

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 08/04/2020 SEQUENCE NAME 04Aug20

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r<sup>2</sup>)  
 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 071420AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 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	0.082 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 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 1

**ADDITIONAL NOTES:** The duplicate tests in vials 21 and 22 did not agree within 2% of the average.

Run valid  Run invalid   Analyst  
 Run valid  Run invalid   Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

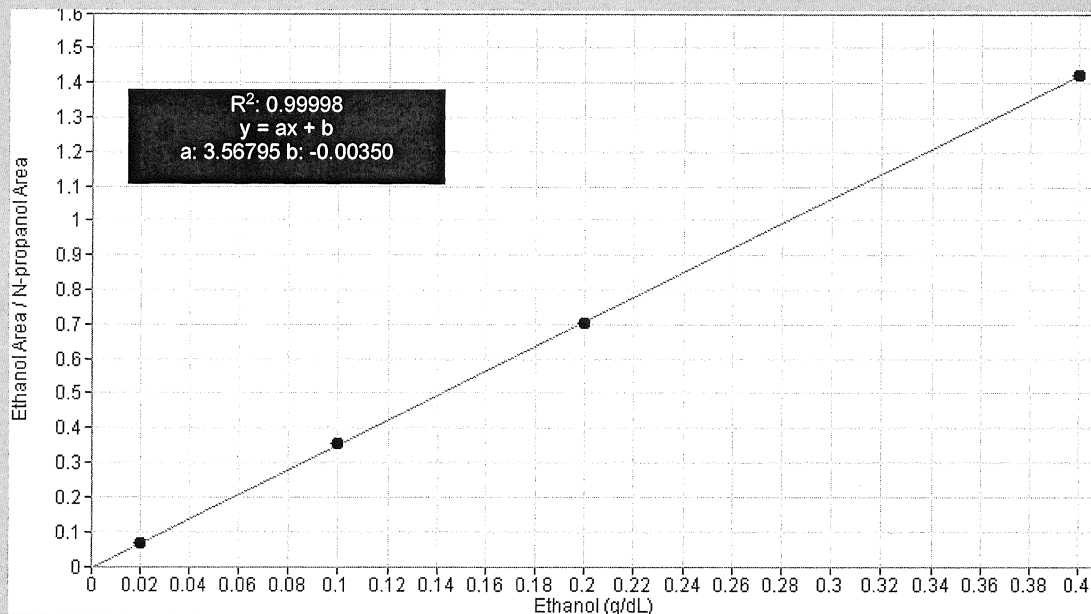
SEQUENCE NAME: 04Aug20

ANALYST: Abbott *ra*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 071420AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.199	0.198	0.51	0.001
0.080 03102016-A/1	20	0.082	0.080	2.50	0.002
0.080 03102016-A/1	31	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.402	0.400	0.50	0.002
0.040 14082019-B	43	0.040	0.040	0.00	0.000
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	11.809	172.187	0.069
0.100	62.777	176.727	0.355
0.200	122.492	173.548	0.706
0.400	249.134	174.795	1.425

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03241604	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 04Aug20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 8/4/2020 2:47:48 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>PA</i>
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\1.D	

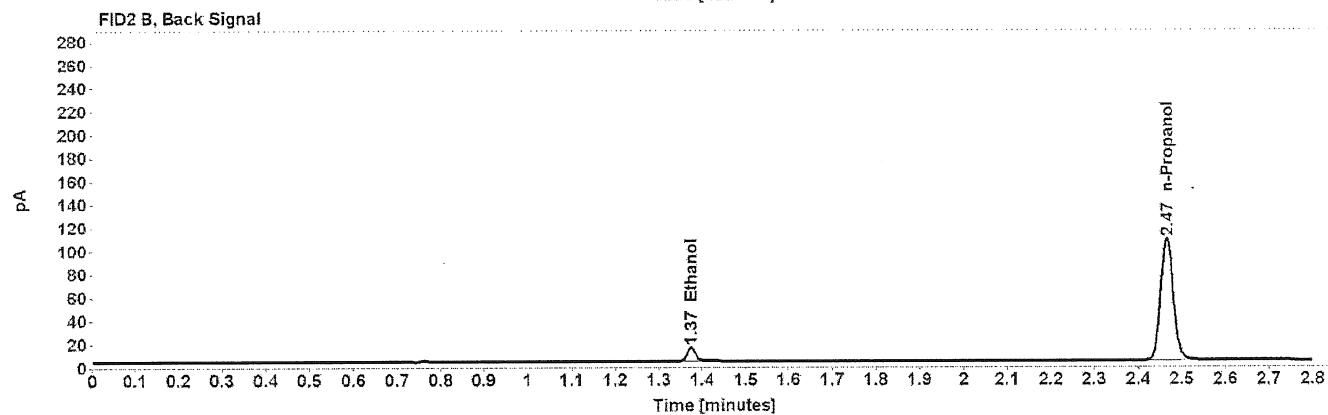
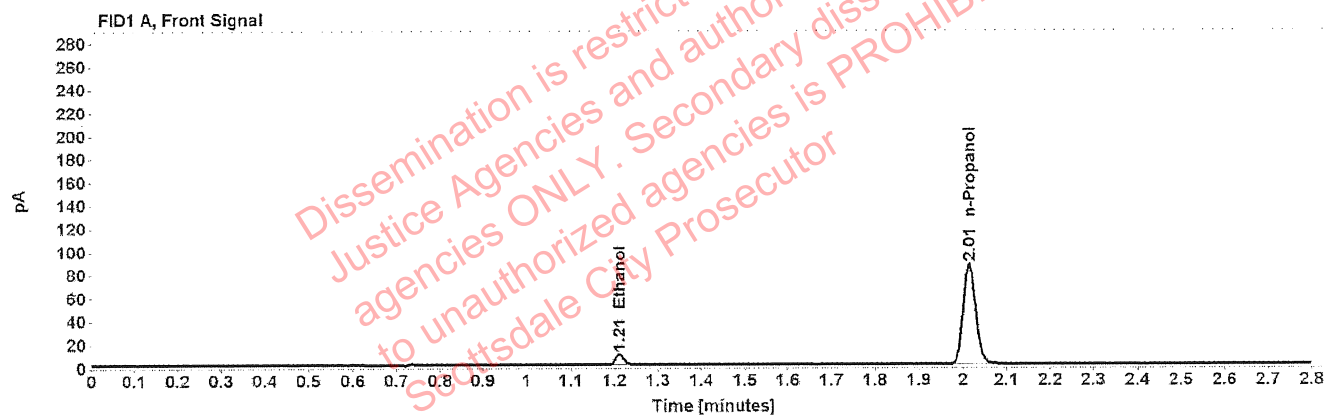


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.809
n-Propanol	2.014	172.187

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

Compound	Time (min)	Peak Area
Ethanol	1.374	14.810
n-Propanol	2.465	211.905

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 04Aug20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 8/4/2020 2:51:49 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\2.D	

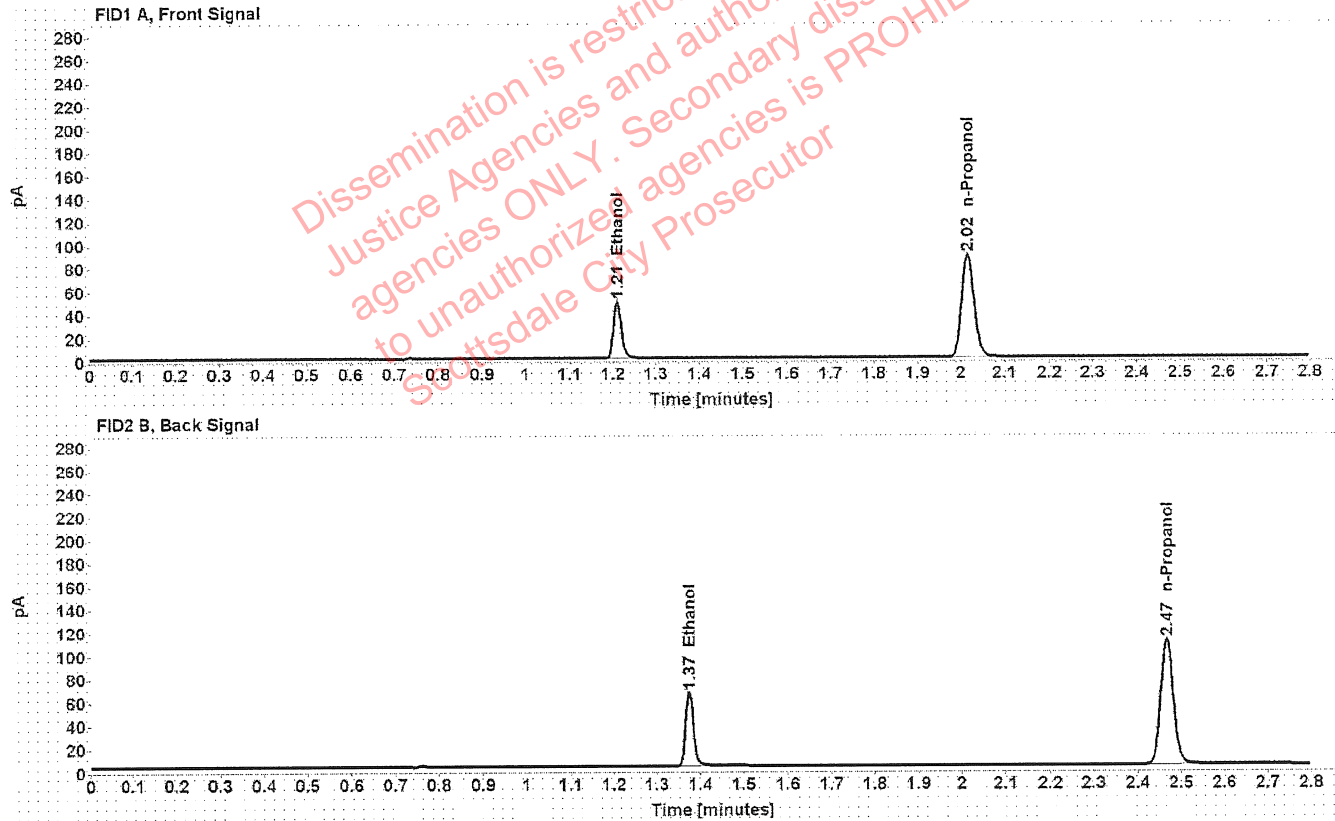


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	62.777
n-Propanol	2.015	176.727

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

Compound	Time (min)	Peak Area
Ethanol	1.374	78.715
n-Propanol	2.467	217.944

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 04Aug20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 8/4/2020 2:55:48 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>Lu</i>
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\3.D	

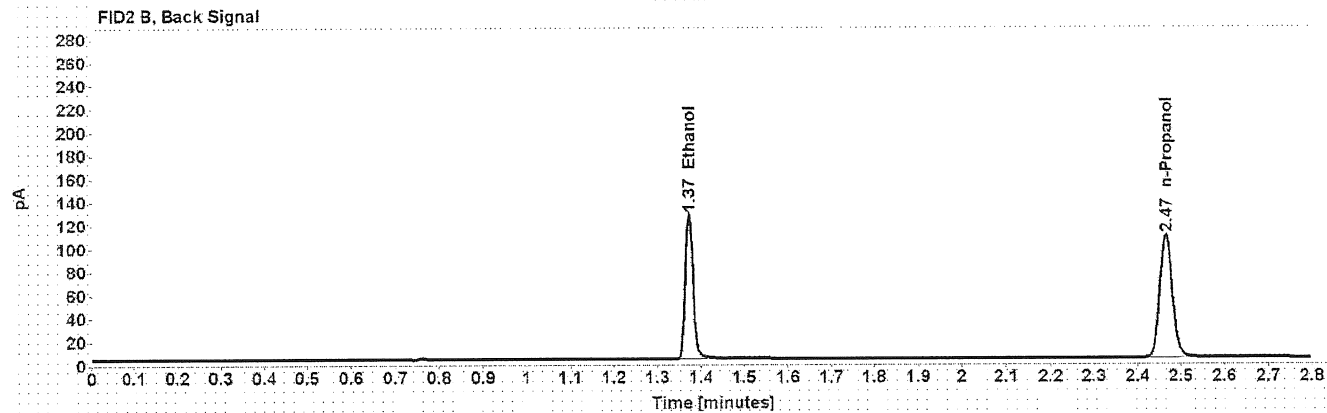
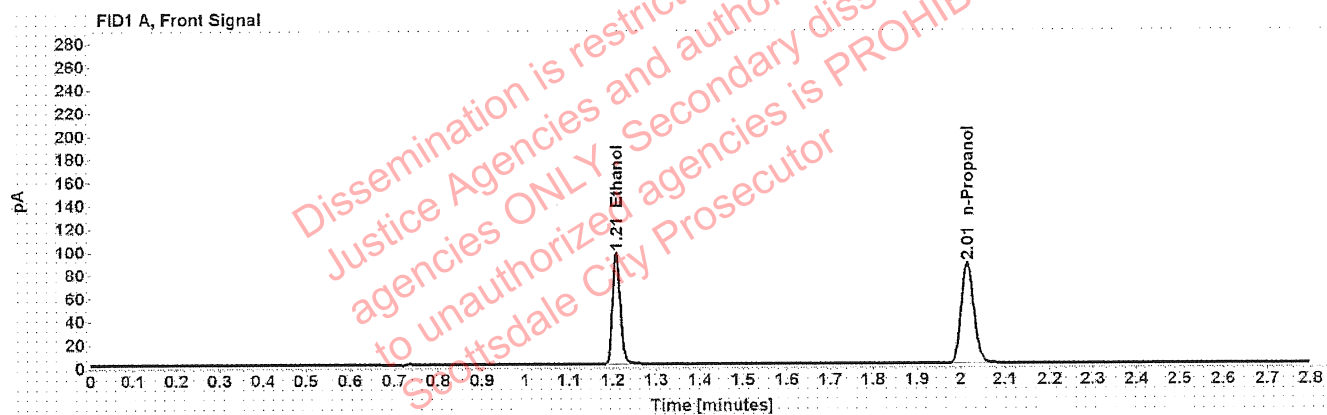


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	122.492
n-Propanol	2.014	173.548

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

Compound	Time (min)	Peak Area
Ethanol	1.372	154.251
n-Propanol	2.465	213.886

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 04Aug20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 8/4/2020 2:59:48 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>MA</i>
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\4.D	

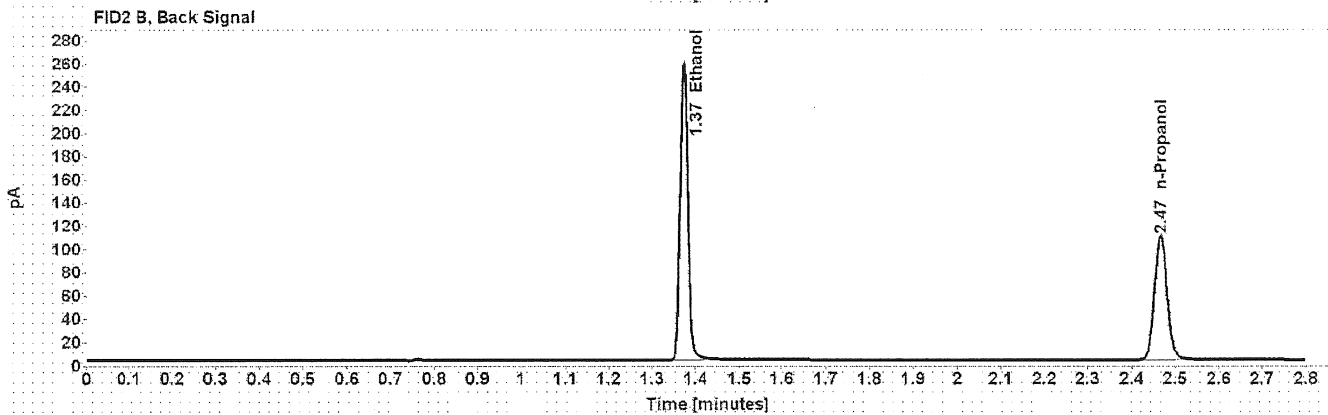
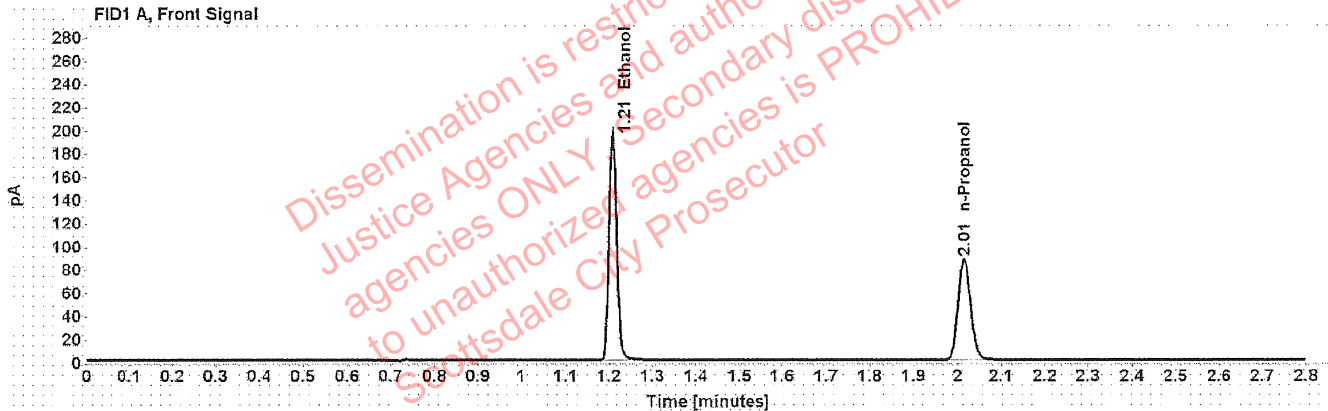


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	249.134
n-Propanol	2.015	174.795

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

Compound	Time (min)	Peak Area
Ethanol	1.373	313.595
n-Propanol	2.466	215.821

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 071420AQ	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 04Aug20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 8/4/2020 3:03:47 PM
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\5.D	<b>Analyst:</b> Abbott <i>MA</i>

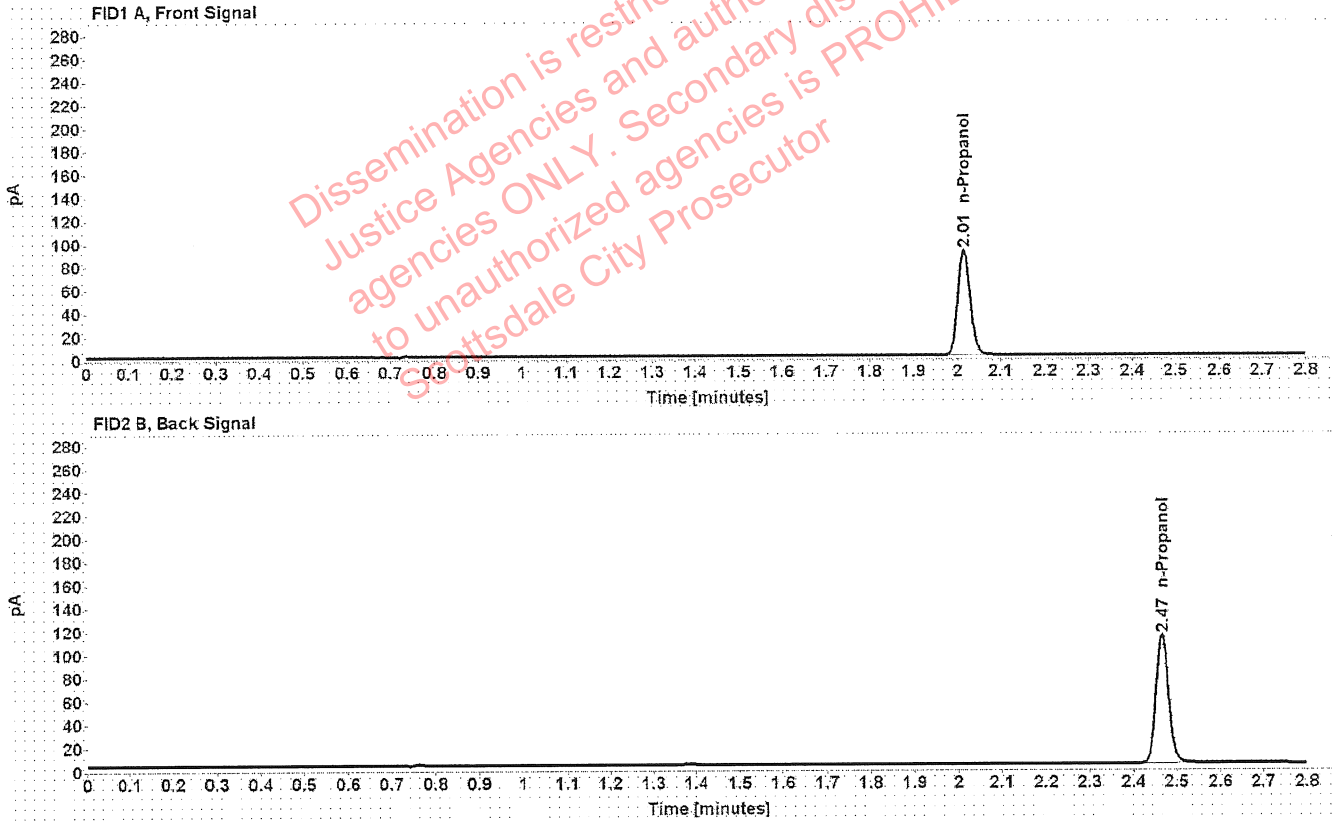


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	181.457

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	223.517

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 070819MIX	<b>Vial:</b> 6
<b>Description:</b> Volatiles mix	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 04Aug20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 8/4/2020 3:07:48 PM
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\6.D	<b>Analyst:</b> Abbott <i>JA</i>

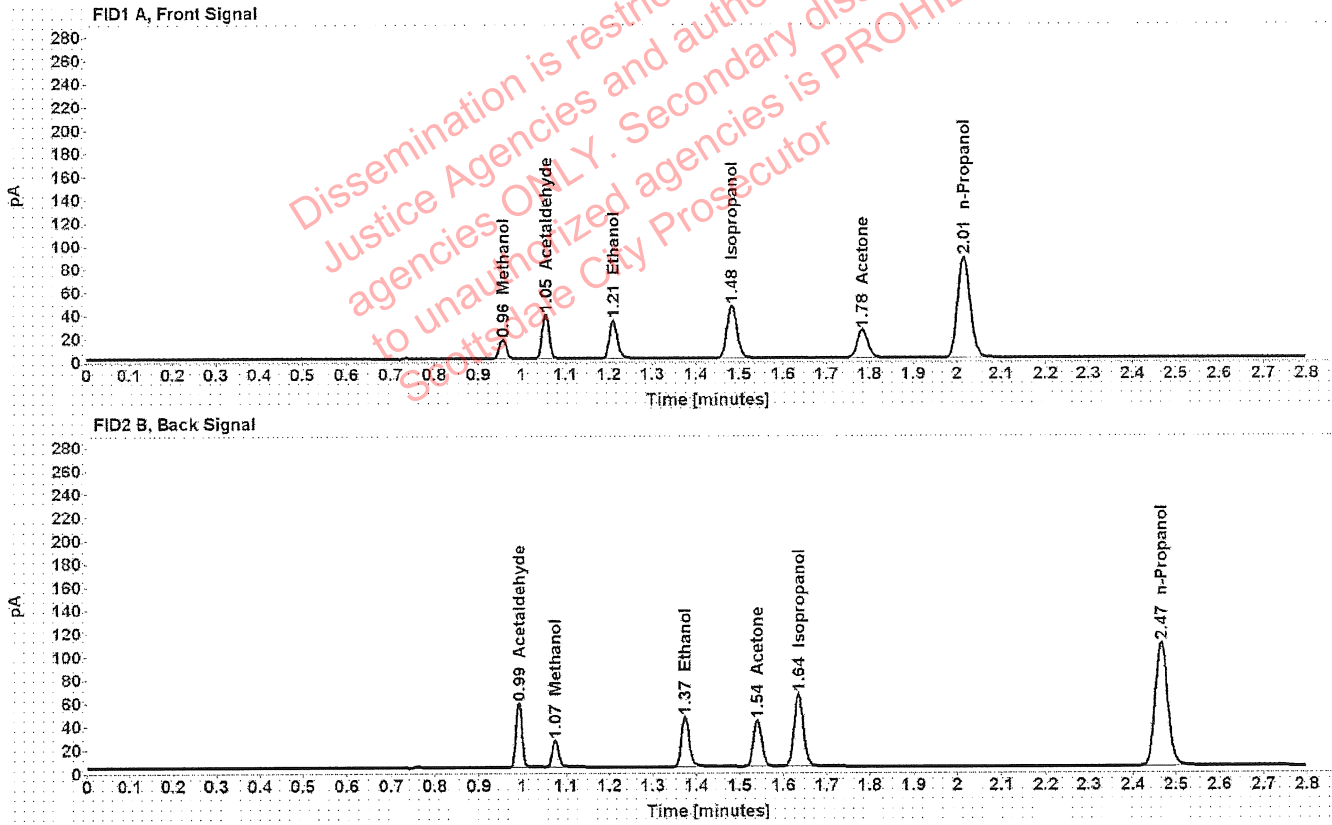


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.753
Acetaldehyde	-----	1.054	41.859
>Ethanol	0.0693	1.210	42.530
Isopropanol	-----	1.483	73.173
Acetone	-----	1.783	42.013
n-Propanol	-----	2.015	174.370

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	54.378
Methanol	1.075	24.207
Ethanol	1.373	53.389
Acetone	1.540	52.205
Isopropanol	1.635	94.044
n-Propanol	2.466	215.257



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 04Aug20
Instrument: US14173023 CN14160045	Injection date: 8/4/2020 3:12:03 PM
Data file: C:\Chem32\1\Data\04Aug20\7.D	Analyst: Abbott

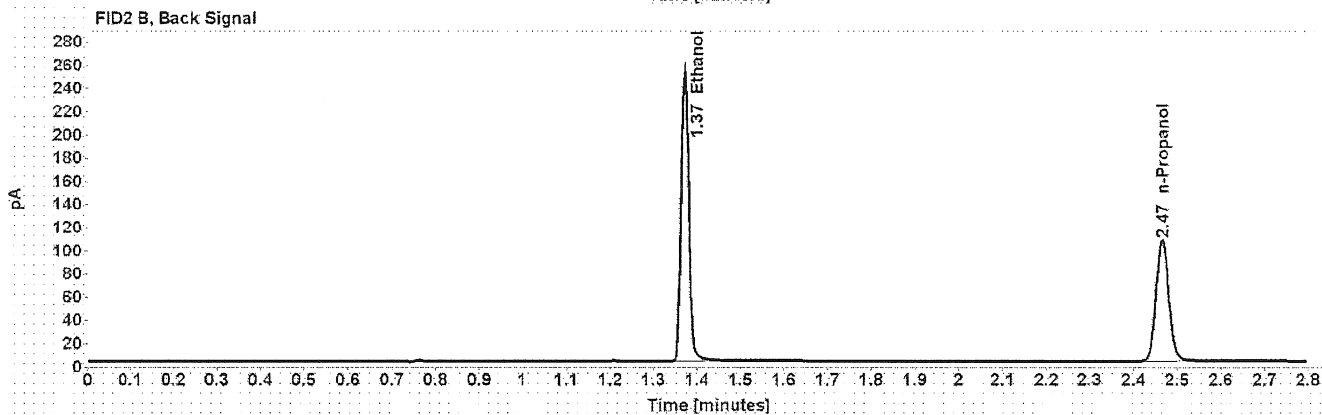
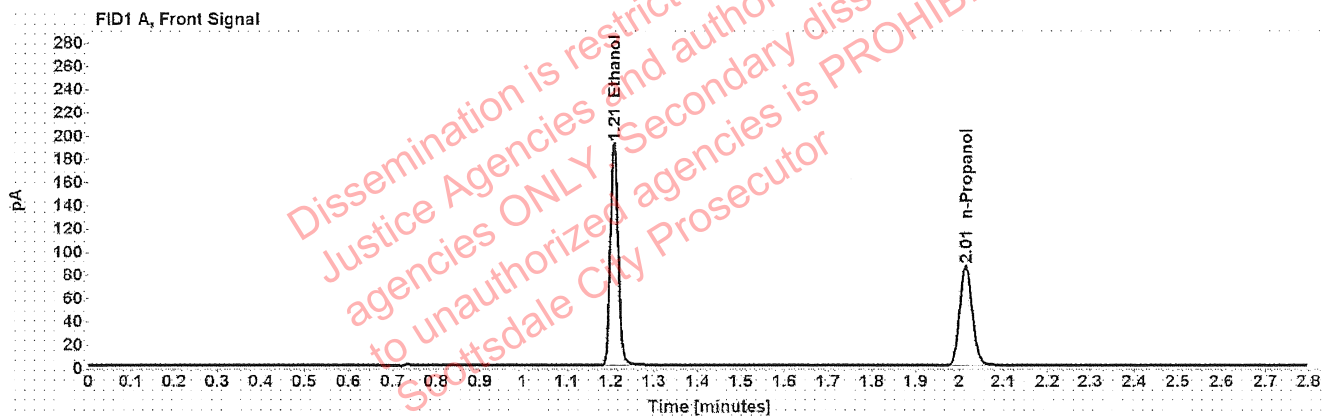


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3986	1.208	243.707
n-Propanol	-----	2.014	171.770

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

Compound	Time (min)	Peak Area
Ethanol	1.372	306.955
n-Propanol	2.465	211.845

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 8
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 04Aug20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 8/4/2020 3:16:02 PM
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\8.D	<b>Analyst:</b> Abbott <i>la</i>

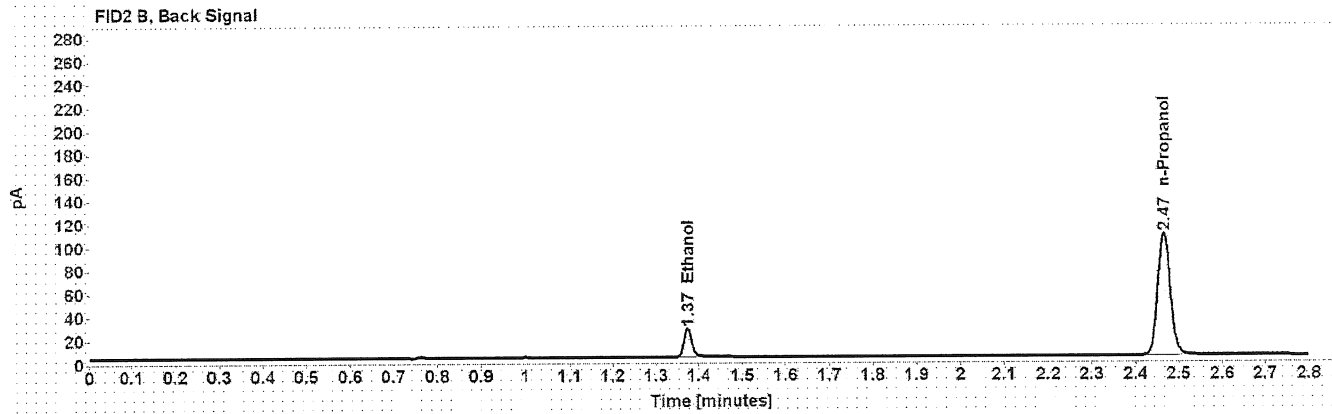
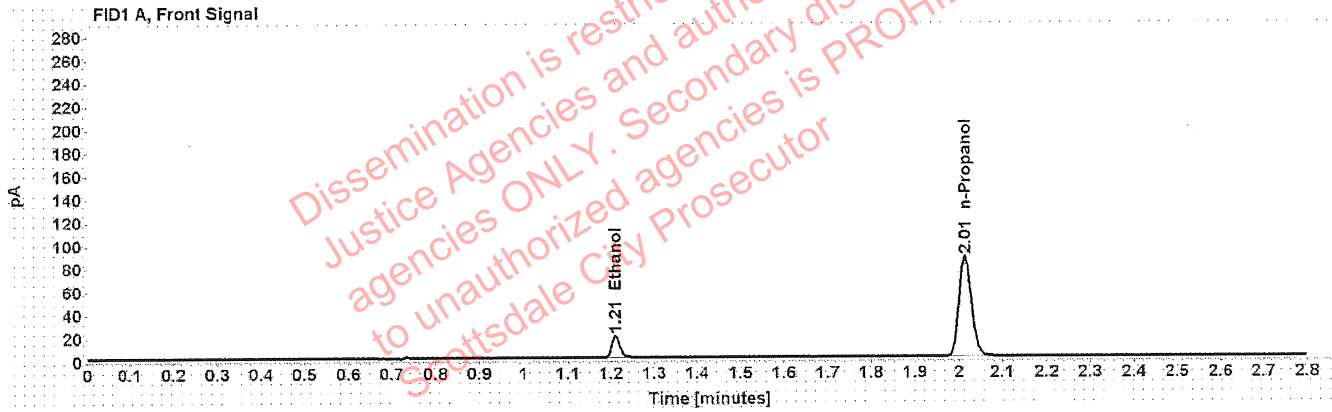


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.210	24.229
n-Propanol	-----	2.014	172.727

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

Compound	Time (min)	Peak Area
Ethanol	1.373	30.308
n-Propanol	2.465	212.622

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 9
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 04Aug20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 8/4/2020 3:20:04 PM
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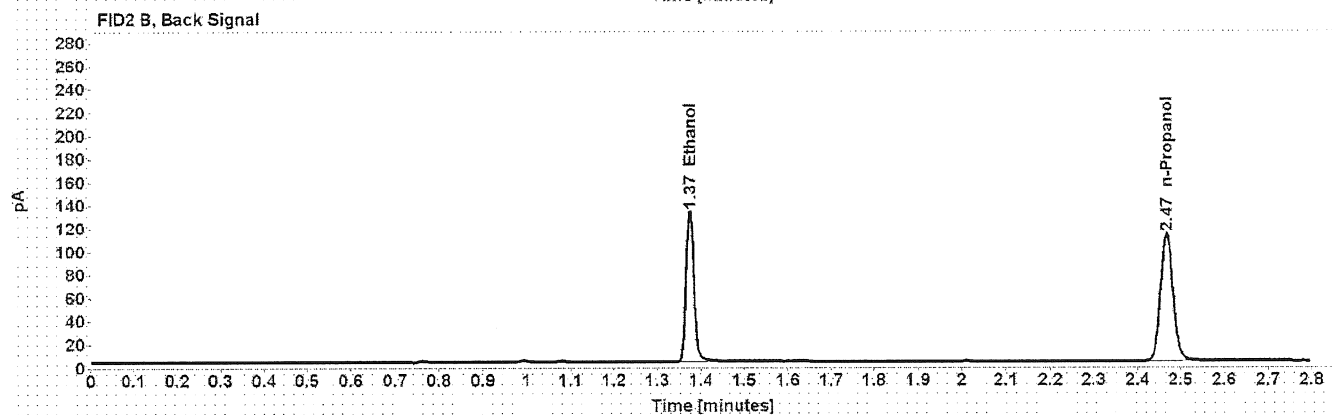
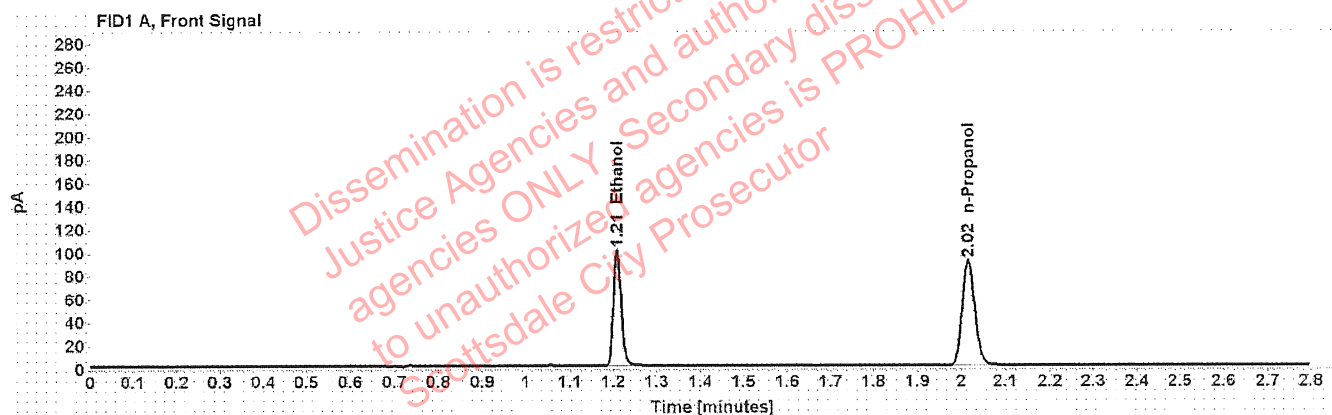


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1998	1.210	128.218
n-Propanol	-----	2.016	180.702

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

Compound	Time (min)	Peak Area
Ethanol	1.374	161.276
n-Propanol	2.467	222.729

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 04Aug20
Instrument: US14173023 CN14160045	Injection date: 8/4/2020 4:04:33 PM
Data file: C:\Chem32\1\Data\04Aug20\20.D	Analyst: Abbott <i>JA</i>

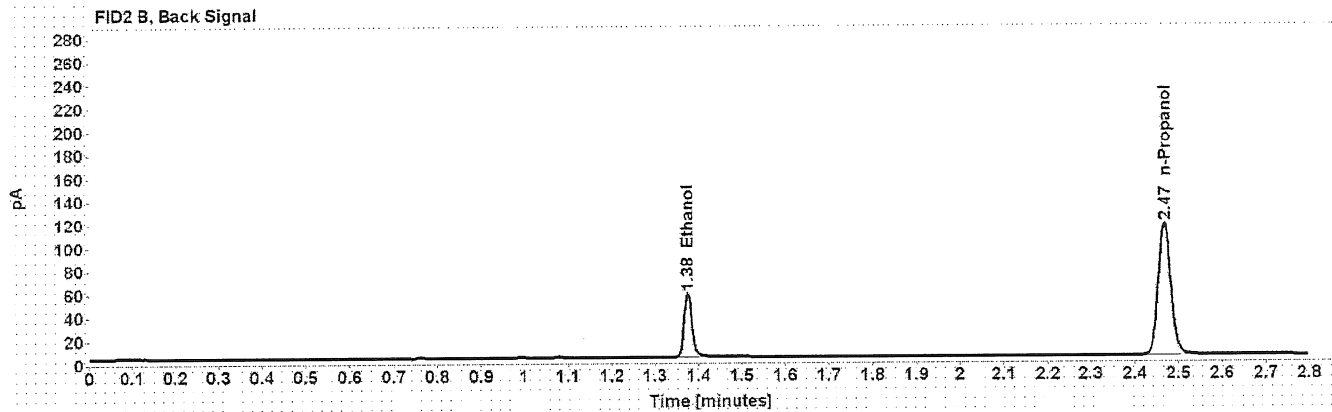
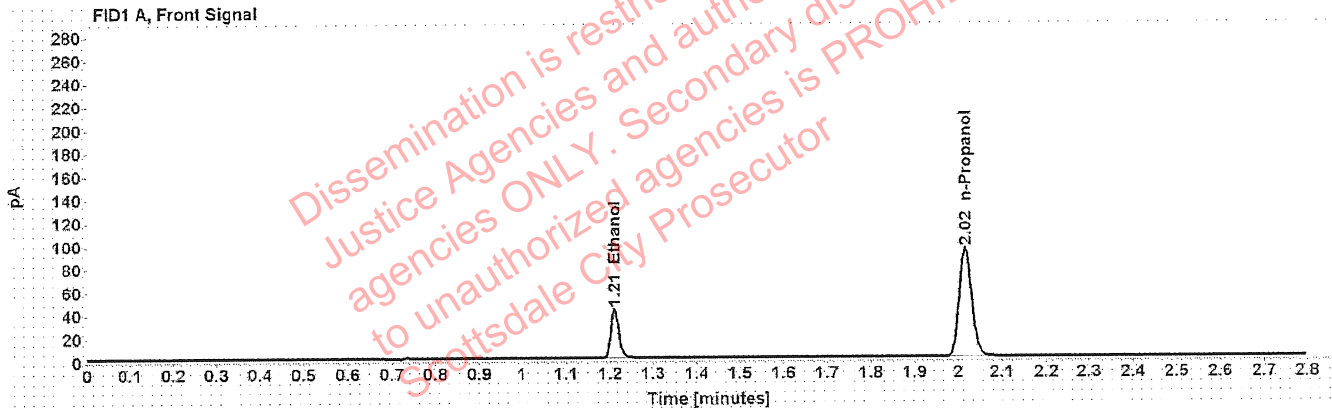


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0826	1.211	54.604
n-Propanol	-----	2.016	187.494

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

Compound	Time (min)	Peak Area
Ethanol	1.375	68.161
n-Propanol	2.468	230.403

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	03102016-A/1	<b>Vial:</b>	31
<b>Description:</b>	0.080	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	04Aug20
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	8/4/2020 4:49:03 PM
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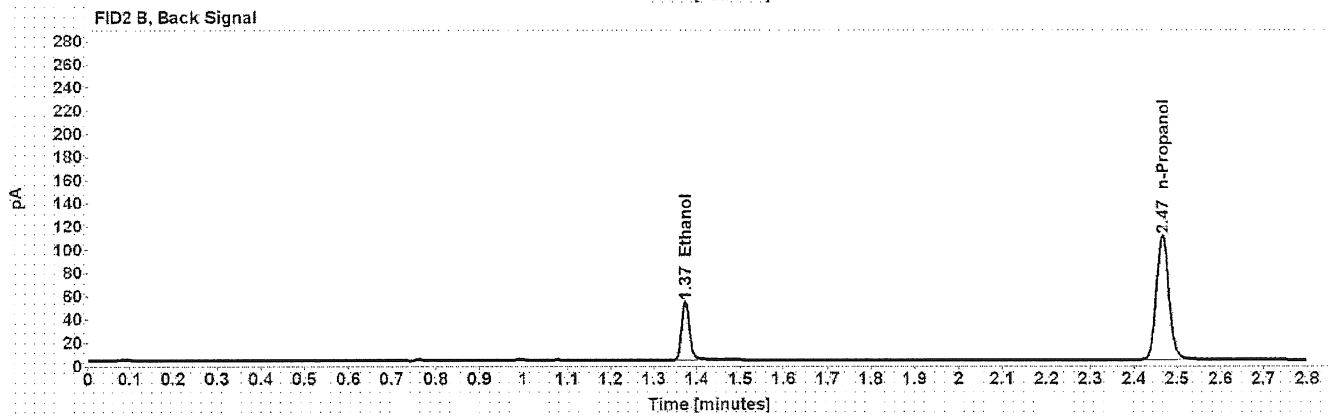
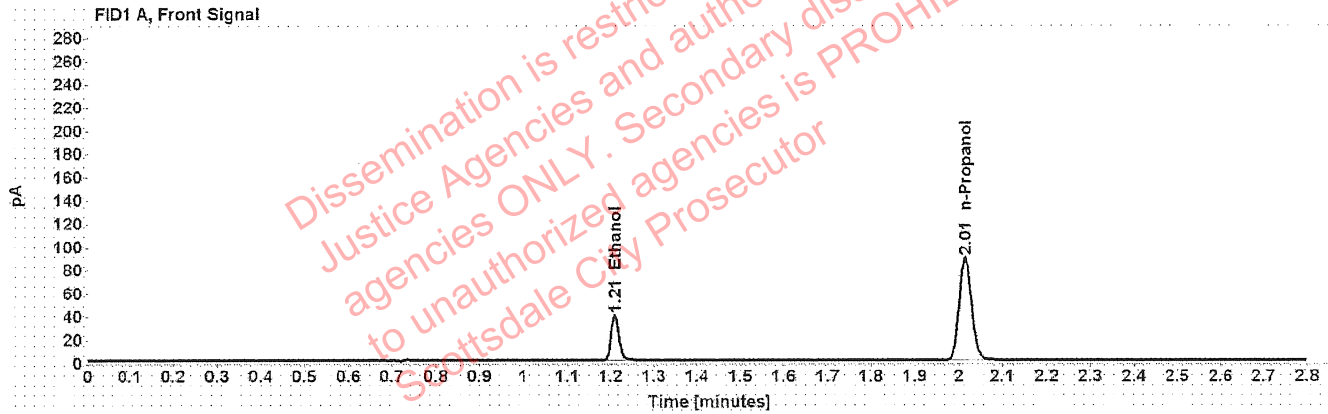


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.209	50.140
n-Propanol	-----	2.015	176.532

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

Compound	Time (min)	Peak Area
Ethanol	1.373	62.636
n-Propanol	2.466	216.669

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 04Aug20
Instrument: US14173023 CN14160045	Injection date: 8/4/2020 5:33:18 PM
Data file: C:\Chem32\1\Data\04Aug20\42.D	Analyst: Abbott

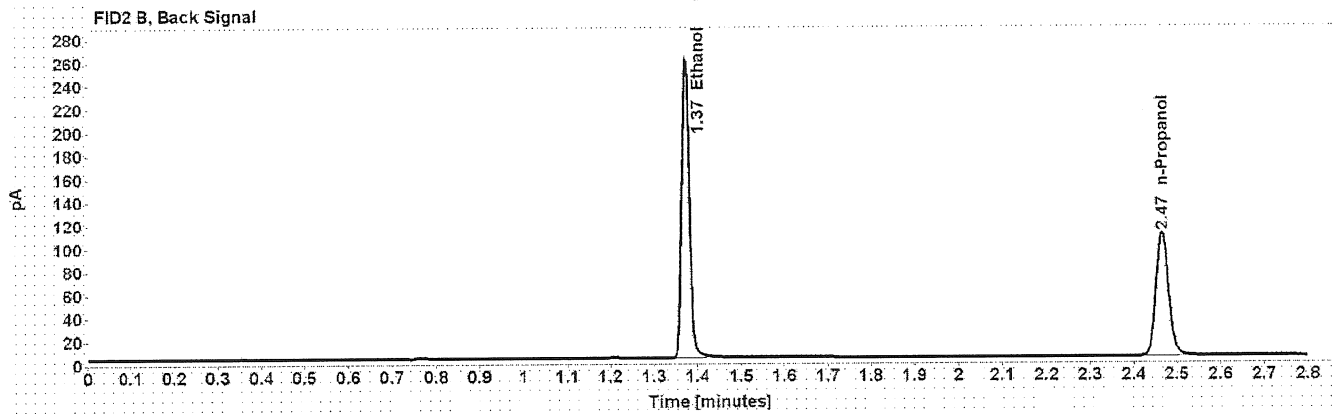
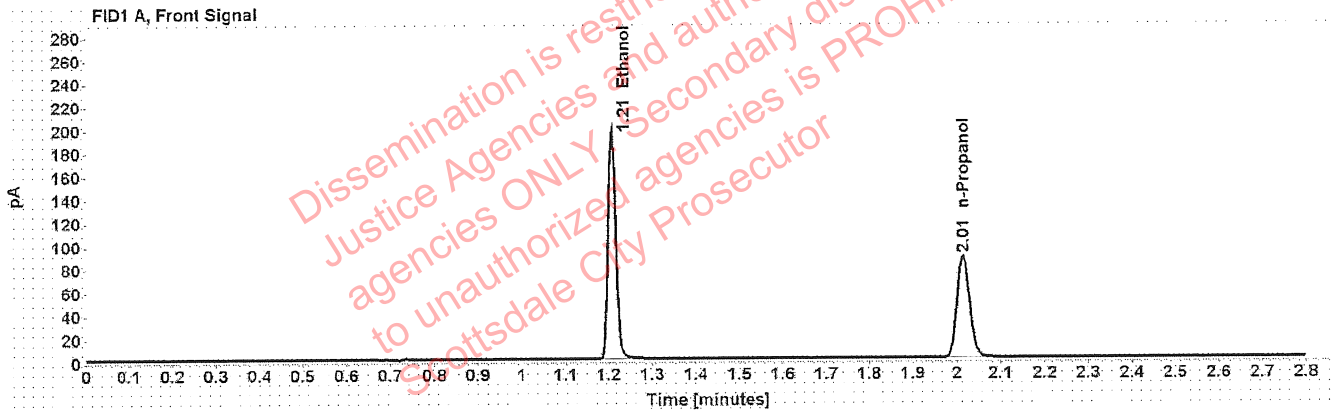


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4026	1.208	252.046
n-Propanol	-----	2.015	175.896

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

Compound	Time (min)	Peak Area
Ethanol	1.372	316.891
n-Propanol	2.466	216.477

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:37:33 PM
Data file:	C:\Chem32\1\Data\04Aug20\43.D	Analyst:	Abbott <i>Abbott</i>

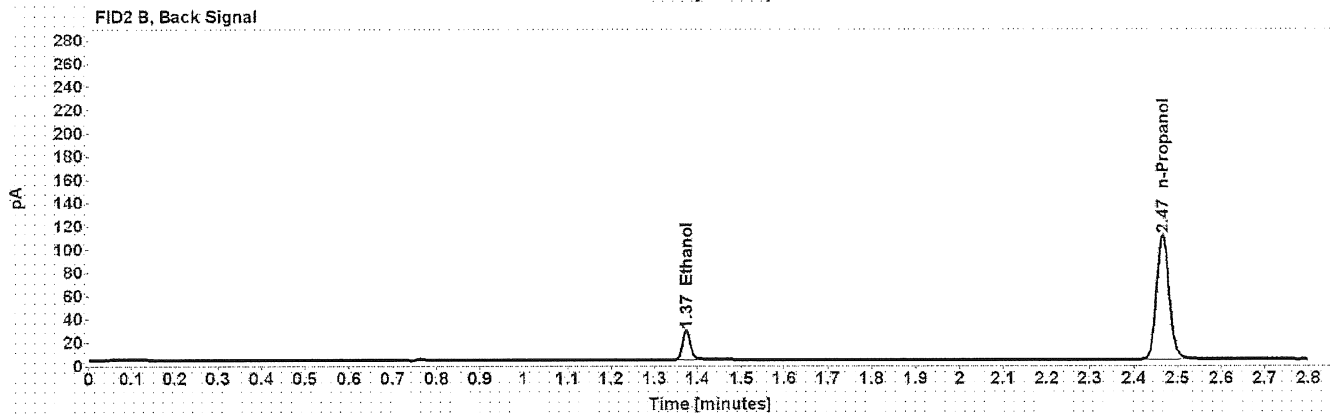


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.210	25.057
n-Propanol	-----	2.015	176.589

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

Compound	Time (min)	Peak Area
Ethanol	1.374	31.148
n-Propanol	2.466	216.638

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 44
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 04Aug20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 8/4/2020 5:41:34 PM
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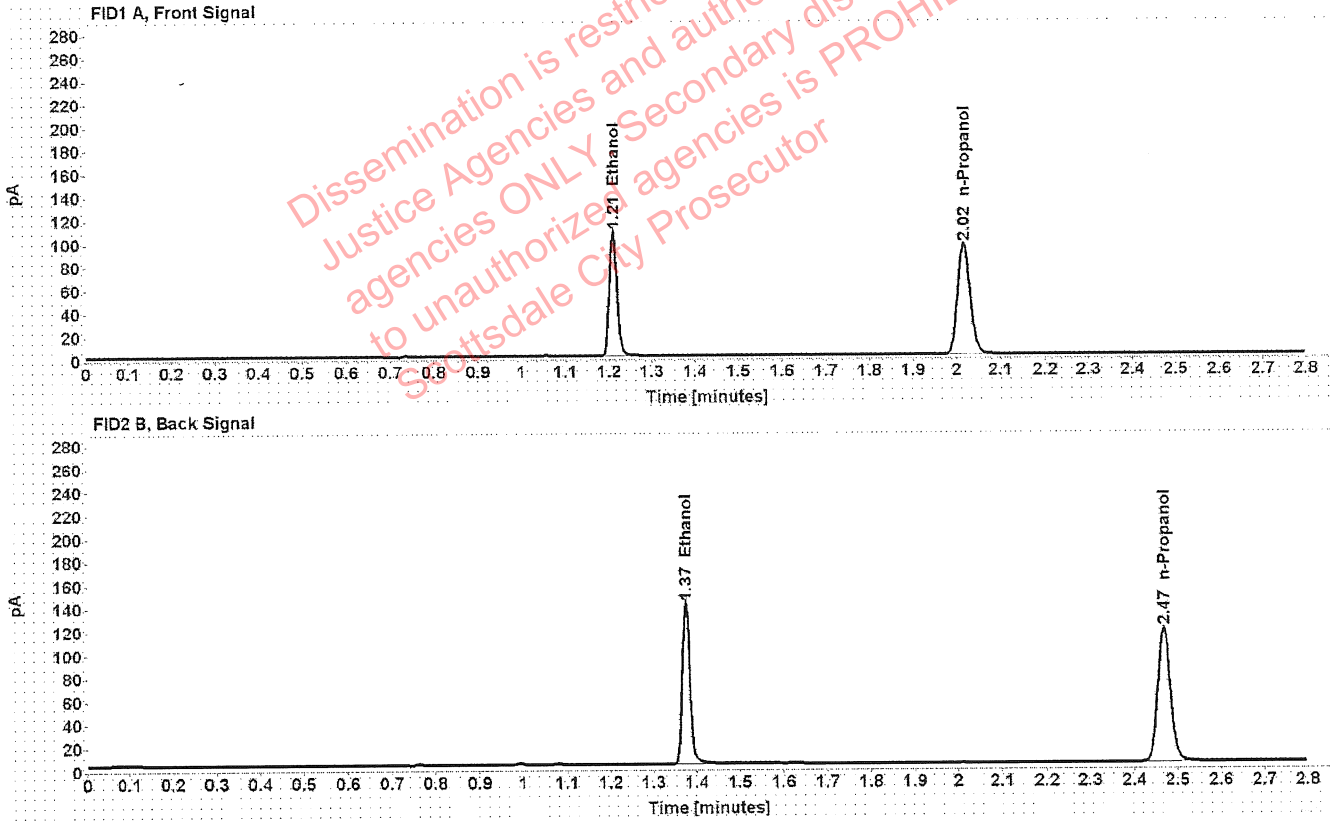


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2028	1.210	137.316
n-Propanol	-----	2.016	190.699

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

Compound	Time (min)	Peak Area
Ethanol	1.375	172.437
n-Propanol	2.468	234.651



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 040919WB	<b>Vial:</b> 45
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 04Aug20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 8/4/2020 5:45:34 PM
<b>Data file:</b> C:\Chem32\1\Data\04Aug20\45.D	<b>Analyst:</b> Abbott <i>MA</i>

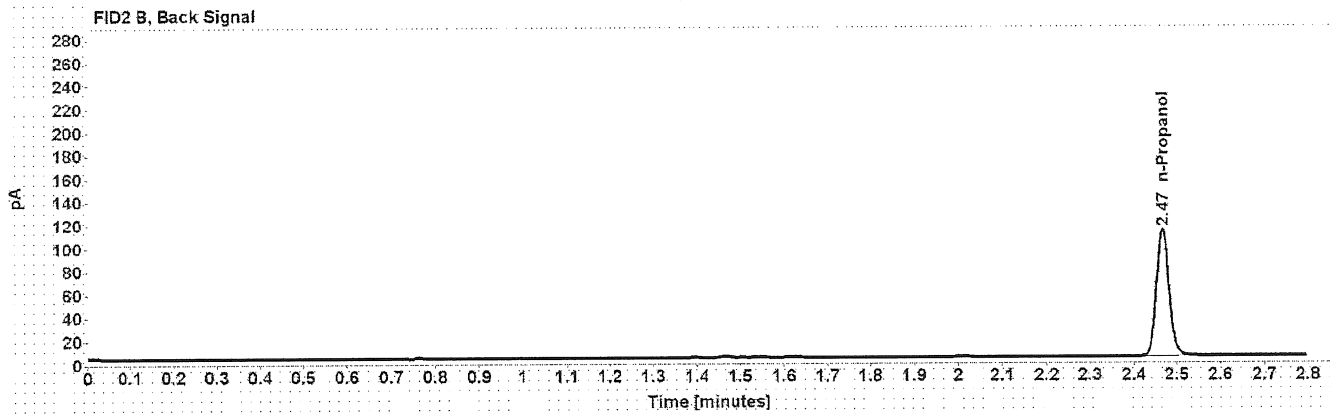
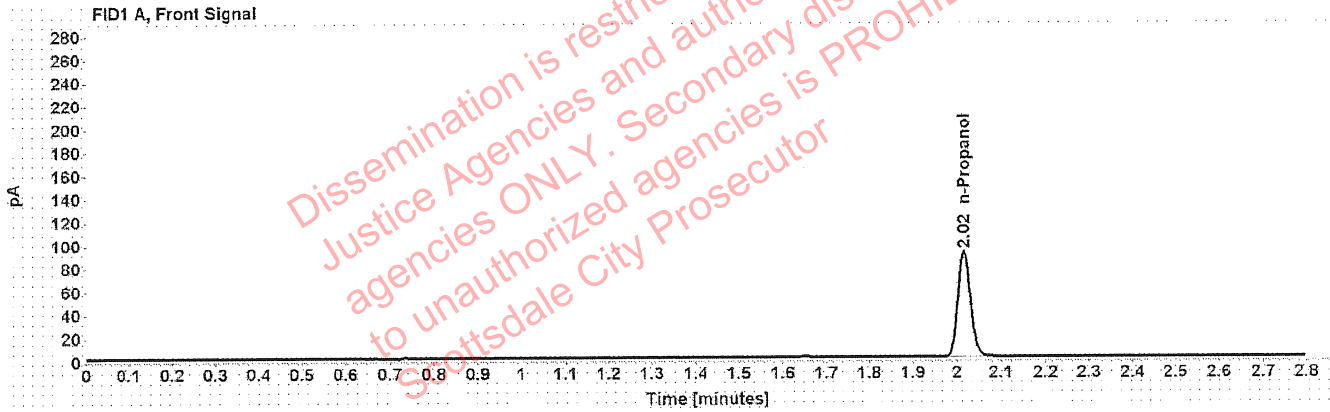


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	181.980

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	223.729


# Sequence Summary

Sequence name: 04Aug20      Instrument: US14173023 CN14160045      Analyst: Abbott

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	071420AQ	Negative	Control		ethanol quant.M
6	070819MIX	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	33601SH		Sample		ethanol quant.M
11	33601SH		Sample		ethanol quant.M
12	1329714		Sample		ethanol quant.M
13	1329714		Sample		ethanol quant.M
14	1331007		Sample		ethanol quant.M
15	1331007		Sample		ethanol quant.M
16	1331212		Sample		ethanol quant.M
17	1331212		Sample		ethanol quant.M
18	1330932		Sample		ethanol quant.M
19	1330932		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1331087		Sample		ethanol quant.M
22	1331087		Sample		ethanol quant.M
23	37401CO		Sample		ethanol quant.M
24	37401CO		Sample		ethanol quant.M
25	36601JO		Sample		ethanol quant.M
26	36601JO		Sample		ethanol quant.M
27	32701JV		Sample		ethanol quant.M
28	32701JV		Sample		ethanol quant.M
29	36001AH		Sample		ethanol quant.M
30	36001AH		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	33801GS		Sample		ethanol quant.M
33	33801GS		Sample		ethanol quant.M
34	33401CI		Sample		ethanol quant.M
35	33401CI		Sample		ethanol quant.M
36	36301NO		Sample		ethanol quant.M
37	36301NO		Sample		ethanol quant.M
38	03491HK		Sample		ethanol quant.M
39	03491HK		Sample		ethanol quant.M
40	1331245		Sample		ethanol quant.M
41	1331245		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

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 04Aug20

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1632	0.1624	0.16280	0.25	0.00040
12 13	0.1166	0.1178	0.11720	0.51	0.00060
14 15	0.0000	0.0000	0.00000	0.00	0.00000
16 17	0.2288	0.2269	0.22785	0.42	0.00095
18 19	0.2769	0.2803	0.27860	0.61	0.00170
21 22	0.2585	0.2858	0.27215	5.02	0.01365
23 24	0.1587	0.1559	0.15730	0.89	0.00140
25 26	0.2723	0.2705	0.27140	0.33	0.00090
27 28	0.2230	0.2231	0.22305	0.02	0.00005
29 30	0.2499	0.2462	0.24805	0.75	0.00185
32 33	0.2865	0.2841	0.28530	0.42	0.00120
34 35	0.1471	0.1452	0.14615	0.65	0.00095
36 37	0.1258	0.1250	0.12540	0.32	0.00040
38 39	0.0575	0.0575	0.05750	0.00	0.00000
40 41	0.1194	0.1187	0.11905	0.29	0.00035

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33601SH	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:24:03 PM
Data file:	C:\Chem32\1\Data\04Aug20\10.D	Analyst:	Abbott

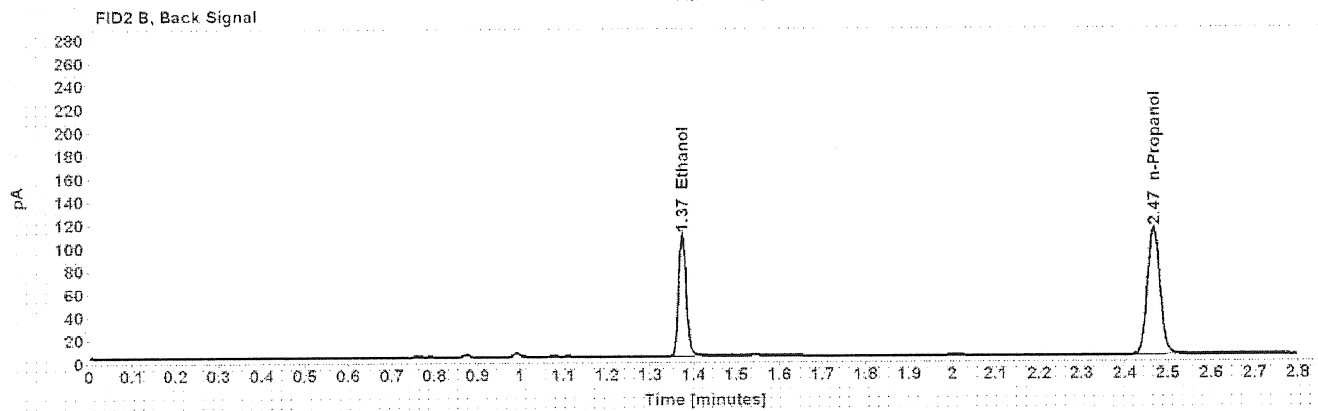
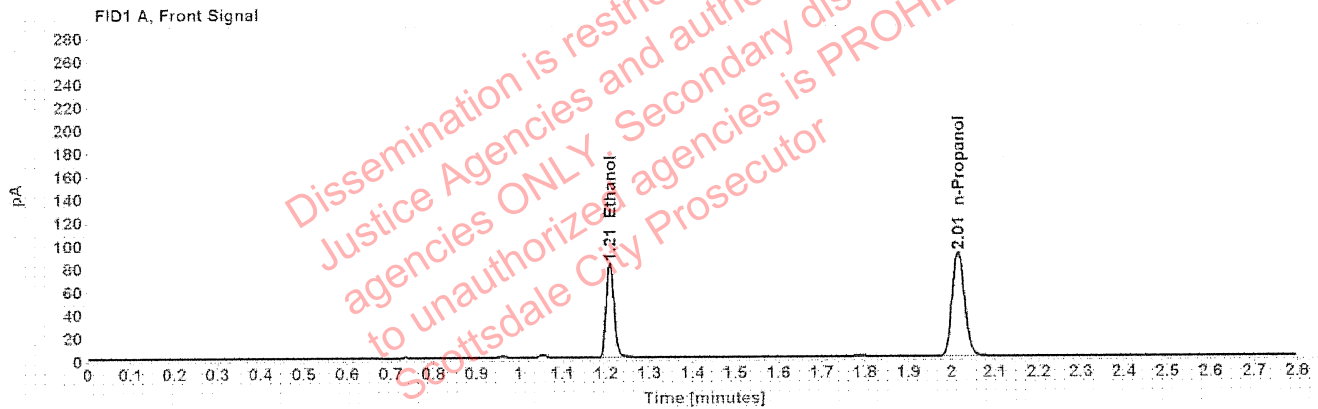


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1632	1.209	104.789
n-Propanol	-----	2.015	181.042

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

Compound	Time (min)	Peak Area
Ethanol	1.373	131.026
n-Propanol	2.466	222.997

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33601SH	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:28:04 PM
Data file:	C:\Chem32\1\Data\04Aug20\11.D	Analyst:	Abbott

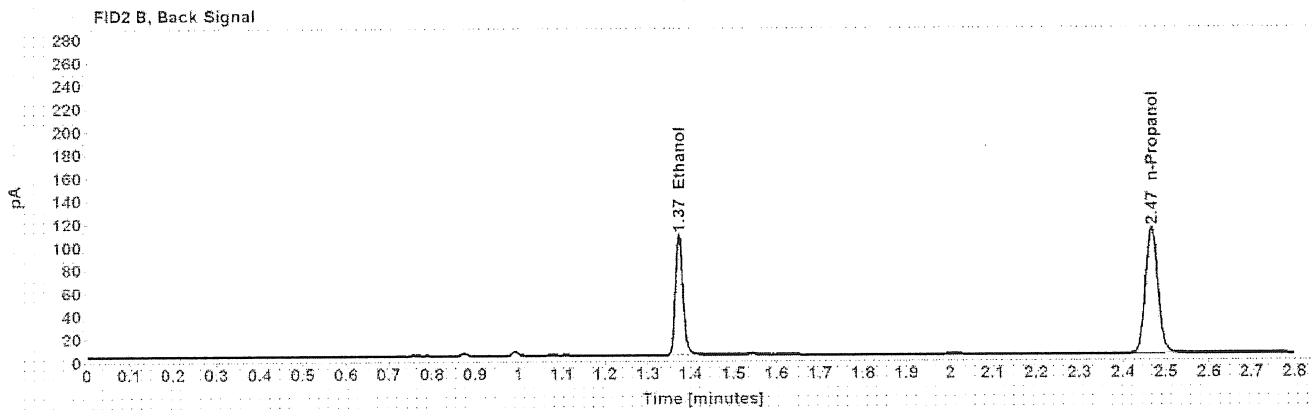
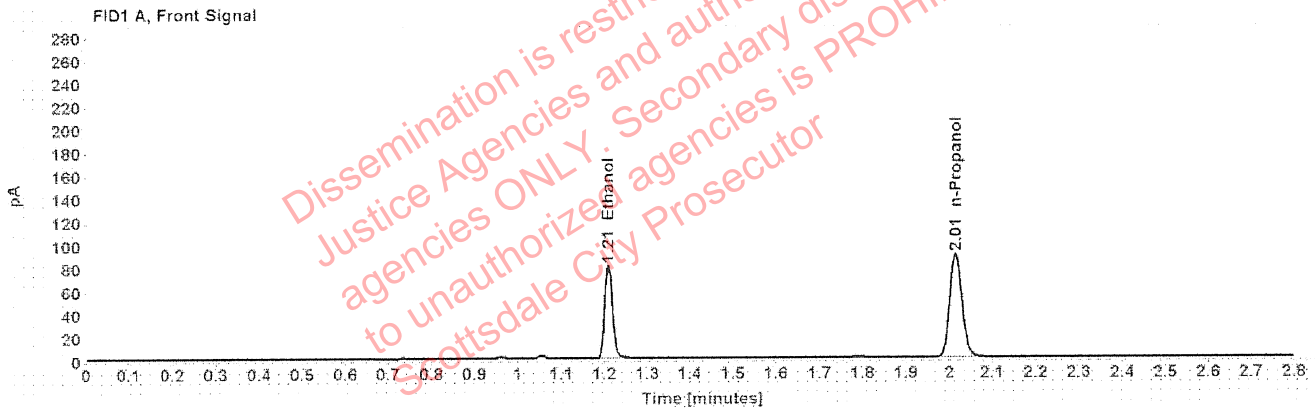


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1624	1.209	103.530
n-Propanol	-----	2.015	179.799

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

Compound	Time (min)	Peak Area
Ethanol	1.373	129.333
n-Propanol	2.466	221.466

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329714	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:32:02 PM
Data file:	C:\Chem3211\Data\04Aug20\12.D	Analyst:	Abbott

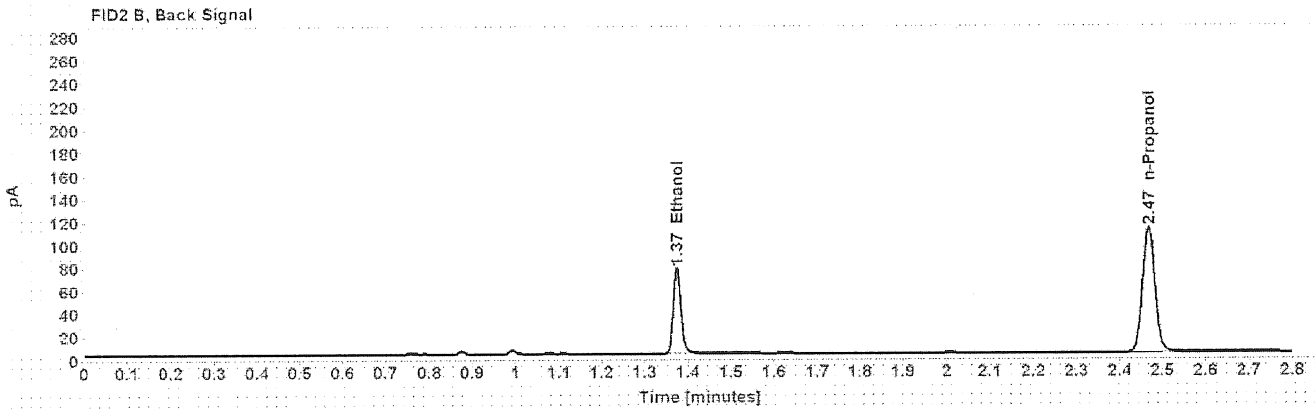
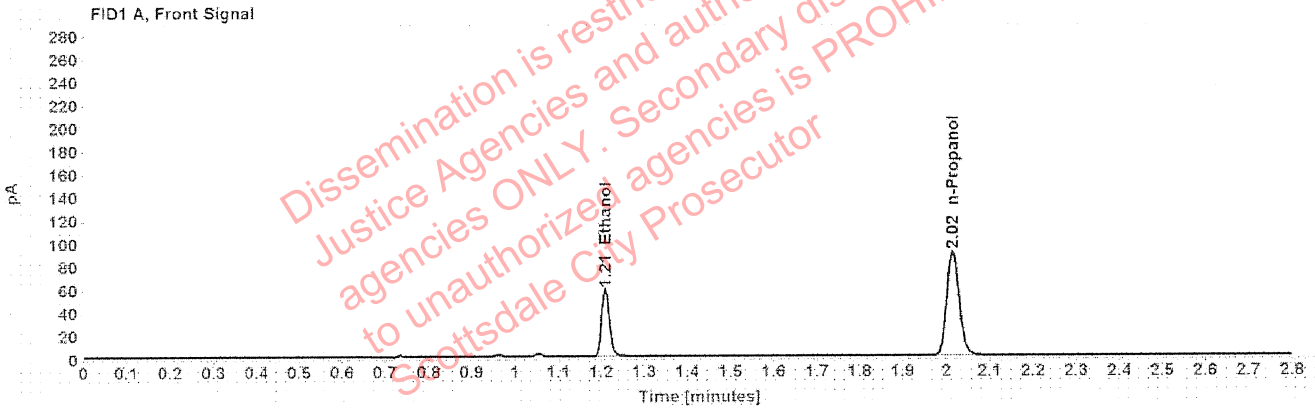


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1166	1.210	74.011
n-Propanol	-----	2.015	179.413

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

Compound	Time (min)	Peak Area
Ethanol	1.374	92.337
n-Propanol	2.467	220.921

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329714	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:36:18 PM
Data file:	C:\Chem32\1\Data\04Aug20\13.D	Analyst:	Abbott

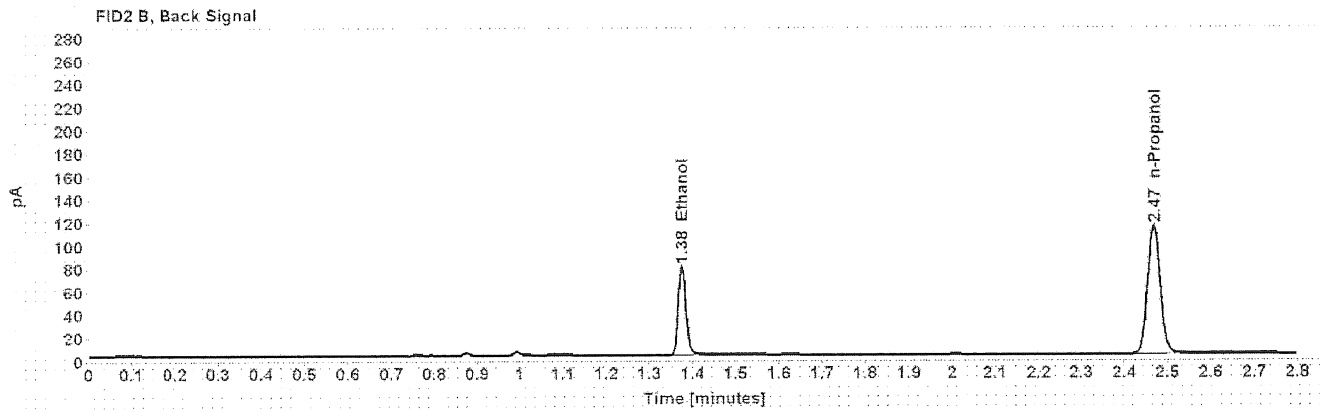
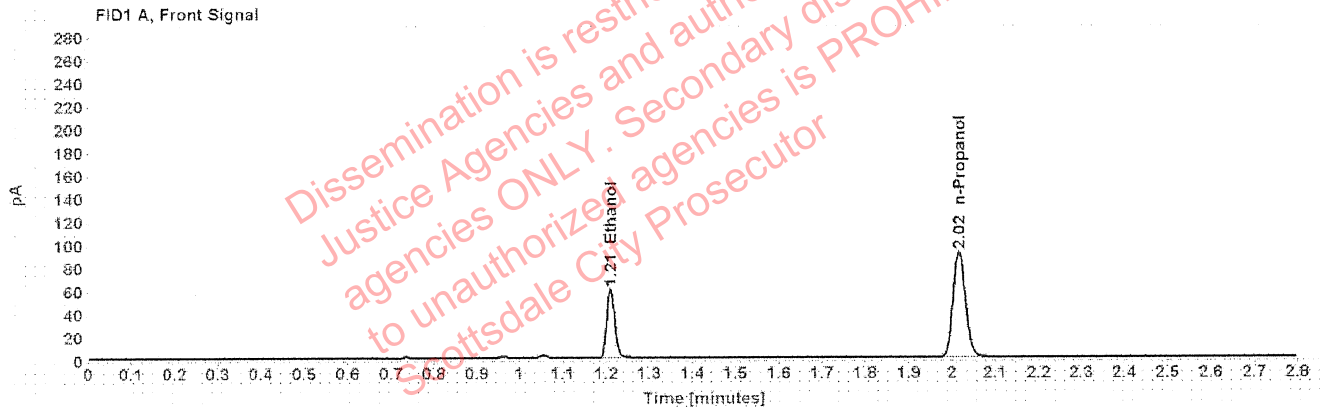


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1178	1.210	76.583
n-Propanol	-----	2.016	183.668

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

Compound	Time (min)	Peak Area
Ethanol	1.375	95.401
n-Propanol	2.468	225.827



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331007	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:40:18 PM
Data file:	C:\Chem32\1\Data\04Aug20\14.D	Analyst:	Abbott

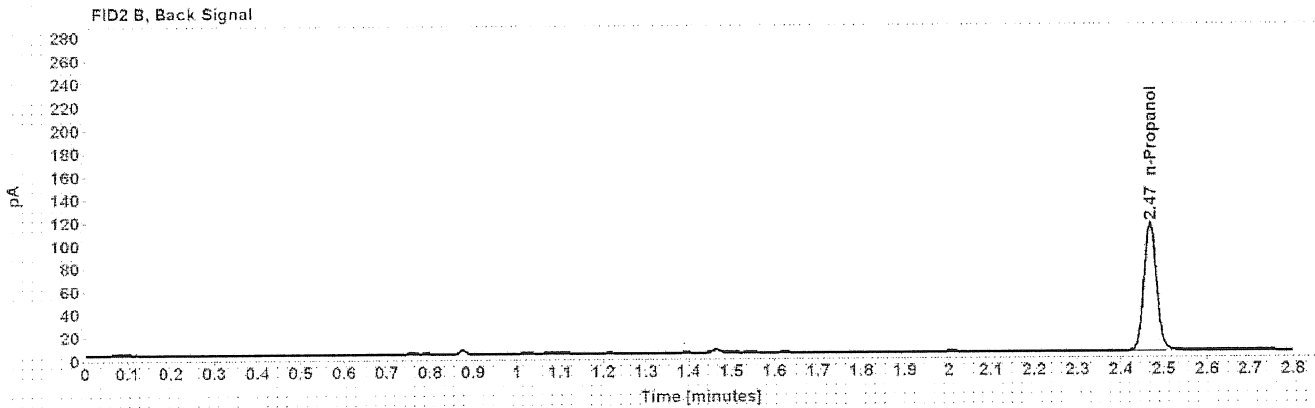
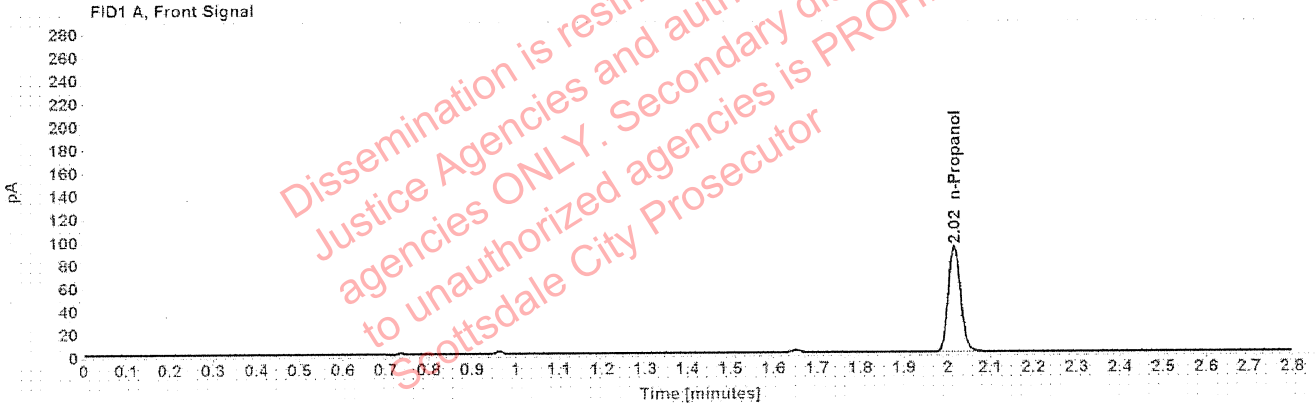


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	183.593

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	226.048

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331007	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:44:19 PM
Data file:	C:\Chem321\1\Data\04Aug20\15.D	Analyst:	Abbott

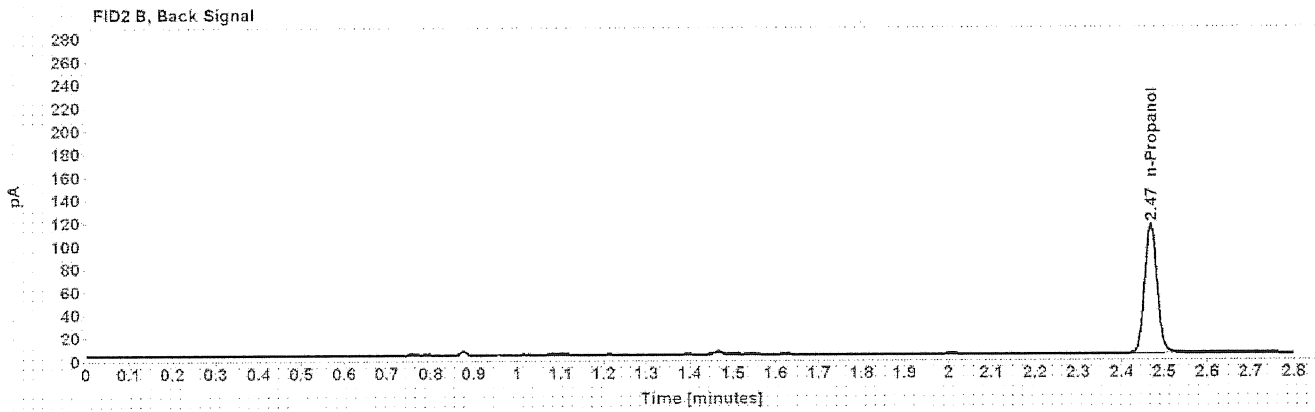
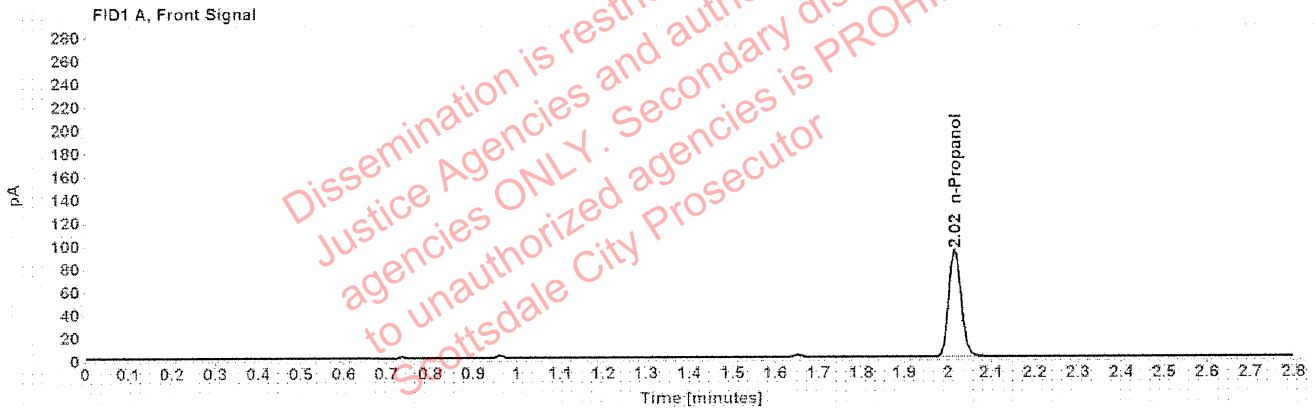


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	185.437

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	228.230

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331212	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:48:17 PM
Data file:	C:\Chem32\1\Data\04Aug20\16.D	Analyst:	Abbott

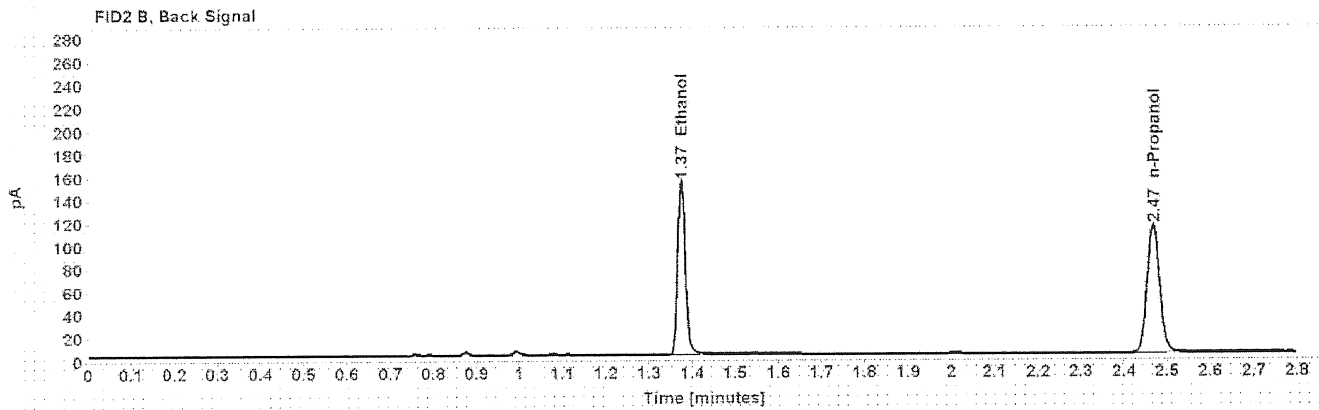
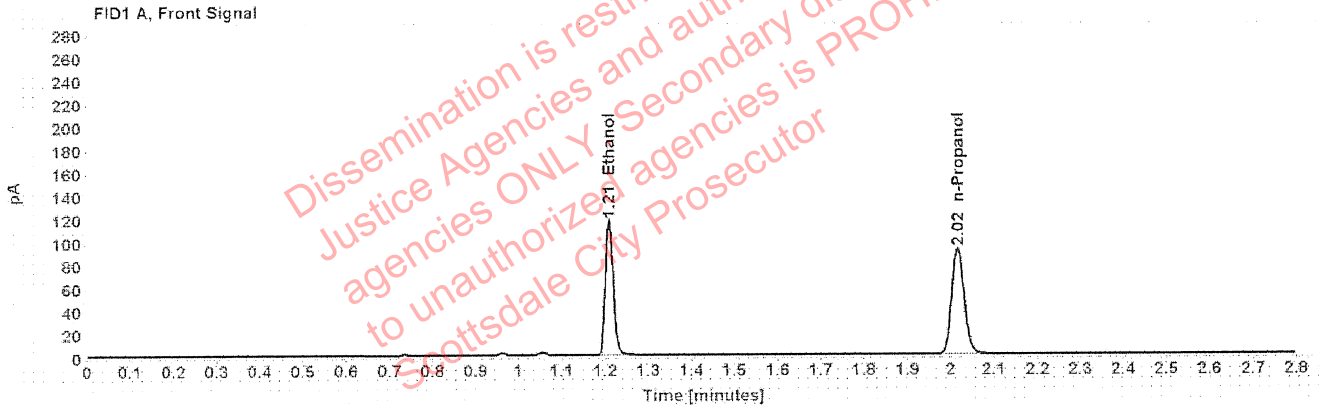


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2288	1.210	149.459
n-Propanol	-----	2.016	183.878

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

Compound	Time (min)	Peak Area
Ethanol	1.375	187.643
n-Propanol	2.468	225.975

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331212	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:52:18 PM
Data file:	C:\Chem32\1\Data\04Aug20\17.D	Analyst:	Abbott

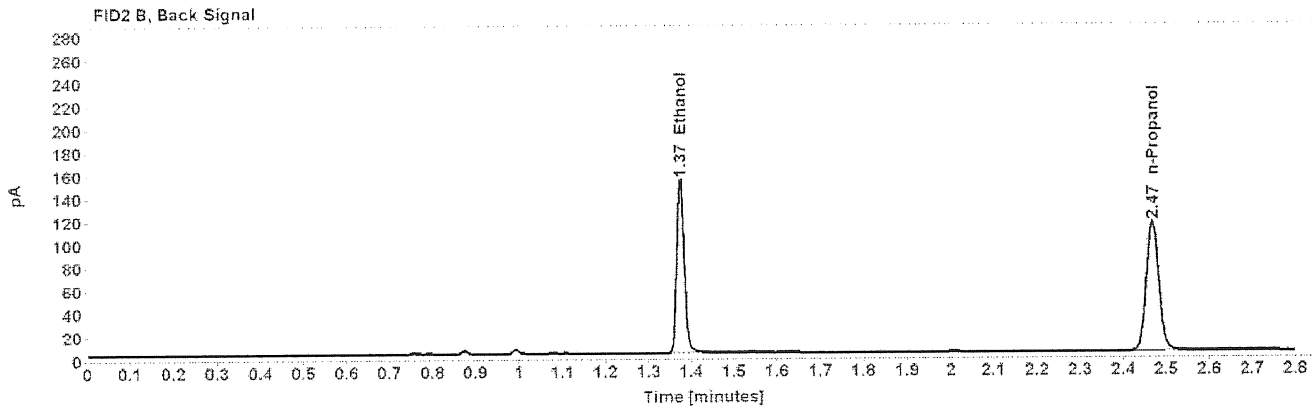
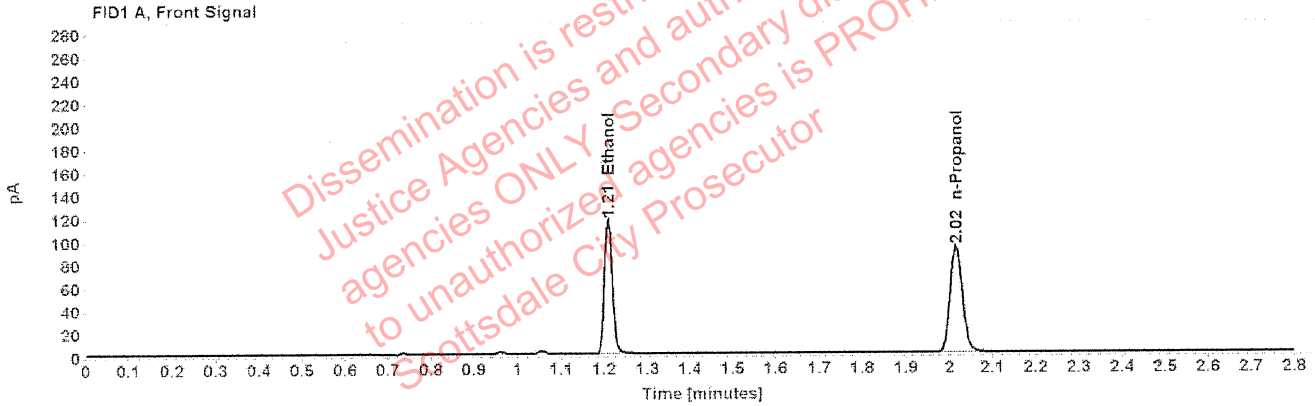


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2269	1.209	148.832
n-Propanol	-----	2.016	184.673

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

Compound	Time (min)	Peak Area
Ethanol	1.374	186.854
n-Propanol	2.467	226.991

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330932	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 3:56:18 PM
Data file:	C:\Chem321\Data\04Aug20\18.D	Analyst:	Abbott

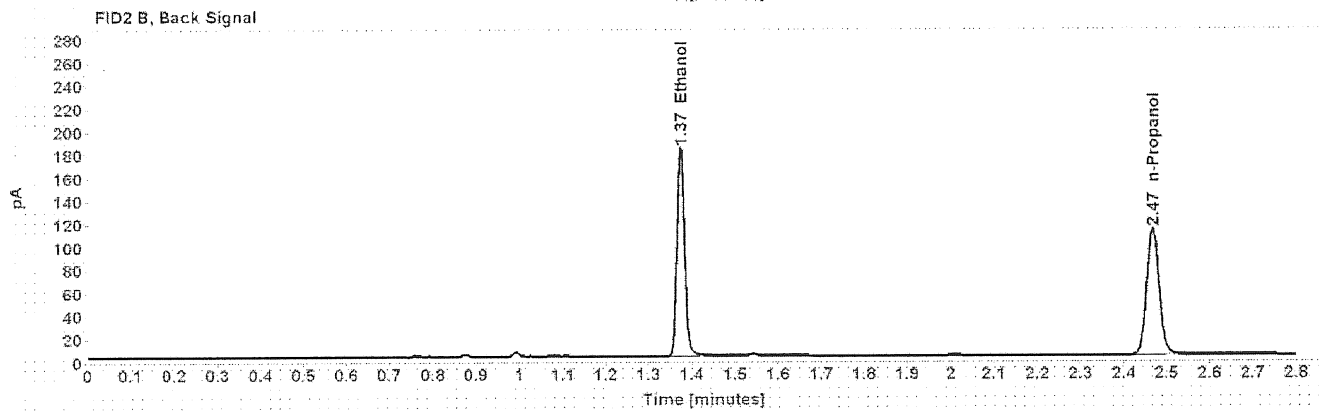
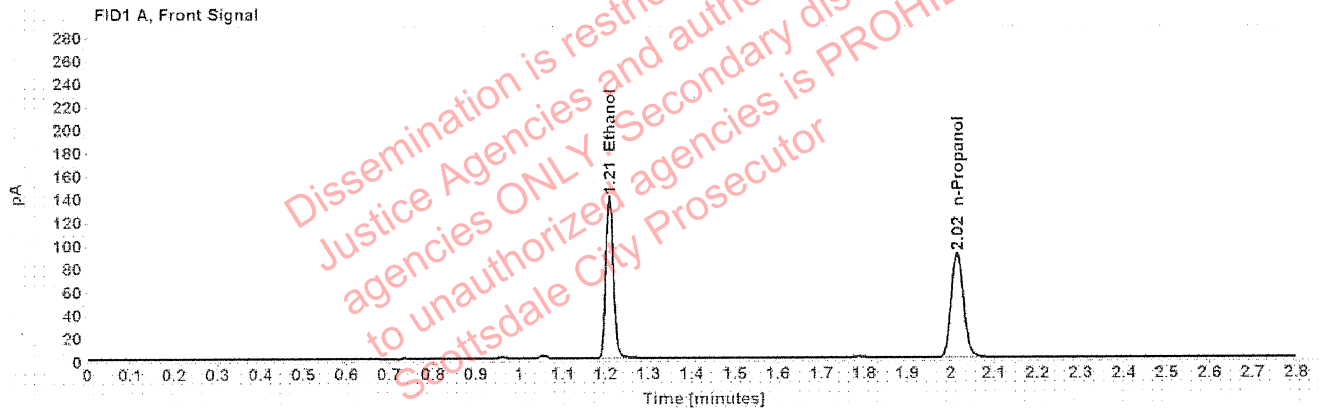


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2769	1.209	178.428
n-Propanol	-----	2.016	181.239

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

Compound	Time (min)	Peak Area
Ethanol	1.374	224.143
n-Propanol	2.467	222.685

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330932	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:00:34 PM
Data file:	C:\Chem32\1\Data\04Aug20\19.D	Analyst:	Abbott

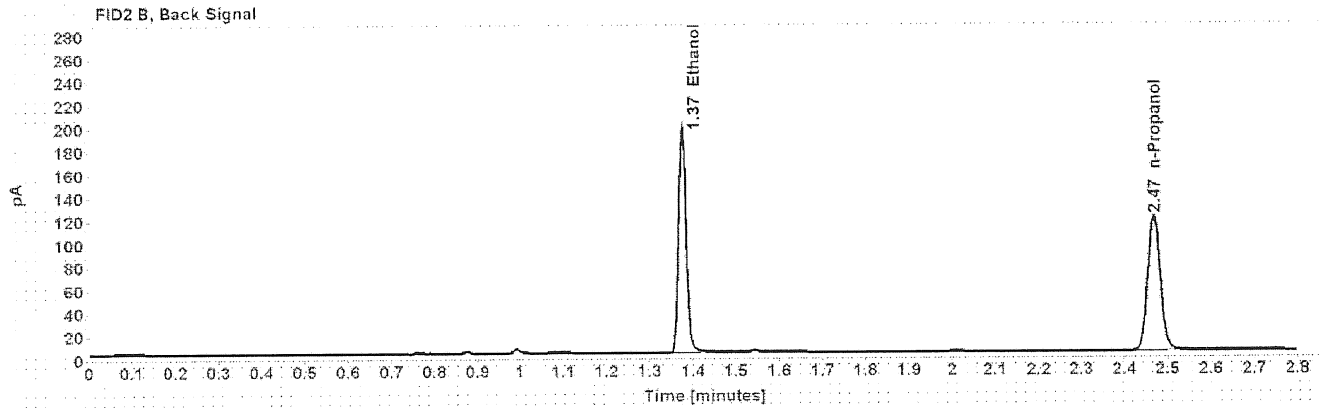
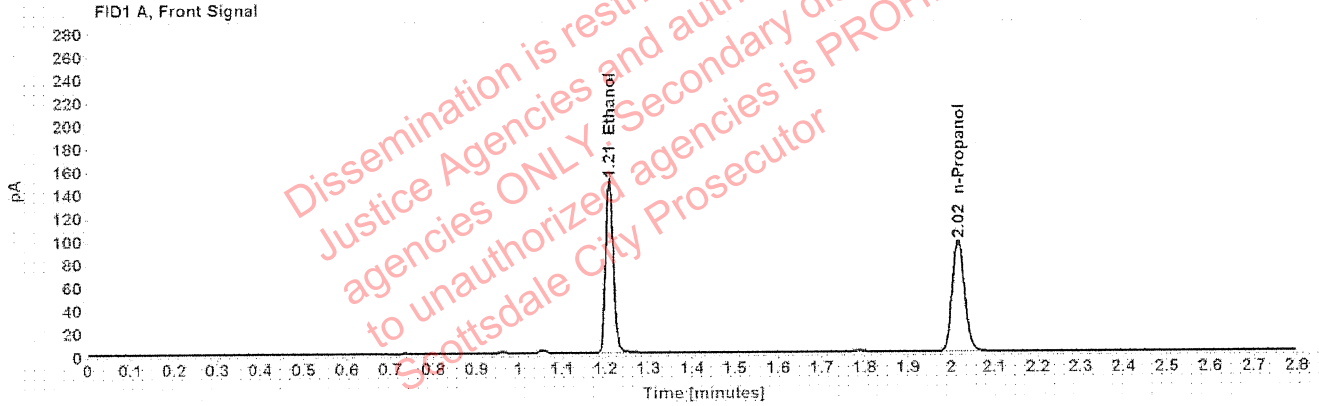


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2803	1.210	191.648
n-Propanol	-----	2.016	192.330

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

Compound	Time (min)	Peak Area
Ethanol	1.375	240.543
n-Propanol	2.468	236.503

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331087	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:08:36 PM
Data file:	C:\Chem32\1\Data\04Aug20\21.D	Analyst:	Abbott

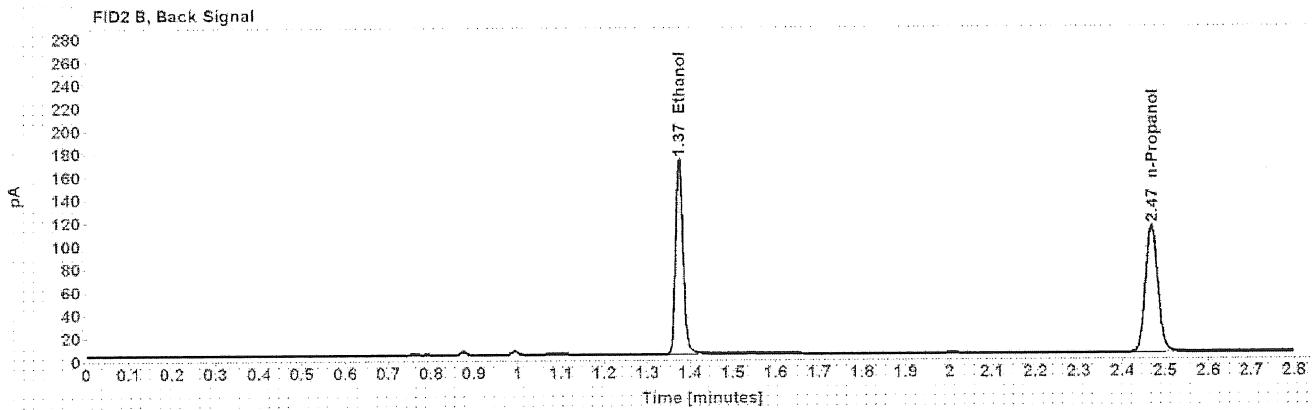
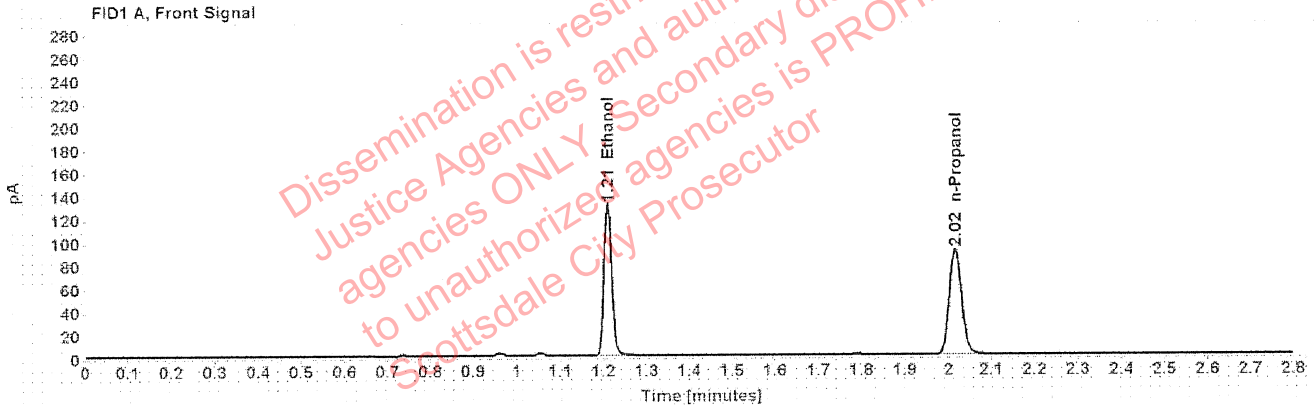


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2585	1.210	167.470
n-Propanol	-----	2.016	182.269

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

Compound	Time (min)	Peak Area
Ethanol	1.375	210.074
n-Propanol	2.468	223.967

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331087	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:12:33 PM
Data file:	C:\Chem32\1\Data\04Aug20\22.D	Analyst:	Abbott

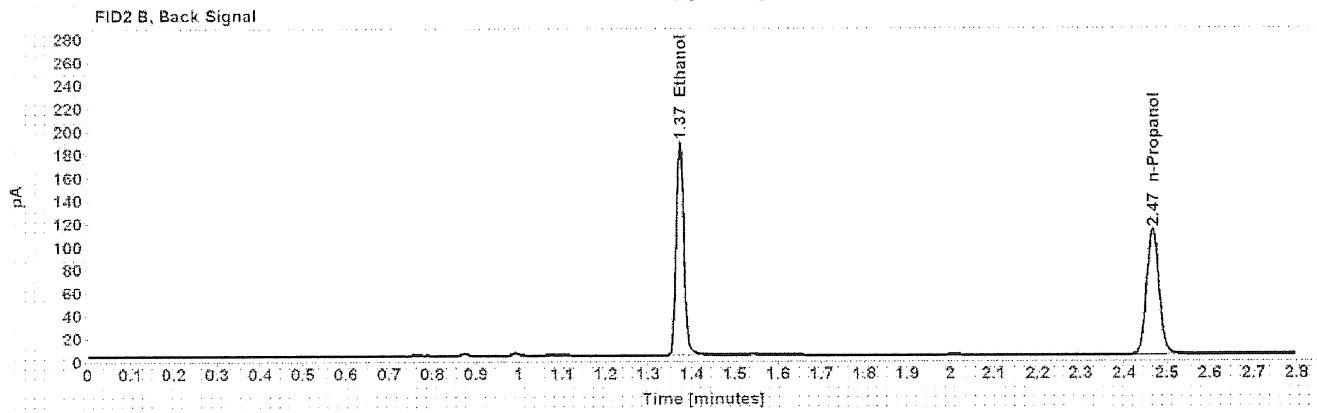
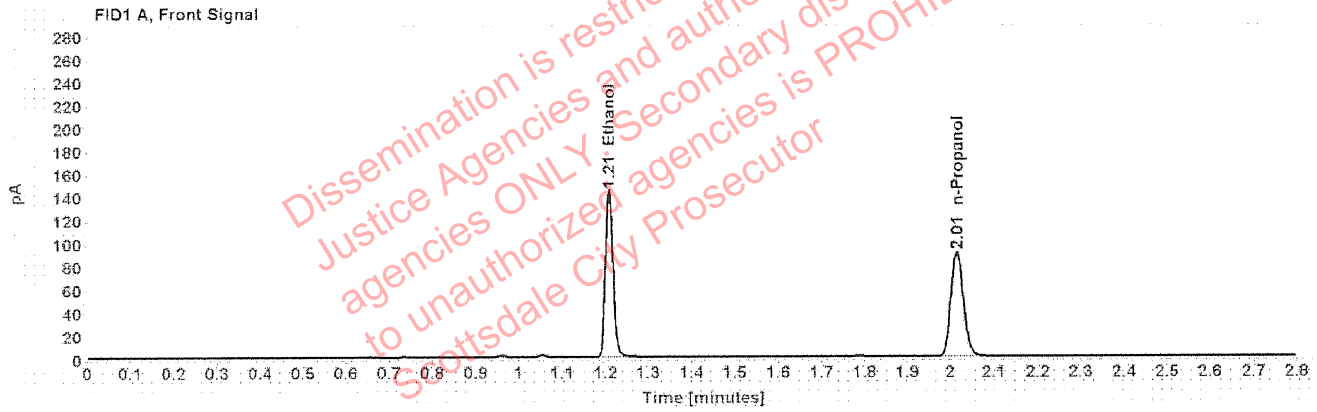


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2858	1.208	183.320
n-Propanol	-----	2.015	180.417

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

Compound	Time (min)	Peak Area
Ethanol	1.372	229.843
n-Propanol	2.466	221.738



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401CO	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:16:33 PM
Data file:	C:\Chem32\1\Data\04Aug20\23.D	Analyst:	Abbott

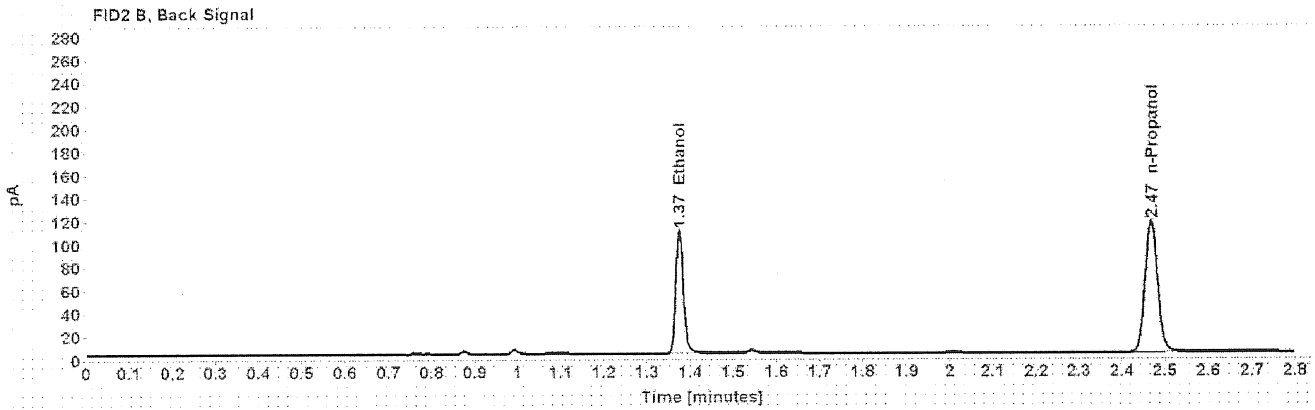
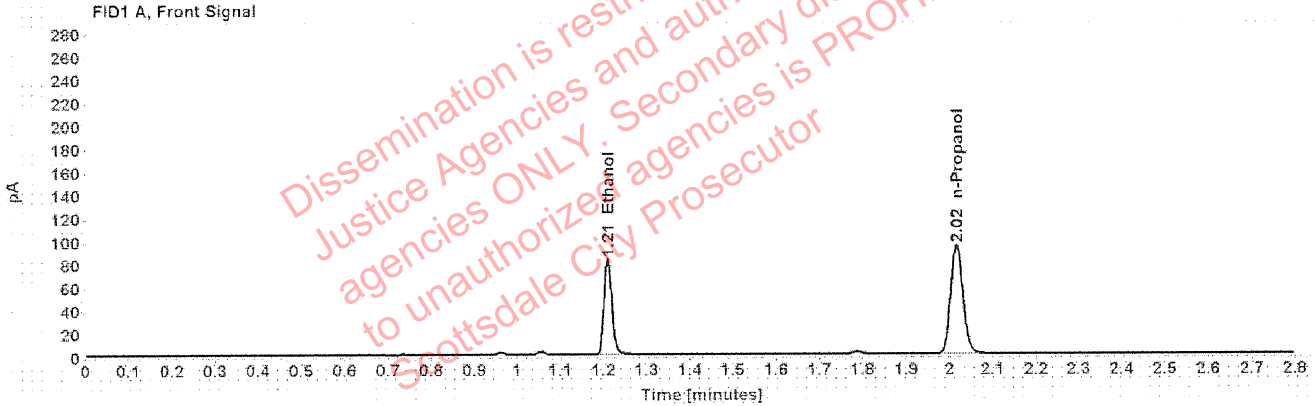


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1587	1.210	105.890
n-Propanol	-----	2.016	188.116

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

Compound	Time (min)	Peak Area
Ethanol	1.375	132.636
n-Propanol	2.468	231.031

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401CO	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:20:33 PM
Data file:	C:\Chem32\1\Data\04Aug20\24.D	Analyst:	Abbott

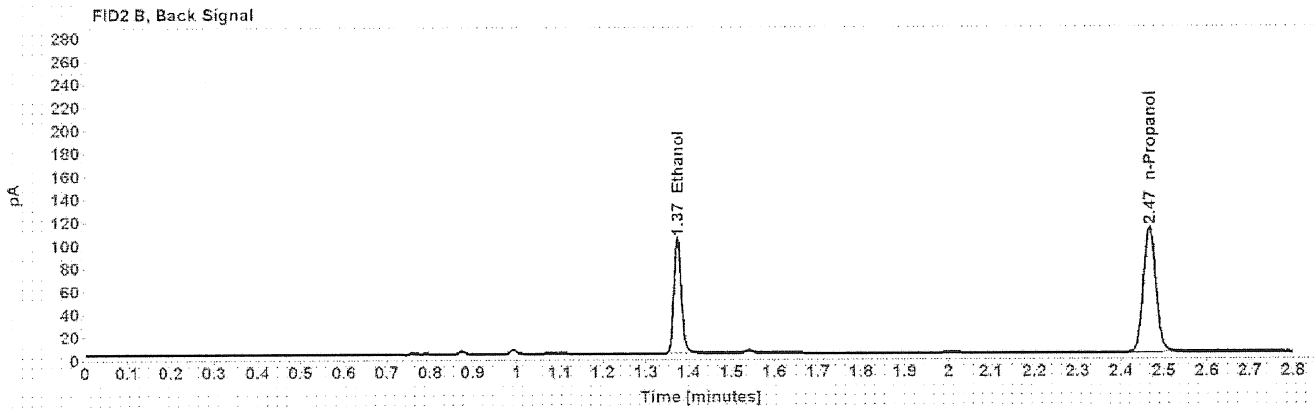
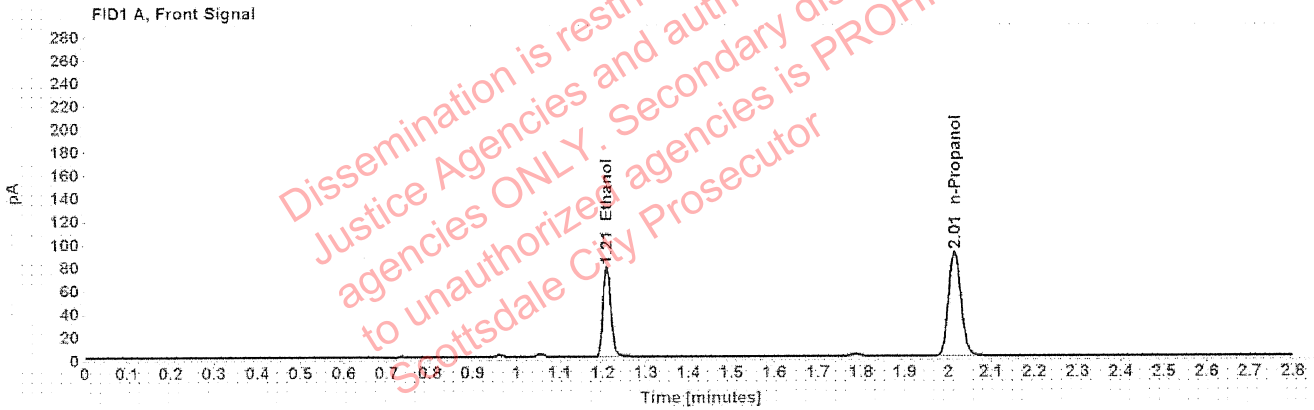


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1559	1.209	99.679
n-Propanol	-----	2.015	180.300

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

Compound	Time (min)	Peak Area
Ethanol	1.373	124.350
n-Propanol	2.466	221.670

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36601JO	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:24:48 PM
Data file:	C:\Chem32\1\Data\04Aug20\25.D	Analyst:	Abbott

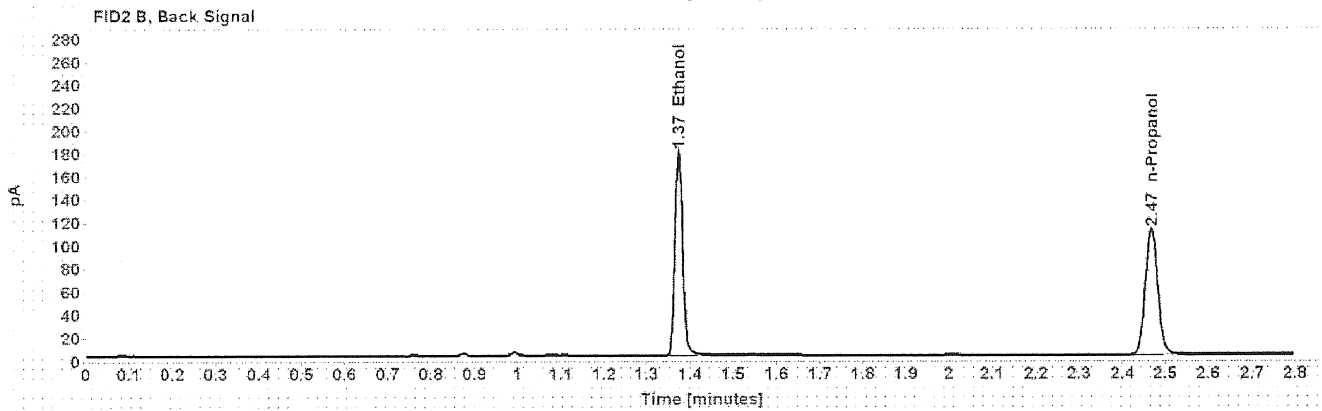
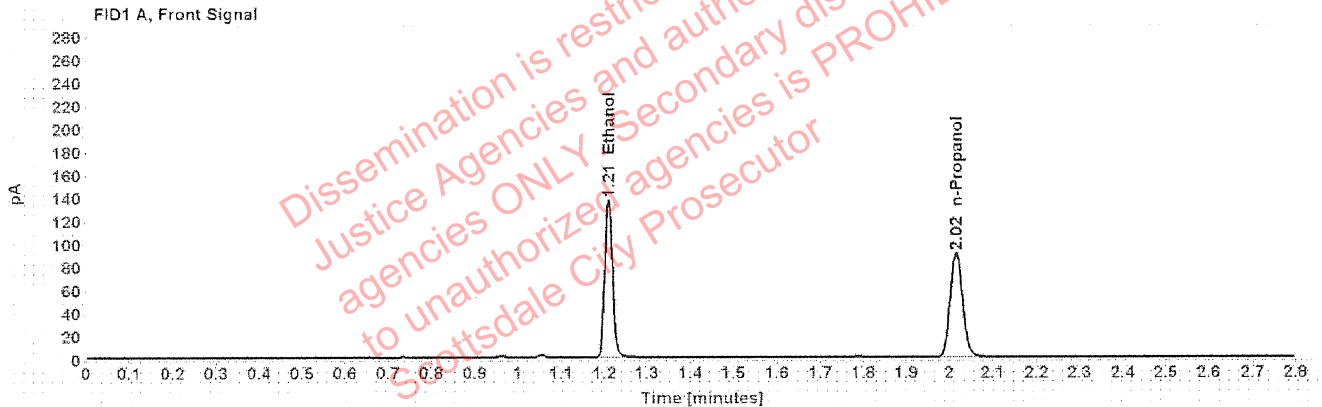


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2723	1.209	175.175
n-Propanol	-----	2.015	180.938

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

Compound	Time (min)	Peak Area
Ethanol	1.374	219.812
n-Propanol	2.467	222.135

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36601JO	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:28:49 PM
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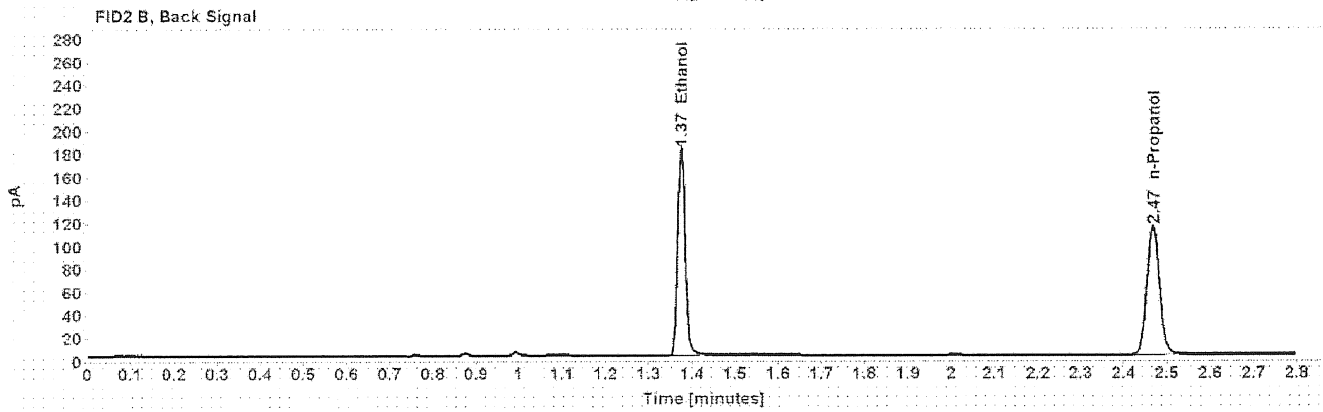
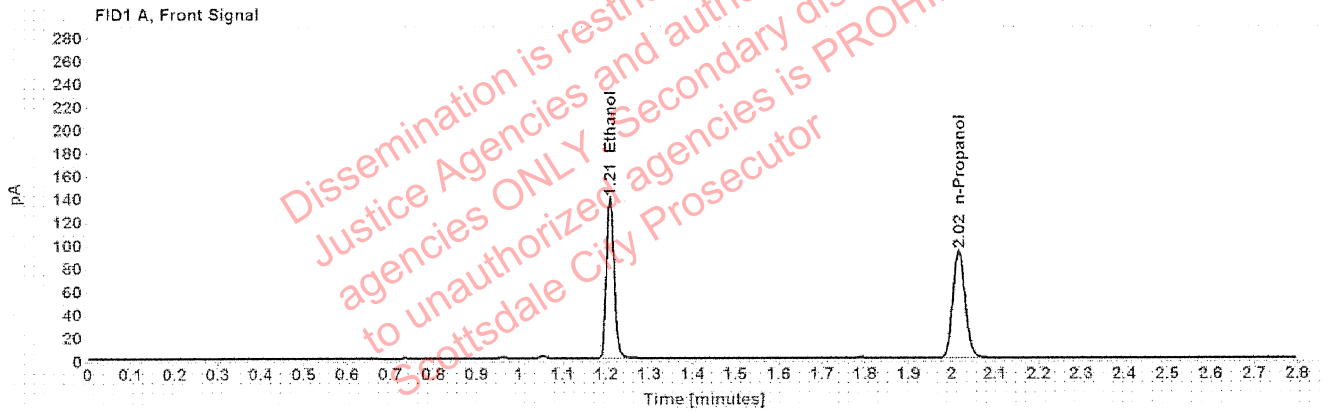


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2705	1.210	177.634
n-Propanol	-----	2.016	184.737

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

Compound	Time (min)	Peak Area
Ethanol	1.375	223.001
n-Propanol	2.468	226.942

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JV	Vial:	27
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:32:50 PM
Data file:	C:\Chem32\1\Data\04Aug20\27.D	Analyst:	Abbott

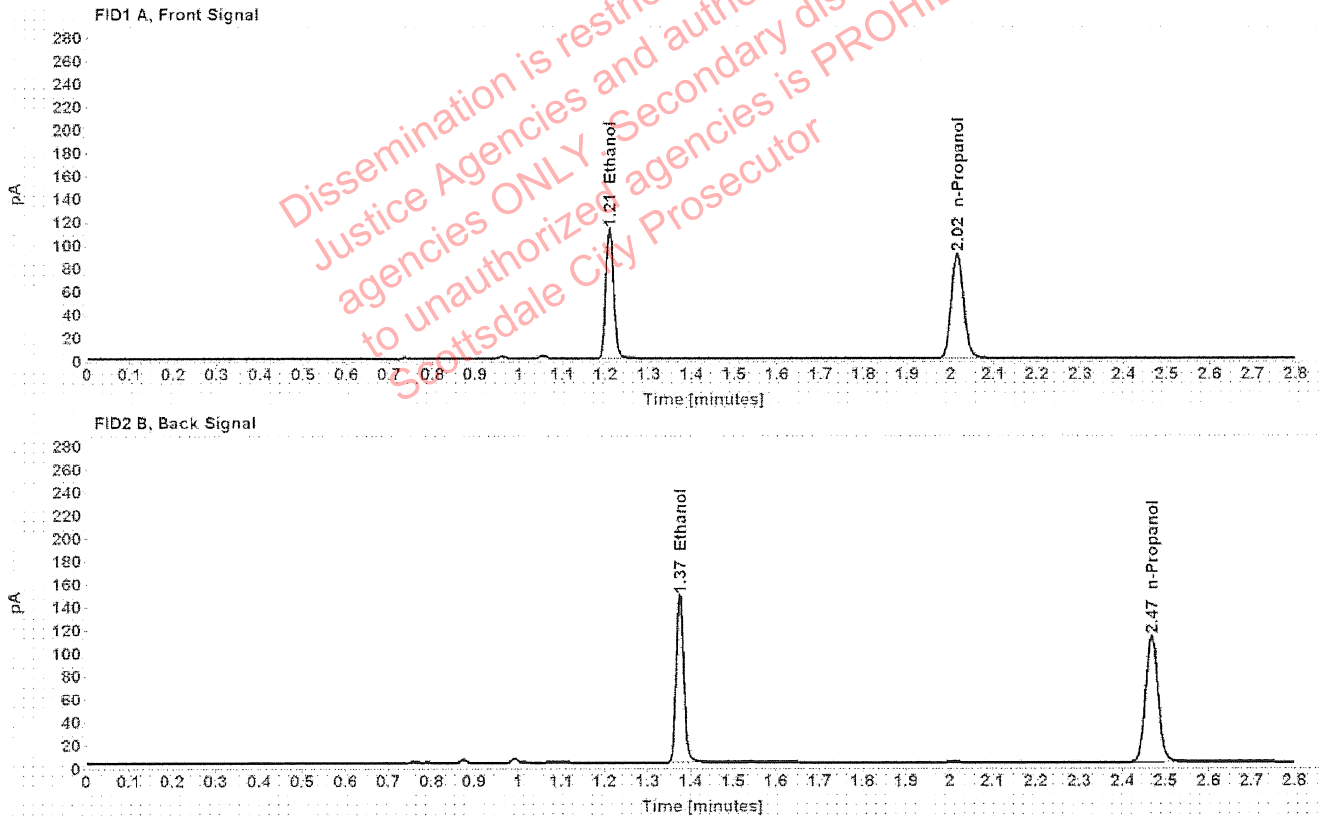


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2230	1.209	143.640
n-Propanol	-----	2.016	181.356

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

Compound	Time (min)	Peak Area
Ethanol	1.374	179.740
n-Propanol	2.467	223.032

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JV	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:36:48 PM
Data file:	C:\Chem32\1\Data\04Aug20\28.D	Analyst:	Abbott

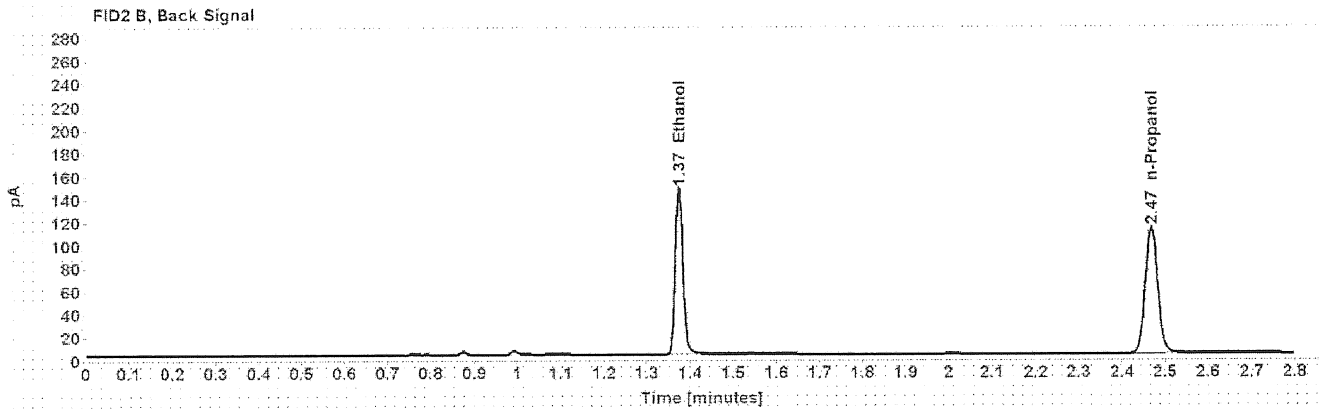
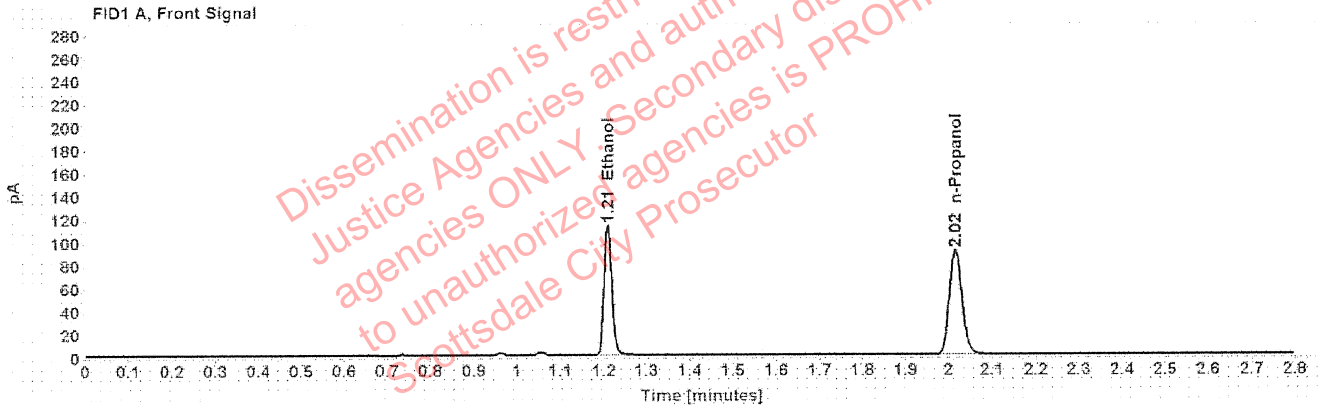


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2231	1.209	143.647
n-Propanol	-----	2.016	181.285

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

Compound	Time (min)	Peak Area
Ethanol	1.374	180.198
n-Propanol	2.467	223.040

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36001AH	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:40:48 PM
Data file:	C:\Chem32\1\Data\04Aug20\29.D	Analyst:	Abbott

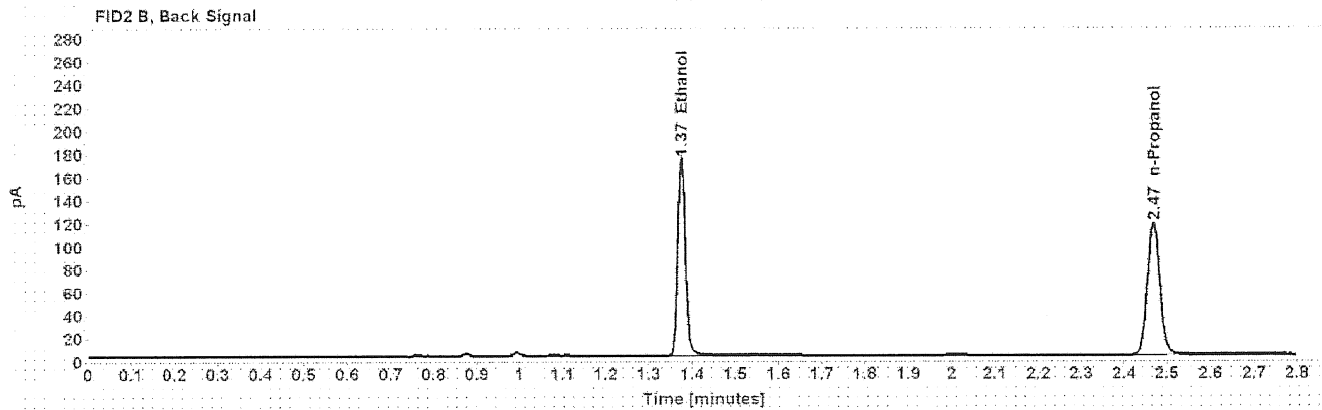
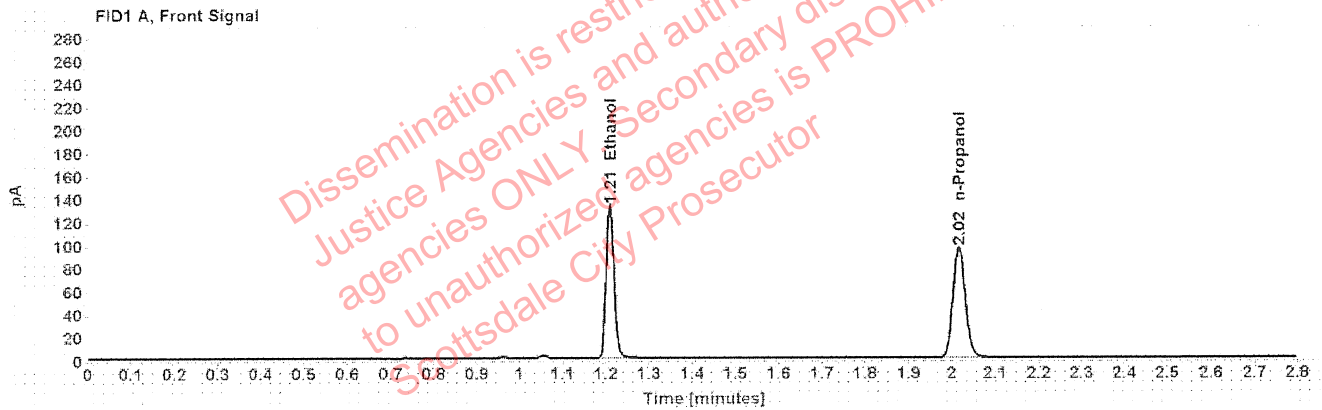


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2499	1.210	168.941
n-Propanol	-----	2.016	190.253

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

Compound	Time (min)	Peak Area
Ethanol	1.375	213.068
n-Propanol	2.468	234.077

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36001AH	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:44:48 PM
Data file:	C:\Chem32\1\Data\04Aug20\30.D	Analyst:	Abbott

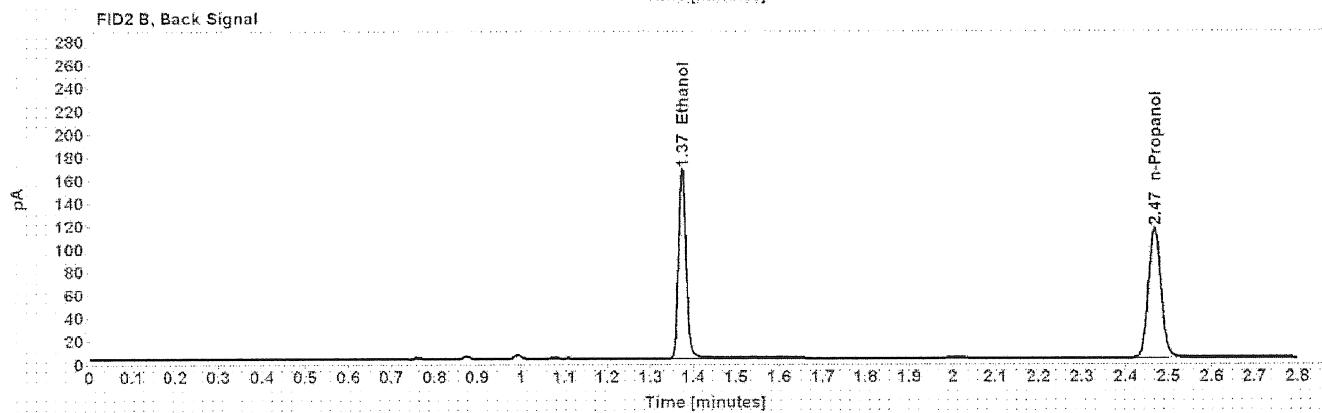
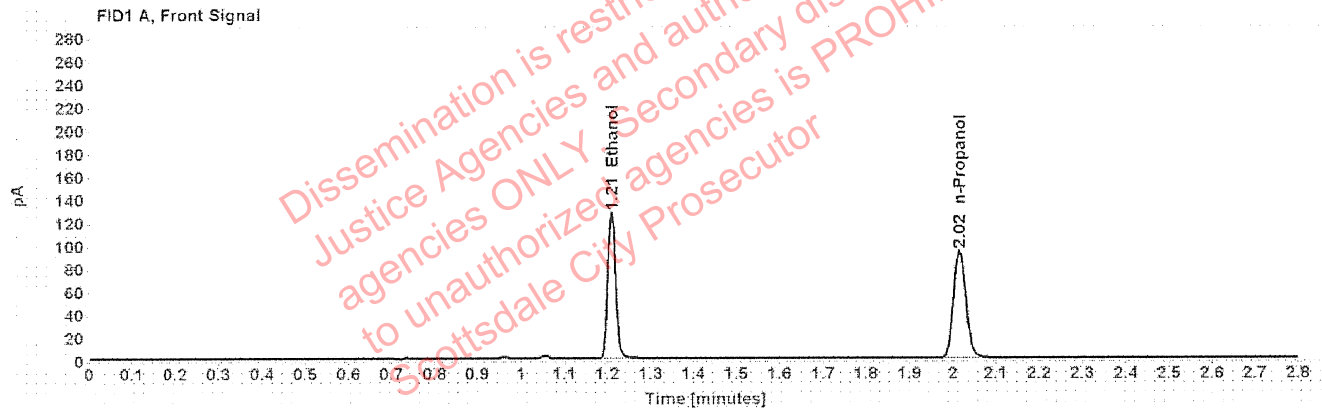


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2462	1.209	162.687
n-Propanol	-----	2.015	185.924

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

Compound	Time (min)	Peak Area
Ethanol	1.374	205.180
n-Propanol	2.467	228.883



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33801GS	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:53:03 PM
Data file:	C:\Chem32\1\Data\04Aug20\32.D	Analyst:	Abbott

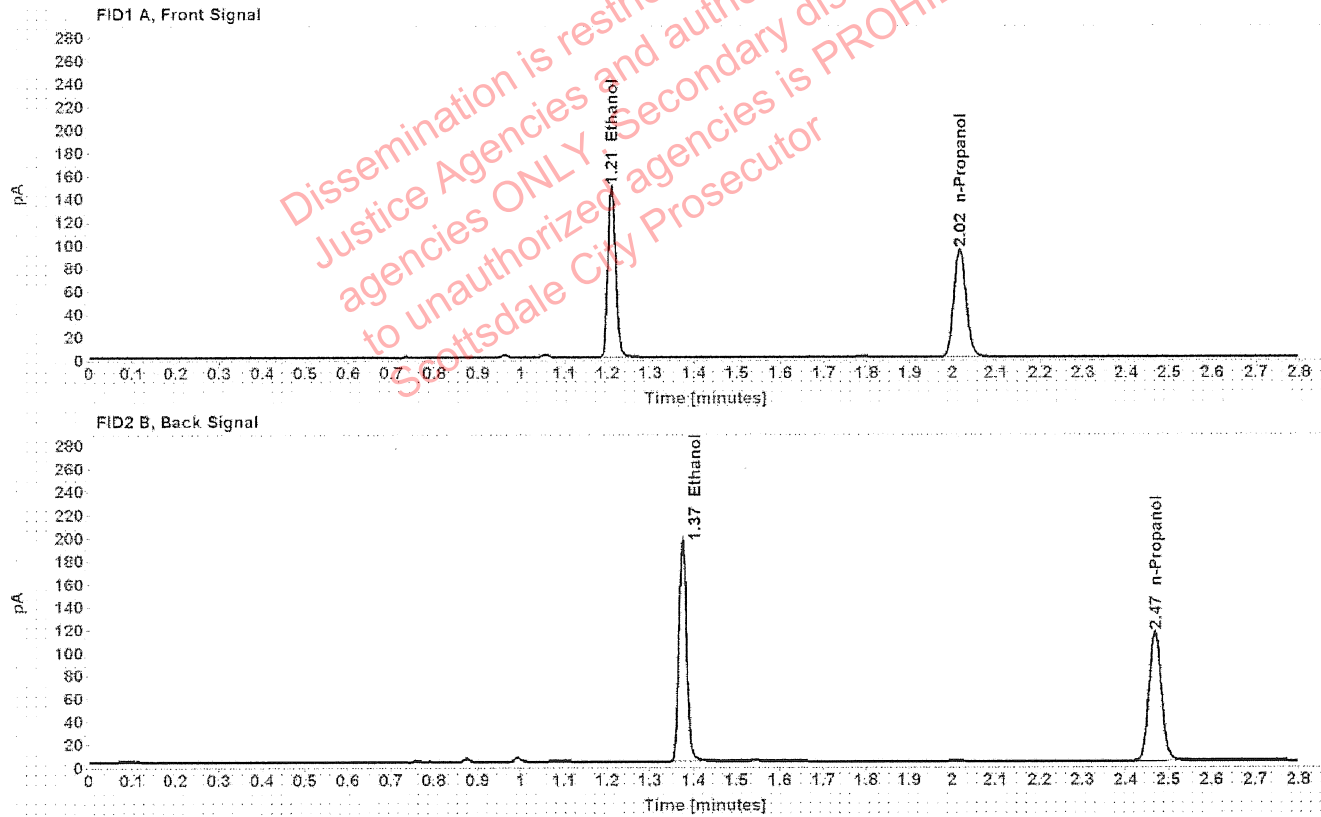


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2865	1.210	189.845
n-Propanol	-----	2.016	186.368

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

Compound	Time (min)	Peak Area
Ethanol	1.375	238.270
n-Propanol	2.468	228.837

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33801GS	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 4:57:04 PM
Data file:	C:\Chem32\1\Data\04Aug20\33.D	Analyst:	Abbott

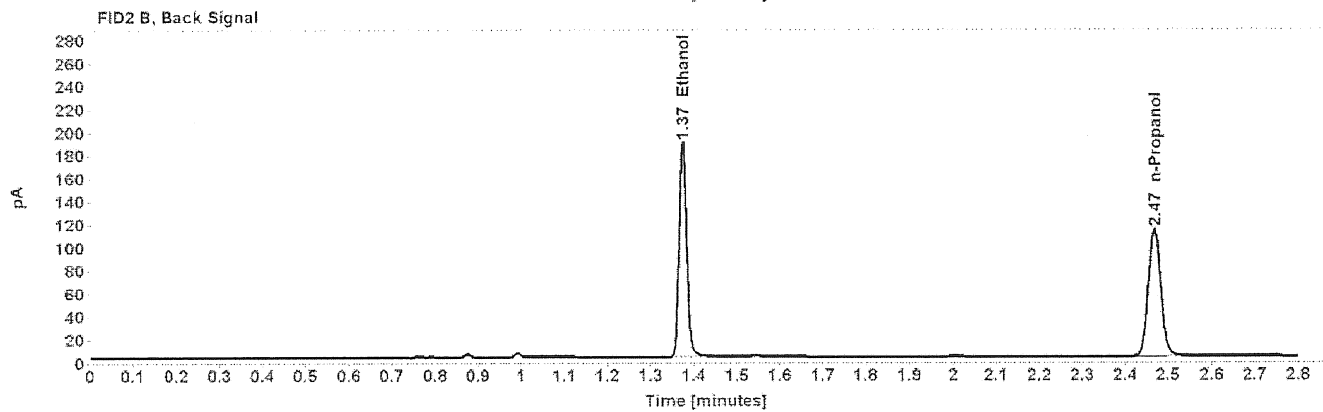
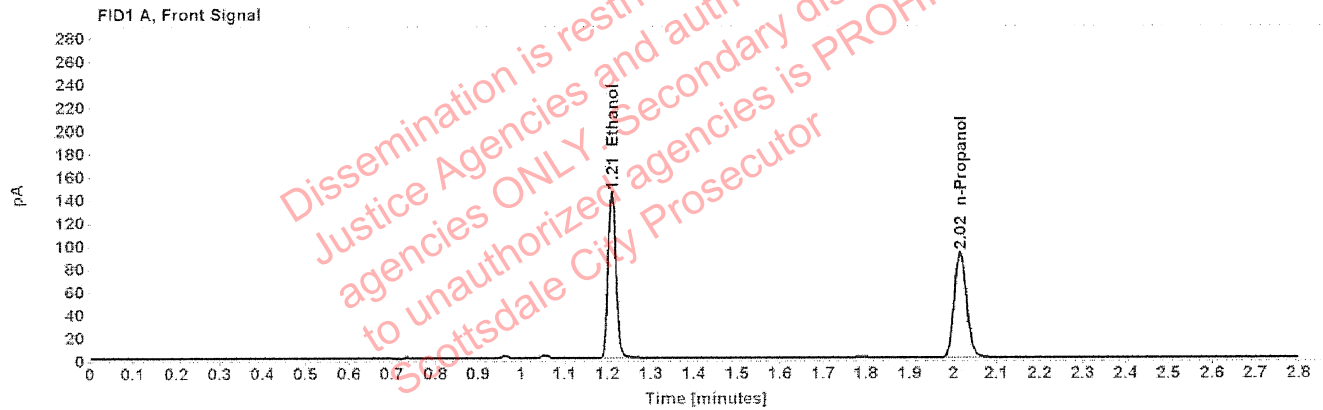


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2841	1.209	184.704
n-Propanol	-----	2.016	182.839

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

Compound	Time (min)	Peak Area
Ethanol	1.374	231.747
n-Propanol	2.468	224.345

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33401CI	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:01:05 PM
Data file:	C:\Chem32\11\Data\04Aug20\34.D	Analyst:	Abbott

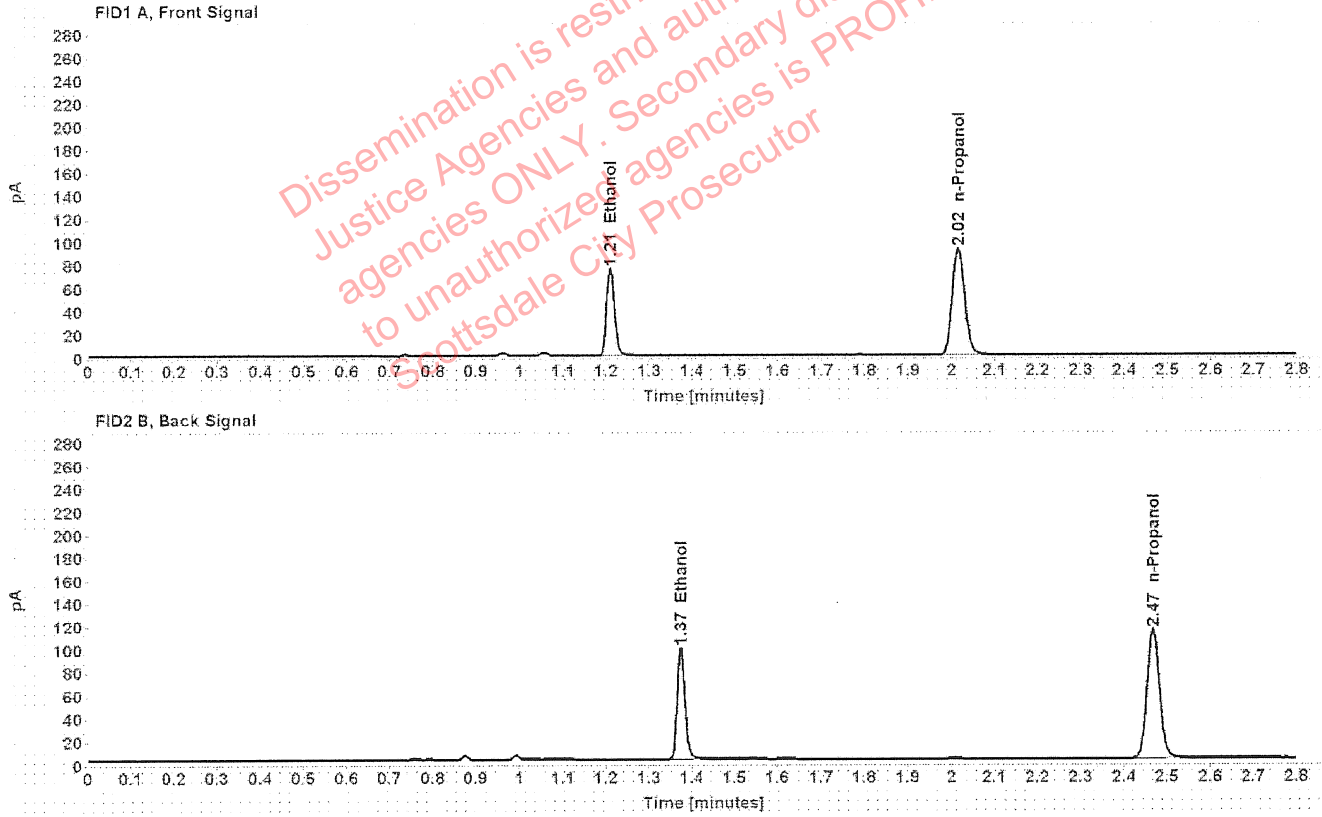


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1471	1.210	96.195
n-Propanol	-----	2.016	184.479

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

Compound	Time (min)	Peak Area
Ethanol	1.375	119.966
n-Propanol	2.467	226.637

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33401CI	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:05:03 PM
Data file:	C:\Chem32\1\Data\04Aug20\35.D	Analyst:	Abbott

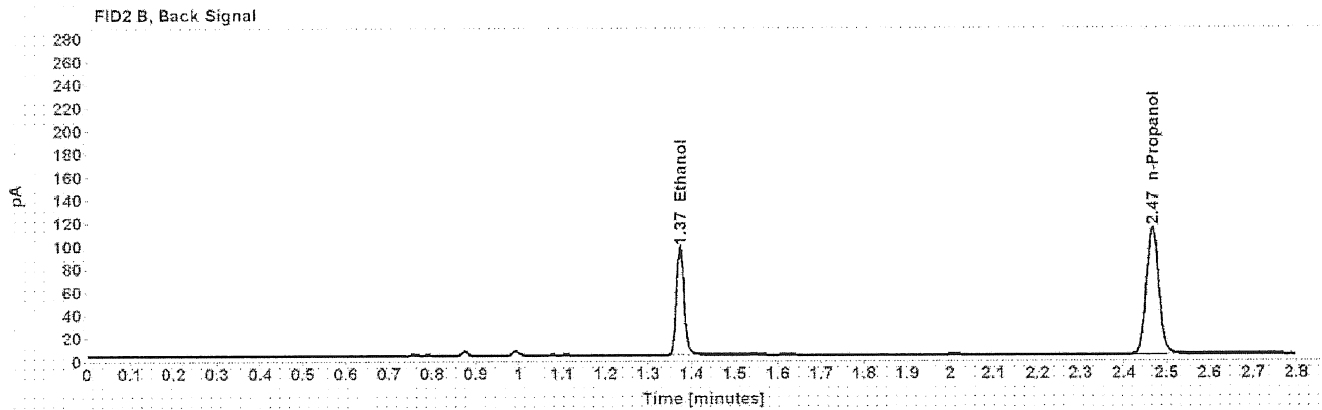
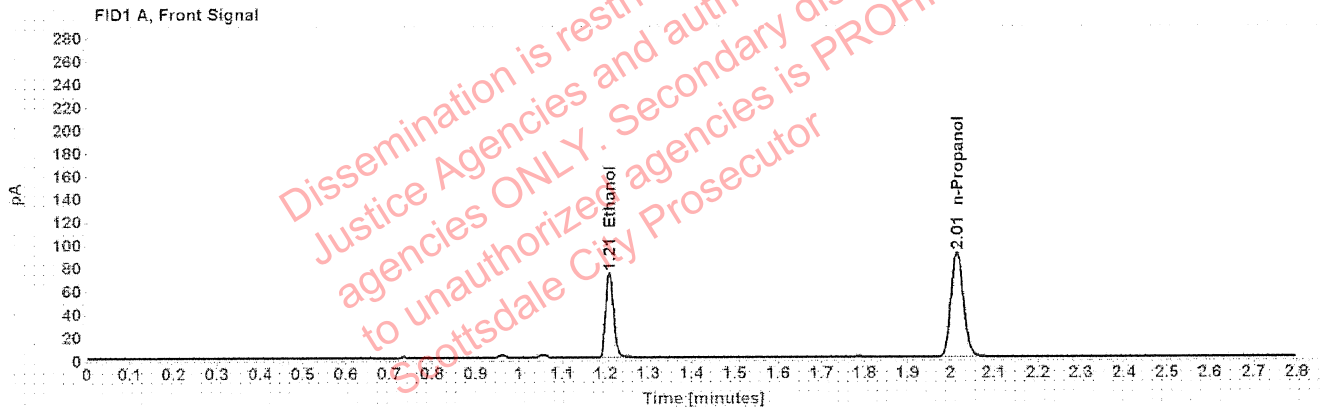


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1452	1.209	93.881
n-Propanol	-----	2.015	182.419

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

Compound	Time (min)	Peak Area
Ethanol	1.373	116.859
n-Propanol	2.466	224.138

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36301NO	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:09:04 PM
Data file:	C:\Chem32\1\Data\04Aug20\36.D	Analyst:	Abbott

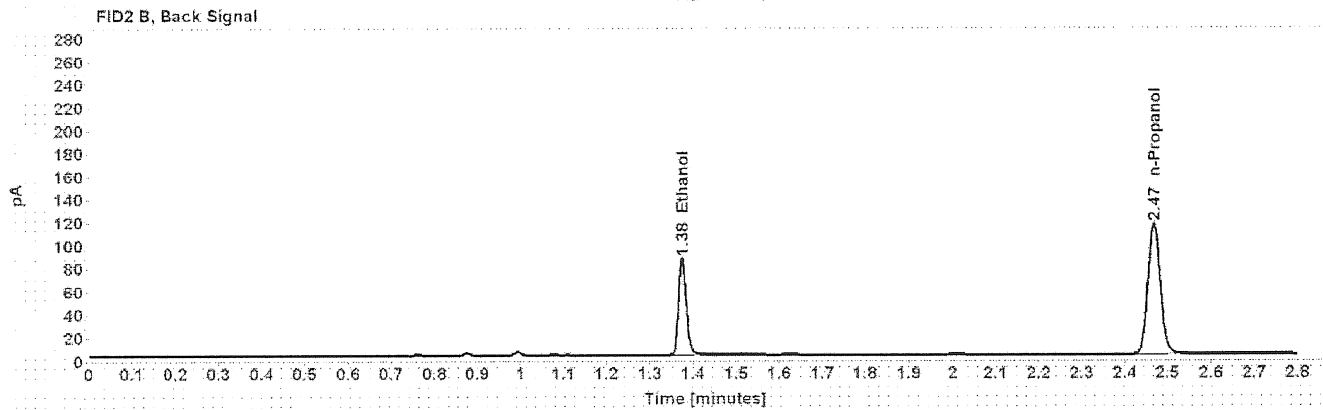
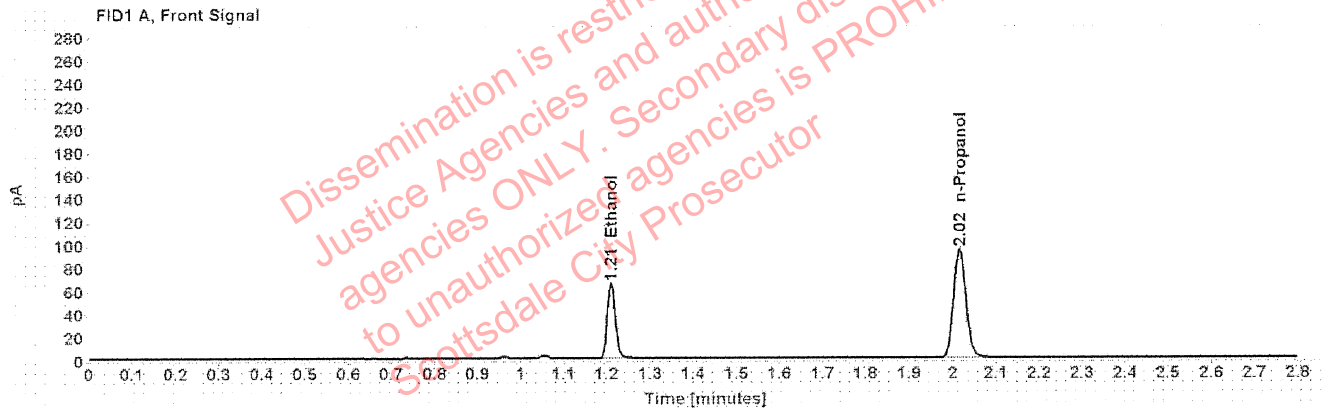


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1258	1.210	83.726
n-Propanol	-----	2.016	187.969

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

Compound	Time (min)	Peak Area
Ethanol	1.375	104.261
n-Propanol	2.468	230.731

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36301NO	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:13:20 PM
Data file:	C:\Chem32\1\Data\04Aug20\37.D	Analyst:	Abbott

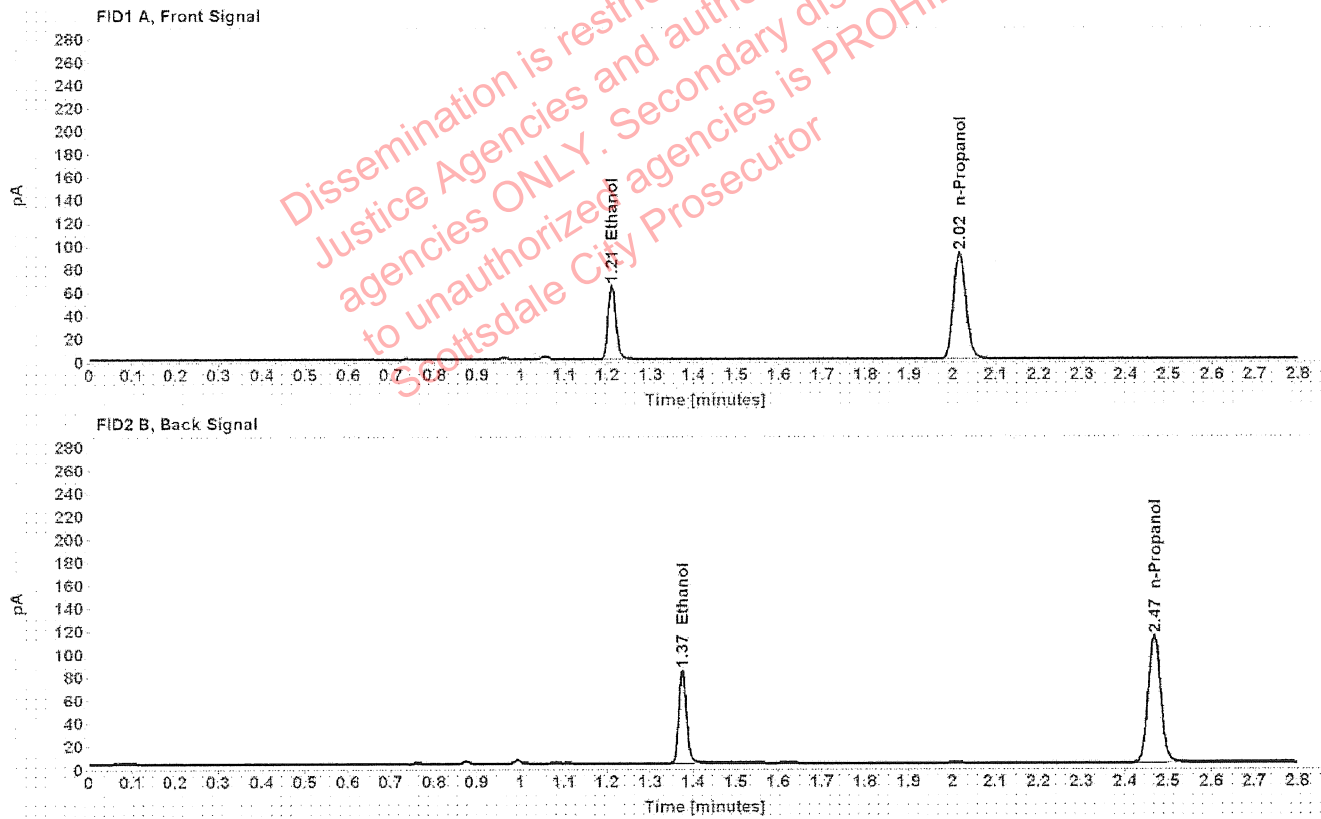


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1250	1.210	81.335
n-Propanol	-----	2.016	183.806

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

Compound	Time (min)	Peak Area
Ethanol	1.375	101.500
n-Propanol	2.468	225.459

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	03491HK	Vial:	38
Description:	[Redacted]	LIMS ID:	[Redacted]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:17:18 PM
Data file:	C:\Chem32\1\Data\04Aug20\38.D	Analyst:	Abbott

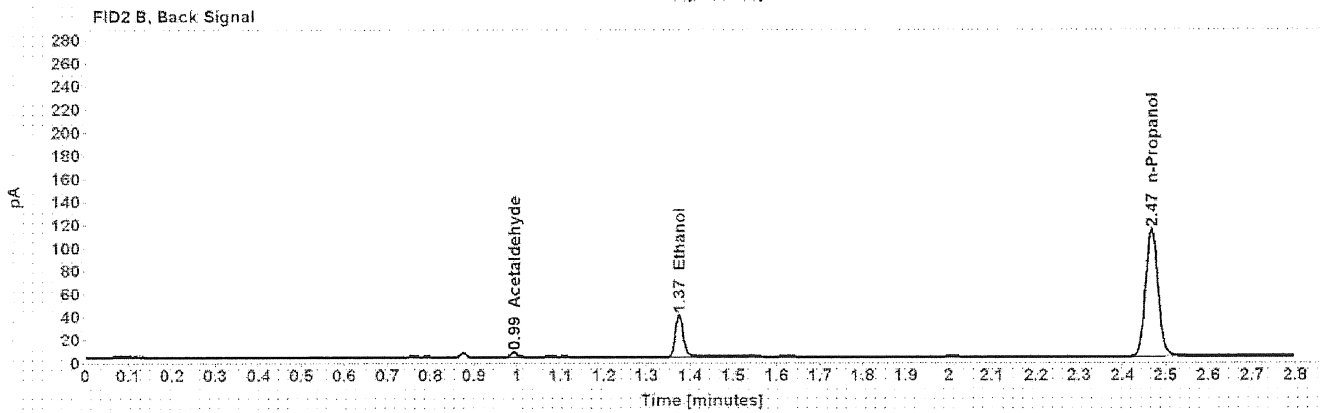
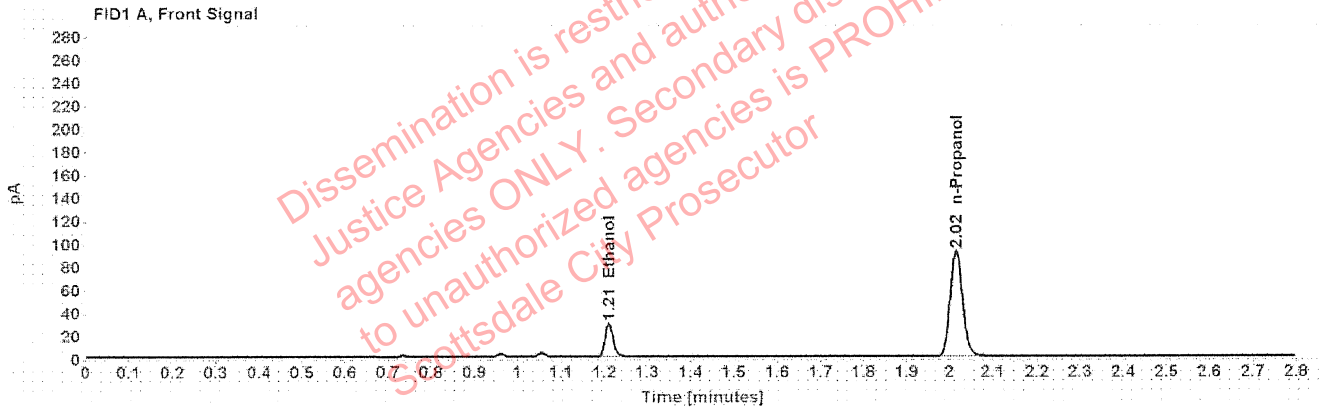


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0575	1.211	37.031
n-Propanol	-----	2.015	183.549

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	4.183
Ethanol	1.375	46.627
n-Propanol	2.467	225.069

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	03491HK	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:21:18 PM
Data file:	C:\Chem32\1\Data\04Aug20\39.D	Analyst:	Abbott

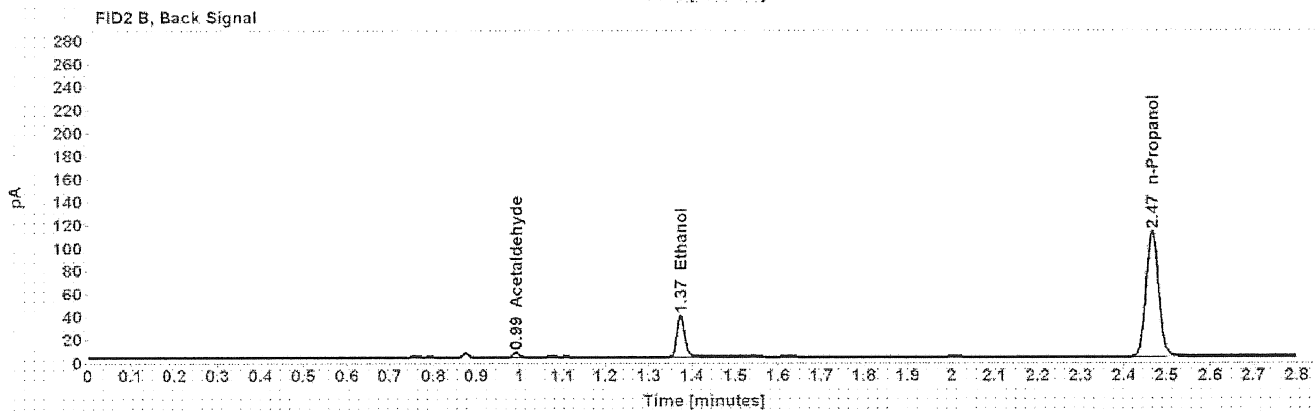
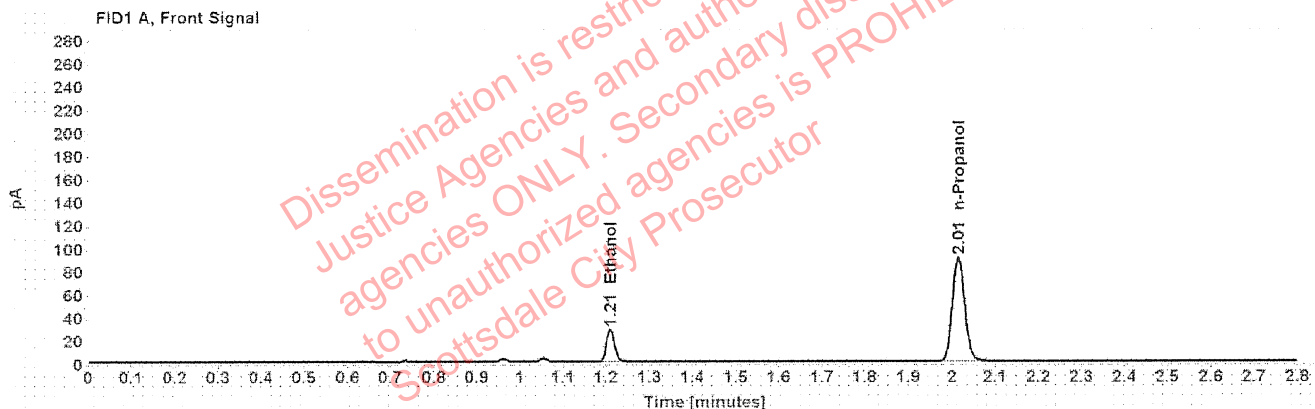


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0575	1.210	36.456
n-Propanol	-----	2.015	180.857

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	3.946
Ethanol	1.374	46.189
n-Propanol	2.466	221.913



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331245	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:25:18 PM
Data file:	C:\Chem32\1\Data\04Aug20\40.D	Analyst:	Abbott

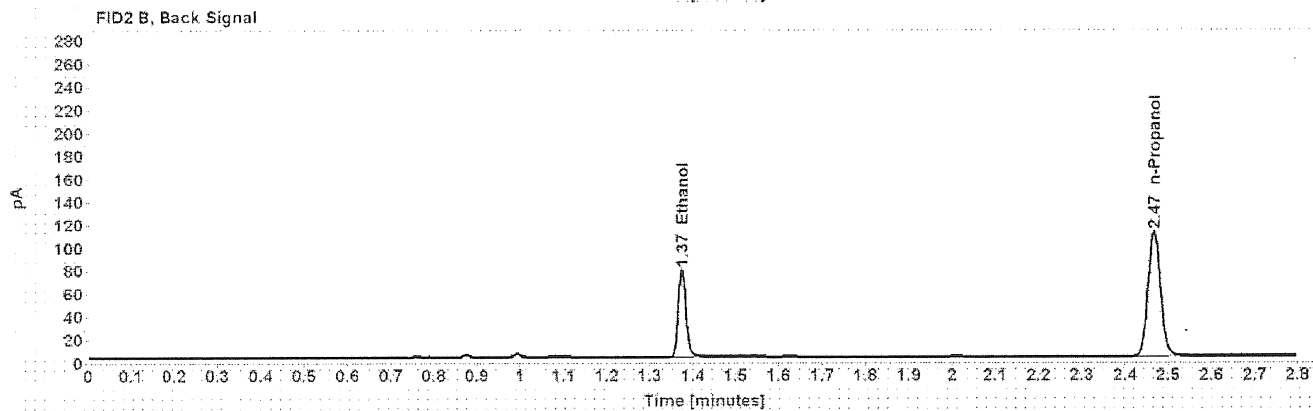
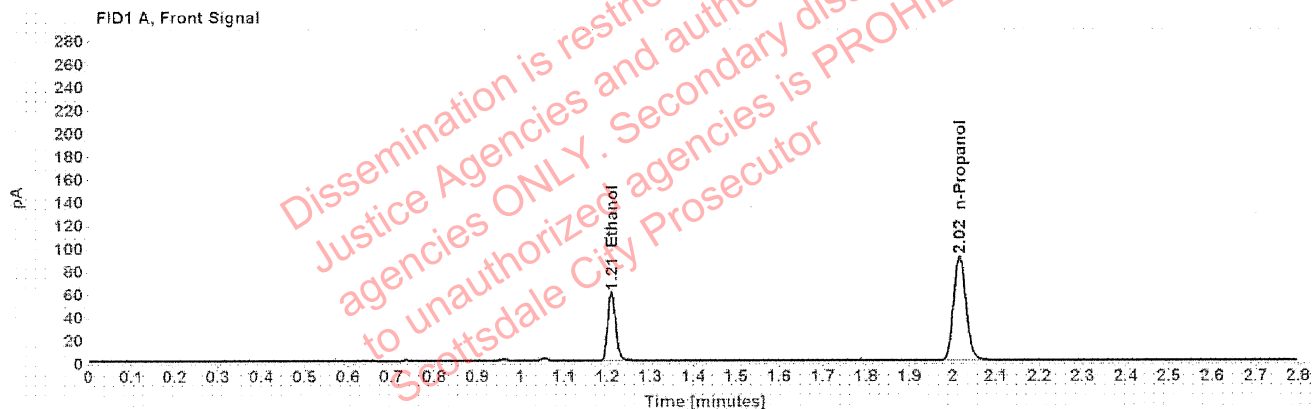


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1194	1.210	76.240
n-Propanol	-----	2.015	180.511

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

Compound	Time (min)	Peak Area
Ethanol	1.374	95.095
n-Propanol	2.467	221.594

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331245	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/4/2020 5:29:18 PM
Data file:	C:\Chem32\1\Data\04Aug20\41.D	Analyst:	Abbott

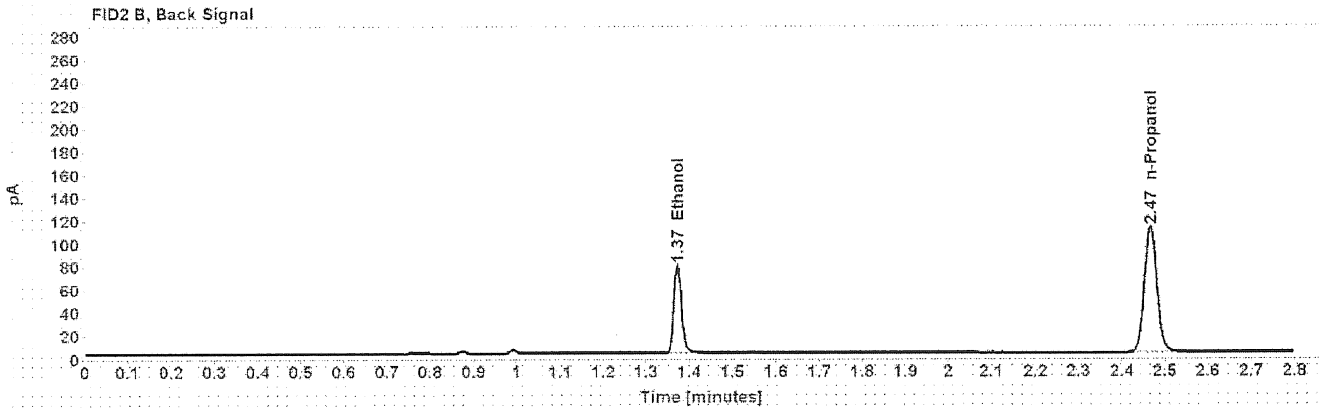
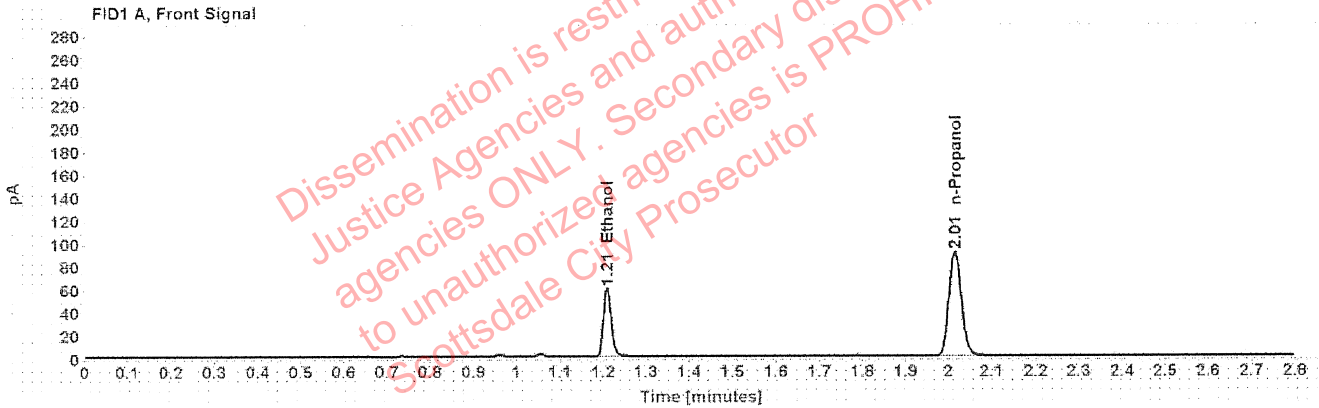


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1187	1.209	75.993
n-Propanol	-----	2.015	180.922

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

Compound	Time (min)	Peak Area
Ethanol	1.373	94.808
n-Propanol	2.466	222.224