

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 1/17/2017 SEQUENCE NAME 17Jan17

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 (r²)
 Vial 2 0.10 calibrator Lot FN06181501 1.00000
 Vial 3 0.20 calibrator Lot FN07201502
 Vial 4 0.40 calibrator Lot FN11191402

CALIBRATION VERIFICATION AND RESOLUTION TEST

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 053116WLA
7	Aqueous control	0.400 g/dL	0.396 g/dL	Lipomed 05012012-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.200 g/dL	0.201 g/dL	ACQ 402101060/6
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.150 g/dL	Lipomed 11012012-C
42	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 05012012-C
43	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
44	Blood control	0.200 g/dL	0.200 g/dL	ACQ 402101060/6
45	Blank	Not detected	Not detected	SPD lab 090816

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid WA B1570
 Run invalid
 Analyst

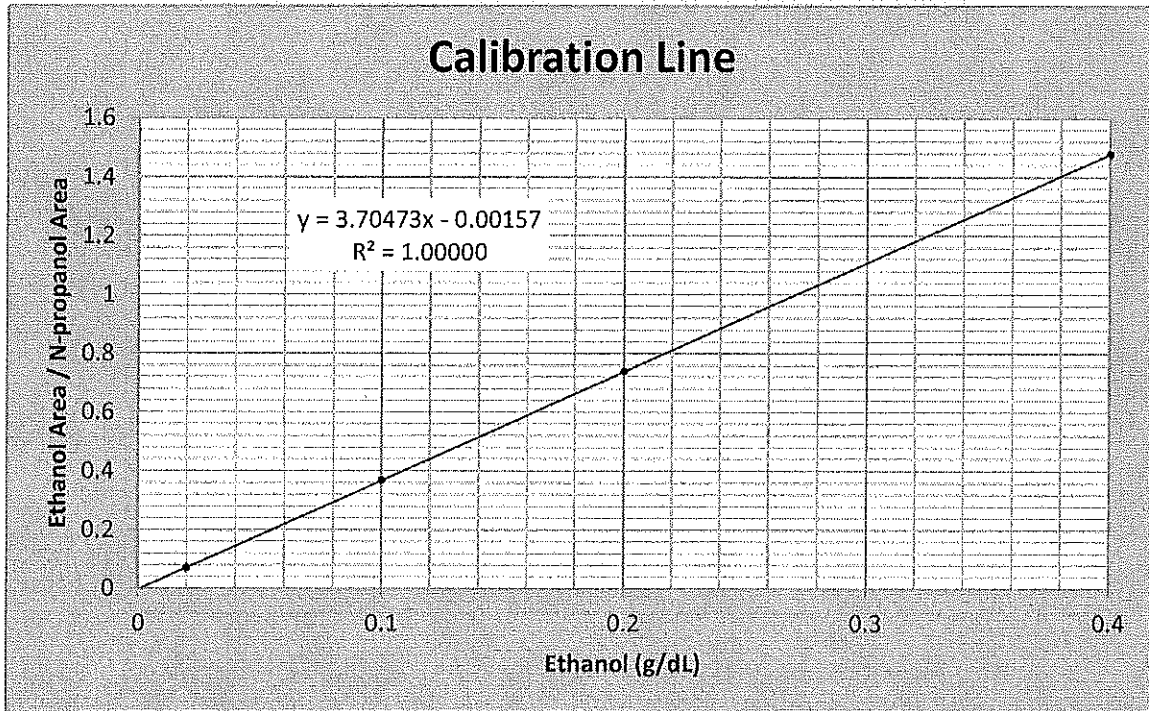
Run valid
 Run invalid KOSCOCKI 1/19/17
 Technical Reviewer

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

SEQUENCE NAME: 17Jan17

Control	Mat	Expected Value (g/dl)	Measured Value (g/dl)	Percent Difference	Absolute Difference (g/dl)
1	7	negative	negative	-	-
2	7	0.400	0.396	1.00	-0.004
3	8	0.040	0.039	2.50	-0.001
4	9	0.200	0.201	0.50	0.001
5	20	0.080	0.079	1.25	-0.001
6	31	0.150	0.150	0.00	0.000
7	42	0.400	0.399	0.25	-0.001
9	43	0.040	0.039	2.50	-0.001
10	44	0.200	0.200	0.00	0.000
11	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	10.445	145.604	0.072
0.100	53.483	144.830	0.369
0.200	107.452	145.146	0.740
0.400	216.949	146.607	1.480



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.020 Cerilliant FN08101401	Item number:
Injection date: 1/17/2017 5:04:53 PM	Vial: 1
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsdtest3\17Jan17\1.D	

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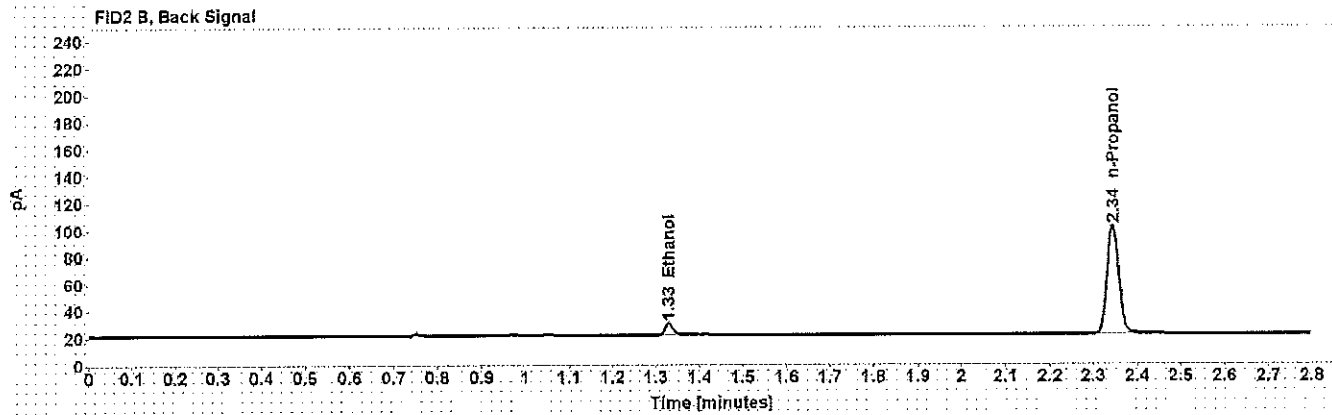
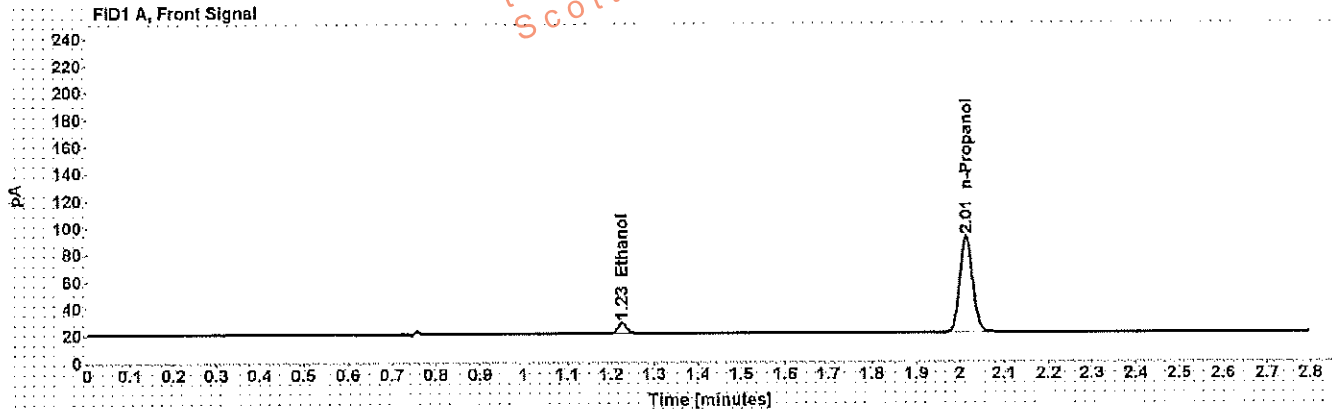


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	10.445
n-Propanol	2.014	145.604

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

Compound	Time (min)	Peak Area
Ethanol	1.329	10.510
n-Propanol	2.344	149.384

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 Cerilliant FN06181501 Item number:
 Injection date: 1/17/2017 5:08:51 PM Vial: 2
 Method: ethanol quant.M Sequence: 17Jan17
 Instrument: US14173023 CN14160045 Analyst: Adrian
 Data file: C:\Chem32\11\Data\rsdtest3\17Jan17\2.D

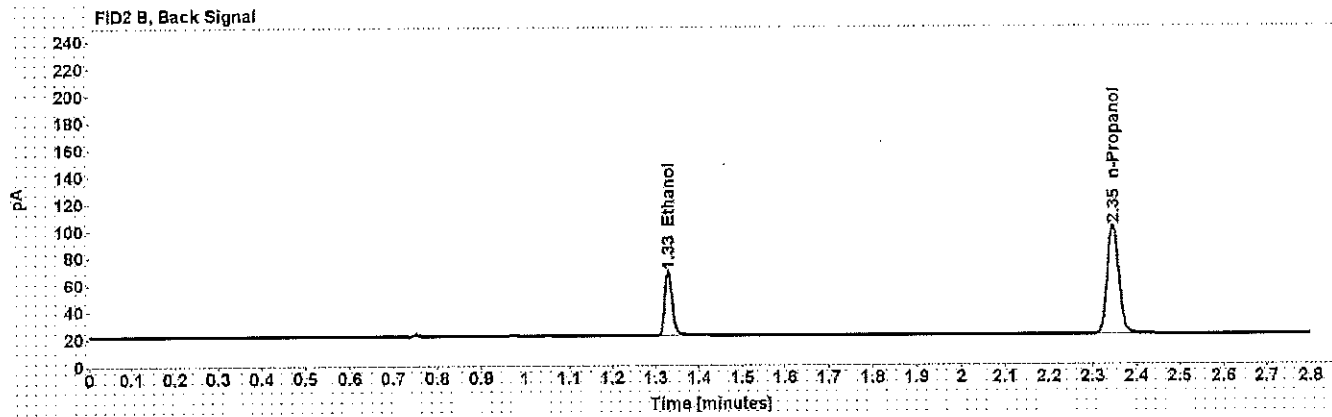
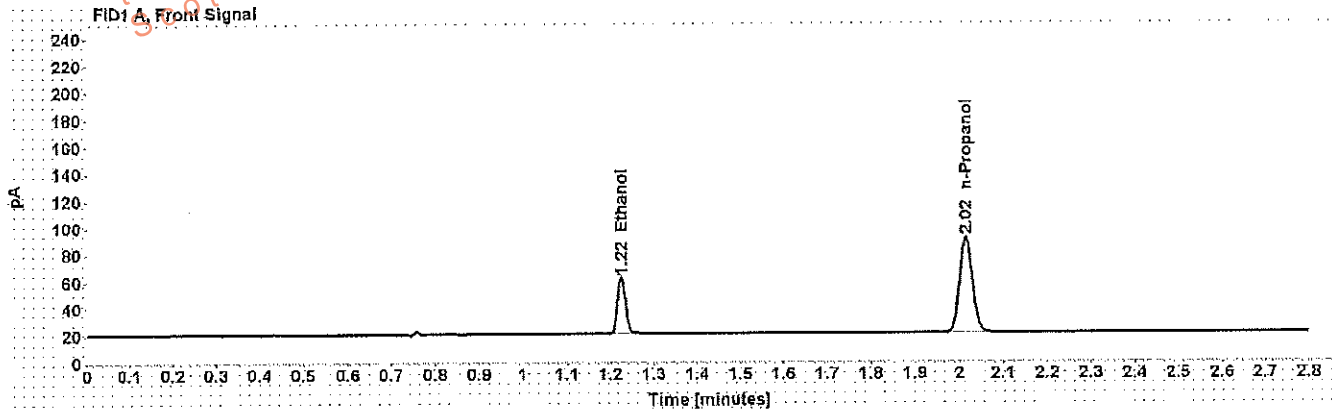


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.225	53.483
n-Propanol	2.015	144.830

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

Compound	Time (min)	Peak Area
Ethanol	1.329	54.624
n-Propanol	2.346	148.596

W3

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample:	0.200 Cerilliant FN07201502	Item number:	
Injection date:	1/17/2017 5:12:52 PM	Vial:	3
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11\Data\rsdtest3\17Jan17\3.D		

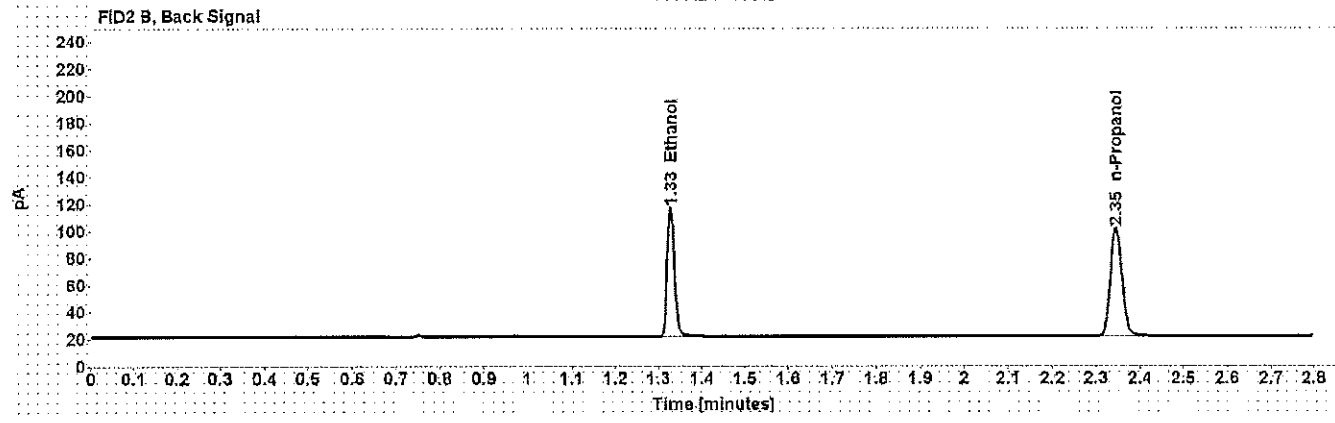
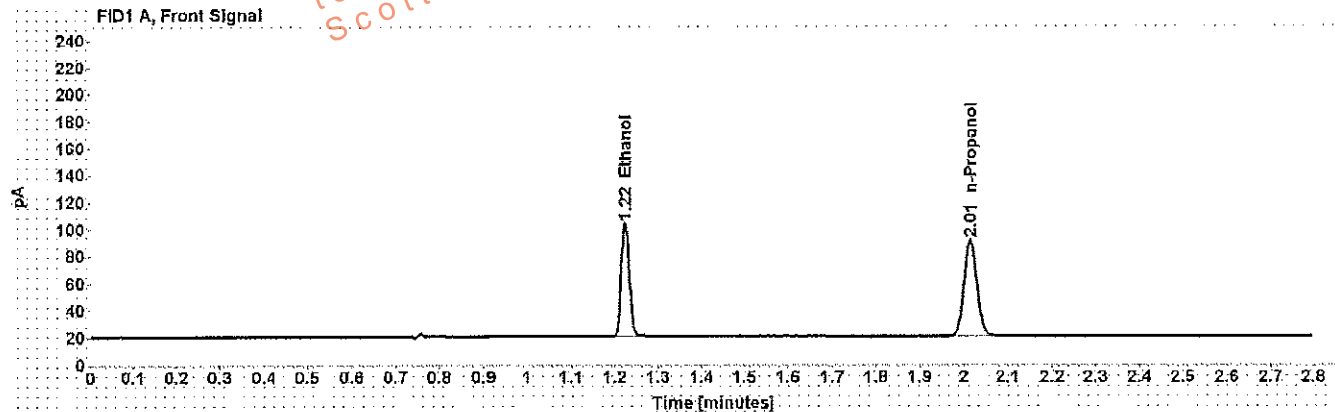


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	107.452
n-Propanol	2.015	145.146

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

Compound	Time (min)	Peak Area
Ethanol	1.328	110.520
n-Propanol	2.345	149.033

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

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Sample: 0.400 Cerilliant FN11191402	Item number:
Injection date: 1/17/2017 5:16:51 PM	Vial: 4
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsdtest3\17Jan17\4.D	

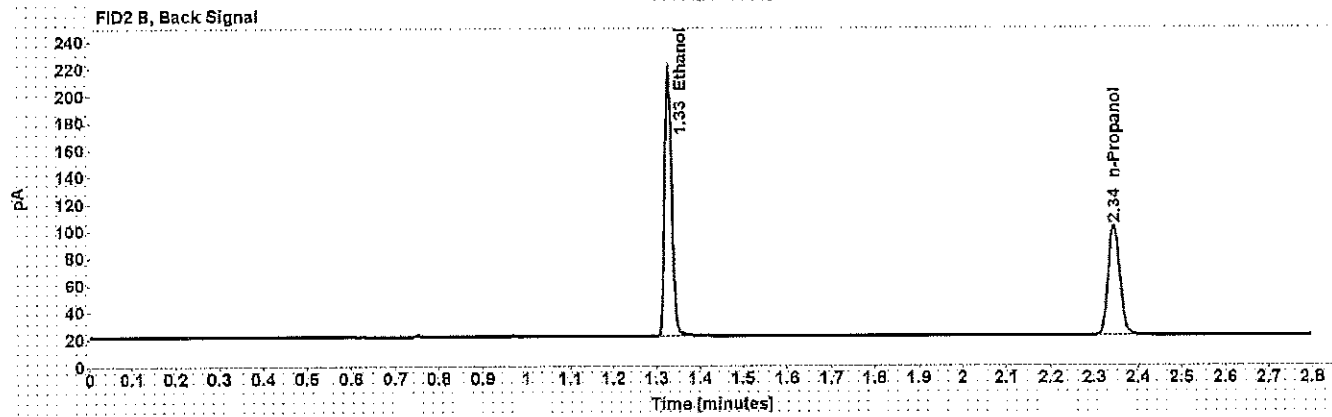
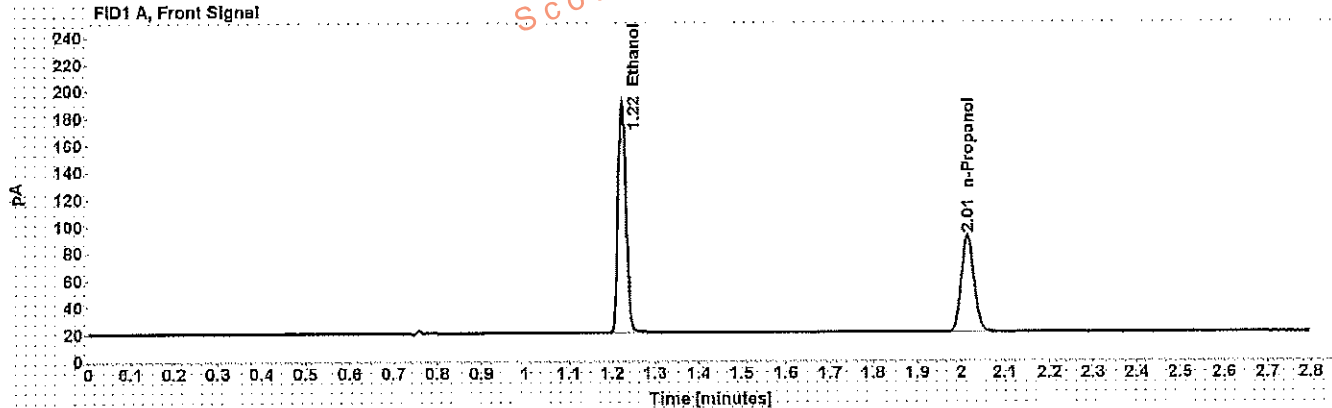


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	216.949
n-Propanol	2.014	146.607

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

Compound	Time (min)	Peak Area
Ethanol	1.327	224.527
n-Propanol	2.345	150.485

WA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 090816
 Injection date: 1/17/2017 5:20:52 PM
 Method: ethanol quant.M
 Instrument: US14173023 CN14160045
 Data file: C:\Chem32\11>Data\rsdtest3\17Jan17\5.D

Item number:
 Vial: 5
 Sequence: 17Jan17
 Analyst: Adrian

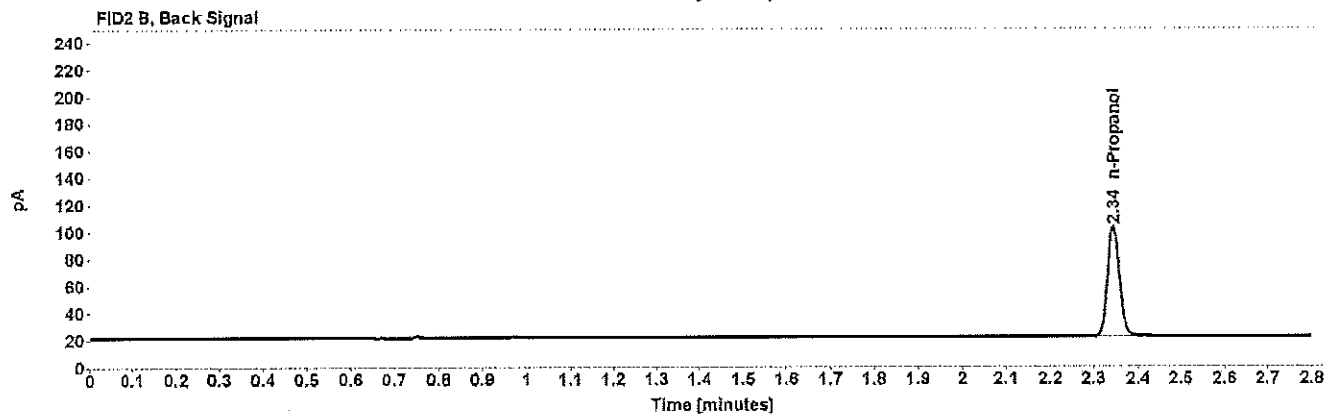
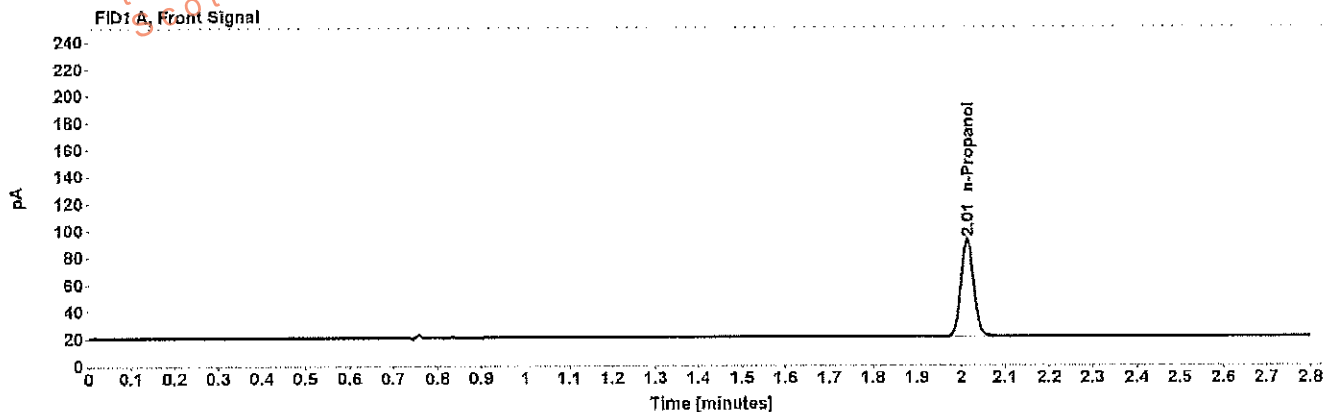


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	147.490

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

Compound	Time (min)	Peak Area
n-Propanol	2.345	151.403

WA

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 053116 WLA	Item number:
Injection date: 1/17/2017 5:24:52 PM	Vial: 6
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\sdtest3\17Jan17\6.D	

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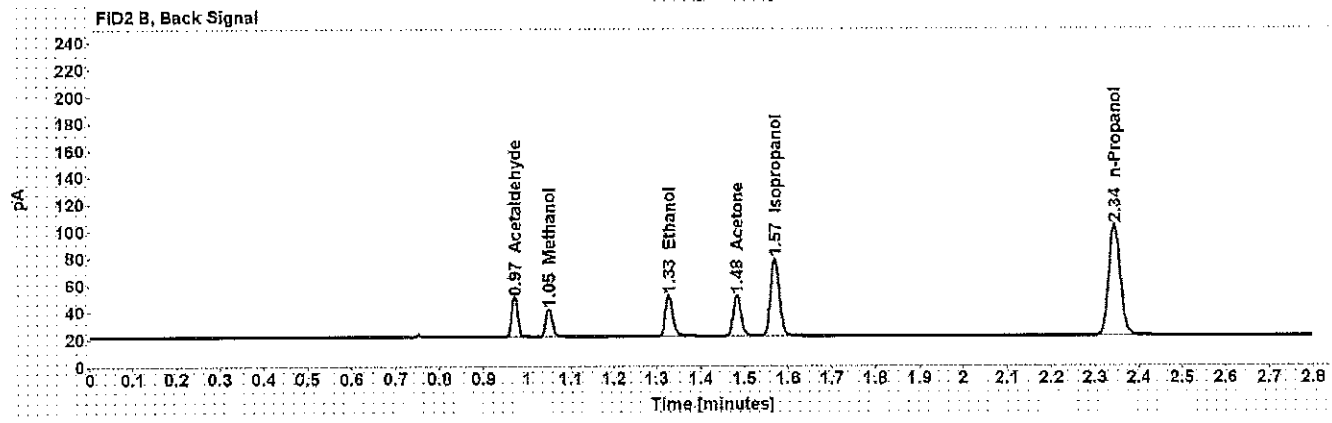
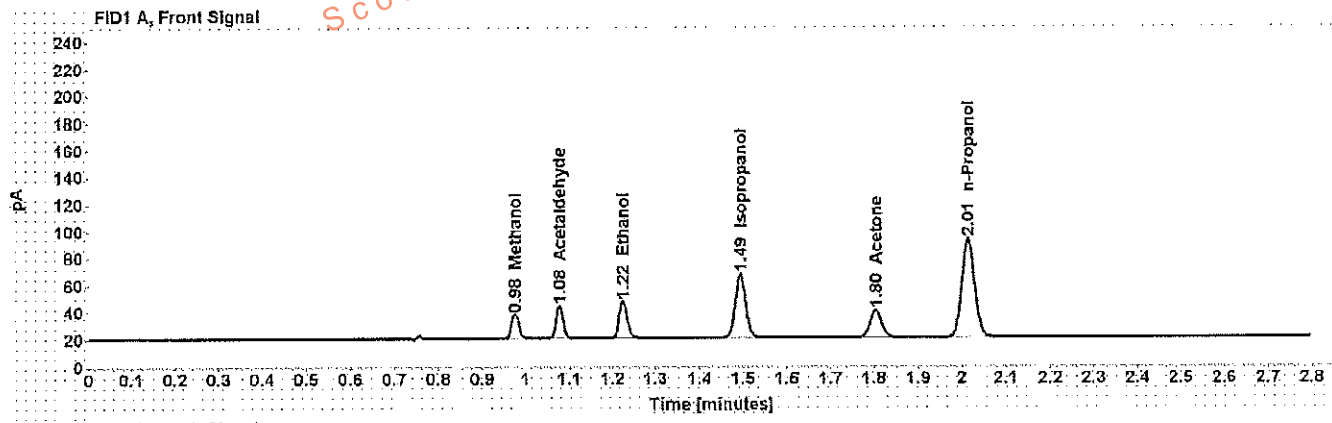


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.976	19.996
Acetaldehyde	-----	1.077	26.711
>Ethanol	0.0637	1.224	34.823
Isopropanol	-----	1.493	77.636
Acetone	-----	1.804	36.258
n-Propanol	-----	2.014	148.655

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	28.125
Methanol	1.050	20.515
Ethanol	1.328	35.512
Acetone	1.483	36.957
Isopropanol	1.570	80.289
n-Propanol	2.344	152.646

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.400 Lipomed 05012012-C	Item number:
Injection date: 1/17/2017 5:29:07 PM	Vial: 7
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsctest3\17Jan17\7.D	

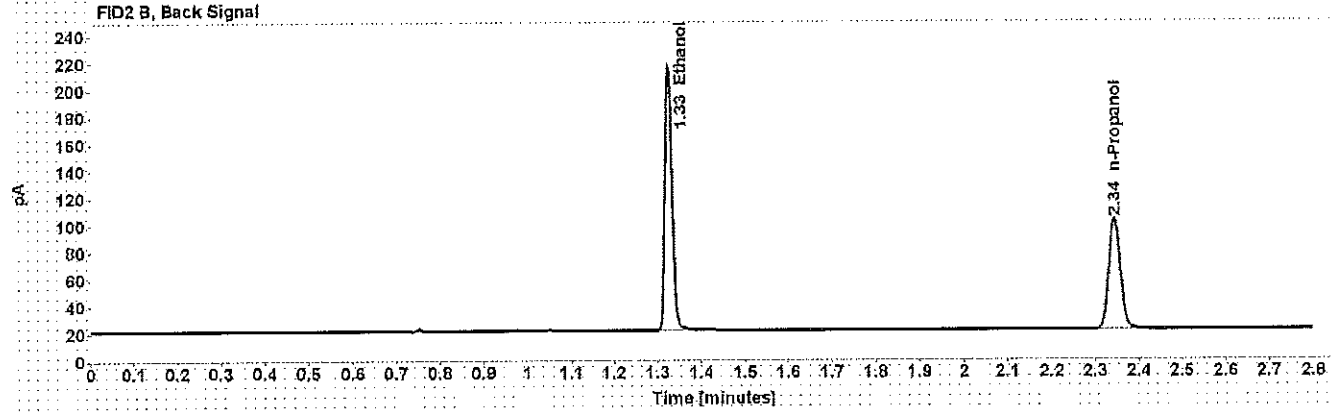
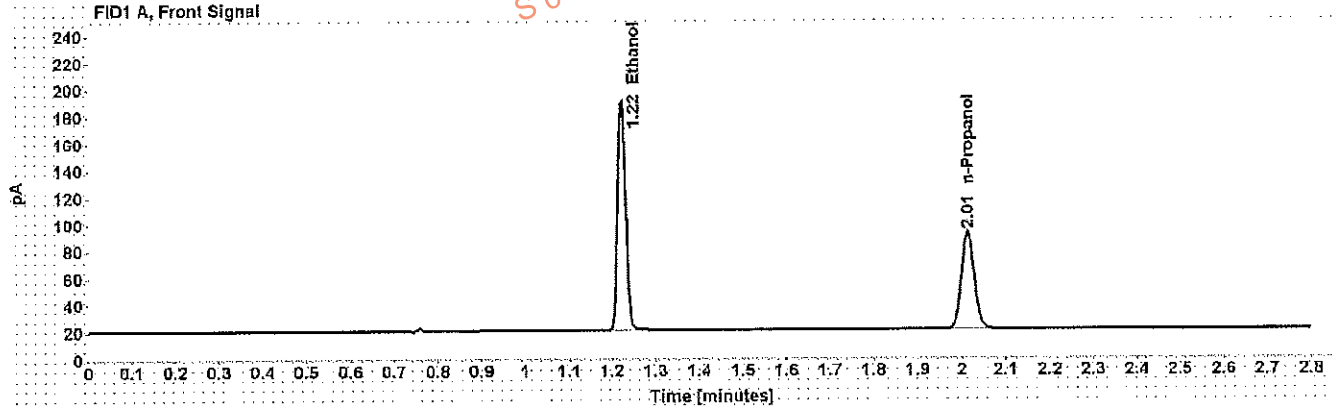


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3968	1.223	217.083
n-Propanol	-----	2.014	147.818

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

Compound	Time (min)	Peak Area
Ethanol	1.325	223.810
n-Propanol	2.344	151.755

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 Lipomed 09022015-A
Injection date: 1/17/2017 5:33:07 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\11\Data\rsdtest3\17Jan17\8.D

Item number:
Vial: 8
Sequence: 17Jan17
Analyst: Adrian

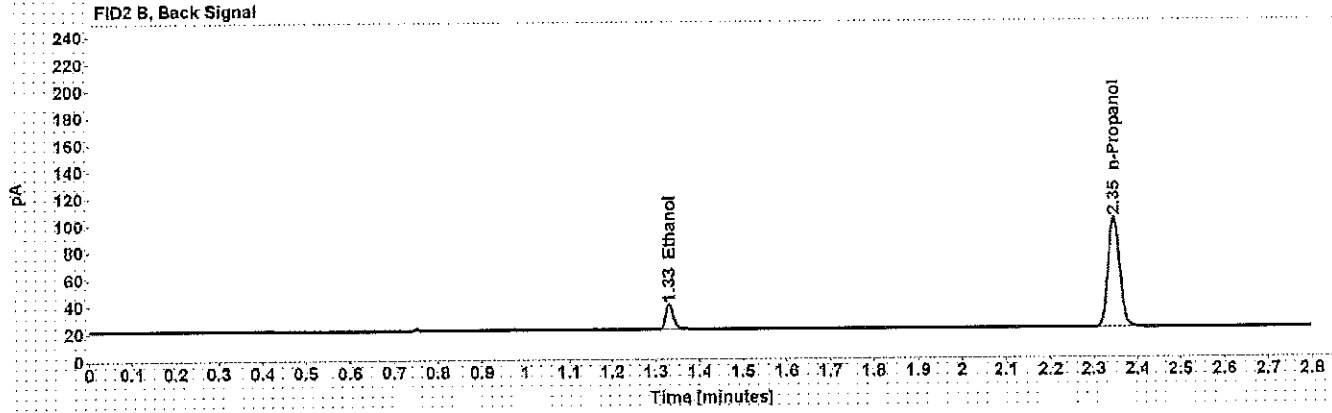
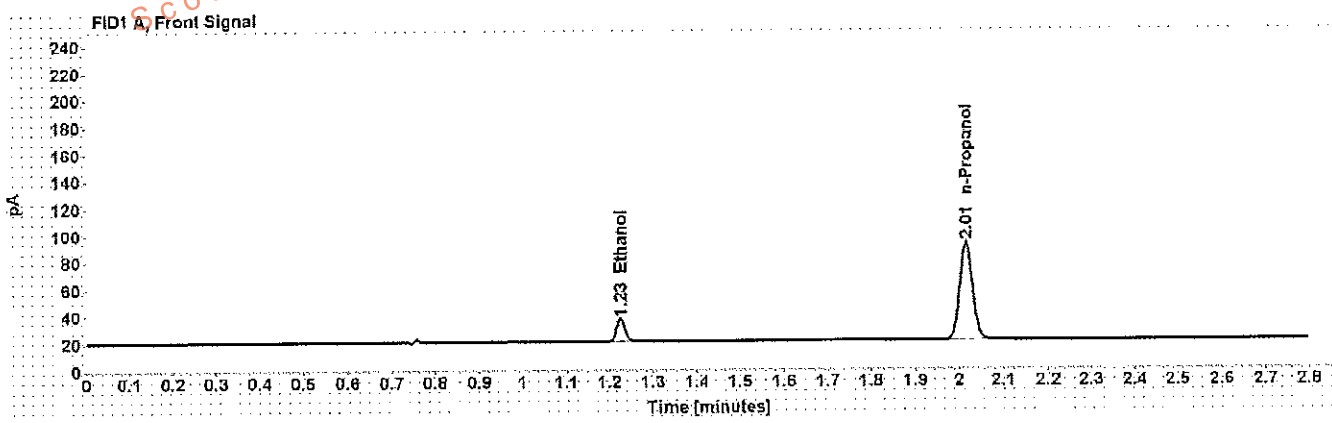


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0395	1.226	21.228
n-Propanol	-----	2.015	146.560

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

Compound	Time (min)	Peak Area
Ethanol	1.330	21.721
n-Propanol	2.346	150.706

WA

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 1/17/2017 5:37:06 PM	Vial: 9
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\stdtest3\17Jan17\9.D	

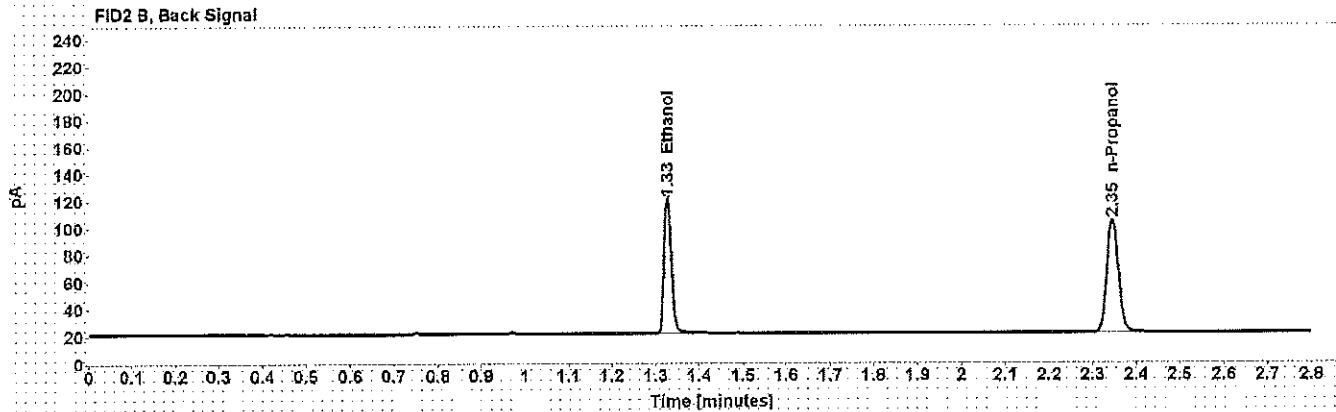
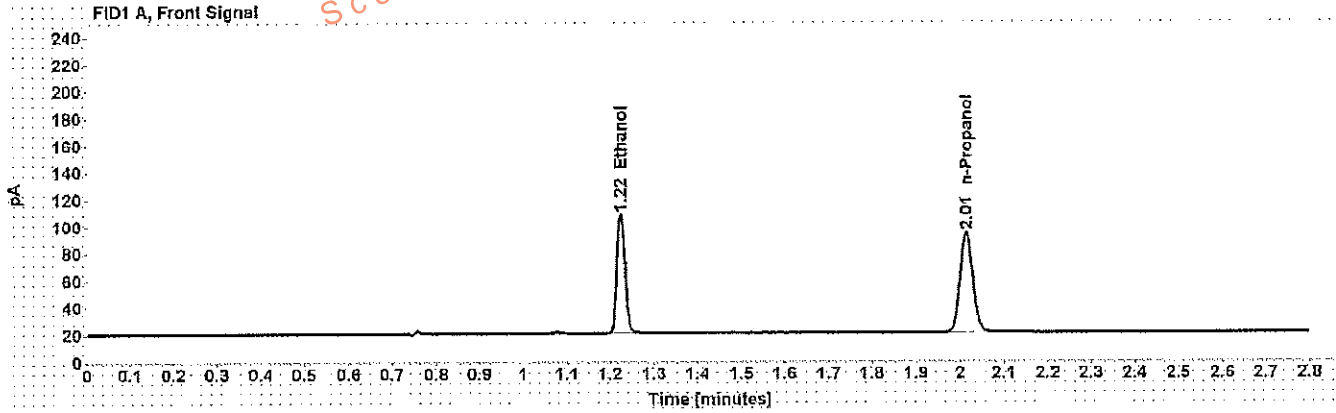


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2014	1.224	112.336
n-Propanol	-----	2.015	150.894

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

Compound	Time (min)	Peak Area
Ethanol	1.328	115.656
n-Propanol	2.346	155.404

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample:	0.080 Lipomed 28082014-B	Item number:	
Injection date:	1/17/2017 6:21:37 PM	Vial:	20
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\rstdtest3\17Jan17\20.D		

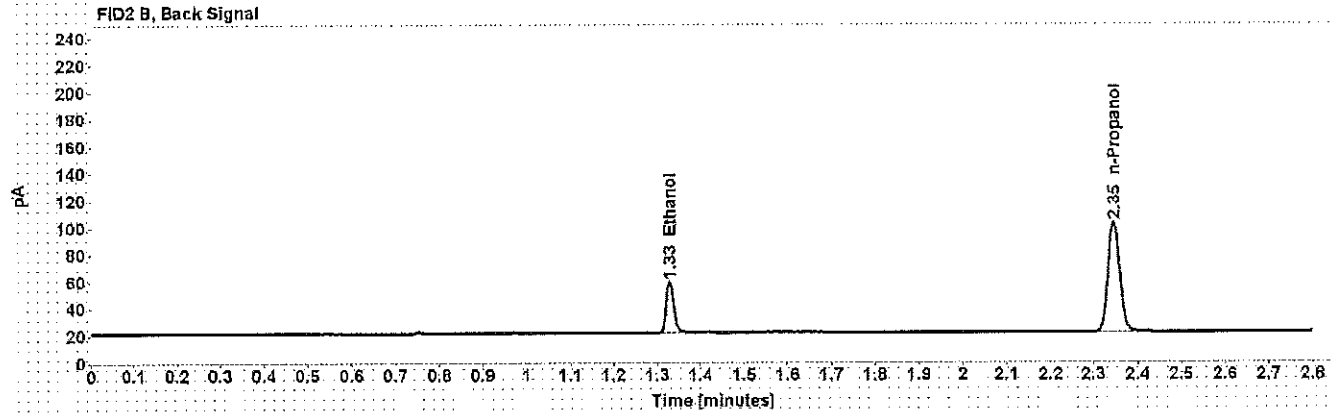
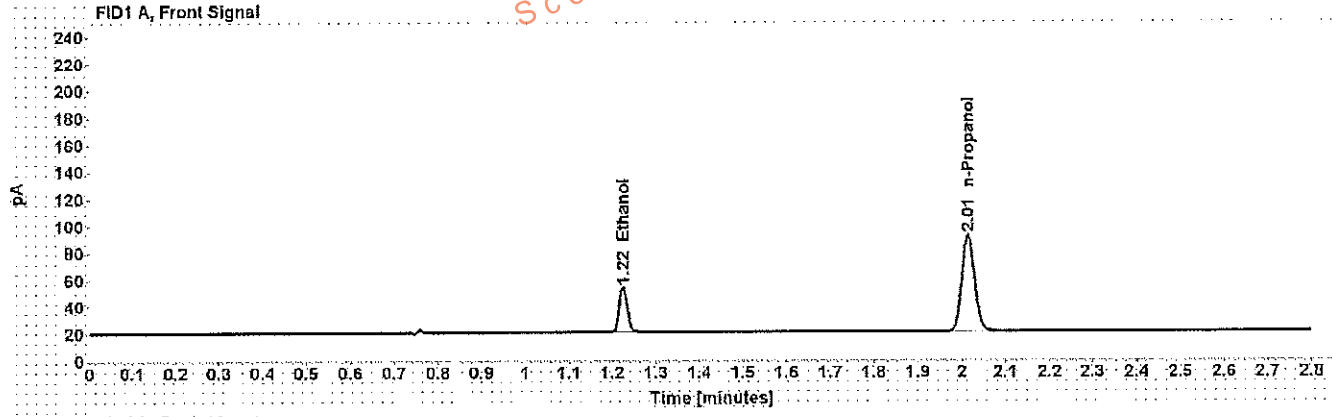


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0799	1.225	43.338
n-Propanol	-----	2.015	147.145

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

Compound	Time (min)	Peak Area
Ethanol	1.329	44.330
n-Propanol	2.346	151.401

Scottsdale Police Department Crime Lab Volatiles Analysis

WPA

Sample:	0.150 Lipomed 11012012-C	Item number:	
Injection date:	1/17/2017 7:06:07 PM	Vial:	31
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Datarsdtest3\17Jan17\31.D		

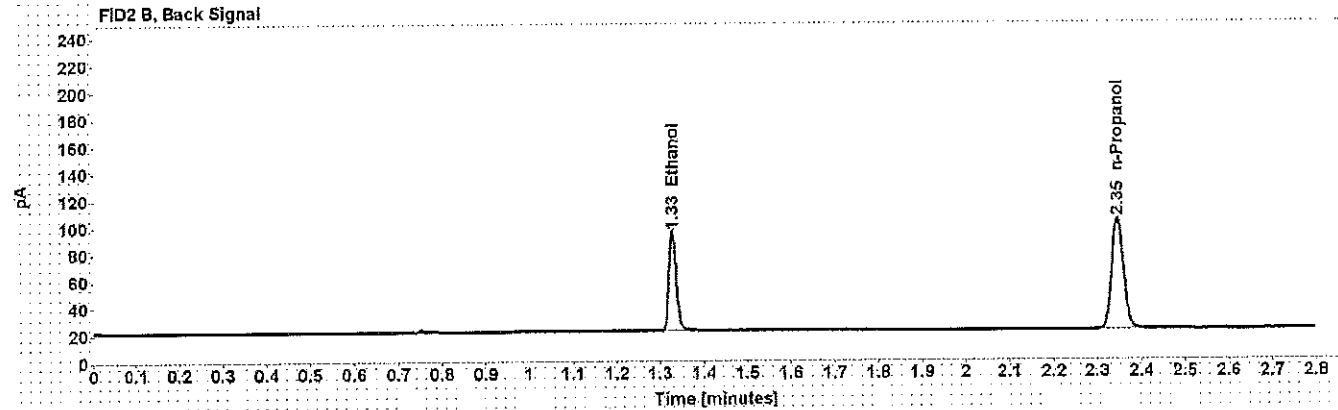
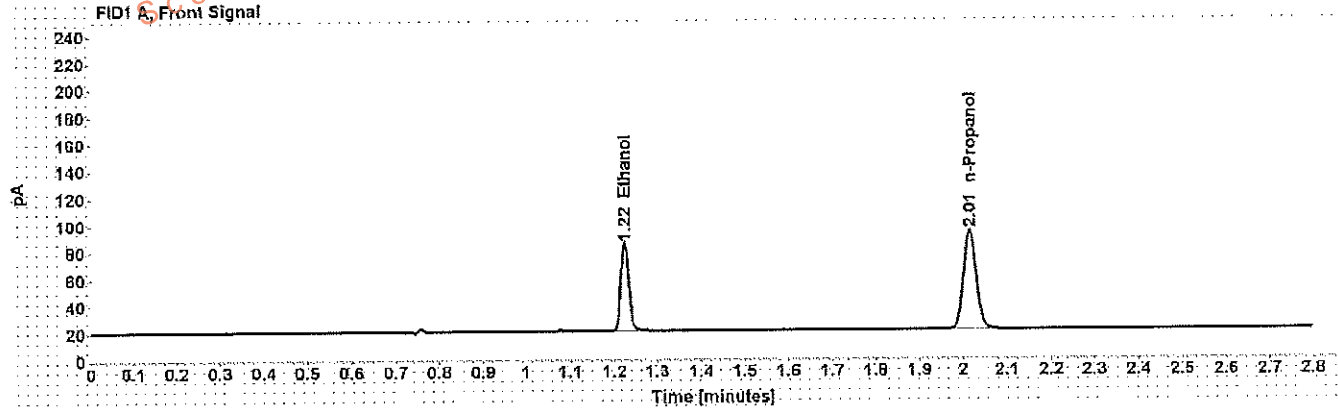


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1505	1.225	82.942
n-Propanol	-----	2.015	149.184

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

Compound	Time (min)	Peak Area
Ethanol	1.328	85.313
n-Propanol	2.346	153.513

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 1/17/2017 7:54:37 PM	Vial: 43
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rstdtest3\17Jan17\43.D	

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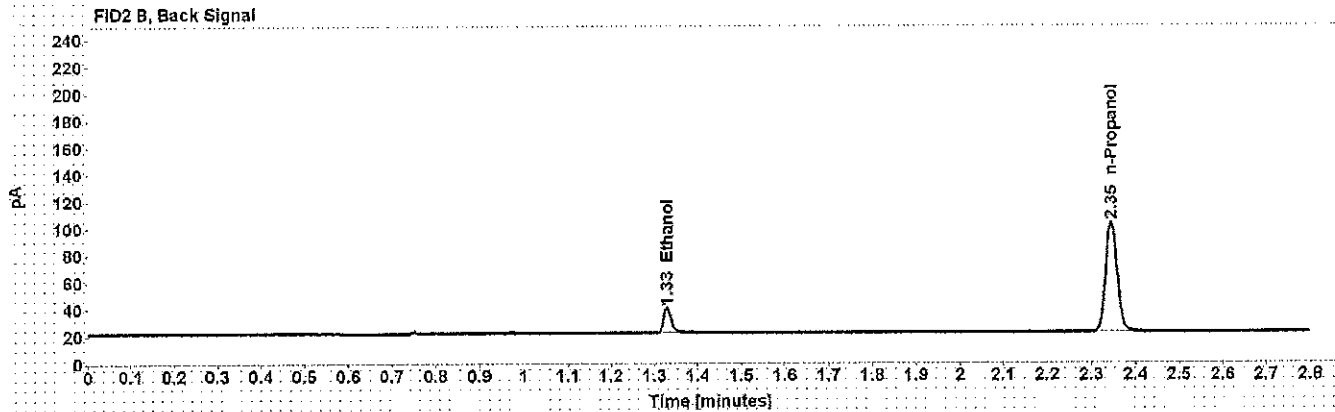
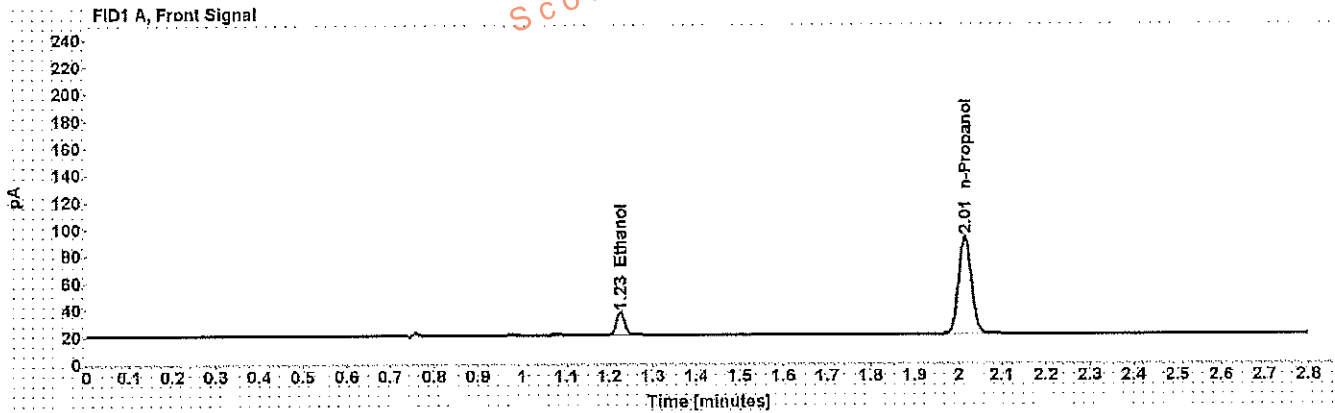


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0397	1.225	21.421
n-Propanol	-----	2.015	147.399

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

Compound	Time (min)	Peak Area
Ethanol	1.329	21.890
n-Propanol	2.345	151.473

Scottsdale Police Department Crime Lab Volatiles Analysis

WAT

Sample: 0.20 ACQ 402101060/6	Item number:
Injection date: 1/17/2017 7:58:38 PM	Vial: 44
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
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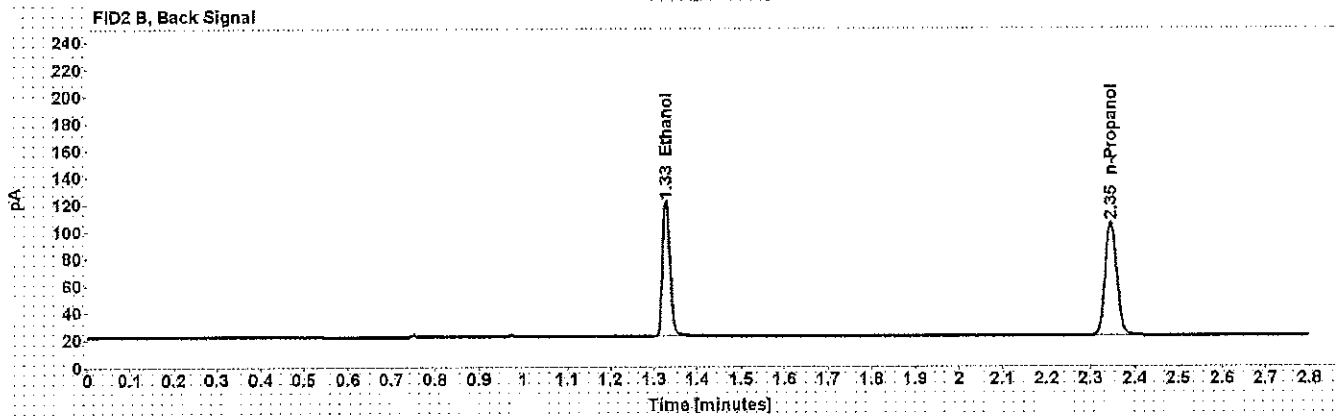
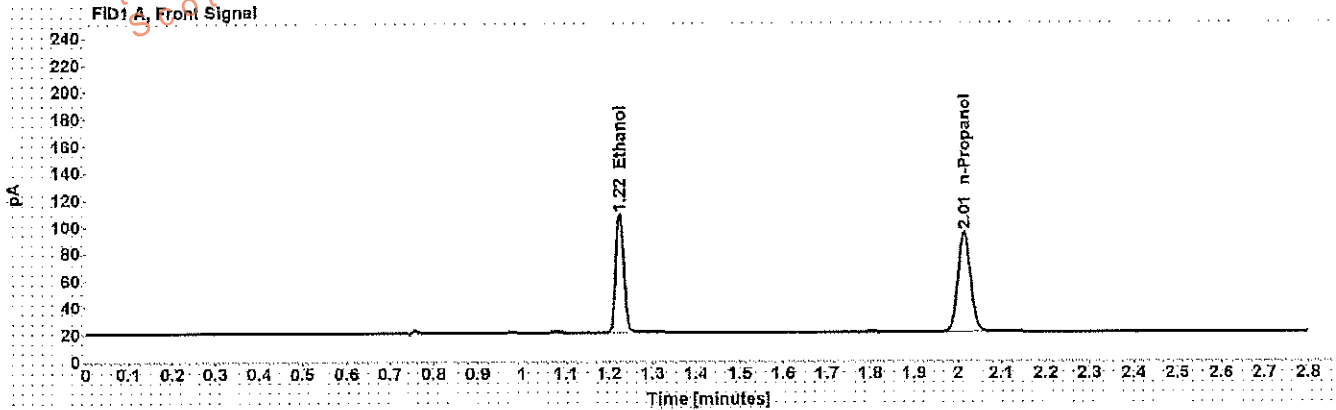


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2005	1.224	112.471
n-Propanol	-----	2.015	151.707

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

Compound	Time (min)	Peak Area
Ethanol	1.328	115.682
n-Propanol	2.346	156.272

Sequence Summary

Sequence name: 17Jan17 Instrument: US14173023 CN14160045 Analyst: Adrian

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN08101401	Calibration		ethanol quant.M
2	0.100 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.200 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.400 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 090816	Control		ethanol quant.M
6	volatiles mix 053116 WLA	Control		ethanol quant.M
7	0.400 Lipomed 05012012-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.20 ACQ 402101060/6	Control		ethanol quant.M
10		Sample	1078148	ethanol quant.M
11		Sample	1078148	ethanol quant.M
12		Sample	1129512	ethanol quant.M
13		Sample	1129512	ethanol quant.M
14		Sample	1109220	ethanol quant.M
15		Sample	1109220	ethanol quant.M
16		Sample	1129773	ethanol quant.M
17		Sample	1129773	ethanol quant.M
18		Sample	1126187	ethanol quant.M
19		Sample	1126187	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1127605	ethanol quant.M
22		Sample	1127605	ethanol quant.M
23		Sample	1126659	ethanol quant.M
24		Sample	1126659	ethanol quant.M
25		Sample	1126829	ethanol quant.M
26		Sample	1126829	ethanol quant.M
27		Sample	1126657	ethanol quant.M
28		Sample	1126657	ethanol quant.M
29		Sample	1111062	ethanol quant.M
30		Sample	1111062	ethanol quant.M
31	0.150 Lipomed 11012012-C	Control		ethanol quant.M
32		Sample	1103305	ethanol quant.M
33		Sample	1103305	ethanol quant.M
34		Sample	1128597	ethanol quant.M
35		Sample	1128597	ethanol quant.M
36		Sample	1127716	ethanol quant.M
37		Sample	1127716	ethanol quant.M
38		Sample	1128022	ethanol quant.M
39		Sample	1128022	ethanol quant.M
40		Sample	1127607	ethanol quant.M
41		Sample	1127607	ethanol quant.M
42	0.40 Lipomed 05012012-C	Control		ethanol quant.M
43	0.04 Lipomed 09022015-A	Control		ethanol quant.M
44	0.20 ACQ 402101060/6	Control		ethanol quant.M
45	blank 090816	Control		ethanol quant.M

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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1078148
Injection date: 1/17/2017 5:41:06 PM	Vial: 10
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Dat\rsdtest3\17Jan17\10.D	

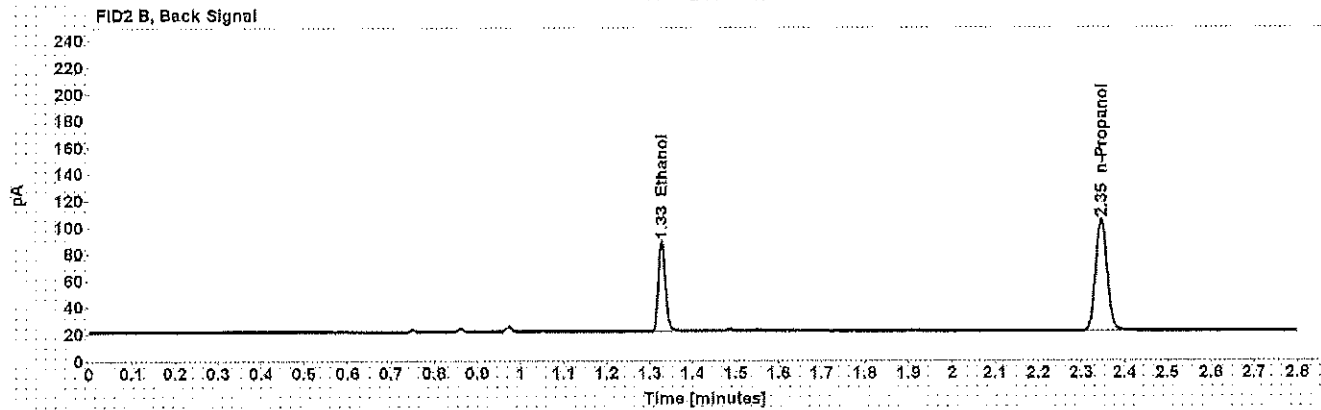
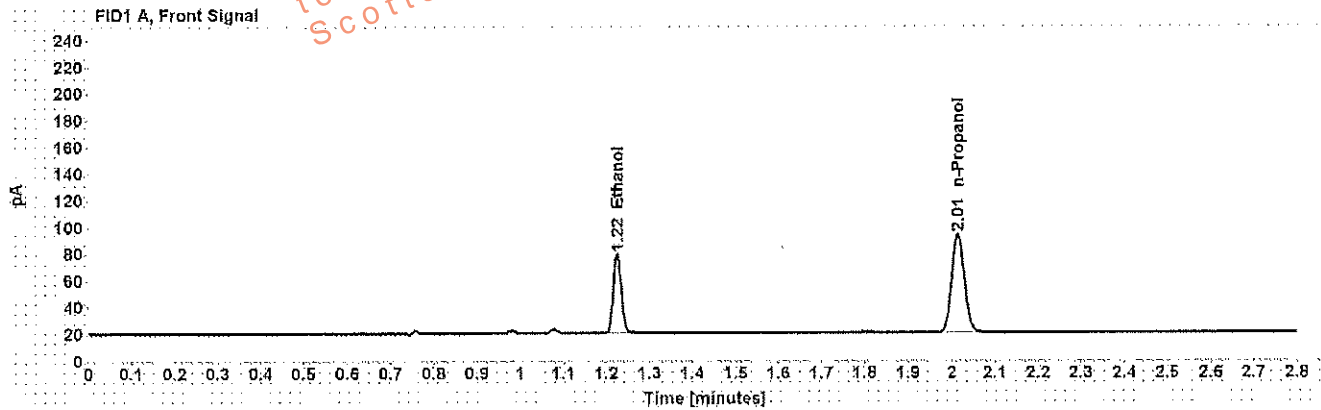


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1374	1.225	76.130
n-Propanol	-----	2.015	149.996

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

Compound	Time (min)	Peak Area
Ethanol	1.328	78.429
n-Propanol	2.346	154.676

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1078148
Injection date: 1/17/2017 5:45:06 PM	Vial: 11
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsctest3\17Jan17\11.D	

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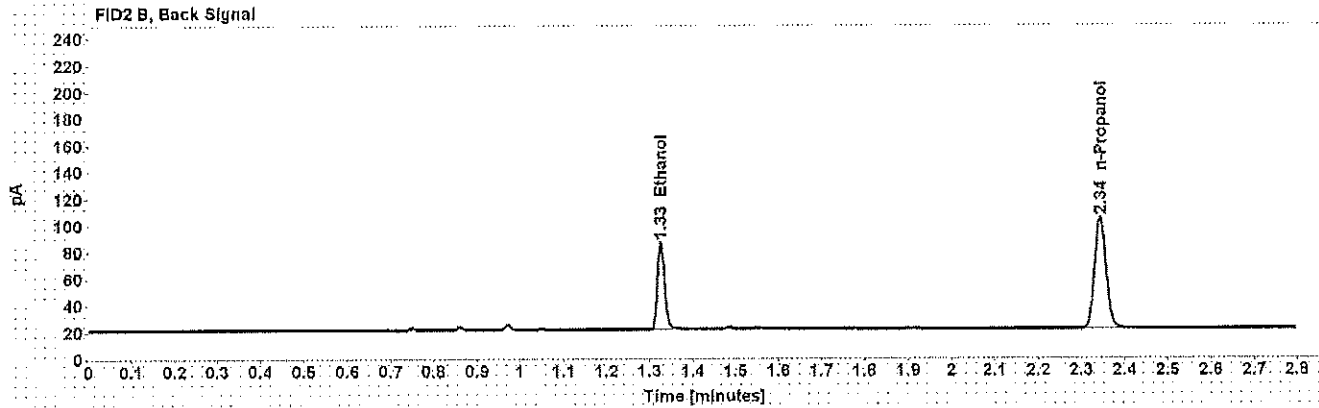
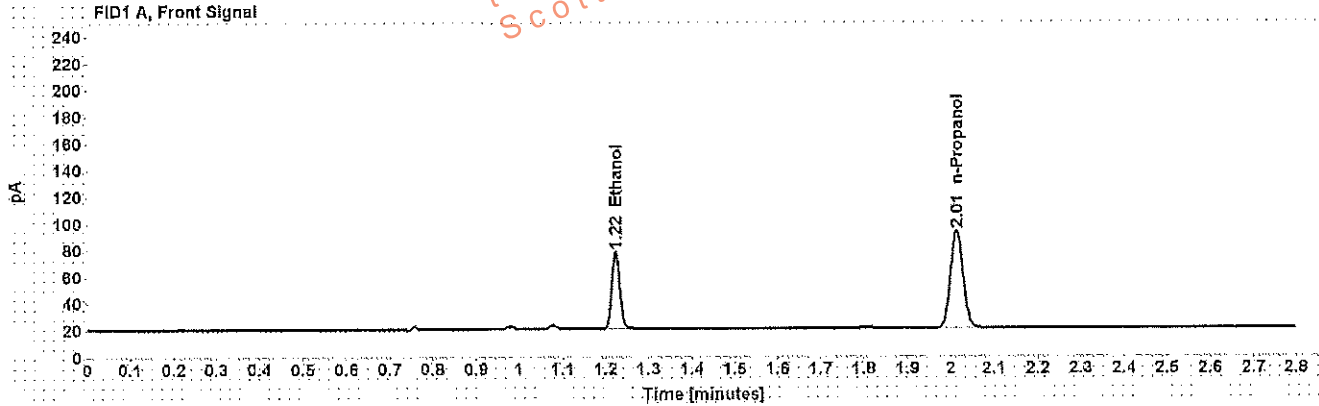


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1341	1.223	74.270
n-Propanol	-----	2.013	149.985

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

Compound	Time (min)	Peak Area
Ethanol	1.326	76.424
n-Propanol	2.343	154.784

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1129512
Injection date: 1/17/2017 5:49:08 PM	Vial: 12
Method: ethanol.quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\rsdtest3\17Jan17\12.D	

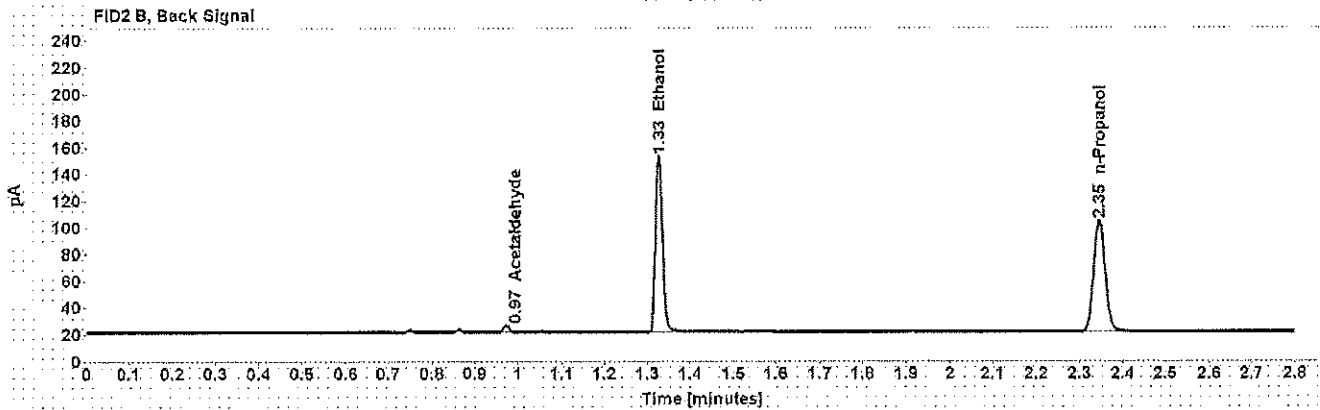
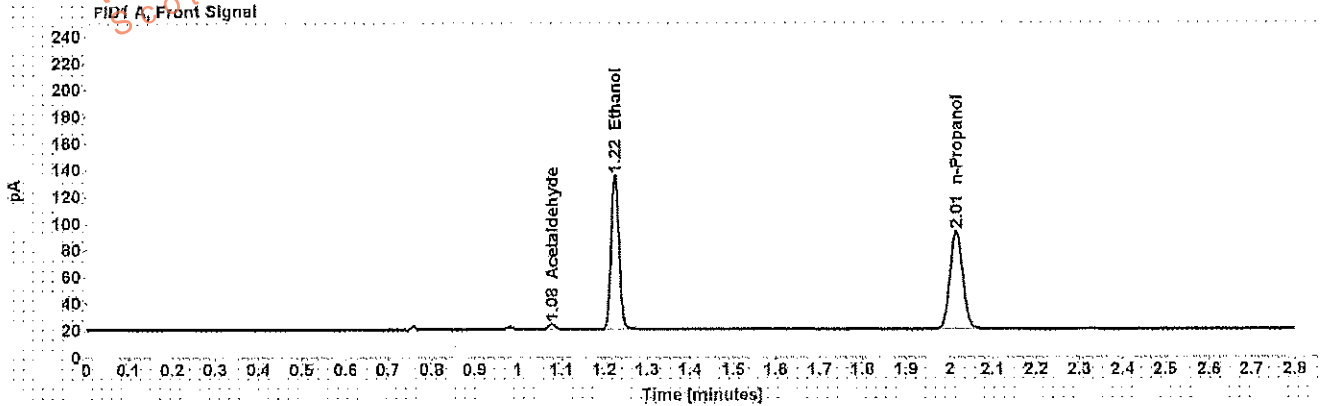


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.373
>Ethanol	0.2670	1.224	147.519
n-Propanol	-----	2.015	149.346

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.682
Ethanol	1.327	152.205
n-Propanol	2.346	153.888

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1129512
Injection date: 1/17/2017 5:53:23 PM	Vial: 13
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\rsdtest3\17Jan17\13.D	

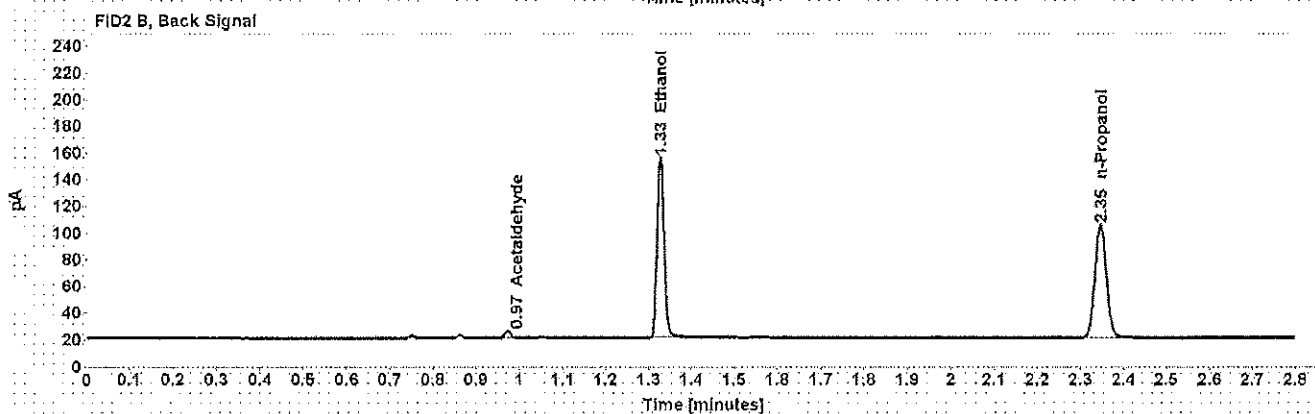
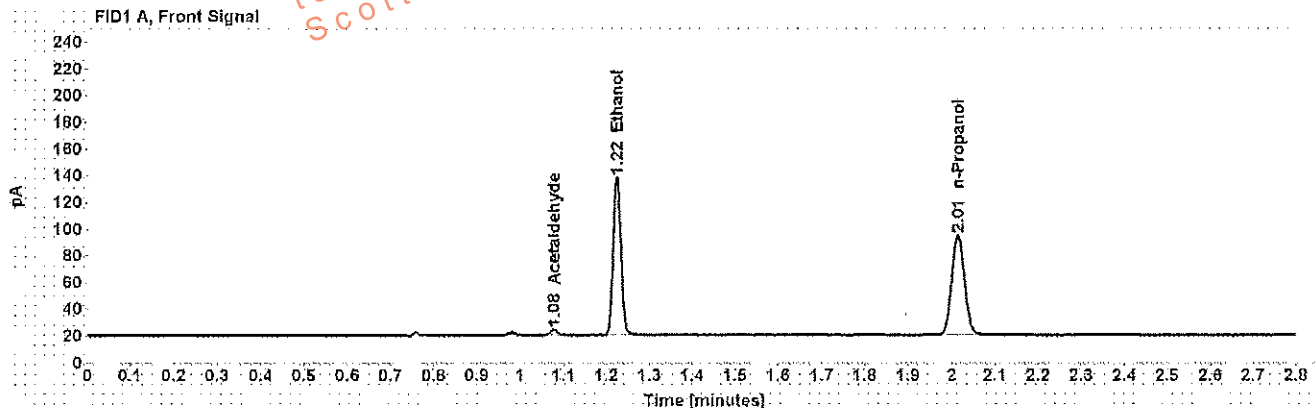


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.387
>Ethanol	0.2693	1.224	151.370
n-Propanol	-----	2.015	151.940

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.699
Ethanol	1.328	156.195
n-Propanol	2.346	156.408

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: [REDACTED]	Item number: 1109220
Injection date: 1/17/2017 5:57:22 PM	Vial: 14
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsdtest3\17Jan17\14.D	

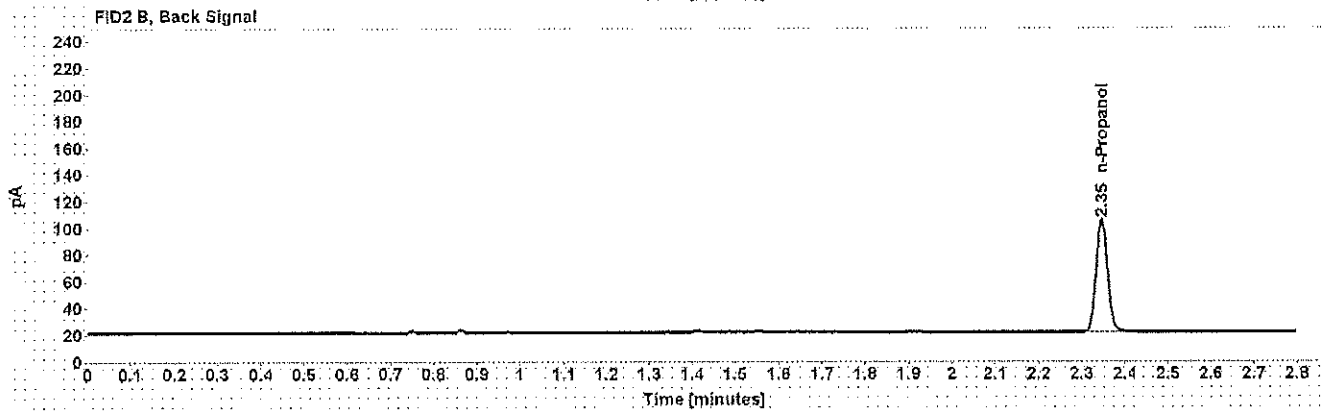
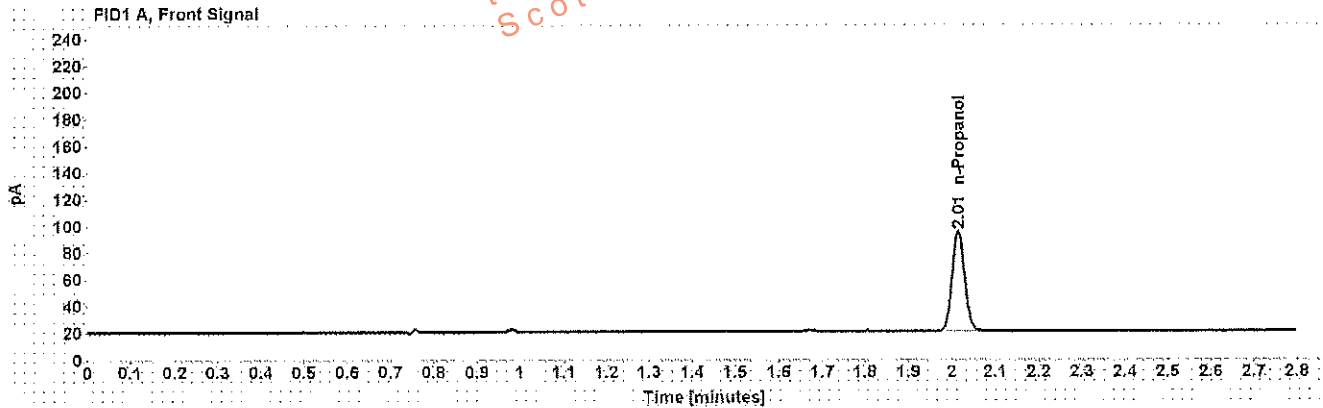


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	151.969

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	157.021

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1109220
Injection date: 1/17/2017 6:01:23 PM	Vial: 15
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
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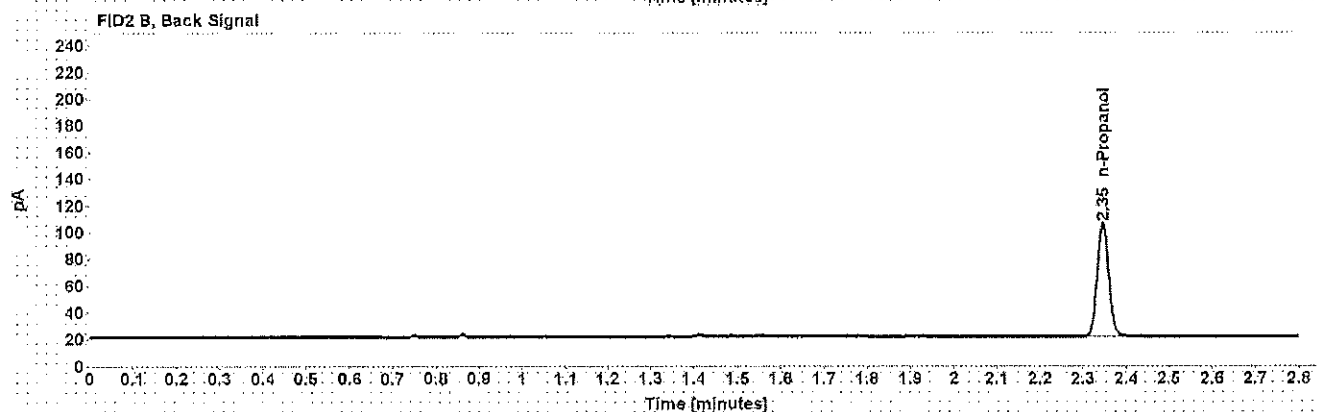
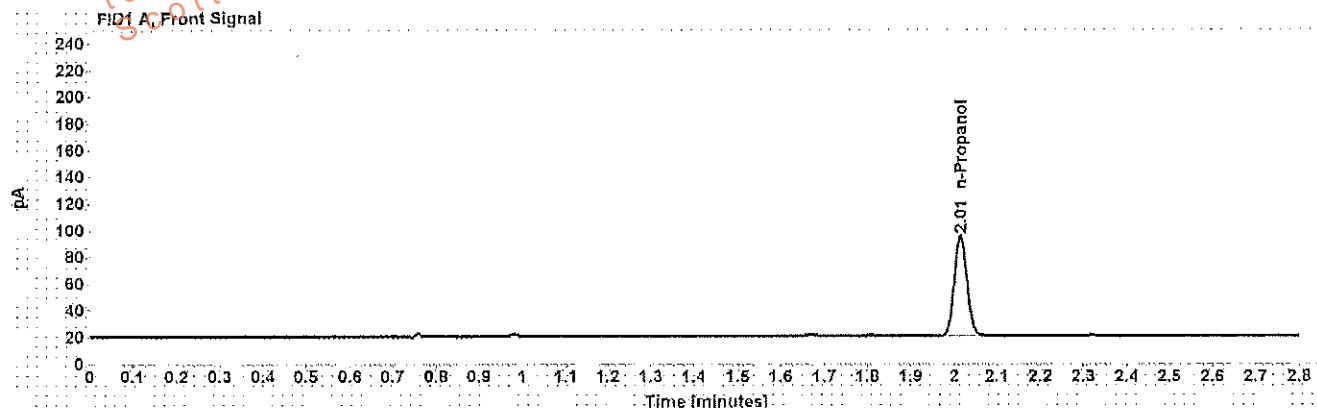


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	152.429

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

Compound	Time (min)	Peak Area
n-Propanol	2.346	157.459

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1129773
Injection date: 1/17/2017 6:05:22 PM	Vial: 16
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\rsctest3\17Jan17\16.D	

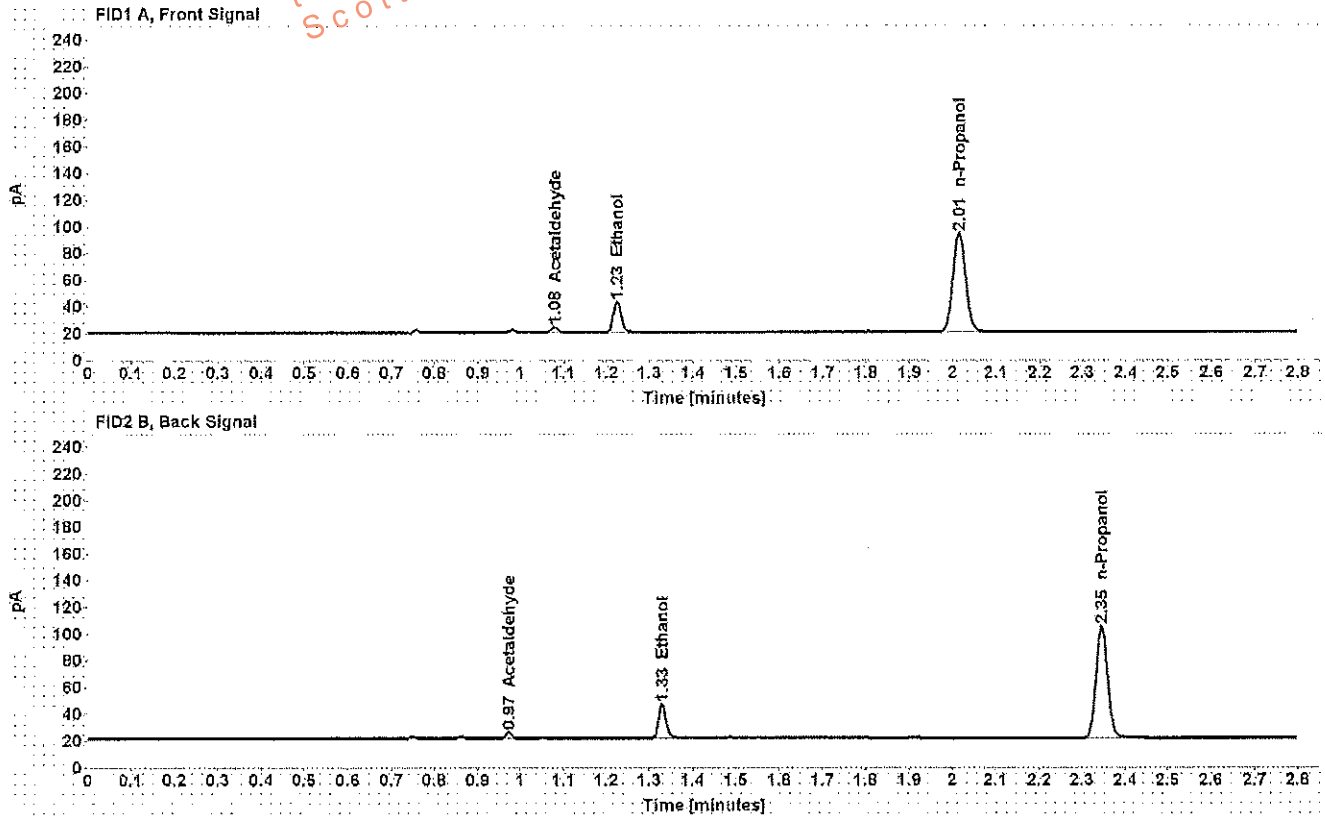


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.022
>Ethanol	0.0528	1.225	29.260
n-Propanol	-----	2.015	150.851

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.301
Ethanol	1.329	30.361
n-Propanol	2.346	155.417

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1129773
Injection date: 1/17/2017 6:09:22 PM	Vial: 17
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsdtest3\17Jan17\17.D	

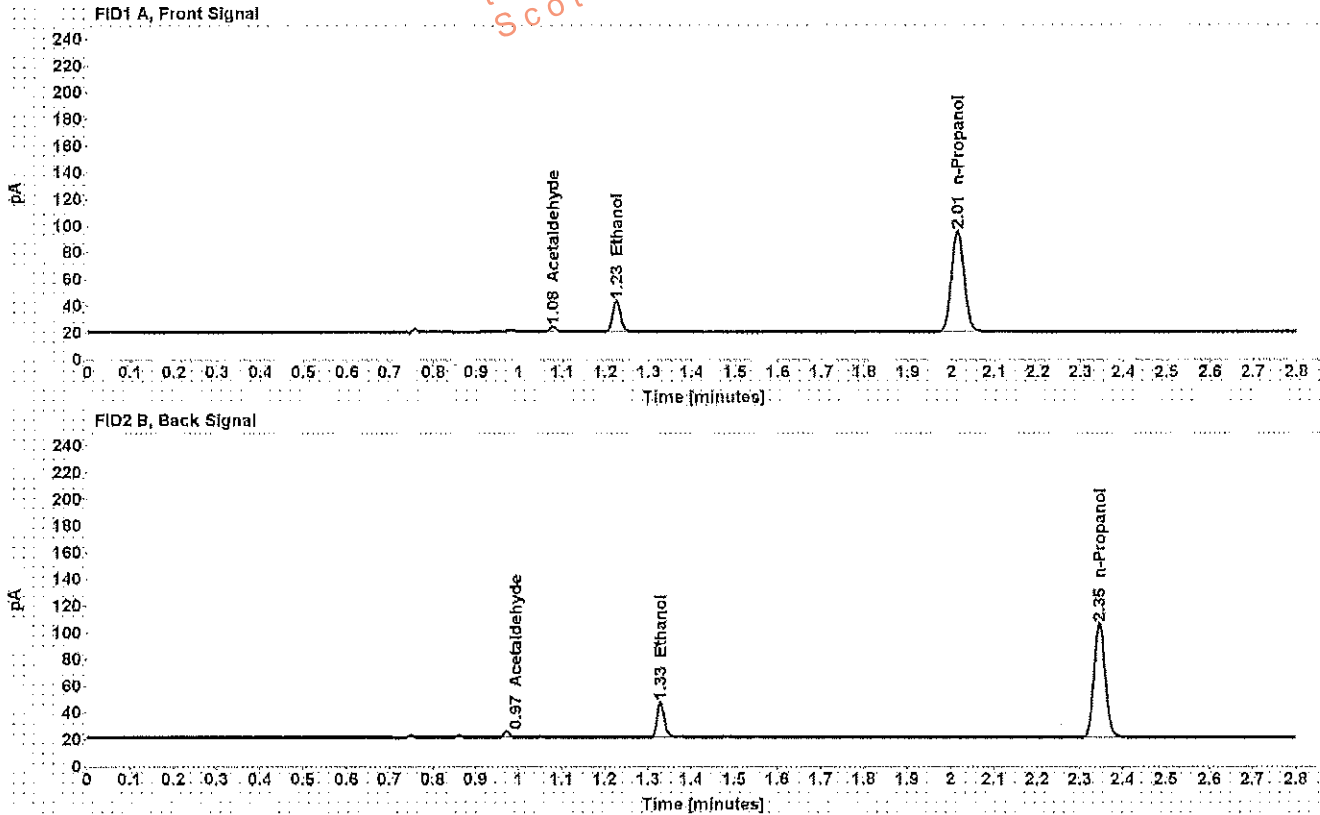


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.025
>Ethanol	0.0526	1.225	29.712
n-Propanol	-----	2.015	153.719

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.291
Ethanol	1.329	30.884
n-Propanol	2.346	158.178

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1126187
Injection date: 1/17/2017 6:13:23 PM	Vial: 18
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem321\Data\rsdtest3\17Jan17\18.D	

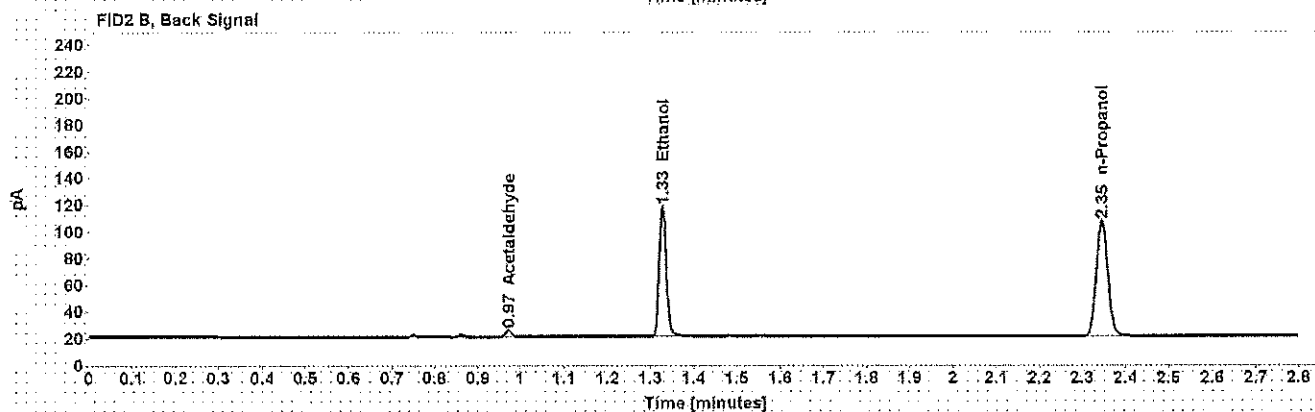
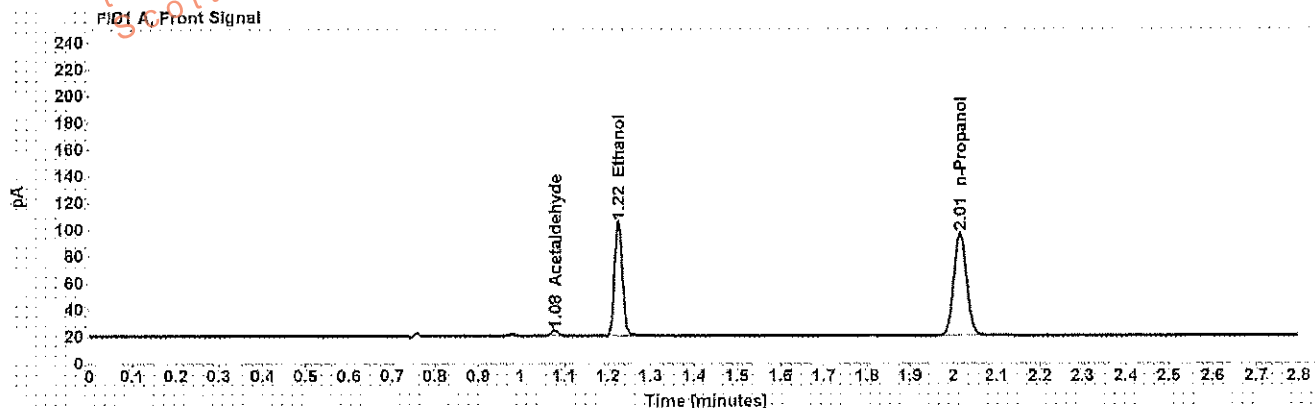


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.229
>Ethanol	0.1898	1.224	109.449
n-Propanol	-----	2.015	156.033

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.493
Ethanol	1.328	112.655
n-Propanol	2.346	160.468

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] **Item number:** 1126187
Injection date: 1/17/2017 6:17:38 PM **Vial:** 19
Method: ethanol quant.M **Sequence:** 17Jan17
Instrument: US14173023 CN14160045 **Analyst:** Adrian
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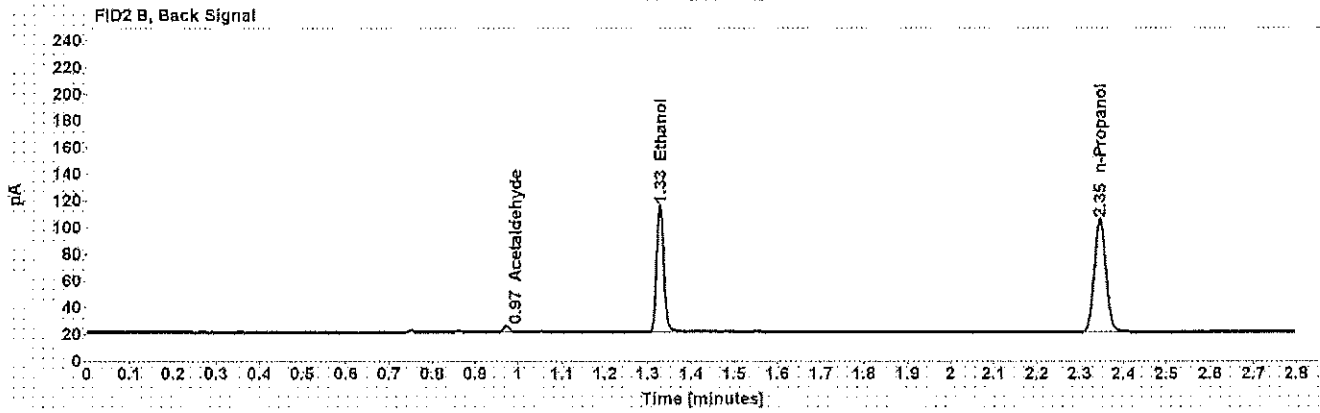
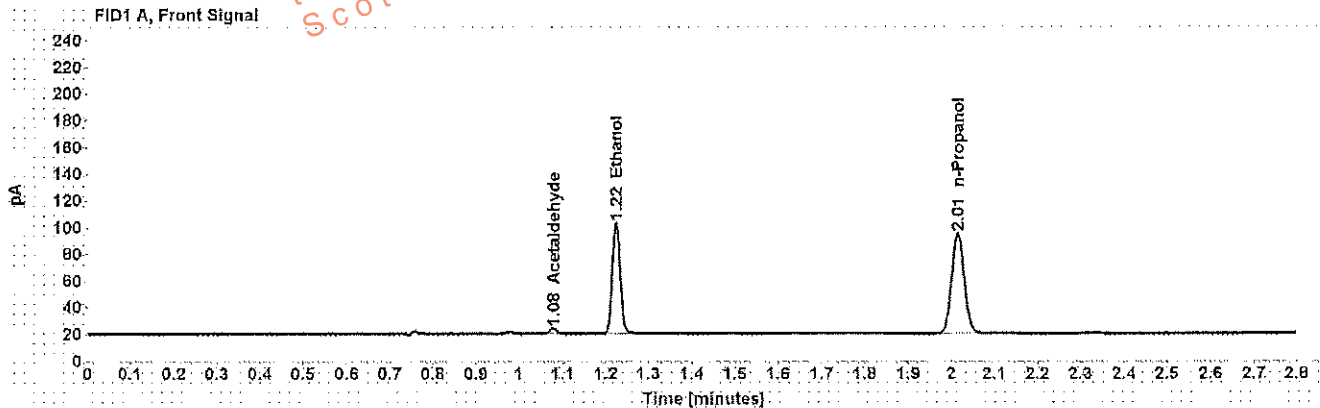


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.071
>Ethanol	0.1894	1.224	106.427
n-Propanol	-----	2.015	152.054

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.394
Ethanol	1.328	109.730
n-Propanol	2.346	156.578

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1127605
Injection date:	1/17/2017 6:25:37 PM	Vial:	21
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11Data\rsdtest3\17Jan17\21.D		

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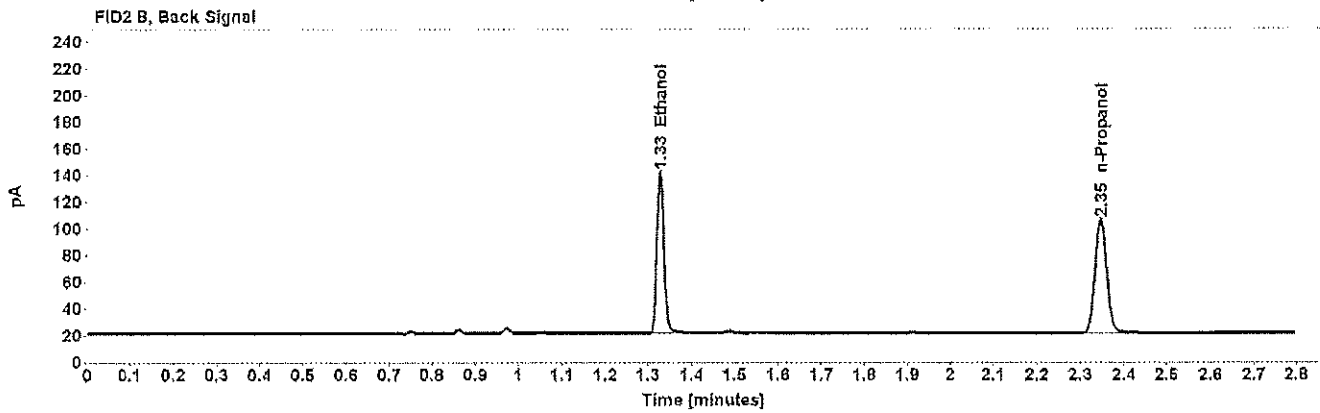
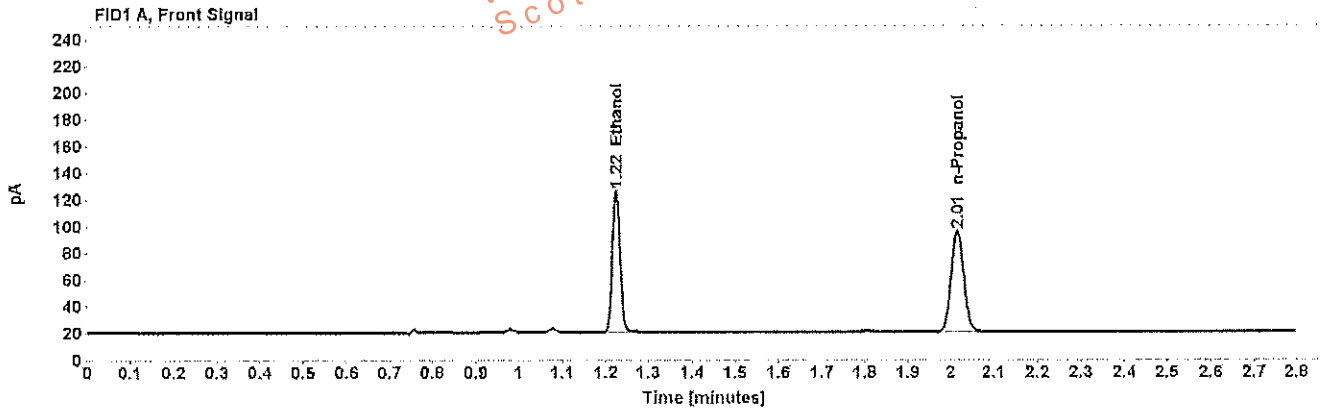


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2389	1.224	135.852
n-Propanol	-----	2.015	153.762

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

Compound	Time (min)	Peak Area
Ethanol	1.328	140.024
n-Propanol	2.346	158.483

Case: [redacted] User: wadrian 1/18/2017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [redacted] Item number: 1127605
Injection date: 1/17/2017 6:29:37 PM Vial: 22
Method: ethanol quant.M Sequence: 17Jan17
Instrument: US14173023 CN14160045 Analyst: Adrian
Data file: C:\Chem32\11\Data\rsctest3\17Jan17\22.D

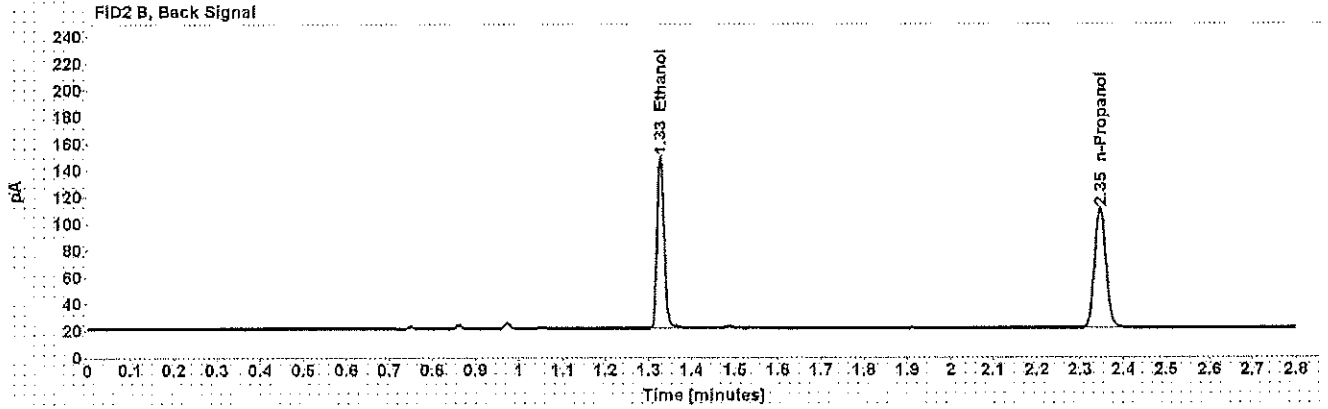
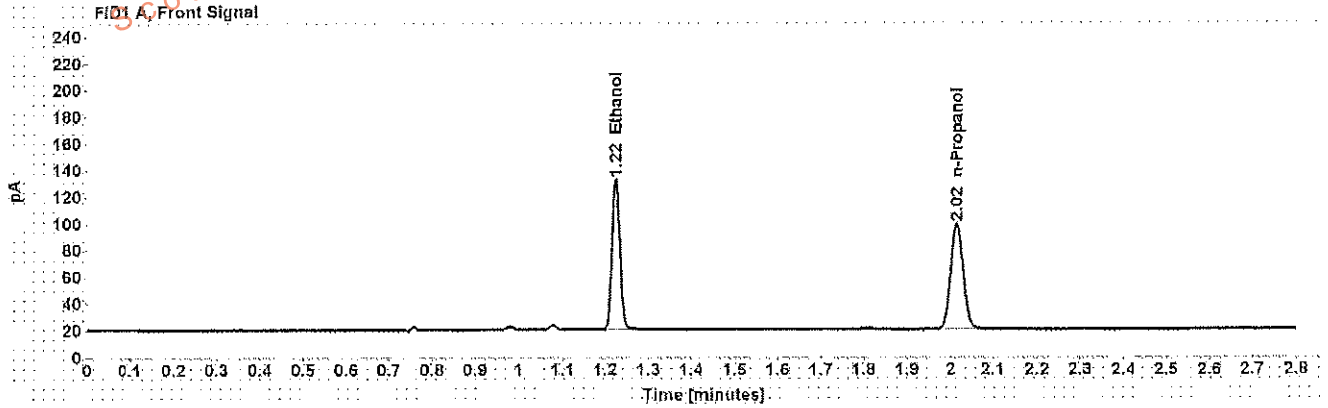


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2418	1.224	144.021
n-Propanol	-----	2.015	161.028

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

Compound	Time (min)	Peak Area
Ethanol	1.328	148.782
n-Propanol	2.346	166.034

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1126659
Injection date:	1/17/2017 6:33:36 PM	Vial:	23
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem3211 Data\rsctest3\17Jan17\23.D		

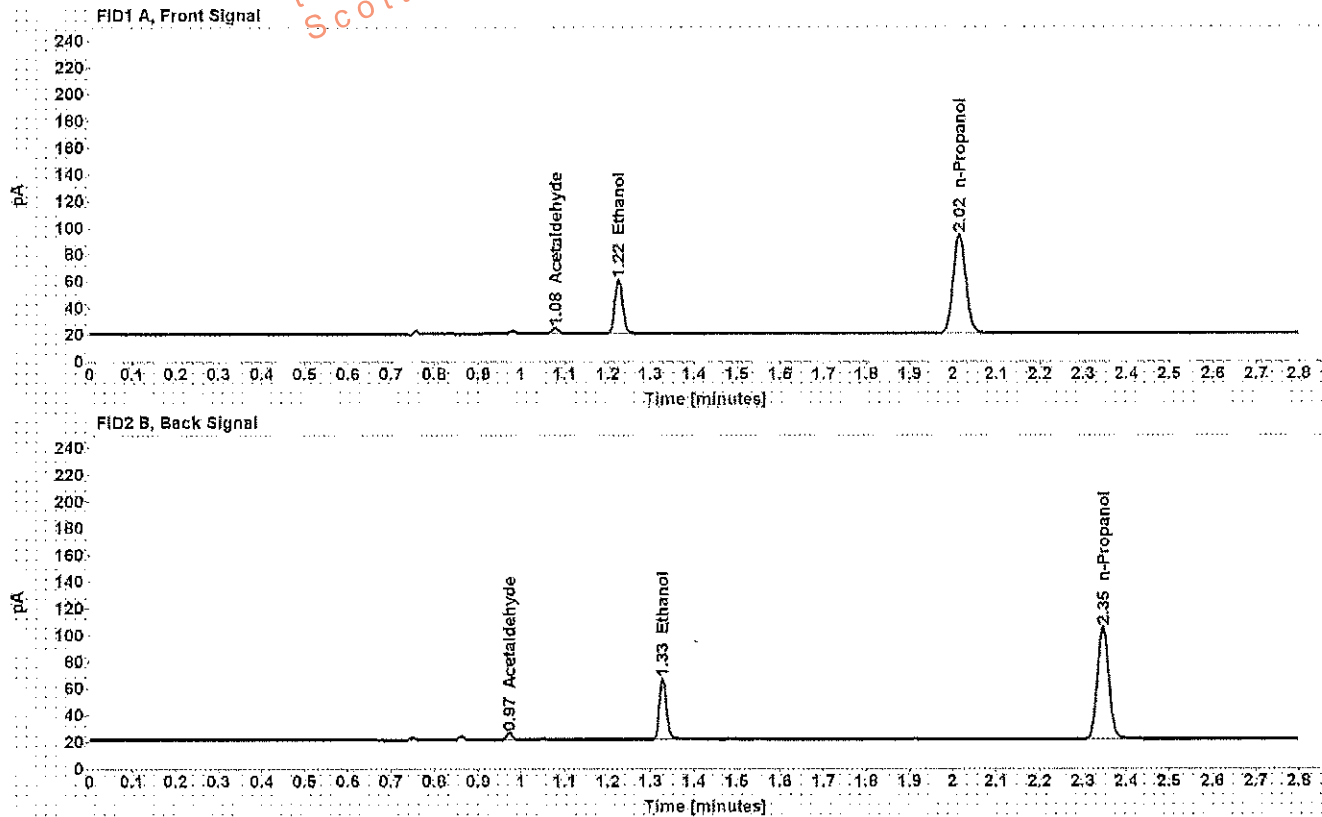


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.172
>Ethanol	0.0922	1.225	51.407
n-Propanol	-----	2.015	151.113

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.490
Ethanol	1.329	52.756
n-Propanol	2.346	155.758

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1126659
Injection date:	1/17/2017 6:37:37 PM	Vial:	24
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\11Data\rsdtest3\17Jan17\24.D		

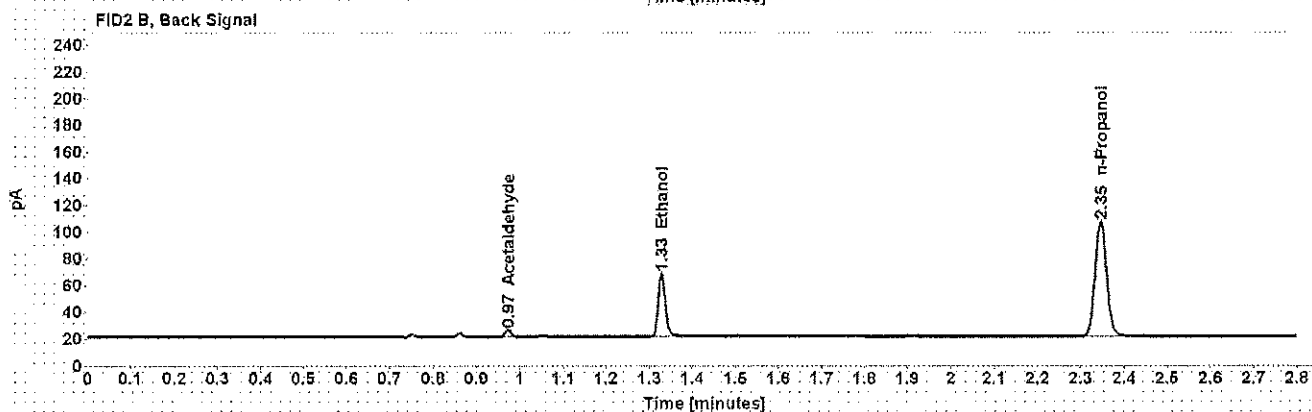
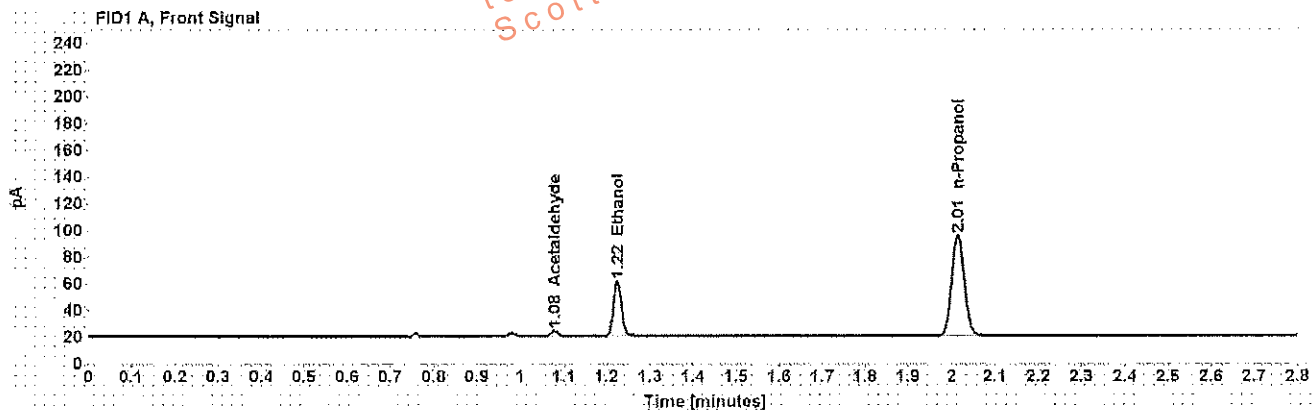


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.104
>Ethanol	0.0932	1.225	53.156
n-Propanol	-----	2.015	154.577

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.378
Ethanol	1.328	54.789
n-Propanol	2.348	159.313

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1126829
Injection date: 1/17/2017 6:41:54 PM	Vial: 25
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
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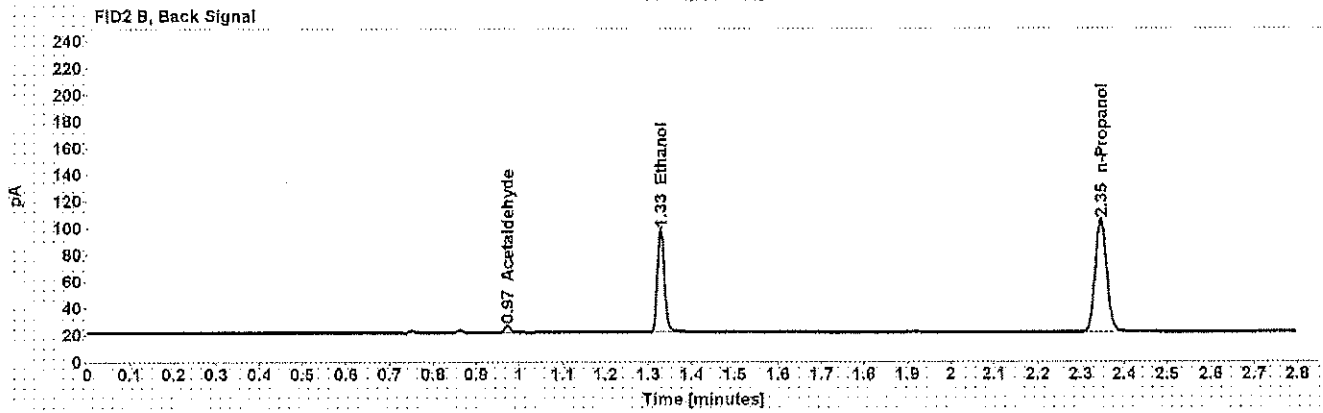
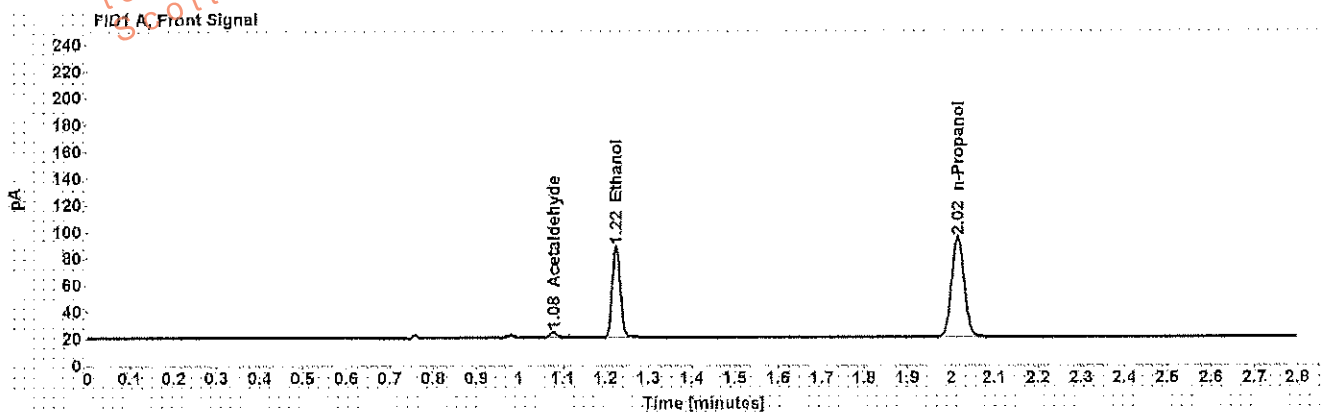


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.333
>Ethanol	0.1549	1.225	86.787
n-Propanol	-----	2.015	151.847

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.633
Ethanol	1.328	89.318
n-Propanol	2.346	156.374

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1126829
Injection date:	1/17/2017 6:45:52 PM	Vial:	26
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
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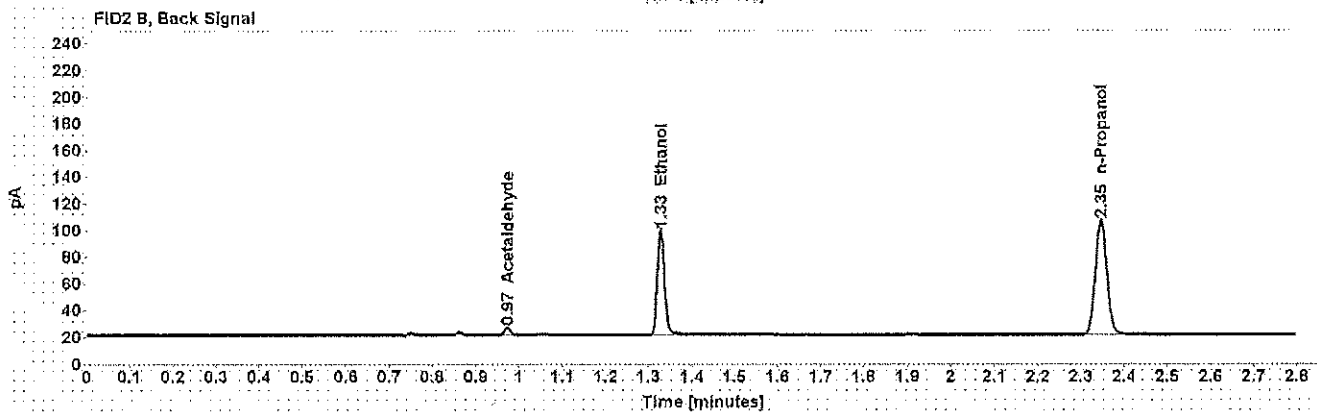
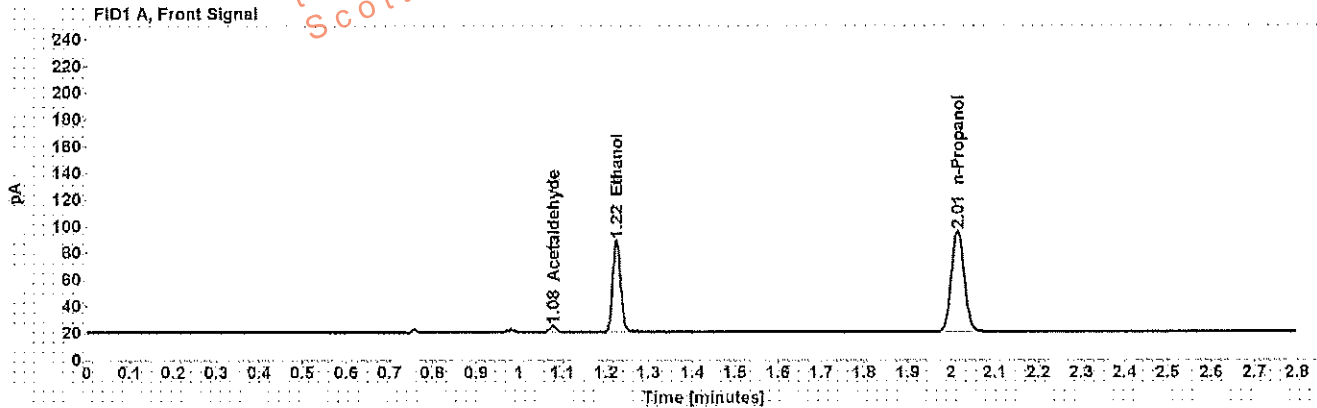


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.487
>Ethanol	0.1543	1.225	87.924
n-Propanol	-----	2.015	154.199

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.834
Ethanol	1.328	90.574
n-Propanol	2.346	158.968

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1126657
Injection date: 1/17/2017 6:49:52 PM	Vial: 27
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
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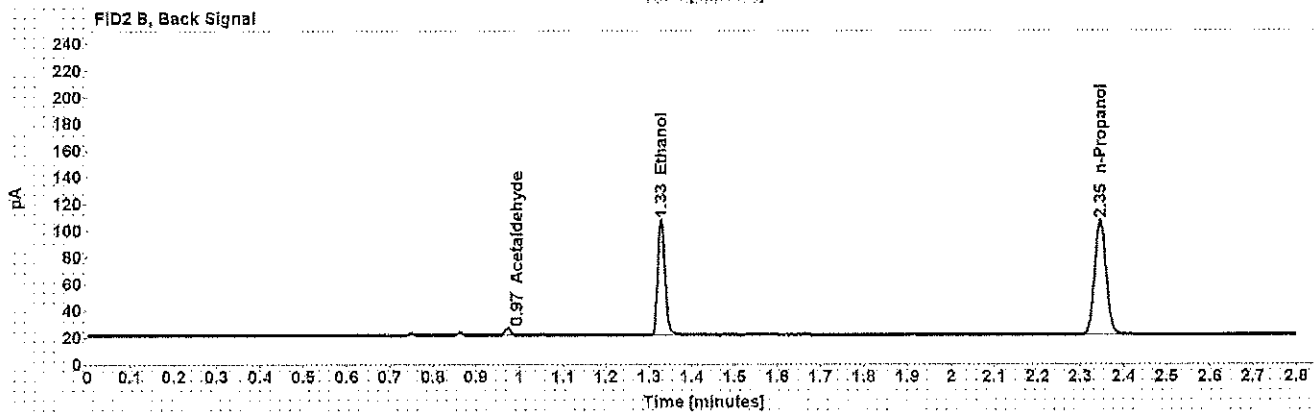
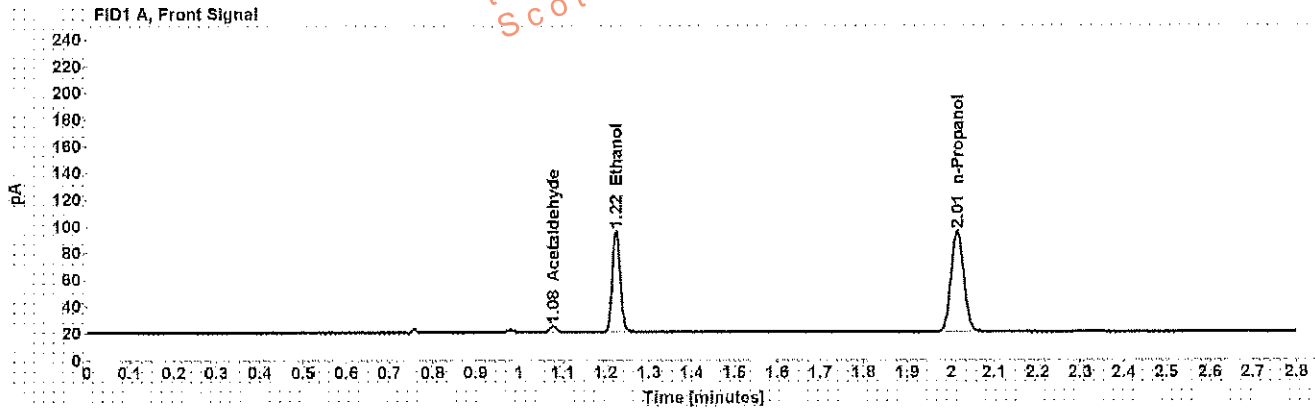


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.662
>Ethanol	0.1709	1.224	97.375
n-Propanol	-----	2.015	154.208

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.964
Ethanol	1.328	100.219
n-Propanol	2.346	158.786

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1126657
Injection date: 1/17/2017 6:53:52 PM	Vial: 28
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
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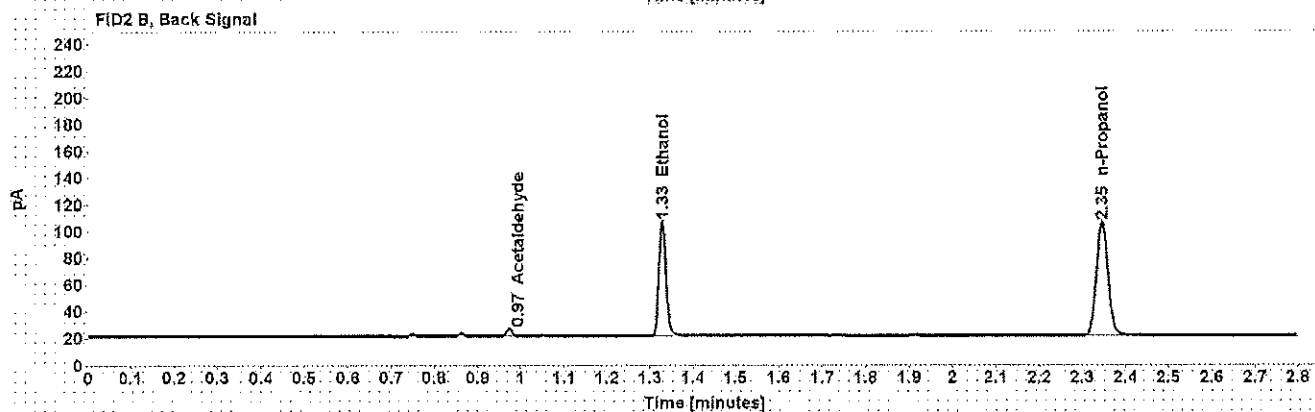
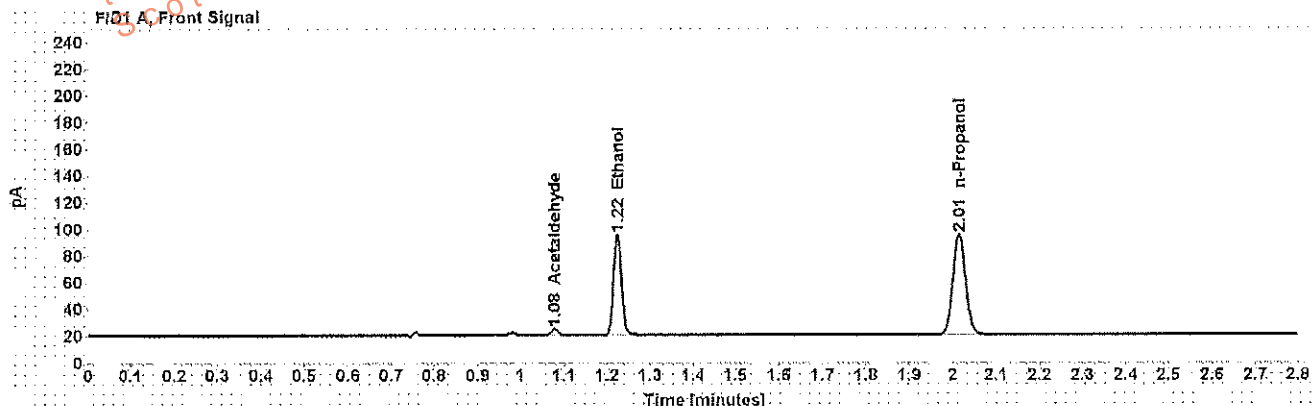


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.655
>Ethanol	0.1705	1.224	96.584
n-Propanol	-----	2.015	153.246

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.977
Ethanol	1.328	99.395
n-Propanol	2.346	157.781

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample: [REDACTED]	Item number: 1111062
Injection date: 1/17/2017 6:57:53 PM	Vial: 29
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Dat\rsdtest3\17Jan17\29.D	

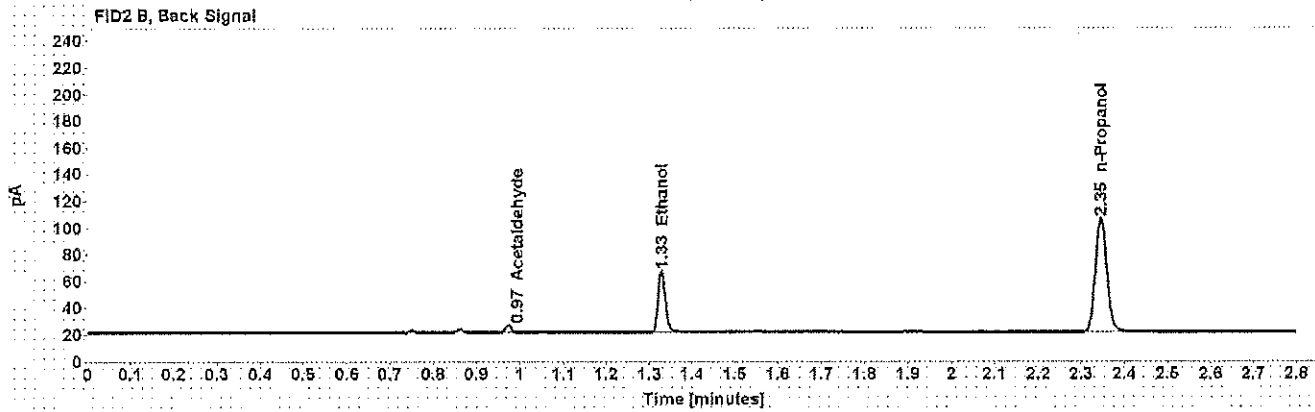
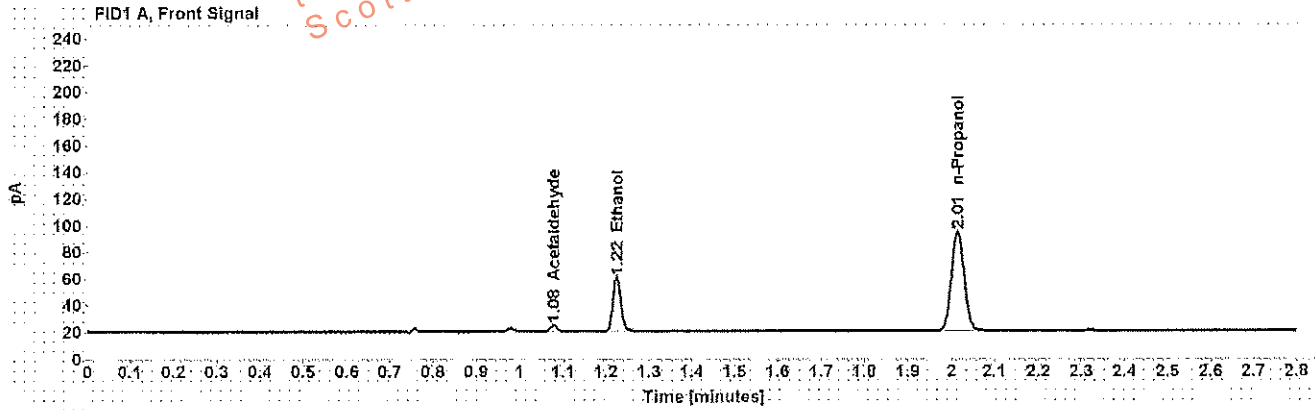


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.632
>Ethanol	0.0926	1.225	52.018
n-Propanol	-----	2.015	152.379

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.941
Ethanol	1.328	53.288
n-Propanol	2.346	157.035

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1111082
Injection date:	1/17/2017 7:01:53 PM	Vial:	30
Method:	ethanol quant.M	Sequence:	17Jan17
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\rsdtest3\17Jan17\30.D		

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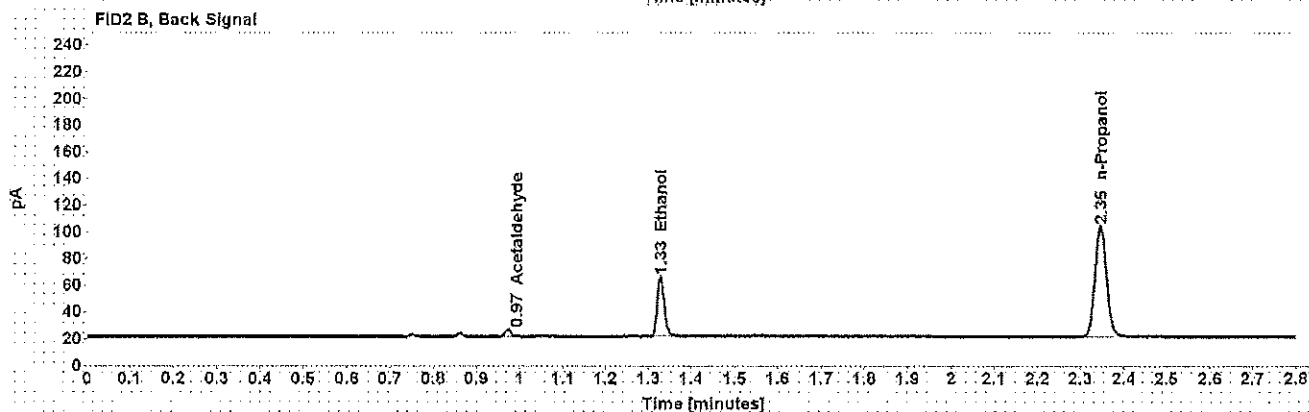
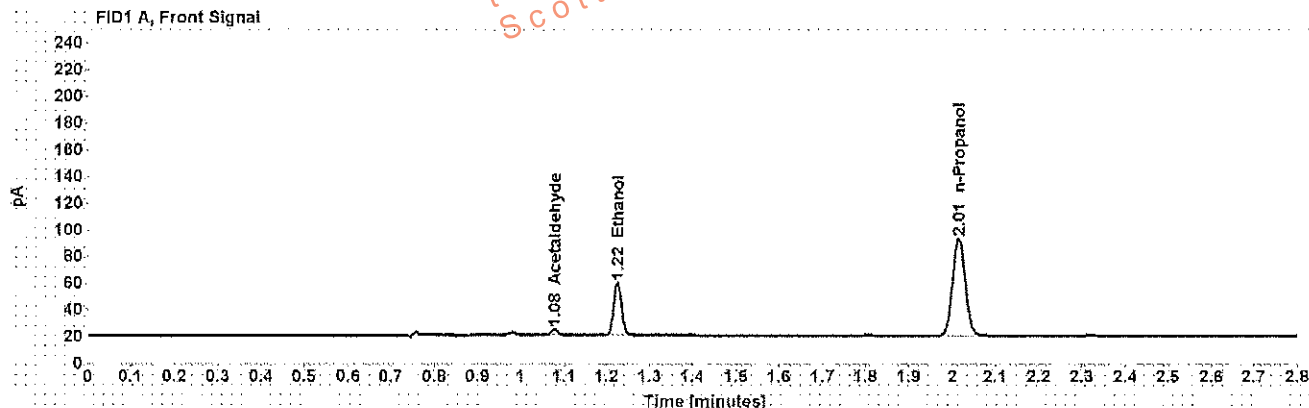


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.550
>Ethanol	0.0923	1.225	50.767
n-Propanol	-----	2.015	149.215

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.872
Ethanol	1.329	51.983
n-Propanol	2.346	153.784

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1103305
Injection date: 1/17/2017 7:10:08 PM	Vial: 32
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsdtest3\17Jan17\32.D	

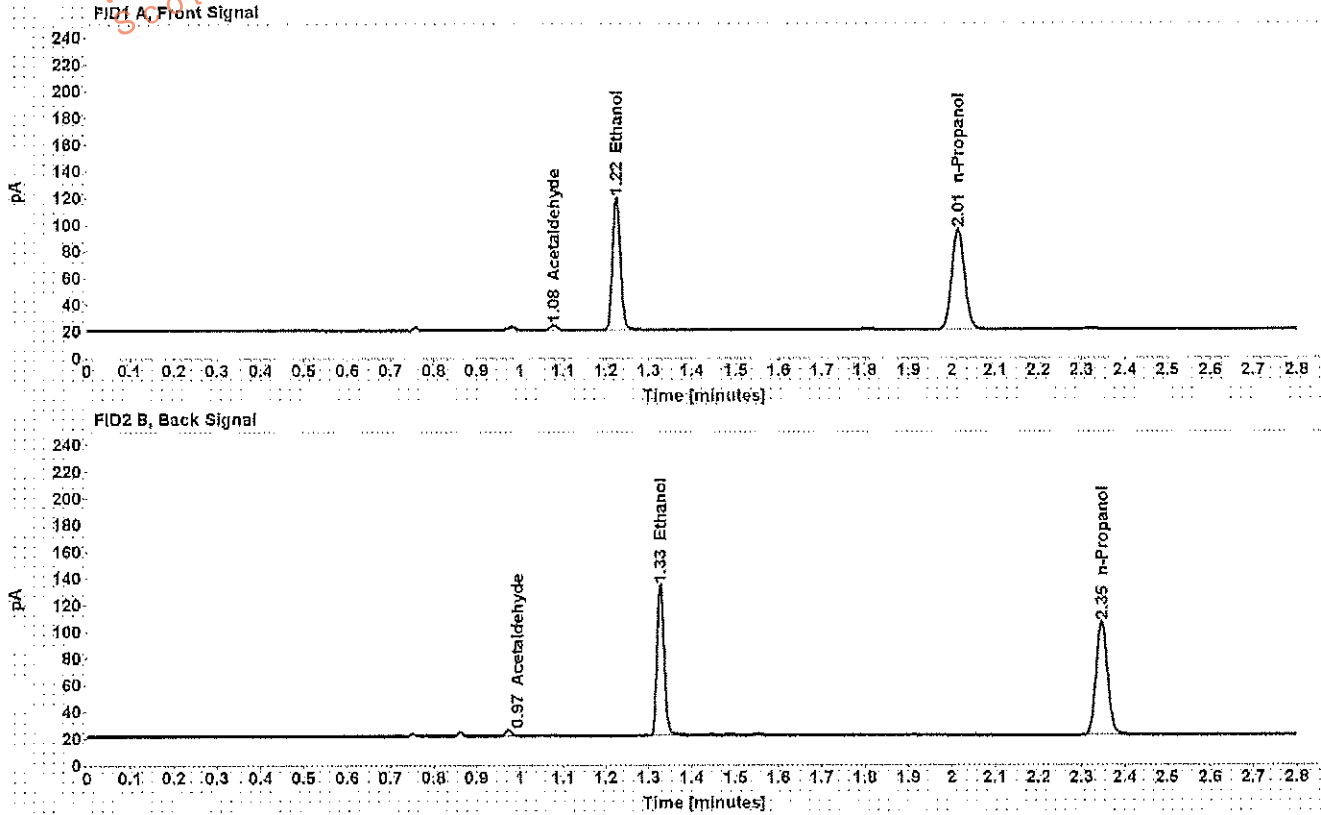


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	3.837
>Ethanol	0.2248	1.224	126.847
n-Propanol	-----	2.015	152.595

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.144
Ethanol	1.328	130.710
n-Propanol	2.346	157.234

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1128597
Injection date: 1/17/2017 7:18:08 PM	Vial: 34
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\rsdtest3117Jan17\34.D	

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Scottsdale City Prosecutor

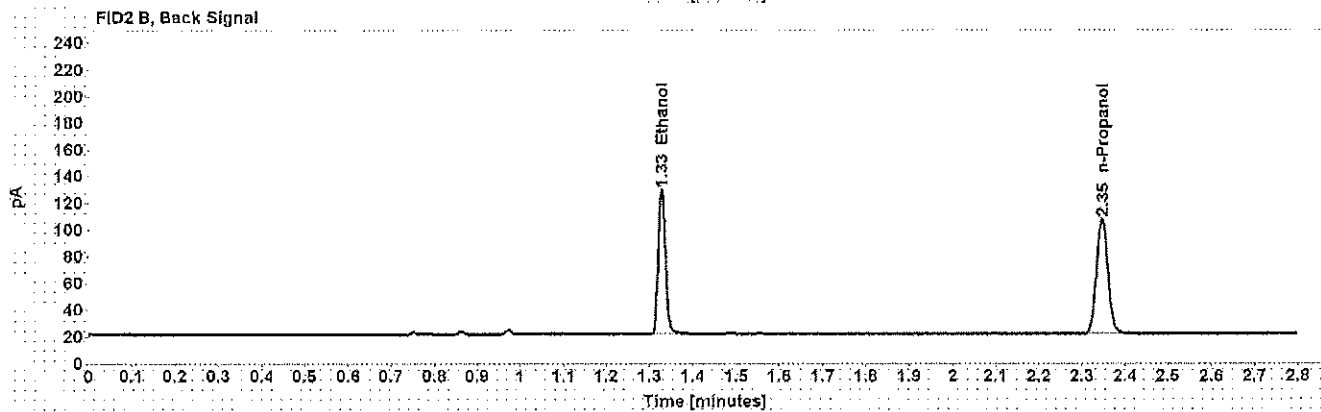
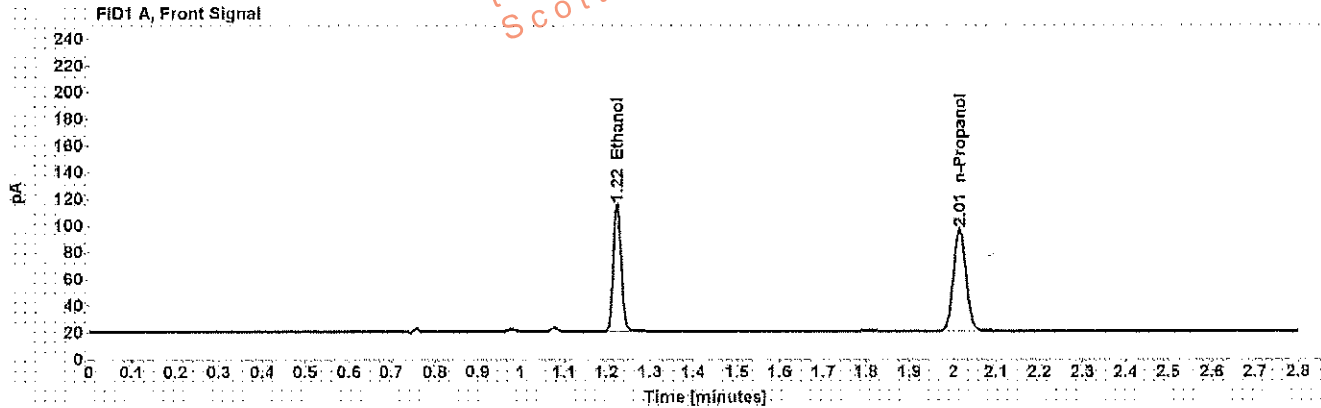


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2127	1.224	121.890
n-Propanol	-----	2.015	155.003

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

Compound	Time (min)	Peak Area
Ethanol	1.328	125.423
n-Propanol	2.346	159.301

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1128597
Injection date: 1/17/2017 7:22:08 PM	Vial: 35
Method: ethanol.quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\rsdtest3\17Jan17\35.D	

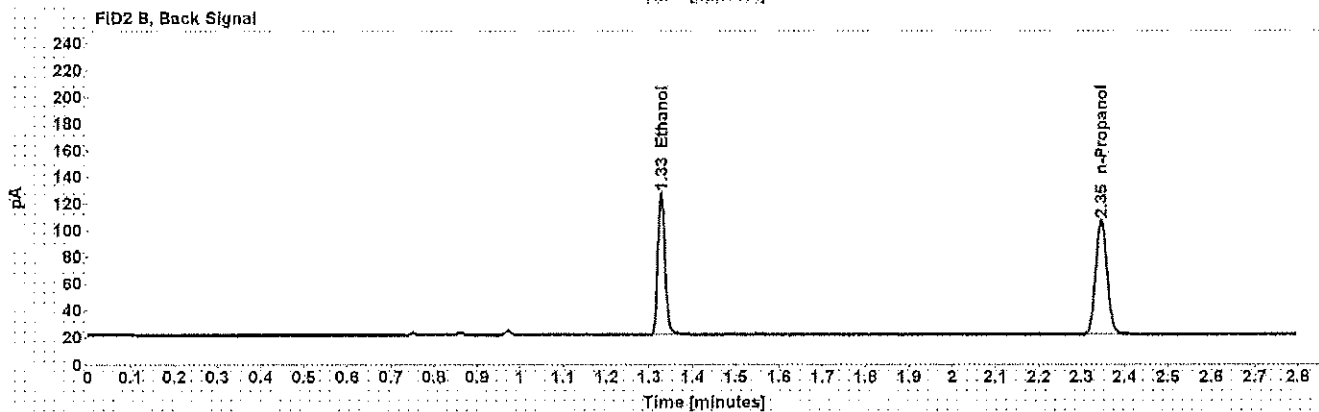
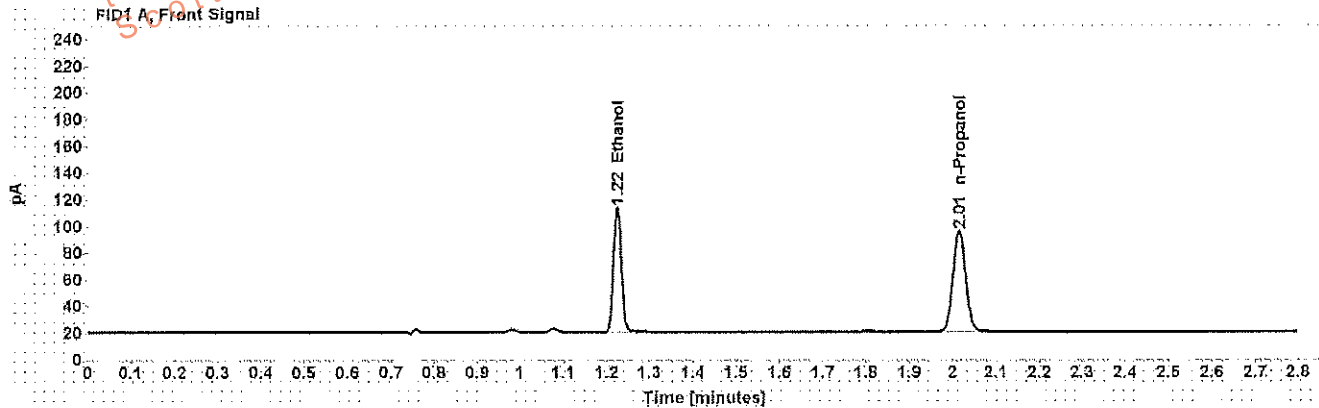


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2098	1.224	119.378
n-Propanol	-----	2.015	153.931

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

Compound	Time (min)	Peak Area
Ethanol	1.328	122.899
n-Propanol	2.346	158.272

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1127716
Injection date: 1/17/2017 7:26:07 PM	Vial: 36
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsctest3\17Jan17\36.D	

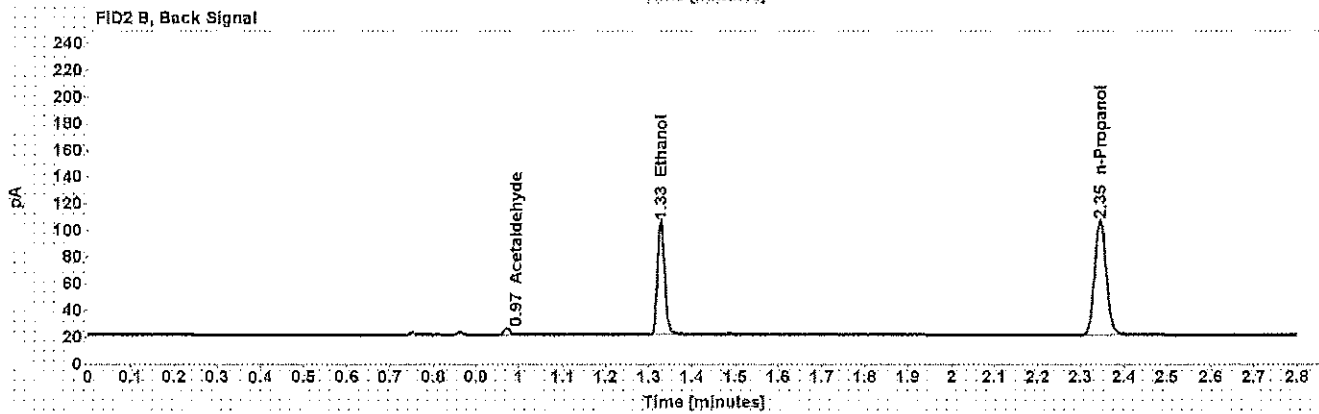
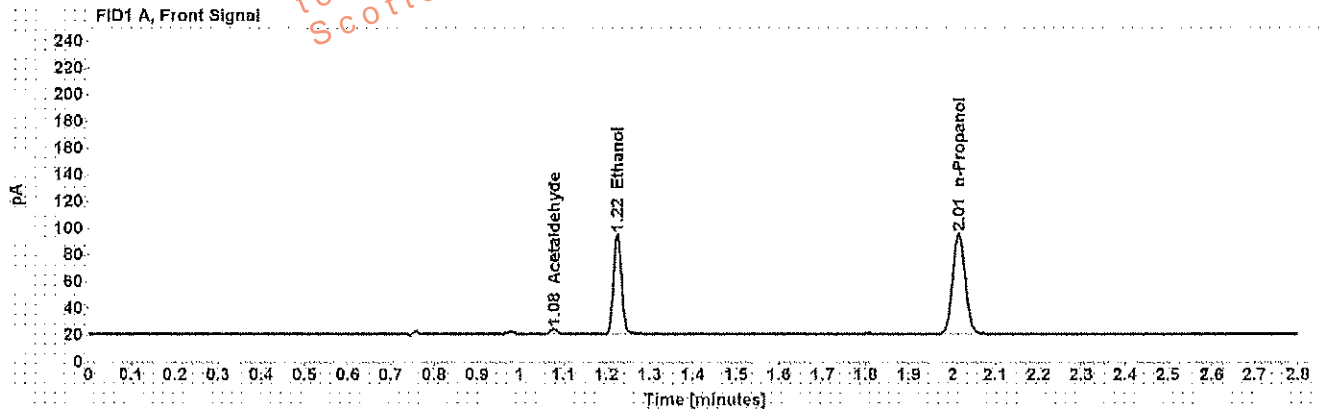


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.108
>Ethanol	0.1682	1.224	95.723
n-Propanol	-----	2.015	153.965

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.373
Ethanol	1.328	98.447
n-Propanol	2.346	158.141

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1127716
Injection date: 1/17/2017 7:30:23 PM	Vial: 37
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsdtest3\17Jan17\37.D	

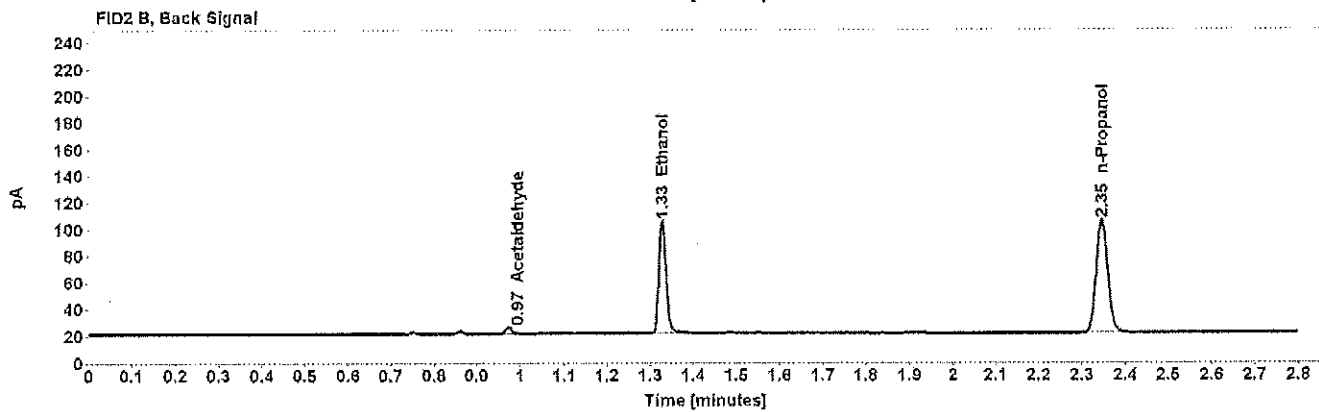
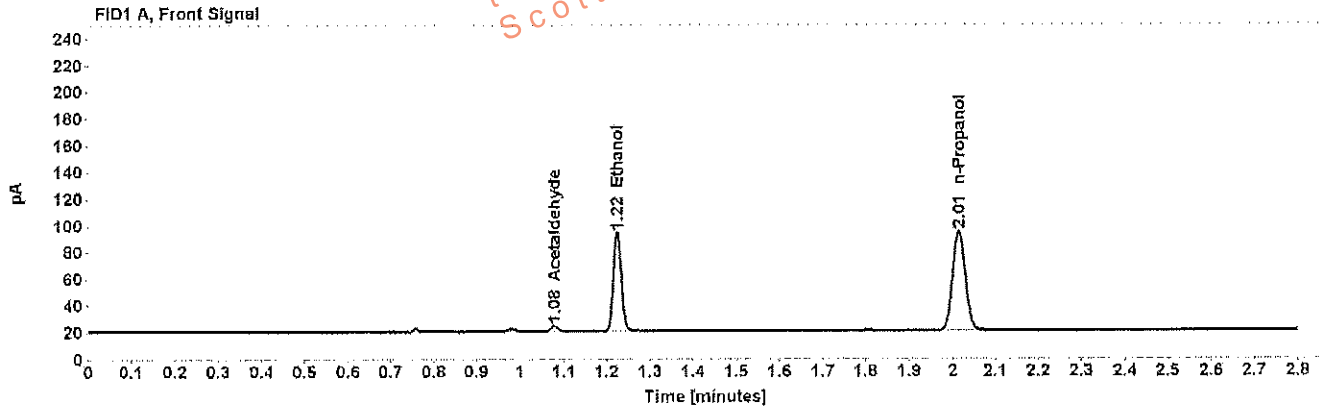


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.102
>Ethanol	0.1665	1.224	94.926
n-Propanol	-----	2.015	152.405

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	4.388
Ethanol	1.328	97.616
n-Propanol	2.346	156.765

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1128022
Injection date: 1/17/2017 7:34:22 PM	Vial: 38
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Datarsdtest3\17Jan17\38.D	

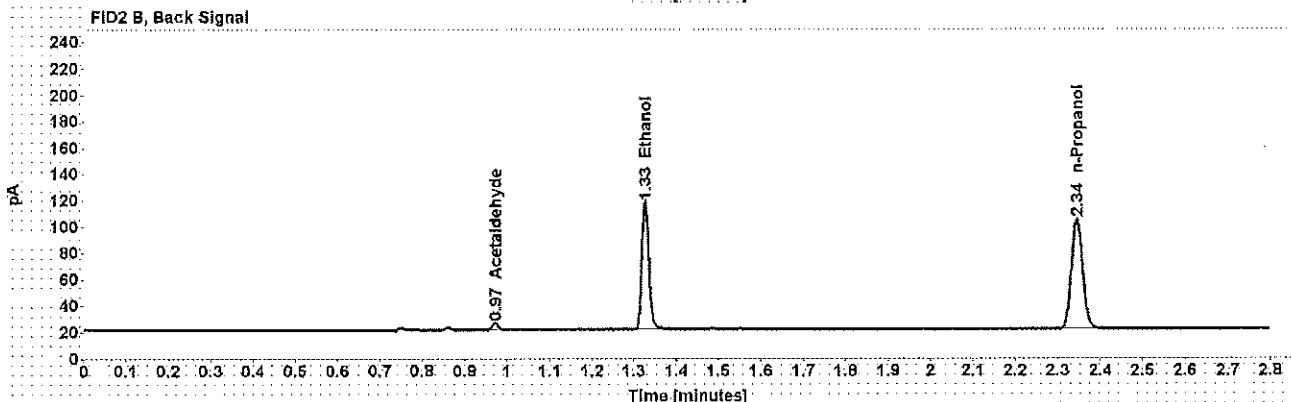
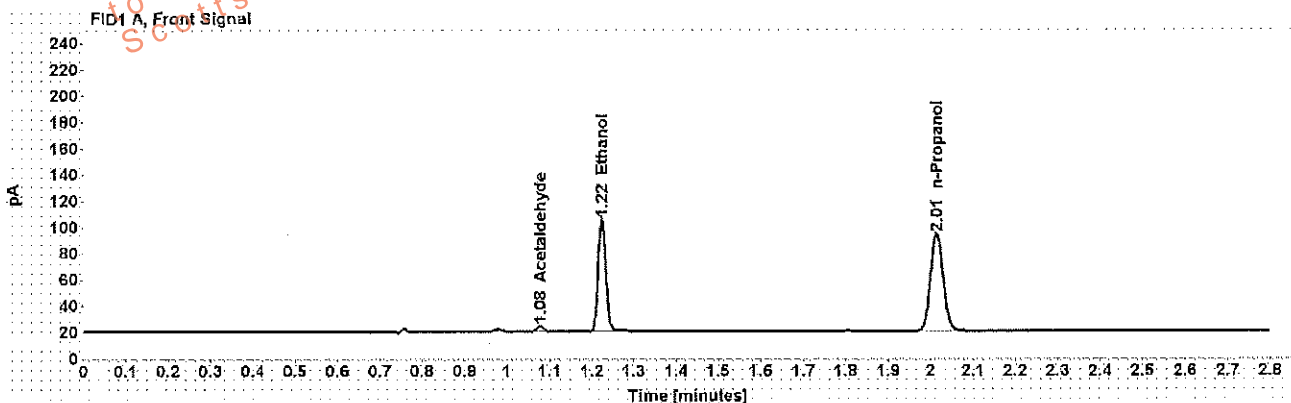


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.284
>Ethanol	0.1961	1.223	109.399
n-Propanol	-----	2.014	150.904

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.972	4.579
Ethanol	1.326	112.421
n-Propanol	2.344	155.122

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1128022
Injection date: 1/17/2017 7:38:23 PM	Vial: 39
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023.CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\rsdtest3\17Jan17\39.D	

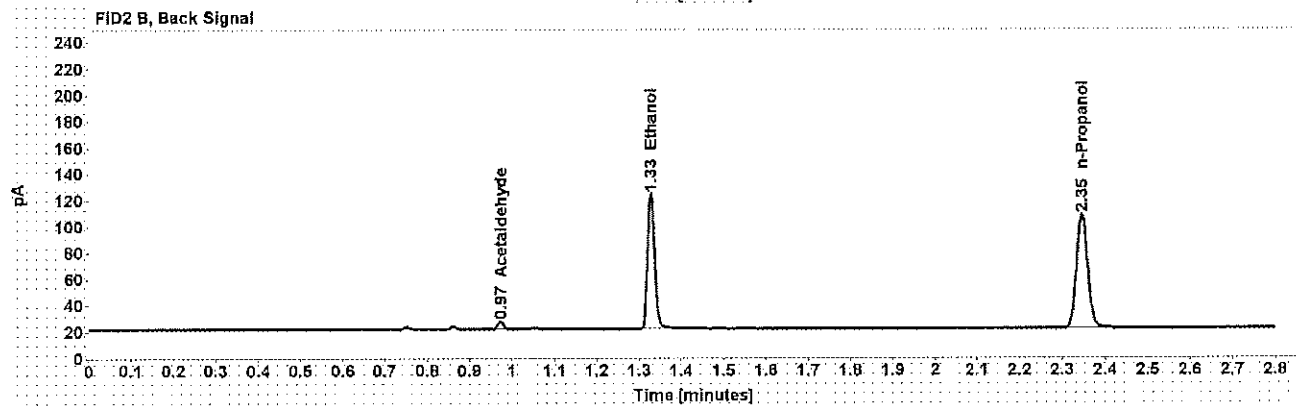
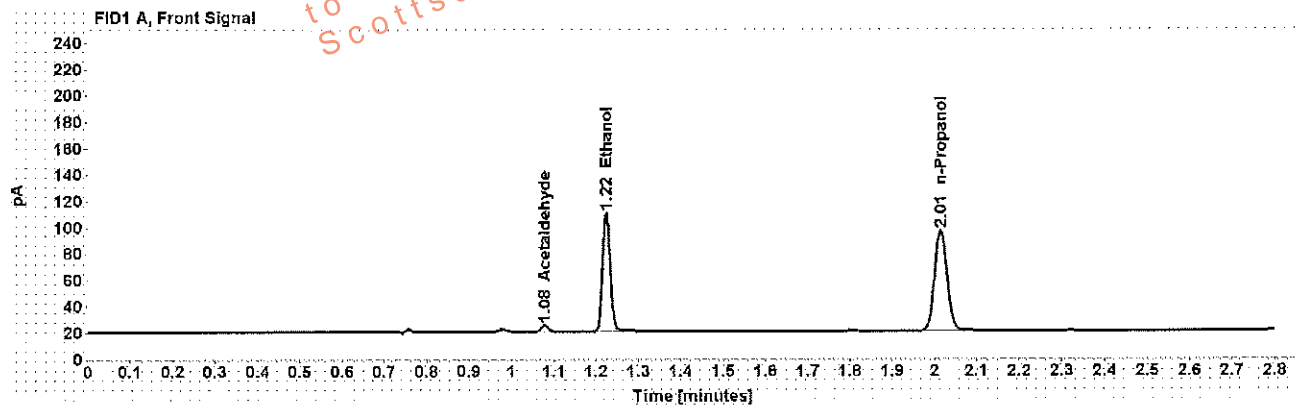


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	5.013
>Ethanol	0.2009	1.224	115.511
n-Propanol	-----	2.015	155.511

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	5.324
Ethanol	1.328	118.753
n-Propanol	2.346	160.019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1127607
Injection date: 1/17/2017 7:42:22 PM	Vial: 40
Method: ethanol quant.M	Sequence: 17Jan17
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\rsdtest3\17Jan17\40.D	

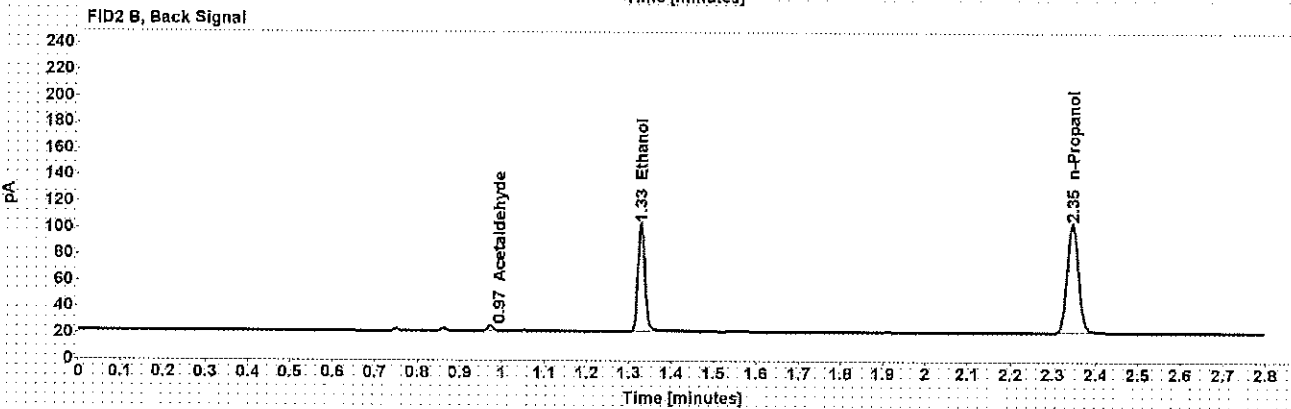
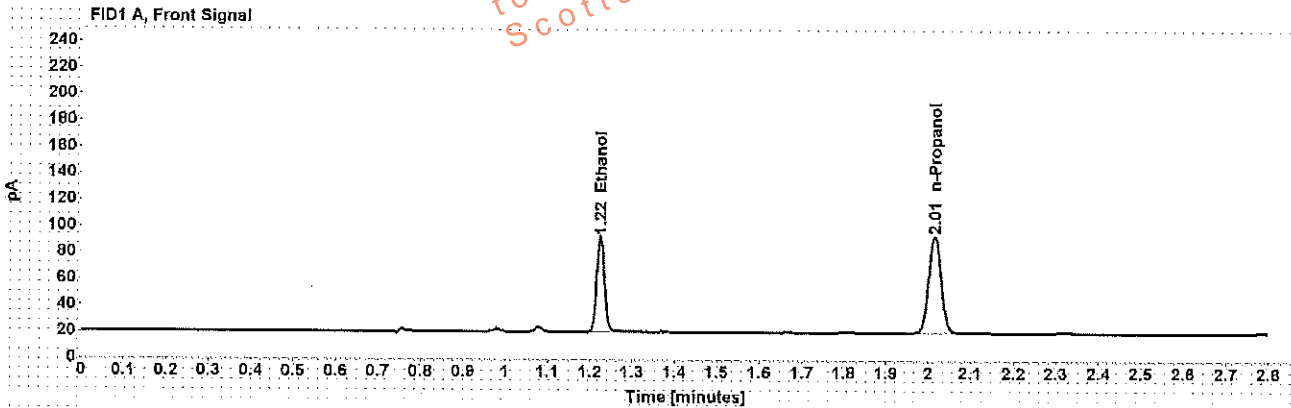


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1664	1.225	92.188
n-Propanol	-----	2.015	149.910

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.973	3.786
Ethanol	1.328	94.890
n-Propanol	2.346	154.123

