

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 04/04/17 SEQUENCE NAME 04Apr17

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

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

CALIBRATION VERIFICATION AND RESOLUTION TEST

<u>Vial</u>	<u>Sample</u>	<u>Expected result</u>	<u>Measured result</u>	<u>Manufacturer/lot</u>
5	Blank	Not detected	Not detected	SPD lab 012517
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917 WLA
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
9	Blood control	0.200 g/dL	0.201 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 28082014-B
31	Aqueous control	0.400 g/dL	0.409 g/dL	Lipomed 08012015-C
32	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
33	Blood control	0.200 g/dL	0.202 g/dL	ACQ 407041529/3
34	Blank	Not detected	Not detected	SPD lab 012517

SUBJECT SAMPLES

Subjects in the sequence 10 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid KOSECKI 4/5/17 Analyst
 Run valid Run invalid Barnes, B/466 4/5/17 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

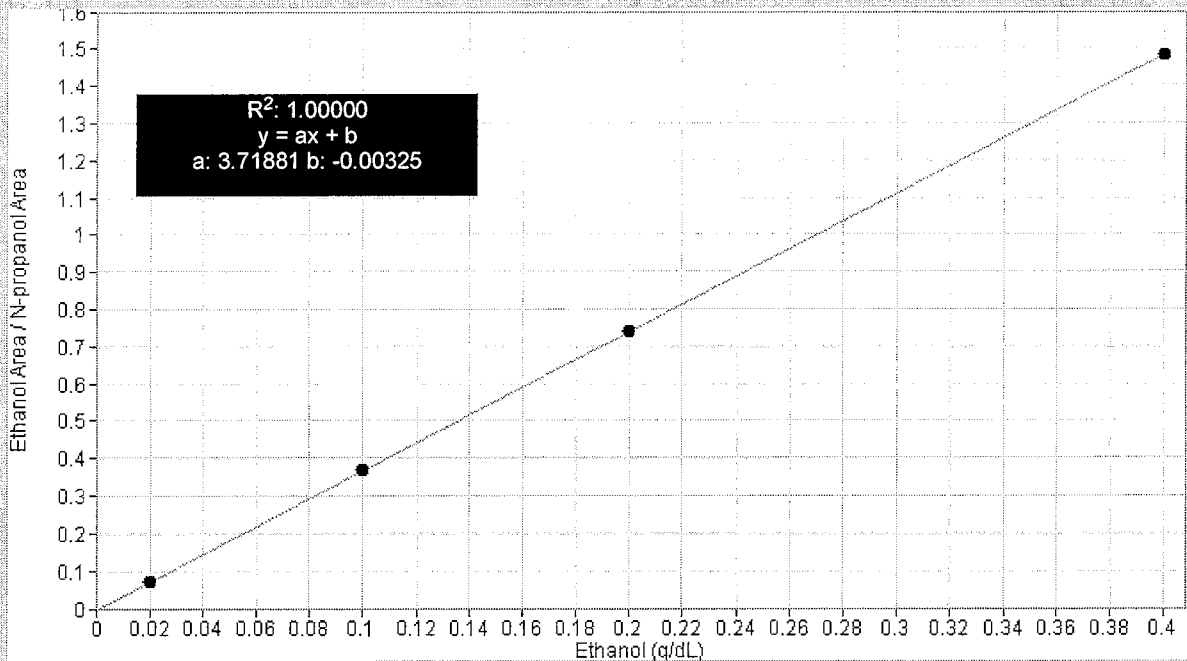
SEQUENCE NAME: 04Apr17

ANALYST: Kosecki *AK*

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	0.400	0.400	0.25	0.001
0.040 Lipomed 09022015-A	8	0.040	0.040	0.00	0.000
0.20 ACQ 407041529/3	9	0.201	0.200	0.50	0.001
0.080 Lipomed 28082014-B	20	0.080	0.080	0.00	0.000
0.40 Lipomed 08012015-C	31	0.409	0.400	2.25	0.009
0.04 Lipomed 09022015-A	32	0.040	0.040	0.00	0.000
0.20 ACQ 407041529/3	33	0.202	0.200	1.00	0.002
blank 012517	34	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.145	154.329	0.072
0.100	56.907	154.685	0.368
0.200	113.964	154.094	0.740
0.400	233.109	156.988	1.485

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 4/4/2017 5:16:40 PM	Vial: 1
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\1\Data\04Apr17\1.D	

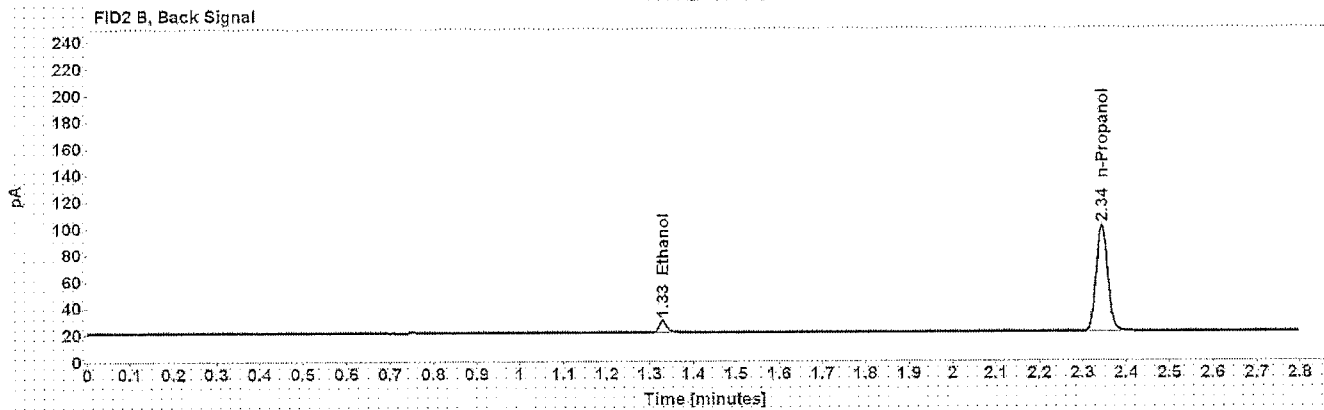
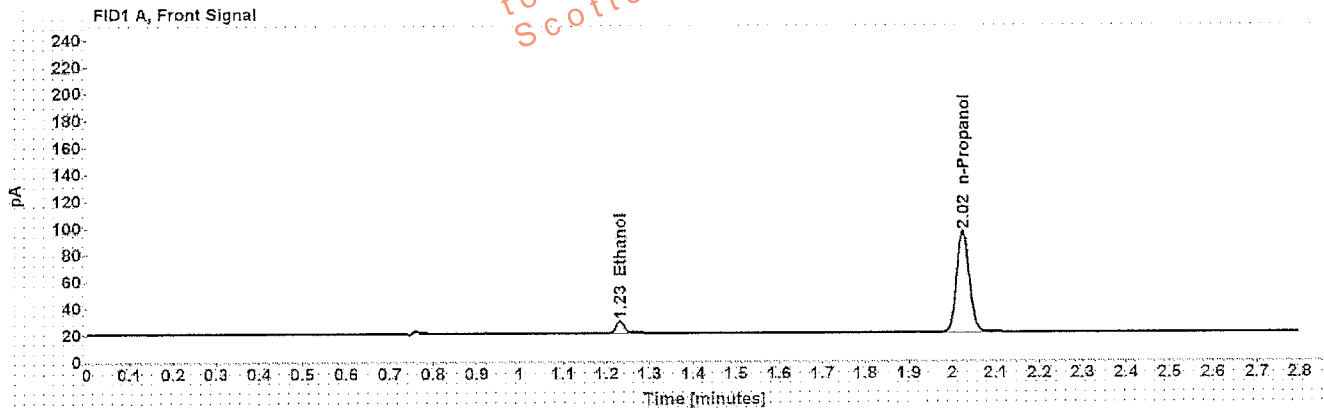


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.231	11.145
n-Propanol	2.024	154.329

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

Compound	Time (min)	Peak Area
Ethanol	1.329	10.540
n-Propanol	2.344	149.099

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 Cerilliant FN06181501	Item number:
Injection date: 4/4/2017 5:20:40 PM	Vial: 2
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki <i>K</i>
Data file: C:\Chem32\11\Data\04Apr17\2.D	

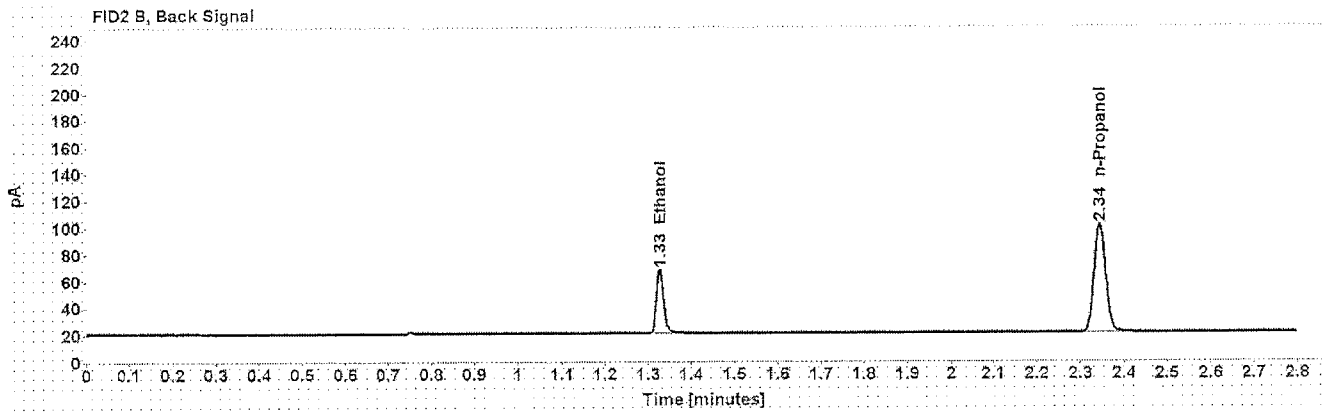
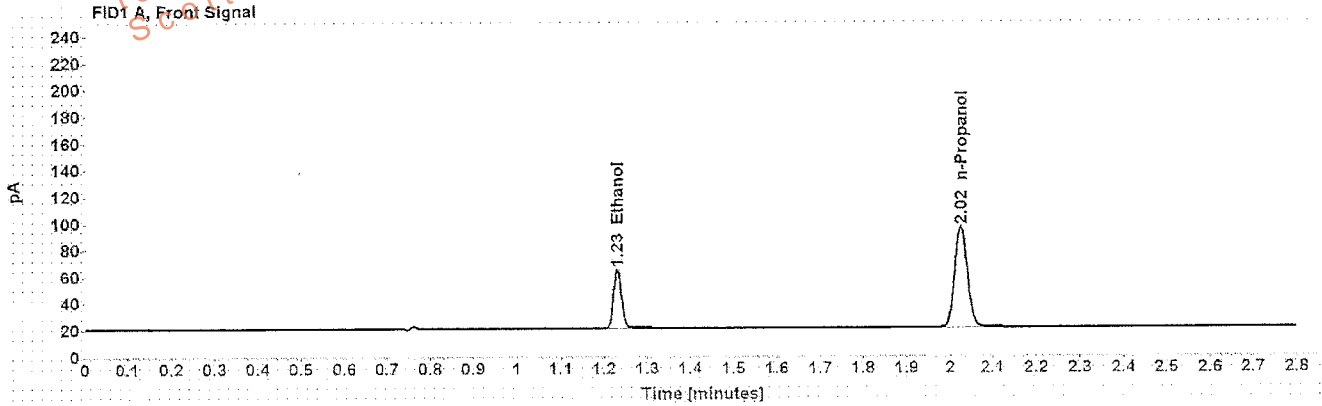


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.230	56.907
n-Propanol	2.025	154.685

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

Compound	Time (min)	Peak Area
Ethanol	1.327	54.970
n-Propanol	2.344	149.435

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.200 Cerilliant FN07201502	Item number: 3
Injection date: 4/4/2017 5:24:41 PM	Vial: 3
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\1\Data\04Apr17\3.D	

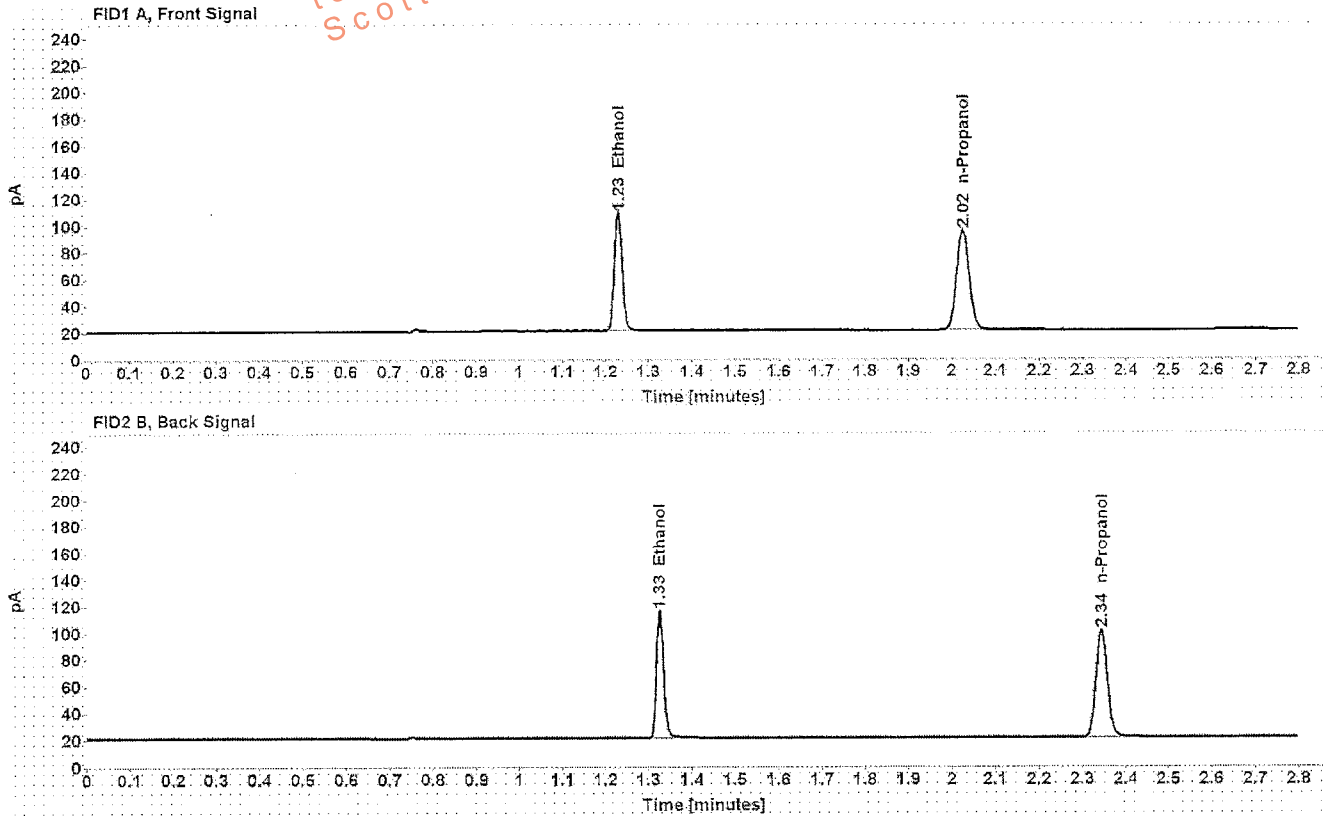


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.230	113.964
n-Propanol	2.024	154.094

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

Compound	Time (min)	Peak Area
Ethanol	1.326	110.652
n-Propanol	2.344	148.864

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 4/4/2017 5:28:40 PM	Vial: 4
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\1\Data\04Apr17\14.D	

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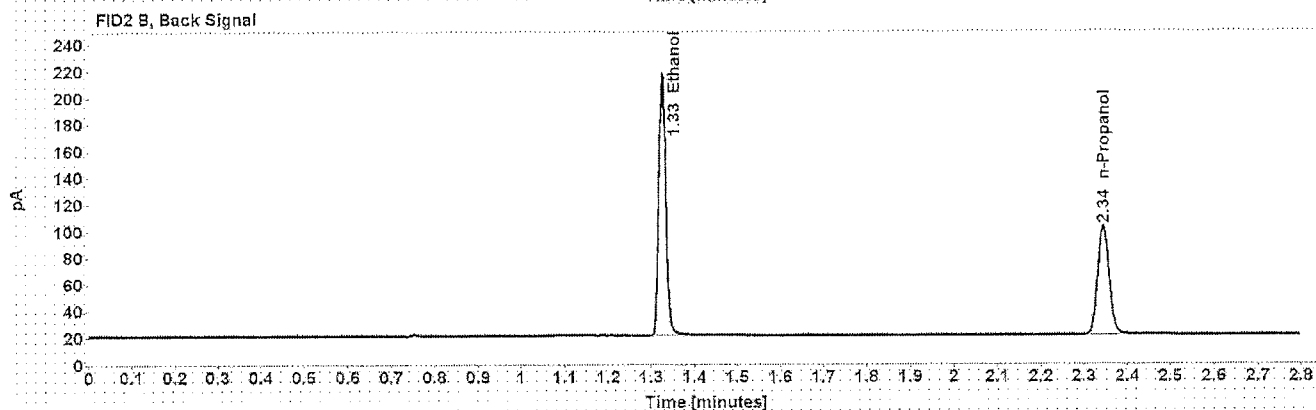
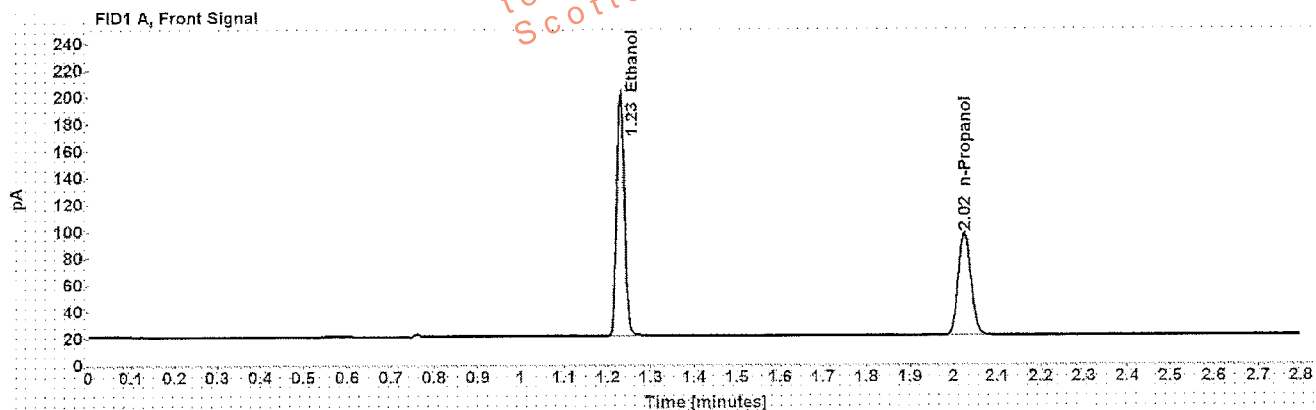


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.229	233.109
n-Propanol	2.025	156.988

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

Compound	Time (min)	Peak Area
Ethanol	1.326	226.994
n-Propanol	2.344	151.608

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 012517	Item number:
Injection date: 4/4/2017 5:32:40 PM	Vial: 5
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\11\Data\04Apr17\5.D	

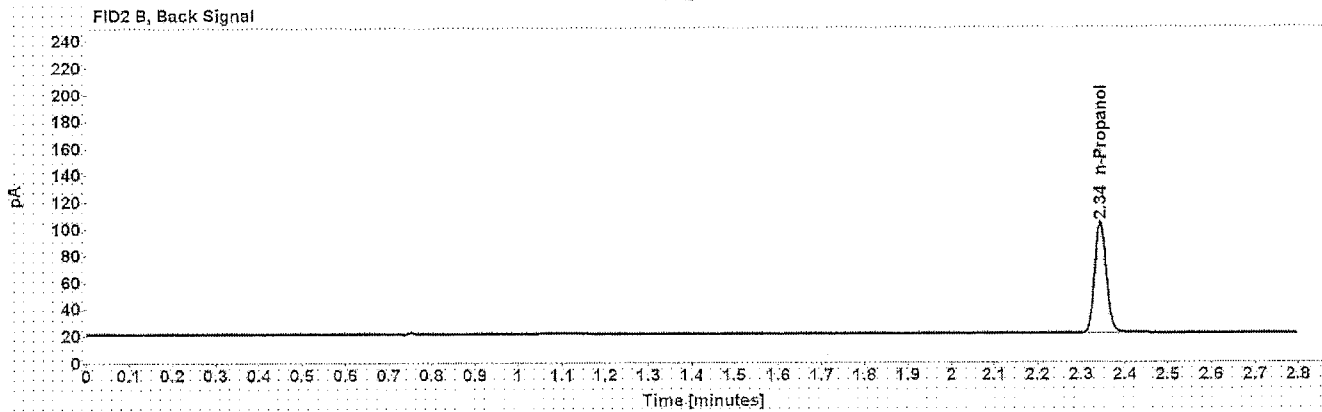
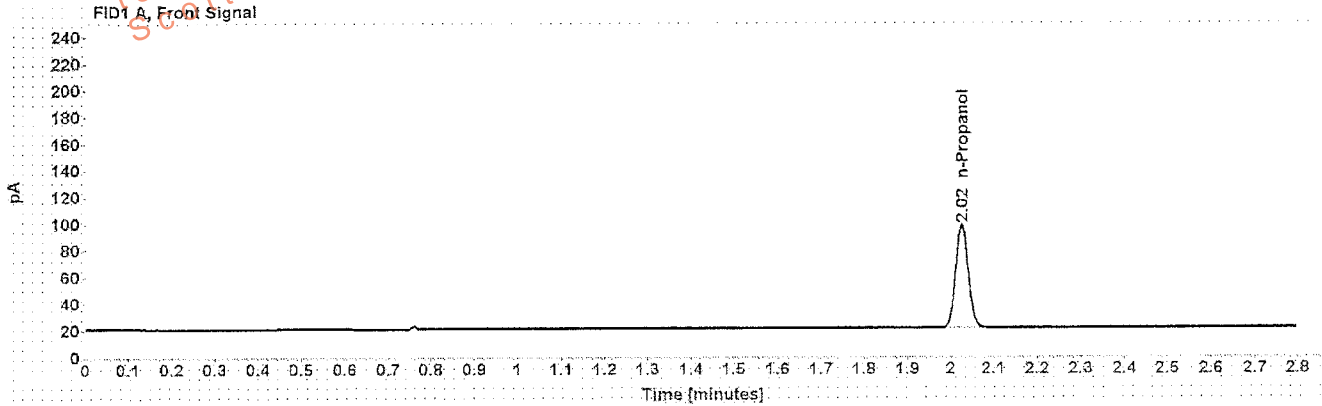


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.025	159.063

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	153.809

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 020917 WLA	Item number: 6
Injection date: 4/4/2017 5:36:40 PM	Vial: 6
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki <i>PK</i>
Data file: C:\Chem3211\Data\04Apr17\6.D	

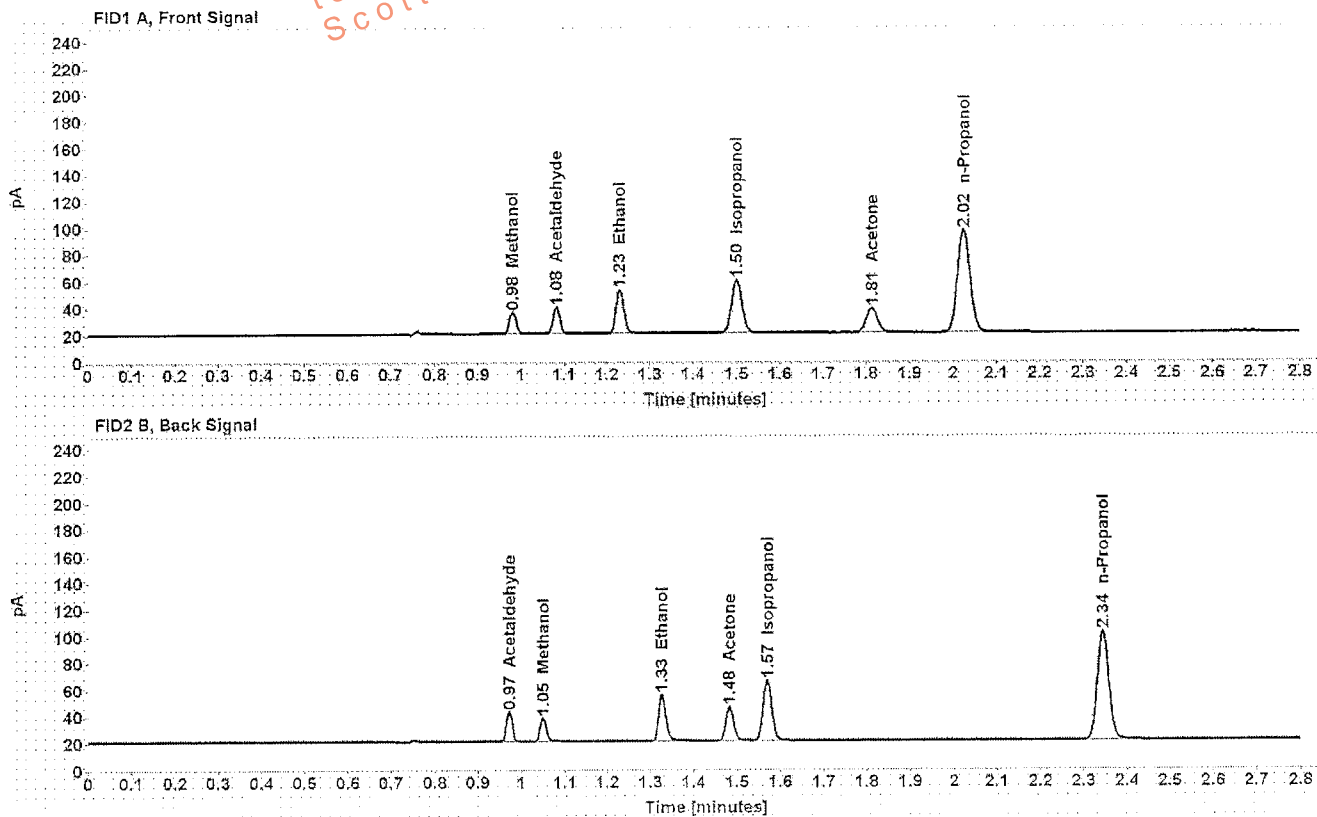


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.981	18.442
Acetaldehyde	-----	1.083	21.933
>Ethanol	0.0732	1.230	42.149
Isopropanol	-----	1.501	65.229
Acetone	-----	1.813	33.156
n-Propanol	-----	2.024	156.715

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	21.958
Methanol	1.049	17.908
Ethanol	1.327	40.663
Acetone	1.482	32.087
Isopropanol	1.569	63.842
n-Propanol	2.344	151.722

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Lipomed 08012015-C	Item number:
Injection date: 4/4/2017 5:40:55 PM	Vial: 7
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki <i>K</i>
Data file: C:\Chem32\1\Data\04Apr17\7.D	

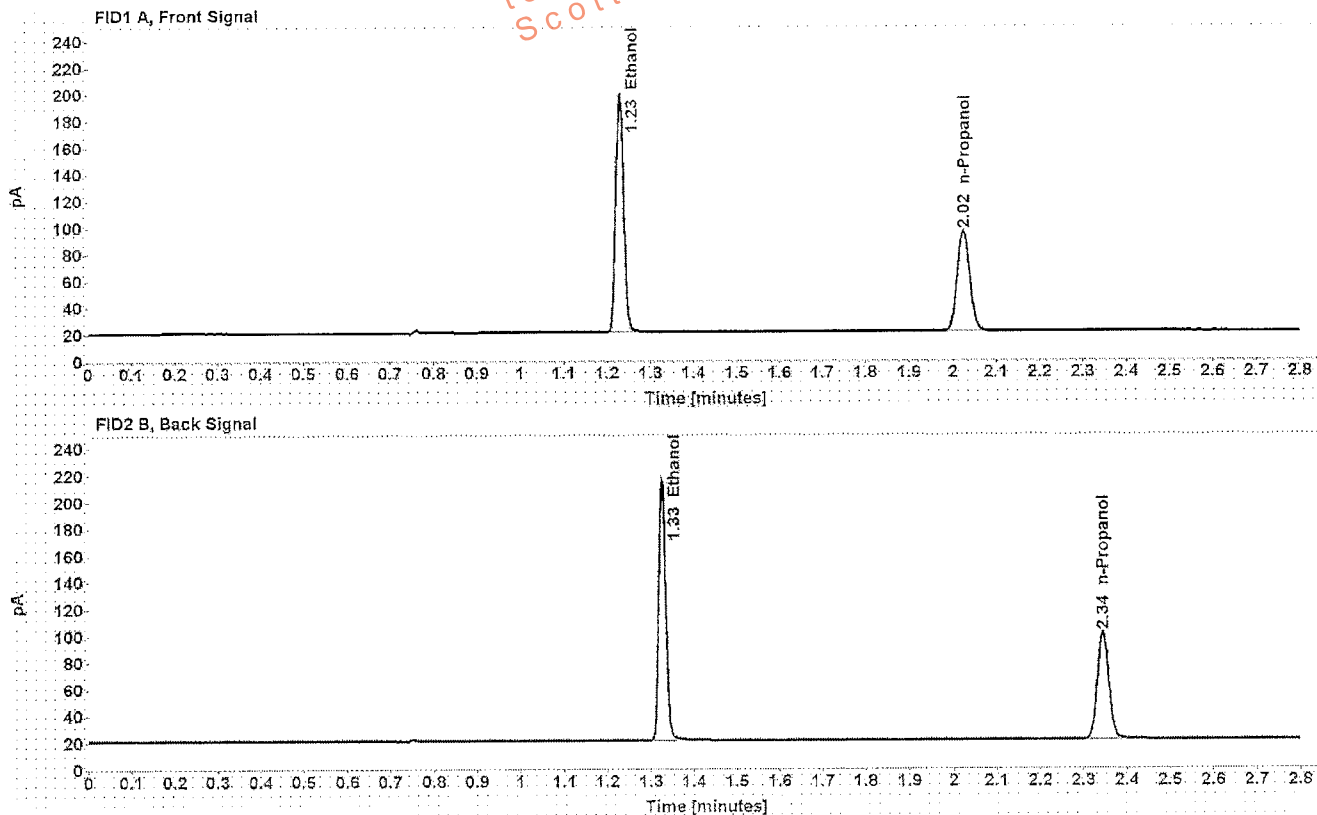


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4019	1.229	229.969
n-Propanol	-----	2.025	154.209

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

Compound	Time (min)	Peak Area
Ethanol	1.325	223.794
n-Propanol	2.344	148.777

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 09022015-A	Item number:
Injection date: 4/4/2017 5:44:55 PM	Vial: 8
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\1\Data\04Apr17\8.D	

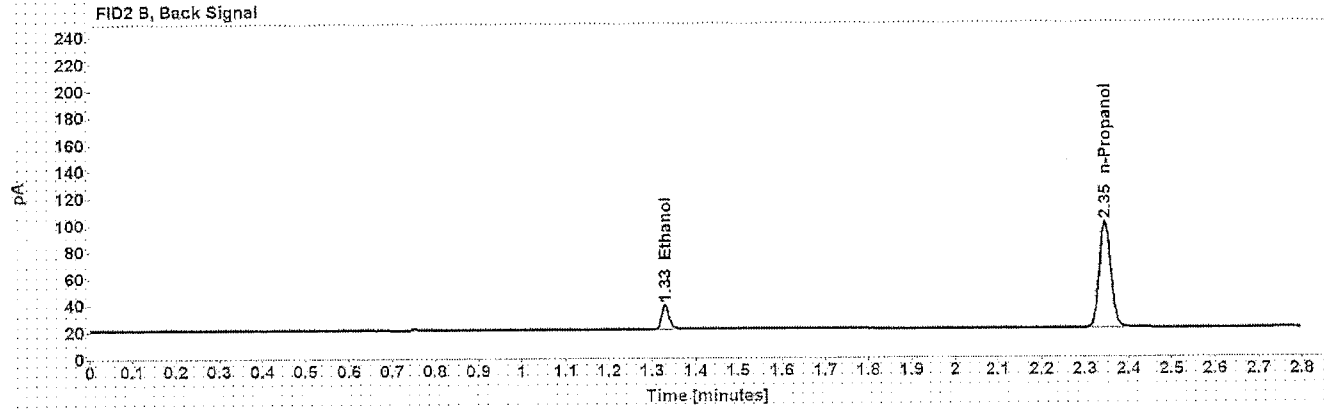
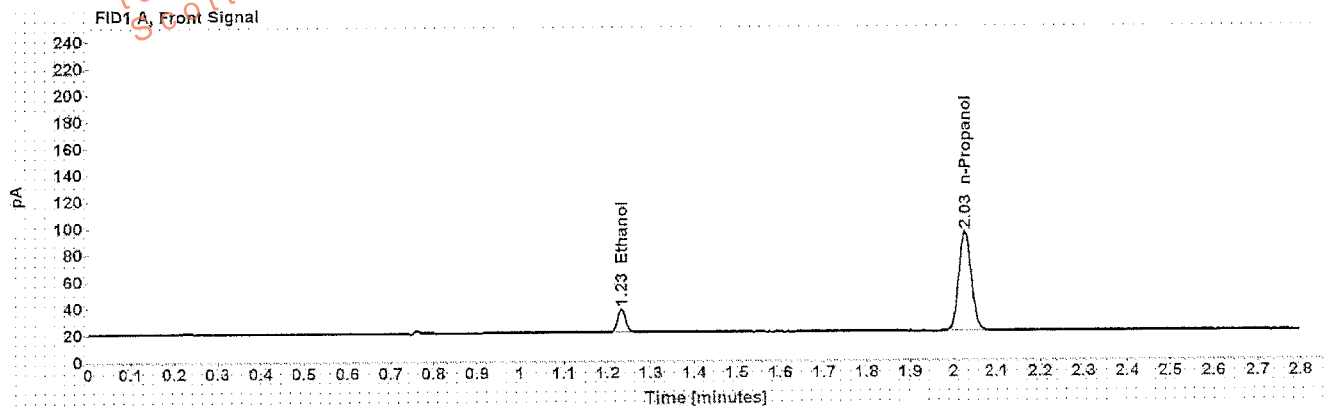


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0400	1.232	22.291
n-Propanol	-----	2.025	153.029

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

Compound	Time (min)	Peak Area
Ethanol	1.329	21.380
n-Propanol	2.345	148.227

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 4/4/2017 5:48:54 PM	Vial: 9
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki K
Data file: C:\Chem32\11\Data\04Apr17\9.D	

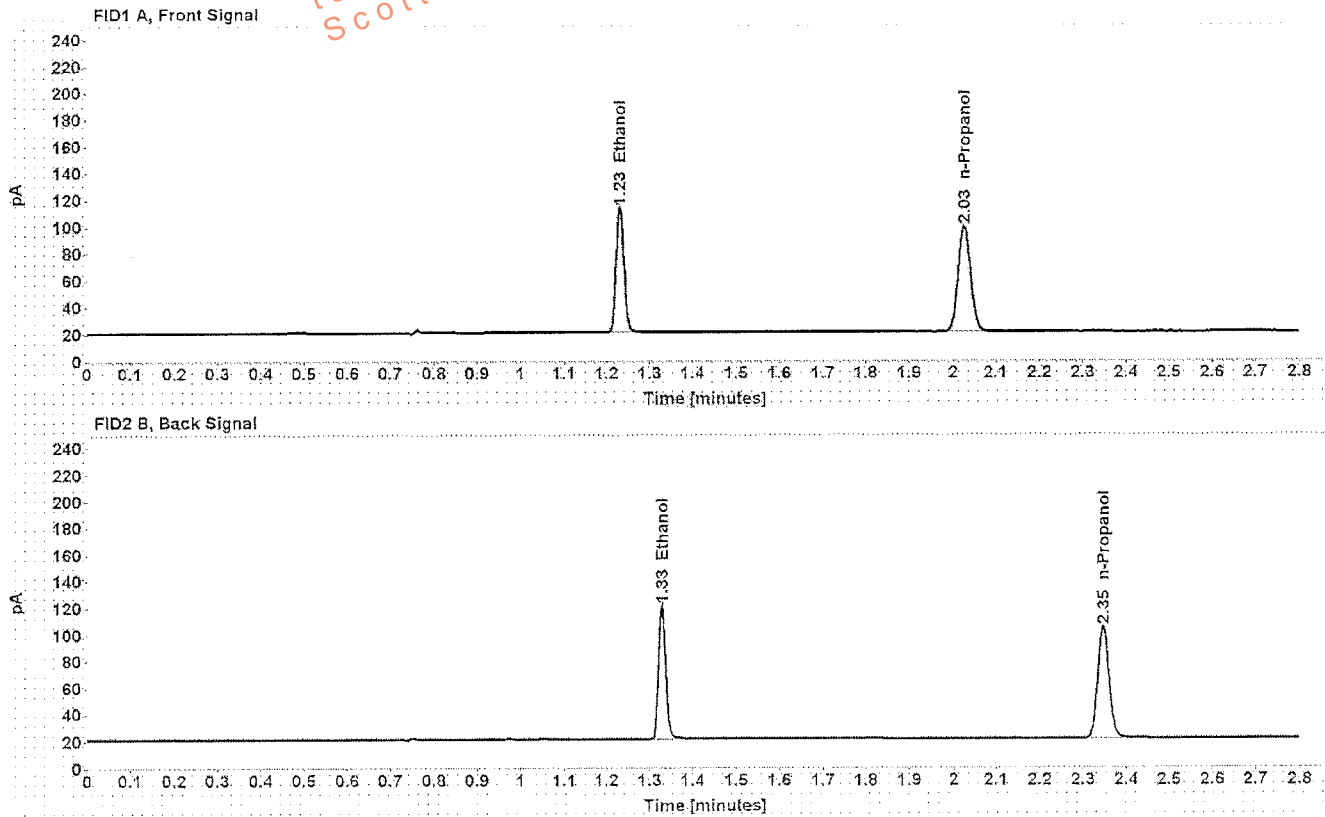


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2010	1.231	119.708
n-Propanol	-----	2.026	160.841

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

Compound	Time (min)	Peak Area
Ethanol	1.328	116.271
n-Propanol	2.346	155.710

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.080 Lipomed 28082014-B	Item number:
Injection date: 4/4/2017 6:33:25 PM	Vial: 20
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki AK
Data file: C:\Chem3211\Data\04Apr17\20.D	

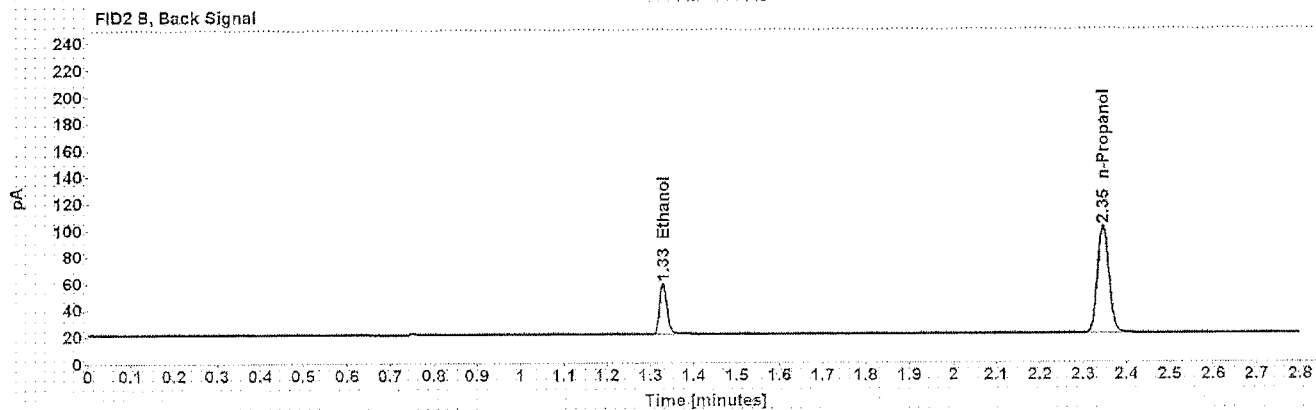
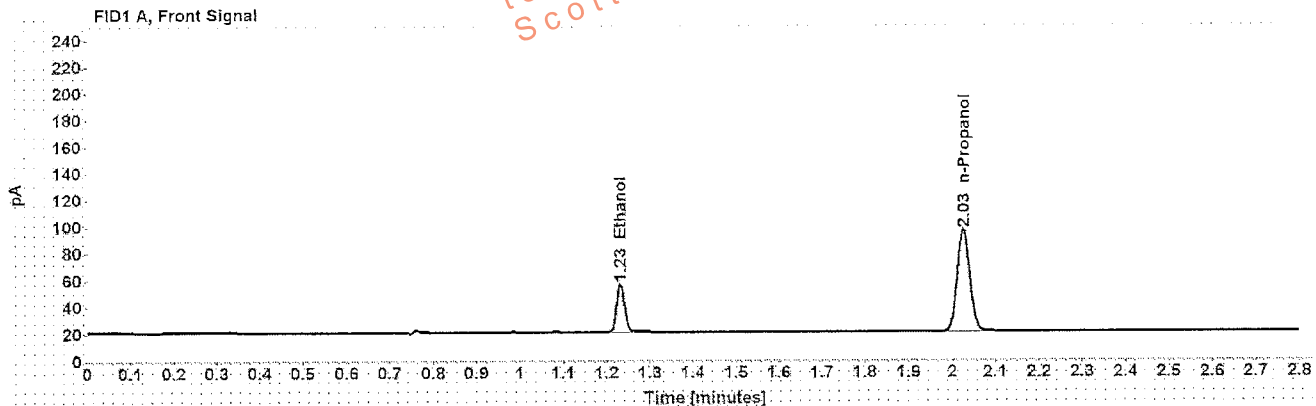


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0808	1.231	45.920
n-Propanol	-----	2.026	154.517

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

Compound	Time (min)	Peak Area
Ethanol	1.329	44.274
n-Propanol	2.346	149.937

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 08012015-C	Item number:
Injection date: 4/4/2017 7:17:55 PM	Vial: 31
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki <i>K</i>
Data file: C:\Chem32\11\Data\04Apr17\31.D	

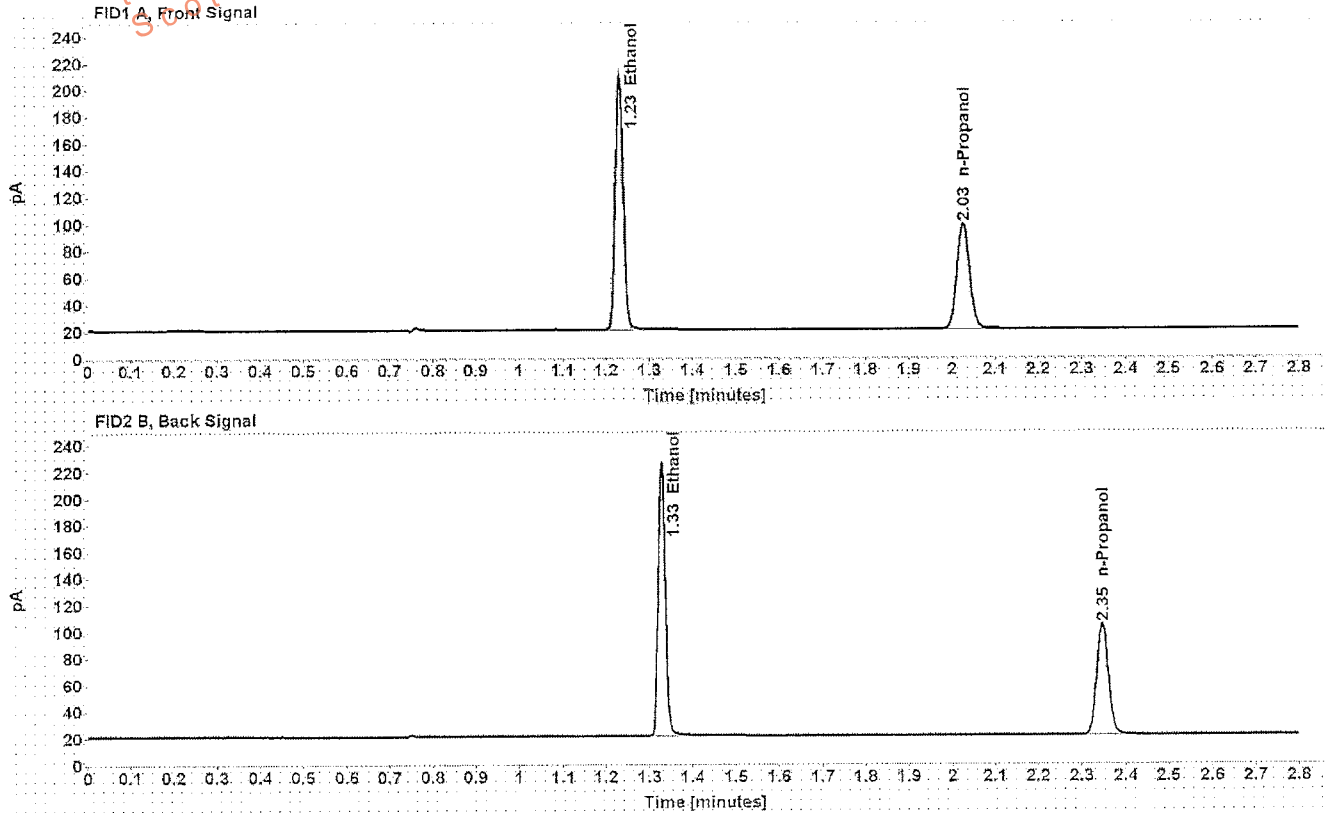


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4091	1.230	242.928
n-Propanol	-----	2.026	160.012

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

Compound	Time (min)	Peak Area
Ethanol	1.327	237.434
n-Propanol	2.346	155.281

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 09022015-A	Item number: 32
Injection date: 4/4/2017 7:21:55 PM	Vial: 32
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki K
Data file: C:\Chem32\11\Data\04Apr17\32.D	

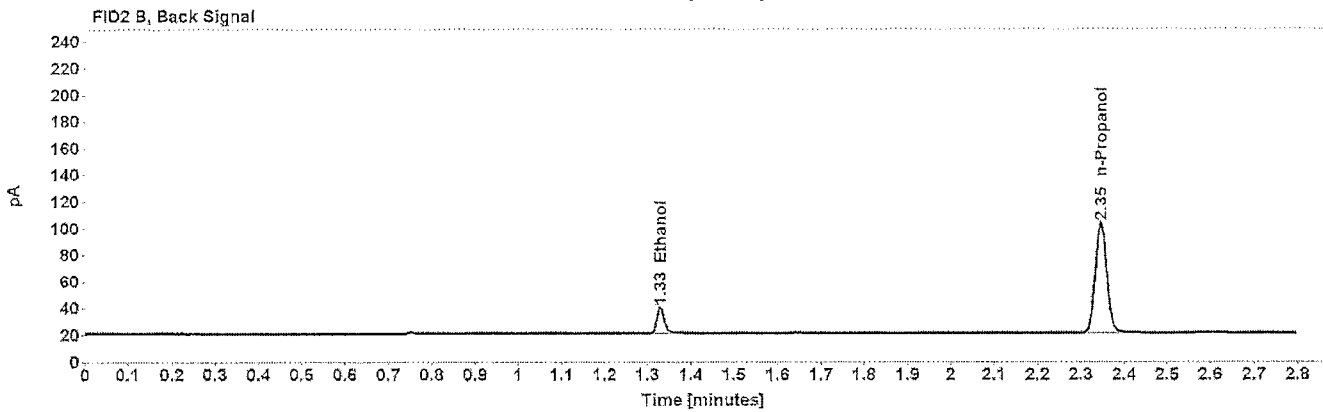
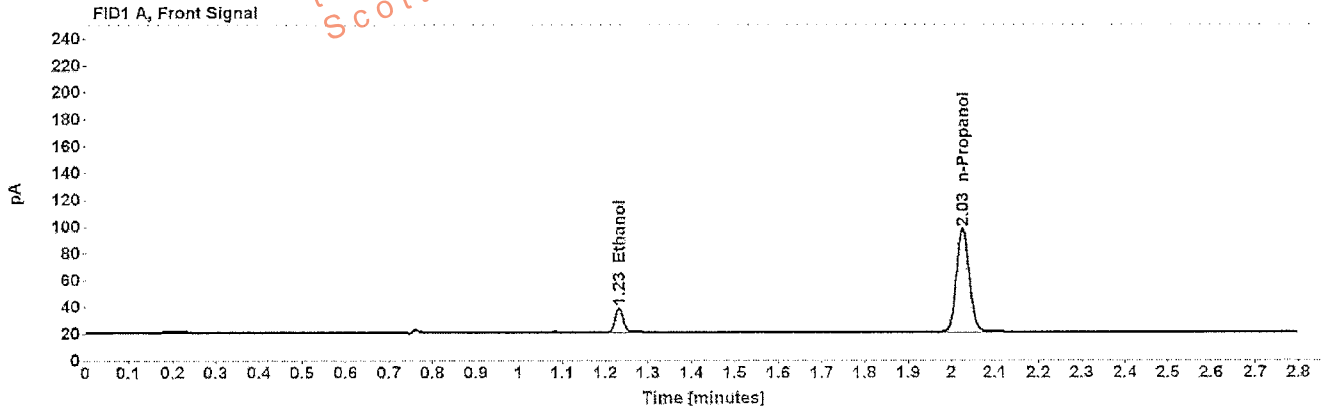


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.232	23.373
n-Propanol	-----	2.026	158.341

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

Compound	Time (min)	Peak Area
Ethanol	1.329	22.511
n-Propanol	2.346	153.676

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 4/4/2017 7:25:55 PM	Vial: 33
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki K
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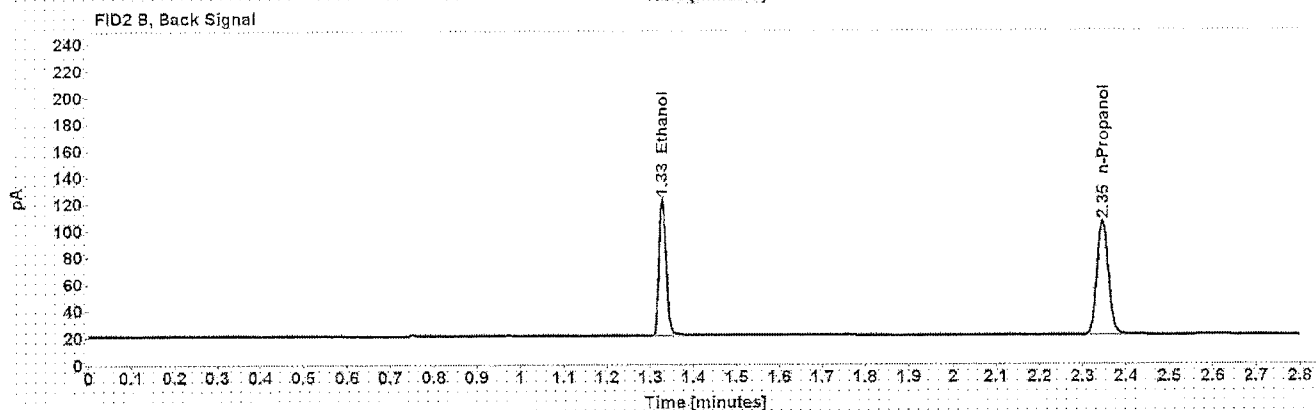
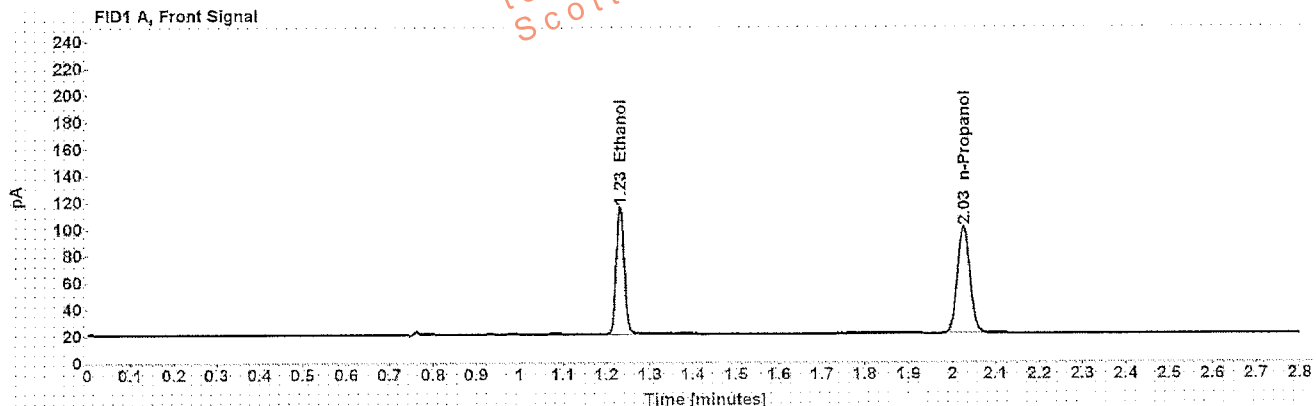


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2023	1.231	121.747
n-Propanol	-----	2.026	162.531

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

Compound	Time (min)	Peak Area
Ethanol	1.328	118.384
n-Propanol	2.346	157.959

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 012517	Item number:
Injection date: 4/4/2017 7:29:55 PM	Vial: 34
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki PK
Data file: C:\Chem32\1\Data\04Apr17\34.D	

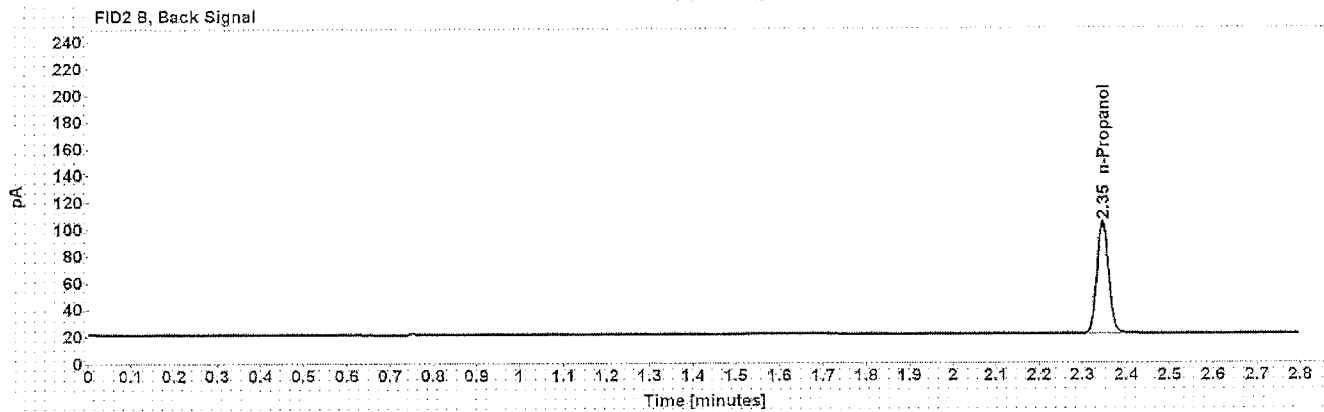
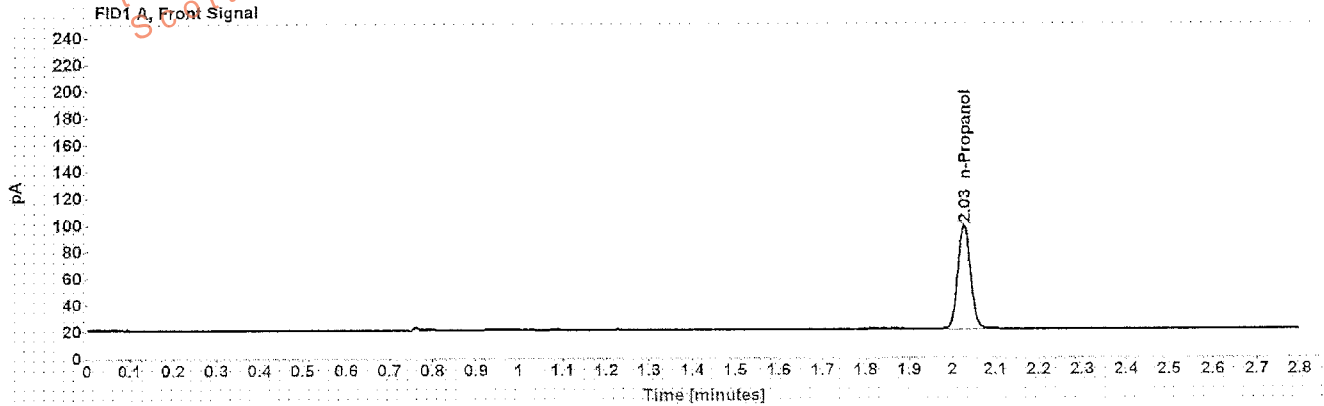


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.026	159.653

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	155.091

Sequence Summary

Sequence name: 04Apr17 Instrument: US14173023 CN14160045 Analyst: Kosecki *AK*

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	1054984	ethanol quant.M
11		Sample	1054984	ethanol quant.M
12		Sample	1057726	ethanol quant.M
13		Sample	1057726	ethanol quant.M
14		Sample	1102726	ethanol quant.M
15		Sample	1102726	ethanol quant.M
16		Sample	1113483	ethanol quant.M
17		Sample	1113483	ethanol quant.M
18		Sample	1115141	ethanol quant.M
19		Sample	1115141	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1113918	ethanol quant.M
22		Sample	1113918	ethanol quant.M
23		Sample	1119360	ethanol quant.M
24		Sample	1119360	ethanol quant.M
25		Sample	1116750	ethanol quant.M
26		Sample	1116750	ethanol quant.M
27		Sample	1117590	ethanol quant.M
28		Sample	1117590	ethanol quant.M
29		Sample	1040285	ethanol quant.M
30		Sample	1040285	ethanol quant.M
31	0.40 Lipomed 08012015-C	Control		ethanol quant.M
32	0.04 Lipomed 09022015-A	Control		ethanol quant.M
33	0.20 ACQ 407041529/3	Control		ethanol quant.M
34	blank 012517	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 04Apr17

ANALYST: Kosecki

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1261	0.1252	0.12565	0.36	0.00045
12 13	0.0699	0.0702	0.07005	0.21	0.00015
14 15	0.1403	0.1393	0.13980	0.36	0.00050
16 17	0.1065	0.1061	0.10630	0.19	0.00020
18 19	0.0976	0.0986	0.09810	0.51	0.00050
21 22	0.1328	0.1326	0.13270	0.08	0.00010
23 24	0.1807	0.1815	0.18110	0.22	0.00040
25 26	0.1761	0.1752	0.17565	0.26	0.00045
27 28	0.1020	0.1027	0.10235	0.34	0.00035
29 30	0.1688	0.1695	0.16915	0.21	0.00035

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1054984
Injection date: 4/4/2017 5:52:55 PM	Vial: 10
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\11\Data\04Apr17\10.D	

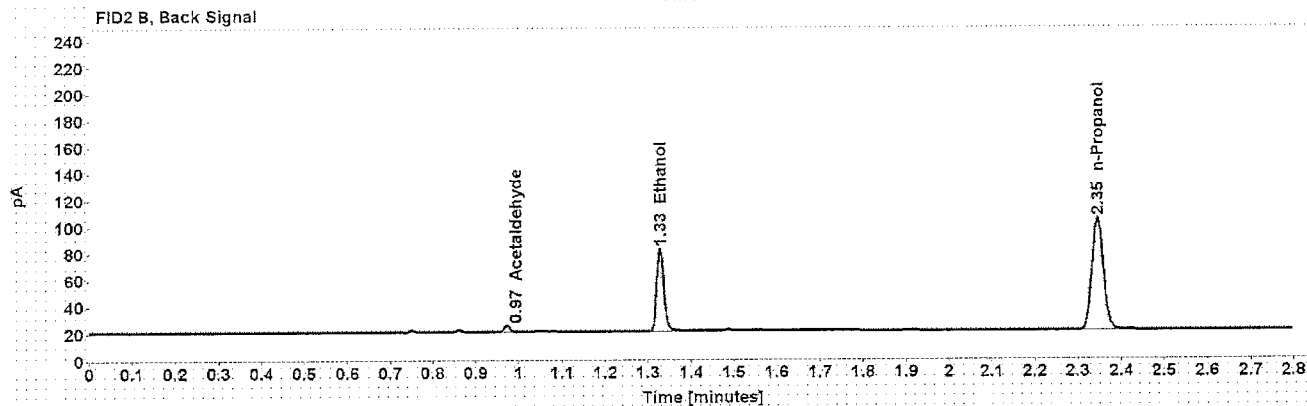
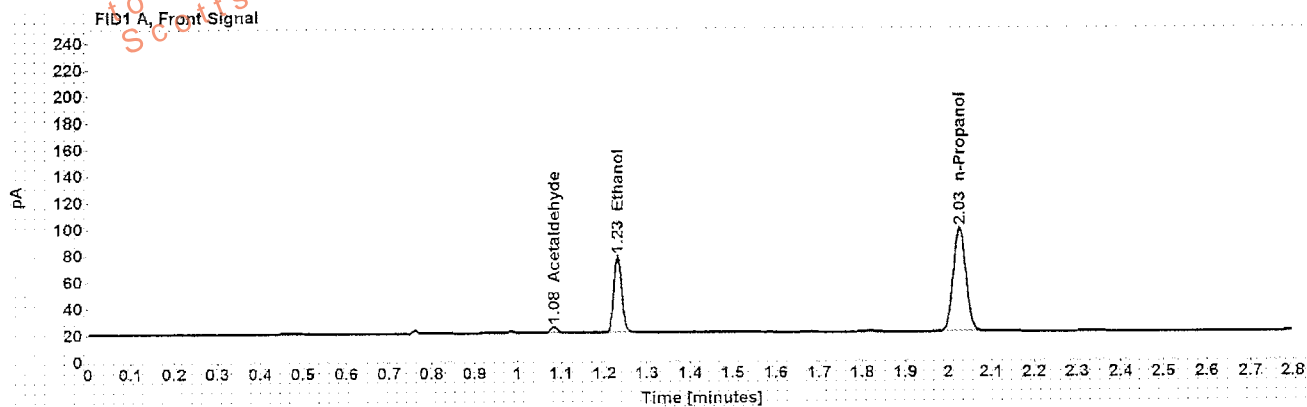


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	4.643
>Ethanol	0.1261	1.231	74.501
n-Propanol	-----	2.025	160.008

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.604
Ethanol	1.328	72.258
n-Propanol	2.345	155.636

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1054984
Injection date: 4/4/2017 5:56:55 PM	Vial: 11
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem3211\Data\04Apr17\11.D	

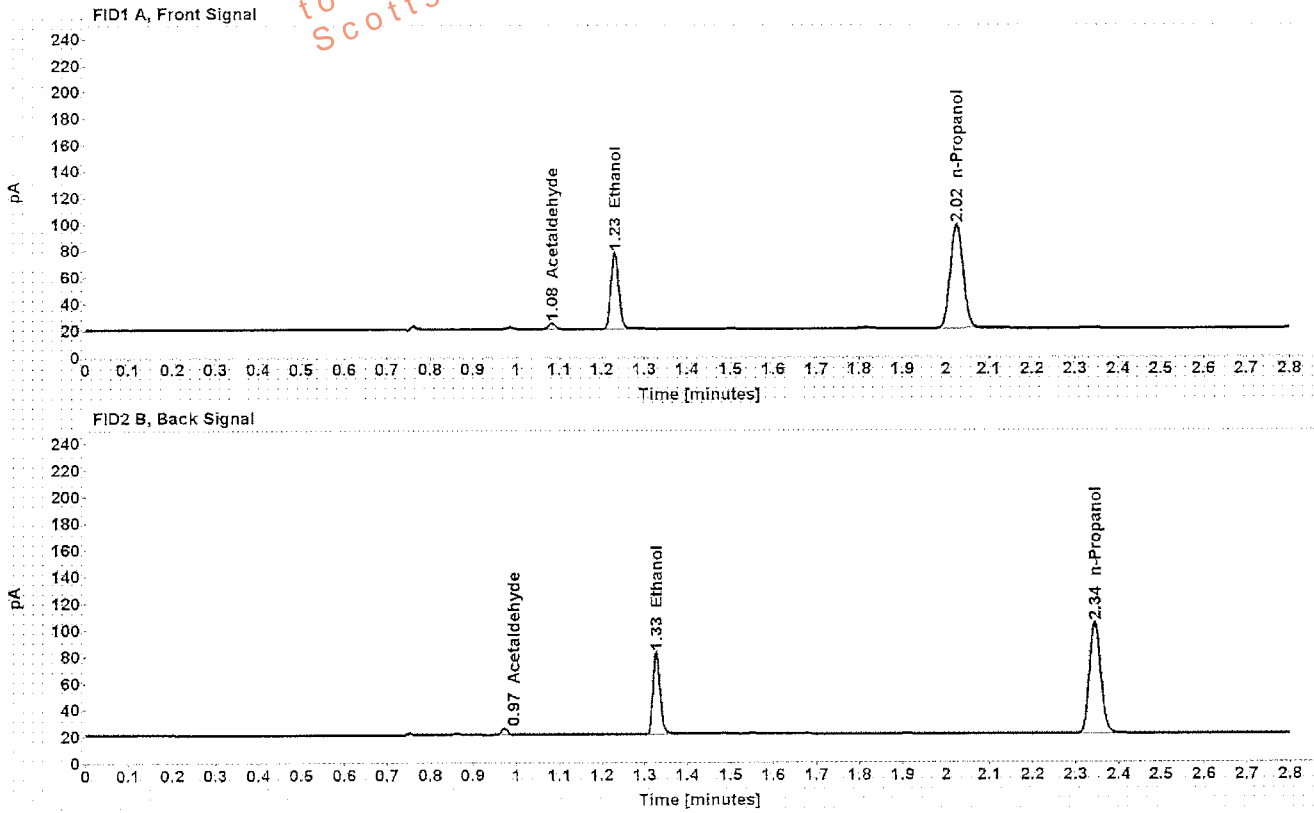


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.083	4.703
>Ethanol	0.1252	1.230	73.813
n-Propanol	-----	2.025	159.618

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.648
Ethanol	1.327	71.401
n-Propanol	2.344	155.155

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1057726
Injection date: 4/4/2017 6:00:56 PM	Vial: 12
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem321\1\Data\04Apr17\12.D	

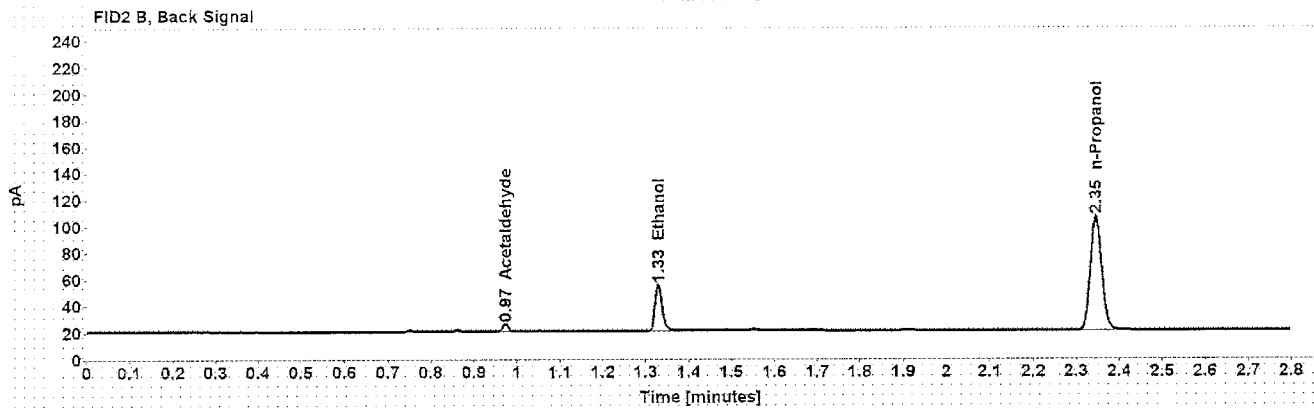
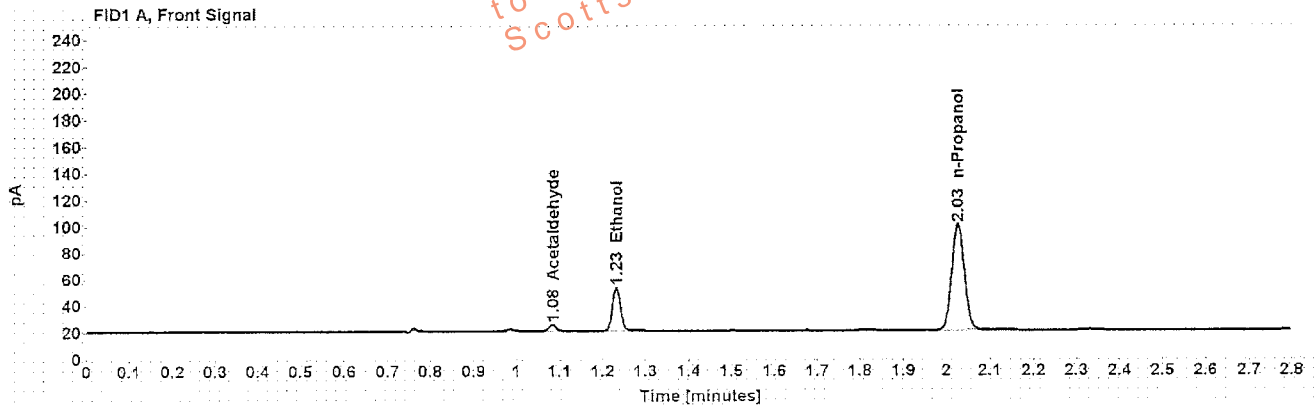


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.049
>Ethanol	0.0699	1.232	41.939
n-Propanol	-----	2.026	163.423

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.931
Ethanol	1.329	40.906
n-Propanol	2.345	158.754

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1057726
Injection date: 4/4/2017 6:05:10 PM	Vial: 13
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
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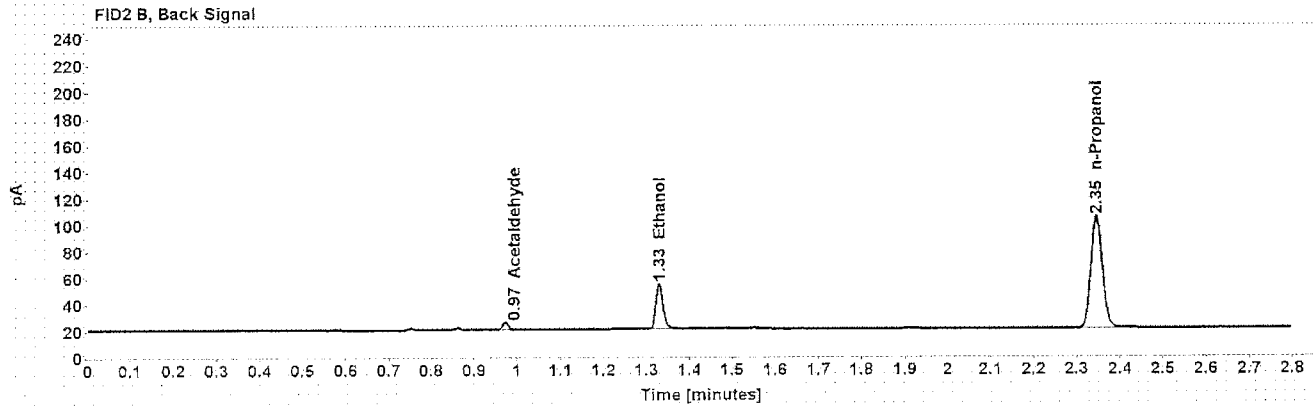
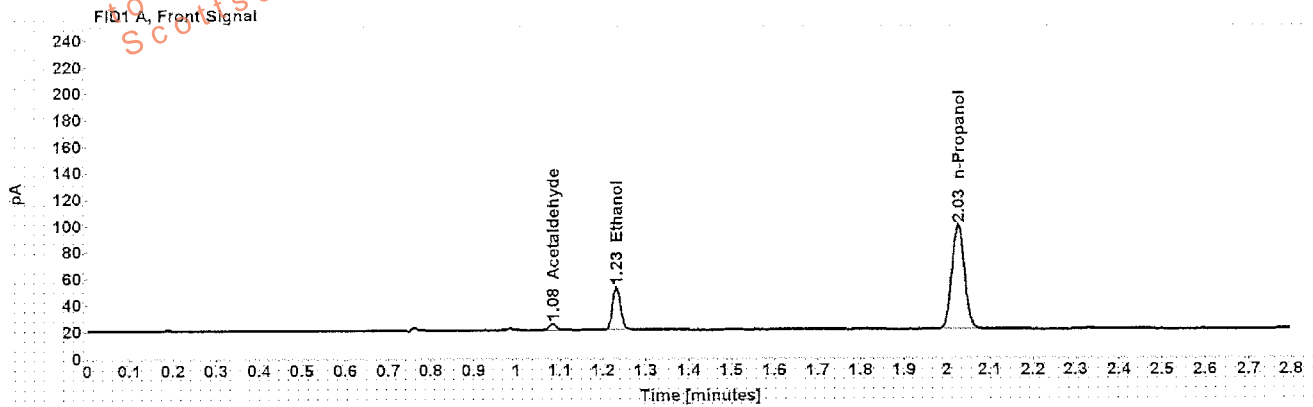


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	4.977
>Ethanol	0.0702	1.232	41.471
n-Propanol	-----	2.026	160.912

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.064
Ethanol	1.329	40.868
n-Propanol	2.346	156.318

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1102726
Injection date: 4/4/2017 6:09:09 PM	Vial: 14
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Instrument: US14173023-CN14160045	Analyst: Kosecki
Data file: C:\Chem3211\Data\04Apr17\14.D	

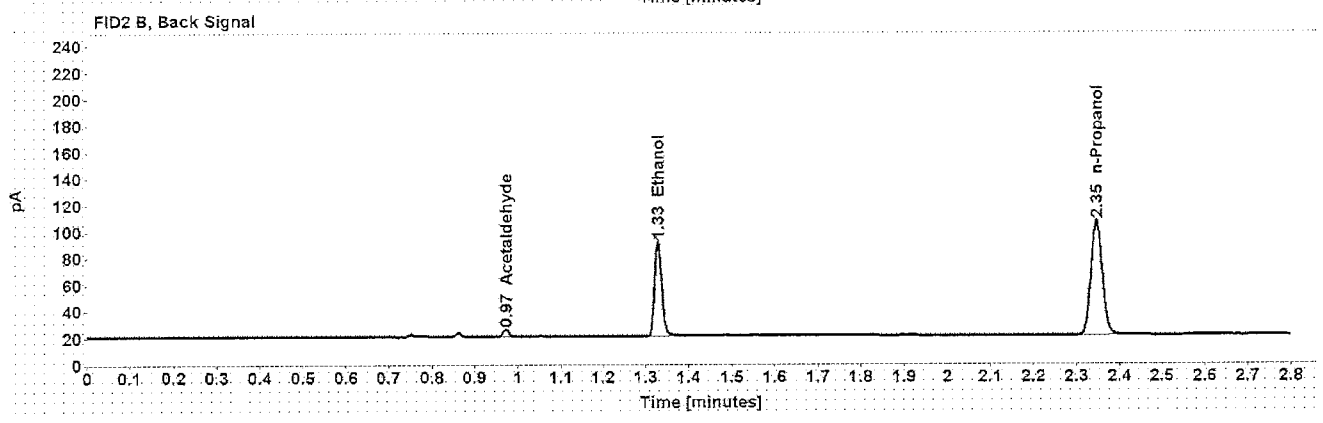
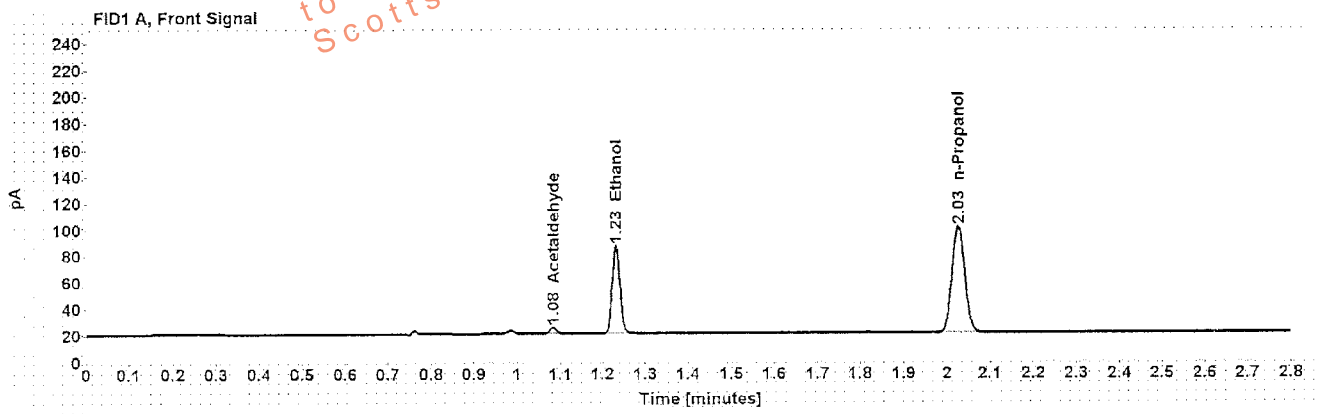


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	4.906
>Ethanol	0.1403	1.231	85.102
n-Propanol	-----	2.026	164.086

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.943
Ethanol	1.328	82.329
n-Propanol	2.346	159.570

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1102726
Injection date: 4/4/2017 6:13:10 PM	Vial: 15
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\1\Data\04Apr17\15.D	

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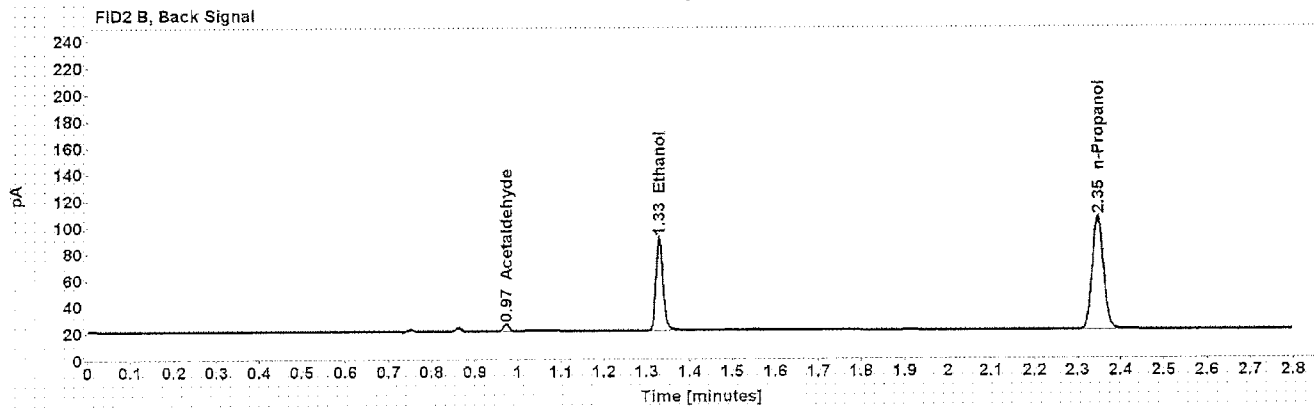
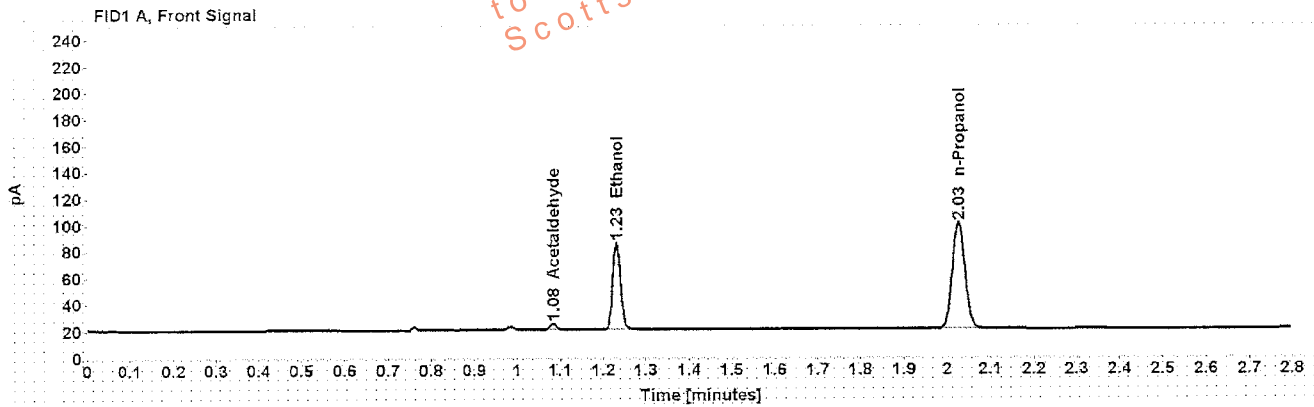


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	4.807
>Ethanol	0.1393	1.231	84.034
n-Propanol	-----	2.026	163.213

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.693
Ethanol	1.328	81.482
n-Propanol	2.346	158.710

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113483
Injection date: 4/4/2017 6:17:10 PM	Vial: 16
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem3211\Data\04Apr17\16.D	

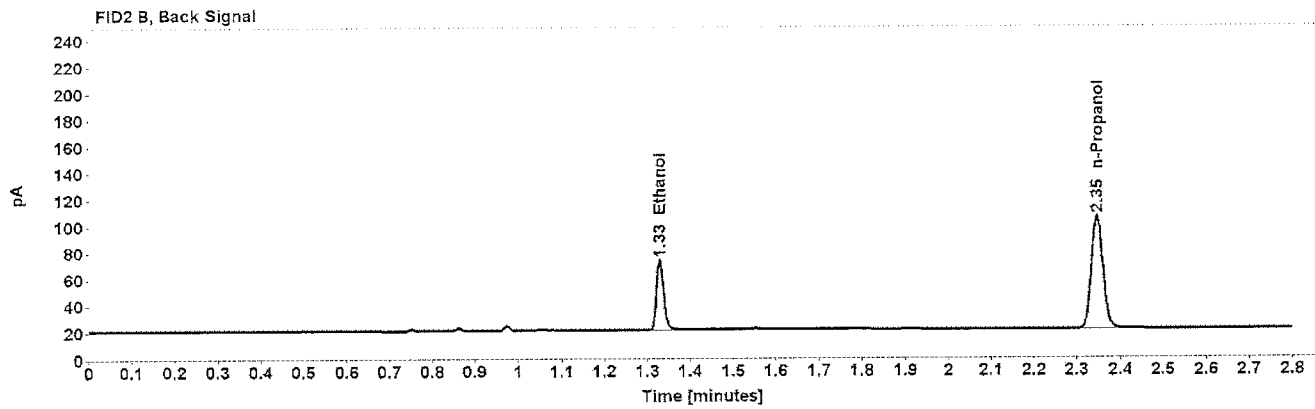
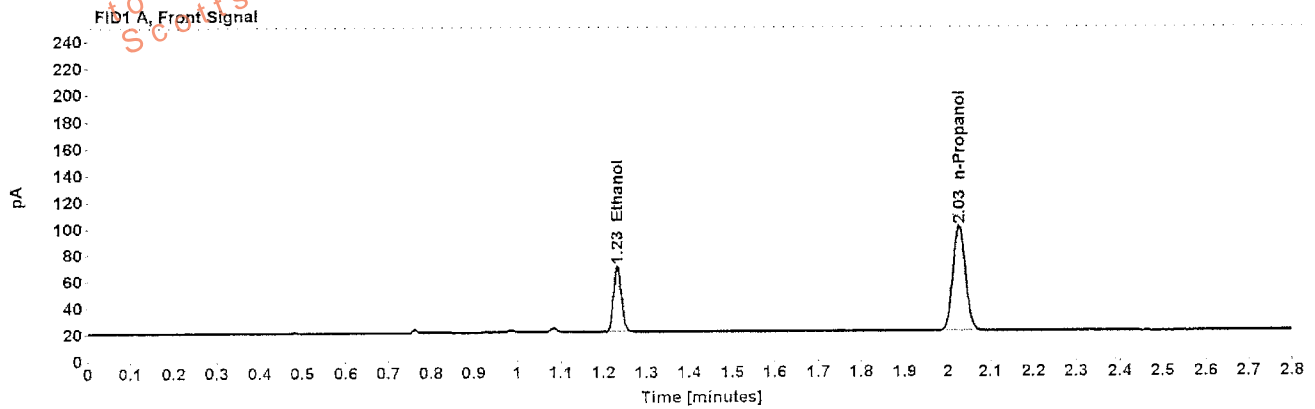


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1065	1.232	63.697
n-Propanol	-----	2.026	162.198

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

Compound	Time (min)	Peak Area
Ethanol	1.329	61.747
n-Propanol	2.346	157.853

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113483
Injection date: 4/4/2017 6:21:10 PM	Vial: 17
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023-CN14160045	Analyst: Kosecki
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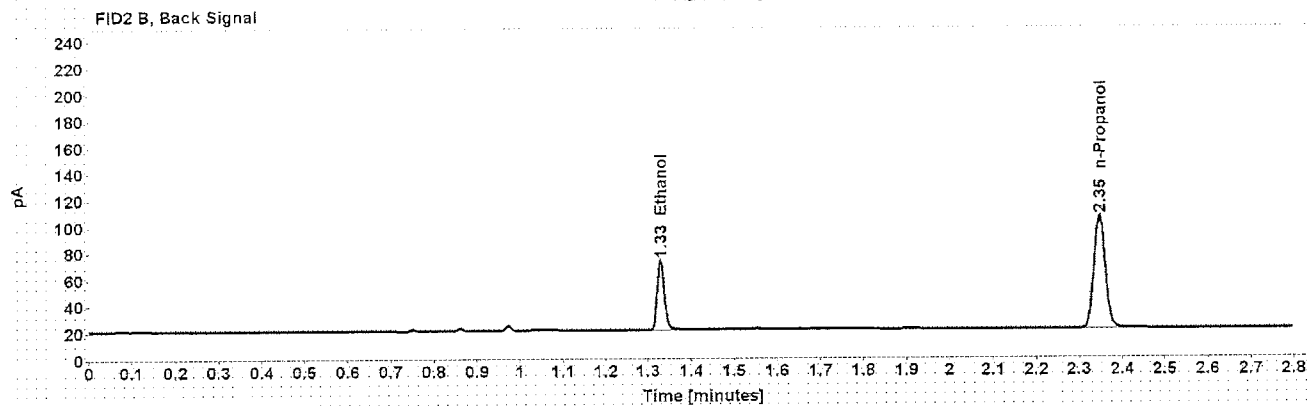
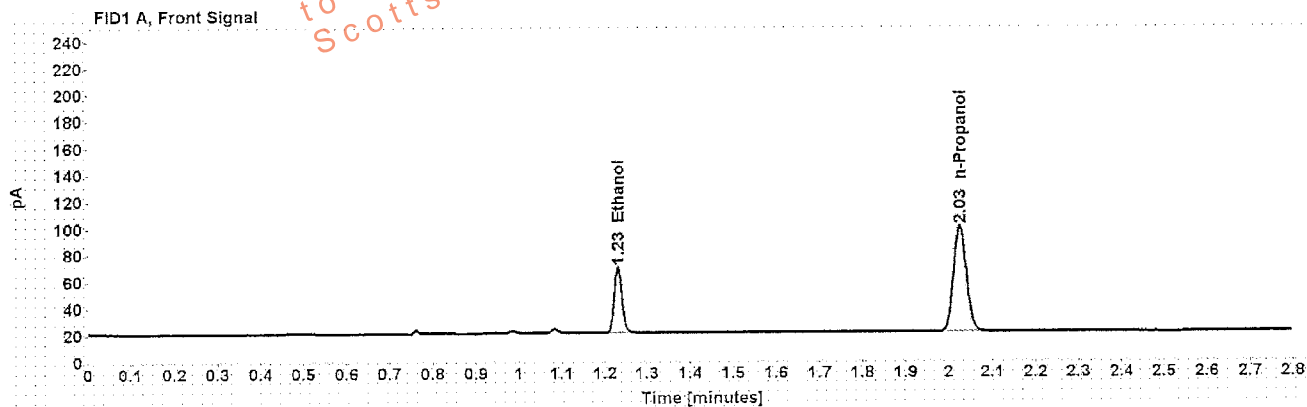


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1061	1.232	63.447
n-Propanol	-----	2.026	162.174

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

Compound	Time (min)	Peak Area
Ethanol	1.329	61.373
n-Propanol	2.346	157.726

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1115141
Injection date: 4/4/2017 6:25:10 PM	Vial: 18
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\1\Data\04Apr17\18.D	

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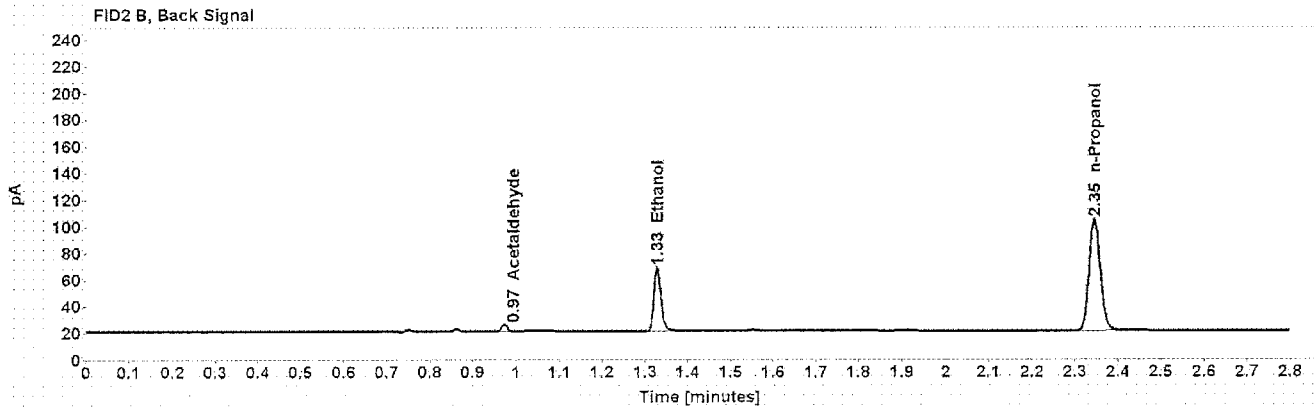
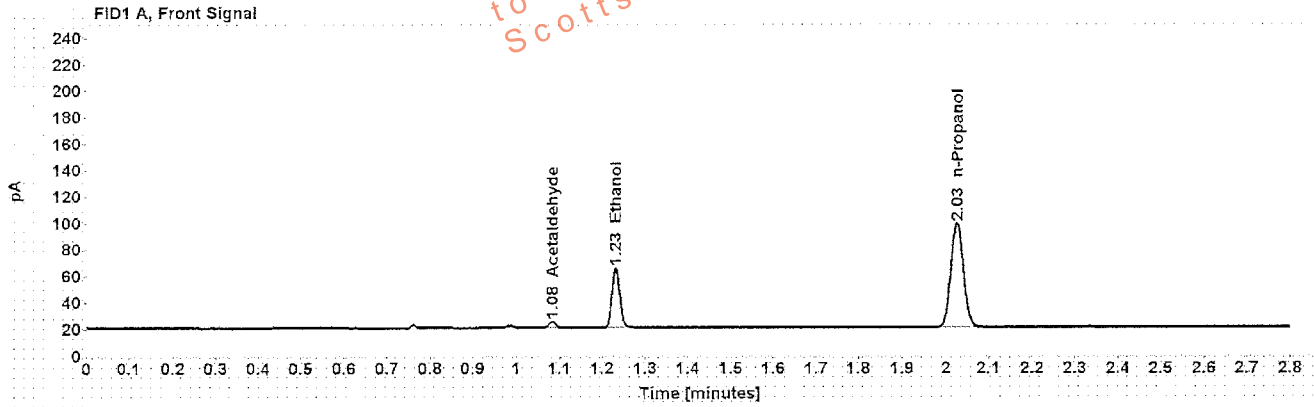


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.089
>Ethanol	0.0976	1.231	57.806
n-Propanol	-----	2.026	160.677

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.956
Ethanol	1.329	55.899
n-Propanol	2.346	156.192

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1115141
Injection date: 4/4/2017 6:29:26 PM	Vial: 19
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
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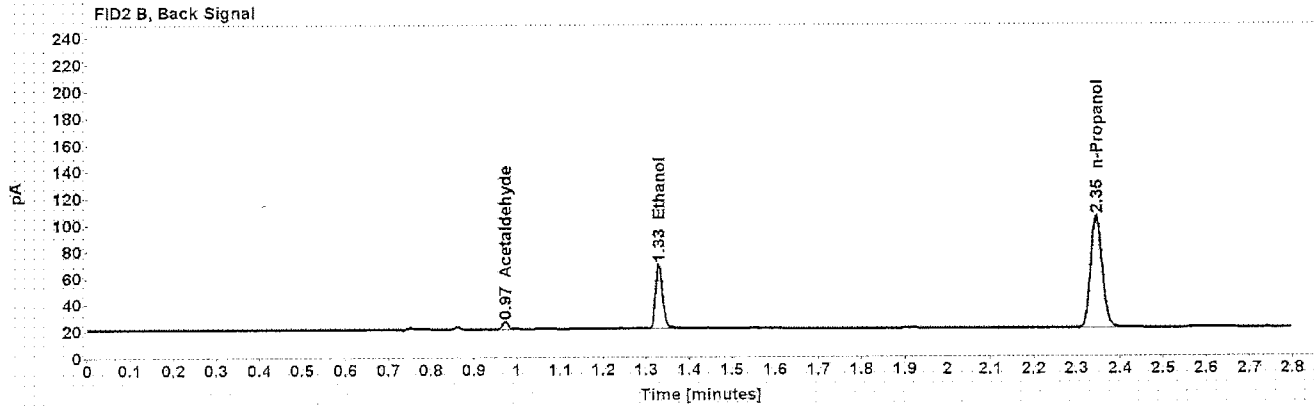
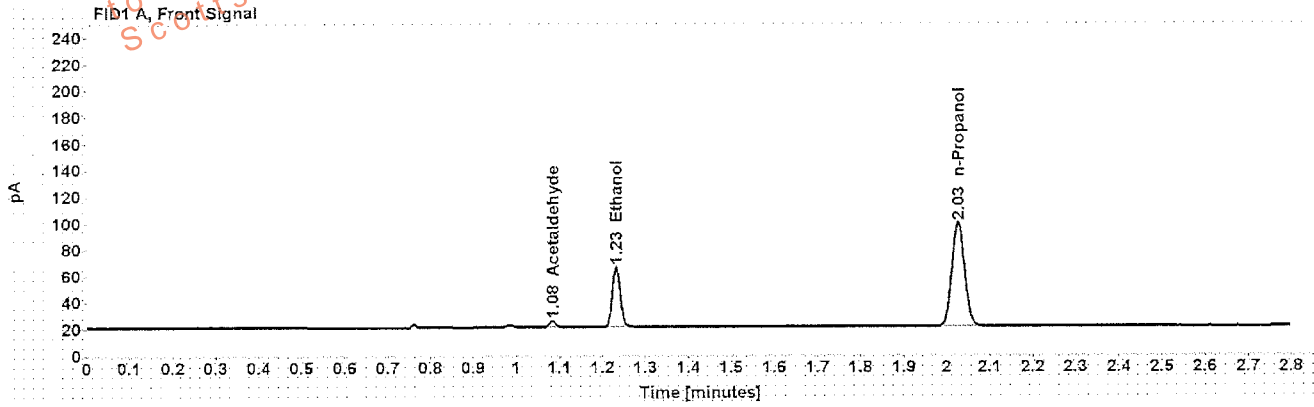


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.073
>Ethanol	0.0986	1.232	58.397
n-Propanol	-----	2.026	160.702

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.107
Ethanol	1.329	56.425
n-Propanol	2.346	156.371

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113918
Injection date: 4/4/2017 6:37:26 PM	Vial: 21
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem3211\Data\04Apr17\21.D	

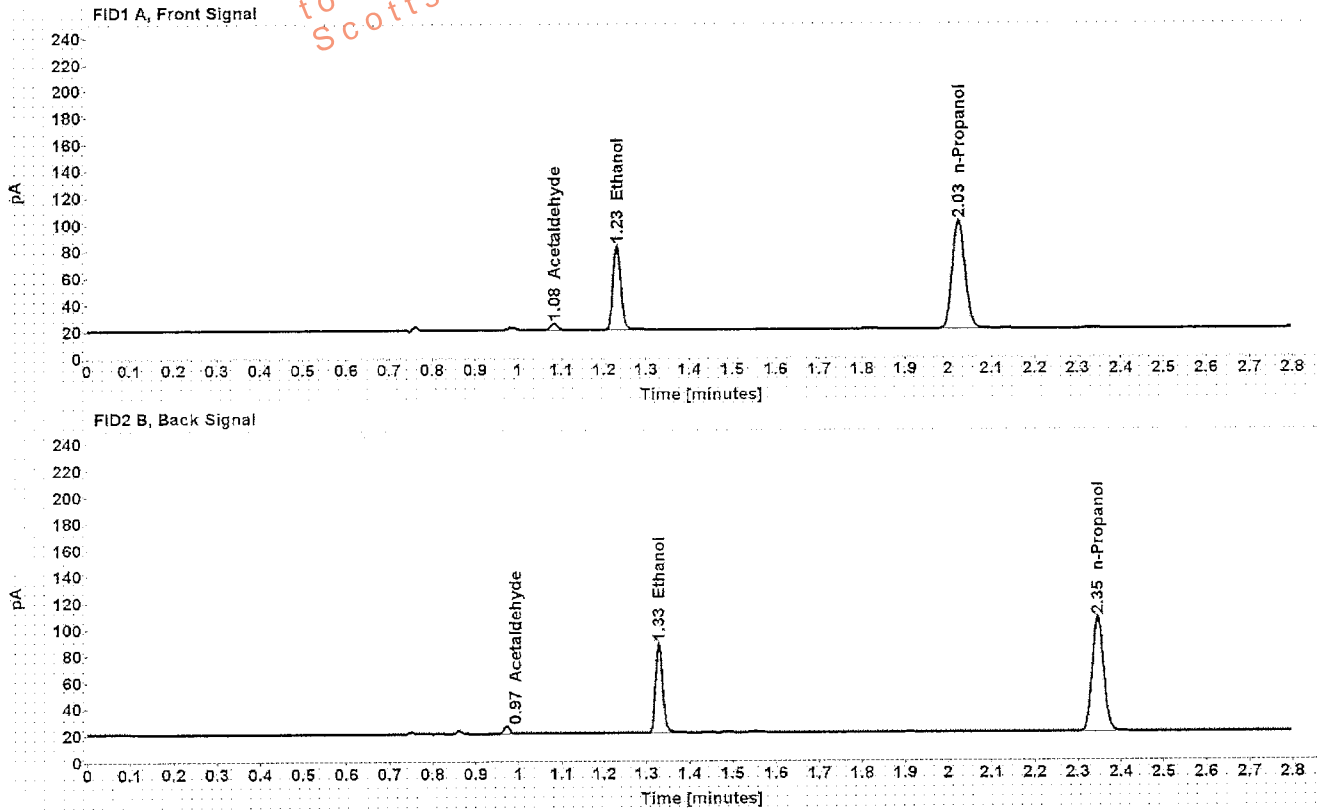


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.243
>Ethanol	0.1328	1.231	80.907
n-Propanol	-----	2.026	164.947

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.108
Ethanol	1.328	78.524
n-Propanol	2.346	160.498

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113918
Injection date: 4/4/2017 6:41:25 PM	Vial: 22
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\1\Data\04Apr17\22.D	

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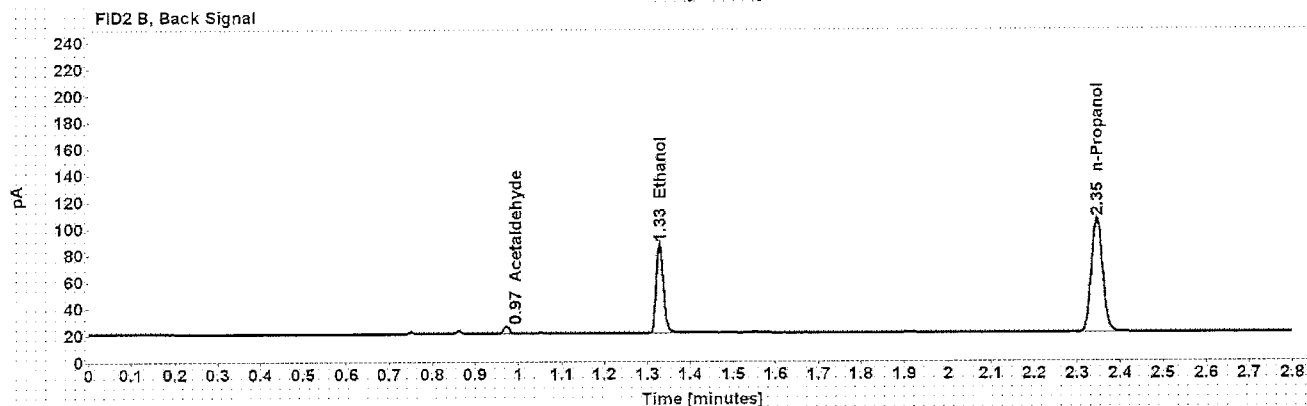
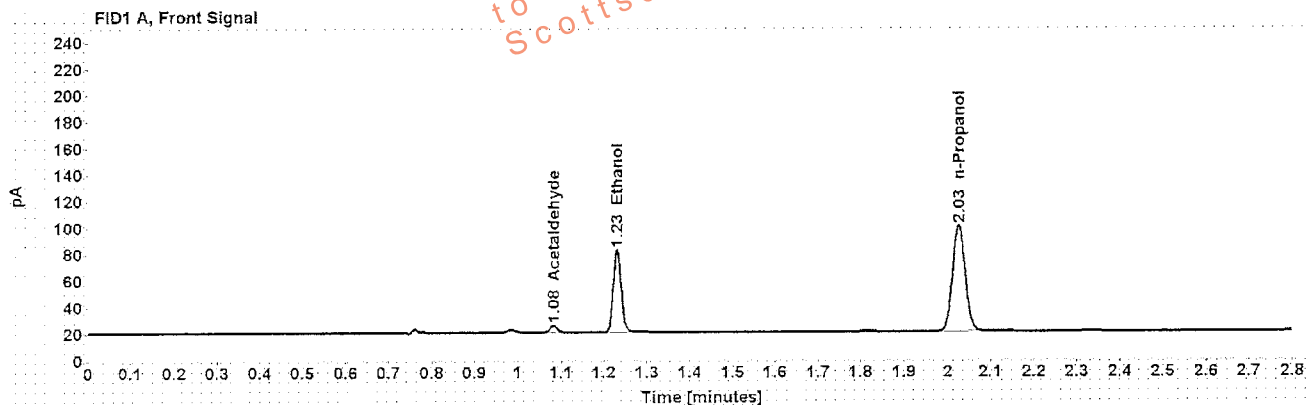


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.285
>Ethanol	0.1326	1.231	79.984
n-Propanol	-----	2.026	163.325

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.201
Ethanol	1.328	77.505
n-Propanol	2.346	159.030

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1119360
Injection date: 4/4/2017 6:45:25 PM	Vial: 23
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023.CN14160046	Analyst: Kosecki
Data file: C:\Chem32\11\Data\04Apr17\23.D	

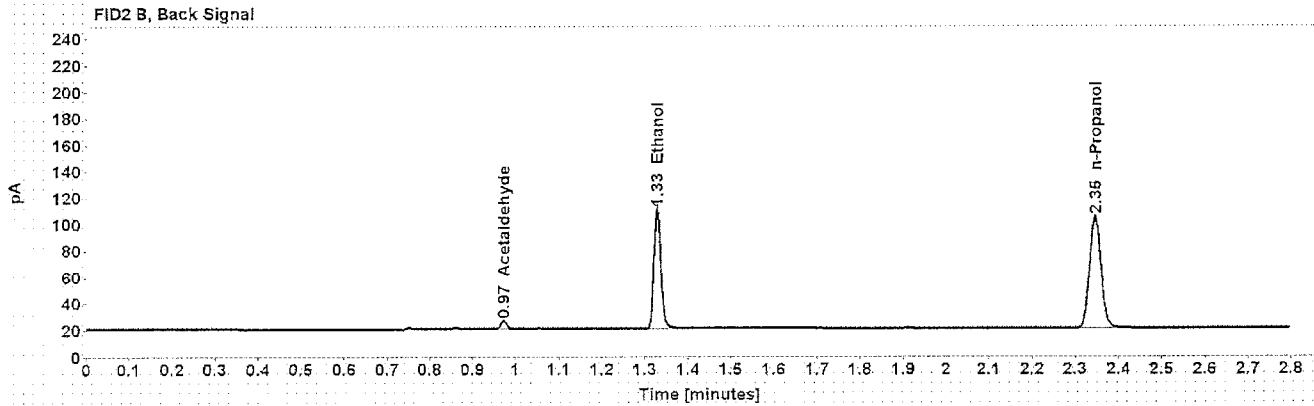
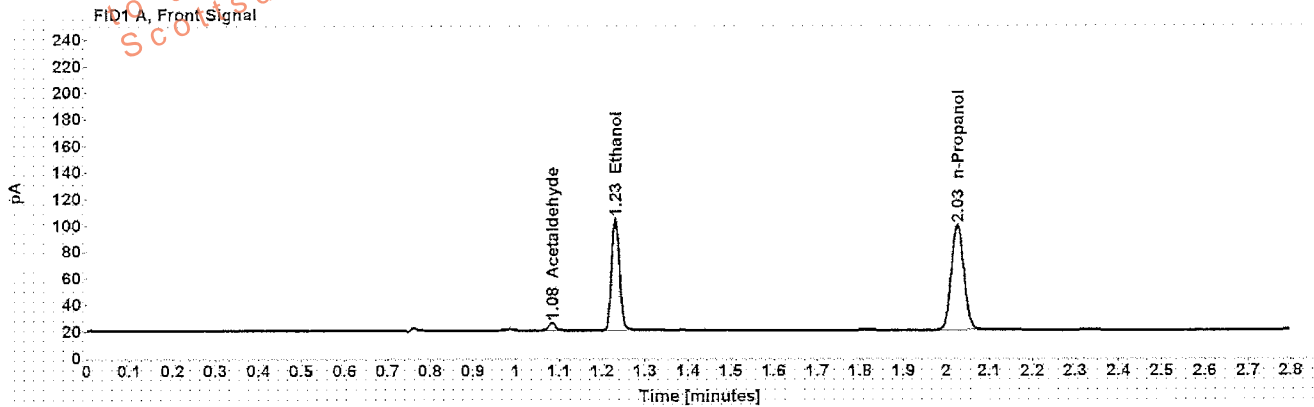


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.900
>Ethanol	0.1807	1.231	108.477
n-Propanol	-----	2.026	162.179

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.800
Ethanol	1.328	105.473
n-Propanol	2.346	157.613

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1119360
Injection date: 4/4/2017 6:49:25 PM	Vial: 24
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023.CN14160045	Analyst: Kosecki
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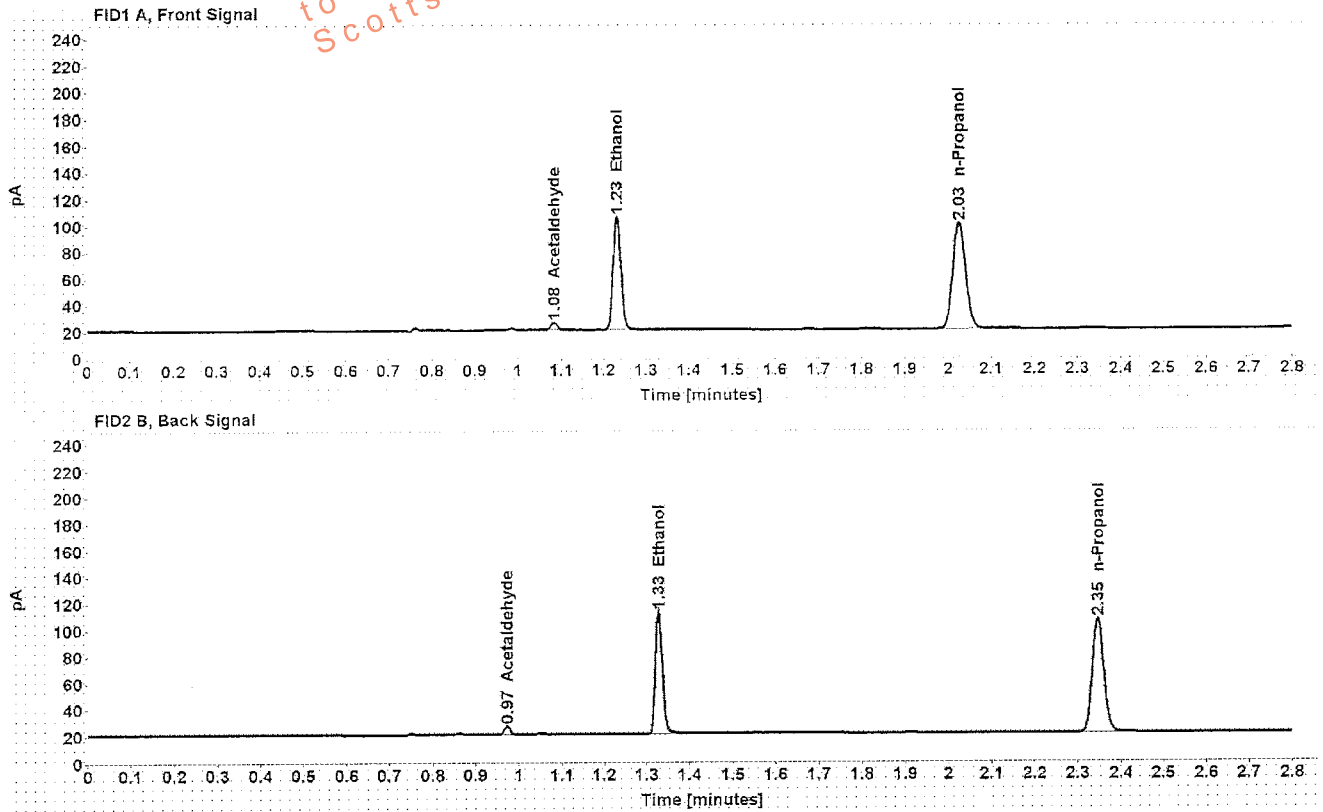


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.844
>Ethanol	0.1815	1.231	109.861
n-Propanol	-----	2.026	163.510

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.695
Ethanol	1.328	106.635
n-Propanol	2.346	158.855

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1116750
Injection date: 4/4/2017 6:53:41 PM	Vial: 25
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
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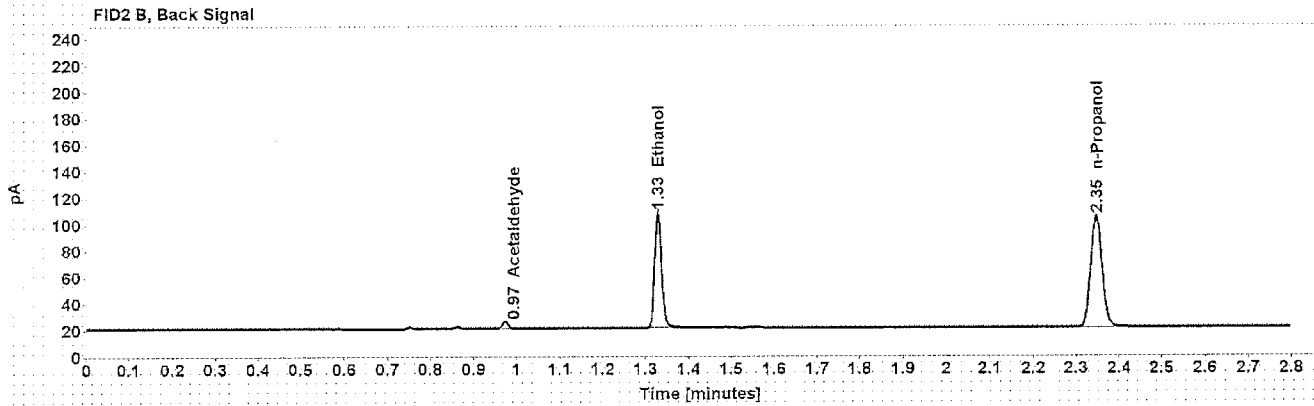
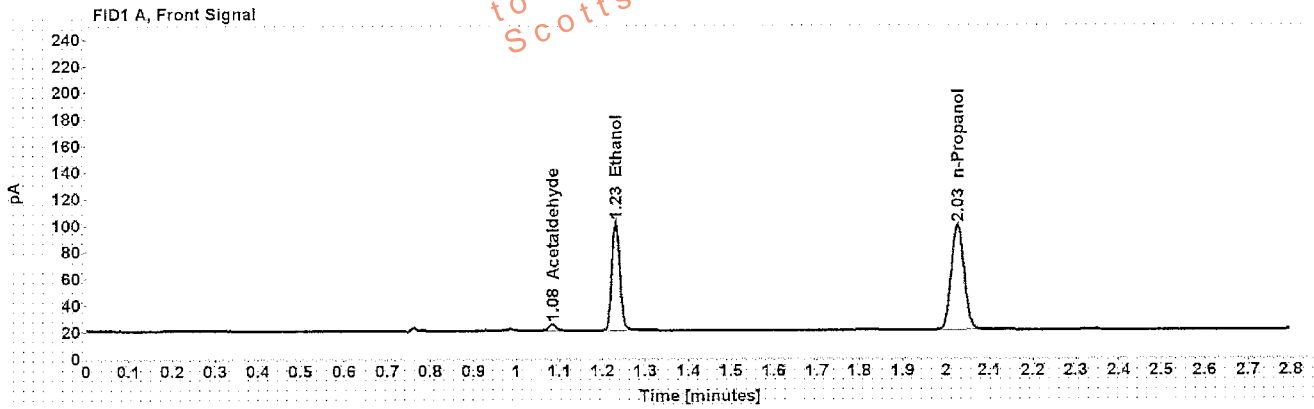


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.014
>Ethanol	0.1761	1.231	104.985
n-Propanol	-----	2.026	161.146

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.067
Ethanol	1.328	101.932
n-Propanol	2.346	156.558

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1116750
Injection date: 4/4/2017 6:57:40 PM	Vial: 26
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
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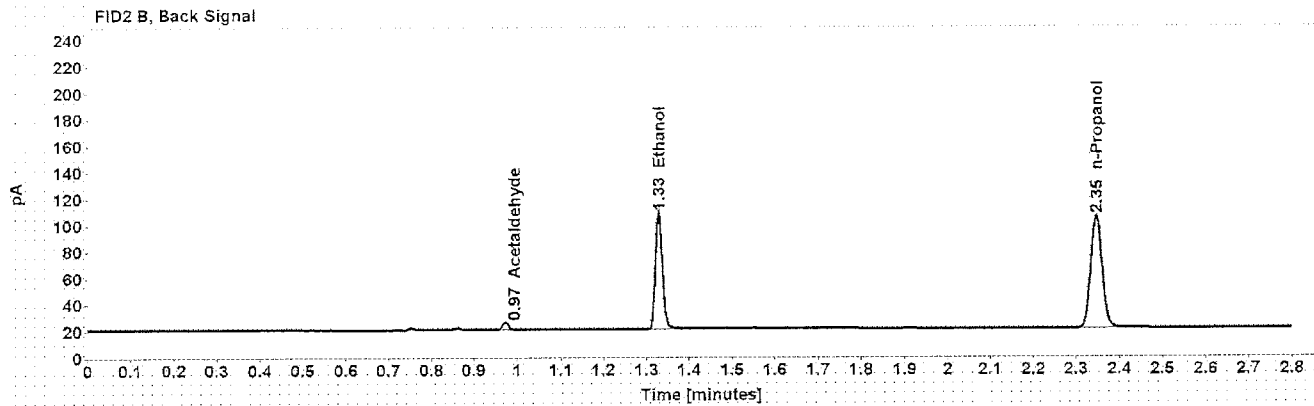
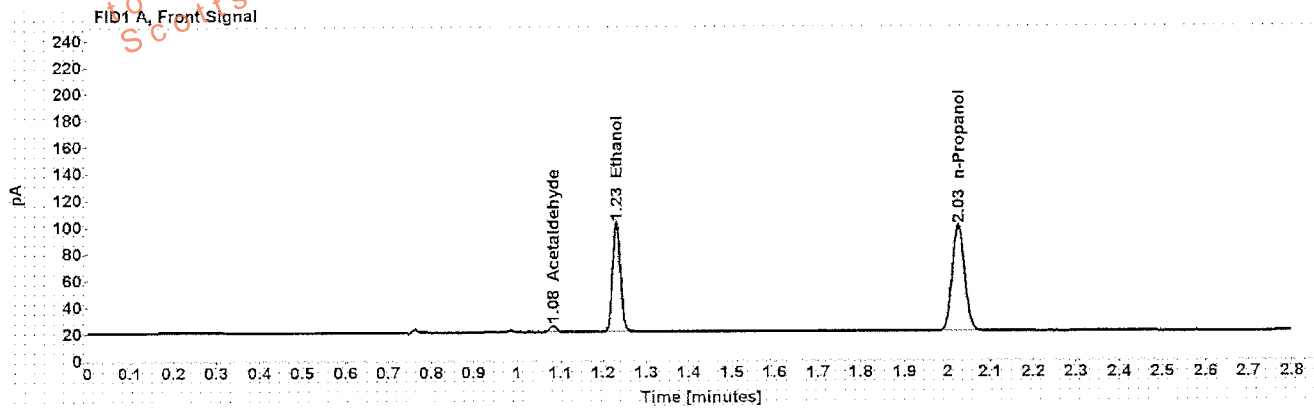


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	5.100
>Ethanol	0.1752	1.231	104.881
n-Propanol	-----	2.026	161.758

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.122
Ethanol	1.328	101.821
n-Propanol	2.346	157.104

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 4117590
Injection date: 4/4/2017 7:05:40 PM	Vial: 28
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem321\Data\04Apr17\28.D	

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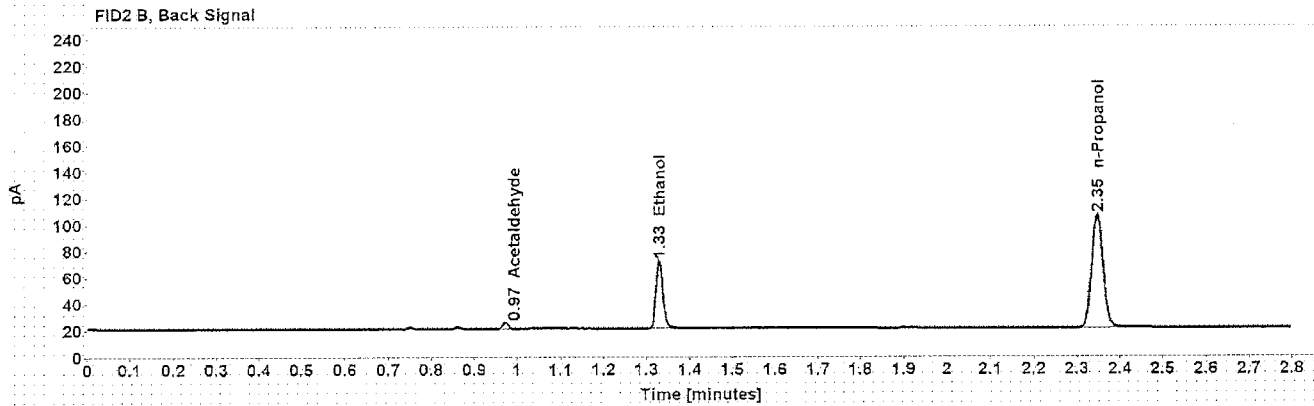
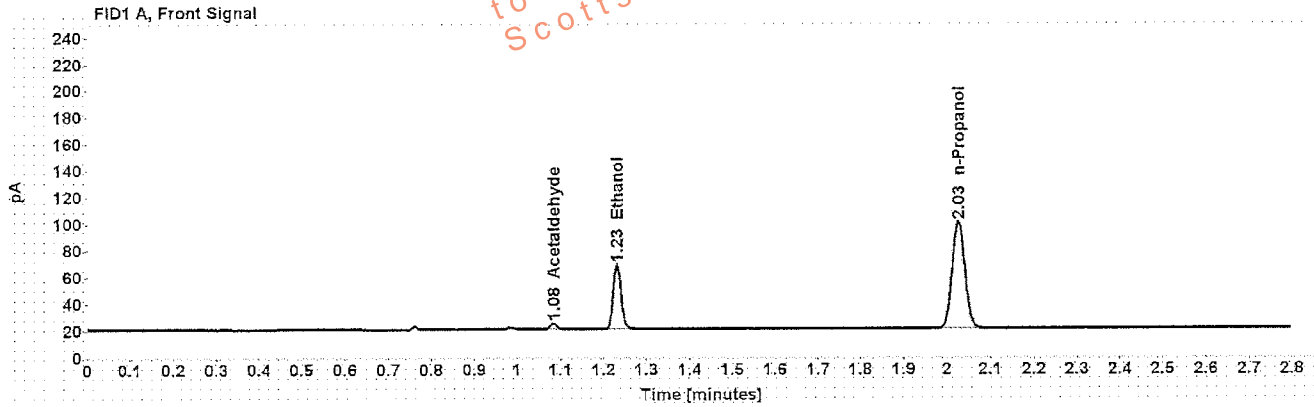


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.084	4.635
>Ethanol	0.1027	1.232	61.884
n-Propanol	-----	2.026	163.499

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.584
Ethanol	1.329	59.841
n-Propanol	2.346	159.076

Case: [REDACTED] User: pkosecki 4/5/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1040285
Injection date: 4/4/2017 7:09:40 PM Vial: 29
Method: ethanol quant.M Sequence: 04Apr17
Instrument: US14173023 CN14160045 Analyst: Kosecki
Data file: C:\Chem32\11\Data\04Apr17\29.D

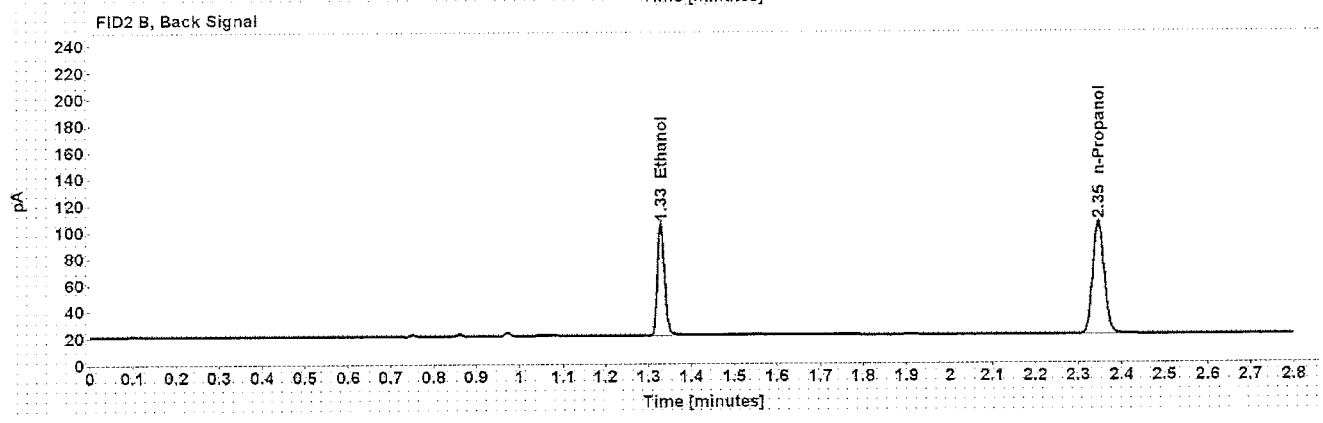
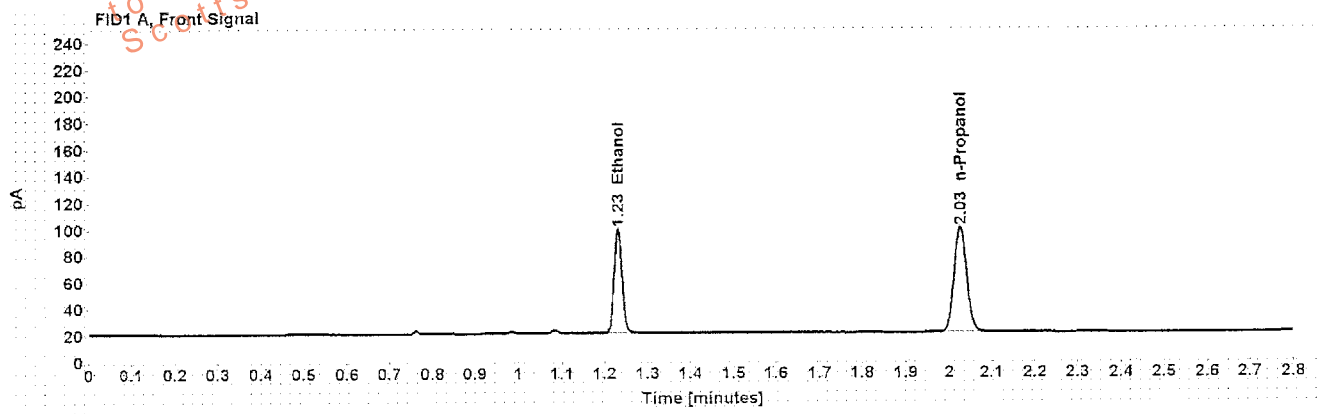


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1688	1.231	100.800
n-Propanol	-----	2.026	161.368

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

Compound	Time (min)	Peak Area
Ethanol	1.328	98.194
n-Propanol	2.346	156.901

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1040285
Injection date: 4/4/2017 7:13:40 PM	Vial: 30
Method: ethanol quant.M	Sequence: 04Apr17
Instrument: US14173023 CN14160045	Analyst: Kosecki
Data file: C:\Chem32\11\Data\04Apr17\30.D	

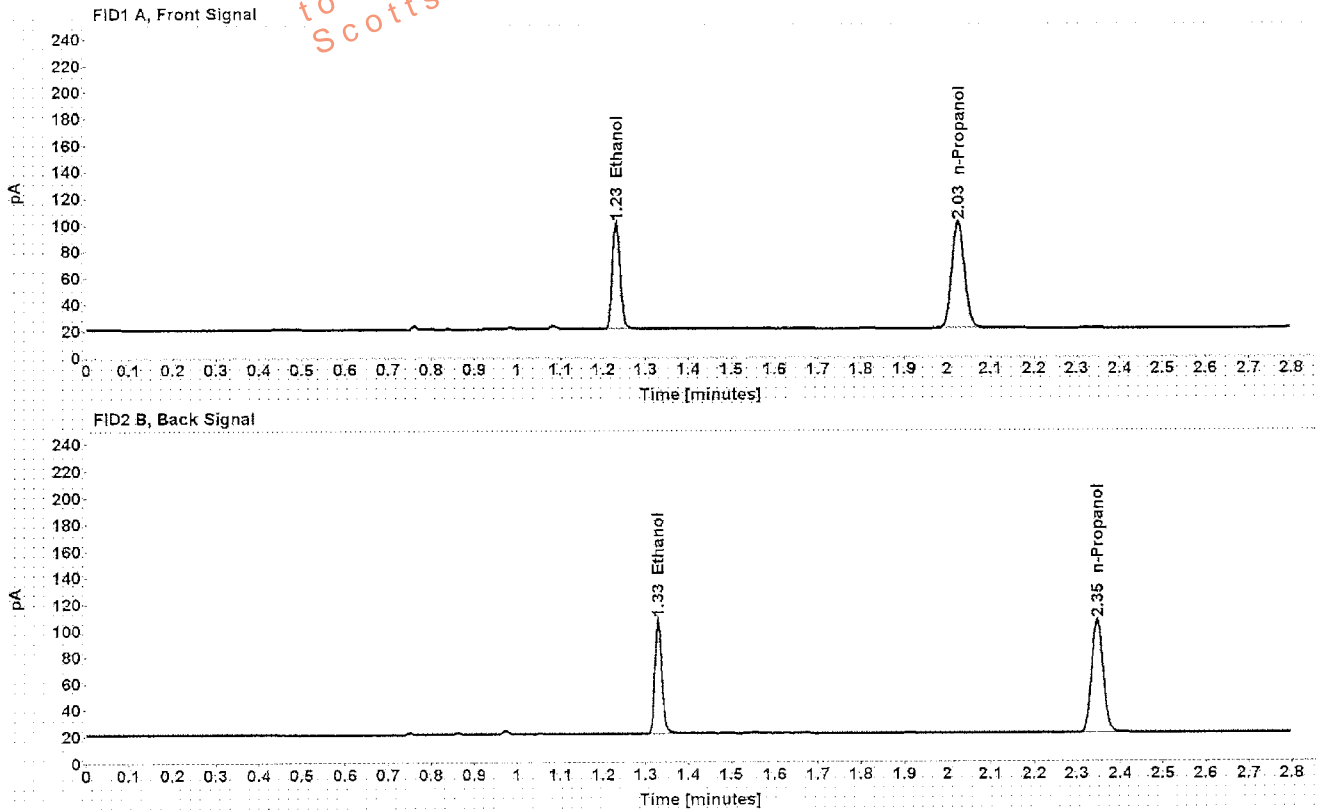


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1695	1.231	103.055
n-Propanol	-----	2.026	164.336

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

Compound	Time (min)	Peak Area
Ethanol	1.328	100.014
n-Propanol	2.346	159.979