

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/25/22 SEQUENCE NAME 25Nov22

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN10051909 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN05311902 0.99995  
 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	0.400 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.404 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.203 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.  
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 \_\_\_\_\_  
 \_\_\_\_\_

Run valid   
 Run invalid   
  
 Analyst

Run valid   
 Run invalid   
  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

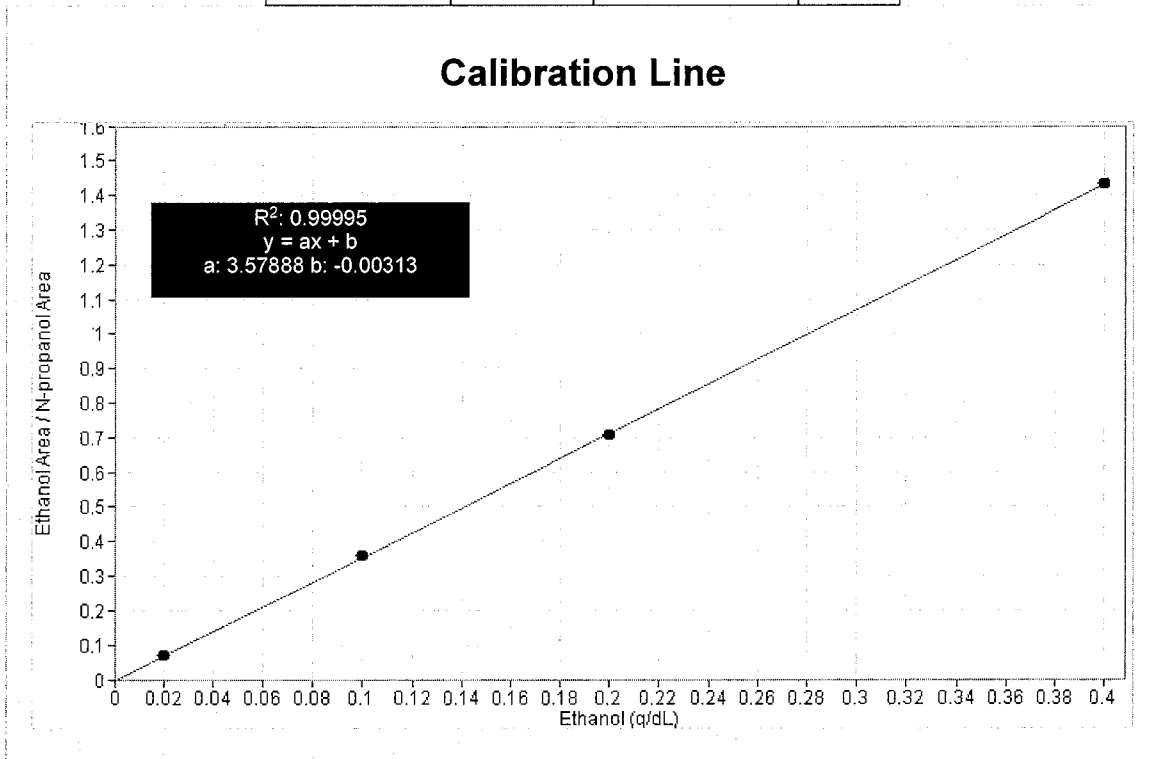
SEQUENCE NAME: 25Nov22

ANALYST: Abbott *Abbott*

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	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/8	9	0.201	0.199	1.01	0.002
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.400 11092018-A	42	0.404	0.400	1.00	0.004
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.199 4110320133/8	44	0.203	0.199	2.01	0.004
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.463	166.239	0.069
0.100	60.899	170.158	0.358
0.200	118.552	167.694	0.707
0.400	241.872	169.088	1.431

### 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> 25Nov22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/25/2022 10:41:17 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>JA</i>
<b>Data file:</b> C:\Chem32\1\Data\25Nov22\1.D	

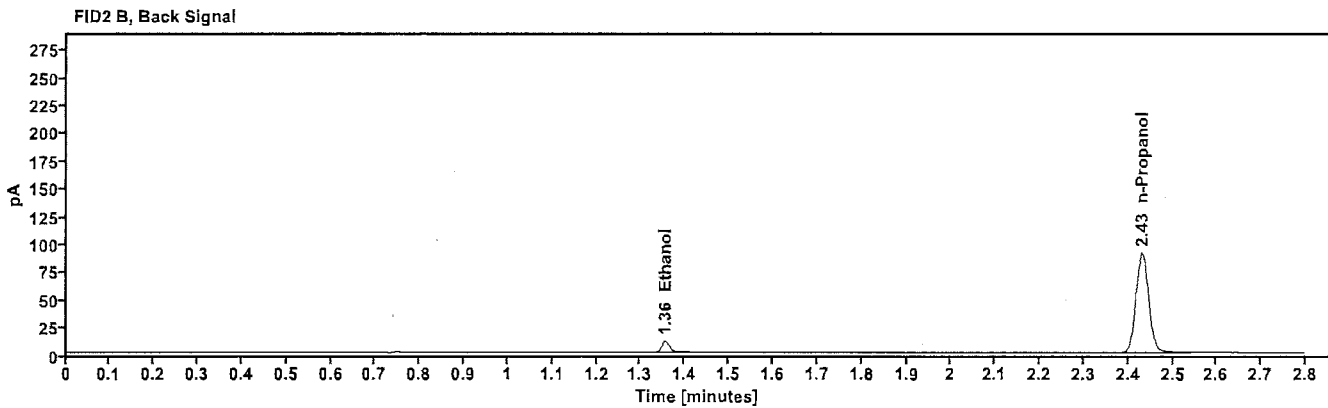
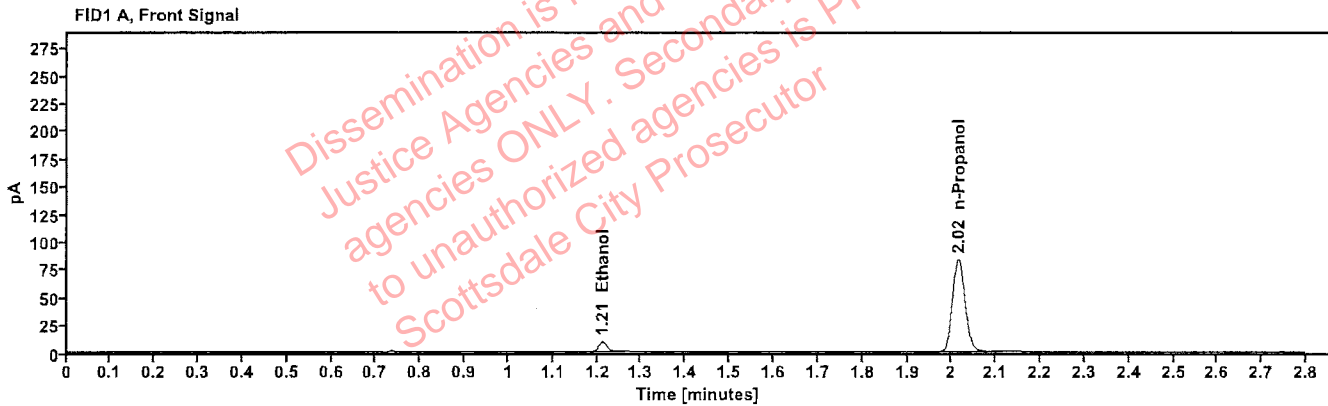


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.463
n-Propanol	2.015	166.239

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

Compound	Time (min)	Peak Area
Ethanol	1.355	12.444
n-Propanol	2.431	179.856

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN05311902	<b>Vial:</b>	2
<b>Description:</b>	0.100 calibrator	<b>Sequence:</b>	25Nov22
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	11/25/2022 10:45:18 AM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Abbott <span style="float: right;"><i>JA</i></span>
<b>Data file:</b>	C:\Chem32\1\Data\25Nov22\2.D		

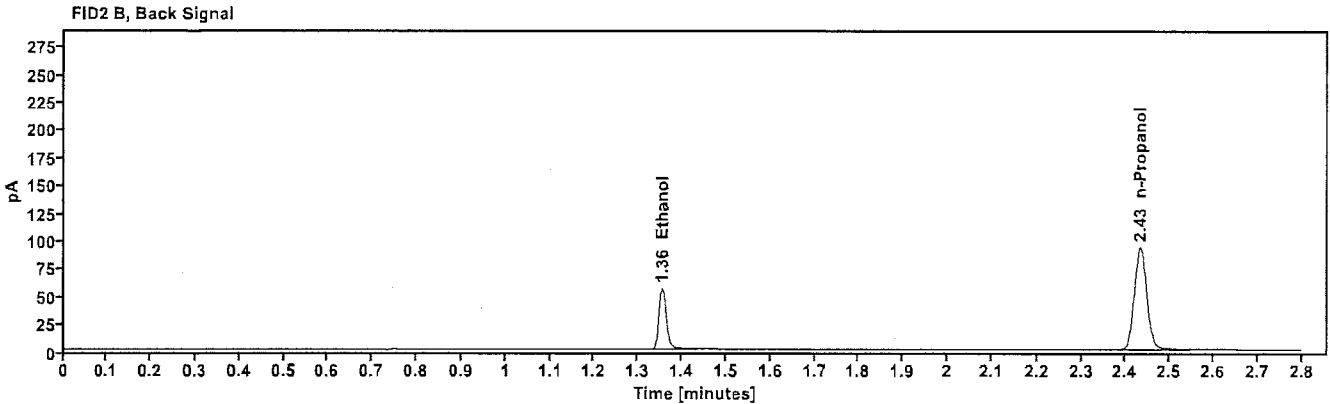
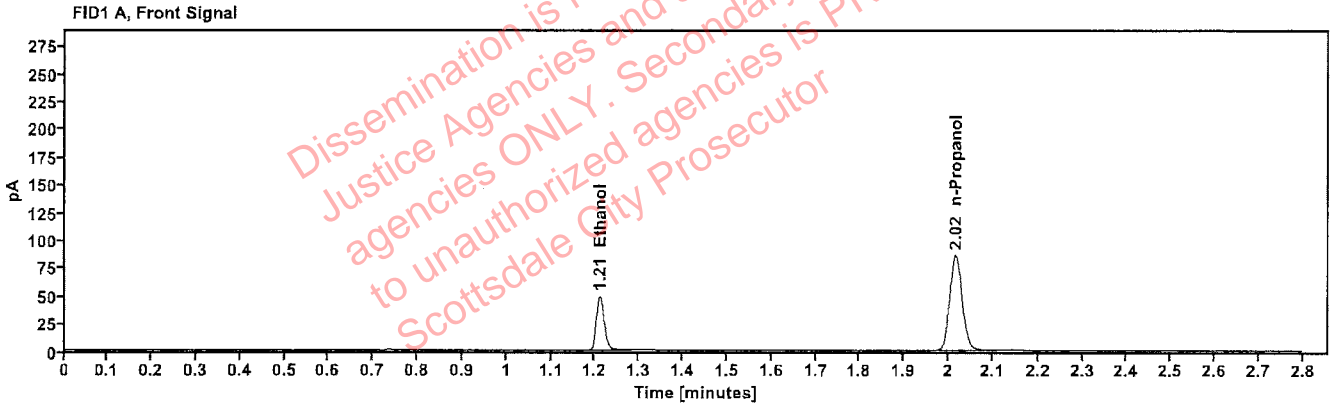


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.899
n-Propanol	2.016	170.158

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

Compound	Time (min)	Peak Area
Ethanol	1.355	66.206
n-Propanol	2.433	183.942

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02052101	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 25Nov22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/25/2022 10:49:18 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>du</i>
<b>Data file:</b> C:\Chem32\11\Data\25Nov22\3.D	

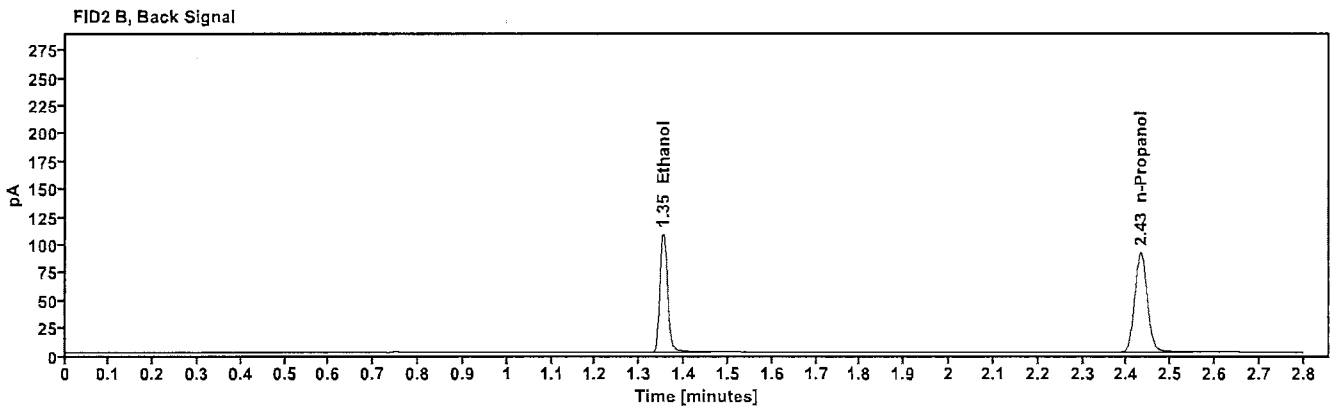
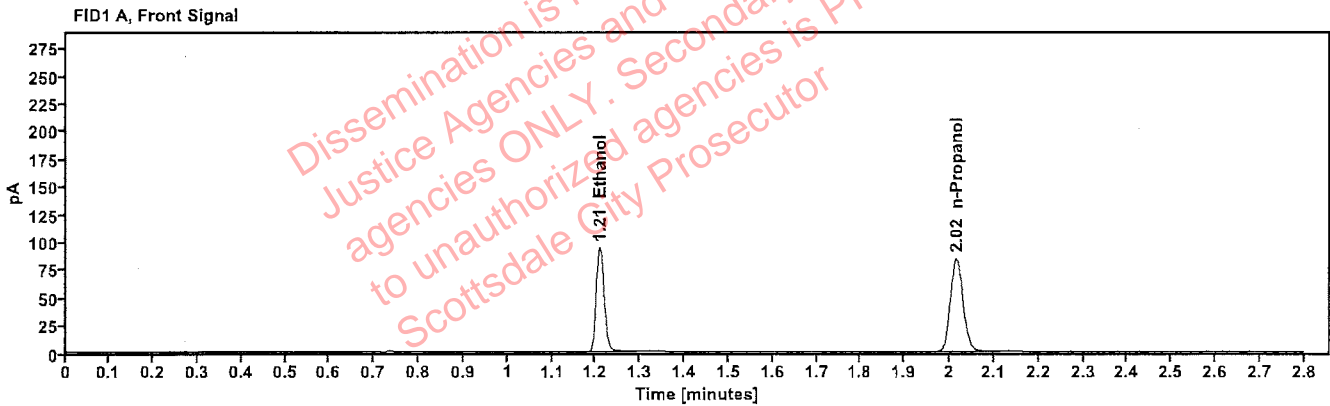


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	118.552
n-Propanol	2.015	167.694

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

Compound	Time (min)	Peak Area
Ethanol	1.353	129.638
n-Propanol	2.431	181.337

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	25Nov22
Method:	ethanol quant.M	Injection date:	11/25/2022 10:53:17 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\25Nov22\4.D		

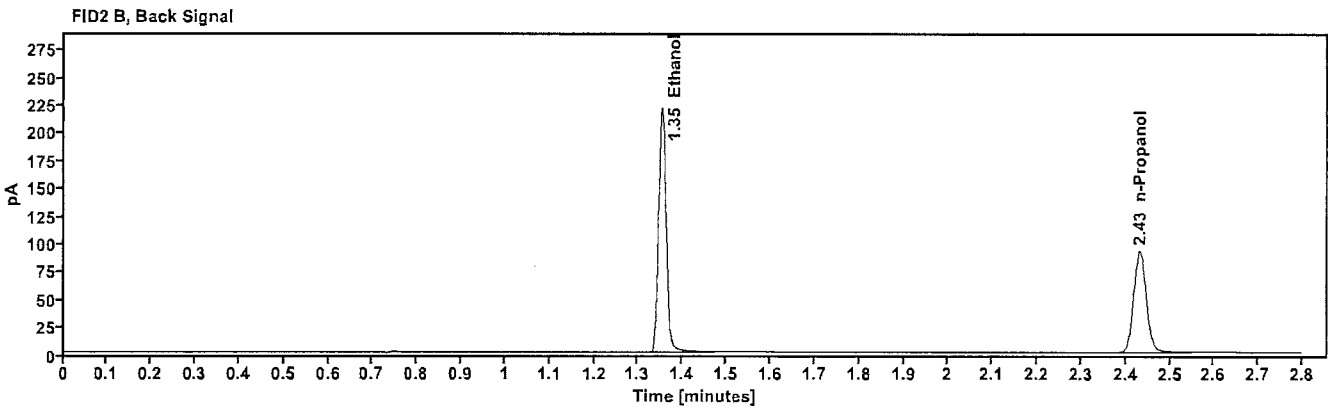
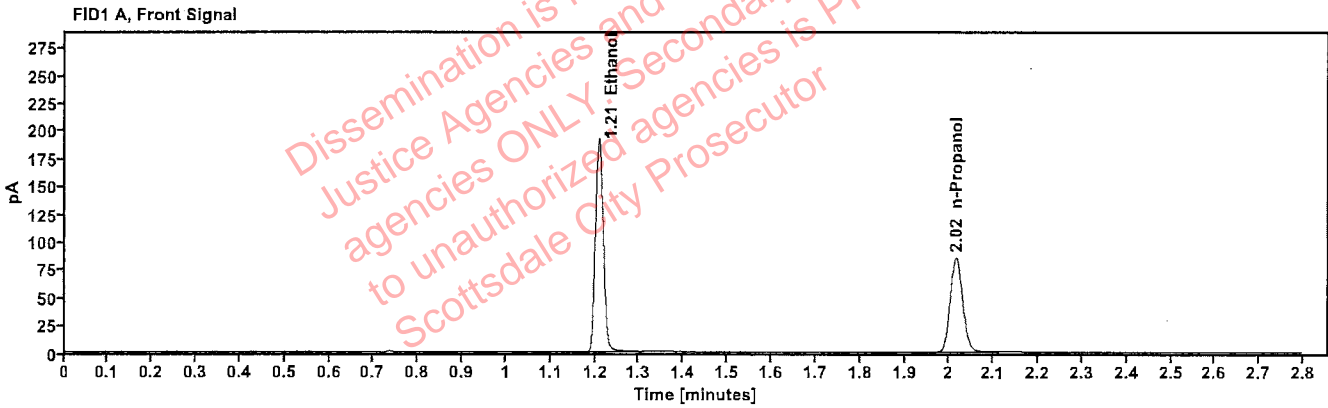


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	241.872
n-Propanol	2.015	169.088

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

Compound	Time (min)	Peak Area
Ethanol	1.353	265.003
n-Propanol	2.432	182.825

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 100722AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 25Nov22
Instrument: US14173023 CN14160045	Injection date: 11/25/2022 10:57:18 AM
Data file: C:\Chem32\1\Data\25Nov22\5.D	Analyst: Abbott <i>BA</i>

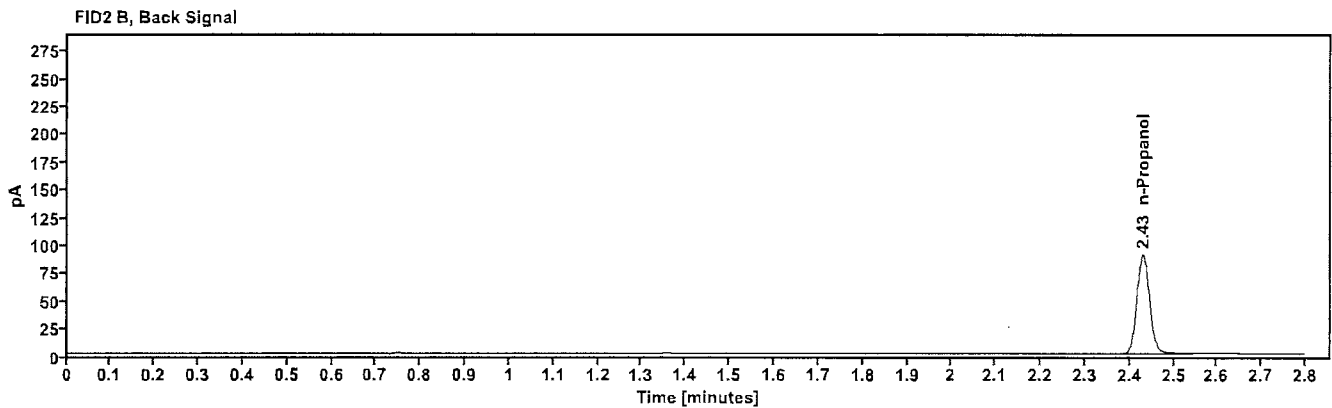
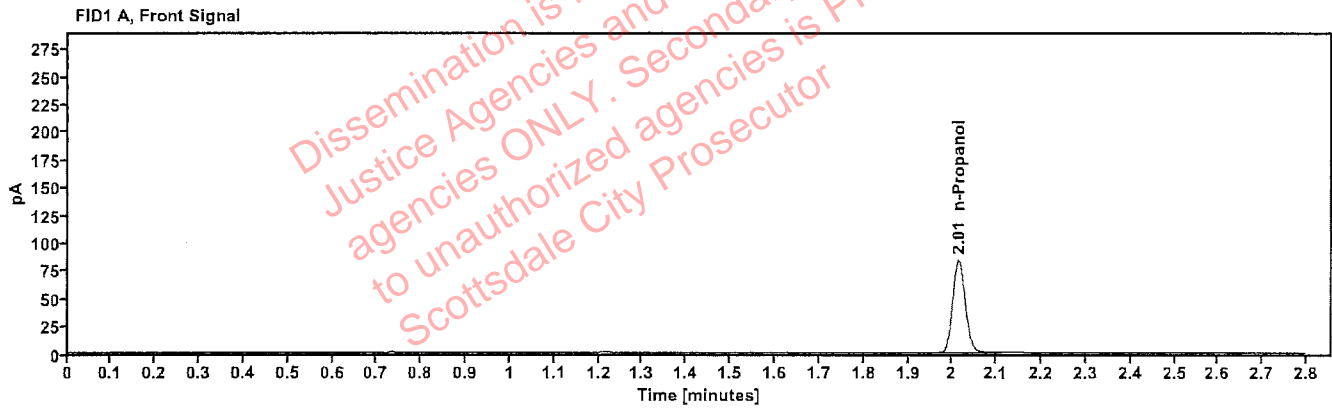


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	165.814

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

Compound	Time (min)	Peak Area
n-Propanol	2.430	179.300

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:01:17 AM
Data file:	C:\Chem32\1\Data\25Nov22\6.D	Analyst:	Abbott

*Abbott*

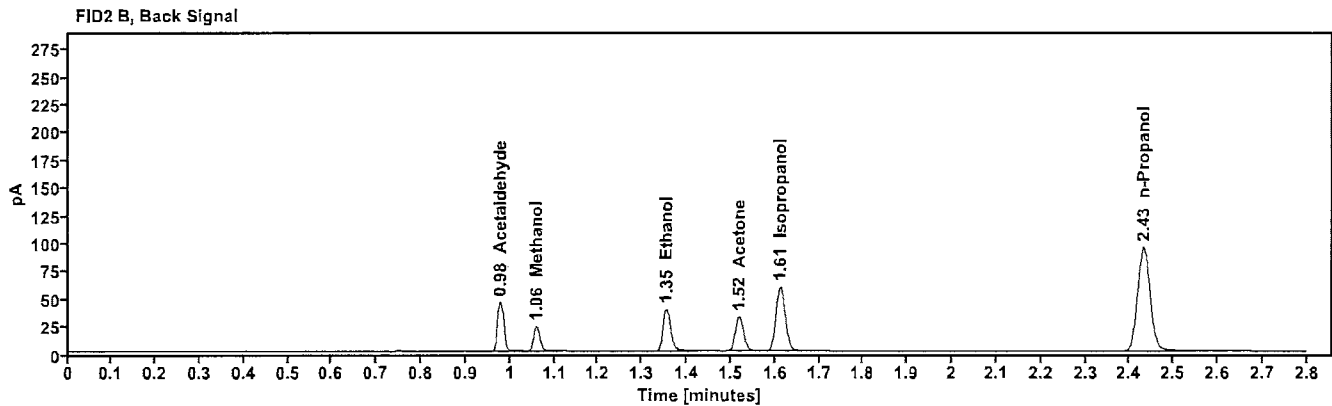
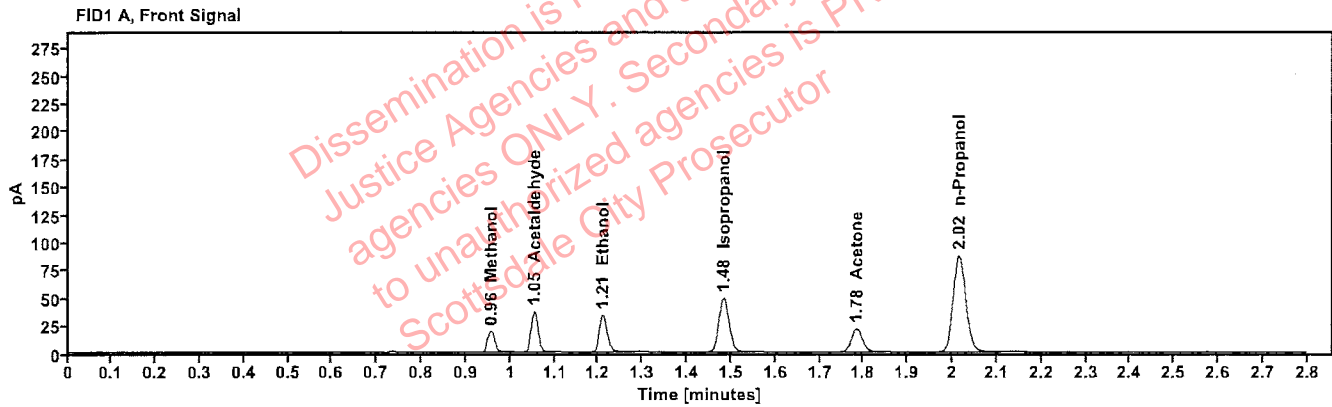


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	21.251
Acetaldehyde	-----	1.054	40.414
>Ethanol	0.0695	1.210	42.564
Isopropanol	-----	1.483	77.950
Acetone	-----	1.784	36.653
n-Propanol	-----	2.015	173.222

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	45.029
Methanol	1.059	23.220
Ethanol	1.354	46.169
Acetone	1.519	40.410
Isopropanol	1.612	86.294
n-Propanol	2.431	187.393



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 25Nov22
Instrument: US14173023 CN14160045	Injection date: 11/25/2022 11:05:32 AM
Data file: C:\Chem32\1\Data\25Nov22\7.D	Analyst: Abbott <i>AK</i>

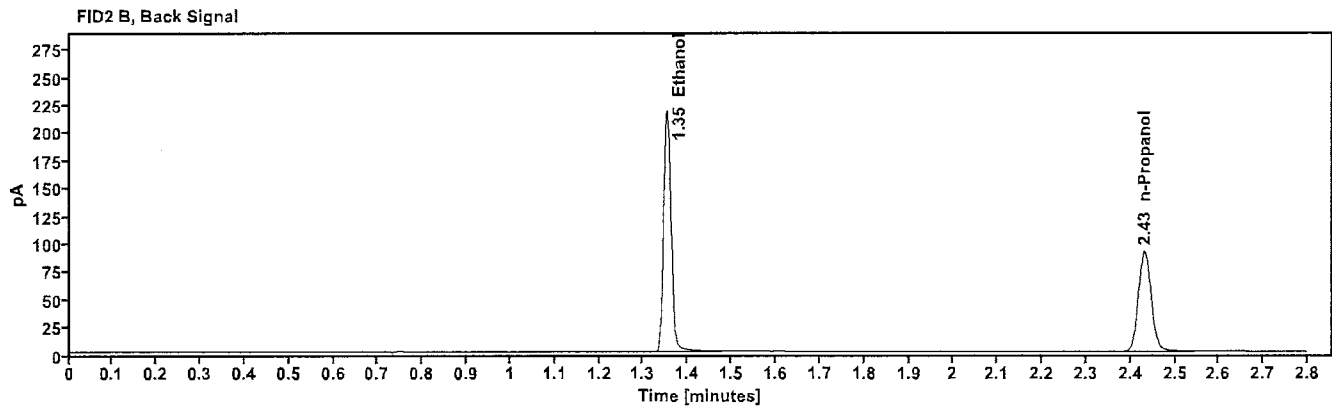
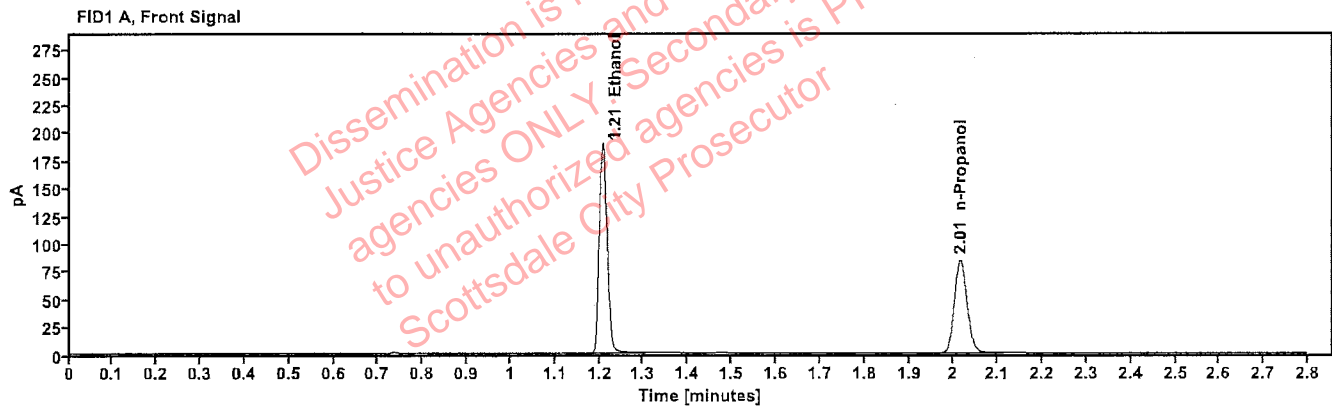


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4001	1.208	238.494
n-Propanol	-----	2.015	166.920

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

Compound	Time (min)	Peak Area
Ethanol	1.353	261.598
n-Propanol	2.431	180.338

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 8
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/25/2022 11:09:32 AM
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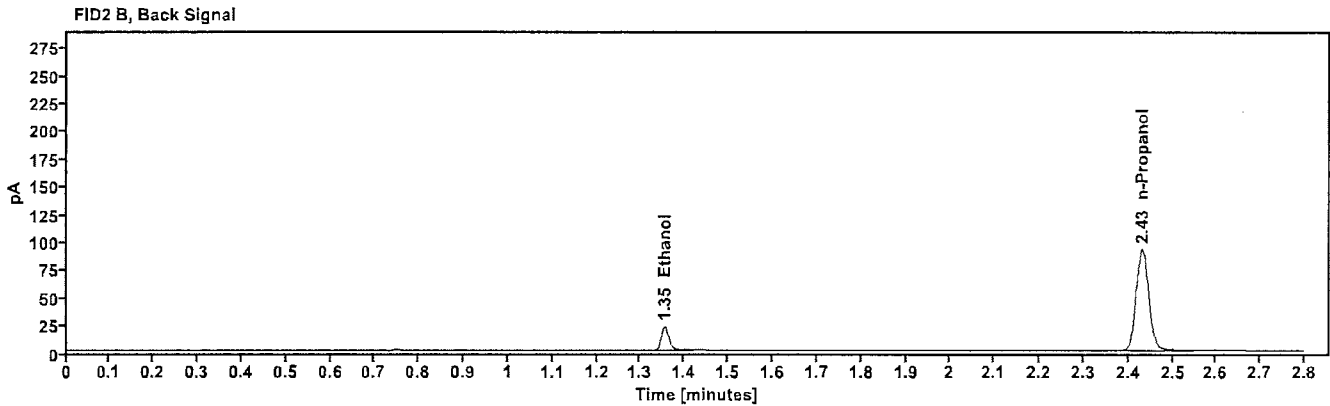
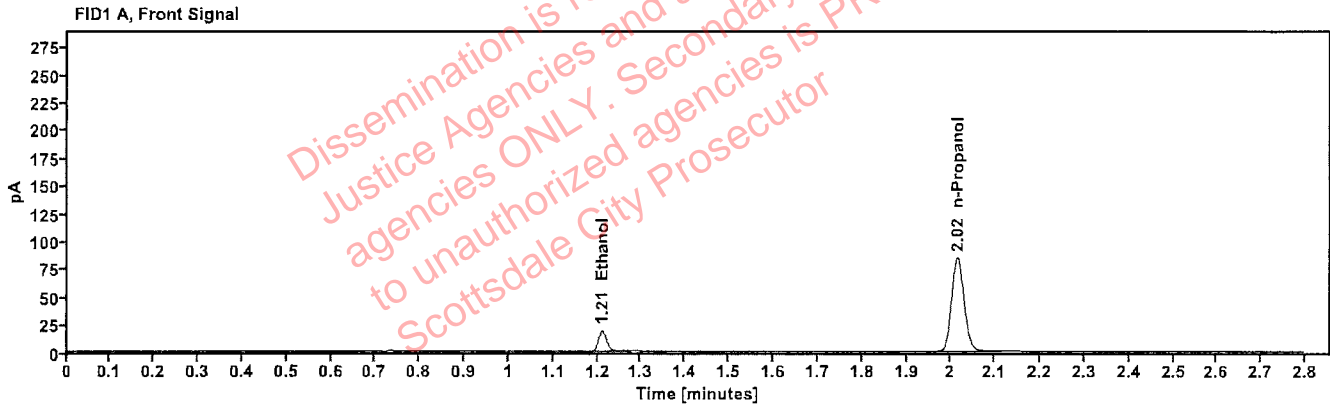


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.211	23.990
n-Propanol	-----	2.015	168.755

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

Compound	Time (min)	Peak Area
Ethanol	1.355	25.985
n-Propanol	2.431	182.509

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/8	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 25Nov22
Instrument: US14173023 CN14160045	Injection date: 11/25/2022 11:13:32 AM
Data file: C:\Chem32\1\Data\25Nov22\9.D	Analyst: Abbott <span style="float: right;">JK</span>

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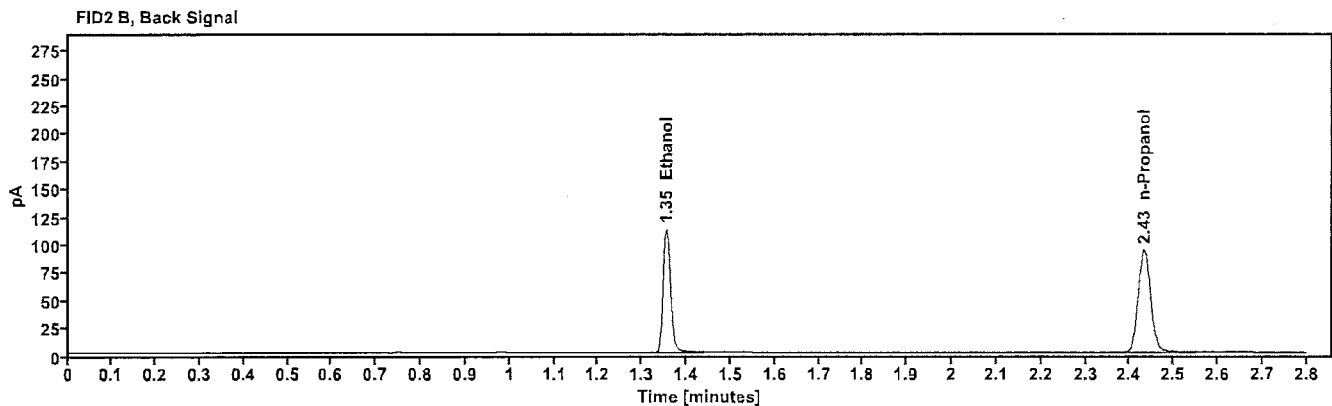
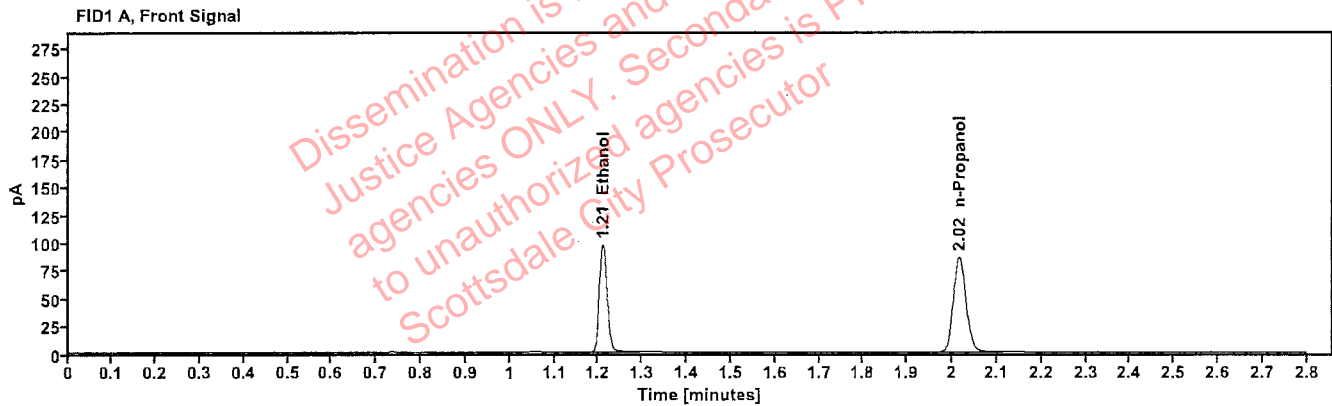


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2012	1.209	122.601
n-Propanol	---	2.016	170.987

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

Compound	Time (min)	Peak Area
Ethanol	1.355	133.567
n-Propanol	2.433	185.073

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 25Nov22
Instrument: US14173023 CN14160045	Injection date: 11/25/2022 11:58:02 AM
Data file: C:\Chem32\1\Data\25Nov22\20.D	Analyst: Abbott <i>[Signature]</i>

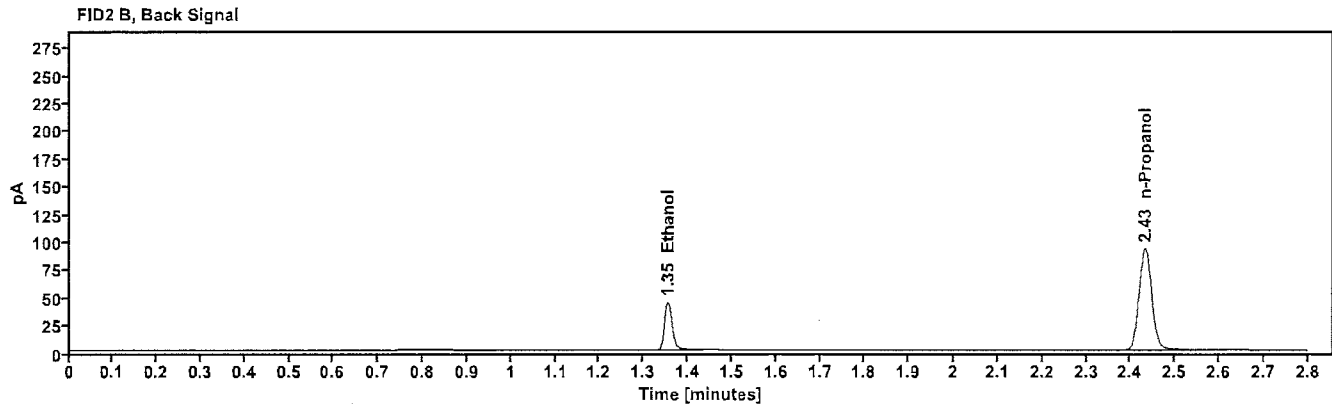
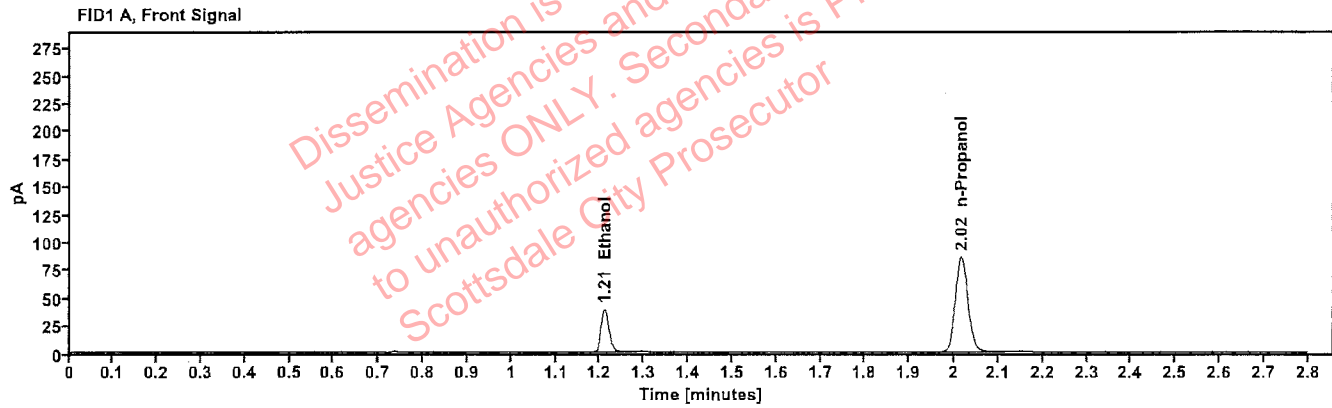


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.210	48.640
n-Propanol	-----	2.016	170.535

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

Compound	Time (min)	Peak Area
Ethanol	1.355	52.802
n-Propanol	2.432	184.068

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:42:32 PM
Data file:	C:\Chem32\1\Data\25Nov22\31.D	Analyst:	Abbott <i>JA</i>

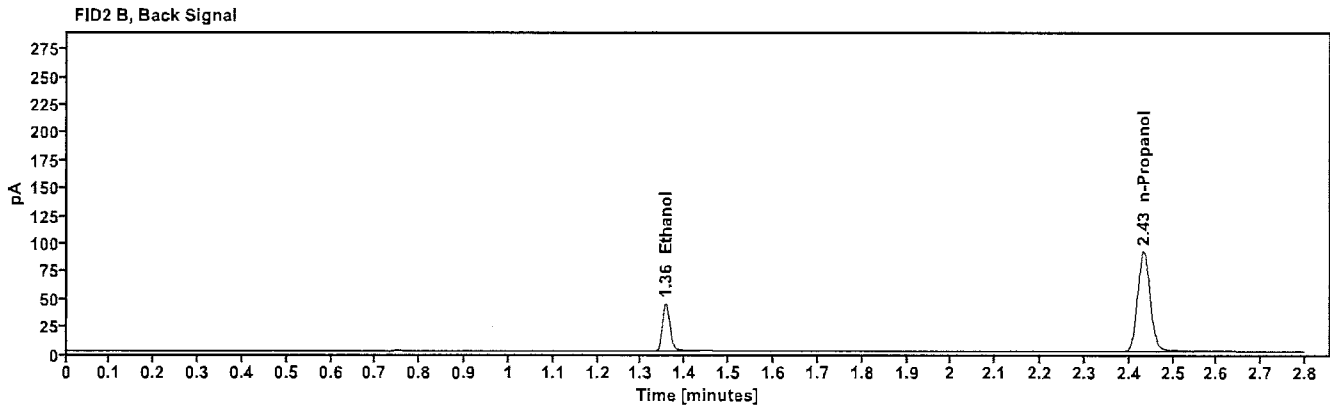
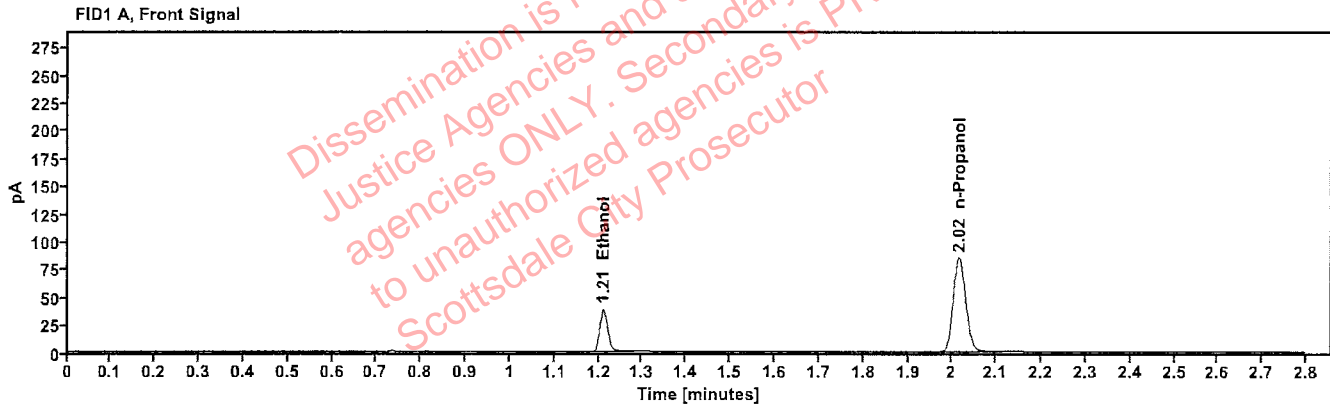


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.211	48.230
n-Propanol	----	2.016	168.165

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

Compound	Time (min)	Peak Area
Ethanol	1.355	52.241
n-Propanol	2.433	181.578

# 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> 25Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/25/2022 1:26:48 PM
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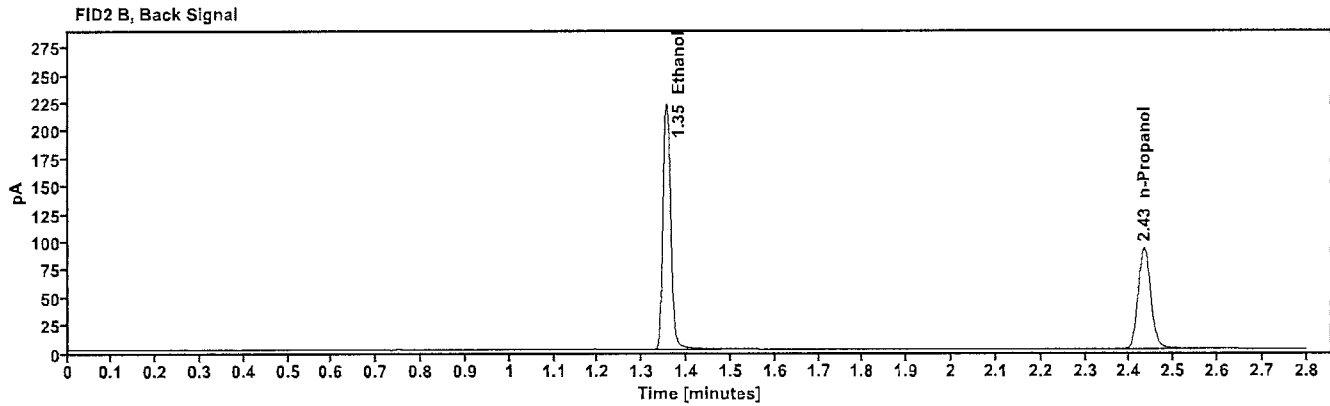
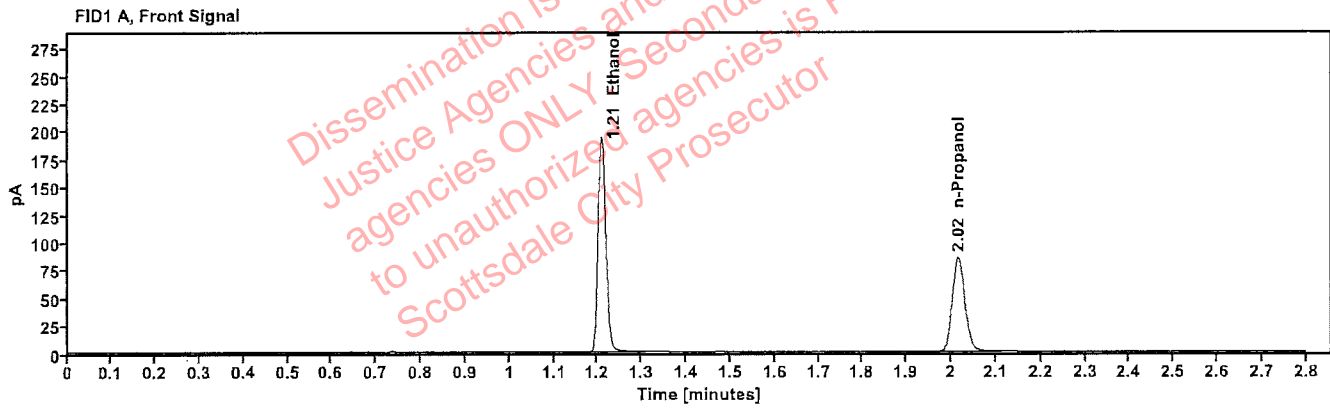


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4049	1.209	244.342
n-Propanol	-----	2.016	168.994

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

Compound	Time (min)	Peak Area
Ethanol	1.354	267.892
n-Propanol	2.433	182.756

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 43
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/25/2022 1:31:03 PM
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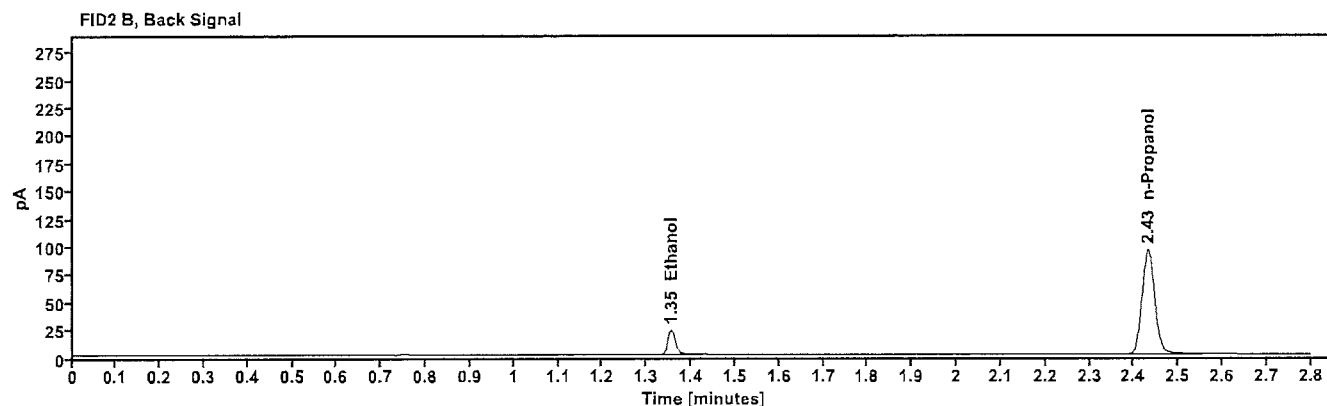
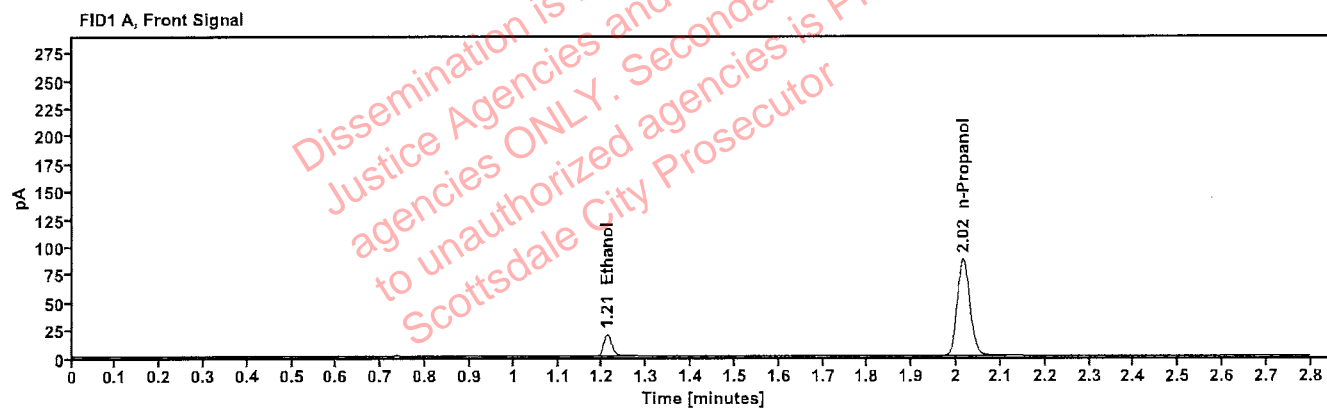


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.211	24.771
n-Propanol	-----	2.015	174.419

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.849
n-Propanol	2.432	188.819

# 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> 25Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/25/2022 1:35:03 PM
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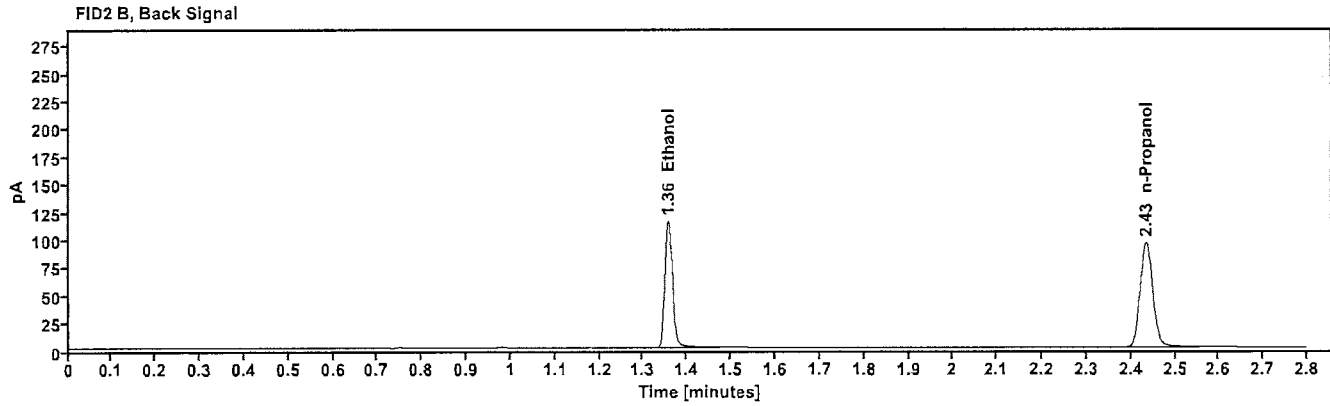
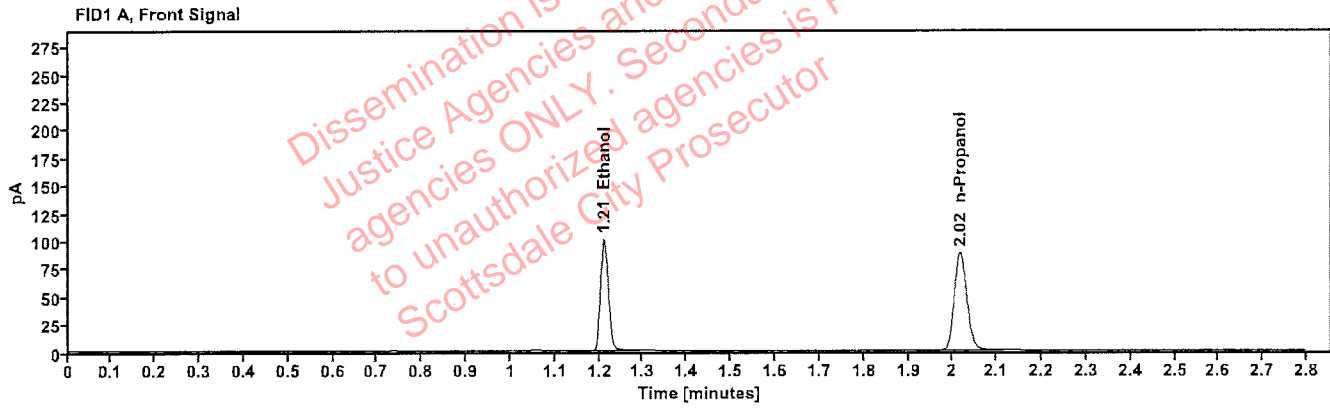


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2035	1.211	127.290
n-Propanol	-----	2.017	175.516

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

Compound	Time (min)	Peak Area
Ethanol	1.356	139.399
n-Propanol	2.435	189.817



# 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> 25Nov22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/25/2022 1:39:03 PM
<b>Data file:</b> C:\Chem32\1\Data\25Nov22\45.D	<b>Analyst:</b> Abbott <span style="float: right;"><i>DA</i></span>

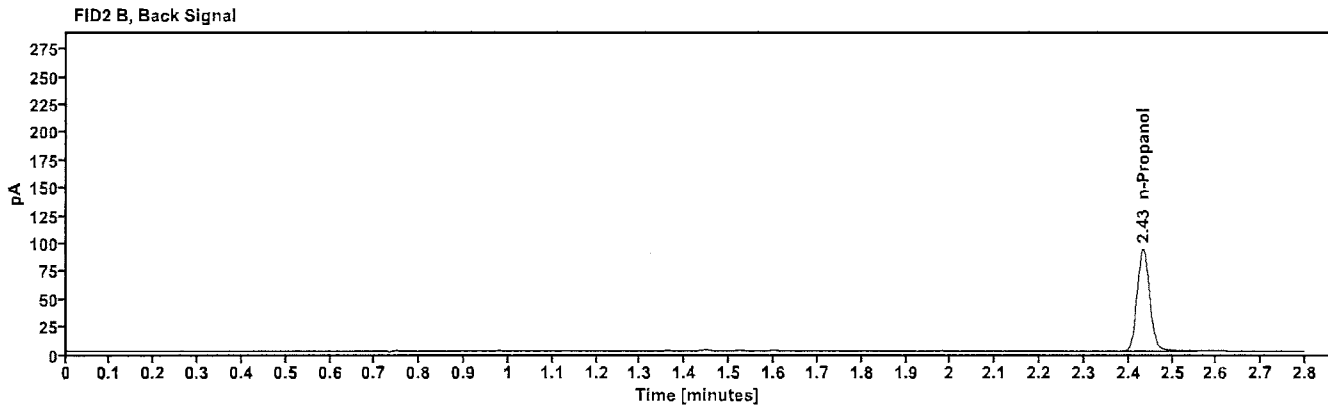
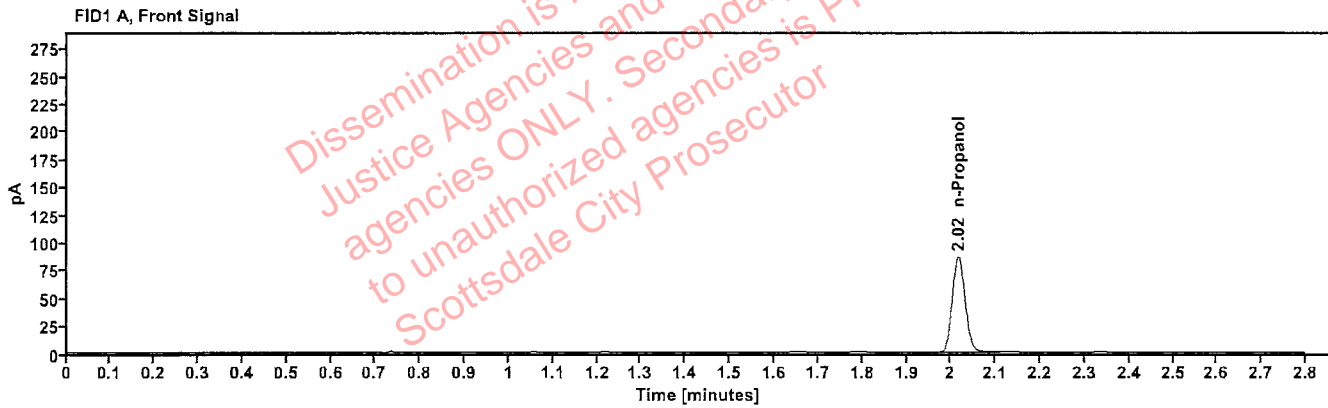


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.016	171.297

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

Compound	Time (min)	Peak Area
n-Propanol	2.433	185.572

# Sequence Summary

Sequence name: 25Nov22      Instrument: US14173023 CN14160045      Analyst: Abbott *JA*

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	2221383-1		Sample		ethanol quant.M
11	2221383-1		Sample		ethanol quant.M
12	2221963-2		Sample		ethanol quant.M
13	2221963-2		Sample		ethanol quant.M
14	2221907-2		Sample		ethanol quant.M
15	2221907-2		Sample		ethanol quant.M
16	2221460-2		Sample		ethanol quant.M
17	2221460-2		Sample		ethanol quant.M
18	2221977-2		Sample		ethanol quant.M
19	2221977-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	405-01L.M.		Sample		ethanol quant.M
22	405-01L.M.		Sample		ethanol quant.M
23	382-01A.G.		Sample		ethanol quant.M
24	382-01A.G.		Sample		ethanol quant.M
25	2221584-3		Sample		ethanol quant.M
26	2221584-3		Sample		ethanol quant.M
27	2222150-2		Sample		ethanol quant.M
28	2222150-2		Sample		ethanol quant.M
29	2222014-2		Sample		ethanol quant.M
30	2222014-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2221905-2		Sample		ethanol quant.M
33	2221905-2		Sample		ethanol quant.M
34	2221966-2		Sample		ethanol quant.M
35	2221966-2		Sample		ethanol quant.M
36	2222215-4		Sample		ethanol quant.M
37	2222215-4		Sample		ethanol quant.M
38	2222217-2		Sample		ethanol quant.M
39	2222217-2		Sample		ethanol quant.M
40	2222371-2		Sample		ethanol quant.M
41	2222371-2		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

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 25Nov22

ANALYST: Abbott *JA*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2299	0.2262	0.22805	0.81	0.00185
12 13	0.2685	0.2782	0.27335	1.77	0.00485
14 15	0.0824	0.0828	0.08260	0.24	0.00020
16 17	0.1654	0.1633	0.16435	0.64	0.00105
18 19	0.1556	0.1561	0.15585	0.16	0.00025
21 22	0.2433	0.2434	0.24335	0.02	0.00005
23 24	0.1179	0.1199	0.11890	0.84	0.00100
25 26	0.1781	0.1739	0.17600	1.19	0.00210
27 28	0.1968	0.1941	0.19545	0.69	0.00135
29 30	0.1097	0.1105	0.11010	0.36	0.00040
32 33	0.1890	0.1910	0.19000	0.53	0.00100
34 35	0.0854	0.0828	0.08410	1.55	0.00130
36 37	0.1359	0.1318	0.13385	1.53	0.00205
38 39	0.2114	0.2147	0.21305	0.77	0.00165
40 41	0.1716	0.1738	0.17270	0.64	0.00110

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221383-1	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:17:33 AM
Data file:	C:\Chem32\1\Data\25Nov22\10.D	Analyst:	Abbott

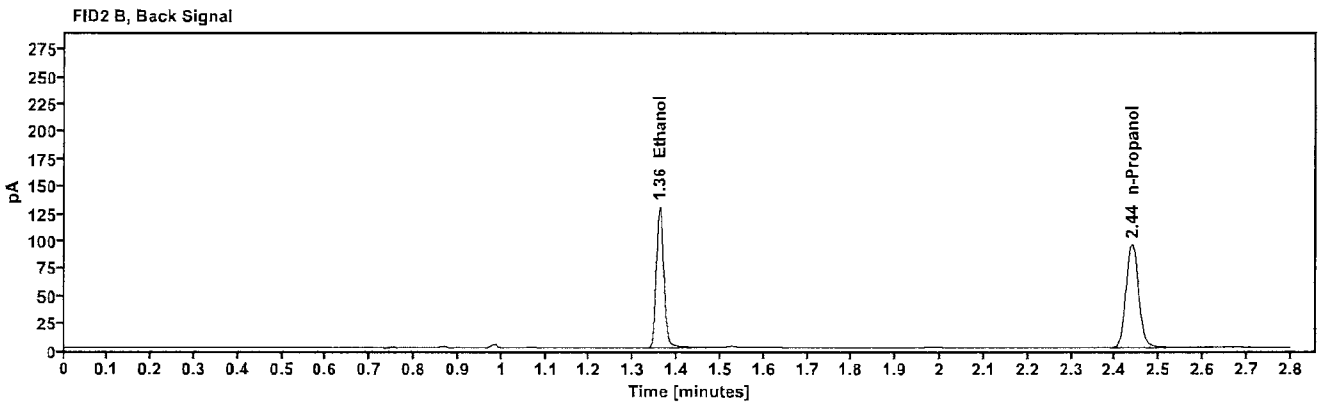
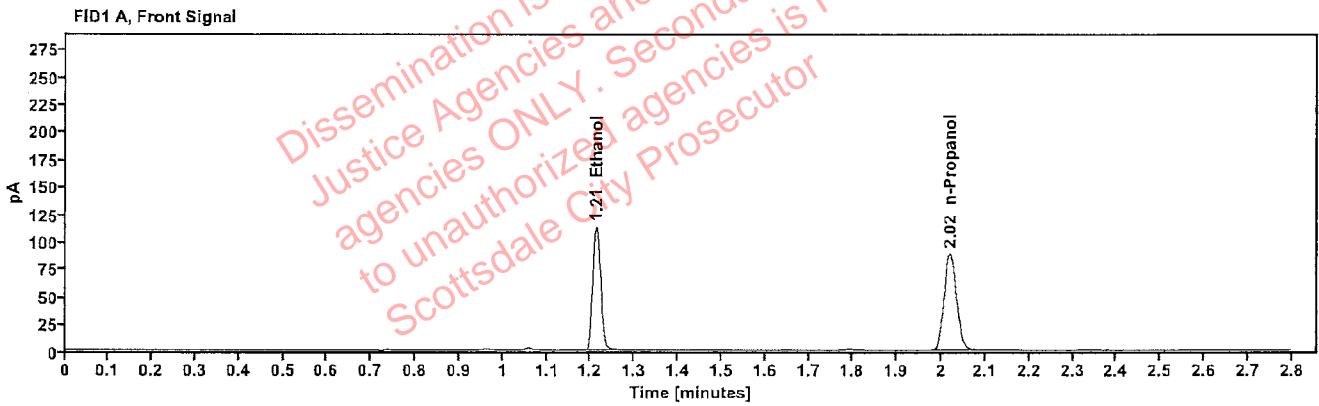


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2299	1.213	143.913
n-Propanol	-----	2.019	175.596

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

Compound	Time (min)	Peak Area
Ethanol	1.360	157.381
n-Propanol	2.438	189.394

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221383-1	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:21:32 AM
Data file:	C:\Chem32\1\Data\25Nov22\11.D	Analyst:	Abbott

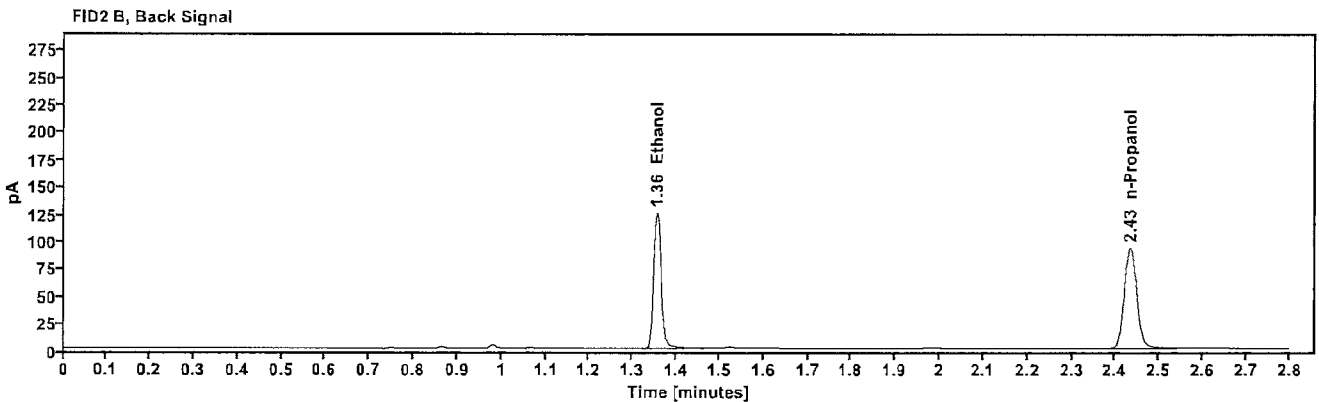
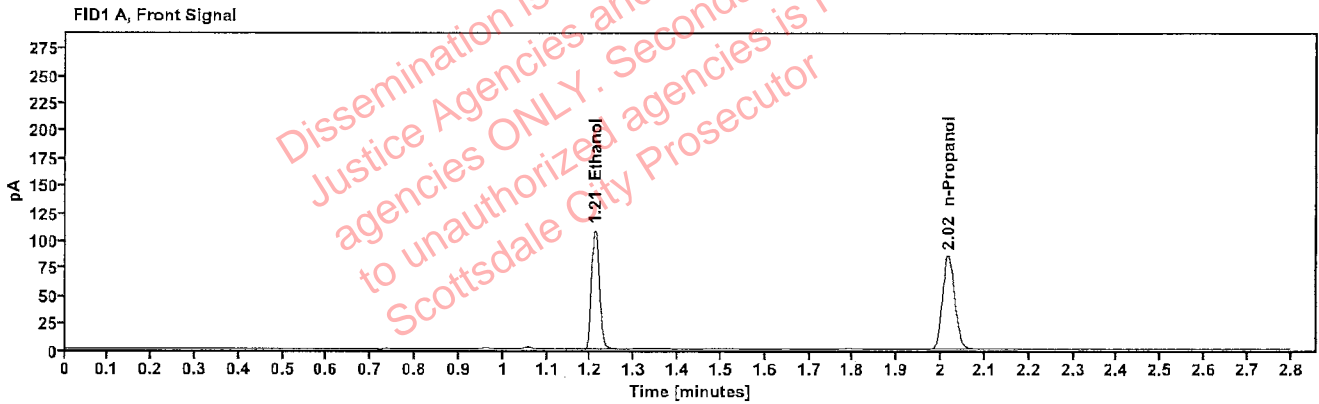


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2262	1.210	137.242
n-Propanol	---	2.017	170.220

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

Compound	Time (min)	Peak Area
Ethanol	1.355	150.091
n-Propanol	2.433	183.619

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221963-2	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:25:33 AM
Data file:	C:\Chem32\1\Data\25Nov22\12.D	Analyst:	Abbott

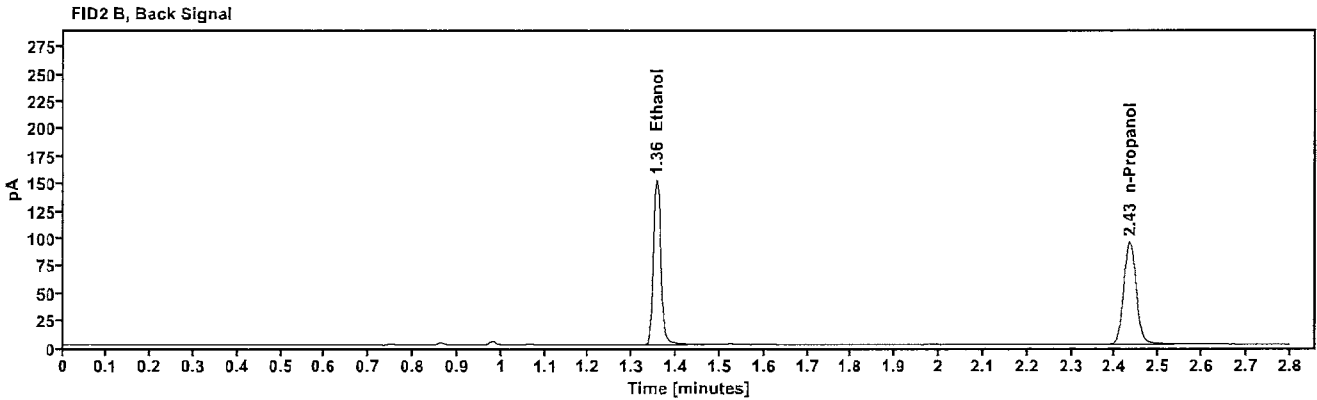
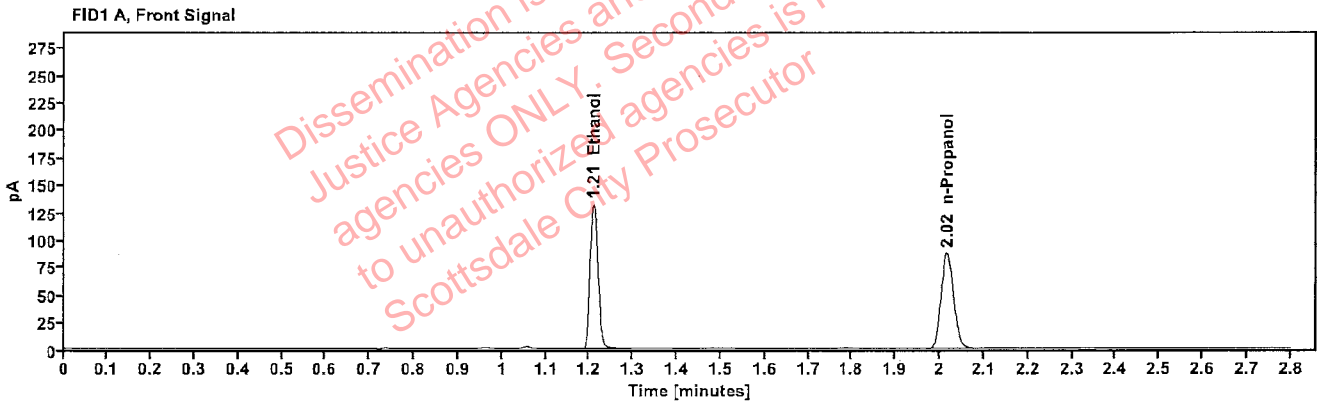


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2685	1.210	165.827
n-Propanol	-----	2.016	173.155

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

Compound	Time (min)	Peak Area
Ethanol	1.355	181.382
n-Propanol	2.433	186.492

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221963-2	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:29:47 AM
Data file:	C:\Chem32\1\Data\25Nov22\13.D	Analyst:	Abbott

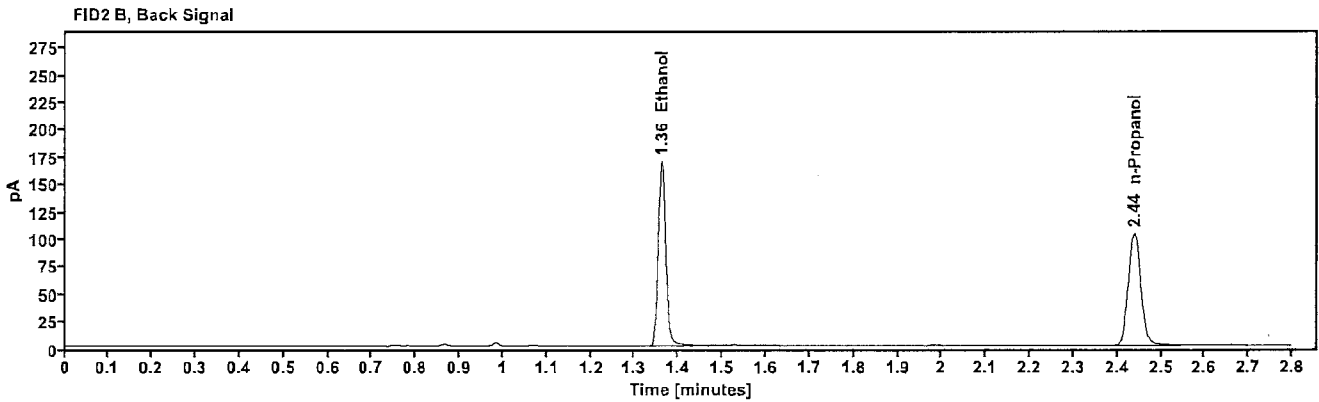
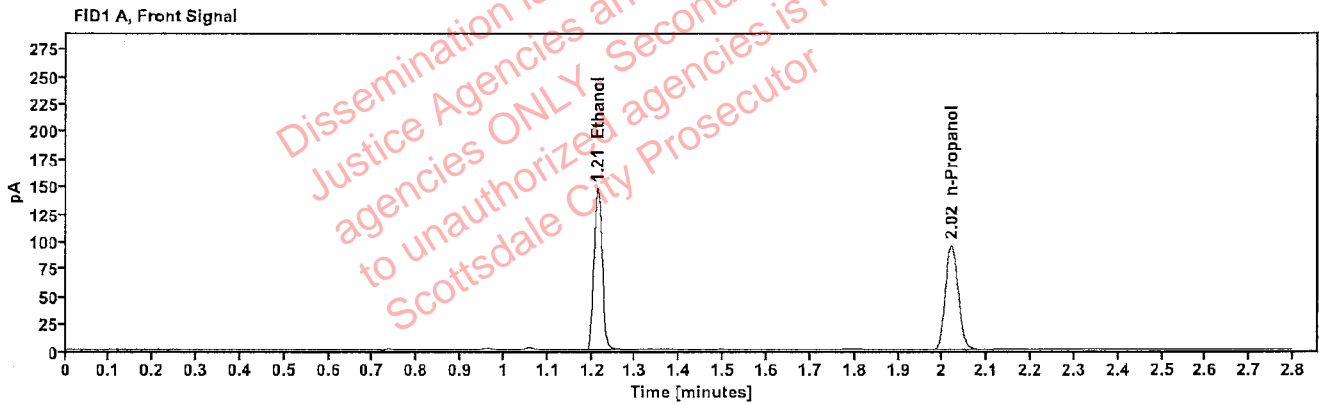


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2782	1.213	188.503
n-Propanol	-----	2.020	189.959

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

Compound	Time (min)	Peak Area
Ethanol	1.361	206.124
n-Propanol	2.439	204.245



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221907-2	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:33:48 AM
Data file:	C:\Chem32\11\Data\25Nov22\14.D	Analyst:	Abbott

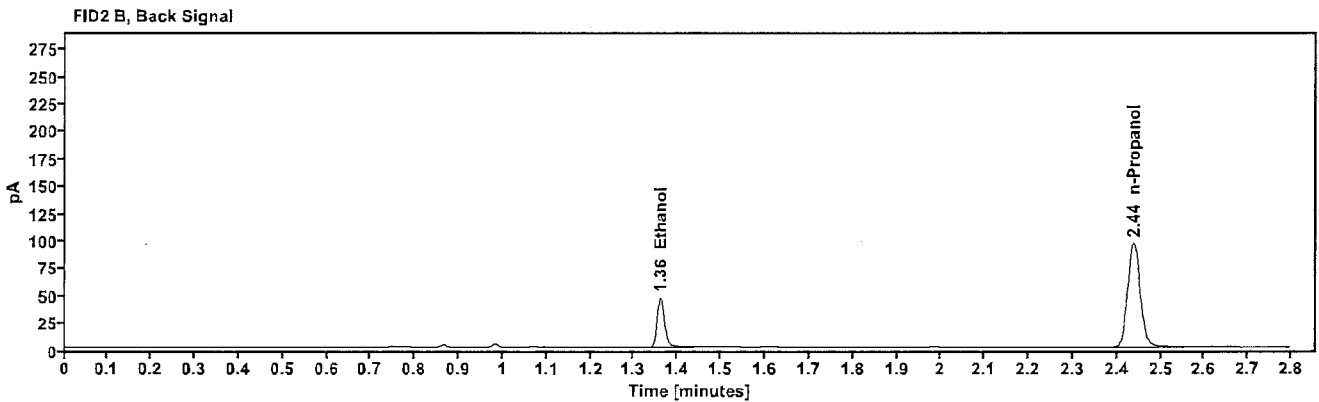
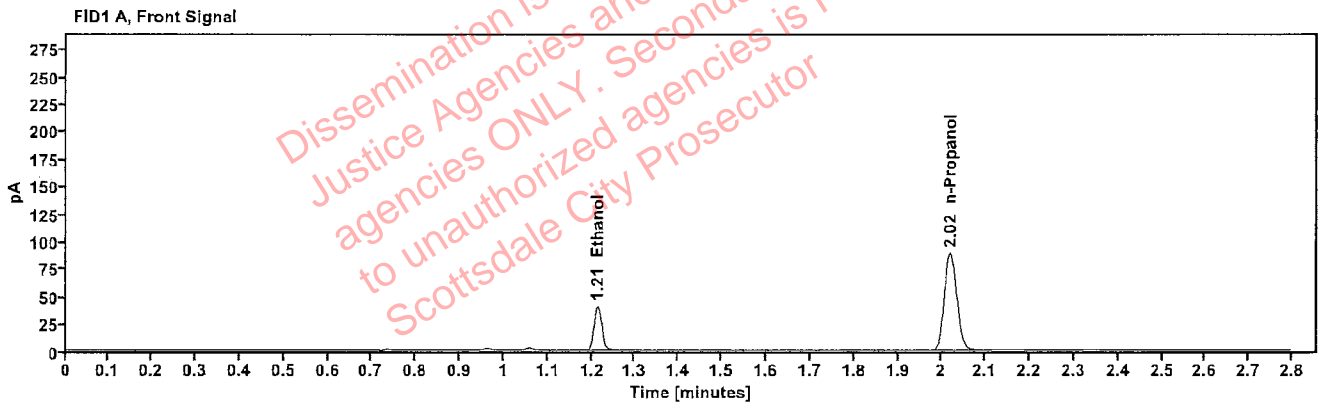


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0824	1.214	51.563
n-Propanol	-----	2.019	176.650

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

Compound	Time (min)	Peak Area
Ethanol	1.361	55.796
n-Propanol	2.438	190.959

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221907-2	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:37:48 AM
Data file:	C:\Chem32\1\Data\25Nov22\15.D	Analyst:	Abbott

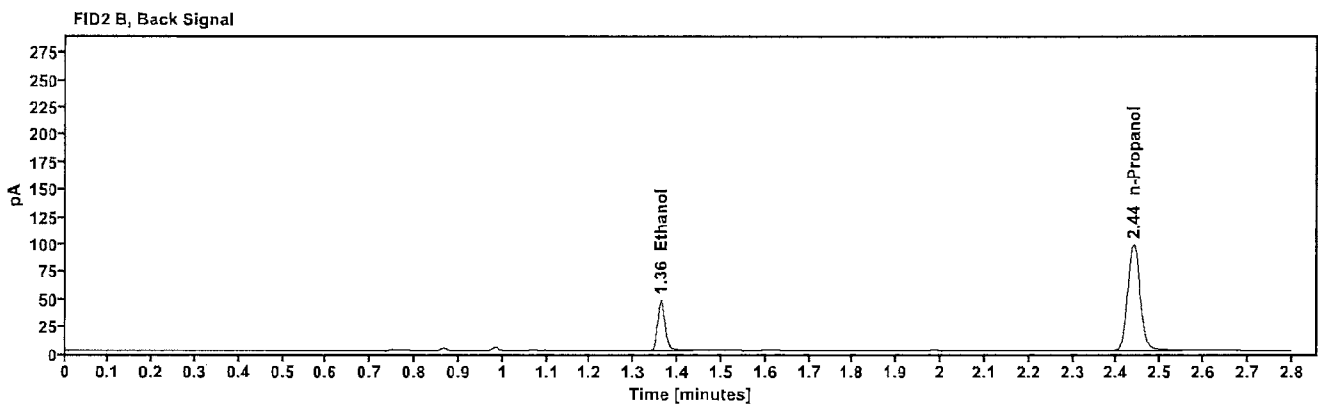
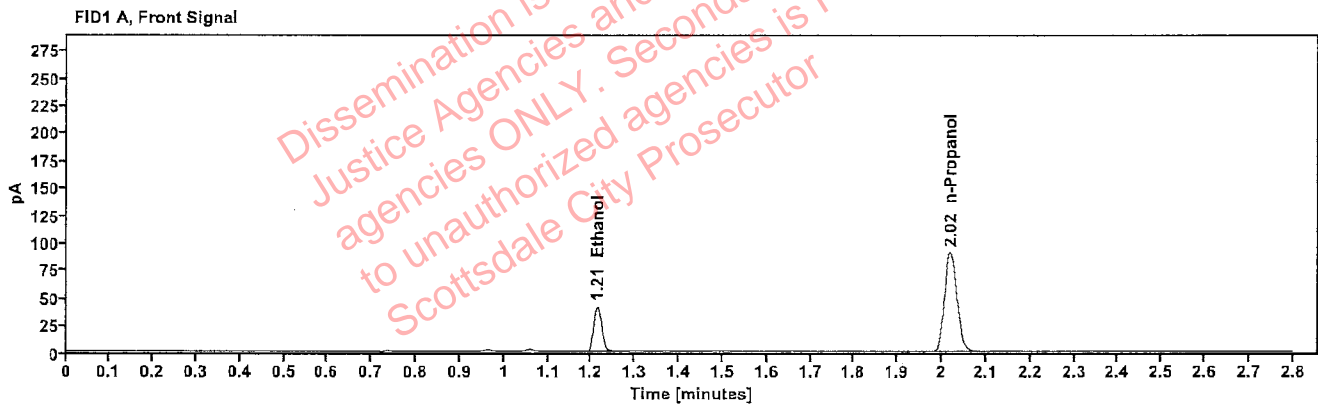


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0828	1.214	52.747
n-Propanol	----	2.020	179.815

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

Compound	Time (min)	Peak Area
Ethanol	1.361	57.066
n-Propanol	2.438	194.064

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 2221460-2 Vial: 16  
Description: LIMS ID:  
Method: ethanol quant.M Sequence: 25Nov22  
Instrument: US14173023 CN14160045 Injection date: 11/25/2022 11:41:47 AM  
Data file: C:\Chem32\1\Data\25Nov22\16.D Analyst: Abbott

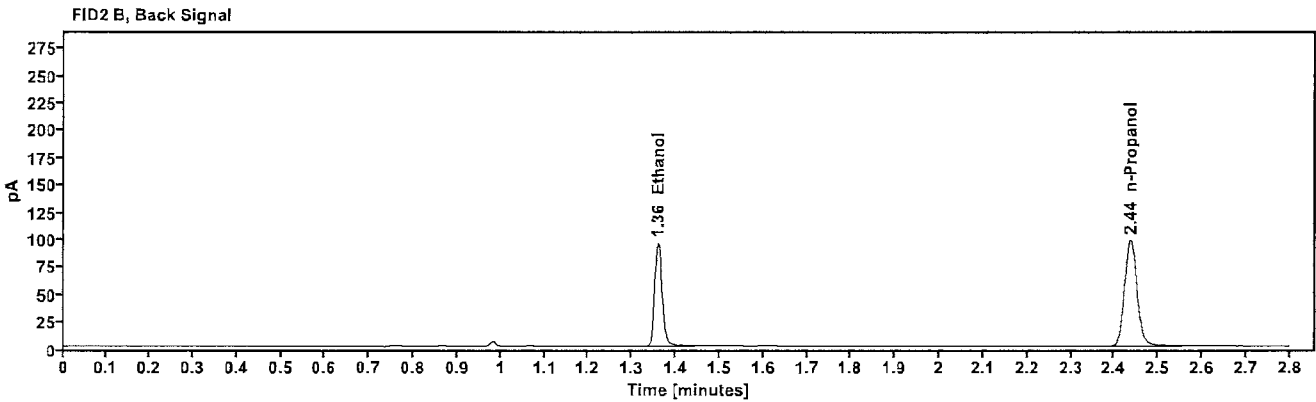
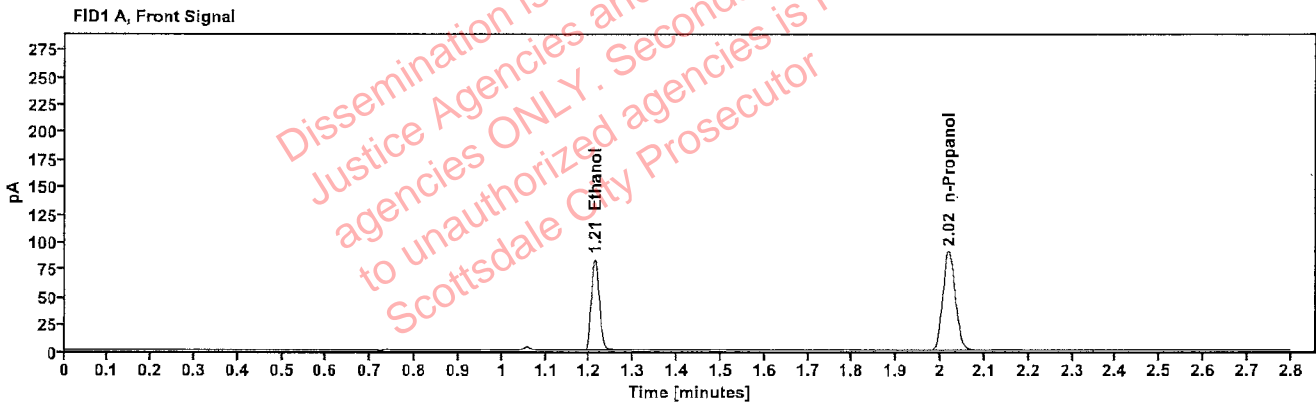


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1654	1.212	105.589
n-Propanol	-----	2.018	179.331

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

Compound	Time (min)	Peak Area
Ethanol	1.359	115.007
n-Propanol	2.437	193.515

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221460-2	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:45:48 AM
Data file:	C:\Chem32\1\Data\25Nov22\17.D	Analyst:	Abbott

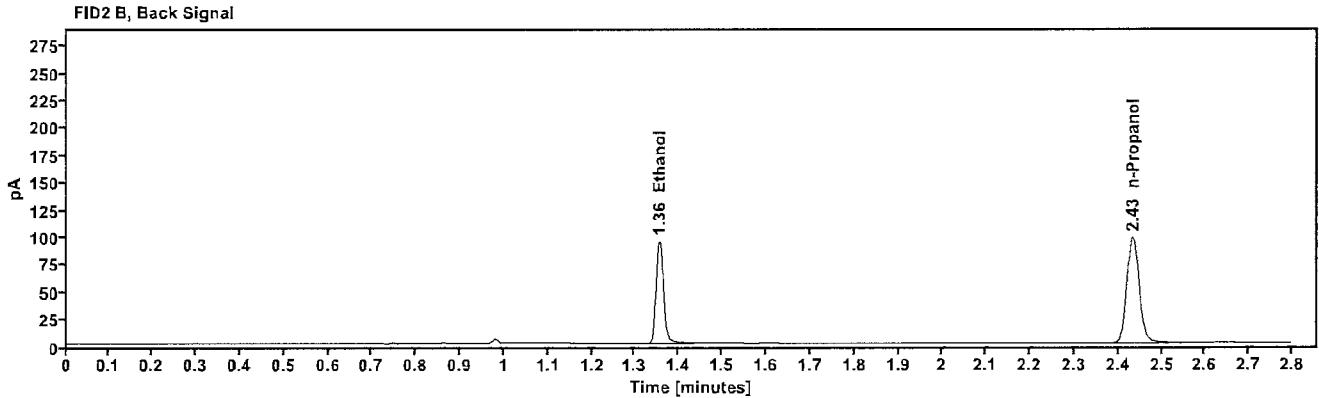
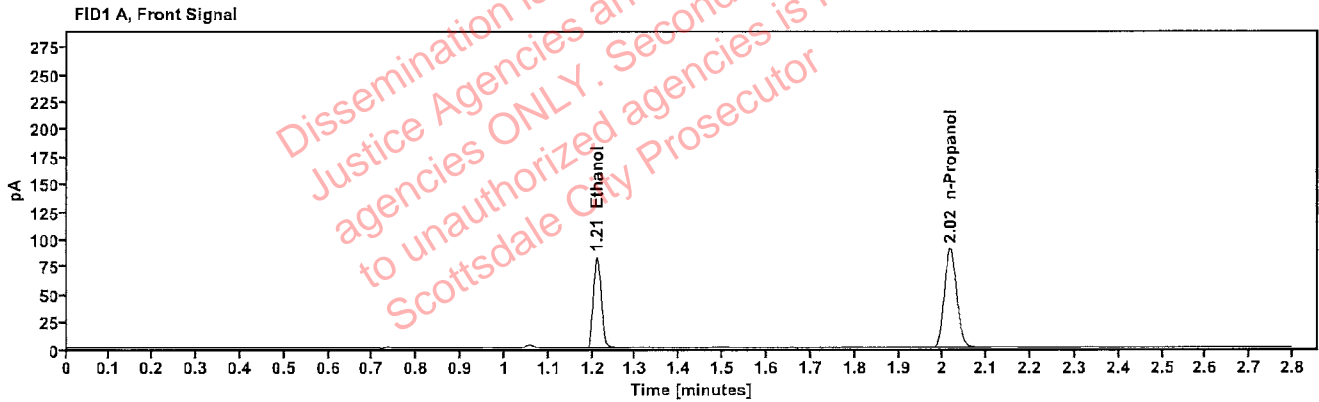


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1633	1.210	103.784
n-Propanol	-----	2.016	178.549

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

Compound	Time (min)	Peak Area
Ethanol	1.356	112.780
n-Propanol	2.433	192.910

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221977-2	Vial:	18
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:49:47 AM
Data file:	C:\Chem32\1\Data\25Nov22\18.D	Analyst:	Abbott

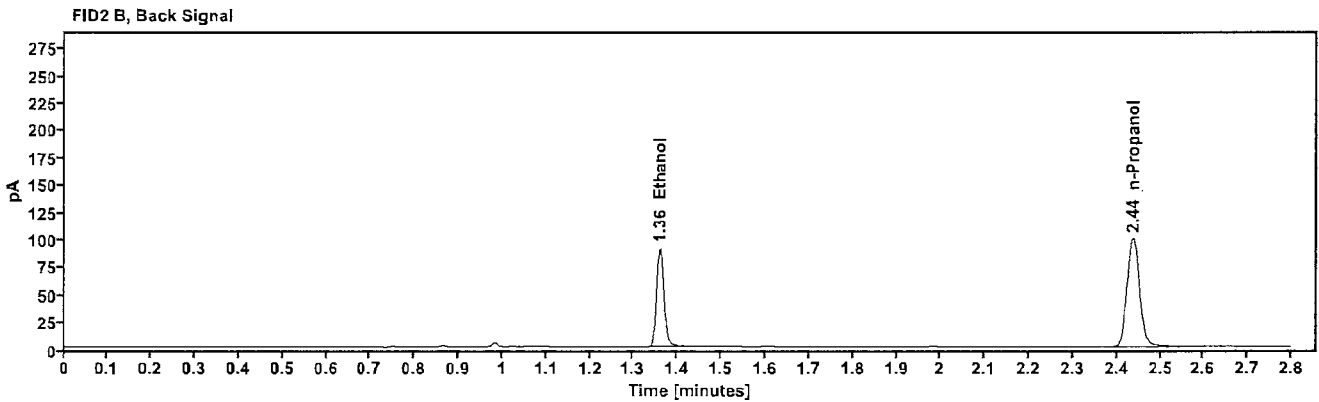
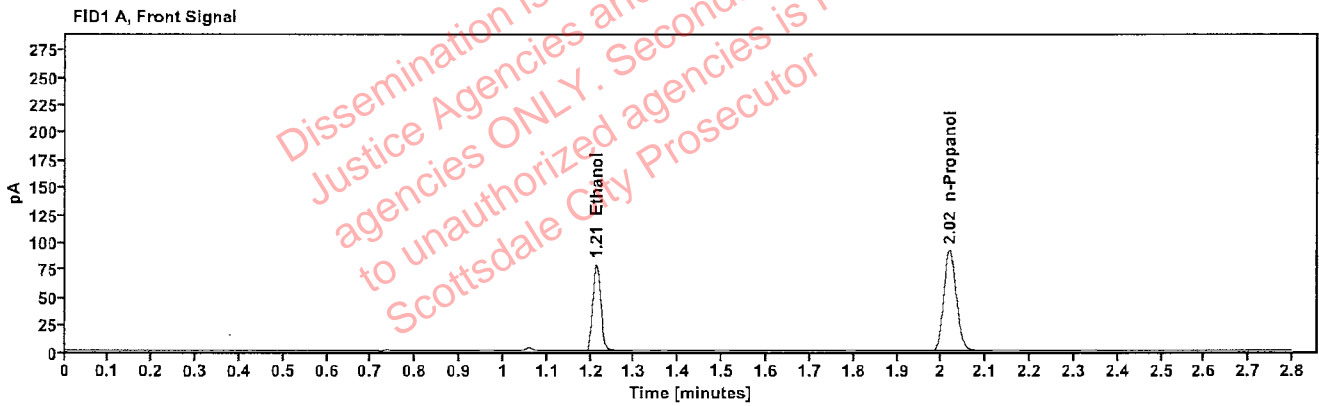


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1556	1.213	100.967
n-Propanol	-----	2.019	182.377

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

Compound	Time (min)	Peak Area
Ethanol	1.360	109.649
n-Propanol	2.437	196.700

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221977-2	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 11:54:02 AM
Data file:	C:\Chem32\1\Data\25Nov22\19.D	Analyst:	Abbott

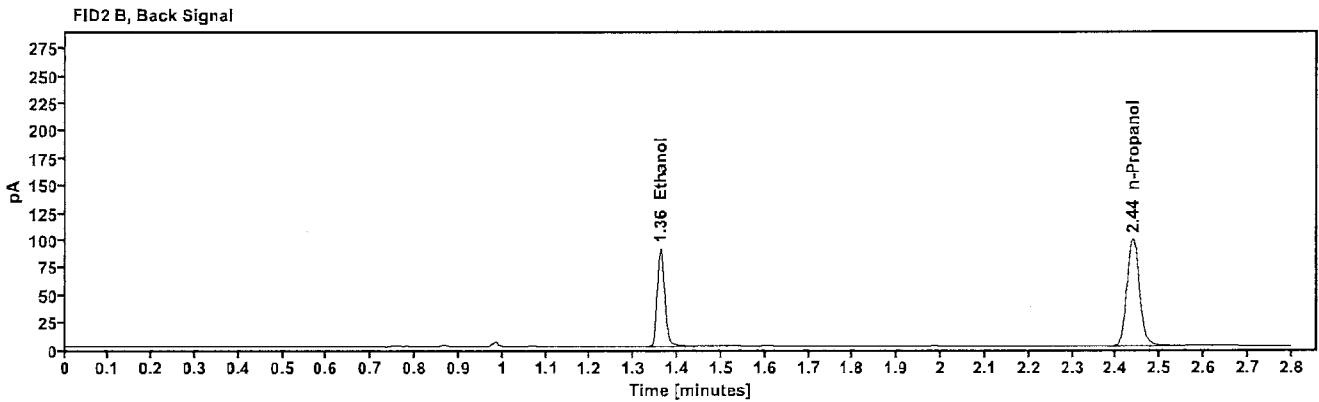
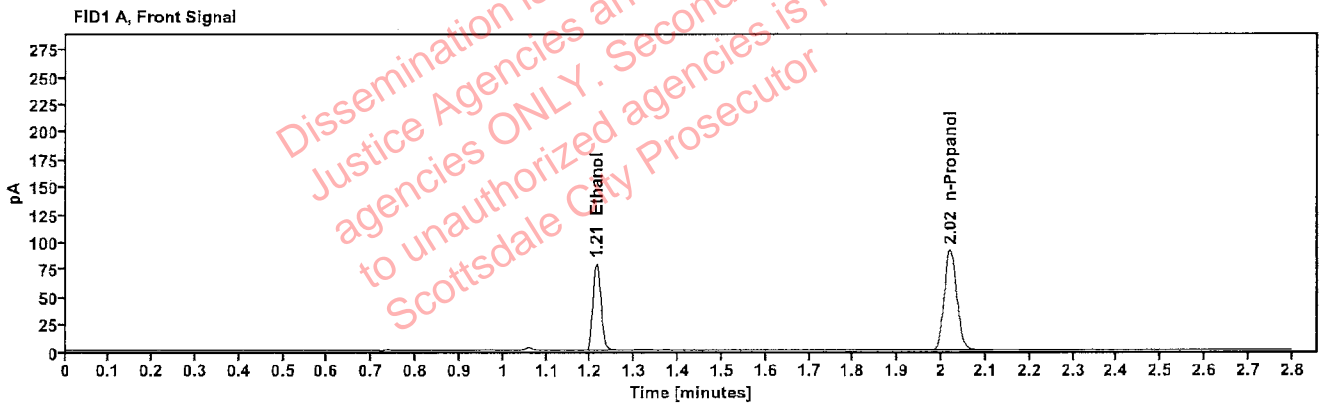


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1561	1.213	101.073
n-Propanol	-----	2.019	181.960

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

Compound	Time (min)	Peak Area
Ethanol	1.361	109.849
n-Propanol	2.438	196.338

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	405-01L.M.	Vial:	21
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:02:03 PM
Data file:	C:\Chem32\1\Data\25Nov22\21.D	Analyst:	Abbott

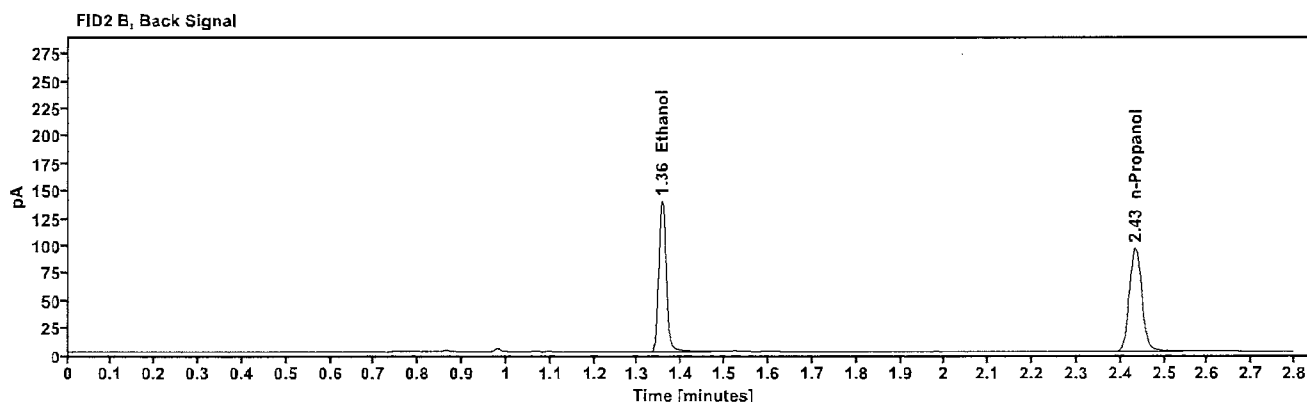
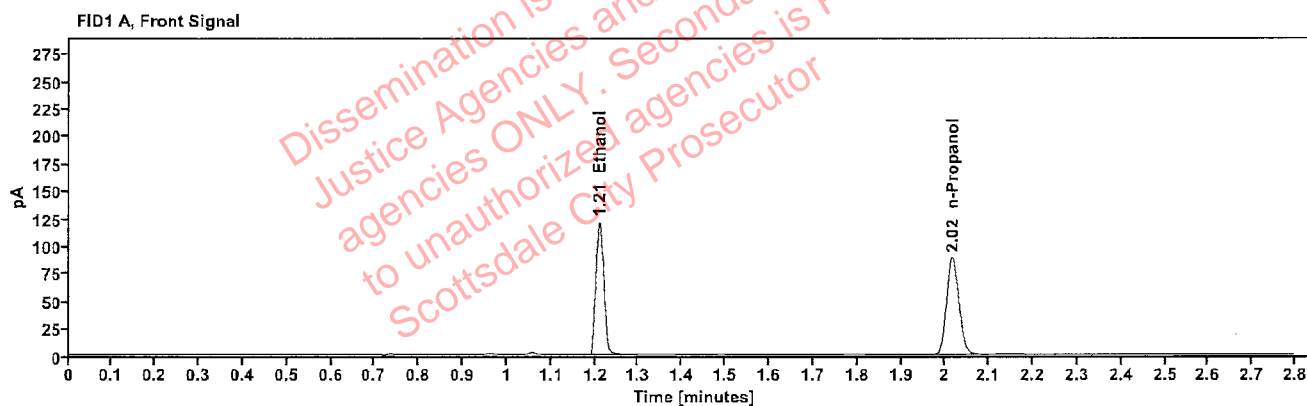


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2433	1.210	152.188
n-Propanol	-----	2.016	175.383

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

Compound	Time (min)	Peak Area
Ethanol	1.355	166.531
n-Propanol	2.433	188.850

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	405-01L.M.	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:06:03 PM
Data file:	C:\Chem32\1\Data\25Nov22\22.D	Analyst:	Abbott

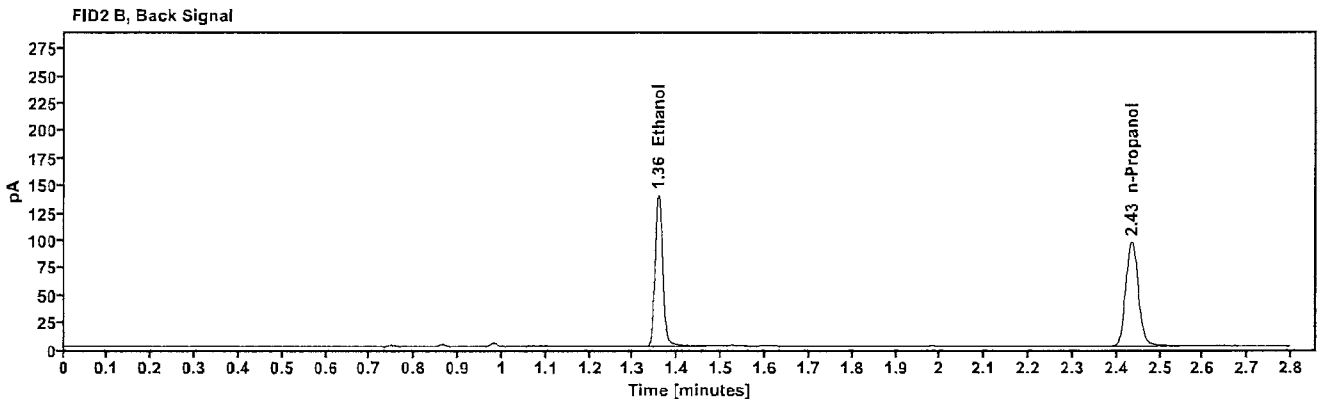
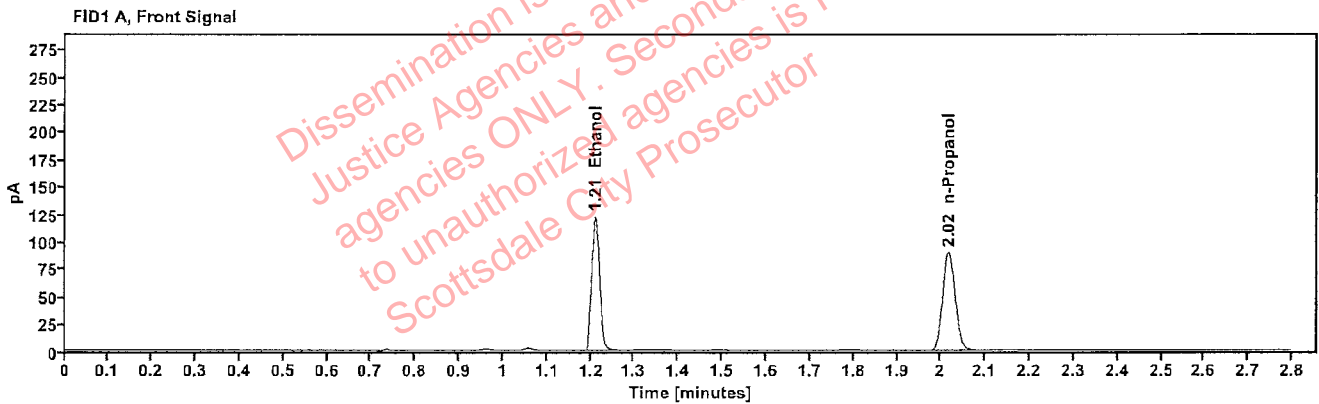


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2434	1.211	154.340
n-Propanol	-----	2.017	177.786

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

Compound	Time (min)	Peak Area
Ethanol	1.357	168.713
n-Propanol	2.435	191.334



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	382-01A.G.	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:10:02 PM
Data file:	C:\Chem32\1\Data\25Nov22\23.D	Analyst:	Abbott

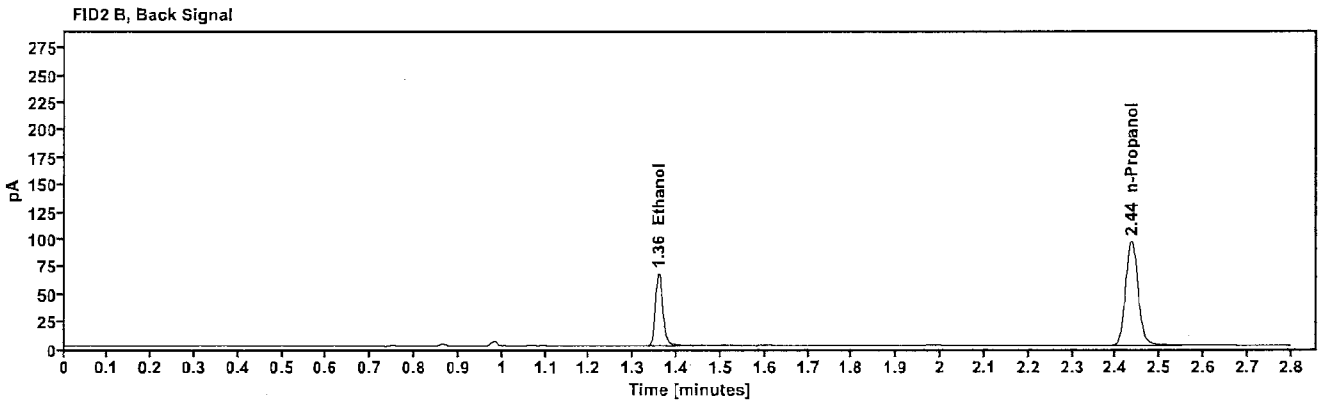
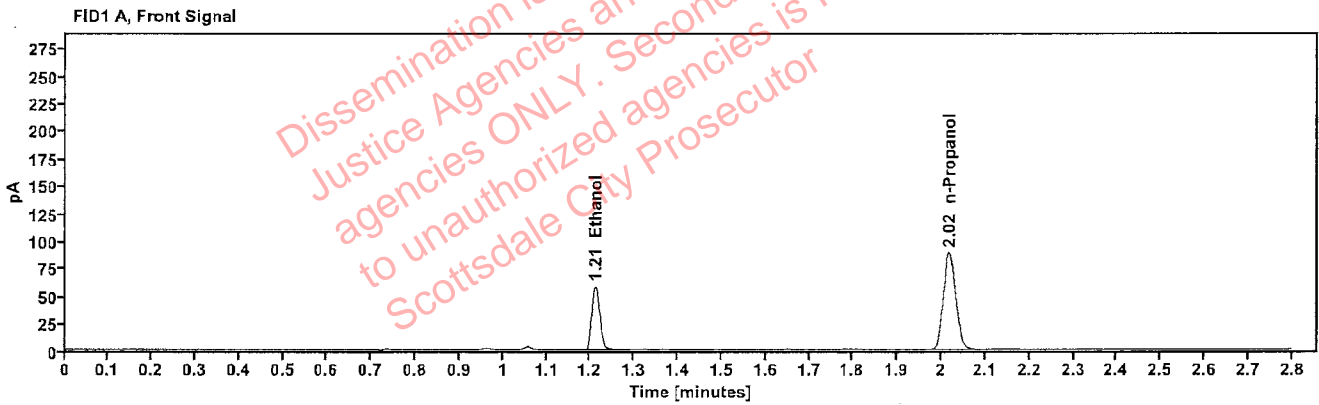


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1179	1.212	73.794
n-Propanol	-----	2.018	176.263

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

Compound	Time (min)	Peak Area
Ethanol	1.358	80.152
n-Propanol	2.435	190.464

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	382-01A.G.	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:14:02 PM
Data file:	C:\Chem32\1\Data\25Nov22\24.D	Analyst:	Abbott

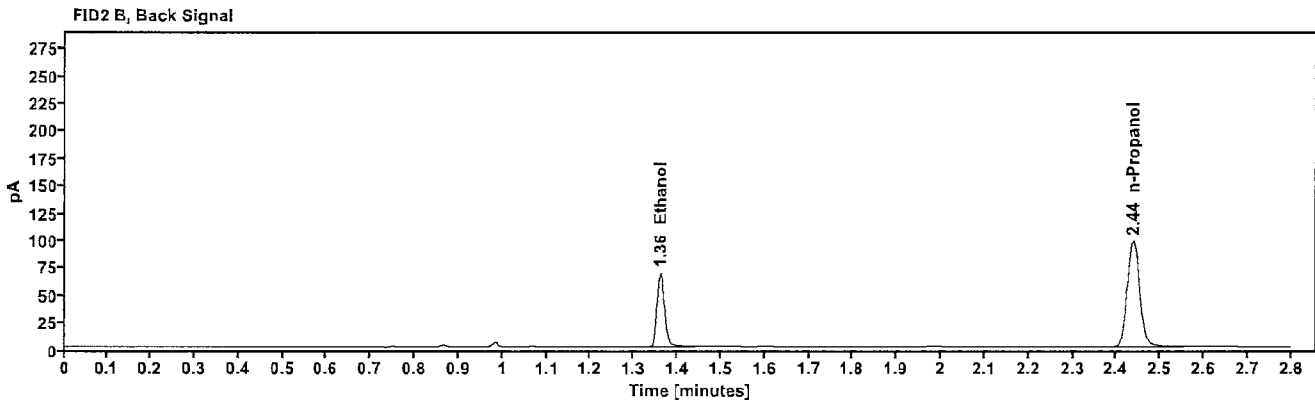
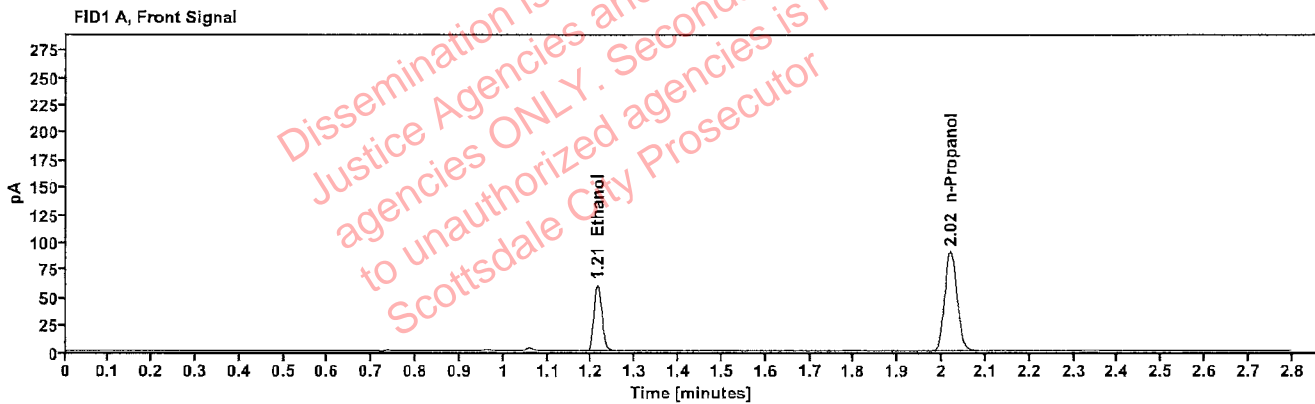


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1199	1.213	76.427
n-Propanol	-----	2.019	179.392

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

Compound	Time (min)	Peak Area
Ethanol	1.360	82.817
n-Propanol	2.438	193.699

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221584-3	Vial:	25
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:18:18 PM
Data file:	C:\Chem32\1\Data\25Nov22\25.D	Analyst:	Abbott

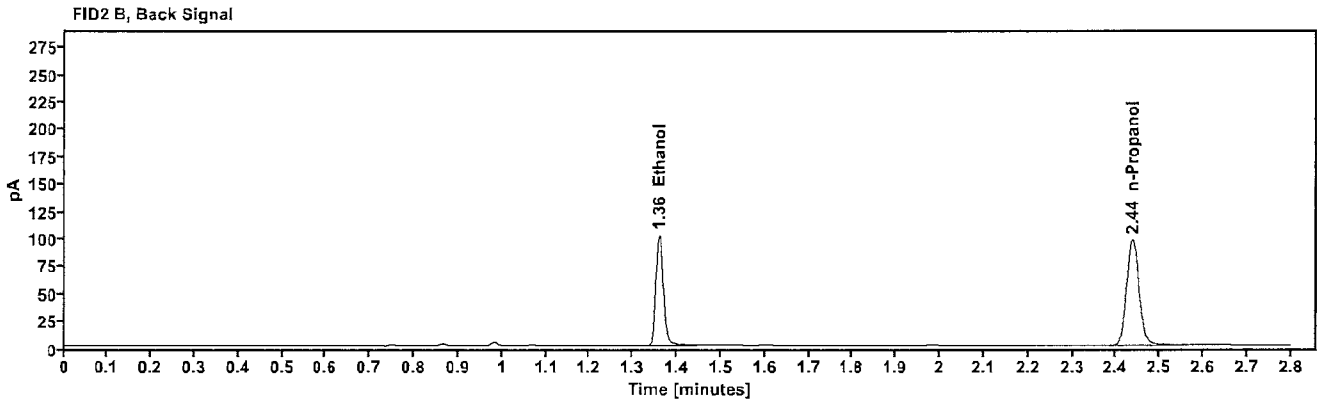
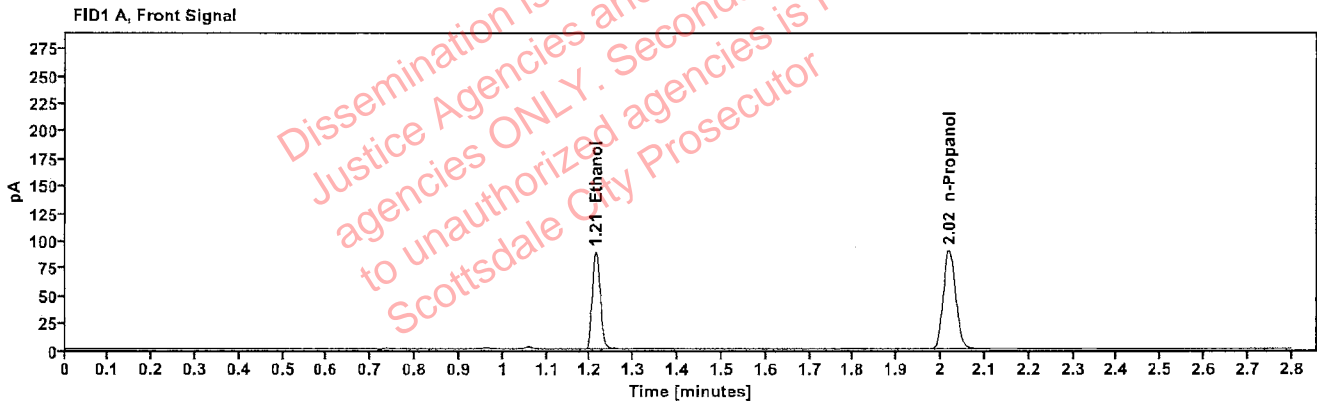


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1781	1.212	113.511
n-Propanol	-----	2.019	178.999

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

Compound	Time (min)	Peak Area
Ethanol	1.360	123.192
n-Propanol	2.437	192.957

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221584-3	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:22:18 PM
Data file:	C:\Chem32\1\Data\25Nov22\26.D	Analyst:	Abbott

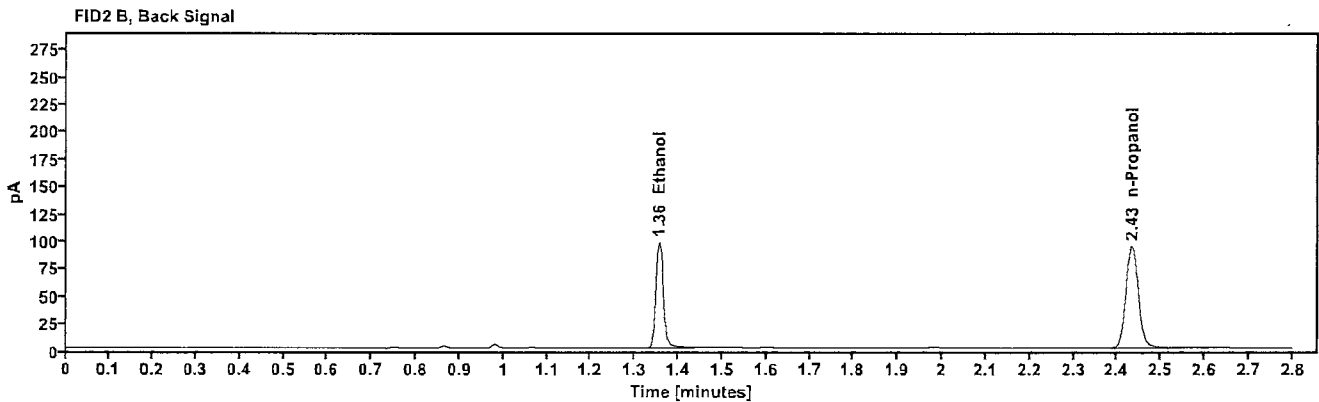
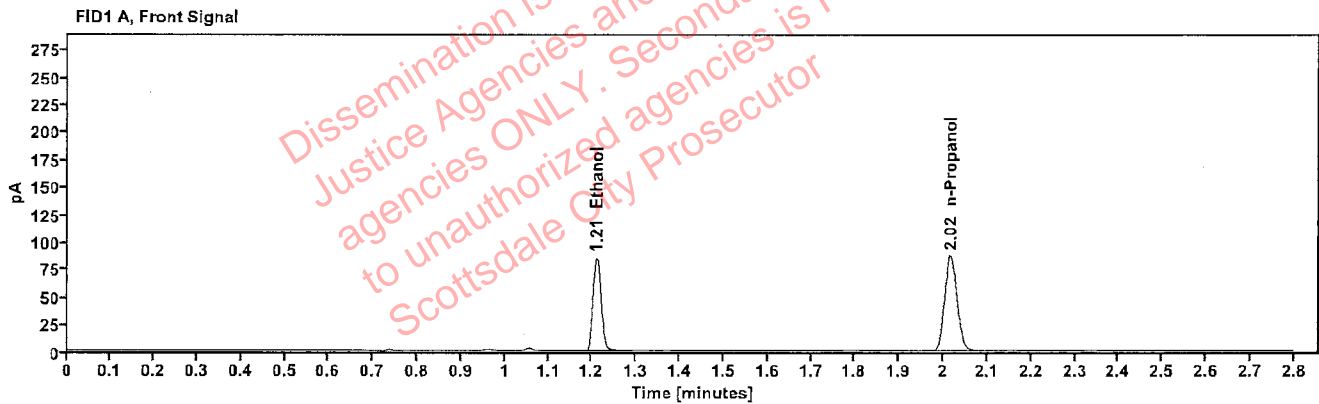


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1739	1.210	106.988
n-Propanol	-----	2.016	172.753

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

Compound	Time (min)	Peak Area
Ethanol	1.355	116.305
n-Propanol	2.433	186.473

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222150-2	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:26:17 PM
Data file:	C:\Chem32\1\Data\25Nov22\27.D	Analyst:	Abbott

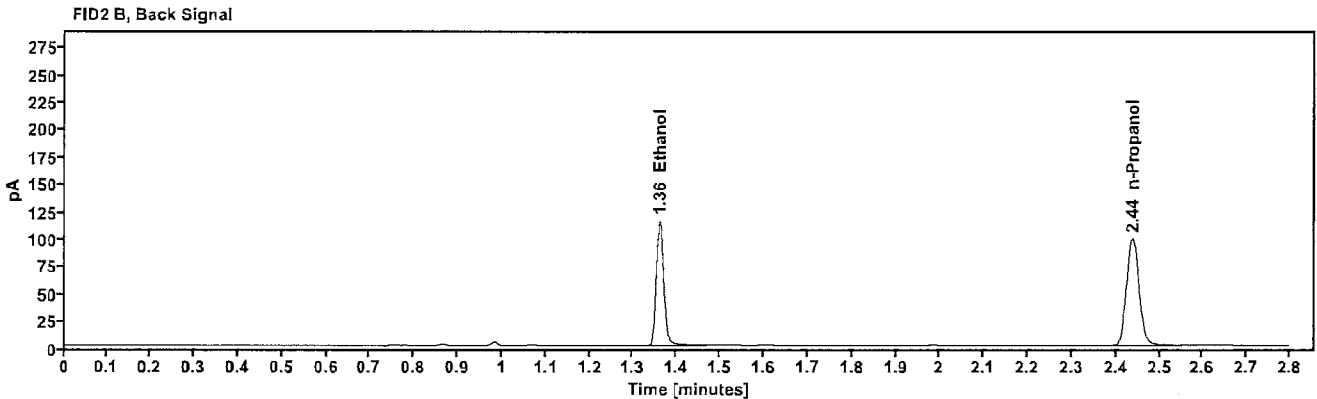
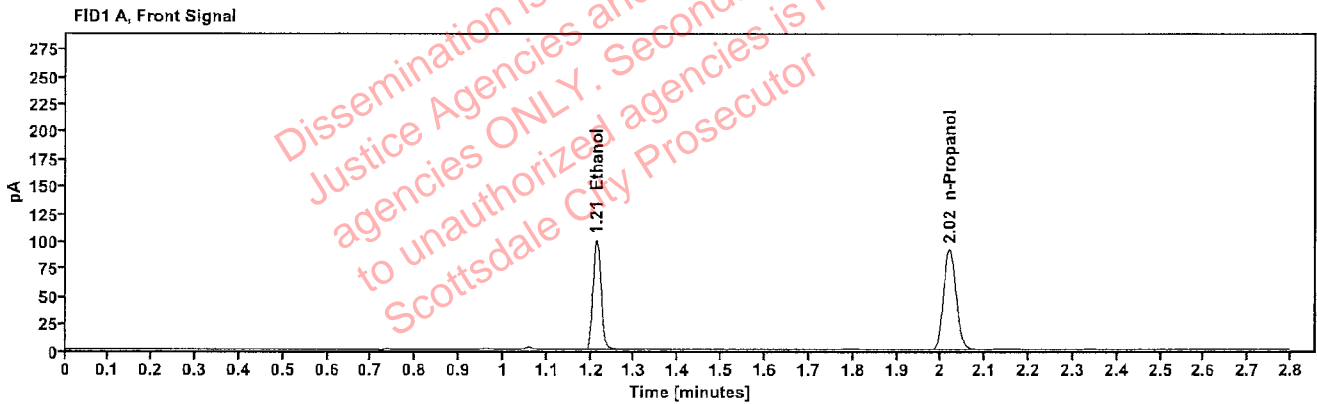


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1968	1.213	128.544
n-Propanol	-----	2.019	183.316

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

Compound	Time (min)	Peak Area
Ethanol	1.360	140.469
n-Propanol	2.438	197.522

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222150-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:30:18 PM
Data file:	C:\Chem32\1\Data\25Nov22\28.D	Analyst:	Abbott

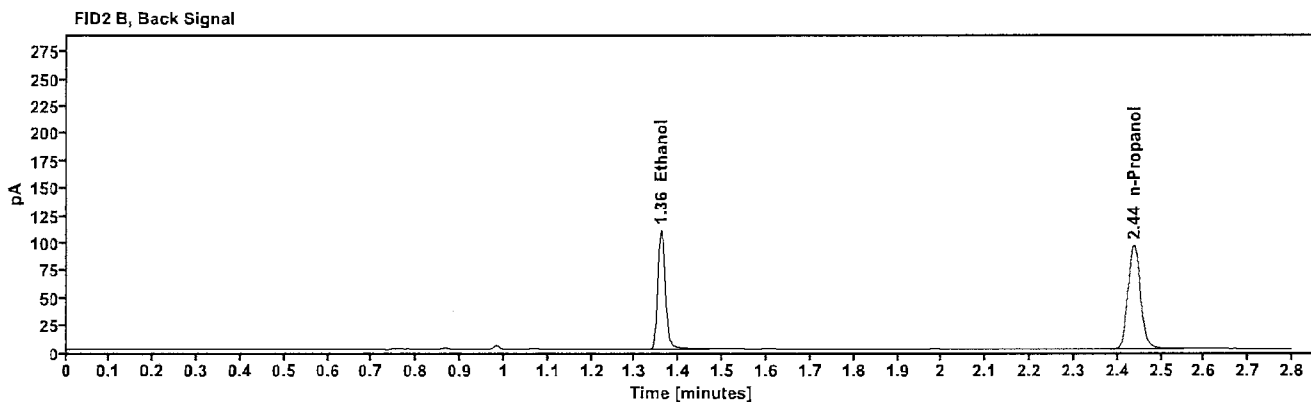
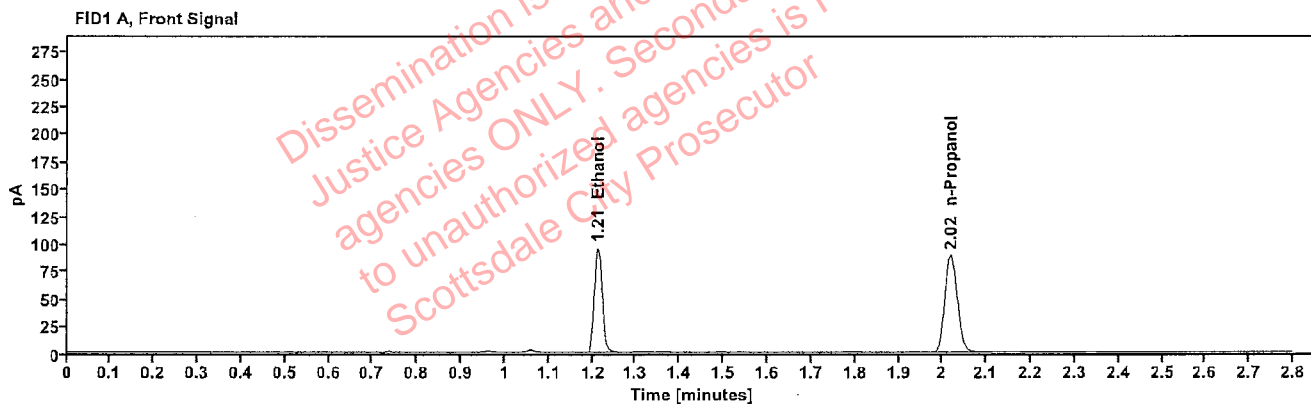


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1941	1.212	121.894
n-Propanol	-----	2.019	176.249

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

Compound	Time (min)	Peak Area
Ethanol	1.360	133.147
n-Propanol	2.437	190.211

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222014-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:34:18 PM
Data file:	C:\Chem32\1\Data\25Nov22\29.D	Analyst:	Abbott

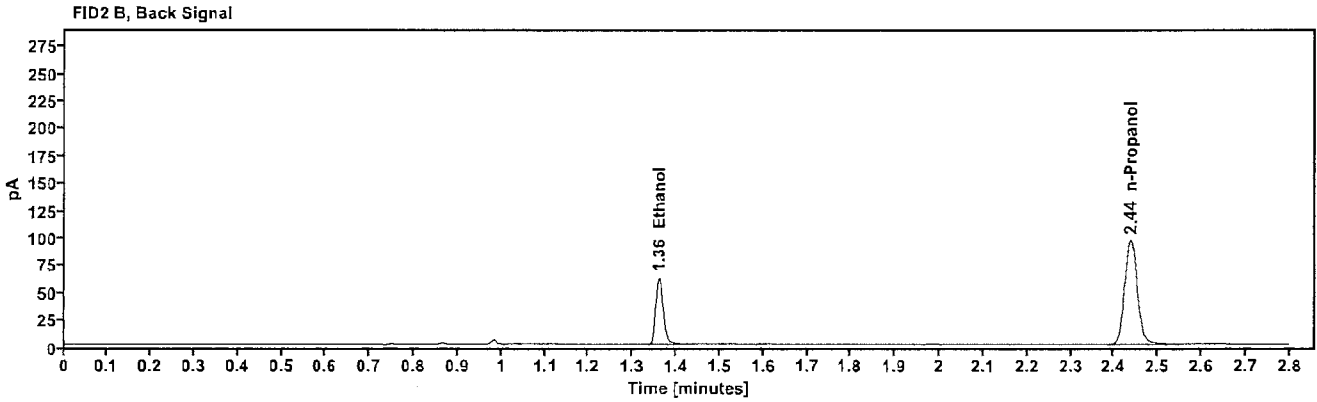
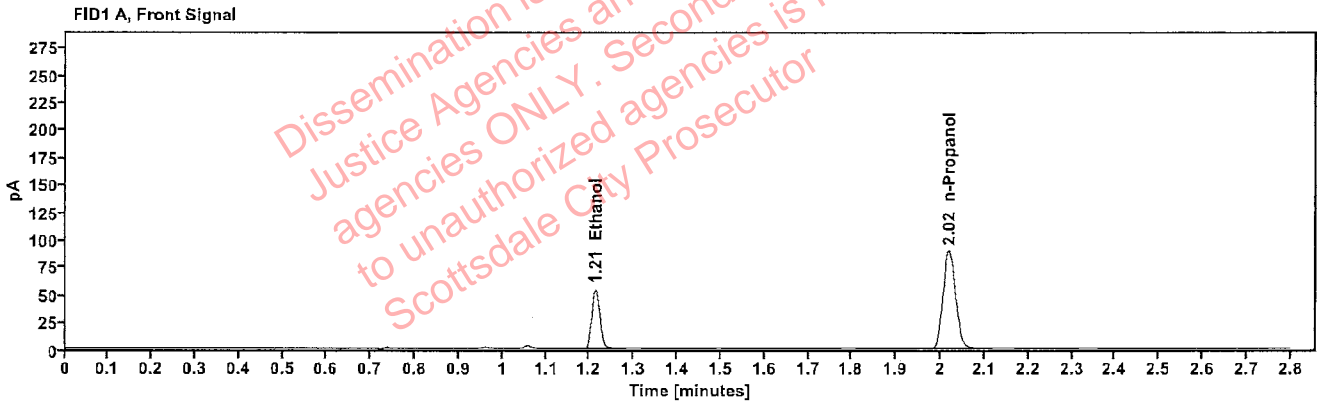


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1097	1.213	69.178
n-Propanol	---	2.019	177.661

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

Compound	Time (min)	Peak Area
Ethanol	1.360	75.040
n-Propanol	2.438	191.837

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222014-2	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:38:18 PM
Data file:	C:\Chem32\11\Data\25Nov22\30.D	Analyst:	Abbott

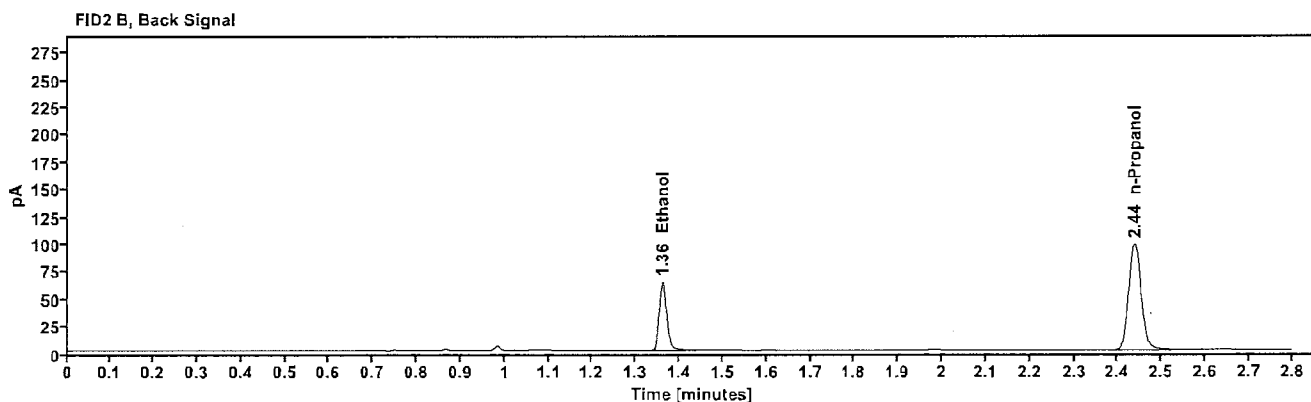
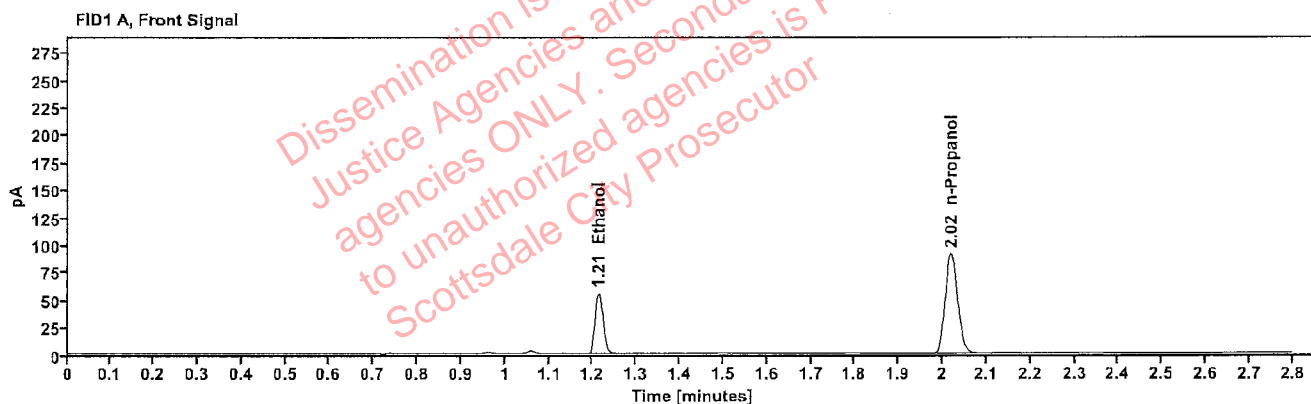


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1105	1.213	70.711
n-Propanol	-----	2.019	180.295

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

Compound	Time (min)	Peak Area
Ethanol	1.361	76.442
n-Propanol	2.438	194.675



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221905-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:46:33 PM
Data file:	C:\Chem32\1\Data\25Nov22\32.D	Analyst:	Abbott

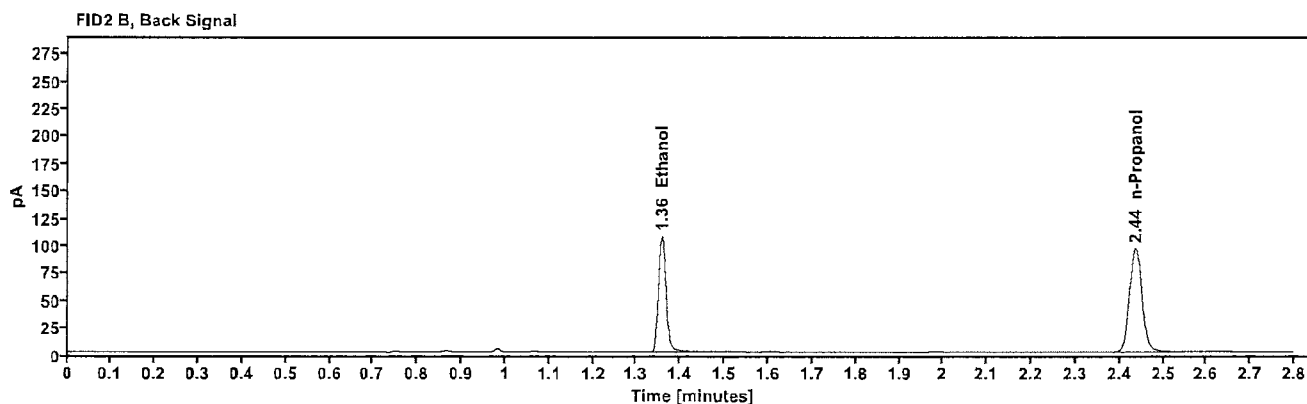
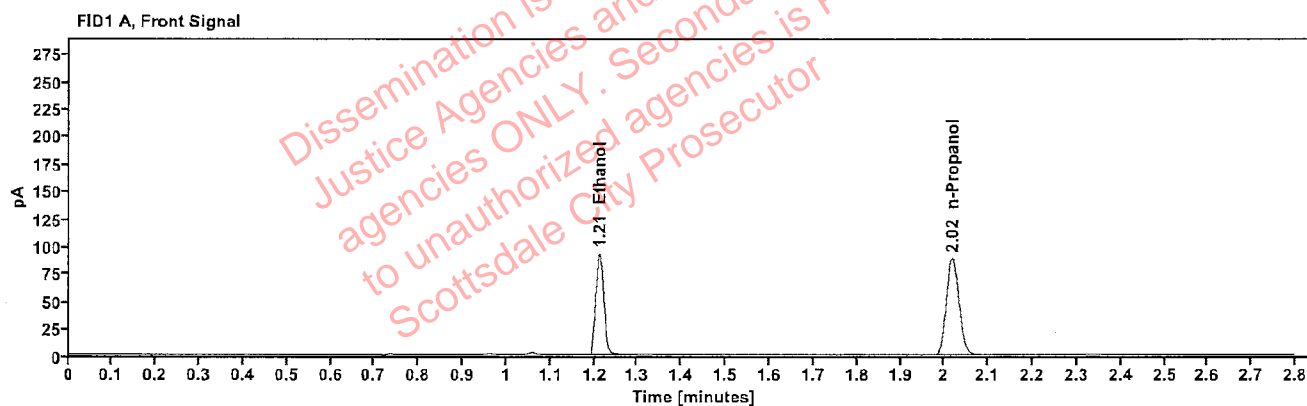


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1890	1.212	118.545
n-Propanol	-----	2.018	176.116

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

Compound	Time (min)	Peak Area
Ethanol	1.358	129.361
n-Propanol	2.436	189.884

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221905-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:50:33 PM
Data file:	C:\Chem32\1\Data\25Nov22\33.D	Analyst:	Abbott

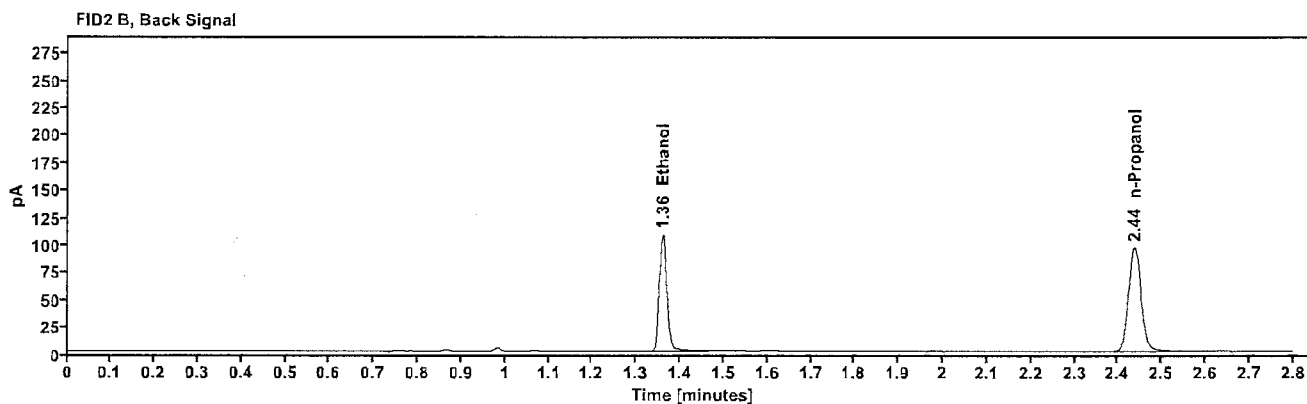
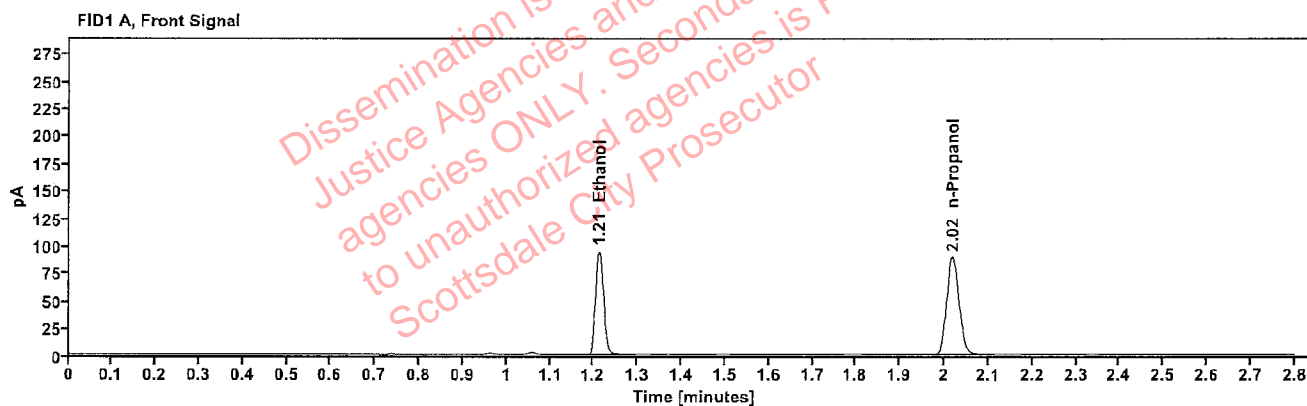


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1910	1.212	120.481
n-Propanol	-----	2.019	177.035

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

Compound	Time (min)	Peak Area
Ethanol	1.360	131.399
n-Propanol	2.437	190.840

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221966-2	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:54:33 PM
Data file:	C:\Chem32\1\Data\25Nov22\34.D	Analyst:	Abbott

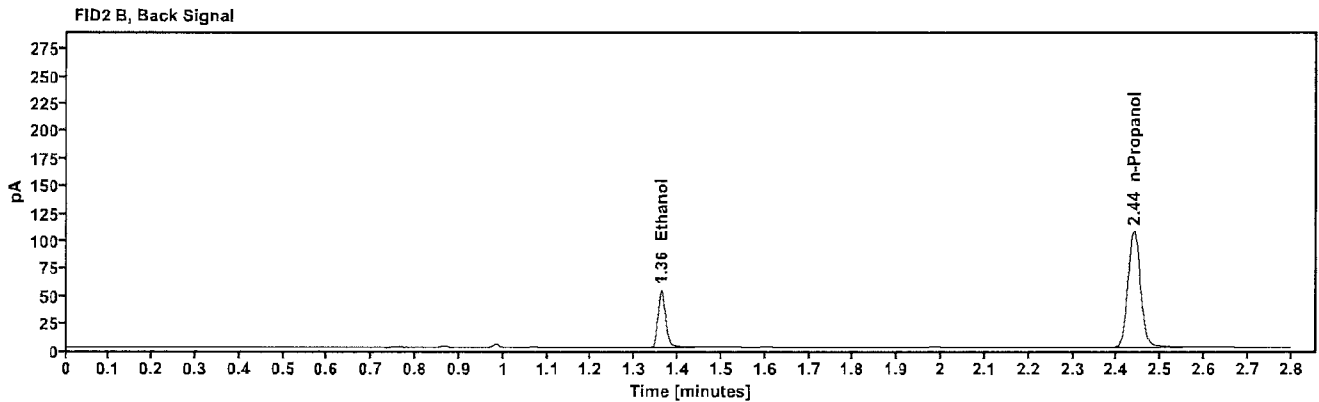
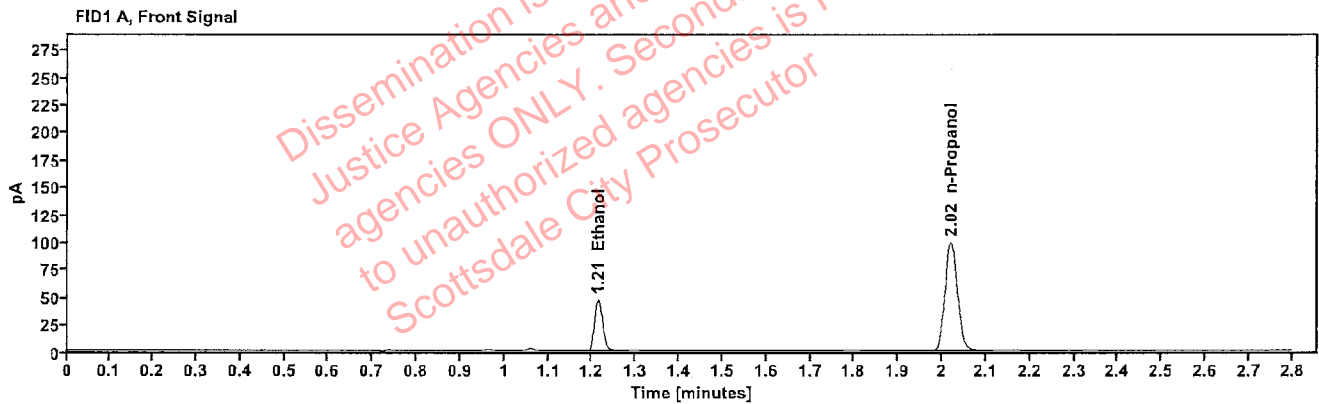


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0854	1.214	59.516
n-Propanol	-----	2.020	196.697

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

Compound	Time (min)	Peak Area
Ethanol	1.361	64.441
n-Propanol	2.439	212.071

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221966-2	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 12:58:33 PM
Data file:	C:\Chem32\1\Data\25Nov22\35.D	Analyst:	Abbott

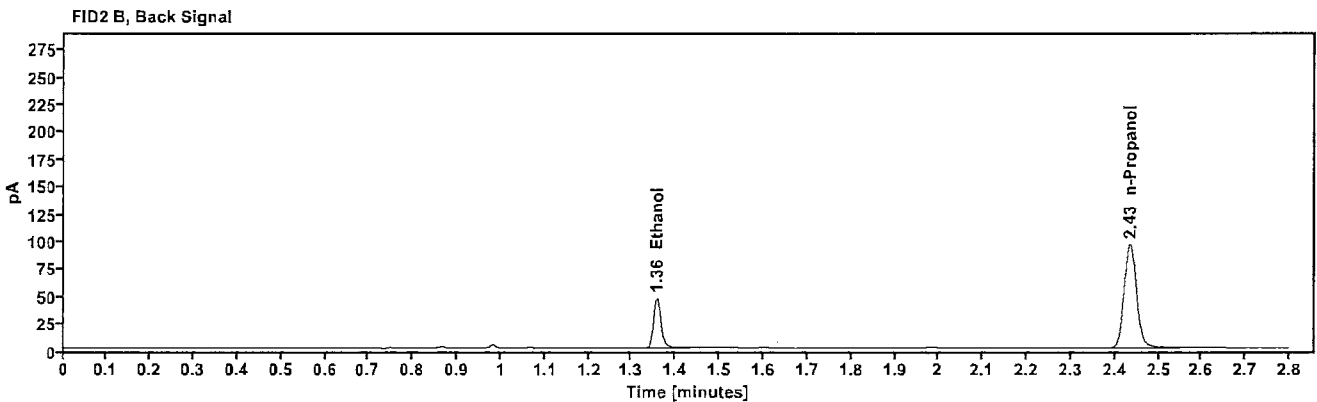
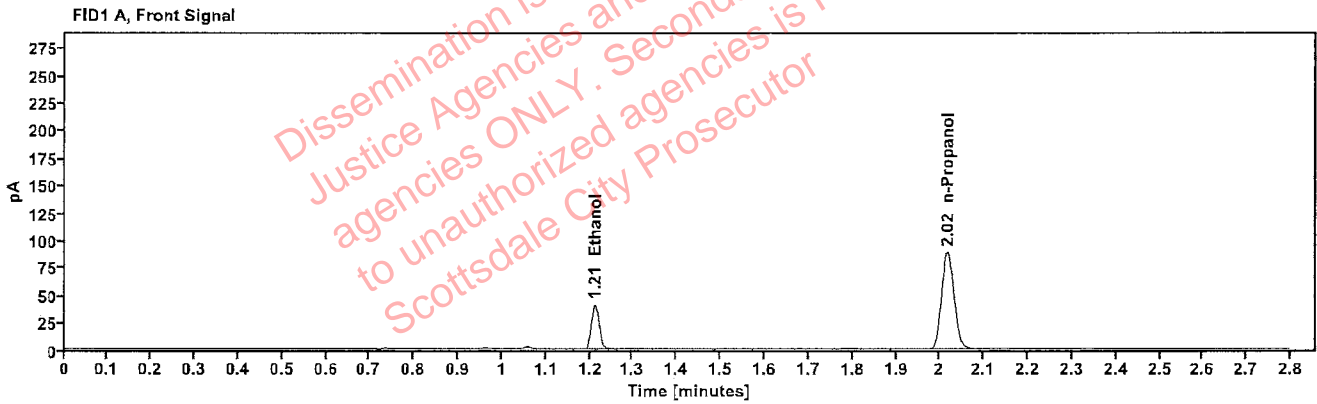


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0828	1.212	51.658
n-Propanol	-----	2.017	176.087

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

Compound	Time (min)	Peak Area
Ethanol	1.357	55.832
n-Propanol	2.435	190.119

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222215-4	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 1:02:33 PM
Data file:	C:\Chem32\1\Data\25Nov22\36.D	Analyst:	Abbott

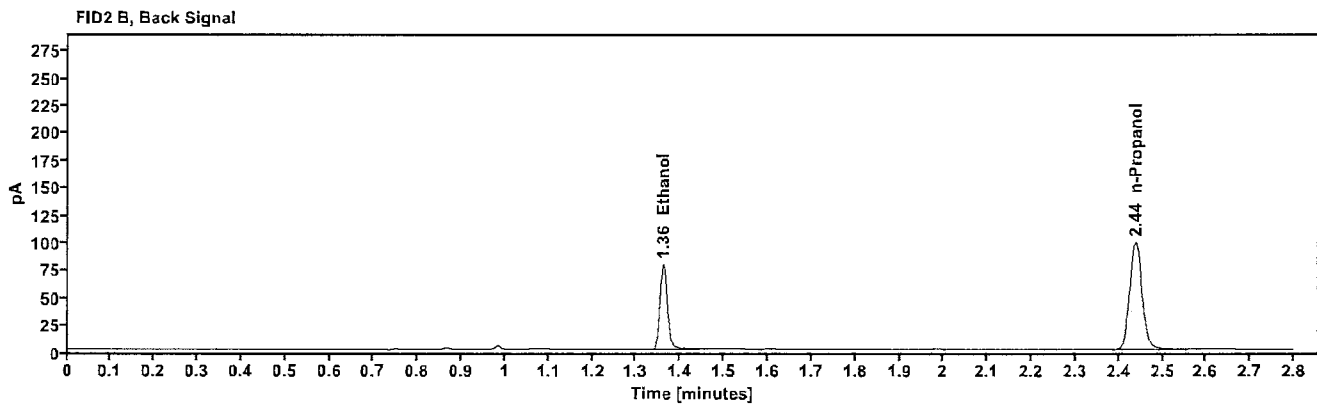
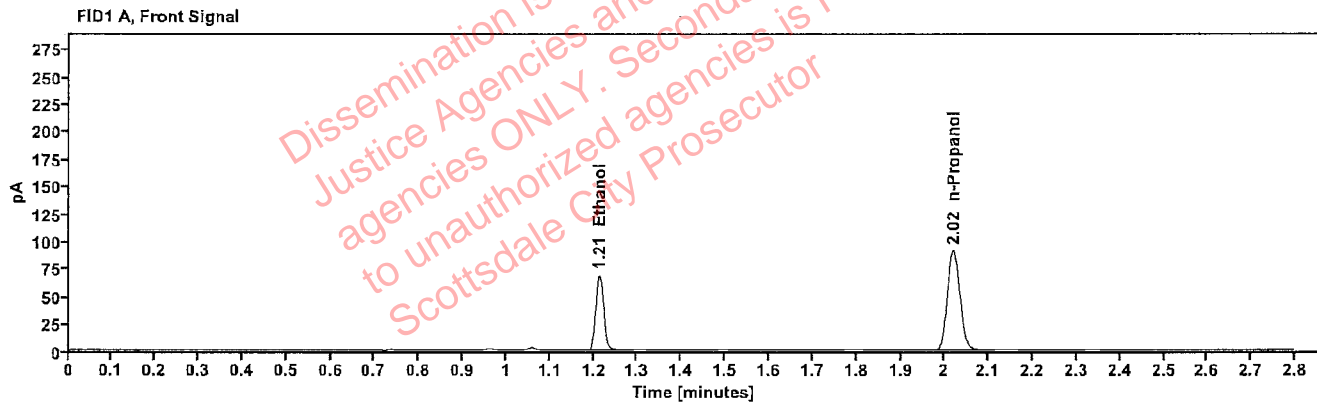


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1359	1.213	87.627
n-Propanol	---	2.020	181.347

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

Compound	Time (min)	Peak Area
Ethanol	1.361	95.145
n-Propanol	2.438	195.885

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222215-4	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 1:06:48 PM
Data file:	C:\Chem32\1\Data\25Nov22\37.D	Analyst:	Abbott

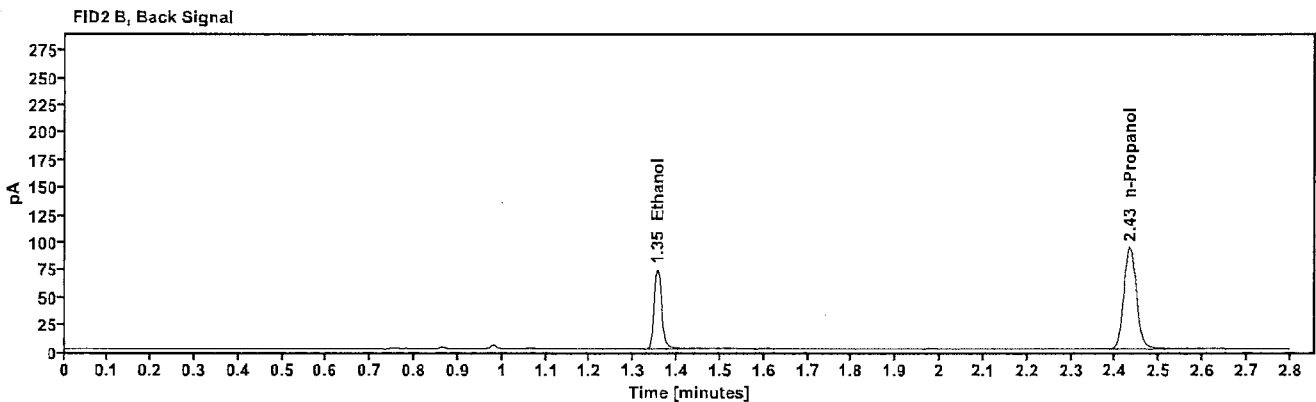
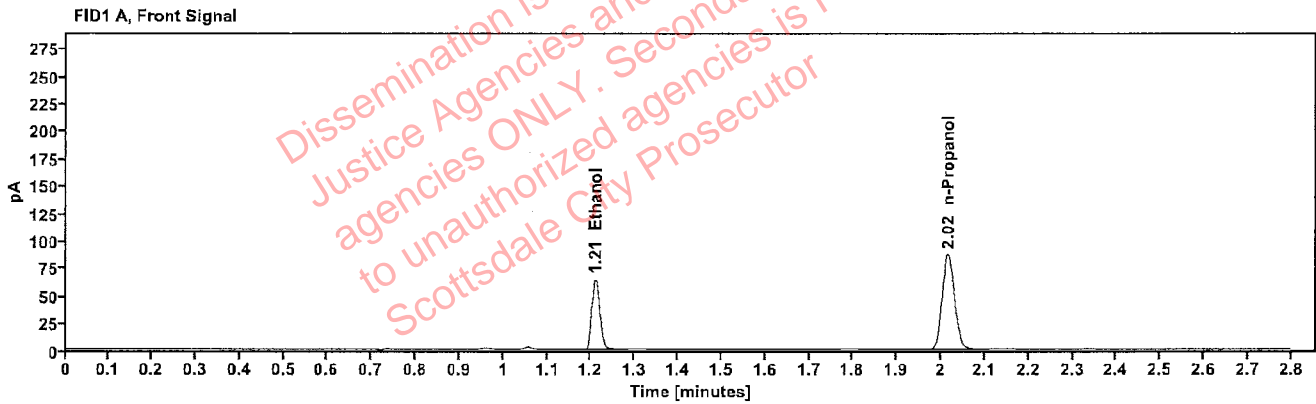


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1318	1.210	81.027
n-Propanol	-----	2.016	172.903

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

Compound	Time (min)	Peak Area
Ethanol	1.355	88.171
n-Propanol	2.433	186.760

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222217-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 1:10:48 PM
Data file:	C:\Chem32\1\Data\25Nov22\38.D	Analyst:	Abbott

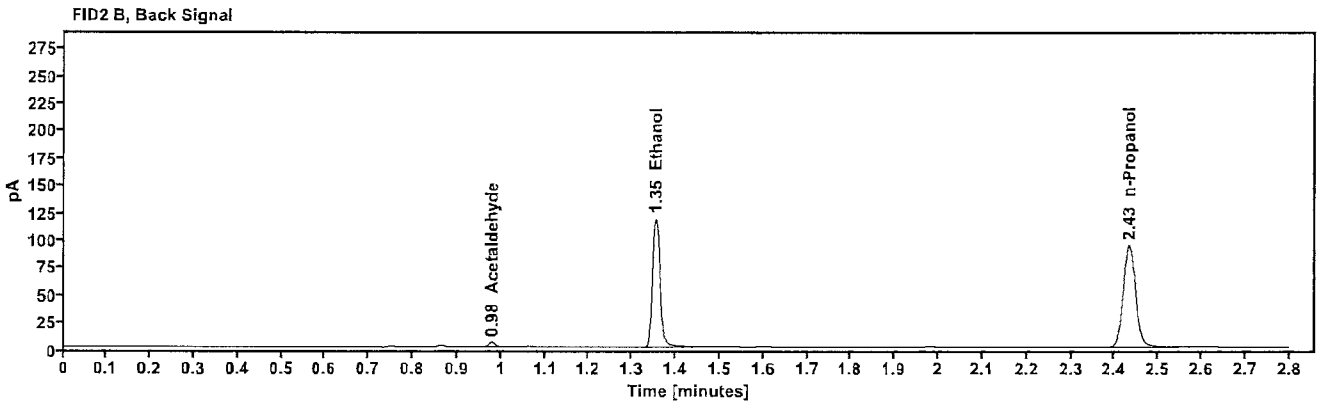
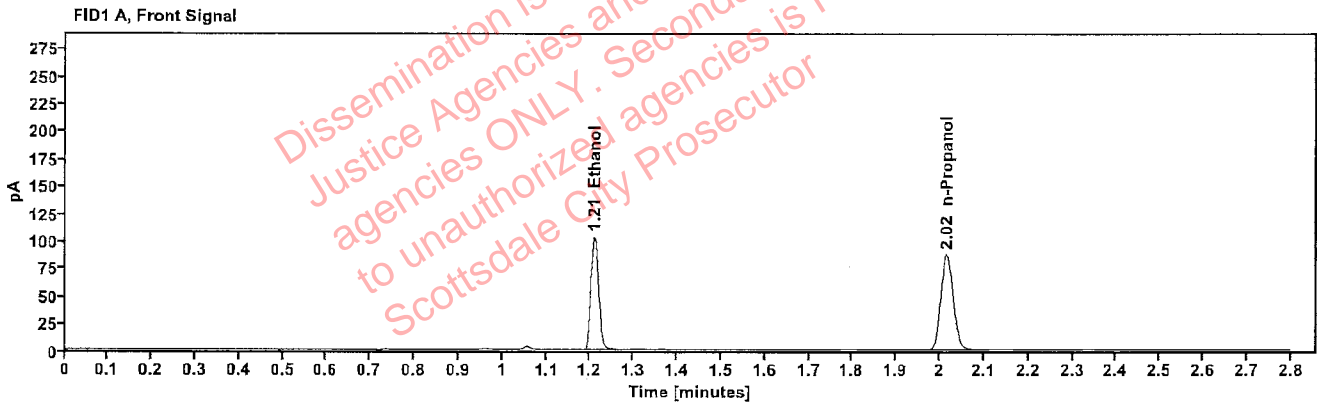


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2114	1.209	129.956
n-Propanol	-----	2.016	172.456

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.979	4.053
Ethanol	1.354	141.130
n-Propanol	2.432	186.231

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222217-2	Vial:	39
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 1:14:47 PM
Data file:	C:\Chem32\1\Data\25Nov22\39.D	Analyst:	Abbott

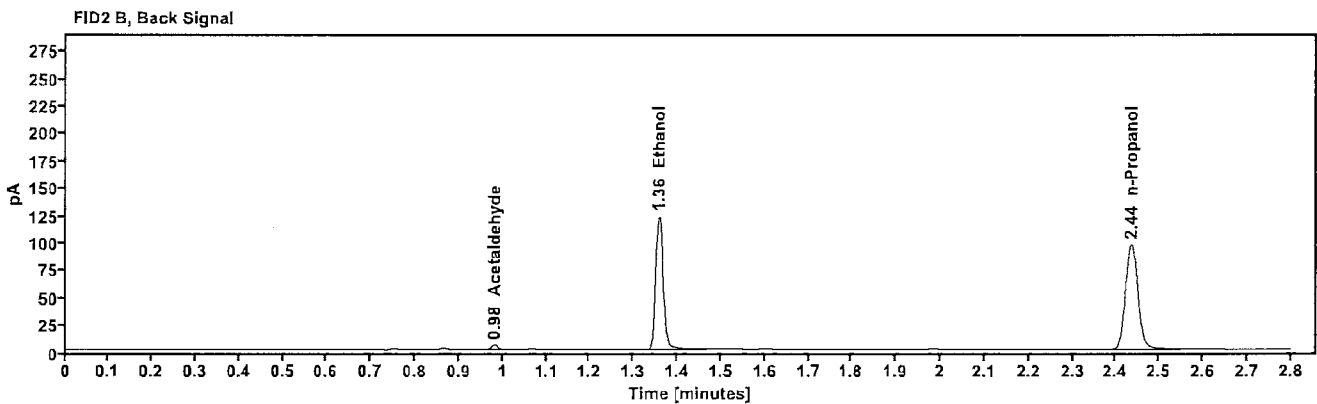
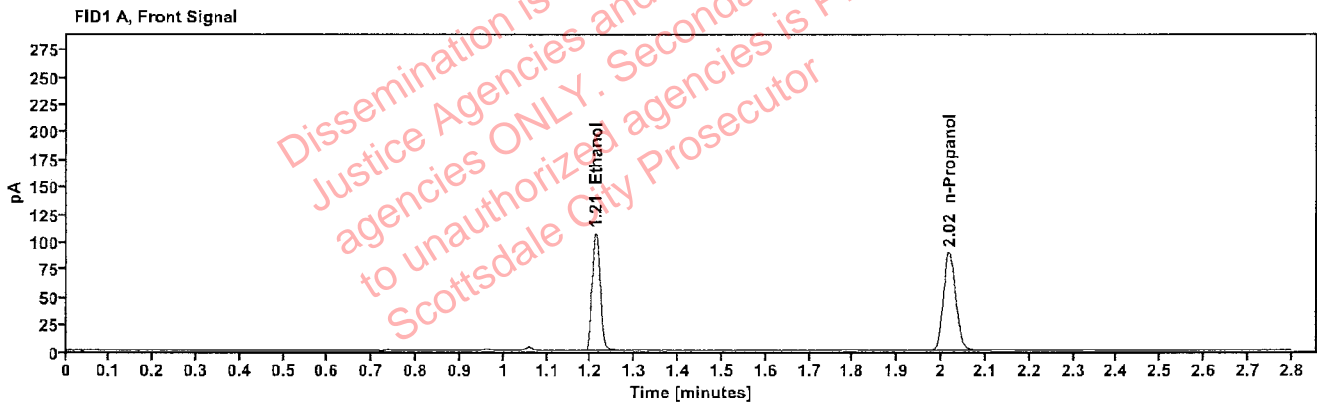


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2147	1.211	135.747
n-Propanol	---	2.018	177.384

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	3.986
Ethanol	1.358	148.320
n-Propanol	2.436	191.485



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222371-2	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 1:18:48 PM
Data file:	C:\Chem32\1\Data\25Nov22\40.D	Analyst:	Abbott

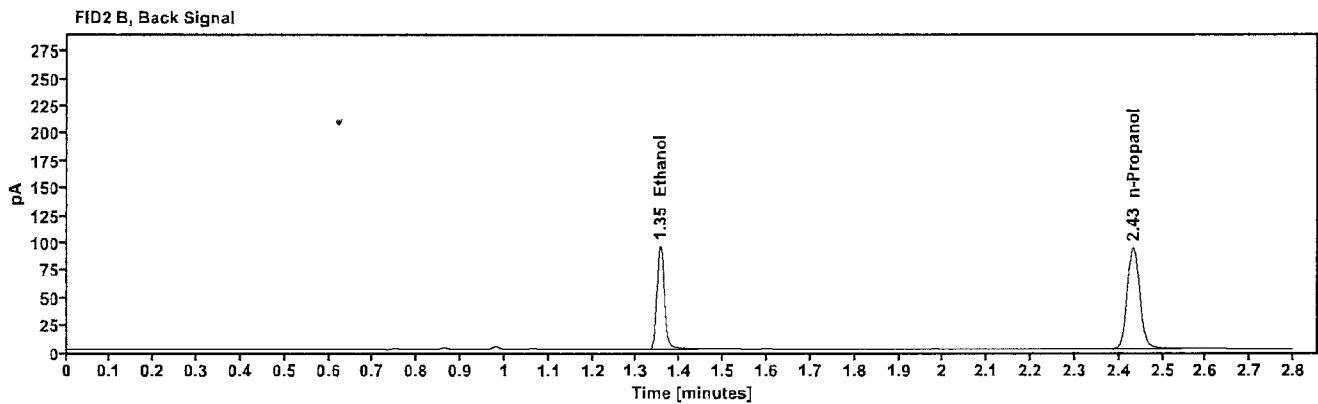
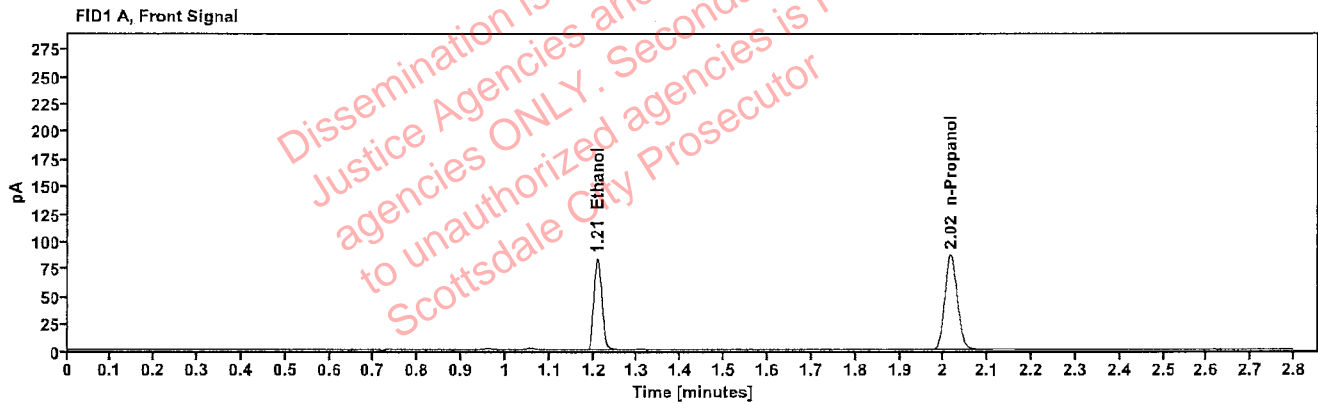


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1716	1.209	105.203
n-Propanol	-----	2.016	172.177

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

Compound	Time (min)	Peak Area
Ethanol	1.354	114.415
n-Propanol	2.432	185.696

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222371-2	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Nov22
Instrument:	US14173023 CN14160045	Injection date:	11/25/2022 1:22:48 PM
Data file:	C:\Chem32\1\Data\25Nov22\41.D	Analyst:	Abbott

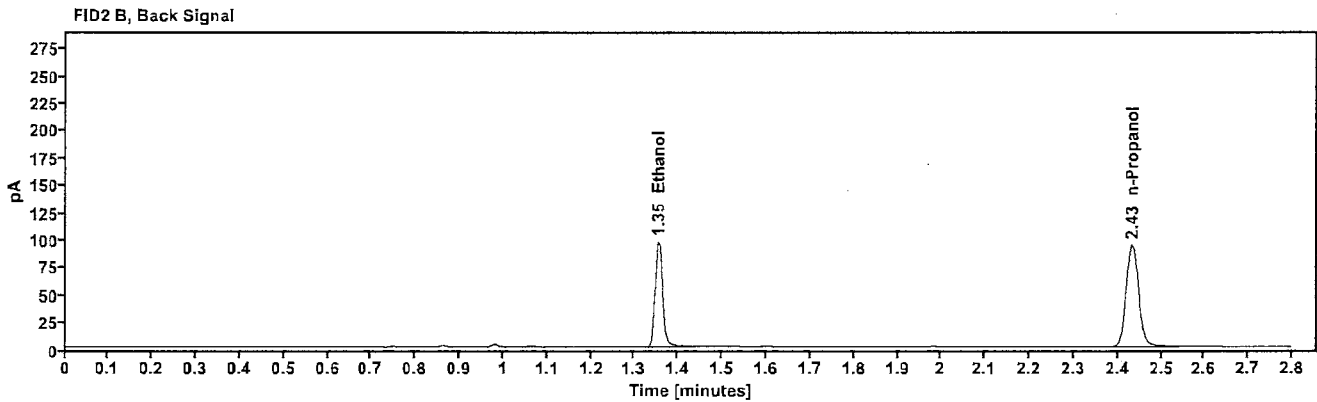
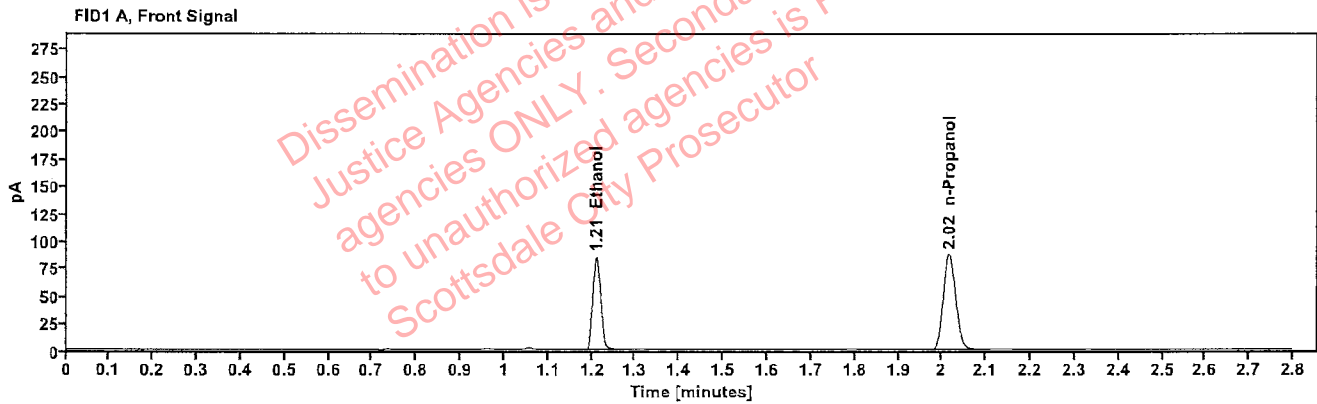


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1738	1.210	106.662
n-Propanol	-----	2.016	172.368

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

Compound	Time (min)	Peak Area
Ethanol	1.355	116.202
n-Propanol	2.433	186.042