

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/2/21 SEQUENCE NAME 02Nov21

**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 100421AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.408 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	0.202 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	0.405 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/2
45	Blank	Not detected	Not detected	SPD Lab 111020WB

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

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

Run valid  Oliver B... Run valid  Eike Camonico  
 Run invalid  Analyst Run invalid  Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

B

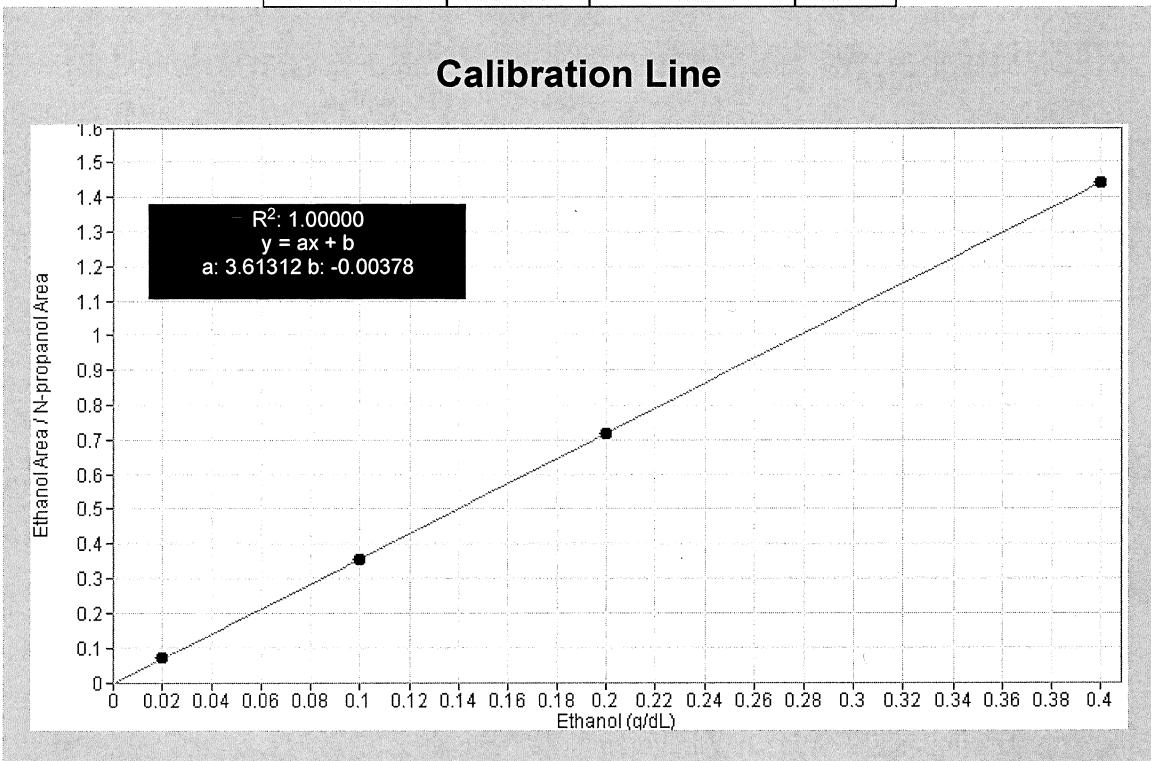
SEQUENCE NAME: 02Nov21

ANALYST: Brooke

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	0.408	0.400	2.00	0.008
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/2	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 11092018-A	42	0.405	0.400	1.25	0.005
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.199 4110320133/2	44	0.203	0.199	2.01	0.004
blank 111020WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.768	169.171	0.070
0.100	60.636	169.987	0.357
0.200	120.709	168.108	0.718
0.400	241.676	167.595	1.442

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN06141806	Vial:	1
Description:	0.020 calibrator	Sequence:	02Nov21
Method:	ethanol quant.M	Injection date:	11/2/2021 12:07:54 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke <i>VB</i>
Data file:	C:\Chem32\1\Data\02Nov21\1.D		

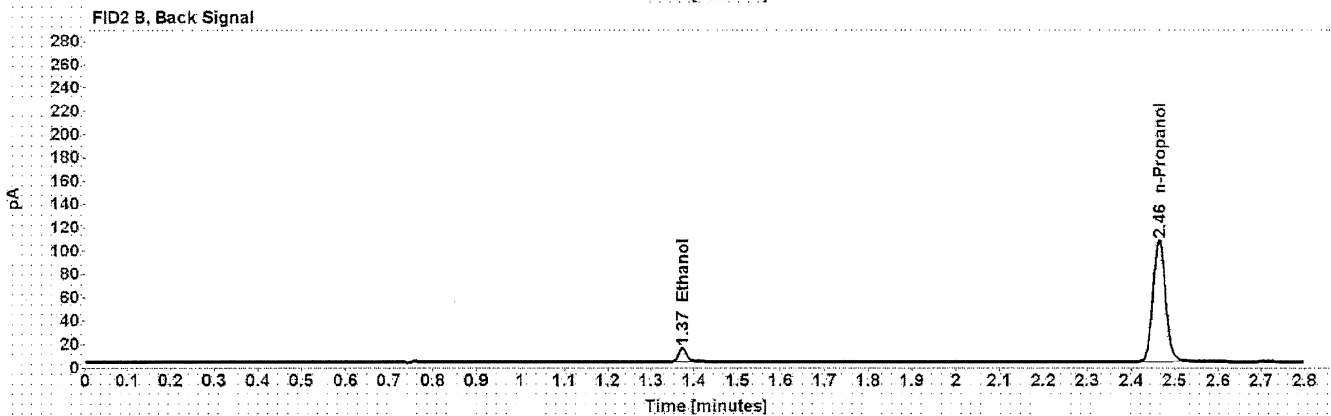
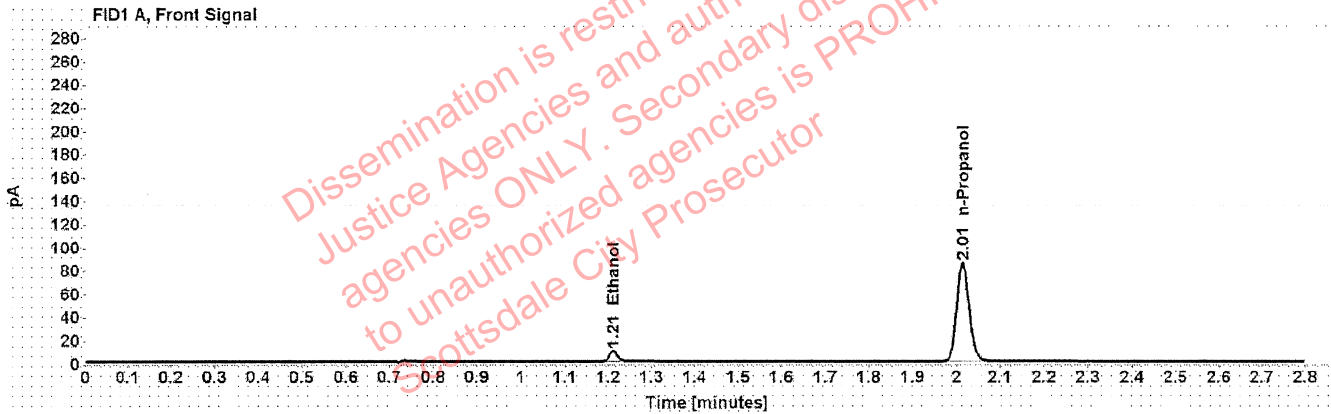


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.768
n-Propanol	2.014	169.171

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

Compound	Time (min)	Peak Area
Ethanol	1.373	14.622
n-Propanol	2.464	209.071

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN05311902	<b>Vial:</b>	2
<b>Description:</b>	0.100 calibrator	<b>Sequence:</b>	02Nov21
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	11/2/2021 12:11:53 PM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Brooke <span style="float: right;">PB</span>
<b>Data file:</b>	C:\Chem32\1\Data\02Nov21\2.D		

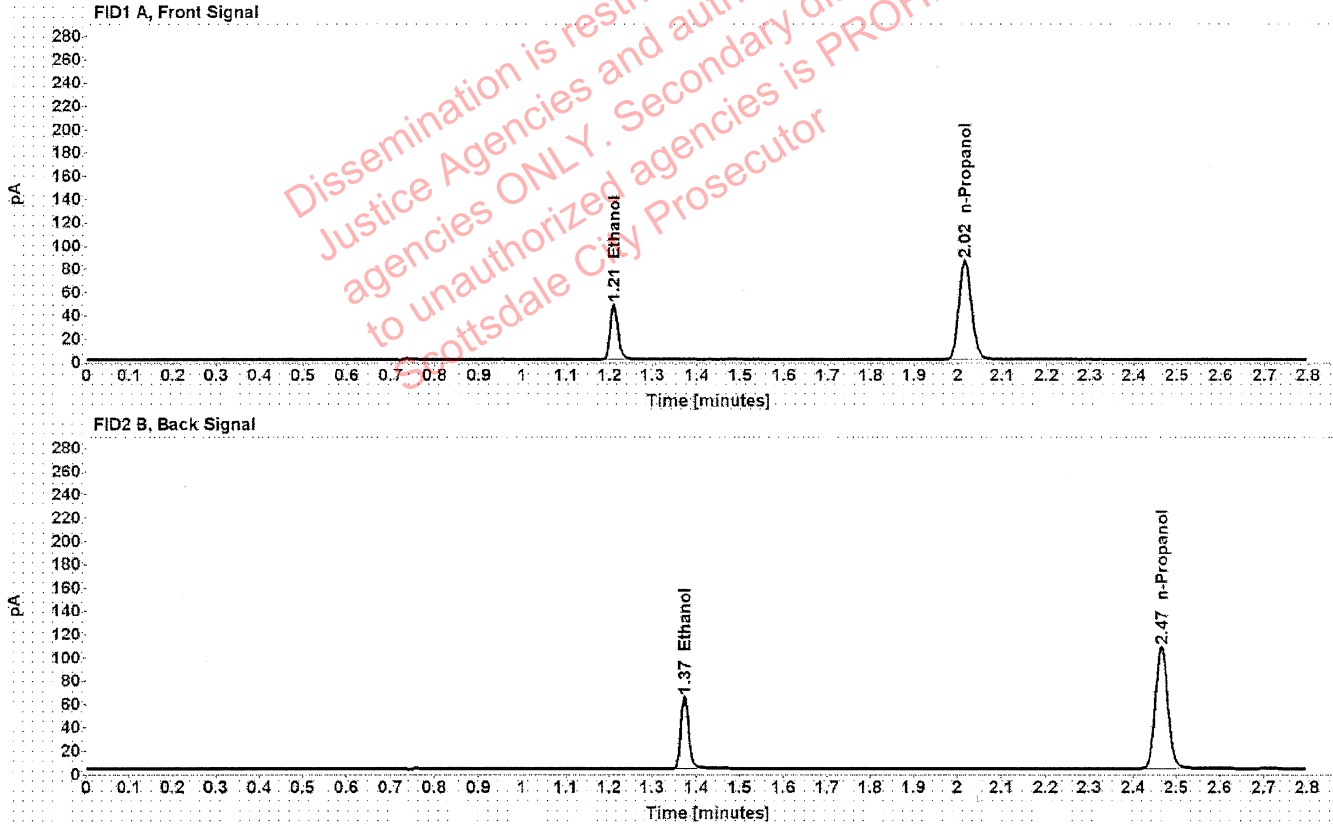


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.636
n-Propanol	2.015	169.987

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

Compound	Time (min)	Peak Area
Ethanol	1.373	75.543
n-Propanol	2.466	209.952

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN05101903	<b>Vial:</b>	3
<b>Description:</b>	0.200 calibrator	<b>Sequence:</b>	02Nov21
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	11/2/2021 12:15:53 PM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Brooke <span style="float: right;">PB</span>
<b>Data file:</b>	C:\Chem32\1\Data\02Nov21\3.D		

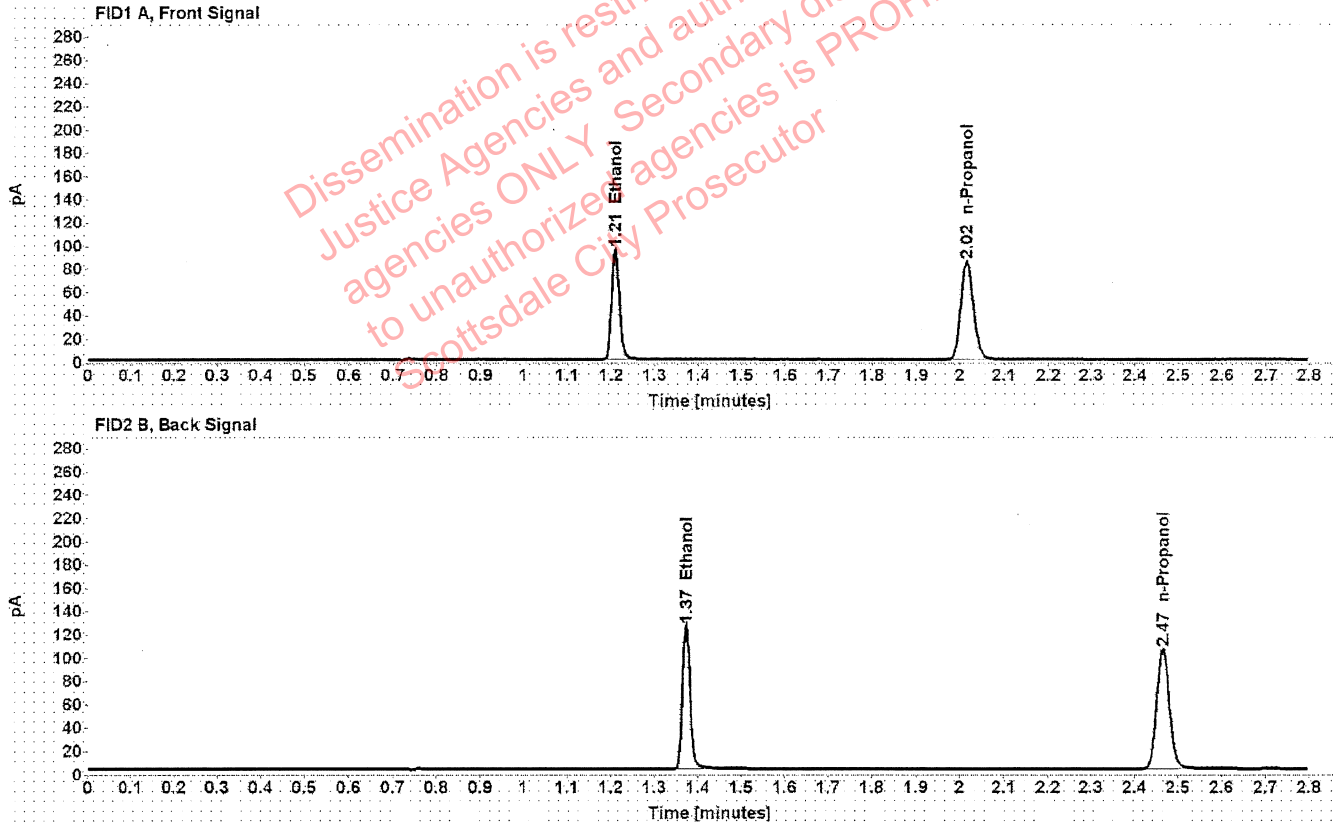


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.709
n-Propanol	2.016	168.108

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

Compound	Time (min)	Peak Area
Ethanol	1.373	150.907
n-Propanol	2.466	207.680

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN10051906	<b>Vial:</b>	4
<b>Description:</b>	0.400 calibrator	<b>Sequence:</b>	02Nov21
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	11/2/2021 12:19:54 PM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Brooke <span style="float: right;">RB</span>
<b>Data file:</b>	C:\Chem32\1\Data\02Nov21\4.D		

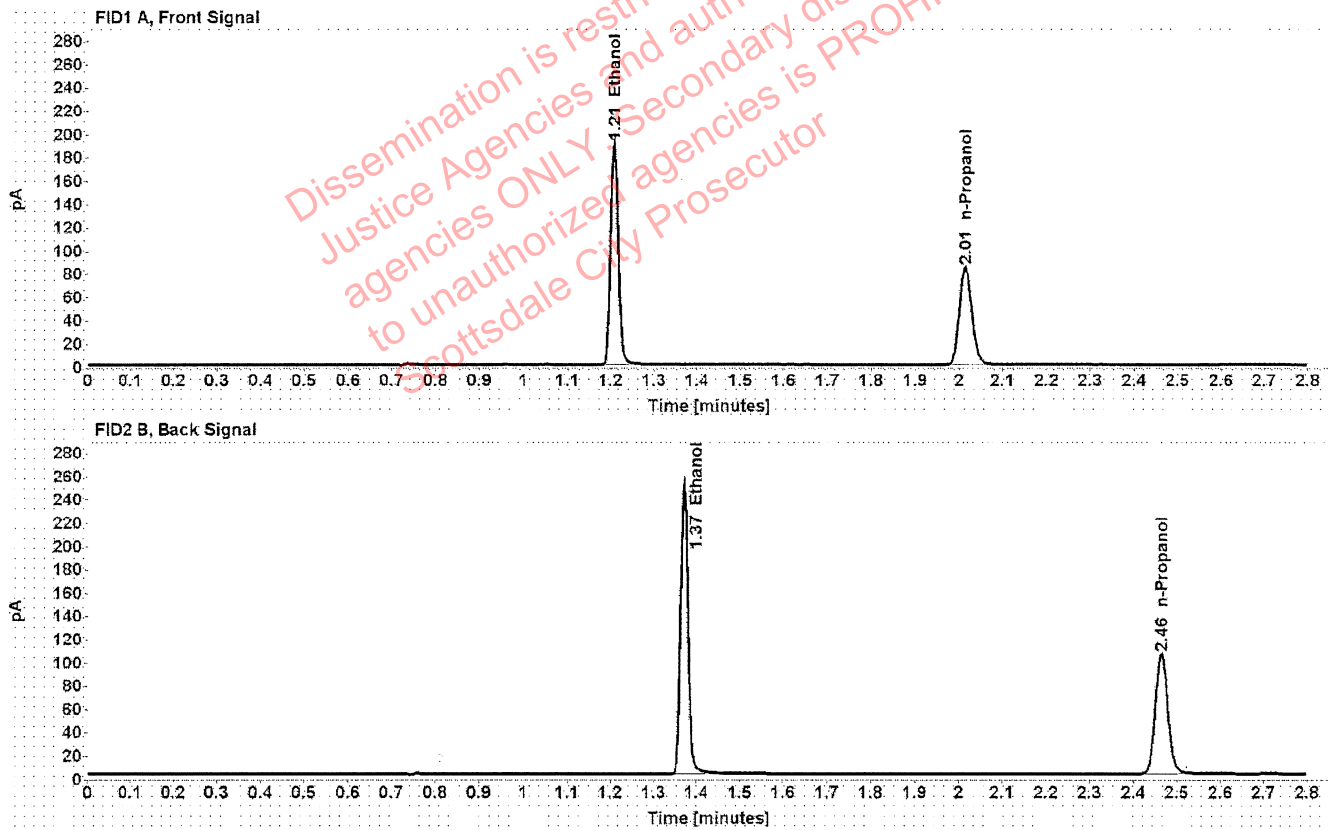


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	241.676
n-Propanol	2.015	167.595

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

Compound	Time (min)	Peak Area
Ethanol	1.372	302.512
n-Propanol	2.464	207.098

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	100421AQ	<b>Vial:</b>	5
<b>Description:</b>	Negative	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	02Nov21
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	11/2/2021 12:23:53 PM
<b>Data file:</b>	C:\Chem32\1\Data\02Nov21\5.D	<b>Analyst:</b>	Brooke <i>YB</i>

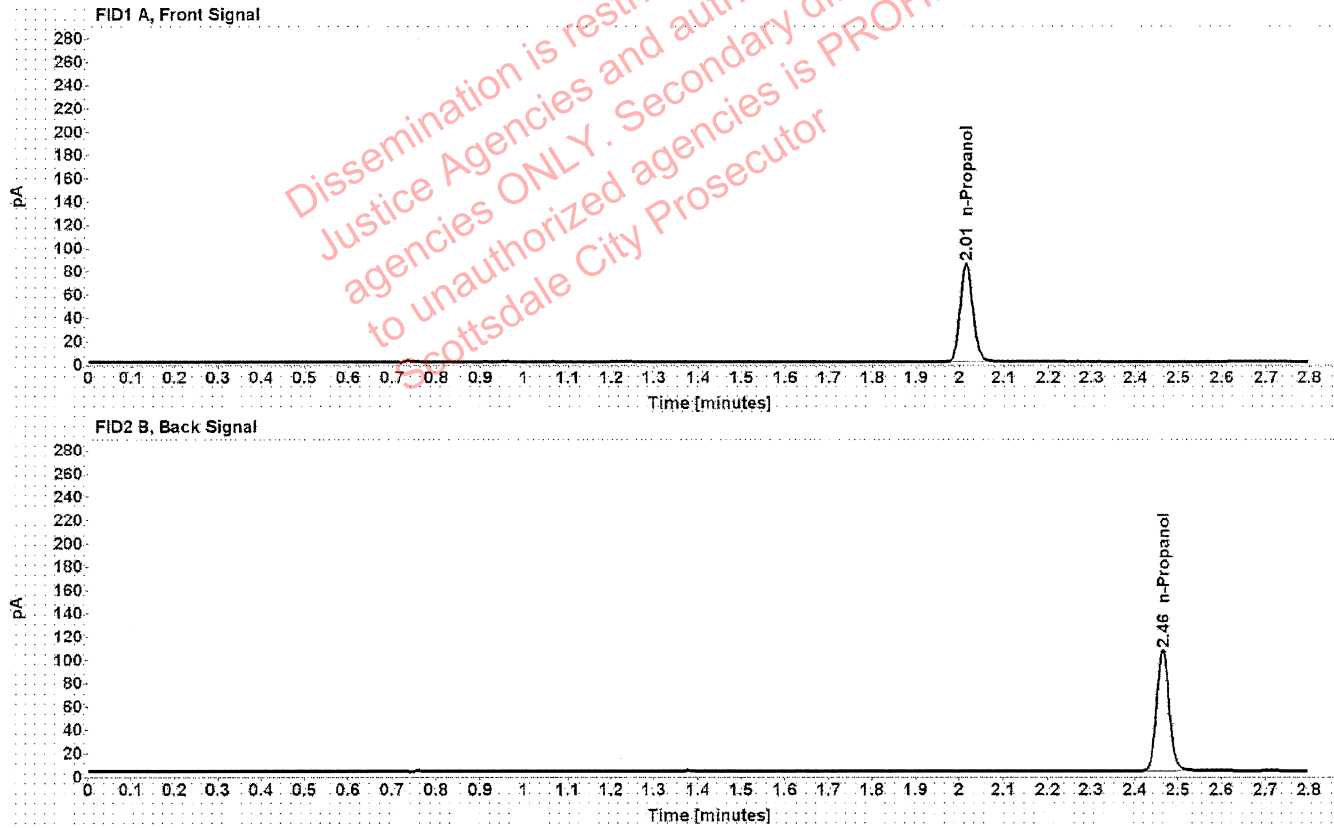


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	169.037

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	208.608

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 12:27:54 PM
Data file:	C:\Chem32\1\Data\02Nov21\6.D	Analyst:	Brooke <i>RB</i>

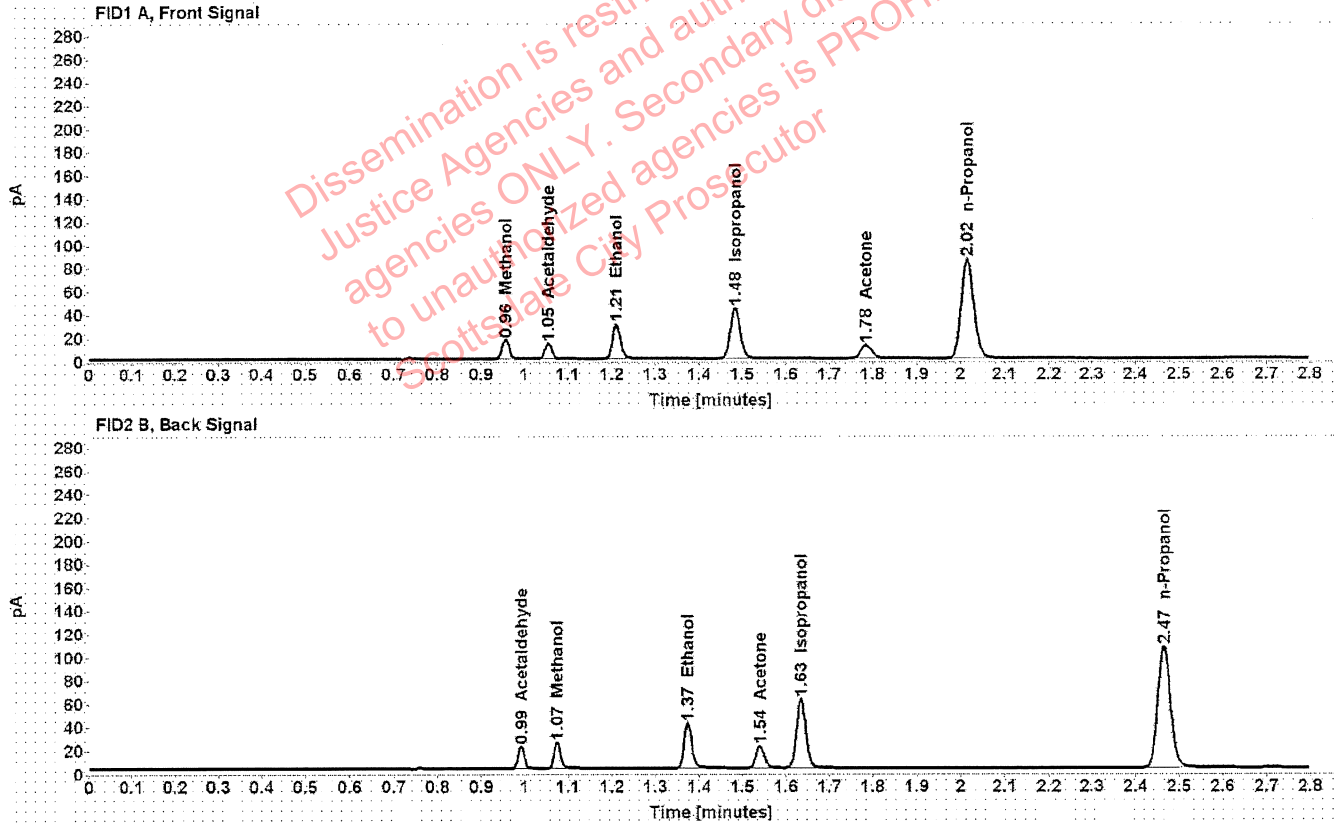


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.426
Acetaldehyde	-----	1.055	14.137
>Ethanol	0.0635	1.210	38.298
Isopropanol	-----	1.483	69.540
Acetone	-----	1.785	19.525
n-Propanol	-----	2.015	169.716

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	18.376
Methanol	1.075	23.673
Ethanol	1.373	47.575
Acetone	1.540	24.536
Isopropanol	1.635	88.909
n-Propanol	2.465	209.634



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	11092018-A	<b>Vial:</b>	7
<b>Description:</b>	0.400	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	02Nov21
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	11/2/2021 12:32:08 PM
<b>Data file:</b>	C:\Chem32\1\Data\02Nov21\7.D	<b>Analyst:</b>	Brooke <i>YB</i>

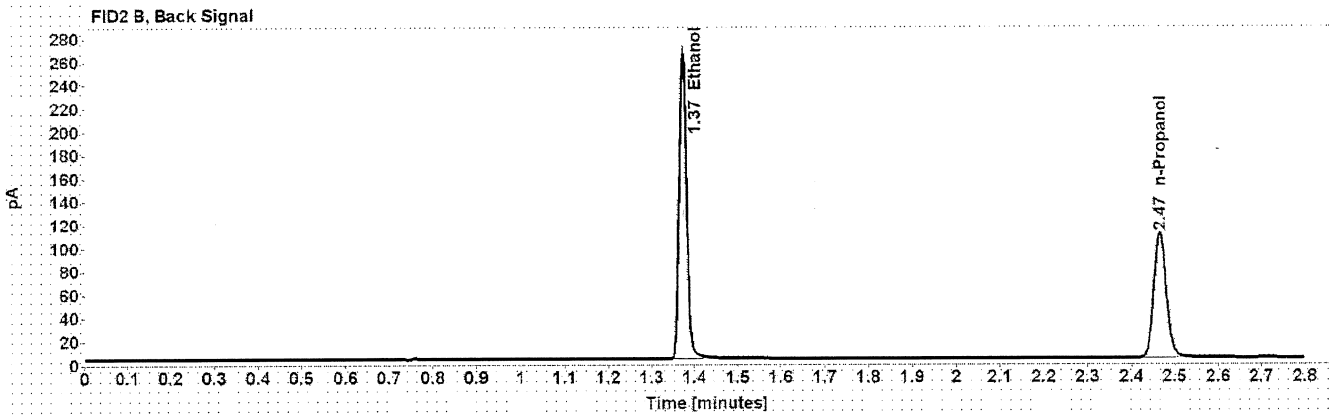
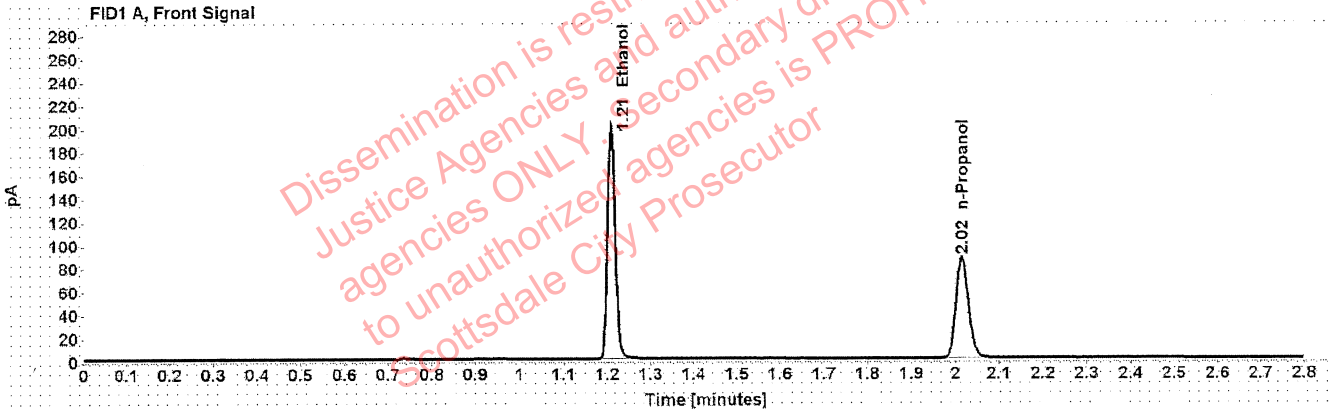


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4088	1.209	255.458
n-Propanol	-----	2.016	173.389

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

Compound	Time (min)	Peak Area
Ethanol	1.373	319.736
n-Propanol	2.466	214.379

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 12:36:09 PM
Data file:	C:\Chem32\1\Data\02Nov21\8.D	Analyst:	Brooke <i>AB</i>

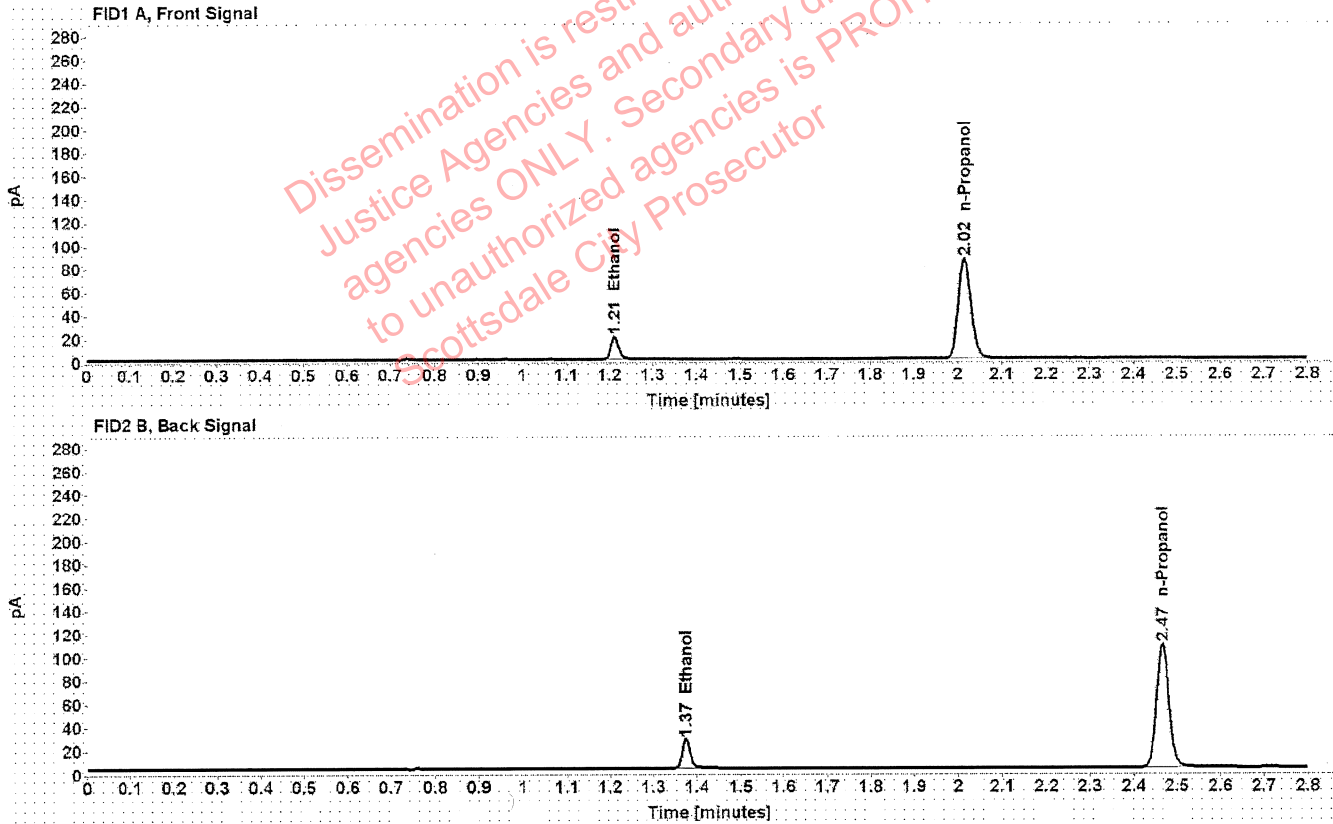


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.211	24.806
n-Propanol	-----	2.016	171.423

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

Compound	Time (min)	Peak Area
Ethanol	1.375	30.828
n-Propanol	2.466	212.083

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/2	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 12:40:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\9.D	Analyst:	Brooke <i>RB</i>

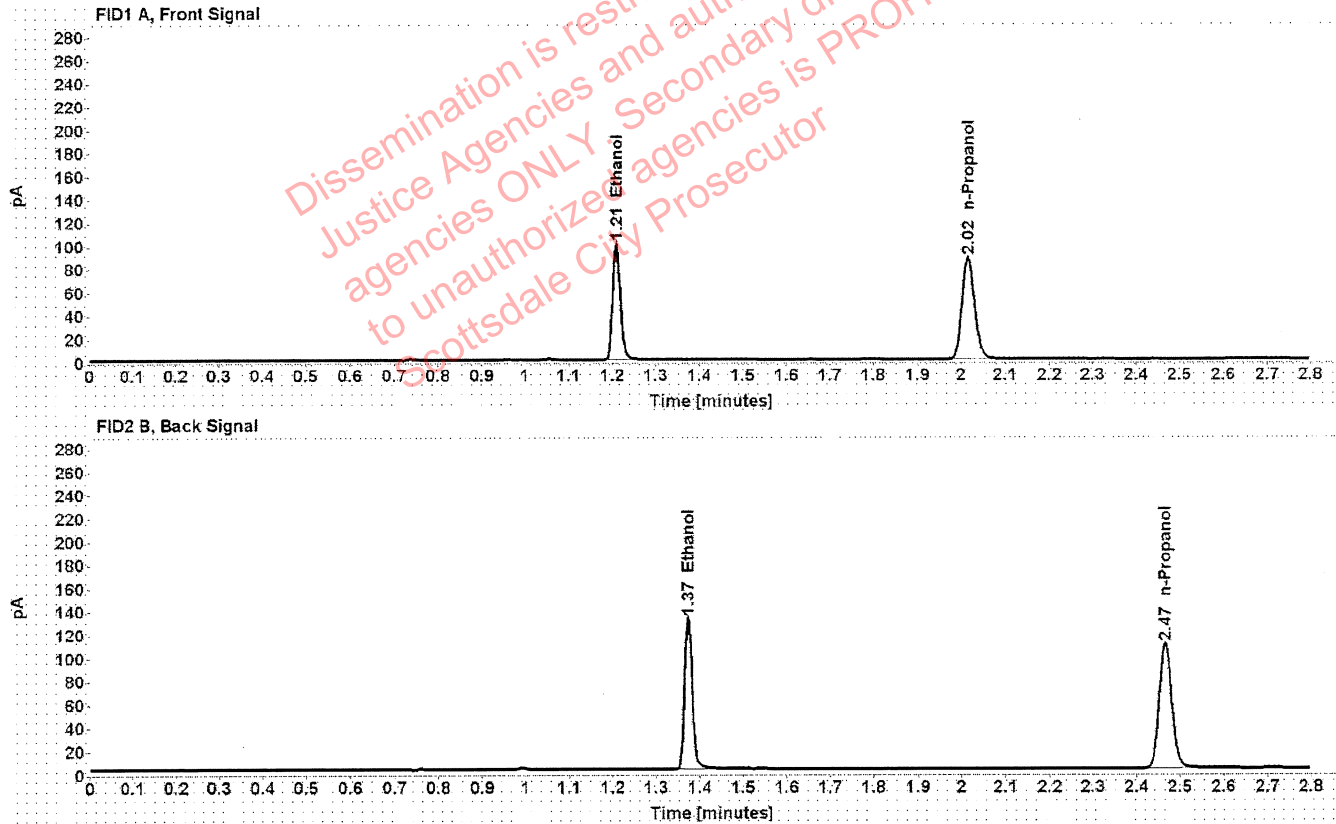


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2027	1.210	127.199
n-Propanol	-----	2.016	174.603

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

Compound	Time (min)	Peak Area
Ethanol	1.374	159.556
n-Propanol	2.466	216.565

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:24:38 PM
Data file:	C:\Chem32\1\Data\02Nov21\20.D	Analyst:	Brooke <i>JB</i>

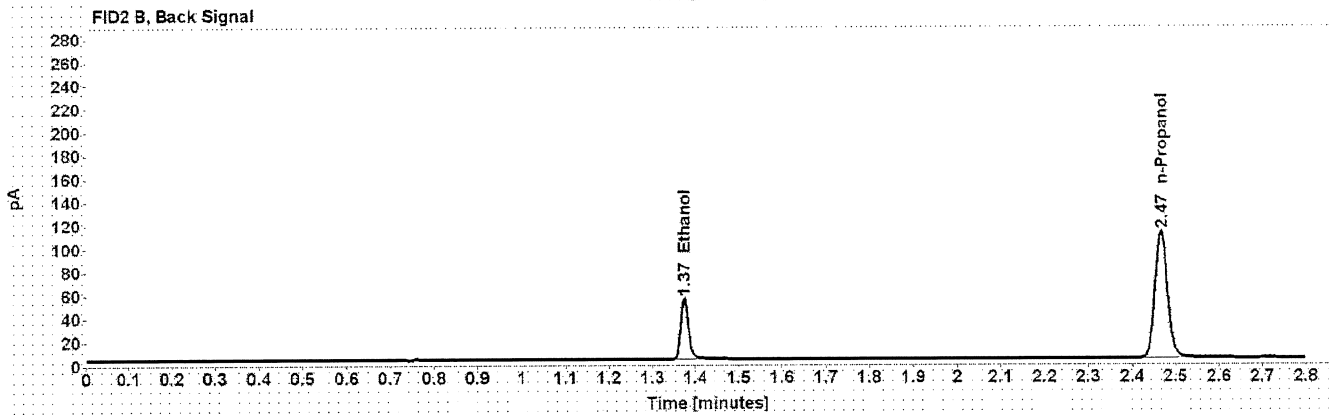
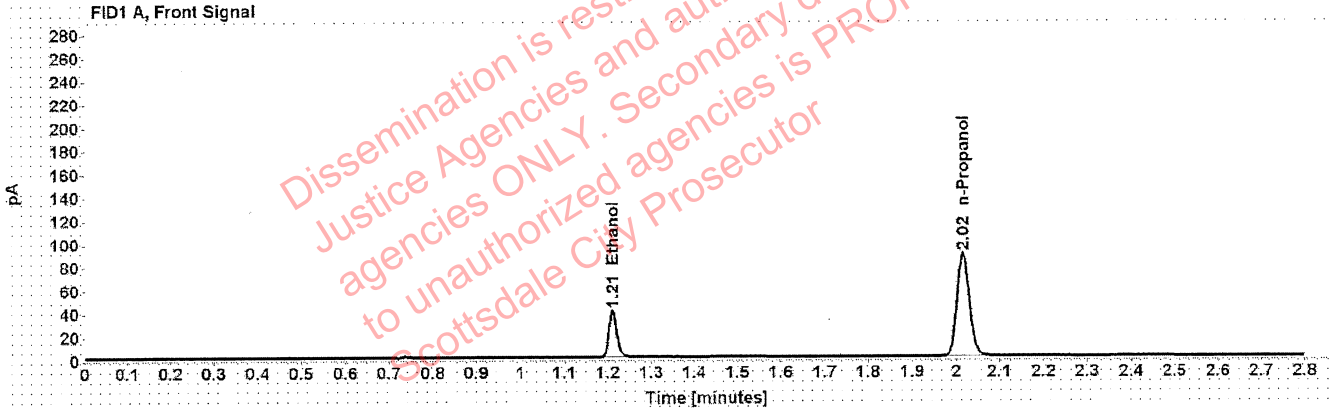


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0818	1.211	51.420
n-Propanol	-----	2.016	176.214

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

Compound	Time (min)	Peak Area
Ethanol	1.374	64.424
n-Propanol	2.466	219.630

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:09:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\31.D	Analyst:	Brooke <i>AB</i>

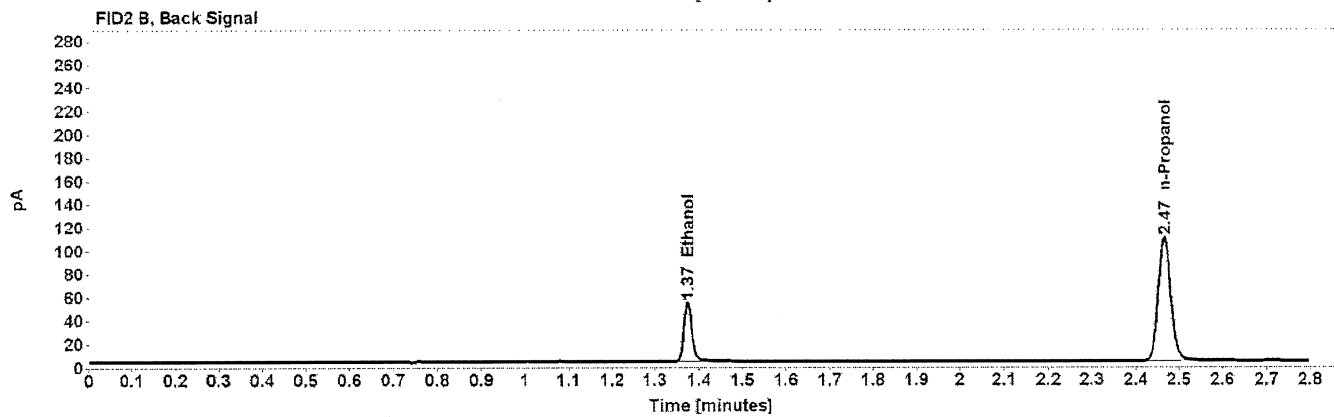
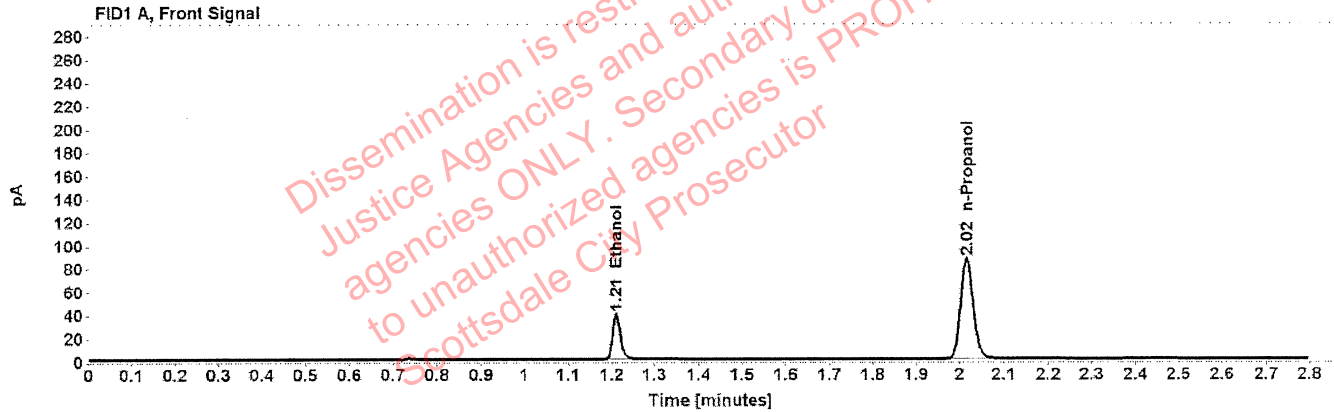


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0817	1.211	50.130
n-Propanol	-----	2.016	171.982

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.797
n-Propanol	2.466	214.796

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:53:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\42.D	Analyst:	Brooke <i>BB</i>

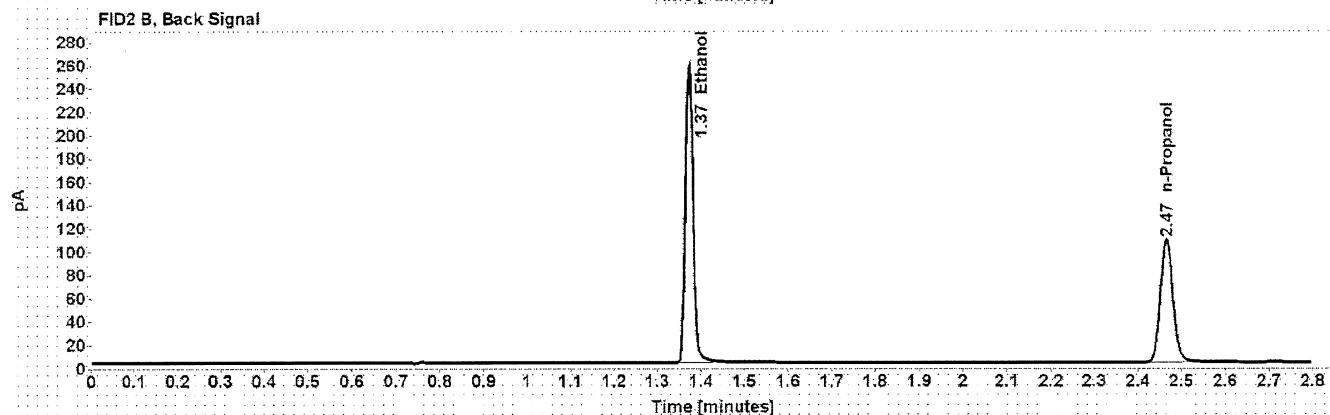
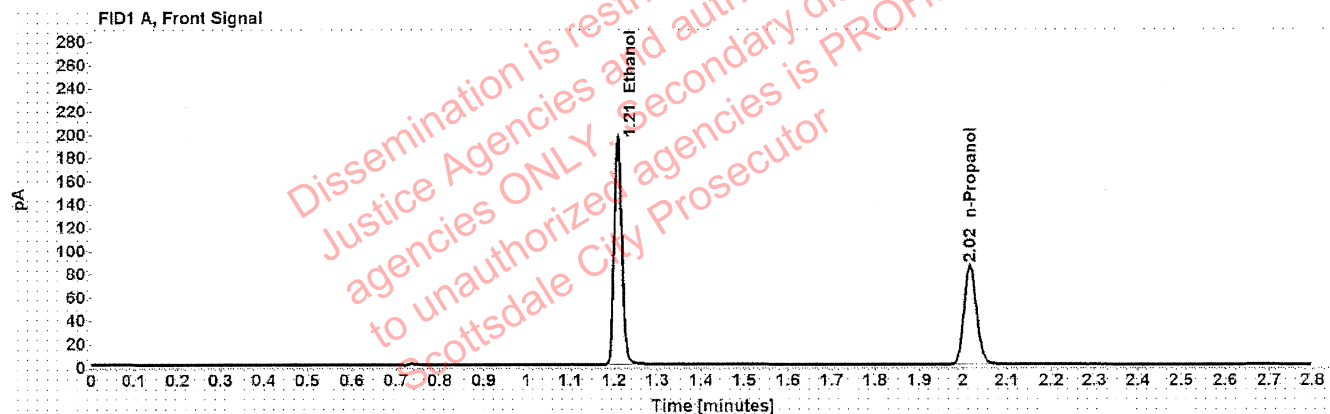


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4050	1.209	248.500
n-Propanol	-----	2.016	170.251

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

Compound	Time (min)	Peak Area
Ethanol	1.373	314.334
n-Propanol	2.466	213.144

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:57:38 PM
Data file:	C:\Chem321\Data\02Nov21\43.D	Analyst:	Brooke <i>YBS</i>

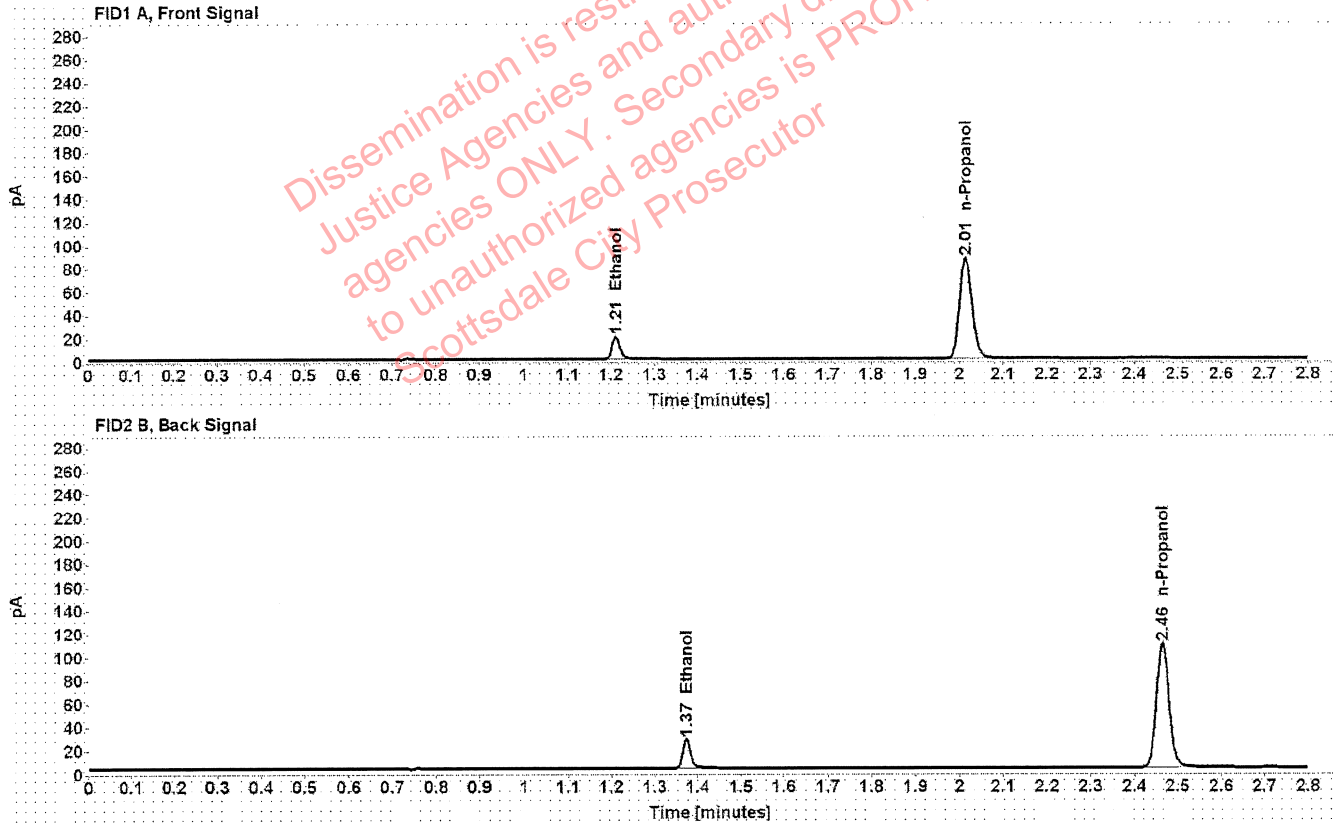


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.211	24.711
n-Propanol	-----	2.015	171.929

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

Compound	Time (min)	Peak Area
Ethanol	1.373	31.028
n-Propanol	2.465	215.183

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/2	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 02Nov21
Instrument: US14173023 CN14160045	Injection date: 11/2/2021 3:01:39 PM
Data file: C:\Chem32\1\Data\02Nov21\44.D	Analyst: Brooke <i>YB</i>

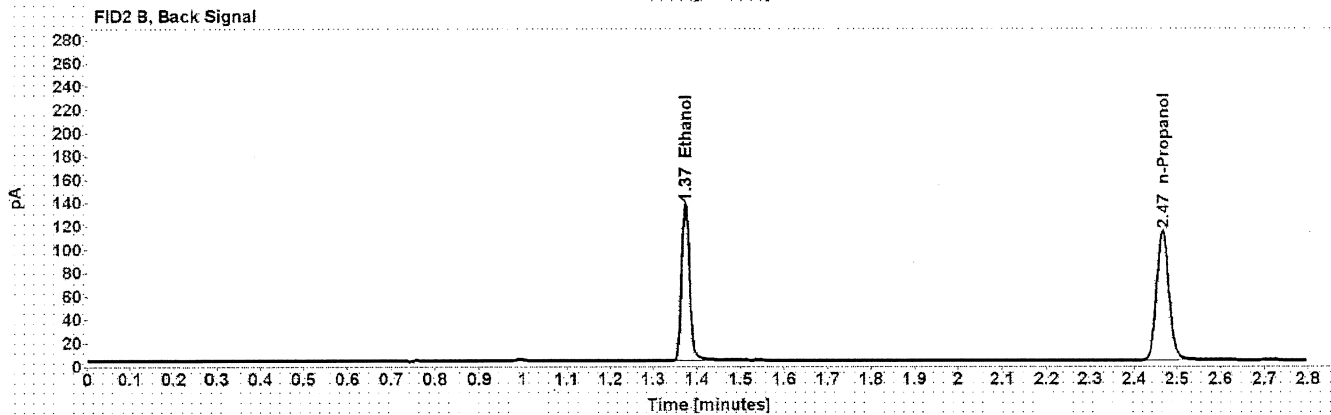
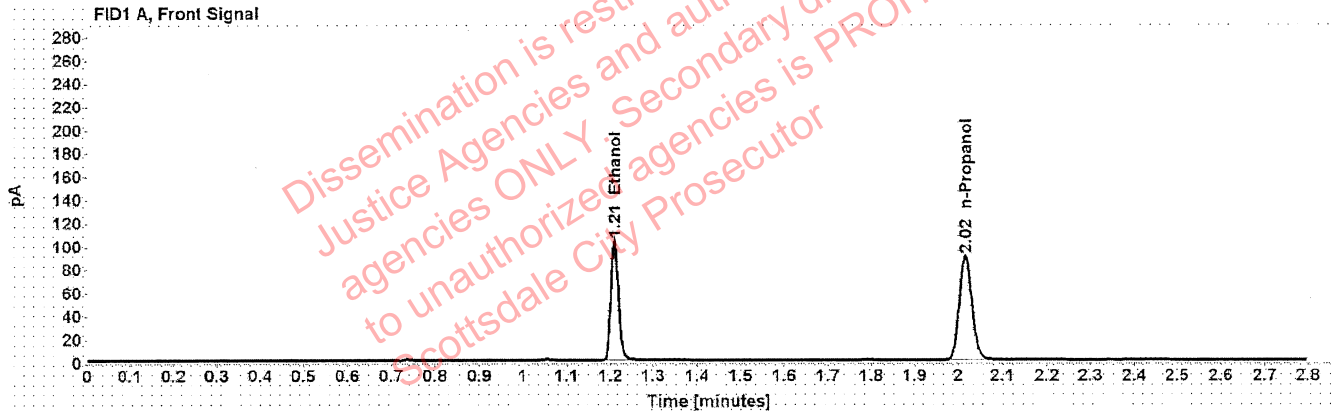


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2038	1.210	131.279
n-Propanol	-----	2.016	179.200

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

Compound	Time (min)	Peak Area
Ethanol	1.374	165.868
n-Propanol	2.466	224.332



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	111020WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 3:05:39 PM
Data file:	C:\Chem32\1\Data\02Nov21\45.D	Analyst:	Brooke <i>BB</i>

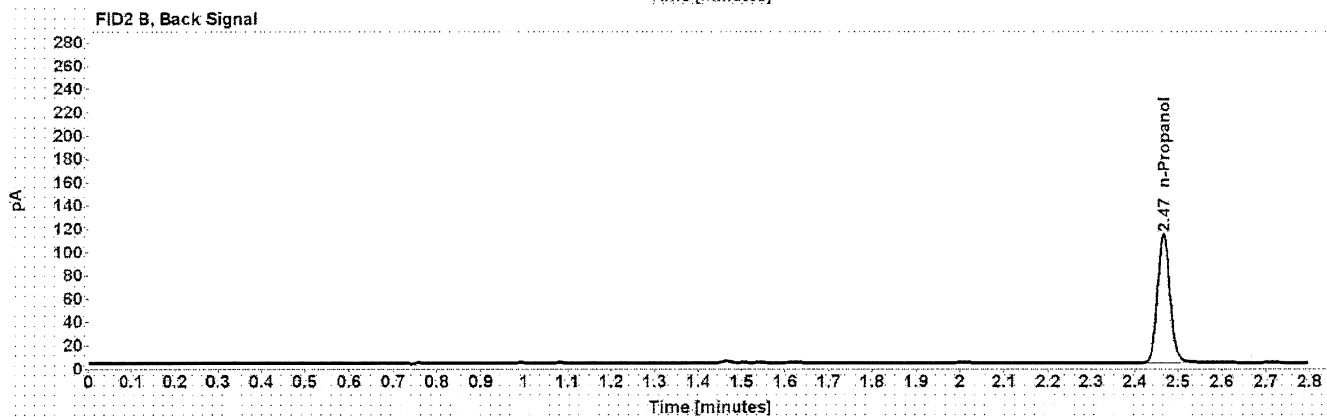
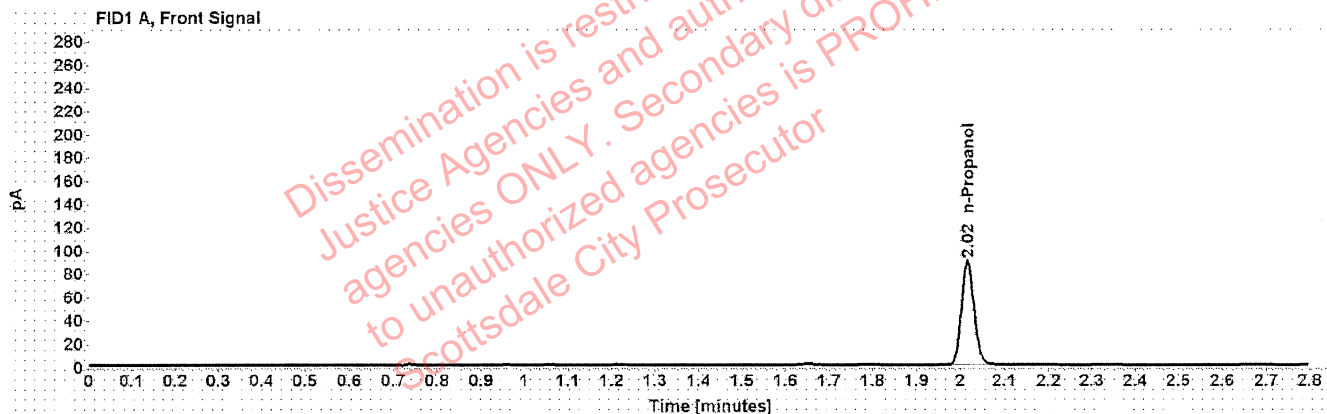


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	178.164

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	223.513

# Sequence Summary

Sequence name: 02Nov21      Instrument: US14173023 CN14160045      Analyst: Brooke

PB

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	32701JM		Sample		ethanol quant.M
11	32701JM		Sample		ethanol quant.M
12	1390305		Sample		ethanol quant.M
13	1390305		Sample		ethanol quant.M
14	1392142		Sample		ethanol quant.M
15	1392142		Sample		ethanol quant.M
16	1393414		Sample		ethanol quant.M
17	1393414		Sample		ethanol quant.M
18	38601BA		Sample		ethanol quant.M
19	38601BA		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	38601JG		Sample		ethanol quant.M
22	38601JG		Sample		ethanol quant.M
23	1391663		Sample		ethanol quant.M
24	1391663		Sample		ethanol quant.M
25	1394083		Sample		ethanol quant.M
26	1394083		Sample		ethanol quant.M
27	1390697		Sample		ethanol quant.M
28	1390697		Sample		ethanol quant.M
29	1395164		Sample		ethanol quant.M
30	1395164		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1394698		Sample		ethanol quant.M
33	1394698		Sample		ethanol quant.M
34	1394685		Sample		ethanol quant.M
35	1394685		Sample		ethanol quant.M
36	1394532		Sample		ethanol quant.M
37	1394532		Sample		ethanol quant.M
38	1395087		Sample		ethanol quant.M
39	1395087		Sample		ethanol quant.M
40	1368304		Sample		ethanol quant.M
41	1368304		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	111020WB	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 02Nov21

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0935	0.0926	0.09305	0.48	0.00045
12 13	0.2356	0.2369	0.23625	0.28	0.00065
14 15	0.1361	0.1370	0.13655	0.33	0.00045
16 17	0.0000	0.0000	0.00000	0.00	0.00000
18 19	0.1355	0.1361	0.13580	0.22	0.00030
21 22	0.3126	0.3140	0.31330	0.22	0.00070
23 24	0.0866	0.0861	0.08635	0.29	0.00025
25 26	0.1223	0.1211	0.12170	0.49	0.00060
27 28	0.1472	0.1473	0.14725	0.03	0.00005
29 30	0.1220	0.1214	0.12170	0.25	0.00030
32 33	0.1450	0.1461	0.14555	0.38	0.00055
34 35	0.1051	0.1052	0.10515	0.05	0.00005
36 37	0.3019	0.3034	0.30265	0.25	0.00075
38 39	0.1741	0.1763	0.17520	0.63	0.00110
40 41	0.0921	0.0914	0.09175	0.38	0.00035

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JM	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 12:44:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\10.D	Analyst:	Brooke

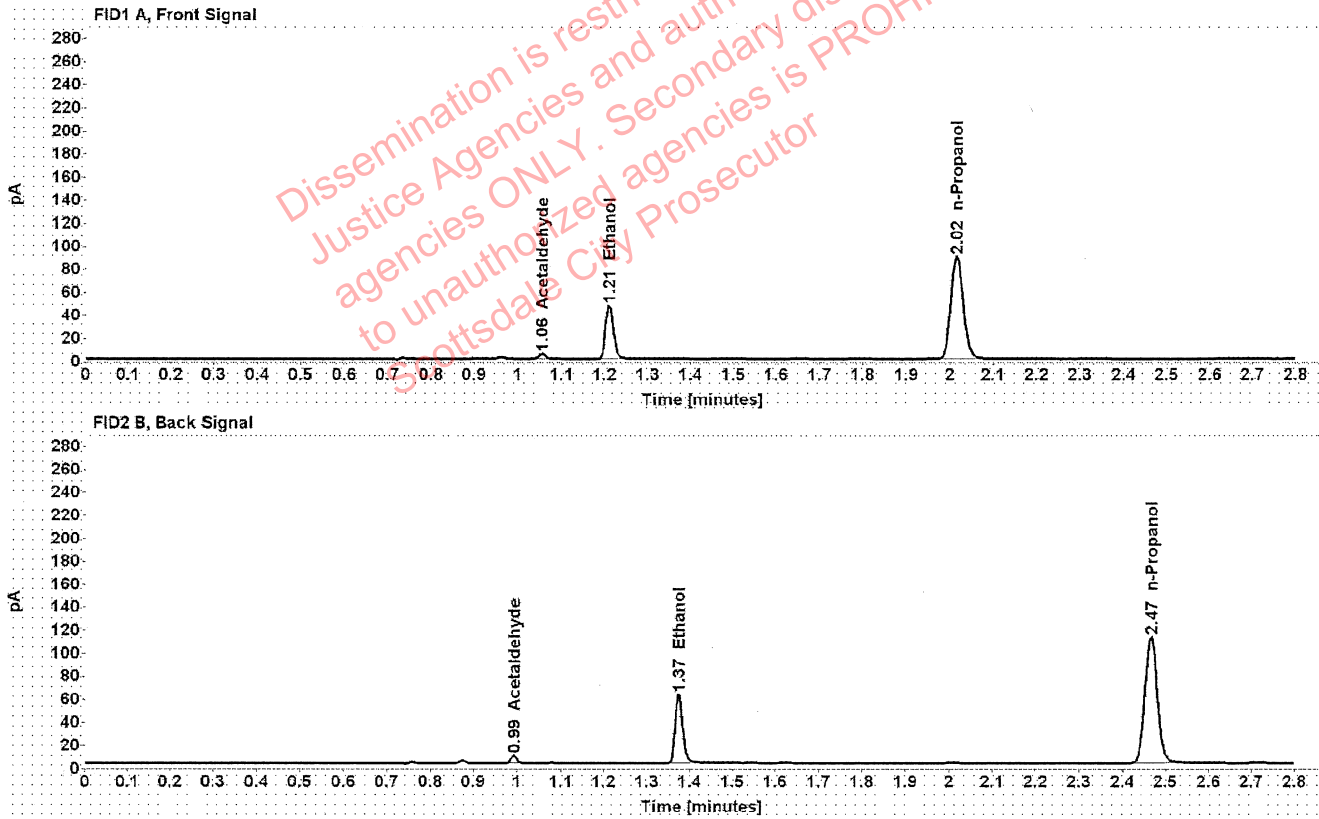


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.722
>Ethanol	0.0935	1.211	59.296
n-Propanol	-----	2.016	177.596

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.181
Ethanol	1.374	73.653
n-Propanol	2.466	220.399

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JM	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 12:48:09 PM
Data file:	C:\Chem32\1\Data\02Nov21\11.D	Analyst:	Brooke

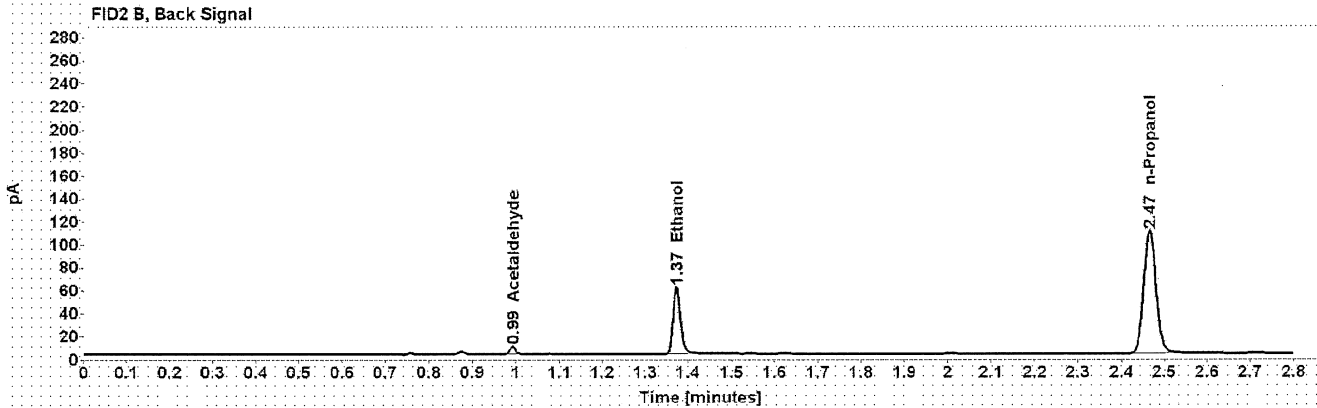
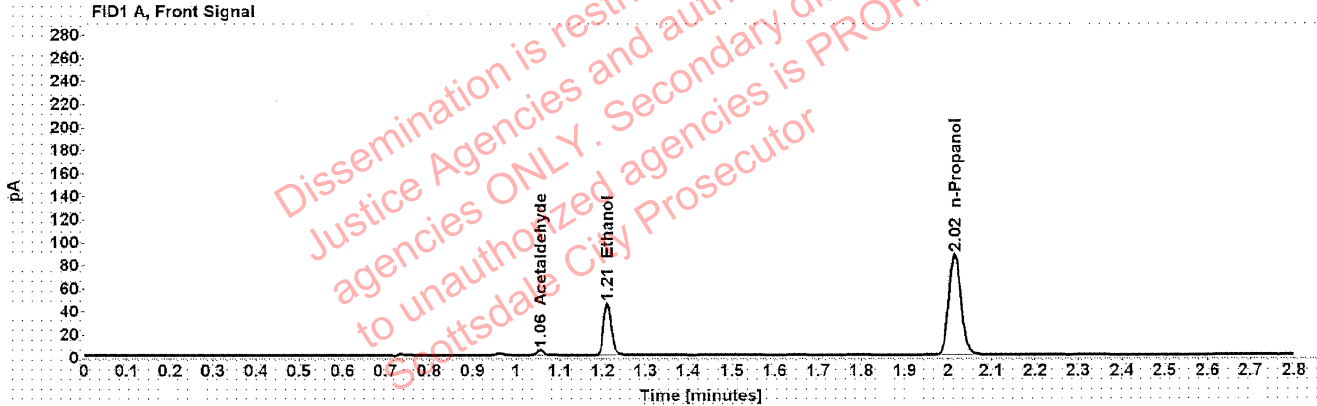


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.603
>Ethanol	0.0926	1.210	57.416
n-Propanol	-----	2.016	173.486

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	6.041
Ethanol	1.374	71.327
n-Propanol	2.466	215.659

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1390305	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 12:52:09 PM
Data file:	C:\Chem32\1\Data\02Nov21\12.D	Analyst:	Brooke

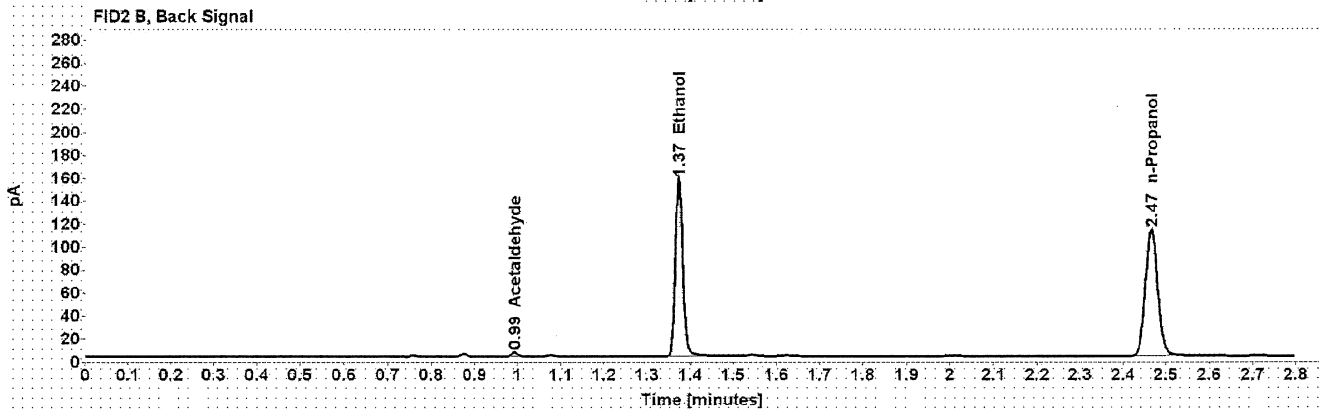
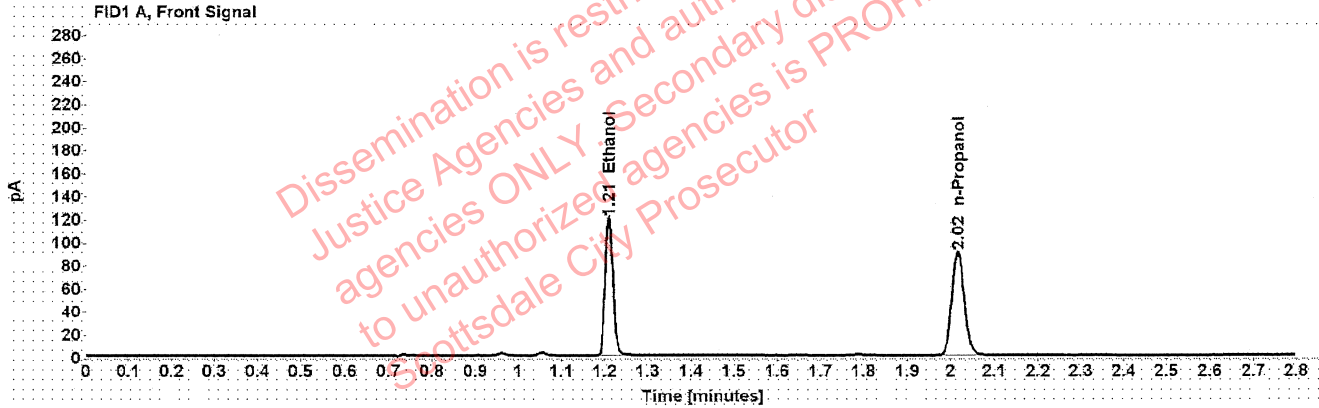


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2356	1.210	151.507
n-Propanol	-----	2.016	178.761

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.827
Ethanol	1.374	191.237
n-Propanol	2.466	222.275

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1390305	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 12:56:24 PM
Data file:	C:\Chem32\1\Data\02Nov21\13.D	Analyst:	Brooke

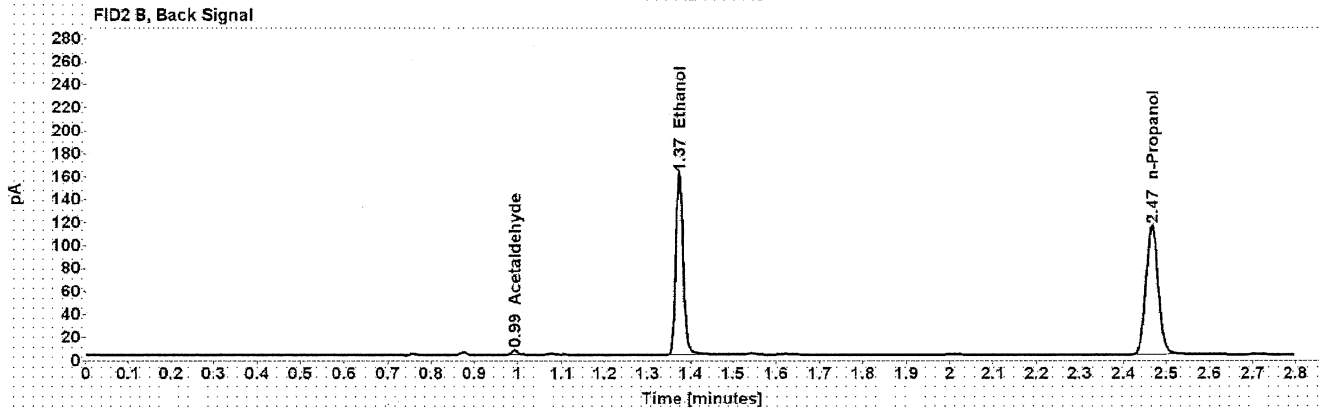
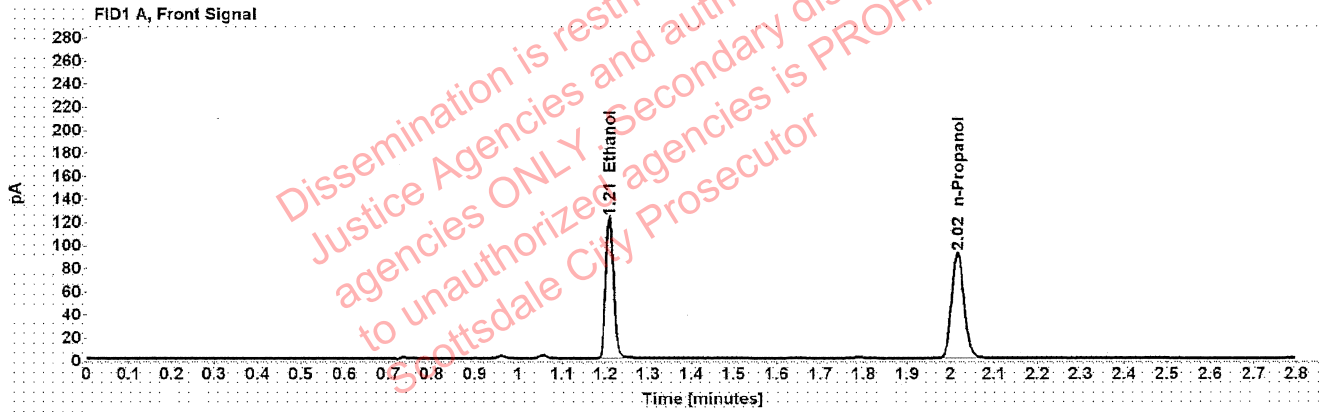


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2369	1.210	154.982
n-Propanol	-----	2.016	181.834

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.915
Ethanol	1.374	195.544
n-Propanol	2.466	226.173



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1392142	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:00:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\14.D	Analyst:	Brooke

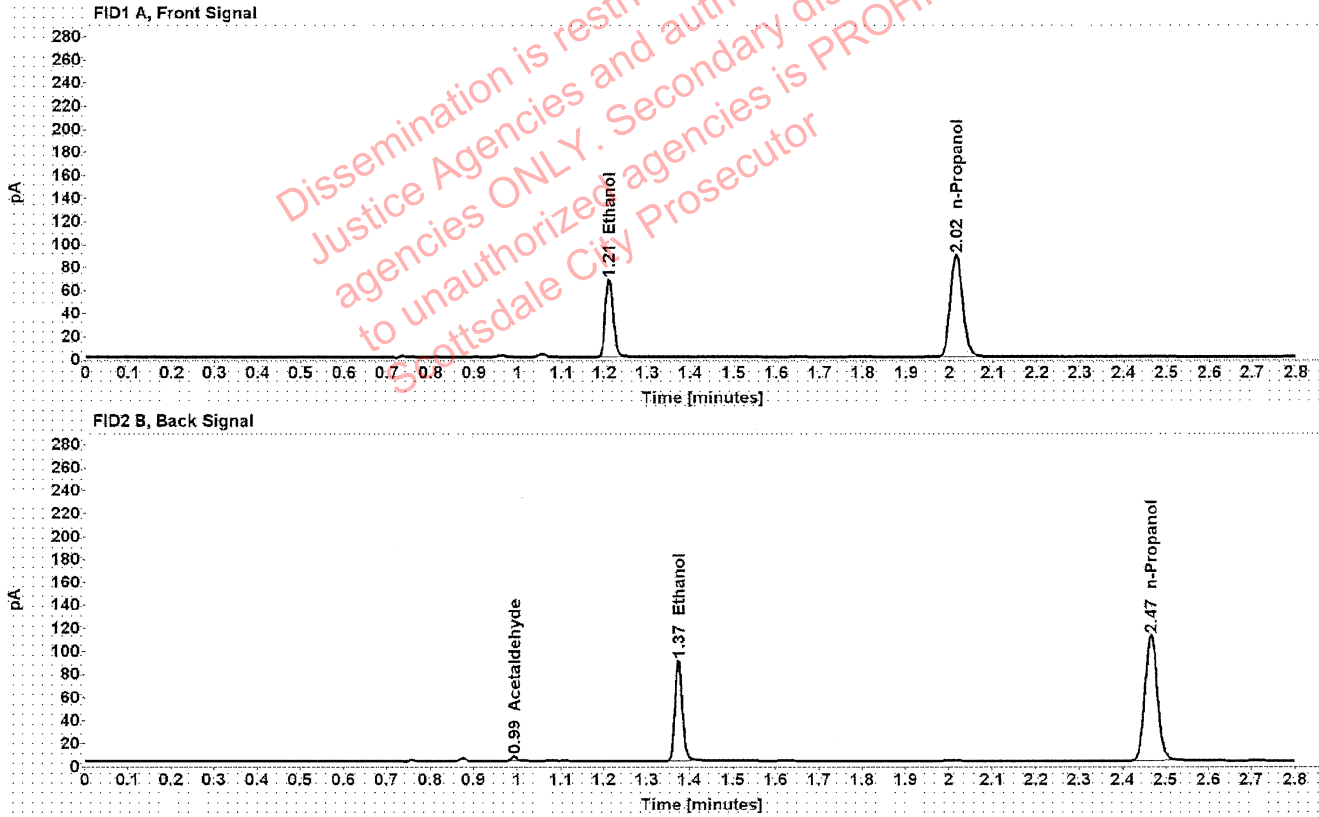


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1361	1.210	86.102
n-Propanol	-----	2.016	176.446

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.951
Ethanol	1.374	107.533
n-Propanol	2.466	219.783

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1392142	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:04:24 PM
Data file:	C:\Chem32\1\Data\02Nov21\15.D	Analyst:	Brooke

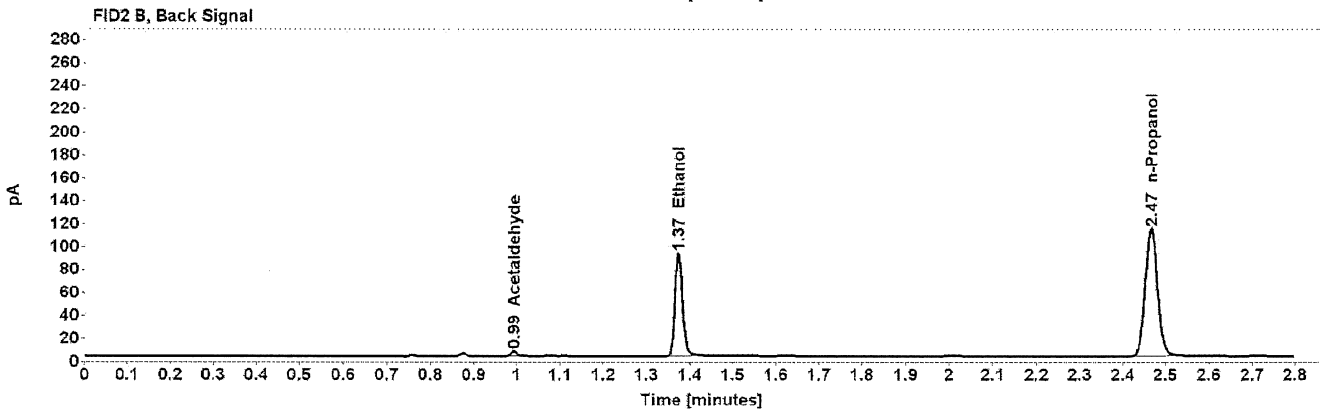
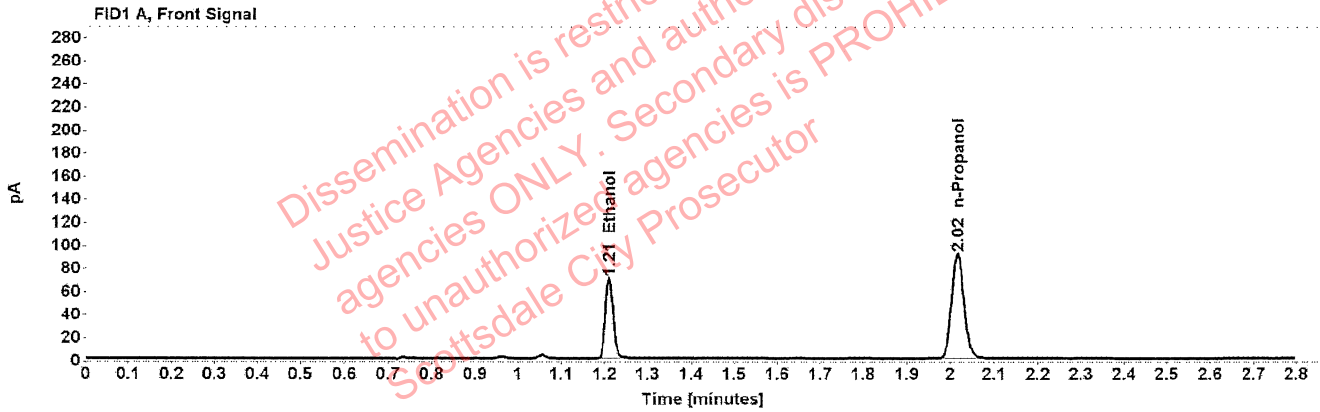


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1370	1.210	88.459
n-Propanol	-----	2.016	180.017

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.075
Ethanol	1.374	110.459
n-Propanol	2.466	224.397

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1393414	Vial:	16
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:08:24 PM
Data file:	C:\Chem32\1\Data\02Nov21\16.D	Analyst:	Brooke

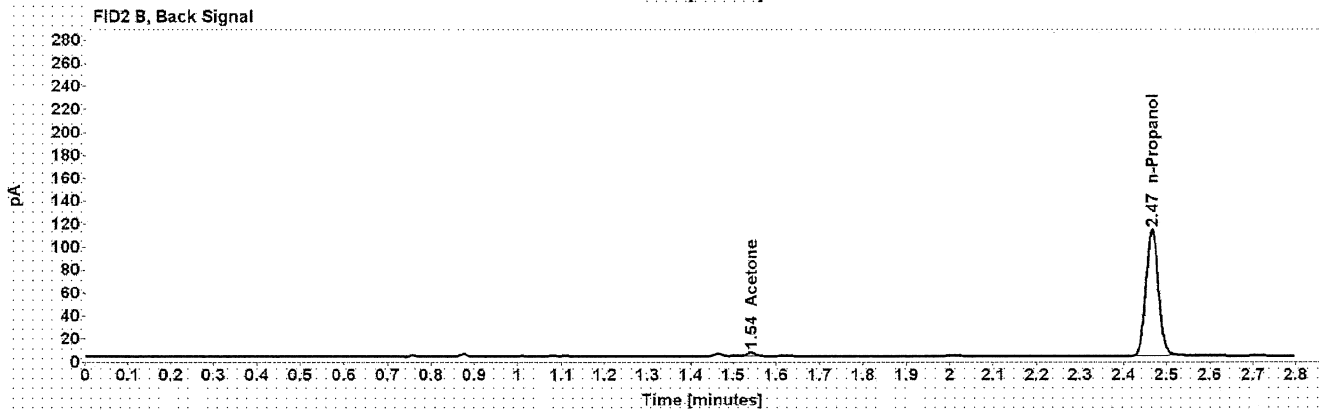
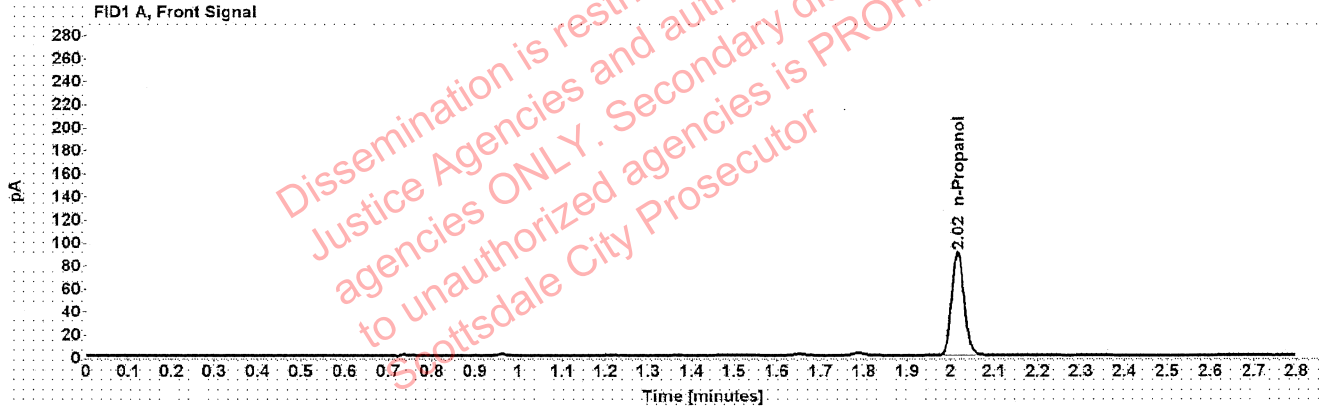


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	178.928

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

Compound	Time (min)	Peak Area
Acetone	1.542	4.937
n-Propanol	2.466	223.339

: Brooke, Phillip - (02-Nov-2021)

Case: [REDACTED] User: pbrooke 11/2/2021

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1393414	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:12:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\17.D	Analyst:	Brooke

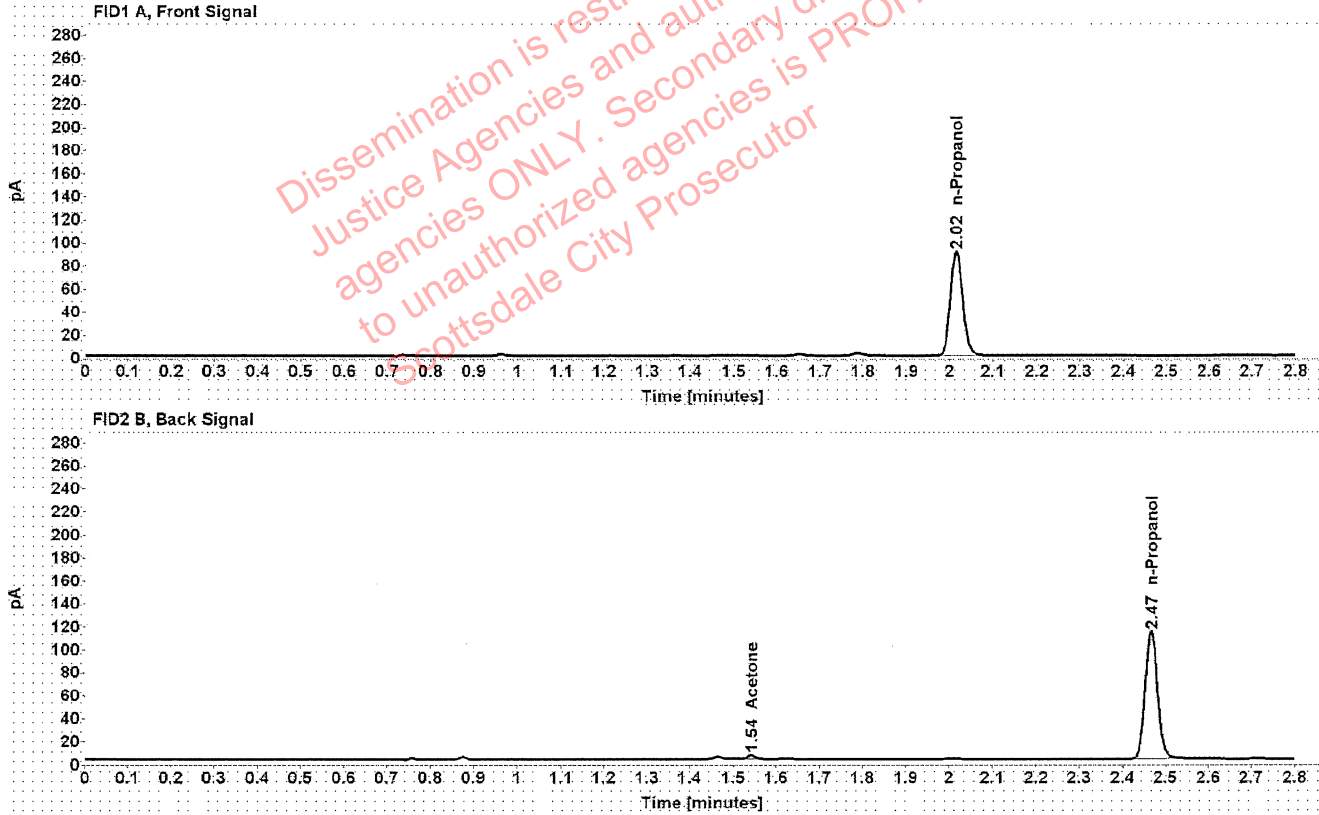


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	179.869

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

Compound	Time (min)	Peak Area
Acetone	1.542	4.664
n-Propanol	2.466	224.512

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38601BA	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:16:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\18.D	Analyst:	Brooke

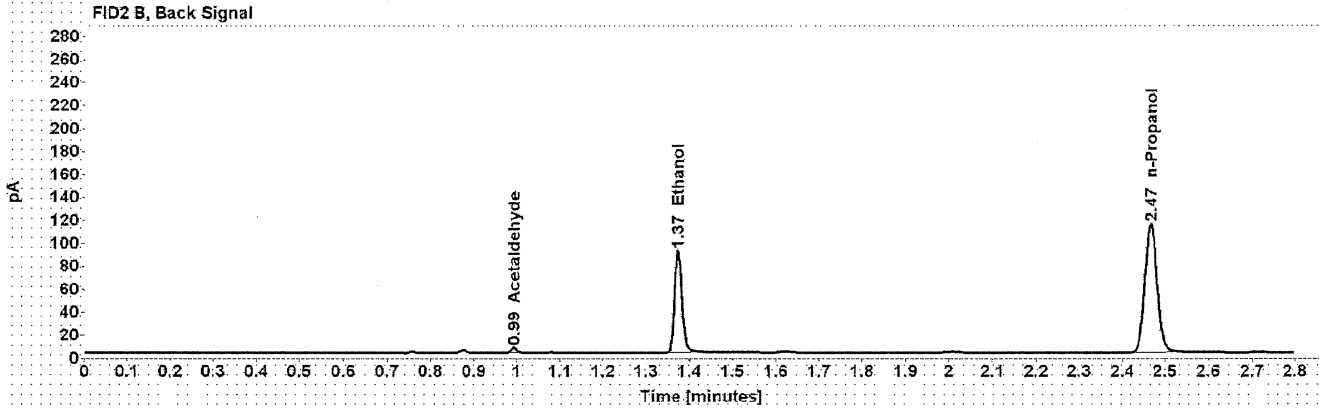
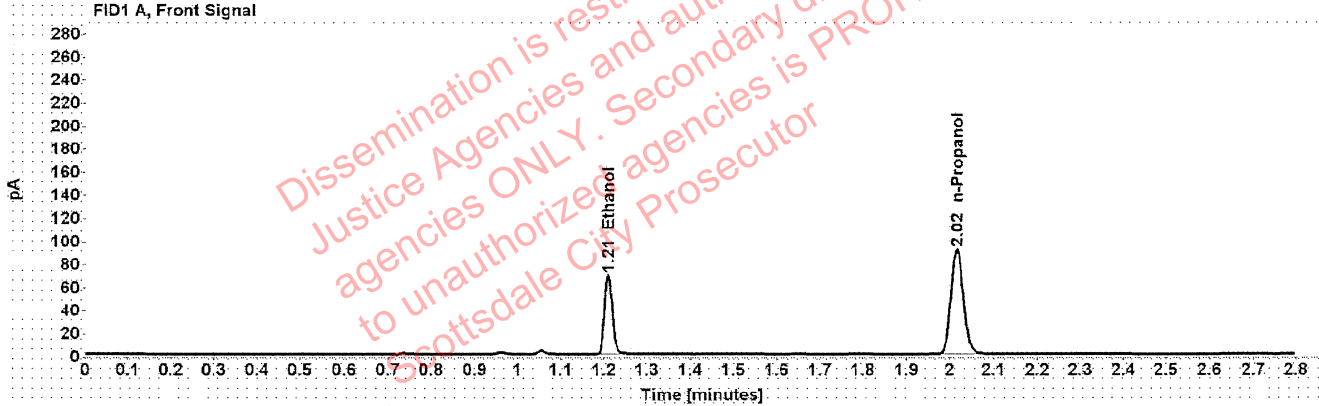


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1355	1.210	87.865
n-Propanol	-----	2.016	180.886

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.186
Ethanol	1.374	109.678
n-Propanol	2.466	226.007

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38601BA	Vial:	19
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:20:38 PM
Data file:	C:\Chem32\1\Data\02Nov21\19.D	Analyst:	Brooke

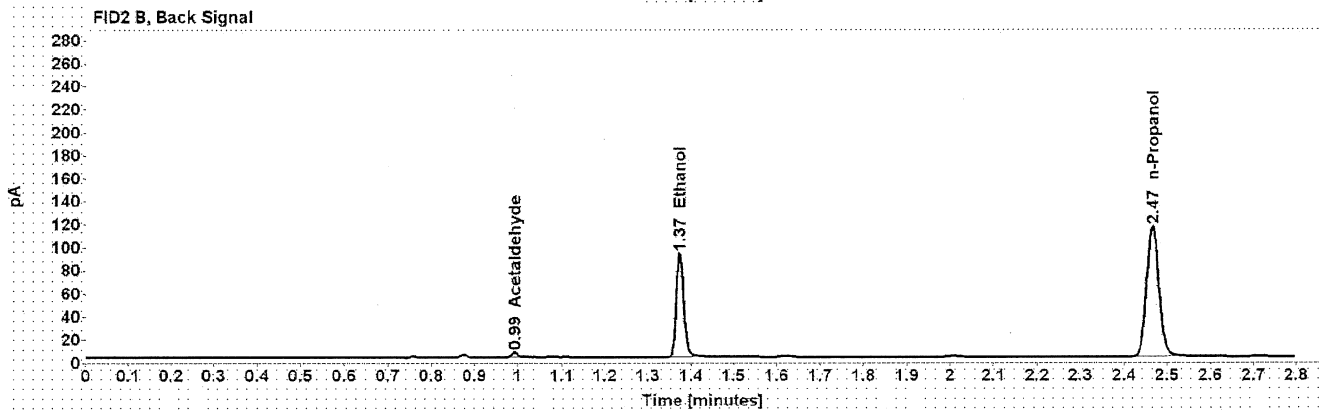
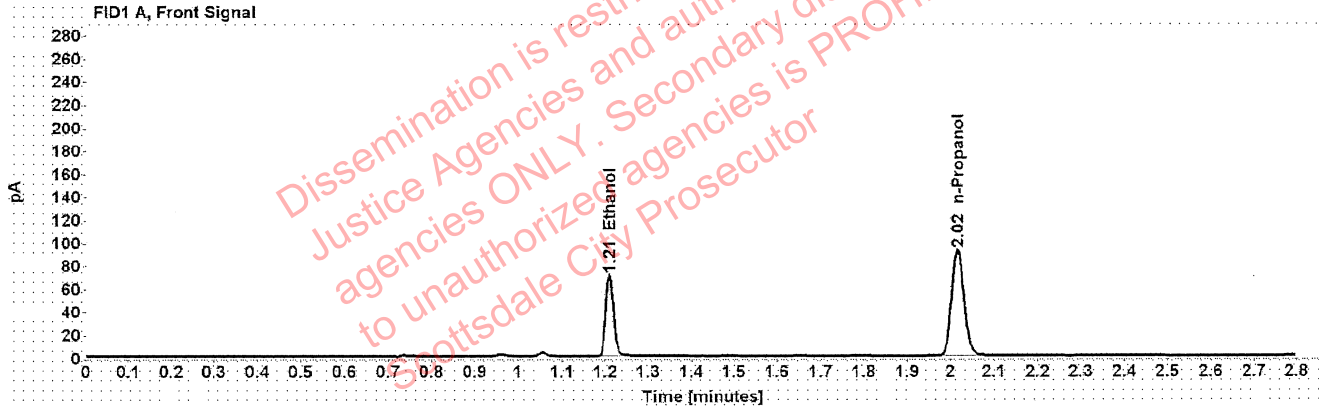


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1361	1.210	89.104
n-Propanol	-----	2.016	182.664

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.325
Ethanol	1.374	111.202
n-Propanol	2.466	228.259

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38601JG	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:28:38 PM
Data file:	C:\Chem32\1\Data\02Nov21\21.D	Analyst:	Brooke

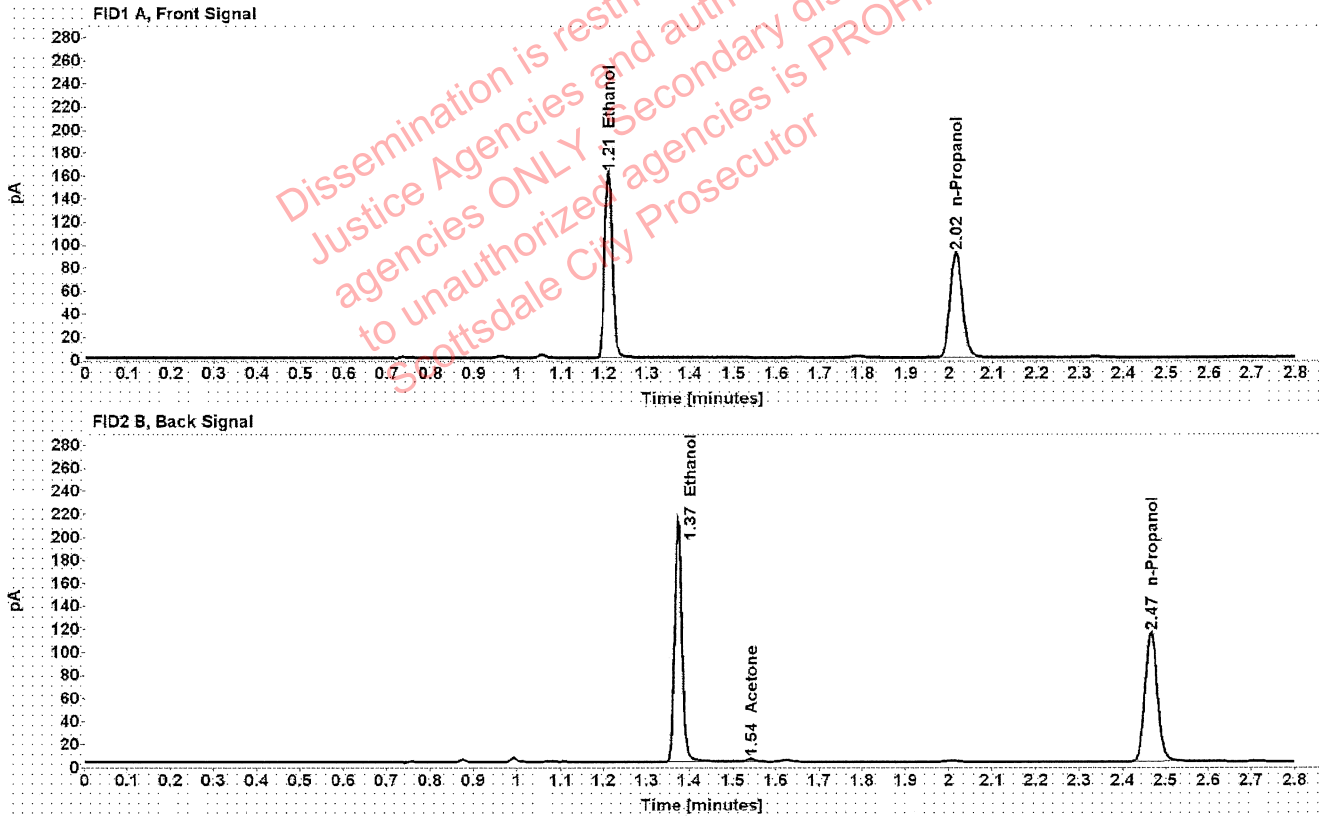


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3126	1.209	204.230
n-Propanol	-----	2.016	181.439

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

Compound	Time (min)	Peak Area
Ethanol	1.373	258.398
Acetone	1.542	3.822
n-Propanol	2.466	226.364

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38601JG	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:32:38 PM
Data file:	C:\Chem32\1\Data\02Nov21\22.D	Analyst:	Brooke

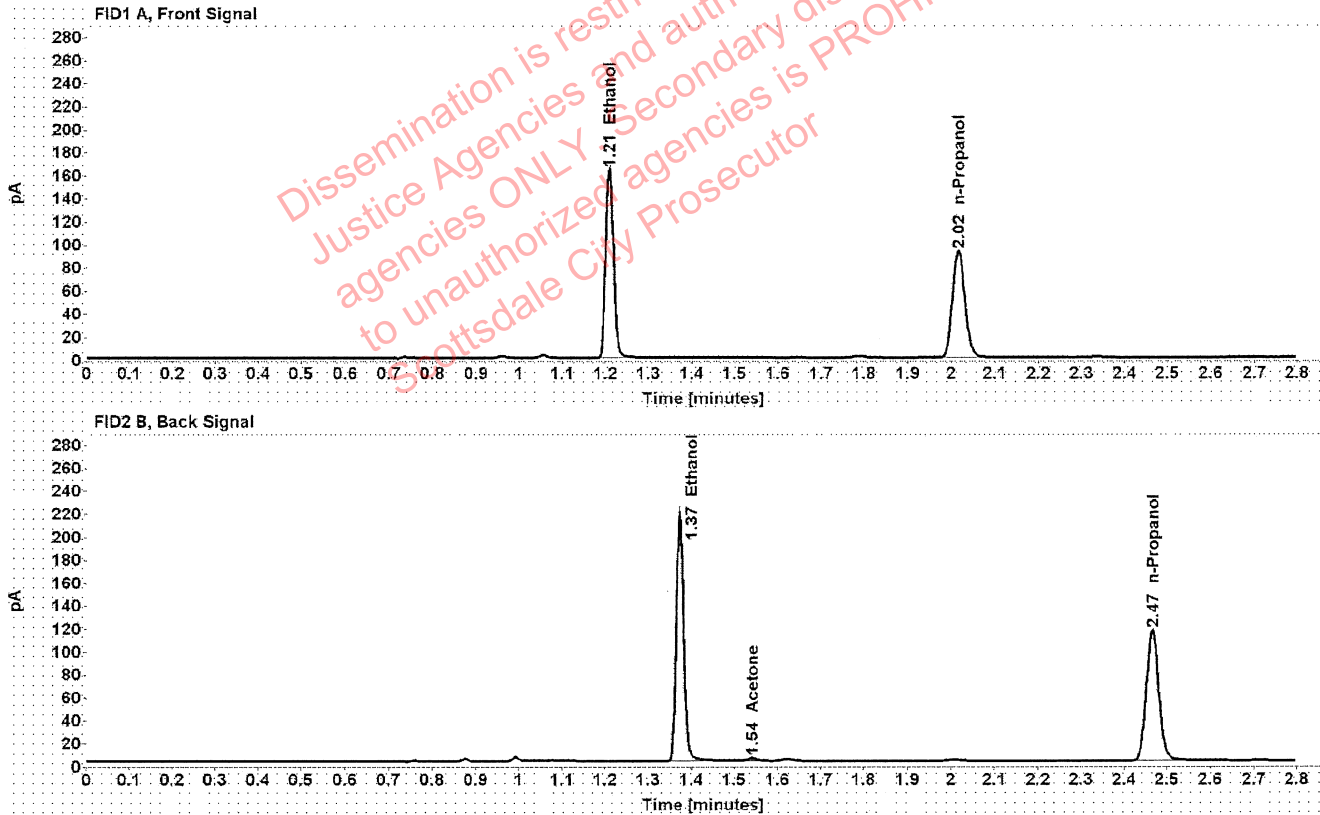


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3140	1.209	207.800
n-Propanol	-----	2.016	183.797

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

Compound	Time (min)	Peak Area
Ethanol	1.373	262.980
Acetone	1.542	3.835
n-Propanol	2.466	231.039



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391663	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:36:38 PM
Data file:	C:\Chem32\1\Data\02Nov21\23.D	Analyst:	Brooke

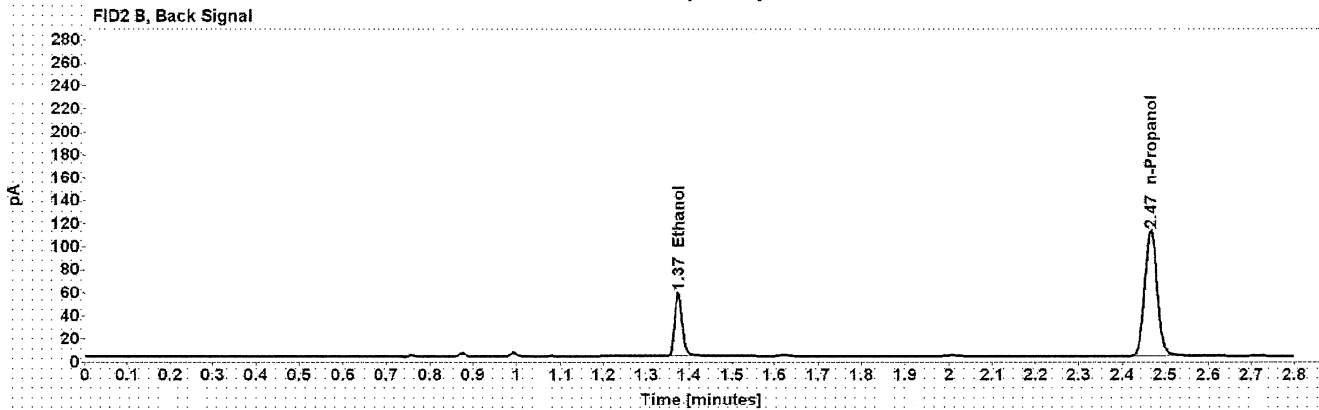
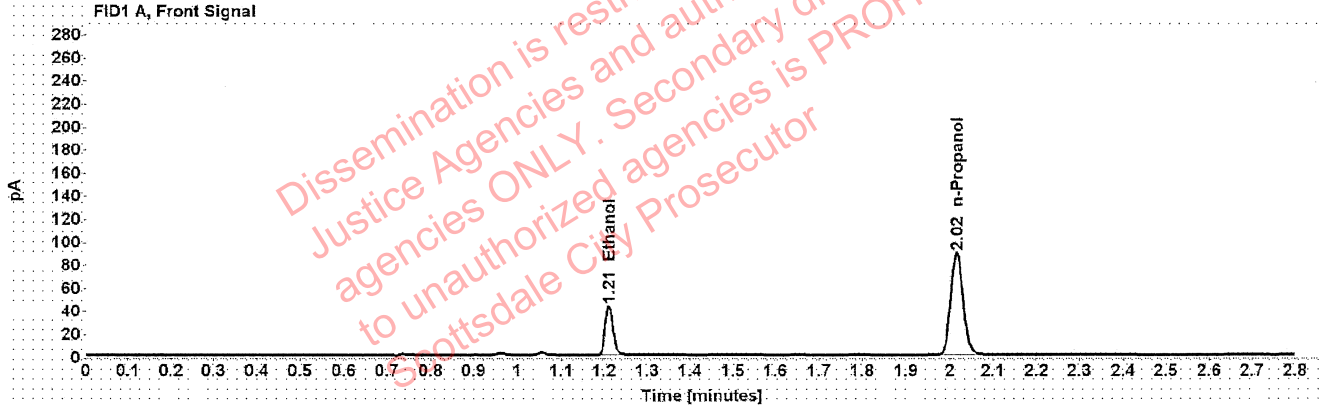


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0866	1.211	54.410
n-Propanol	-----	2.016	176.041

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

Compound	Time (min)	Peak Area
Ethanol	1.374	67.894
n-Propanol	2.466	220.556

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391663	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:40:39 PM
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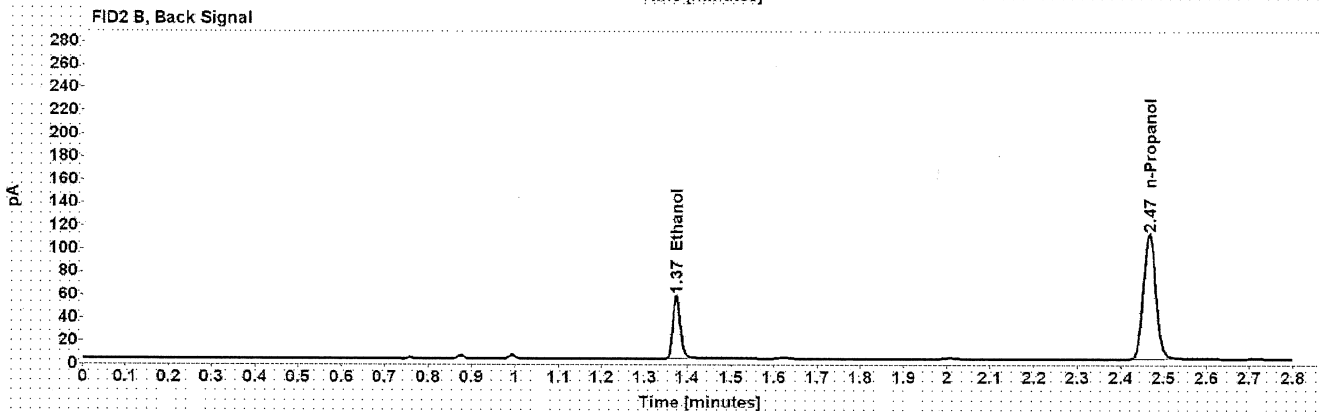
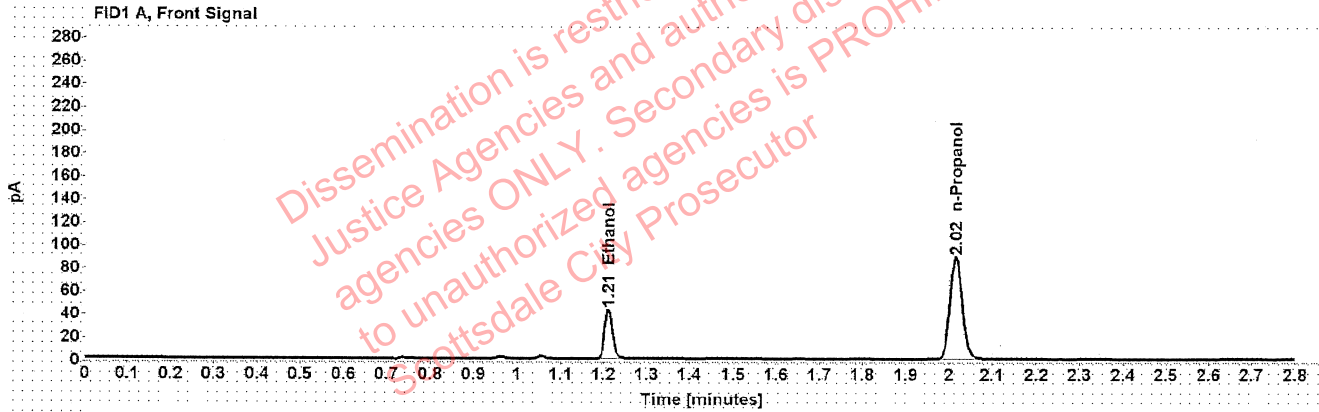


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0861	1.211	54.154
n-Propanol	-----	2.016	176.118

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

Compound	Time (min)	Peak Area
Ethanol	1.374	67.584
n-Propanol	2.466	220.508

[REDACTED]: Brooke, Phillip - (02-Nov-2021)

Case: [REDACTED] User: pbrooke 11/2/2021

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394083	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:44:53 PM
Data file:	C:\Chem32\1\Data\02Nov21\25.D	Analyst:	Brooke

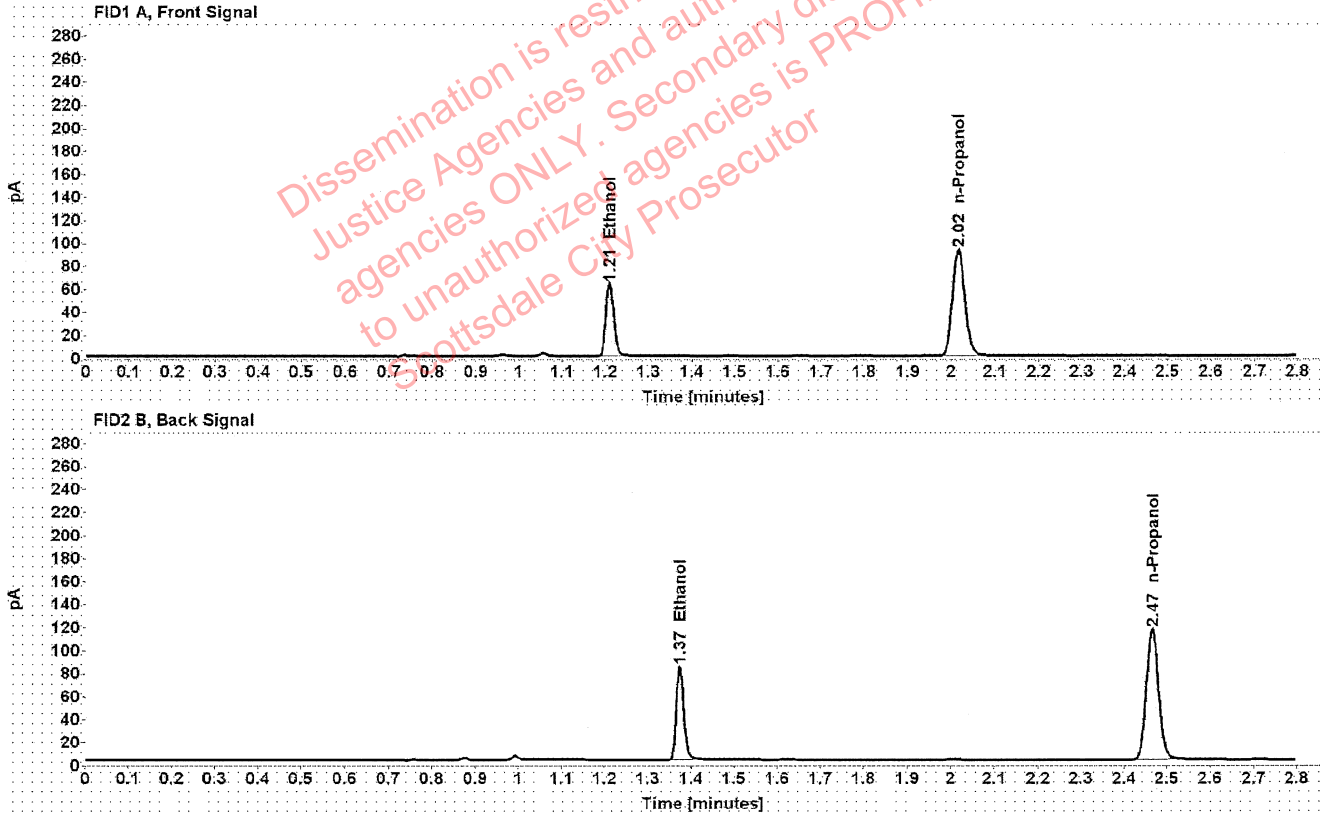


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1223	1.210	80.334
n-Propanol	-----	2.016	183.316

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

Compound	Time (min)	Peak Area
Ethanol	1.374	100.171
n-Propanol	2.466	228.913

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394083	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:48:53 PM
Data file:	C:\Chem32\1\Data\02Nov21\26.D	Analyst:	Brooke

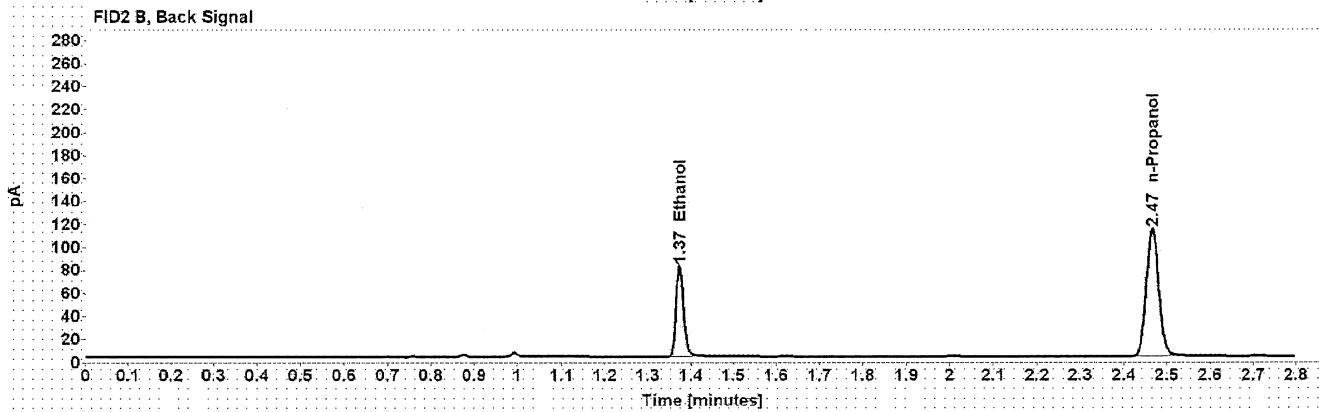
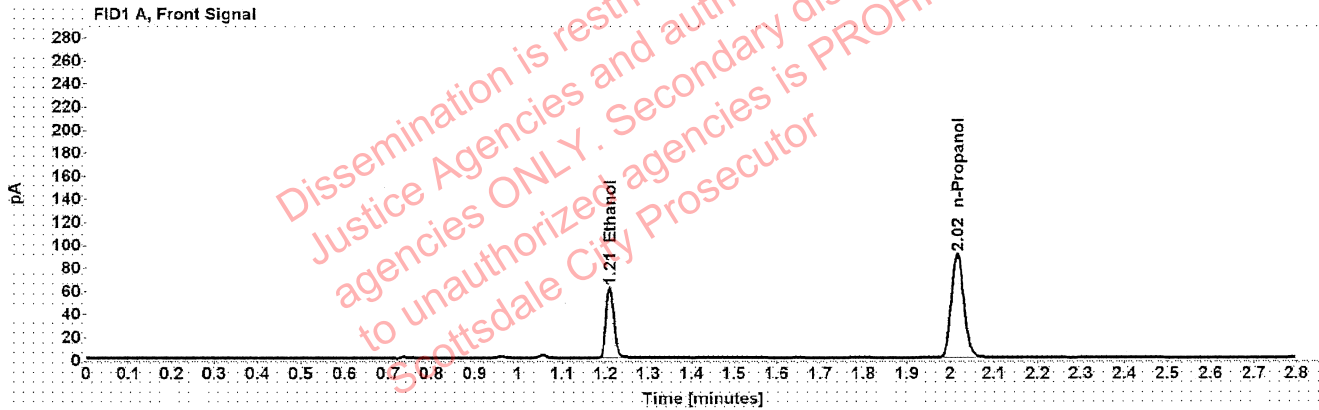


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1211	1.210	77.783
n-Propanol	-----	2.016	179.318

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

Compound	Time (min)	Peak Area
Ethanol	1.374	97.363
n-Propanol	2.466	224.013

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1390697	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:52:54 PM
Data file:	C:\Chem32\1\Data\02Nov21\27.D	Analyst:	Brooke

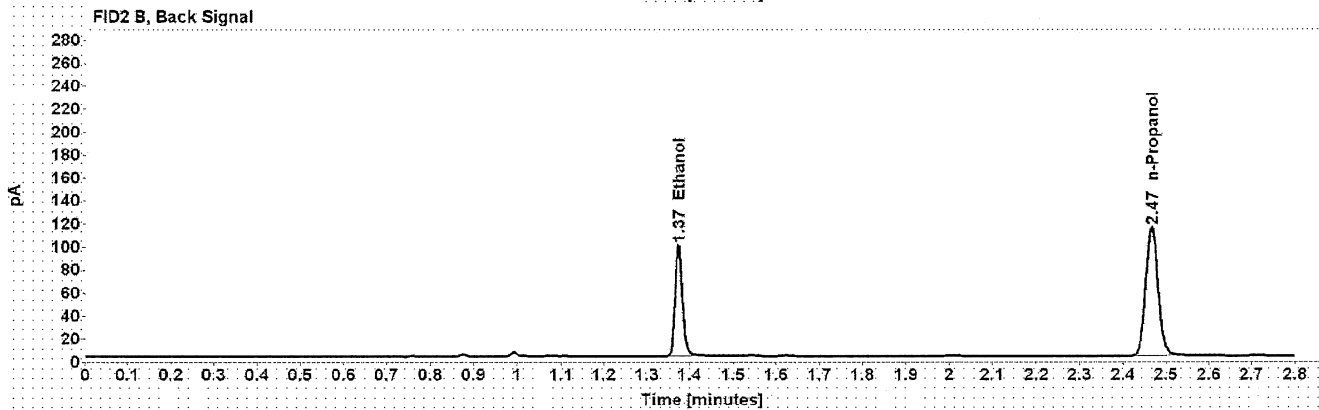
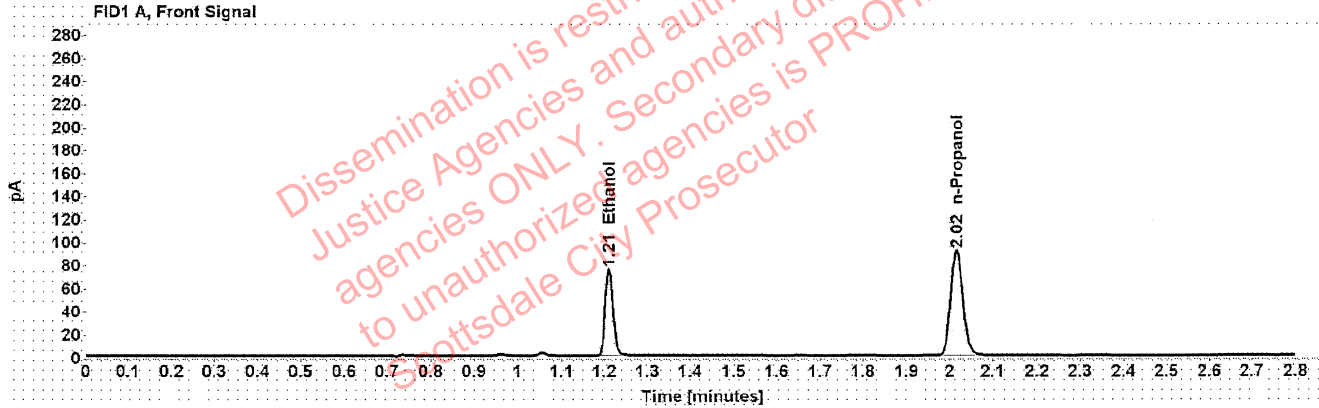


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1472	1.210	95.419
n-Propanol	-----	2.016	180.699

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

Compound	Time (min)	Peak Area
Ethanol	1.374	119.545
n-Propanol	2.466	225.961

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1390697	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 1:56:53 PM
Data file:	C:\Chem32\1\Data\02Nov21\28.D	Analyst:	Brooke

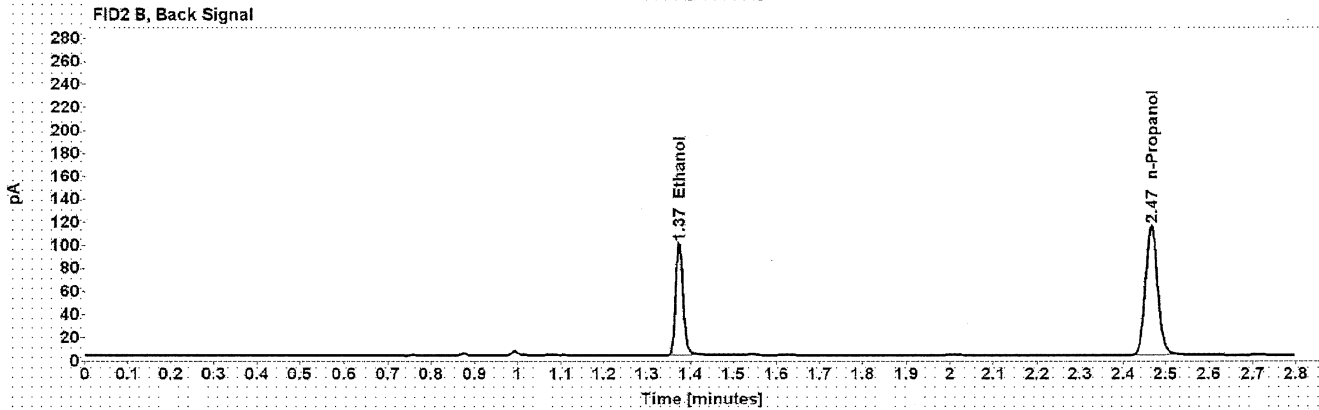
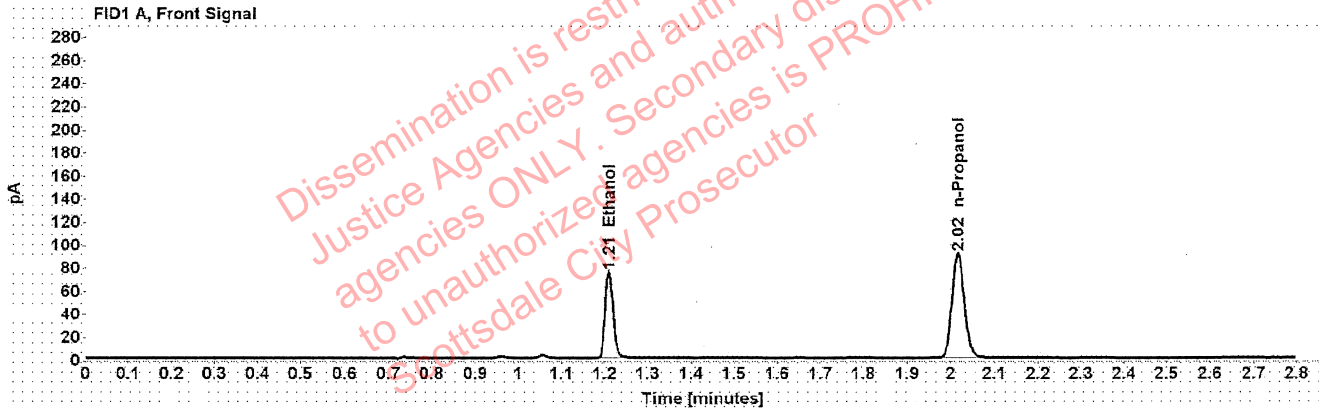


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1473	1.210	95.409
n-Propanol	-----	2.016	180.603

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

Compound	Time (min)	Peak Area
Ethanol	1.374	119.562
n-Propanol	2.467	225.867

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395164	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:00:53 PM
Data file:	C:\Chem32\1\Data\02Nov21\29.D	Analyst:	Brooke

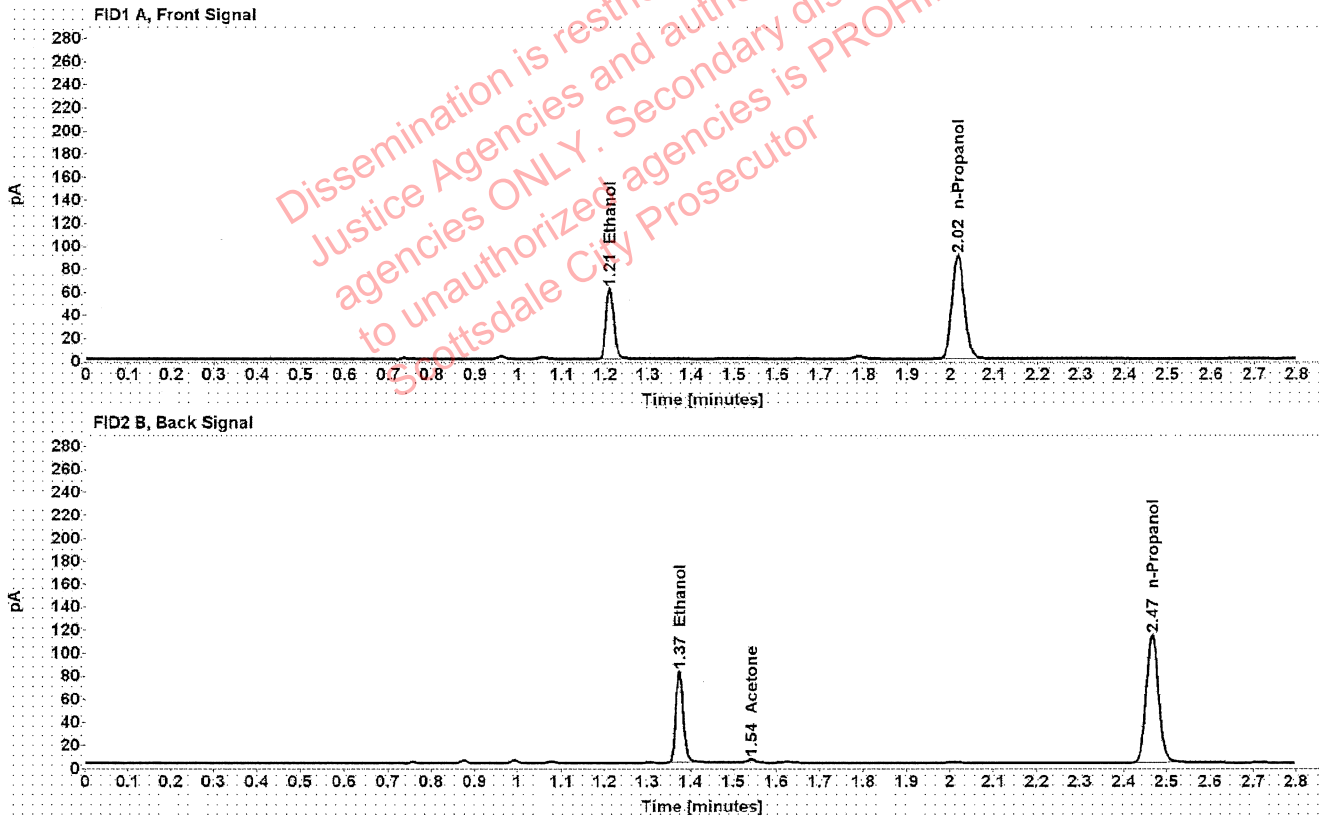


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1220	1.210	78.236
n-Propanol	-----	2.016	179.038

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

Compound	Time (min)	Peak Area
Ethanol	1.374	97.860
Acetone	1.542	4.238
n-Propanol	2.467	223.635

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395164	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:04:53 PM
Data file:	C:\Chem32\1\Data\02Nov21\30.D	Analyst:	Brooke

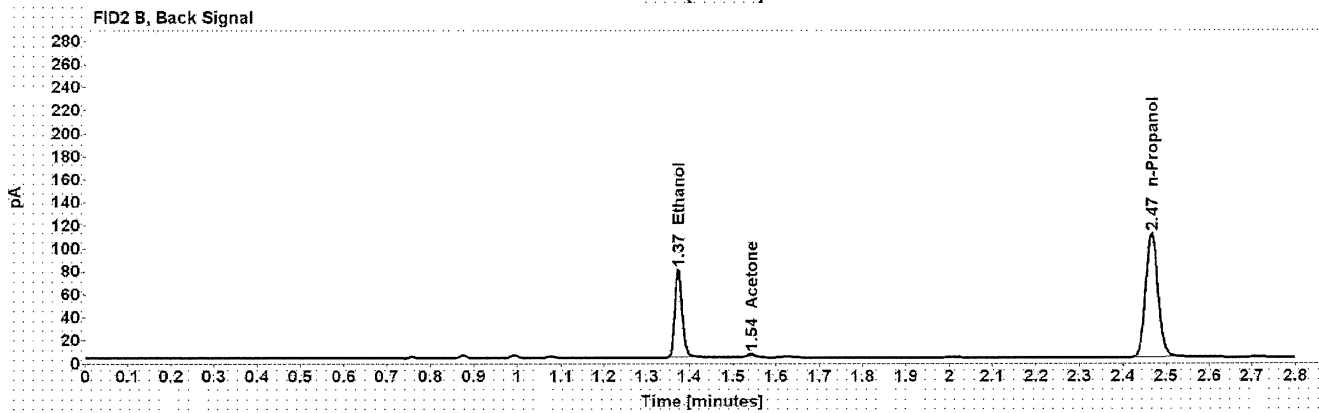
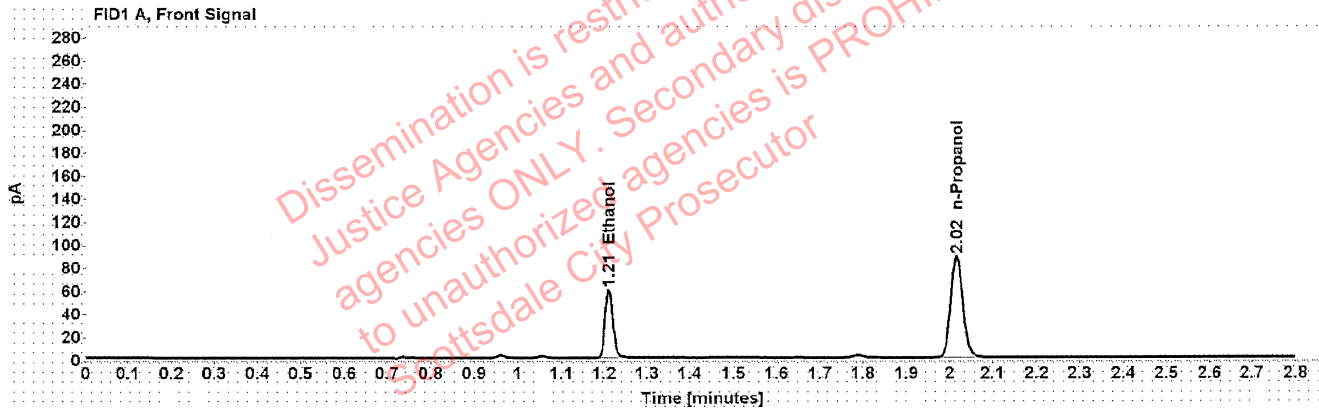


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1214	1.210	75.912
n-Propanol	-----	2.016	174.604

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

Compound	Time (min)	Peak Area
Ethanol	1.374	94.817
Acetone	1.542	4.187
n-Propanol	2.466	218.272



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394698	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:13:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\32.D	Analyst:	Brooke

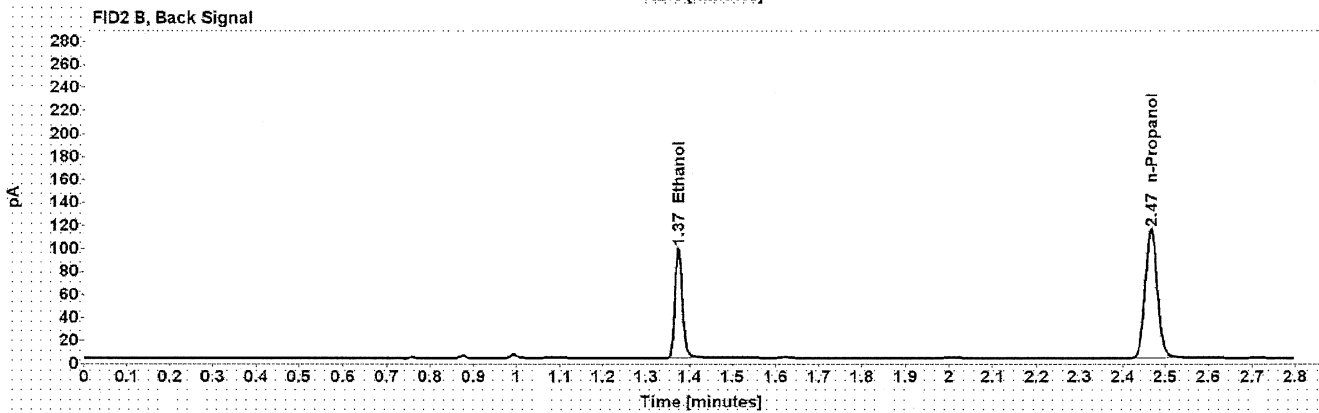
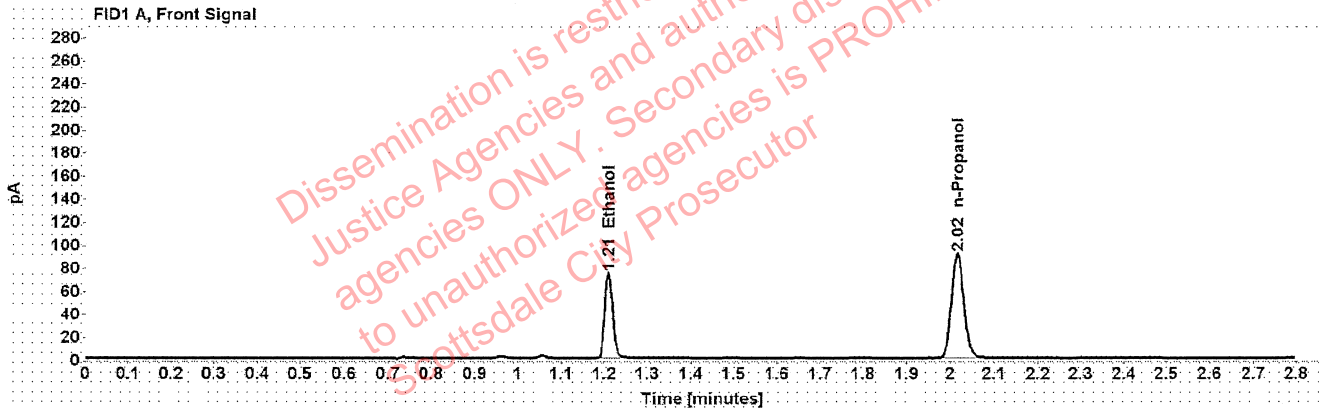


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1450	1.210	94.096
n-Propanol	-----	2.016	180.900

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

Compound	Time (min)	Peak Area
Ethanol	1.374	117.786
n-Propanol	2.466	226.531

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394698	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:17:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\33.D	Analyst:	Brooke

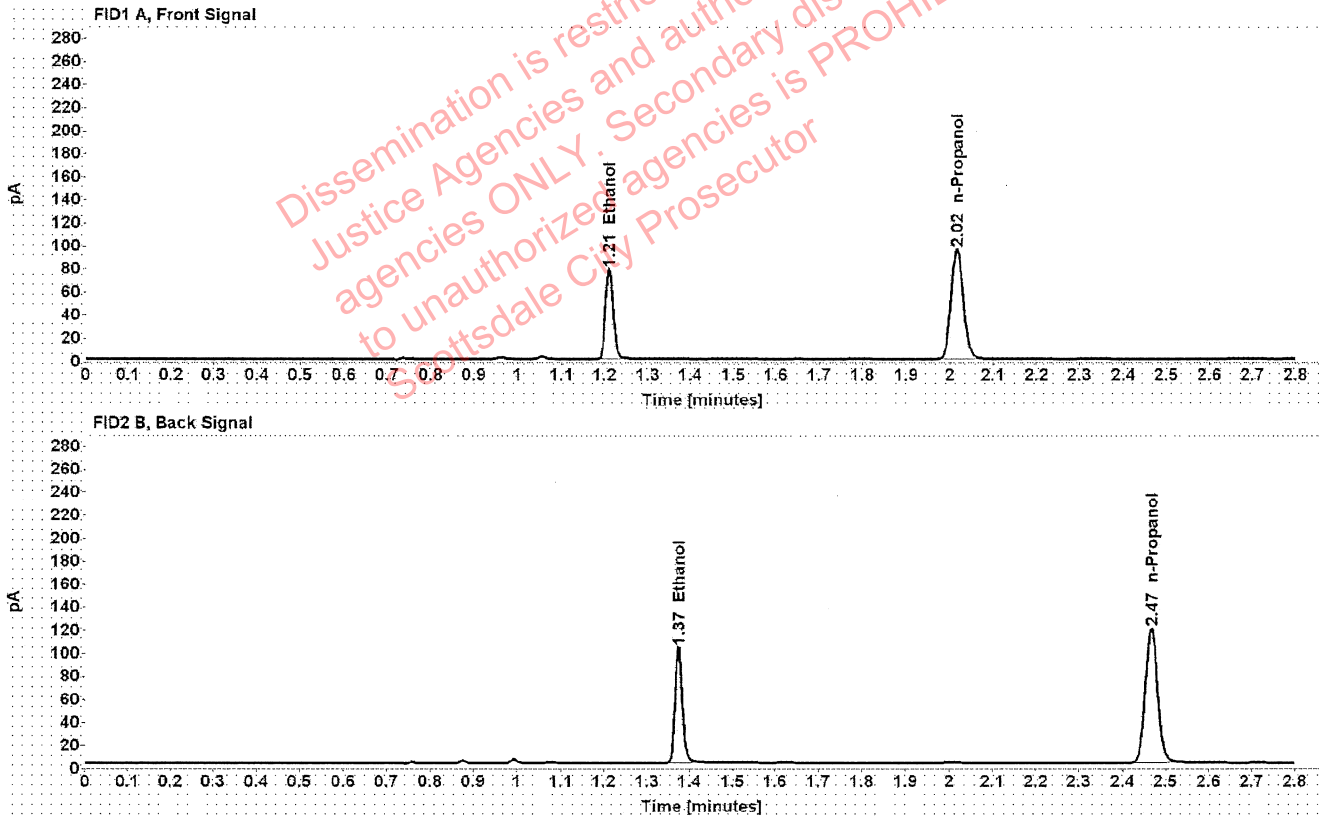


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1461	1.210	98.773
n-Propanol	-----	2.016	188.499

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

Compound	Time (min)	Peak Area
Ethanol	1.374	123.631
n-Propanol	2.466	236.087

[REDACTED] : Brooke, Phillip - (02-Nov-2021)

Case: [REDACTED] User: pbrooke 11/2/2021

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394685	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:21:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\34.D	Analyst:	Brooke

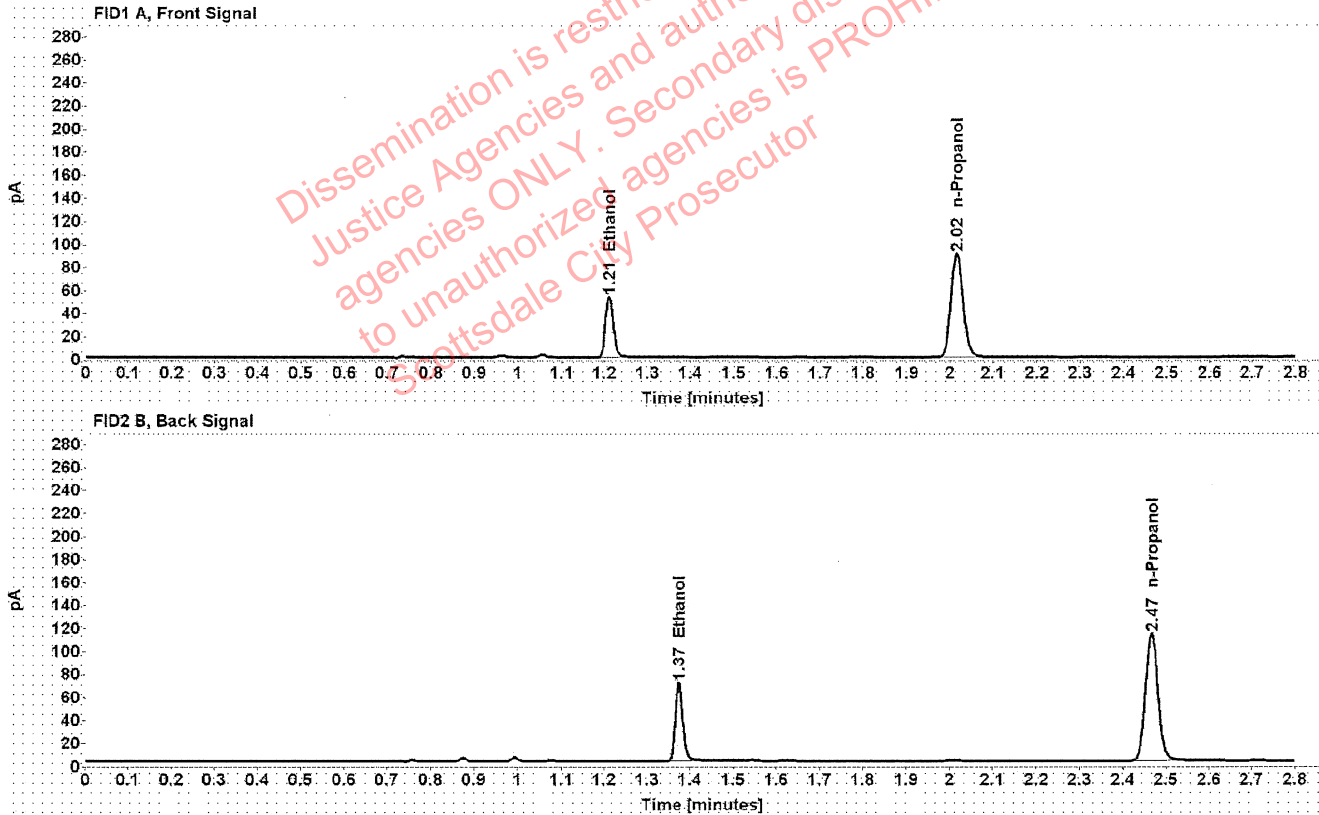


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1051	1.211	67.092
n-Propanol	-----	2.016	178.406

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

Compound	Time (min)	Peak Area
Ethanol	1.374	83.737
n-Propanol	2.466	223.208

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394685	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:25:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\35.D	Analyst:	Brooke

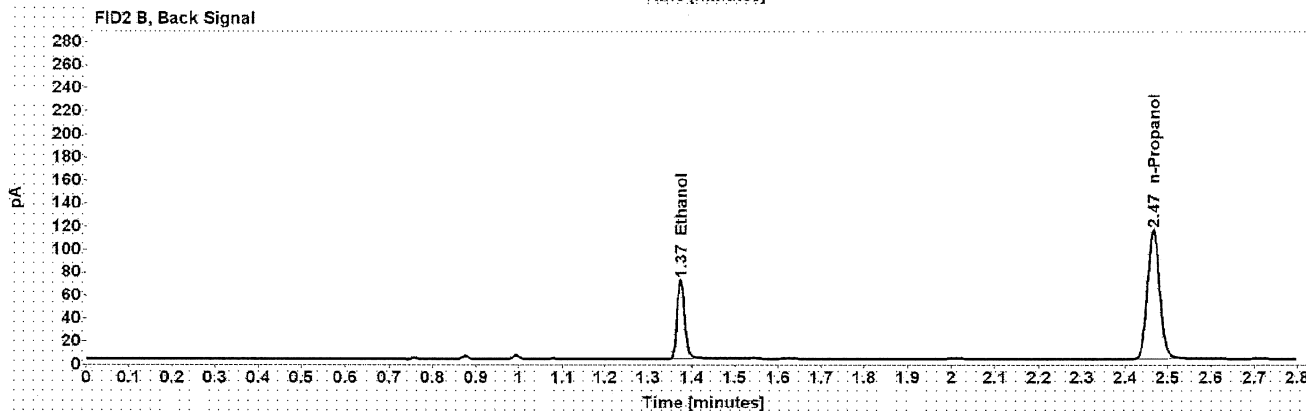
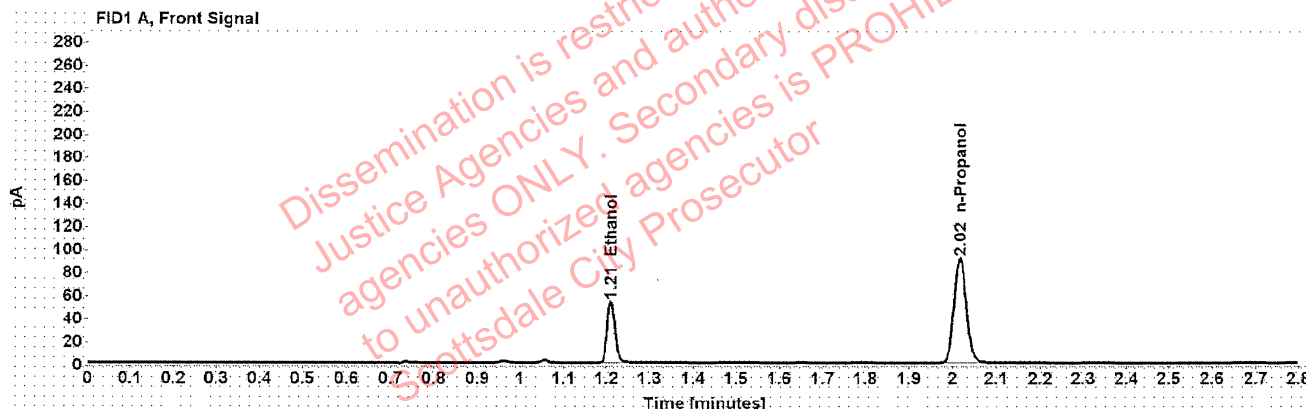


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1052	1.211	68.135
n-Propanol	-----	2.016	180.987

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

Compound	Time (min)	Peak Area
Ethanol	1.374	85.171
n-Propanol	2.466	226.476

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394532	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:29:08 PM
Data file:	C:\Chem32\1\Data\02Nov21\36.D	Analyst:	Brooke

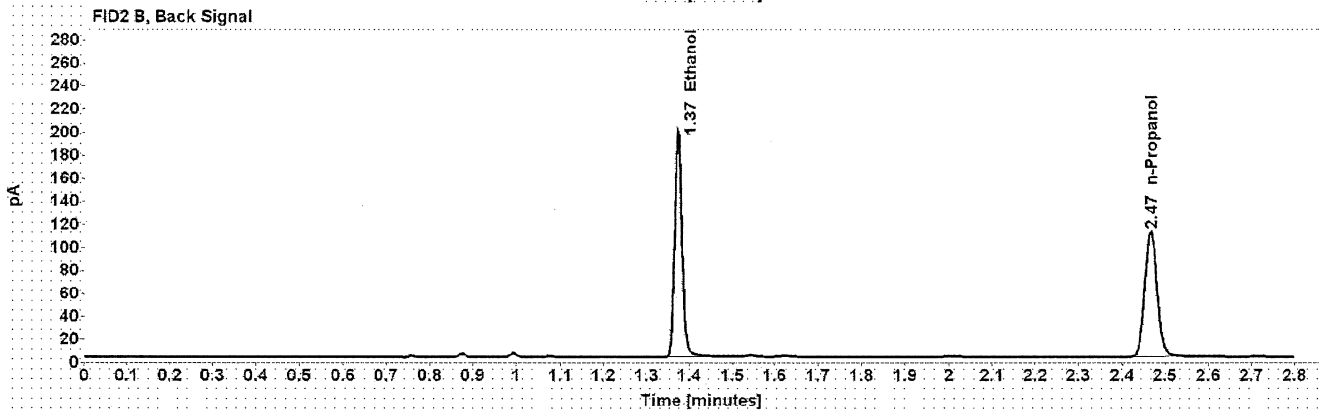
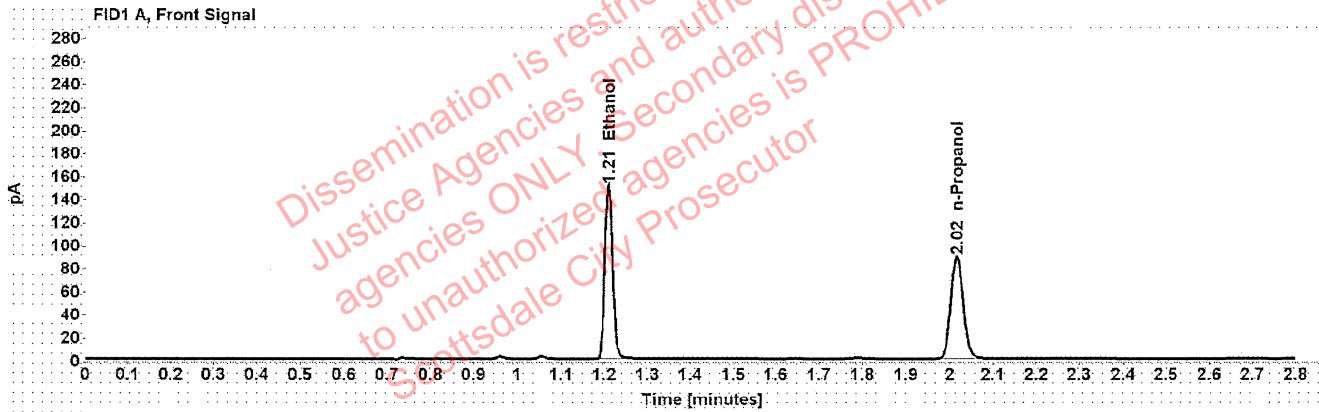


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3019	1.210	191.435
n-Propanol	-----	2.016	176.121

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

Compound	Time (min)	Peak Area
Ethanol	1.374	242.756
n-Propanol	2.466	220.086

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394532	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:33:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\37.D	Analyst:	Brooke

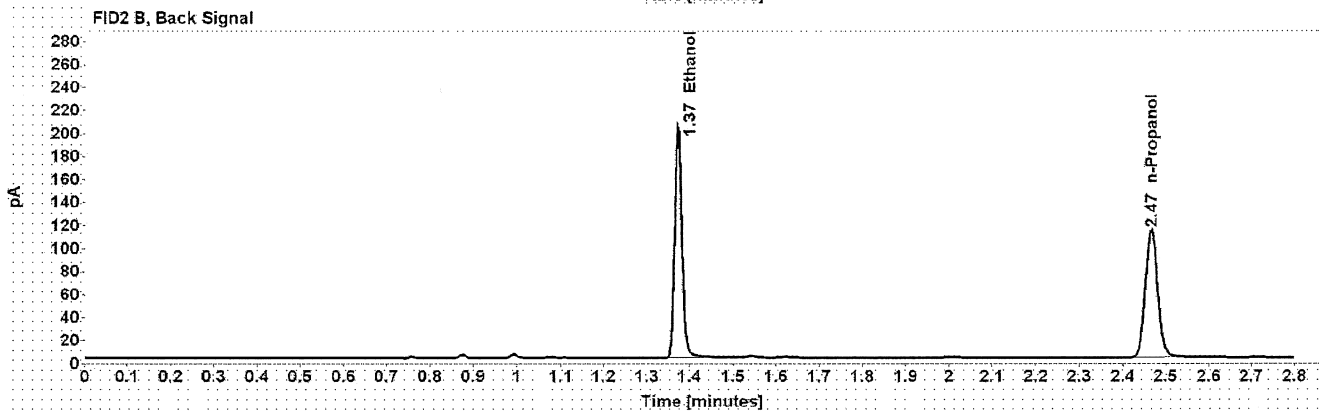
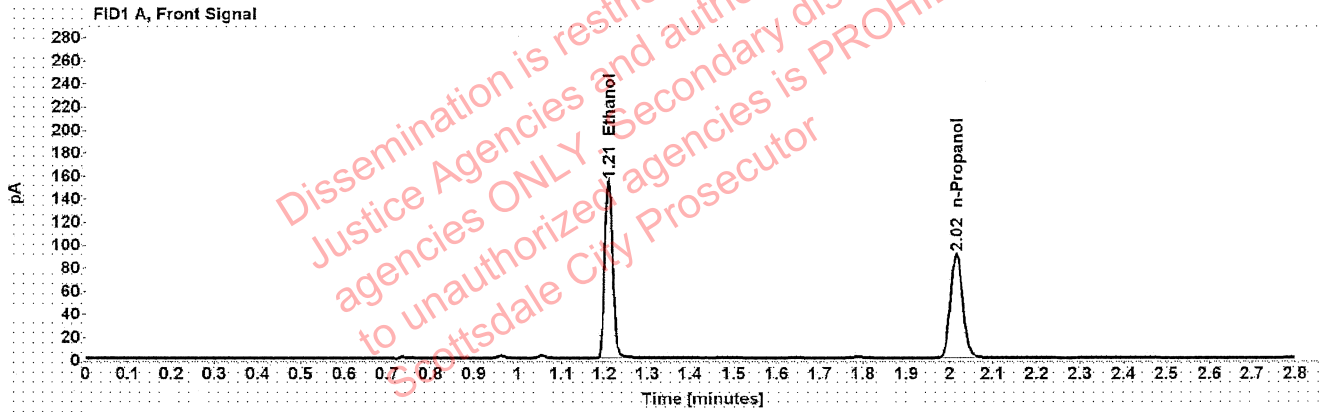


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3034	1.209	195.848
n-Propanol	-----	2.016	179.260

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

Compound	Time (min)	Peak Area
Ethanol	1.373	248.320
n-Propanol	2.466	223.883

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395087	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:37:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\38.D	Analyst:	Brooke

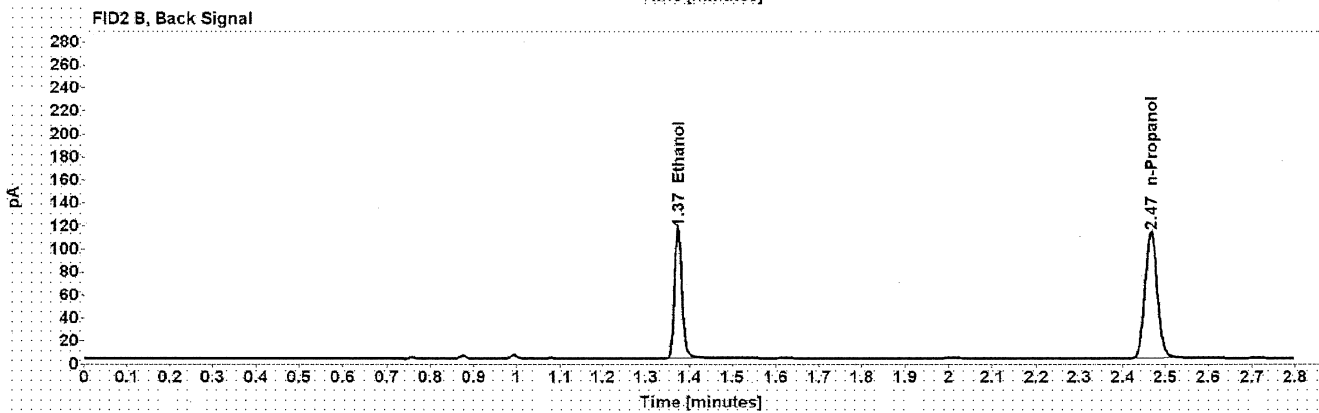
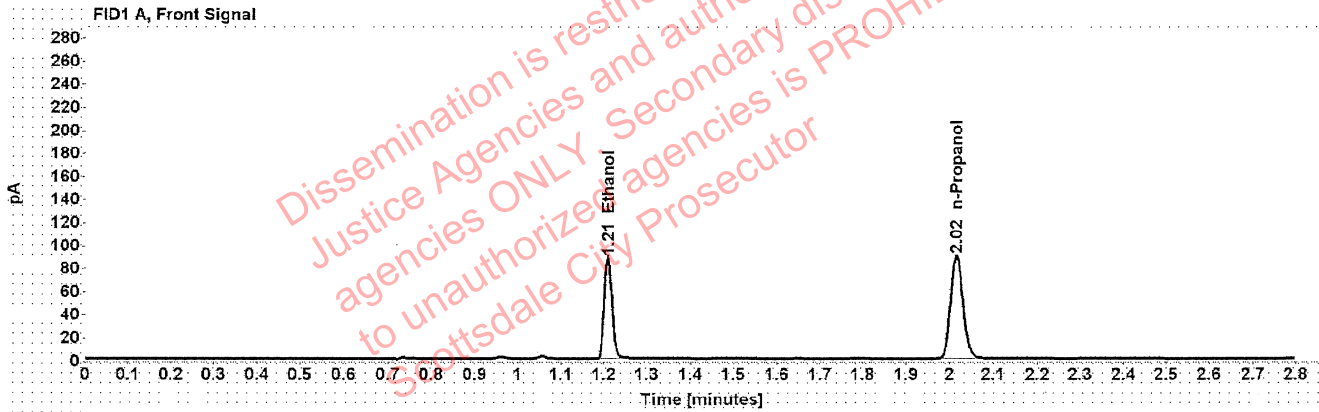


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1741	1.210	111.050
n-Propanol	-----	2.016	177.632

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

Compound	Time (min)	Peak Area
Ethanol	1.373	141.021
n-Propanol	2.466	222.374

[REDACTED] : Brooke, Phillip - (02-Nov-2021)

Case: [REDACTED] User: pbrooke 11/2/2021

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395087	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:41:23 PM
Data file:	C:\Chem321\1\Data\02Nov21\39.D	Analyst:	Brooke

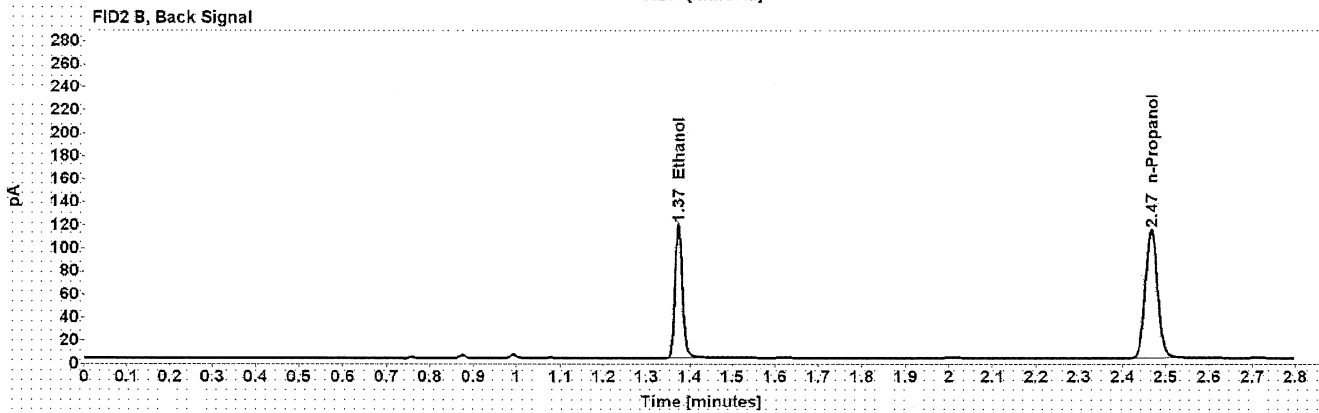
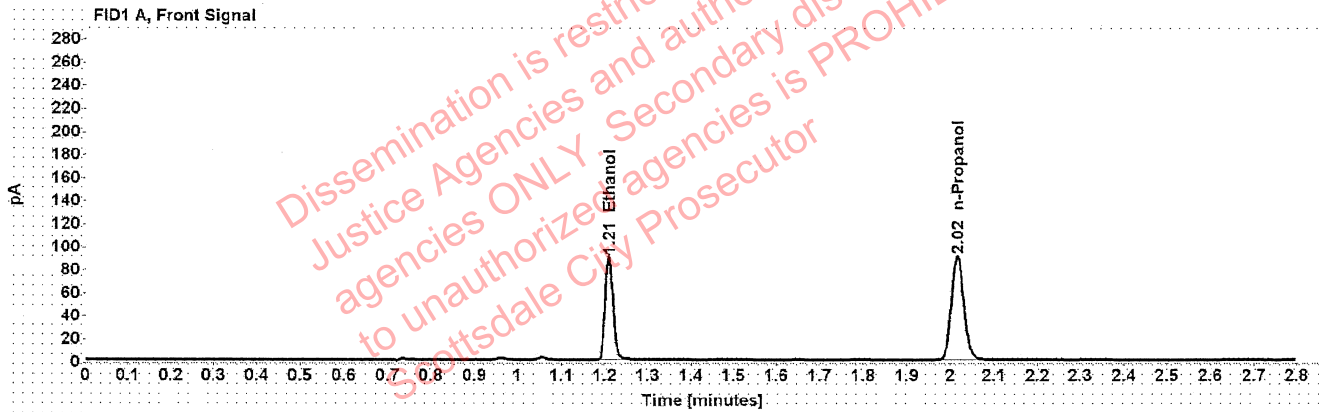


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1763	1.210	113.699
n-Propanol	-----	2.016	179.567

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

Compound	Time (min)	Peak Area
Ethanol	1.374	144.423
n-Propanol	2.466	224.820



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1368304	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:45:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\40.D	Analyst:	Brooke

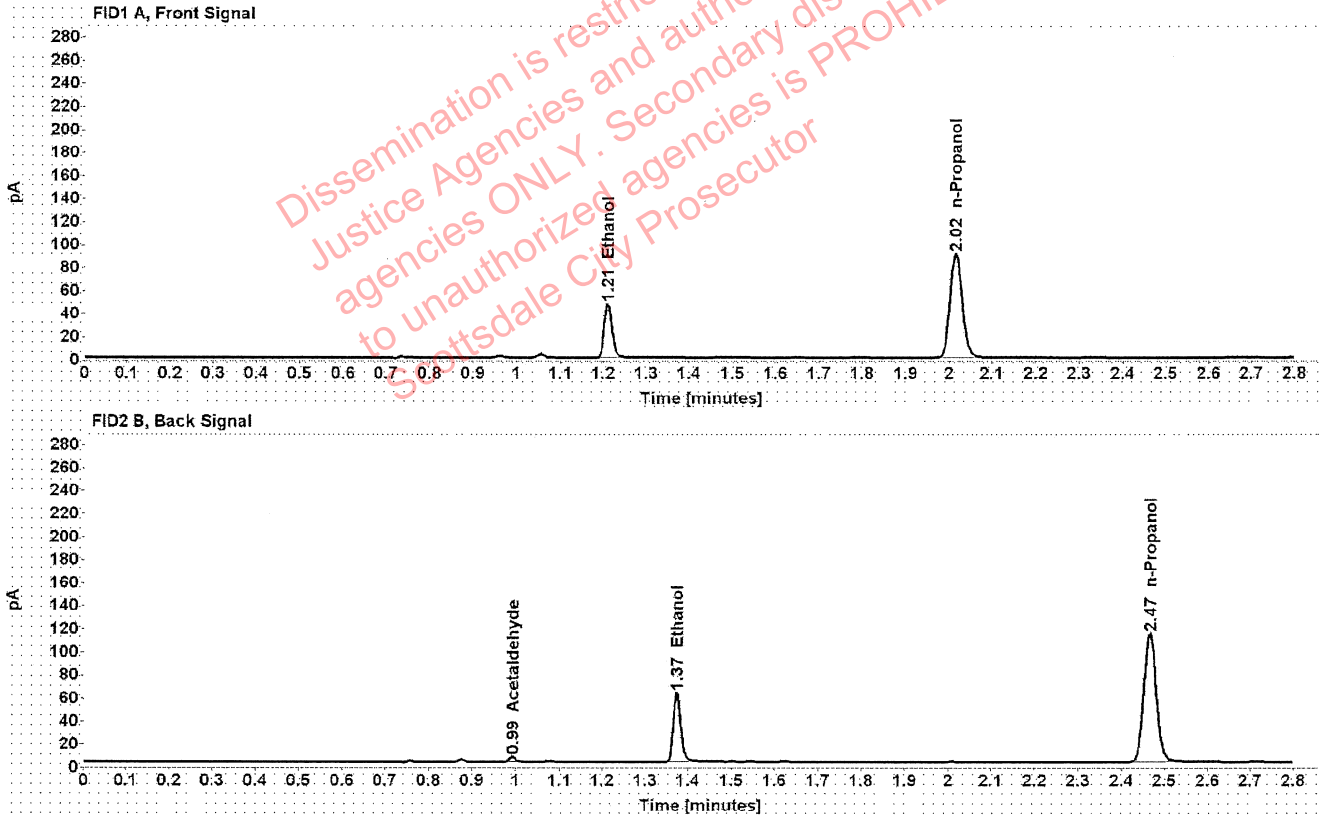


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0921	1.211	59.236
n-Propanol	-----	2.016	180.137

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.117
Ethanol	1.374	74.282
n-Propanol	2.466	225.385

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1368304	Vial:	41
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/2/2021 2:49:23 PM
Data file:	C:\Chem32\1\Data\02Nov21\41.D	Analyst:	Brooke

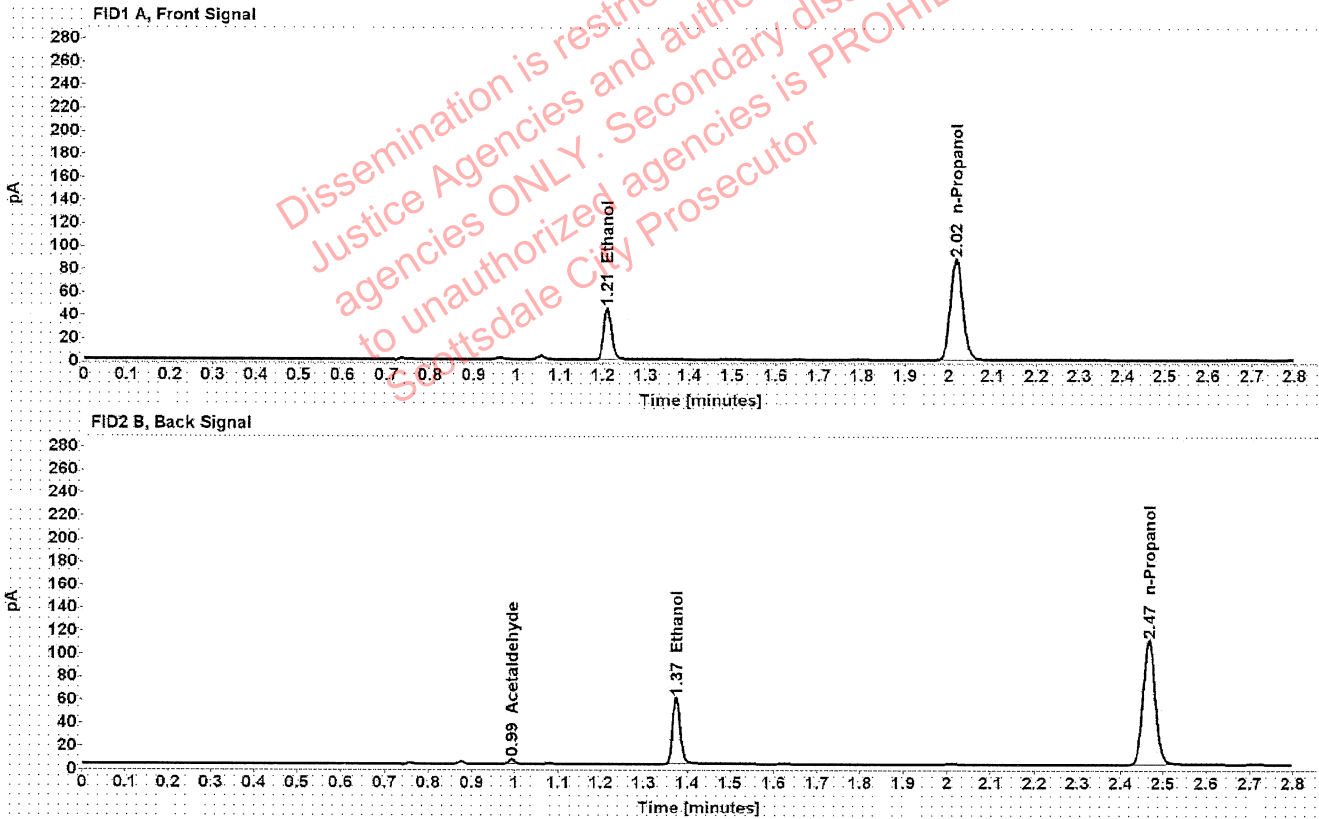


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0914	1.211	56.821
n-Propanol	-----	2.016	174.110

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.021
Ethanol	1.374	71.047
n-Propanol	2.466	218.203