

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 09/22/2016 SEQUENCE NAME 22Sep16

EQUIPMENT

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

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN08101401 Coefficient of determination (r^2)
 Vial 2 0.10 calibrator Lot FN06181501 0.99997
 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 090816
6	volatiles mixture	6 Compounds	6 Compounds	SPD lab 030916ASL
7	aqueous control	0.400 g/dL	0.397g/dL	Lipomed 05012012-C
8	aqueous control	0.040 g/dL	0.039g/dL	Lipomed 30112011-B
9	blood control	0.200 g/dL	0.200g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.080g/dL	Lipomed 14112011-A
31	aqueous control	0.150 g/dL	0.150g/dL	Lipomed 11012012-C
42	blood control	0.200 g/dL	0.202g/dL	ACQ 402101060/6
53	aqueous control	0.400 g/dL	0.400g/dL	Lipomed 05012012-C
54	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
55	blood control	0.200 g/dL	0.202g/dL	ACQ 402101060/6
56	blank	Not detected	Not detected	SPD lab 090816

SUBJECT SAMPLES

Subjects in the sequence 14 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected. This run included verification testing of 6 new lots of controls. Hand corrected the item number on DR# 16-19848 for documents.

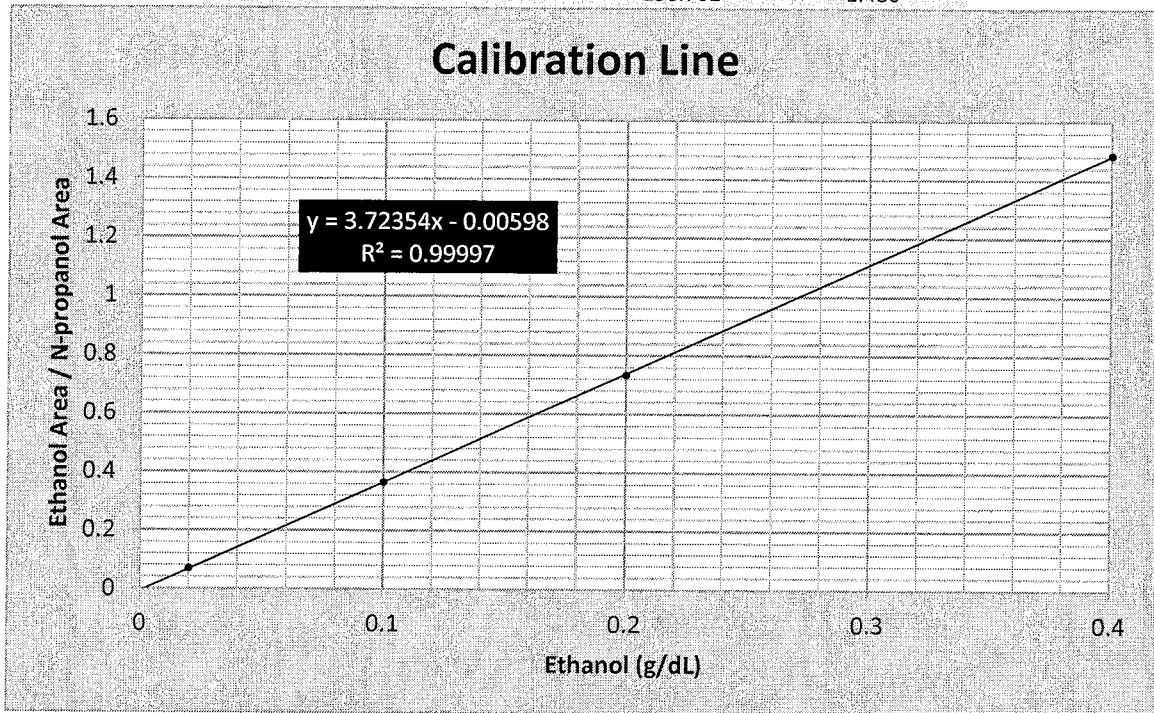
Run valid Run invalid Amey Langer Analyst
 Run valid Run invalid US802 9/22/16 Technical Reviewer

**SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
SEQUENCE QUALITY ASSURANCE SUMMARY**

SEQUENCE NAME: 22Sep16 *AD*

Control	Vial	Expected Value (g/dL)	Measured Value (g/dL)	Percent Difference	Absolute Difference (g/dl)
1	5	negative	negative	-	-
2	7	0.400	0.397	0.75	-0.003
3	8	0.040	0.039	2.50	-0.001
4	9	0.200	0.200	0.00	0.000
5	20	0.080	0.080	0.00	0.000
6	31	0.150	0.150	0.00	0.000
7	42	0.200	0.202	1.00	0.002
8	53	0.400	0.400	0.00	0.000
9	54	0.040	0.040	0.00	0.000
10	55	0.200	0.202	1.00	0.002
11	56	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.358	160.461	0.071
0.100	58.685	160.130	0.366
0.200	116.080	158.099	0.734
0.400	235.759	158.701	1.486



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.020 Cerilliant FN08101401	Item number:
Injection date: 9/22/2016 6:20:16 PM	Vial: 1
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\22Sept16\1.D	

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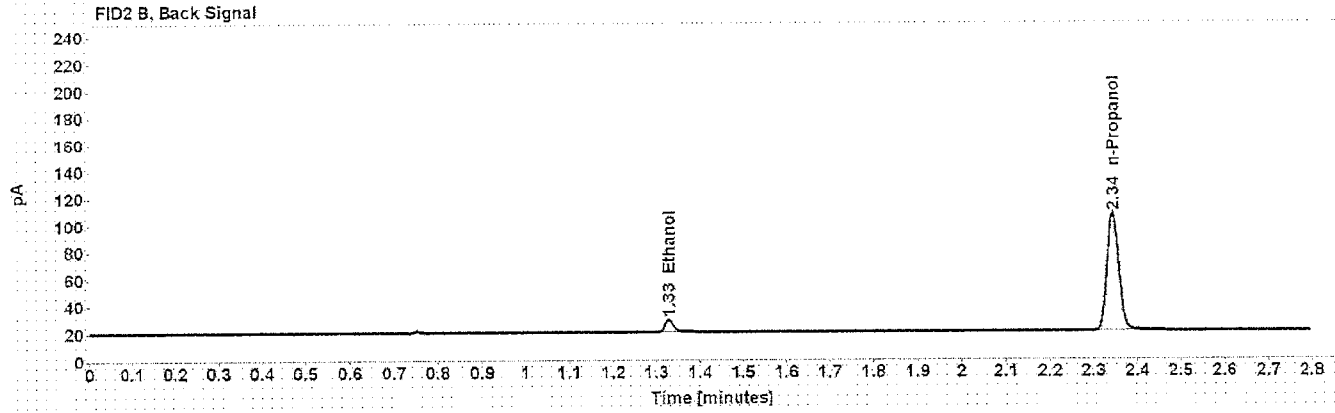
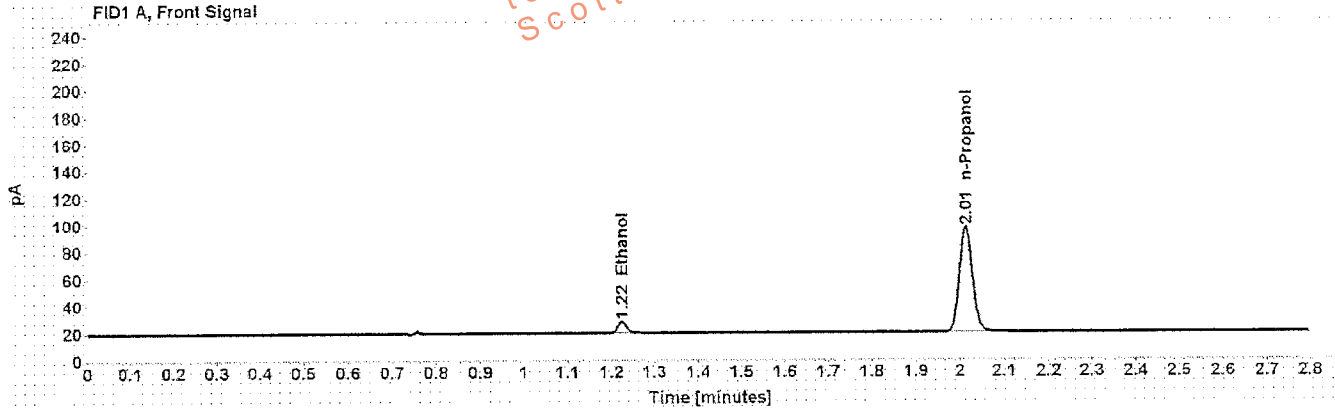


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	11.358
n-Propanol	2.013	160.461

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

Compound	Time (min)	Peak Area
Ethanol	1.328	11.442
n-Propanol	2.343	163.620

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 Cerilliant FN06181501	Item number:
Injection date: 9/22/2016 6:24:17 PM	Vial: 2
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>lj</i>
Data file: C:\Chem32\11\Data\22Sept16\2.D	

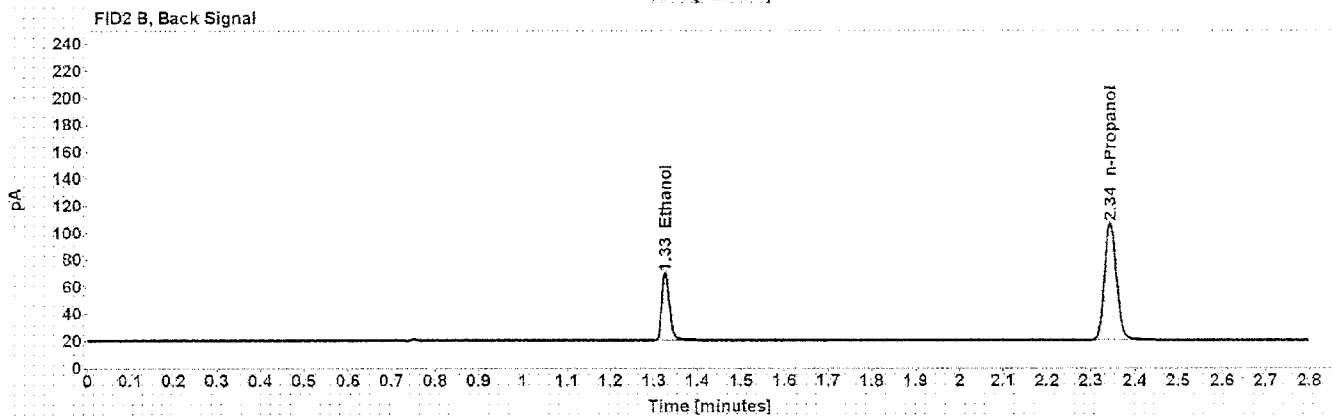
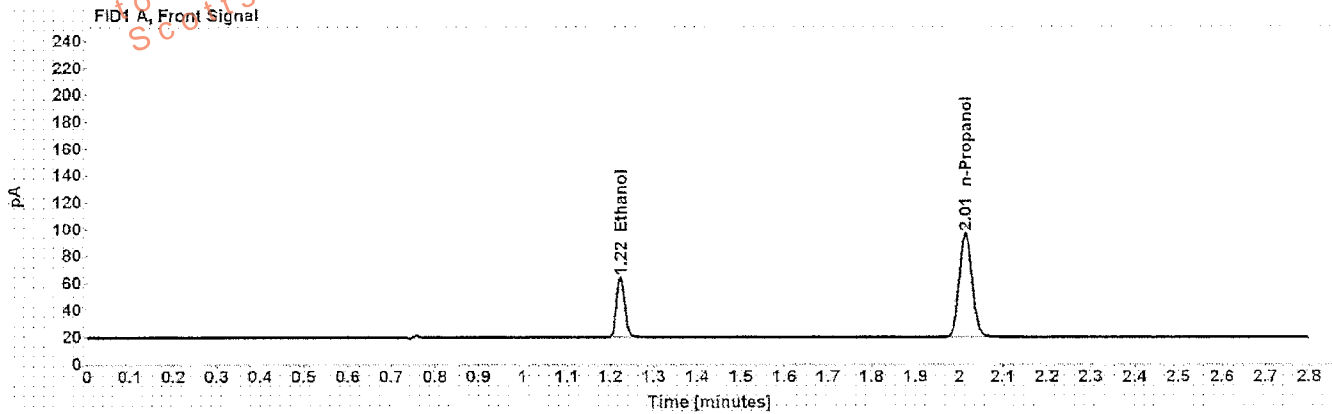


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	58.652
n-Propanol	2.014	160.130

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

Compound	Time (min)	Peak Area
Ethanol	1.326	60.085
n-Propanol	2.344	163.386

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 9/22/2016 6:28:16 PM	Vial: 3
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023-CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11Data\22Sept16\3.D	

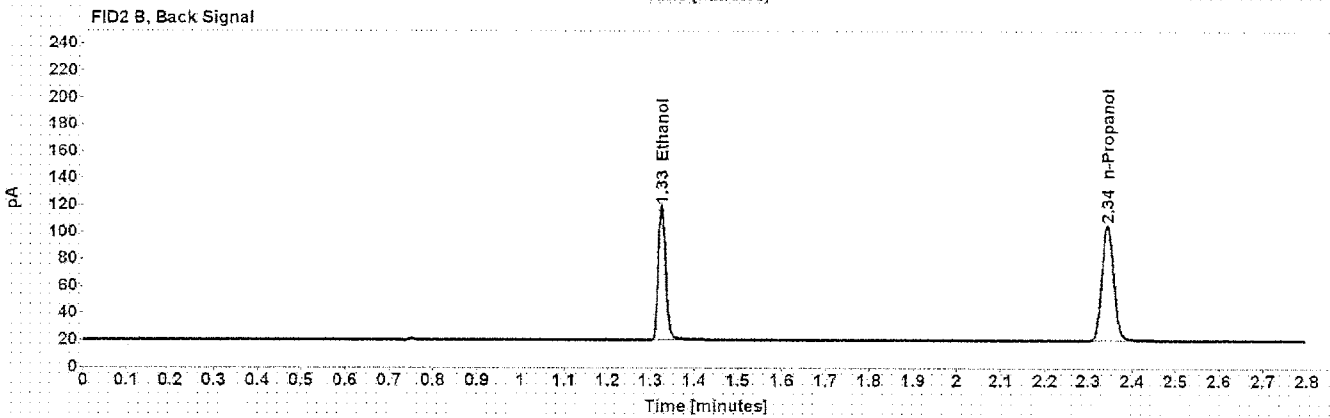
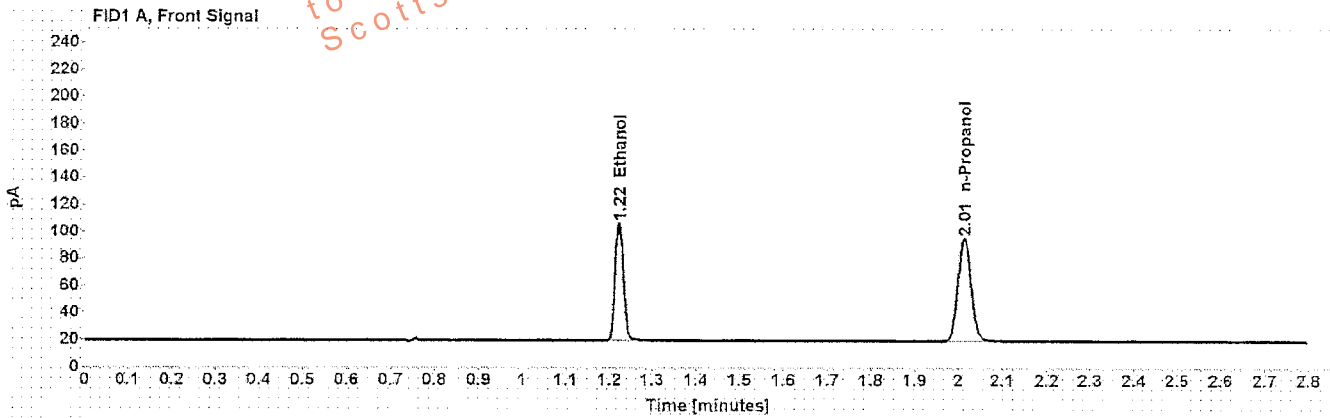


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	116.080
n-Propanol	2.013	158.099

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

Compound	Time (min)	Peak Area
Ethanol	1.325	119.199
n-Propanol	2.343	161.096

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Cerilliant FN11191402
Injection date: 9/22/2016 6:32:16 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1\Data\22Sept16\4.D

Item number:
Vial: 4
Sequence: 22Sept16
Analyst: Langan *AL*

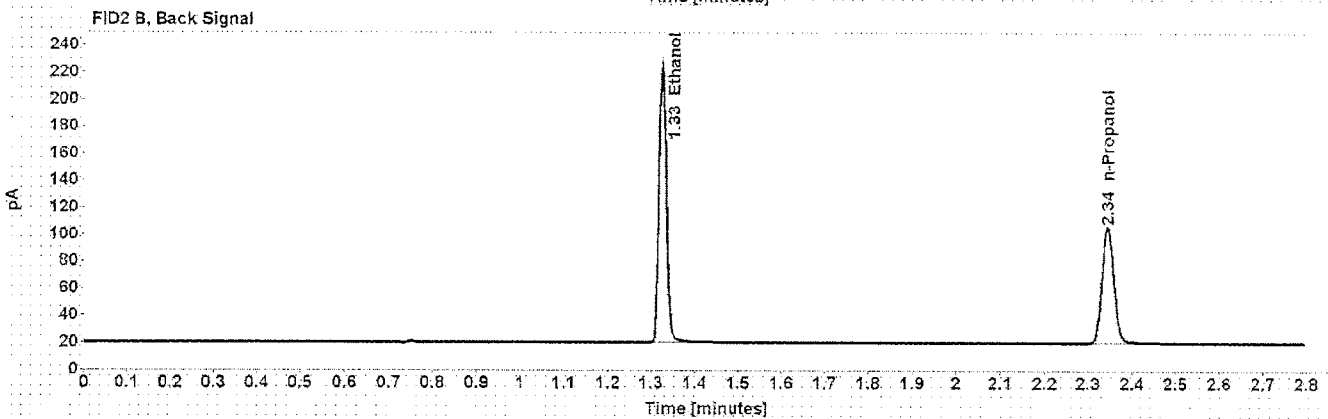
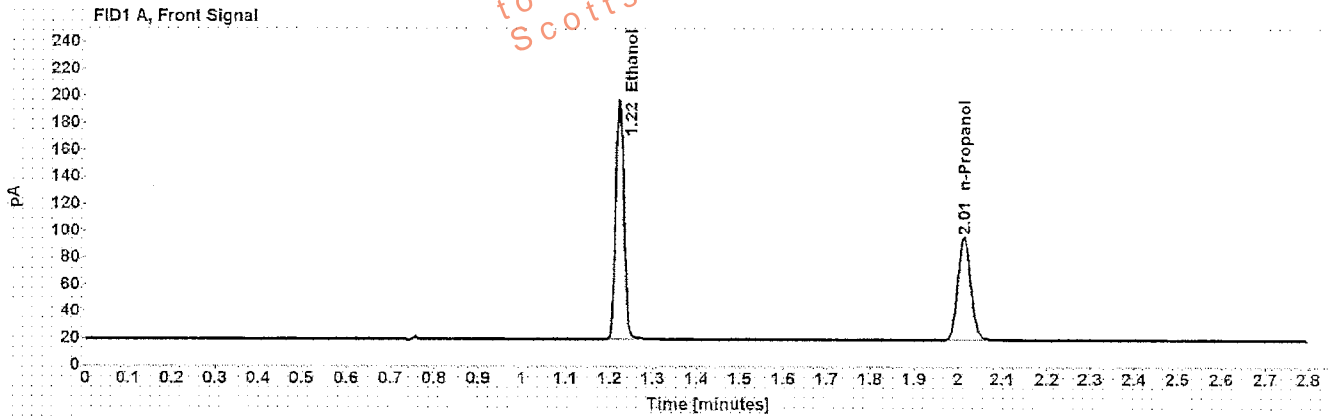


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	235.759
n-Propanol	2.013	158.701

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

Compound	Time (min)	Peak Area
Ethanol	1.325	243.052
n-Propanol	2.344	161.920

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 090816	Item number:
Injection date: 9/22/2016 6:36:16 PM	Vial: 5
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\11\Data\22Sept16\5.D	

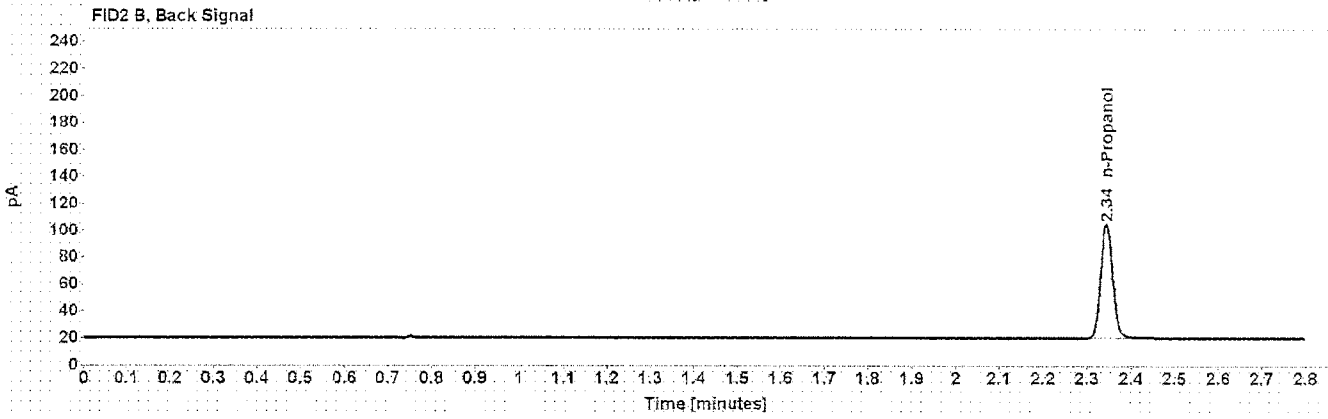
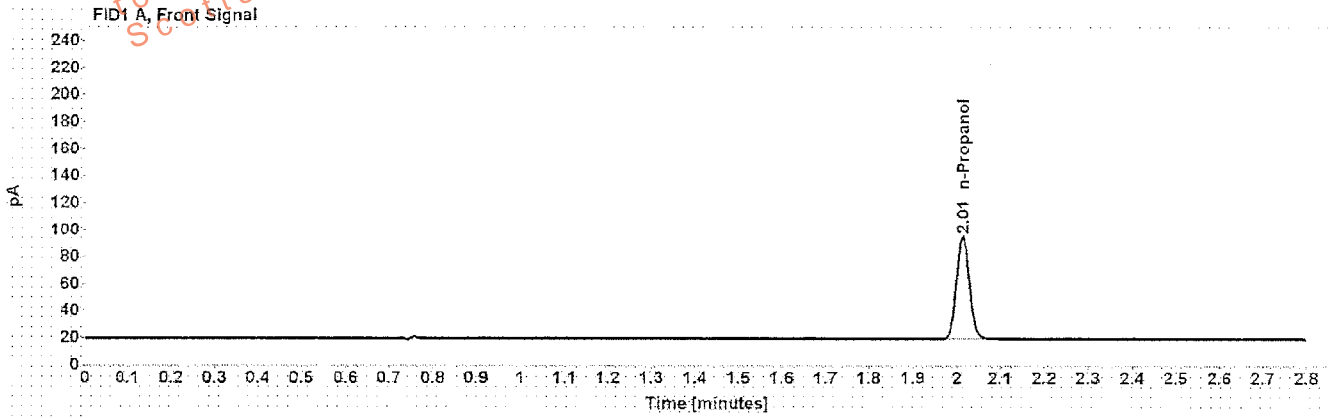


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	157.509

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

Compound	Time (min)	Peak Area
n-Propanol	2.343	160.575

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 030916 ASL	Item number:
Injection date: 9/22/2016 6:40:16 PM	Vial: 6
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023-CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\22Sept16\6.D	

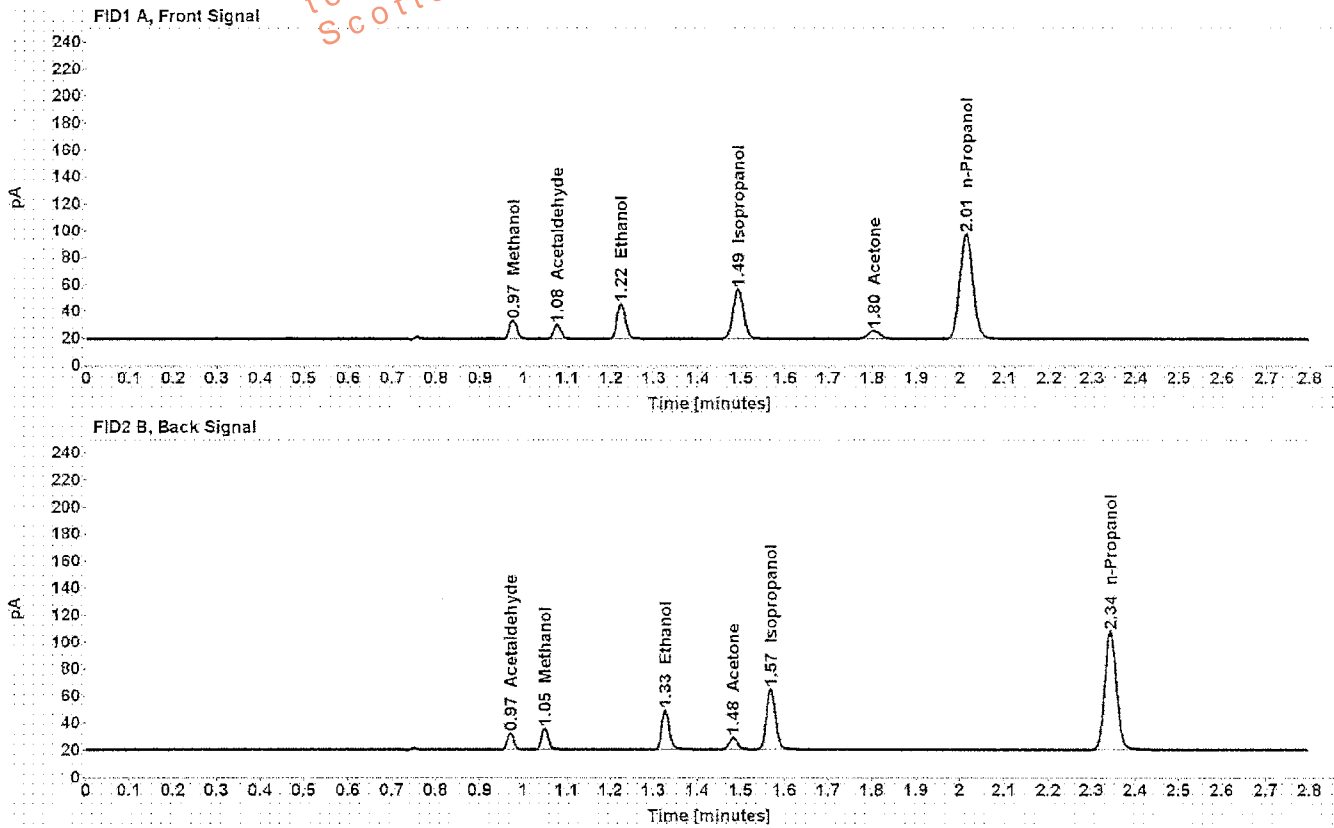


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.975	16.376
Acetaldehyde	-----	1.076	11.936
>Ethanol	0.0594	1.223	34.701
Isopropanol	-----	1.492	62.339
Acetone	-----	1.804	11.268
n-Propanol	-----	2.013	161.391

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	12.636
Methanol	1.049	16.709
Ethanol	1.326	35.336
Acetone	1.483	11.250
Isopropanol	1.569	64.212
n-Propanol	2.343	164.661

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Lipomed 05012012-C	Item number:
Injection date: 9/22/2016 6:44:31 PM	Vial: 7
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\22Sept16\7.D	

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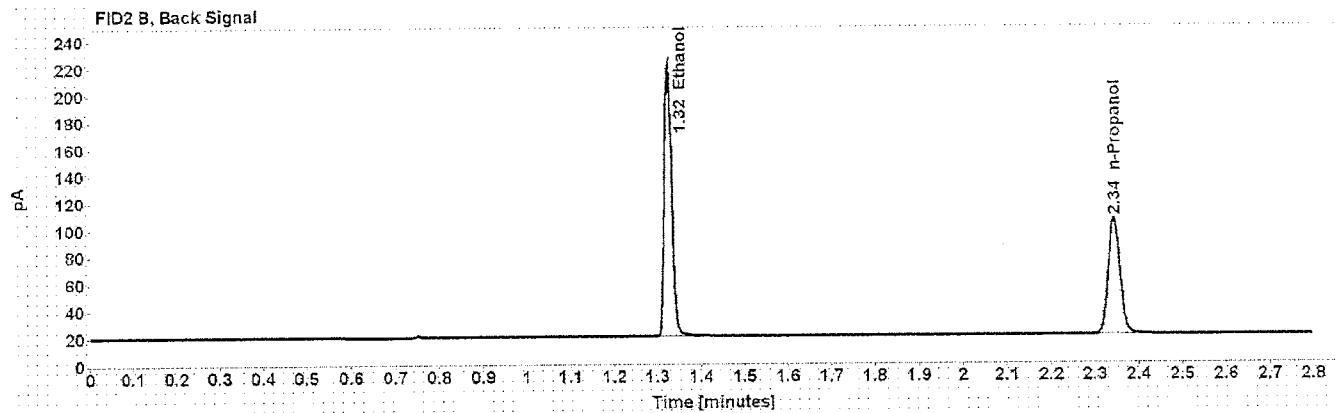
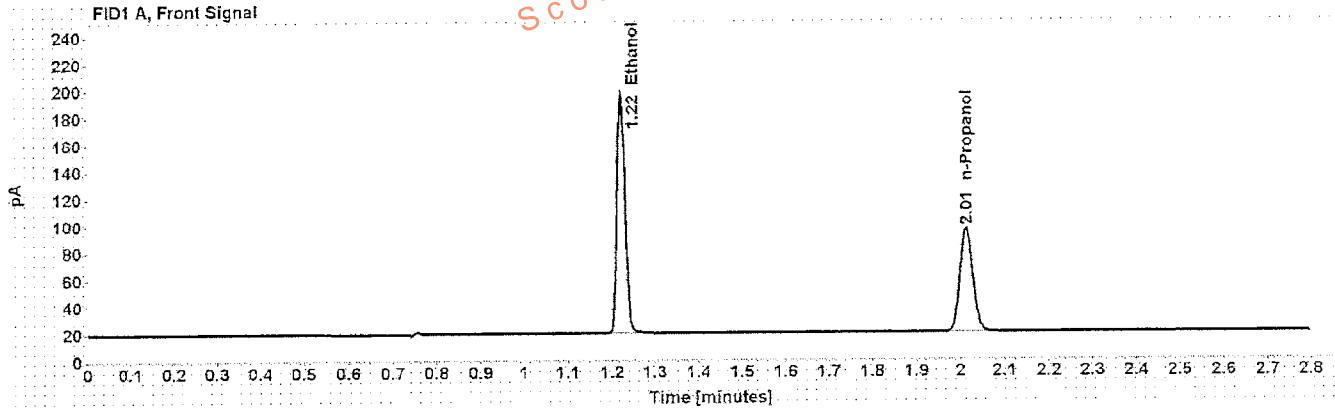


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3972	1.222	233.919
n-Propanol	-----	2.013	158.803

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

Compound	Time (min)	Peak Area
Ethanol	1.325	240.752
n-Propanol	2.343	161.819

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 30112011-B	Item number:
Injection date: 9/22/2016 6:48:31 PM	Vial: 8
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan, A
Data file: C:\Chem32\1\Data\22Sept16\8.D	

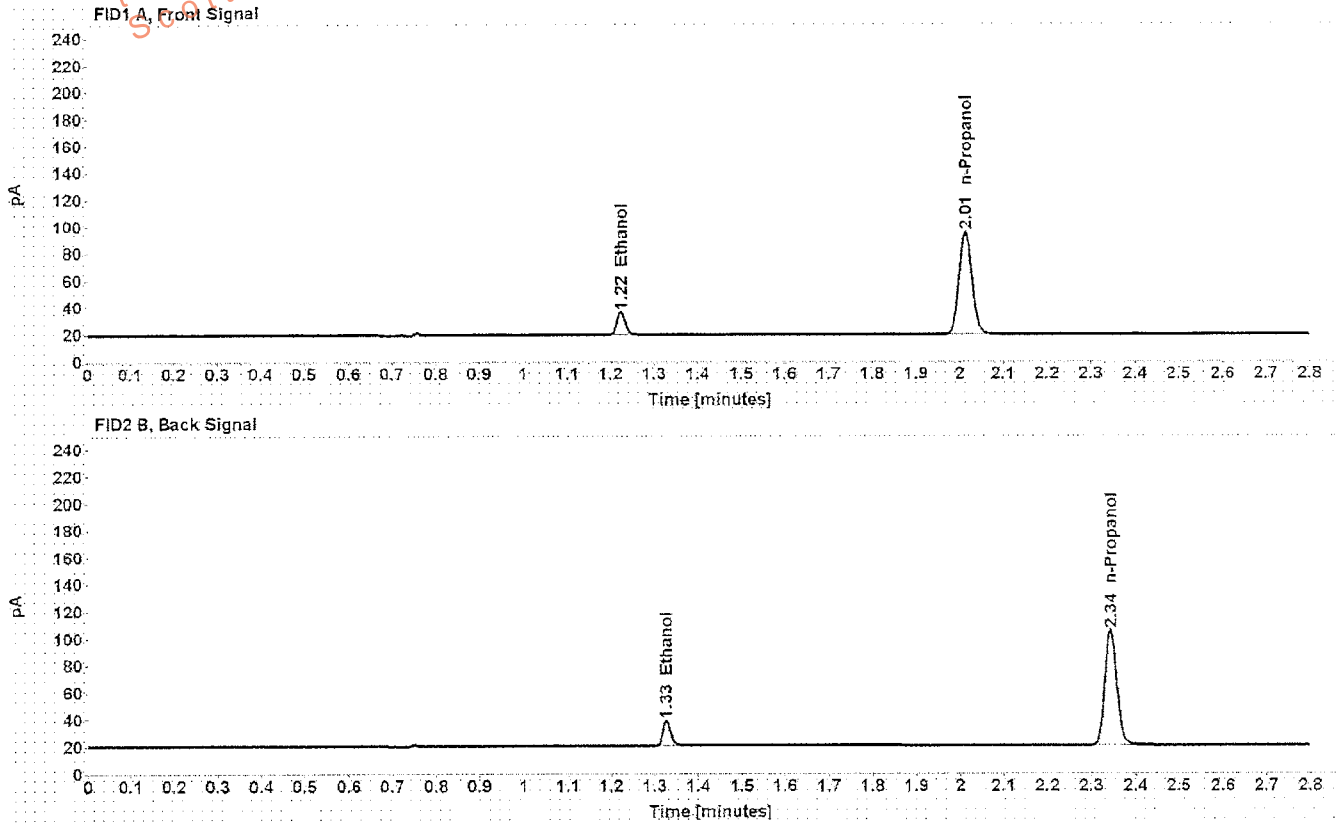


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0396	1.224	22.249
n-Propanol	-----	2.013	157.279

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

Compound	Time (min)	Peak Area
Ethanol	1.327	22.680
n-Propanol	2.343	160.789

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 9/22/2016 6:52:31 PM	Vial: 9
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023-CN14160045	Analyst: Langan, J
Data file: C:\Chem32\11\Data\22Sept16\9.D	

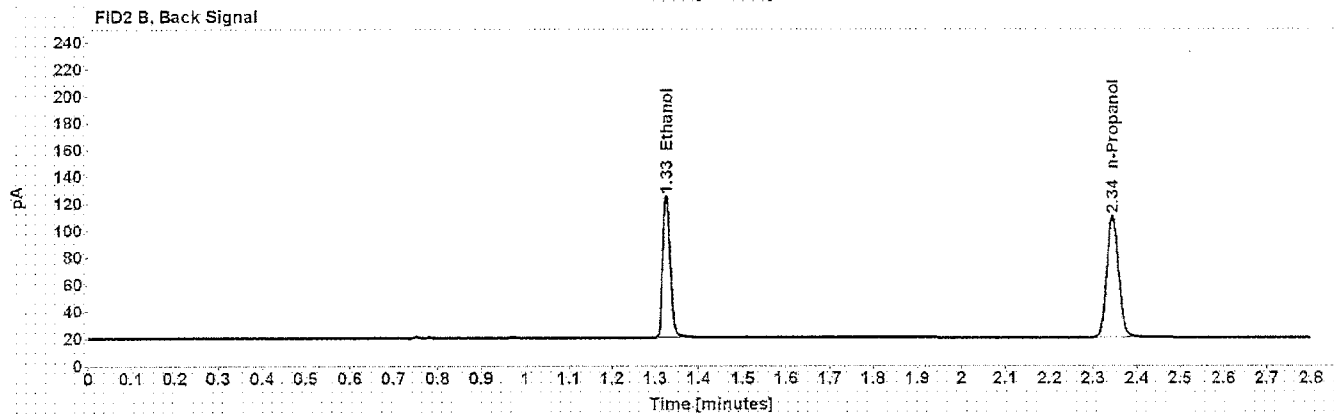
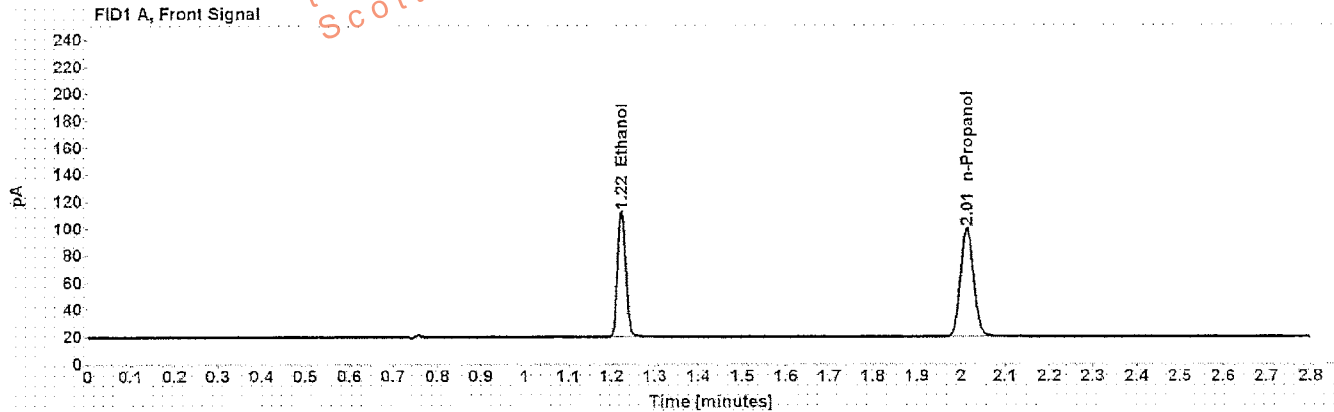


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2007	1.223	122.833
n-Propanol	-----	2.014	165.663

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

Compound	Time (min)	Peak Area
Ethanol	1.326	126.303
n-Propanol	2.344	169.825

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 9/22/2016 7:37:02 PM	Vial: 20
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\22Sept16\20.D	

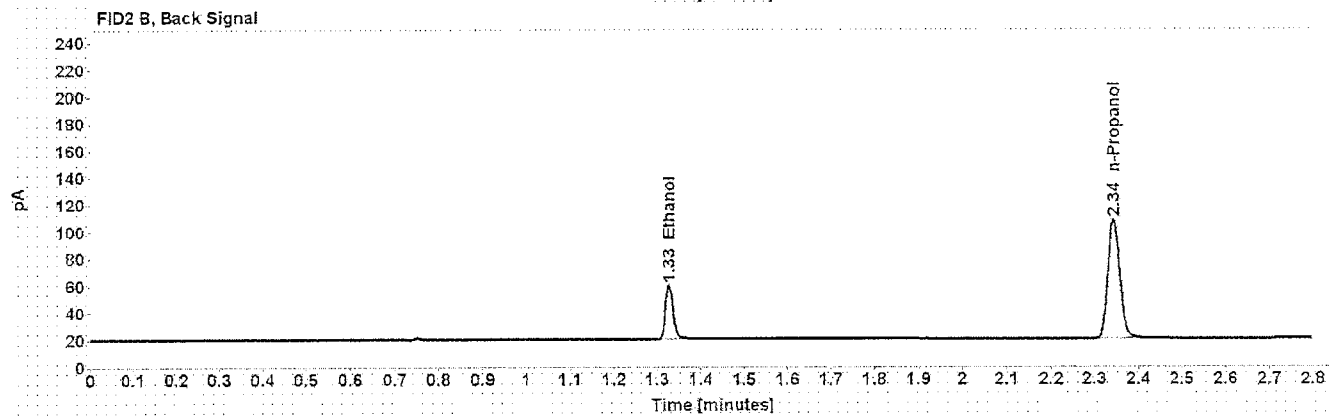
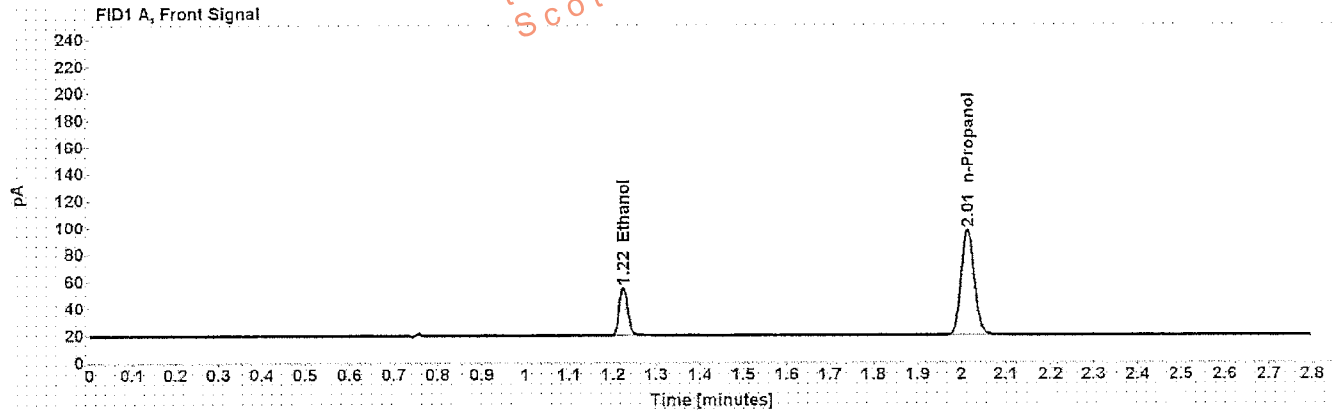


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0803	1.223	47.425
n-Propanol	-----	2.013	161.887

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

Compound	Time (min)	Peak Area
Ethanol	1.327	48.751
n-Propanol	2.344	166.155

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 11012012-C	Item number:
Injection date: 9/22/2016 8:21:31 PM	Vial: 31
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\22Sept16\31.D	

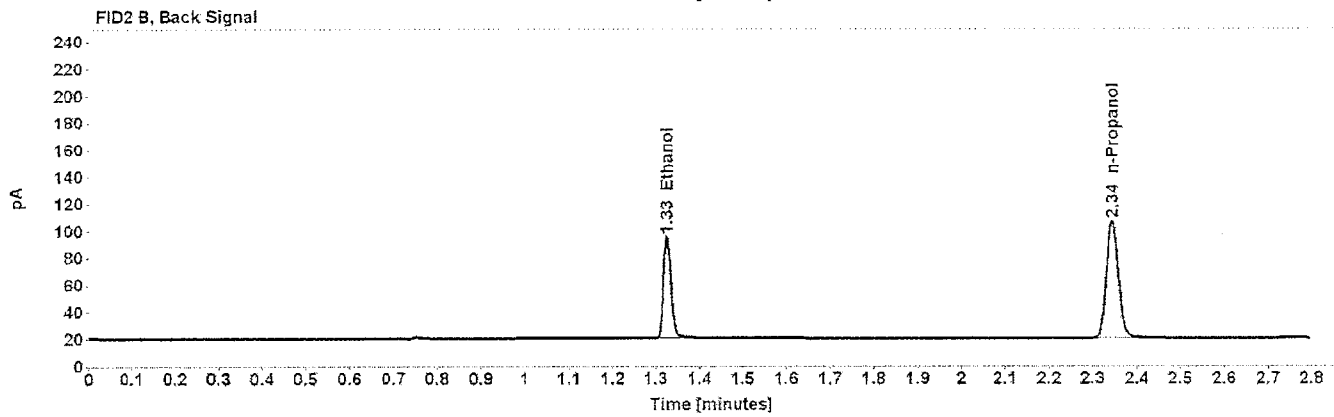
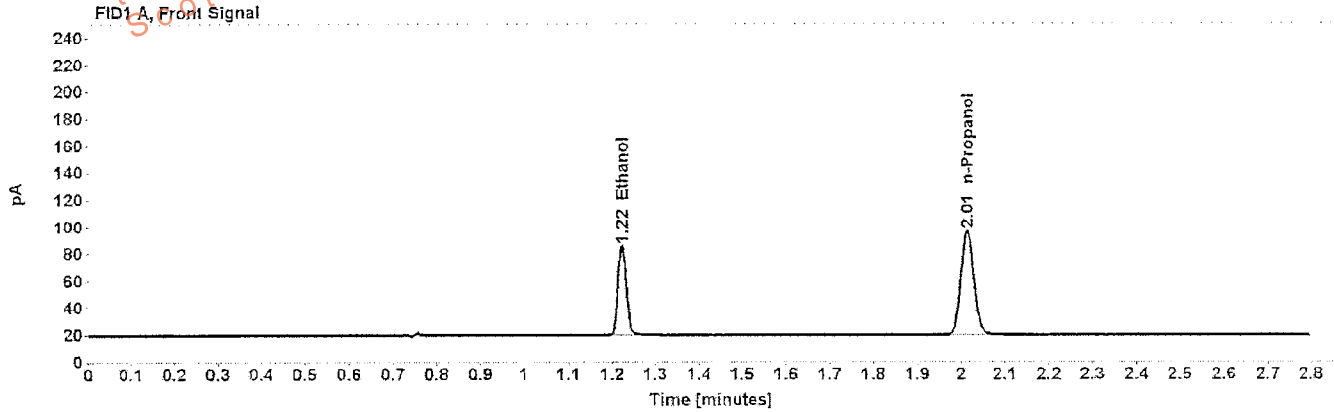


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1500	1.223	88.329
n-Propanol	-----	2.013	159.864

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

Compound	Time (min)	Peak Area
Ethanol	1.326	91.104
n-Propanol	2.344	164.112

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number: 42
Injection date: 9/22/2016 9:05:46 PM	Vial: 42
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023-CN14160045	Analyst: Langan A1
Data file: C:\Chem32\11Data\22Sept16\42.D	

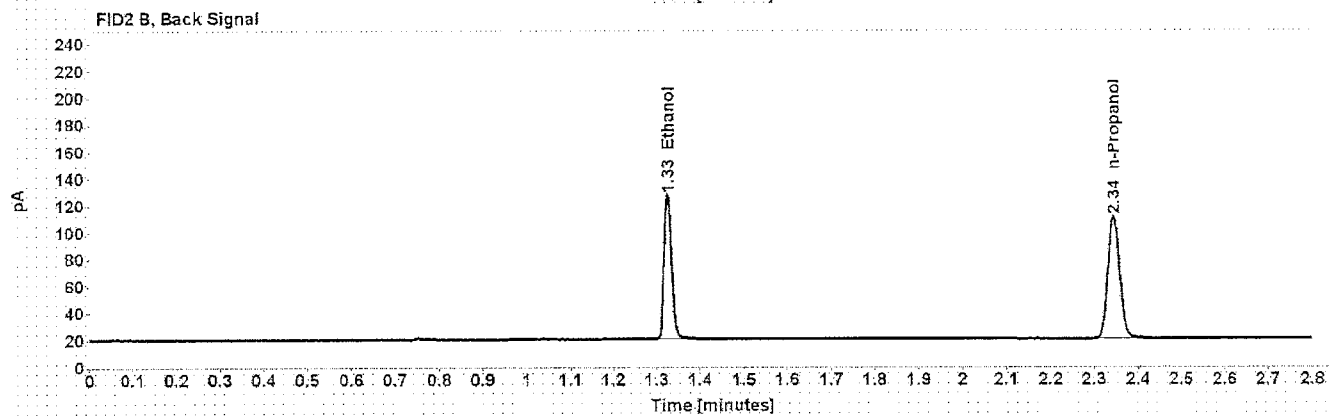
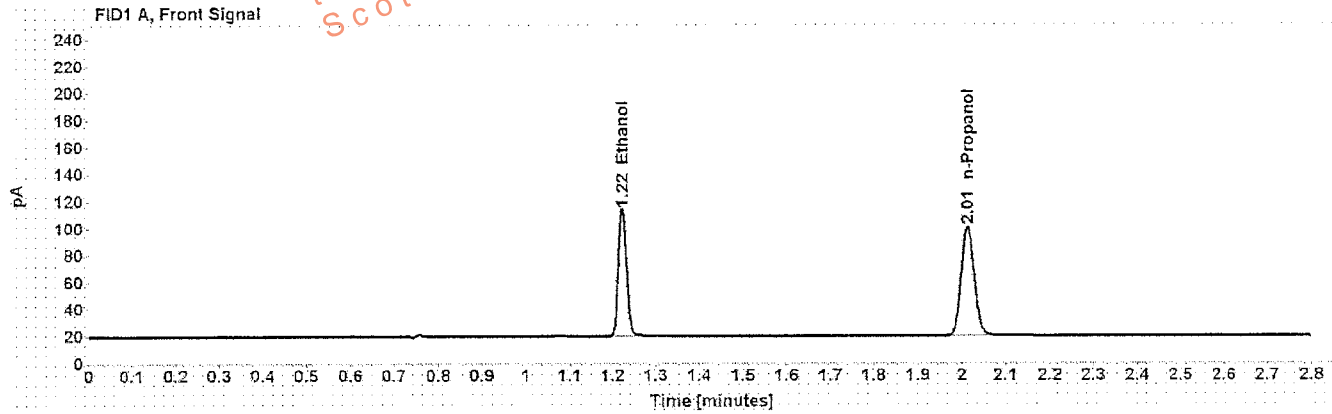


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2024	1.223	124.843
n-Propanol	-----	2.013	167.012

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

Compound	Time (min)	Peak Area
Ethanol	1.325	128.998
n-Propanol	2.344	171.673

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 9/22/2016 9:50:16 PM	Vial: 53
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>PL</i>
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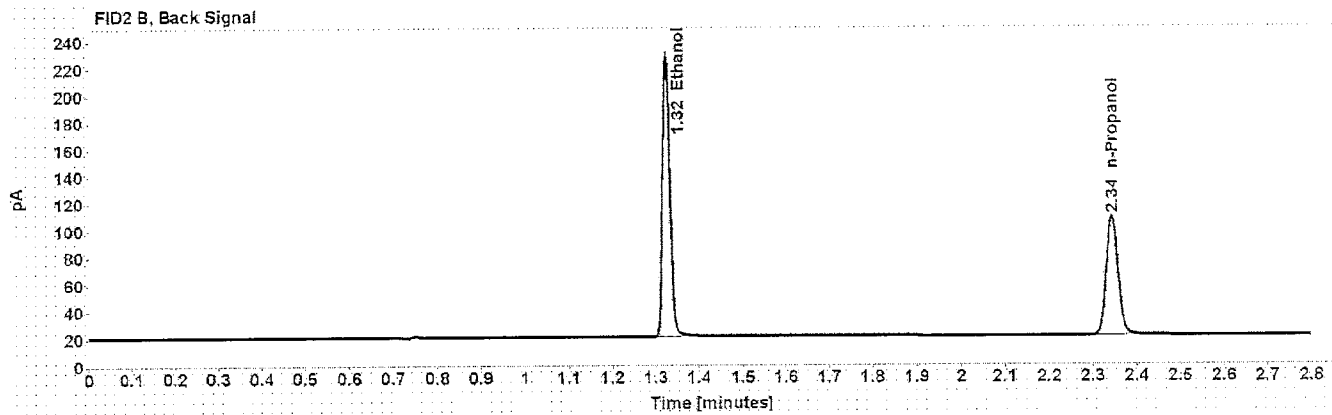
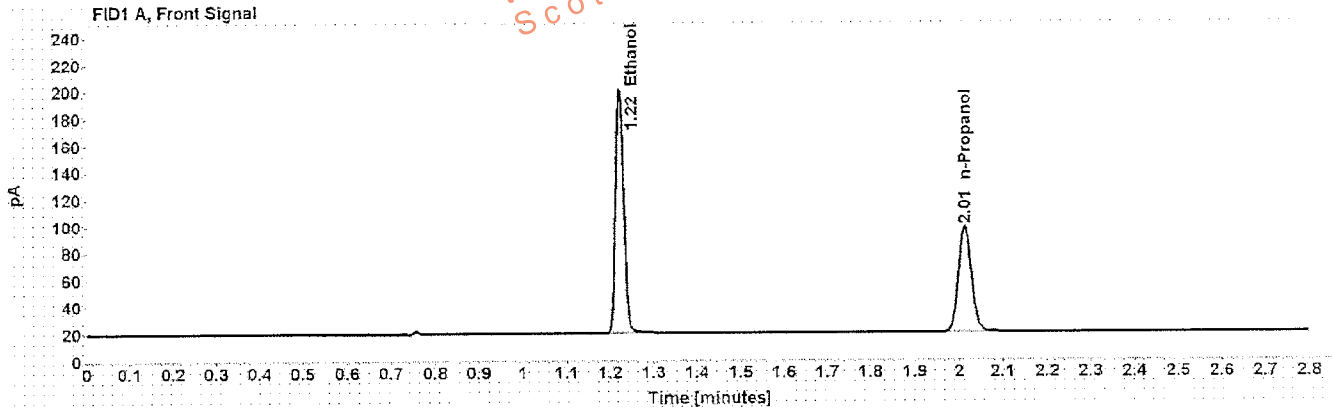


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4005	1.222	240.280
n-Propanol	-----	2.013	161.767

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

Compound	Time (min)	Peak Area
Ethanol	1.325	248.467
n-Propanol	2.344	166.271

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 9/22/2016 9:54:16 PM	Vial: 54
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
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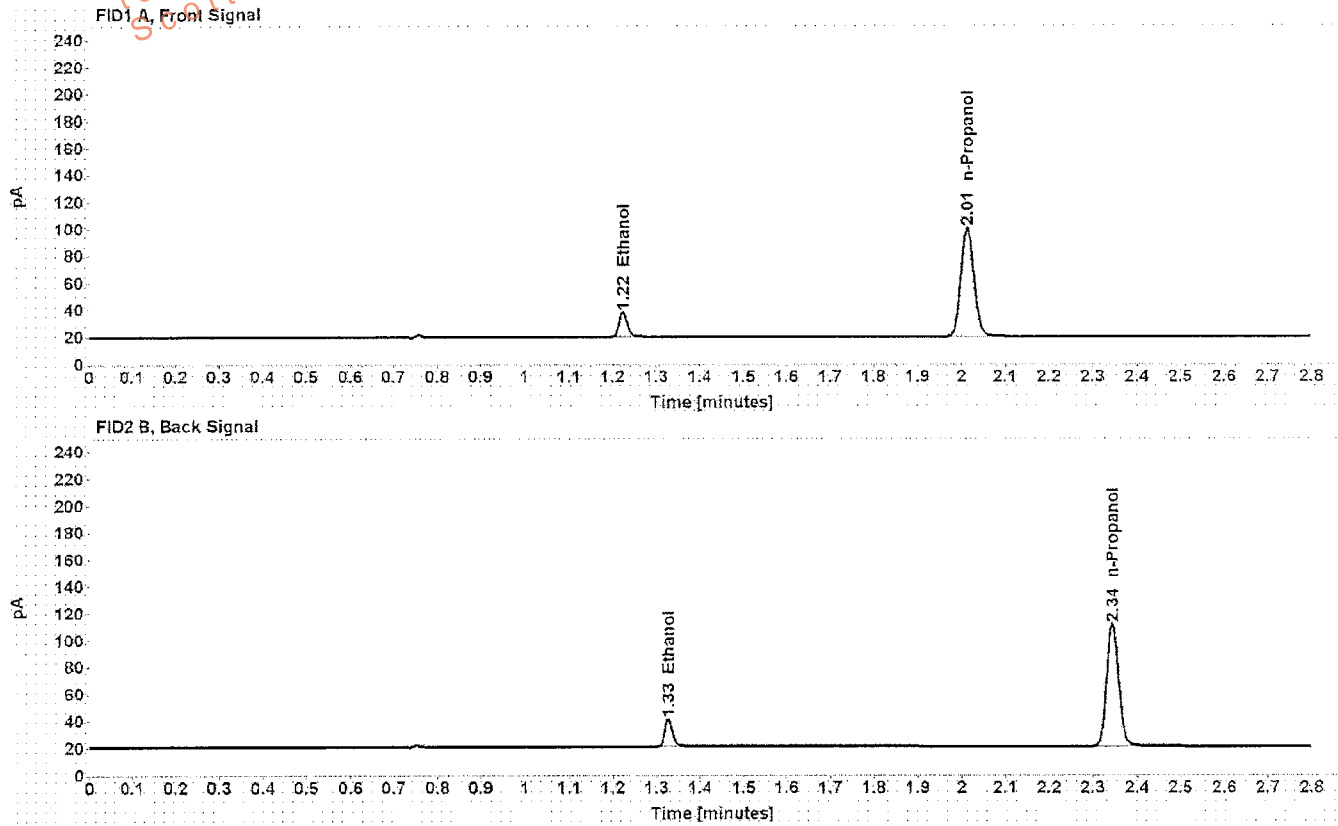


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.224	24.102
n-Propanol	-----	2.013	166.295

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

Compound	Time (min)	Peak Area
Ethanol	1.327	24.650
n-Propanol	2.344	171.114

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 9/22/2016 9:58:31 PM	Vial: 55
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023-CN14160045	Analyst: Langan <i>AL</i>
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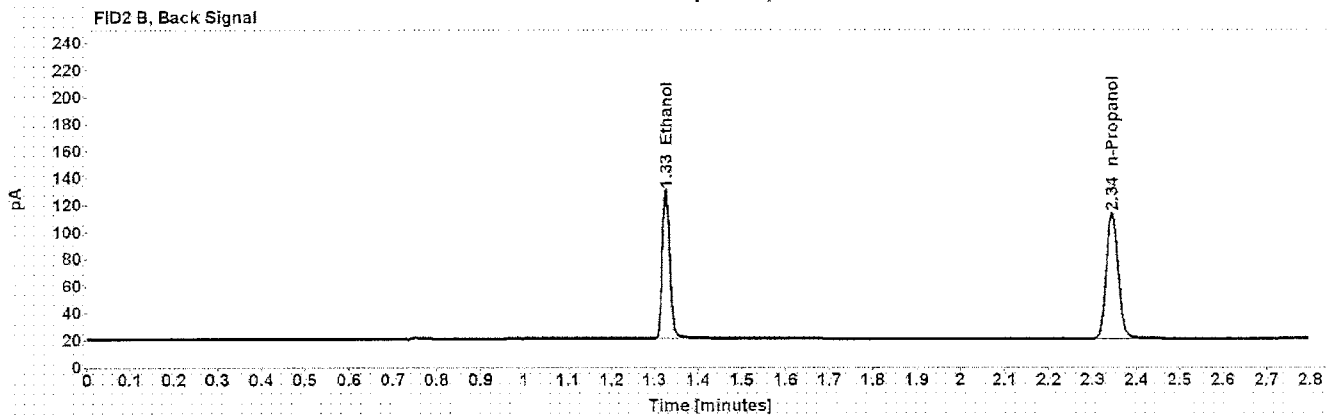
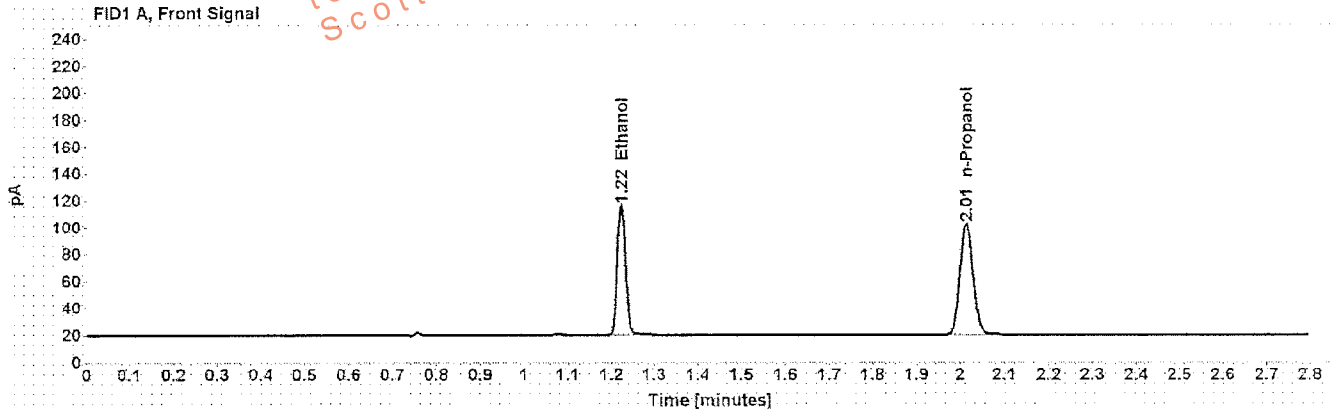


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2028	1.223	127.581
n-Propanol	-----	2.014	170.351

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

Compound	Time (min)	Peak Area
Ethanol	1.326	131.995
n-Propanol	2.344	175.511

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 090816	Item number: _____
Injection date: 9/22/2016 10:02:31 PM	Vial: 56
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan AJ
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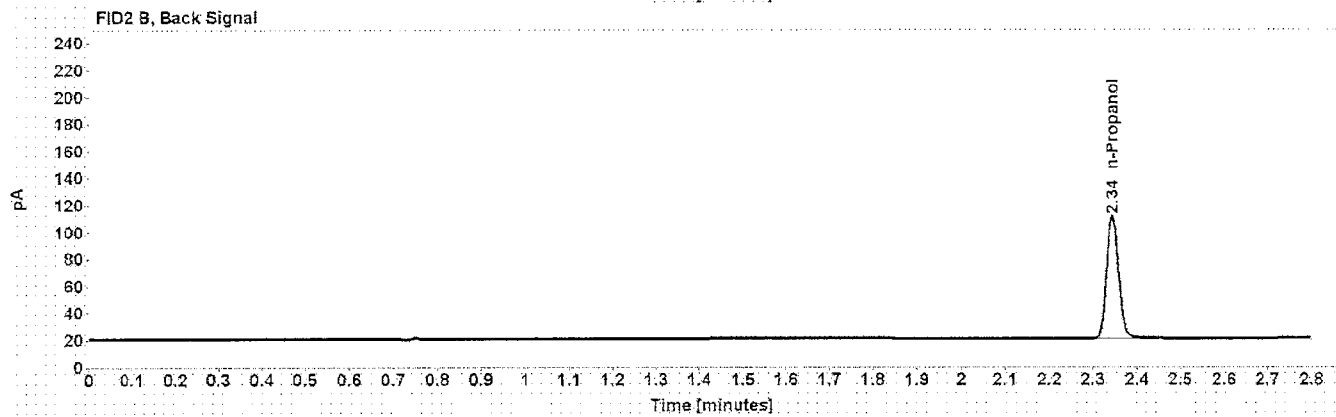
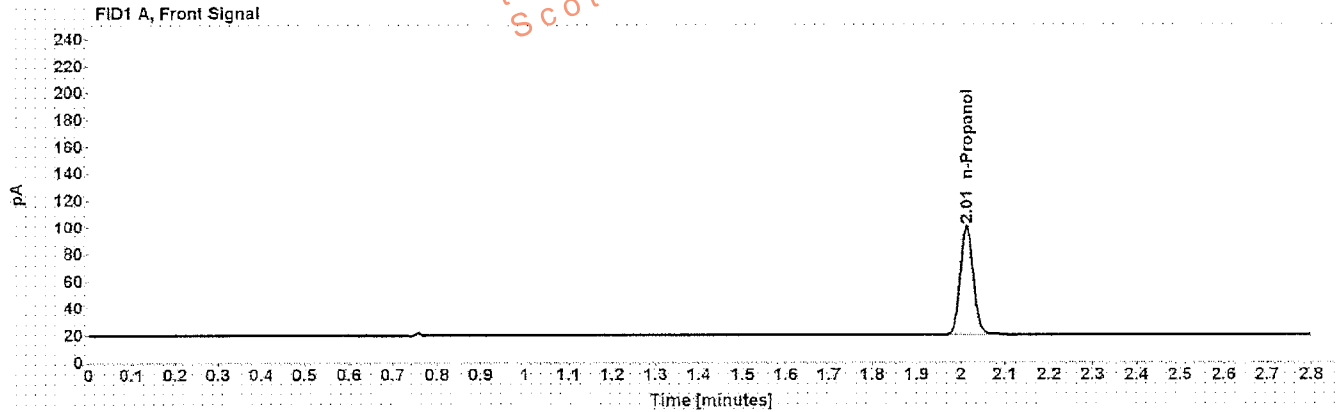


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	166.303

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	170.934

Sequence Summary

Sequence name: 22Sept16 Instrument: JS14173023 CN14160045 Analyst: Langan *AL*

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN08101401	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 090816	Control		ethanol quant.M
6	volatiles mix 030916 ASL	Control		ethanol quant.M
7	0.400 Lipomed 05012012-C	Control		ethanol quant.M
8	0.040 Lipomed 30112011-B	Control		ethanol quant.M
9	0.20 ACQ 402101060/6	Control		ethanol quant.M
10	L16- [REDACTED]	Sample	1114640	ethanol quant.M
11	L16- [REDACTED]	Sample	1114640	ethanol quant.M
12	L16- [REDACTED]	Sample	1113298	ethanol quant.M
13	L16- [REDACTED]	Sample	1113298	ethanol quant.M
14	L16- [REDACTED]	Sample	112966 <i>AL</i>	ethanol quant.M
15	L16- [REDACTED]	Sample	112966 <i>6-20-16</i>	ethanol quant.M
16	L16- [REDACTED]	Sample	327-01A	ethanol quant.M
17	L16- [REDACTED]	Sample	327-01A	ethanol quant.M
18	L16- [REDACTED]	Sample	1078373	ethanol quant.M
19	L16- [REDACTED]	Sample	1078373	ethanol quant.M
20	0.080 Lipomed 14112011-A	Control		ethanol quant.M
21	L16- [REDACTED]	Sample	1114154	ethanol quant.M
22	L16- [REDACTED]	Sample	1114154	ethanol quant.M
23	L16- [REDACTED]	Sample	1114186	ethanol quant.M
24	L16- [REDACTED]	Sample	1114186	ethanol quant.M
25	L16- [REDACTED]	Sample	1113066	ethanol quant.M
26	L16- [REDACTED]	Sample	1113066	ethanol quant.M
27	L16- [REDACTED]	Sample	1113491	ethanol quant.M
28	L16- [REDACTED]	Sample	1113491	ethanol quant.M
29	L16- [REDACTED]	Sample	1075164	ethanol quant.M
30	L16- [REDACTED]	Sample	1075164	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32	L16- [REDACTED]	Sample	1101252	ethanol quant.M
33	L16- [REDACTED]	Sample	1101252	ethanol quant.M
34	L16- [REDACTED]	Sample	1112935	ethanol quant.M
35	L16- [REDACTED]	Sample	1112935	ethanol quant.M
36	L16- [REDACTED]	Sample	1111866	ethanol quant.M
37	L16- [REDACTED]	Sample	1111866	ethanol quant.M
38	L16- [REDACTED]	Sample	1115140	ethanol quant.M
39	L16- [REDACTED]	Sample	1115140	ethanol quant.M
40	0.08 Lipomed 28082014-B	Sample		ethanol quant.M
41	0.08 Lipomed 28082014-B	Sample		ethanol quant.M
42	0.20 ACQ 402101060/6	Control		ethanol quant.M
43	0.15 Lipomed 09022015-C	Sample		ethanol quant.M
44	0.15 Lipomed 09022015-C	Sample		ethanol quant.M
45	0.40 Lipomed 08012015-C	Sample		ethanol quant.M
46	0.40 Lipomed 08012015-C	Sample		ethanol quant.M
47	0.01 Cerilliant FN10241403	Sample		ethanol quant.M

Sequence Summary

48	0.01 Cerilliant FN10241403	Sample		ethanol quant.M
49	0.02 Cerilliant FN03241604	Sample		ethanol quant.M
50	0.02 Cerilliant FN03241604	Sample		ethanol quant.M
51	0.30 Cerilliant FN02121601	Sample		ethanol quant.M
52	0.30 Cerilliant FN02121601	Sample		ethanol quant.M
53	0.40 Lipomed 05012012-C	Control		ethanol quant.M
54	0.04 Lipomed 30112011-B	Control		ethanol quant.M
55	0.20 ACQ 402101060/6	Control		ethanol quant.M
56	blank 090816	Control		ethanol quant.M

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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1114640
Injection date: 9/22/2016 6:56:32 PM	Vial: 10
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\22Sept16\10.D	

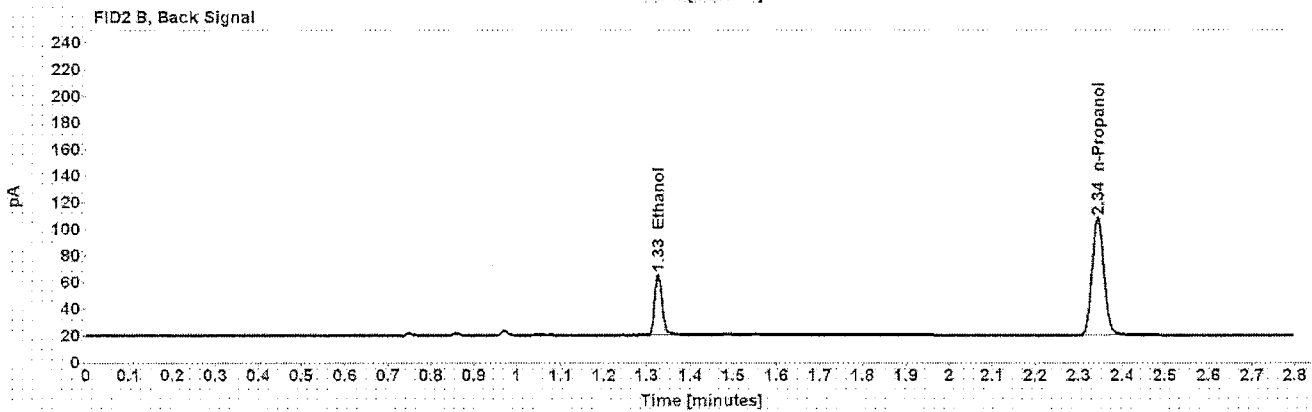
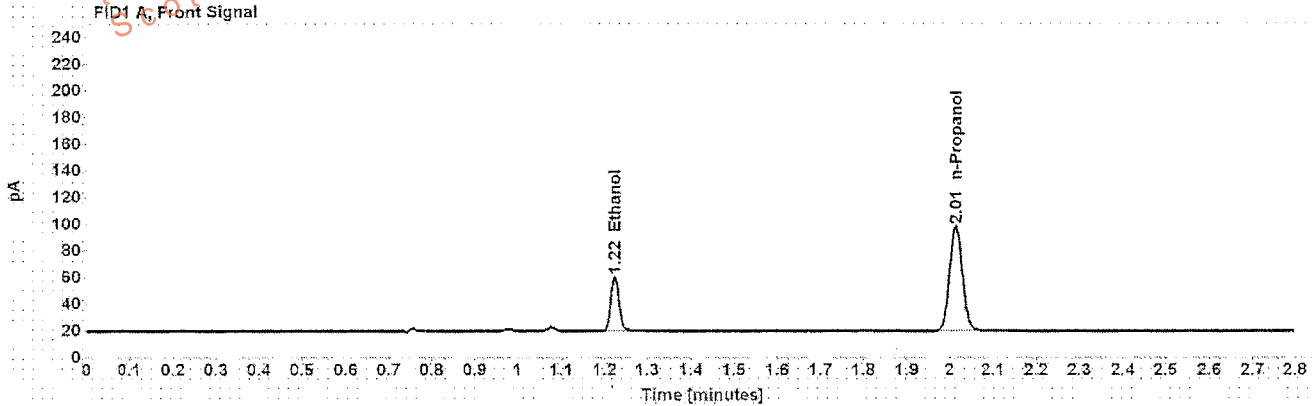


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0909	1.223	53.844
n-Propanol	-----	2.013	161.917

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

Compound	Time (min)	Peak Area
Ethanol	1.326	55.113
n-Propanol	2.344	166.019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1114640
Injection date: 9/22/2016 7:00:32 PM	Vial: 11
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\22Sept16\11.D	

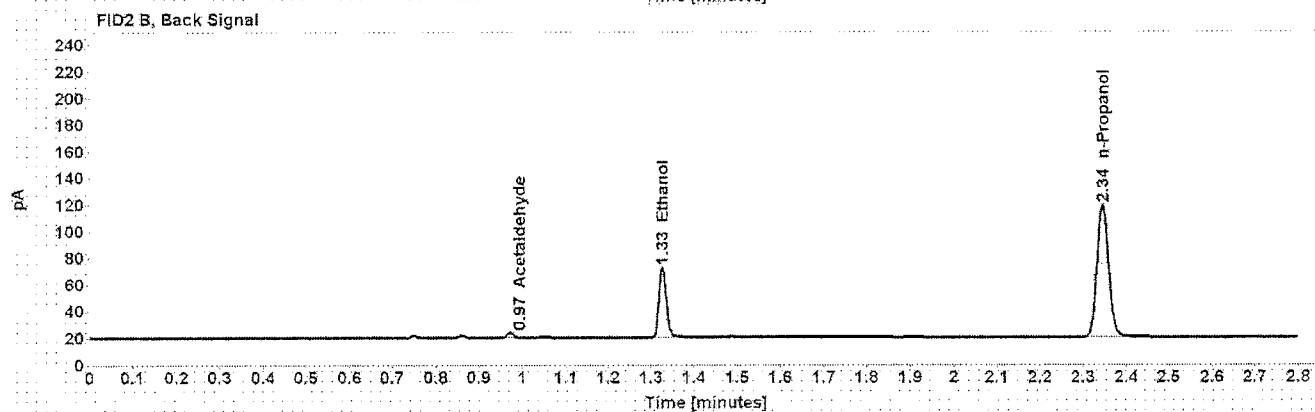
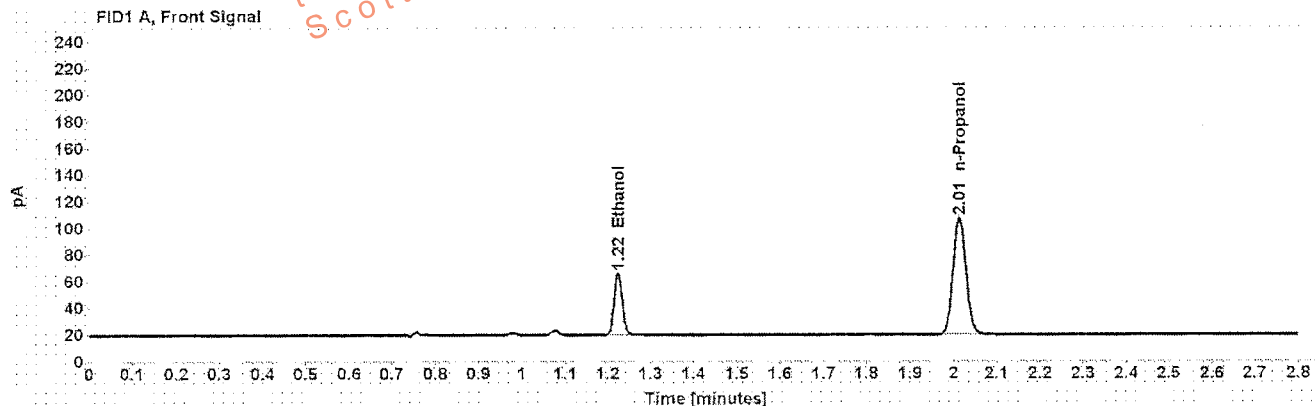


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0928	1.224	61.500
n-Propanol	-----	2.014	181.152

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.881
Ethanol	1.327	63.555
n-Propanol	2.345	186.096

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1113298
Injection date:	9/22/2016 7:04:31 PM	Vial:	12
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\22Sept16\12.D		

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Scottsdale City Prosecutor

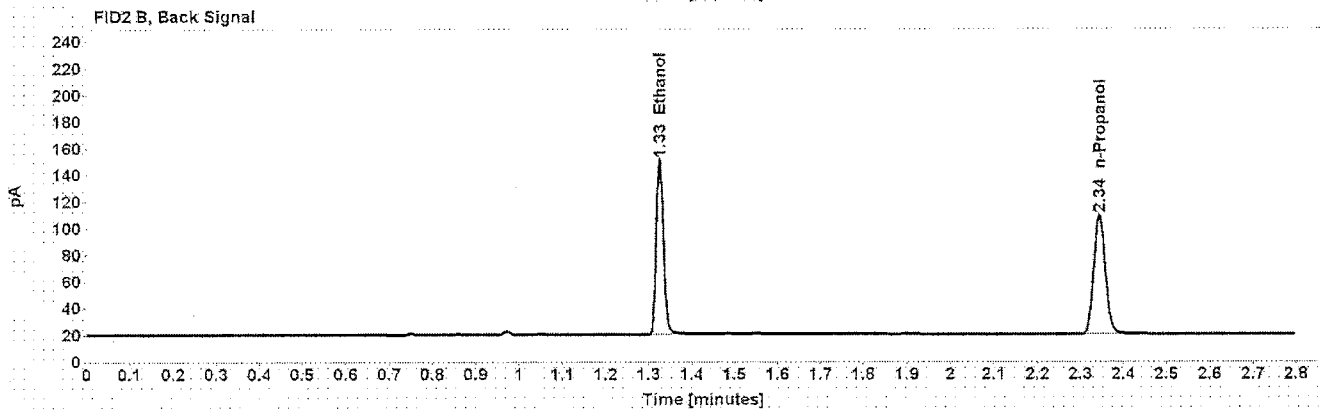
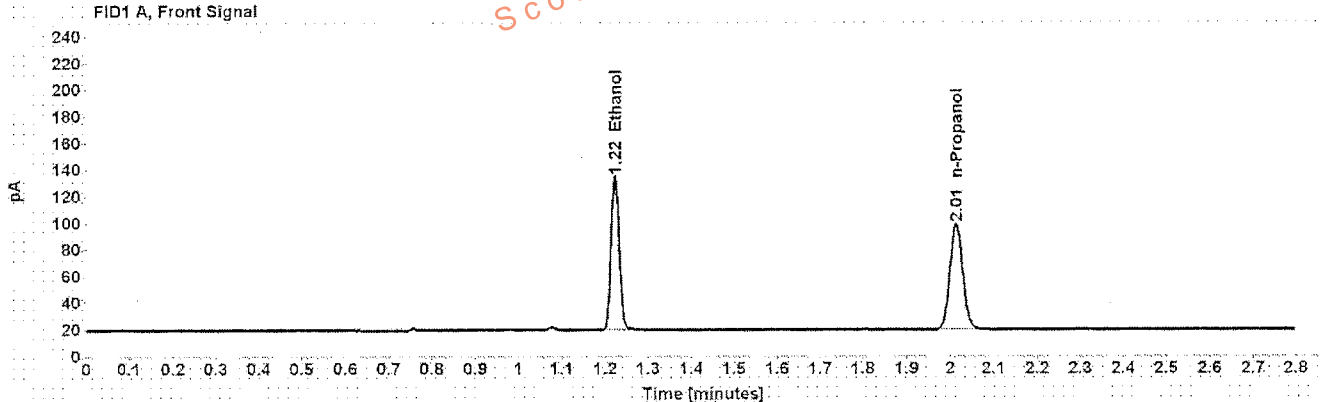


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2532	1.223	153.124
n-Propanol	---	2.013	163.483

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

Compound	Time (min)	Peak Area
Ethanol	1.326	157.715
n-Propanol	2.344	167.629

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113298
Injection date: 9/22/2016 7:08:46 PM	Vial: 13
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\22Sept16\13.D	

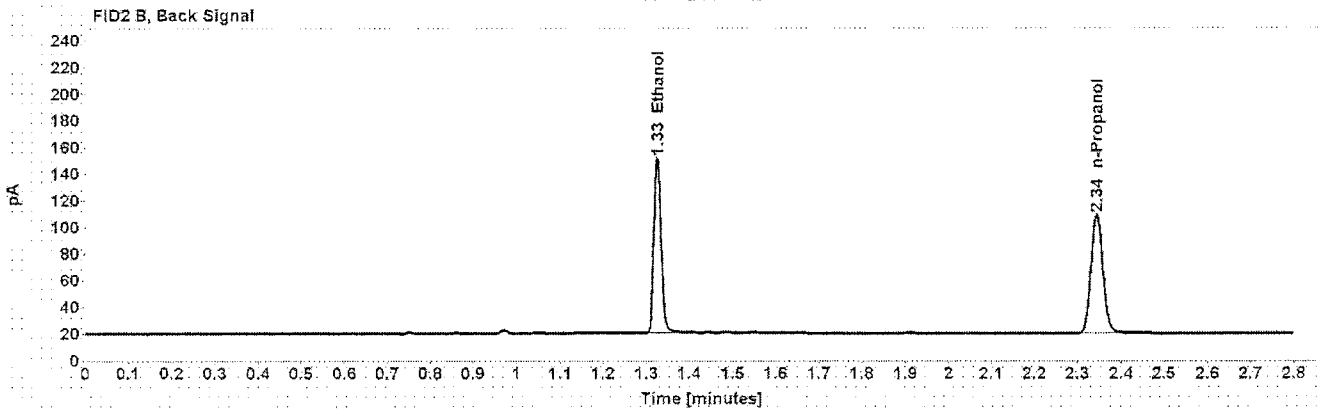
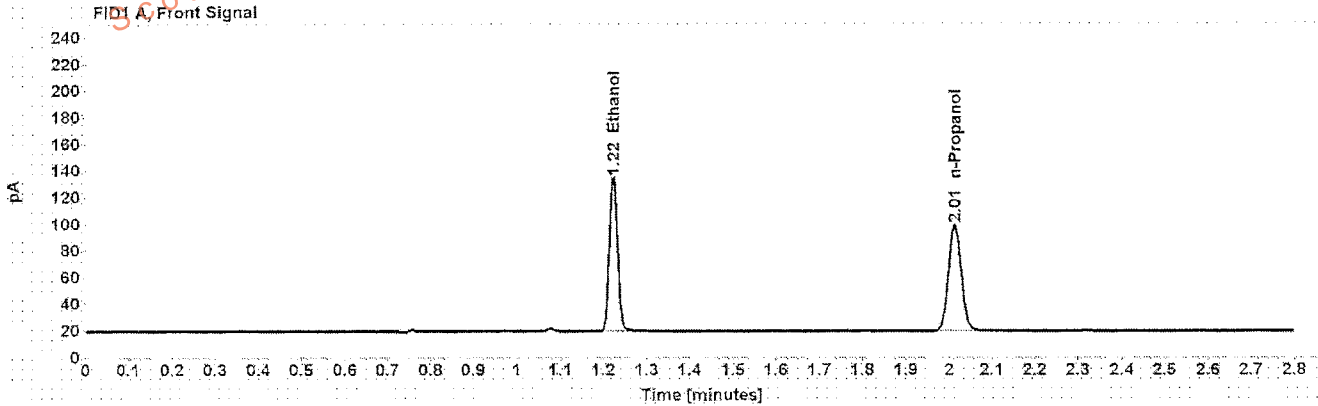


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2522	1.223	152.873
n-Propanol	-----	2.013	163.870

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

Compound	Time (min)	Peak Area
Ethanol	1.325	157.829
n-Propanol	2.344	168.029

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	112966 <small>9-26-16</small>
Injection date:	9/22/2016 7:12:46 PM	Vial:	14
Method:	ethanol quant M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1>Data\22Sept16\14.D		

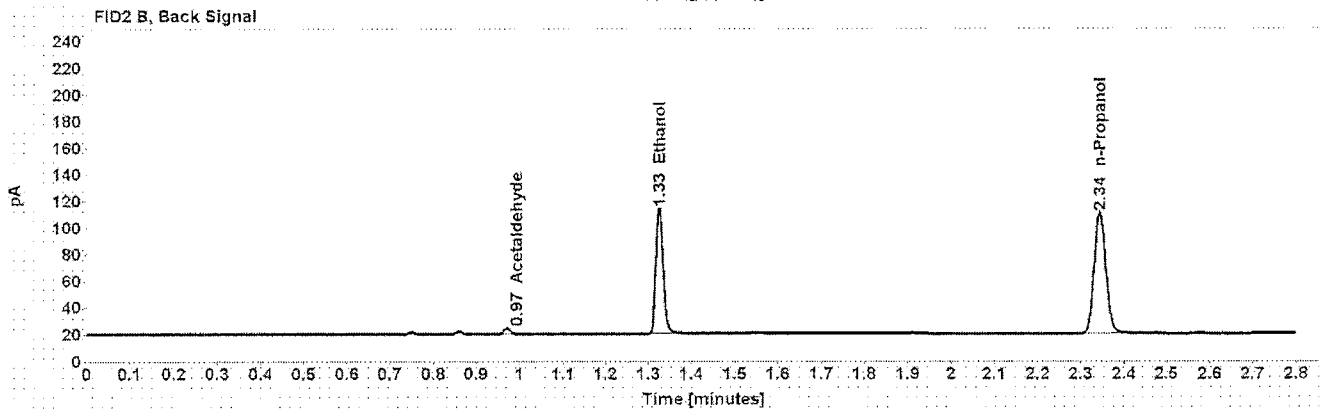
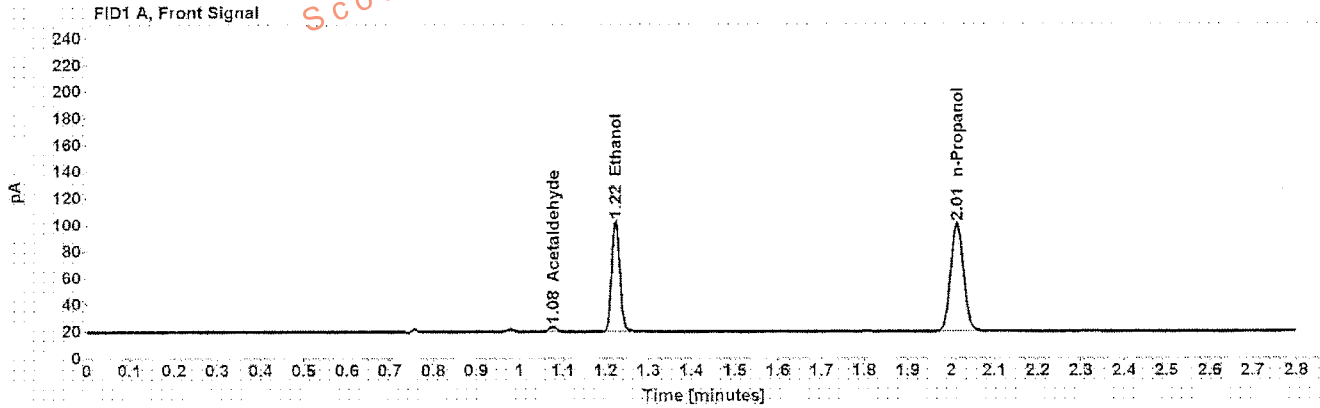


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.133
>Ethanol	0.1793	1.223	109.805
n-Propanol	-----	2.014	166.014

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.425
Ethanol	1.326	113.031
n-Propanol	2.344	170.680

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 112966	Ad 9/26/16
Injection date: 9/22/2016 7:16:46 PM	Vial: 15	
Method: ethanol quant.M	Sequence: 22Sept16	
Instrument: US14173023 CN14160045	Analyst: Langan	
Data file: C:\Chem32\11\Data\22Sept16\15.D		

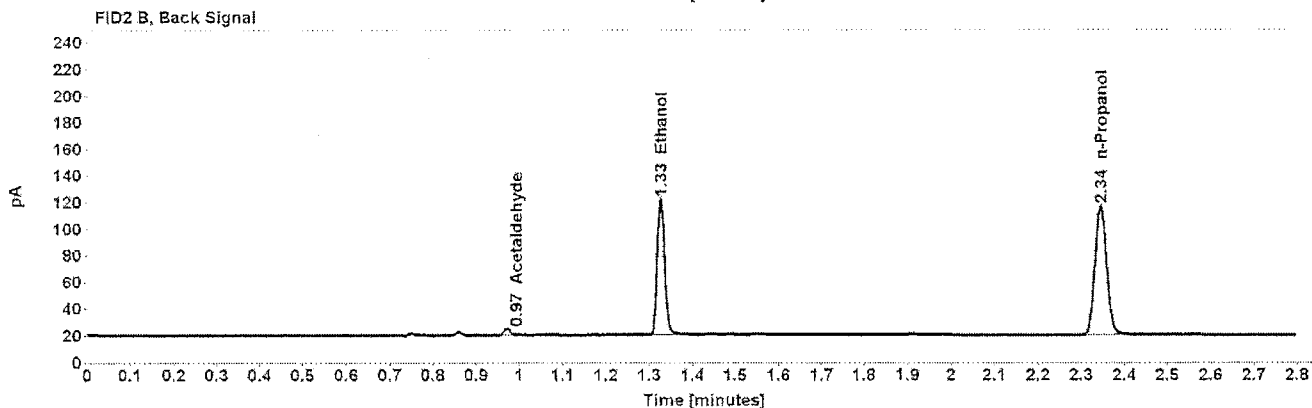
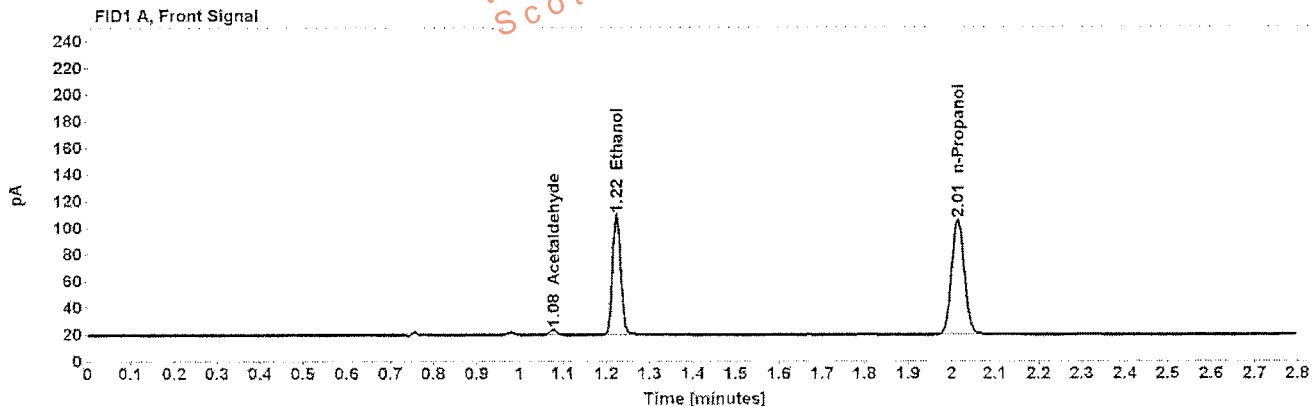


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.291
>Ethanol	0.1820	1.223	118.684
n-Propanol	-----	2.014	176.666

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.568
Ethanol	1.326	122.313
n-Propanol	2.344	181.860

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 327-01A
Injection date: 9/22/2016 7:20:46 PM	Vial: 16
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11Data\22Sept16\16.D	

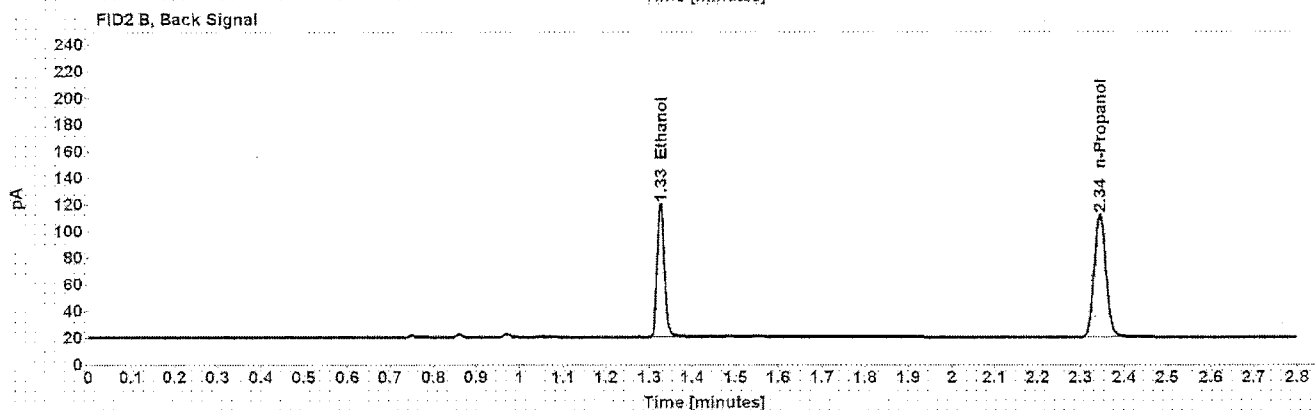
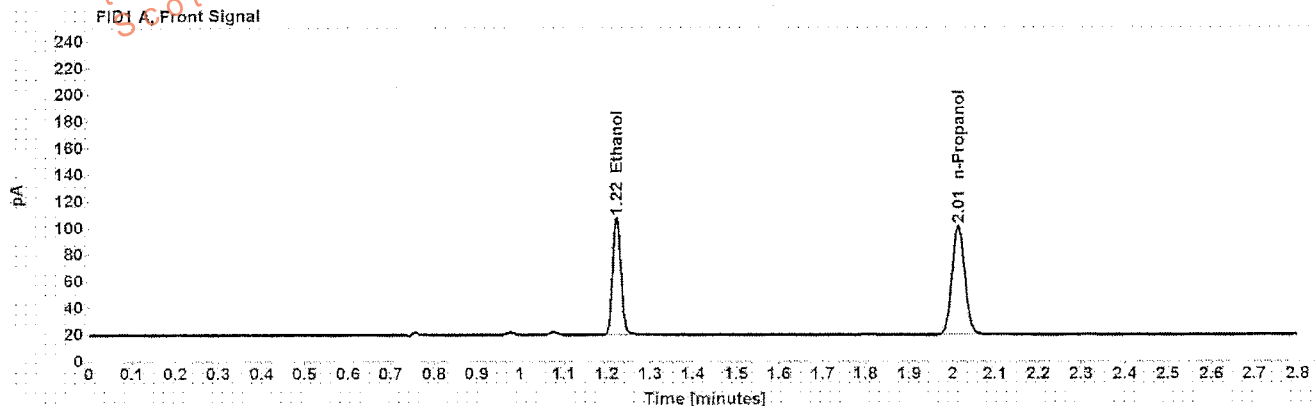


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1871	1.223	116.463
n-Propanol	-----	2.014	168.598

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

Compound	Time (min)	Peak Area
Ethanol	1.326	120.180
n-Propanol	2.344	173.544

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	327-01A
Injection date:	9/22/2016 7:24:46 PM	Vial:	17
Method:	ethanol quant M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\22Sept16\17.D		

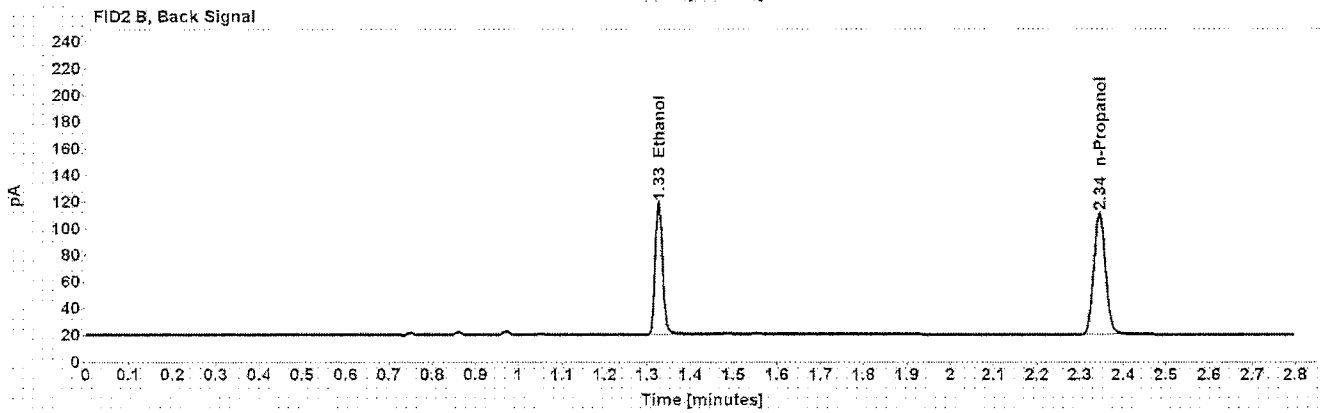
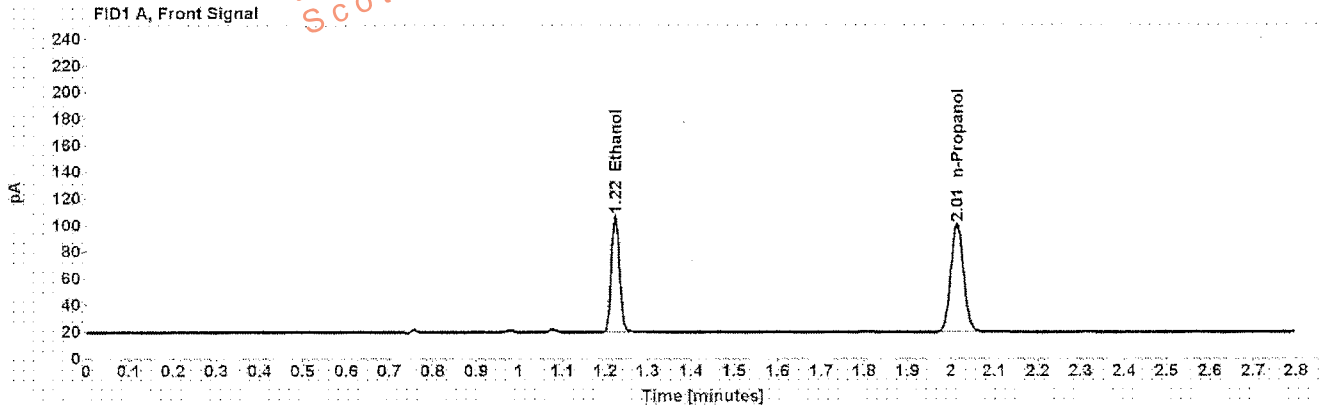


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1868	1.223	115.146
n-Propanol	-----	2.014	167.015

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

Compound	Time (min)	Peak Area
Ethanol	1.326	118.824
n-Propanol	2.345	171.776

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1078373
Injection date:	9/22/2016 7:28:46 PM	Vial:	18
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\22Sept16\18.D		

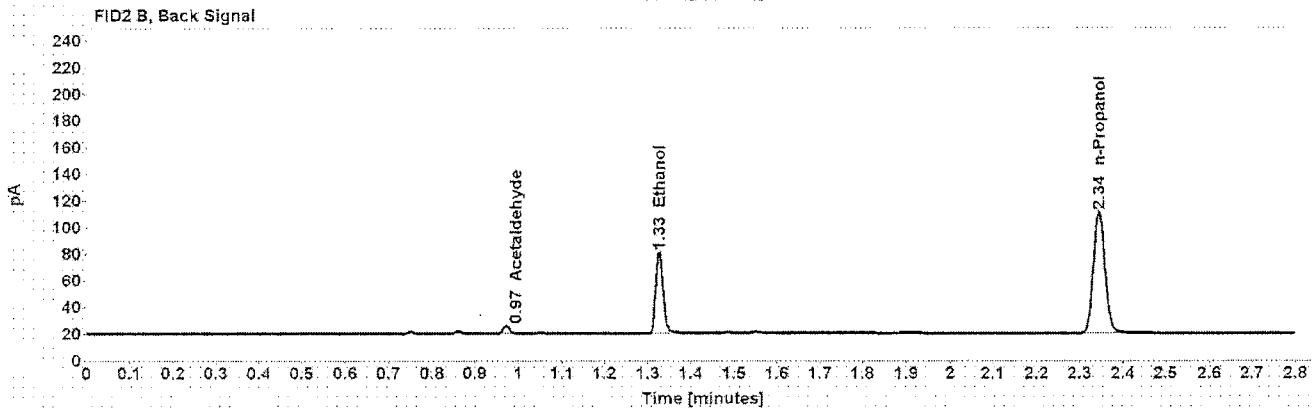
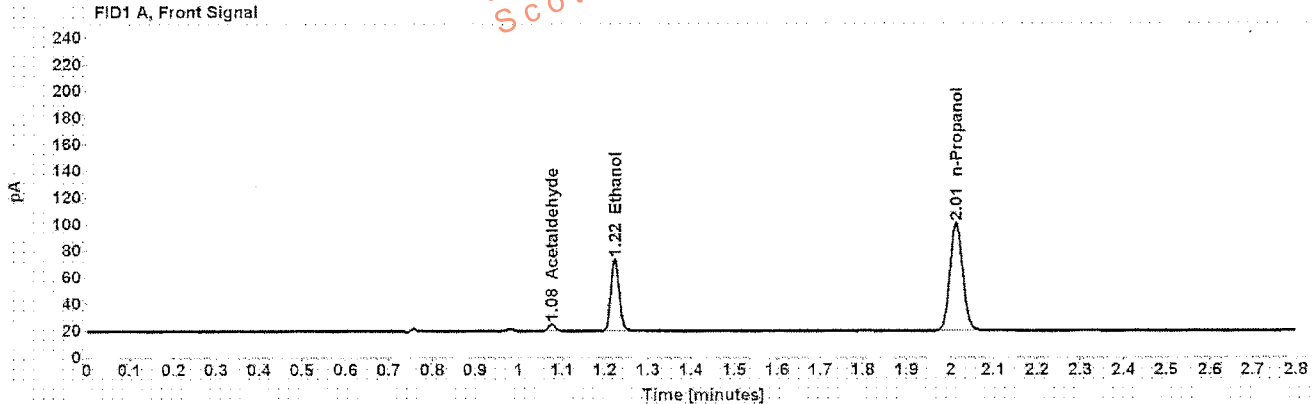


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.605
>Ethanol	0.1172	1.223	71.620
n-Propanol	-----	2.014	166.453

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	6.000
Ethanol	1.326	73.754
n-Propanol	2.344	171.380

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1078373
Injection date: 9/22/2016 7:33:01 PM	Vial: 19
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11Data\22Sept16\19.D	

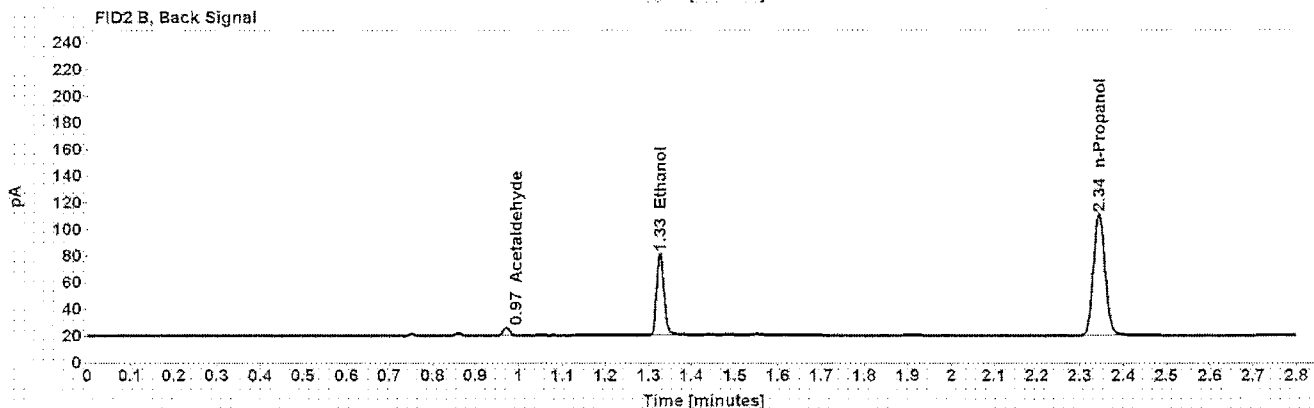
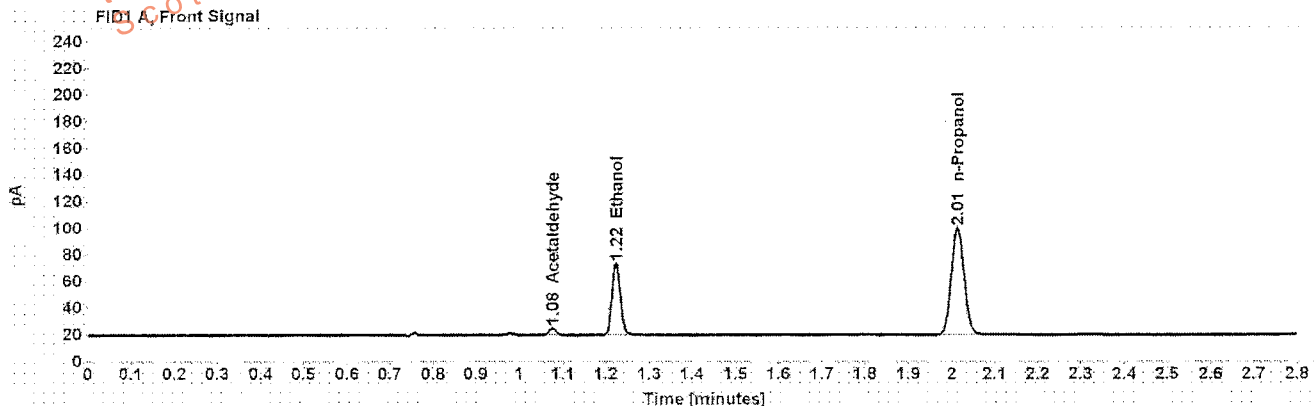


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.649
>Ethanol	0.1172	1.223	71.519
n-Propanol	-----	2.013	166.178

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	6.064
Ethanol	1.326	73.664
n-Propanol	2.344	171.300

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1114154
Injection date:	9/22/2016 7:41:02 PM	Vial:	21
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\22Sept16\21.D		

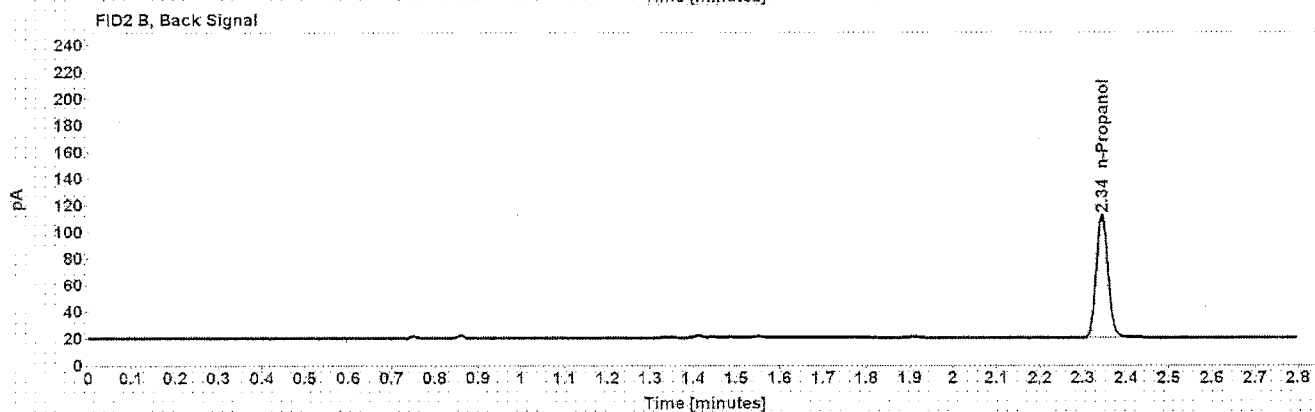
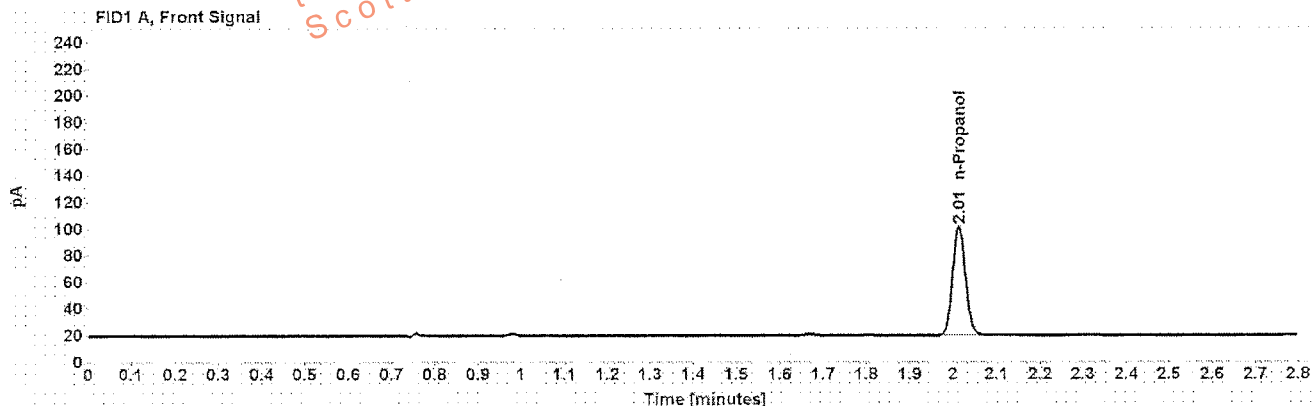


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	169.239

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	173.238

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1114154
Injection date:	9/22/2016 7:45:02 PM	Vial:	22
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\22Sept16\22.D		

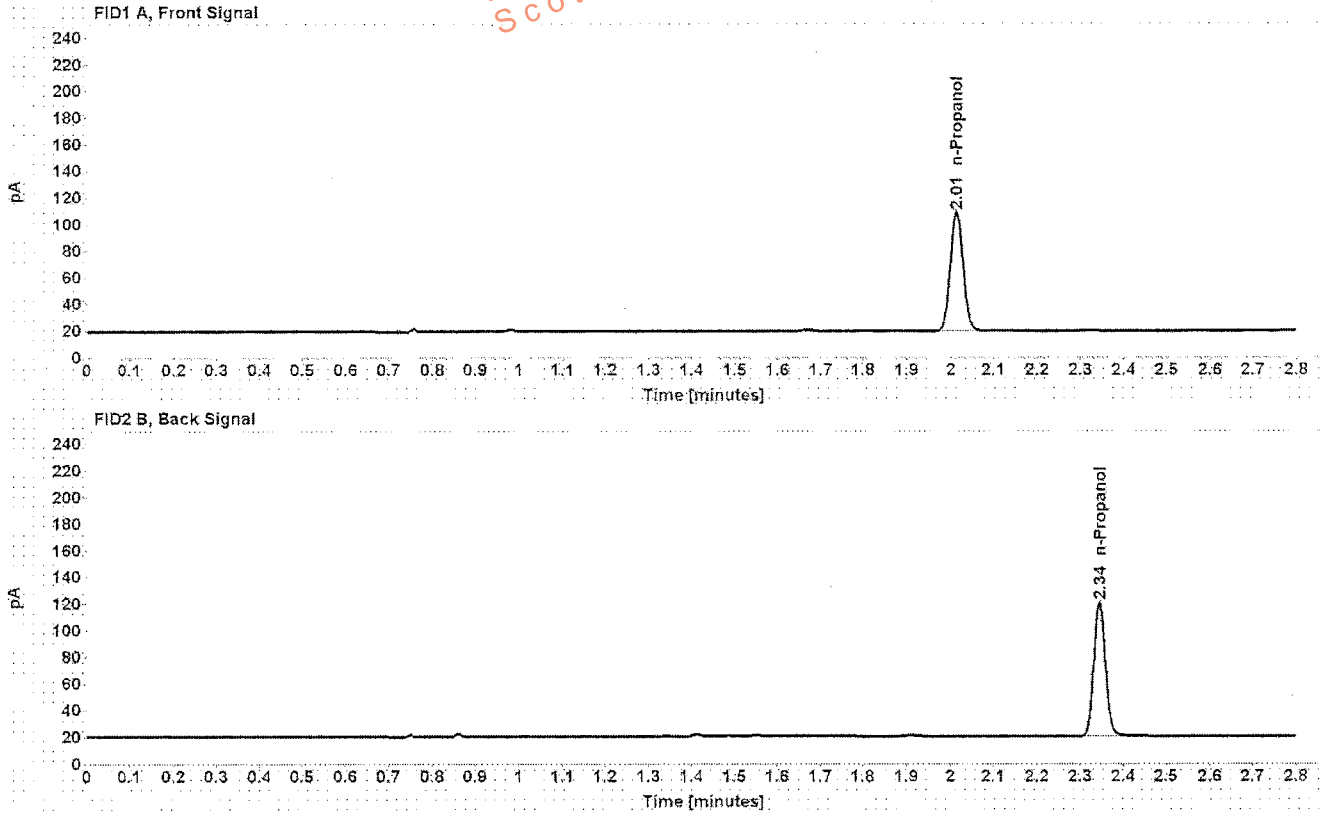


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	184.859

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	189.660

Case: [REDACTED] User: alangan 9/26/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1114186
Injection date: 9/22/2016 7:49:02 PM Vial: 23
Method: ethanol quant.M Sequence: 22Sept16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem3211\Data\22Sept16\23.D

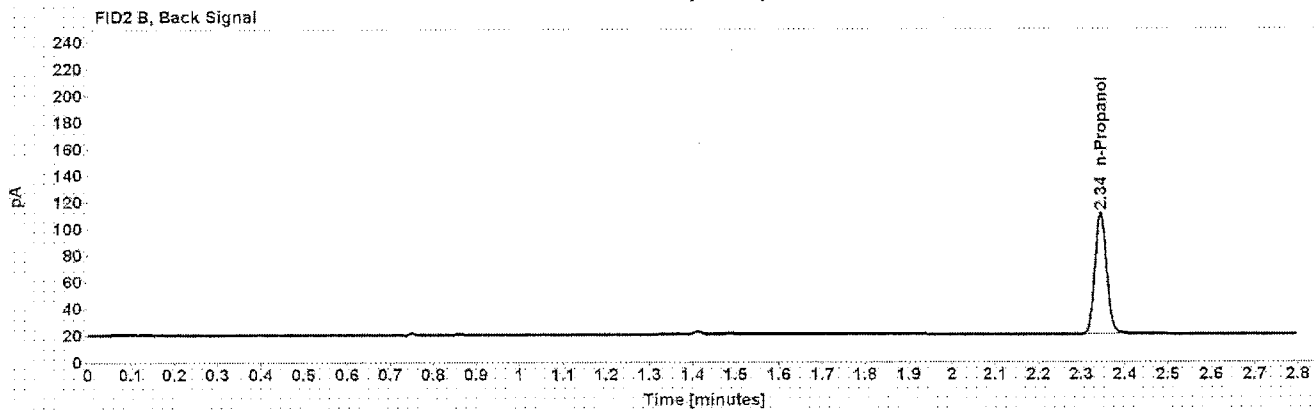
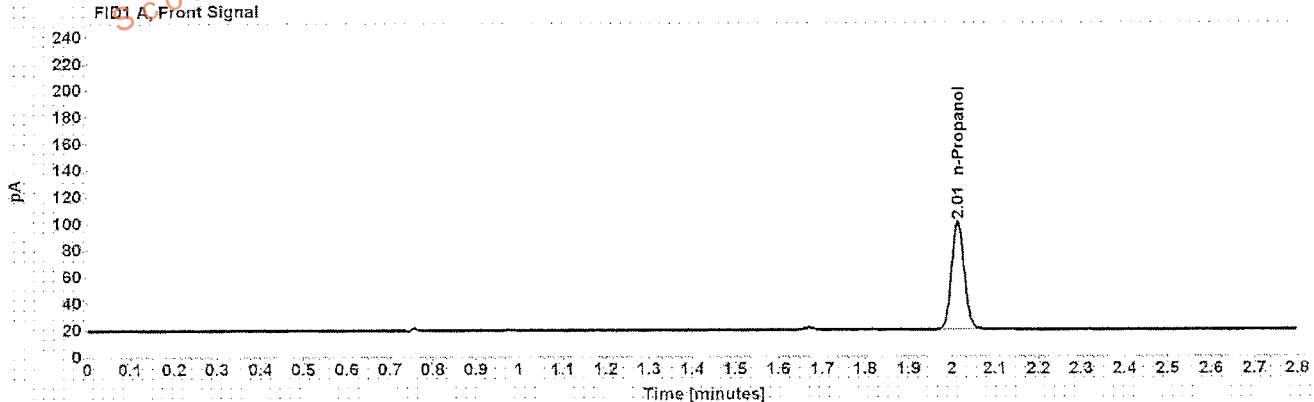


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	166.897

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	171.344

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1114186
Injection date: 9/22/2016 7:53:01 PM	Vial: 24
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\22Sept16\24.D	

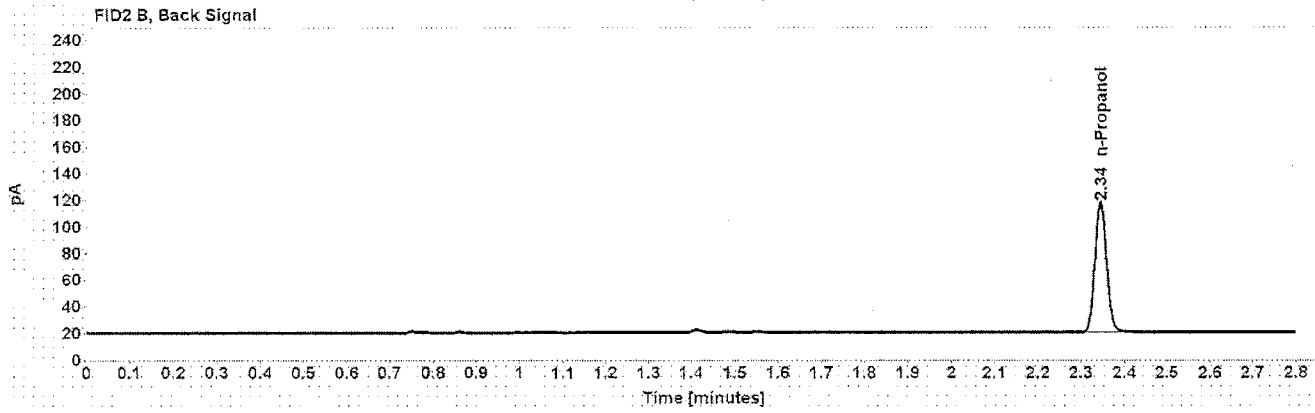
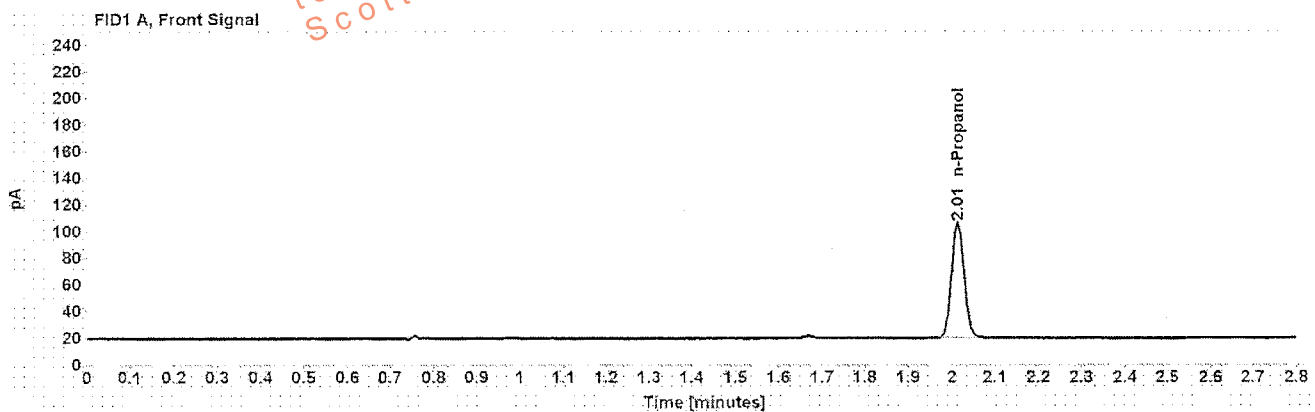


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	178.516

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	183.475

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1113066
Injection date:	9/22/2016 7:57:16 PM	Vial:	25
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\22Sept16\25.D		

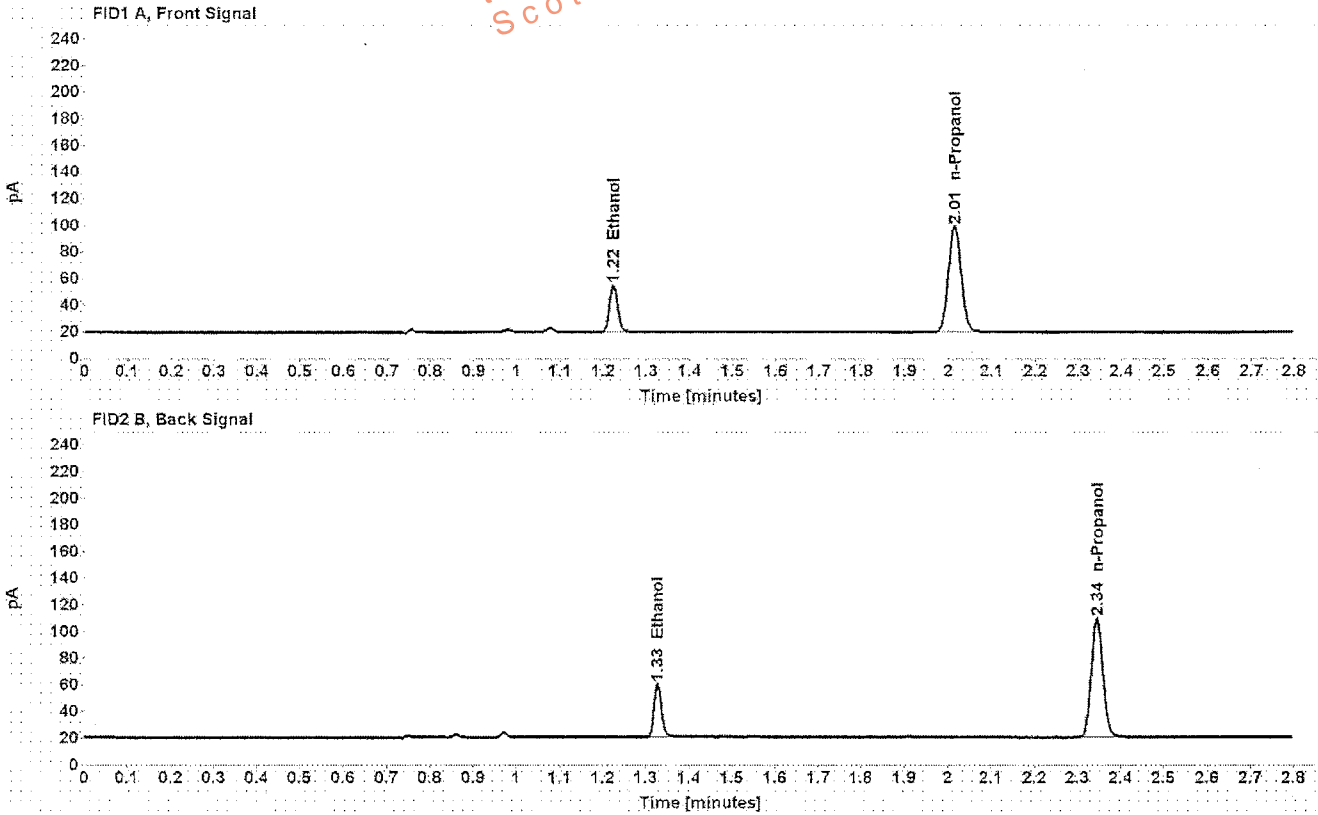


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0787	1.224	46.846
n-Propanol	-----	2.014	163.263

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

Compound	Time (min)	Peak Area
Ethanol	1.327	48.161
n-Propanol	2.345	168.215

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1113066
Injection date: 9/22/2016 8:01:16 PM	Vial: 26
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem321\1\Data\22Sept16\26.D	

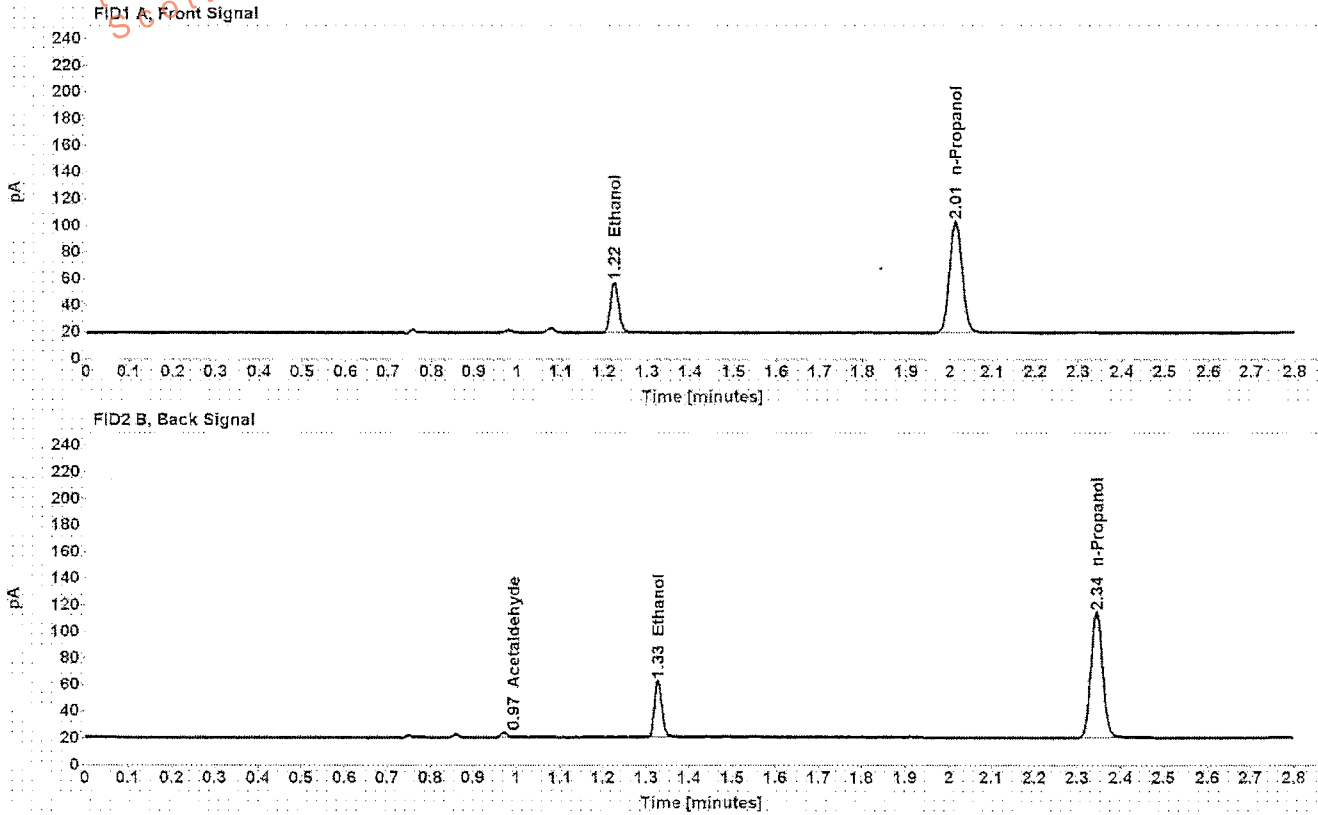


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0797	1.224	50.007
n-Propanol	-----	2.014	171.998

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.776
Ethanol	1.327	51.225
n-Propanol	2.345	177.284

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1113491
Injection date:	9/22/2016 8:05:16 PM	Vial:	27
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\22Sept16\27.D		

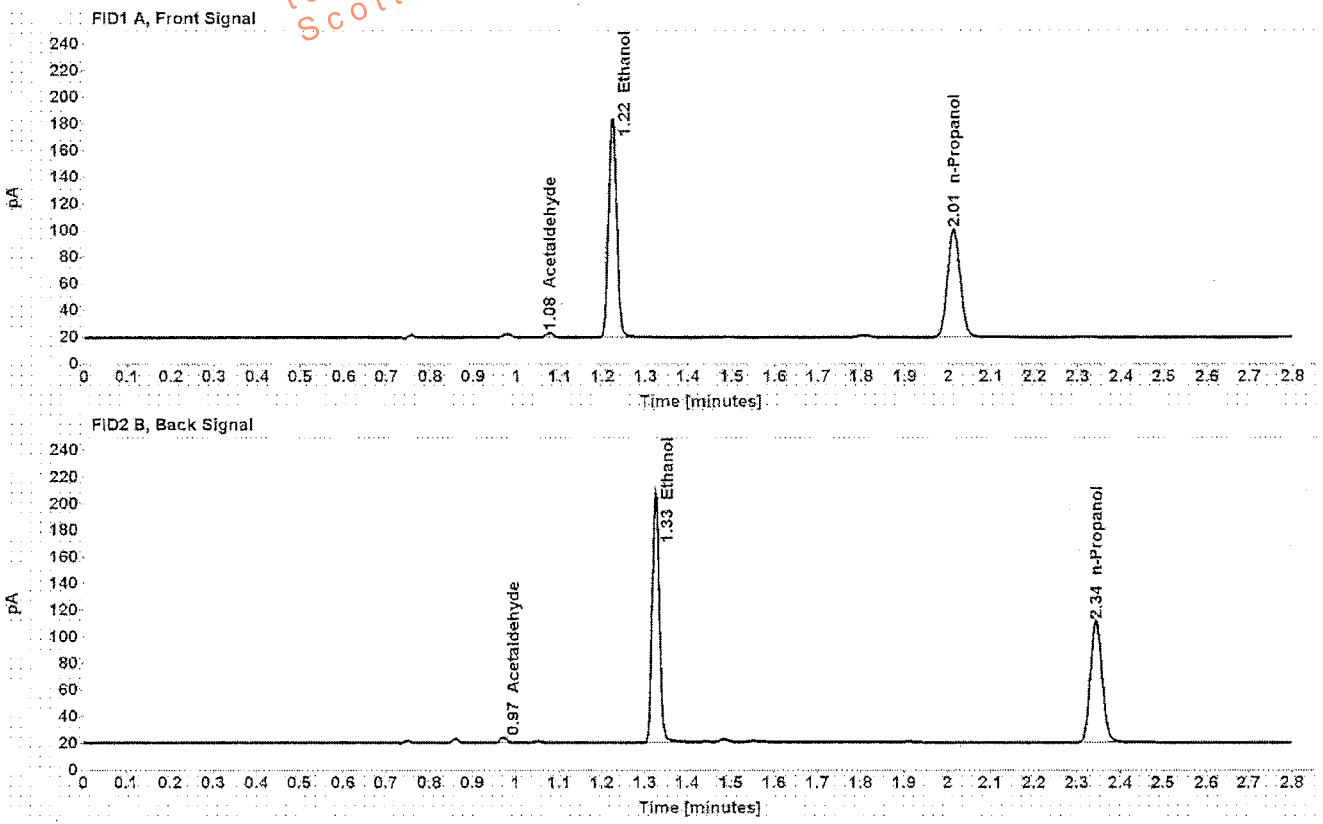


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.828
>Ethanol	0.3512	1.222	217.236
n-Propanol	-----	2.013	166.905

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.127
Ethanol	1.325	225.454
n-Propanol	2.344	171.489

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1113491
Injection date:	9/22/2016 8:09:16 PM	Vial:	28
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\22Sept16\28.D		

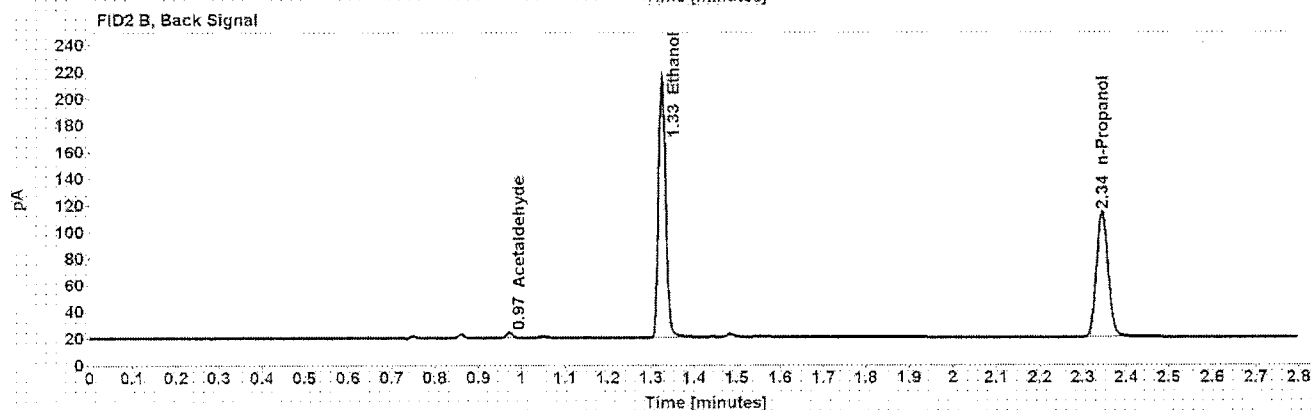
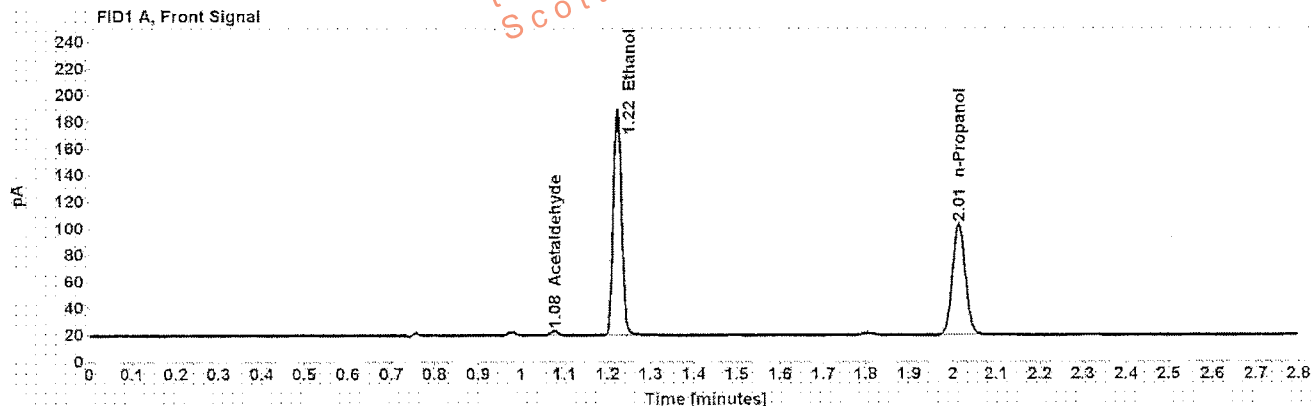


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.941
>Ethanol	0.3530	1.222	224.929
n-Propanol	-----	2.013	171.920

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.186
Ethanol	1.325	233.423
n-Propanol	2.344	176.611

Case: [REDACTED] User: alangan 9/26/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1075164
Injection date: 9/22/2016 8:13:16 PM Vial: 29
Method: ethanol quant.M Sequence: 22Sept16
Instrument: US14173023 CN14160045 Analyst: Langan
Data file: C:\Chem321\Data\22Sept16\29.D

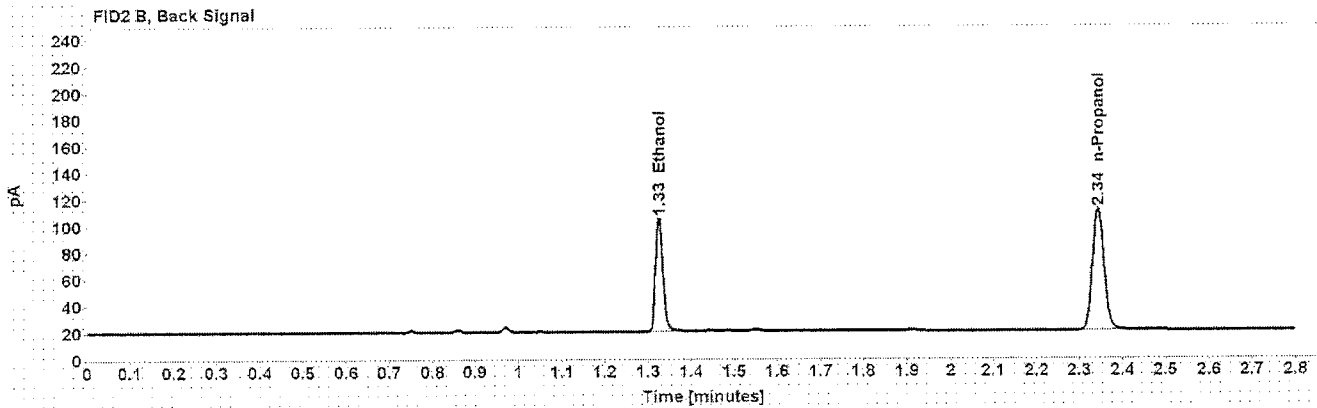
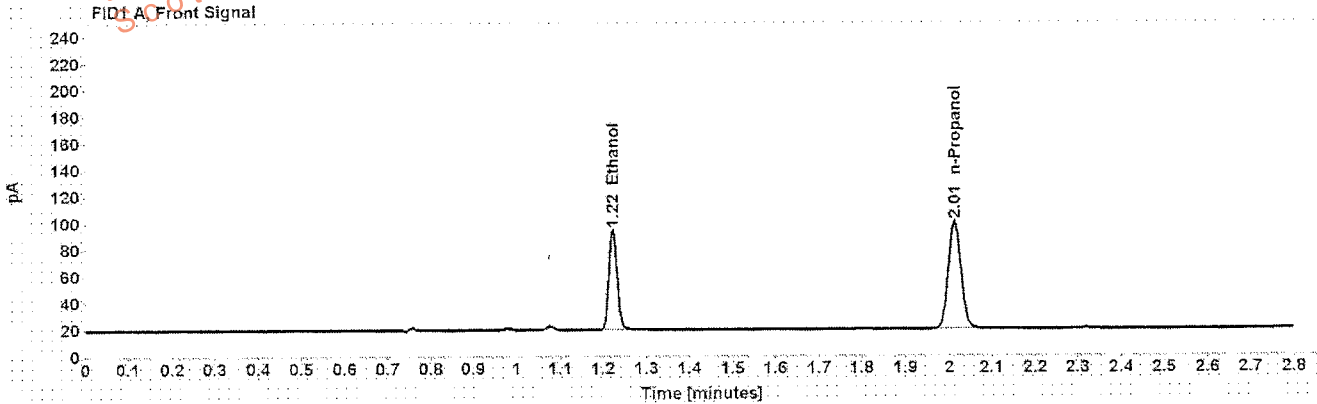


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1627	1.223	99.743
n-Propanol	-----	2.013	166.275

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

Compound	Time (min)	Peak Area
Ethanol	1.325	102.919
n-Propanol	2.344	171.303

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1075164
Injection date: 9/22/2016 8:17:16 PM	Vial: 30
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\22Sept16\130.D	

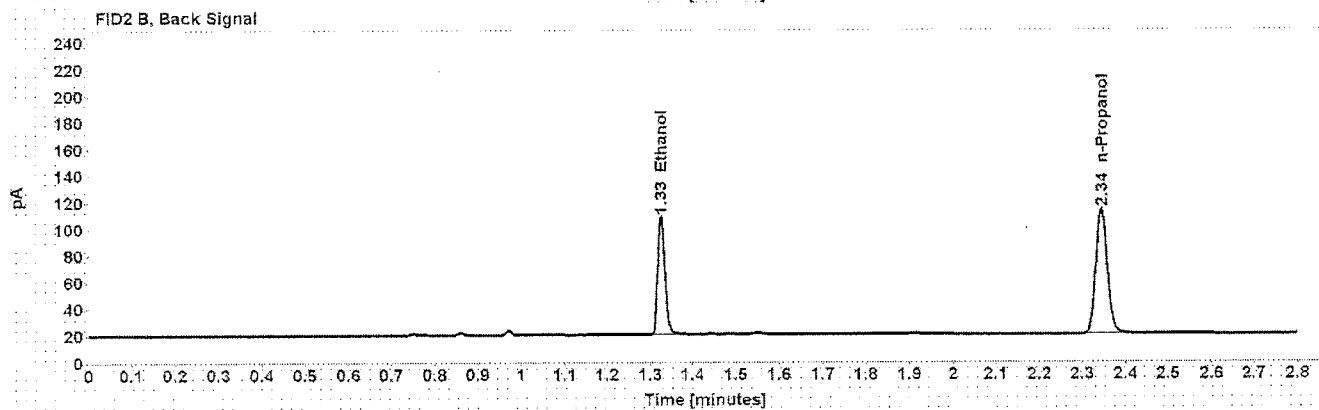
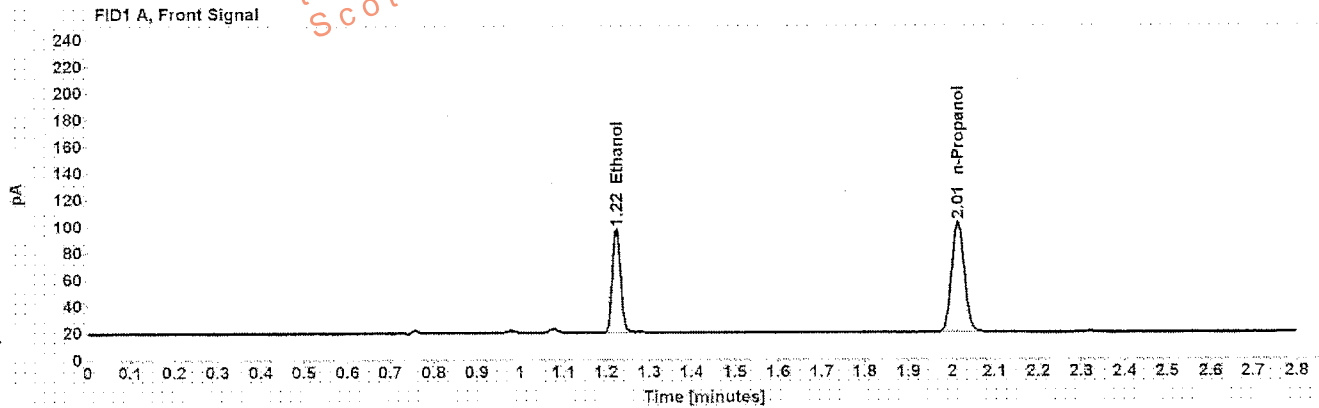


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1639	1.223	103.186
n-Propanol	-----	2.014	170.744

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

Compound	Time (min)	Peak Area
Ethanol	1.326	106.530
n-Propanol	2.344	175.907

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1101252
Injection date: 9/22/2016 8:25:31 PM	Vial: 32
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\22Sept16\32.D	

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Scottsdale City Prosecutor

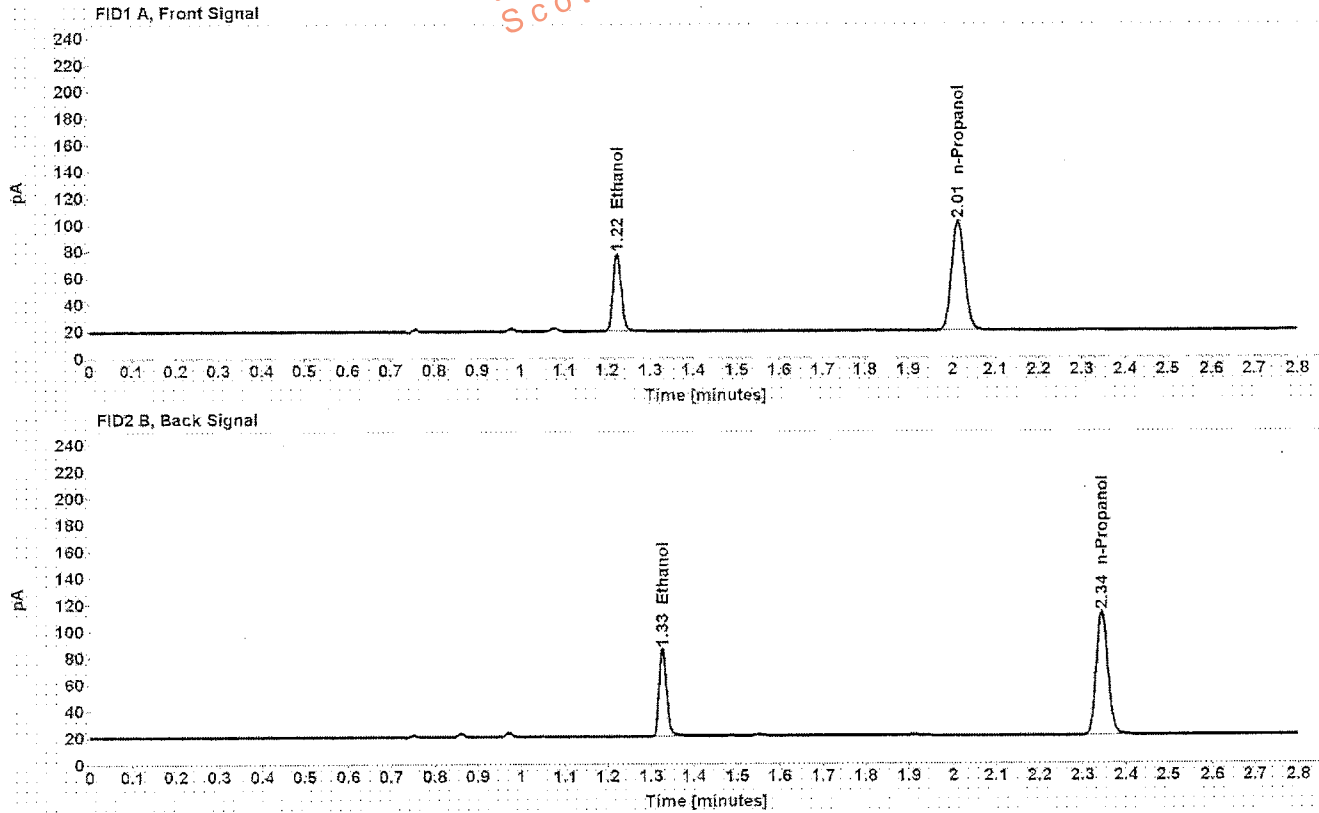


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1235	1.223	77.095
n-Propanol	-----	2.014	169.905

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

Compound	Time (min)	Peak Area
Ethanol	1.326	79.361
n-Propanol	2.344	174.877

Case: [REDACTED] User: alangan 9/26/2016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1101252
Injection date: 9/22/2016 8:29:31 PM Vial: 33
Method: ethanol quant M Sequence: 22Sept16
Instrument: OS14173023 CN14160045 Analyst: Langan
Data file: C:\Chem321\Data\22Sept16\33.D

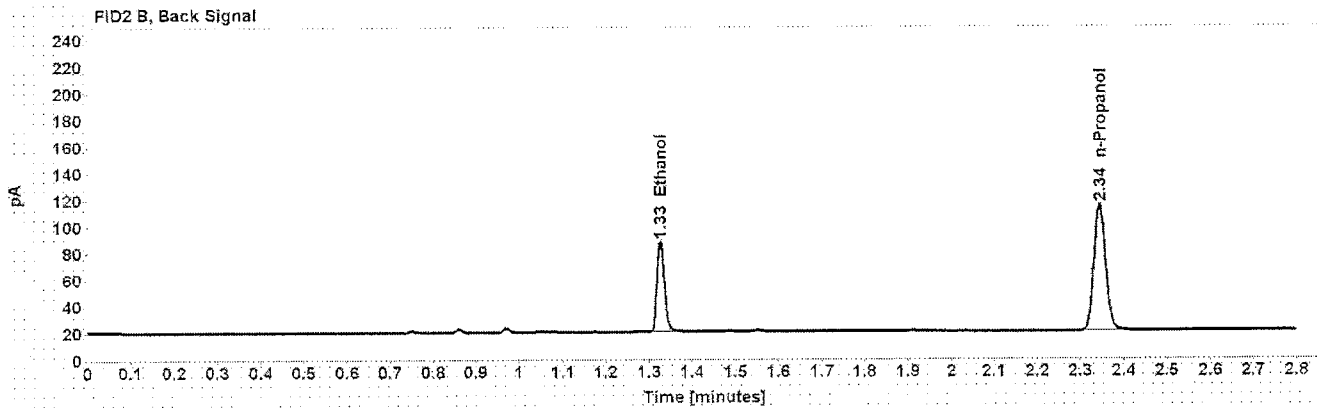
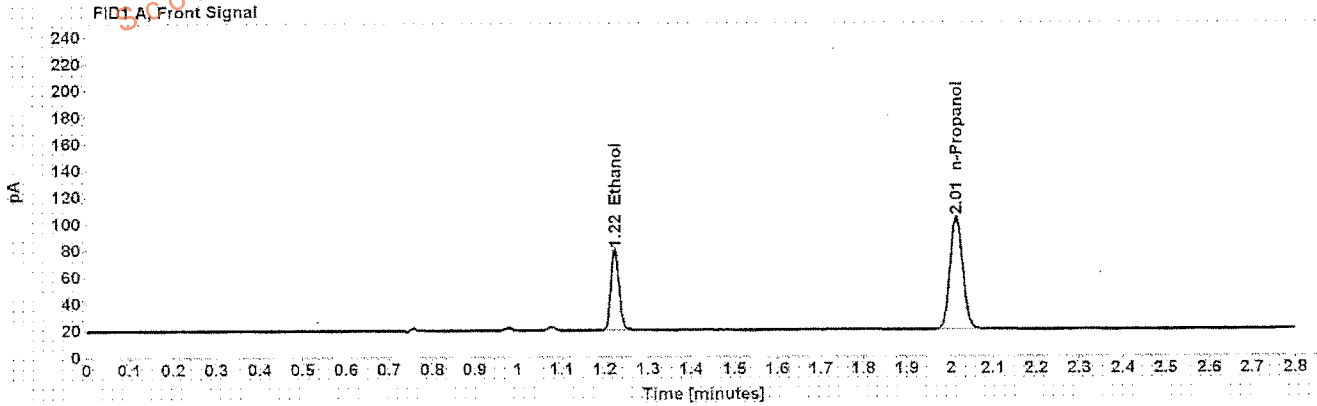


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1247	1.223	79.503
n-Propanol	-----	2.014	173.481

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

Compound	Time (min)	Peak Area
Ethanol	1.327	81.913
n-Propanol	2.344	178.513

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1112935
Injection date: 9/22/2016 8:33:31 PM	Vial: 34
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1>Data\22Sept16\14.D	

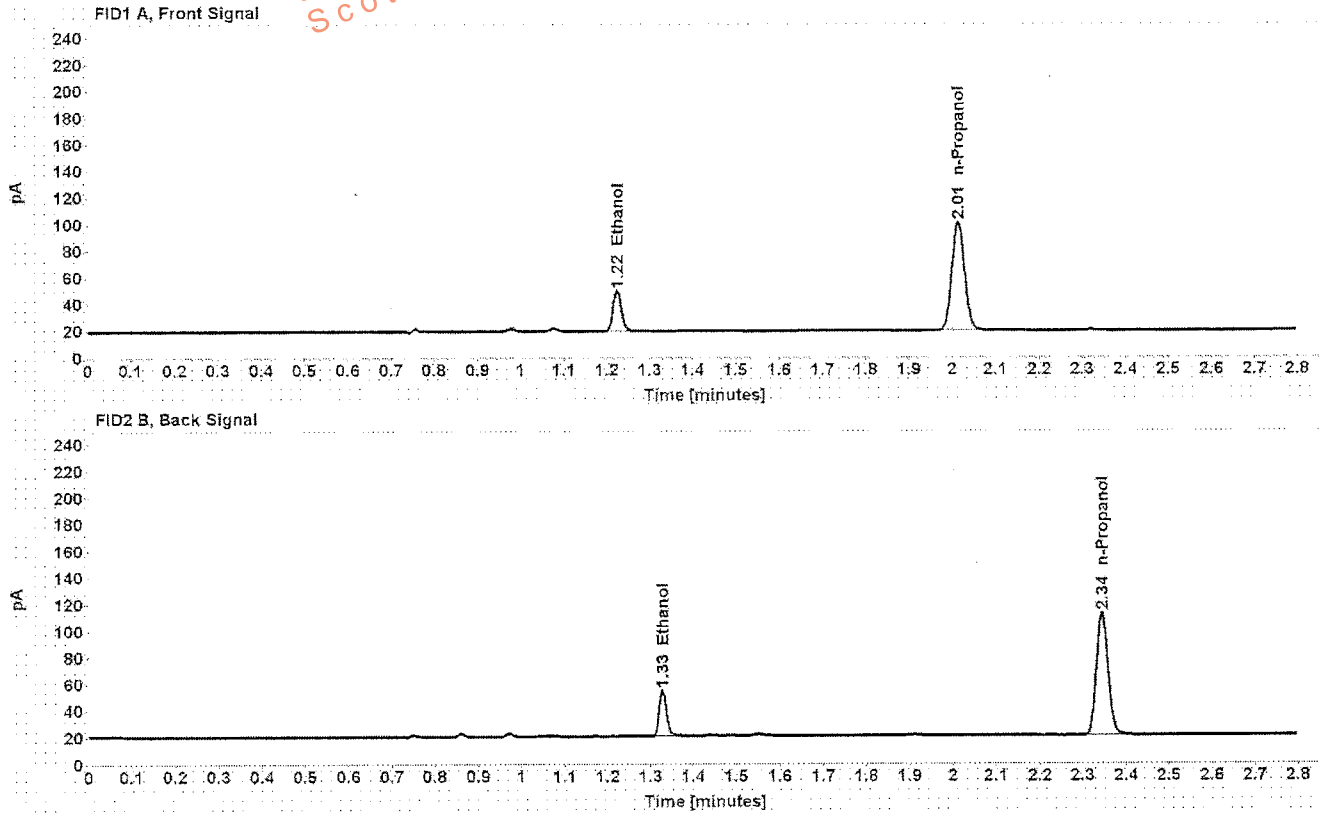


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0665	1.224	40.528
n-Propanol	-----	2.014	167.724

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

Compound	Time (min)	Peak Area
Ethanol	1.327	41.780
n-Propanol	2.344	173.262

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample:	[REDACTED]	Item number:	1112935
Injection date:	9/22/2016 8:37:32 PM	Vial:	35
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\22Sept16\35.D		

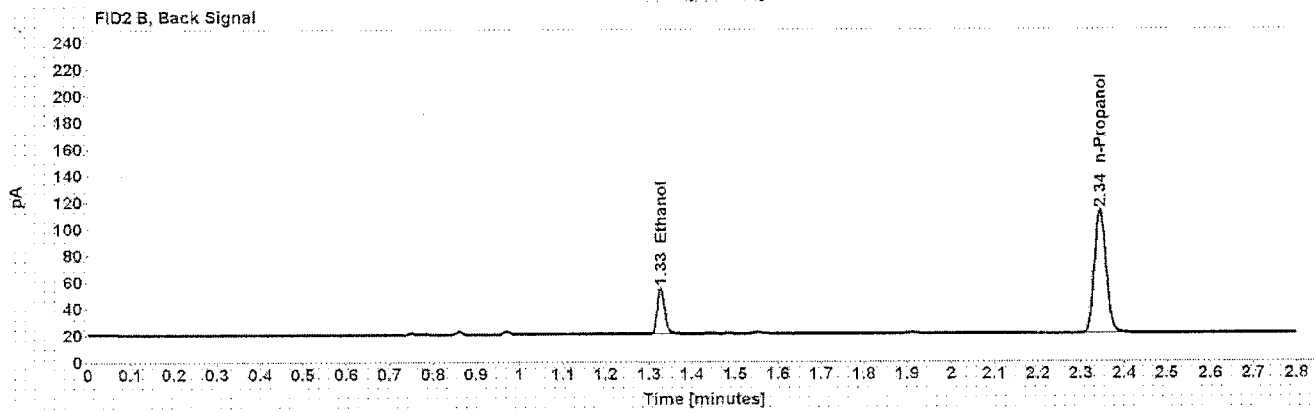
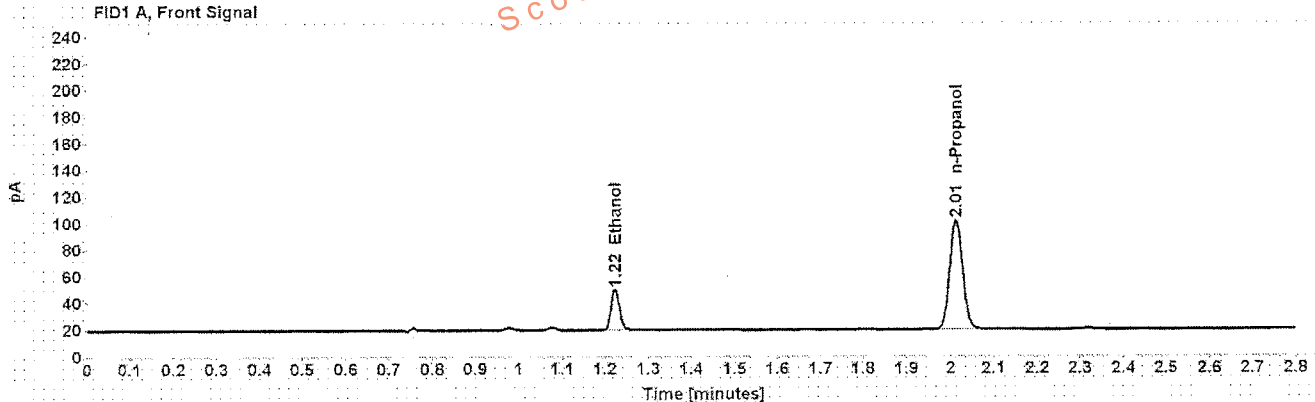


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0658	1.224	40.648
n-Propanol	-----	2.014	170.105

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

Compound	Time (min)	Peak Area
Ethanol	1.327	42.534
n-Propanol	2.344	174.357

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1111866
Injection date: 9/22/2016 8:41:31 PM	Vial: 36
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\22Sept16\36.D	

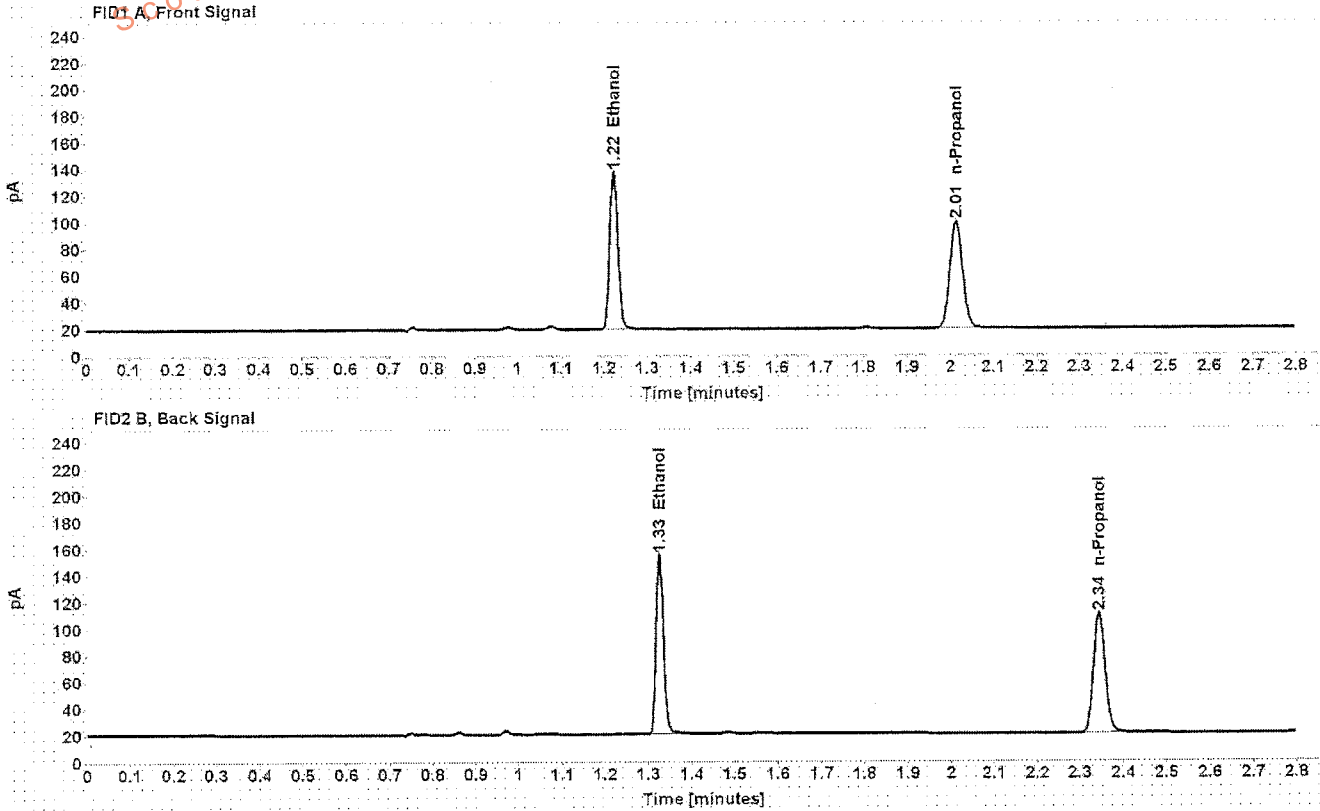


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2559	1.223	156.815
n-Propanol	-----	2.014	165.604

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

Compound	Time (min)	Peak Area
Ethanol	1.326	161.842
n-Propanol	2.344	169.855

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1111866
Injection date: 9/22/2016 8:45:46 PM	Vial: 37
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\22Sept16\37.D	

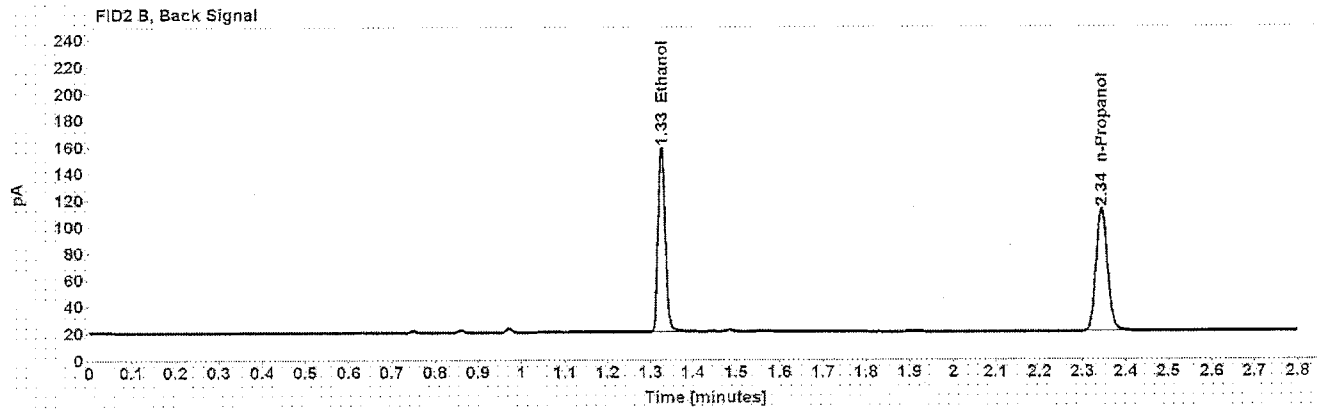
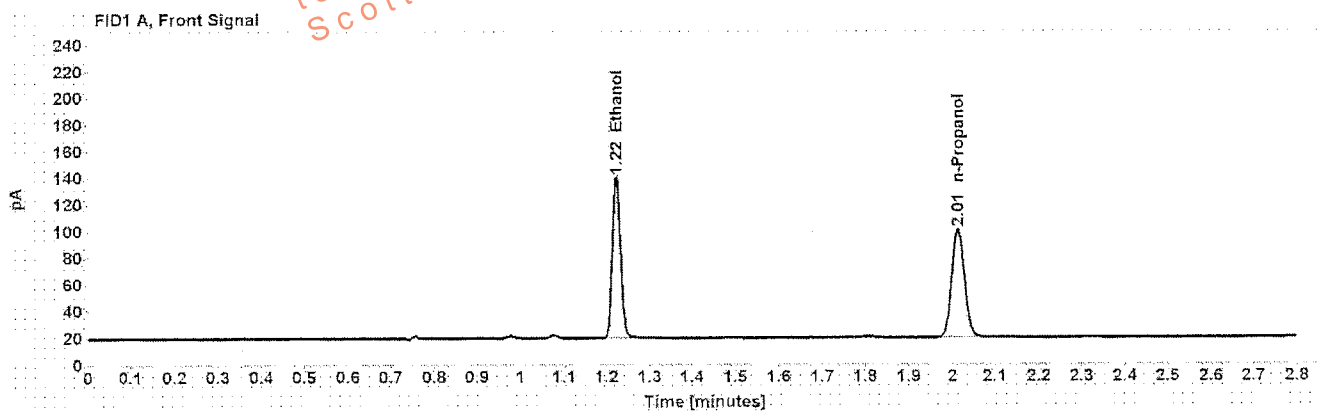


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2585	1.223	160.669
n-Propanol	-----	2.014	167.941

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

Compound	Time (min)	Peak Area
Ethanol	1.326	167.445
n-Propanol	2.344	172.628

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample:	[REDACTED]	Item number:	1115140
Injection date:	9/22/2016 8:49:46 PM	Vial:	38
Method:	ethanol quant.M	Sequence:	22Sept16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11Data\22Sept16\38.D		

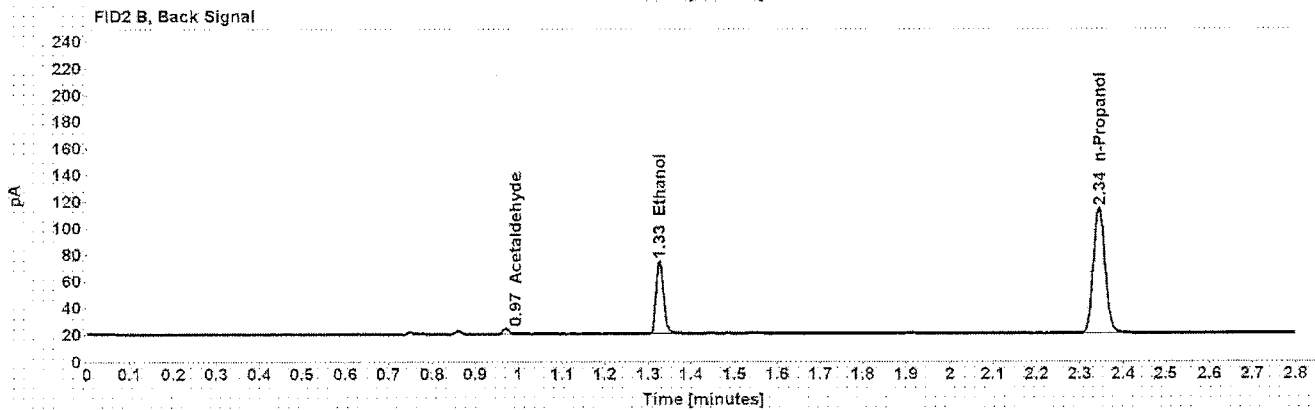
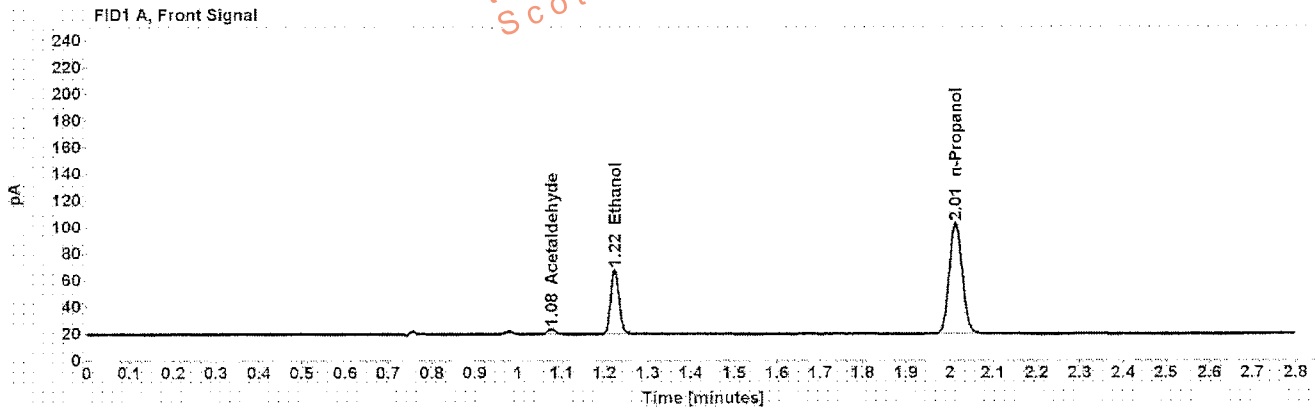


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.942
>Ethanol	0.1017	1.223	64.053
n-Propanol	-----	2.014	171.948

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.246
Ethanol	1.327	66.087
n-Propanol	2.344	177.032

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1115140
Injection date: 9/22/2016 8:53:47 PM	Vial: 39
Method: ethanol quant M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\22Sept16\39.D	

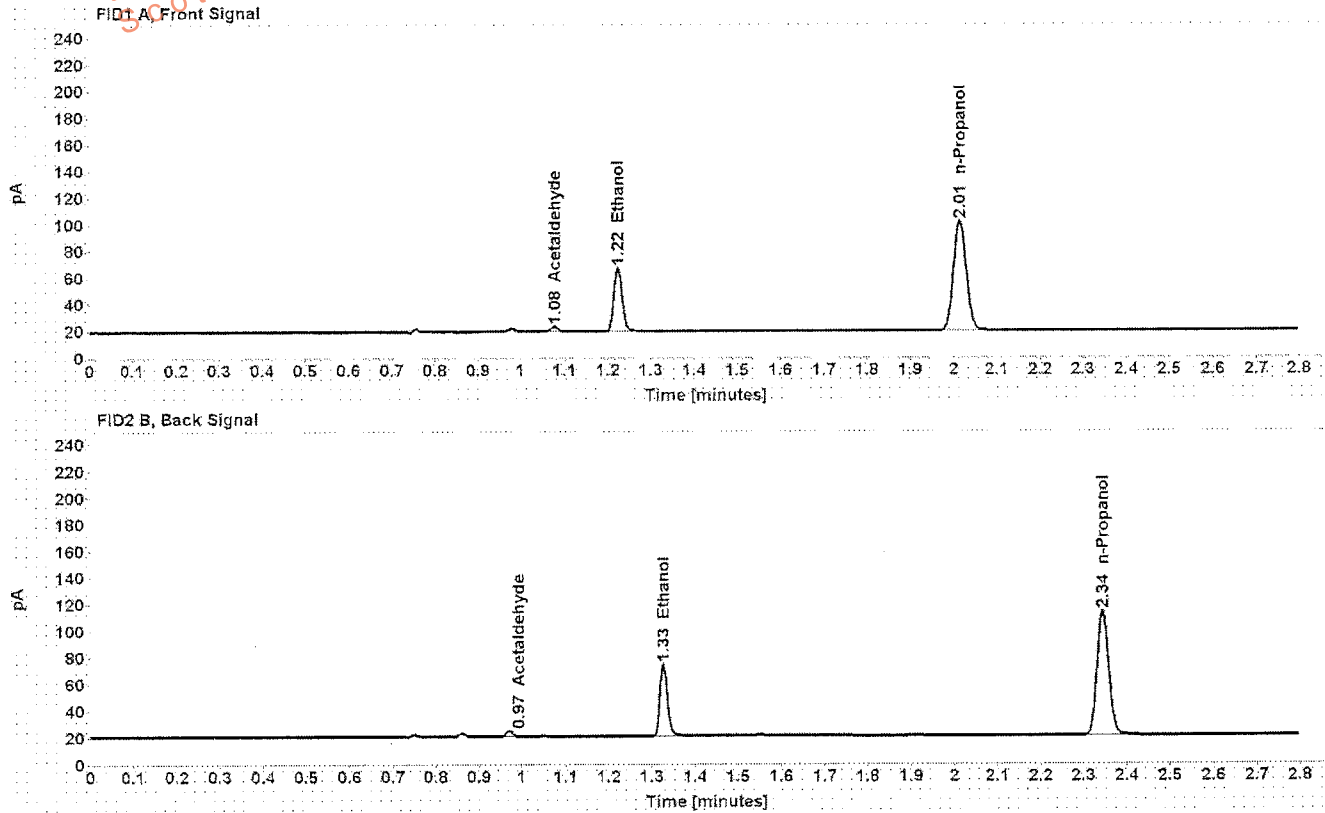


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.921
>Ethanol	0.1019	1.223	63.401
n-Propanol	-----	2.014	169.885

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.186
Ethanol	1.326	65.310
n-Propanol	2.344	175.160

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.08 Lipomed 28082014-B	Item number:
Injection date: 9/22/2016 8:57:46 PM	Vial: 40
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan A
Data file: C:\Chem3211\Data\22Sept16\40.D	

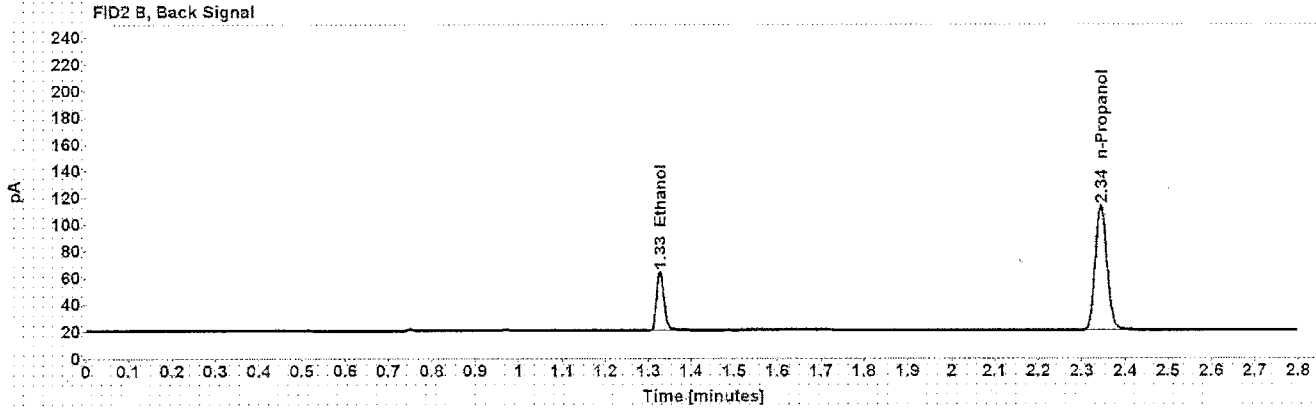
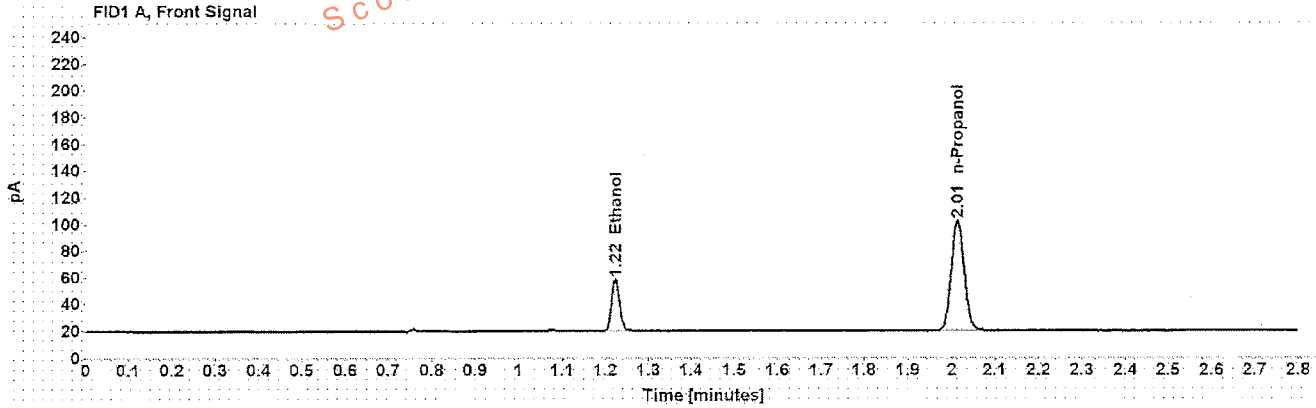


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0817	1.224	51.054
n-Propanol	-----	2.014	171.198

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

Compound	Time (min)	Peak Area
Ethanol	1.327	52.739
n-Propanol	2.344	176.100

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.08 Lipomed 28082014-B	Item number:
Injection date: 9/22/2016 9:01:47 PM	Vial: 41
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\22Sept16\41.D	

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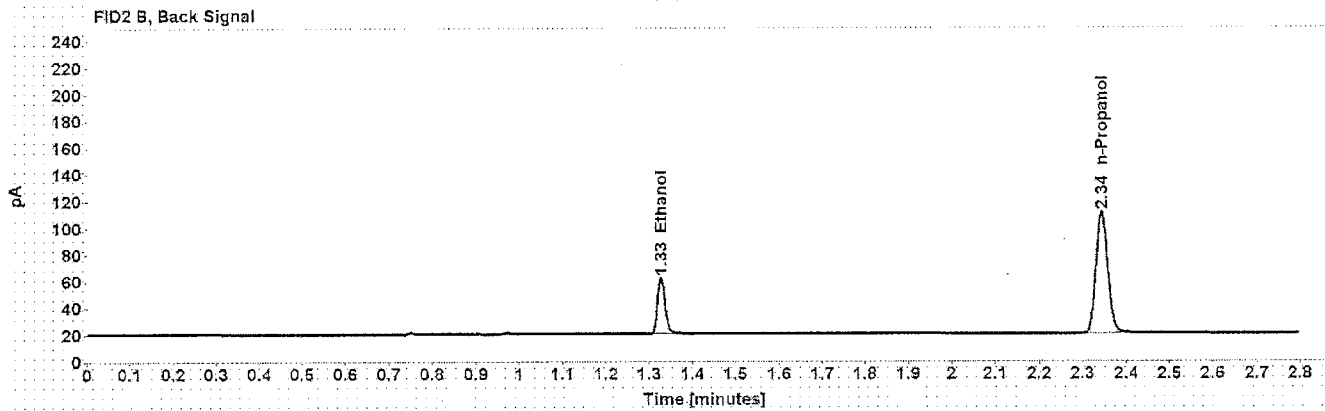
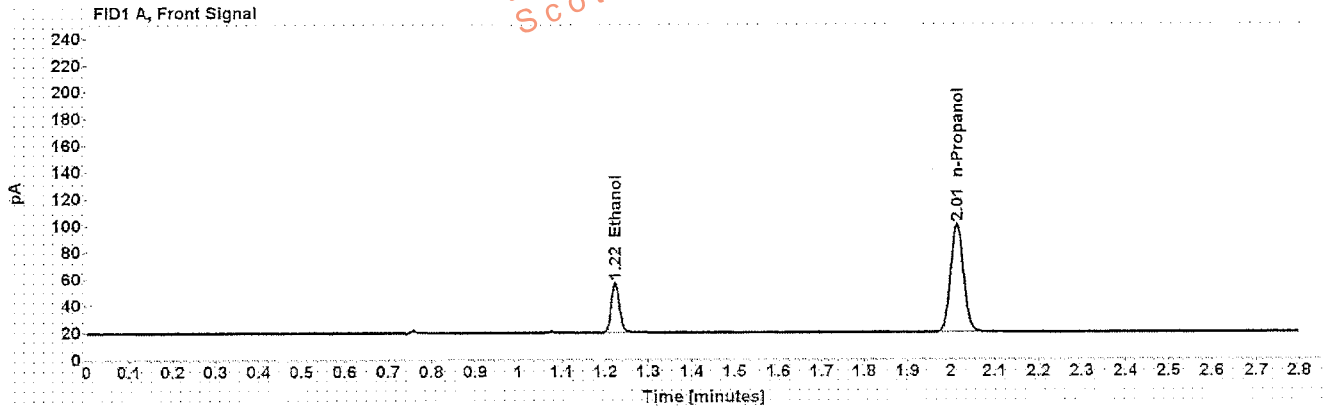


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.223	49.332
n-Propanol	-----	2.014	167.102

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

Compound	Time (min)	Peak Area
Ethanol	1.327	50.819
n-Propanol	2.344	171.746

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.15 Lipomed 09022015-C	Item number:
Injection date: 9/22/2016 9:10:01 PM	Vial: 43
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan M
Data file: C:\Chem32\1\Data\22Sept16\43.D	

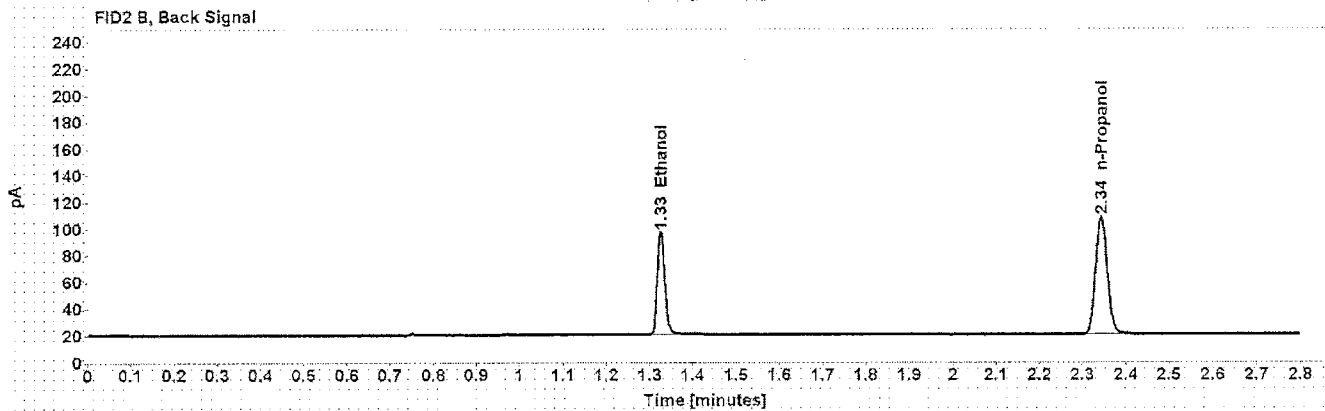
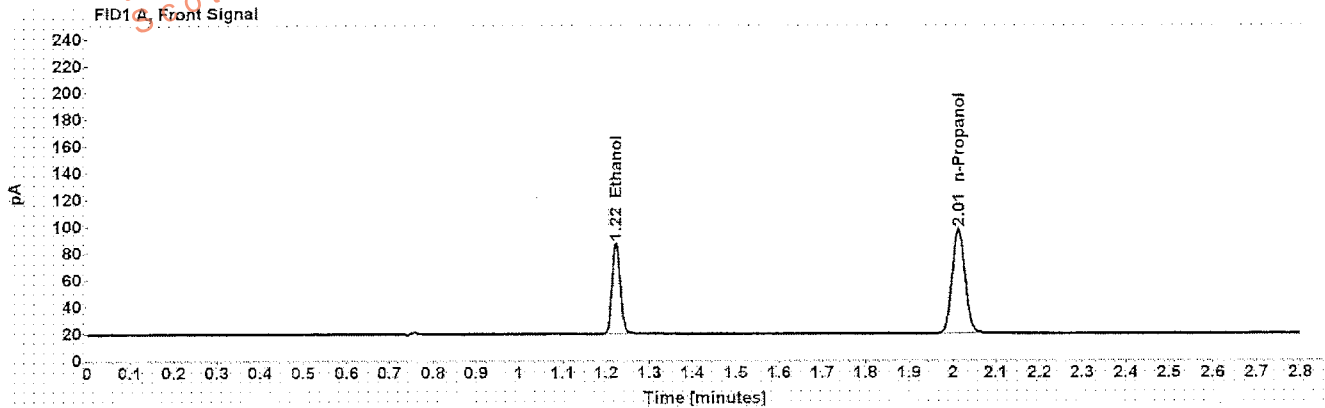


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1510	1.223	89.665
n-Propanol	-----	2.013	161.199

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

Compound	Time (min)	Peak Area
Ethanol	1.326	92.955
n-Propanol	2.344	165.774

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.15 Lipomed 09022015-C Injection date: 9/22/2016 9:14:01 PM Method: ethanol quant.M Instrument: US14173023 CN14160045 Data file: C:\Chem3211\Data\22Sept16\44.D	Item number: Vial: 44 Sequence: 22Sept16 Analyst: Langan AL
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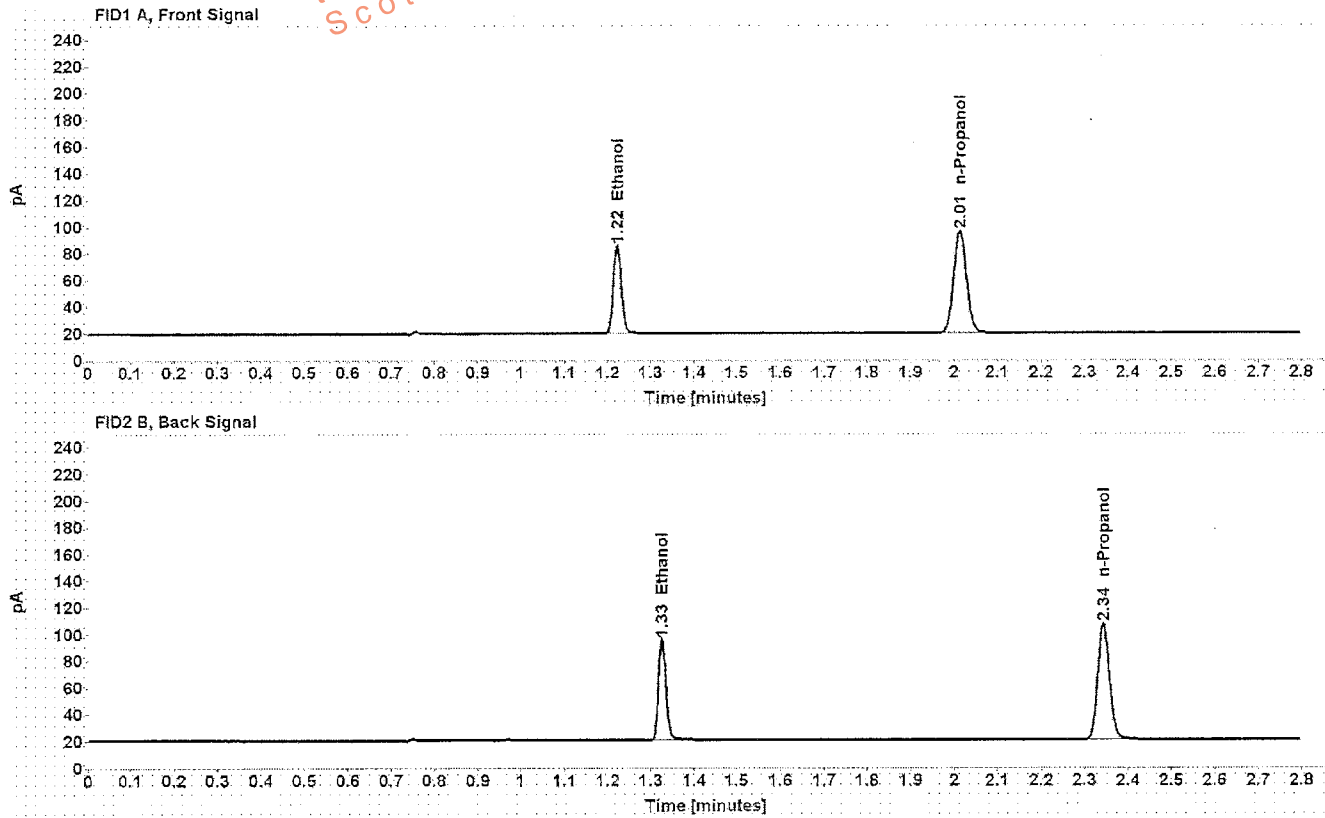


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1501	1.223	87.981
n-Propanol	-----	2.013	159.176

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

Compound	Time (min)	Peak Area
Ethanol	1.325	90.508
n-Propanol	2.343	163.574

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.40 Lipomed 08012015-C	Item number:
Injection date: 9/22/2016 9:18:01 PM	Vial: 45
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan AL
Data file: C:\Chem32\1\Data\22Sept16\45.D	

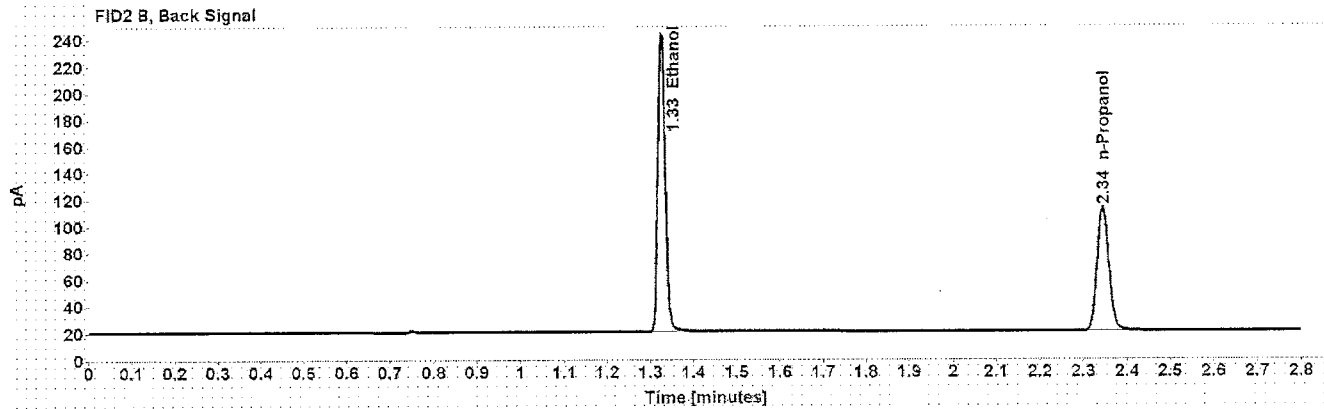
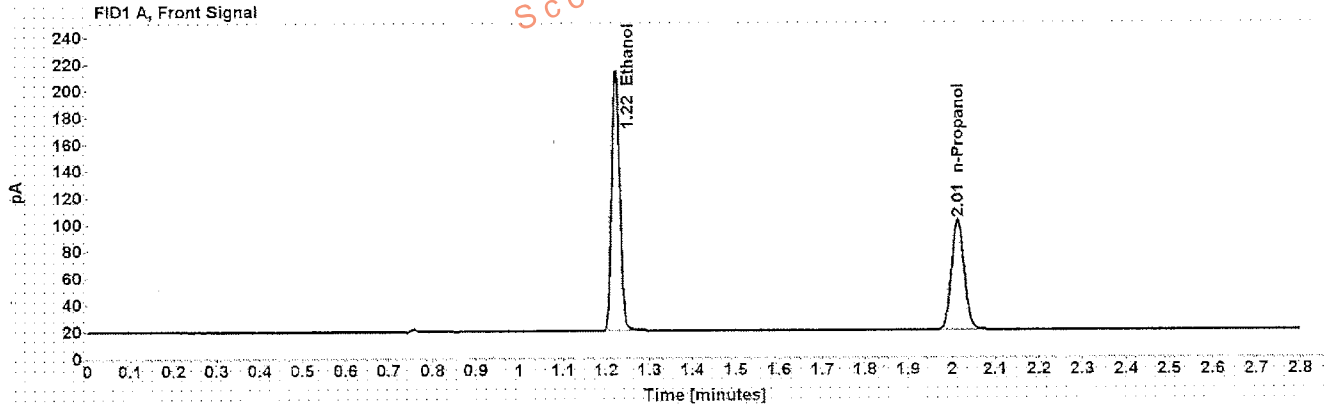


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4084	1.223	257.469
n-Propanol	-----	2.014	169.986

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

Compound	Time (min)	Peak Area
Ethanol	1.326	266.208
n-Propanol	2.344	174.679

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 08012015-C Injection date: 9/22/2016 9:22:01 PM Method: ethanol quant.M Instrument: US14173023 CN14160045 Data file: C:\Chem321\Data\22Sept16\46.D	Item number: Vial: 46 Sequence: 22Sept16 Analyst: Langan <i>AL</i>
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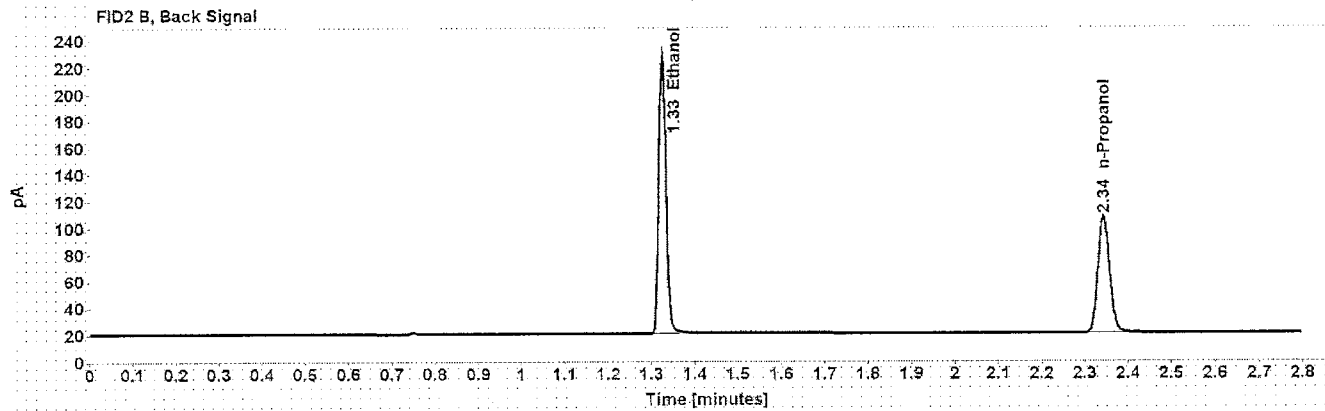
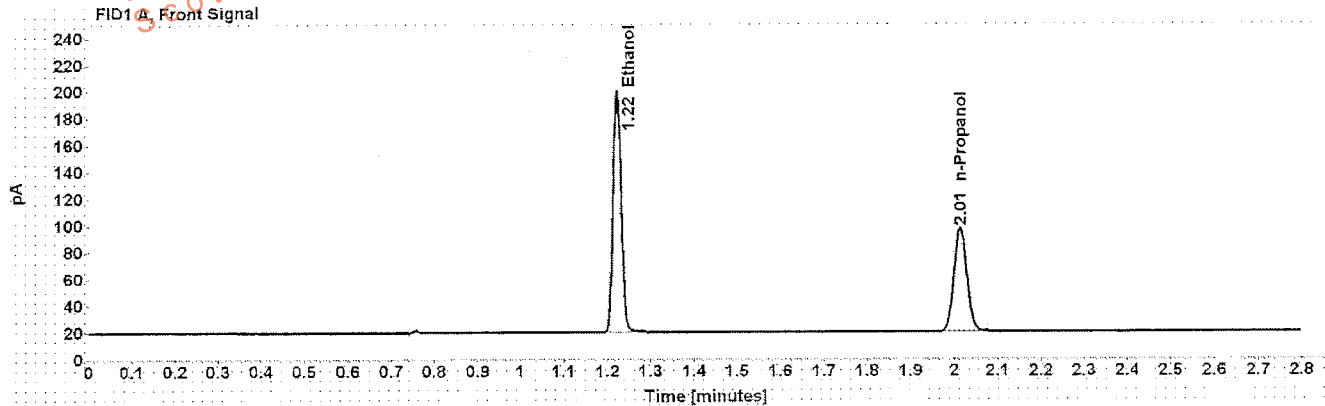


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4019	1.222	239.271
n-Propanol	-----	2.013	160.514

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

Compound	Time (min)	Peak Area
Ethanol	1.325	247.880
n-Propanol	2.344	164.831

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.01 Cerilliant FN10241403 **Item number:**
Injection date: 9/22/2016 9:26:01 PM **Vial:** 47
Method: ethanol quant.M **Sequence:** 22Sept16
Instrument: US14173023 CN14160045 **Analyst:** Langan A
Data file: C:\Chem3211\Data\22Sept16\47.D

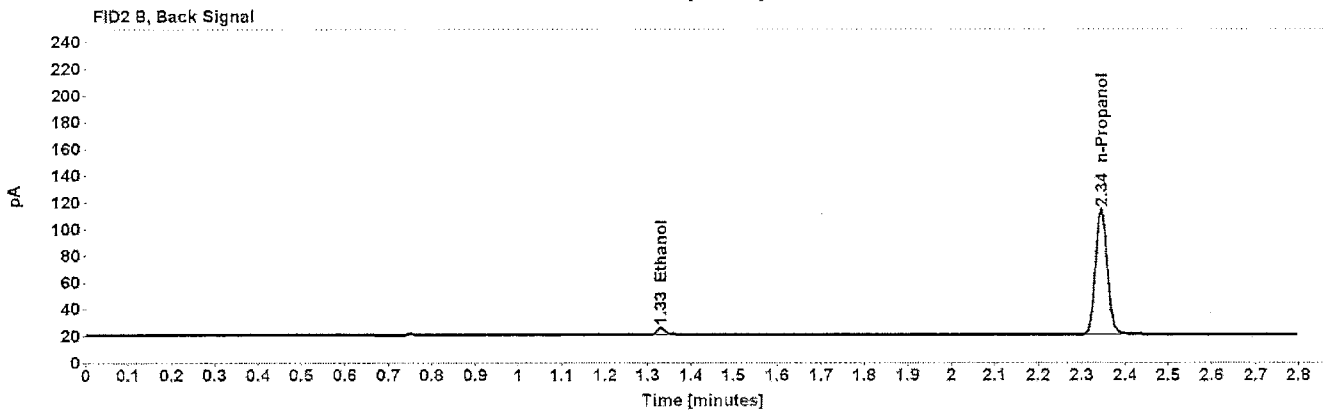
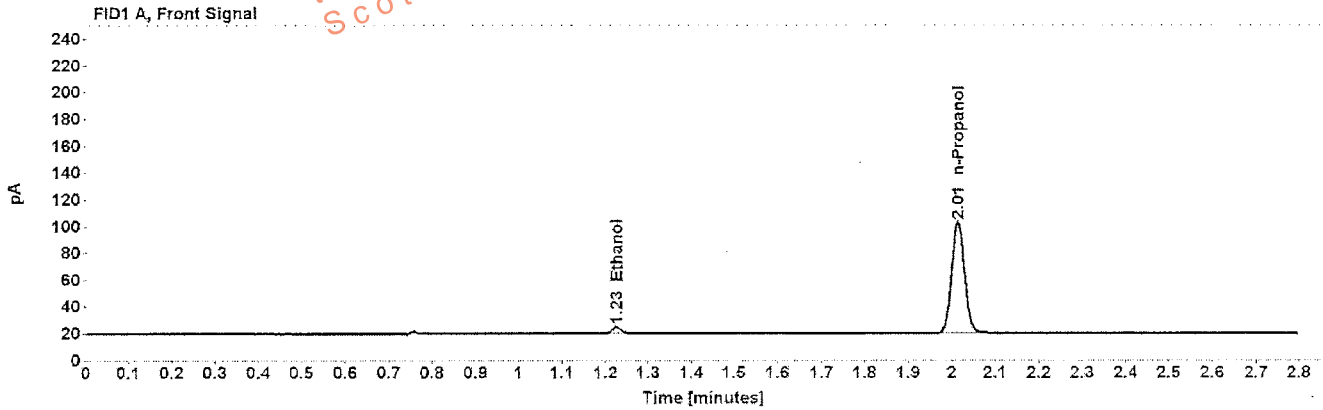


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0115	1.225	6.364
n-Propanol	-----	2.014	172.395

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

Compound	Time (min)	Peak Area
Ethanol	1.330	6.494
n-Propanol	2.344	176.938

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.01 Cerilliant FN10241403	Item number:
Injection date: 9/22/2016 9:30:01 PM	Vial: 48
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan AL
Data file: C:\Chem32\1\Data\22Sept16\48.D	

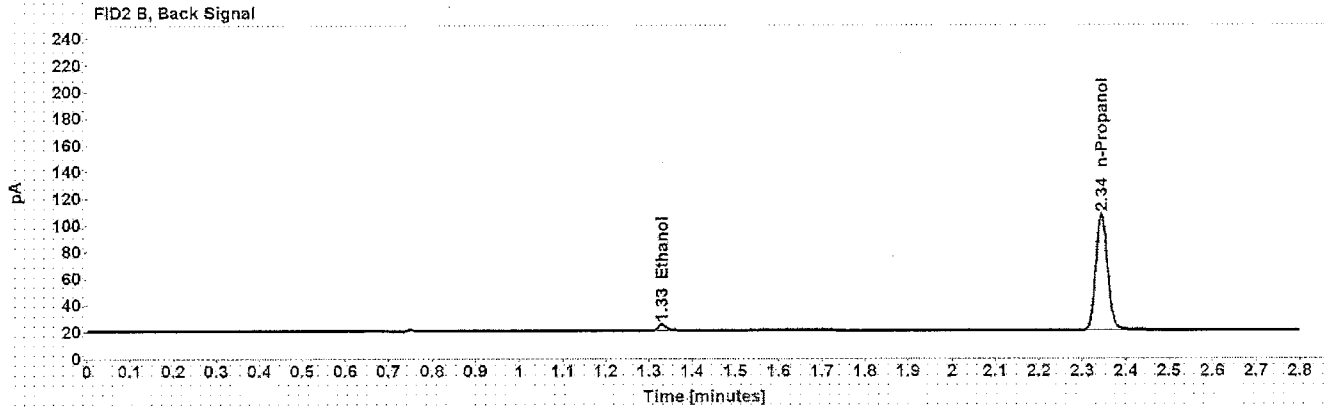
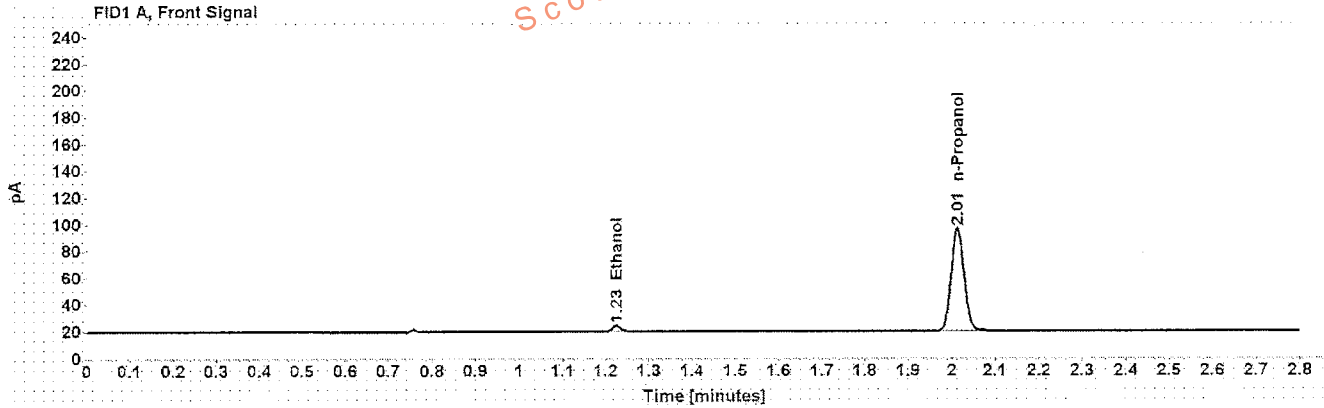


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0112	1.225	5.699
n-Propanol	-----	2.014	159.282

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

Compound	Time (min)	Peak Area
Ethanol	1.329	5.820
n-Propanol	2.344	163.657

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.02 Cerilliant FN03241604 Injection date: 9/22/2016 9:34:16 PM Method: ethanol quant.M Instrument: US14173023 CN14160045 Data file: C:\Chem32\10Data\22Sept16\49.D	Item number: Vial: 49 Sequence: 22Sept16 Analyst: Langan AL
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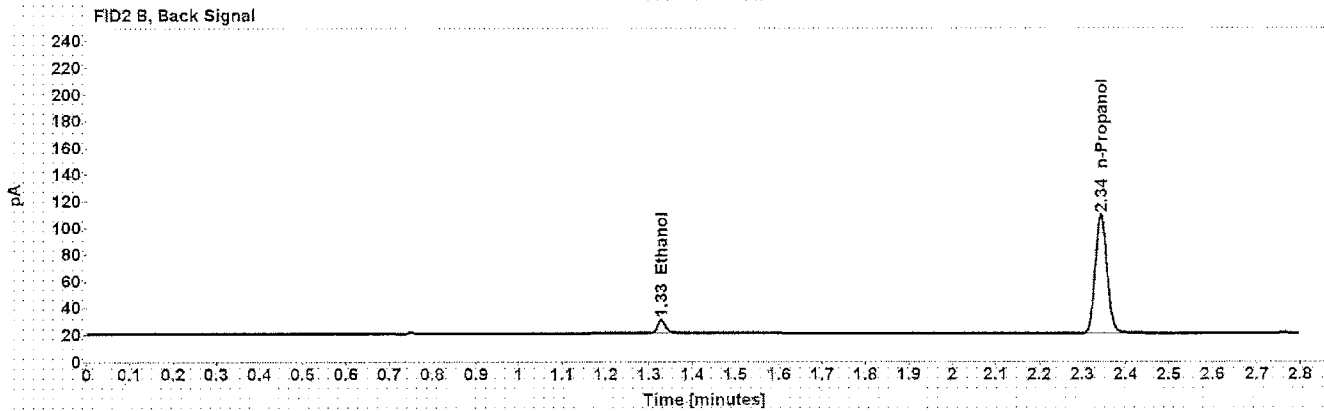
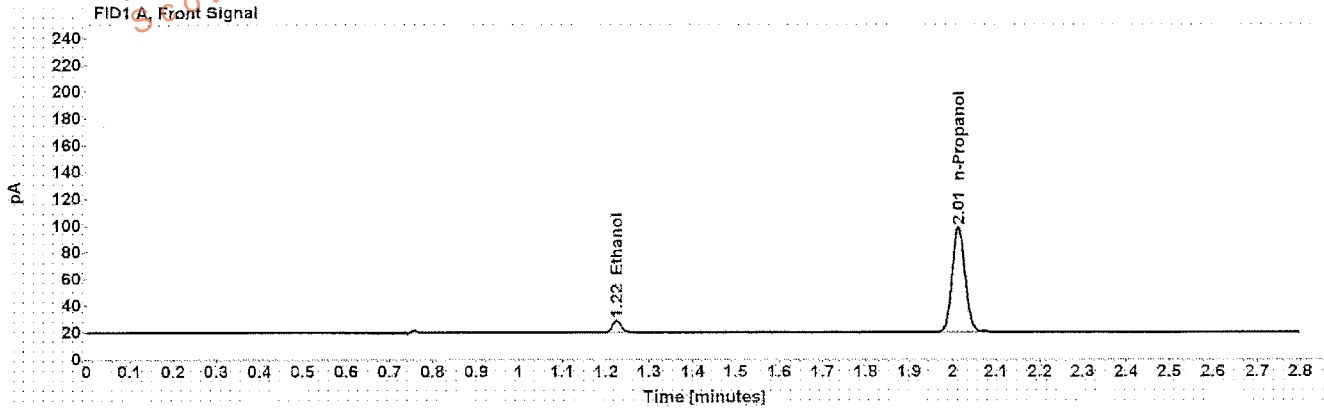


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0211	1.224	11.855
n-Propanol	-----	2.013	163.625

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

Compound	Time (min)	Peak Area
Ethanol	1.328	12.275
n-Propanol	2.344	168.192

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.02 Cerilliant FN03241604	Item number:
Injection date: 9/22/2016 9:38:16 PM	Vial: 50
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
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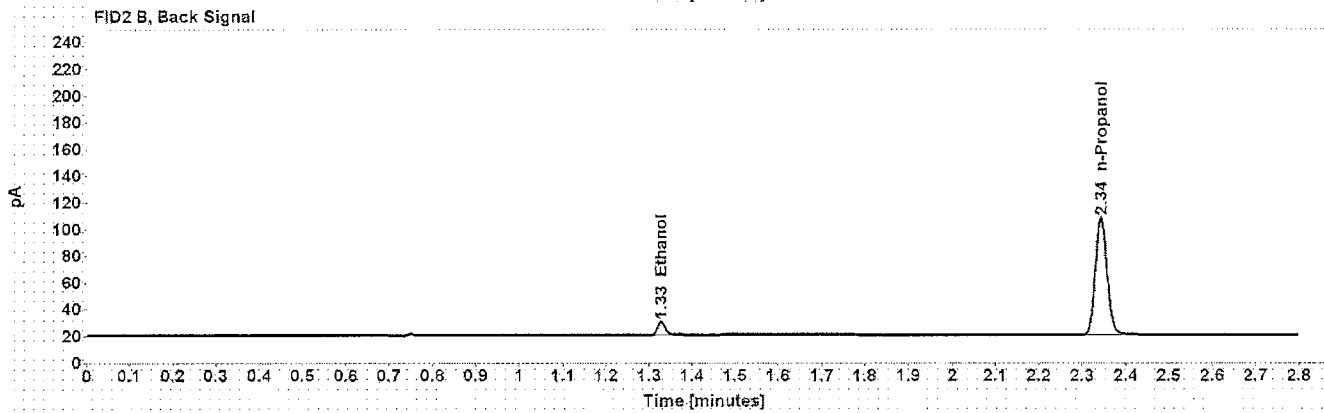
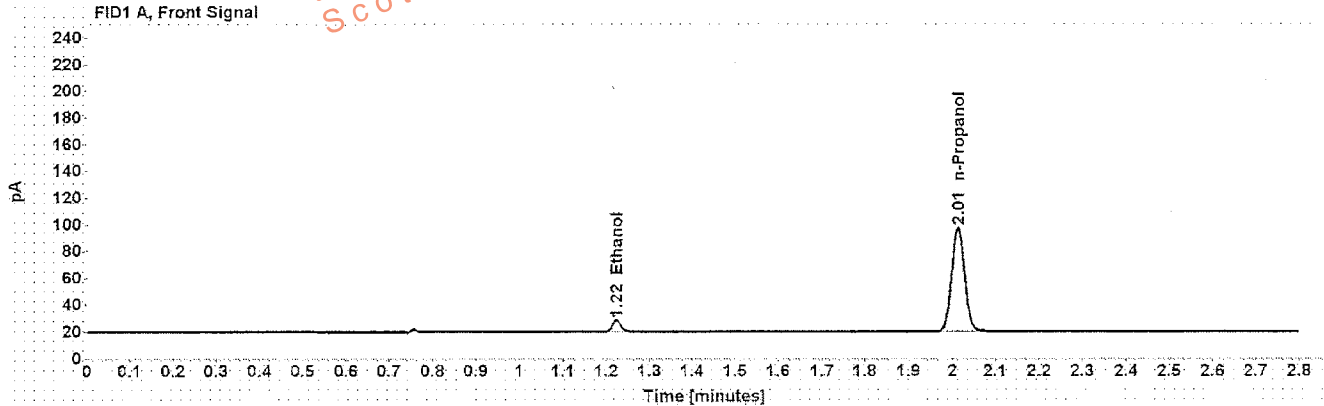


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0209	1.224	11.568
n-Propanol	-----	2.013	160.995

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

Compound	Time (min)	Peak Area
Ethanol	1.328	11.854
n-Propanol	2.343	165.516

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.30 Cerilliant FN02121601	Item number:
Injection date: 9/22/2016 9:42:16 PM	Vial: 51
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan AA
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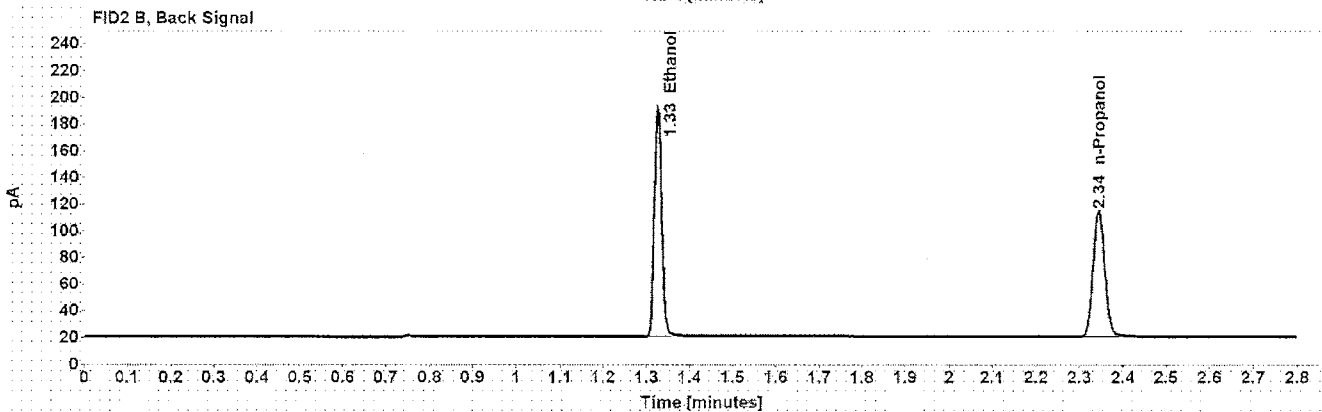
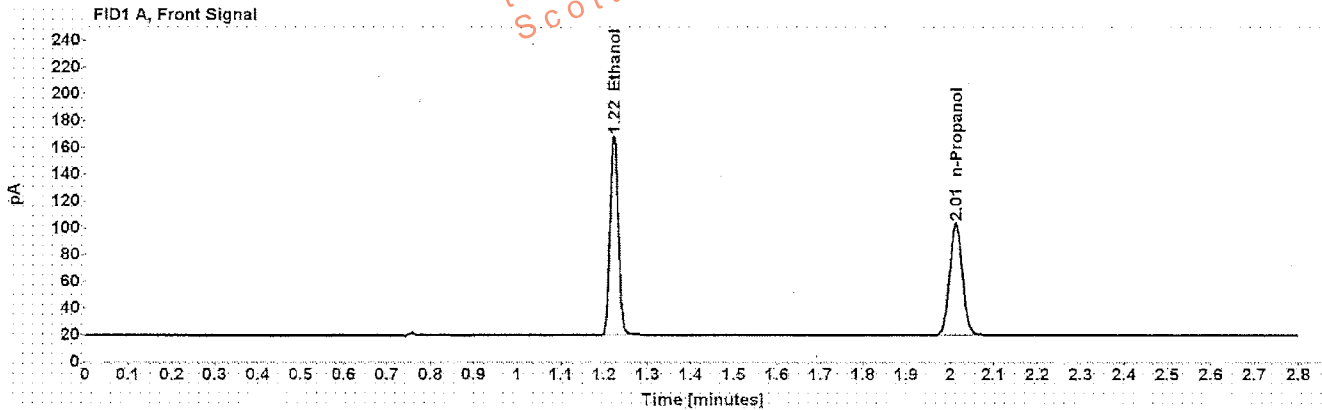


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3075	1.222	197.337
n-Propanol	-----	2.013	173.276

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

Compound	Time (min)	Peak Area
Ethanol	1.325	204.064
n-Propanol	2.344	178.257

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.30 Cerilliant FN02121601	Item number:
Injection date: 9/22/2016 9:46:16 PM	Vial: 52
Method: ethanol quant.M	Sequence: 22Sept16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\22Sept16\52.D	

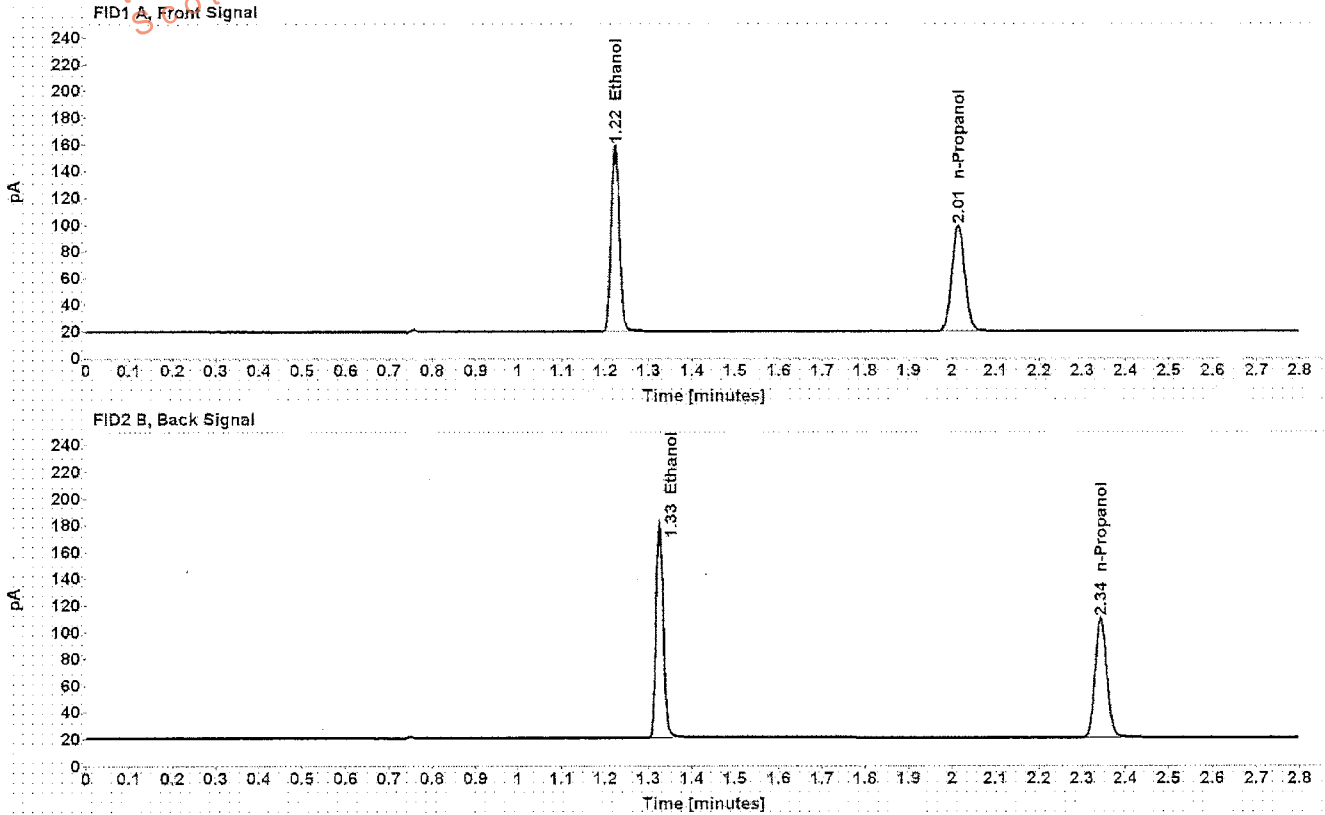


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3036	1.222	184.790
n-Propanol	-----	2.013	164.320

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

Compound	Time (min)	Peak Area
Ethanol	1.325	191.174
n-Propanol	2.344	168.985