

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 09/13/2016 SEQUENCE NAME 13Sep16

### 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<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN06181501 0.99999  
 Vial 3 0.20 calibrator Lot FN07201502  
 Vial 4 0.40 calibrator Lot FN11191402

### CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	blank	Not detected	Not detected	SPD lab 090816
6	volatiles mixture	6 Compounds	6 Compounds	SPD lab 030916ASL
7	aqueous control	0.400 g/dL	0.398g/dL	Lipomed 05012012-C
8	aqueous control	0.040 g/dL	0.039g/dL	Lipomed 30112011-B
9	blood control	0.200 g/dL	0.201g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.079g/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	0.080 g/dL	0.081g/dL	Lipomed 14112011-A
64	aqueous control	0.400 g/dL	0.403g/dL	Lipomed 05012012-C
65	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
66	blood control	0.200 g/dL	0.203g/dL	ACQ 402101060/6
67	blank	Not detected	Not detected	SPD lab 090816

### SUBJECT SAMPLES

Subjects in the sequence 22 Subjects requiring reanalysis 1

**ADDITIONAL NOTES: Vials 18 & 19 duplicates fell outside of the expected 2% agreement range. This run included verification testing of 3 new lots of controls. Hand corrected lot number on blank samles for documents.**

Run valid   
 Run invalid

Ami Dangen  
 Analyst

Run valid   
 Run invalid

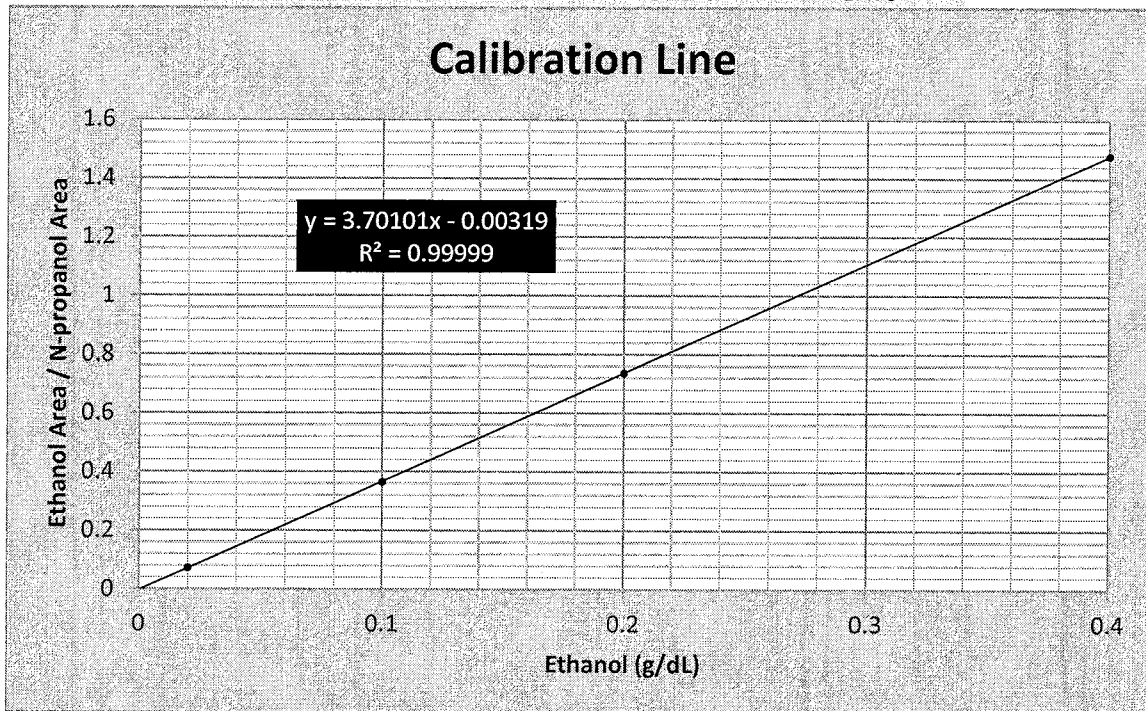
9/16/16  
 Technical Reviewer

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

SEQUENCE NAME: 13Sep16

Control	Vial	Expected Value (g/dL)	Measured Value (g/dL)	Percent Difference	Absolute Difference (g/dl)
1	5	negative	negative	-	-
2	7	0.400	0.398	0.50	-0.002
3	8	0.040	0.039	2.50	-0.001
4	9	0.200	0.201	0.50	0.001
5	20	0.060	0.079	1.25	-0.001
6	31	0.150	0.150	0.00	0.000
7	42	0.200	0.202	1.00	0.002
8	53	0.060	0.061	1.25	0.001
9	64	0.400	0.403	0.75	0.003
10	65	0.040	0.040	0.00	0.000
11	66	0.200	0.203	1.50	0.003
12	67	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.119	166.918	0.073
0.100	57.395	157.365	0.365
0.200	117.063	158.853	0.737
0.400	232.857	157.579	1.478



# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

Sample: 0.020 Cerilliant FN08101401	Item number:
Injection date: 9/13/2016 7:18:18 PM	Vial: 1
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\13Sep16\1.D	

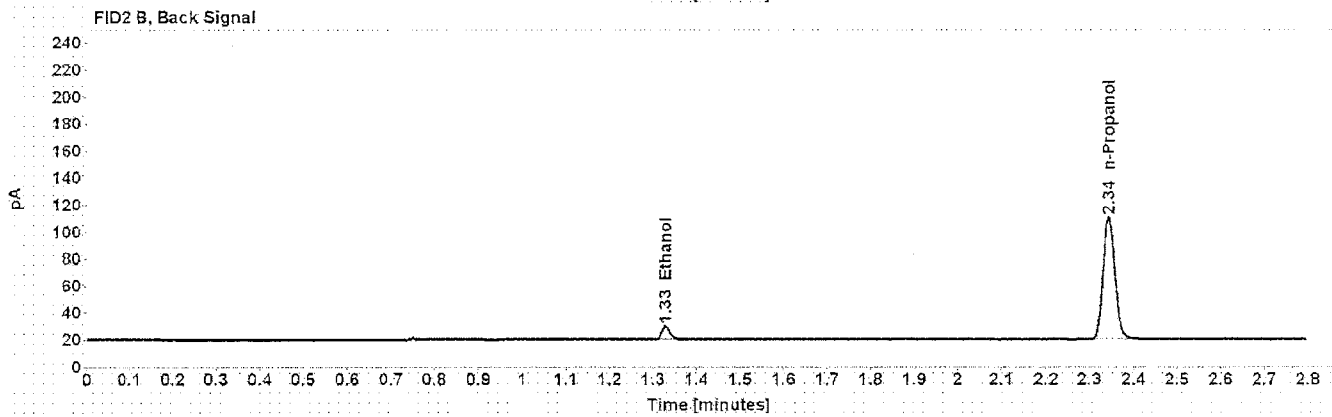
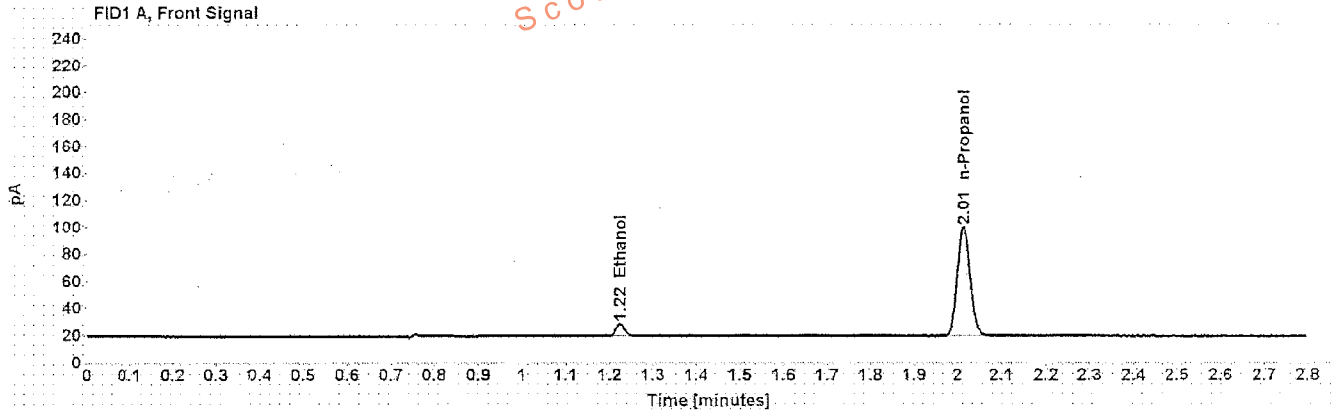


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	12.119
n-Propanol	2.013	166.918

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

Compound	Time (min)	Peak Area
Ethanol	1.328	12.371
n-Propanol	2.344	170.381

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 Cerilliant FN06181507	Item number:
Injection date: 9/13/2016 7:22:18 PM	Vial: 2
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\10\Data\13Sep16\2.D	

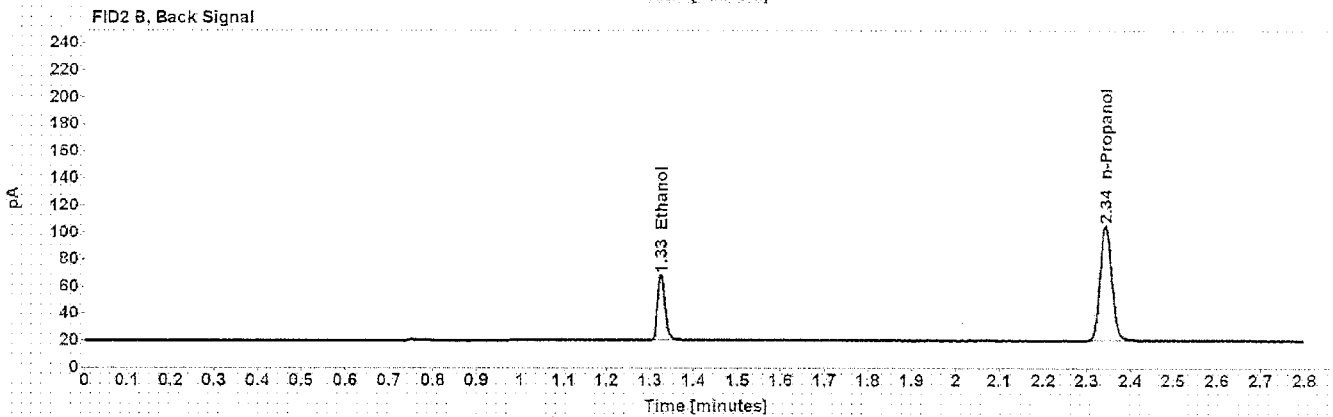
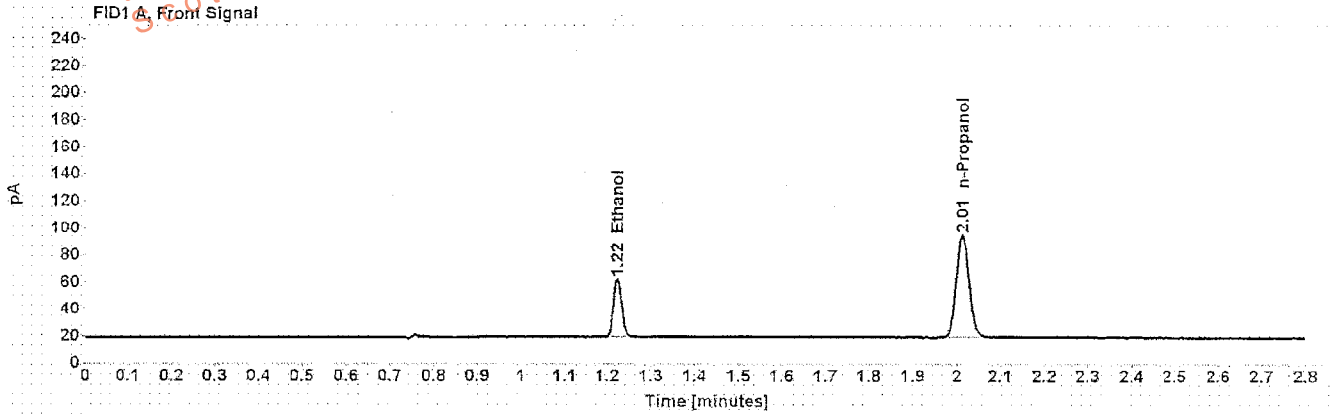


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	57.395
n-Propanol	2.013	157.365

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

Compound	Time (min)	Peak Area
Ethanol	1.326	58.614
n-Propanol	2.343	160.511

# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
 Scottsdale City Prosecutor

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 9/13/2016 7:26:18 PM	Vial: 3
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem3211\Data\13Sep16\3.D	

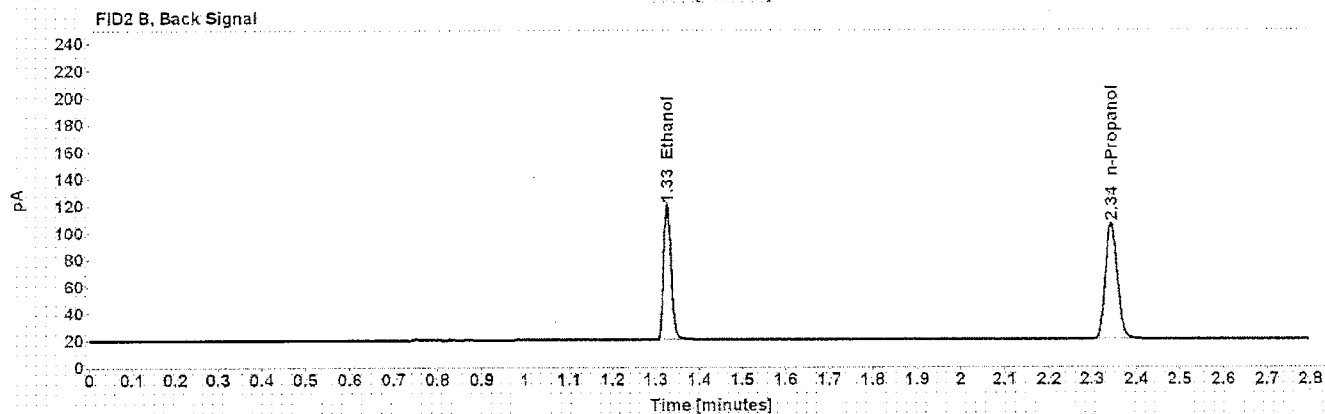
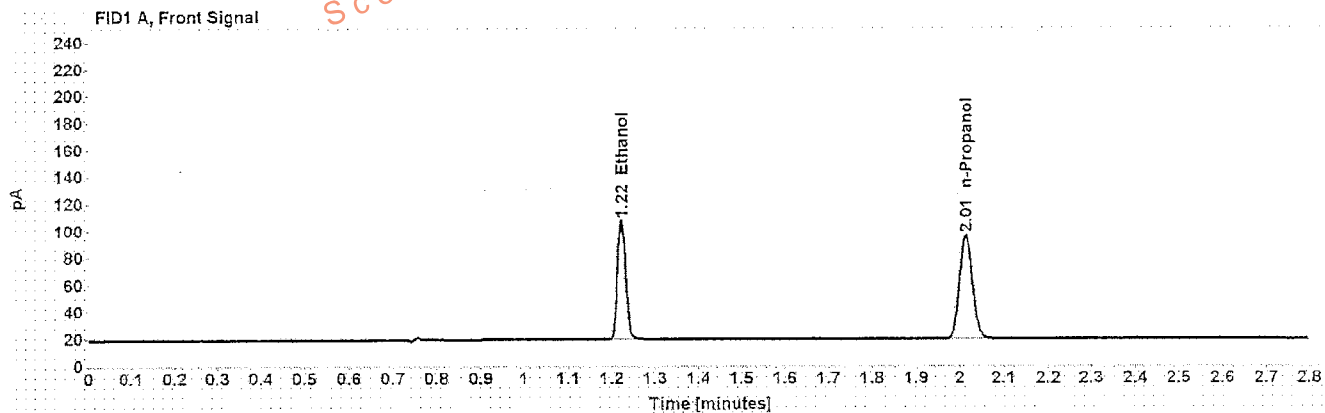


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	117.063
n-Propanol	2.013	158.853

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

Compound	Time (min)	Peak Area
Ethanol	1.325	120.289
n-Propanol	2.344	162.162

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 9/13/2016 7:30:18 PM	Vial: 4
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\13Sep16\4.D	

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
 Scottsdale City Prosecutor

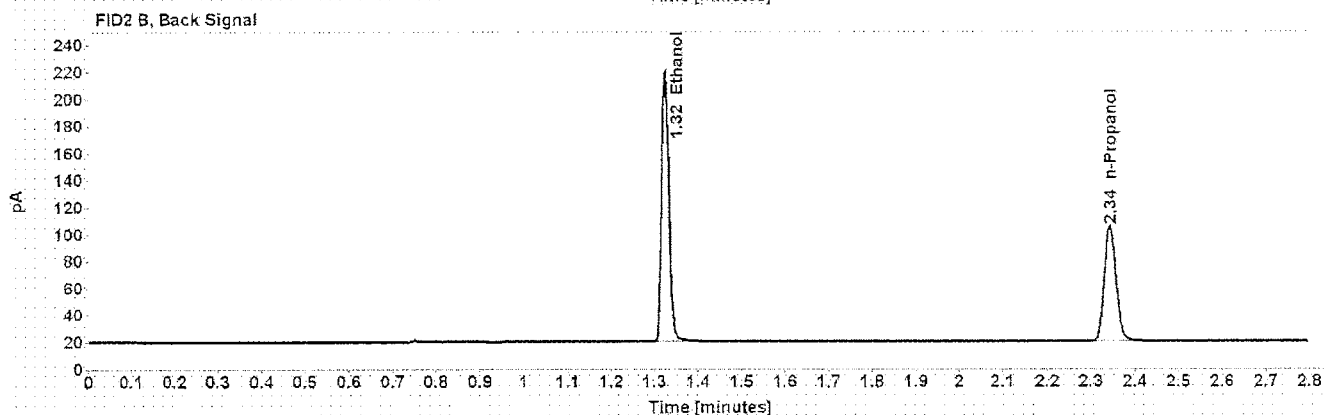
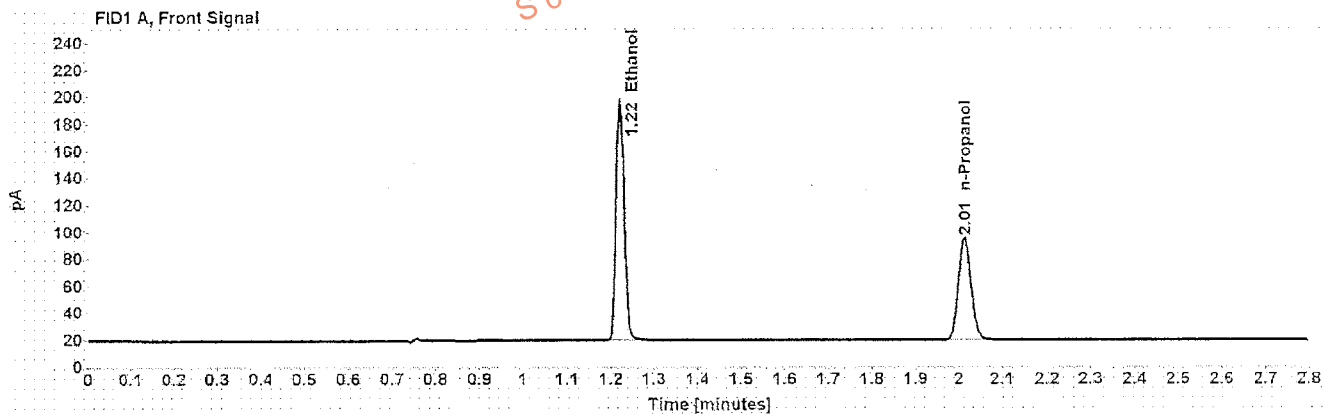


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	232.857
n-Propanol	2.013	157.579

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

Compound	Time (min)	Peak Area
Ethanol	1.324	240.091
n-Propanol	2.343	160.911

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 9/13/2016 7:34:19 PM	Vial: 5
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan, AJ
Data file: C:\Chem32\11\Data\13Sep16\5.D	

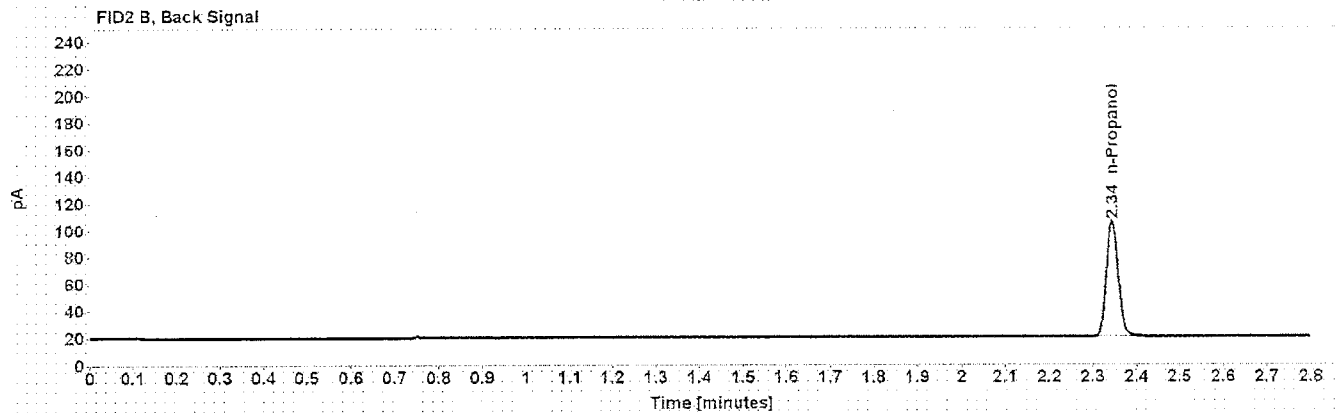
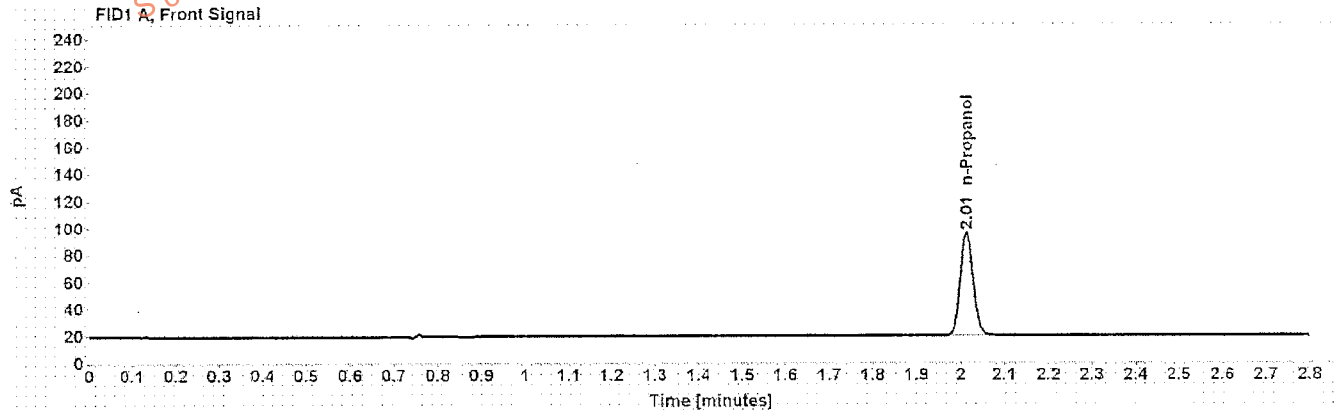


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	158.342

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	161.590

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 030916 ASL	Item number:
Injection date: 9/13/2016 7:38:19 PM	Vial: 6
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>Ad</i>
Data file: C:\Chem3211\Data\13Sep16\6.D	

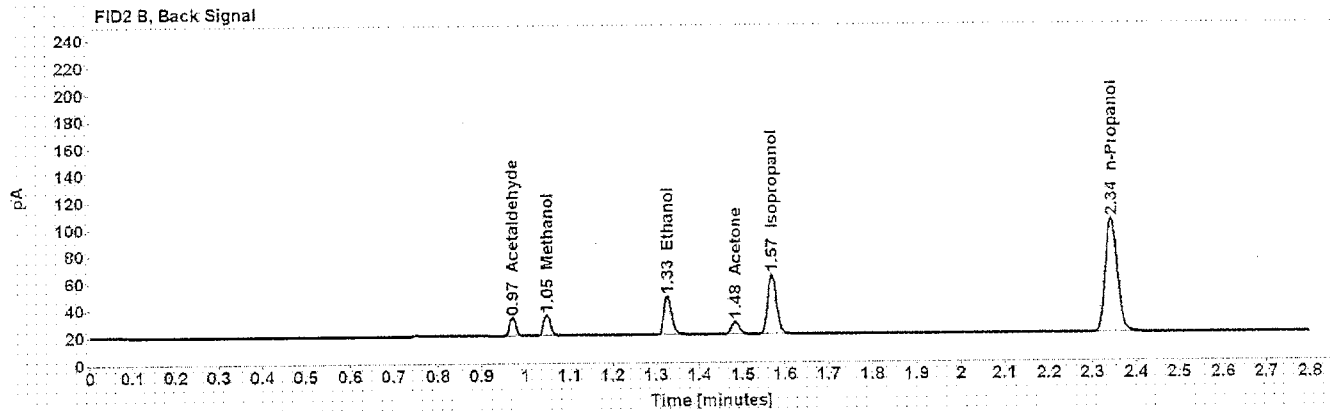
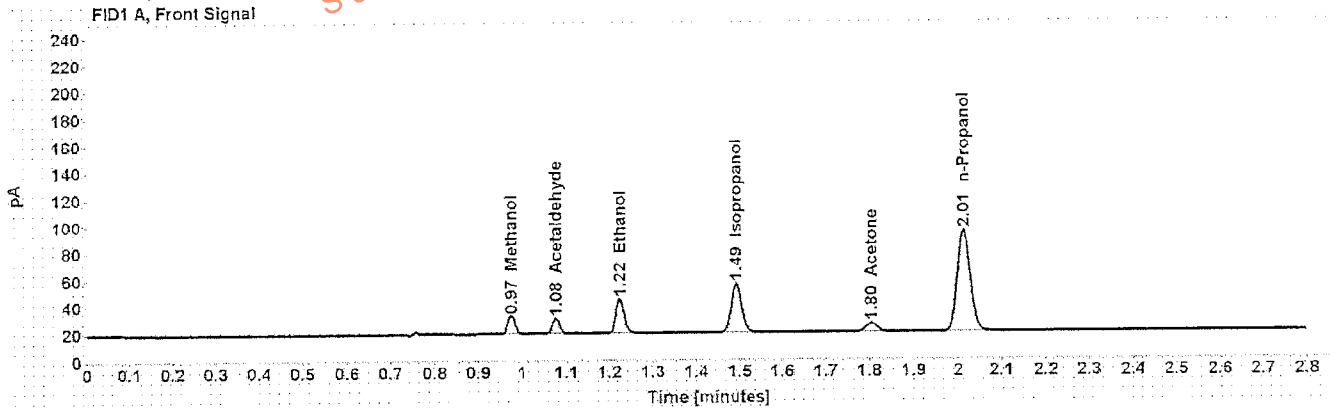


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.975	16.092
Acetaldehyde	-----	1.076	13.153
>Ethanol	0.0595	1.223	33.927
Isopropanol	-----	1.492	61.448
Acetone	-----	1.804	11.898
n-Propanol	-----	2.013	156.209

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	13.864
Methanol	1.049	16.430
Ethanol	1.326	34.663
Acetone	1.483	11.930
Isopropanol	1.569	63.422
n-Propanol	2.344	159.266



# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized Agencies is PROHIBITED.  
Scottsdale City Prosecutor

Sample: 0.400 Lipomed 05012012-C	Item number:
Injection date: 9/13/2016 7:42:34 PM	Vial: 7
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan AJ
Data file: C:\Chem32\1\Data\13Sep16\7.D	

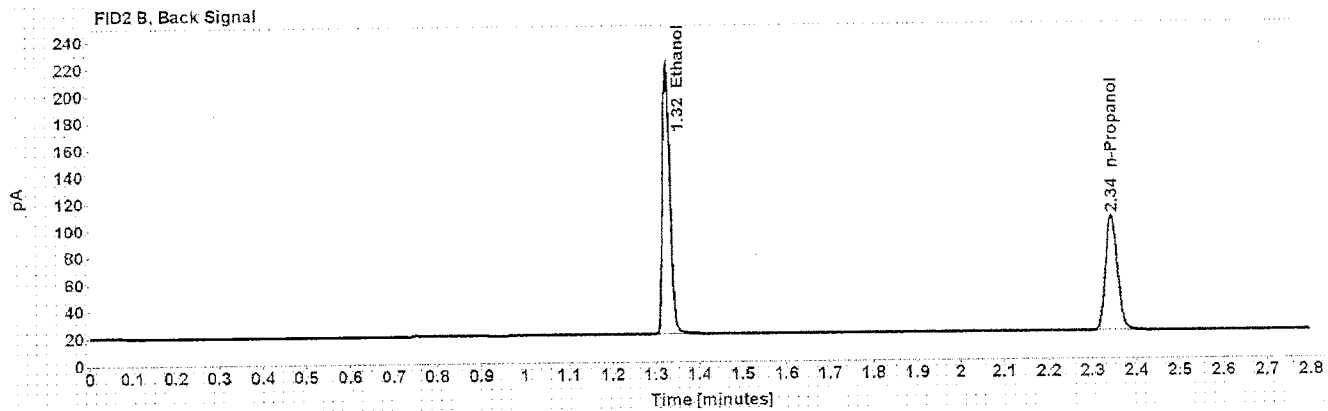
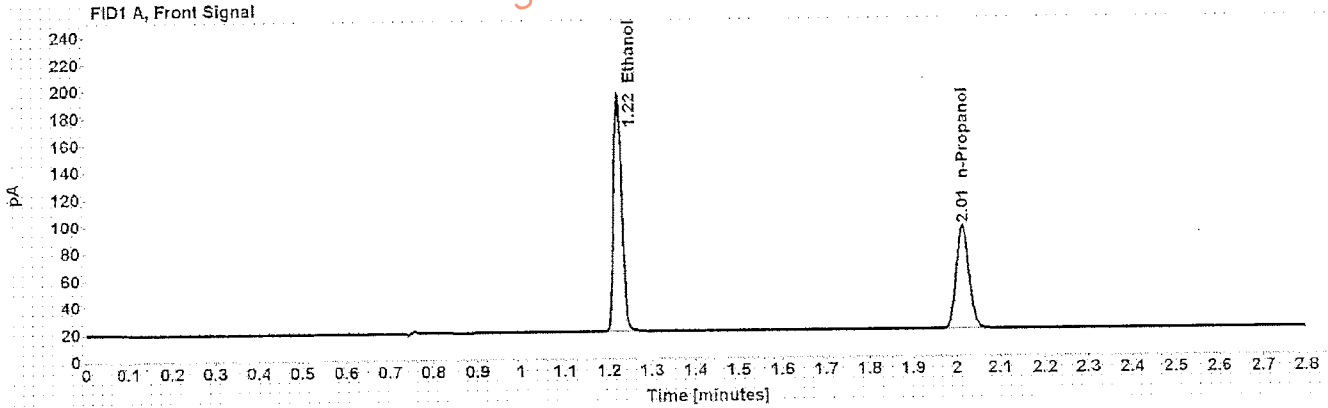


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3988	1.222	232.916
n-Propanol	-----	2.013	158.135

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

Compound	Time (min)	Peak Area
Ethanol	1.325	239.928
n-Propanol	2.343	161.234

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 30112011-B	Item number:
Injection date: 9/13/2016 7:46:34 PM	Vial: 8
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem3211\Data\13Sep16\8.D	

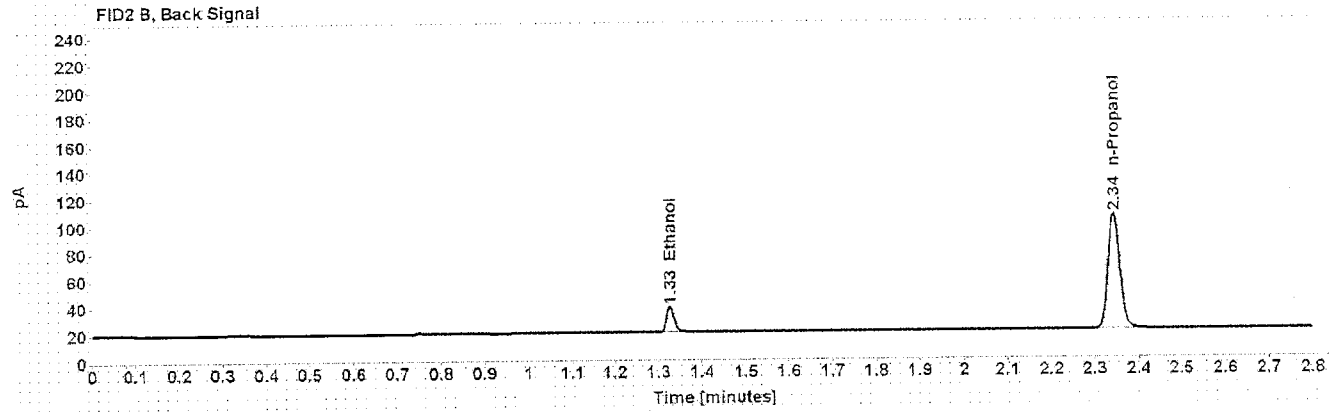
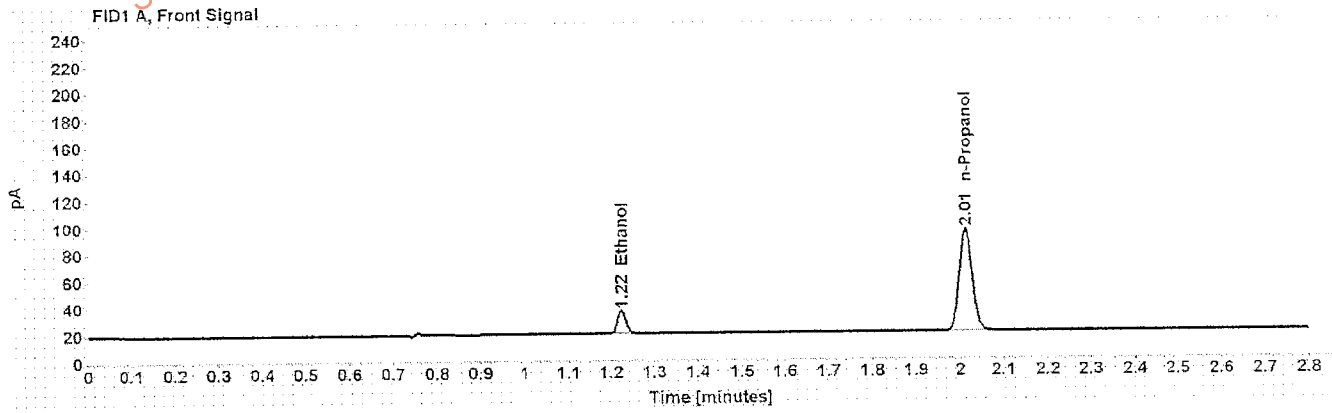


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0393	1.224	22.379
n-Propanol	-----	2.013	157.306

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

Compound	Time (min)	Peak Area
Ethanol	1.327	22.754
n-Propanol	2.343	160.617

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 9/13/2016 7:50:34 PM	Vial: 9
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023-CN14160045	Analyst: Langan AJ
Data file: C:\Chem3211\Data\13Sep16\9.D	

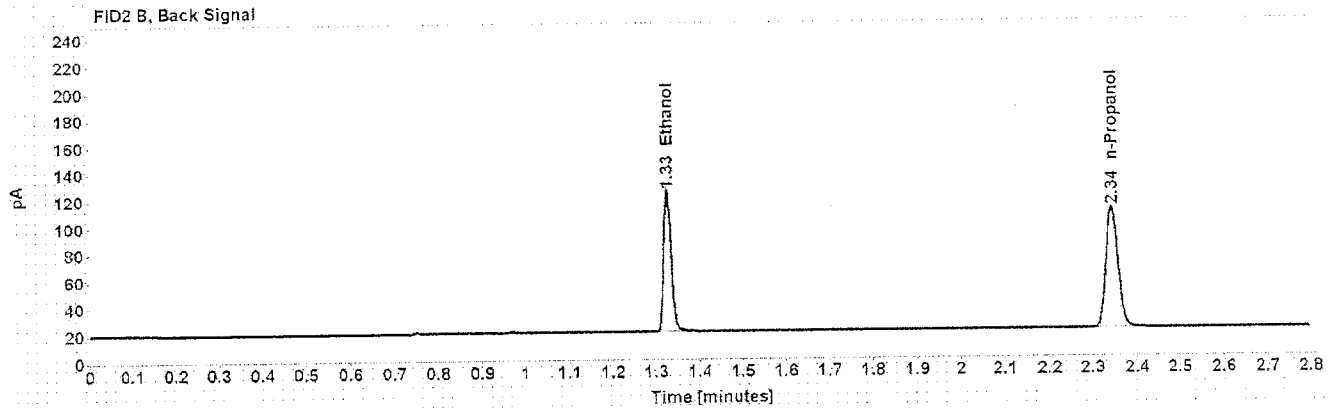
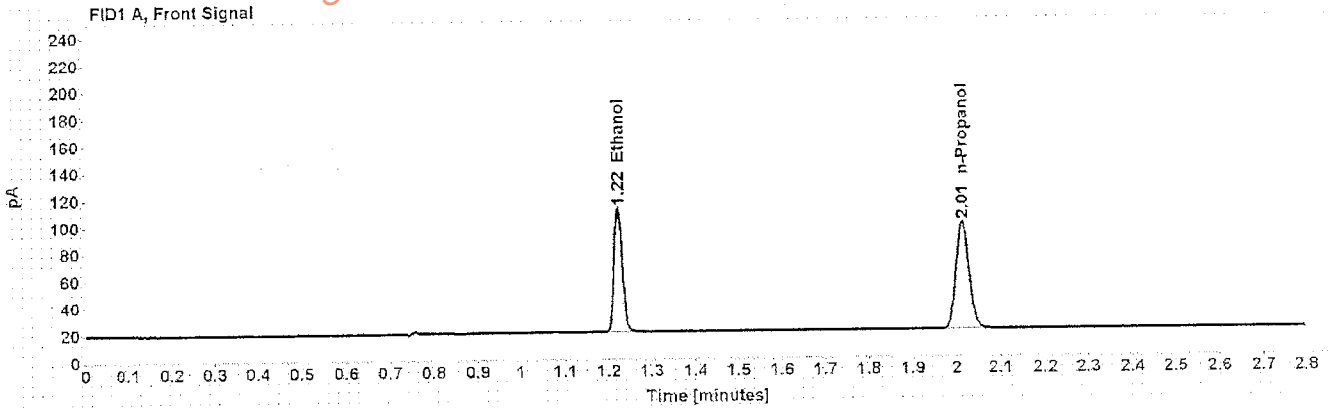


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2016	1.223	122.307
n-Propanol	-----	2.013	164.608

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

Compound	Time (min)	Peak Area
Ethanol	1.326	125.294
n-Propanol	2.344	168.176

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 9/13/2016 8:35:04 PM	Vial: 20
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>PL</i>
Data file: C:\Chem32\1\Data\13Sep16\20.D	

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized Agencies is PROHIBITED.  
Scottsdale City Prosecutor

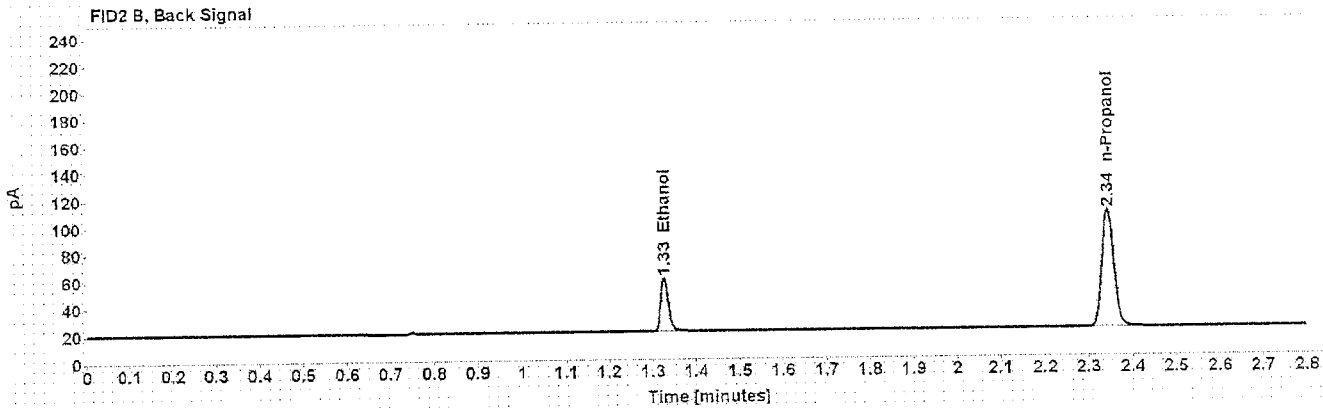
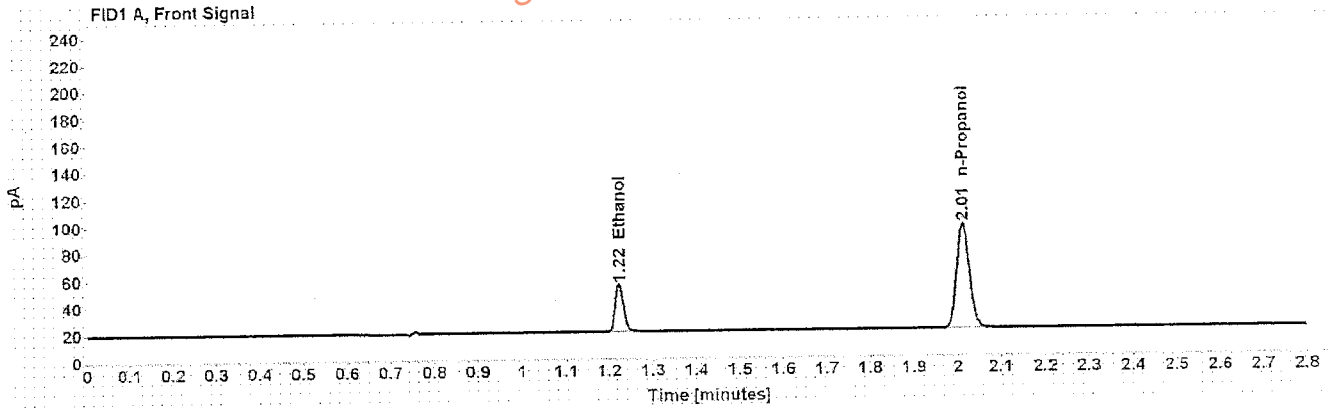


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0792	1.223	46.437
n-Propanol	-----	2.013	160.200

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

Compound	Time (min)	Peak Area
Ethanol	1.326	47.655
n-Propanol	2.344	163.744

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.150 Lipomed 11012012-C	<b>Item number:</b>
<b>Injection date:</b> 9/13/2016 9:19:34 PM	<b>Vial:</b> 31
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan AJ
<b>Data file:</b> C:\Chem3211\Data\13Sep16\31.D	

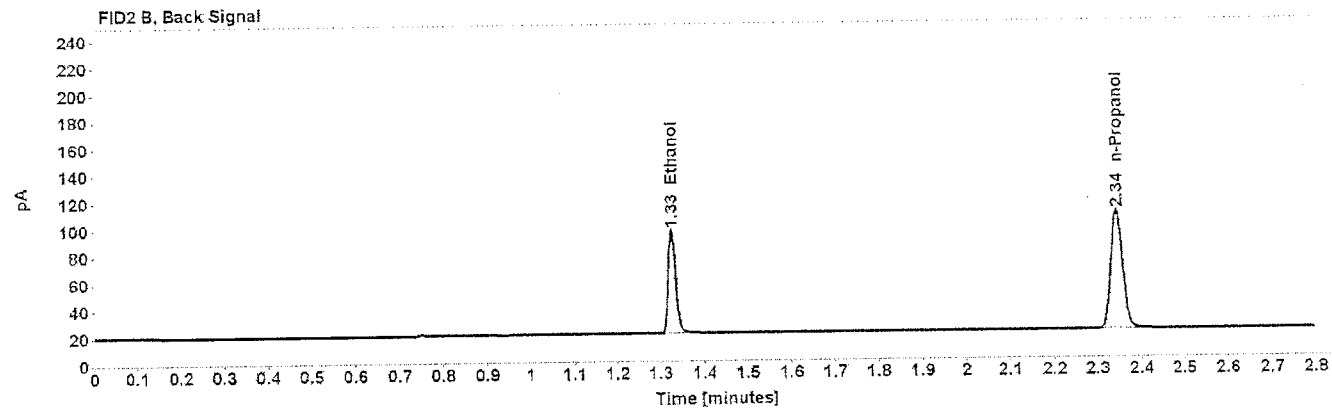
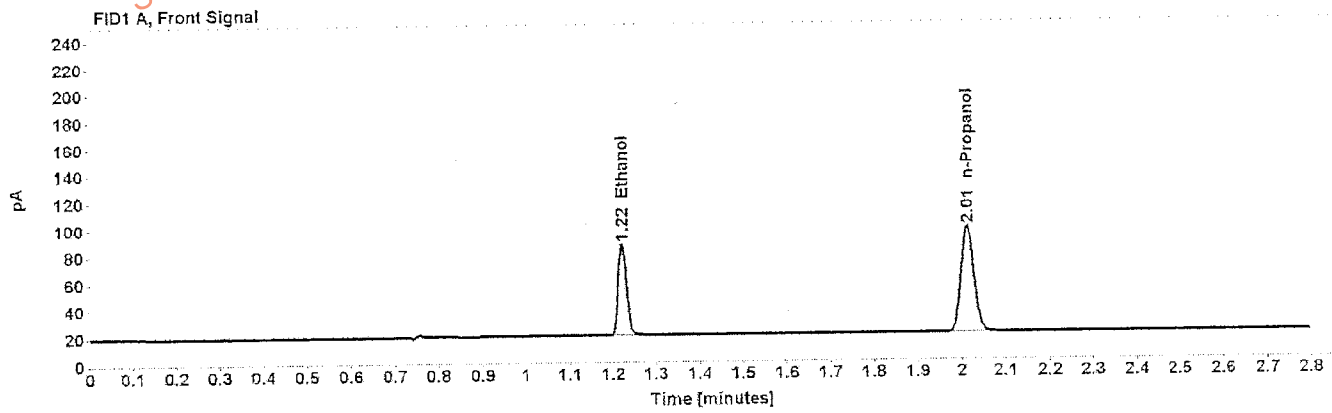


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1507	1.223	89.745
n-Propanol	-----	2.013	161.876

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

Compound	Time (min)	Peak Area
Ethanol	1.325	92.275
n-Propanol	2.343	165.596

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 9/13/2016 10:03:49 PM	Vial: 42
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023-CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem3211\Data\13Sep16\42.D	

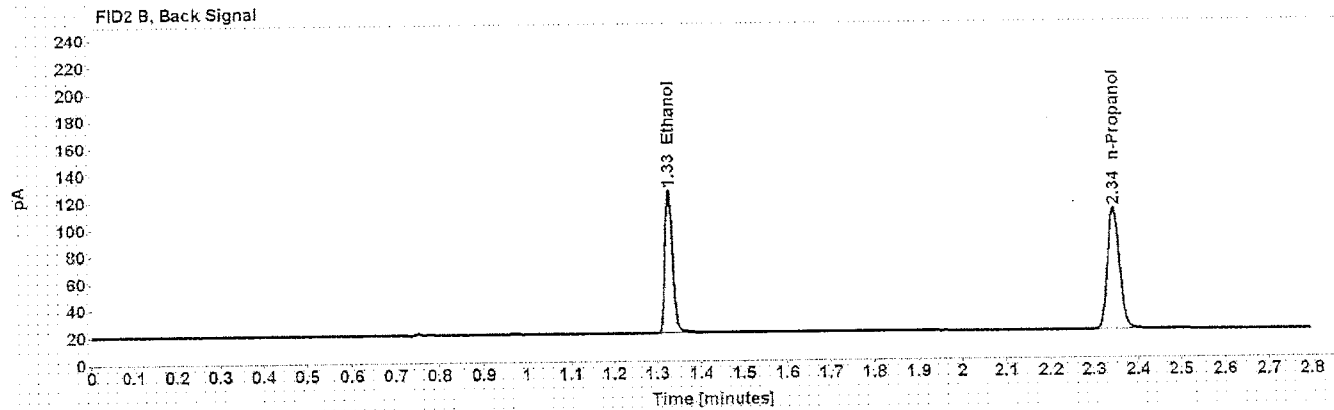
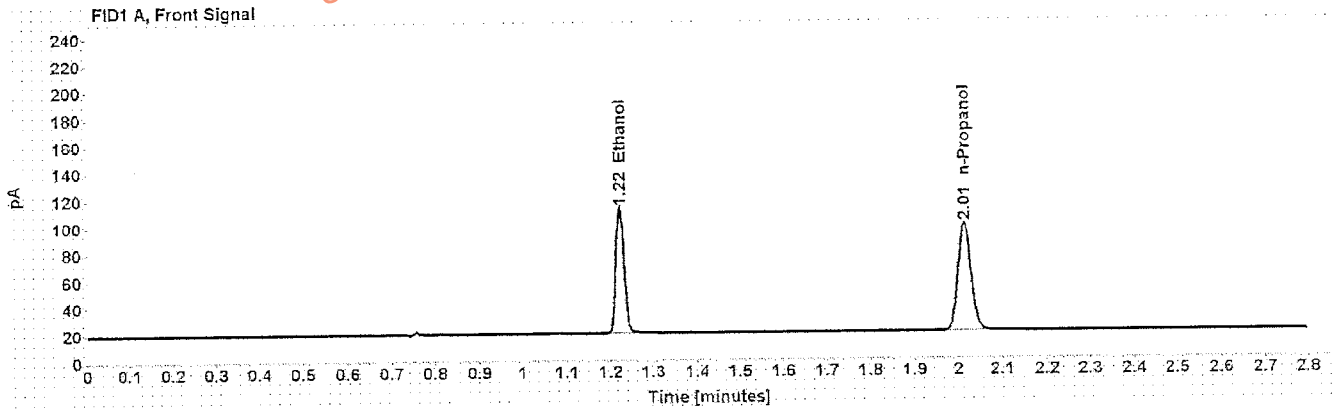


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2025	1.223	123.254
n-Propanol	-----	2.014	165.166

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

Compound	Time (min)	Peak Area
Ethanol	1.326	126.716
n-Propanol	2.344	169.617

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number:
Injection date: 9/13/2016 10:48:19 PM	Vial: 53
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\13Sep16\53.D	

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

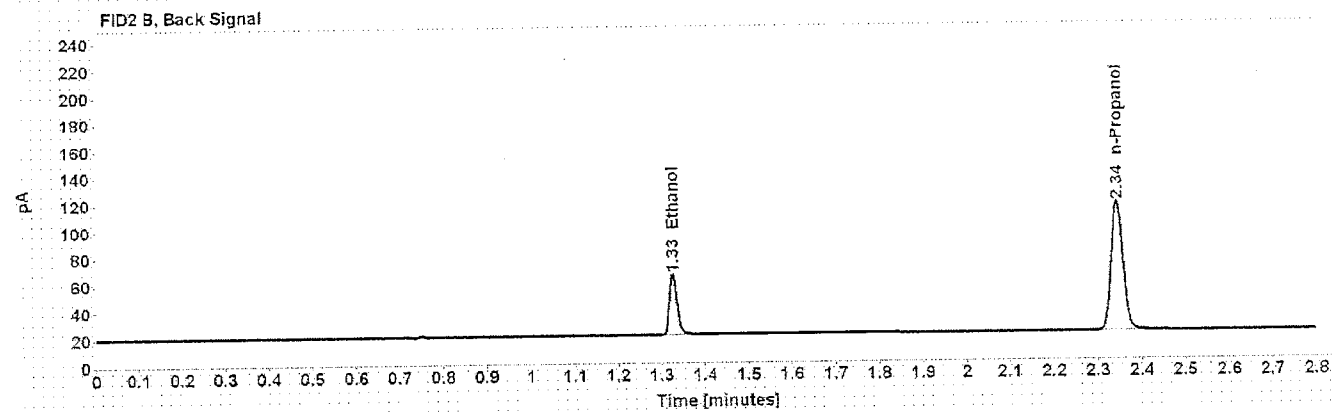
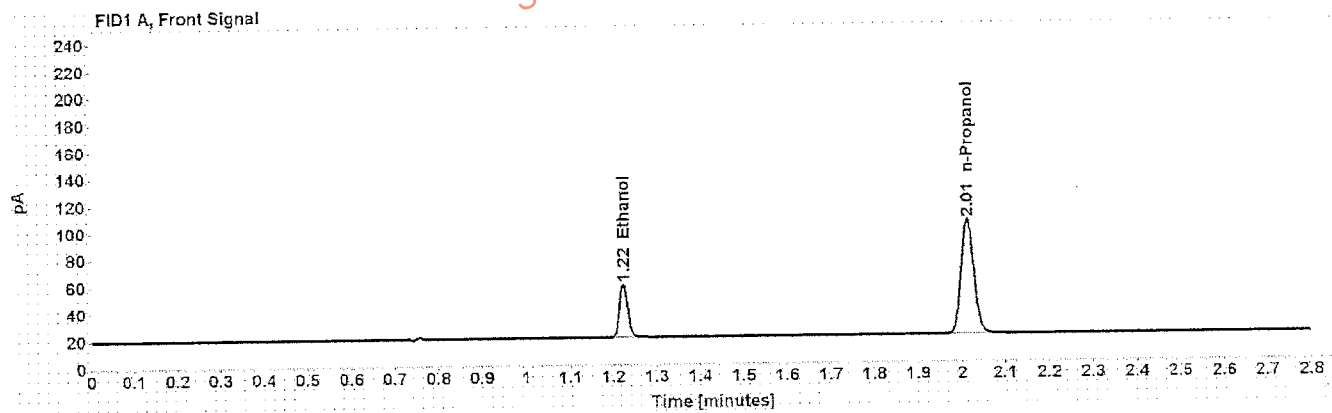


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.223	52.401
n-Propanol	-----	2.013	175.715

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

Compound	Time (min)	Peak Area
Ethanol	1.326	53.808
n-Propanol	2.344	180.113

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 9/13/2016 11:32:49 PM	Vial: 64
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan, A
Data file: C:\Chem321\1Data\13Sep16\58.D	

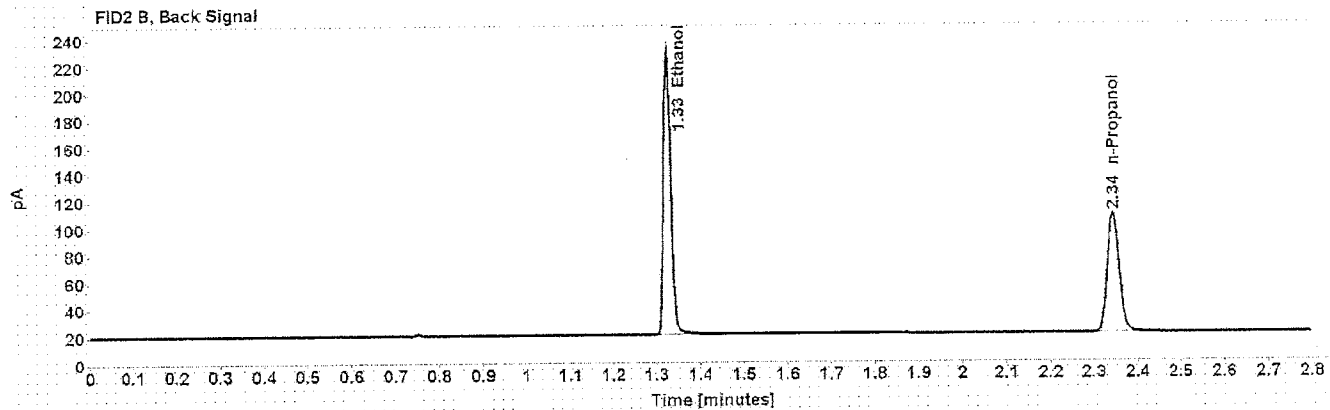
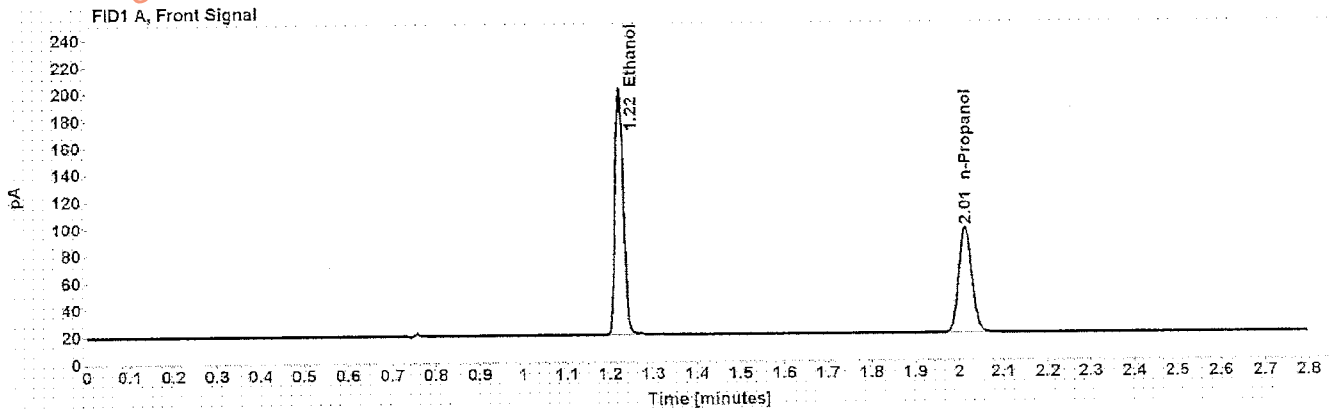


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4031	1.222	241.770
n-Propanol	-----	2.013	162.389

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

Compound	Time (min)	Peak Area
Ethanol	1.325	249.922
n-Propanol	2.344	166.714



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 9/13/2016 11:36:48 PM	Vial: 65
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023-CN14160045	Analyst: Langan <i>RL</i>
Data file: C:\Chem32\11\Data\13Sep16\59.D	

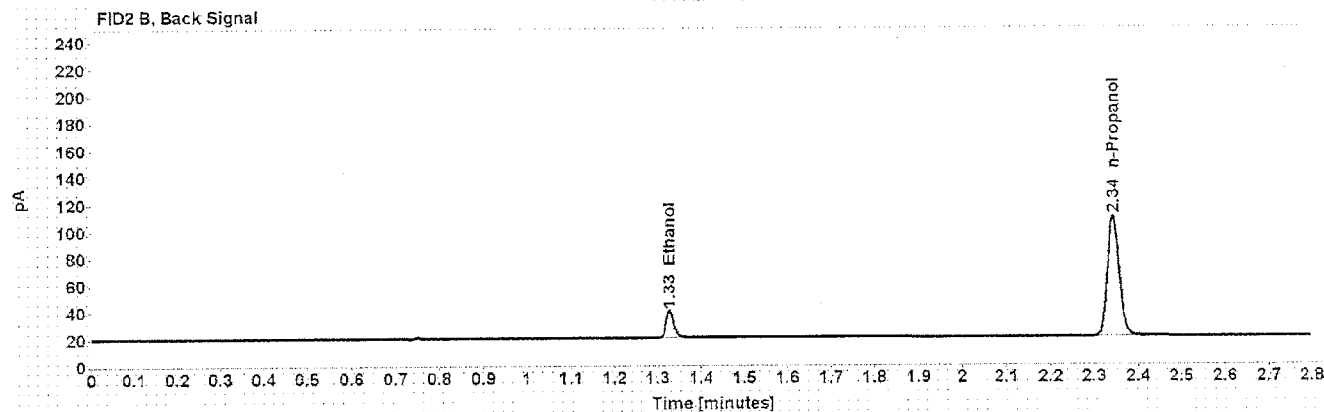
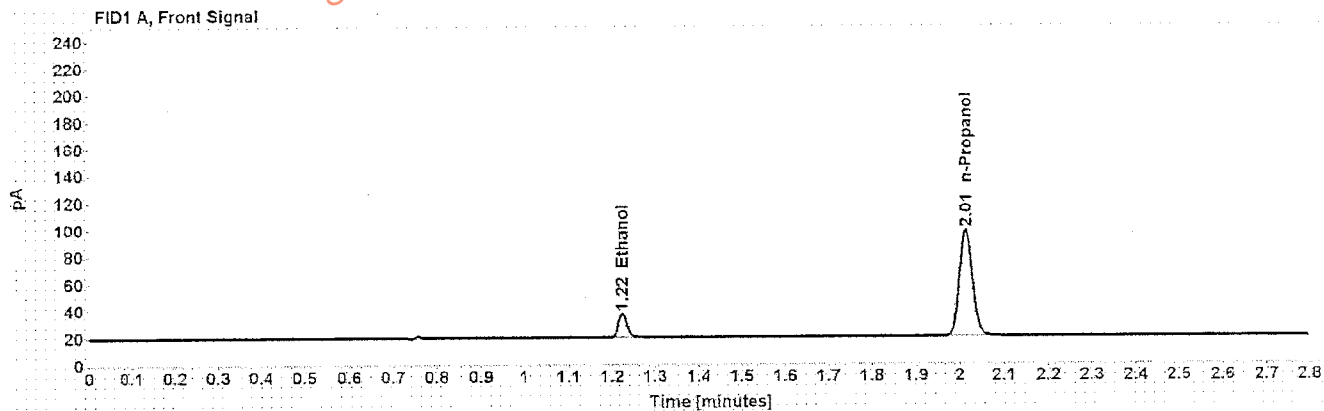


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0400	1.224	23.663
n-Propanol	-----	2.013	163.148

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

Compound	Time (min)	Peak Area
Ethanol	1.327	24.129
n-Propanol	2.344	167.402

# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 9/13/2016 11:40:48 PM	Vial: 66
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>M</i>
Data file: C:\Chem32\1\Data\13Sep16\60.D	

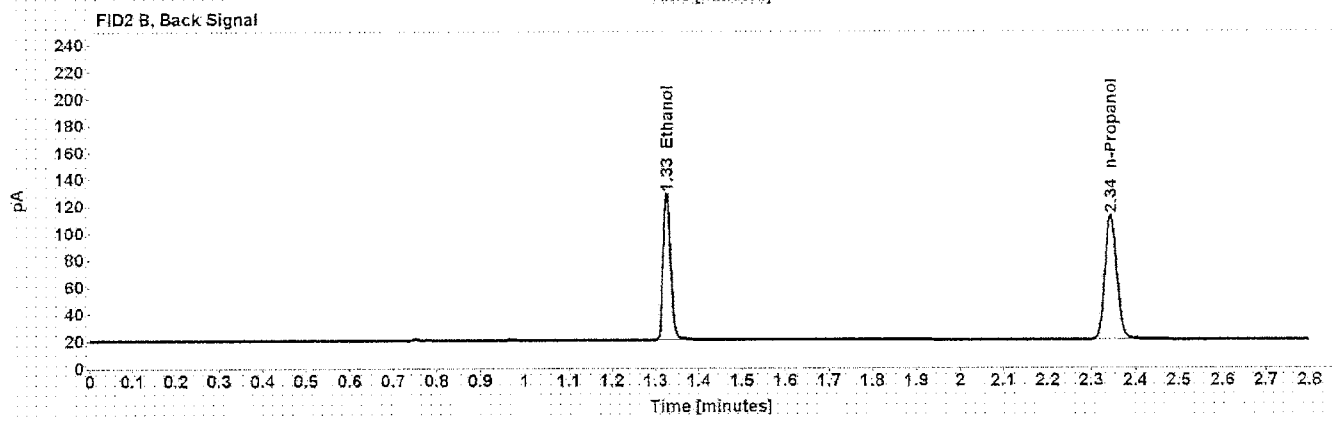
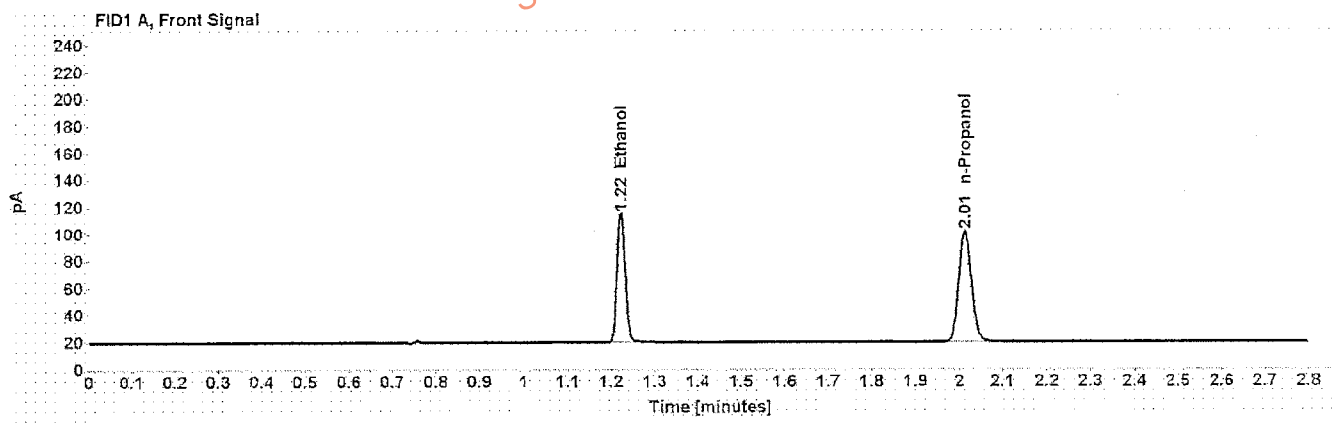


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.223	126.207
n-Propanol	-----	2.013	168.581

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

Compound	Time (min)	Peak Area
Ethanol	1.326	130.072
n-Propanol	2.344	173.357

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 9/13/2016 11:45:03 PM	Vial: 67
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan A
Data file: C:\Chem32\1\Data\13Sep16\61.D	

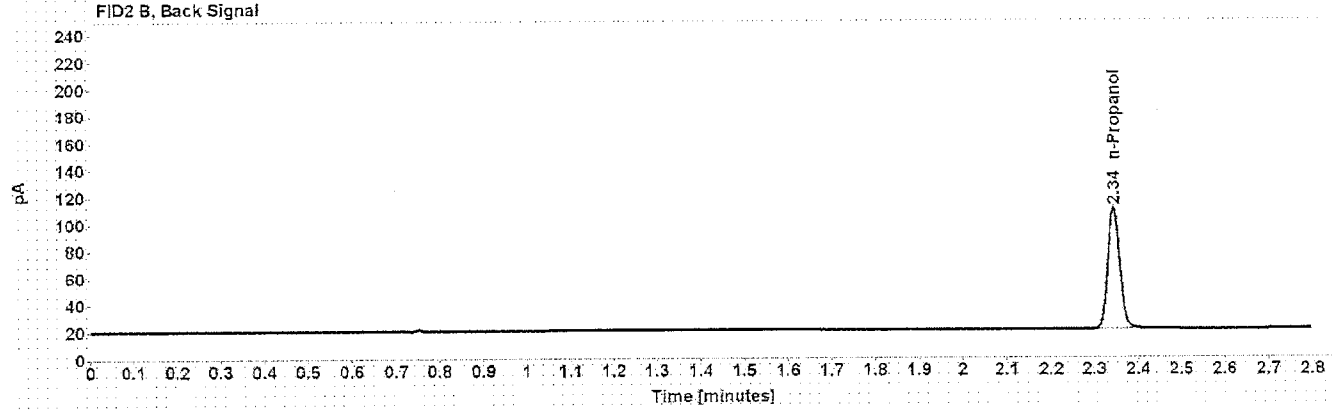
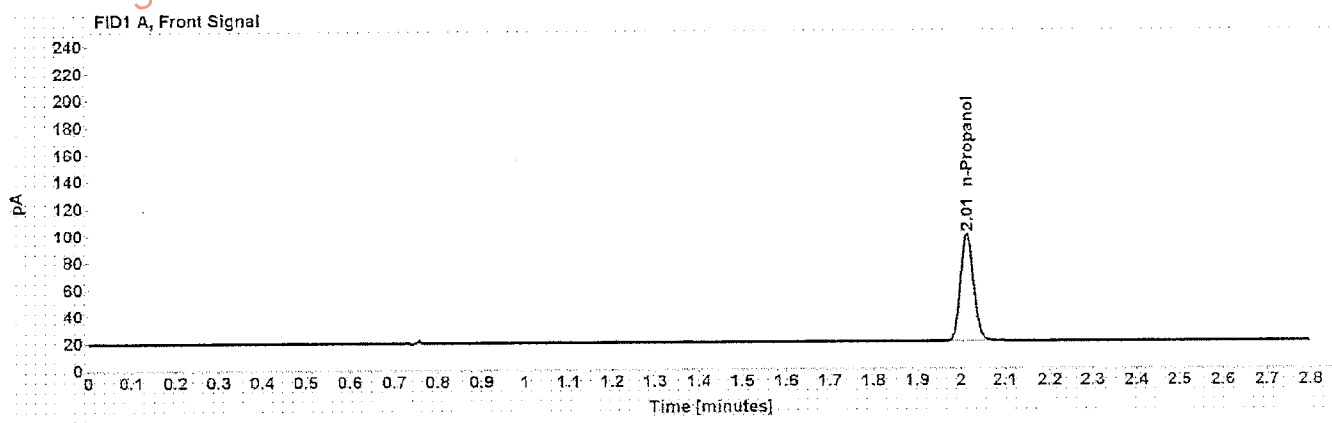


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	164.799

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	169.386

# Sequence Summary

Sequence name: 13Sep16 Instrument: US14173023 CN14160045 Analyst: Langan

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 FN07201602	Calibration		ethanol quant.M
4	0.400 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 110215	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	1108175	ethanol quant.M
11	L16 [REDACTED]	Sample	1108175	ethanol quant.M
12	L16 [REDACTED]	Sample	1111769	ethanol quant.M
13	L16 [REDACTED]	Sample	1111769	ethanol quant.M
14	L16 [REDACTED]	Sample	1111609	ethanol quant.M
15	L16 [REDACTED]	Sample	1111609	ethanol quant.M
16	L16 [REDACTED]	Sample	1111431	ethanol quant.M
17	L16 [REDACTED]	Sample	1111431	ethanol quant.M
18	L16 [REDACTED]	Sample	1113298	ethanol quant.M
19	L16 [REDACTED]	Sample	1113298	ethanol quant.M
20	0.080 Lipomed 14112011-A	Control		ethanol quant.M
21	L16 [REDACTED]	Sample	1110511	ethanol quant.M
22	L16 [REDACTED]	Sample	1110511	ethanol quant.M
23	L16 [REDACTED]	Sample	1111226	ethanol quant.M
24	L16 [REDACTED]	Sample	1111226	ethanol quant.M
25	L16 [REDACTED]	Sample	1111060	ethanol quant.M
26	L16 [REDACTED]	Sample	1111060	ethanol quant.M
27	L16 [REDACTED]	Sample	1110762	ethanol quant.M
28	L16 [REDACTED]	Sample	1110762	ethanol quant.M
29	L16 [REDACTED]	Sample	1111434	ethanol quant.M
30	L16 [REDACTED]	Sample	1111434	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32	L16 [REDACTED]	Sample	1108979	ethanol quant.M
33	L16 [REDACTED]	Sample	1108979	ethanol quant.M
34	L16 [REDACTED]	Sample	267-01A	ethanol quant.M
35	L16 [REDACTED]	Sample	267-01A	ethanol quant.M
36	L16 [REDACTED]	Sample	267-01A	ethanol quant.M
37	L16 [REDACTED]	Sample	267-01A	ethanol quant.M
38	L16 [REDACTED]	Sample	982866	ethanol quant.M
39	L16 [REDACTED]	Sample	982866	ethanol quant.M
40	L16 [REDACTED]	Sample	1068976	ethanol quant.M
41	L16 [REDACTED]	Sample	1068976	ethanol quant.M
42	0.20 ACQ 402101060/6	Control		ethanol quant.M
43	L16 [REDACTED]	Sample	1113459	ethanol quant.M
44	L16 [REDACTED]	Sample	1113459	ethanol quant.M
45	L16 [REDACTED]	Sample	1113327	ethanol quant.M
46	L16 [REDACTED]	Sample	1113327	ethanol quant.M
47	L16 [REDACTED]	Sample	1111433	ethanol quant.M

# Sequence Summary

48	L1	[REDACTED]	Sample	1111433	ethanol quant.M
49	L1	[REDACTED]	Sample	1086016	ethanol quant.M
50	L1	[REDACTED]	Sample	1086016	ethanol quant.M
51	L1	[REDACTED]	Sample	1113482	ethanol quant.M
52	L1	[REDACTED]	Sample	1113482	ethanol quant.M
53		0.080 Lipomed 14112011-A	Control		ethanol quant.M
54	L1	[REDACTED]	Sample	1112191	ethanol quant.M
55	L1	[REDACTED]	Sample	1112191	ethanol quant.M
56	L1	[REDACTED]	Sample	1113787	ethanol quant.M
57	L1	[REDACTED]	Sample	1113787	ethanol quant.M
58		0.20 ACQ 407041529/3	Control		ethanol quant.M
59		0.20 ACQ 407041529/3	Control		ethanol quant.M
60		0.30 Lipomed 18052015-A/1	Control		ethanol quant.M
61		0.30 Lipomed 18052015-A/1	Control		ethanol quant.M
62		0.04 Lipomed 09022015-A	Control		ethanol quant.M
63		0.04 Lipomed 09022015-A	Control		ethanol quant.M
64		0.40 Lipomed 05012012-C	Control		ethanol quant.M
65		0.04 Lipomed 30112011-B	Control		ethanol quant.M
66		0.20 ACQ 402101060/6	Control		ethanol quant.M
67		blank 110215	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
 Scottsdale City Prosecutor



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1108175
Injection date: 9/13/2016 7:54:33 PM	Vial: 10
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\13Sep16\10.D	

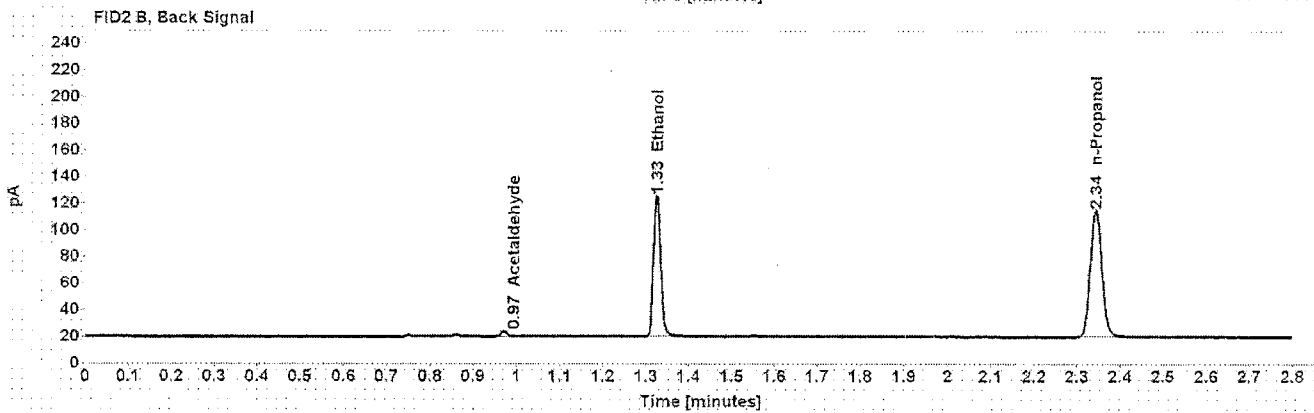
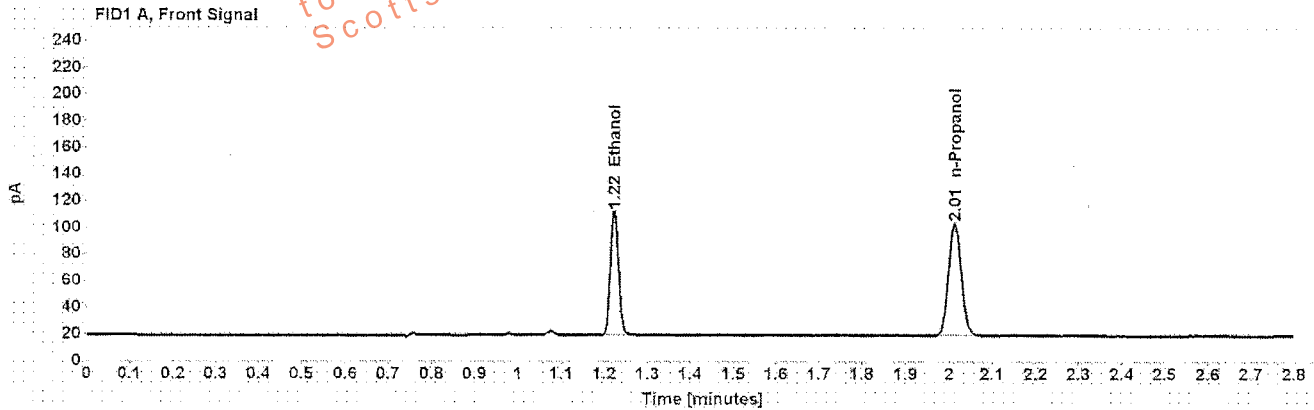


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1920	1.223	123.237
n-Propanol	-----	2.013	174.197

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.774
Ethanol	1.325	126.569
n-Propanol	2.344	178.324

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1108175
Injection date: 9/13/2016 7:58:33 PM	Vial: 11
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\13Sep16\11.D	

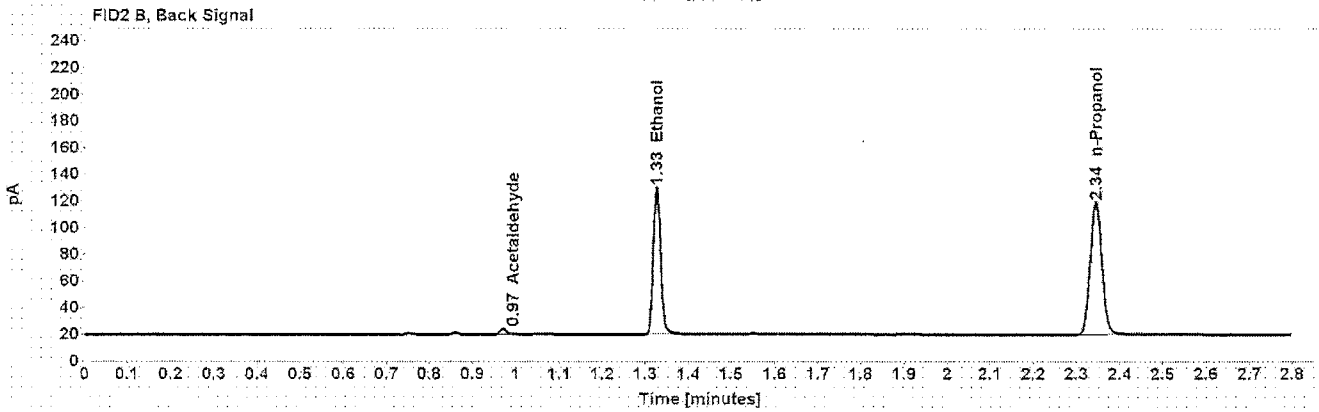
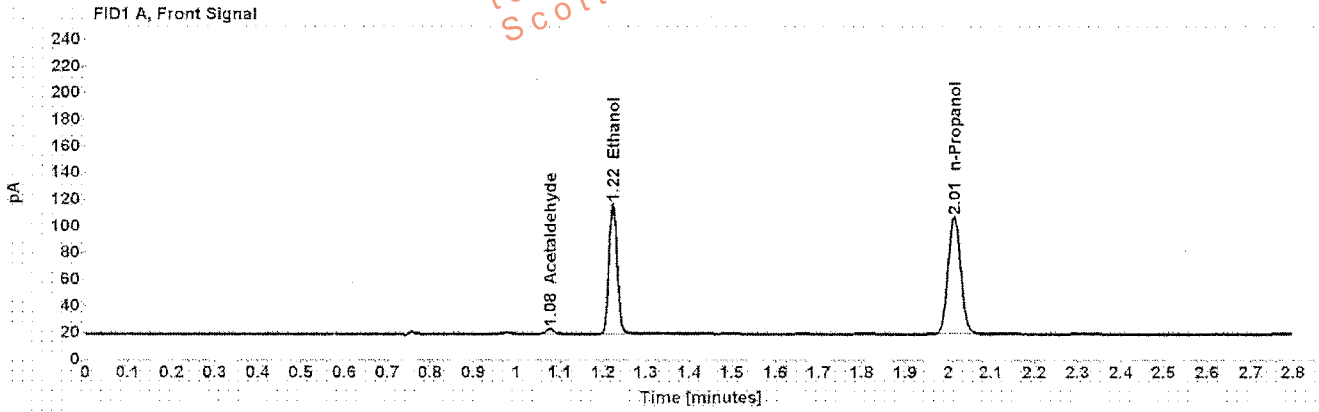


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.976
>Ethanol	0.1929	1.223	129.323
n-Propanol	-----	2.013	181.957

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.250
Ethanol	1.326	132.906
n-Propanol	2.344	186.470



Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1111769
Injection date:	9/13/2016 8:02:34 PM	Vial:	12
Method:	ethanol quant.M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem321\Data\13Sep16\12.D		

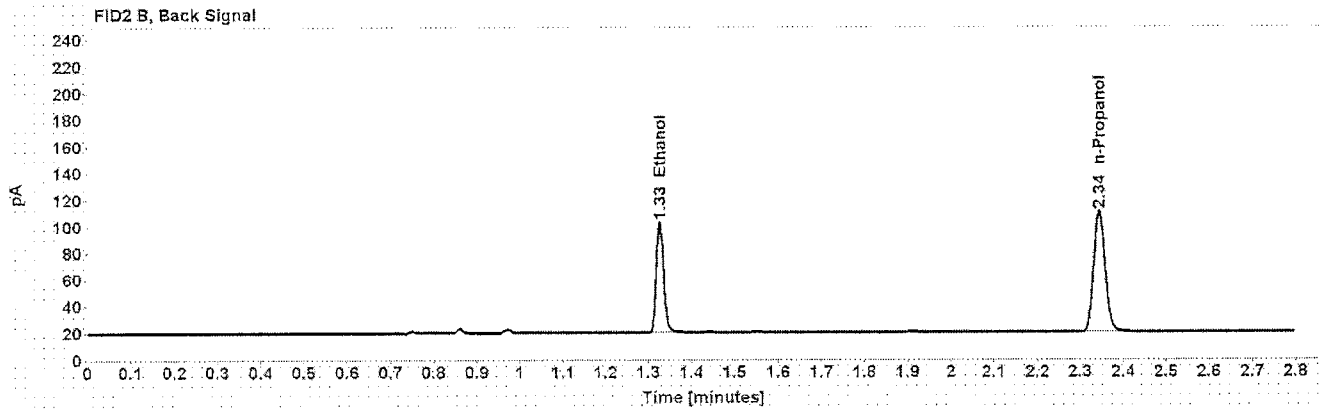
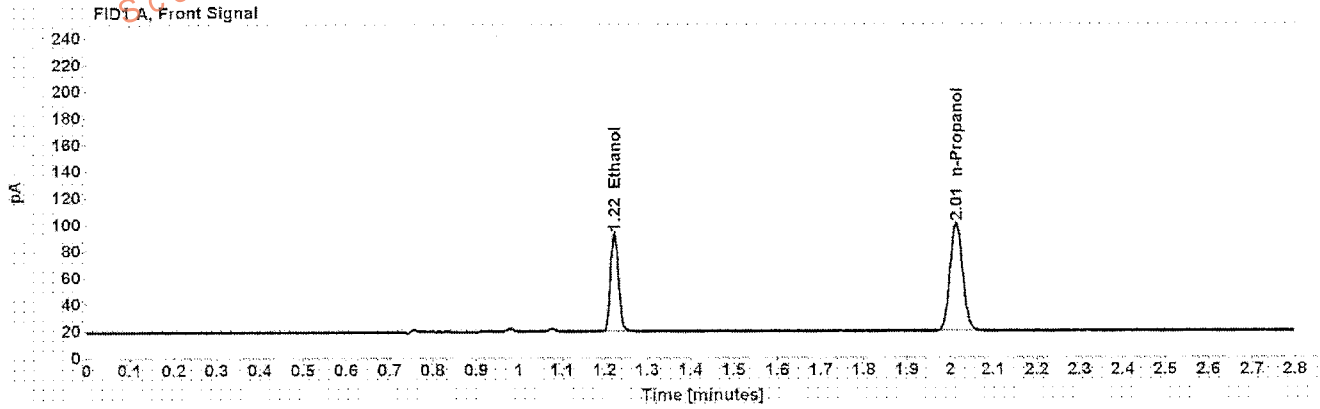


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1592	1.223	97.609
n-Propanol	-----	2.014	166.557

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

Compound	Time (min)	Peak Area
Ethanol	1.326	100.244
n-Propanol	2.344	170.760

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111769  
Injection date: 9/13/2016 8:06:49 PM Vial: 13  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\1\13Sep16\13.D

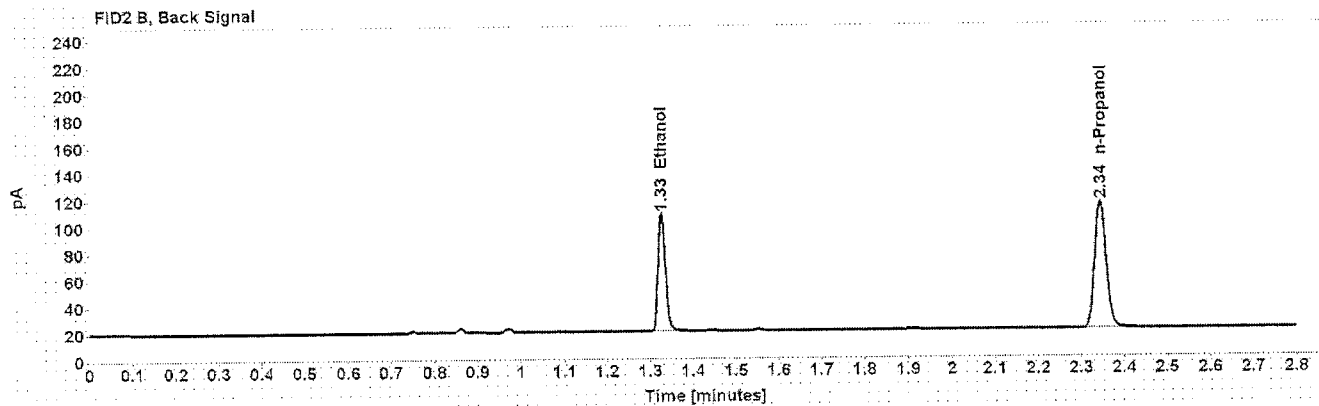
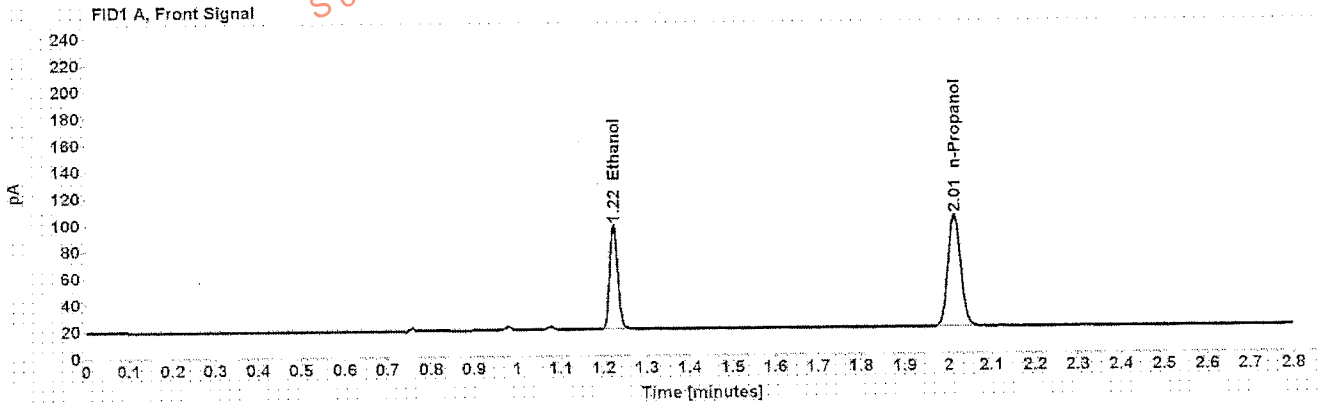


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1612	1.223	102.898
n-Propanol	-----	2.014	173.407

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

Compound	Time (min)	Peak Area
Ethanol	1.327	105.767
n-Propanol	2.345	178.238

Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111609  
Injection date: 9/13/2016 8:10:48 PM Vial: 14  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\14.D

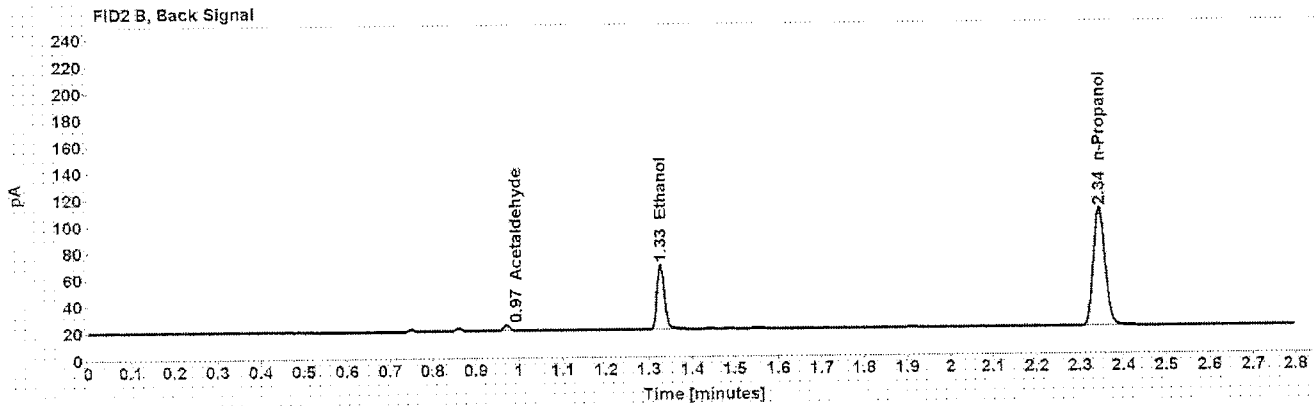
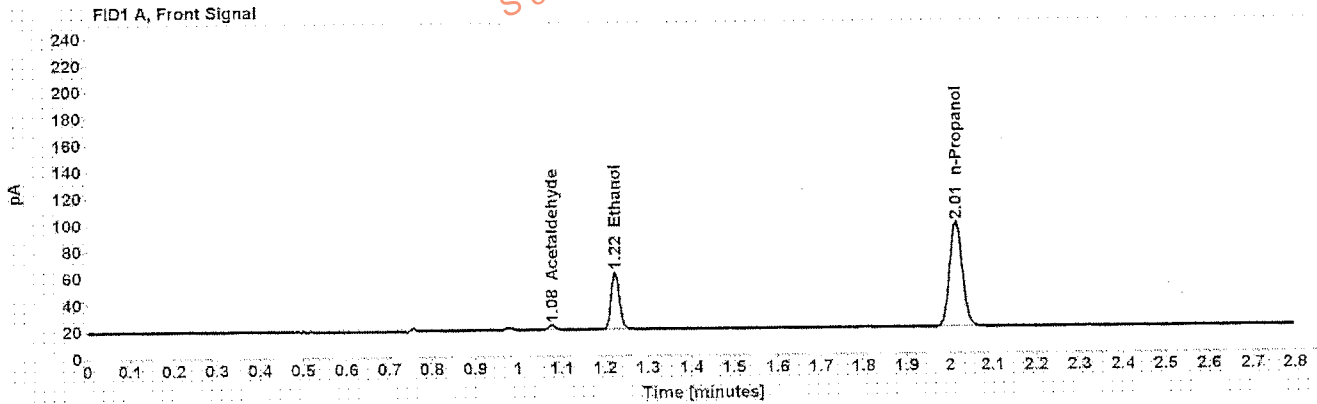


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.052
>Ethanol	0.0959	1.223	57.167
n-Propanol	-----	2.014	162.527

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.318
Ethanol	1.326	58.666
n-Propanol	2.344	166.806

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1111609
Injection date: 9/13/2016 8:14:48 PM	Vial: 15
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14473023 CN14160045	Analyst: Langan
Data file: C:\Chem321\Data\13Sep16\15.D	

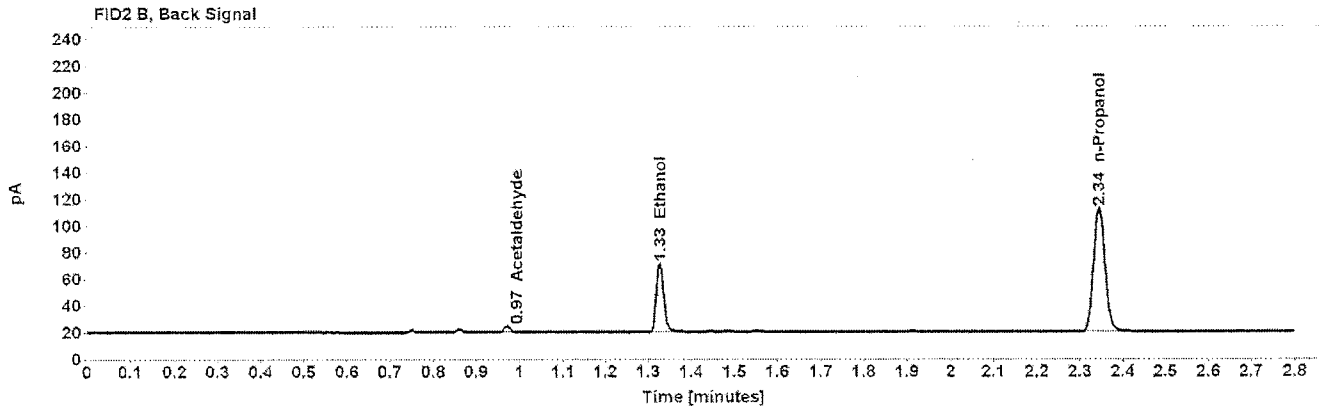
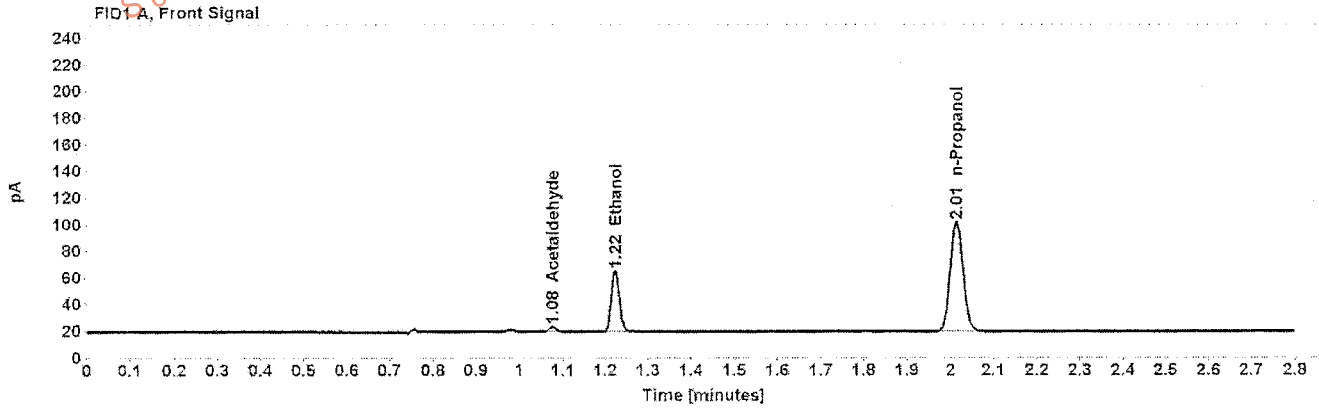


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.162
>Ethanol	0.0971	1.224	60.507
n-Propanol	-----	2.014	169.887

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.432
Ethanol	1.327	62.033
n-Propanol	2.344	174.252

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111431  
Injection date: 9/13/2016 8:18:49 PM Vial: 16  
Method: ethanol quant M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\11>Data\13Sep16\16.D

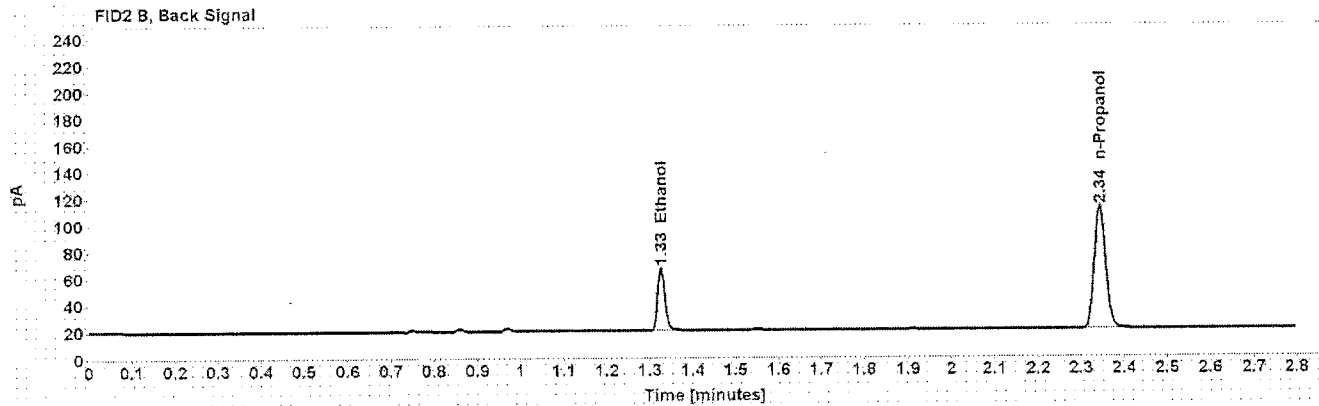
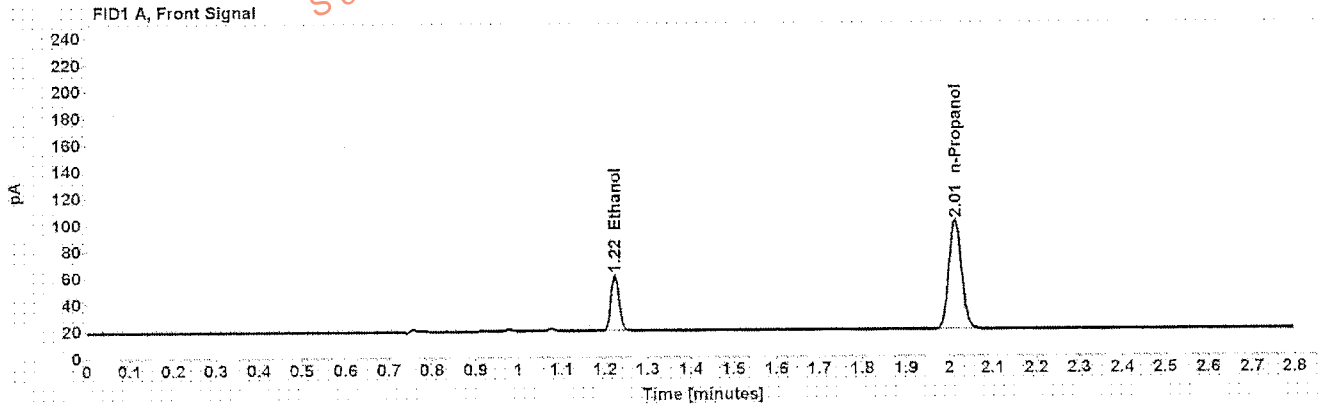


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0893	1.223	55.266
n-Propanol	-----	2.013	168.862

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

Compound	Time (min)	Peak Area
Ethanol	1.326	56.642
n-Propanol	2.344	172.993

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1111431
Injection date: 9/13/2016 8:22:48 PM	Vial: 17
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\13Sep16\17.D	

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
 Scottsdale City Prosecutor

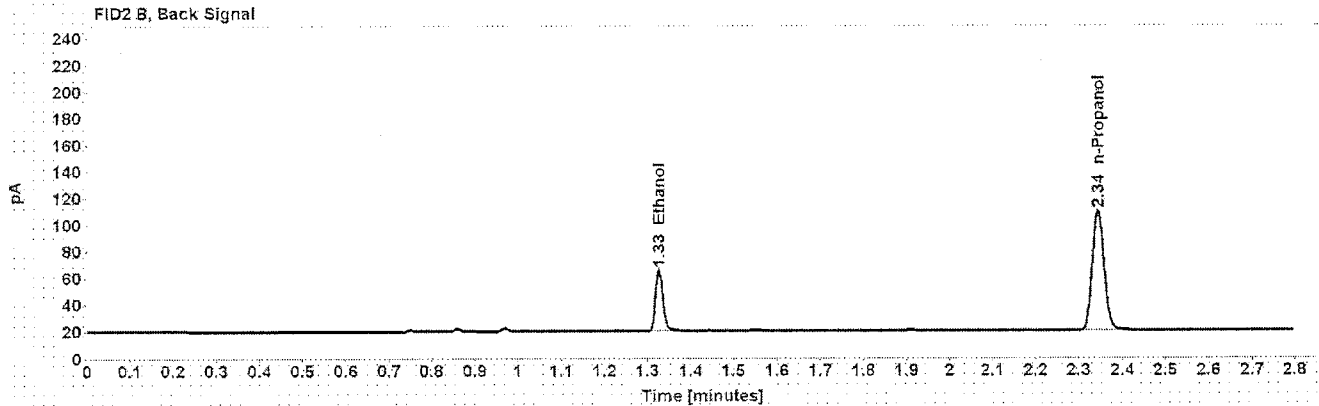
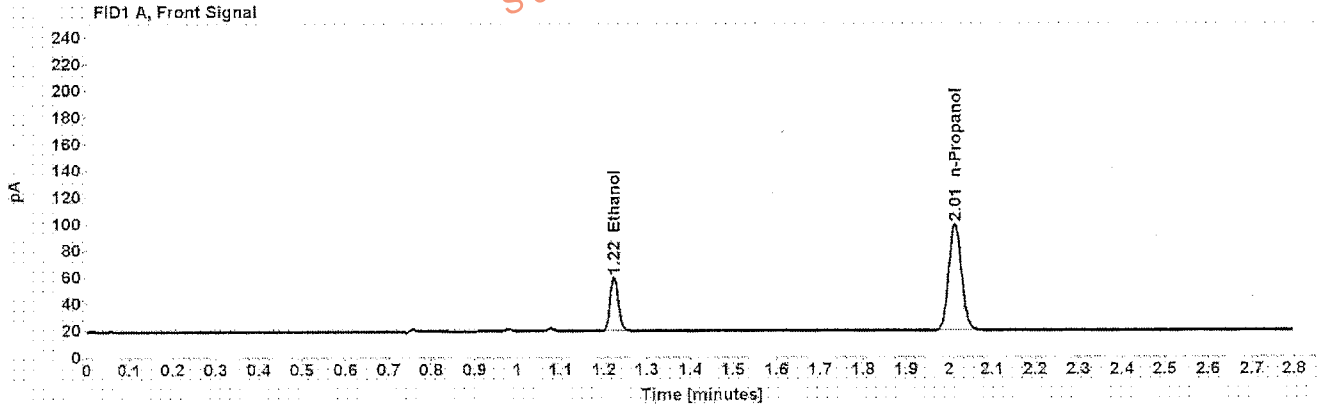


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0889	1.223	53.796
n-Propanol	-----	2.013	165.118

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

Compound	Time (min)	Peak Area
Ethanol	1.326	55.197
n-Propanol	2.344	169.181

Case: [REDACTED] User: alangan 9/14/2016

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1113298
Injection date:	9/13/2016 8:26:48 PM	Vial:	18
Method:	ethanol quant.M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\13Sep16\18.D		

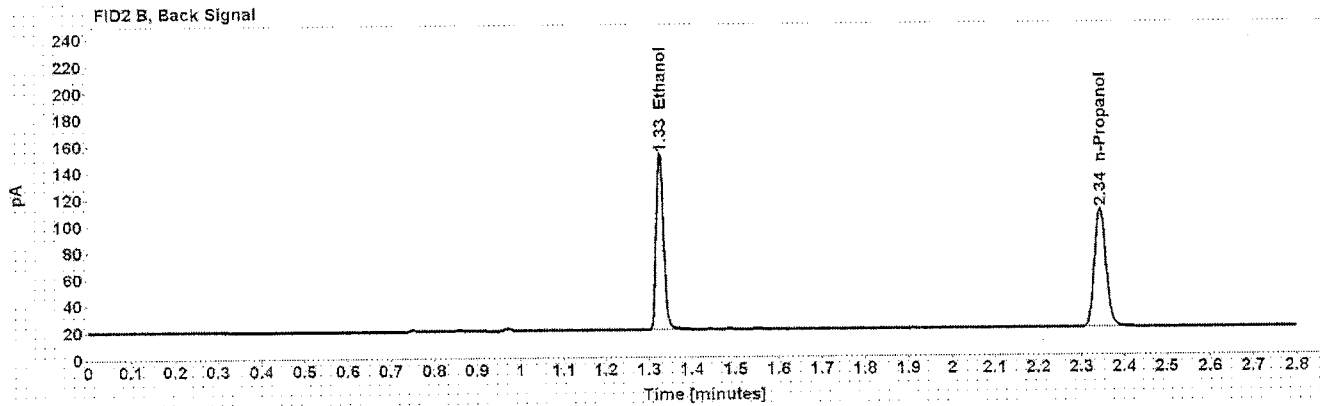
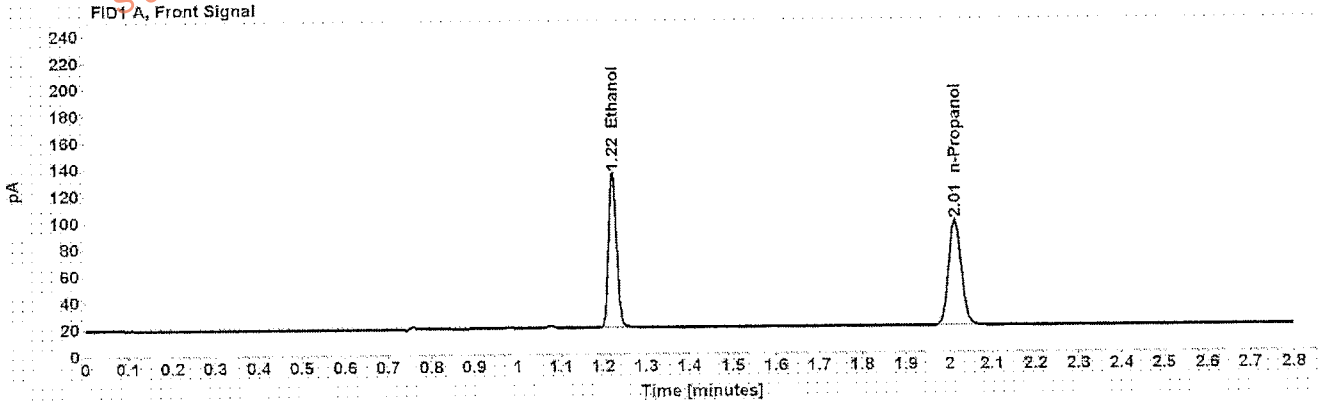


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2559	1.223	153.809
n-Propanol	-----	2.013	162.950

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

Compound	Time (min)	Peak Area
Ethanol	1.325	158.433
n-Propanol	2.344	166.802

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113298  
Injection date: 9/13/2016 8:31:04 PM Vial: 19  
Method: ethanol quant M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\13Sep16\19.D

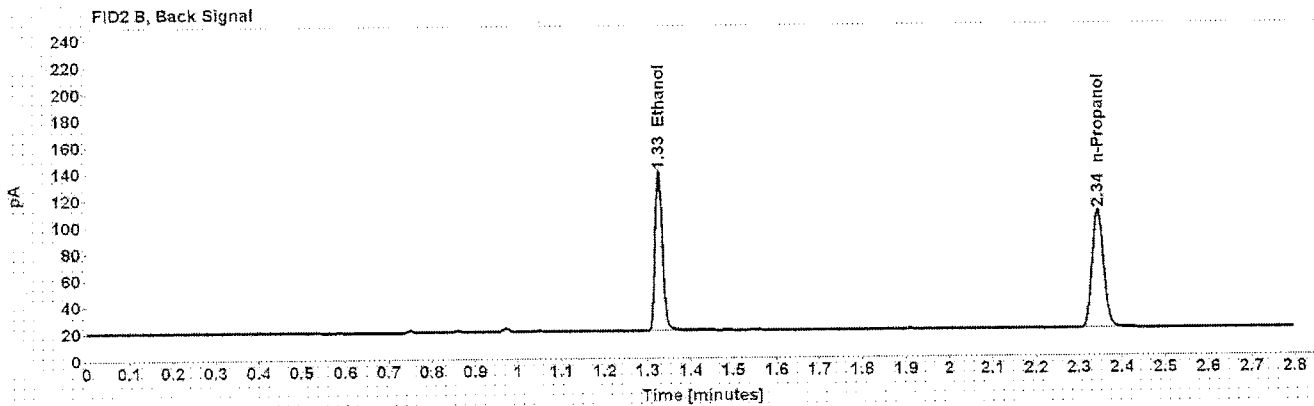
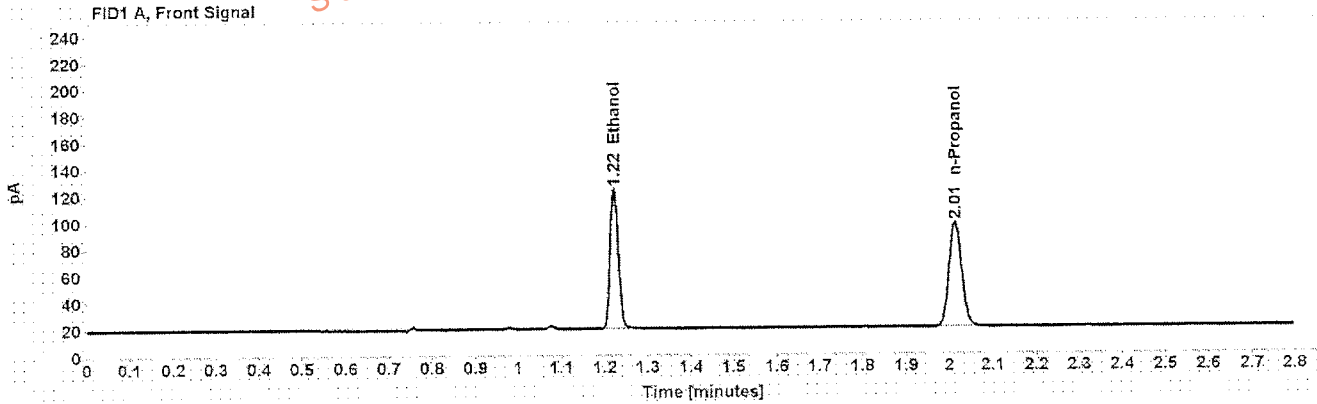


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2329	1.223	139.293
n-Propanol	-----	2.014	162.195

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

Compound	Time (min)	Peak Area
Ethanol	1.326	144.317
n-Propanol	2.344	166.106



Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1110511  
Injection date: 9/13/2016 8:39:04 PM Vial: 21  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\21.D

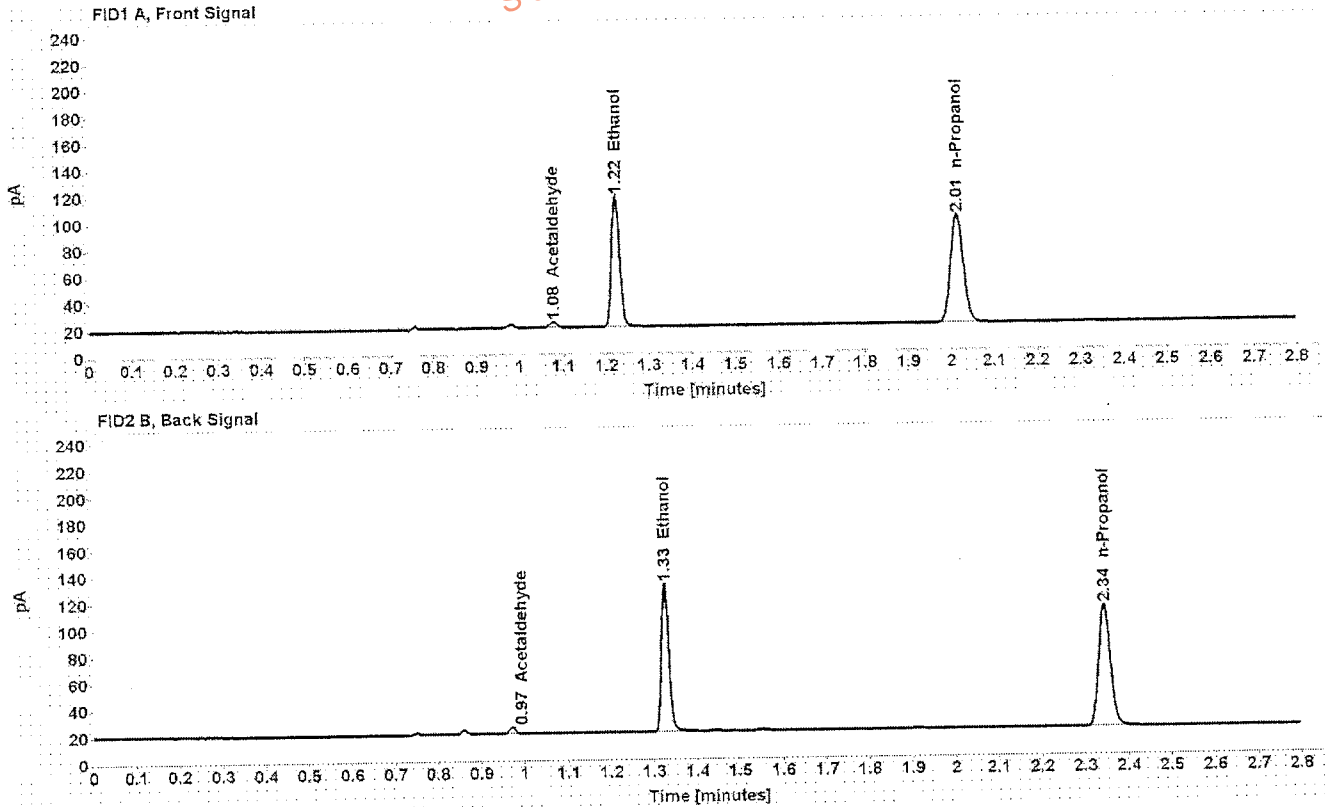


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.515
>Ethanol	0.2107	1.223	130.159
n-Propanol	-----	2.014	167.633

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.806
Ethanol	1.326	134.544
n-Propanol	2.344	171.753

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1110511
Injection date: 9/13/2016 8:43:03 PM	Vial: 22
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CNT4160045	Analyst: Langan
Data file: C:\Chem32\1\Data\13Sep16\22.D	

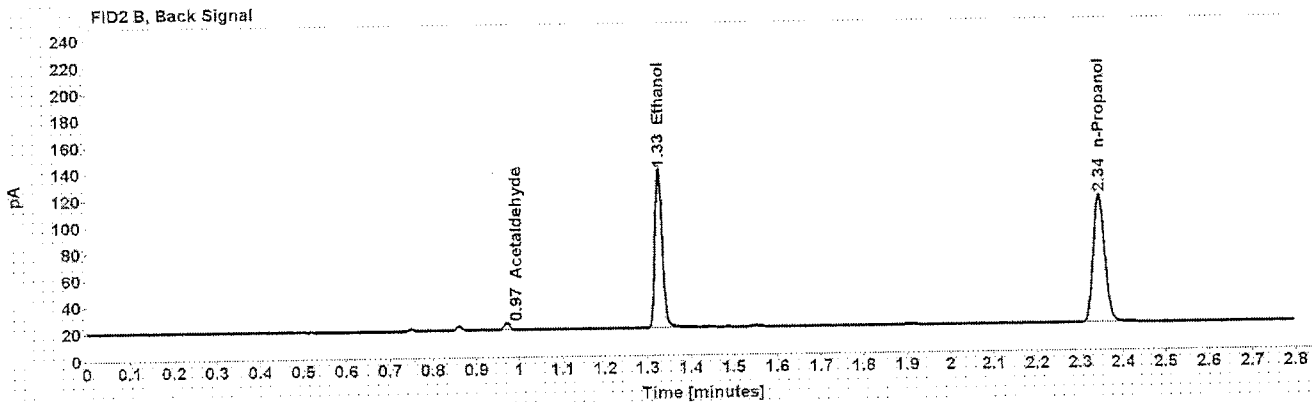
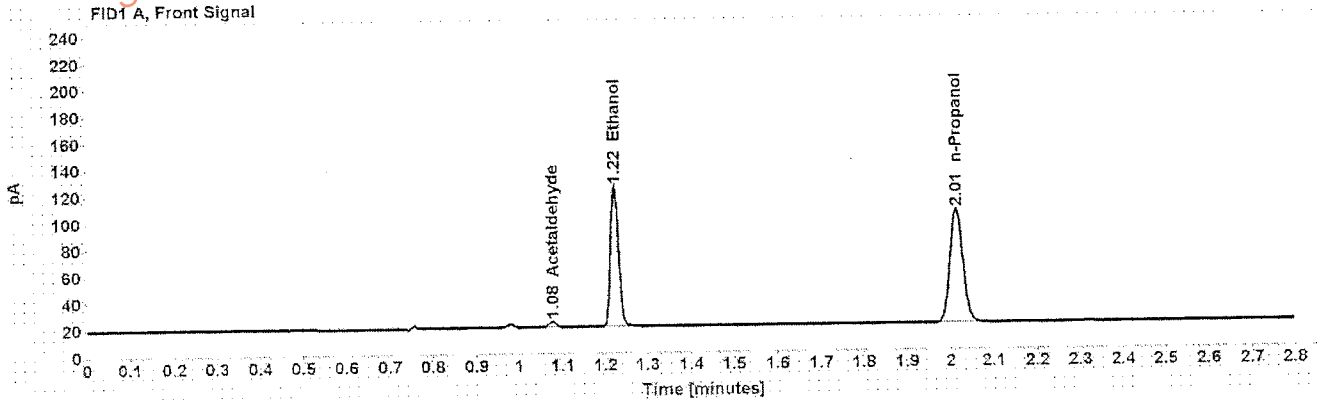


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.652
>Ethanol	0.2133	1.223	138.260
n-Propanol	-----	2.014	175.861

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.929
Ethanol	1.326	143.129
n-Propanol	2.345	180.243

Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111226  
Injection date: 9/13/2016 8:47:04 PM Vial: 23  
Method: ethanol quant M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\13Sep16\23.D

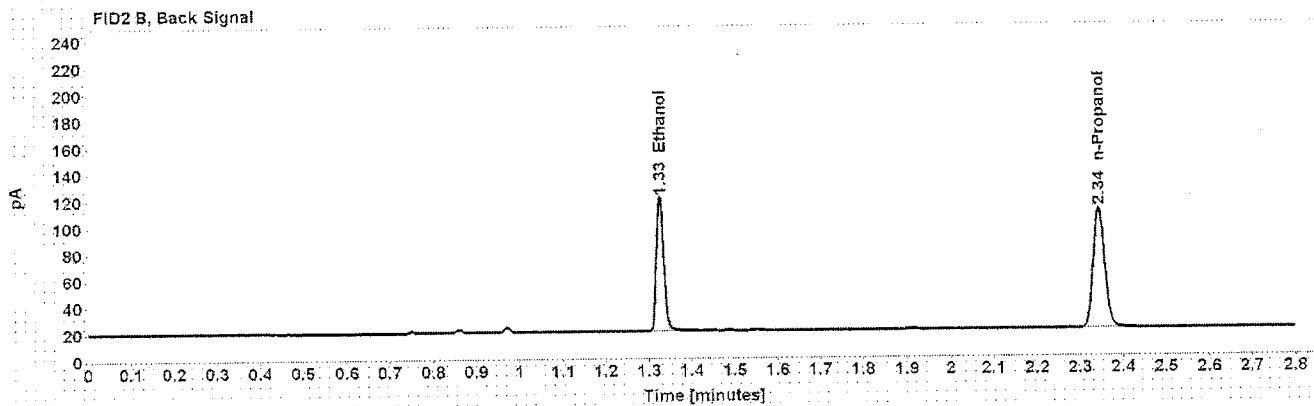
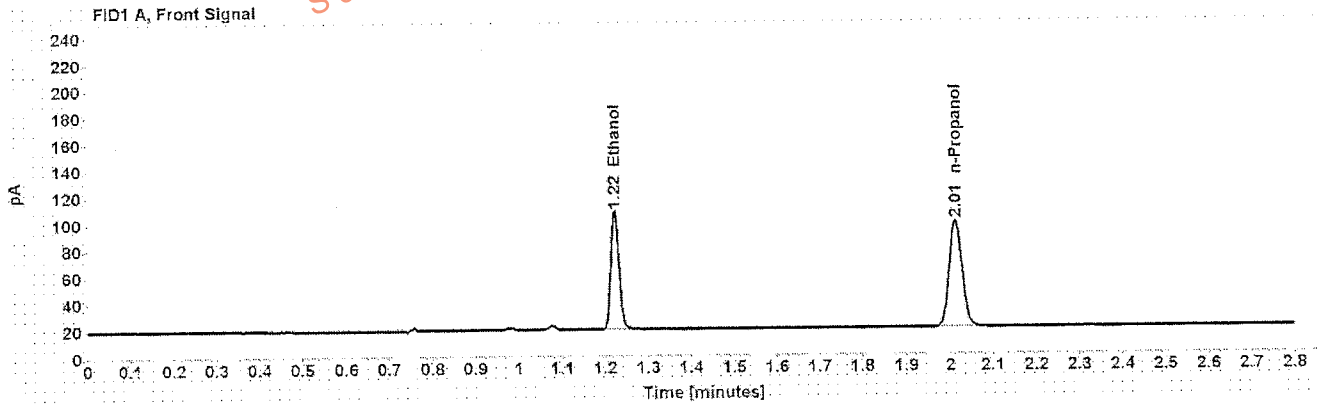


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1930	1.223	117.329
n-Propanol	-----	2.014	164.990

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

Compound	Time (min)	Peak Area
Ethanol	1.326	120.502
n-Propanol	2.344	169.134

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1111226
Injection date: 9/13/2016 8:51:03 PM	Vial: 24
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\13Sep16\24.D	

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

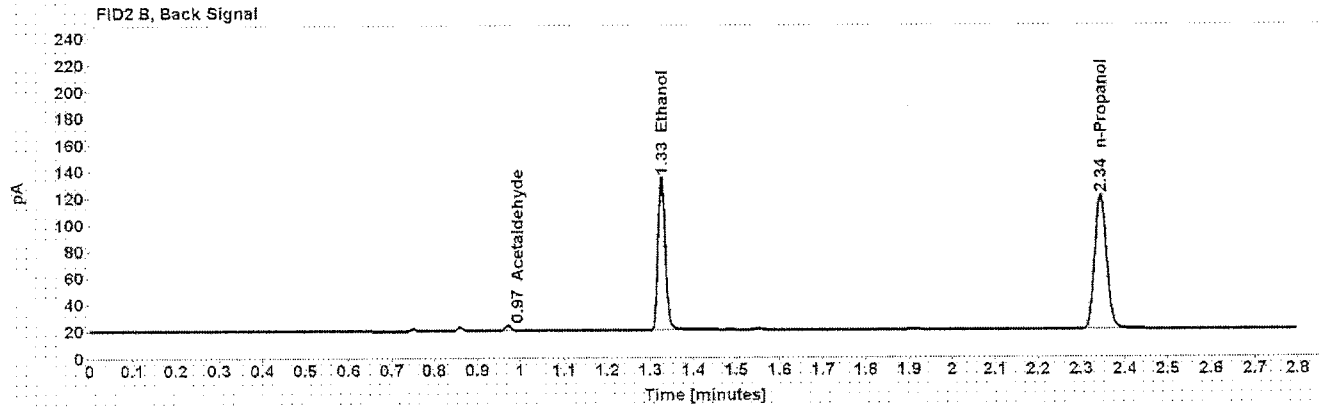
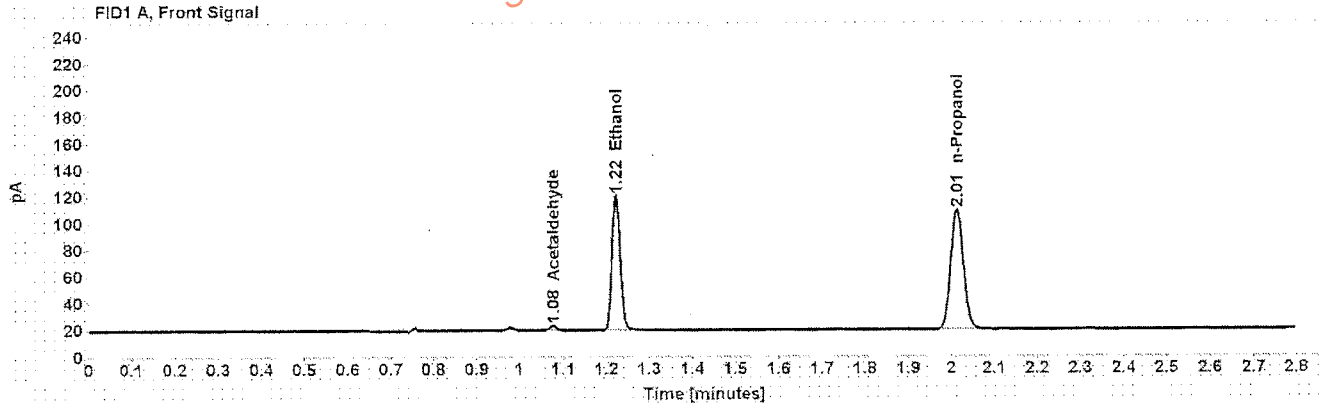


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.752
>Ethanol	0.1963	1.223	133.653
n-Propanol	-----	2.013	184.734

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.966
Ethanol	1.326	138.342
n-Propanol	2.344	189.697

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111060  
Injection date: 9/13/2016 8:55:19 PM Vial: 25  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023\CN14160045 Analyst: Langan  
Data file: C:\Chem321\1\Data\13Sep16\25.D

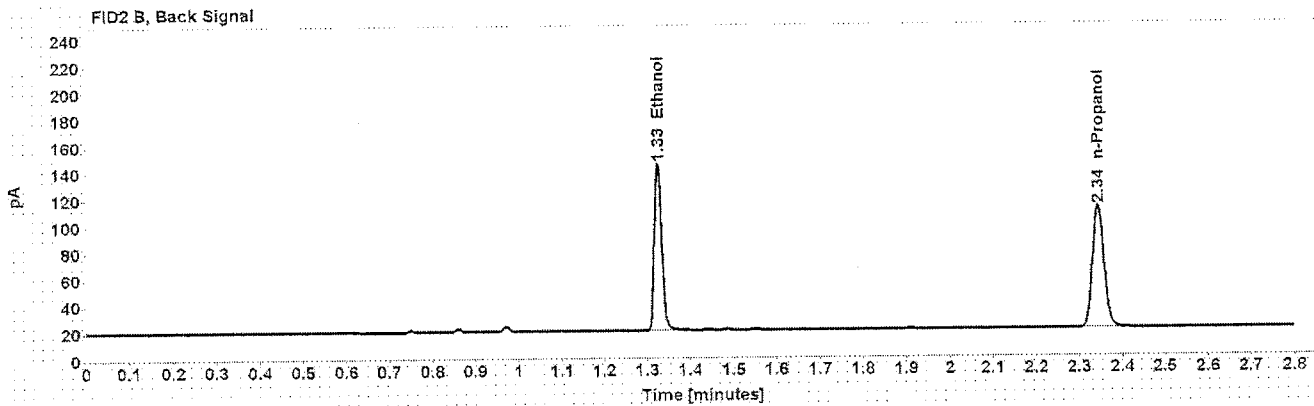
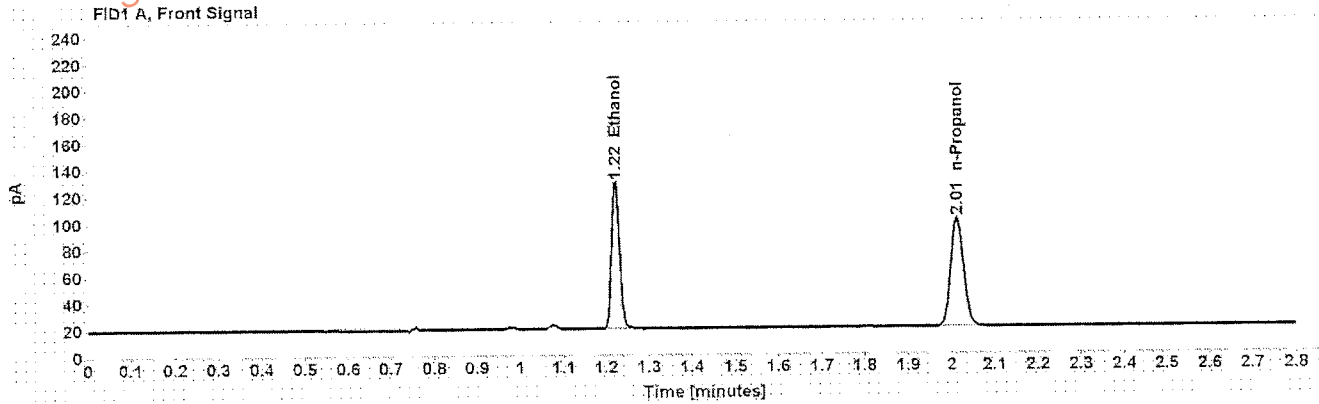


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2359	1.223	145.837
n-Propanol	-----	2.013	167.670

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

Compound	Time (min)	Peak Area
Ethanol	1.325	151.004
n-Propanol	2.344	172.006

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1111060
Injection date:	9/13/2016 8:59:18 PM	Vial:	26
Method:	ethanol quant M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\13Sep16\26.D		

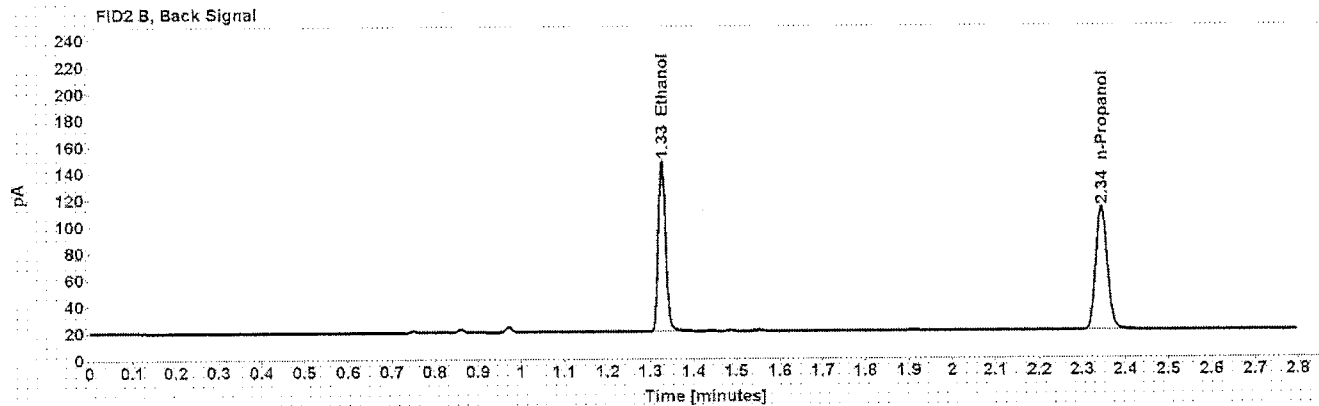
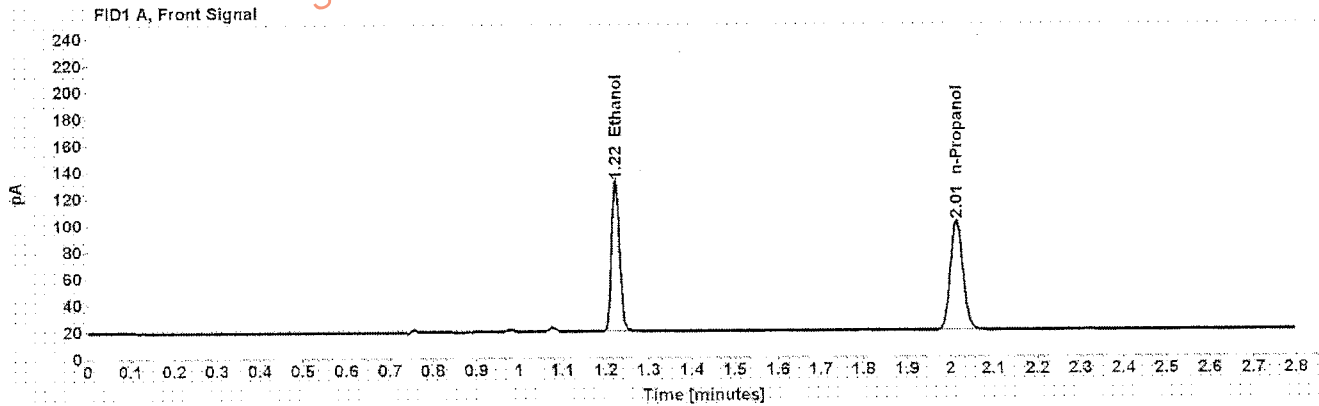


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2387	1.223	148.688
n-Propanol	---	2.014	168.887

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

Compound	Time (min)	Peak Area
Ethanol	1.326	154.064
n-Propanol	2.345	173.148

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1110762
<b>Injection date:</b> 9/13/2016 9:07:18 PM	<b>Vial:</b> 28
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan
<b>Data file:</b> C:\Chem321\1\Data\13Sep16\28.D	

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

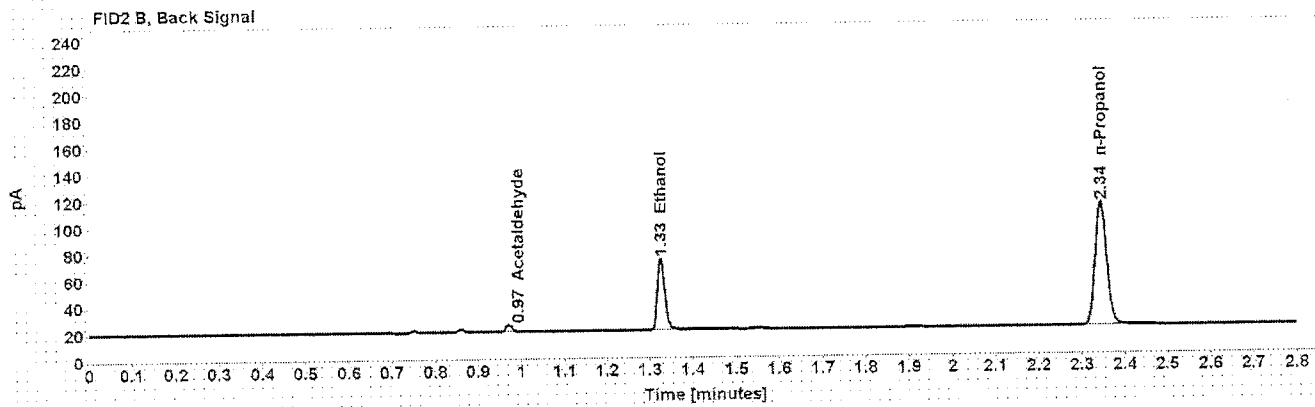
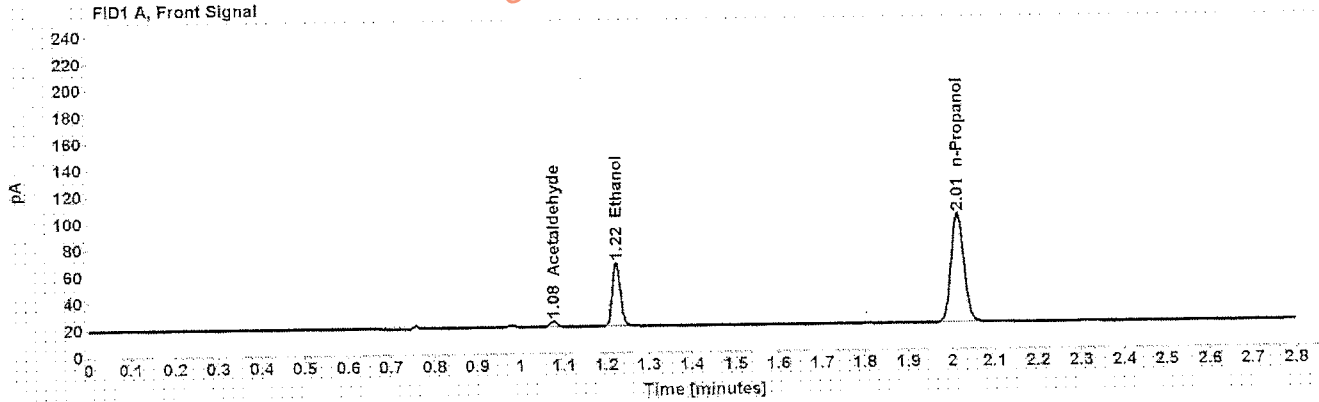


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.555
>Ethanol	0.1016	1.224	62.931
n-Propanol	-----	2.014	168.781

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.887
Ethanol	1.327	64.550
n-Propanol	2.345	173.129

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111434  
Injection date: 9/13/2016 9:11:19 PM Vial: 29  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\29.D

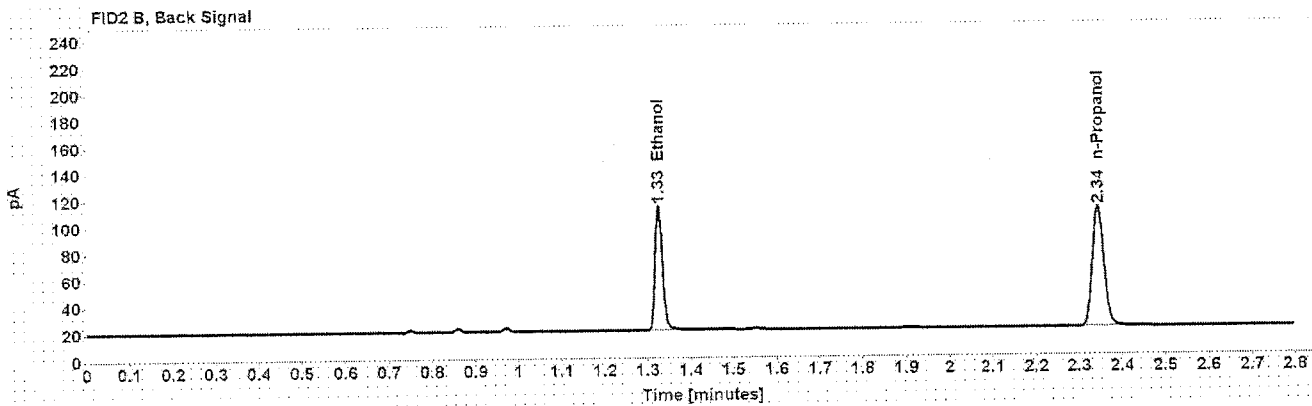
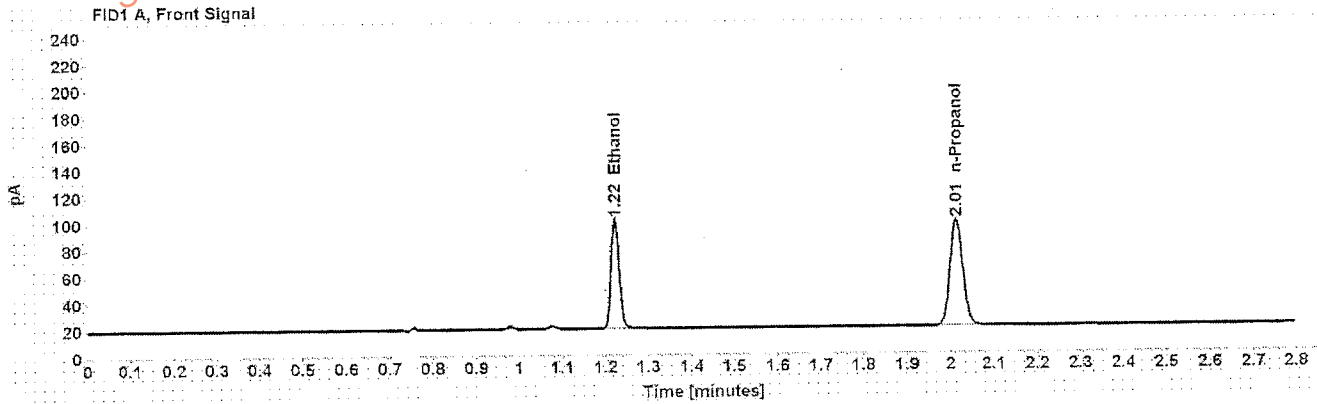


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1801	1.223	109.208
n-Propanol	-----	2.014	164.662

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

Compound	Time (min)	Peak Area
Ethanol	1.326	112.189
n-Propanol	2.344	168.957



Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1110762
Injection date:	9/13/2016 9:03:18 PM	Vial:	27
Method:	ethanol quant.M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\13Sep16\27.D		

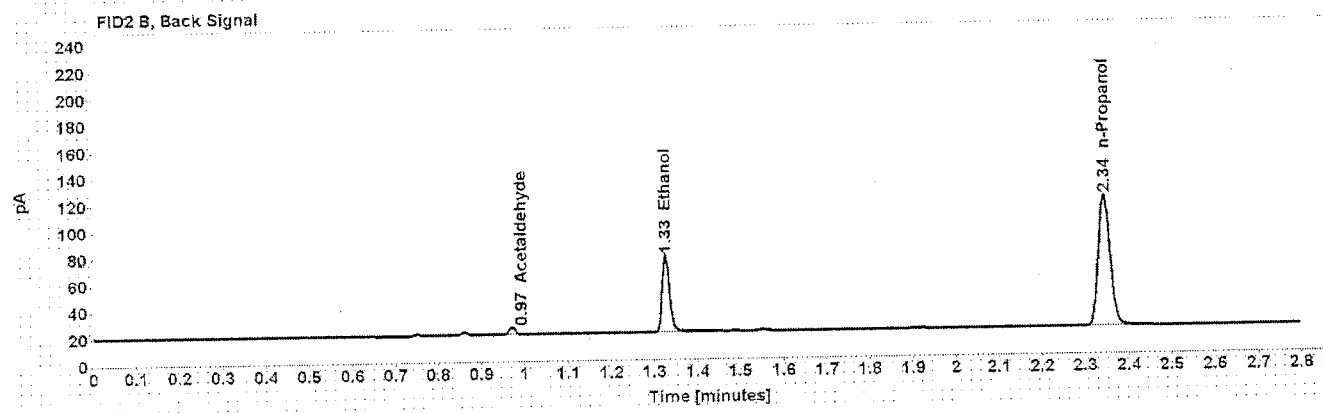
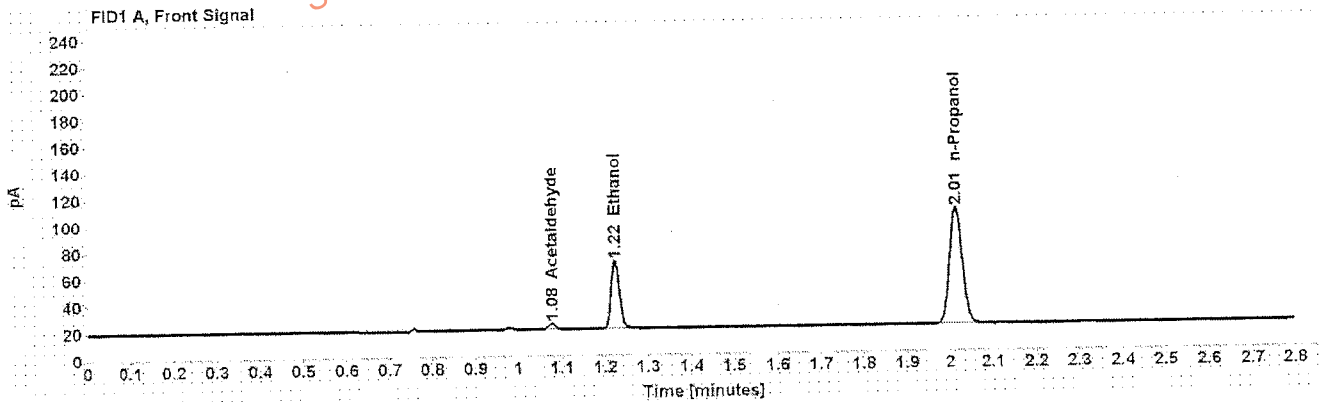


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.782
>Ethanol	0.1026	1.224	67.442
n-Propanol	-----	2.014	179.106

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.054
Ethanol	1.327	68.997
n-Propanol	2.345	183.825

Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111434  
Injection date: 9/13/2016 9:15:19 PM Vial: 30  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\30.D

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

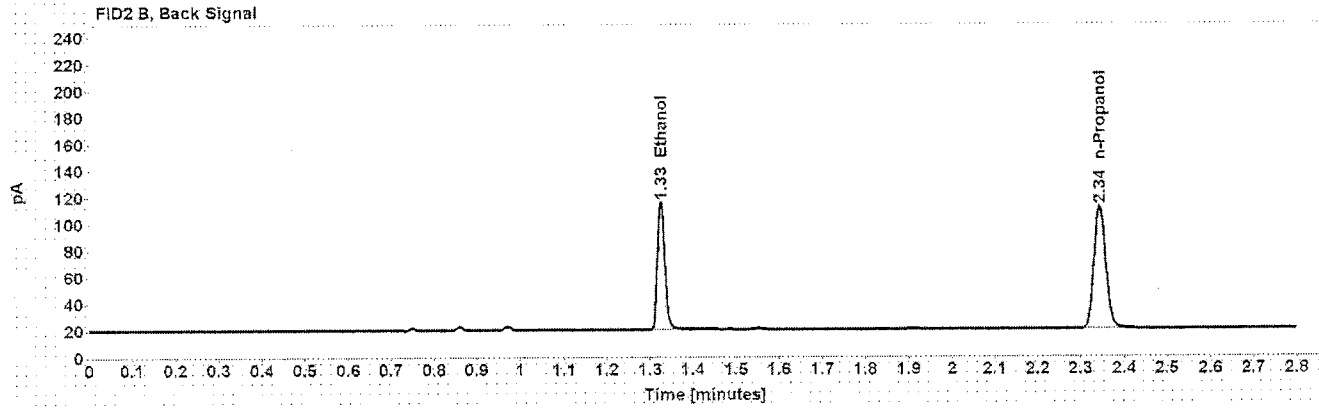
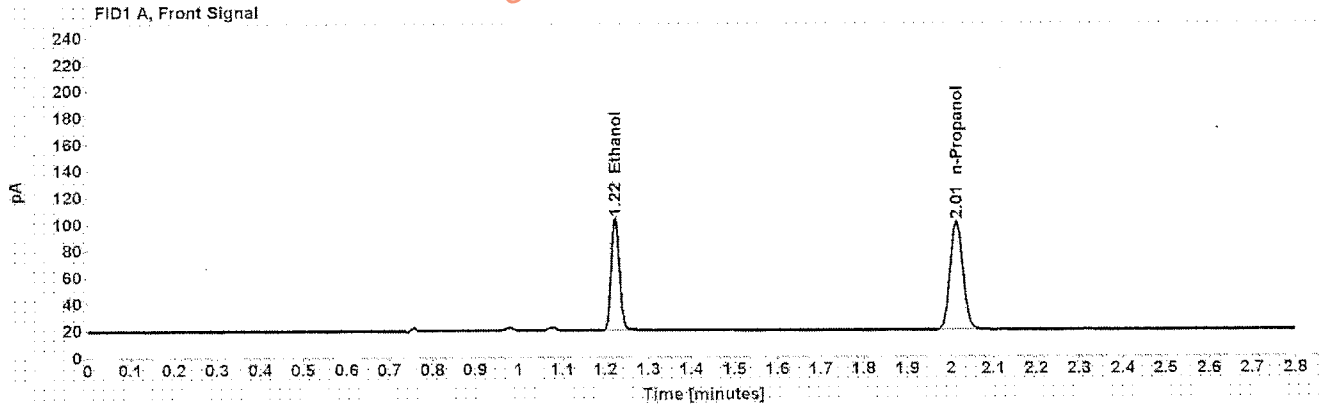


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1803	1.223	111.715
n-Propanol	-----	2.013	168.191

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

Compound	Time (min)	Peak Area
Ethanol	1.326	114.669
n-Propanol	2.344	172.470

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1108979  
Injection date: 9/13/2016 9:23:33 PM Vial: 32  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\32.D

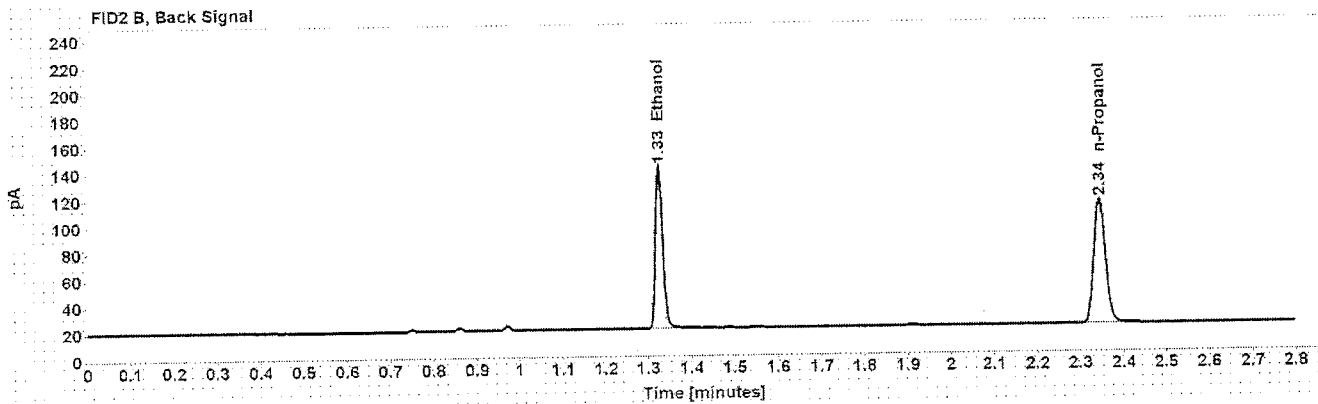
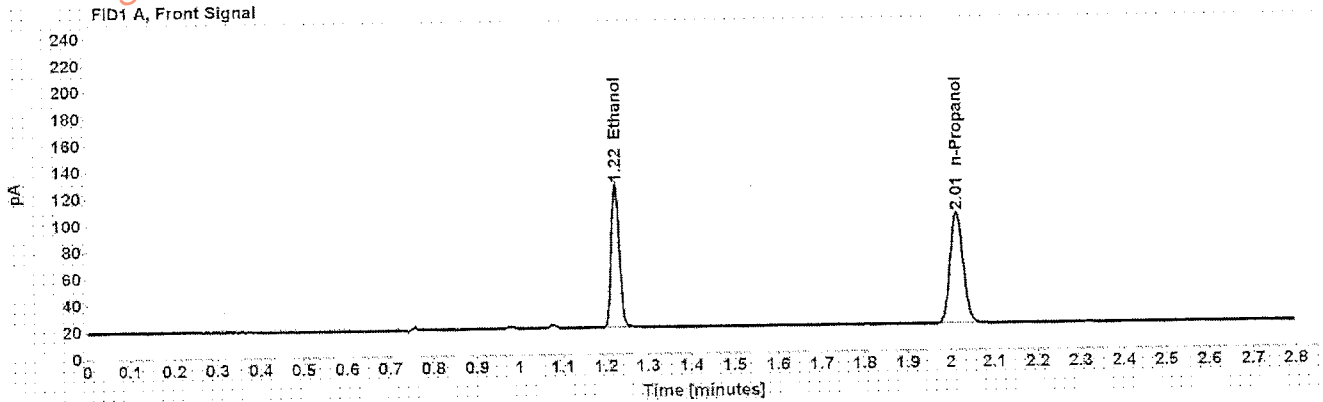


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2255	1.223	142.189
n-Propanol	-----	2.014	171.015

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

Compound	Time (min)	Peak Area
Ethanol	1.326	147.058
n-Propanol	2.344	175.399

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1108979
Injection date:	9/13/2016 9:27:33 PM	Vial:	33
Method:	ethanol quant.M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\13Sep16\33.D		

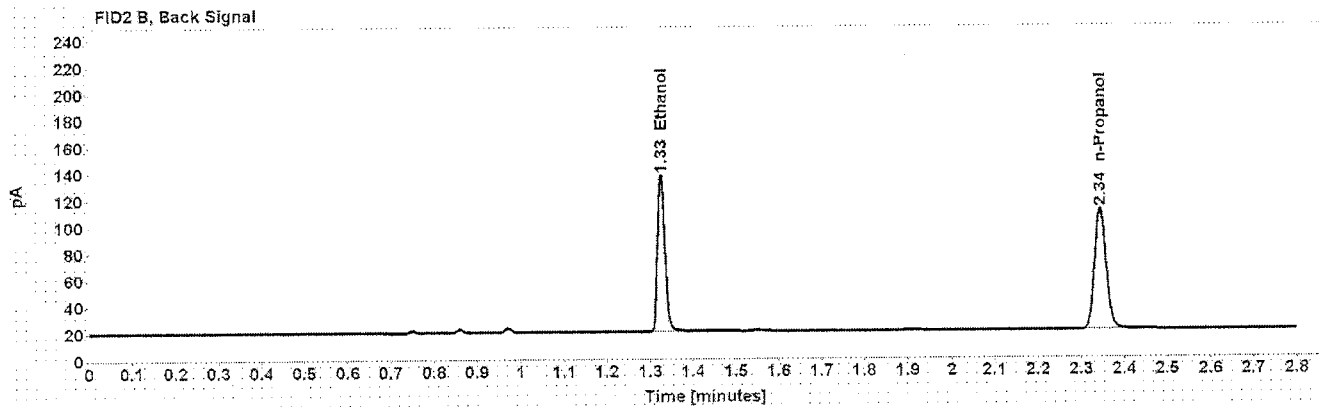
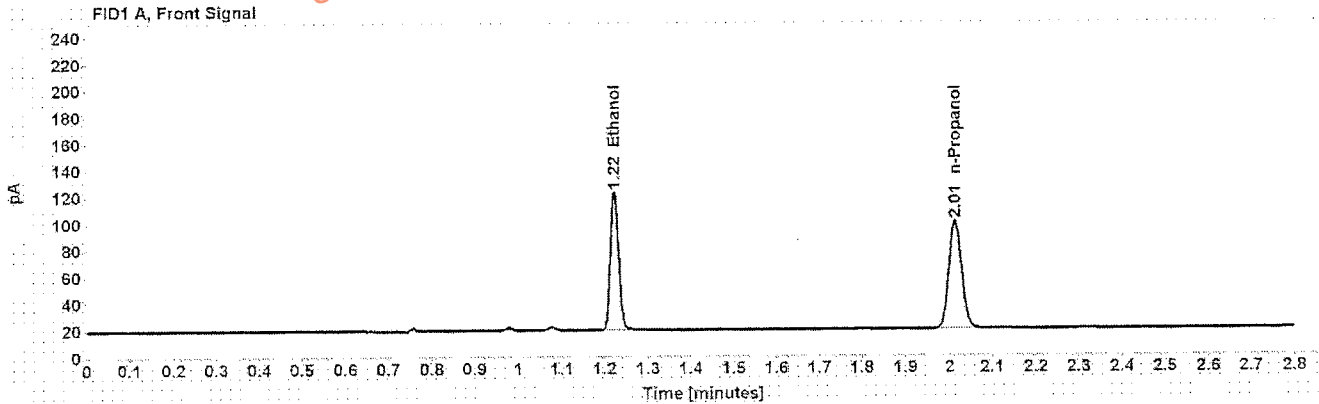


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2235	1.223	136.857
n-Propanol	-----	2.014	166.071

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

Compound	Time (min)	Peak Area
Ethanol	1.326	141.619
n-Propanol	2.344	170.434

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 267-01A  
Injection date: 9/13/2016 9:31:34 PM Vial: 34  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\34.D

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized persons is PROHIBITED.  
Scottsdale City Prosecutor

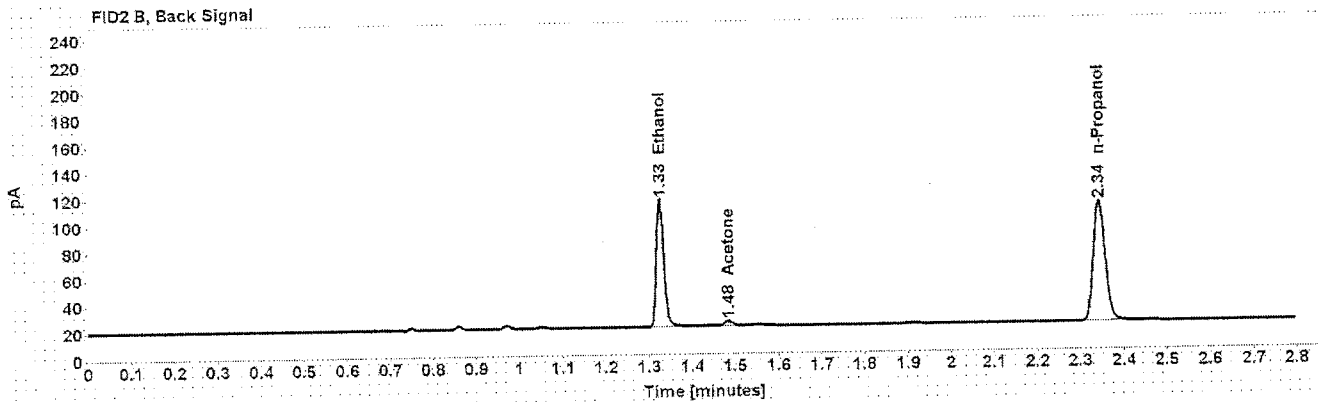
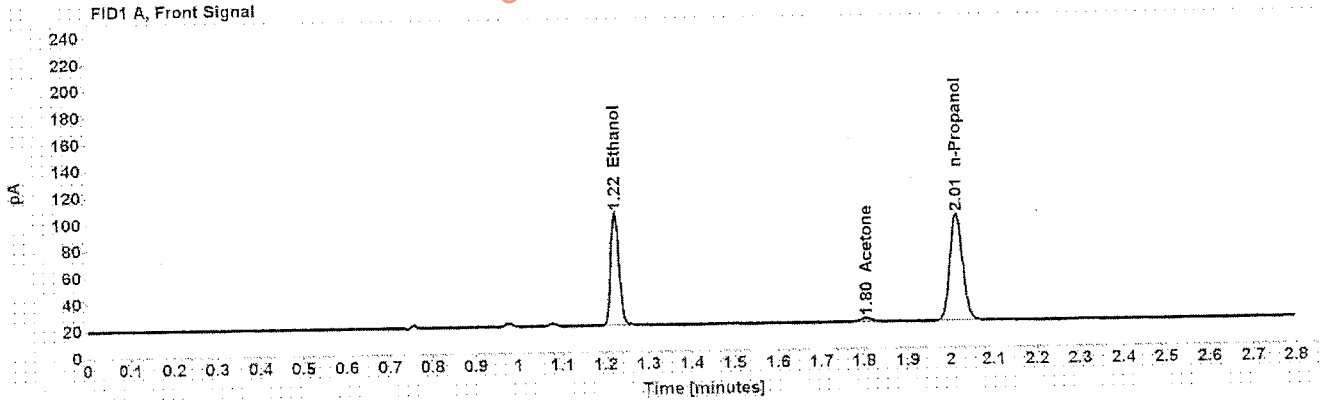


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1842	1.223	112.203
Acetone	-----	1.805	4.795
n-Propanol	-----	2.014	165.324

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

Compound	Time (min)	Peak Area
Ethanol	1.326	116.343
Acetone	1.484	5.052
n-Propanol	2.344	169.904

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 267-01A  
Injection date: 9/13/2016 9:35:34 PM Vial: 35  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\35.D

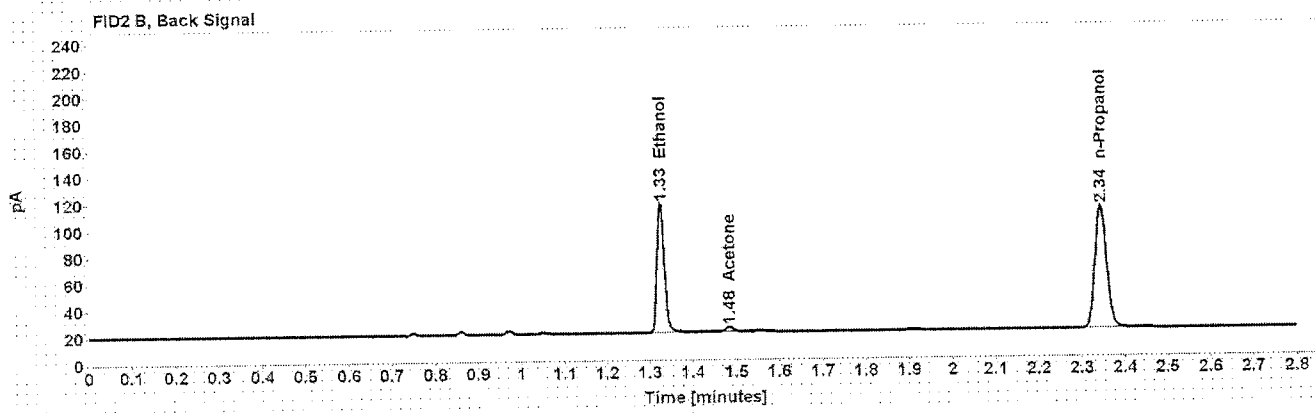
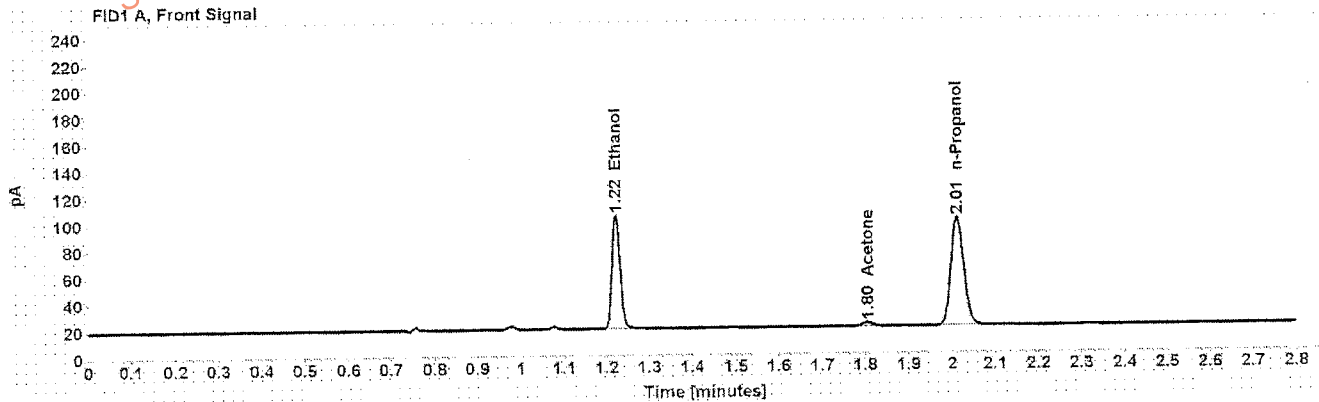


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1828	1.223	112.907
Acetone	-----	1.805	4.840
n-Propanol	-----	2.014	167.699

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

Compound	Time (min)	Peak Area
Ethanol	1.326	116.495
Acetone	1.484	4.693
n-Propanol	2.344	172.197

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 267-01A  
Injection date: 9/13/2016 9:39:33 PM Vial: 36  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\13Sep16\36.D

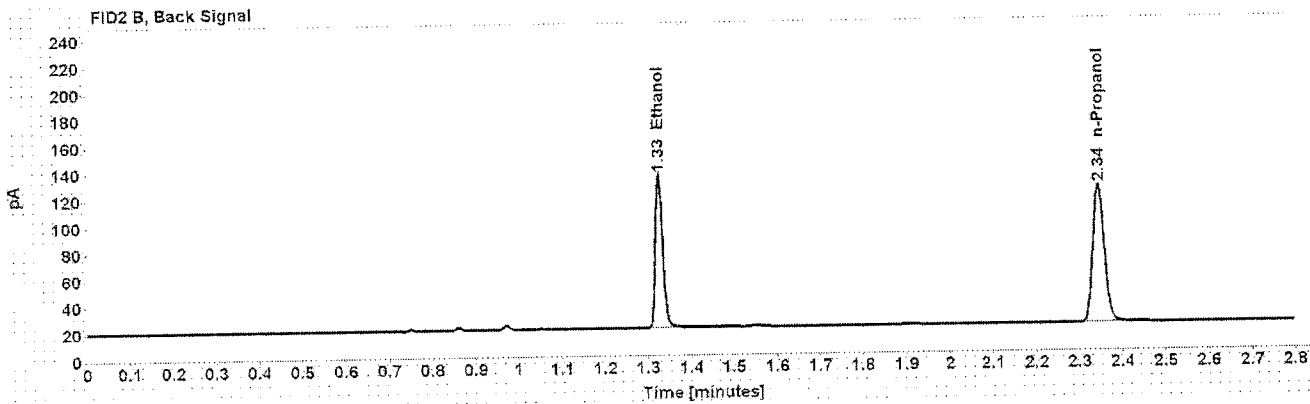
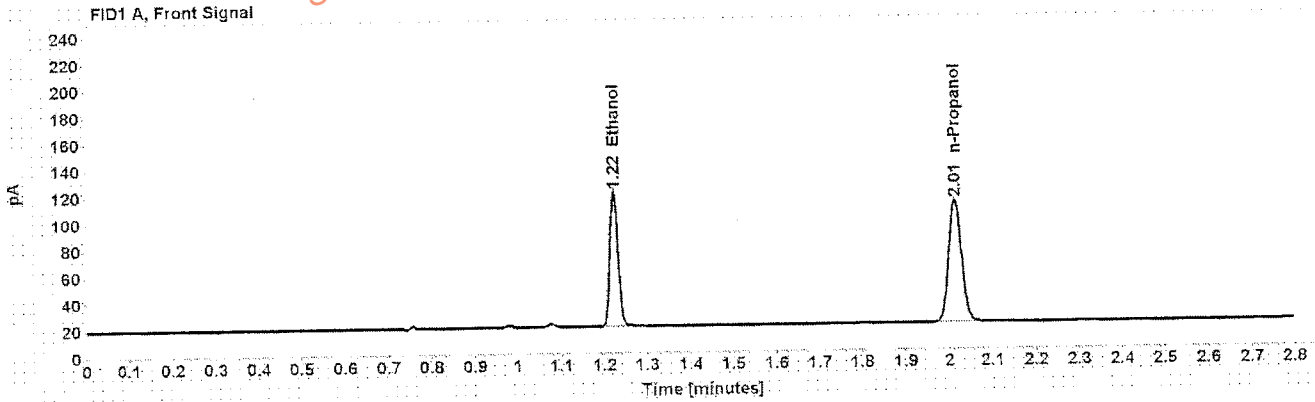


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1917	1.223	133.329
n-Propanol	-----	2.014	188.749

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

Compound	Time (min)	Peak Area
Ethanol	1.326	137.534
n-Propanol	2.345	194.288

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 267-01A  
Injection date: 9/13/2016 9:43:49 PM Vial: 37  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\37.D

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

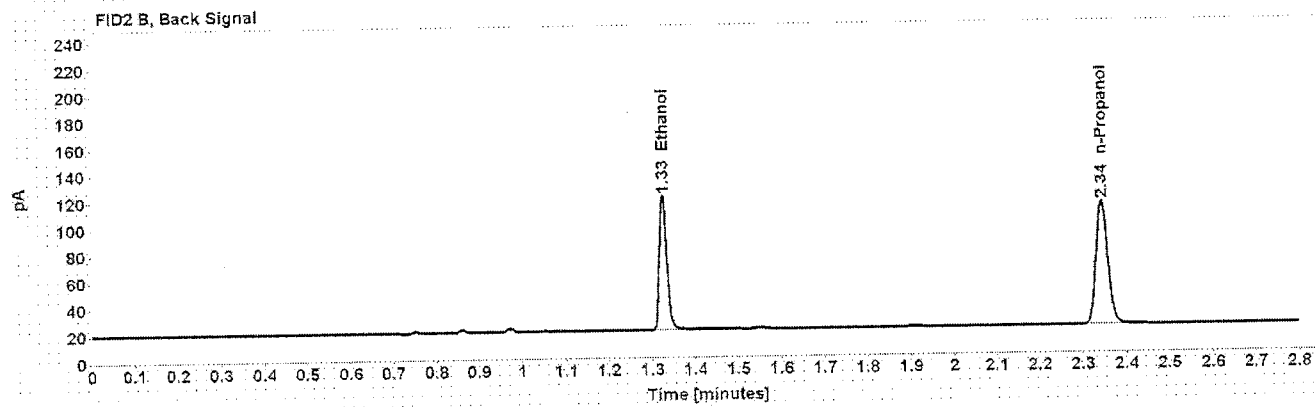
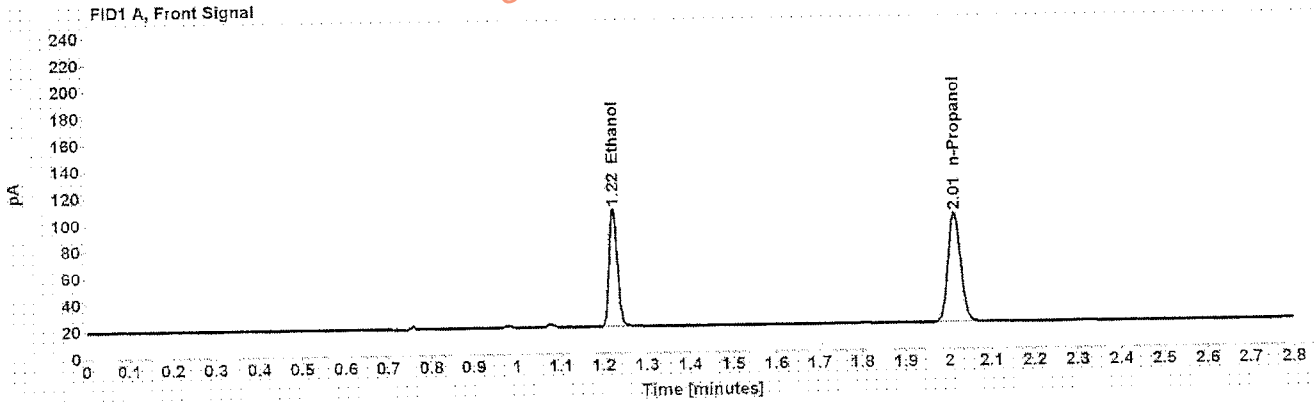


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1878	1.223	117.238
n-Propanol	-----	2.014	169.480

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

Compound	Time (min)	Peak Area
Ethanol	1.326	121.787
n-Propanol	2.344	174.458



Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 982866  
Injection date: 9/13/2016 9:47:49 PM Vial: 38  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\13Sep16\38.D

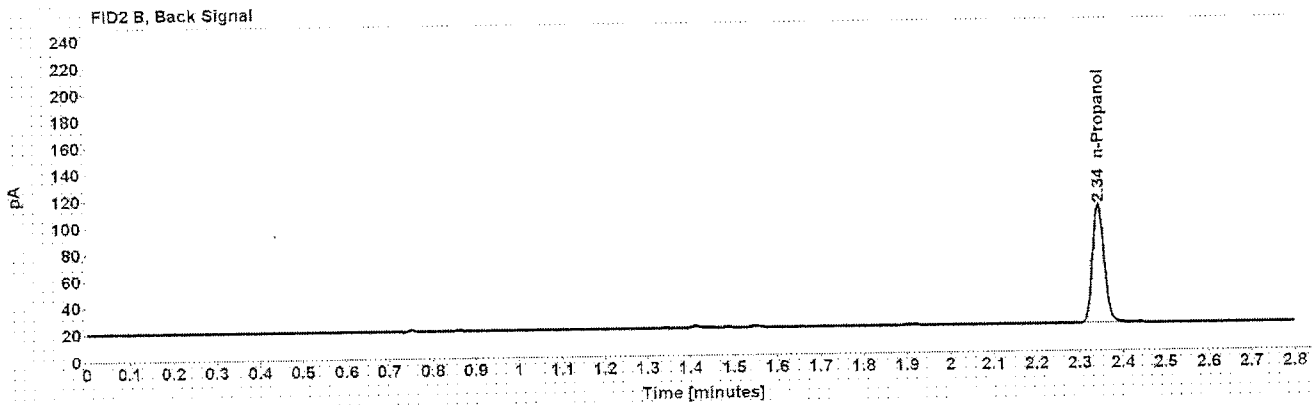
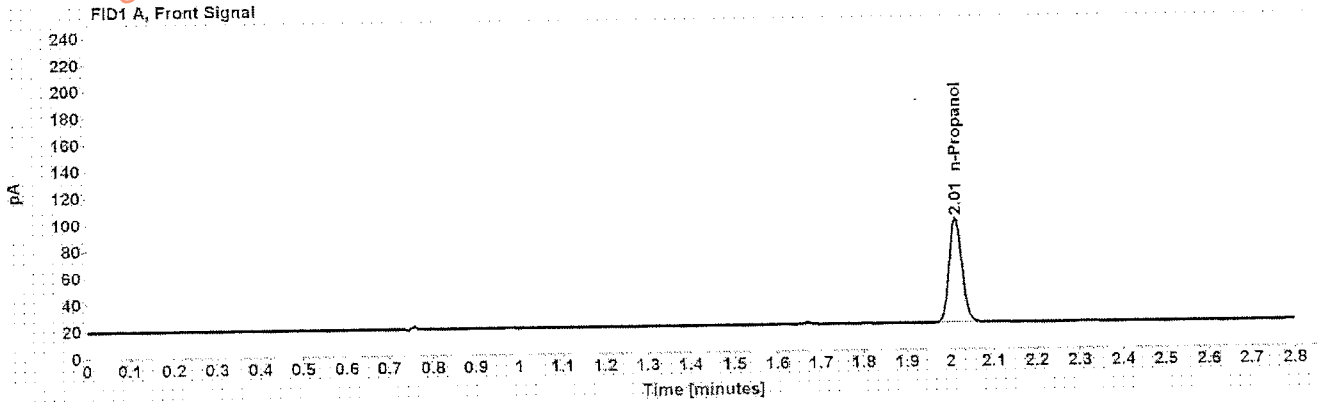


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	162.109

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

Compound	Time (min)	Peak Area
n-Propanol	2.343	166.861

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	982866
Injection date:	9/13/2016 9:51:49 PM	Vial:	39
Method:	ethanol quant.M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\13Sep16\39.D		

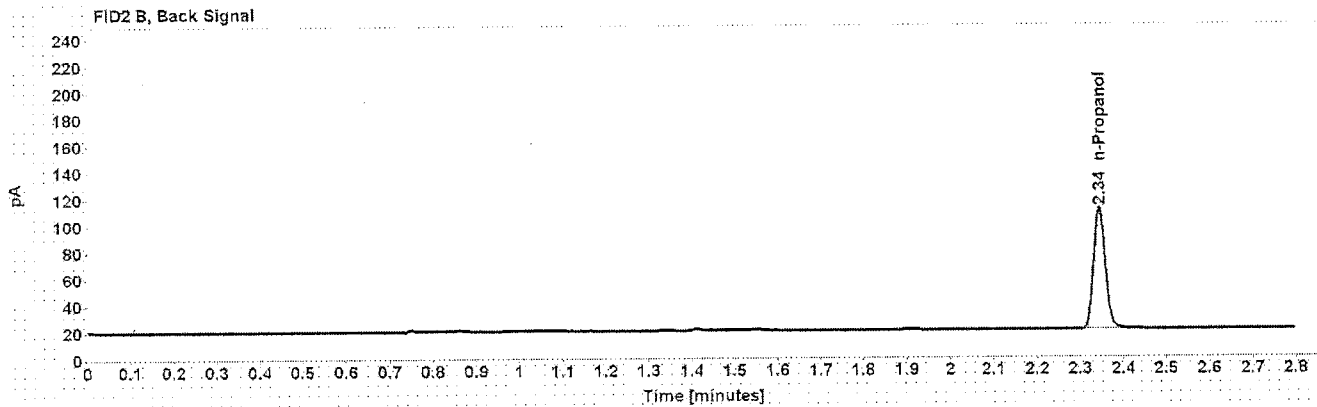
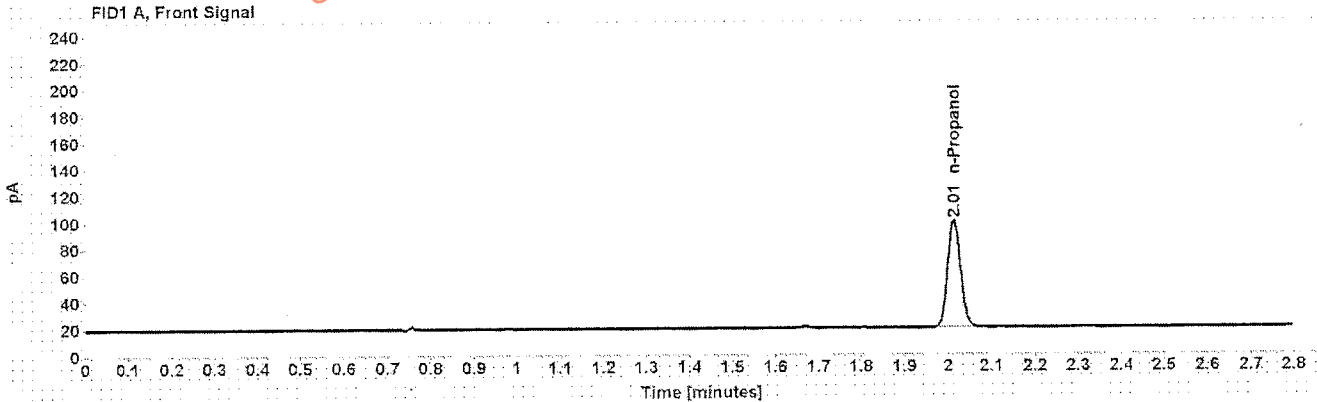


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	165.852

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

Compound	Time (min)	Peak Area
n-Propanol	2.344	170.935

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1068976  
Injection date: 9/13/2016 9:55:48 PM Vial: 40  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\40.D

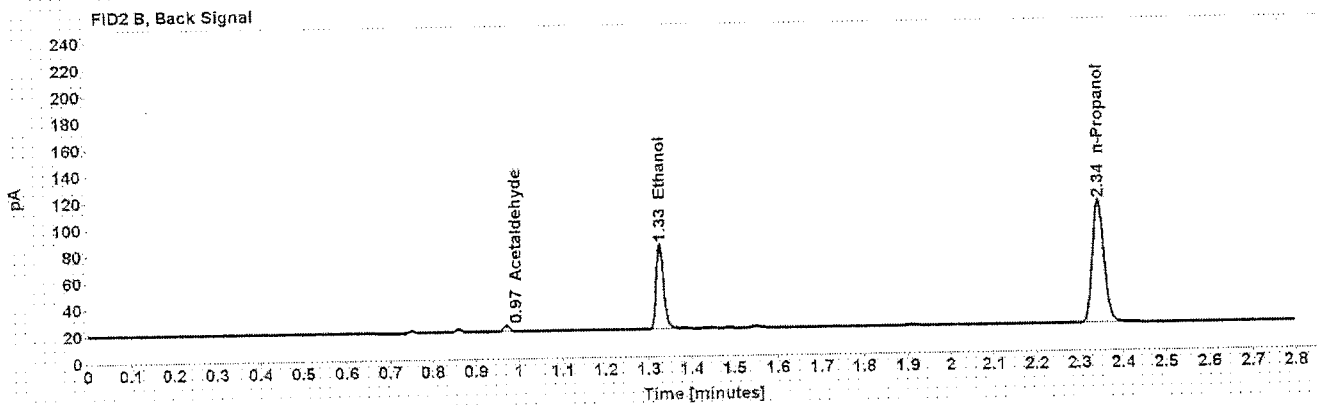
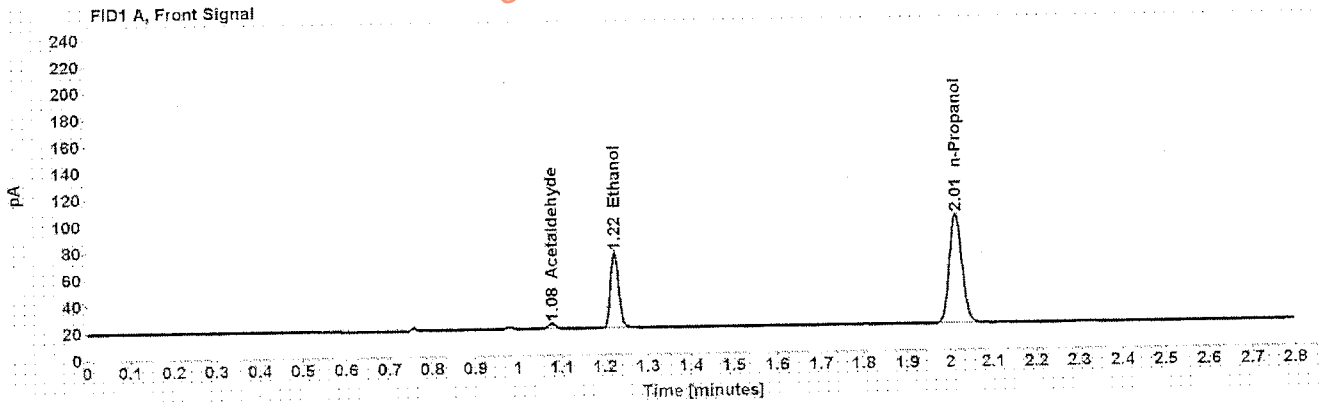


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.287
>Ethanol	0.1206	1.223	74.626
n-Propanol	-----	2.014	168.418

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.562
Ethanol	1.326	76.802
n-Propanol	2.344	173.566

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1068976  
Injection date: 9/13/2016 9:59:49 PM Vial: 41  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\41.D

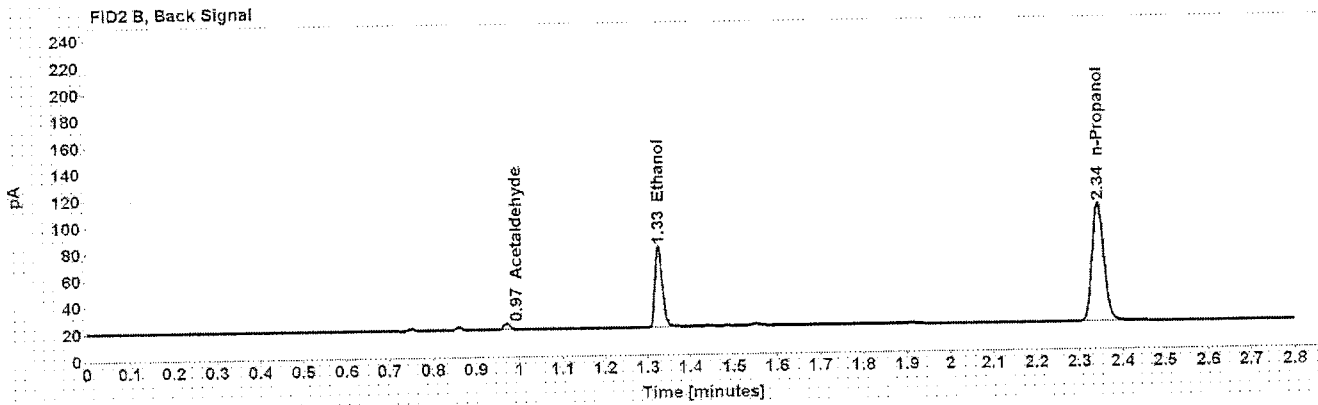
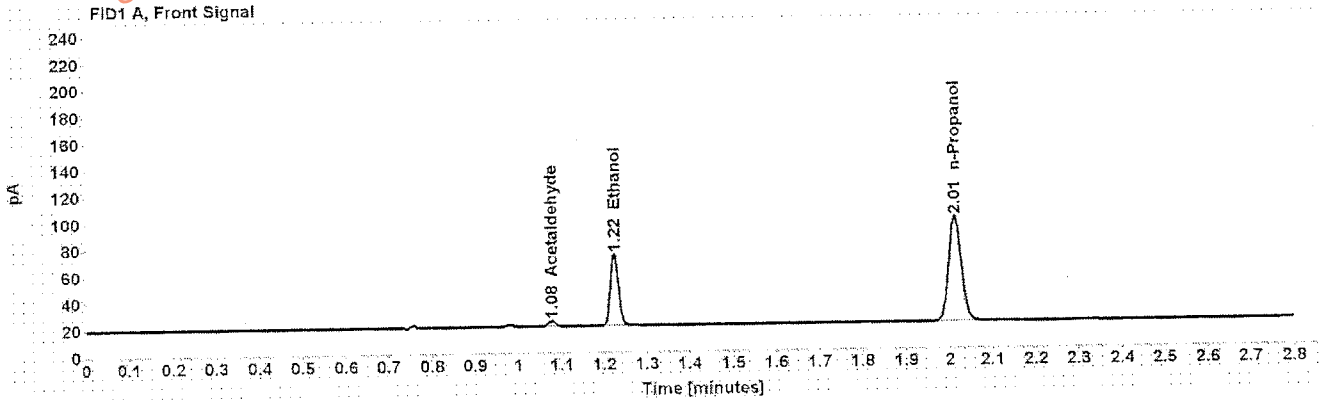


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.320
>Ethanol	0.1191	1.223	71.067
n-Propanol	-----	2.014	162.446

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	4.636
Ethanol	1.326	73.110
n-Propanol	2.344	167.235

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113459  
Injection date: 9/13/2016 10:08:04 PM Vial: 43  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\13Sep16\43.D

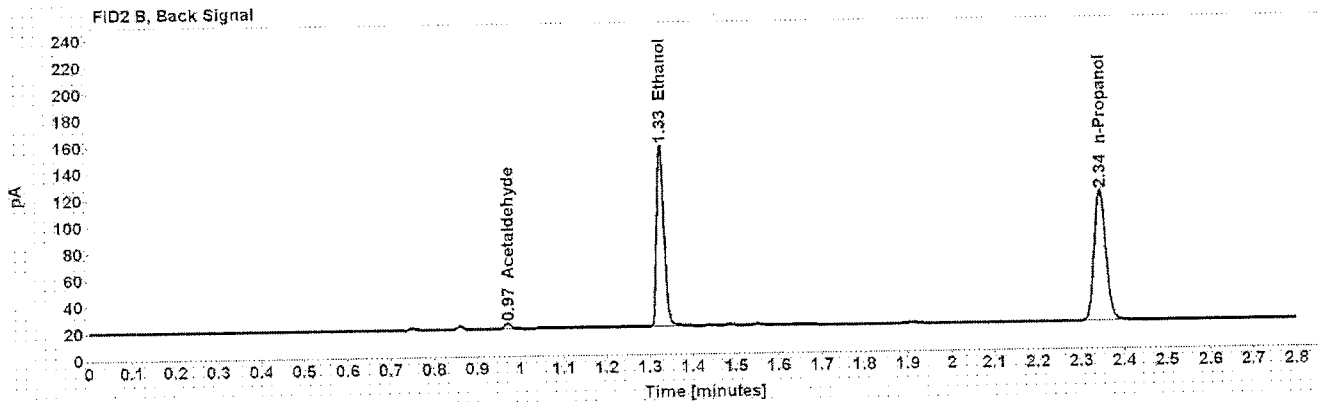
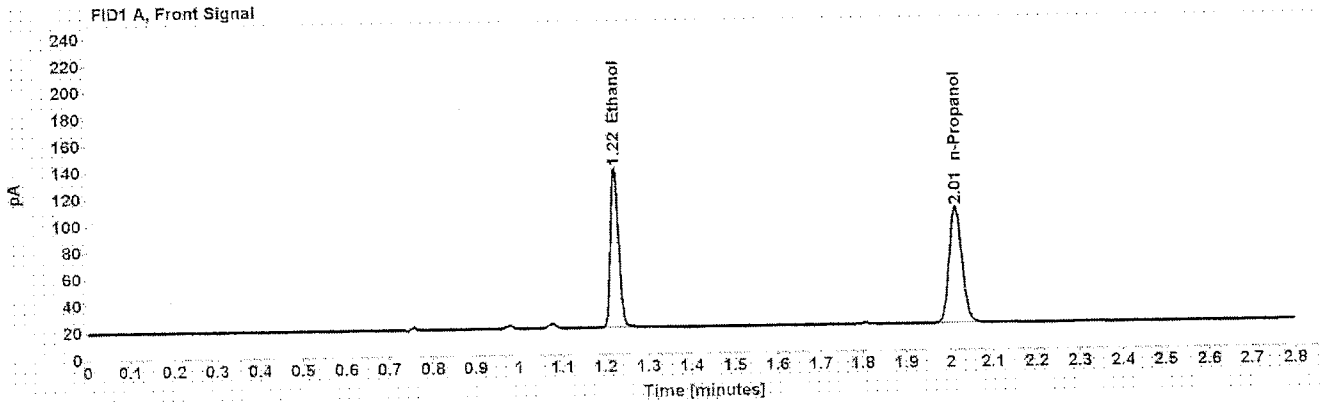


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2388	1.223	157.877
n-Propanol	-----	2.014	179.252

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.979
Ethanol	1.326	163.985
n-Propanol	2.344	184.732

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113459  
Injection date: 9/13/2016 10:12:03 PM Vial: 44  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\44.D

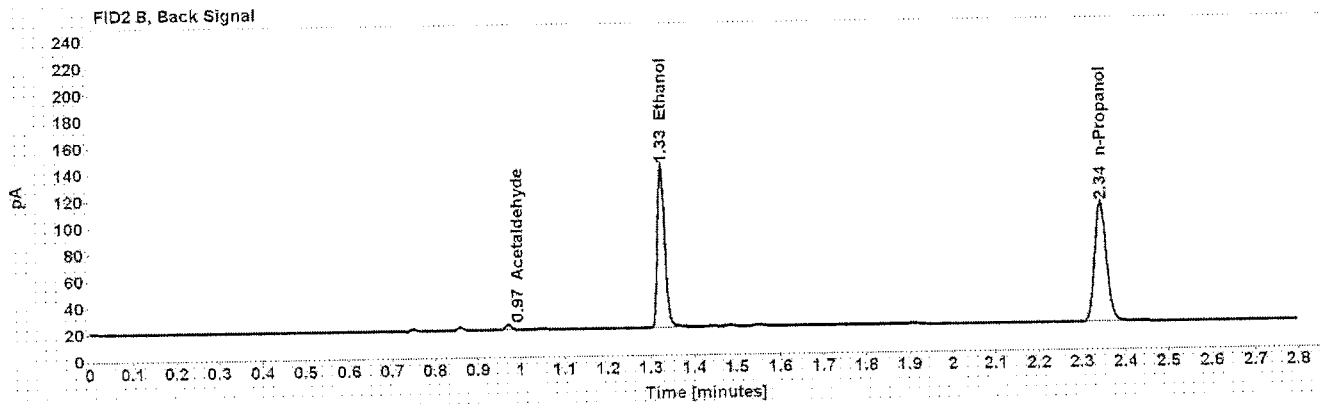
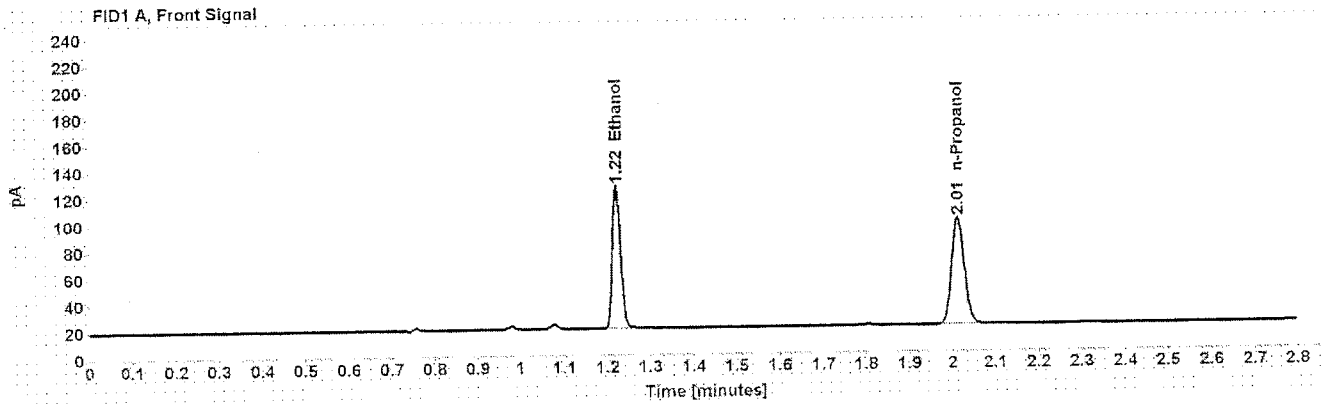


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2337	1.222	141.703
n-Propanol	-----	2.013	164.408

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.917
Ethanol	1.325	146.954
n-Propanol	2.344	169.329

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1113327
Injection date:	9/13/2016 10:16:04 PM	Vial:	45
Method:	ethanol quant.M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1>Data\13Sep16\45.D		

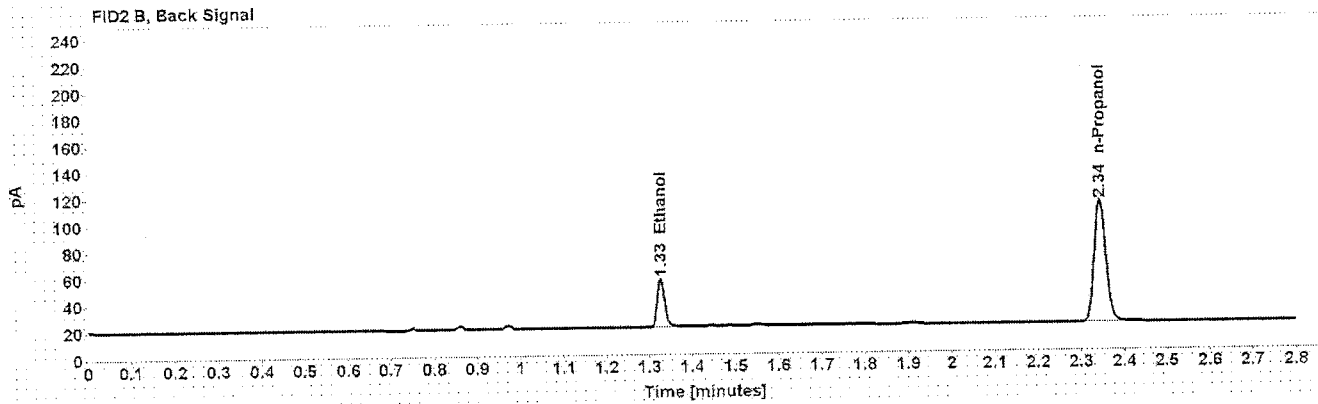
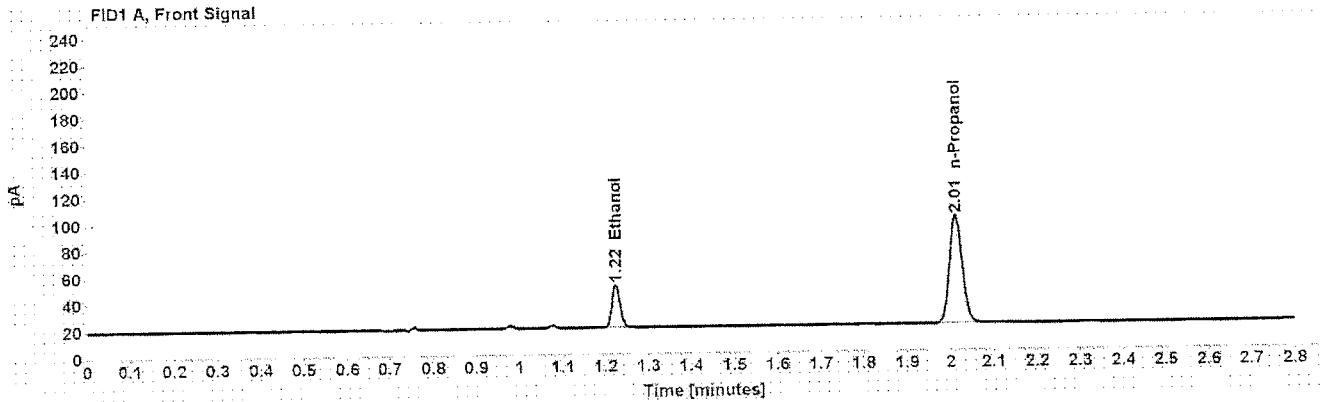


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0694	1.224	42.274
n-Propanol	-----	2.014	166.758

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

Compound	Time (min)	Peak Area
Ethanol	1.327	43.478
n-Propanol	2.344	171.831

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113327  
Injection date: 9/13/2016 10:20:04 PM Vial: 46  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem321\1Data\13Sep16\46.D

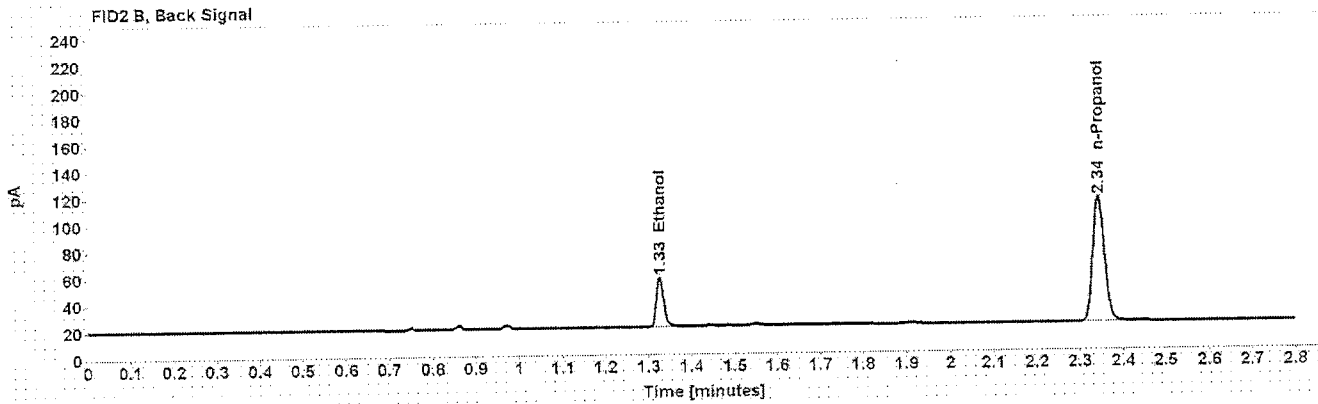
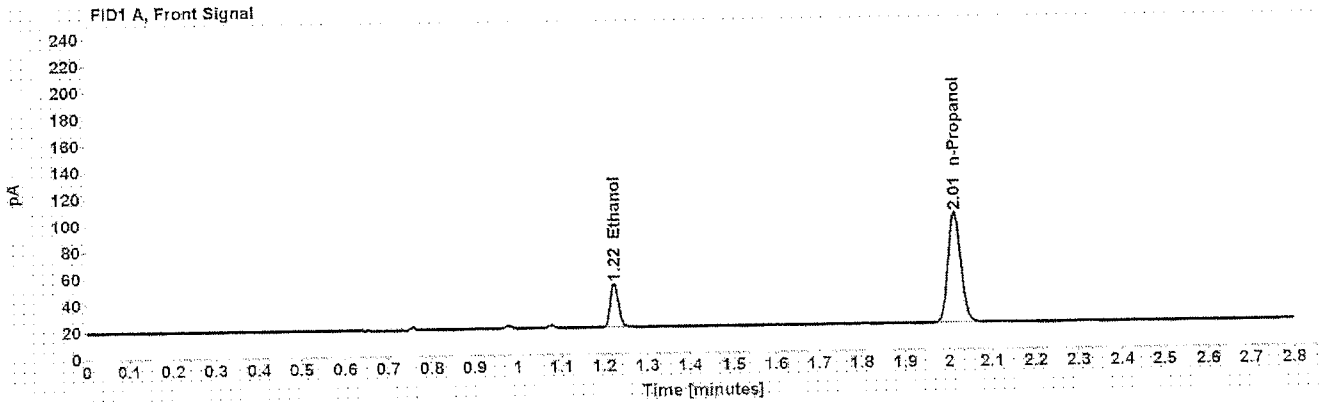


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0688	1.224	43.198
n-Propanol	-----	2.013	171.908

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

Compound	Time (min)	Peak Area
Ethanol	1.327	45.038
n-Propanol	2.344	175.776



Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111433  
Injection date: 9/13/2016 10:24:04 PM Vial: 47  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\47.D

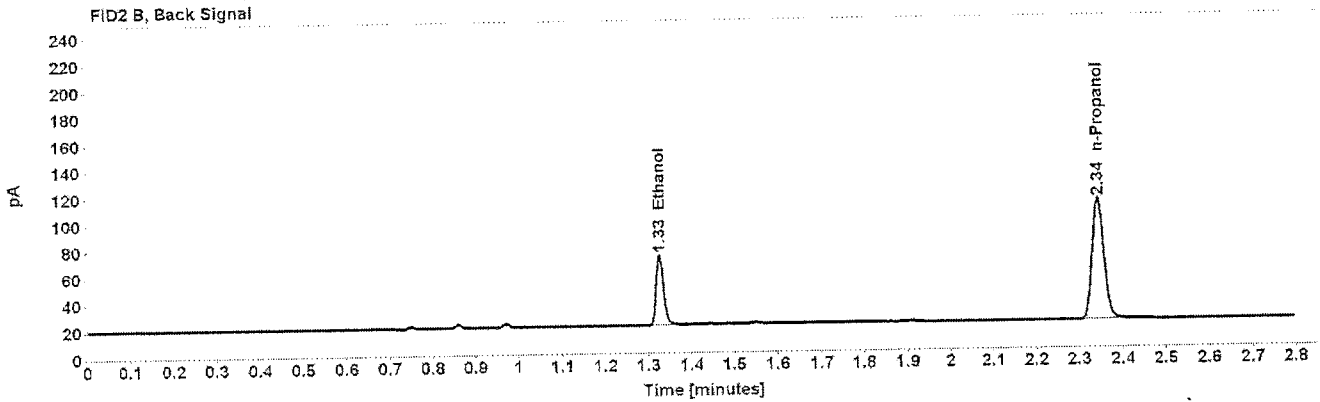
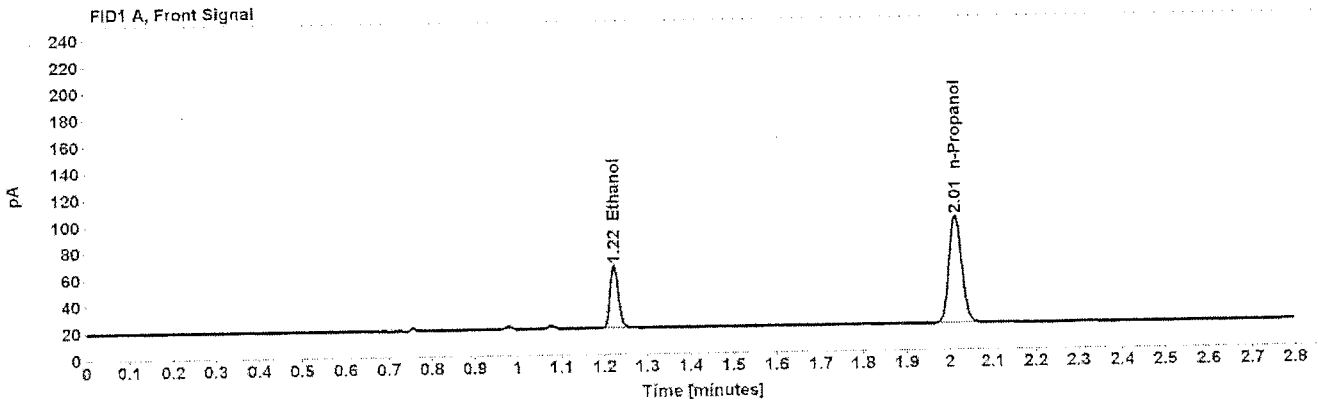


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1013	1.223	61.750
n-Propanol	-----	2.014	166.080

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

Compound	Time (min)	Peak Area
Ethanol	1.326	63.658
n-Propanol	2.344	170.923

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1111433  
Injection date: 9/13/2016 10:28:04 PM Vial: 48  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem3211\Data\13Sep16\48.D

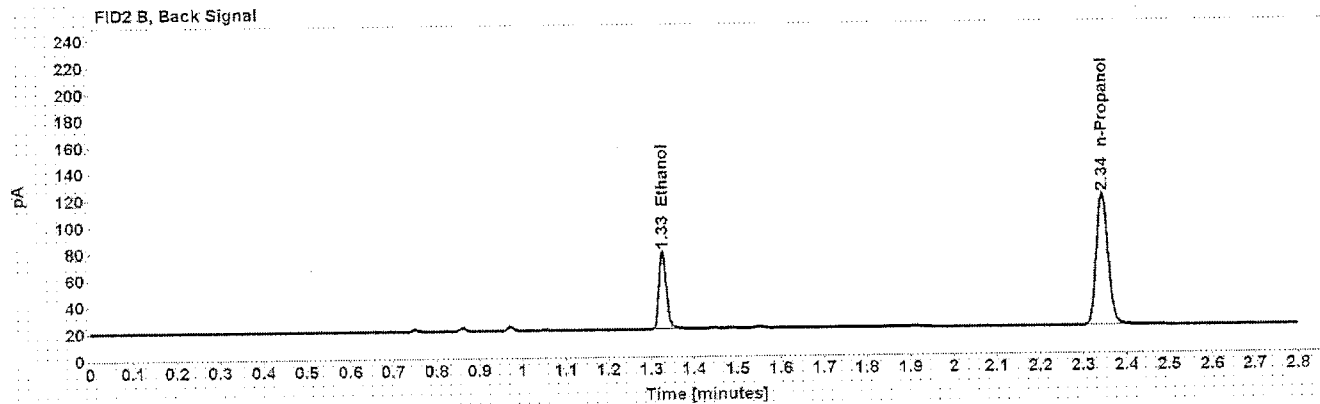
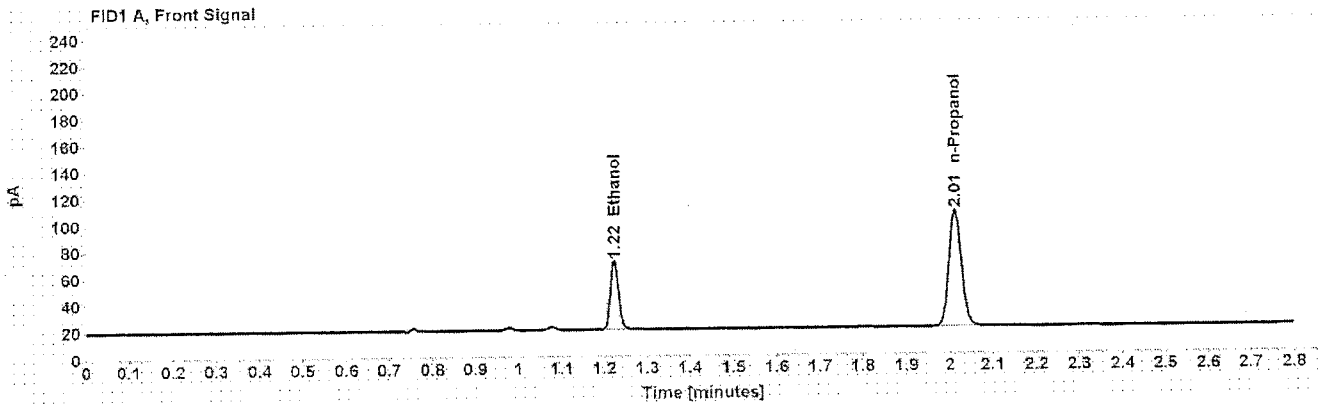


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1027	1.223	67.812
n-Propanol	-----	2.014	179.995

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

Compound	Time (min)	Peak Area
Ethanol	1.326	69.972
n-Propanol	2.344	185.425

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1086016
<b>Injection date:</b> 9/13/2016 10:32:19 PM	<b>Vial:</b> 49
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan
<b>Data file:</b> C:\Chem3211\Data\13Sep16\49.D	

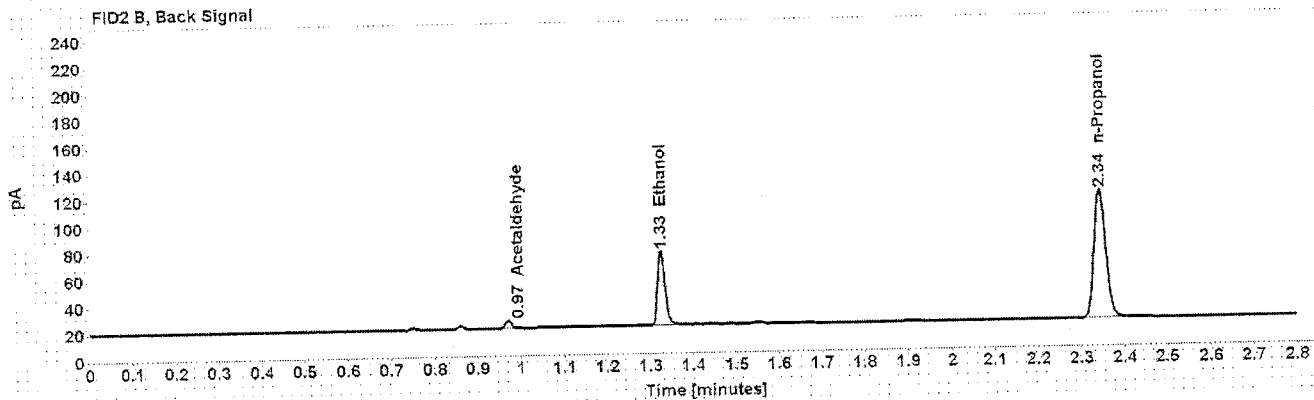
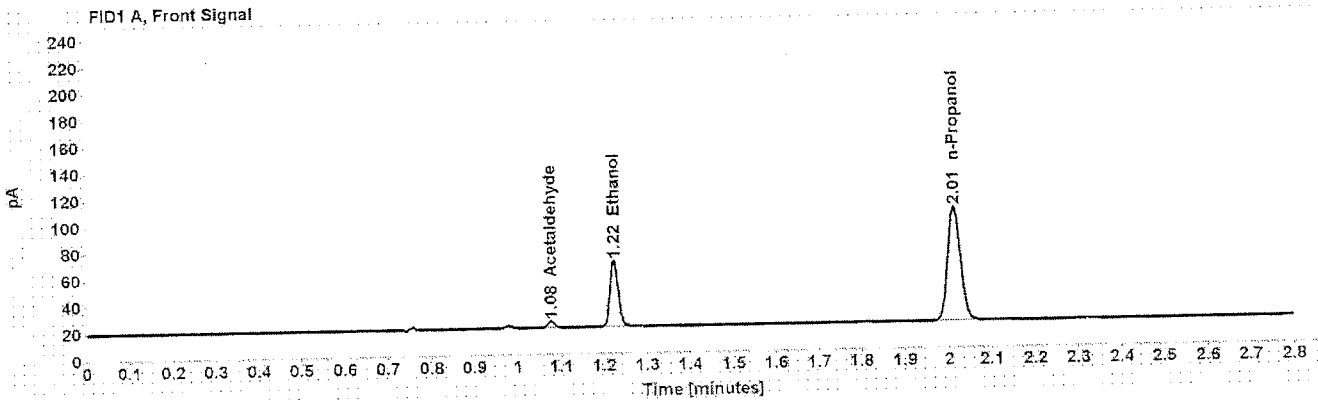


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.190
>Ethanol	0.1008	1.223	65.171
n-Propanol	-----	2.014	176.269

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.569
Ethanol	1.326	67.291
n-Propanol	2.344	181.593

Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1086016  
Injection date: 9/13/2016 10:36:18 PM Vial: 50  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\50.D

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

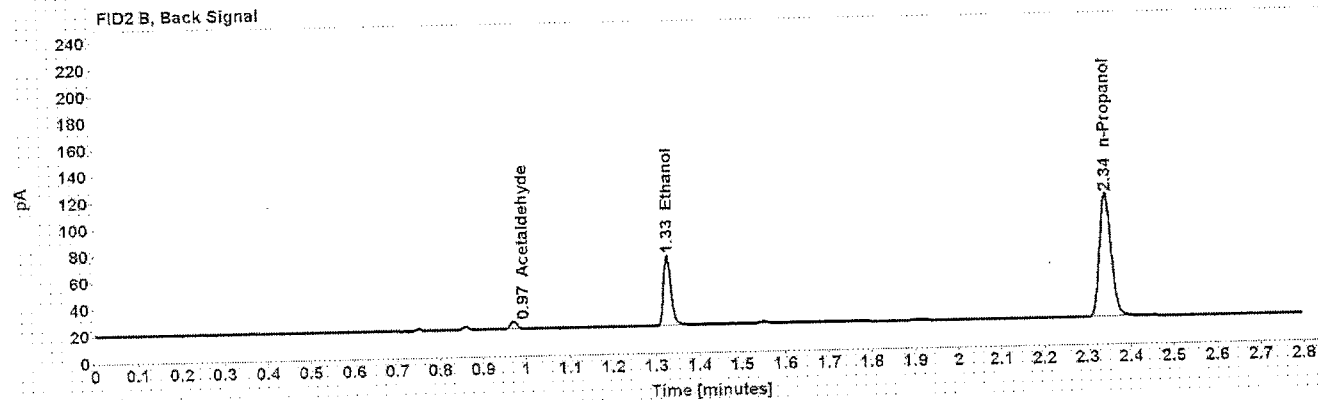
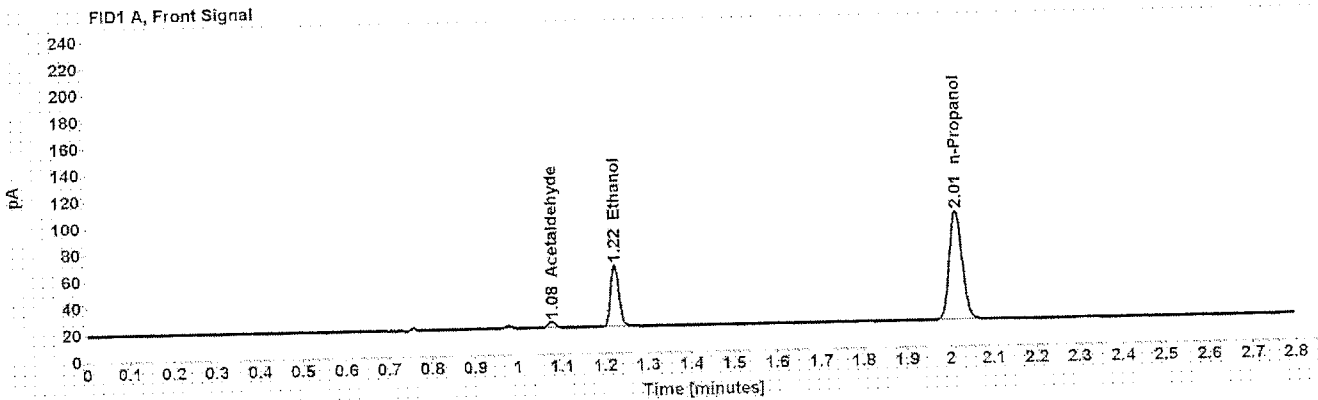


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.077
>Ethanol	0.0996	1.223	61.612
n-Propanol	-----	2.013	168.584

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	5.423
Ethanol	1.326	63.469
n-Propanol	2.344	173.693

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113482  
Injection date: 9/13/2016 10:40:18 PM Vial: 51  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem321\1Data\13Sep16\51.D

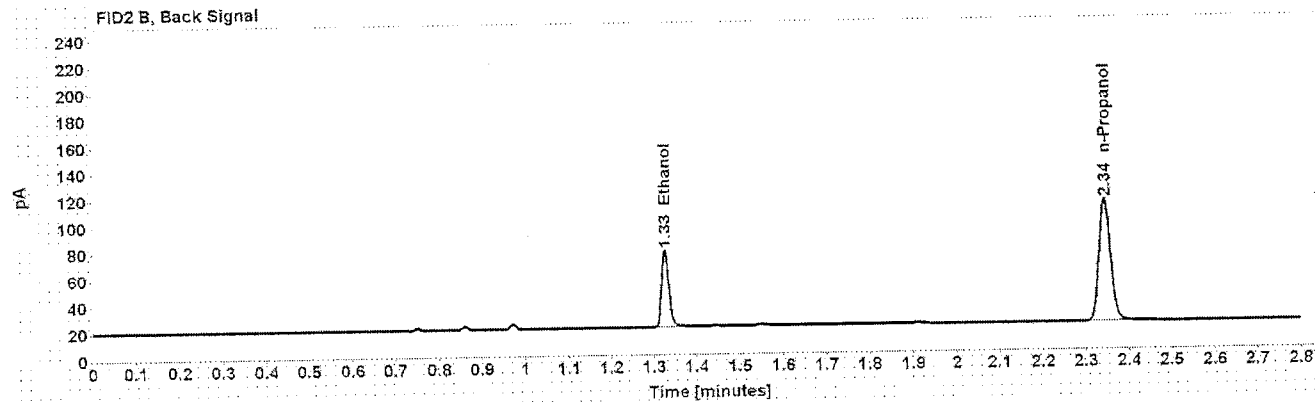
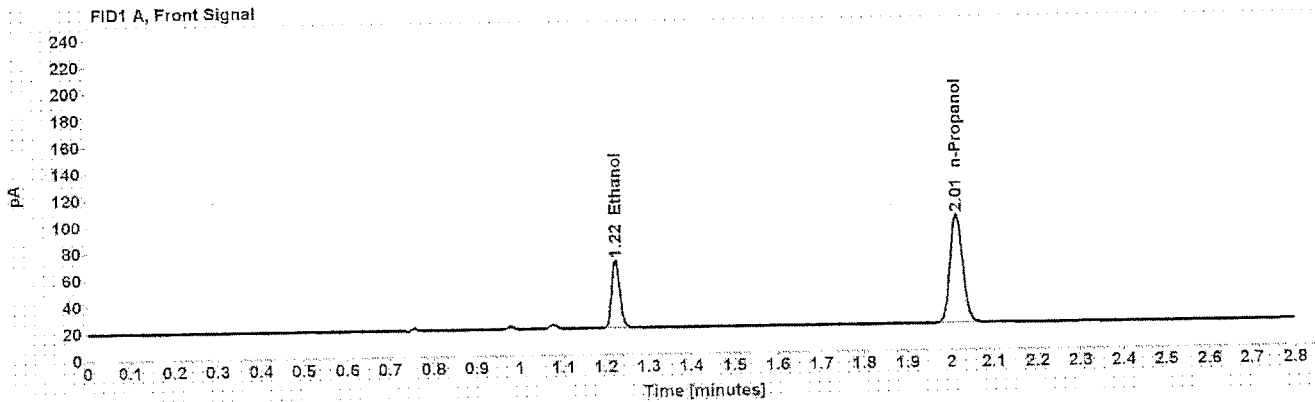


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1095	1.224	67.351
n-Propanol	-----	2.014	167.516

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

Compound	Time (min)	Peak Area
Ethanol	1.327	69.446
n-Propanol	2.344	172.639

Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113482  
Injection date: 9/13/2016 10:44:19 PM Vial: 52  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem\321\Data\13Sep16\52.D

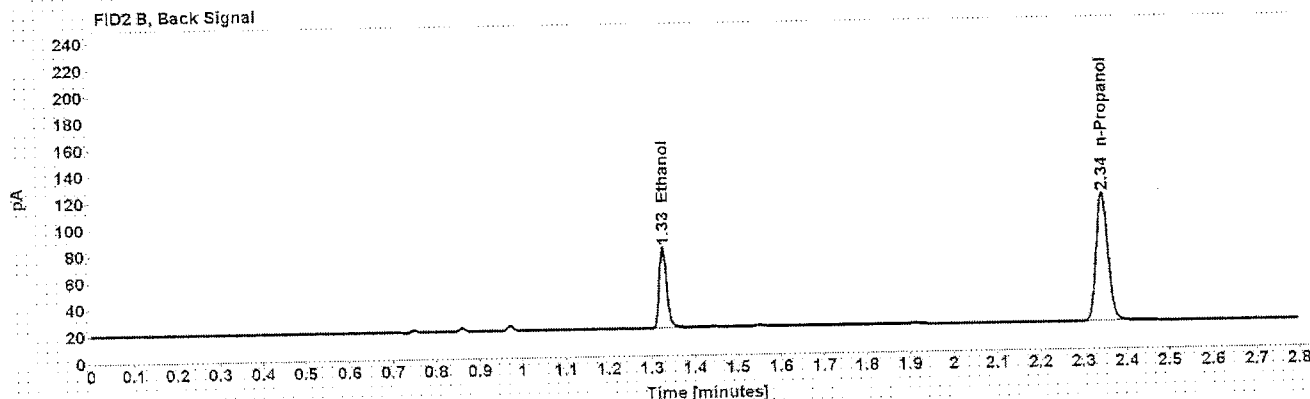
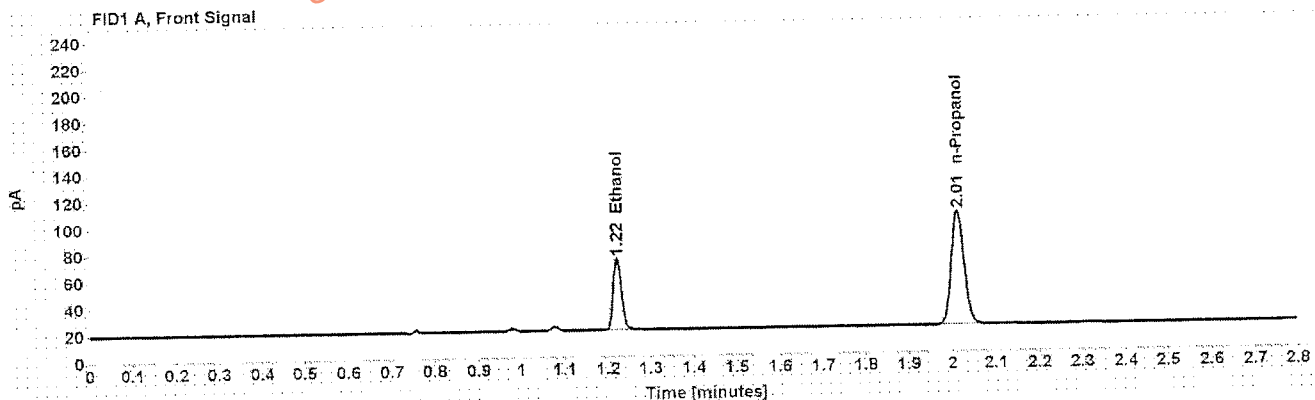


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1097	1.223	70.886
n-Propanol	-----	2.013	175.916

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

Compound	Time (min)	Peak Area
Ethanol	1.326	73.023
n-Propanol	2.344	181.466

Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1112191  
Injection date: 9/13/2016 10:52:18 PM Vial: 54  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\54.D

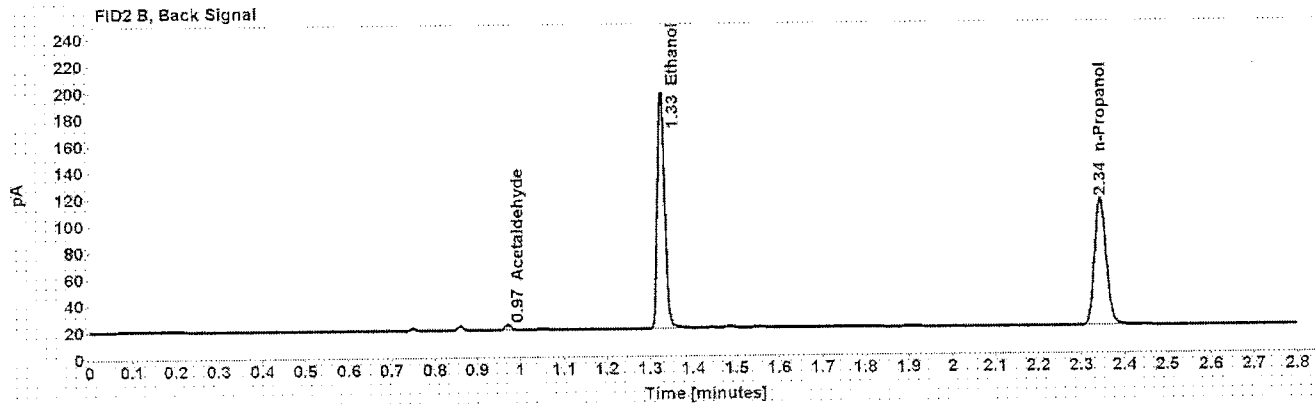
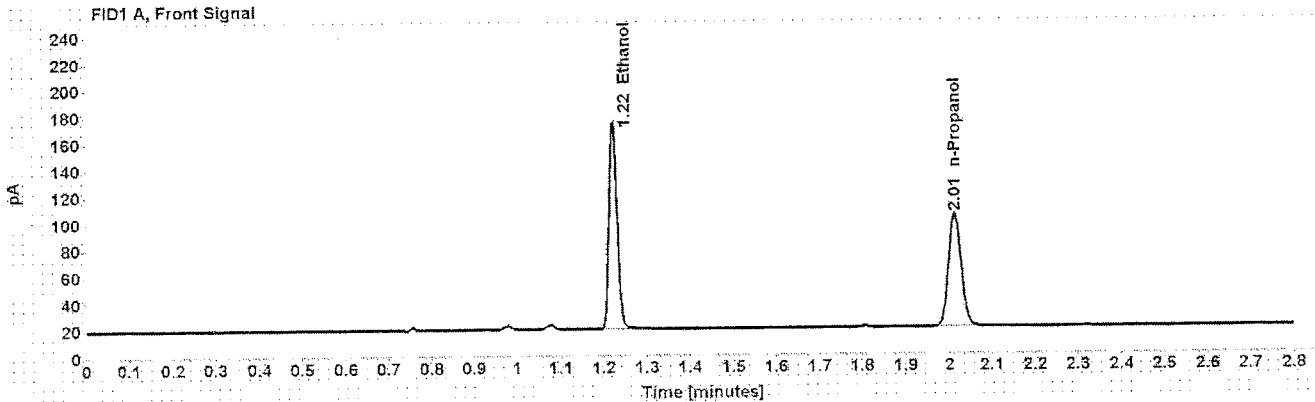


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3190	1.223	205.043
n-Propanol	-----	2.014	174.153

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.961
Ethanol	1.326	212.815
n-Propanol	2.344	178.903

Case: [REDACTED] User: alangan 9/14/2016

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1112191  
Injection date: 9/13/2016 10:56:34 PM Vial: 55  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: CaChem321Data\13Sep16\55.D

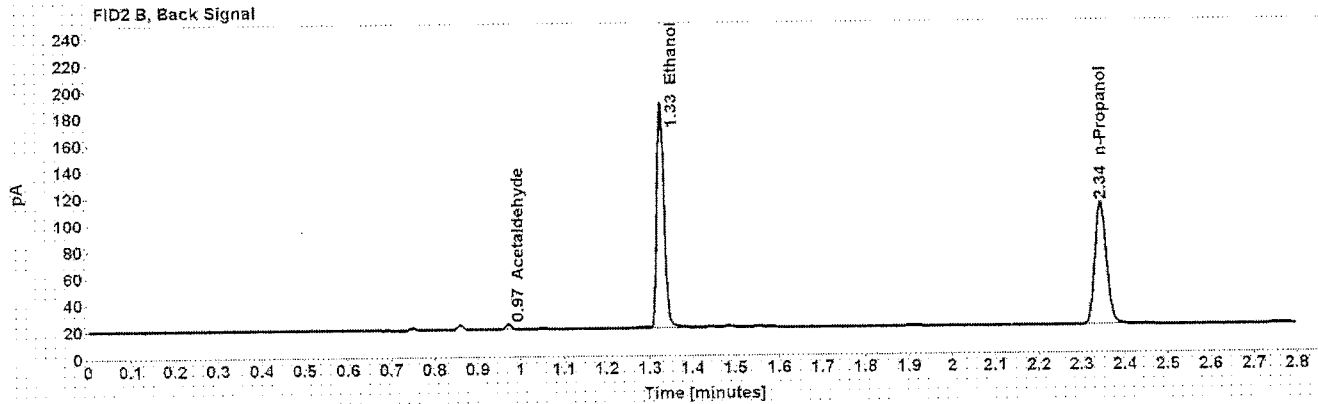
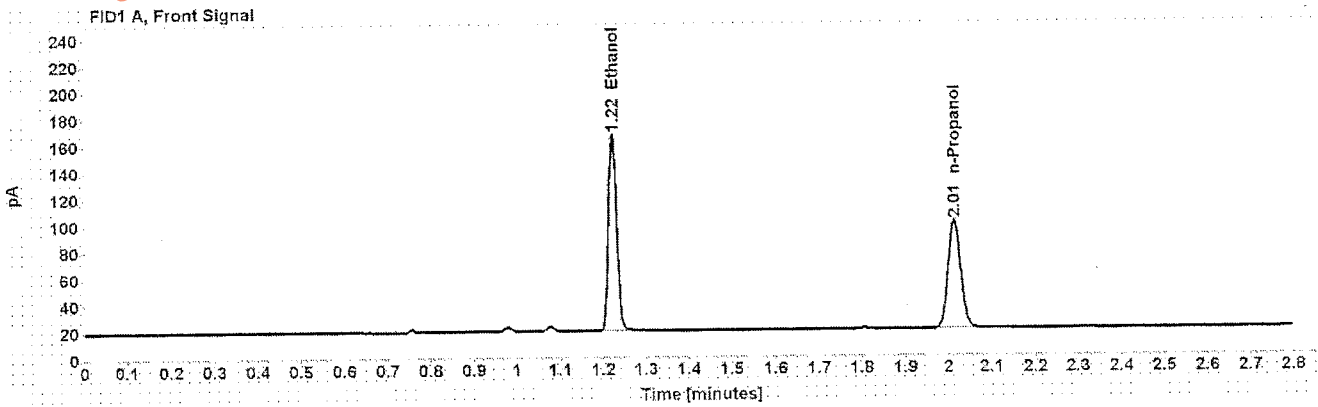


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3168	1.223	195.176
n-Propanol	-----	2.014	166.924

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.971	3.938
Ethanol	1.326	203.184
n-Propanol	2.344	171.583



Case: [REDACTED] User: alangan 9/14/2016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113787  
Injection date: 9/13/2016 11:00:34 PM Vial: 56  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem321\Data\13Sep16\56.D

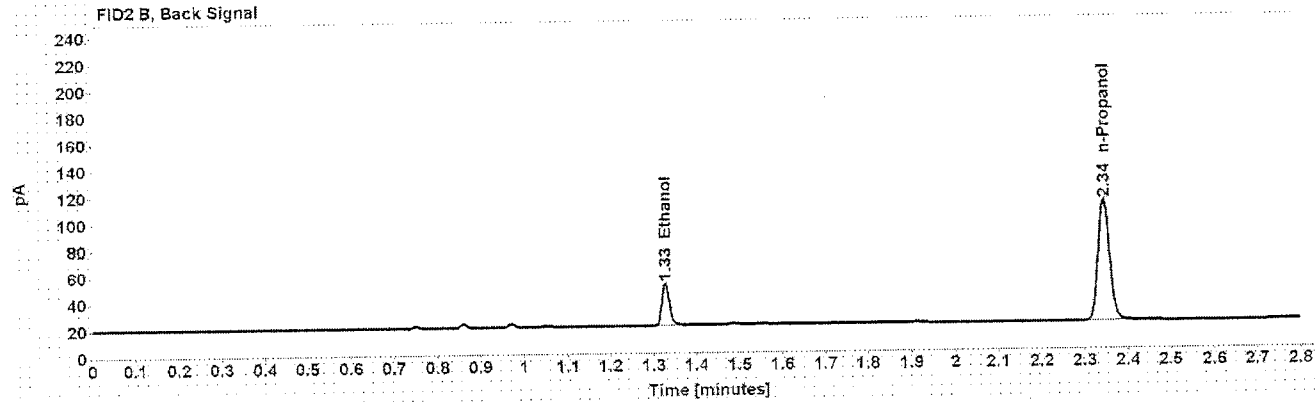
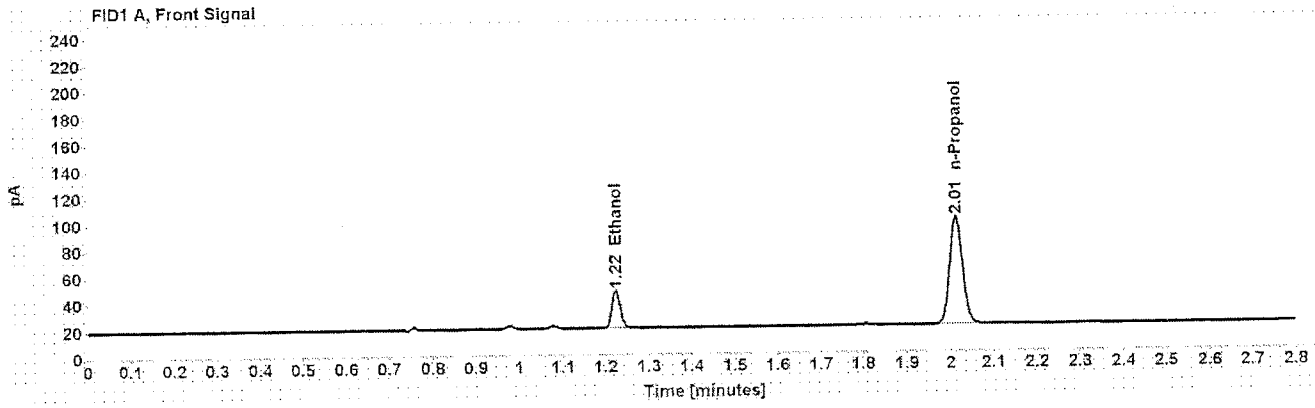


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0612	1.224	37.058
n-Propanol	-----	2.014	166.024

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

Compound	Time (min)	Peak Area
Ethanol	1.327	38.085
n-Propanol	2.344	170.955

Case: [REDACTED] User: alangan 9/14/2016

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1113787  
Injection date: 9/13/2016 11:04:34 PM Vial: 57  
Method: ethanol quant.M Sequence: 13Sep16  
Instrument: US14173023 CN14160045 Analyst: Langan  
Data file: C:\Chem32\1\Data\13Sep16\57.D

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

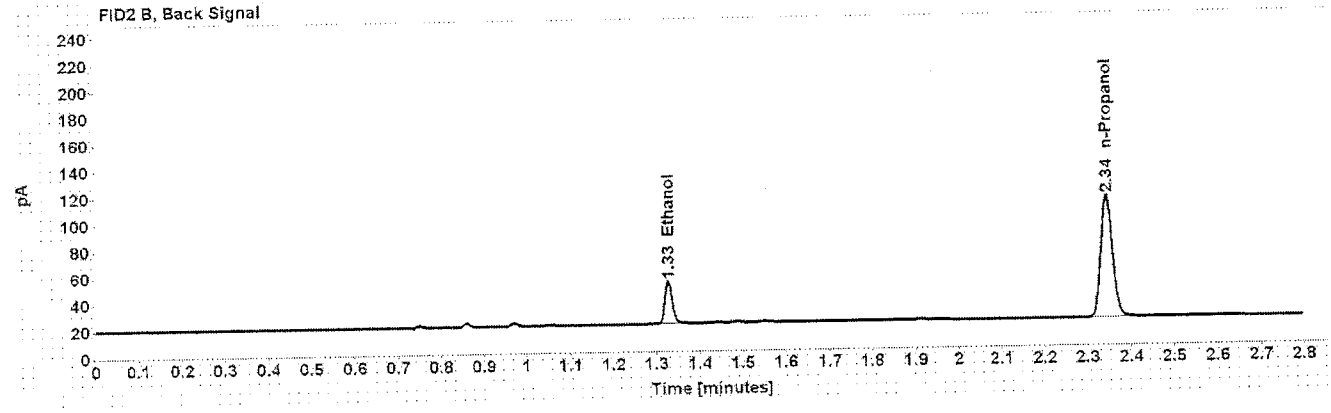
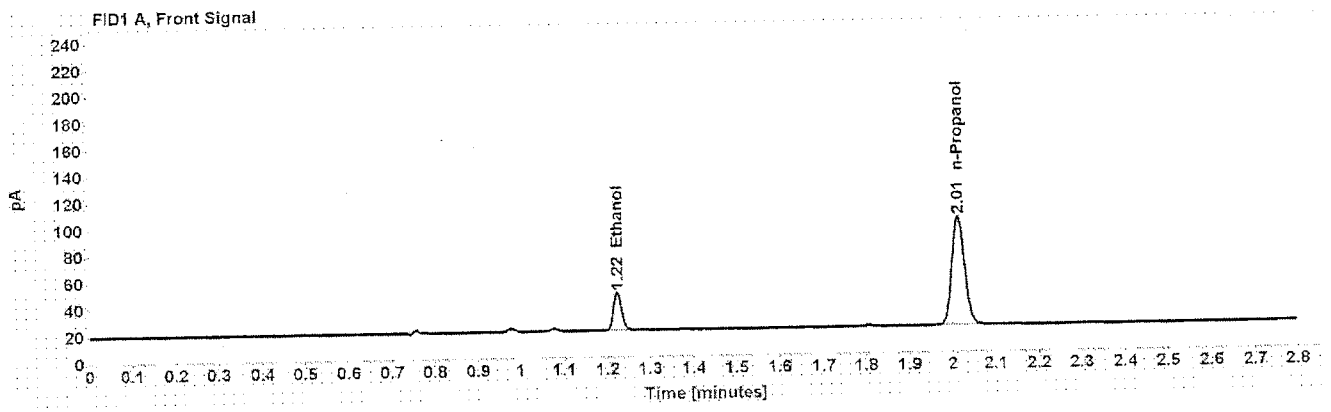


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0610	1.224	37.244
n-Propanol	-----	2.014	167.239

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

Compound	Time (min)	Peak Area
Ethanol	1.327	38.858
n-Propanol	2.344	172.315

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 ACQ 407041529/3	Item number:
Injection date: 9/13/2016 11:08:34 PM	Vial: 58
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\13Sep16\058F5801.D	

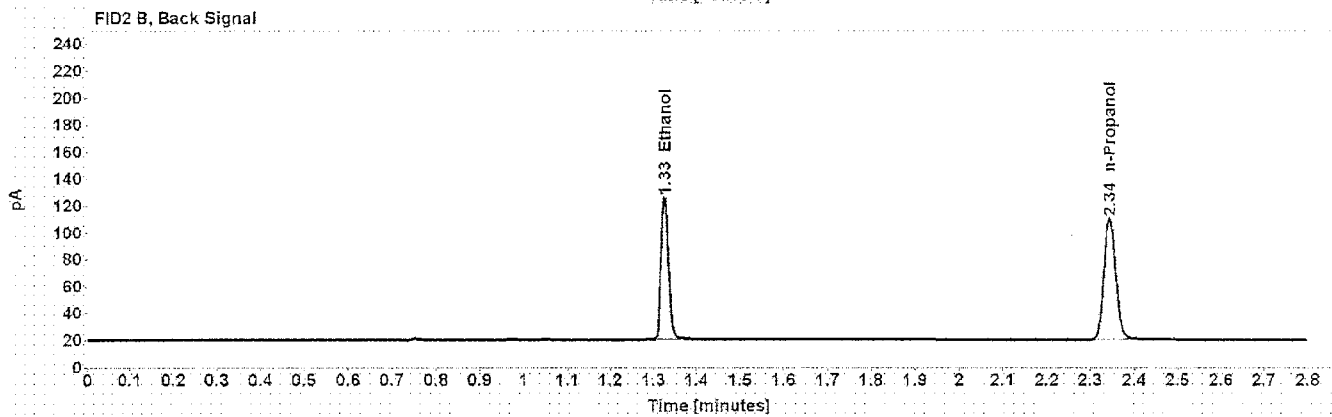
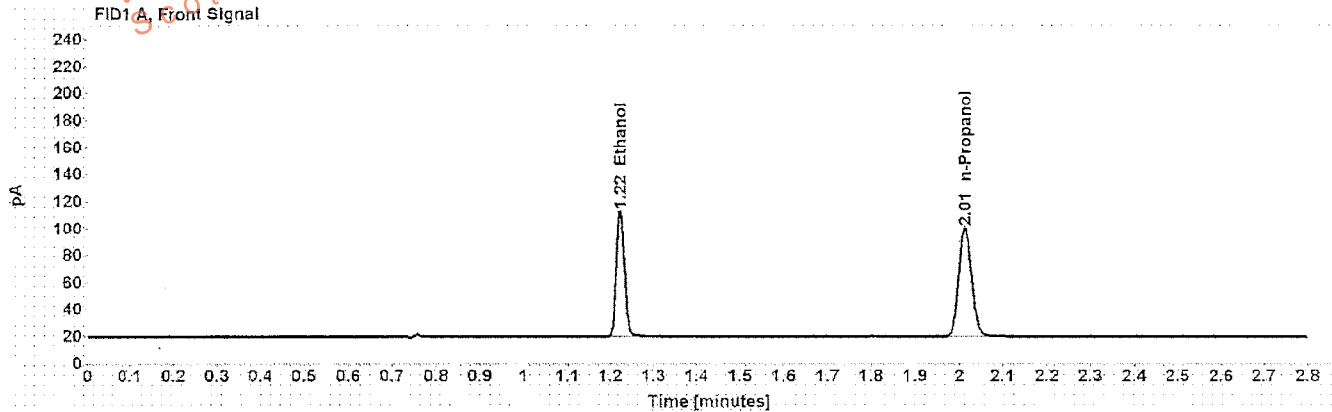


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2015	1.223	123.143
n-Propanol	-----	2.013	165.832

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

Compound	Time (min)	Peak Area
Ethanol	1.326	126.994
n-Propanol	2.344	170.499

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 0.20 ACQ 407041529/3	<b>Item number:</b>
<b>Injection date:</b> 9/13/2016 11:12:34 PM	<b>Vial:</b> 59
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep16
<b>Instrument:</b> US14173023.CN14160045	<b>Analyst:</b> Langan <i>AL</i>
<b>Data file:</b> C:\Chem32\11\Data\13Sep16\059F5901.D	

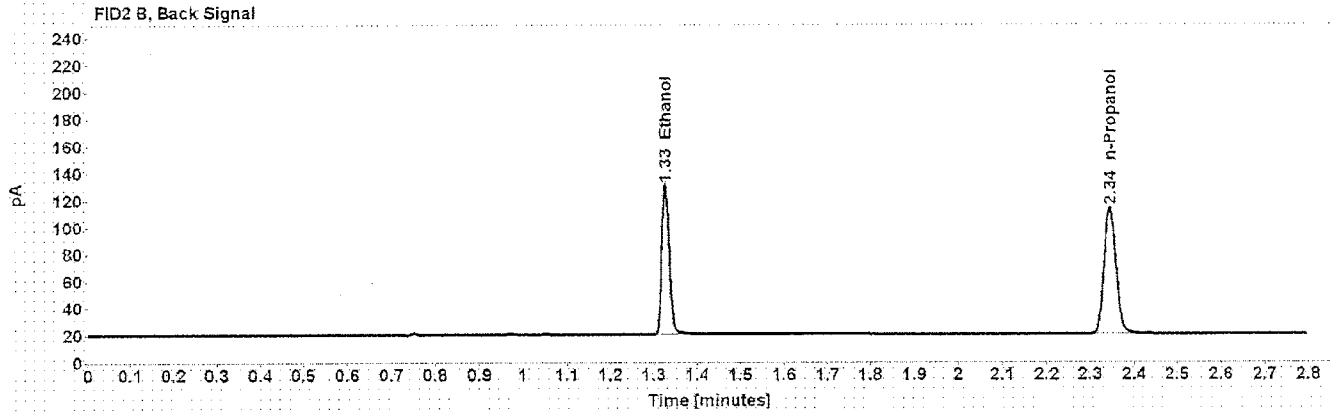
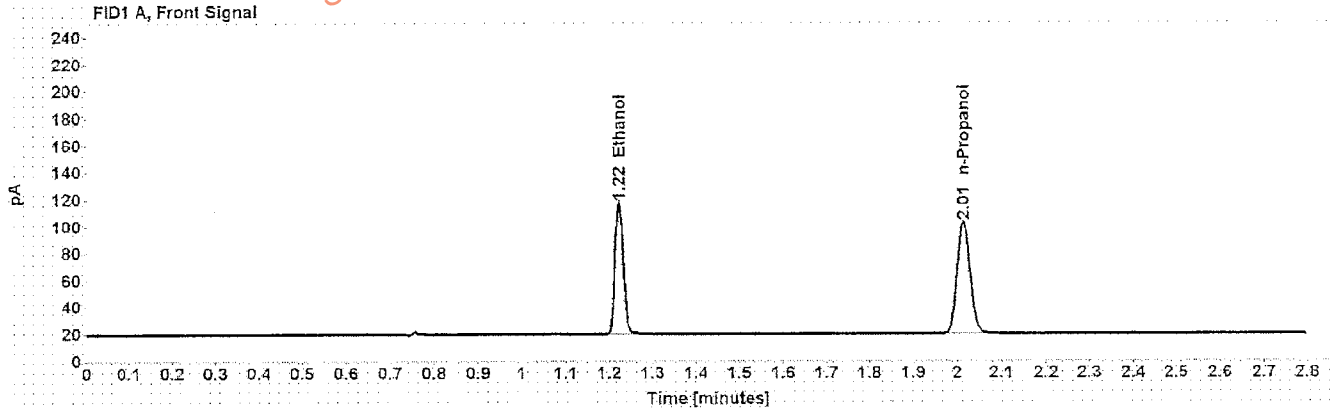


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2029	1.223	128.382
n-Propanol	-----	2.014	171.668

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

Compound	Time (min)	Peak Area
Ethanol	1.326	132.507
n-Propanol	2.344	176.261

# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

<b>Sample:</b> 0.30 Lipomed 18052015-A/1	<b>Item number:</b>
<b>Injection date:</b> 9/13/2016 11:16:34 PM	<b>Vial:</b> 60
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep16
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Langan <i>AL</i>
<b>Data file:</b> C:\Chem32\1\Data\13Sep16\060F6001.D	

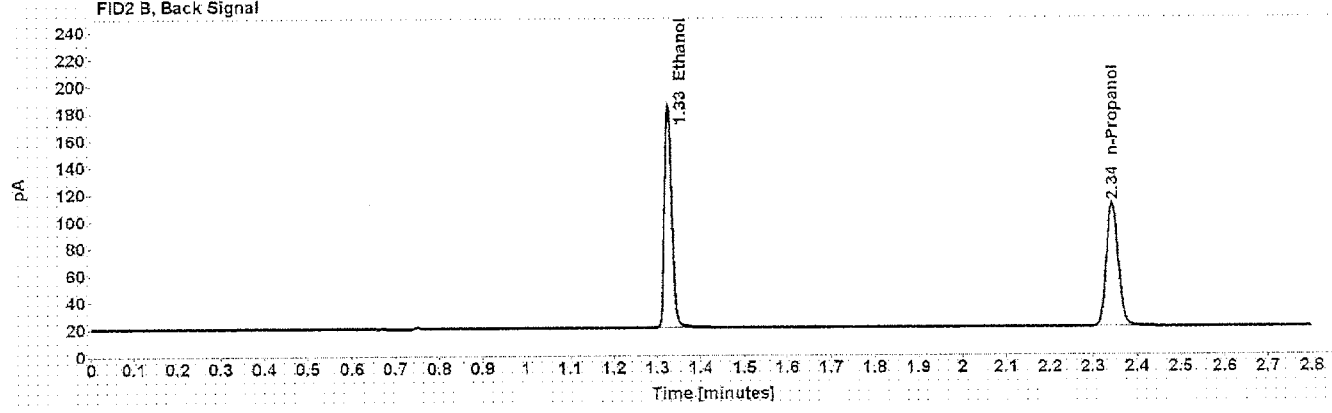
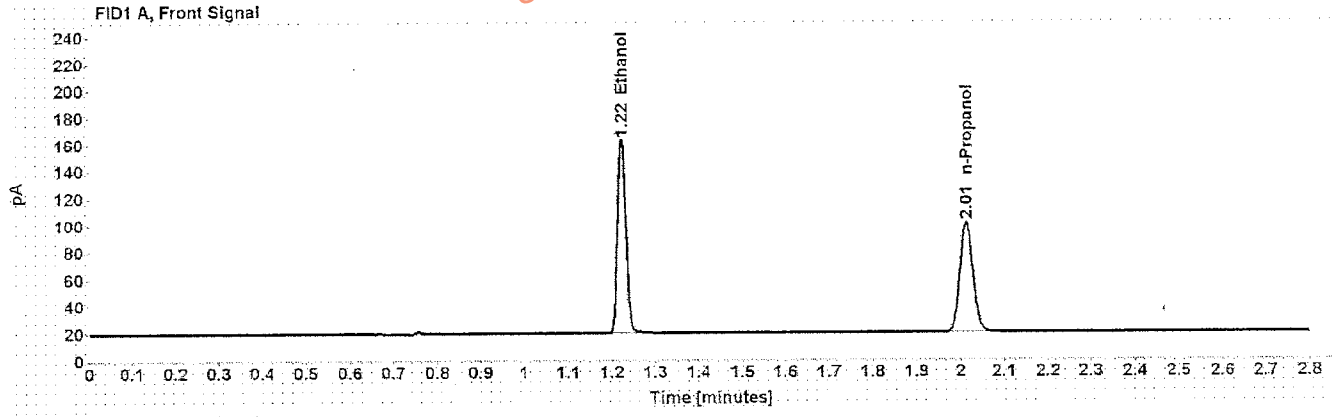


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3066	1.222	190.361
n-Propanol	-----	2.013	168.212

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

Compound	Time (min)	Peak Area
Ethanol	1.325	197.032
n-Propanol	2.344	172.721

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.30 Lipomed 18052015-AV1	Item number:
Injection date: 9/13/2016 11:20:49 PM	Vial: 61
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem321\1\13Sep16\061F6101.D	

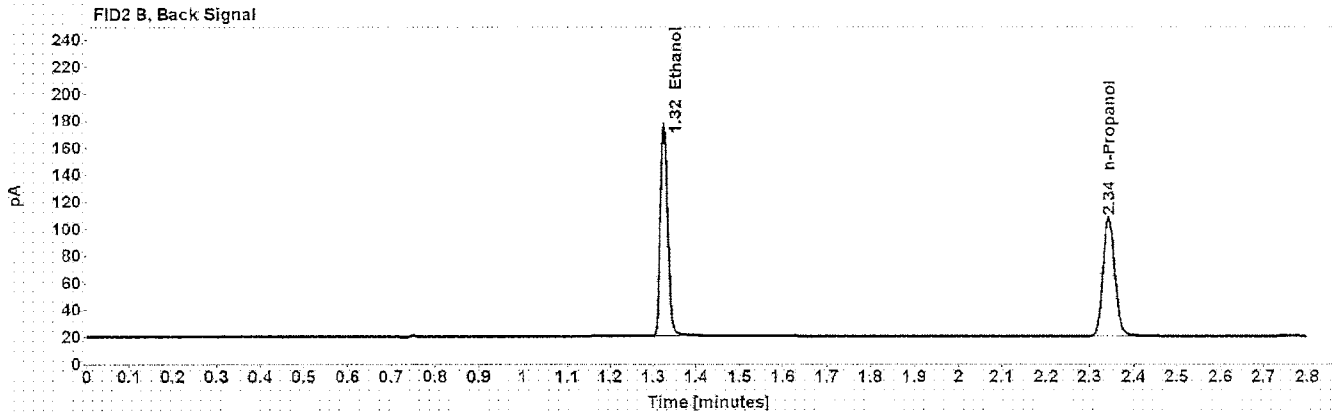
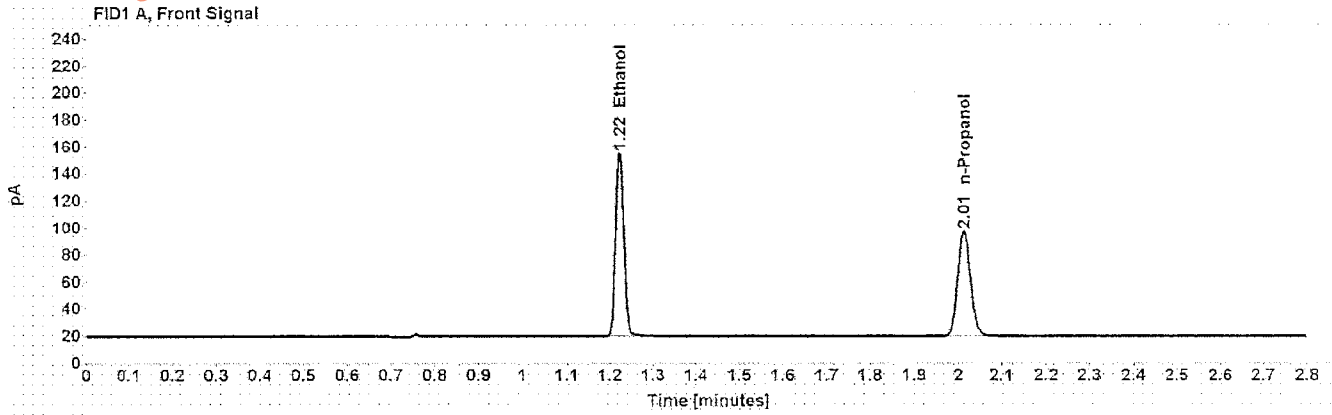


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3024	1.222	180.043
n-Propanol	-----	2.013	161.302

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

Compound	Time (min)	Peak Area
Ethanol	1.325	186.238
n-Propanol	2.343	165.504

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 9/13/2016 11:24:48 PM	Vial: 62
Method: ethanol quant.M	Sequence: 13Sep16
Instrument: US14173023-CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\13Sep16\062F6201.D	

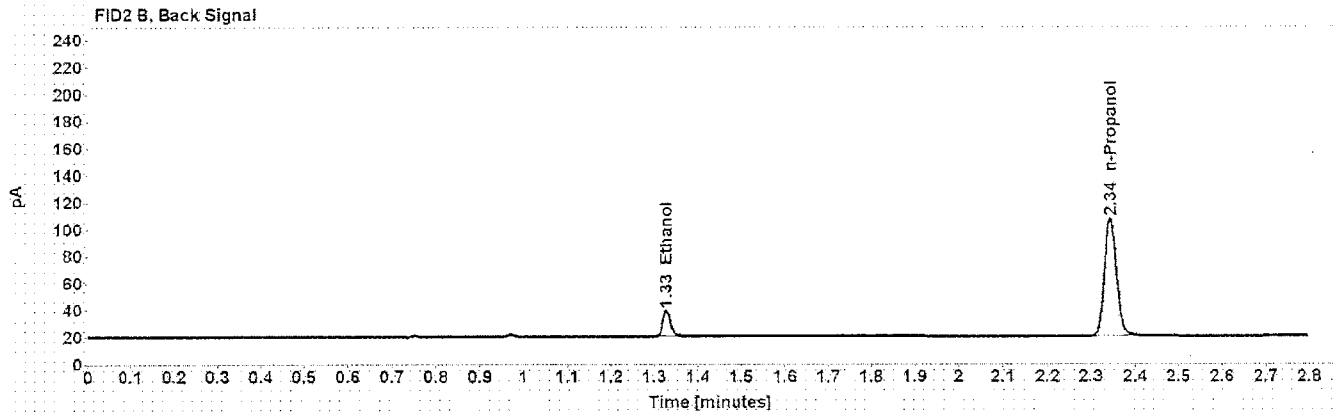
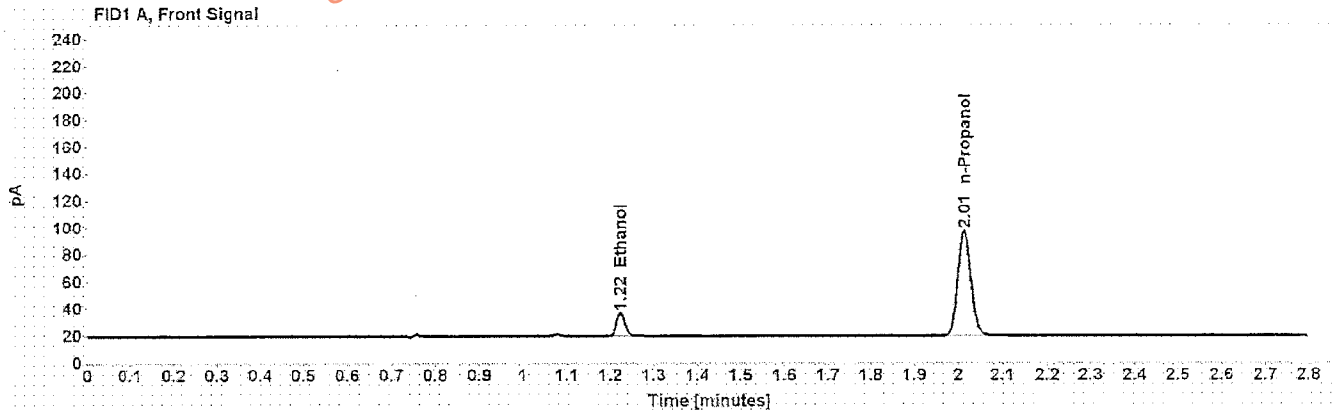


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0396	1.224	23.085
n-Propanol	-----	2.013	160.973

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

Compound	Time (min)	Peak Area
Ethanol	1.327	23.594
n-Propanol	2.344	165.150

# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

Sample:	0.04 Lipomed 09022015-A	Item number:	63
Injection date:	9/13/2016 11:28:49 PM	Vial:	63
Method:	ethanol quant.M	Sequence:	13Sep16
Instrument:	US14173023 CN14160045	Analyst:	Langan <i>AL</i>
Data file:	C:\Chem32\1\Data\13Sep16\063F6301.D		

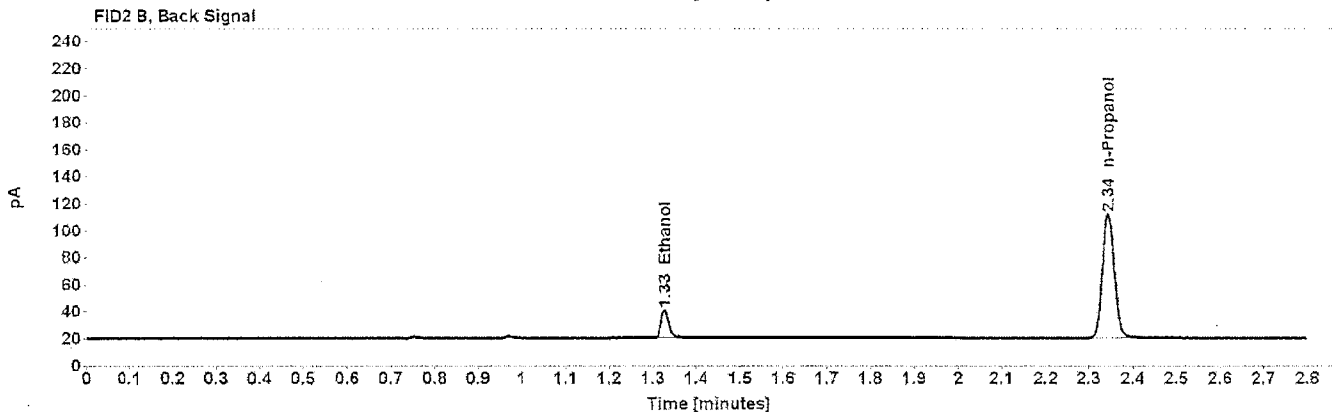
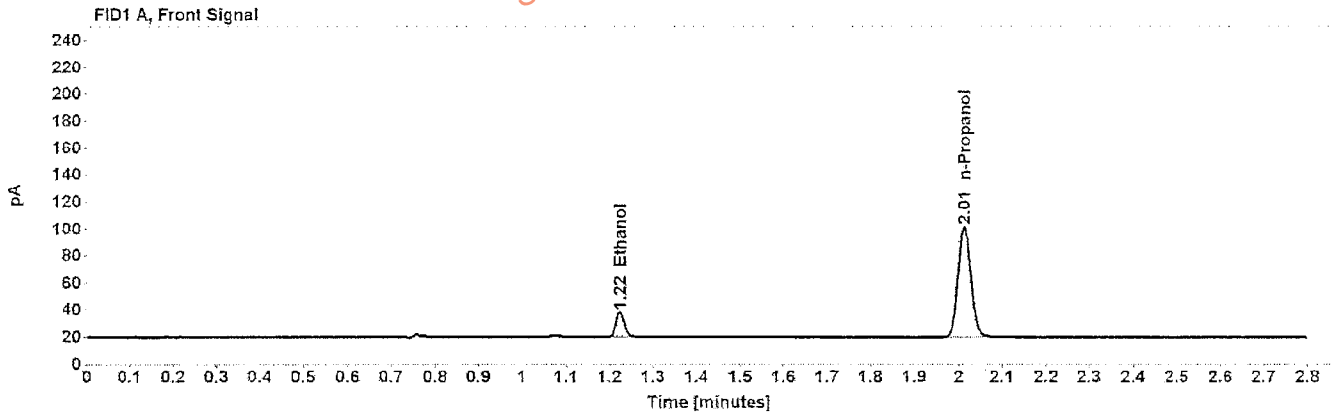


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0400	1.224	24.466
n-Propanol	-----	2.013	168.863

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

Compound	Time (min)	Peak Area
Ethanol	1.327	25.070
n-Propanol	2.344	173.470