

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 02/15/2022 SEQUENCE NAME 15Feb22

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN06141806 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN05311902 1.00000  
 Vial 3 0.20 calibrator Lot FN05101903  
 Vial 4 0.40 calibrator Lot FN10051906

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 010722AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/2
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
40	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
41	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
42	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/2
43	Blank	Not detected	Not detected	SPD lab 101921WB

**SUBJECT SAMPLES**

Subjects in the sequence 14 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

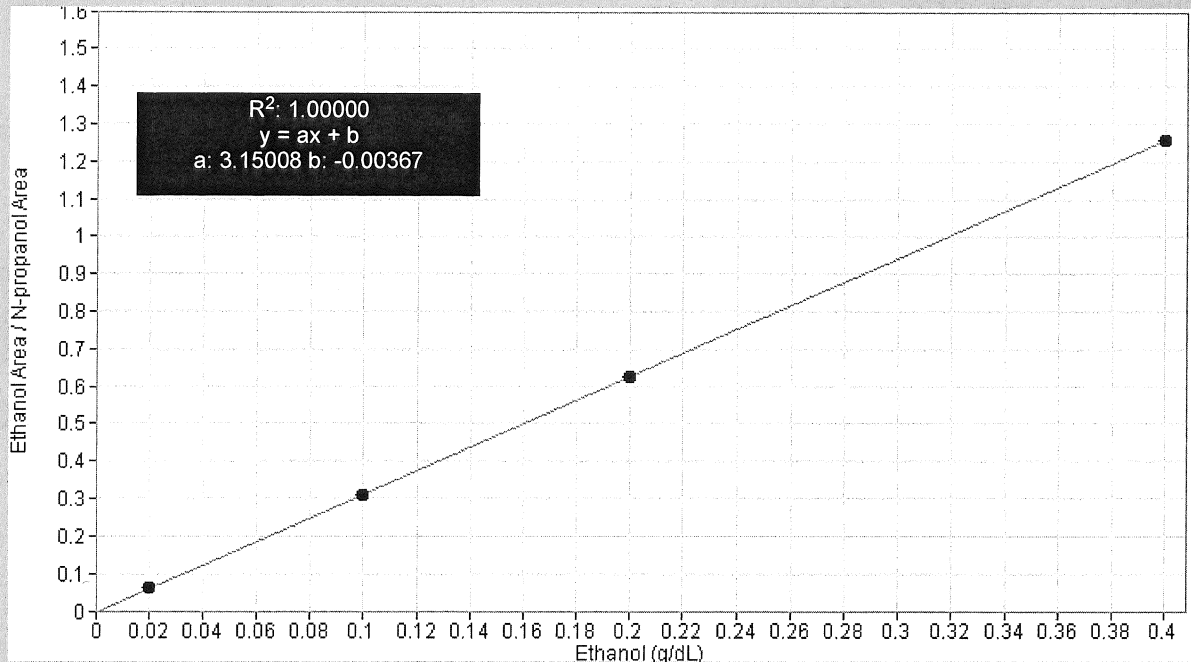
SEQUENCE NAME: 15Feb22

ANALYST: Abbott *AB*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 010722AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.401	0.400	0.25	0.001
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/2	9	0.202	0.199	1.51	0.003
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.080	0.080	0.00	0.000
0.400 11092018-A	40	0.402	0.400	0.50	0.002
0.040 14082019-B	41	0.041	0.040	2.50	0.001
0.199 4110320133/2	42	0.203	0.199	2.01	0.004
blank 101921WB	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.513	190.206	0.061
0.100	58.672	189.263	0.310
0.200	120.350	192.232	0.626
0.400	243.162	193.481	1.257

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN06141806	Vial:	1
Description:	0.020 calibrator	Sequence:	15Feb22
Method:	ethanol quant.M	Injection date:	2/15/2022 11:52:25 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>oh</i>
Data file:	C:\Chem32\1\Data\15Feb22\1.D		

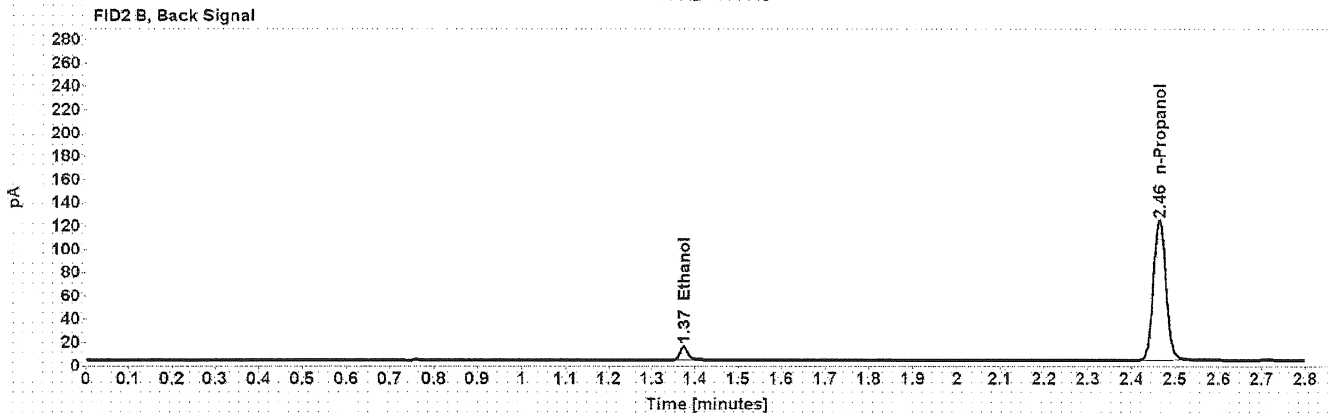


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.513
n-Propanol	2.015	190.206

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

Compound	Time (min)	Peak Area
Ethanol	1.374	14.566
n-Propanol	2.464	241.297

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 15Feb22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 2/15/2022 11:56:26 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>dh</i>
<b>Data file:</b> C:\Chem32\1\Data\15Feb22\2.D	

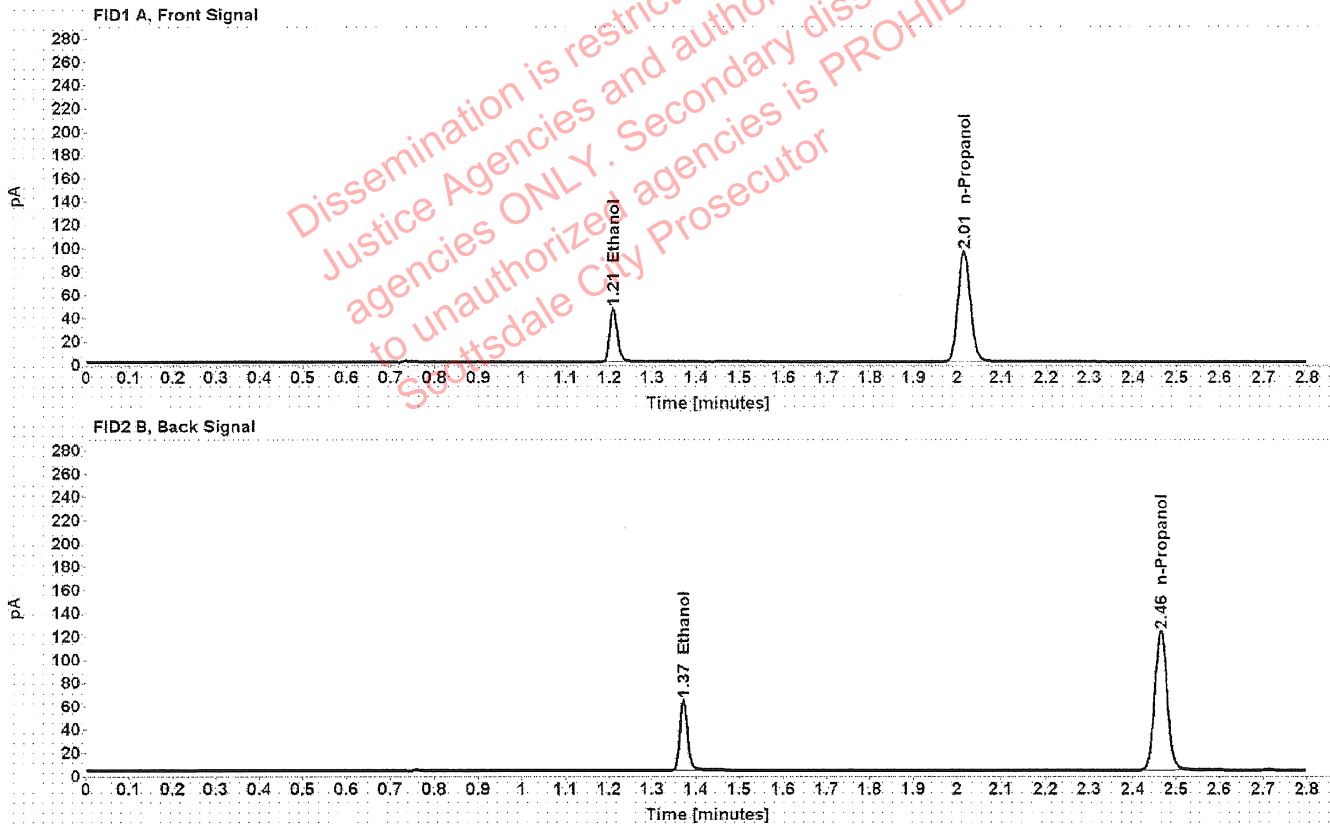


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	58.672
n-Propanol	2.014	189.263

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

Compound	Time (min)	Peak Area
Ethanol	1.372	74.464
n-Propanol	2.464	240.008

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05101903	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 15Feb22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 2/15/2022 12:00:25 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>oh</i>
<b>Data file:</b> C:\Chem32\1\Data\15Feb22\3.D	

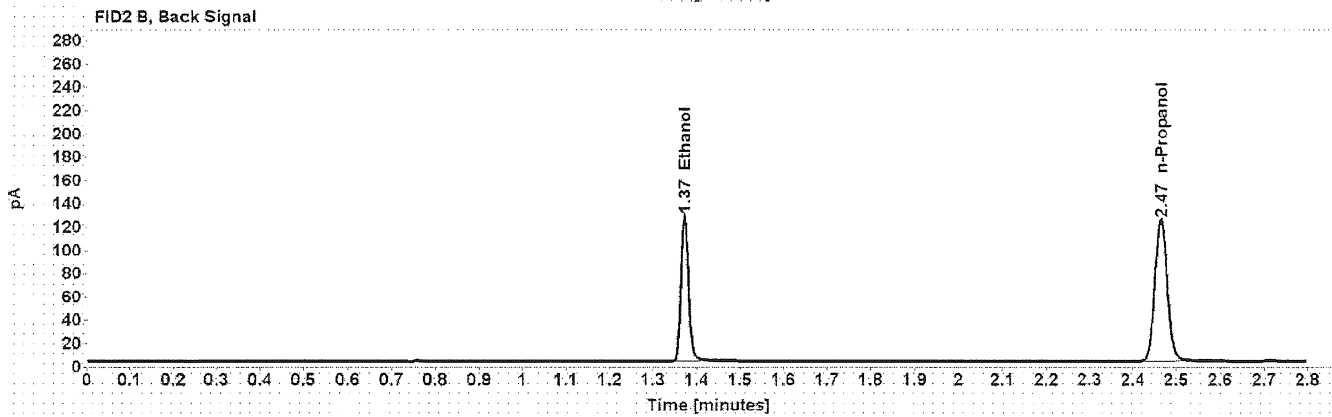
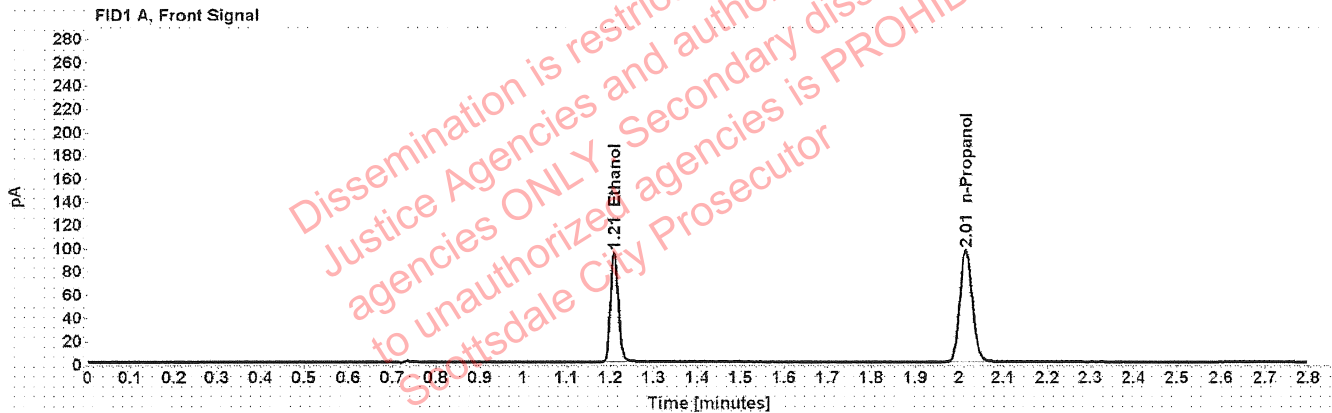


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.350
n-Propanol	2.015	192.232

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

Compound	Time (min)	Peak Area
Ethanol	1.372	152.721
n-Propanol	2.465	243.710

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051906	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 15Feb22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 2/15/2022 12:04:24 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <span style="float: right;"><i>Abbott</i></span>
<b>Data file:</b> C:\Chem32\1\Data\15Feb22\4.D	

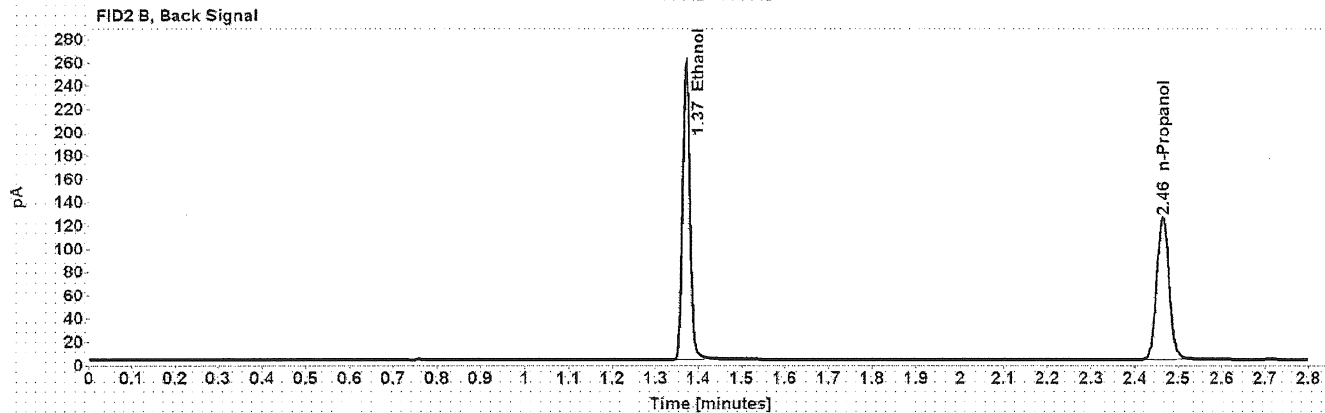
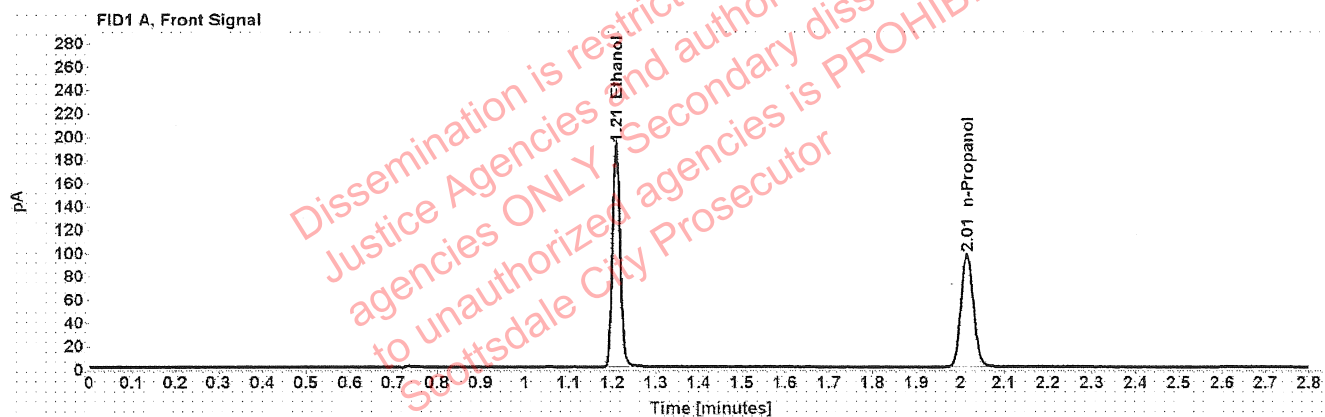


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	243.162
n-Propanol	2.014	193.481

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

Compound	Time (min)	Peak Area
Ethanol	1.371	309.495
n-Propanol	2.464	245.069

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	010722AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:08:25 PM
Data file:	C:\Chem32\1\Data\15Feb22\5.D	Analyst:	Abbott <i>gh</i>

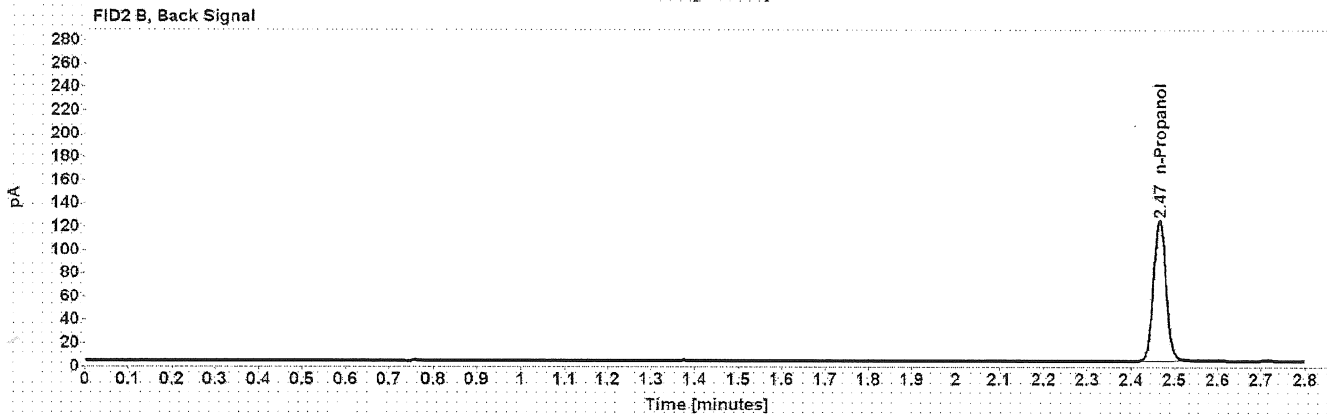
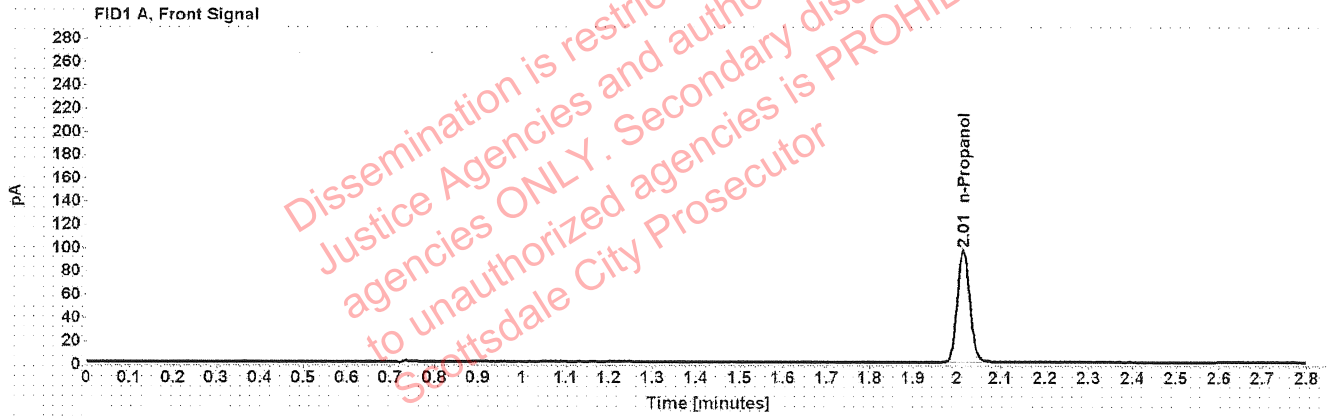


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	191.987

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	243.231

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:12:24 PM
Data file:	C:\Chem32\1\Data\15Feb22\6.D	Analyst:	Abbott <i>JA</i>

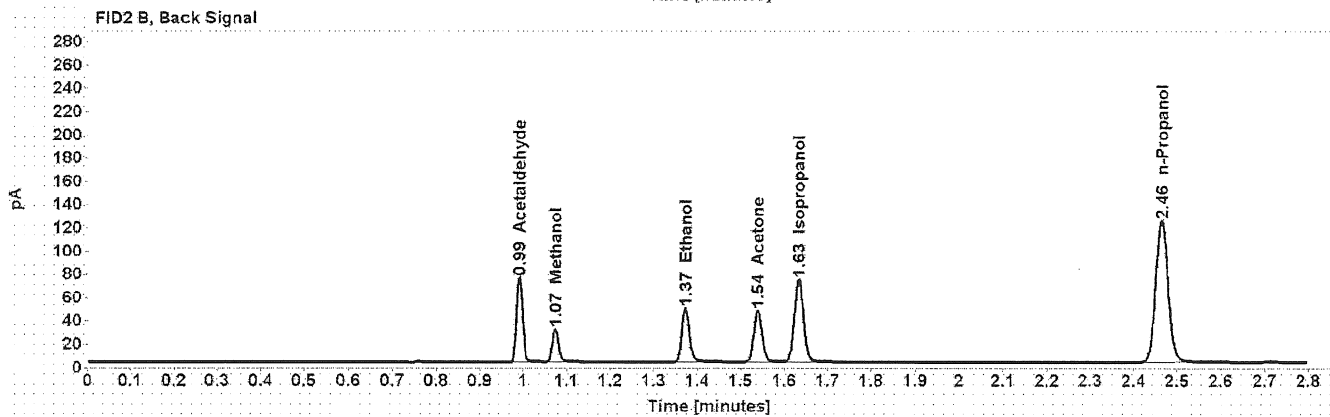
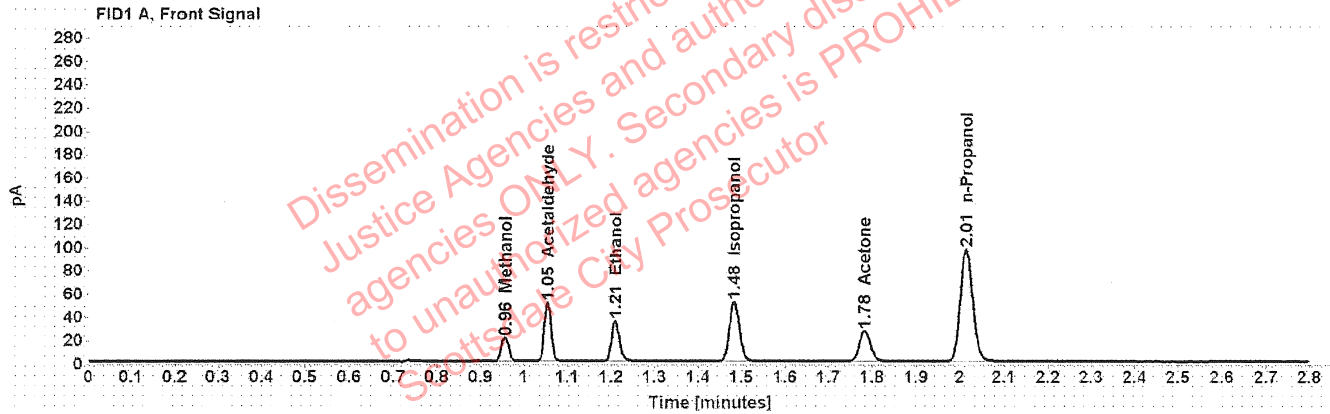


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	22.825
Acetaldehyde	-----	1.054	55.933
>Ethanol	0.0750	1.210	44.646
Isopropanol	-----	1.483	82.155
Acetone	-----	1.783	45.635
n-Propanol	-----	2.015	191.917

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	72.275
Methanol	1.074	29.611
Ethanol	1.373	56.594
Acetone	1.539	58.028
Isopropanol	1.634	106.169
n-Propanol	2.465	242.917



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:16:40 PM
Data file:	C:\Chem321\Data\15Feb22\7.D	Analyst:	Abbott <span style="float: right;">PA</span>

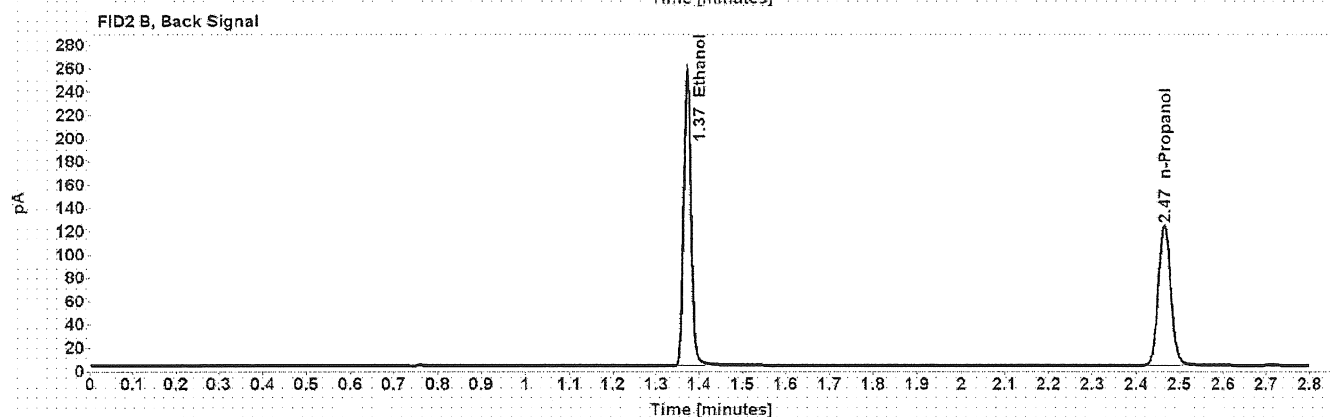
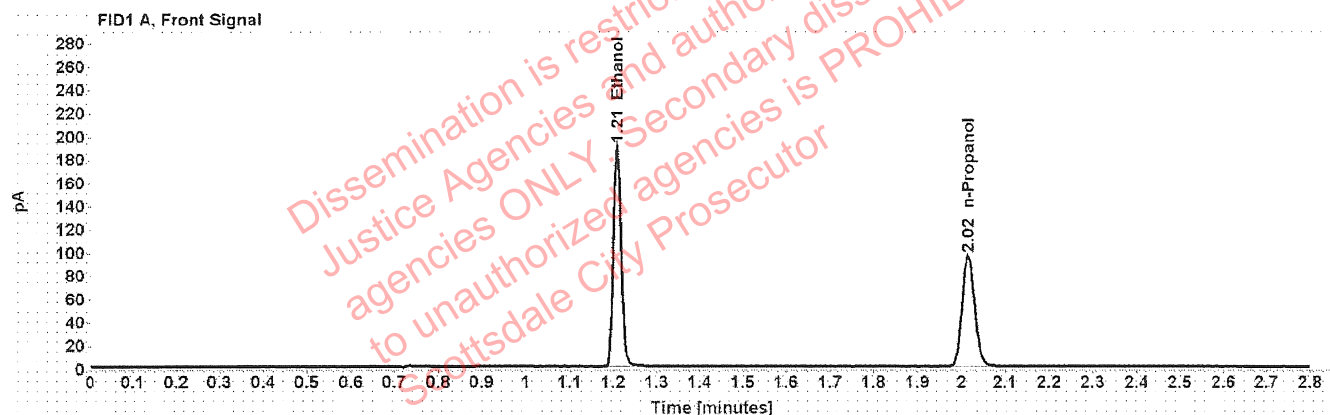


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4014	1.208	240.677
n-Propanol	-----	2.015	190.896

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

Compound	Time (min)	Peak Area
Ethanol	1.372	306.123
n-Propanol	2.465	241.864

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	14082019-B	<b>Vial:</b>	8
<b>Description:</b>	0.040	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	15Feb22
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	2/15/2022 12:20:39 PM
<b>Data file:</b>	C:\Chem32\1\Data\15Feb22\8.D	<b>Analyst:</b>	Abbott <i>JA</i>

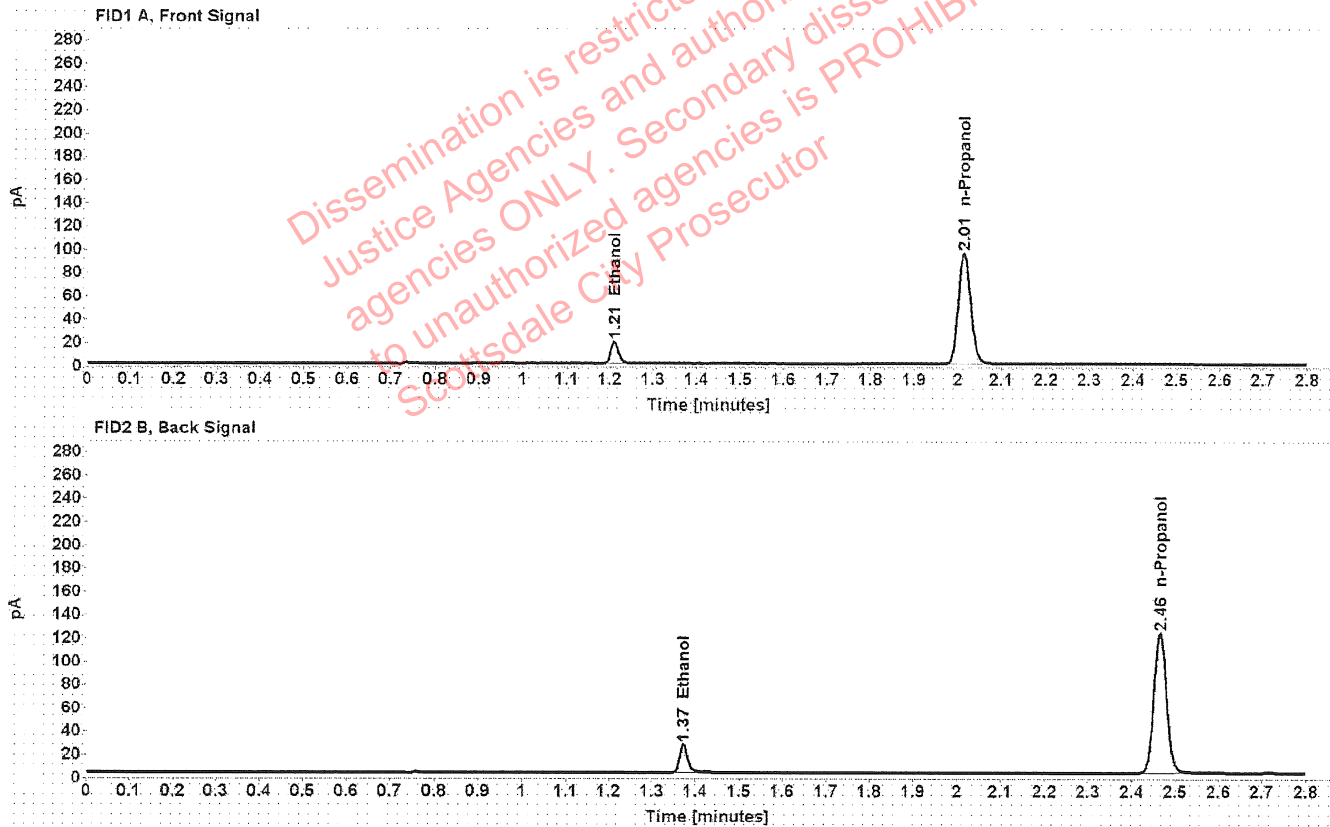


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.211	23.779
n-Propanol	-----	2.015	190.290

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

Compound	Time (min)	Peak Area
Ethanol	1.373	30.200
n-Propanol	2.465	241.159

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/2	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 15Feb22
Instrument: US14173023 CN14160045	Injection date: 2/15/2022 12:24:39 PM
Data file: C:\Chem32\1\Data\15Feb22\9.D	Analyst: Abbott <span style="float: right;">JAB</span>

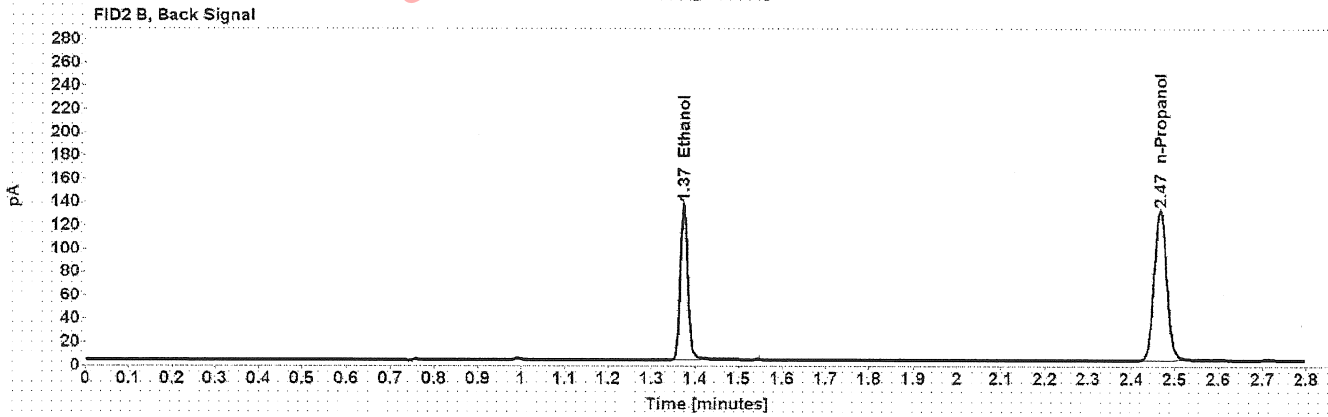
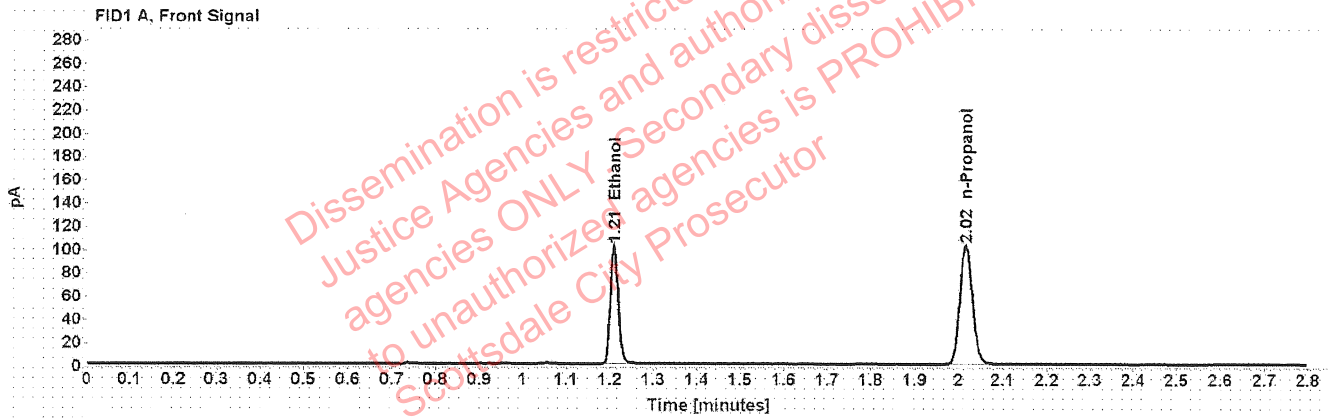


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2024	1.210	129.101
n-Propanol	-----	2.016	203.676

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

Compound	Time (min)	Peak Area
Ethanol	1.374	164.400
n-Propanol	2.467	258.404

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:09:11 PM
Data file:	C:\Chem32\1\Data\15Feb22\20.D	Analyst:	Abbott <span style="float: right;">OL</span>

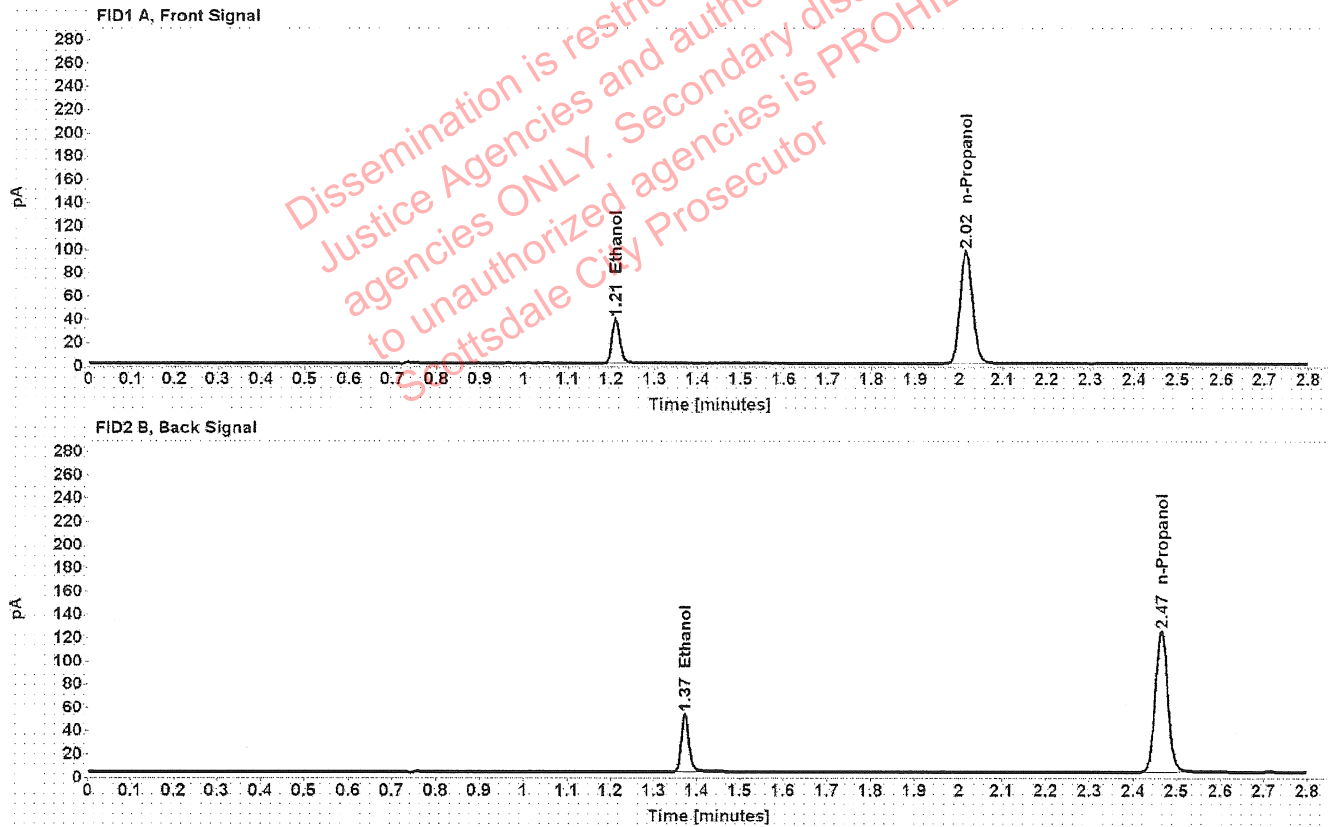


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0808	1.210	48.336
n-Propanol	-----	2.015	192.745

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

Compound	Time (min)	Peak Area
Ethanol	1.373	61.345
n-Propanol	2.465	244.781

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:53:39 PM
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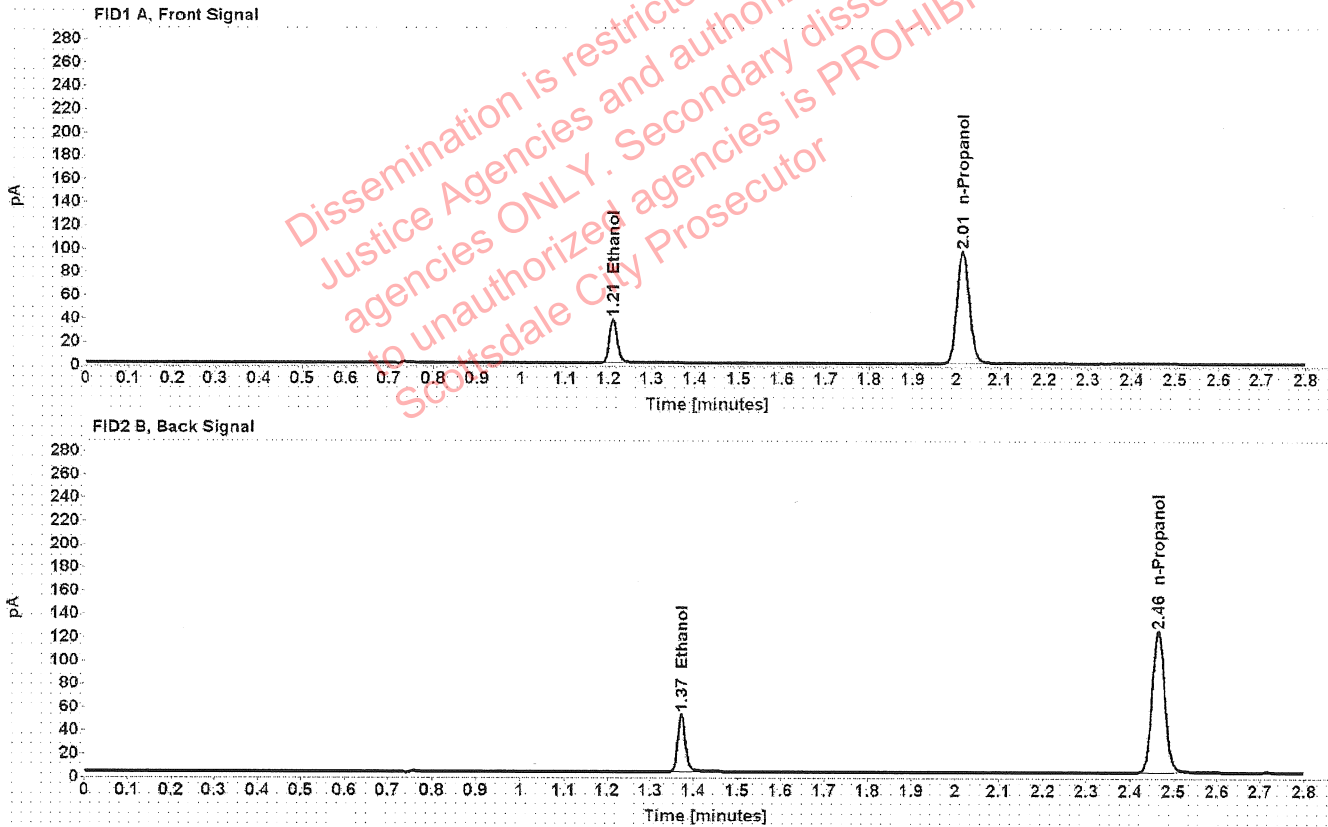


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.210	48.200
n-Propanol	-----	2.015	192.501

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

Compound	Time (min)	Peak Area
Ethanol	1.372	61.071
n-Propanol	2.465	244.253

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	40
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:29:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\40.D	Analyst:	Abbott <i>ph</i>

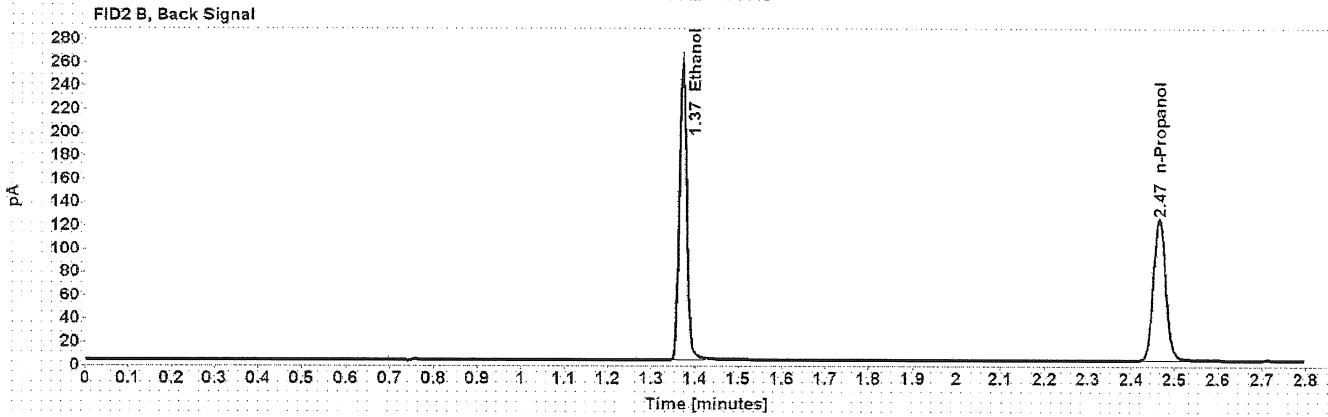
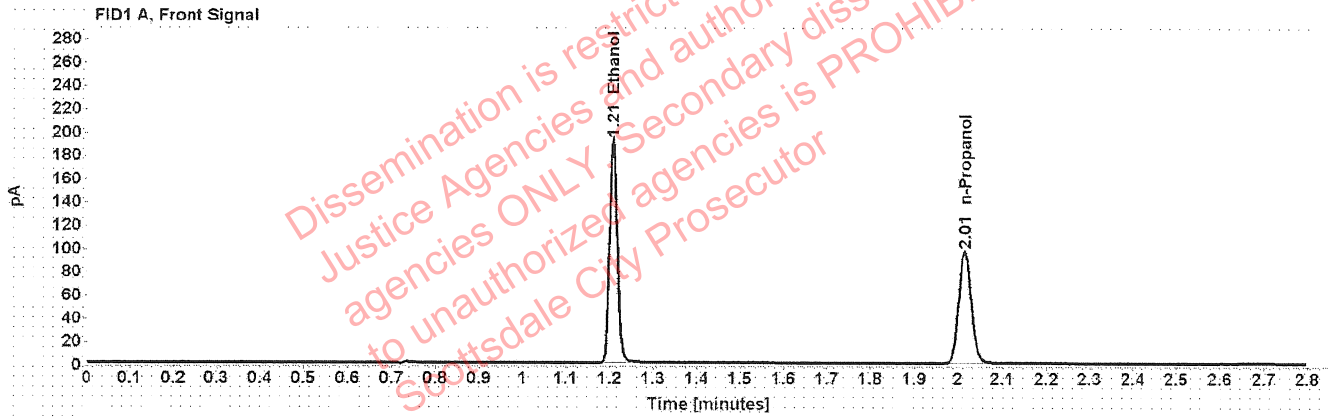


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4029	1.208	243.292
n-Propanol	-----	2.015	192.251

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

Compound	Time (min)	Peak Area
Ethanol	1.372	310.373
n-Propanol	2.465	244.318

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	41
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:33:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\41.D	Analyst:	Abbott <i>JA</i>

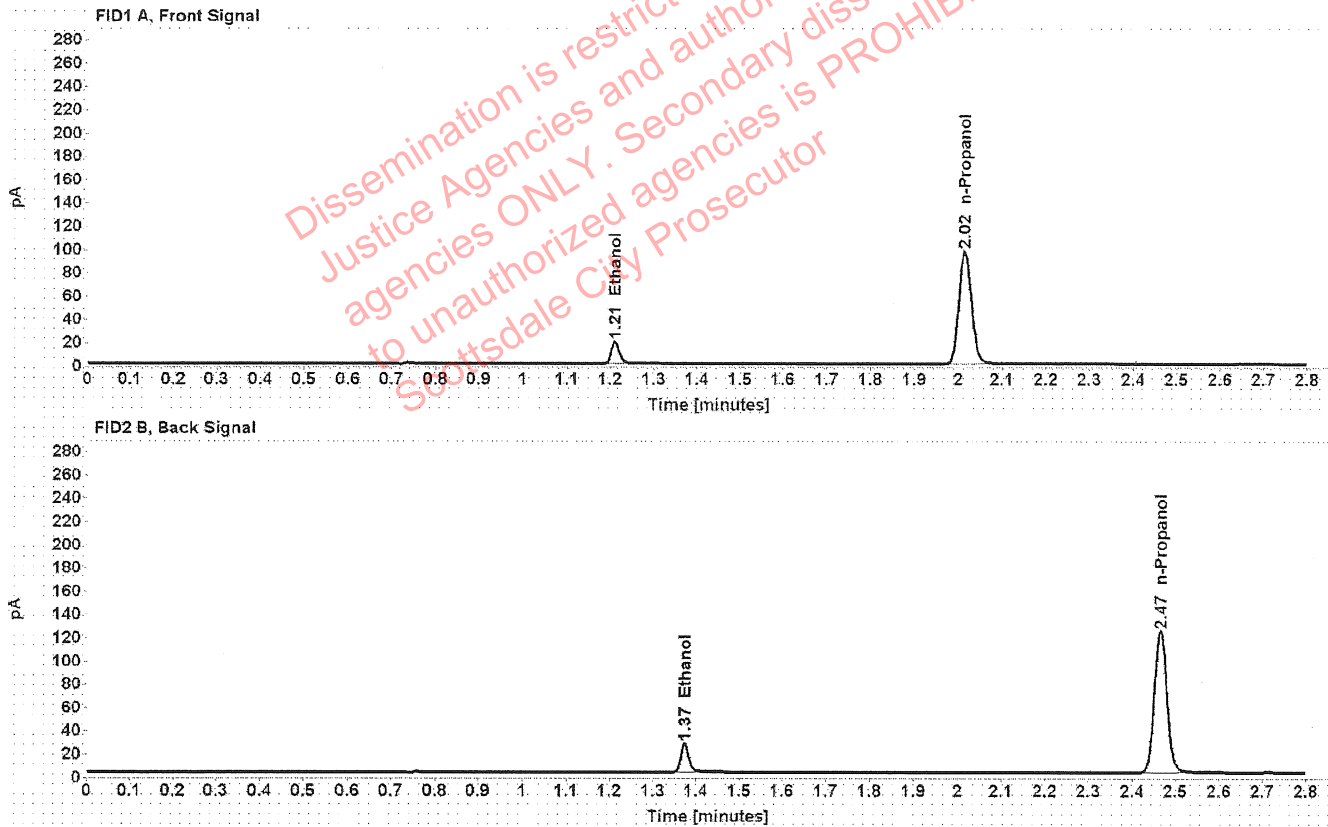


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.211	24.341
n-Propanol	-----	2.015	193.340

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.890
n-Propanol	2.466	245.434

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	4110320133/2	<b>Vial:</b>	42
<b>Description:</b>	0.199	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	15Feb22
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	2/15/2022 2:37:55 PM
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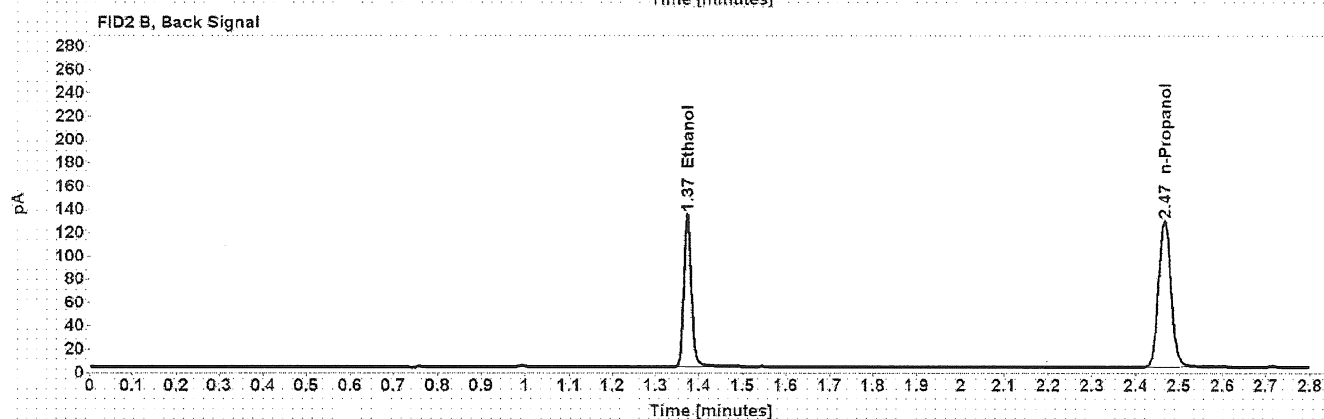
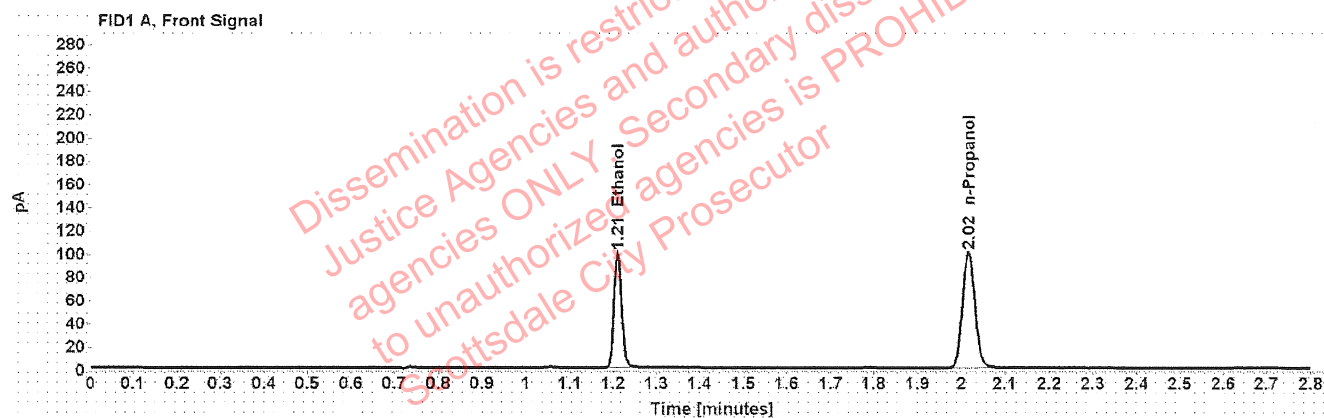


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2030	1.210	126.635
n-Propanol	-----	2.016	199.177

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

Compound	Time (min)	Peak Area
Ethanol	1.374	161.346
n-Propanol	2.467	252.787



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	43
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:42:10 PM
Data file:	C:\Chem32\1\Data\15Feb22\43.D	Analyst:	Abbott <i>JA</i>

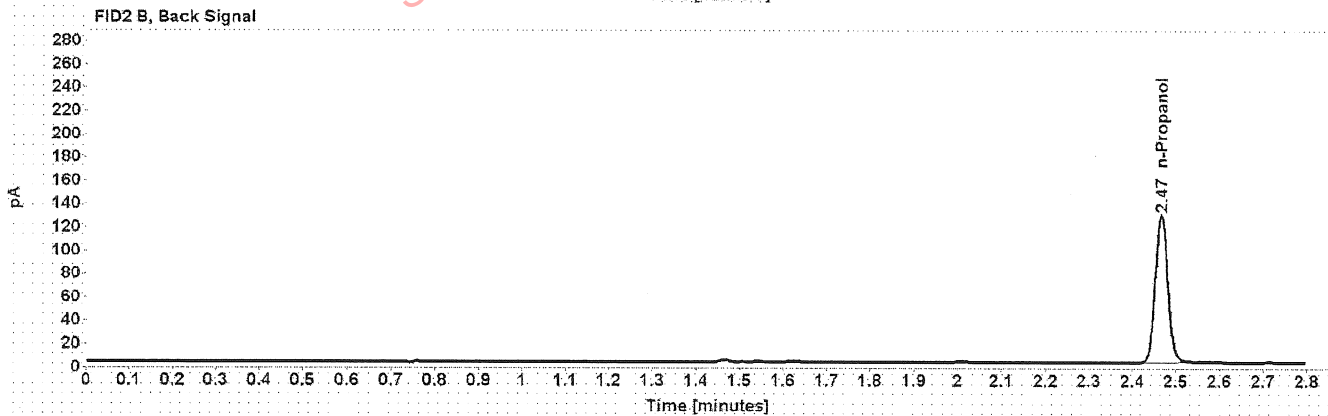
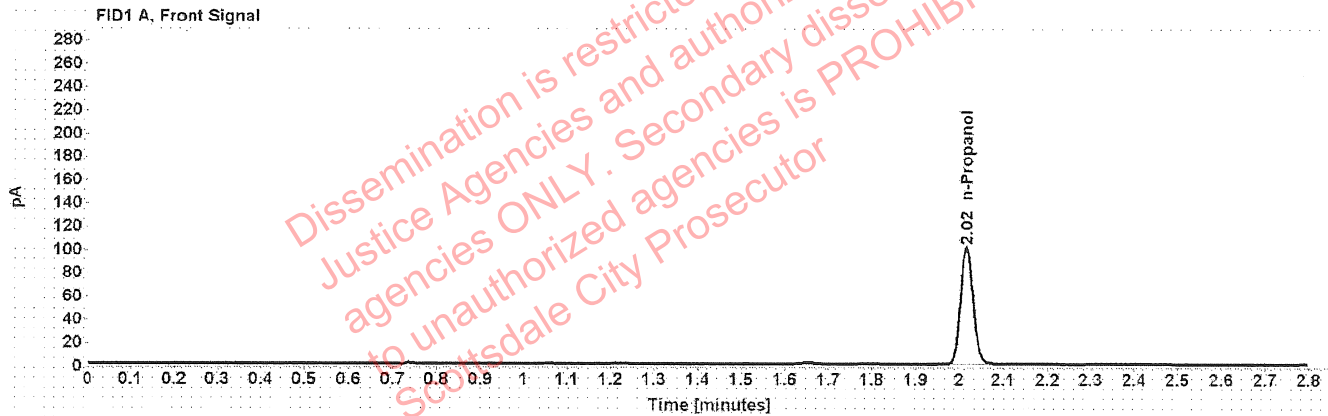


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	200.416

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	254.907

# Sequence Summary

Sequence name: 15Feb22      Instrument: US14173023 CN14160045      Analyst: Abbott *AB*

Vial	Sample	Description	Type	LIMS ID	Method
1	FN06141806	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN05101903	0.200 calibrator	Calibration		ethanol quant.M
4	FN10051906	0.400 calibrator	Calibration		ethanol quant.M
5	010722AQ	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/2	0.199	Control		ethanol quant.M
10	1407594		Sample		ethanol quant.M
11	1407594		Sample		ethanol quant.M
12	1407670		Sample		ethanol quant.M
13	1407670		Sample		ethanol quant.M
14	1407719		Sample		ethanol quant.M
15	1407719		Sample		ethanol quant.M
16	1407743		Sample		ethanol quant.M
17	1407743		Sample		ethanol quant.M
18	1408016		Sample		ethanol quant.M
19	1408016		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1408420		Sample		ethanol quant.M
22	1408420		Sample		ethanol quant.M
23	1408453		Sample		ethanol quant.M
24	1408453		Sample		ethanol quant.M
25	1383253		Sample		ethanol quant.M
26	1383253		Sample		ethanol quant.M
27	1408624		Sample		ethanol quant.M
28	1408624		Sample		ethanol quant.M
29	1408791		Sample		ethanol quant.M
30	1408791		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1408848		Sample		ethanol quant.M
33	1408848		Sample		ethanol quant.M
34	1409018		Sample		ethanol quant.M
35	1409018		Sample		ethanol quant.M
36	1408784		Sample		ethanol quant.M
37	1408784		Sample		ethanol quant.M
38	1408868		Sample		ethanol quant.M
39	1408868		Sample		ethanol quant.M
40	11092018-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	4110320133/2	0.199	Control		ethanol quant.M
43	101921WB	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 15Feb22

ANALYST: Abbott *AK*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1118	0.1118	0.11180	0.00	0.00000
12 13	0.1634	0.1638	0.16360	0.12	0.00020
14 15	0.1349	0.1355	0.13520	0.22	0.00030
16 17	0.1912	0.1908	0.19100	0.10	0.00020
18 19	0.2340	0.2347	0.23435	0.15	0.00035
21 22	0.2536	0.2541	0.25385	0.10	0.00025
23 24	0.1976	0.1979	0.19775	0.08	0.00015
25 26	0.1897	0.1887	0.18920	0.26	0.00050
27 28	0.2717	0.2710	0.27135	0.13	0.00035
29 30	0.2228	0.2233	0.22305	0.11	0.00025
32 33	0.1721	0.1715	0.17180	0.17	0.00030
34 35	0.1956	0.1934	0.19450	0.57	0.00110
36 37	0.1559	0.1552	0.15555	0.23	0.00035
38 39	0.3660	0.3668	0.36640	0.11	0.00040

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

Dissemination of this information is restricted to Criminal Justice Agencies only. Security is PROTECTED.  
 to unauthorized agencies is PROHIBITED.  
 Scottsdale City Prosecutor



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407594	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:28:40 PM
Data file:	C:\Chem32\1\Data\15Feb22\10.D	Analyst:	Abbott

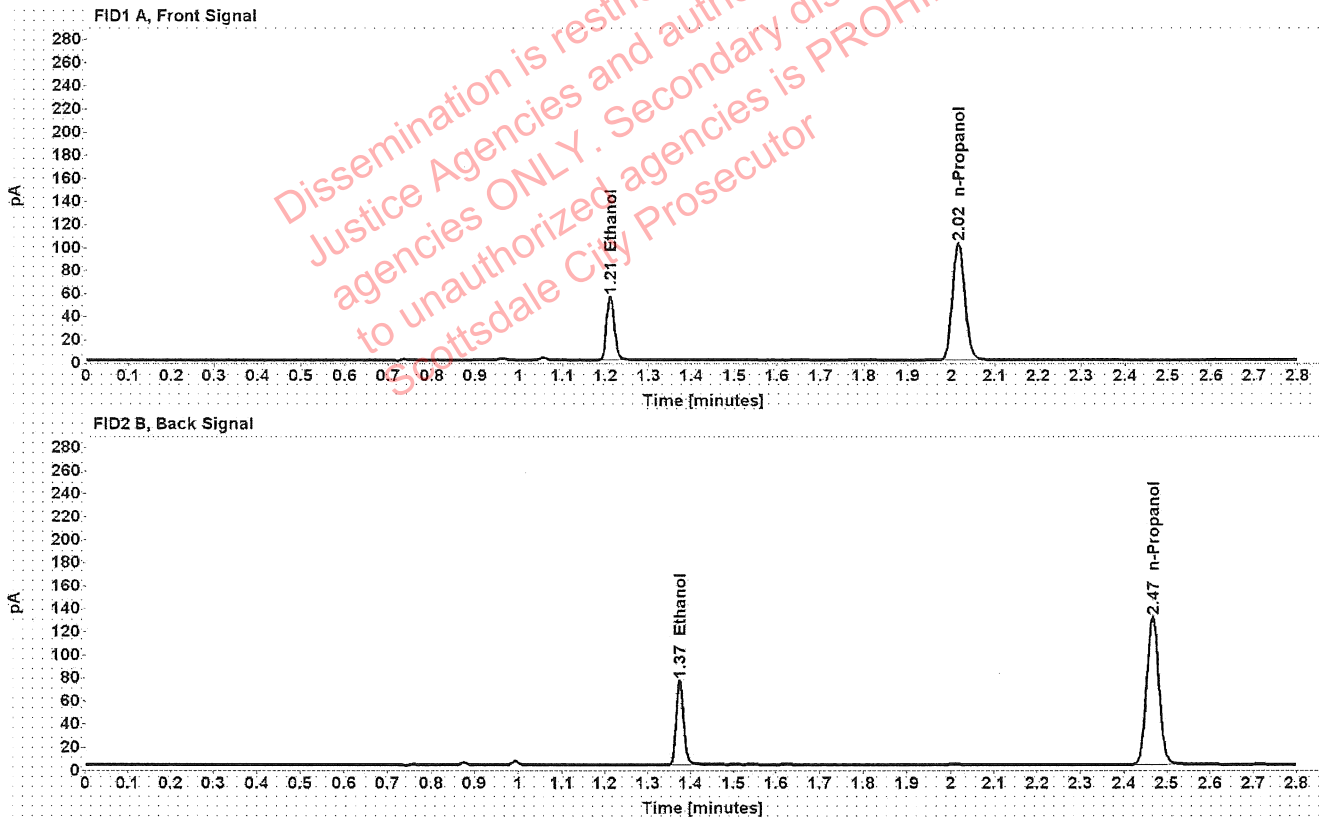


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1118	1.211	70.501
n-Propanol	-----	2.016	202.350

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

Compound	Time (min)	Peak Area
Ethanol	1.374	88.977
n-Propanol	2.467	256.869

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407594	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:32:40 PM
Data file:	C:\Chem32\1\Data\15Feb22\11.D	Analyst:	Abbott

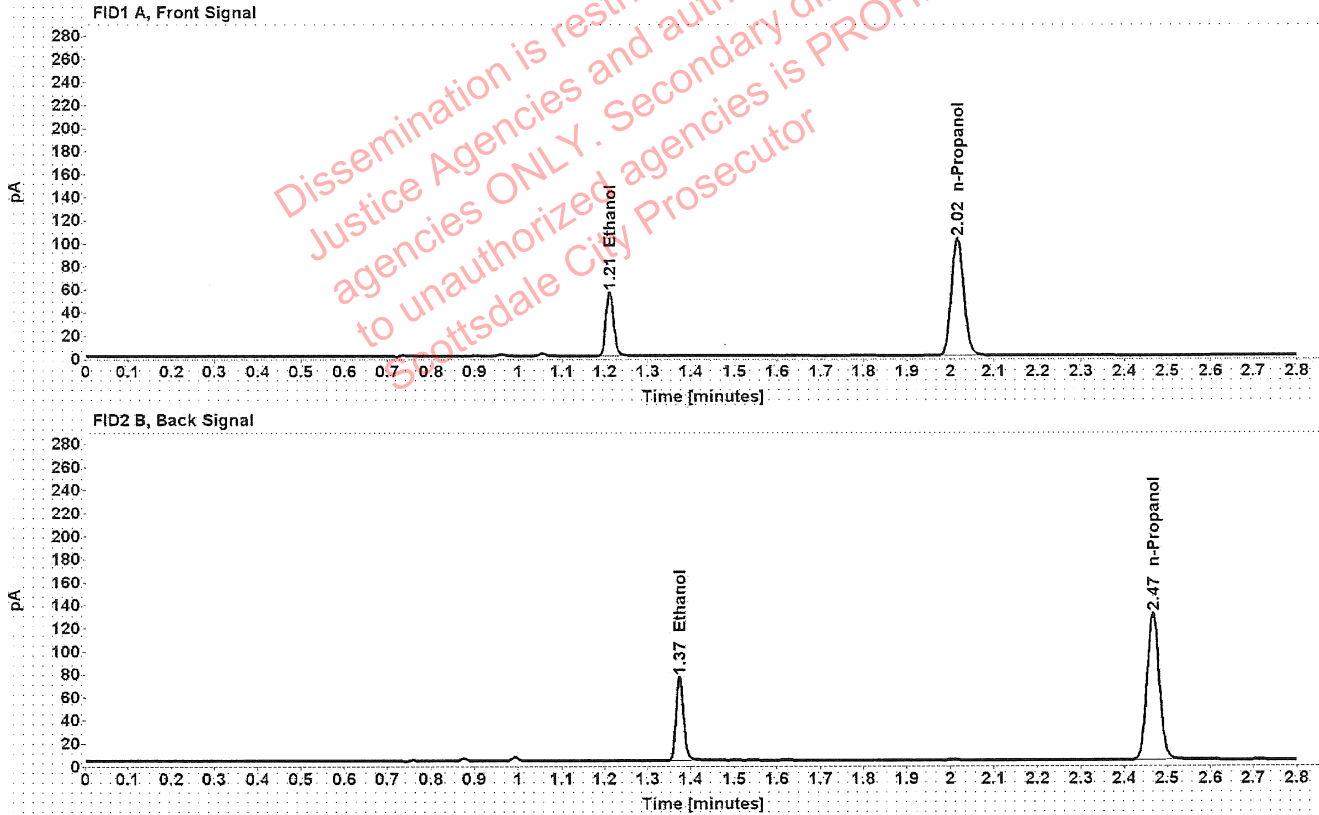


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1118	1.211	70.526
n-Propanol	-----	2.016	202.330

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

Compound	Time (min)	Peak Area
Ethanol	1.374	89.160
n-Propanol	2.467	256.783

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407670	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:36:39 PM
Data file:	C:\Chem32\1\Data\15Feb22\12.D	Analyst:	Abbott

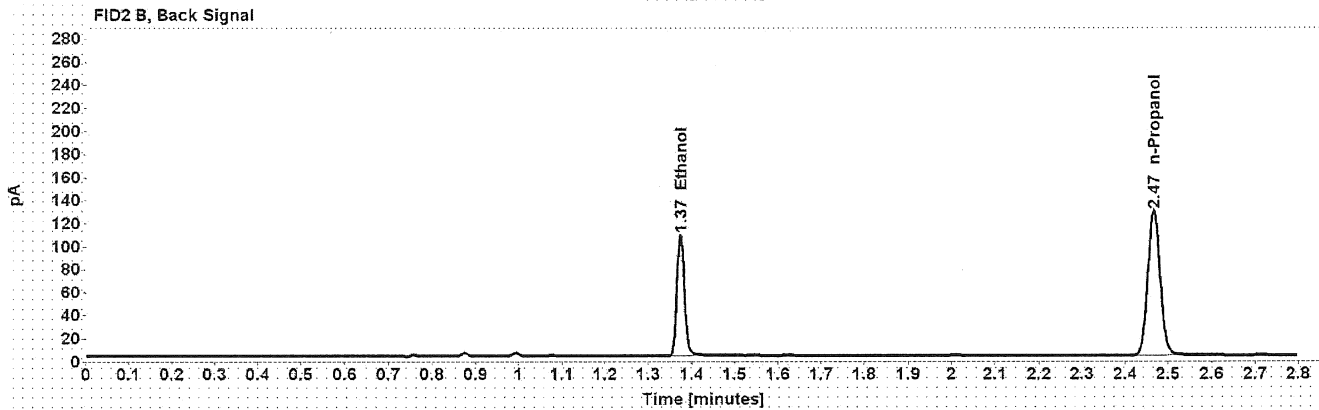
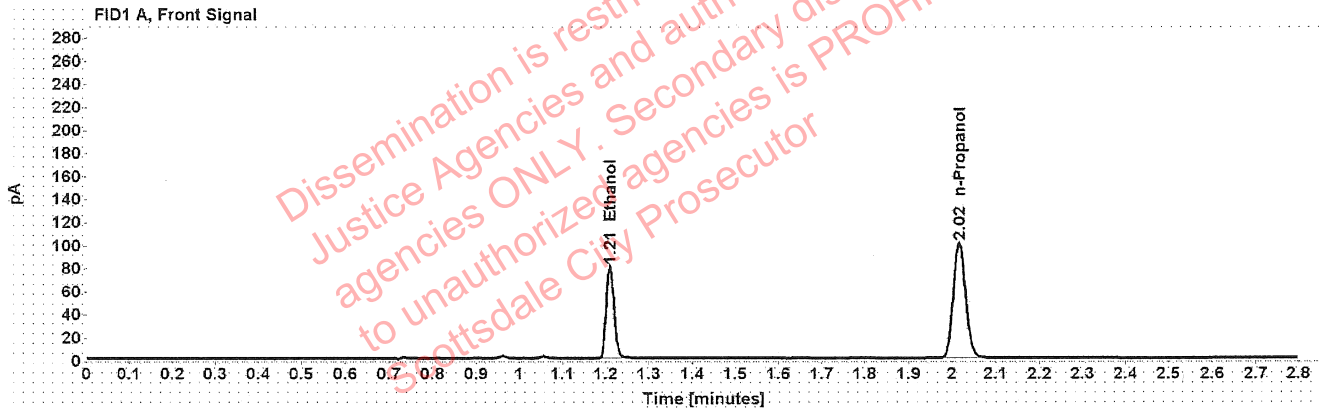


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1634	1.210	101.828
n-Propanol	-----	2.016	199.190

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.056
n-Propanol	2.467	252.636

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407670	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:40:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\13.D	Analyst:	Abbott

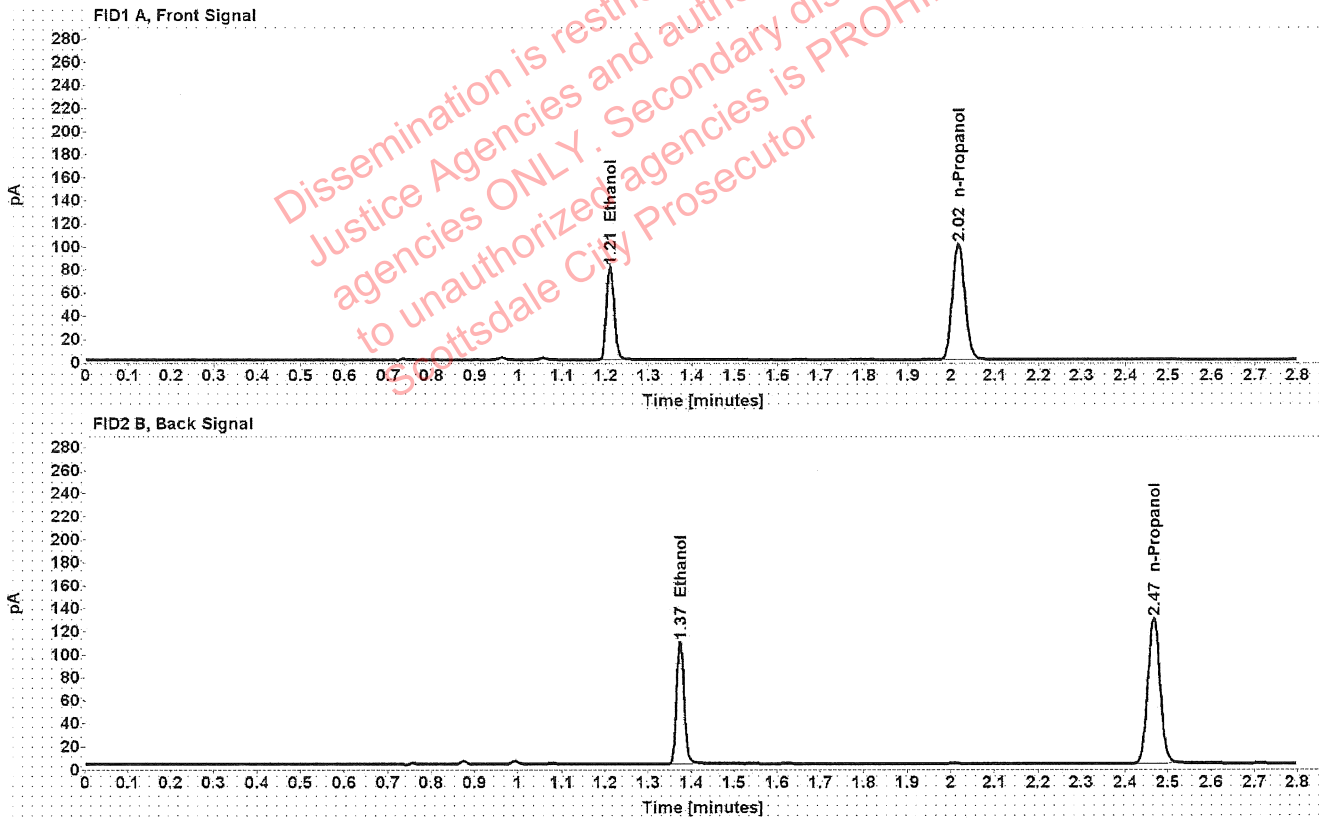


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1638	1.210	102.413
n-Propanol	-----	2.016	199.946

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.543
n-Propanol	2.467	253.451



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407719	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:44:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\14.D	Analyst:	Abbott

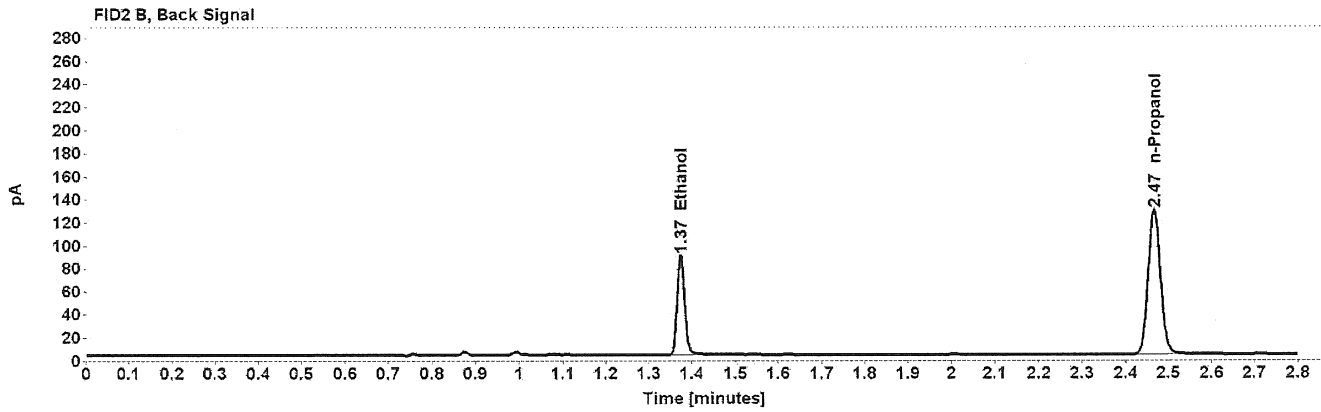
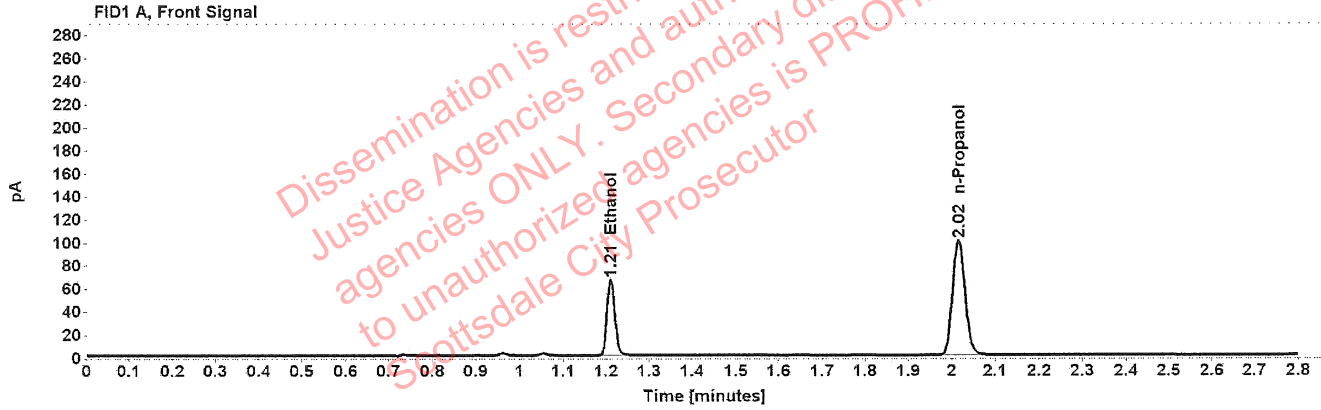


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1349	1.210	83.664
n-Propanol	-----	2.016	198.641

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

Compound	Time (min)	Peak Area
Ethanol	1.374	105.826
n-Propanol	2.467	252.026

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407719	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:48:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\15.D	Analyst:	Abbott

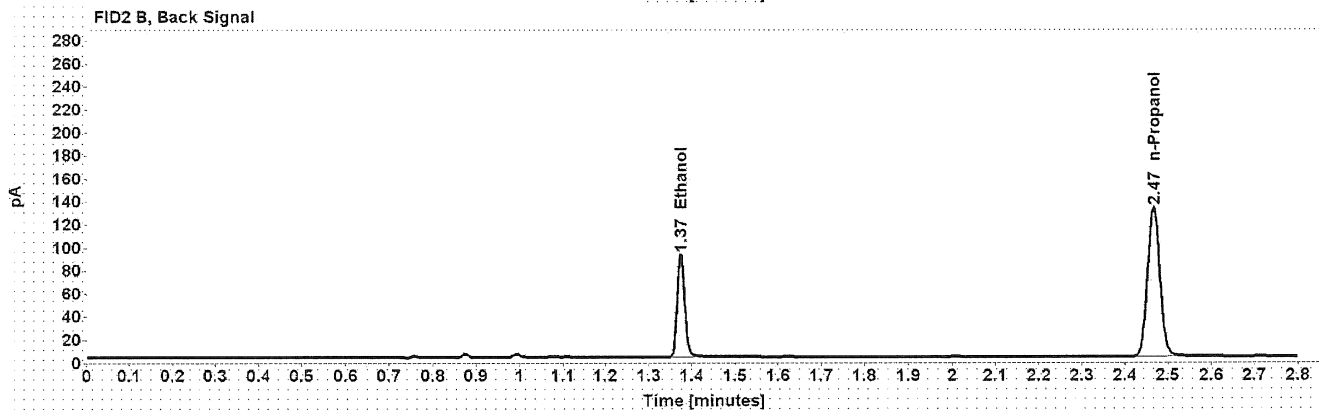
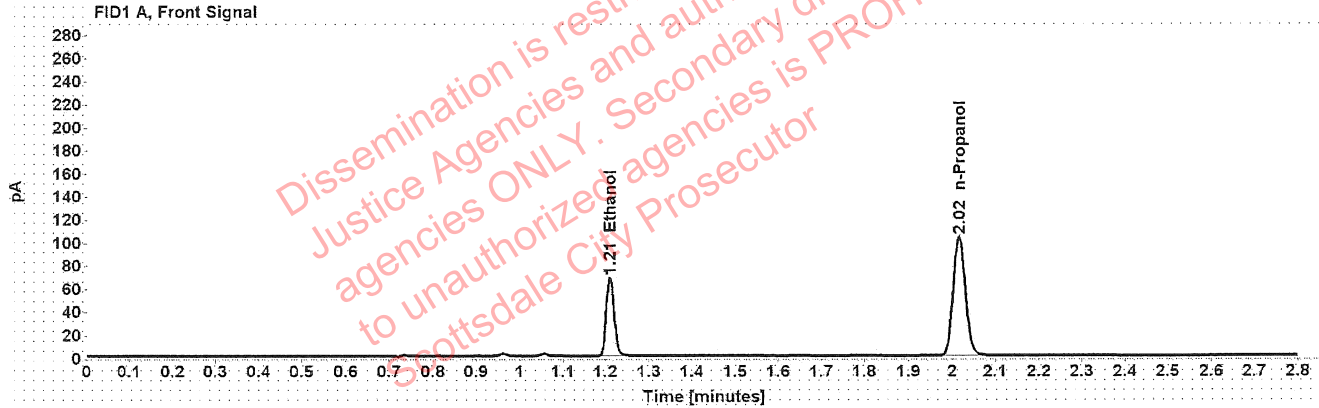


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1355	1.210	86.609
n-Propanol	-----	2.016	204.665

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

Compound	Time (min)	Peak Area
Ethanol	1.374	109.888
n-Propanol	2.467	259.660

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407743	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:52:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\16.D	Analyst:	Abbott

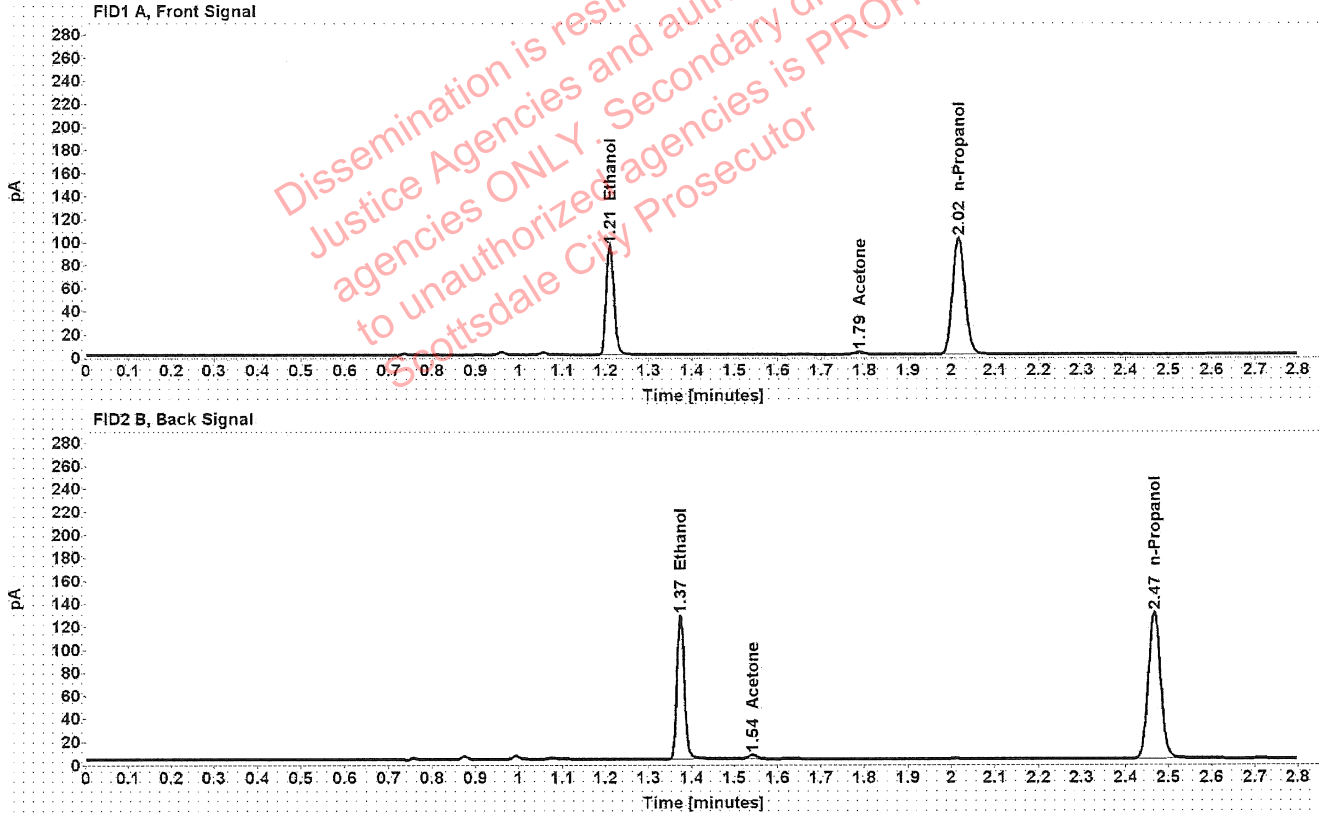


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1912	1.210	120.682
Acetone	-----	1.788	3.917
n-Propanol	-----	2.016	201.589

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

Compound	Time (min)	Peak Area
Ethanol	1.374	152.812
Acetone	1.542	4.791
n-Propanol	2.467	255.199

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407743	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 12:56:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\17.D	Analyst:	Abbott

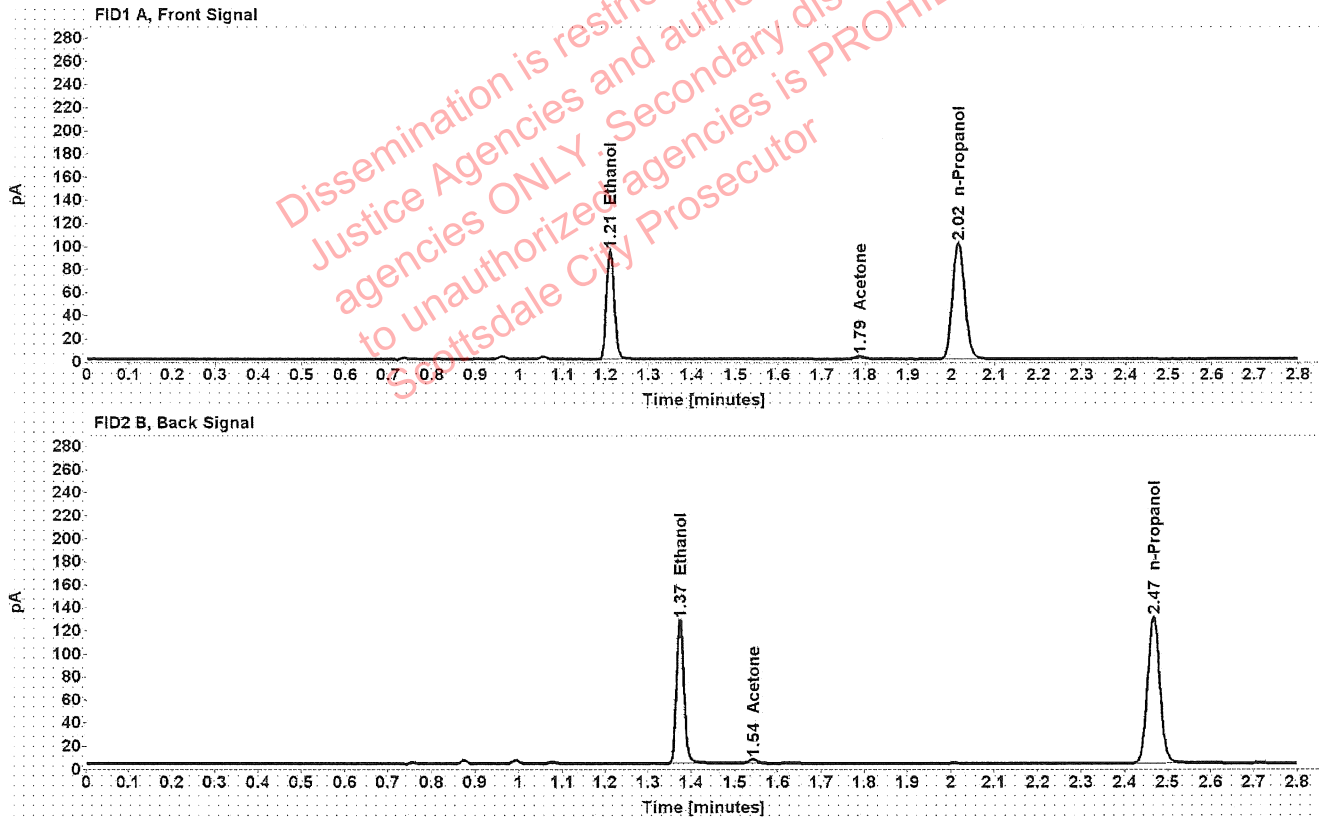


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1908	1.210	120.274
Acetone	-----	1.788	3.922
n-Propanol	-----	2.016	201.368

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

Compound	Time (min)	Peak Area
Ethanol	1.374	152.808
Acetone	1.543	4.802
n-Propanol	2.467	255.117

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408016	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:00:55 PM
Data file:	C:\Chem32\1\Data\15Feb22\18.D	Analyst:	Abbott

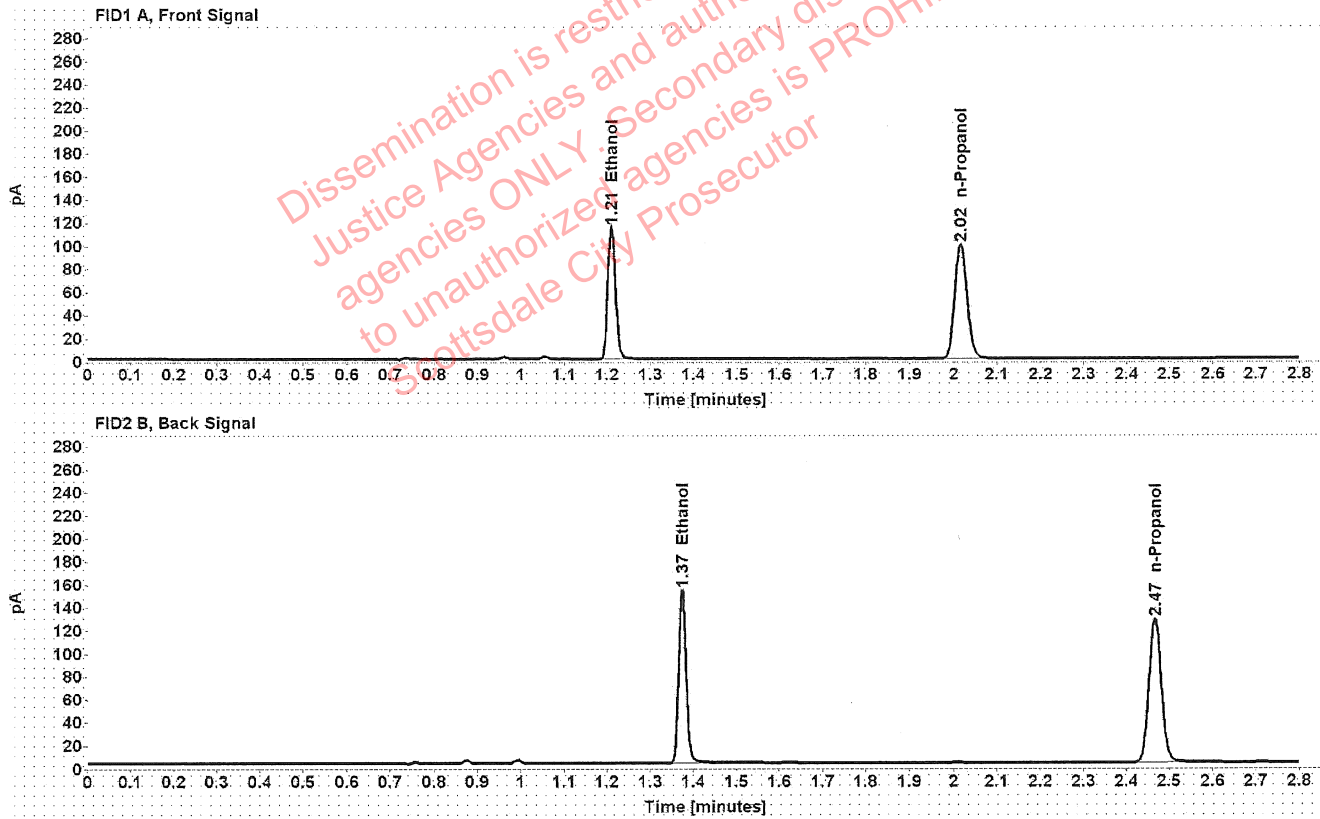


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2340	1.210	144.759
n-Propanol	-----	2.016	197.327

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

Compound	Time (min)	Peak Area
Ethanol	1.374	184.318
n-Propanol	2.467	250.467

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408016	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:05:09 PM
Data file:	C:\Chem32\1\Data\15Feb22\19.D	Analyst:	Abbott

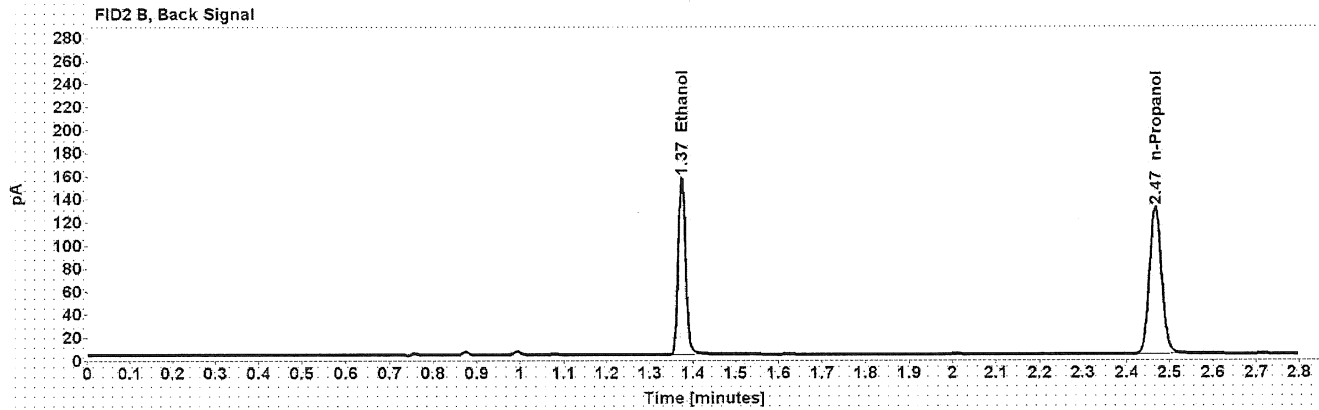
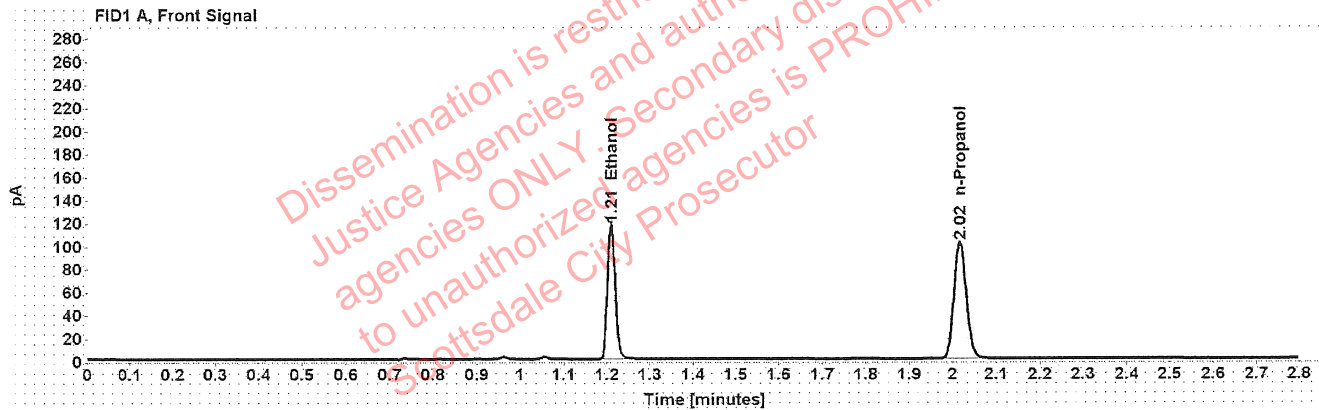


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2347	1.210	148.375
n-Propanol	-----	2.016	201.713

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

Compound	Time (min)	Peak Area
Ethanol	1.374	188.177
n-Propanol	2.467	255.817

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408420	Vial:	21
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:13:09 PM
Data file:	C:\Chem32\1\Data\15Feb22\21.D	Analyst:	Abbott

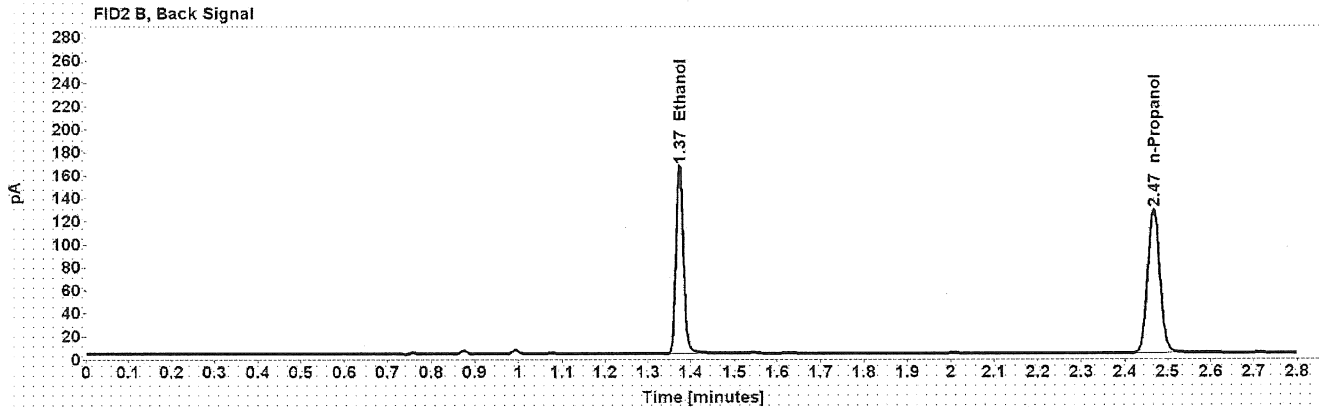
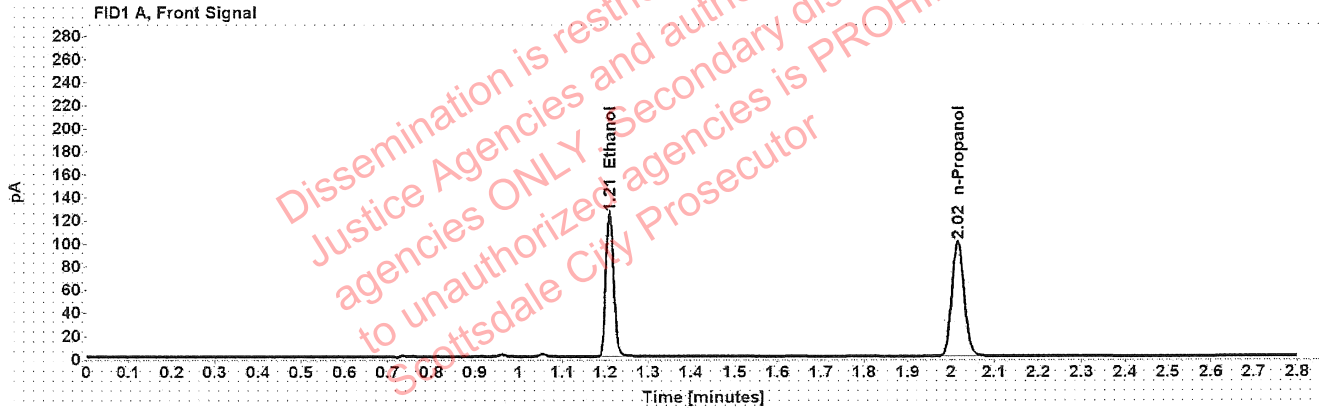


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2536	1.210	157.338
n-Propanol	-----	2.016	197.897

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

Compound	Time (min)	Peak Area
Ethanol	1.374	200.161
n-Propanol	2.467	251.060

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408420	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:17:09 PM
Data file:	C:\Chem32\1\Data\15Feb22\22.D	Analyst:	Abbott

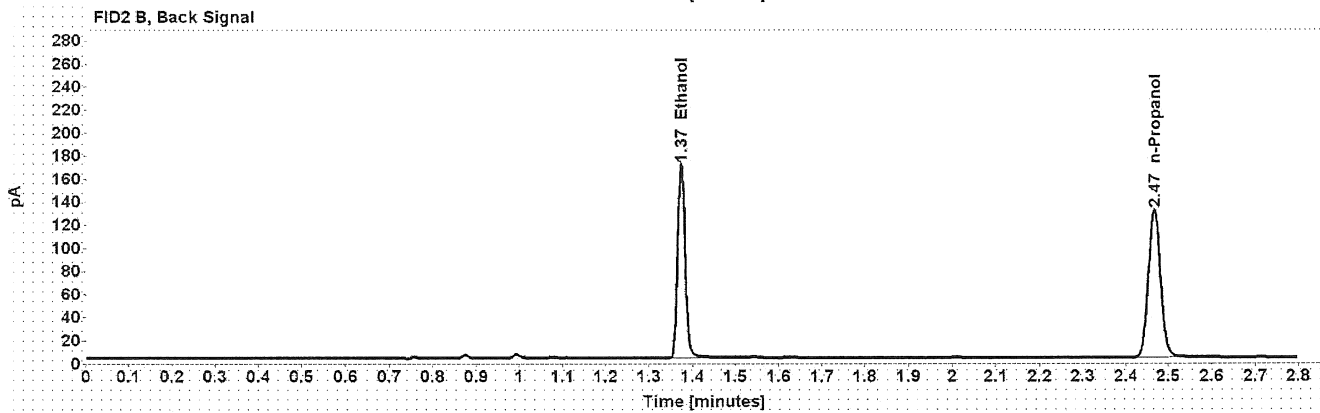
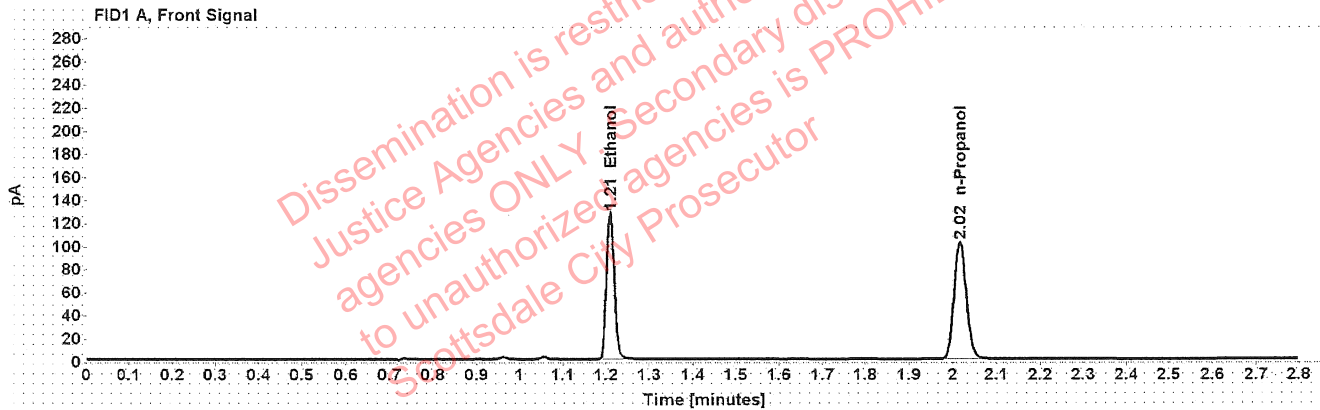


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2541	1.210	161.469
n-Propanol	-----	2.016	202.630

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

Compound	Time (min)	Peak Area
Ethanol	1.374	205.572
n-Propanol	2.467	257.091



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408453	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:21:10 PM
Data file:	C:\Chem32\1\Data\15Feb22\23.D	Analyst:	Abbott

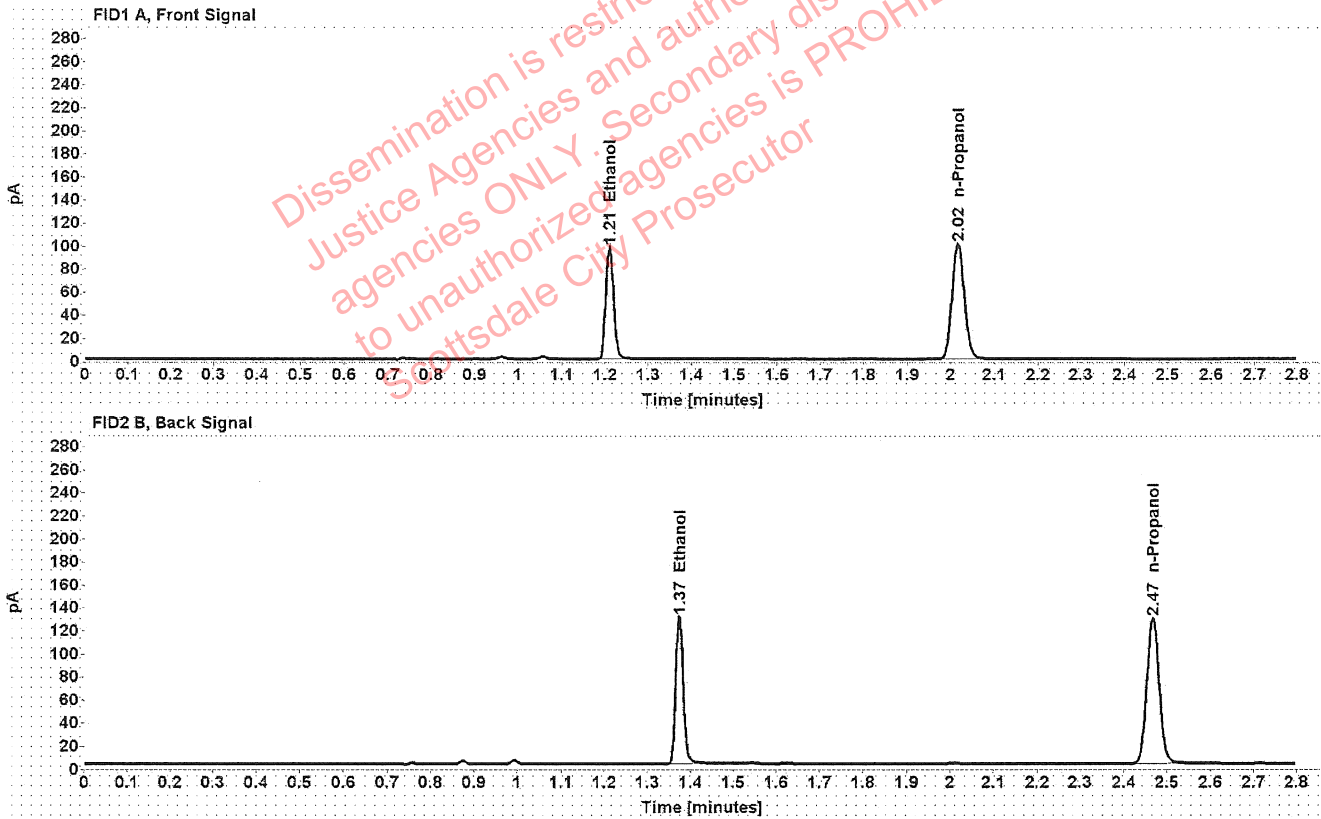


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1976	1.210	123.498
n-Propanol	-----	2.016	199.579

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

Compound	Time (min)	Peak Area
Ethanol	1.374	156.790
n-Propanol	2.467	253.265

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408453	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:25:11 PM
Data file:	C:\Chem32\1\Data\15Feb22\24.D	Analyst:	Abbott

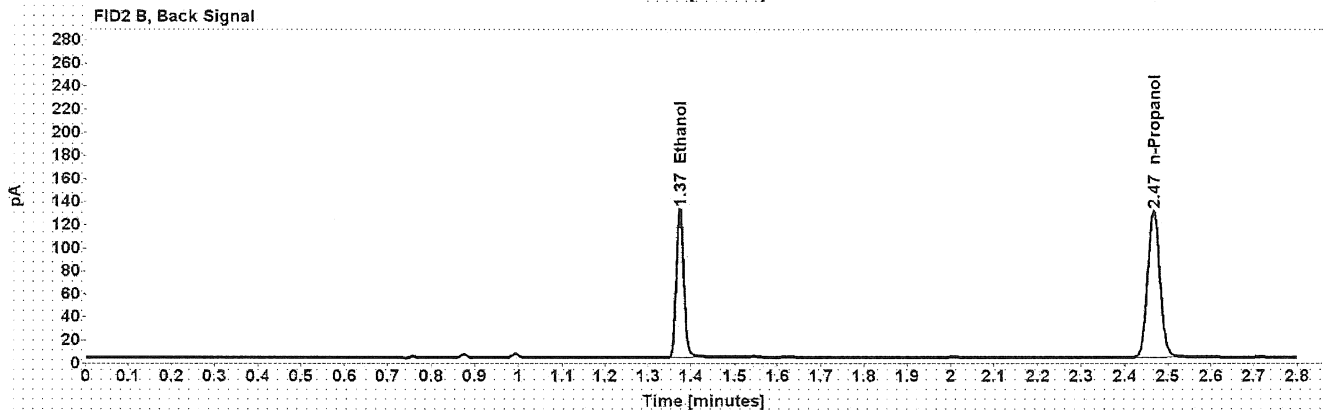
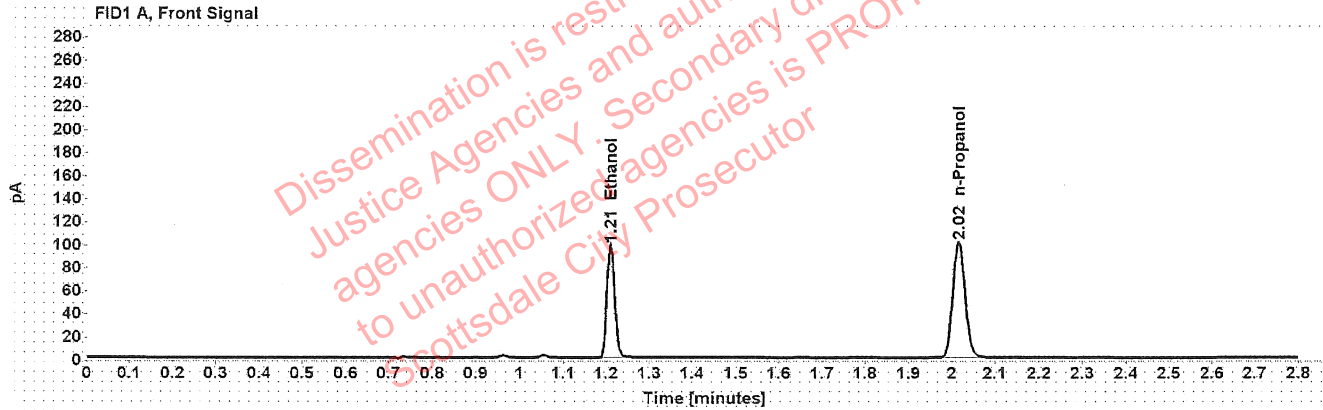


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1979	1.210	124.553
n-Propanol	-----	2.016	200.951

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

Compound	Time (min)	Peak Area
Ethanol	1.374	157.942
n-Propanol	2.467	255.132

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1383253	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:29:25 PM
Data file:	C:\Chem32\1\Data\15Feb22\25.D	Analyst:	Abbott

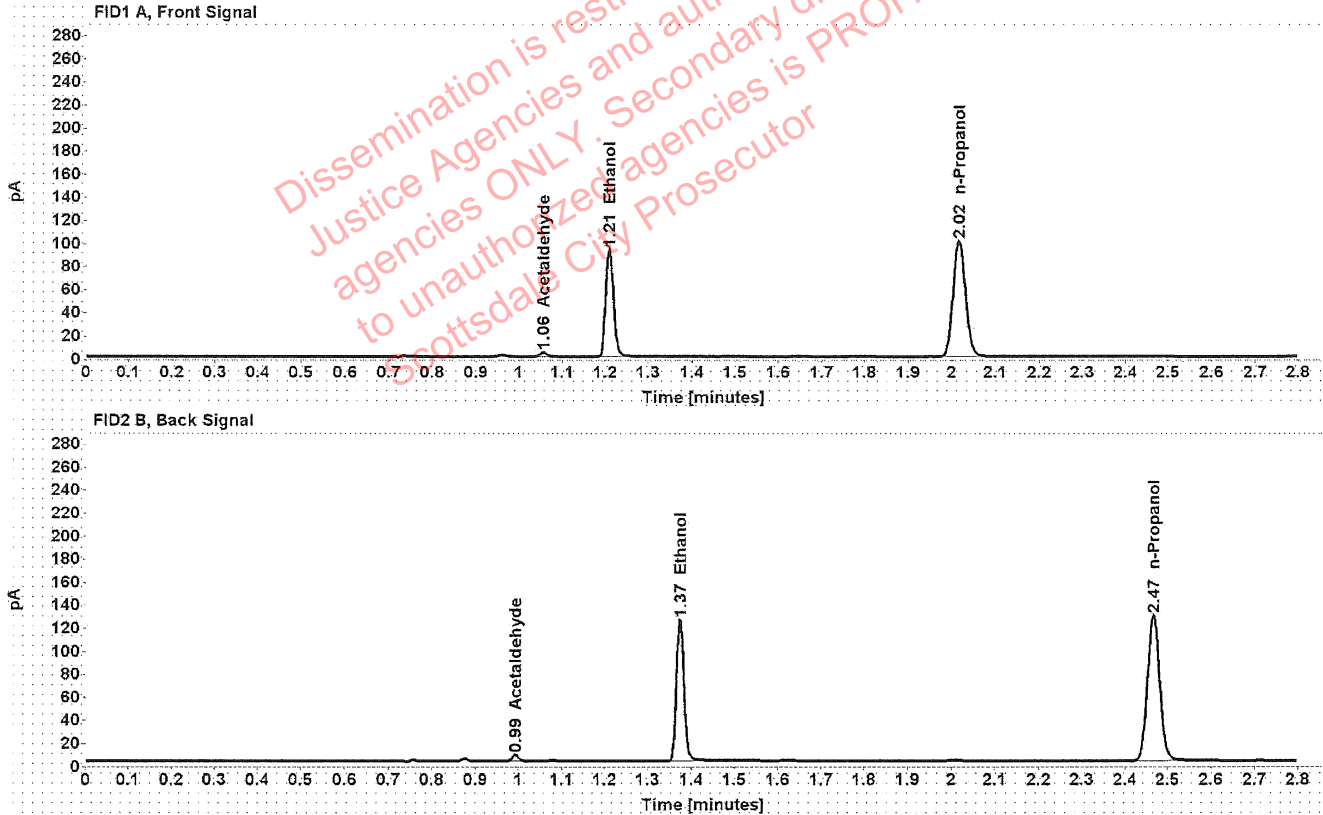


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.883
>Ethanol	0.1897	1.210	118.610
n-Propanol	-----	2.016	199.766

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.112
Ethanol	1.374	150.259
n-Propanol	2.467	253.882

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1383253	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:33:25 PM
Data file:	C:\Chem32\1\Data\15Feb22\26.D	Analyst:	Abbott

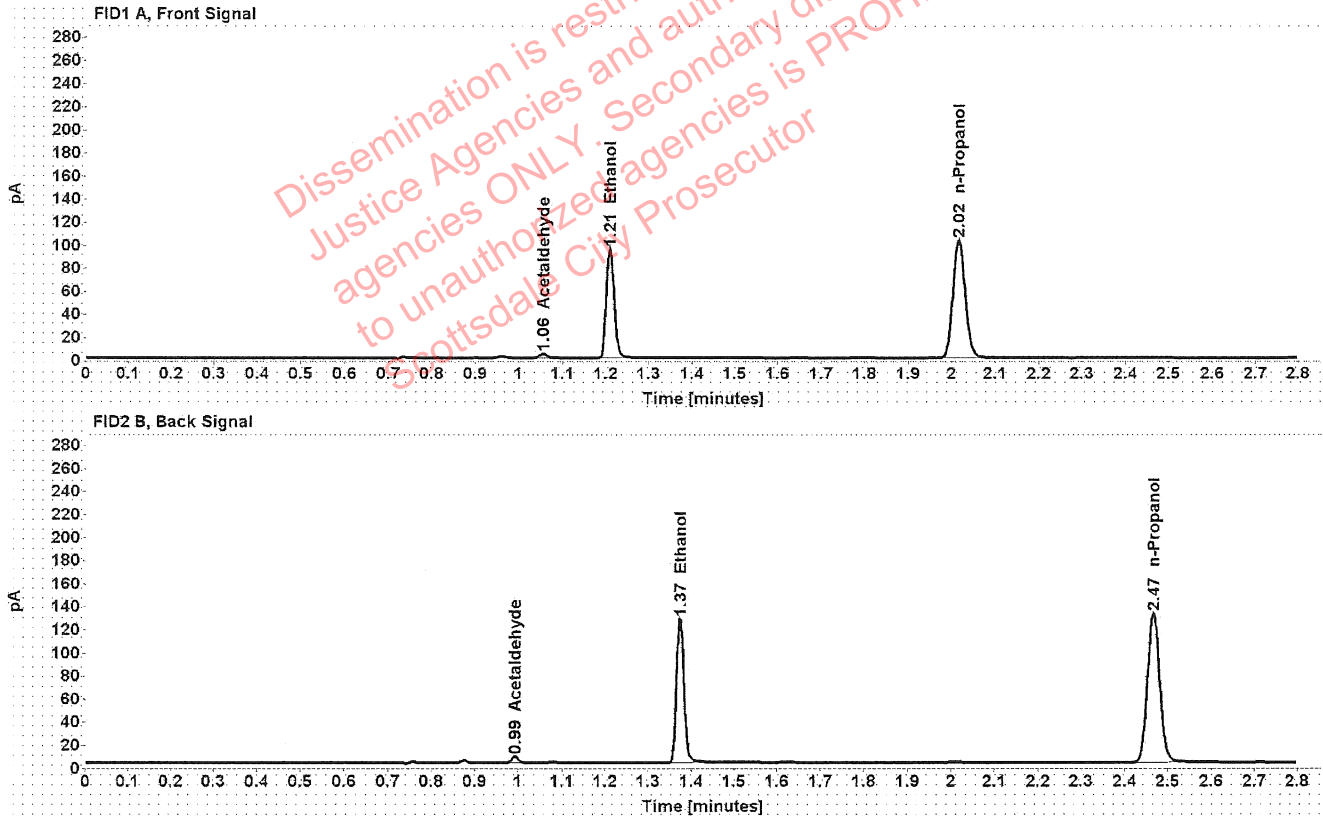


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.971
>Ethanol	0.1887	1.210	120.820
n-Propanol	-----	2.016	204.497

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.208
Ethanol	1.374	153.241
n-Propanol	2.467	259.918

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408624	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:37:24 PM
Data file:	C:\Chem32\1\Data\15Feb22\27.D	Analyst:	Abbott

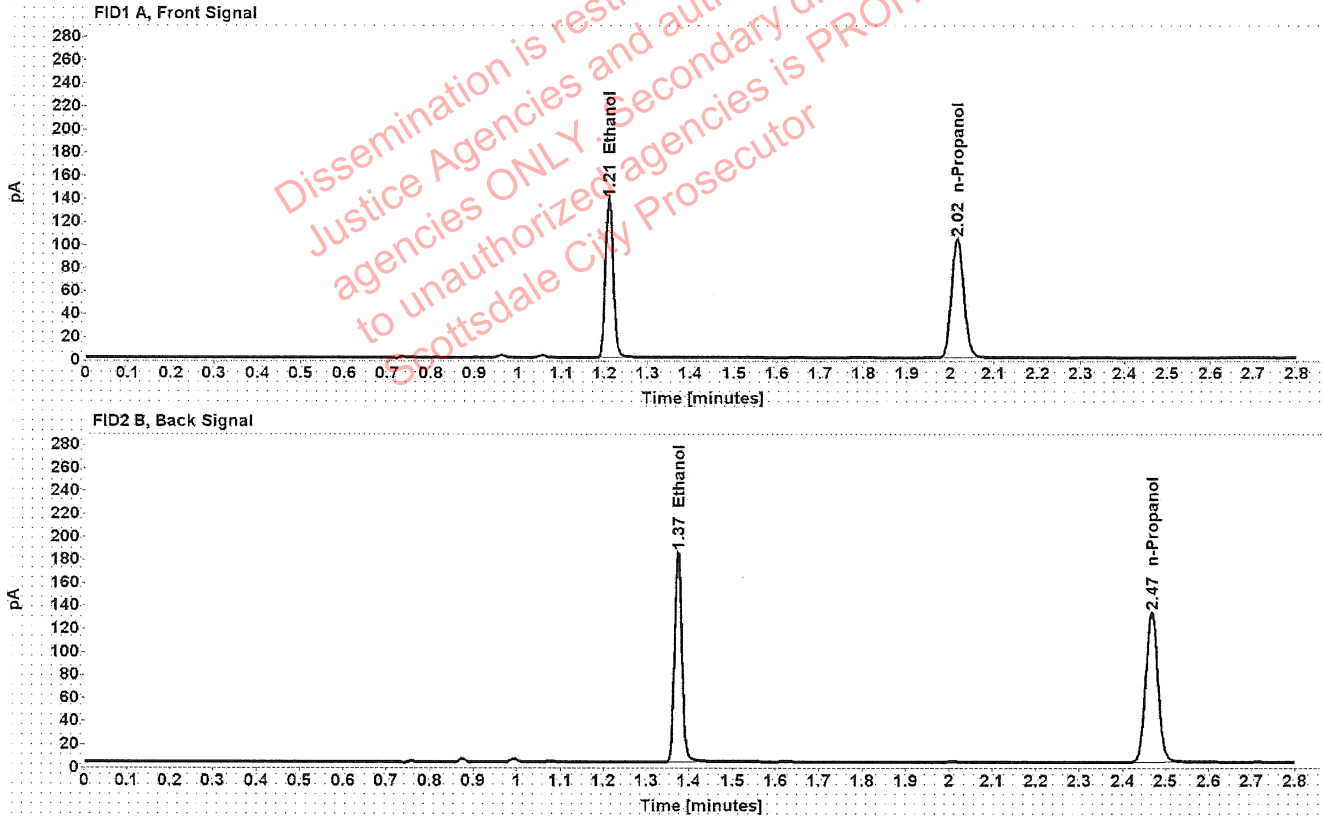


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2717	1.210	175.188
n-Propanol	-----	2.016	205.605

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

Compound	Time (min)	Peak Area
Ethanol	1.374	222.888
n-Propanol	2.467	260.722

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408624	Vial:	28
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:41:24 PM
Data file:	C:\Chem32\1\Data\15Feb22\28.D	Analyst:	Abbott

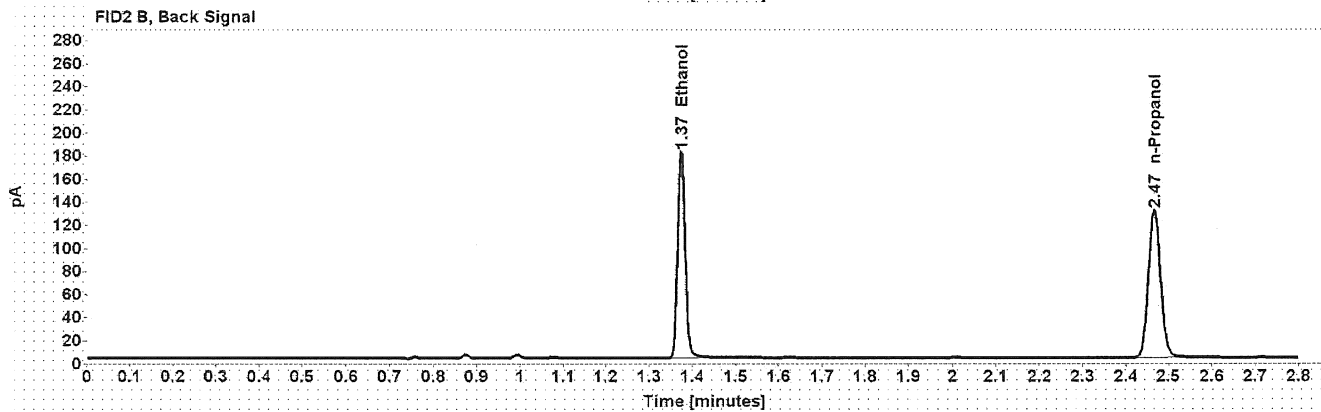
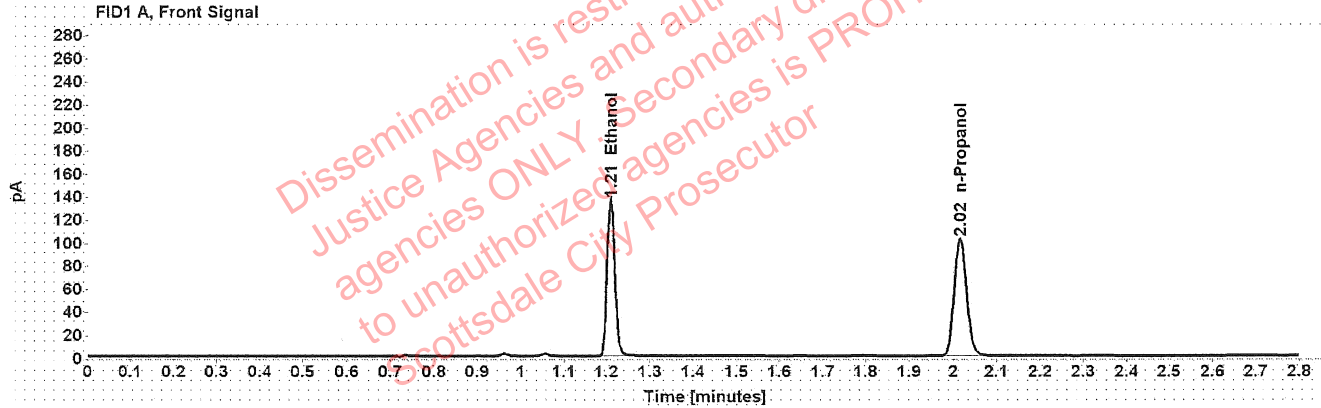


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2710	1.210	172.069
n-Propanol	-----	2.016	202.457

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

Compound	Time (min)	Peak Area
Ethanol	1.374	218.822
n-Propanol	2.467	256.551

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408791	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:45:24 PM
Data file:	C:\Chem32\1\Data\15Feb22\29.D	Analyst:	Abbott

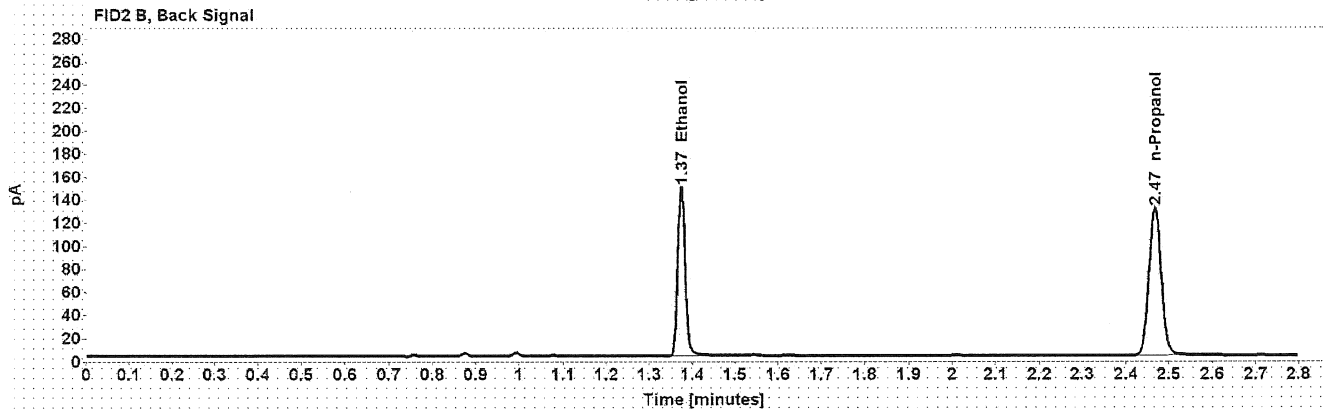
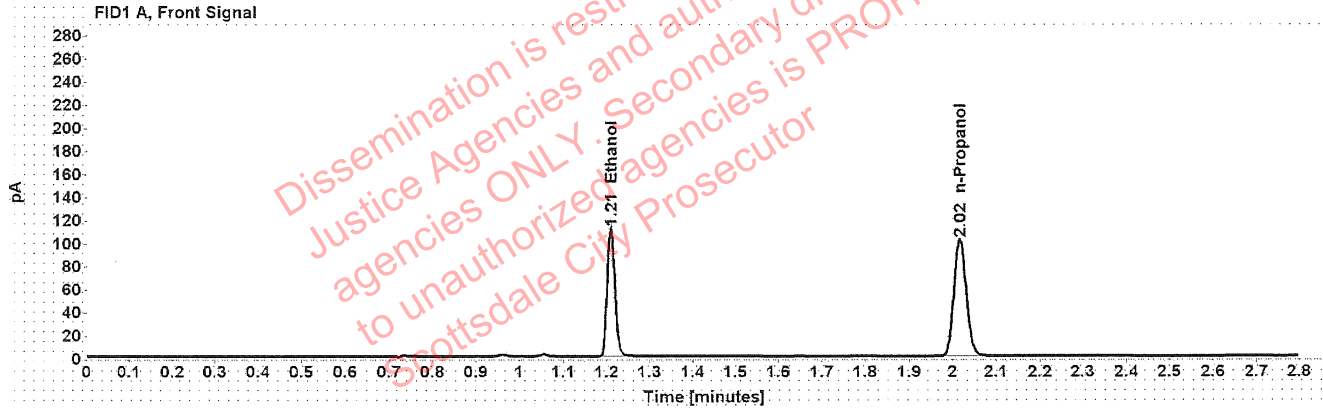


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2228	1.210	141.234
n-Propanol	-----	2.016	202.251

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

Compound	Time (min)	Peak Area
Ethanol	1.374	179.790
n-Propanol	2.467	256.664

[REDACTED] : Abbott, Lori - (15-Feb-2022)

Case: [REDACTED] User: LAbbott 2/15/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408791	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:49:24 PM
Data file:	C:\Chem32\1\Data\15Feb22\30.D	Analyst:	Abbott

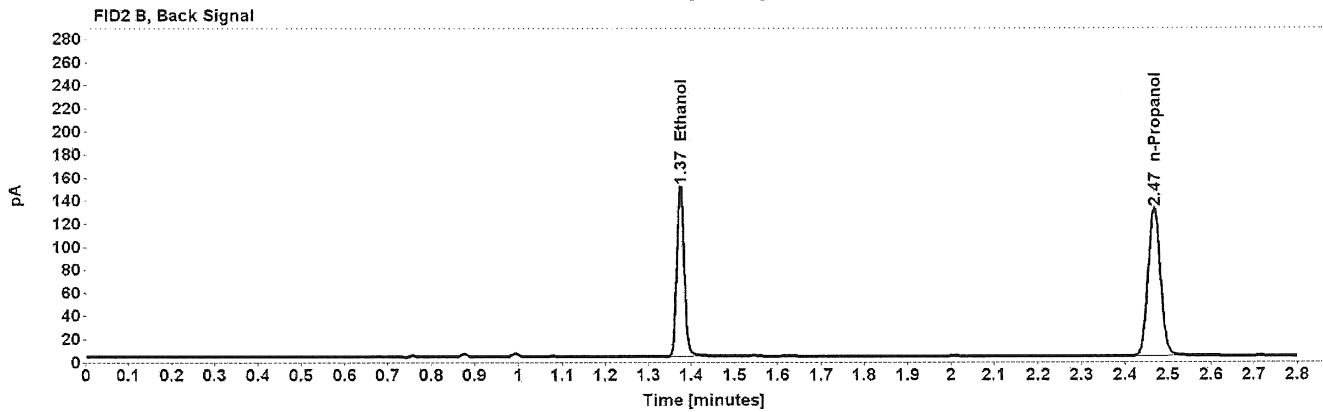
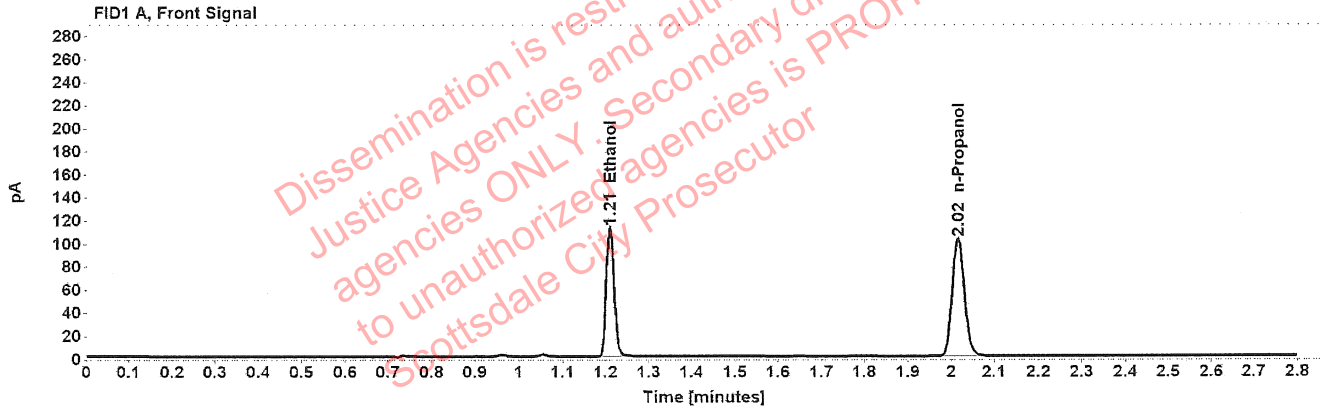


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2233	1.210	142.075
n-Propanol	-----	2.016	203.081

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

Compound	Time (min)	Peak Area
Ethanol	1.374	180.387
n-Propanol	2.467	257.715



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408848	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 1:57:39 PM
Data file:	C:\Chem32\1\Data\15Feb22\32.D	Analyst:	Abbott

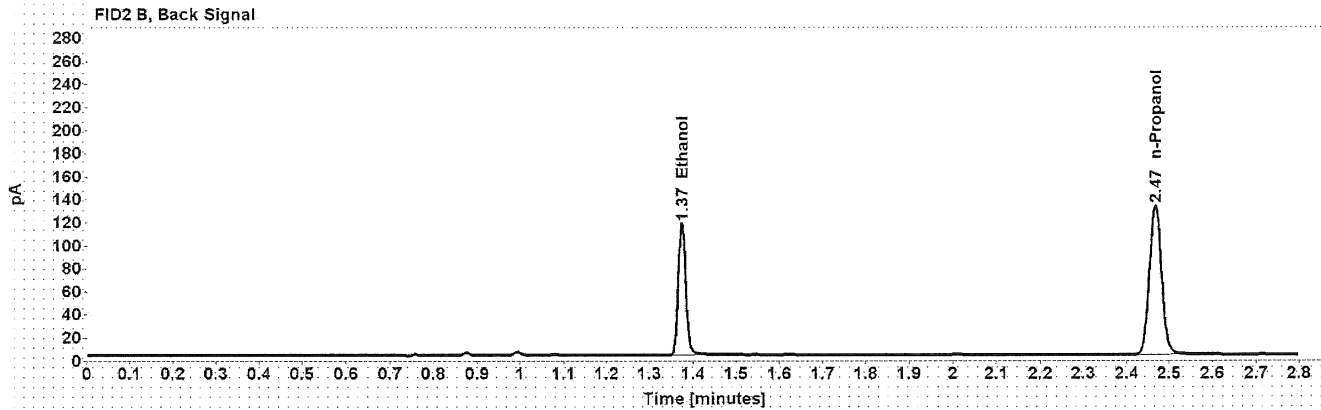
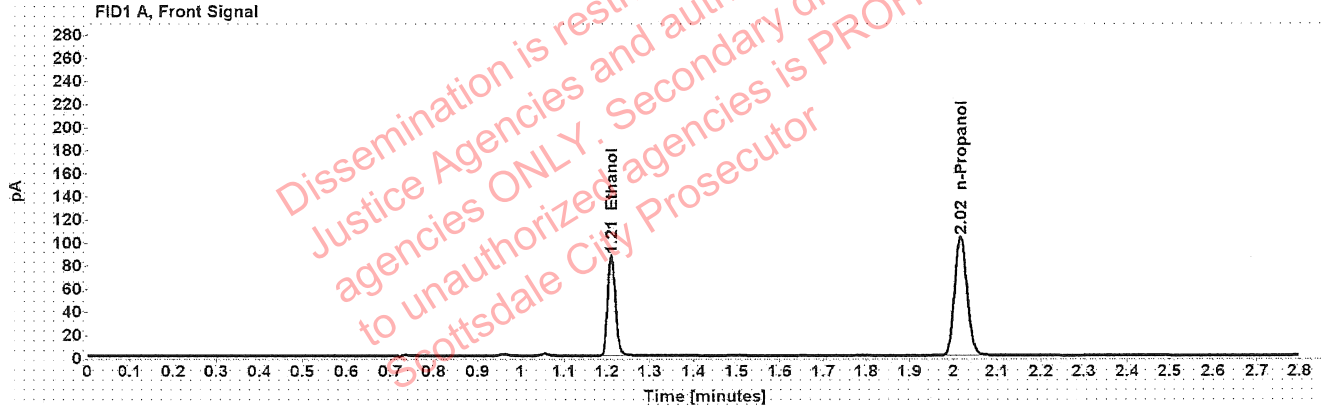


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1721	1.210	110.470
n-Propanol	-----	2.016	205.152

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

Compound	Time (min)	Peak Area
Ethanol	1.374	140.002
n-Propanol	2.467	260.490

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408848	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:01:39 PM
Data file:	C:\Chem32\1\Data\15Feb22\33.D	Analyst:	Abbott

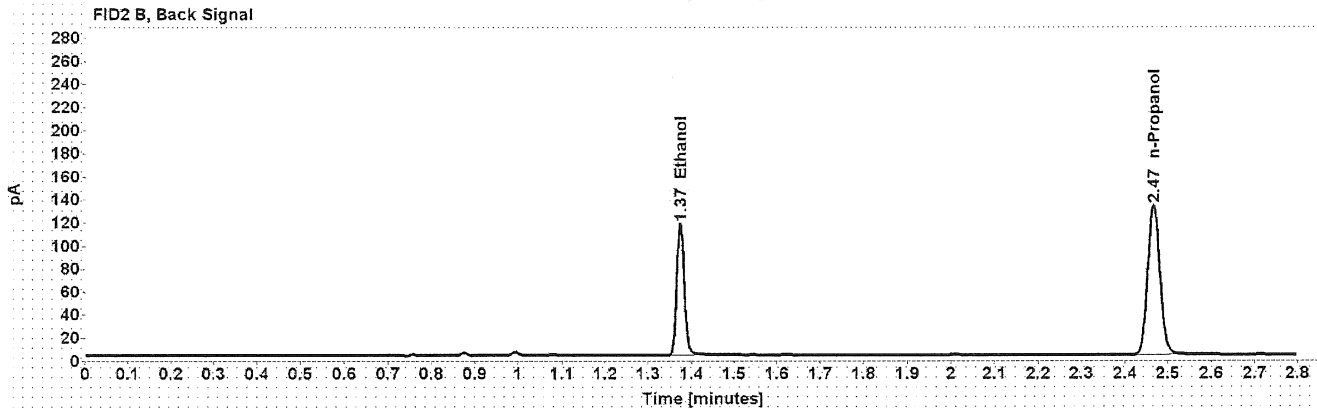
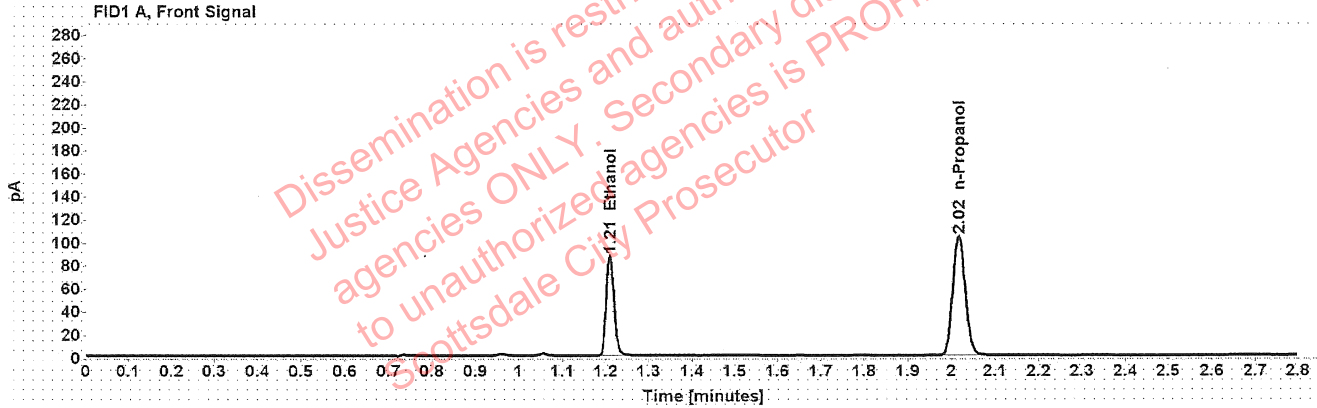


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1715	1.210	110.517
n-Propanol	-----	2.016	205.927

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

Compound	Time (min)	Peak Area
Ethanol	1.374	140.171
n-Propanol	2.467	261.521

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409018	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:05:40 PM
Data file:	C:\Chem32\1\Data\15Feb22\34.D	Analyst:	Abbott

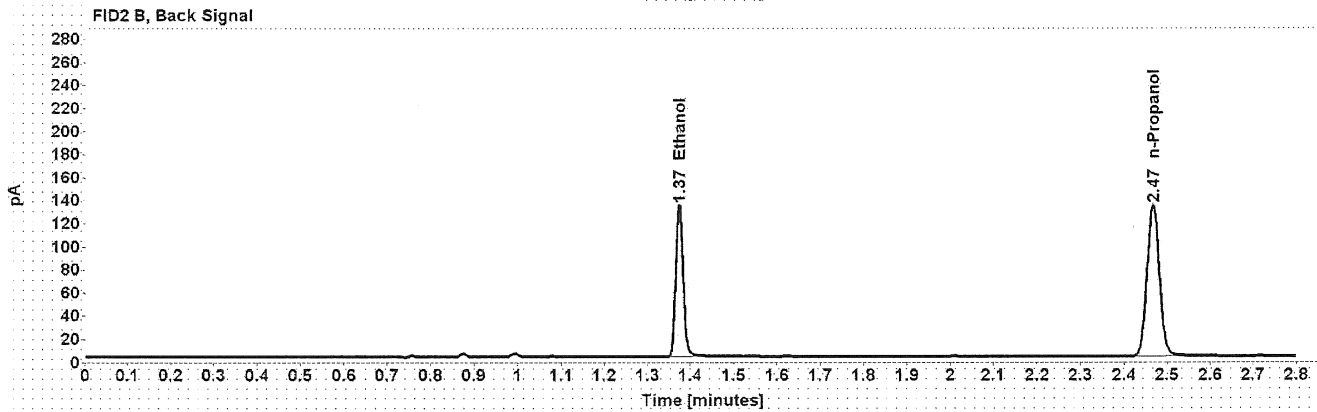
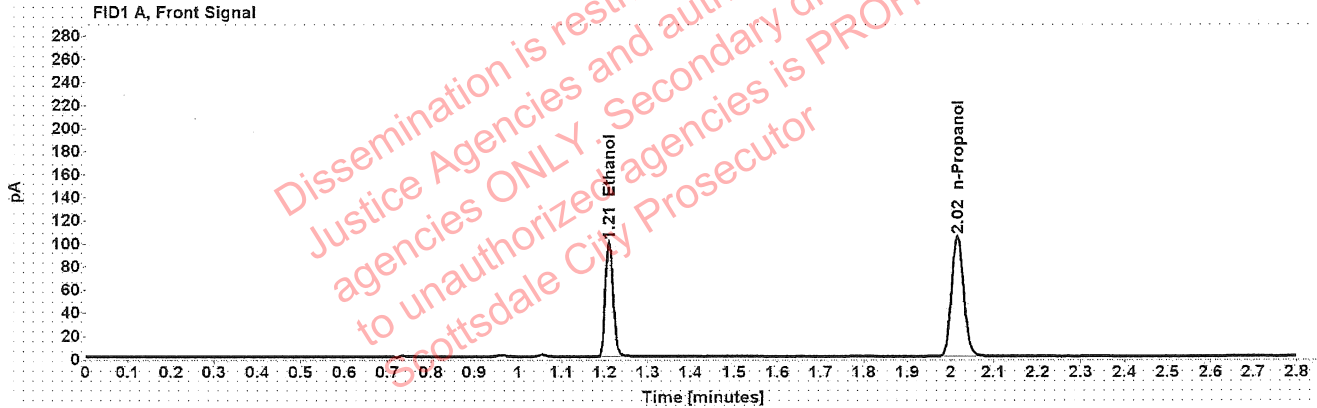


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1956	1.210	126.471
n-Propanol	-----	2.016	206.509

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.534
n-Propanol	2.467	262.154

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409018	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:09:39 PM
Data file:	C:\Chem32\1\Data\15Feb22\35.D	Analyst:	Abbott

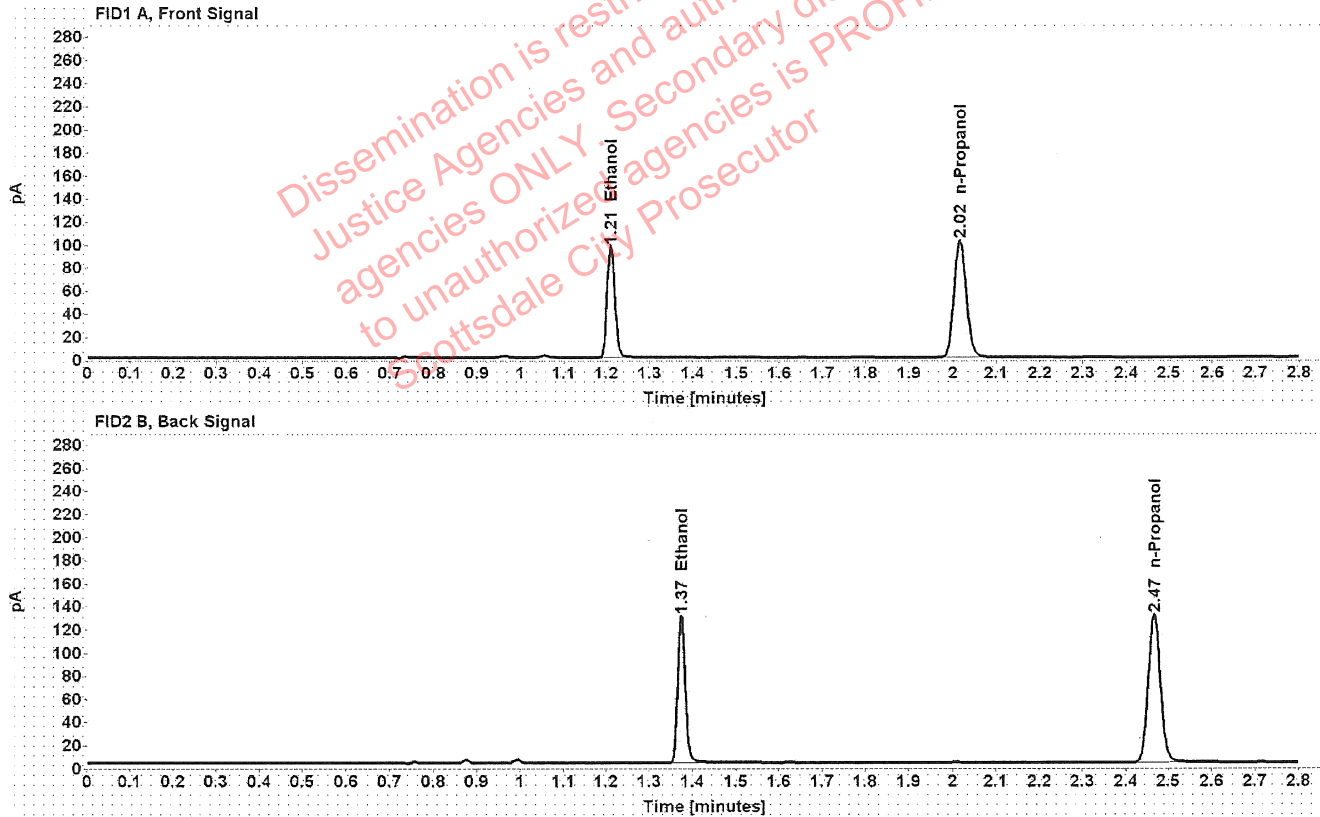


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1934	1.210	122.700
n-Propanol	-----	2.016	202.579

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

Compound	Time (min)	Peak Area
Ethanol	1.374	156.196
n-Propanol	2.467	257.210

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408784	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:13:40 PM
Data file:	C:\Chem32\1\Data\15Feb22\36.D	Analyst:	Abbott

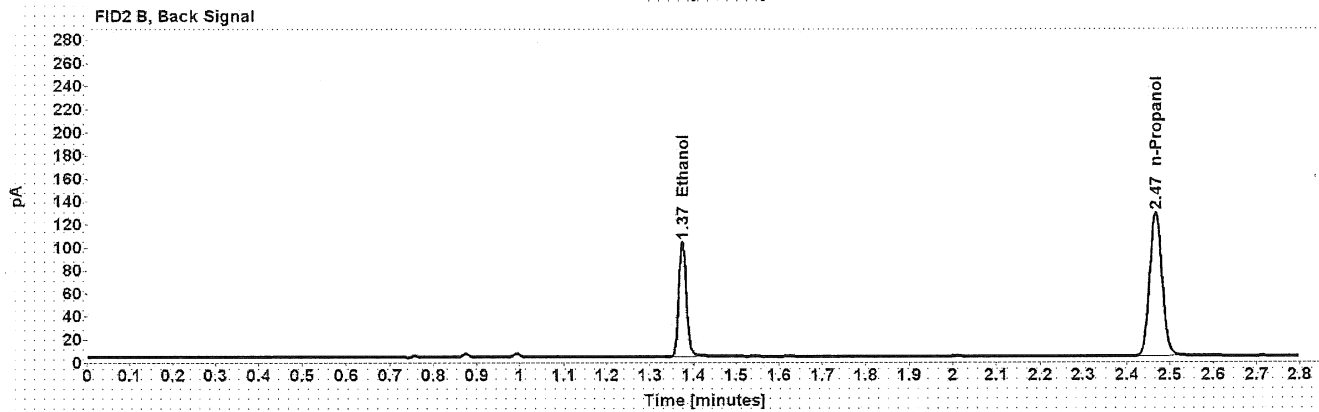
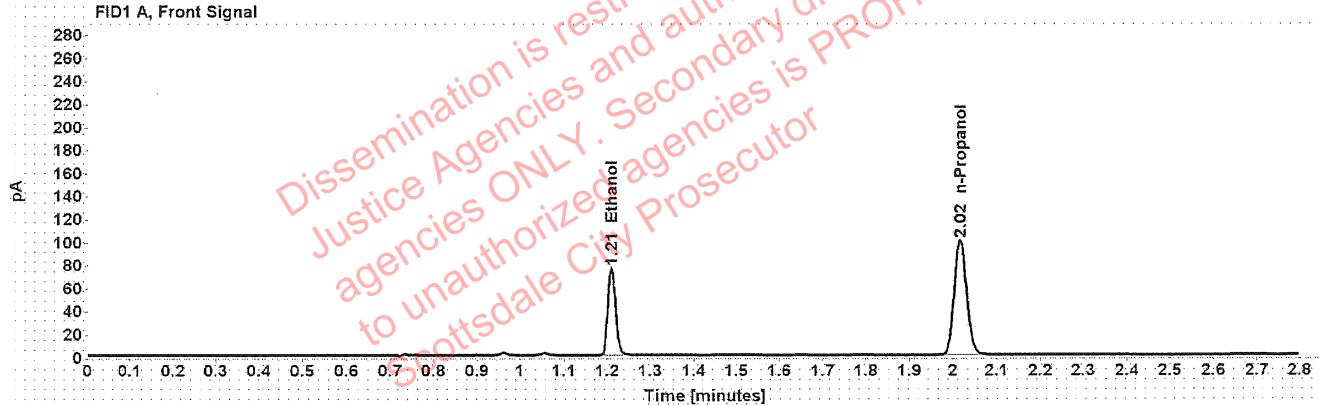


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1559	1.210	96.840
n-Propanol	-----	2.016	198.694

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

Compound	Time (min)	Peak Area
Ethanol	1.374	122.830
n-Propanol	2.467	251.909

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408784	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:17:55 PM
Data file:	C:\Chem32\1\Data\15Feb22\37.D	Analyst:	Abbott

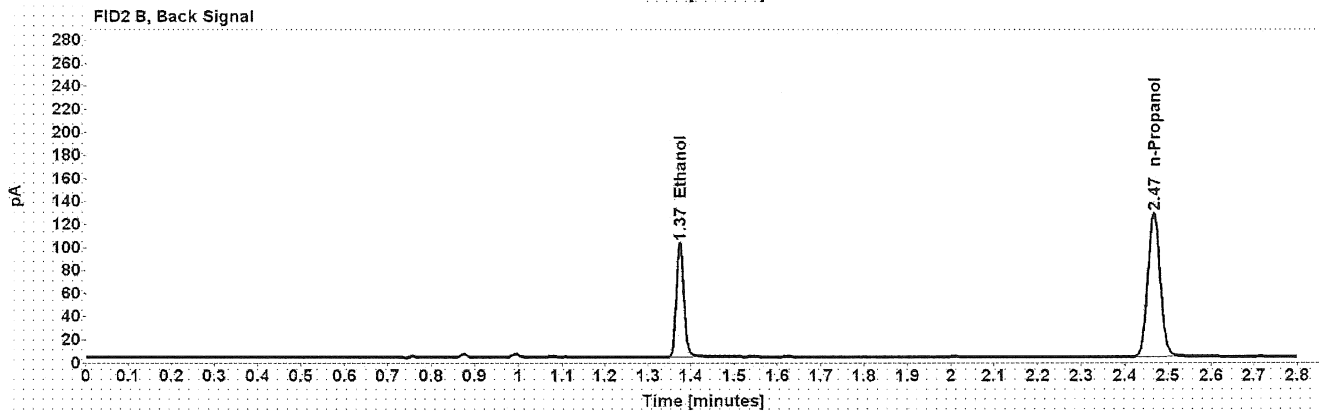
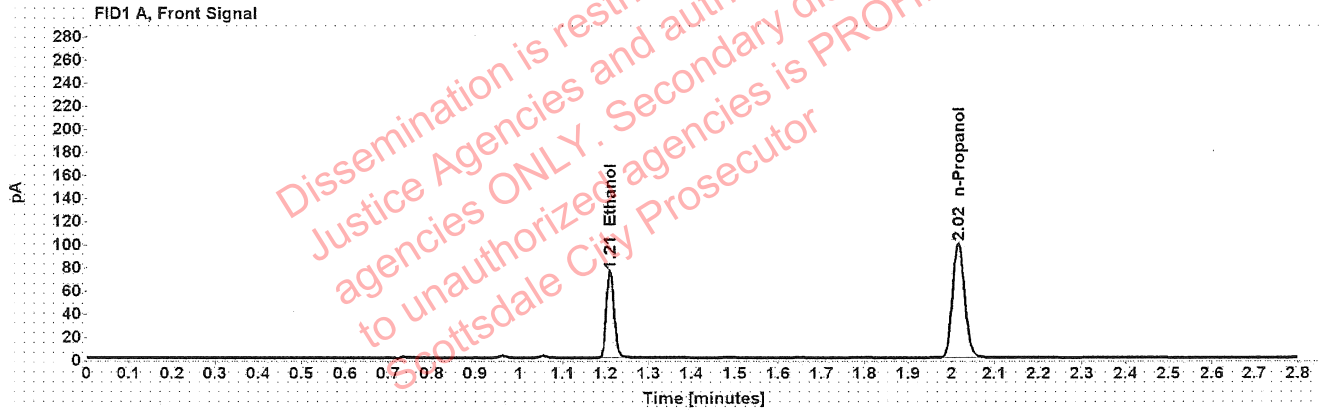


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1552	1.210	95.754
n-Propanol	-----	2.016	197.334

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

Compound	Time (min)	Peak Area
Ethanol	1.374	121.326
n-Propanol	2.467	249.884

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408868	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:21:56 PM
Data file:	C:\Chem32\1\Data\15Feb22\38.D	Analyst:	Abbott

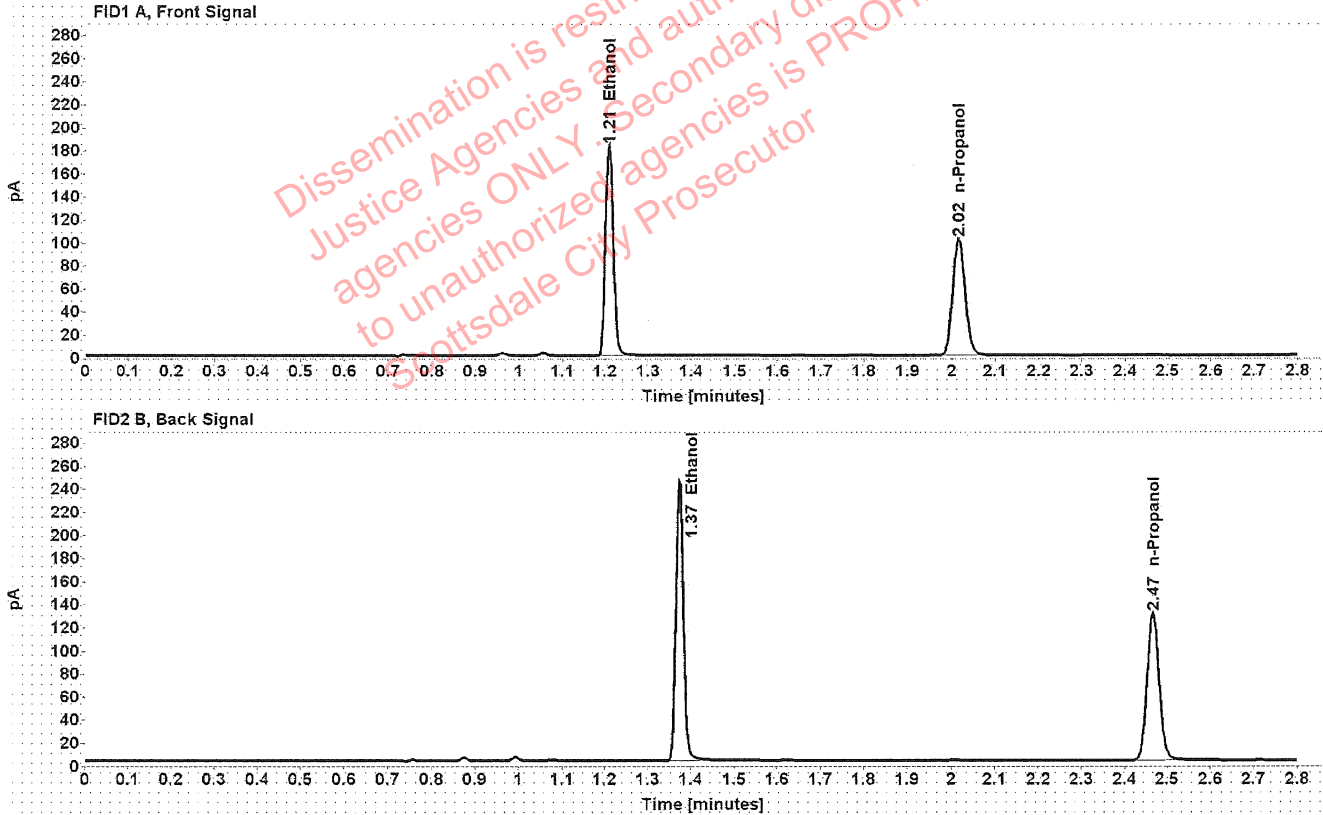


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3660	1.210	232.029
n-Propanol	-----	2.016	201.916

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

Compound	Time (min)	Peak Area
Ethanol	1.374	295.320
n-Propanol	2.467	255.870

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408868	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/15/2022 2:25:54 PM
Data file:	C:\Chem32\1\Data\15Feb22\39.D	Analyst:	Abbott

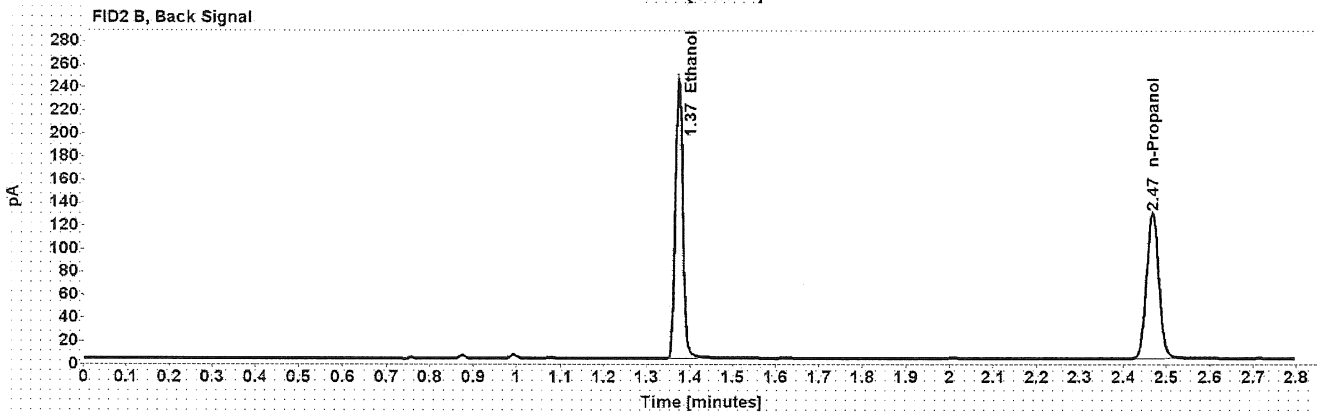
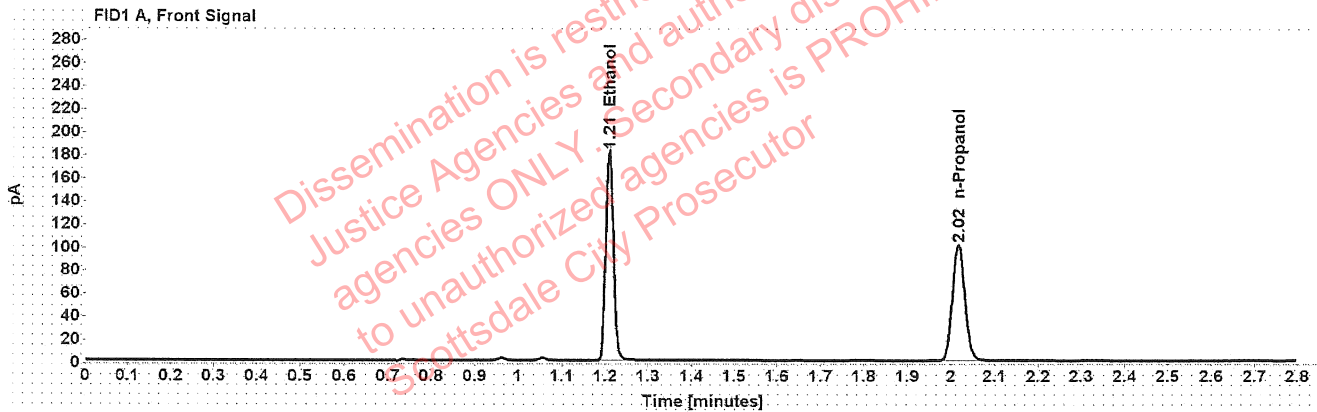


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3668	1.210	230.981
n-Propanol	-----	2.016	200.557

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

Compound	Time (min)	Peak Area
Ethanol	1.374	294.077
n-Propanol	2.467	254.123