

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/02/2022 SEQUENCE NAME 02Nov22

**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 1.00000  
 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 100722AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.083 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/8
45	Blank	Not detected	Not detected	SPD lab 101921WB

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid  Run invalid  Erika Canonico Analyst  
 Run valid  Run invalid  [Signature] Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 02Nov22

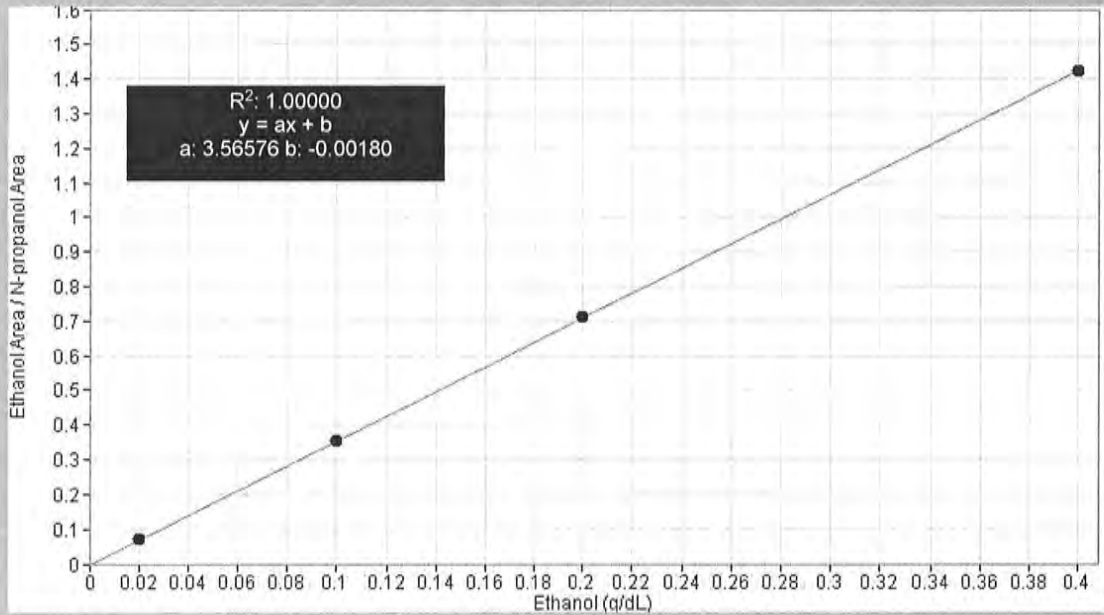
ANALYST: Canonico

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Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 100722AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.403	0.400	0.75	0.003
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/8	9	0.203	0.199	2.01	0.004
0.080 20012020-B	20	0.083	0.080	3.75	0.003
0.080 20012020-B	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	0.041	0.040	2.50	0.001
0.199 4110320133/8	44	0.204	0.199	2.51	0.005
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.868	169.226	0.070
0.100	58.627	165.506	0.354
0.200	118.708	166.955	0.711
0.400	232.669	163.301	1.425

**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> 02Nov22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/2/2022 10:39:21 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ec</span>
<b>Data file:</b> C:\Chem32\1\Data\02Nov22\1.D	

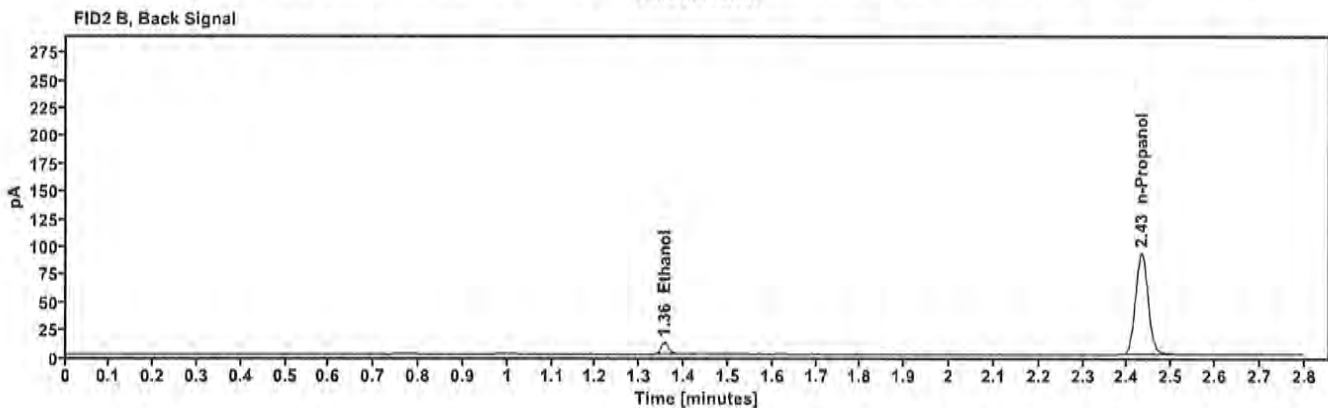
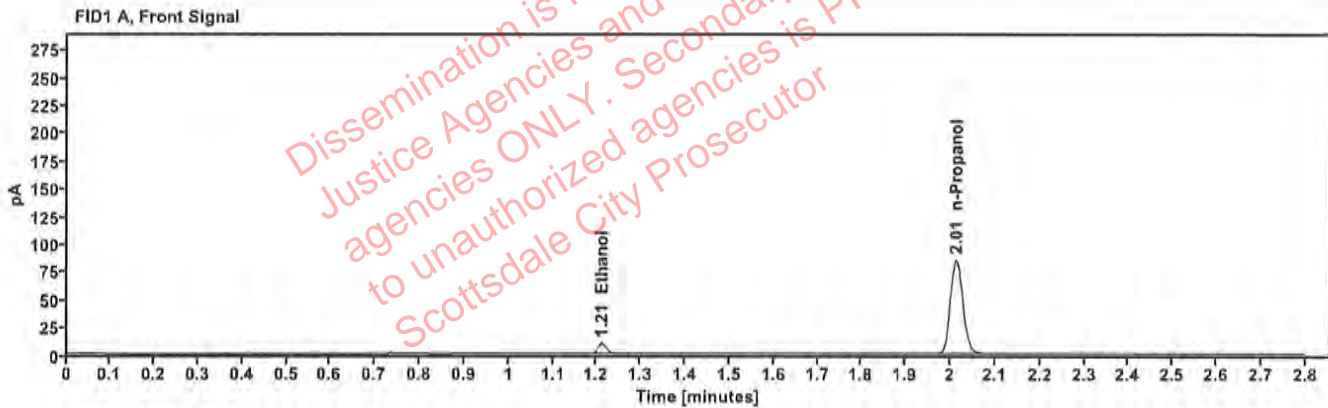


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.868
n-Propanol	2.013	169.226

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

Compound	Time (min)	Peak Area
Ethanol	1.355	12.875
n-Propanol	2.431	183.602



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	02Nov22
Method:	ethanol quant.M	Injection date:	11/2/2022 10:43:21 AM
Instrument:	US14173023 CN14160045	Analyst:	Canonico <span style="float: right;">EC</span>
Data file:	C:\Chem32\1\Data\02Nov22\2.D		

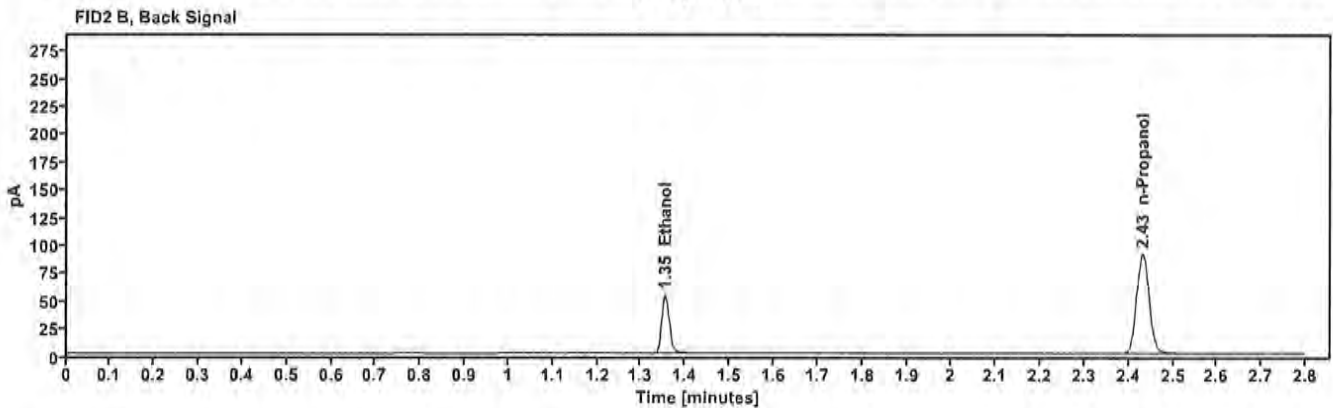
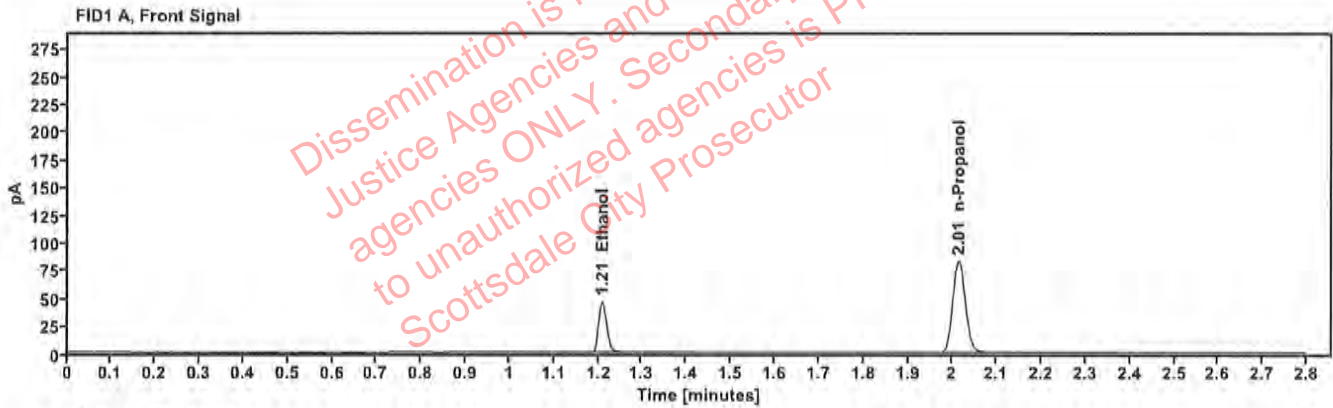


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	58.627
n-Propanol	2.013	165.506

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

Compound	Time (min)	Peak Area
Ethanol	1.354	64.075
n-Propanol	2.432	179.417

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02052101	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 02Nov22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/2/2022 10:47:21 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ec</span>
<b>Data file:</b> C:\Chem32\1\Data\02Nov22\3.D	

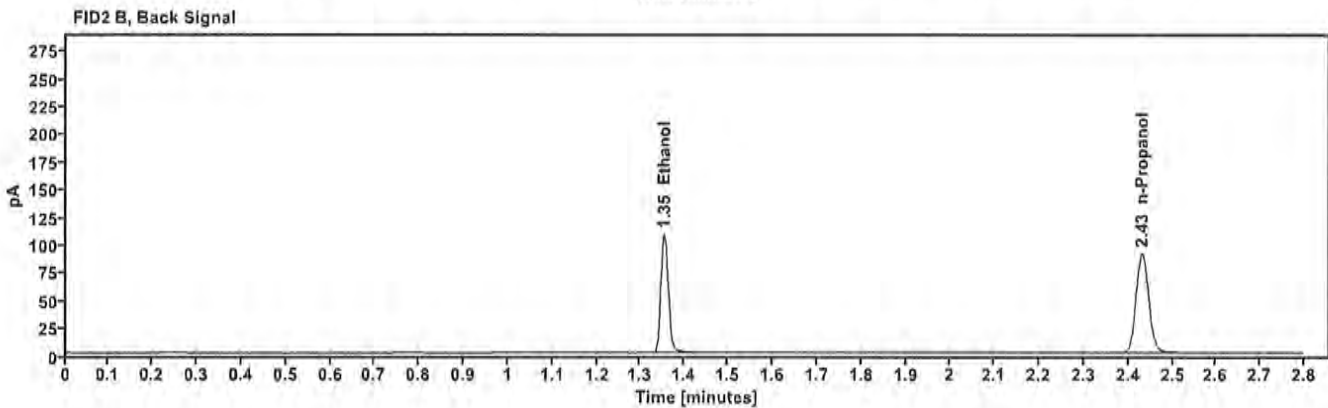
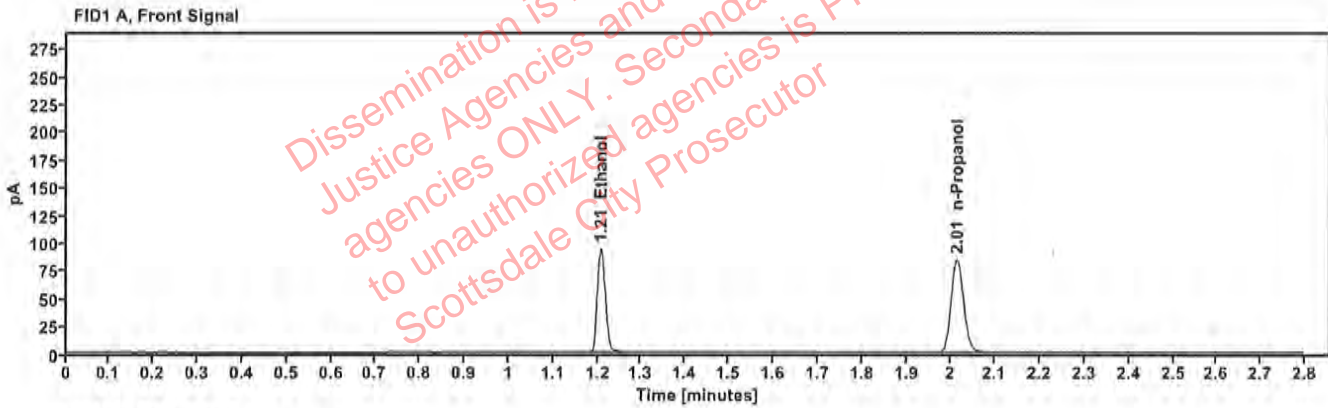


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	118.708
n-Propanol	2.013	166.955

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

Compound	Time (min)	Peak Area
Ethanol	1.353	130.372
n-Propanol	2.431	181.067

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 02Nov22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/2/2022 10:51:22 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ee</span>
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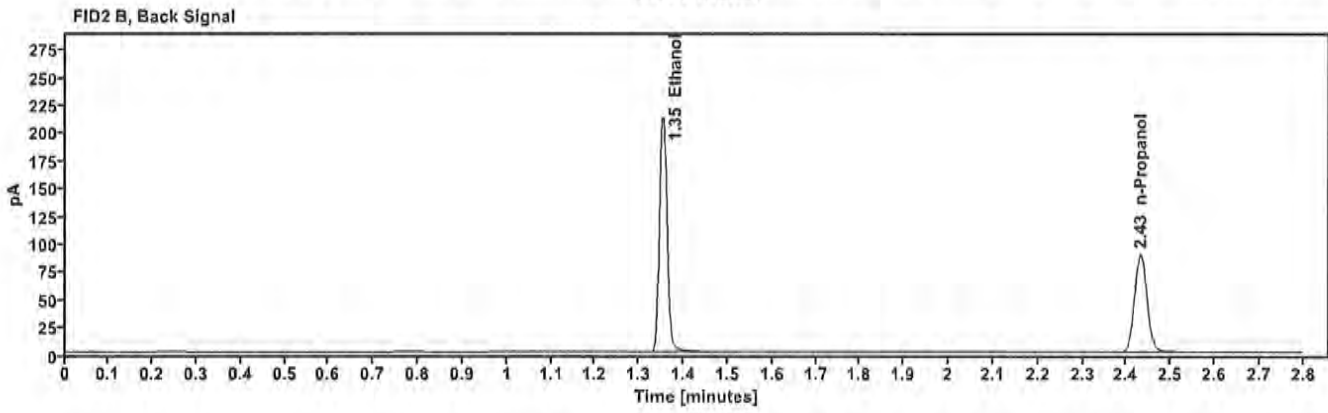
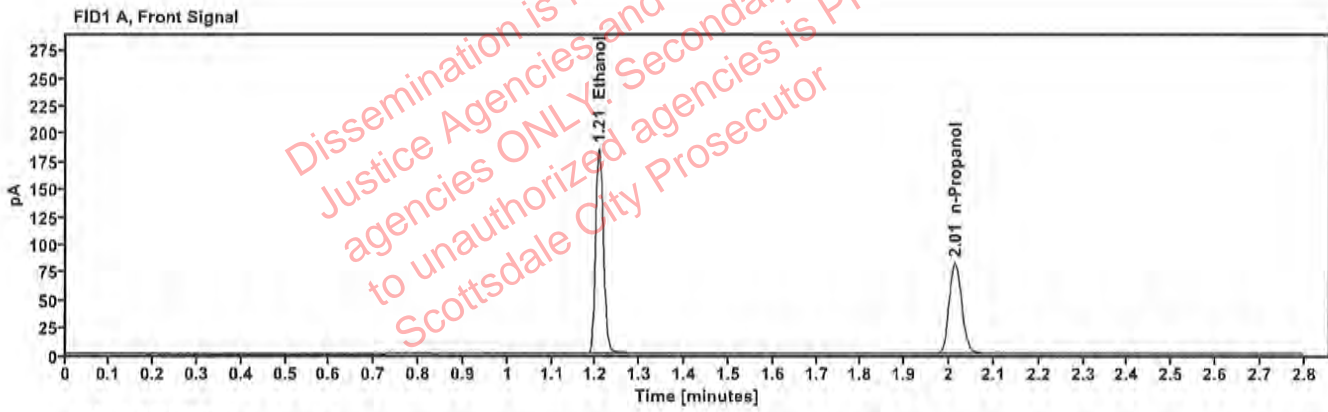


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	232.669
n-Propanol	2.013	163.301

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

Compound	Time (min)	Peak Area
Ethanol	1.353	256.281
n-Propanol	2.431	177.111

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 100722AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 02Nov22
Instrument: US14173023 CN14160045	Injection date: 11/2/2022 10:55:21 AM
Data file: C:\Chem32\1\Data\02Nov22\5.D	Analyst: Canonico <i>EC</i>

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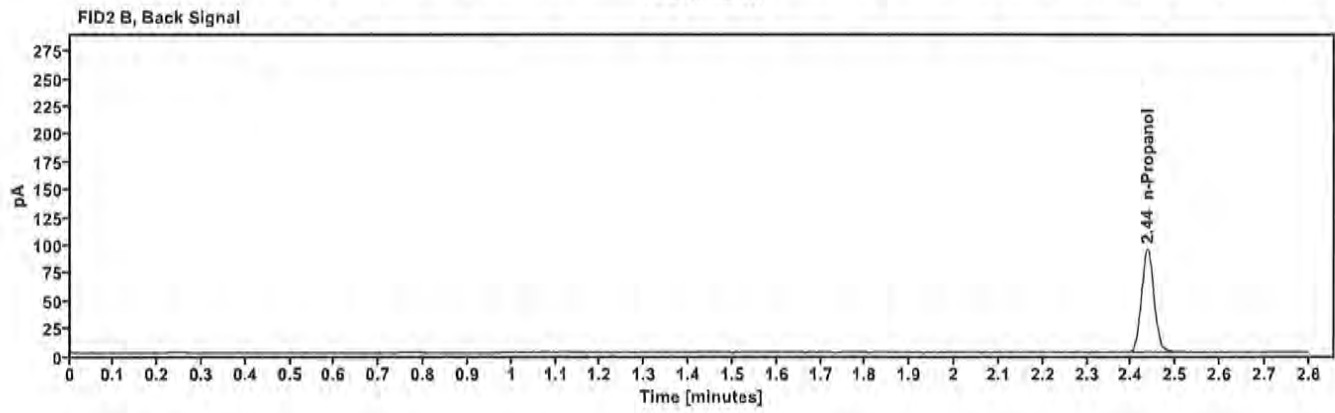
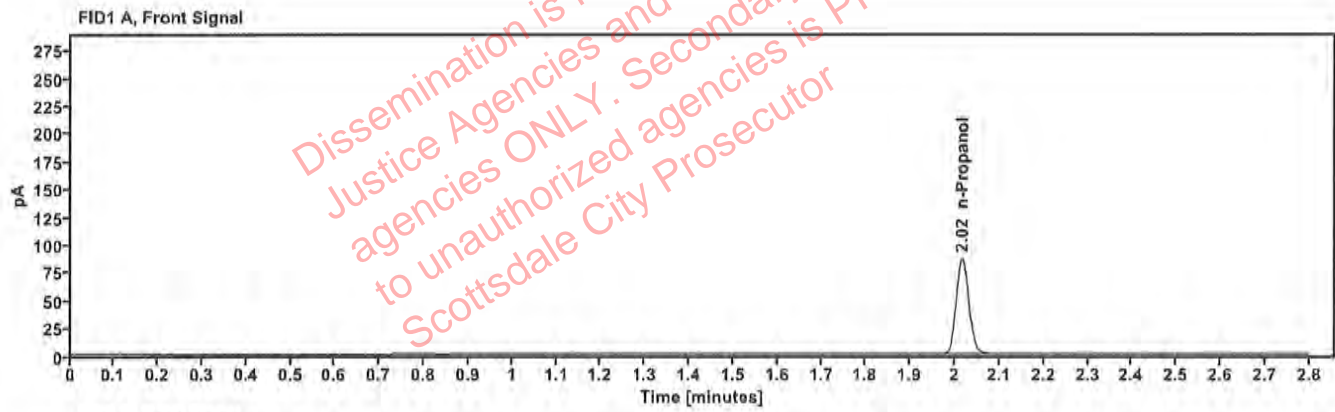


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	172.254

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	186.539



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 02Nov22
Instrument: US14173023 CN14160045	Injection date: 11/2/2022 10:59:21 AM
Data file: C:\Chem32\1\Data\02Nov22\6.D	Analyst: Canonico <i>EC</i>

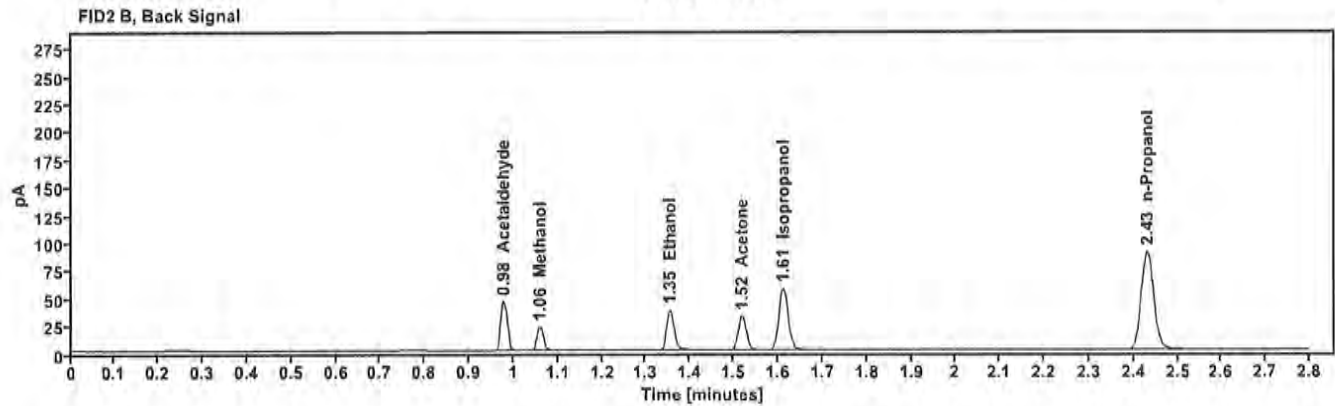
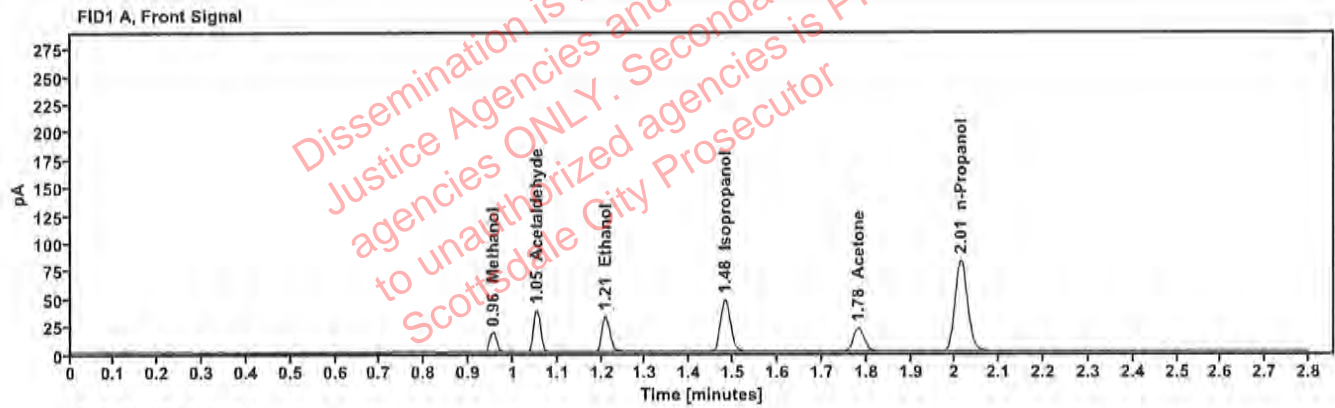


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.955	20.489
Acetaldehyde	-----	1.053	41.970
>Ethanol	0.0702	1.209	40.949
Isopropanol	-----	1.481	75.489
Acetone	-----	1.782	37.000
n-Propanol	-----	2.013	164.672

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	47.009
Methanol	1.059	22.553
Ethanol	1.354	44.644
Acetone	1.519	40.788
Isopropanol	1.612	83.660
n-Propanol	2.431	178.478



# 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> 02Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/2/2022 11:03:37 AM
<b>Data file:</b> C:\Chem32\1\Data\02Nov22\7.D	<b>Analyst:</b> Canonico <i>SC</i>

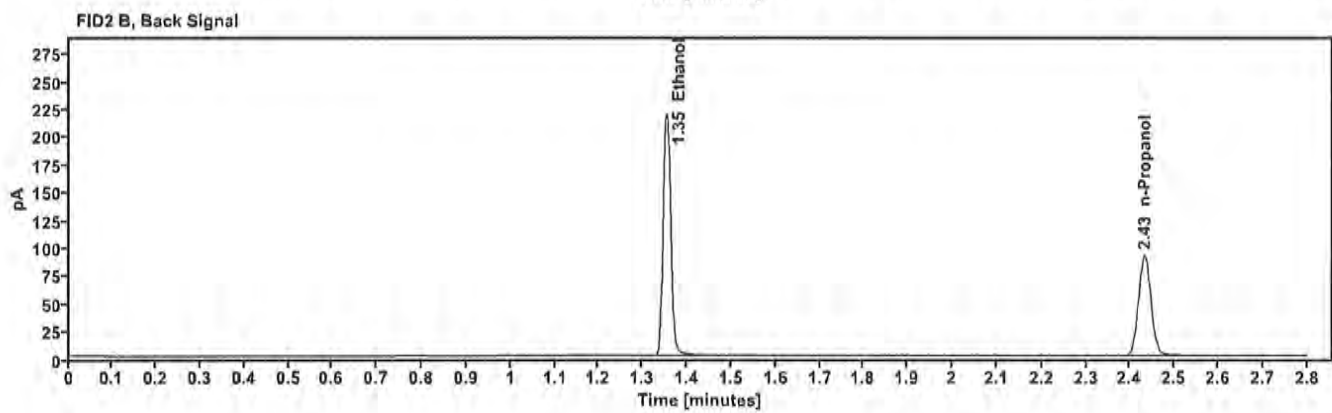
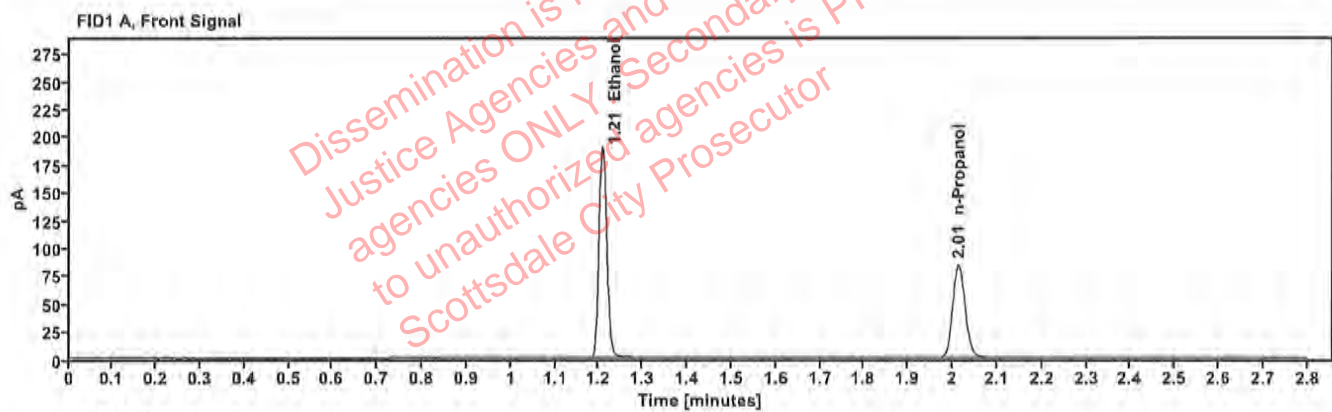


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4032	1.207	240.139
n-Propanol	---	2.013	167.240

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

Compound	Time (min)	Peak Area
Ethanol	1.353	264.561
n-Propanol	2.432	181.196

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 02Nov22
Instrument: US14173023 CN14160045	Injection date: 11/2/2022 11:07:37 AM
Data file: C:\Chem32\1\Data\02Nov22\8.D	Analyst: Canonico <i>fc</i>

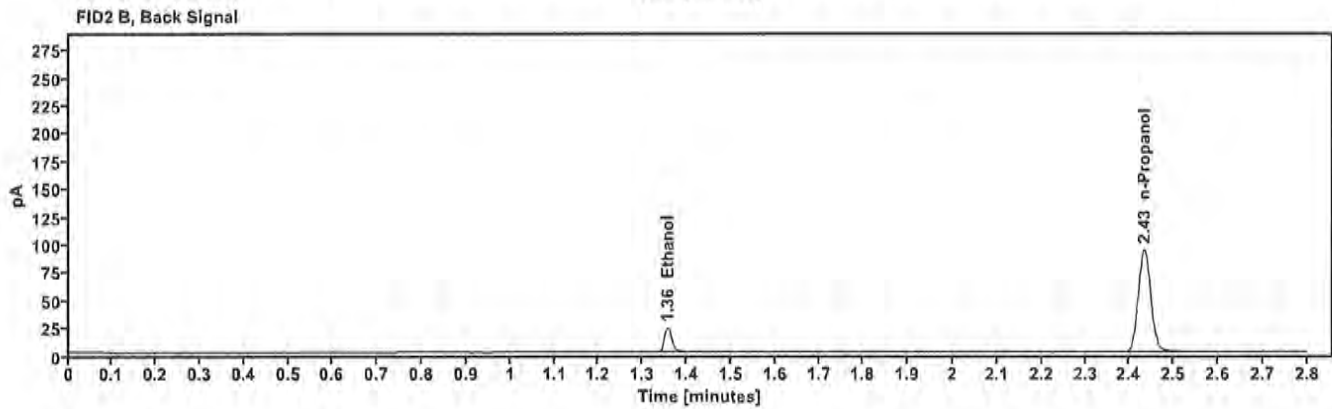
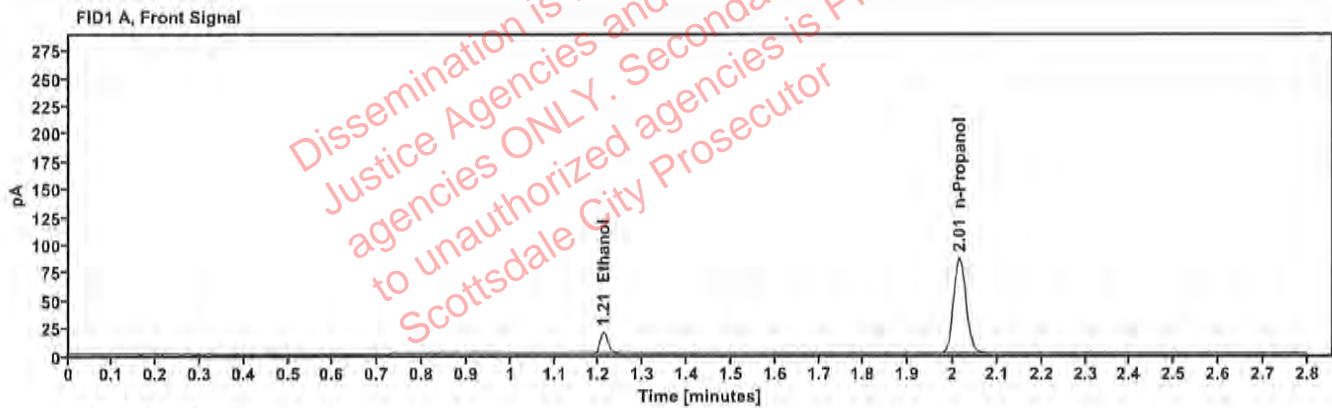


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.210	24.854
n-Propanol	—	2.014	171.125

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

Compound	Time (min)	Peak Area
Ethanol	1.356	27.015
n-Propanol	2.433	185.722

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/8	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 02Nov22
Instrument: US14173023 CN14160045	Injection date: 11/2/2022 11:11:37 AM
Data file: C:\Chem32\1\Data\02Nov22\9.D	Analyst: Canonico <i>ec</i>

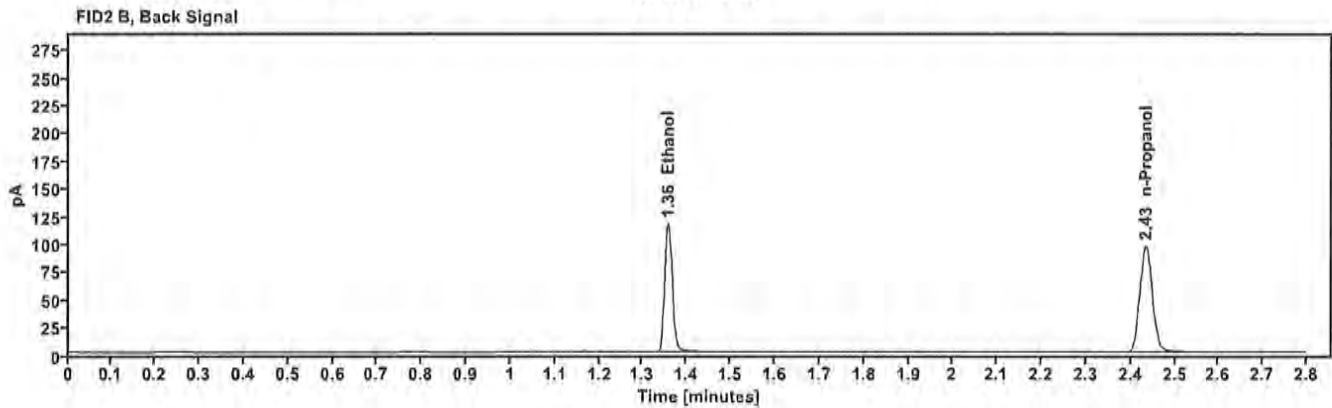
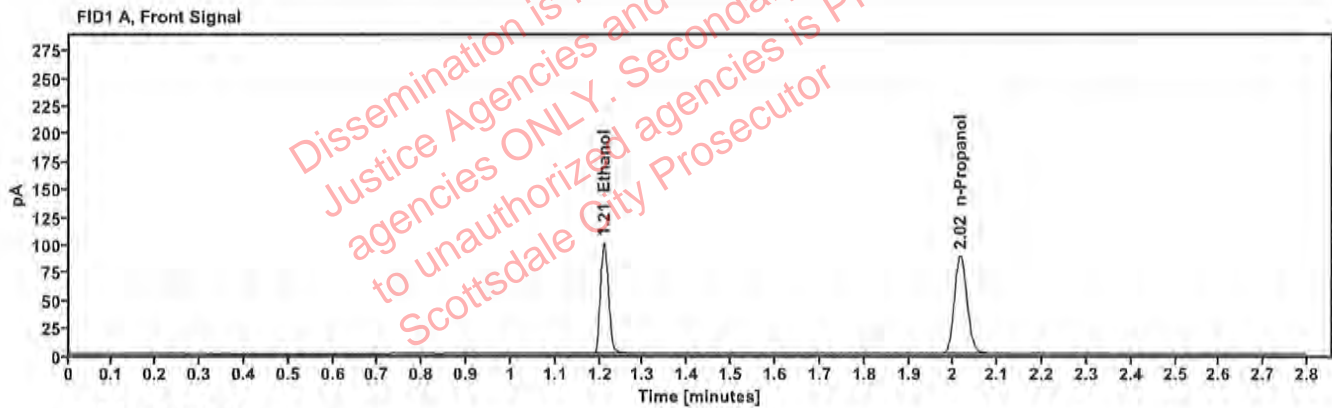


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2038	1.210	128.411
n-Propanol	-----	2.015	177.099

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

Compound	Time (min)	Peak Area
Ethanol	1.357	141.204
n-Propanol	2.435	191.955

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:56:07 AM
Data file:	C:\Chem32\1\Data\02Nov22\20.D	Analyst:	Canonico <i>EC</i>

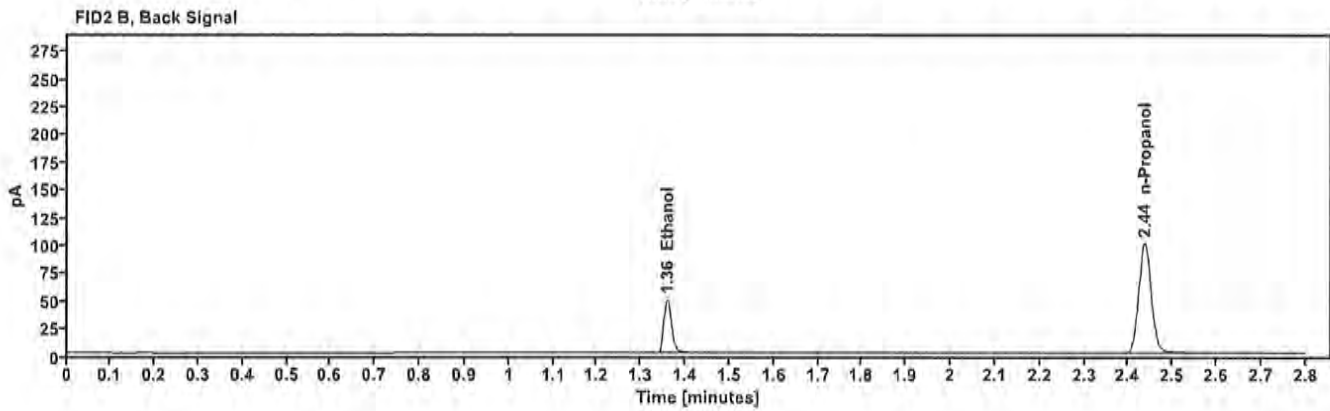
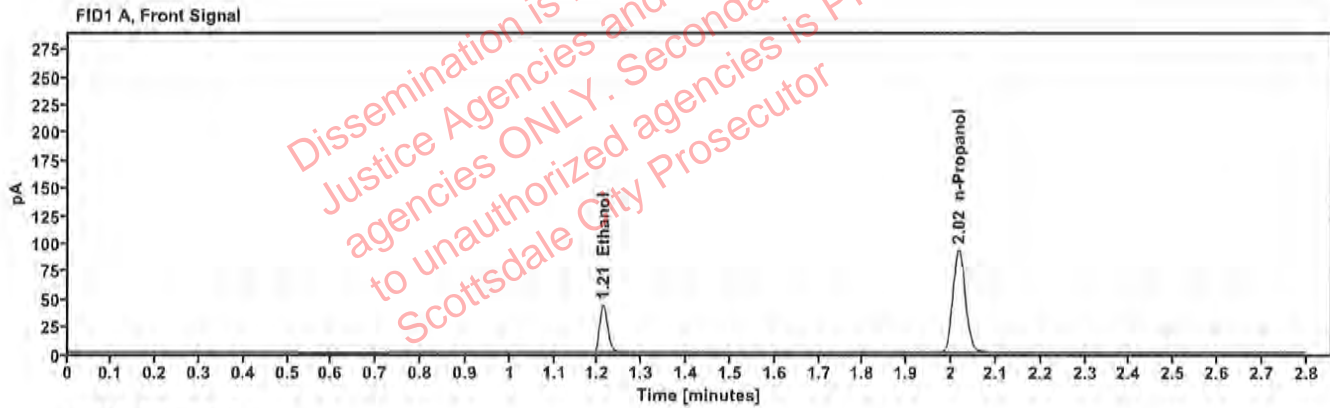


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0831	1.211	54.357
n-Propanol	-----	2.016	184.517

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

Compound	Time (min)	Peak Area
Ethanol	1.359	59.442
n-Propanol	2.436	199.845



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 02Nov22
Instrument: US14173023 CN14160045	Injection date: 11/2/2022 12:40:37 PM
Data file: C:\Chem32\1\Data\02Nov22\31.D	Analyst: Canonico <i>ec</i>

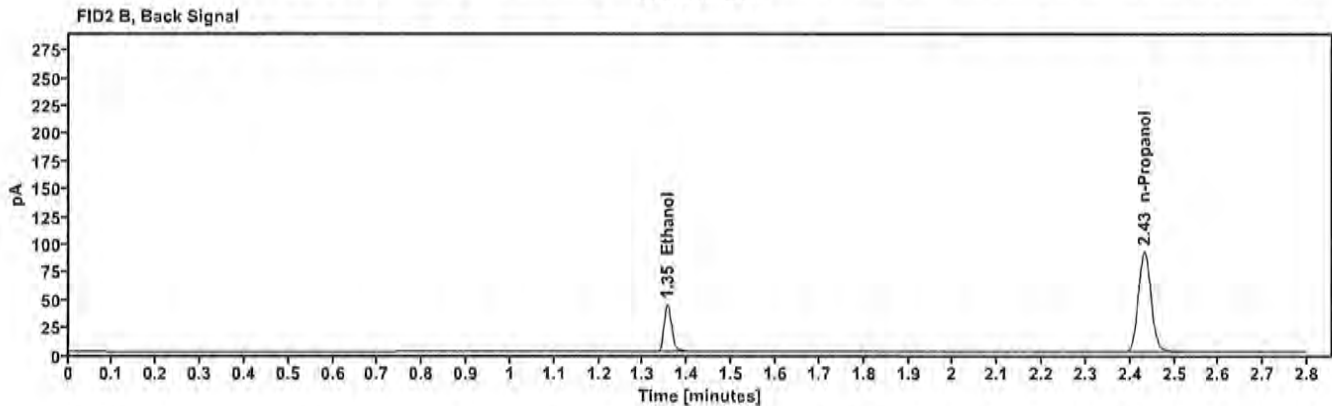
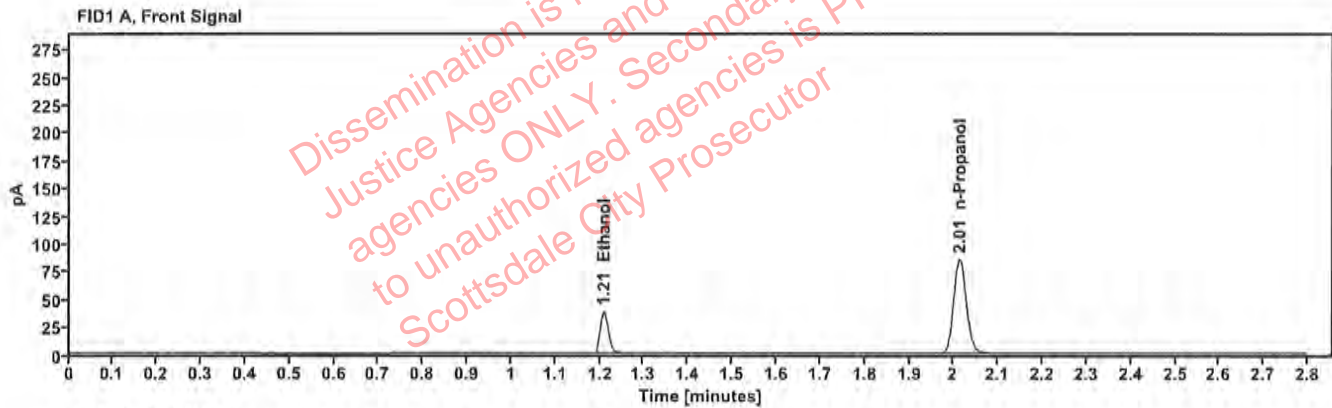


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0801	1.209	48.089
n-Propanol	-----	2.013	169.416

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

Compound	Time (min)	Peak Area
Ethanol	1.354	52.428
n-Propanol	2.432	183.496

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 42
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 02Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/2/2022 1:24:53 PM
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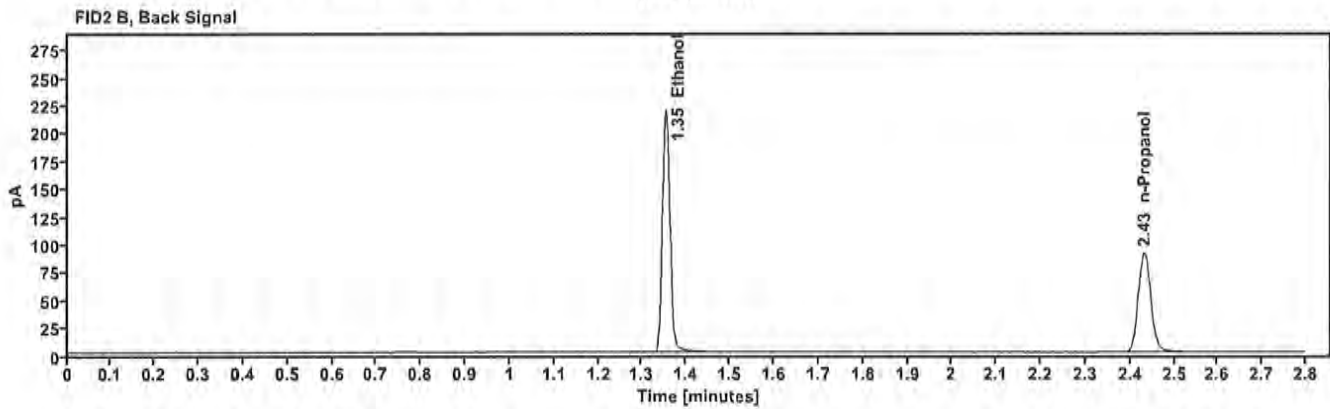
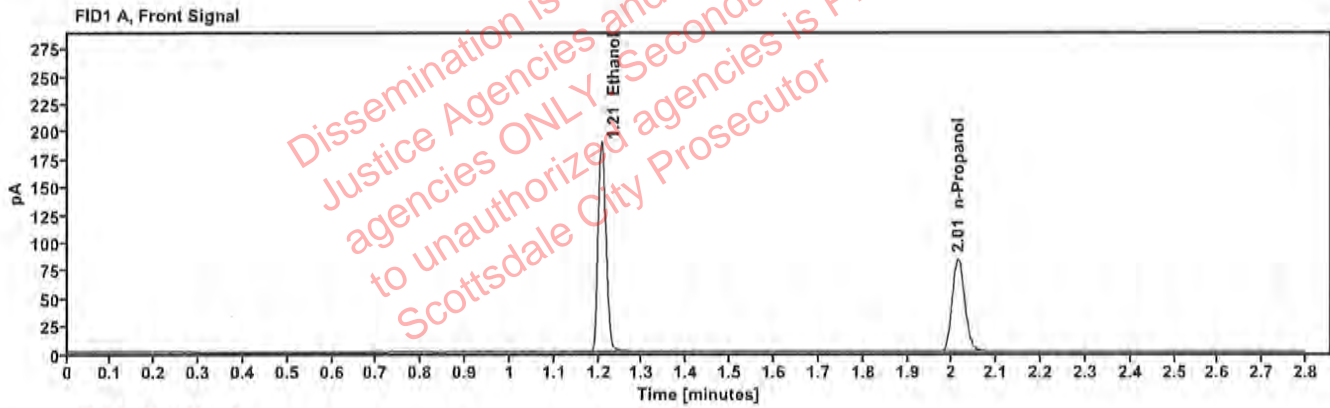


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4025	1.207	240.134
n-Propanol	---	2.014	167.522

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

Compound	Time (min)	Peak Area
Ethanol	1.353	264.736
n-Propanol	2.432	181.843

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 1:29:07 PM
Data file:	C:\Chem32\1\Data\02Nov22\43.D	Analyst:	Canonico <i>FC</i>

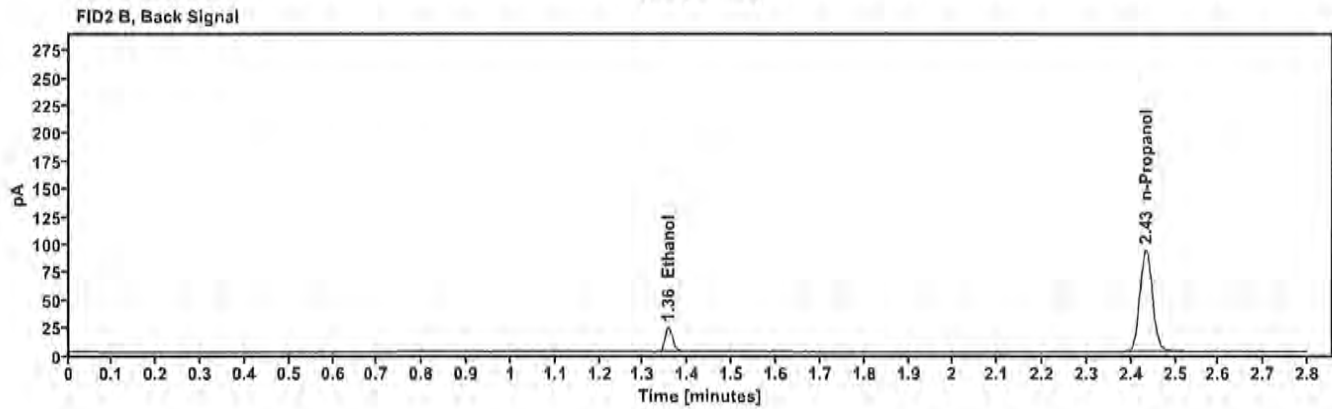
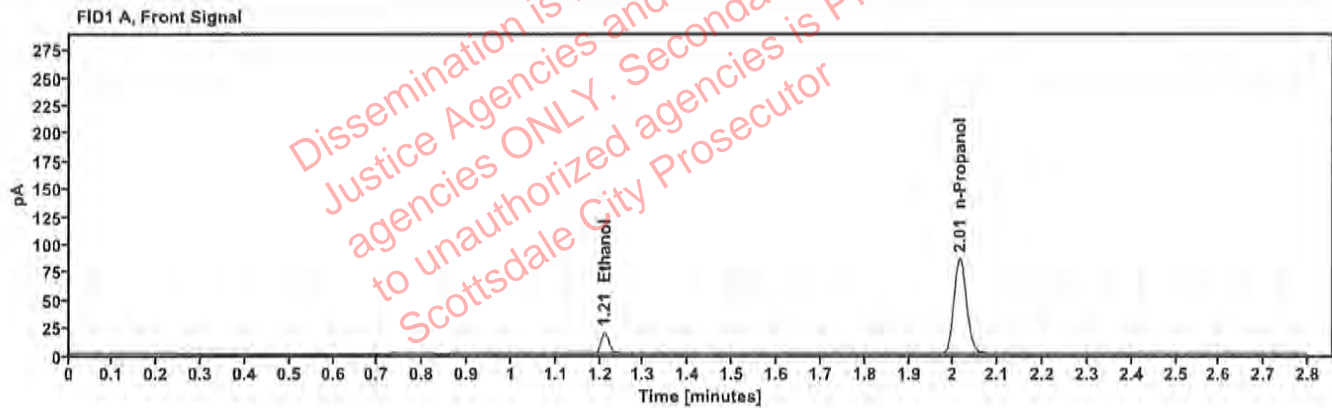


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.210	24.754
n-Propanol	---	2.014	170.676

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

Compound	Time (min)	Peak Area
Ethanol	1.356	26.888
n-Propanol	2.433	184.893

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/8	<b>Vial:</b> 44
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 02Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/2/2022 1:33:06 PM
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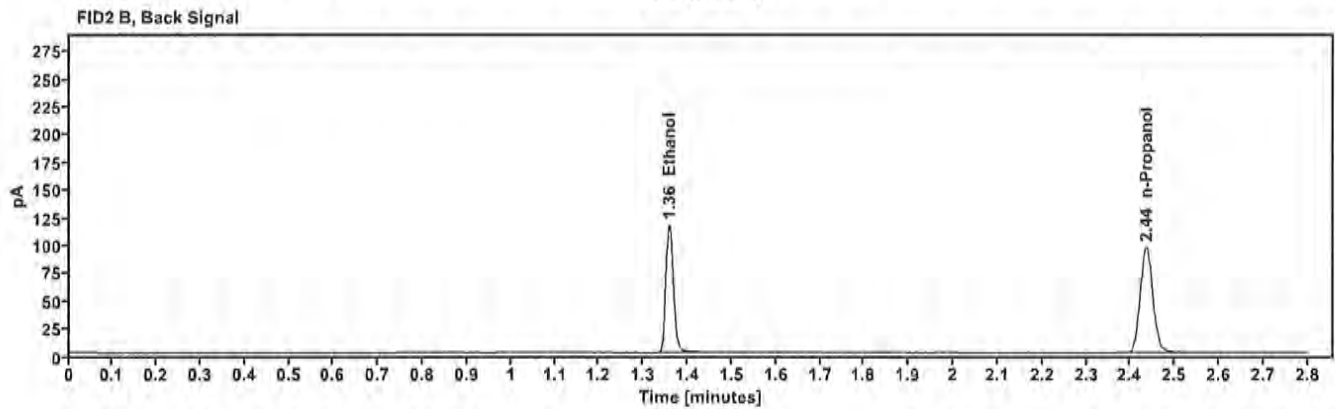
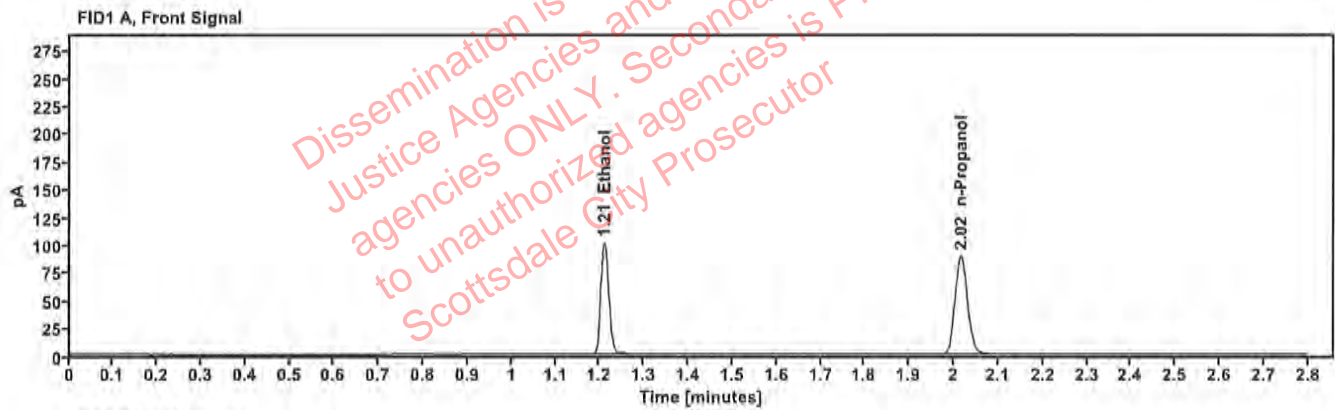


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2044	1.210	128.749
n-Propanol	---	2.016	177.048

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

Compound	Time (min)	Peak Area
Ethanol	1.357	141.566
n-Propanol	2.435	191.949



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 101921WB	<b>Vial:</b> 45
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 02Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/2/2022 1:37:07 PM
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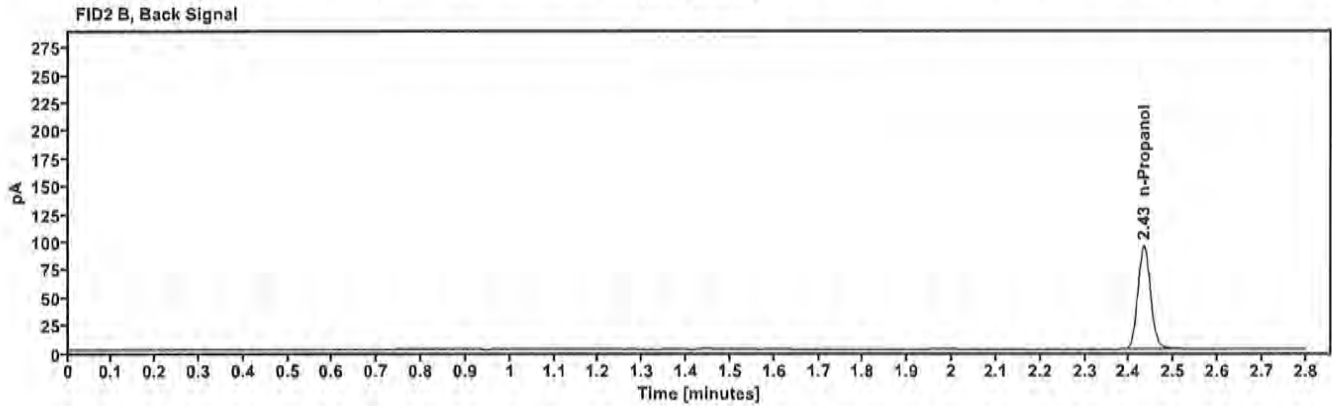
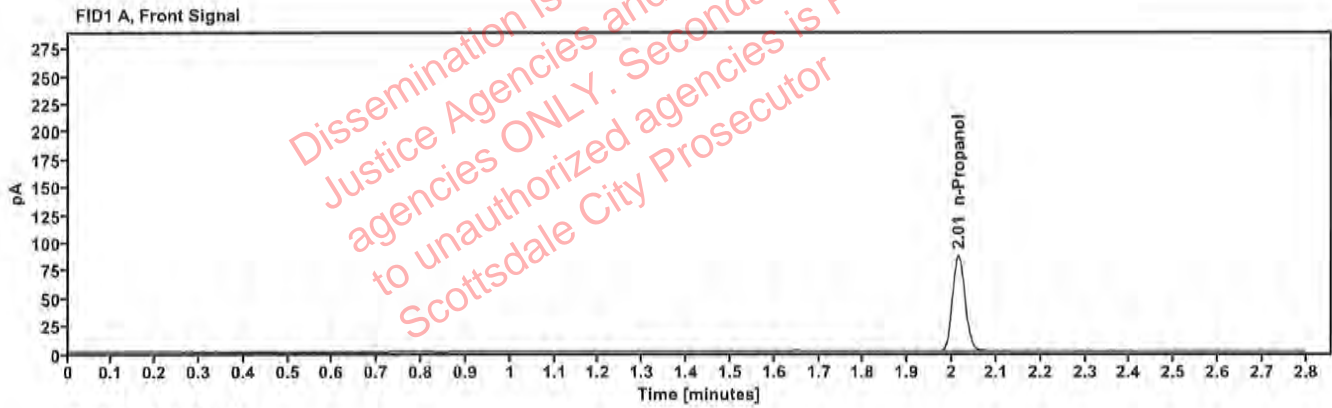


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.014	172.788

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

Compound	Time (min)	Peak Area
n-Propanol	2.433	187.768

# Sequence Summary

Sequence name: 02Nov22      Instrument: US14173023 CN14160045      Analyst: Canonico *ec*

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	100722AQ	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	838985		Sample		ethanol quant.M
11	838985		Sample		ethanol quant.M
12	39001DR		Sample		ethanol quant.M
13	39001DR		Sample		ethanol quant.M
14	40501JP		Sample		ethanol quant.M
15	40501JP		Sample		ethanol quant.M
16	39001JG		Sample		ethanol quant.M
17	39001JG		Sample		ethanol quant.M
18	41701DK		Sample		ethanol quant.M
19	41701DK		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	39003JY		Sample		ethanol quant.M
22	39003JY		Sample		ethanol quant.M
23	1442152		Sample		ethanol quant.M
24	1442152		Sample		ethanol quant.M
25	1441976		Sample		ethanol quant.M
26	1441976		Sample		ethanol quant.M
27	1407114		Sample		ethanol quant.M
28	1407114		Sample		ethanol quant.M
29	1442457		Sample		ethanol quant.M
30	1442457		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1442517		Sample		ethanol quant.M
33	1442517		Sample		ethanol quant.M
34	1442153		Sample		ethanol quant.M
35	1442153		Sample		ethanol quant.M
36	1442098		Sample		ethanol quant.M
37	1442098		Sample		ethanol quant.M
38	1442095		Sample		ethanol quant.M
39	1442095		Sample		ethanol quant.M
40	1442093		Sample		ethanol quant.M
41	1442093		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/8	0.199	Control		ethanol quant.M
45	101921WB	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 02Nov22

ANALYST: Canonico *cc*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1573	0.1572	0.15725	0.03	0.00005
12 13	0.3099	0.3103	0.31010	0.06	0.00020
14 15	0.2427	0.2430	0.24285	0.06	0.00015
16 17	0.0154	0.0154	0.01540	0.00	0.00000
18 19	0.1353	0.1351	0.13520	0.07	0.00010
21 22	0.0000	0.0000	0.00000	0.00	0.00000
23 24	0.1376	0.1392	0.13840	0.58	0.00080
25 26	0.1164	0.1142	0.11530	0.95	0.00110
27 28	0.1100	0.1077	0.10885	1.06	0.00115
29 30	0.1763	0.1752	0.17575	0.31	0.00055
32 33	0.2463	0.2495	0.24790	0.65	0.00160
34 35	0.0000	0.0000	0.00000	0.00	0.00000
36 37	0.1752	0.1733	0.17425	0.55	0.00095
38 39	0.0868	0.0859	0.08635	0.52	0.00045
40 41	0.3151	0.3113	0.31320	0.61	0.00190

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







### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	838985	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:15:37 AM
Data file:	C:\Chem32\1\Data\02Nov22\10.D	Analyst:	Canonico

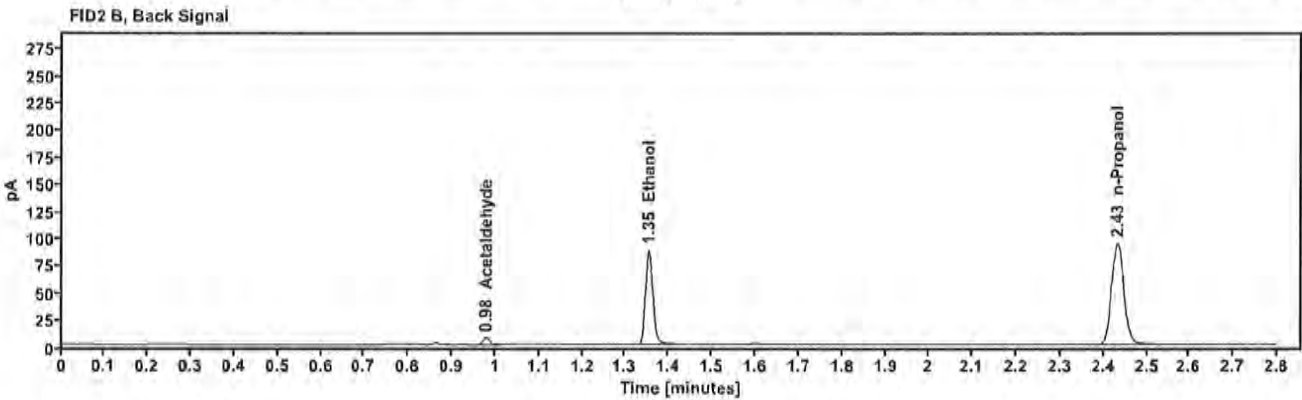
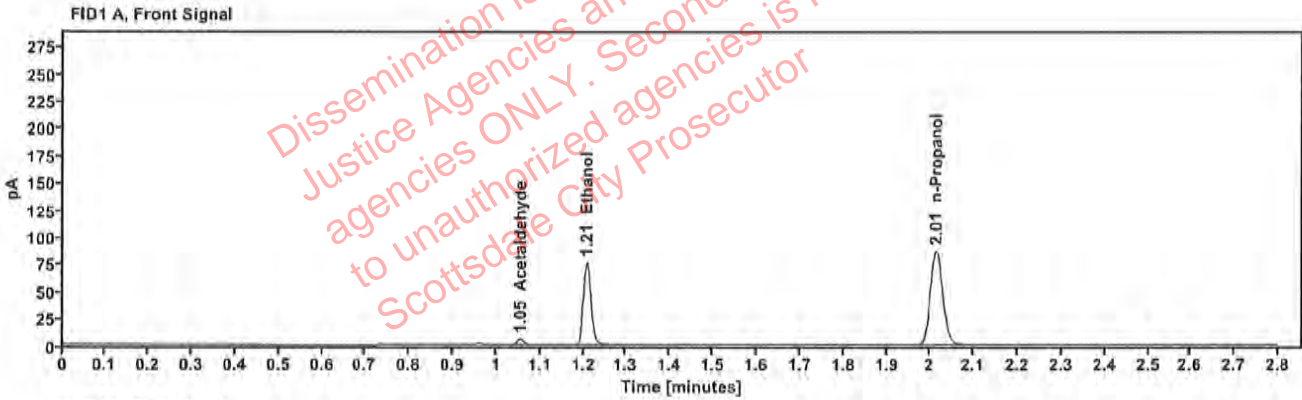


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	—	1.054	5.531
>Ethanol	0.1573	1.208	96.256
n-Propanol	—	2.014	172.132

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	6.269
Ethanol	1.354	105.380
n-Propanol	2.432	187.703

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	838985	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:19:37 AM
Data file:	C:\Chem32\1\Data\02Nov22\11.D	Analyst:	Canonico

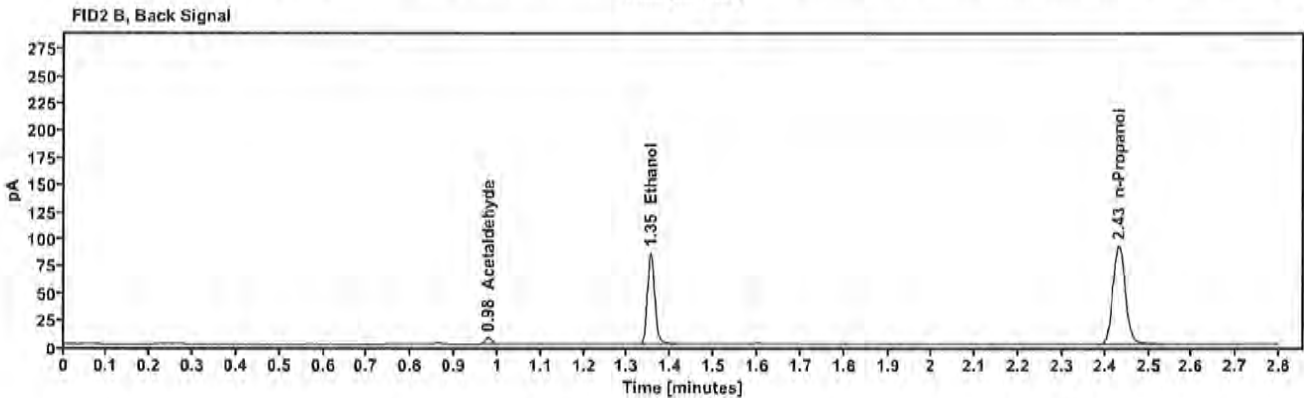
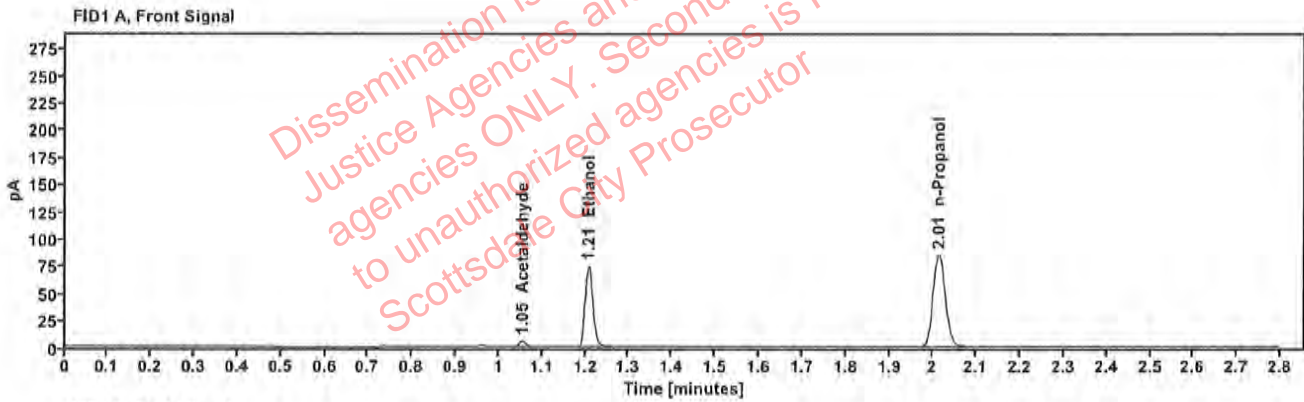


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	—	1.054	5.449
>Ethanol	0.1572	1.208	94.070
n-Propanol	—	2.013	168.355

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	6.139
Ethanol	1.353	103.063
n-Propanol	2.432	183.301

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001DR	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:23:36 AM
Data file:	C:\Chem32\1\Data\02Nov22\12.D	Analyst:	Canonico

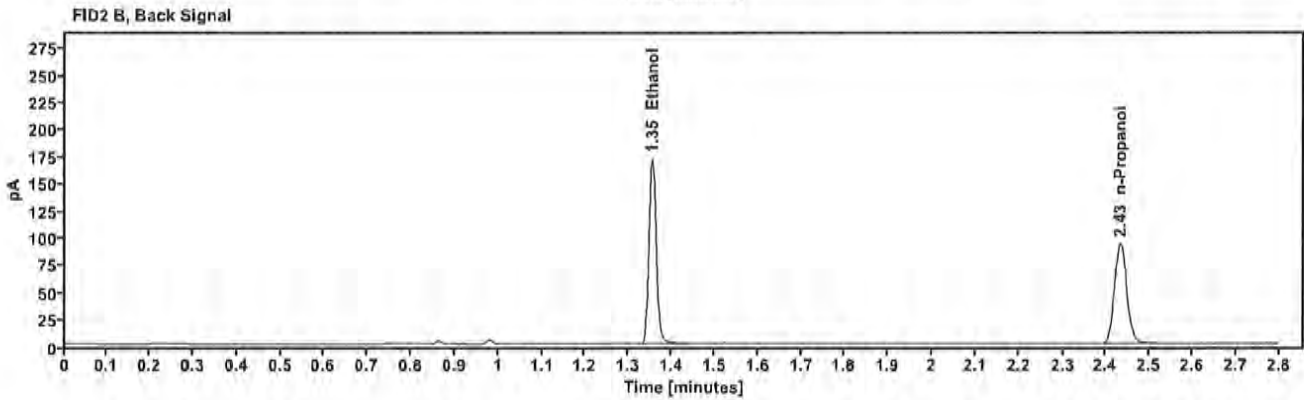
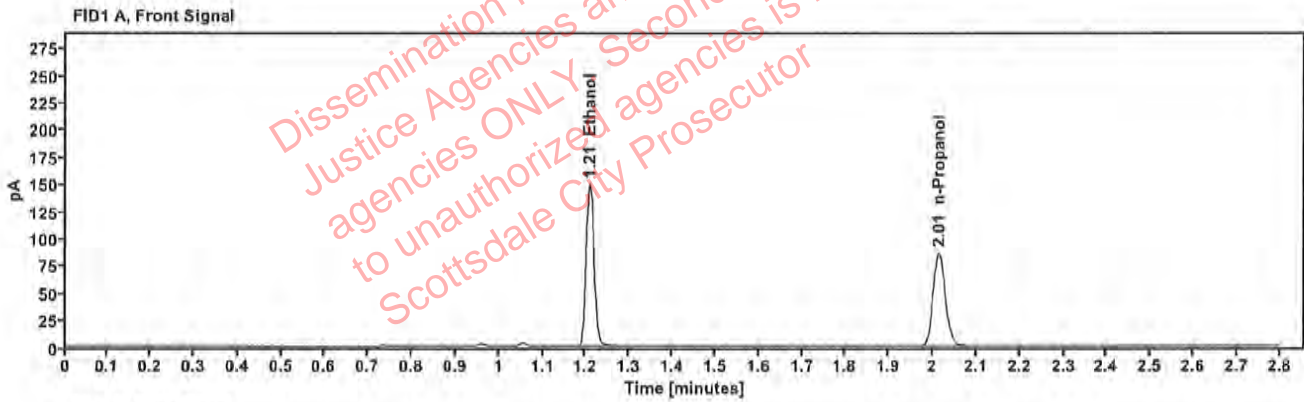


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3099	1.208	187.987
n-Propanol	—	2.014	170.373

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

Compound	Time (min)	Peak Area
Ethanol	1.354	206.705
n-Propanol	2.433	184.688

Case: [REDACTED]: Canonico, Erika - (02-Nov-2022)

User: ecanonico 11/2/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001DR	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:27:51 AM
Data file:	C:\Chem32\1\Data\02Nov22\13.D	Analyst:	Canonico

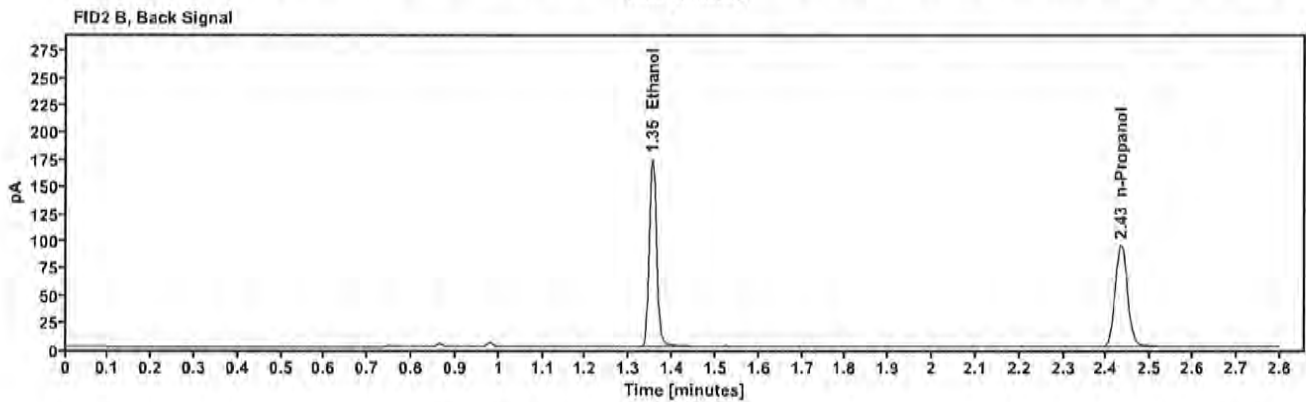
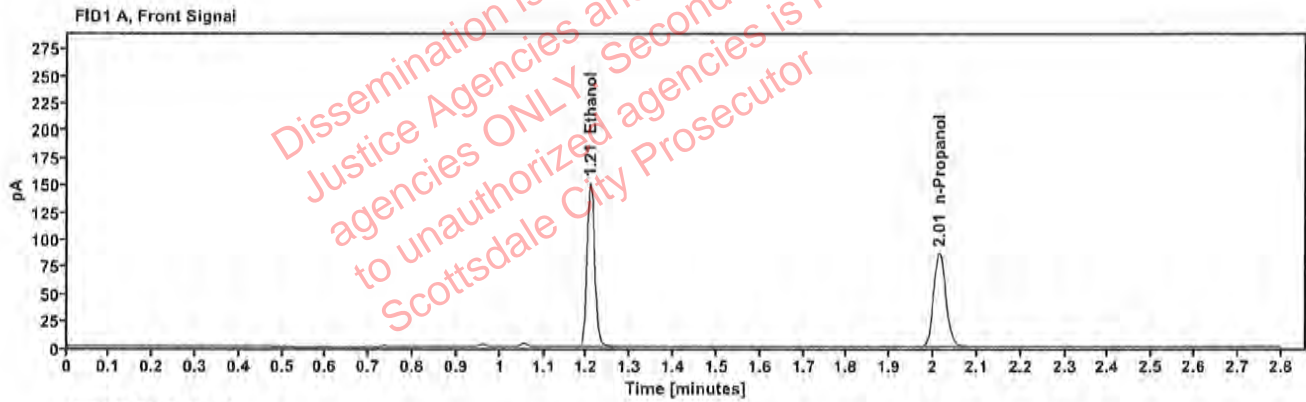


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3103	1.208	190.820
n-Propanol	—	2.014	172.753

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

Compound	Time (min)	Peak Area
Ethanol	1.354	209.718
n-Propanol	2.433	187.229



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501JP	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:31:51 AM
Data file:	C:\Chem32\1\Data\02Nov22\14.D	Analyst:	Canonico

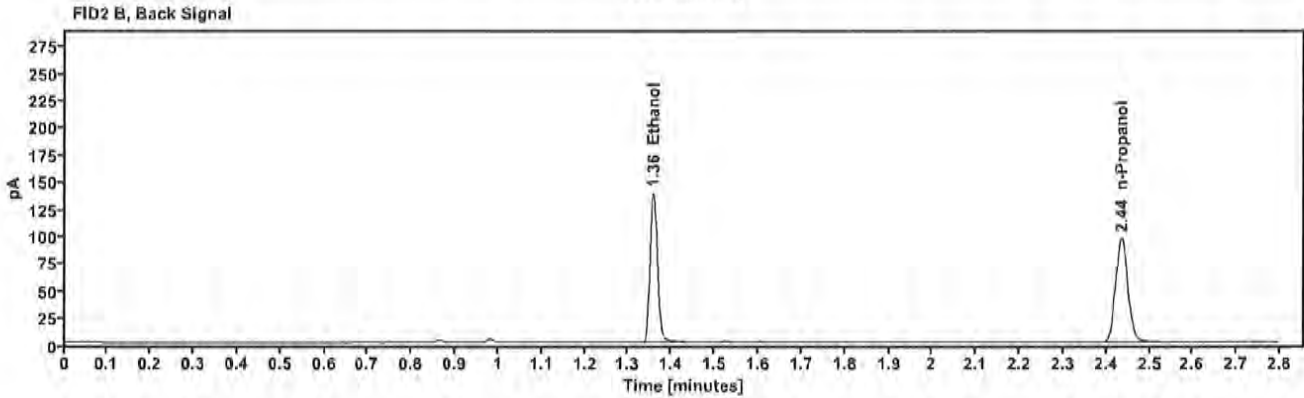
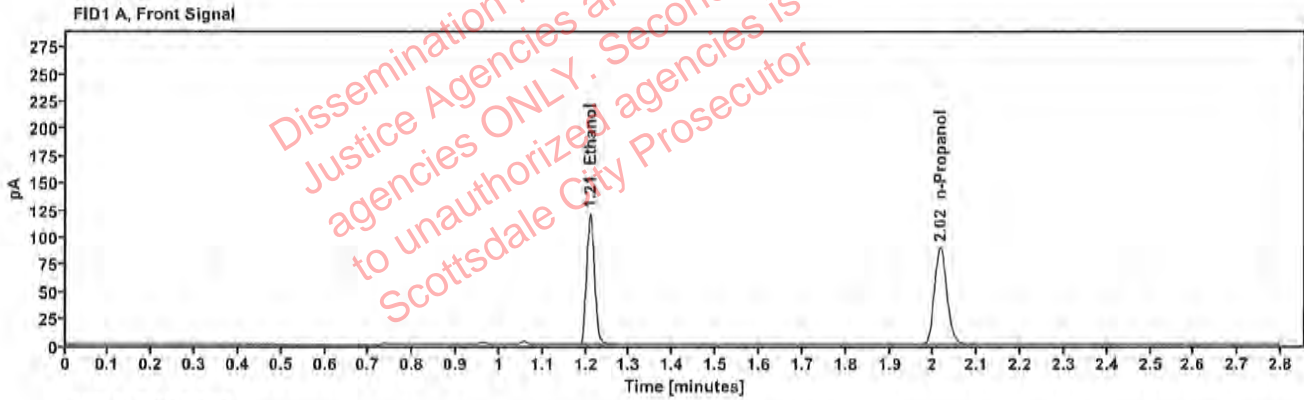


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2427	1.210	153.251
n-Propanol	—	2.016	177.467

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

Compound	Time (min)	Peak Area
Ethanol	1.357	169.687
n-Propanol	2.435	191.796

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501JP	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:35:51 AM
Data file:	C:\Chem32\1\Data\02Nov22\15.D	Analyst:	Canonico

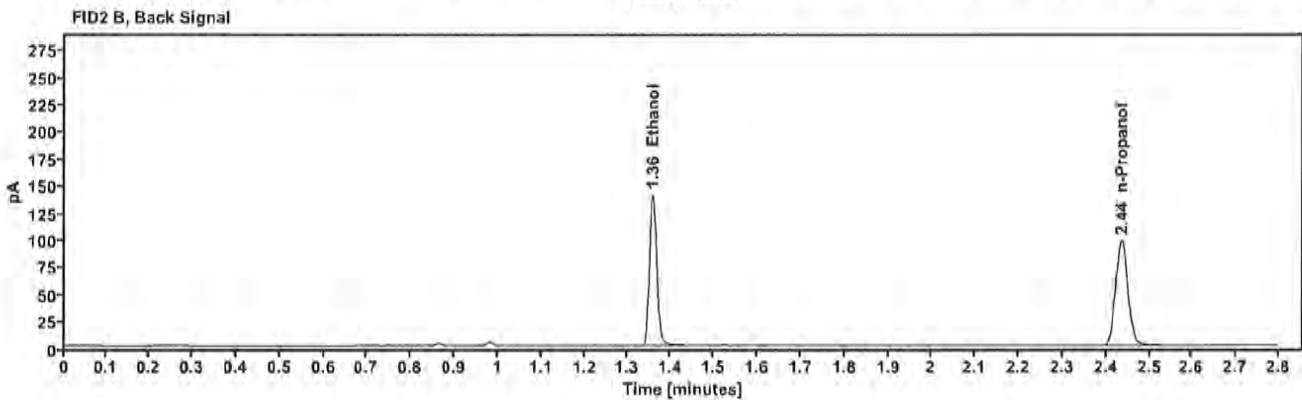
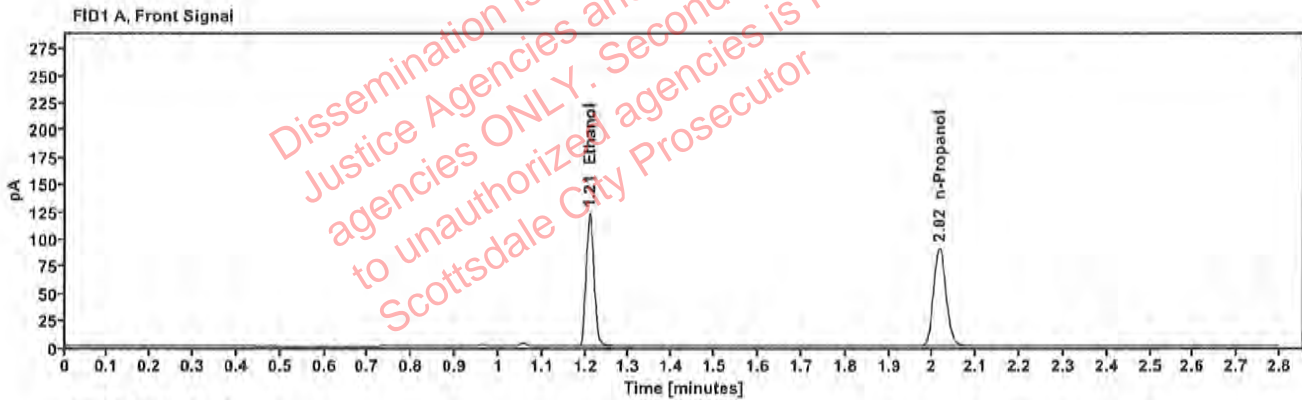


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2430	1.210	155.469
n-Propanol	—	2.016	179.772

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

Compound	Time (min)	Peak Area
Ethanol	1.357	172.064
n-Propanol	2.435	194.447

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001JG	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:39:52 AM
Data file:	C:\Chem32\1\Data\02Nov22\16.D	Analyst:	Canonico

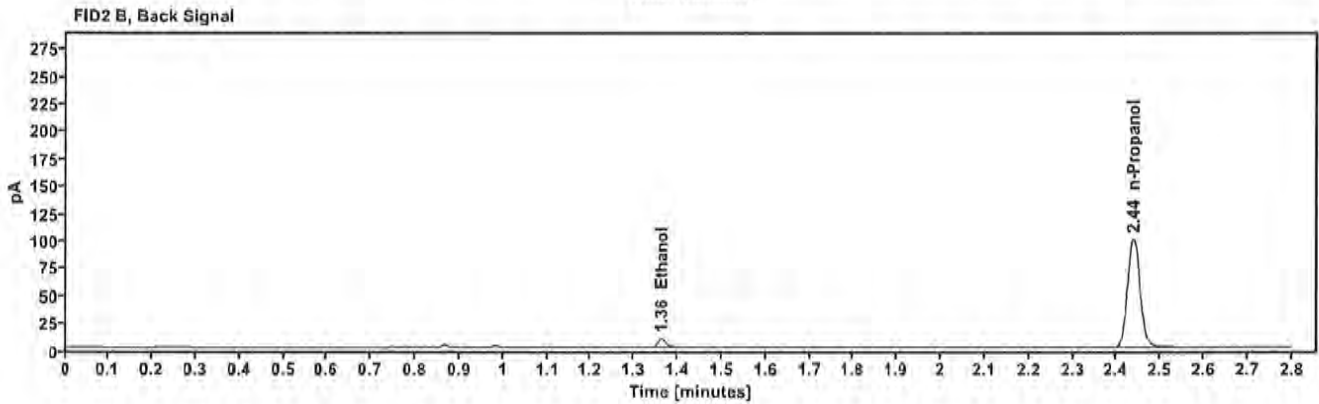
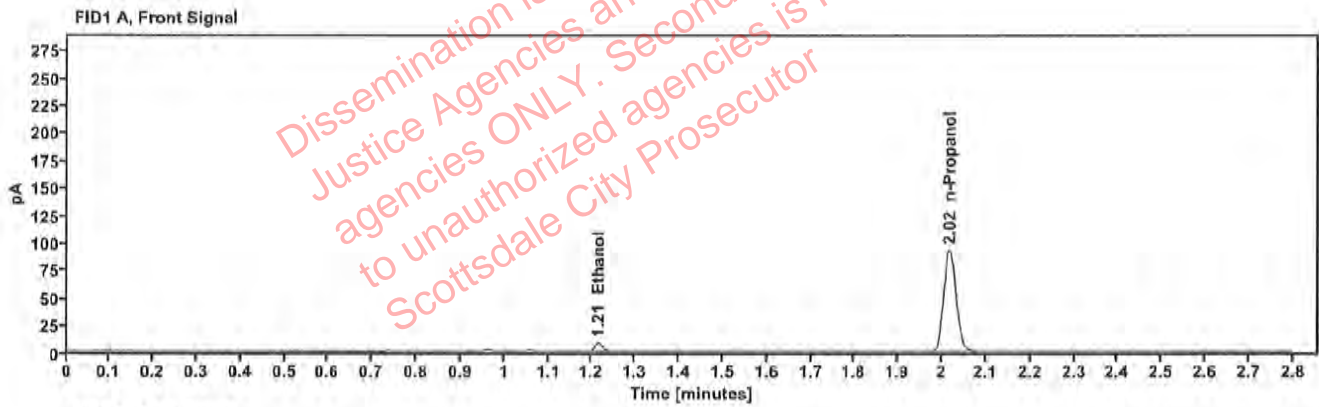


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0154	1.215	9.756
n-Propanol	—	2.017	183.634

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

Compound	Time (min)	Peak Area
Ethanol	1.363	10.836
n-Propanol	2.438	199.192

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001JG	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:43:51 AM
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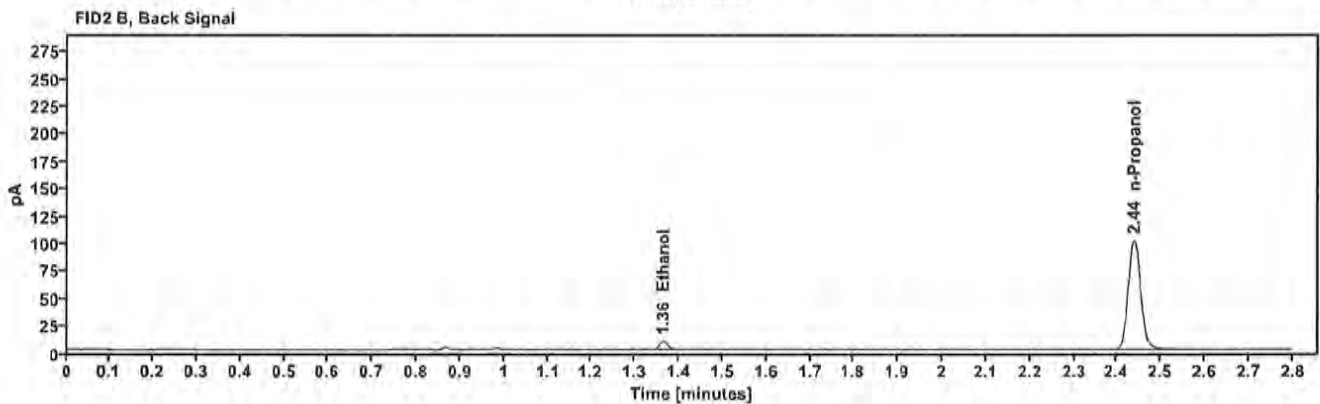
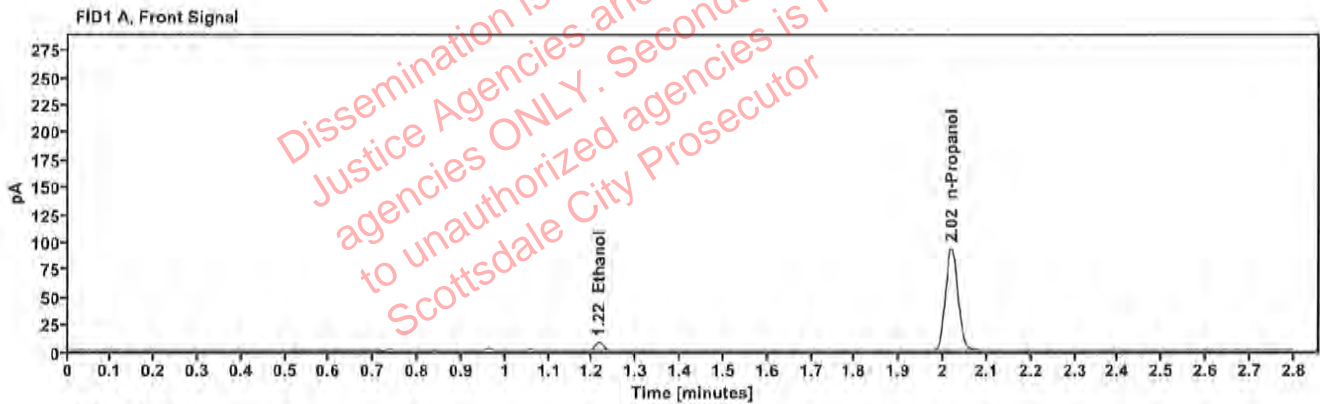


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0154	1.215	9.850
n-Propanol	---	2.018	185.878

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

Compound	Time (min)	Peak Area
Ethanol	1.363	10.965
n-Propanol	2.439	201.632



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	41701DK	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:47:51 AM
Data file:	C:\Chem32\1\Data\02Nov22\18.D	Analyst:	Canonico

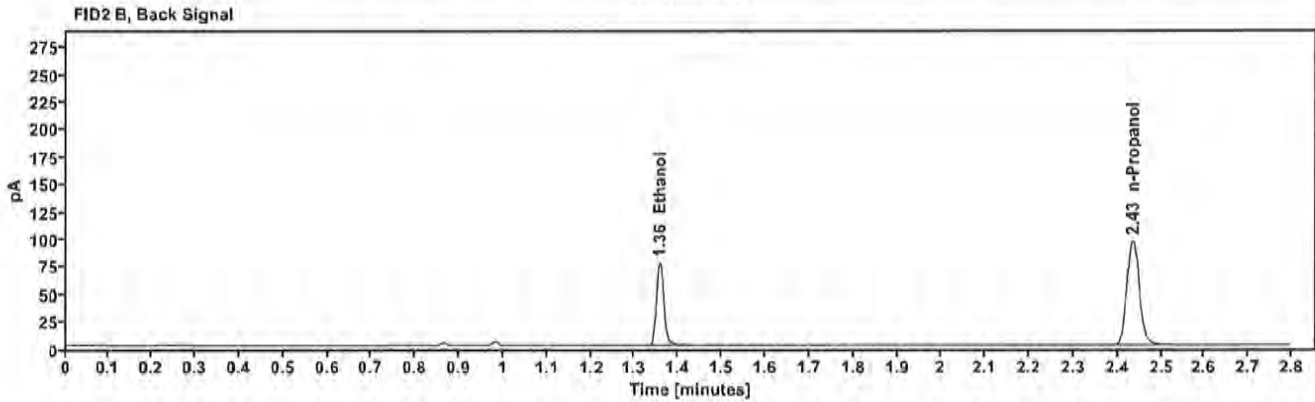
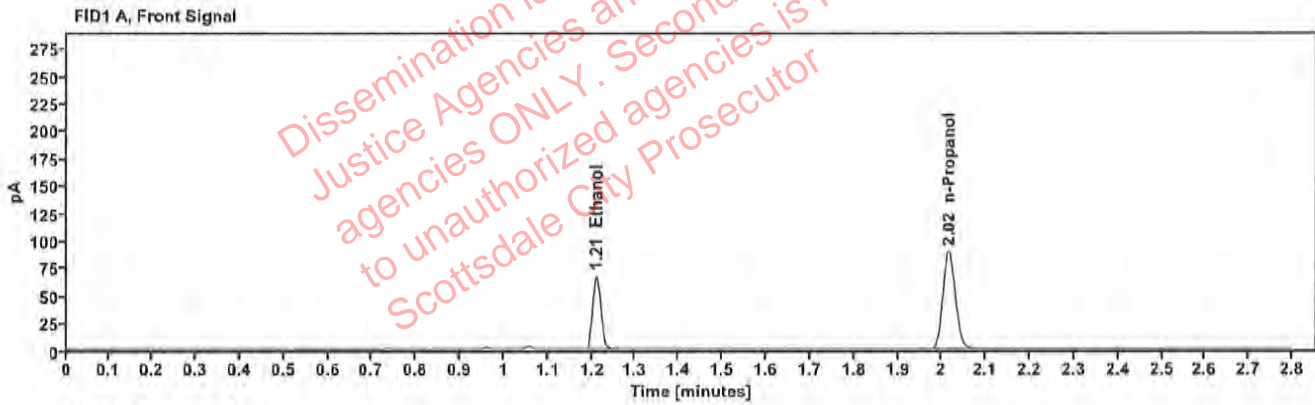


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1353	1.210	84.769
n-Propanol	---	2.016	176.369

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

Compound	Time (min)	Peak Area
Ethanol	1.357	92.636
n-Propanol	2.435	190.982

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	41701DK	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 11:52:06 AM
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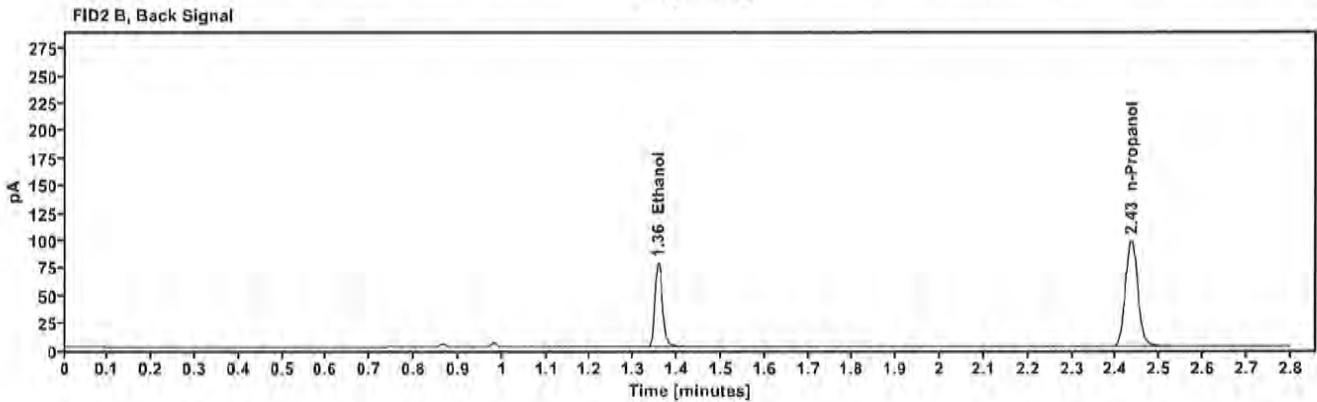
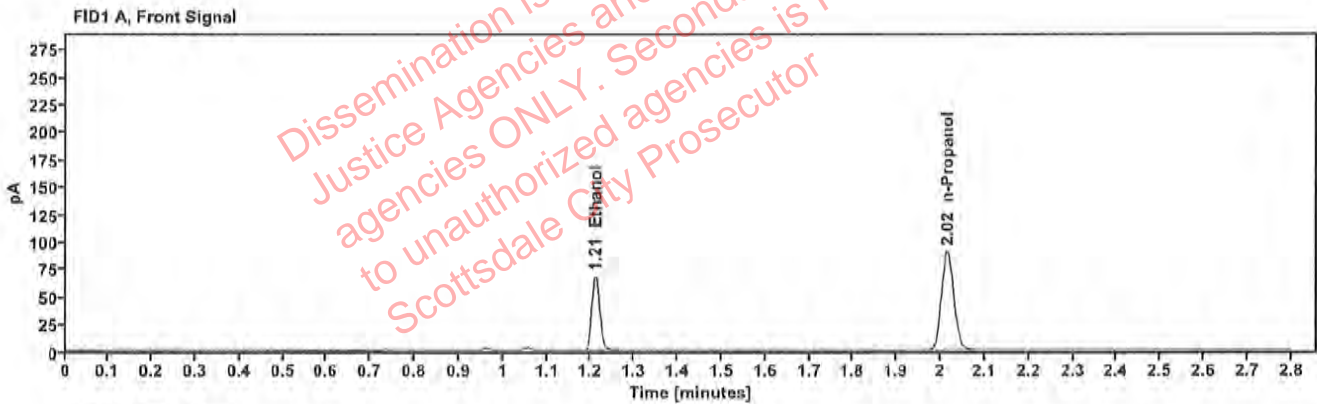


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1351	1.210	86.182
n-Propanol	---	2.015	179.550

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

Compound	Time (min)	Peak Area
Ethanol	1.357	93.841
n-Propanol	2.435	194.504

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39003JY	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:00:06 PM
Data file:	C:\Chem32\1\Data\02Nov22\21.D	Analyst:	Canonico

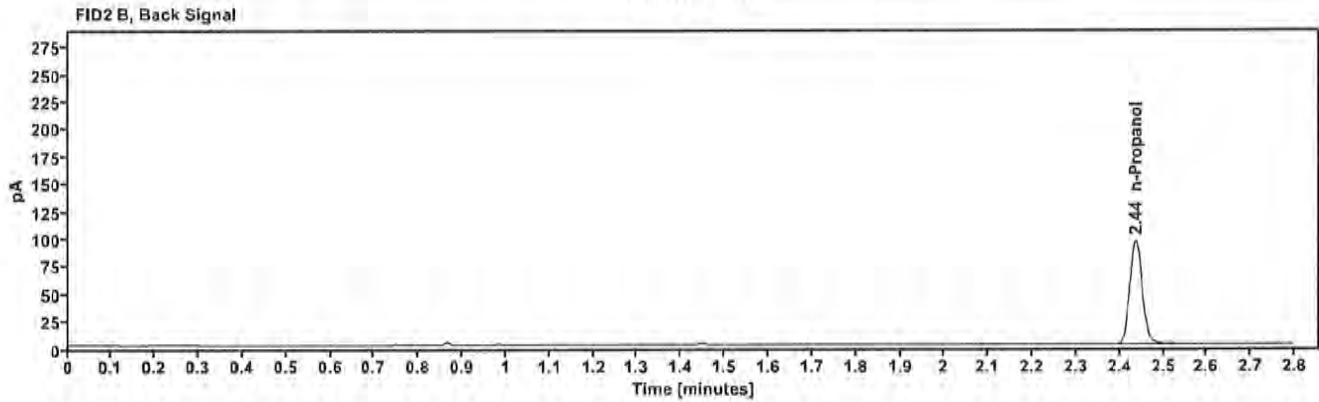
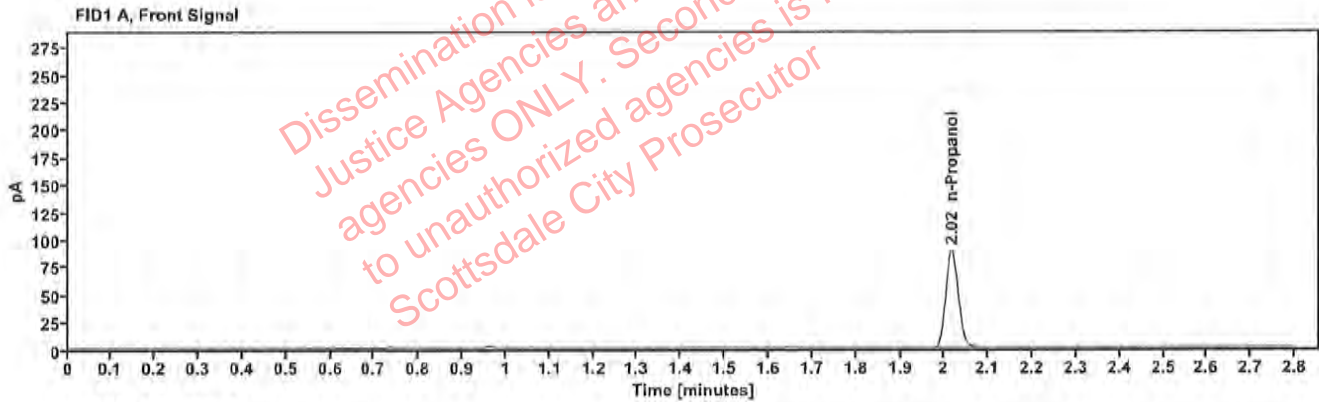


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.017	175.598

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

Compound	Time (min)	Peak Area
n-Propanol	2.437	190.379

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39003JY	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:04:06 PM
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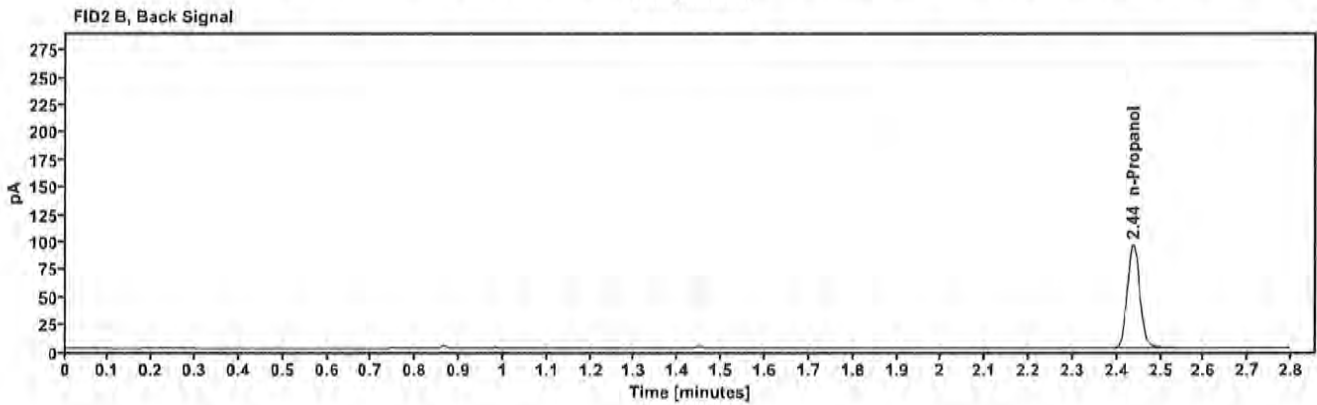
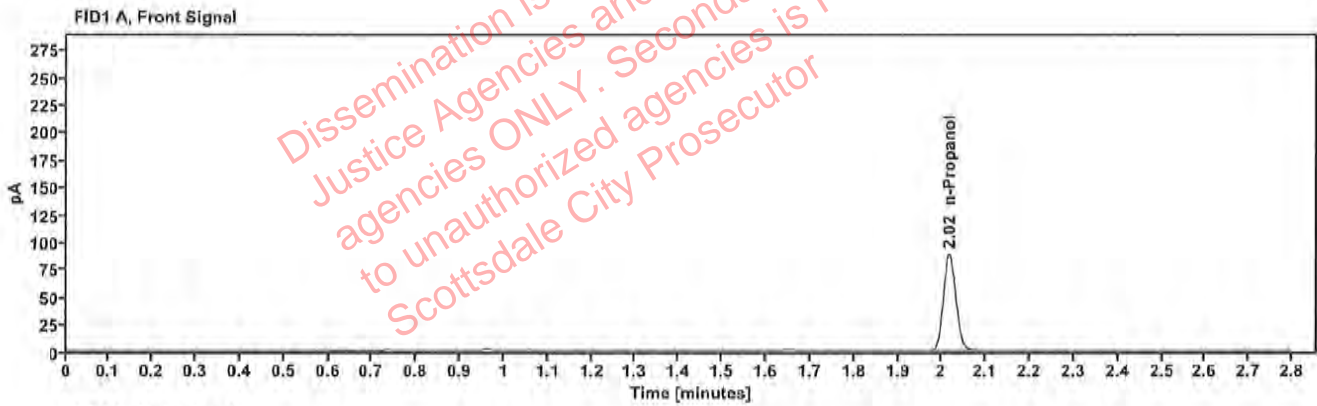


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.017	175.256

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

Compound	Time (min)	Peak Area
n-Propanol	2.437	190.034



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442152	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:08:06 PM
Data file:	C:\Chem32\1\Data\02Nov22\23.D	Analyst:	Canonico

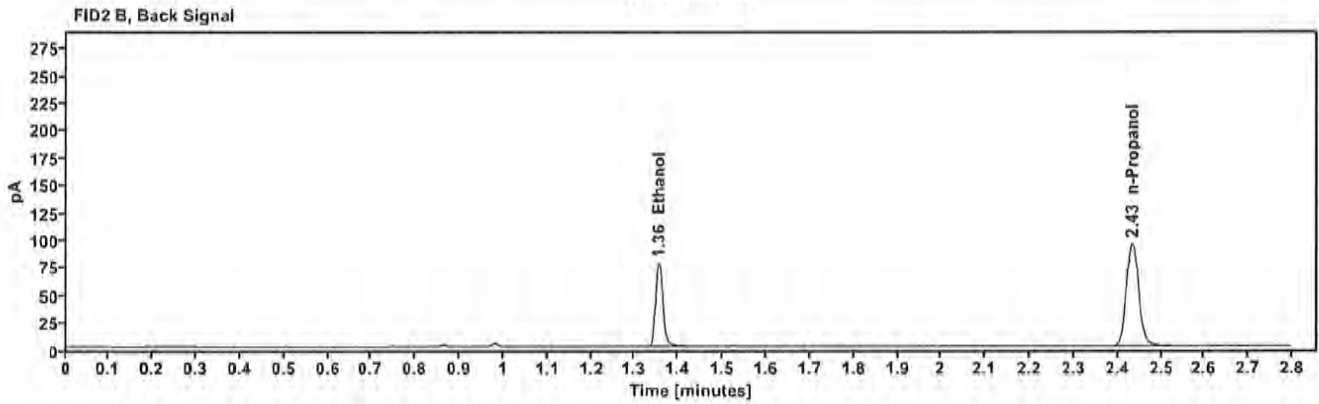
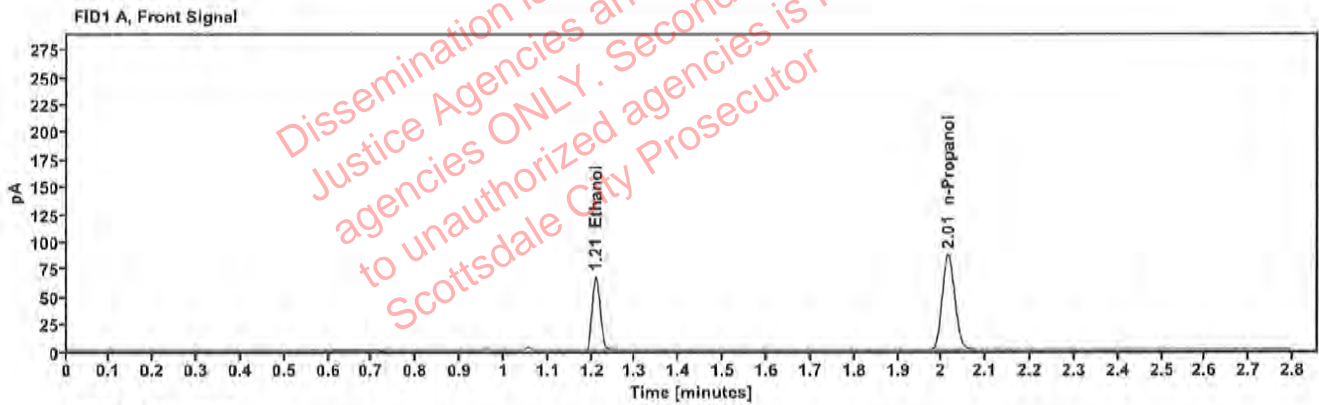


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1376	1.209	84.700
n-Propanol	---	2.015	173.304

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

Compound	Time (min)	Peak Area
Ethanol	1.356	92.292
n-Propanol	2.433	187.784

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442152	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:12:07 PM
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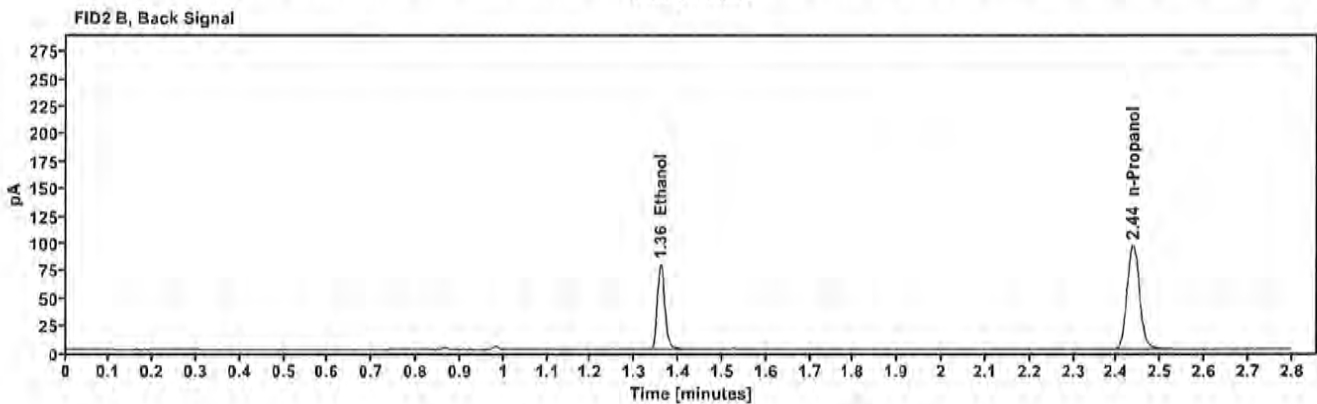
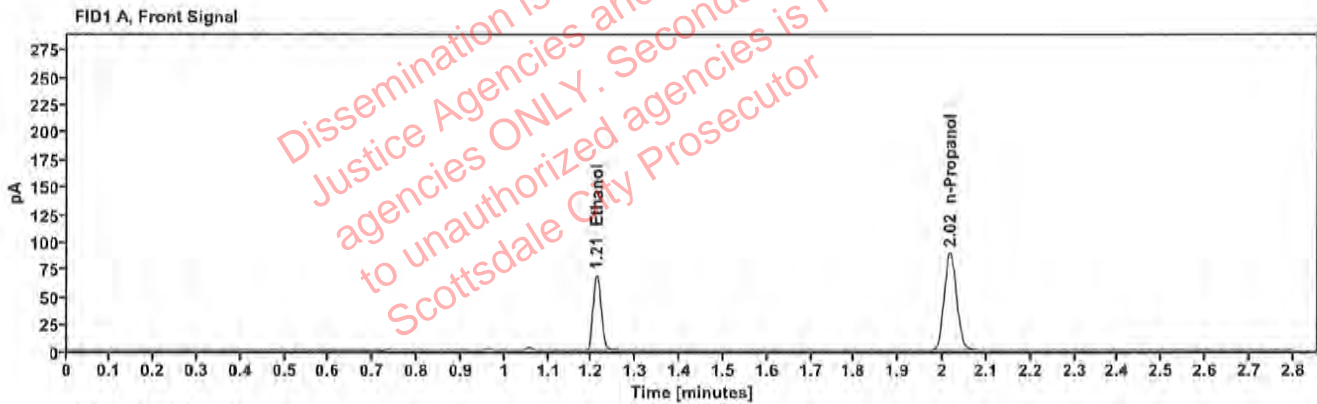


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1392	1.211	87.502
n-Propanol	---	2.017	176.893

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

Compound	Time (min)	Peak Area
Ethanol	1.359	95.768
n-Propanol	2.436	191.635

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1441976	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:16:22 PM
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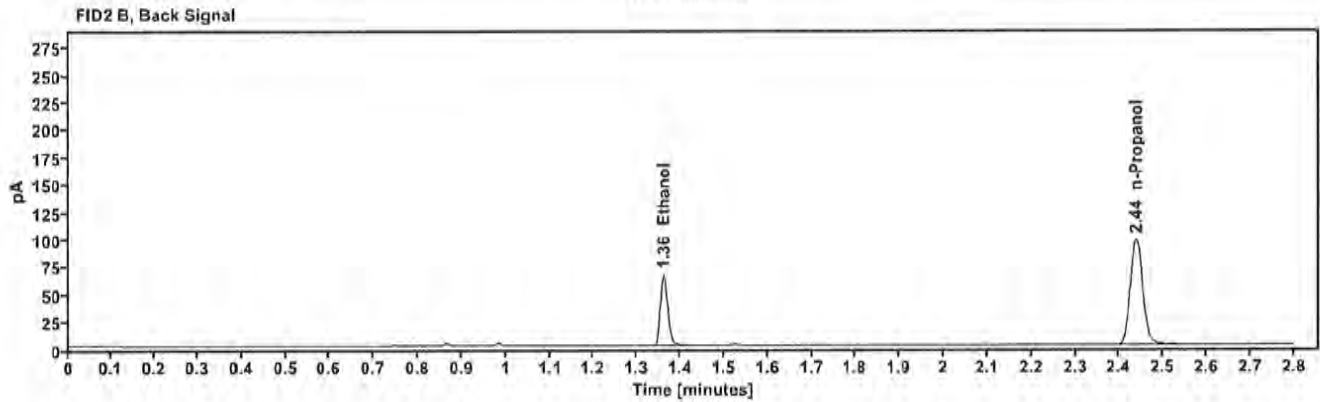
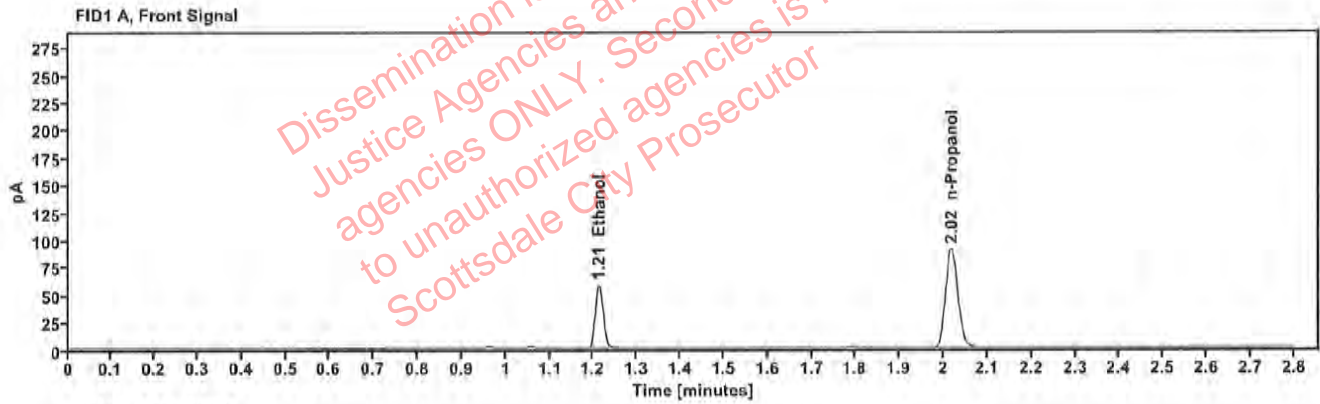


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1164	1.212	73.870
n-Propanol	—	2.018	178.780

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

Compound	Time (min)	Peak Area
Ethanol	1.361	80.383
n-Propanol	2.438	193.183

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1441976	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:20:22 PM
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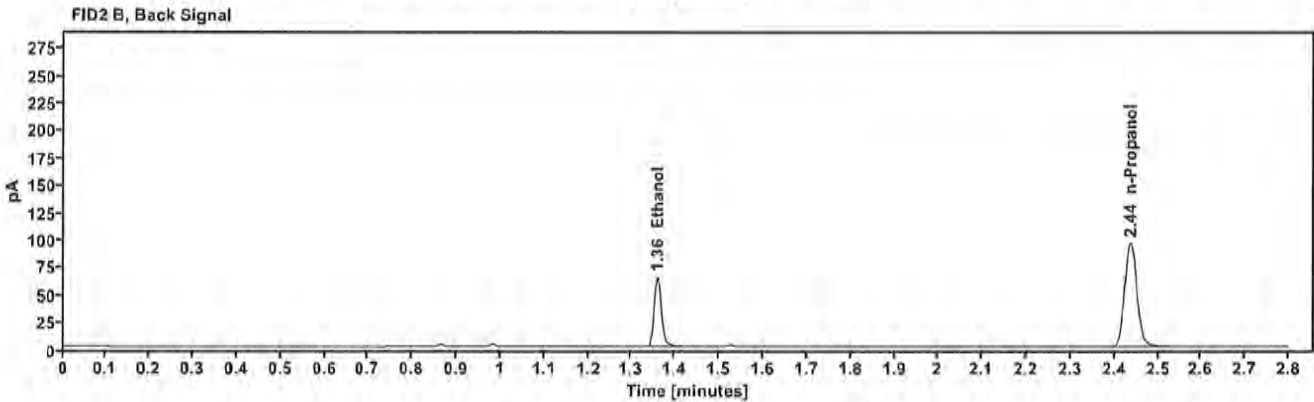
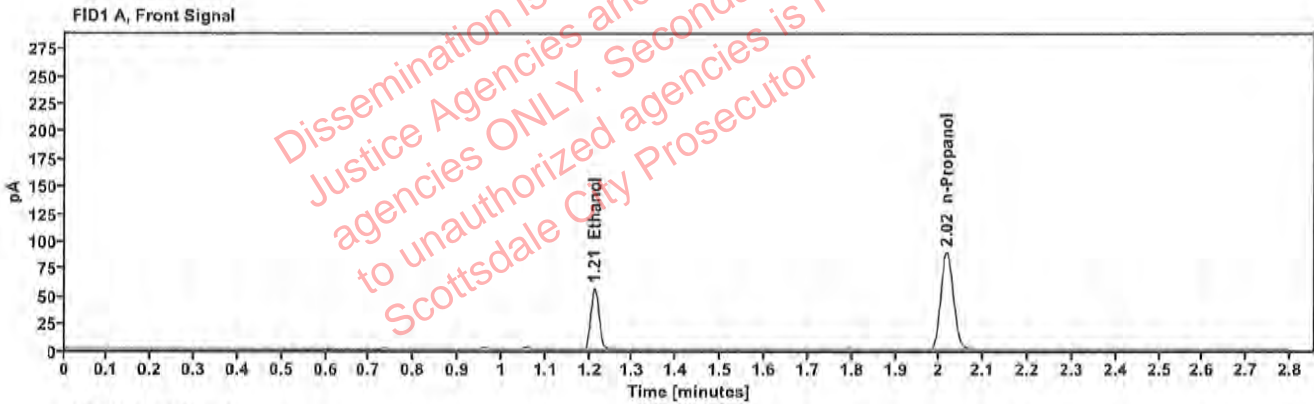


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1142	1.212	71.435
n-Propanol	—	2.017	176.263

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

Compound	Time (min)	Peak Area
Ethanol	1.360	77.985
n-Propanol	2.437	190.665



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407114	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:24:22 PM
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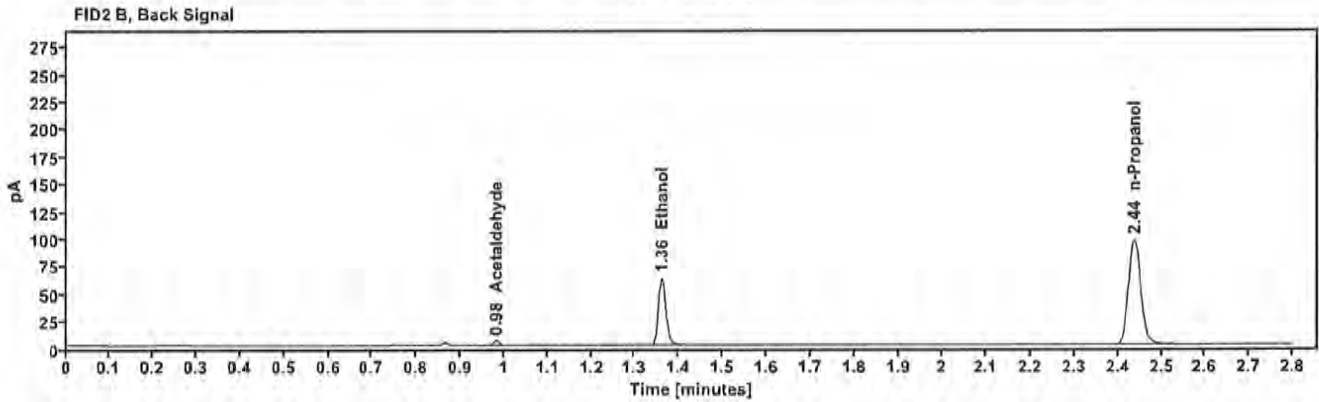
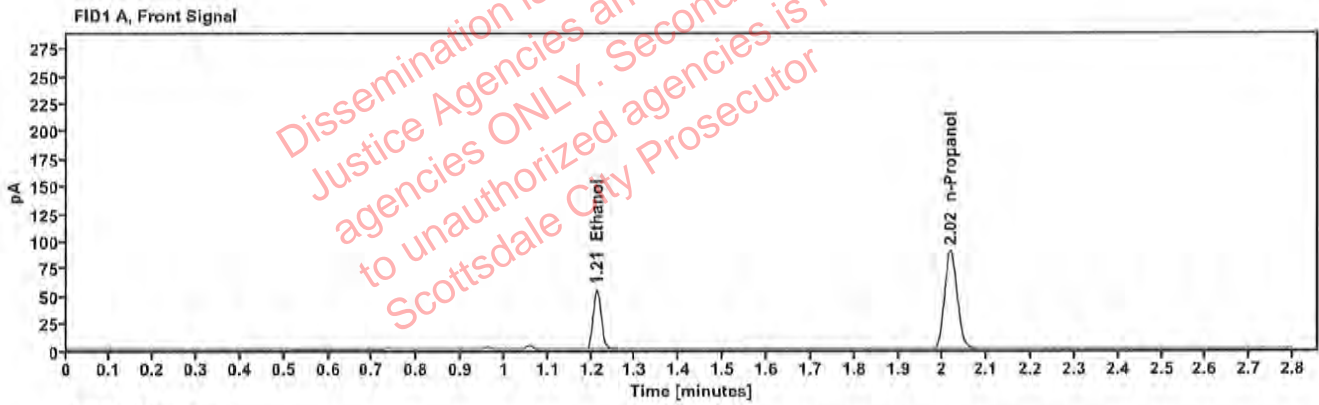


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1100	1.212	69.368
n-Propanol	---	2.017	177.684

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	3.990
Ethanol	1.361	75.374
n-Propanol	2.438	192.473

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407114	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:28:22 PM
Data file:	C:\Chem32\1\Data\02Nov22\28.D	Analyst:	Canonico

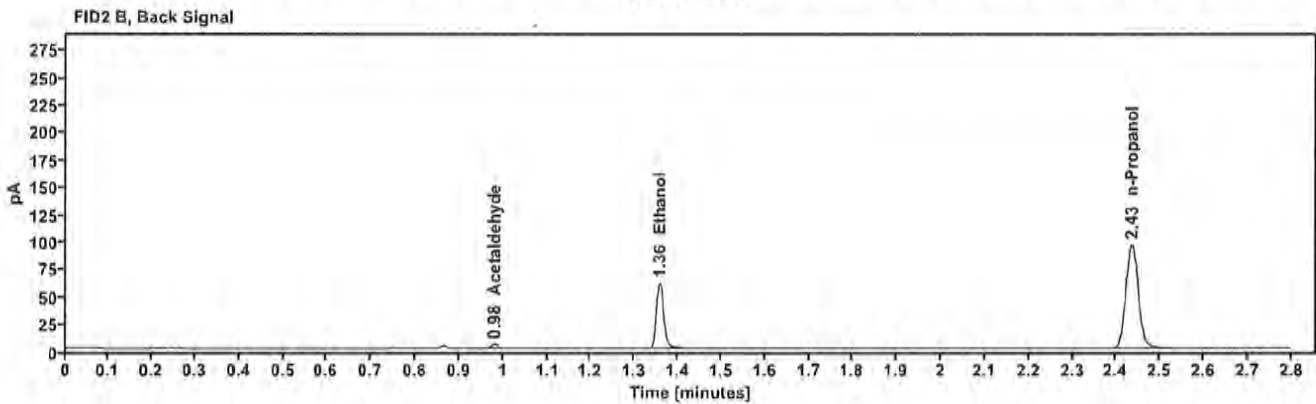
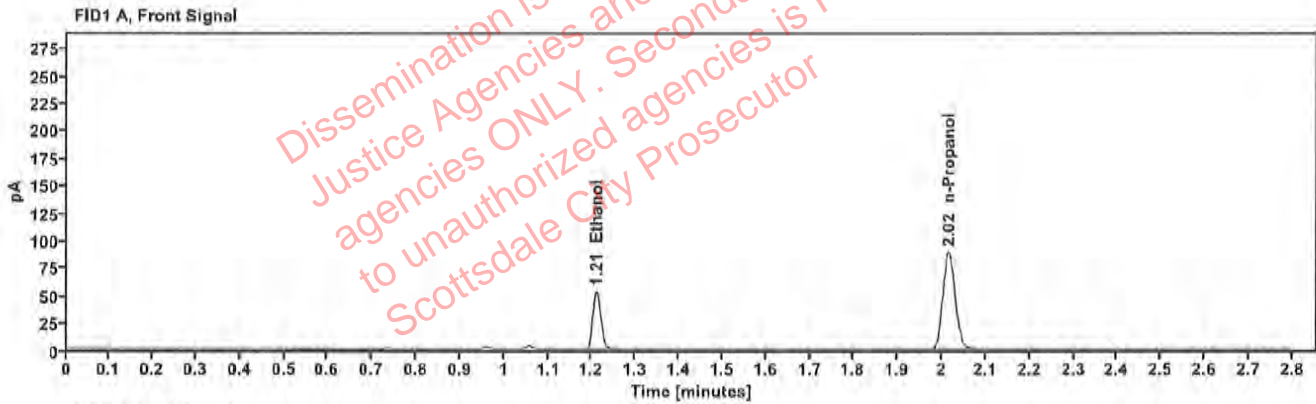


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1077	1.210	67.241
n-Propanol	---	2.015	175.856

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.027
Etanol	1.357	73.021
n-Propanol	2.435	190.666

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442457	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:32:23 PM
Data file:	C:\Chem32\1\Data\02Nov22\29.D	Analyst:	Canonico

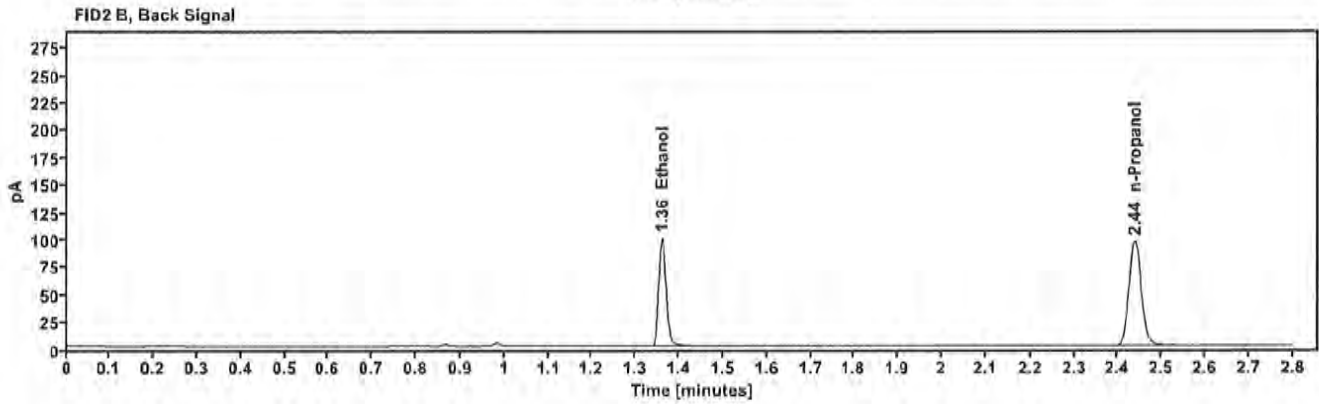
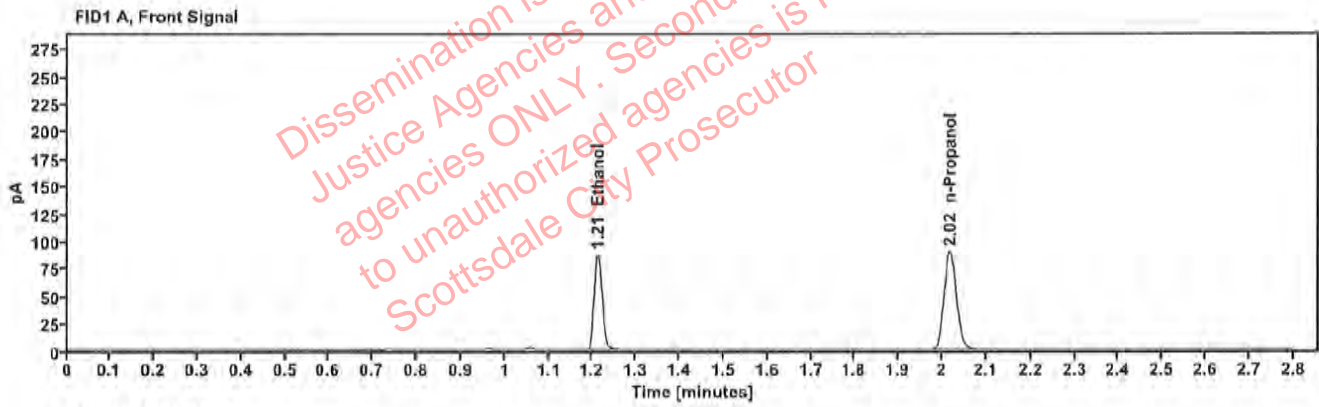


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1763	1.212	111.098
n-Propanol	---	2.018	177.210

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

Compound	Time (min)	Peak Area
Ethanol	1.361	121.549
n-Propanol	2.438	191.421

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442457	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:36:23 PM
Data file:	C:\Chem32\1\Data\02Nov22\30.D	Analyst:	Canonico

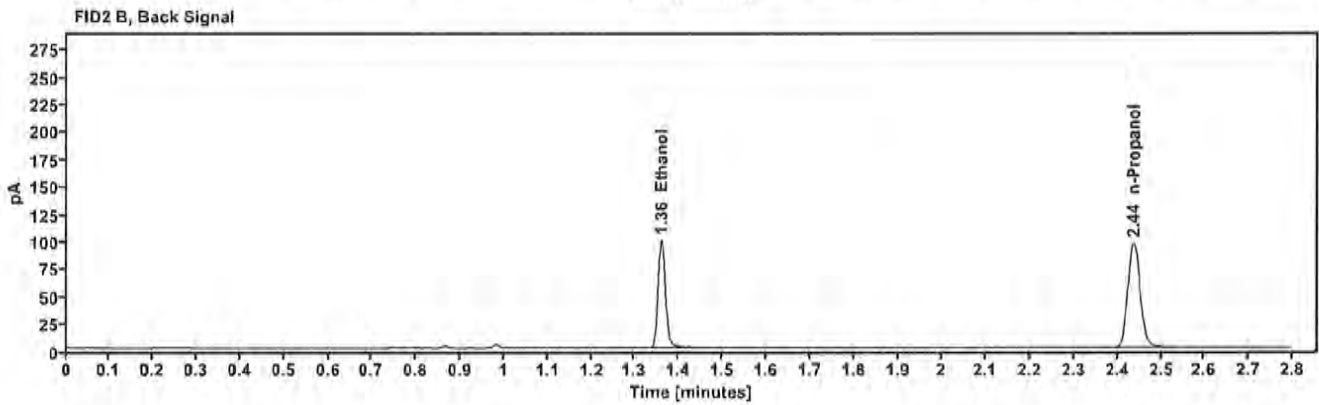
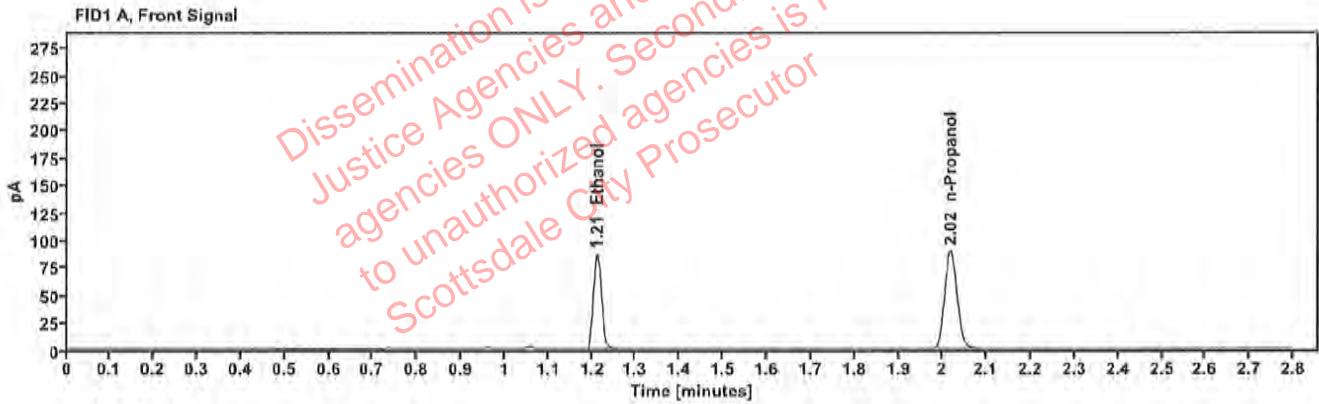


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1752	1.212	110.498
n-Propanol	-----	2.017	177.374

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

Compound	Time (min)	Peak Area
Ethanol	1.360	120.796
n-Propanol	2.437	191.549



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442517	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:44:36 PM
Data file:	C:\Chem32\1\Data\02Nov22\32.D	Analyst:	Canonico

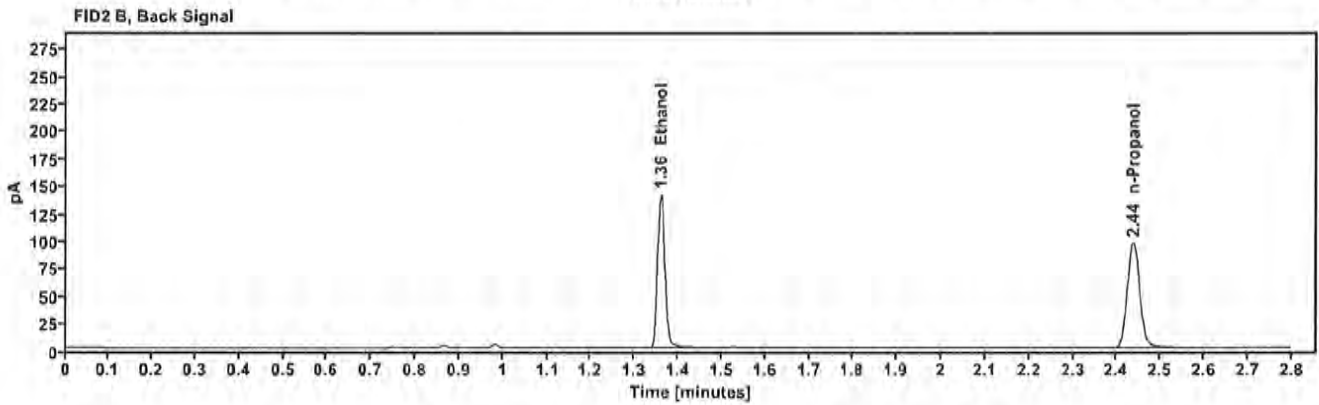
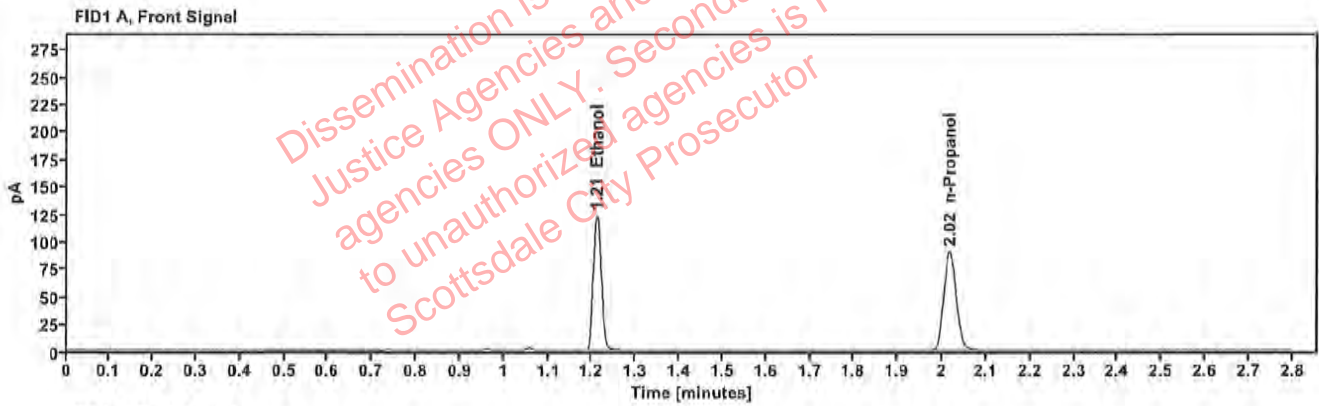


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2463	1.211	156.374
n-Propanol	---	2.017	178.386

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

Compound	Time (min)	Peak Area
Ethanol	1.359	171.638
n-Propanol	2.437	192.621

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442517	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:48:37 PM
Data file:	C:\Chem32\1\Data\02Nov22\33.D	Analyst:	Canonico

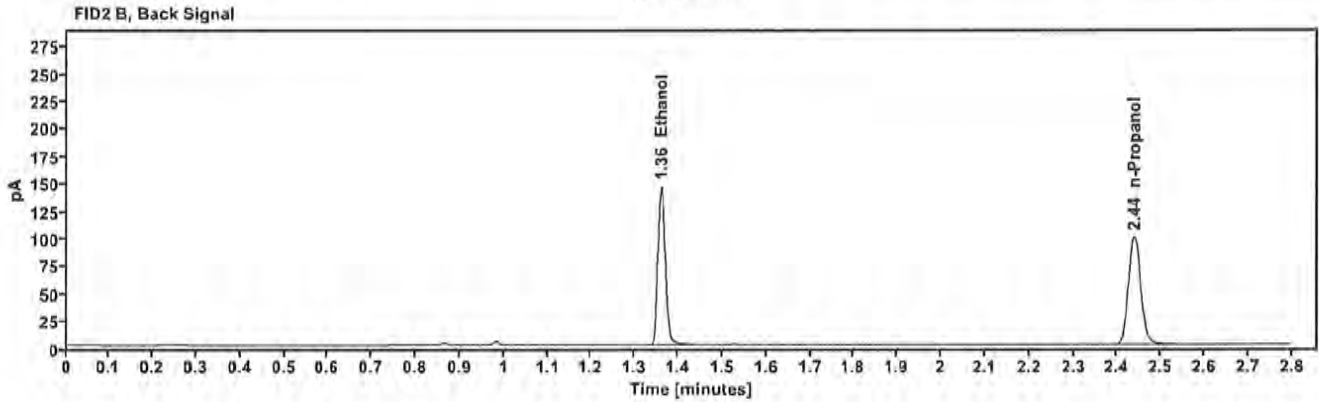
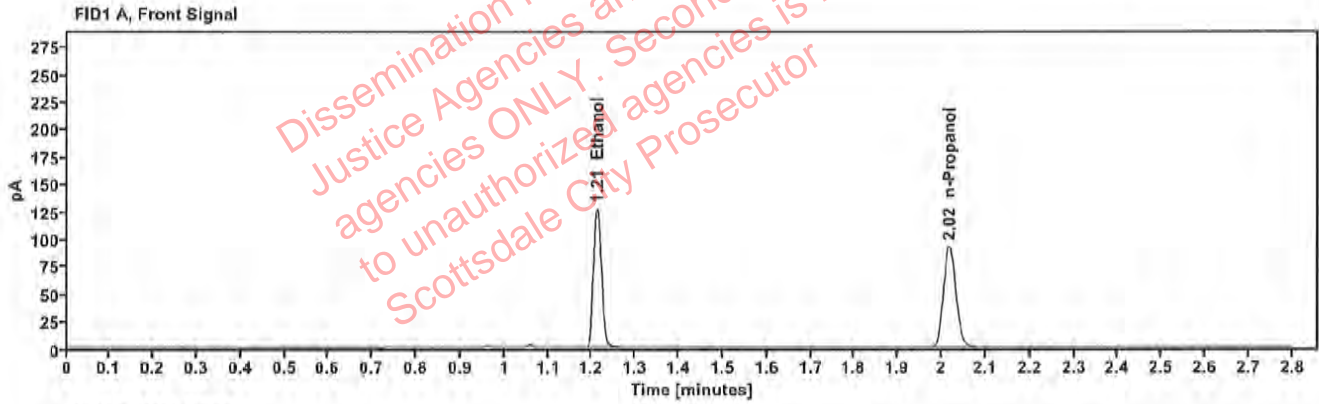


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2495	1.212	162.828
n-Propanol	---	2.018	183.421

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

Compound	Time (min)	Peak Area
Ethanol	1.361	178.607
n-Propanol	2.438	198.259

[REDACTED] : Canonico, Erika - (02-Nov-2022)

Case: [REDACTED] User: ecanonico 11/2/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442153	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:52:38 PM
Data file:	C:\Chem32\1\Data\02Nov22\34.D	Analyst:	Canonico

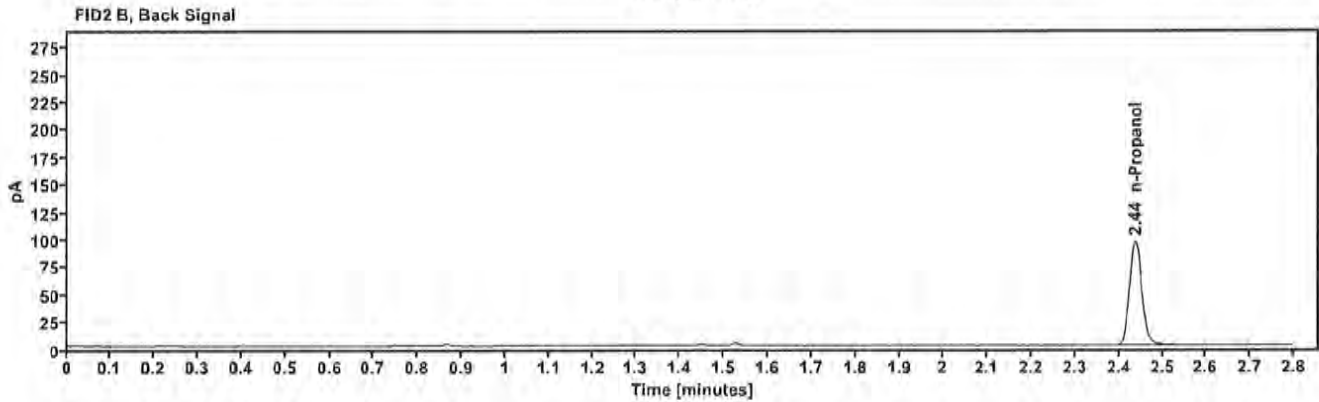
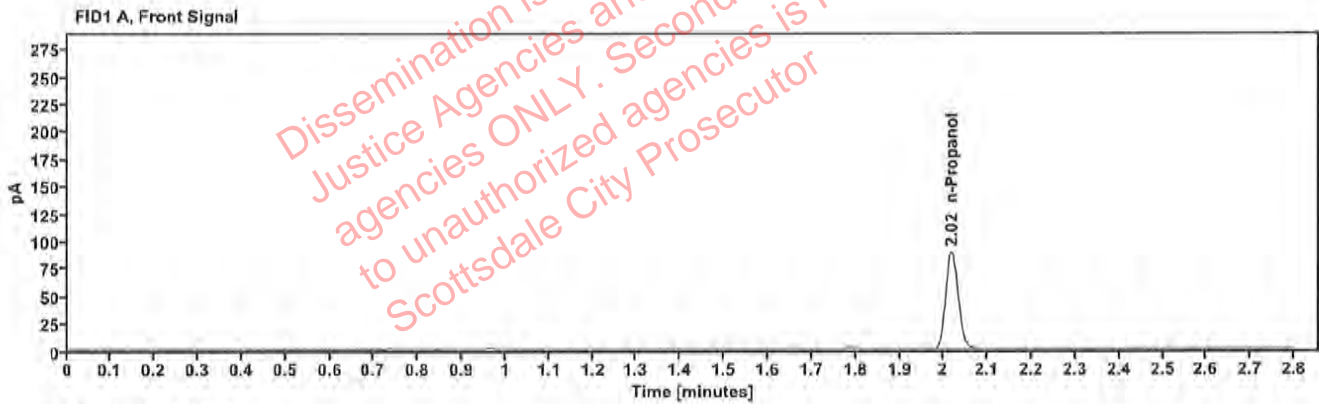


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.018	176.226

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

Compound	Time (min)	Peak Area
n-Propanol	2.438	190.988

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442153	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 12:56:38 PM
Data file:	C:\Chem32\1\Data\02Nov22\35.D	Analyst:	Canonico

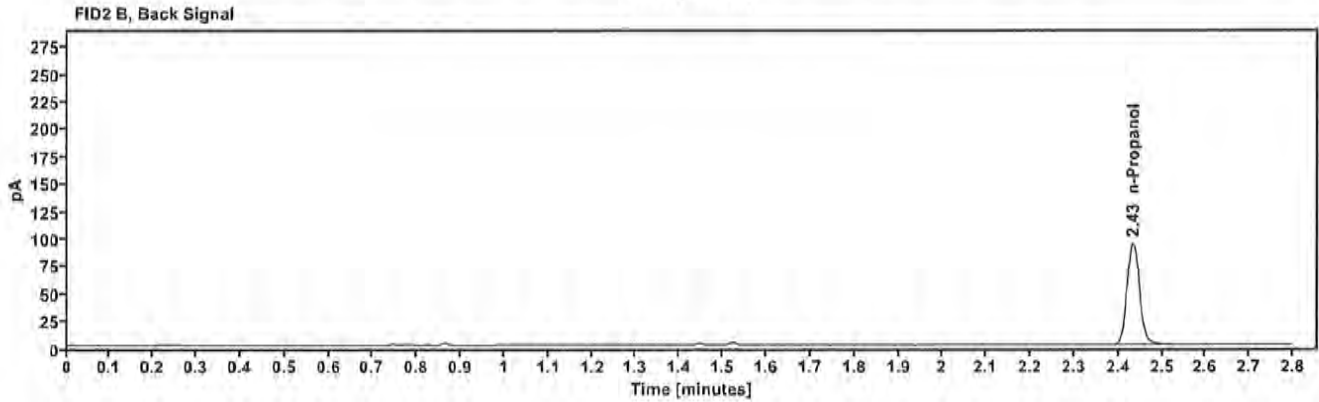
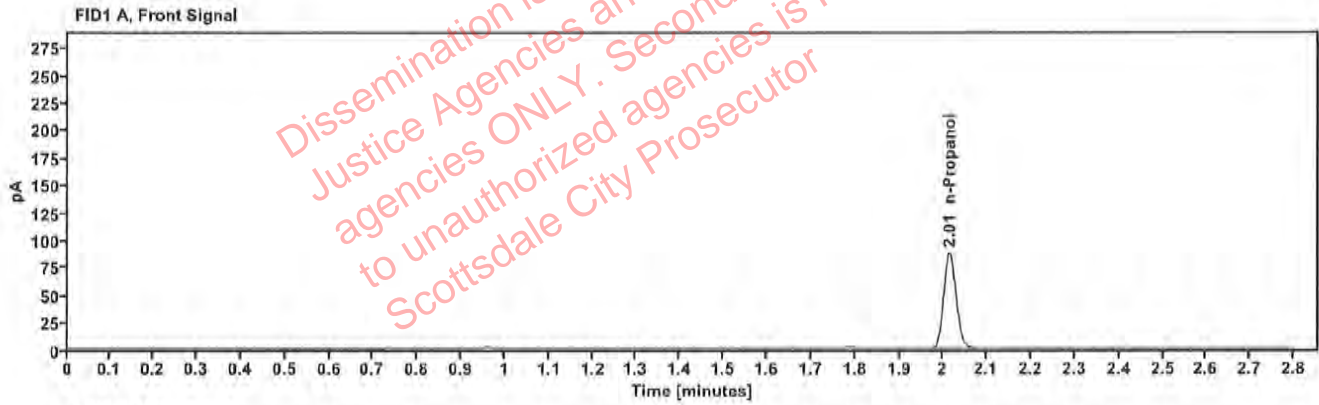


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.014	173.038

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

Compound	Time (min)	Peak Area
n-Propanol	2.433	187.673



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442098	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 1:00:38 PM
Data file:	C:\Chem32\1\Data\02Nov22\36.D	Analyst:	Canonico

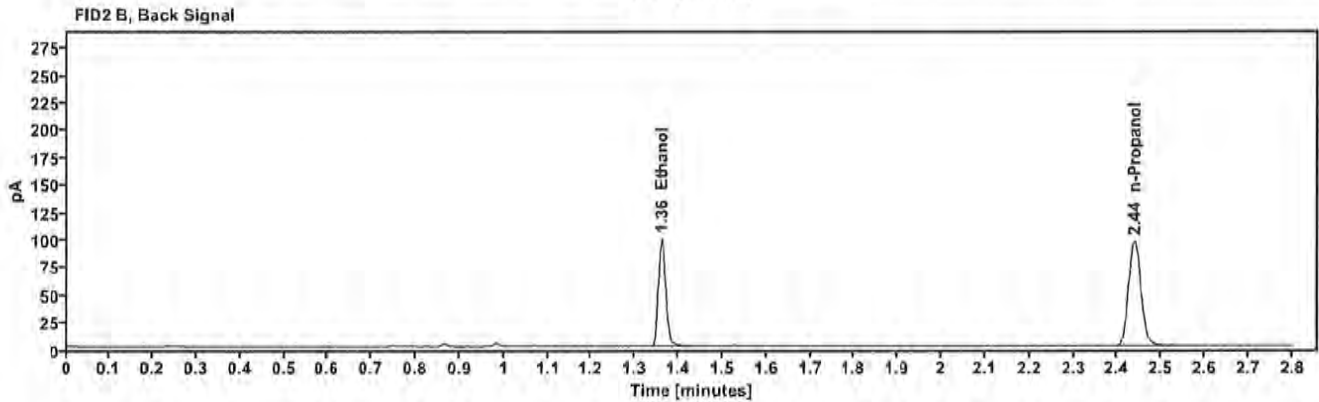
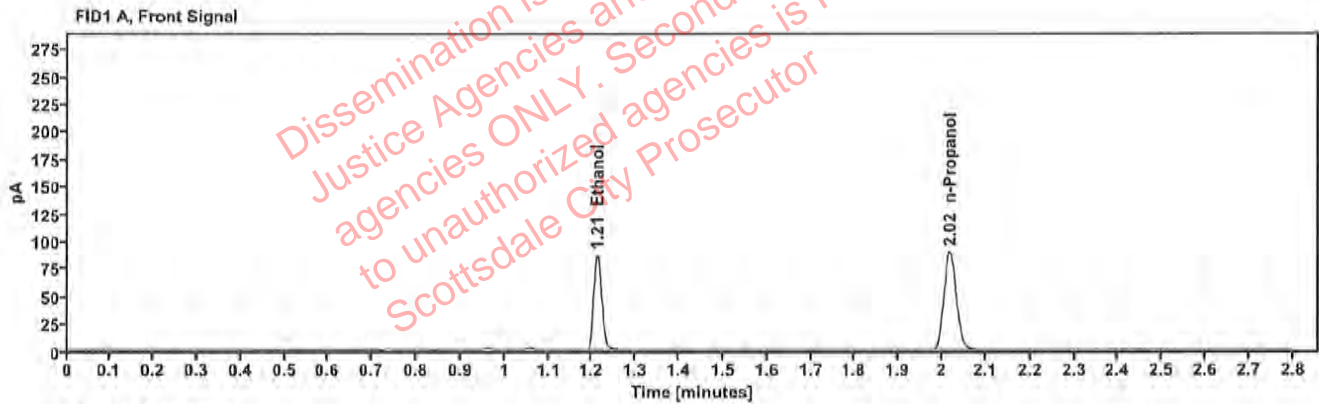


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1752	1.212	110.635
n-Propanol	—	2.018	177.630

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

Compound	Time (min)	Peak Area
Ethanol	1.361	121.092
n-Propanol	2.438	192.018

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442098	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 1:04:52 PM
Data file:	C:\Chem32\1\Data\02Nov22\37.D	Analyst:	Canonico

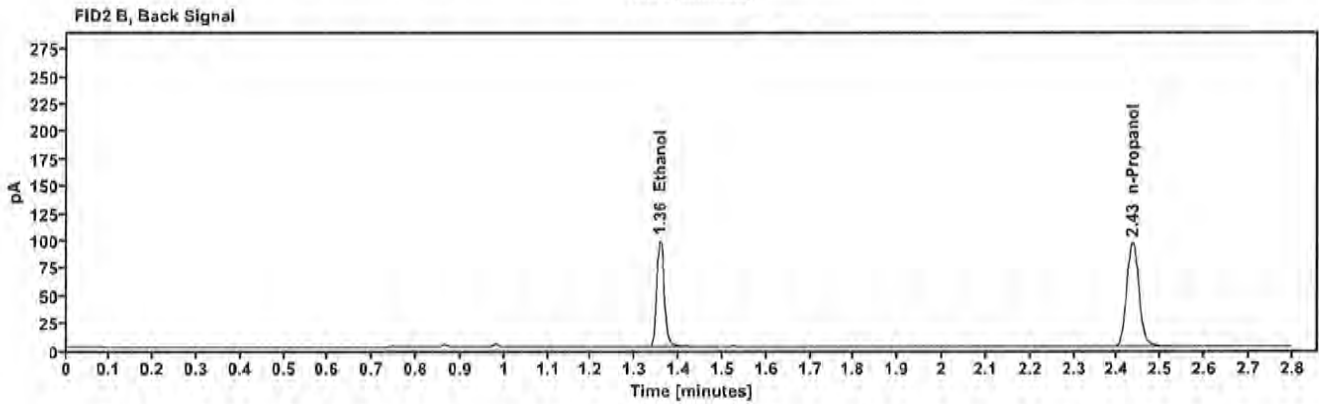
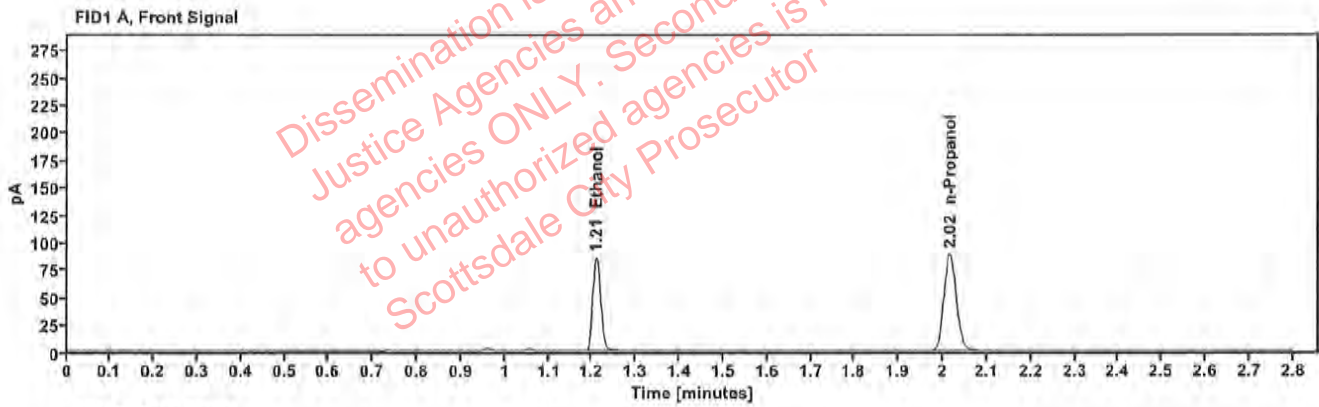


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1733	1.210	108.681
n-Propanol	---	2.015	176.356

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

Compound	Time (min)	Peak Area
Ethanol	1.357	118.703
n-Propanol	2.435	190.527

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442095	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 1:08:51 PM
Data file:	C:\Chem32\1\Data\02Nov22\38.D	Analyst:	Canonico

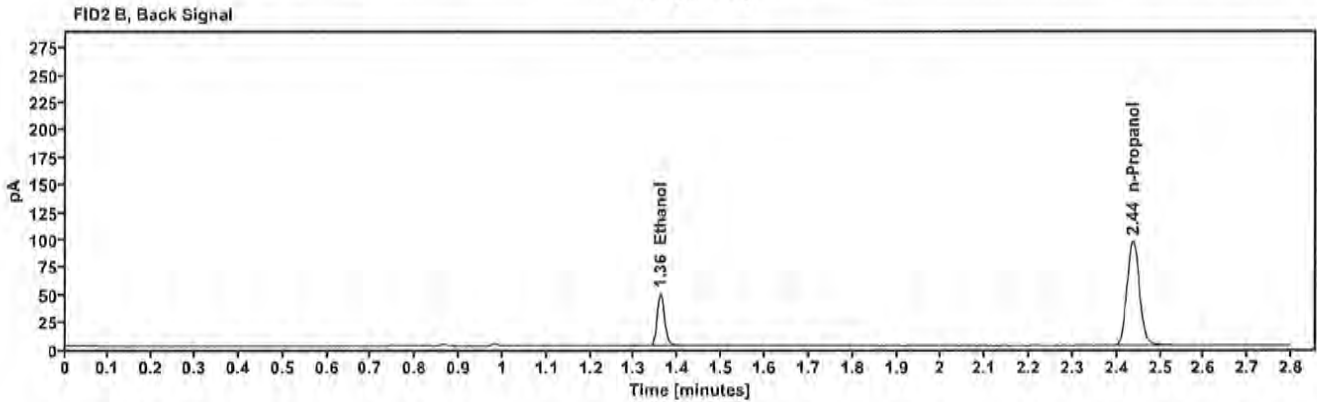
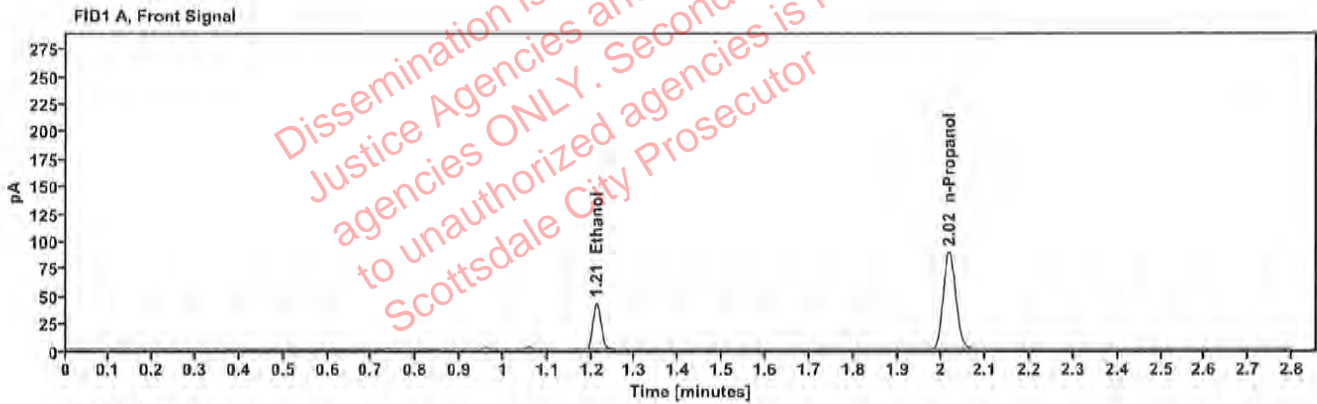


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0868	1.212	54.580
n-Propanol	-----	2.017	177.304

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

Compound	Time (min)	Peak Area
Ethanol	1.360	59.319
n-Propanol	2.437	191.733

[REDACTED]: Canonico, Erika - (02-Nov-2022)

Case: [REDACTED] User: ecanonico 11/2/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442095	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 1:12:52 PM
Data file:	C:\Chem32\1\Data\02Nov22\39.D	Analyst:	Canonico

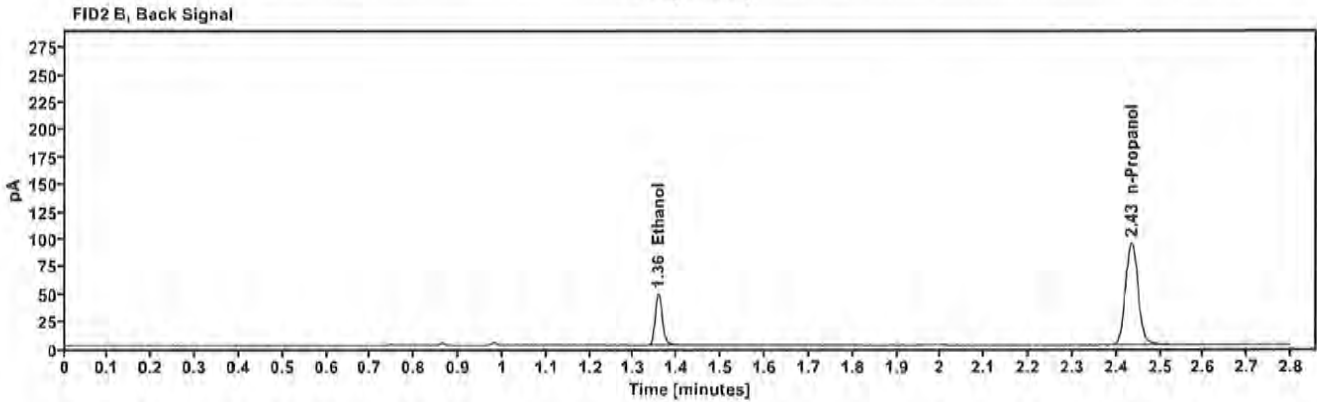
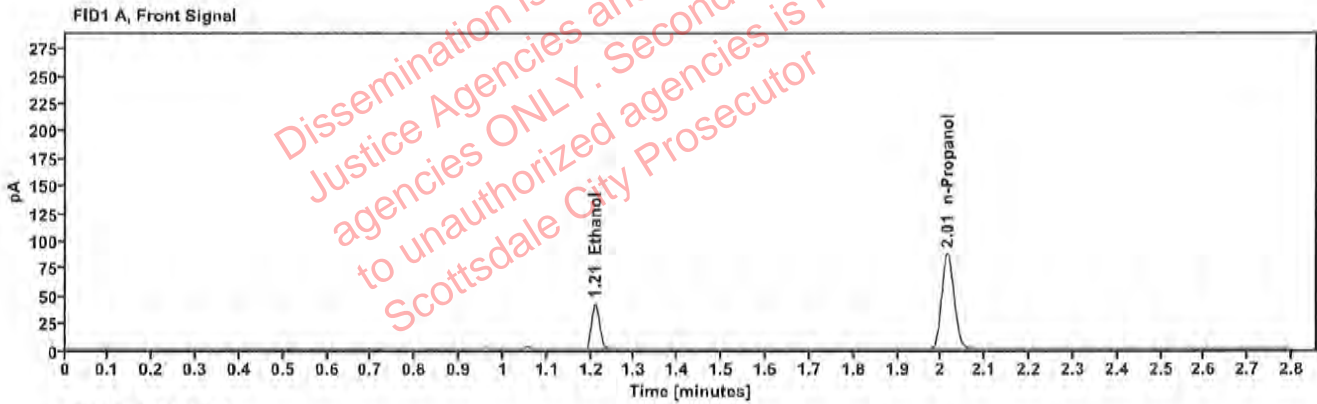


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0859	1.210	52.698
n-Propanol	-----	2.015	172.990

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

Compound	Time (min)	Peak Area
Ethanol	1.356	57.263
n-Propanol	2.434	187.328



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442093	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 1:16:53 PM
Data file:	C:\Chem32\1\Data\02Nov22\40.D	Analyst:	Canonico

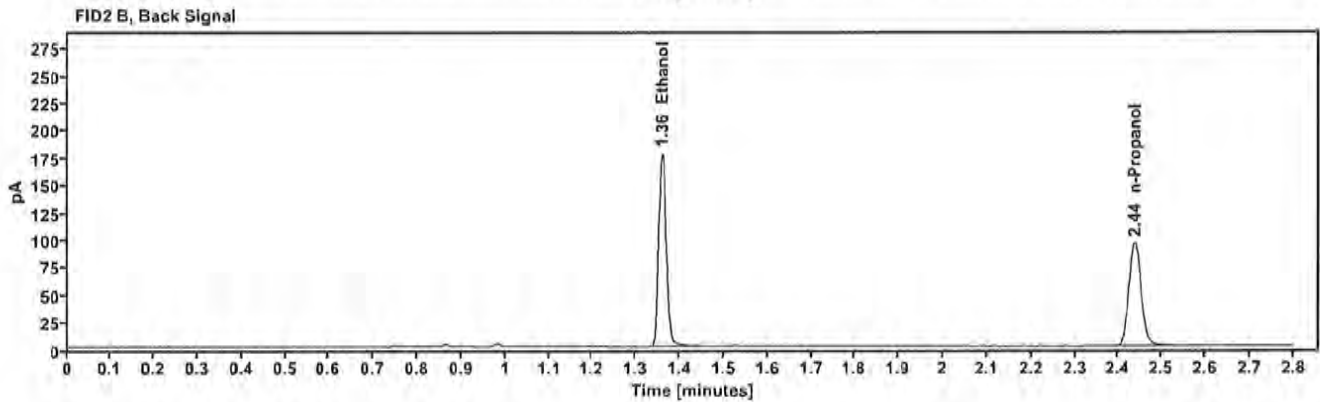
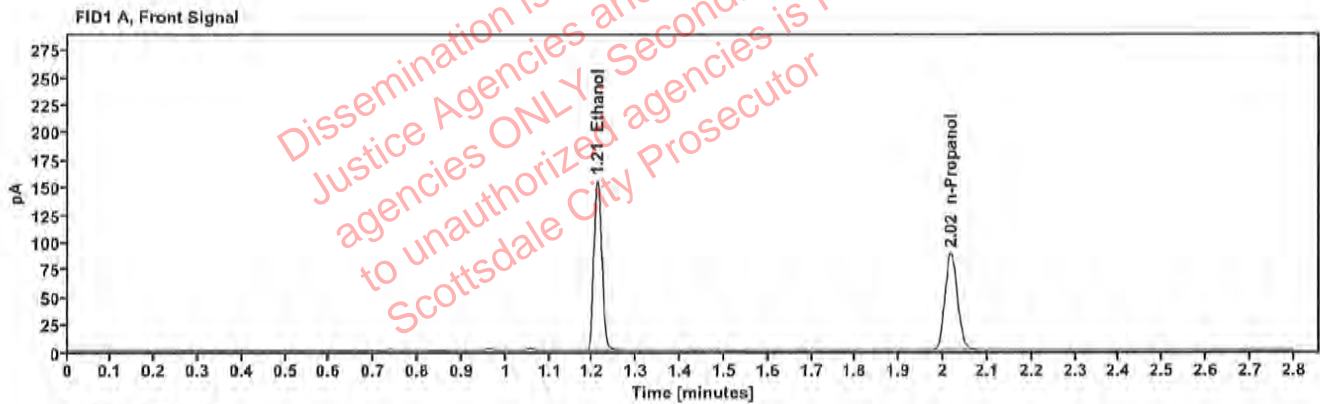


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3151	1.211	197.335
n-Propanol	---	2.017	175.936

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

Compound	Time (min)	Peak Area
Ethanol	1.359	216.833
n-Propanol	2.437	189.964

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1442093	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/2/2022 1:20:53 PM
Data file:	C:\Chem32\1\Data\02Nov22\41.D	Analyst:	Canonico

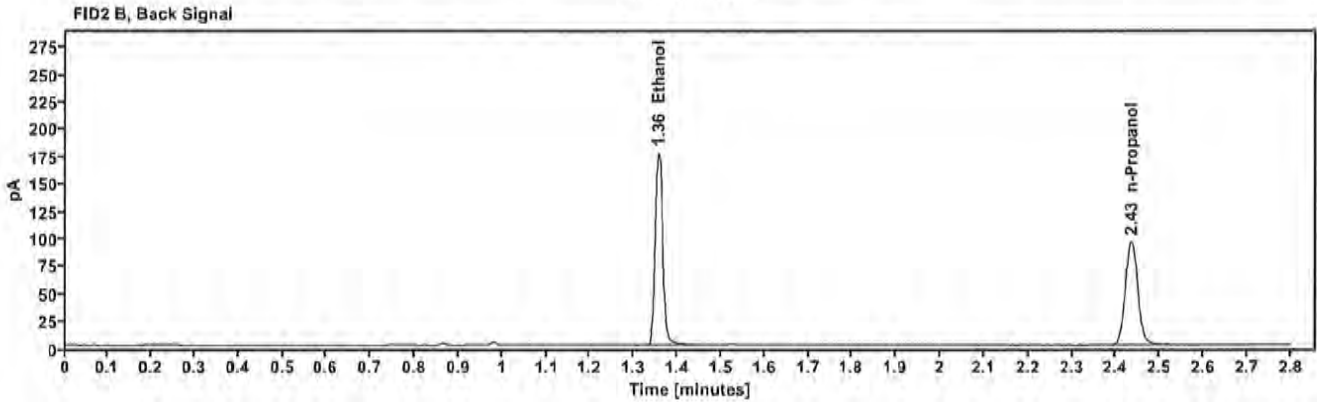
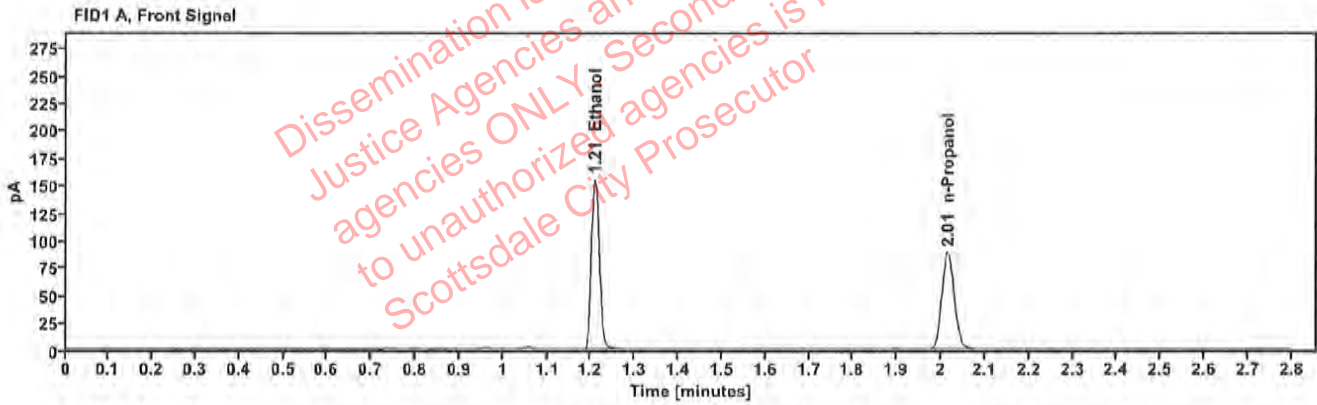


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3113	1.209	195.114
n-Propanol	---	2.015	176.054

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

Compound	Time (min)	Peak Area
Ethanol	1.356	214.528
n-Propanol	2.434	190.494