

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/11/22 SEQUENCE NAME 11Oct22

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN10051909 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN05311902 0.99960  
 Vial 3 0.20 calibrator Lot FN02052101  
 Vial 4 0.40 calibrator Lot FN03052102

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 070622AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.038 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.078 g/dL	Lipomed 20012020-B
40	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
41	Aqueous control	0.040 g/dL	0.038 g/dL	Lipomed 14082019-B
42	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/8
43	Blank	Not detected	Not detected	SPD Lab 101921WB

**SUBJECT SAMPLES**

Subjects in the sequence 14 Subjects requiring reanalysis 0

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

Run valid  Phis Bowala Analyst Run valid  John Abbott Technical Reviewer  
 Run invalid  Run invalid

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

FB

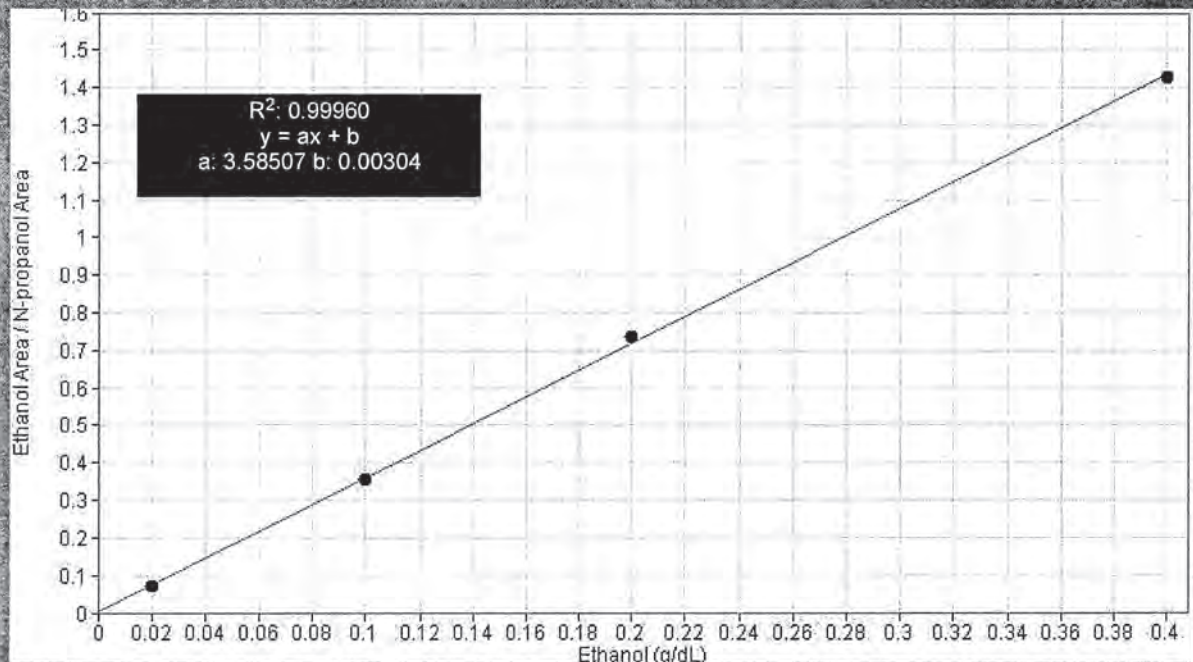
SEQUENCE NAME: 11Oct22

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 070622AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.038	0.040	5.00	-0.002
0.199 4110320133/8	9	0.204	0.199	2.51	0.005
0.080 20012020-B	20	0.079	0.080	1.25	-0.001
0.080 20012020-B	31	0.078	0.080	2.50	-0.002
0.400 11092018-A	40	0.400	0.400	0.00	0.000
0.040 14082019-B	41	0.038	0.040	5.00	-0.002
0.199 4110320133/8	42	0.201	0.199	1.01	0.002
blank 101921WB	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.960	168.736	0.071
0.100	59.115	166.633	0.355
0.200	130.440	176.855	0.738
0.400	237.571	166.110	1.430

Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051909	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 11Oct22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/11/2022 3:10:16 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>YB</i>
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\1.D	

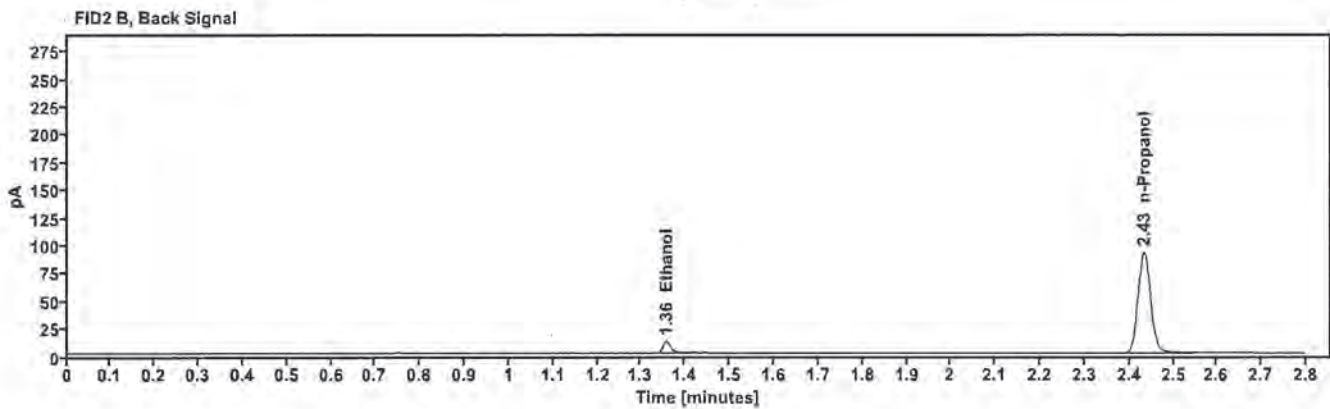
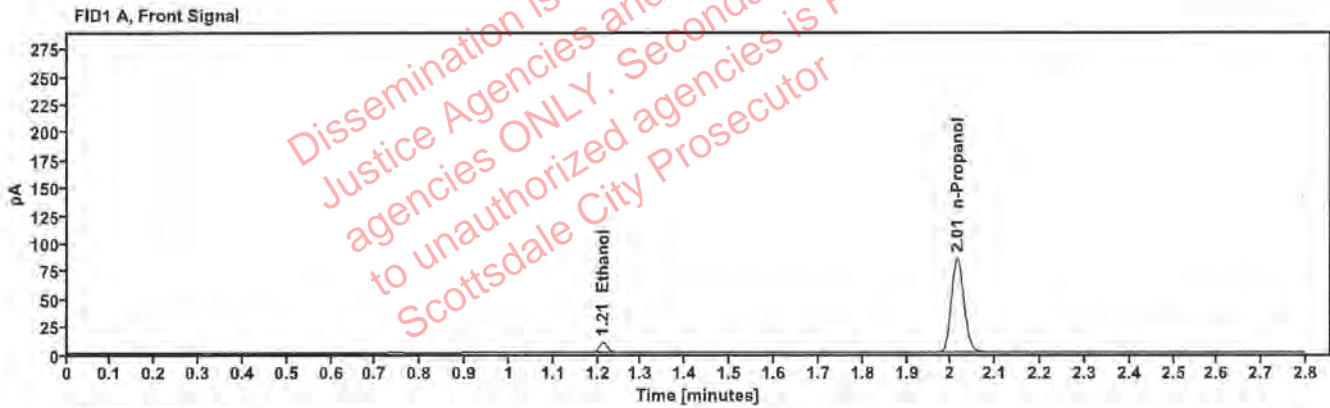


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.960
n-Propanol	2.015	168.736

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

Compound	Time (min)	Peak Area
Ethanol	1.358	12.915
n-Propanol	2.433	182.084

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 11Oct22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/11/2022 3:14:16 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">RS</span>
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\2.D	

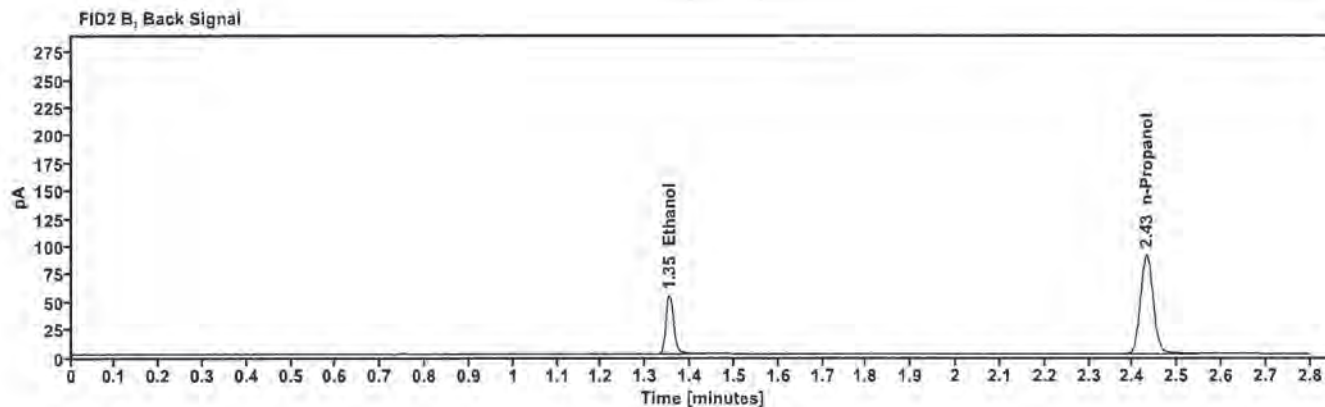
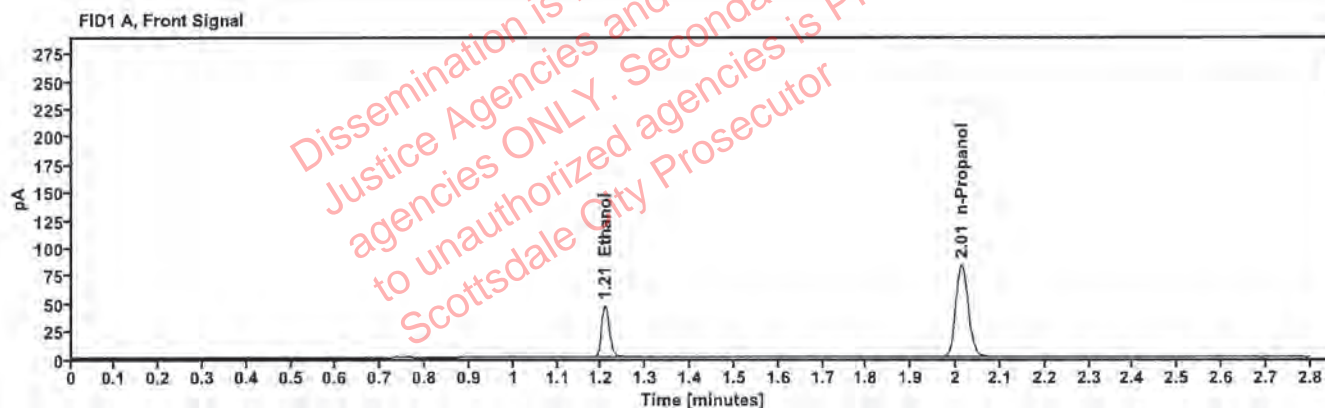


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	59.115
n-Propanol	2.013	166.633

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

Compound	Time (min)	Peak Area
Ethanol	1.353	64.329
n-Propanol	2.431	180.091

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02052101	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 11Oct22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/11/2022 3:18:15 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">JB</span>
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\3.D	

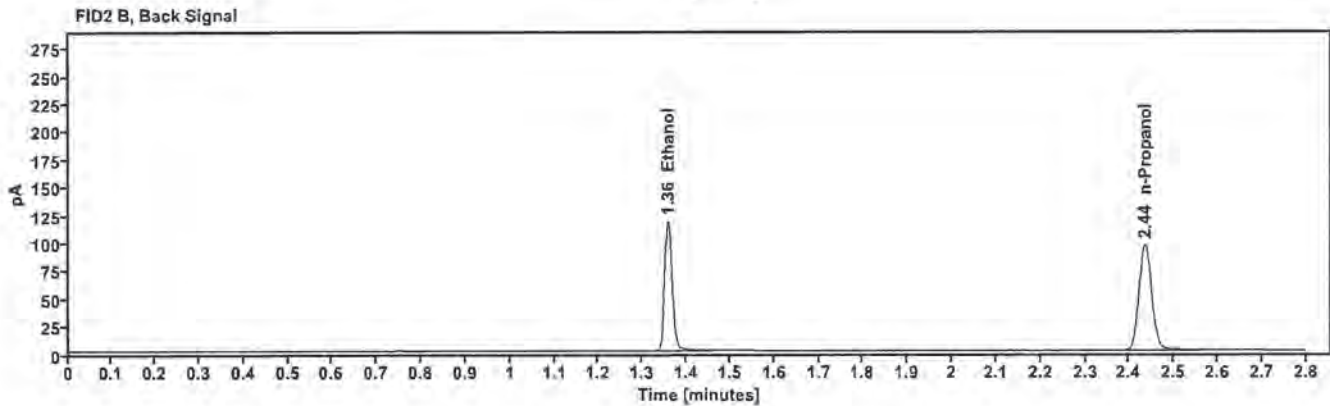
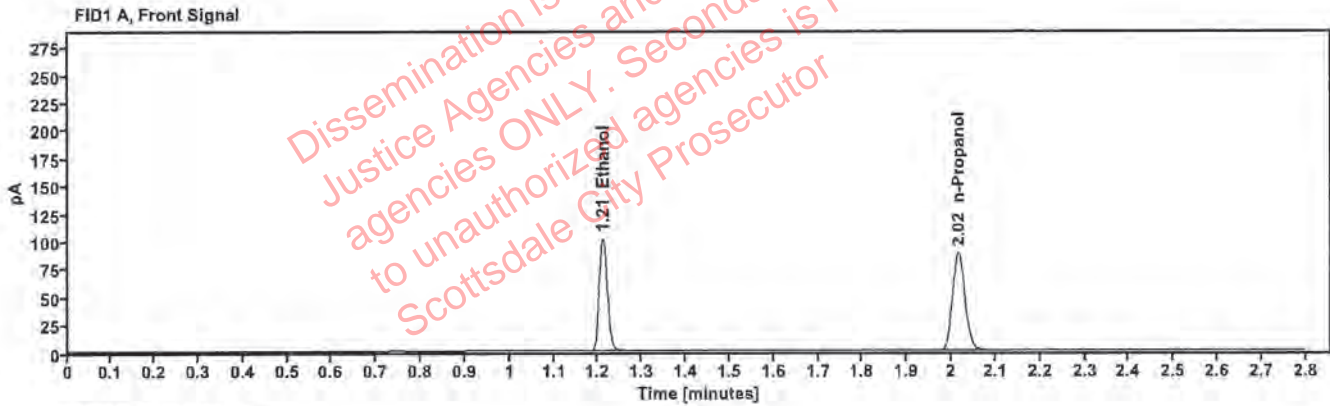


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	130.440
n-Propanol	2.015	176.855

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

Compound	Time (min)	Peak Area
Ethanol	1.358	142.896
n-Propanol	2.435	191.254

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 11Oct22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/11/2022 3:22:16 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">YBP</span>
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\4.D	

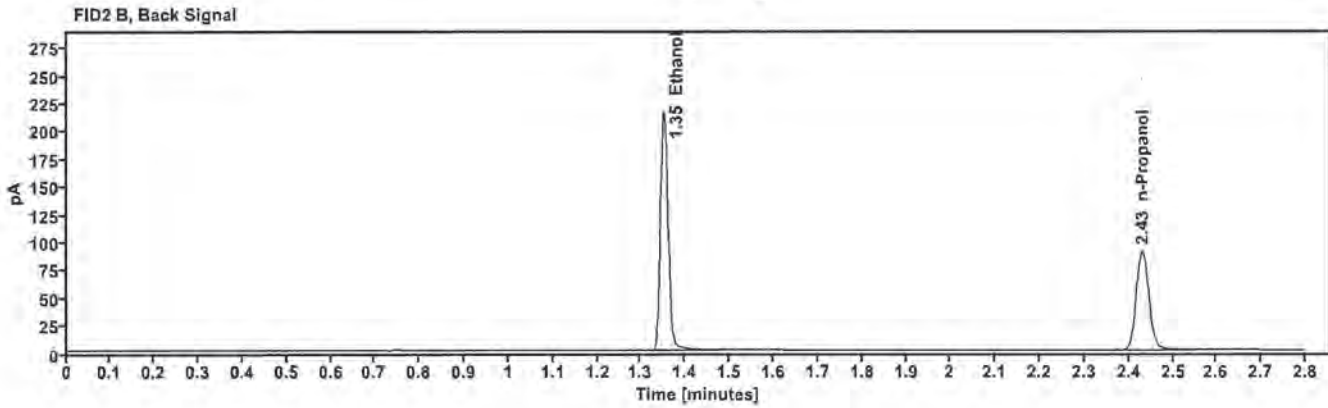
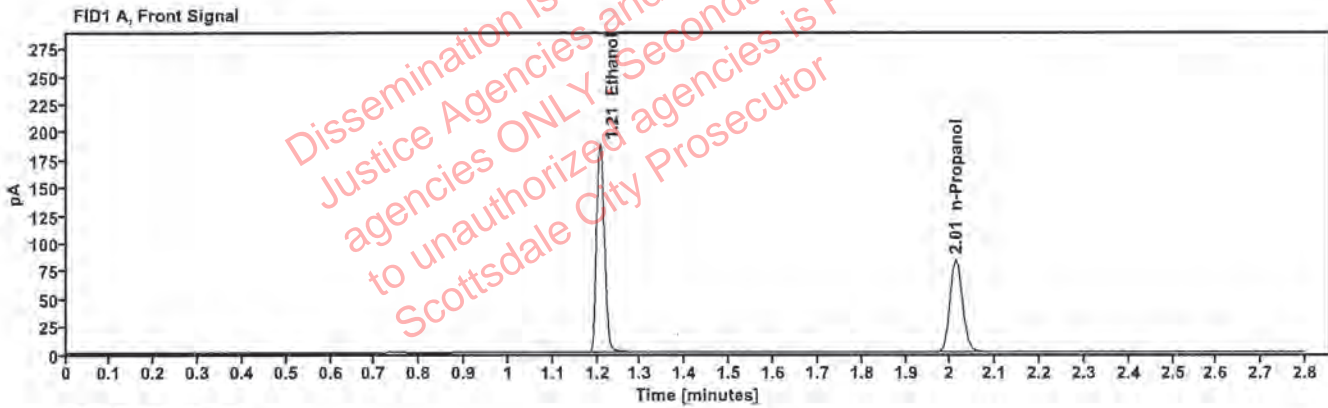


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.206	237.571
n-Propanol	2.012	166.110

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

Compound	Time (min)	Peak Area
Ethanol	1.352	261.192
n-Propanol	2.430	179.445

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 070622AQ	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 3:26:16 PM
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\5.D	<b>Analyst:</b> Brooke <span style="float: right;">FB</span>

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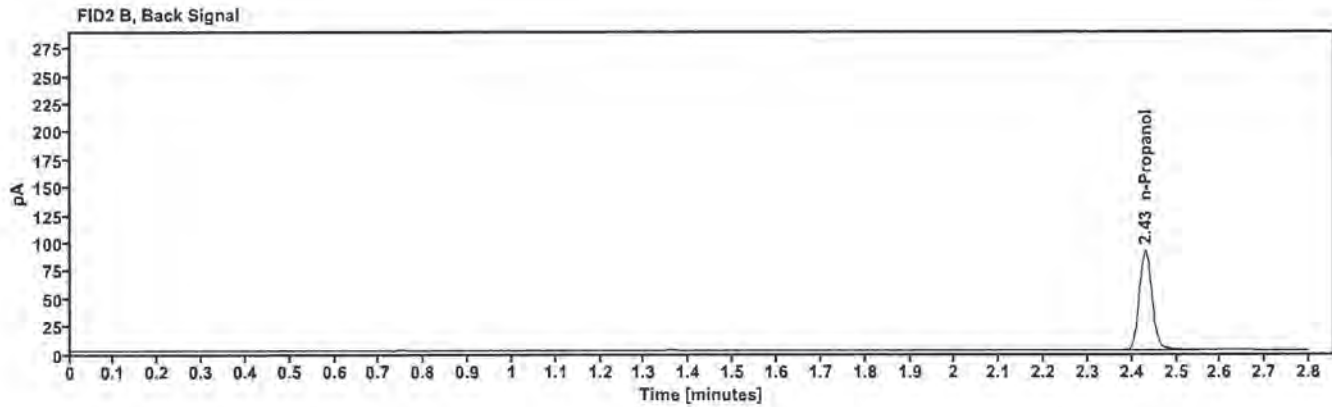
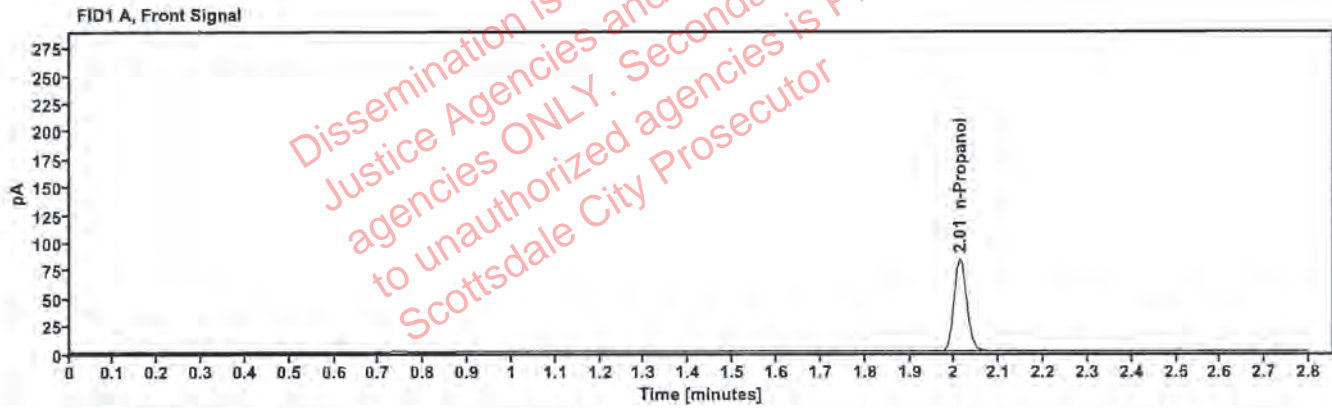


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.012	166.525

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

Compound	Time (min)	Peak Area
n-Propanol	2.430	180.156

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 050721MIX	<b>Vial:</b> 6
<b>Description:</b> Volatiles mix	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 3:30:15 PM
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\6.D	<b>Analyst:</b> Brooke <span style="float: right;">PB</span>

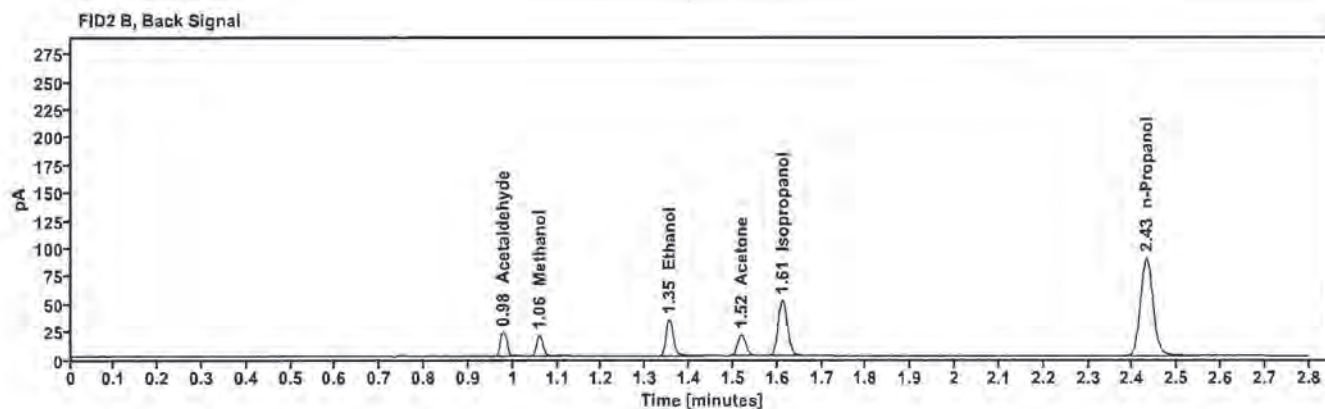
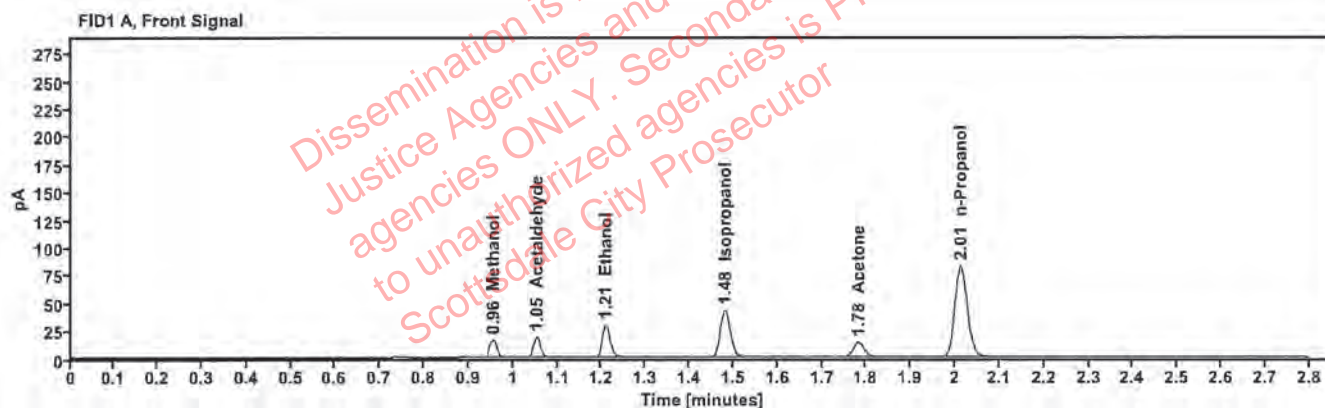


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	----	0.955	17.834
Acetaldehyde	----	1.053	20.105
>Ethanol	0.0620	1.208	37.001
Isopropanol	----	1.481	67.698
Acetone	----	1.782	23.106
n-Propanol	----	2.012	164.342

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.977	22.333
Methanol	1.059	19.544
Ethanol	1.354	40.162
Acetone	1.518	25.361
Isopropanol	1.611	74.887
n-Propanol	2.431	177.658



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 7
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 3:34:30 PM
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\7.D	<b>Analyst:</b> Brooke

JPB

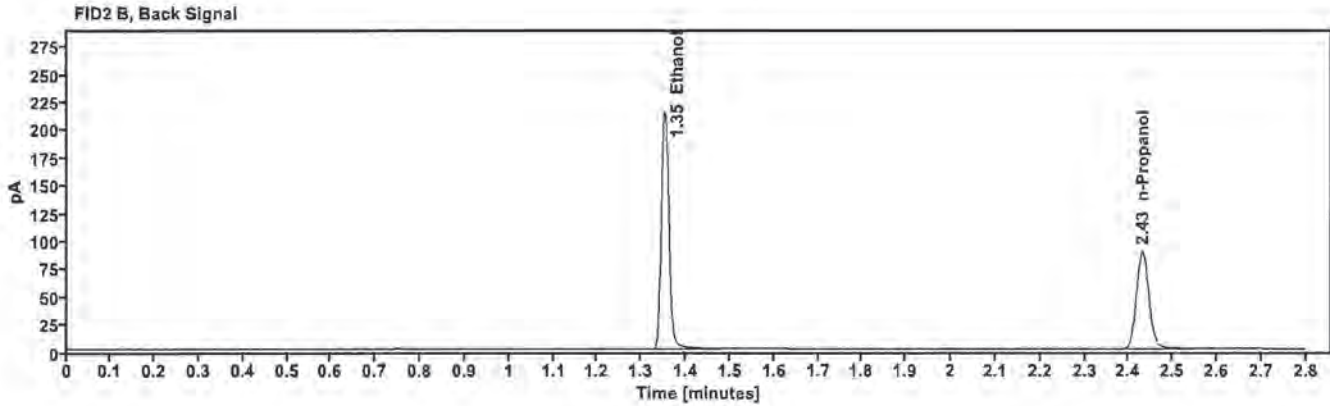
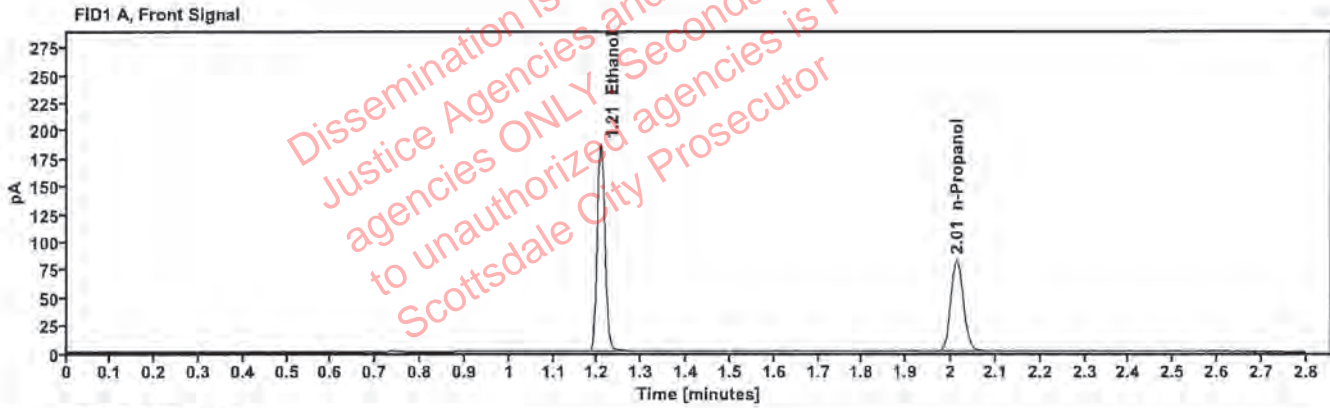


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3988	1.207	235.499
n-Propanol	—	2.013	164.363

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

Compound	Time (min)	Peak Area
Ethanol	1.352	259.244
n-Propanol	2.431	177.960

# 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> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 3:38:30 PM
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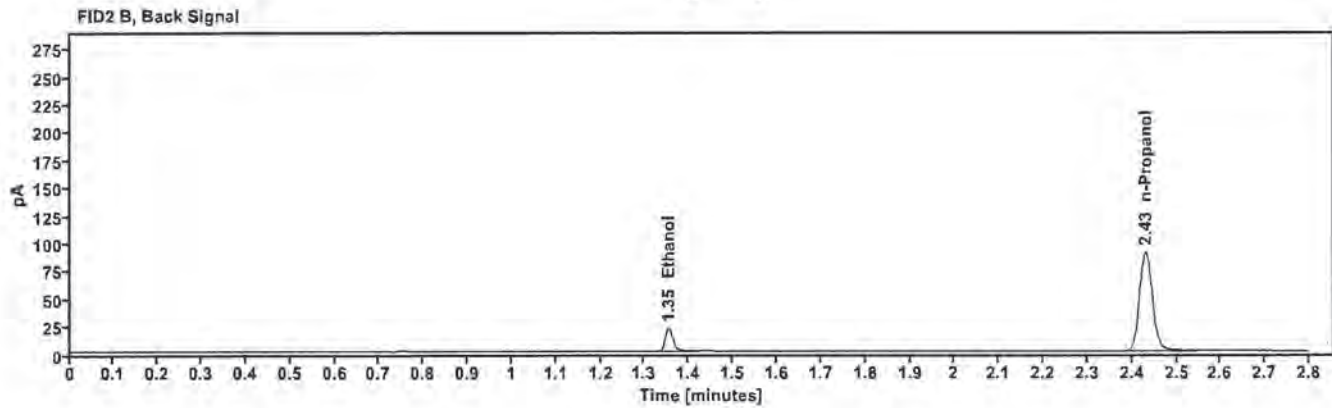
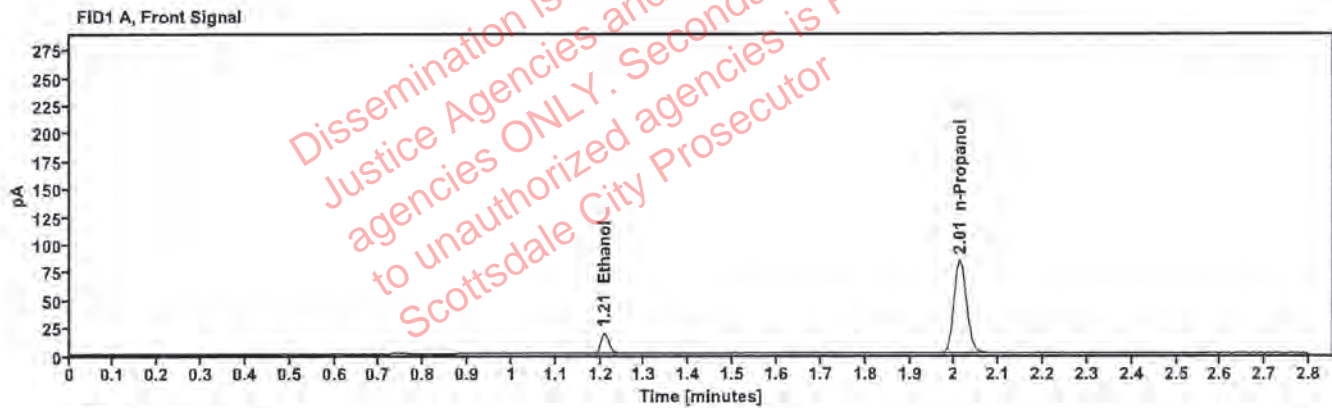


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0388	1.209	23.734
n-Propanol	—	2.013	167.059

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

Compound	Time (min)	Peak Area
Ethanol	1.354	25.779
n-Propanol	2.431	180.902

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/8	<b>Vial:</b> 9
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 3:42:31 PM
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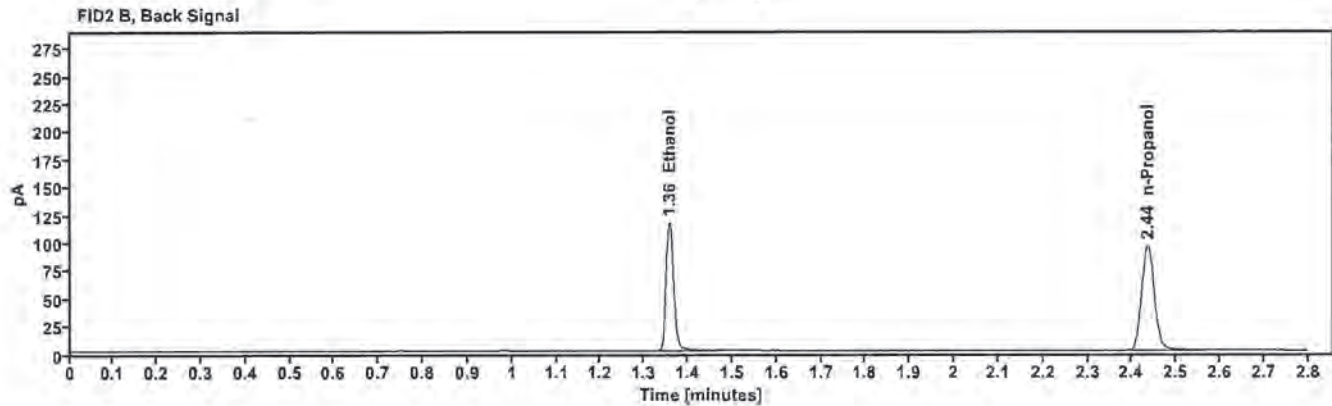
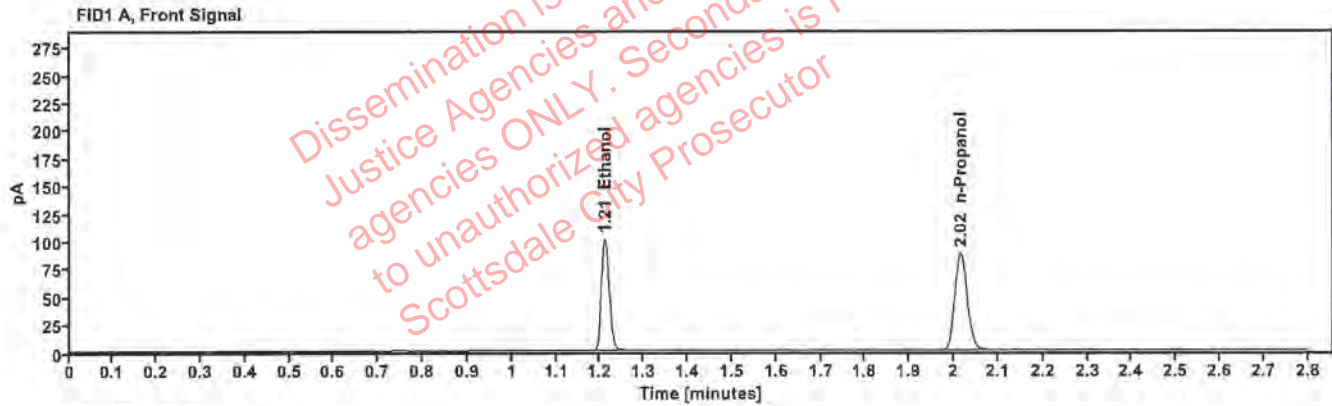


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2042	1.210	129.063
n-Propanol	—	2.016	175.599

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

Compound	Time (min)	Peak Area
Ethanol	1.358	141.878
n-Propanol	2.435	190.211

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 20012020-B	<b>Vial:</b> 20
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 4:27:01 PM
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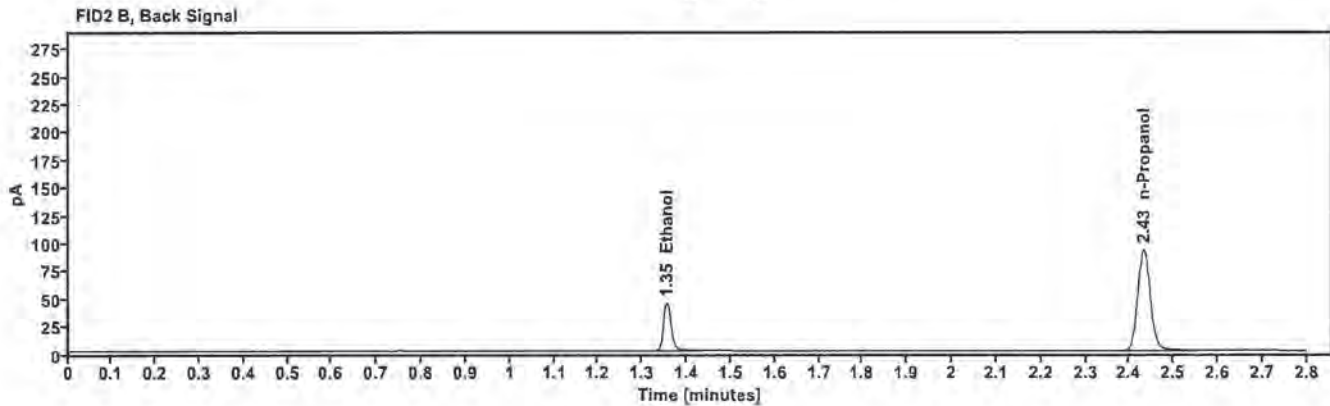
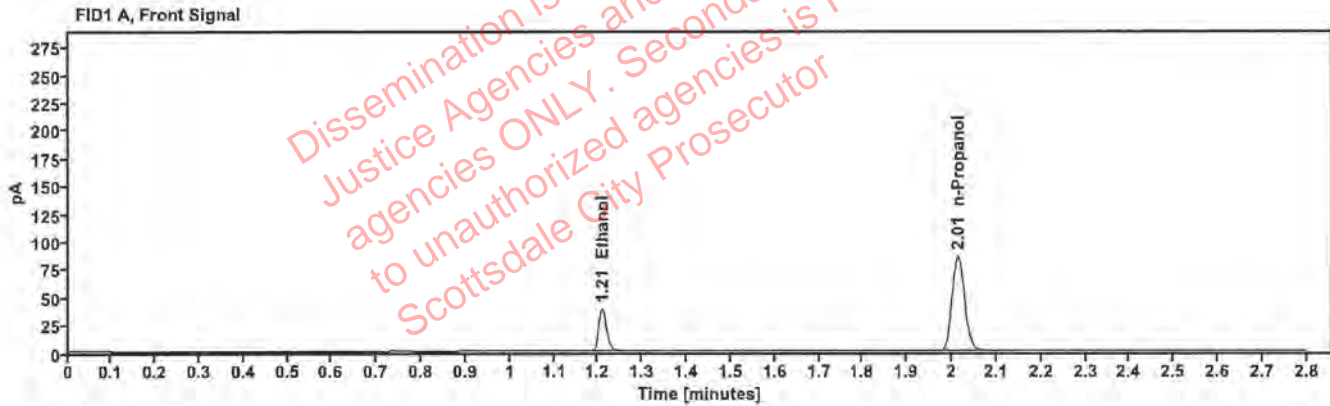


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0790	1.209	48.870
n-Propanol	—	2.014	170.764

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.338
n-Propanol	2.432	184.856

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 20012020-B	<b>Vial:</b> 31
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 5:11:30 PM
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*BP*

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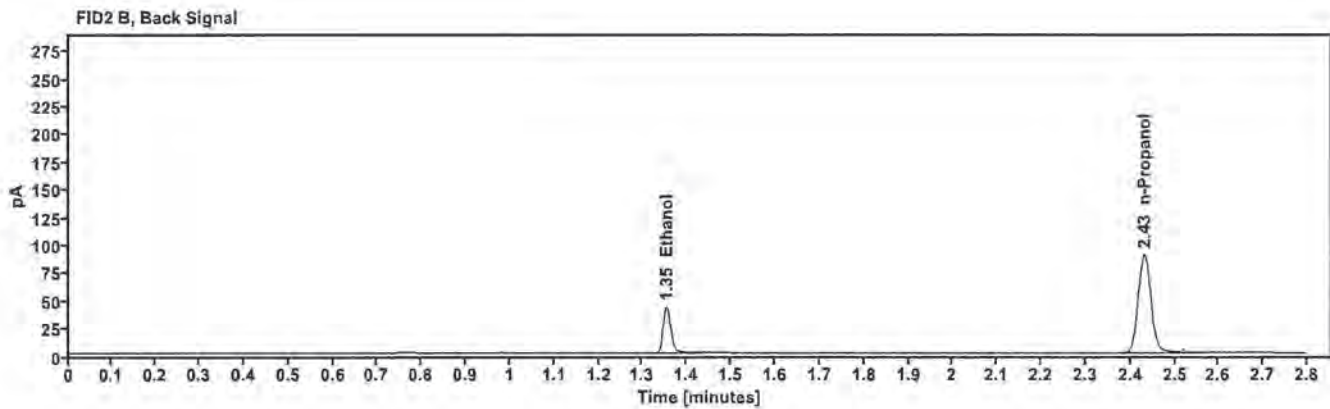
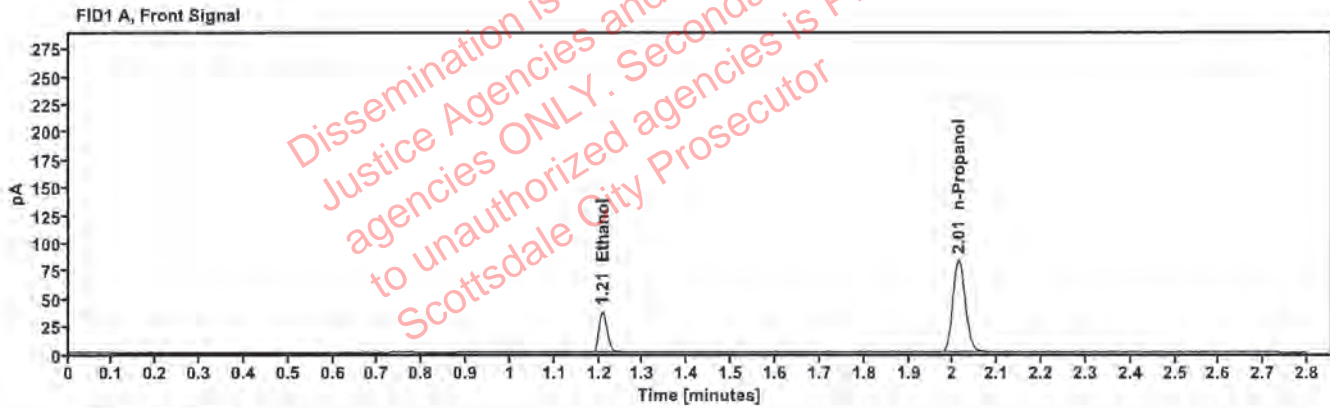


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0785	1.208	47.291
n-Propanol	—	2.013	166.174

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

Compound	Time (min)	Peak Area
Ethanol	1.354	51.359
n-Propanol	2.431	179.929

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 40
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 5:47:47 PM
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\40.D	<b>Analyst:</b> Brooke

yab

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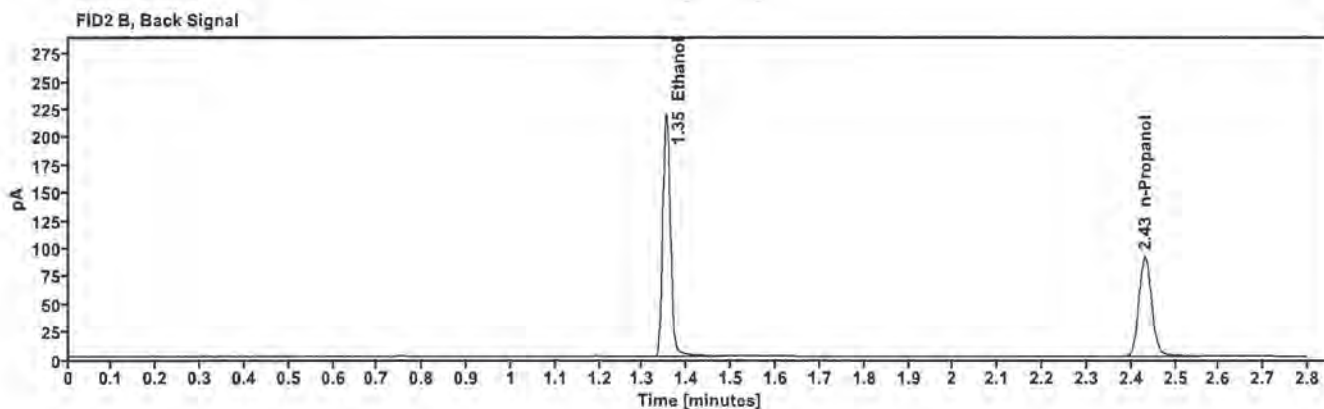
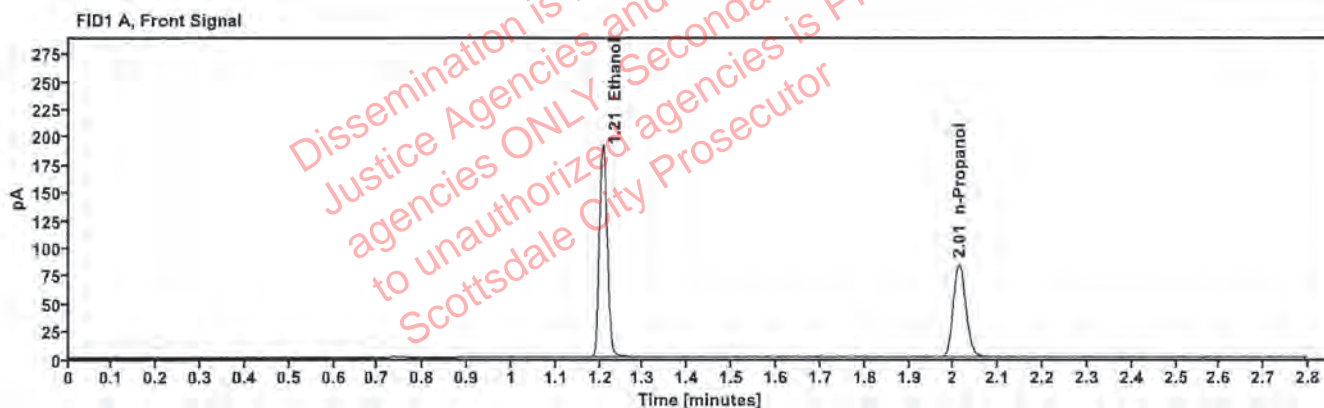


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4003	1.207	241.558
n-Propanol	-----	2.013	167.956

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

Compound	Time (min)	Peak Area
Ethanol	1.353	265.664
n-Propanol	2.431	181.563

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 41
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 5:51:47 PM
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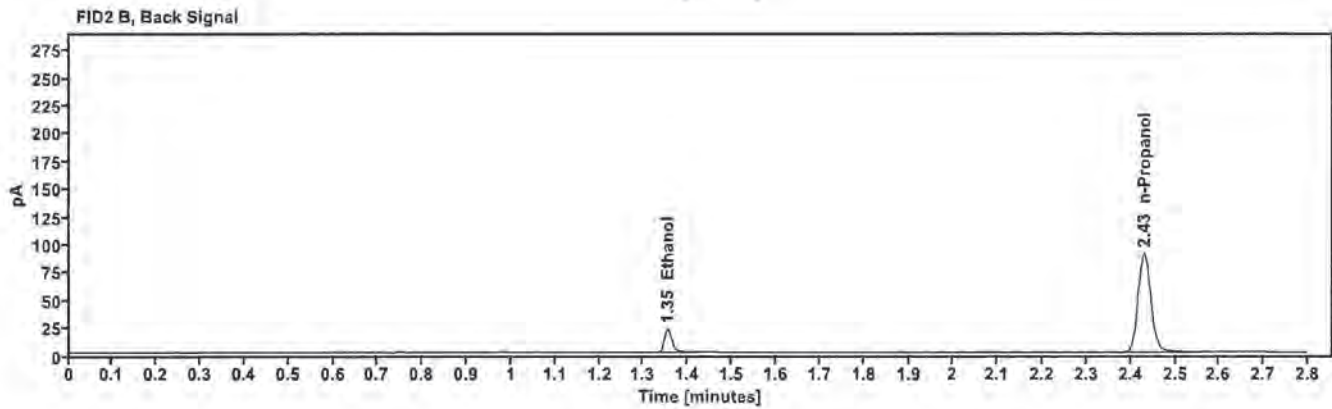
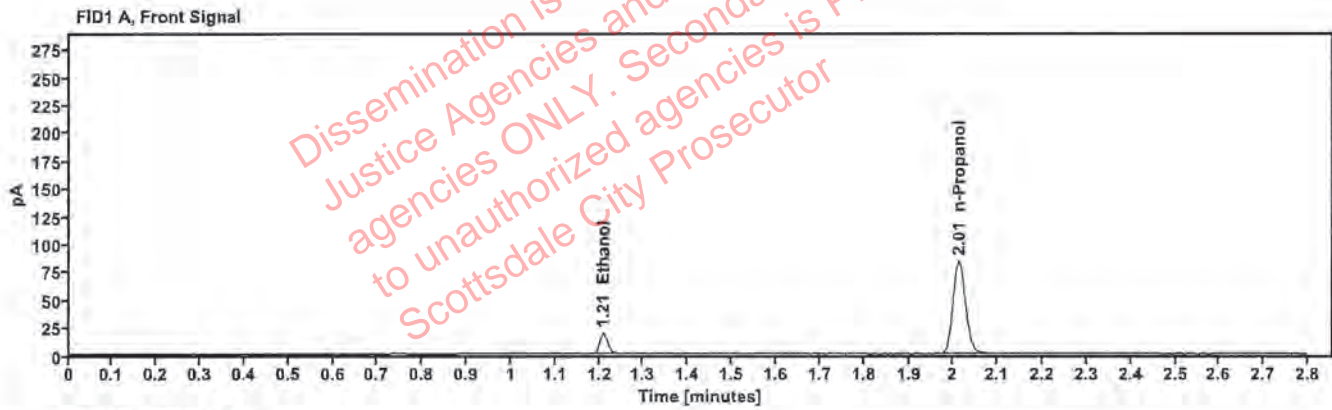


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0389	1.209	23.683
n-Propanol	-----	2.013	166.257

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

Compound	Time (min)	Peak Area
Ethanol	1.354	25.673
n-Propanol	2.431	179.951

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/8	<b>Vial:</b> 42
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 5:55:45 PM
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\42.D	<b>Analyst:</b> Brooke

JB

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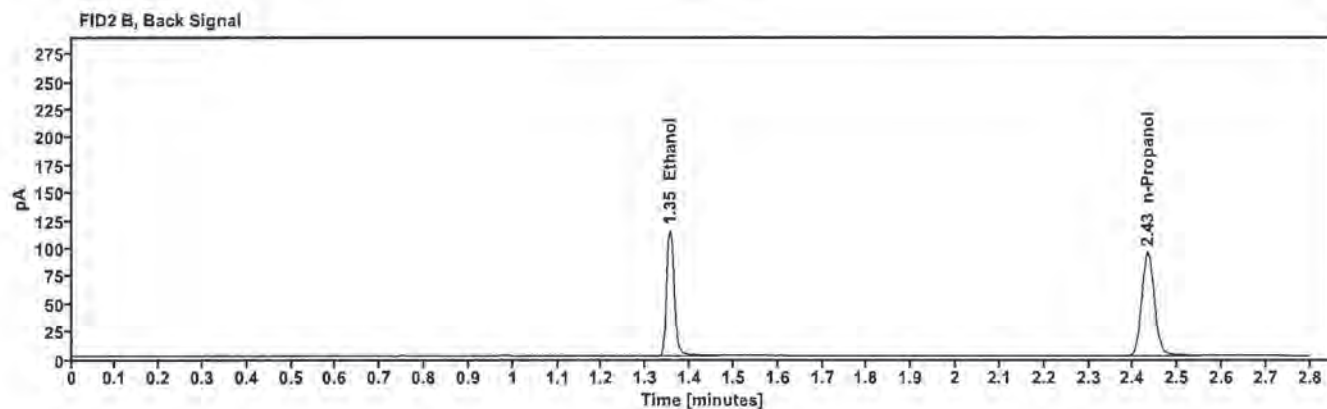
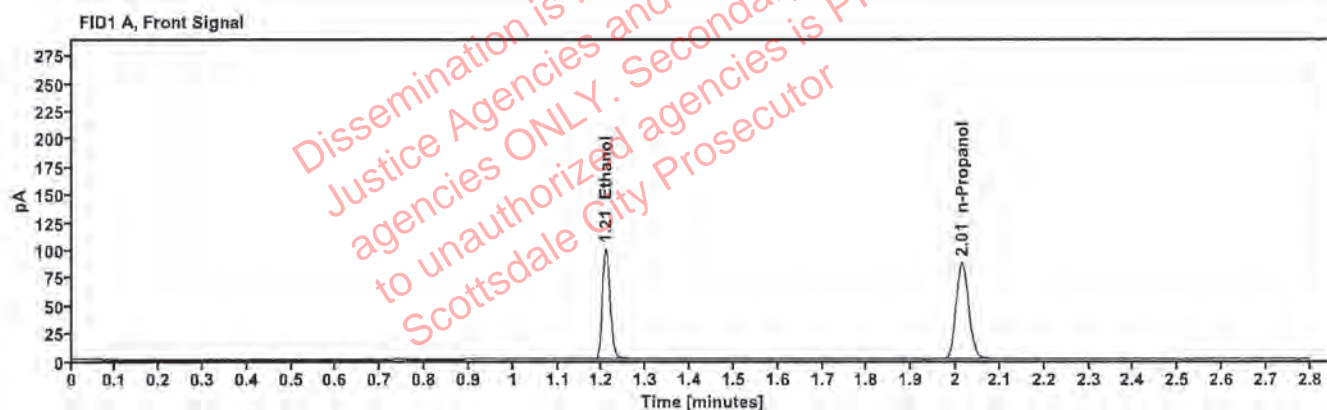


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2012	1.208	125.987
n-Propanol	-----	2.014	173.932

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

Compound	Time (min)	Peak Area
Ethanol	1.355	138.368
n-Propanol	2.432	188.051



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 101921WB	<b>Vial:</b> 43
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 11Oct22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/11/2022 6:00:02 PM
<b>Data file:</b> C:\Chem32\1\Data\11Oct22\43.D	<b>Analyst:</b> Brooke

*MB*

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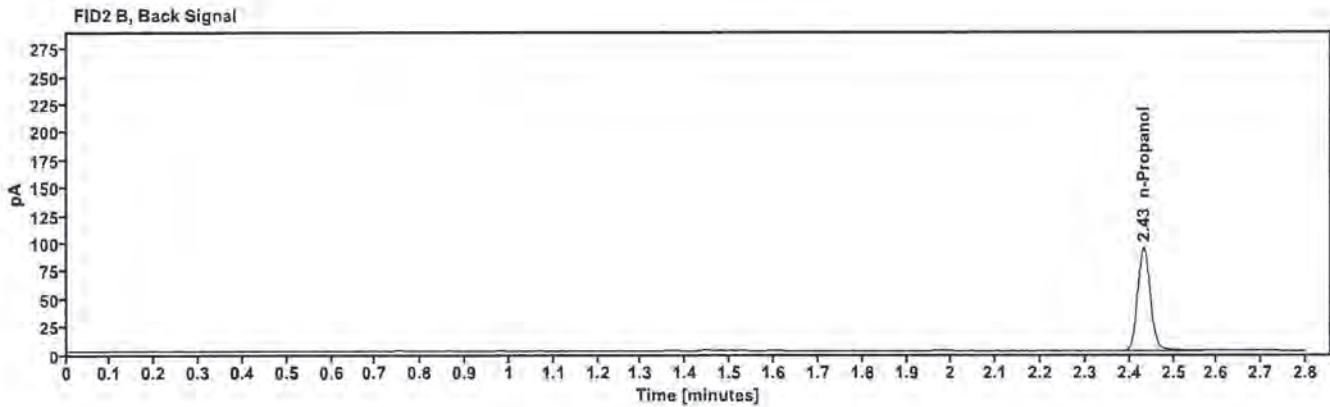
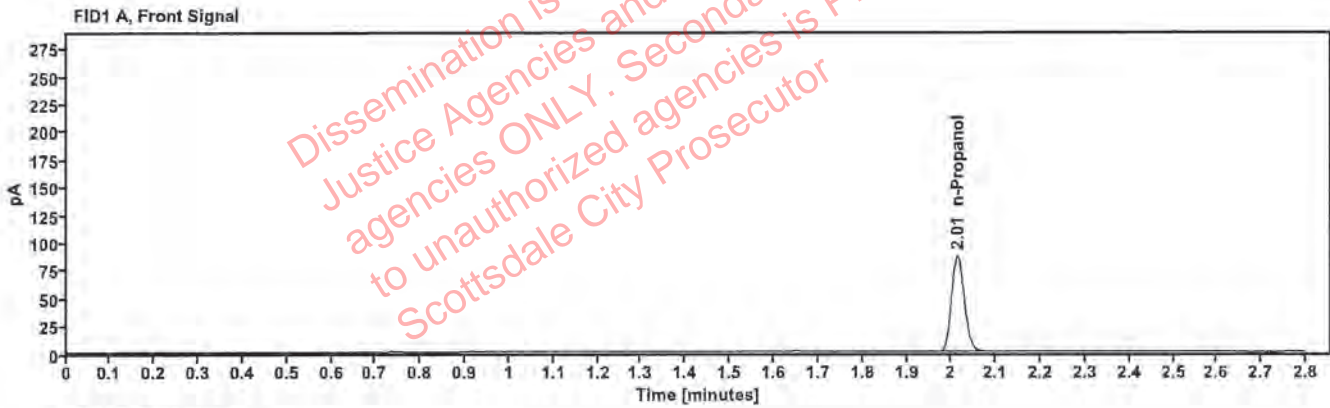


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.014	172.511

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	187.561

# Sequence Summary

BB

Sequence name: 11Oct22      Instrument: US14173023 CN14160045      Analyst: Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN10051909	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN02052101	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	070622AQ	Negative	Control		ethanol quant.M
6	050721MIX	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	4110320133/8	0.199	Control		ethanol quant.M
10	41801JG		Sample		ethanol quant.M
11	41801JG		Sample		ethanol quant.M
12	1439631		Sample		ethanol quant.M
13	1439631		Sample		ethanol quant.M
14	1439595		Sample		ethanol quant.M
15	1439595		Sample		ethanol quant.M
16	1439934		Sample		ethanol quant.M
17	1439934		Sample		ethanol quant.M
18	1440007		Sample		ethanol quant.M
19	1440007		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1439997		Sample		ethanol quant.M
22	1439997		Sample		ethanol quant.M
23	38401VM		Sample		ethanol quant.M
24	38401VM		Sample		ethanol quant.M
25	4021VB		Sample		ethanol quant.M
26	4021VB		Sample		ethanol quant.M
27	3951XA		Sample		ethanol quant.M
28	3951XA		Sample		ethanol quant.M
29	39401JT		Sample		ethanol quant.M
30	39401JT		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1439782		Sample		ethanol quant.M
33	1439782		Sample		ethanol quant.M
34	1439906		Sample		ethanol quant.M
35	1439906		Sample		ethanol quant.M
36	1440330		Sample		ethanol quant.M
37	1440330		Sample		ethanol quant.M
38	1440442		Sample		ethanol quant.M
39	1440442		Sample		ethanol quant.M
40	11092018-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	4110320133/8	0.199	Control		ethanol quant.M
43	101921WB	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

YB

SEQUENCE NAME: 11Oct22

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.3437	0.3392	0.34145	0.66	0.00225
12 13	0.1136	0.1152	0.11440	0.70	0.00080
14 15	0.0846	0.0848	0.08470	0.12	0.00010
16 17	0.2267	0.2318	0.22925	1.11	0.00255
18 19	0.2248	0.2239	0.22435	0.20	0.00045
21 22	0.1074	0.1092	0.10830	0.83	0.00090
23 24	0.1651	0.1654	0.16525	0.09	0.00015
25 26	0.1921	0.1944	0.19325	0.60	0.00115
27 28	0.2469	0.2495	0.24820	0.52	0.00130
29 30	0.1664	0.1646	0.16550	0.54	0.00090
32 33	0.2662	0.2620	0.26410	0.80	0.00210
34 35	0.0796	0.0796	0.07960	0.00	0.00000
36 37	0.1682	0.1665	0.16735	0.51	0.00085
38 39	0.2791	0.2756	0.27735	0.63	0.00175

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

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### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	41801JG	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 3:46:31 PM
Data file:	C:\Chem32\1\Data\11Oct22\10.D	Analyst:	Brooke

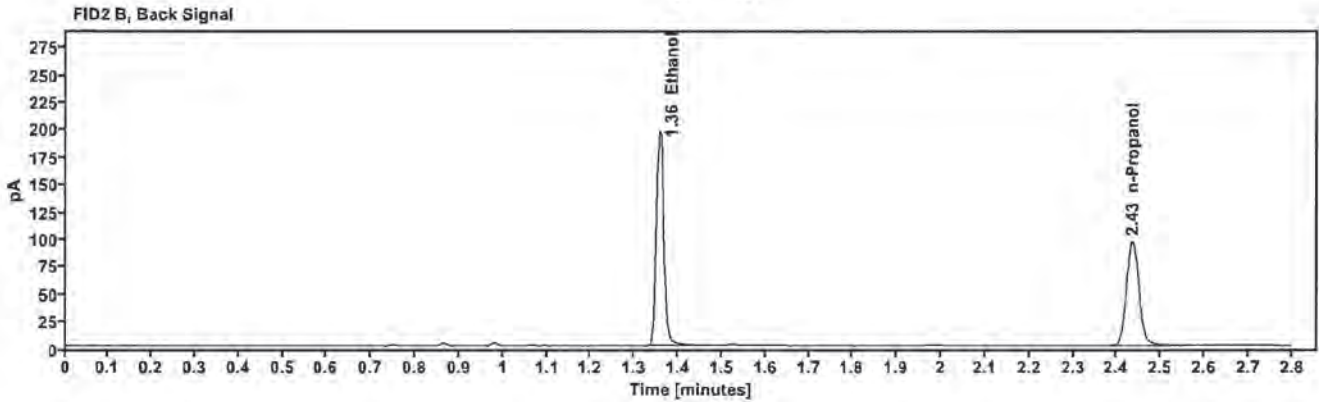
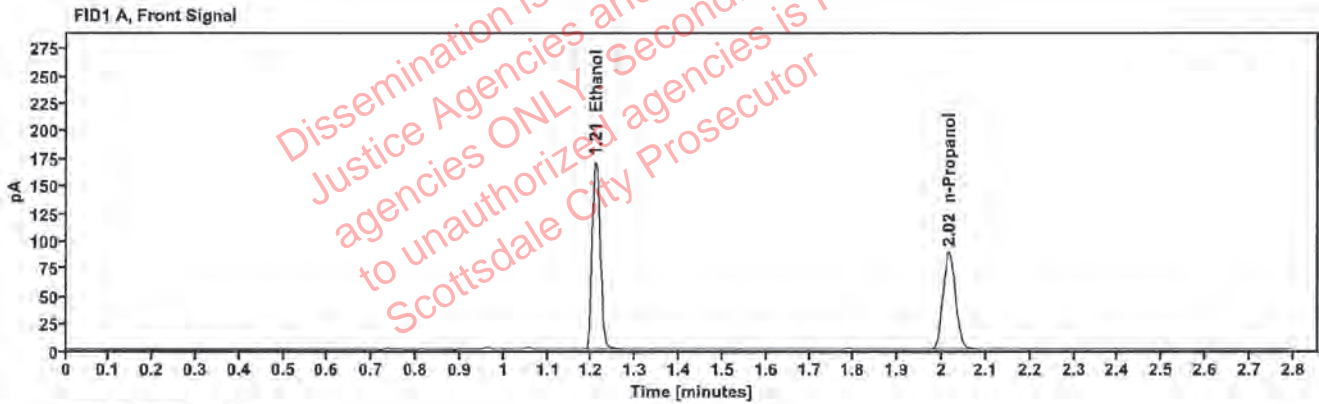


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3437	1.209	217.855
n-Propanol	—	2.015	176.375

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

Compound	Time (min)	Peak Area
Ethanol	1.357	239.202
n-Propanol	2.435	190.962

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	41801JG	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 3:50:31 PM
Data file:	C:\Chem32\1\Data\11Oct22\11.D	Analyst:	Brooke

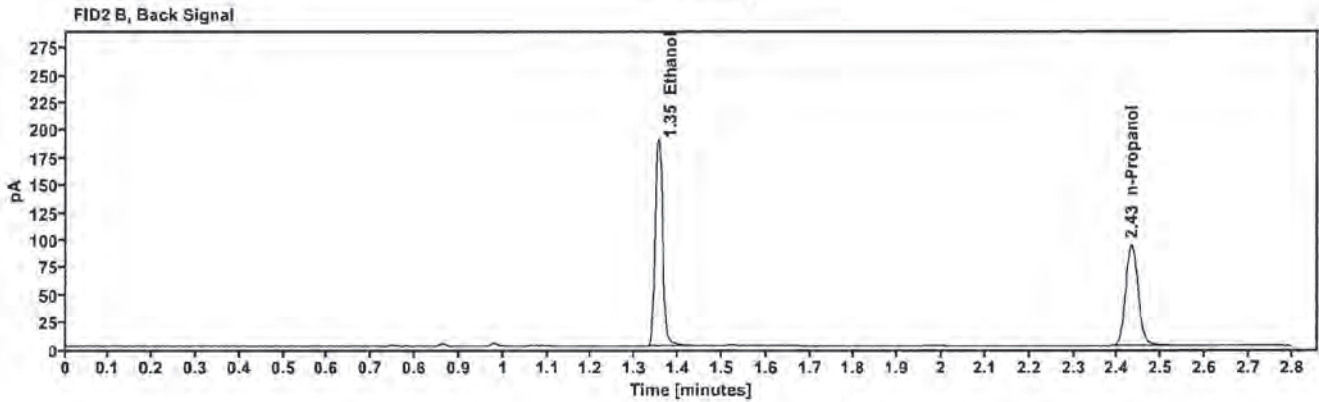
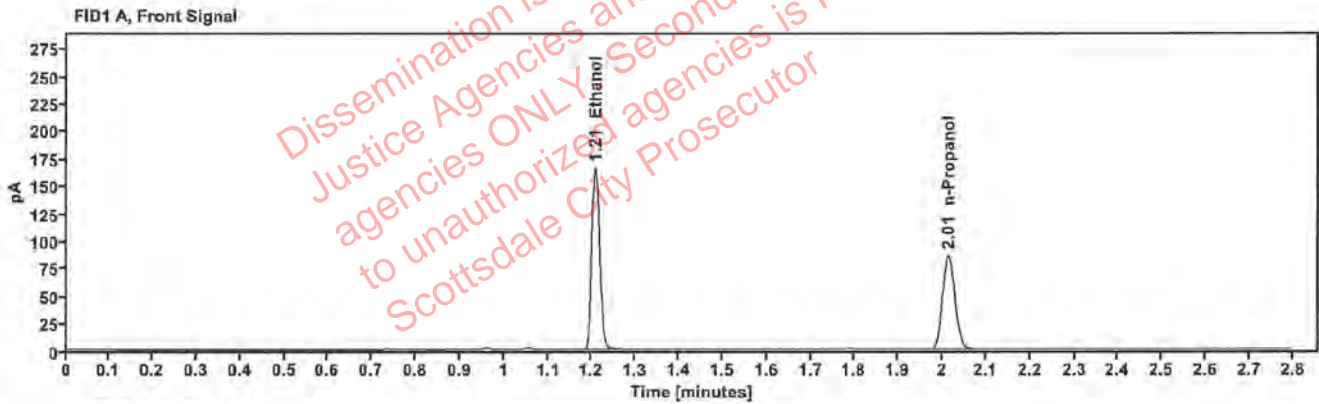


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3392	1.207	209.080
n-Propanol	—	2.014	171.512

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

Compound	Time (min)	Peak Area
Ethanol	1.354	229.478
n-Propanol	2.432	185.431

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439631	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 3:54:30 PM
Data file:	C:\Chem32\1\Data\11Oct22\12.D	Analyst:	Brooke

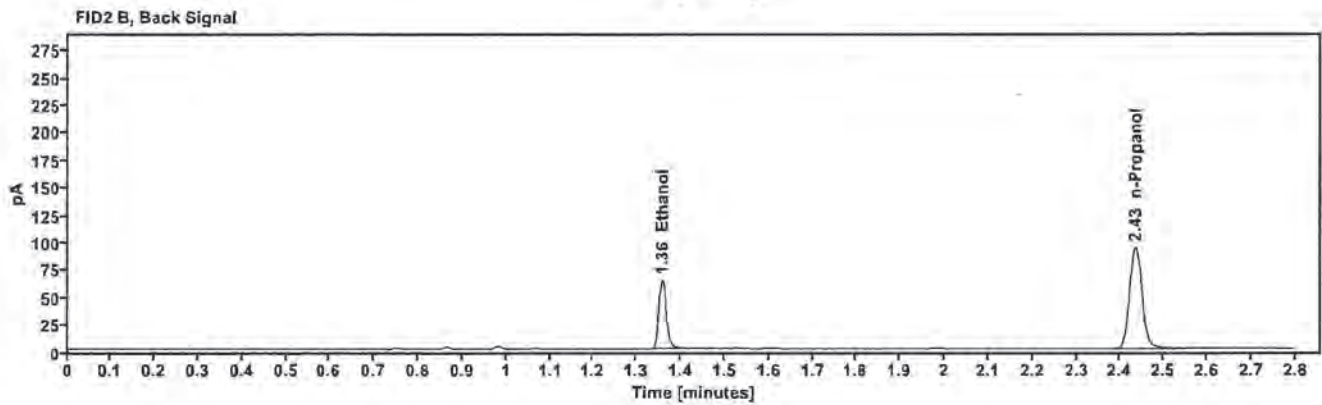
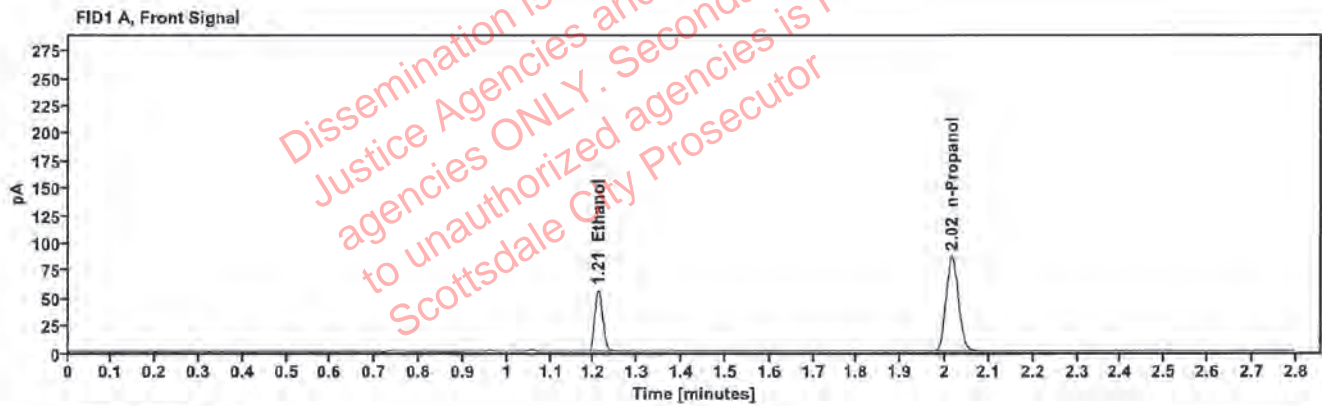


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1136	1.210	70.780
n-Propanol	—	2.015	172.530

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

Compound	Time (min)	Peak Area
Ethanol	1.357	77.129
n-Propanol	2.435	186.508

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439631	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 3:58:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\13.D	Analyst:	Brooke

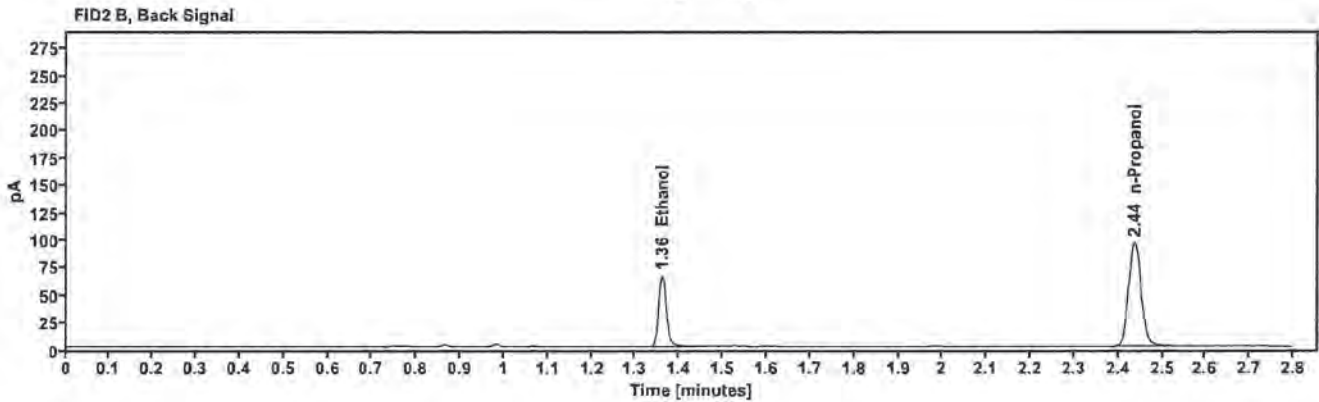
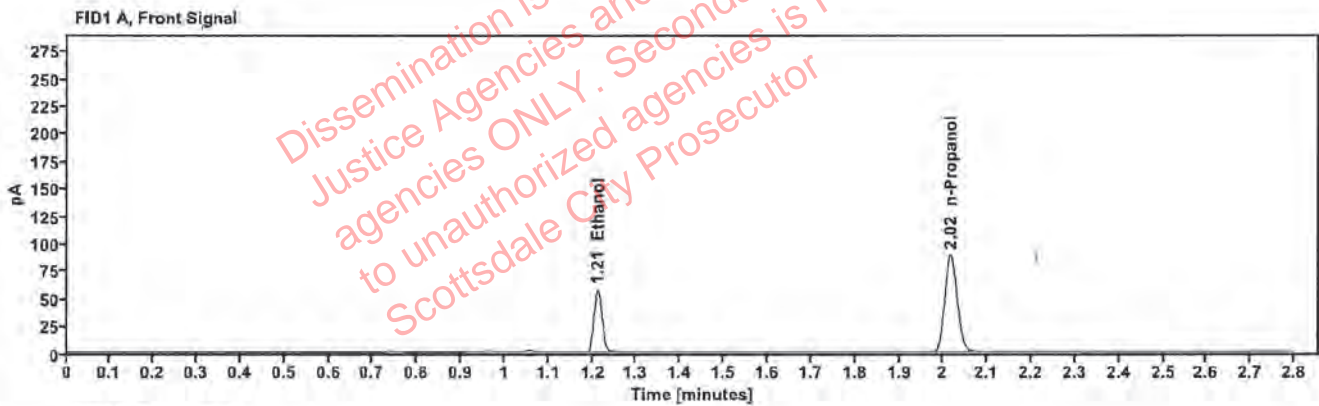


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1152	1.212	73.154
n-Propanol	—	2.017	175.854

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

Compound	Time (min)	Peak Area
Ethanol	1.360	79.578
n-Propanol	2.437	189.648



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439595	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:02:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\14.D	Analyst:	Brooke

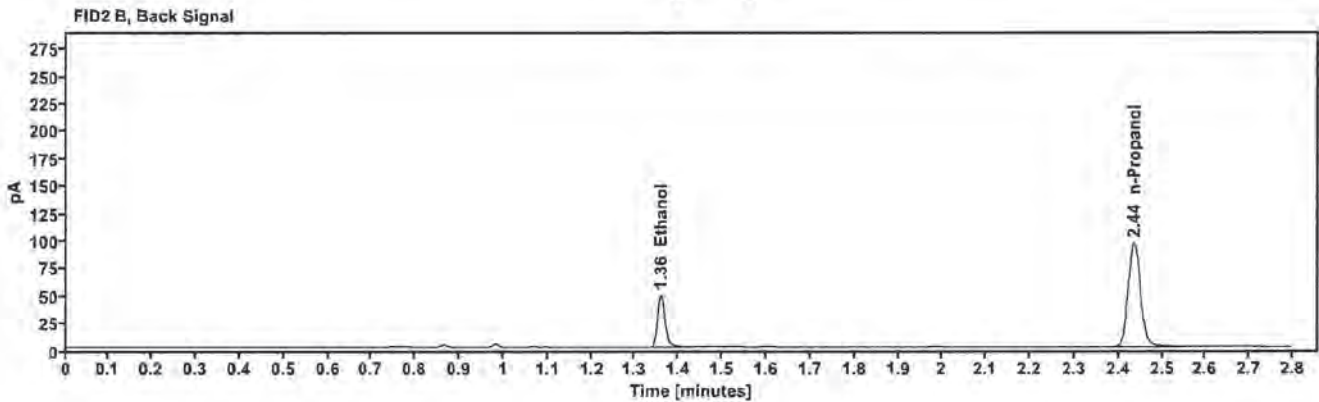
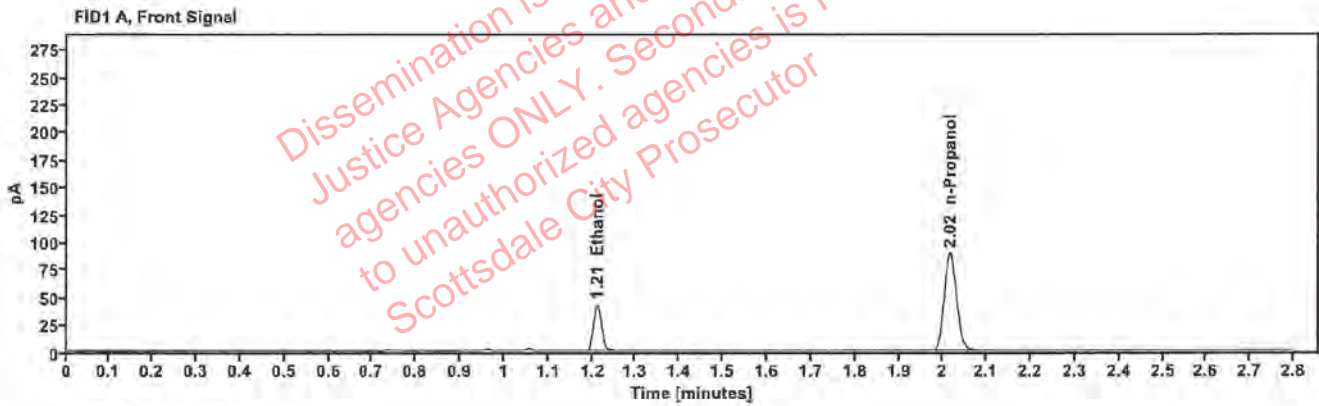


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0846	1.211	53.792
n-Propanol	—	2.016	175.703

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

Compound	Time (min)	Peak Area
Ethanol	1.359	58.402
n-Propanol	2.436	190.024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439595	Vial:	15
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:06:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\15.D	Analyst:	Brooke

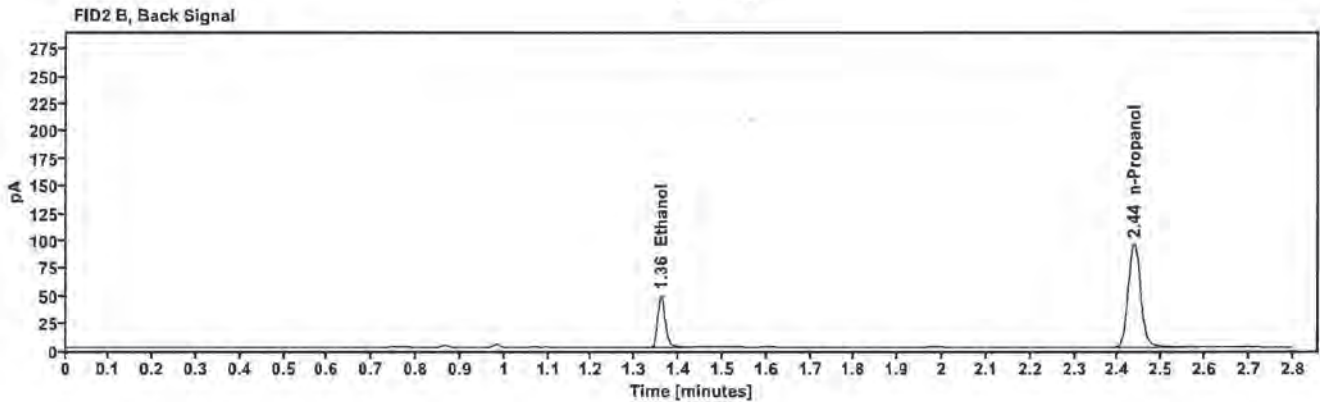
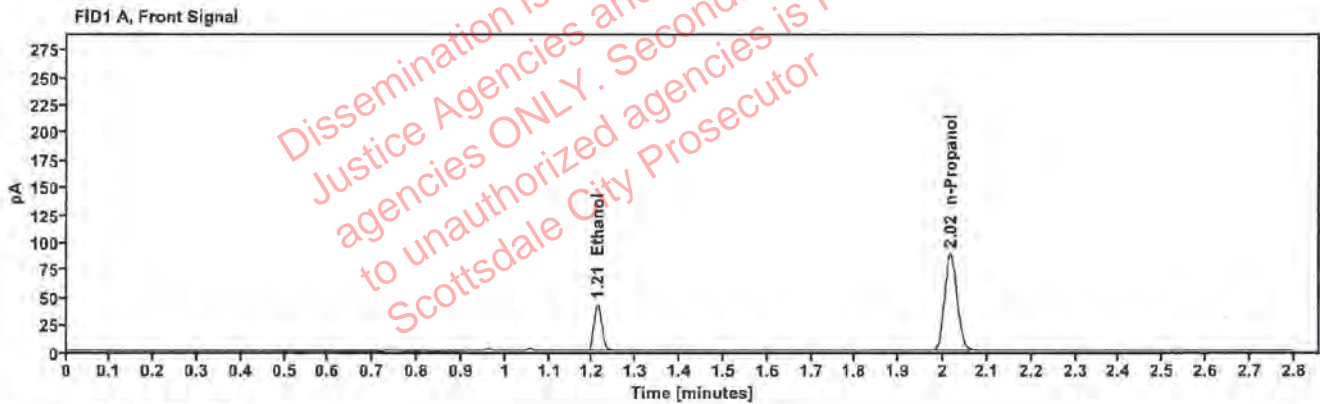


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0848	1.212	53.989
n-Propanol	—	2.016	175.807

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

Compound	Time (min)	Peak Area
Ethanol	1.360	58.683
n-Propanol	2.436	190.111

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439934	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:10:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\16.D	Analyst:	Brooke

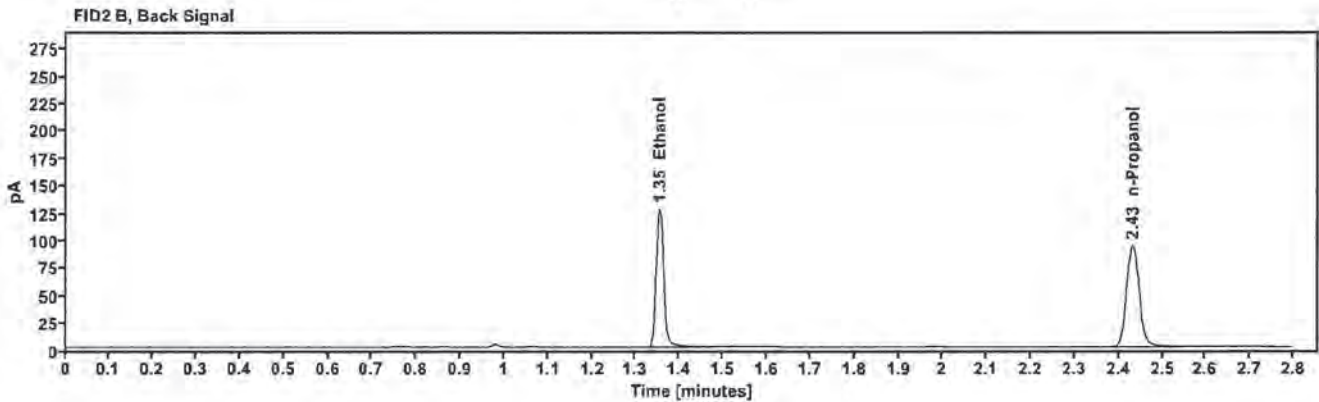
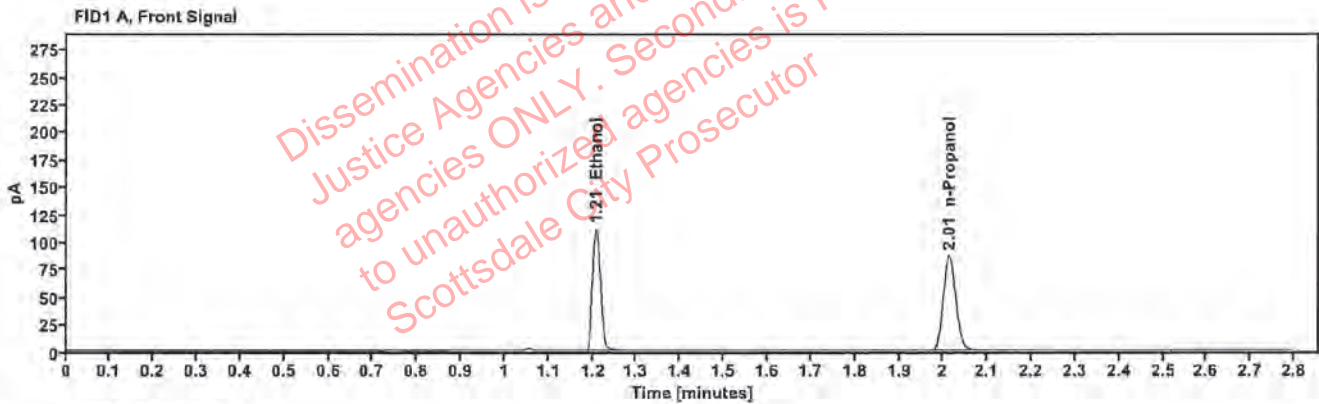


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2267	1.208	140.179
n-Propanol	—	2.013	171.872

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

Compound	Time (min)	Peak Area
Ethanol	1.354	153.593
n-Propanol	2.432	186.469

[REDACTED]: Brooke, Phillip - (12-Oct-2022)

Case: [REDACTED] User: pbrooke 10/12/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439934	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:14:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\17.D	Analyst:	Brooke

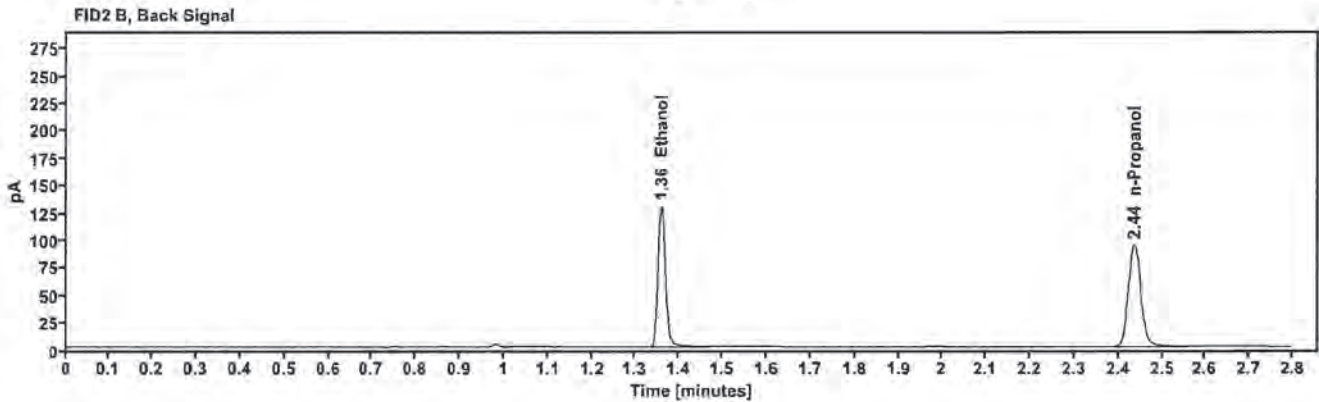
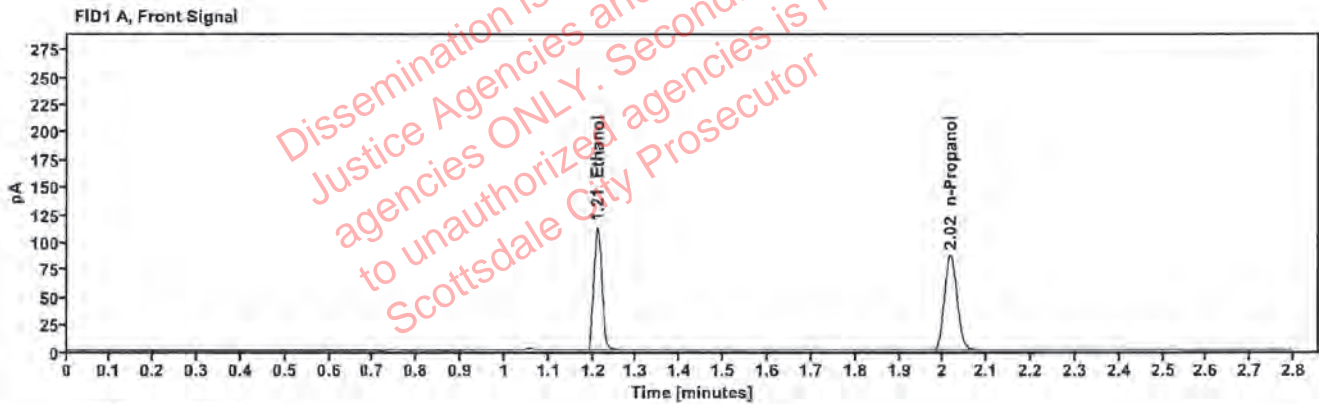


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2318	1.211	143.898
n-Propanol	—	2.016	172.535

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

Compound	Time (min)	Peak Area
Ethanol	1.359	159.278
n-Propanol	2.436	187.270

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440007	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:18:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\18.D	Analyst:	Brooke

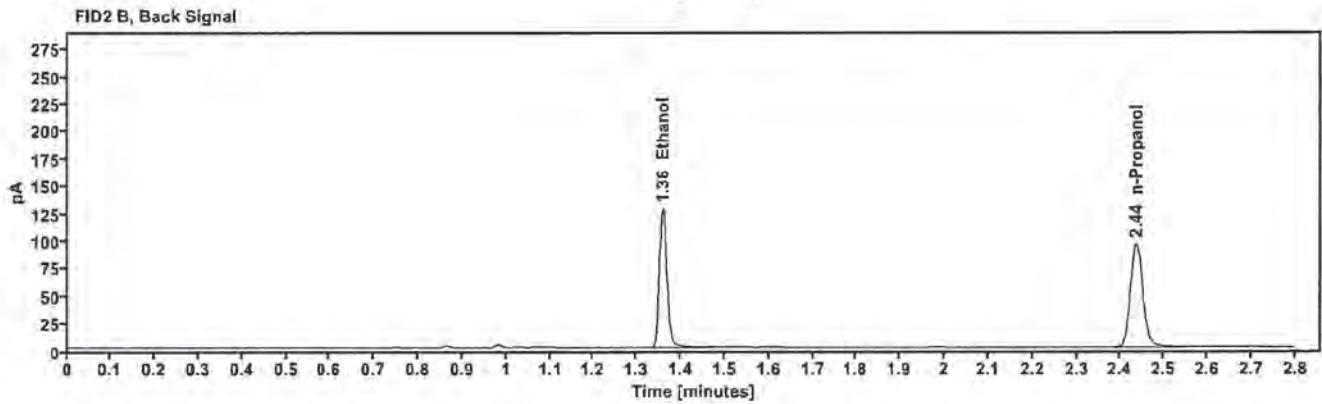
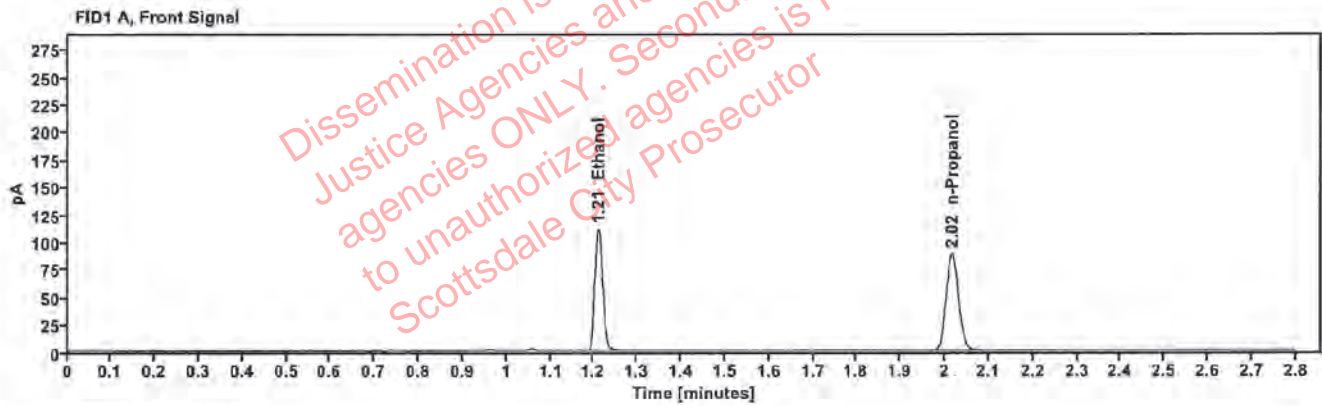


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2248	1.211	142.030
n-Propanol	—	2.016	175.543

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

Compound	Time (min)	Peak Area
Ethanol	1.359	155.861
n-Propanol	2.436	189.532

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440007	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:23:01 PM
Data file:	C:\Chem32\1\Data\11Oct22\19.D	Analyst:	Brooke

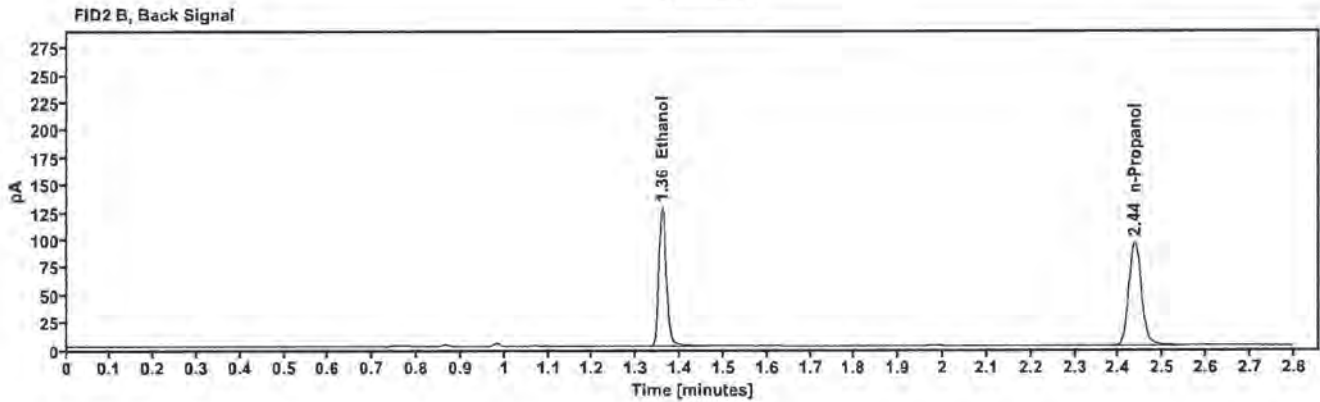
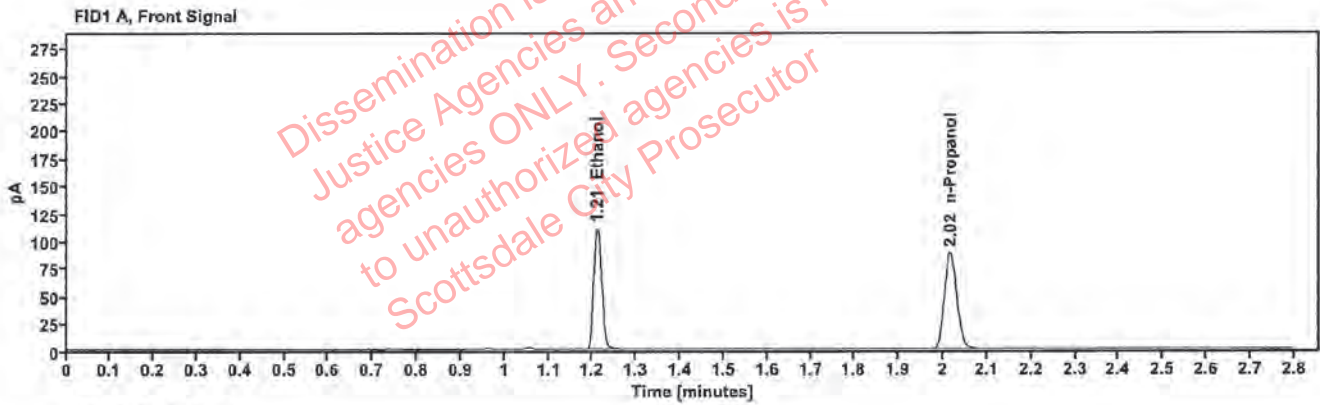


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2239	1.211	141.375
n-Propanol	—	2.016	175.489

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

Compound	Time (min)	Peak Area
Ethanol	1.359	155.069
n-Propanol	2.436	189.560

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439997	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:31:01 PM
Data file:	C:\Chem32\1\Data\11Oct22\21.D	Analyst:	Brooke

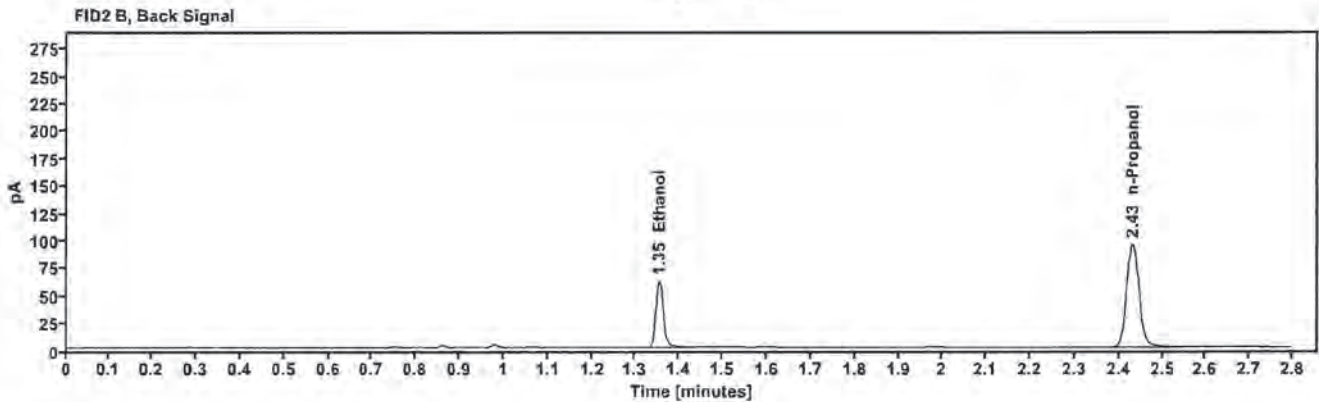
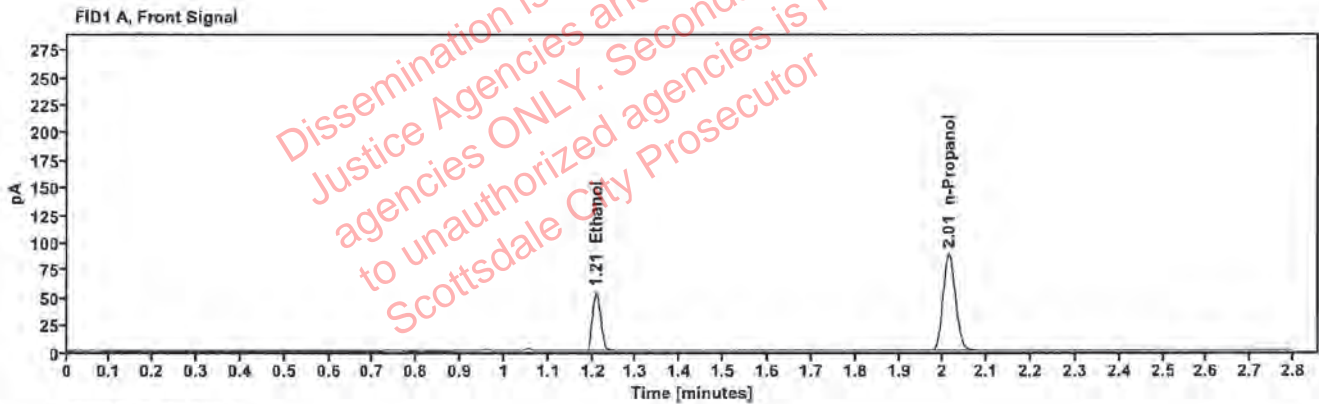


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1074	1.208	68.013
n-Propanol	—	2.013	175.265

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

Compound	Time (min)	Peak Area
Ethanol	1.354	73.913
n-Propanol	2.431	189.771

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439997	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:35:01 PM
Data file:	C:\Chem32\1\Data\11Oct22\22.D	Analyst:	Brooke

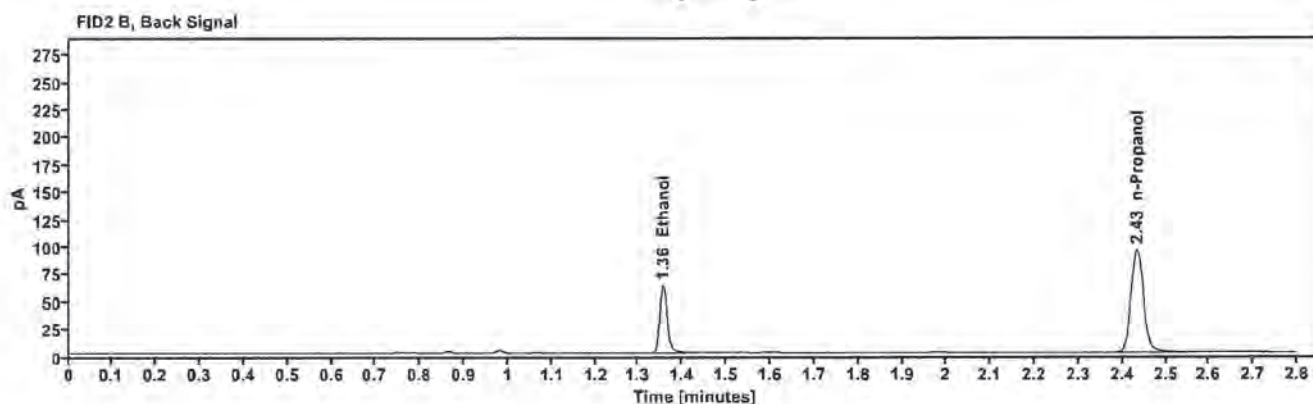
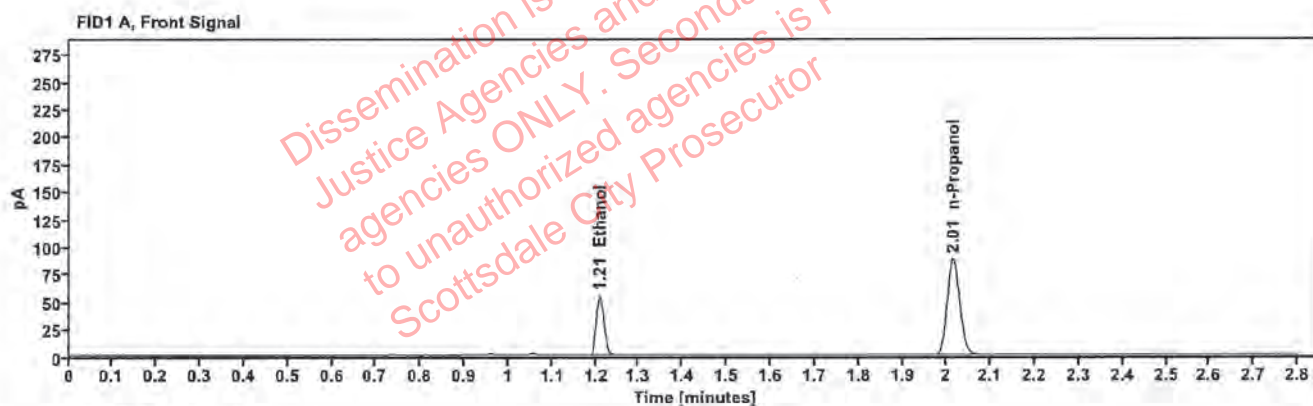


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1092	1.209	68.807
n-Propanol	—	2.014	174.357

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

Compound	Time (min)	Peak Area
Ethanol	1.356	74.821
n-Propanol	2.433	188.710



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401VM	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:39:00 PM
Data file:	C:\Chem32\1\Data\11Oct22\23.D	Analyst:	Brooke

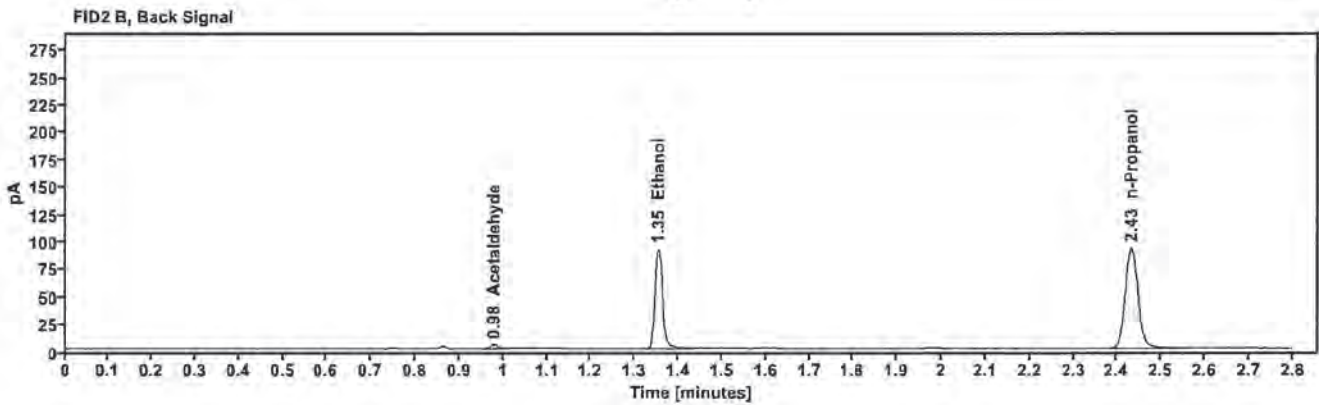
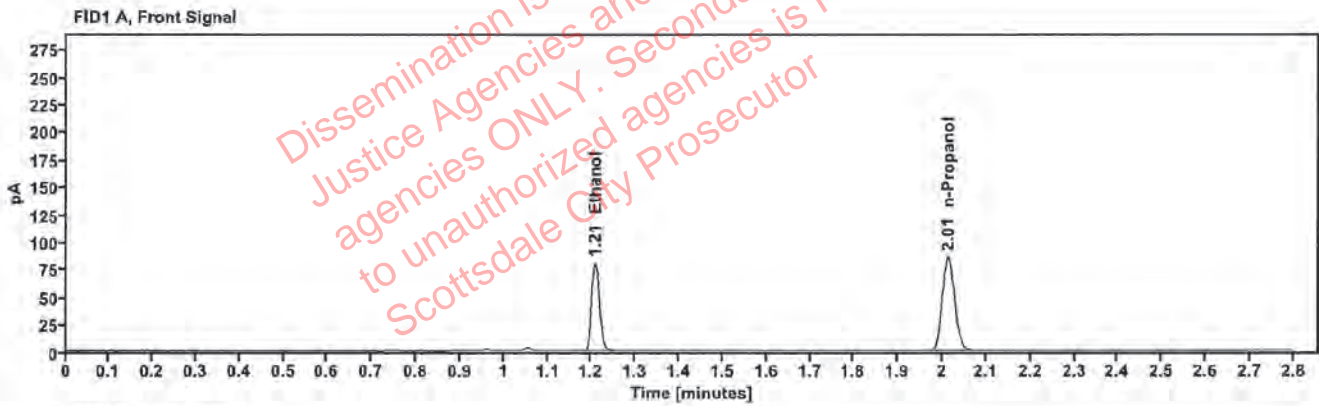


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1651	1.208	101.465
n-Propanol	—	2.013	170.554

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	3.755
Ethanol	1.354	110.732
n-Propanol	2.431	184.805

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401VM	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:43:01 PM
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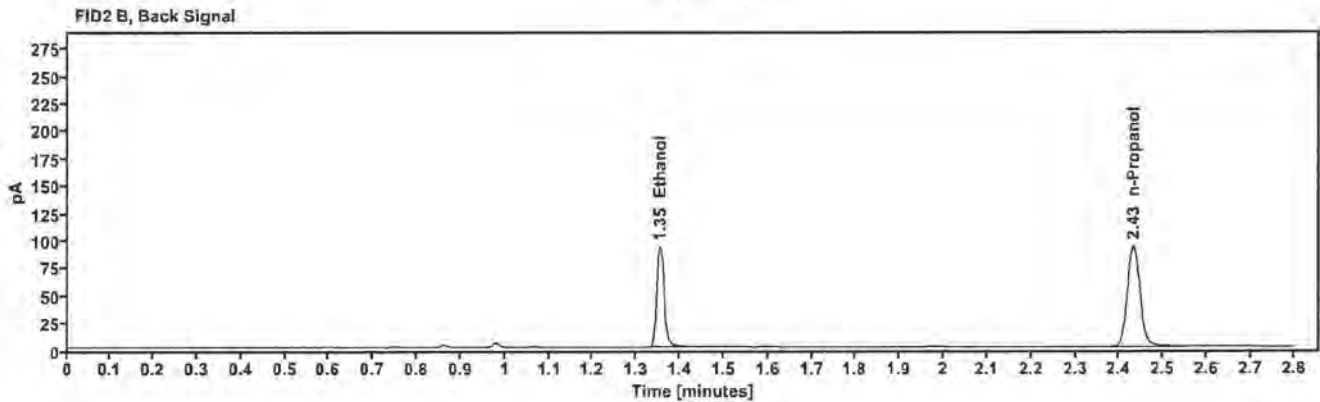
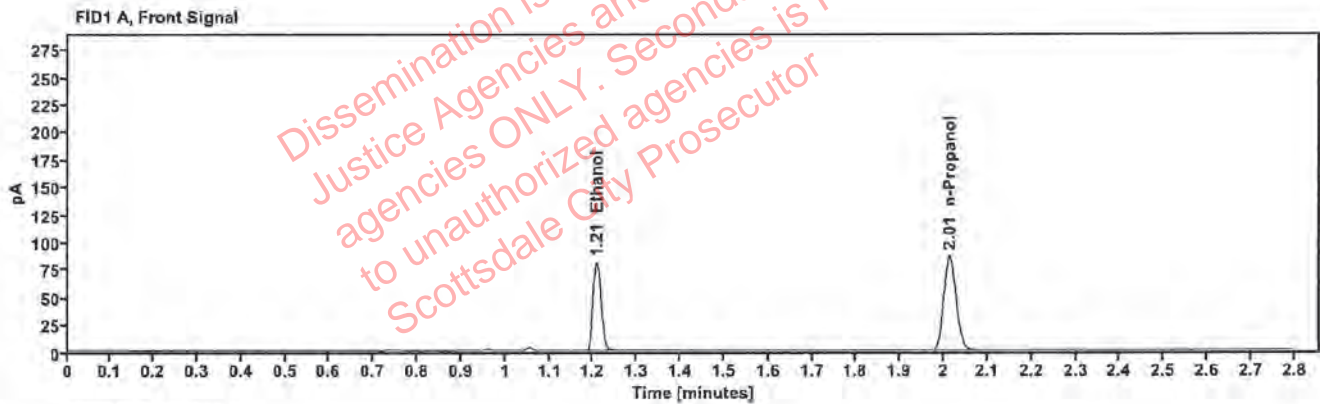


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1654	1.208	102.471
n-Propanol	—	2.013	171.962

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

Compound	Time (min)	Peak Area
Ethanol	1.354	111.341
n-Propanol	2.431	186.226

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4021VB	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:47:16 PM
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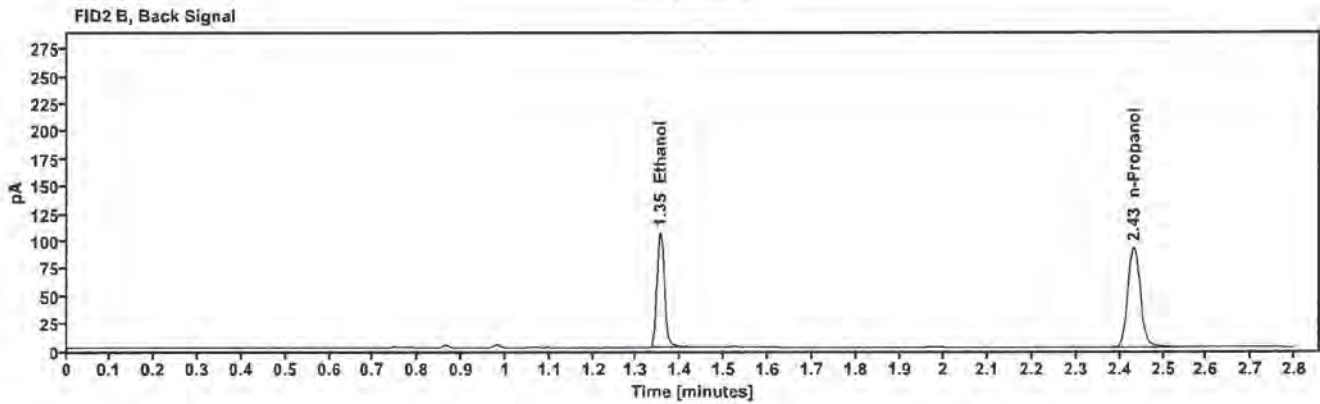
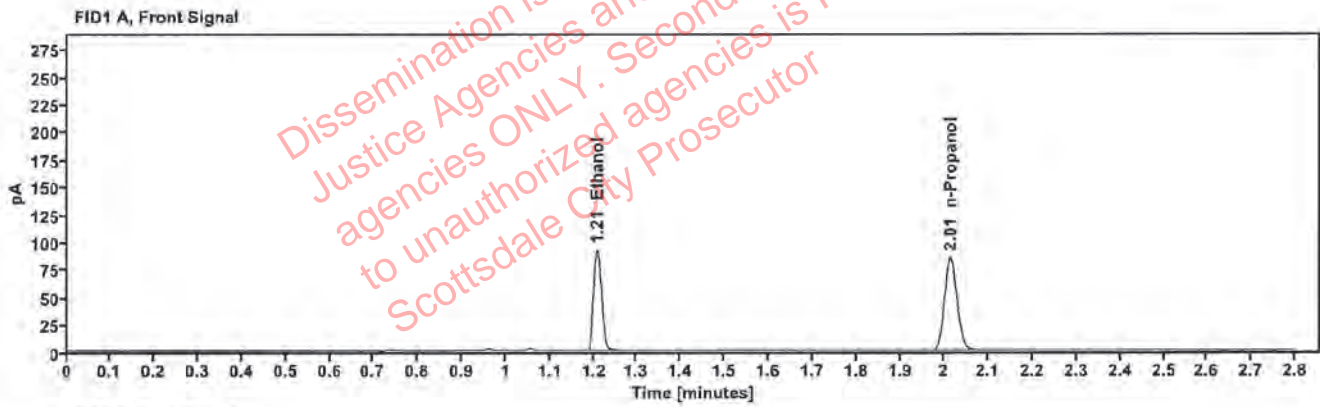


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1921	1.208	117.377
n-Propanol	—	2.013	169.681

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

Compound	Time (min)	Peak Area
Ethanol	1.354	128.381
n-Propanol	2.432	183.527

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4021VB	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:51:17 PM
Data file:	C:\Chem32\1\Data\11Oct22\26.D	Analyst:	Brooke

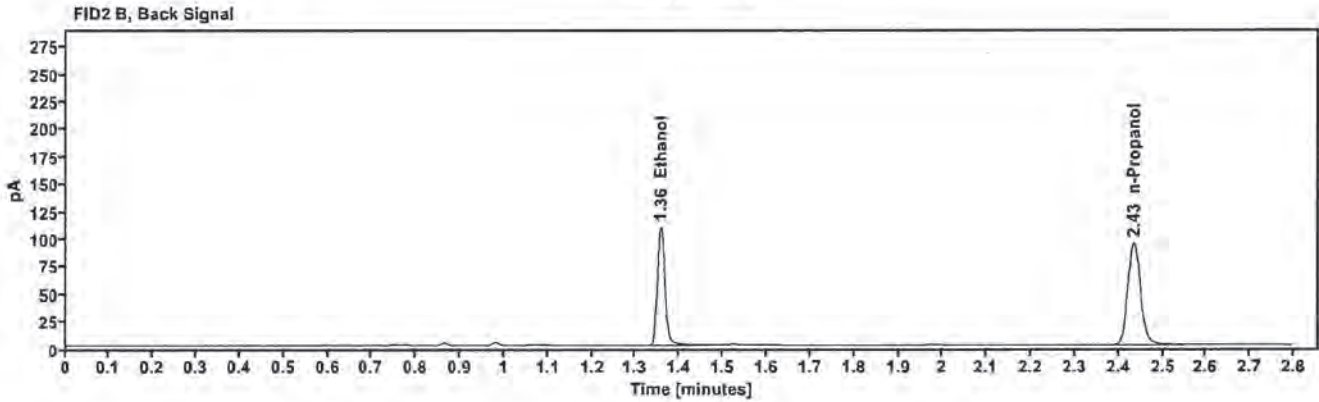
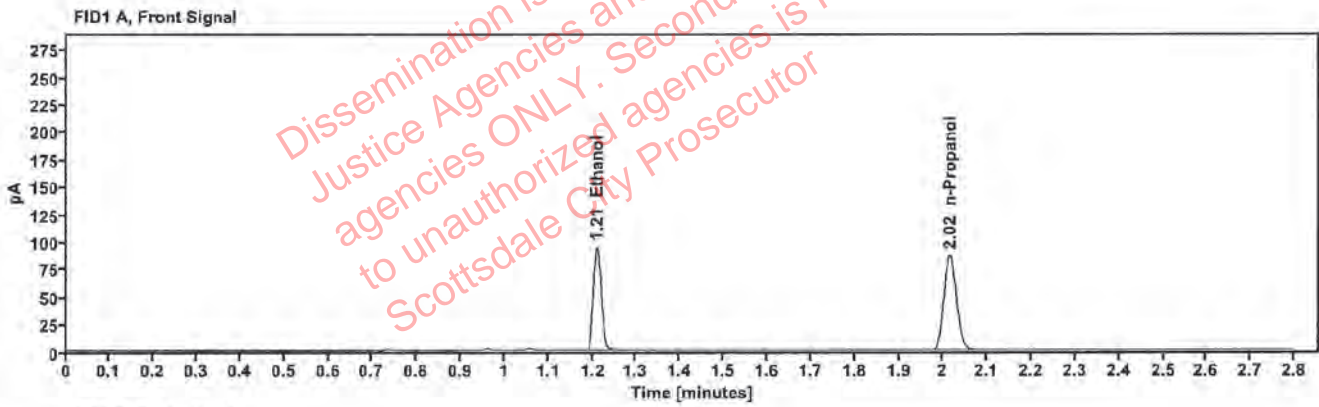


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1944	1.210	121.013
n-Propanol	—	2.015	172.865

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

Compound	Time (min)	Peak Area
Ethanol	1.357	132.778
n-Propanol	2.435	186.956

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3951XA	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:55:16 PM
Data file:	C:\Chem32\1\Data\11Oct22\27.D	Analyst:	Brooke

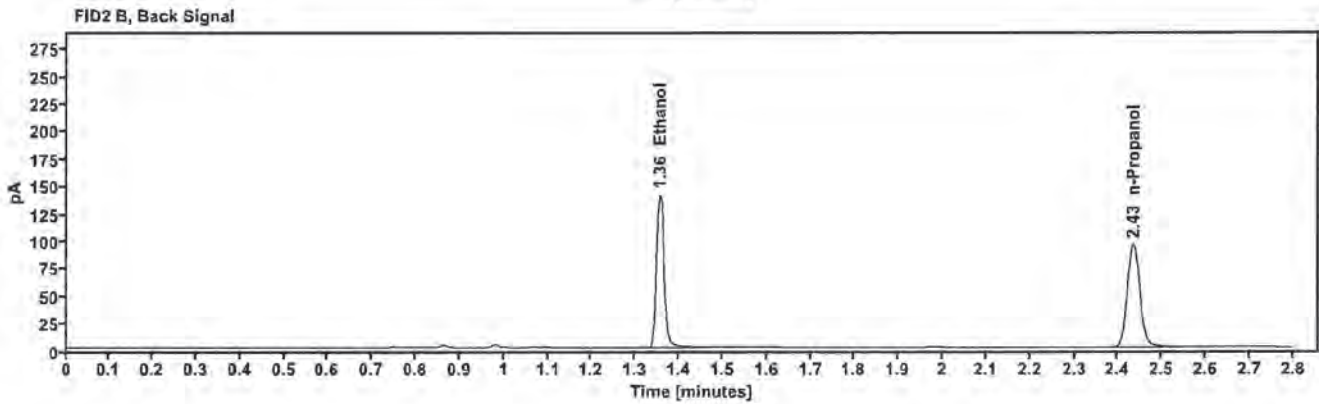
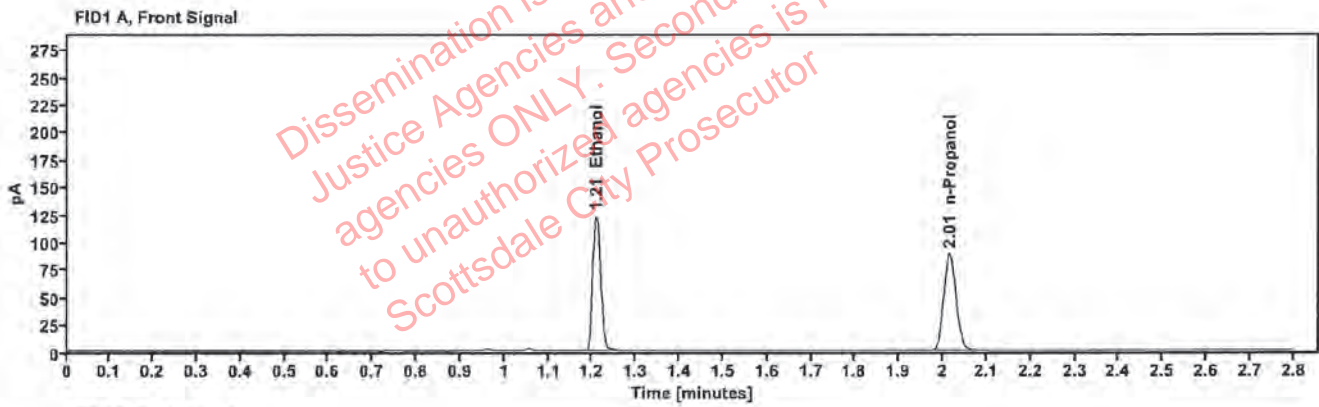


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2469	1.209	155.855
n-Propanol	—	2.015	175.460

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

Compound	Time (min)	Peak Area
Ethanol	1.356	170.984
n-Propanol	2.434	189.228

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3951XA	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 4:59:16 PM
Data file:	C:\Chem32\1\Data\11Oct22\28.D	Analyst:	Brooke

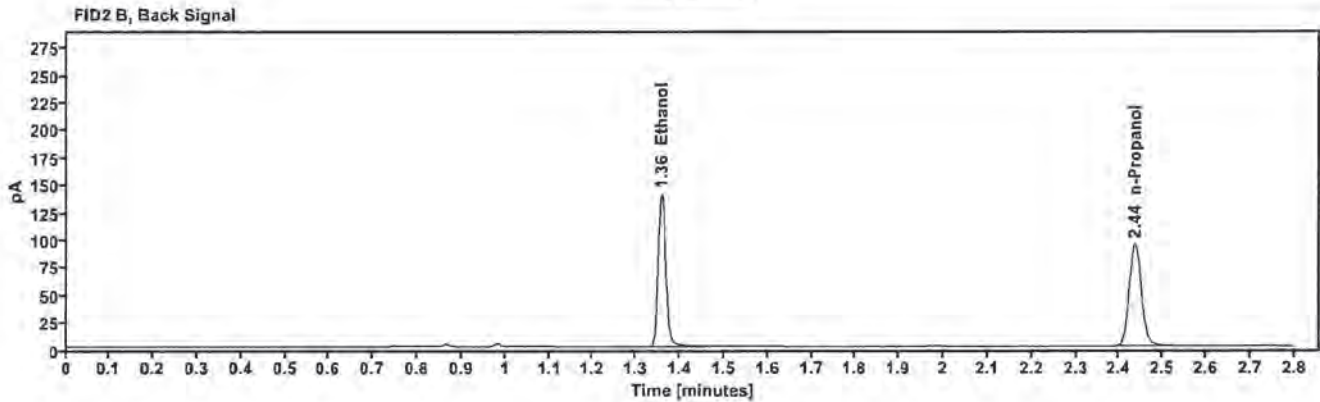
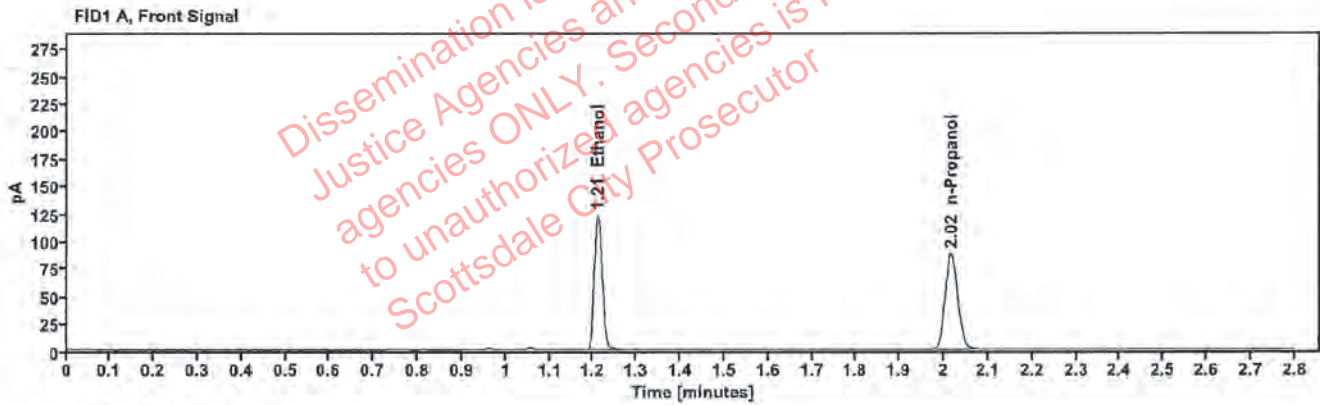


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2495	1.210	155.844
n-Propanol	—	2.016	173.669

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

Compound	Time (min)	Peak Area
Ethanol	1.358	170.928
n-Propanol	2.436	187.190

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401JT	Vial:	29
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:03:16 PM
Data file:	C:\Chem32\1\Data\11Oct22\29.D	Analyst:	Brooke

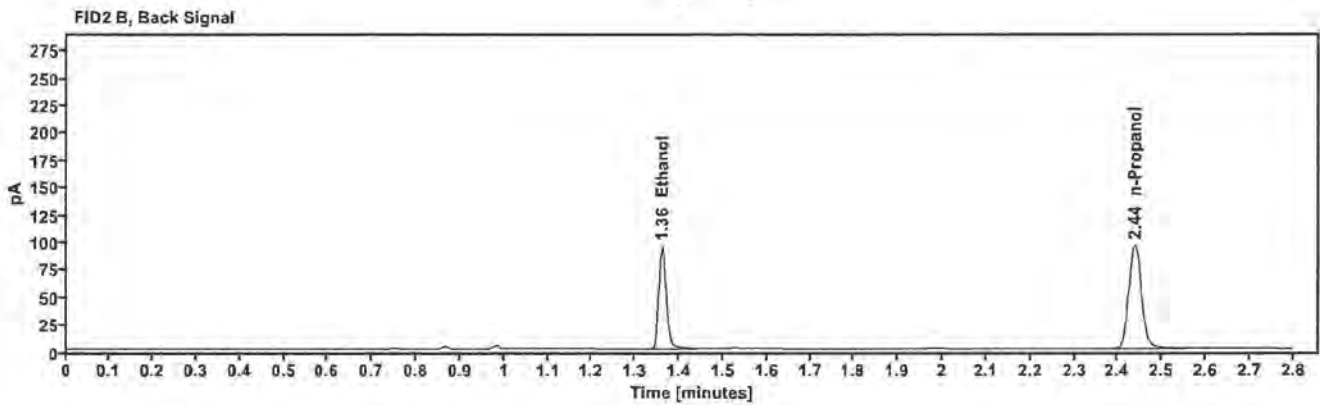
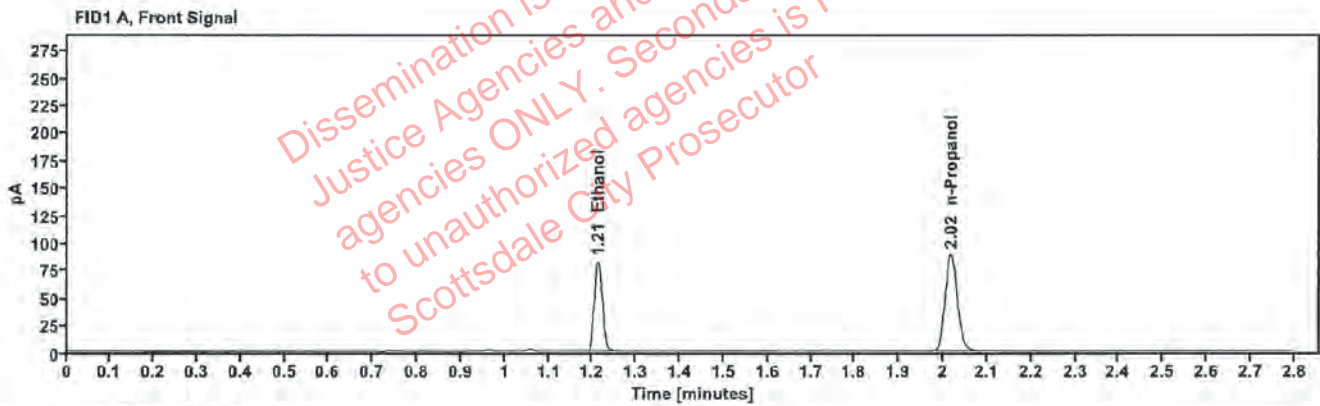


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1664	1.212	105.441
n-Propanol	—	2.018	175.861

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

Compound	Time (min)	Peak Area
Ethanol	1.361	115.193
n-Propanol	2.438	190.192

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401JT	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:07:15 PM
Data file:	C:\Chem32\1\Data\11Oct22\30.D	Analyst:	Brooke

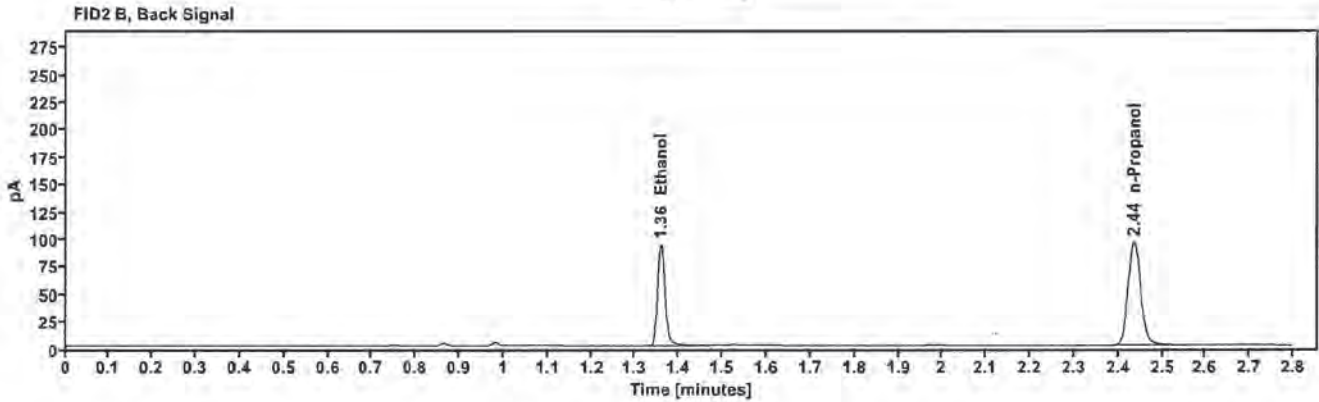
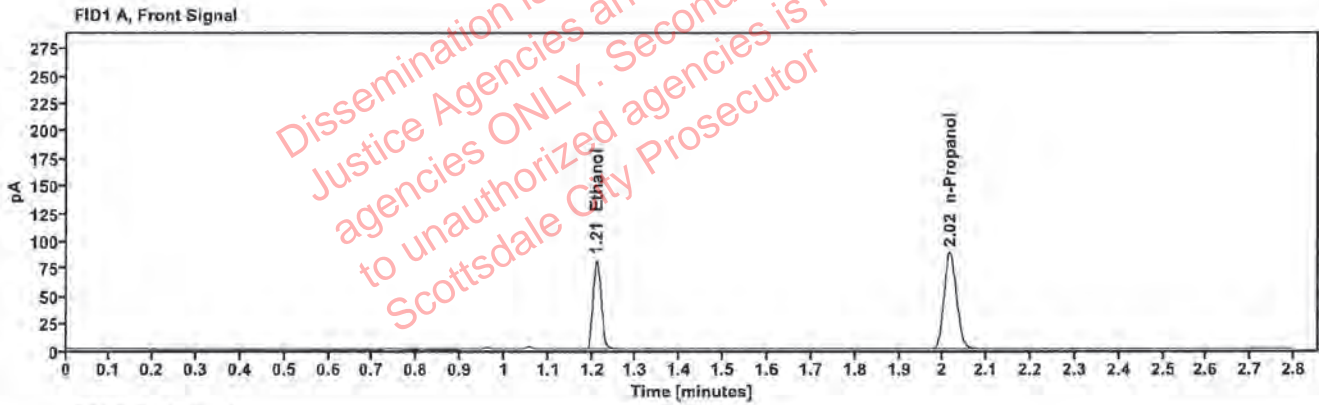


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1646	1.210	104.007
n-Propanol	—	2.016	175.393

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

Compound	Time (min)	Peak Area
Ethanol	1.358	115.067
n-Propanol	2.436	189.585



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439782	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:15:31 PM
Data file:	C:\Chem32\1\Data\11Oct22\32.D	Analyst:	Brooke

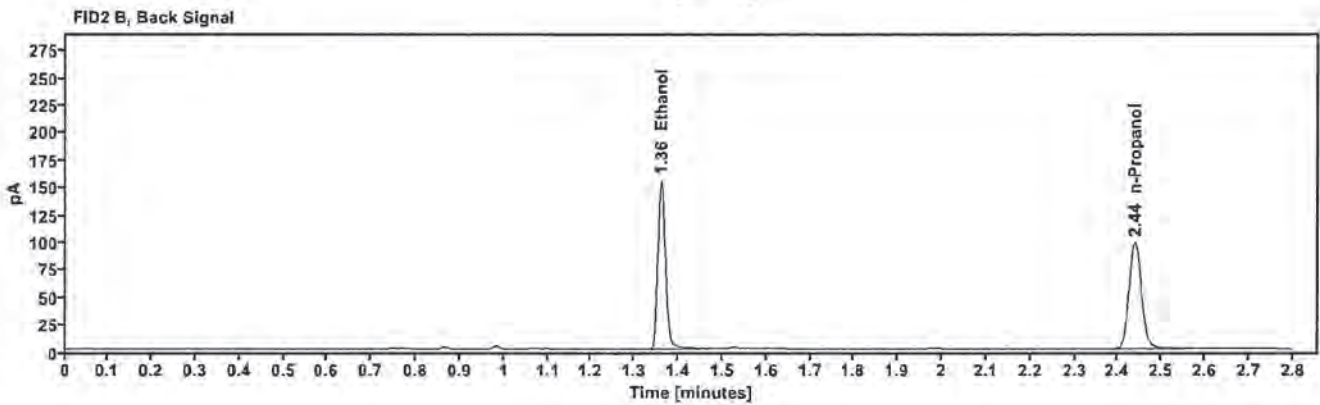
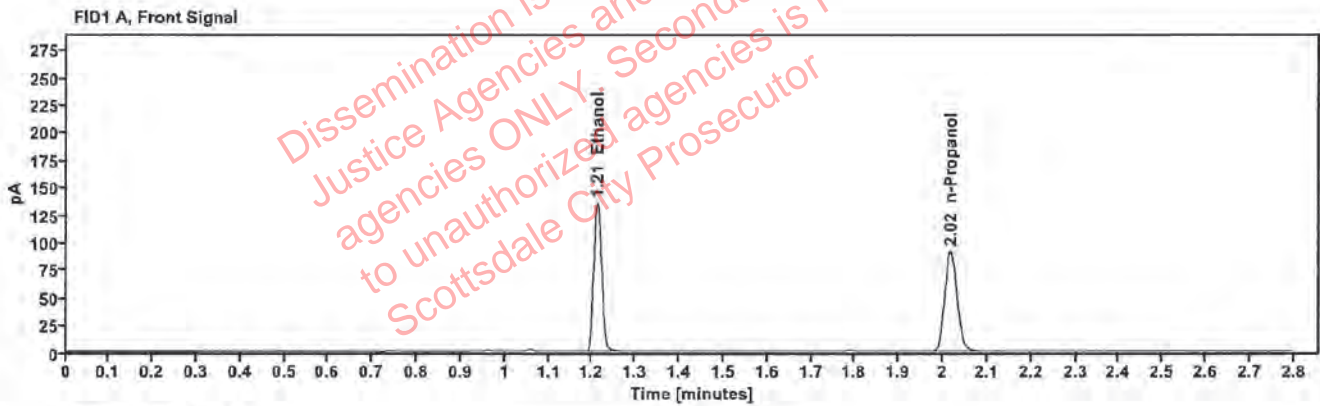


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2662	1.212	172.751
n-Propanol	—	2.018	180.454

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

Compound	Time (min)	Peak Area
Ethanol	1.361	189.632
n-Propanol	2.438	194.312

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439782	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:19:31 PM
Data file:	C:\Chem32\1\Data\11Oct22\33.D	Analyst:	Brooke

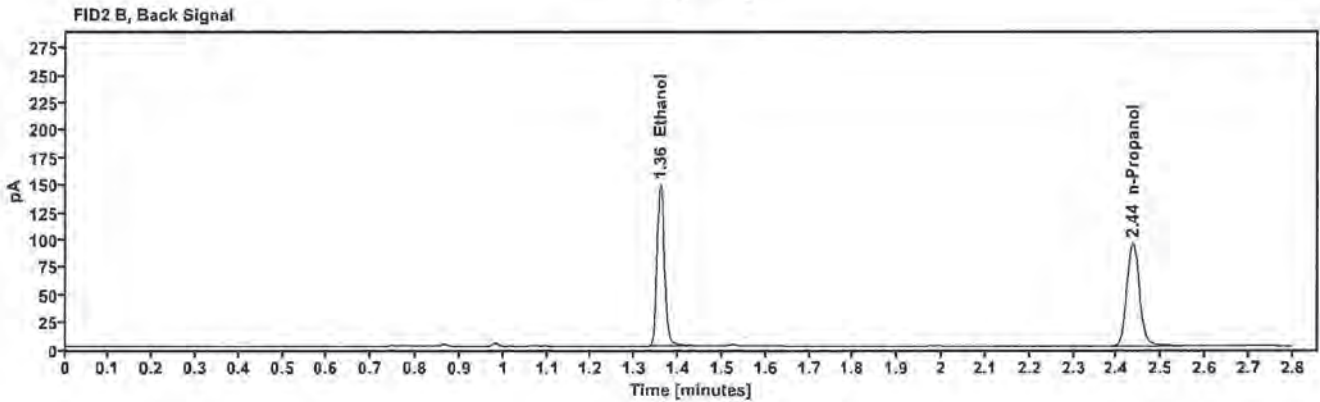
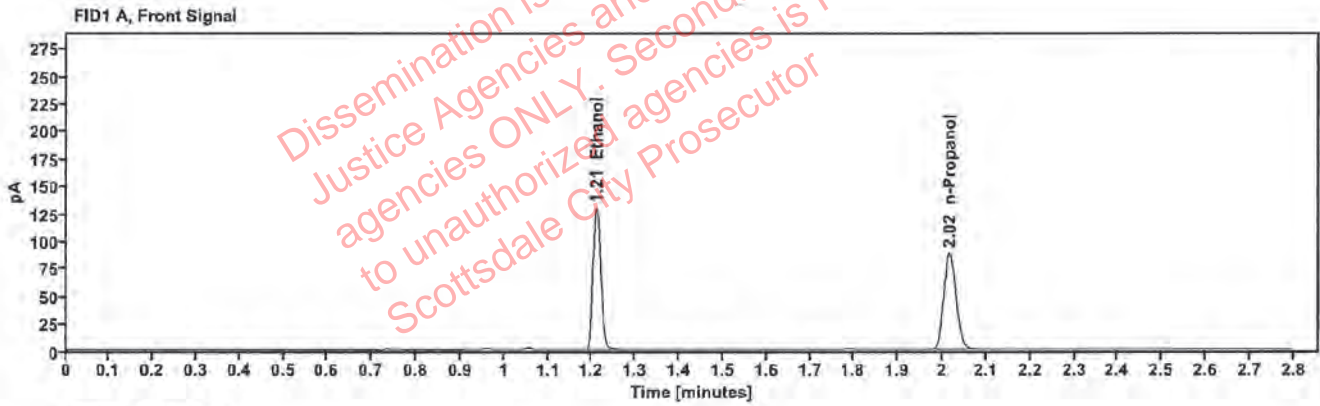


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2620	1.210	164.632
n-Propanol	—	2.016	174.732

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

Compound	Time (min)	Peak Area
Ethanol	1.358	180.471
n-Propanol	2.436	188.088

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439906	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:23:31 PM
Data file:	C:\Chem32\1\Data\11Oct22\34.D	Analyst:	Brooke

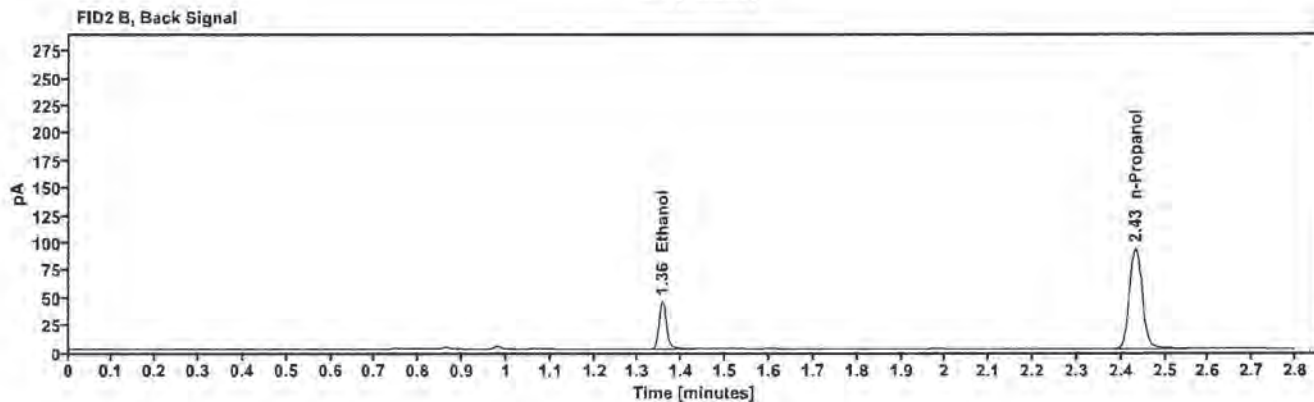
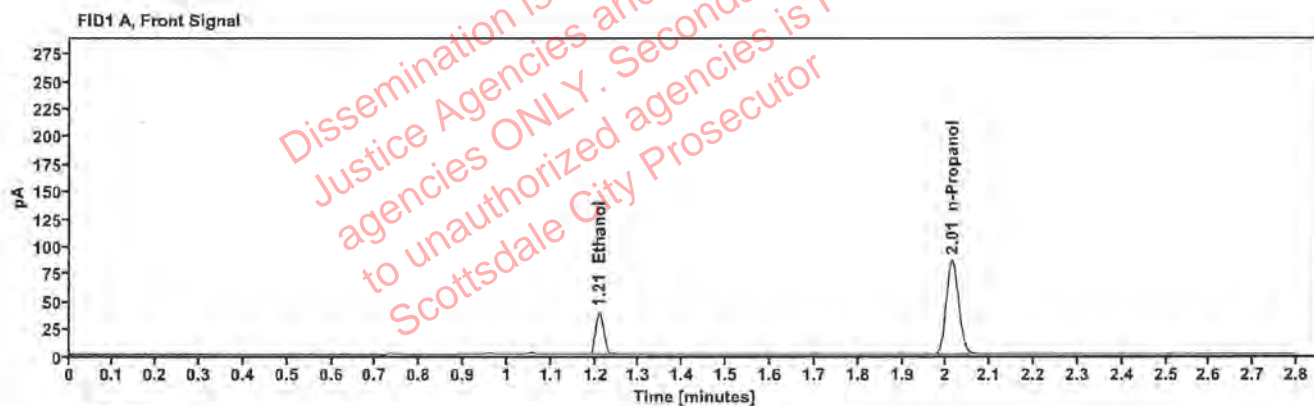


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0796	1.209	49.329
n-Propanol	—	2.014	171.104

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.432
n-Propanol	2.432	185.063

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439906	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:27:30 PM
Data file:	C:\Chem32\1\Data\11Oct22\35.D	Analyst:	Brooke

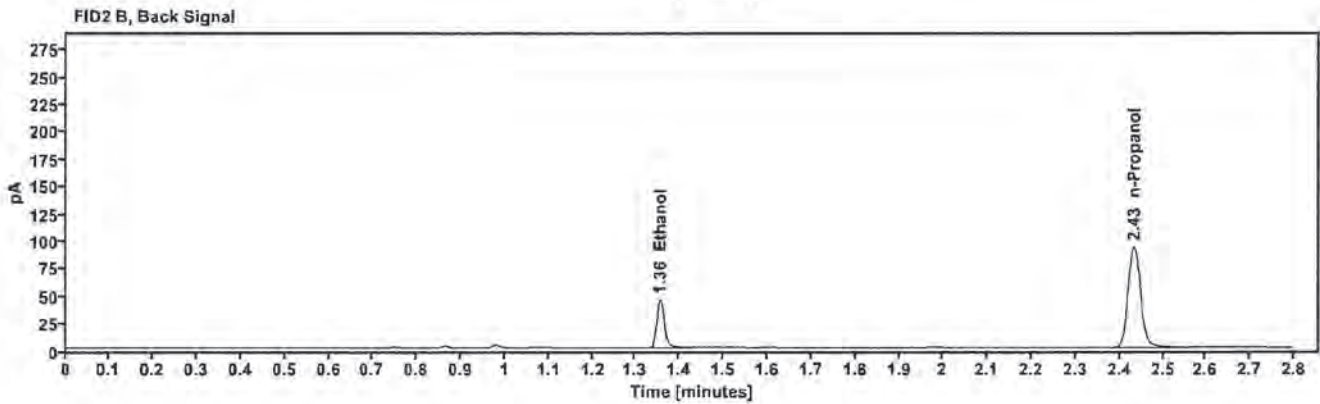
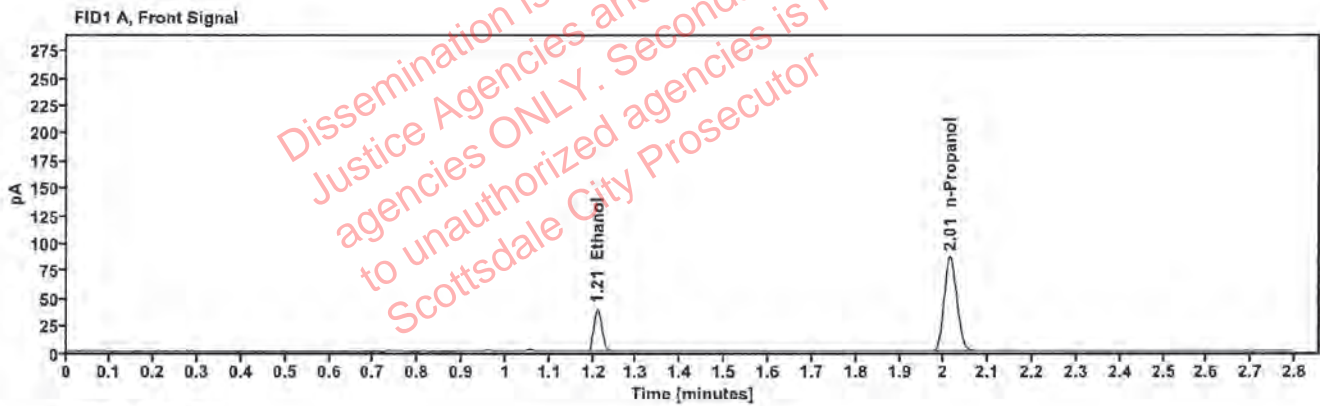


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0796	1.210	49.557
n-Propanol	—	2.014	171.840

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

Compound	Time (min)	Peak Area
Ethanol	1.356	53.710
n-Propanol	2.433	186.106

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440330	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:31:31 PM
Data file:	C:\Chem32\1\Data\11Oct22\36.D	Analyst:	Brooke

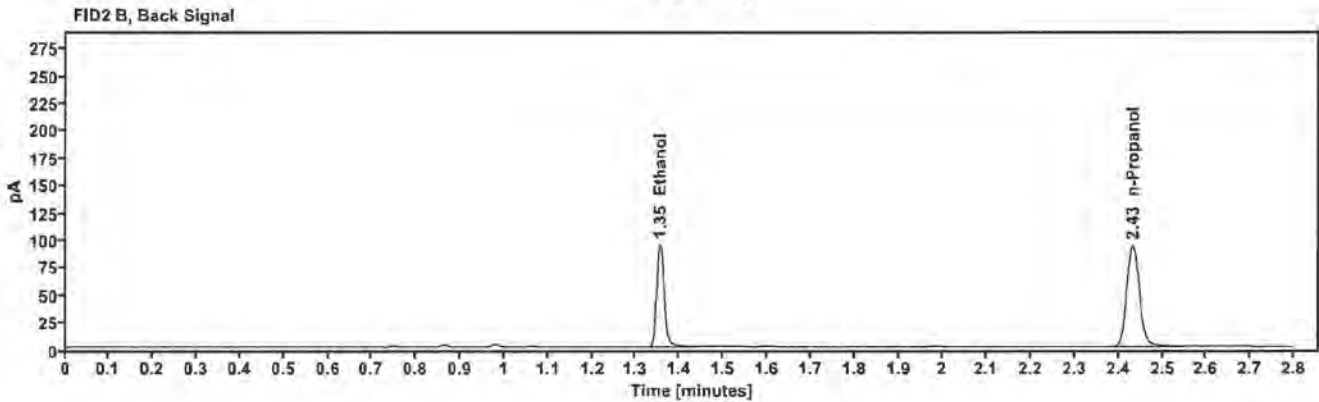
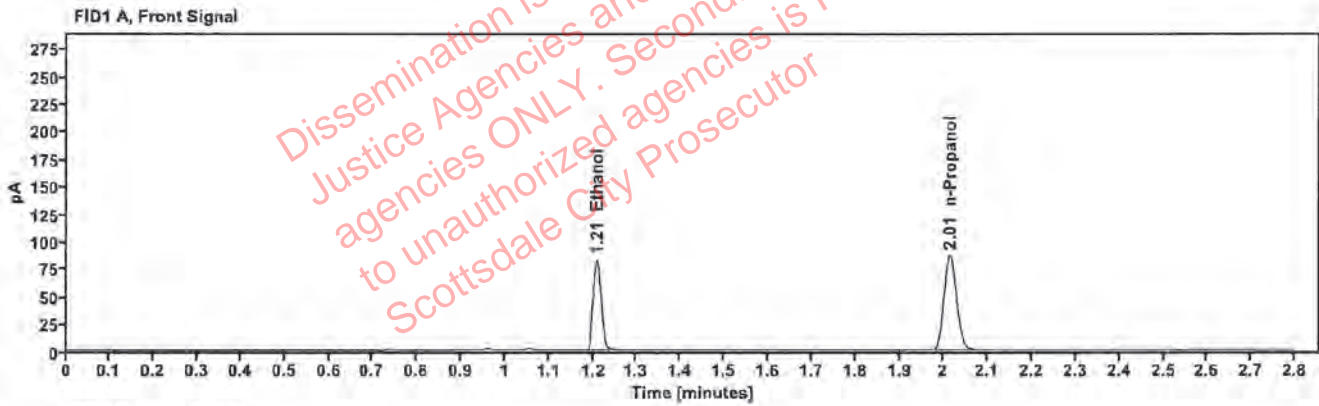


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1682	1.208	104.237
n-Propanol	—	2.014	172.038

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

Compound	Time (min)	Peak Area
Ethanol	1.355	113.813
n-Propanol	2.432	185.880

[REDACTED]: Brooke, Phillip - (12-Oct-2022)

Case: [REDACTED] User: pbrooke 10/12/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440330	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:35:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\37.D	Analyst:	Brooke

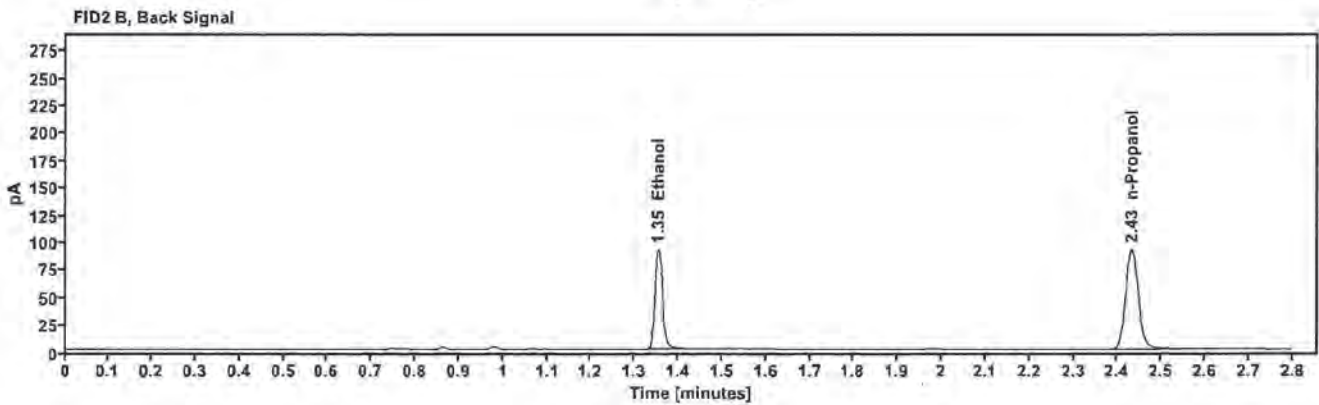
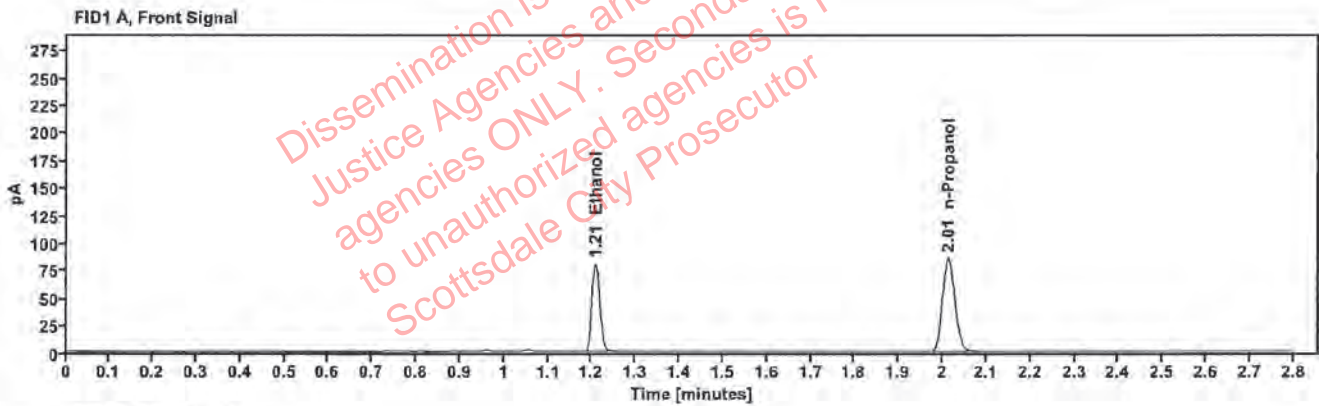


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1665	1.208	102.054
n-Propanol	—	2.013	170.139

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

Compound	Time (min)	Peak Area
Ethanol	1.353	111.515
n-Propanol	2.432	183.943

[REDACTED]: Brooke, Phillip - (12-Oct-2022)

Case: [REDACTED] User: pbrooke 10/12/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440442	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:39:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\38.D	Analyst:	Brooke

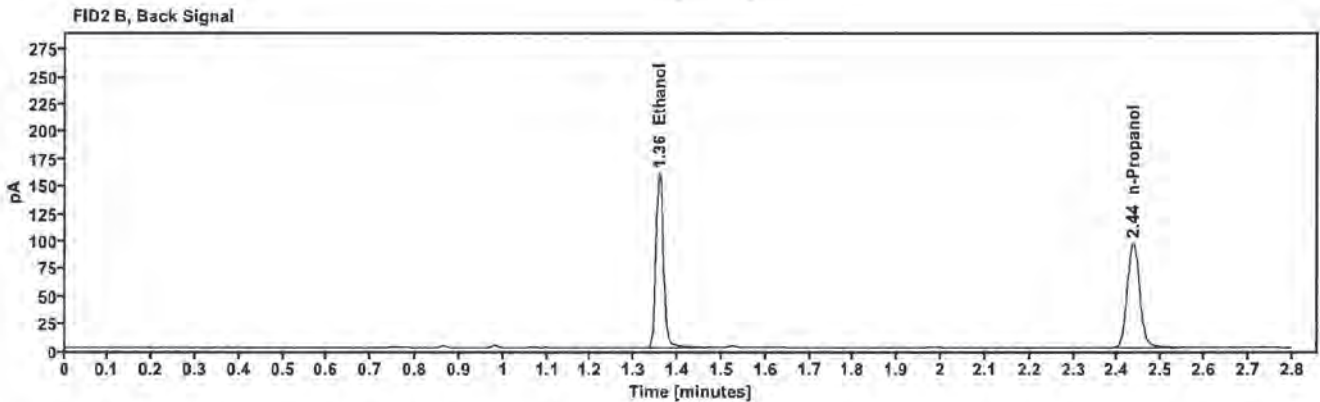
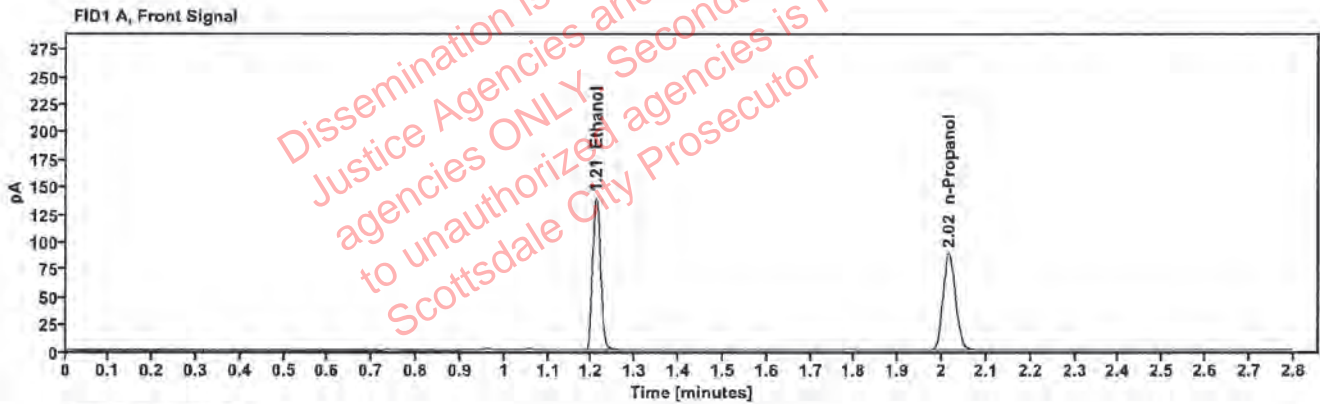


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2791	1.210	177.290
n-Propanol	—	2.016	176.640

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

Compound	Time (min)	Peak Area
Ethanol	1.358	194.430
n-Propanol	2.435	190.361

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440442	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/11/2022 5:43:46 PM
Data file:	C:\Chem32\1\Data\11Oct22\39.D	Analyst:	Brooke

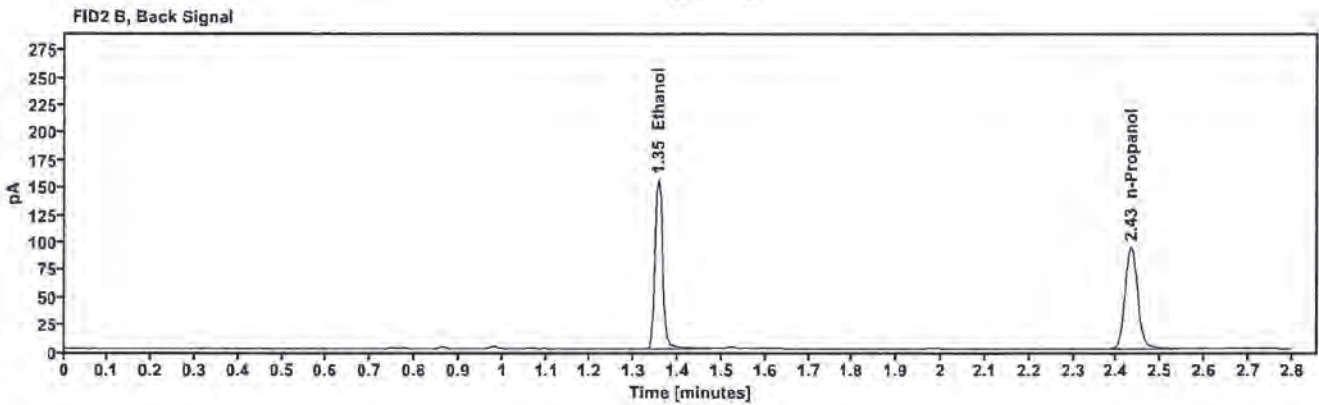
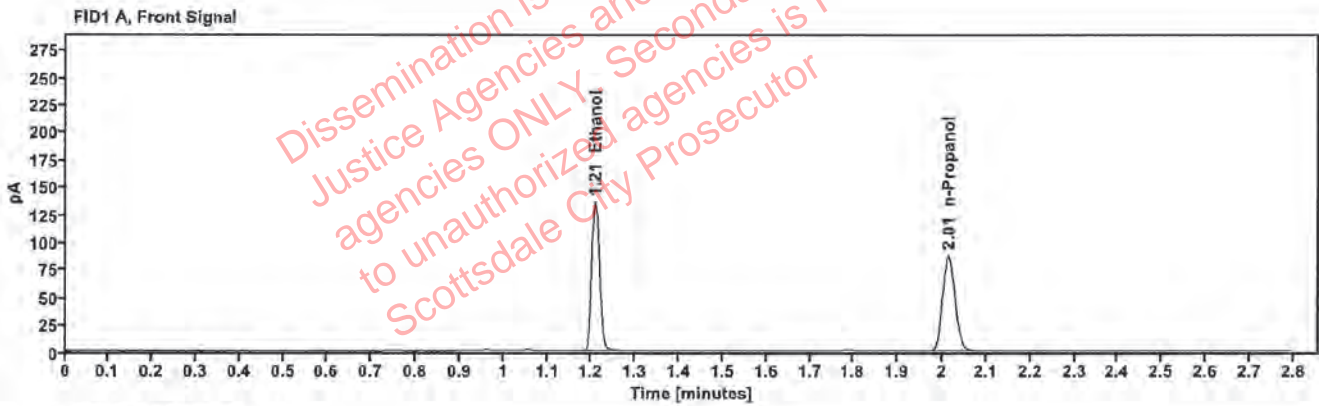


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2756	1.208	171.513
n-Propanol	—	2.014	173.076

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

Compound	Time (min)	Peak Area
Ethanol	1.355	188.250
n-Propanol	2.433	186.415