

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/31/2023 SEQUENCE NAME 31Oct23

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN11172002 0.99942  
 Vial 3 0.20 calibrator Lot FN03132302  
 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 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.396 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.078 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.078 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD lab 092223AQ

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

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

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

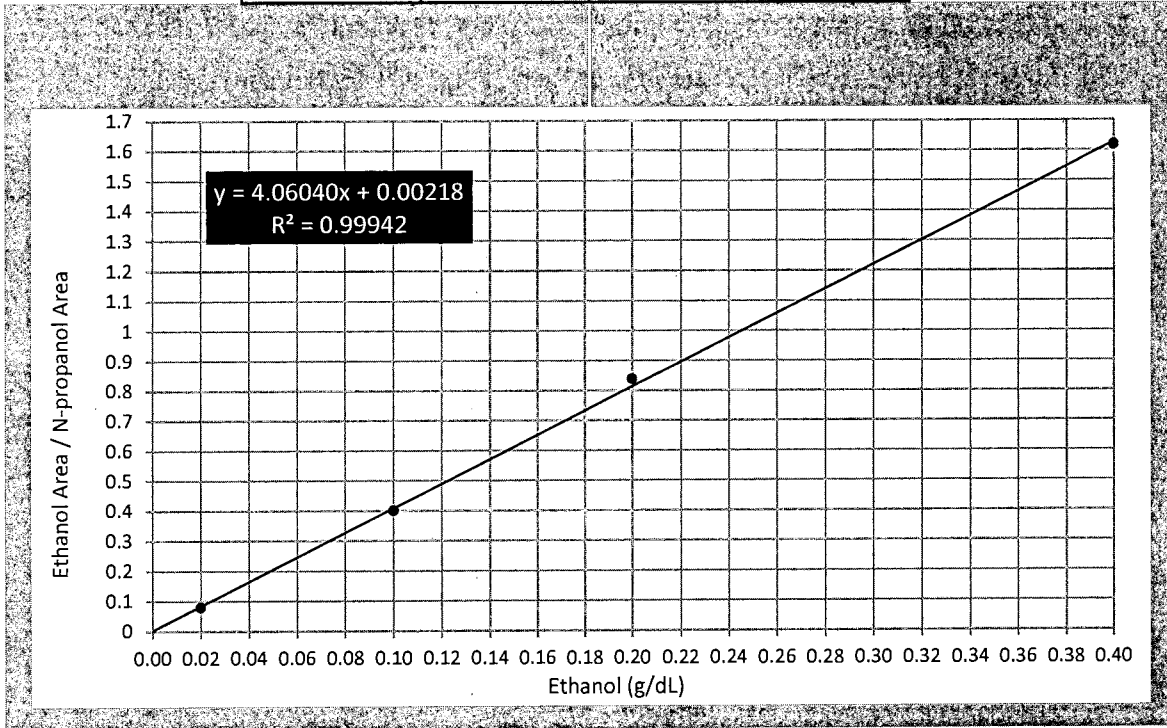
# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 31Oct23

ANALYST: Abbott *AA*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 092223AQ	5	negative	negative	-	-
0.400 30012020-A	7	0.396	0.400	1.00	-0.004
0.040 14082019-B	8	0.039	0.040	2.50	-0.001
0.199 ACQ 4110320133/11	9	0.202	0.199	1.51	0.003
0.080 20012020-B	20	0.078	0.080	2.50	-0.002
0.080 20012020-B	31	0.078	0.080	2.50	-0.002
0.400 30012020-A	42	0.399	0.400	0.25	-0.001
0.040 14082019-B	43	0.039	0.040	2.50	-0.001
0.199 ACQ 4110320133/11	44	0.201	0.199	1.01	0.002
blank 011823WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.827	151.739	0.078
0.100	59.687	149.535	0.399
0.200	138.587	165.334	0.838
0.400	238.322	147.394	1.617



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03122113	Vial: 1
Description: 0.020 calibrator	Sequence: 31Oct23
Method: ethanol quant.M	Injection date: 10/31/2023 4:08:33 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>ds</i>
Data file: C:\Chem32\1\Data\31Oct23\1.D	

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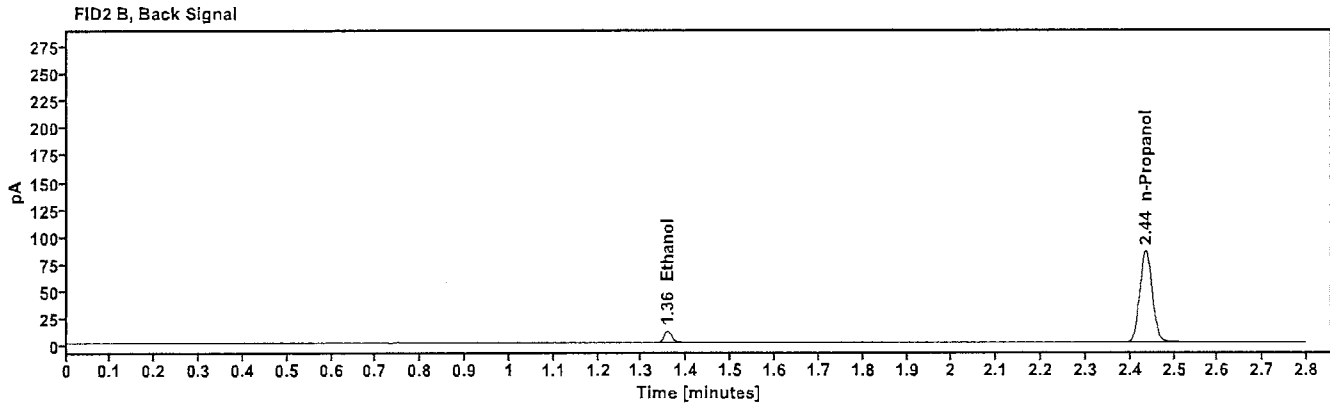
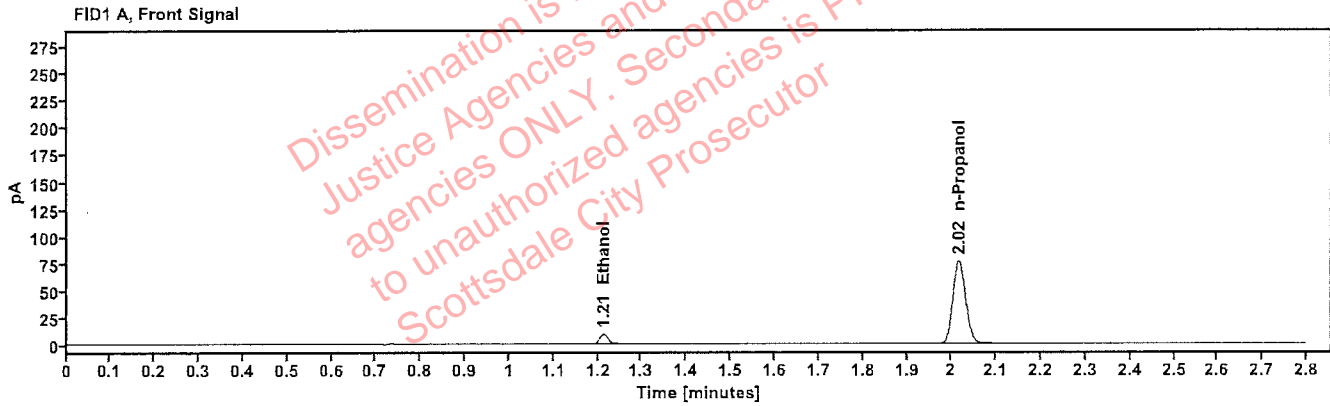


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.827
n-Propanol	2.017	151.739

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

Compound	Time (min)	Peak Area
Ethanol	1.358	12.964
n-Propanol	2.436	166.500

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN11172002	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 31Oct23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/31/2023 4:12:33 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>JA</i>
<b>Data file:</b> C:\Chem32\1\Data\31Oct23\2.D	

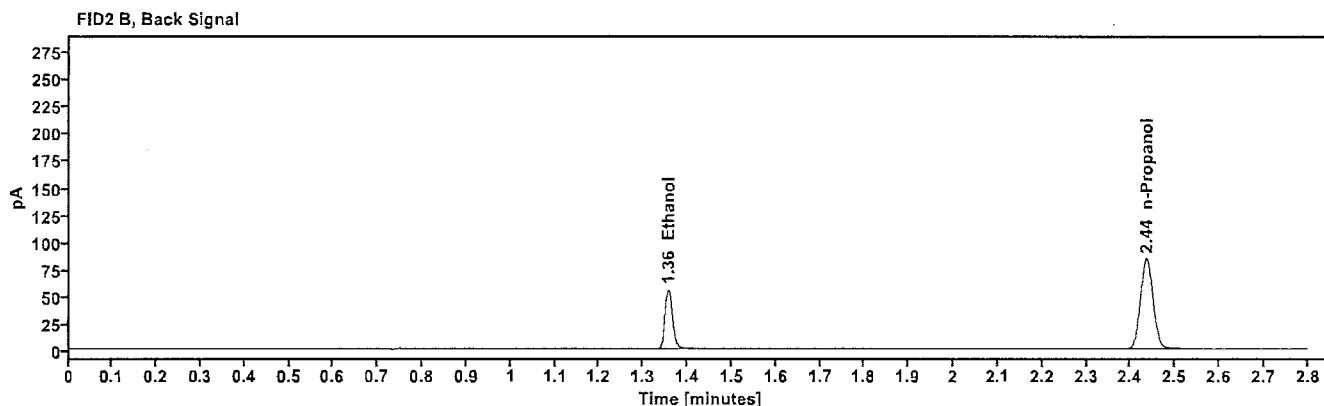
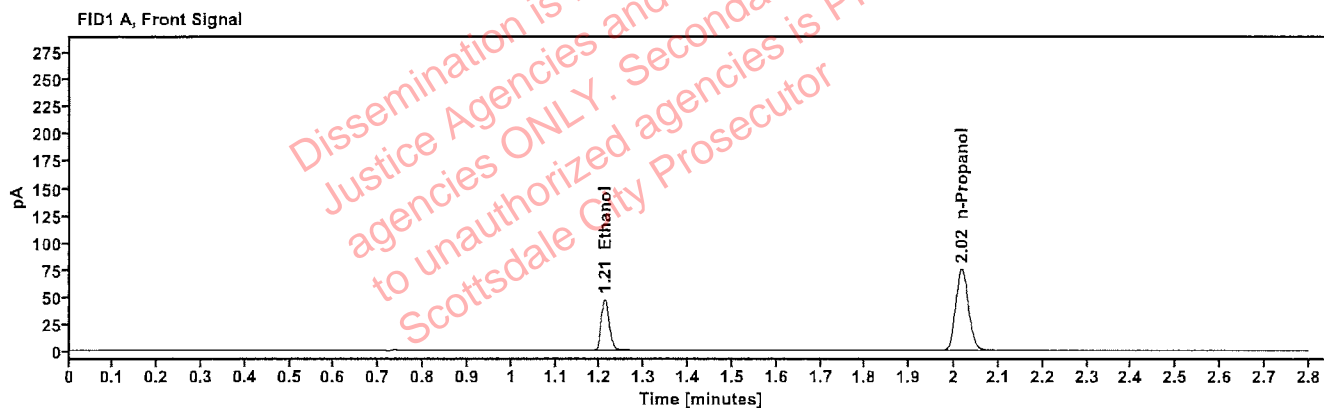


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	59.687
n-Propanol	2.017	149.535

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

Compound	Time (min)	Peak Area
Ethanol	1.356	65.715
n-Propanol	2.436	164.081

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03132302	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 31Oct23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/31/2023 4:16:33 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>JA</i>
<b>Data file:</b> C:\Chem32\1\Data\31Oct23\3.D	

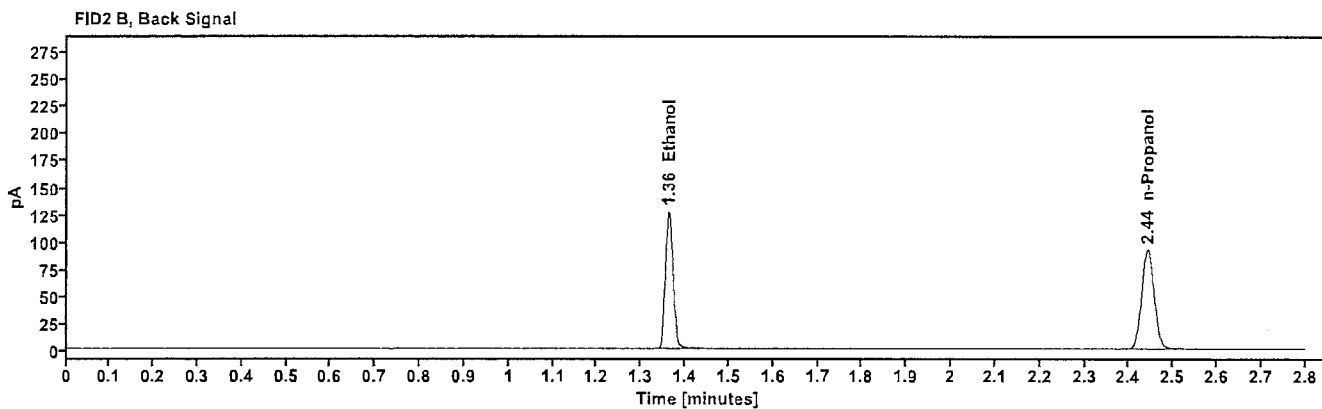
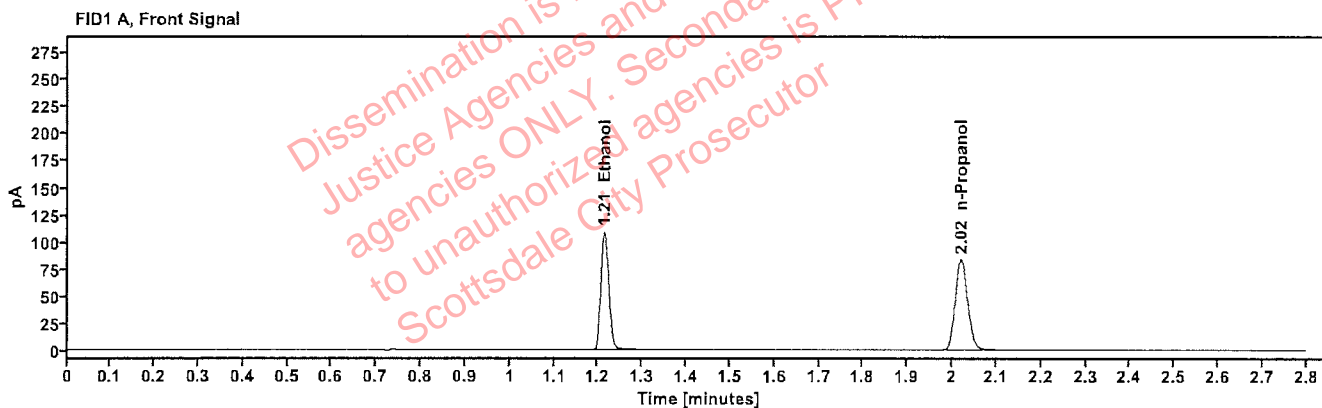


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.214	138.587
n-Propanol	2.021	165.334

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

Compound	Time (min)	Peak Area
Ethanol	1.363	152.749
n-Propanol	2.442	181.224

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 31Oct23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/31/2023 4:20:34 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>DA</i>
<b>Data file:</b> C:\Chem32\1\Data\31Oct23\4.D	

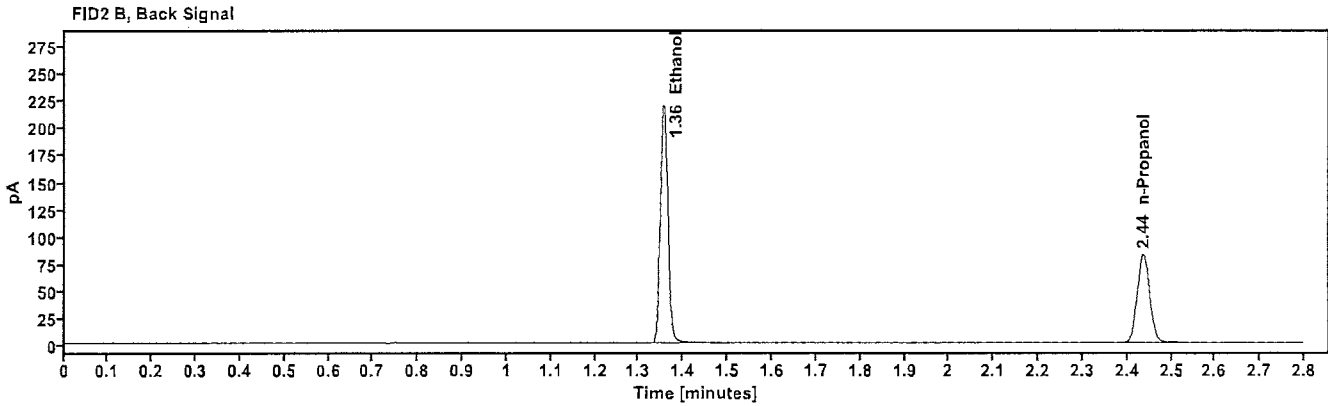
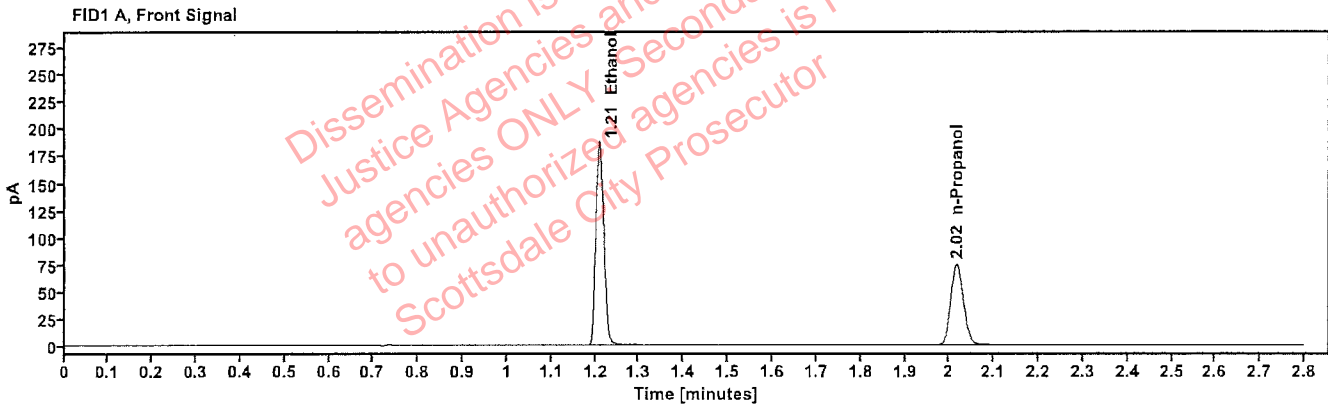


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	238.322
n-Propanol	2.017	147.394

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

Compound	Time (min)	Peak Area
Ethanol	1.356	263.071
n-Propanol	2.436	161.510

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 011823WB	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 31Oct23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/31/2023 4:24:34 PM
<b>Data file:</b> C:\Chem32\1\Data\31Oct23\5.D	<b>Analyst:</b> Abbott <i>Abbott</i>

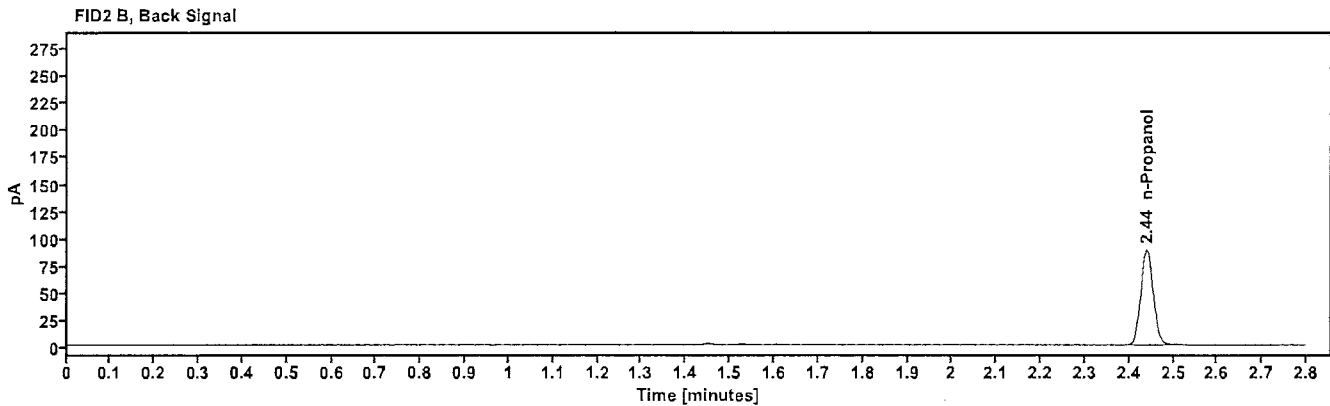
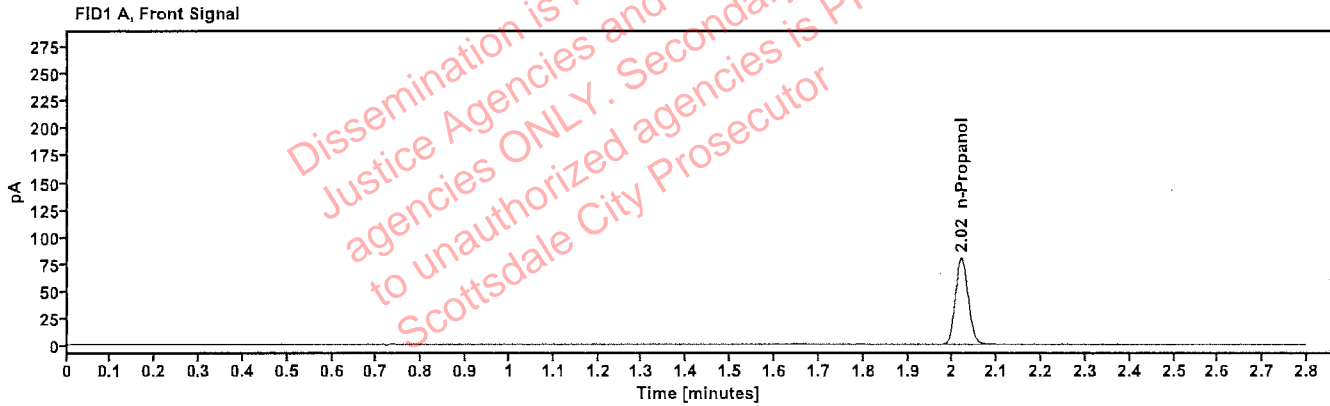


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.020	158.485

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

Compound	Time (min)	Peak Area
n-Propanol	2.440	173.818

# 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> 31Oct23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/31/2023 4:28:33 PM
<b>Data file:</b> C:\Chem32\1\Data\31Oct23\6.D	<b>Analyst:</b> Abbott

*Abbott*

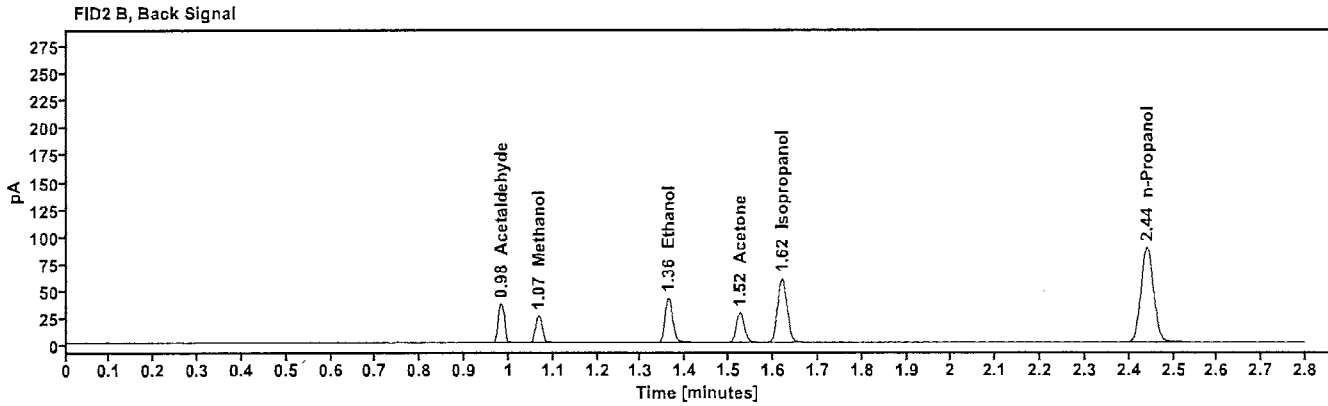
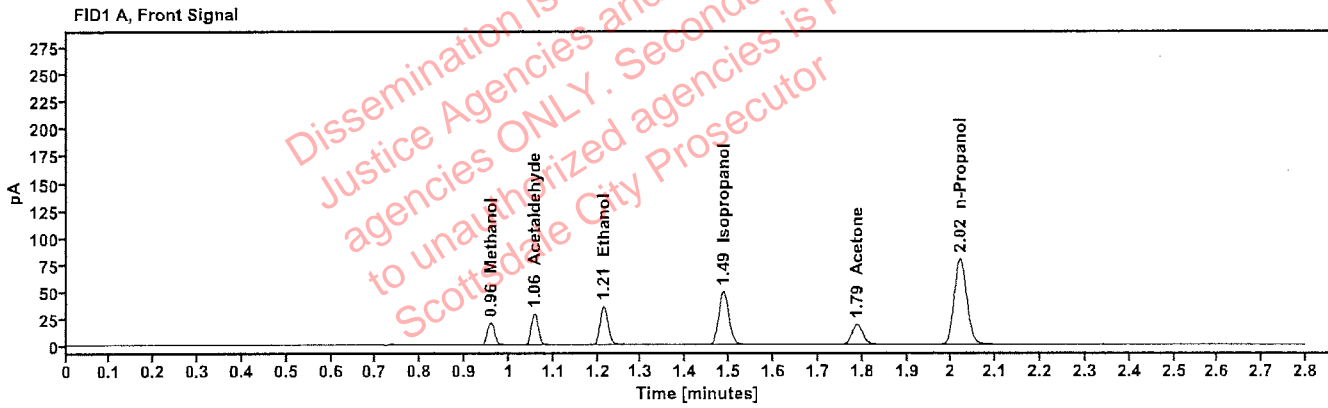


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.960	23.815
Acetaldehyde	-----	1.057	31.091
>Ethanol	0.0701	1.214	45.412
Isopropanol	-----	1.487	78.632
Acetone	-----	1.788	32.539
n-Propanol	-----	2.020	158.309

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	34.847
Methanol	1.067	26.470
Ethanol	1.361	50.021
Acetone	1.525	35.890
Isopropanol	1.620	87.260
n-Propanol	2.440	173.536



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 30012020-A	<b>Vial:</b> 7
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 31Oct23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/31/2023 4:32:49 PM
<b>Data file:</b> C:\Chem32\1\Data\31Oct23\7.D	<b>Analyst:</b> Abbott

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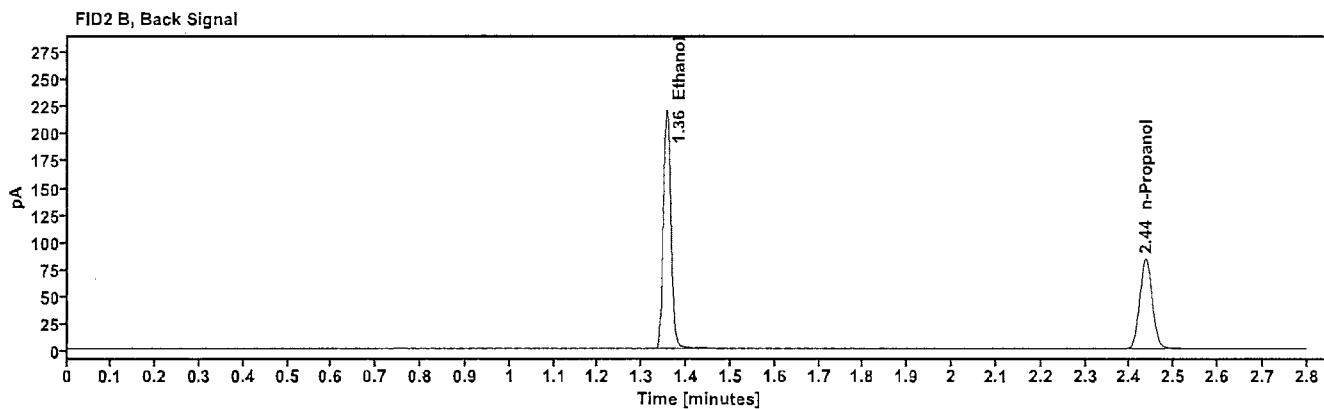
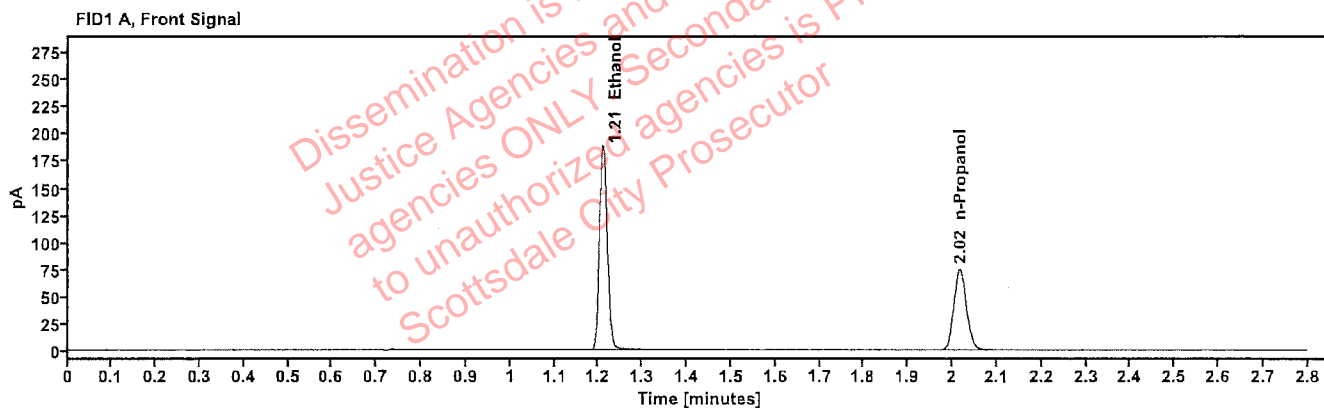


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3962	1.209	238.823
n-Propanol	-----	2.017	148.252

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

Compound	Time (min)	Peak Area
Ethanol	1.356	263.527
n-Propanol	2.436	162.473

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 31Oct23
Instrument: US14173023 CN14160045	Injection date: 10/31/2023 4:36:47 PM
Data file: C:\Chem32\1\Data\31Oct23\8.D	Analyst: Abbott

*OR*

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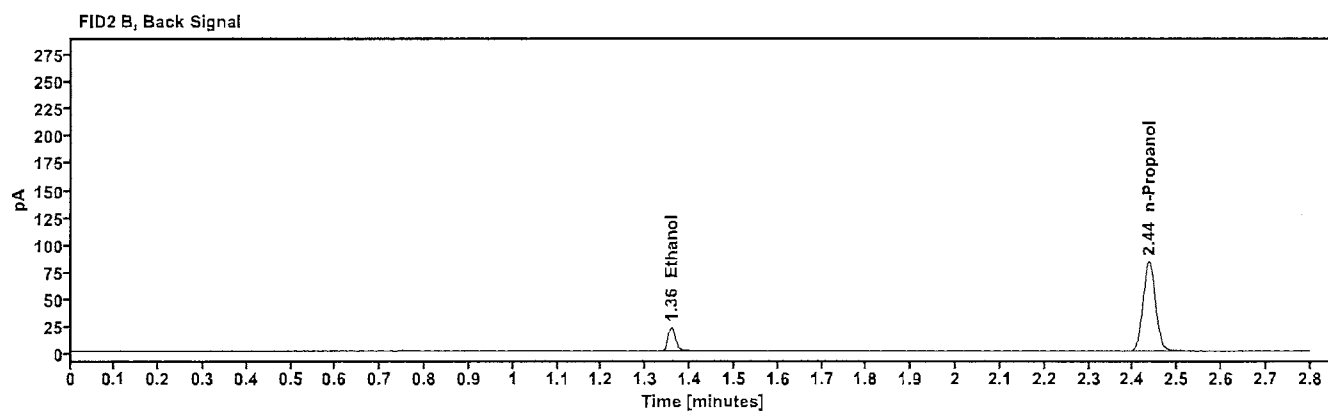
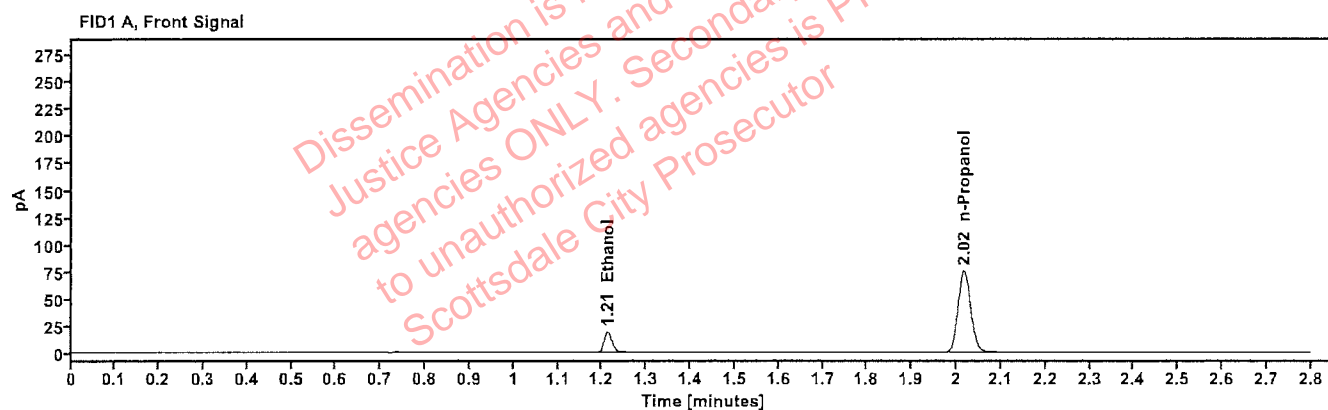


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0390	1.212	23.918
n-Propanol	-----	2.017	149.016

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.292
n-Propanol	2.436	163.443

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 31Oct23
Instrument: US14173023 CN14160045	Injection date: 10/31/2023 4:40:47 PM
Data file: C:\Chem32\1\Data\31Oct23\9.D	Analyst: Abbott

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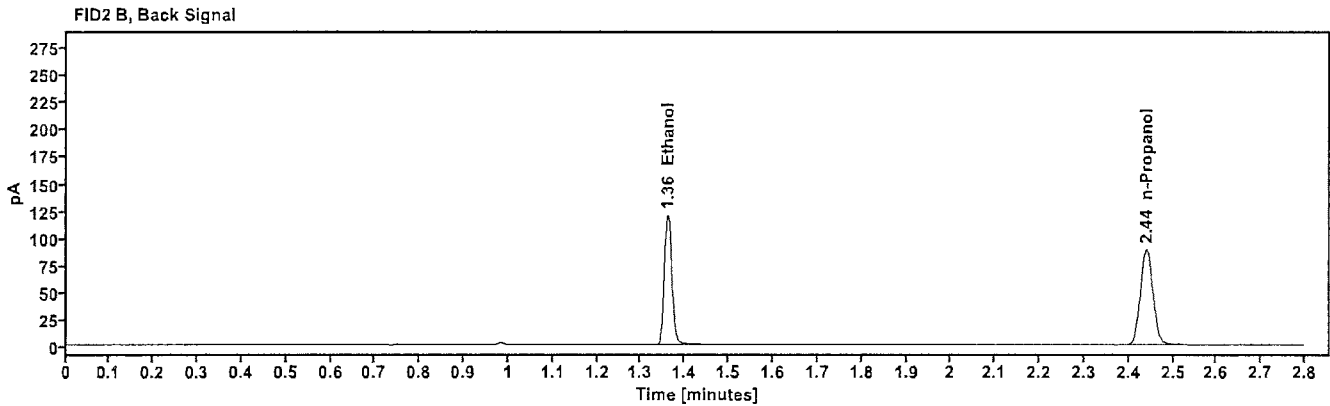
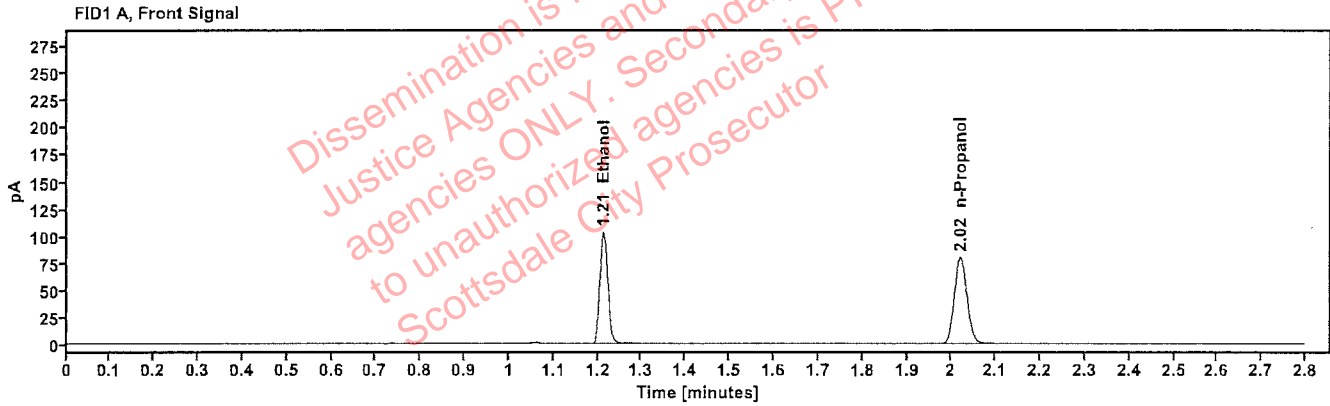


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2021	1.213	130.815
n-Propanol	-----	2.020	158.997

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

Compound	Time (min)	Peak Area
Ethanol	1.361	144.214
n-Propanol	2.440	174.399

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 31Oct23
Instrument: US14173023 CN14160045	Injection date: 10/31/2023 5:25:18 PM
Data file: C:\Chem32\1\Data\31Oct23\20.D	Analyst: Abbott

*Abbott*

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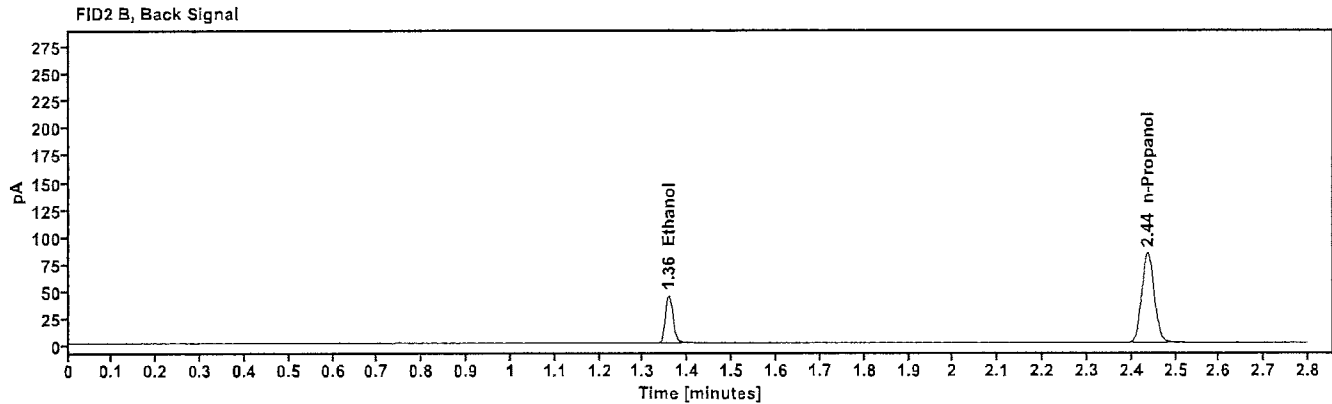
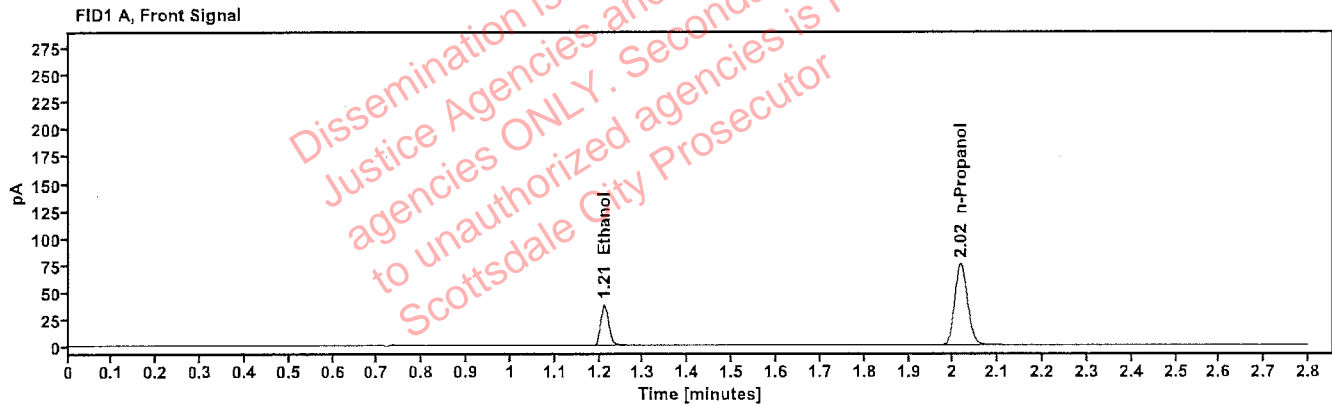


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0783	1.211	47.838
n-Propanol	----	2.017	149.513

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

Compound	Time (min)	Peak Area
Ethanol	1.357	52.650
n-Propanol	2.436	163.775

# 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> 31Oct23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/31/2023 6:09:48 PM
<b>Data file:</b> C:\Chem32\1\Data\31Oct23\31.D	<b>Analyst:</b> Abbott

*Abbott*

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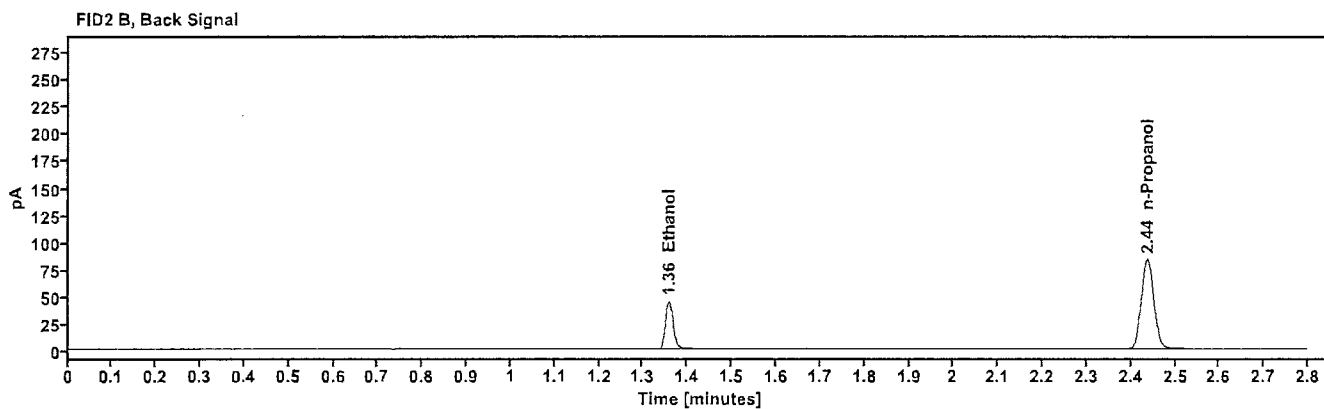
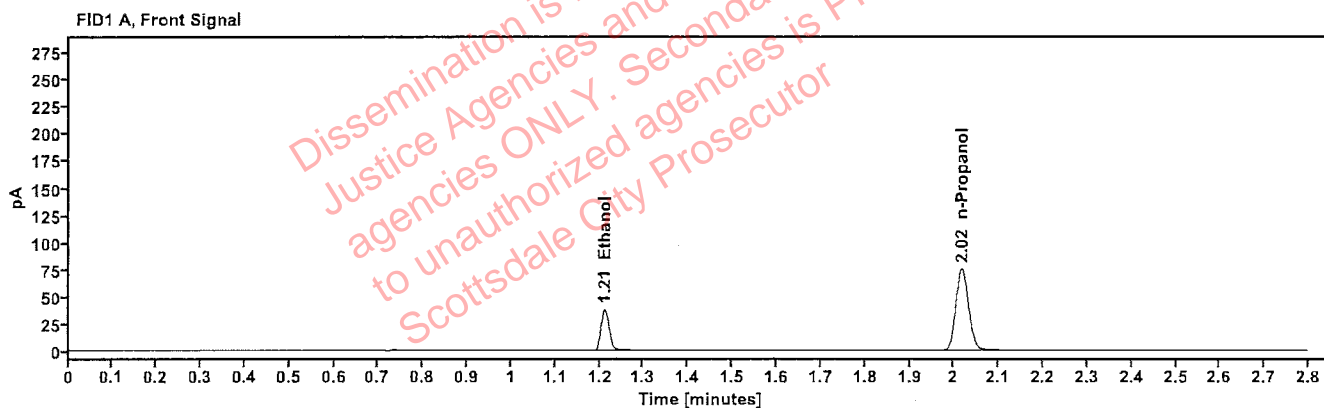


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0789	1.211	48.131
n-Propanol	-----	2.018	149.302

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

Compound	Time (min)	Peak Area
Ethanol	1.358	52.868
n-Propanol	2.437	163.560

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	30012020-A	<b>Vial:</b>	42
<b>Description:</b>	0.400	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	31Oct23
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	10/31/2023 6:54:03 PM
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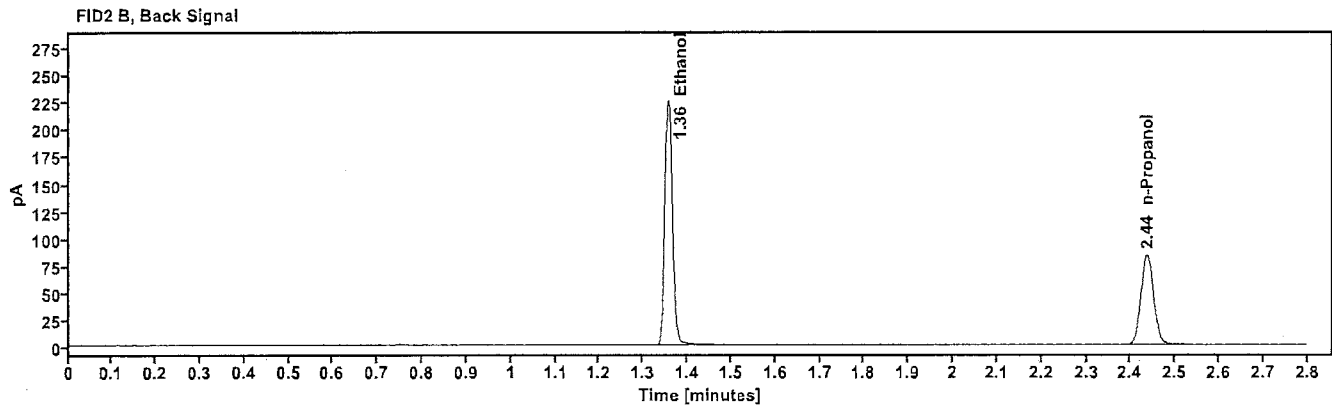
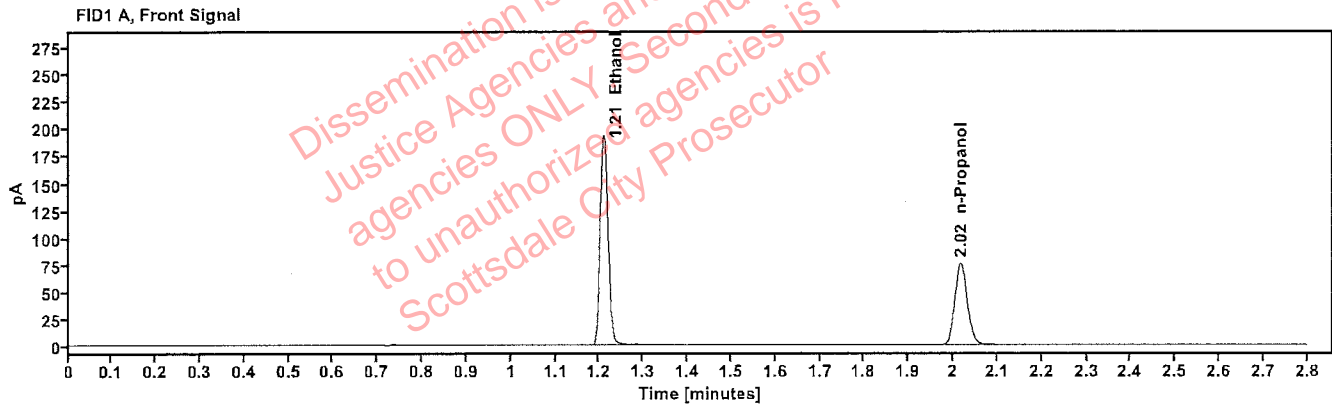


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3993	1.210	243.564
n-Propanol	-----	2.017	150.040

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

Compound	Time (min)	Peak Area
Ethanol	1.357	269.136
n-Propanol	2.437	164.392

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 31Oct23
Instrument: US14173023 CN14160045	Injection date: 10/31/2023 6:58:18 PM
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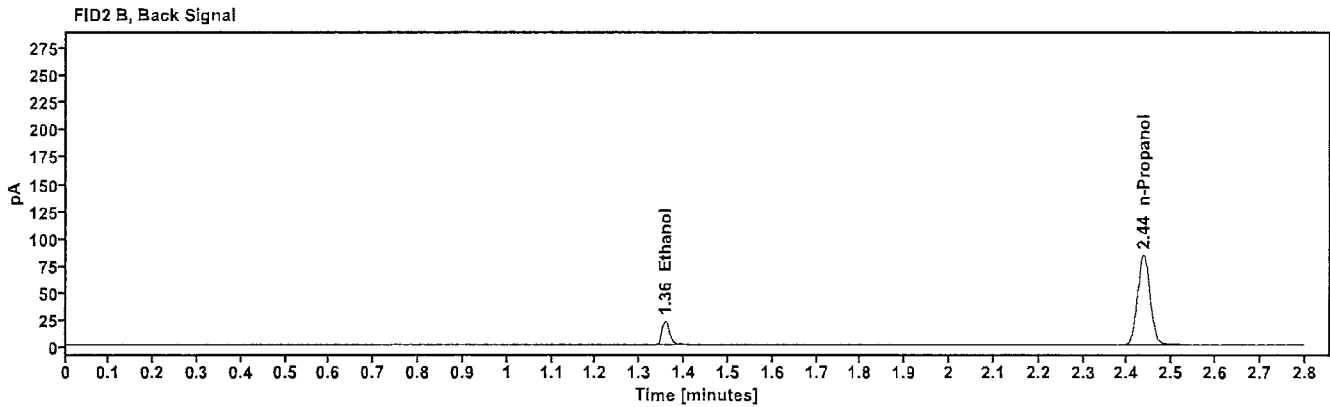
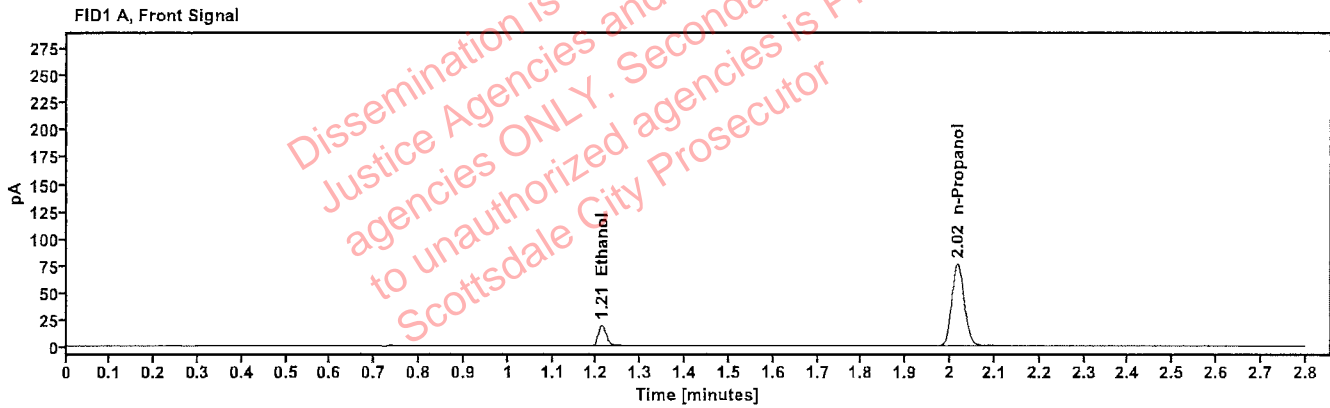


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0390	1.212	24.168
n-Propanol	-----	2.017	150.526

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

Compound	Time (min)	Peak Area
Ethanol	1.358	26.556
n-Propanol	2.436	164.830

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/11	<b>Vial:</b> 44
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 31Oct23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/31/2023 7:02:19 PM
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*JA*

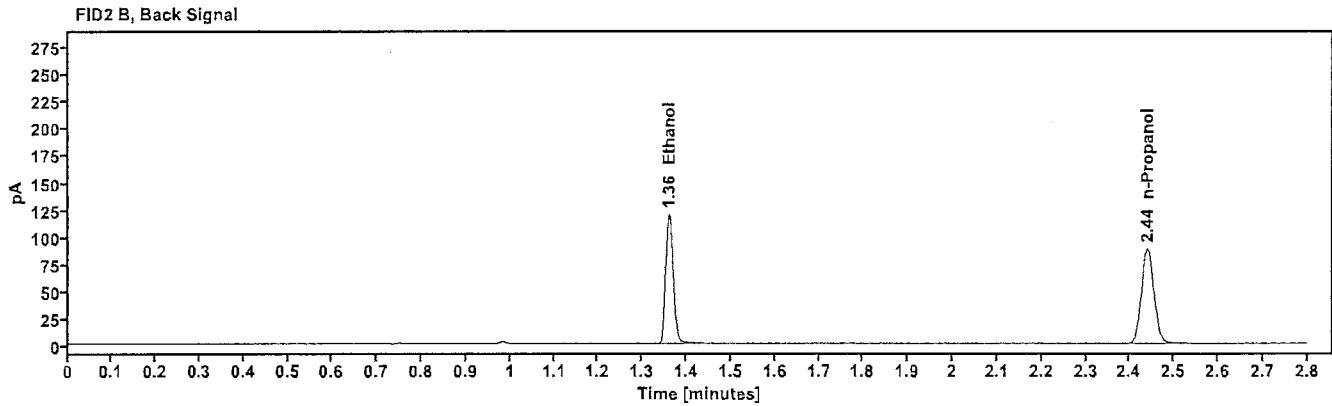
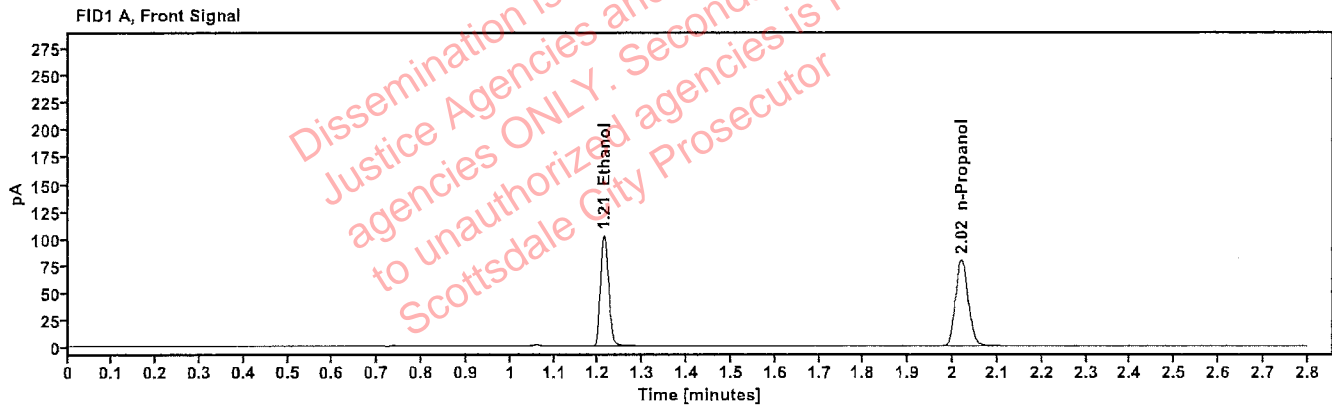


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2018	1.212	129.971
n-Propanol	-----	2.020	158.189

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

Compound	Time (min)	Peak Area
Ethanol	1.360	143.232
n-Propanol	2.440	173.320



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 092223AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 31Oct23
Instrument: US14173023 CN14160045	Injection date: 10/31/2023 7:06:19 PM
Data file: C:\Chem32\1\Data\31Oct23\45.D	Analyst: Abbott

*DA*

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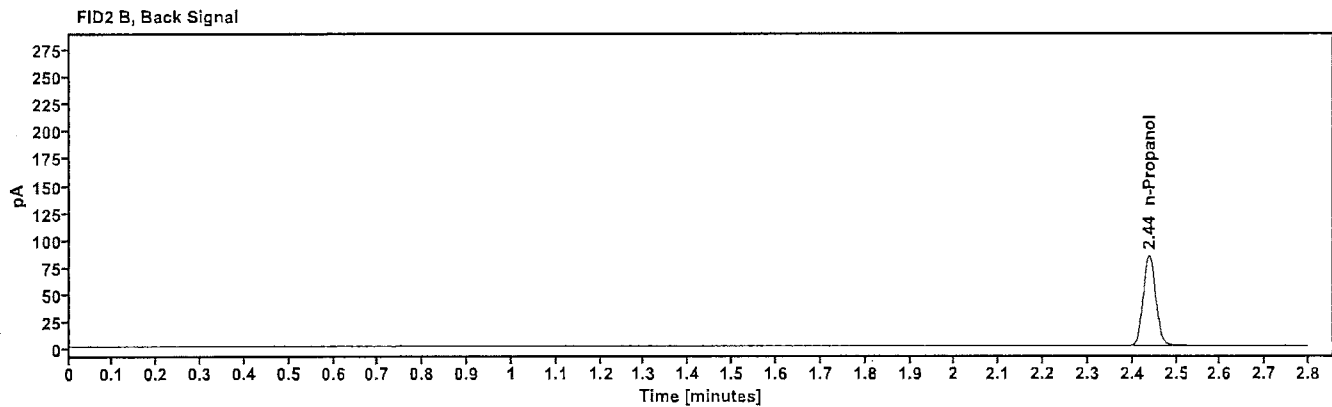
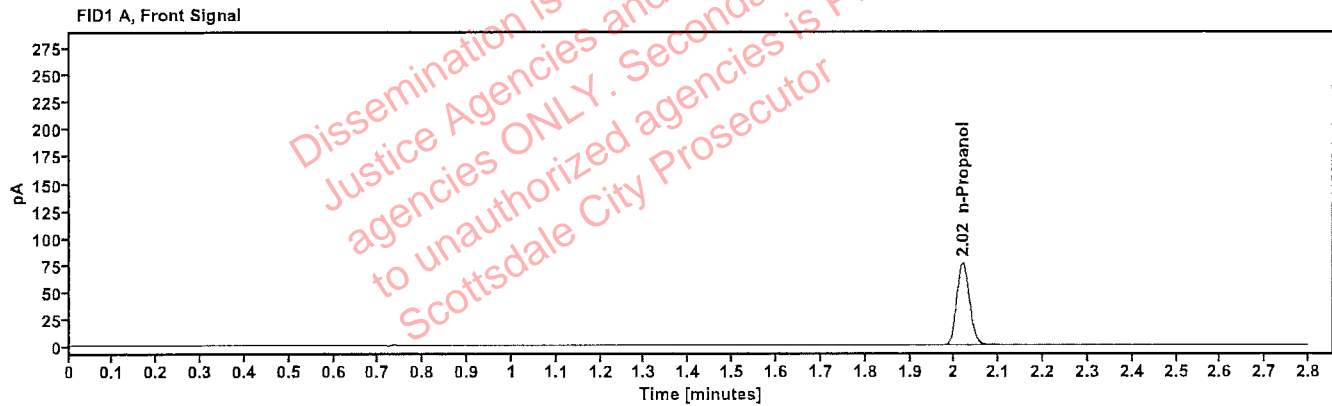


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.019	151.044

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

Compound	Time (min)	Peak Area
n-Propanol	2.438	165.366

# Sequence Summary

Sequence name: 31Oct23      Instrument: US14173023 CN14160045      Analyst: Abbott

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN11172002	0.100 calibrator	Calibration		ethanol quant.M
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	2300028-25		Sample		ethanol quant.M
11	2300028-25		Sample		ethanol quant.M
12	404-01J.J.		Sample		ethanol quant.M
13	404-01J.J.		Sample		ethanol quant.M
14	414-01B.P.		Sample		ethanol quant.M
15	414-01B.P.		Sample		ethanol quant.M
16	427-01B.L.		Sample		ethanol quant.M
17	427-01B.L.		Sample		ethanol quant.M
18	422-01Y.A.		Sample		ethanol quant.M
19	422-01Y.A.		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	421-01D.G.		Sample		ethanol quant.M
22	421-01D.G.		Sample		ethanol quant.M
23	410-01A.V.		Sample		ethanol quant.M
24	410-01A.V.		Sample		ethanol quant.M
25	409-01W.P.		Sample		ethanol quant.M
26	409-01W.P.		Sample		ethanol quant.M
27	421-01A.A.		Sample		ethanol quant.M
28	421-01A.A.		Sample		ethanol quant.M
29	2321560-1		Sample		ethanol quant.M
30	2321560-1		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2313786-2		Sample		ethanol quant.M
33	2313786-2		Sample		ethanol quant.M
34	2317671-2		Sample		ethanol quant.M
35	2317671-2		Sample		ethanol quant.M
36	2321745-2		Sample		ethanol quant.M
37	2321745-2		Sample		ethanol quant.M
38	2321859-1		Sample		ethanol quant.M
39	2321859-1		Sample		ethanol quant.M
40	2321905-2		Sample		ethanol quant.M
41	2321905-2		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/11	0.199	Control		ethanol quant.M
45	092223AQ	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 31Oct23

ANALYST: Abbott *al*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0537	0.0533	0.05350	0.37	0.00020
12 13	0.0689	0.0697	0.06930	0.58	0.00040
14 15	0.2356	0.2375	0.23655	0.40	0.00095
16 17	0.2071	0.2066	0.20685	0.12	0.00025
18 19	0.1561	0.1565	0.15630	0.13	0.00020
21 22	0.0477	0.0475	0.04760	0.21	0.00010
23 24	0.1891	0.1885	0.18880	0.16	0.00030
25 26	0.1867	0.1865	0.18660	0.05	0.00010
27 28	0.2396	0.2422	0.24090	0.54	0.00130
29 30	0.1082	0.1073	0.10775	0.42	0.00045
32 33	0.1417	0.1426	0.14215	0.32	0.00045
34 35	0.2215	0.2223	0.22190	0.18	0.00040
36 37	0.2774	0.2769	0.27715	0.09	0.00025
38 39	0.1753	0.1748	0.17505	0.14	0.00025
40 41	0.2121	0.2146	0.21335	0.59	0.00125

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300028-25	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 4:44:48 PM
Data file:	C:\Chem32\1\Data\31Oct23\10.D	Analyst:	Abbott

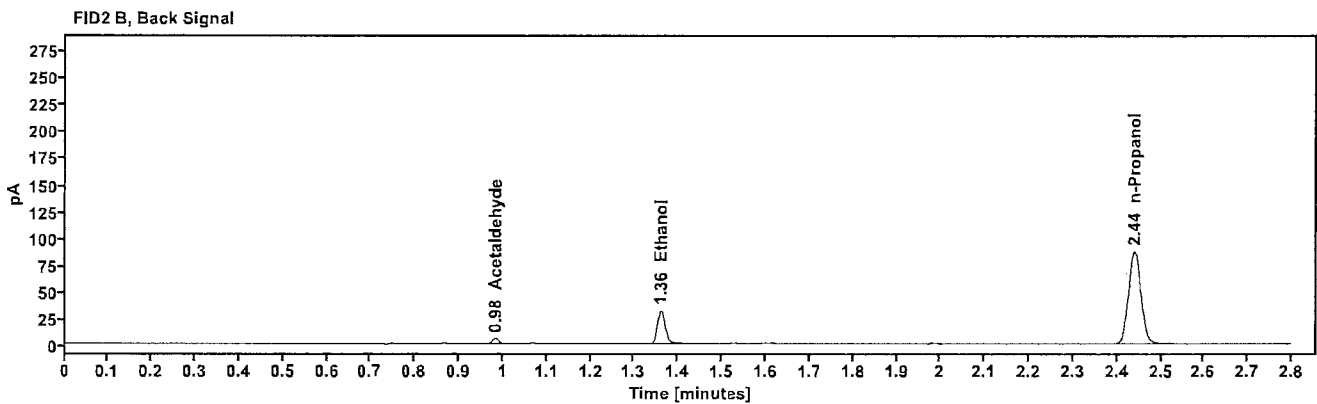
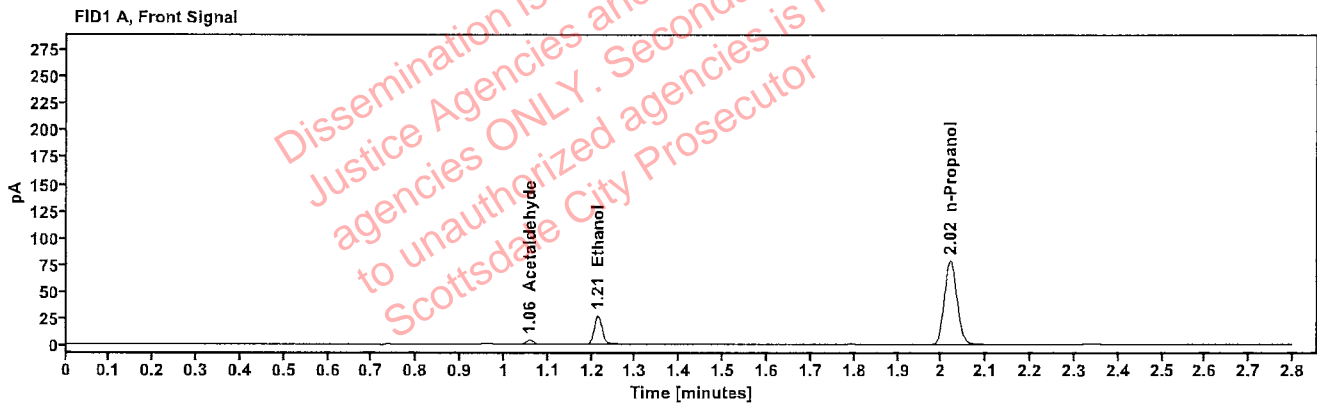


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.058	4.312
>Ethanol	0.0537	1.214	34.327
n-Propanol	-----	2.019	155.788

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	4.870
Ethanol	1.361	38.167
n-Propanol	2.440	171.178

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300028-25	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 4:48:48 PM
Data file:	C:\Chem32\1\Data\31Oct23\11.D	Analyst:	Abbott

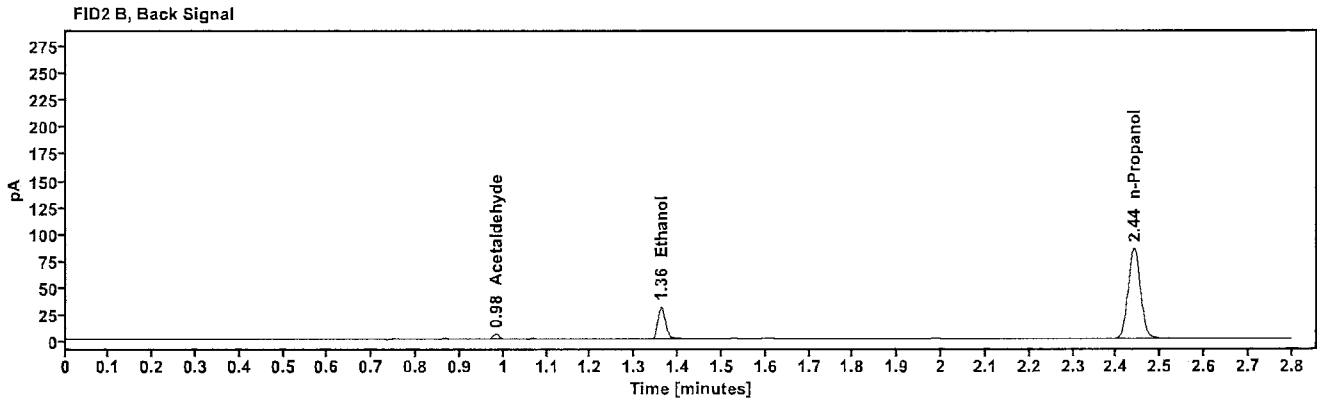
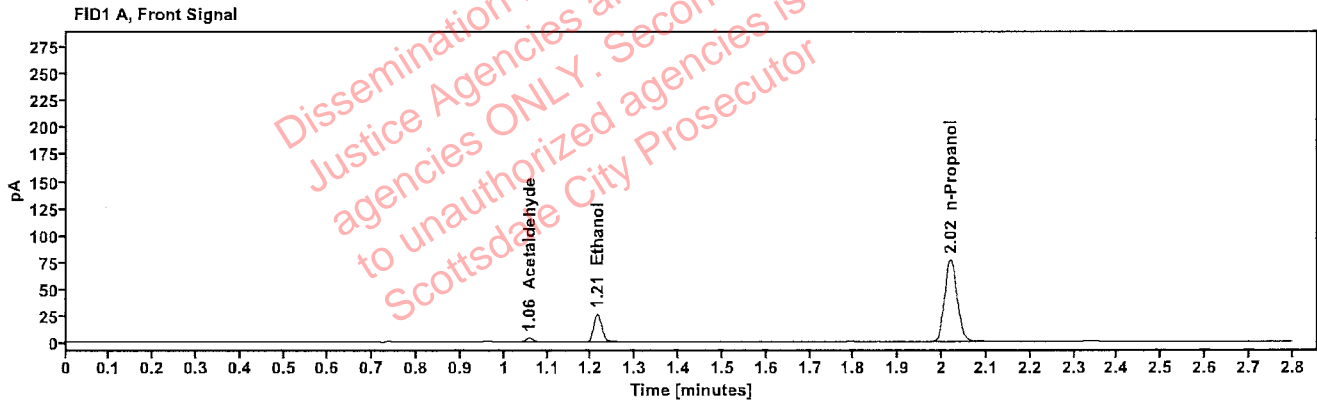


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.058	4.249
>Ethanol	0.0533	1.214	33.280
n-Propanol	-----	2.019	152.165

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	4.805
Ethanol	1.361	37.133
n-Propanol	2.440	167.388

[REDACTED]: Abbott, Lori - (01-Nov-2023)

Case: [REDACTED] User: LAbbott 11/1/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01J.J.	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 4:52:48 PM
Data file:	C:\Chem32\1\Data\31Oct23\12.D	Analyst:	Abbott

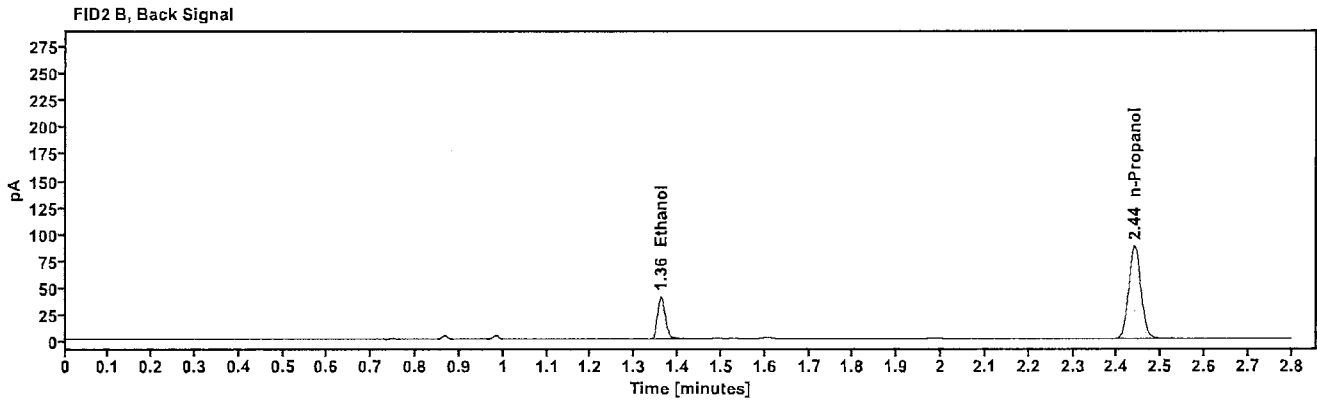
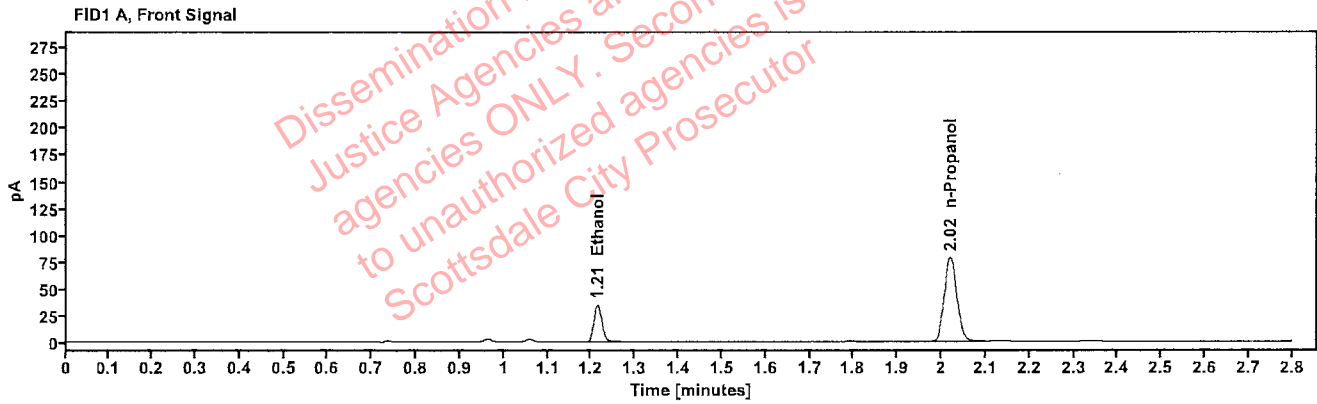


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0689	1.213	44.211
n-Propanol	---	2.019	156.912

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

Compound	Time (min)	Peak Area
Ethanol	1.361	48.777
n-Propanol	2.440	171.728

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01J.J.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 4:57:03 PM
Data file:	C:\Chem32\1\Data\31Oct23\13.D	Analyst:	Abbott

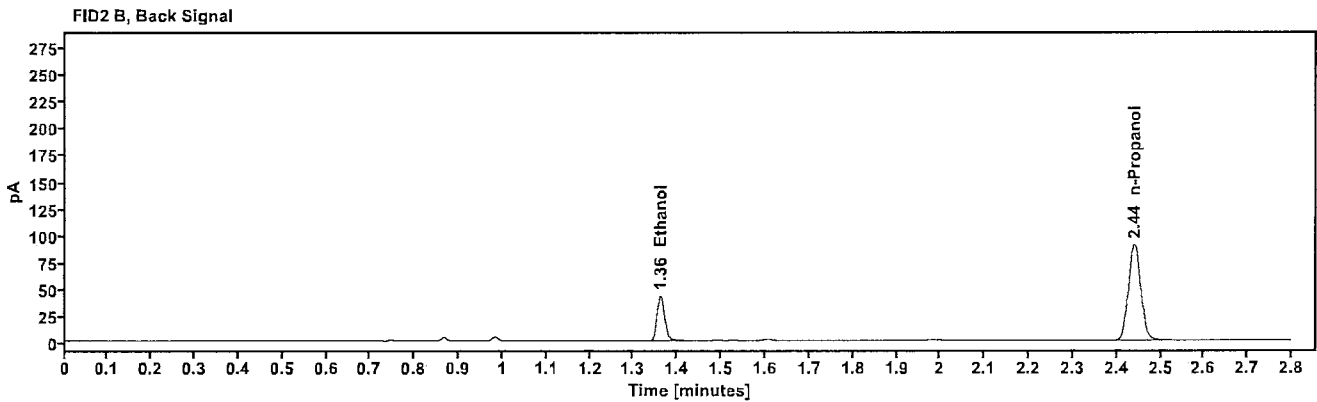
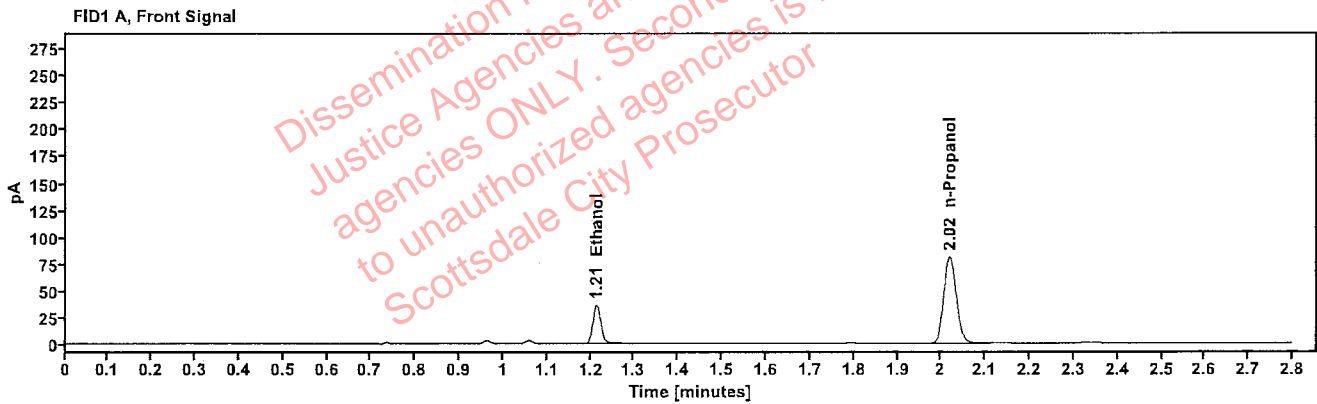


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0697	1.214	46.168
n-Propanol	-----	2.020	161.989

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

Compound	Time (min)	Peak Area
Ethanol	1.361	50.960
n-Propanol	2.440	177.216



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	414-01B.P.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:01:03 PM
Data file:	C:\Chem32\1\Data\31Oct23\14.D	Analyst:	Abbott

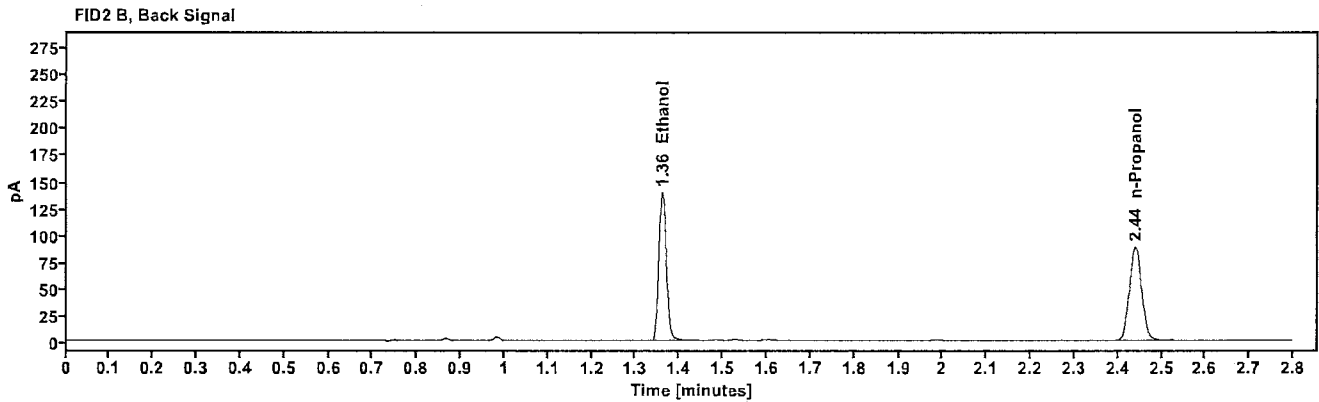
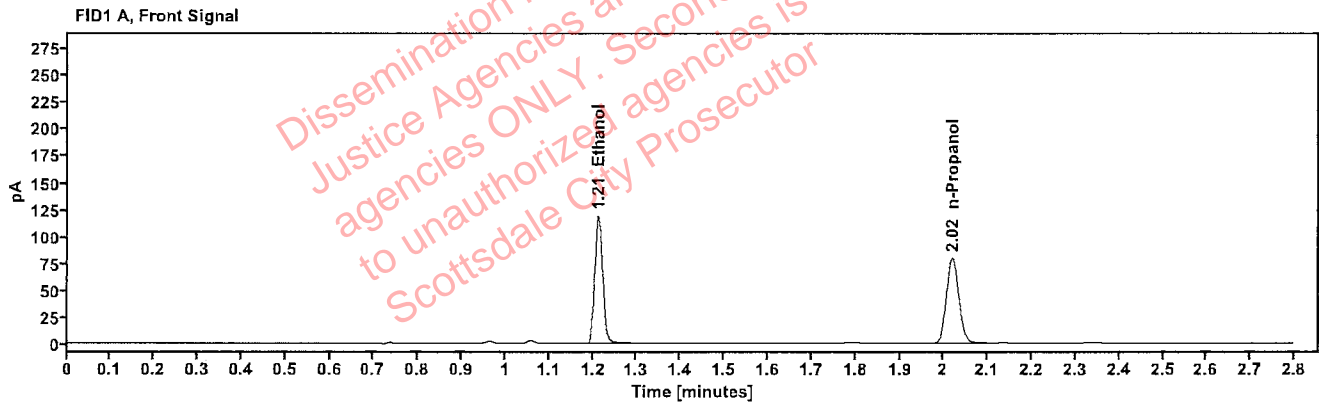


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2356	1.212	151.344
n-Propanol	---	2.019	157.815

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

Compound	Time (min)	Peak Area
Ethanol	1.360	166.727
n-Propanol	2.440	173.274

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	414-01B.P.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:05:04 PM
Data file:	C:\Chem32\1\Data\31Oct23\15.D	Analyst:	Abbott

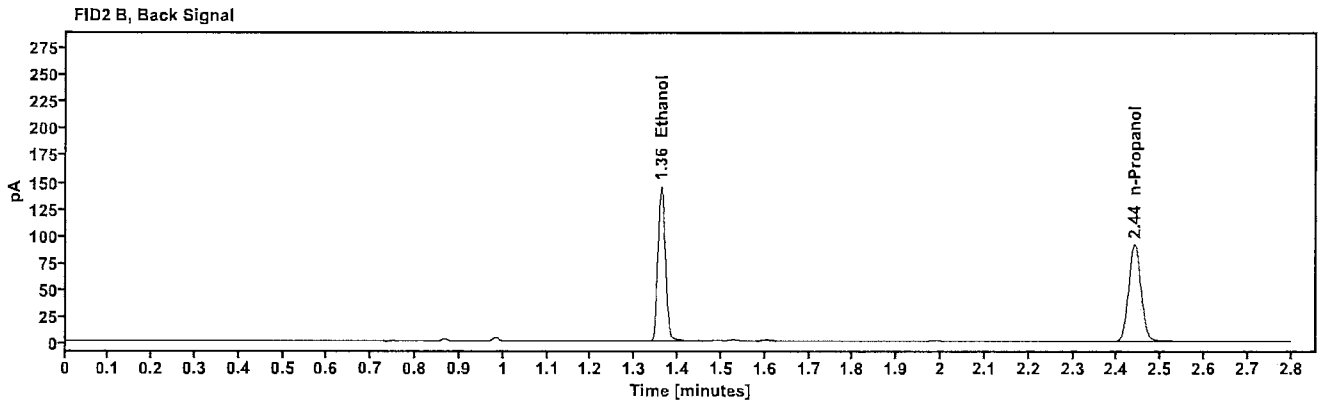
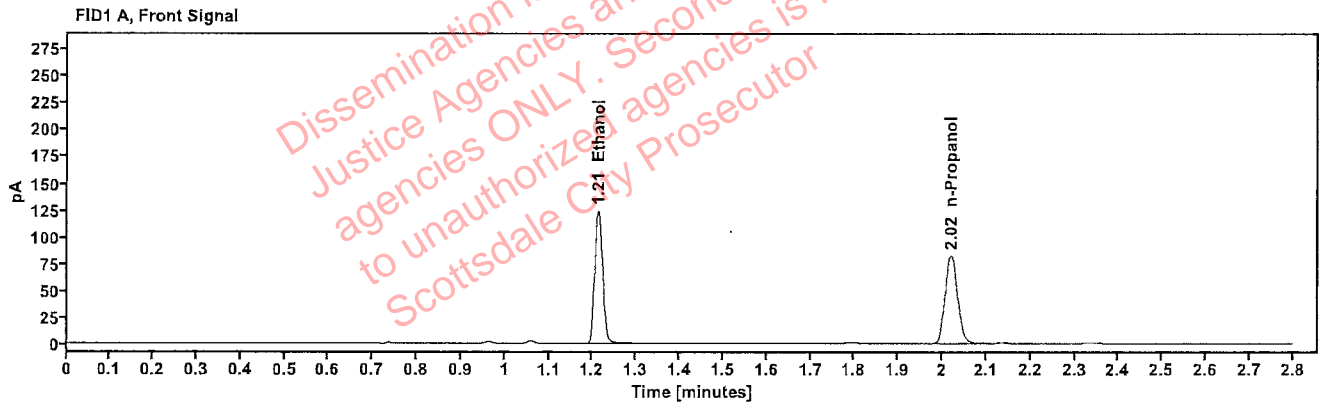


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2375	1.213	157.964
n-Propanol	---	2.020	163.428

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

Compound	Time (min)	Peak Area
Ethanol	1.361	174.138
n-Propanol	2.440	179.534

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	427-01B.L.	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:09:04 PM
Data file:	C:\Chem32\1\Data\31Oct23\16.D	Analyst:	Abbott

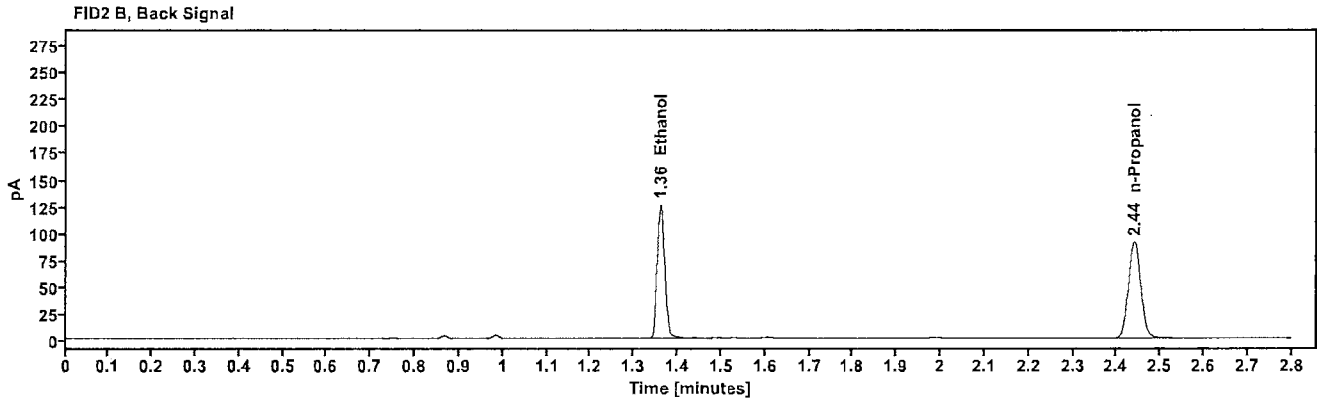
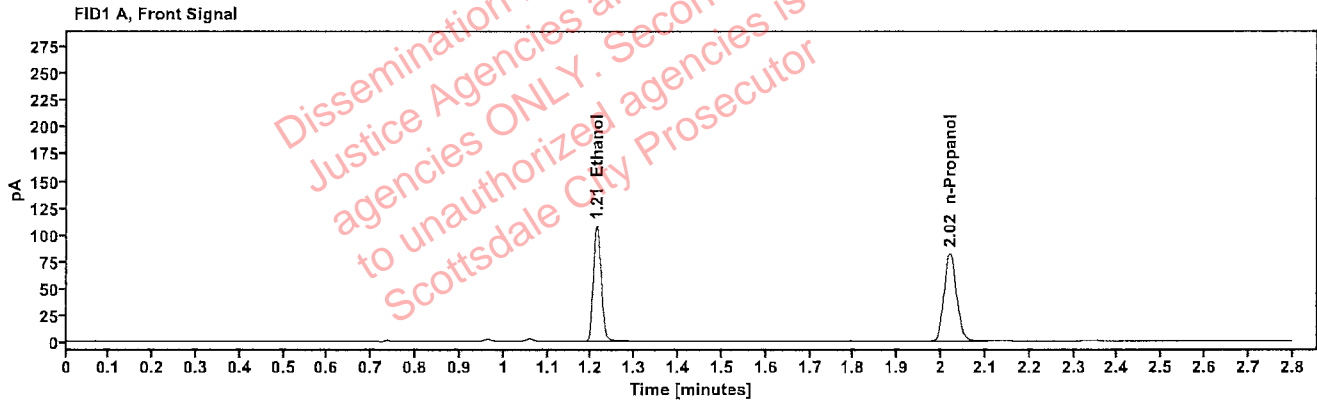


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2071	1.213	137.308
n-Propanol	-----	2.020	162.852

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

Compound	Time (min)	Peak Area
Ethanol	1.361	151.461
n-Propanol	2.440	178.728

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	427-01B.L.	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:13:03 PM
Data file:	C:\Chem32\1\Data\31Oct23\17.D	Analyst:	Abbott

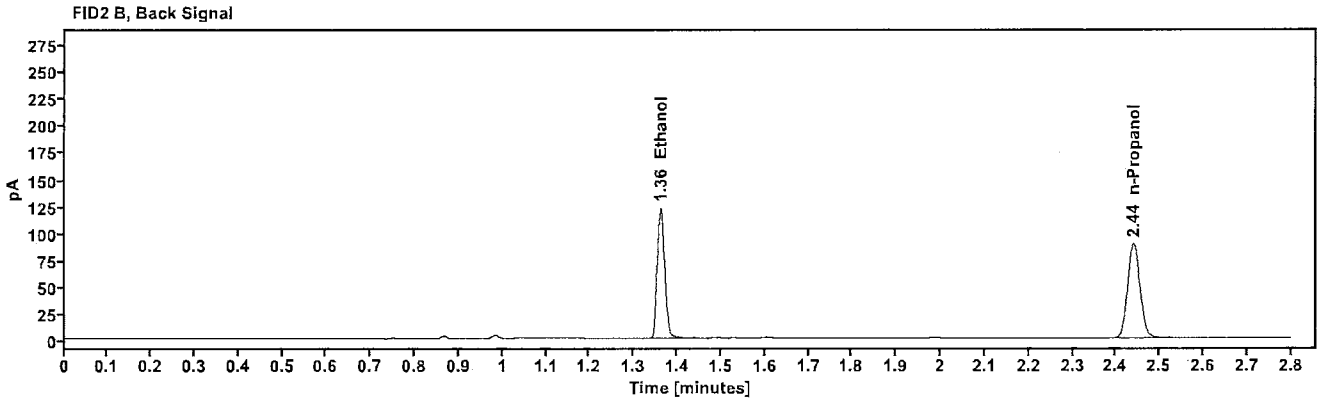
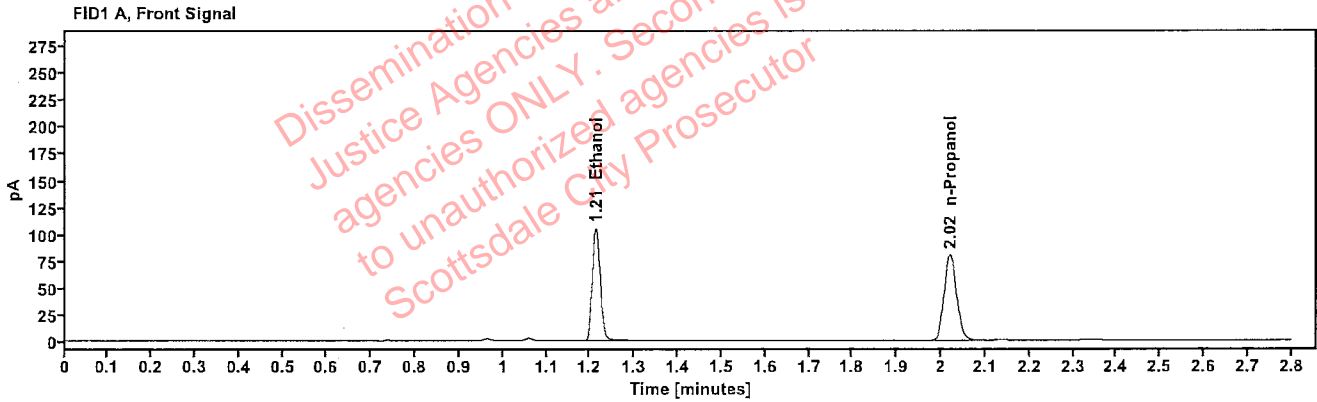


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2066	1.213	133.709
n-Propanol	—	2.020	158.999

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

Compound	Time (min)	Peak Area
Ethanol	1.361	147.443
n-Propanol	2.440	174.596

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01Y.A.	Vial:	18
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:17:03 PM
Data file:	C:\Chem32\1\Data\31Oct23\18.D	Analyst:	Abbott

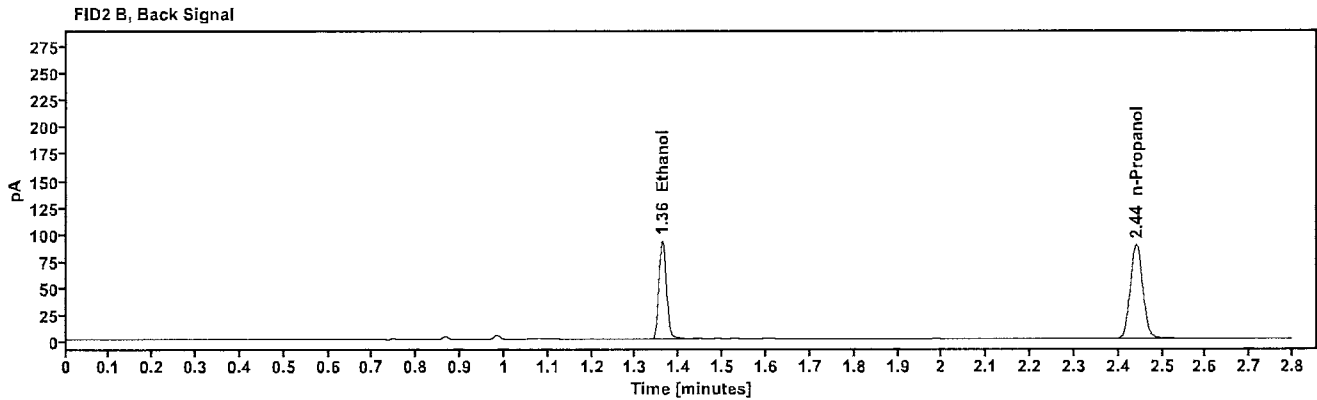
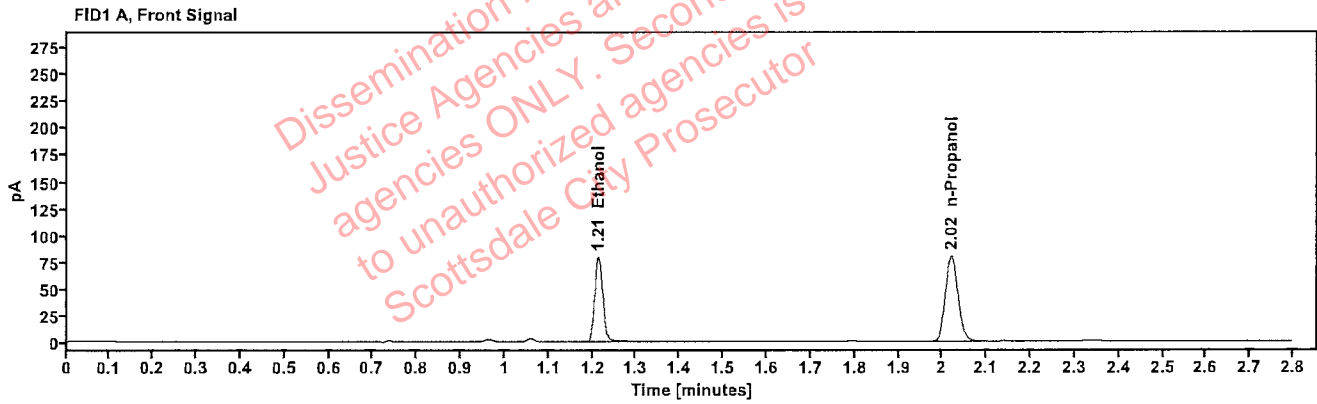


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1561	1.213	100.897
n-Propanol	-----	2.020	158.626

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

Compound	Time (min)	Peak Area
Ethanol	1.361	111.129
n-Propanol	2.441	174.317

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01Y.A.	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:21:18 PM
Data file:	C:\Chem32\1\Data\31Oct23\19.D	Analyst:	Abbott

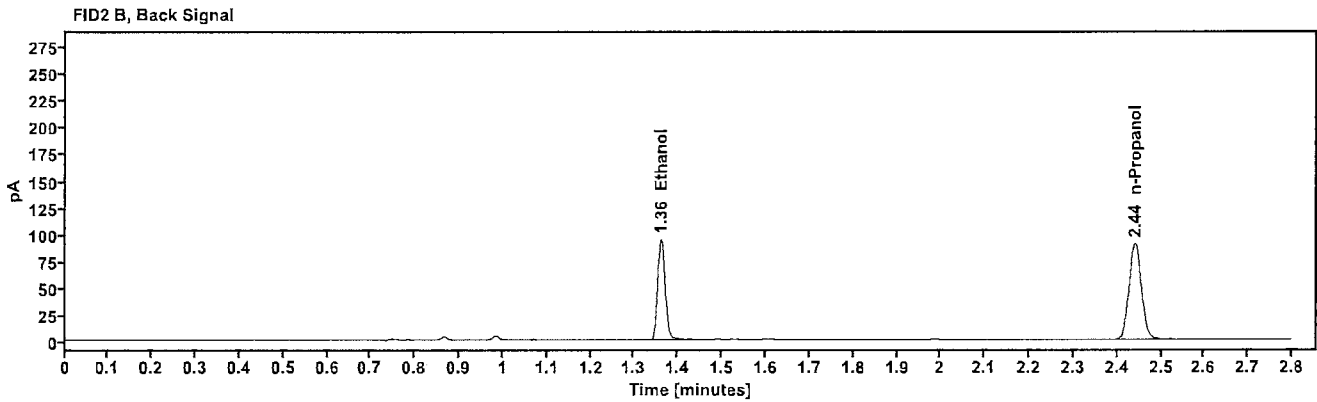
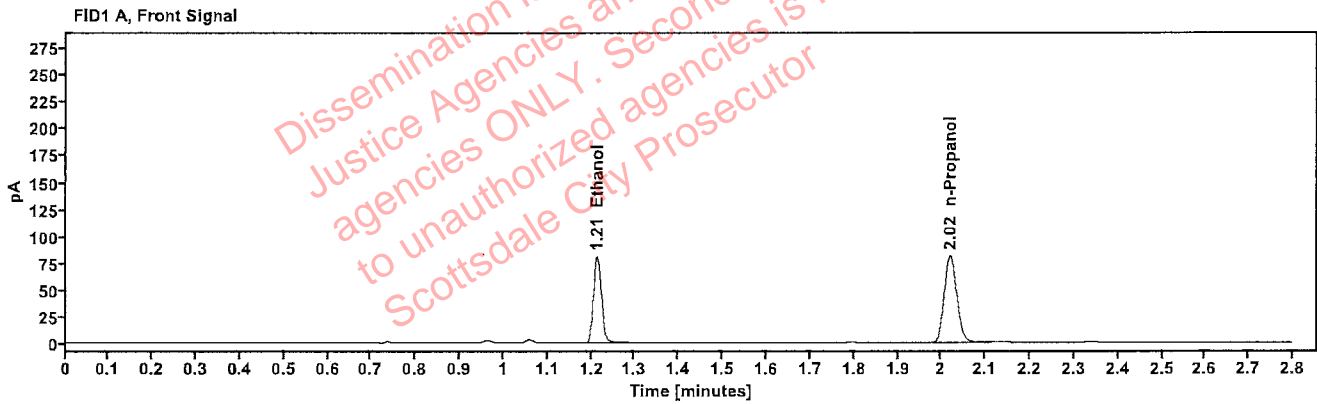


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1565	1.213	103.033
n-Propanol	-----	2.020	161.561

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

Compound	Time (min)	Peak Area
Ethanol	1.361	113.111
n-Propanol	2.440	177.416

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01D.G.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:29:19 PM
Data file:	C:\Chem3211\Data\31Oct23\21.D	Analyst:	Abbott

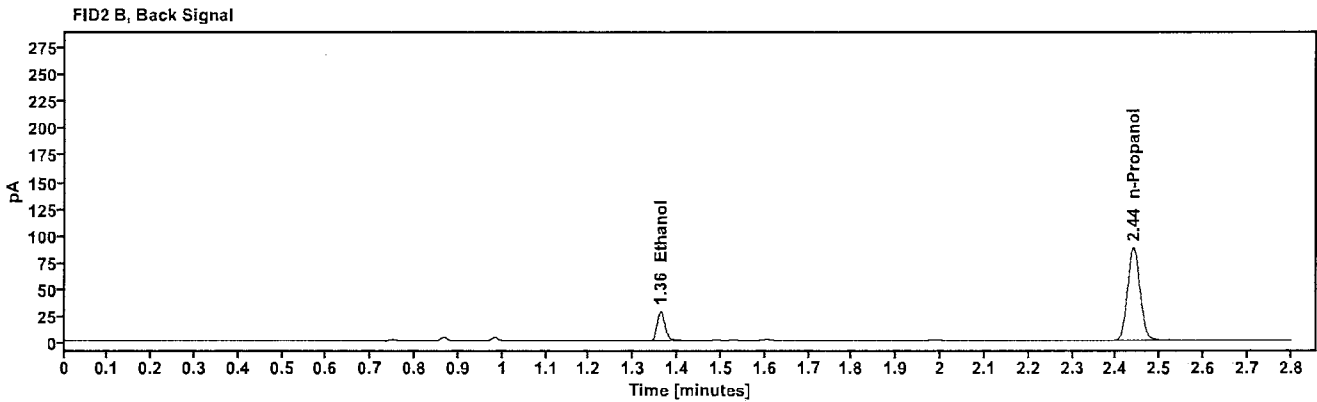
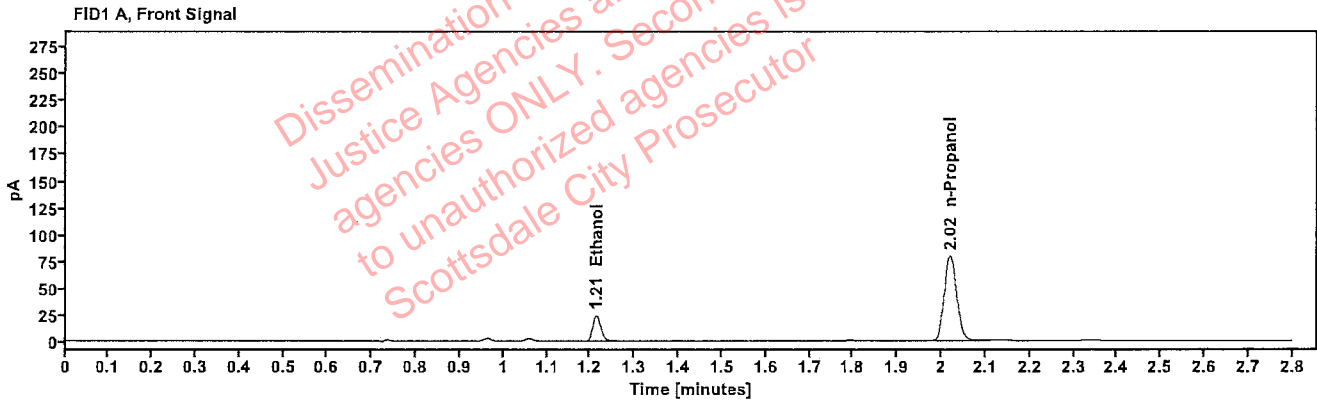


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0477	1.214	30.826
n-Propanol	-----	2.019	157.345

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

Compound	Time (min)	Peak Area
Ethanol	1.361	34.371
n-Propanol	2.440	172.809

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01D.G.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:33:19 PM
Data file:	C:\Chem32\1\Data\31Oct23\22.D	Analyst:	Abbott

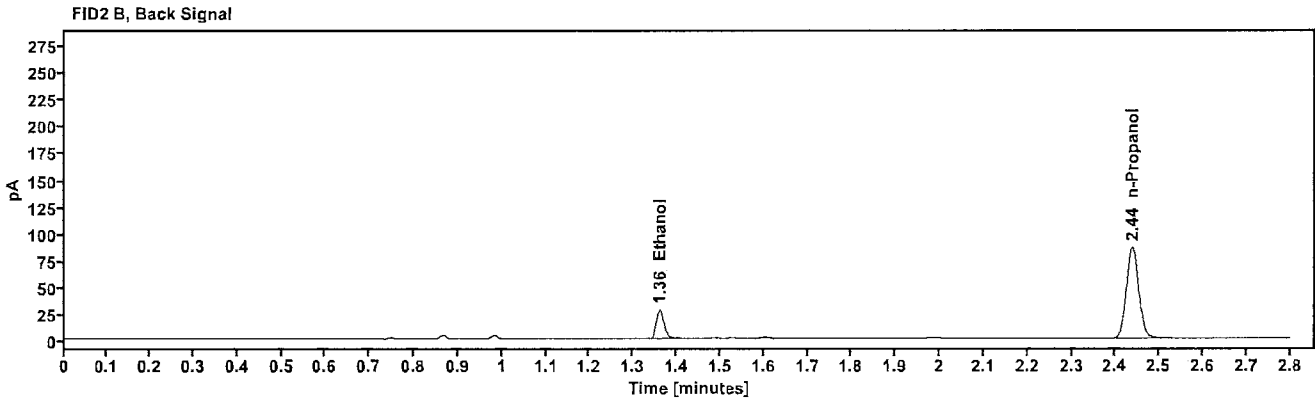
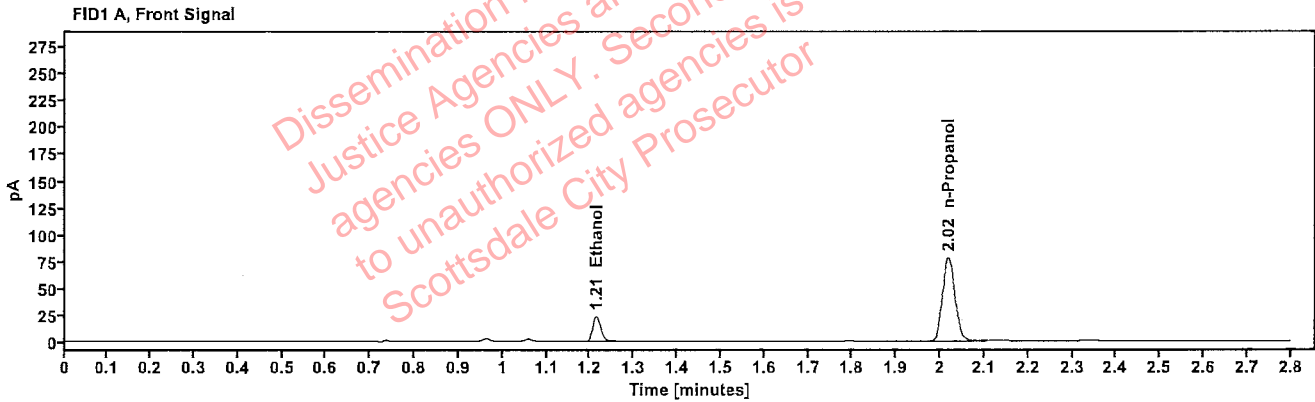


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0475	1.214	30.202
n-Propanol	-----	2.018	154.855

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

Compound	Time (min)	Peak Area
Ethanol	1.361	33.695
n-Propanol	2.438	169.315



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	410-01A.V.	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:37:19 PM
Data file:	C:\Chem32\1\Data\31Oct23\23.D	Analyst:	Abbott

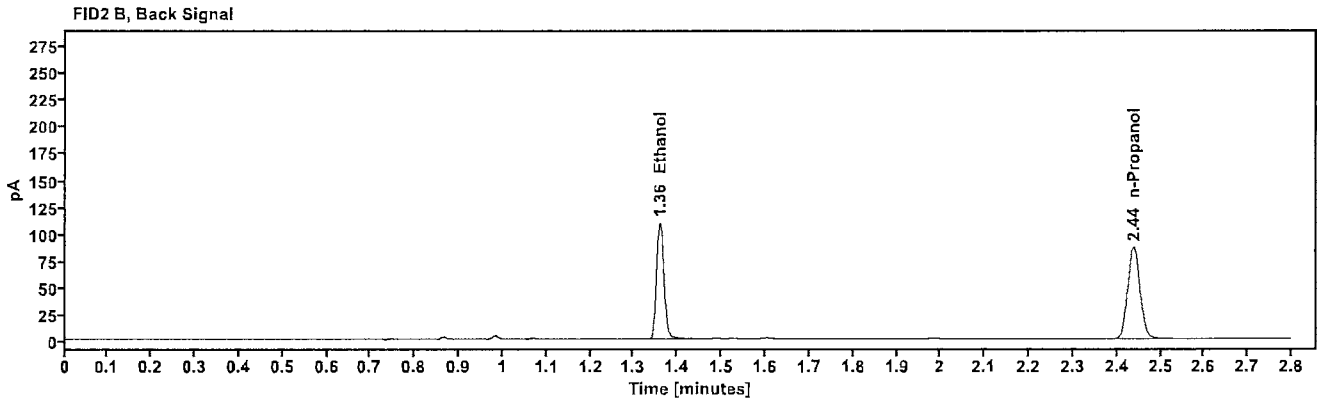
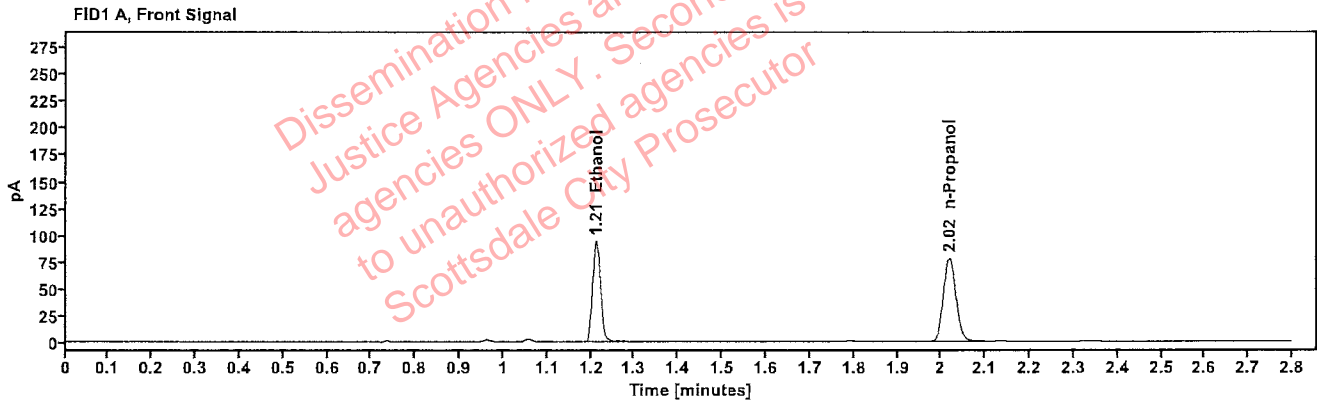


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1891	1.212	119.210
n-Propanol	-----	2.018	154.827

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

Compound	Time (min)	Peak Area
Ethanol	1.360	131.076
n-Propanol	2.439	169.871

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	410-01A.V.	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:41:18 PM
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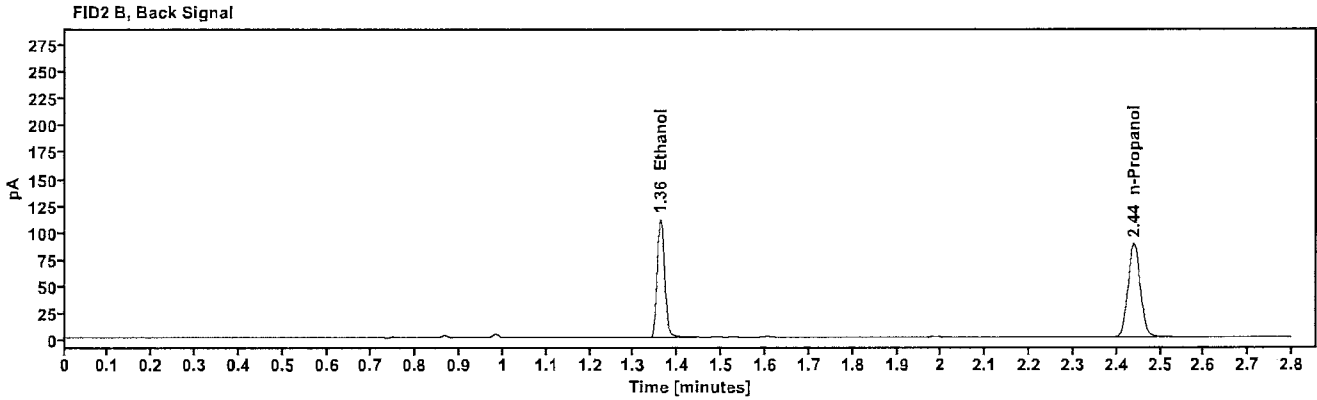
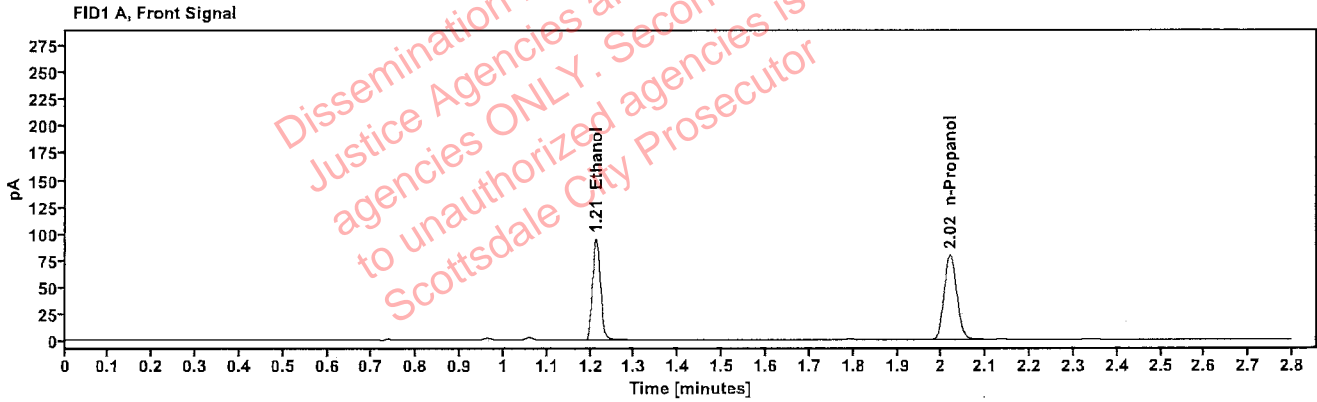


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1885	1.212	120.761
n-Propanol	-----	2.019	157.357

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

Compound	Time (min)	Peak Area
Ethanol	1.360	133.012
n-Propanol	2.439	172.841

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01W.P.	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:45:33 PM
Data file:	C:\Chem32\1\Data\31Oct23\25.D	Analyst:	Abbott

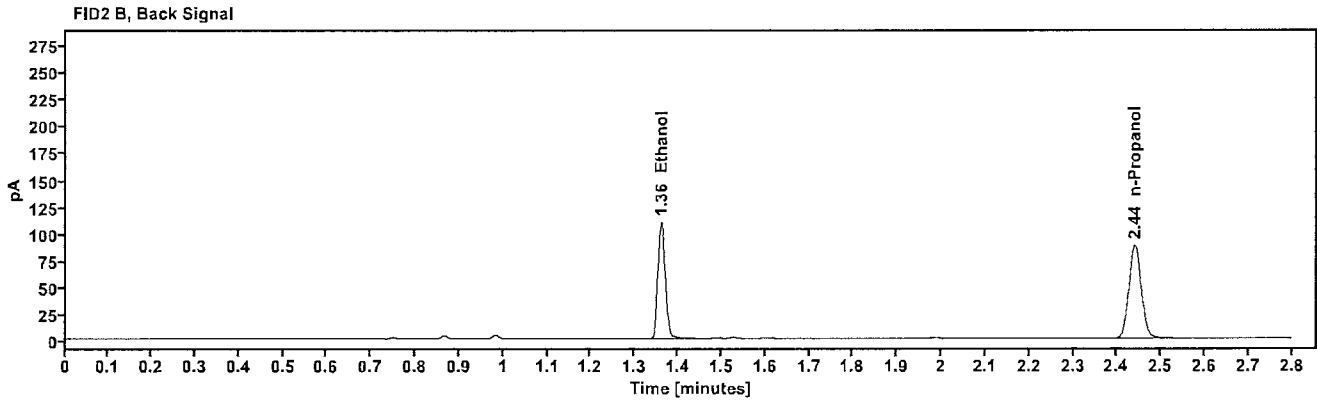
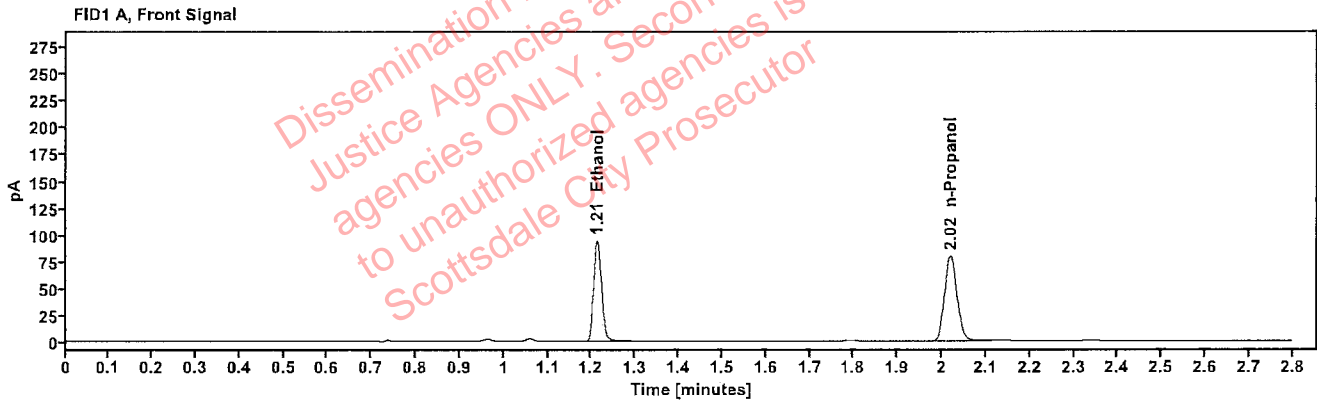


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1867	1.213	119.820
n-Propanol	-----	2.020	157.641

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

Compound	Time (min)	Peak Area
Ethanol	1.361	131.838
n-Propanol	2.440	172.873

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01W.P.	Vial:	26
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:49:33 PM
Data file:	C:\Chem32\1\Data\31Oct23\26.D	Analyst:	Abbott

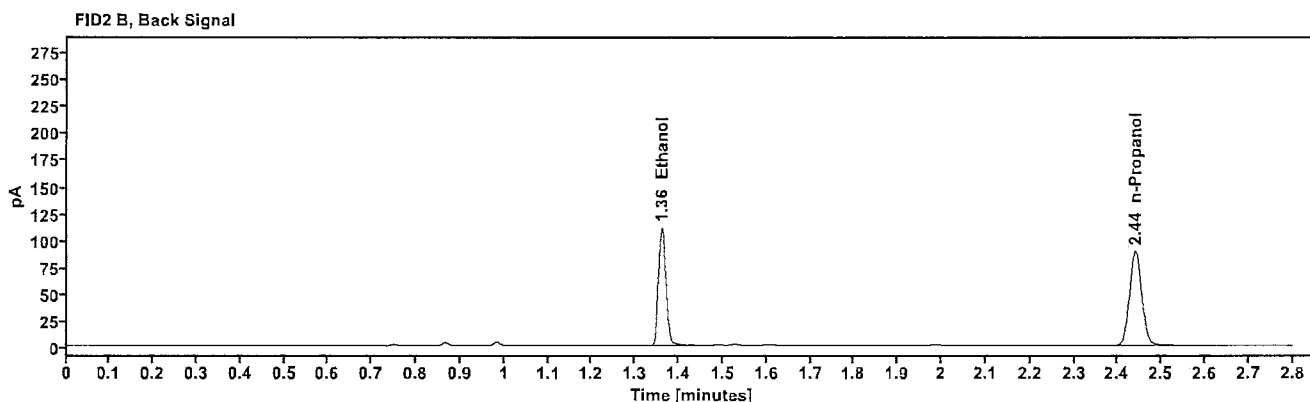
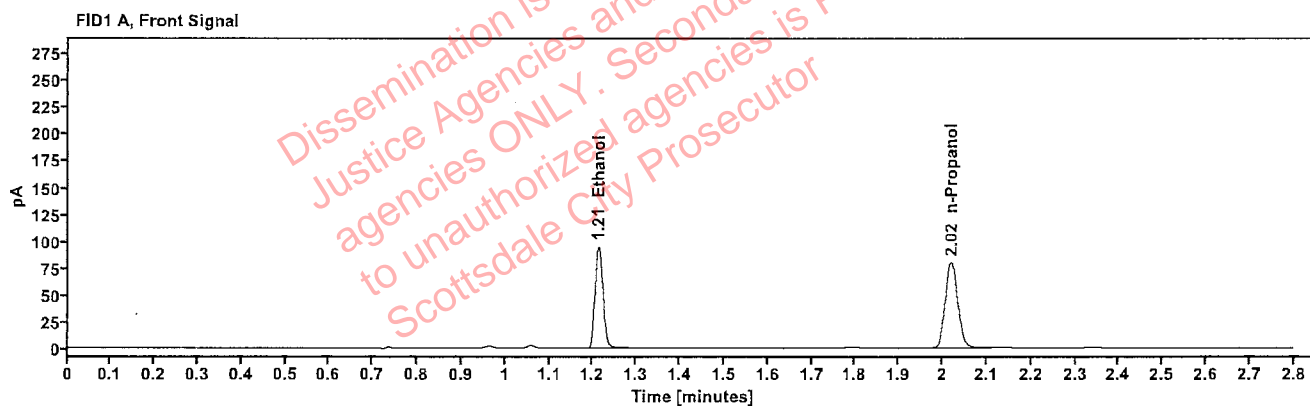


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1865	1.213	120.777
n-Propanol	---	2.020	159.051

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

Compound	Time (min)	Peak Area
Ethanol	1.361	133.090
n-Propanol	2.440	174.484

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01A.A.	Vial:	27
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 5:53:33 PM
Data file:	C:\Chem32\1\Data\31Oct23\27.D	Analyst:	Abbott

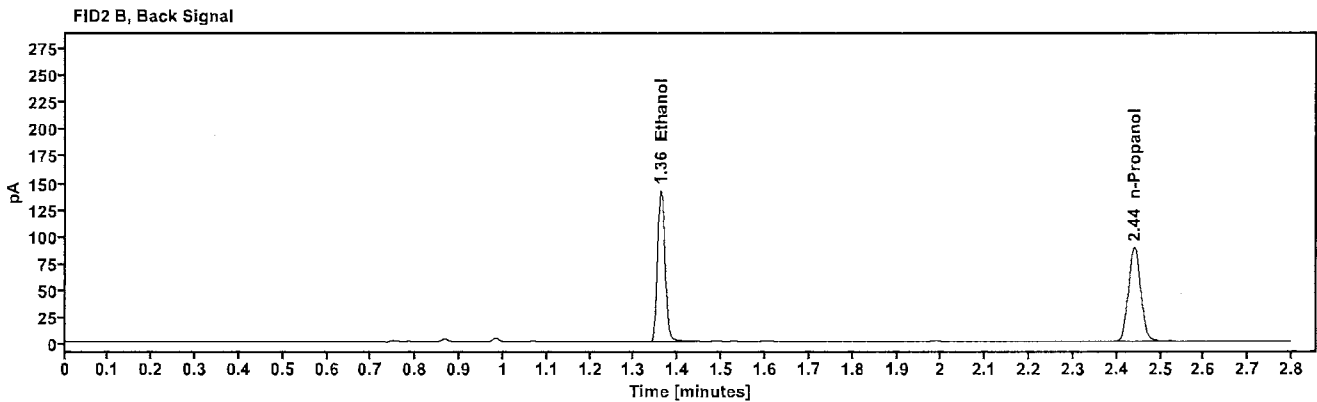
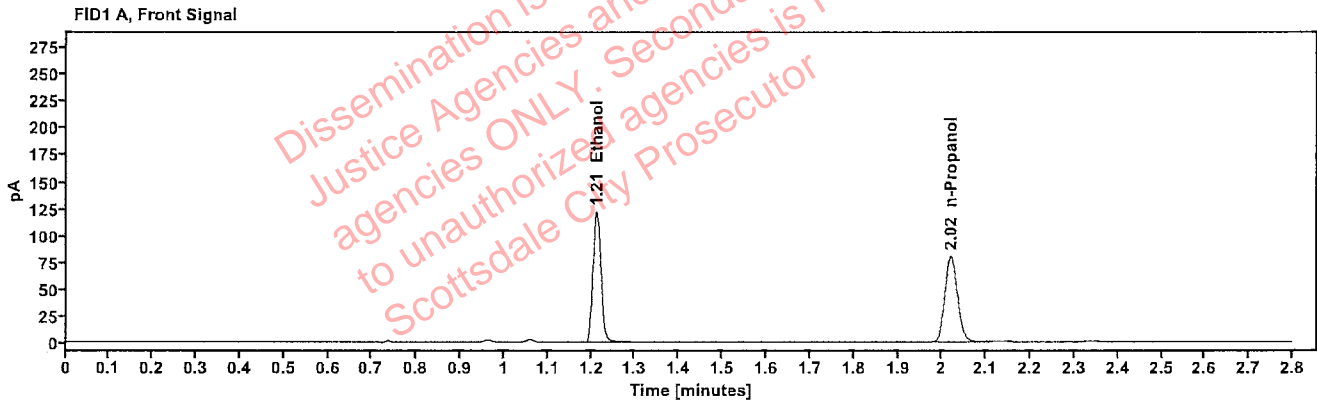


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2396	1.212	154.950
n-Propanol	-----	2.020	158.895

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

Compound	Time (min)	Peak Area
Ethanol	1.361	170.716
n-Propanol	2.440	174.451

### Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	421-01A.A.	<b>Vial:</b>	28
<b>Description:</b>	[REDACTED]	<b>LIMS ID:</b>	[REDACTED]
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	31Oct23
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	10/31/2023 5:57:33 PM
<b>Data file:</b>	C:\Chem32\1\Data\31Oct23\28.D	<b>Analyst:</b>	Abbott

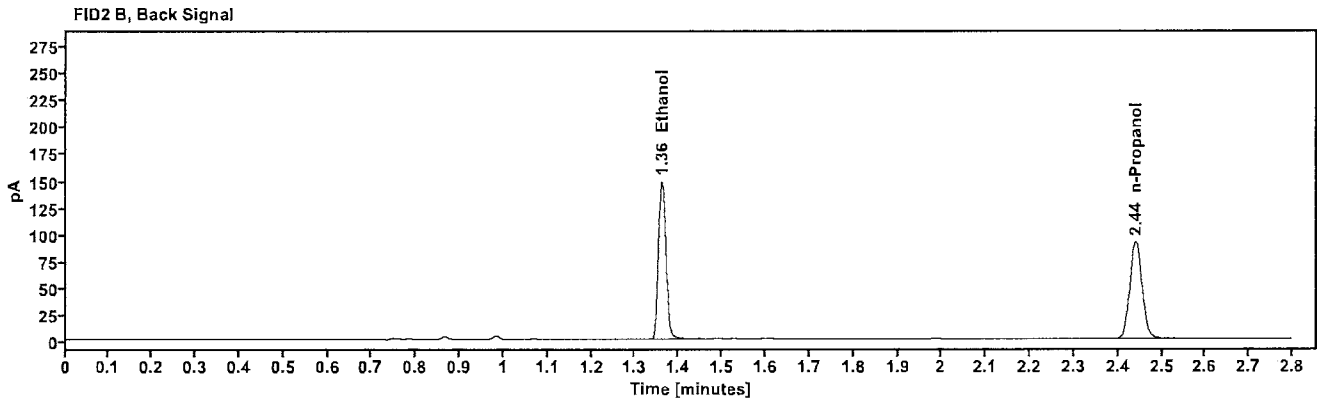
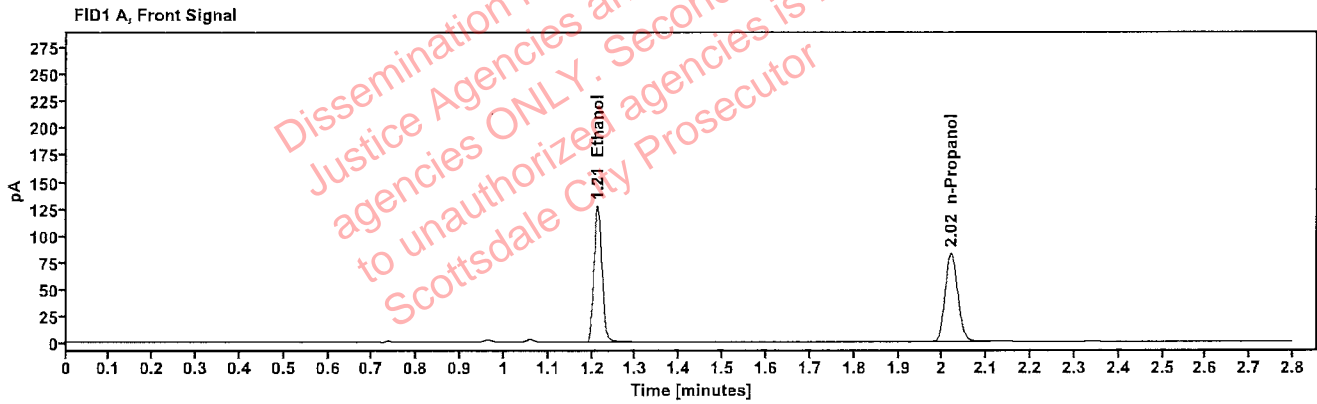


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2422	1.213	161.771
n-Propanol	-----	2.020	164.109

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

Compound	Time (min)	Peak Area
Ethanol	1.361	178.427
n-Propanol	2.440	180.174

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321560-1	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:01:33 PM
Data file:	C:\Chem32\1\Data\31Oct23\29.D	Analyst:	Abbott

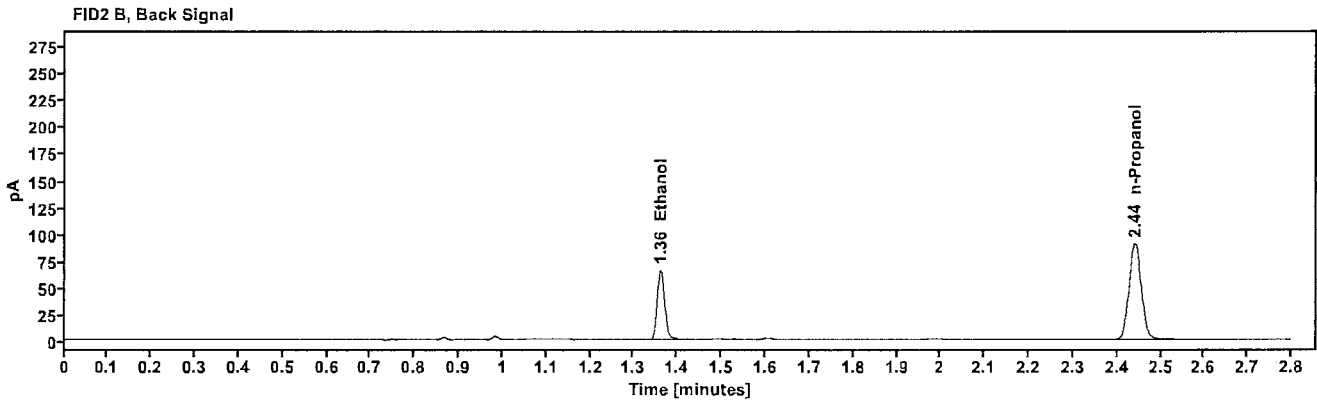
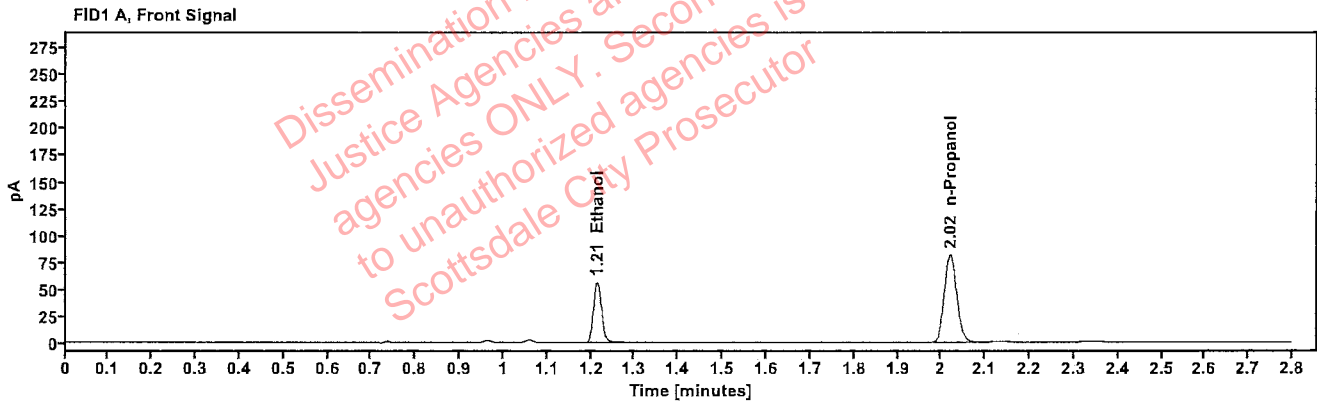


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1082	1.214	71.907
n-Propanol	---	2.020	162.905

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

Compound	Time (min)	Peak Area
Ethanol	1.361	79.289
n-Propanol	2.441	178.216

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321560-1	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:05:33 PM
Data file:	C:\Chem32\1\Data\31Oct23\30.D	Analyst:	Abbott

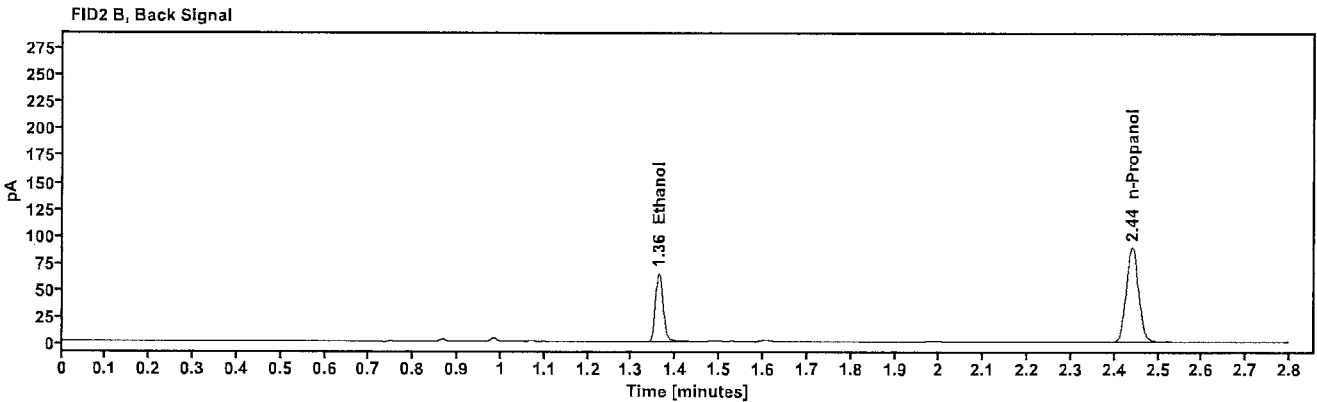
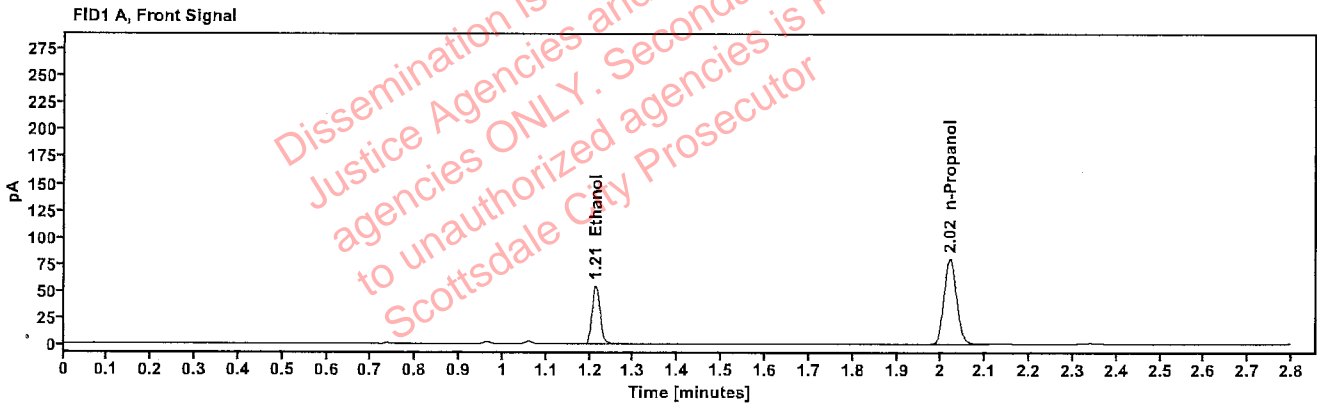


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1073	1.213	70.018
n-Propanol	---	2.020	159.954

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

Compound	Time (min)	Peak Area
Ethanol	1.361	77.285
n-Propanol	2.440	175.015



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313786-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:13:48 PM
Data file:	C:\Chem32\1\Data\31Oct23\32.D	Analyst:	Abbott

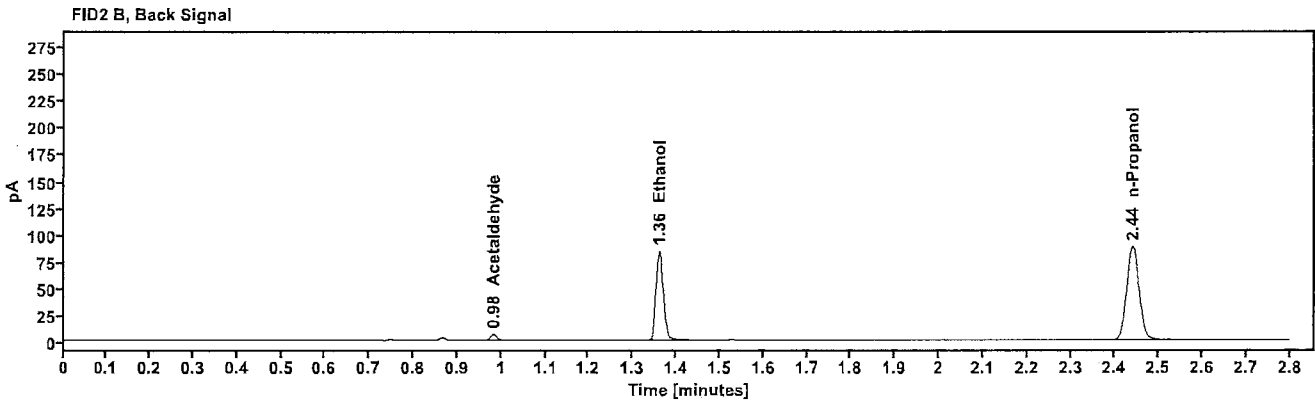
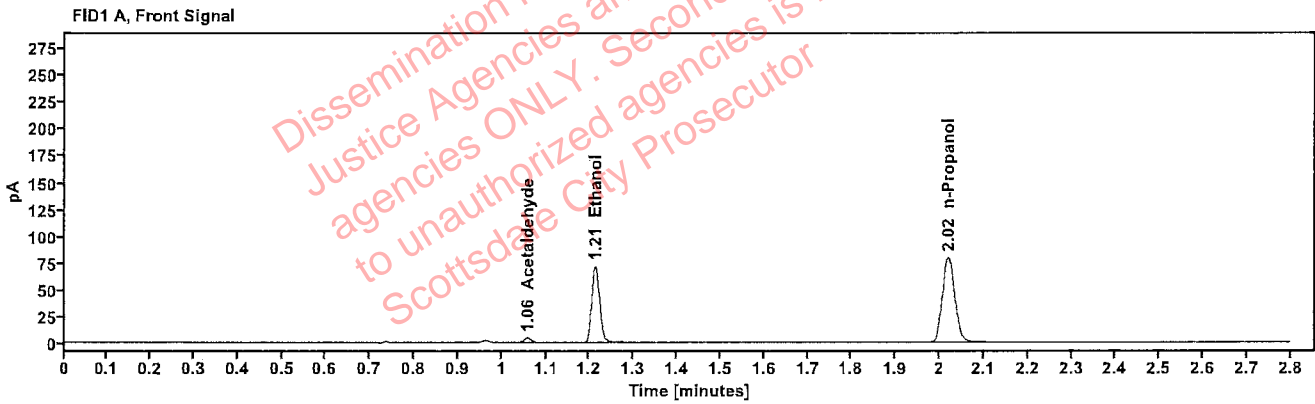


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.058	4.740
>Ethanol	0.1417	1.213	91.195
n-Propanol	-----	2.020	157.942

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.350
Ethanol	1.361	99.998
n-Propanol	2.440	173.041

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313786-2	Vial:	33
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:17:49 PM
Data file:	C:\Chem321\Data\31Oct23\33.D	Analyst:	Abbott

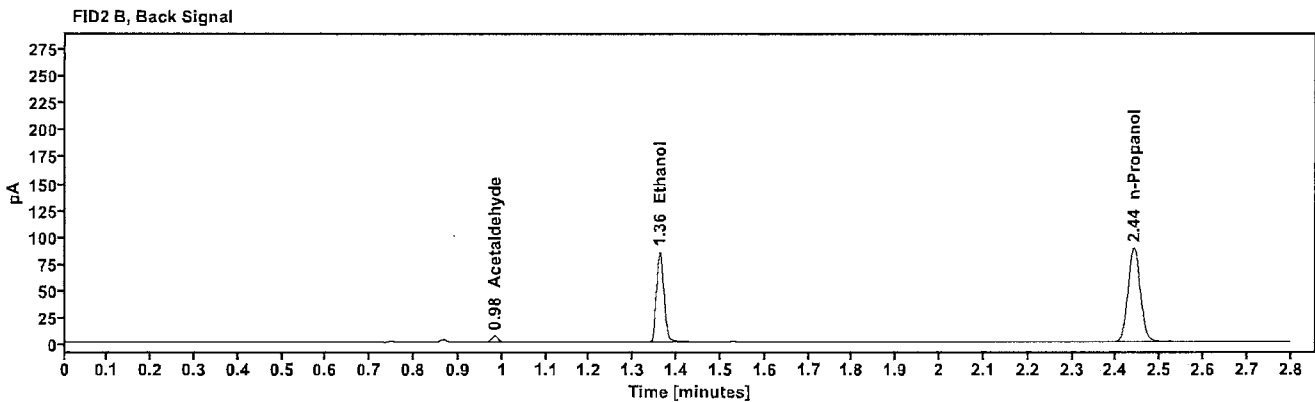
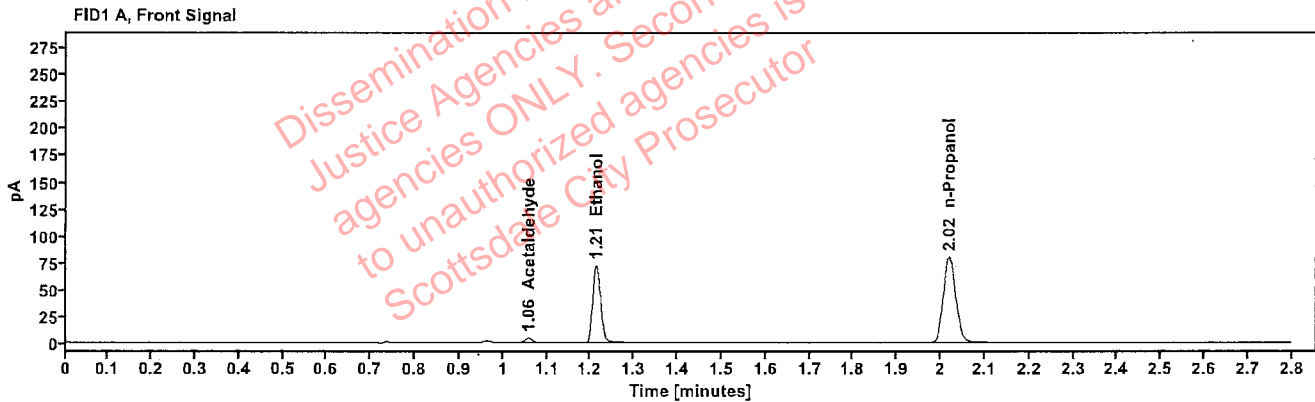


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.058	4.761
>Ethanol	0.1426	1.213	92.242
n-Propanol	-----	2.020	158.693

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.388
Ethanol	1.361	101.250
n-Propanol	2.440	173.802

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317671-2	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:21:48 PM
Data file:	C:\Chem32\1\Data\31Oct23\34.D	Analyst:	Abbott

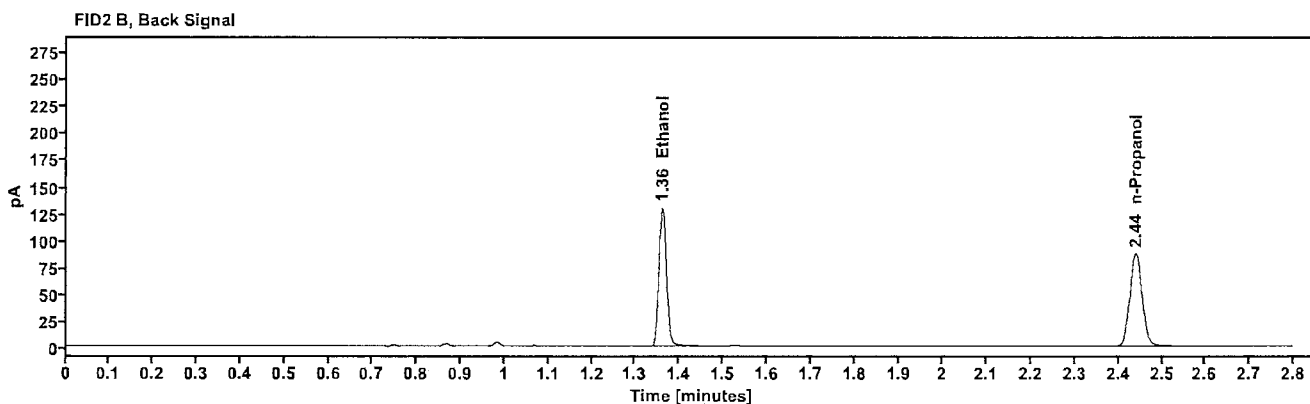
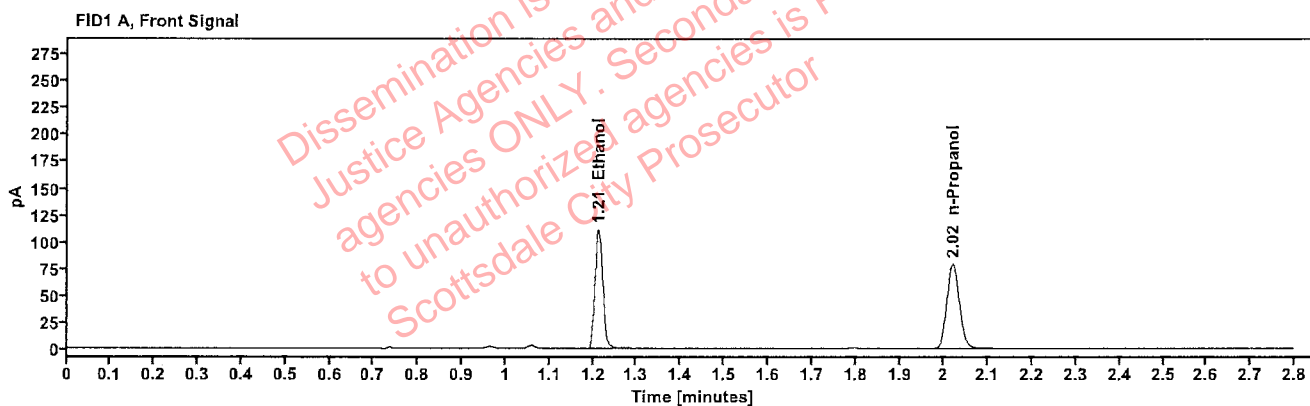


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2215	1.212	141.647
n-Propanol	---	2.020	157.094

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

Compound	Time (min)	Peak Area
Ethanol	1.360	155.996
n-Propanol	2.440	172.147

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317671-2	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:25:48 PM
Data file:	C:\Chem32\1\Data\31Oct23\35.D	Analyst:	Abbott

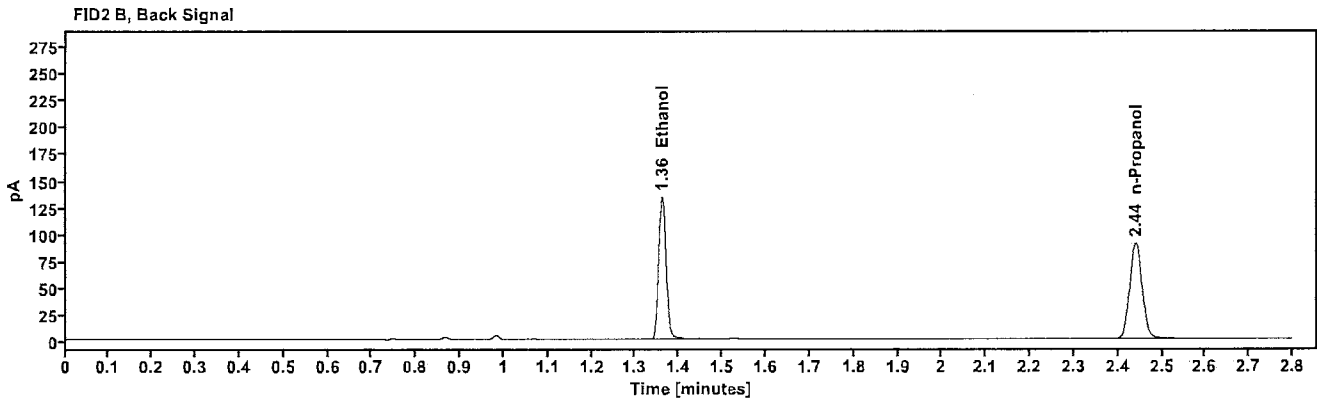
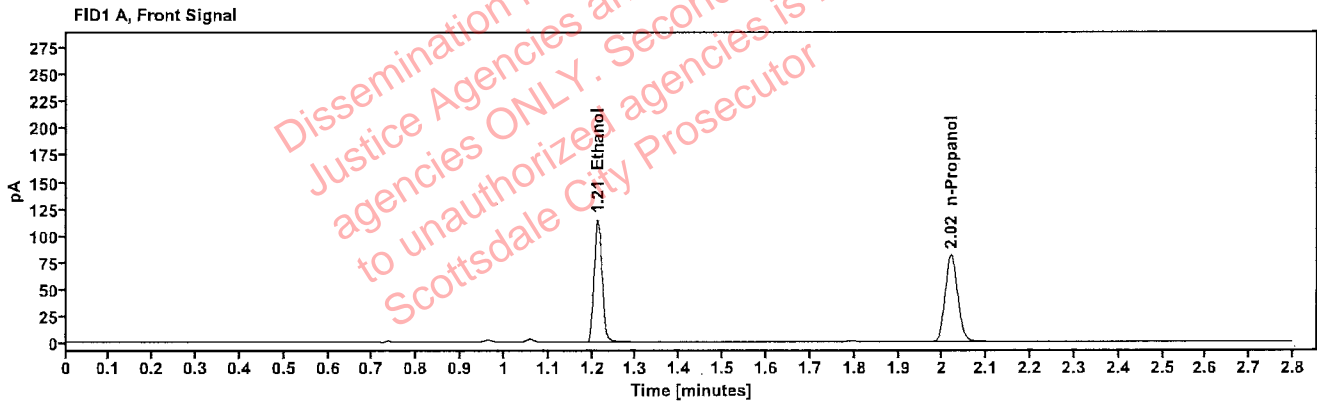


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2223	1.212	146.004
n-Propanol	-----	2.020	161.388

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

Compound	Time (min)	Peak Area
Ethanol	1.361	160.882
n-Propanol	2.440	176.965

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321745-2	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:29:48 PM
Data file:	C:\Chem32\1\Data\31Oct23\36.D	Analyst:	Abbott

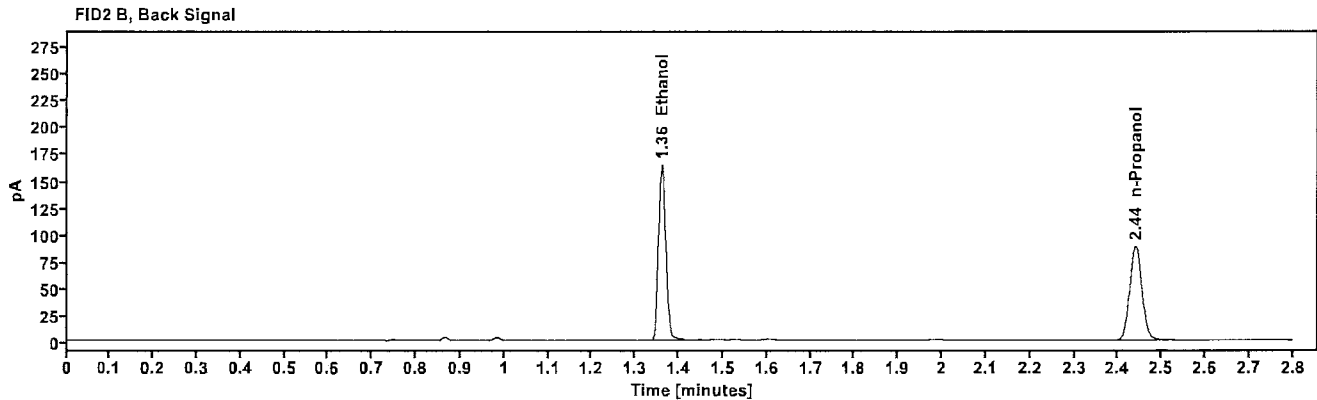
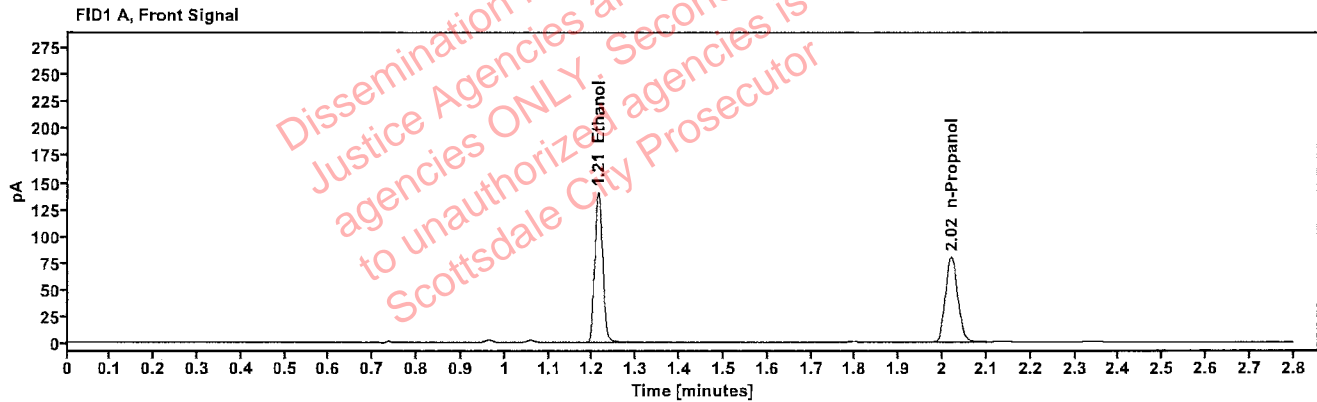


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2774	1.212	178.575
n-Propanol	---	2.020	158.220

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

Compound	Time (min)	Peak Area
Ethanol	1.360	197.982
n-Propanol	2.440	173.824

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321745-2	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:34:04 PM
Data file:	C:\Chem32\1\Data\31Oct23\37.D	Analyst:	Abbott

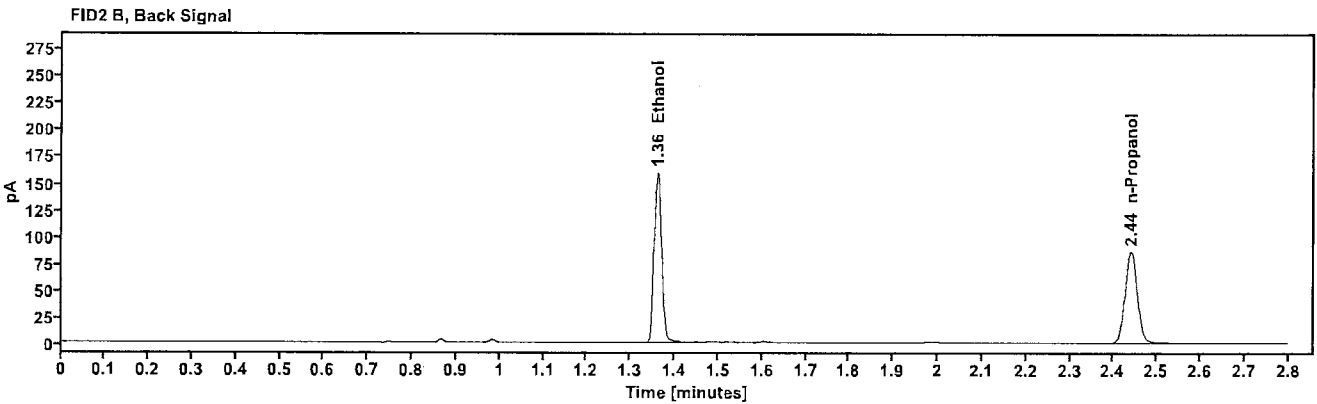
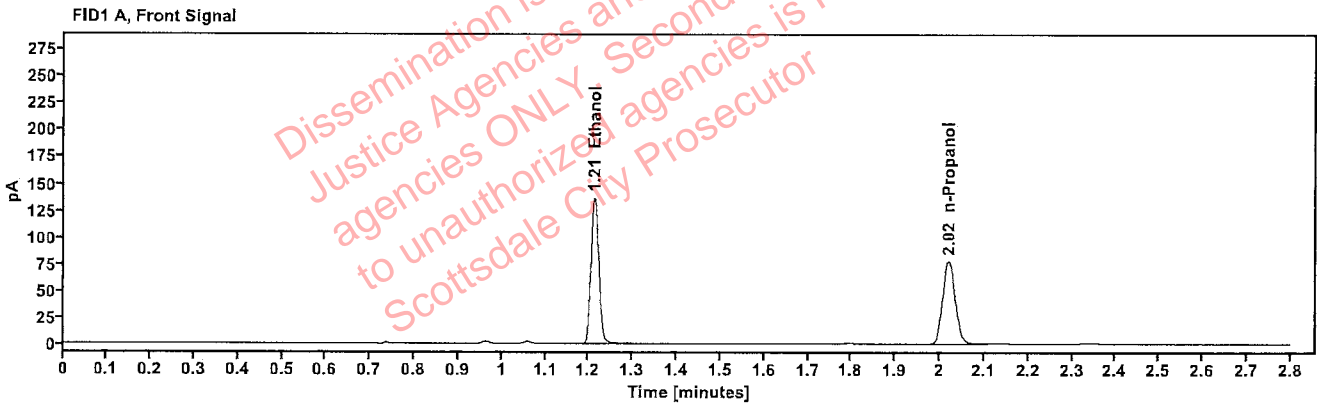


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2769	1.212	173.878
n-Propanol	-----	2.020	154.338

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

Compound	Time (min)	Peak Area
Ethanol	1.360	192.755
n-Propanol	2.440	169.518

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321859-1	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:38:04 PM
Data file:	C:\Chem32\1\Data\31Oct23\38.D	Analyst:	Abbott

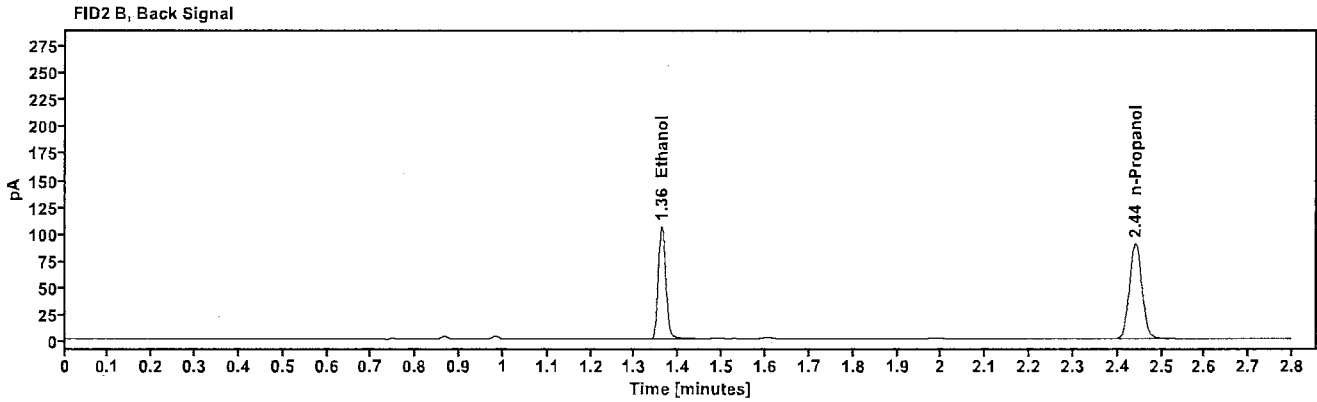
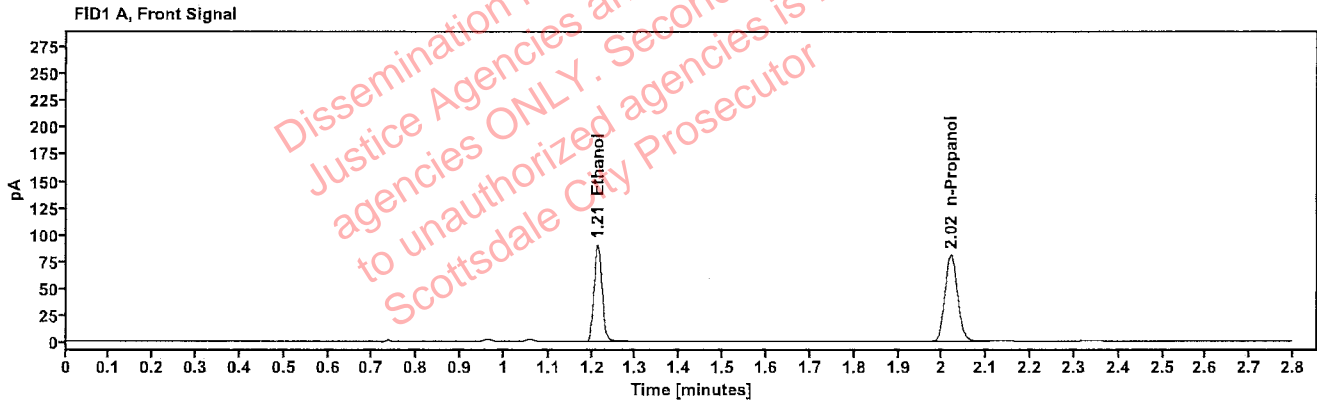


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1753	1.213	115.177
n-Propanol	-----	2.020	161.310

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

Compound	Time (min)	Peak Area
Ethanol	1.361	127.093
n-Propanol	2.440	176.095

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321859-1	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:42:04 PM
Data file:	C:\Chem32\1\Data\31Oct23\39.D	Analyst:	Abbott

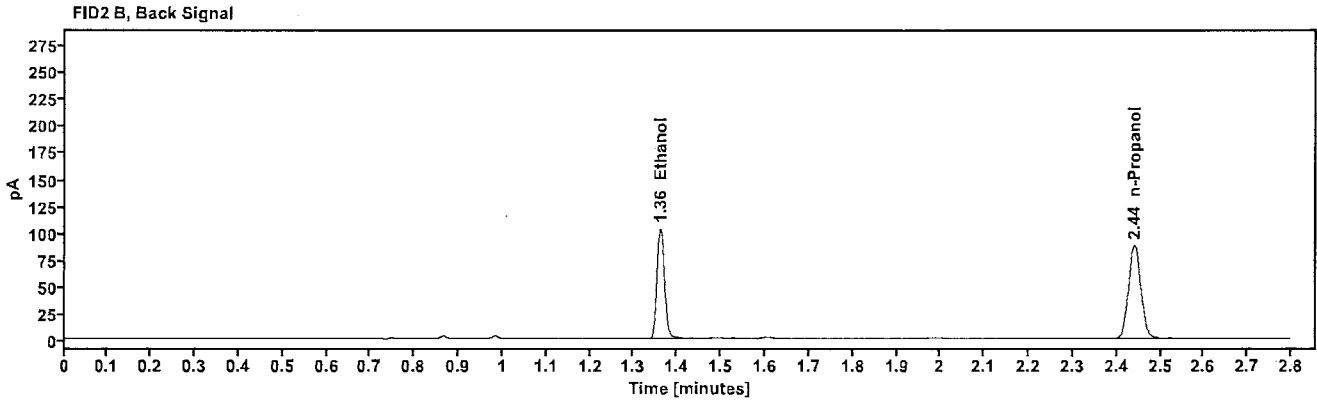
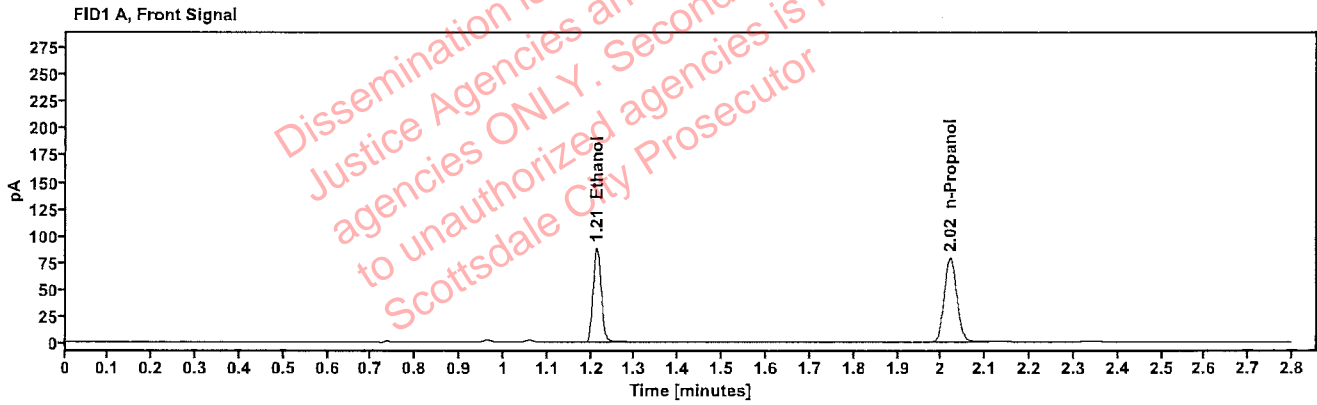


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1748	1.213	112.531
n-Propanol	-----	2.020	158.095

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

Compound	Time (min)	Peak Area
Ethanol	1.361	124.209
n-Propanol	2.440	172.571



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321905-2	Vial:	40
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:46:03 PM
Data file:	C:\Chem32\1\Data\31Oct23\40.D	Analyst:	Abbott

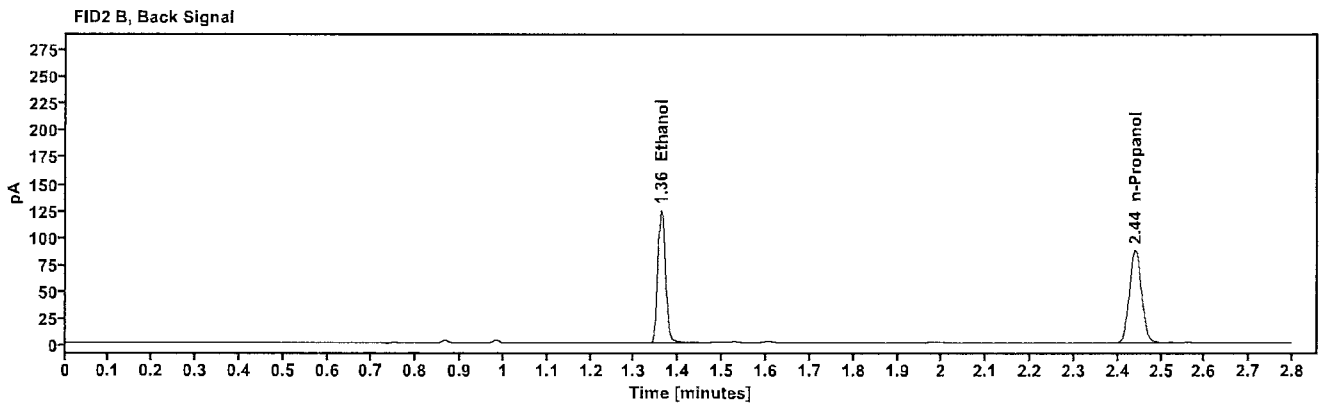
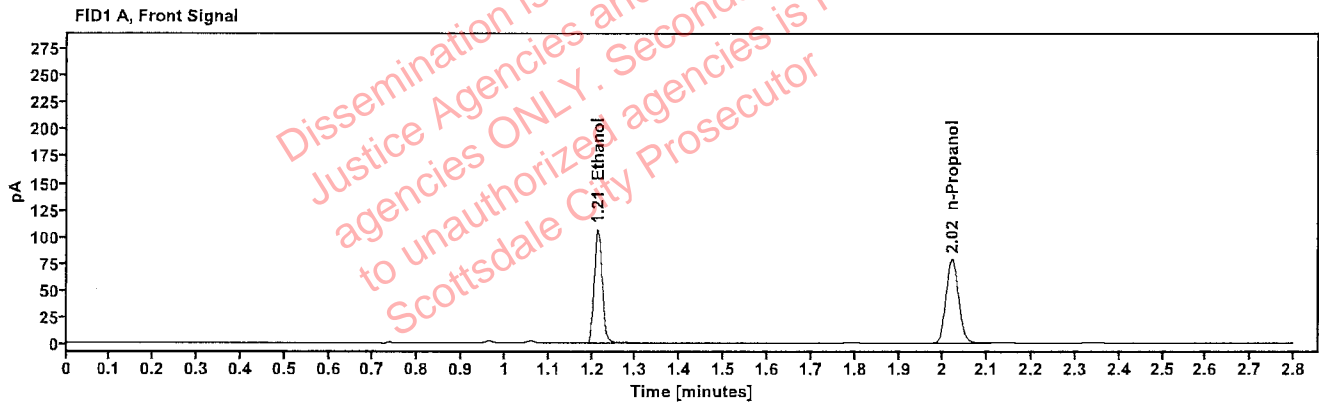


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2121	1.213	135.568
n-Propanol	-----	2.020	157.016

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

Compound	Time (min)	Peak Area
Ethanol	1.361	149.471
n-Propanol	2.440	171.118

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321905-2	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	31Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/31/2023 6:50:04 PM
Data file:	C:\Chem32\1\Data\31Oct23\41.D	Analyst:	Abbott

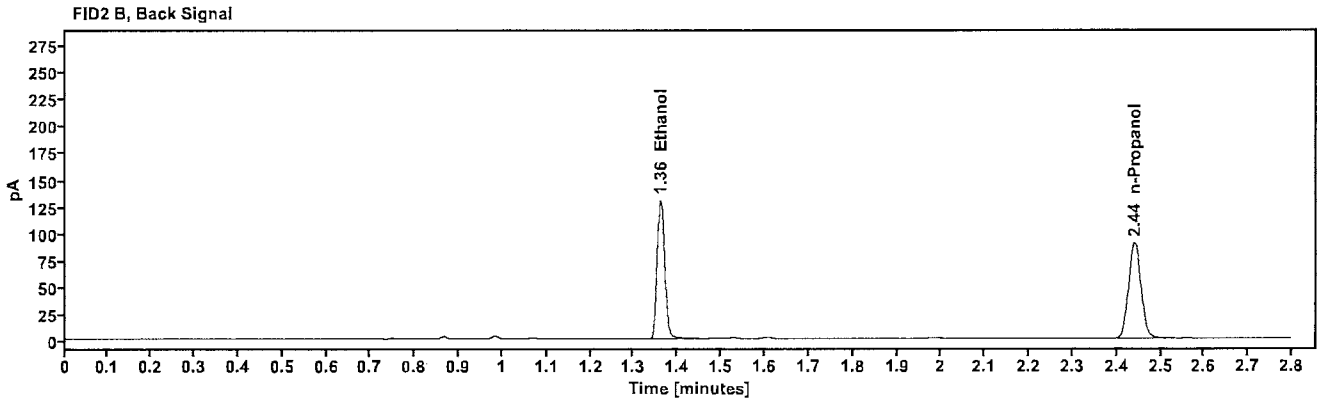
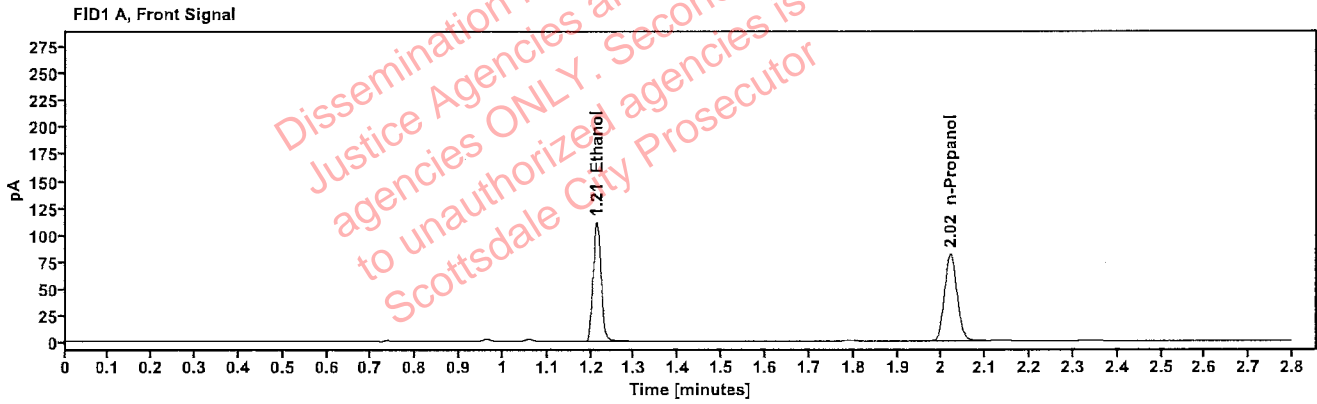


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2146	1.213	141.865
n-Propanol	---	2.020	162.411

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

Compound	Time (min)	Peak Area
Ethanol	1.361	156.476
n-Propanol	2.440	177.284