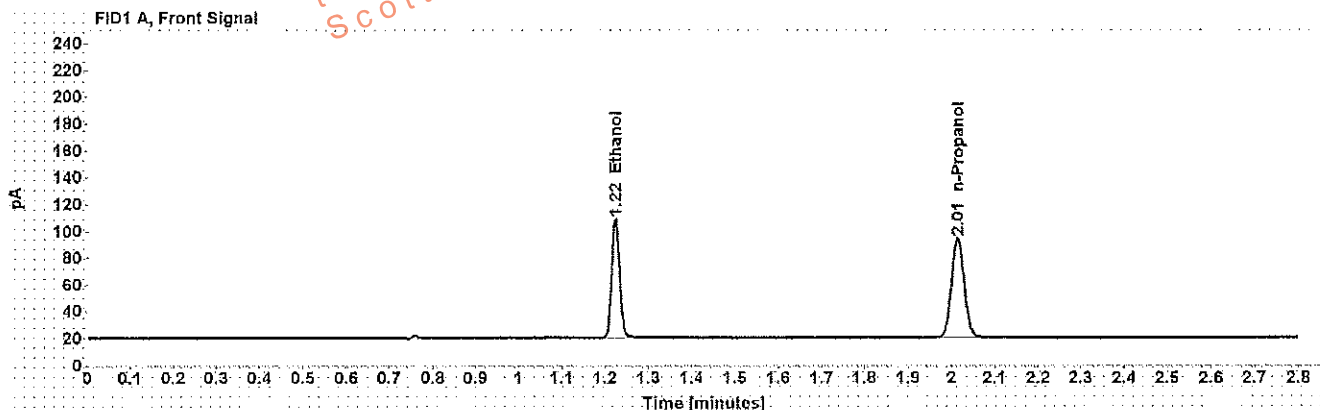


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2021	1.224	113.817
n-Propanol	-----	2.015	151.857

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

Compound	Time (min)	Peak Area
Ethanol	1.328	117.754
n-Propanol	2.346	156.967

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

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Sample: blank 012517	Item number:
Injection date: 2/16/2017 2:50:18 PM	Vial: 48
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\48.D	

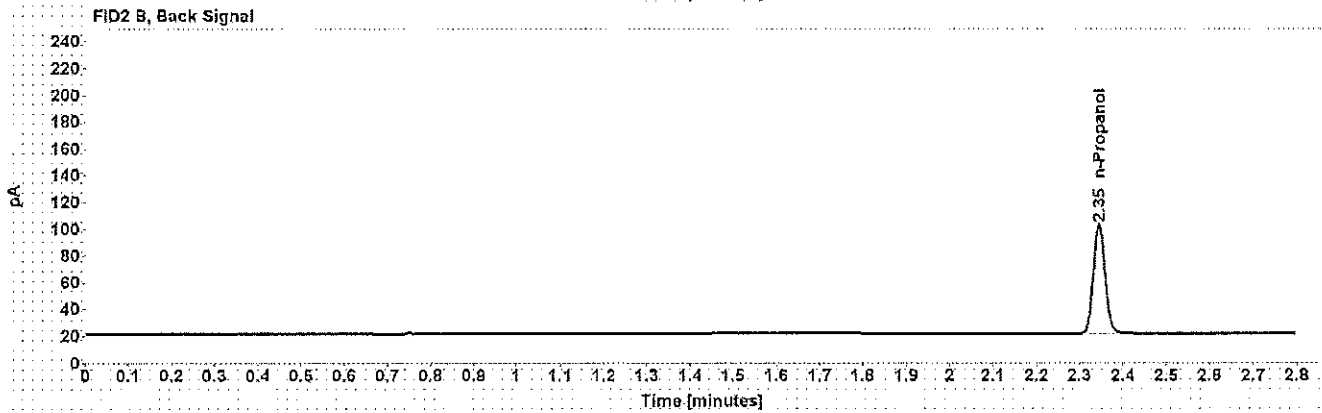
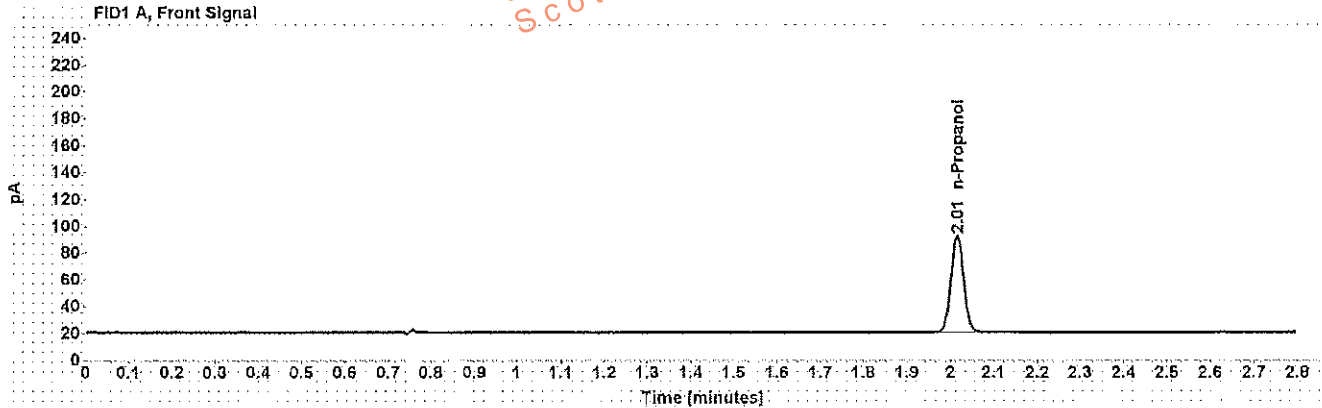


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	146.973

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	151.999

WA

Sequence Summary

Sequence name: 16Feb17 Instrument: US14173023 CN14160045 Analyst: Adrian

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN03241604	Calibration		ethanol quant.M
2	0.100 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.200 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.400 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 012517	Control		ethanol quant.M
6	volatiles mix 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	1130613	ethanol quant.M
11		Sample	1130613	ethanol quant.M
12		Sample	1136823	ethanol quant.M
13		Sample	1136823	ethanol quant.M
14		Sample	1129843	ethanol quant.M
15		Sample	1129843	ethanol quant.M
16		Sample	1132286	ethanol quant.M
17		Sample	1132286	ethanol quant.M
18		Sample	1132282	ethanol quant.M
19		Sample	1132282	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1132095	ethanol quant.M
22		Sample	1132095	ethanol quant.M
23		Sample	1131763	ethanol quant.M
24		Sample	1131763	ethanol quant.M
25		Sample	1137856	ethanol quant.M
26		Sample	1137856	ethanol quant.M
27		Sample	1137511	ethanol quant.M
28		Sample	1137511	ethanol quant.M
29		Sample	1137133	ethanol quant.M
30		Sample	1137133	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32		Sample	1134551	ethanol quant.M
33		Sample	1134551	ethanol quant.M
34		Sample	1134853	ethanol quant.M
35		Sample	1134853	ethanol quant.M
36		Sample	1137546	ethanol quant.M
37		Sample	1137546	ethanol quant.M
38		Sample	1113592	ethanol quant.M
39		Sample	1113592	ethanol quant.M
40		Sample	1099822	ethanol quant.M
41		Sample	1099822	ethanol quant.M
42	0.20 ACQ 407041529/3	Control		ethanol quant.M
43		Sample	1138681	ethanol quant.M
44		Sample	1138681	ethanol quant.M
45	0.40 Lipomed 08012015-C	Control		ethanol quant.M
46	0.04 Lipomed 09022015-A	Control		ethanol quant.M
47	0.20 ACQ 407041529/3	Control		ethanol quant.M

Sequence Summary

48	blank 012517	Control	ethanol quant.M
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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 16Feb17

ANALYST: Adrian

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0000	0.0000	0.00000	0.00	0.00000
12 13	0.0000	0.0000	0.00000	0.00	0.00000
14 15	0.1479	0.1460	0.14695	0.65	0.00095
16 17	0.1725	0.1730	0.17275	0.14	0.00025
18 19	0.1509	0.1510	0.15095	0.03	0.00005
21 22	0.2123	0.2143	0.21330	0.47	0.00100
23 24	0.1731	0.1734	0.17325	0.09	0.00015
25 26	0.2337	0.2340	0.23385	0.06	0.00015
27 28	0.1587	0.1586	0.15865	0.03	0.00005
29 30	0.2192	0.2206	0.21990	0.32	0.00070
32 33	0.0711	0.0706	0.07085	0.35	0.00025
34 35	0.3183	0.3154	0.31585	0.14	0.00045
36 37	0.1727	0.1714	0.17205	0.38	0.00065
38 39	0.2792	0.2795	0.27935	0.05	0.00015
40 41	0.1558	0.1528	0.15430	0.97	0.00150
43 44	0.0924	0.0924	0.09240	0.00	0.00000

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1130613
Injection date: 2/16/2017 12:16:48 PM	Vial: 10
Method: ethanol.quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\10.D	

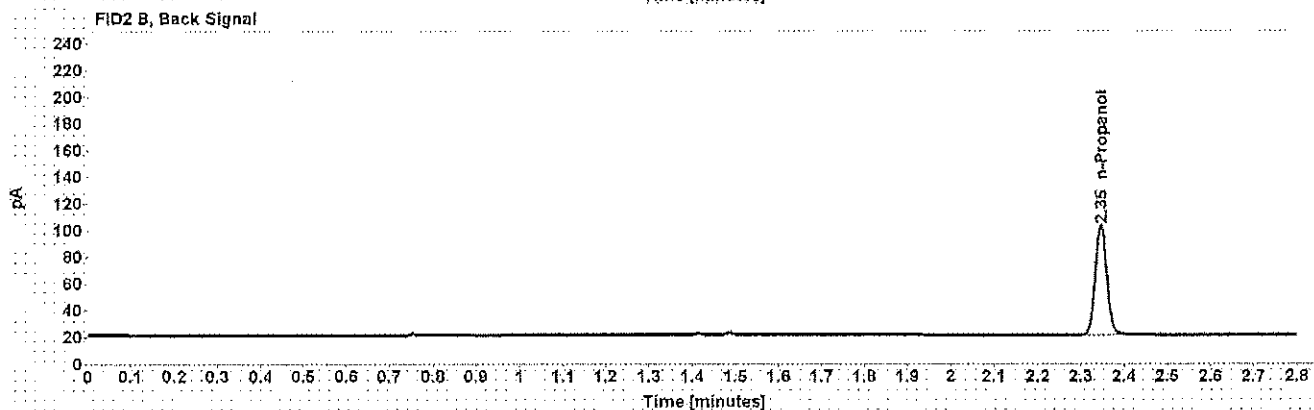
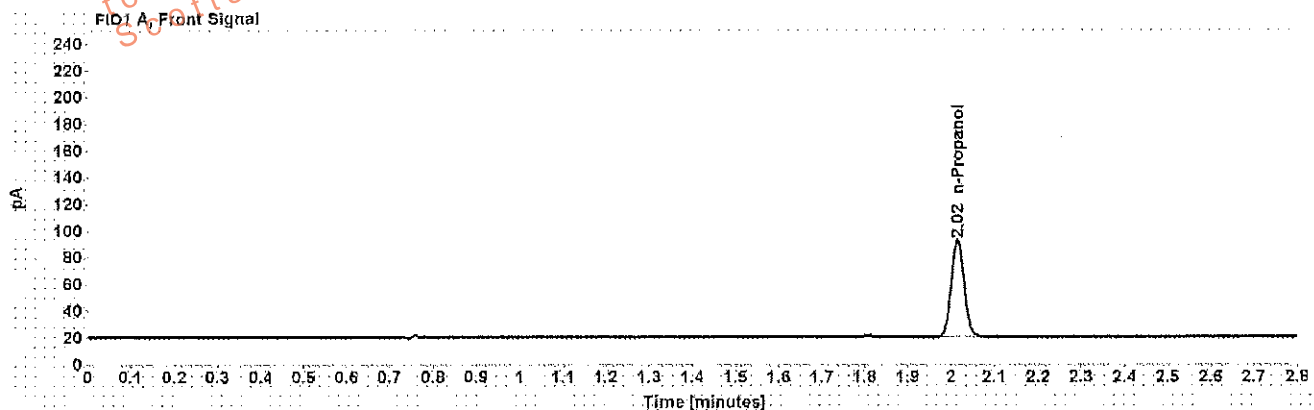


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	147.900

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	152.554

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1130613
Injection date: 2/16/2017 12:20:49 PM	Vial: 11
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\11.D	

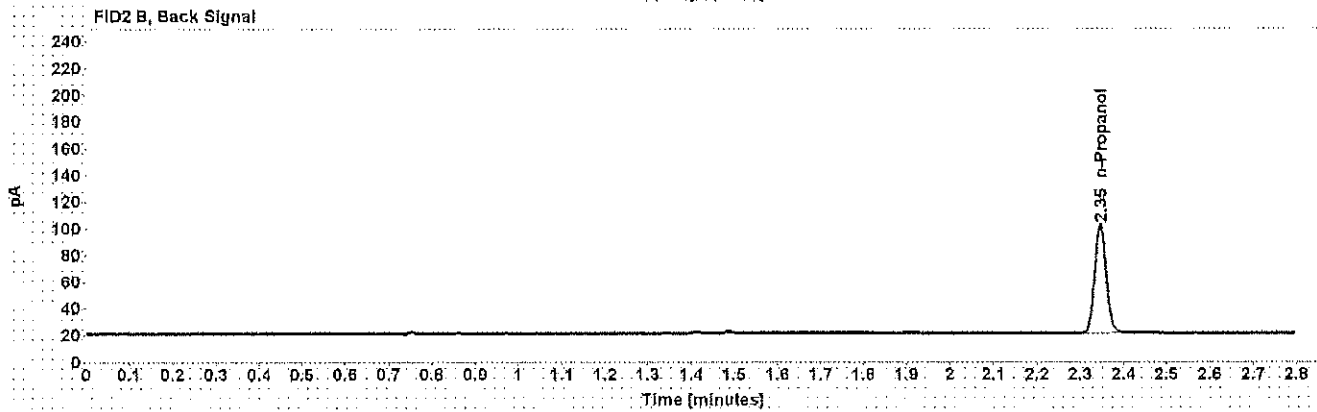
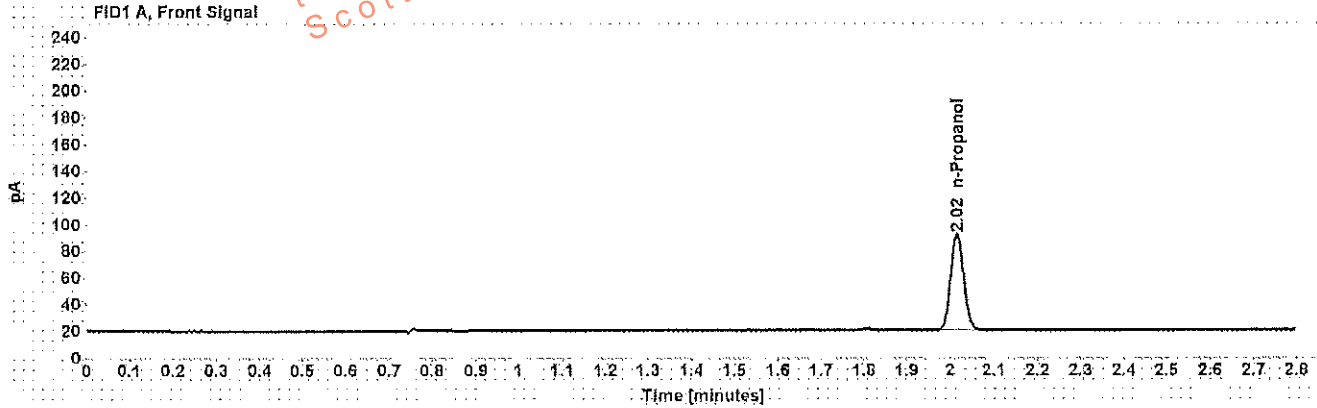


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	146.348

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	150.980

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1136823
Injection date:	2/16/2017 12:24:49 PM	Vial:	12
Method:	ethanol quant.M	Sequence:	16Feb17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\16Feb17\12.D		

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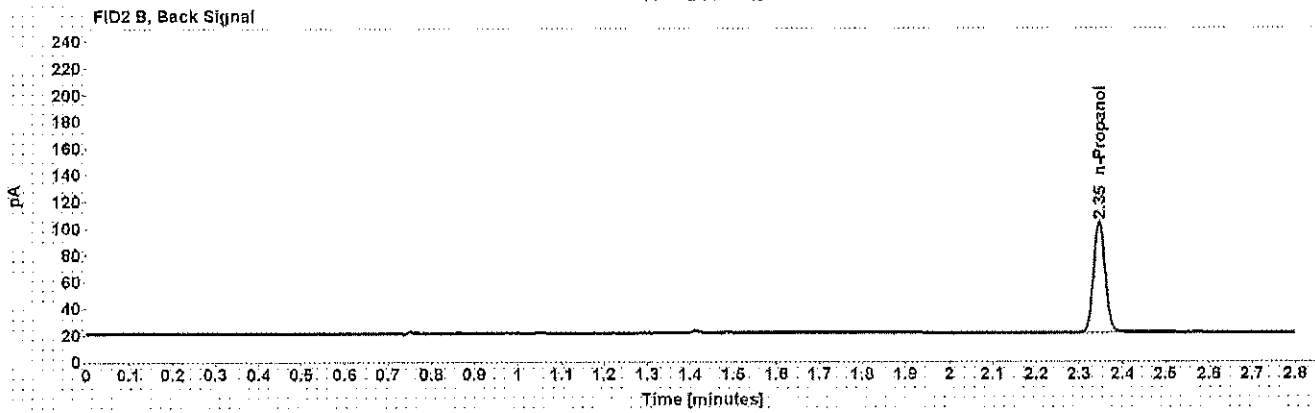
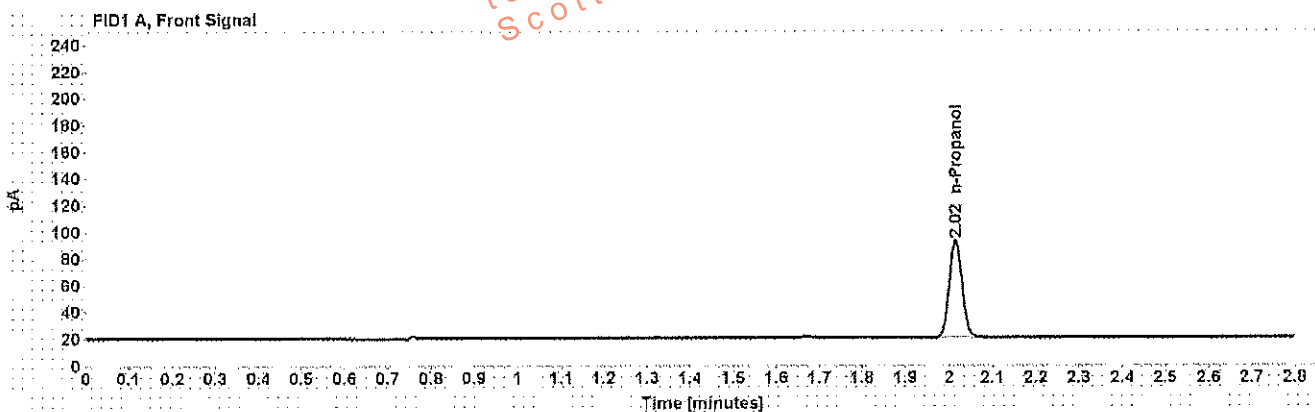


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	148.701

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	153.358

Case: [REDACTED] User: wadrian 2/16/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1136823
Injection date: 2/16/2017 12:29:03 PM Vial: 13
Method: ethanol quant M Sequence: 16Feb17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\13.D

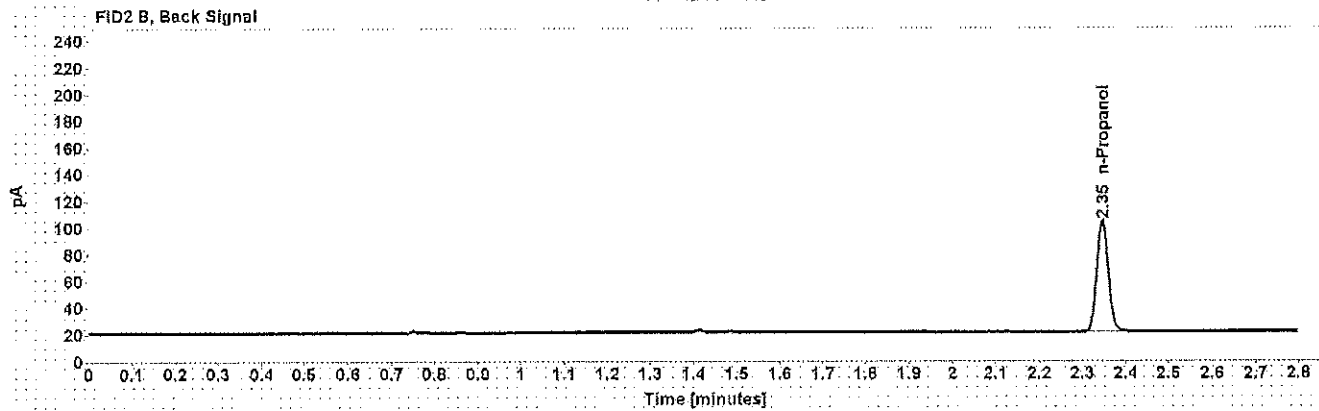
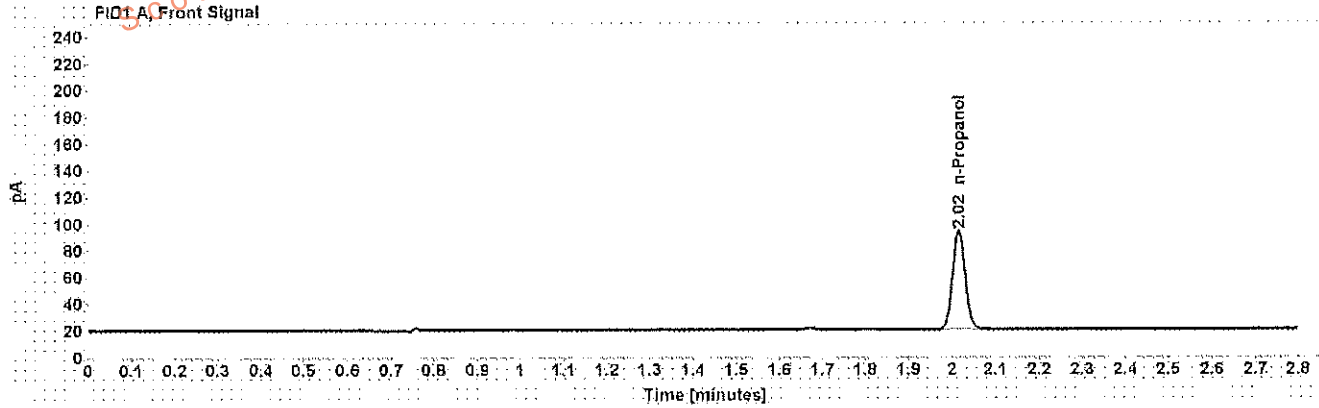


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	150.265

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	155.044

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1129843
Injection date: 2/16/2017 12:33:03 PM	Vial: 14
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\14.D	

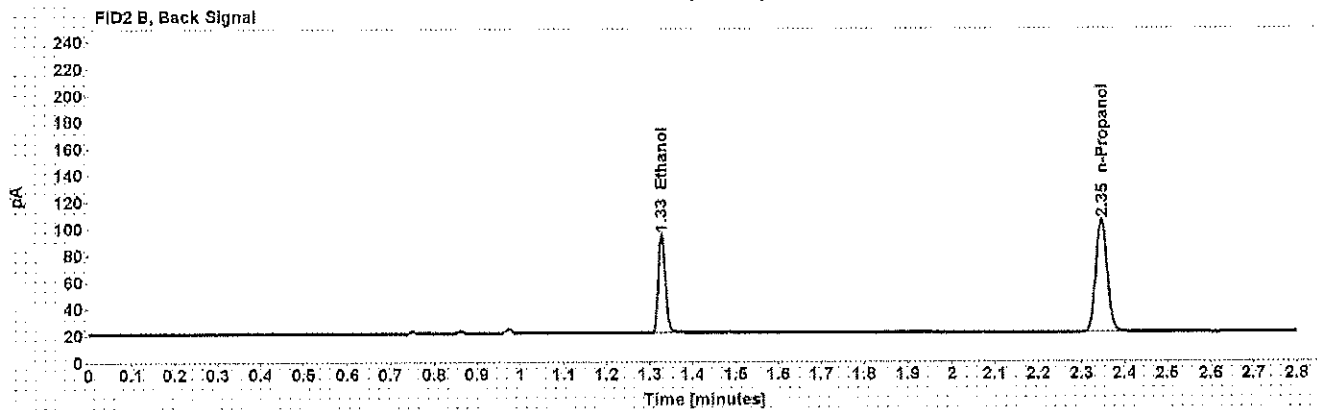
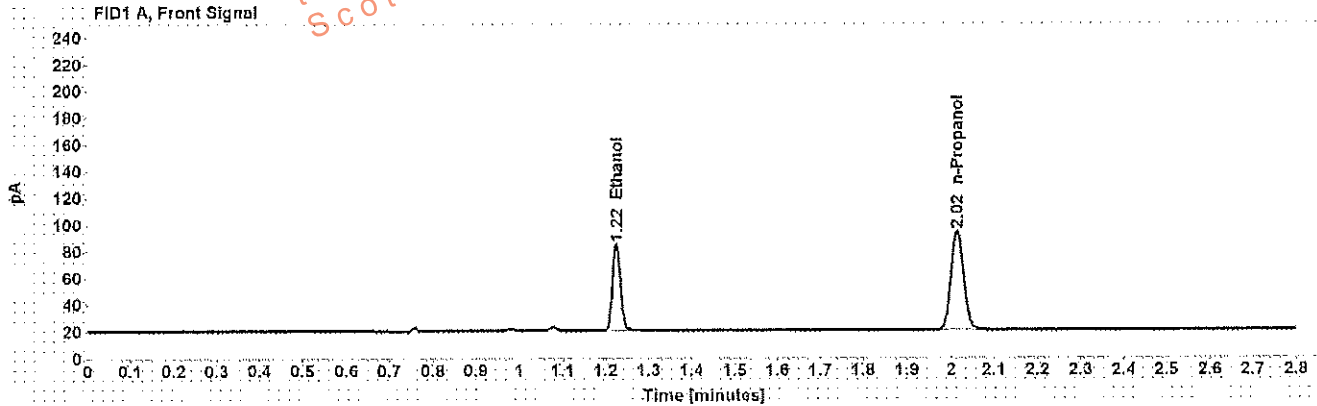


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1479	1.225	82.922
n-Propanol	-----	2.015	151.380

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

Compound	Time (min)	Peak Area
Ethanol	1.328	85.486
n-Propanol	2.346	156.186

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1129843
Injection date: 2/16/2017 12:37:03 PM	Vial: 15
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\15.D	

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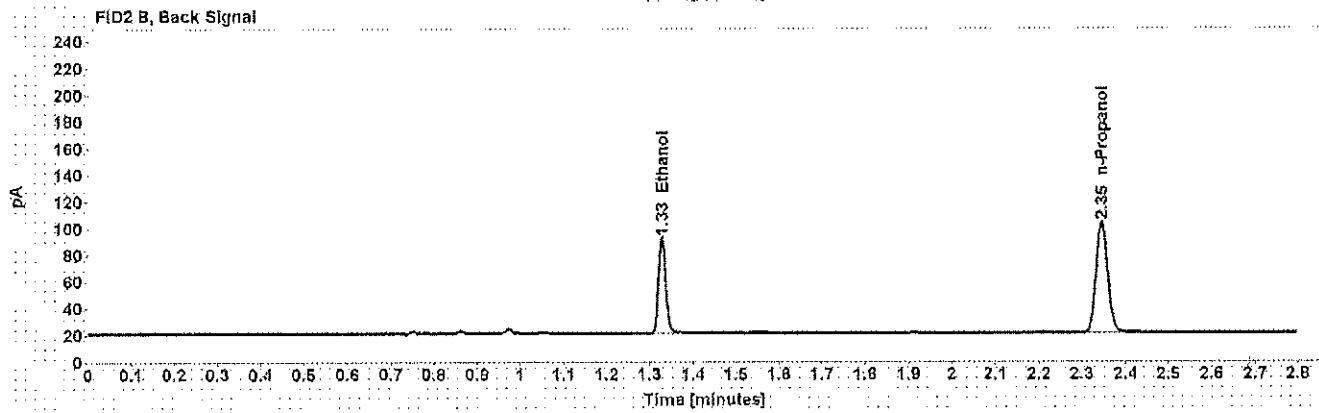
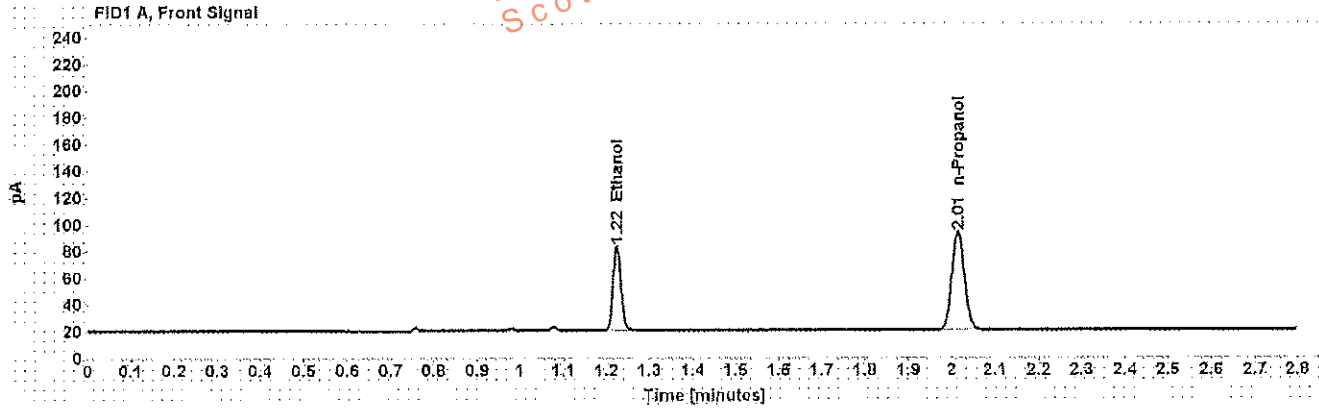


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1460	1.225	80.834
n-Propanol	-----	2.015	149.531

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

Compound	Time (min)	Peak Area
Ethanol	1.328	83.438
n-Propanol	2.345	154.148

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1132286
Injection date: 2/16/2017 12:41:04 PM	Vial: 16
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\16.D	

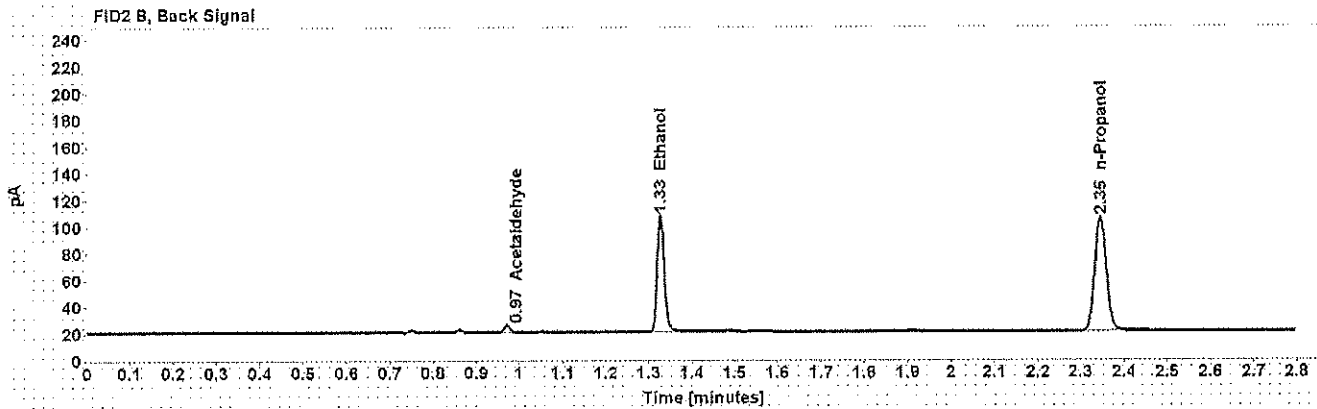
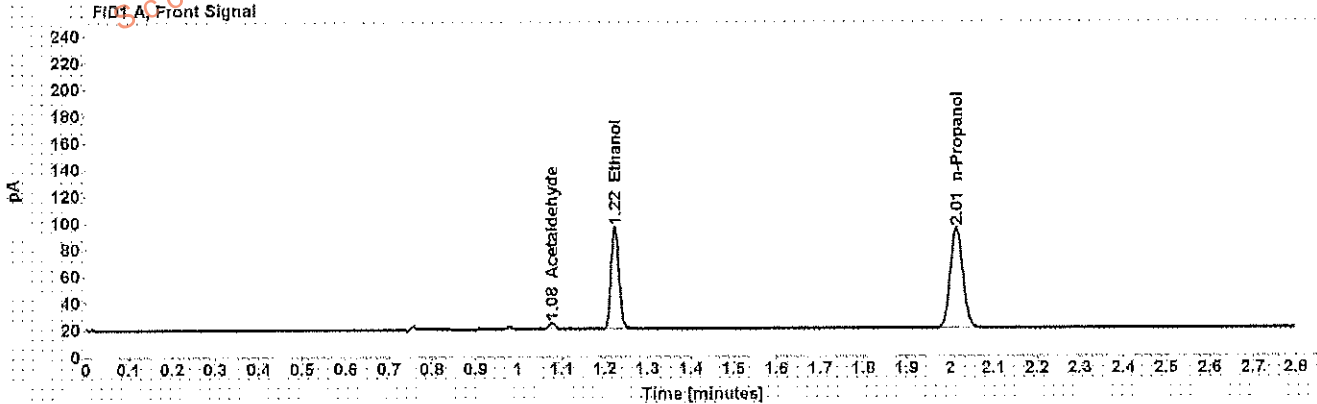


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.568
>Ethanol	0.1725	1.224	97.933
n-Propanol	-----	2.015	153.208

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.868
Ethanol	1.327	100.894
n-Propanol	2.345	158.050

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1132286
Injection date: 2/16/2017 12:45:03 PM	Vial: 17
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\17.D	

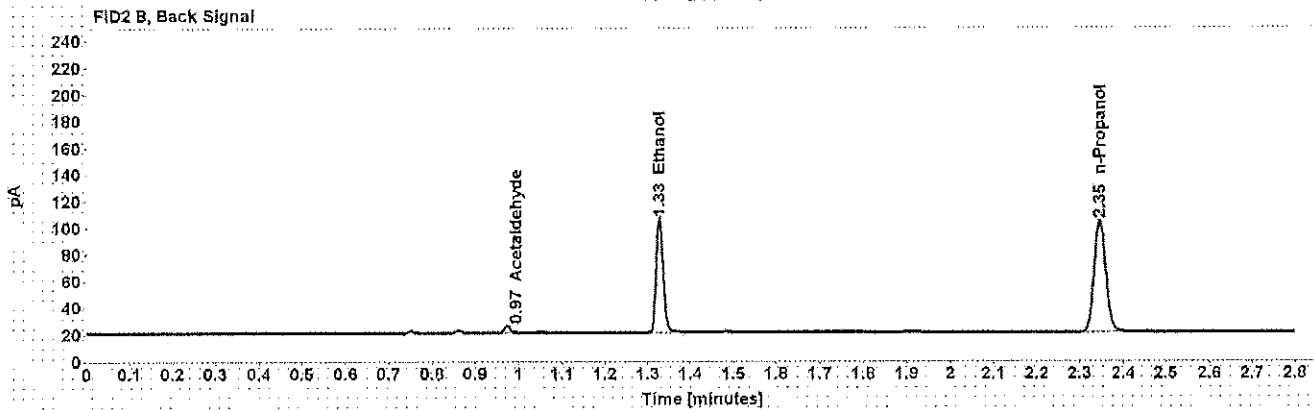
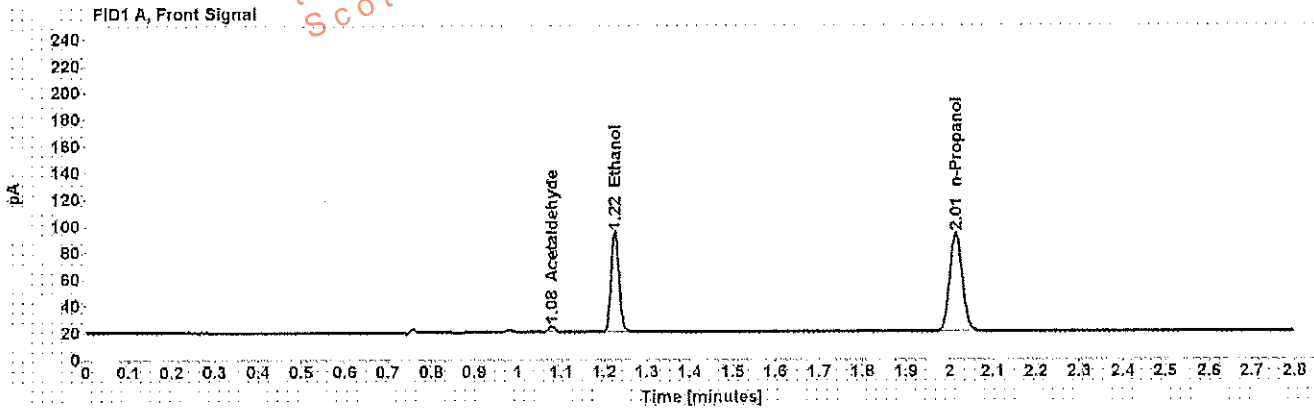


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.528
>Ethanol	0.1730	1.225	96.024
n-Propanol	-----	2.015	149.786

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.851
Ethanol	1.328	99.167
n-Propanol	2.346	154.610

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1132282
Injection date:	2/16/2017 12:49:02 PM	Vial:	18
Method:	ethanol quant.M	Sequence:	16Feb17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\16Feb17\18.D		

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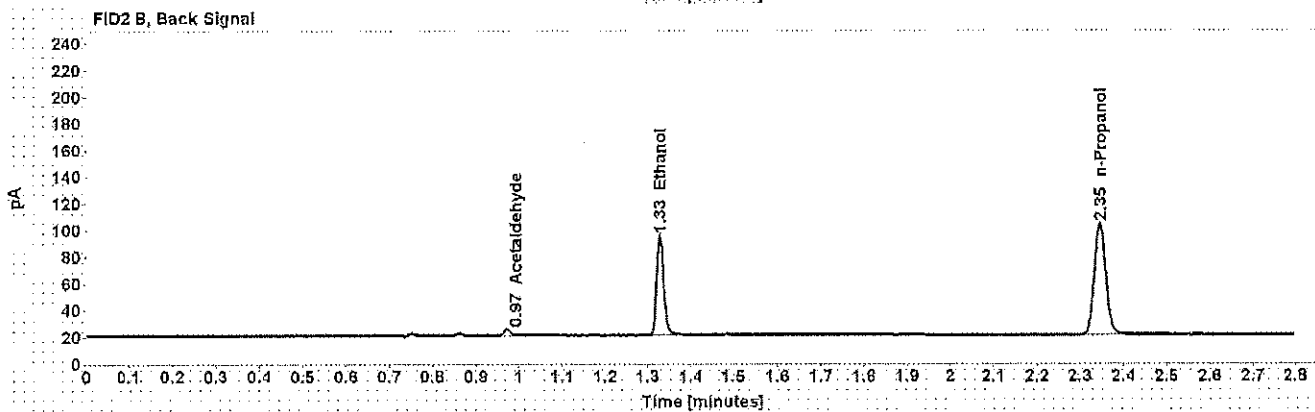
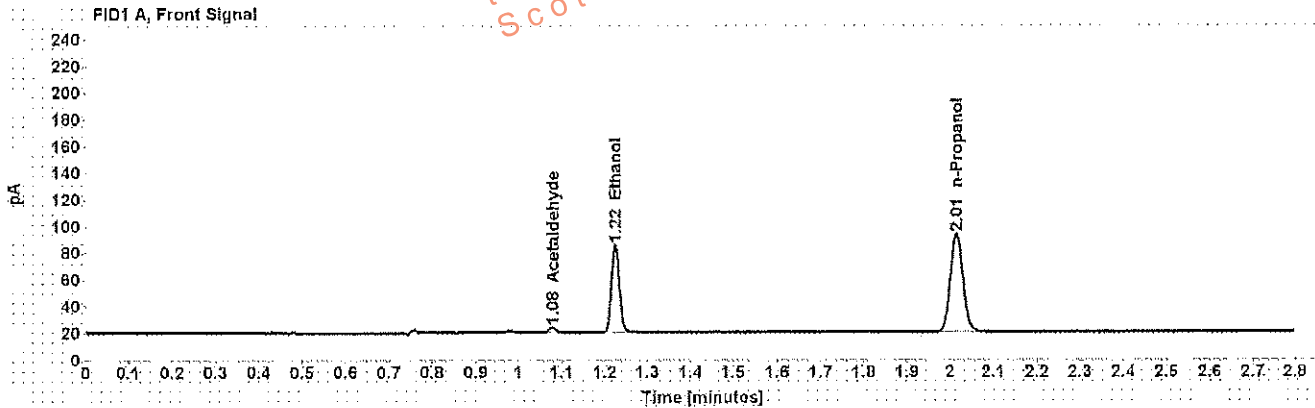


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.187
>Ethanol	0.1509	1.225	83.862
n-Propanol	-----	2.015	150.088

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.472
Ethanol	1.328	86.620
n-Propanol	2.346	154.508

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1132282
Injection date: 2/16/2017 12:53:19 PM	Vial: 19
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\16Feb17\19.D	

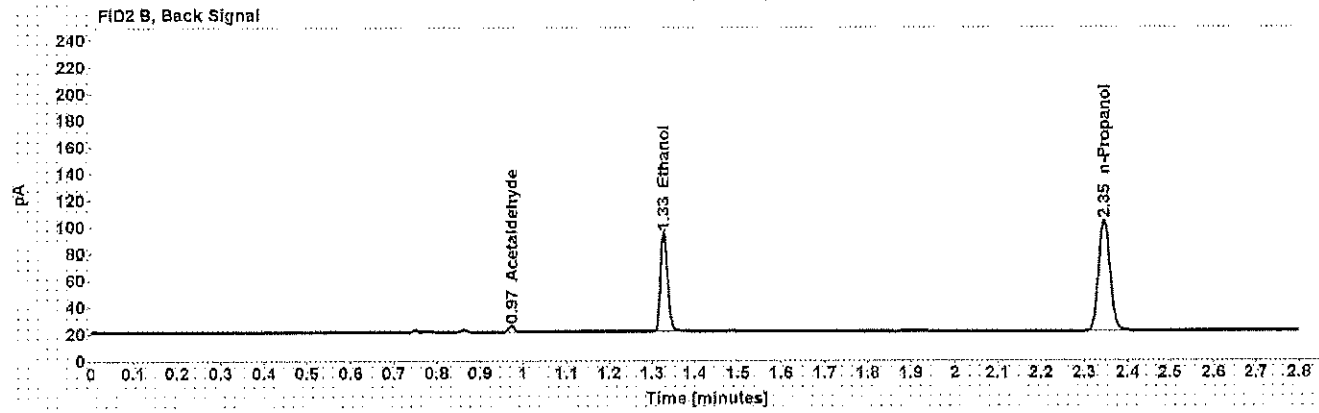
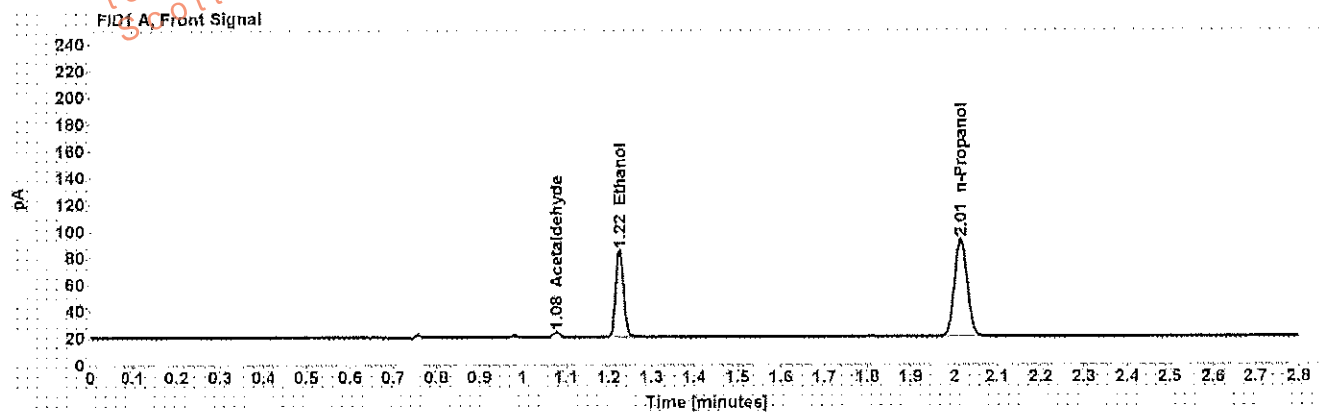


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.922
>Ethanol	0.1510	1.225	83.341
n-Propanol	-----	2.015	149.080

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.202
Ethanol	1.328	85.854
n-Propanol	2.346	153.634

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1132095
Injection date: 2/16/2017 1:01:18 PM	Vial: 21
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\21.D	

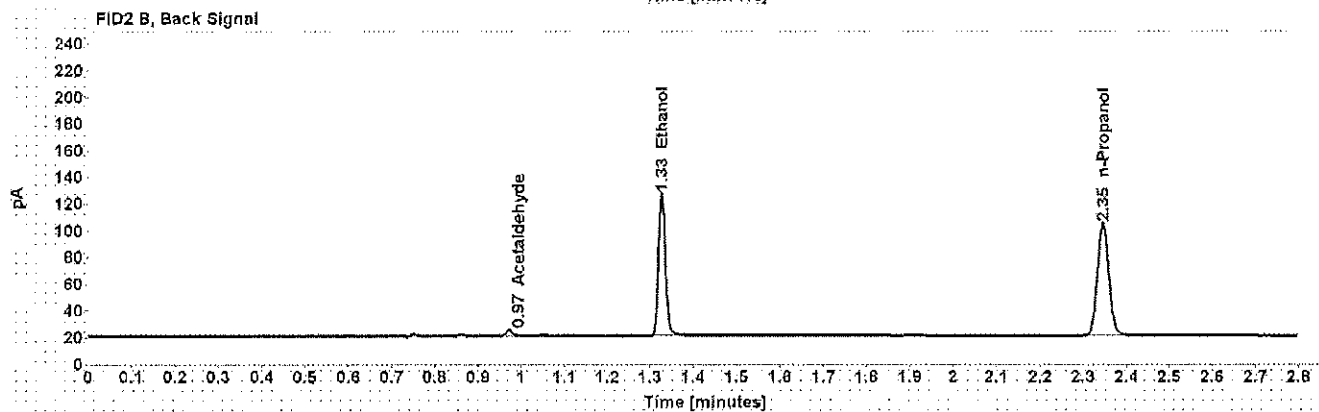
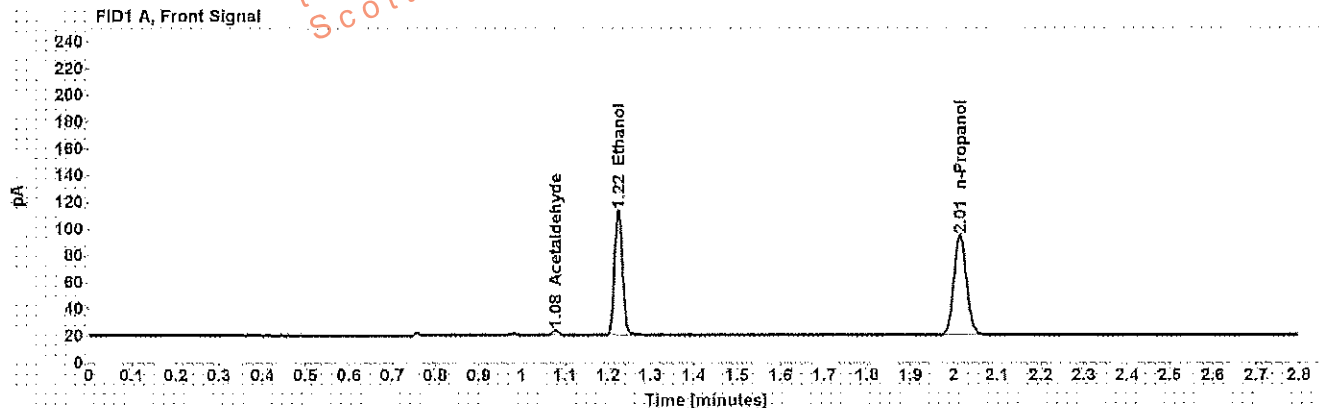


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.833
>Ethanol	0.2123	1.224	119.485
n-Propanol	-----	2.015	151.718

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.045
Ethanol	1.327	123.392
n-Propanol	2.345	156.355

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1132095
Injection date: 2/16/2017 1:05:18 PM	Vial: 22
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\22.D	

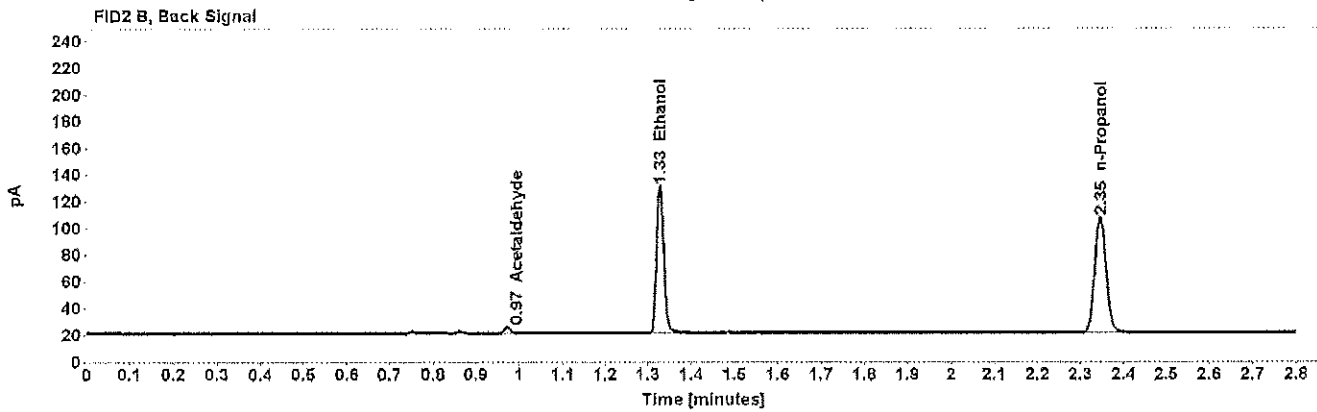
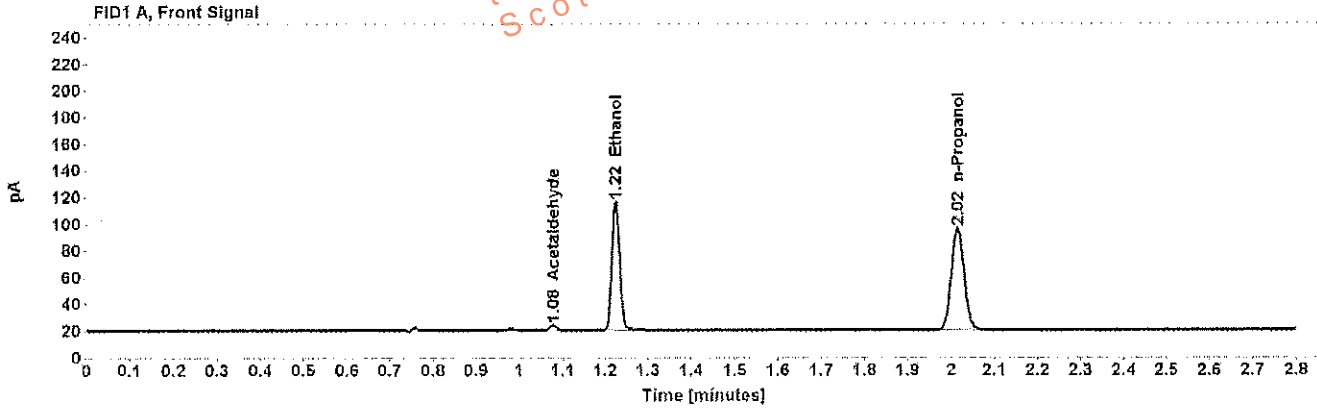


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.971
>Ethanol	0.2143	1.225	123.447
n-Propanol	-----	2.015	155.276

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.257
Ethanol	1.328	127.379
n-Propanol	2.346	160.094

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1131763
Injection date: 2/16/2017 1:09:18 PM	Vial: 23
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\16Feb17\23.D	

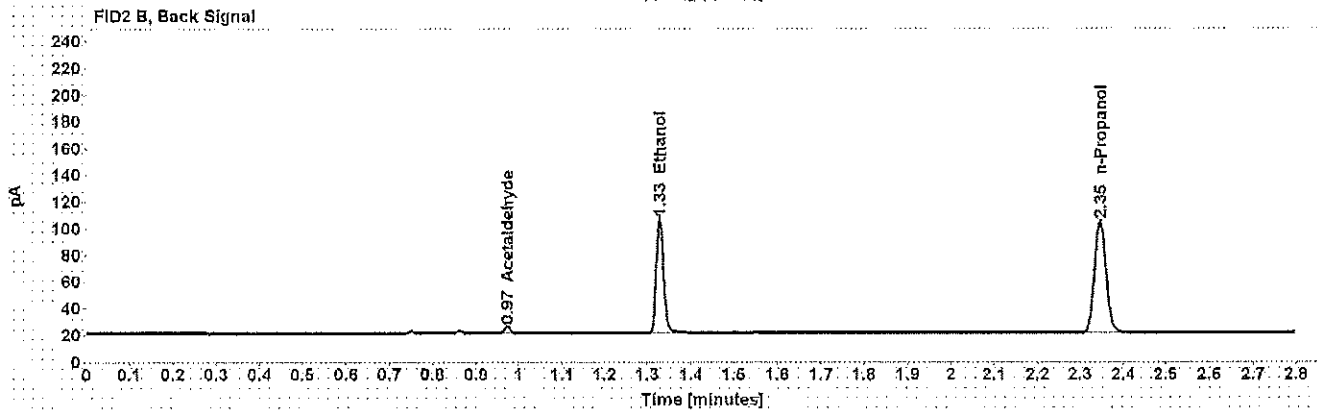
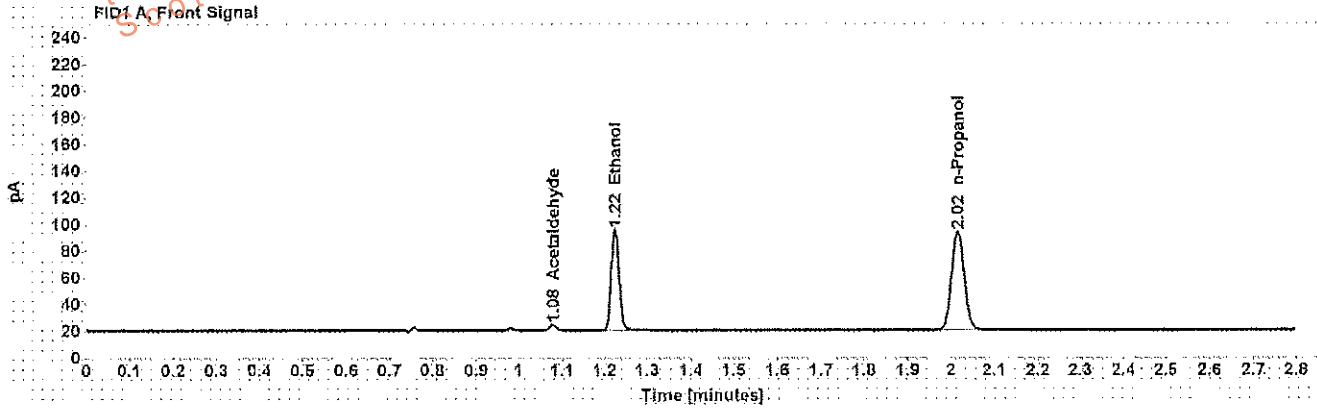


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.306
>Ethanol	0.1731	1.225	96.725
n-Propanol	-----	2.015	150.798

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.580
Ethanol	1.328	99.891
n-Propanol	2.346	155.567

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1131763
Injection date:	2/16/2017 1:13:18 PM	Vial:	24
Method:	ethanol quant.M	Sequence:	16Feb17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem321\16Feb17\24.D		

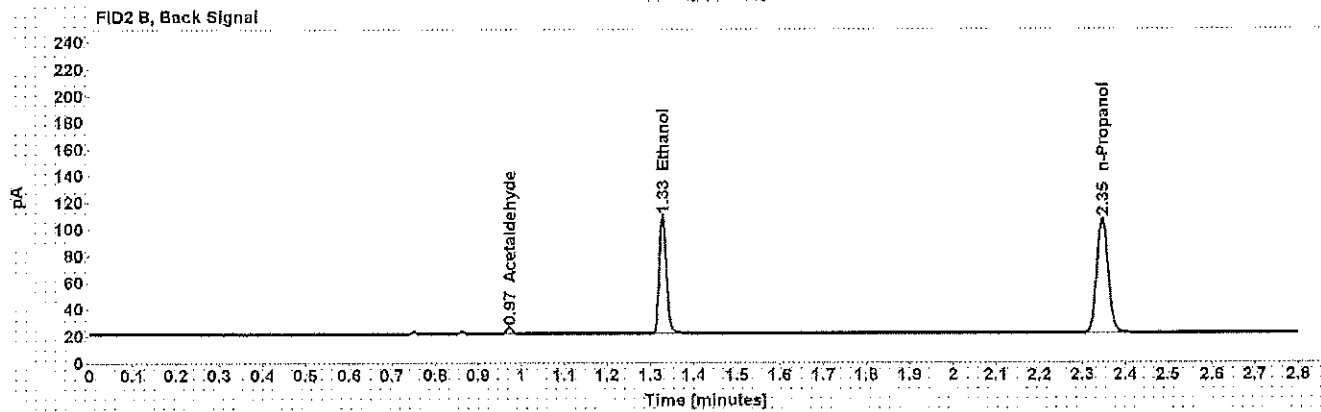
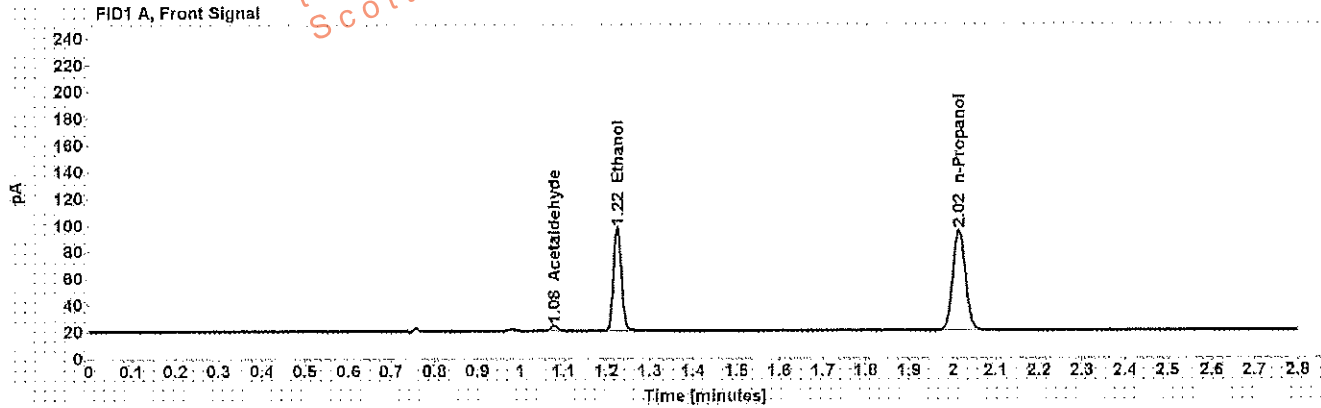


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.216
>Ethanol	0.1734	1.225	98.927
n-Propanol	-----	2.015	153.969

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.520
Ethanol	1.328	102.264
n-Propanol	2.346	158.991

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1137856
Injection date:	2/16/2017 1:17:34 PM	Vial:	25
Method:	ethanol quant.M	Sequence:	16Feb17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\16Feb17\25.D		

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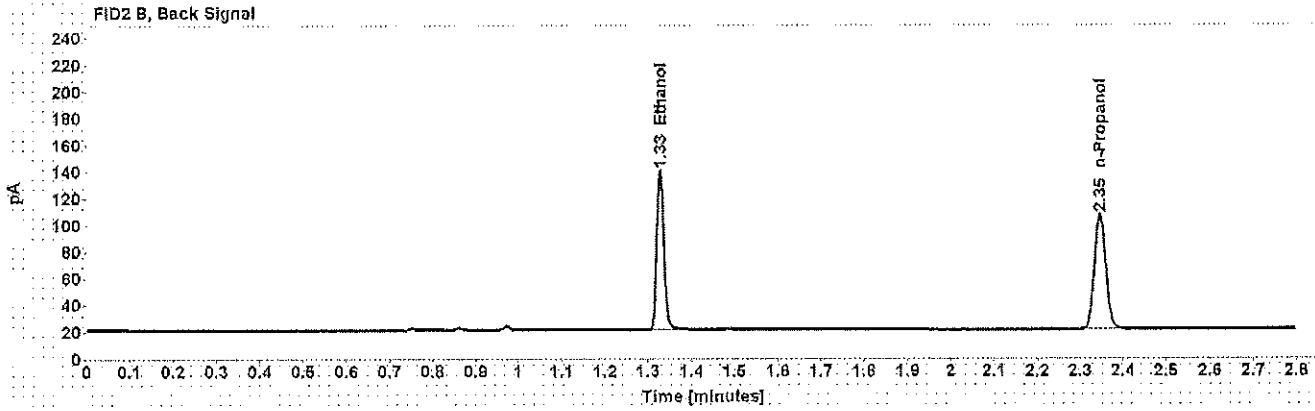
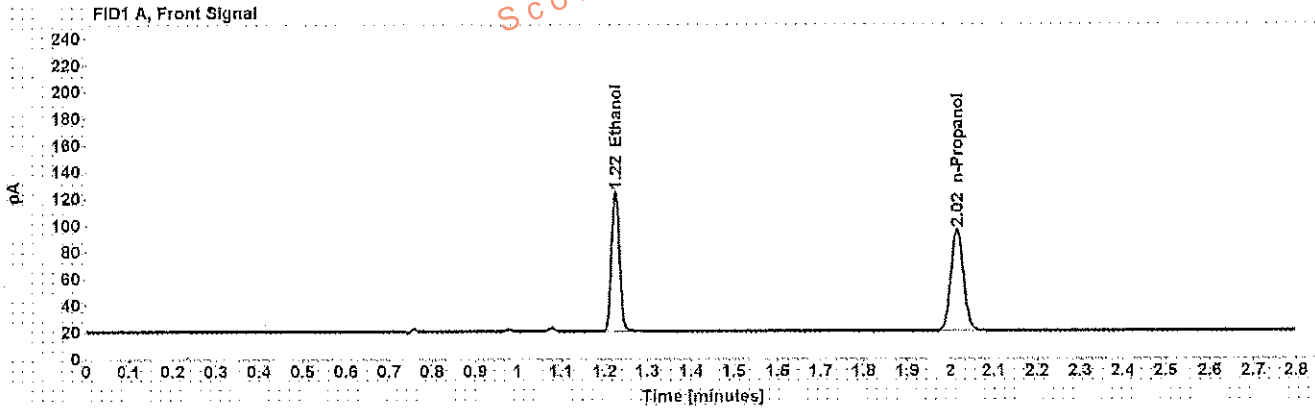


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2337	1.224	134.046
n-Propanol	-----	2.015	154.590

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

Compound	Time (min)	Peak Area
Ethanol	1.328	138.565
n-Propanol	2.346	159.374

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1137856
Injection date: 2/16/2017 1:21:33 PM	Vial: 26
Method: ethanol quant M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\16Feb17\26.D	

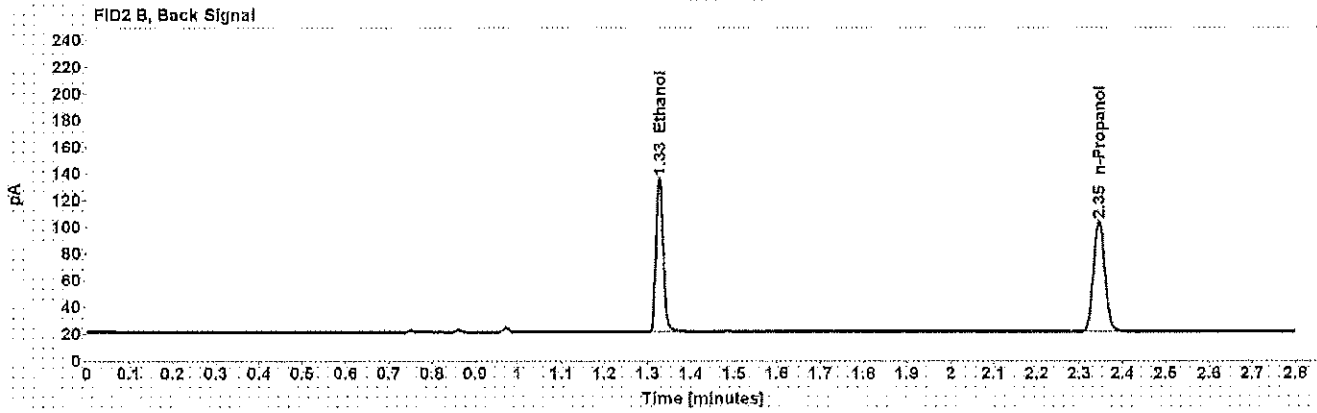
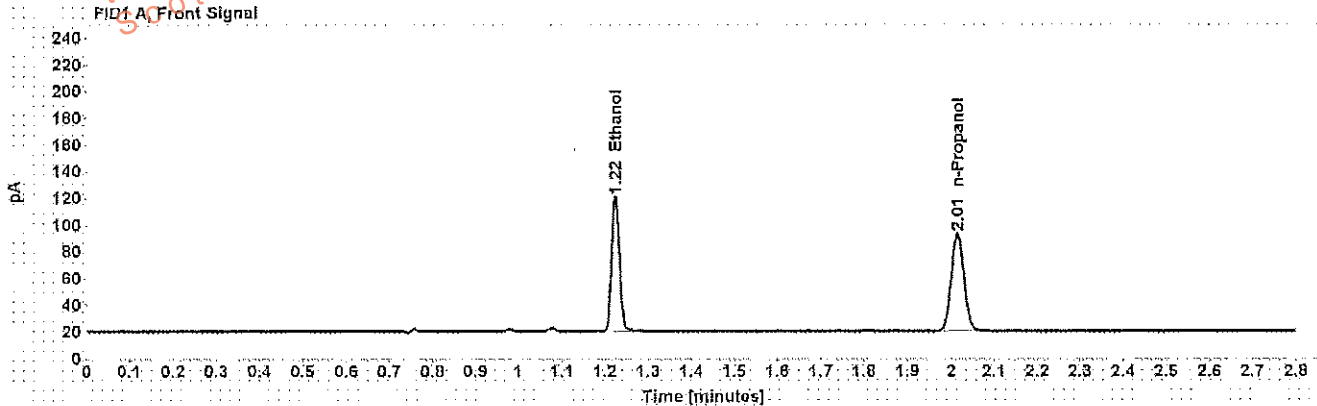


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2340	1.224	129.350
n-Propanol	-----	2.015	148.944

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

Compound	Time (min)	Peak Area
Ethanol	1.327	133.793
n-Propanol	2.345	153.590

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1137511
Injection date: 2/16/2017 1:25:35 PM	Vial: 27
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1 Data\16Feb17\27.D	

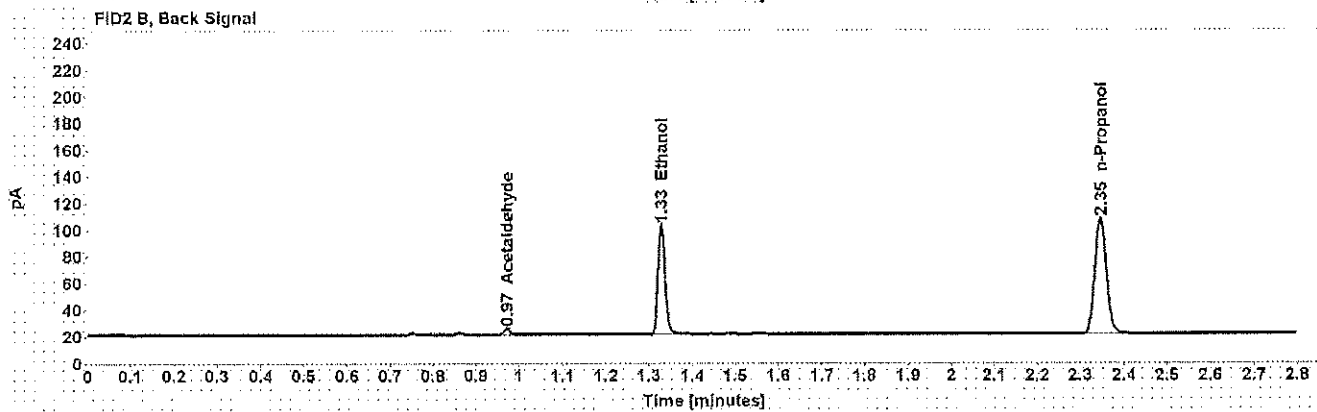
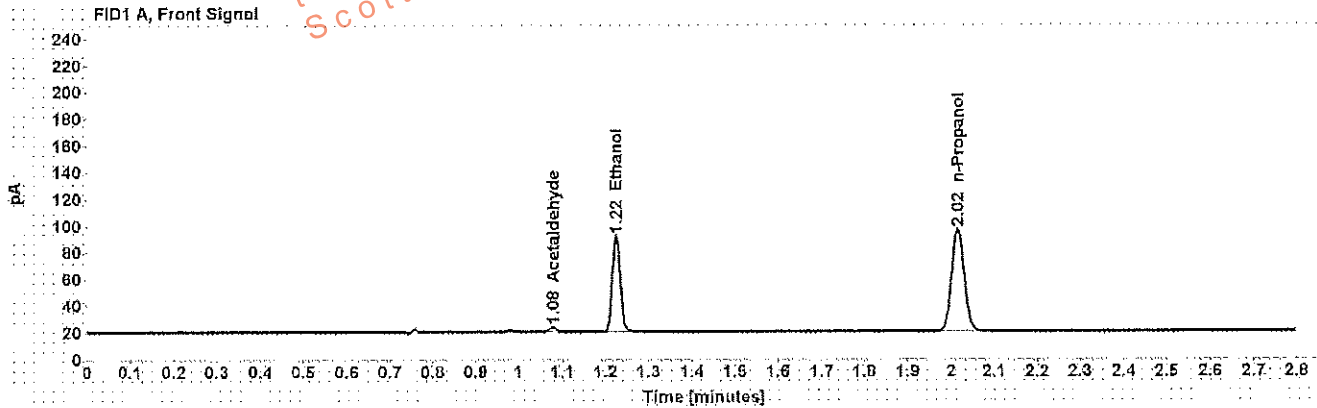


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.922
>Ethanol	0.1567	1.225	91.885
n-Propanol	-----	2.015	156.268

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.122
Ethanol	1.328	94.983
n-Propanol	2.346	161.331

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1137511
Injection date: 2/16/2017 1:29:34 PM	Vial: 28
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\28.D	

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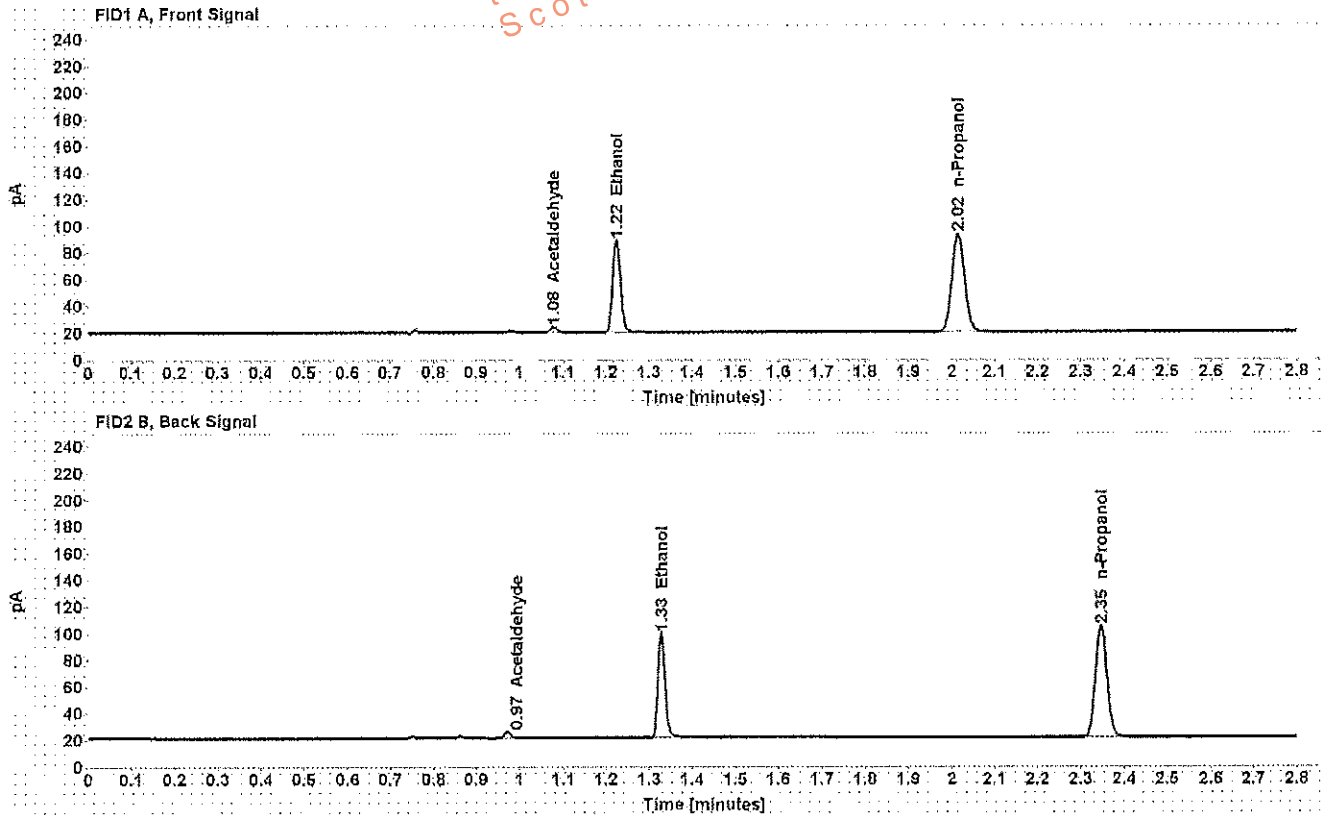


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.150
>Ethanol	0.1586	1.225	87.997
n-Propanol	-----	2.015	149.798

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.450
Ethanol	1.328	90.793
n-Propanol	2.346	154.781

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1137133
Injection date: 2/16/2017 1:33:33 PM	Vial: 29
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\29.D	

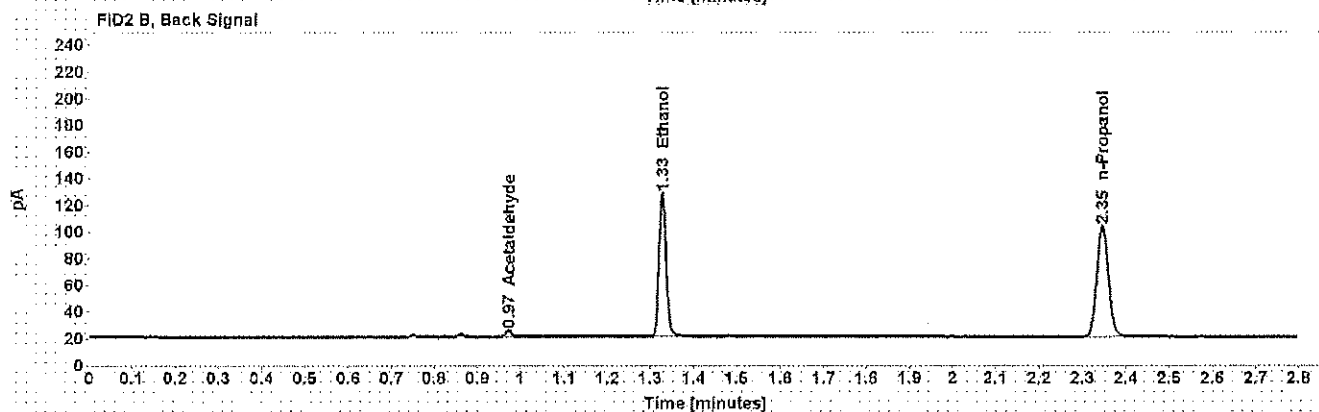
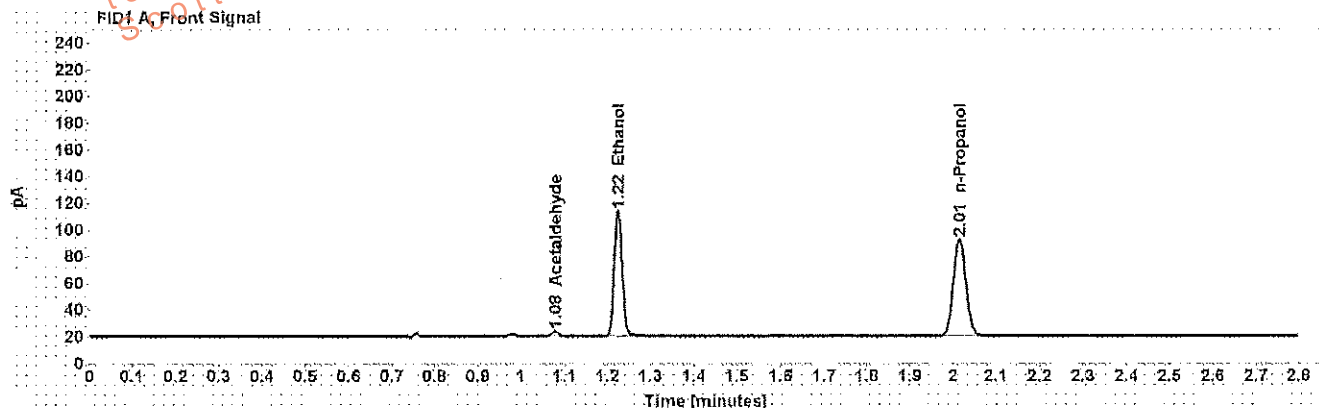


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.949
>Ethanol	0.2192	1.224	120.721
n-Propanol	-----	2.015	148.447

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.202
Ethanol	1.328	124.654
n-Propanol	2.346	153.163

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1137133
Injection date: 2/16/2017 1:37:34 PM	Vial: 30
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\30.D	

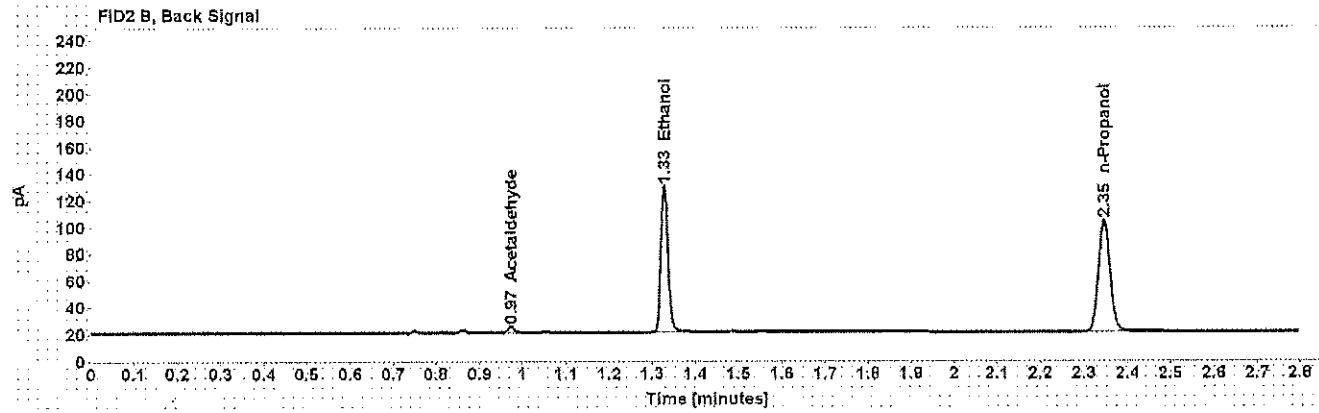
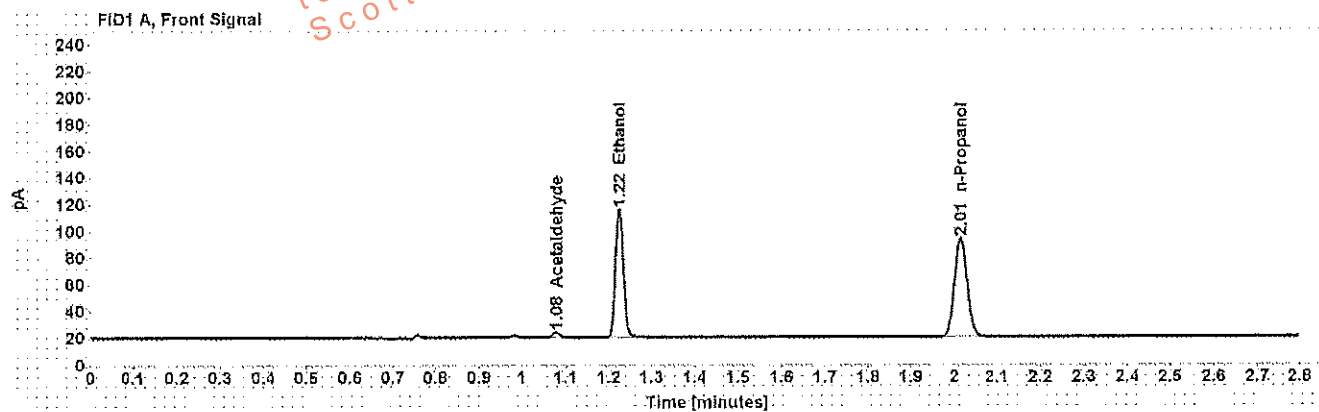


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.061
>Ethanol	0.2206	1.224	122.797
n-Propanol	-----	2.015	150.029

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.328
Ethanol	1.328	127.097
n-Propanol	2.346	154.871

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1134551
Injection date: 2/16/2017 1:45:48 PM	Vial: 32
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\32.D	

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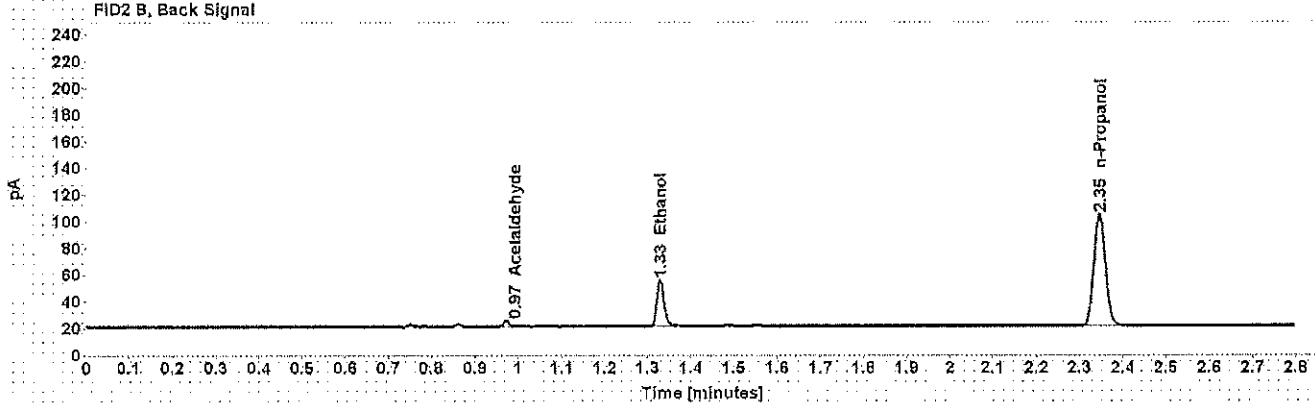
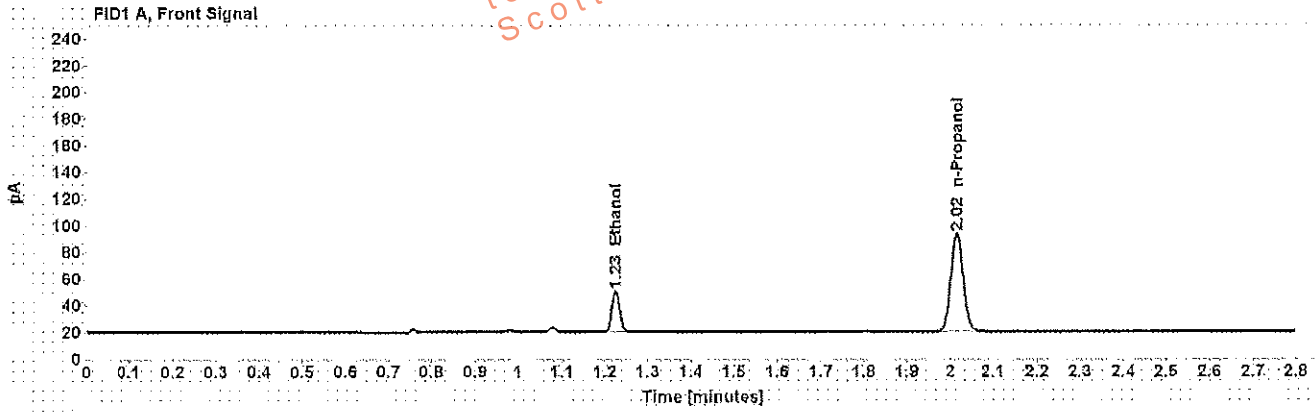


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0711	1.225	39.210
n-Propanol	-----	2.015	149.958

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.880
Ethanol	1.329	40.291
n-Propanol	2.346	154.902

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1134551
Injection date: 2/16/2017 1:49:48 PM	Vial: 33
Method: ethanol.quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\33.D	

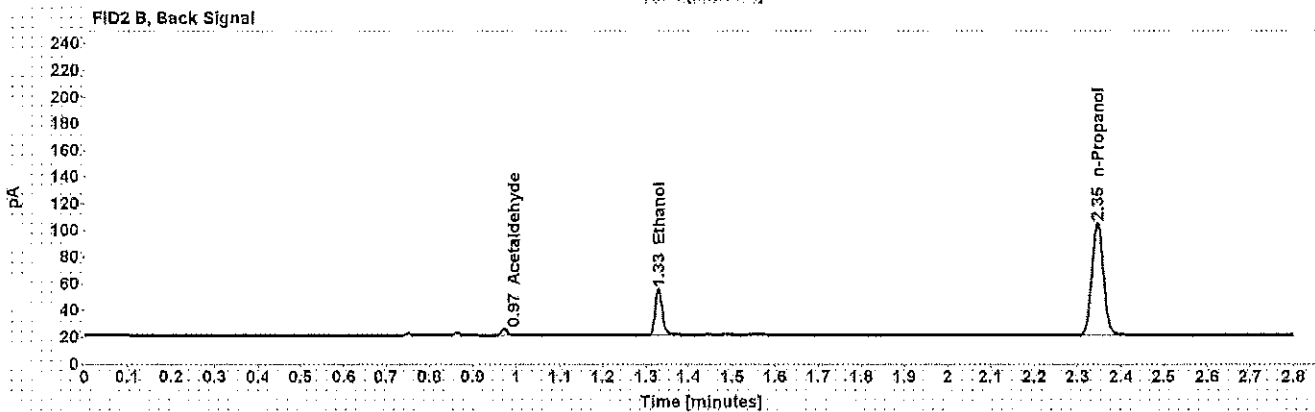
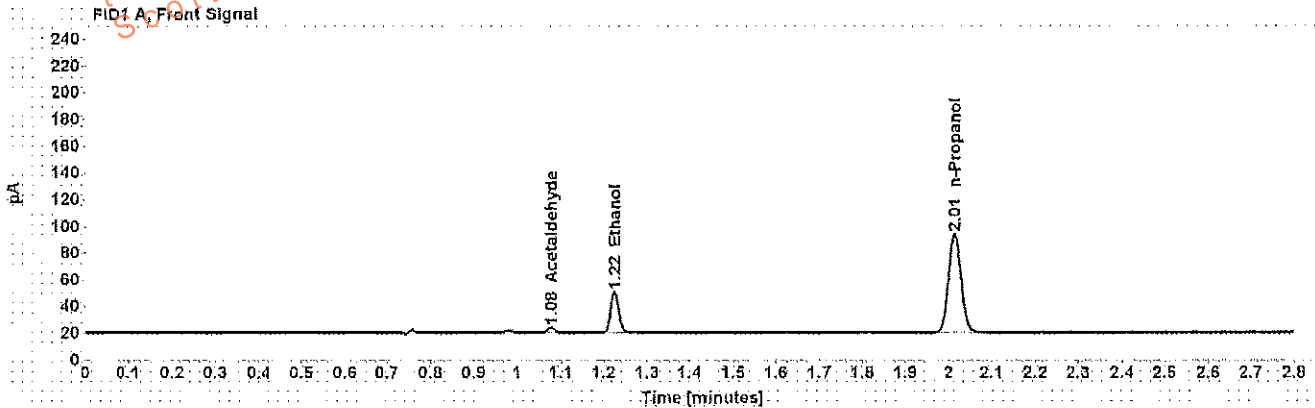


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.944
>Ethanol	0.0706	1.225	39.217
n-Propanol	-----	2.015	151.012

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.236
Ethanol	1.328	40.326
n-Propanol	2.345	156.217

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1134853
Injection date: 2/16/2017 1:53:47 PM	Vial: 34
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\34.D	

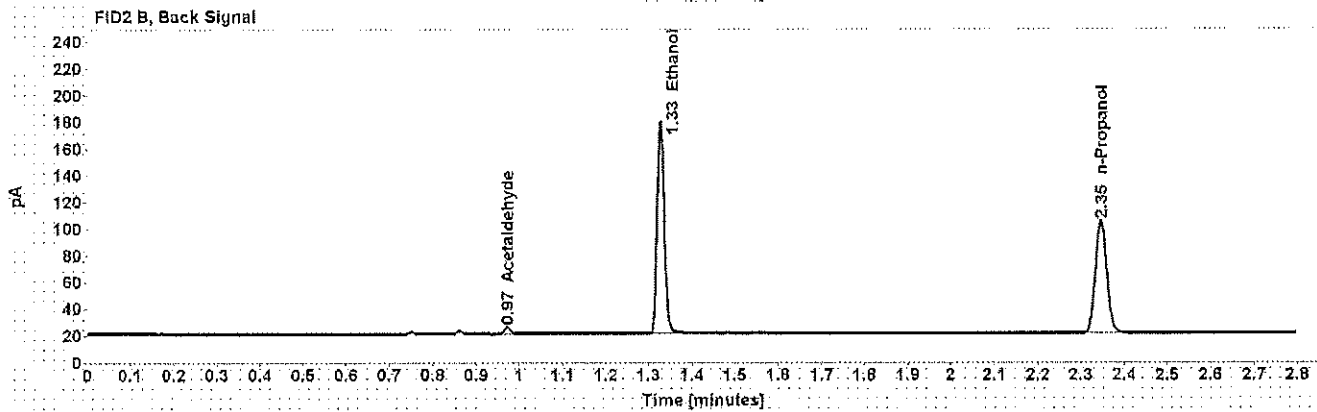
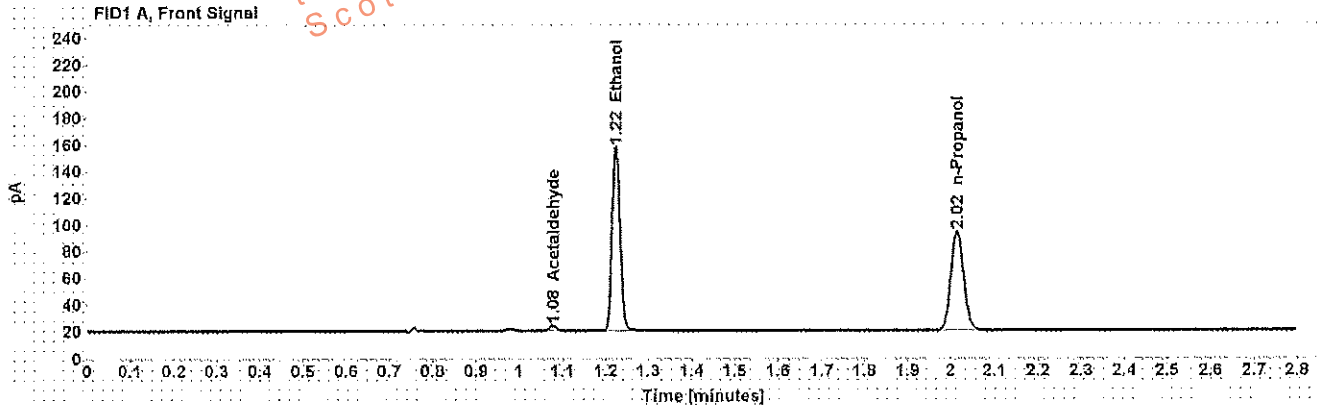


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.208
>Ethanol	0.3163	1.224	177.416
n-Propanol	-----	2.015	150.998

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.497
Ethanol	1.328	183.523
n-Propanol	2.346	155.996

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1134853
Injection date: 2/16/2017 1:57:48 PM	Vial: 35
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\35.D	

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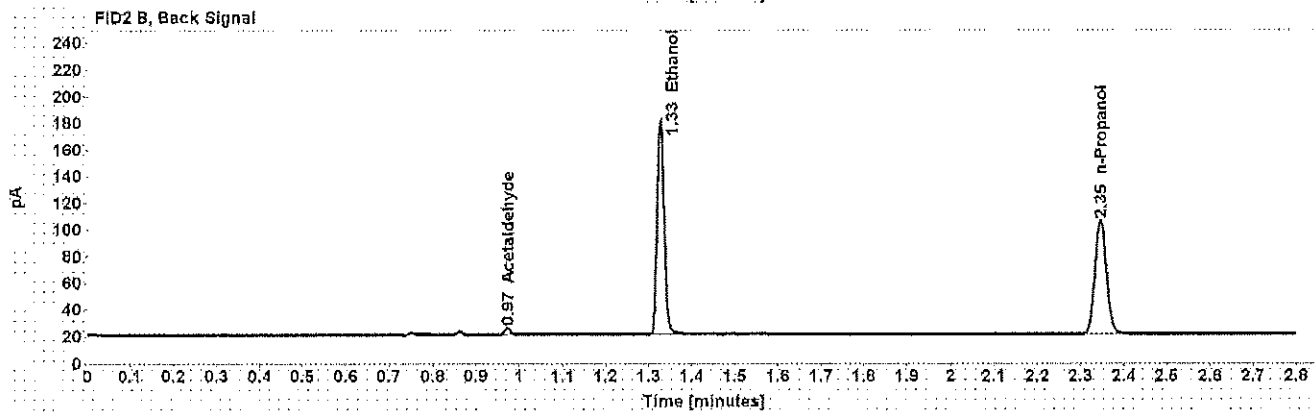
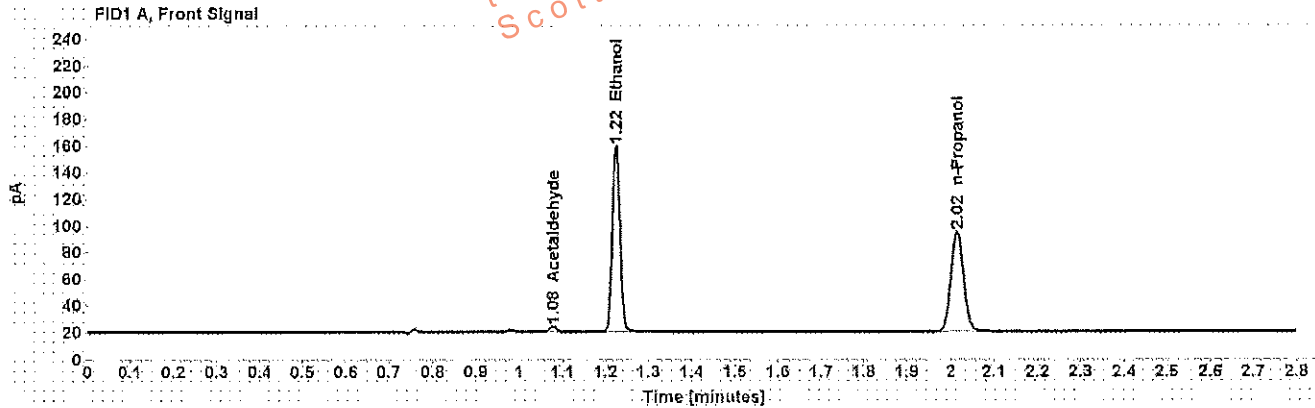


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.285
>Ethanol	0.3154	1.224	178.946
n-Propanol	-----	2.015	152.739

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.572
Ethanol	1.328	185.140
n-Propanol	2.346	157.681

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1137546
Injection date: 2/16/2017 2:01:49 PM	Vial: 36
Method: ethanol.quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\16Feb17\36.D	

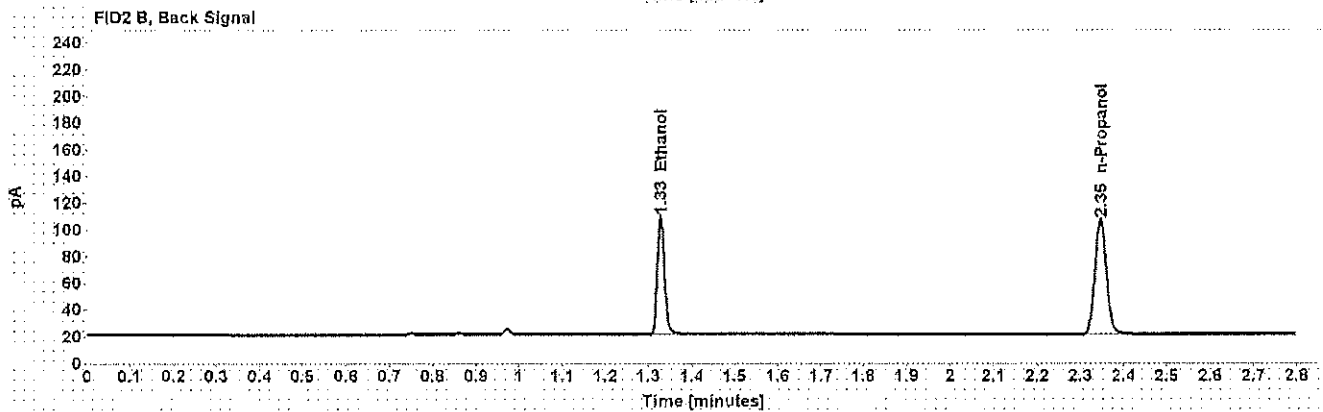
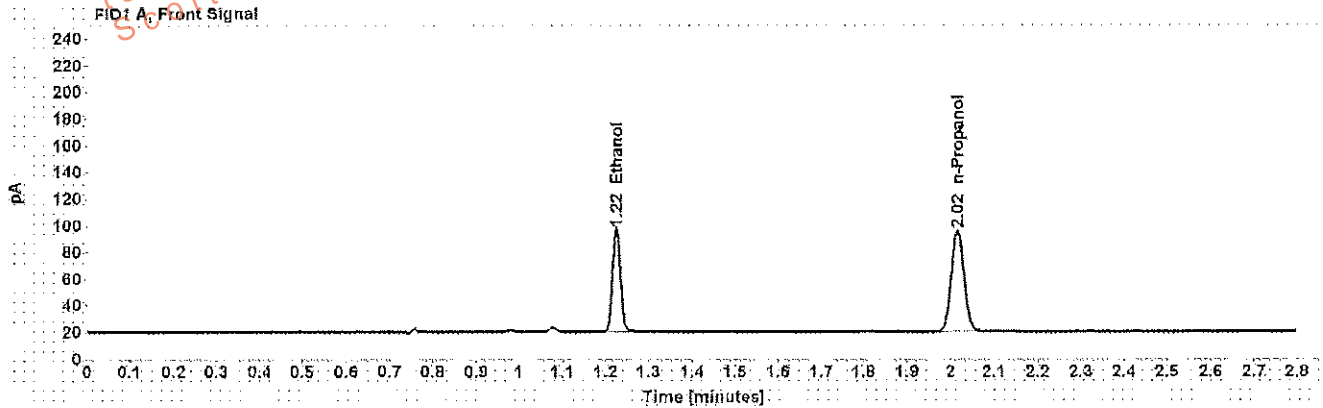


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1727	1.225	98.878
n-Propanol	-----	2.015	154.531

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

Compound	Time (min)	Peak Area
Ethanol	1.328	102.047
n-Propanol	2.346	159.690

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1137546
Injection date: 2/16/2017 2:06:02 PM	Vial: 37
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\37.D	

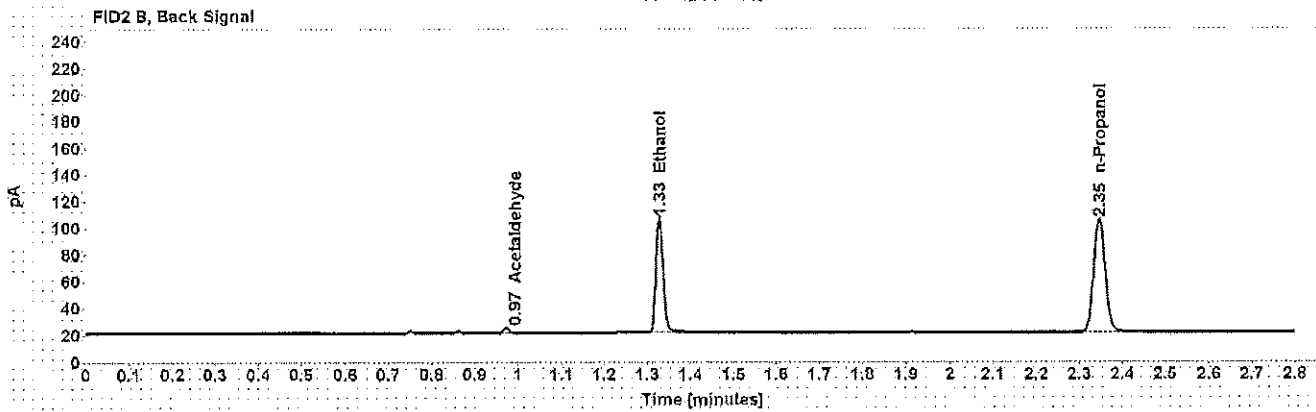
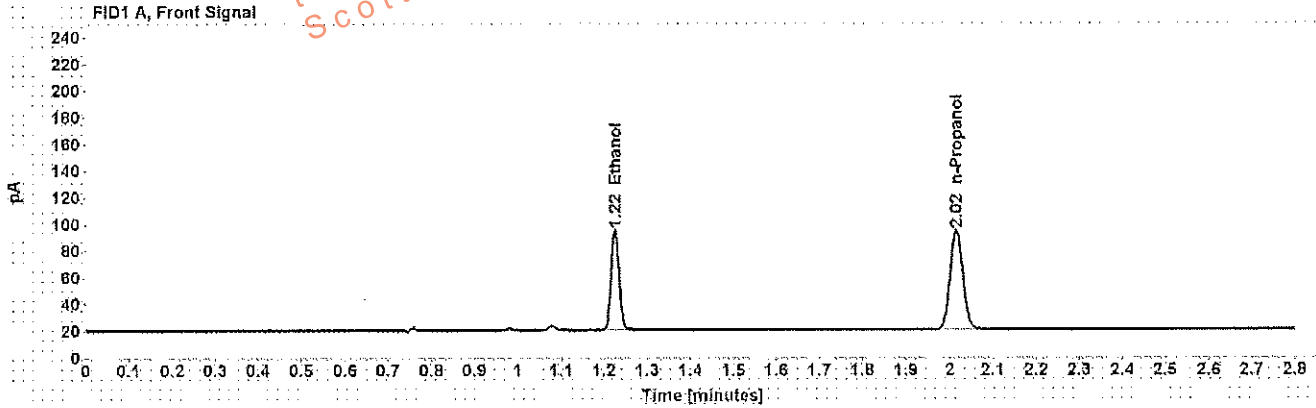


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1714	1.225	96.079
n-Propanol	-----	2.015	151.236

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.769
Ethanol	1.328	99.442
n-Propanol	2.346	156.304

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113592
Injection date: 2/16/2017 2:10:03 PM	Vial: 38
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\38.D	

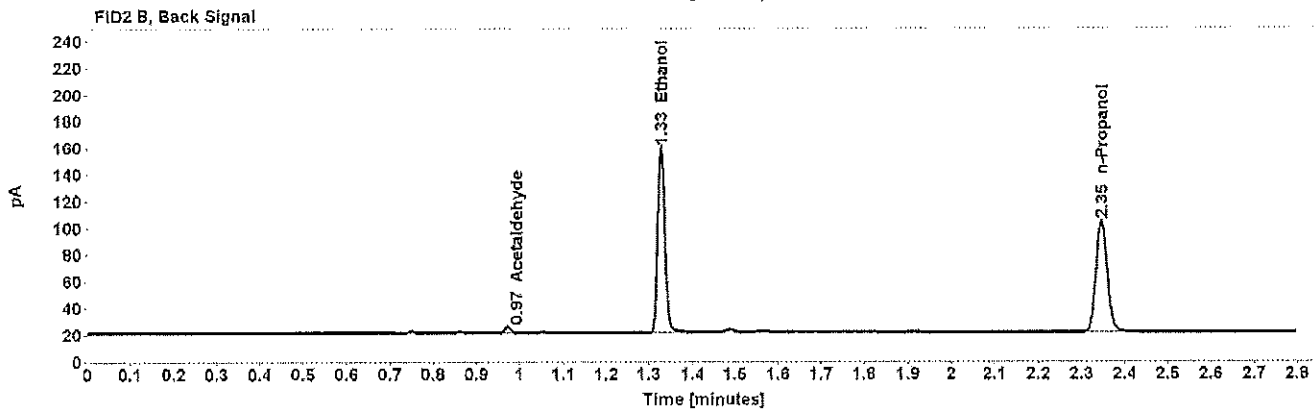
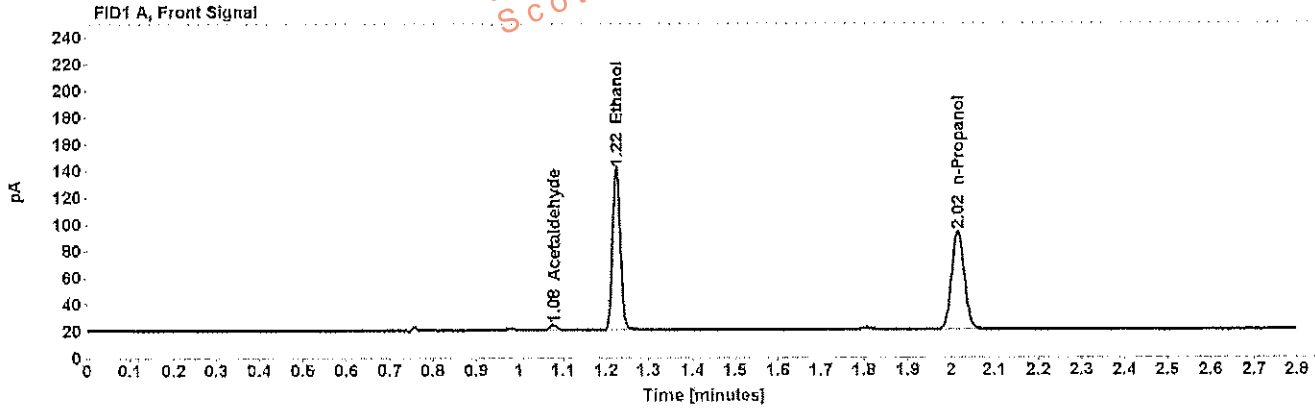


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.016
>Ethanol	0.2792	1.224	155.320
n-Propanol	-----	2.015	149.836

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.191
Ethanol	1.328	160.778
n-Propanol	2.346	154.882

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113592
Injection date: 2/16/2017 2:14:04 PM	Vial: 39
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\16Feb17\39.D	

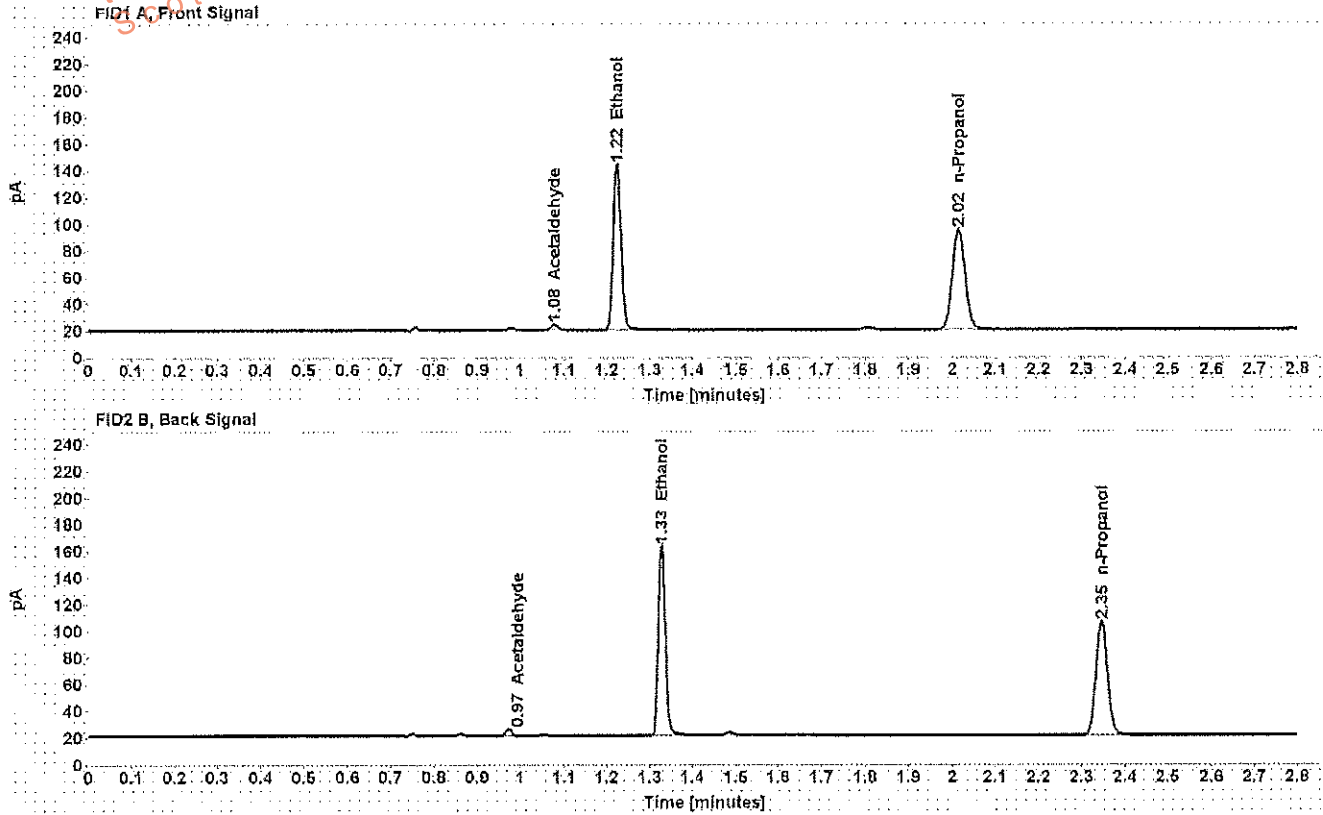


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.194
>Ethanol	0.2795	1.224	159.234
n-Propanol	-----	2.015	153.428

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.511
Ethanol	1.328	164.955
n-Propanol	2.346	158.674

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1099822
Injection date: 2/16/2017 2:18:03 PM	Vial: 40
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
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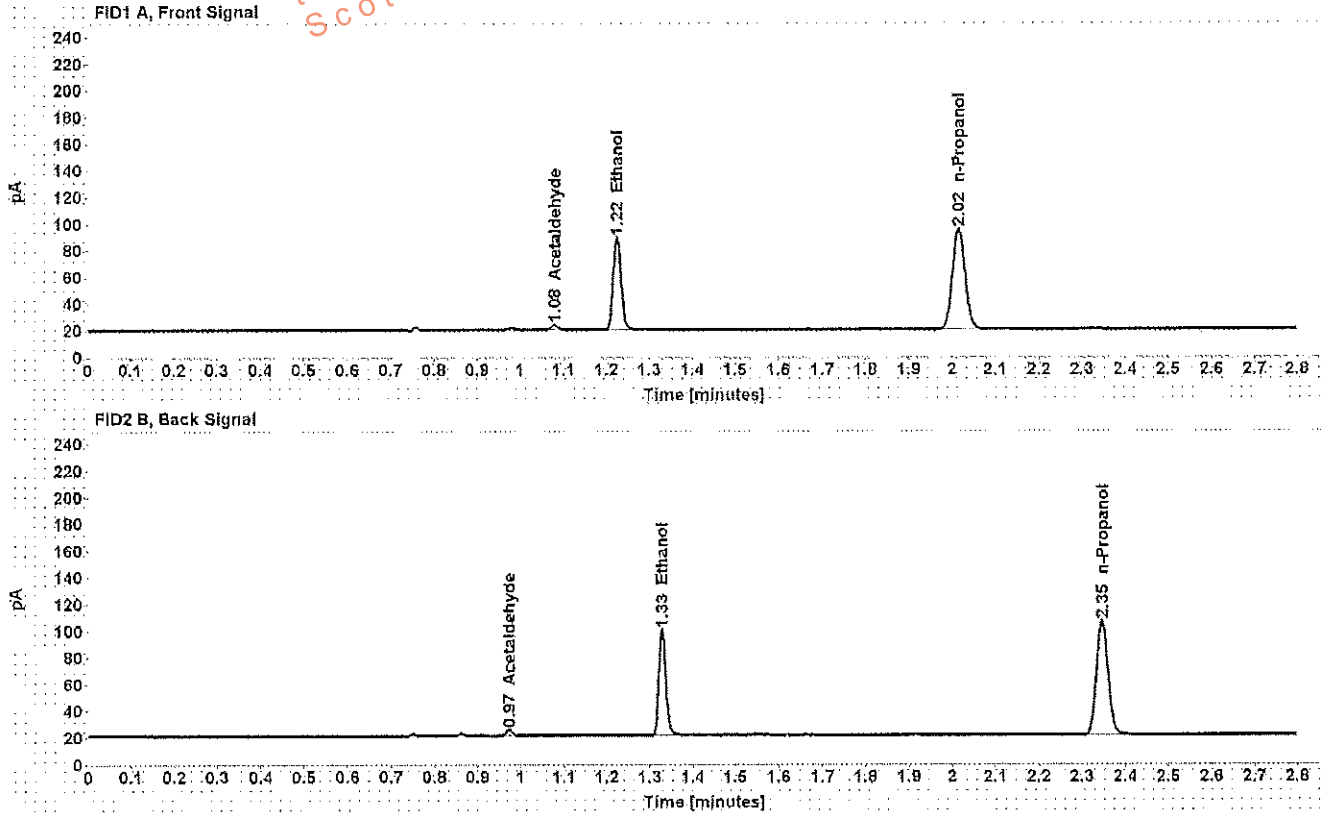


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.860
>Ethanol	0.1558	1.225	88.560
n-Propanol	-----	2.015	153.500

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.137
Ethanol	1.328	91.659
n-Propanol	2.346	159.227

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1099822
Injection date: 2/16/2017 2:22:05 PM	Vial: 41
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\41.D	

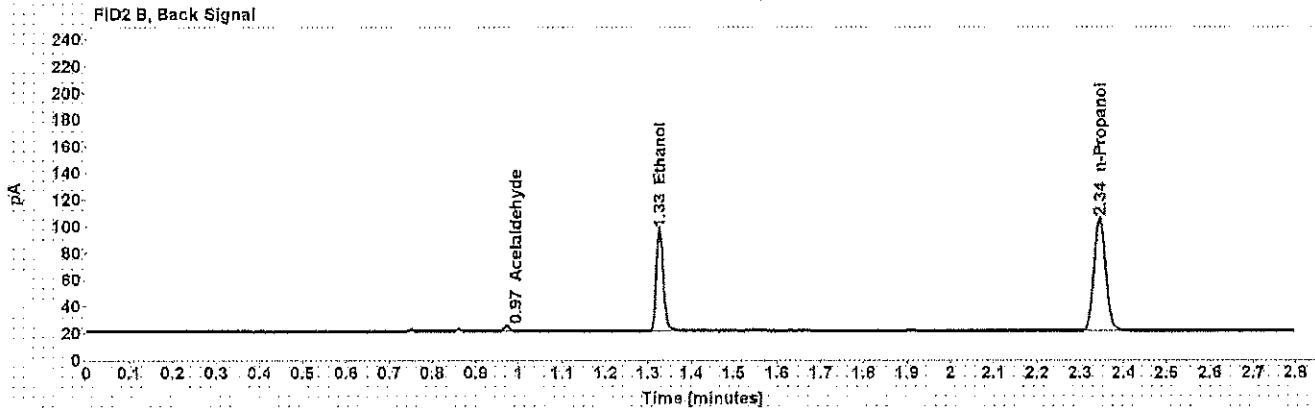
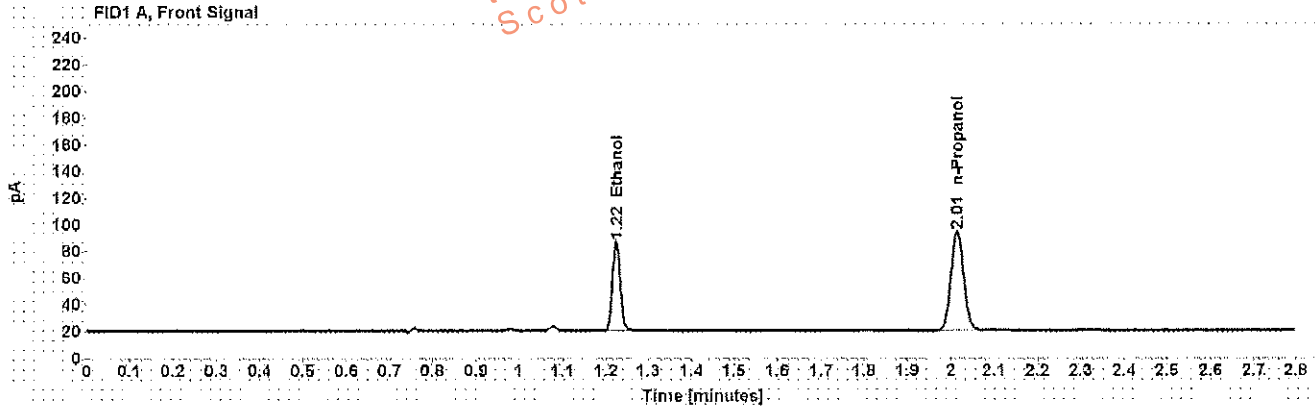


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1528	1.224	85.622
n-Propanol	-----	2.014	151.262

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	3.887
Ethanol	1.327	88.385
n-Propanol	2.345	156.764

Case: [REDACTED] User: wadrian 2/16/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1138681
Injection date:	2/16/2017 2:30:19 PM	Vial:	43
Method:	ethanol quant.M	Sequence:	16Feb17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem321\Data\16Feb17\43.D		

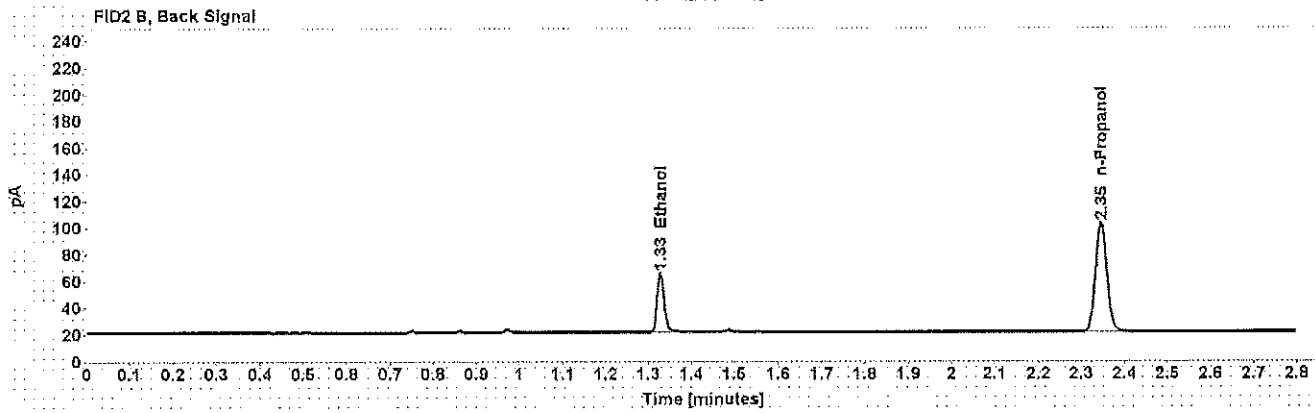
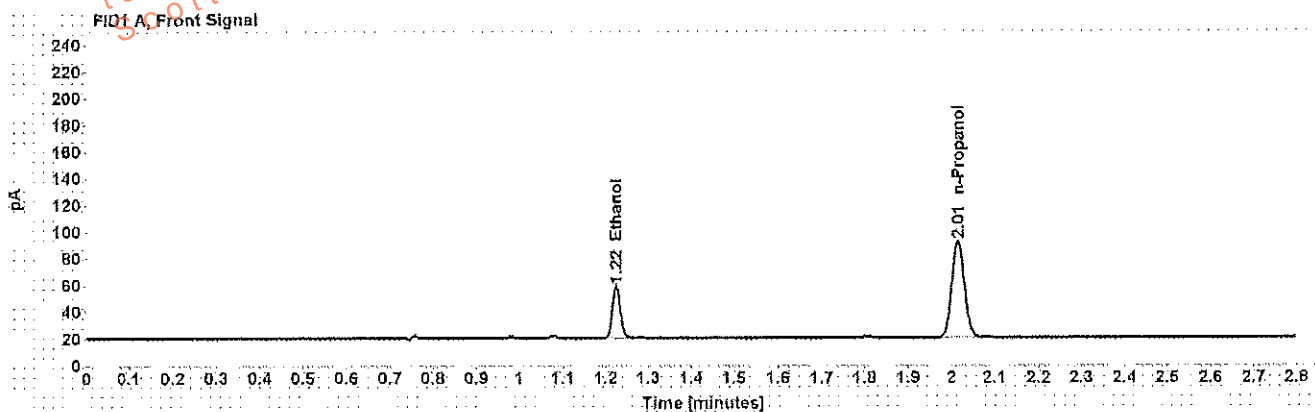


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0924	1.225	50.080
n-Propanol	-----	2.015	146.978

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

Compound	Time (min)	Peak Area
Ethanol	1.328	51.738
n-Propanol	2.345	151.666

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1138681
Injection date: 2/16/2017 2:34:19 PM	Vial: 44
Method: ethanol quant.M	Sequence: 16Feb17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\16Feb17\44.D	

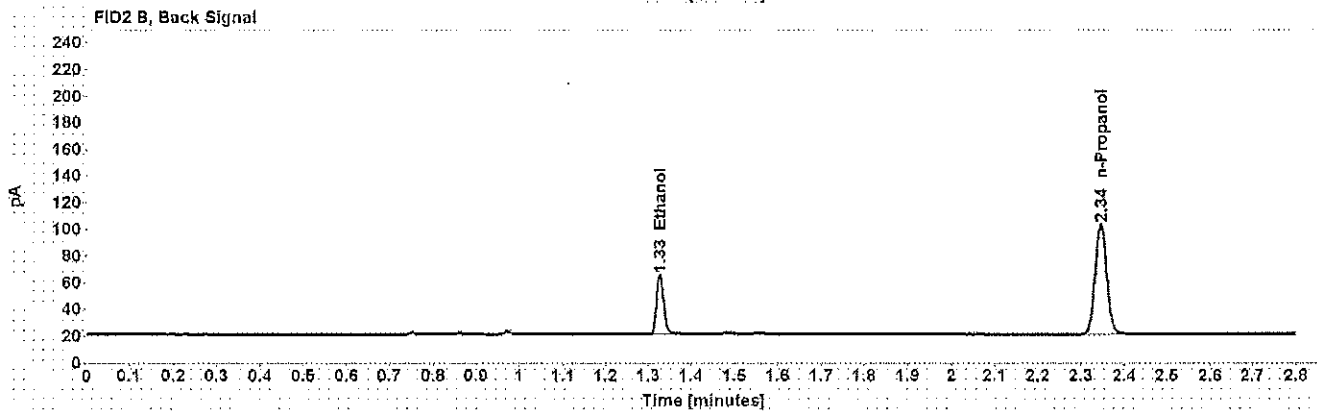
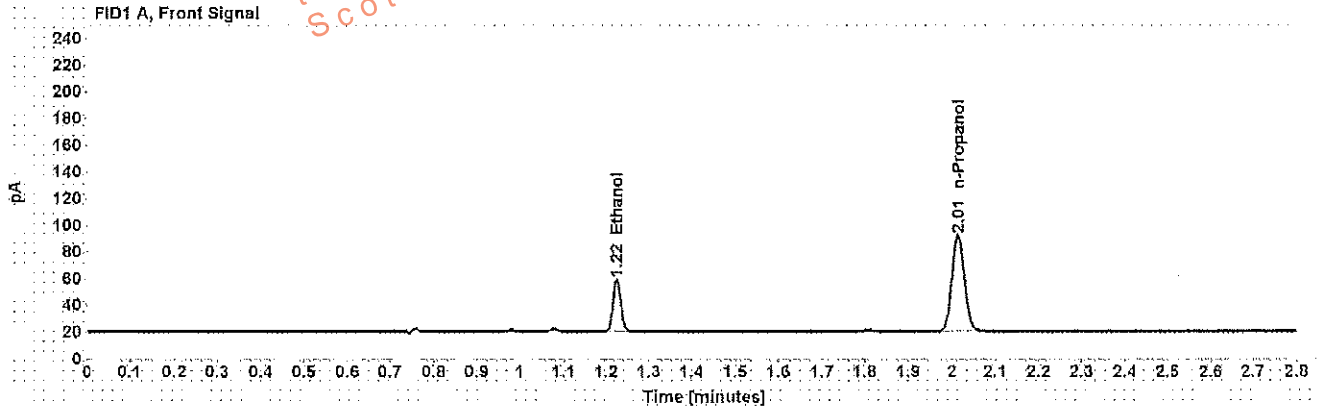


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0924	1.224	50.267
n-Propanol	-----	2.014	147.437

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

Compound	Time (min)	Peak Area
Ethanol	1.327	51.830
n-Propanol	2.345	152.271