

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 07/12/2016 SEQUENCE NAME 12Jul16 1

EQUIPMENT

Pipettor Hamilton MD91JC4962 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 1.00000
 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 110215
6	volatiles mixture	6 Compounds	6 Compounds	SPD lab 030916ASL
7	aqueous control	0.400 g/dL	0.408g/dL	Lipomed 05012012-C
8	aqueous control	0.040 g/dL	0.040g/dL	Lipomed 30112011-B
9	blood control	0.200 g/dL	0.202g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.080g/dL	Lipomed 14112011-A
31	aqueous control	0.150 g/dL	0.153g/dL	Lipomed 11012012-C
42	blood control	0.200 g/dL	0.203g/dL	ACQ 402101060/6
47	aqueous control	0.400 g/dL	0.402g/dL	Lipomed 05012012-C
48	aqueous control	0.040 g/dL	0.041g/dL	Lipomed 30112011-B
49	blood control	0.200 g/dL	0.204 g/dL	ACQ 402101060/6
50	blank	Not detected	Not detected	SPD lab 110215

SUBJECT SAMPLES

Subjects in the sequence 17 Subjects requiring reanalysis 1

ADDITIONAL NOTES: Vials 27 & 28 duplicates fell outside of the expected 2% agreement range. Vials 21, 22 and 23, 24 are reanalyzed samples from run 05Jul16. Hand corrected the item number on chromatograms for vials 10, 11, and Sequence Summary Report.

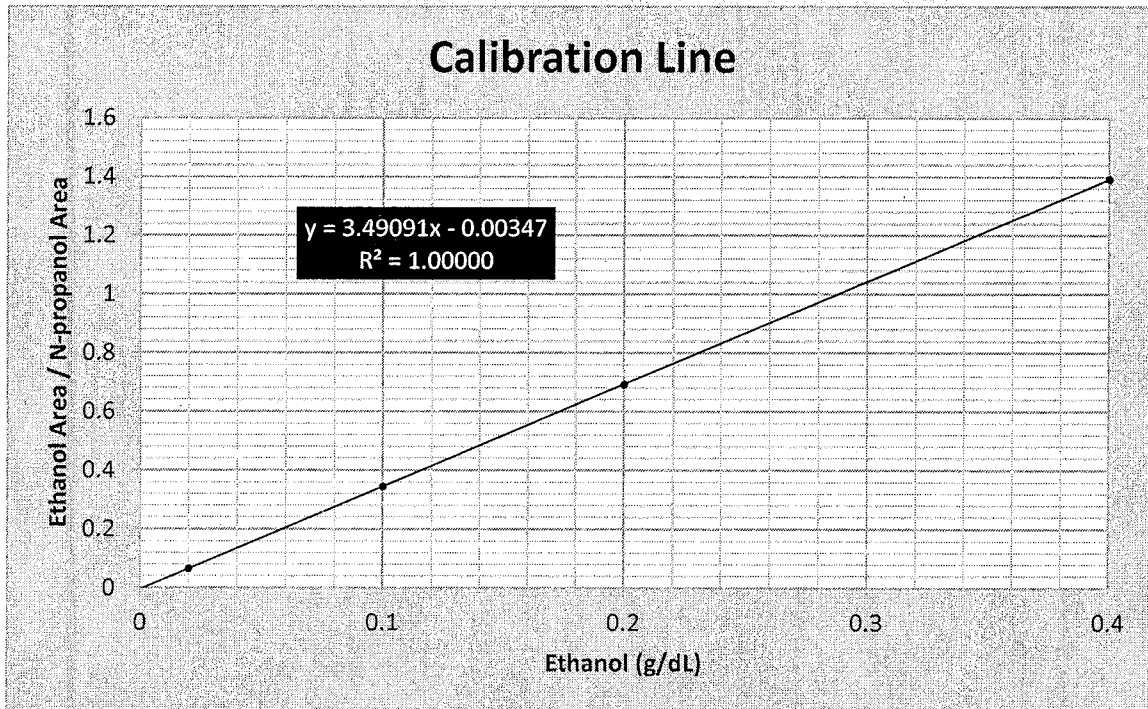
Run valid Run invalid Analyst
 Run valid Run invalid KOSECKI 7/21/16
 Technical Reviewer

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
SEQUENCE QUALITY ASSURANCE SUMMARY

SEQUENCE NAME: 12Jul16 1

Control	Vial	Expected Value (g/dL)	Measured Value (g/dL)	Percent Difference	Absolute Difference (g/dl)
1	5	negative	negative	-	-
2	7	0.400	0.408	2.00	0.008
3	8	0.040	0.040	0.00	0.000
4	9	0.200	0.202	1.00	0.002
5	20	0.080	0.080	0.00	0.000
6	31	0.150	0.153	2.00	0.003
7	42	0.200	0.203	1.50	0.003
8	47	0.400	0.402	0.50	0.002
9	48	0.040	0.041	2.50	0.001
10	49	0.200	0.204	2.00	0.004
11	50	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	10.467	155.715	0.067
0.100	54.161	156.914	0.345
0.200	108.268	156.063	0.694
0.400	216.786	155.575	1.393



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.02 Cerilliant FN08101401	Item number: 1
Injection date: 7/12/2016 1:39:27 PM	Vial: 1
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\1\Data\12Jul16\1\1.D	

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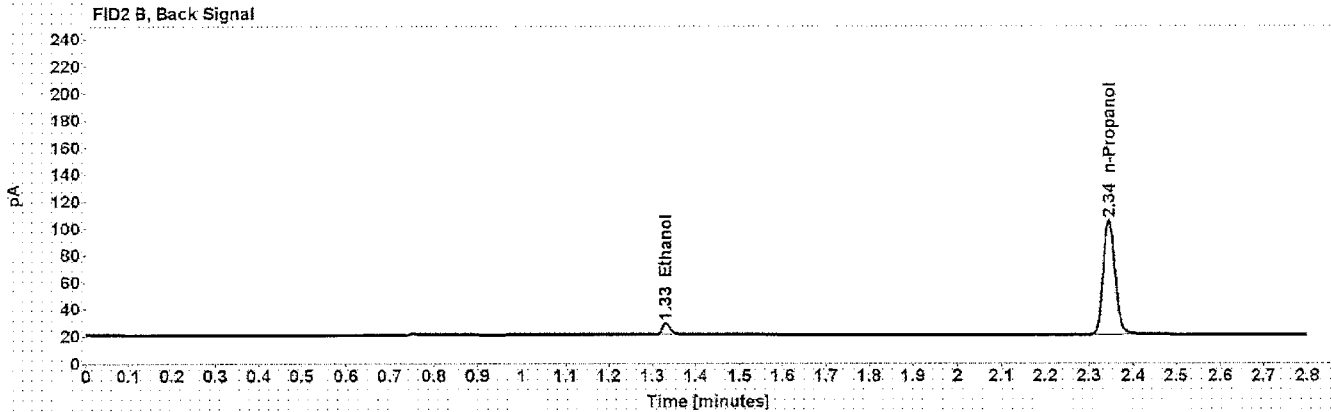
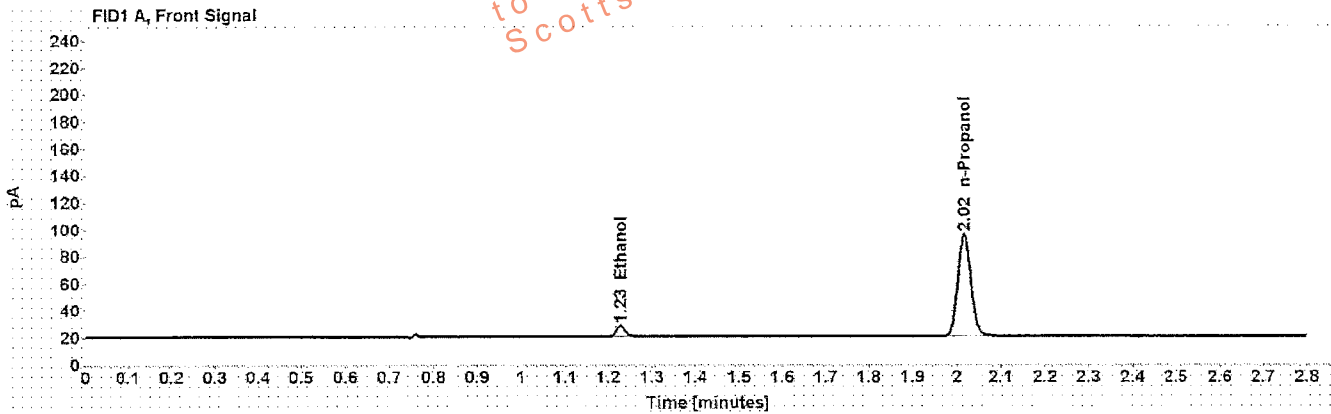


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.228	10.467
n-Propanol	2.017	155.715

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

Compound	Time (min)	Peak Area
Ethanol	1.331	10.553
n-Propanol	2.345	158.641

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.10 Cerilliant FN06181501	Item number:
Injection date: 7/12/2016 1:43:25 PM	Vial: 2
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160046	Analyst: Langan <i>AL</i>
Data file: C:\Chem32\11\Data\12Jul16 1\2.D	

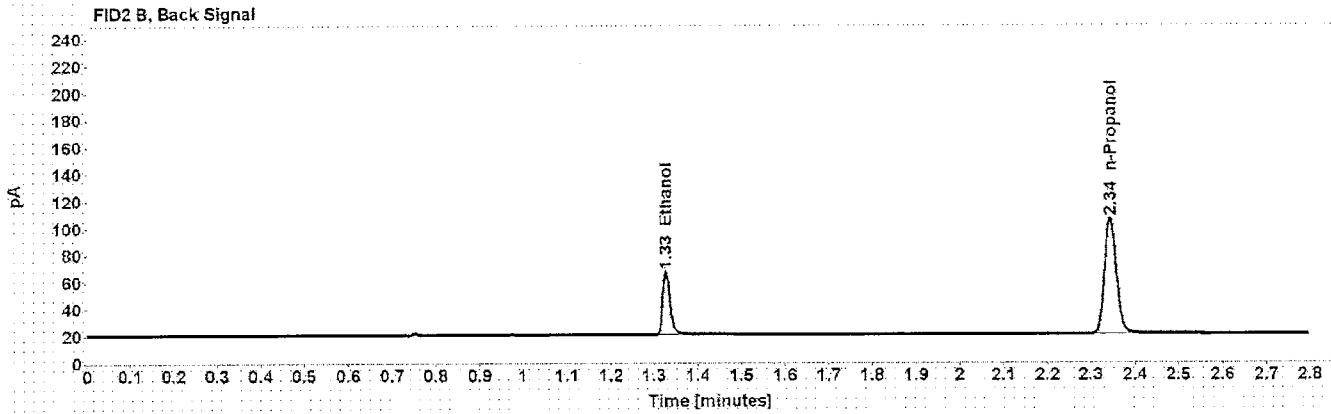
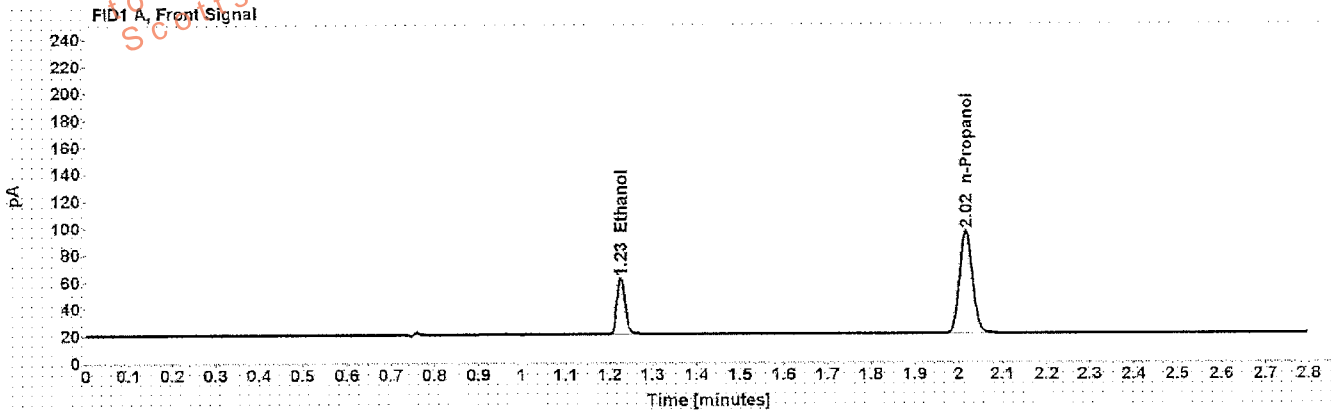


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	54.161
n-Propanol	2.016	156.914

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

Compound	Time (min)	Peak Area
Ethanol	1.327	54.774
n-Propanol	2.344	160.052

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.20 Cerilliant FN07201502	Item number:
Injection date: 7/12/2016 1:47:25 PM	Vial: 3
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem3211\Data\12Jul16 1\3.D	

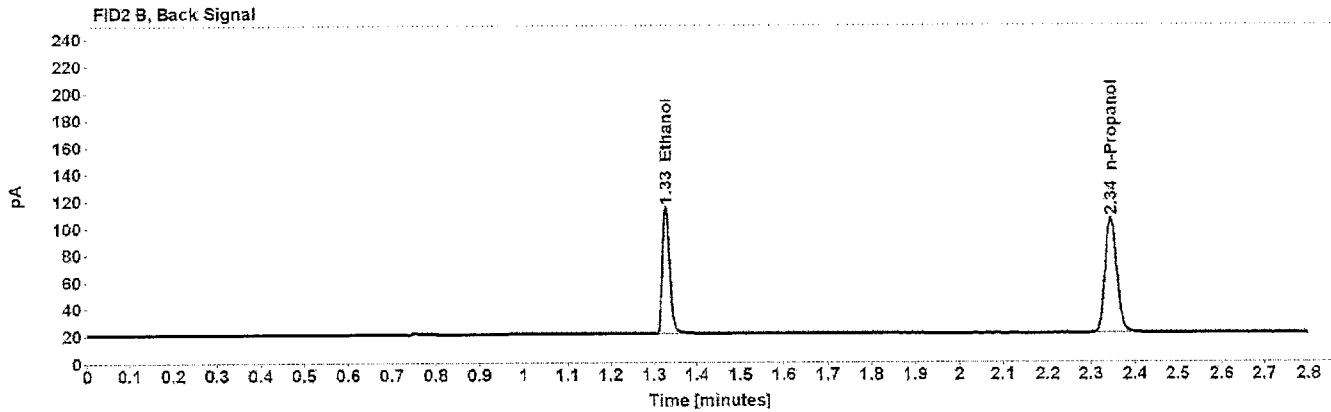
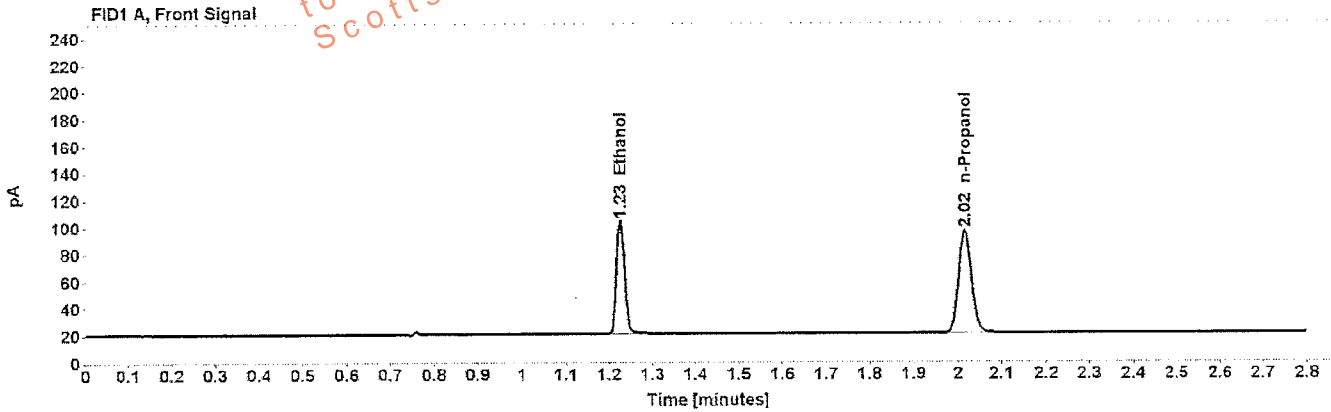


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	108.263
n-Propanol	2.017	156.063

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

Compound	Time (min)	Peak Area
Ethanol	1.327	110.299
n-Propanol	2.345	159.074

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Cerilliant FN11191402	Item number:
Injection date: 7/12/2016 1:51:26 PM	Vial: 4
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\12Jul16 1\4.D	

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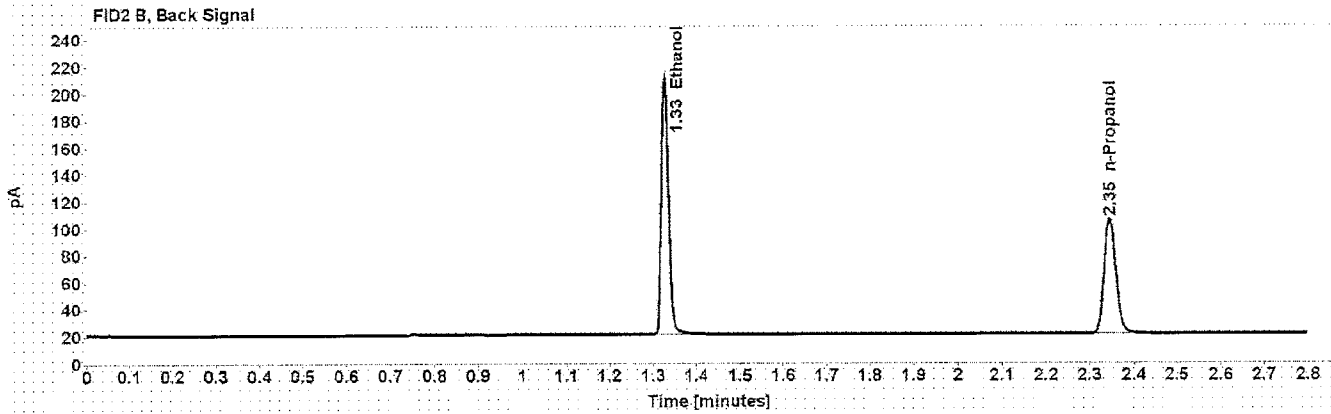
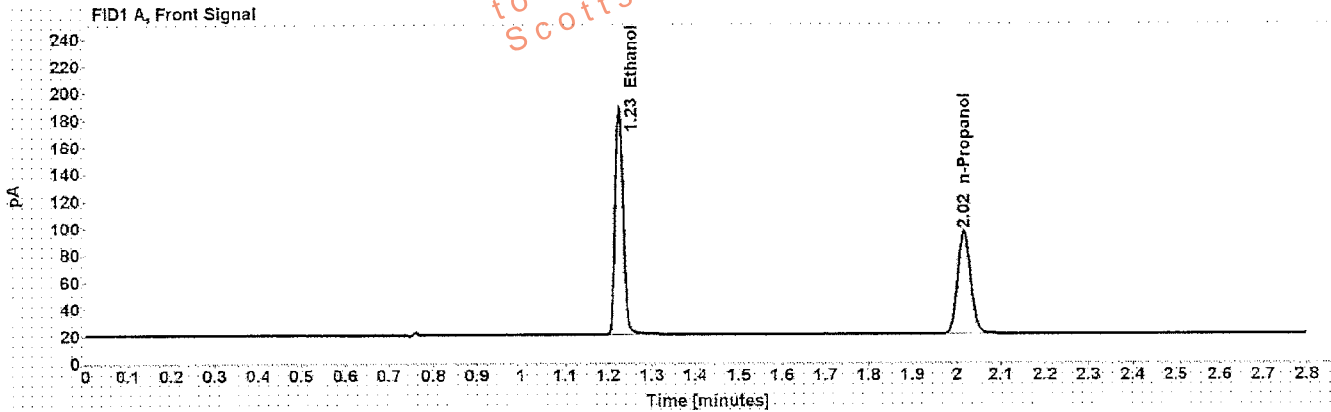


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.226	216.786
n-Propanol	2.017	155.575

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

Compound	Time (min)	Peak Area
Ethanol	1.327	221.759
n-Propanol	2.345	158.708

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 7/12/2016 1:55:26 PM	Vial: 5
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>PL</i>
Data file: C:\Chem3211\Data\12Jul16 1\5.D	

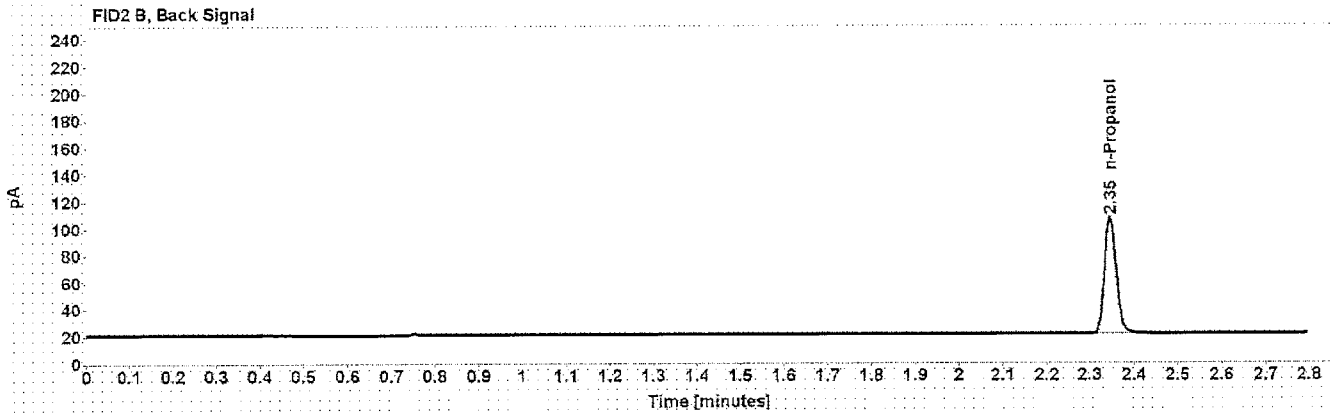
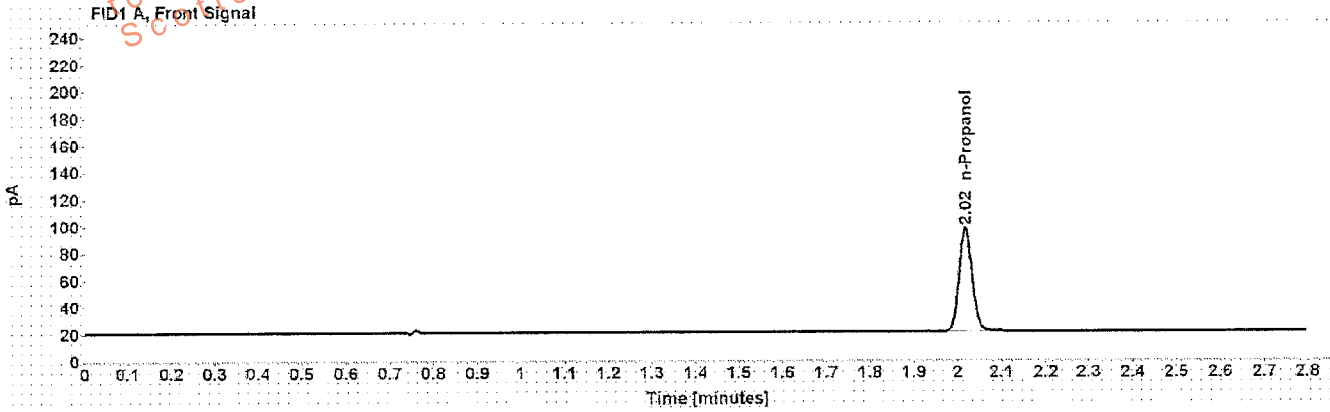


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.018	157.921

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	160.991

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 030916 ASL	Item number:
Injection date: 7/12/2016 1:59:26 PM	Vial: 6
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem321\1\Data\12Jul16 1\6.D	

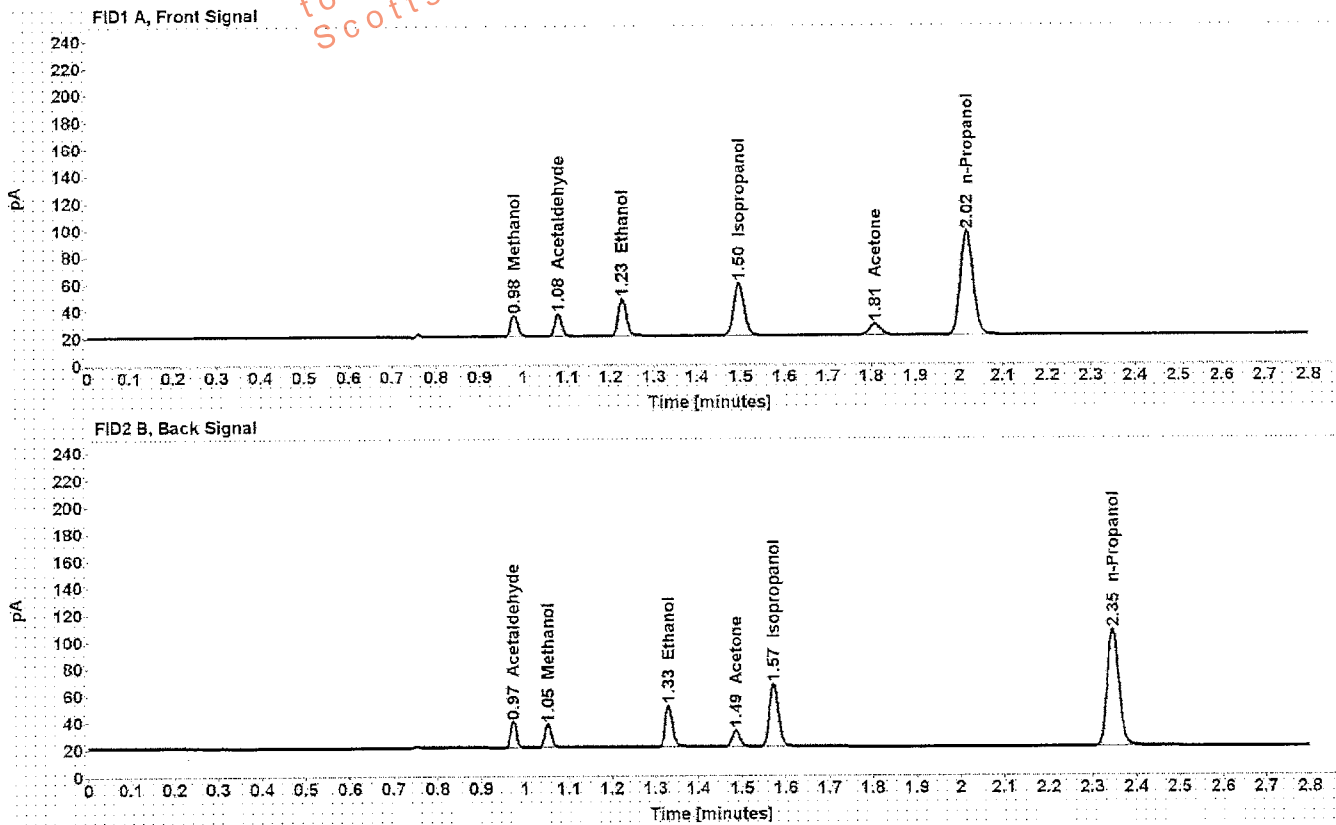


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.979	17.627
Acetaldehyde	-----	1.080	17.853
>Ethanol	0.0659	1.227	35.816
Isopropanol	-----	1.496	64.567
Acetone	-----	1.807	15.315
n-Propanol	-----	2.017	158.073

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	18.529
Methanol	1.052	17.775
Ethanol	1.330	36.300
Acetone	1.485	15.367
Isopropanol	1.572	65.615
n-Propanol	2.346	161.054

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 7/12/2016 2:03:41 PM	Vial: 7
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>PL</i>
Data file: C:\Chem32\1\Data\12Jul16 1\7.D	

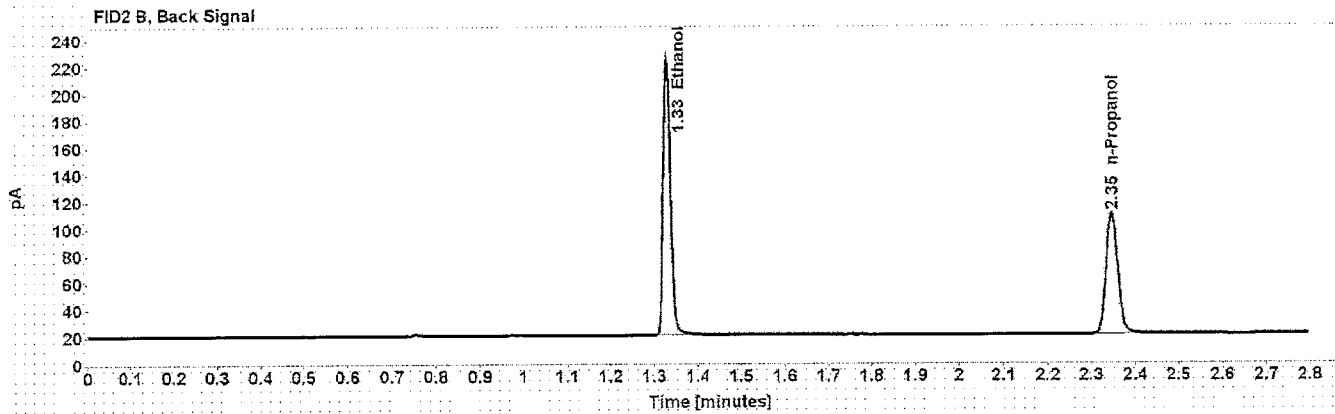
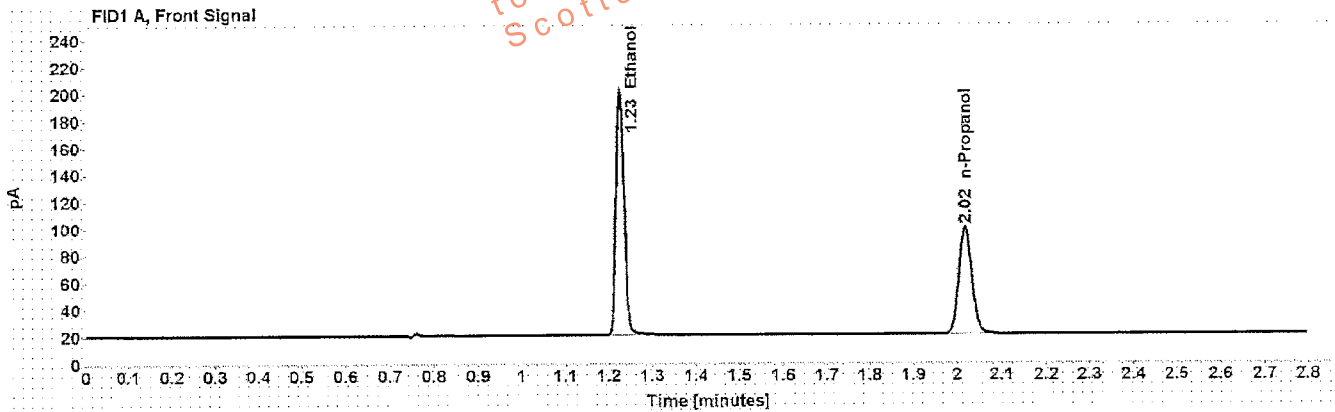


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4088	1.227	232.545
n-Propanol	-----	2.018	163.358

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

Compound	Time (min)	Peak Area
Ethanol	1.329	237.768
n-Propanol	2.347	166.274

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 7/12/2016 2:07:42 PM	Vial: 8
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
Data file: C:\Chem3211\Data\12Jul16 1\8.D	

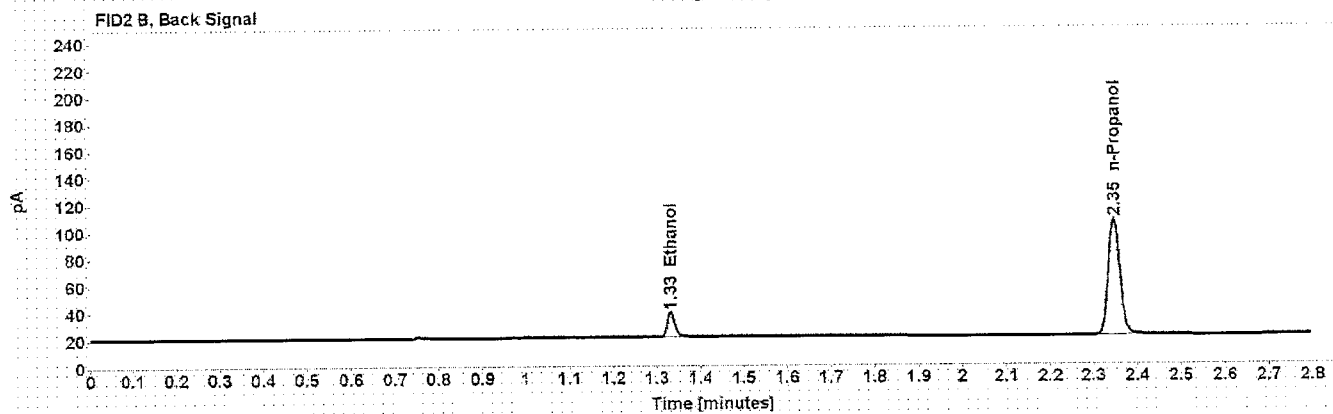
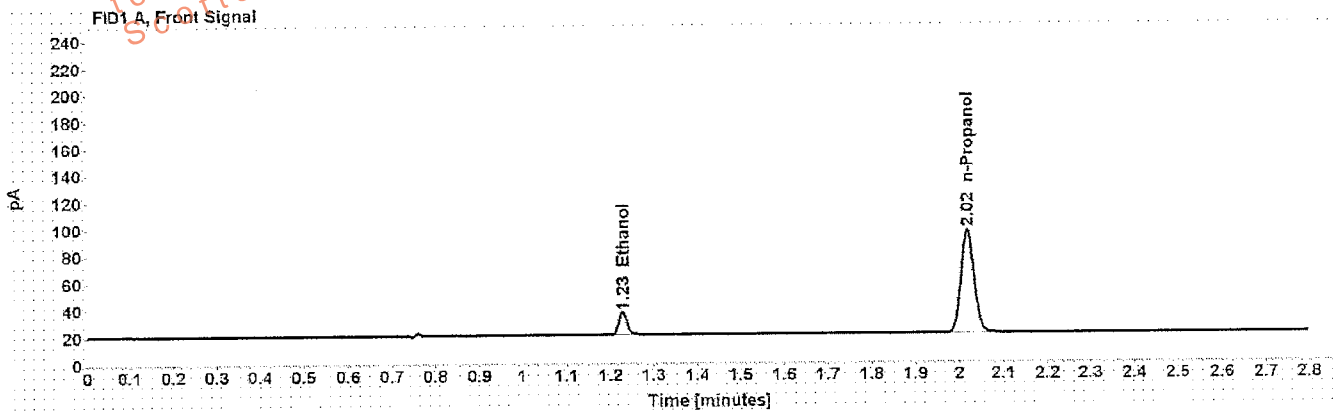


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0402	1.228	21.456
n-Propanol	-----	2.018	156.779

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

Compound	Time (min)	Peak Area
Ethanol	1.331	21.674
n-Propanol	2.347	159.675

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: Blood Control ACQ 402101060/6	Item number:
Injection date: 7/12/2016 2:11:40 PM	Vial: 9
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
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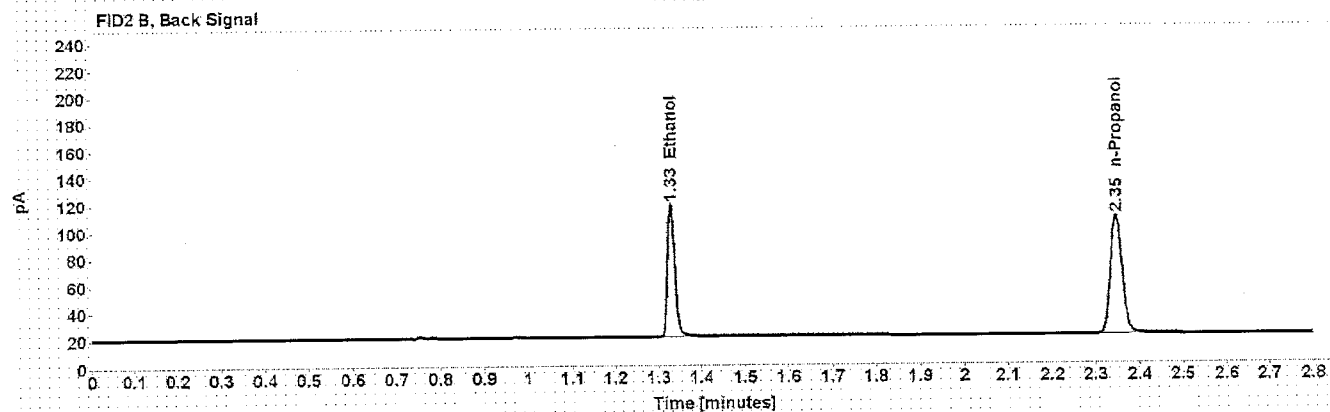
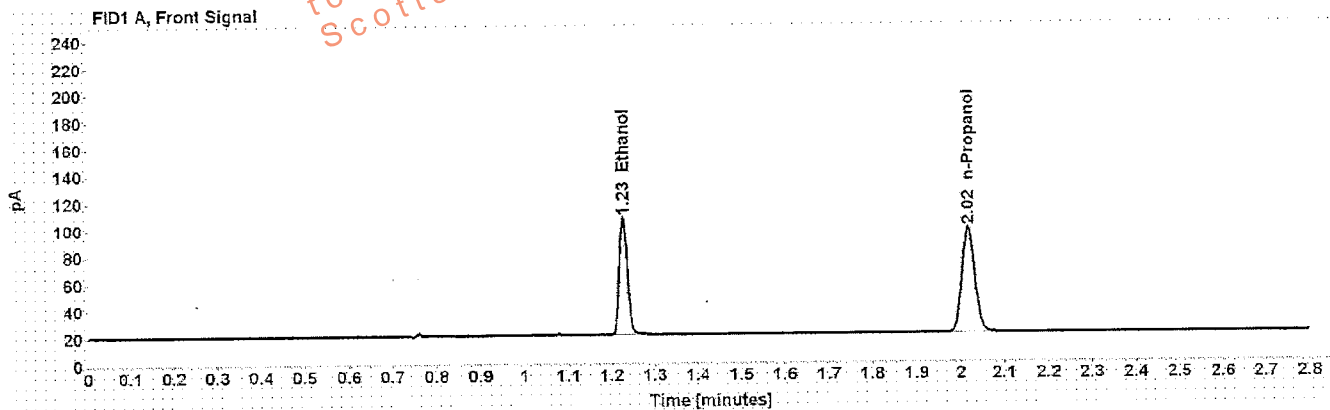


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.227	112.237
n-Propanol	-----	2.018	159.961

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

Compound	Time (min)	Peak Area
Ethanol	1.329	114.229
n-Propanol	2.346	163.356

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 14112011-A	Item number: _____
Injection date: 7/12/2016 2:56:12 PM	Vial: 20
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\12Jul16 1\20.D	

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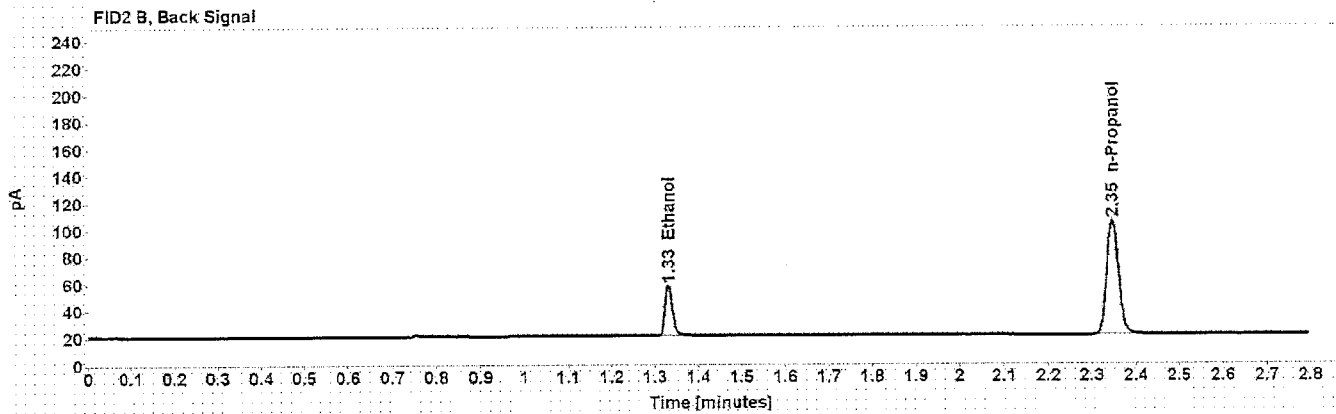
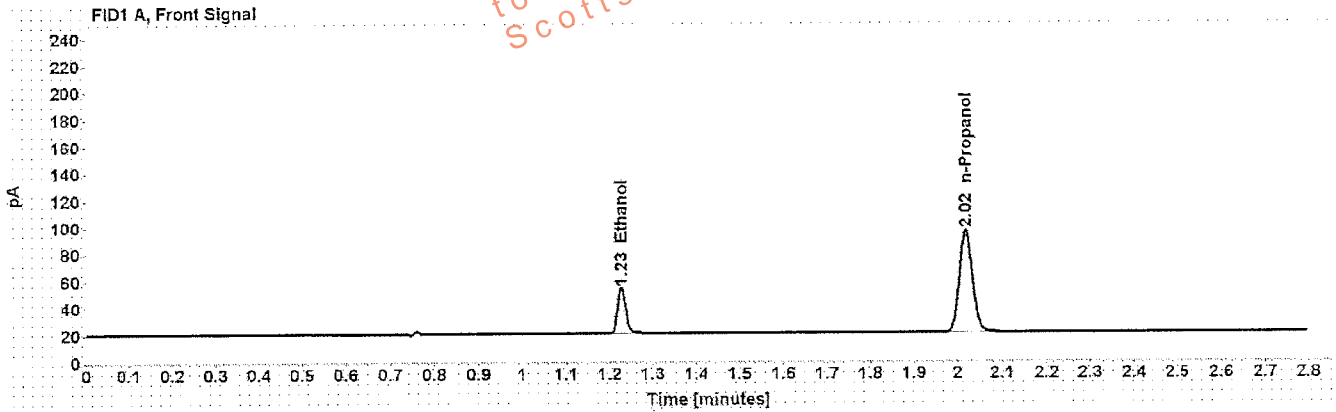


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.228	43.300
n-Propanol	-----	2.018	155.617

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

Compound	Time (min)	Peak Area
Ethanol	1.330	43.798
n-Propanol	2.347	158.580

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 11012012-C	Item number:
Injection date: 7/12/2016 3:40:41 PM	Vial: 31
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>LL</i>
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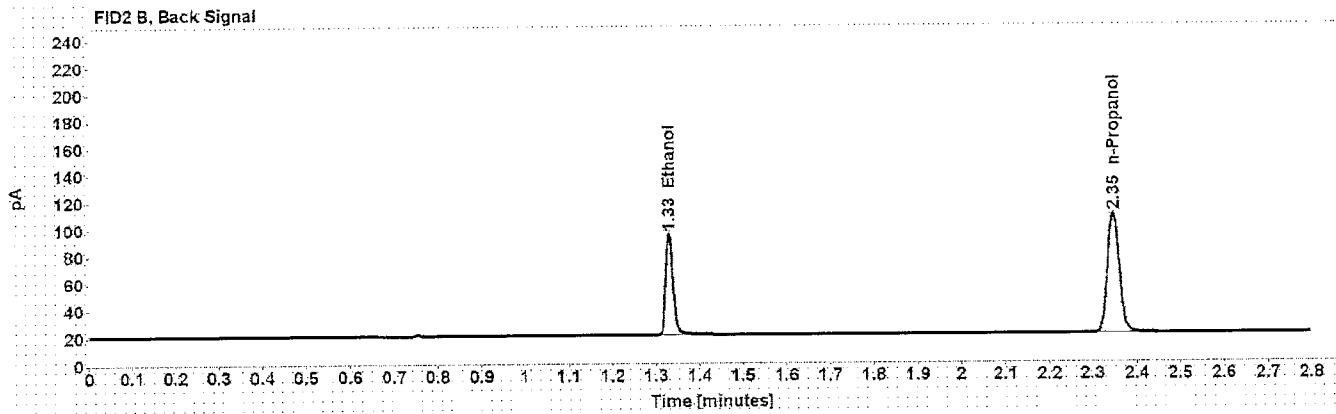
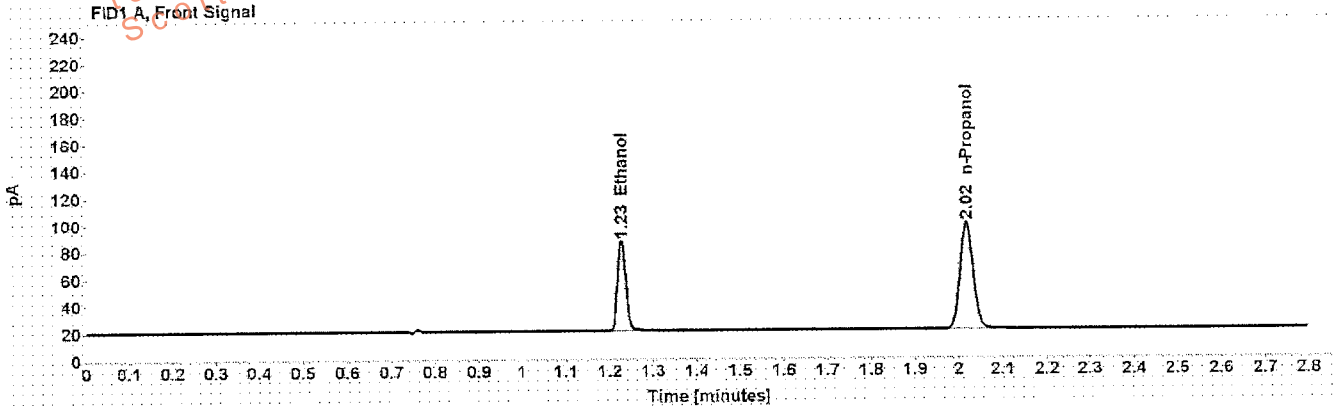


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1530	1.227	86.373
n-Propanol	-----	2.018	162.735

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

Compound	Time (min)	Peak Area
Ethanol	1.330	87.861
n-Propanol	2.347	165.548

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	Blood Control ACQ 402101060/6	Item number:	
Injection date:	7/12/2016 4:24:57 PM	Vial:	42
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023-CN14160045	Analyst:	Langan <i>AL</i>
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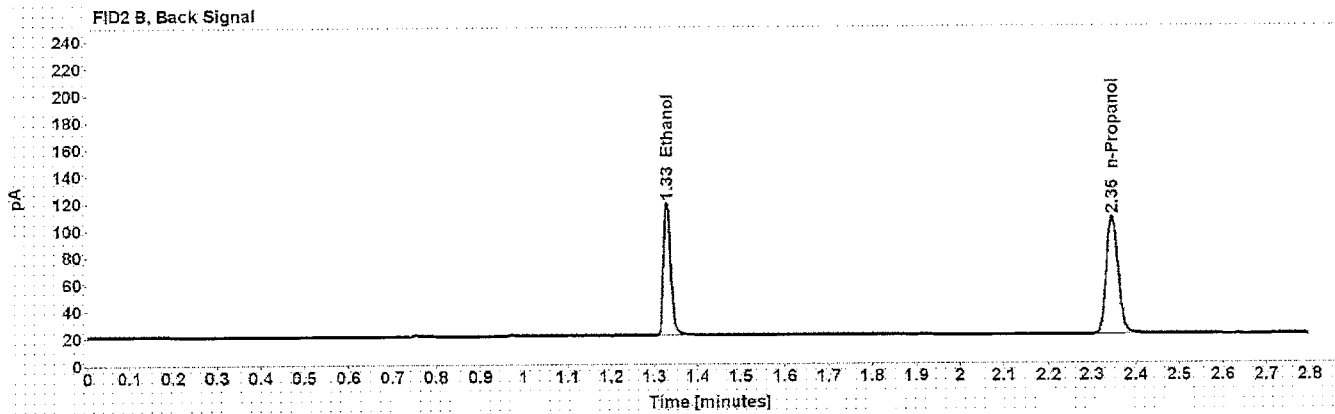
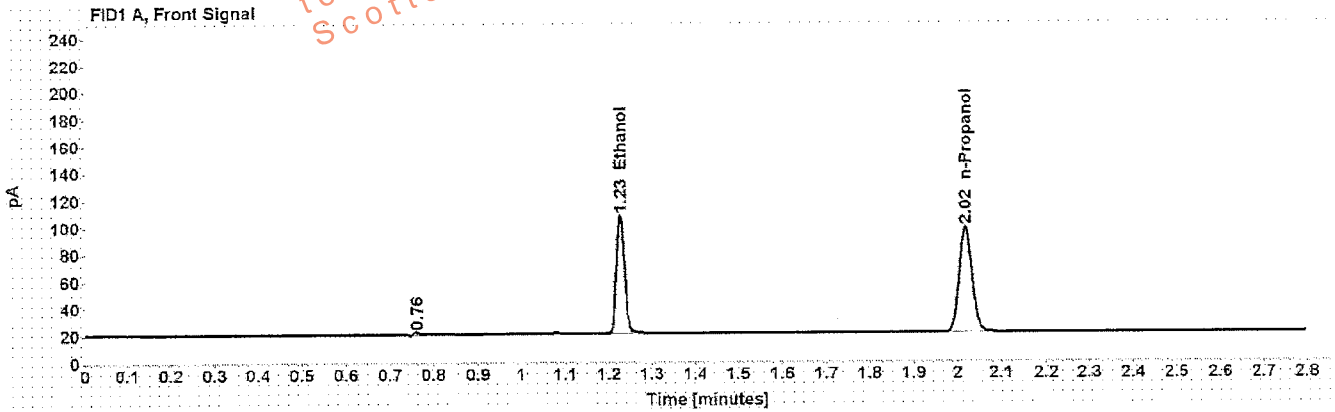


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2037	1.227	112.950
n-Propanol	-----	2.018	159.622

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

Compound	Time (min)	Peak Area
Ethanol	1.329	115.002
n-Propanol	2.347	162.609

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 05012012-C	Item number:
Injection date: 7/12/2016 4:45:10 PM	Vial: 47
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>AD</i>
Data file: C:\Chem32\1\Data\12Jul16 1147.D	

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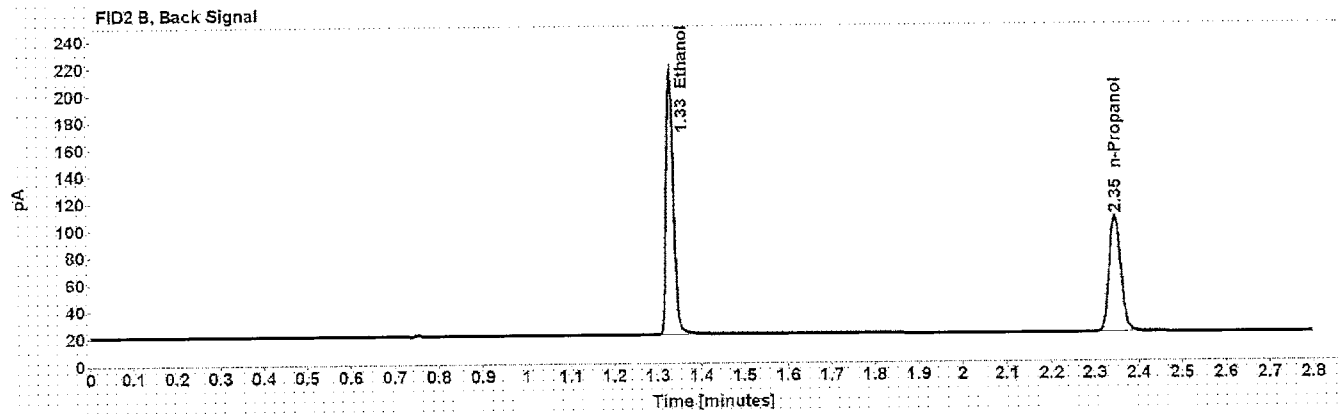
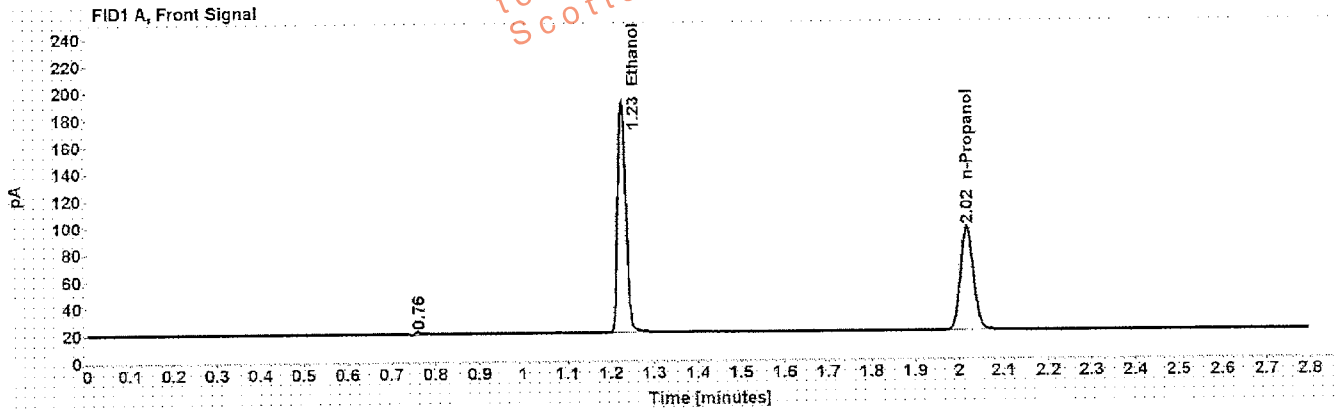


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4028	1.226	221.604
n-Propanol	-----	2.017	158.002

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

Compound	Time (min)	Peak Area
Ethanol	1.328	226.539
n-Propanol	2.346	160.683

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 30112011-B	Item number:
Injection date: 7/12/2016 4:49:12 PM	Vial: 48
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>AL</i>
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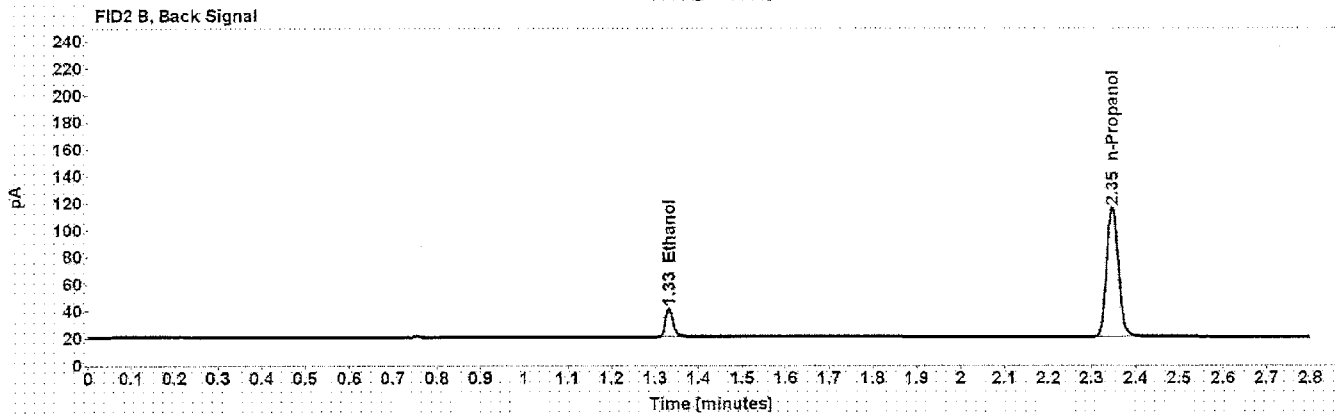
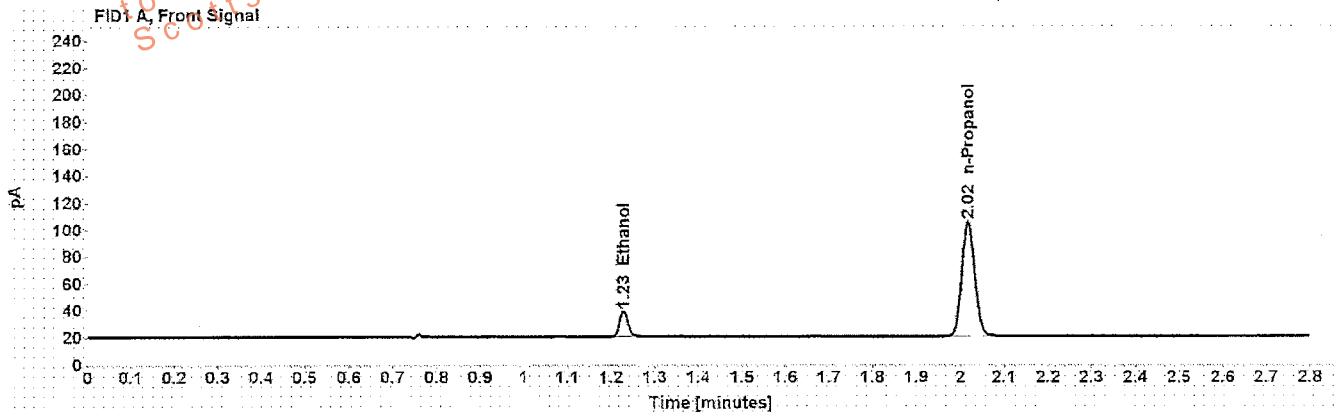


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0413	1.228	24.677
n-Propanol	-----	2.018	175.516

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

Compound	Time (min)	Peak Area
Ethanol	1.331	24.913
n-Propanol	2.347	178.400

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: Blood Control ACQ 402101060/6	Item number:
Injection date: 7/12/2016 4:53:27 PM	Vial: 49
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>LV</i>
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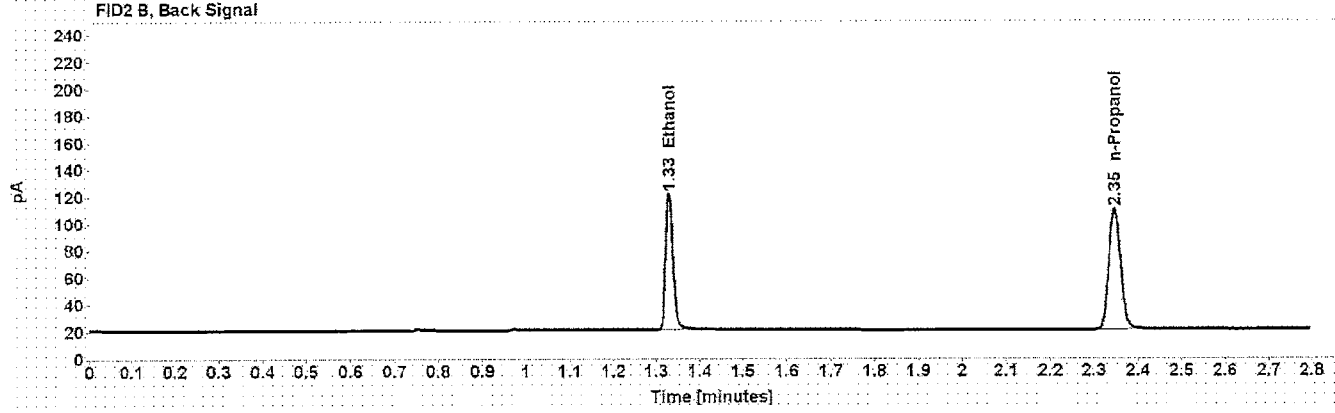
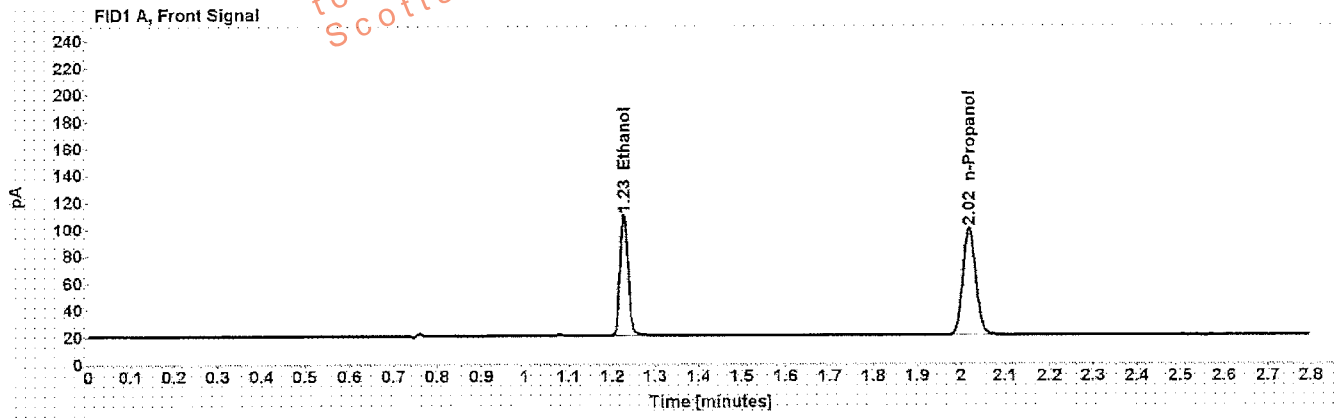


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2041	1.227	115.744
n-Propanol	-----	2.018	163.244

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

Compound	Time (min)	Peak Area
Ethanol	1.329	117.888
n-Propanol	2.347	166.471

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 110215	Item number:
Injection date: 7/12/2016 4:57:26 PM	Vial: 50
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan <i>ML</i>
Data file: C:\Chem32\1\Data\12Jul16 1150.D	

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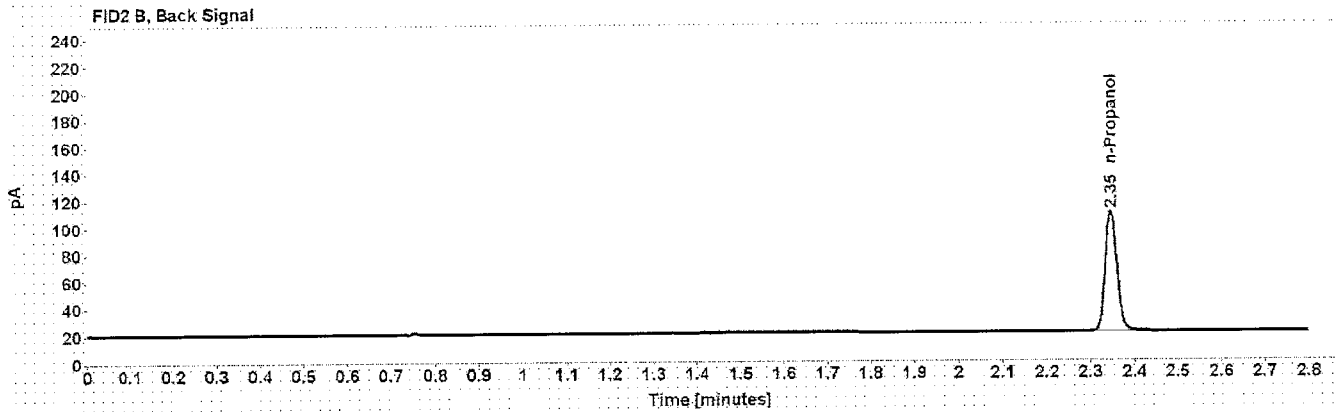
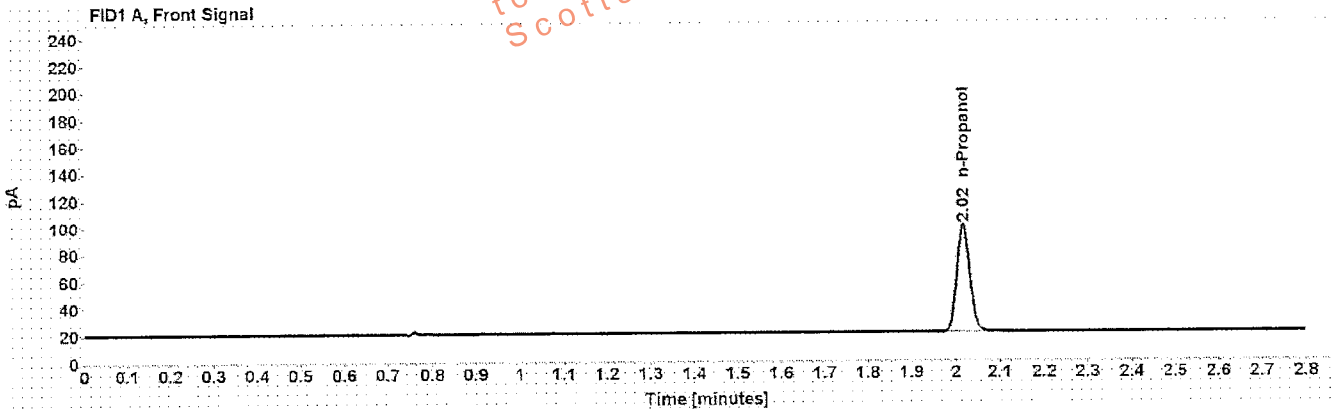


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.018	163.169

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	165.901

Sequence Summary

Sequence name: 12Jul16.1 Instrument: US14173023 CN14160045 Analyst: Langan

Vial	Sample	Type	Item Number	Method
1	0.02 Cerilliant FN08101401	Calibration		ethanol quant.M
2	0.10 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.20 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.40 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 110215	Control		ethanol quant.M
6	volatiles mix 030916 ASL	Control		ethanol quant.M
7	0.40 Lipomed 05012012-C	Control		ethanol quant.M
8	0.04 Lipomed 30112011-B	Control		ethanol quant.M
9	Blood Control ACQ 402101060/6	Control		ethanol quant.M
10	[REDACTED]	Sample	1093785	ethanol quant.M
11	[REDACTED]	Sample	1093785	ethanol quant.M
12	[REDACTED]	Sample	1091851	ethanol quant.M
13	[REDACTED]	Sample	1091851	ethanol quant.M
14	[REDACTED]	Sample	1064798	ethanol quant.M
15	[REDACTED]	Sample	1064798	ethanol quant.M
16	[REDACTED]	Sample	1097470	ethanol quant.M
17	[REDACTED]	Sample	1097470	ethanol quant.M
18	[REDACTED]	Sample	1096212	ethanol quant.M
19	[REDACTED]	Sample	1096212	ethanol quant.M
20	0.080 Lipomed 14112011-A	Control		ethanol quant.M
21	[REDACTED]	Sample	1087948	ethanol quant.M
22	[REDACTED]	Sample	1087948	ethanol quant.M
23	[REDACTED]	Sample	1089121	ethanol quant.M
24	[REDACTED]	Sample	1089121	ethanol quant.M
25	[REDACTED]	Sample	1091571	ethanol quant.M
26	[REDACTED]	Sample	1091571	ethanol quant.M
27	[REDACTED]	Sample	1091845	ethanol quant.M
28	[REDACTED]	Sample	1091845	ethanol quant.M
29	[REDACTED]	Sample	1091875	ethanol quant.M
30	[REDACTED]	Sample	1091875	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32	[REDACTED]	Sample	1092088	ethanol quant.M
33	[REDACTED]	Sample	1092088	ethanol quant.M
34	[REDACTED]	Sample	1092108	ethanol quant.M
35	[REDACTED]	Sample	1092108	ethanol quant.M
36	[REDACTED]	Sample	1092304	ethanol quant.M
37	[REDACTED]	Sample	1092304	ethanol quant.M
38	[REDACTED]	Sample	1093670	ethanol quant.M
39	[REDACTED]	Sample	1093670	ethanol quant.M
40	[REDACTED]	Sample	1094502	ethanol quant.M
41	[REDACTED]	Sample	1094502	ethanol quant.M
42	Blood Control ACQ 402101060/6	Control		ethanol quant.M
43	[REDACTED]	Sample	1094625	ethanol quant.M
44	[REDACTED]	Sample	1094625	ethanol quant.M
45	[REDACTED]	Sample	1094968	ethanol quant.M
46	[REDACTED]	Sample	1094968	ethanol quant.M
47	0.40 Lipomed 05012012-C	Control		ethanol quant.M

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Sequence Summary

48	0.04 Lipomed 30112011-B	Control	ethanol quant.M
49	Blood Control ACQ 402101060/6	Control	ethanol quant.M
50	blank 110215	Control	ethanol quant.M

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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 4 -01093785
Injection date: 7/12/2016 2:15:41 PM	Vial: 10
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\12Jul16 1\110.D	

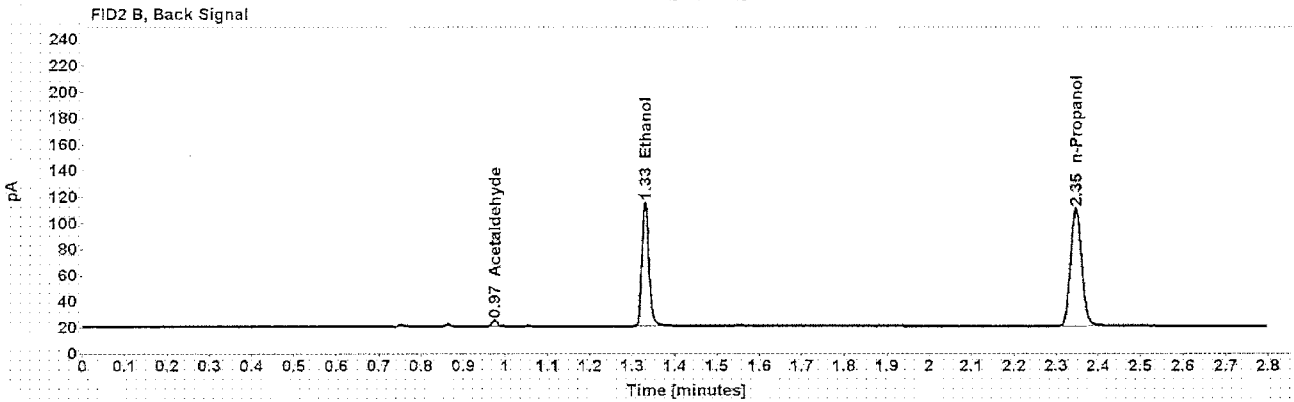
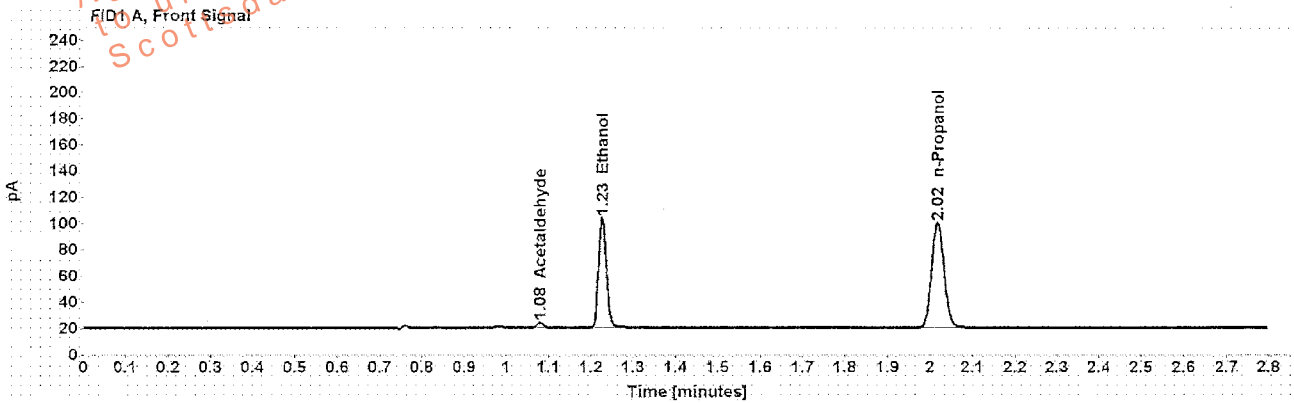


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.096
>Ethanol	0.1907	1.227	108.550
n-Propanol	-----	2.018	163.937

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.248
Ethanol	1.329	110.482
n-Propanol	2.347	167.408

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 01093785
Injection date: 7/12/2016 2:19:41 PM	Vial: 11
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
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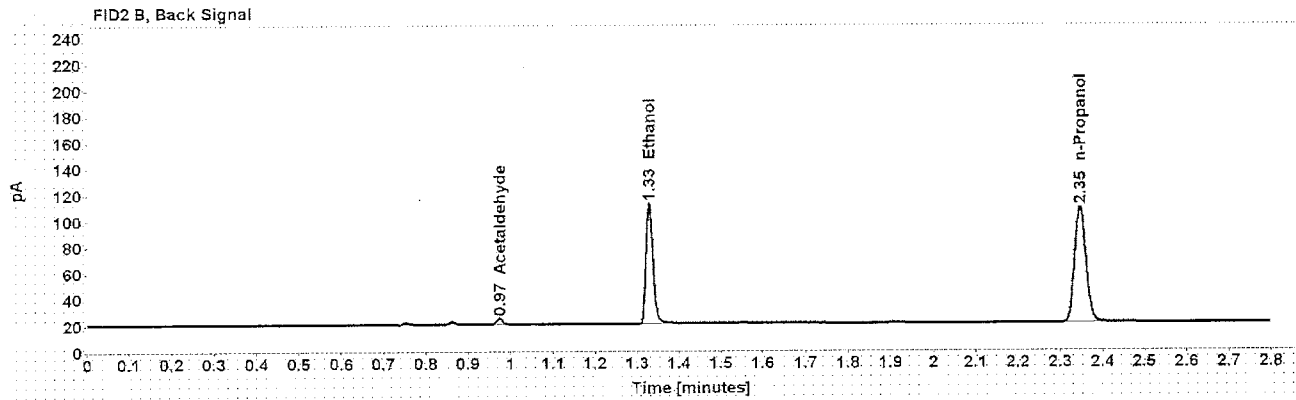
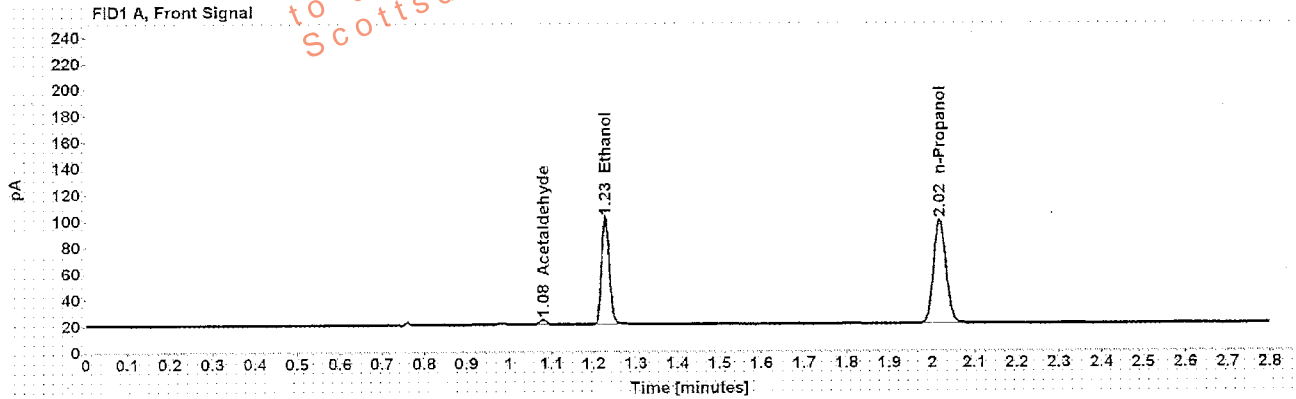


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.073
>Ethanol	0.1887	1.227	105.669
n-Propanol	-----	2.018	161.259

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.249
Ethanol	1.329	107.466
n-Propanol	2.347	164.679

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:		Item number:	1091851
Injection date:	7/12/2016 2:23:40 PM	Vial:	12
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\12Jul16 1\12.D		

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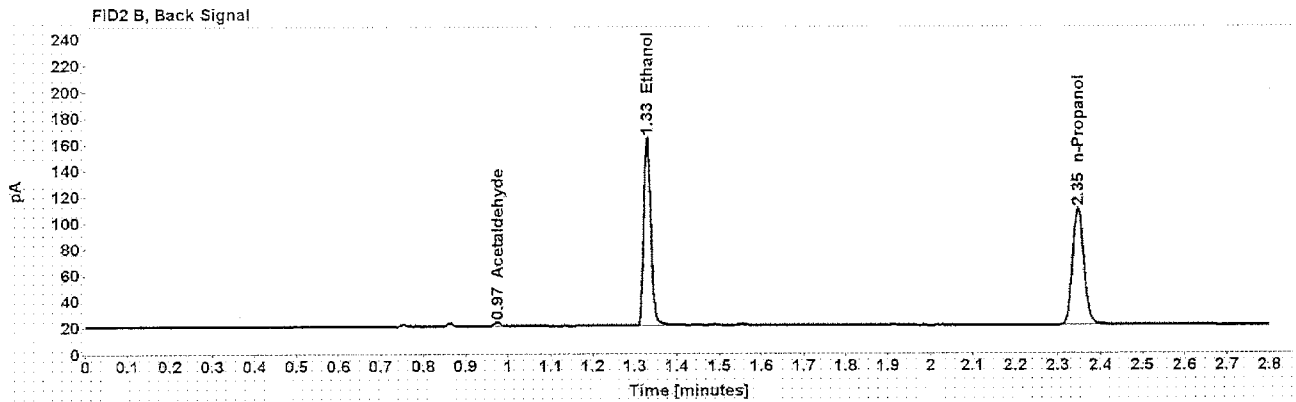
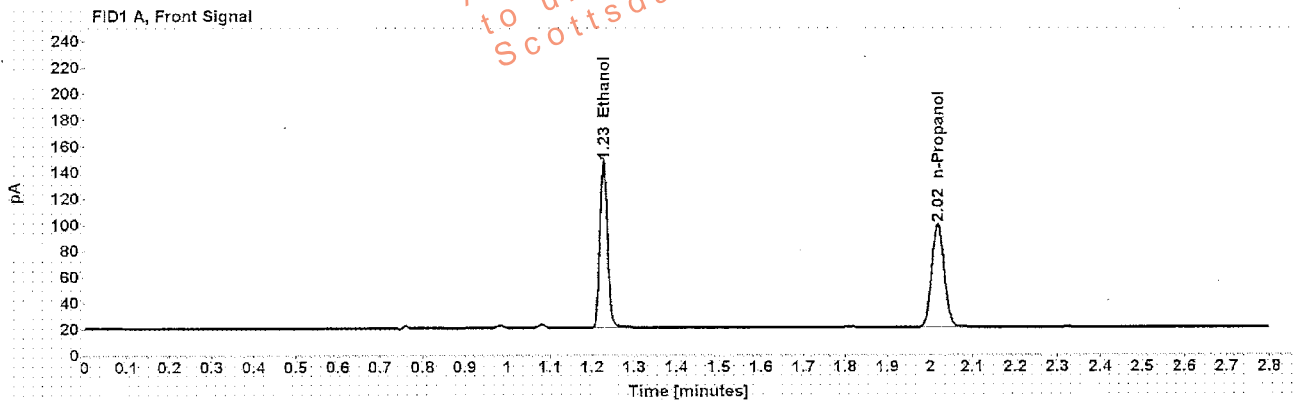


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2918	1.227	164.482
n-Propanol	-----	2.018	162.014

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.912
Ethanol	1.329	167.560
n-Propanol	2.347	165.563

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1064798
Injection date:	7/12/2016 2:31:57 PM	Vial:	14
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\12Jul16 1\14.D		

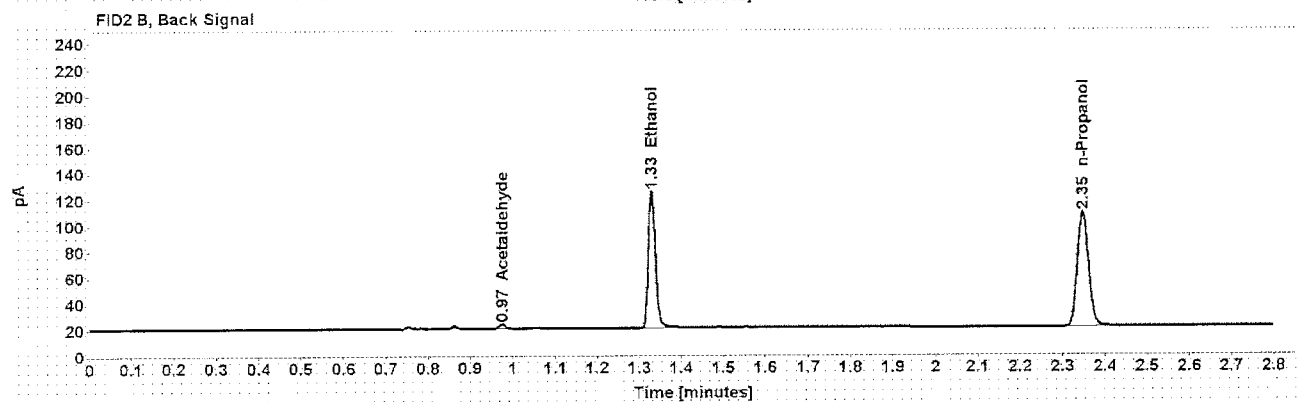
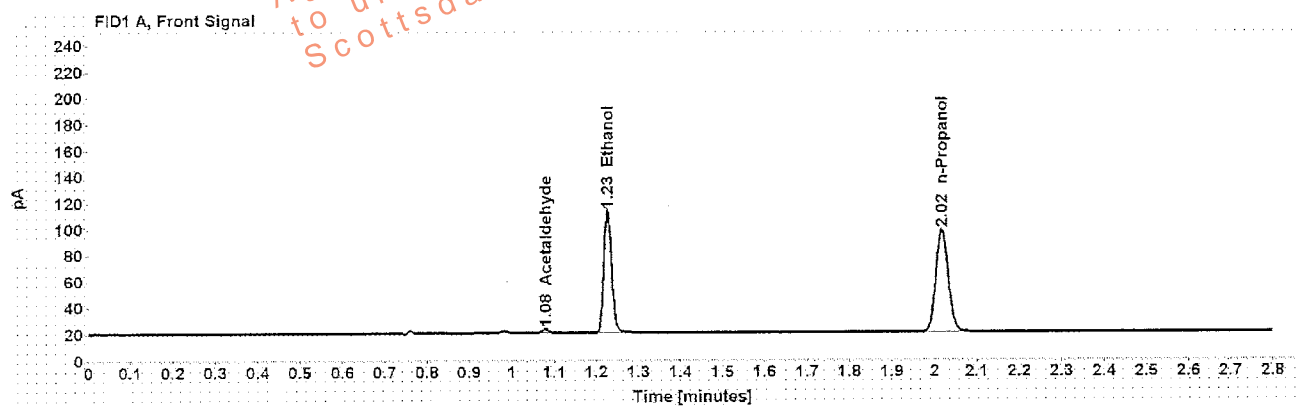


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.007
>Ethanol	0.2171	1.227	120.332
n-Propanol	-----	2.018	159.535

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.165
Ethanol	1.329	122.640
n-Propanol	2.347	163.054

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1064798
Injection date: 7/12/2016 2:35:55 PM	Vial: 15
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\12Jul16\115.D	

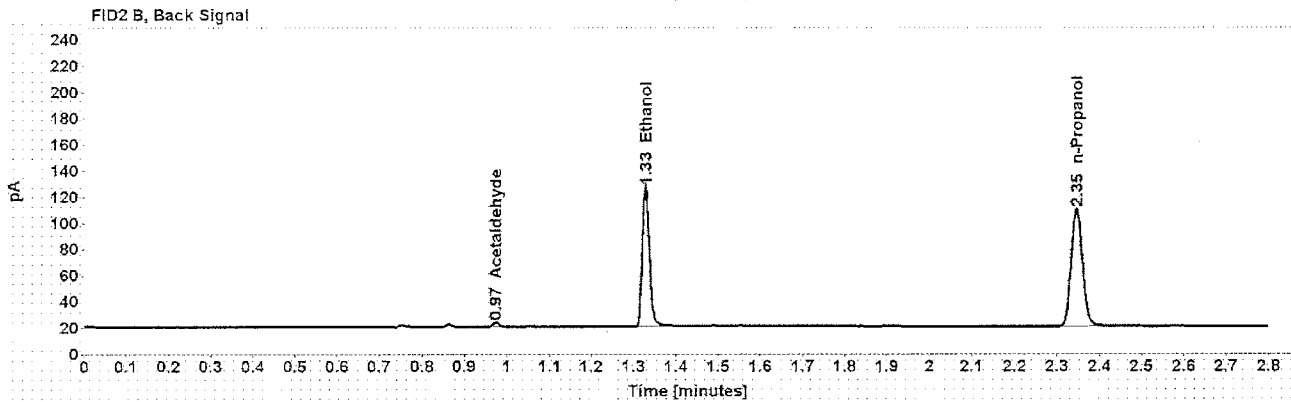
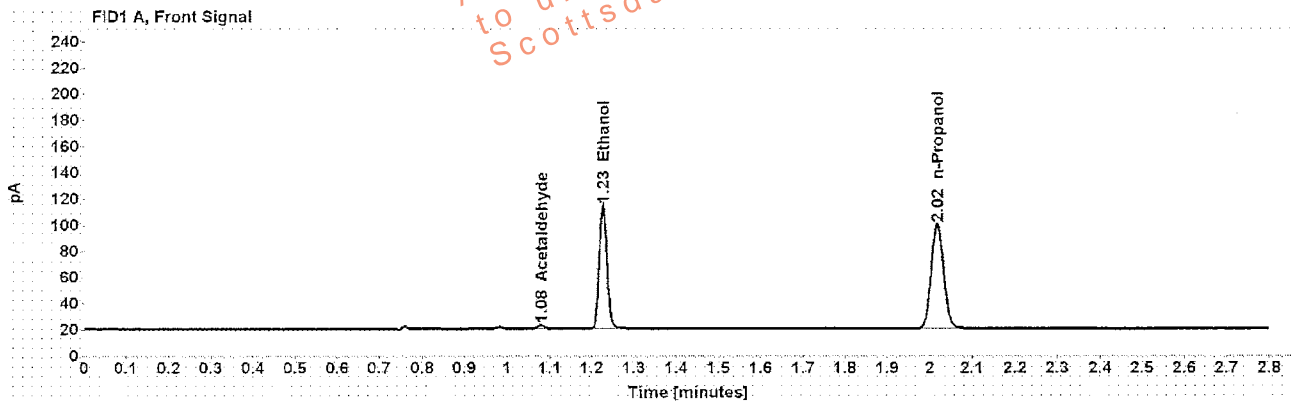


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.025
>Ethanol	0.2158	1.226	122.318
n-Propanol	-----	2.017	163.132

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.213
Ethanol	1.328	124.453
n-Propanol	2.346	166.822

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1097470
Injection date: 7/12/2016 2:43:57 PM	Vial: 17
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1>Data\12Jul16 1\17.D	

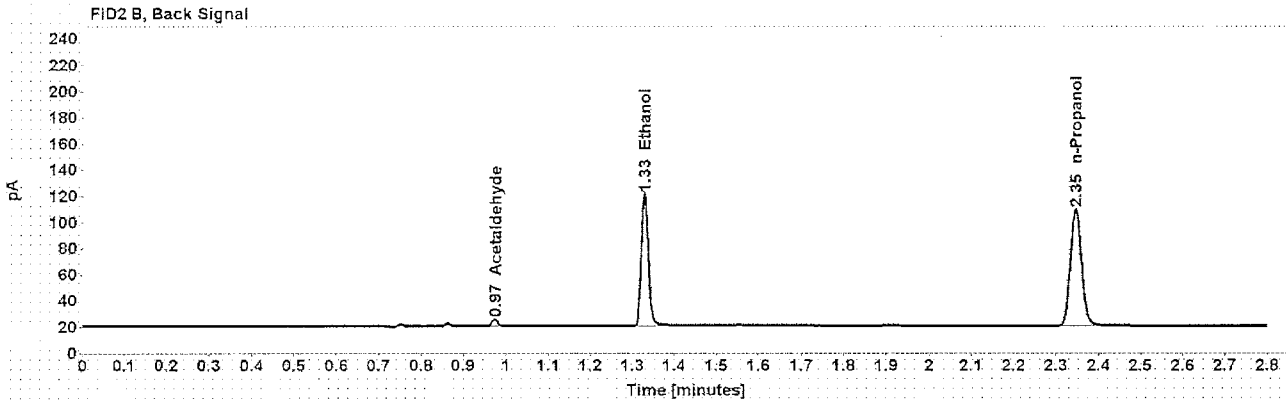
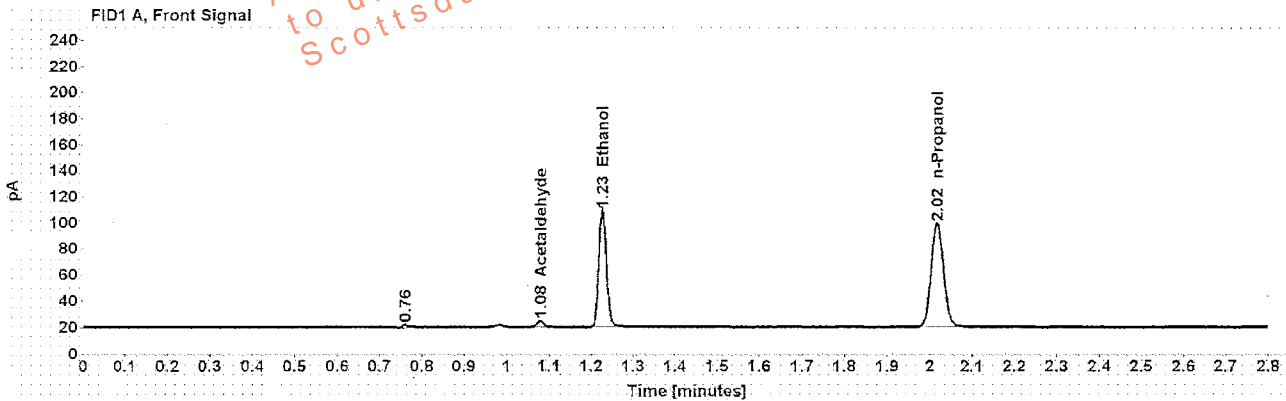


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.796
>Ethanol	0.2049	1.227	115.492
n-Propanol	-----	2.017	162.263

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.997
Ethanol	1.329	117.710
n-Propanol	2.346	165.912

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1096212
Injection date:	7/12/2016 2:47:56 PM	Vial:	18
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\12Jul16 1\18.D		

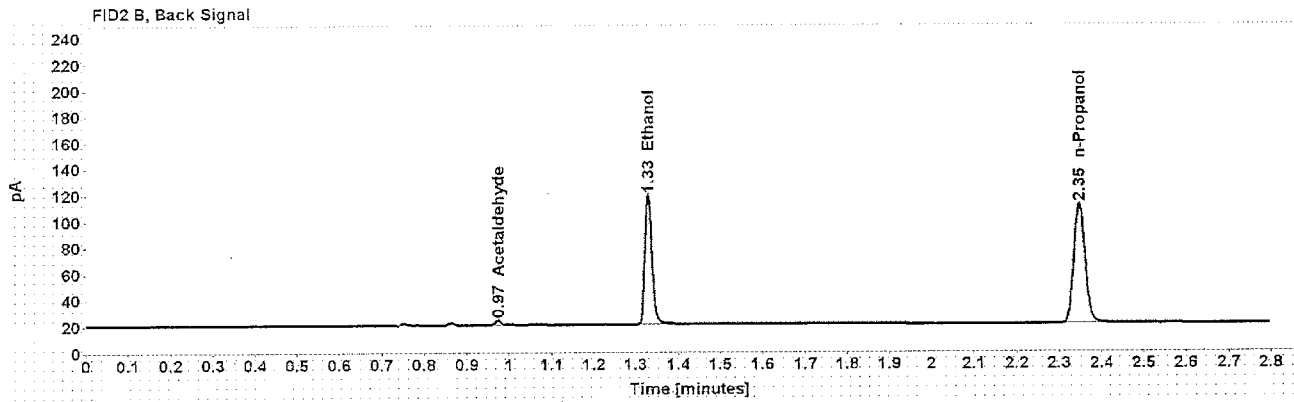
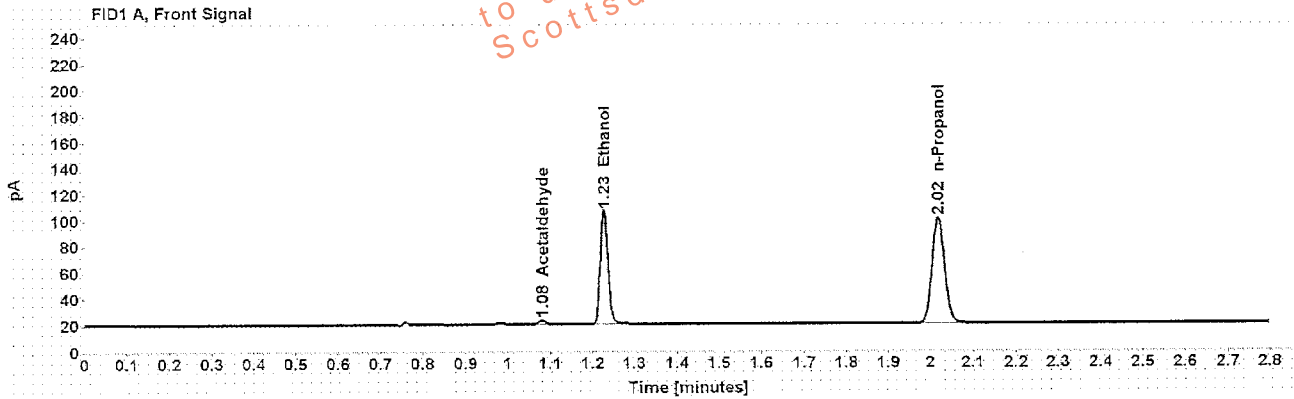


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.131
>Ethanol	0.1954	1.227	112.840
n-Propanol	-----	2.018	166.243

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.284
Ethanol	1.330	115.006
n-Propanol	2.347	169.245

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1096212
Injection date: 7/12/2016 2:52:11 PM	Vial: 19
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14123023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\12Jul16 1\19.D	

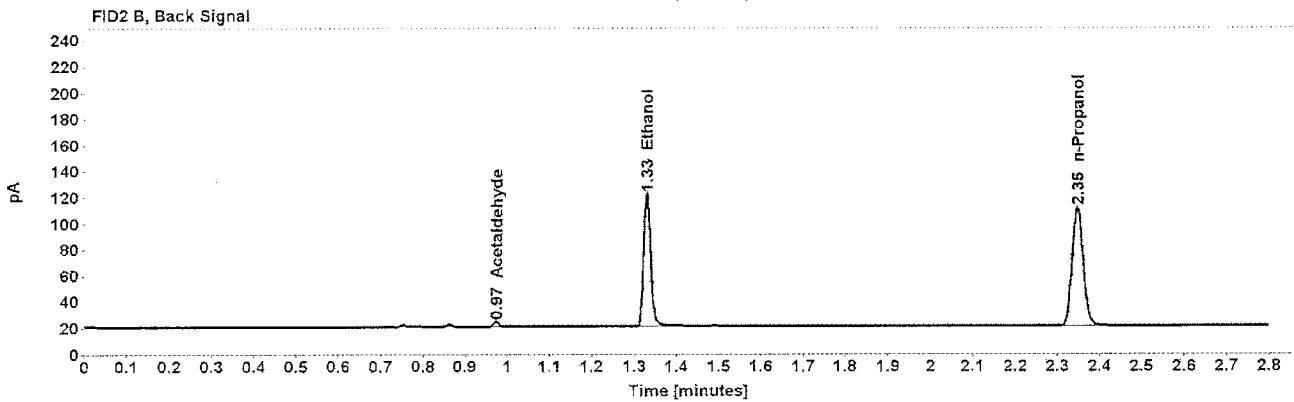
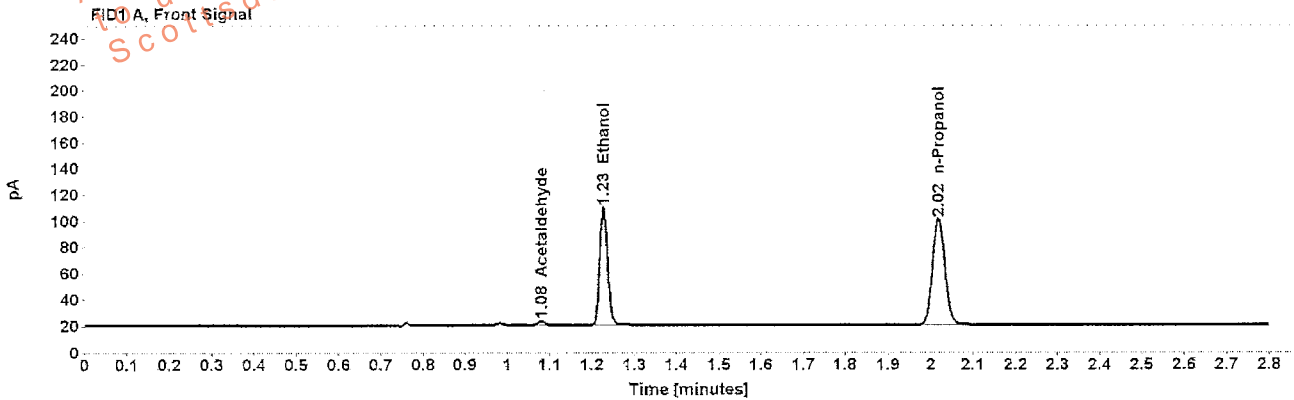


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.422
>Ethanol	0.2022	1.227	116.262
n-Propanol	-----	2.018	165.511

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.630
Ethanol	1.330	118.605
n-Propanol	2.347	168.632

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1087948
Injection date:	7/12/2016 3:00:11 PM	Vial:	21
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11Data\12Jul16 1\21.D		

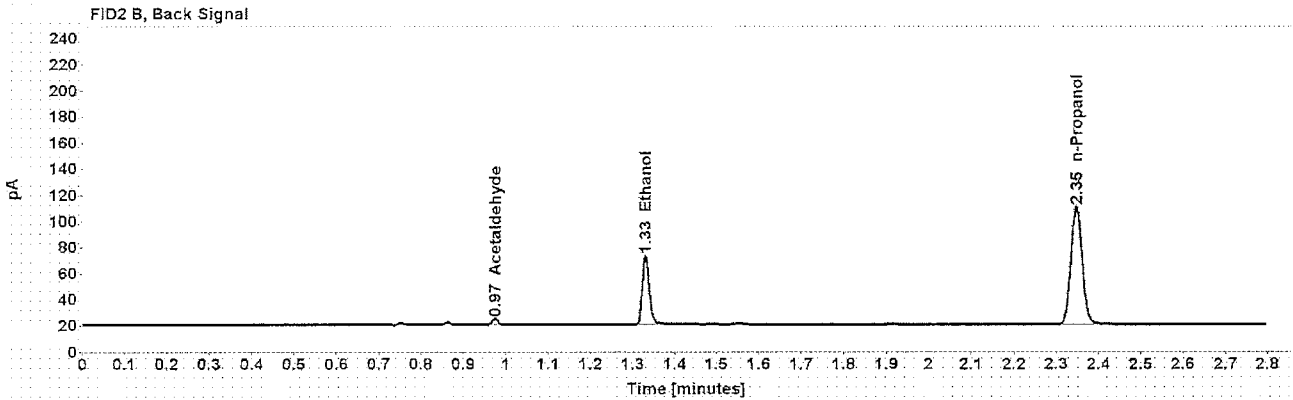
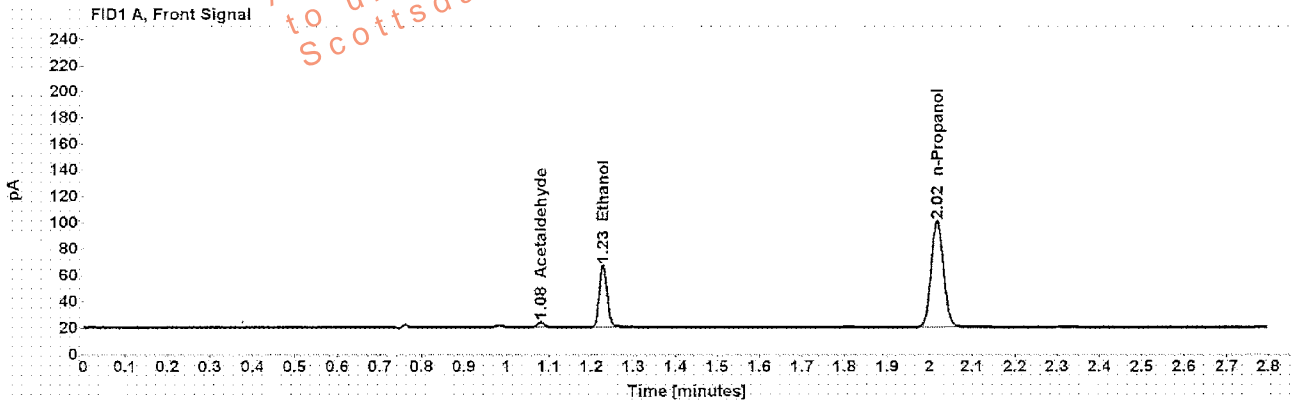


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.140
>Ethanol	0.1065	1.228	60.766
n-Propanol	-----	2.018	165.024

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.298
Ethanol	1.330	61.409
n-Propanol	2.347	168.454

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1087948
Injection date:	7/12/2016 3:04:11 PM	Vial:	22
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\Data\12Jul16\122.D		

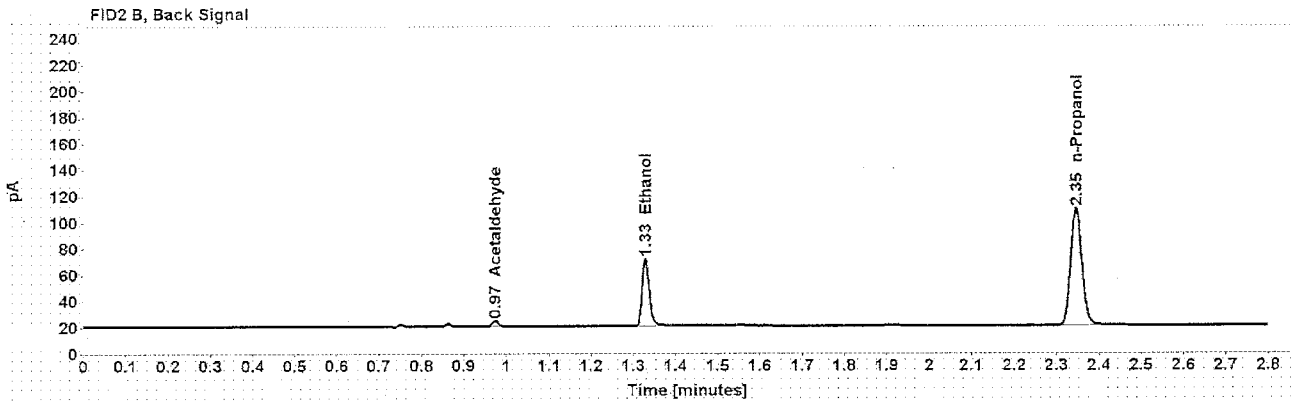
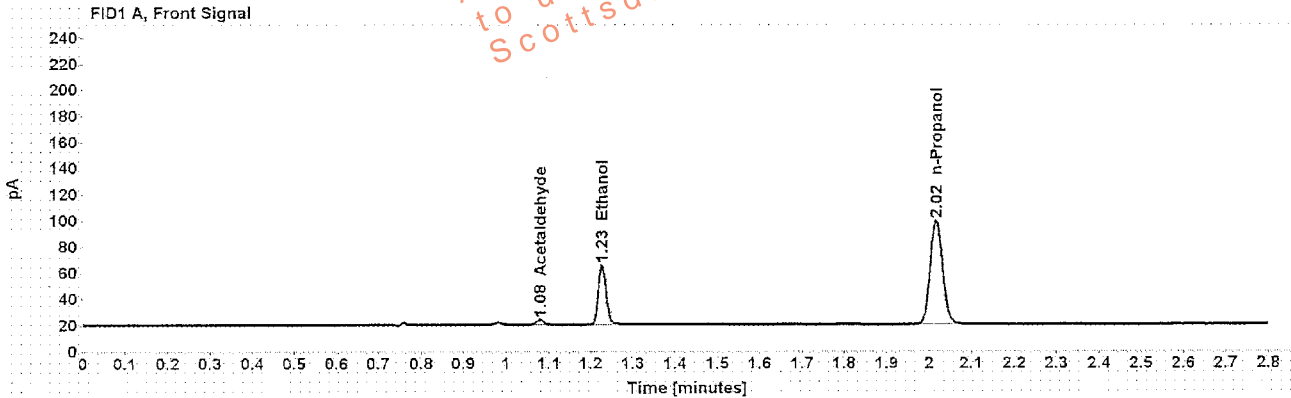


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.052
>Ethanol	0.1052	1.227	59.141
n-Propanol	-----	2.017	162.587

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.292
Ethanol	1.329	60.019
n-Propanol	2.346	166.158

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1089121
Injection date: 7/12/2016 3:08:12 PM	Vial: 23
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16_1\23.D	

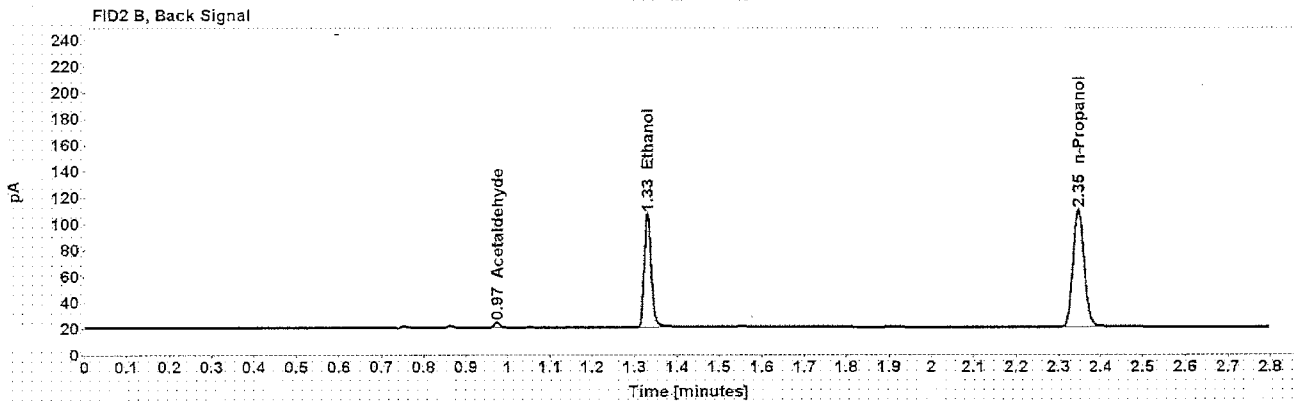
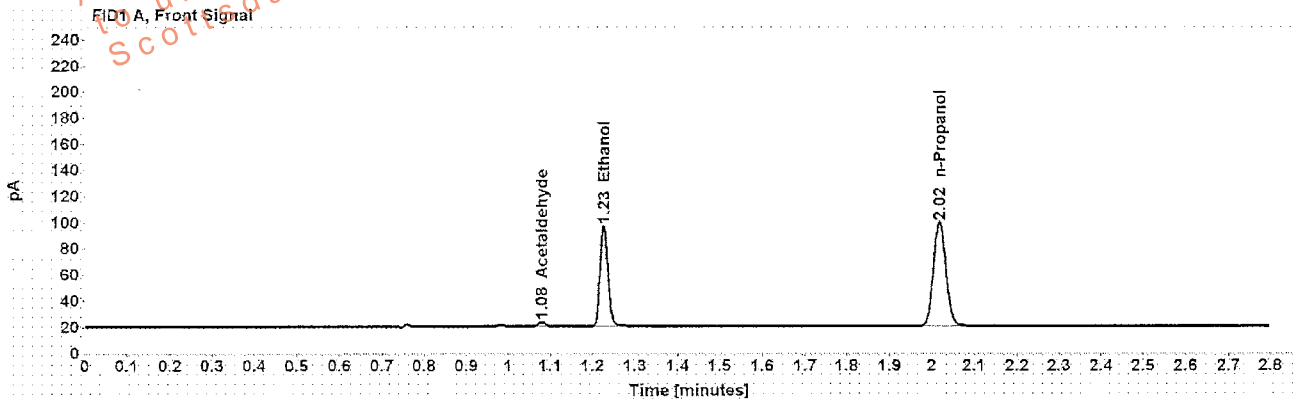


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.606
>Ethanol	0.1757	1.227	99.255
n-Propanol	-----	2.018	162.731

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.714
Ethanol	1.329	101.163
n-Propanol	2.347	166.383

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1089121
Injection date: 7/12/2016 3:12:11 PM	Vial: 24
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\12Jul16 1\24.D	

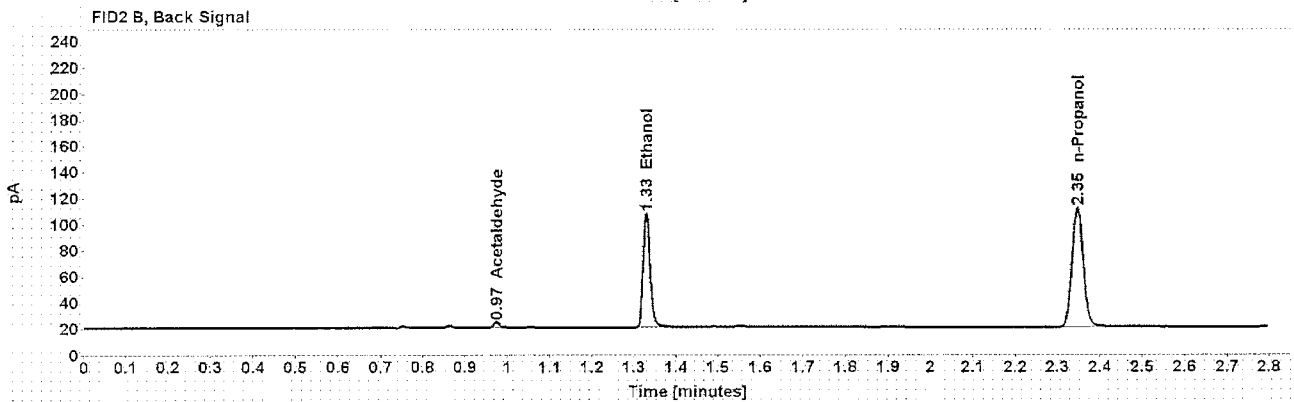
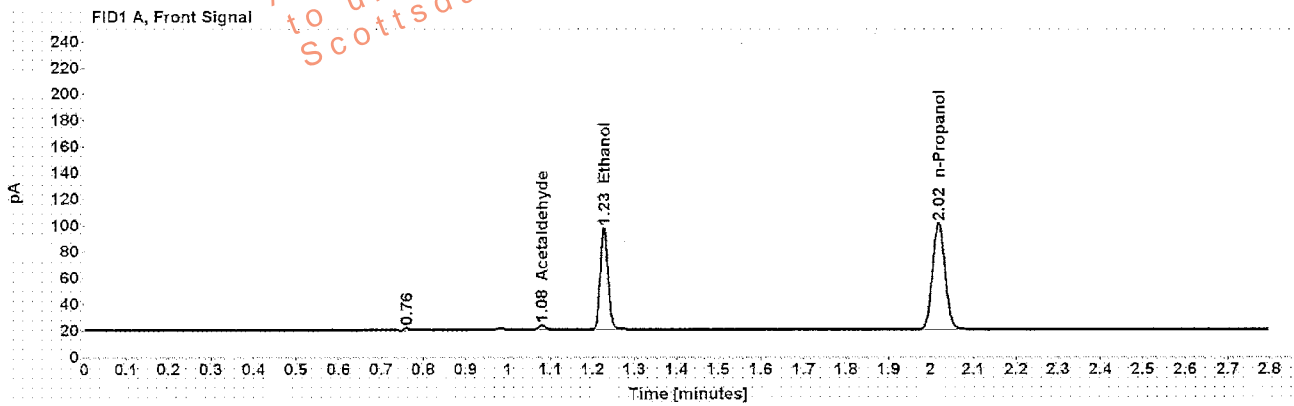


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.730
>Ethanol	0.1740	1.227	100.420
n-Propanol	-----	2.018	166.291

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.895
Ethanol	1.329	102.315
n-Propanol	2.347	170.010

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1091671
Injection date:	7/12/2016 3:16:26 PM	Vial:	25
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
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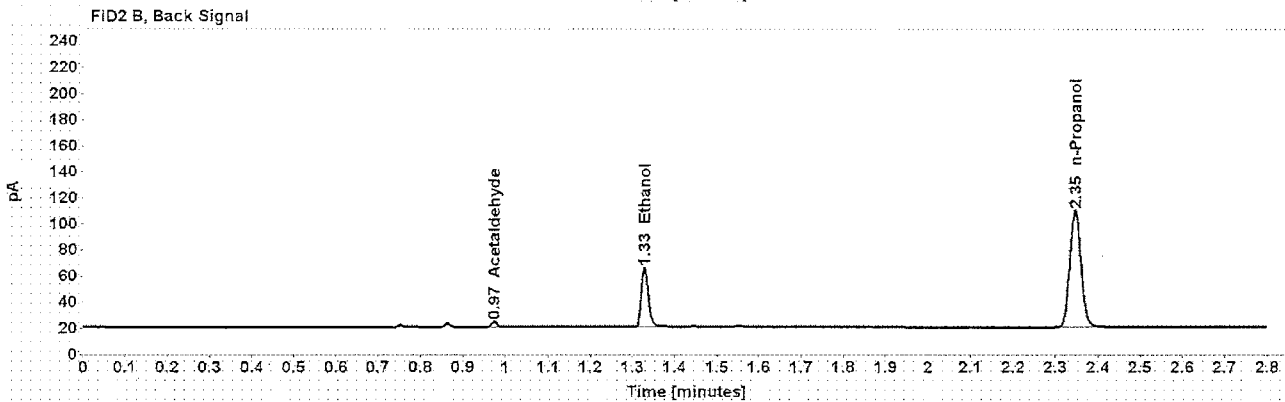
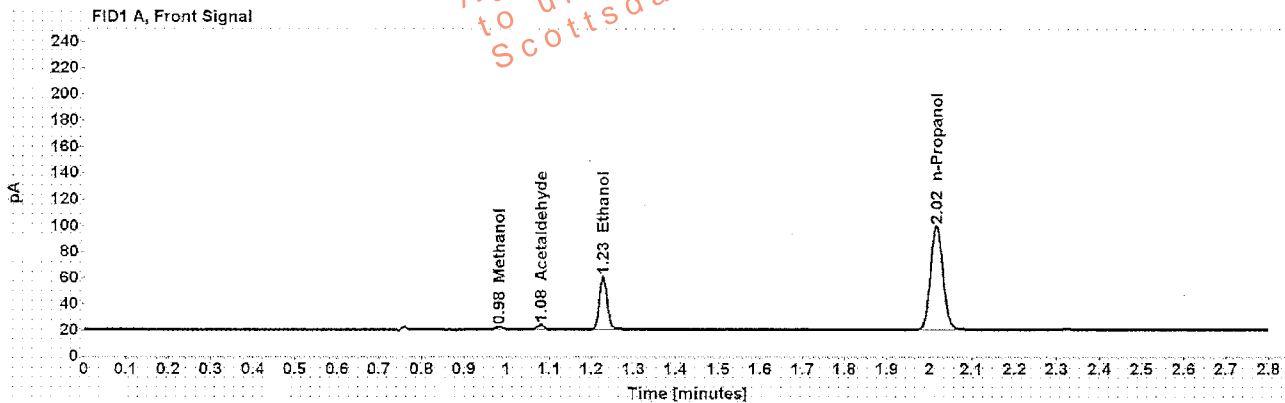


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.982	2.918
Acetaldehyde	-----	1.080	3.811
>Ethanol	0.0931	1.227	52.175
n-Propanol	-----	2.017	162.303

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.061
Ethanol	1.329	53.135
n-Propanol	2.346	165.853

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1091571
Injection date: 7/12/2016 3:20:26 PM	Vial: 26
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
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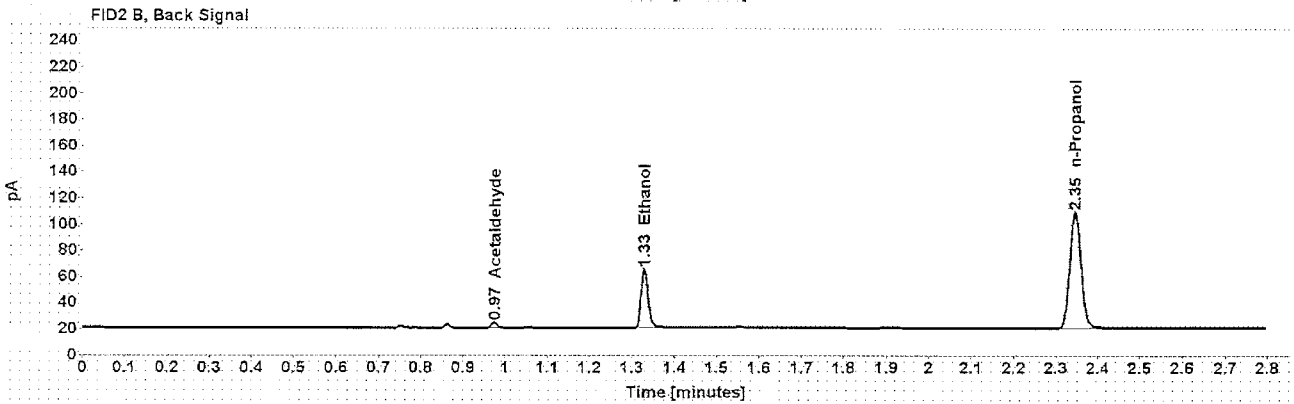
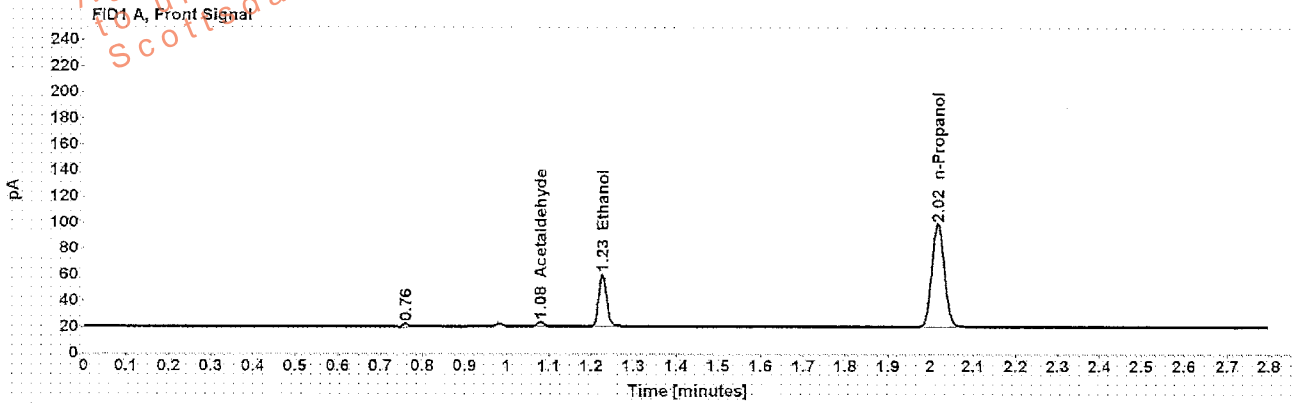


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.798
>Ethanol	0.0925	1.227	51.713
n-Propanol	-----	2.017	161.908

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.045
Ethanol	1.329	52.292
n-Propanol	2.345	165.436

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1091845
 Injection date: 7/12/2016 3:24:26 PM Vial: 27
 Method: ethanol quant.M Sequence: 12Jul16 1
 Instrument: US14173023 CN14160045 Analyst: Langan
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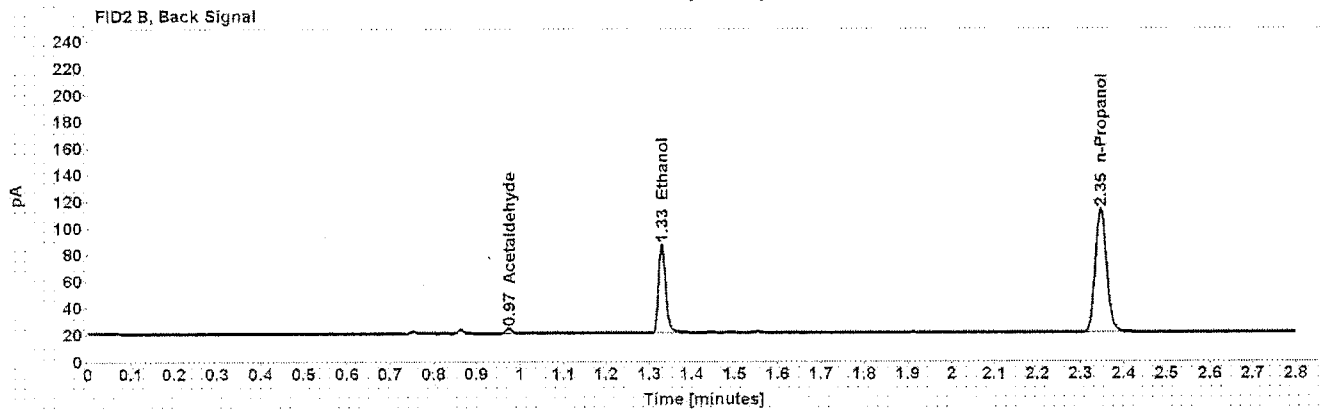
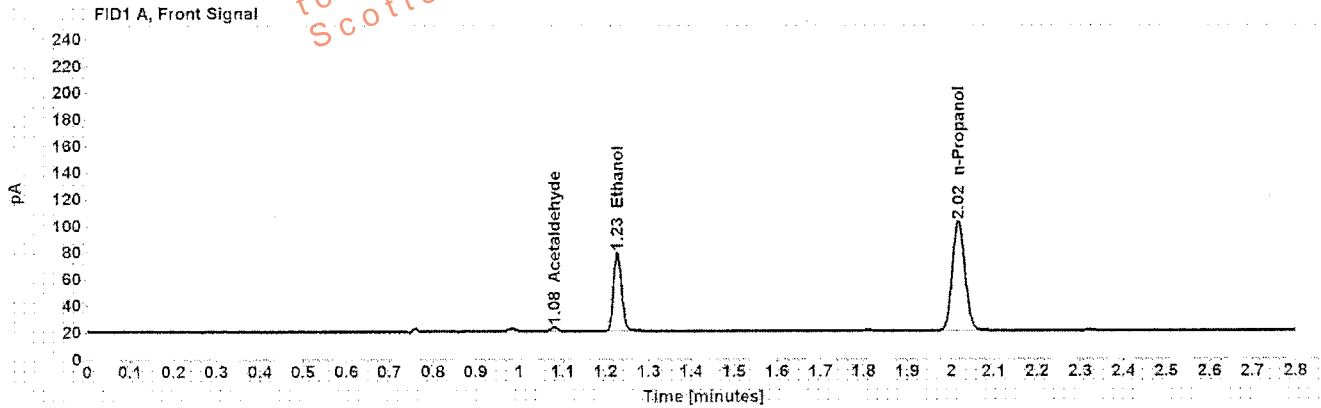


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.412
>Ethanol	0.1318	1.227	76.627
n-Propanol	-----	2.018	167.797

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.598
Ethanol	1.329	77.945
n-Propanol	2.347	171.703

VOID

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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1091845
Injection date: 7/12/2016 3:28:26 PM	Vial: 28
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\12Jul16 1\28.D	

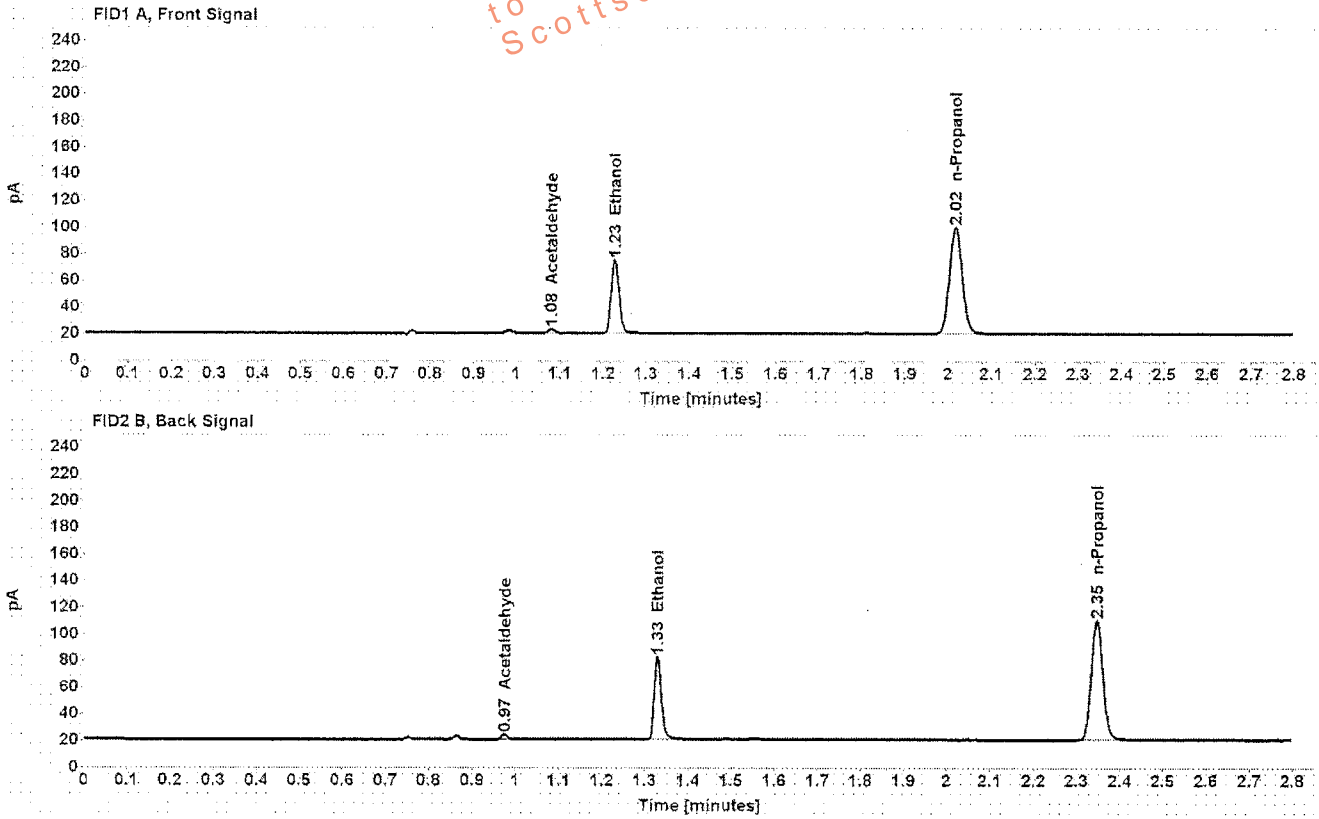


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	3.263
>Ethanol	0.1259	1.227	71.271
n-Propanol	-----	2.018	163.462

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.380
Ethanol	1.329	72.601
n-Propanol	2.346	167.316

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] Item number: 1091875
 Injection date: 7/12/2016 3:32:26 PM Vial: 29
 Method: ethanol quant M Sequence: 12Jul16 1
 Instrument: US14173023 ON14160045 Analyst: Langan
 Data file: C:\Chem32\11\Data\12Jul16 1\29.D

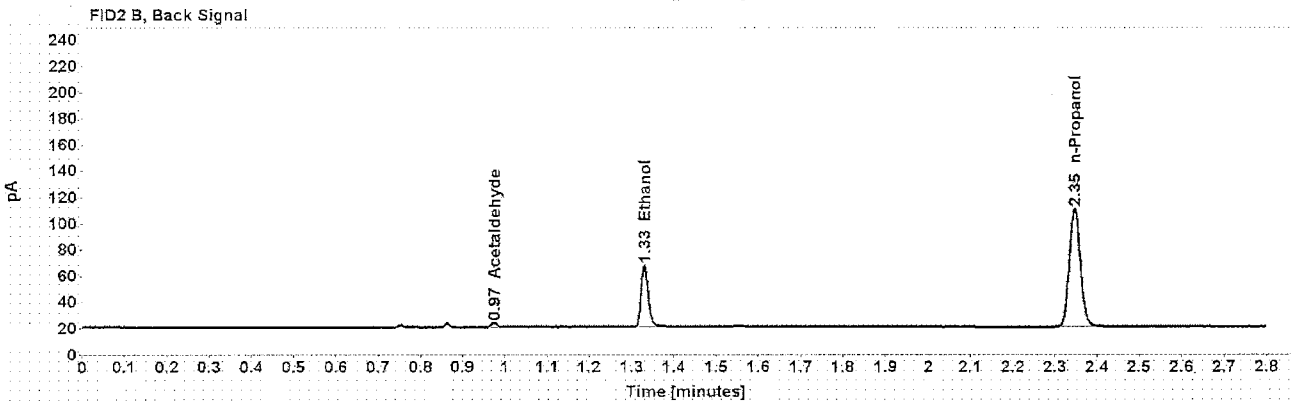
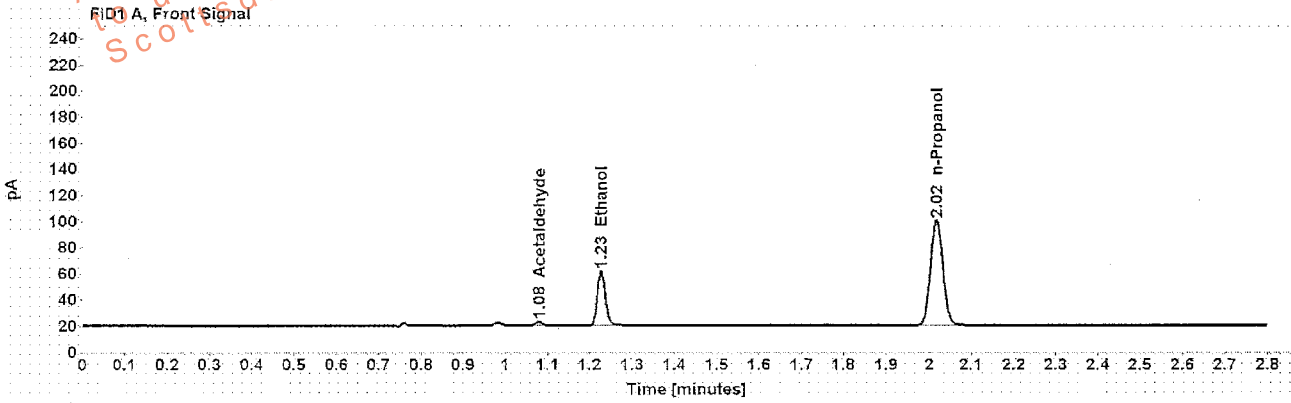


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.009
>Ethanol	0.0949	1.227	54.031
n-Propanol	-----	2.018	164.769

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.136
Ethanol	1.330	55.593
n-Propanol	2.346	168.372

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1091875
Injection date:	7/12/2016 3:36:28 PM	Vial:	30
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\1Data\12Jul16_130.D		

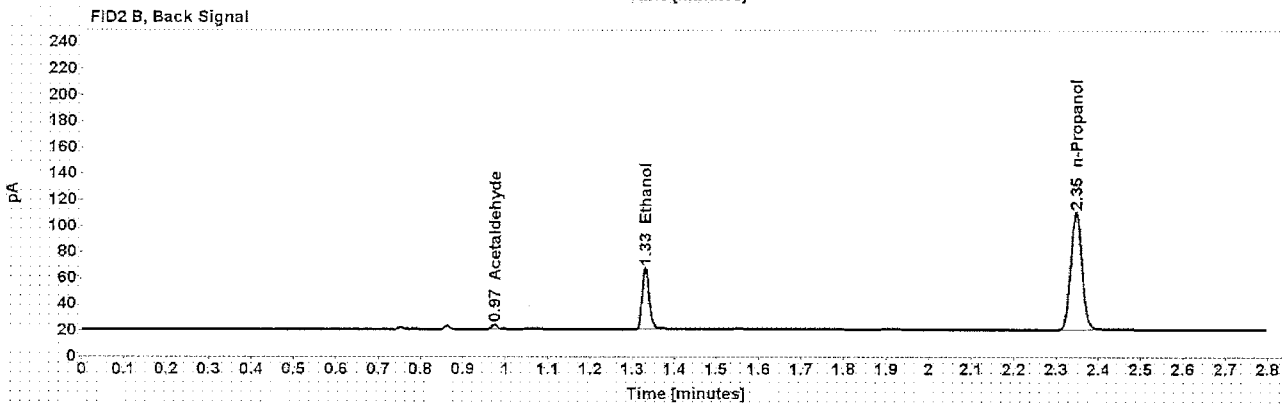
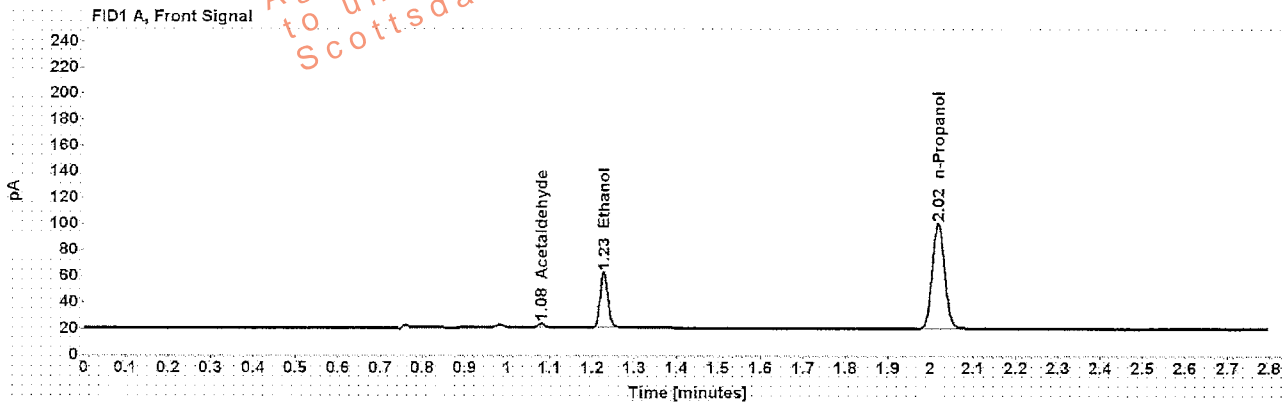


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	3.168
>Ethanol	0.0961	1.227	54.504
n-Propanol	-----	2.018	164.247

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.305
Ethanol	1.330	55.204
n-Propanol	2.347	167.745

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1092088
Injection date: 7/12/2016 3:44:41 PM	Vial: 32
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16\132.D	

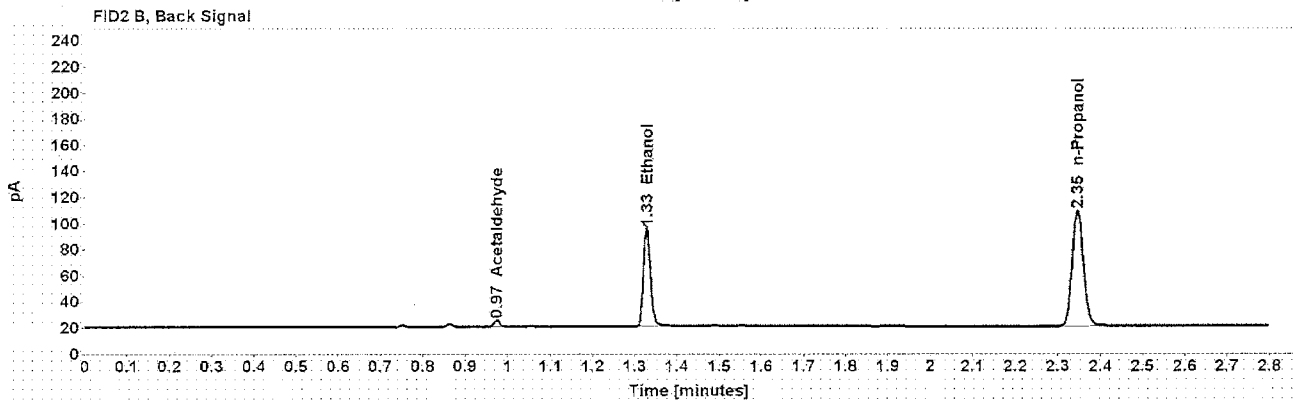
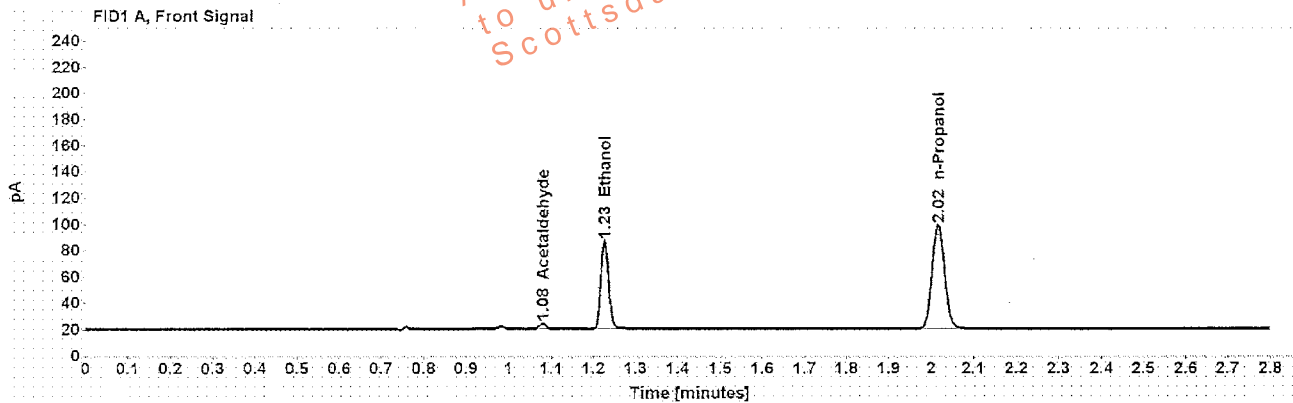


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.382
>Ethanol	0.1546	1.227	86.615
n-Propanol	-----	2.017	161.510

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.606
Ethanol	1.329	87.888
n-Propanol	2.346	165.079

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1092088
Injection date: 7/12/2016 3:48:42 PM	Vial: 33
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16 1\33.D	

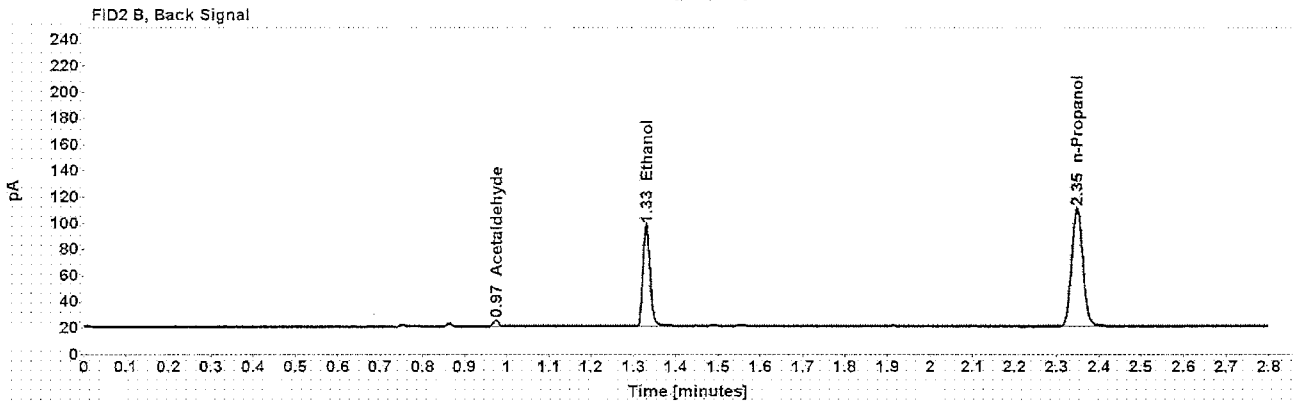
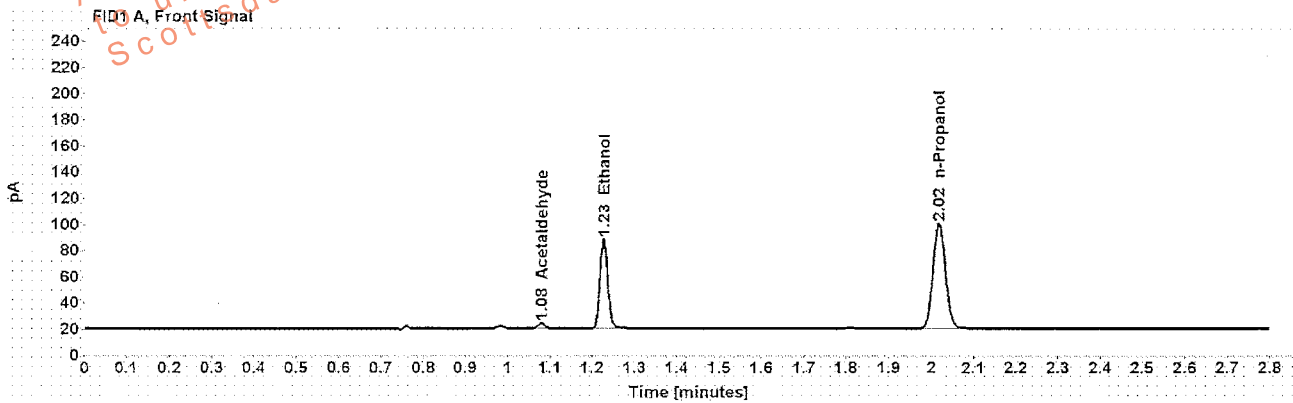


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.516
>Ethanol	0.1557	1.227	88.851
n-Propanol	-----	2.018	164.539

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.666
Ethanol	1.330	90.574
n-Propanol	2.347	168.228

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1092108
Injection date:	7/12/2016 3:52:40 PM	Vial:	34
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\1\1Data\12Jul16 1\34.D		

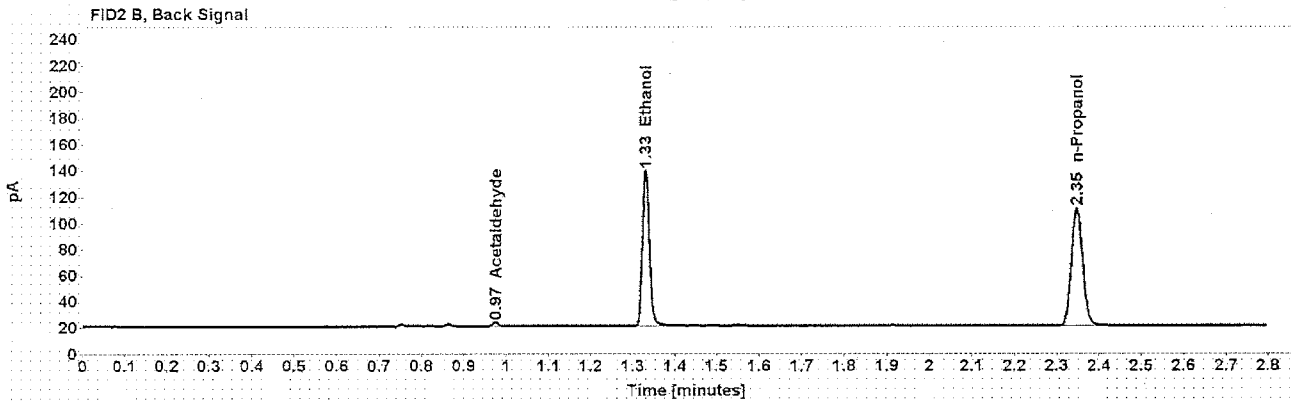
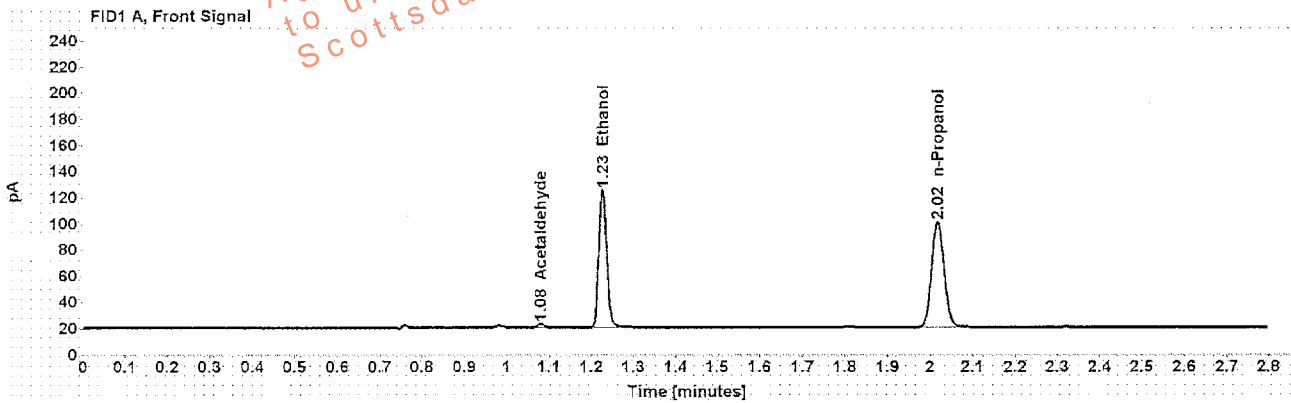


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	2.826
>Ethanol	0.2384	1.227	136.294
n-Propanol	-----	2.018	164.433

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	2.962
Ethanol	1.329	138.872
n-Propanol	2.347	168.070

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1092108
Injection date: 7/12/2016 3:56:40 PM	Vial: 35
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\12Jul16\135.D	

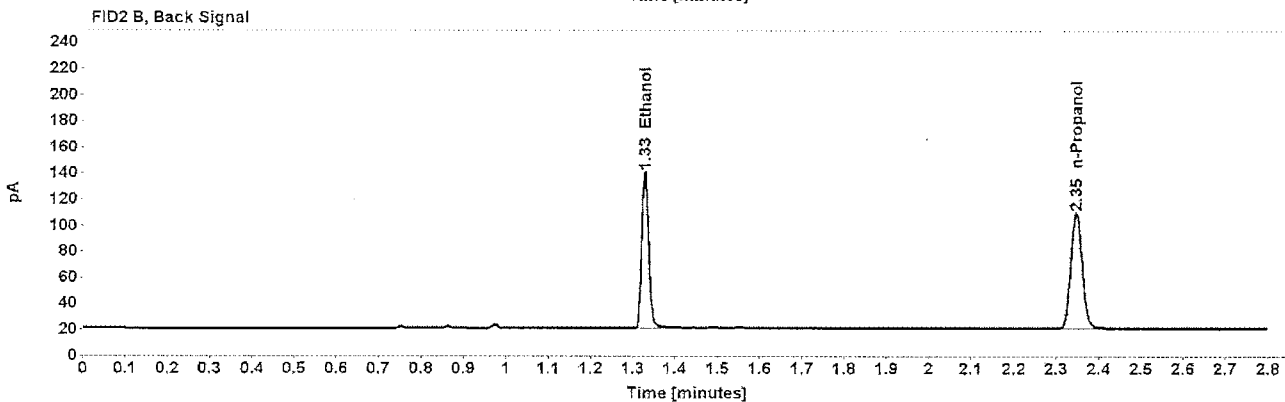
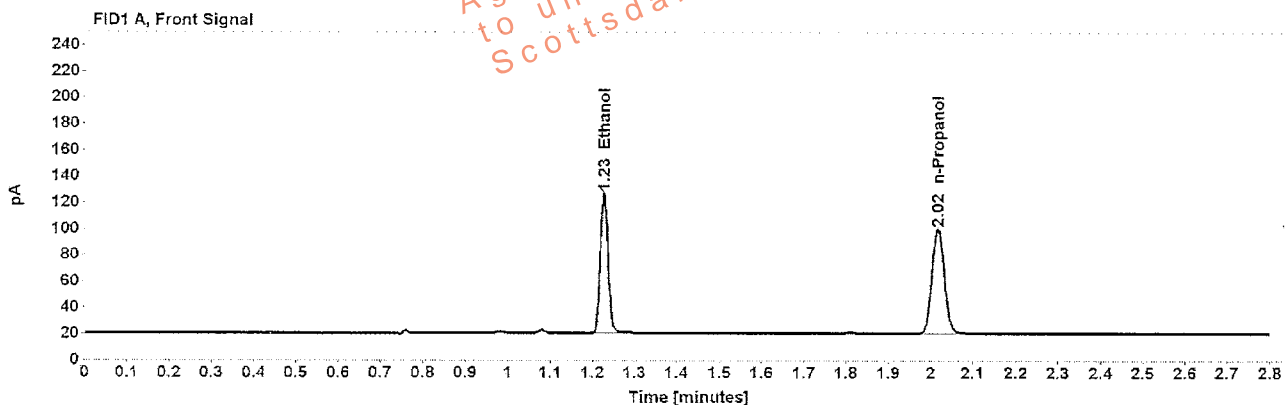


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2431	1.227	137.586
n-Propanol	-----	2.018	162.781

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

Compound	Time (min)	Peak Area
Ethanol	1.329	140.271
n-Propanol	2.347	166.252

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1092304
Injection date: 7/12/2016 4:00:41 PM	Vial: 36
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US 14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16 1\36.D	

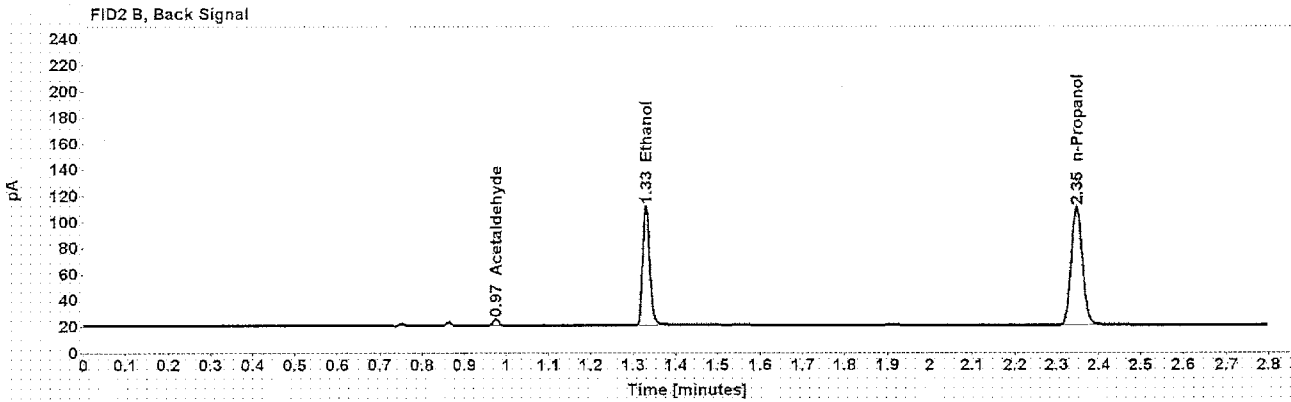
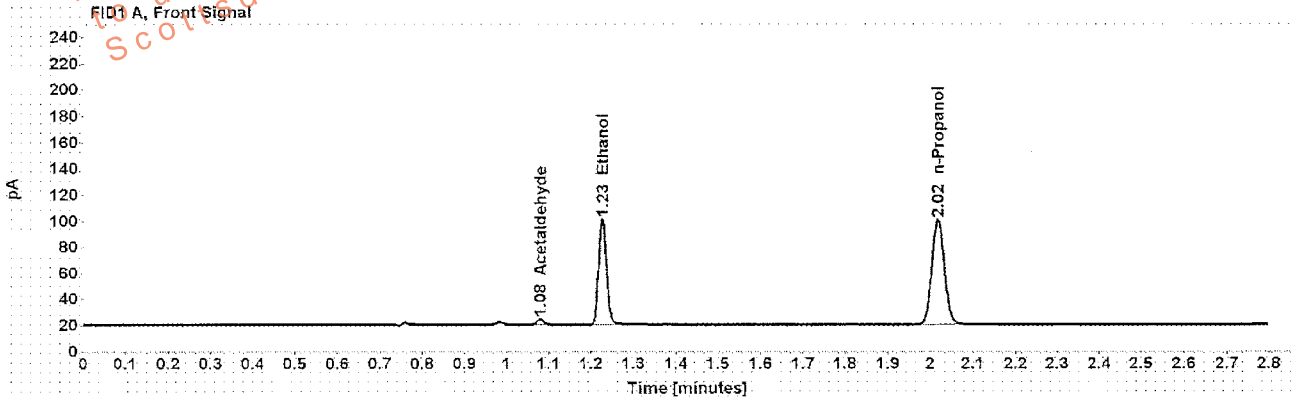


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.396
>Ethanol	0.1837	1.227	104.999
n-Propanol	-----	2.018	164.630

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.570
Ethanol	1.329	106.615
n-Propanol	2.347	167.750

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1092304
Injection date: 7/12/2016 4:04:56 PM	Vial: 37
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem3211\Data\12Jul16 1\37.D	

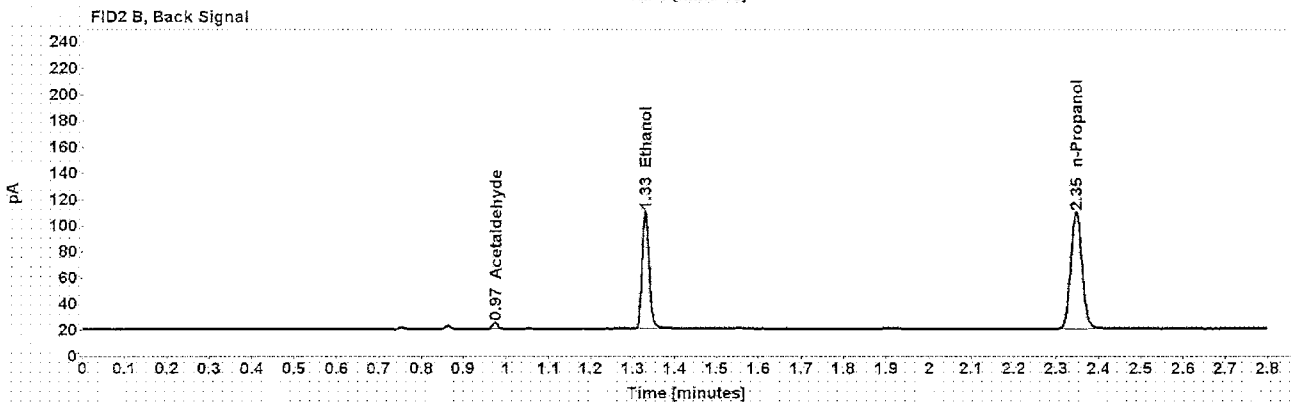
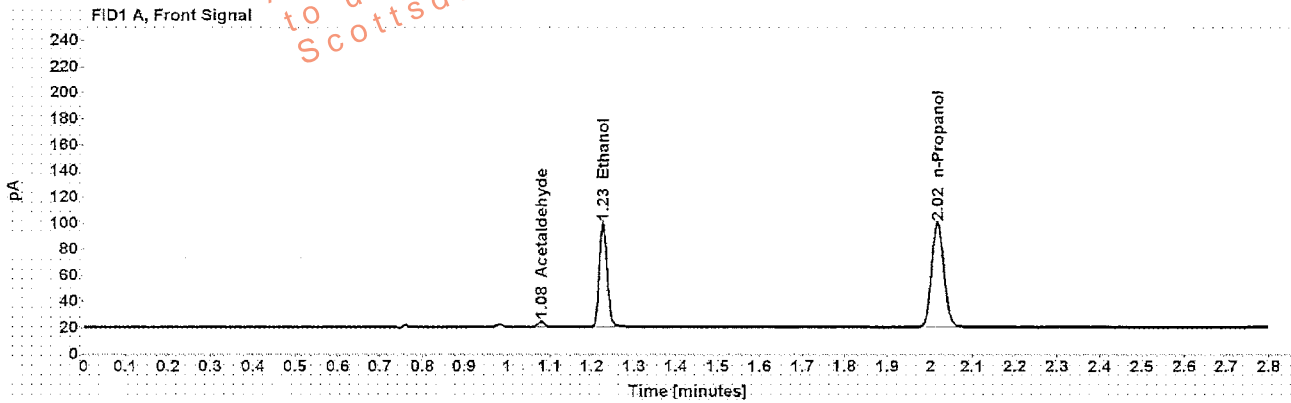


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.418
>Ethanol	0.1821	1.227	103.132
n-Propanol	-----	2.018	163.141

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.622
Ethanol	1.329	104.977
n-Propanol	2.346	166.558

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: XXXXXXXXXX	Item number: 1093670
Injection date: 7/12/2016 4:08:55 PM	Vial: 38
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16\138.D	

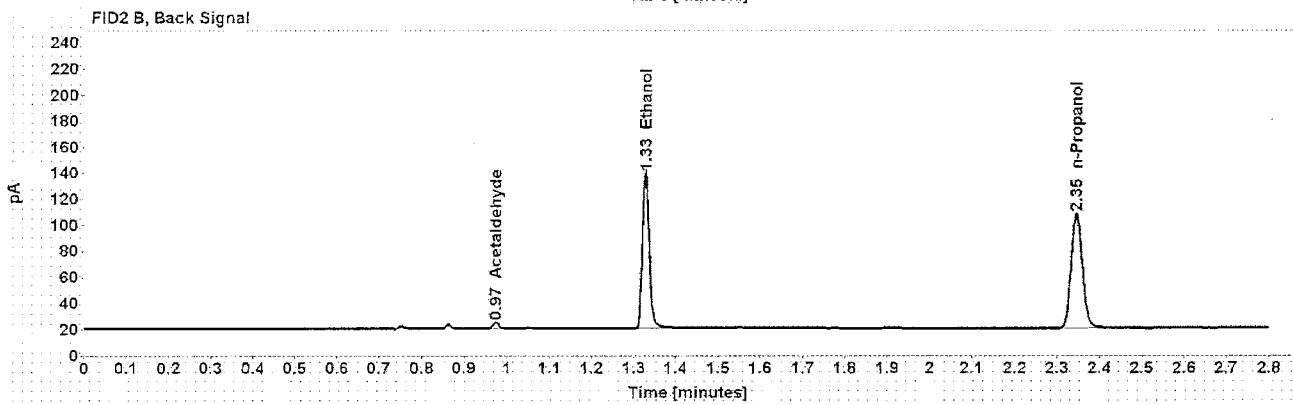
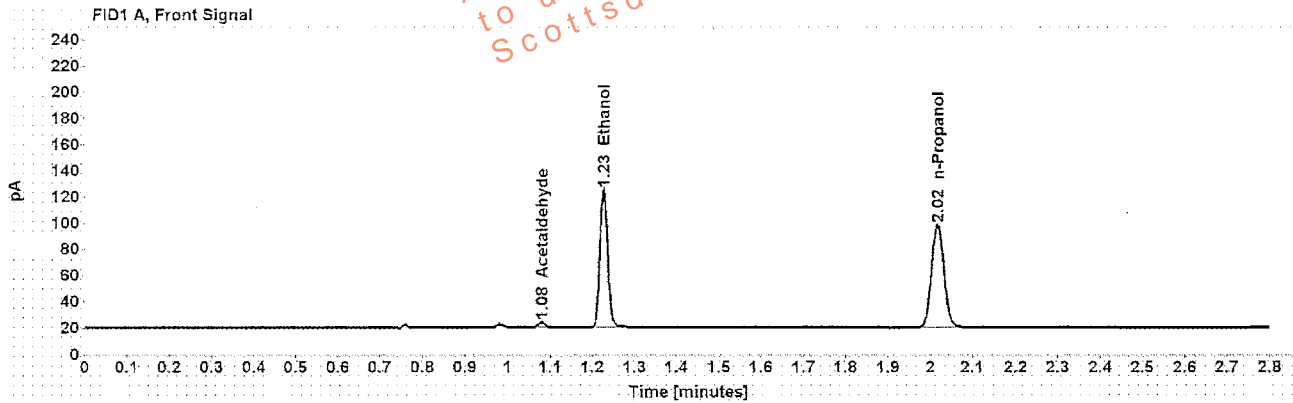


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.206
>Ethanol	0.2445	1.226	136.141
n-Propanol	-----	2.017	160.182

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.420
Ethanol	1.328	139.937
n-Propanol	2.346	163.573

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1093670
Injection date: 7/12/2016 4:12:55 PM	Vial: 39
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14123023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16 1\39.D	

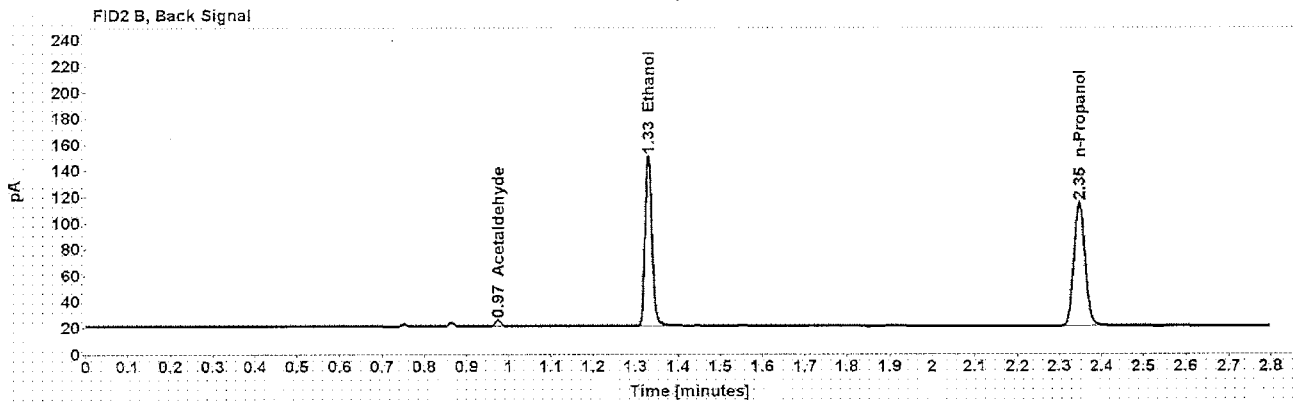
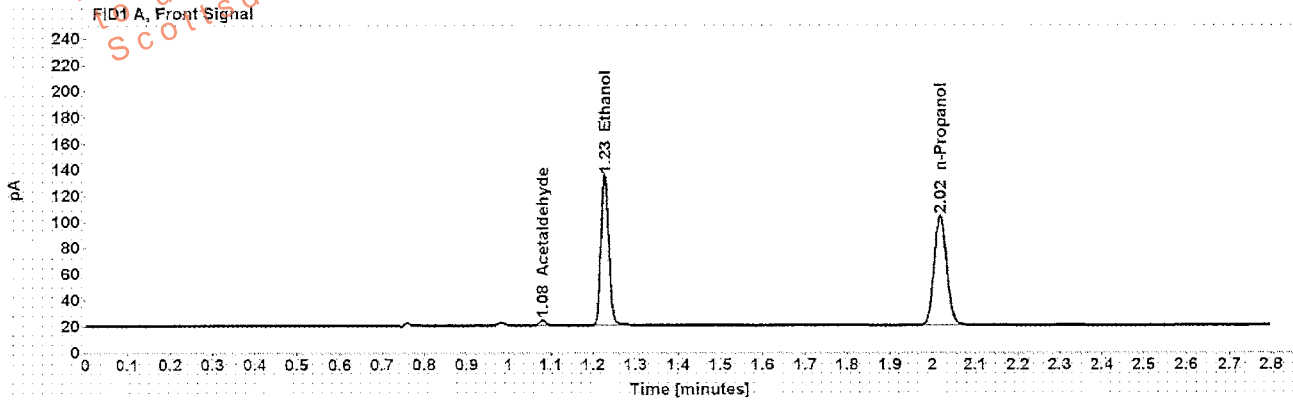


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.318
>Ethanol	0.2499	1.227	148.890
n-Propanol	-----	2.018	171.354

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	4.513
Ethanol	1.329	151.743
n-Propanol	2.347	175.091

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1094502
Injection date:	7/12/2016 4:16:56 PM	Vial:	40
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem3211\Data\12Jul16 1\40.D		

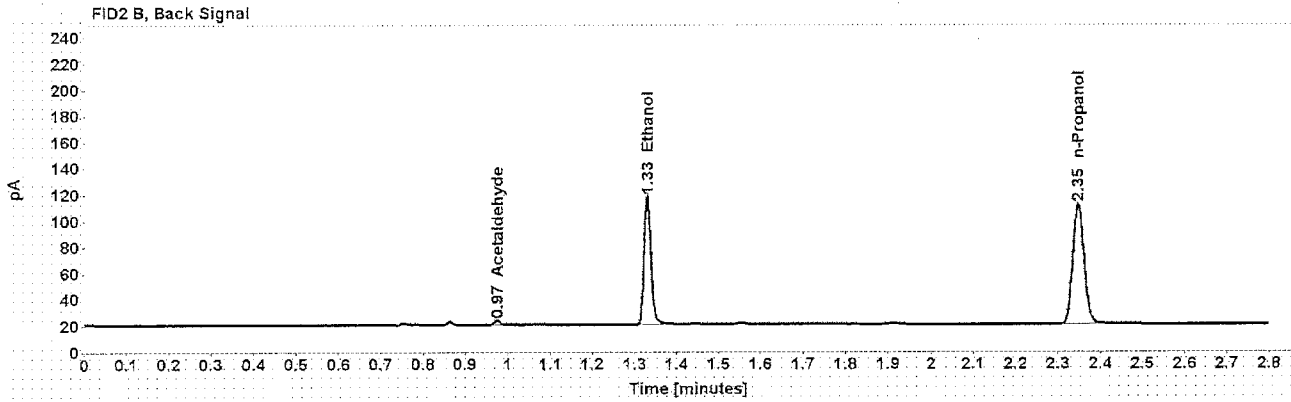
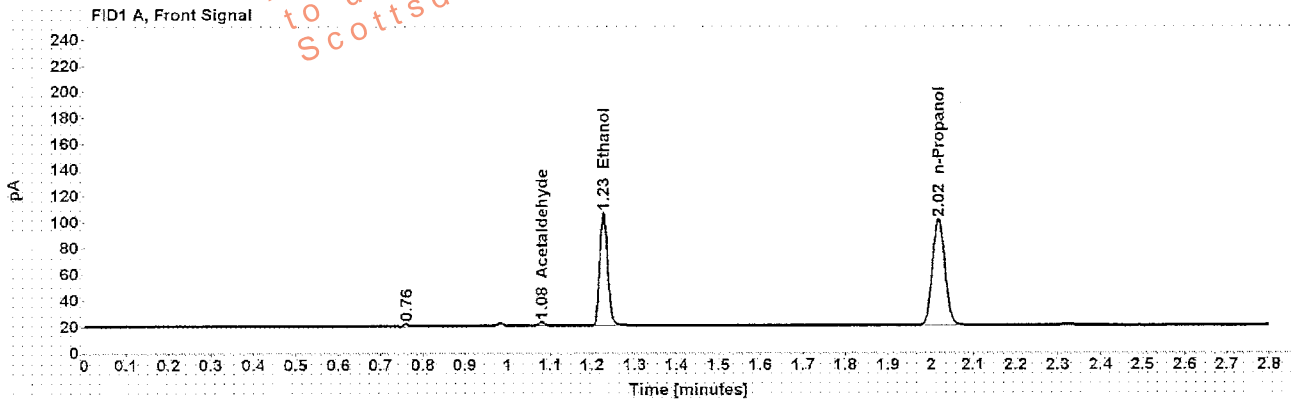


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	2.964
>Ethanol	0.1939	1.227	111.702
n-Propanol	-----	2.018	165.833

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.051
Ethanol	1.330	115.023
n-Propanol	2.347	169.862

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1094502
Injection date:	7/12/2016 4:20:57 PM	Vial:	41
Method:	ethanol quant.M	Sequence:	12Jul16 1
Instrument:	US14173023 CN14160045	Analyst:	Langan
Data file:	C:\Chem32\11\Data\12Jul16 1\41.D		

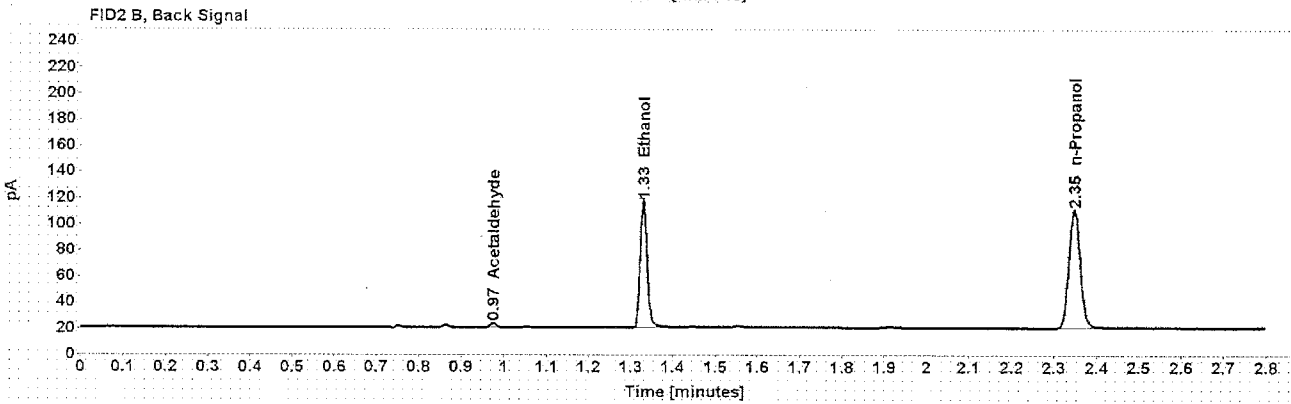
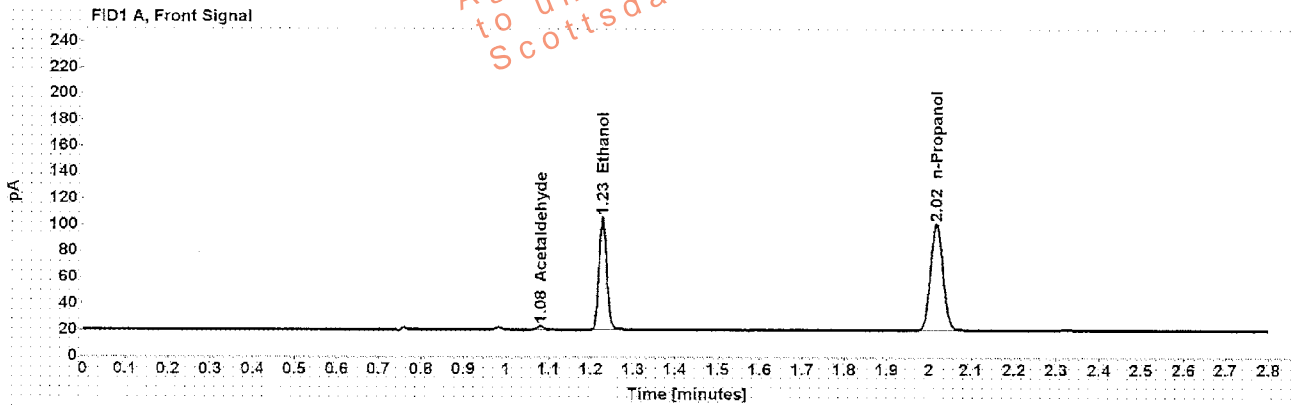


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	2.947
>Ethanol	0.1933	1.227	110.881
n-Propanol	-----	2.018	165.172

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	3.059
Ethanol	1.330	113.080
n-Propanol	2.347	168.617

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1094625
Injection date: 7/12/2016 4:29:11 PM	Vial: 43
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16 1\43.D	

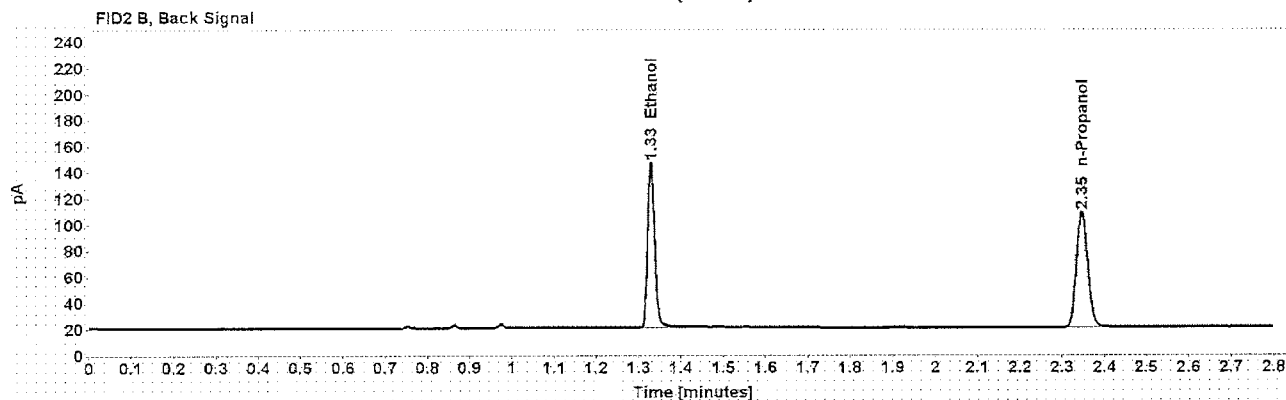
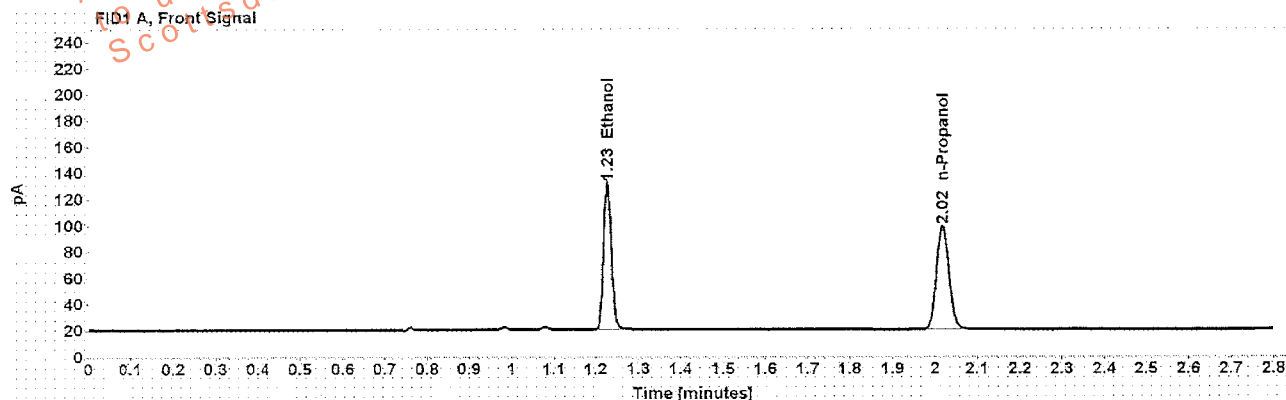


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2580	1.227	144.526
n-Propanol	-----	2.018	161.118

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

Compound	Time (min)	Peak Area
Ethanol	1.329	147.538
n-Propanol	2.347	164.360

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1094625
Injection date: 7/12/2016 4:33:12 PM	Vial: 44
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160046	Analyst: Langan
Data file: C:\Chem32\11\Data\12Jul16 1\44.D	

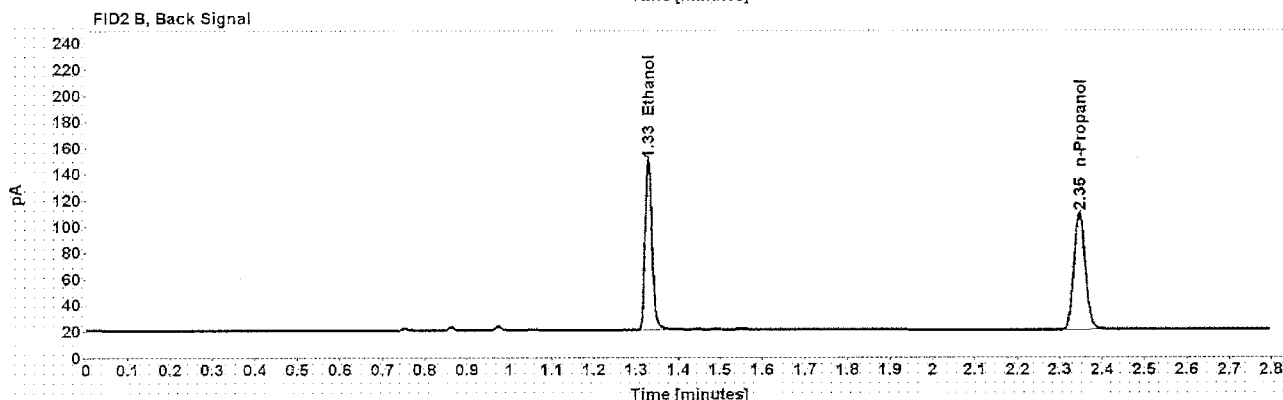
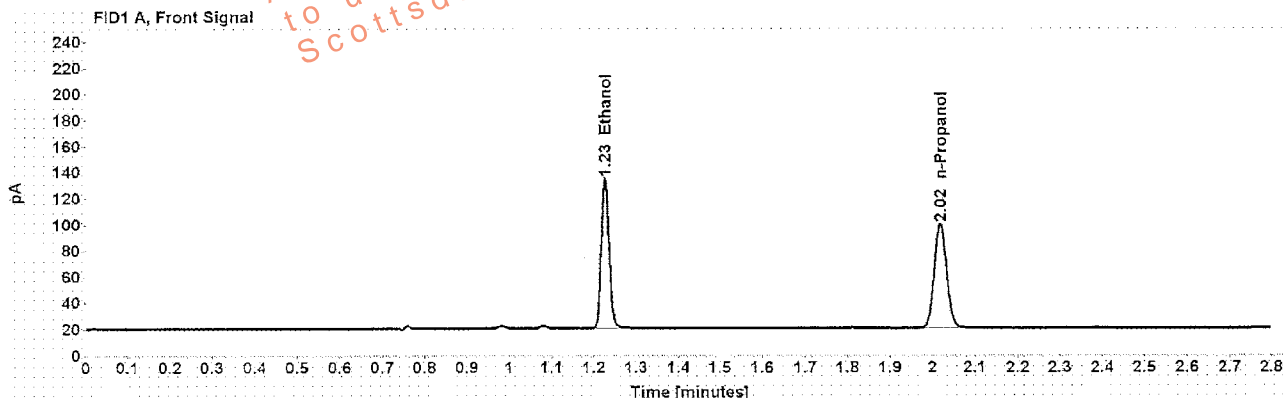


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2613	1.227	147.835
n-Propanol	-----	2.017	162.697

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

Compound	Time (min)	Peak Area
Ethanol	1.328	150.532
n-Propanol	2.346	166.405

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: ██████████	Item number: 1094968
Injection date: 7/12/2016 4:37:14 PM	Vial: 45
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem321\1\Data\12Jul16\145.D	

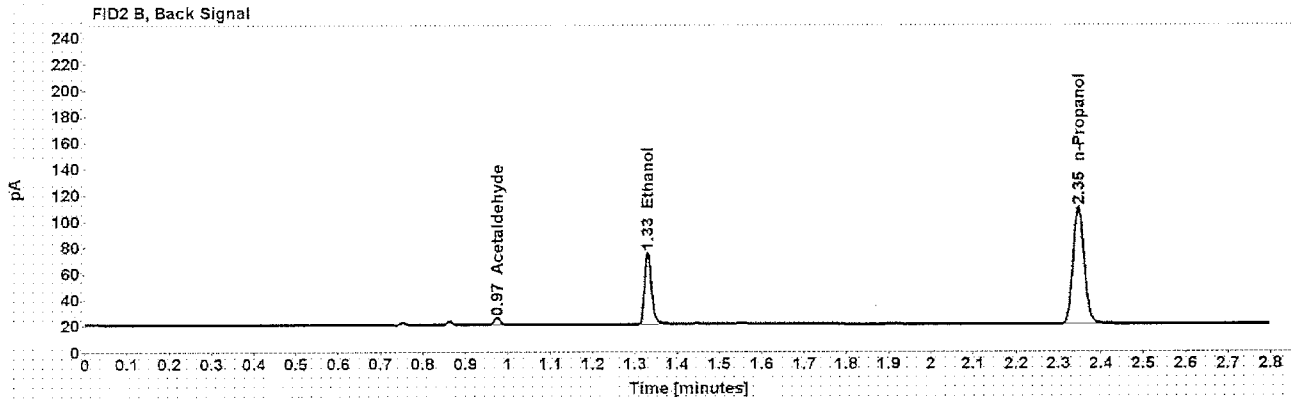
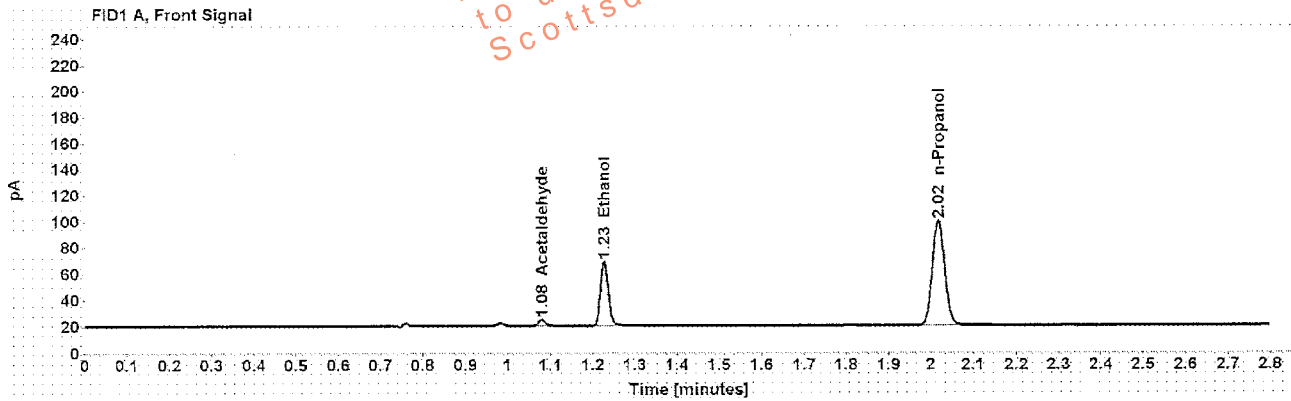


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.081	4.917
>Ethanol	0.1120	1.228	63.136
n-Propanol	-----	2.018	162.994

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.118
Ethanol	1.330	64.239
n-Propanol	2.347	166.689

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1094968
Injection date: 7/12/2016 4:41:11 PM	Vial: 46
Method: ethanol quant.M	Sequence: 12Jul16 1
Instrument: US14173023 CN14160045	Analyst: Langan
Data file: C:\Chem32\1\Data\12Jul16 1\46.D	

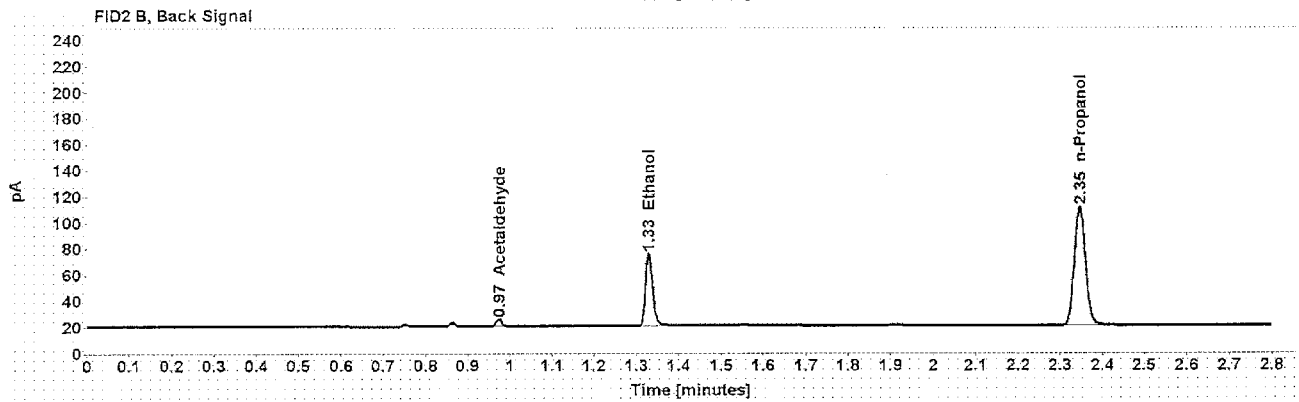
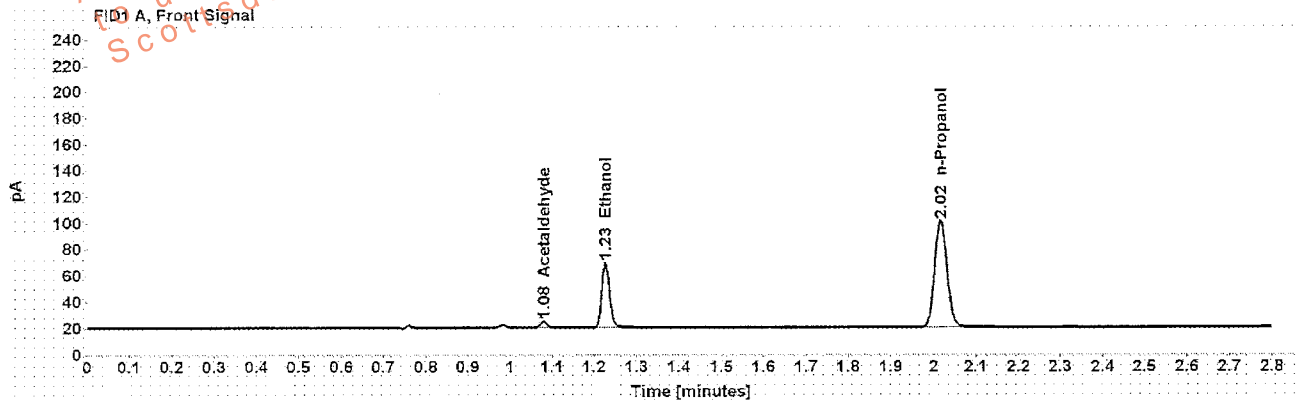


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.080	4.962
>Ethanol	0.1115	1.227	63.903
n-Propanol	-----	2.017	165.637

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.974	5.187
Ethanol	1.329	64.977
n-Propanol	2.346	169.277