

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 09/26/2023 SEQUENCE NAME 26Sep23

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN11172002 0.99996  
 Vial 3 0.20 calibrator Lot FN03132302  
 Vial 4 0.40 calibrator Lot FN03052102

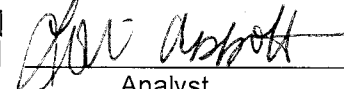
**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.402 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	0.202 g/dL	ACQ 4110320133/11
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
42	Aqueous control	0.400 g/dL	0.403 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	0.205 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD lab 060223AQ

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 1

**ADDITIONAL NOTES:** The duplicate samples in vial positions #40 and #41 did not agree within 2% of the mean.

Run valid   
 Run invalid   
  
 Analyst

Run valid   
 Run invalid   
  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

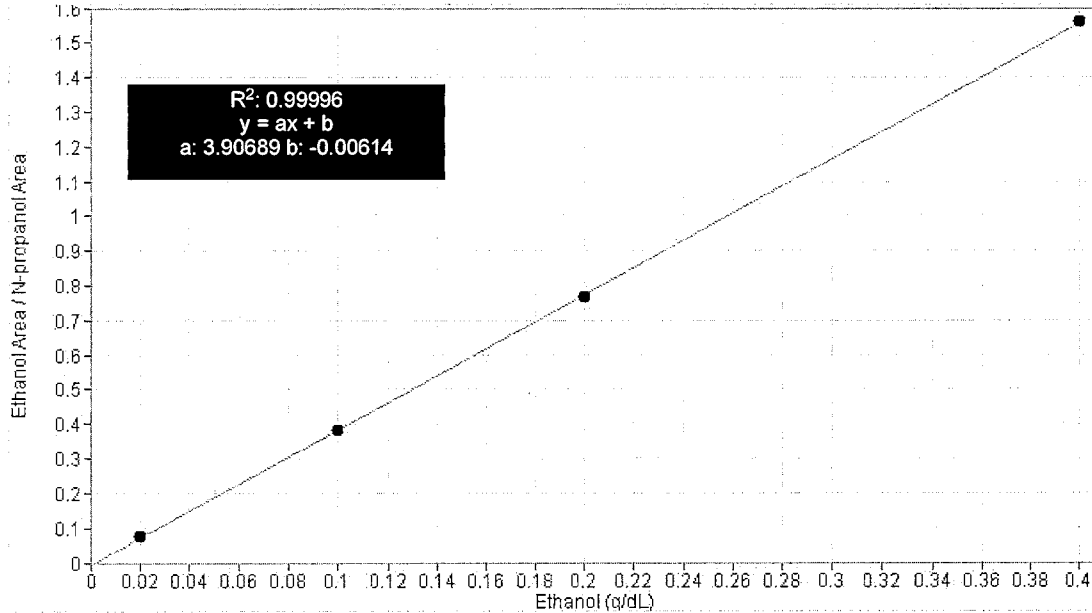
SEQUENCE NAME: 26Sep23

ANALYST: Abbott *AL*

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	0.041	0.040	2.50	0.001
0.199 4110320133/11	9	0.202	0.199	1.51	0.003
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	42	0.403	0.400	0.75	0.003
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 4110320133/11	44	0.205	0.199	3.02	0.006
blank 060223AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.848	157.734	0.075
0.100	59.096	153.829	0.384
0.200	119.655	155.422	0.770
0.400	245.716	157.588	1.559

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03122113	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 26Sep23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/26/2023 3:33:20 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>ph</i>
<b>Data file:</b> C:\Chem32\1\Data\26Sep23\1.D	

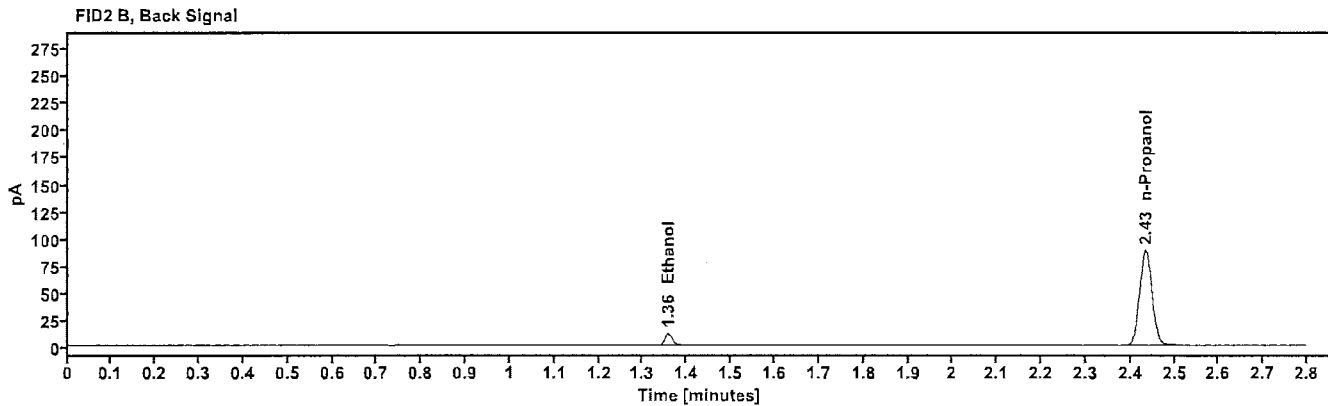
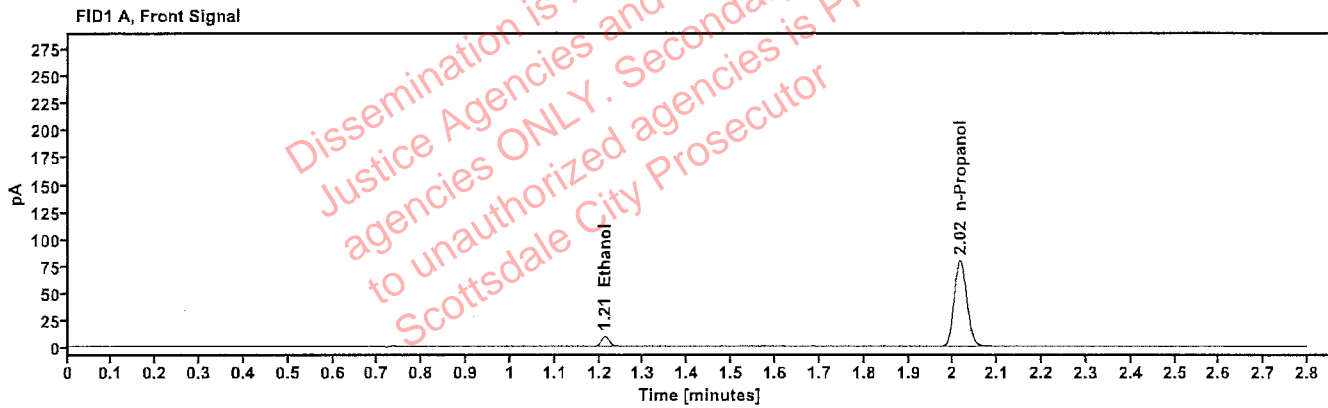


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.848
n-Propanol	2.016	157.734

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

Compound	Time (min)	Peak Area
Ethanol	1.357	13.023
n-Propanol	2.434	172.823

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN11172002	Vial:	2
Description:	0.100 calibrator	Sequence:	26Sep23
Method:	ethanol quant.M	Injection date:	9/26/2023 3:37:19 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>DA</i>
Data file:	C:\Chem32\1\Data\26Sep23\2.D		

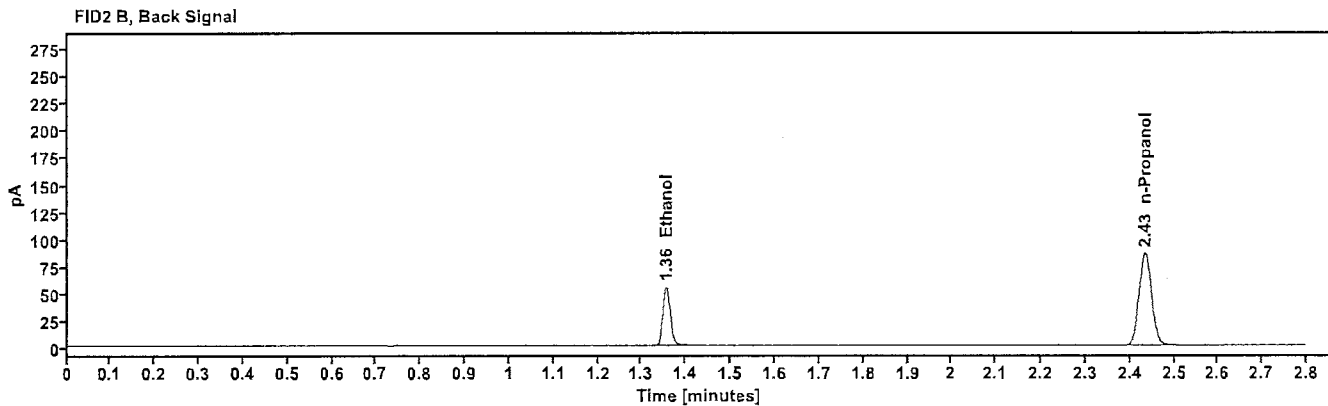
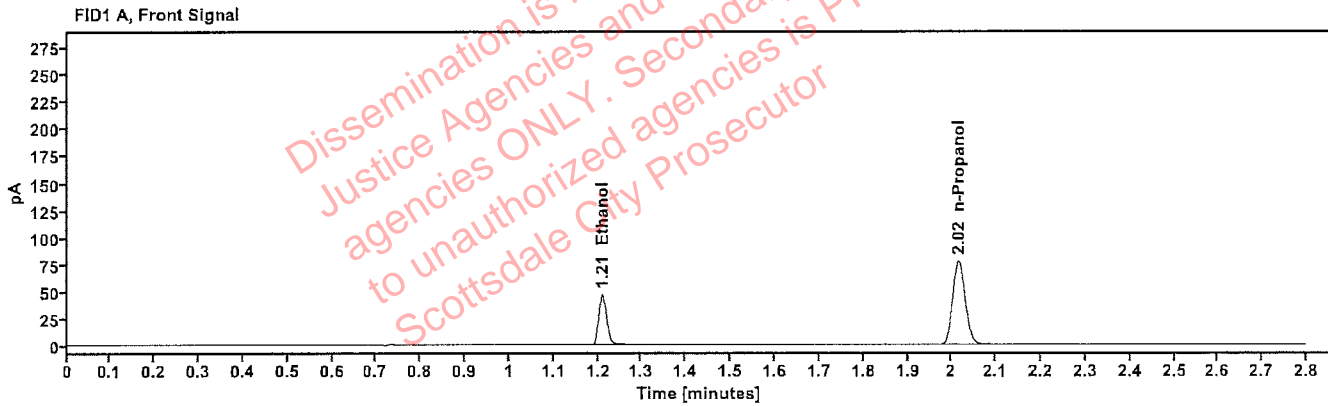


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	59.096
n-Propanol	2.016	153.829

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

Compound	Time (min)	Peak Area
Ethanol	1.355	65.084
n-Propanol	2.434	168.577

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03132302	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 26Sep23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/26/2023 3:41:19 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>pl</i>
<b>Data file:</b> C:\Chem32\1\Data\26Sep23\3.D	

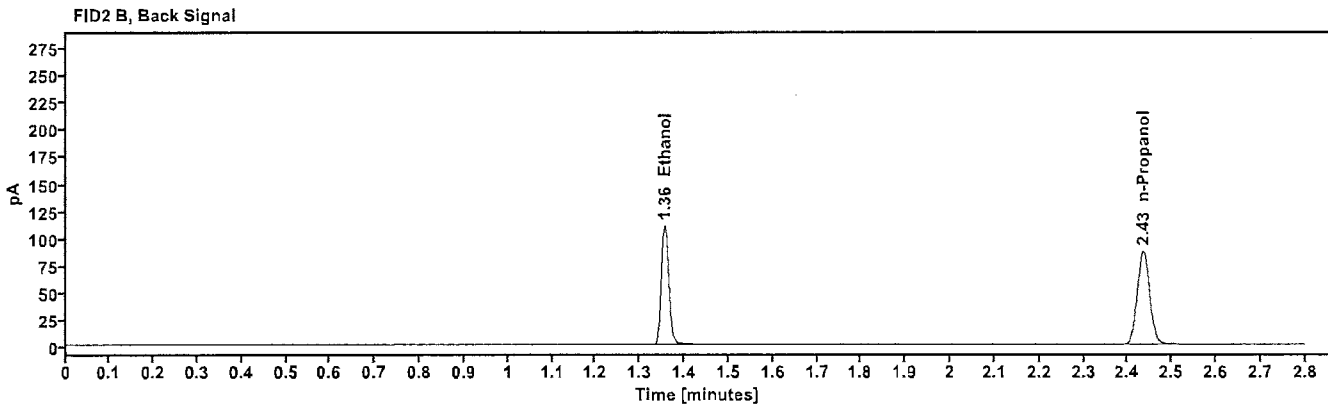
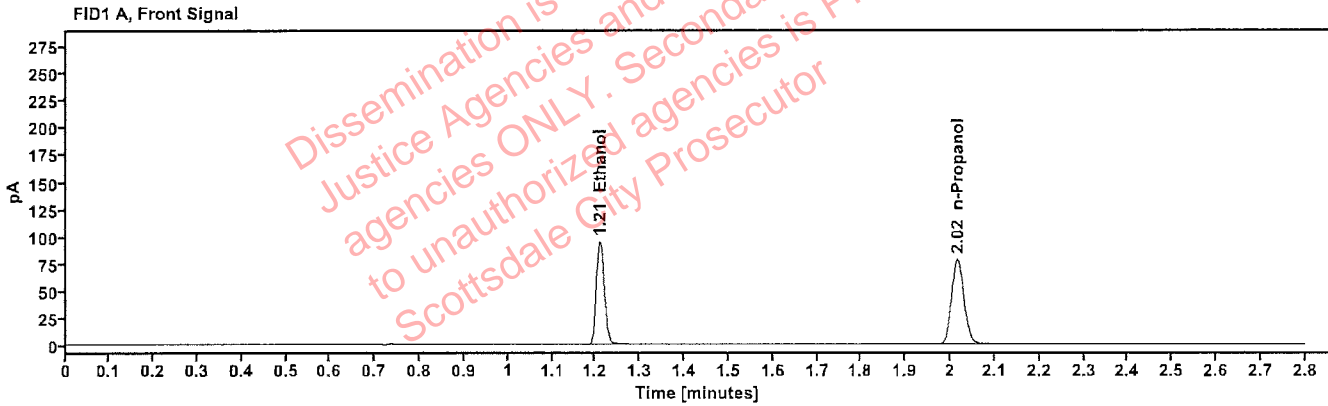


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	119.655
n-Propanol	2.016	155.422

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

Compound	Time (min)	Peak Area
Ethanol	1.355	131.589
n-Propanol	2.435	170.071

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 26Sep23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/26/2023 3:45:20 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>DA</i>
<b>Data file:</b> C:\Chem32\1\Data\26Sep23\4.D	

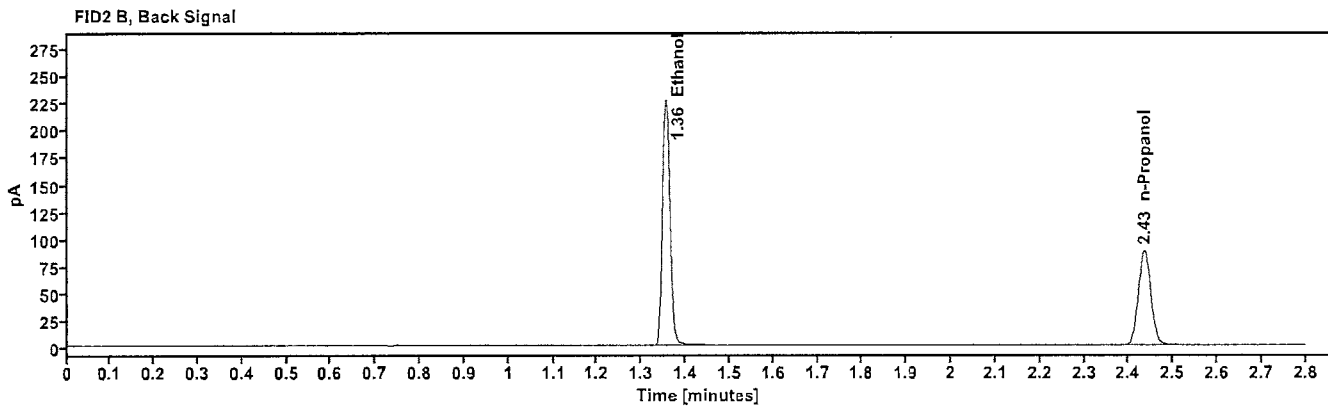
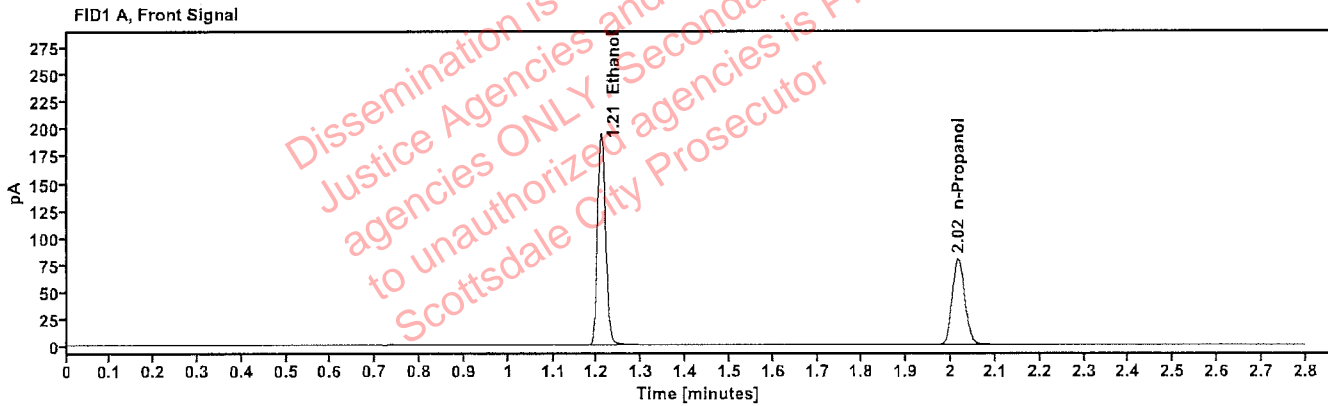


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	245.716
n-Propanol	2.016	157.588

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

Compound	Time (min)	Peak Area
Ethanol	1.355	271.213
n-Propanol	2.435	172.542

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 26Sep23
Instrument: US14173023 CN14160045	Injection date: 9/26/2023 3:49:19 PM
Data file: C:\Chem32\1\Data\26Sep23\5.D	Analyst: Abbott <i>Abbott</i>

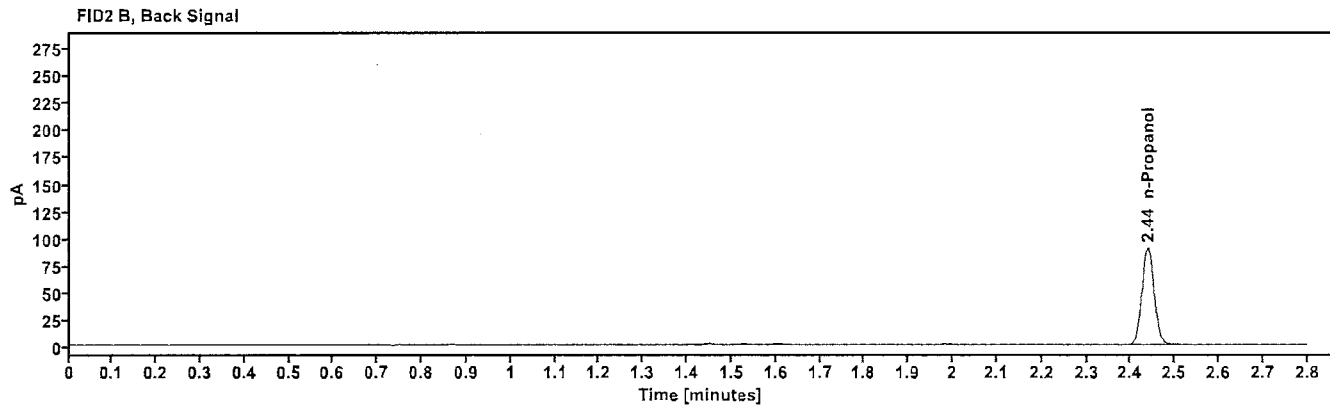
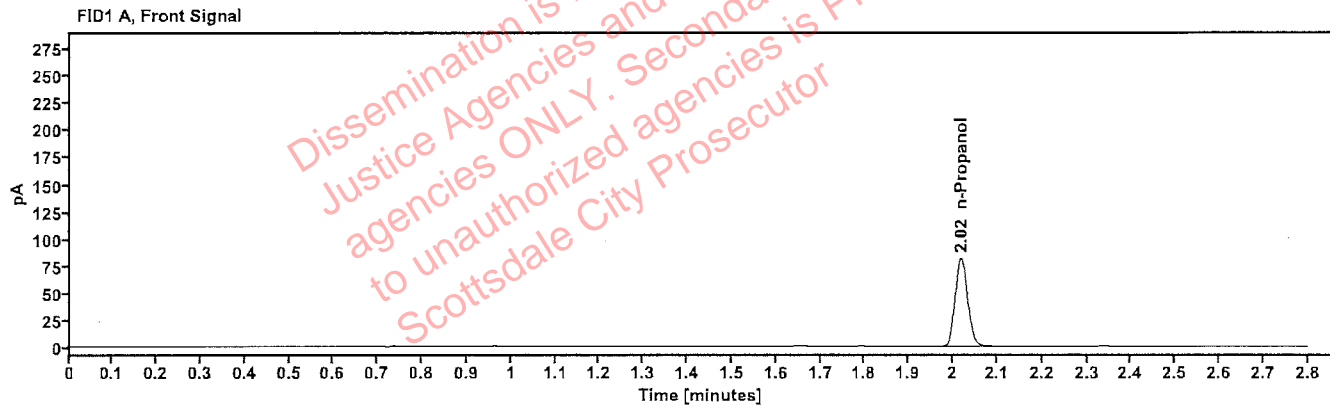


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.018	161.079

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

Compound	Time (min)	Peak Area
n-Propanol	2.439	176.889

# 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> 26Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/26/2023 3:53:19 PM
<b>Data file:</b> C:\Chem32\1\Data\26Sep23\6.D	<b>Analyst:</b> Abbott

*ph*

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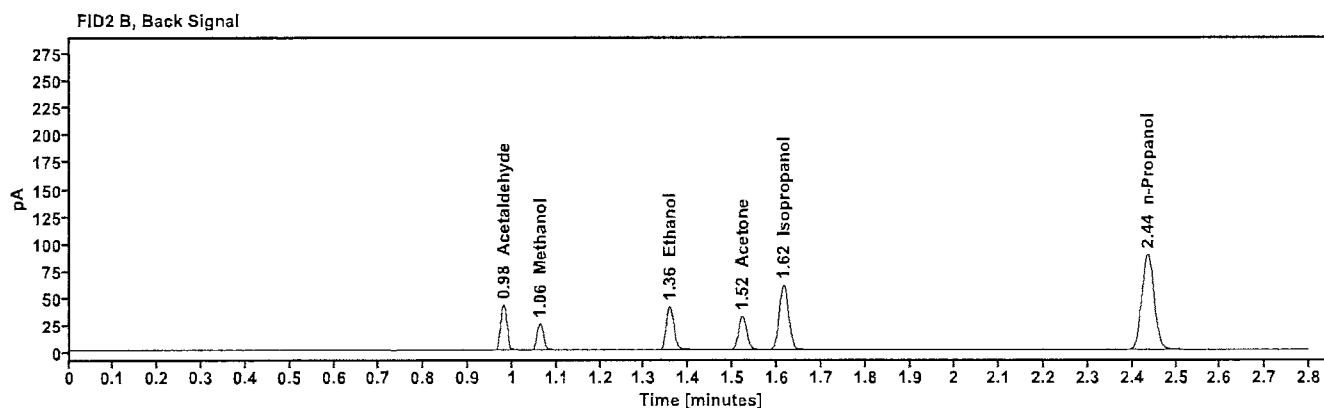
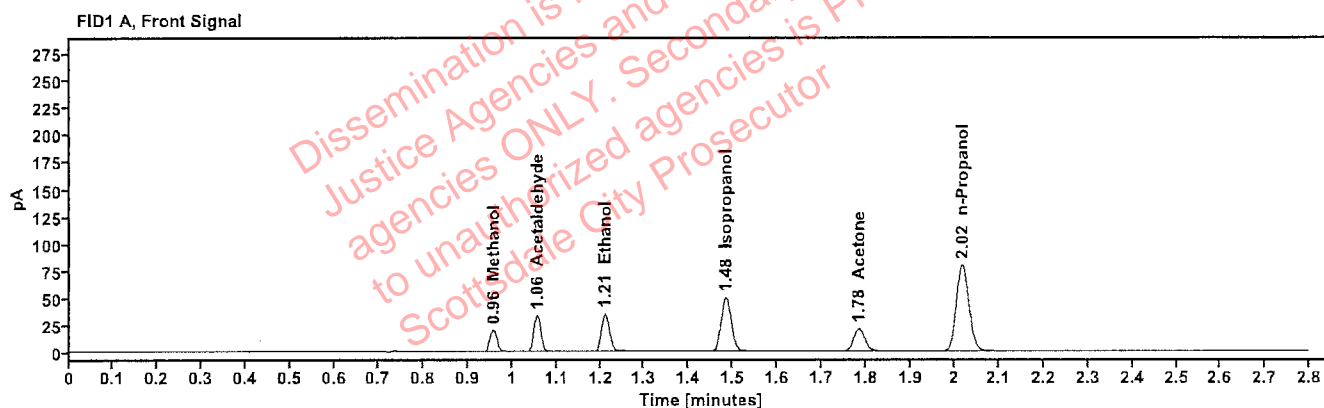


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	22.750
Acetaldehyde	-----	1.055	36.603
>Ethanol	0.0732	1.211	44.313
Isopropanol	-----	1.484	79.485
Acetone	-----	1.785	36.472
n-Propanol	-----	2.016	158.273

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	41.070
Methanol	1.062	25.418
Ethanol	1.357	48.780
Acetone	1.521	40.208
Isopropanol	1.615	88.254
n-Propanol	2.435	173.334



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 26Sep23
Instrument: US14173023 CN14160045	Injection date: 9/26/2023 3:57:35 PM
Data file: C:\Chem32\1\Data\26Sep23\7.D	Analyst: Abbott <i>Abbott</i>

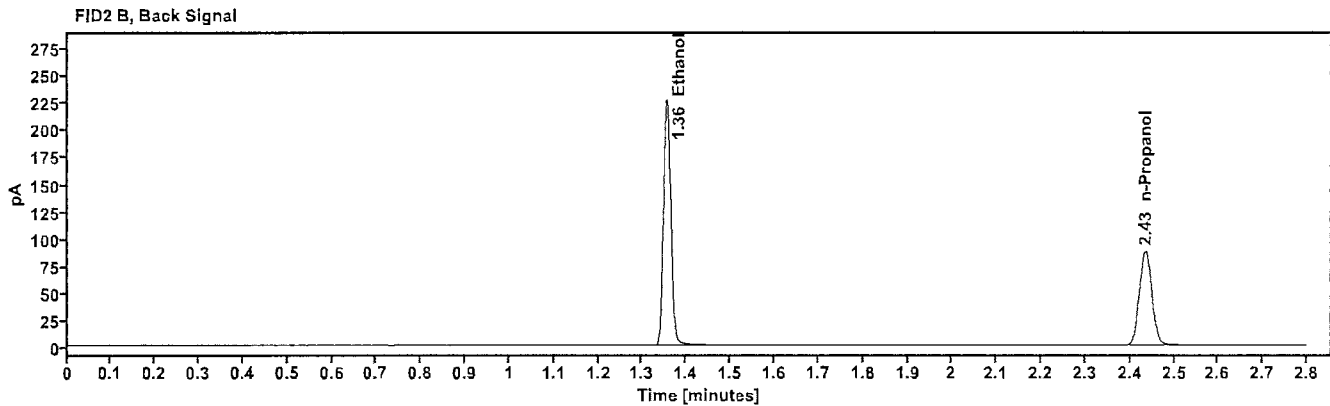
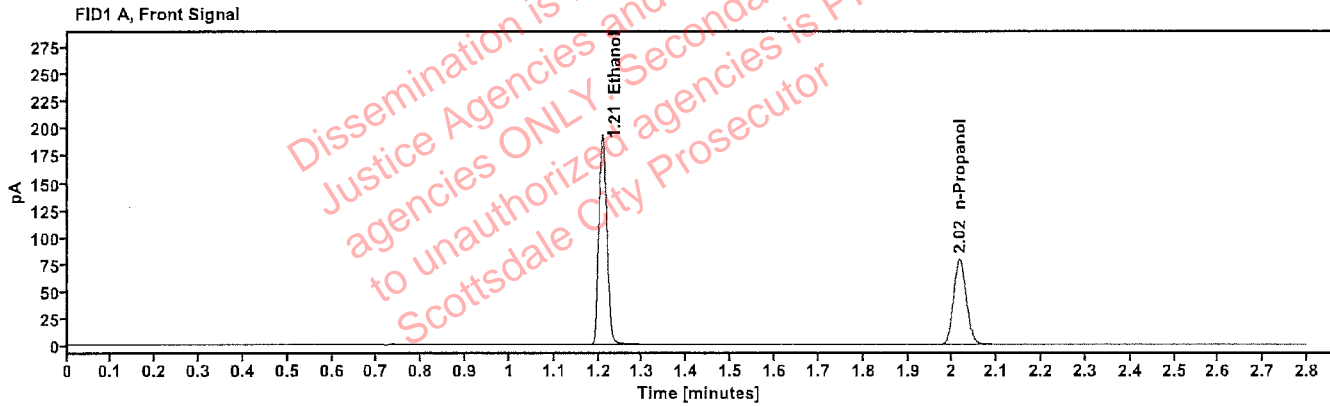


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4021	1.209	245.277
n-Propanol	-----	2.016	156.755

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

Compound	Time (min)	Peak Area
Ethanol	1.355	270.606
n-Propanol	2.435	171.772

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 26Sep23
Instrument: US14173023 CN14160045	Injection date: 9/26/2023 4:01:35 PM
Data file: C:\Chem32\1\Data\26Sep23\8.D	Analyst: Abbott <i>JA</i>

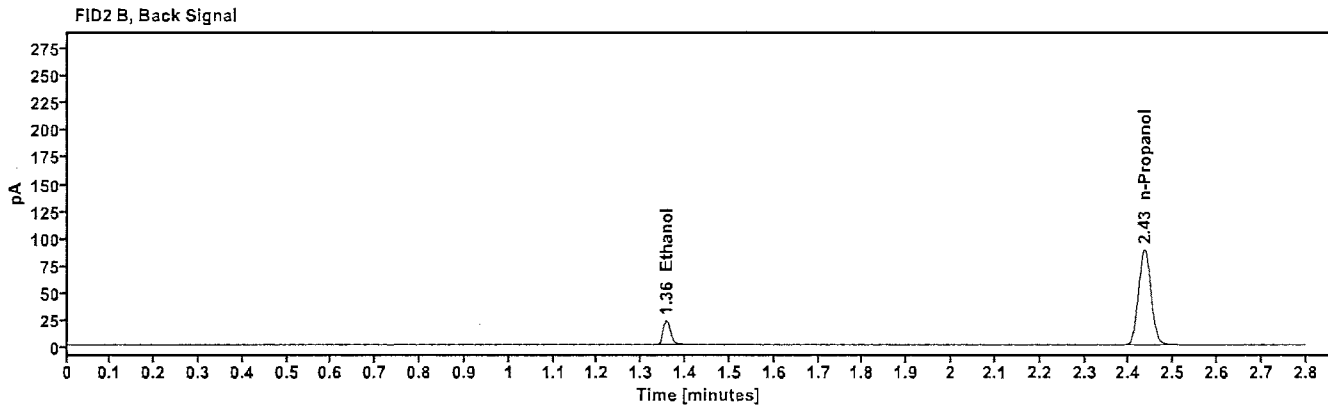
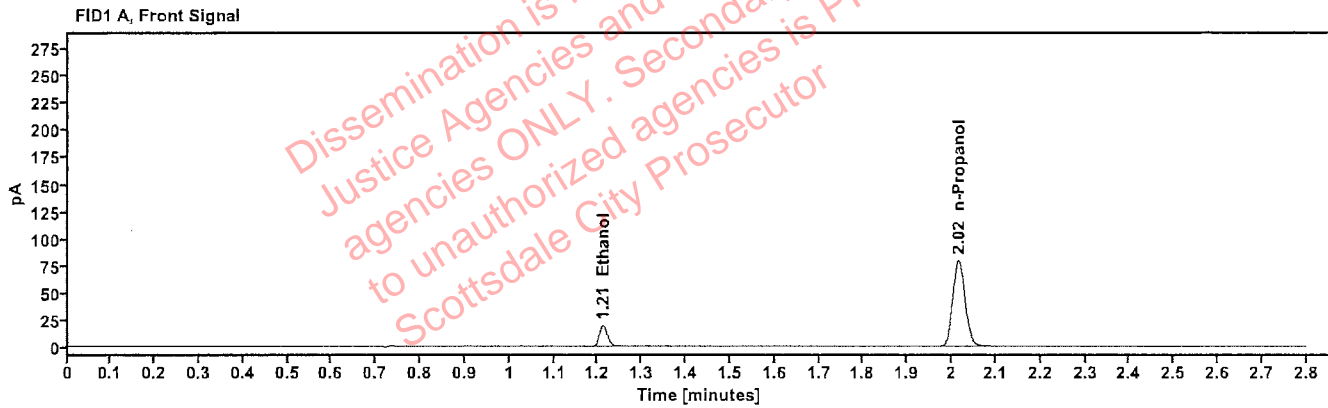


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.211	24.472
n-Propanol	----	2.016	158.121

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.991
n-Propanol	2.435	173.309

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 26Sep23
Instrument: US14173023 CN14160045	Injection date: 9/26/2023 4:05:34 PM
Data file: C:\Chem32\1\Data\26Sep23\9.D	Analyst: Abbott

*Abbott*

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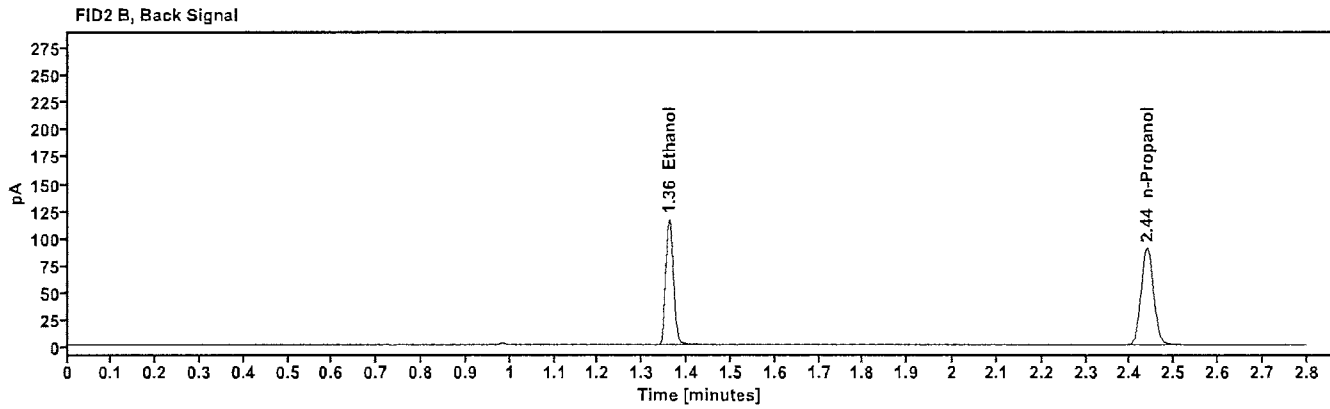
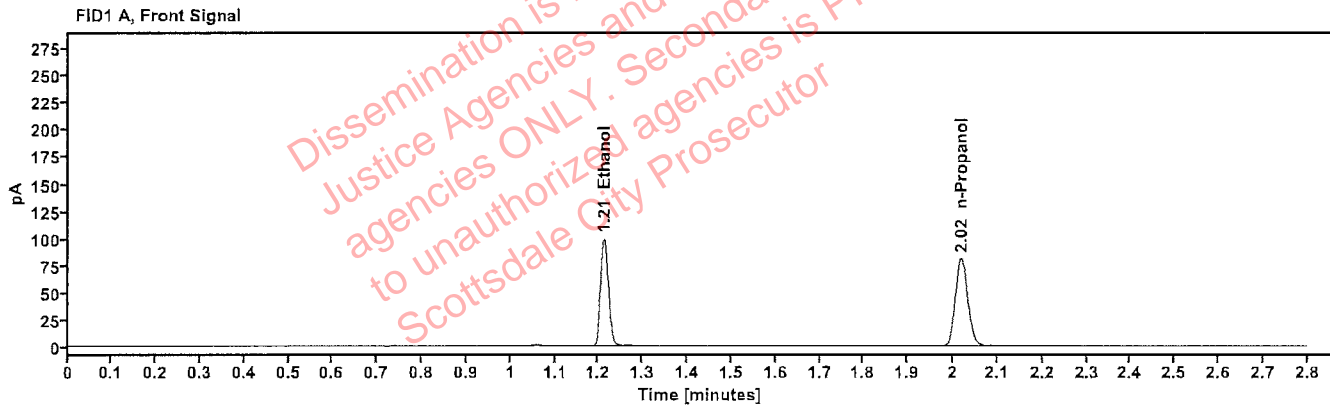


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2026	1.212	126.510
n-Propanol	---	2.019	161.086

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

Compound	Time (min)	Peak Area
Ethanol	1.360	139.217
n-Propanol	2.439	176.569

# 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> 26Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/26/2023 4:50:05 PM
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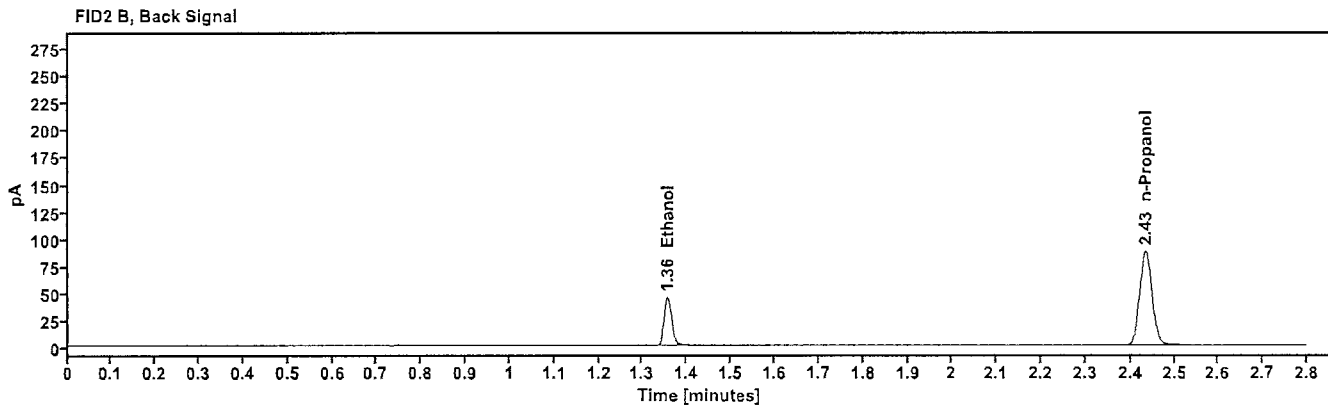
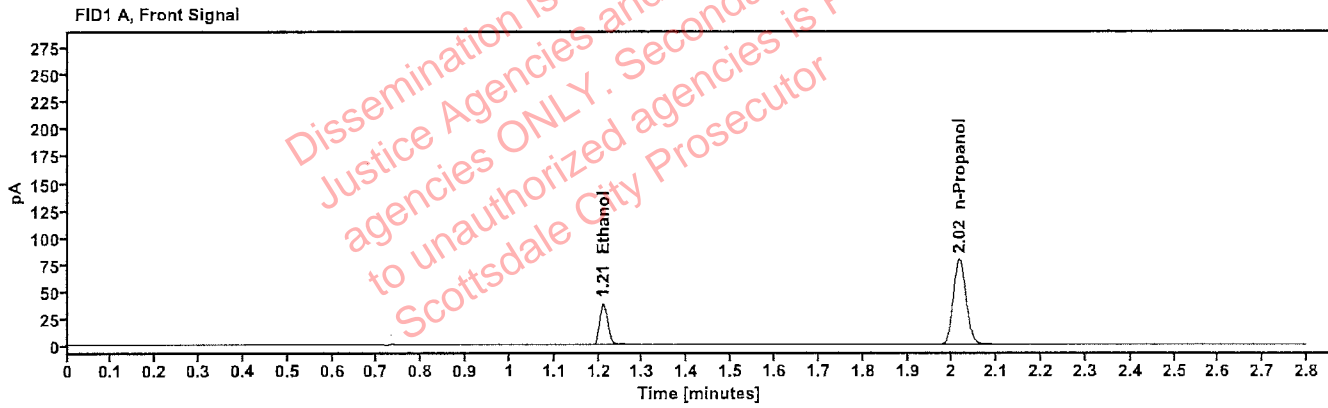


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.210	48.700
n-Propanol	---	2.016	156.944

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

Compound	Time (min)	Peak Area
Ethanol	1.356	53.501
n-Propanol	2.435	171.889

# 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> 26Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/26/2023 5:34:34 PM
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*MA*

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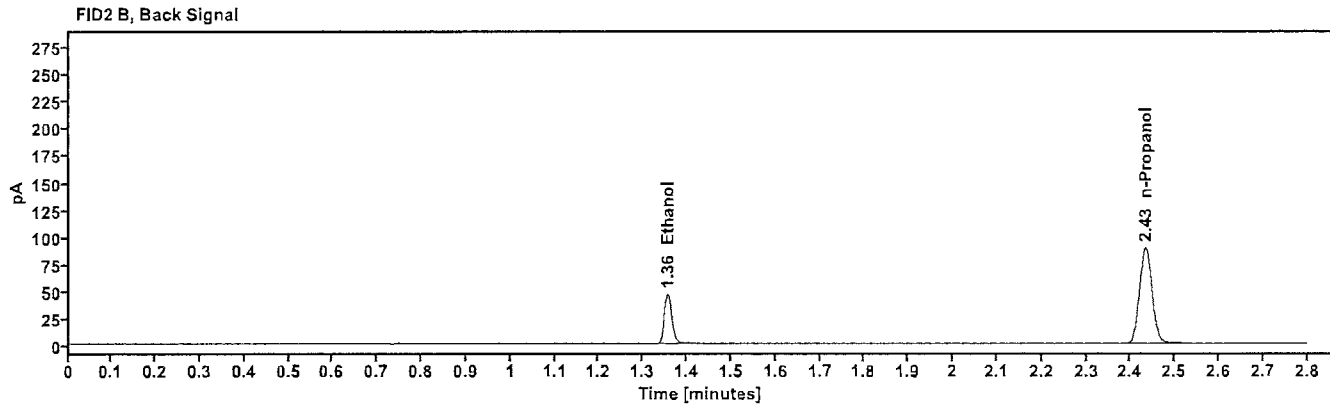
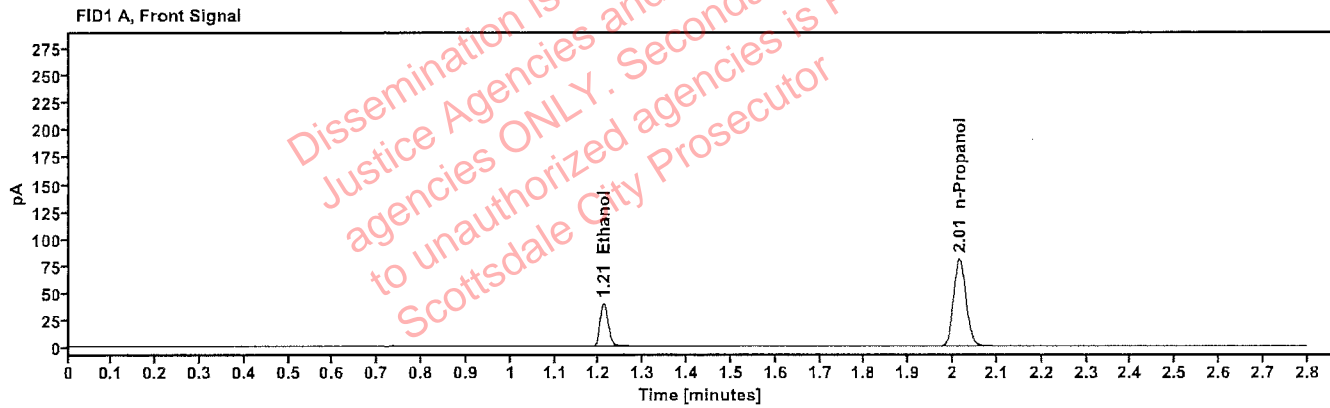


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0818	1.210	50.451
n-Propanol	----	2.015	161.018

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

Compound	Time (min)	Peak Area
Ethanol	1.356	55.072
n-Propanol	2.434	175.223

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 26Sep23
Instrument: US14173023 CN14160045	Injection date: 9/26/2023 6:18:50 PM
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*JA*

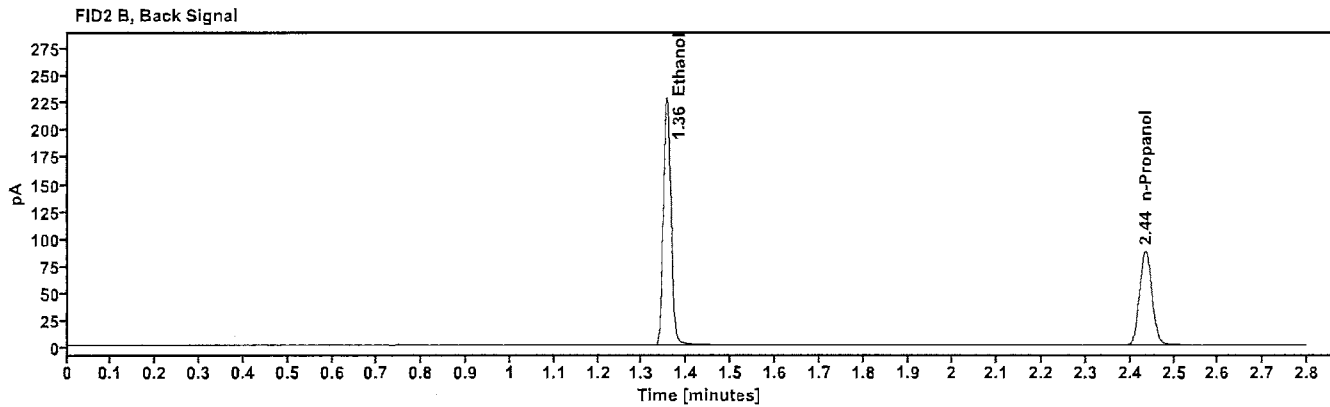
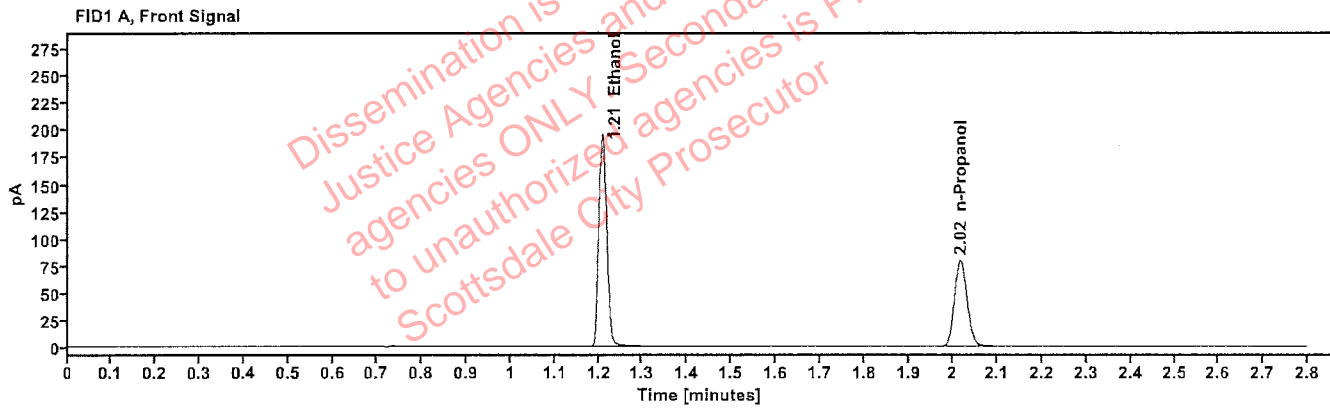


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4035	1.209	247.671
n-Propanol	-----	2.016	157.733

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

Compound	Time (min)	Peak Area
Ethanol	1.355	273.371
n-Propanol	2.435	172.813

# 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> 26Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/26/2023 6:23:05 PM
<b>Data file:</b> C:\Chem32\1\Data\26Sep23\43.D	<b>Analyst:</b> Abbott

*Handwritten signature/initials*

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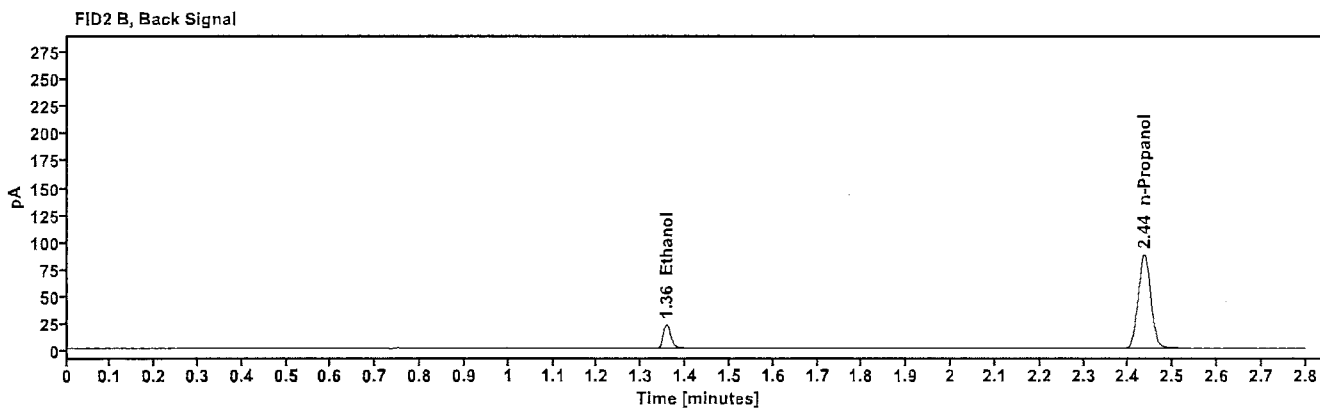
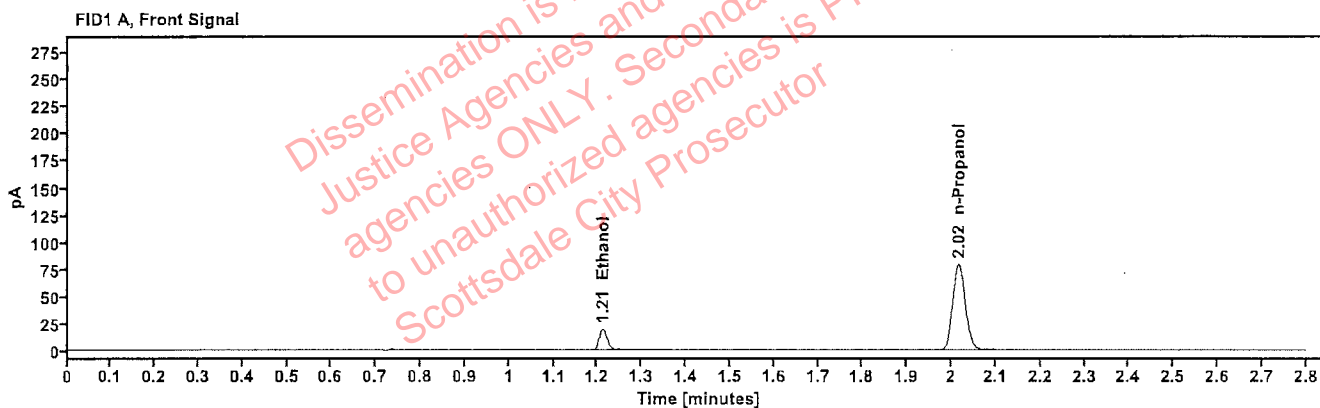


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0415	1.211	24.554
n-Propanol	-----	2.016	157.501

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.905
n-Propanol	2.435	172.282

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/11	<b>Vial:</b> 44
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 26Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/26/2023 6:27:05 PM
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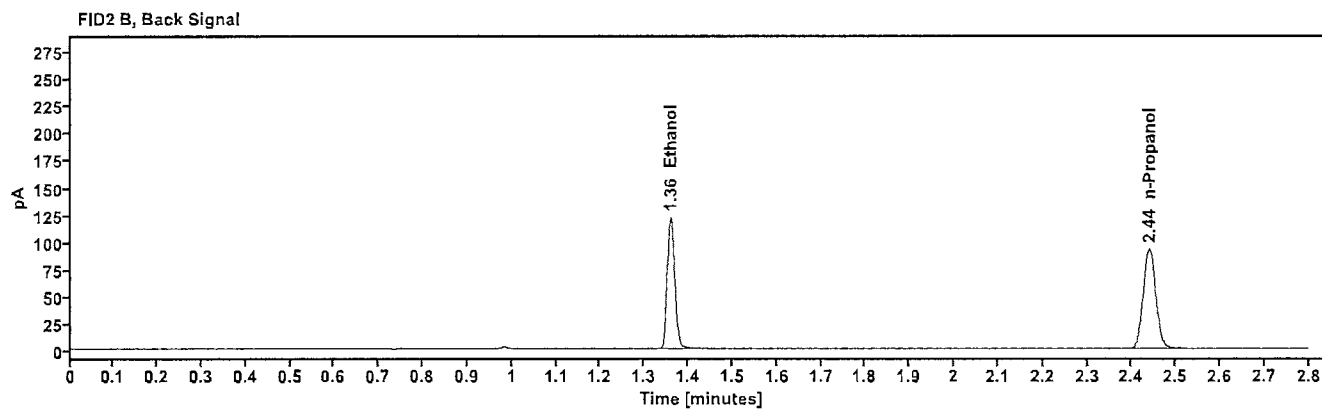
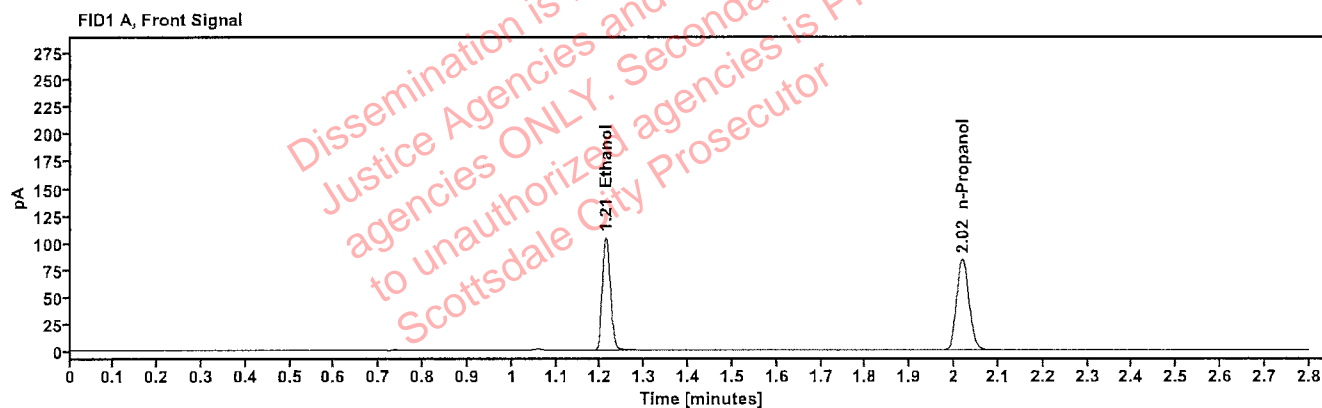


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2050	1.212	132.757
n-Propanol	-----	2.019	166.998

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

Compound	Time (min)	Peak Area
Ethanol	1.360	145.954
n-Propanol	2.439	182.821



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 060223AQ	<b>Vial:</b> 45
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 26Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/26/2023 6:31:05 PM
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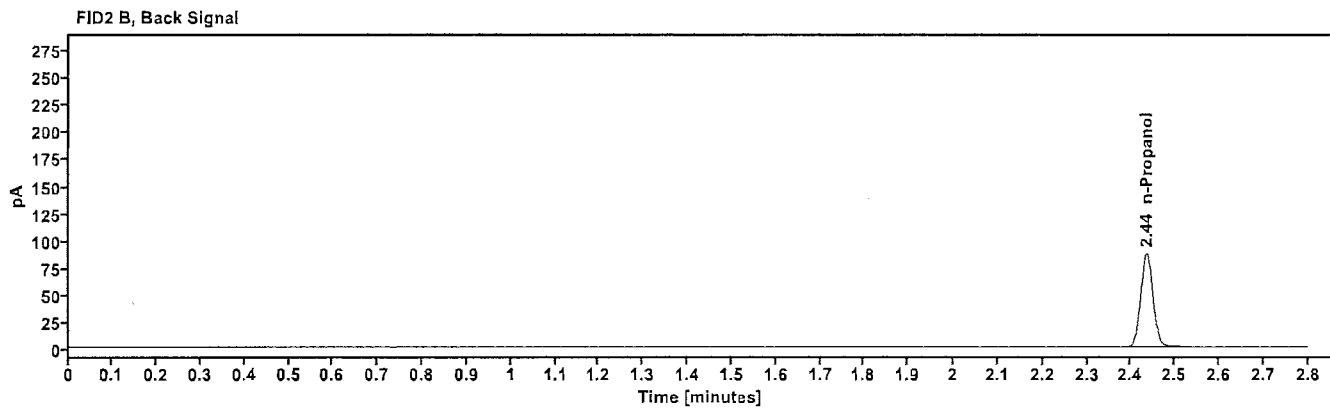
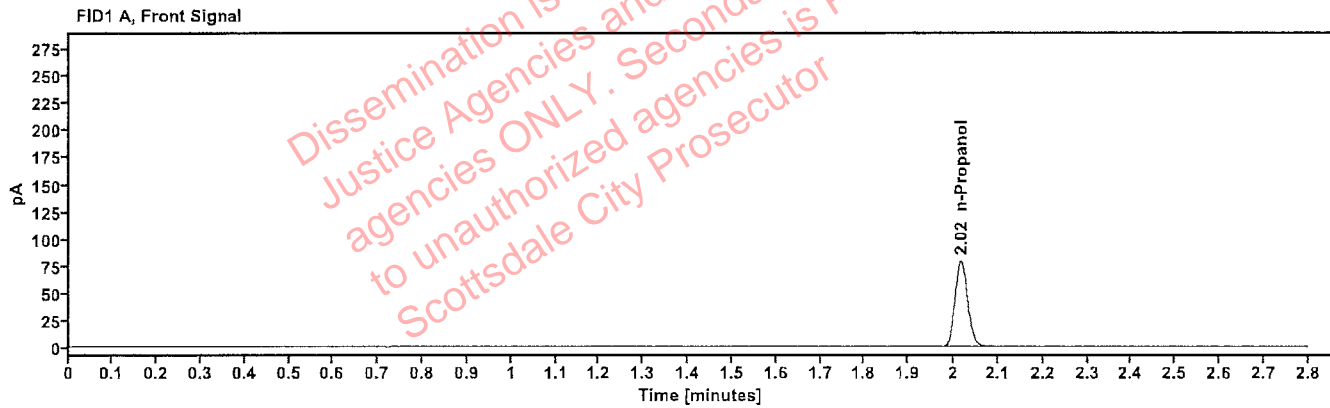


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	157.037

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	171.907

# Sequence Summary

Sequence name: 26Sep23      Instrument: US14173023 CN14160045      Analyst: Abbott *ph*

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN11172002	0.100 calibrator	Calibration		ethanol quant.M
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	2318933-1		Sample		ethanol quant.M
11	2318933-1		Sample		ethanol quant.M
12	2318939-1		Sample		ethanol quant.M
13	2318939-1		Sample		ethanol quant.M
14	2319144-1		Sample		ethanol quant.M
15	2319144-1		Sample		ethanol quant.M
16	2318734-1		Sample		ethanol quant.M
17	2318734-1		Sample		ethanol quant.M
18	2318882-1		Sample		ethanol quant.M
19	2318882-1		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2319222-2		Sample		ethanol quant.M
22	2319222-2		Sample		ethanol quant.M
23	2319291-3		Sample		ethanol quant.M
24	2319291-3		Sample		ethanol quant.M
25	2319305-2		Sample		ethanol quant.M
26	2319305-2		Sample		ethanol quant.M
27	2319280-1		Sample		ethanol quant.M
28	2319280-1		Sample		ethanol quant.M
29	2319238-10		Sample		ethanol quant.M
30	2319238-10		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2306774-2		Sample		ethanol quant.M
33	2306774-2		Sample		ethanol quant.M
34	2319501-2		Sample		ethanol quant.M
35	2319501-2		Sample		ethanol quant.M
36	2319443-1		Sample		ethanol quant.M
37	2319443-1		Sample		ethanol quant.M
38	2318722-2		Sample		ethanol quant.M
39	2318722-2		Sample		ethanol quant.M
40	2317988-2		Sample		ethanol quant.M
41	2317988-2		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/11	0.199	Control		ethanol quant.M
45	060223AQ	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 26Sep23

ANALYST: Abbott

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2114	0.2074	0.20940	0.96	0.00200
12 13	0.1543	0.1573	0.15580	0.96	0.00150
14 15	0.2653	0.2646	0.26495	0.13	0.00035
16 17	0.2546	0.2537	0.25415	0.18	0.00045
18 19	0.2061	0.2100	0.20805	0.94	0.00195
21 22	0.2477	0.2474	0.24755	0.06	0.00015
23 24	0.1351	0.1333	0.13420	0.67	0.00090
25 26	0.1837	0.1817	0.18270	0.55	0.00100
27 28	0.2088	0.2089	0.20885	0.02	0.00005
29 30	0.1036	0.1034	0.10350	0.10	0.00010
32 33	0.2120	0.2122	0.21210	0.05	0.00010
34 35	0.1757	0.1774	0.17655	0.48	0.00085
36 37	0.1824	0.1814	0.18190	0.27	0.00050
38 39	0.2635	0.2634	0.26345	0.02	0.00005
40 41	0.3037	0.3183	0.31100	2.35	0.00730

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318933-1	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:09:35 PM
Data file:	C:\Chem32\1\Data\26Sep23\10.D	Analyst:	Abbott

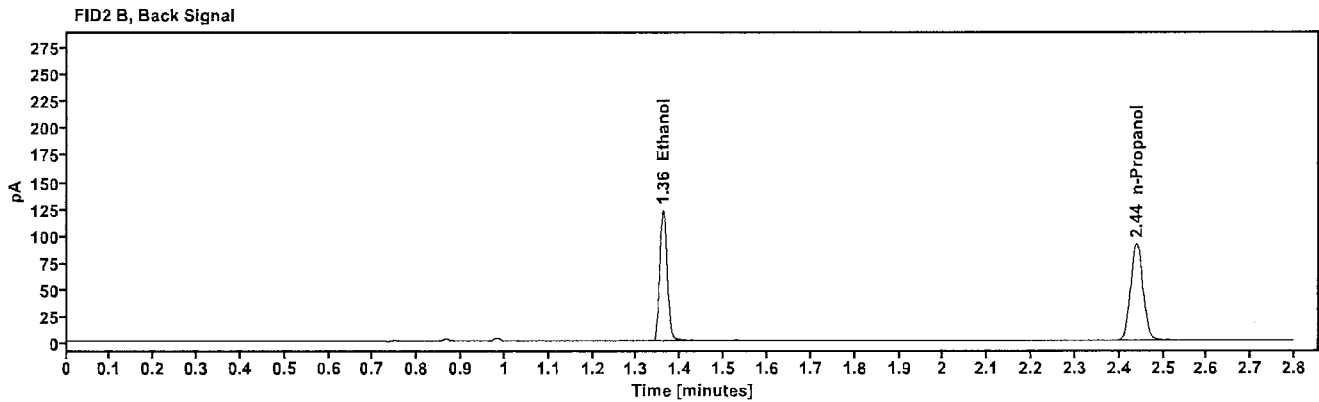
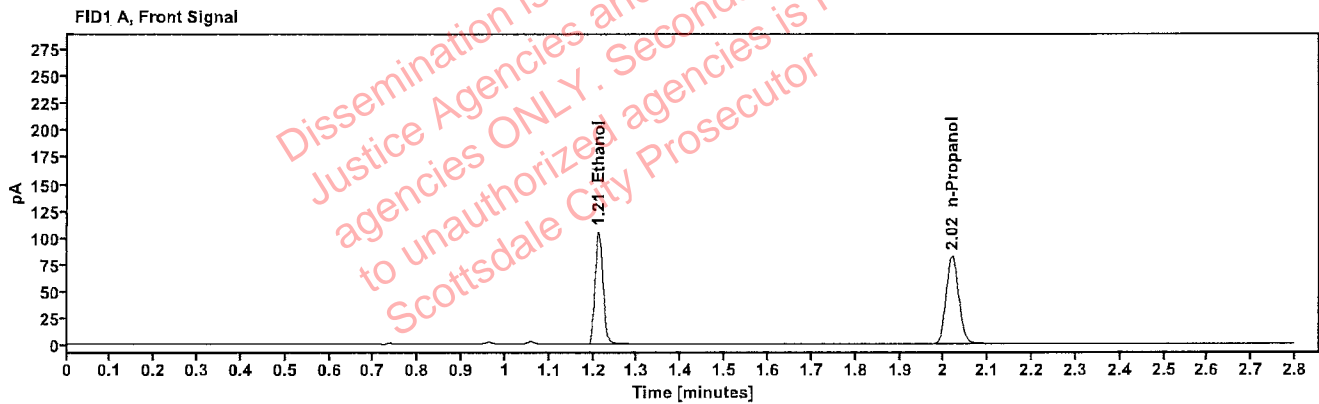


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2114	1.212	133.953
n-Propanol	----	2.019	163.380

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

Compound	Time (min)	Peak Area
Ethanol	1.360	147.562
n-Propanol	2.439	178.884

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318933-1	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:13:35 PM
Data file:	C:\Chem32\1\Data\26Sep23\11.D	Analyst:	Abbott

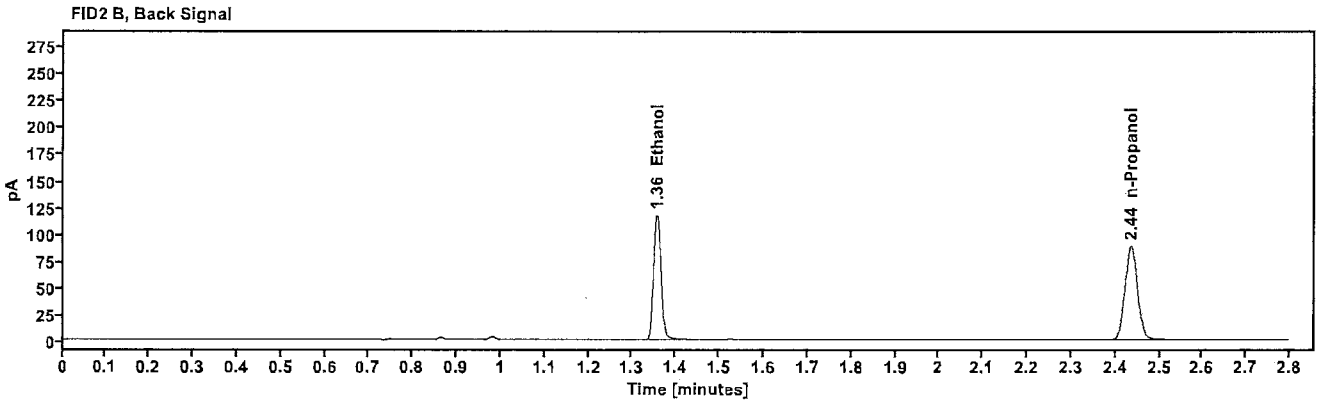
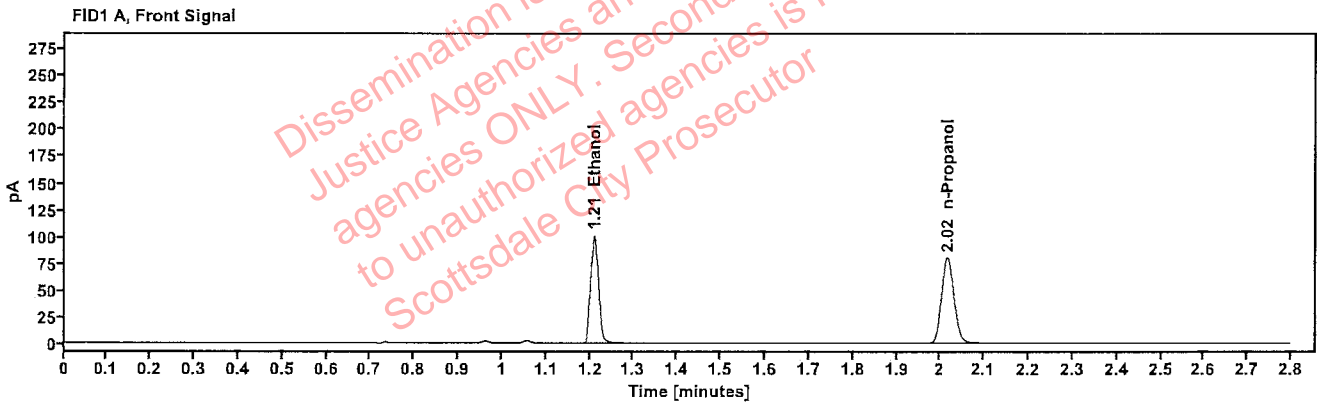


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2074	1.210	127.551
n-Propanol	-----	2.016	158.598

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

Compound	Time (min)	Peak Area
Ethanol	1.356	140.265
n-Propanol	2.435	173.649

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318939-1	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:17:35 PM
Data file:	C:\Chem32\1\Data\26Sep23\12.D	Analyst:	Abbott

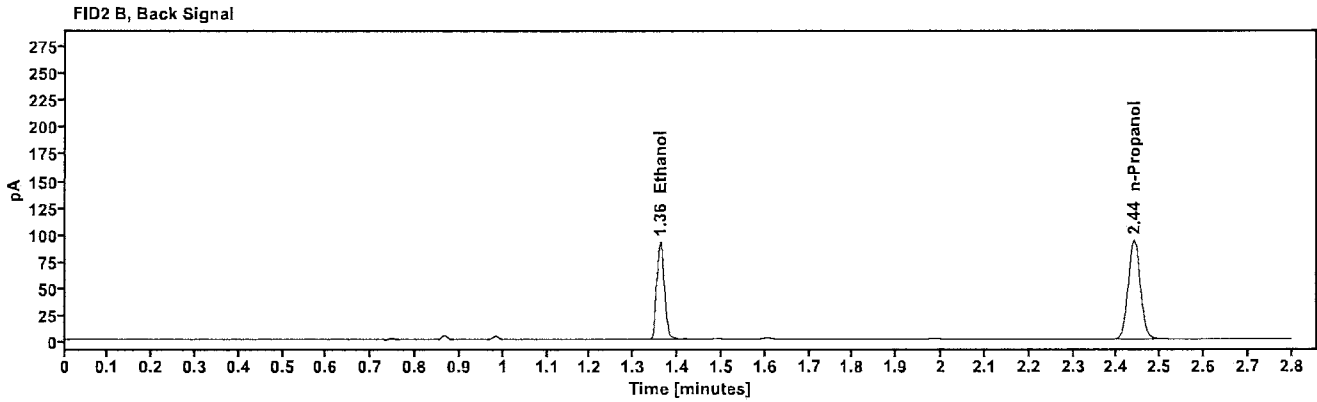
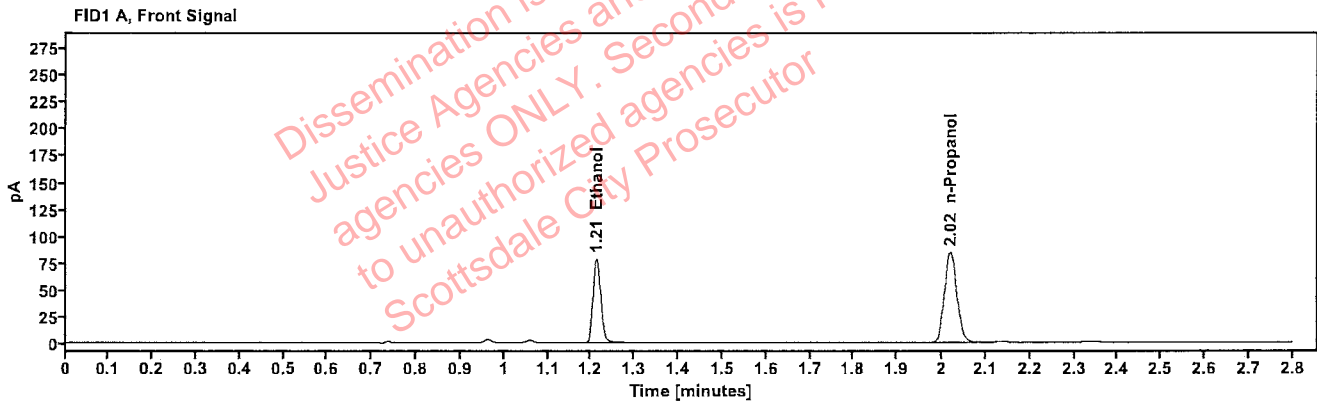


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1543	1.212	100.379
n-Propanol	-----	2.019	168.174

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

Compound	Time (min)	Peak Area
Ethanol	1.360	110.606
n-Propanol	2.439	183.660

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318939-1	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:21:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\13.D	Analyst:	Abbott

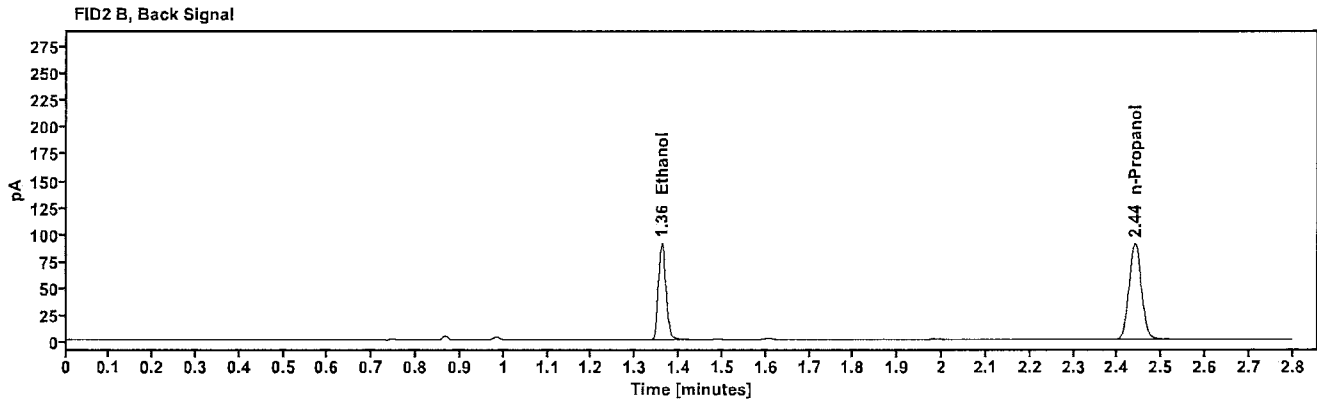
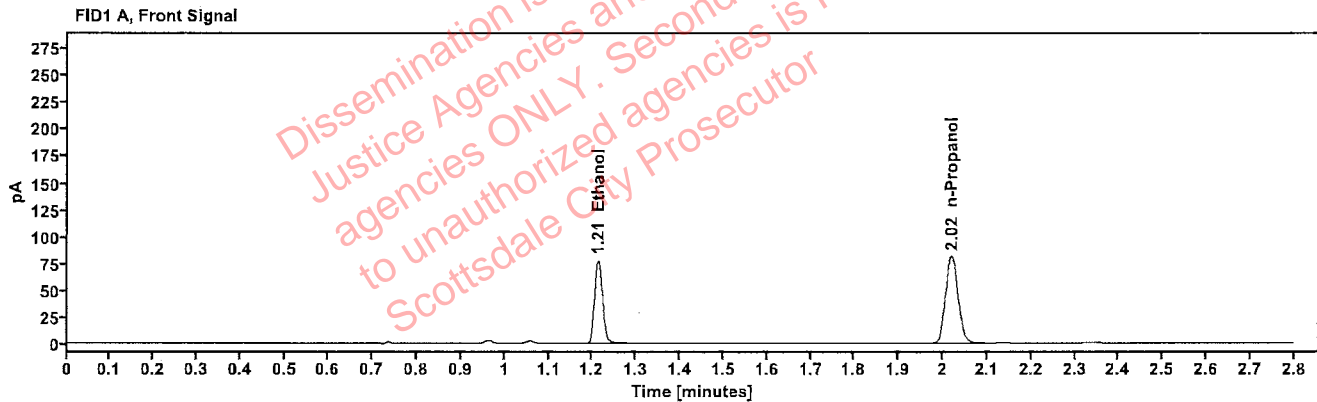


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1573	1.212	98.999
n-Propanol	-----	2.019	162.731

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

Compound	Time (min)	Peak Area
Ethanol	1.360	108.985
n-Propanol	2.439	177.568



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319144-1	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:25:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\14.D	Analyst:	Abbott

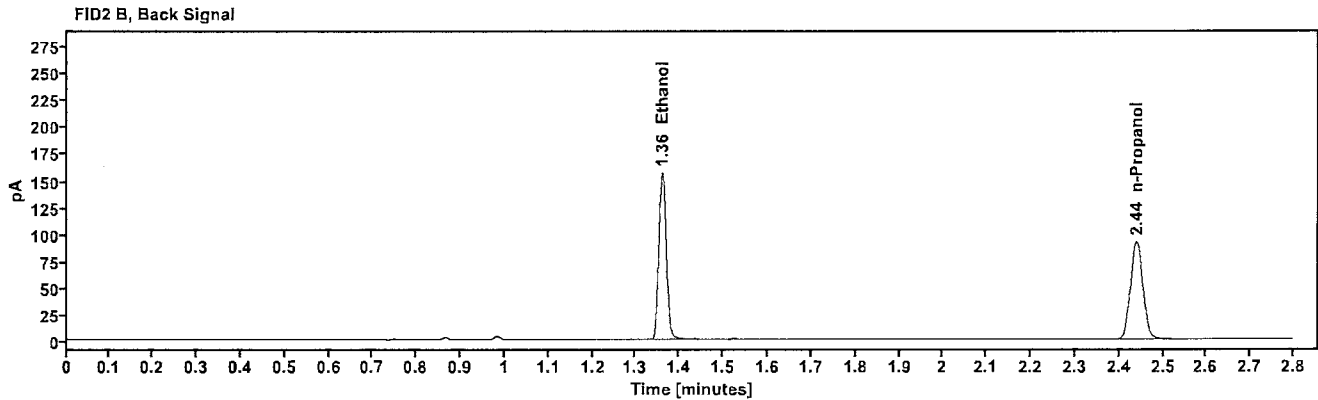
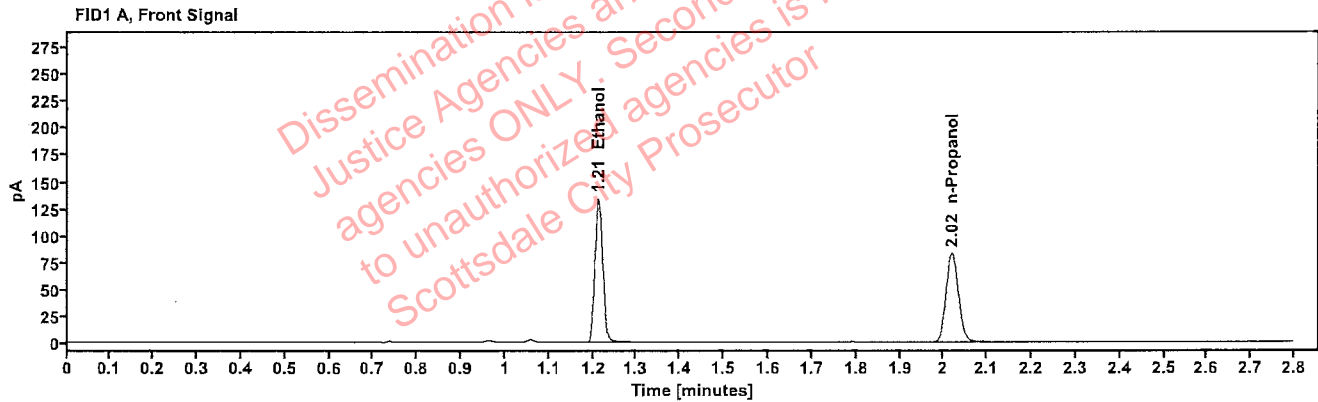


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2653	1.212	170.720
n-Propanol	-----	2.019	165.678

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

Compound	Time (min)	Peak Area
Ethanol	1.360	188.155
n-Propanol	2.439	181.334

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319144-1	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:29:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\15.D	Analyst:	Abbott

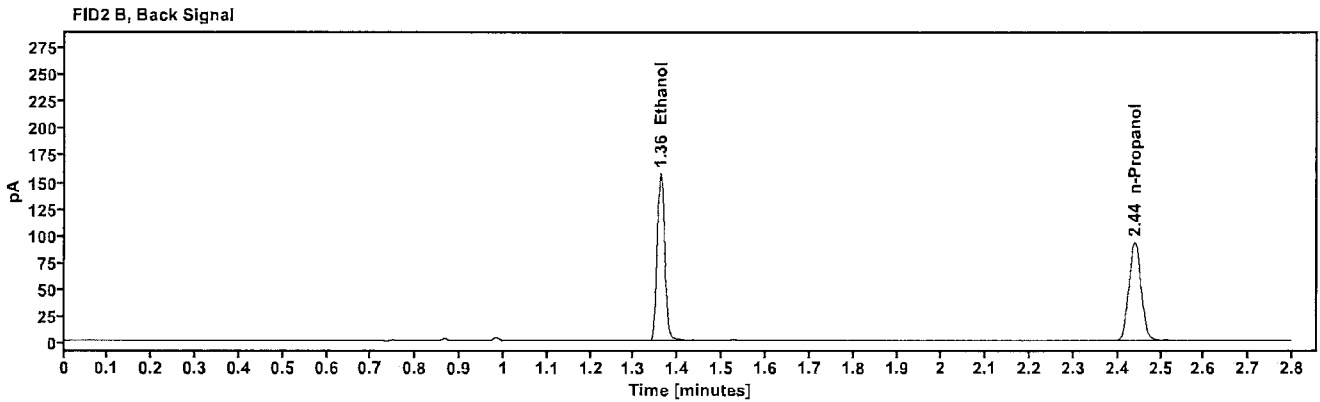
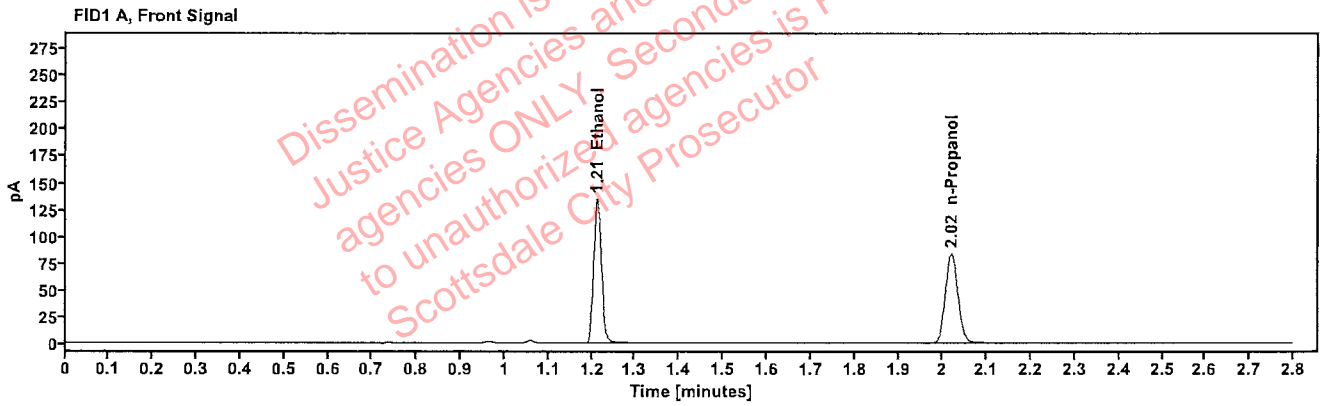


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2646	1.212	171.100
n-Propanol	-----	2.019	166.482

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

Compound	Time (min)	Peak Area
Ethanol	1.360	188.427
n-Propanol	2.439	182.188

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318734-1	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:33:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\16.D	Analyst:	Abbott

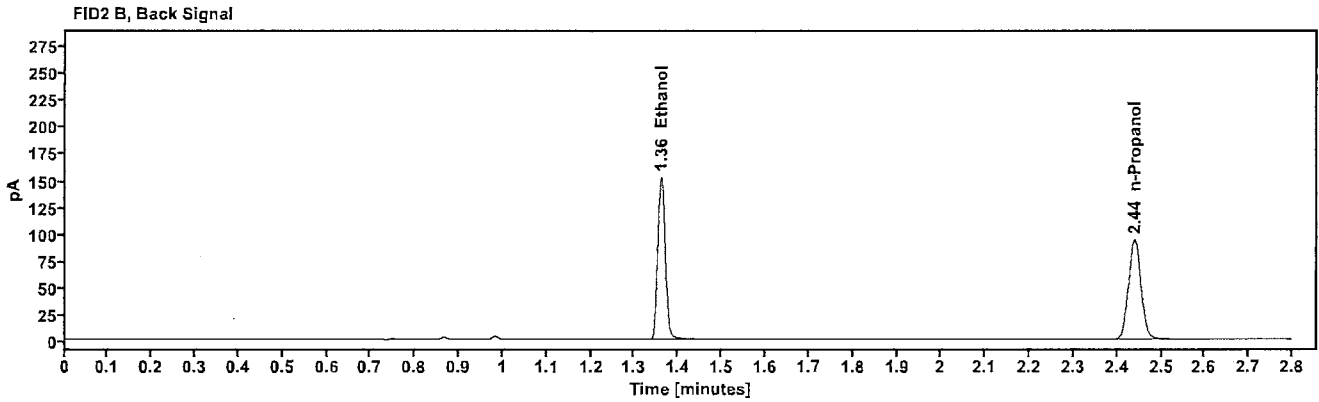
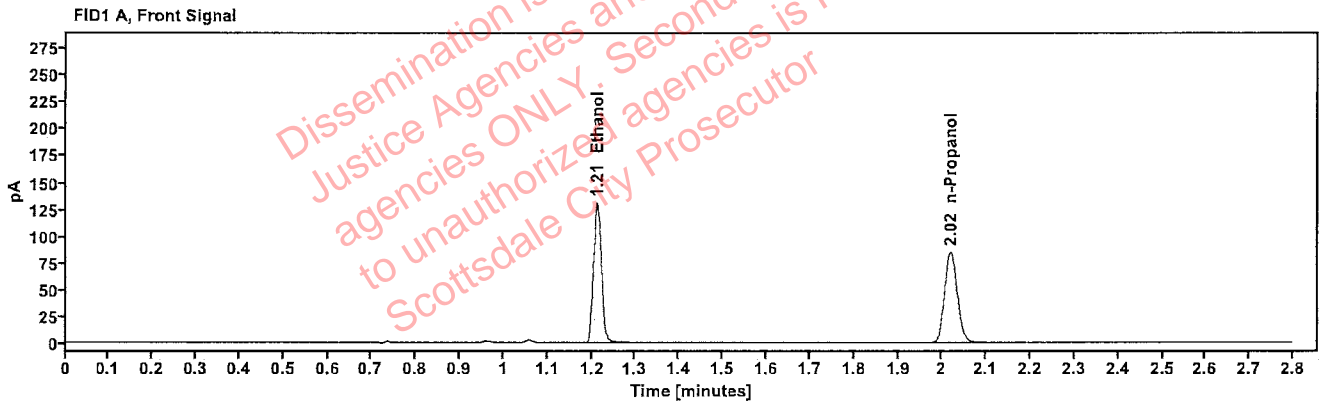


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2546	1.212	166.438
n-Propanol	-----	2.019	168.341

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

Compound	Time (min)	Peak Area
Ethanol	1.360	183.034
n-Propanol	2.439	184.157

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318734-1	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:37:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\17.D	Analyst:	Abbott

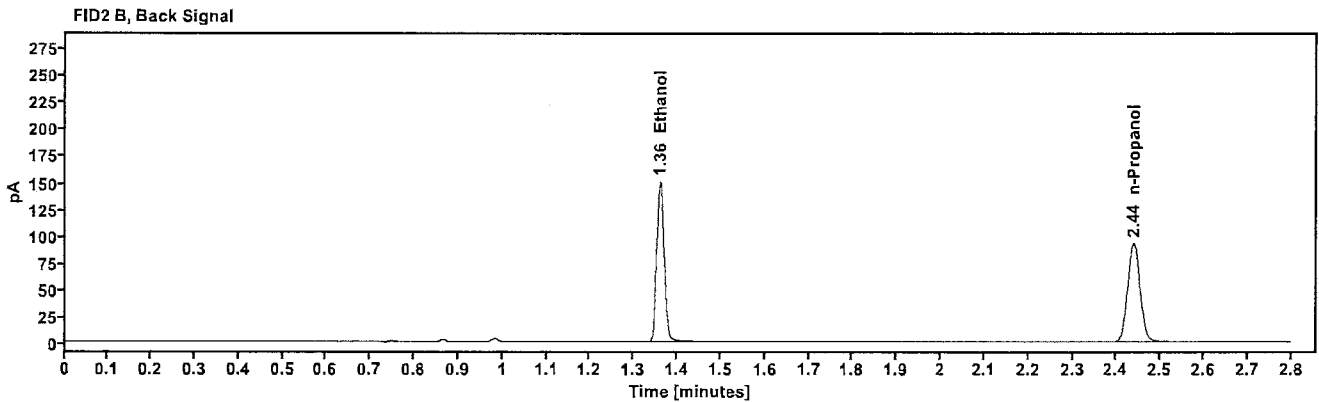
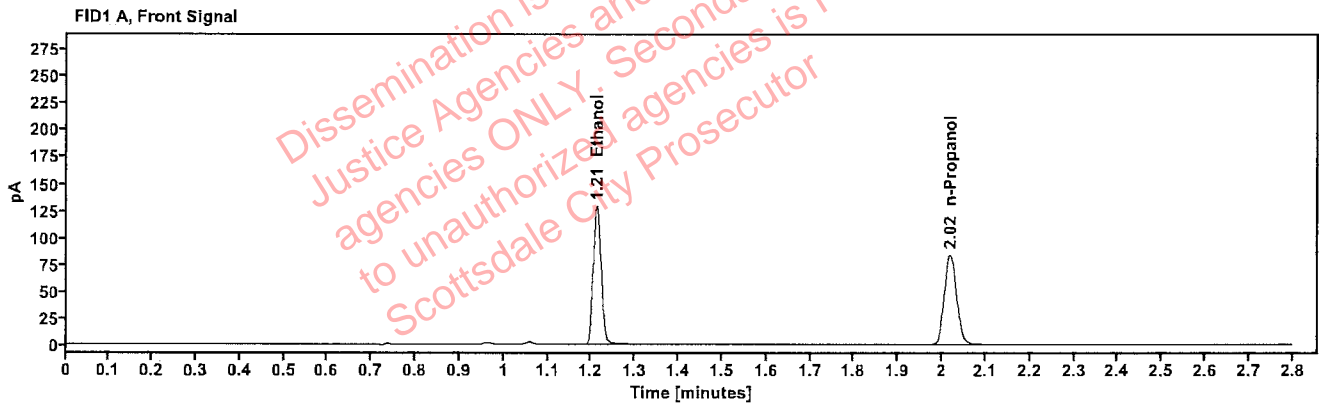


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2537	1.212	163.900
n-Propanol	-----	2.019	166.382

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

Compound	Time (min)	Peak Area
Ethanol	1.360	180.557
n-Propanol	2.439	182.099

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318882-1	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:41:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\18.D	Analyst:	Abbott

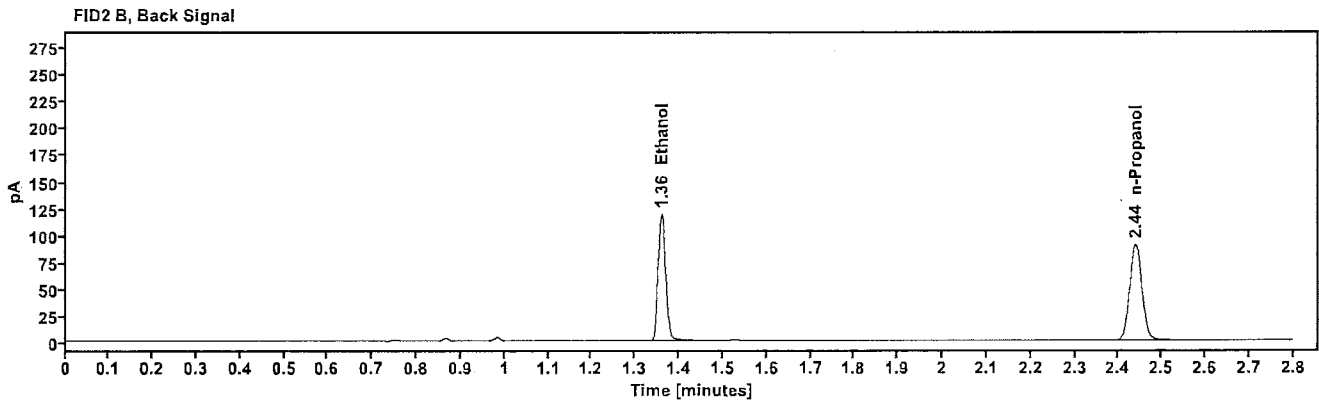
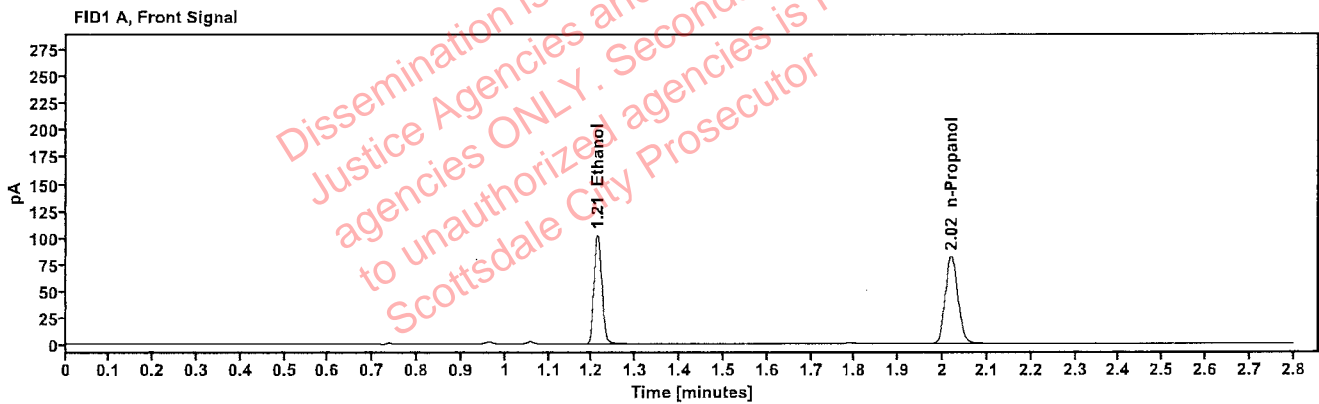


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2061	1.212	129.992
n-Propanol	---	2.019	162.680

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

Compound	Time (min)	Peak Area
Ethanol	1.360	142.948
n-Propanol	2.439	177.983

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318882-1	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:46:05 PM
Data file:	C:\Chem32\1\Data\26Sep23\19.D	Analyst:	Abbott

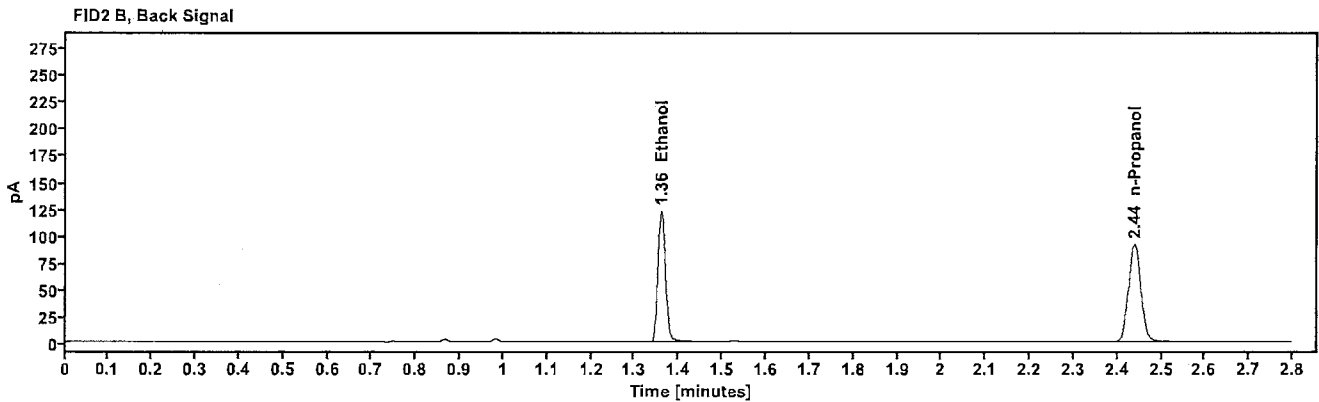
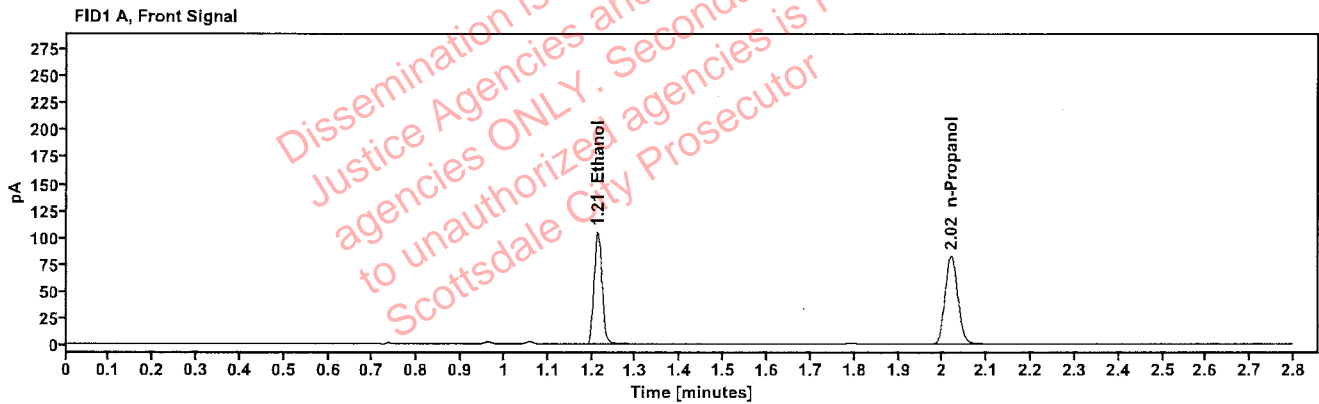


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2100	1.212	133.669
n-Propanol	-----	2.019	164.141

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

Compound	Time (min)	Peak Area
Ethanol	1.360	147.043
n-Propanol	2.439	179.516

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319222-2	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:54:05 PM
Data file:	C:\Chem32\1\Data\26Sep23\21.D	Analyst:	Abbott

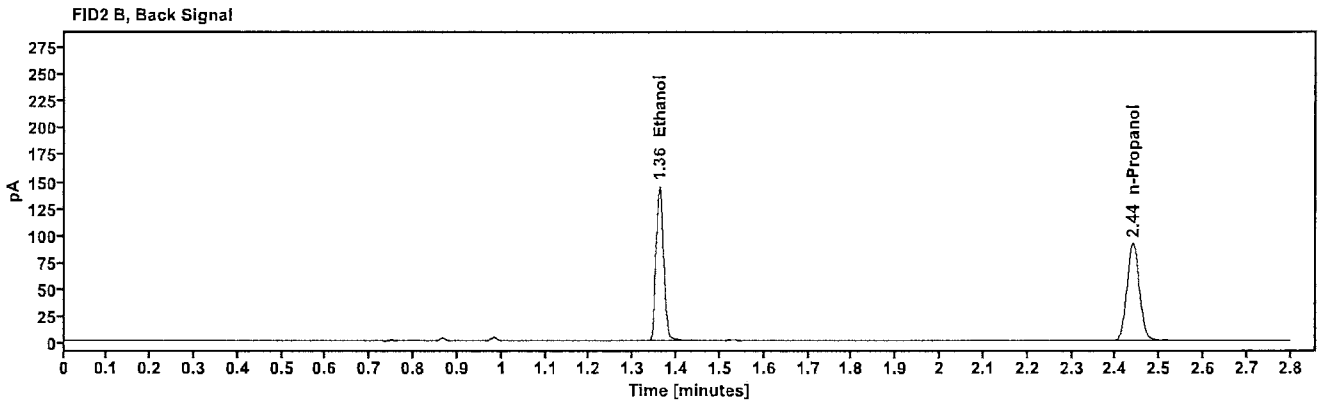
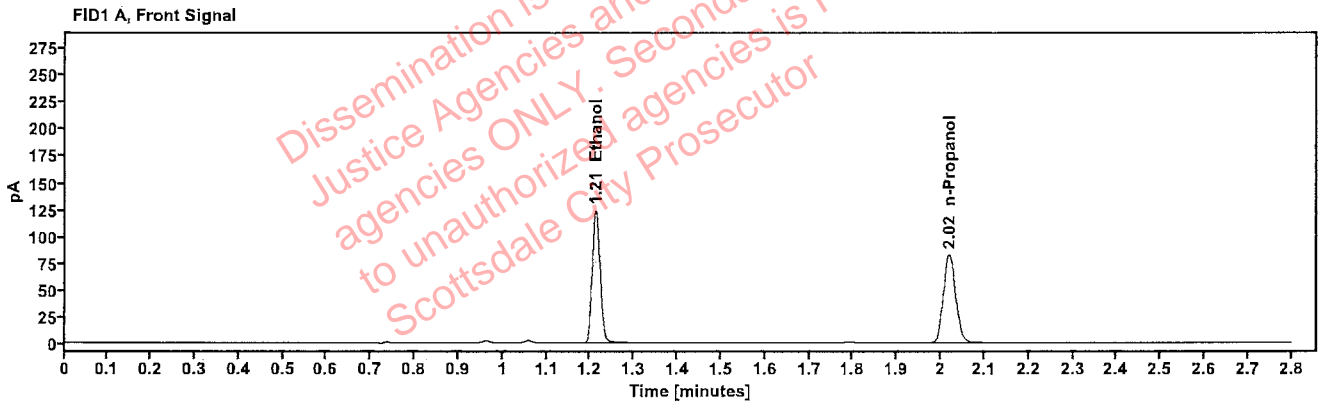


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2477	1.212	157.750
n-Propanol	---	2.019	164.082

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

Compound	Time (min)	Peak Area
Ethanol	1.360	173.791
n-Propanol	2.439	179.622

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319222-2	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 4:58:04 PM
Data file:	C:\Chem32\1\Data\26Sep23\22.D	Analyst:	Abbott

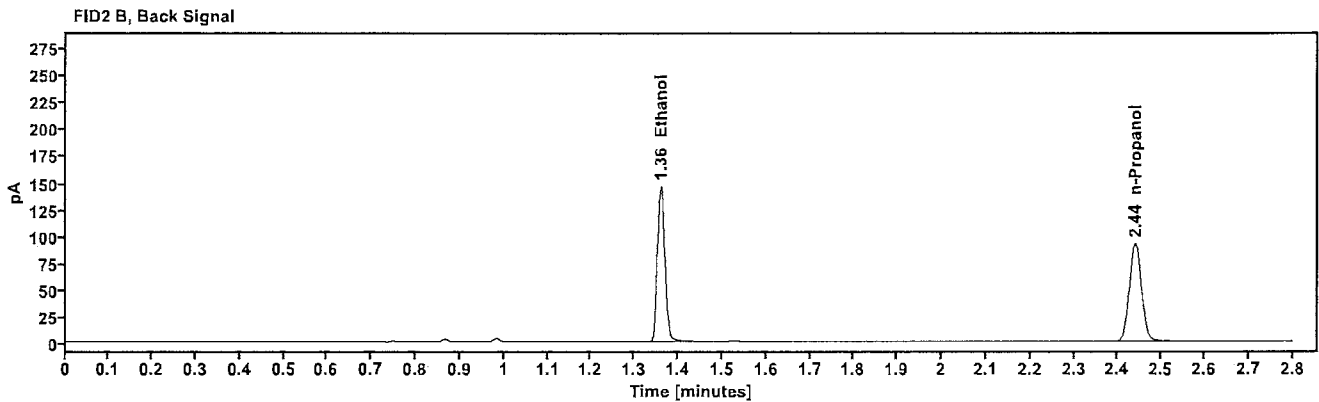
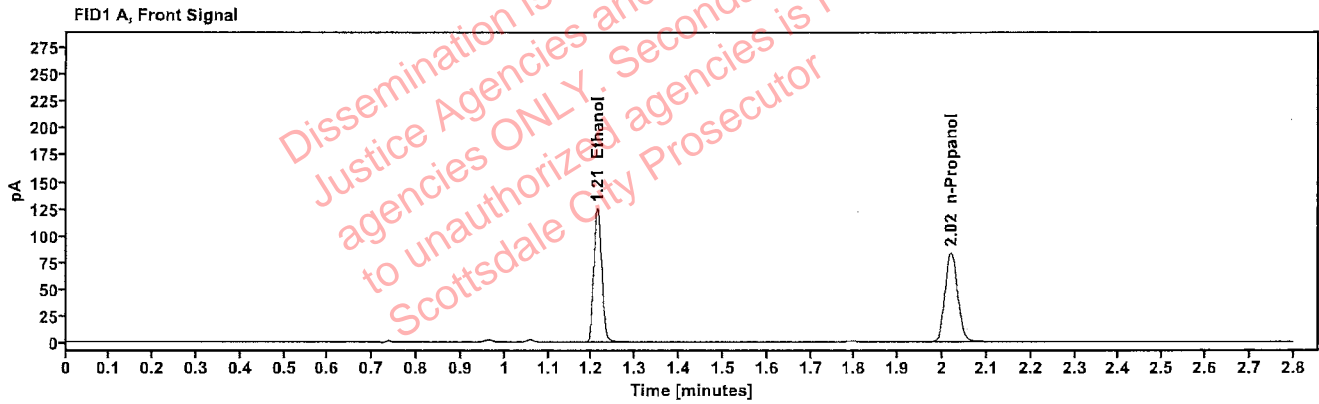


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2474	1.212	159.454
n-Propanol	-----	2.019	166.005

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

Compound	Time (min)	Peak Area
Ethanol	1.360	175.425
n-Propanol	2.439	181.665



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319291-3	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:02:05 PM
Data file:	C:\Chem32\1\Data\26Sep23\23.D	Analyst:	Abbott

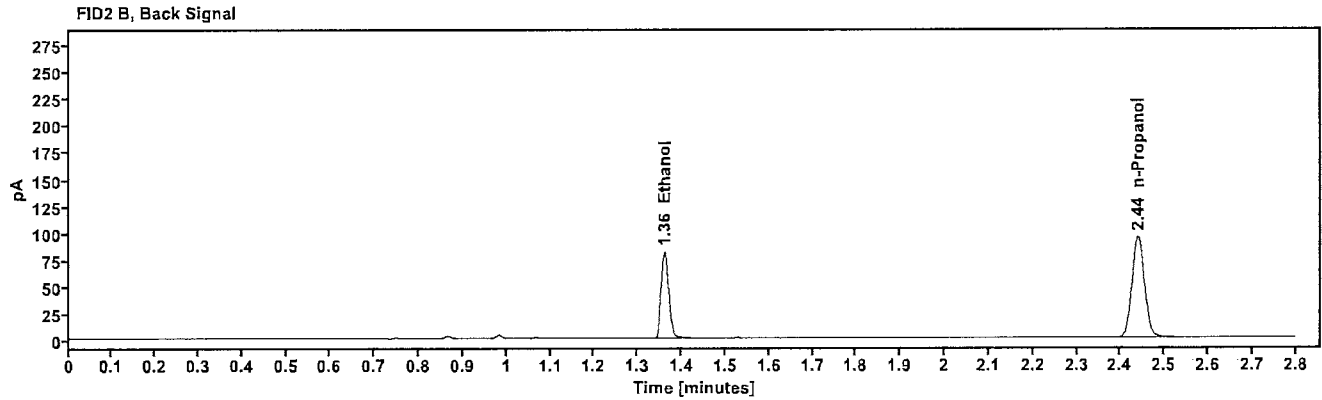
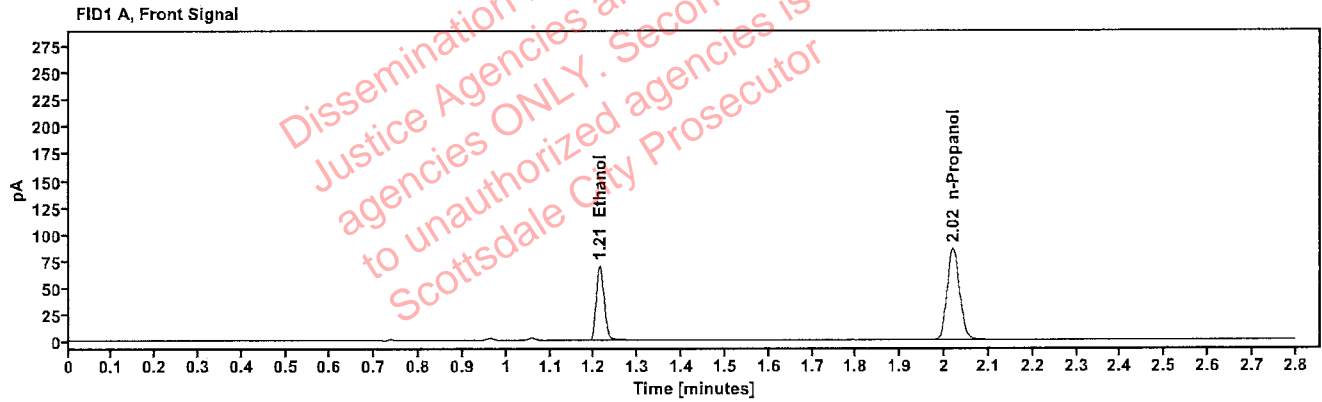


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1351	1.213	88.678
n-Propanol	---	2.019	169.970

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

Compound	Time (min)	Peak Area
Ethanol	1.361	97.484
n-Propanol	2.440	186.327

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319291-3	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:06:05 PM
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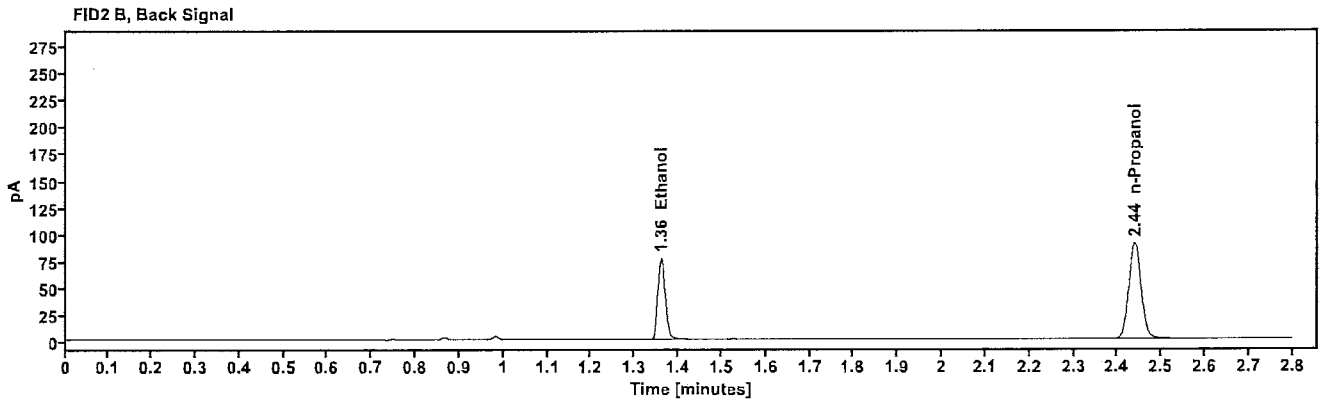
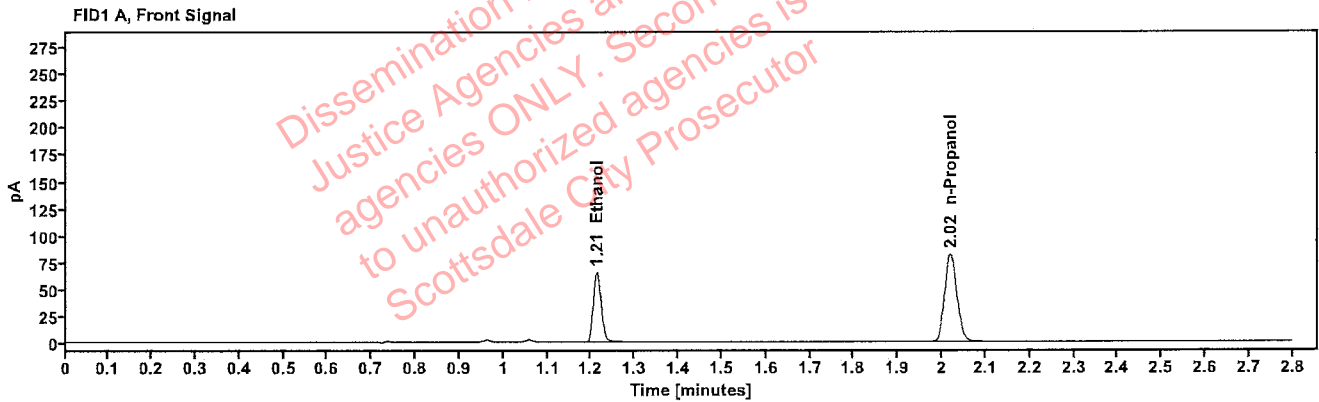


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1333	1.213	83.579
n-Propanol	---	2.019	162.368

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

Compound	Time (min)	Peak Area
Ethanol	1.360	91.852
n-Propanol	2.439	177.825

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319305-2	Vial:	25
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:10:19 PM
Data file:	C:\Chem32\1\Data\26Sep23\25.D	Analyst:	Abbott

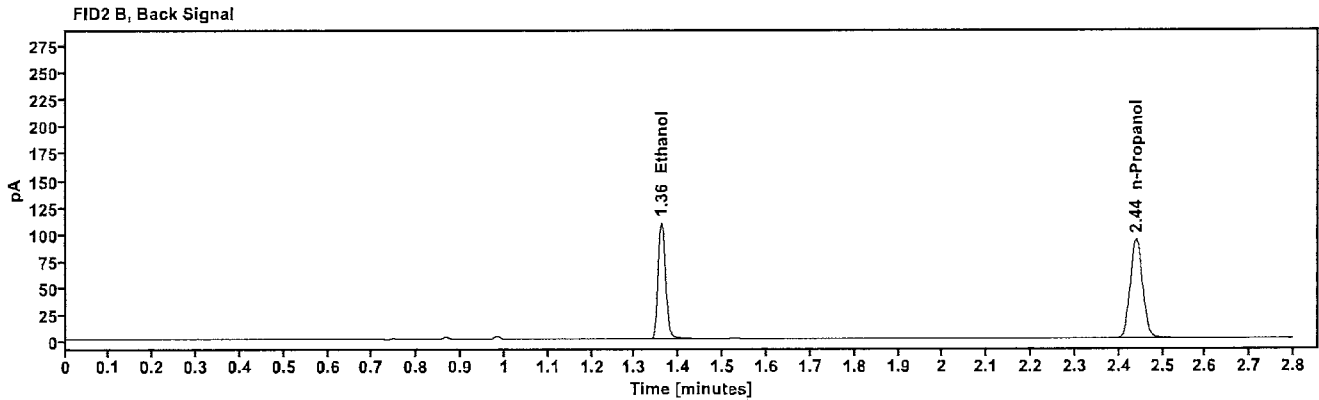
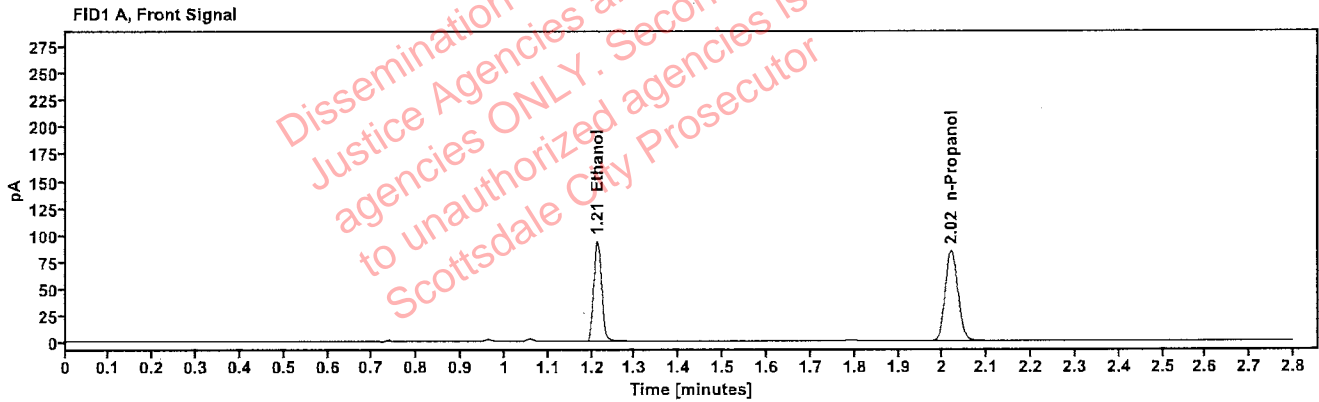


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1837	1.212	119.650
n-Propanol	-----	2.019	168.160

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

Compound	Time (min)	Peak Area
Ethanol	1.360	131.356
n-Propanol	2.439	183.891

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319305-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:14:20 PM
Data file:	C:\Chem32\1\Data\26Sep23\26.D	Analyst:	Abbott

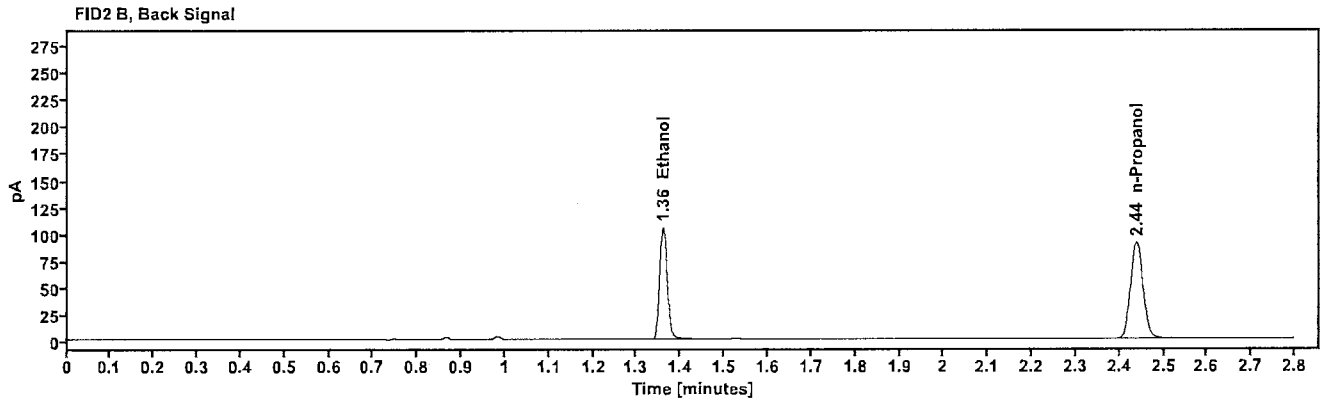
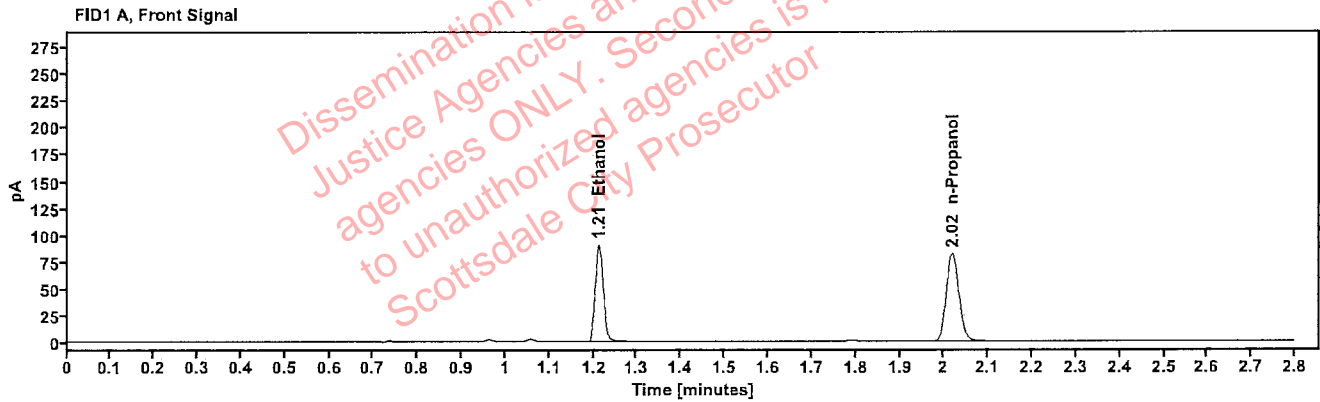


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1817	1.212	114.955
n-Propanol	-----	2.019	163.328

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

Compound	Time (min)	Peak Area
Ethanol	1.360	126.310
n-Propanol	2.439	178.708

[REDACTED]: Abbott, Lori - (27-Sep-2023)

Case: [REDACTED] User: LAbbott 9/27/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319280-1	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:18:20 PM
Data file:	C:\Chem32\1\Data\26Sep23\27.D	Analyst:	Abbott

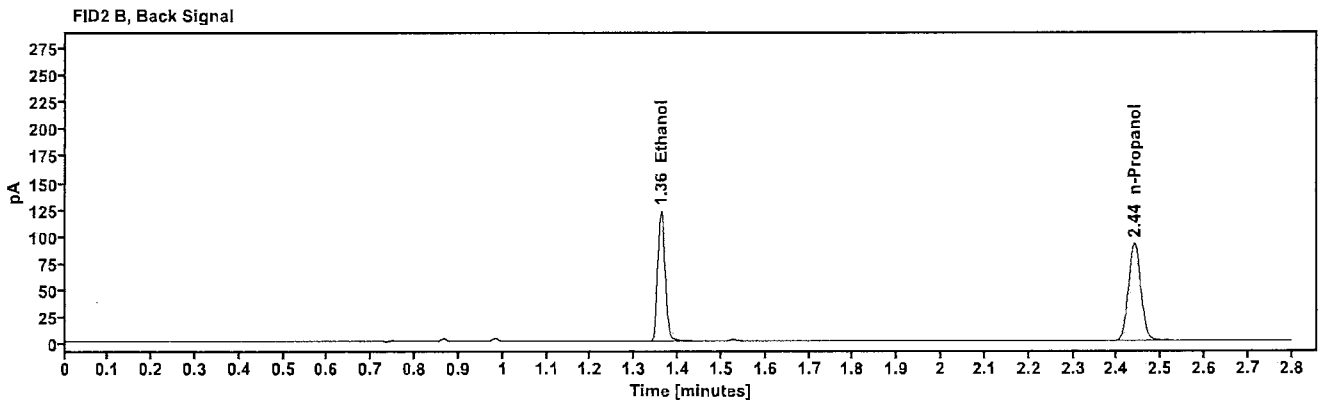
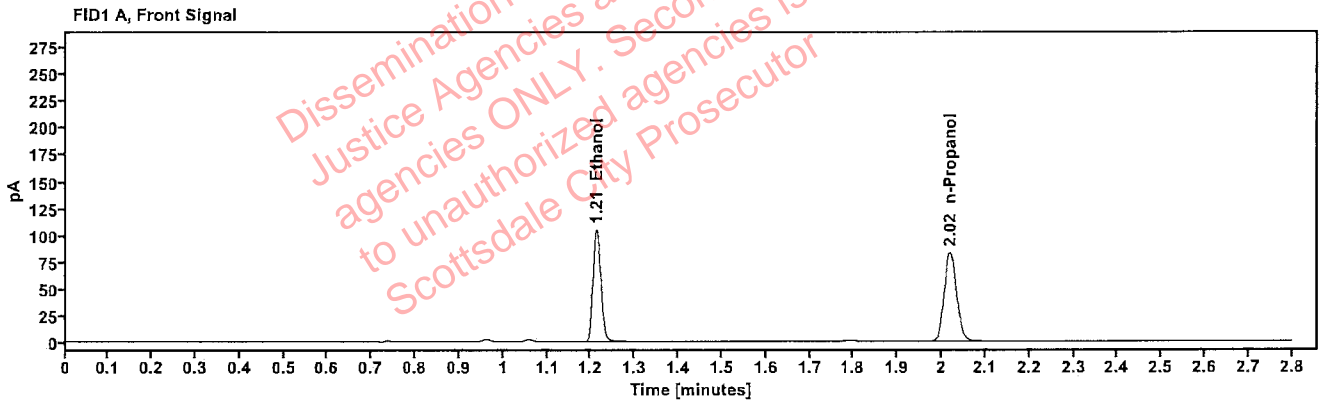


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2088	1.212	133.467
n-Propanol	---	2.019	164.880

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

Compound	Time (min)	Peak Area
Ethanol	1.360	146.805
n-Propanol	2.439	180.530

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319280-1	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:22:20 PM
Data file:	C:\Chem32\1\Data\26Sep23\28.D	Analyst:	Abbott

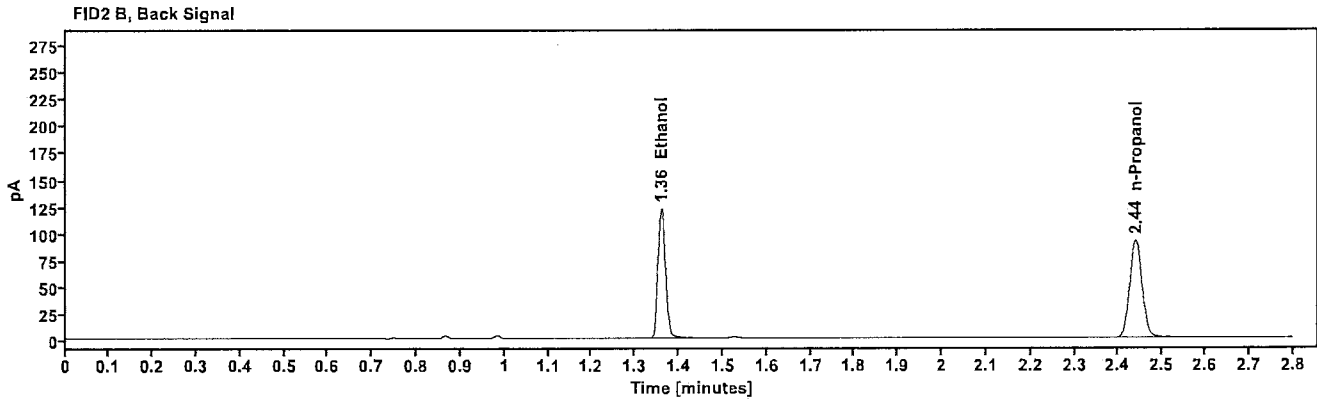
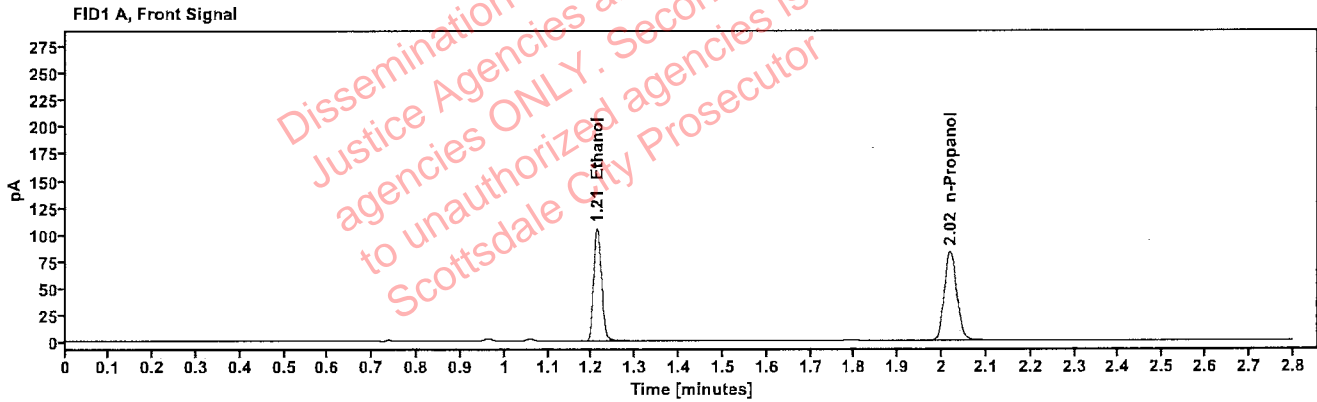


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2089	1.212	133.744
n-Propanol	----	2.019	165.076

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

Compound	Time (min)	Peak Area
Ethanol	1.360	147.271
n-Propanol	2.439	180.803

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319238-10	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:26:19 PM
Data file:	C:\Chem32\1\Data\26Sep23\29.D	Analyst:	Abbott

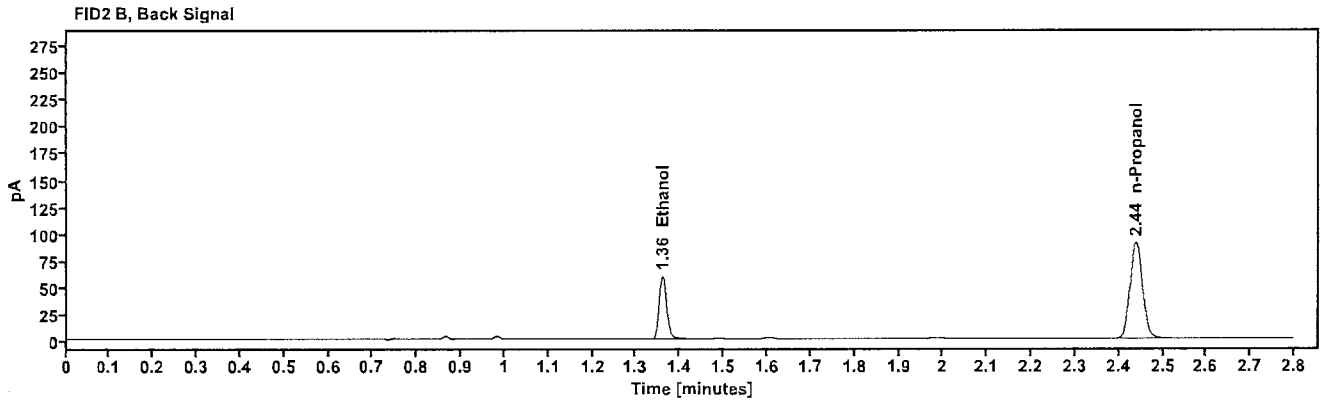
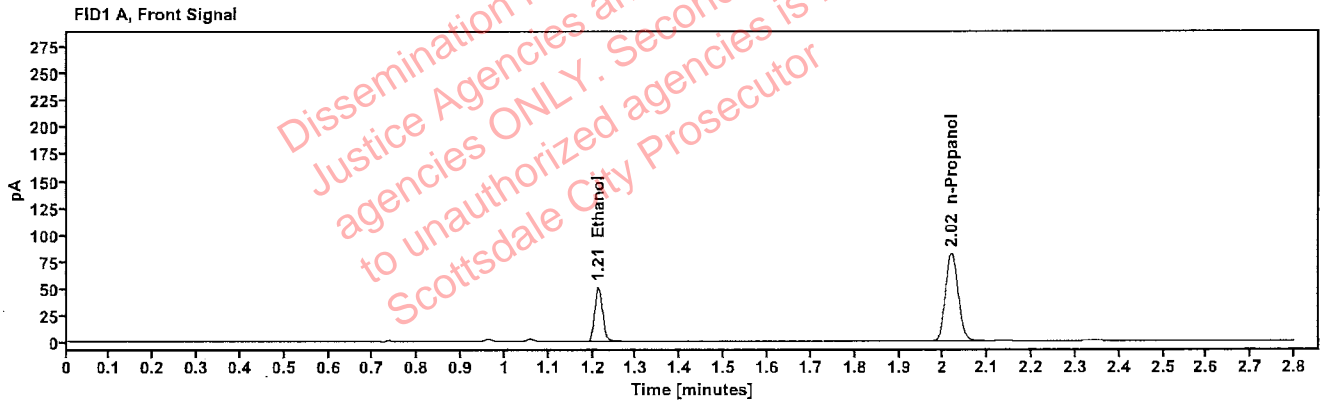


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1036	1.213	65.141
n-Propanol	----	2.019	163.460

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

Compound	Time (min)	Peak Area
Ethanol	1.360	71.675
n-Propanol	2.439	178.575

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319238-10	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:30:20 PM
Data file:	C:\Chem32\1\Data\26Sep23\30.D	Analyst:	Abbott

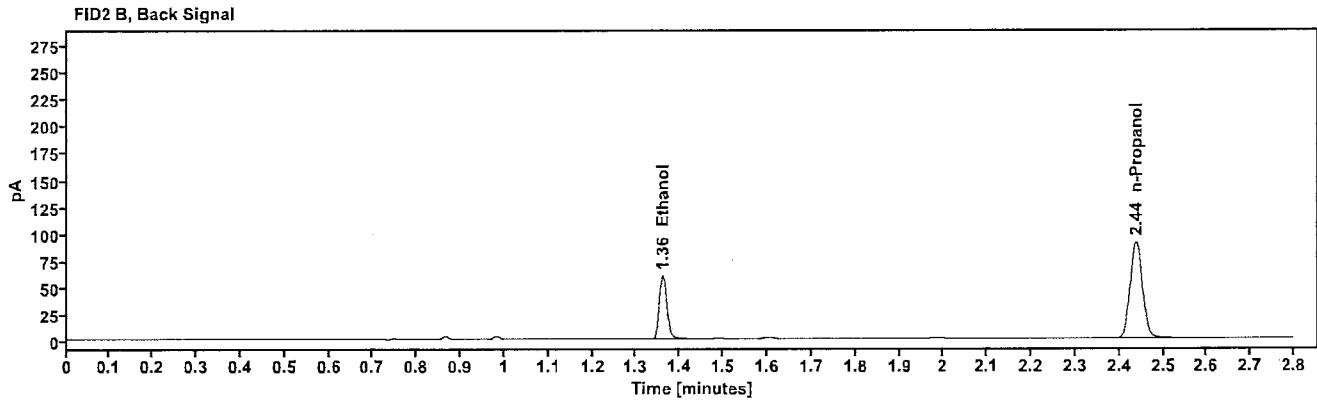
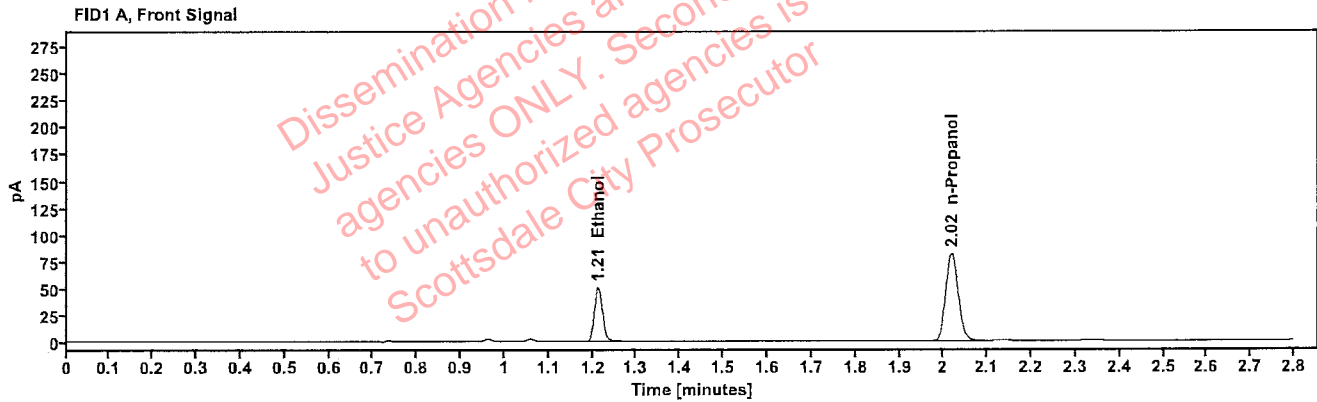


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1034	1.212	65.131
n-Propanol	-----	2.018	163.672

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

Compound	Time (min)	Peak Area
Ethanol	1.360	71.807
n-Propanol	2.438	178.656



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306774-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:38:34 PM
Data file:	C:\Chem32\1\Data\26Sep23\32.D	Analyst:	Abbott

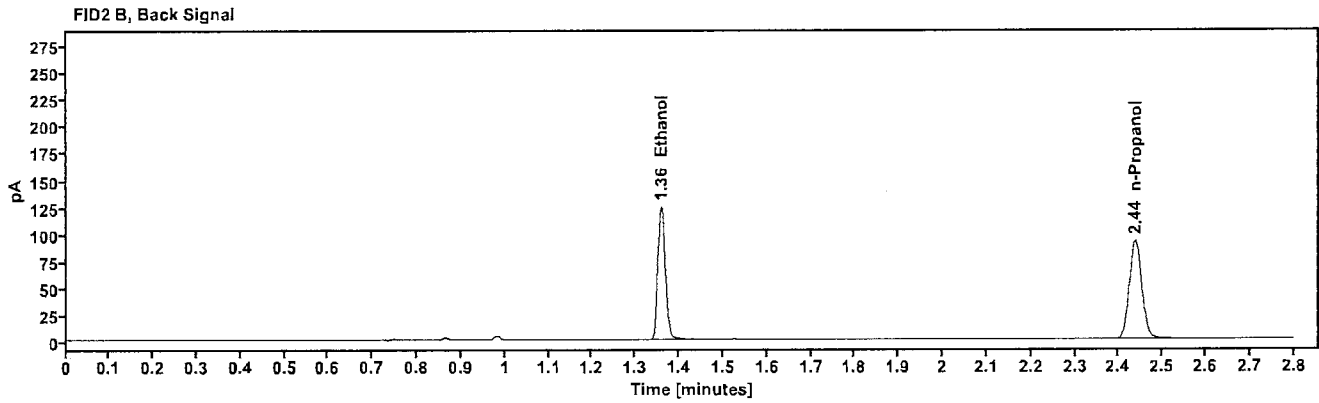
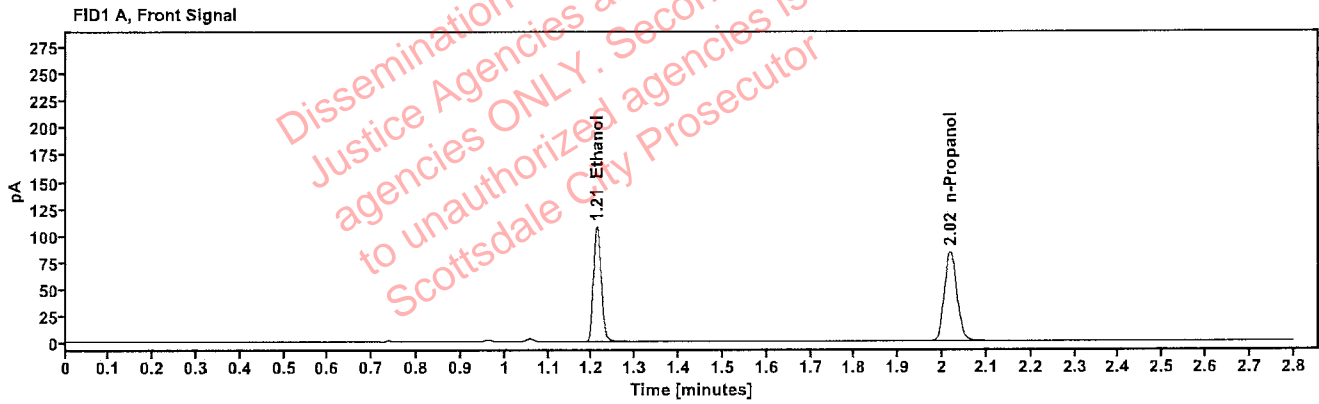


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2120	1.211	136.613
n-Propanol	---	2.018	166.205

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

Compound	Time (min)	Peak Area
Ethanol	1.359	149.831
n-Propanol	2.438	181.619

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306774-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:42:34 PM
Data file:	C:\Chem32\1\Data\26Sep23\33.D	Analyst:	Abbott

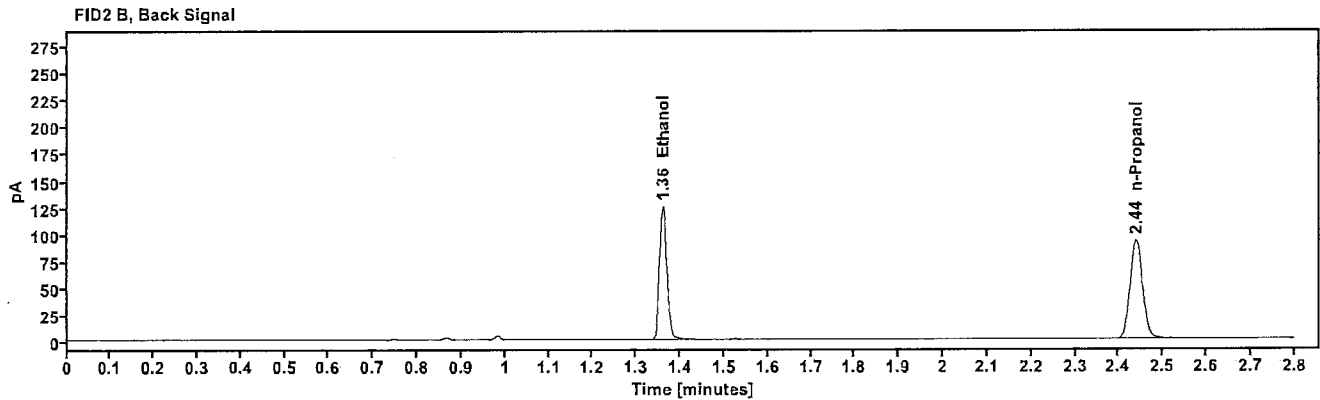
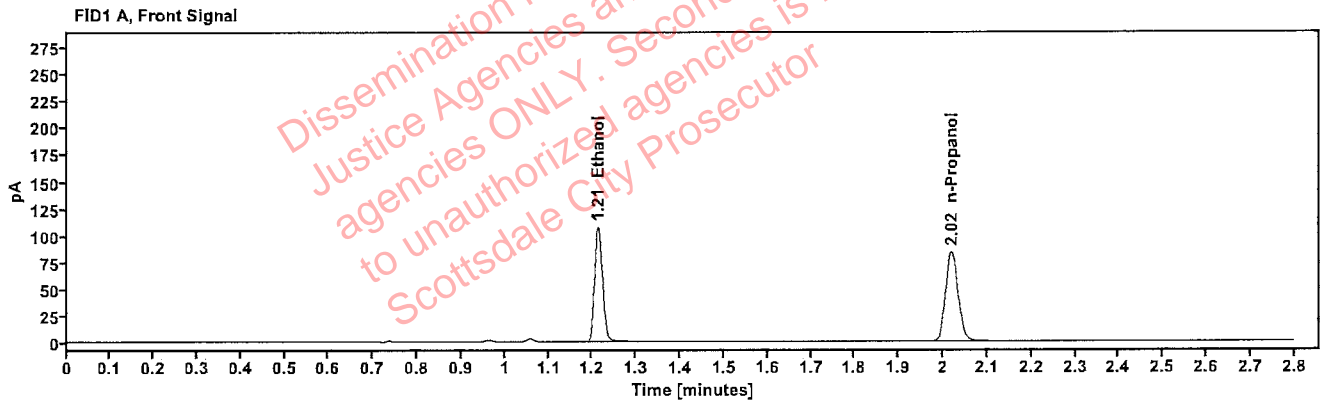


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2122	1.212	136.956
n-Propanol	-----	2.019	166.423

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

Compound	Time (min)	Peak Area
Ethanol	1.360	150.469
n-Propanol	2.439	181.941

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319501-2	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:46:34 PM
Data file:	C:\Chem32\1\Data\26Sep23\34.D	Analyst:	Abbott

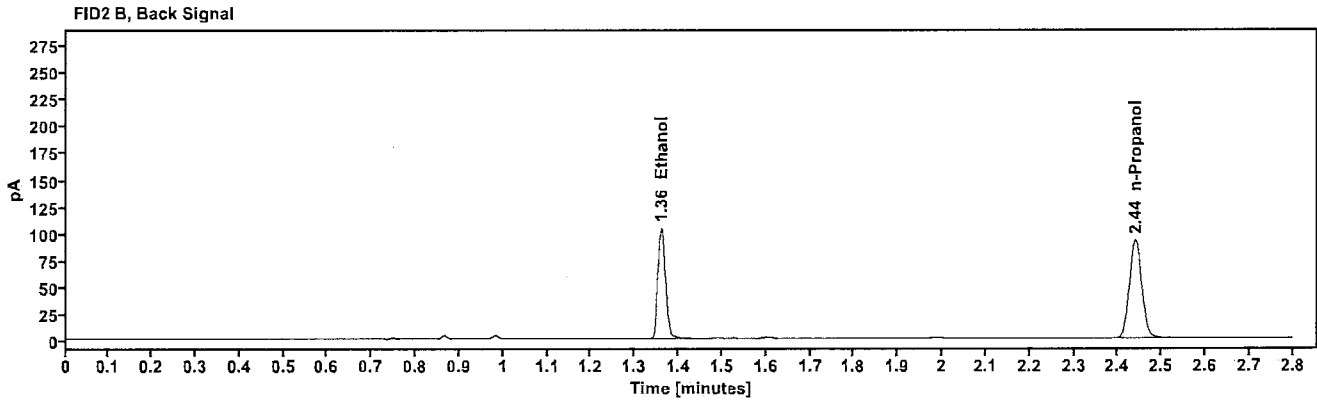
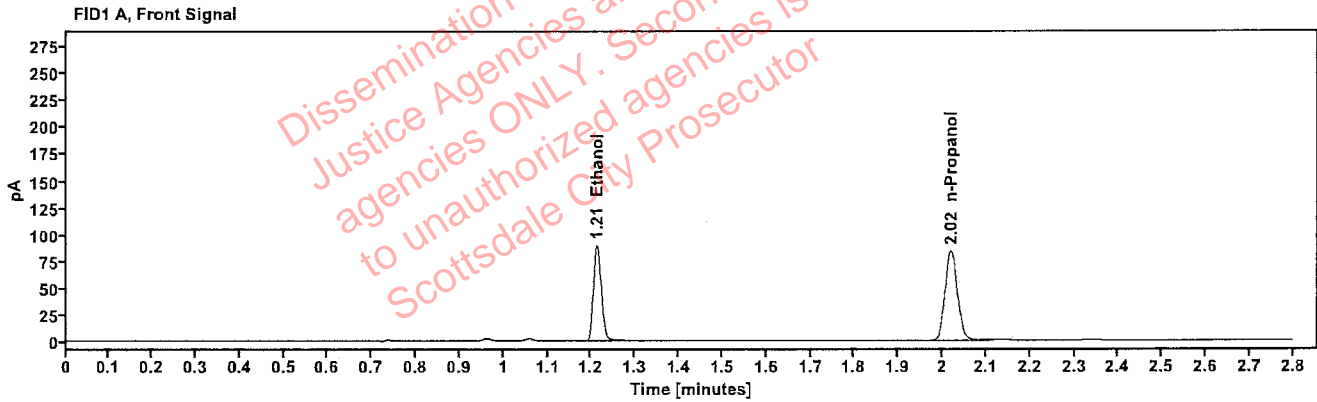


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1757	1.212	113.945
n-Propanol	-----	2.019	167.516

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

Compound	Time (min)	Peak Area
Ethanol	1.360	125.568
n-Propanol	2.440	182.394

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319501-2	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:50:34 PM
Data file:	C:\Chem32\1\Data\26Sep23\35.D	Analyst:	Abbott

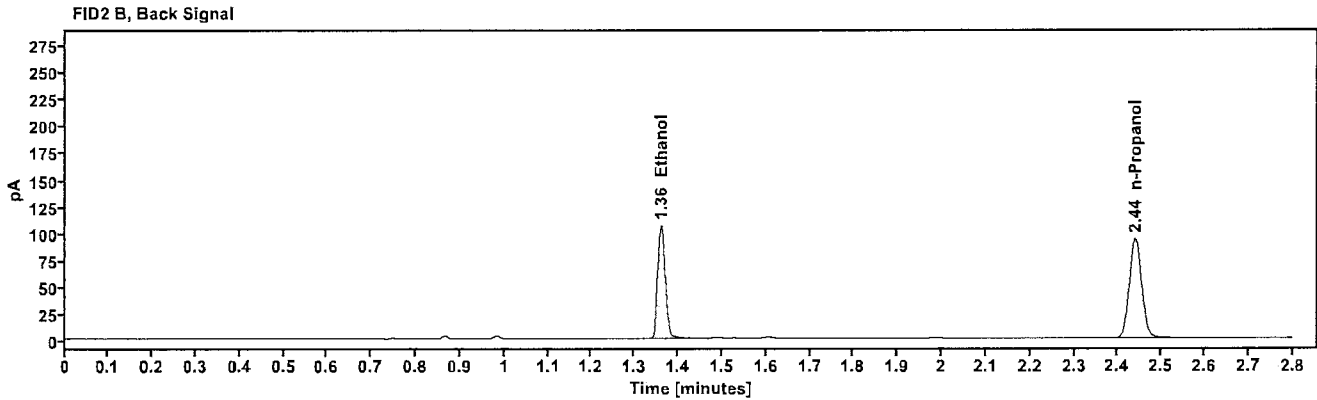
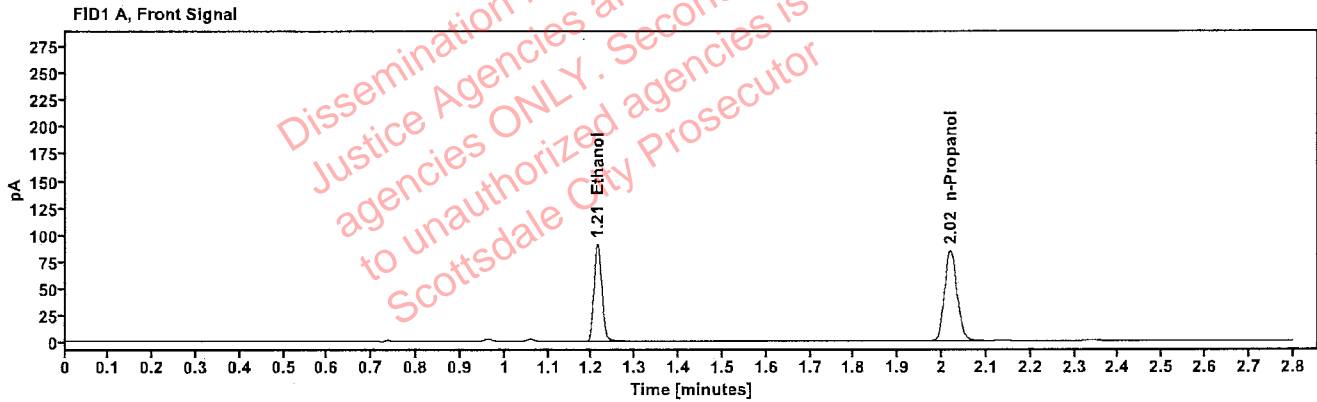


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1774	1.212	115.835
n-Propanol	---	2.019	168.629

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

Compound	Time (min)	Peak Area
Ethanol	1.360	127.768
n-Propanol	2.439	183.912

Abbott, Lori - (27-Sep-2023)

Case: User: LAbbott 9/27/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319443-1	Vial:	36
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:54:35 PM
Data file:	C:\Chem32\1\Data\26Sep23\36.D	Analyst:	Abbott

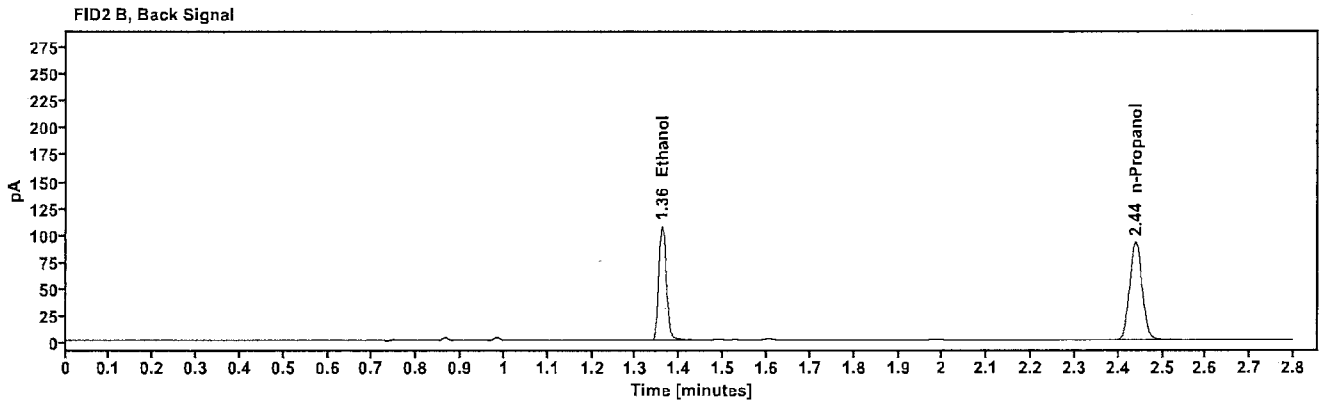
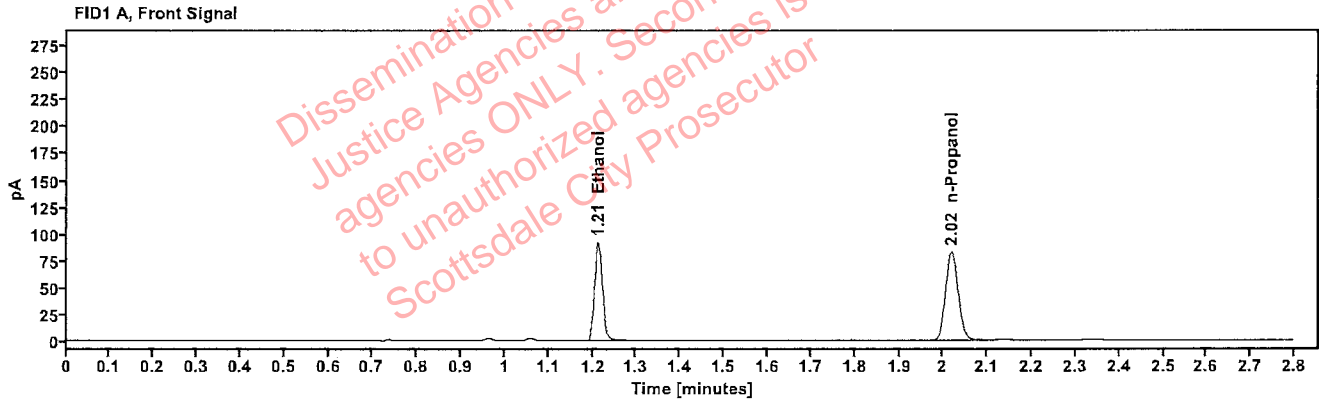


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1824	1.212	117.009
n-Propanol	-----	2.019	165.644

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

Compound	Time (min)	Peak Area
Ethanol	1.360	128.901
n-Propanol	2.439	180.705

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319443-1	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 5:58:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\37.D	Analyst:	Abbott

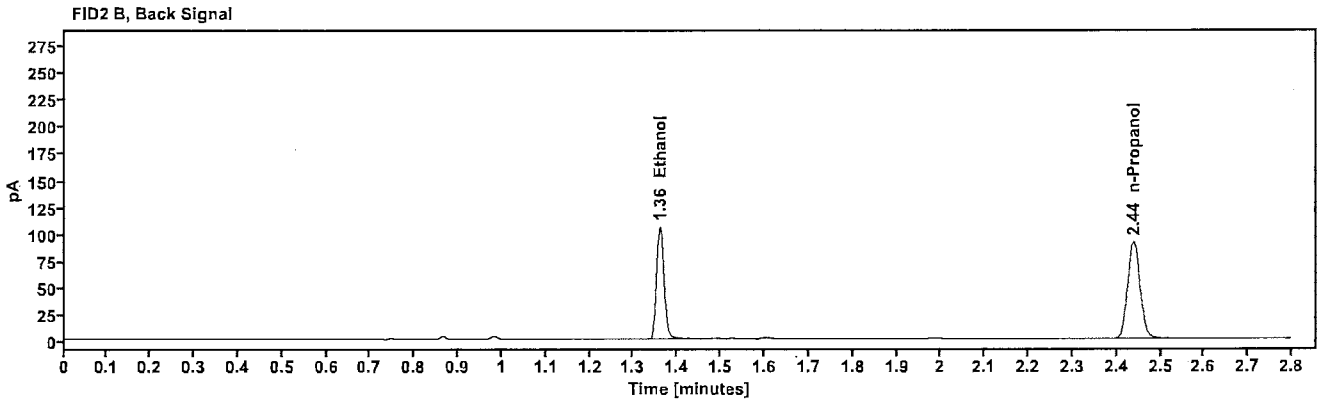
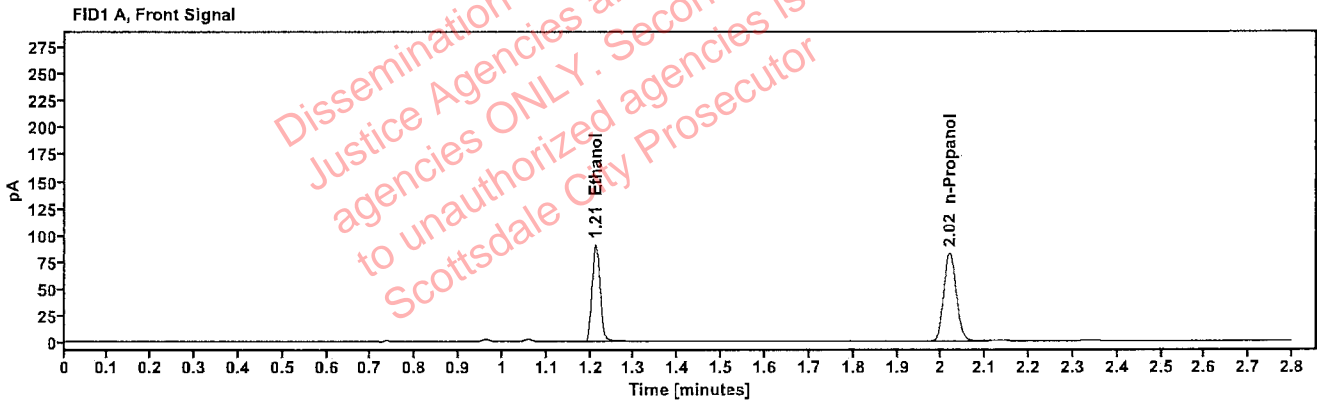


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1814	1.212	115.769
n-Propanol	---	2.019	164.751

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

Compound	Time (min)	Peak Area
Ethanol	1.360	127.377
n-Propanol	2.439	179.432

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318722-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 6:02:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\38.D	Analyst:	Abbott

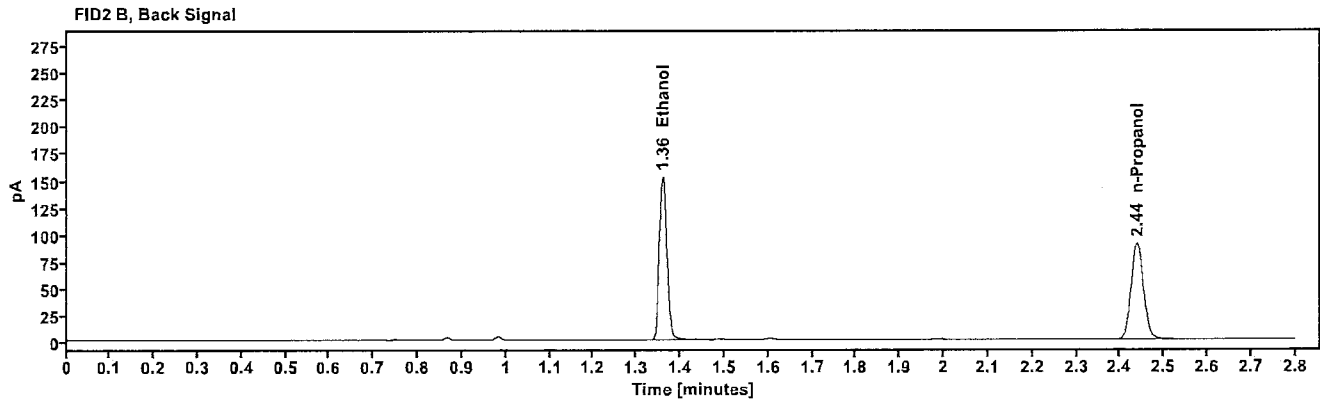
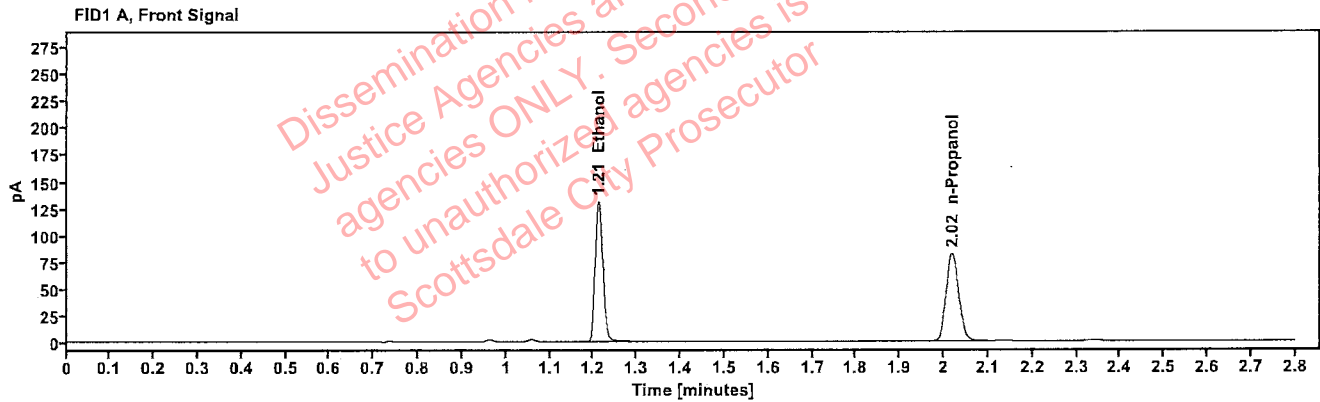


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2635	1.212	166.613
n-Propanol	---	2.019	162.789

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

Compound	Time (min)	Peak Area
Ethanol	1.360	183.619
n-Propanol	2.439	178.631

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318722-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 6:06:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\39.D	Analyst:	Abbott

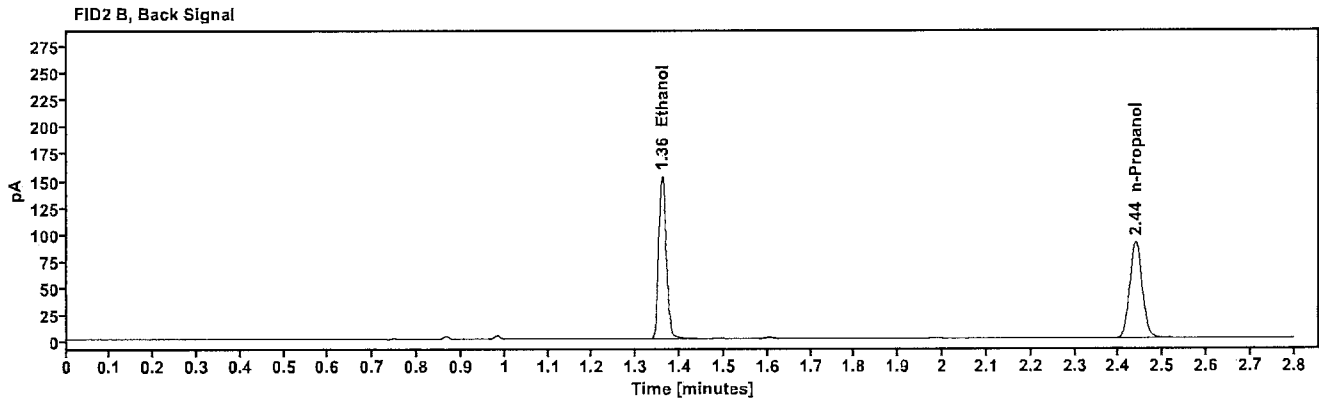
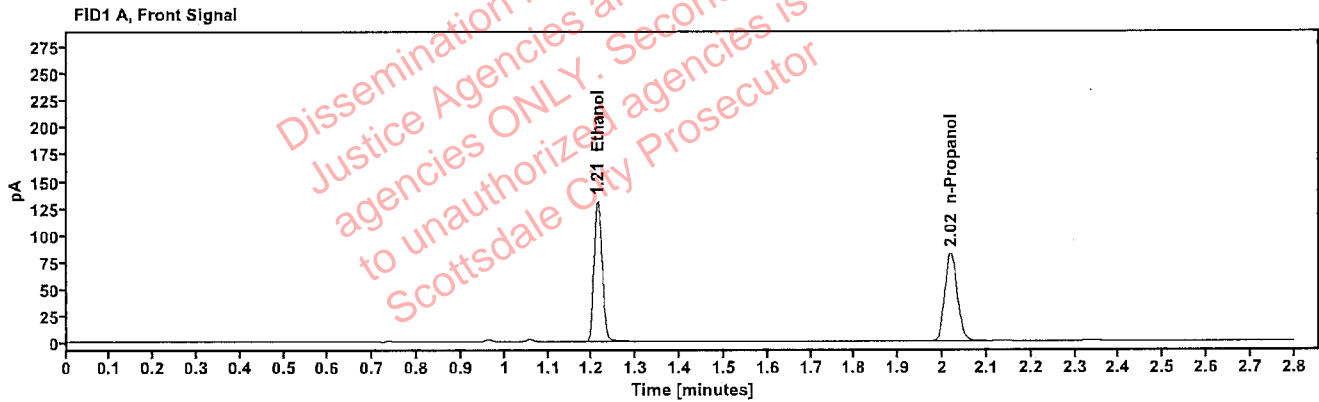


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2634	1.212	166.661
n-Propanol	----	2.018	162.906

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

Compound	Time (min)	Peak Area
Ethanol	1.359	183.666
n-Propanol	2.438	178.851



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317988-2	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 6:10:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\40.D	Analyst:	Abbott

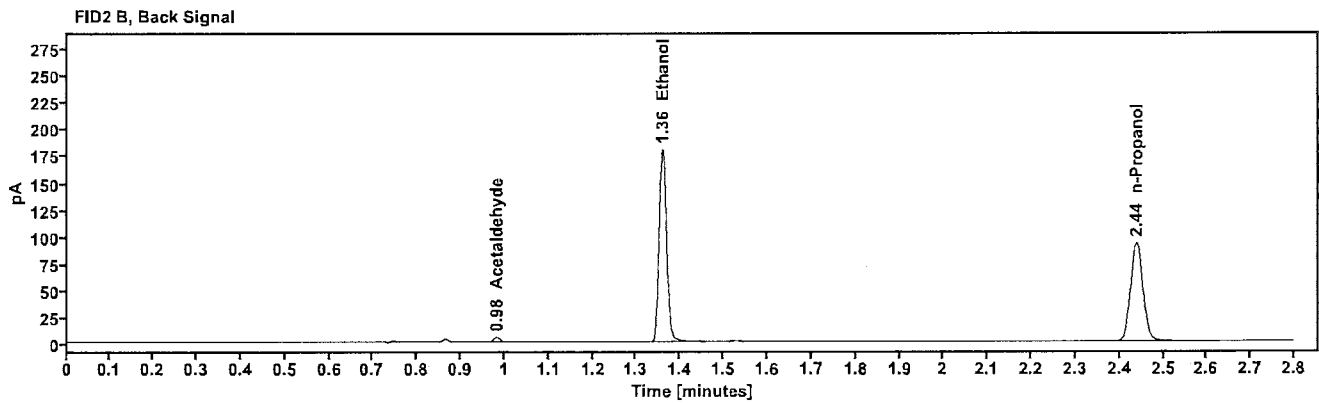
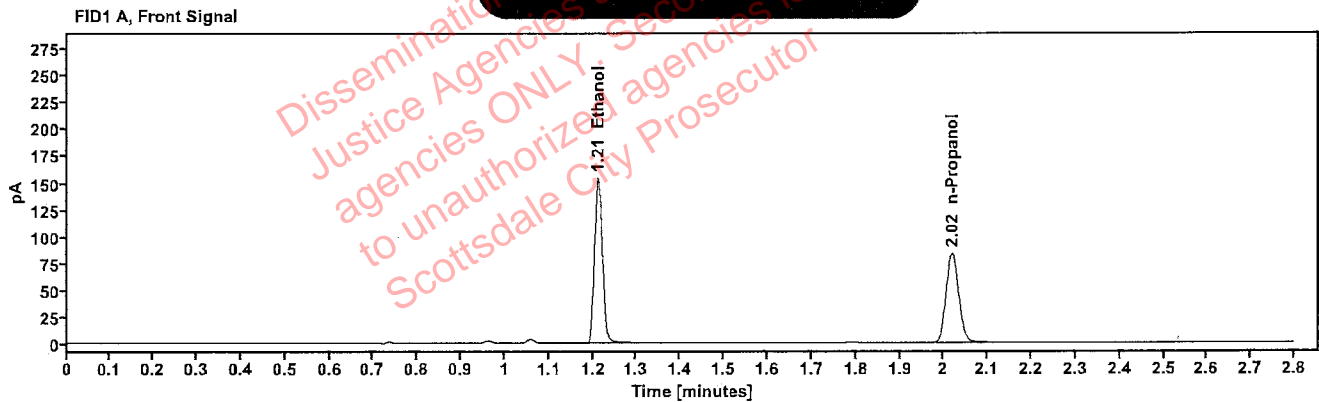


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3037	1.212	196.588
n-Propanol	-----	2.019	166.553

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	4.033
Ethanol	1.360	216.348
n-Propanol	2.439	182.074

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317988-2	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/26/2023 6:14:50 PM
Data file:	C:\Chem32\1\Data\26Sep23\41.D	Analyst:	Abbott

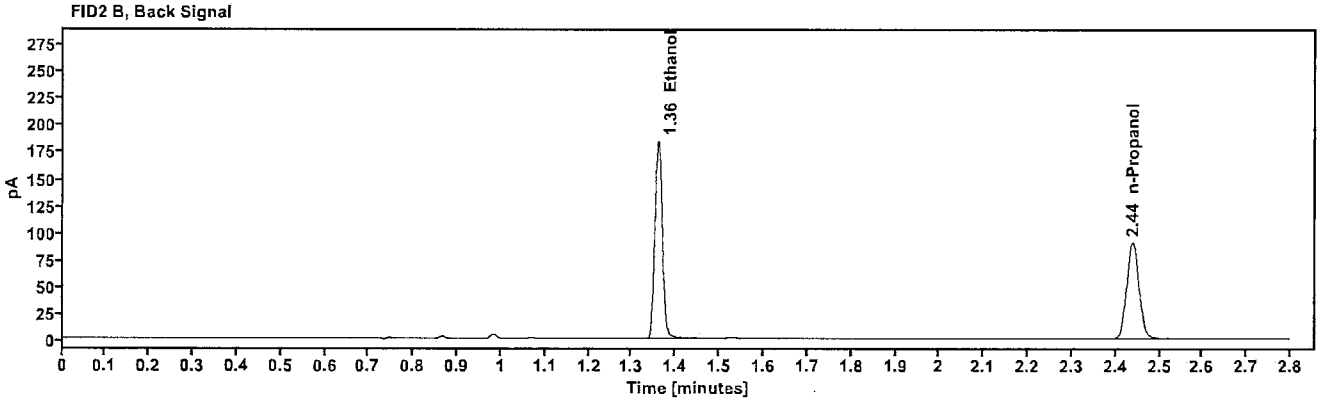
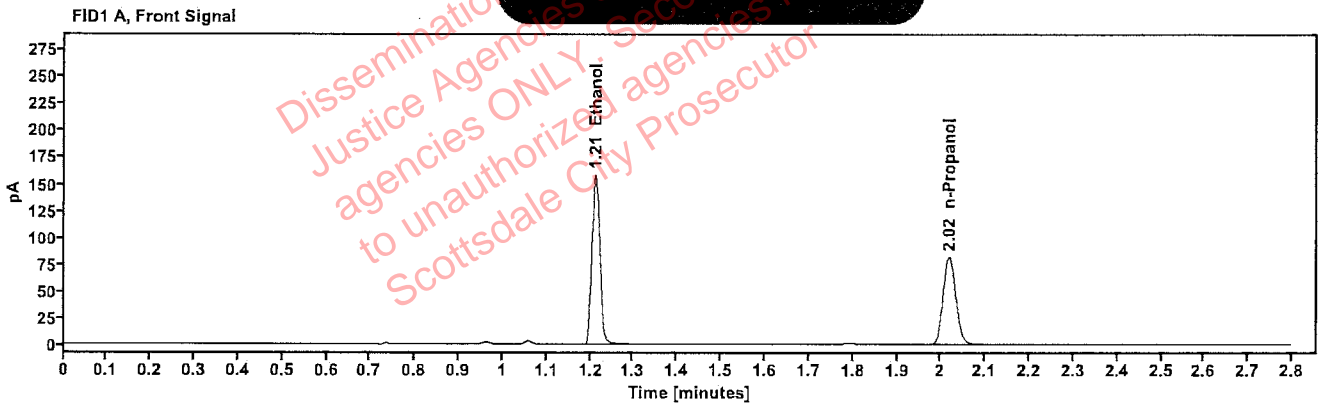


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3183	1.212	201.421
n-Propanol	-----	2.019	162.800

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

Compound	Time (min)	Peak Area
Ethanol	1.360	222.167
n-Propanol	2.439	178.135