

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 1/25/22 SEQUENCE NAME 25Jan22

**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 0.99993  
 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 100421AQ
6	Volatiles mix	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	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/2
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	0.399 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/2
45	Blank	Not detected	Not detected	SPD Lab 101921WB

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

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

Run valid  Run invalid  Philia B... Analyst  
 Run valid  Run invalid  [Signature] Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

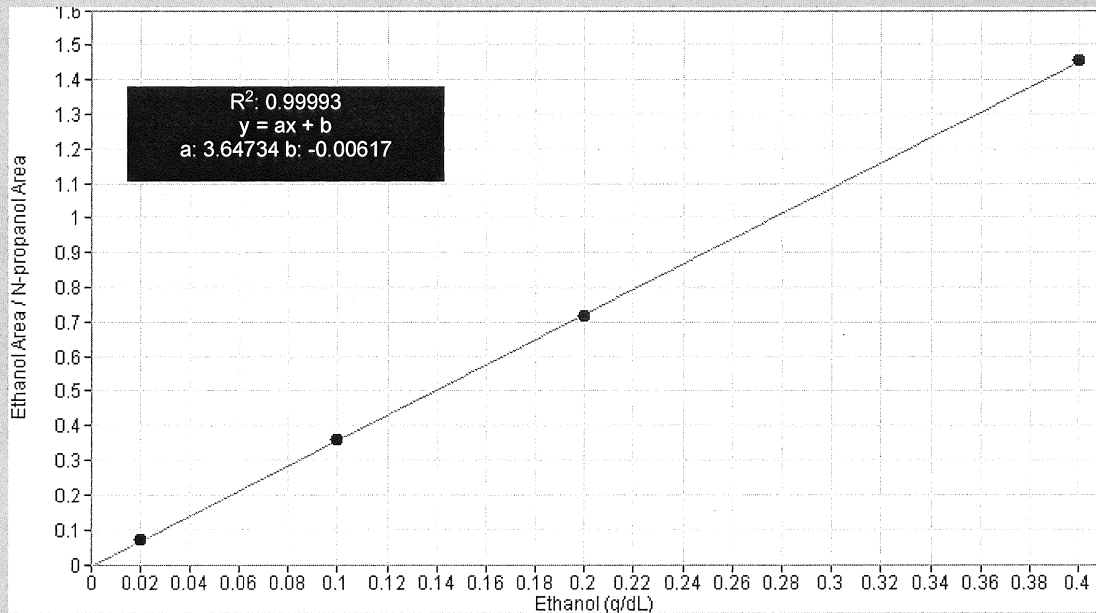
SEQUENCE NAME: 25Jan22

ANALYST: Brooke <sup>78</sup>

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 100421AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.401	0.400	0.25	0.001
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/2	9	0.203	0.199	2.01	0.004
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 11092018-A	42	0.399	0.400	0.25	-0.001
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 4110320133/2	44	0.201	0.199	1.01	0.002
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.772	167.795	0.070
0.100	60.666	168.940	0.359
0.200	120.563	168.363	0.716
0.400	243.942	167.535	1.456

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06141806	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 25Jan22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 1/25/2022 10:31:02 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">YB</span>
<b>Data file:</b> C:\Chem32\1\Data\25Jan22\1.D	

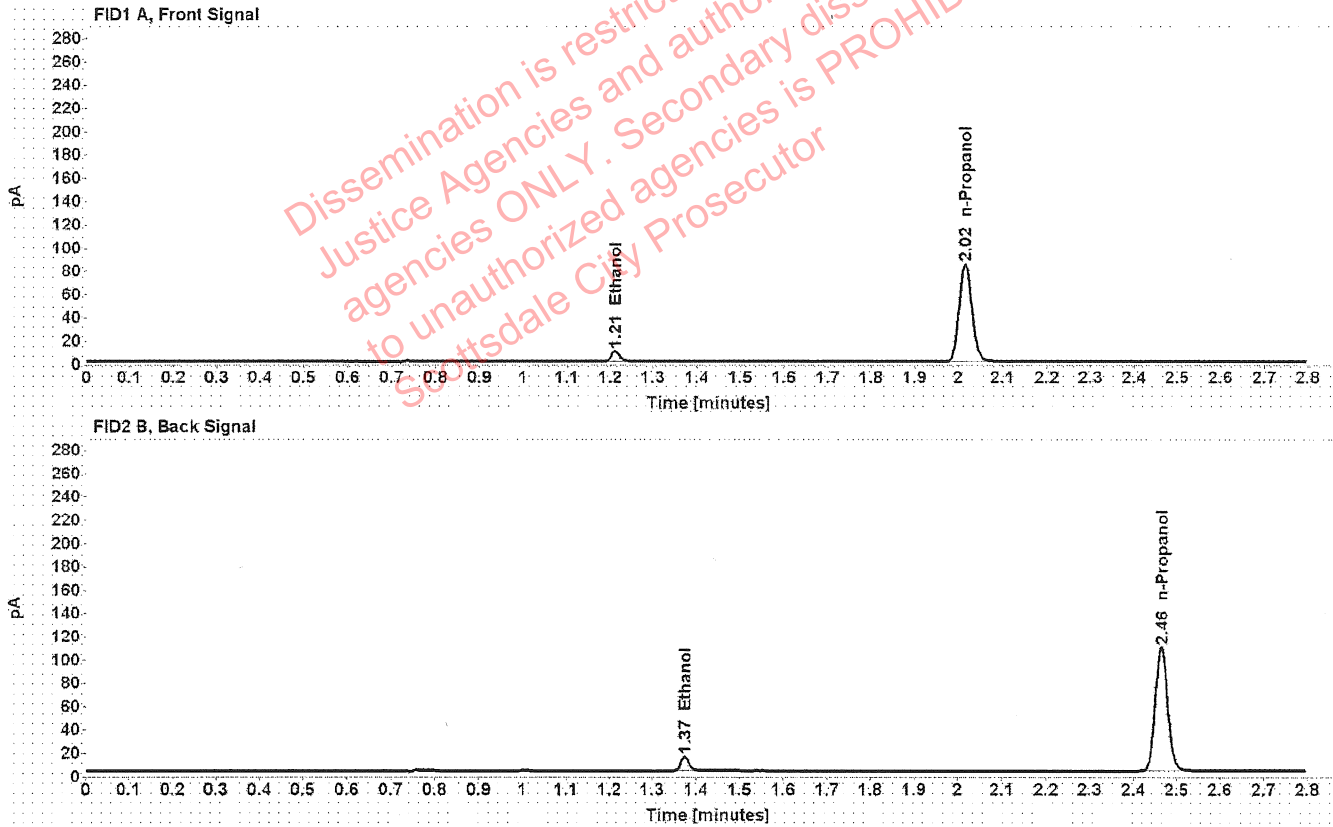


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.772
n-Propanol	2.015	167.795

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

Compound	Time (min)	Peak Area
Ethanol	1.374	14.863
n-Propanol	2.465	213.219

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 25Jan22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 1/25/2022 10:35:03 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">TB</span>
<b>Data file:</b> C:\Chem32\1\Data\25Jan22\2.D	

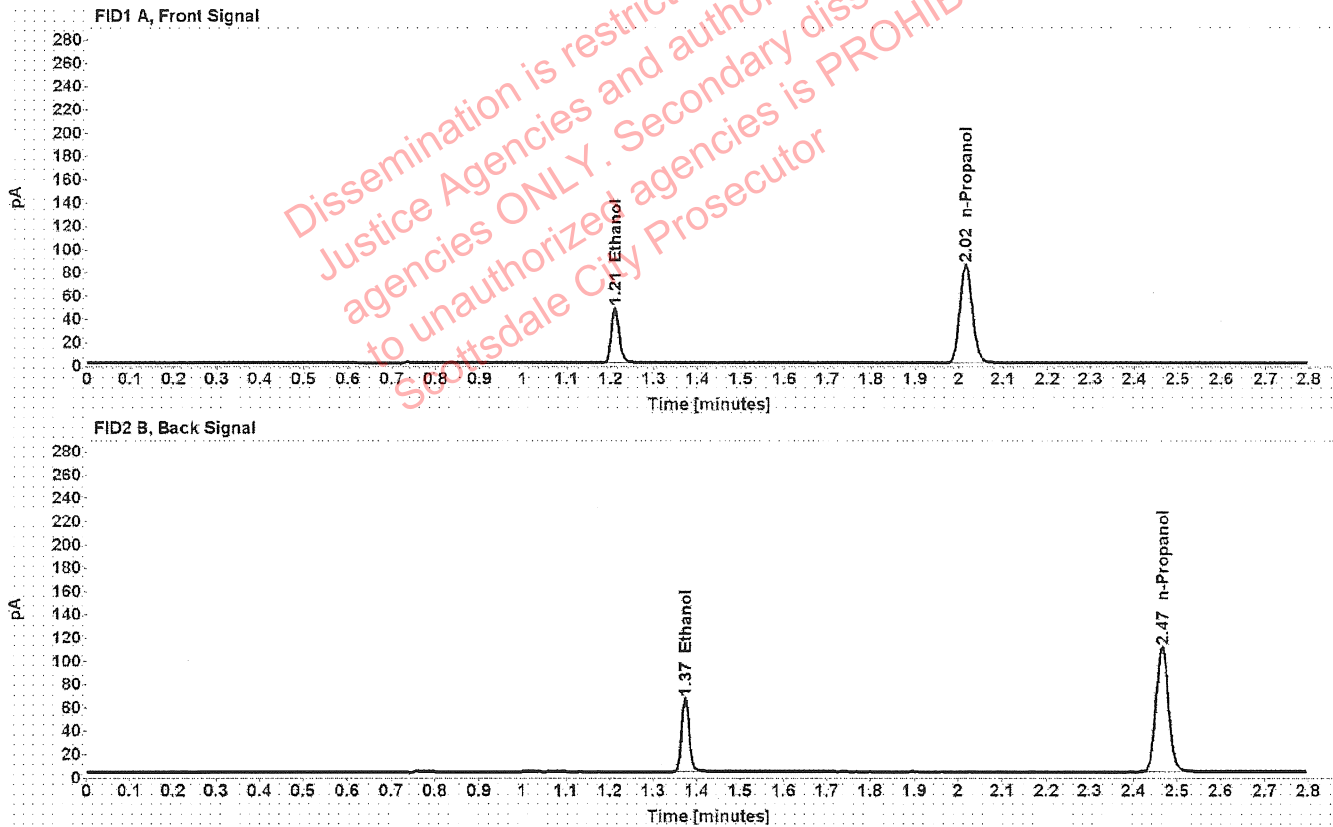


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.666
n-Propanol	2.016	168.940

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

Compound	Time (min)	Peak Area
Ethanol	1.373	77.097
n-Propanol	2.466	214.625

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05101903	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 25Jan22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 1/25/2022 10:39:02 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>RB</i>
<b>Data file:</b> C:\Chem32\1\Data\25Jan22\3.D	

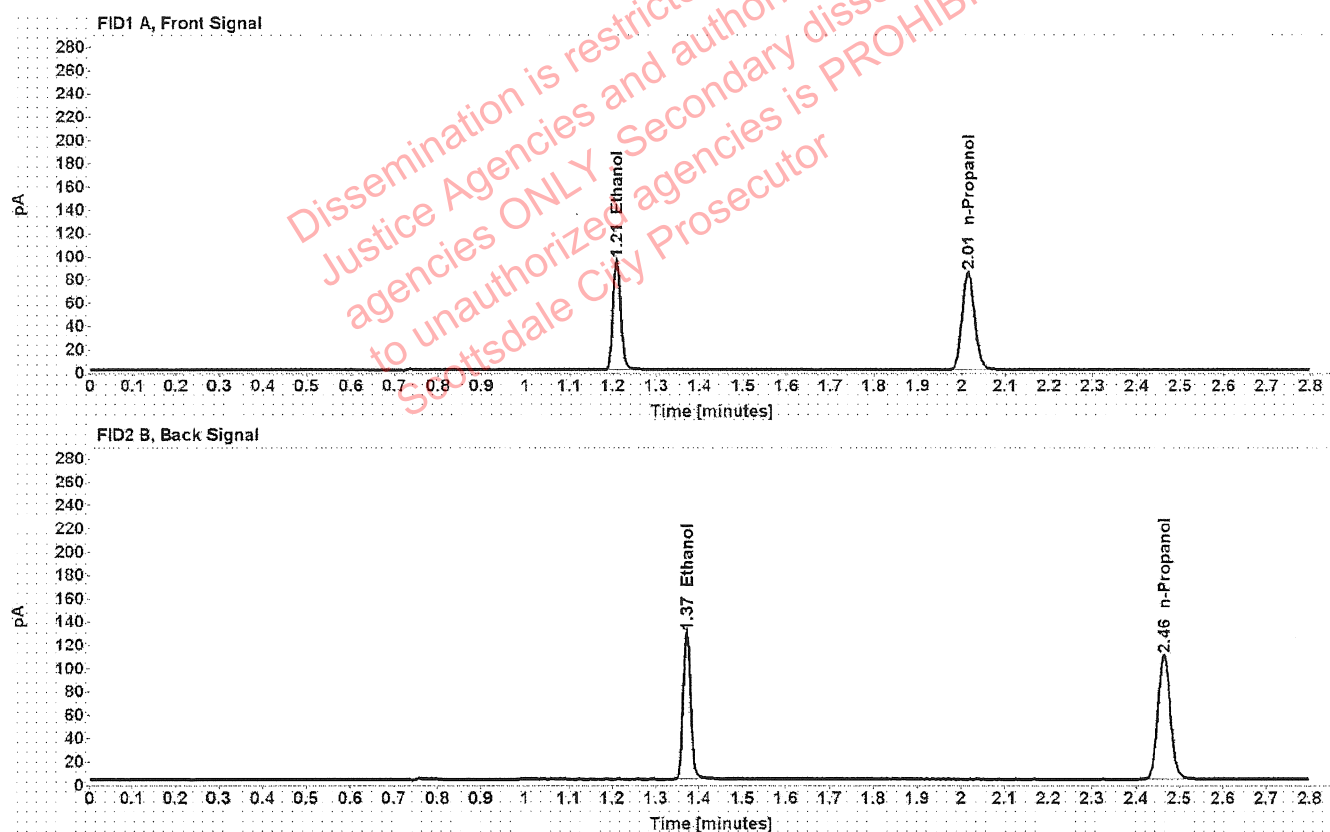


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.563
n-Propanol	2.015	168.363

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

Compound	Time (min)	Peak Area
Ethanol	1.371	152.970
n-Propanol	2.464	213.669

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051906	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 25Jan22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 1/25/2022 10:43:02 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">YRB</span>
<b>Data file:</b> C:\Chem32\1\Data\25Jan22\4.D	

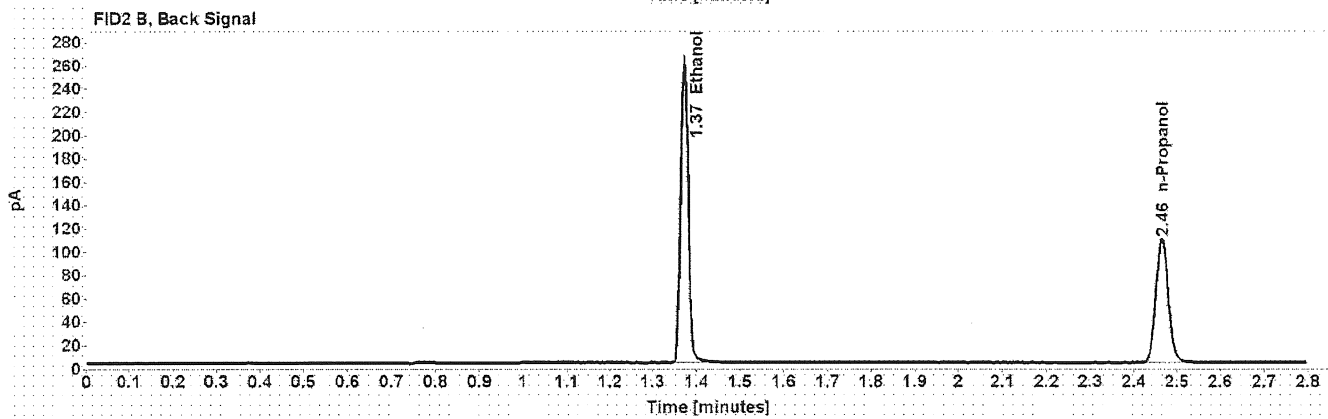
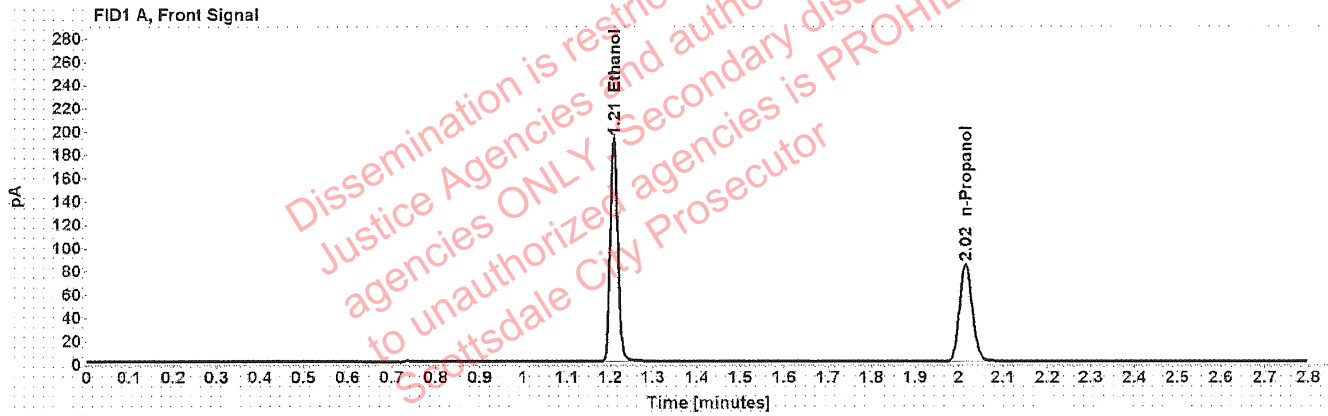


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	243.942
n-Propanol	2.015	167.535

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

Compound	Time (min)	Peak Area
Ethanol	1.372	310.497
n-Propanol	2.465	212.827

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	100421AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 10:47:02 AM
Data file:	C:\Chem32\1\Data\25Jan22\5.D	Analyst:	Brooke <i>JB</i>

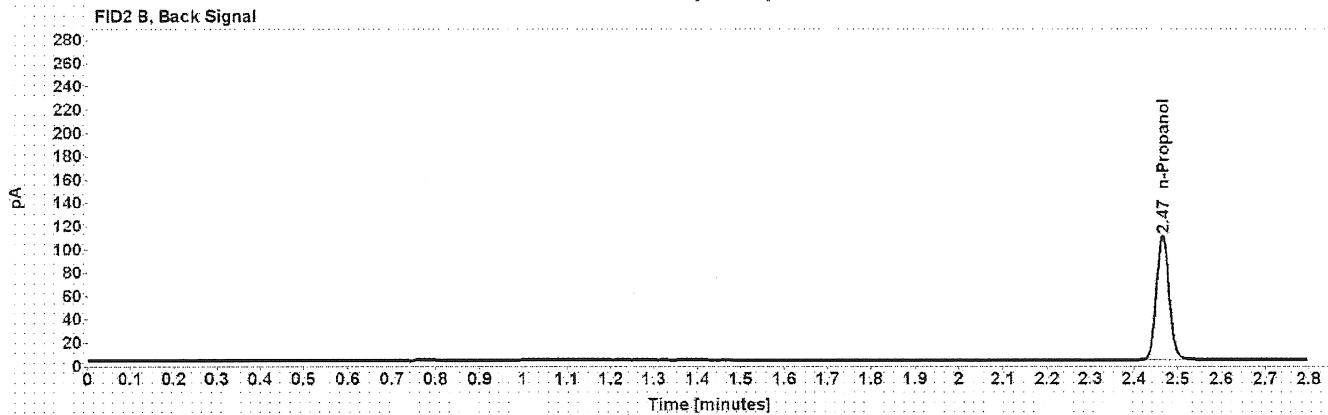
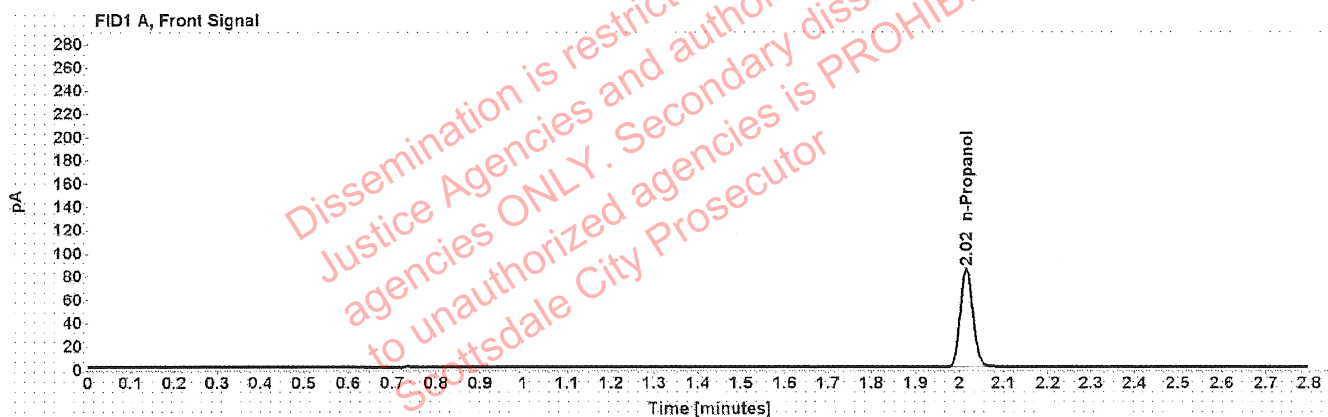


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	168.620

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	213.994

# 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> 25Jan22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 1/25/2022 10:51:02 AM
<b>Data file:</b> C:\Chem32\1\Data\25Jan22\6.D	<b>Analyst:</b> Brooke <i>AB</i>

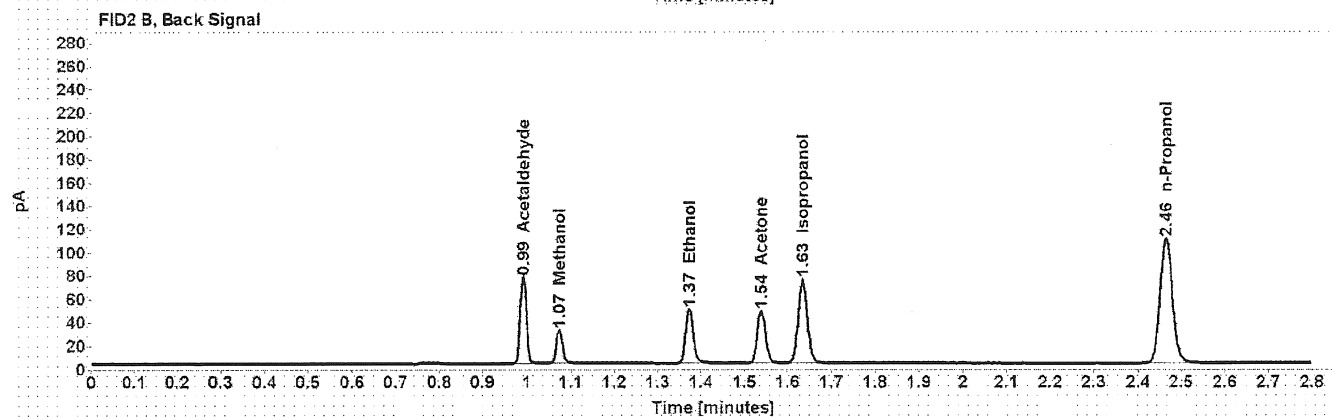
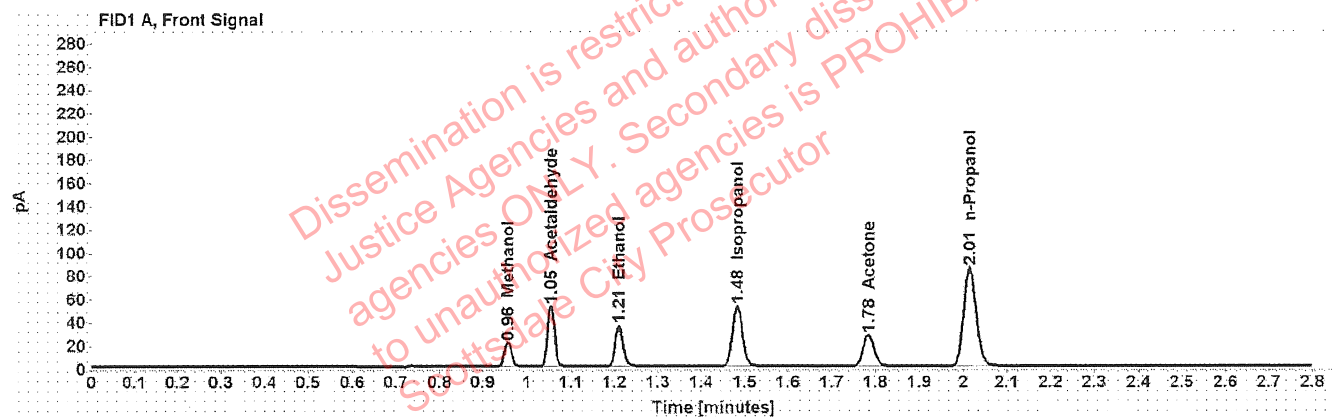


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	23.305
Acetaldehyde	-----	1.054	57.374
>Ethanol	0.0753	1.210	45.210
Isopropanol	-----	1.483	83.032
Acetone	-----	1.783	46.802
n-Propanol	-----	2.015	168.336

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	73.945
Methanol	1.074	29.910
Ethanol	1.373	57.326
Acetone	1.539	59.528
Isopropanol	1.634	107.537
n-Propanol	2.465	213.795



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan22
Instrument: US14173023 CN14160045	Injection date: 1/25/2022 10:55:17 AM
Data file: C:\Chem32\1\Data\25Jan22\7.D	Analyst: Brooke <span style="float: right;">7B</span>

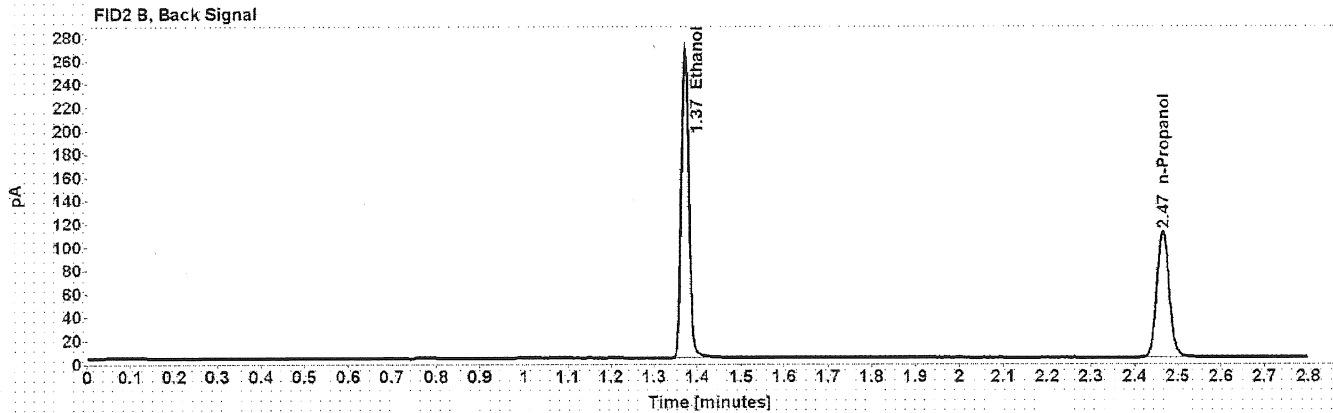
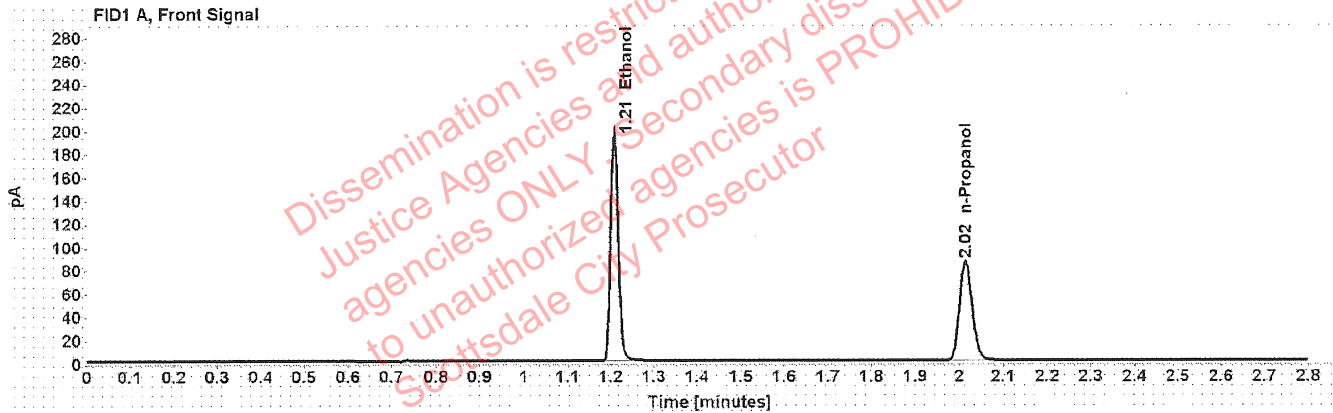


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4018	1.208	249.364
n-Propanol	-----	2.015	170.886

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

Compound	Time (min)	Peak Area
Ethanol	1.372	317.610
n-Propanol	2.465	217.080

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 10:59:18 AM
Data file:	C:\Chem32\1\Data\25Jan22\8.D	Analyst:	Brooke <span style="float: right;">70</span>

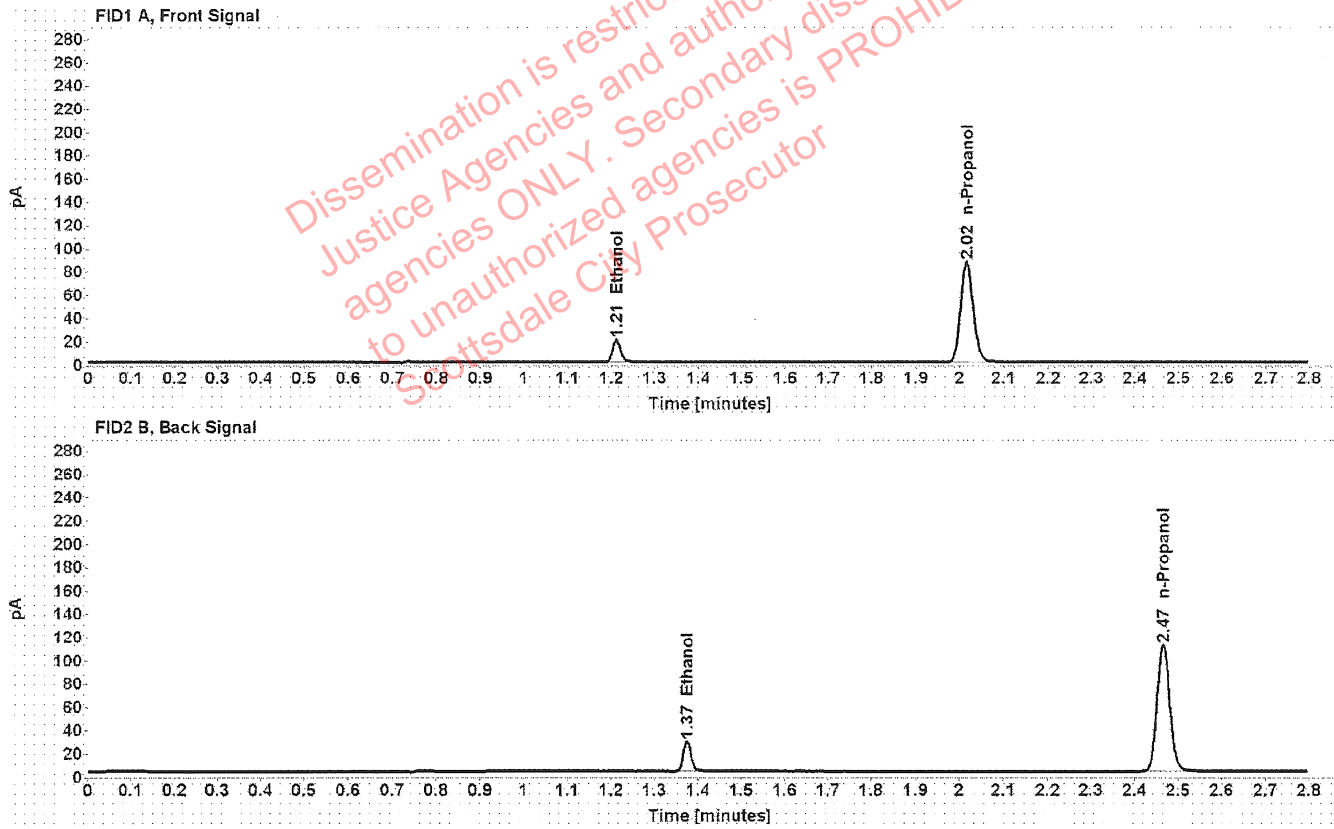


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0415	1.212	24.918
n-Propanol	-----	2.016	171.654

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

Compound	Time (min)	Peak Area
Ethanol	1.375	31.588
n-Propanol	2.466	218.094

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/2	<b>Vial:</b> 9
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Jan22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 1/25/2022 11:03:17 AM
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PB

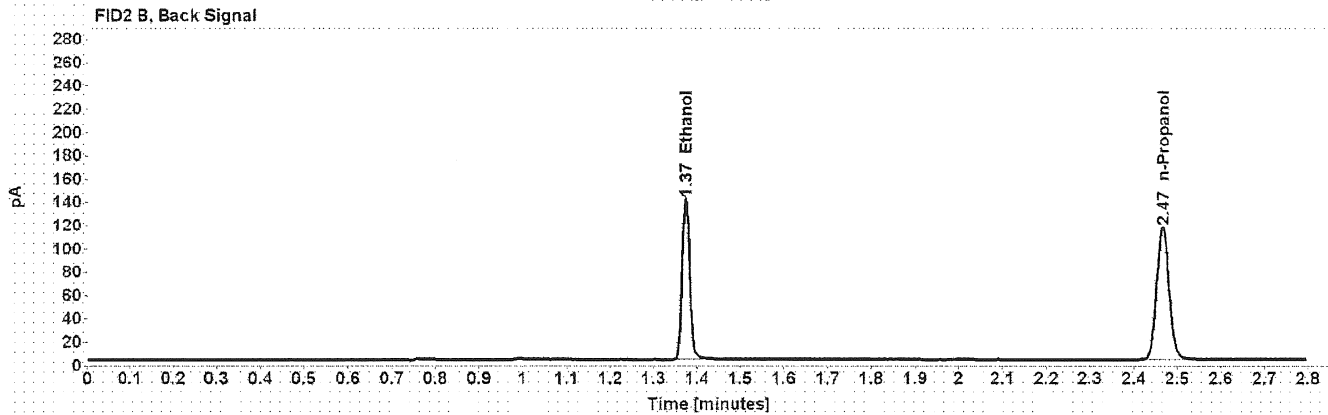
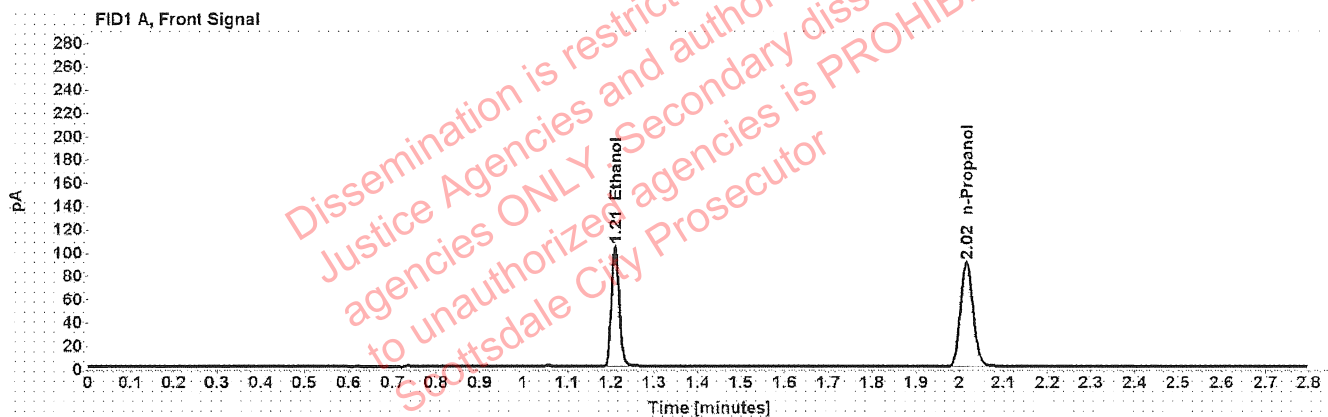


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2030	1.210	131.595
n-Propanol	-----	2.016	179.218

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

Compound	Time (min)	Peak Area
Ethanol	1.374	167.143
n-Propanol	2.466	227.799

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan22
Instrument: US14173023 CN14160045	Injection date: 1/25/2022 11:47:47 AM
Data file: C:\Chem32\1\Data\25Jan22\20.D	Analyst: Brooke

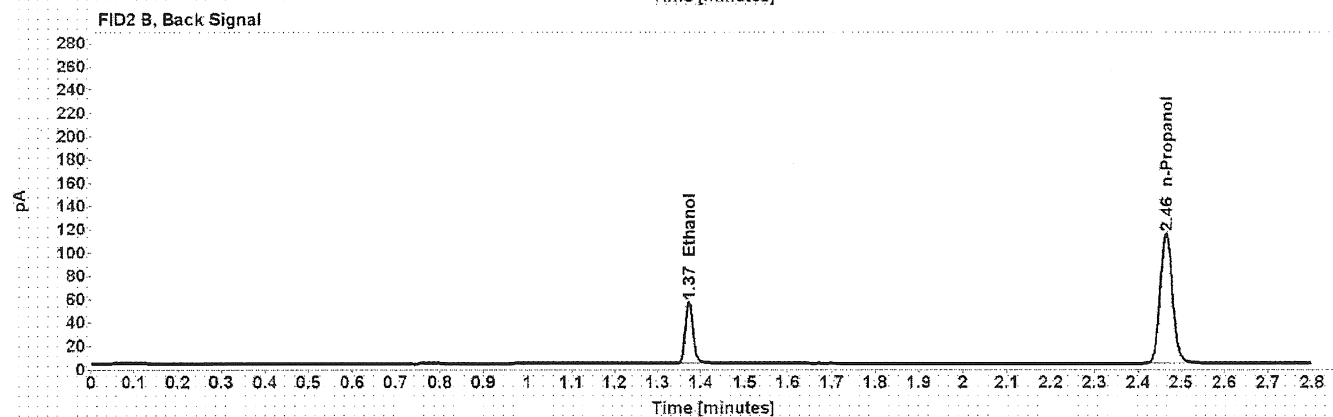
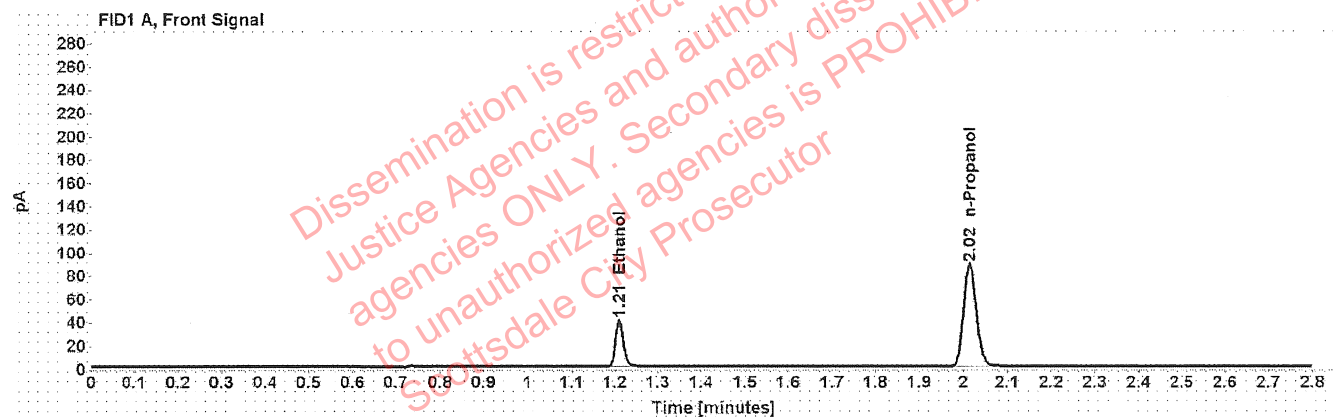


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0811	1.210	50.851
n-Propanol	-----	2.015	175.666

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

Compound	Time (min)	Peak Area
Ethanol	1.373	64.620
n-Propanol	2.465	223.161

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:32:17 PM
Data file:	C:\Chem32\1\Data\25Jan22\31.D	Analyst:	Brooke

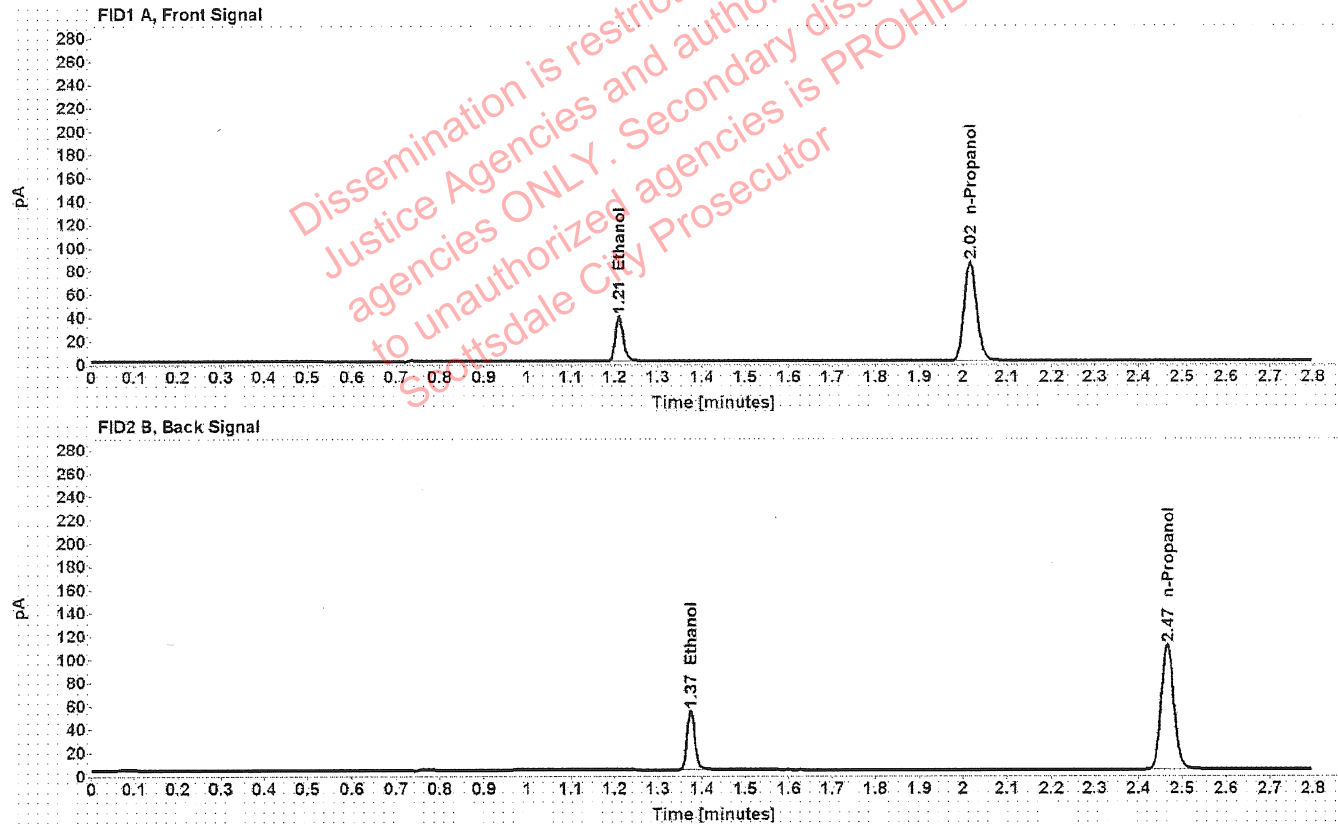


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.211	49.325
n-Propanol	-----	2.016	169.717

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.442
n-Propanol	2.466	215.417

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 1:16:32 PM
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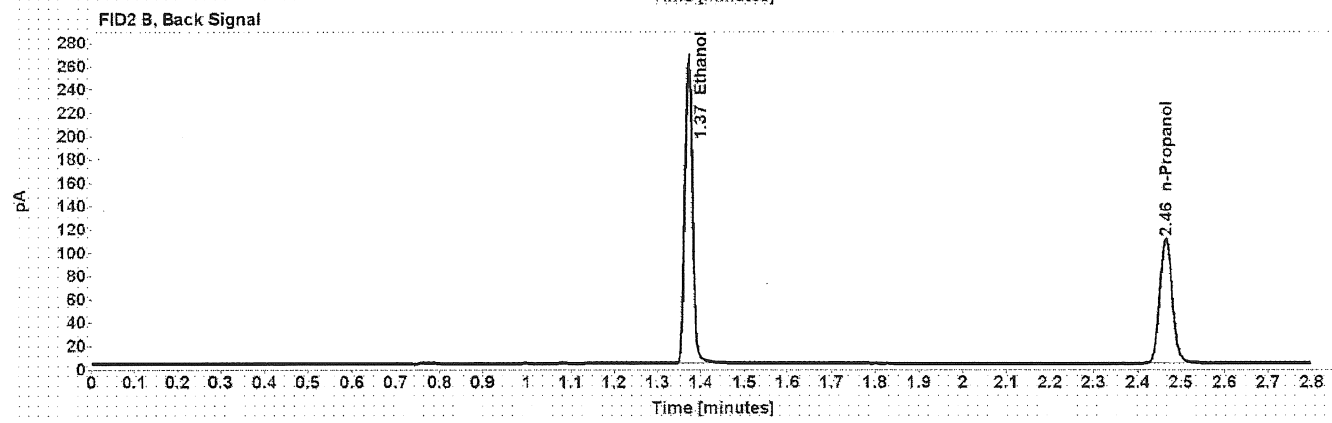
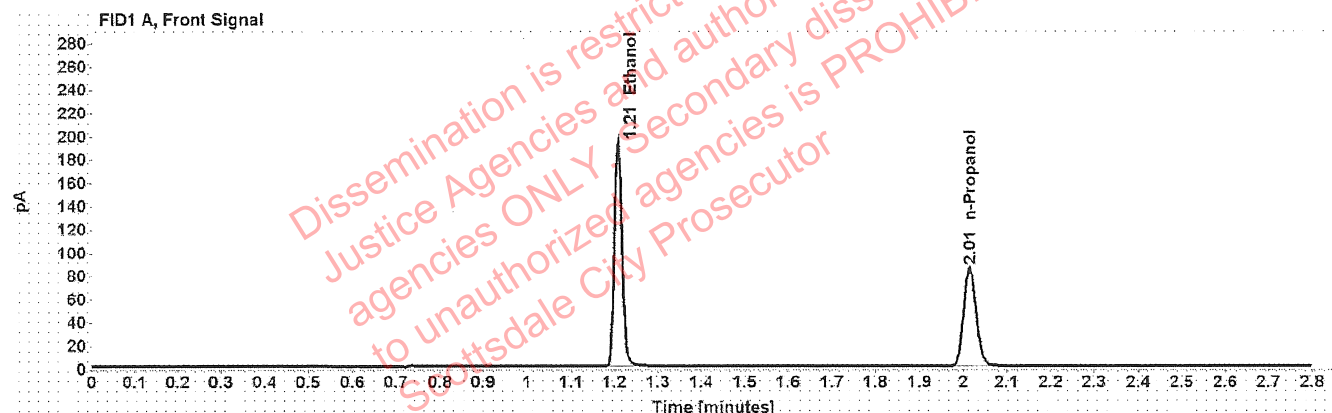


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3995	1.208	245.966
n-Propanol	-----	2.015	169.520

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

Compound	Time (min)	Peak Area
Ethanol	1.371	313.321
n-Propanol	2.465	215.440

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 1:20:47 PM
Data file:	C:\Chem32\1\Data\25Jan22\43.D	Analyst:	Brooke

RB

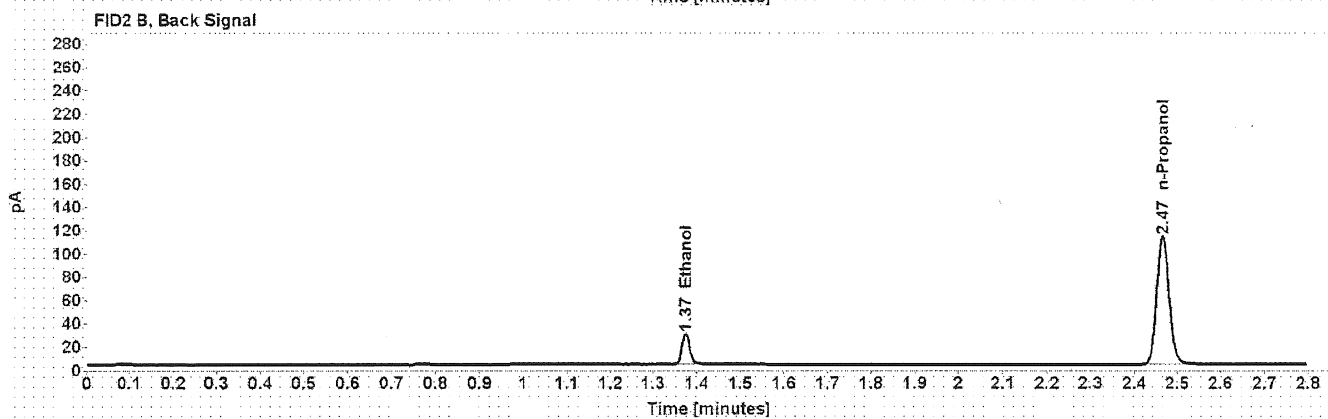
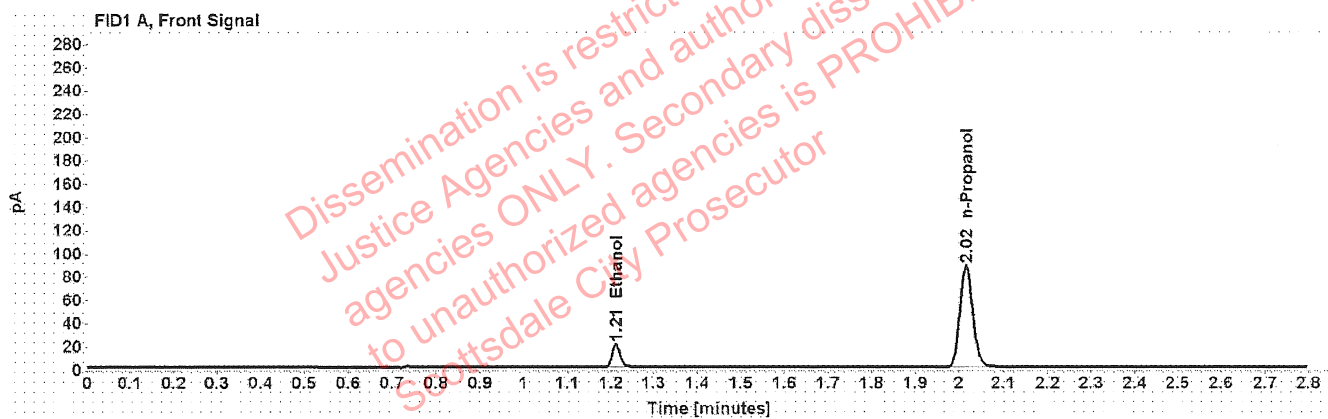


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0419	1.212	25.604
n-Propanol	-----	2.016	174.451

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

Compound	Time (min)	Peak Area
Ethanol	1.375	32.393
n-Propanol	2.466	221.359

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/2	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan22
Instrument: US14173023 CN14160045	Injection date: 1/25/2022 1:24:48 PM
Data file: C:\Chem32\1\Data\25Jan22\44.D	Analyst: Brooke

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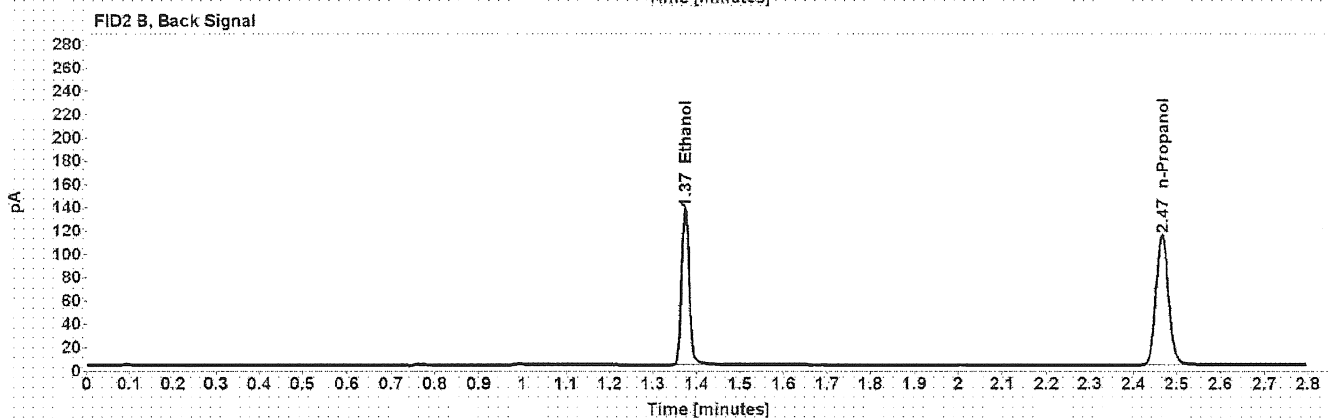
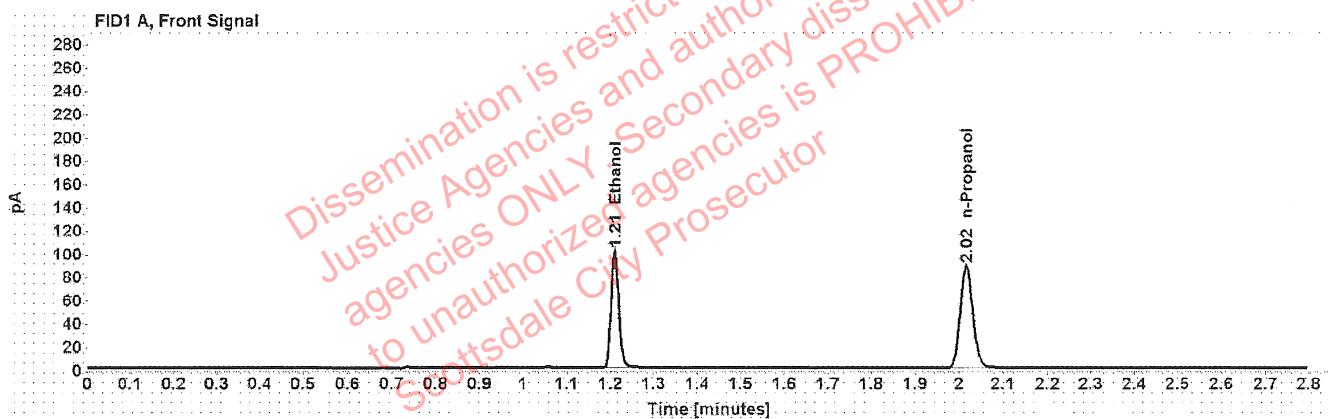


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2015	1.210	128.643
n-Propanol	-----	2.016	176.527

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

Compound	Time (min)	Peak Area
Ethanol	1.374	163.511
n-Propanol	2.466	224.196



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 1:28:48 PM
Data file:	C:\Chem32\1\Data\25Jan22\45.D	Analyst:	Brooke

PB

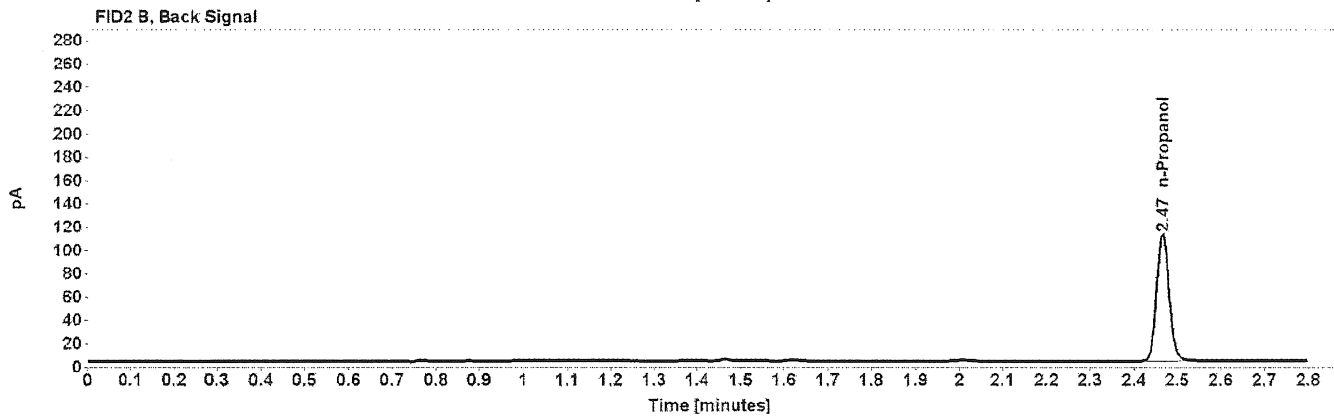
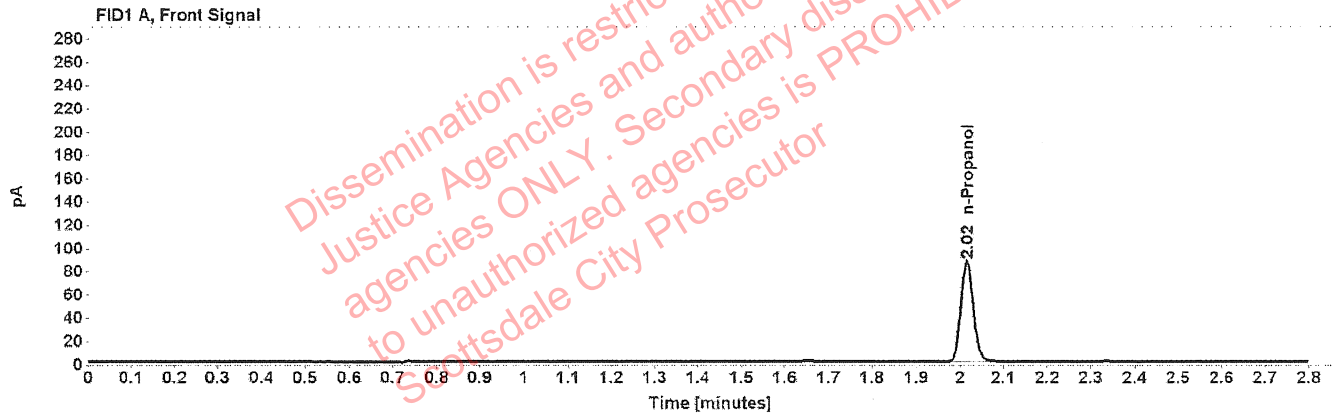


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	172.077

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	219.225

# Sequence Summary

Sequence name: 25Jan22      Instrument: US14173023 CN14160045      Analyst: Brooke

YRS

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	100421AQ	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	32601AC		Sample		ethanol quant.M
11	32601AC		Sample		ethanol quant.M
12	31801BH		Sample		ethanol quant.M
13	31801BH		Sample		ethanol quant.M
14	32701LM		Sample		ethanol quant.M
15	32701LM		Sample		ethanol quant.M
16	17601VC		Sample		ethanol quant.M
17	17601VC		Sample		ethanol quant.M
18	18601AG		Sample		ethanol quant.M
19	18601AG		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	32601LM		Sample		ethanol quant.M
22	32601LM		Sample		ethanol quant.M
23	38201AC		Sample		ethanol quant.M
24	38201AC		Sample		ethanol quant.M
25	39401BA		Sample		ethanol quant.M
26	39401BA		Sample		ethanol quant.M
27	32701MB		Sample		ethanol quant.M
28	32701MB		Sample		ethanol quant.M
29	1405424		Sample		ethanol quant.M
30	1405424		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1403745		Sample		ethanol quant.M
33	1403745		Sample		ethanol quant.M
34	1405600		Sample		ethanol quant.M
35	1405600		Sample		ethanol quant.M
36	1405640		Sample		ethanol quant.M
37	1405640		Sample		ethanol quant.M
38	1405764		Sample		ethanol quant.M
39	1405764		Sample		ethanol quant.M
40	1401154		Sample		ethanol quant.M
41	1401154		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/2	0.199	Control		ethanol quant.M
45	101921WB	Negative	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized agencies ONLY. Second-hand dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

# Scottsdale Police Department Crime Laboratory Summary of Cases

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SEQUENCE NAME: 25Jan22

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1538	0.1529	0.15335	0.29	0.00045
12 13	0.1908	0.1913	0.19105	0.13	0.00025
14 15	0.1670	0.1670	0.16700	0.00	0.00000
16 17	0.2424	0.2404	0.24140	0.41	0.00100
18 19	0.1075	0.1077	0.10760	0.09	0.00010
21 22	0.2228	0.2228	0.22280	0.00	0.00000
23 24	0.0468	0.0463	0.04655	0.54	0.00025
25 26	0.0962	0.0955	0.09585	0.37	0.00035
27 28	0.2352	0.2357	0.23545	0.11	0.00025
29 30	0.2138	0.2143	0.21405	0.12	0.00025
32 33	0.1897	0.1894	0.18955	0.08	0.00015
34 35	0.1605	0.1595	0.16000	0.31	0.00050
36 37	0.1975	0.1969	0.19720	0.15	0.00030
38 39	0.1046	0.1042	0.10440	0.19	0.00020
40 41	0.1336	0.1336	0.13360	0.00	0.00000

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601AC	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:07:18 AM
Data file:	C:\Chem32\1\Data\25Jan22\10.D	Analyst:	Brooke

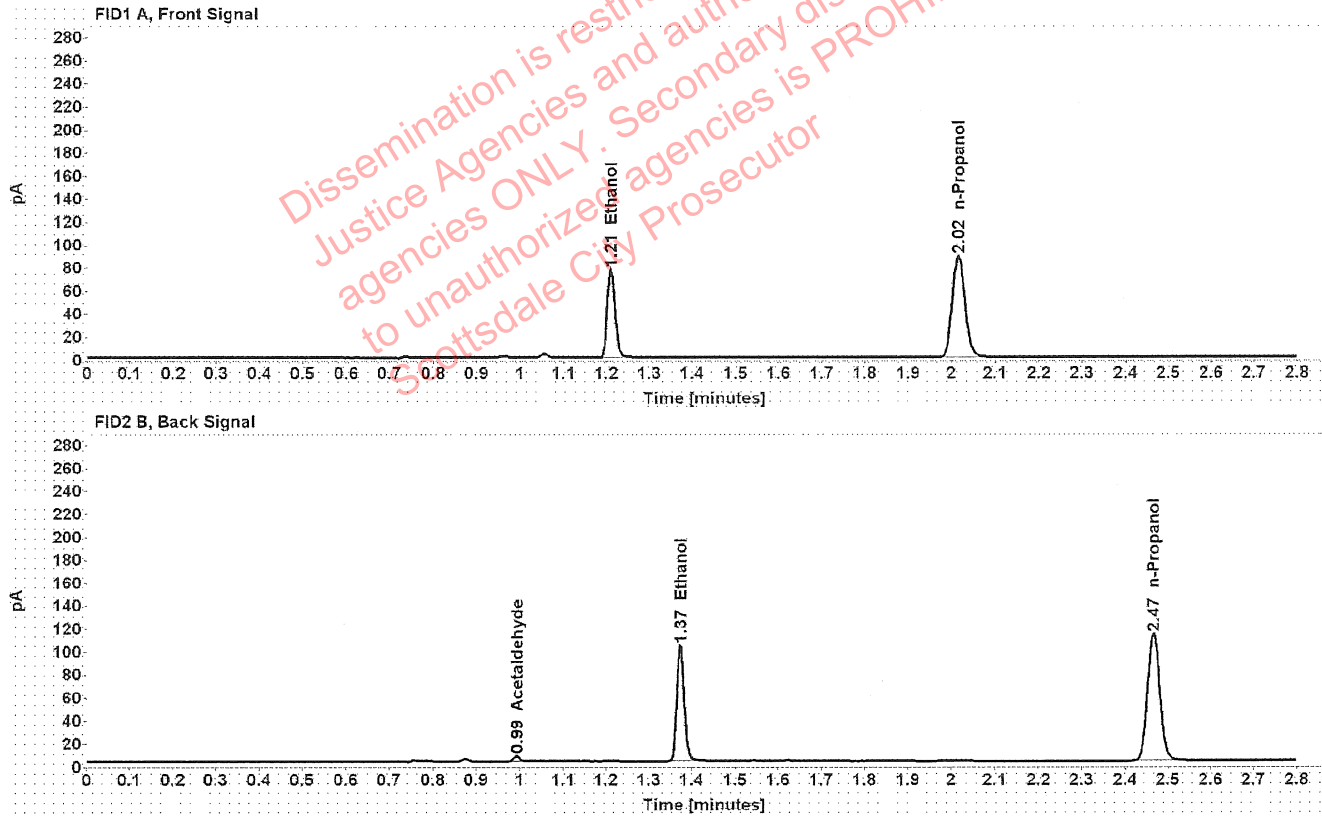


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1538	1.210	96.783
n-Propanol	-----	2.016	174.410

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.499
Ethanol	1.374	122.724
n-Propanol	2.466	221.961

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601AC	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:11:17 AM
Data file:	C:\Chem32\1\Data\25Jan22\11.D	Analyst:	Brooke

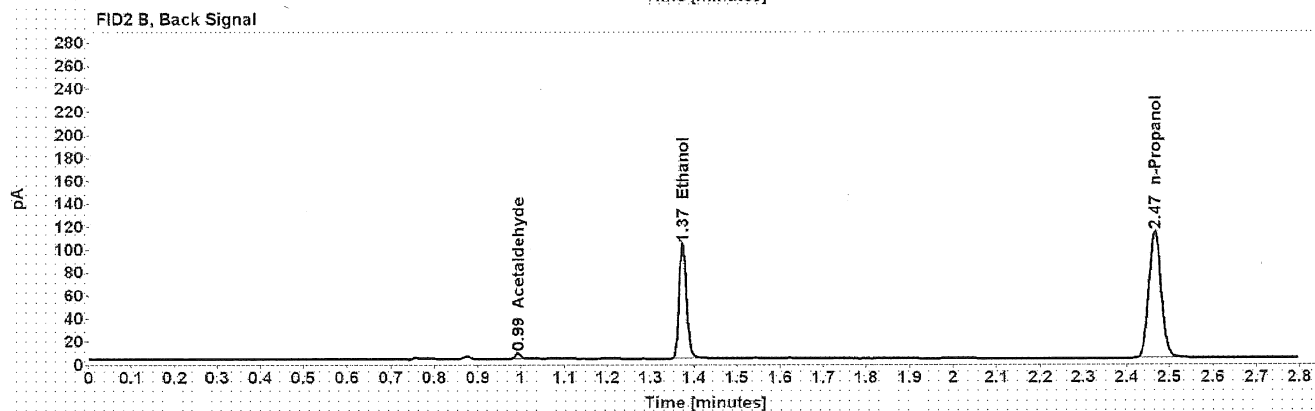
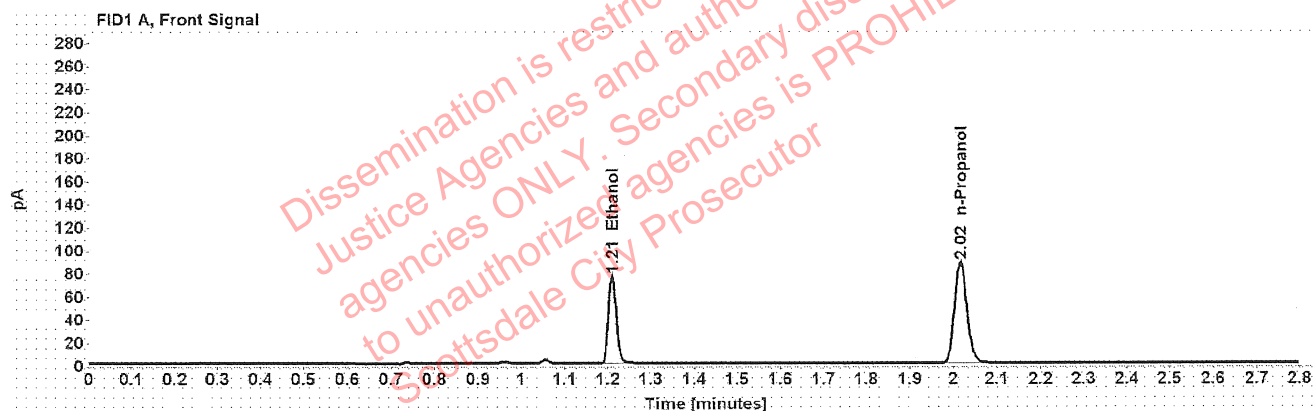


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1529	1.210	96.045
n-Propanol	-----	2.016	174.195

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.540
Ethanol	1.374	121.871
n-Propanol	2.466	221.741

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 31801BH	Vial: 12
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 25Jan22
Instrument: US14173023 CN14160045	Injection date: 1/25/2022 11:15:17 AM
Data file: C:\Chem32\1\Data\25Jan22\12.D	Analyst: Brooke

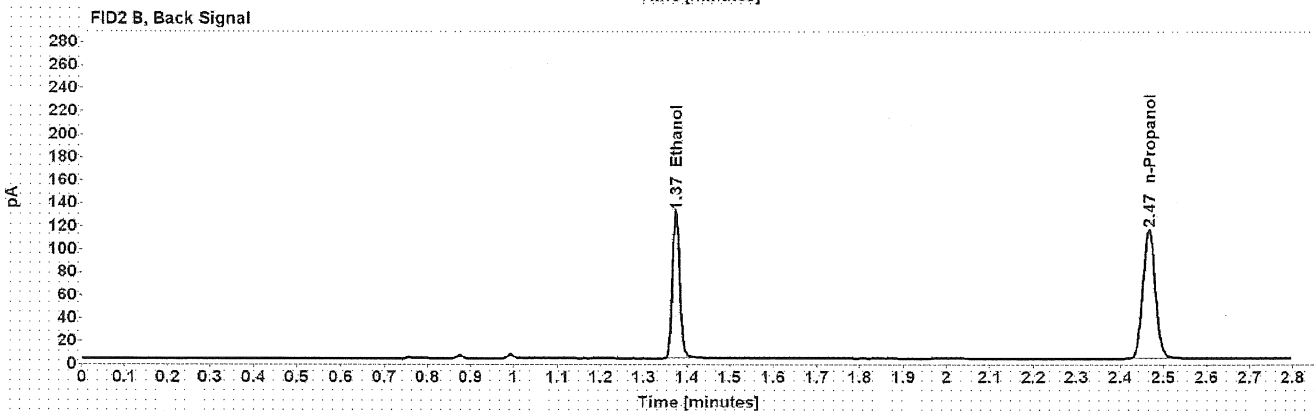
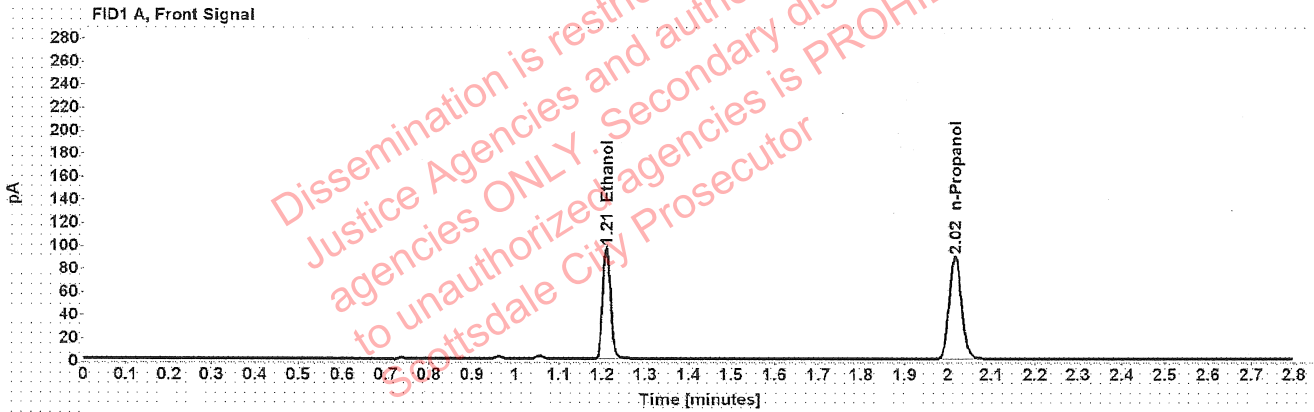


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1908	1.210	122.269
n-Propanol	-----	2.016	177.285

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

Compound	Time (min)	Peak Area
Ethanol	1.374	155.266
n-Propanol	2.466	225.150

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31801BH	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:19:33 AM
Data file:	C:\Chem32\1\Data\25Jan22\13.D	Analyst:	Brooke

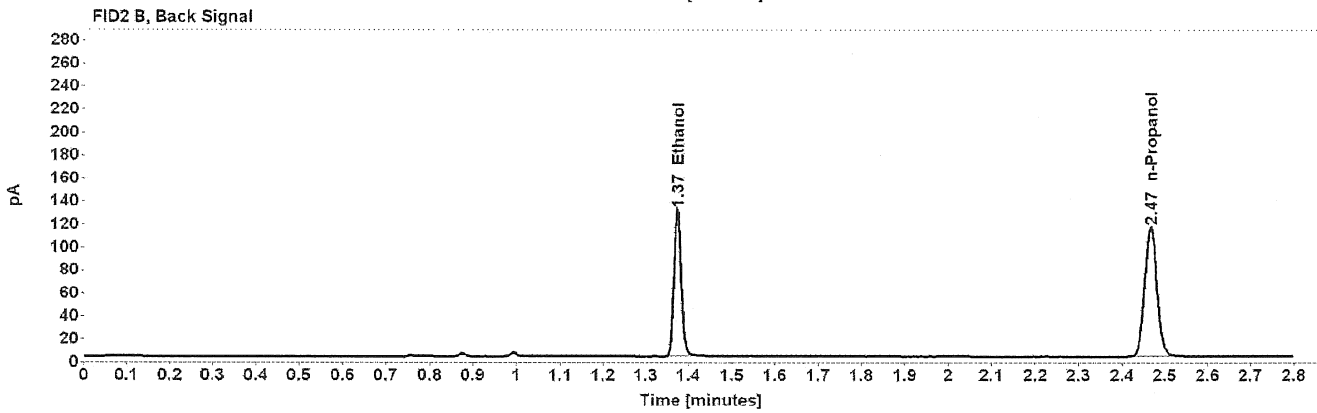
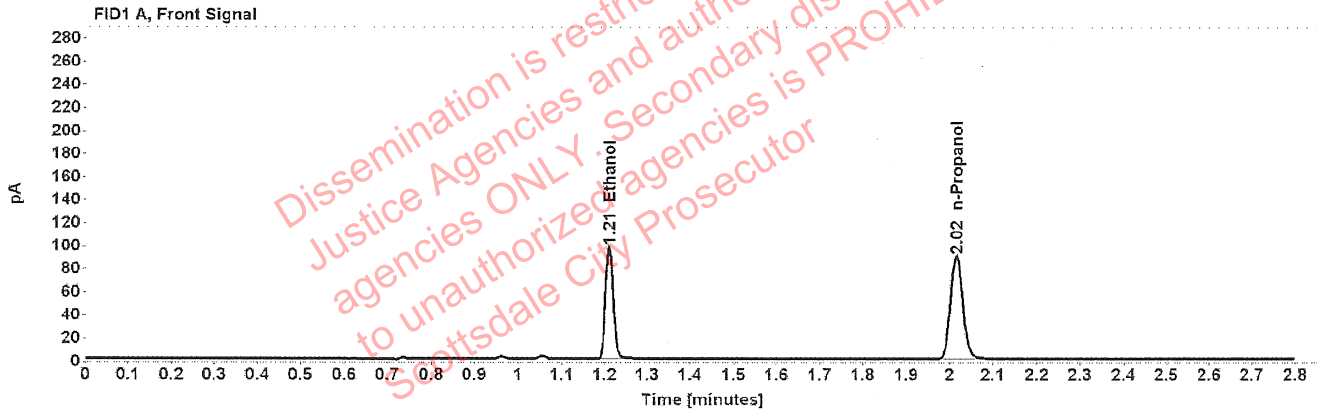


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1913	1.210	122.855
n-Propanol	-----	2.016	177.682

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

Compound	Time (min)	Peak Area
Ethanol	1.374	155.919
n-Propanol	2.466	225.712



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701LM	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:23:33 AM
Data file:	C:\Chem32\1\Data\25Jan22\14.D	Analyst:	Brooke

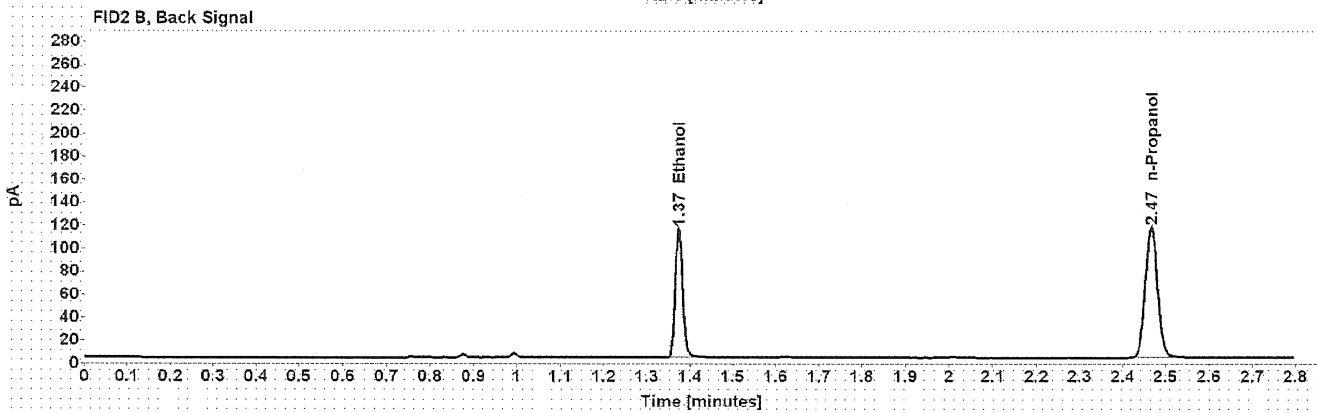
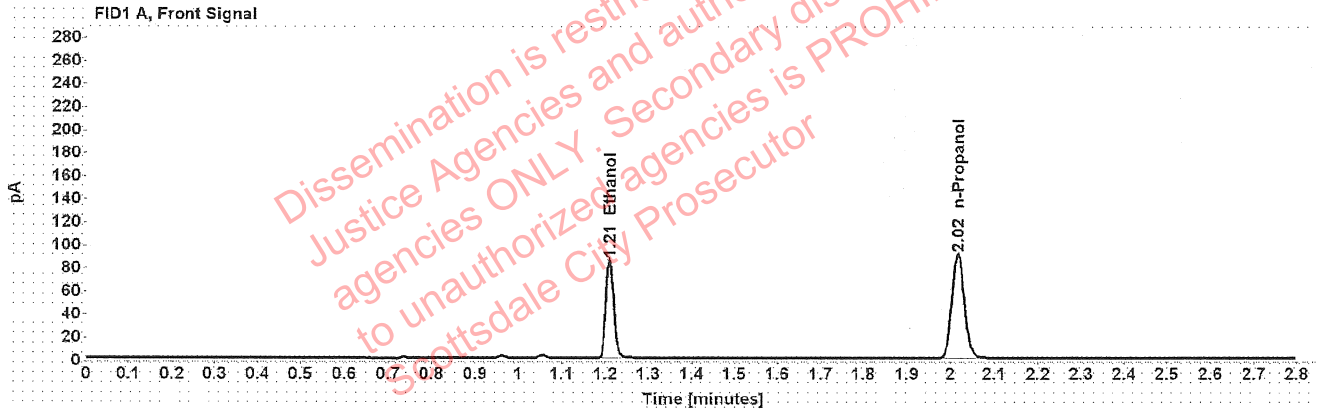


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1670	1.210	108.063
n-Propanol	-----	2.016	179.280

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

Compound	Time (min)	Peak Area
Ethanol	1.374	137.191
n-Propanol	2.467	228.134

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701LM	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:27:32 AM
Data file:	C:\Chem32\1\Data\25Jan22\15.D	Analyst:	Brooke

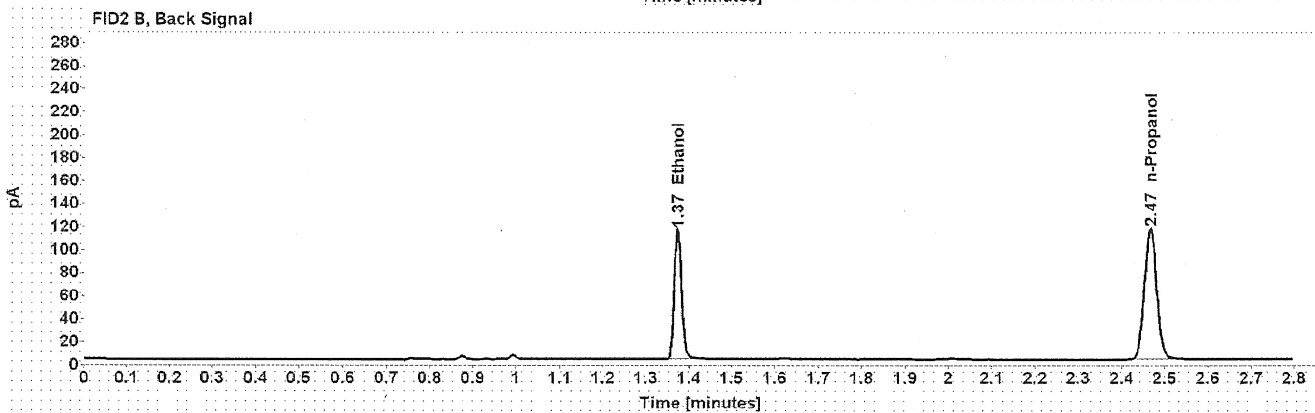
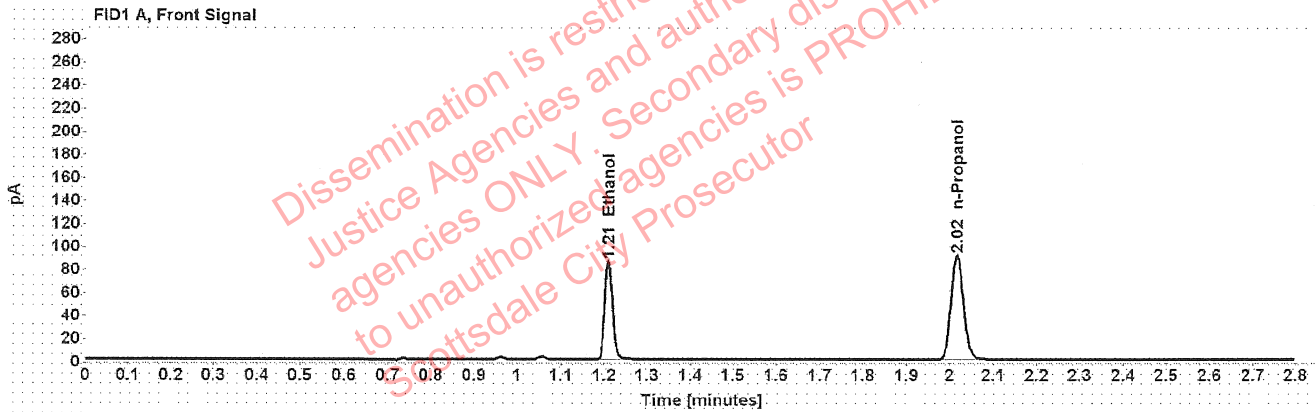


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1670	1.210	108.377
n-Propanol	-----	2.016	179.775

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

Compound	Time (min)	Peak Area
Ethanol	1.374	137.676
n-Propanol	2.466	228.718

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	17601VC	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:31:33 AM
Data file:	C:\Chem32\1\Data\25Jan22\16.D	Analyst:	Brooke

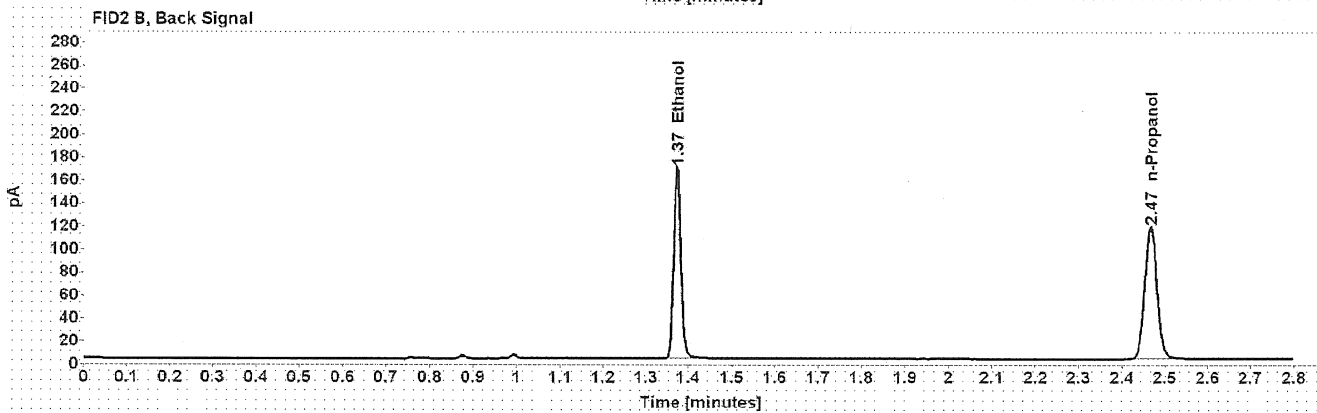
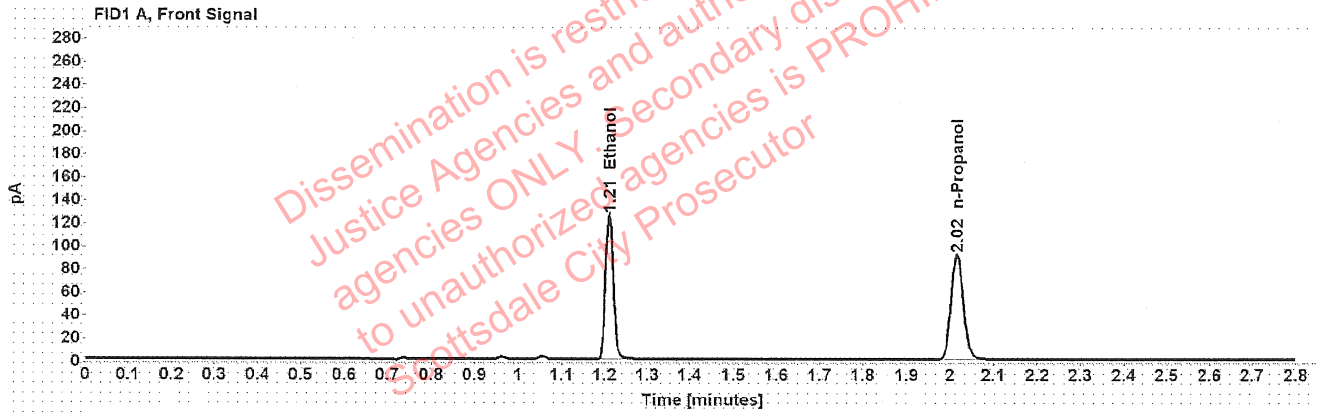


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2424	1.210	159.204
n-Propanol	-----	2.016	181.303

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

Compound	Time (min)	Peak Area
Ethanol	1.374	203.766
n-Propanol	2.466	230.515

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	17601VC	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:35:33 AM
Data file:	C:\Chem32\1\Data\25Jan22\17.D	Analyst:	Brooke

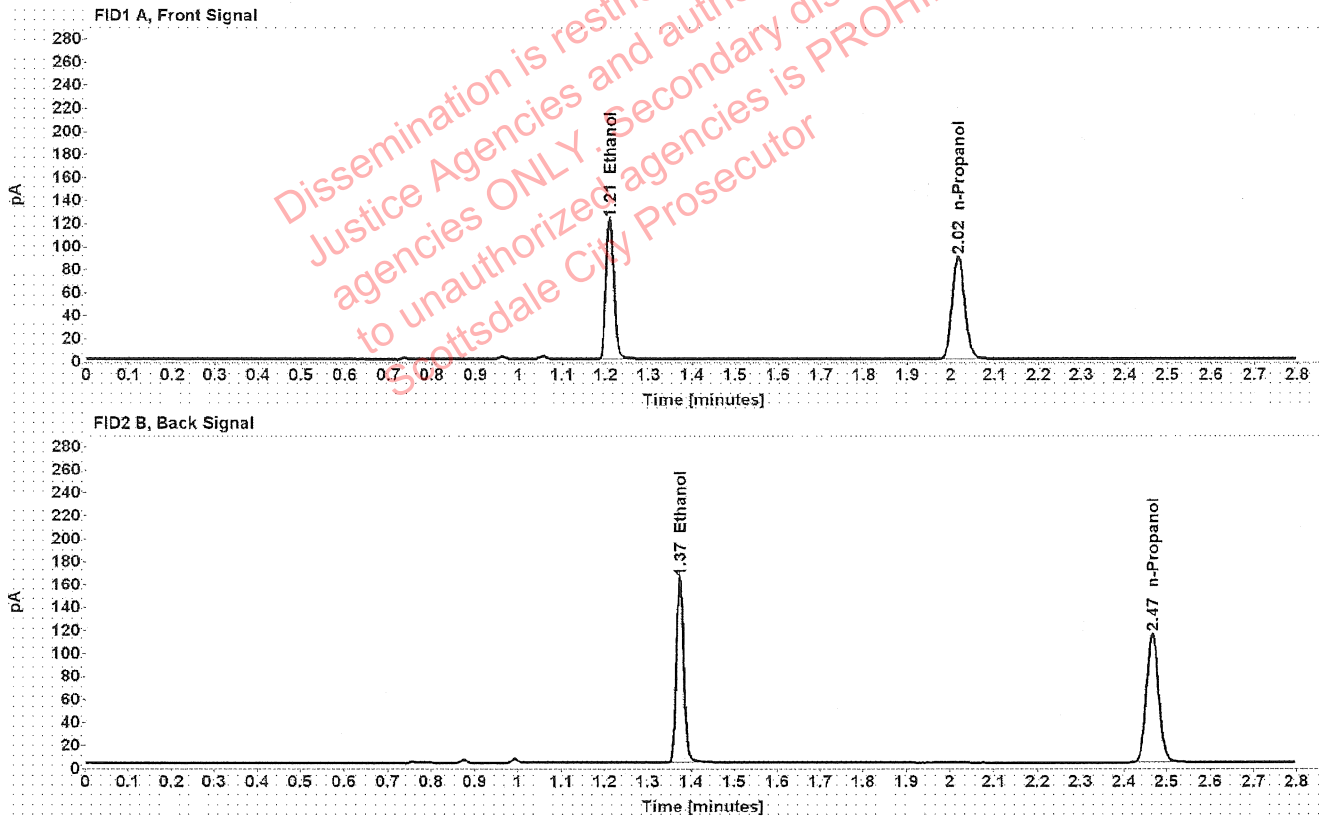


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2404	1.210	154.198
n-Propanol	-----	2.016	177.072

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

Compound	Time (min)	Peak Area
Ethanol	1.374	197.451
n-Propanol	2.466	225.181

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 18601AG	Vial: 18
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 25Jan22
Instrument: US14173023 CN14160045	Injection date: 1/25/2022 11:39:32 AM
Data file: C:\Chem32\1\Data\25Jan22\18.D	Analyst: Brooke

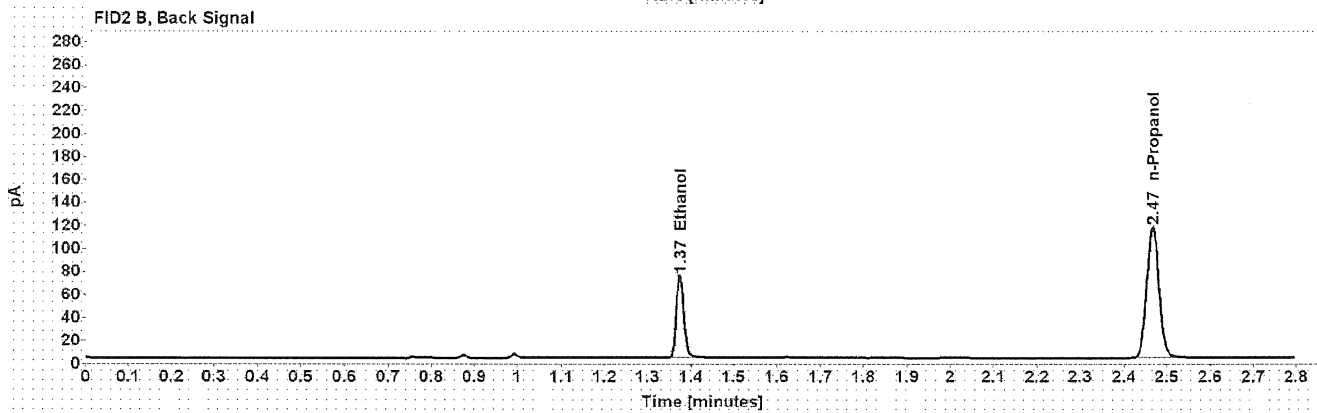
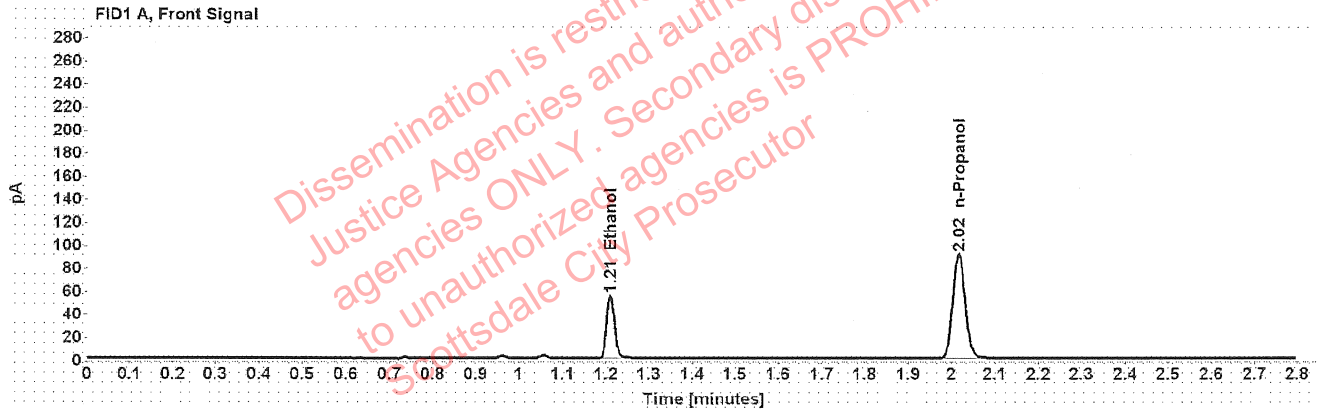


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1075	1.211	69.399
n-Propanol	-----	2.016	179.793

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

Compound	Time (min)	Peak Area
Ethanol	1.374	87.589
n-Propanol	2.467	228.826

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	18601AG	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:43:47 AM
Data file:	C:\Chem32\1\Data\25Jan22\19.D	Analyst:	Brooke

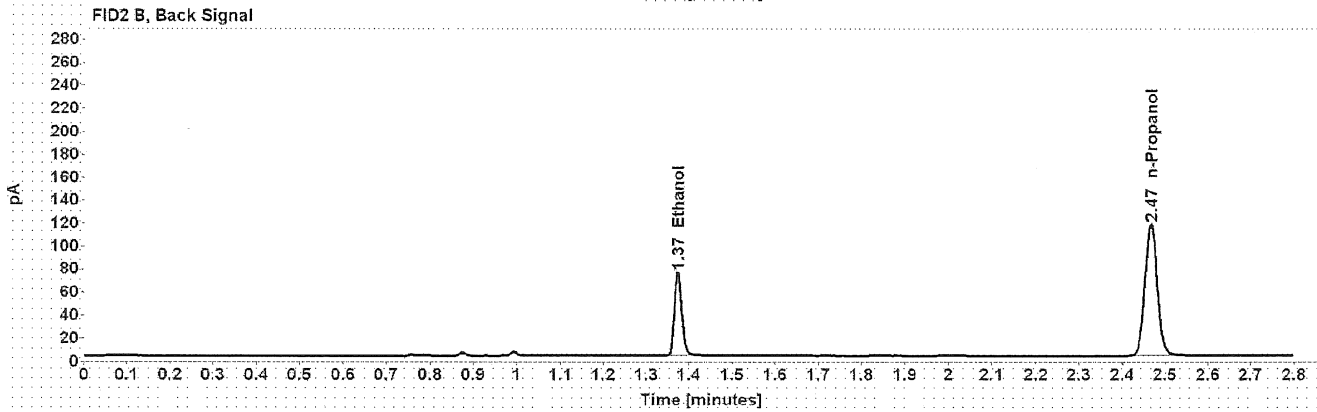
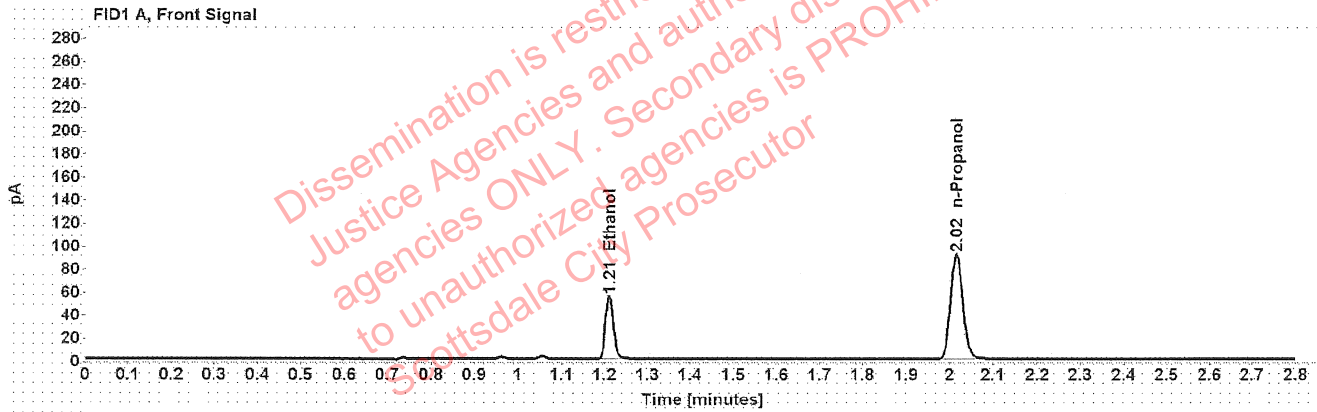


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1077	1.211	69.868
n-Propanol	-----	2.016	180.722

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

Compound	Time (min)	Peak Area
Ethanol	1.374	88.085
n-Propanol	2.467	229.836

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601LM	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:51:48 AM
Data file:	C:\Chem32\1\Data\25Jan22\21.D	Analyst:	Brooke

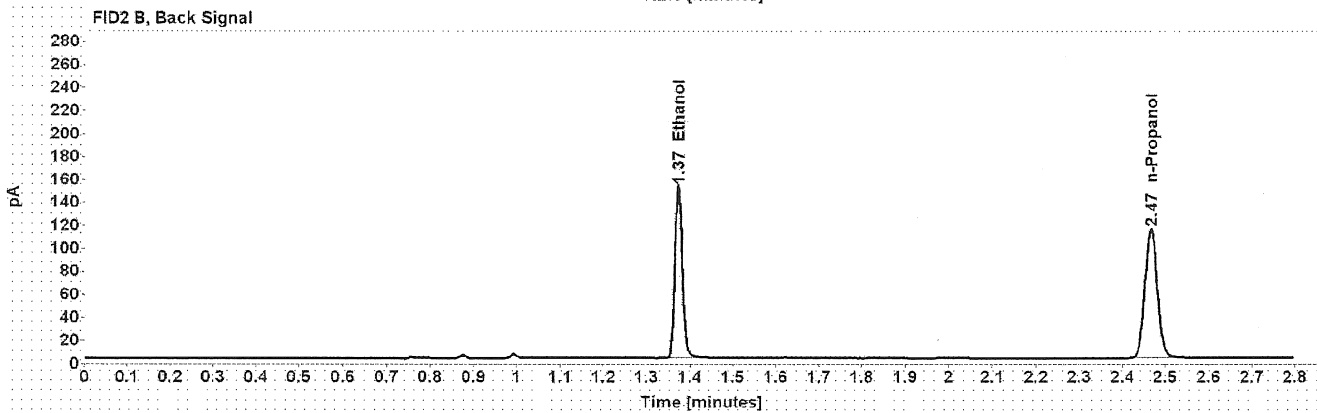
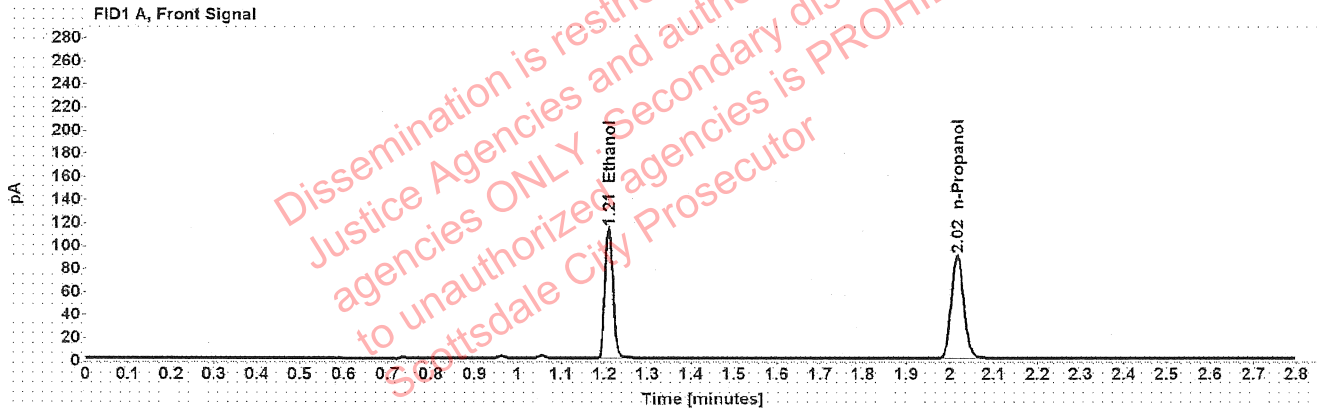


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2228	1.210	143.248
n-Propanol	-----	2.016	177.629

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

Compound	Time (min)	Peak Area
Ethanol	1.374	181.954
n-Propanol	2.466	225.722

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601LM	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:55:47 AM
Data file:	C:\Chem32\1\Data\25Jan22\22.D	Analyst:	Brooke

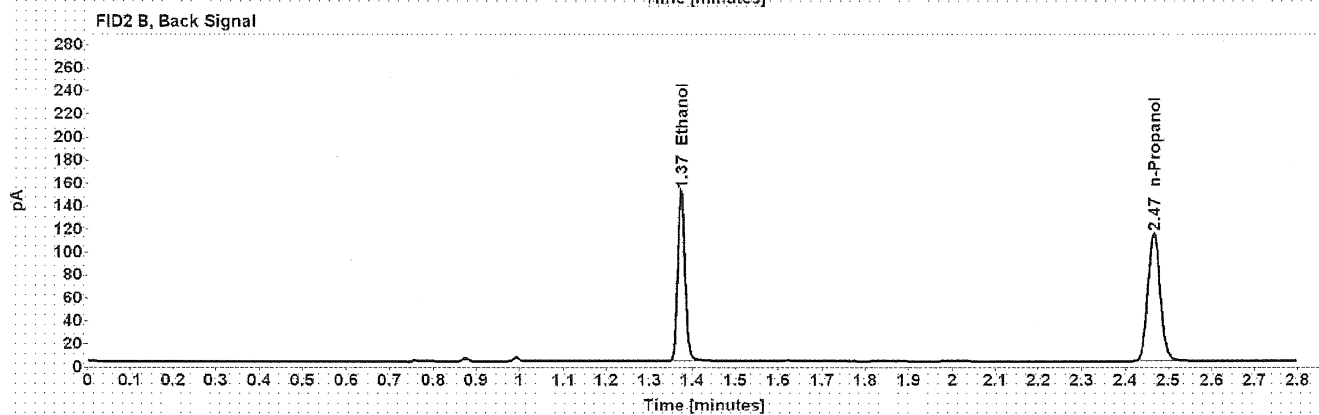
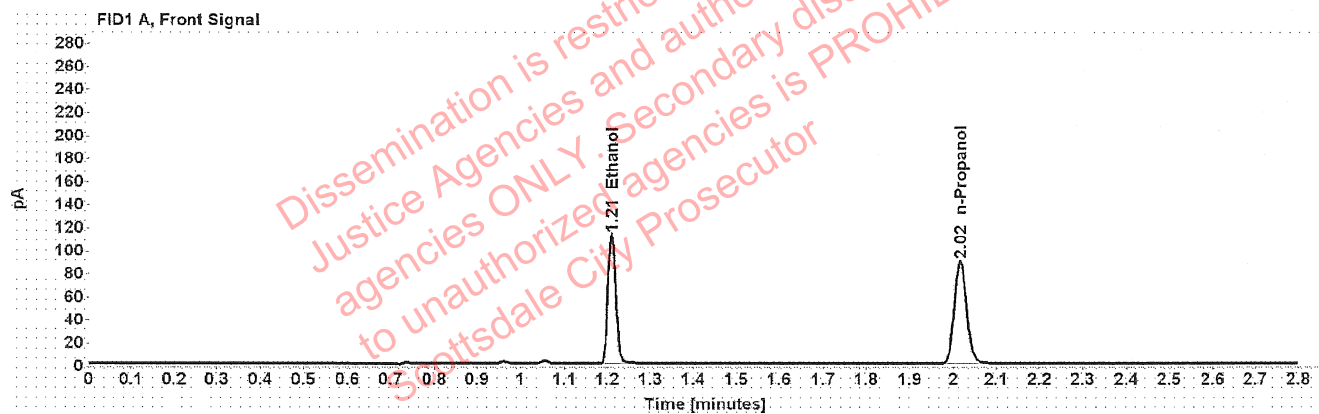


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2228	1.210	142.398
n-Propanol	-----	2.016	176.535

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

Compound	Time (min)	Peak Area
Ethanol	1.374	182.420
n-Propanol	2.466	224.474



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38201AC	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 11:59:48 AM
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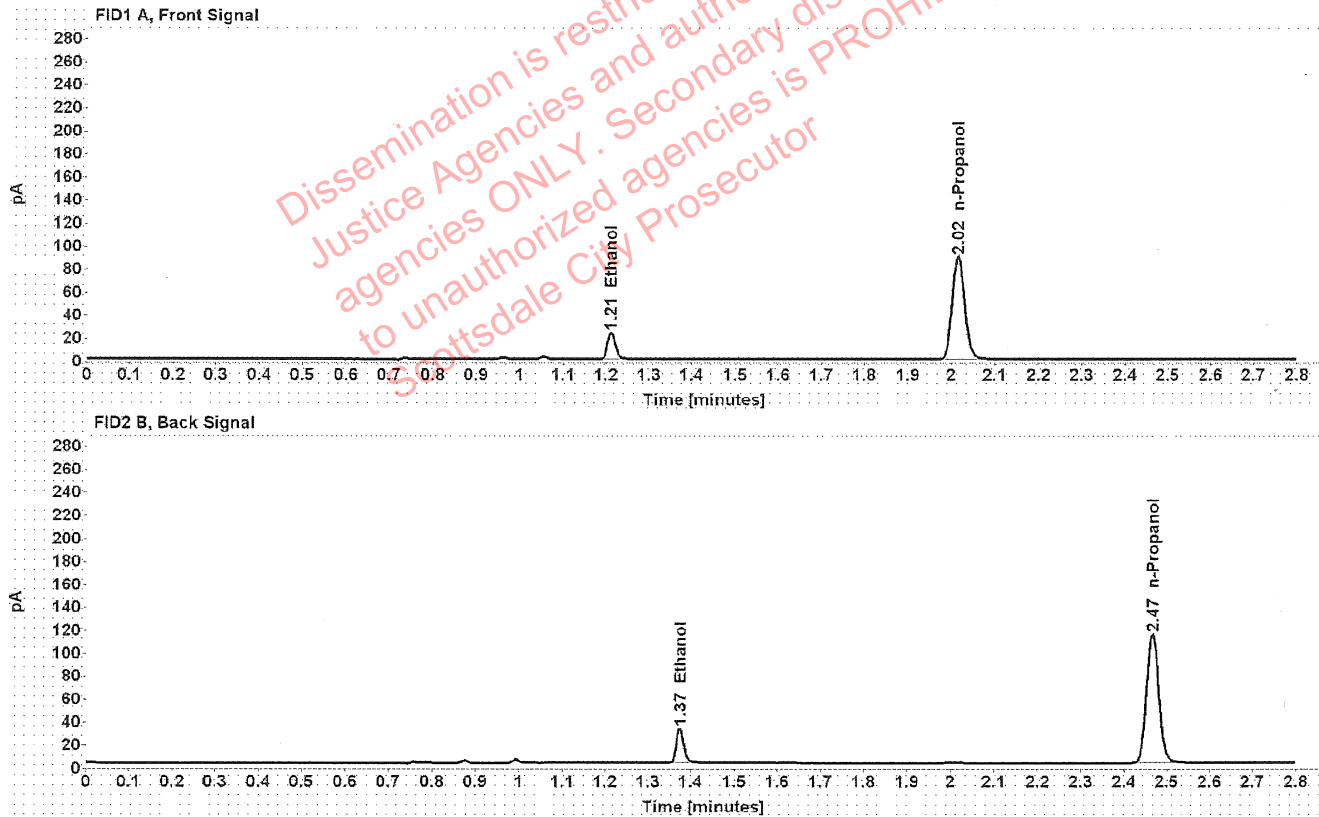


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0468	1.212	29.250
n-Propanol	-----	2.016	177.934

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

Compound	Time (min)	Peak Area
Ethanol	1.375	37.362
n-Propanol	2.466	226.169

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38201AC	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:03:47 PM
Data file:	C:\Chem32\1\Data\25Jan22\24.D	Analyst:	Brooke

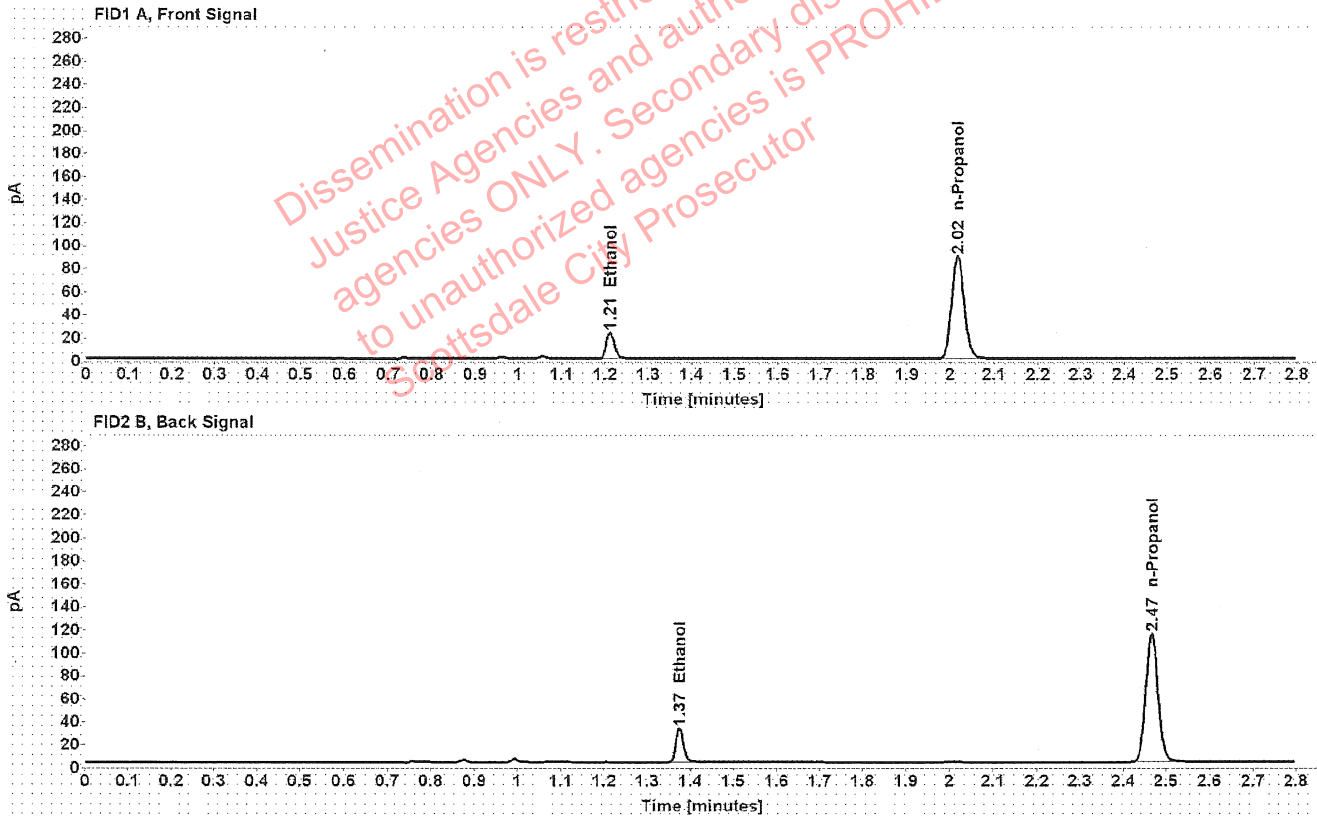


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0463	1.212	28.704
n-Propanol	-----	2.016	176.474

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

Compound	Time (min)	Peak Area
Ethanol	1.375	36.750
n-Propanol	2.466	224.161

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401BA	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:08:02 PM
Data file:	C:\Chem32\1\Data\25Jan22\25.D	Analyst:	Brooke

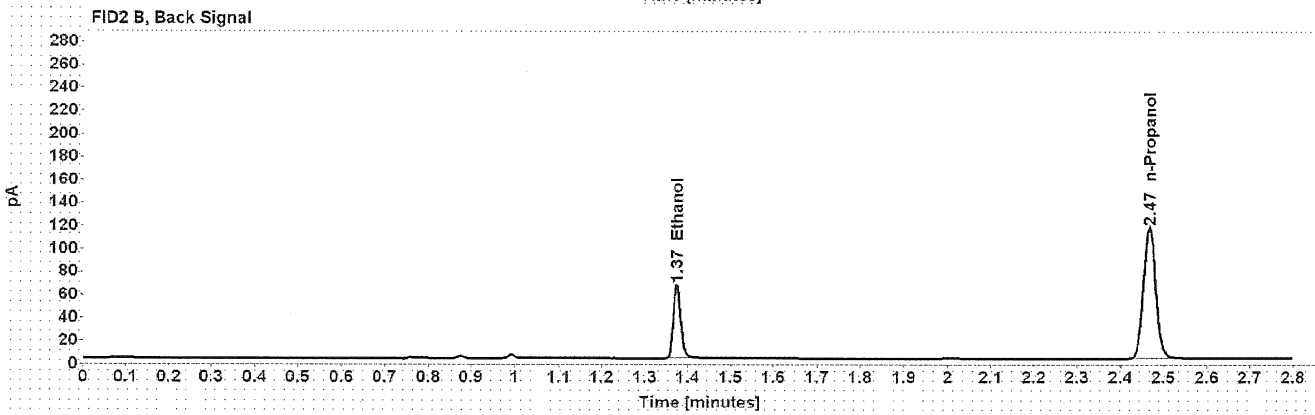
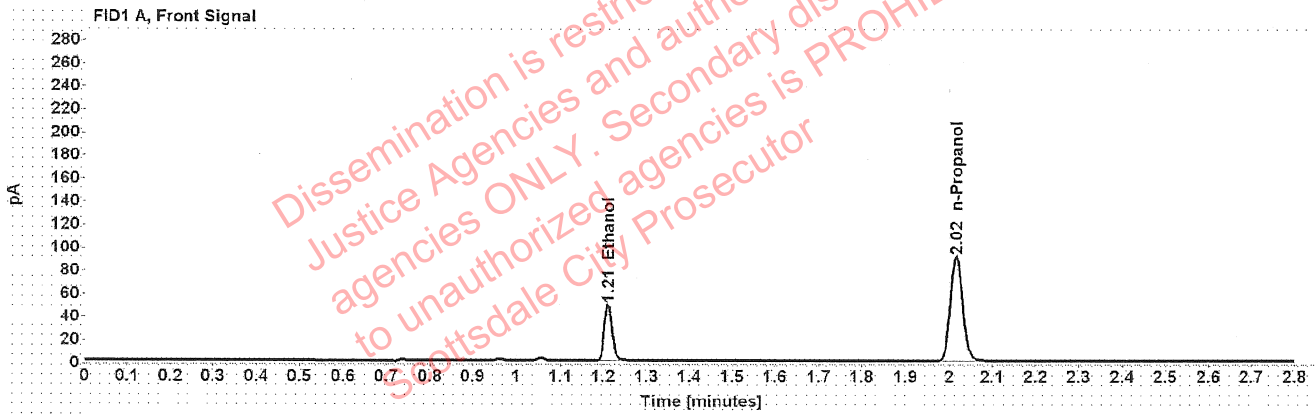


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0962	1.211	61.998
n-Propanol	-----	2.016	179.887

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

Compound	Time (min)	Peak Area
Ethanol	1.374	78.149
n-Propanol	2.467	228.378

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401BA	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:12:03 PM
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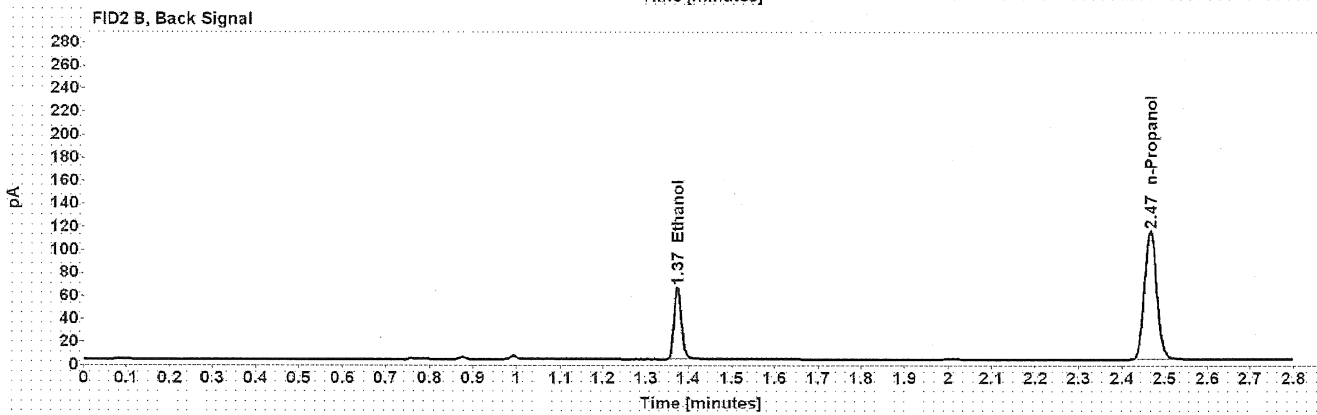
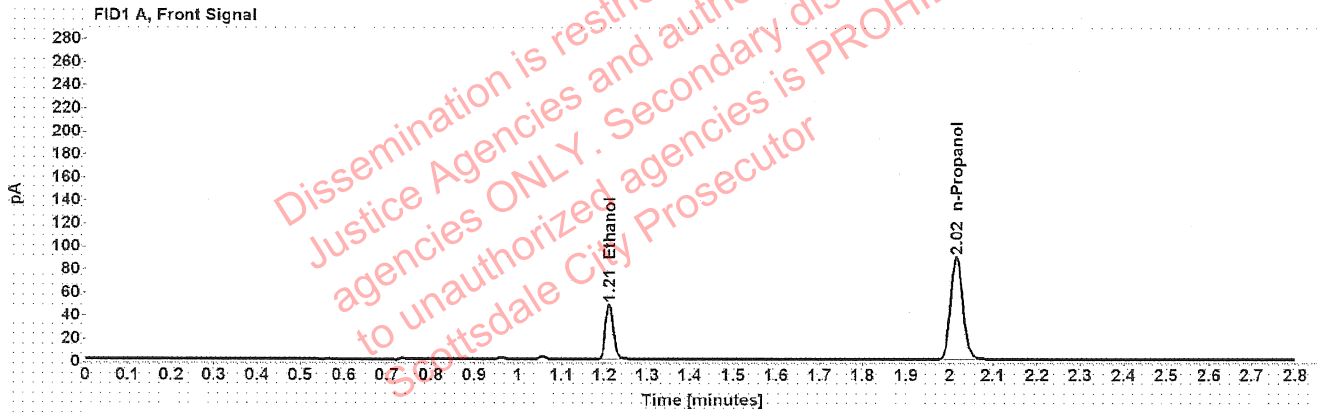


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0955	1.211	60.648
n-Propanol	-----	2.016	177.329

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

Compound	Time (min)	Peak Area
Ethanol	1.374	76.666
n-Propanol	2.466	225.032

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701MB	Vial:	27
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:16:02 PM
Data file:	C:\Chem32\1\Data\25Jan22\27.D	Analyst:	Brooke

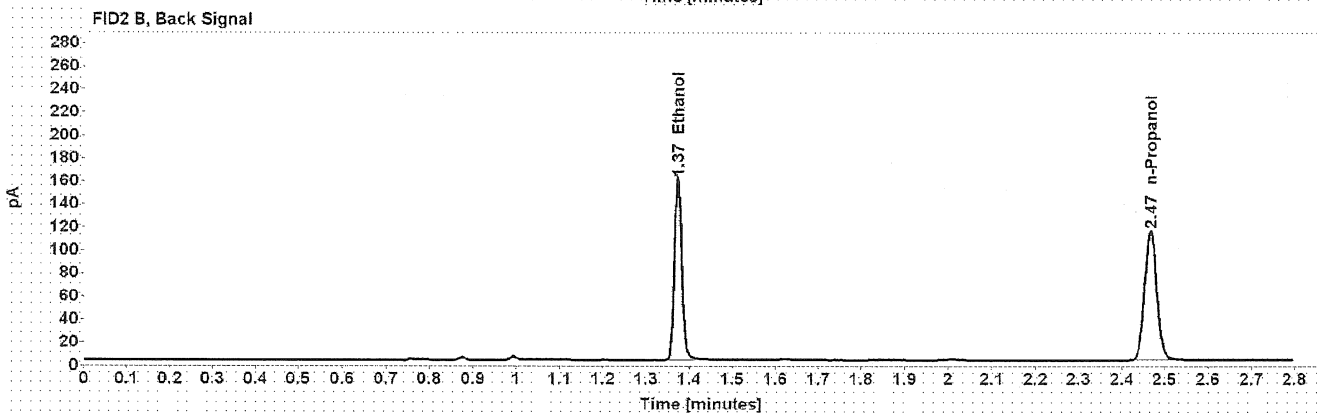
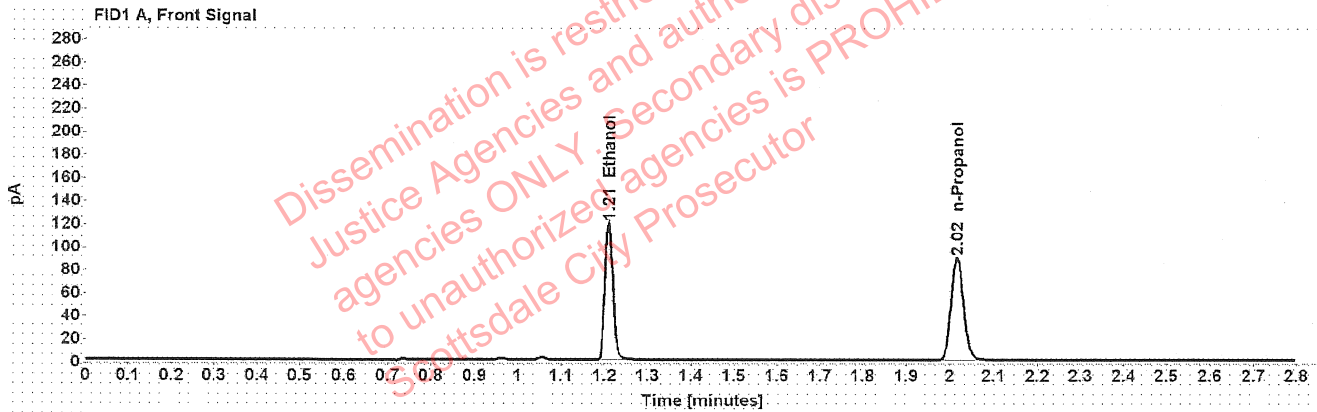


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2352	1.210	150.797
n-Propanol	-----	2.016	177.051

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

Compound	Time (min)	Peak Area
Ethanol	1.374	193.083
n-Propanol	2.466	225.409

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701MB	Vial:	28
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:20:03 PM
Data file:	C:\Chem32\1\Data\25Jan22\28.D	Analyst:	Brooke

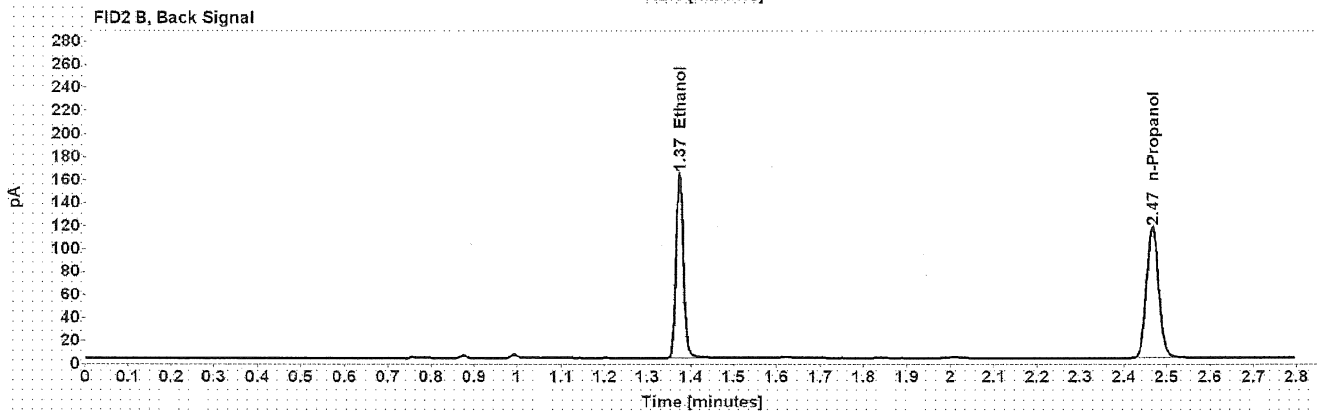
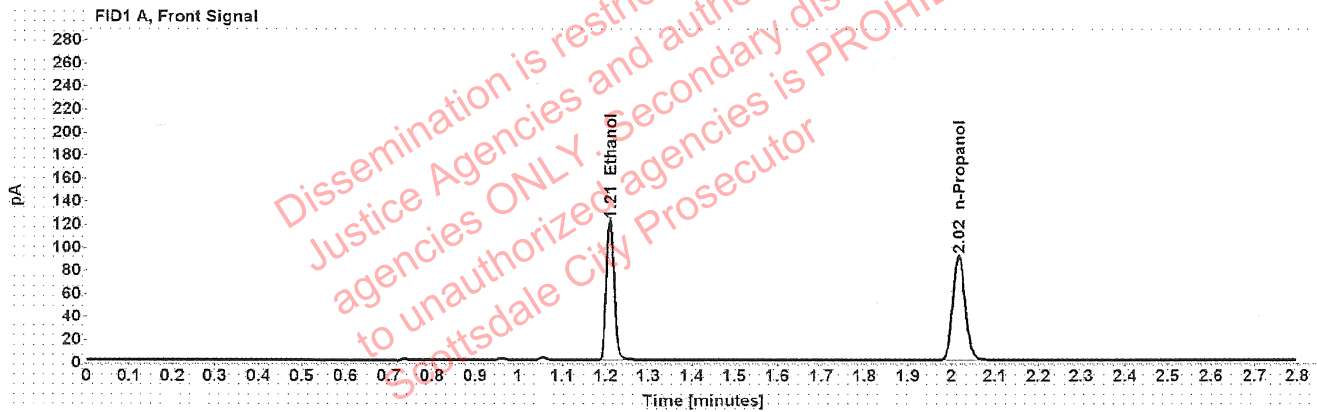


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2357	1.210	153.742
n-Propanol	-----	2.016	180.156

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

Compound	Time (min)	Peak Area
Ethanol	1.374	196.830
n-Propanol	2.466	229.580

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405424	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:24:04 PM
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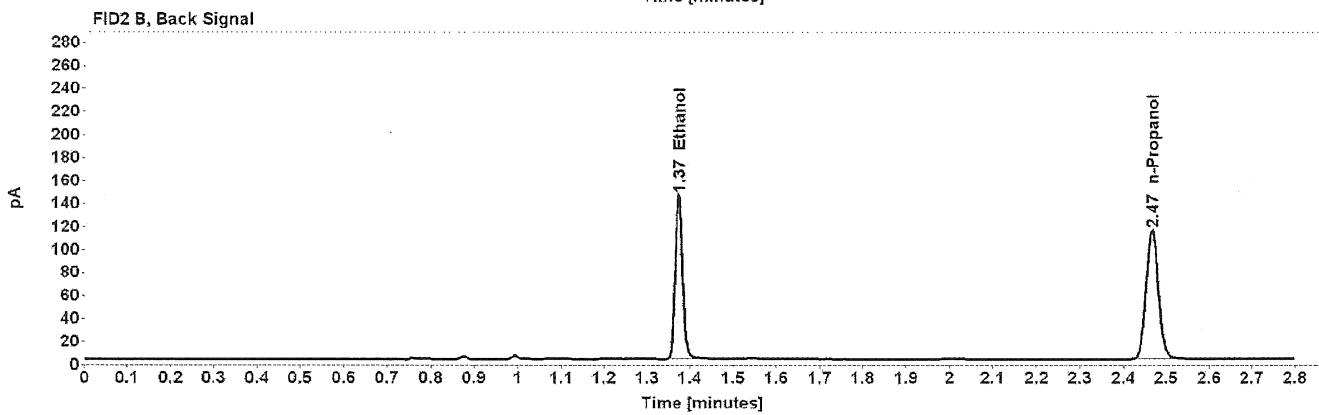
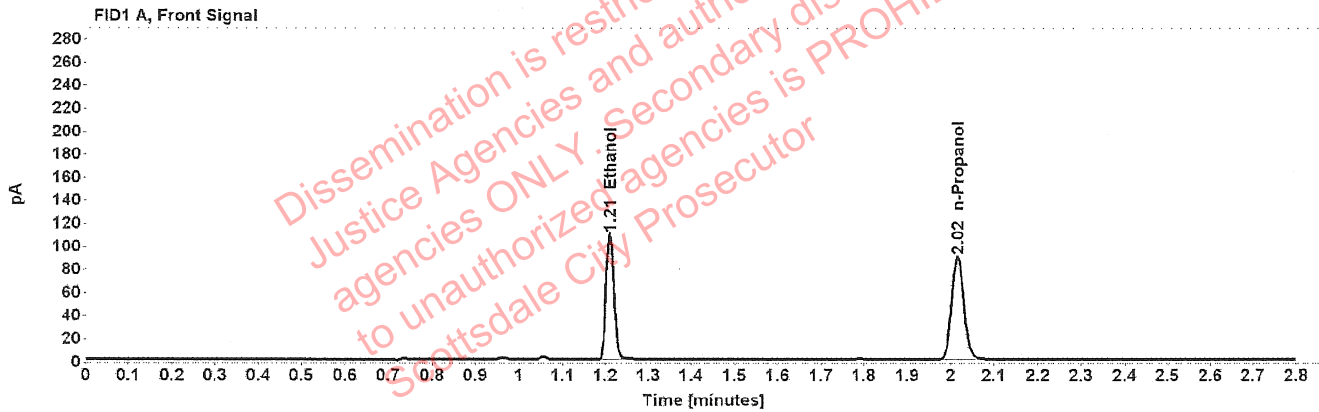


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2138	1.210	137.209
n-Propanol	-----	2.016	177.383

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

Compound	Time (min)	Peak Area
Ethanol	1.374	174.445
n-Propanol	2.466	225.162

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405424	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:28:03 PM
Data file:	C:\Chem32\1\Data\25Jan22\30.D	Analyst:	Brooke

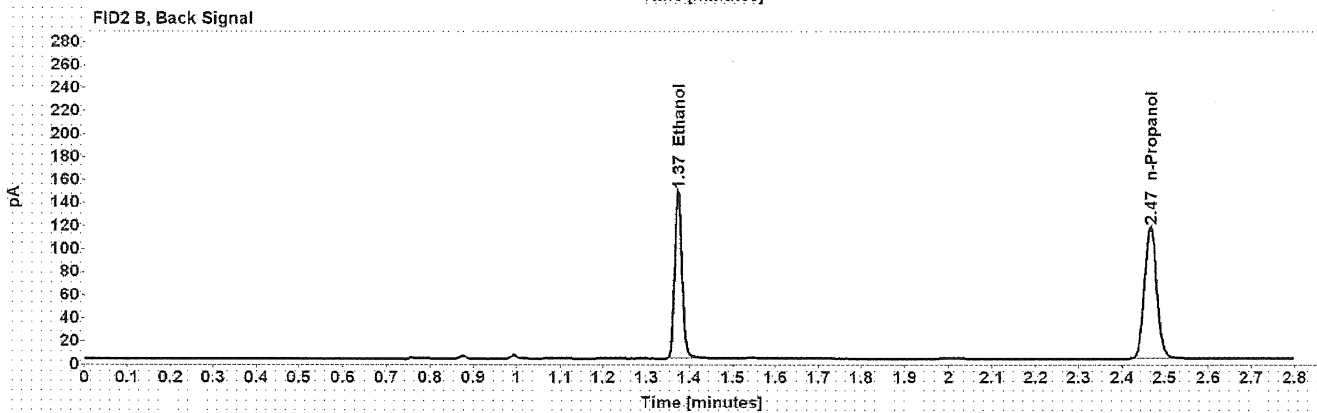
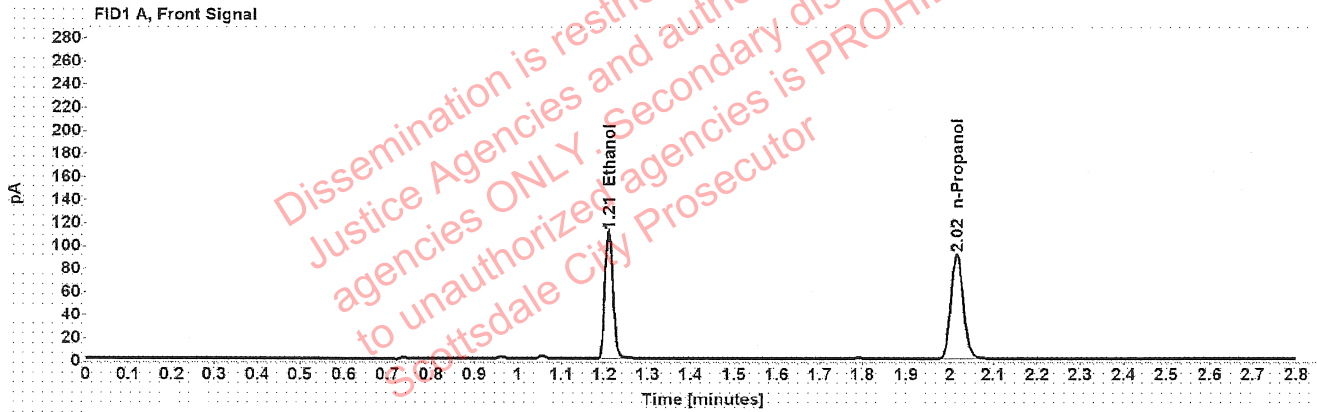


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2143	1.210	139.903
n-Propanol	-----	2.016	180.444

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

Compound	Time (min)	Peak Area
Ethanol	1.374	177.912
n-Propanol	2.466	228.945



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1403745	Vial:	32
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:36:18 PM
Data file:	C:\Chem32\1\Data\25Jan22\32.D	Analyst:	Brooke

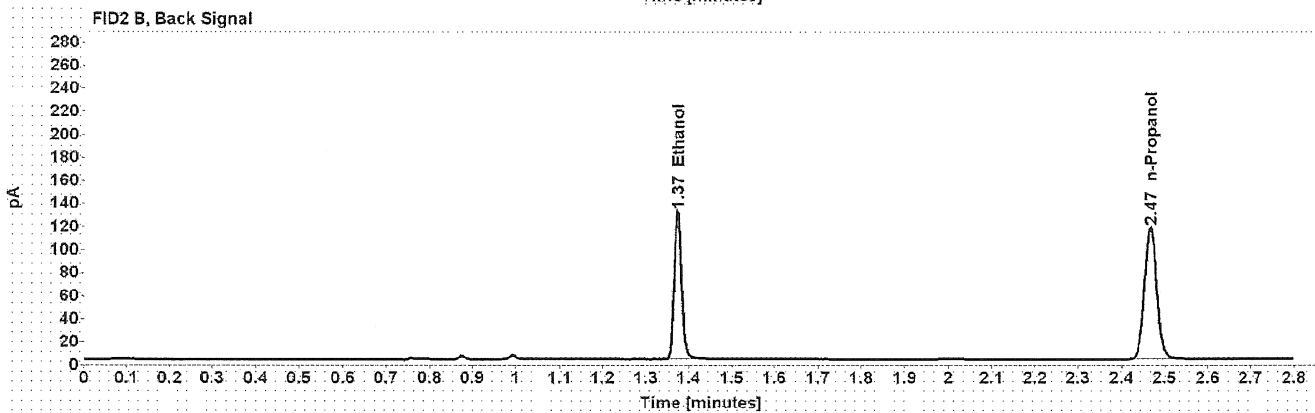
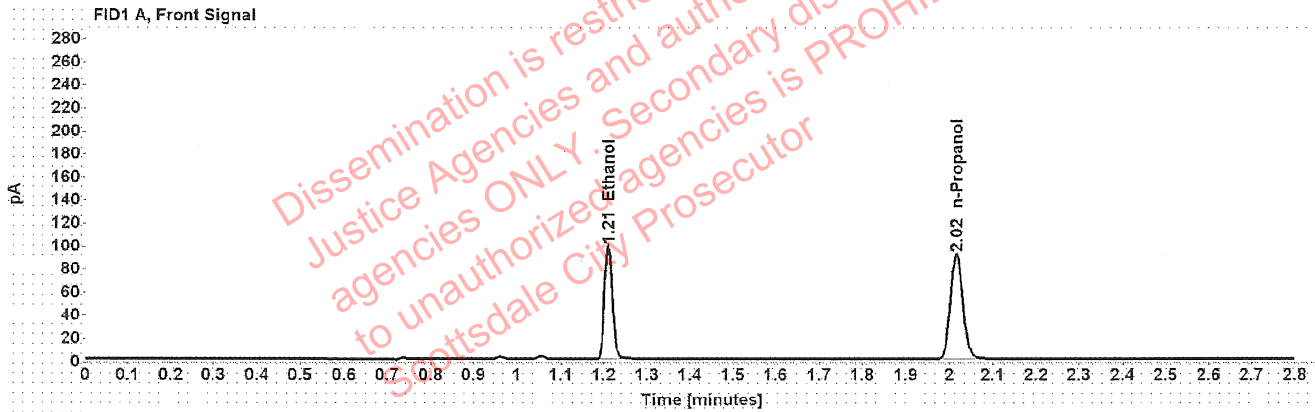


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1897	1.210	123.936
n-Propanol	-----	2.016	180.753

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

Compound	Time (min)	Peak Area
Ethanol	1.374	157.259
n-Propanol	2.466	229.313

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1403745	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:40:18 PM
Data file:	C:\Chem32\1\Data\25Jan22\33.D	Analyst:	Brooke

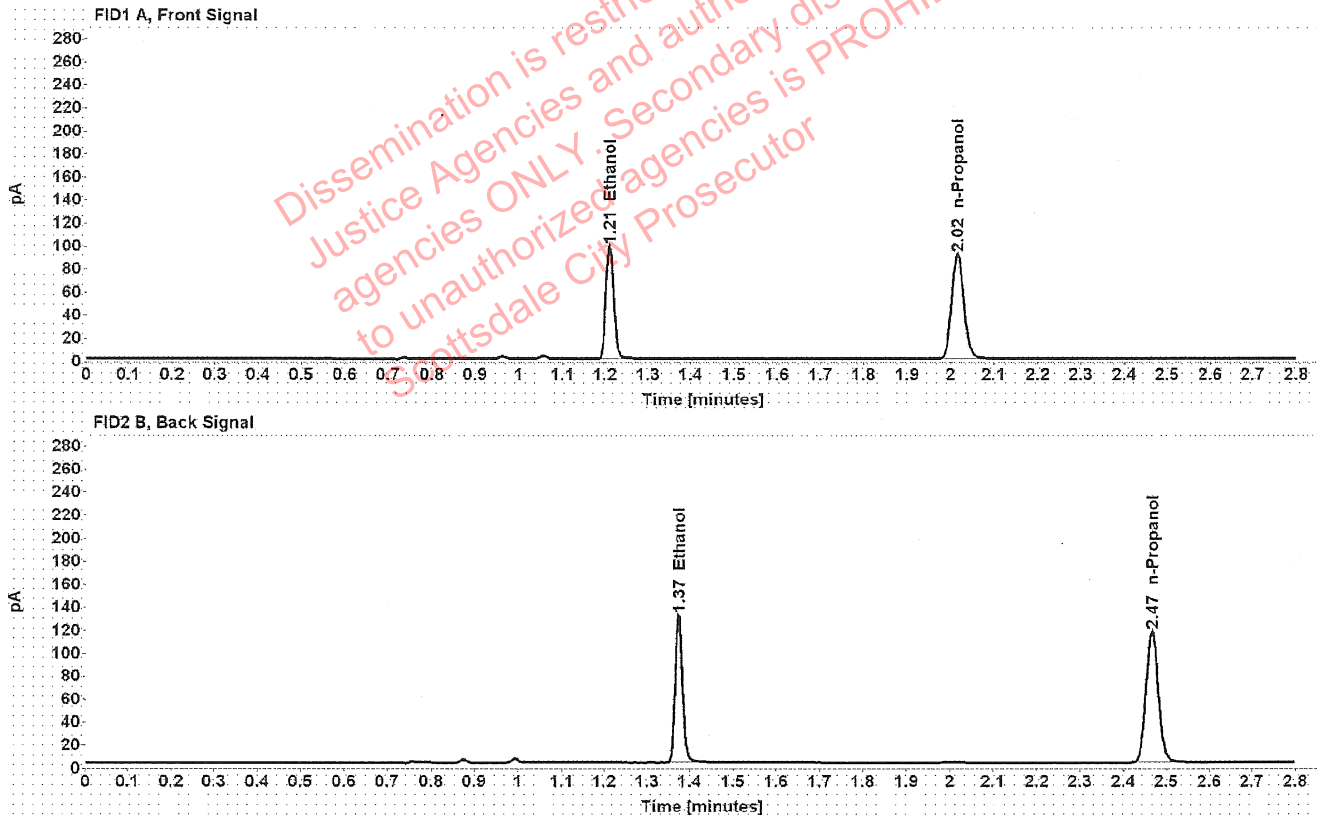


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1894	1.210	123.766
n-Propanol	-----	2.016	180.746

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

Compound	Time (min)	Peak Area
Ethanol	1.374	157.058
n-Propanol	2.467	229.287

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405600	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:44:18 PM
Data file:	C:\Chem32\1\Data\25Jan22\34.D	Analyst:	Brooke

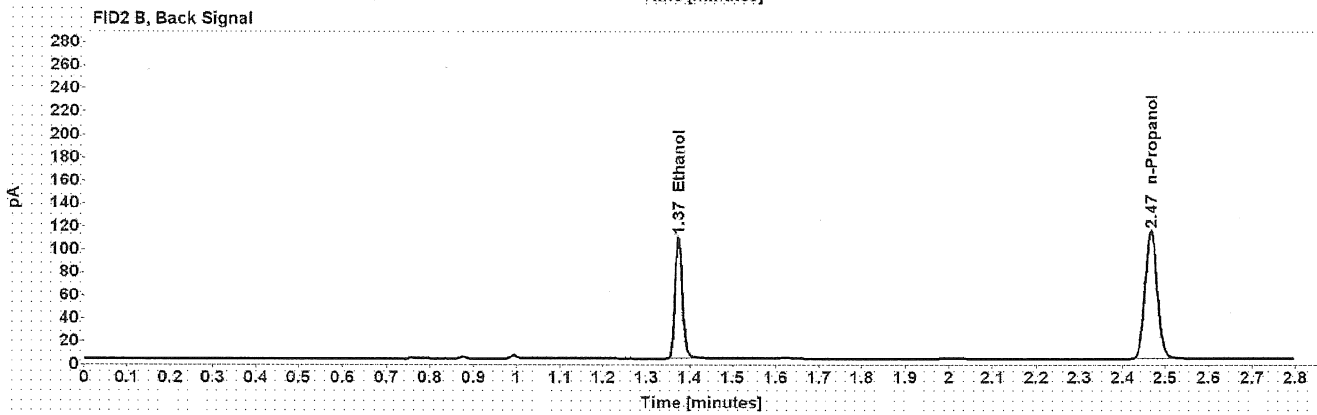
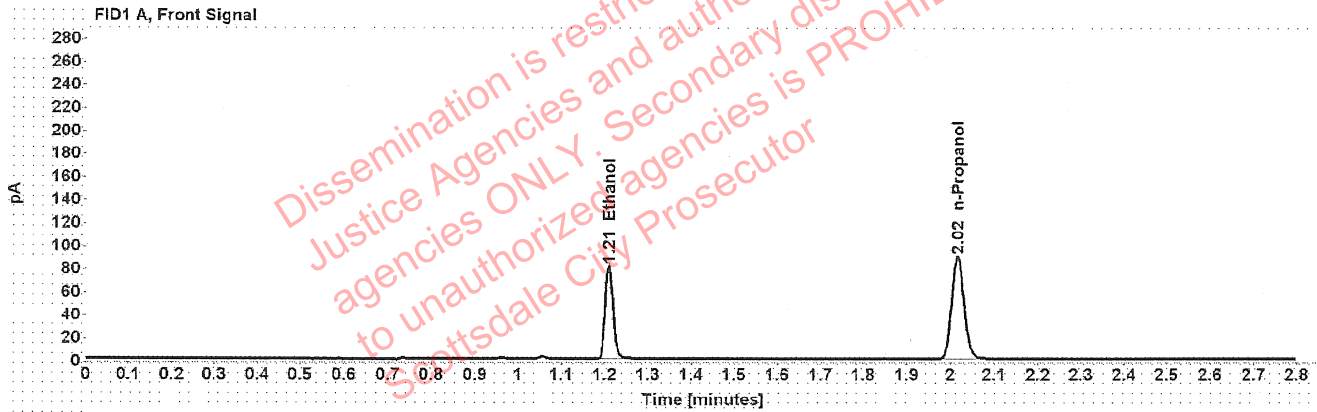


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1605	1.210	102.321
n-Propanol	-----	2.016	176.610

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.901
n-Propanol	2.466	224.659

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1405600	Vial: 35
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 25Jan22
Instrument: US14173023 CN14160045	Injection date: 1/25/2022 12:48:18 PM
Data file: C:\Chem32\1\Data\25Jan22\35.D	Analyst: Brooke

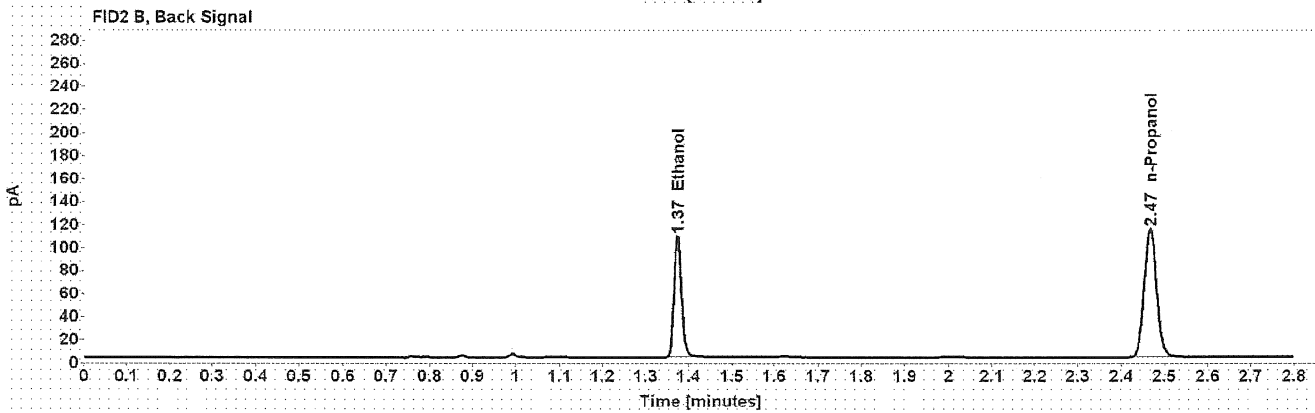
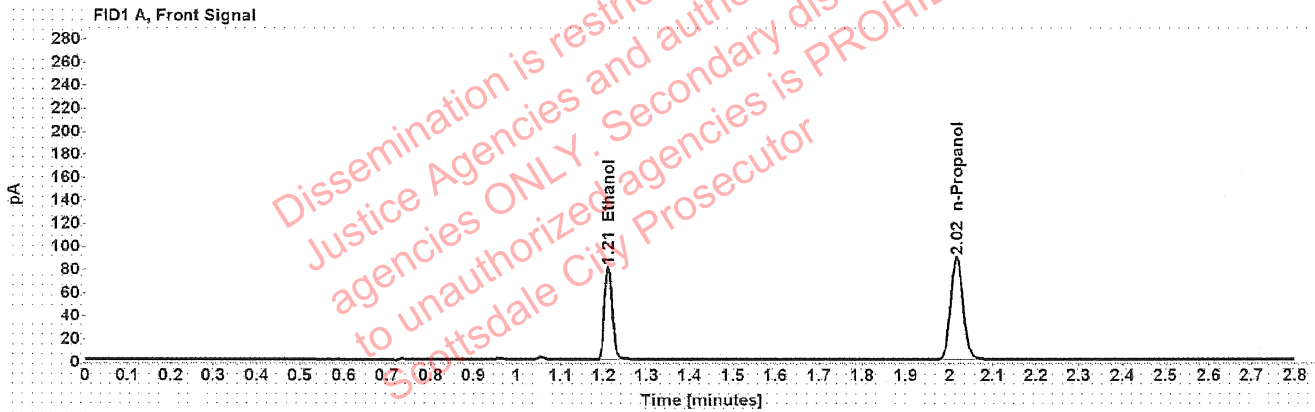


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1595	1.210	101.744
n-Propanol	-----	2.016	176.801

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.229
n-Propanol	2.467	224.000

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1405640	Vial: 36
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 25Jan22
Instrument: US14173023 CN14160045	Injection date: 1/25/2022 12:52:18 PM
Data file: C:\Chem32\1\Data\25Jan22\36.D	Analyst: Brooke

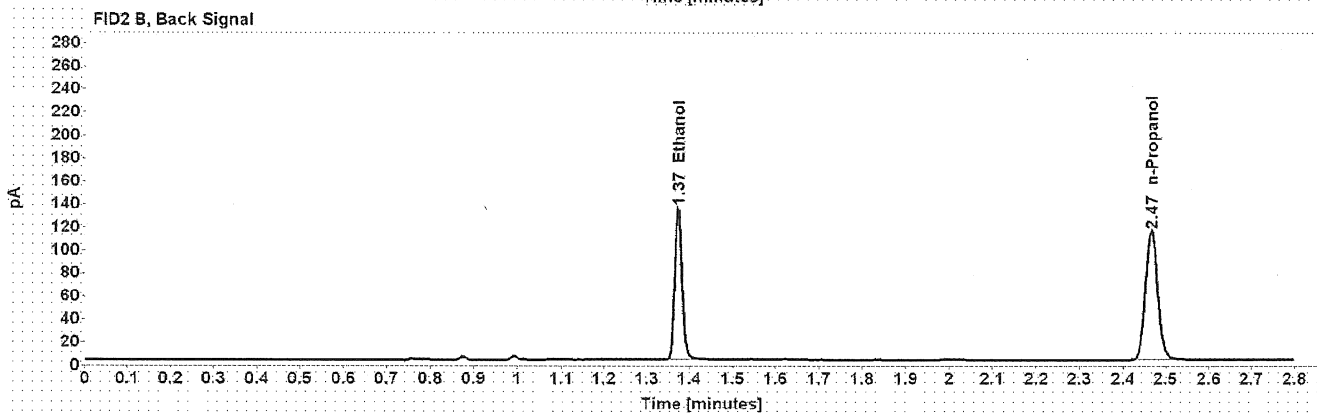
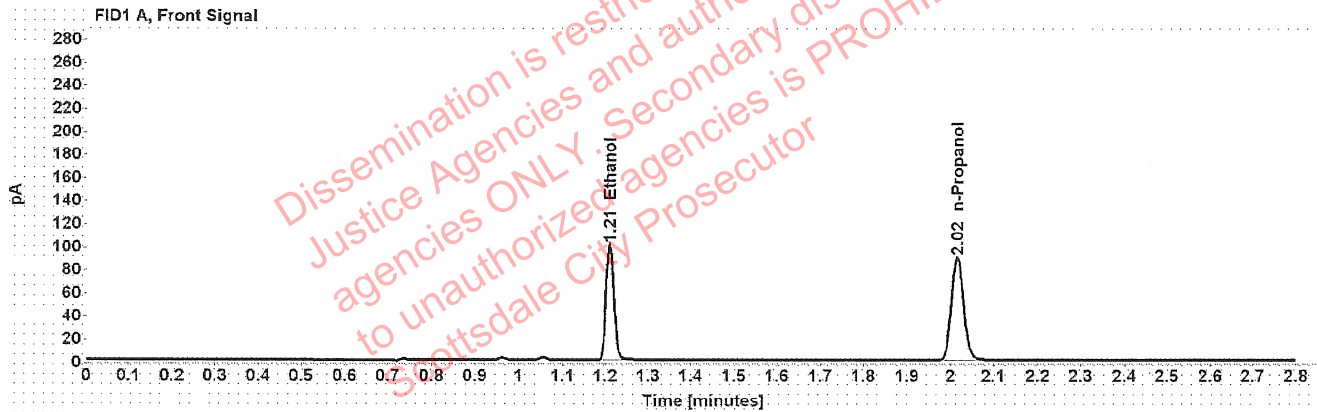


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1975	1.210	126.774
n-Propanol	-----	2.016	177.503

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.825
n-Propanol	2.466	225.655

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405640	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 12:56:32 PM
Data file:	C:\Chem32\1\Data\25Jan22\37.D	Analyst:	Brooke

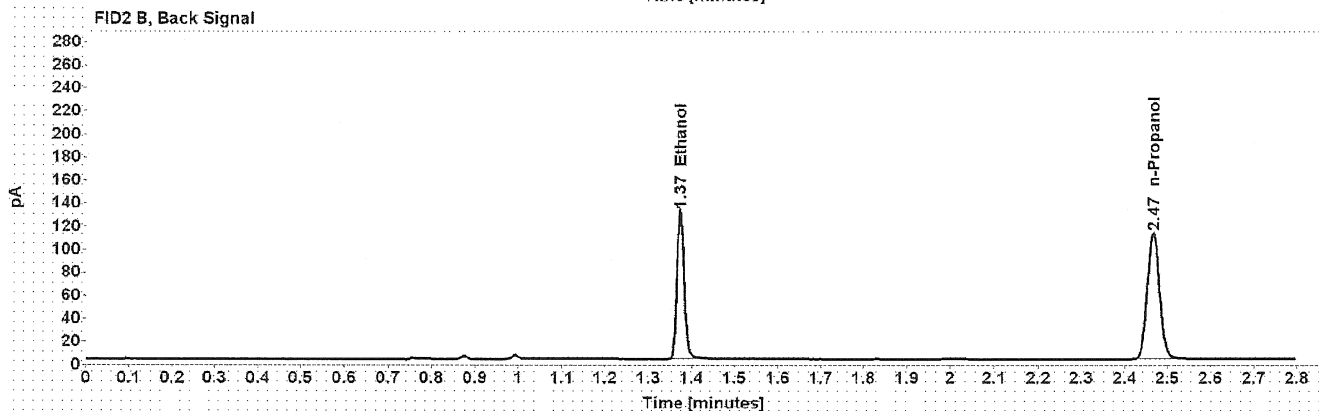
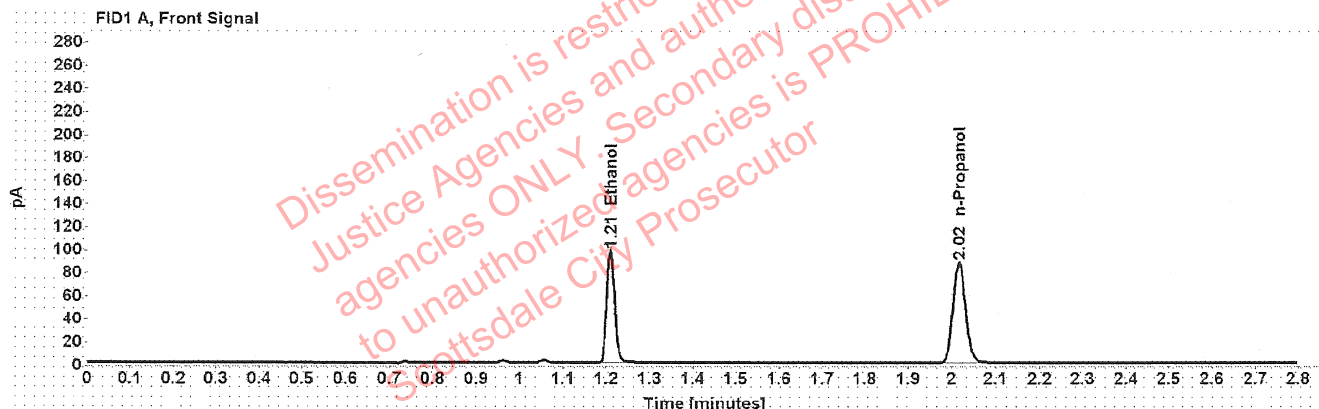


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1969	1.210	123.627
n-Propanol	-----	2.016	173.614

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

Compound	Time (min)	Peak Area
Ethanol	1.374	156.884
n-Propanol	2.466	220.631

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405764	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 1:00:34 PM
Data file:	C:\Chem32\1\Data\25Jan22\38.D	Analyst:	Brooke

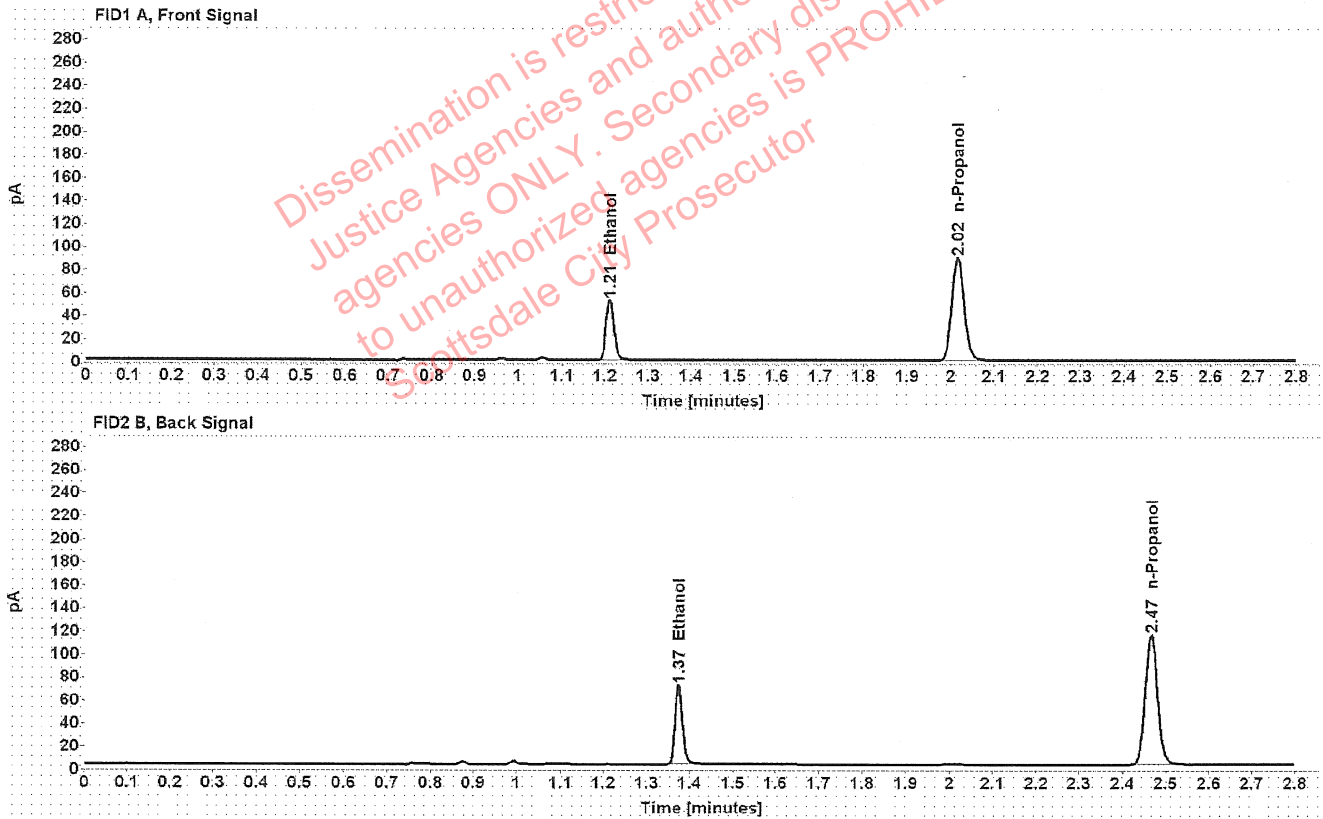


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1046	1.211	66.498
n-Propanol	-----	2.016	177.224

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

Compound	Time (min)	Peak Area
Ethanol	1.374	84.114
n-Propanol	2.466	225.297

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405764	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 1:04:32 PM
Data file:	C:\Chem32\1\Data\25Jan22\39.D	Analyst:	Brooke

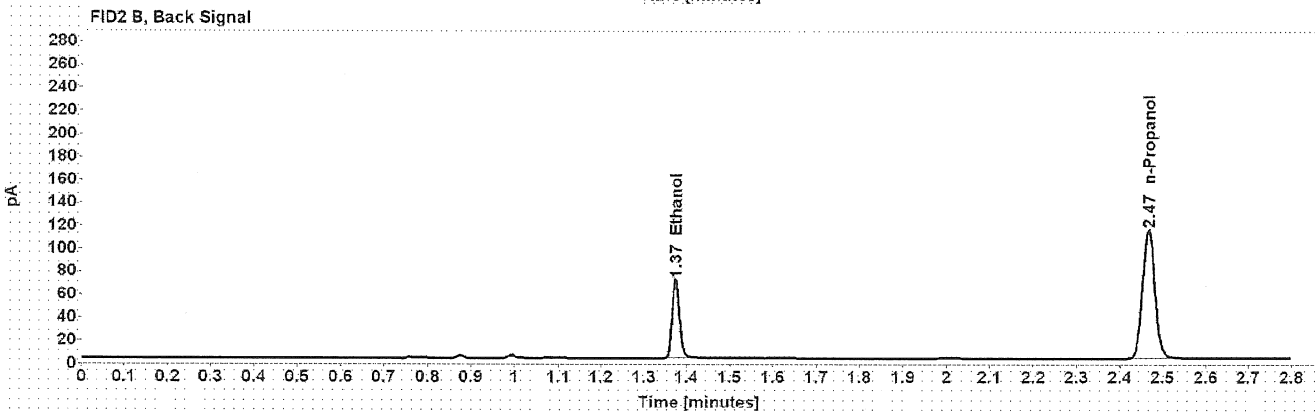
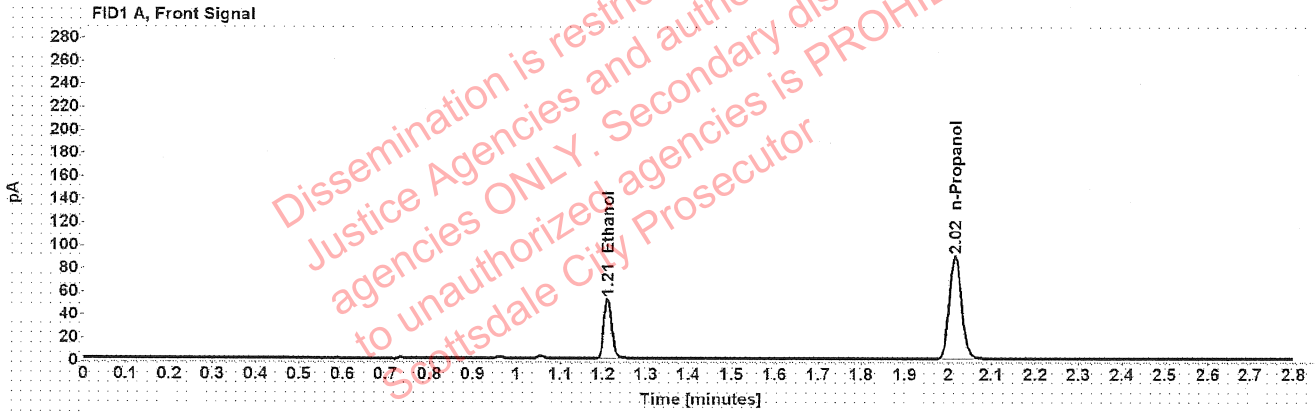


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1042	1.211	66.053
n-Propanol	-----	2.016	176.636

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

Compound	Time (min)	Peak Area
Ethanol	1.374	83.467
n-Propanol	2.466	224.438



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1401154	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 1:08:33 PM
Data file:	C:\Chem32\1\Data\25Jan22\40.D	Analyst:	Brooke

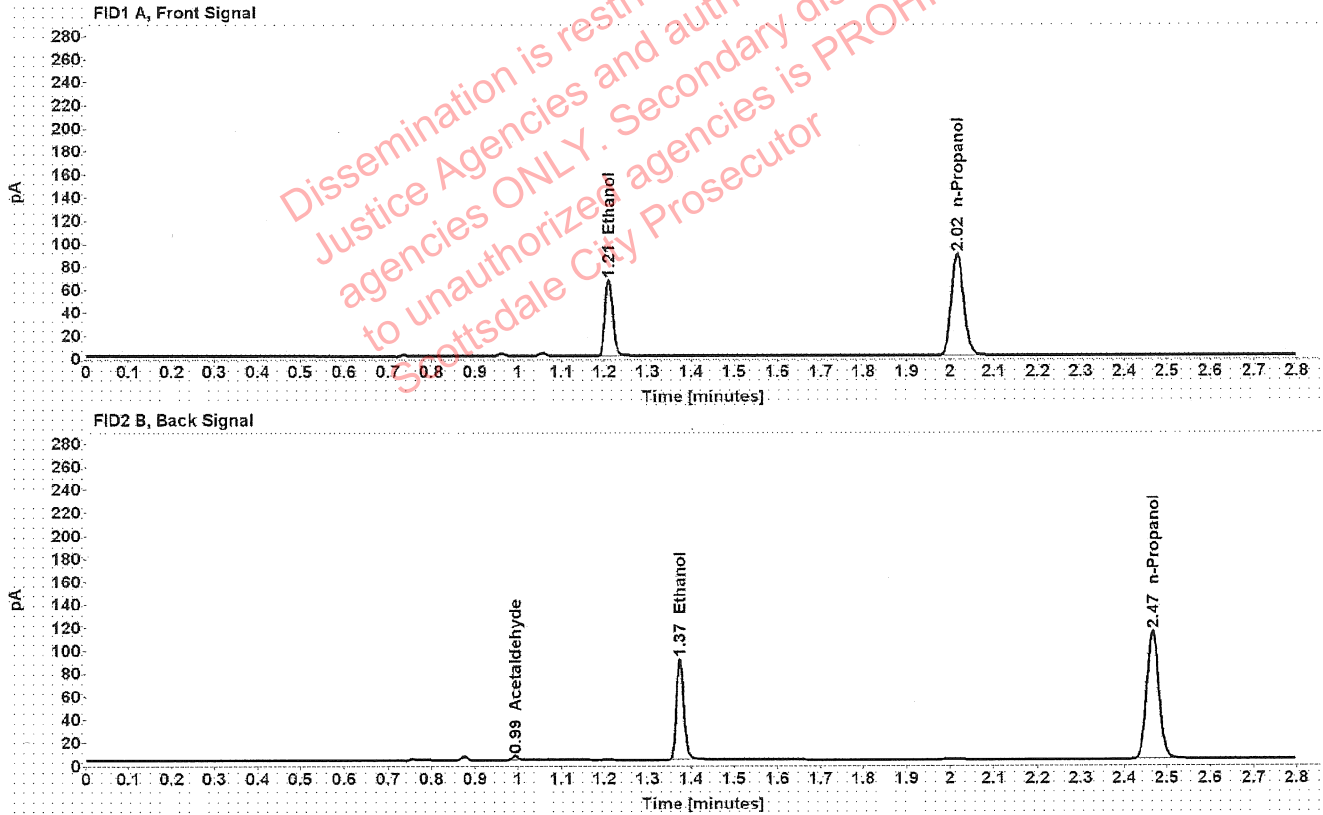


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1336	1.210	84.503
n-Propanol	-----	2.016	175.649

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.765
Ethanol	1.374	107.157
n-Propanol	2.466	223.088

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1401154	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan22
Instrument:	US14173023 CN14160045	Injection date:	1/25/2022 1:12:34 PM
Data file:	C:\Chem32\1\Data\25Jan22\41.D	Analyst:	Brooke

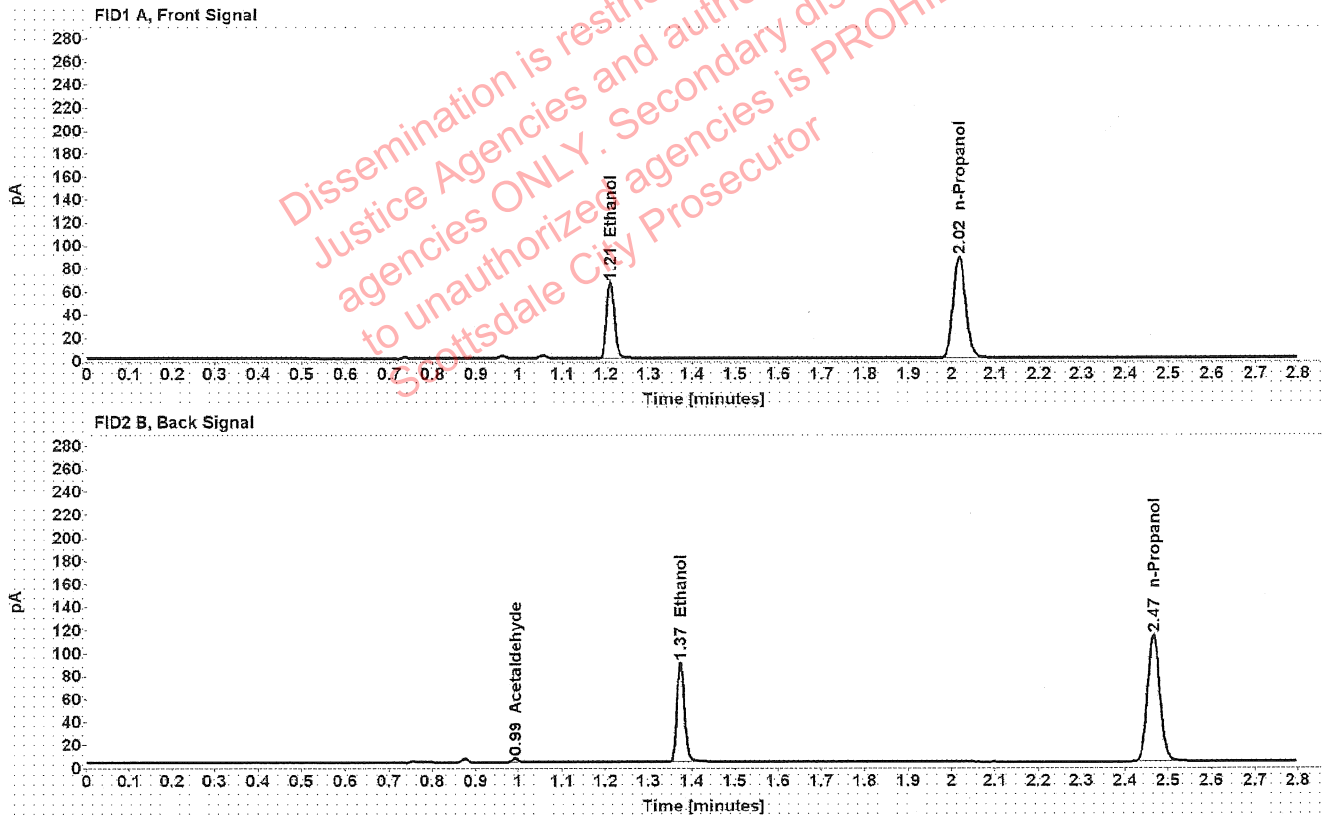


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1336	1.210	84.085
n-Propanol	-----	2.016	174.825

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.758
Ethanol	1.374	106.623
n-Propanol	2.466	222.080