

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 03/17/20 SEQUENCE NAME 17Mar20

### EQUIPMENT

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

### INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination ( $r^2$ )  
 Vial 2 0.10 calibrator Lot FN02271802 0.99998  
 Vial 3 0.20 calibrator Lot FN06231704  
 Vial 4 0.40 calibrator Lot FN05131606

### CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 121219
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.150 g/dL	0.152 g/dL	Lipomed 14082019-C
42	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.202 g/dL	ACQ 407041529/13
45	Blank	Not detected	Not detected	SPD lab 040919WB

### SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Run valid   
 Run invalid

  
 Analyst

Run valid   
 Run invalid

  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

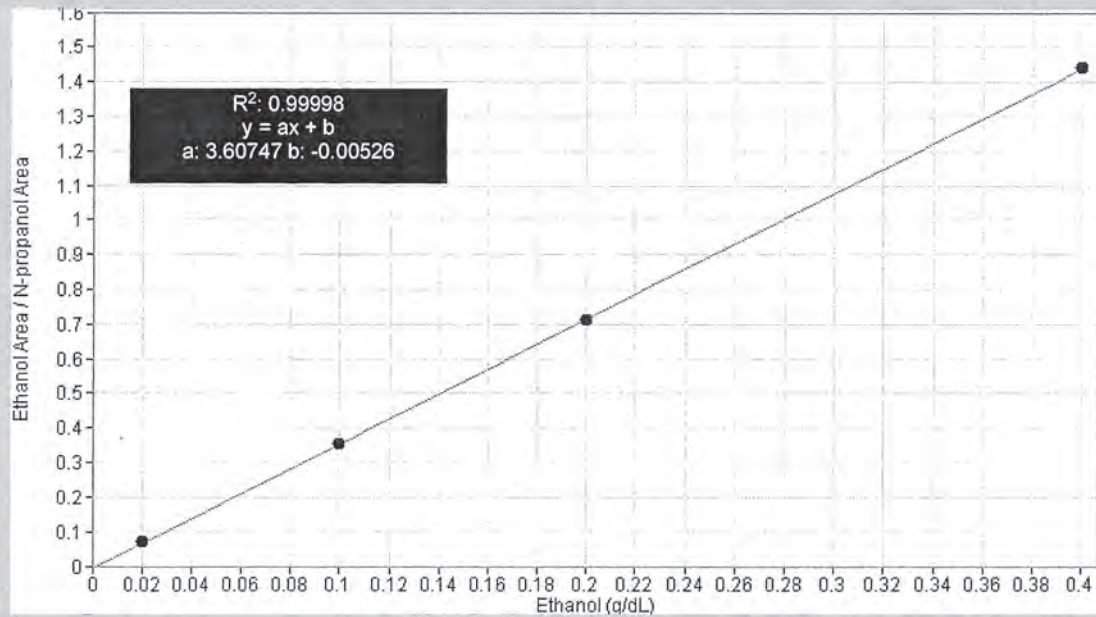
SEQUENCE NAME: 17Mar20

ANALYST: Brooke <sup>18</sup>

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 121219	5	negative	negative	-	-
0.400 11092018-A	7	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.198 407041529/13	9	0.199	0.198	0.51	0.001
0.080 03102016-A/1	20	0.081	0.080	1.25	0.001
0.150 14082019-C	31	0.152	0.150	1.33	0.002
0.400 11092018-A	42	0.401	0.400	0.25	0.001
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.198 407041529/13	44	0.202	0.198	2.02	0.004
blank 040919VVB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.773	169.661	0.069
0.100	61.123	172.237	0.355
0.200	120.707	169.433	0.712
0.400	244.202	169.623	1.440

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 17Mar20
Method: ethanol quant.M	Injection date: 3/17/2020 3:19:17 PM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>PB</i>
Data file: C:\Chem32\1\Data\17Mar20\1.D	

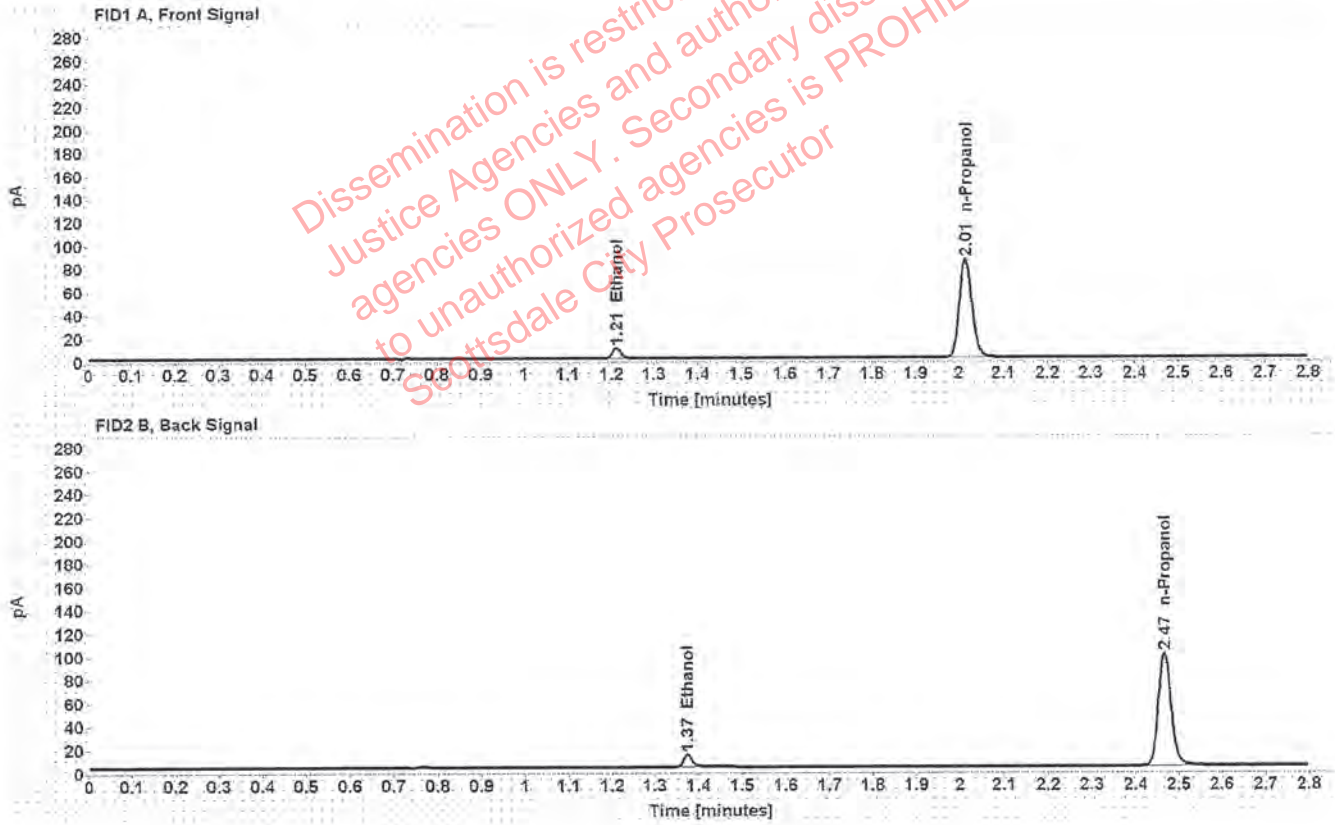


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.773
n-Propanol	2.014	169.661

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.161
n-Propanol	2.467	199.401

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 17Mar20
Method: ethanol quant.M	Injection date: 3/17/2020 3:23:16 PM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>MB</i>
Data file: C:\Chem32\1\Data\17Mar20\2.D	

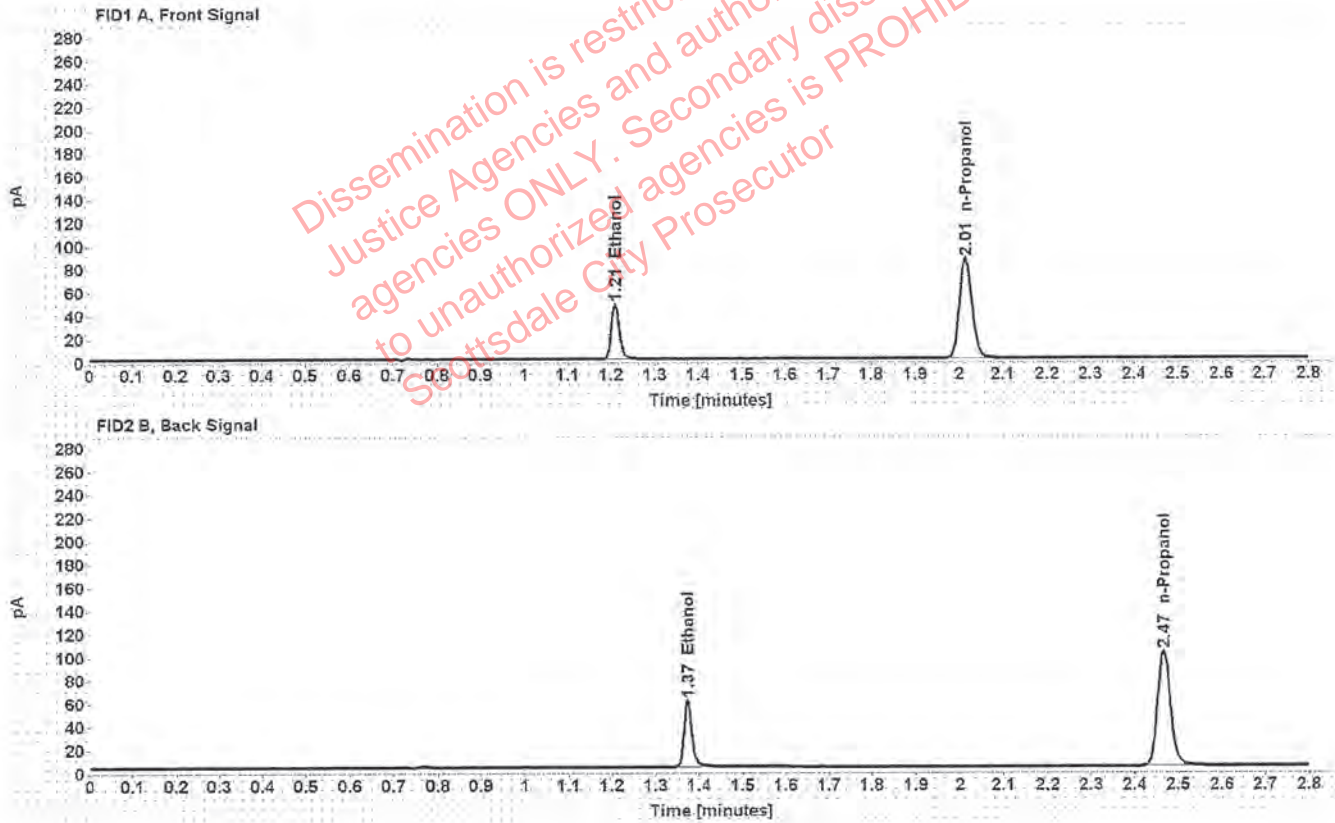


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	61.123
n-Propanol	2.014	172.237

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

Compound	Time (min)	Peak Area
Ethanol	1.373	73.887
n-Propanol	2.467	203.513

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 17Mar20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/17/2020 3:27:16 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke PB
<b>Data file:</b> C:\Chem32\1\Data\17Mar20\3.D	

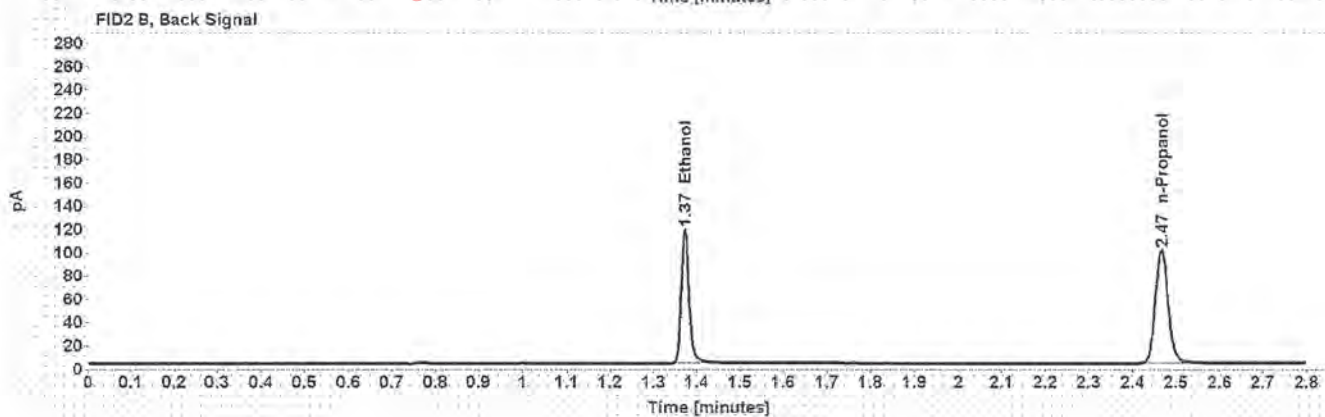
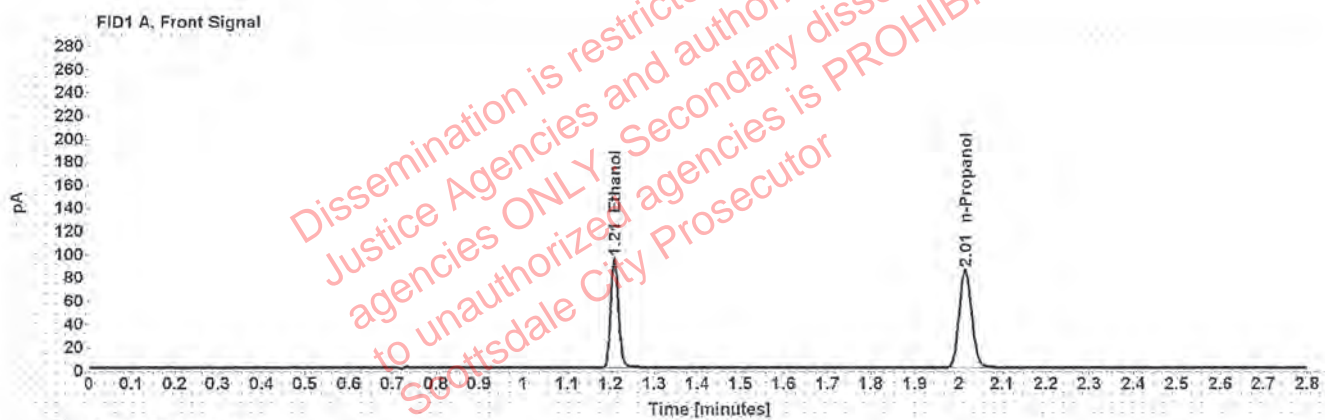


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	120.707
n-Propanol	2.014	169.433

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

Compound	Time (min)	Peak Area
Ethanol	1.373	147.431
n-Propanol	2.466	200.575

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05131606	Vial:	4
Description:	0.400 calibrator	Sequence:	17Mar20
Method:	ethanol quant.M	Injection date:	3/17/2020 3:31:17 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke <i>FB</i>
Data file:	C:\Chem32\1\Data\17Mar20\4.D		

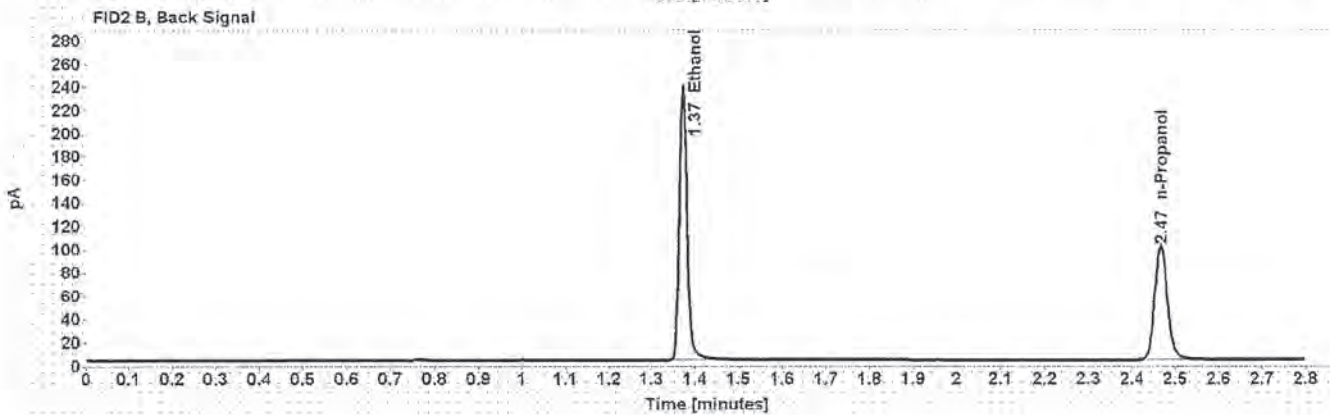
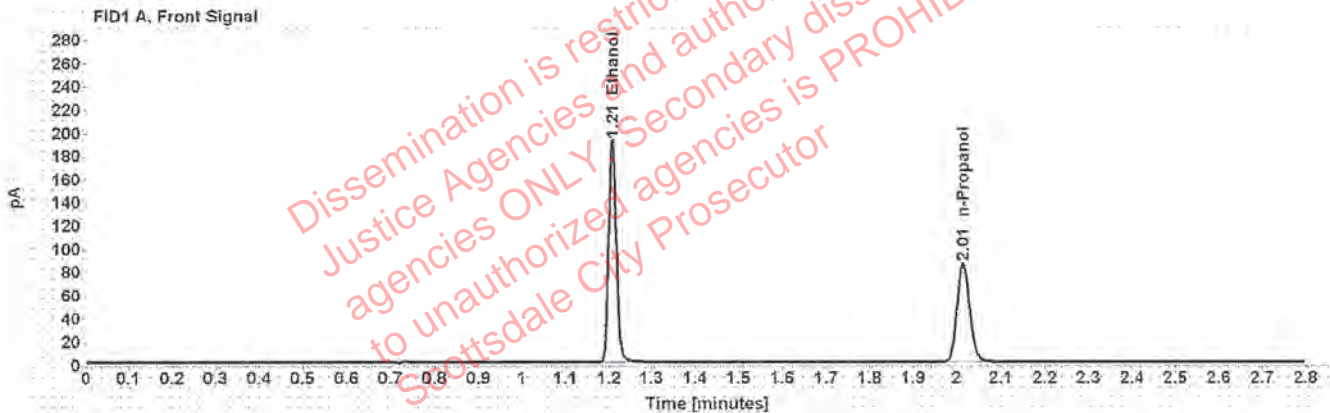


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	244.202
n-Propanol	2.014	169.623

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

Compound	Time (min)	Peak Area
Ethanol	1.373	299.234
n-Propanol	2.467	201.478

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 121219	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 3:35:17 PM
Data file: C:\Chem32\1\Data\17Mar20\5.D	Analyst: Brooke <i>PS</i>

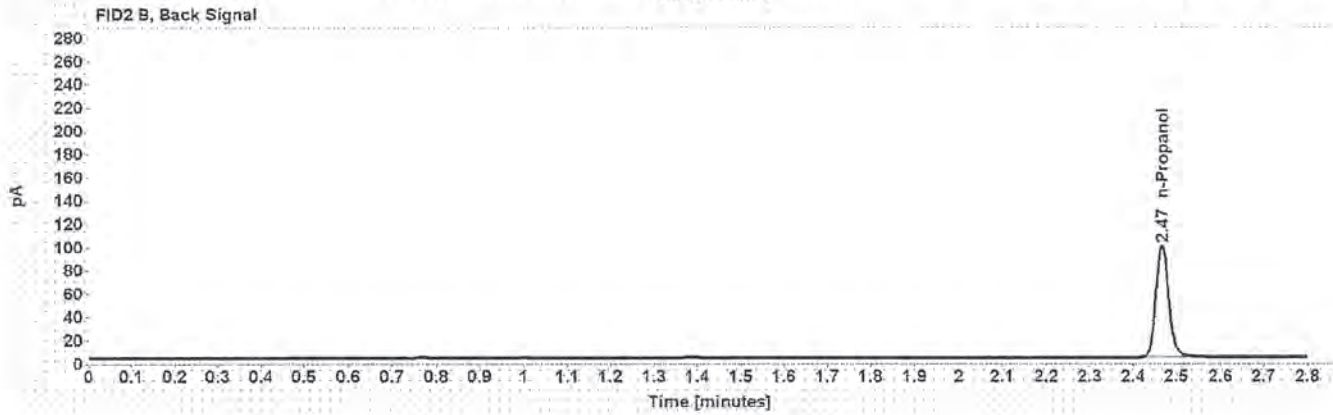
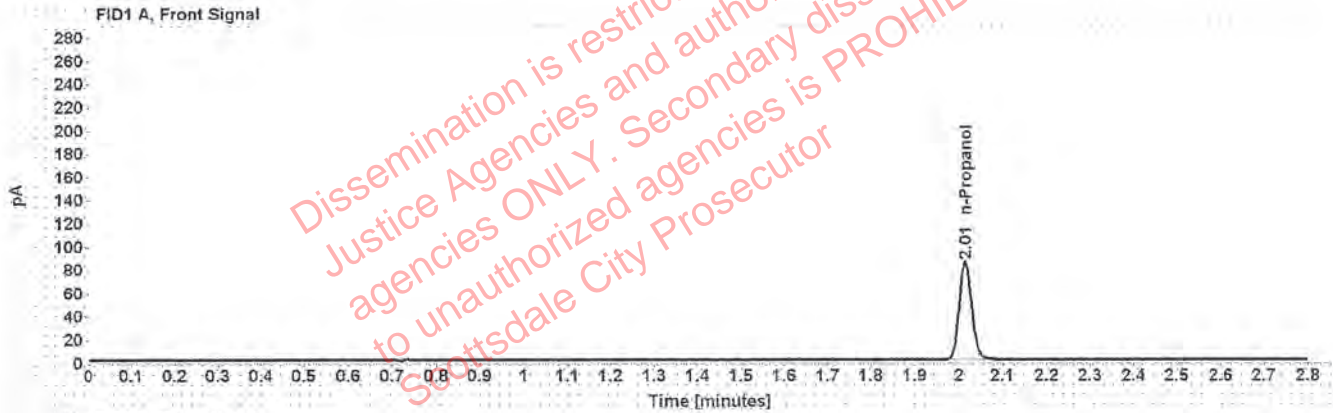


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	168.749

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	199.127

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 3:39:16 PM
Data file: C:\Chem32\1\Data\17Mar20\6.D	Analyst: Brooke <i>BA</i>

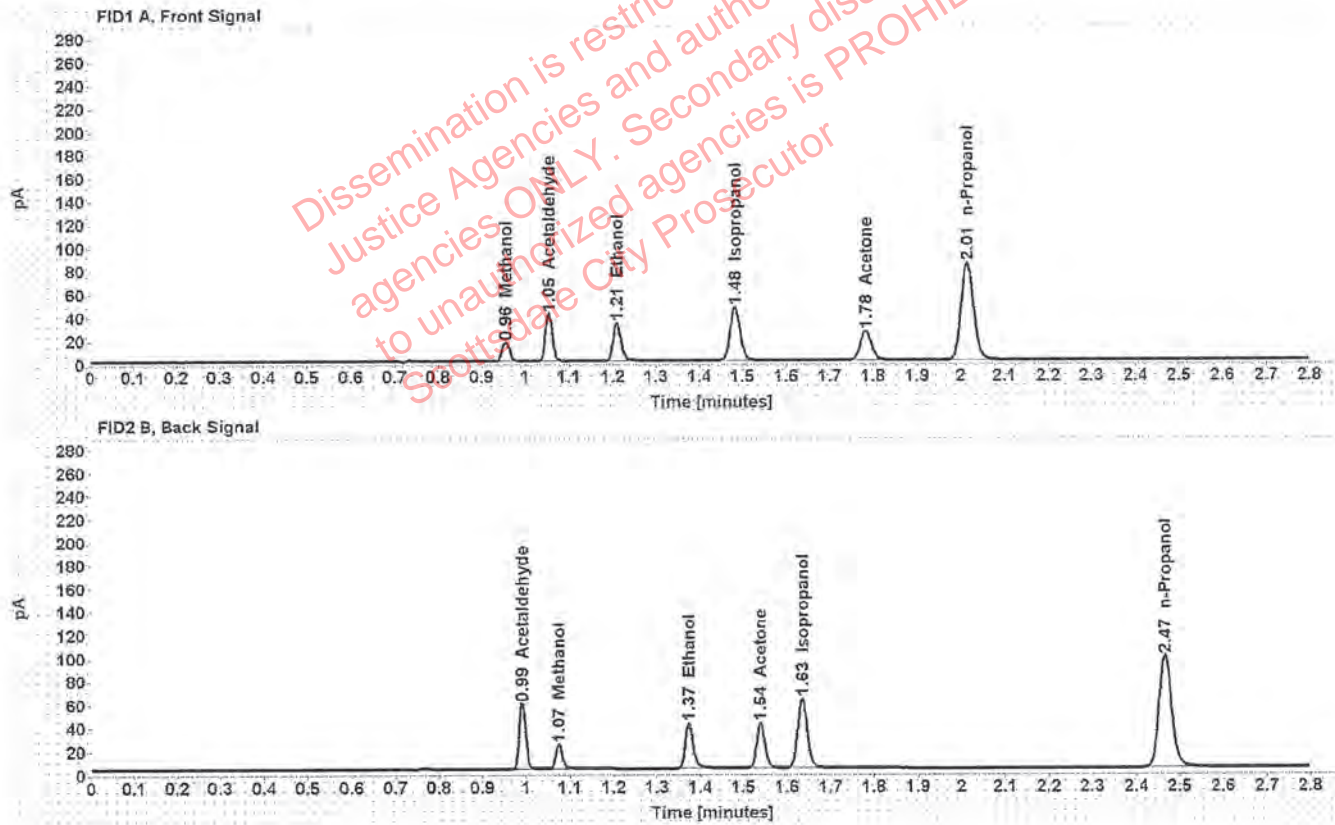


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.266
Acetaldehyde	-----	1.054	44.602
>Ethanol	0.0706	1.209	41.719
Isopropanol	-----	1.482	73.988
Acetone	-----	1.782	43.567
n-Propanol	-----	2.014	167.369

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	56.829
Methanol	1.075	23.181
Ethanol	1.373	50.332
Acetone	1.540	51.859
Isopropanol	1.635	91.426
n-Propanol	2.466	198.814



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 3:43:32 PM
Data file: C:\Chem32\1\Data\17Mar20\7.D	Analyst: Brooke <i>BP</i>

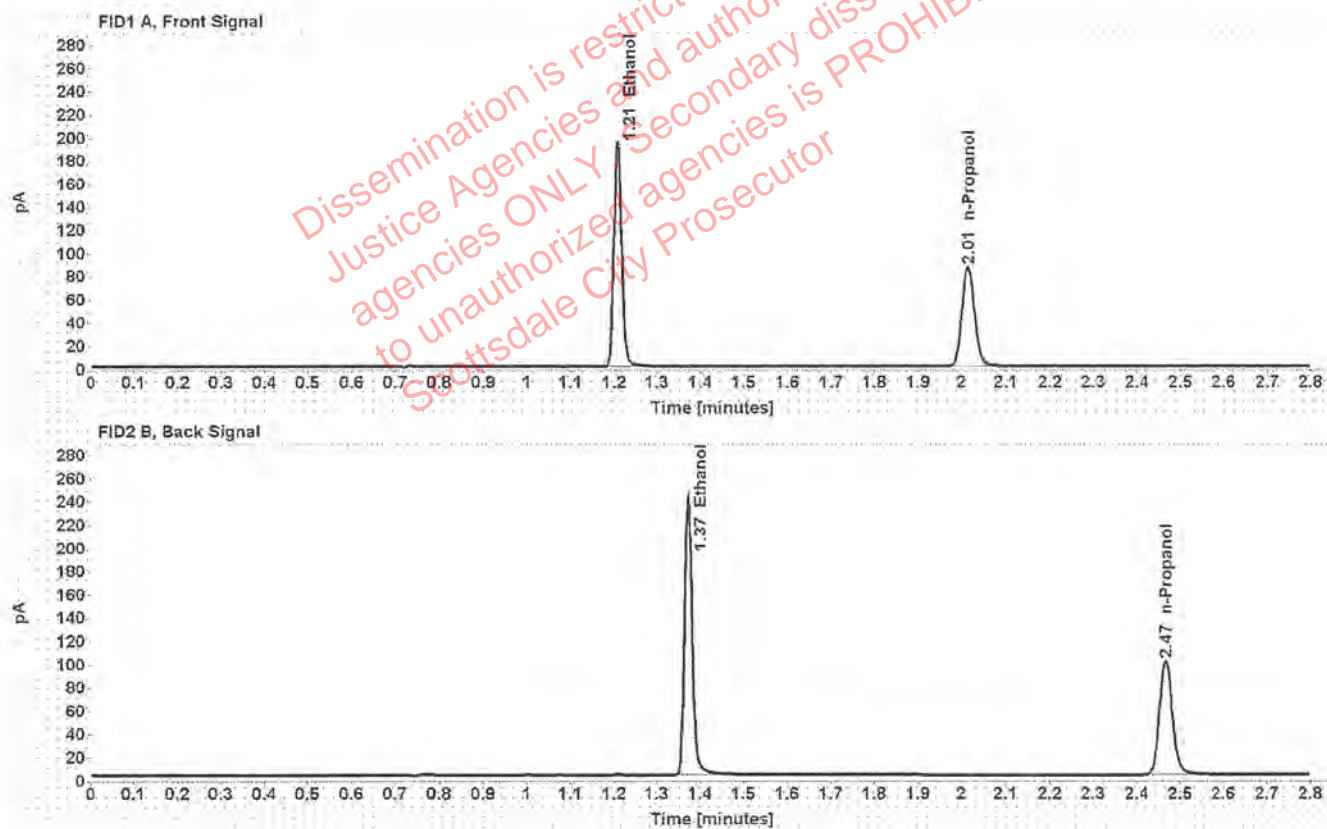


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4028	1.208	248.168
n-Propanol	-----	2.014	171.421

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

Compound	Time (min)	Peak Area
Ethanol	1.373	304.067
n-Propanol	2.467	203.334

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 3:47:32 PM
Data file:	C:\Chem3211\Data\17Mar20\8.D	Analyst:	Brooke <i>WB</i>

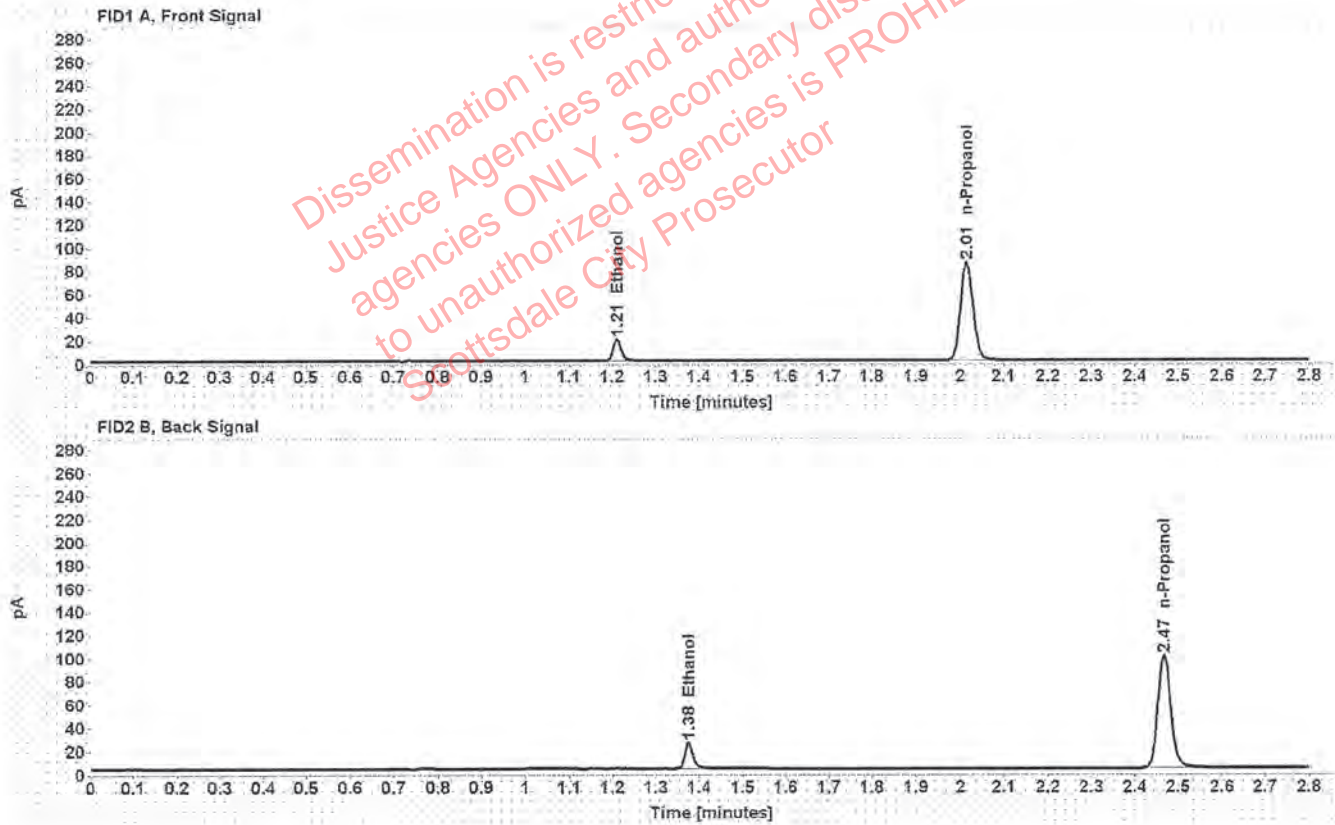


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.211	24.274
n-Propanol	-----	2.015	169.476

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

Compound	Time (min)	Peak Area
Ethanol	1.375	29.093
n-Propanol	2.468	200.314

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 3:51:32 PM
Data file: C:\Chem32\1\Data\17Mar20\9.D	Analyst: Brooke (PA)

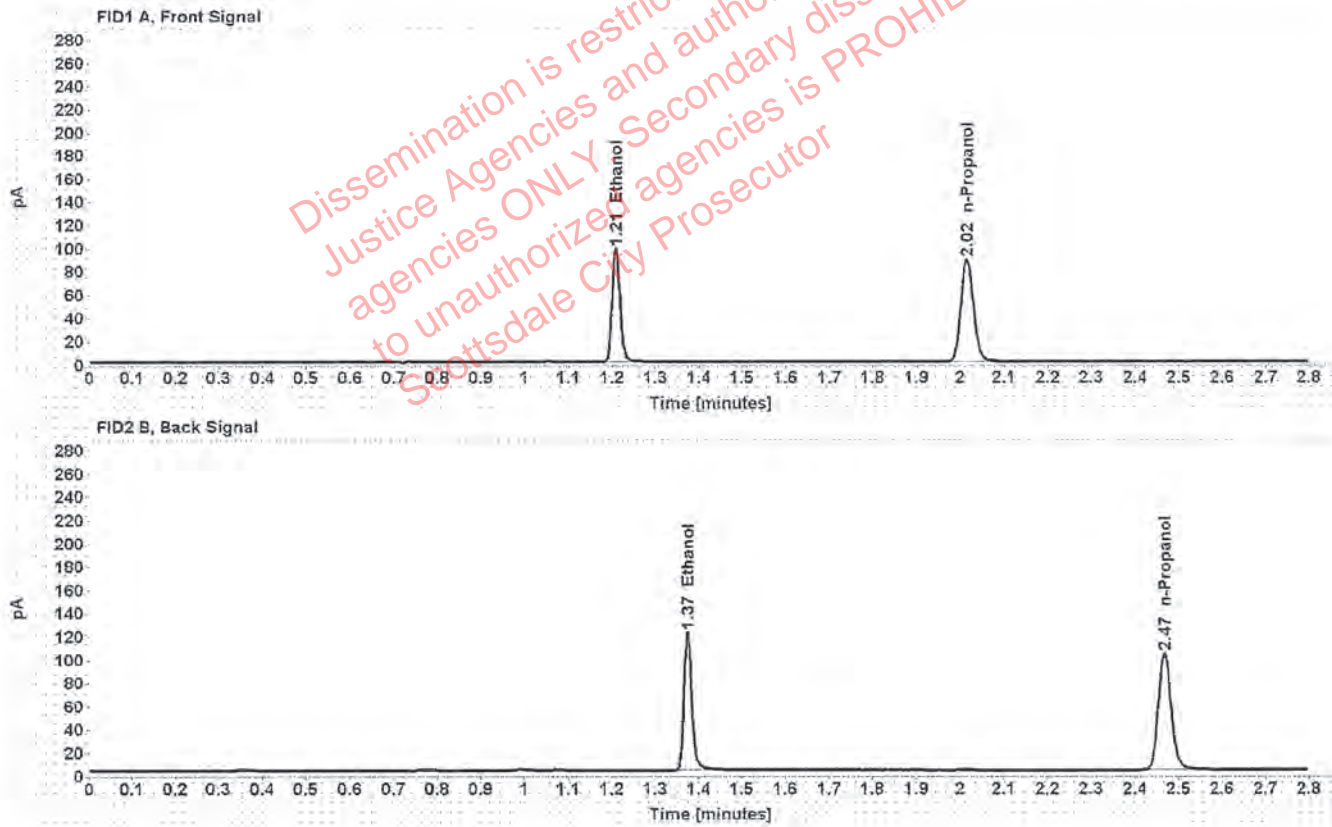


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1992	1.209	125.294
n-Propanol	-----	2.015	175.605

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

Compound	Time (min)	Peak Area
Ethanol	1.374	152.444
n-Propanol	2.468	207.951

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 4:36:02 PM
Data file: C:\Chem32\1\Data\17Mar20\20.D	Analyst: Brooke

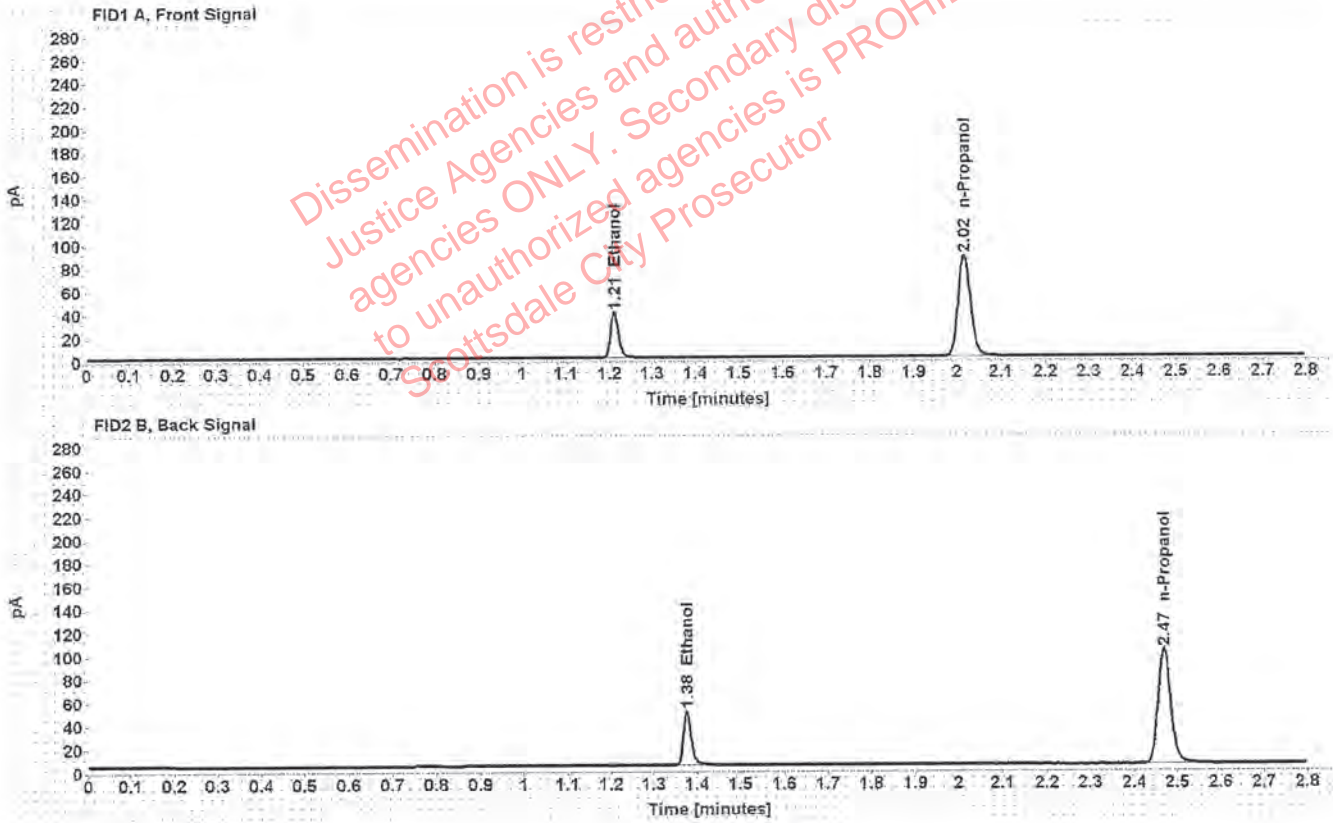


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0818	1.211	50.176
n-Propanol	-----	2.016	173.108

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

Compound	Time (min)	Peak Area
Ethanol	1.377	60.625
n-Propanol	2.470	204.810

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 5:20:32 PM
Data file: C:\Chem32\1\Data\17Mar20\31.D	Analyst: Brooke YBB

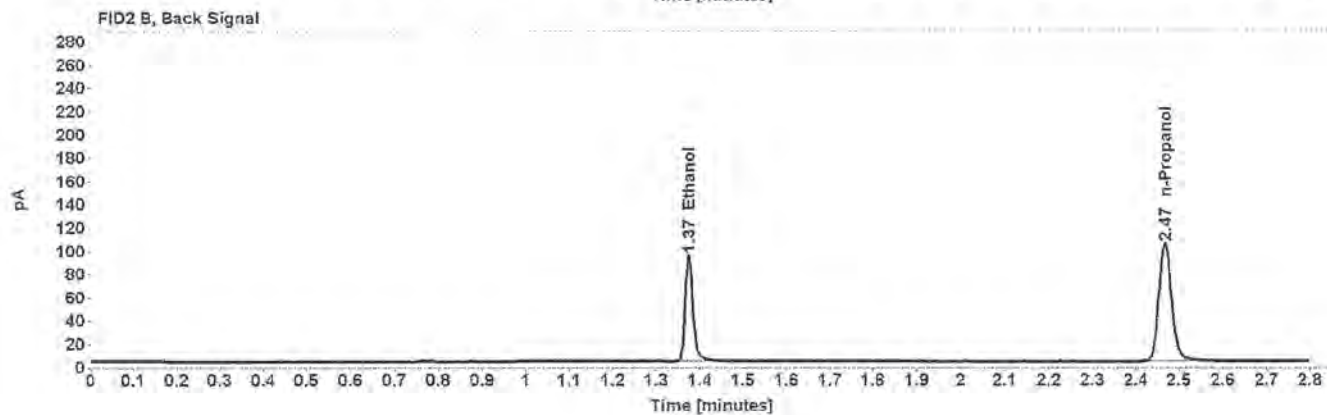
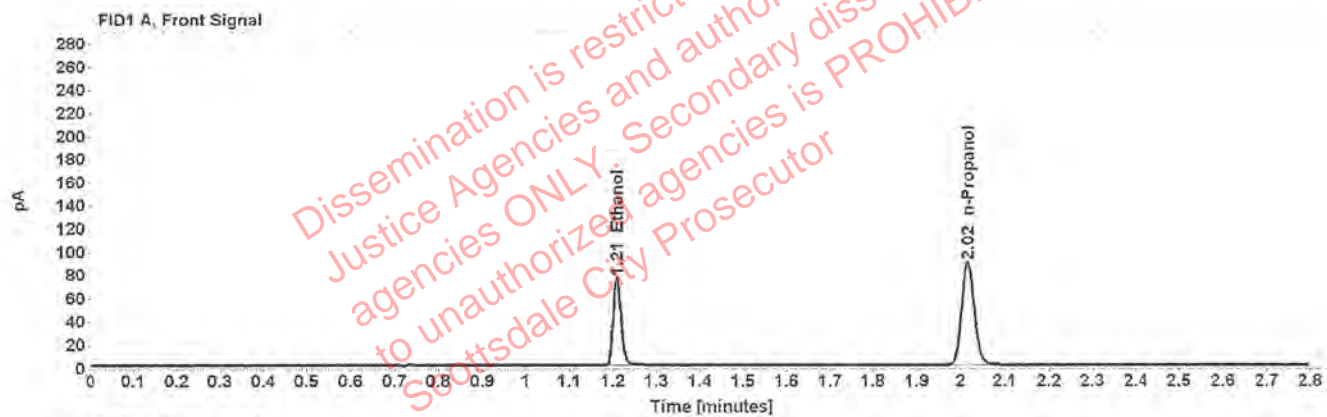


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1529	1.209	96.532
n-Propanol	-----	2.015	176.695

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

Compound	Time (min)	Peak Area
Ethanol	1.374	117.703
n-Propanol	2.468	210.216

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 6:04:47 PM
Data file: C:\Chem32\1\Data\17Mar20\42.D	Analyst: Brooke <i>BR</i>

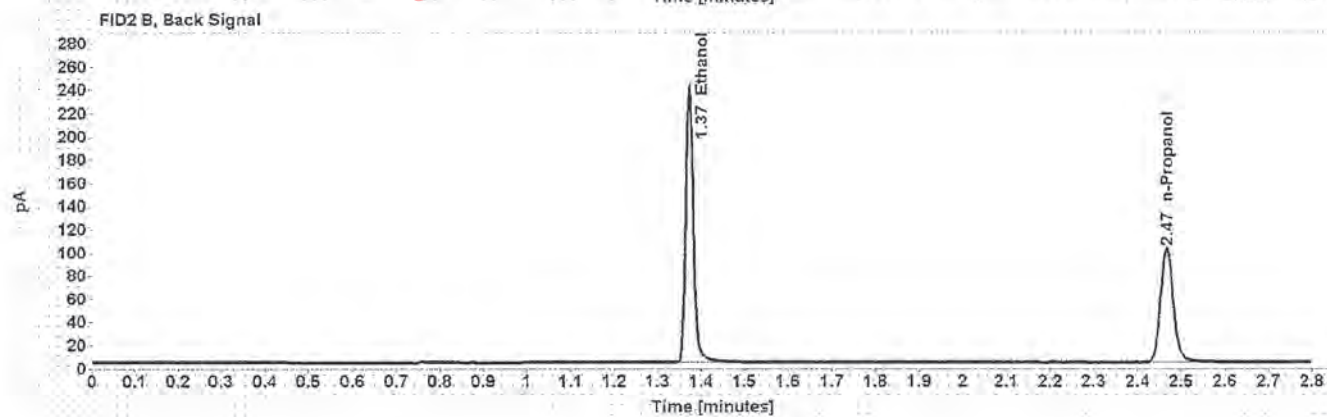
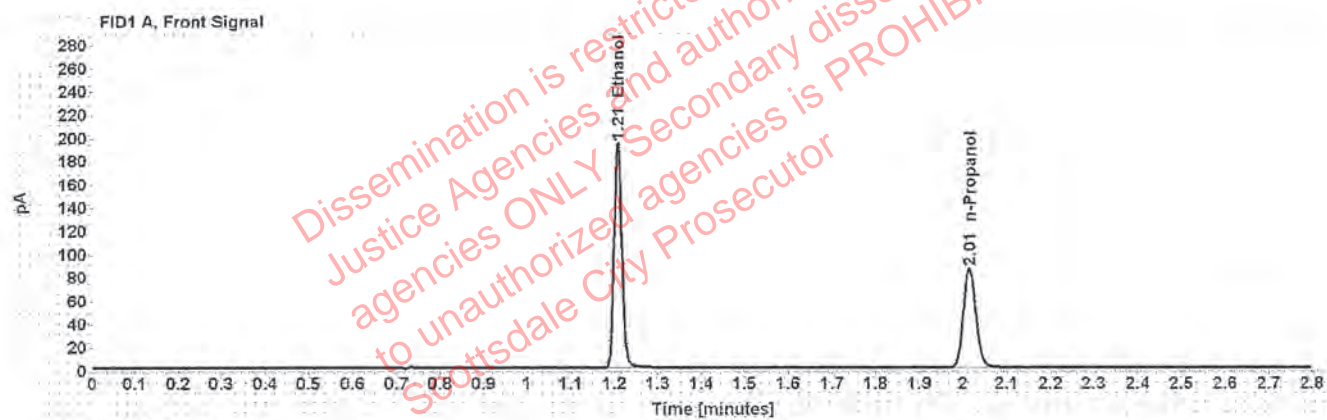


Table 1: FID 1 A (column DB-ALC1)

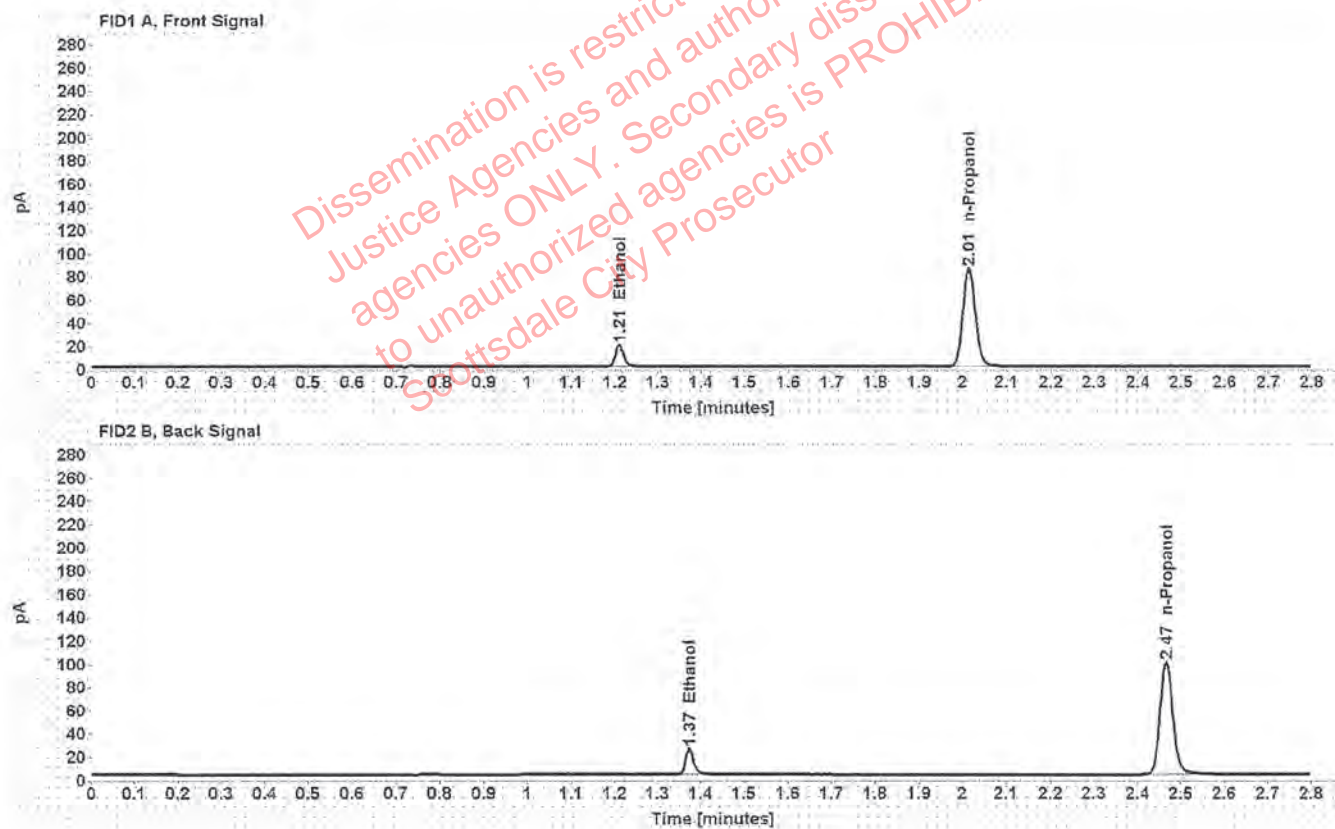
Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4014	1.208	246.641
n-Propanol	-----	2.014	170.963

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

Compound	Time (min)	Peak Area
Ethanol	1.373	303.288
n-Propanol	2.467	204.310

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 6:09:02 PM
Data file: C:\Chem32\1\Data\17Mar20\43.D	Analyst: Brooke <i>BB</i>



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

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.210	24.240
n-Propanol	-----	2.014	169.828

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

Compound	Time (min)	Peak Area
Ethanol	1.374	29.180
n-Propanol	2.467	201.534

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 6:13:02 PM
Data file: C:\Chem32\1\Data\17Mar20\44.D	Analyst: Brooke RB

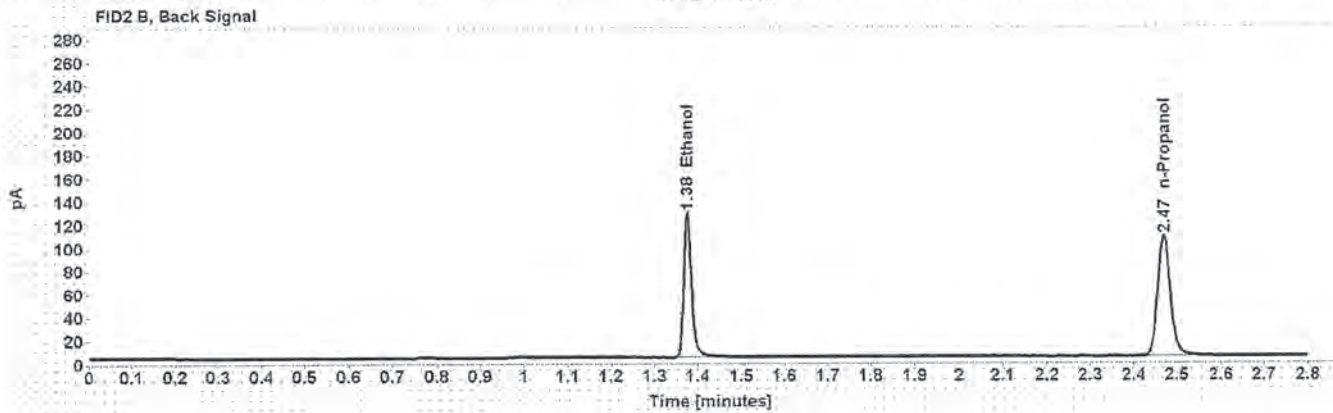
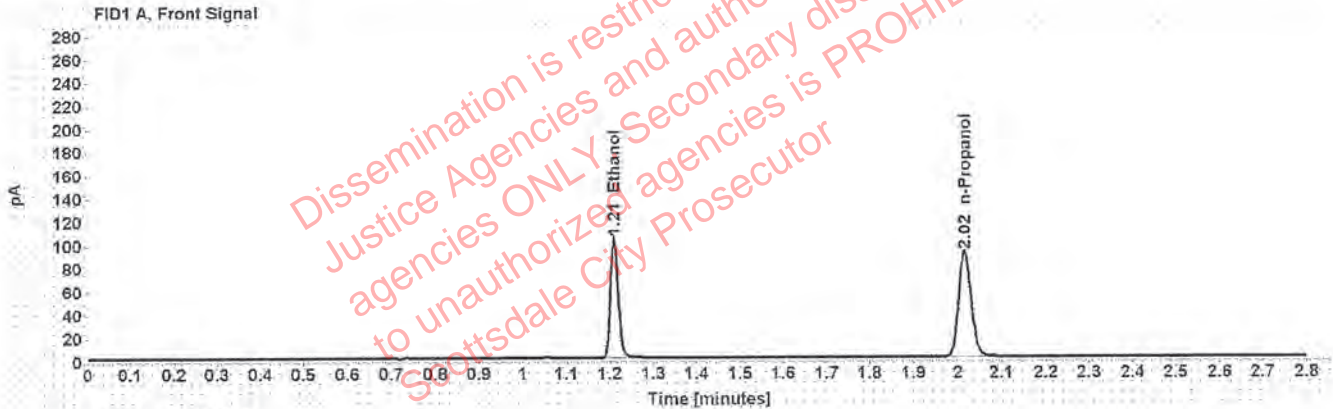


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2025	1.210	131.385
n-Propanol	-----	2.016	181.144

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

Compound	Time (min)	Peak Area
Ethanol	1.376	160.743
n-Propanol	2.469	215.952



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Mar20
Instrument: US14173023 CN14160045	Injection date: 3/17/2020 6:17:02 PM
Data file: C:\Chem32\1\Data\17Mar20\45.D	Analyst: Brooke <i>RG</i>

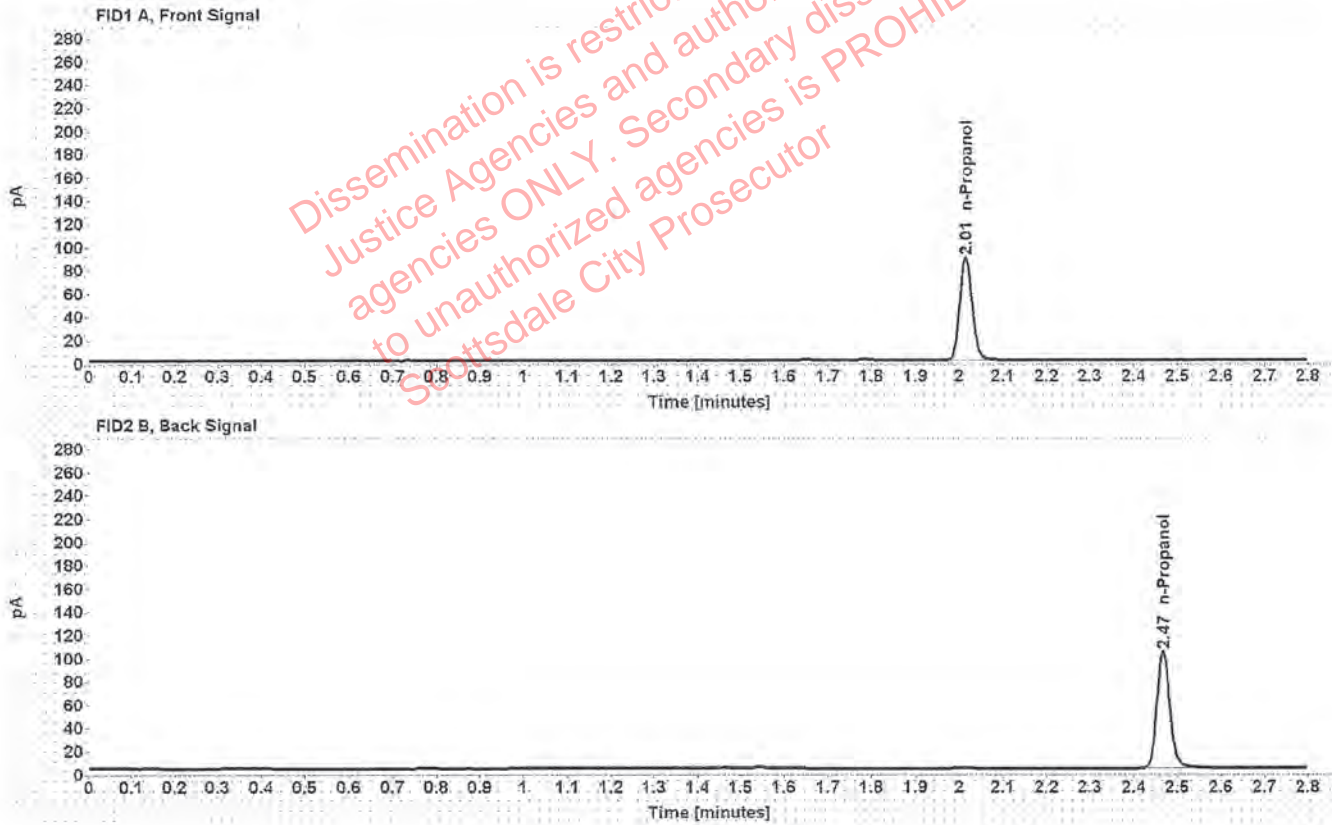


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	176.229

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	209.831

# Sequence Summary

Sequence name: 17Mar20      Instrument: US14173023 CN14160045      Analyst: Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	121219	Negative	Control		ethanol quant.M
6	070819	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1268976		Sample		ethanol quant.M
11	1268976		Sample		ethanol quant.M
12	1313034		Sample		ethanol quant.M
13	1313034		Sample		ethanol quant.M
14	1309597		Sample		ethanol quant.M
15	1309597		Sample		ethanol quant.M
16	1310392		Sample		ethanol quant.M
17	1310392		Sample		ethanol quant.M
18	1309446		Sample		ethanol quant.M
19	1309446		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1300346		Sample		ethanol quant.M
22	1300346		Sample		ethanol quant.M
23	1310901		Sample		ethanol quant.M
24	1310901		Sample		ethanol quant.M
25	1310725		Sample		ethanol quant.M
26	1310725		Sample		ethanol quant.M
27	1311262		Sample		ethanol quant.M
28	1311262		Sample		ethanol quant.M
29	1310989		Sample		ethanol quant.M
30	1310989		Sample		ethanol quant.M
31	14082019-C	0.150	Control		ethanol quant.M
32	1311121		Sample		ethanol quant.M
33	1311121		Sample		ethanol quant.M
34	1311361		Sample		ethanol quant.M
35	1311361		Sample		ethanol quant.M
36	1311378		Sample		ethanol quant.M
37	1311378		Sample		ethanol quant.M
38	28501RH		Sample		ethanol quant.M
39	28501RH		Sample		ethanol quant.M
40	1313040		Sample		ethanol quant.M
41	1313040		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 17Mar20

ANALYST: Brooke 18

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1944	0.1934	0.19390	0.26	0.00050
12 13	0.0637	0.0636	0.06365	0.08	0.00005
14 15	0.0937	0.0936	0.09365	0.05	0.00005
16 17	0.1303	0.1295	0.12990	0.31	0.00040
18 19	0.2087	0.2085	0.20860	0.05	0.00010
21 22	0.1964	0.1971	0.19675	0.18	0.00035
23 24	0.0000	0.0000	0.00000	0.00	0.00000
25 26	0.1155	0.1141	0.11480	0.61	0.00070
27 28	0.1695	0.1695	0.16950	0.00	0.00000
29 30	0.1214	0.1215	0.12145	0.04	0.00005
32 33	0.2283	0.2298	0.22905	0.33	0.00075
34 35	0.1500	0.1494	0.14970	0.20	0.00030
36 37	0.2222	0.2219	0.22205	0.07	0.00015
38 39	0.3175	0.3174	0.31745	0.02	0.00005
40 41	0.2193	0.2198	0.21955	0.11	0.00025

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1268976	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 3:55:32 PM
Data file:	C:\Chem32\1\Data\17Mar20\10.D	Analyst:	Brooke

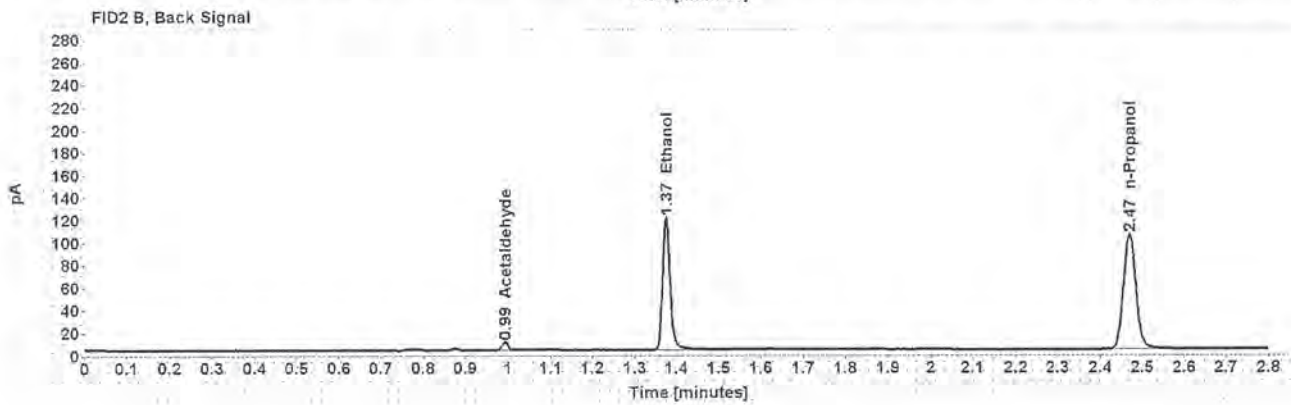
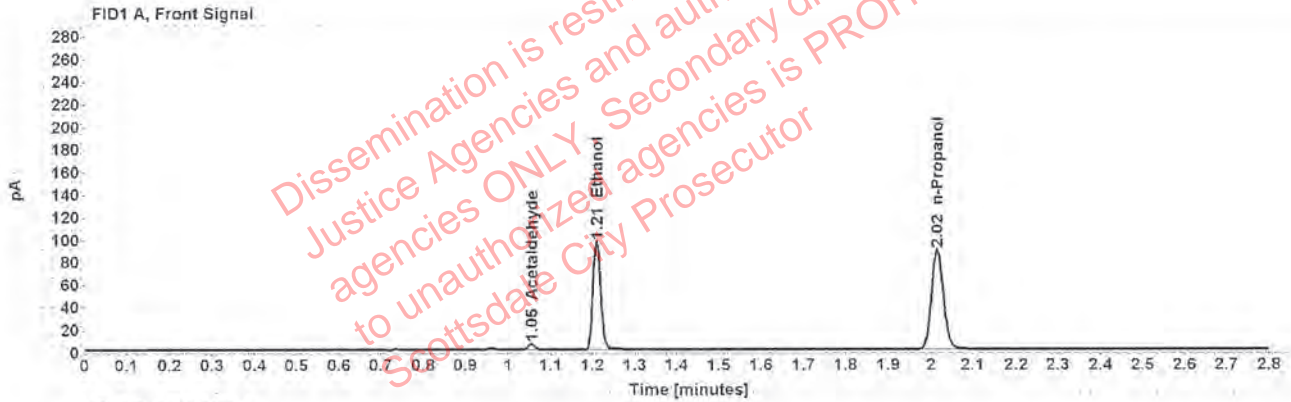


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	5.238
>Ethanol	0.1944	1.209	123.073
n-Propanol	-----	2.015	176.847

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.821
Ethanol	1.375	151.139
n-Propanol	2.468	210.141

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1268976	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 3:59:32 PM
Data file:	C:\Chem32\1\Data\17Mar20\11.D	Analyst:	Brooke

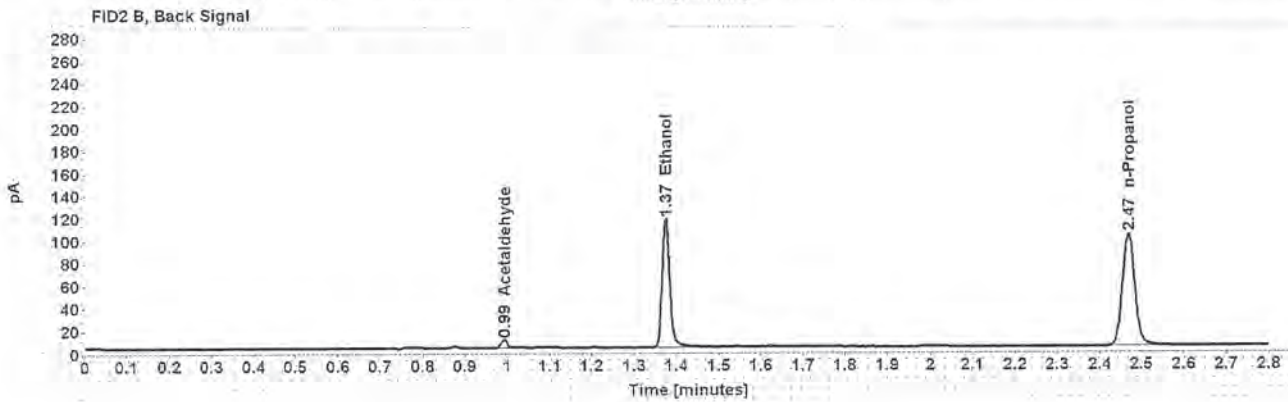
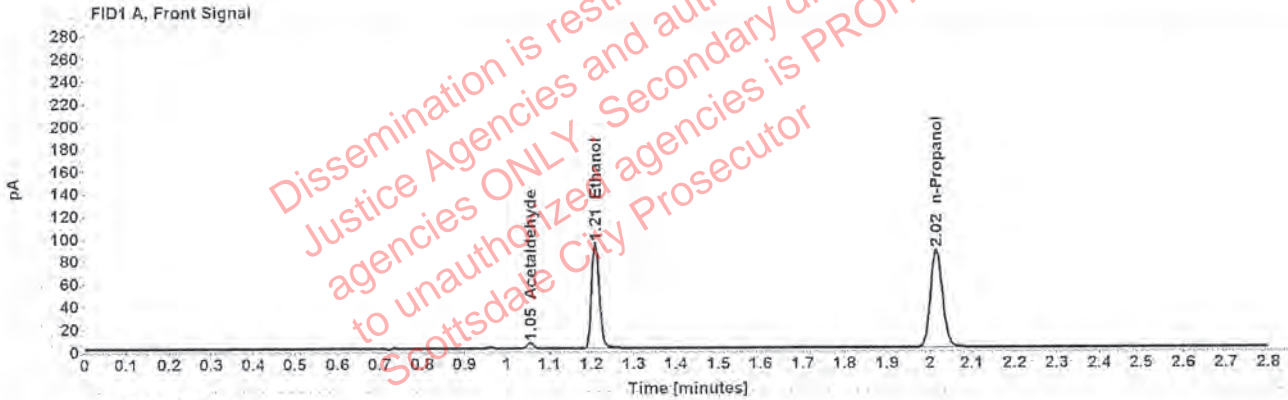


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	5.127
>Ethanol	0.1934	1.209	119.637
n-Propanol	-----	2.015	172.792

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.700
Ethanol	1.374	146.655
n-Propanol	2.468	205.677

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313034	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:03:32 PM
Data file:	C:\Chem32\1\Data\17Mar20\12.D	Analyst:	Brooke

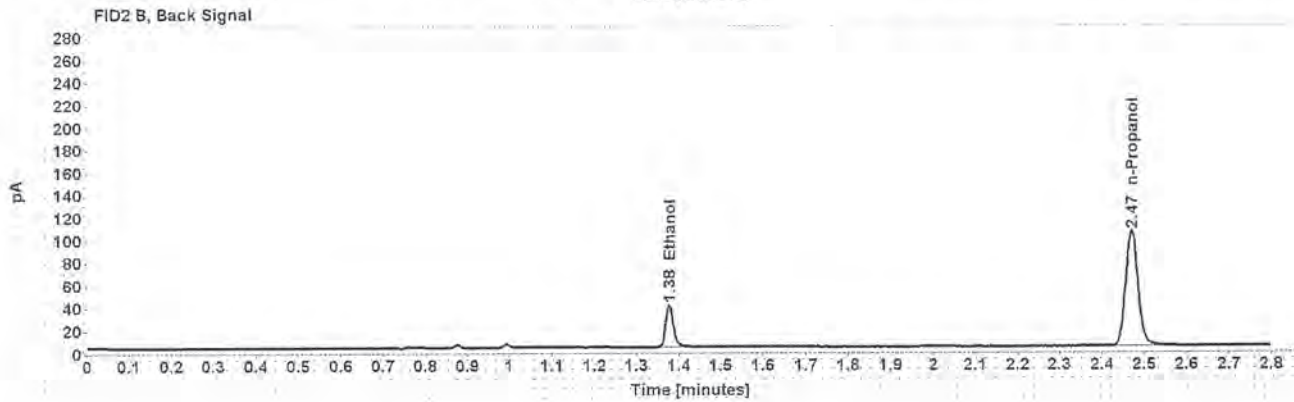
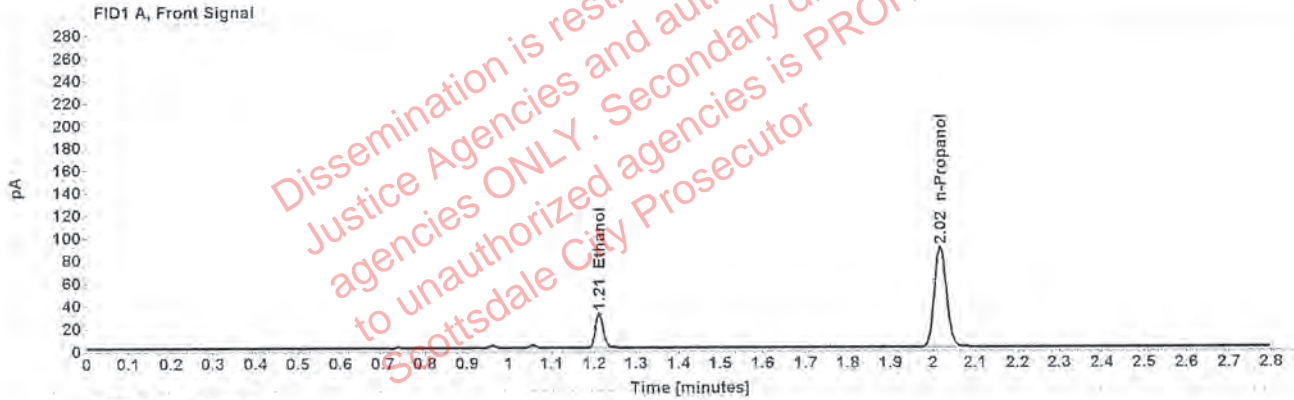


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0637	1.211	39.869
n-Propanol	-----	2.016	177.690

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

Compound	Time (min)	Peak Area
Ethanol	1.377	48.214
n-Propanol	2.470	210.384

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313034	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:07:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\13.D	Analyst:	Brooke

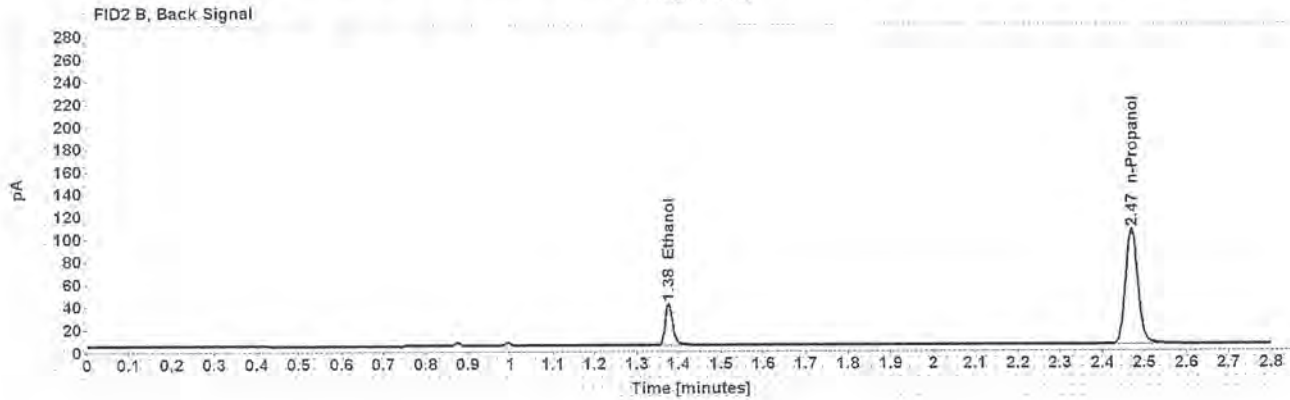
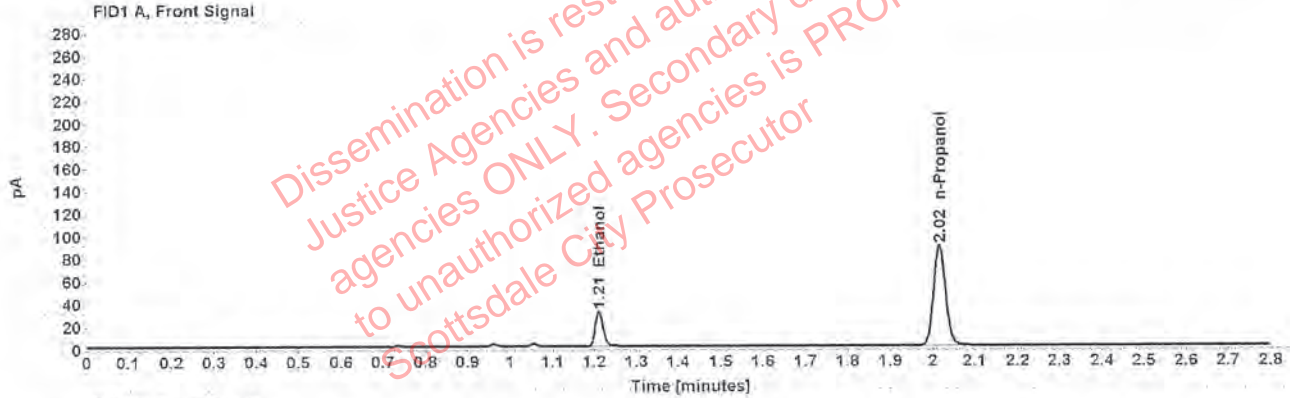


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0636	1.211	39.697
n-Propanol	-----	2.016	177.112

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

Compound	Time (min)	Peak Area
Ethanol	1.376	47.473
n-Propanol	2.469	209.915



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309597	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:11:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\14.D	Analyst:	Brooke

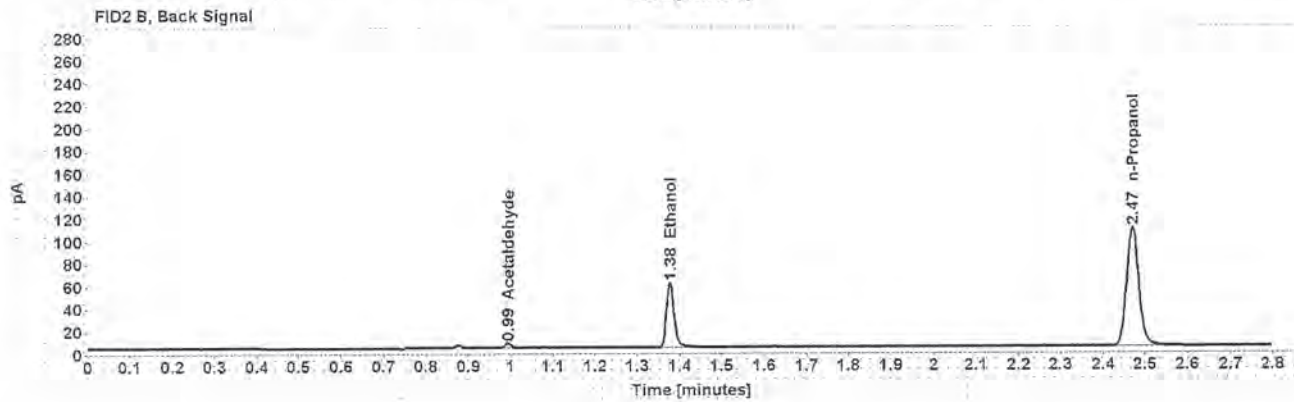
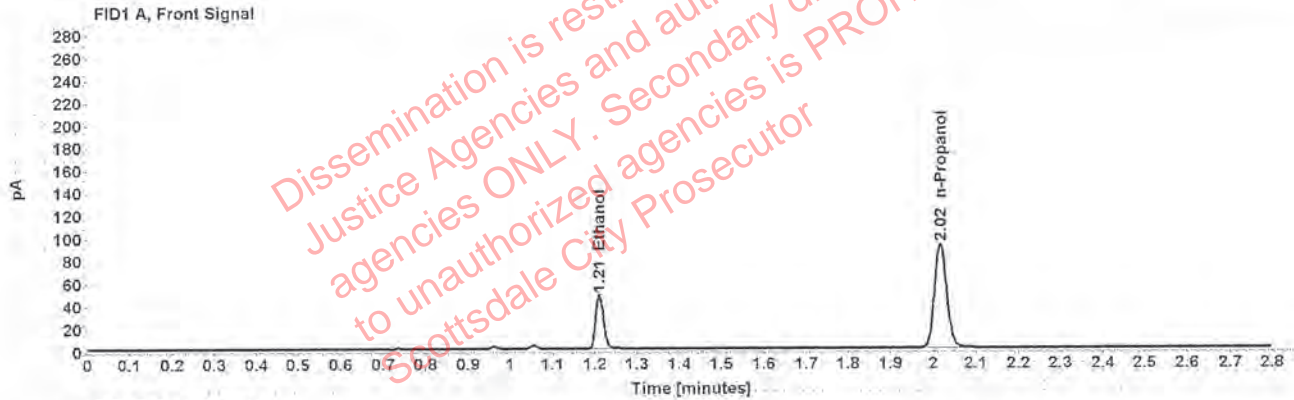


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0937	1.211	61.120
n-Propanol	-----	2.016	183.771

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.910
Ethanol	1.377	73.590
n-Propanol	2.470	218.071

Case: [REDACTED] User: pbrooke 3/19/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309597	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:15:46 PM
Data file:	C:\Chem32\1\Data\17Mar20\15.D	Analyst:	Brooke

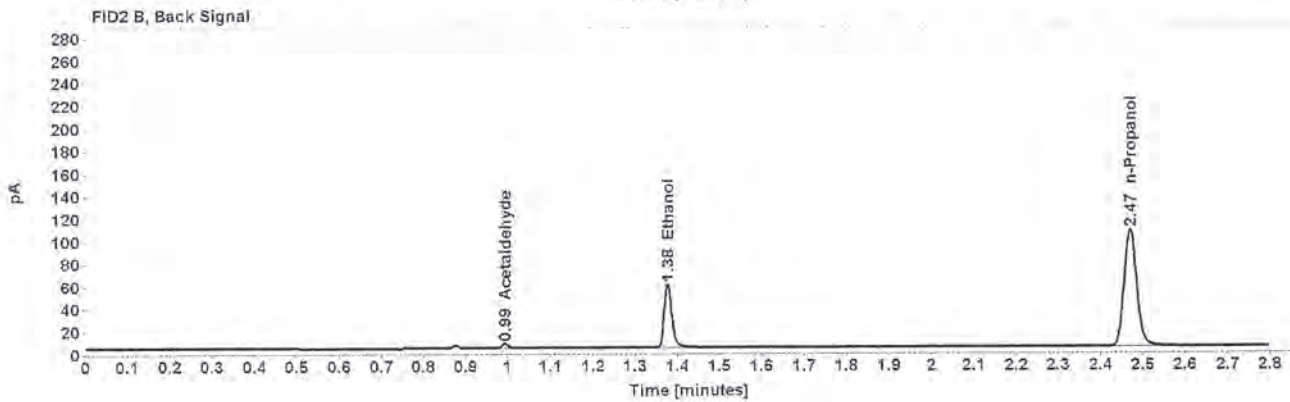
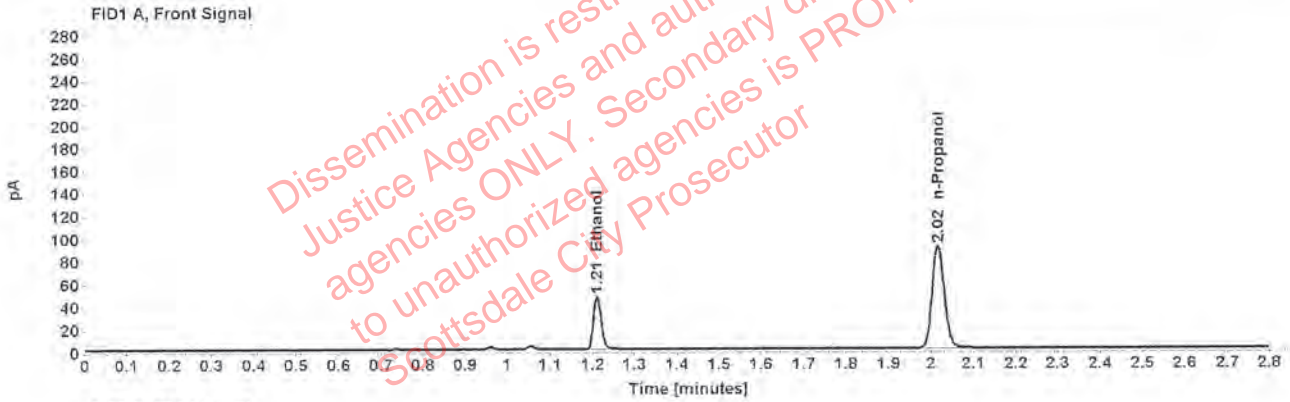


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0936	1.211	60.349
n-Propanol	-----	2.016	181.608

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.923
Ethanol	1.377	72.599
n-Propanol	2.470	215.557

Case: [REDACTED] User: pbrooke 3/19/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310392	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:19:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\16.D	Analyst:	Brooke

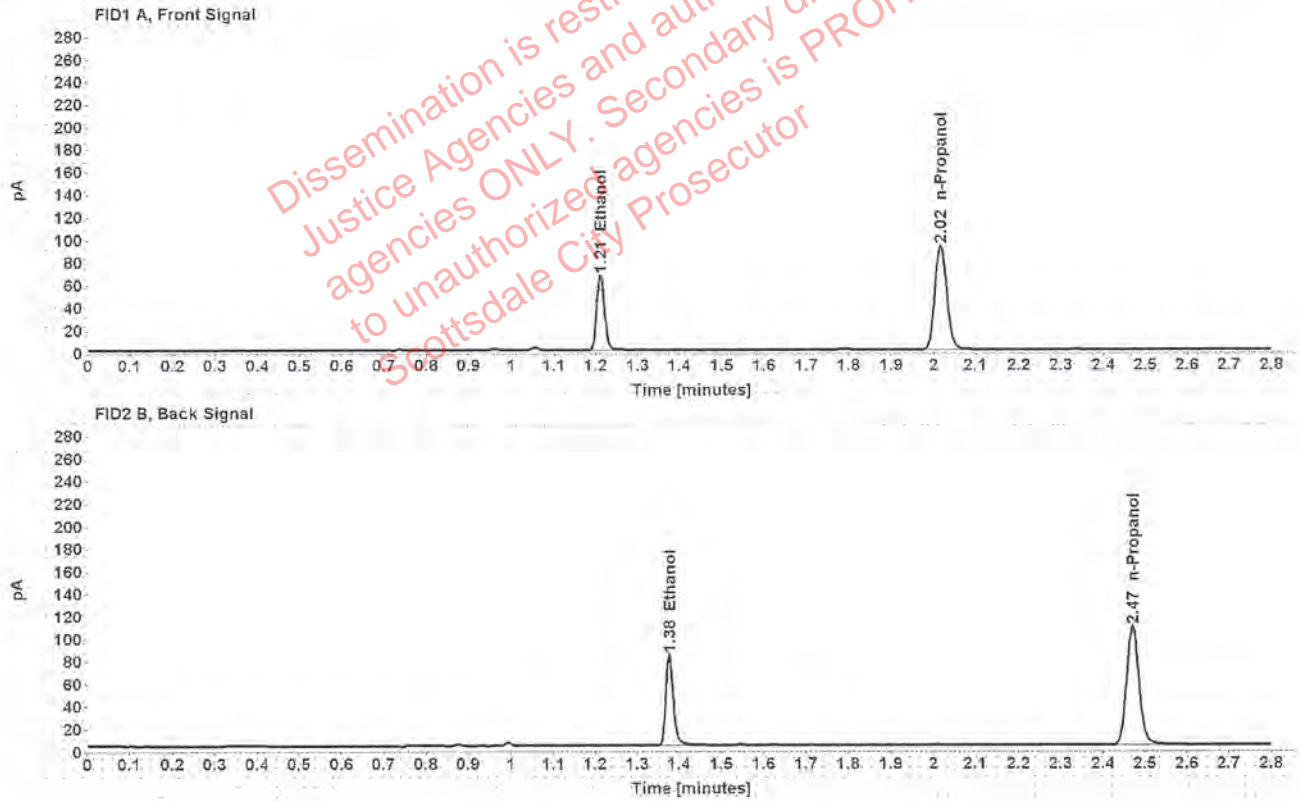


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1303	1.211	85.264
n-Propanol	---	2.016	183.509

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

Compound	Time (min)	Peak Area
Ethanol	1.377	103.221
n-Propanol	2.470	218.142

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310392	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:23:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\17.D	Analyst:	Brooke

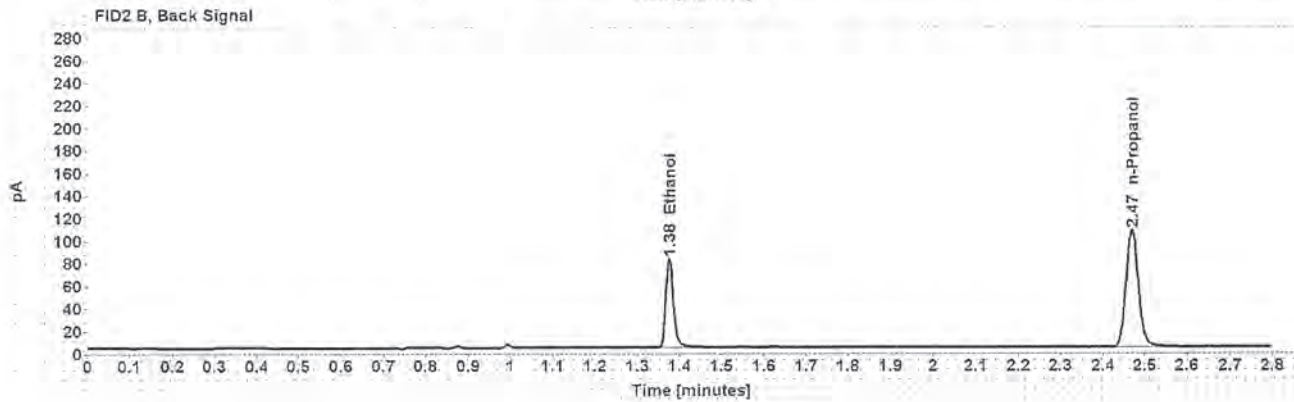
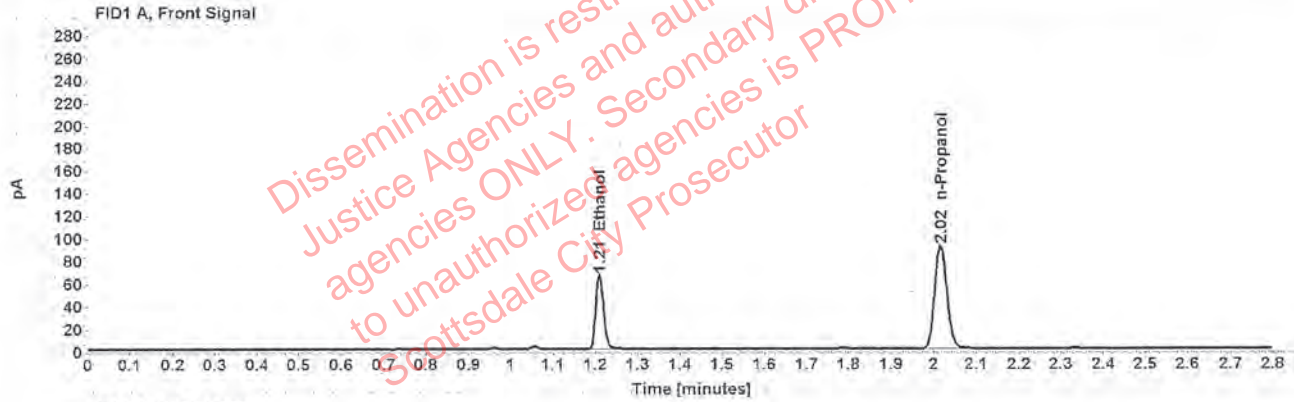


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1295	1.210	83.699
n-Propanol	-----	2.016	181.206

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

Compound	Time (min)	Peak Area
Ethanol	1.376	103.078
n-Propanol	2.469	215.411

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309446	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:27:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\18.D	Analyst:	Brooke

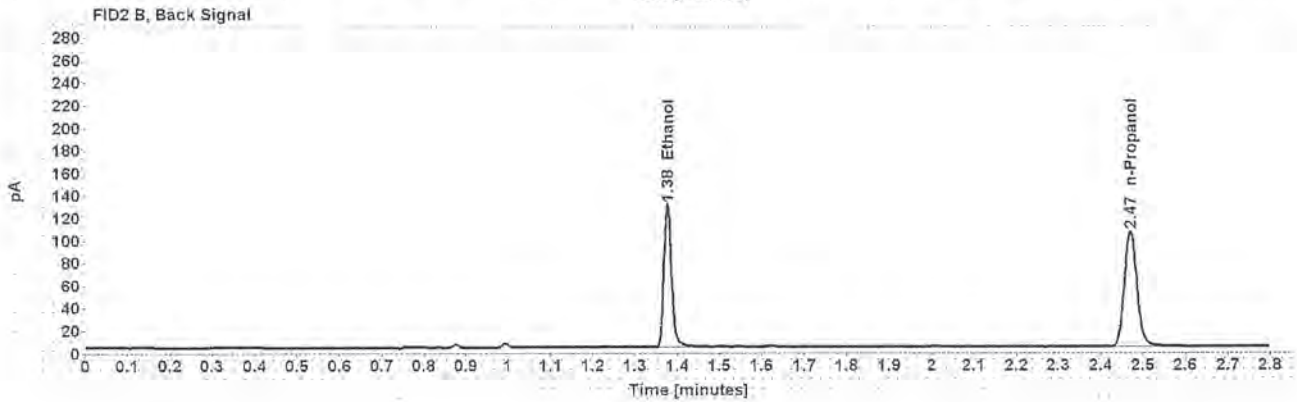
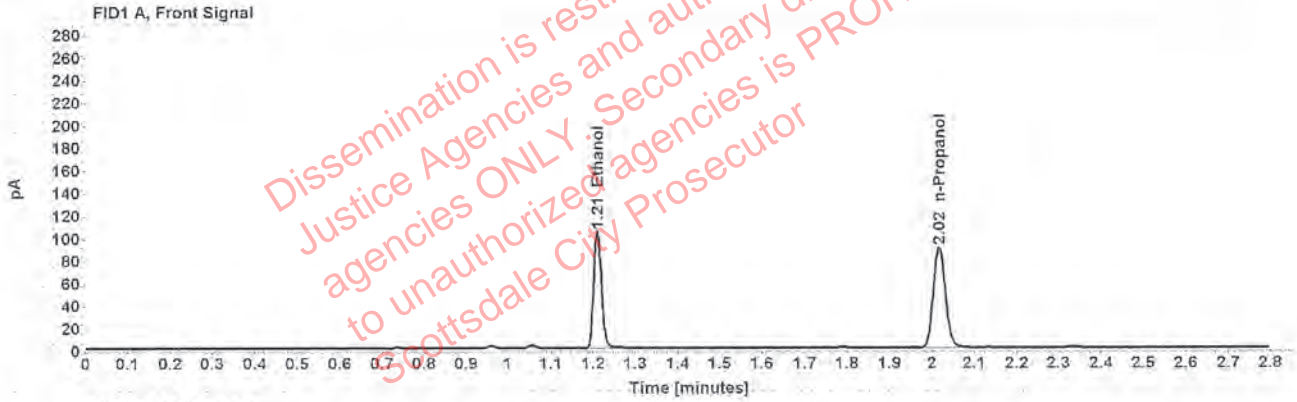


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2087	1.210	133.235
n-Propanol	-----	2.016	178.173

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

Compound	Time (min)	Peak Area
Ethanol	1.376	163.834
n-Propanol	2.470	211.605

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309446	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:32:02 PM
Data file:	C:\Chem32\1\Data\17Mar20\19.D	Analyst:	Brooke

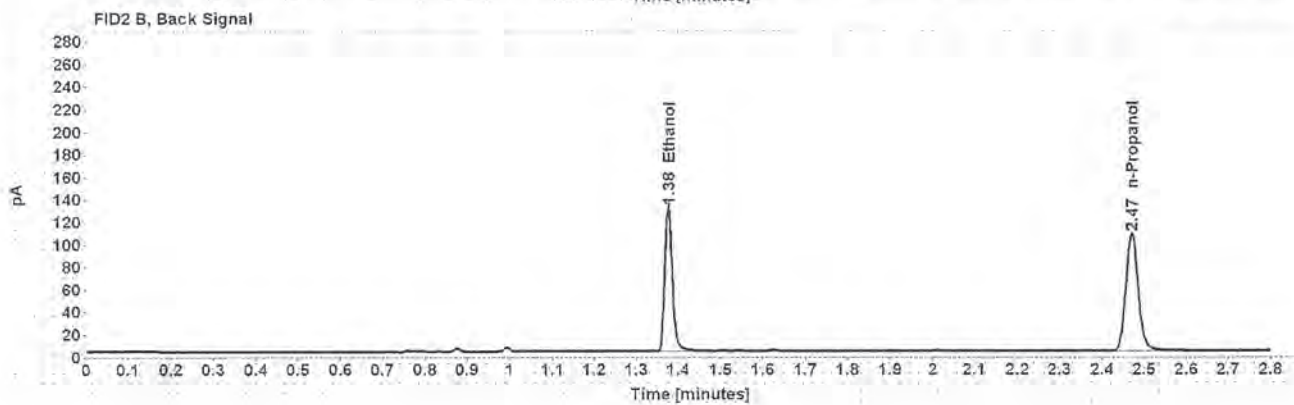
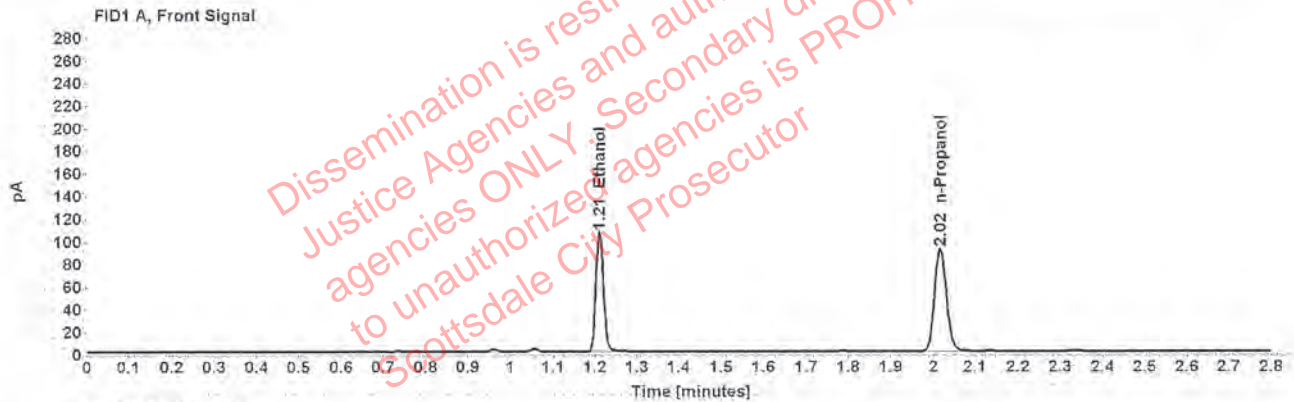


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2085	1.210	135.248
n-Propanol	—	2.016	181.101

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.111
n-Propanol	2.470	215.091

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300346	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:40:02 PM
Data file:	C:\Chem3211\Data\17Mar20\21.D	Analyst:	Brooke

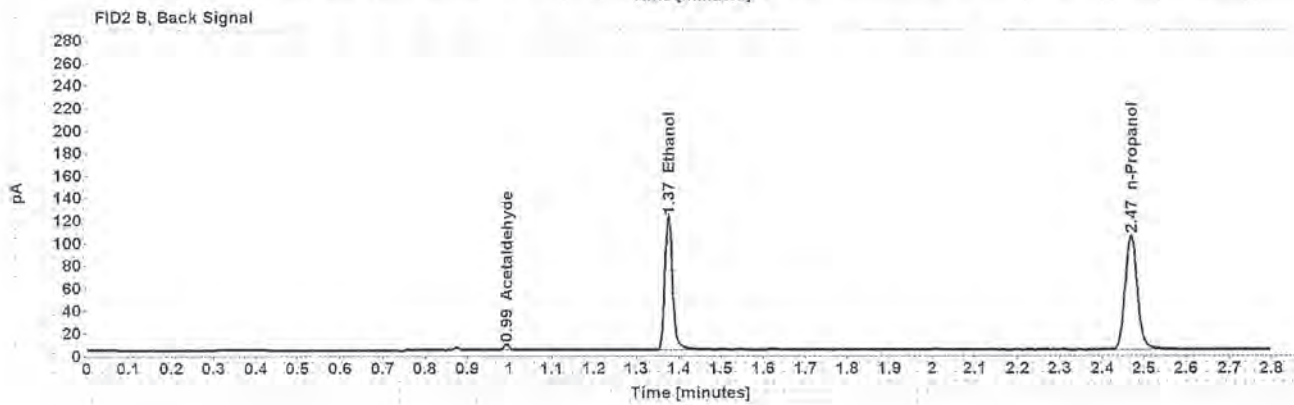
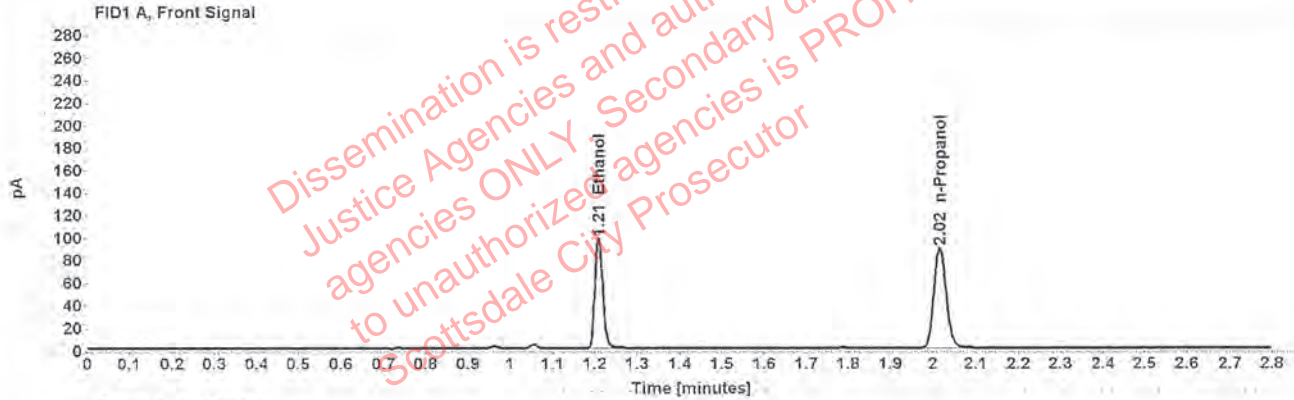


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1964	1.209	124.450
n-Propanol	-----	2.015	177.007

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.677
Ethanol	1.375	153.237
n-Propanol	2.468	211.010

Case: [REDACTED] User: pbrooke 3/19/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300346	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:44:02 PM
Data file:	C:\Chem3211\Data\17Mar20\22.D	Analyst:	Brooke

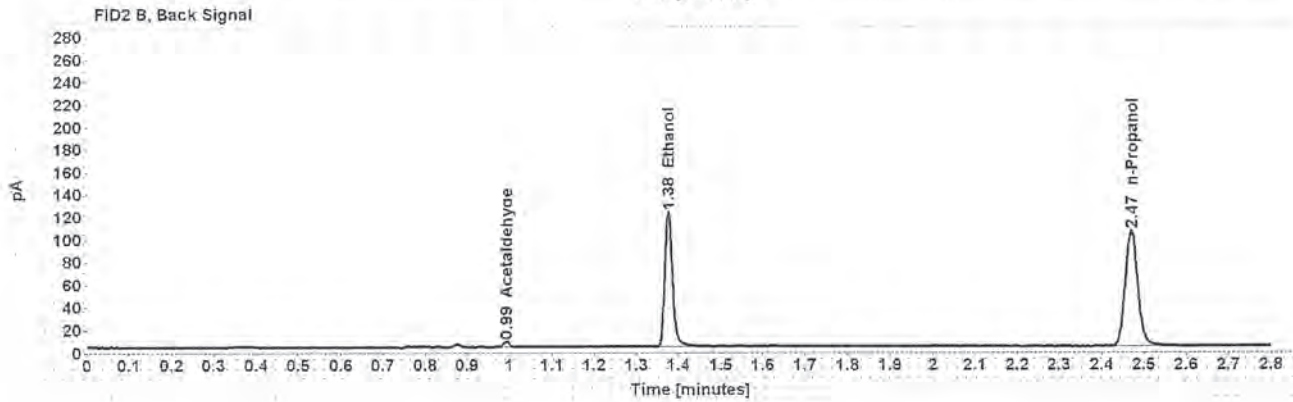
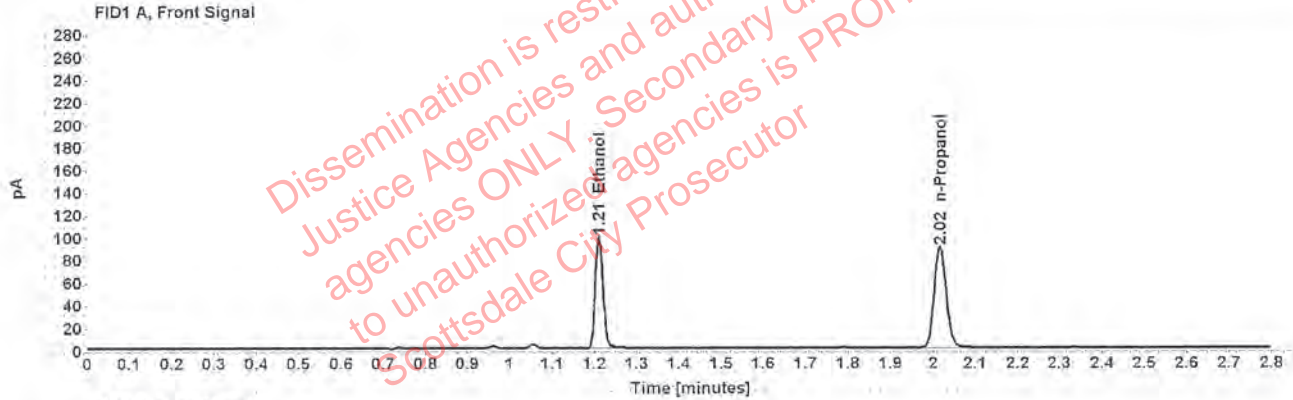


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1971	1.210	125.554
n-Propanol	-----	2.016	177.874

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.578
Ethanol	1.376	154.734
n-Propanol	2.469	211.694



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310901	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:48:02 PM
Data file:	C:\Chem32\1\Data\17Mar20\23.D	Analyst:	Brooke

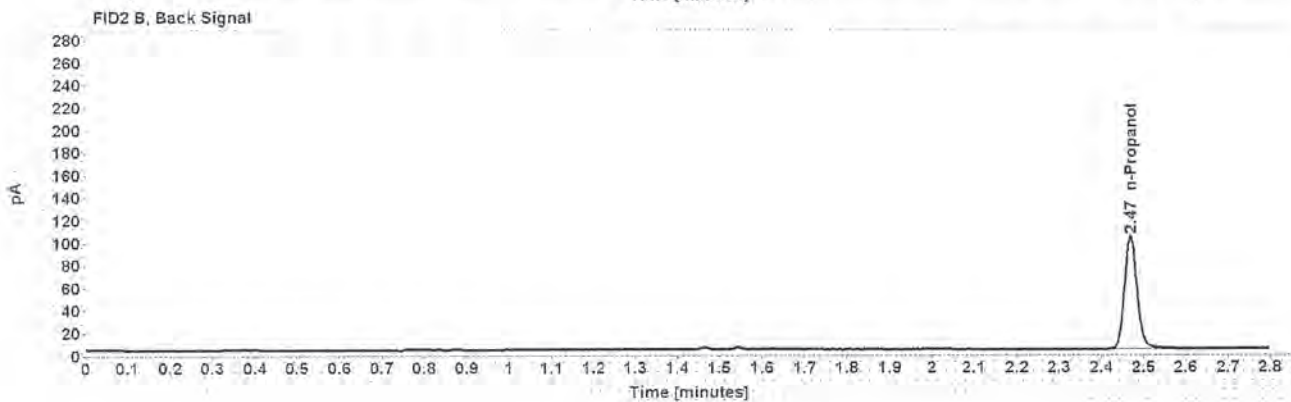


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	174.781

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	207.874

Case: [REDACTED] User: pbrooke 3/19/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310901	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:52:02 PM
Data file:	C:\Chem32\1\Data\17Mar20\24.D	Analyst:	Brooke

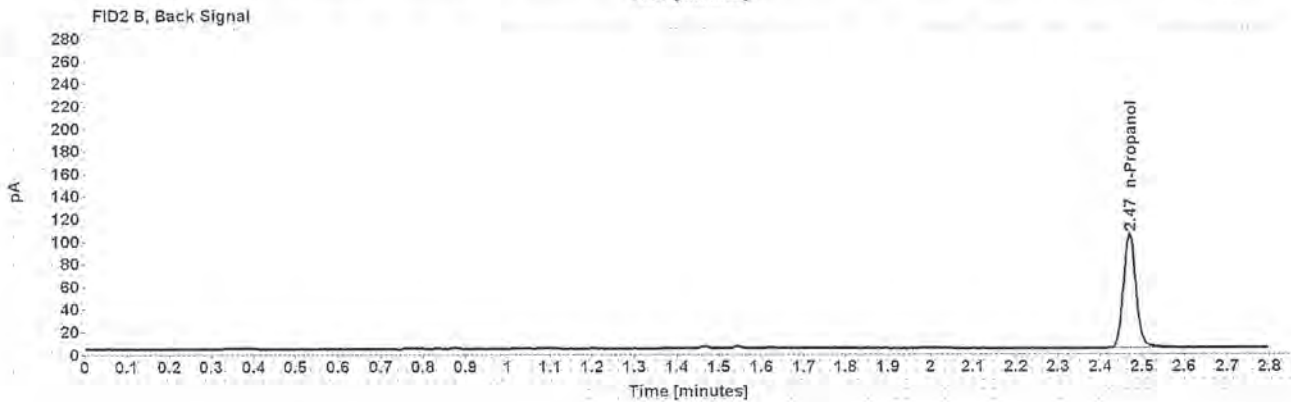
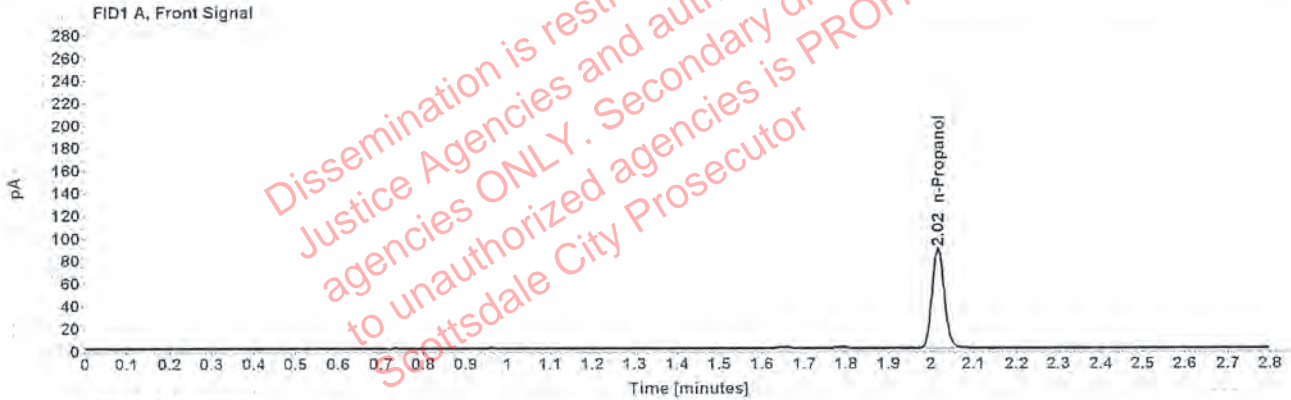


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	176.392

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	210.047

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310725	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 4:56:17 PM
Data file:	C:\Chem32\1\Data\17Mar20\25.D	Analyst:	Brooke

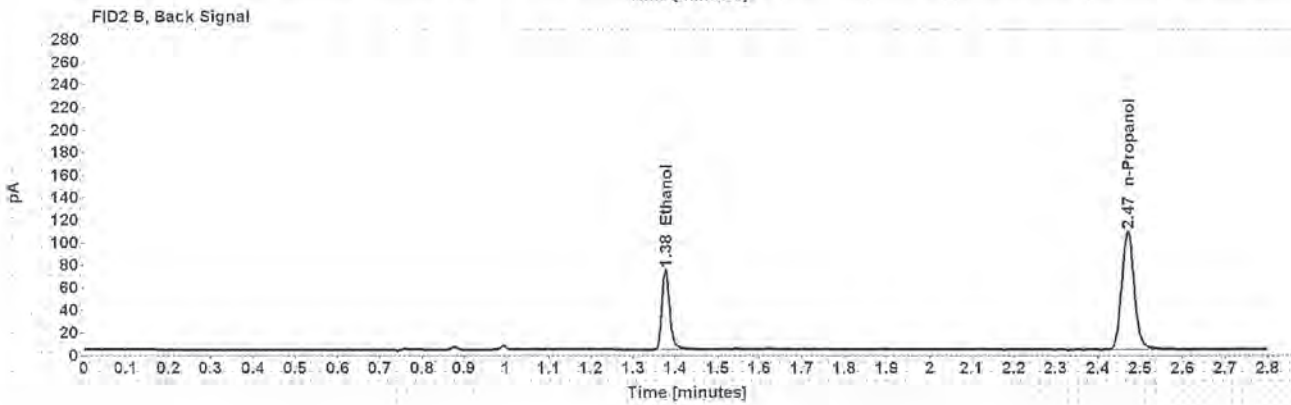
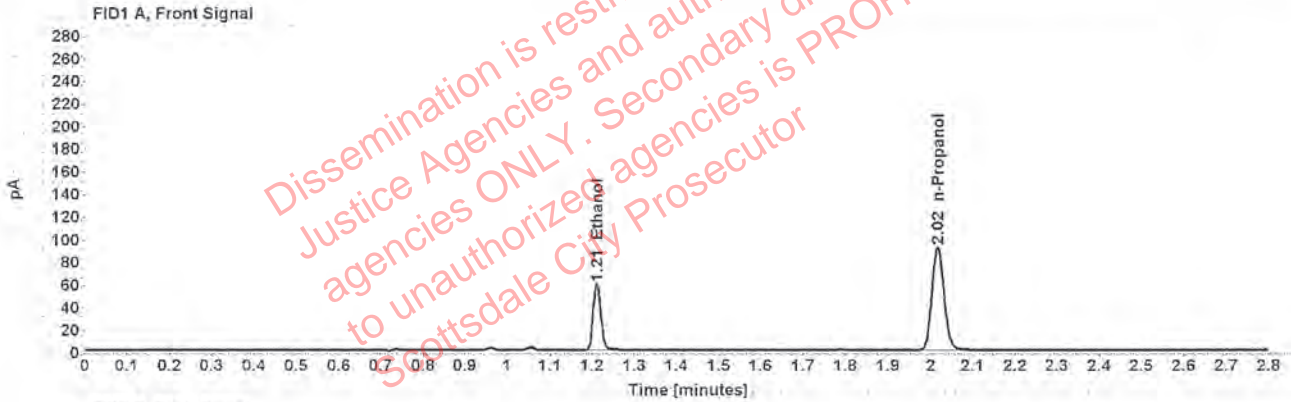


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1155	1.211	75.259
n-Propanol	-----	2.016	182.930

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

Compound	Time (min)	Peak Area
Ethanol	1.377	90.935
n-Propanol	2.470	218.301

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310725	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:00:17 PM
Data file:	C:\Chem32\1\Data\17Mar20\26.D	Analyst:	Brooke

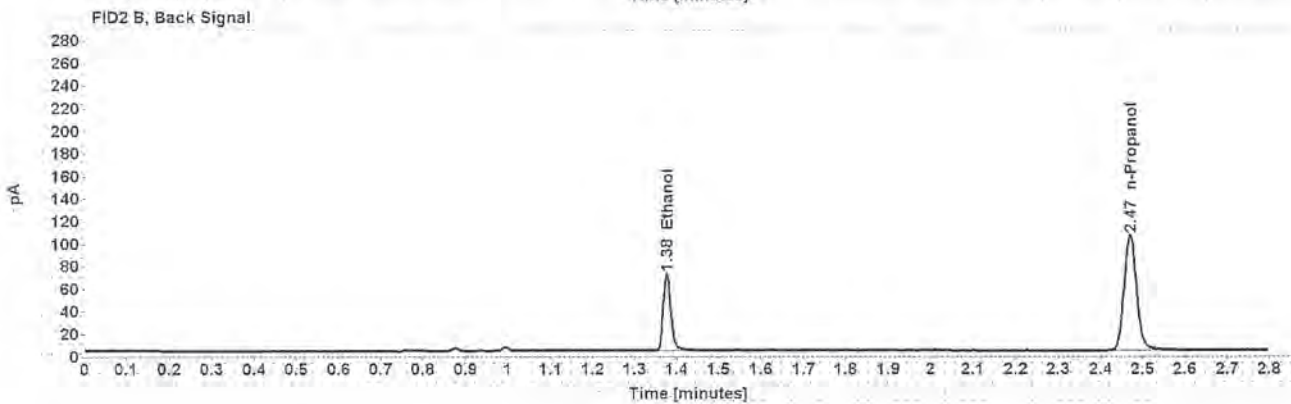
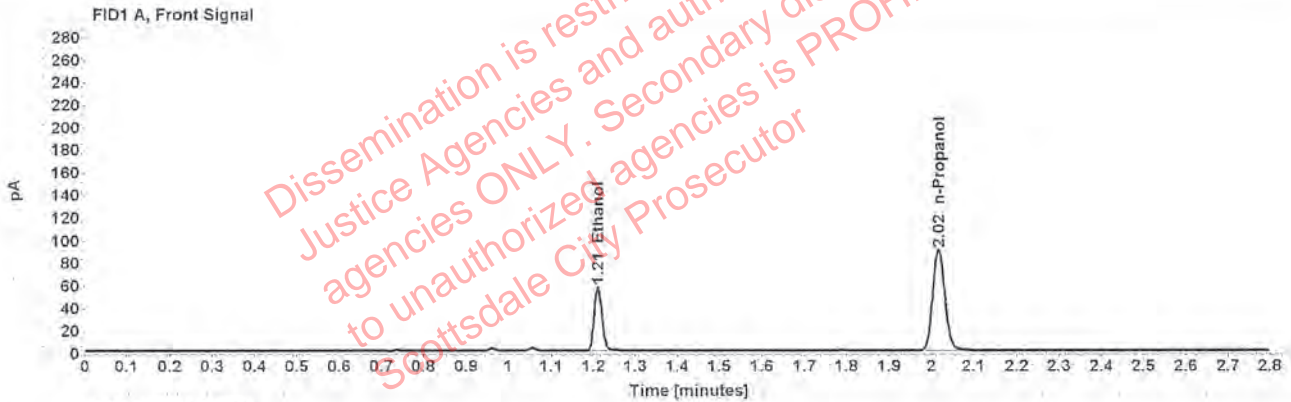


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1141	1.211	72.542
n-Propanol	-----	2.016	178.565

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

Compound	Time (min)	Peak Area
Ethanol	1.376	87.651
n-Propanol	2.470	212.892

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311262	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:04:17 PM
Data file:	C:\Chem32\1\Data\17Mar20\27.D	Analyst:	Brooke

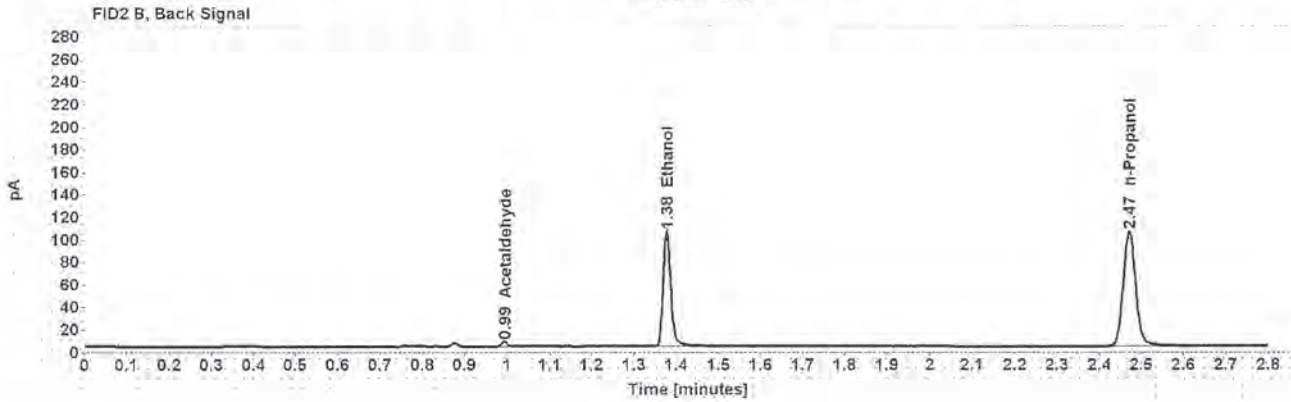
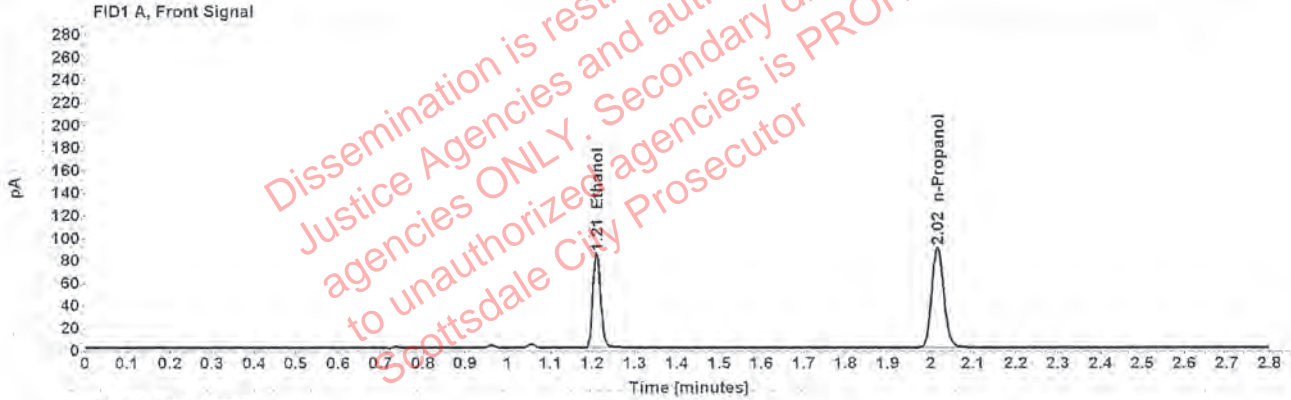


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1695	1.210	108.021
n-Propanol	-----	2.016	178.195

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.166
Ethanol	1.376	133.024
n-Propanol	2.470	212.656

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311262	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:08:17 PM
Data file:	C:\Chem32\1\Data\17Mar20\28.D	Analyst:	Brooke

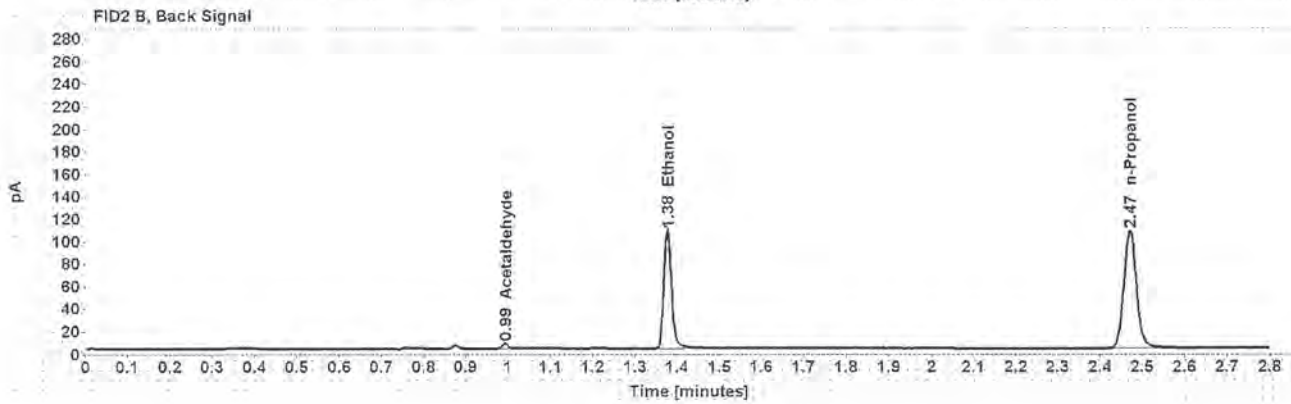
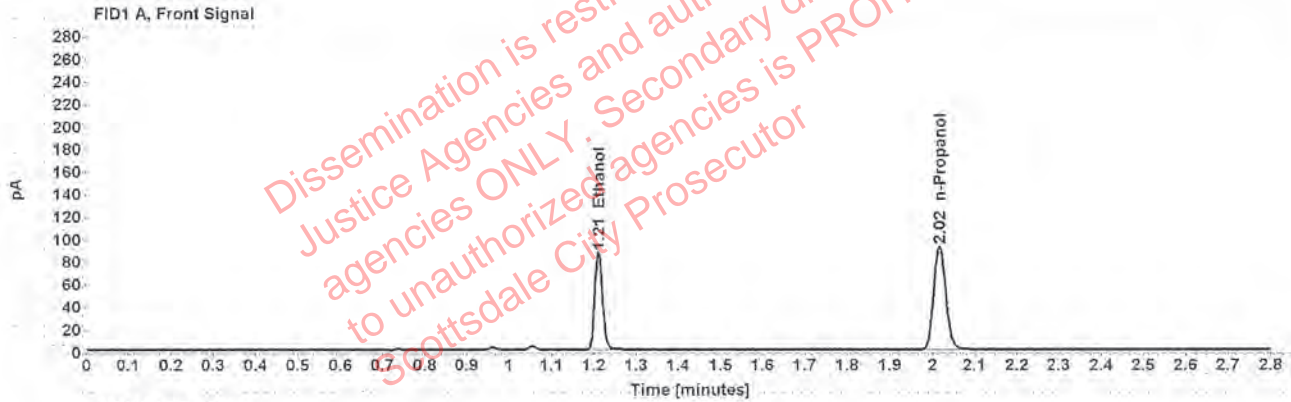


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1695	1.210	110.778
n-Propanol	-----	2.016	182.708

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.336
Ethanol	1.376	136.386
n-Propanol	2.470	218.050

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310989	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:12:17 PM
Data file:	C:\Chem32\1\Data\17Mar20\29.D	Analyst:	Brooke

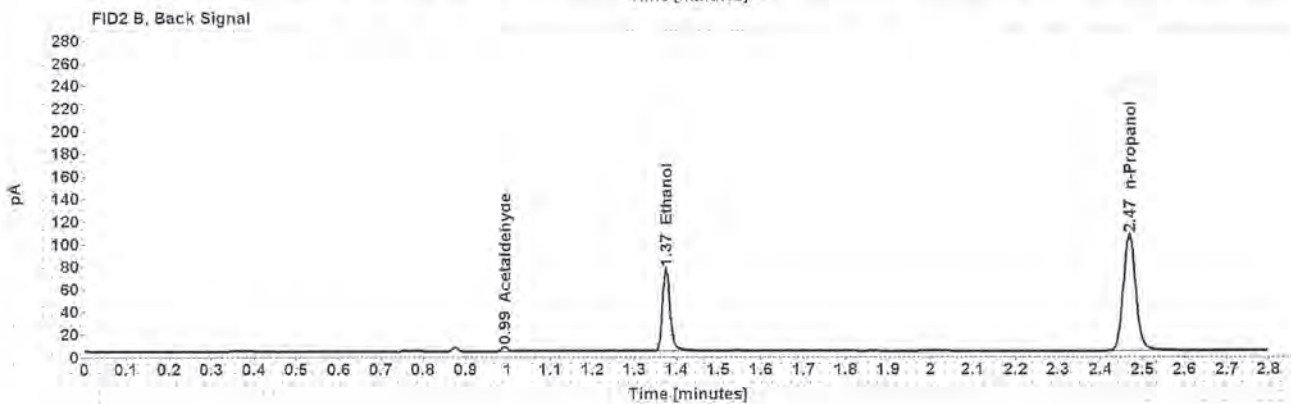
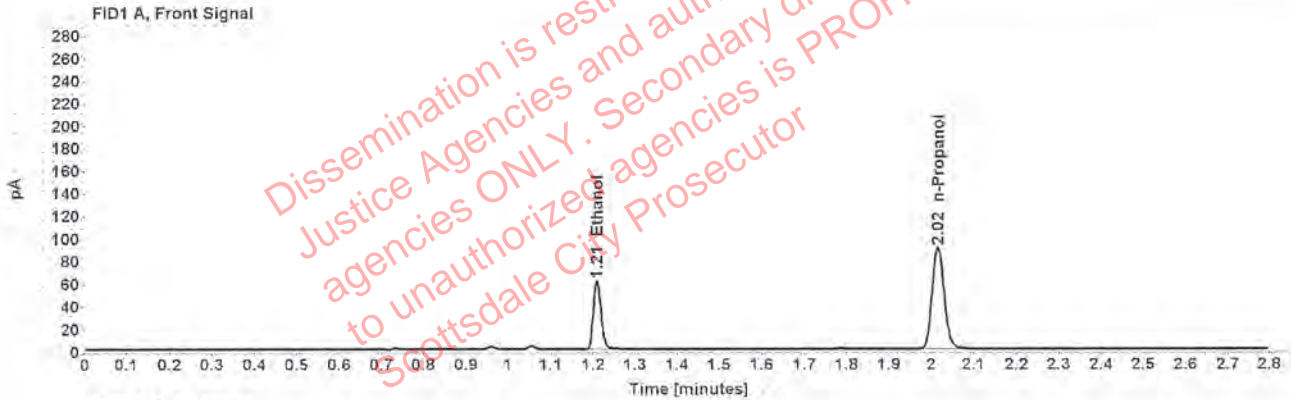


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1214	1.210	77.671
n-Propanol	-----	2.015	179.441

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.919
Ethanol	1.375	94.010
n-Propanol	2.468	213.670

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310989	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:16:17 PM
Data file:	C:\Chem3211\Data\17Mar20\30.D	Analyst:	Brooke

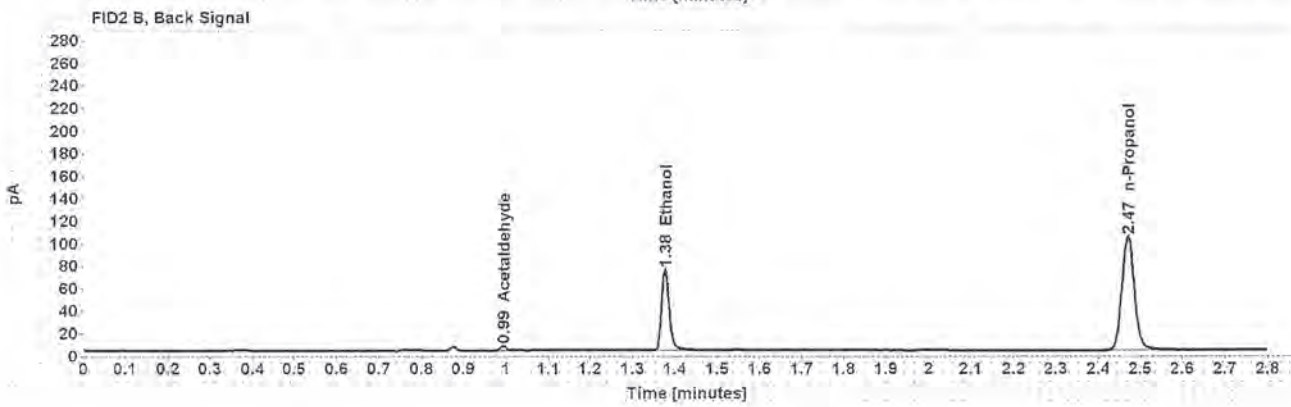
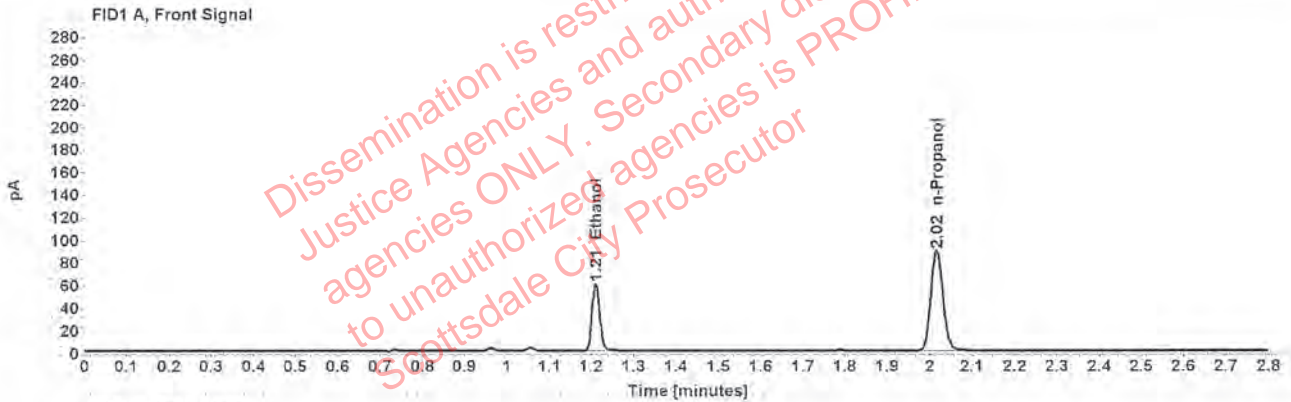


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1215	1.211	76.494
n-Propanol	-----	2.016	176.692

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.784
Ethanol	1.376	92.013
n-Propanol	2.470	210.338



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311121	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:24:32 PM
Data file:	C:\Chem32\1\Data\17Mar20\32.D	Analyst:	Brooke

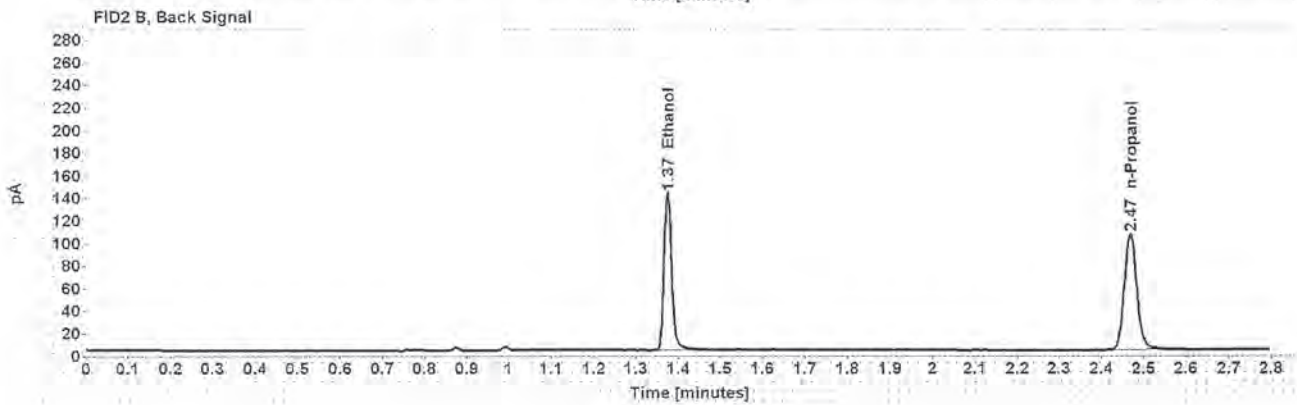
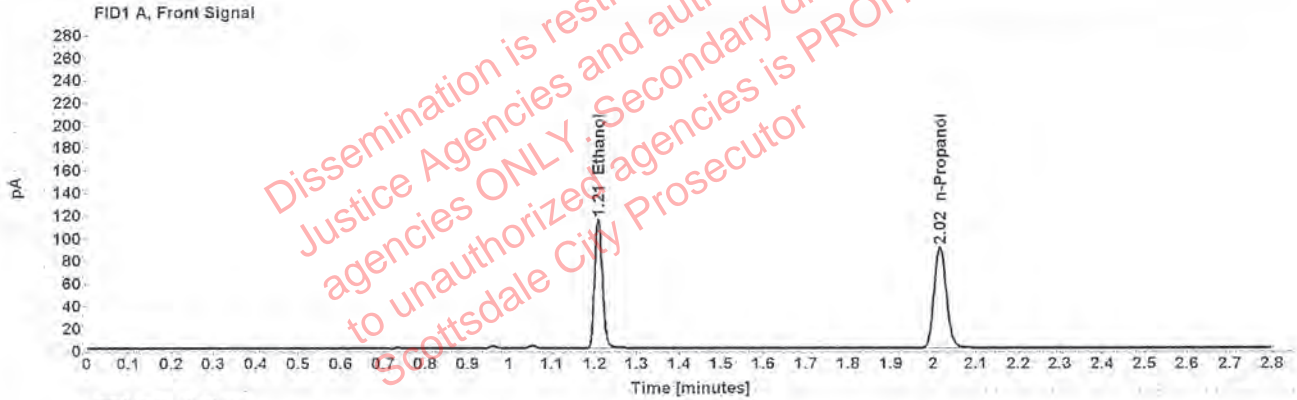


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2283	1.209	146.722
n-Propanol	-----	2.015	179.264

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

Compound	Time (min)	Peak Area
Ethanol	1.374	180.555
n-Propanol	2.468	212.692

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311121	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:28:32 PM
Data file:	C:\Chem32\1\Data\17Mar20\33.D	Analyst:	Brooke

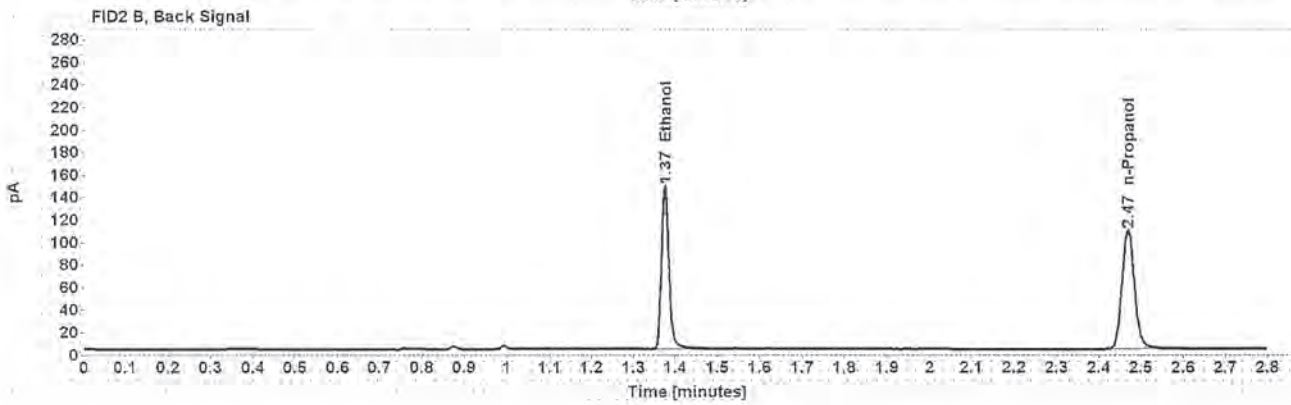
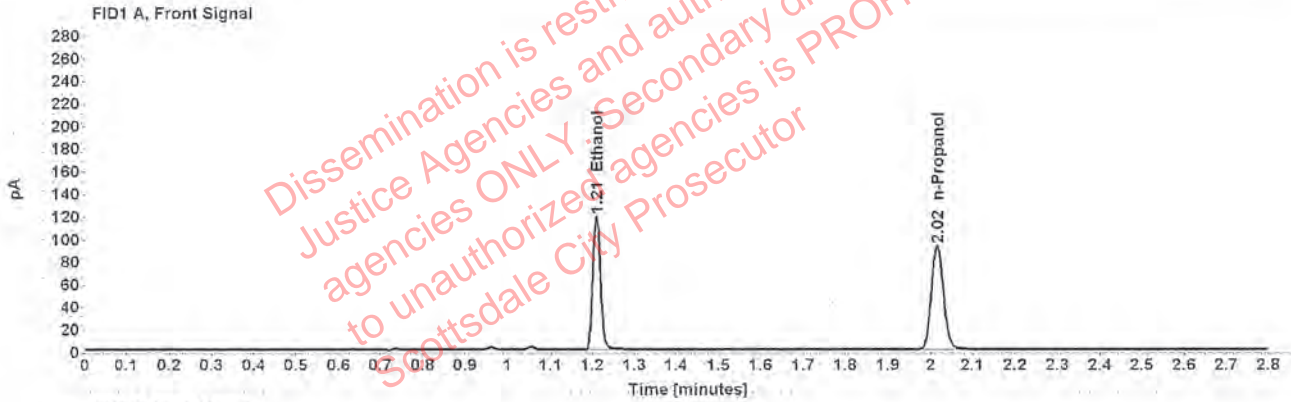


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2298	1.209	151.486
n-Propanol	-----	2.016	183.897

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

Compound	Time (min)	Peak Area
Ethanol	1.375	186.403
n-Propanol	2.469	218.156

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311361	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:32:32 PM
Data file:	C:\Chem3211\Data\17Mar20\34.D	Analyst:	Brooke

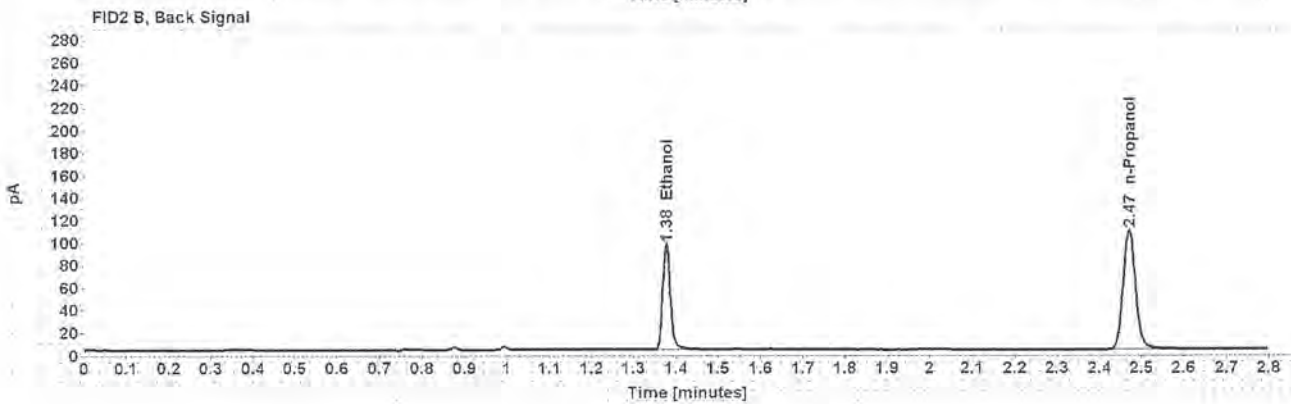
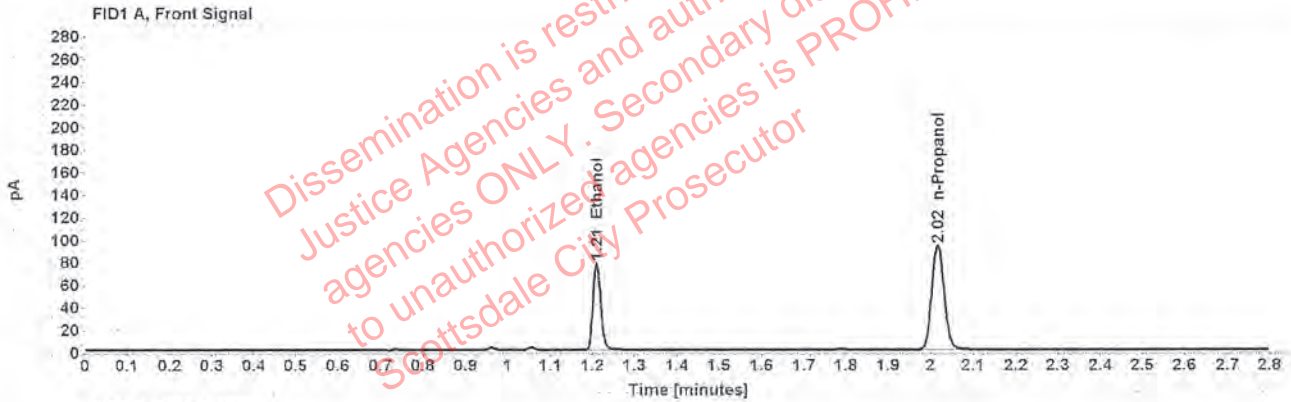


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1500	1.211	99.362
n-Propanol	-----	2.016	185.461

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

Compound	Time (min)	Peak Area
Ethanol	1.376	122.267
n-Propanol	2.470	221.053

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311361	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:36:32 PM
Data file:	C:\Chem321\1Data\17Mar20\35.D	Analyst:	Brooke

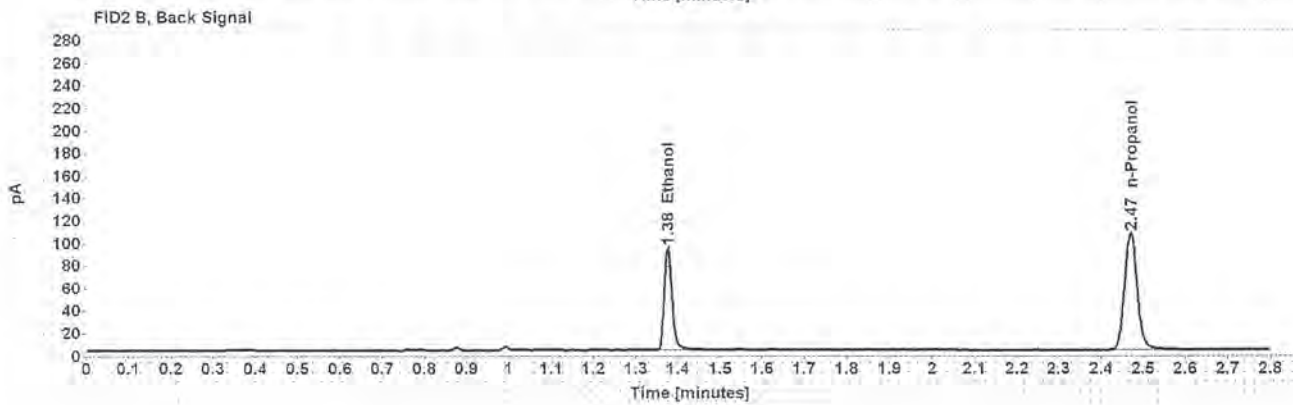
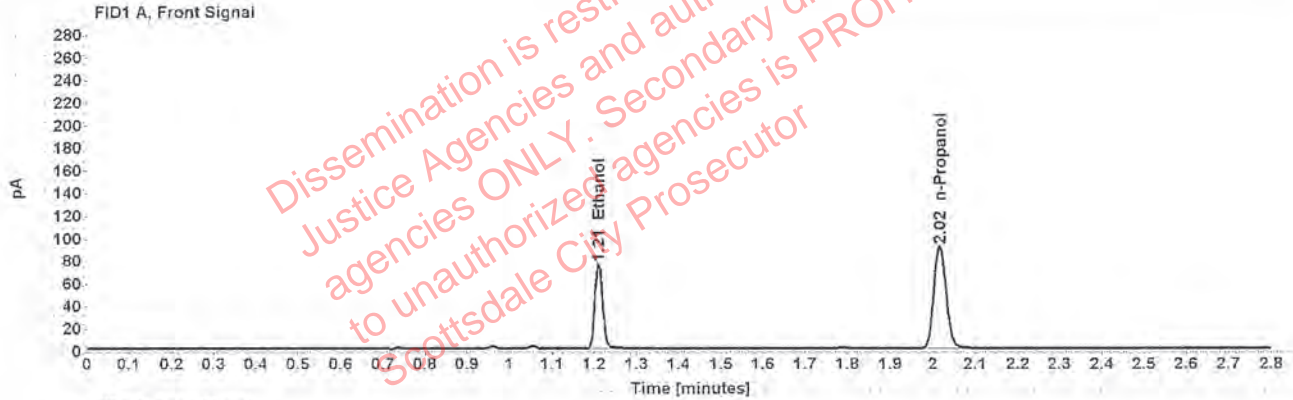


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1494	1.210	96.672
n-Propanol	-----	2.016	181.114

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

Compound	Time (min)	Peak Area
Ethanol	1.376	118.980
n-Propanol	2.470	216.227

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311378	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:40:32 PM
Data file:	C:\Chem32\1\Data\17Mar20\36.D	Analyst:	Brooke

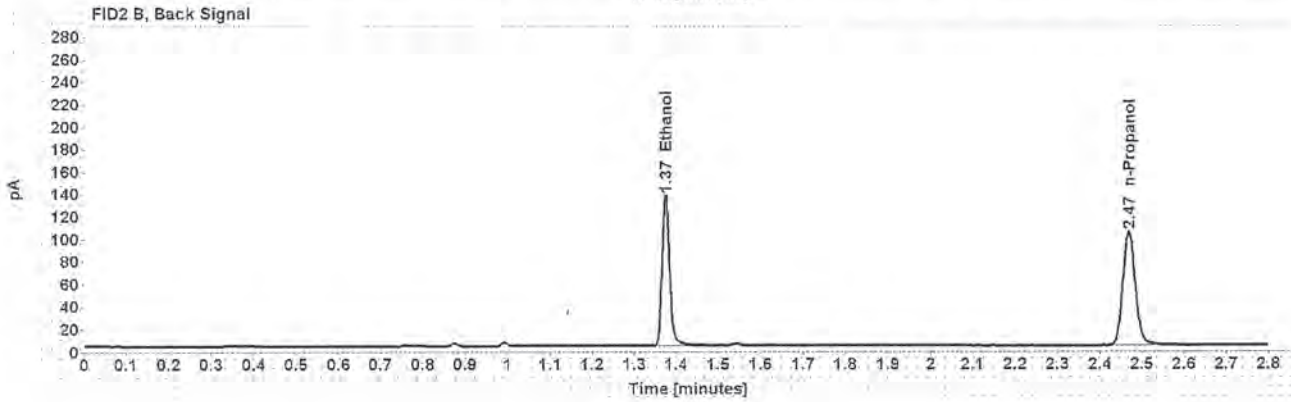
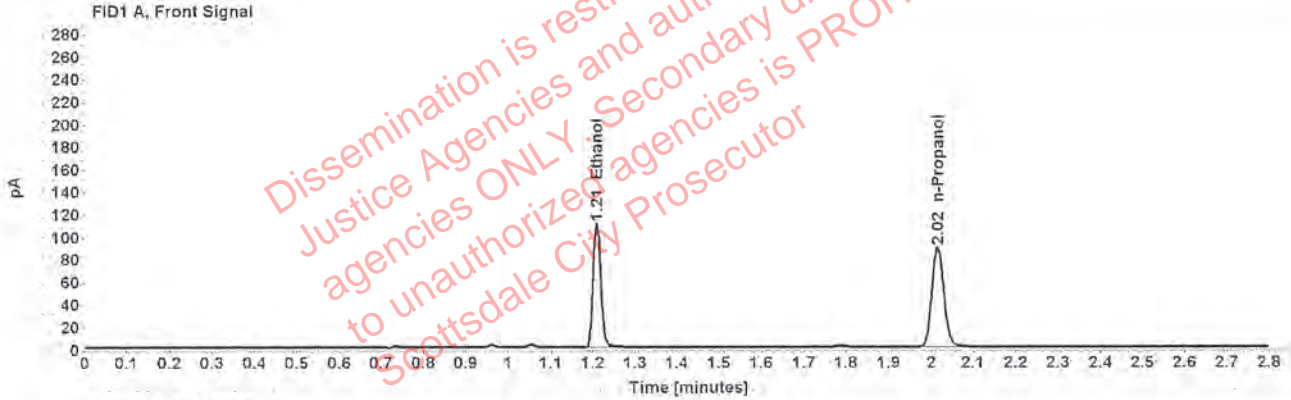


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2222	1.209	140.379
n-Propanol	-----	2.015	176.262

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

Compound	Time (min)	Peak Area
Ethanol	1.374	172.822
n-Propanol	2.468	211.254

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311378	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:44:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\37.D	Analyst:	Brooke

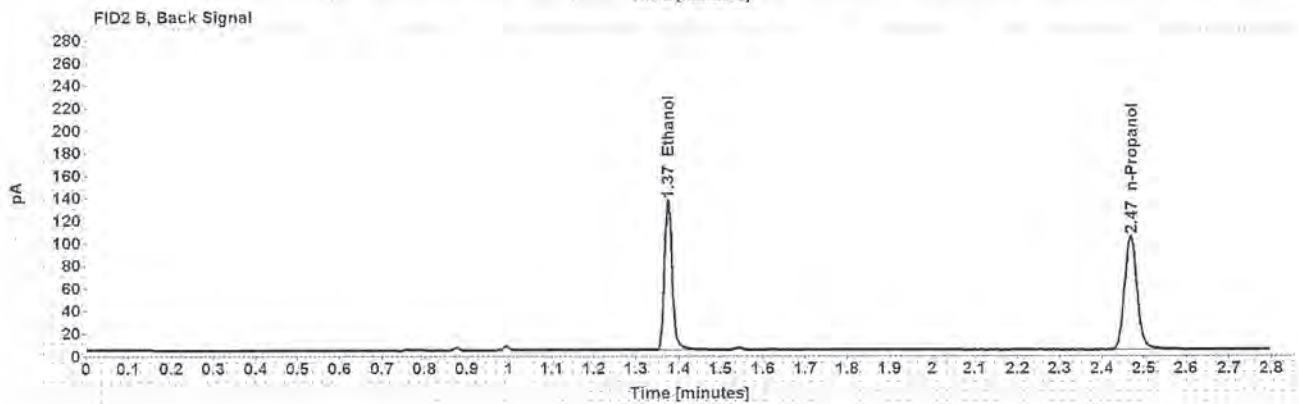
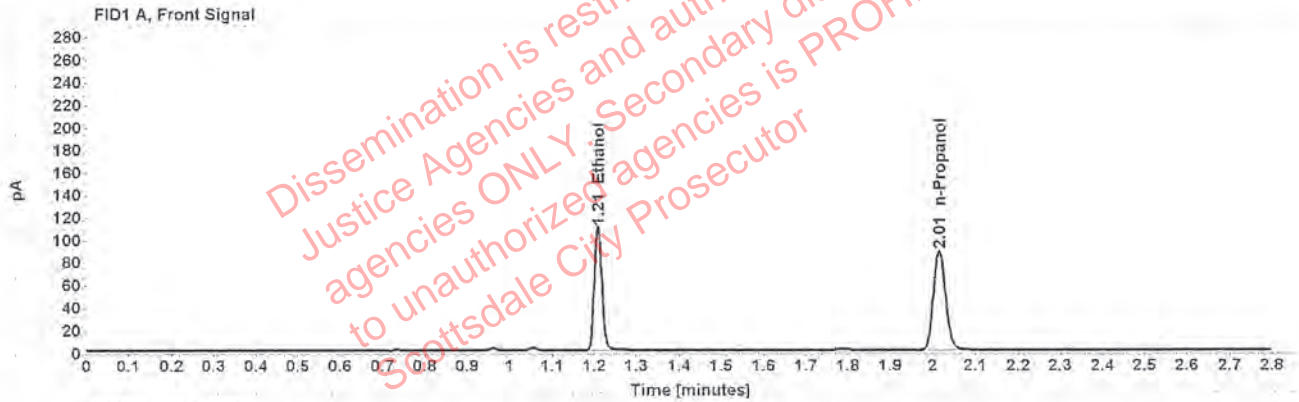


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2219	1.209	139.467
n-Propanol	-----	2.015	175.341

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

Compound	Time (min)	Peak Area
Ethanol	1.374	171.500
n-Propanol	2.468	209.051

Case: [REDACTED] User: pbrooke 3/19/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501RH	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:48:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\38.D	Analyst:	Brooke

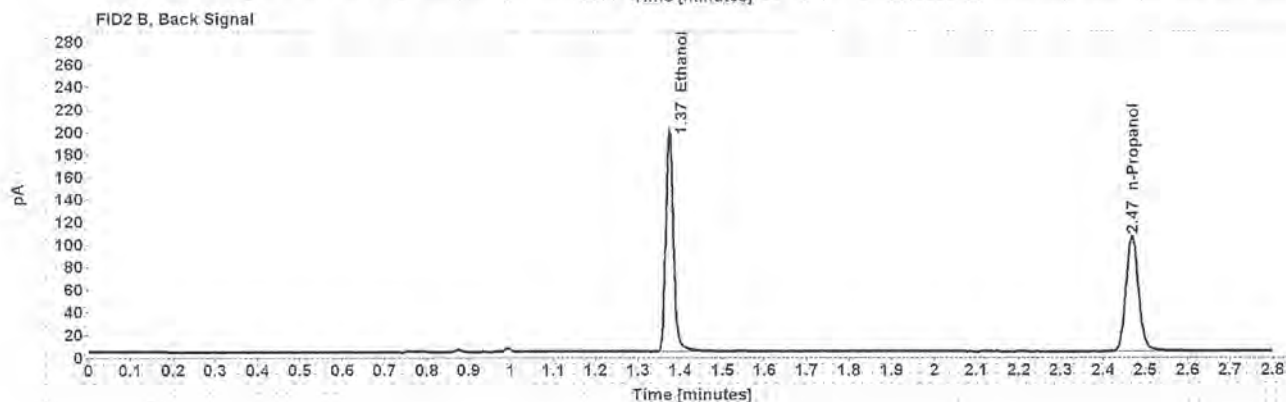
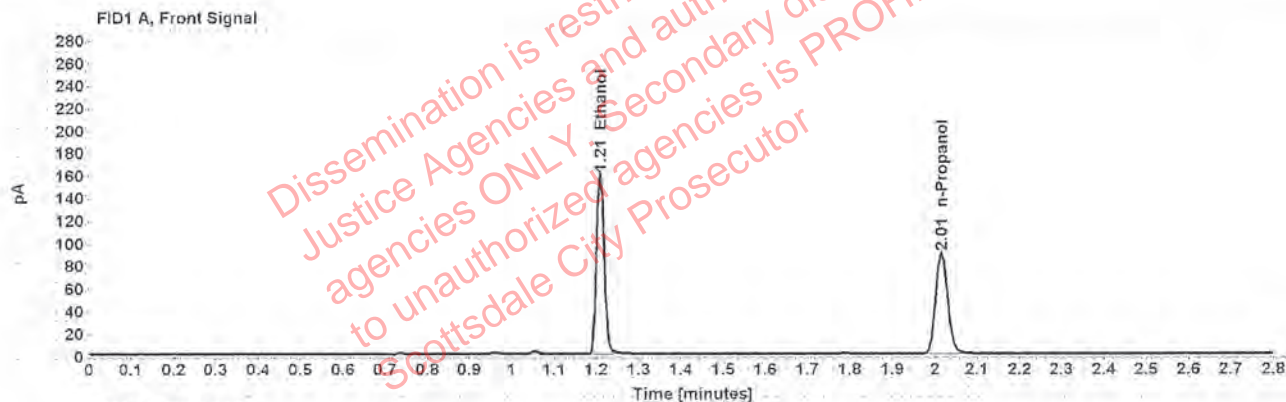


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3175	1.208	203.025
n-Propanol	-----	2.015	178.058

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

Compound	Time (min)	Peak Area
Ethanol	1.374	248.392
n-Propanol	2.468	212.040

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501RH	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:52:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\39.D	Analyst:	Brooke

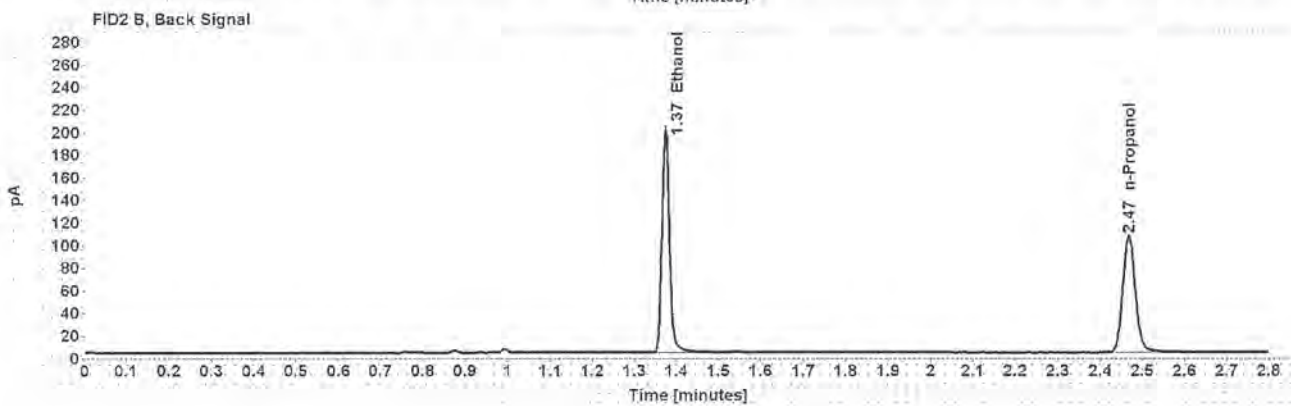
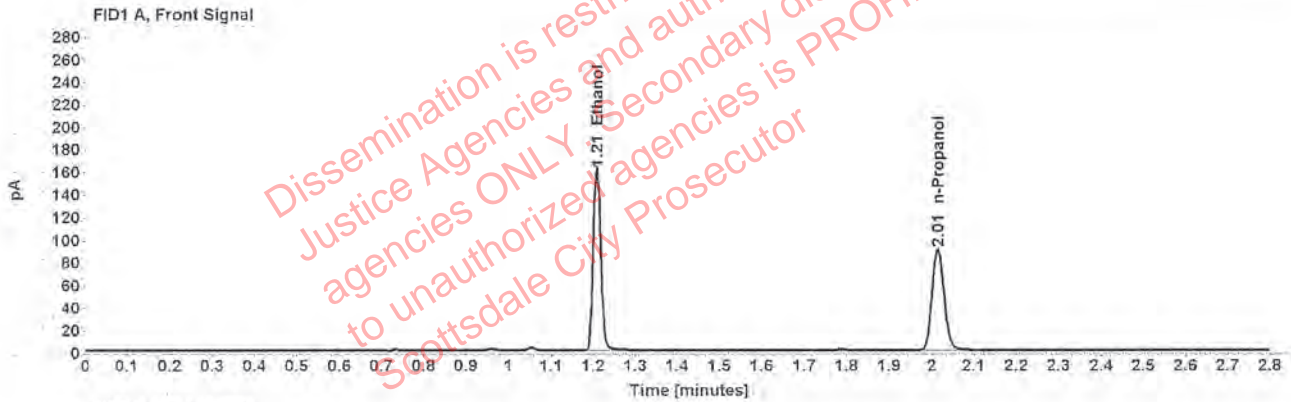


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3174	1.208	204.595
n-Propanol	—	2.015	179.512

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

Compound	Time (min)	Peak Area
Ethanol	1.373	250.251
n-Propanol	2.467	213.303



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313040	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 5:56:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\40.D	Analyst:	Brooke

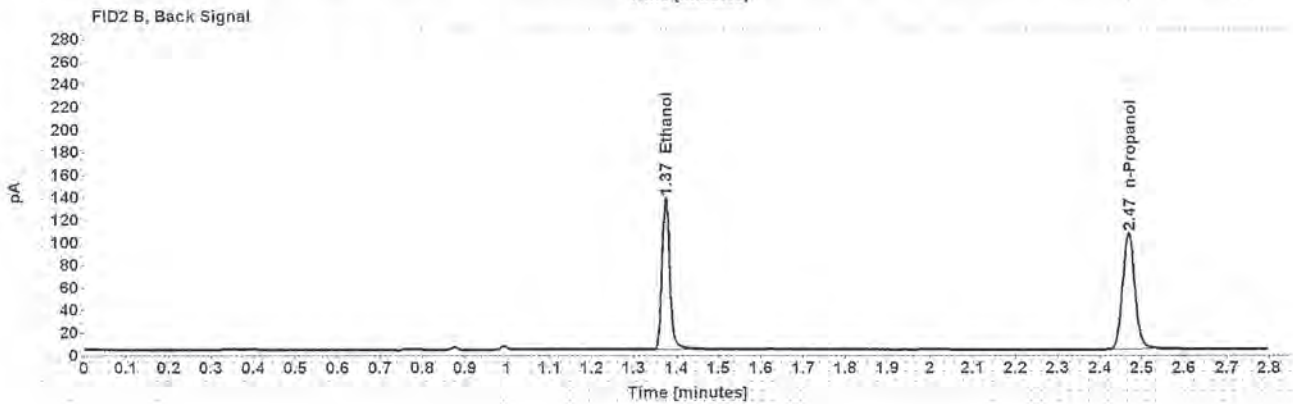
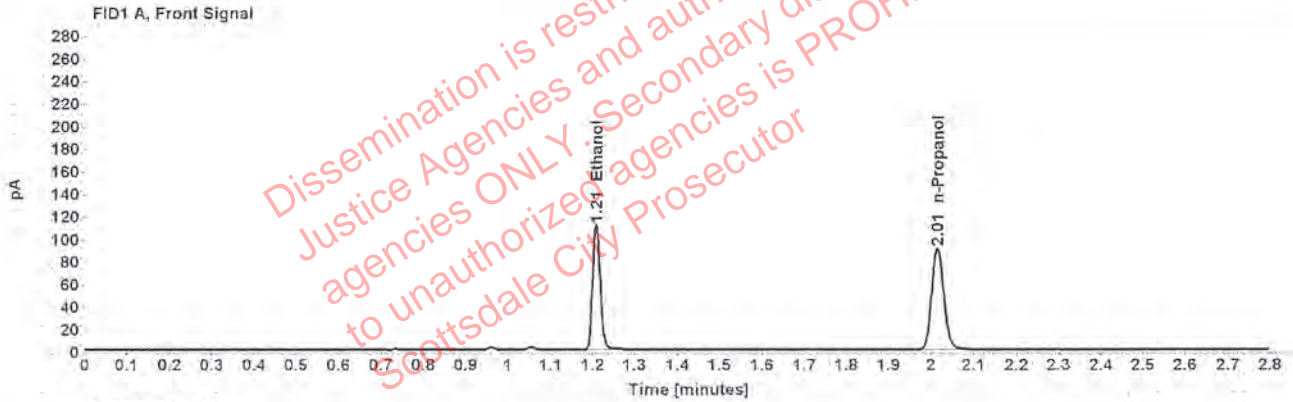


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2193	1.209	141.079
n-Propanol	-----	2.015	179.549

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

Compound	Time (min)	Peak Area
Ethanol	1.374	173.975
n-Propanol	2.466	213.274

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313040	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/17/2020 6:00:47 PM
Data file:	C:\Chem32\1\Data\17Mar20\41.D	Analyst:	Brooke

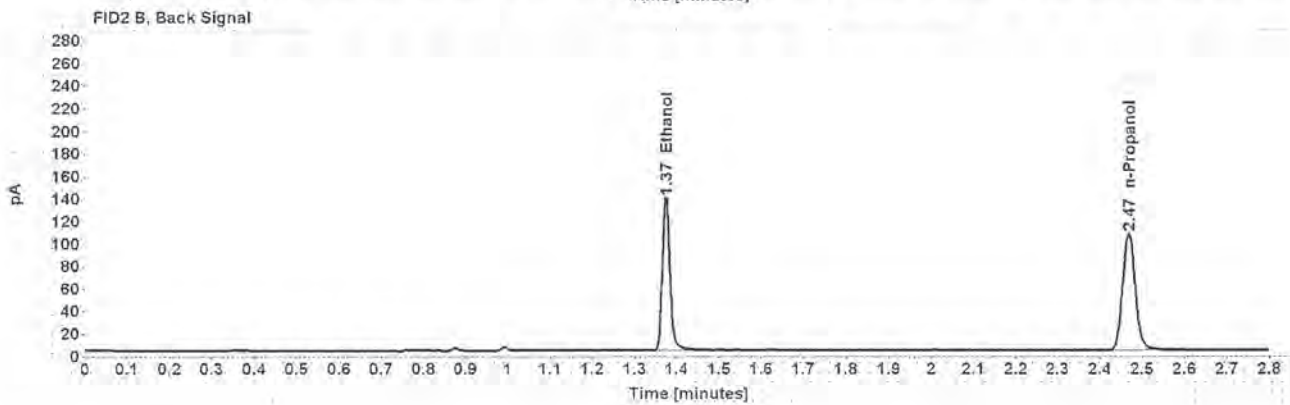
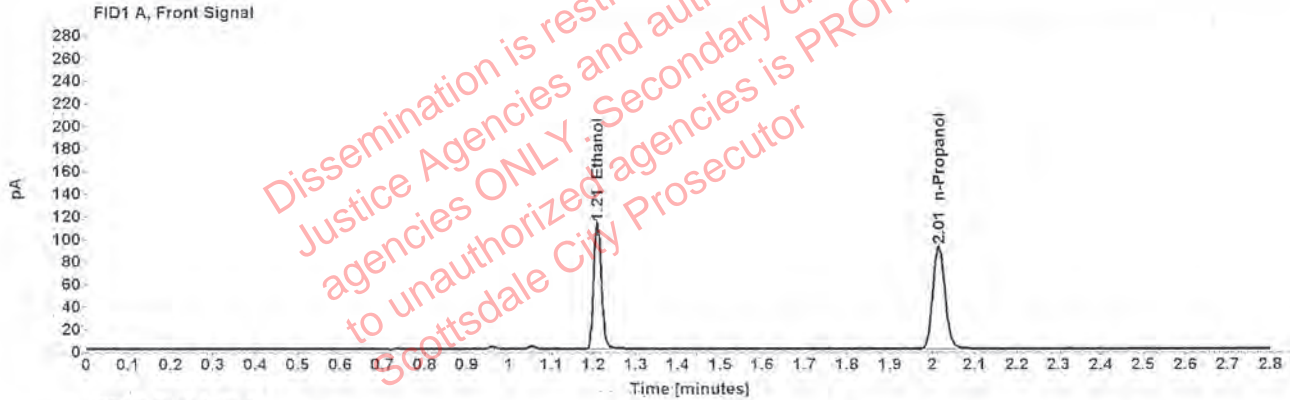


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2198	1.209	142.512
n-Propanol	-----	2.015	180.940

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

Compound	Time (min)	Peak Area
Ethanol	1.374	175.877
n-Propanol	2.468	215.306