

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 07/11/2023 SEQUENCE NAME 11Jul23

**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 0.99999  
 Vial 3 0.20 calibrator Lot FN02052101  
 Vial 4 0.40 calibrator Lot FN03052102

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

<u>Vial</u>	<u>Sample</u>	<u>Expected result</u>	<u>Measured result</u>	<u>Manufacturer/lot</u>
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	0.402 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/10
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.082 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/10
45	Blank	Not detected	Not detected	SPD lab 060223AQ

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

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

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

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

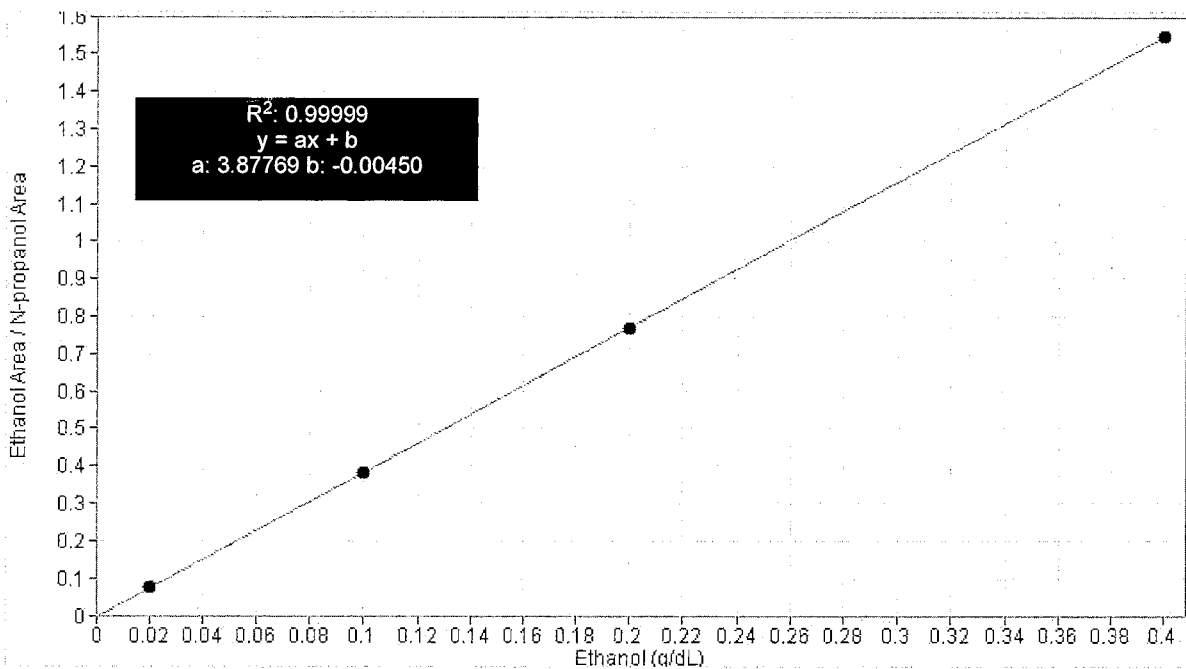
SEQUENCE NAME: 11Jul23

ANALYST: Abbott

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/10	9	0.204	0.199	2.51	0.005
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.082	0.080	2.50	0.002
0.400 30012020-A	42	0.401	0.400	0.25	0.001
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 4110320133/10	44	0.203	0.199	2.01	0.004
blank 060223AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.943	159.199	0.075
0.100	61.076	159.599	0.383
0.200	124.444	161.996	0.768
0.400	249.028	160.865	1.548

Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN10051909	Vial:	1
Description:	0.020 calibrator	Sequence:	11Jul23
Method:	ethanol quant.M	Injection date:	7/11/2023 3:00:35 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>JA</i>
Data file:	C:\Chem32\1\Data\11Jul23\1.D		

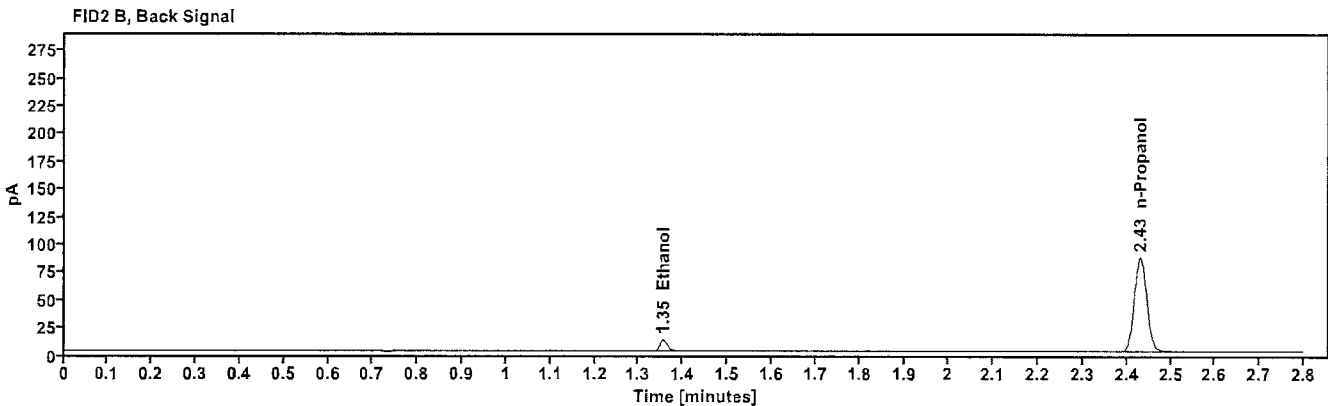
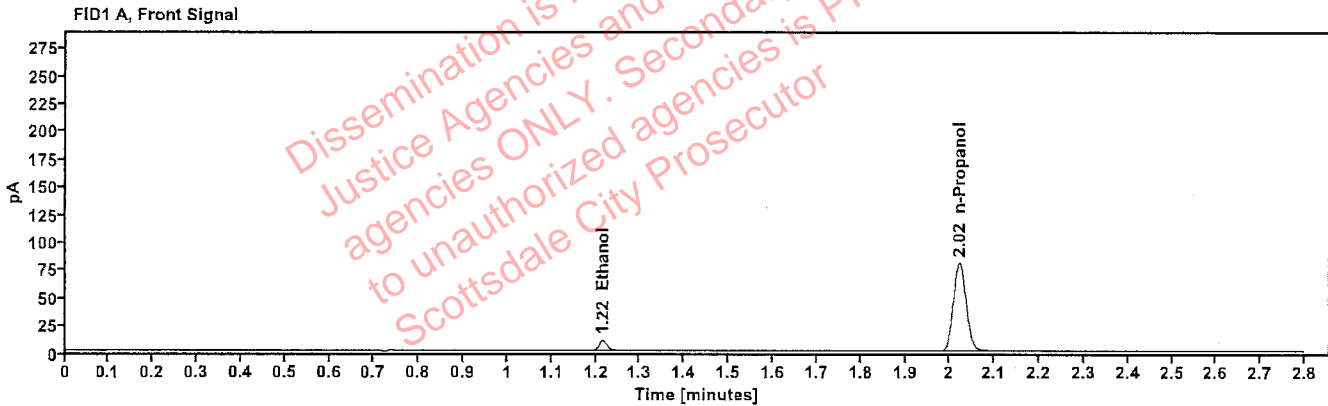


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.215	11.943
n-Propanol	2.021	159.199

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

Compound	Time (min)	Peak Area
Ethanol	1.355	12.652
n-Propanol	2.431	169.295

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 11Jul23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/11/2023 3:04:34 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>JA</i>
<b>Data file:</b> C:\Chem32\1\Data\11Jul23\2.D	

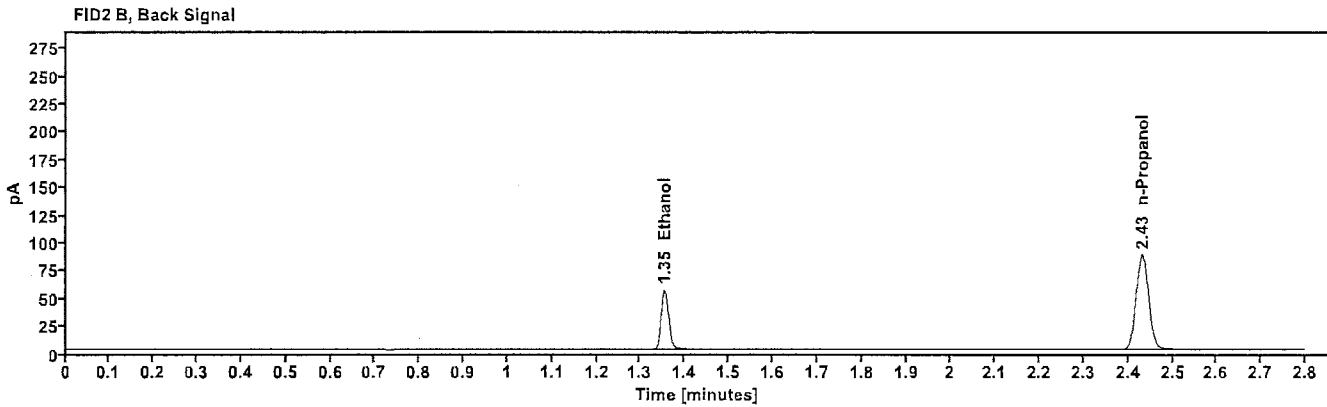
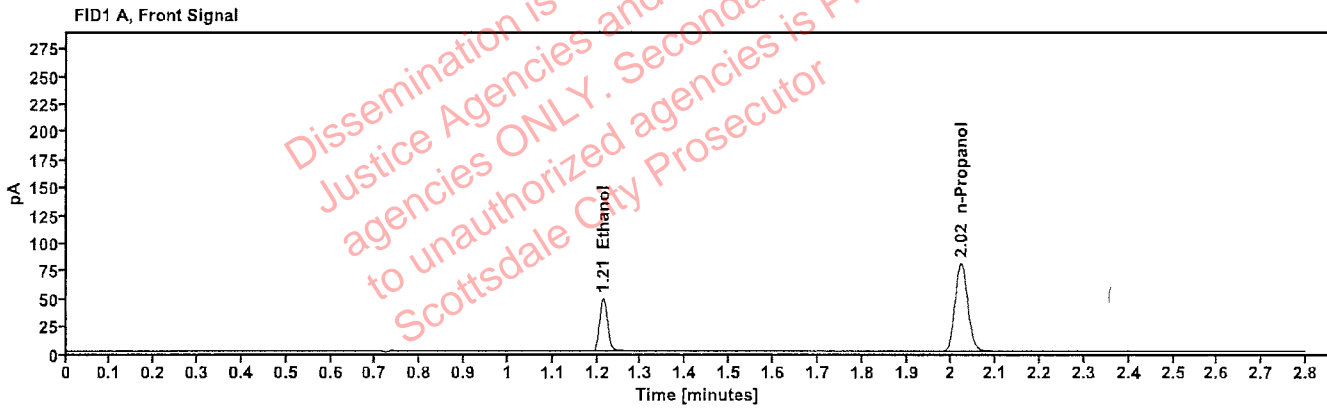


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	61.076
n-Propanol	2.022	159.599

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

Compound	Time (min)	Peak Area
Ethanol	1.354	64.945
n-Propanol	2.431	169.530

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02052101	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 11Jul23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/11/2023 3:08:34 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>AB</i>
<b>Data file:</b> C:\Chem32\1\Data\11Jul23\3.D	

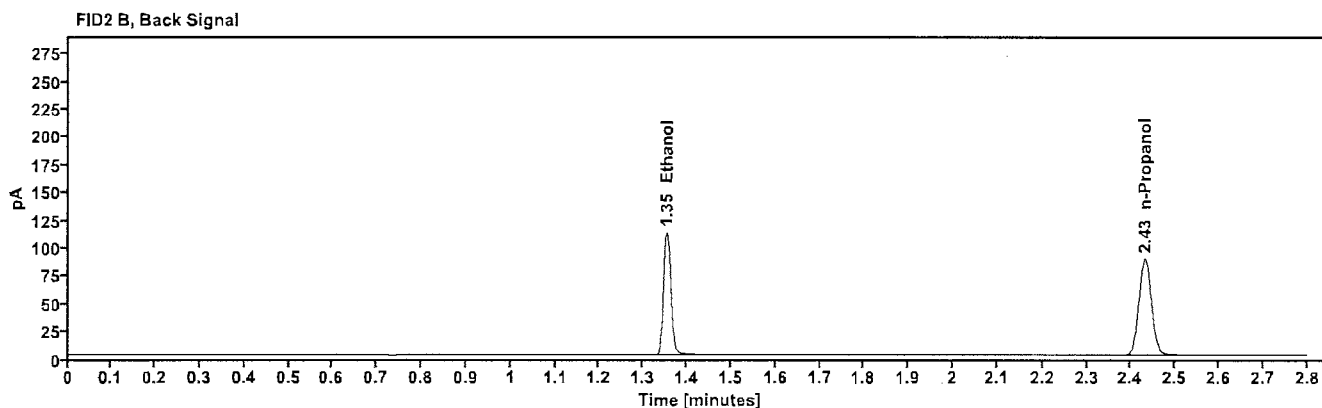
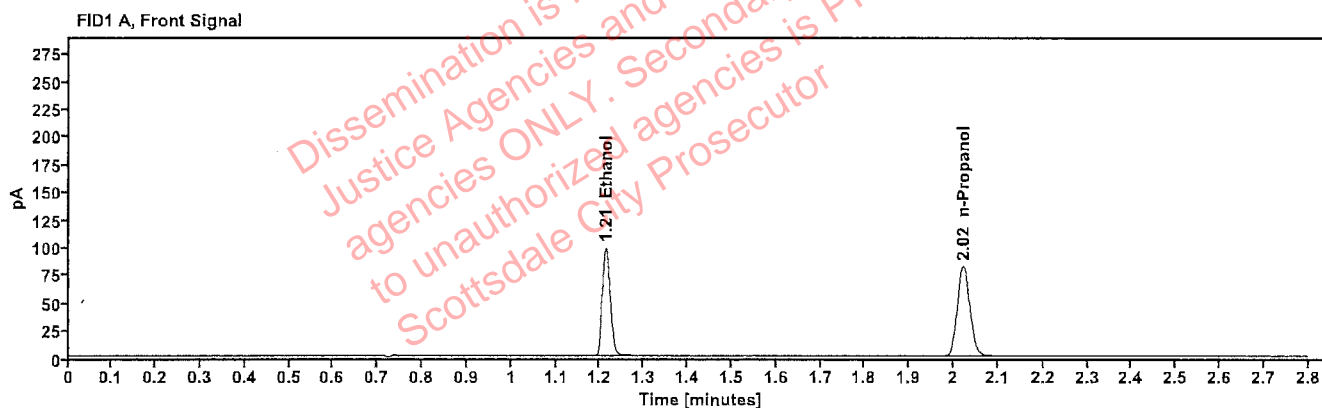


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	124.444
n-Propanol	2.022	161.996

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

Compound	Time (min)	Peak Area
Ethanol	1.354	132.653
n-Propanol	2.431	172.159

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 11Jul23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/11/2023 3:12:34 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>[Signature]</i>
<b>Data file:</b> C:\Chem32\1\Data\11Jul23\4.D	

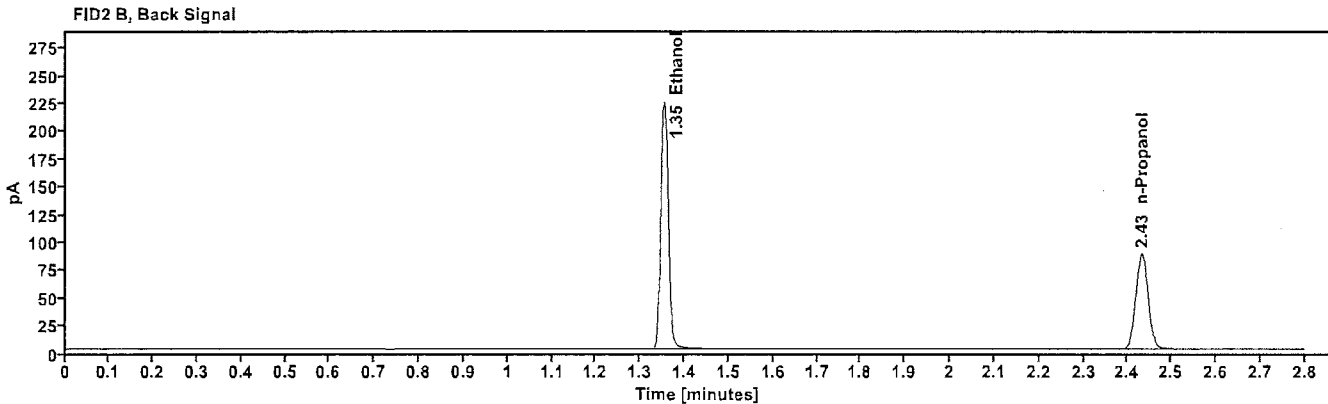
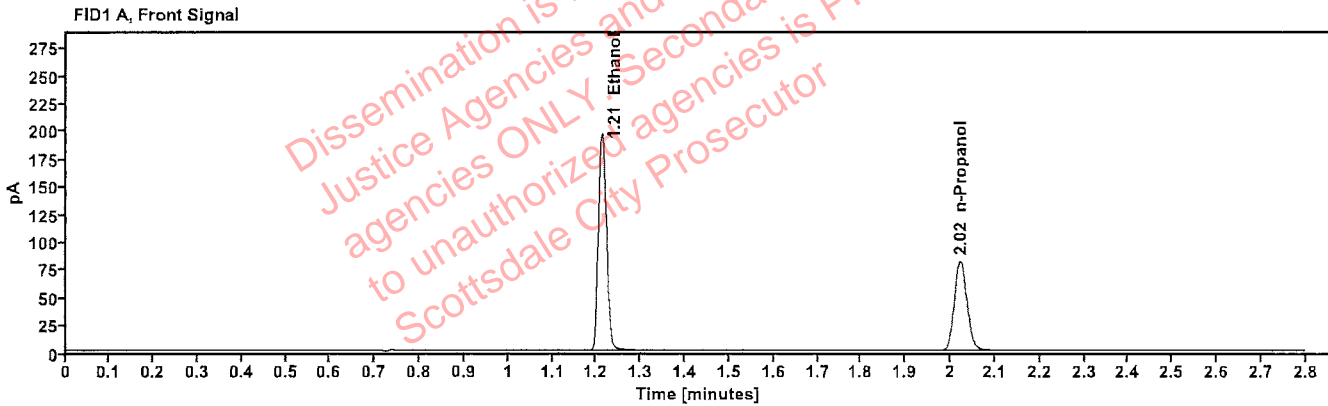


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	249.028
n-Propanol	2.022	160.865

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

Compound	Time (min)	Peak Area
Ethanol	1.354	266.925
n-Propanol	2.432	170.869

# 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> 11Jul23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/11/2023 3:16:34 PM
<b>Data file:</b> C:\Chem32\1\Data\11Jul23\5.D	<b>Analyst:</b> Abbott <span style="float: right;"><i>JA</i></span>

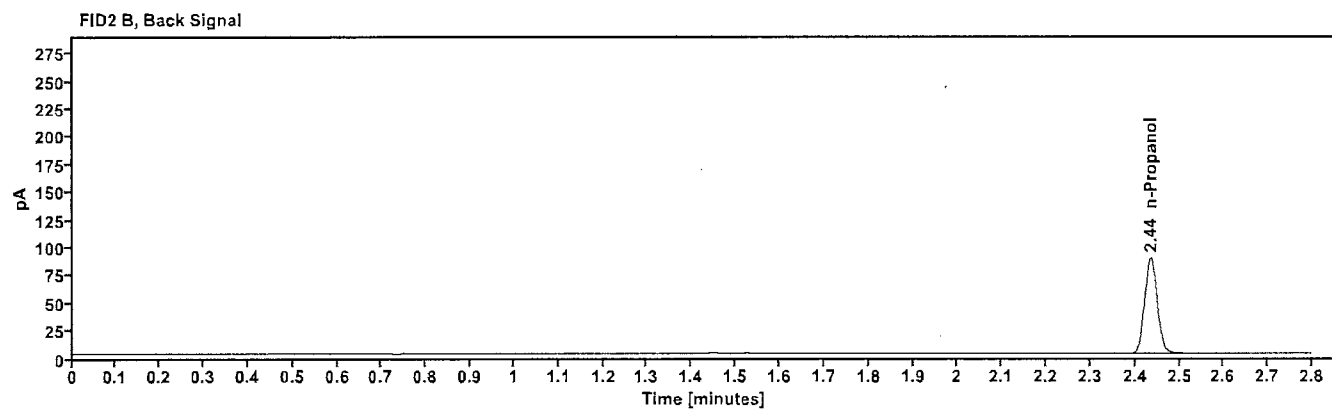
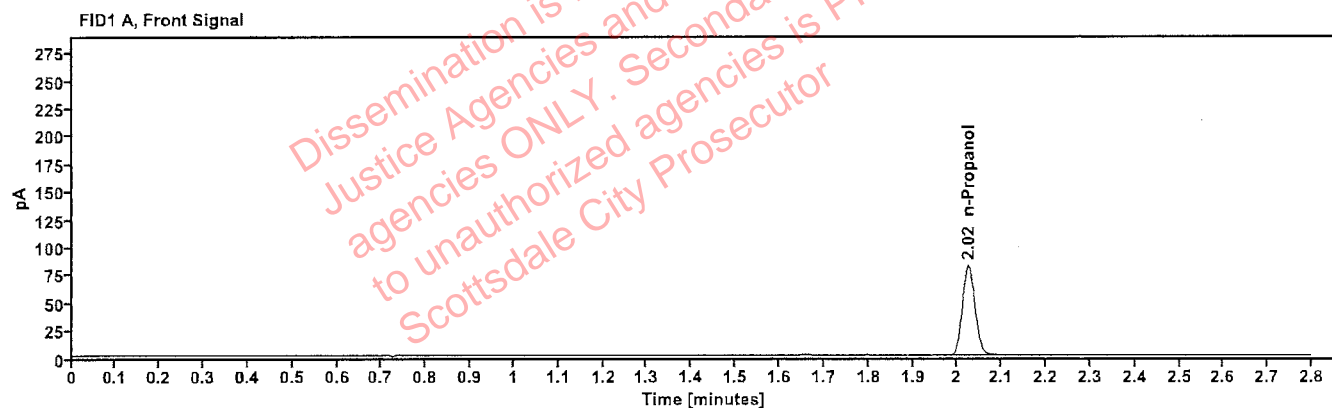


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.024	161.019

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	171.271

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 3:20:35 PM
Data file: C:\Chem32\1\Data\11Jul23\6.D	Analyst: Abbott

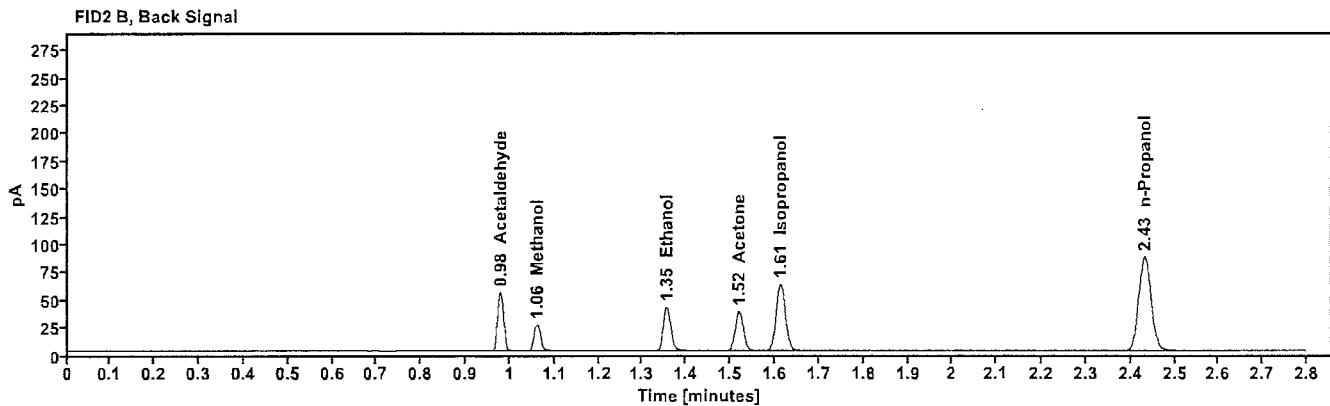
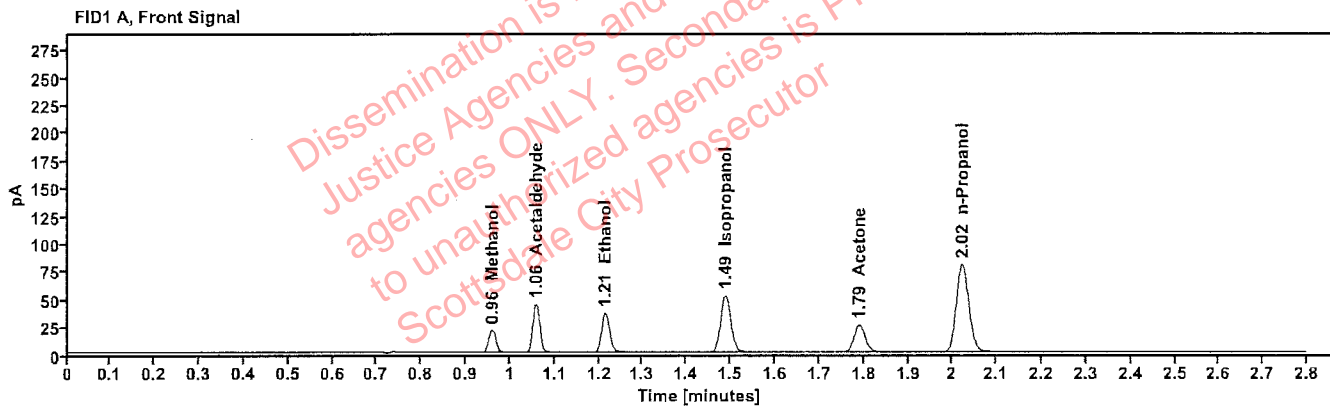


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.960	23.198
Acetaldehyde	-----	1.058	47.956
>Ethanol	0.0749	1.214	45.417
Isopropanol	-----	1.488	82.780
Acetone	-----	1.790	43.108
n-Propanol	-----	2.022	158.897

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.979	52.331
Methanol	1.061	25.087
Ethanol	1.355	48.286
Acetone	1.519	46.493
Isopropanol	1.613	89.789
n-Propanol	2.432	168.887



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 3:24:50 PM
Data file: C:\Chem32\1\Data\11Jul23\7.D	Analyst: Abbott

*JA*

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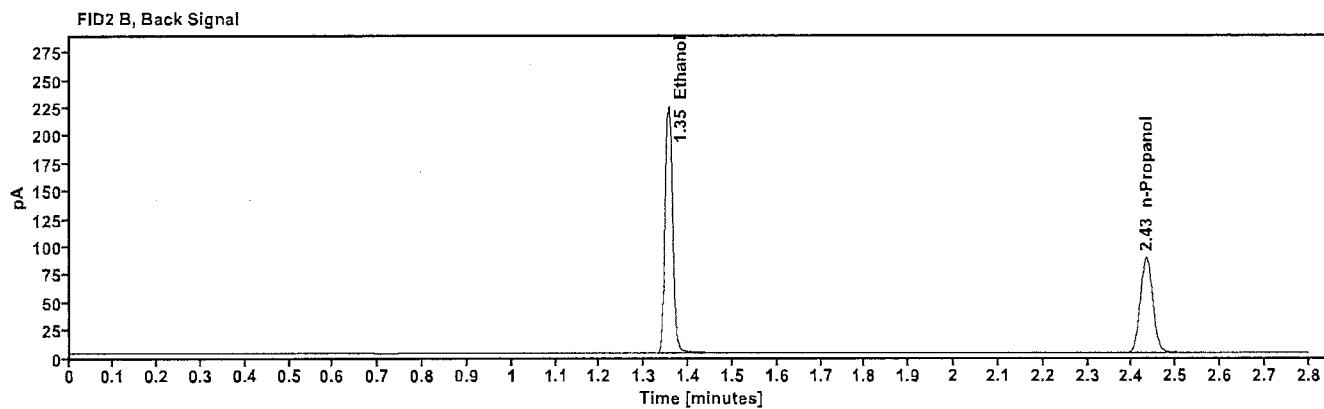
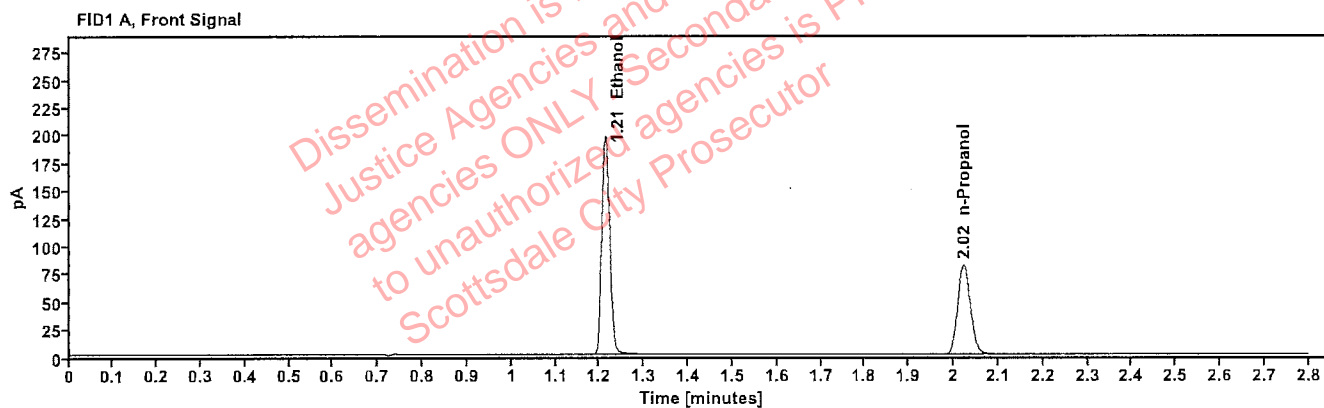


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4025	1.213	250.303
n-Propanol	-----	2.022	160.832

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

Compound	Time (min)	Peak Area
Ethanol	1.354	268.435
n-Propanol	2.432	170.914

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 3:28:49 PM
Data file: C:\Chem32\1\Data\11Jul23\8.D	Analyst: Abbott

*Abbott*

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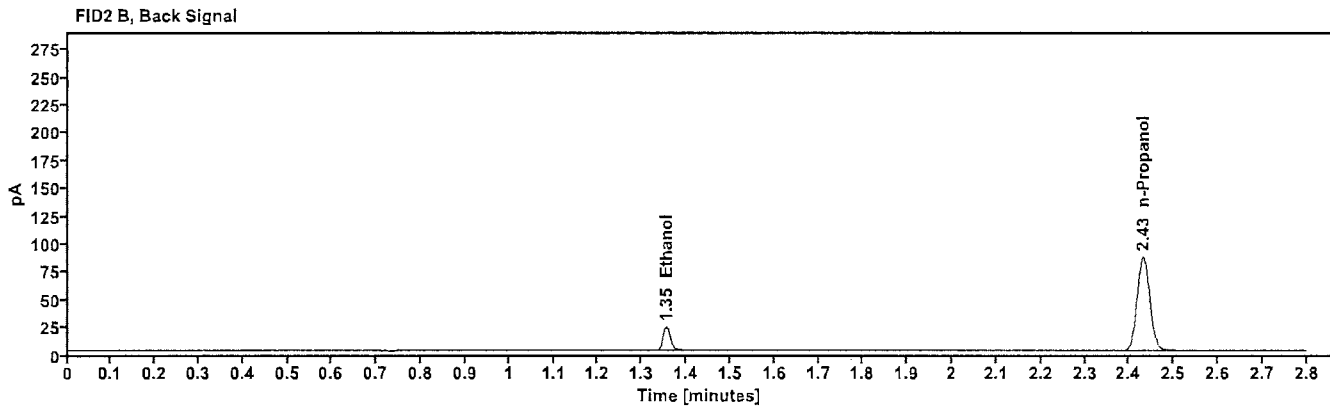
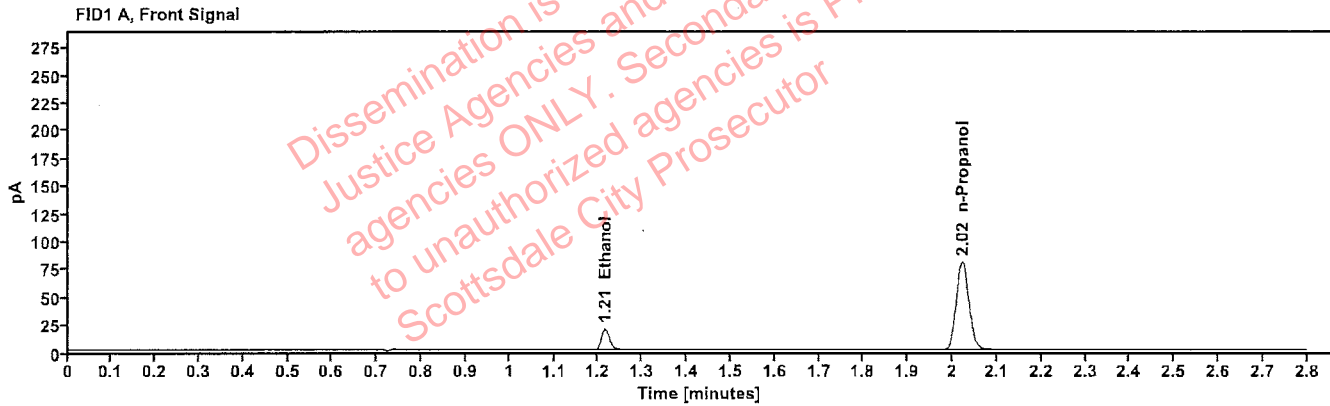


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.214	24.334
n-Propanol	-----	2.022	158.563

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

Compound	Time (min)	Peak Area
Ethanol	1.355	25.870
n-Propanol	2.431	168.447

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/10	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 3:32:49 PM
Data file: C:\Chem32\1\Data\11Jul23\9.D	Analyst: Abbott

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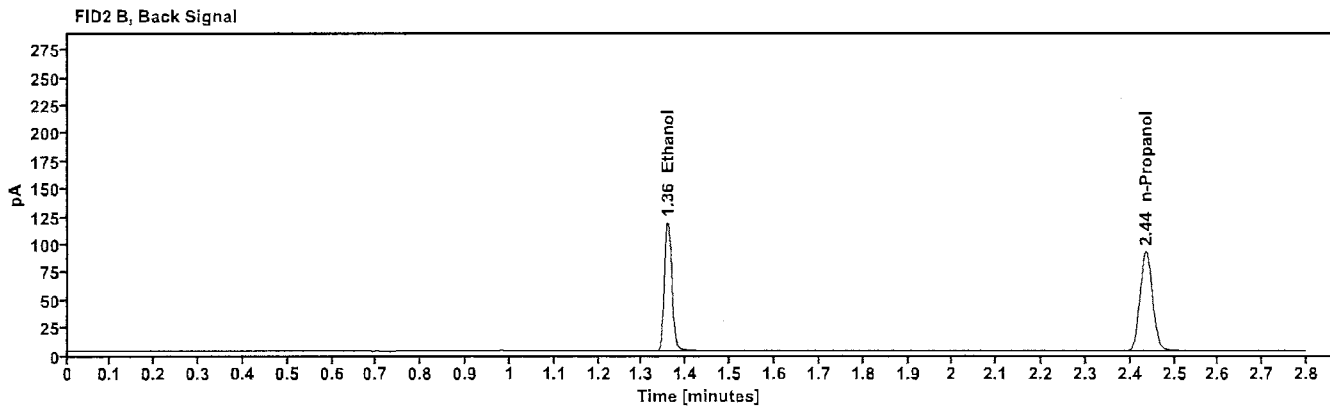
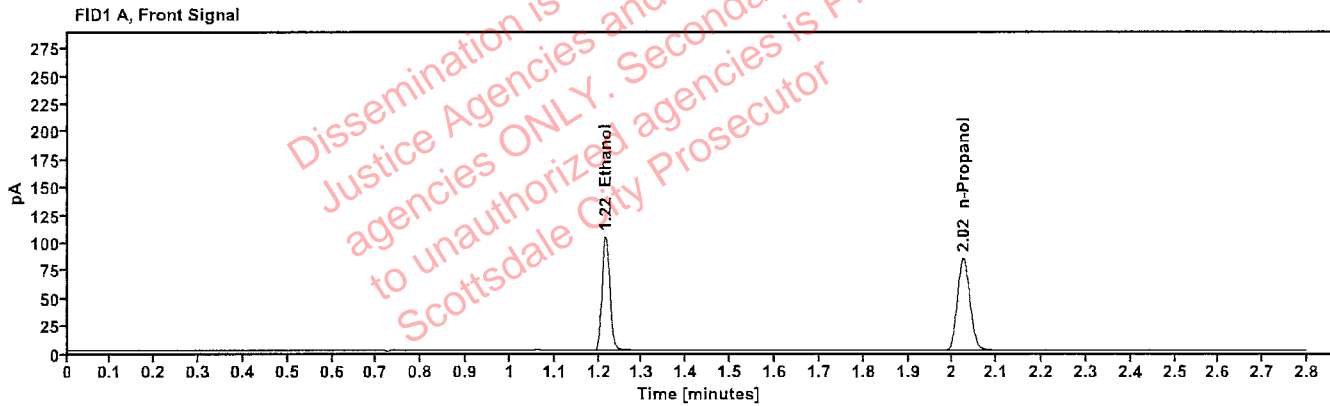


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2041	1.215	131.248
n-Propanol	-----	2.025	166.788

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

Compound	Time (min)	Peak Area
Ethanol	1.358	140.164
n-Propanol	2.435	177.367

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:17:19 PM
Data file:	C:\Chem32\1\Data\11Jul23\20.D	Analyst:	Abbott

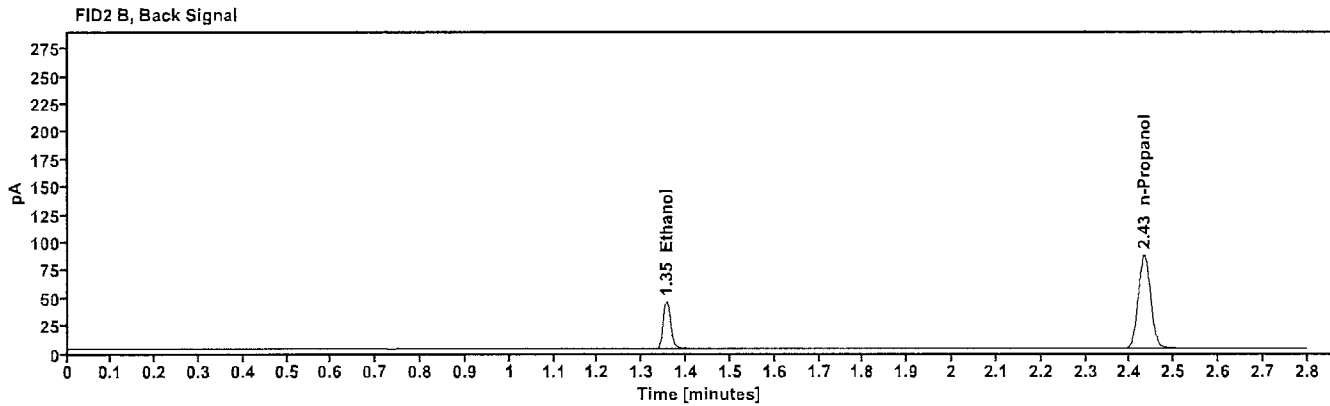
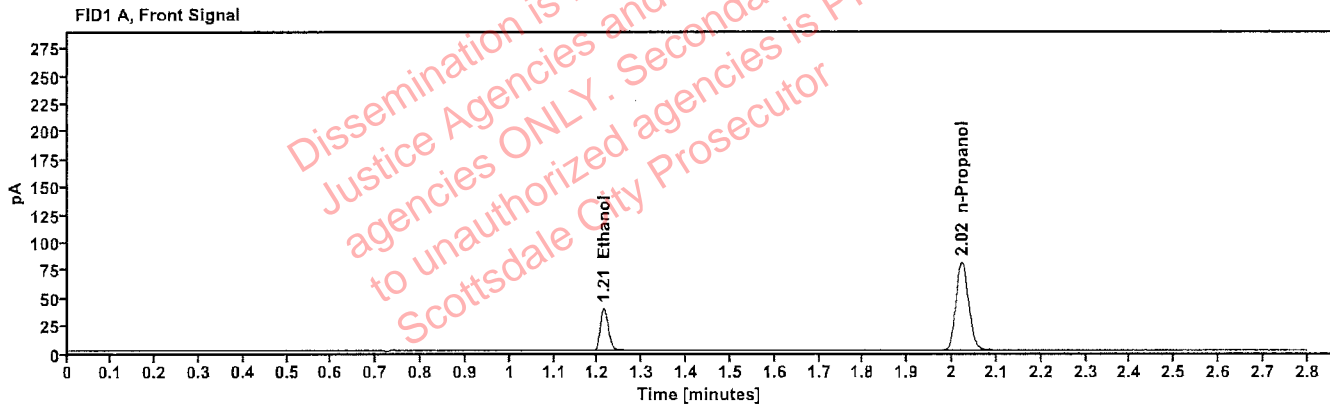


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.214	48.854
n-Propanol	----	2.022	158.659

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

Compound	Time (min)	Peak Area
Ethanol	1.355	52.077
n-Propanol	2.432	168.833

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 5:01:49 PM
Data file: C:\Chem32\1\Data\11Jul23\31.D	Analyst: Abbott

*Abbott*

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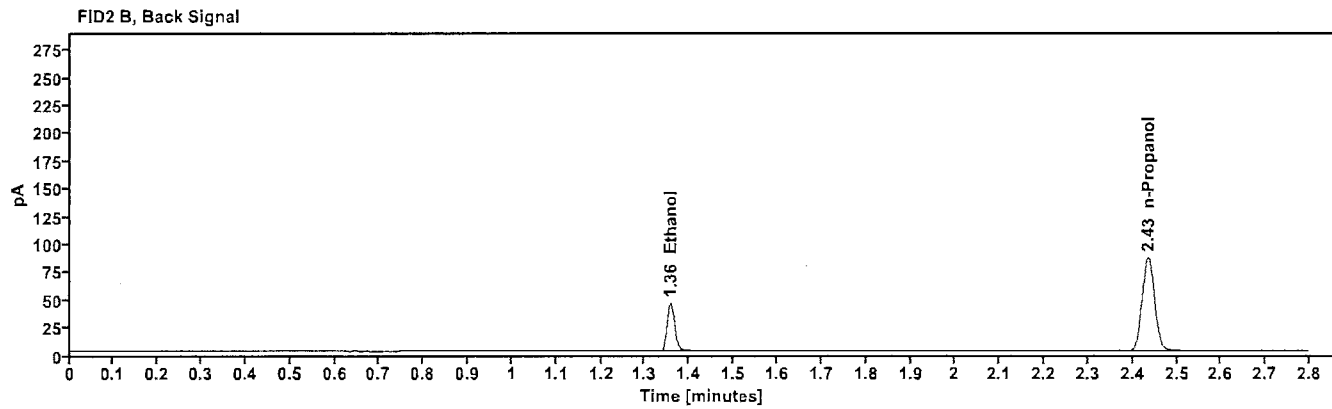
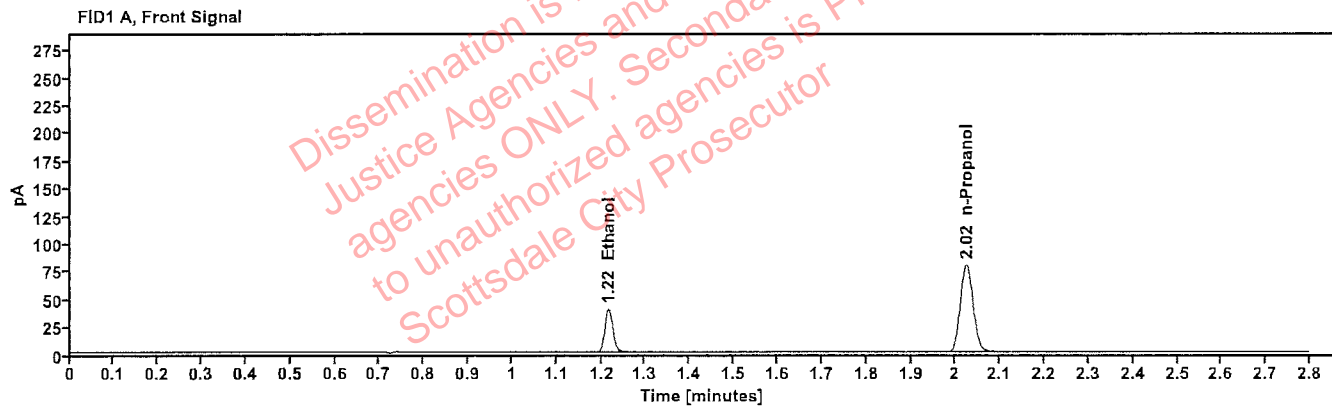


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0820	1.216	49.445
n-Propanol	-----	2.024	157.809

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

Compound	Time (min)	Peak Area
Ethanol	1.357	52.536
n-Propanol	2.434	167.859

# 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> 11Jul23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/11/2023 5:46:04 PM
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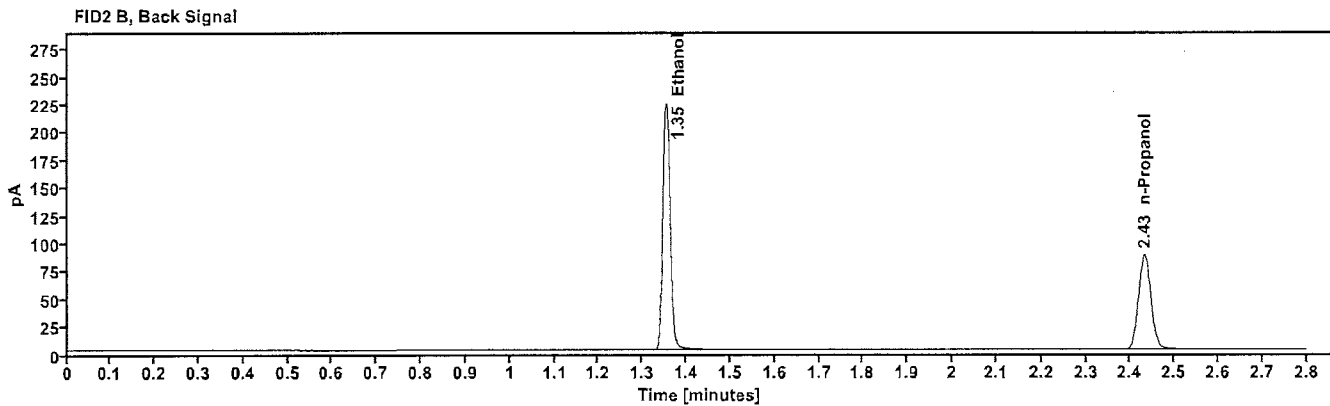
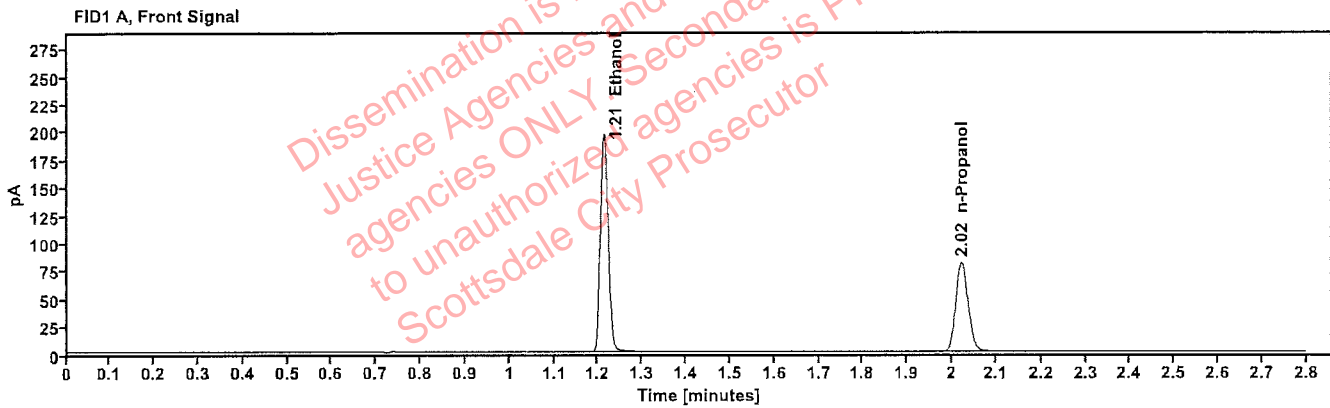


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4016	1.212	249.351
n-Propanol	-----	2.022	160.594

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

Compound	Time (min)	Peak Area
Ethanol	1.354	268.007
n-Propanol	2.432	171.016

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 5:50:19 PM
Data file: C:\Chem32\1\Data\11Jul23\43.D	Analyst: Abbott <i>JA</i>

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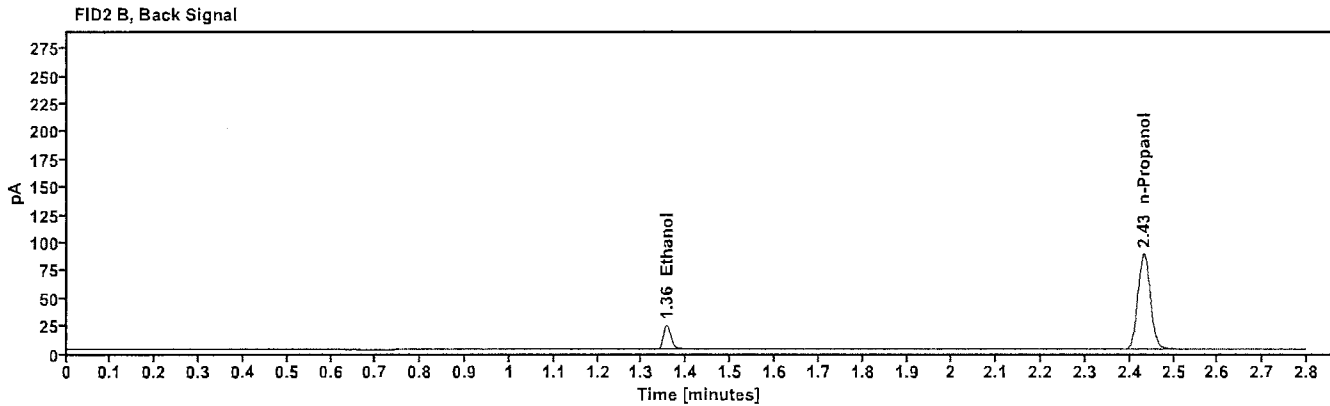
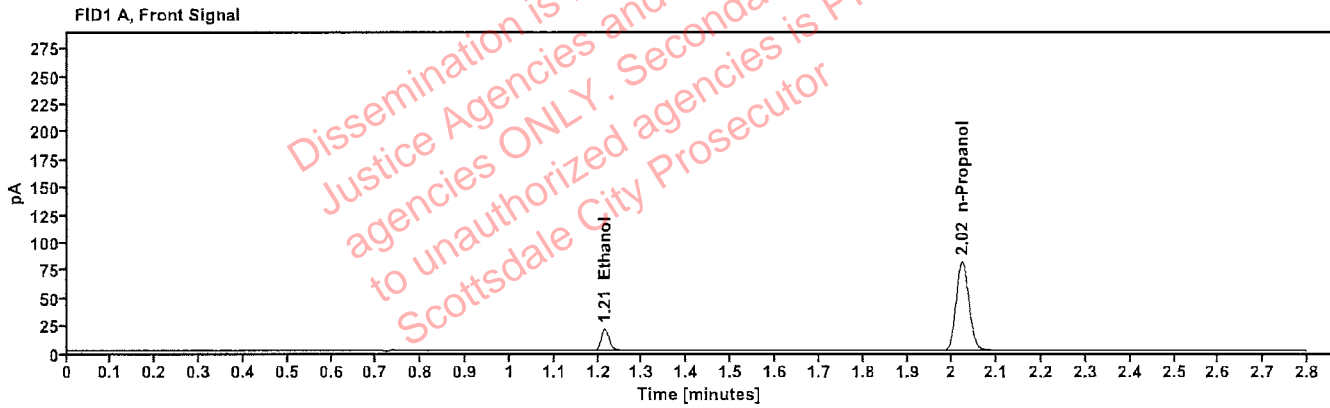


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.215	25.030
n-Propanol	-----	2.022	161.447

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.613
n-Propanol	2.432	172.018

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/10	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 5:54:19 PM
Data file: C:\Chem32\1\Data\11Jul23\44.D	Analyst: Abbott

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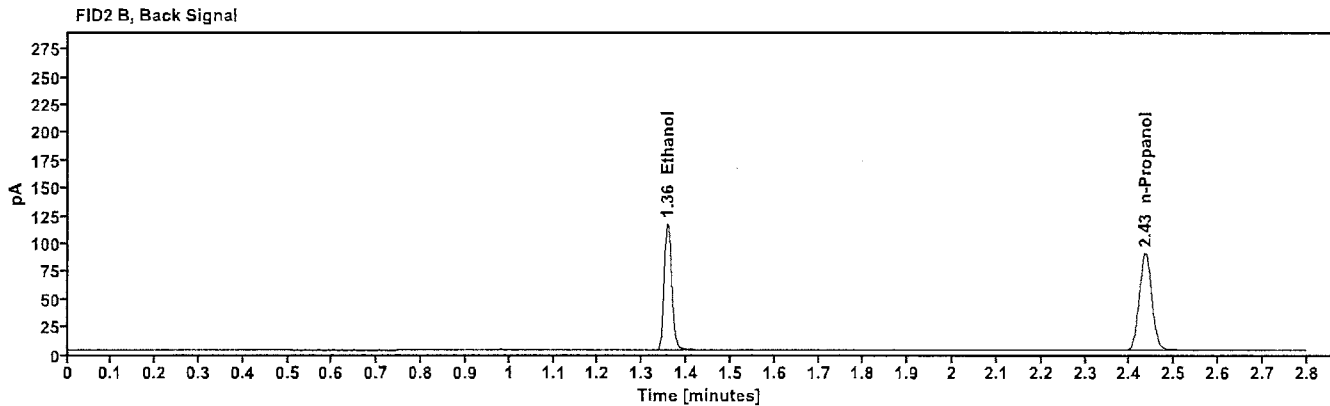
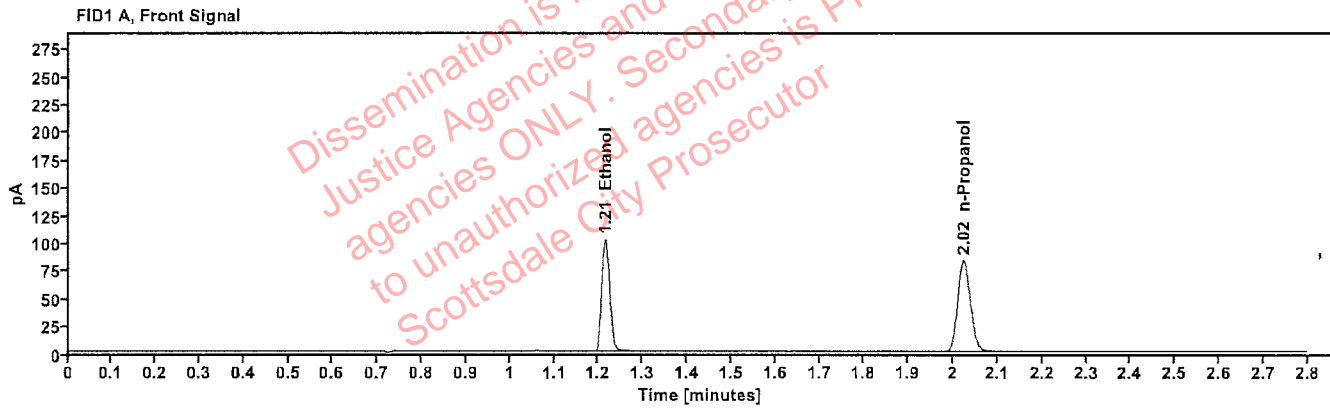


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2034	1.215	128.913
n-Propanol	-----	2.024	164.353

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

Compound	Time (min)	Peak Area
Ethanol	1.357	137.733
n-Propanol	2.435	175.026



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 060223AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 11Jul23
Instrument: US14173023 CN14160045	Injection date: 7/11/2023 5:58:20 PM
Data file: C:\Chem32\1\Data\11Jul23\45.D	Analyst: Abbott <i>JA</i>

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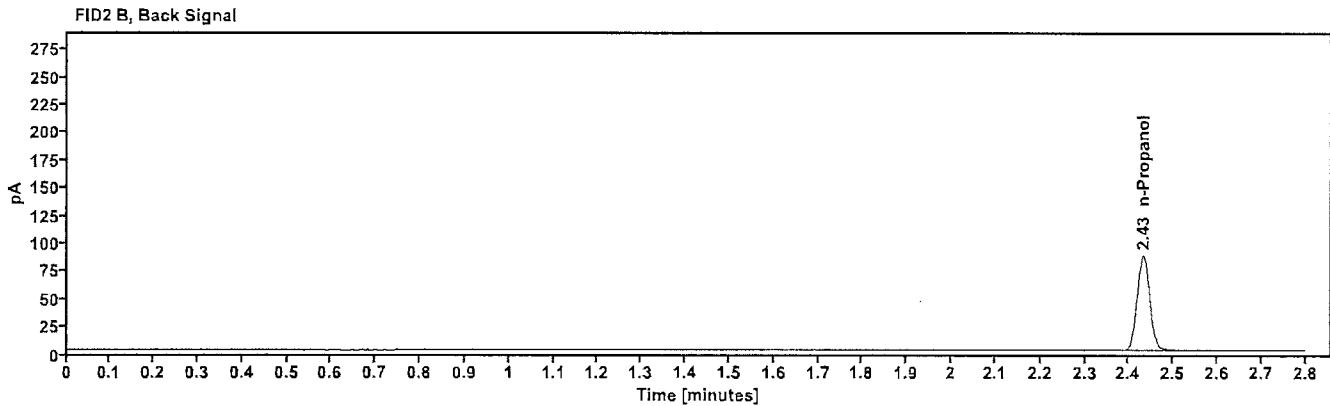
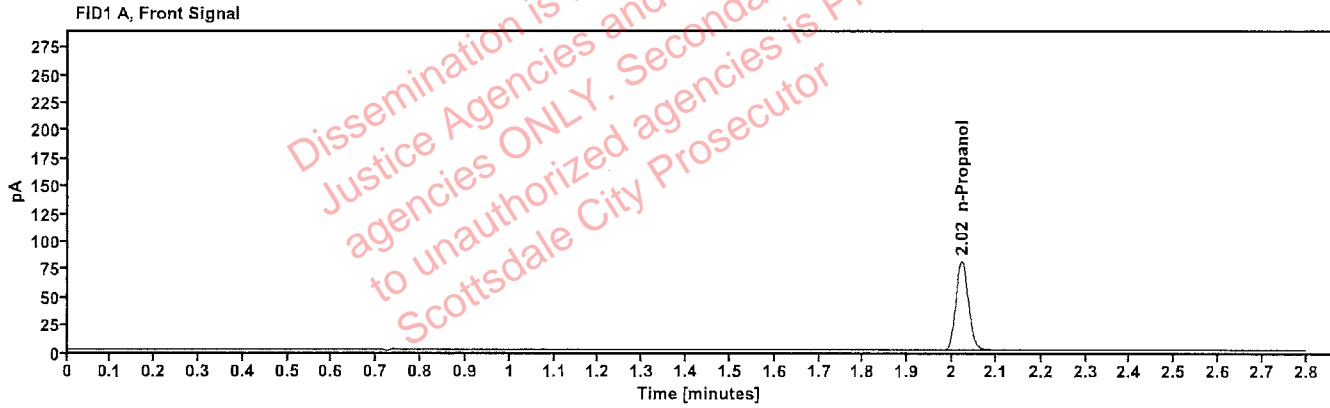


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.022	160.415

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	170.678

# Sequence Summary

Sequence name: 11Jul23 Instrument: US14173023 CN14160045 Analyst: Abbott *ph*

Vial	Sample	Description	Type	LIMS ID	Method
10	2313292-2		Sample		ethanol quant.M
11	2313292-2		Sample		ethanol quant.M
12	2313194-2		Sample		ethanol quant.M
13	2313194-2		Sample		ethanol quant.M
14	2313423-2		Sample		ethanol quant.M
15	2313423-2		Sample		ethanol quant.M
16	2313417-3		Sample		ethanol quant.M
17	2313417-3		Sample		ethanol quant.M
18	2313500-2		Sample		ethanol quant.M
19	2313500-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2312149-2		Sample		ethanol quant.M
22	2312149-2		Sample		ethanol quant.M
23	2313662-1		Sample		ethanol quant.M
24	2313662-1		Sample		ethanol quant.M
25	2313707-2		Sample		ethanol quant.M
26	2313707-2		Sample		ethanol quant.M
27	2313709-3		Sample		ethanol quant.M
28	2313709-3		Sample		ethanol quant.M
29	2313715-2		Sample		ethanol quant.M
30	2313715-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2313721-2		Sample		ethanol quant.M
33	2313721-2		Sample		ethanol quant.M
34	2313726-1		Sample		ethanol quant.M
35	2313726-1		Sample		ethanol quant.M
36	2313650-1		Sample		ethanol quant.M
37	2313650-1		Sample		ethanol quant.M
38	2313758-2		Sample		ethanol quant.M
39	2313758-2		Sample		ethanol quant.M
40	2312412-3		Sample		ethanol quant.M
41	2312412-3		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/10	0.199	Control		ethanol quant.M
45	060223AQ	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

*MA*

SEQUENCE NAME: 11Jul23

ANALYST: Abbott

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2304	0.2296	0.23000	0.17	0.00040
12 13	0.1627	0.1642	0.16345	0.46	0.00075
14 15	0.1325	0.1335	0.13300	0.38	0.00050
16 17	0.2121	0.2100	0.21105	0.50	0.00105
18 19	0.1868	0.1867	0.18675	0.03	0.00005
21 22	0.2066	0.2068	0.20670	0.05	0.00010
23 24	0.1533	0.1546	0.15395	0.42	0.00065
25 26	0.1209	0.1217	0.12130	0.33	0.00040
27 28	0.1926	0.1943	0.19345	0.44	0.00085
29 30	0.2911	0.2915	0.29130	0.07	0.00020
32 33	0.2157	0.2161	0.21590	0.09	0.00020
34 35	0.2020	0.2020	0.20200	0.00	0.00000
36 37	0.0806	0.0807	0.08065	0.06	0.00005
38 39	0.3426	0.3440	0.34330	0.20	0.00070
40 41	0.0874	0.0870	0.08720	0.23	0.00020

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

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 Scottsdale City Prosecutor



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313292-2	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 3:36:49 PM
Data file:	C:\Chem32\1\Data\11Jul23\10.D	Analyst:	Abbott

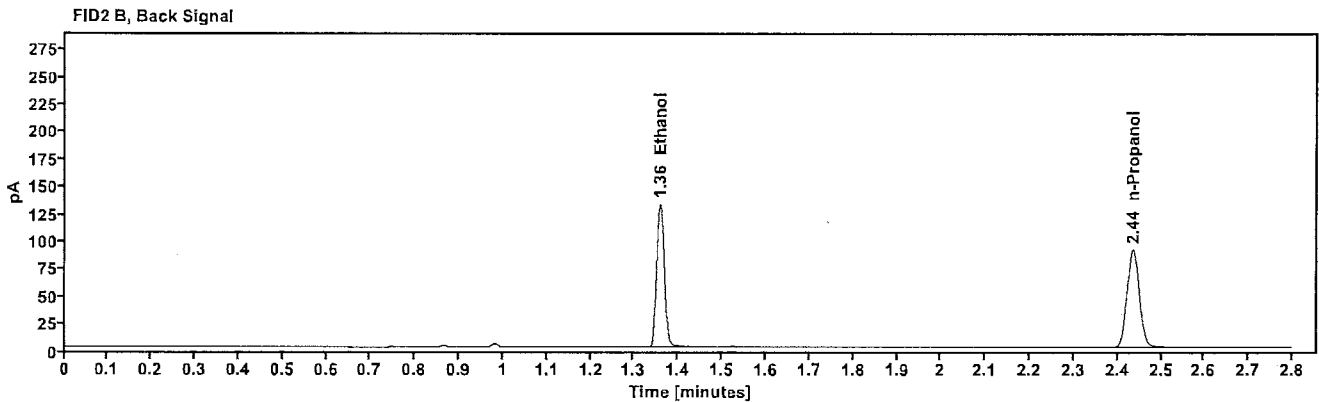
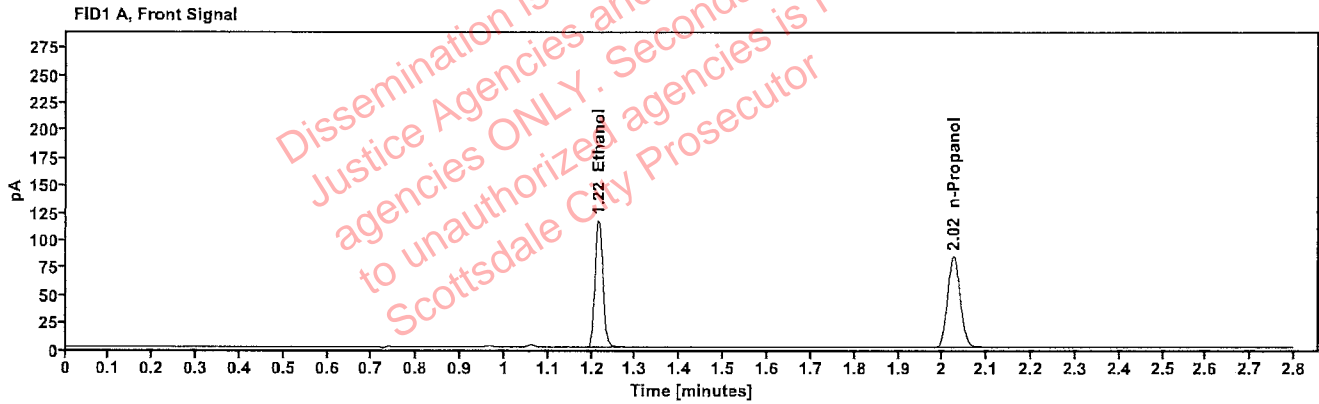


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2304	1.215	148.068
n-Propanol	-----	2.025	166.584

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

Compound	Time (min)	Peak Area
Ethanol	1.358	157.867
n-Propanol	2.435	177.042

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313292-2	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 3:40:49 PM
Data file:	C:\Chem32\1\Data\11Jul23\11.D	Analyst:	Abbott

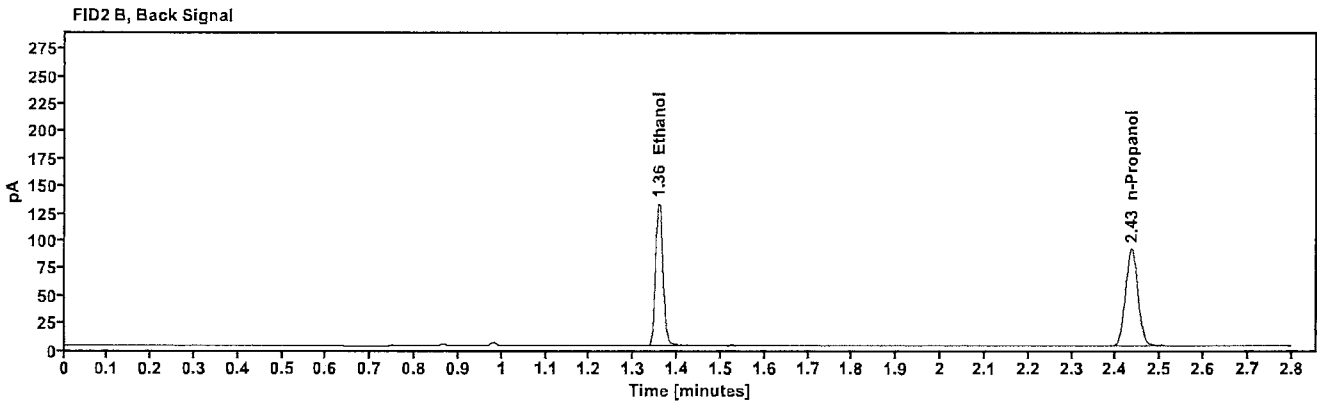
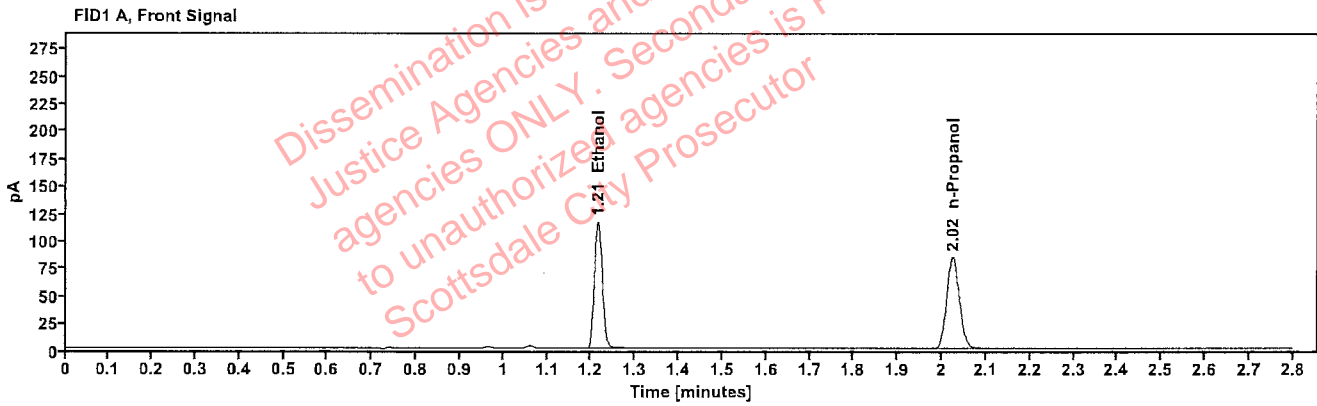


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2296	1.215	147.597
n-Propanol	-----	2.024	166.639

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

Compound	Time (min)	Peak Area
Ethanol	1.357	157.694
n-Propanol	2.435	177.069

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313194-2	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 3:44:49 PM
Data file:	C:\Chem32\1\Data\11Jul23\12.D	Analyst:	Abbott

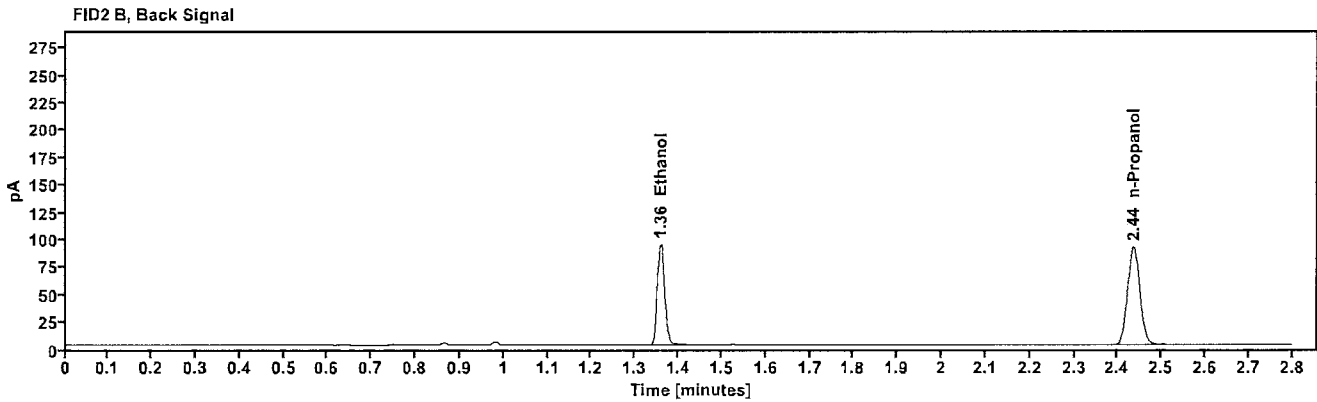
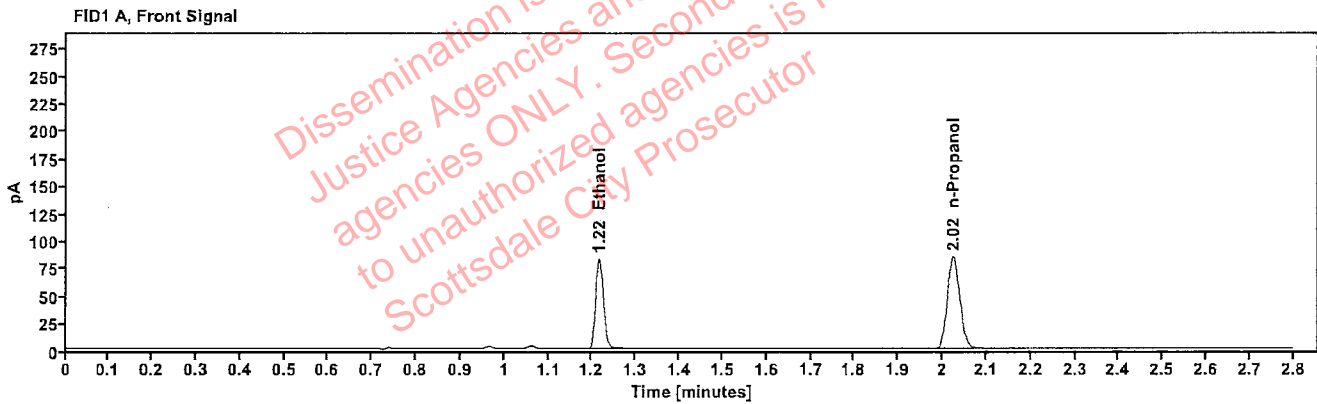


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1627	1.216	104.713
n-Propanol	----	2.025	167.215

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

Compound	Time (min)	Peak Area
Ethanol	1.358	111.688
n-Propanol	2.435	177.801

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313194-2	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 3:49:03 PM
Data file:	C:\Chem32\1\Data\11Jul23\13.D	Analyst:	Abbott

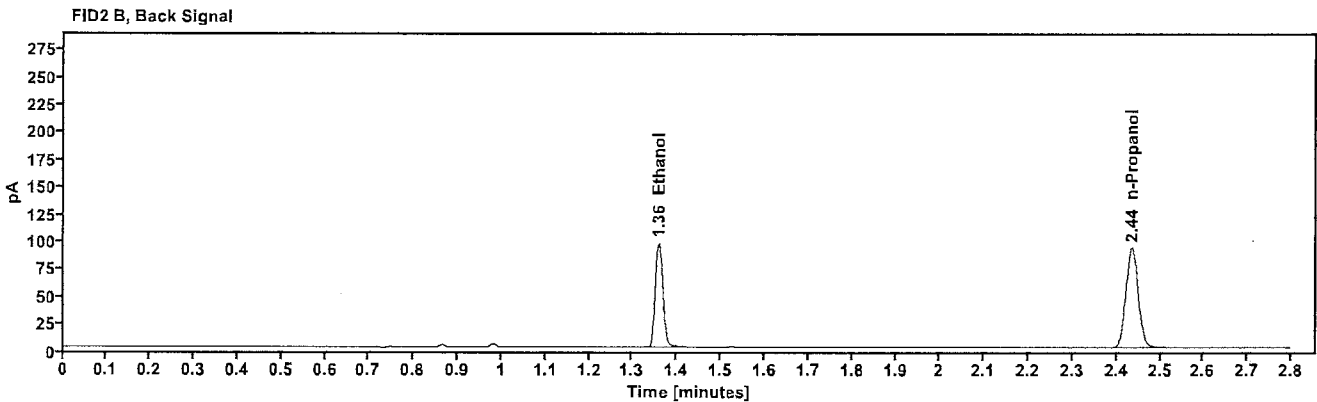
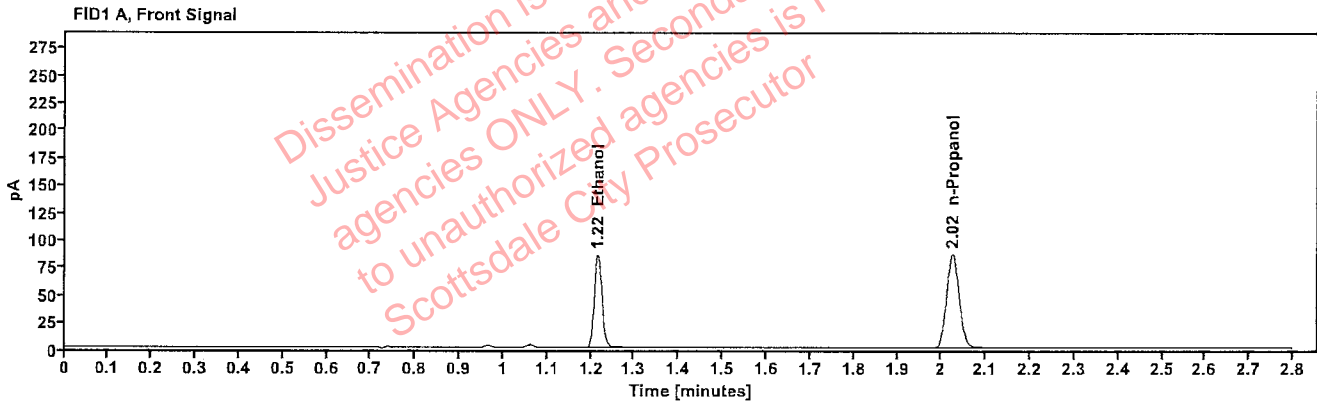


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1642	1.216	108.176
n-Propanol	---	2.024	171.114

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

Compound	Time (min)	Peak Area
Ethanol	1.358	115.105
n-Propanol	2.435	181.853



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313423-2	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 3:53:04 PM
Data file:	C:\Chem32\1\Data\11Jul23\14.D	Analyst:	Abbott

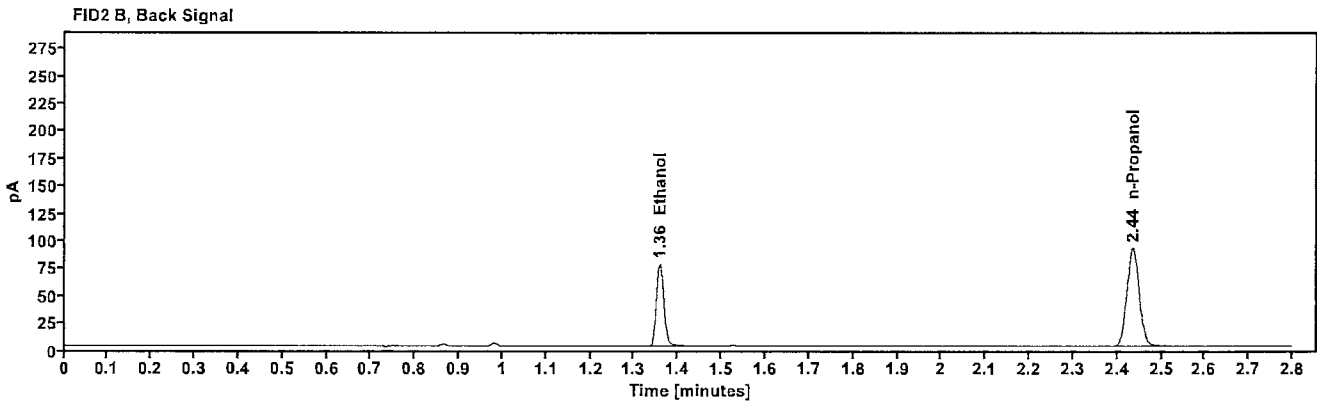
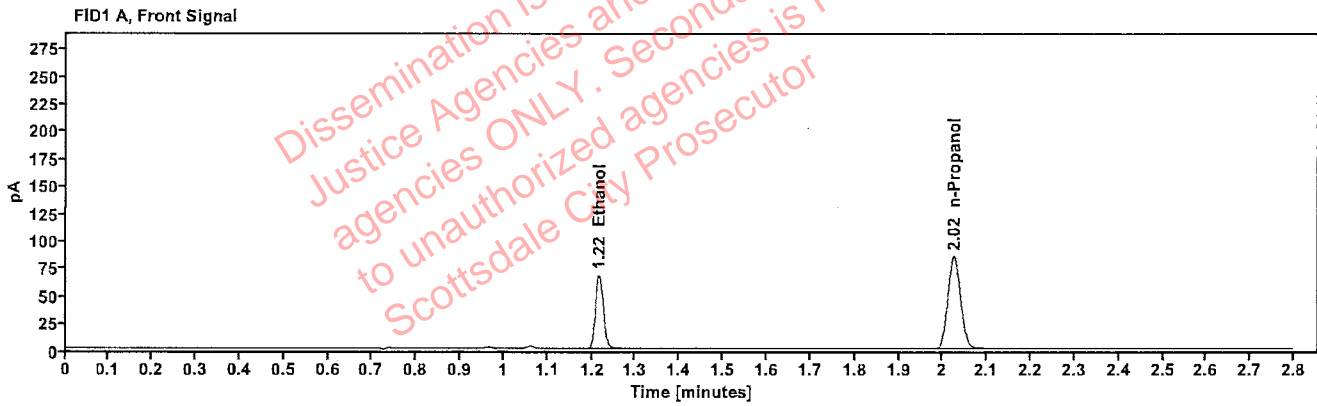


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1325	1.216	85.704
n-Propanol	-----	2.024	168.321

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

Compound	Time (min)	Peak Area
Ethanol	1.358	91.302
n-Propanol	2.435	178.662

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313423-2	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 3:57:04 PM
Data file:	C:\Chem32\1\Data\11Jul23\15.D	Analyst:	Abbott

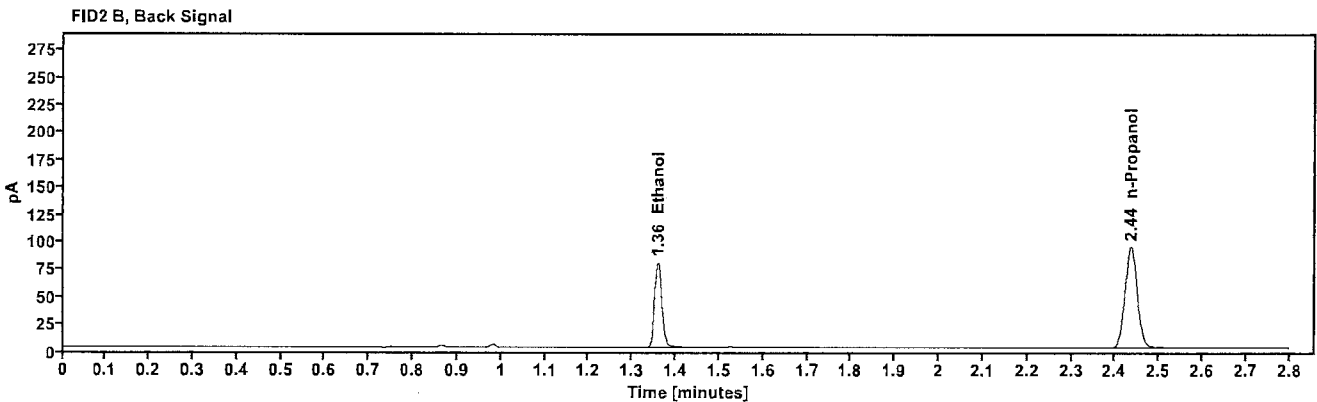
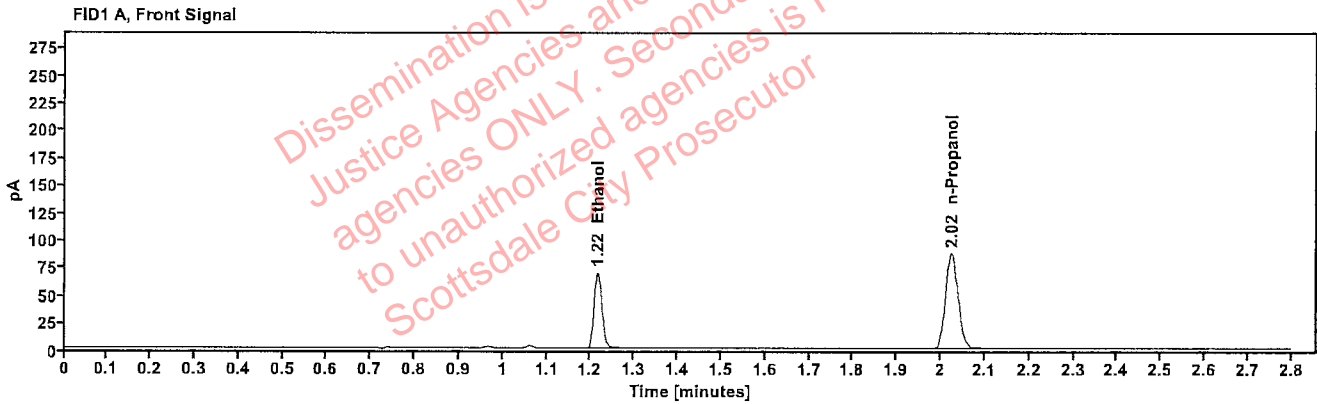


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1335	1.216	88.693
n-Propanol	---	2.024	172.818

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

Compound	Time (min)	Peak Area
Ethanol	1.358	94.278
n-Propanol	2.435	183.458

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313417-3	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:01:04 PM
Data file:	C:\Chem32\1\Data\11Jul23\16.D	Analyst:	Abbott

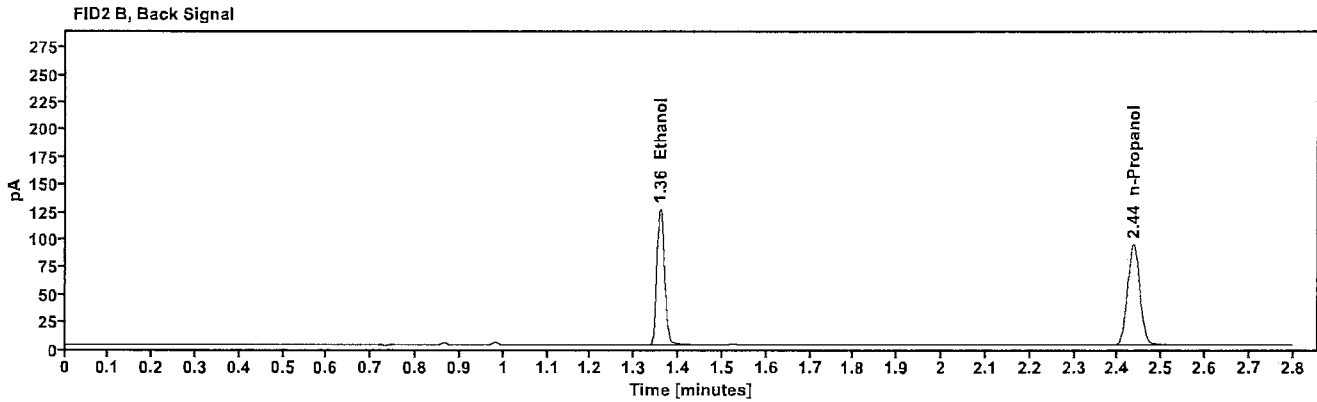
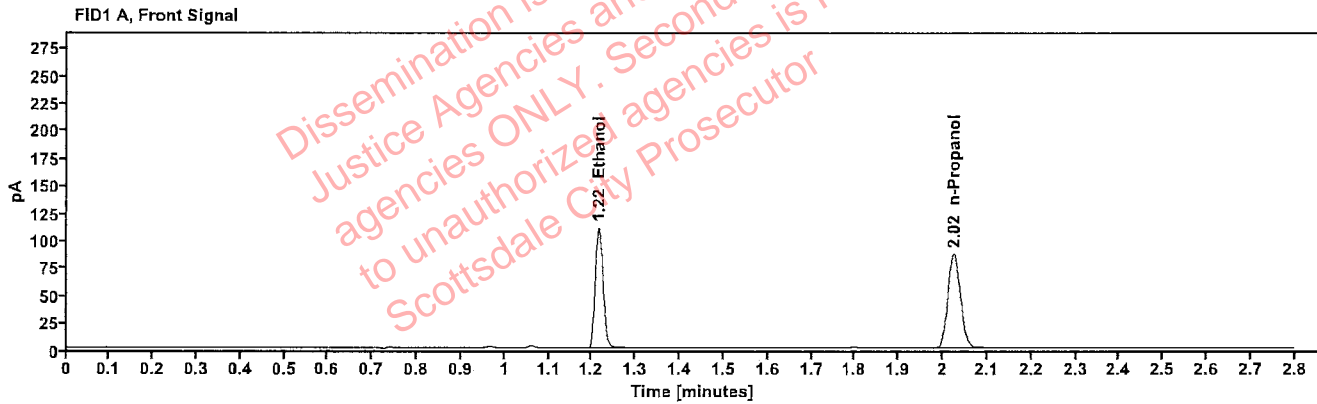


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2121	1.216	140.705
n-Propanol	---	2.025	171.981

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

Compound	Time (min)	Peak Area
Ethanol	1.358	150.335
n-Propanol	2.436	182.546

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313417-3	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:05:04 PM
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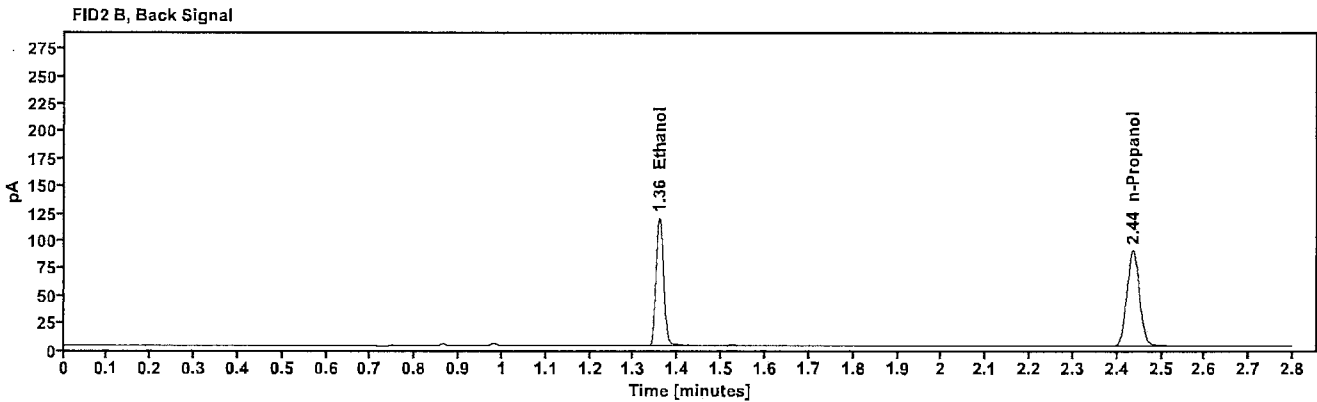
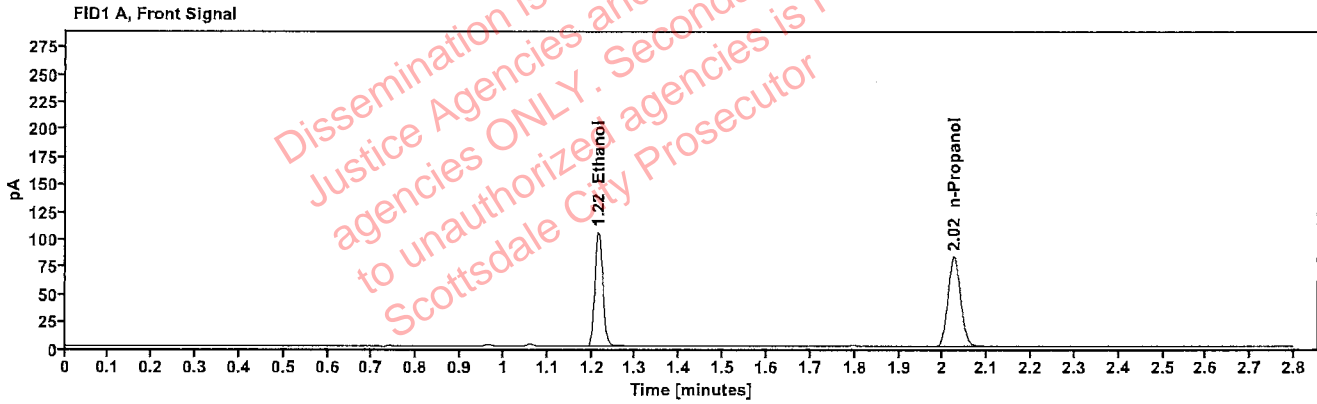


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2100	1.215	132.950
n-Propanol	-----	2.024	164.208

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

Compound	Time (min)	Peak Area
Ethanol	1.358	142.149
n-Propanol	2.435	174.222

[REDACTED]: Abbott, Lori - (12-Jul-2023)

Case: [REDACTED] User: LAbbott 7/12/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313500-2	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:09:04 PM
Data file:	C:\Chem32\1\Data\11Jul23\18.D	Analyst:	Abbott

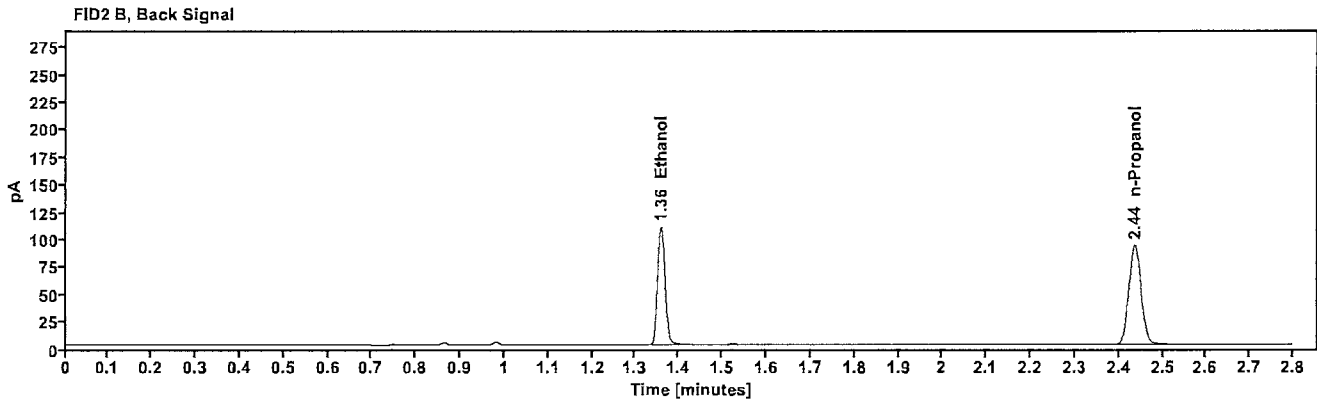
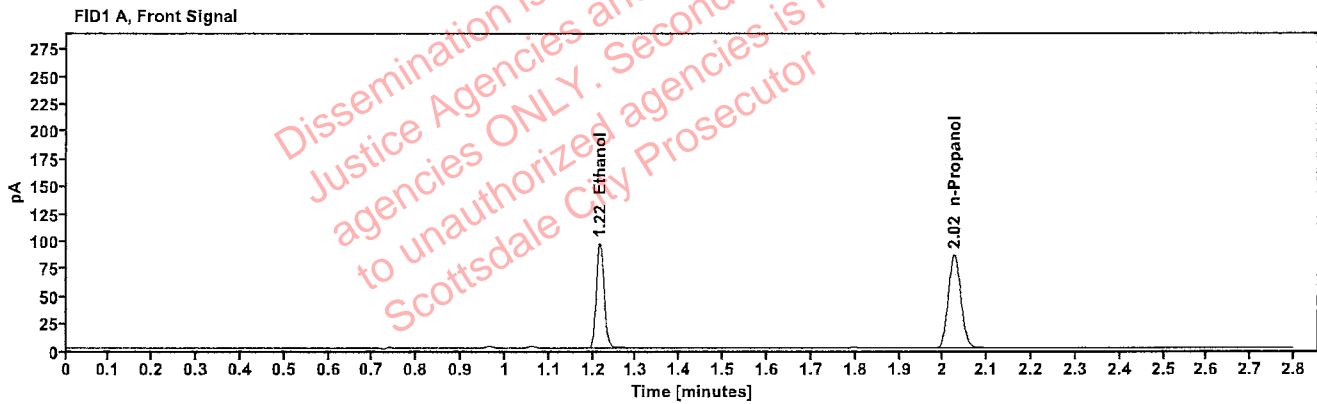


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1868	1.216	122.421
n-Propanol	-----	2.025	170.056

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

Compound	Time (min)	Peak Area
Ethanol	1.358	130.772
n-Propanol	2.436	180.812

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313500-2	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:13:19 PM
Data file:	C:\Chem32\1\Data\11Jul23\19.D	Analyst:	Abbott

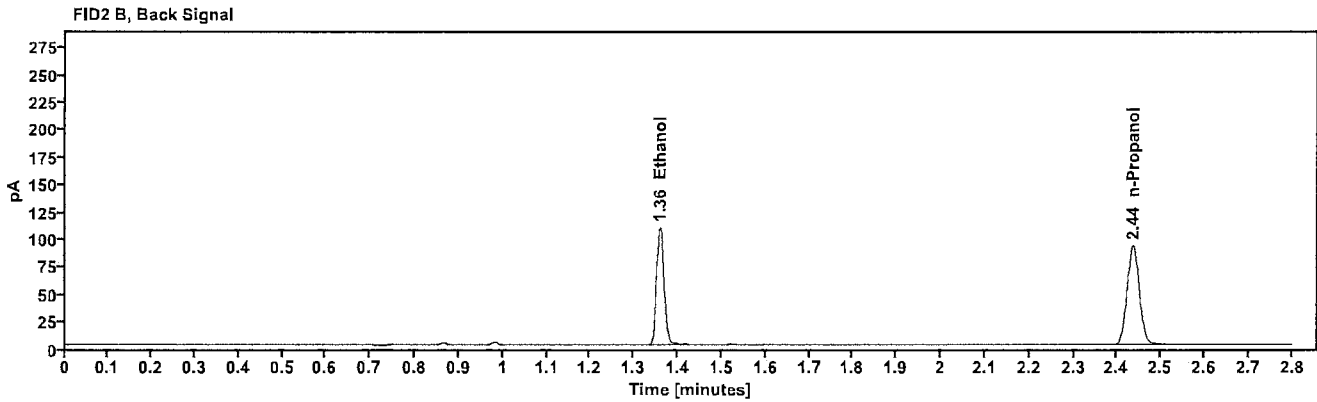
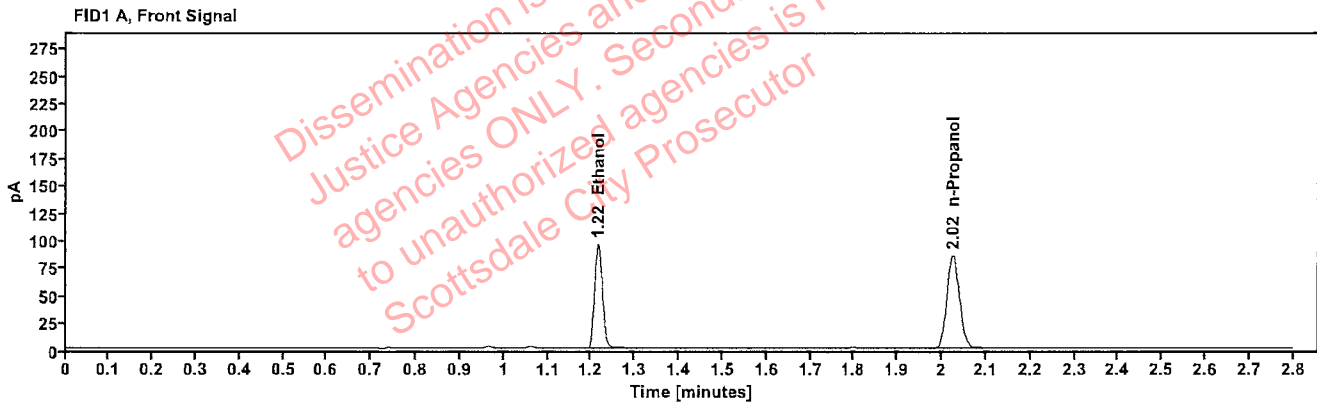


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1867	1.216	121.504
n-Propanol	-----	2.025	168.906

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

Compound	Time (min)	Peak Area
Ethanol	1.358	129.715
n-Propanol	2.436	179.622

[REDACTED]: Abbott, Lori - (12-Jul-2023)

Case: [REDACTED] User: LAbbott 7/12/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312149-2	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:21:19 PM
Data file:	C:\Chem32\1\Data\11Jul23\21.D	Analyst:	Abbott

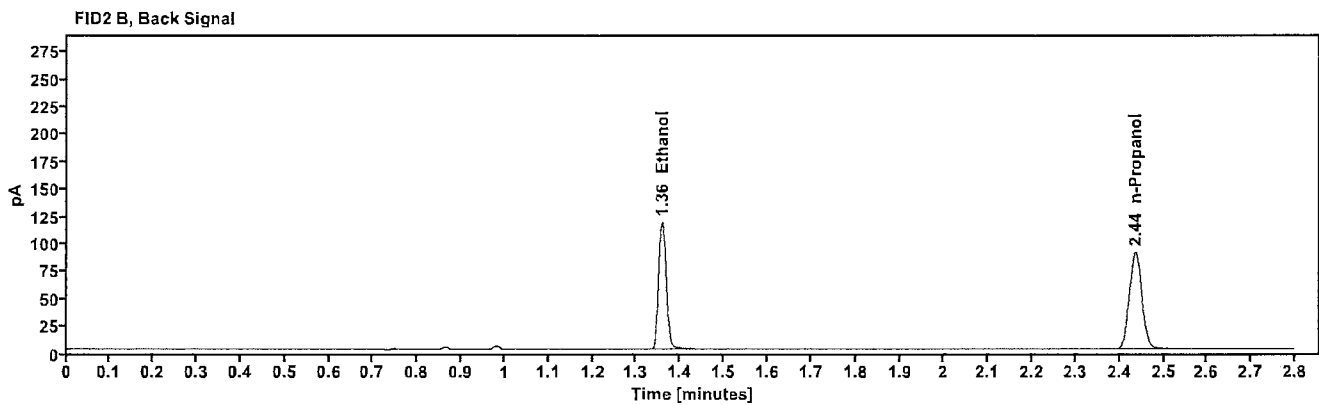
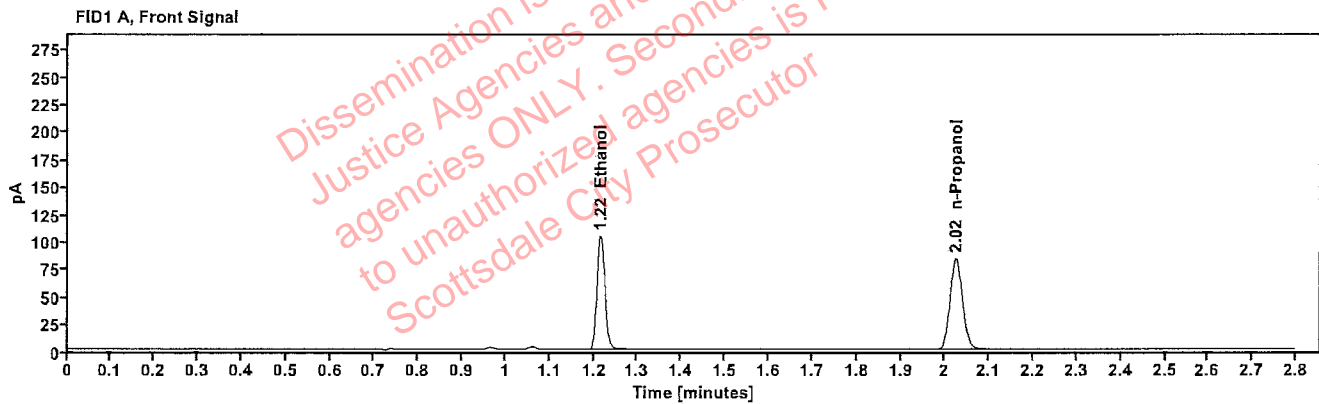


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2066	1.215	131.660
n-Propanol	-----	2.025	165.311

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

Compound	Time (min)	Peak Area
Ethanol	1.358	140.945
n-Propanol	2.435	175.973

[REDACTED]: Abbott, Lori - (12-Jul-2023)

Case: [REDACTED] User: LAbbott 7/12/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312149-2	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:25:19 PM
Data file:	C:\Chem32\1\Data\11Jul23\22.D	Analyst:	Abbott

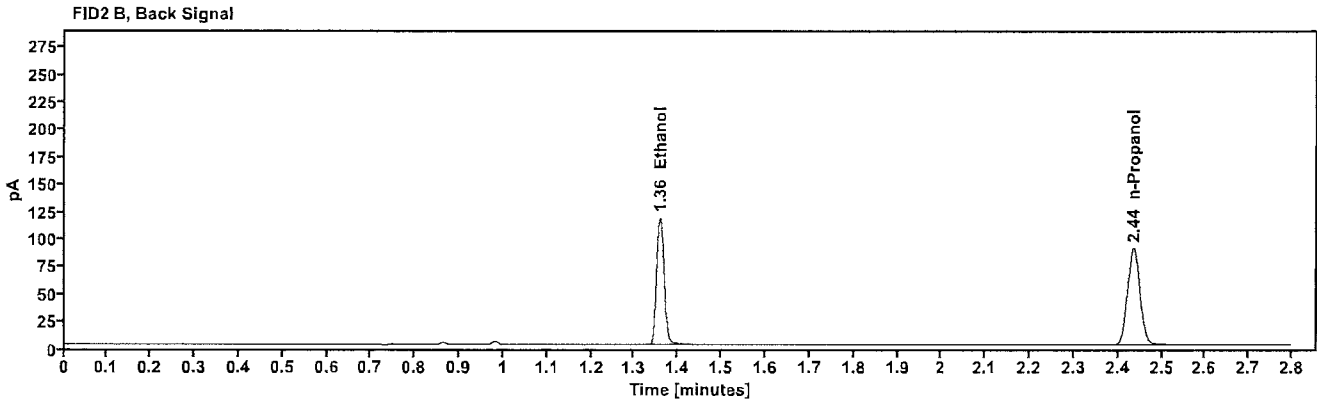
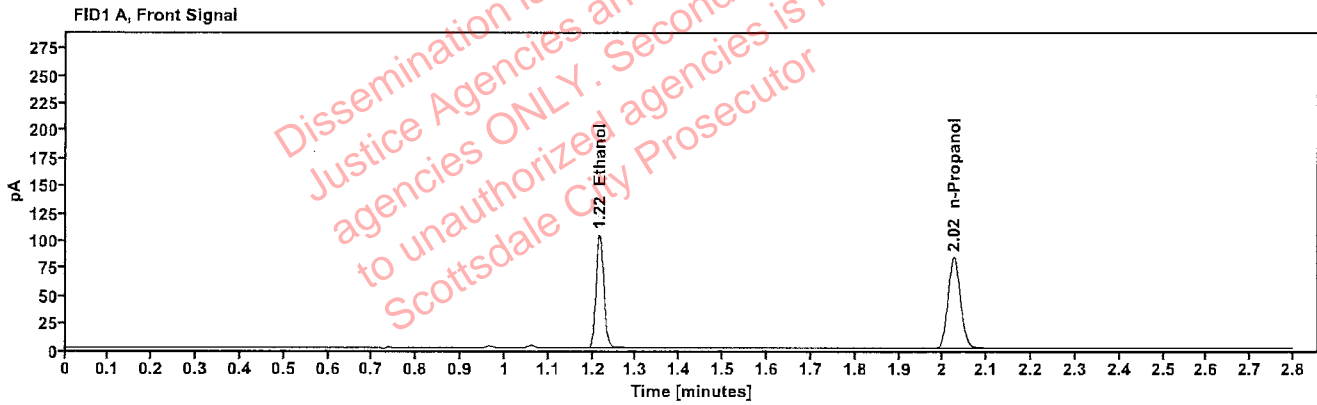


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2068	1.215	131.648
n-Propanol	-----	2.024	165.107

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

Compound	Time (min)	Peak Area
Ethanol	1.358	140.652
n-Propanol	2.435	175.747



[REDACTED]: Abbott, Lori - (12-Jul-2023)

Case: [REDACTED] User: LAbbott 7/12/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313662-1	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:29:19 PM
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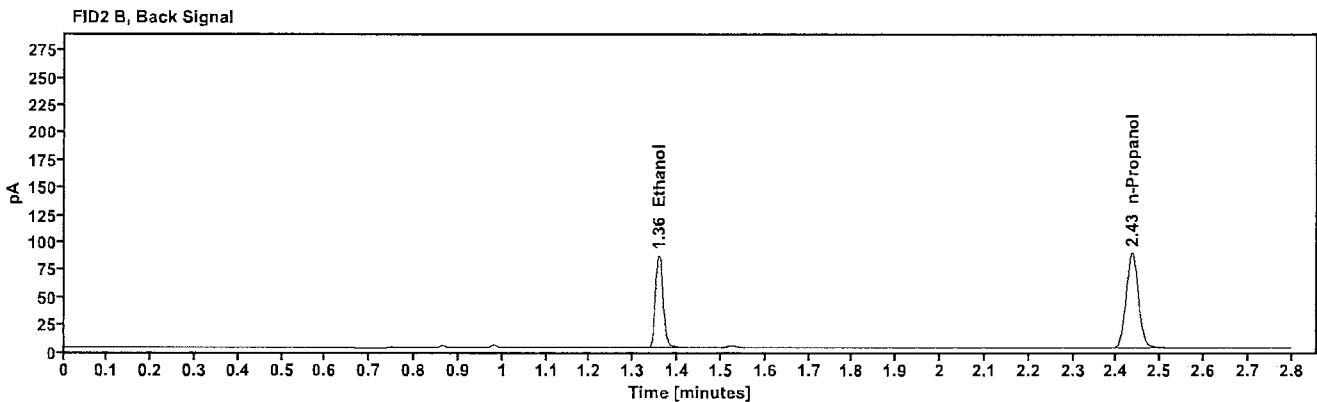
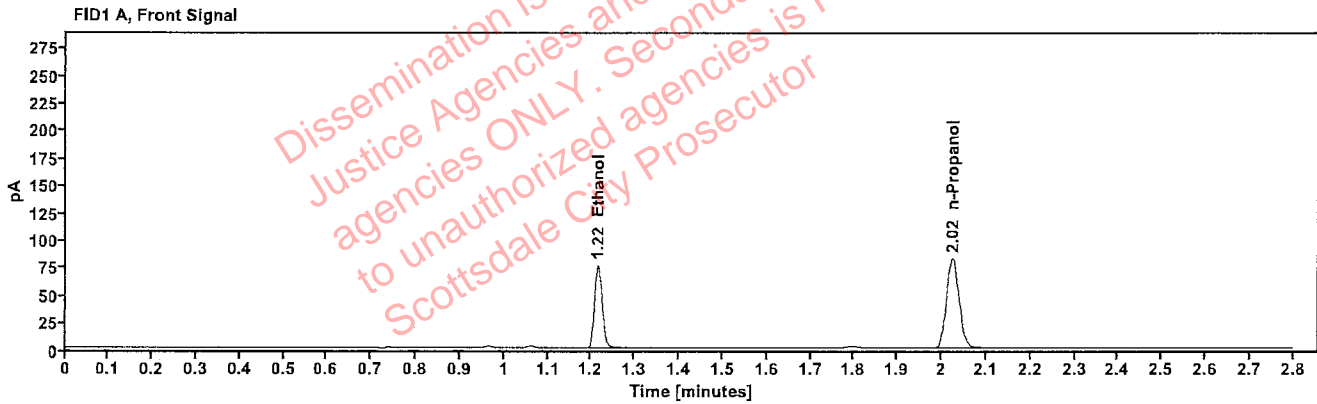


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1533	1.215	95.922
n-Propanol	---	2.024	162.646

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

Compound	Time (min)	Peak Area
Ethanol	1.358	102.375
n-Propanol	2.435	172.869

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313662-1	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:33:19 PM
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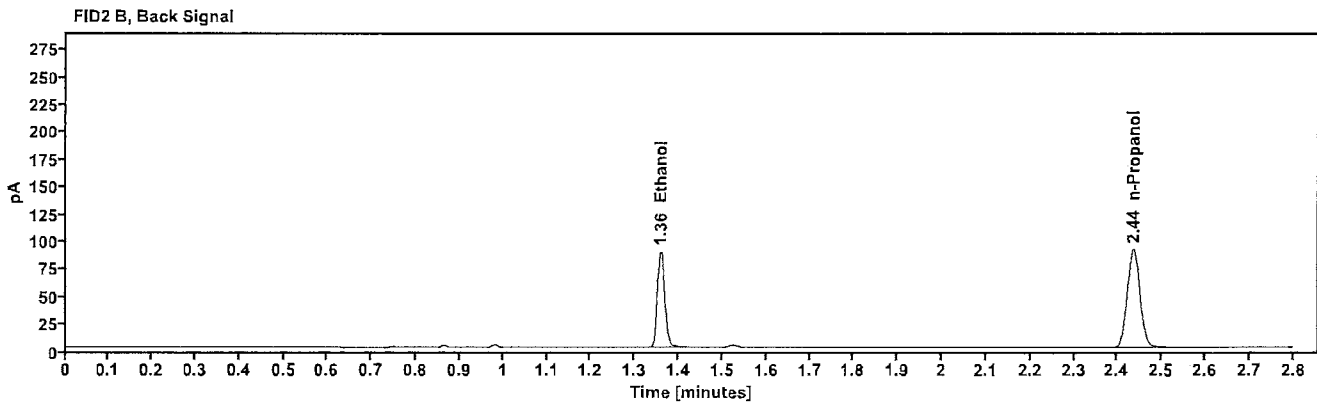
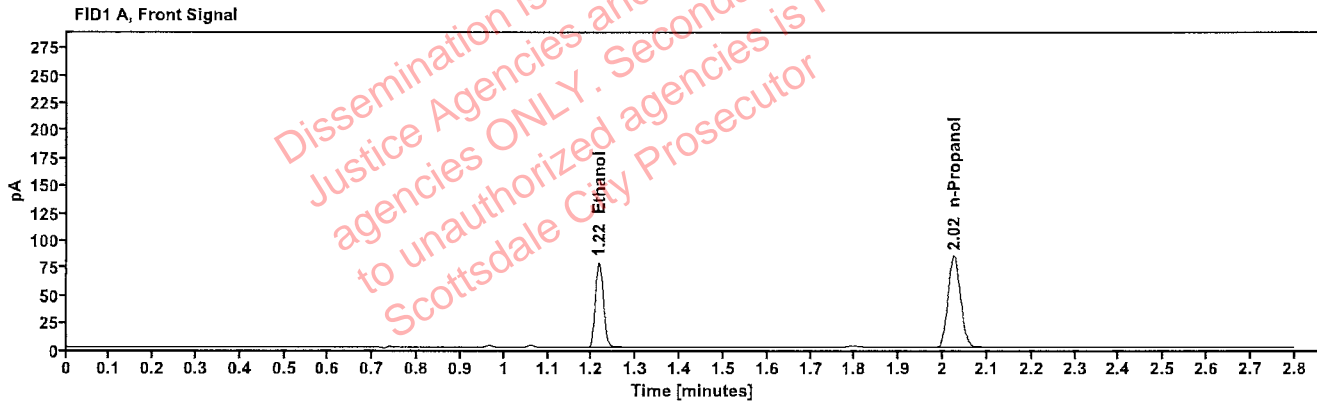


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1546	1.216	99.664
n-Propanol	-----	2.025	167.509

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

Compound	Time (min)	Peak Area
Ethanol	1.358	106.310
n-Propanol	2.435	178.110

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313707-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:37:34 PM
Data file:	C:\Chem32\1\Data\11Jul23\25.D	Analyst:	Abbott

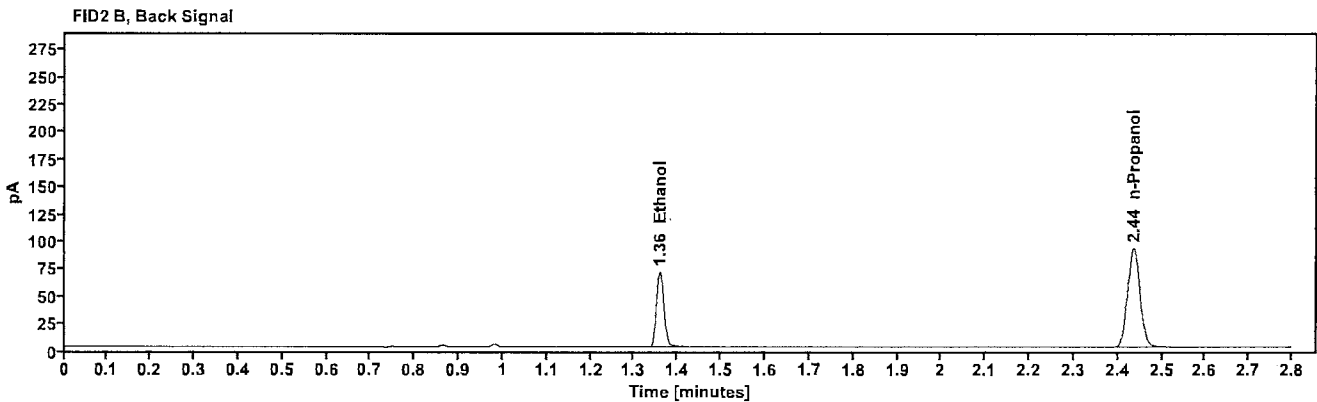
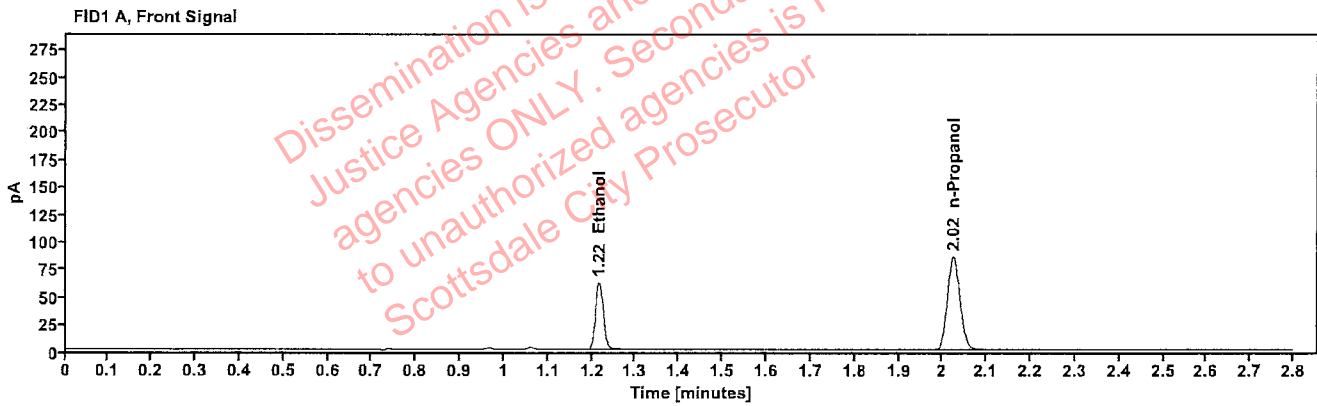


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1209	1.216	78.572
n-Propanol	---	2.024	169.217

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

Compound	Time (min)	Peak Area
Ethanol	1.358	83.549
n-Propanol	2.435	180.138

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313707-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:41:34 PM
Data file:	C:\Chem32\1\Data\11Jul23\26.D	Analyst:	Abbott

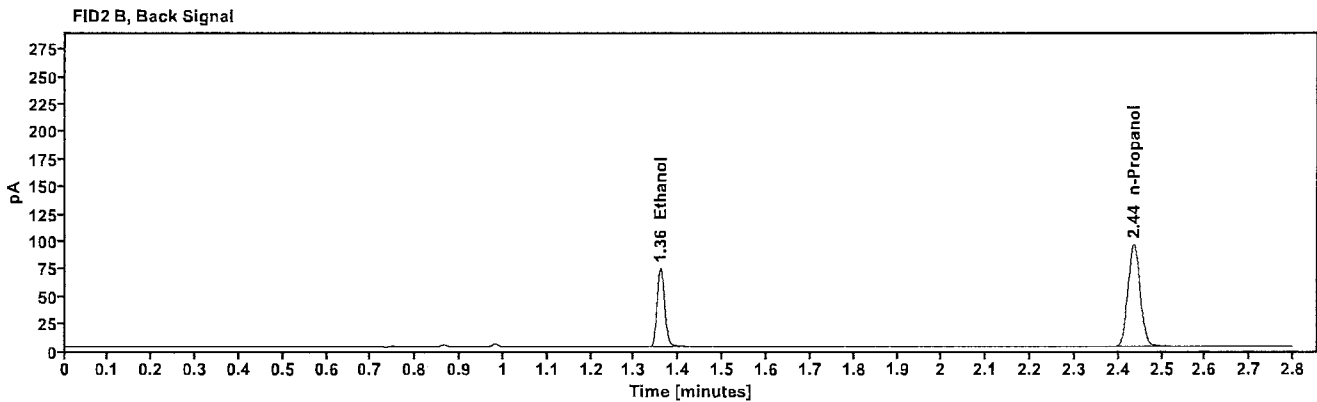
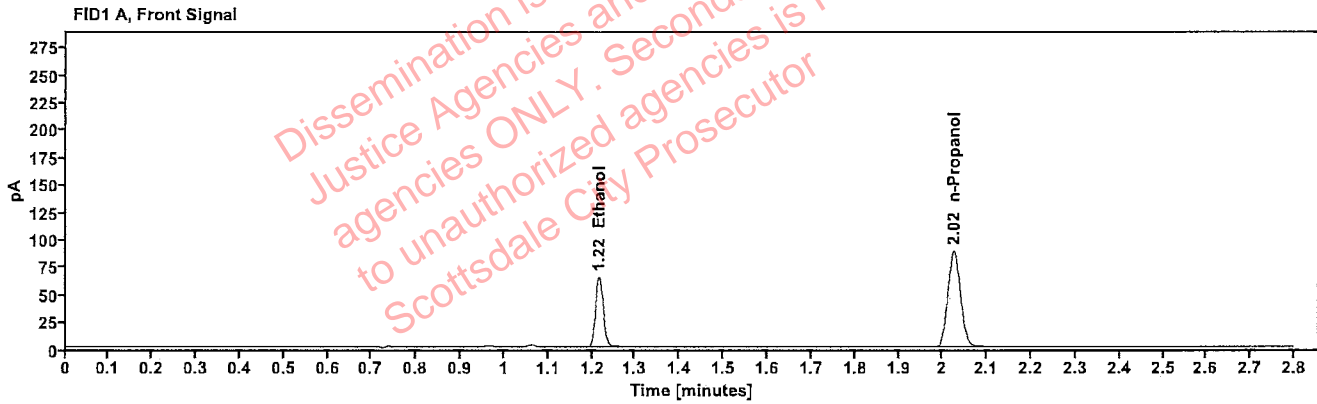


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1217	1.216	81.908
n-Propanol	-----	2.025	175.197

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

Compound	Time (min)	Peak Area
Ethanol	1.358	87.343
n-Propanol	2.436	186.498

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313709-3	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:45:34 PM
Data file:	C:\Chem32\1\Data\11Jul23\27.D	Analyst:	Abbott

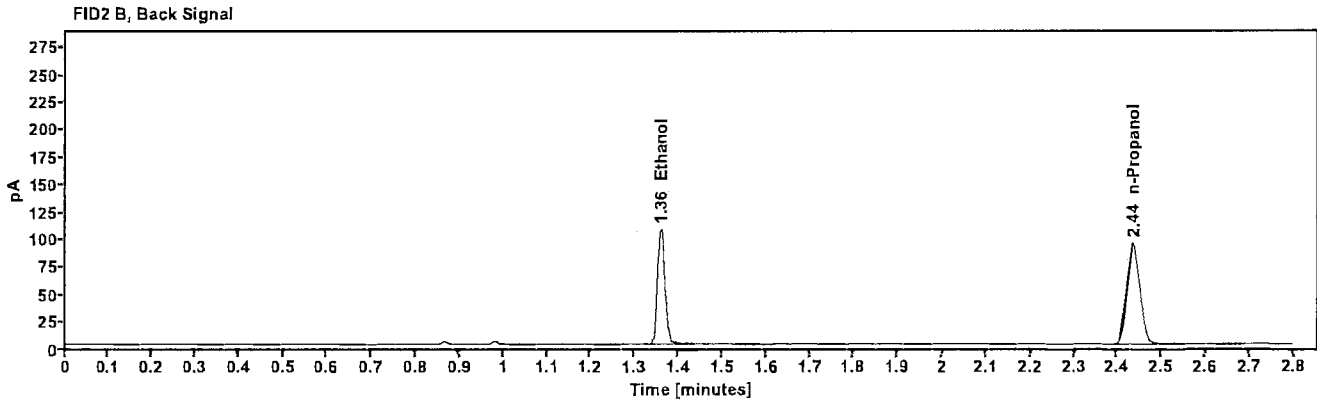
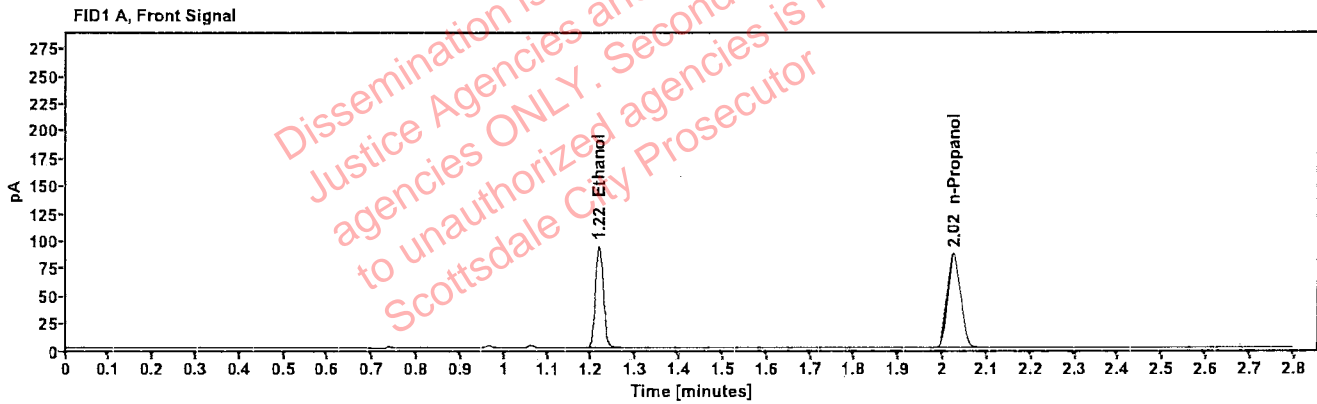


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1926	1.216	128.794
n-Propanol	-----	2.025	173.338

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

Compound	Time (min)	Peak Area
Ethanol	1.358	127.522
n-Propanol	2.436	182.993

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313709-3	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:49:34 PM
Data file:	C:\Chem32\1\Data\11Jul23\28.D	Analyst:	Abbott

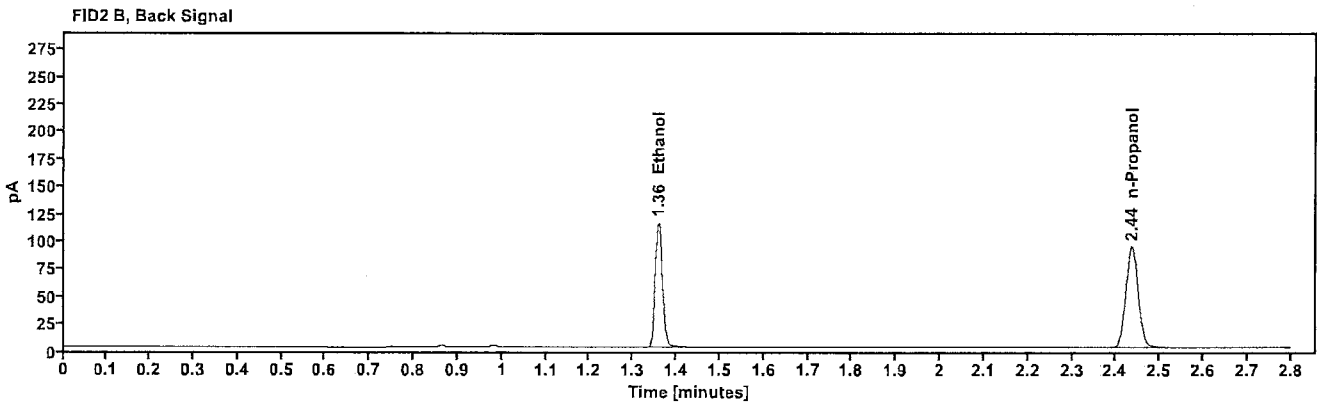
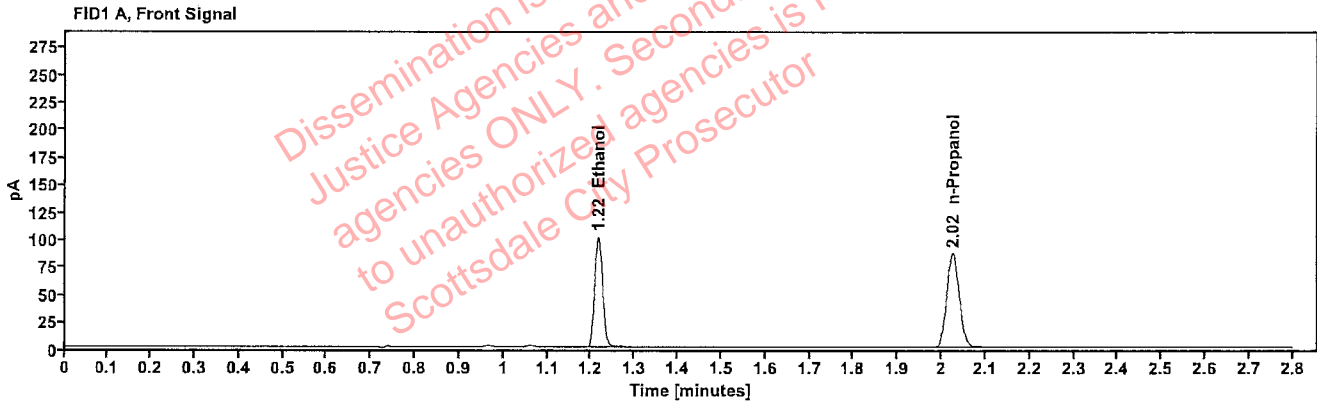


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1943	1.216	128.855
n-Propanol	-----	2.025	172.012

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

Compound	Time (min)	Peak Area
Ethanol	1.358	137.496
n-Propanol	2.436	182.982

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313715-2	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:53:34 PM
Data file:	C:\Chem32\1\Data\11Jul23\29.D	Analyst:	Abbott

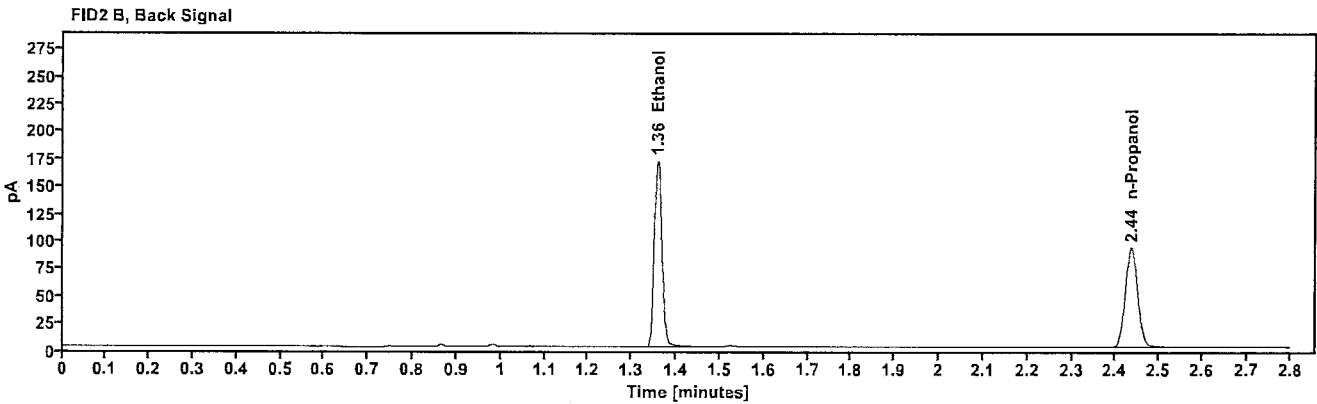
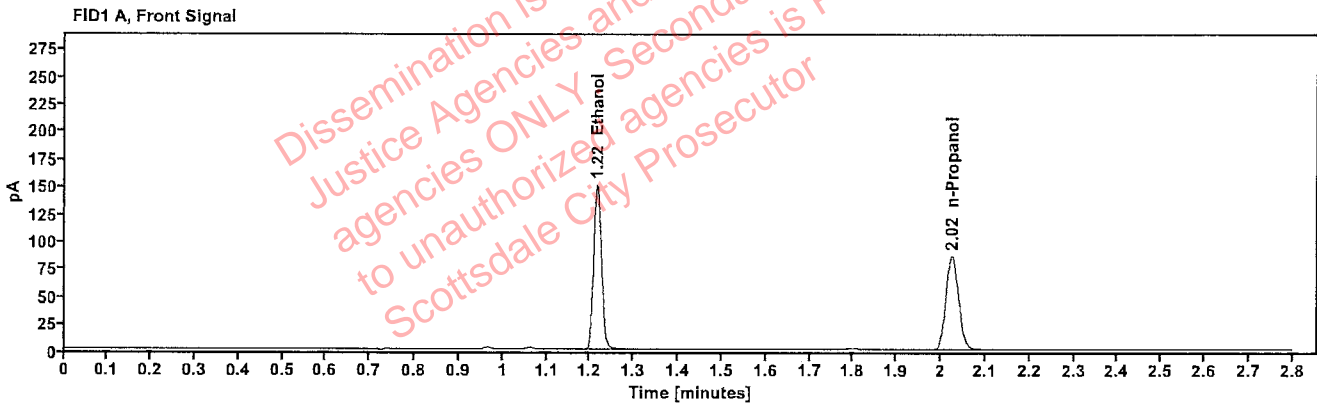


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2911	1.215	191.252
n-Propanol	---	2.025	170.094

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

Compound	Time (min)	Peak Area
Ethanol	1.358	205.260
n-Propanol	2.436	180.699

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313715-2	Vial:	30
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 4:57:34 PM
Data file:	C:\Chem32\1\Data\11Jul23\30.D	Analyst:	Abbott

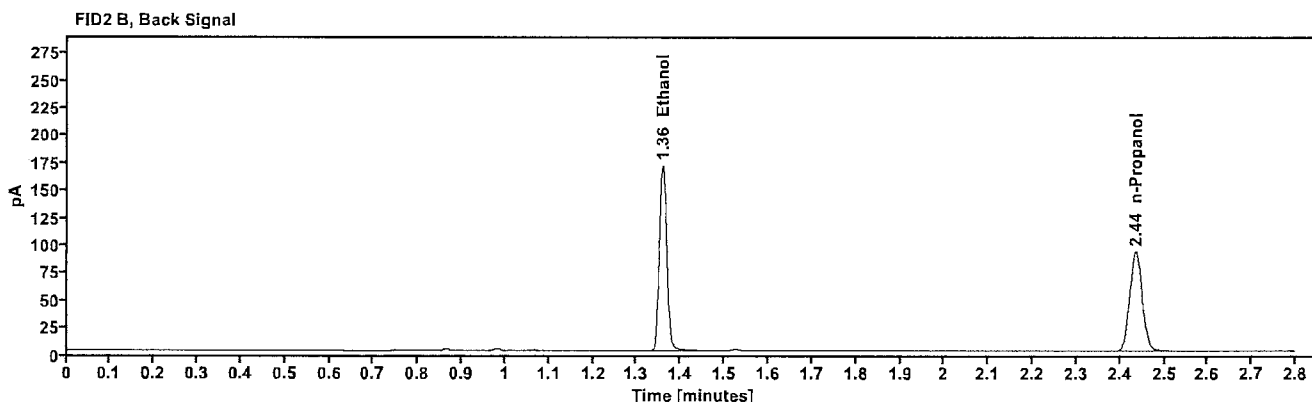
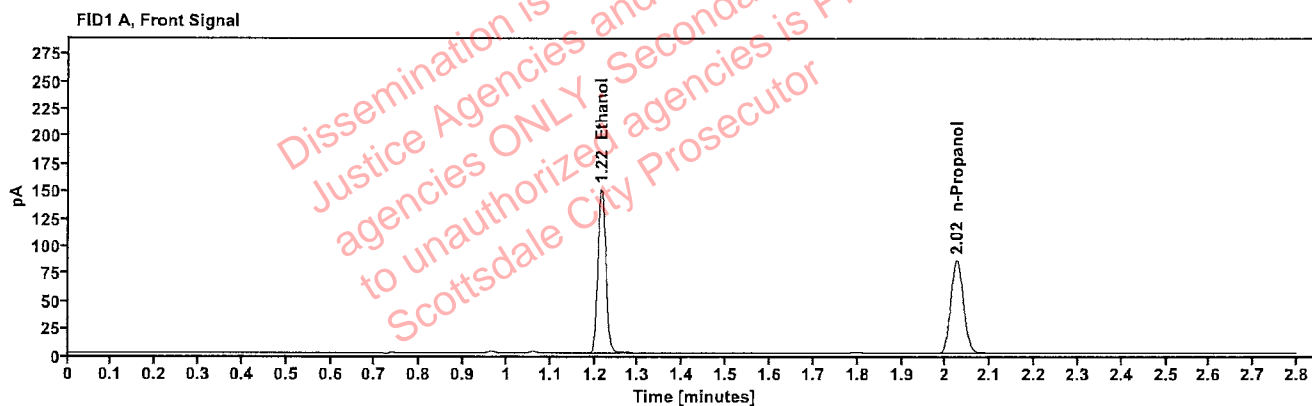


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2915	1.215	190.960
n-Propanol	---	2.025	169.605

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

Compound	Time (min)	Peak Area
Ethanol	1.358	204.930
n-Propanol	2.436	180.082



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313721-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:05:50 PM
Data file:	C:\Chem32\1\Data\11Jul23\32.D	Analyst:	Abbott

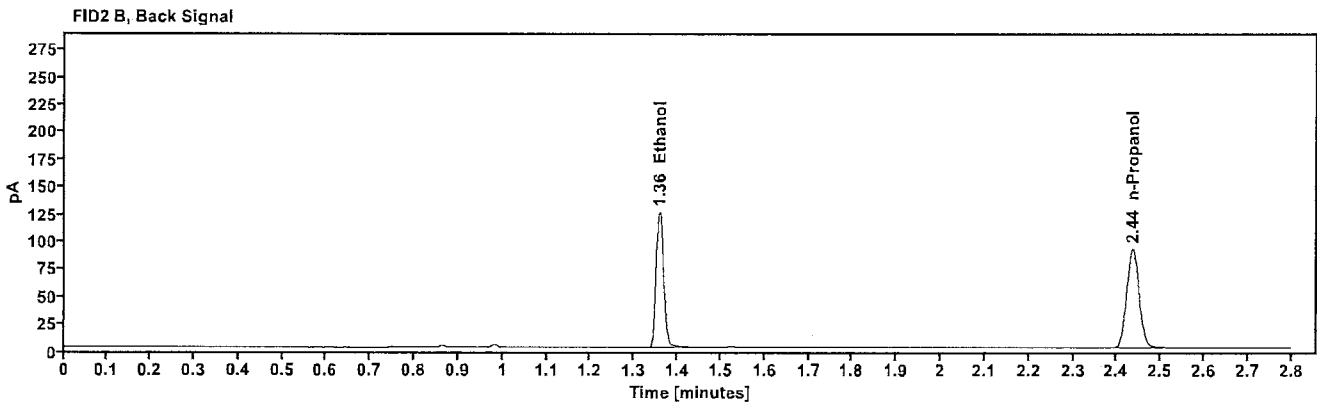
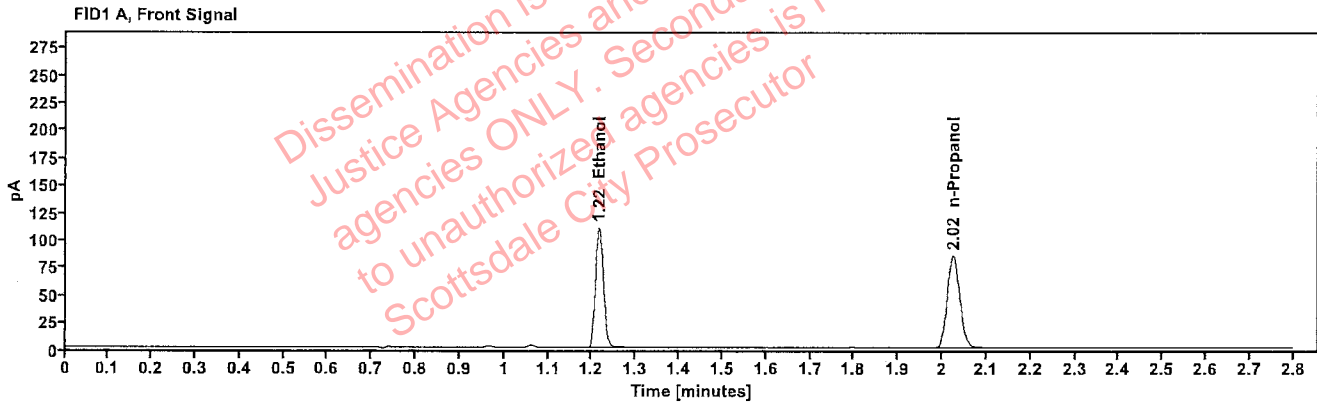


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2157	1.215	139.983
n-Propanol	-----	2.025	168.280

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

Compound	Time (min)	Peak Area
Ethanol	1.358	149.656
n-Propanol	2.436	178.834

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313721-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:09:49 PM
Data file:	C:\Chem32\1\Data\11Jul23\33.D	Analyst:	Abbott

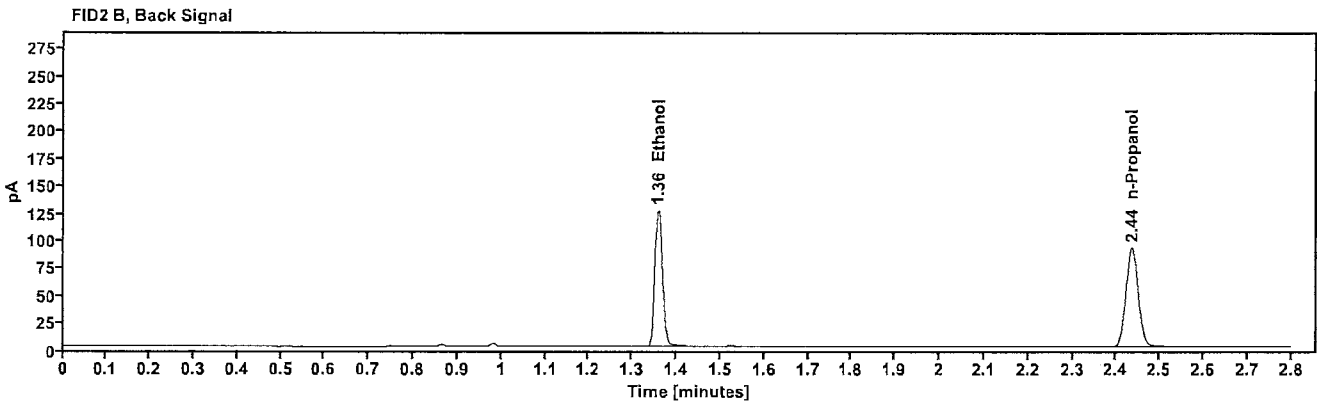
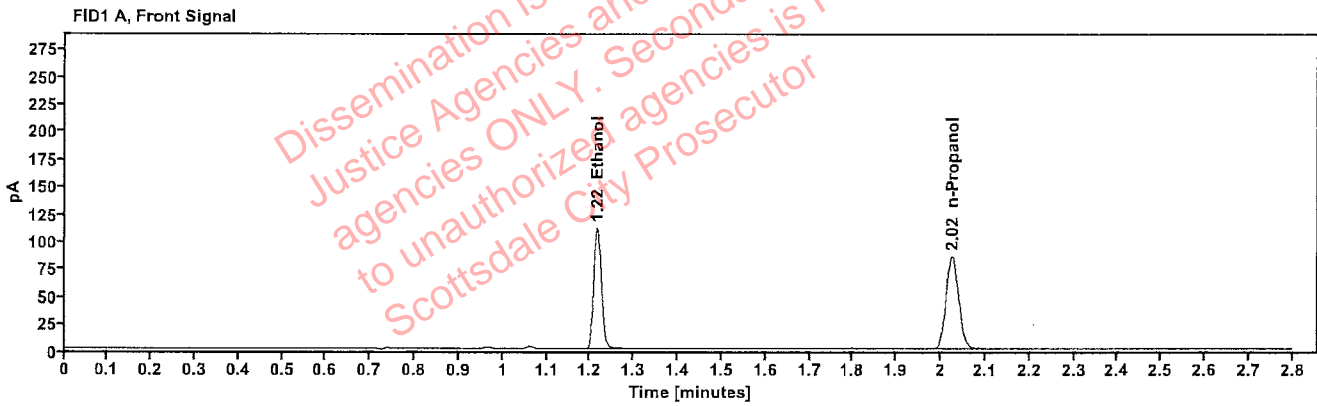


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2161	1.215	141.116
n-Propanol	----	2.025	169.276

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

Compound	Time (min)	Peak Area
Ethanol	1.358	150.970
n-Propanol	2.435	179.915

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313726-1	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:13:50 PM
Data file:	C:\Chem32\1\Data\11Jul23\34.D	Analyst:	Abbott

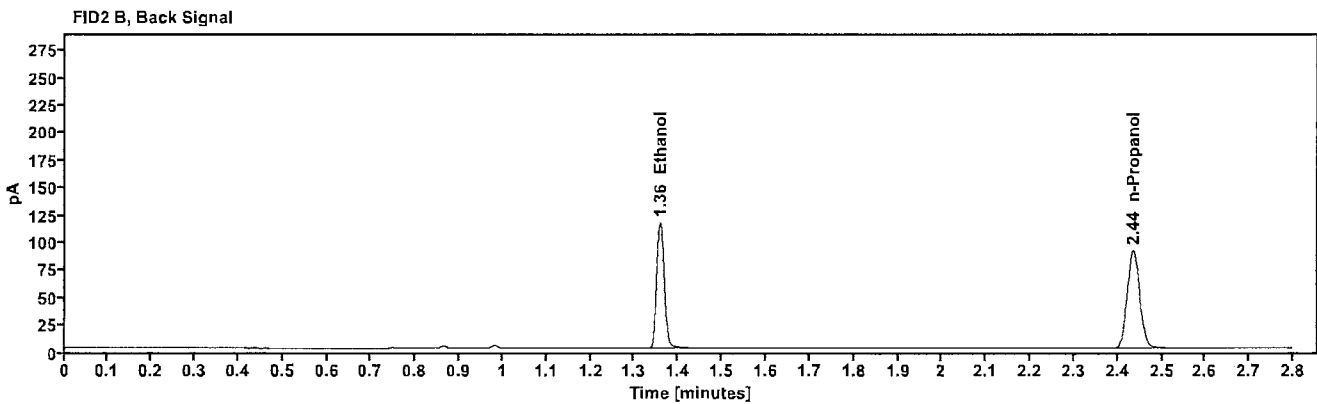
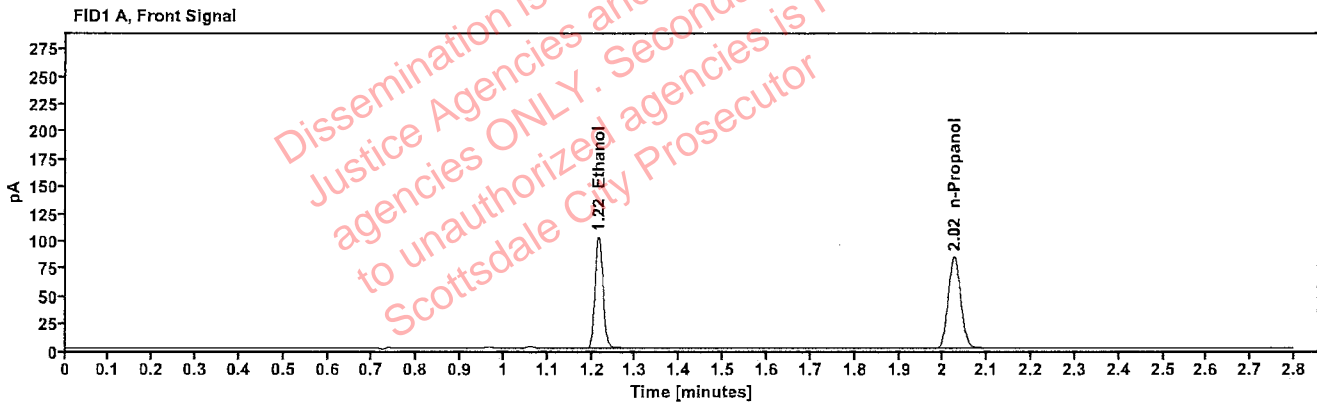


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.215	129.767
n-Propanol	-----	2.025	166.592

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

Compound	Time (min)	Peak Area
Ethanol	1.358	138.748
n-Propanol	2.435	177.096

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313726-1	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:17:49 PM
Data file:	C:\Chem32\1\Data\11Jul23\35.D	Analyst:	Abbott

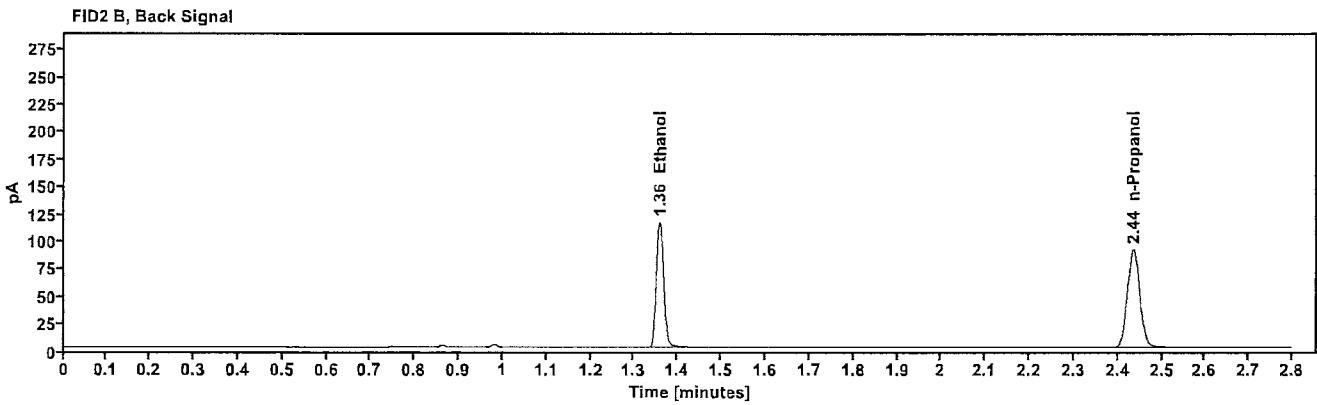
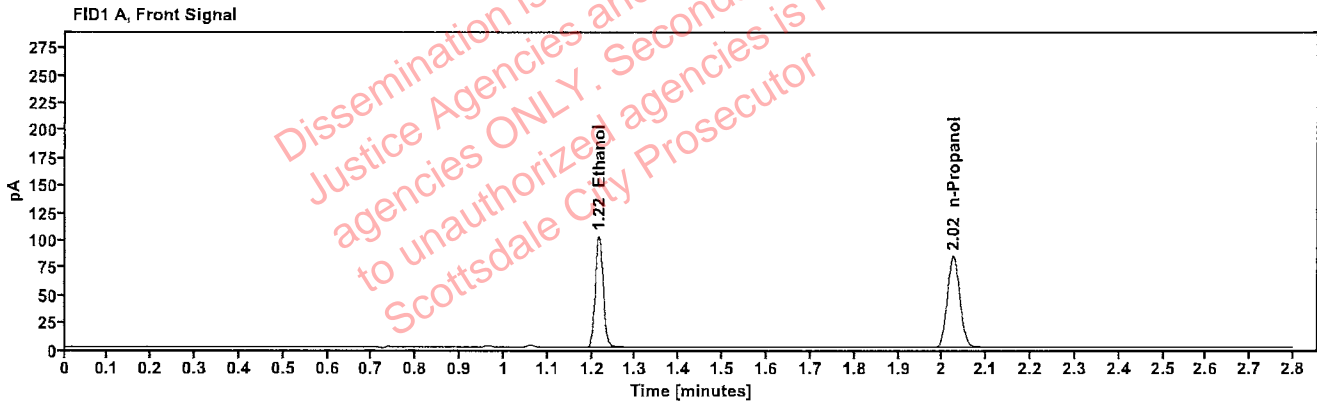


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.215	129.504
n-Propanol	-----	2.024	166.266

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

Compound	Time (min)	Peak Area
Ethanol	1.358	138.163
n-Propanol	2.435	176.742

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313650-1	Vial:	36
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:21:49 PM
Data file:	C:\Chem32\1\Data\11Jul23\36.D	Analyst:	Abbott

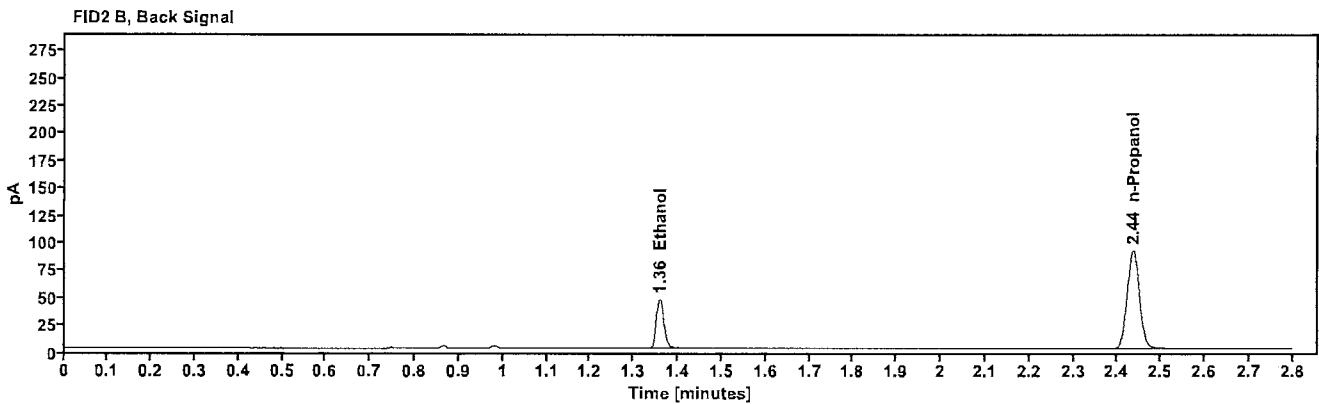
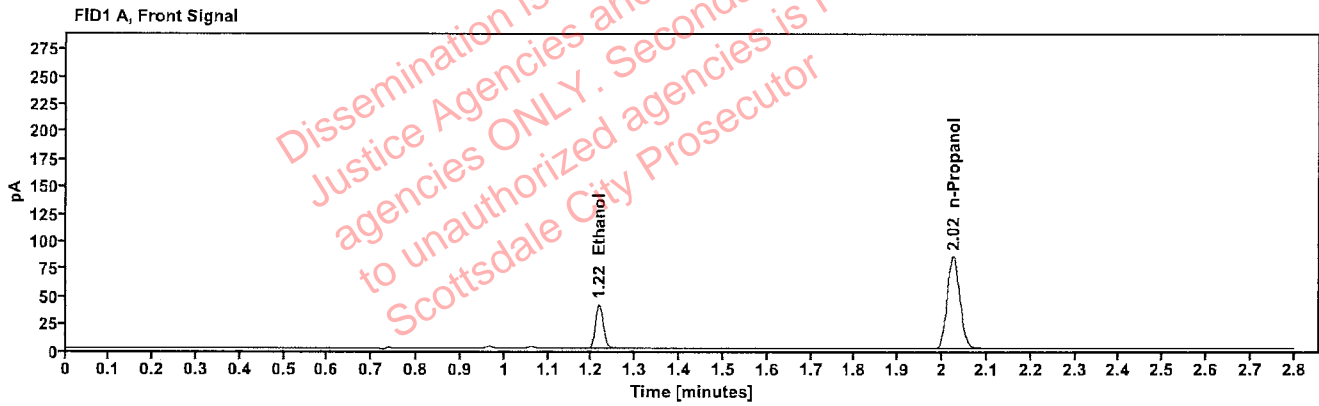


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.216	51.782
n-Propanol	-----	2.024	168.188

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

Compound	Time (min)	Peak Area
Ethanol	1.358	55.160
n-Propanol	2.435	179.023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313650-1	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:26:04 PM
Data file:	C:\Chem32\1\Data\11Jul23\37.D	Analyst:	Abbott

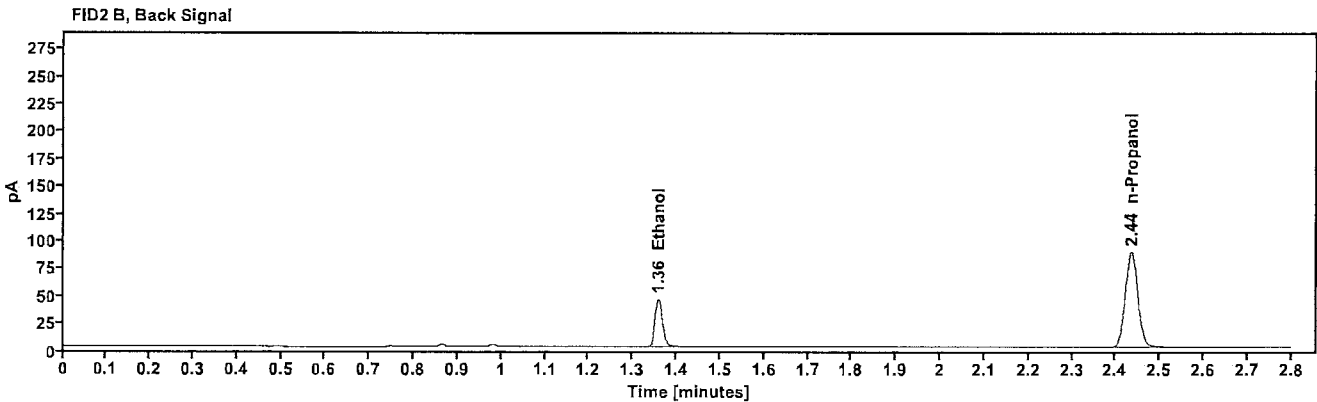
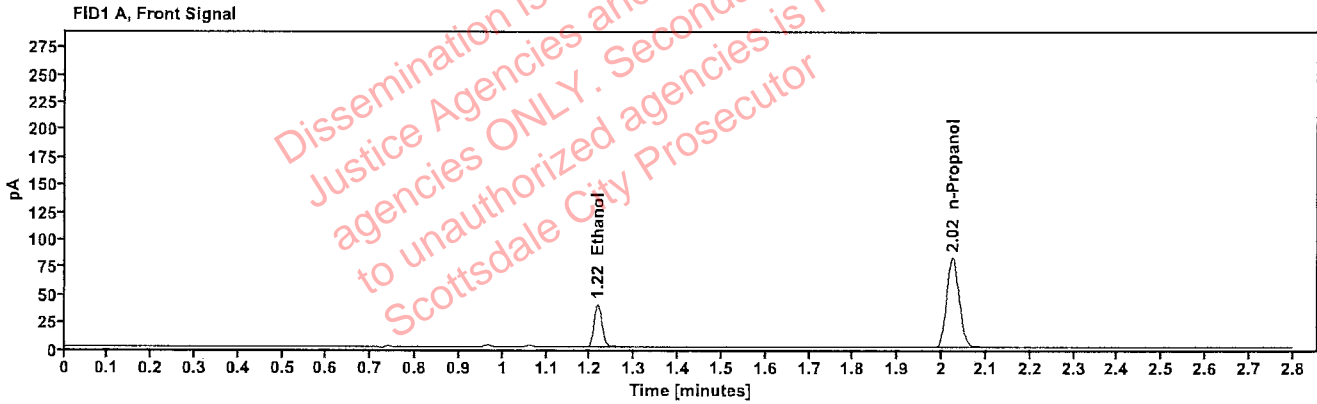


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.216	50.164
n-Propanol	---	2.024	162.682

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

Compound	Time (min)	Peak Area
Ethanol	1.358	53.168
n-Propanol	2.435	173.280

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313758-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:30:05 PM
Data file:	C:\Chem321\Data\11Jul23\38.D	Analyst:	Abbott

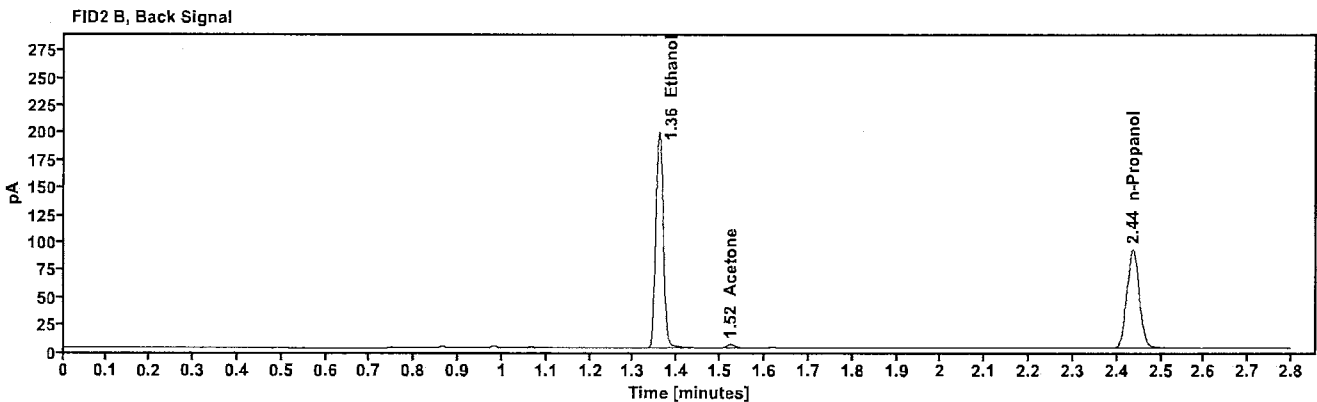
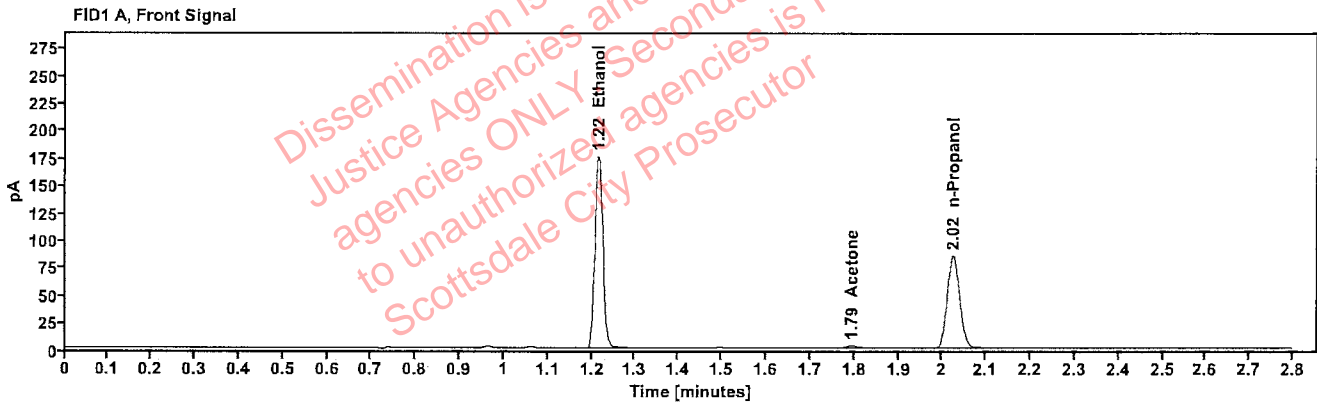


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3426	1.215	222.835
Acetone	-----	1.795	4.039
n-Propanol	-----	2.025	168.280

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

Compound	Time (min)	Peak Area
Ethanol	1.358	239.065
Acetone	1.523	4.244
n-Propanol	2.436	178.711

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313758-2	Vial:	39
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:34:05 PM
Data file:	C:\Chem32\1\Data\11Jul23\39.D	Analyst:	Abbott

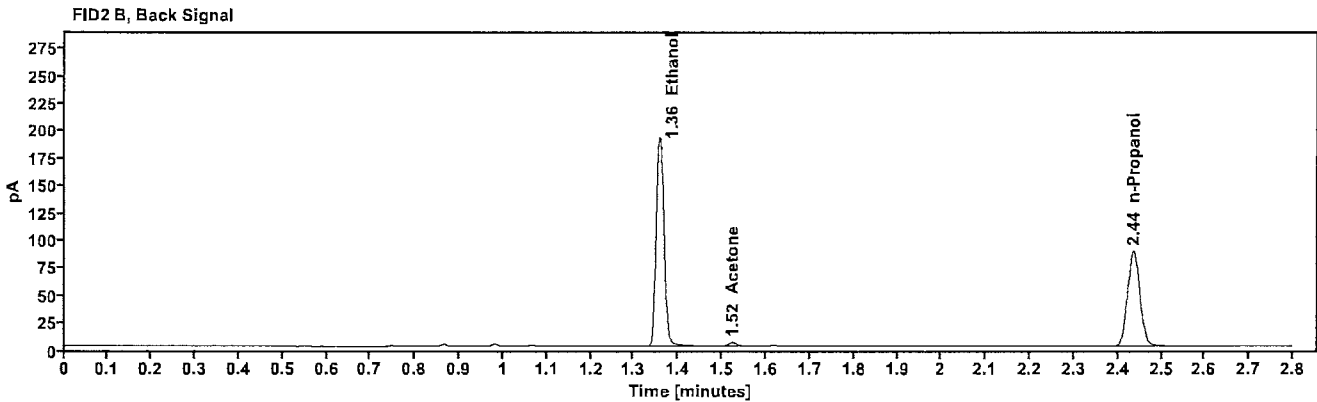
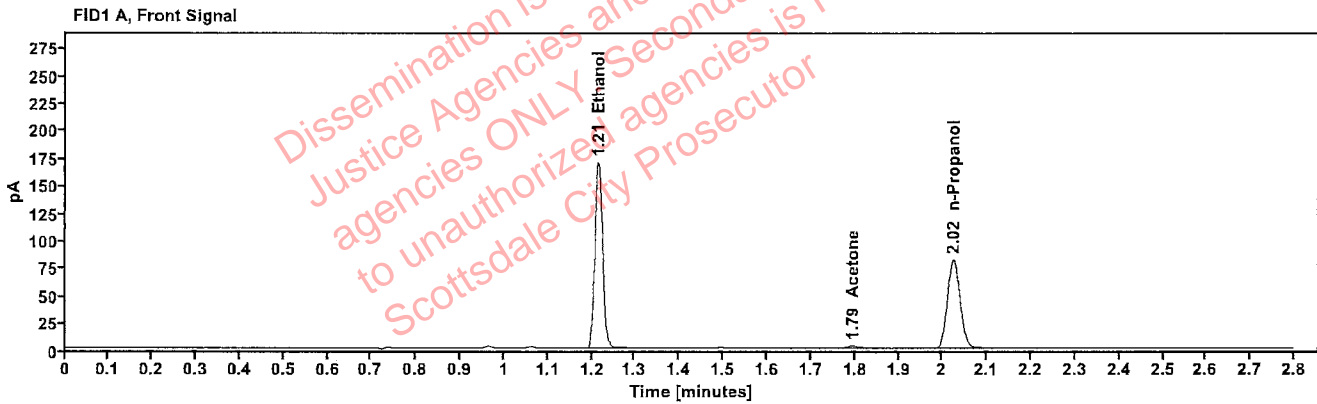


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3440	1.215	215.469
Acetone	-----	1.795	3.968
n-Propanol	-----	2.024	162.087

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

Compound	Time (min)	Peak Area
Ethanol	1.357	231.210
Acetone	1.523	4.146
n-Propanol	2.435	172.151



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312412-3	Vial:	40
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:38:05 PM
Data file:	C:\Chem32\1\Data\11Jul23\40.D	Analyst:	Abbott

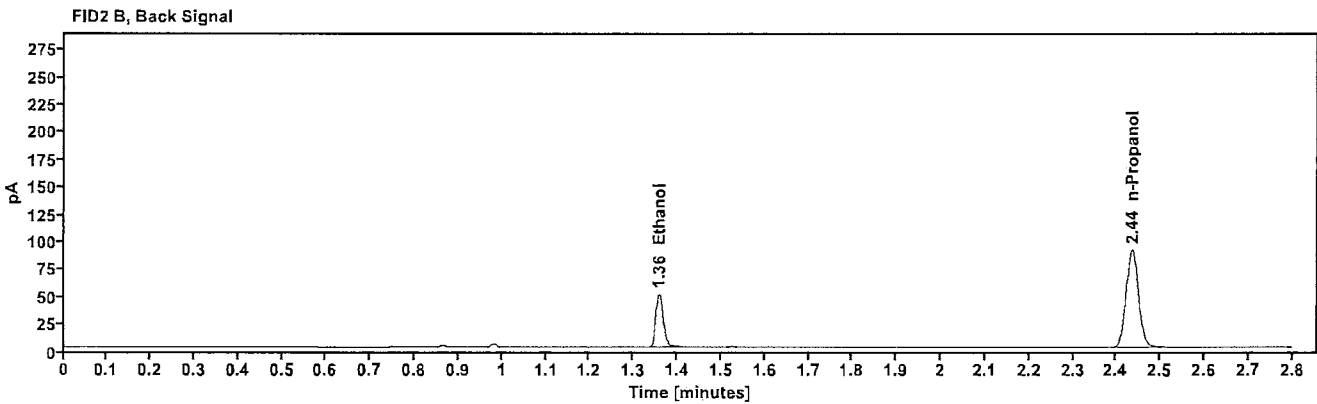
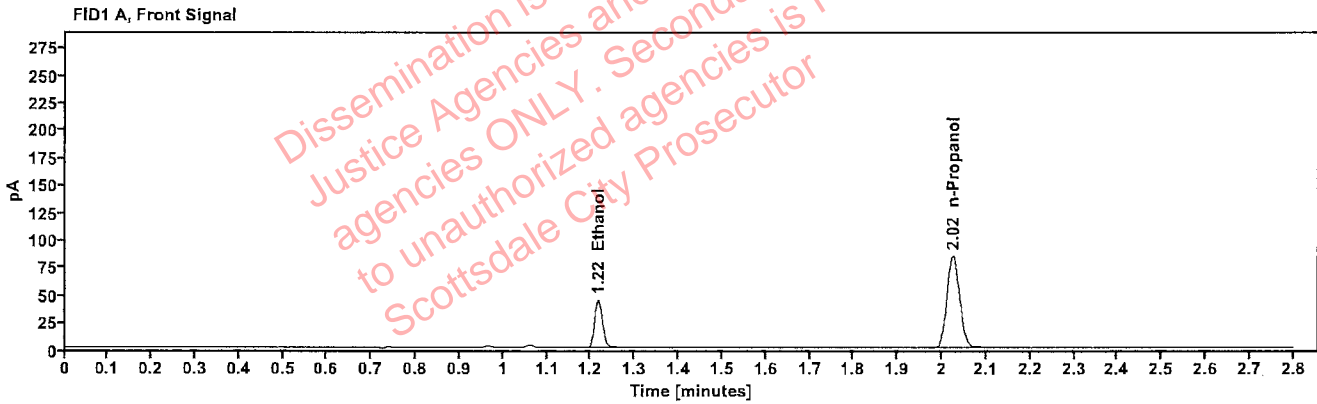


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0874	1.216	55.755
n-Propanol	---	2.024	166.665

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

Compound	Time (min)	Peak Area
Ethanol	1.358	59.205
n-Propanol	2.435	177.411

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312412-3	Vial:	41
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/11/2023 5:42:04 PM
Data file:	C:\Chem32\1\Data\11Jul23\41.D	Analyst:	Abbott

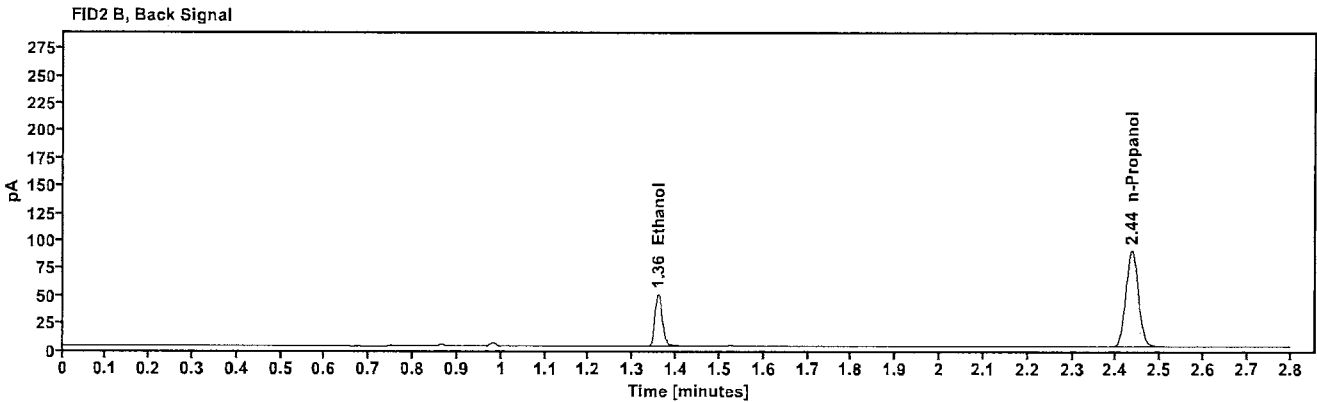
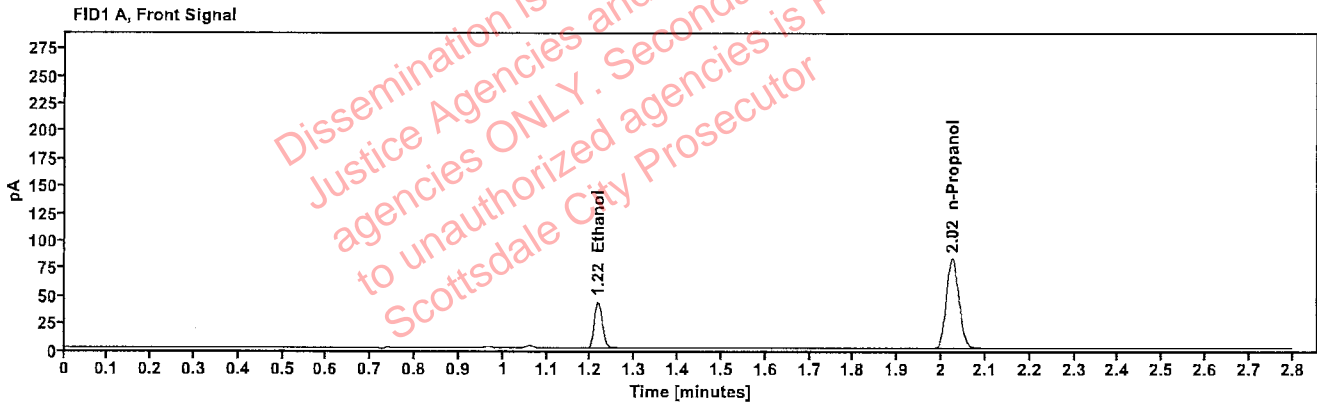


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0870	1.216	54.677
n-Propanol	-----	2.024	164.275

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

Compound	Time (min)	Peak Area
Ethanol	1.358	58.250
n-Propanol	2.435	174.738