

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 1/31/2018 SEQUENCE NAME 31Jan18

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN06181501 0.99998
 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 010318
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.152 g/dL	Lipomed 09022015-C
34	Aqueous control	0.400 g/dL	0.407 g/dL	Lipomed 08012015-C
35	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
36	Blood control	0.198 g/dL	0.202 g/dL	ACQ 407041529/3
37	Blank	Not detected	Not detected	SPD lab 010318

SUBJECT SAMPLES

Subjects in the sequence 11 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid WA BVS70 1/31/18 Analyst
 Run valid Run invalid KOSECKI 2/10/18 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

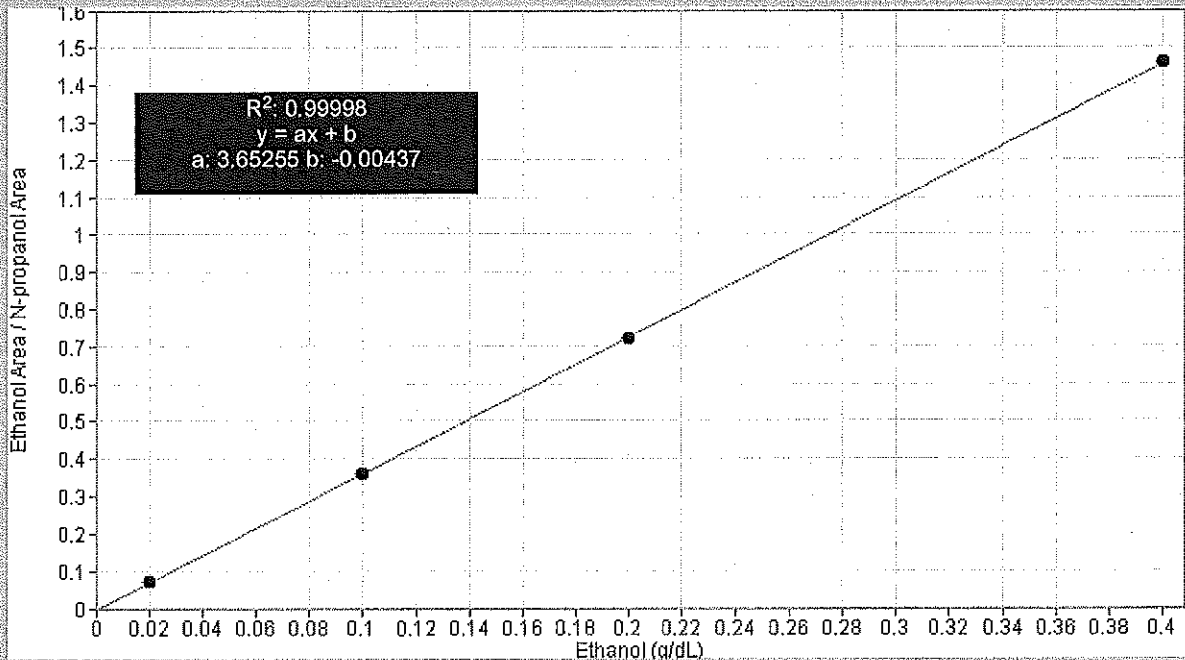
SEQUENCE NAME: 31Jan18

ANALYST: Adrian WA

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 010318	5	negative	negative	-	-
0.400 Lipomed 08012015-C	7	0.401	0.400	0.25	0.001
0.040 Lipomed 09022015-A	8	0.040	0.040	0.00	0.000
0.198 ACQ 407041529/3	9	0.200	0.198	1.01	0.002
0.080 Lipomed 28082014-B	20	0.081	0.080	1.25	0.001
0.150 Lipomed 09022015-C	31	0.152	0.150	1.33	0.002
0.40 Lipomed 08012015-C	34	0.407	0.400	1.75	0.007
0.04 Lipomed 09022015-A	35	0.040	0.040	0.00	0.000
0.198 ACQ 407041529/3	36	0.202	0.198	2.02	0.004
blank 010318	37	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.026	170.733	0.070
0.100	63.540	175.854	0.361
0.200	127.075	175.971	0.722
0.400	250.928	172.051	1.459

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

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WA

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 1/31/2018 8:47:20 AM	Vial: 1
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\1.D	

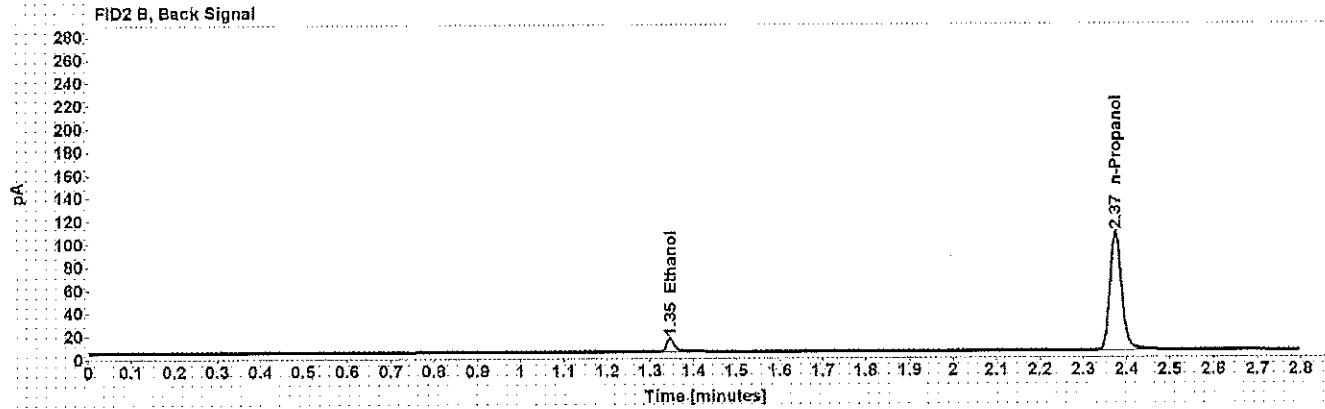
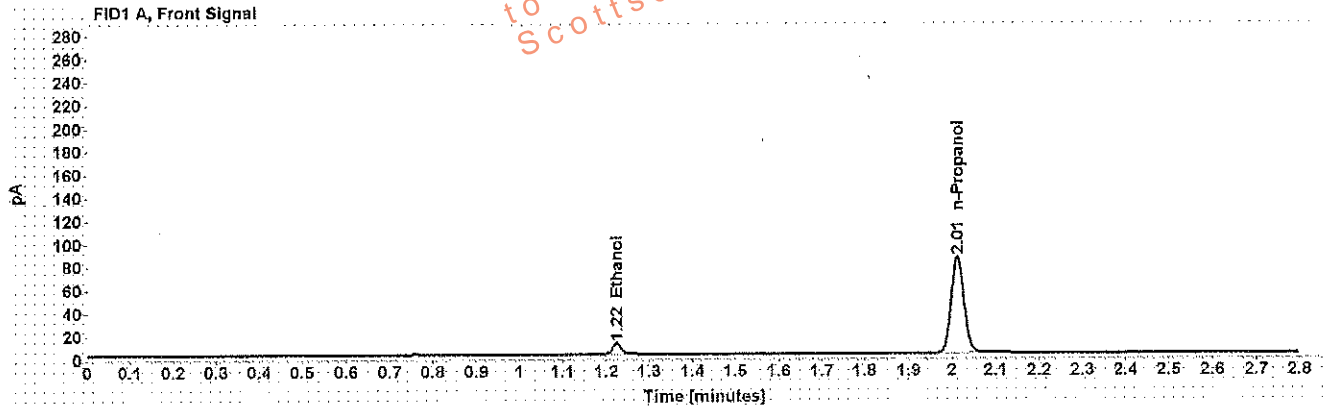


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	12.026
n-Propanol	2.012	170.733

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

Compound	Time (min)	Peak Area
Ethanol	1.346	13.952
n-Propanol	2.374	198.449

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.100 Cerilliant FN06181501	Item number:
Injection date: 1/31/2018 8:51:21 AM	Vial: 2
Method: ethanol quant M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\2.D	

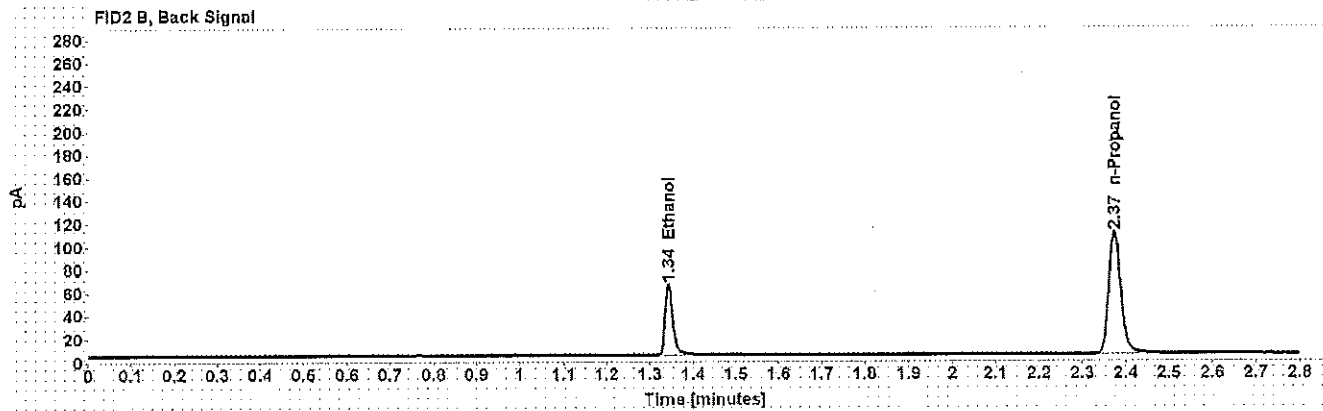
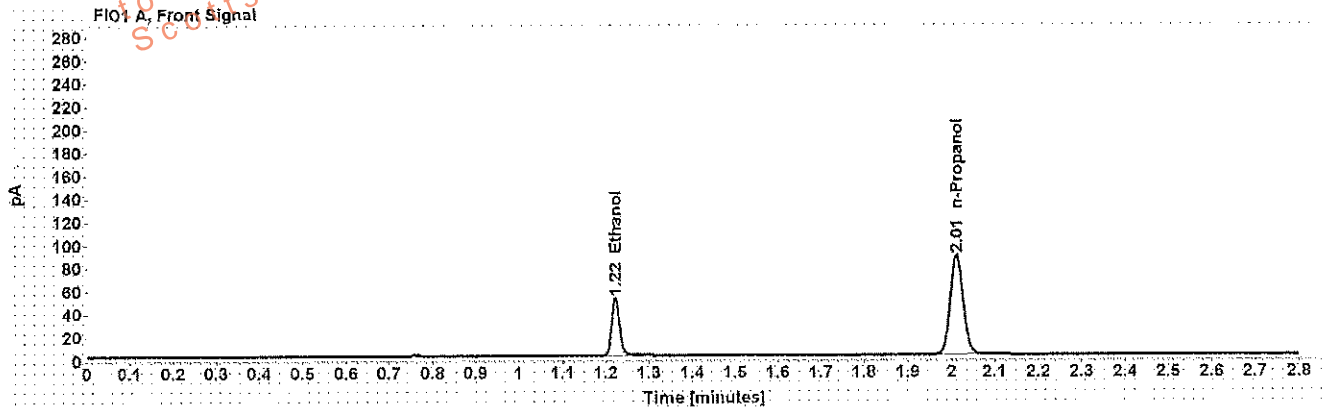


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	63.540
n-Propanol	2.012	175.854

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

Compound	Time (min)	Peak Area
Ethanol	1.343	75.400
n-Propanol	2.374	204.323

Scottsdale Police Department Crime Lab Volatiles Analysis

WAT

Sample: 0.200 Cerilliant FN07201502	Item number:
Injection date: 1/31/2018 8:55:20 AM	Vial: 3
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\31Jan18\3.D	

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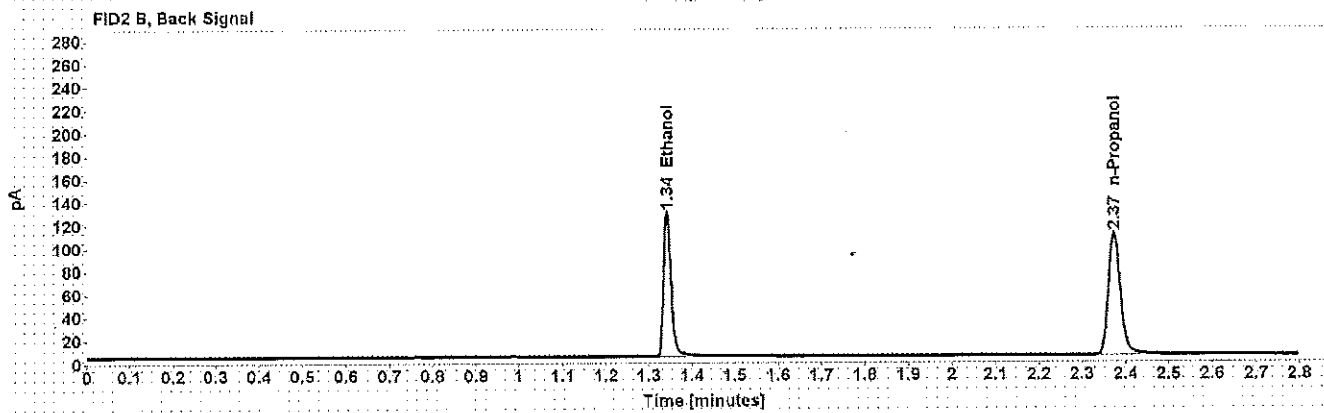
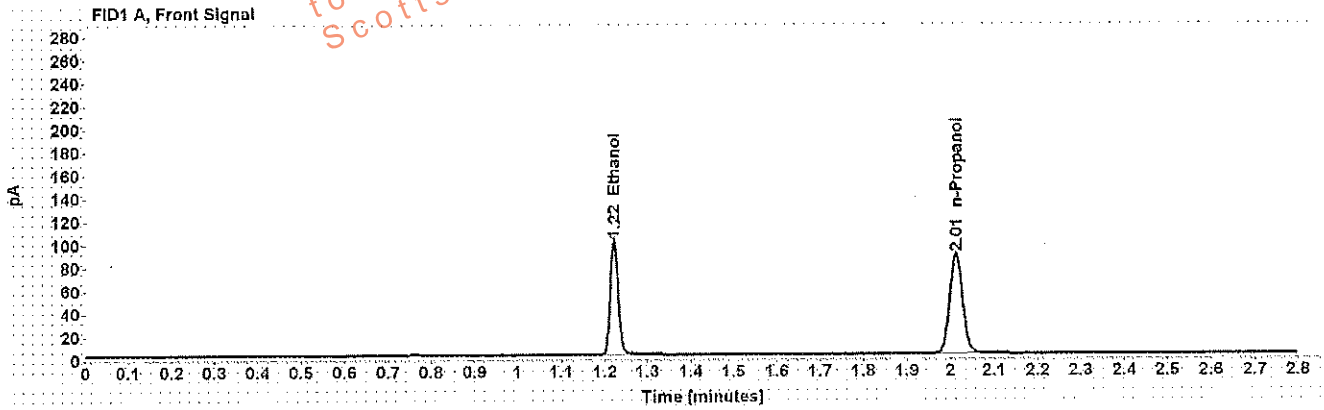


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	127.075
n-Propanol	2.012	175.971

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

Compound	Time (min)	Peak Area
Ethanol	1.342	151.468
n-Propanol	2.374	204.267

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Cerilliant FN11191402
Injection date: 1/31/2018 8:59:20 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1\Data\31Jan18\4.D

Item number: WA
Vial: 4
Sequence: 31Jan18
Analyst: Adrian

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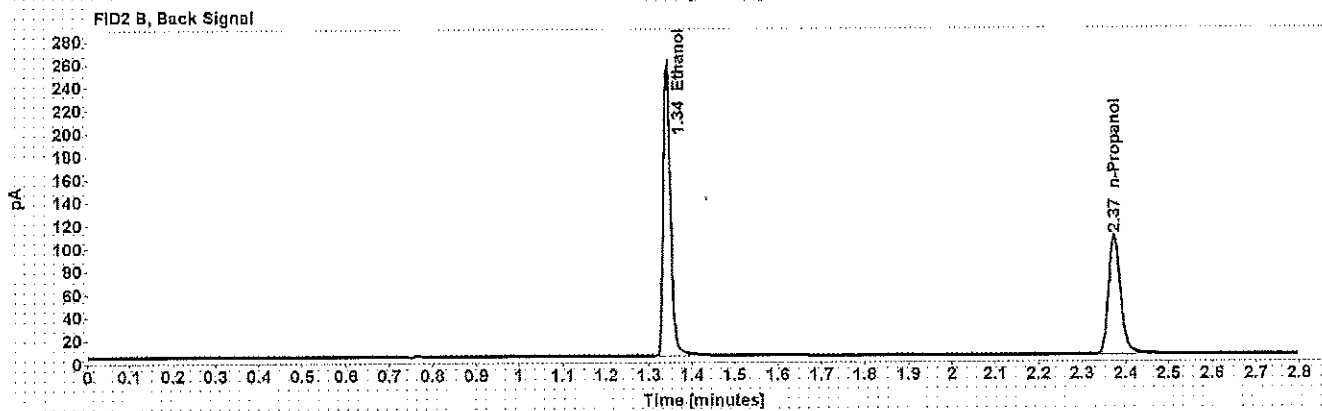
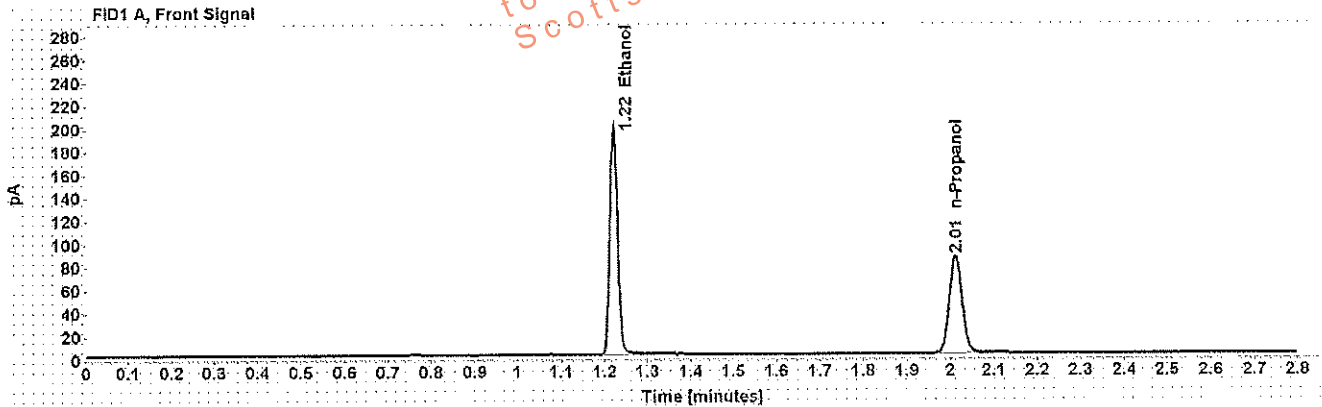


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	250.928
n-Propanol	2.012	172.051

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

Compound	Time (min)	Peak Area
Ethanol	1.341	300.916
n-Propanol	2.374	199.828

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 010318	Item number: MA
Injection date: 1/31/2018 9:03:20 AM	Vial: 5
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\31Jan18\5.D	

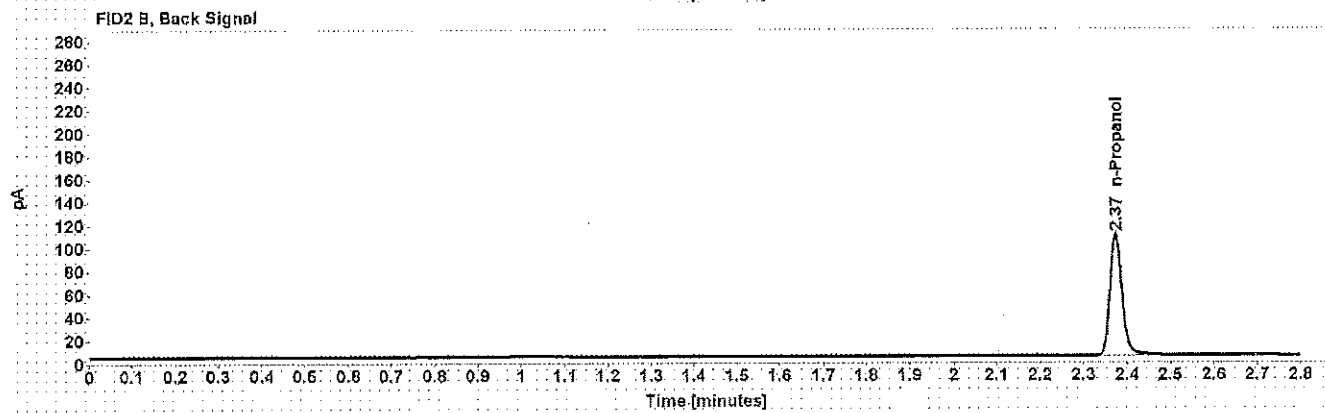
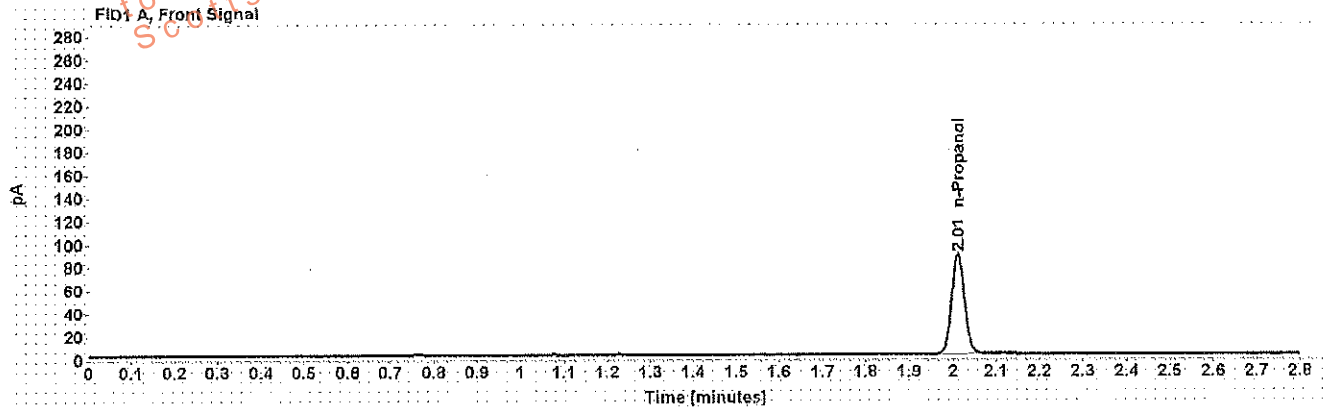


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	177.035

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

Compound	Time (min)	Peak Area
n-Propanol	2.373	204.425

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: volatiles mix 020917 WLA	Item number:
Injection date: 1/31/2018 9:07:21 AM	Vial: 6
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\31Jan18\6.D	

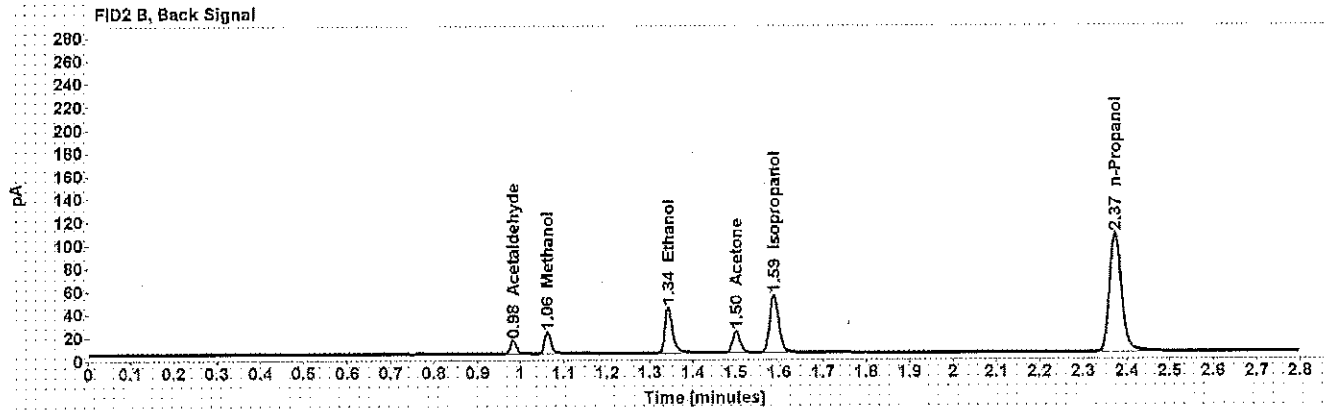
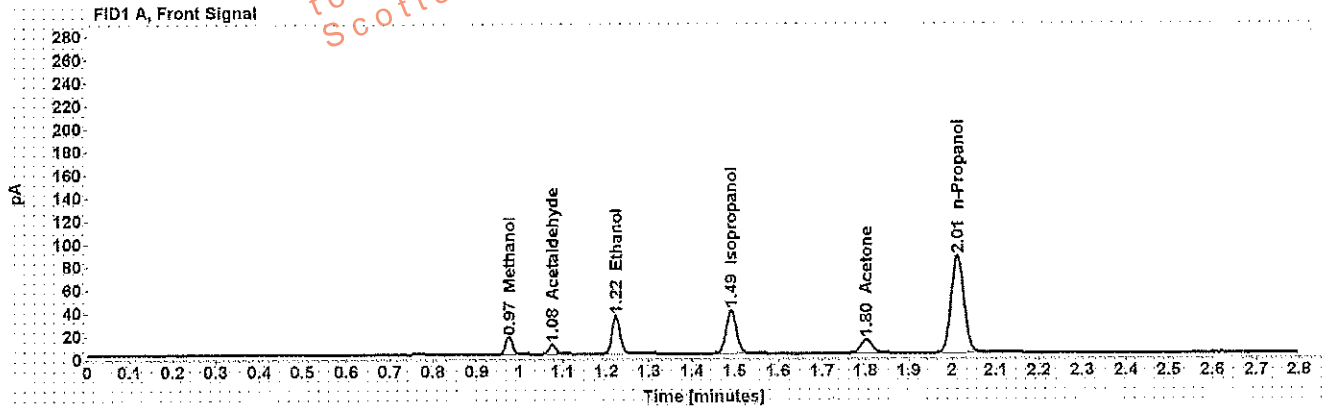


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.975	16.613
Acetaldehyde	-----	1.076	8.721
>Ethanol	0.0684	1.223	42.152
Isopropanol	-----	1.491	61.288
Acetone	-----	1.802	20.685
n-Propanol	-----	2.012	171.690

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	10.896
Methanol	1.062	19.764
Ethanol	1.343	49.332
Acetone	1.501	23.655
Isopropanol	1.589	73.422
n-Propanol	2.373	199.221

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.400 Lipomed 08012015-C	Item number: 7
Injection date: 1/31/2018 9:11:36 AM	Vial: 7
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\7.D	

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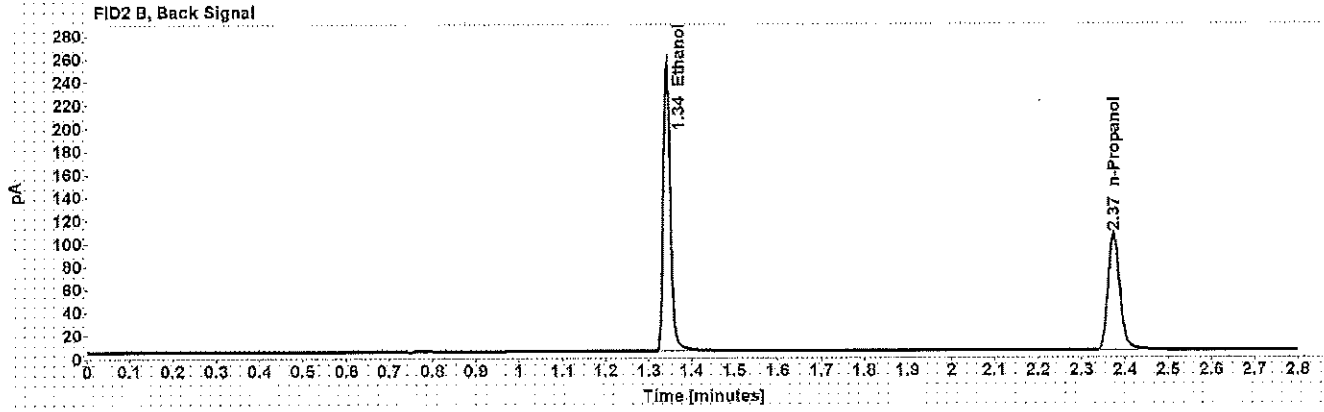
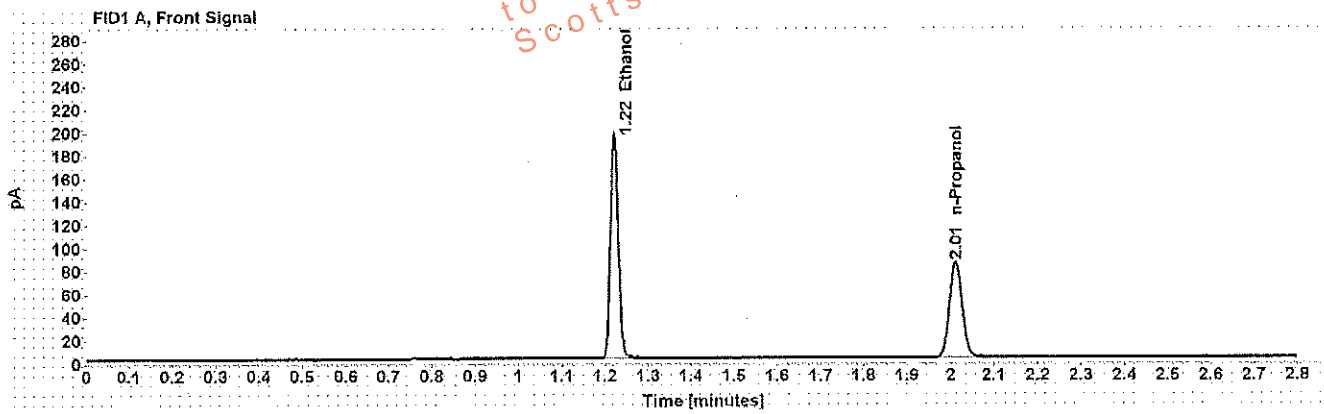


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4016	1.221	248.722
n-Propanol	-----	2.012	170.068

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

Compound	Time (min)	Peak Area
Ethanol	1.341	297.461
n-Propanol	2.374	197.398

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.040 Lipomed 09022015-A	Item number:
Injection date: 1/31/2018 9:15:36 AM	Vial: 8
Method: ethanol quant M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\8.D	

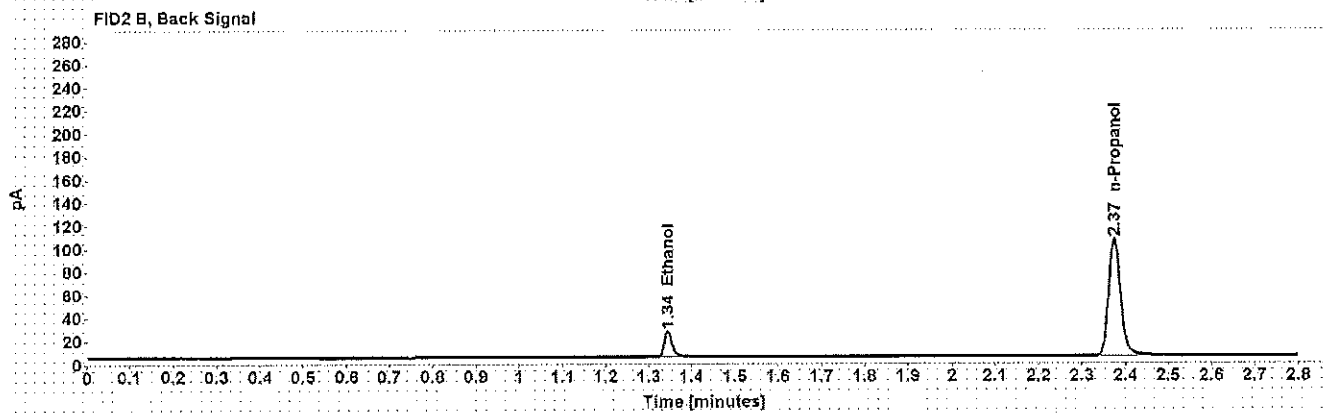
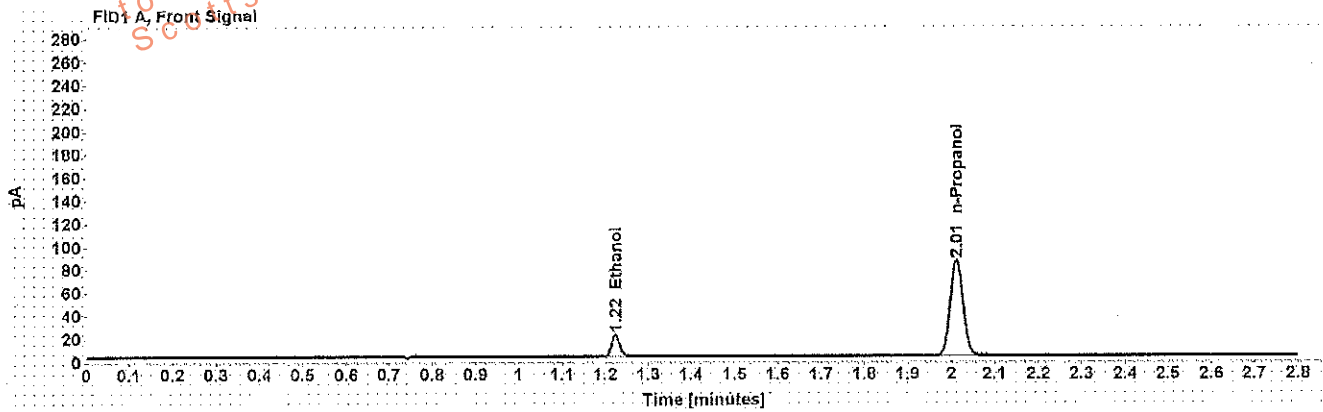


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0401	1.223	24.150
n-Propanol	-----	2.012	170.130

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

Compound	Time (min)	Peak Area
Ethanol	1.344	28.028
n-Propanol	2.374	196.697

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 1/31/2018 9:19:35 AM	Vial: 9
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\31Jan18\9.D	

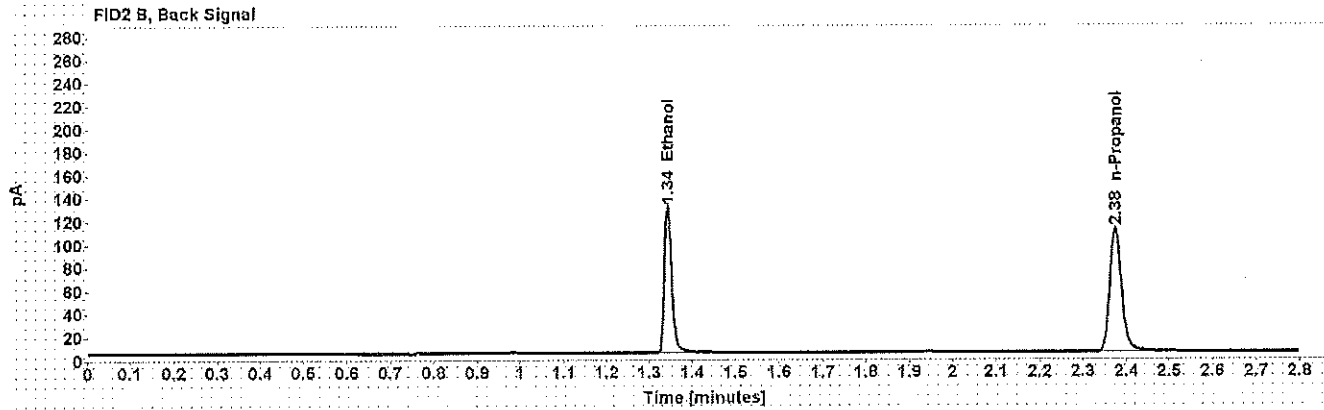
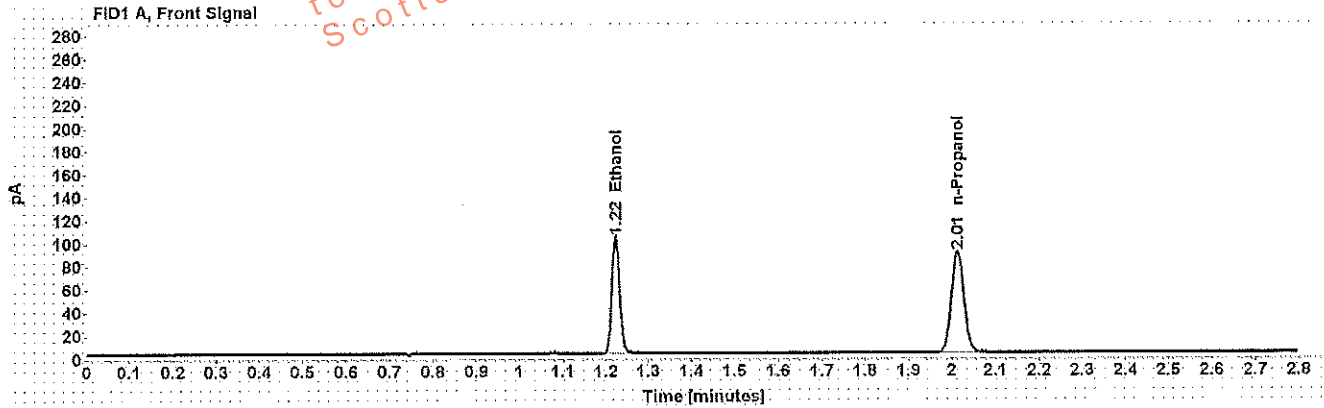


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2003	1.223	129.423
n-Propanol	-----	2.013	177.997

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

Compound	Time (min)	Peak Area
Ethanol	1.344	153.810
n-Propanol	2.375	206.937

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 28082014-B	Item number: WA
Injection date: 1/31/2018 10:04:05 AM	Vial: 20
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\20.D	

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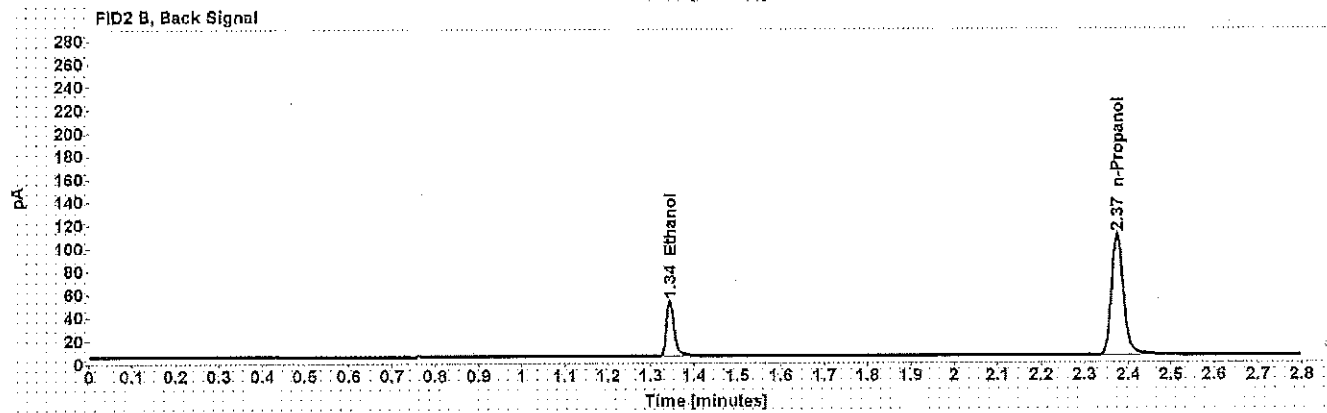
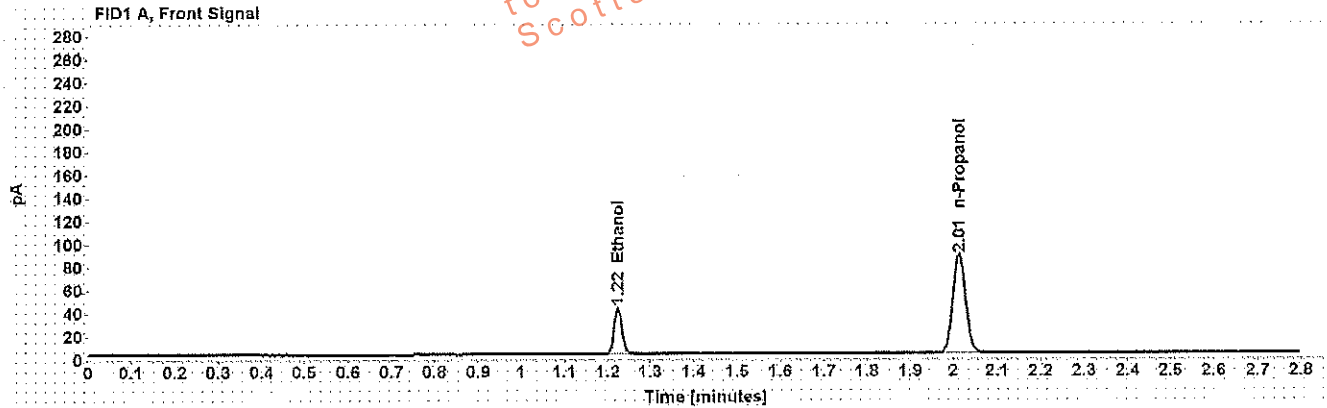


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0812	1.223	51.078
n-Propanol	-----	2.013	174.899

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

Compound	Time (min)	Peak Area
Ethanol	1.344	60.256
n-Propanol	2.375	203.328

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 09022015-C
Injection date: 1/31/2018 10:48:35 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem3211\Data\31Jan18\31.D

Item number: WA
Vial: 31
Sequence: 31Jan18
Analyst: Adrian

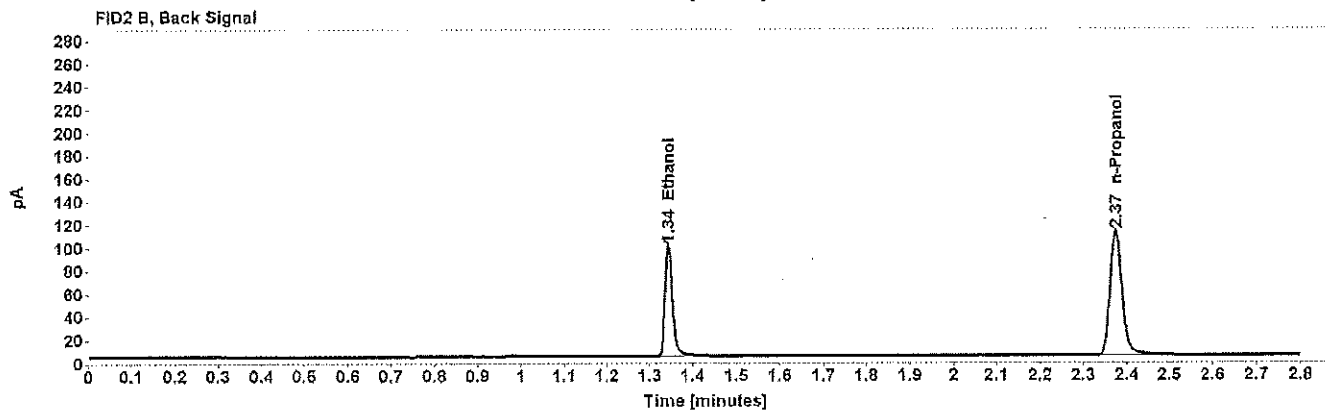
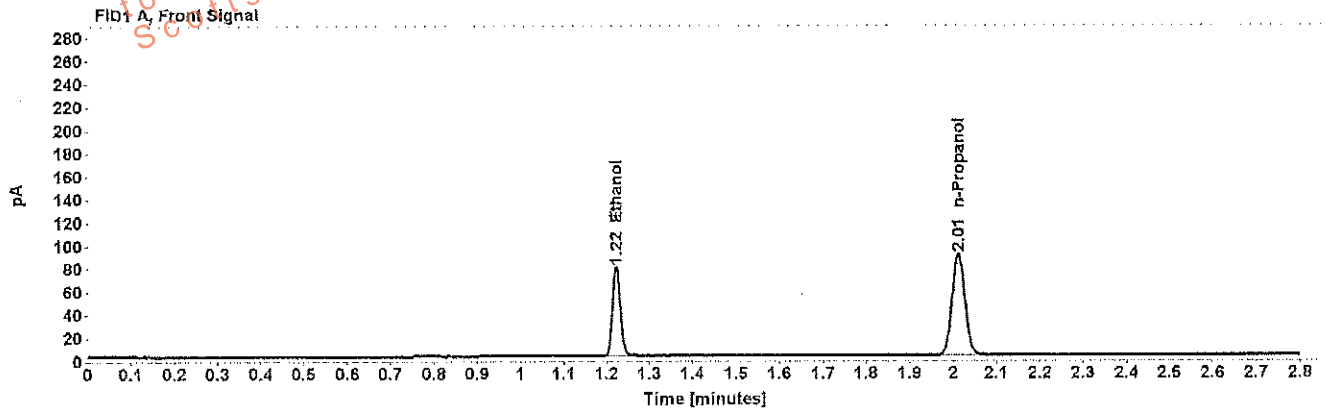


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1525	1.223	99.296
n-Propanol	-----	2.012	179.629

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

Compound	Time (min)	Peak Area
Ethanol	1.343	117.519
n-Propanol	2.375	209.647

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.40 Lipomed 08012015-C	Item number:
Injection date: 1/31/2018 11:00:35 AM	Vial: 34
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\1Data\31Jan18\34.D	

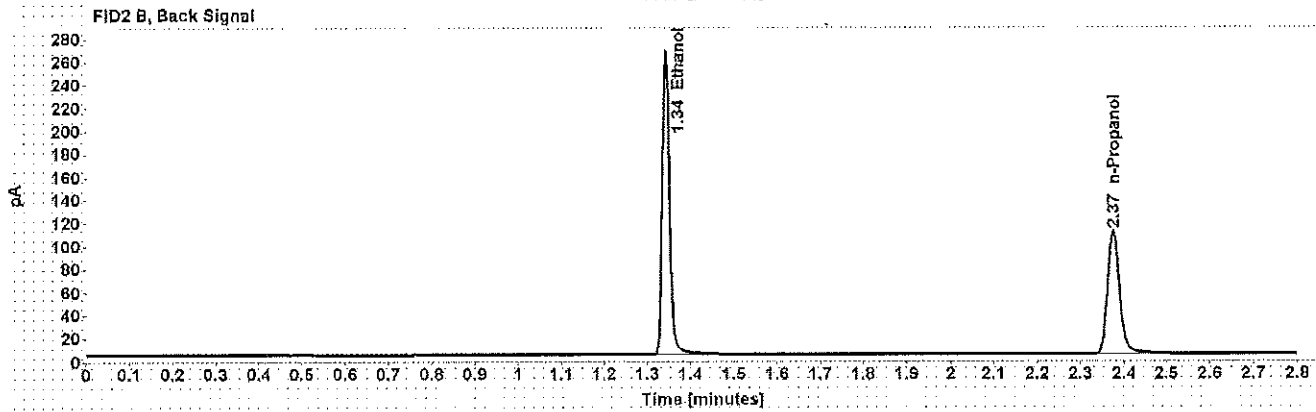
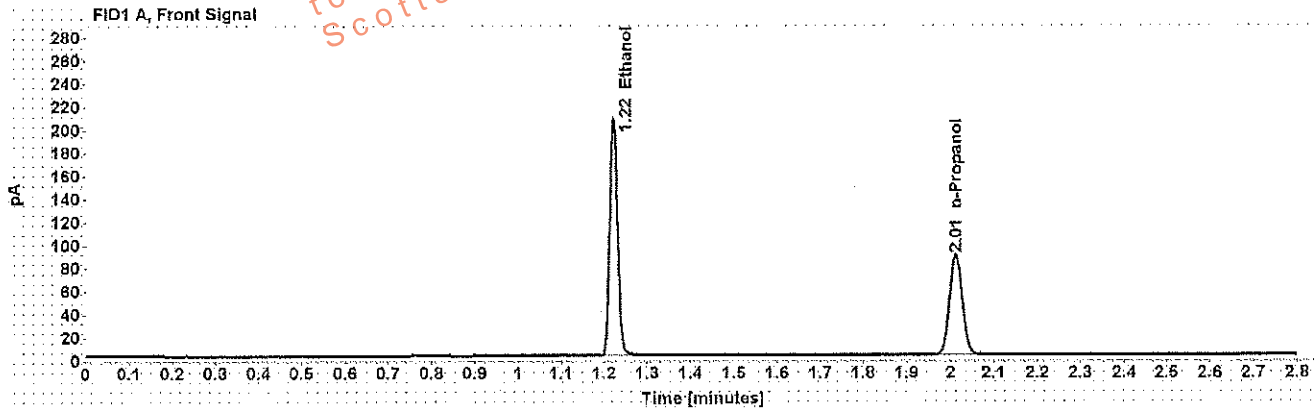


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4075	1.222	263.028
n-Propanol	-----	2.012	177.254

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

Compound	Time (min)	Peak Area
Ethanol	1.342	315.947
n-Propanol	2.375	206.863

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 1/31/2018 11:04:35 AM	Vial: 35
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
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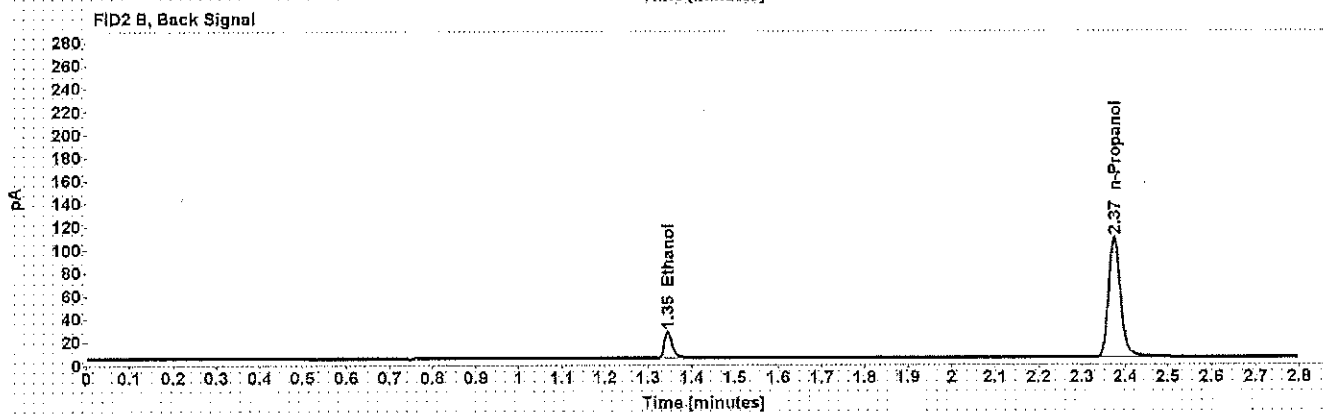
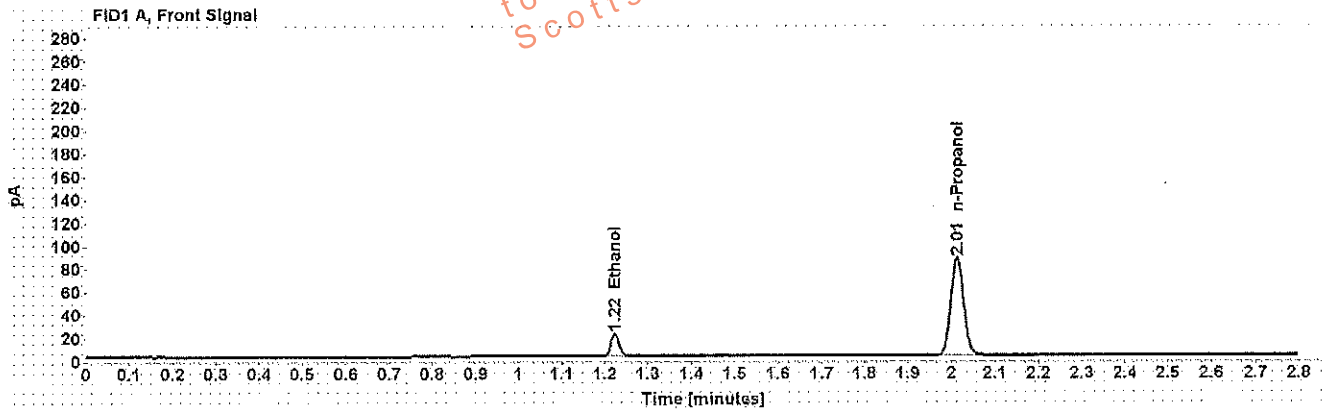


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.224	24.925
n-Propanol	-----	2.012	173.311

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

Compound	Time (min)	Peak Area
Ethanol	1.345	28.878
n-Propanol	2.375	202.090

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 1/31/2018 11:08:35 AM	Vial: 36
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
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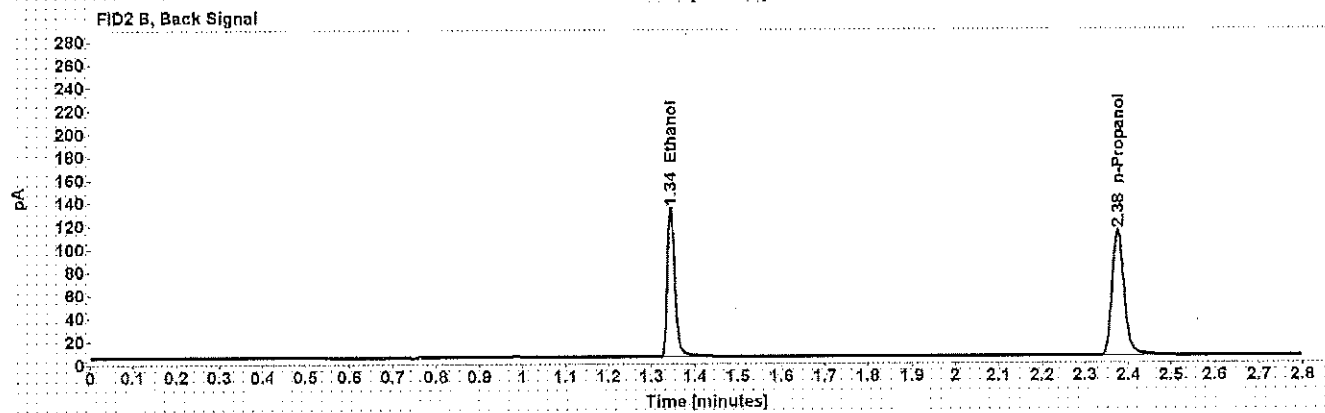
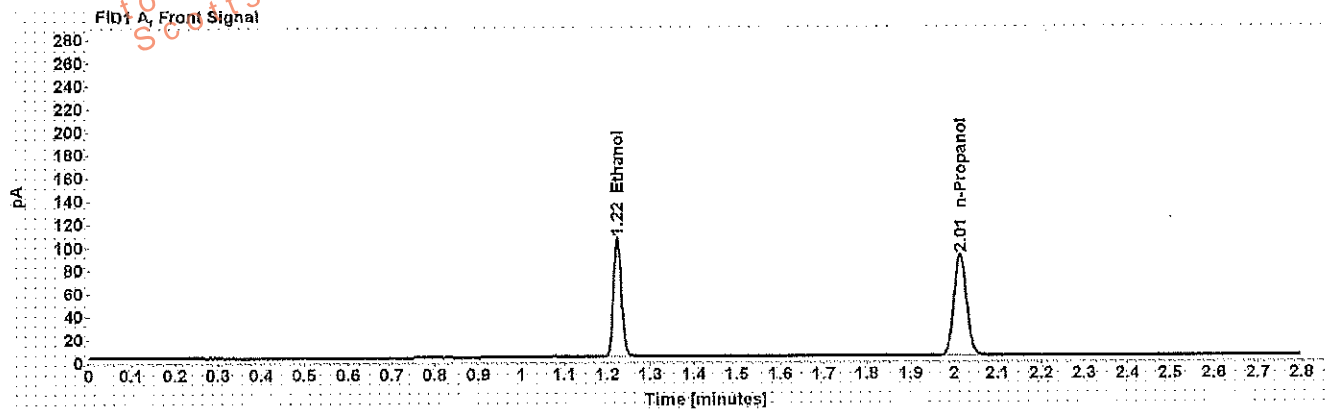


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2023	1.223	132.194
n-Propanol	-----	2.013	179.960

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

Compound	Time (min)	Peak Area
Ethanol	1.344	157.404
n-Propanol	2.376	210.047

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: blank 010318 Injection date: 1/31/2018 11:12:50 AM Method: ethanol quant.M Instrument: US14173023 CN14160045 Data file: C:\Chem321\1Data\31Jan18\37.D	Item number: Vial: 37 Sequence: 31Jan18 Analyst: Adrian
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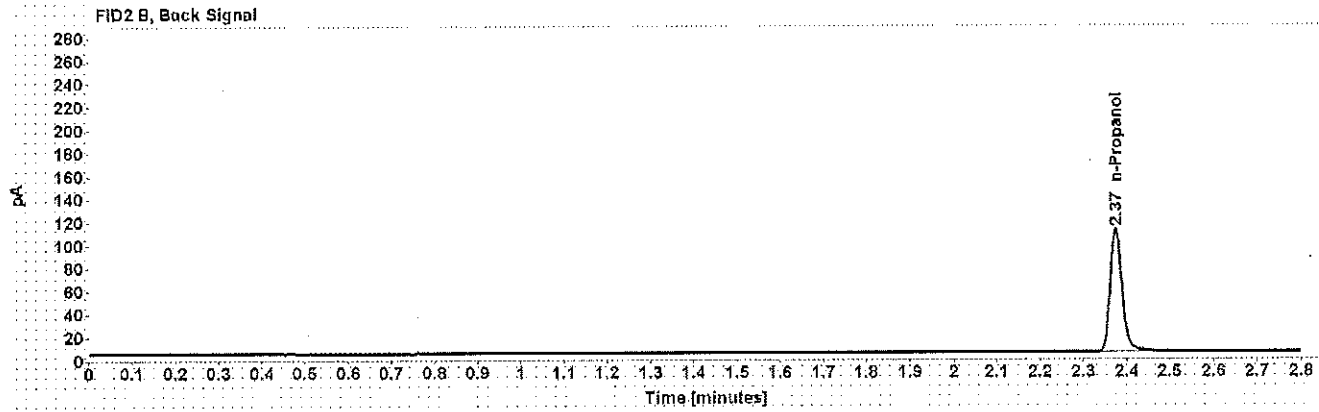
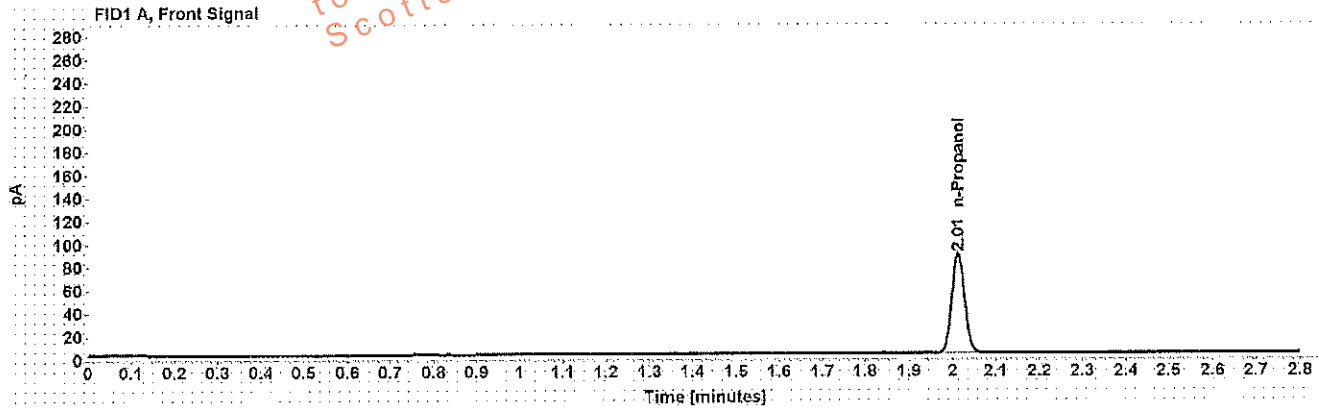


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	177.182

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	206.788

Sequence Summary

Sequence name: 31Jan18 Instrument: US14173023 CN14160045 Analyst: Adrian

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN03241604	Calibration		ethanol quant.M
2	0.100 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.200 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.400 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 010318	Control		ethanol quant.M
6	volatiles mix 020917 WLA	Control		ethanol quant.M
7	0.400 Lipomed 08012015-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.198 ACQ 407041529/3	Control		ethanol quant.M
10		Sample	1165037	ethanol quant.M
11		Sample	1165037	ethanol quant.M
12		Sample	1173268	ethanol quant.M
13		Sample	1173268	ethanol quant.M
14		Sample	1183698	ethanol quant.M
15		Sample	1183698	ethanol quant.M
16		Sample	1173859	ethanol quant.M
17		Sample	1173859	ethanol quant.M
18		Sample	1192797	ethanol quant.M
19		Sample	1192797	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1174973	ethanol quant.M
22		Sample	1174973	ethanol quant.M
23		Sample	1188459	ethanol quant.M
24		Sample	1188459	ethanol quant.M
25		Sample	1175981	ethanol quant.M
26		Sample	1175981	ethanol quant.M
27		Sample	1192513	ethanol quant.M
28		Sample	1192513	ethanol quant.M
29		Sample	1192370	ethanol quant.M
30		Sample	1192370	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32		Sample	1192383	ethanol quant.M
33		Sample	1192383	ethanol quant.M
34	0.40 Lipomed 08012015-C	Control		ethanol quant.M
35	0.04 Lipomed 09022015-A	Control		ethanol quant.M
36	0.198 ACQ 407041529/3	Control		ethanol quant.M
37	blank 010318	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 31Jan19

ANALYST: Adrian WA

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1136	0.1137	0.11365	0.04	0.00005
12 13	0.1899	0.1917	0.19080	0.47	0.00090
14 15	0.0482	0.0490	0.04860	0.82	0.00040
16 17	0.1739	0.1745	0.17420	0.17	0.00030
18 19	0.0887	0.0884	0.08855	0.17	0.00015
21 22	0.1397	0.1398	0.13975	0.04	0.00005
23 24	0.0377	0.0374	0.03755	0.40	0.00015
25 26	0.2038	0.2052	0.20450	0.34	0.00070
27 28	0.2087	0.2118	0.21025	0.74	0.00155
29 30	0.1294	0.1294	0.12940	0.00	0.00000
32 33	0.1733	0.1721	0.17270	0.35	0.00060

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1165037
Injection date:	1/31/2018 9:23:35 AM	Vial:	10
Method:	ethanol quant.M	Sequence:	31Jan18
Instrument:	US14173023 CN14160049	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\31Jan18\10.D		

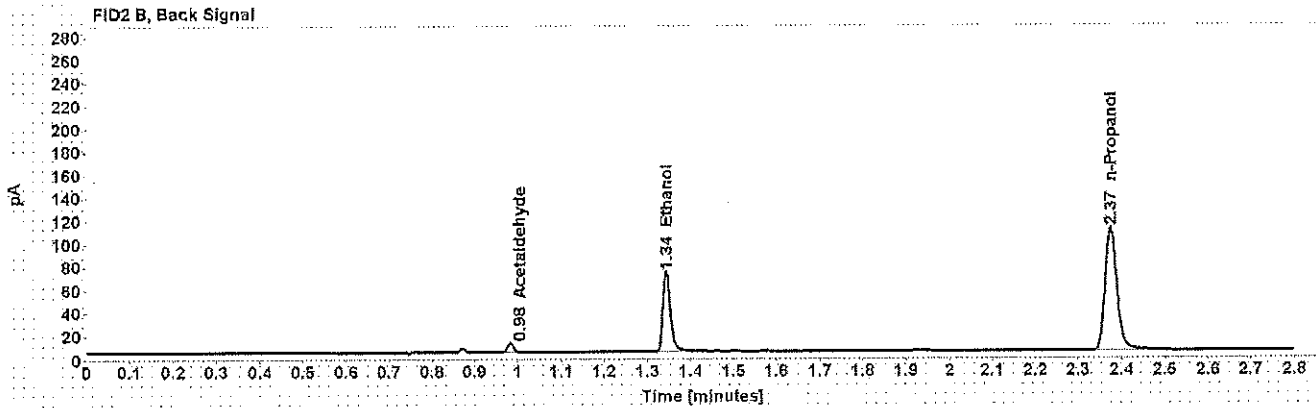
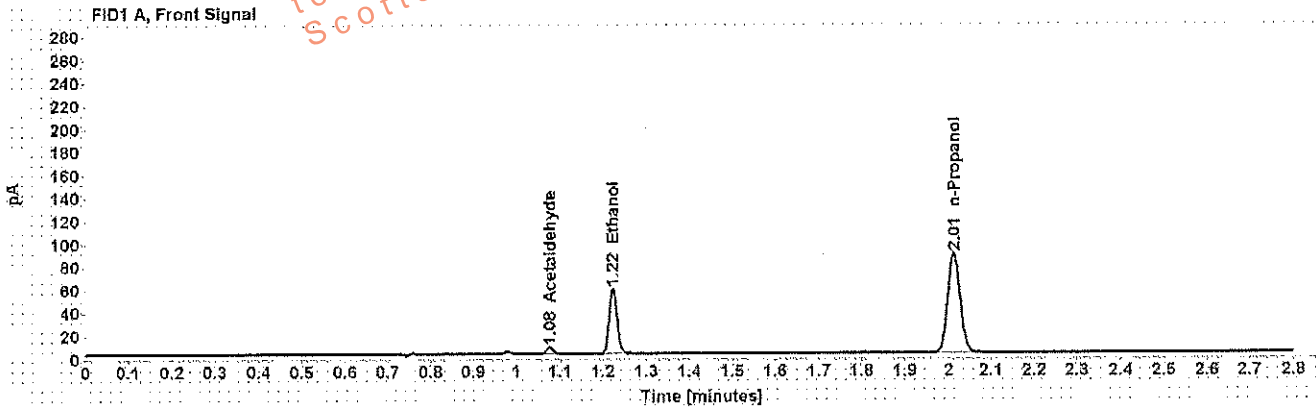


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	6.127
>Ethanol	0.1136	1.223	72.633
n-Propanol	-----	2.013	176.979

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.710
Ethanol	1.344	85.003
n-Propanol	2.375	206.054

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1165037
Injection date: 1/31/2018 9:27:35 AM	Vial: 11
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\11.D	

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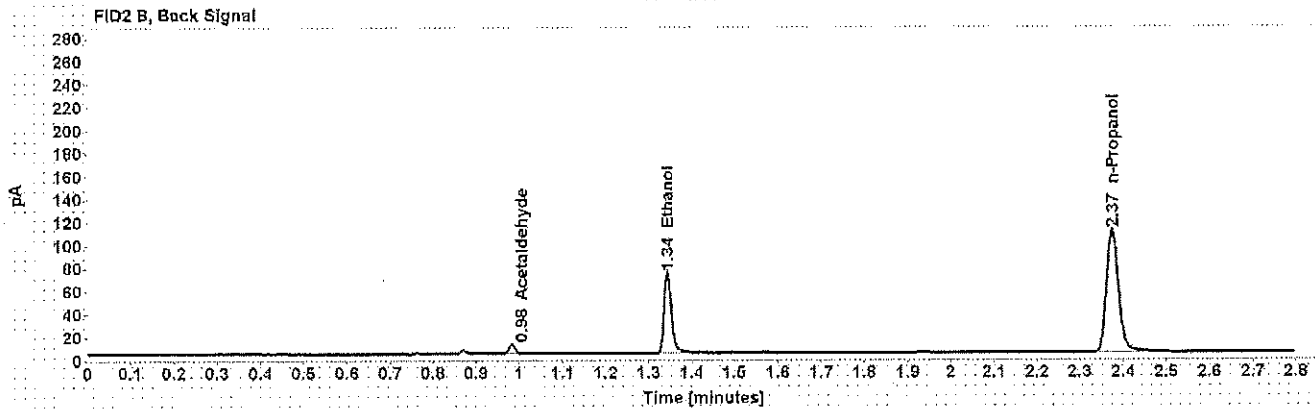
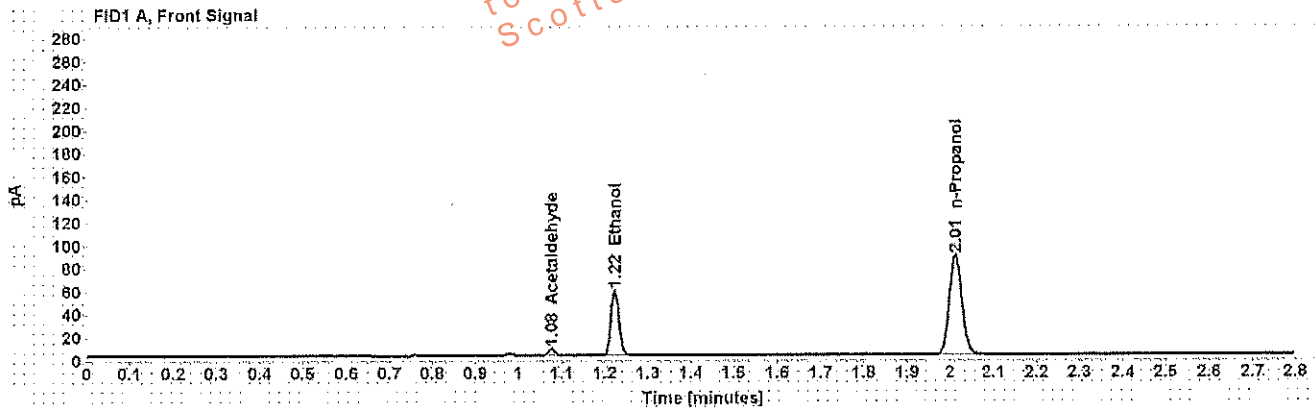


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	6.133
>Ethanol	0.1137	1.223	72.673
n-Propanol	-----	2.012	176.919

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	7.687
Ethanol	1.343	84.661
n-Propanol	2.374	206.111

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173268
Injection date: 1/31/2018 9:31:36 AM	Vial: 12
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\12.D	

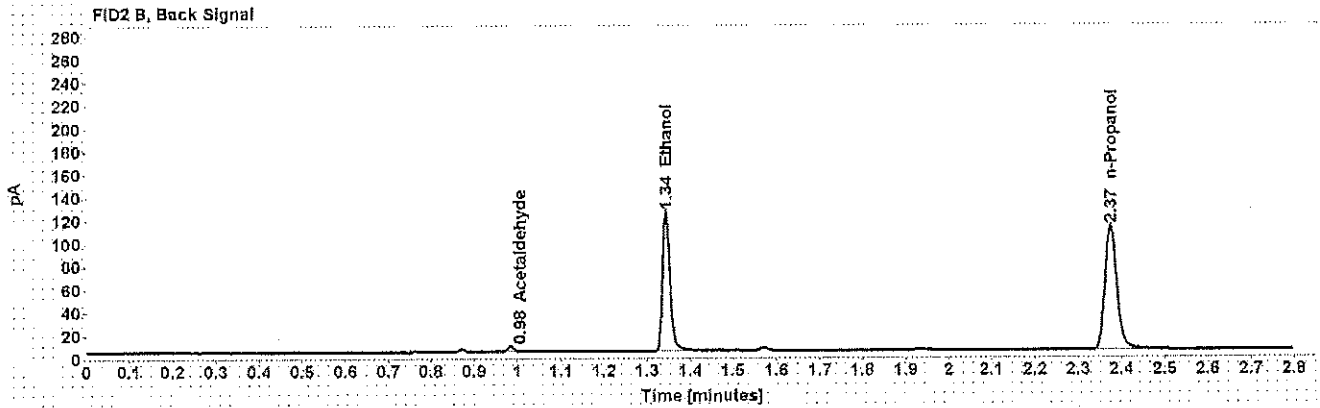
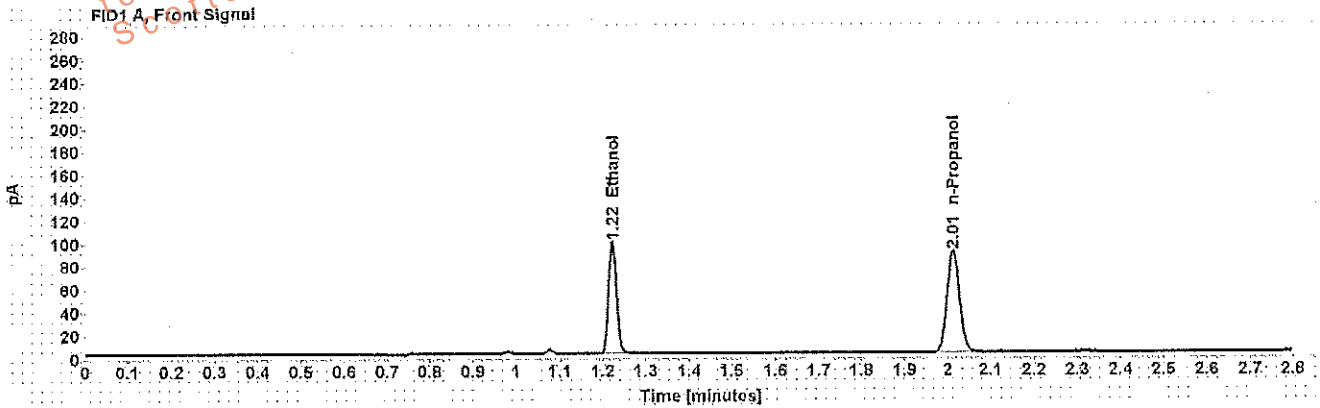


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1899	1.223	124.234
n-Propanol	-----	2.013	180.239

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.531
Ethanol	1.343	148.515
n-Propanol	2.375	209.245

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173268
Injection date: 1/31/2018 9:35:51 AM	Vial: 13
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\13.D	

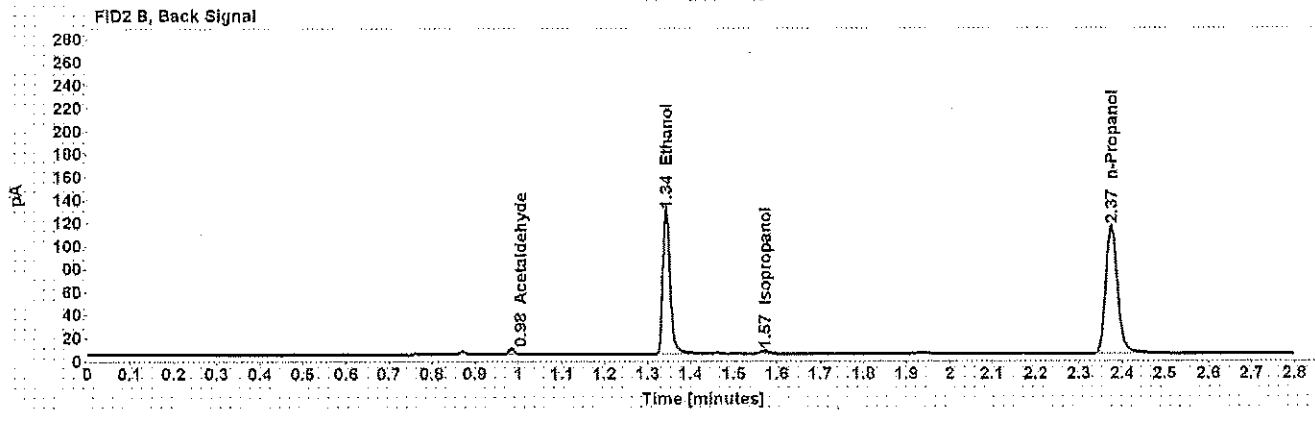
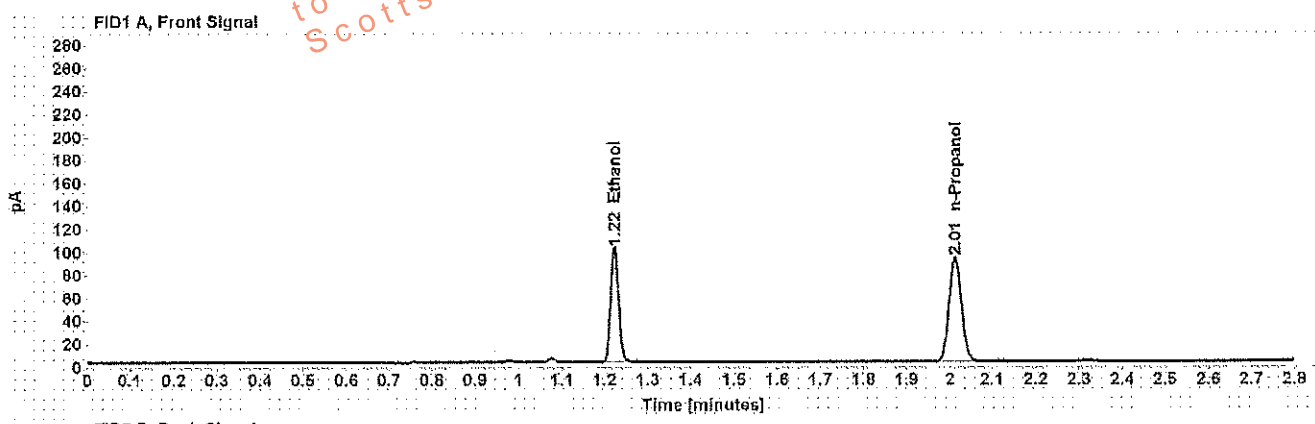


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1917	1.223	127.789
n-Propanol	-----	2.012	183.696

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.630
Ethanol	1.343	152.548
Isopropanol	1.571	3.793
n-Propanol	2.375	215.065

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1183698
Injection date: 1/31/2018 9:39:50 AM	Vial: 14
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11Data\31Jan18\14.D	

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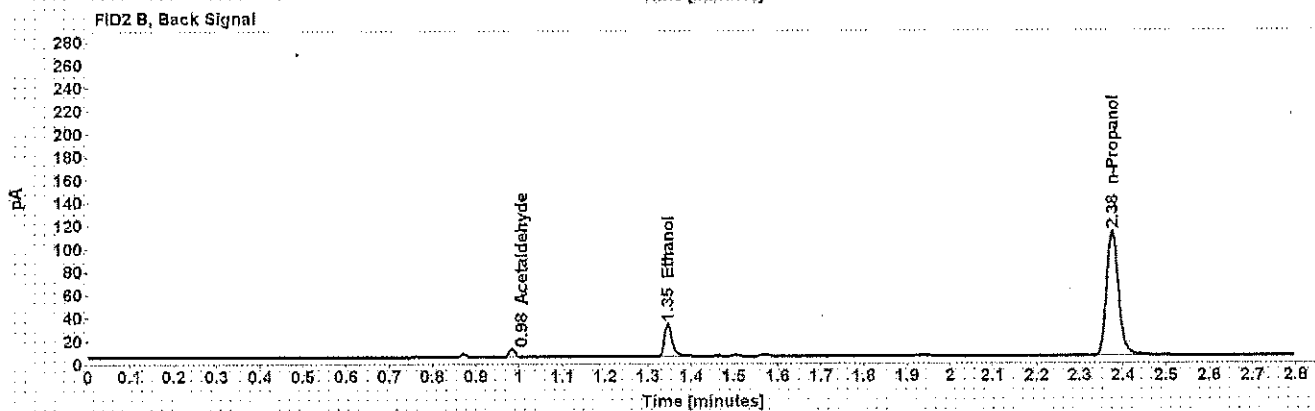
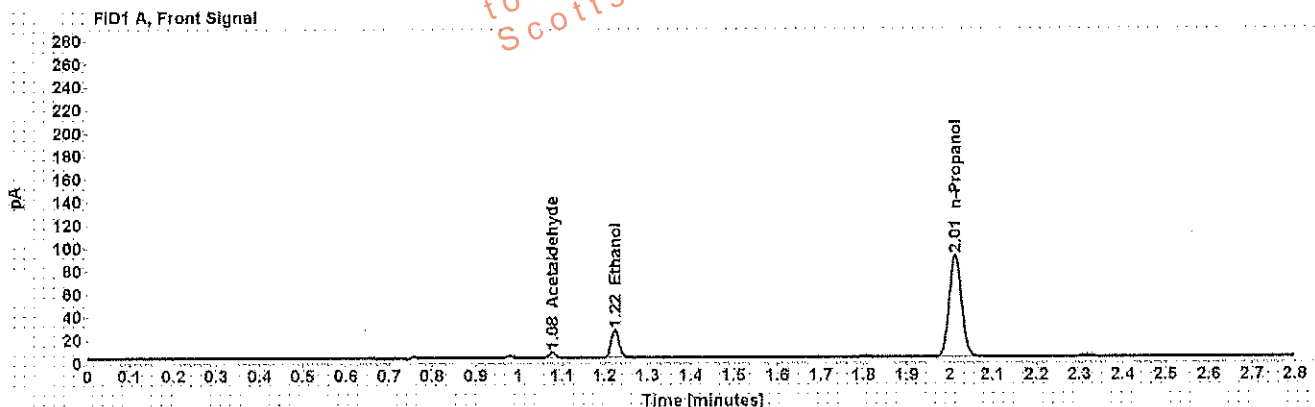


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.081
>Ethanol	0.0482	1.224	30.903
n-Propanol	-----	2.013	179.890

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.404
Ethanol	1.345	36.596
n-Propanol	2.375	210.125

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1183698
Injection date: 1/31/2018 9:43:50 AM	Vial: 15
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Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\31Jan18\15.D	

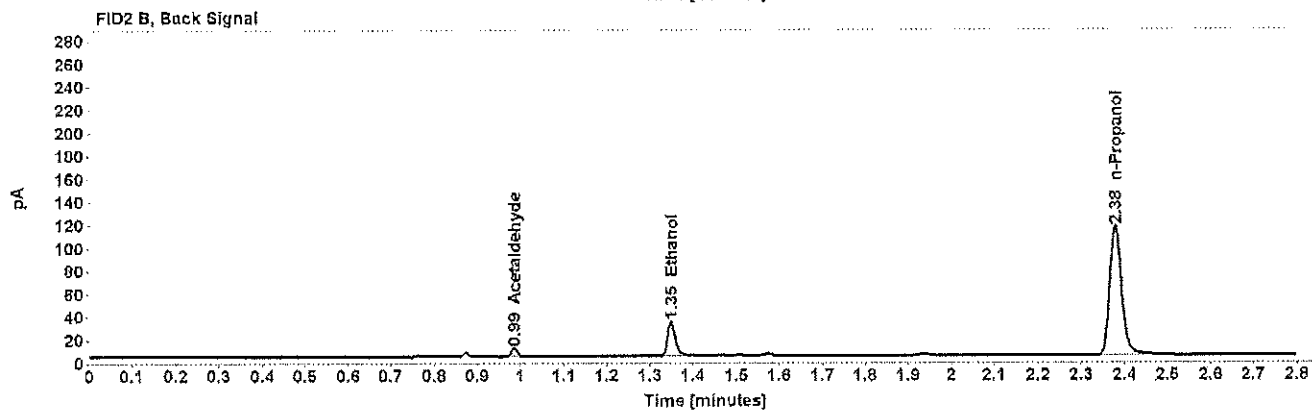
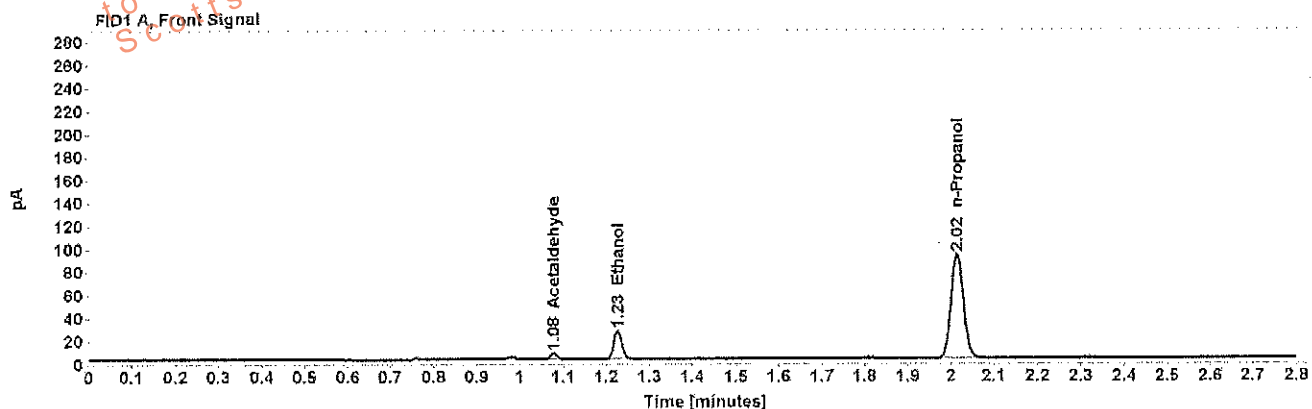


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.079	5.305
>Ethanol	0.0490	1.227	32.344
n-Propanol	-----	2.015	185.113

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	6.690
Ethanol	1.349	38.413
n-Propanol	2.379	216.485

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173859
Injection date: 1/31/2018 9:47:50 AM	Vial: 16
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\16.D	

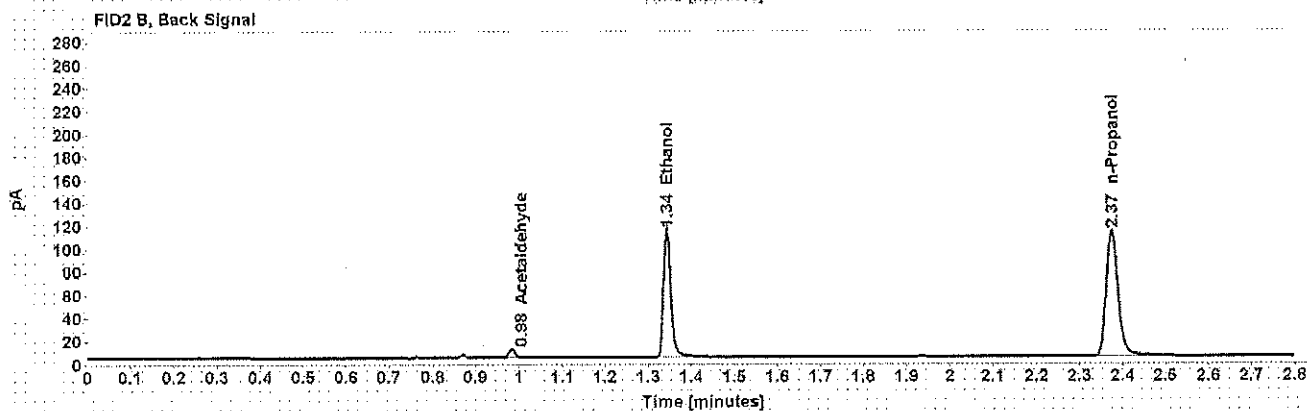
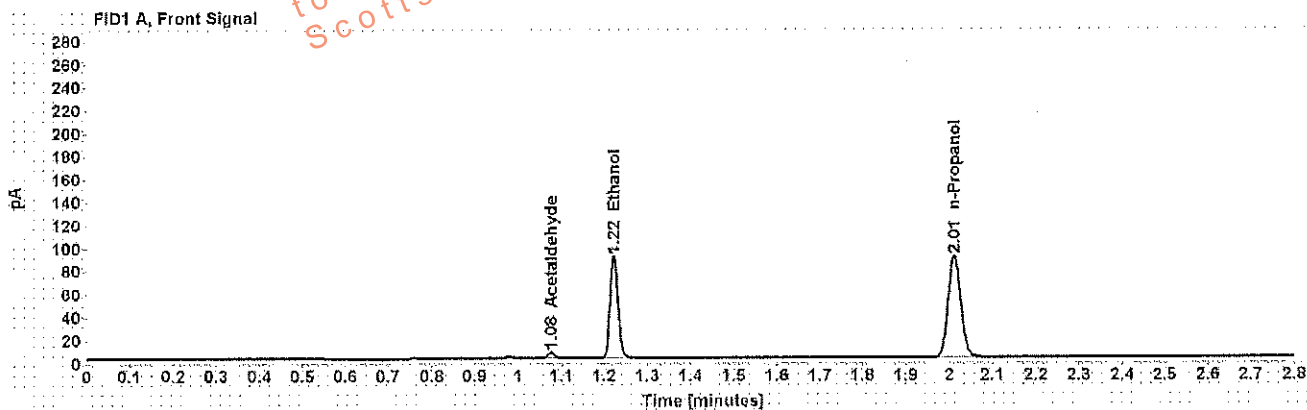


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.528
>Ethanol	0.1739	1.223	114.043
n-Propanol	-----	2.013	180.792

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	6.965
Ethanol	1.343	135.010
n-Propanol	2.375	211.393

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1173859
Injection date: 1/31/2018 9:51:51 AM	Vial: 17
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\17.D	

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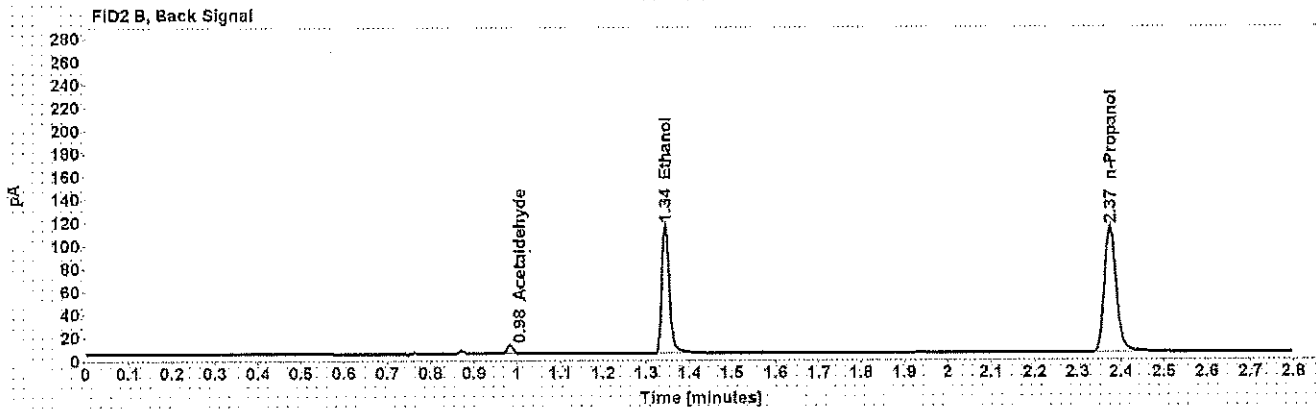
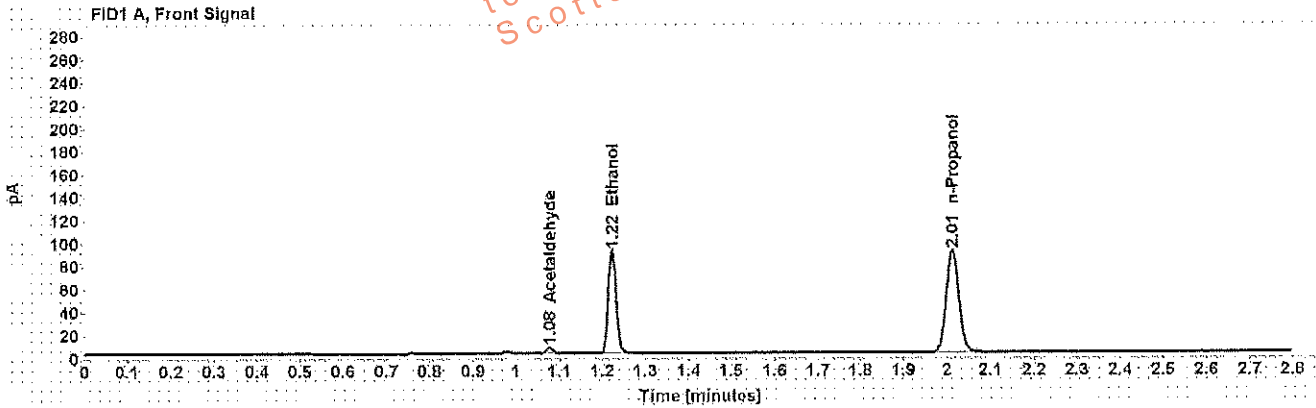


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.608
>Ethanol	0.1745	1.223	114.790
n-Propanol	-----	2.013	181.376

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	7.106
Ethanol	1.343	135.870
n-Propanol	2.375	210.941

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1192797
Injection date: 1/31/2018 9:55:51 AM	Vial: 18
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\18.D	

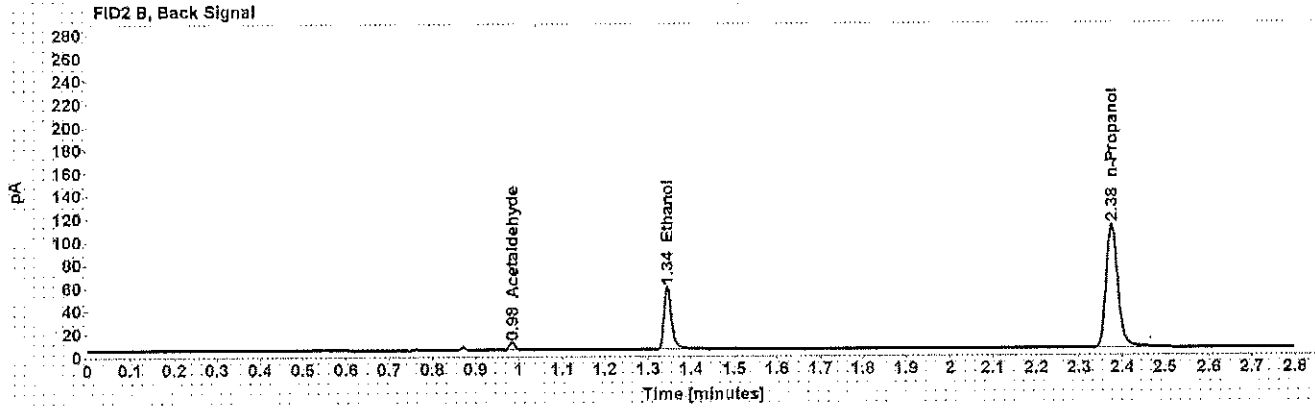
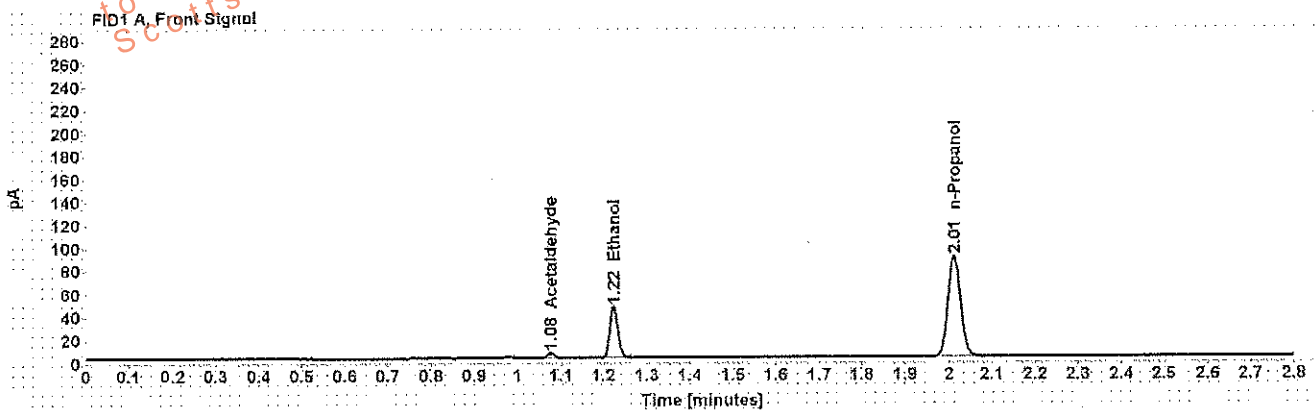


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.581
>Ethanol	0.0887	1.223	56.967
n-Propanol	-----	2.013	178.265

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.791
Ethanol	1.344	66.307
n-Propanol	2.375	207.371

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1192797
Injection date: 1/31/2018 10:00:06 AM	Vial: 19
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173028 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\19.D	

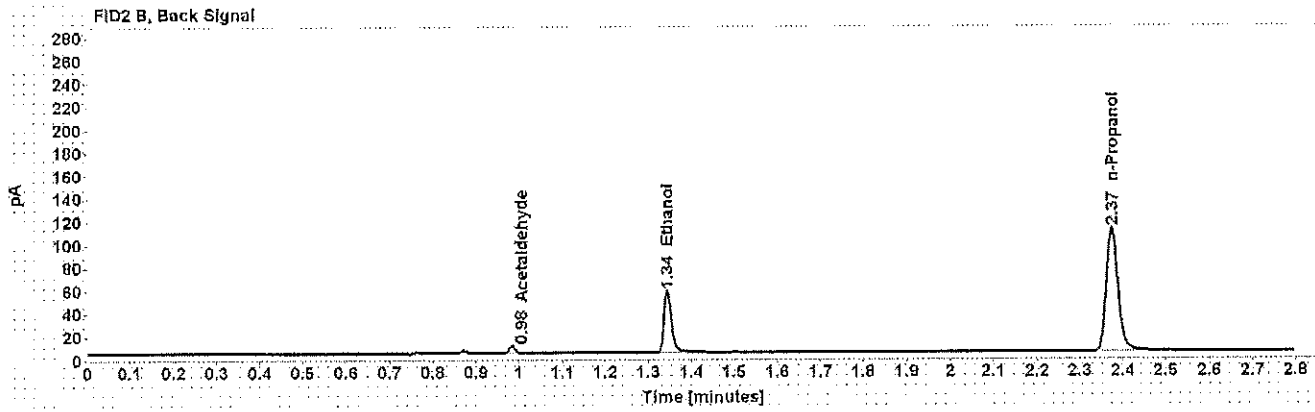
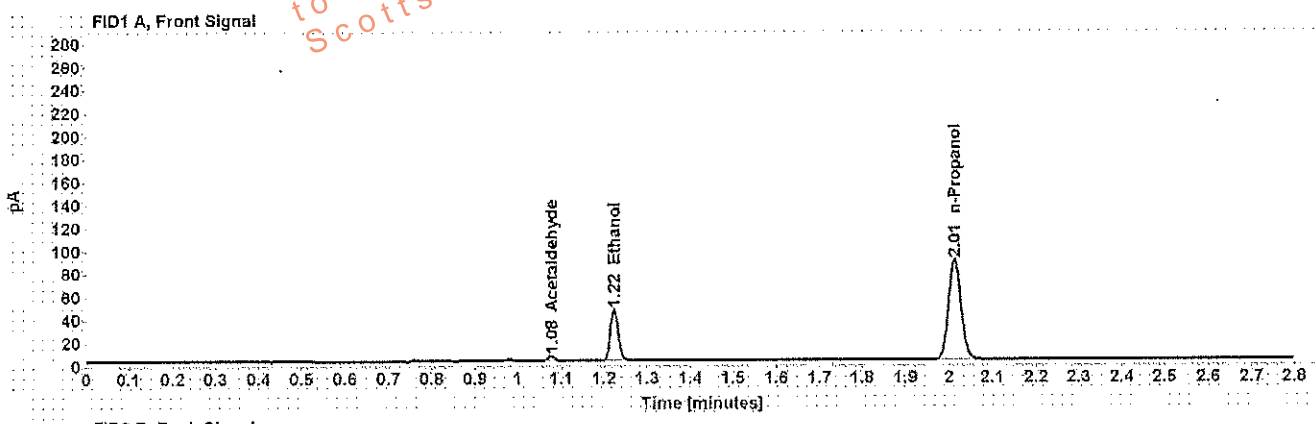


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.425
>Ethanol	0.0884	1.223	56.615
n-Propanol	-----	2.012	177.804

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.598
Ethanol	1.344	65.755
n-Propanol	2.375	207.021

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174973
Injection date: 1/31/2018 10:08:06 AM	Vial: 21
Method: ethanol quant.M	Sequencer: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\21.D	

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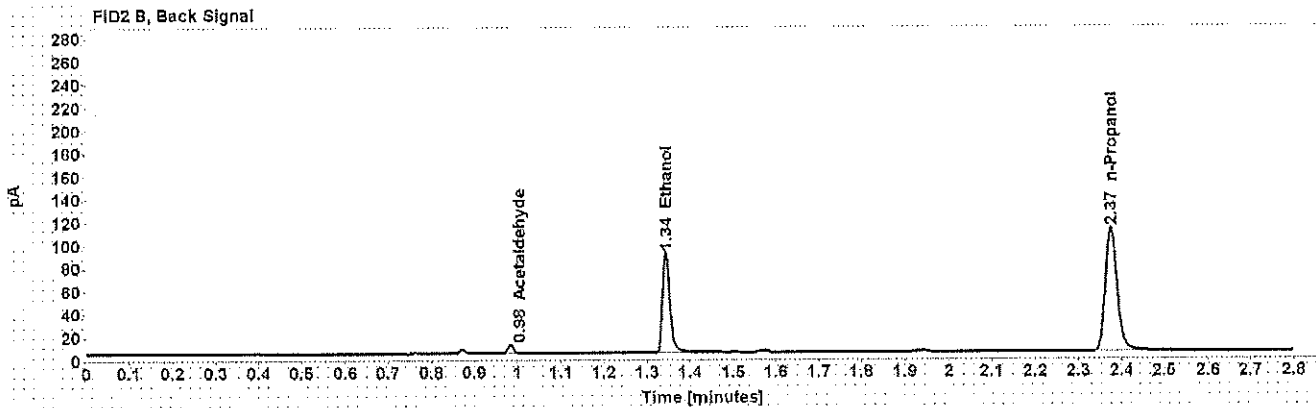
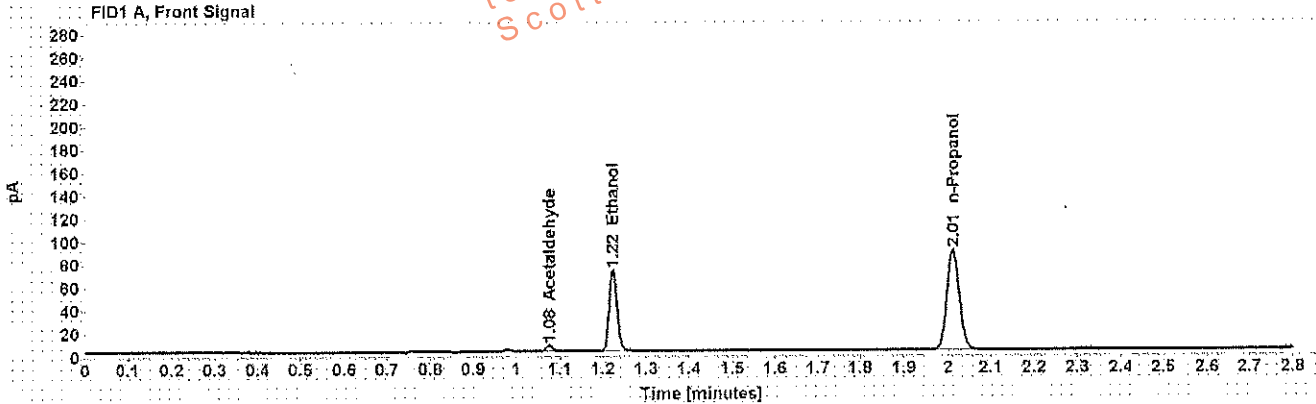


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.481
>Ethanol	0.1397	1.223	90.260
n-Propanol	-----	2.013	178.393

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.906
Ethanol	1.344	107.612
n-Propanol	2.375	207.675

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1174973
Injection date: 1/31/2018 10:12:05 AM	Vial: 22
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\22.D	

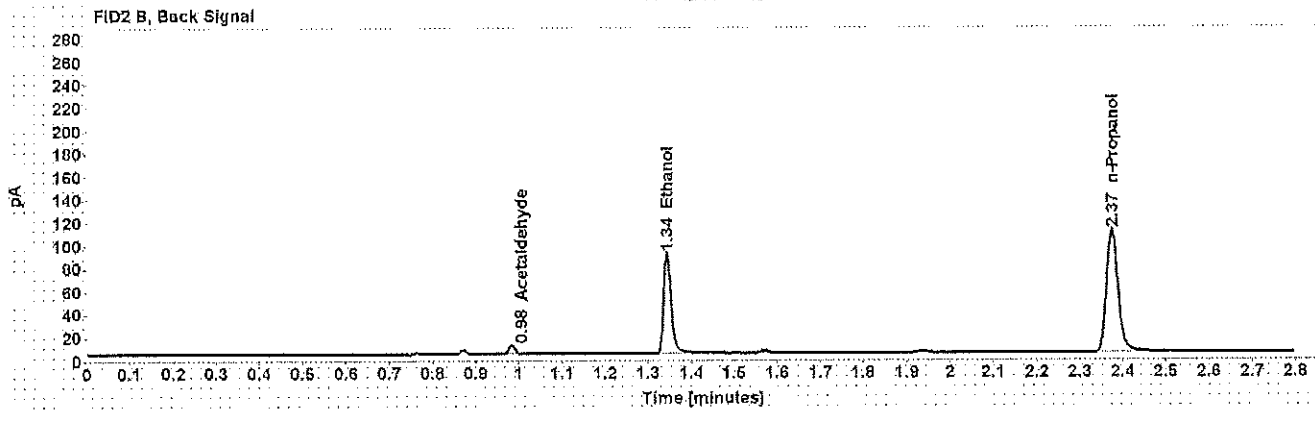
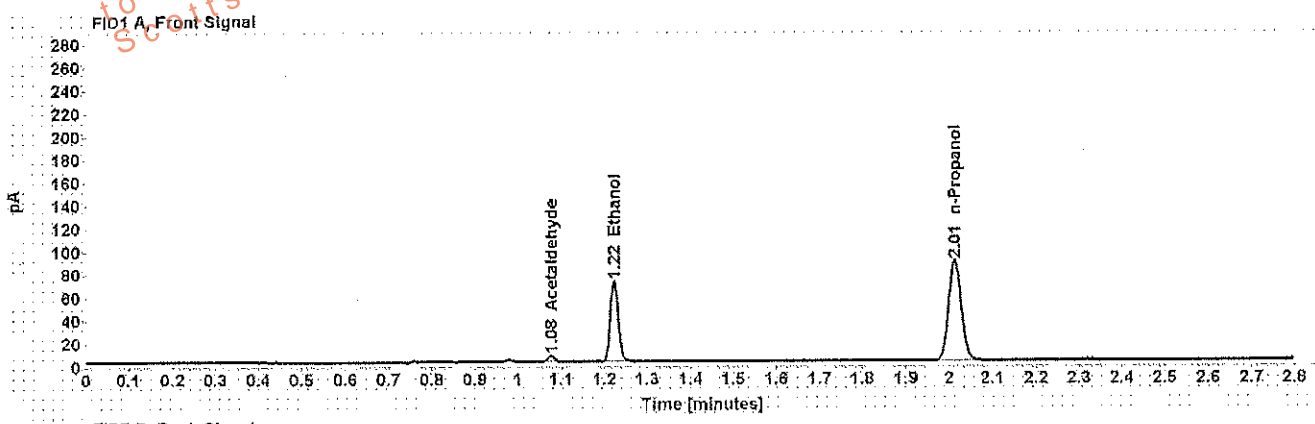


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.513
>Ethanol	0.1398	1.223	89.992
n-Propanol	-----	2.013	177.736

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.967
Ethanol	1.344	107.778
n-Propanol	2.375	206.644

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED] **Item number:** 1188459
Injection date: 1/31/2018 10:16:05 AM **Vial:** 23
Method: ethanol quant.M **Sequence:** 31Jan18
Instrument: US14173023 CN14160045 **Analyst:** Adrian
Data file: C:\Chem32\1\Data\31Jan18\23.D

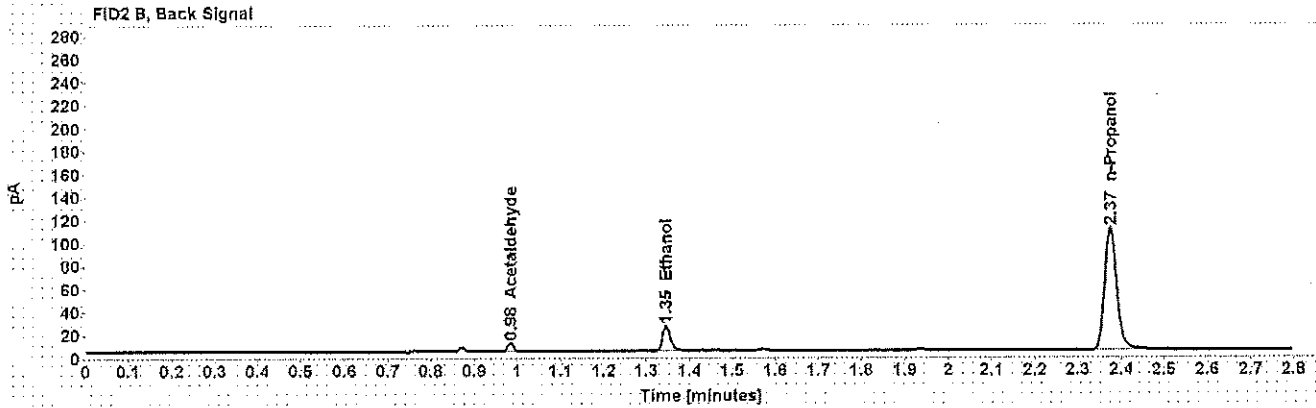
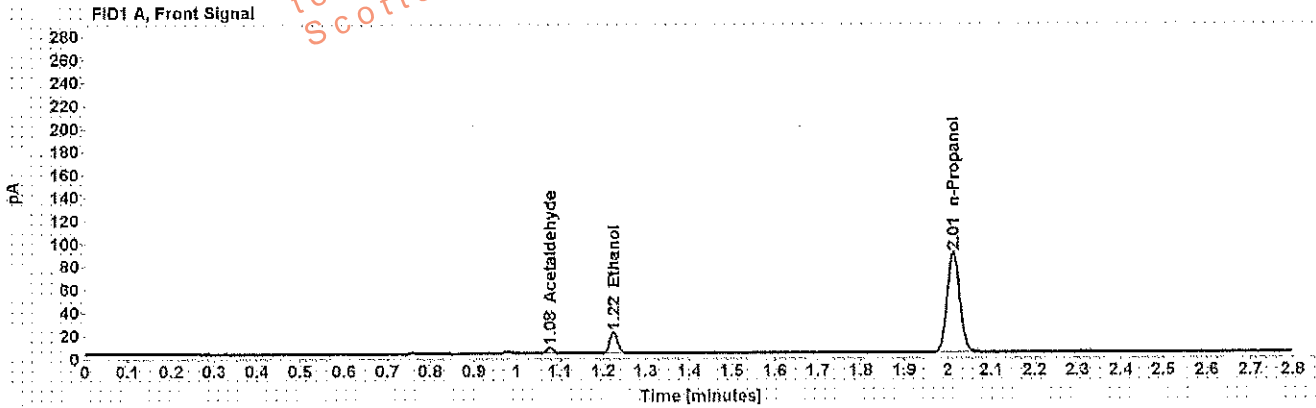


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.448
>Ethanol	0.0377	1.224	23.546
n-Propanol	-----	2.013	176.422

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.894
Ethanol	1.346	27.997
n-Propanol	2.375	206.294

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1188459
Injection date: 1/31/2018 10:20:05 AM	Vial: 24
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\24.D	

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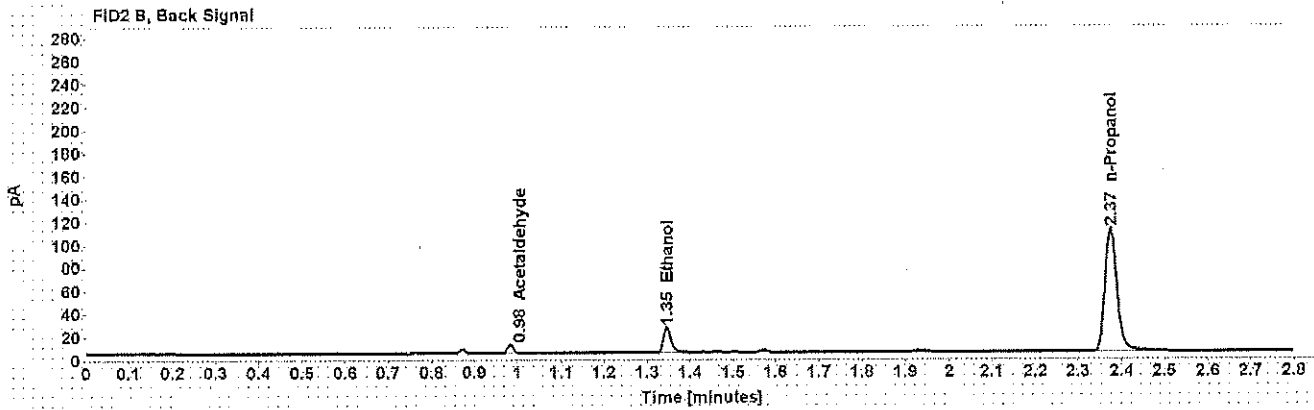
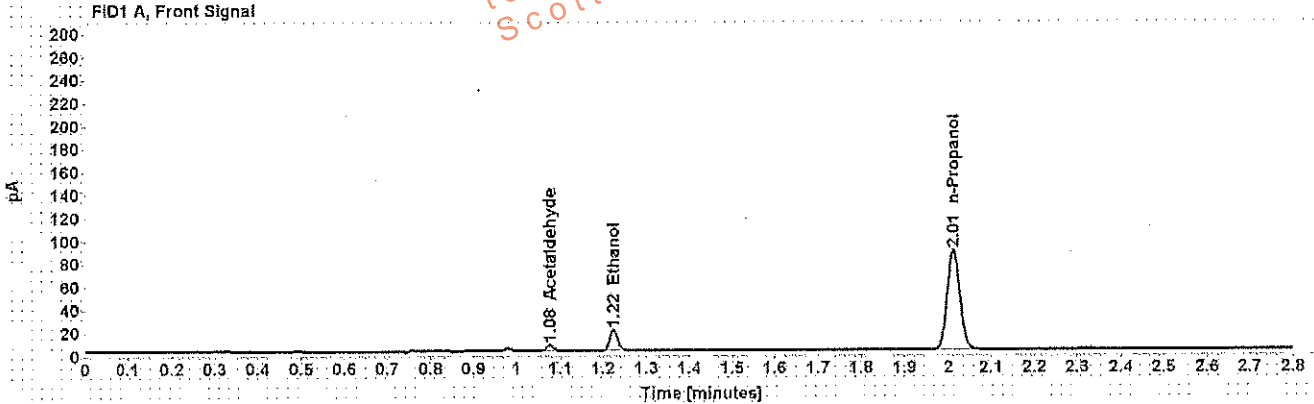


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.475
>Ethanol	0.0374	1.224	23.564
n-Propanol	-----	2.012	178.126

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.913
Ethanol	1.345	28.120
n-Propanol	2.375	207.138

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1175981
Injection date: 1/31/2018 10:24:21 AM	Vial: 25
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\25.D	

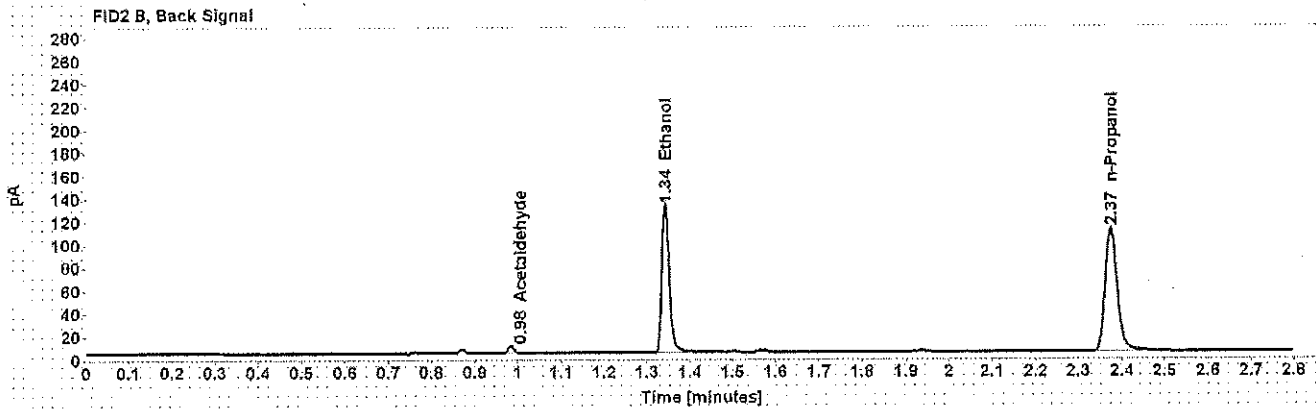
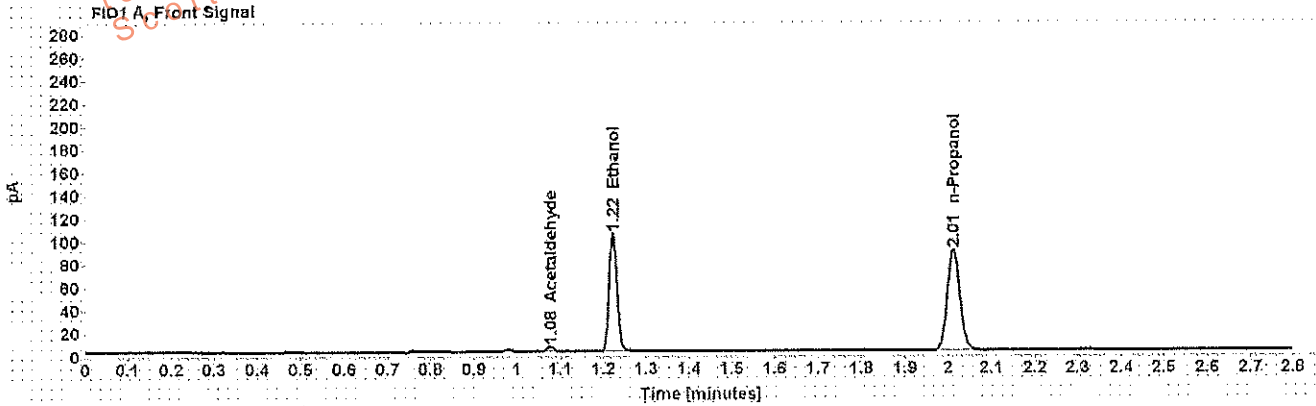


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.463
>Ethanol	0.2038	1.223	131.623
n-Propanol	-----	2.012	177.886

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.682
Ethanol	1.343	157.513
n-Propanol	2.375	208.703

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1175981
Injection date: 1/31/2018 10:28:20 AM	Vial: 26
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
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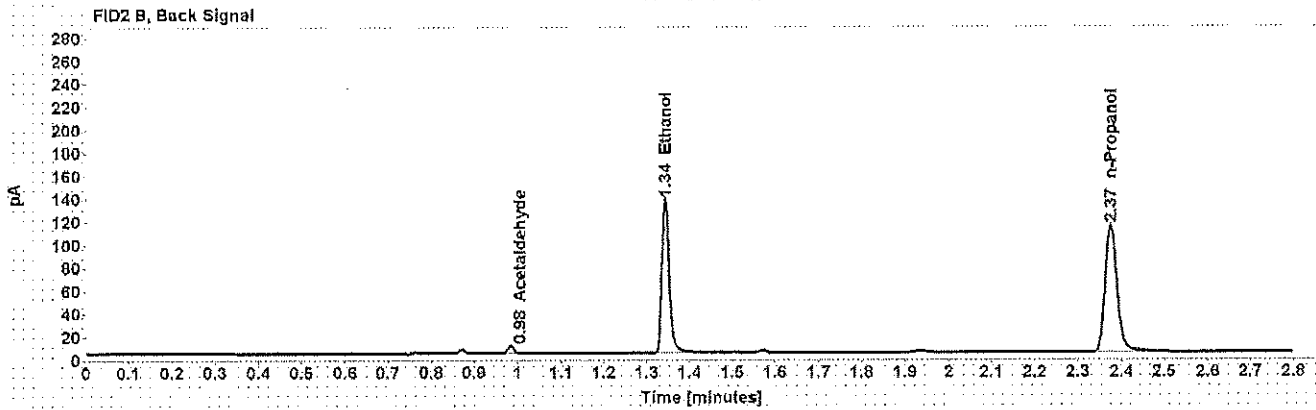
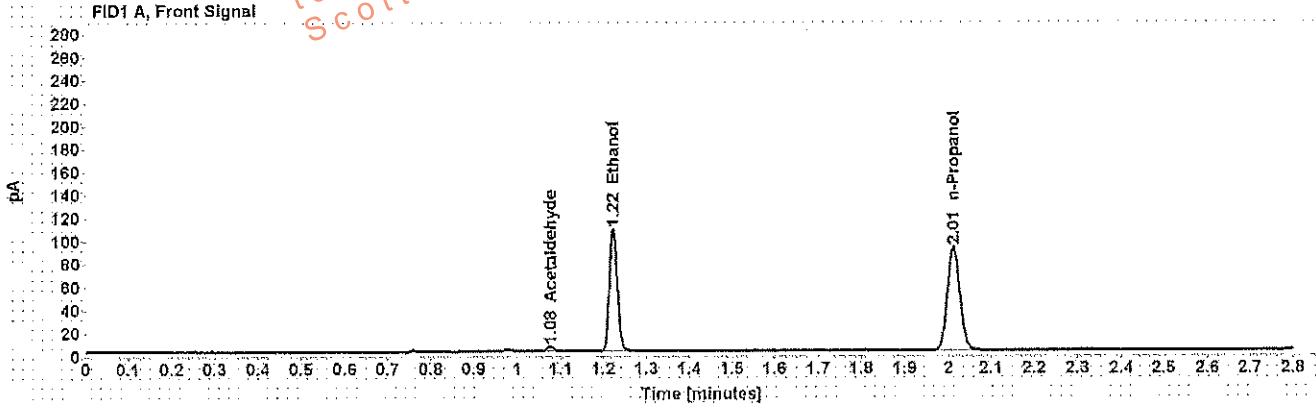


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.711
>Ethanol	0.2052	1.223	136.206
n-Propanol	-----	2.013	182.801

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.941
Ethanol	1.343	163.175
n-Propanol	2.375	214.239

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1192513
Injection date: 1/31/2018 10:32:20 AM	Vial: 27
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\27.D	

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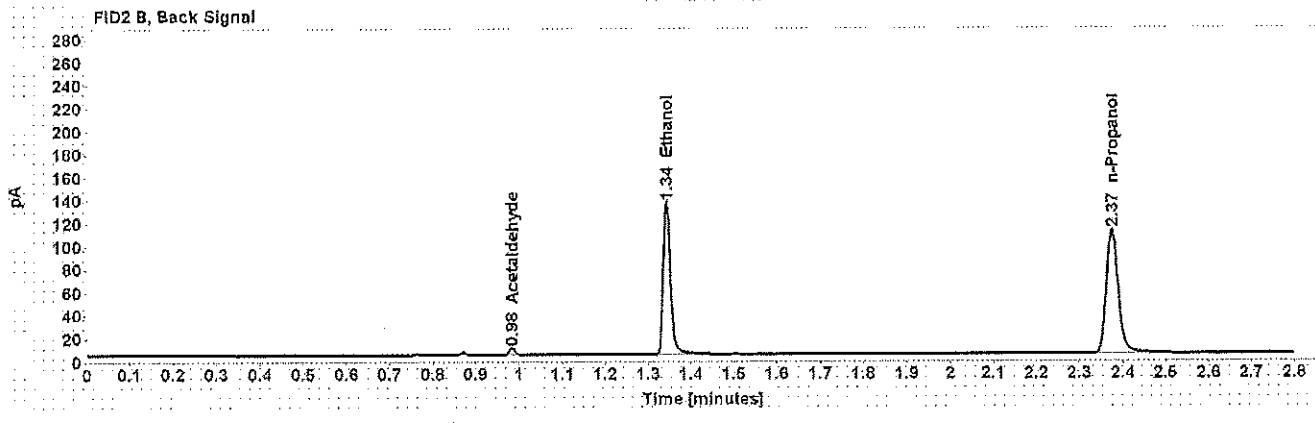
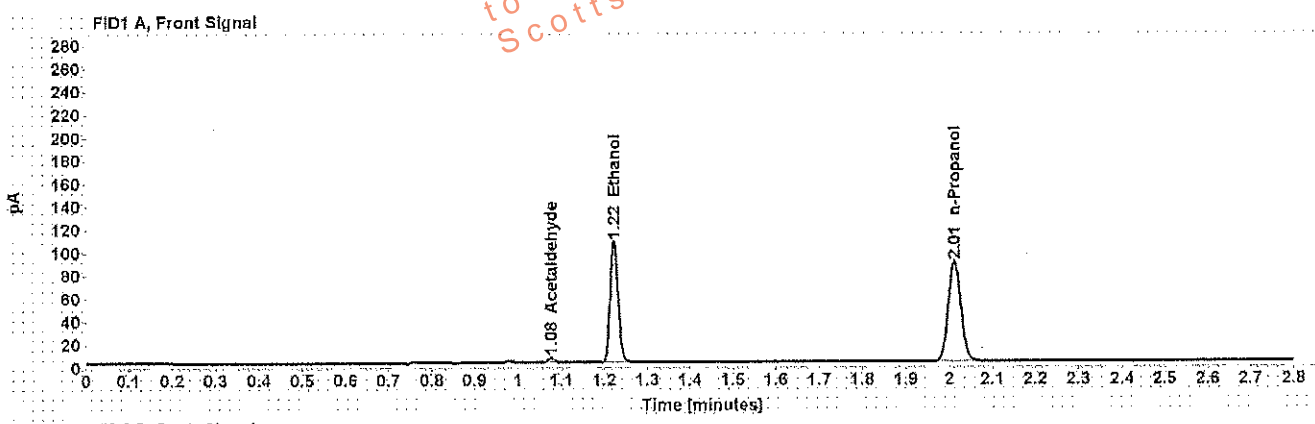


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.154
>Ethanol	0.2087	1.222	134.937
n-Propanol	-----	2.012	177.994

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.239
Ethanol	1.343	160.514
n-Propanol	2.374	208.202

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1192513
Injection date: 1/31/2018 10:36:21 AM	Vial: 28
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\11\Data\31Jan18\28.D	

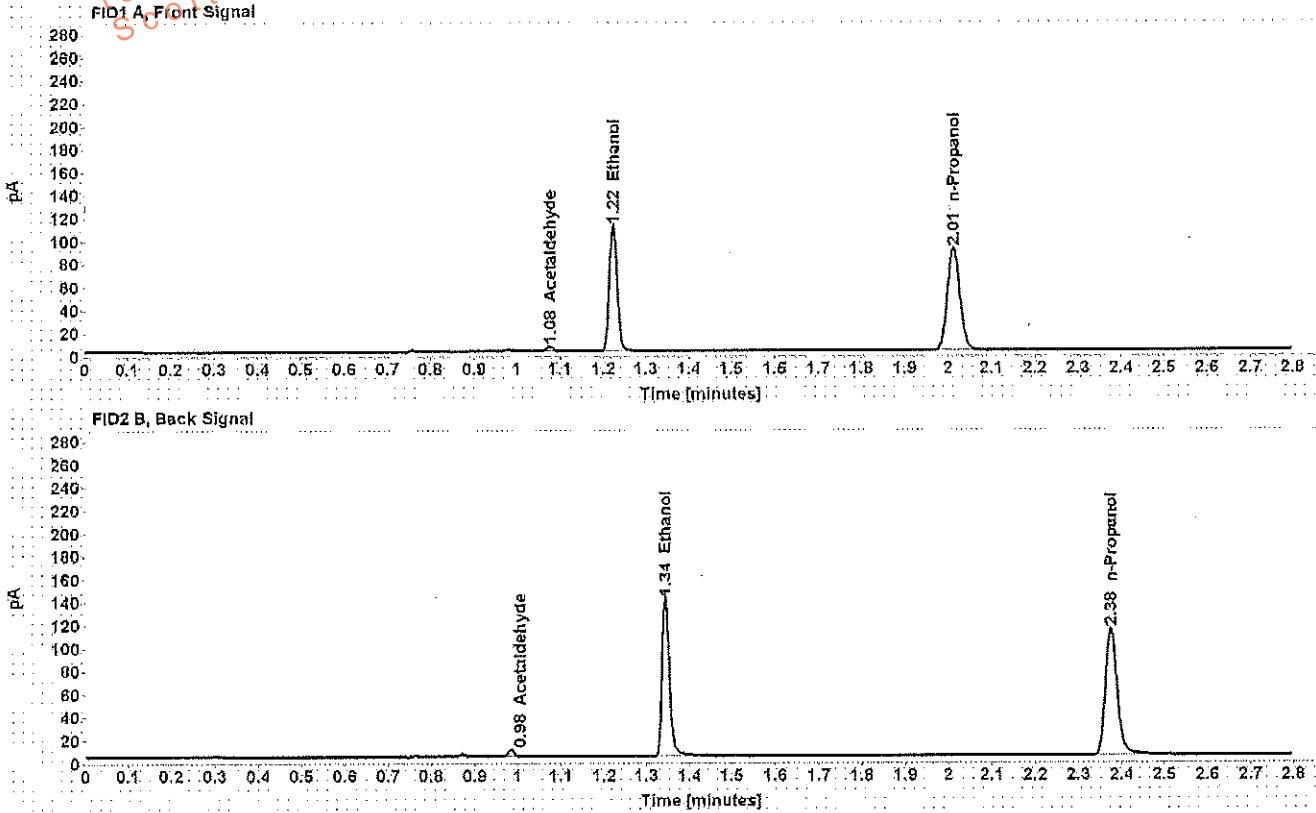


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.466
>Ethanol	0.2118	1.223	140.109
n-Propanol	-----	2.013	182.168

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.603
Ethanol	1.344	166.258
n-Propanol	2.375	213.371

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[REDACTED]	Item number:	1192370
Injection date:	1/31/2018 10:40:20 AM	Vial:	29
Method:	ethanol quant.M	Sequence:	31Jan18
Instrument:	US14173023 CN14160045	Analyst:	Adrian
Data file:	C:\Chem32\1\Data\31Jan18\29.D		

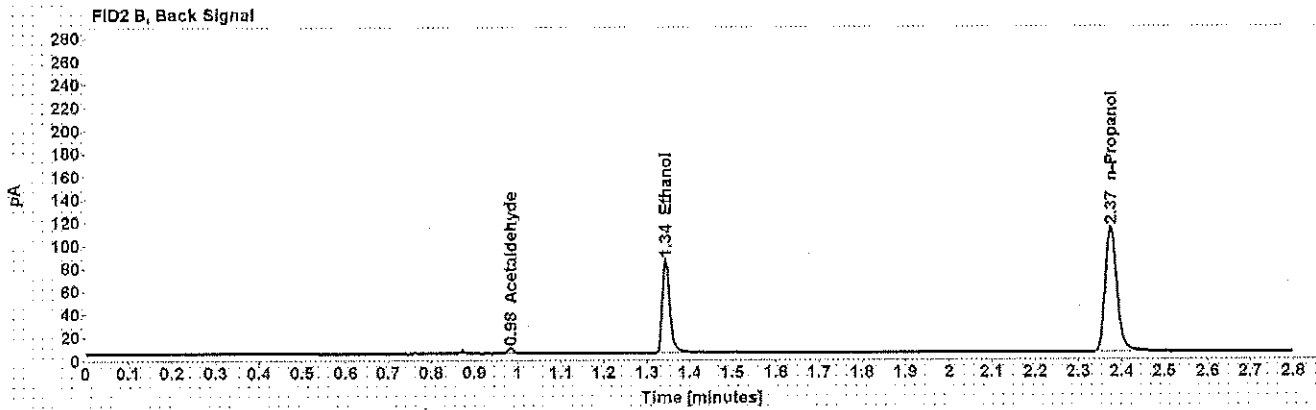
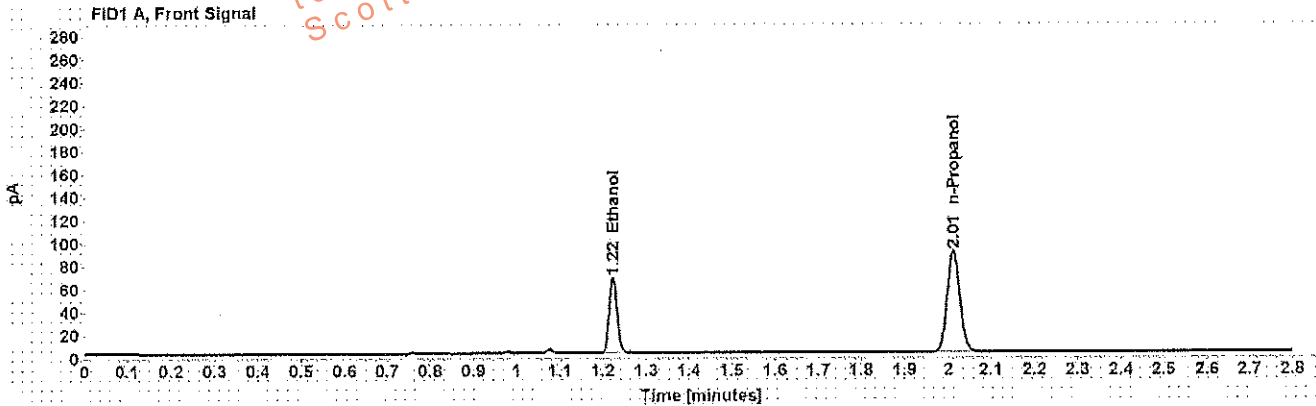


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1294	1.223	84.328
n-Propanol	-----	2.012	180.077

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.234
Ethanol	1.343	99.375
n-Propanol	2.375	210.458

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1192370
Injection date: 1/31/2018 10:44:20 AM	Vial: 30
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\30.D	

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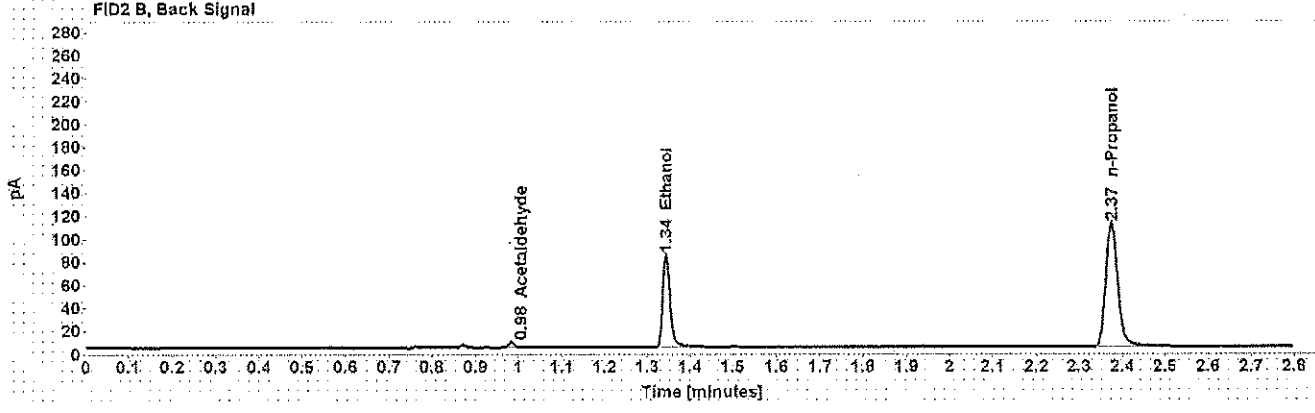
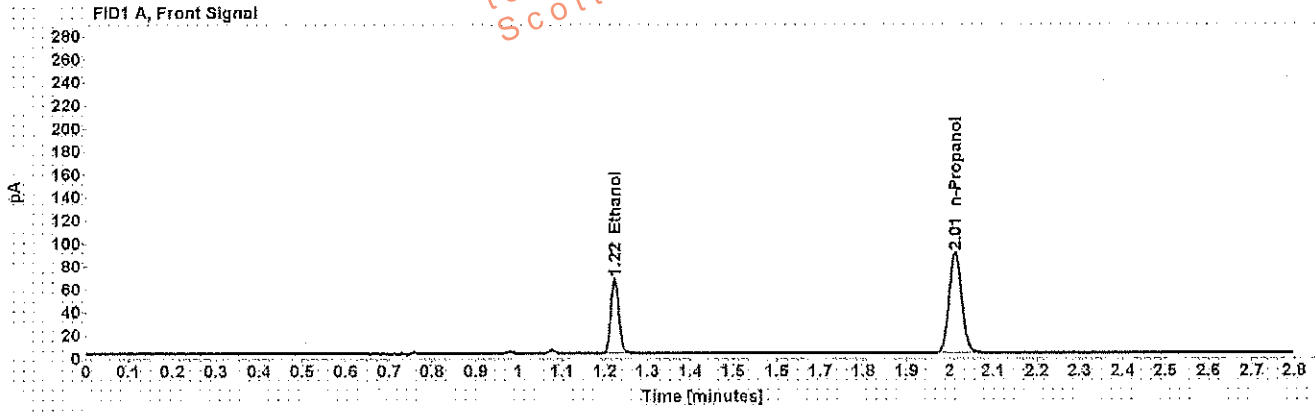


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1294	1.223	83.714
n-Propanol	-----	2.012	178.728

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.304
Ethanol	1.344	98.135
n-Propanol	2.375	208.766

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1192383
Injection date: 1/31/2018 10:52:35 AM	Vial: 32
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem3211\Data\31Jan18\32.D	

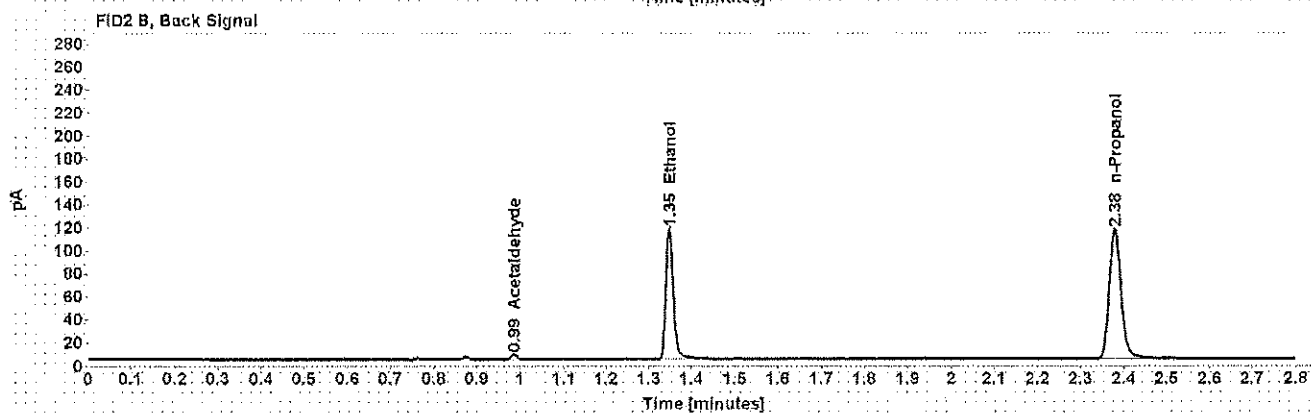
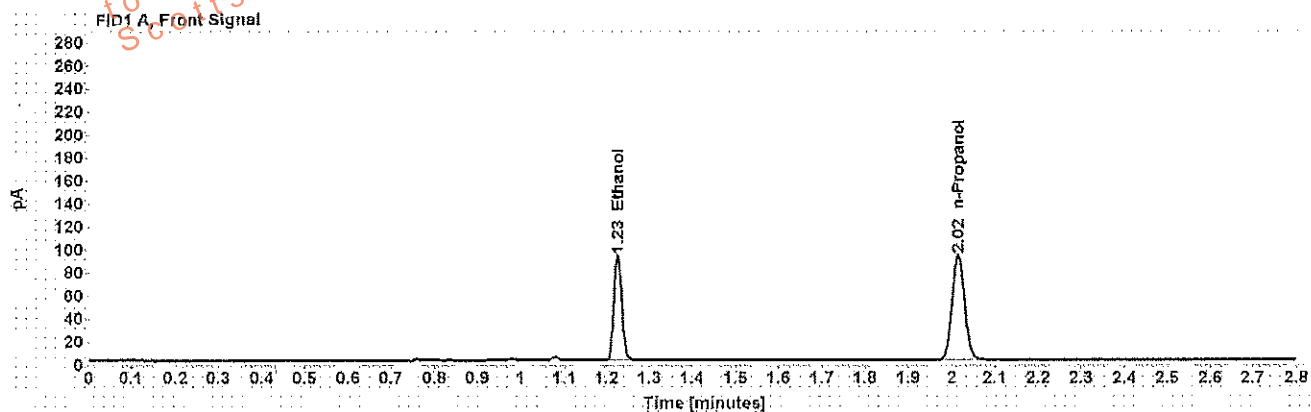


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1733	1.226	117.301
n-Propanol	-----	2.015	186.609

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	3.772
Ethanol	1.348	139.245
n-Propanol	2.379	218.711

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1192383
Injection date: 1/31/2018 10:56:35 AM	Vial: 33
Method: ethanol quant.M	Sequence: 31Jan18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\31Jan18\33.D	

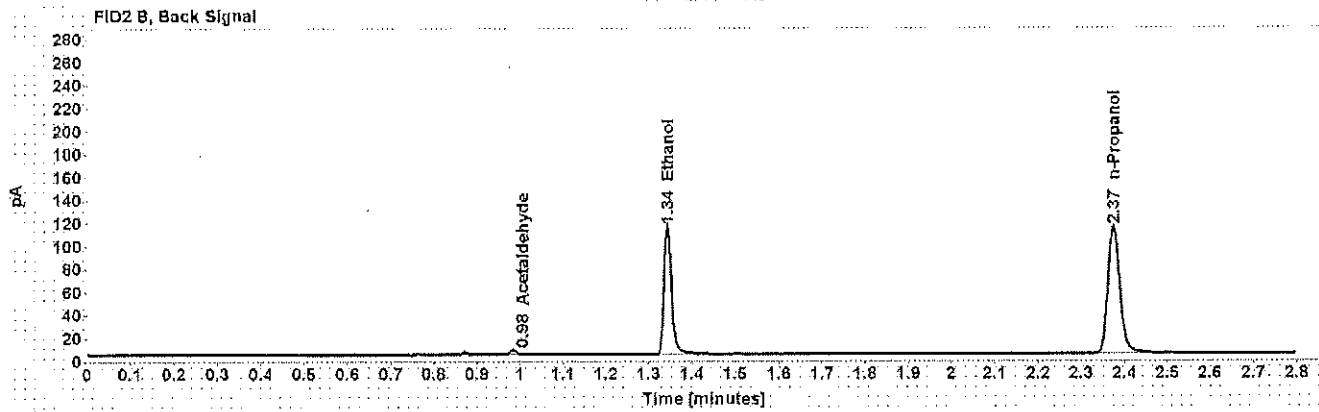
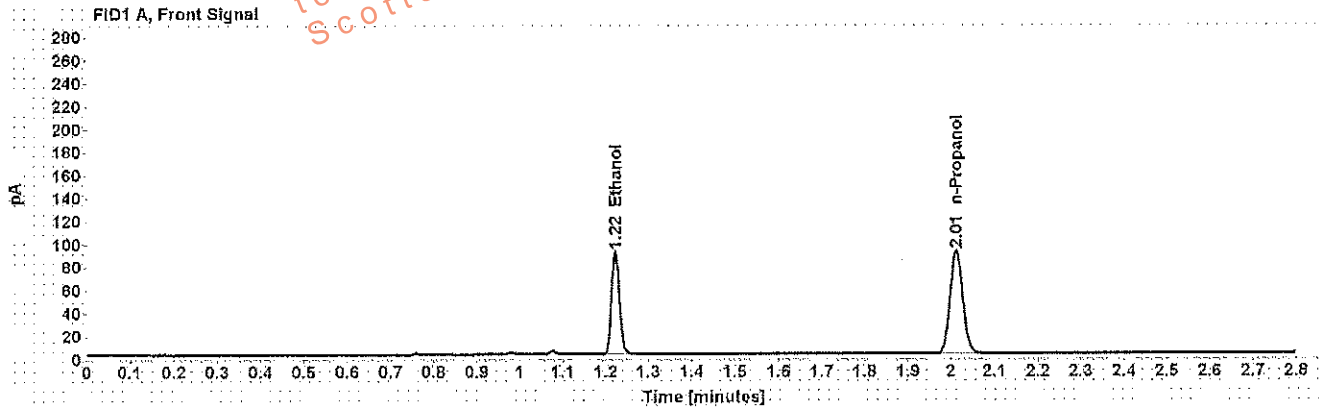


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1721	1.223	114.299
n-Propanol	-----	2.013	183.087

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.864
Ethanol	1.343	135.663
n-Propanol	2.375	214.590