

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 04/05/2023 SEQUENCE NAME 05Apr23

**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 0.99996  
 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 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.407 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/10
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
40	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 30012020-A
41	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
42	Blood control	0.199 g/dL	0.200 g/dL	ACQ 4110320133/10
43	Blank	Not detected	Not detected	SPD lab 031623AQ

**SUBJECT SAMPLES**

Subjects in the sequence 14 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

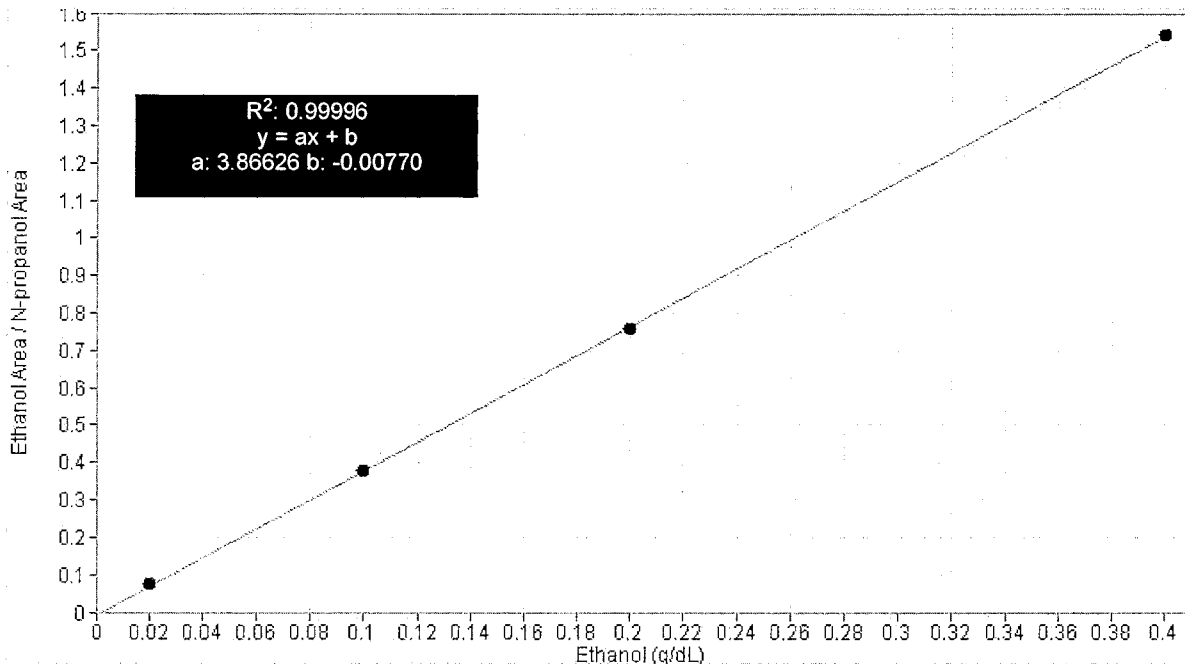
SEQUENCE NAME: 05Apr23

ANALYST: Abbott 

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.407	0.400	1.75	0.007
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/10	9	0.201	0.199	1.01	0.002
0.080 20012020-B	20	0.081	0.080	1.25	0.001
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.400 30012020-A	40	0.399	0.400	0.25	-0.001
0.040 14082019-B	41	0.041	0.040	2.50	0.001
0.199 4110320133/10	42	0.200	0.199	0.50	0.001
blank 031623AQ	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.753	159.113	0.074
0.100	59.308	157.481	0.377
0.200	121.694	159.918	0.761
0.400	246.027	159.607	1.542

Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1
Description: 0.020 calibrator	Sequence: 05Apr23
Method: ethanol quant.M	Injection date: 4/5/2023 11:39:14 AM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\05Apr23\1.D	

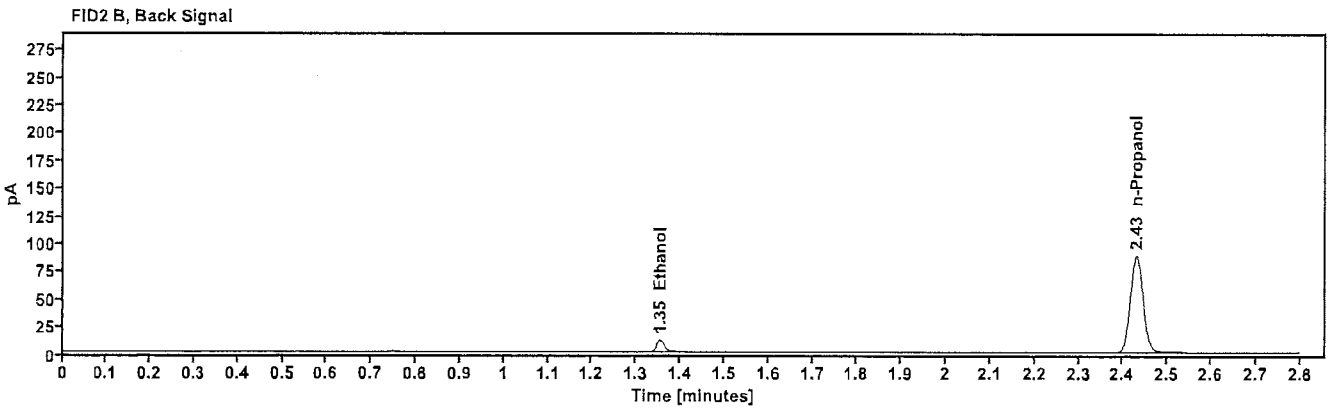
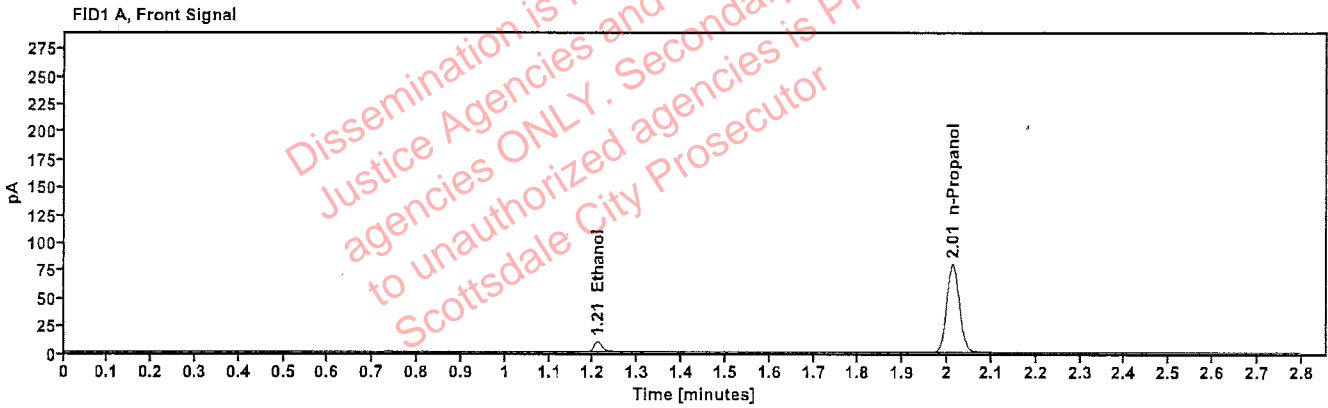


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	11.753
n-Propanol	2.012	159.113

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

Compound	Time (min)	Peak Area
Ethanol	1.354	12.817
n-Propanol	2.430	173.810

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	05Apr23
Method:	ethanol quant.M	Injection date:	4/5/2023 11:43:14 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>PA</i>
Data file:	C:\Chem32\1\Data\05Apr23\2.D		

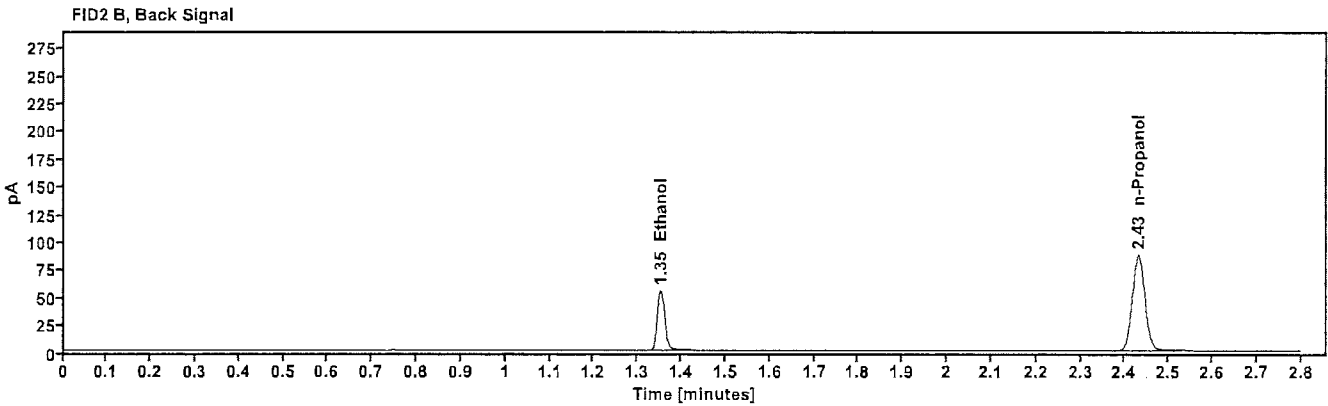
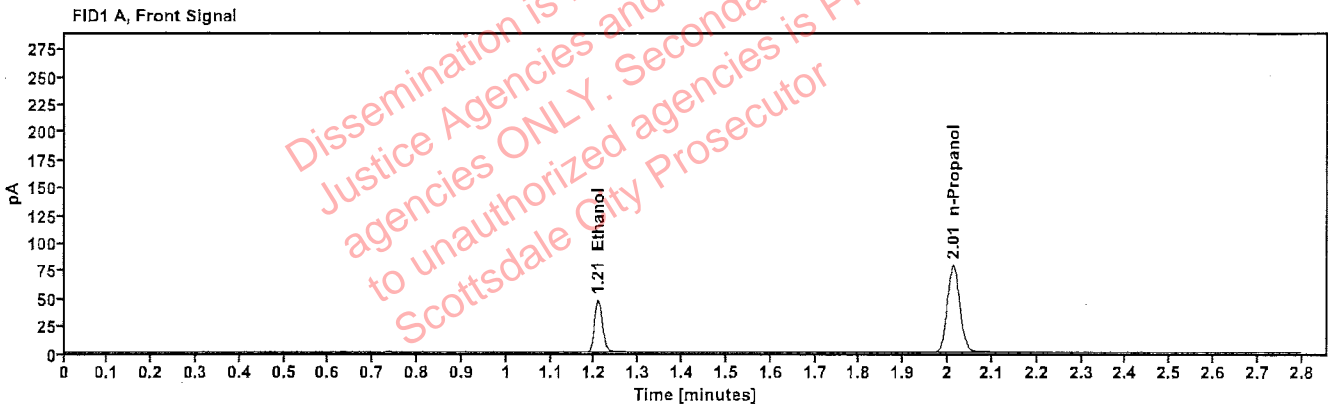


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	59.308
n-Propanol	2.012	157.481

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

Compound	Time (min)	Peak Area
Ethanol	1.353	64.927
n-Propanol	2.431	171.789

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02052101	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 05Apr23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 4/5/2023 11:47:14 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\05Apr23\3.D	<i>Abbott</i>

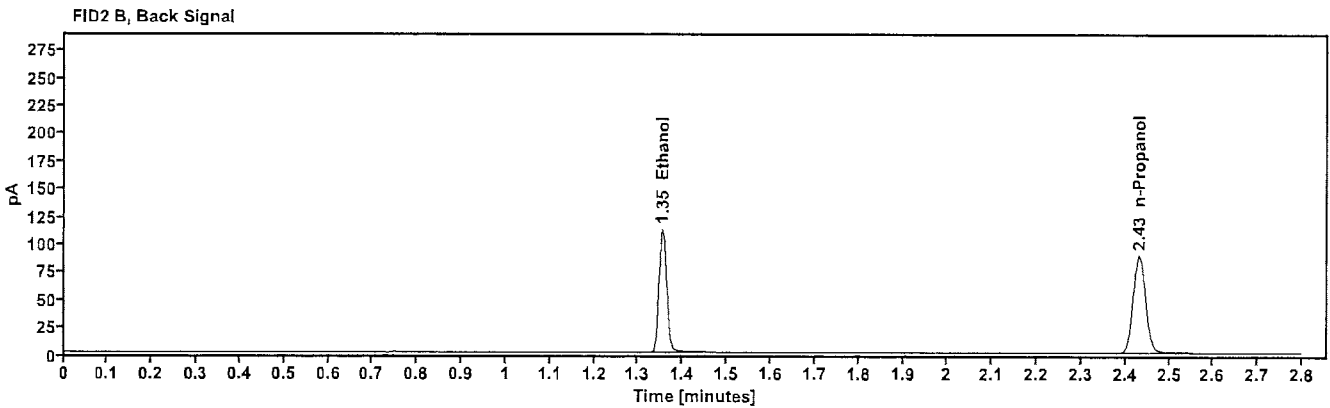
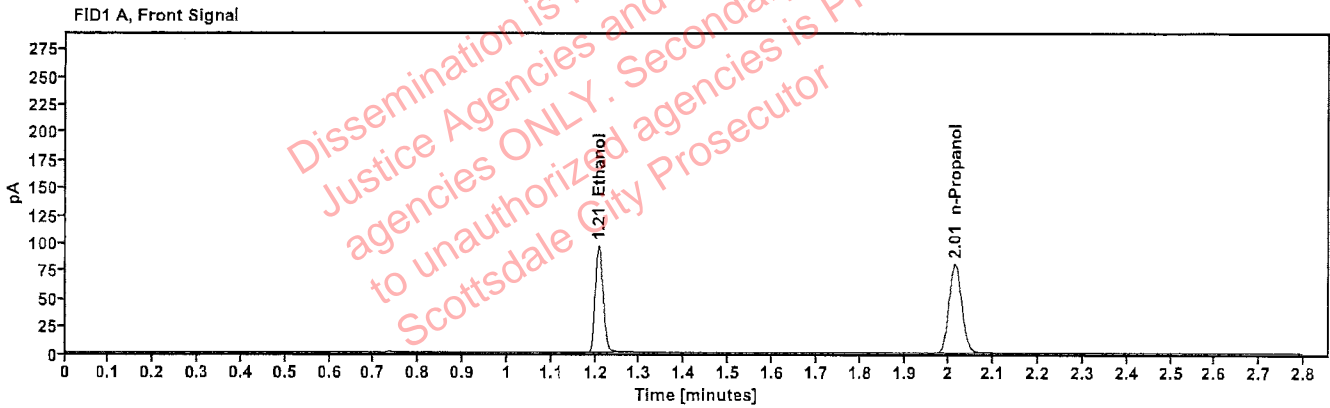


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	121.694
n-Propanol	2.013	159.918

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

Compound	Time (min)	Peak Area
Ethanol	1.353	133.499
n-Propanol	2.432	174.504

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 05Apr23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 4/5/2023 11:51:14 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
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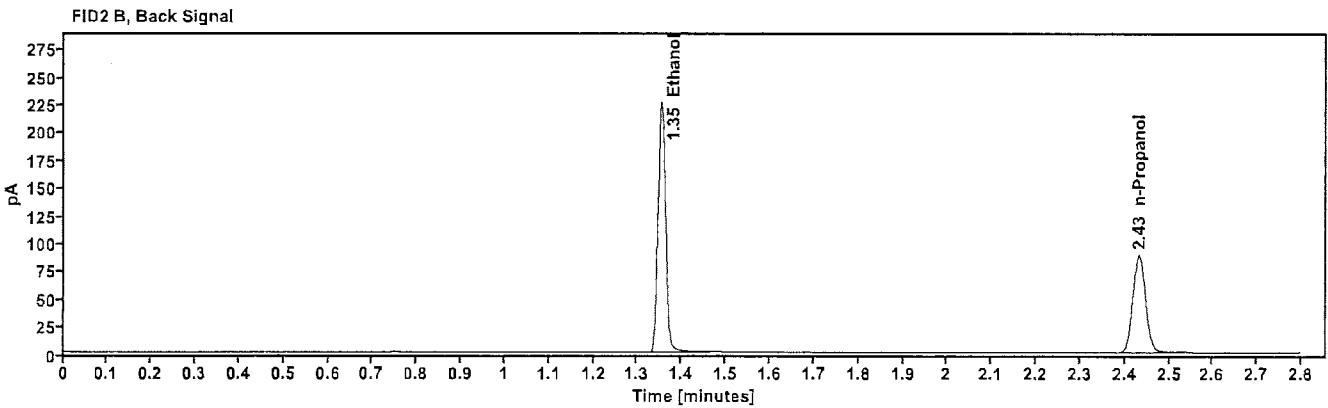
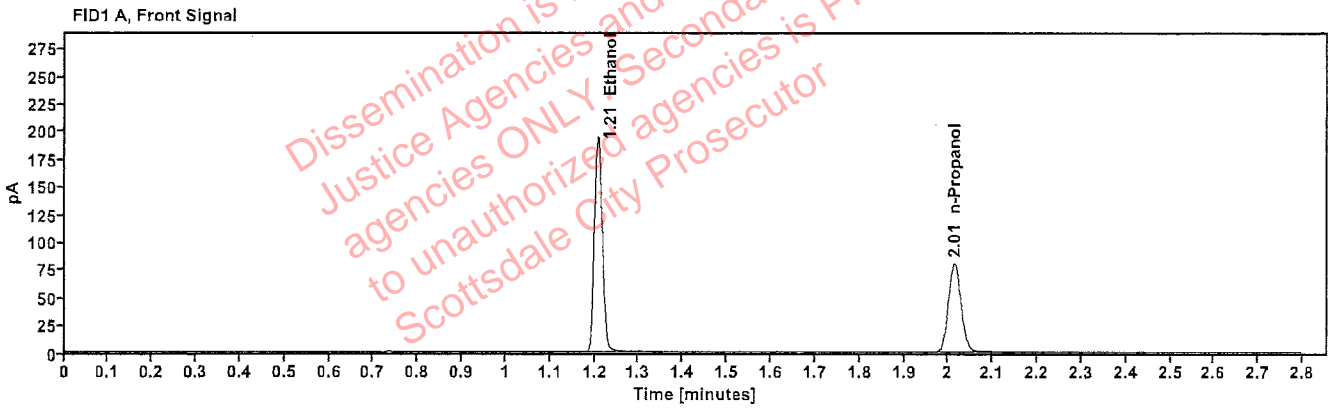


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	246.027
n-Propanol	2.014	159.607

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

Compound	Time (min)	Peak Area
Ethanol	1.354	270.735
n-Propanol	2.432	174.051

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	011823WB	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 11:55:14 AM
Data file:	C:\Chem32\1\Data\05Apr23\5.D	Analyst:	Abbott

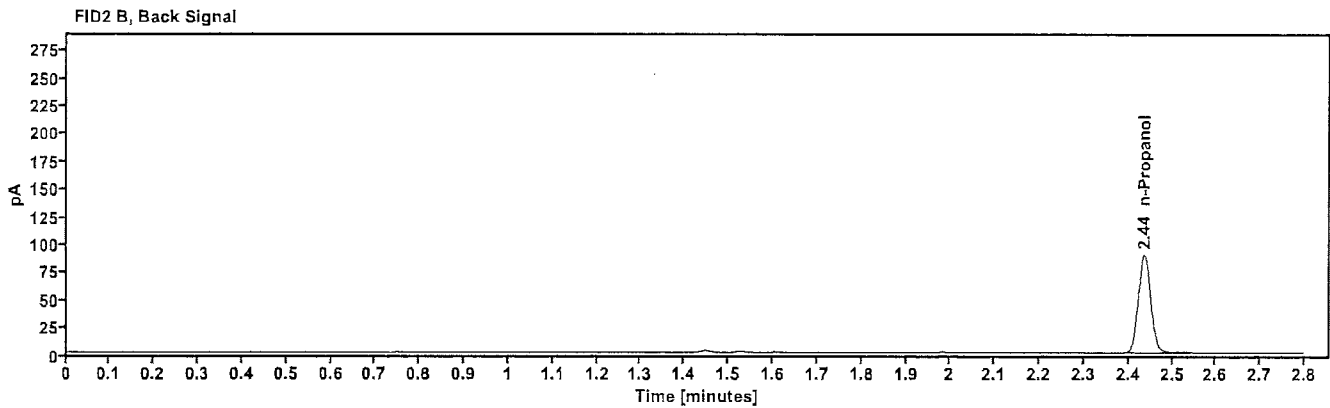
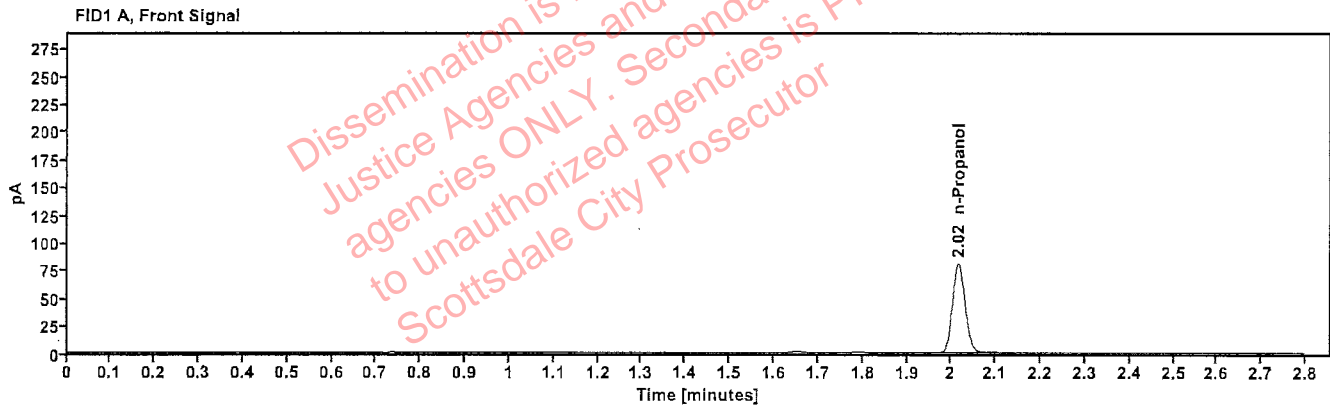


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	159.965

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	174.835

# 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> 05Apr23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/5/2023 11:59:14 AM
<b>Data file:</b> C:\Chem32\1\Data\05Apr23\6.D	<b>Analyst:</b> Abbott

*Abbott*

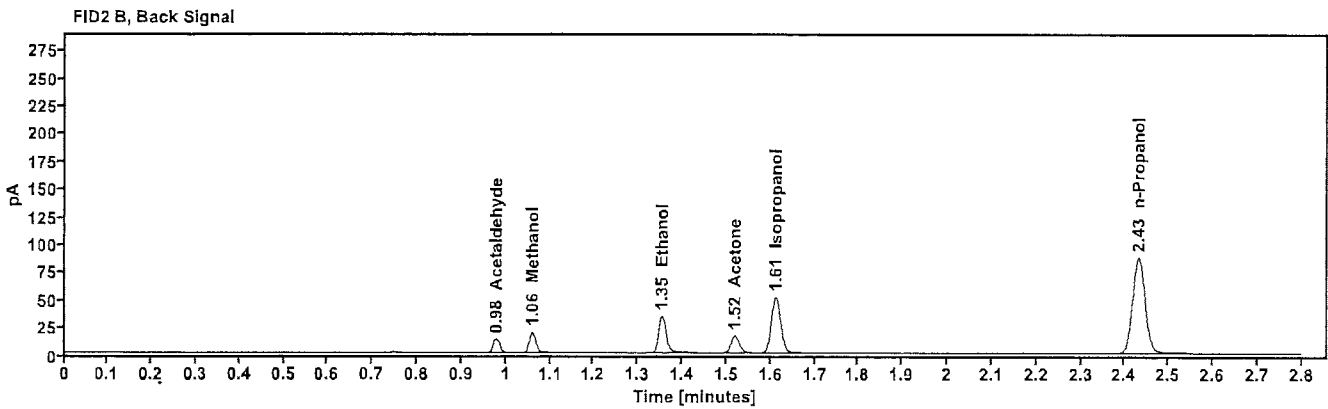
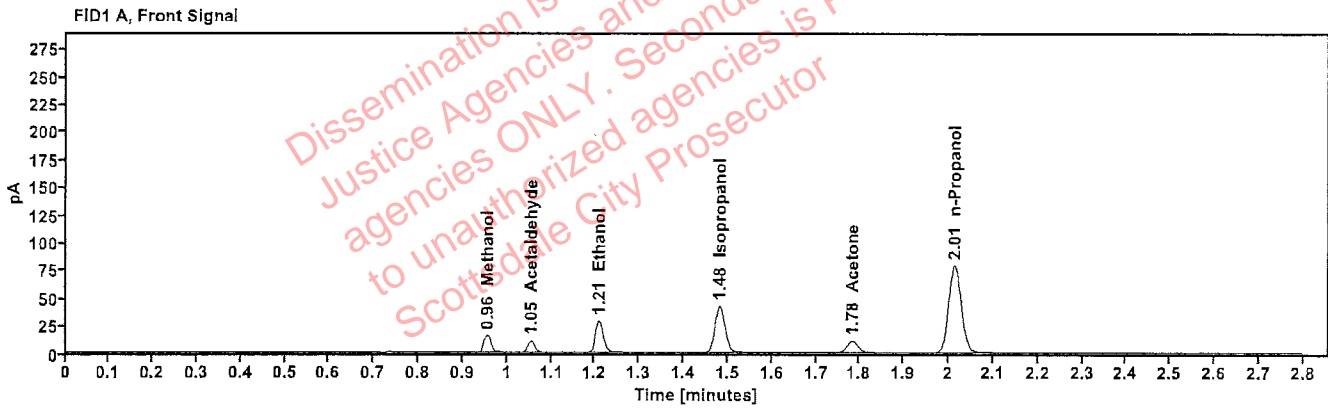


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	17.297
Acetaldehyde	-----	1.054	11.172
>Ethanol	0.0620	1.209	36.509
Isopropanol	-----	1.482	66.951
Acetone	-----	1.783	18.083
n-Propanol	-----	2.013	157.280

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	12.558
Methanol	1.059	19.055
Ethanol	1.354	39.832
Acetone	1.519	19.864
Isopropanol	1.612	74.040
n-Propanol	2.432	171.451



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 05Apr23
Instrument: US14173023 CN14160045	Injection date: 4/5/2023 12:03:30 PM
Data file: C:\Chem32\1\Data\05Apr23\7.D	Analyst: Abbott <i>dr</i>

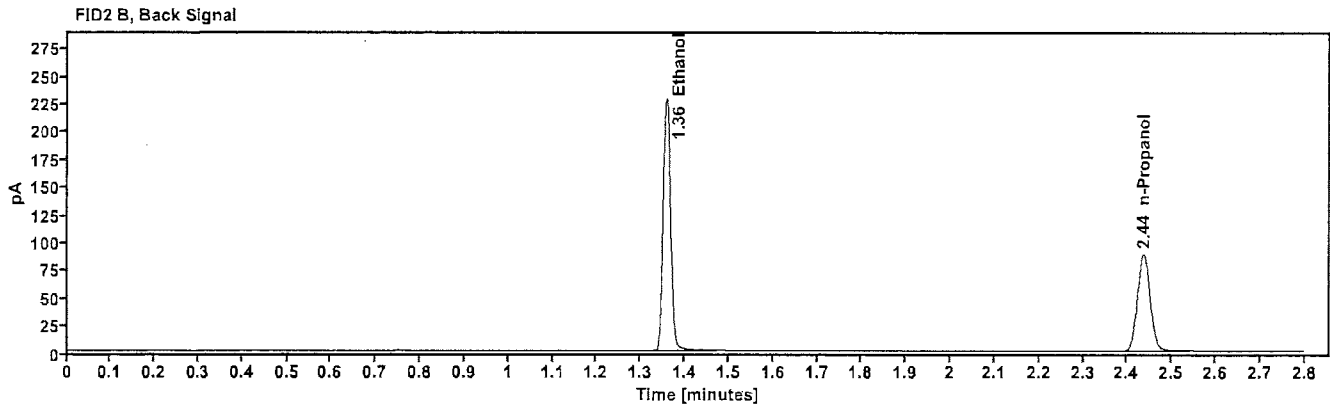
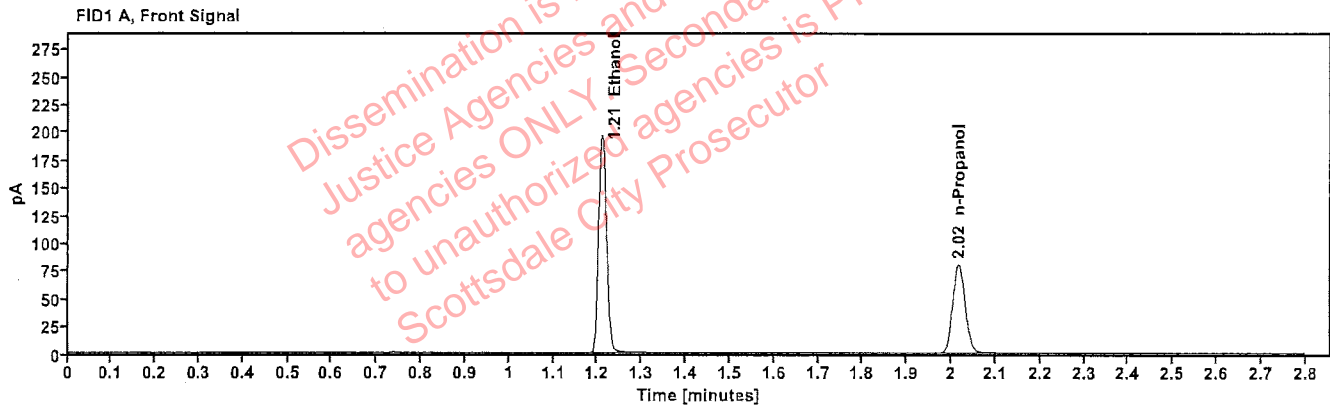


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4078	1.210	249,848
n-Propanol	-----	2.016	159,244

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

Compound	Time (min)	Peak Area
Ethanol	1.358	274,783
n-Propanol	2.436	173,444

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:07:29 PM
Data file:	C:\Chem32\1\Data\05Apr23\8.D	Analyst:	Abbott <i>JA</i>

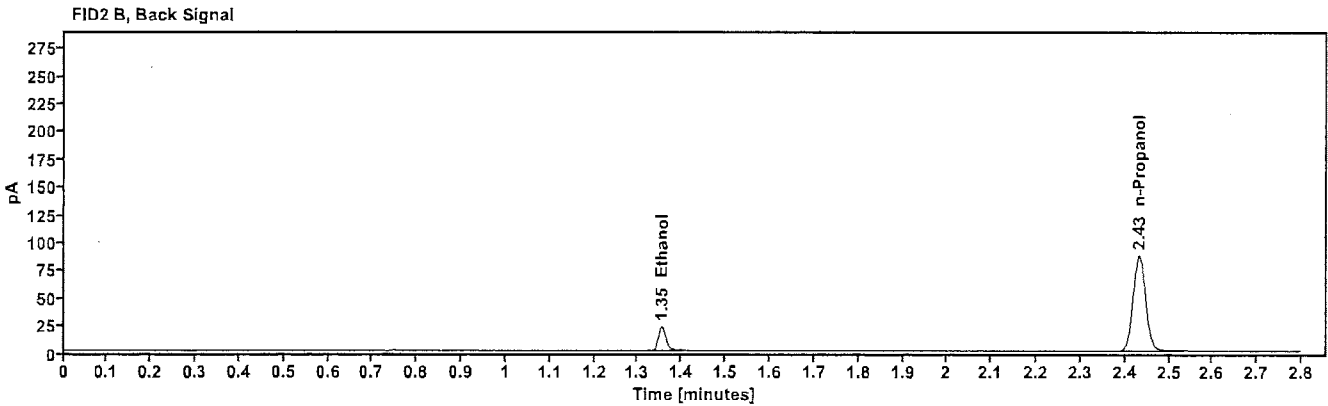
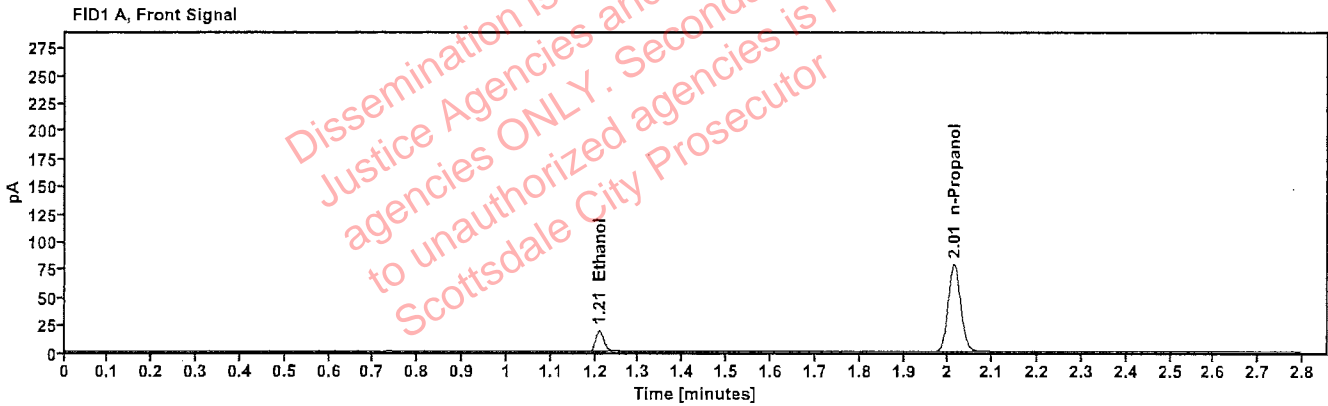


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.209	23.815
n-Propanol	-----	2.013	157.014

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.048
n-Propanol	2.432	171.159

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/10	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:11:29 PM
Data file:	C:\Chem32\1\Data\05Apr23\9.D	Analyst:	Abbott <span style="float: right;">AK</span>

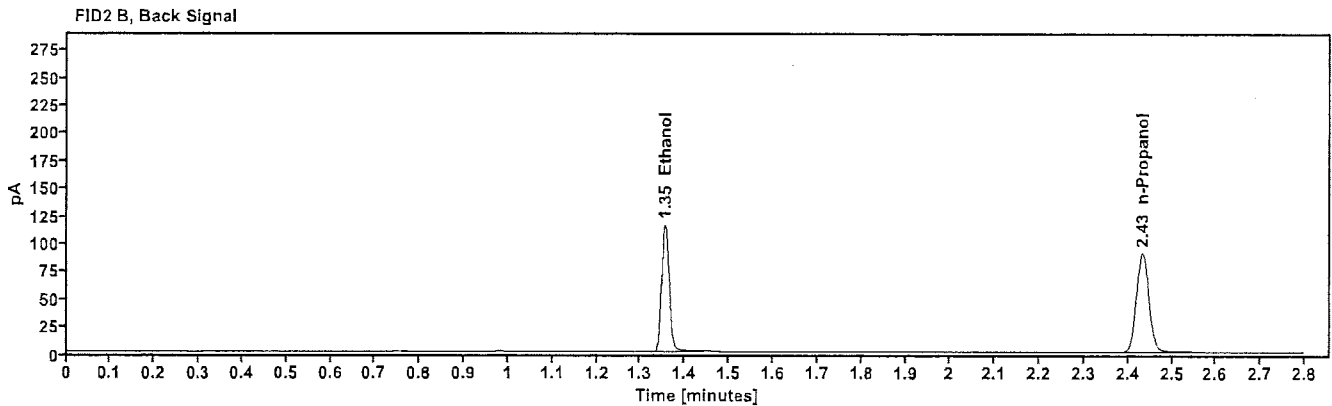
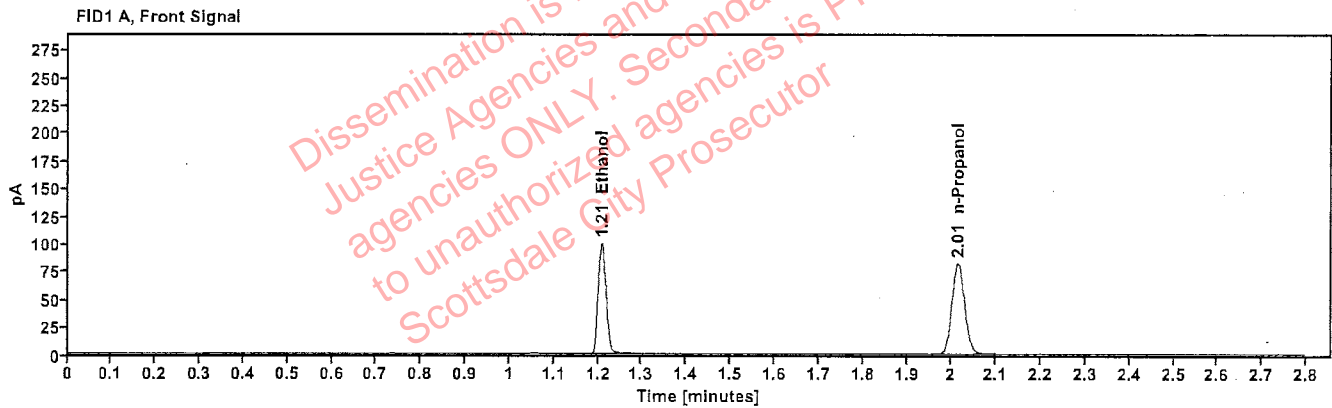


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2017	1.208	125.841
n-Propanol	-----	2.014	162.986

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

Compound	Time (min)	Peak Area
Ethanol	1.355	138.003
n-Propanol	2.433	177.744

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	20012020-B	<b>Vial:</b>	20
<b>Description:</b>	0.080	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	05Apr23
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	4/5/2023 12:55:59 PM
<b>Data file:</b>	C:\Chem32\1\Data\05Apr23\20.D	<b>Analyst:</b>	Abbott <span style="float: right;">JA</span>

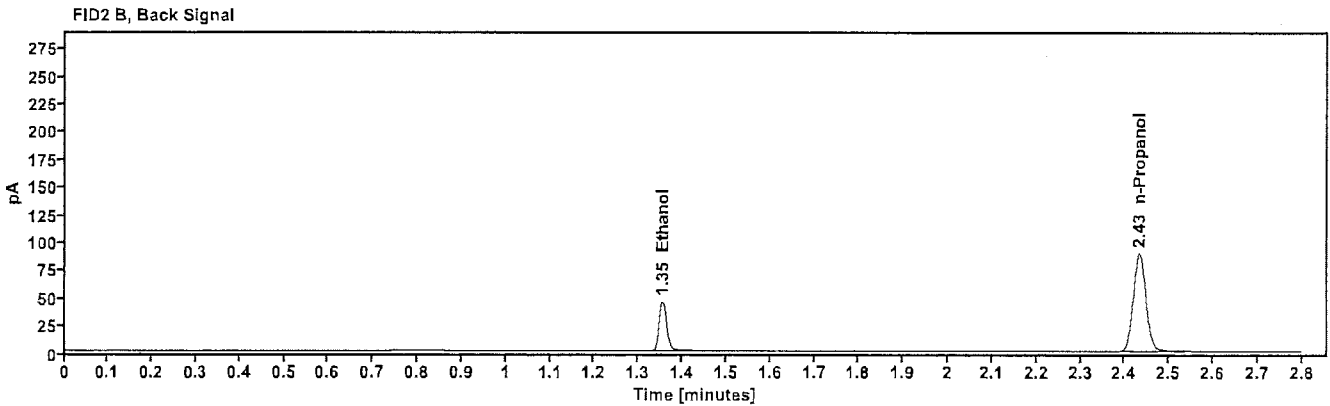
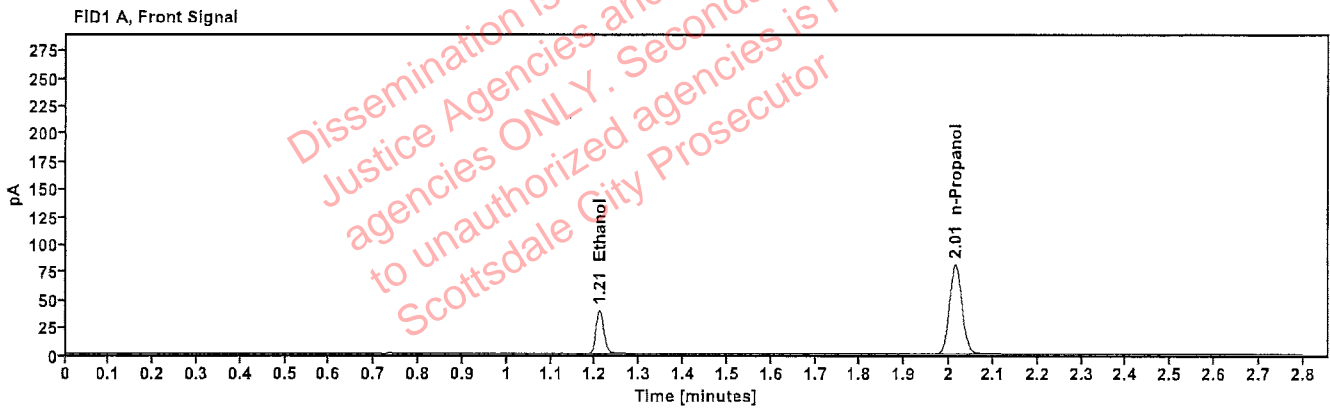


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.209	49.372
n-Propanol	-----	2.014	161.592

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.931
n-Propanol	2.433	175.503

# 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> 05Apr23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/5/2023 1:40:29 PM
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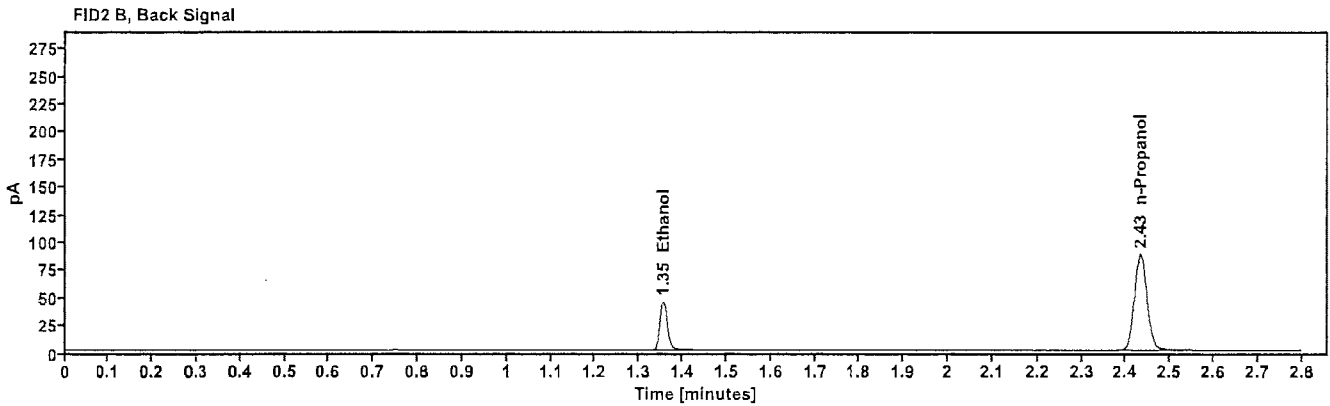
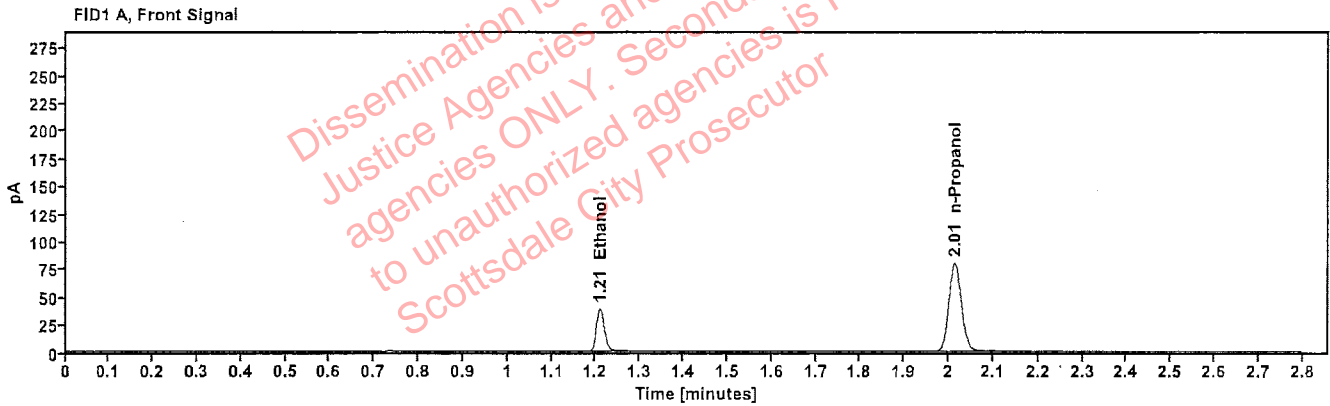


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0812	1.209	48.719
n-Propanol	-----	2.014	159.029

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.108
n-Propanol	2.432	172.843

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 40
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 05Apr23
Instrument: US14173023 CN14160045	Injection date: 4/5/2023 2:16:45 PM
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*JA*

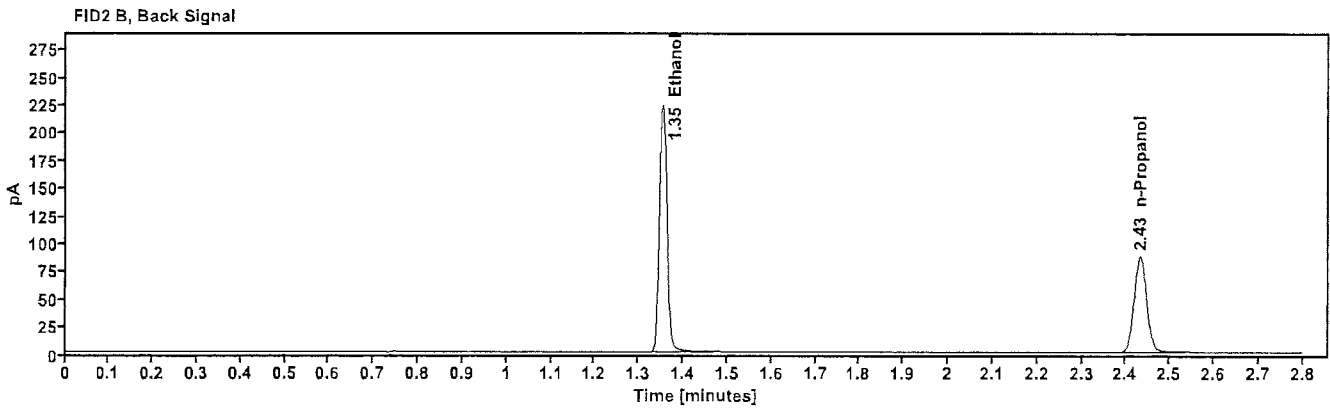
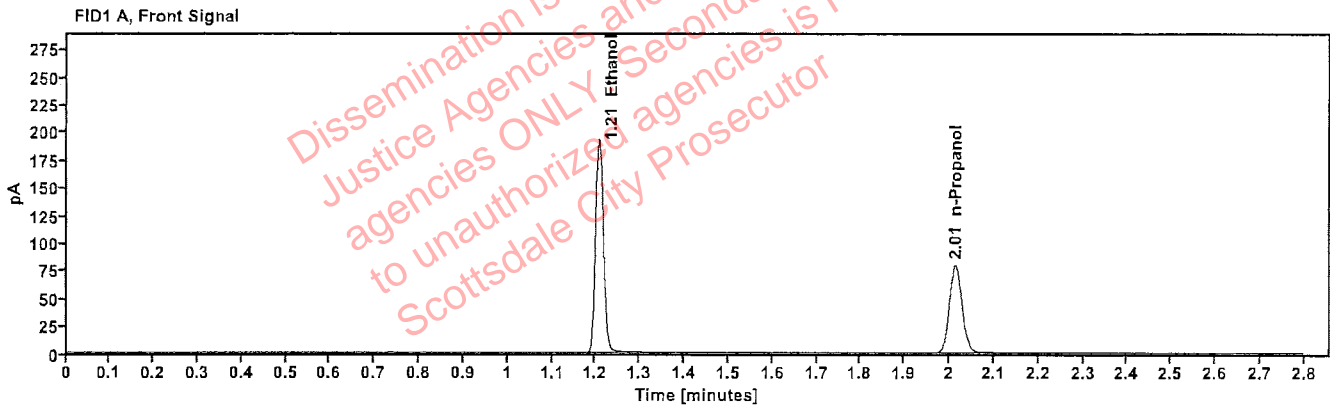


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3998	1.207	243.662
n-Propanol	-----	2.014	158.420

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

Compound	Time (min)	Peak Area
Ethanol	1.354	267.982
n-Propanol	2.432	172.236

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 41
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 05Apr23
Instrument: US14173023 CN14160045	Injection date: 4/5/2023 2:20:45 PM
Data file: C:\Chem32\1\Data\05Apr23\41.D	Analyst: Abbott

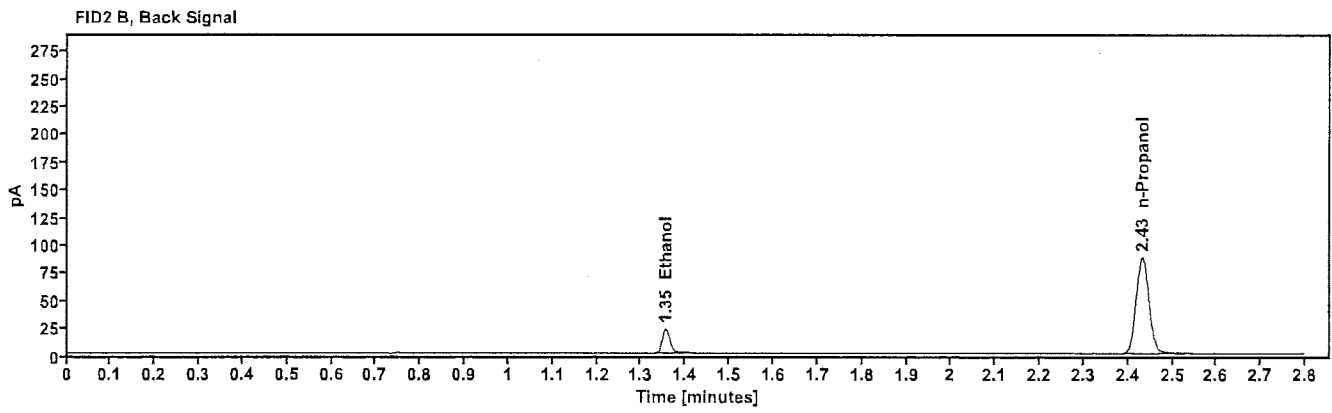
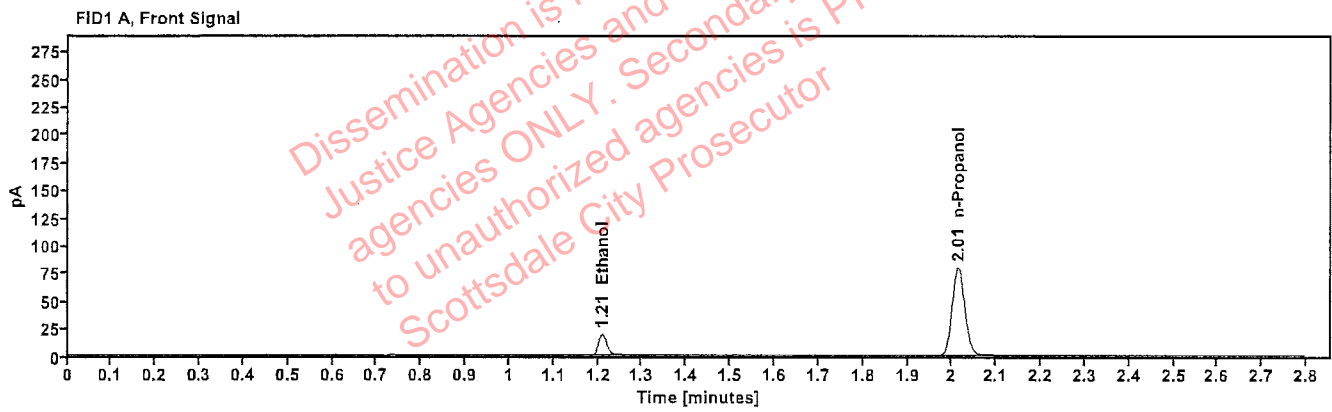


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0415	1.210	24.253
n-Propanol	-----	2.014	158.744

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.481
n-Propanol	2.432	172.833

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/10	<b>Vial:</b> 42
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Apr23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/5/2023 2:24:45 PM
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*JA*

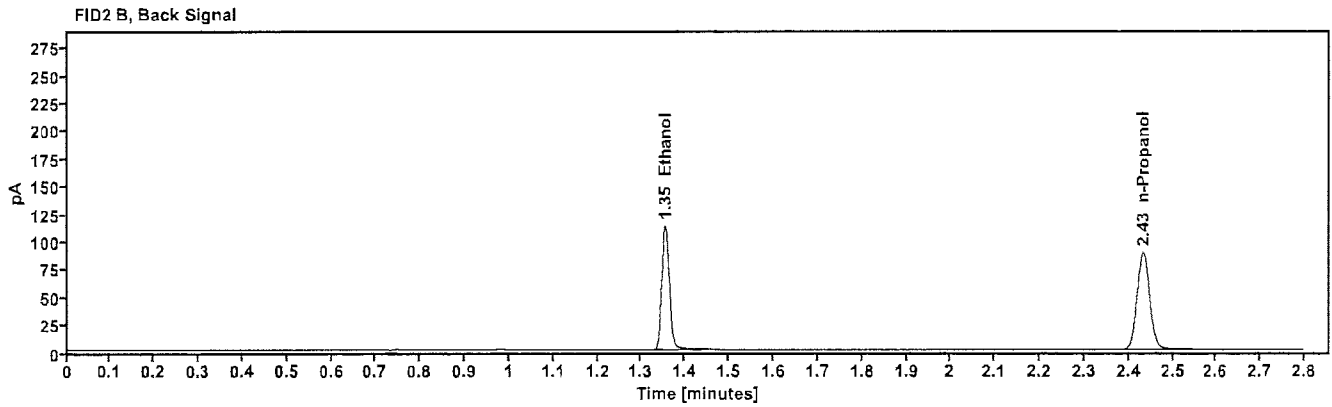
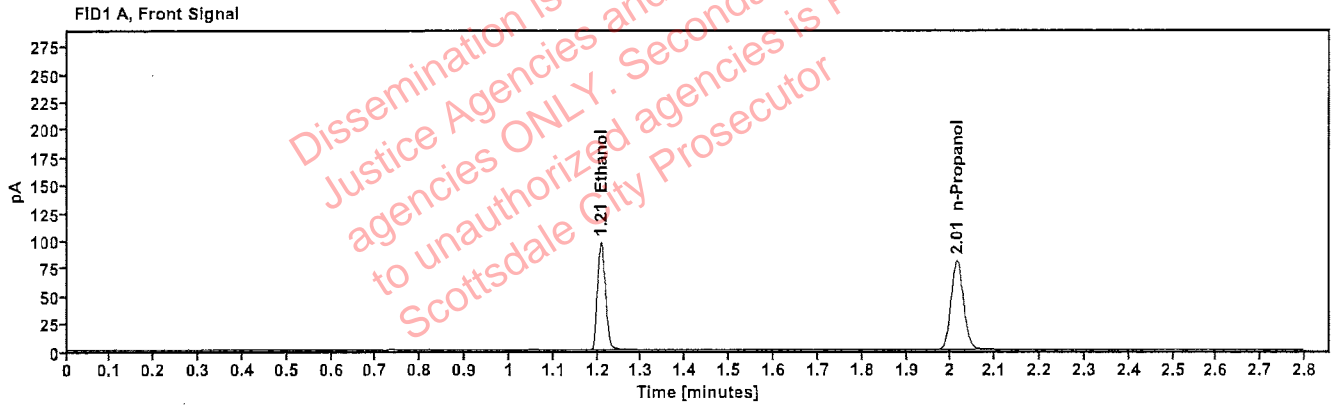


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2005	1.208	123.428
n-Propanol	-----	2.014	160.847

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

Compound	Time (min)	Peak Area
Ethanol	1.354	135.025
n-Propanol	2.433	175.143



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 031623AQ	<b>Vial:</b> 43
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Apr23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/5/2023 2:28:59 PM
<b>Data file:</b> C:\Chem32\11Data\05Apr23\43.D	<b>Analyst:</b> Abbott

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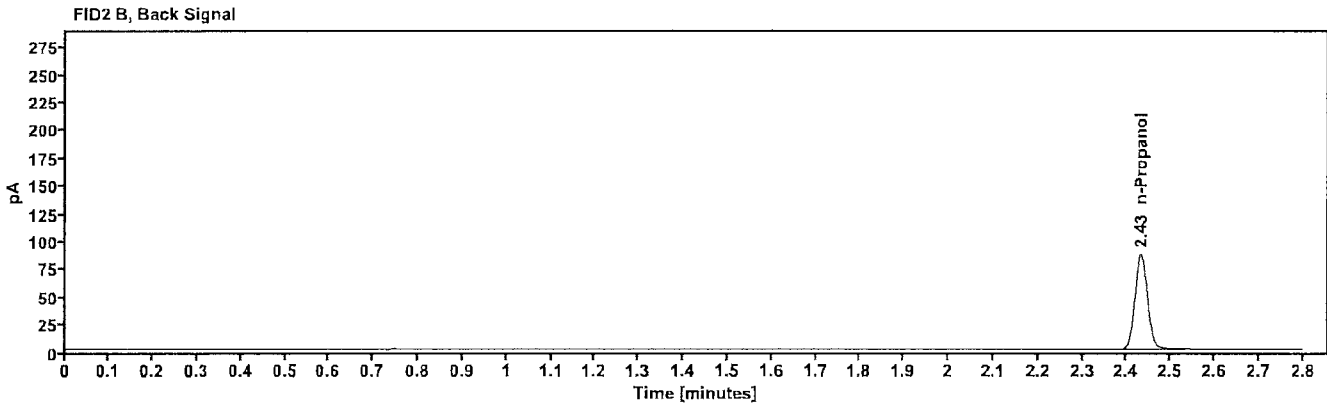
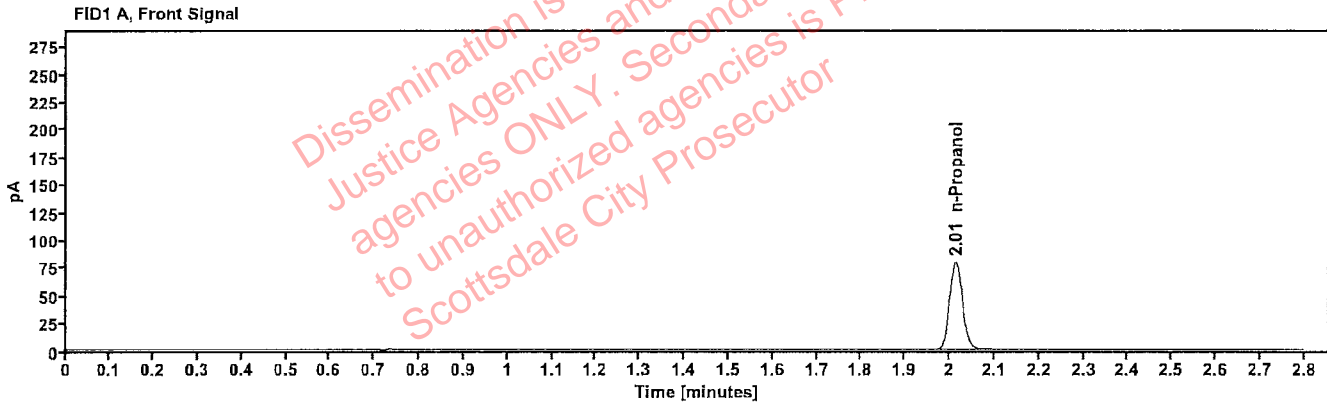


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.013	158.104

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	171.896

# Sequence Summary

Sequence name: 05Apr23      Instrument: US14173023 CN14160045      Analyst: Abbott *[Signature]*

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	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	4110320133/10	0.199	Control		ethanol quant.M
10	2306385-3		Sample		ethanol quant.M
11	2306385-3		Sample		ethanol quant.M
12	409-01T.C.		Sample		ethanol quant.M
13	409-01T.C.		Sample		ethanol quant.M
14	176-01K.S.		Sample		ethanol quant.M
15	176-01K.S.		Sample		ethanol quant.M
16	409-01D.G.		Sample		ethanol quant.M
17	409-01D.G.		Sample		ethanol quant.M
18	326-01E.C.		Sample		ethanol quant.M
19	326-01E.C.		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	318-01M.S.		Sample		ethanol quant.M
22	318-01M.S.		Sample		ethanol quant.M
23	353-01K.M.		Sample		ethanol quant.M
24	353-01K.M.		Sample		ethanol quant.M
25	403-01R.M.		Sample		ethanol quant.M
26	403-01R.M.		Sample		ethanol quant.M
27	390-01P.W.		Sample		ethanol quant.M
28	390-01P.W.		Sample		ethanol quant.M
29	390-01T.R.		Sample		ethanol quant.M
30	390-01T.R.		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	408-01N.E.		Sample		ethanol quant.M
33	408-01N.E.		Sample		ethanol quant.M
34	176-01G.P.		Sample		ethanol quant.M
35	176-01G.P.		Sample		ethanol quant.M
36	2306613-1		Sample		ethanol quant.M
37	2306613-1		Sample		ethanol quant.M
38	2306372-1		Sample		ethanol quant.M
39	2306372-1		Sample		ethanol quant.M
40	30012020-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	4110320133/10	0.199	Control		ethanol quant.M
43	031623AQ	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 05Apr23

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1271	0.1273	0.12720	0.08	0.00010
12 13	0.0935	0.0947	0.09410	0.64	0.00060
14 15	0.1463	0.1455	0.14590	0.27	0.00040
16 17	0.1719	0.1739	0.17290	0.58	0.00100
18 19	0.1721	0.1710	0.17155	0.32	0.00055
21 22	0.1593	0.1578	0.15855	0.47	0.00075
23 24	0.2200	0.2218	0.22090	0.41	0.00090
25 26	0.2780	0.2760	0.27700	0.36	0.00100
27 28	0.0098	0.0097	0.00975	0.51	0.00005
29 30	0.0717	0.0720	0.07185	0.21	0.00015
32 33	0.1538	0.1525	0.15315	0.42	0.00065
34 35	0.2076	0.2082	0.20790	0.14	0.00030
36 37	0.1545	0.1541	0.15430	0.13	0.00020
38 39	0.0887	0.0885	0.08860	0.11	0.00010

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

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### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306385-3	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:15:30 PM
Data file:	C:\Chem32\1\Data\05Apr23\10.D	Analyst:	Abbott

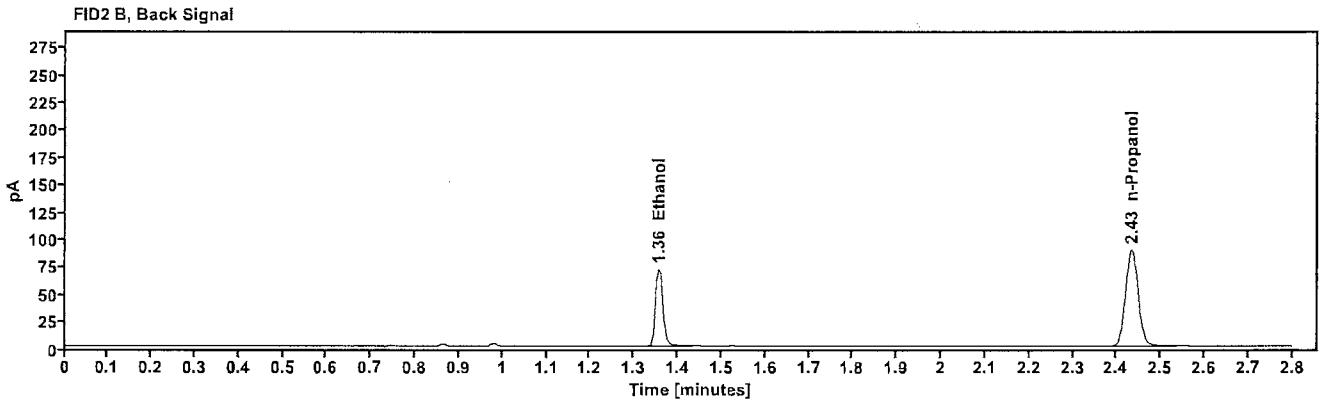
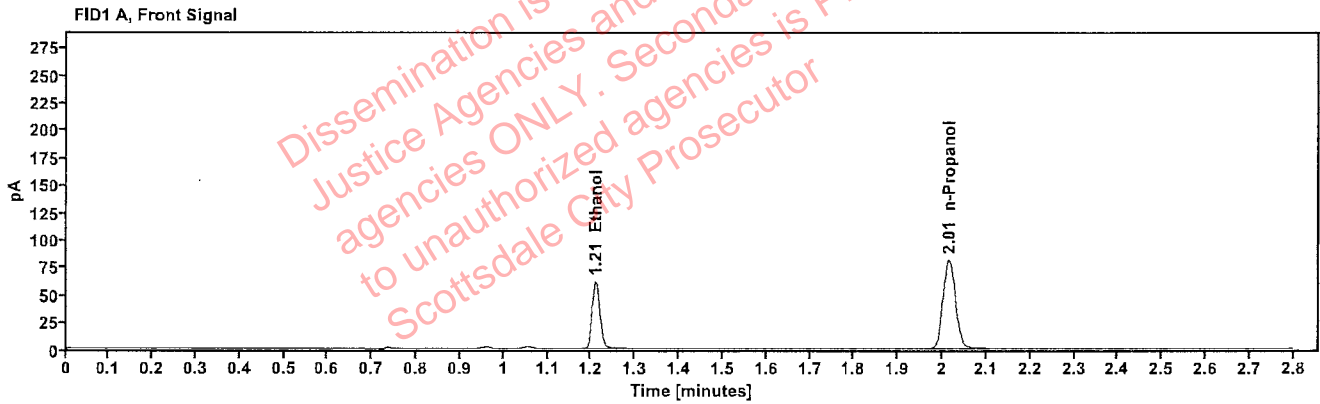


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1271	1.209	78.074
n-Propanol	-----	2.015	161.353

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

Compound	Time (min)	Peak Area
Ethanol	1.356	85.199
n-Propanol	2.434	175.724

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306385-3	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:19:30 PM
Data file:	C:\Chem32\1\Data\05Apr23\11.D	Analyst:	Abbott

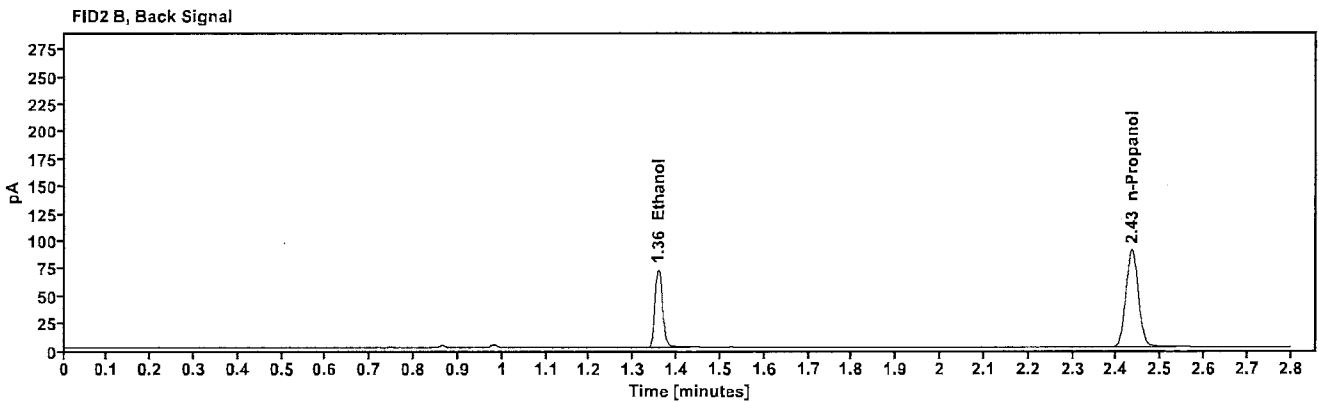
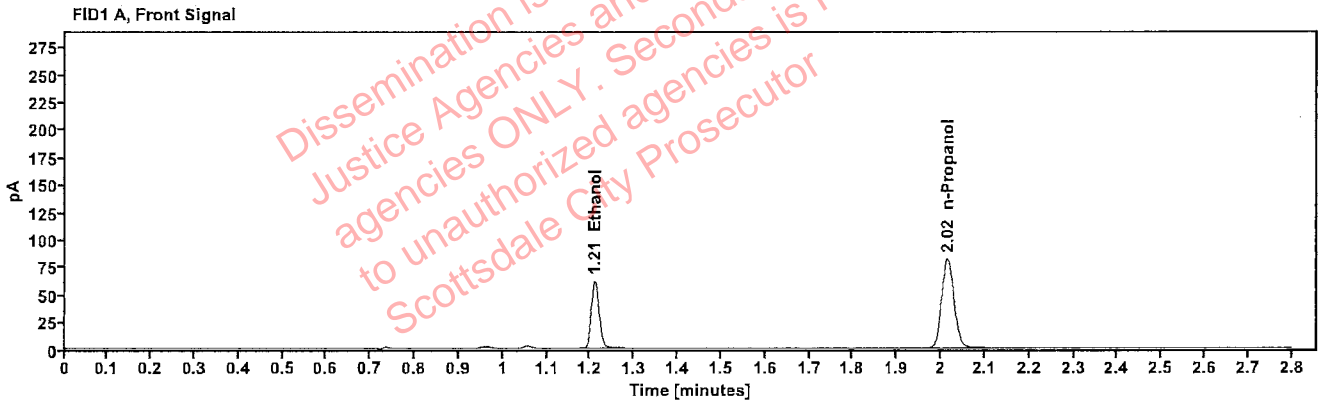


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1273	1.210	78.964
n-Propanol	---	2.015	162.925

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

Compound	Time (min)	Peak Area
Ethanol	1.357	86.199
n-Propanol	2.434	177.326

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01T.C.	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:23:29 PM
Data file:	C:\Chem32\1\Data\05Apr23\12.D	Analyst:	Abbott

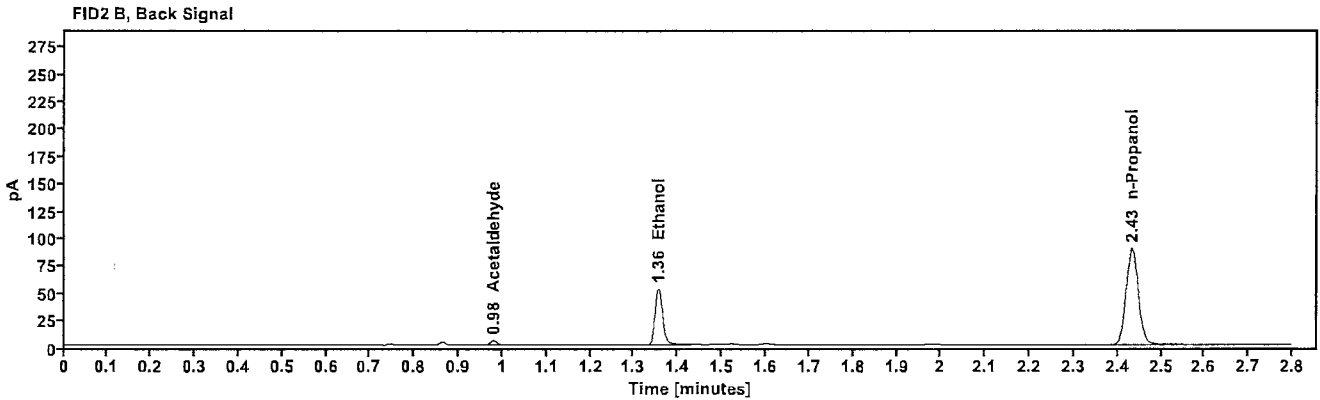
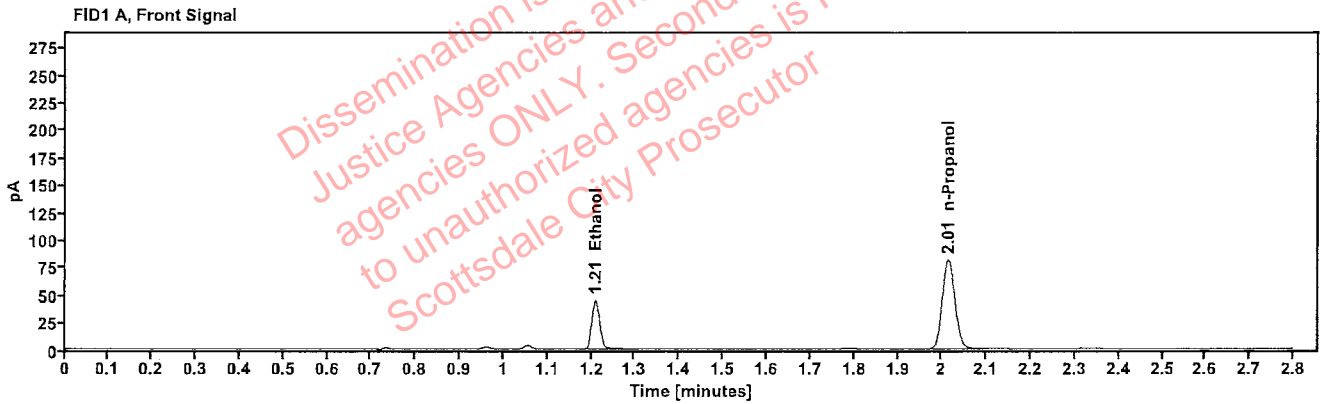


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0935	1.209	56.885
n-Propanol	-----	2.014	160.842

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.979	3.969
Ethanol	1.355	62.112
n-Propanol	2.433	175.850

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01T.C.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:27:44 PM
Data file:	C:\Chem32\1\Data\05Apr23\13.D	Analyst:	Abbott

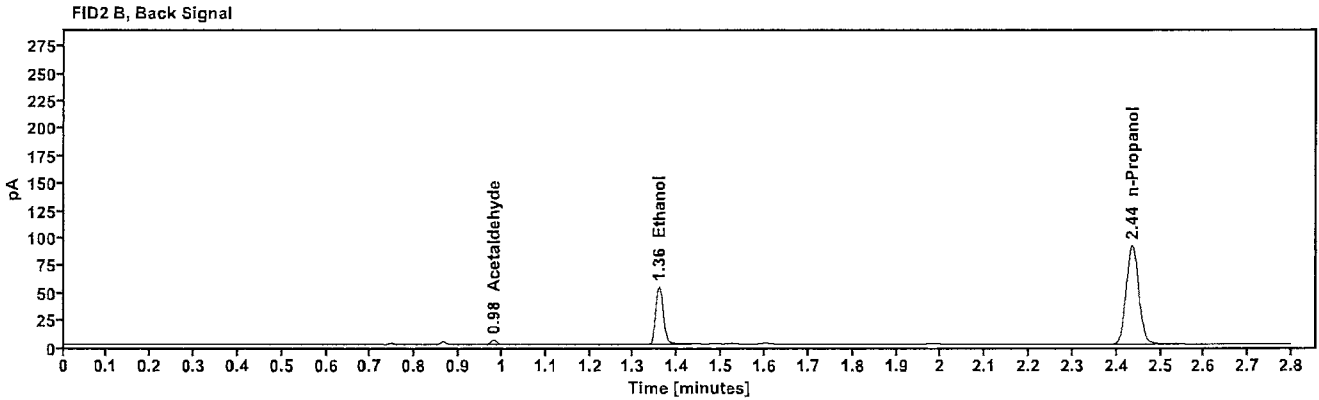
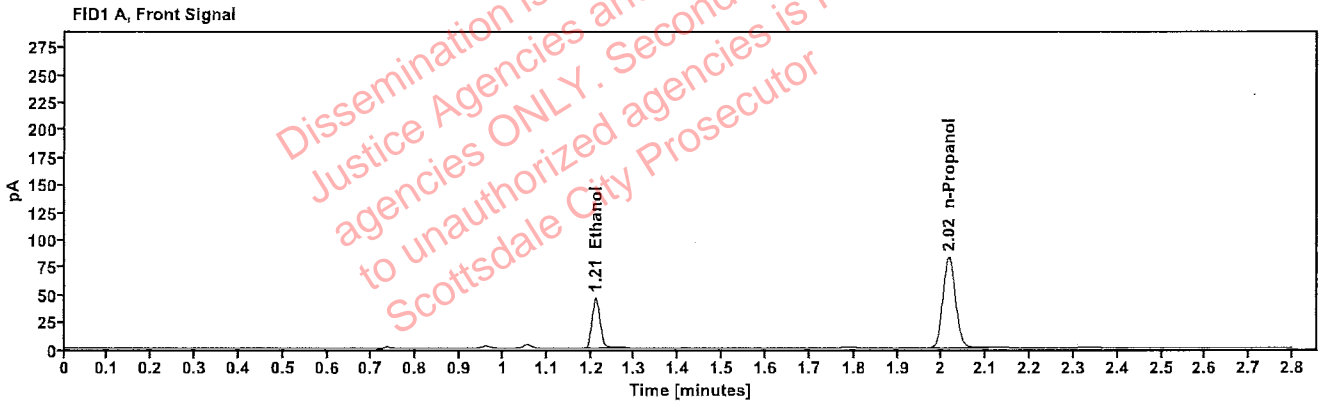


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0947	1.211	58.852
n-Propanol	-----	2.016	164.272

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.002
Ethanol	1.358	64.313
n-Propanol	2.436	179.252



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	176-01K.S.	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:31:44 PM
Data file:	C:\Chem32\1\Data\05Apr23\14.D	Analyst:	Abbott

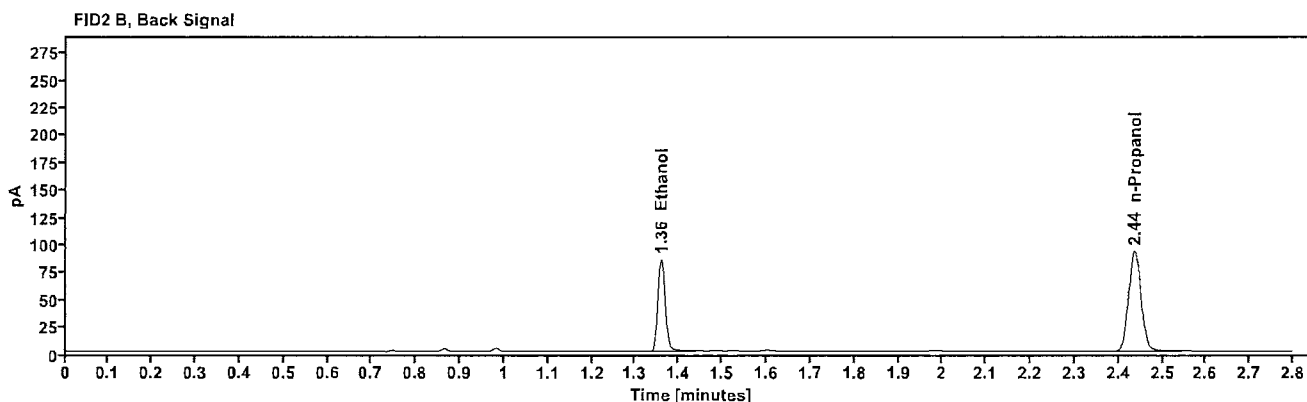
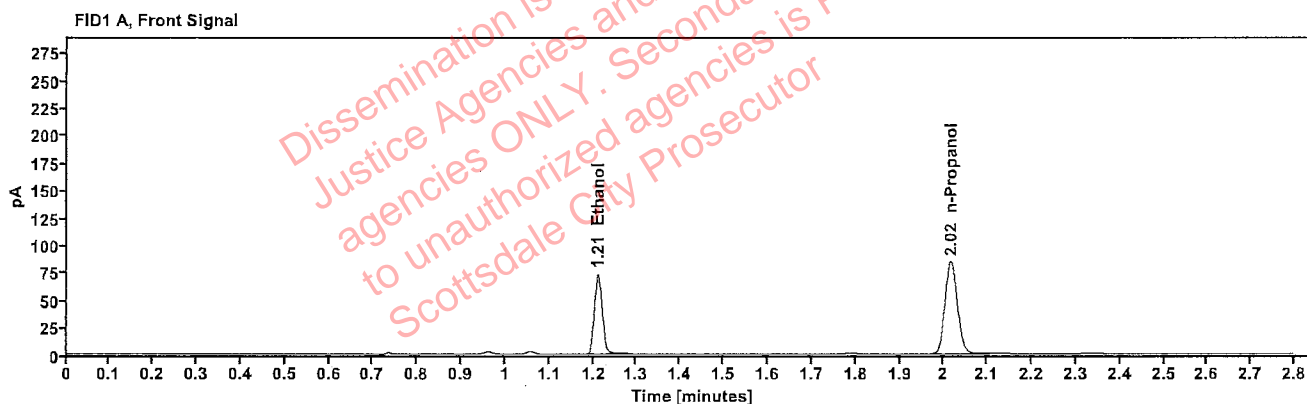


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1463	1.211	93.246
n-Propanol	-----	2.016	167.095

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

Compound	Time (min)	Peak Area
Ethanol	1.359	102.172
n-Propanol	2.436	182.242

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	176-01K.S.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:35:45 PM
Data file:	C:\Chem32\1\Data\05Apr23\15.D	Analyst:	Abbott

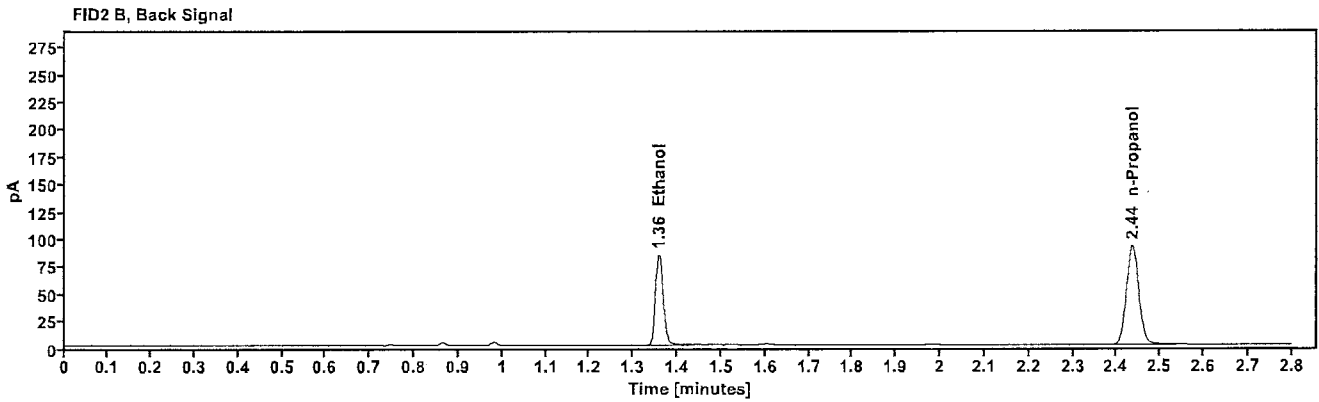
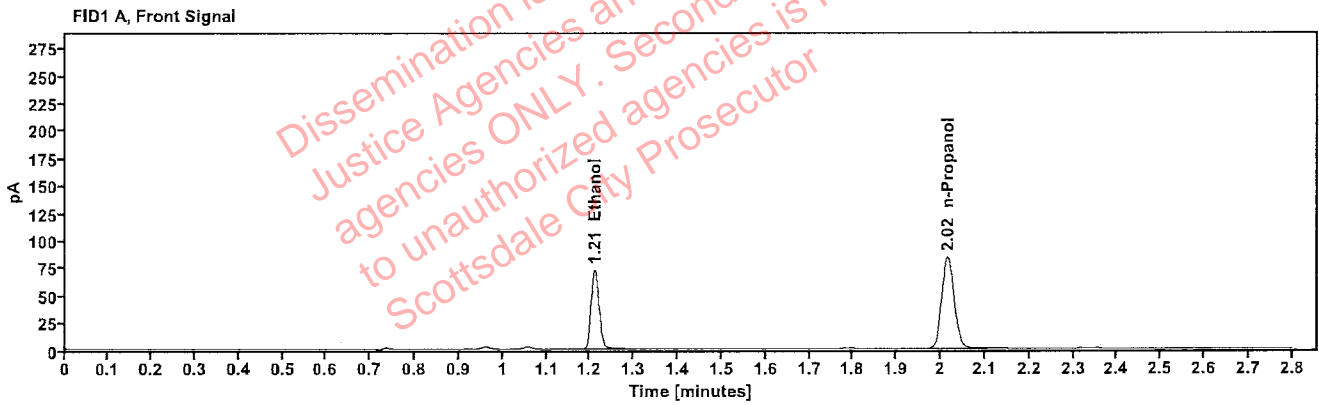


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1455	1.210	92.204
n-Propanol	-----	2.016	166.211

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

Compound	Time (min)	Peak Area
Ethanol	1.358	100.919
n-Propanol	2.436	181.259

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.G.	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:39:45 PM
Data file:	C:\Chem32\1\Data\05Apr23\16.D	Analyst:	Abbott

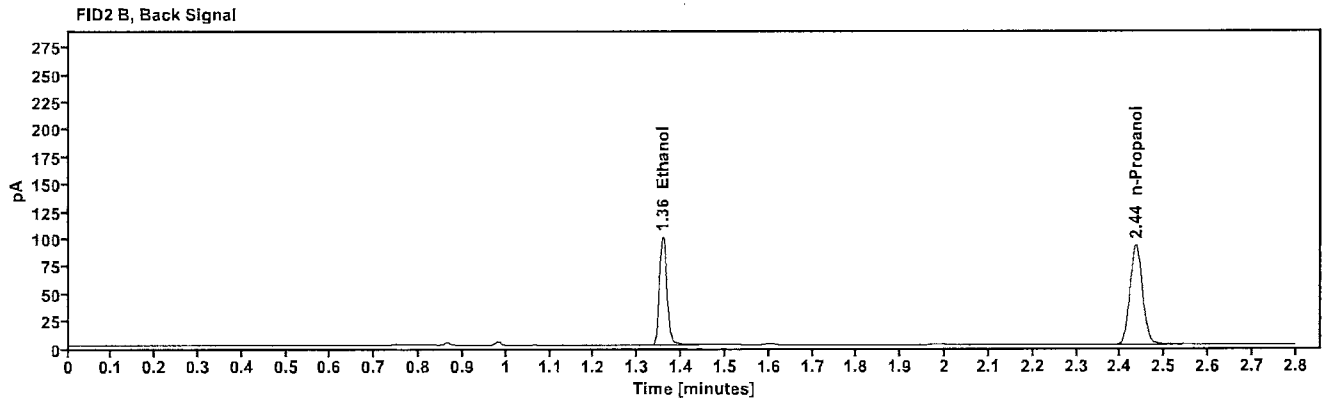
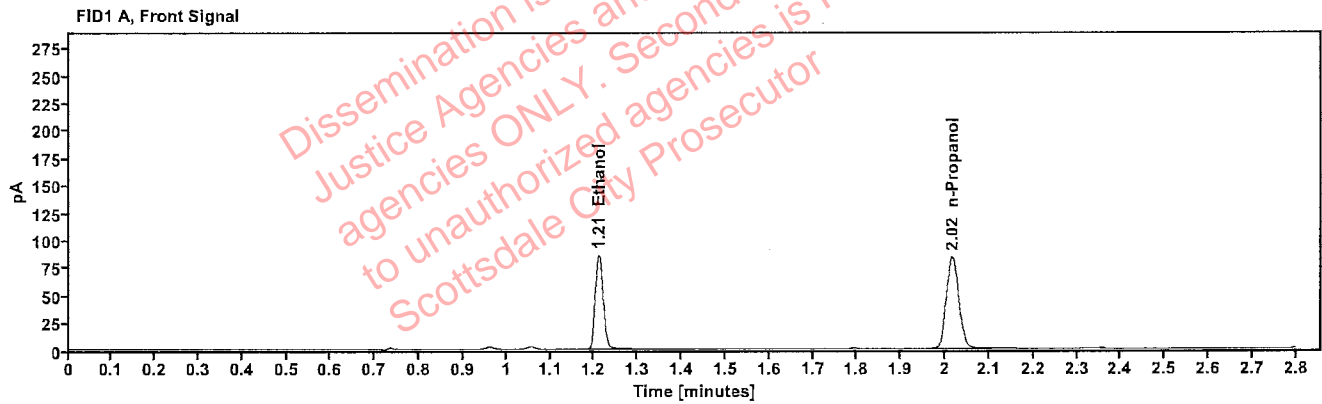


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1719	1.210	109.322
n-Propanol	-----	2.016	166.460

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

Compound	Time (min)	Peak Area
Ethanol	1.357	119.873
n-Propanol	2.435	181.539

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.G.	Vial:	17
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:43:44 PM
Data file:	C:\Chem32\1\Data\05Apr23\17.D	Analyst:	Abbott

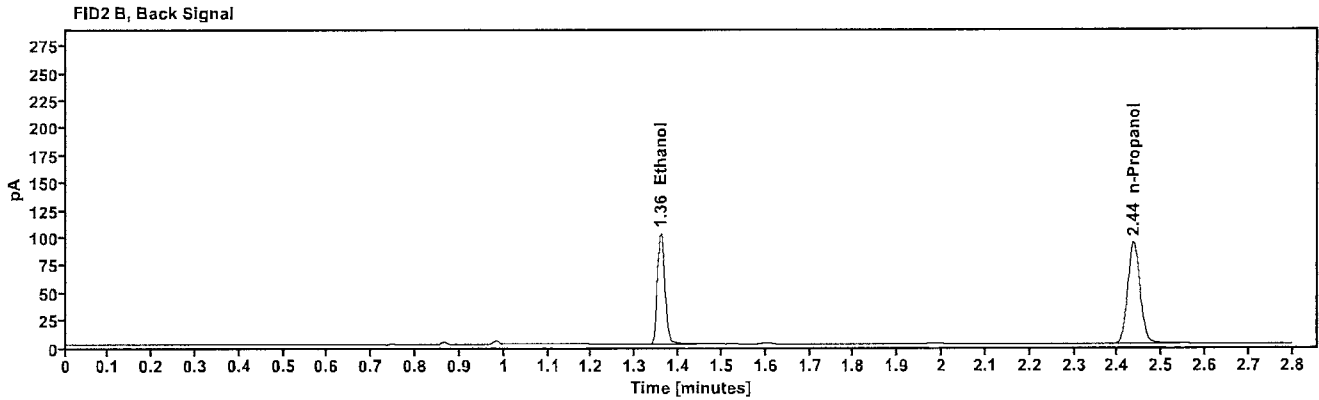
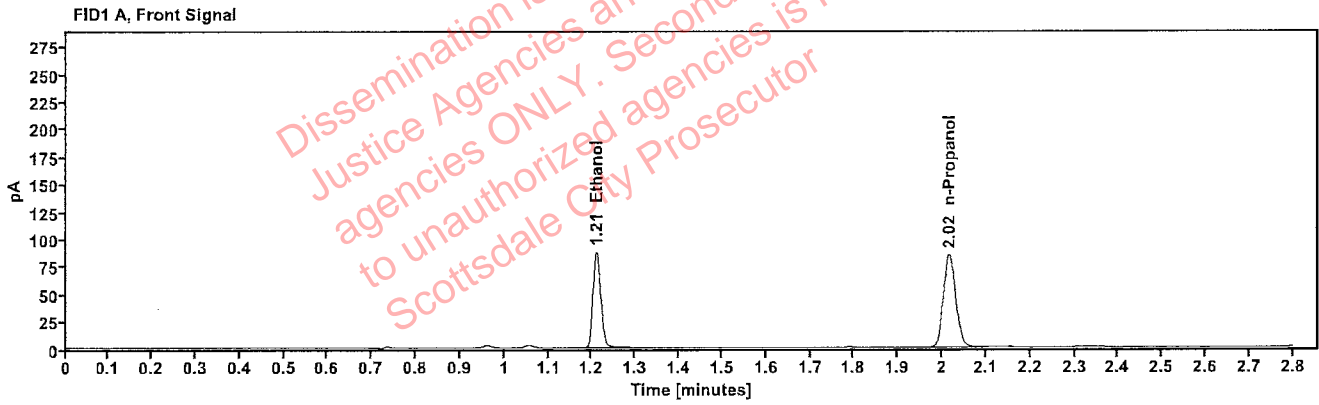


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1739	1.210	111.960
n-Propanol	-----	2.016	168.414

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

Compound	Time (min)	Peak Area
Ethanol	1.358	122.602
n-Propanol	2.436	183.840

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	326-01E.C.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:47:44 PM
Data file:	C:\Chem32\1\Data\05Apr23\18.D	Analyst:	Abbott

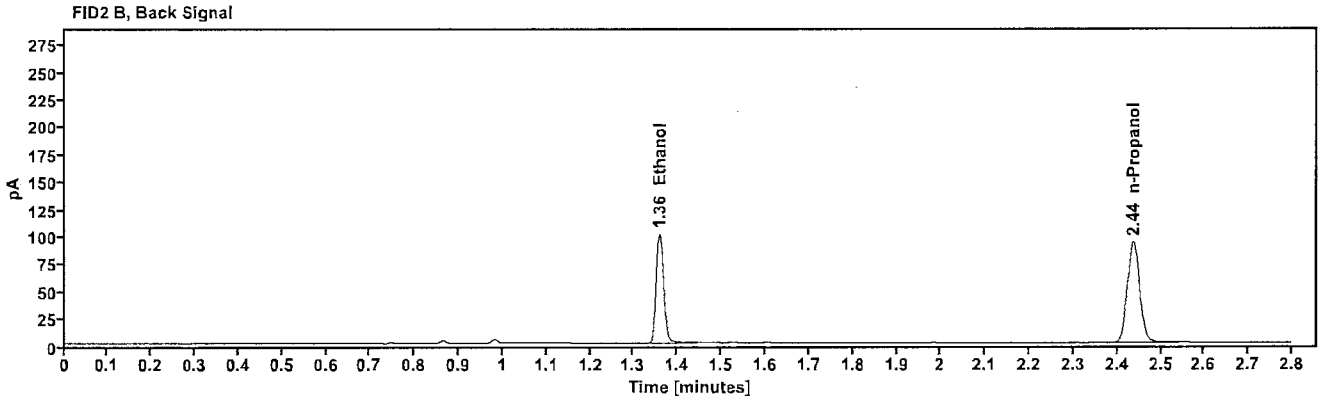
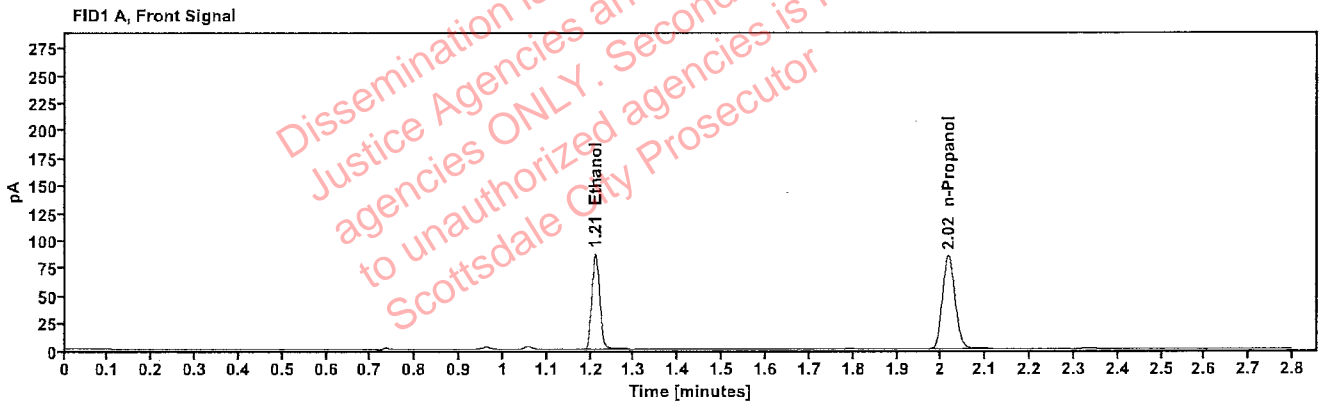


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1721	1.211	110.887
n-Propanol	-----	2.016	168.578

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

Compound	Time (min)	Peak Area
Ethanol	1.358	121.455
n-Propanol	2.436	183.704

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	326-01E.C.	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:51:59 PM
Data file:	C:\Chem32\1\Data\05Apr23\19.D	Analyst:	Abbott

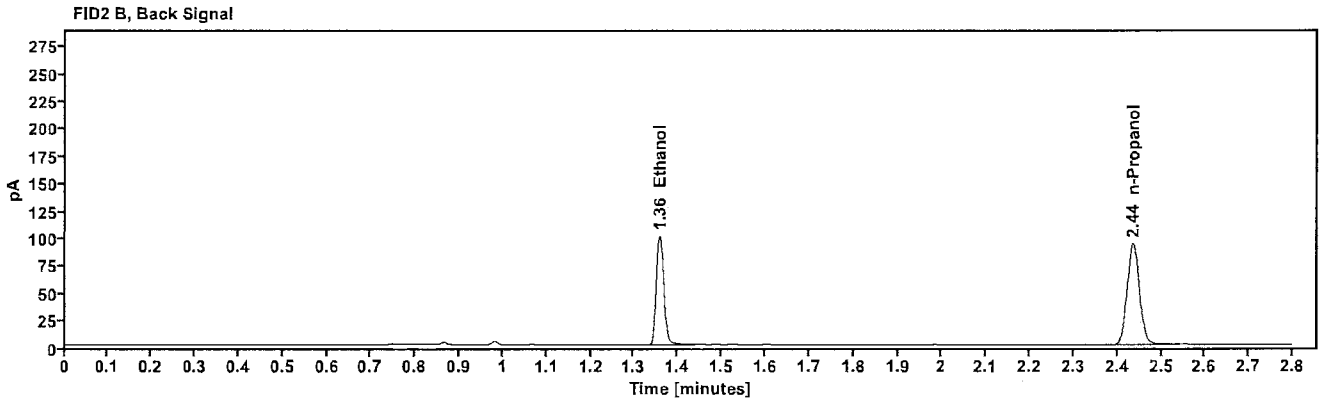
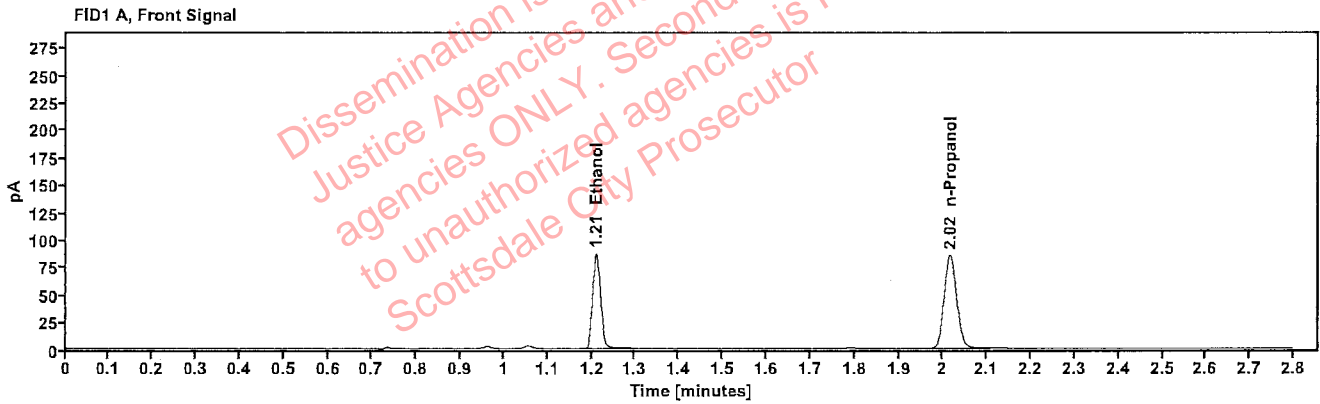


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1710	1.210	110.556
n-Propanol	---	2.016	169.184

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

Compound	Time (min)	Peak Area
Ethanol	1.358	120.894
n-Propanol	2.436	183.984

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	318-01M.S.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 12:59:59 PM
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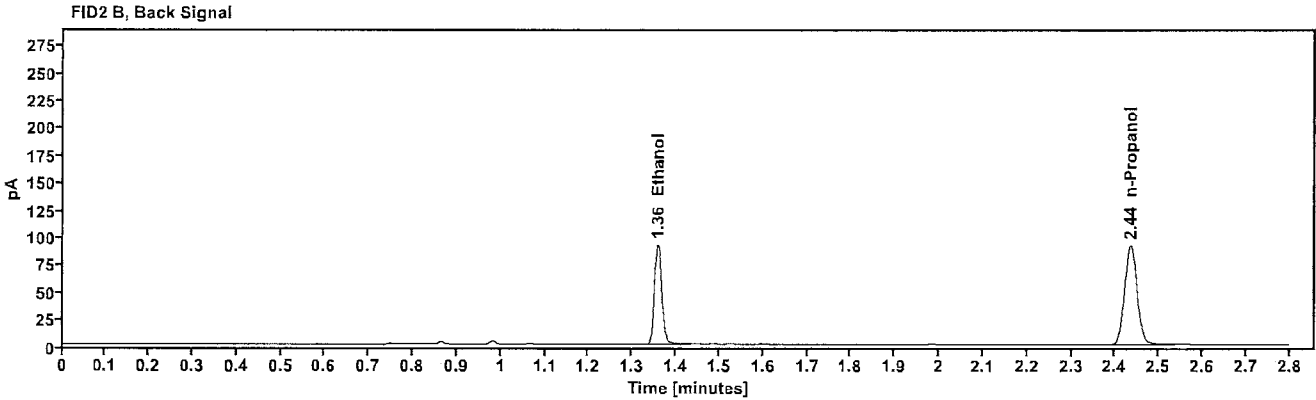
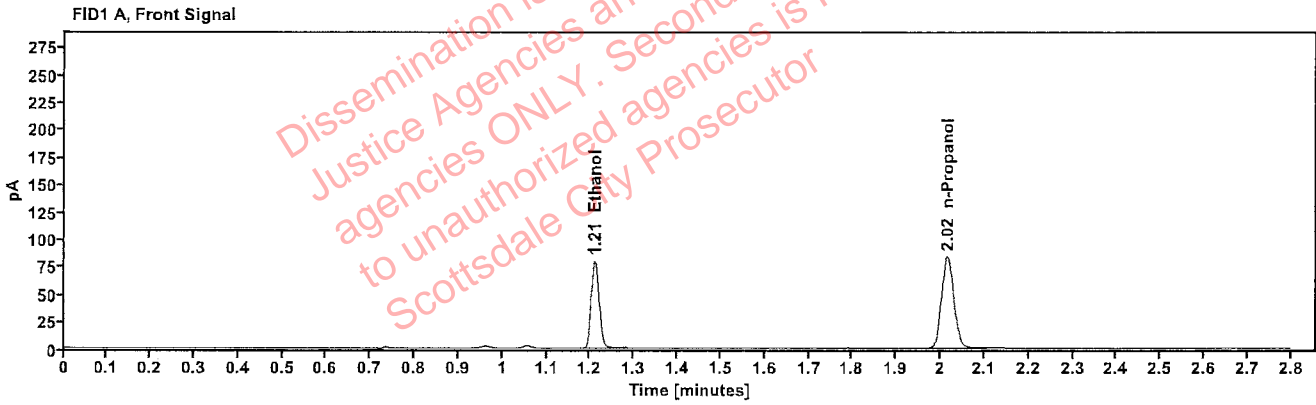


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1593	1.210	101.059
n-Propanol	-----	2.016	166.143

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

Compound	Time (min)	Peak Area
Ethanol	1.357	110.349
n-Propanol	2.435	180.473

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	318-01M.S.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:03:59 PM
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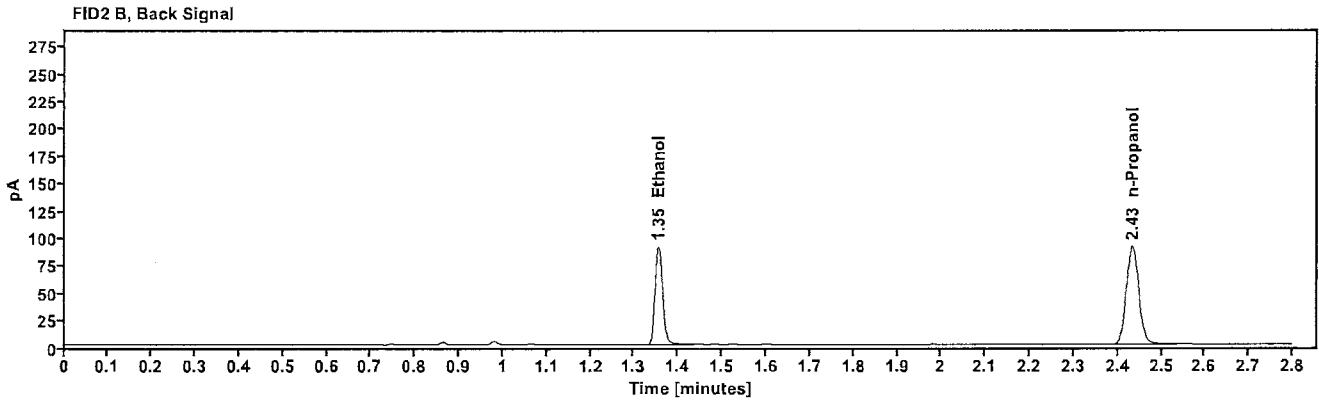
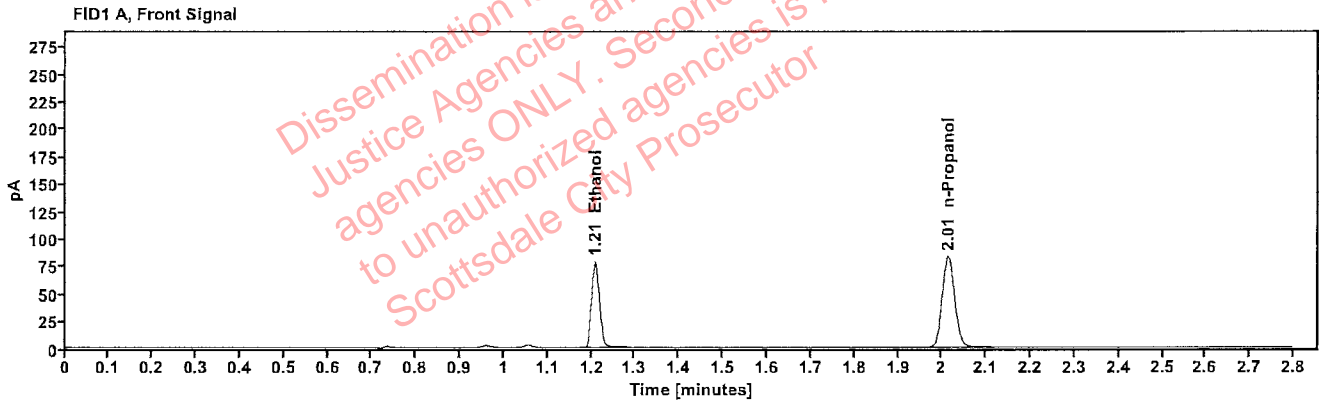


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1578	1.209	99.092
n-Propanol	---	2.014	164.521

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

Compound	Time (min)	Peak Area
Ethanol	1.355	108.313
n-Propanol	2.433	178.897



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01K.M.	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:07:59 PM
Data file:	C:\Chem32\1\Data\05Apr23\23.D	Analyst:	Abbott

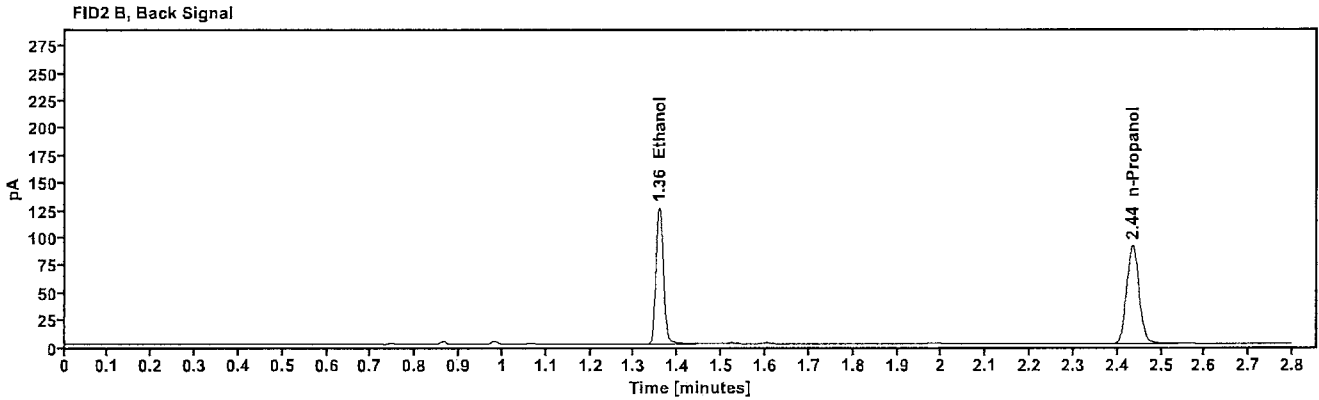
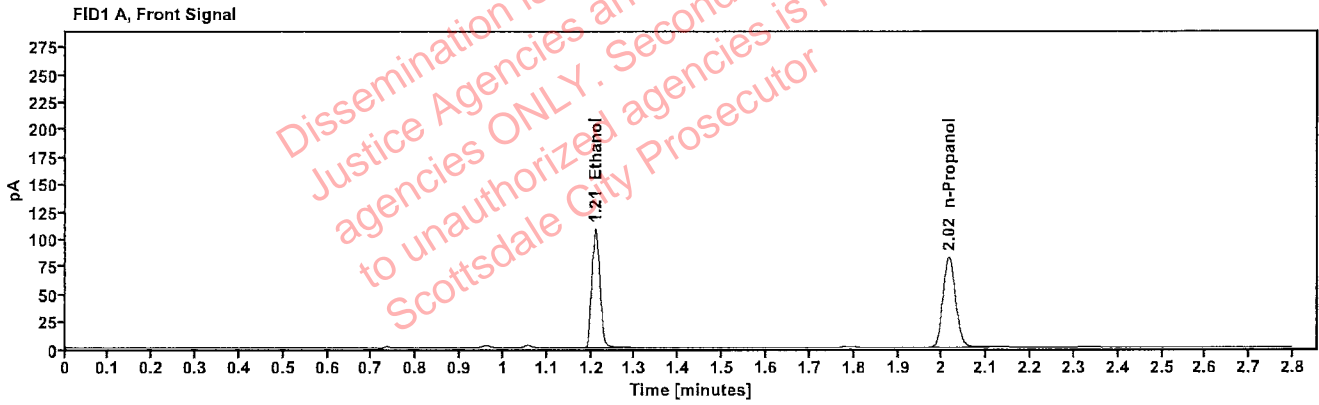


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2200	1.210	137.691
n-Propanol	-----	2.016	163.379

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

Compound	Time (min)	Peak Area
Ethanol	1.357	150.976
n-Propanol	2.435	177.862

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01K.M.	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:11:59 PM
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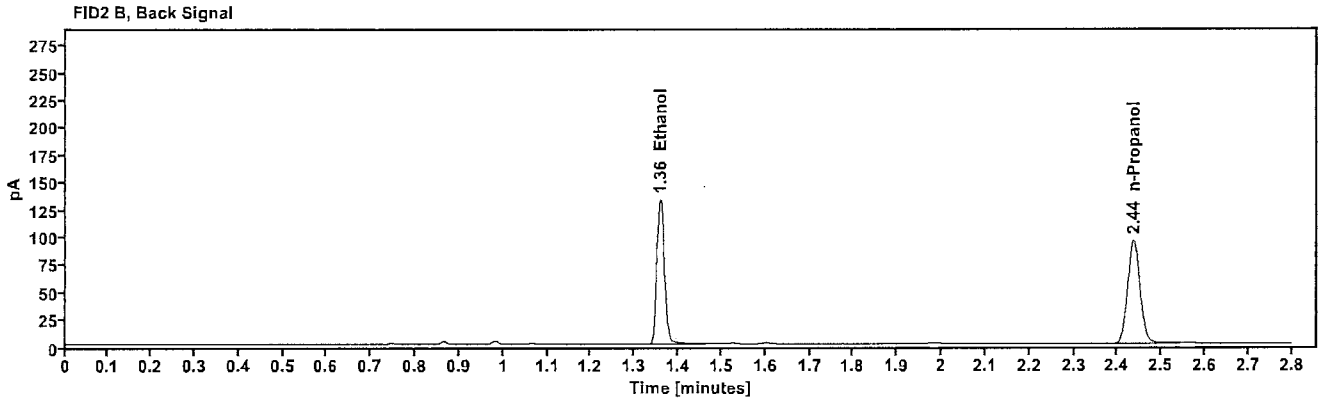
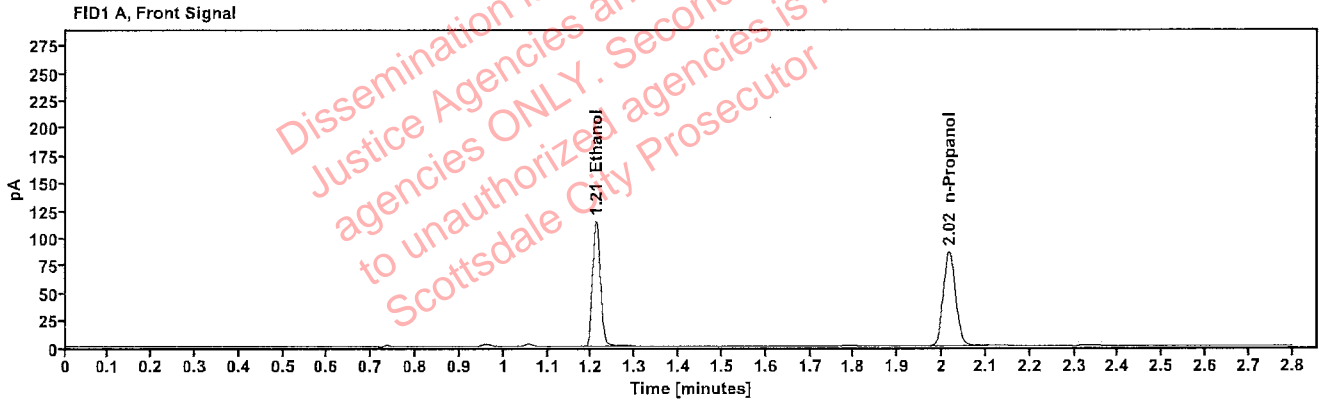


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2218	1.210	145.654
n-Propanol	---	2.016	171.357

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

Compound	Time (min)	Peak Area
Ethanol	1.358	160.933
n-Propanol	2.436	186.429

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	403-01R.M.	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:16:14 PM
Data file:	C:\Chem32\1\Data\05Apr23\25.D	Analyst:	Abbott

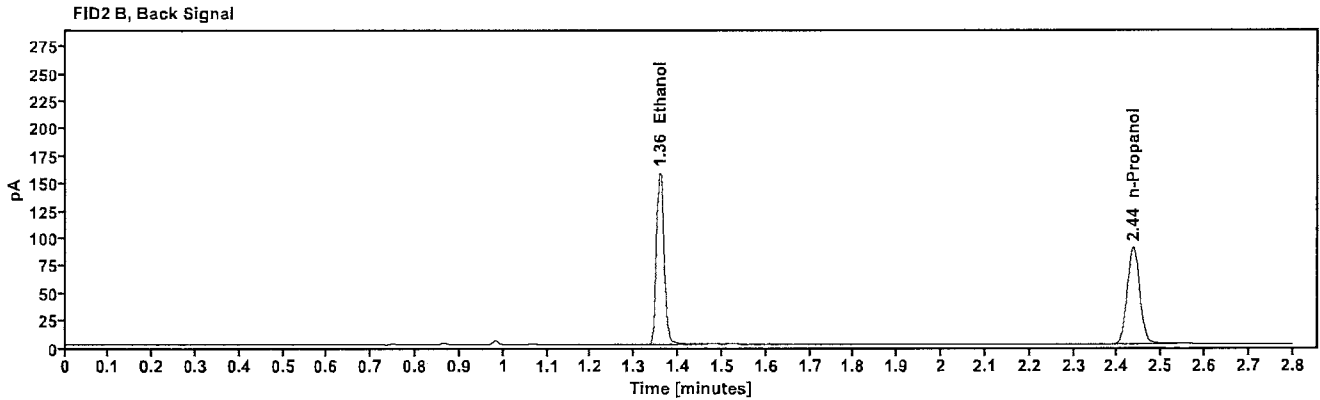
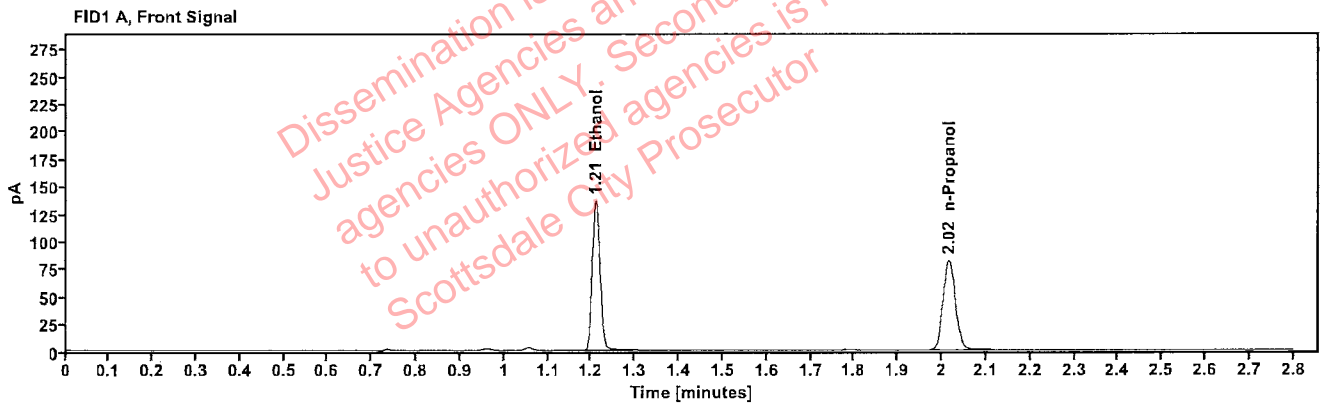


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2780	1.210	173.490
n-Propanol	-----	2.016	162.576

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

Compound	Time (min)	Peak Area
Ethanol	1.357	190.330
n-Propanol	2.436	176.663

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	403-01R.M.	Vial:	26
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:20:14 PM
Data file:	C:\Chem32\1\Data\05Apr23\26.D	Analyst:	Abbott

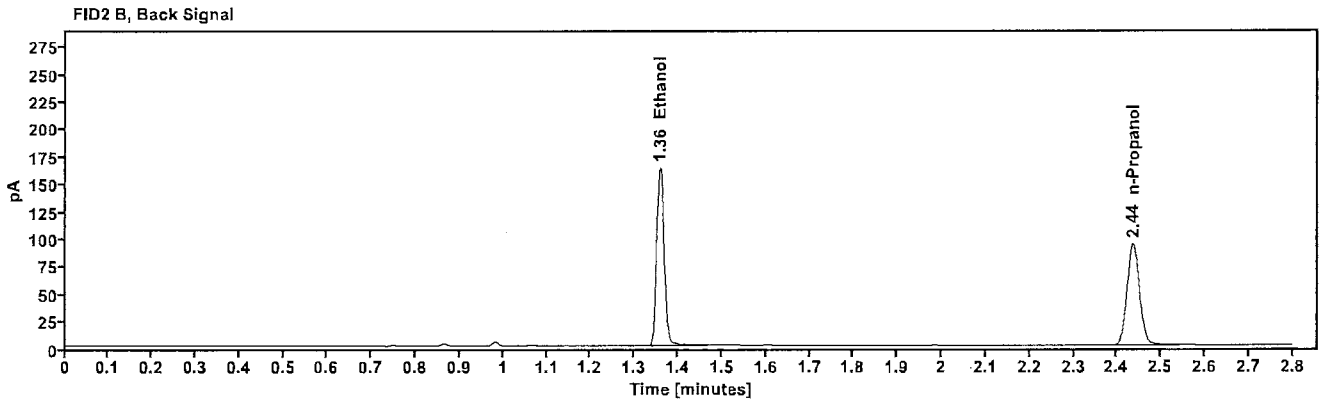
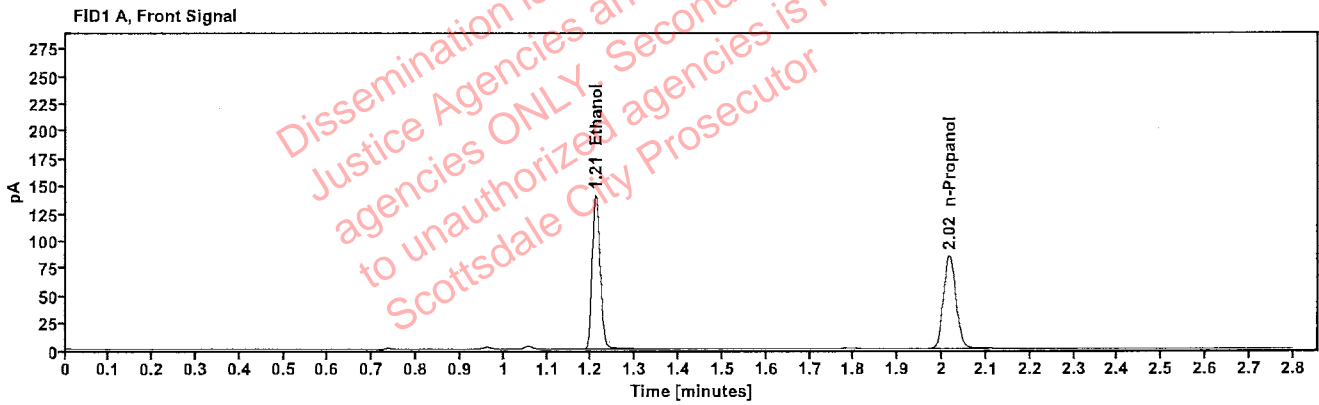


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2760	1.210	179.270
n-Propanol	-----	2.016	169.238

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

Compound	Time (min)	Peak Area
Ethanol	1.358	196.775
n-Propanol	2.436	183.971

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01P.W.	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:24:14 PM
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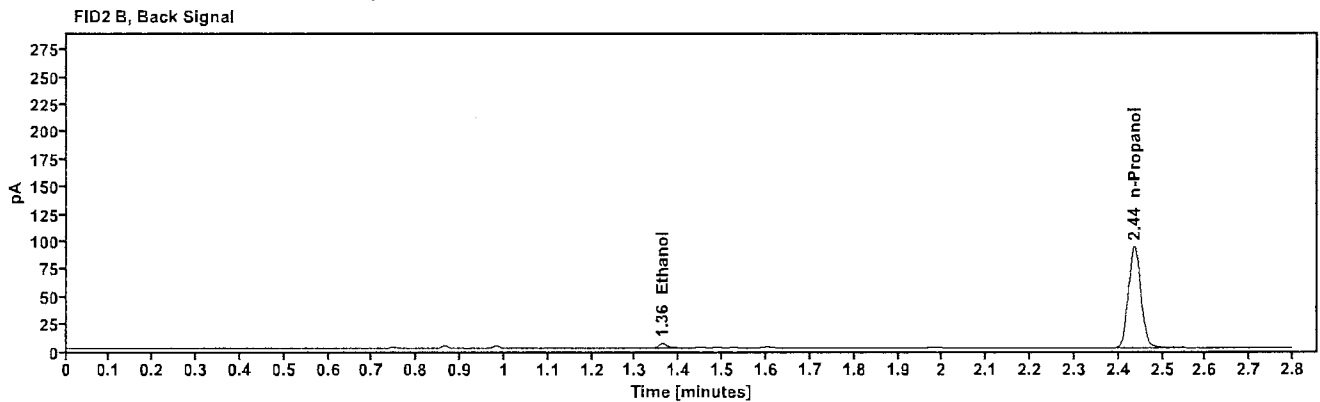
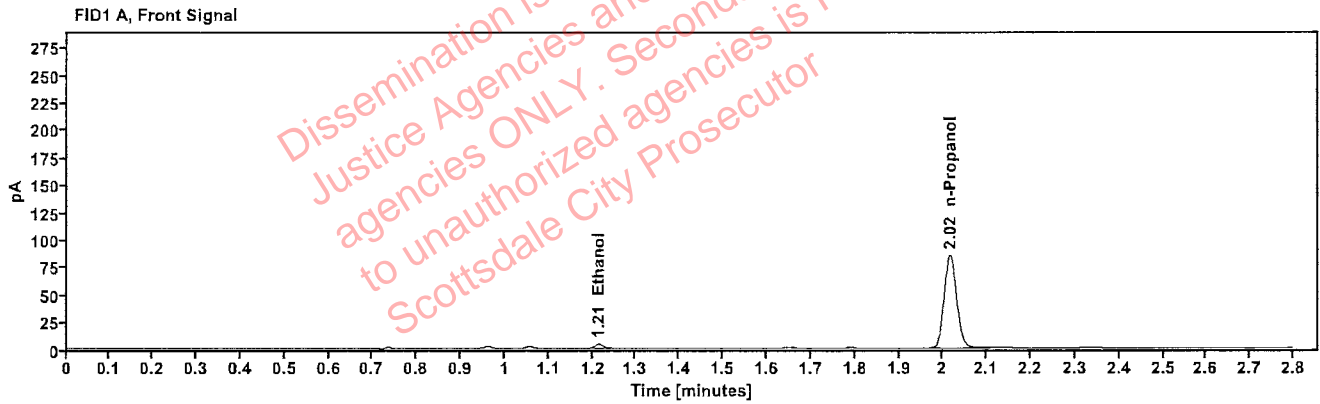


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0098	1.214	5.105
n-Propanol	-----	2.016	168.660

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

Compound	Time (min)	Peak Area
Ethanol	1.361	5.938
n-Propanol	2.436	183.964

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01P.W.	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:28:14 PM
Data file:	C:\Chem32\1\Data\05Apr23\28.D	Analyst:	Abbott

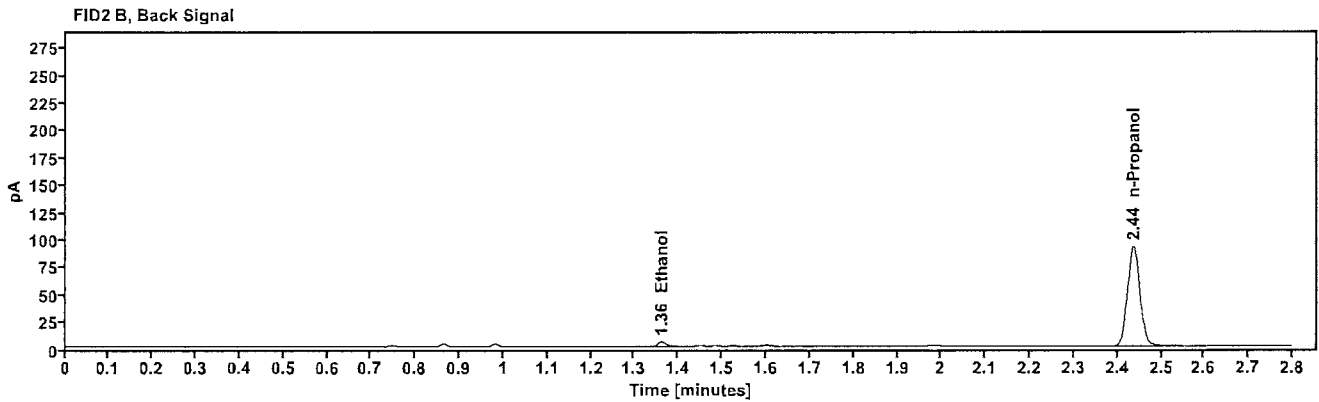
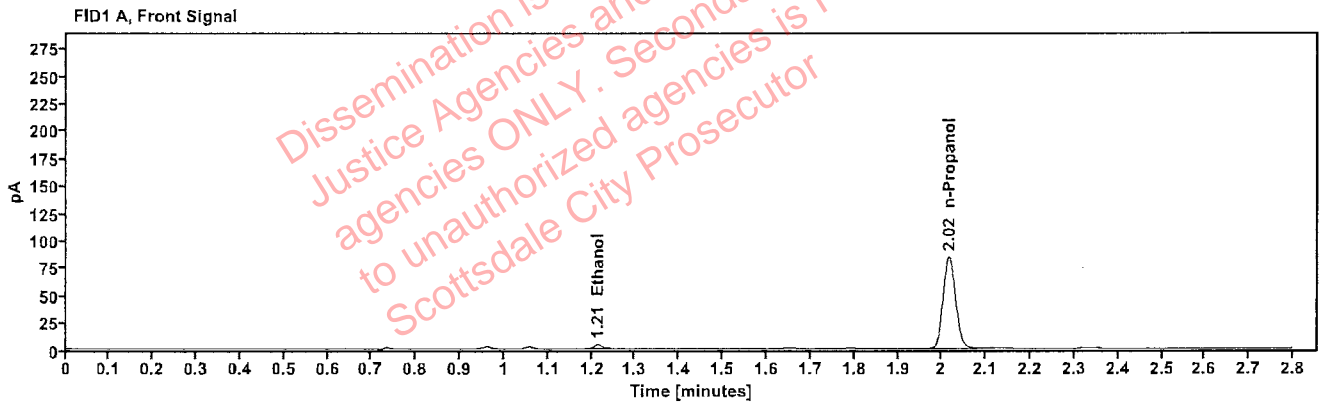


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0097	1.214	4.960
n-Propanol	-----	2.016	166.752

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

Compound	Time (min)	Peak Area
Ethanol	1.361	5.745
n-Propanol	2.436	181.953

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01T.R.	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:32:14 PM
Data file:	C:\Chem32\1\Data\05Apr23\29.D	Analyst:	Abbott

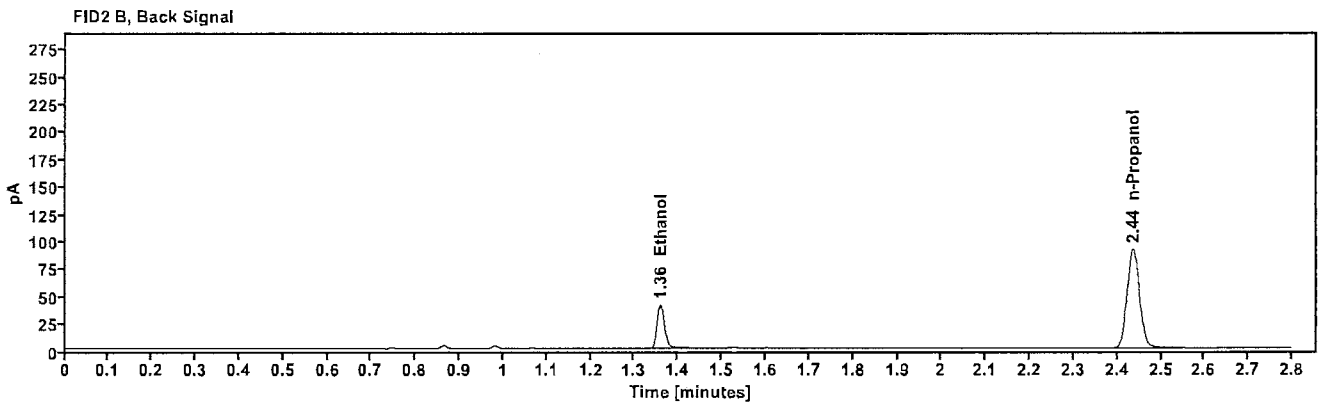
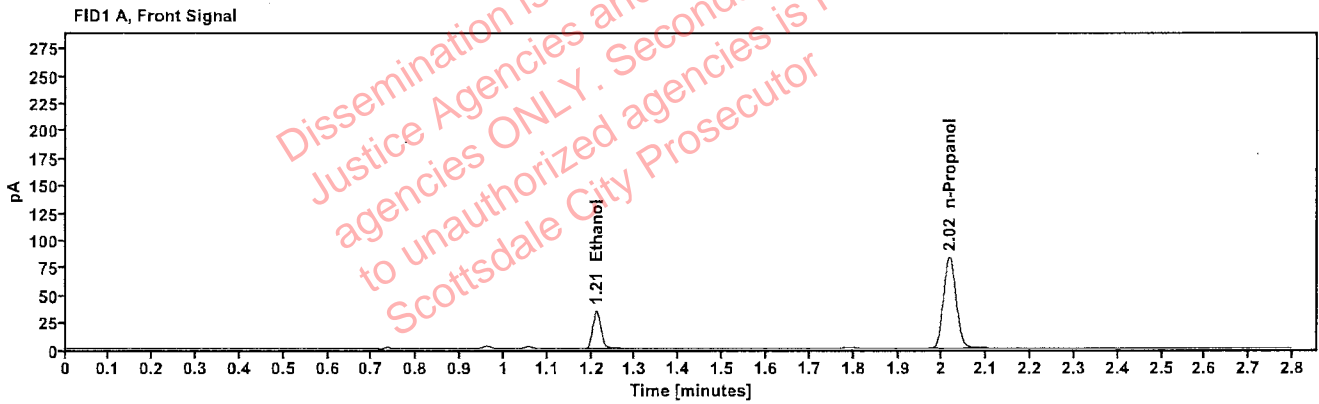


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0717	1.211	44.768
n-Propanol	-----	2.016	166.184

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

Compound	Time (min)	Peak Area
Ethanol	1.359	48.667
n-Propanol	2.436	181.022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01T.R.	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:36:14 PM
Data file:	C:\Chem32\1\Data\05Apr23\30.D	Analyst:	Abbott

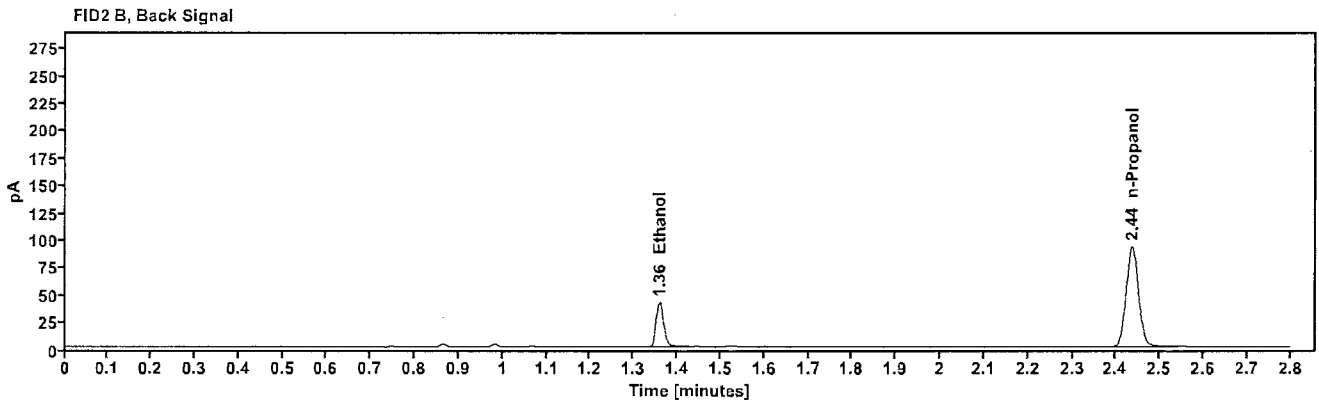
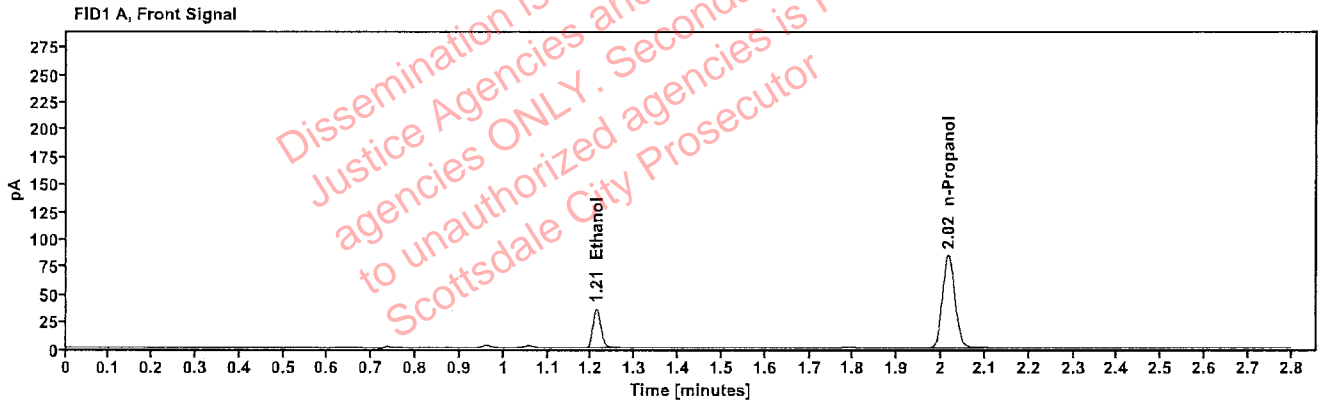


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0720	1.211	45.484
n-Propanol	-----	2.016	167.930

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

Compound	Time (min)	Peak Area
Ethanol	1.359	49.480
n-Propanol	2.436	182.702



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	408-01N.E.	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:44:29 PM
Data file:	C:\Chem32\1\Data\05Apr23\32.D	Analyst:	Abbott

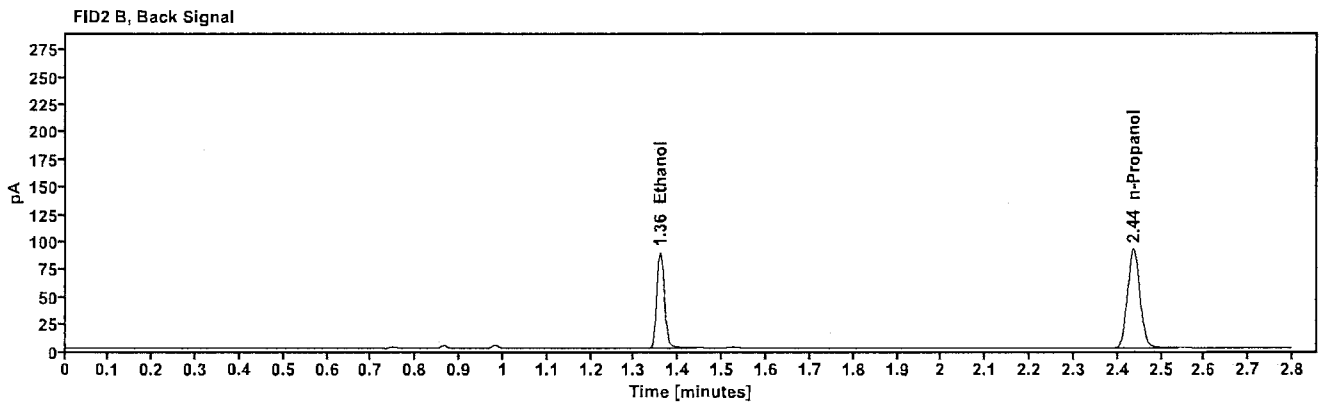
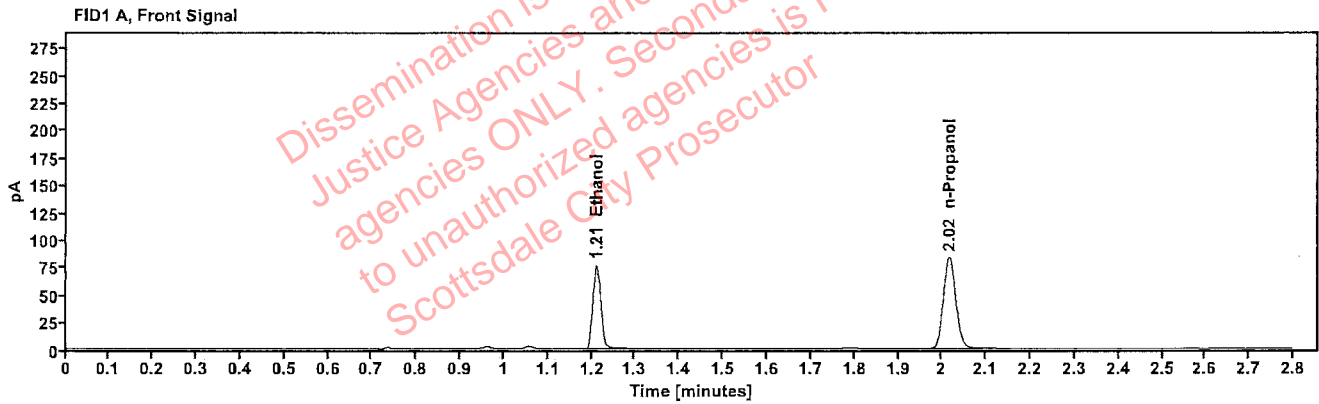


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1538	1.211	97.498
n-Propanol	-----	2.016	166.100

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

Compound	Time (min)	Peak Area
Ethanol	1.359	106.408
n-Propanol	2.436	180.252

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	408-01N.E.	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:48:30 PM
Data file:	C:\Chem32\1\Data\05Apr23\33.D	Analyst:	Abbott

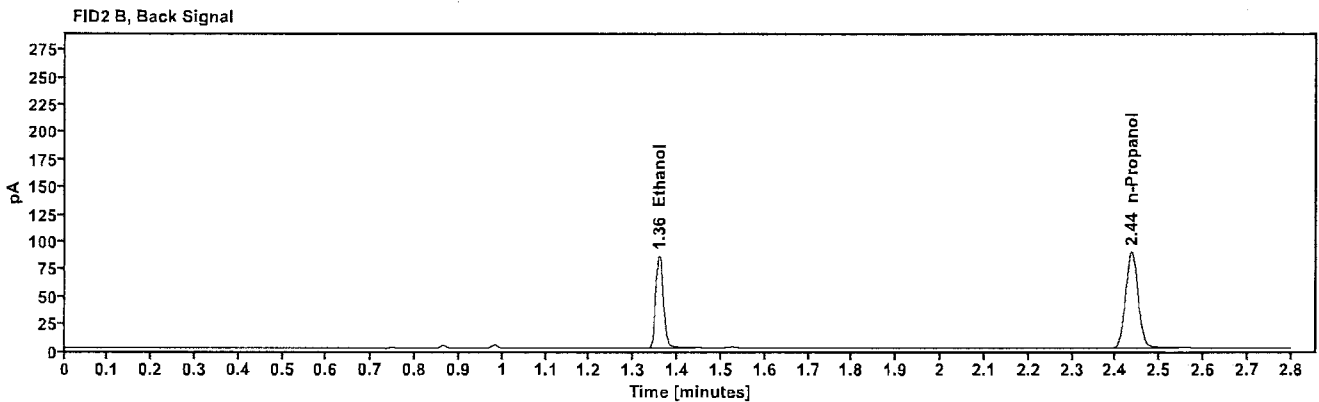
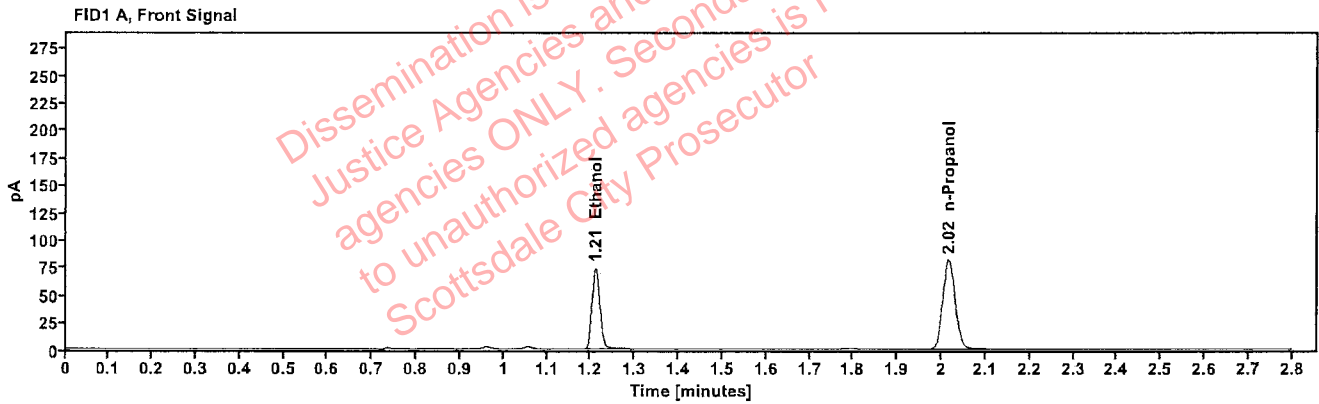


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1525	1.210	93.973
n-Propanol	---	2.016	161.443

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

Compound	Time (min)	Peak Area
Ethanol	1.358	102.627
n-Propanol	2.436	175.582

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	176-01G.P.	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:52:30 PM
Data file:	C:\Chem32\1\Data\05Apr23\34.D	Analyst:	Abbott

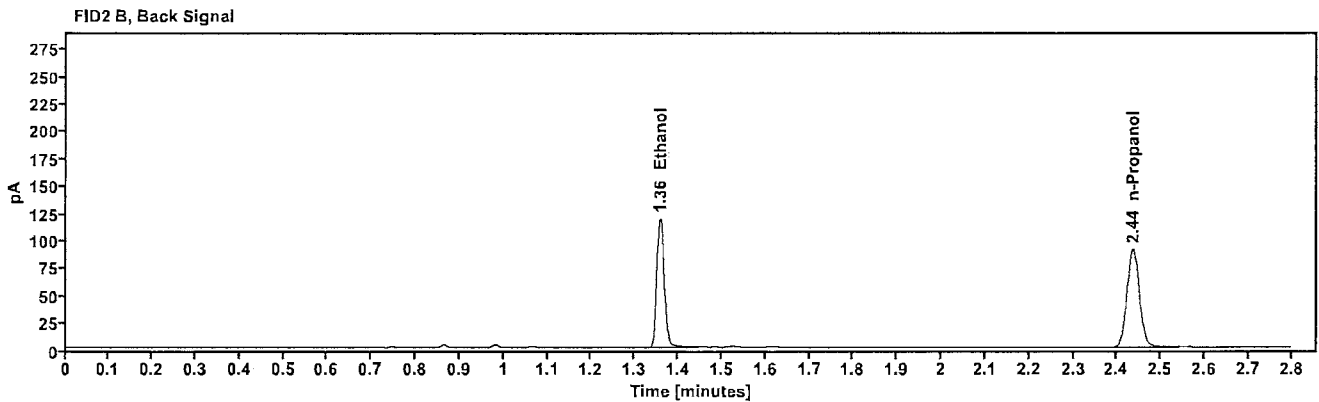
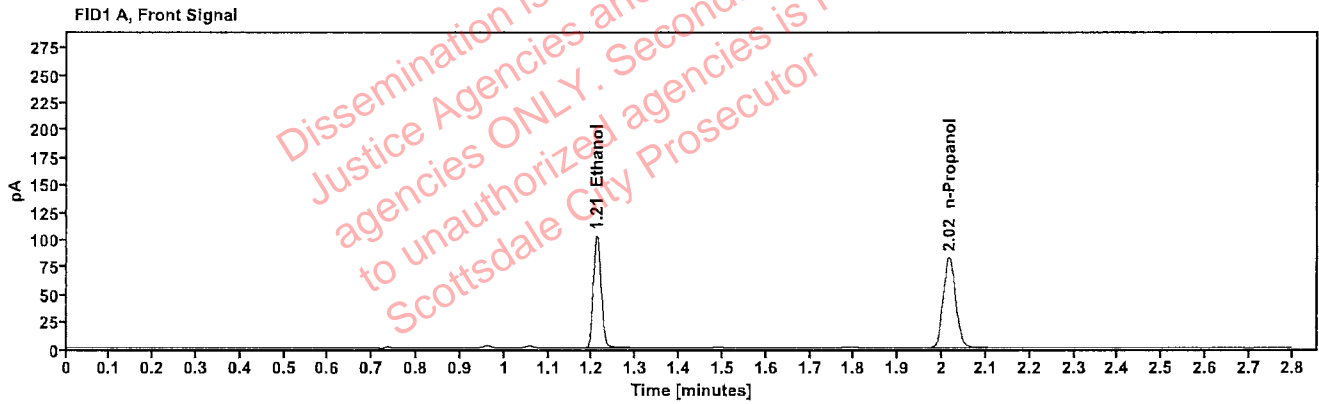


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2076	1.210	130.876
n-Propanol	-----	2.016	164.617

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

Compound	Time (min)	Peak Area
Ethanol	1.358	143.326
n-Propanol	2.436	178.838

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	176-01G.P.	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 1:56:30 PM
Data file:	C:\Chem32\1\Data\05Apr23\35.D	Analyst:	Abbott

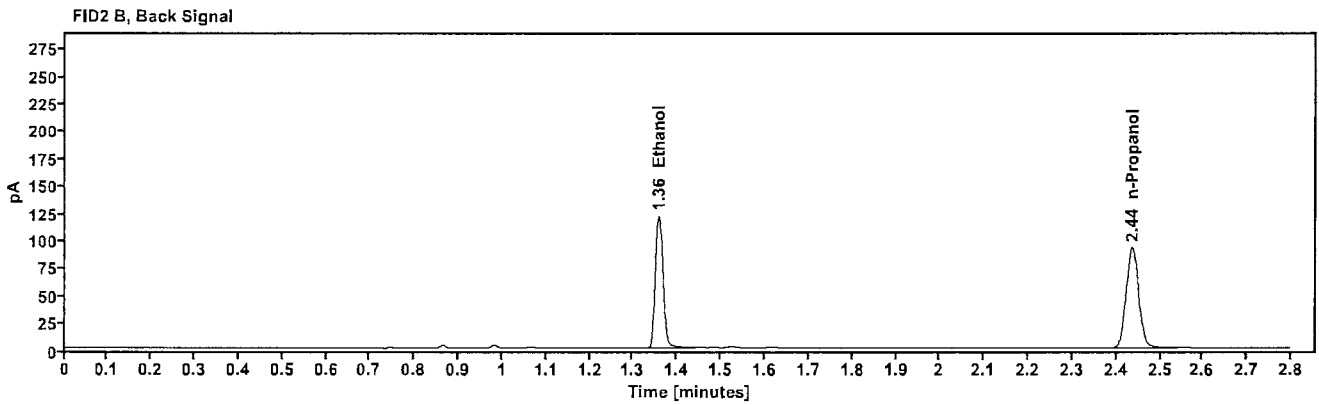
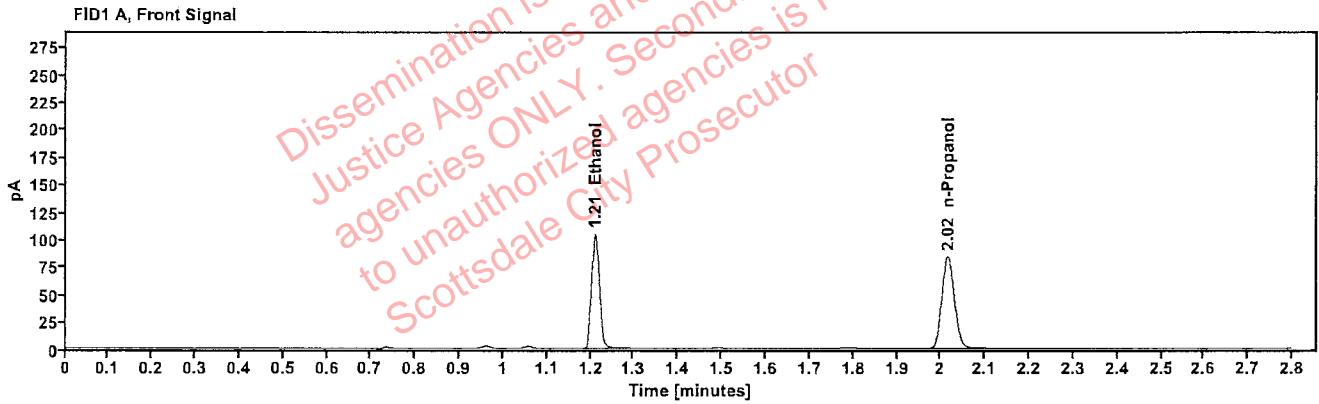


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2082	1.210	133.057
n-Propanol	-----	2.016	166.922

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

Compound	Time (min)	Peak Area
Ethanol	1.358	145.462
n-Propanol	2.436	181.369

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306613-1	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 2:00:30 PM
Data file:	C:\Chem32\1\Data\05Apr23\36.D	Analyst:	Abbott

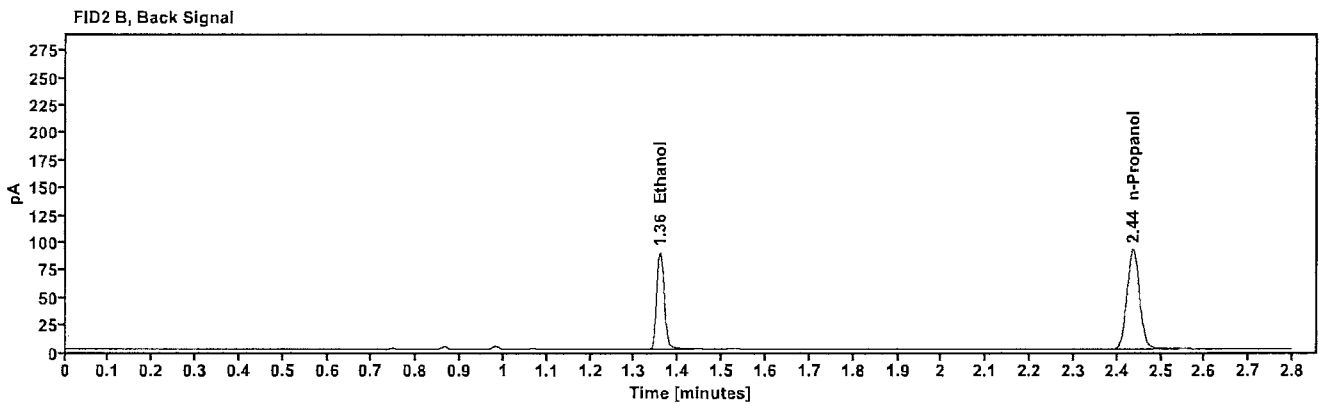
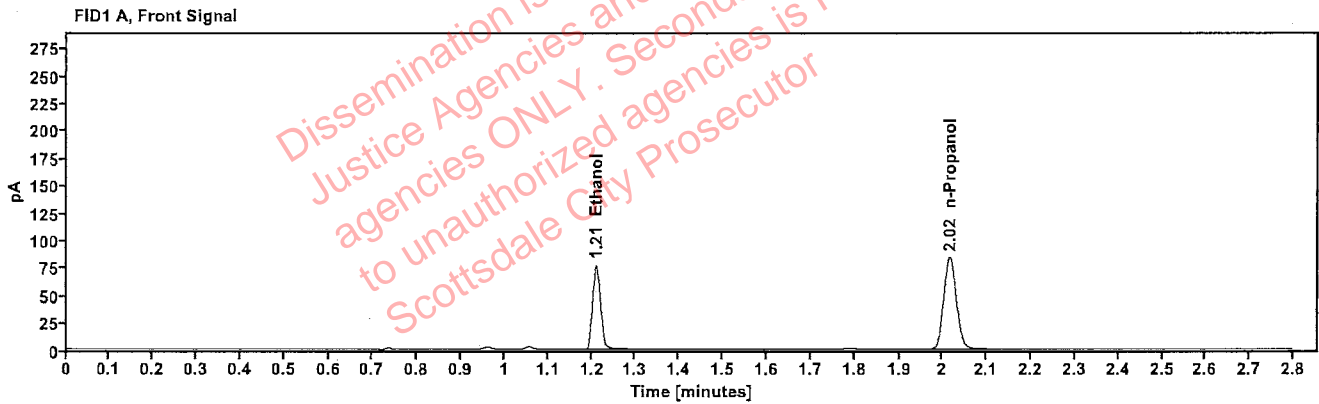


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1545	1.211	98.262
n-Propanol	-----	2.016	166.684

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

Compound	Time (min)	Peak Area
Ethanol	1.358	107.115
n-Propanol	2.436	181.221

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306613-1	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 2:04:44 PM
Data file:	C:\Chem32\1\Data\05Apr23\37.D	Analyst:	Abbott

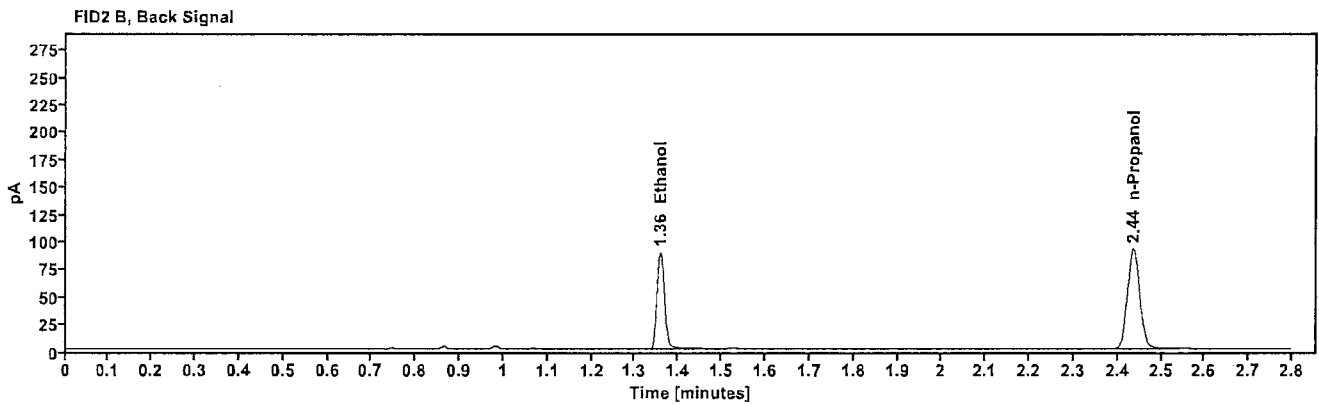
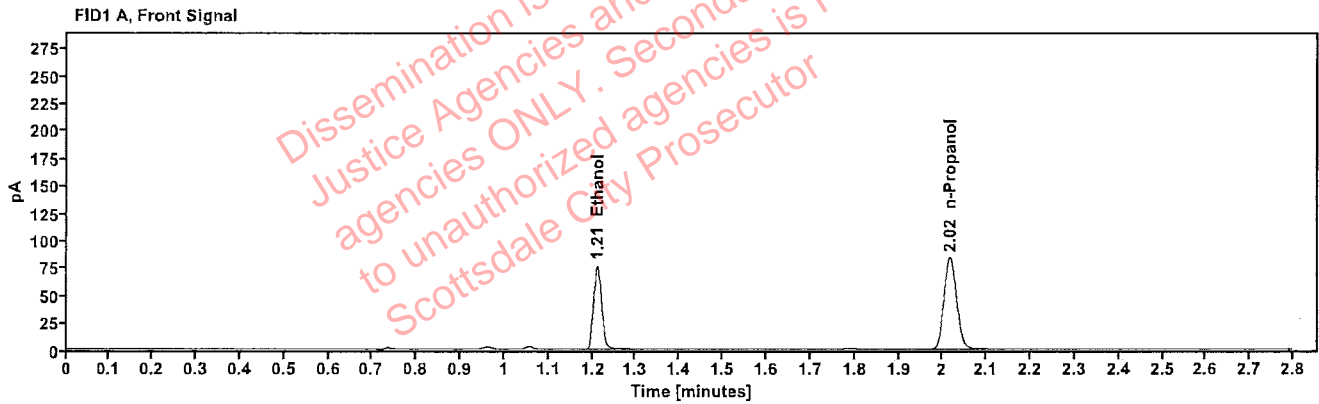


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1541	1.211	97.933
n-Propanol	-----	2.016	166.541

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

Compound	Time (min)	Peak Area
Ethanol	1.358	106.811
n-Propanol	2.436	181.026

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306372-1	Vial:	38
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 2:08:45 PM
Data file:	C:\Chem32\1\Data\05Apr23\38.D	Analyst:	Abbott

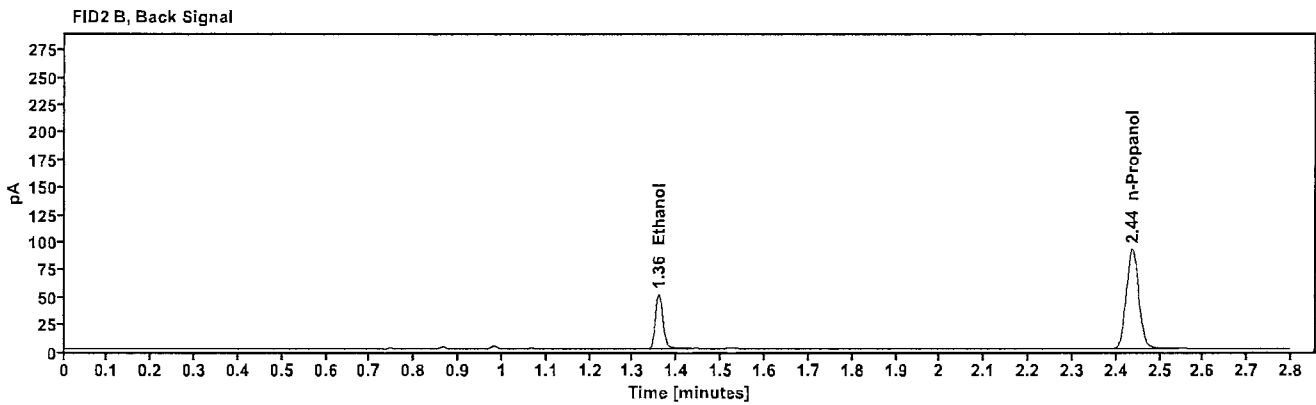
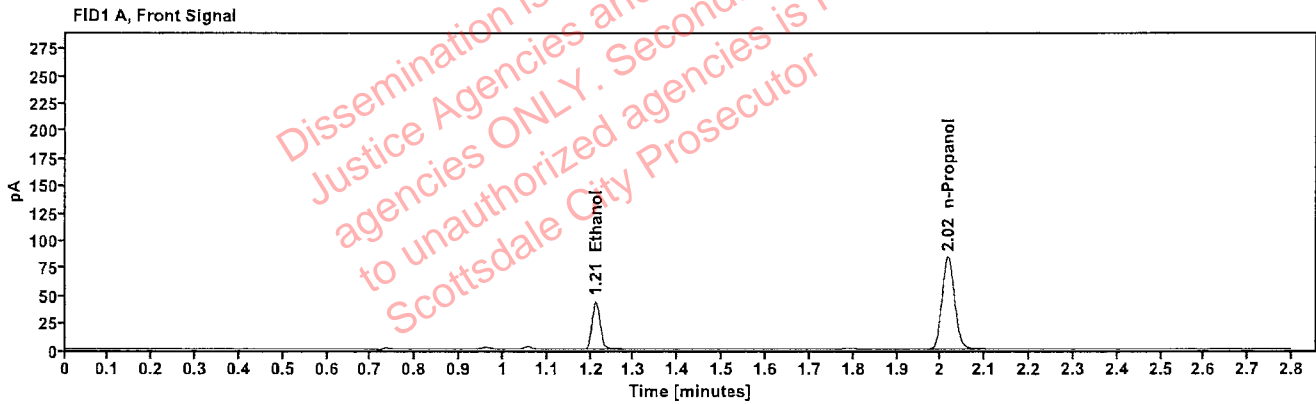


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0887	1.211	55.771
n-Propanol	----	2.016	166.451

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

Compound	Time (min)	Peak Area
Ethanol	1.359	60.581
n-Propanol	2.436	180.845

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306372-1	Vial:	39
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/5/2023 2:12:45 PM
Data file:	C:\Chem32\1\Data\05Apr23\39.D	Analyst:	Abbott

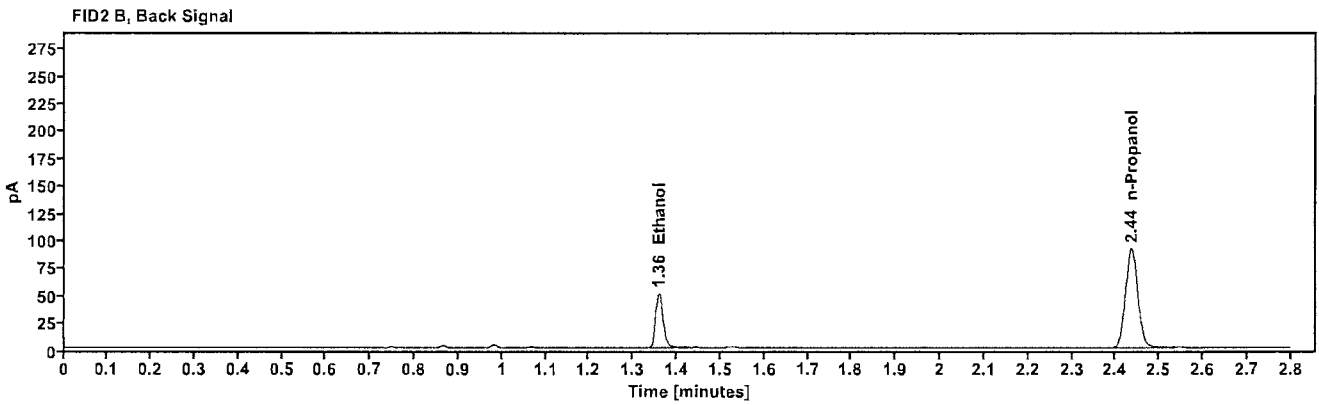
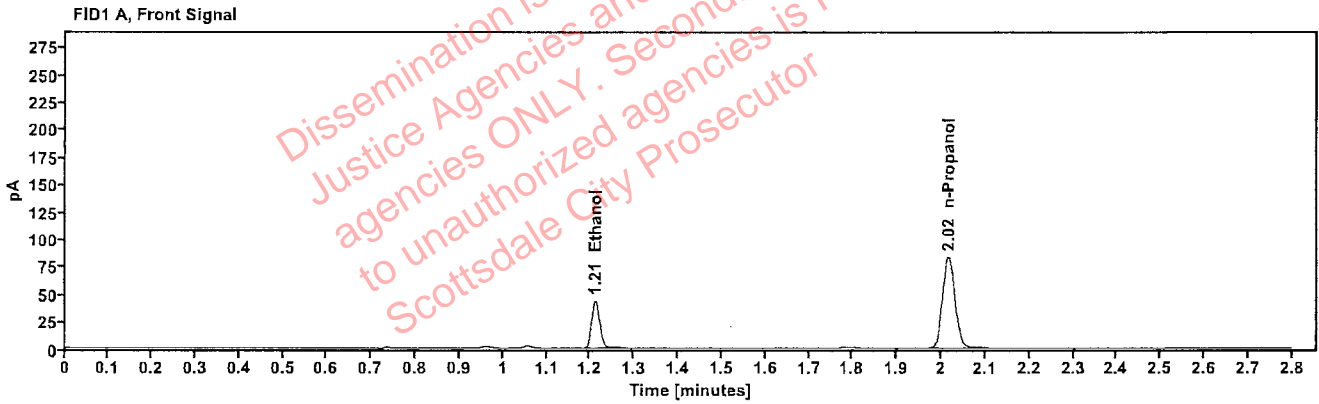


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0885	1.211	55.446
n-Propanol	----	2.016	165.689

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

Compound	Time (min)	Peak Area
Ethanol	1.359	60.231
n-Propanol	2.436	179.974