

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 03/01/2022 SEQUENCE NAME 01Mar22

**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 0.99999  
 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	0.400 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	0.200 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	0.082 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.400 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  Erika Canonico Analyst  
 Run valid  Run invalid  Phil Brooks Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 01Mar22

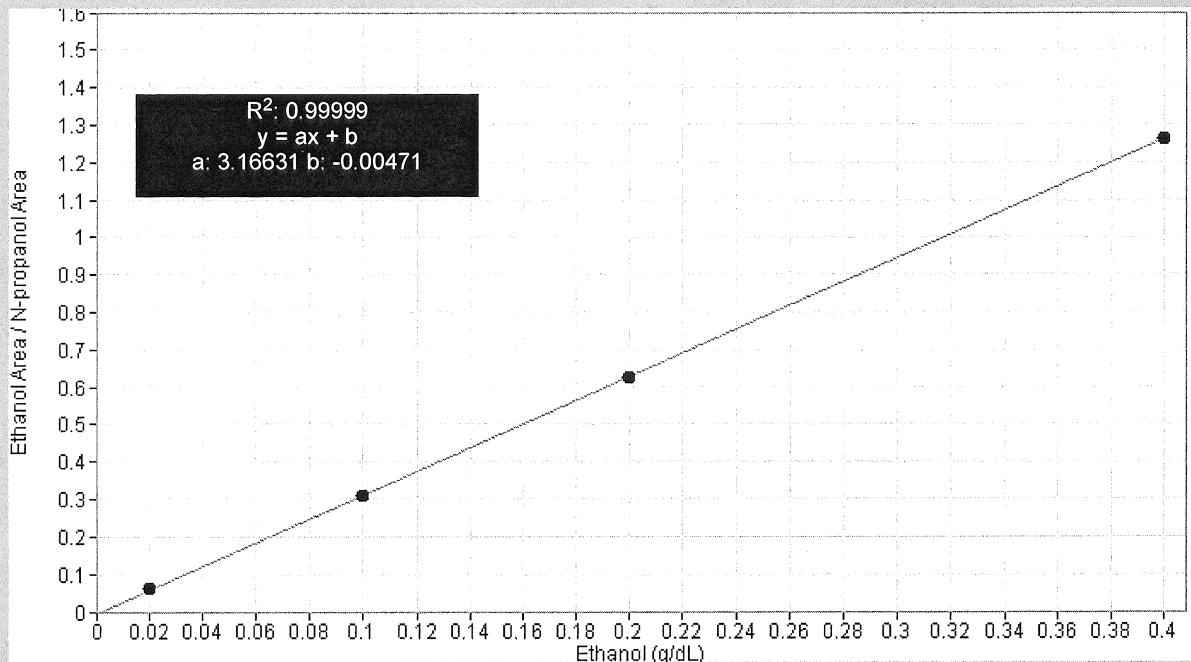
ANALYST: Canonico

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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	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/2	9	0.200	0.199	0.50	0.001
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.082	0.080	2.50	0.002
0.400 11092018-A	42	0.400	0.400	0.00	0.000
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	11.611	191.156	0.061
0.100	58.280	187.778	0.310
0.200	120.057	191.527	0.627
0.400	235.357	186.355	1.263

### 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> 01Mar22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/1/2022 10:41:59 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ee</span>
<b>Data file:</b> C:\Chem32\1\Data\01Mar22\1.D	

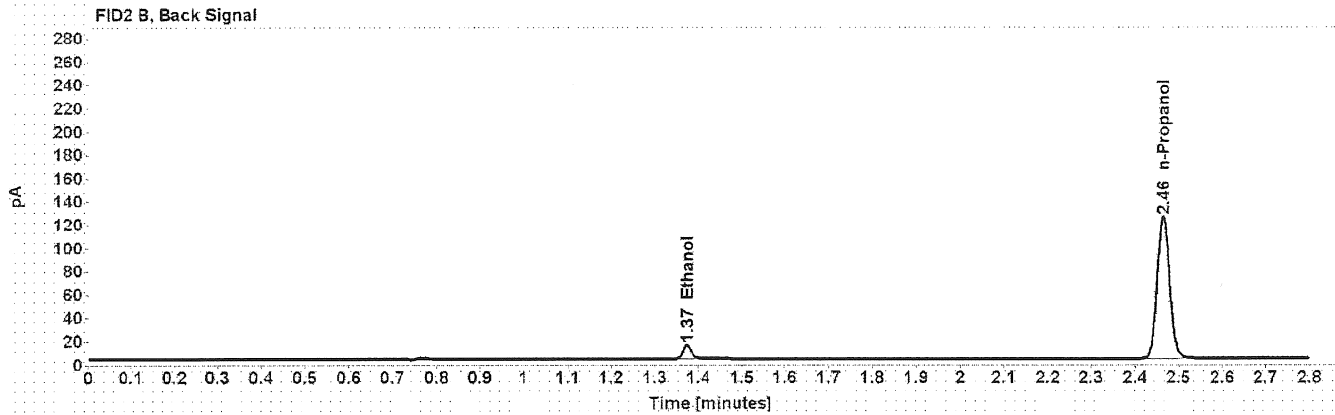
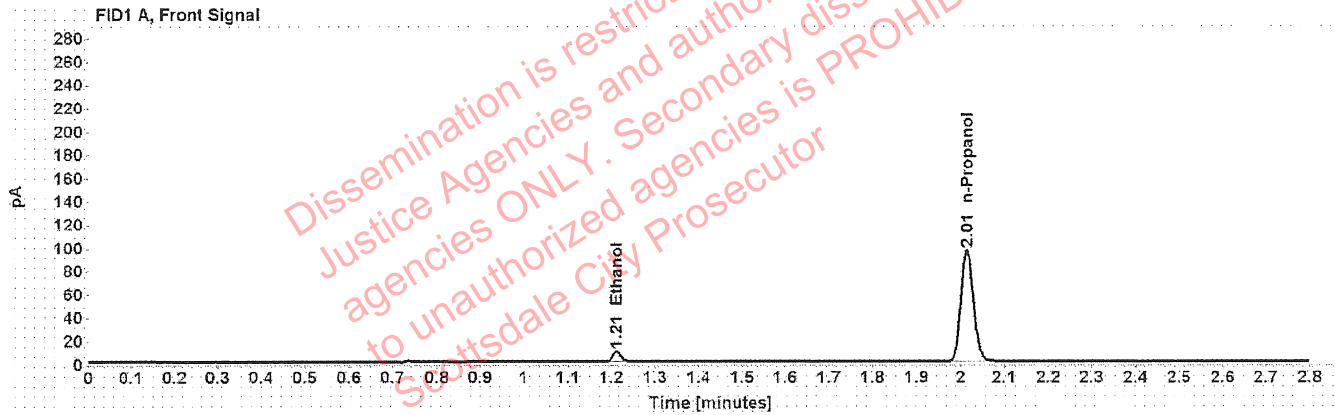


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.611
n-Propanol	2.015	191.156

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

Compound	Time (min)	Peak Area
Ethanol	1.374	14.690
n-Propanol	2.464	243.019

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 01Mar22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/1/2022 10:45:59 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ee</span>
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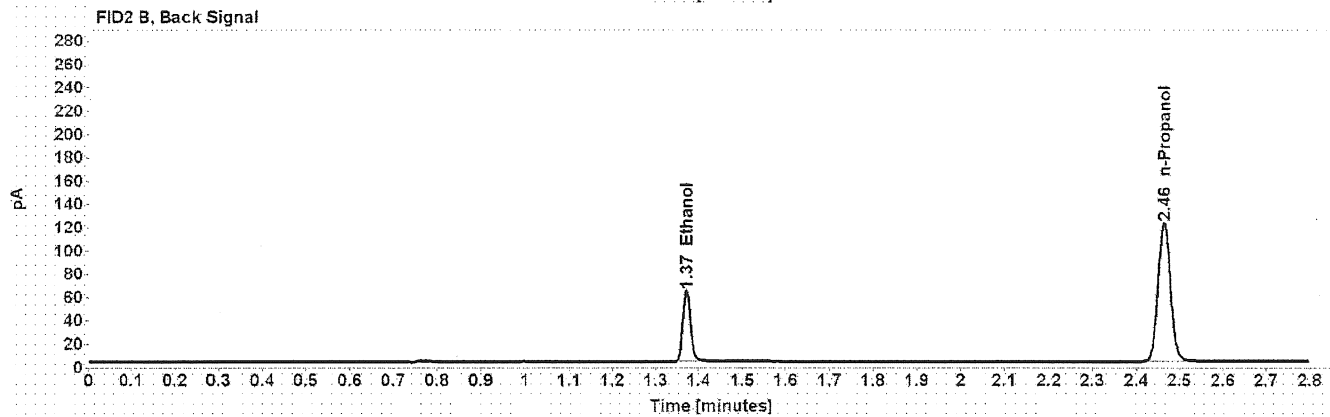
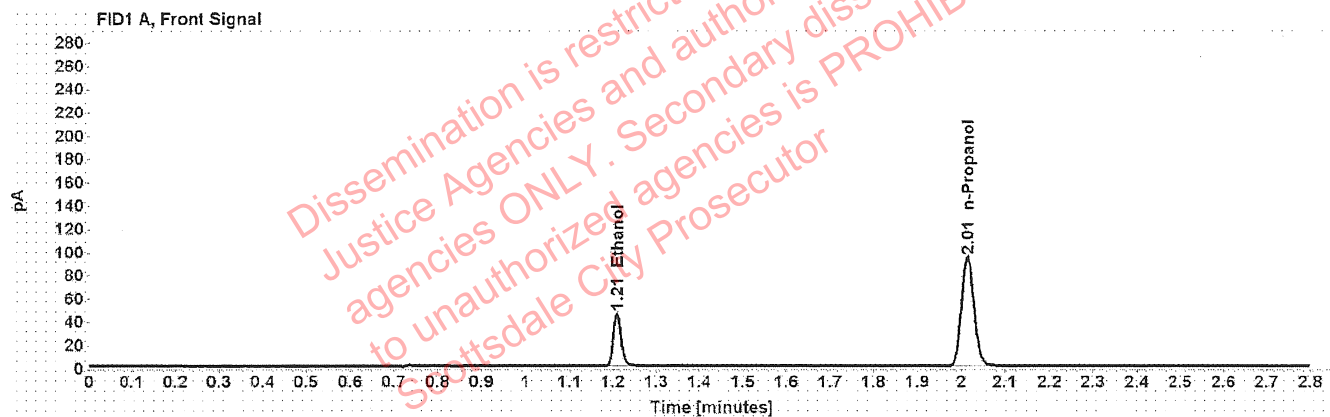


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	58.280
n-Propanol	2.014	187.778

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

Compound	Time (min)	Peak Area
Ethanol	1.372	74.163
n-Propanol	2.464	238.621



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05101903	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 01Mar22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/1/2022 10:49:58 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ec</span>
<b>Data file:</b> C:\Chem32\1\Data\01Mar22\3.D	

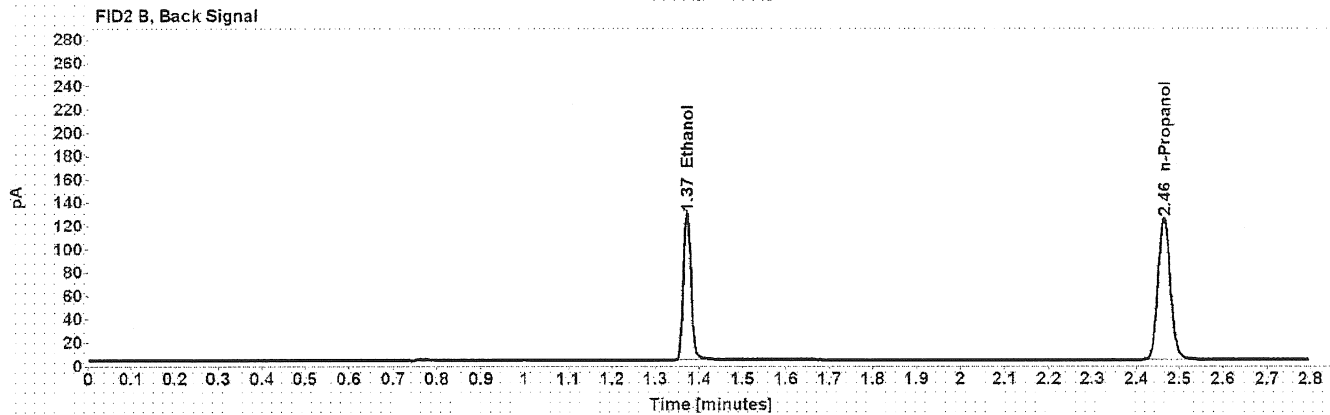
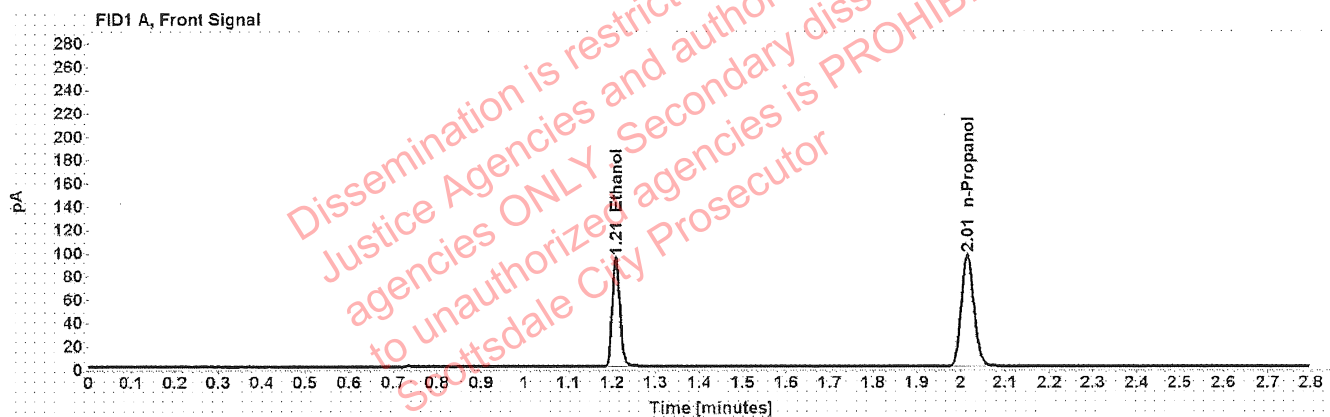


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.057
n-Propanol	2.015	191.527

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

Compound	Time (min)	Peak Area
Ethanol	1.372	152.835
n-Propanol	2.465	243.199

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051906	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 01Mar22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/1/2022 10:53:59 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ec</span>
<b>Data file:</b> C:\Chem32\1\Data\01Mar22\4.D	

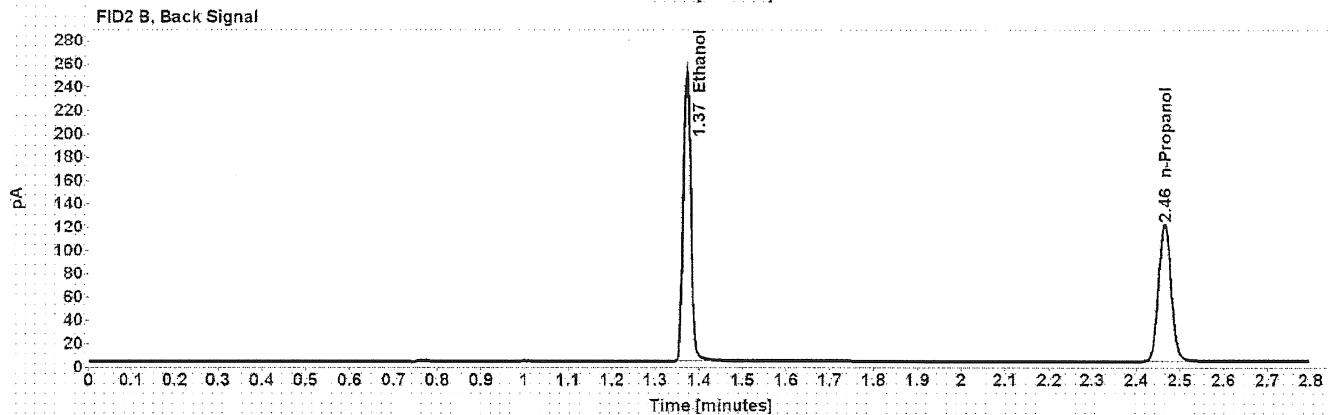
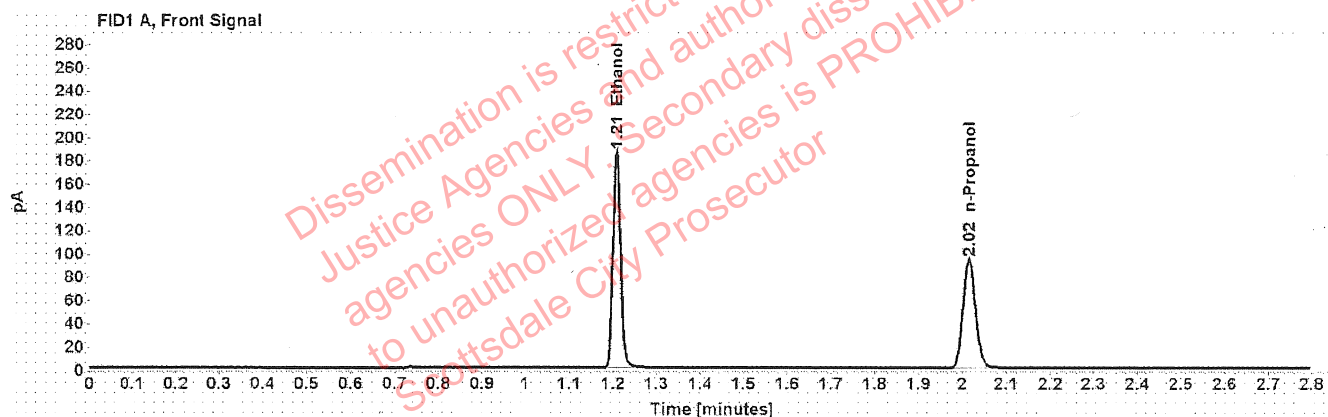


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	235.357
n-Propanol	2.015	186.355

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

Compound	Time (min)	Peak Area
Ethanol	1.372	300.192
n-Propanol	2.465	236.594

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	010722AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 10:57:59 AM
Data file:	C:\Chem32\1\Data\01Mar22\5.D	Analyst:	Canonico <i>EC</i>

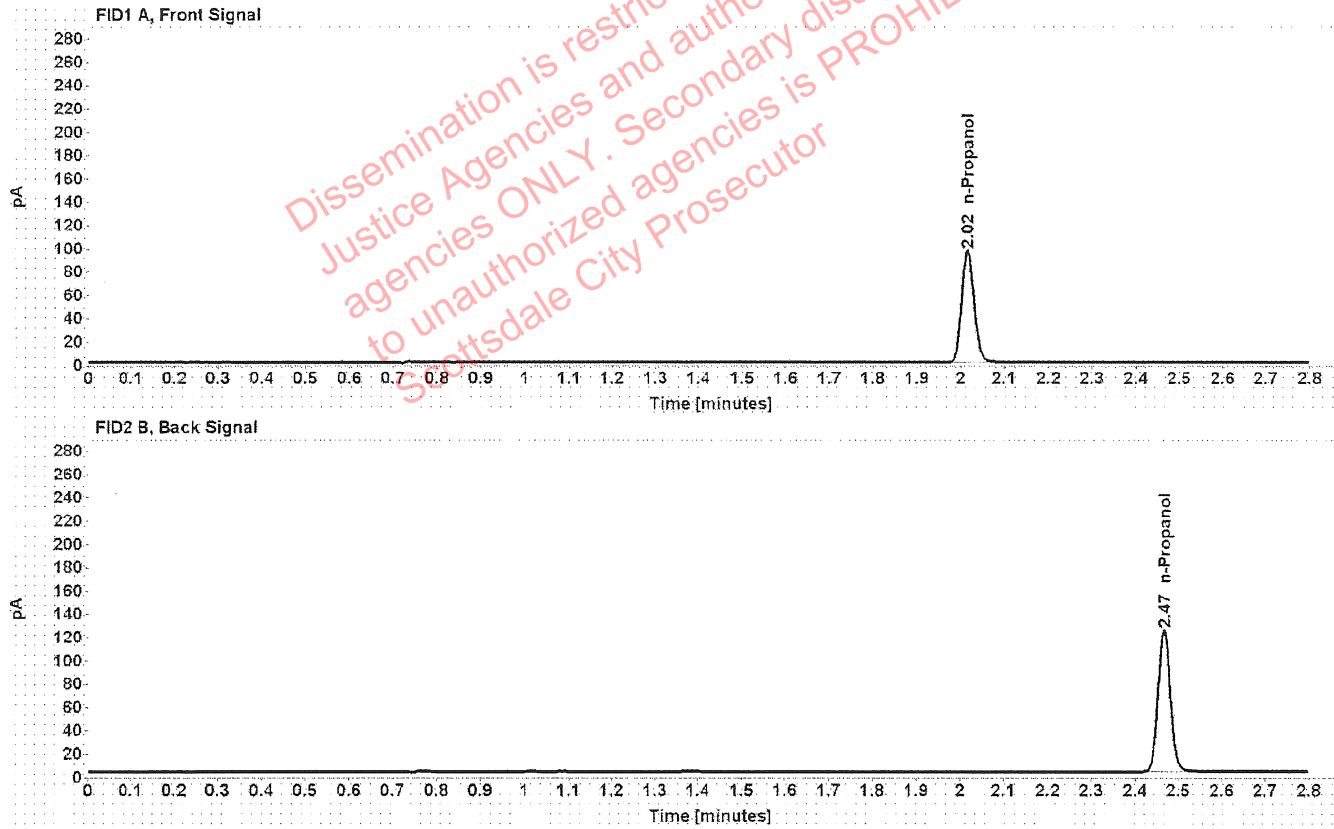


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	191.675

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	243.296

# 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>	01Mar22
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	3/1/2022 11:01:59 AM
<b>Data file:</b>	C:\Chem32\1\Data\01Mar22\6.D	<b>Analyst:</b>	Canonico <i>ec</i>

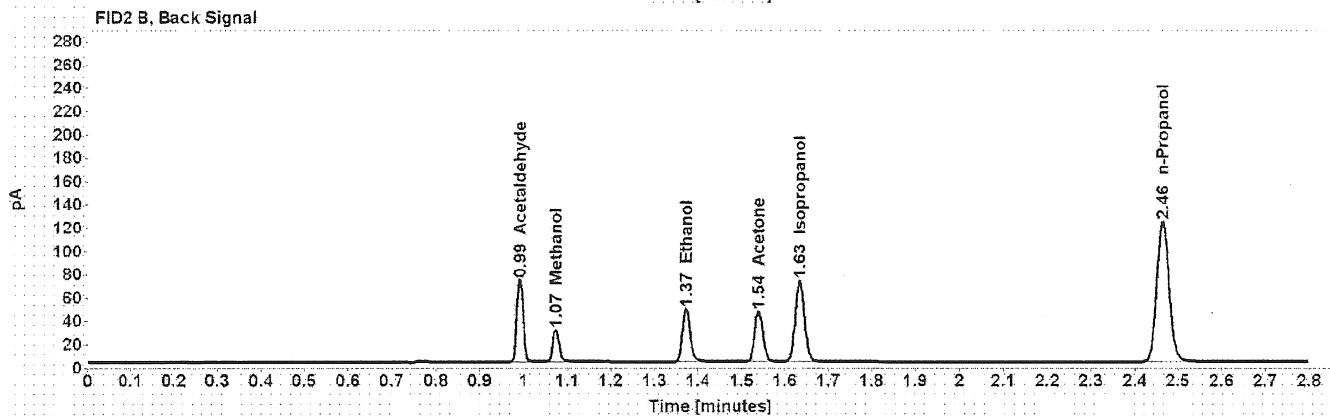
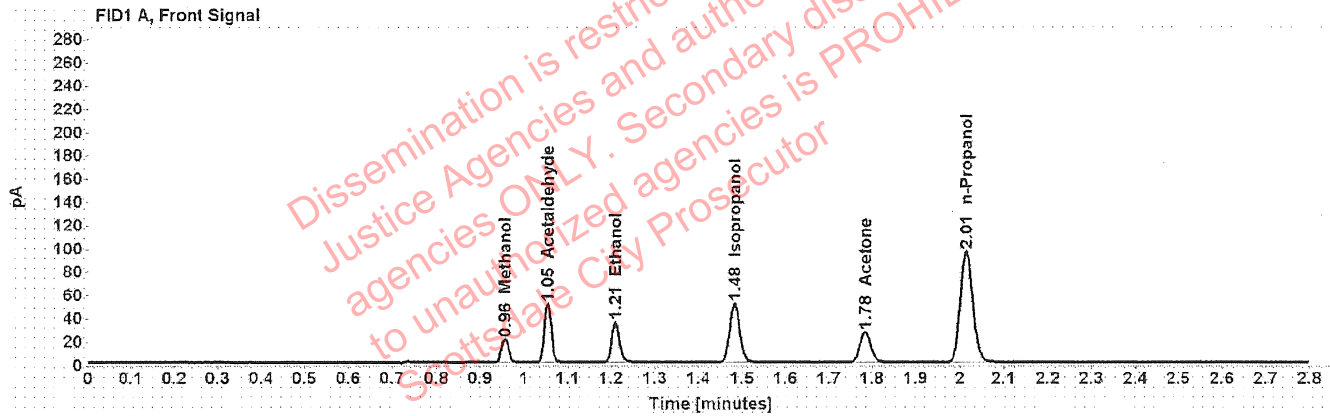


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	22.564
Acetaldehyde	-----	1.054	55.517
>Ethanol	0.0746	1.210	44.051
Isopropanol	-----	1.483	81.212
Acetone	-----	1.784	45.052
n-Propanol	-----	2.015	190.271

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	71.729
Methanol	1.074	29.138
Ethanol	1.372	55.987
Acetone	1.539	57.245
Isopropanol	1.634	105.080
n-Propanol	2.465	241.704

# 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> 01Mar22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/1/2022 11:06:14 AM
<b>Data file:</b> C:\Chem32\1\Data\01Mar22\7.D	<b>Analyst:</b> Canonico <i>ee</i>

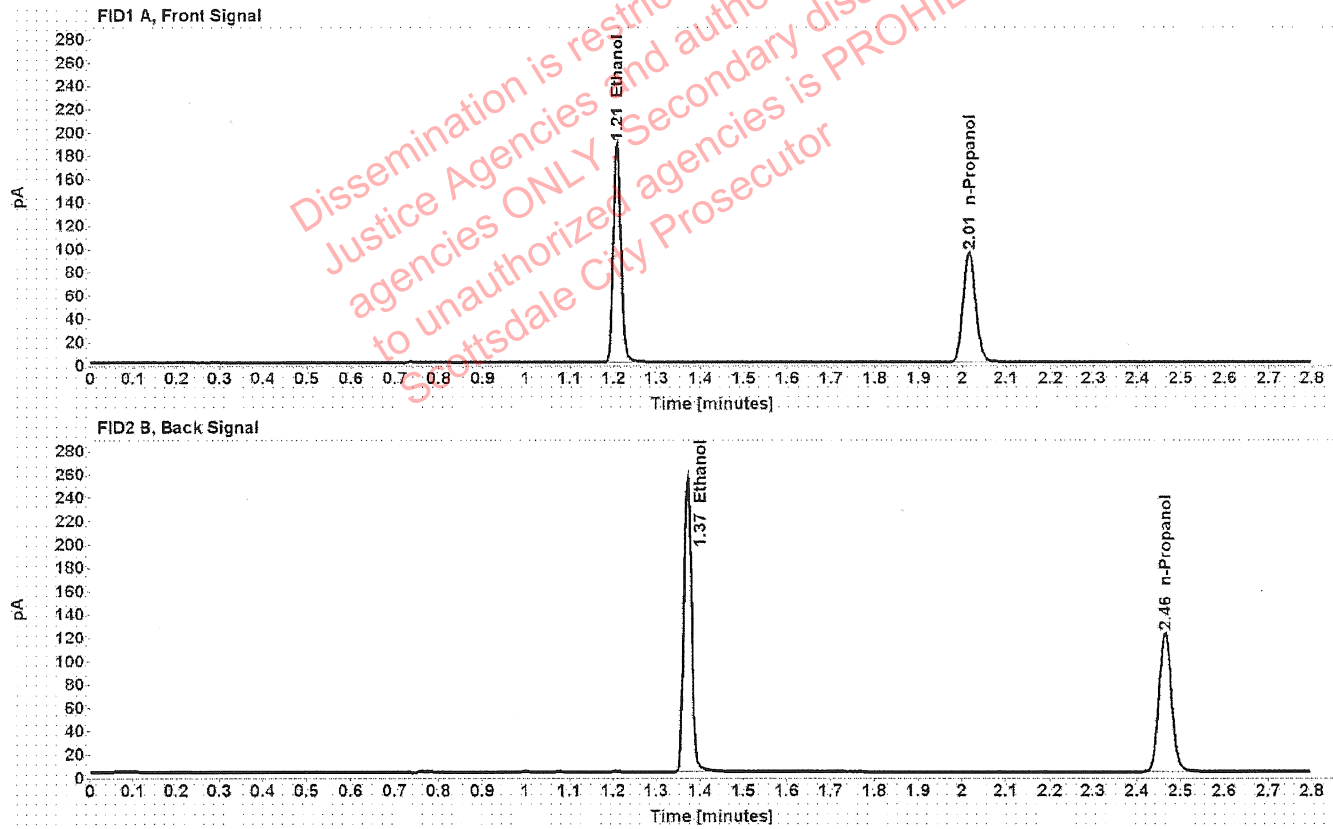


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4006	1.208	238.748
n-Propanol	-----	2.015	188.926

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

Compound	Time (min)	Peak Area
Ethanol	1.371	304.435
n-Propanol	2.465	239.952



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:10:13 AM
Data file:	C:\Chem32\1\Data\01Mar22\8.D	Analyst:	Canonico <i>EC</i>

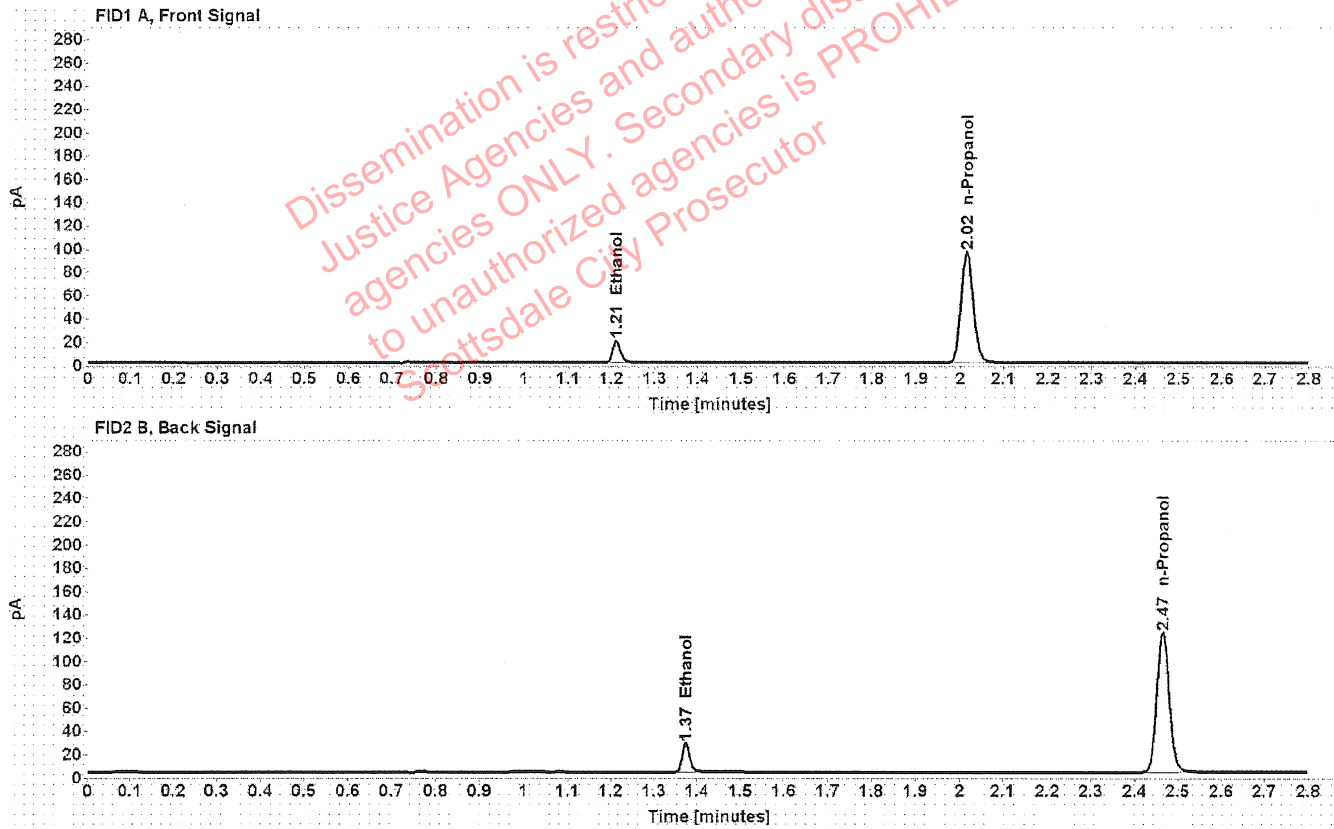


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.211	23.891
n-Propanol	-----	2.016	189.939

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.334
n-Propanol	2.466	241.363

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/2	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:14:14 AM
Data file:	C:\Chem32\1\Data\01Mar22\9.D	Analyst:	Canonico <i>EC</i>

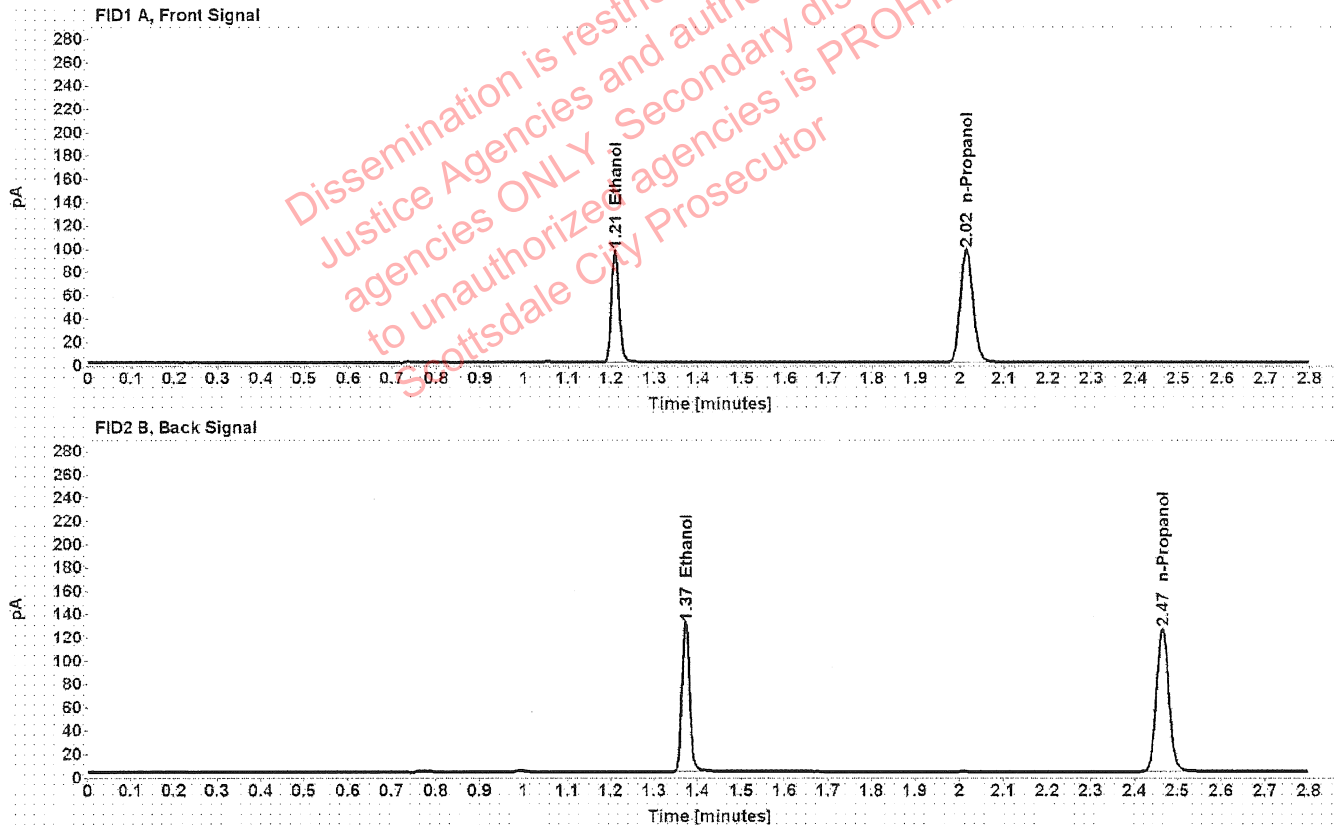


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2009	1.209	122.387
n-Propanol	-----	2.015	193.847

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

Compound	Time (min)	Peak Area
Ethanol	1.372	156.059
n-Propanol	2.465	246.333

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:58:44 AM
Data file:	C:\Chem32\1\Data\01Mar22\20.D	Analyst:	Canonico <i>EC</i>

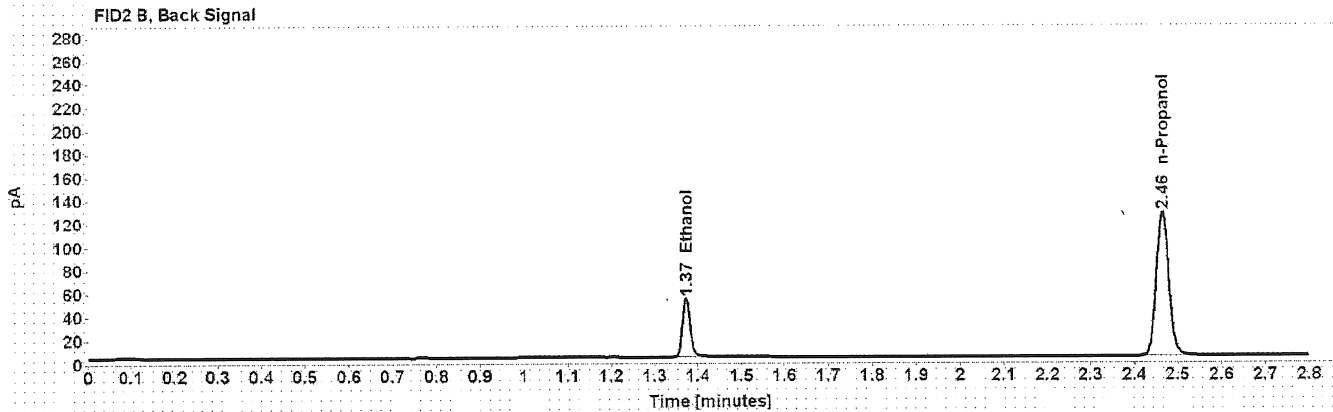
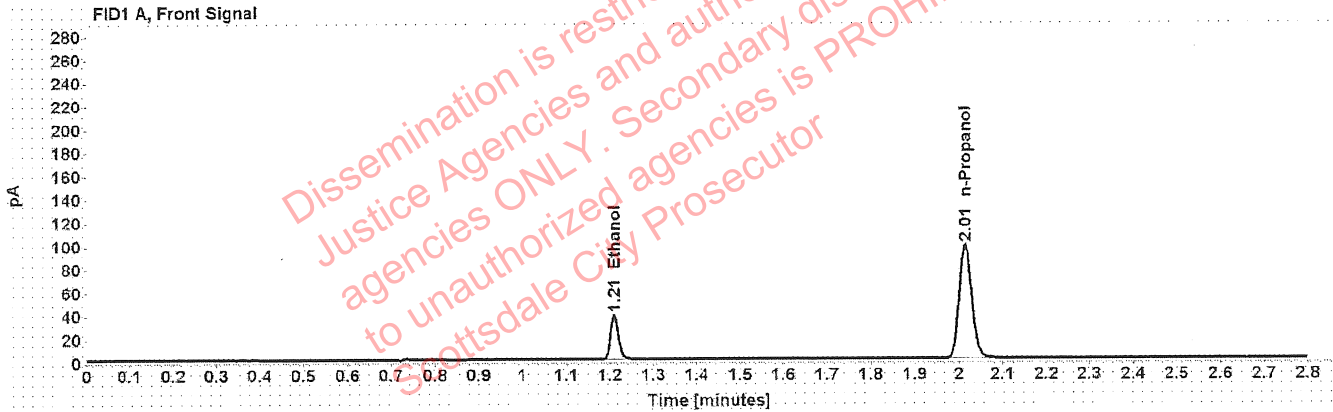


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.210	48.950
n-Propanol	-----	2.015	195.258

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

Compound	Time (min)	Peak Area
Ethanol	1.372	62.232
n-Propanol	2.465	248.175

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:43:15 PM
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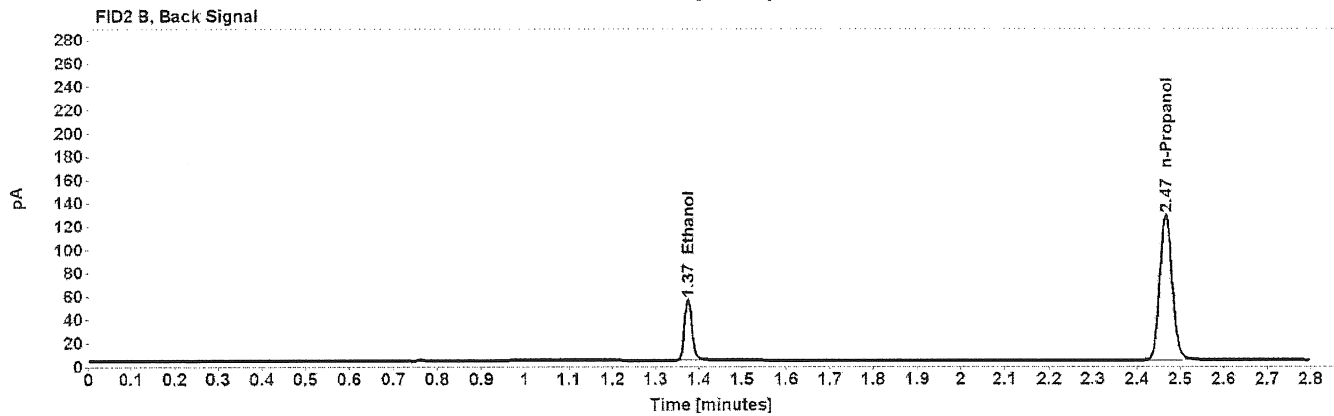
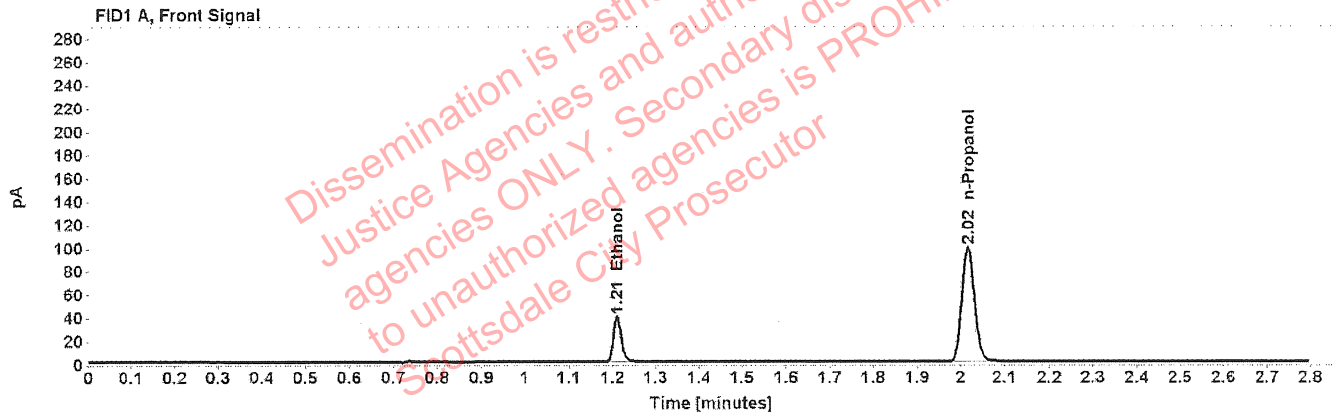


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0822	1.211	50.293
n-Propanol	-----	2.016	196.863

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.695
n-Propanol	2.467	250.064

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:27:28 PM
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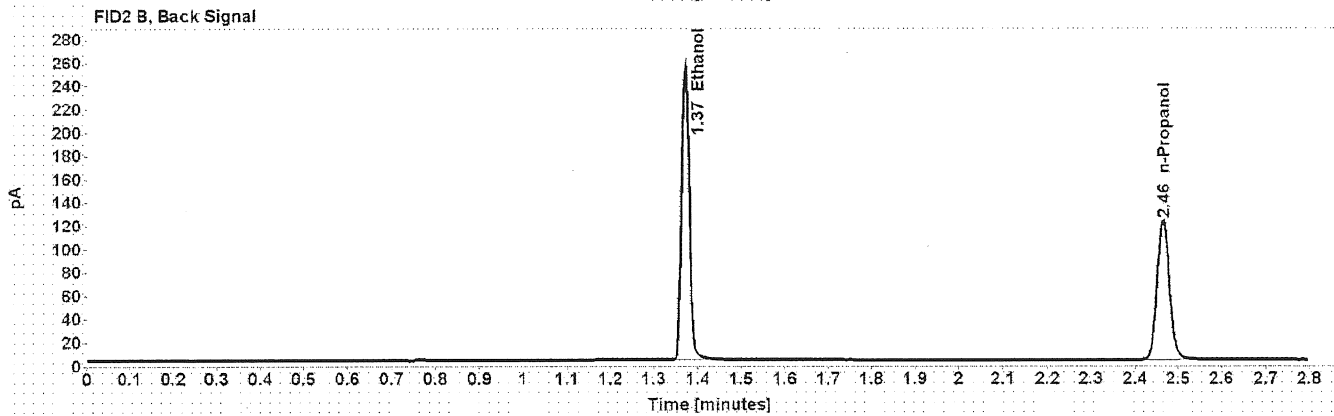
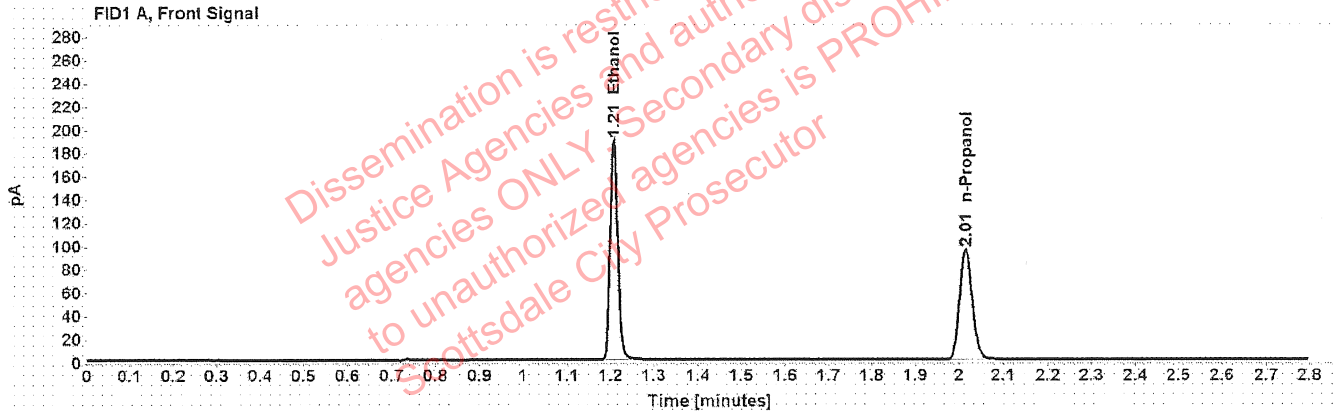


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4007	1.208	239.172
n-Propanol	-----	2.015	189.229

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

Compound	Time (min)	Peak Area
Ethanol	1.371	305.474
n-Propanol	2.465	240.873



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:31:44 PM
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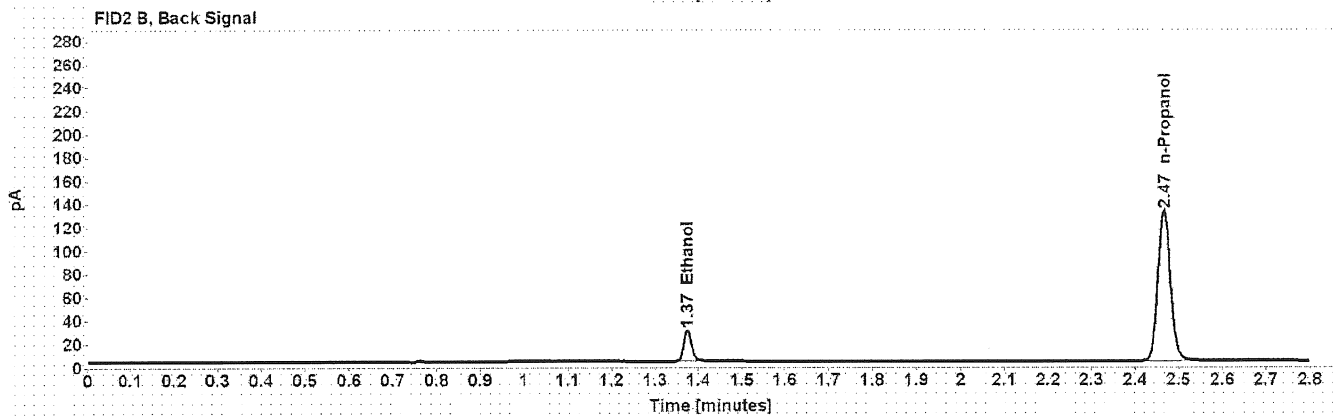
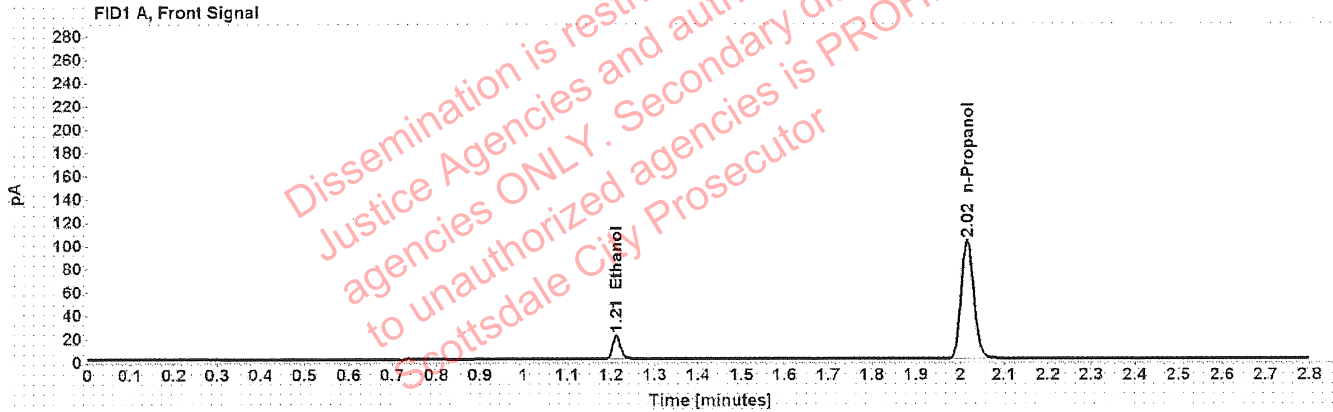


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0419	1.212	26.045
n-Propanol	-----	2.016	203.397

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

Compound	Time (min)	Peak Area
Ethanol	1.375	33.050
n-Propanol	2.466	258.524

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/2	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:35:44 PM
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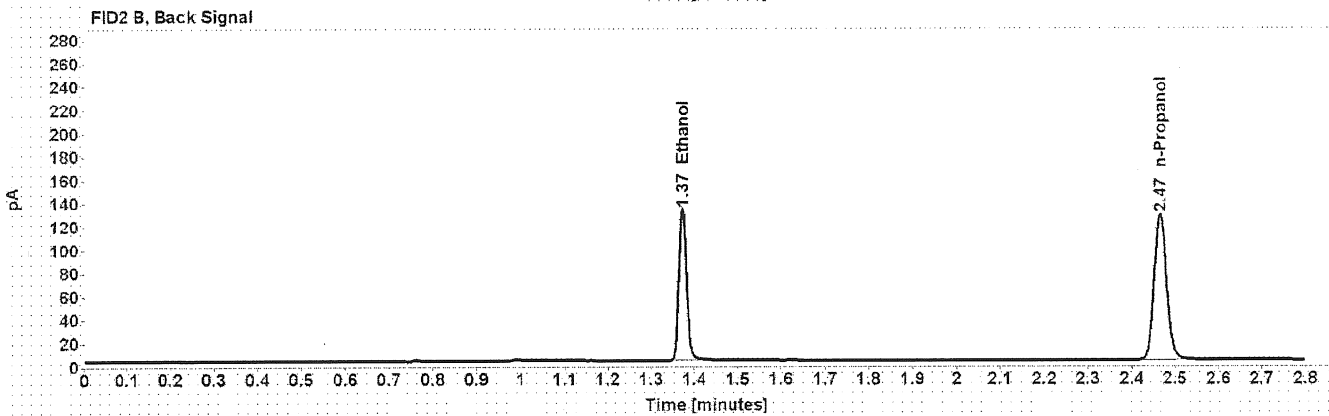
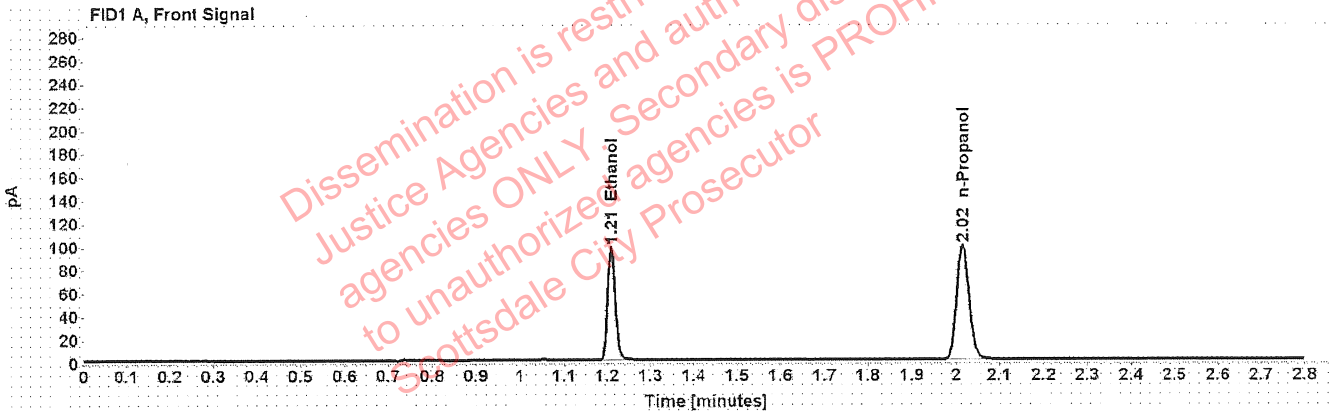


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2010	1.209	124.508
n-Propanol	-----	2.016	197.056

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

Compound	Time (min)	Peak Area
Ethanol	1.373	159.190
n-Propanol	2.466	250.594

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:39:43 PM
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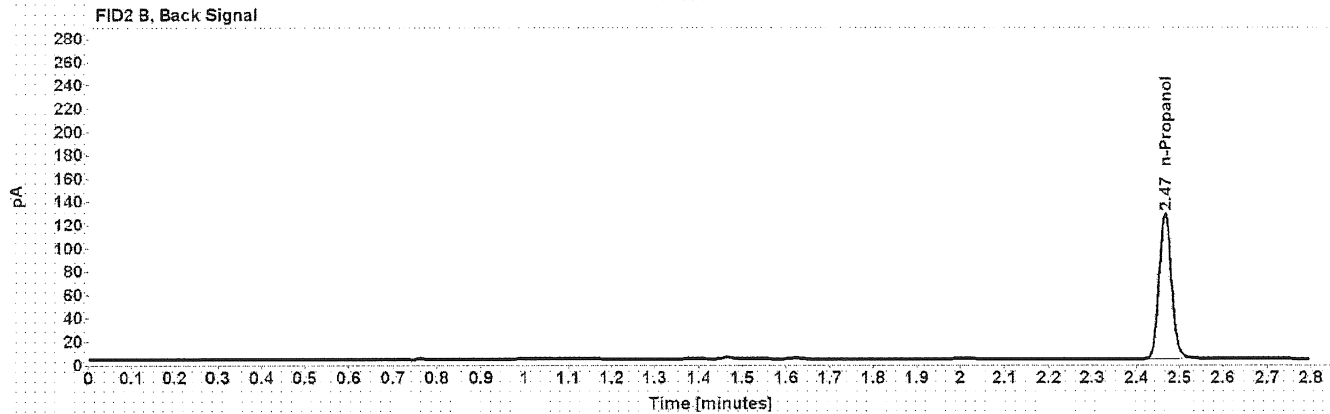
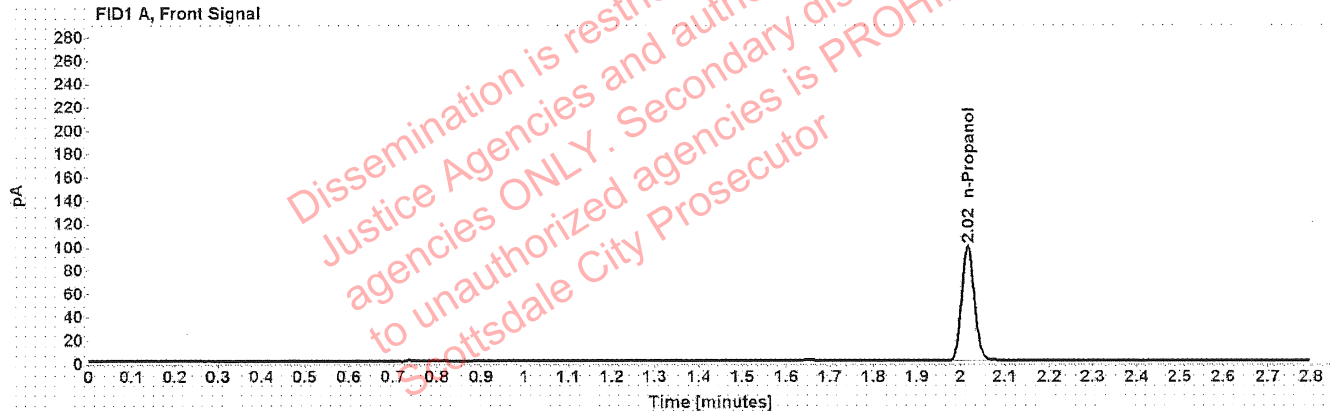


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	197.088

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	251.080

# Sequence Summary

Sequence name: 01Mar22      Instrument: US14173023 CN14160045      Analyst: Canonico EQ

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	1383730		Sample		ethanol quant.M
11	1383730		Sample		ethanol quant.M
12	32701DK		Sample		ethanol quant.M
13	32701DK		Sample		ethanol quant.M
14	39401SJ		Sample		ethanol quant.M
15	39401SJ		Sample		ethanol quant.M
16	39401MB		Sample		ethanol quant.M
17	39401MB		Sample		ethanol quant.M
18	32701GG		Sample		ethanol quant.M
19	32701GG		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	32701NH		Sample		ethanol quant.M
22	32701NH		Sample		ethanol quant.M
23	20901AH		Sample		ethanol quant.M
24	20901AH		Sample		ethanol quant.M
25	39401MA		Sample		ethanol quant.M
26	39401MA		Sample		ethanol quant.M
27	16901KT		Sample		ethanol quant.M
28	16901KT		Sample		ethanol quant.M
29	1409701		Sample		ethanol quant.M
30	1409701		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1409972		Sample		ethanol quant.M
33	1409972		Sample		ethanol quant.M
34	1401927		Sample		ethanol quant.M
35	1401927		Sample		ethanol quant.M
36	1409694		Sample		ethanol quant.M
37	1409694		Sample		ethanol quant.M
38	1408888		Sample		ethanol quant.M
39	1408888		Sample		ethanol quant.M
40	1407727		Sample		ethanol quant.M
41	1407727		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

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 01Mar22

ANALYST: Canonico

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0991	0.0988	0.09895	0.15	0.00015
12 13	0.1090	0.1101	0.10955	0.50	0.00055
14 15	0.0631	0.0636	0.06335	0.39	0.00025
16 17	0.1031	0.1025	0.10280	0.29	0.00030
18 19	0.0617	0.0617	0.06170	0.00	0.00000
21 22	0.1023	0.1026	0.10245	0.15	0.00015
23 24	0.0097	0.0096	0.00965	0.52	0.00005
25 26	0.2290	0.2283	0.22865	0.15	0.00035
27 28	0.2427	0.2433	0.24300	0.12	0.00030
29 30	0.2038	0.2025	0.20315	0.32	0.00065
32 33	0.1550	0.1547	0.15485	0.10	0.00015
34 35	0.1851	0.1856	0.18535	0.13	0.00025
36 37	0.2218	0.2167	0.21925	1.16	0.00255
38 39	0.2097	0.2073	0.20850	0.58	0.00120
40 41	0.1815	0.1831	0.18230	0.44	0.00080

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





## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1383730	Vial: 10
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 01Mar22
Instrument: US14173023 CN14160045	Injection date: 3/1/2022 11:18:14 AM
Data file: C:\Chem32\1\Data\01Mar22\10.D	Analyst: Canonico

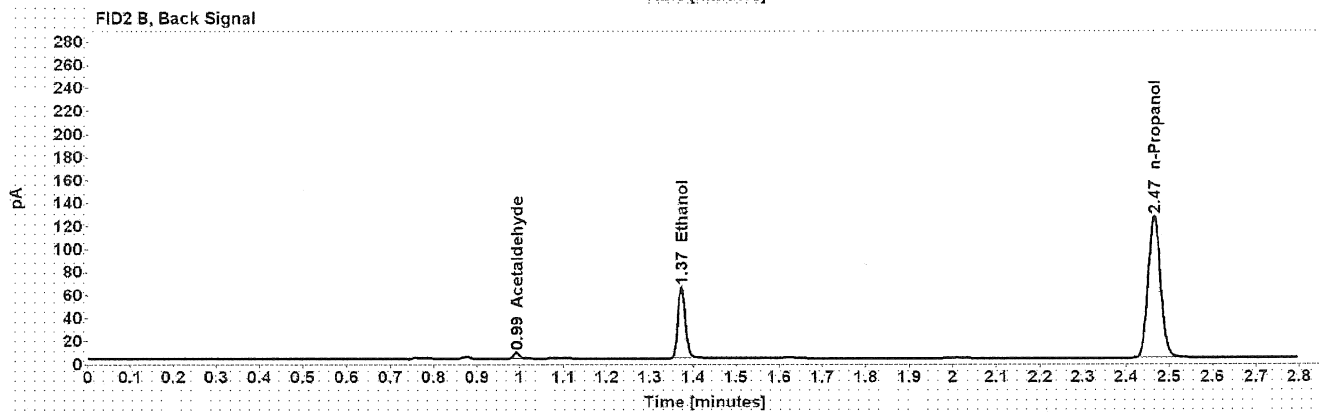
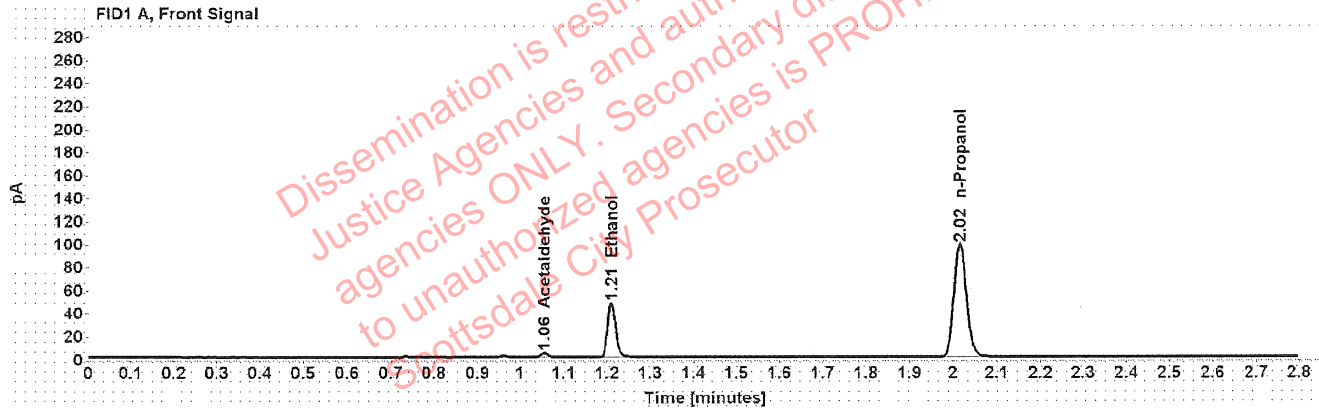


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.030
>Ethanol	0.0991	1.210	60.050
n-Propanol	-----	2.015	194.358

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	5.297
Ethanol	1.373	76.085
n-Propanol	2.465	248.048

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1383730	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:22:14 AM
Data file:	C:\Chem32\1\Data\01Mar22\11.D	Analyst:	Canonico

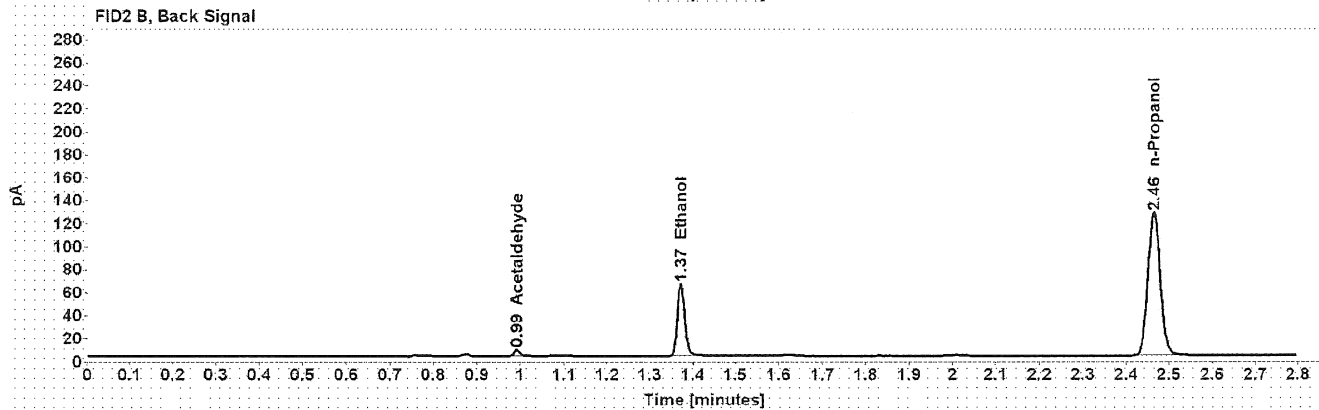
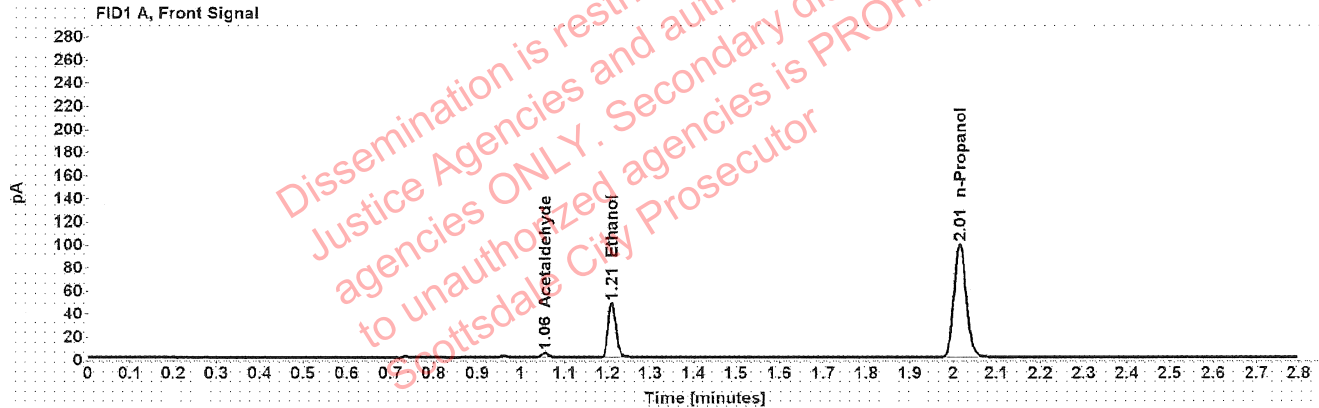


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.124
>Ethanol	0.0988	1.210	60.534
n-Propanol	-----	2.015	196.390

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	5.412
Ethanol	1.372	76.507
n-Propanol	2.465	250.613

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701DK	Vial:	12
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:26:14 AM
Data file:	C:\Chem32\1\Data\01Mar22\12.D	Analyst:	Canonico

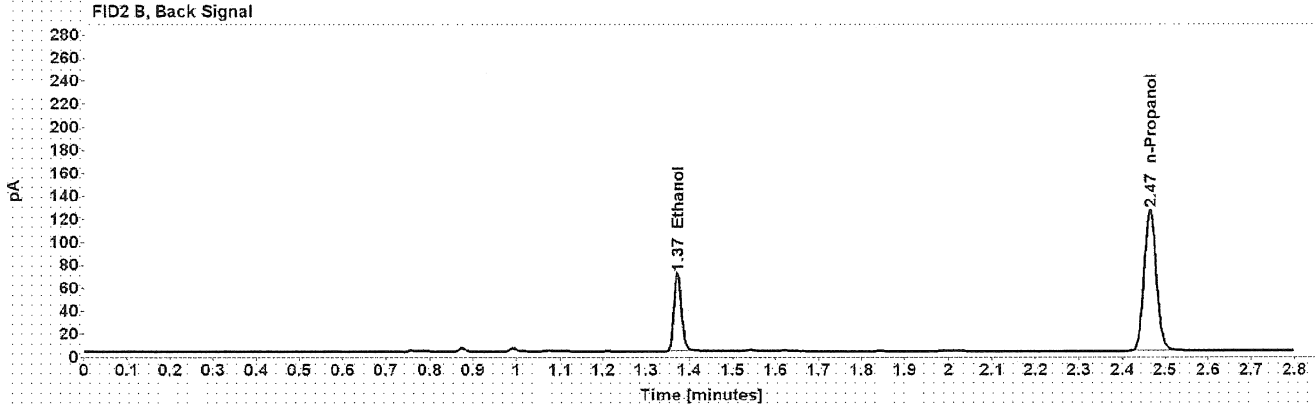
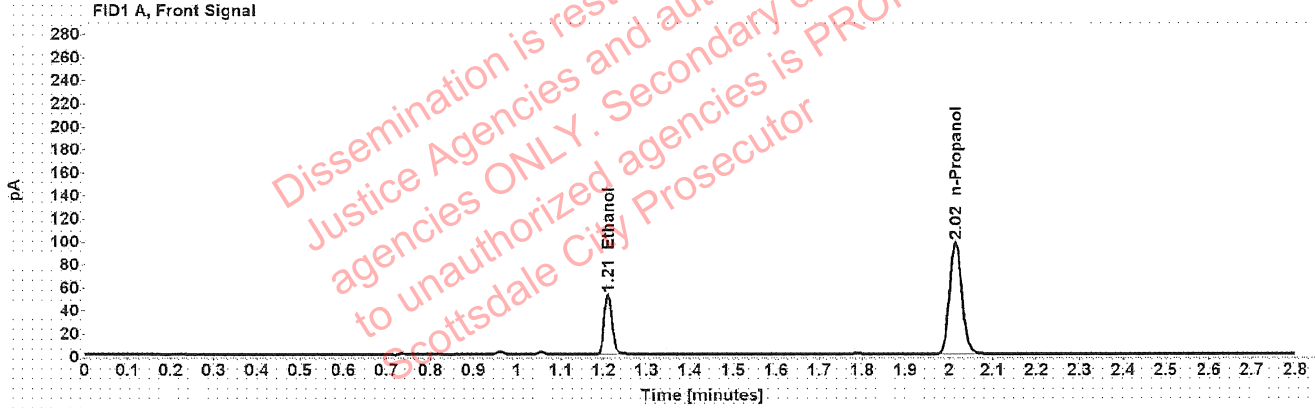


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1090	1.210	65.830
n-Propanol	-----	2.015	193.426

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

Compound	Time (min)	Peak Area
Ethanol	1.372	83.377
n-Propanol	2.465	246.416



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701DK	Vial:	13
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:30:29 AM
Data file:	C:\Chem32\1\Data\01Mar22\13.D	Analyst:	Canonico

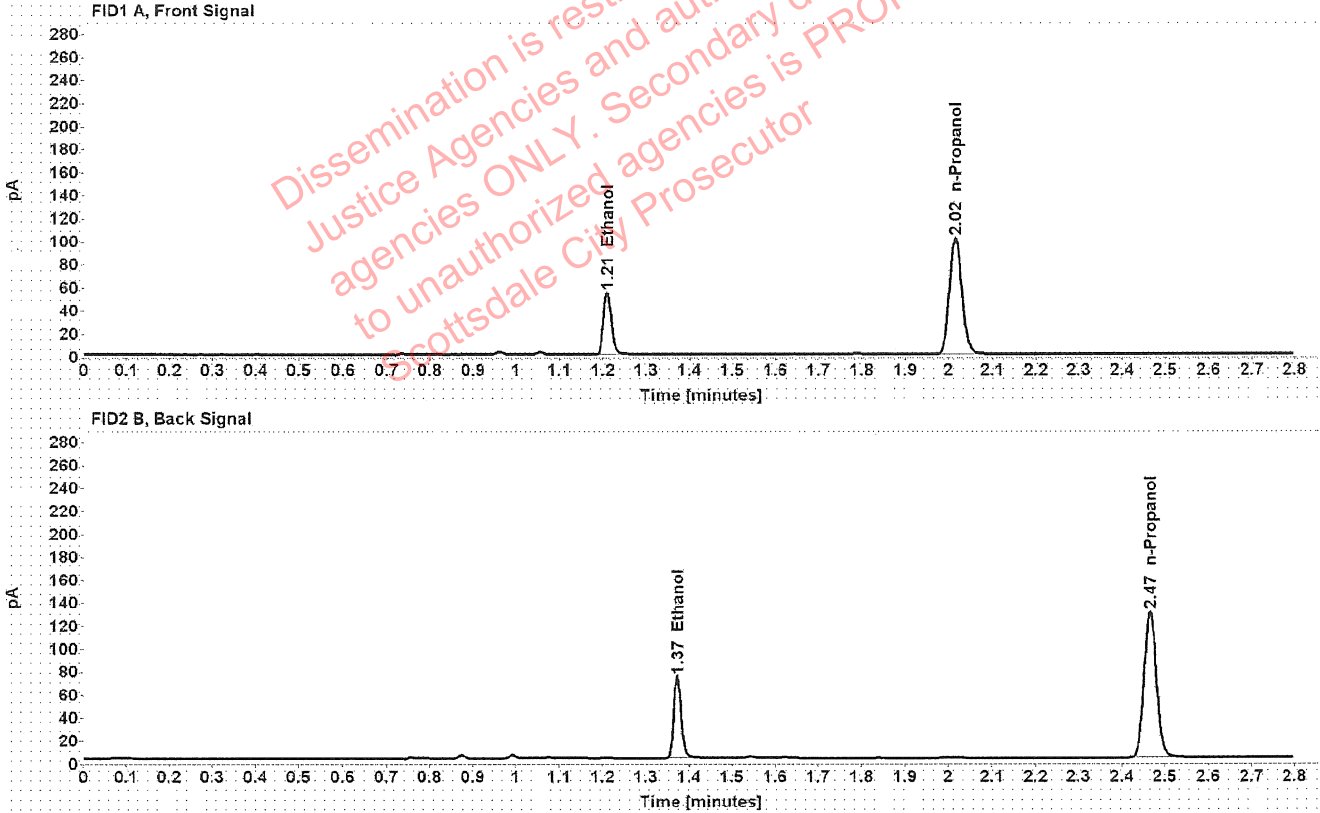


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1101	1.210	68.921
n-Propanol	-----	2.015	200.407

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

Compound	Time (min)	Peak Area
Ethanol	1.373	87.138
n-Propanol	2.465	255.313



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401SJ	Vial:	14
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:34:29 AM
Data file:	C:\Chem32\1\Data\01Mar22\14.D	Analyst:	Canonico

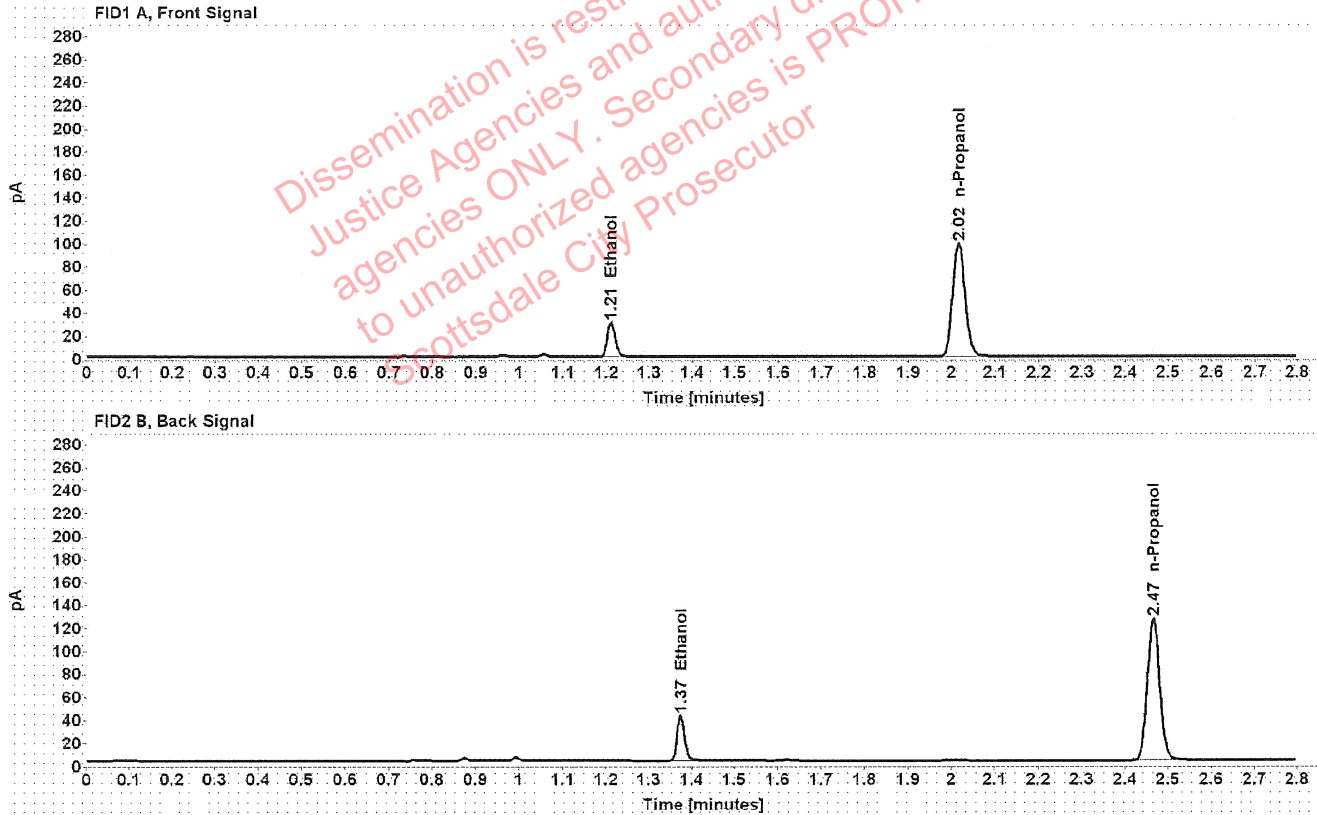


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0631	1.211	38.002
n-Propanol	-----	2.016	194.830

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

Compound	Time (min)	Peak Area
Ethanol	1.374	48.687
n-Propanol	2.466	248.294

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401SJ	Vial:	15
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:38:29 AM
Data file:	C:\Chem32\1\Data\01Mar22\15.D	Analyst:	Canonico

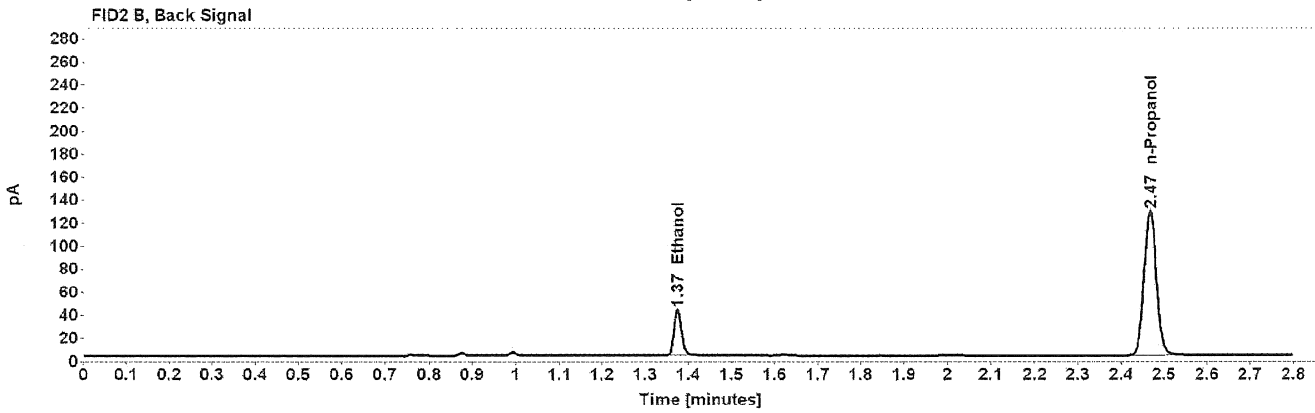
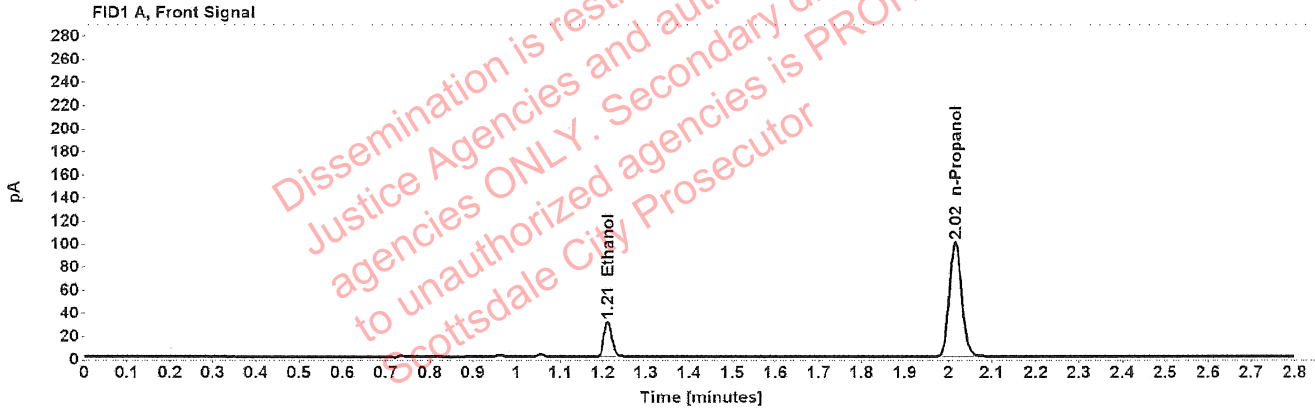


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0636	1.211	38.865
n-Propanol	-----	2.016	197.764

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

Compound	Time (min)	Peak Area
Ethanol	1.375	50.037
n-Propanol	2.467	251.865

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401MB	Vial:	16
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:42:29 AM
Data file:	C:\Chem32\1\Data\01Mar22\16.D	Analyst:	Canonico

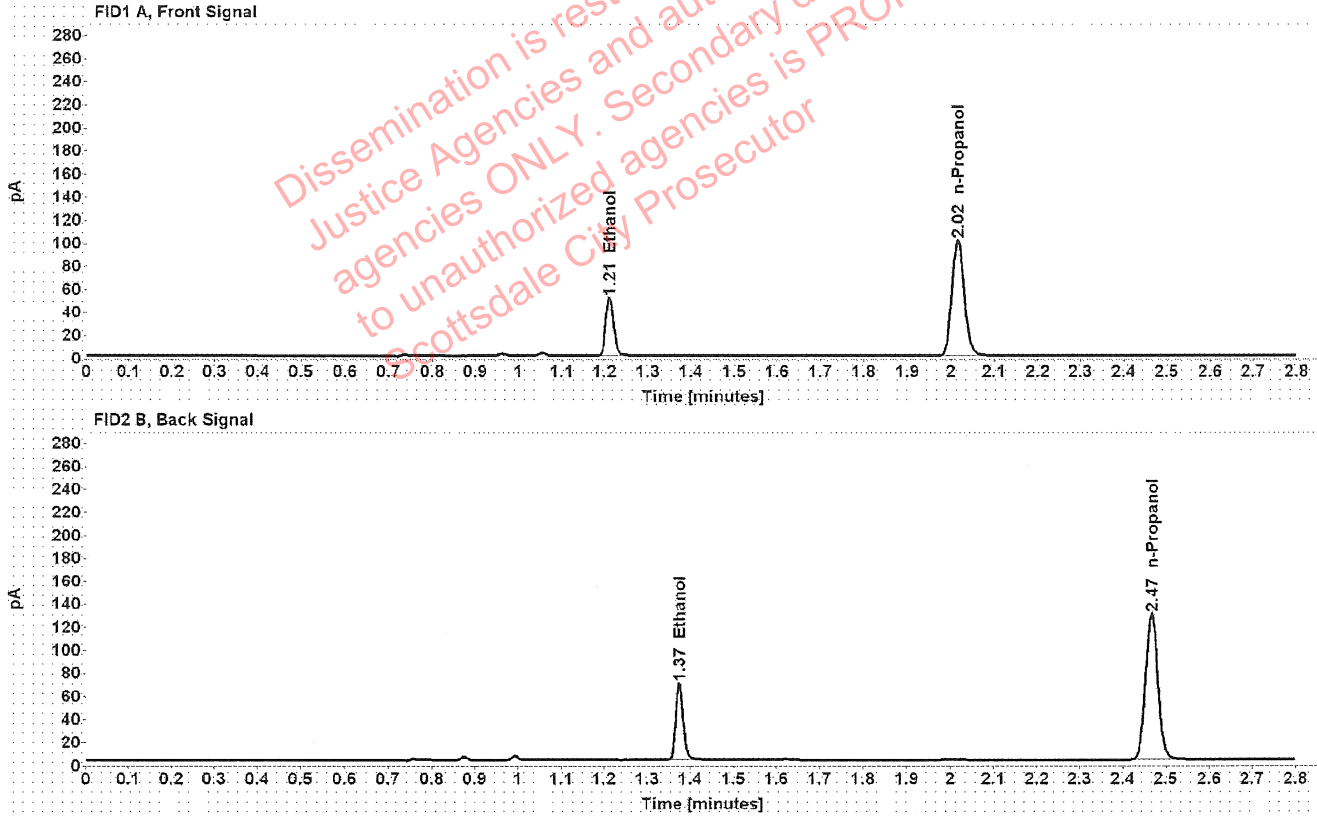


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1031	1.211	64.202
n-Propanol	-----	2.016	199.482

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

Compound	Time (min)	Peak Area
Ethanol	1.374	81.281
n-Propanol	2.467	254.051

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401MB	Vial:	17
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:46:29 AM
Data file:	C:\Chem32\1\Data\01Mar22\17.D	Analyst:	Canonico

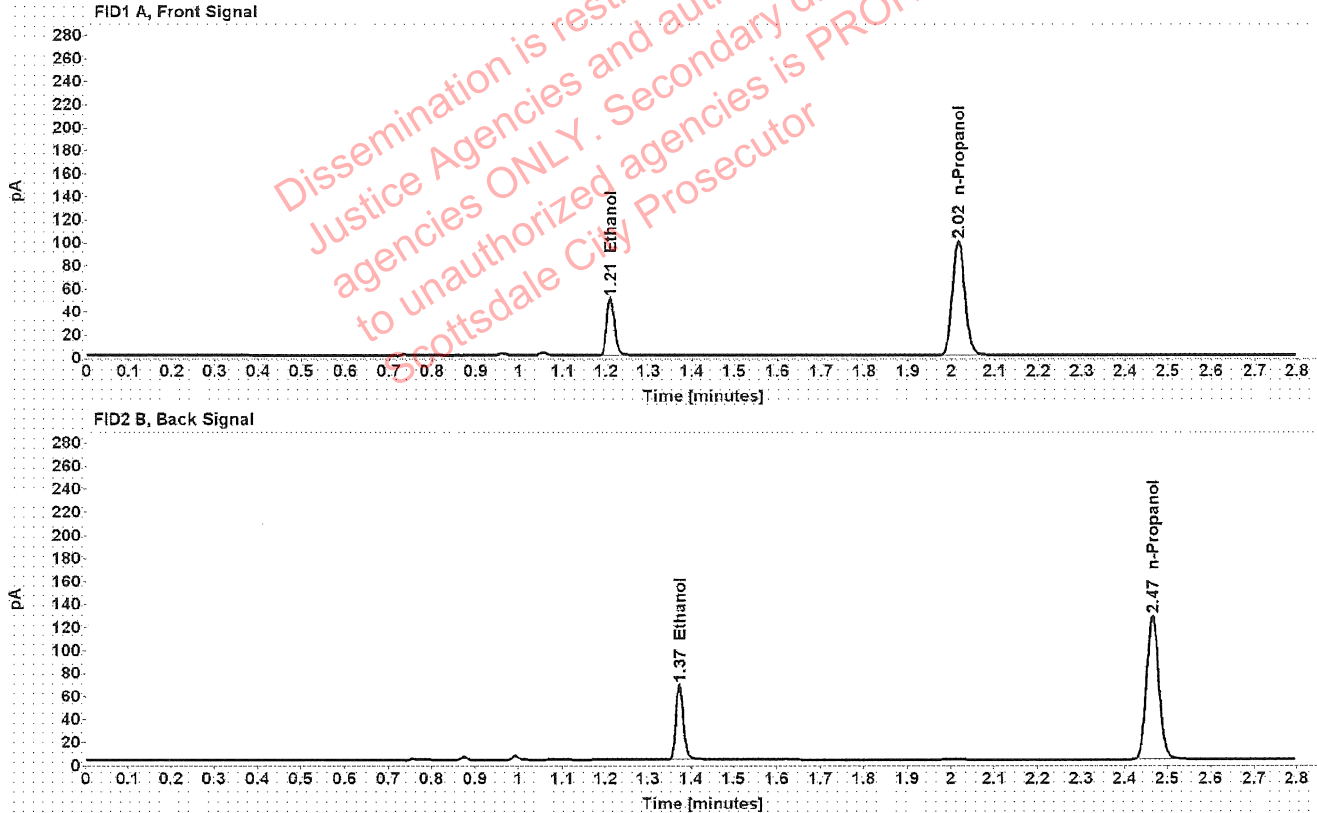


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1025	1.210	63.080
n-Propanol	-----	2.015	197.244

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

Compound	Time (min)	Peak Area
Ethanol	1.373	79.947
n-Propanol	2.465	251.206

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701GG	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:50:29 AM
Data file:	C:\Chem32\1\Data\01Mar22\18.D	Analyst:	Canonico

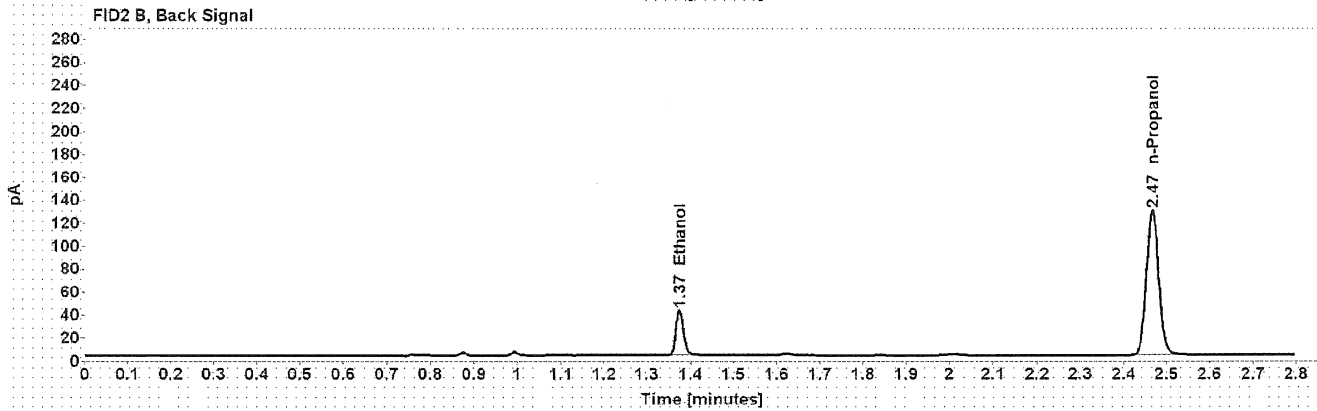
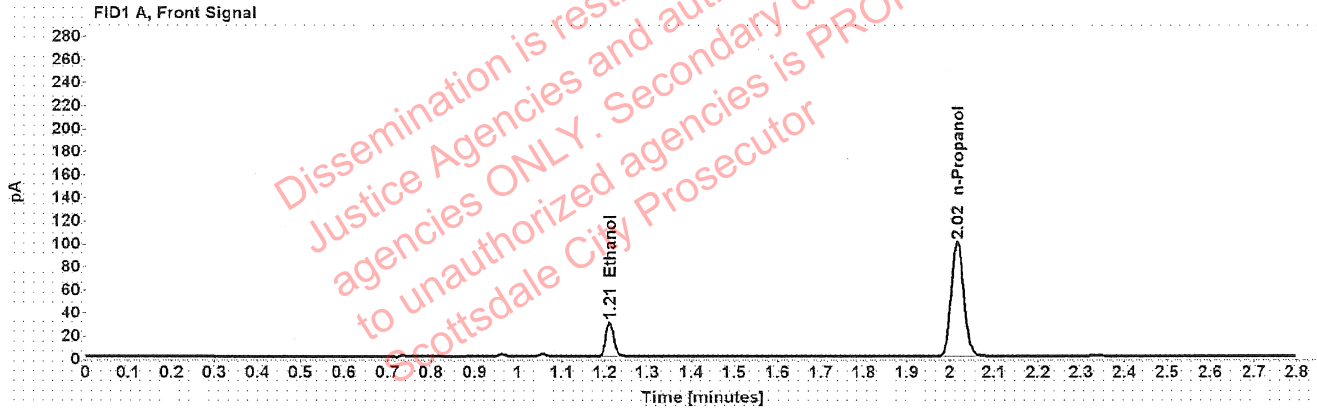


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0617	1.211	37.820
n-Propanol	-----	2.016	198.255

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

Compound	Time (min)	Peak Area
Ethanol	1.375	48.496
n-Propanol	2.467	253.277

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701GG	Vial:	19
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 11:54:44 AM
Data file:	C:\Chem32\1\Data\01Mar22\19.D	Analyst:	Canonico

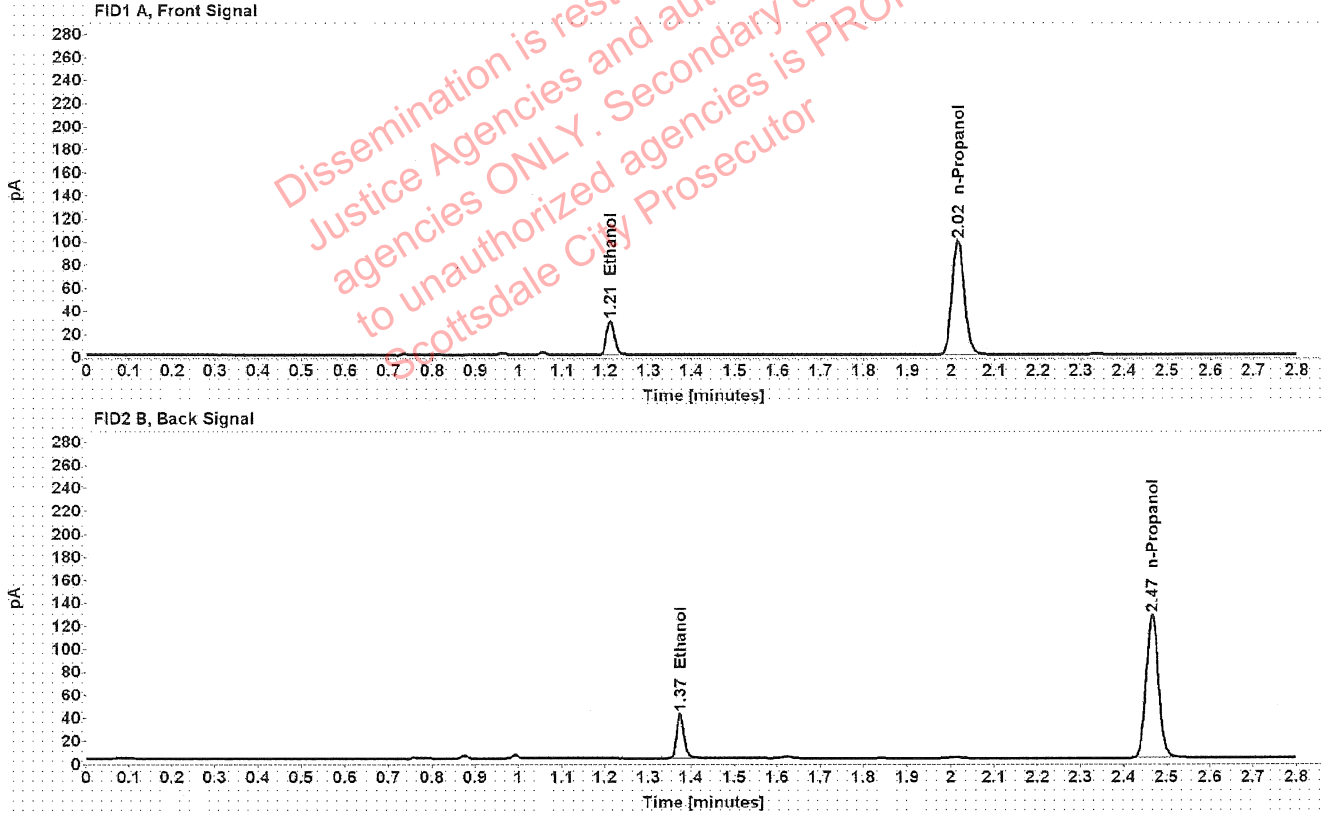


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0617	1.211	37.442
n-Propanol	-----	2.016	196.274

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

Compound	Time (min)	Peak Area
Ethanol	1.374	48.042
n-Propanol	2.466	250.591

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701NH	Vial:	21
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:02:45 PM
Data file:	C:\Chem32\1\Data\01Mar22\21.D	Analyst:	Canonico

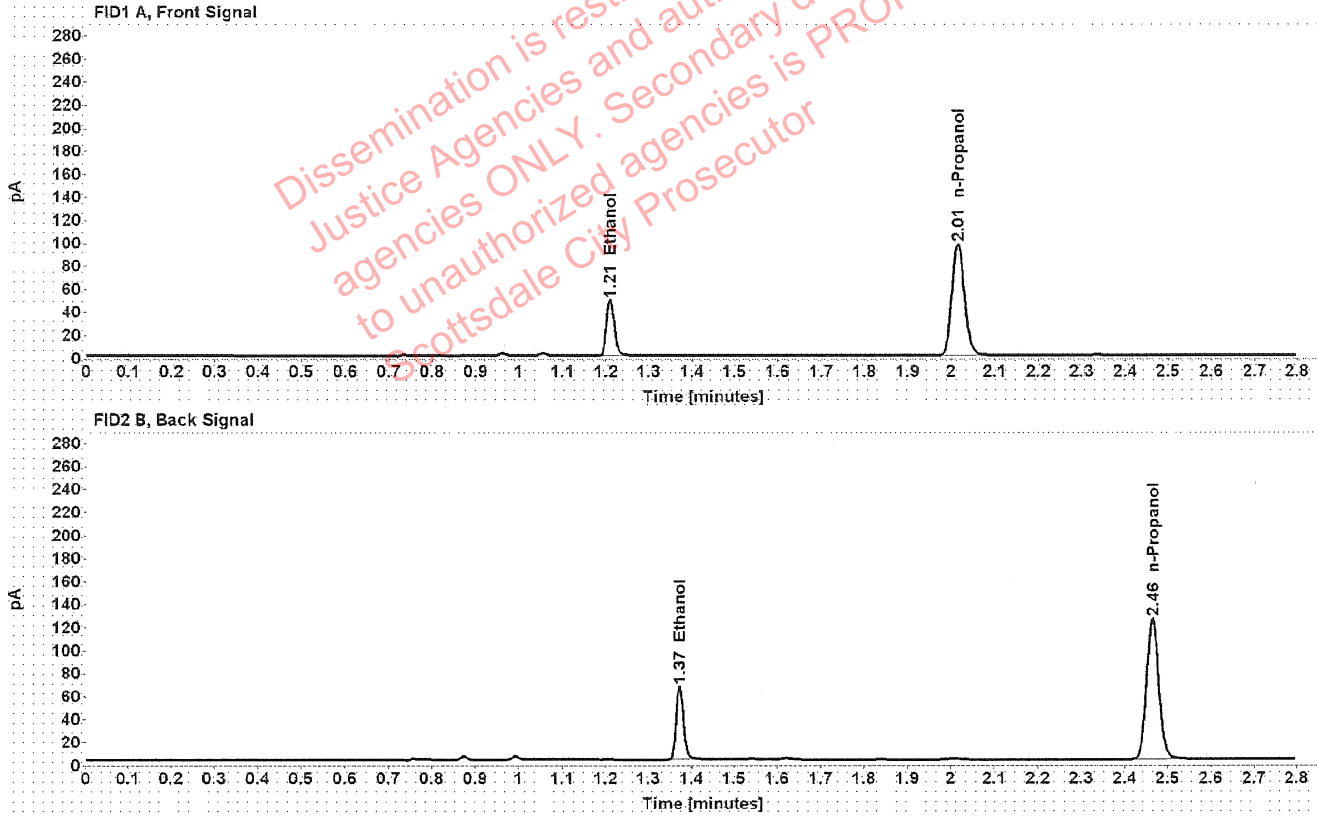


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1023	1.210	61.605
n-Propanol	-----	2.015	192.985

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

Compound	Time (min)	Peak Area
Ethanol	1.372	77.886
n-Propanol	2.465	246.278



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701NH	Vial:	22
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:06:44 PM
Data file:	C:\Chem32\1\Data\01Mar22\22.D	Analyst:	Canonico

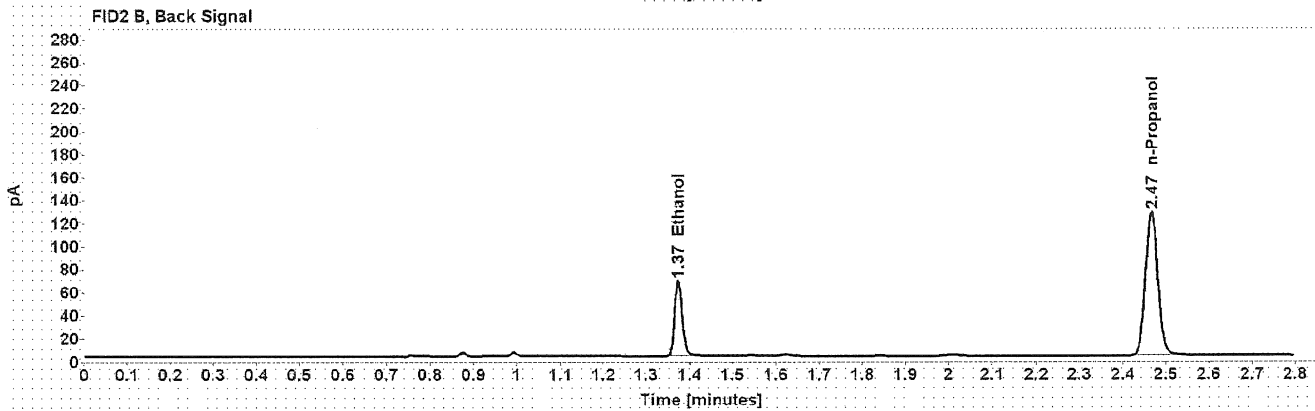
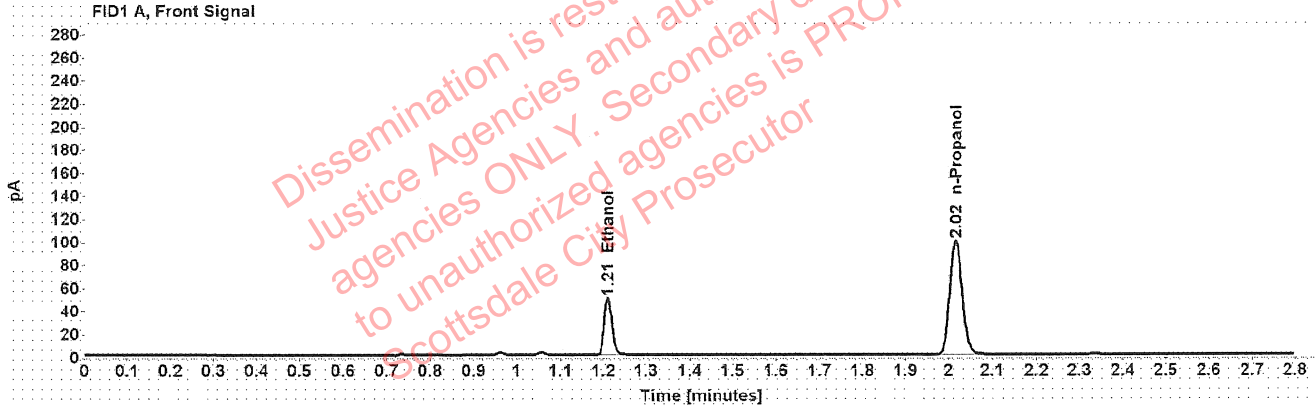


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1026	1.211	62.894
n-Propanol	-----	2.016	196.375

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

Compound	Time (min)	Peak Area
Ethanol	1.374	79.611
n-Propanol	2.466	250.622

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20901AH	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:10:44 PM
Data file:	C:\Chem32\1\Data\01Mar22\23.D	Analyst:	Canonico

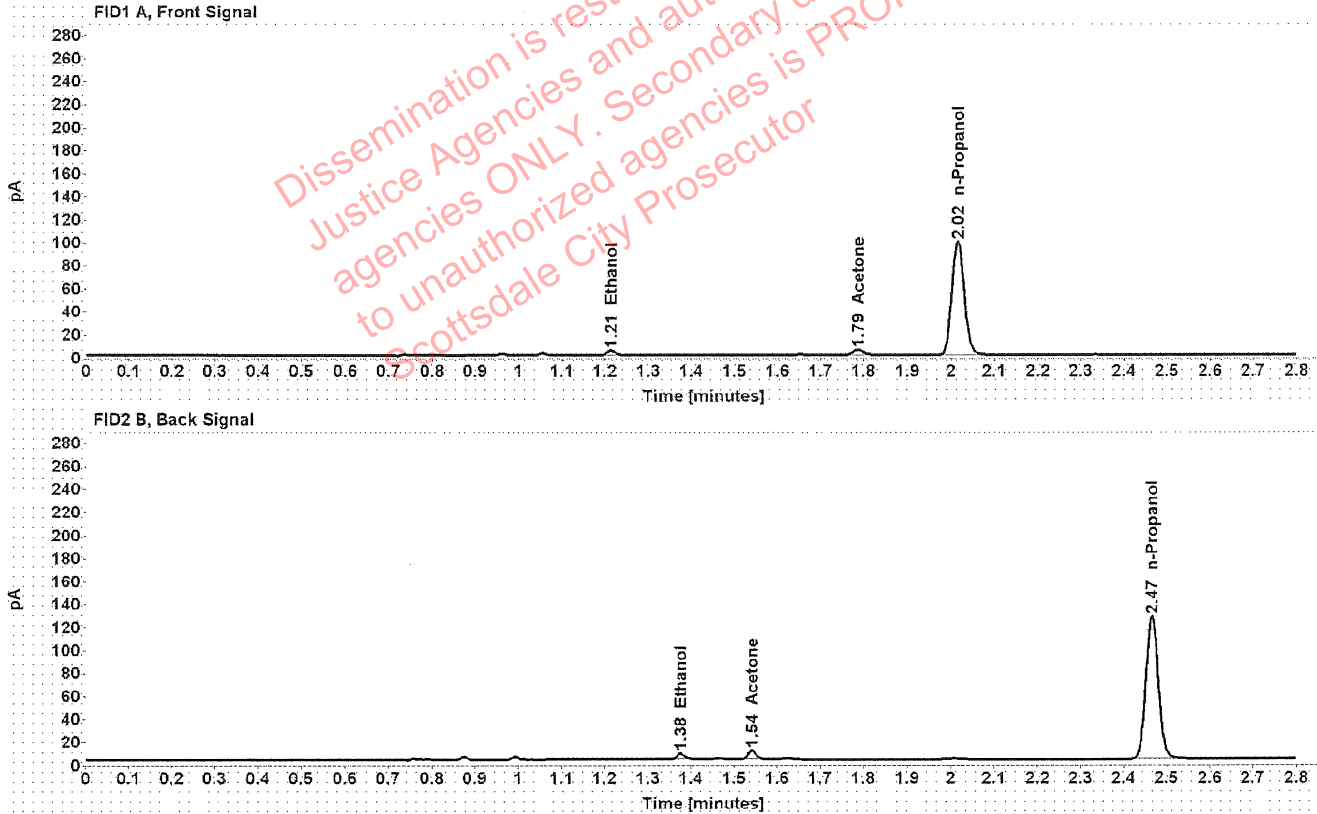


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0097	1.214	5.123
Acetone	-----	1.786	8.121
n-Propanol	-----	2.016	196.363

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

Compound	Time (min)	Peak Area
Ethanol	1.376	6.765
Acetone	1.541	10.295
n-Propanol	2.466	250.585

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20901AH	Vial:	24
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:14:45 PM
Data file:	C:\Chem32\1\Data\01Mar22\24.D	Analyst:	Canonico

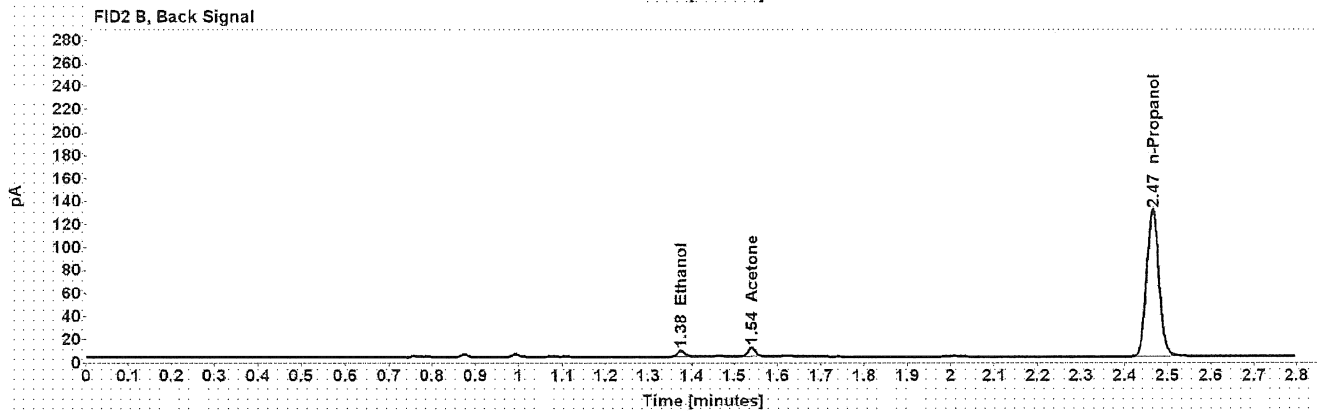


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0096	1.213	5.146
Acetone	-----	1.786	8.303
n-Propanol	-----	2.015	200.640

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

Compound	Time (min)	Peak Area
Ethanol	1.375	6.691
Acetone	1.541	11.138
n-Propanol	2.465	256.331

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401MA	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:18:59 PM
Data file:	C:\Chem32\1\Data\01Mar22\25.D	Analyst:	Canonico

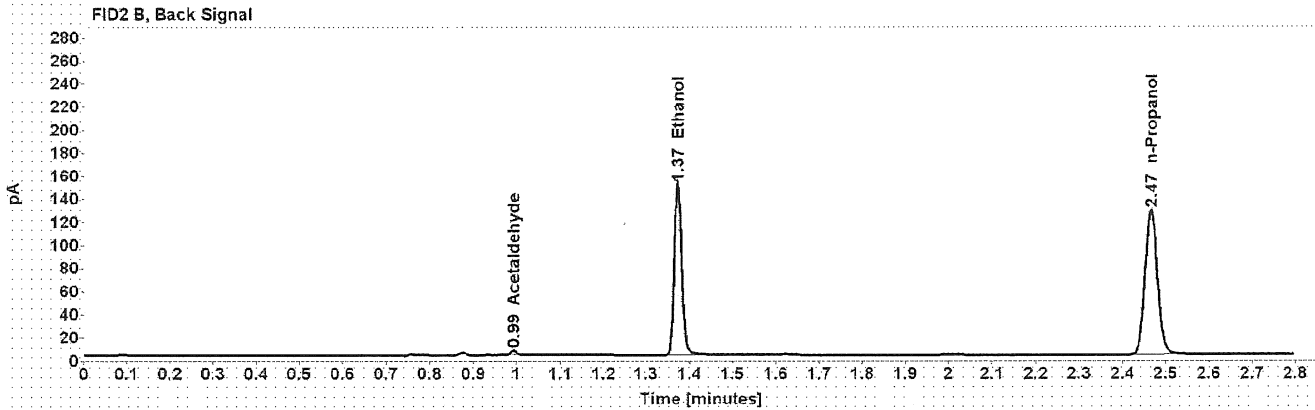
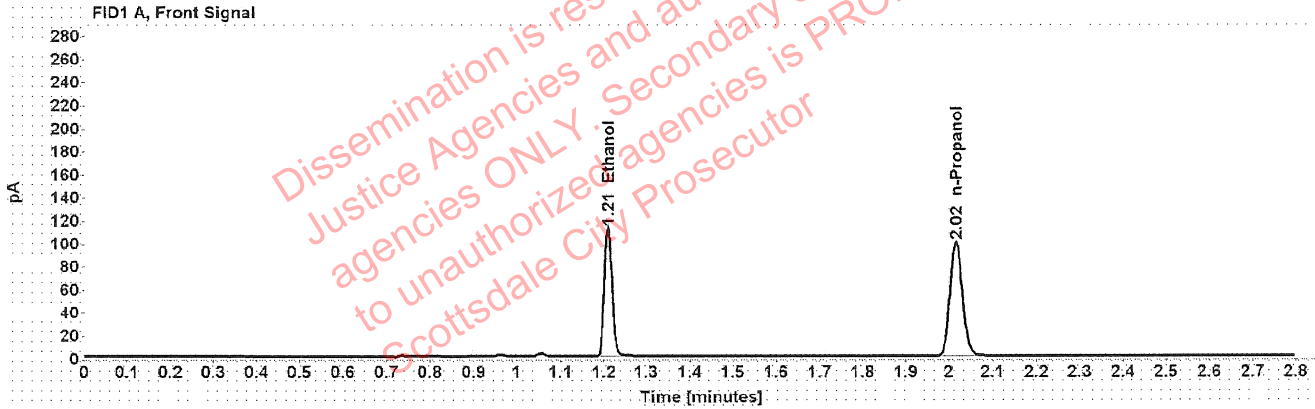


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2290	1.210	142.138
n-Propanol	-----	2.016	197.312

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.839
Ethanol	1.373	182.007
n-Propanol	2.466	250.962

[REDACTED]: Canonico, Erika - (01-Mar-2022)

Case: [REDACTED] User: ecanonico 3/1/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39401MA	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:22:59 PM
Data file:	C:\Chem32\1\Data\01Mar22\26.D	Analyst:	Canonico

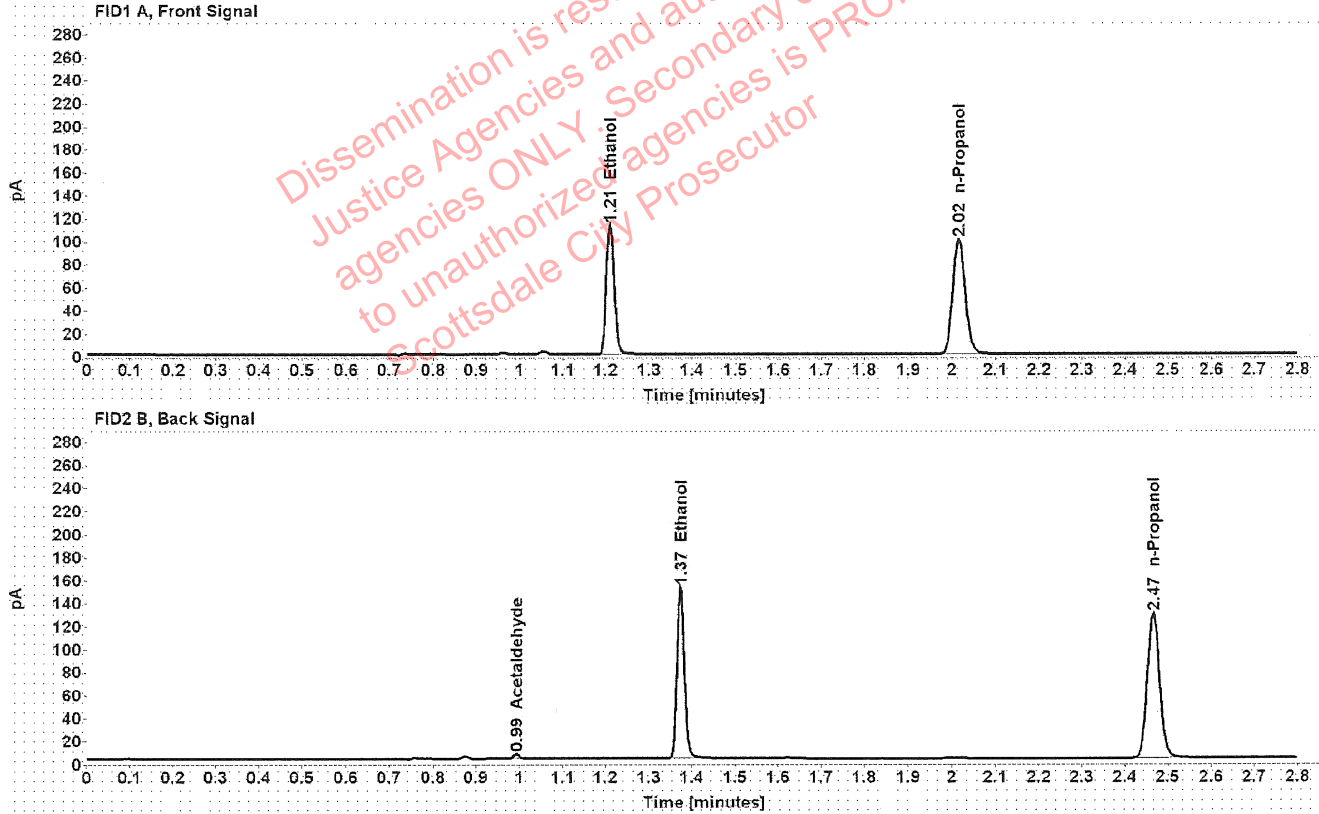


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2283	1.210	142.711
n-Propanol	-----	2.016	198.742

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.849
Ethanol	1.373	181.303
n-Propanol	2.466	253.089

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 16901KT	Vial: 27
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 01Mar22
Instrument: US14173023 CN14160045	Injection date: 3/1/2022 12:26:59 PM
Data file: C:\Chem32\1\Data\01Mar22\27.D	Analyst: Canonico

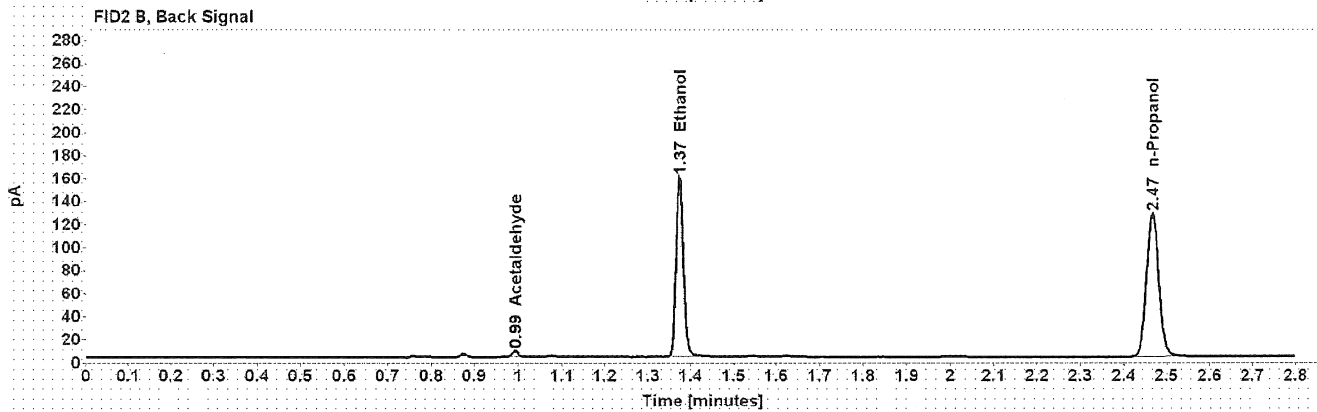
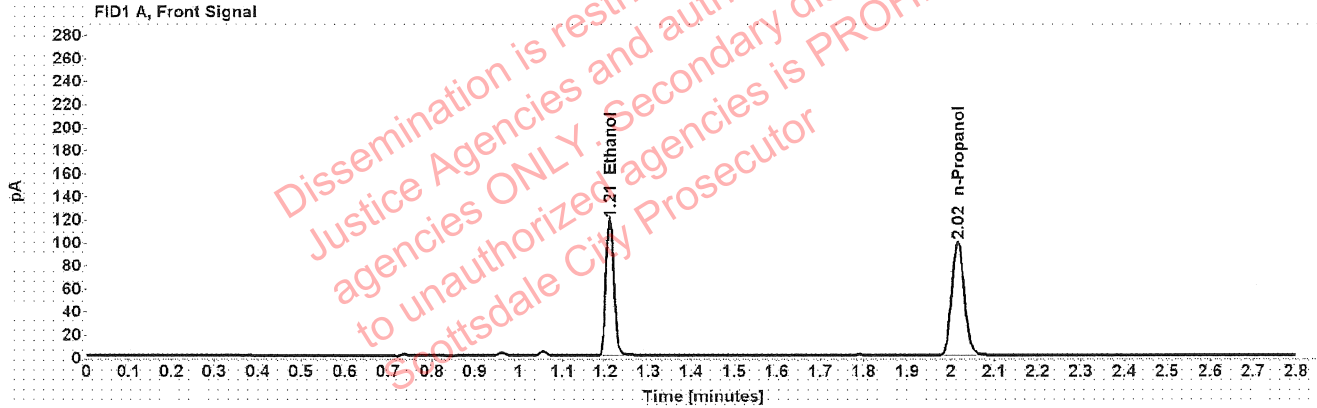


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2427	1.210	149.823
n-Propanol	-----	2.016	196.131

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.946
Ethanol	1.374	192.380
n-Propanol	2.467	249.703

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	16901KT	Vial:	28
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:30:59 PM
Data file:	C:\Chem32\1\Data\01Mar22\28.D	Analyst:	Canonico

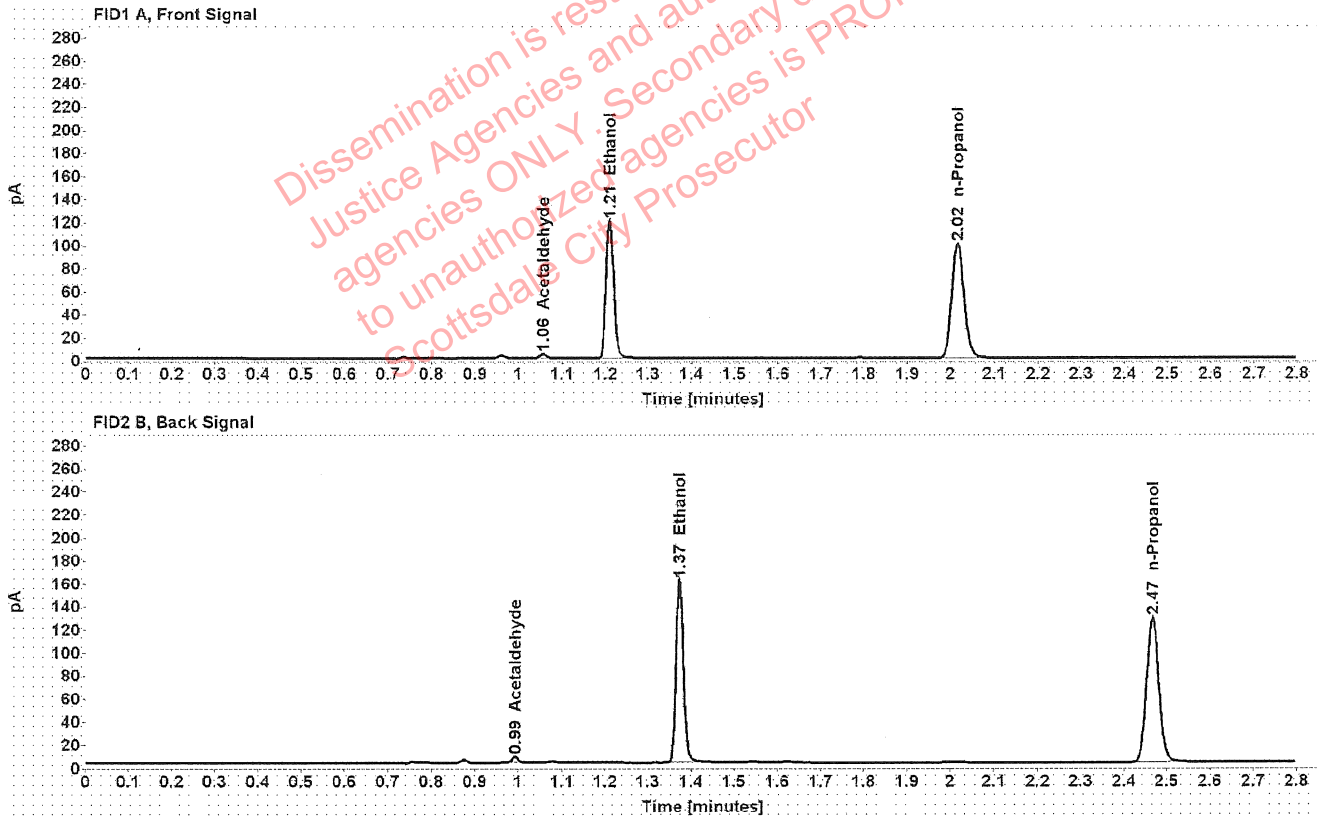


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.766
>Ethanol	0.2433	1.210	151.618
n-Propanol	-----	2.016	198.020

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.007
Ethanol	1.374	192.913
n-Propanol	2.467	252.209



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409701	Vial:	29
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:34:59 PM
Data file:	C:\Chem32\1\Data\01Mar22\29.D	Analyst:	Canonico

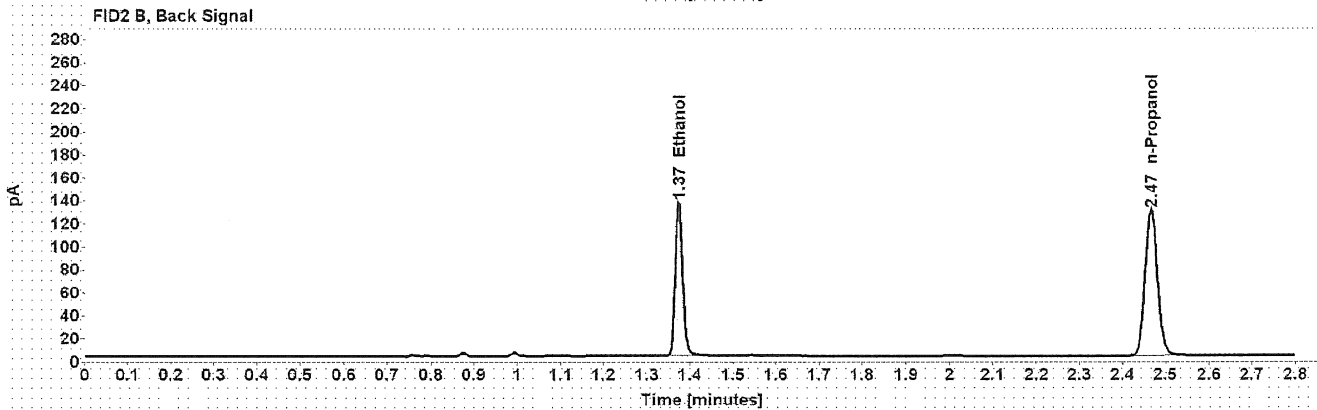
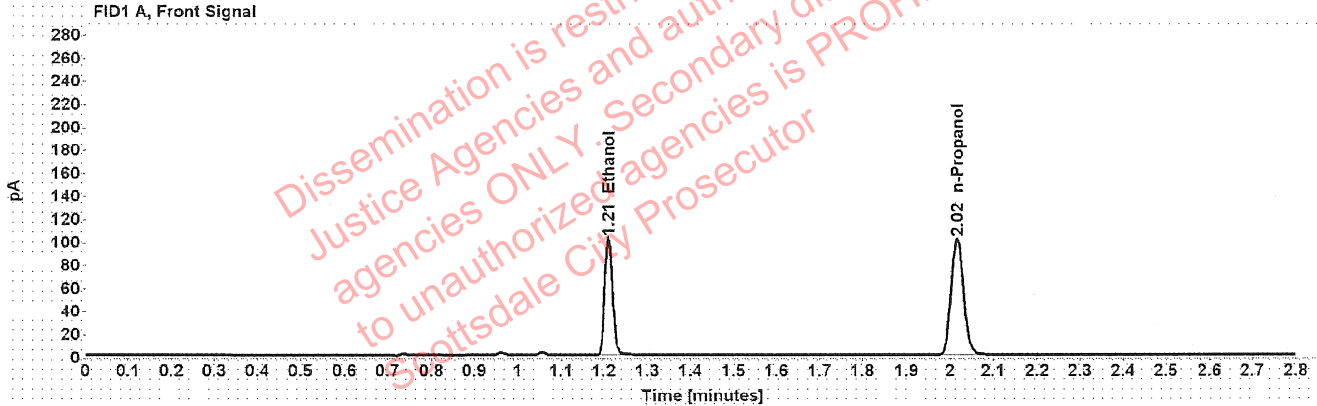


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2038	1.210	128.553
n-Propanol	-----	2.016	200.666

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

Compound	Time (min)	Peak Area
Ethanol	1.374	163.666
n-Propanol	2.467	255.025

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409701	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:38:59 PM
Data file:	C:\Chem32\1\Data\01Mar22\30.D	Analyst:	Canonico

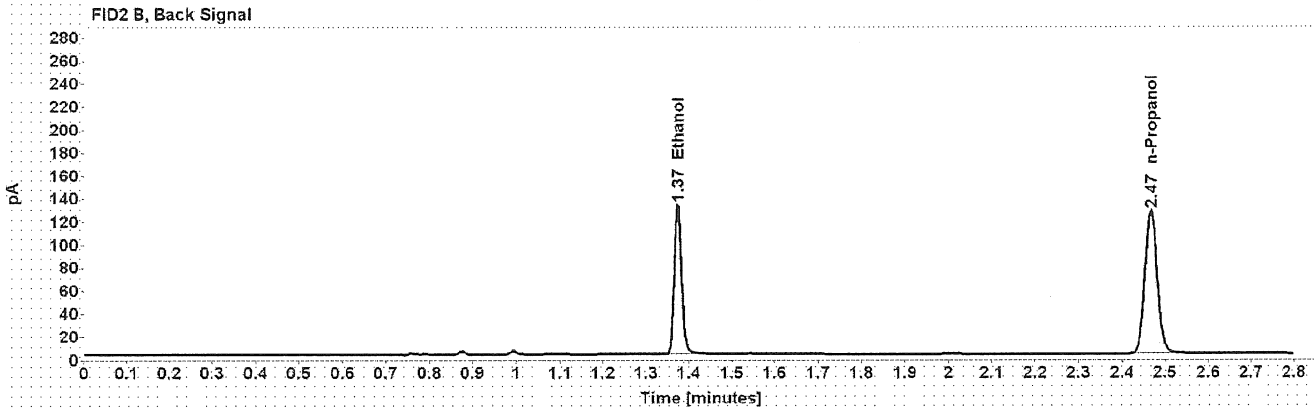
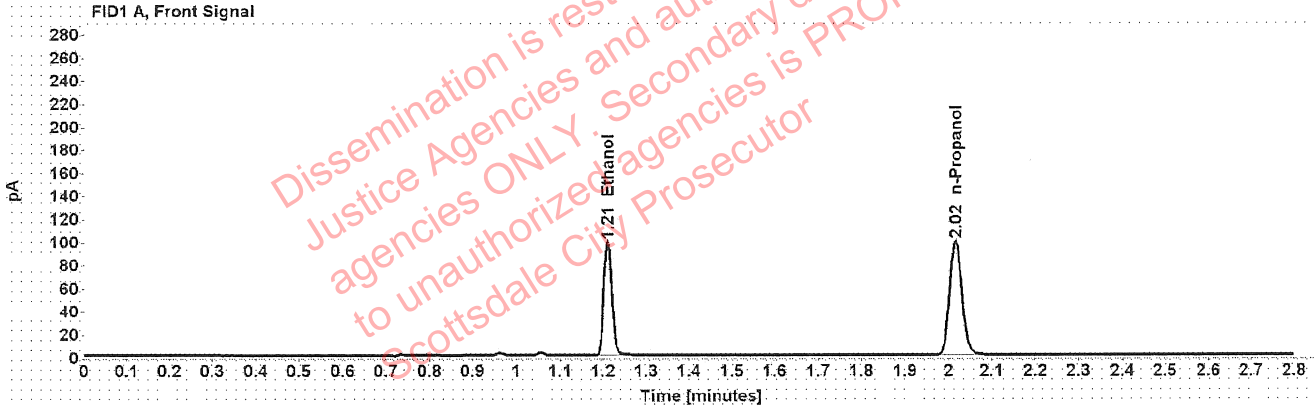


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2025	1.210	124.627
n-Propanol	-----	2.016	195.832

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.002
n-Propanol	2.467	248.800

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409972	Vial:	32
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:47:14 PM
Data file:	C:\Chem32\1\Data\01Mar22\32.D	Analyst:	Canonico

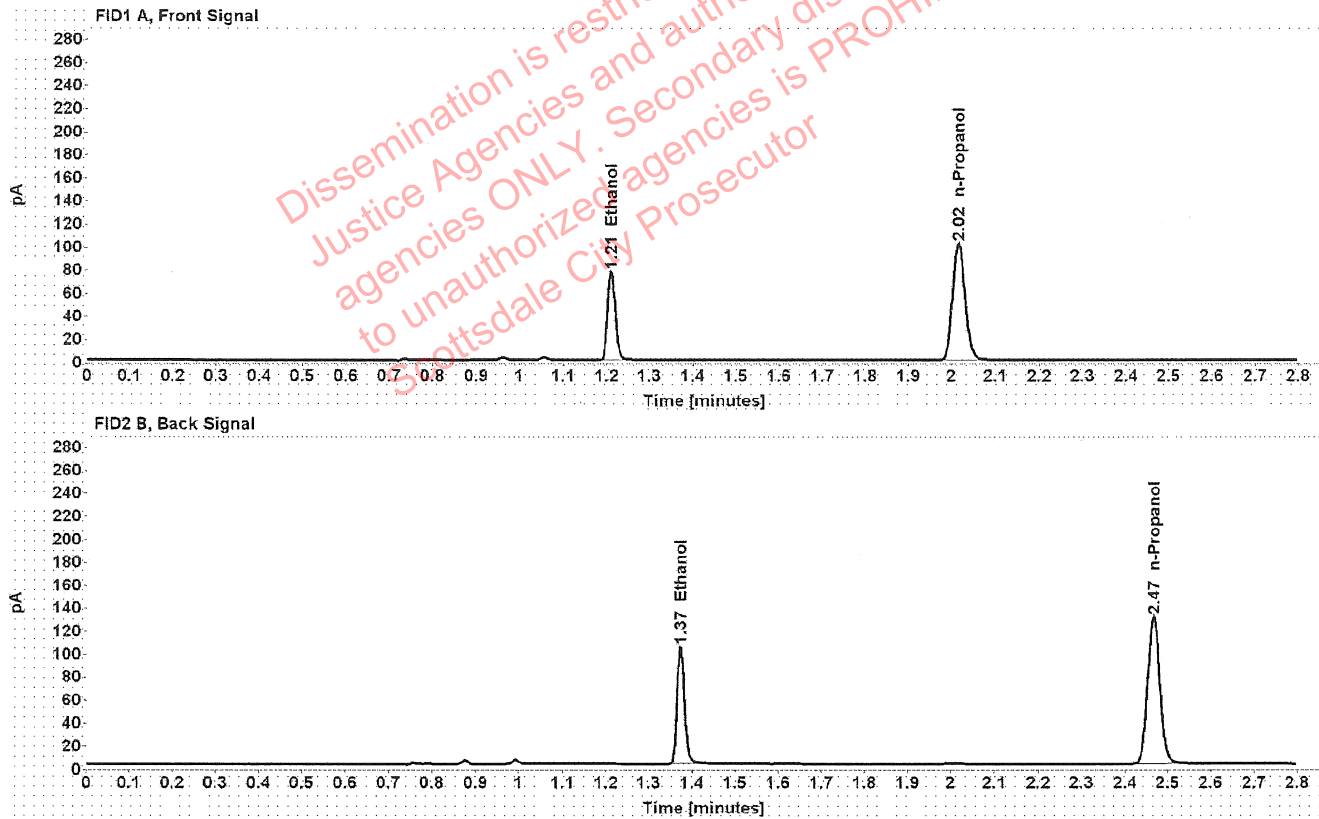


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1550	1.210	97.936
n-Propanol	-----	2.016	201.500

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

Compound	Time (min)	Peak Area
Ethanol	1.374	124.379
n-Propanol	2.467	256.173

██████████: Canonico, Erika - (01-Mar-2022)

Case: ██████████ User: ecanonico 3/1/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409972	Vial:	33
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:51:15 PM
Data file:	C:\Chem32\1\Data\01Mar22\33.D	Analyst:	Canonico

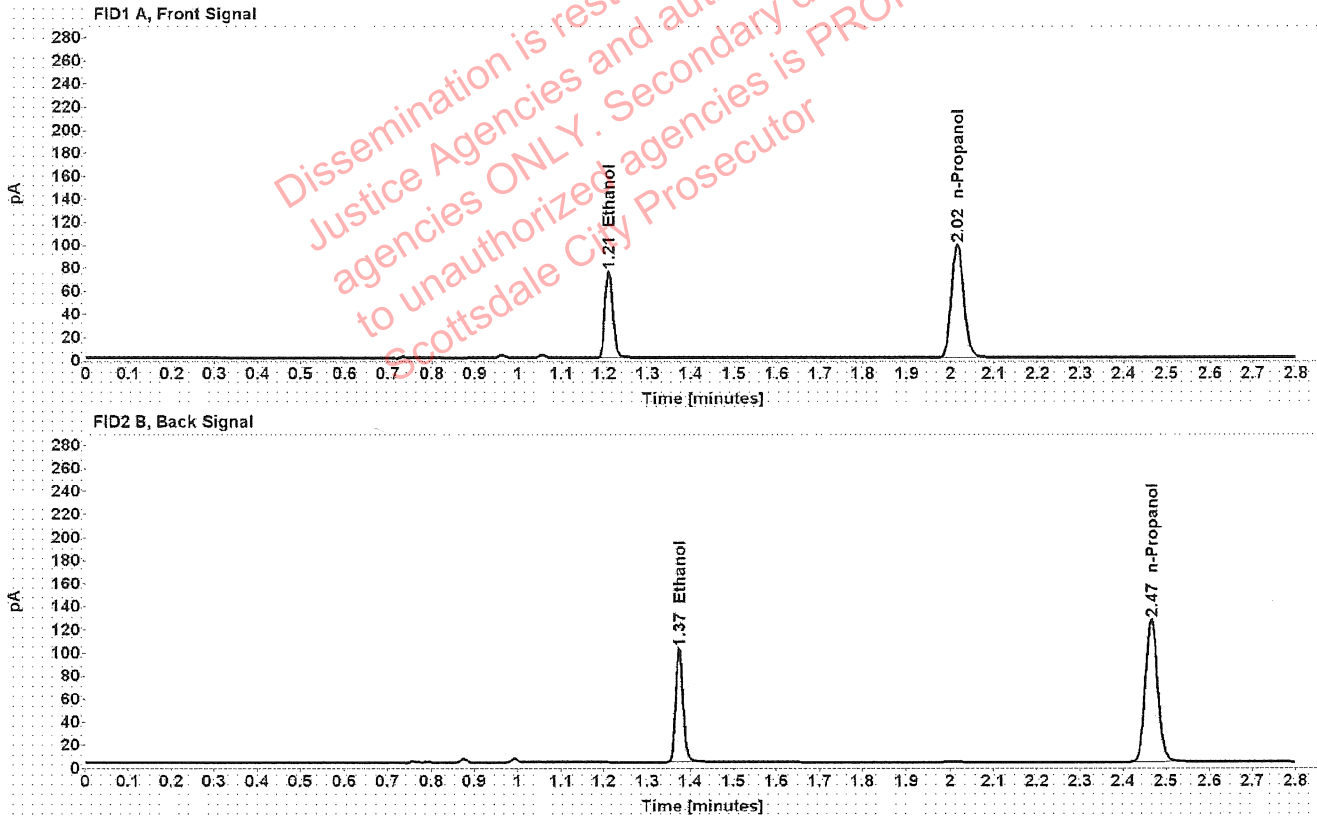


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1547	1.210	94.823
n-Propanol	-----	2.016	195.411

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

Compound	Time (min)	Peak Area
Ethanol	1.374	120.402
n-Propanol	2.466	248.558

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1401927	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:55:14 PM
Data file:	C:\Chem32\1\Data\01Mar22\34.D	Analyst:	Canonico

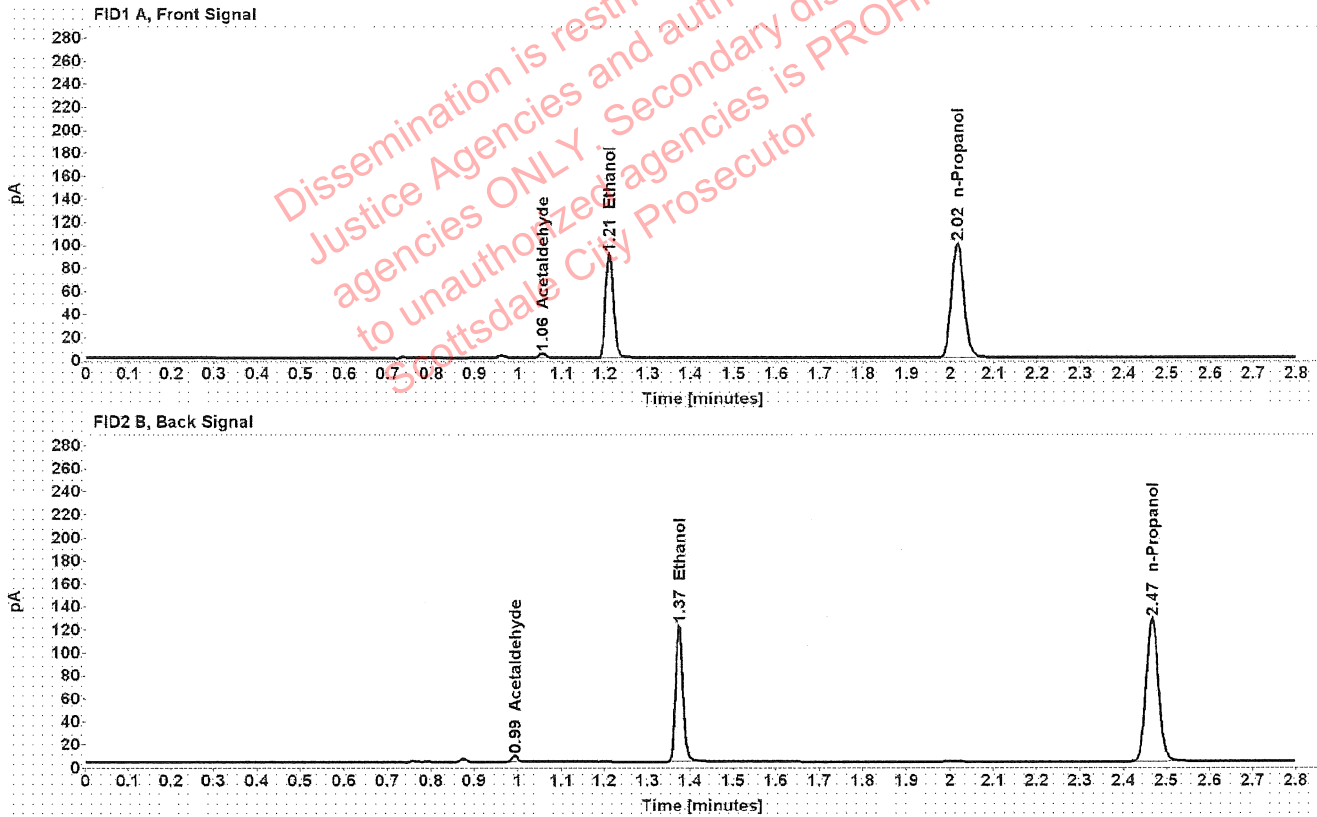


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.996
>Ethanol	0.1851	1.210	114.529
n-Propanol	-----	2.016	197.007

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.282
Ethanol	1.374	145.521
n-Propanol	2.467	250.782

Case: [REDACTED] : Canonico, Erika - (01-Mar-2022)

User: econonico 3/1/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1401927	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 12:59:13 PM
Data file:	C:\Chem32\1\Data\01Mar22\35.D	Analyst:	Canonico

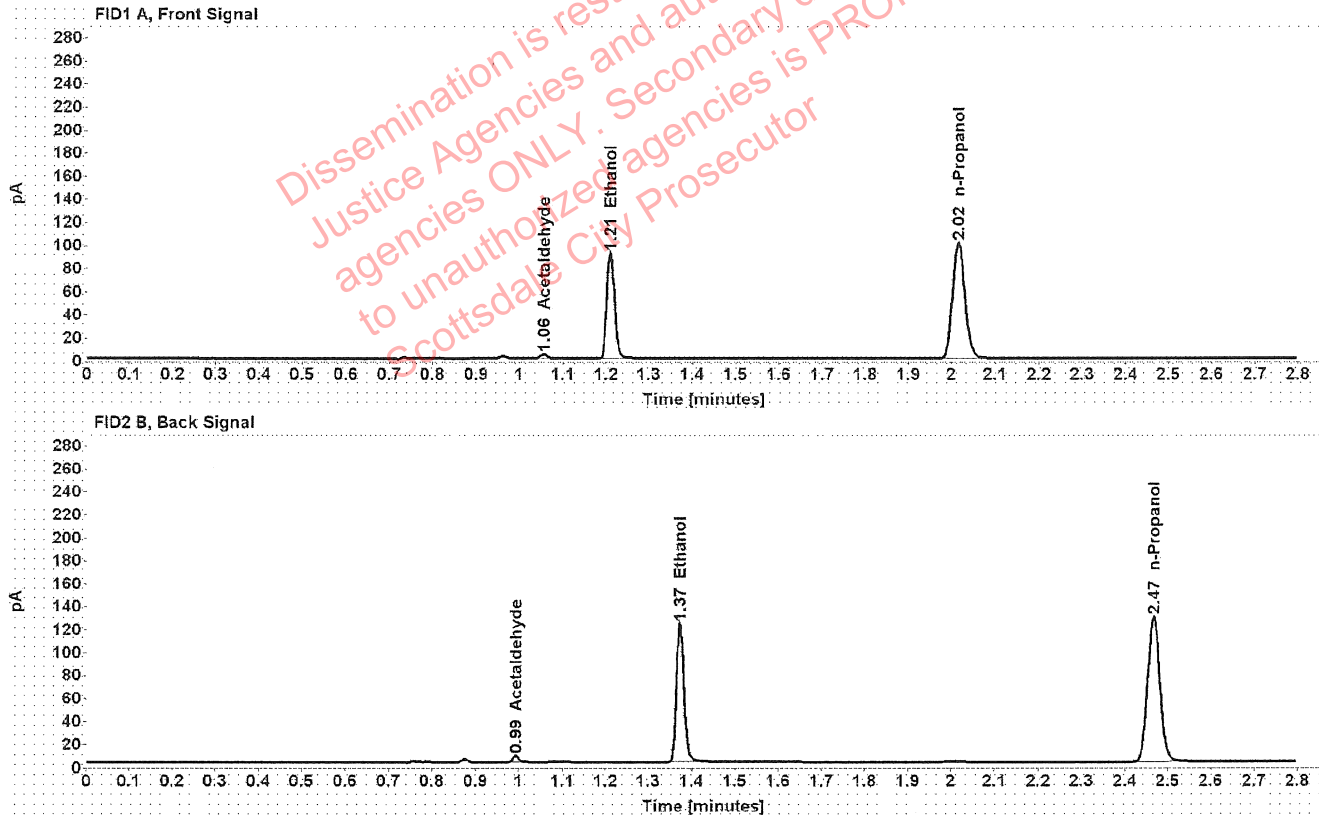


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.042
>Ethanol	0.1856	1.210	115.956
n-Propanol	-----	2.016	198.925

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.305
Ethanol	1.374	147.571
n-Propanol	2.467	253.293

[REDACTED]: Canonico, Erika - (01-Mar-2022)

Case: [REDACTED] User: ecanonico 3/1/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409694	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:03:13 PM
Data file:	C:\Chem32\1\Data\01Mar22\36.D	Analyst:	Canonico

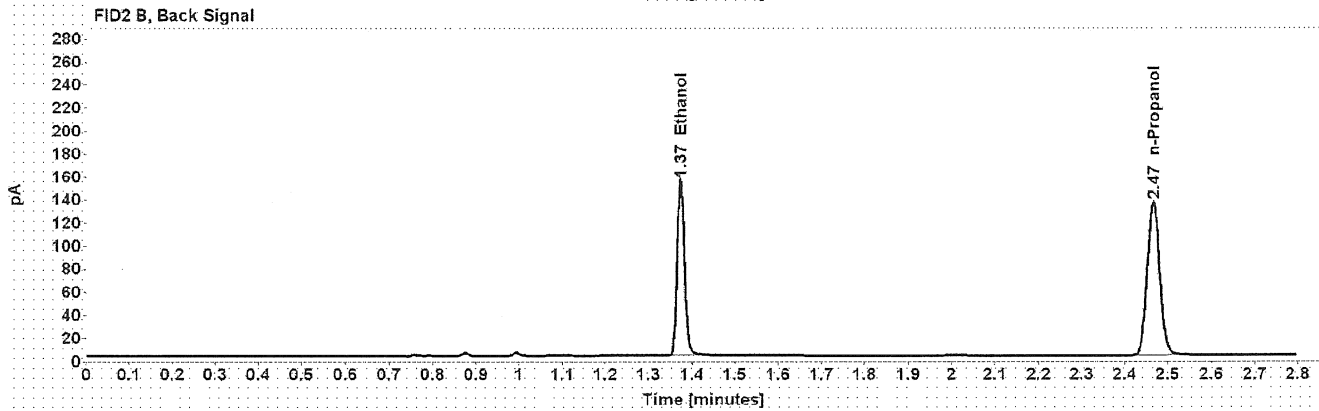
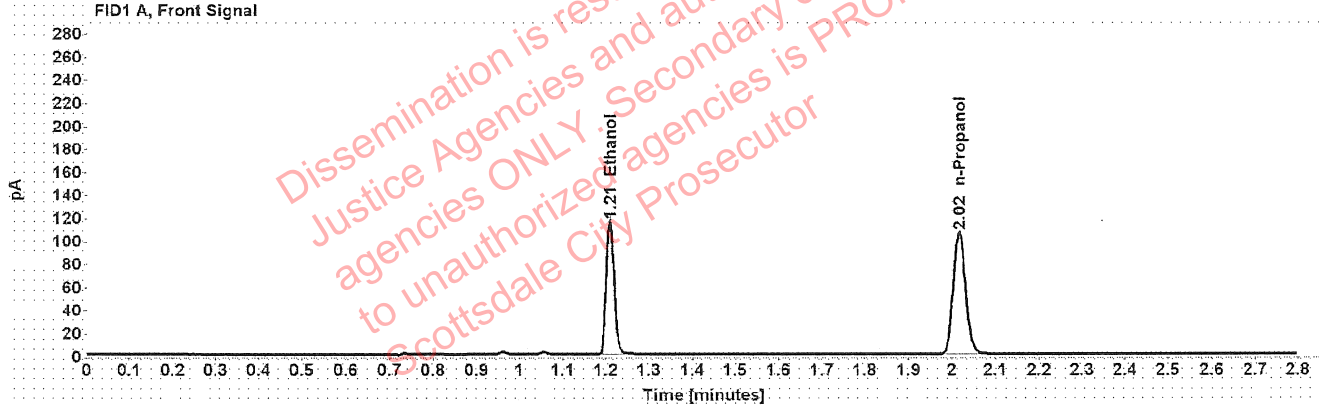


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2218	1.210	146.030
n-Propanol	-----	2.016	209.335

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

Compound	Time (min)	Peak Area
Ethanol	1.374	187.325
n-Propanol	2.467	266.244



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1409694	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:07:29 PM
Data file:	C:\Chem32\1\Data\01Mar22\37.D	Analyst:	Canonico

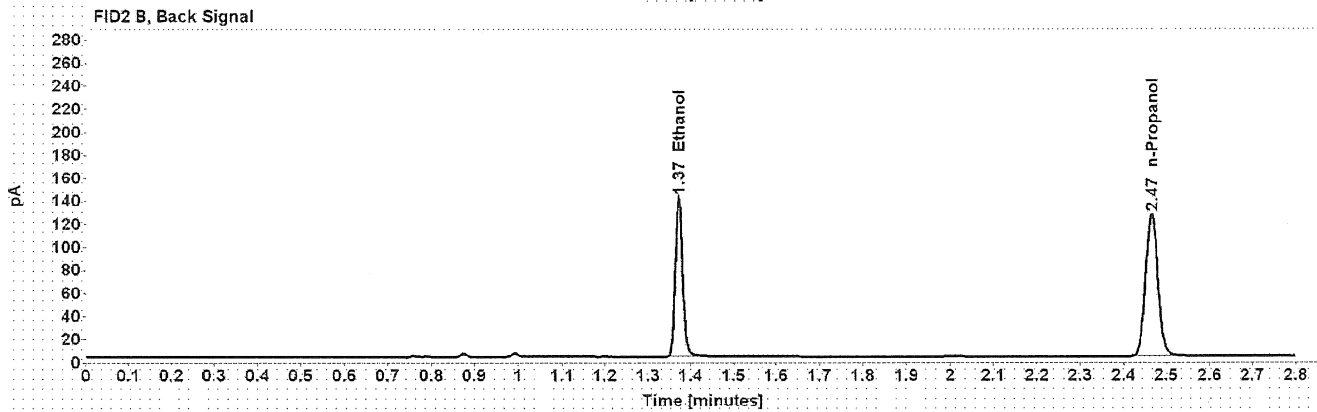
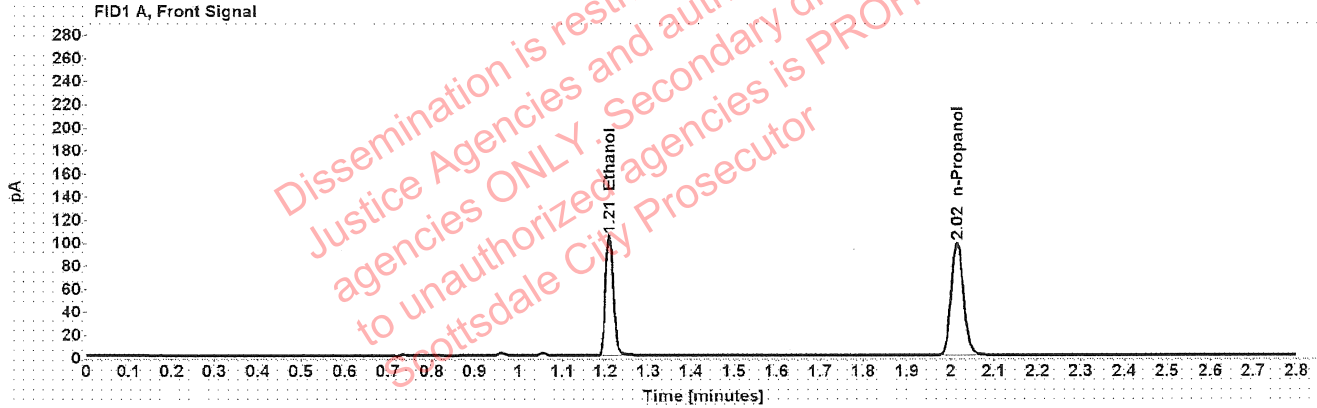


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2167	1.209	133.016
n-Propanol	-----	2.015	195.215

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

Compound	Time (min)	Peak Area
Ethanol	1.372	169.400
n-Propanol	2.465	248.142

Case: User: ecanonico 3/1/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408888	Vial:	38
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:11:29 PM
Data file:	C:\Chem32\1\Data\01Mar22\38.D	Analyst:	Canonico

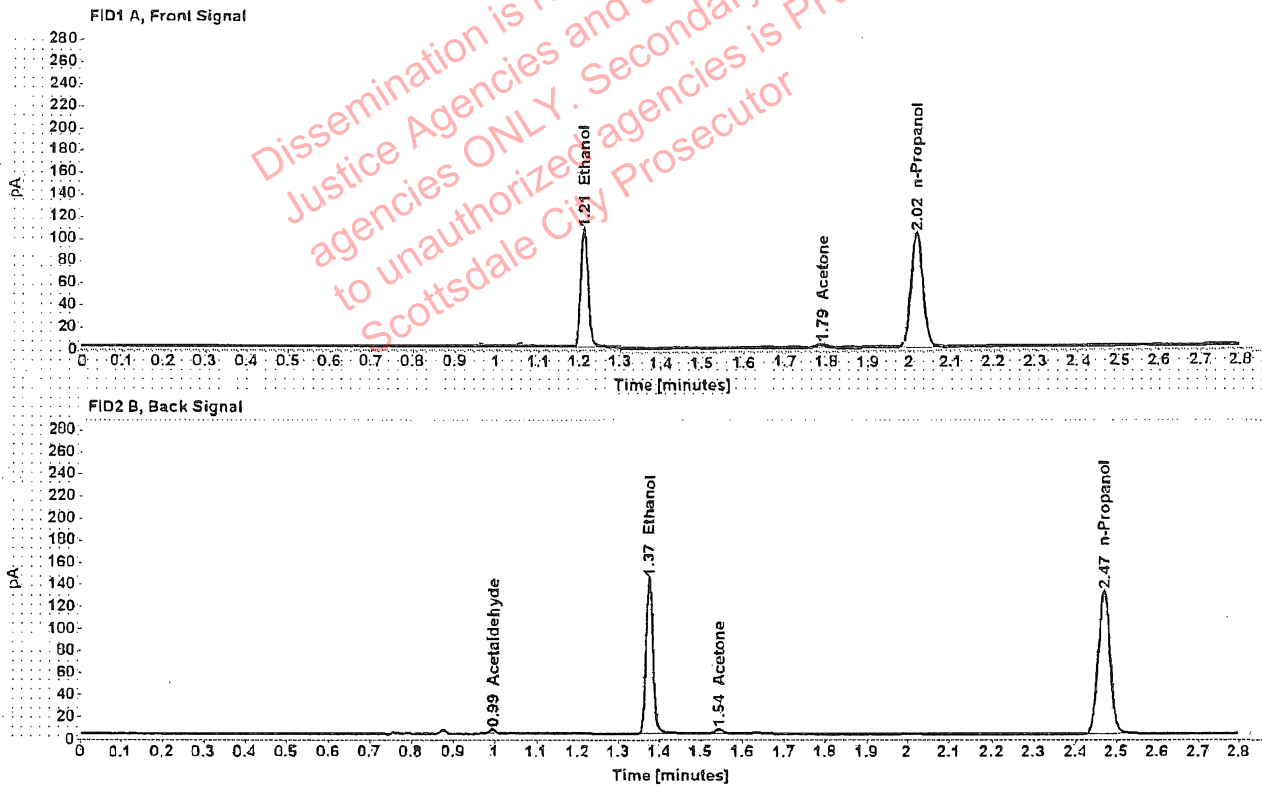


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2097	1.210	135.261
Acetone	-----	1.788	4.392
n-Propanol	-----	2.016	205.184

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.995
Ethanol	1.374	173.742
Acetone	1.542	6.029
n-Propanol	2.467	260.897

Case: ██████████ User: ecanonico 3/1/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1408888	Vial:	39
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:15:28 PM
Data file:	C:\Chem32\1\Data\01Mar22\39.D	Analyst:	Canonico

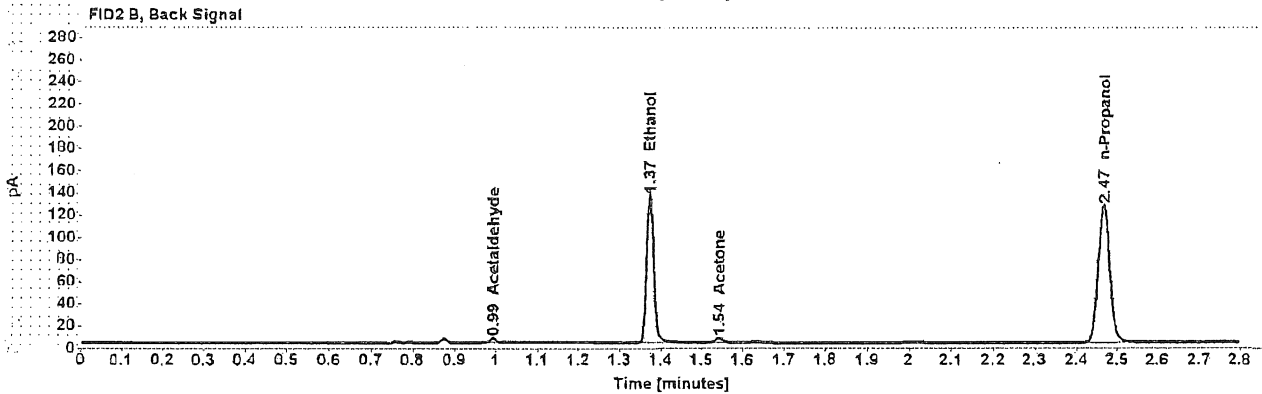
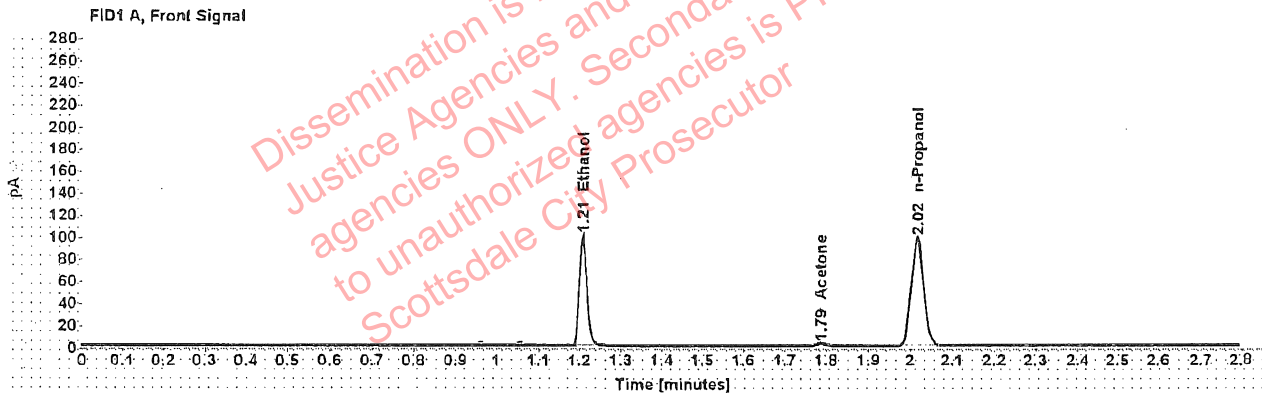


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2073	1.210	127.898
Acetone	-----	1.788	4.283
n-Propanol	-----	2.016	196.256

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.007
Ethanol	1.373	162.637
Acetone	1.542	5.396
n-Propanol	2.466	249.582

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407727	Vial:	40
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:19:29 PM
Data file:	C:\Chem32\1\Data\01Mar22\40.D	Analyst:	Canonico

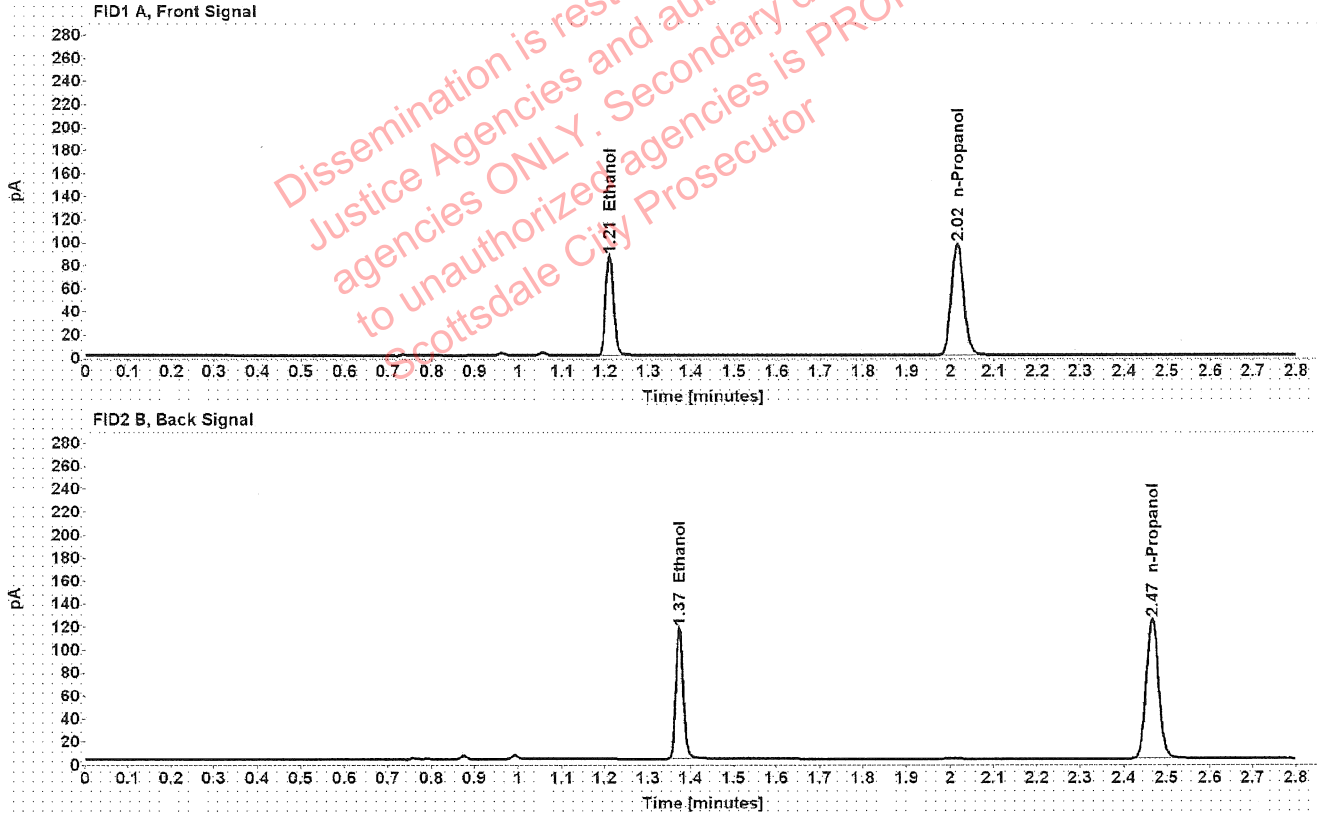


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1815	1.210	109.594
n-Propanol	-----	2.016	192.266

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

Compound	Time (min)	Peak Area
Ethanol	1.373	139.677
n-Propanol	2.466	244.340

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1407727	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Mar22
Instrument:	US14173023 CN14160045	Injection date:	3/1/2022 1:23:29 PM
Data file:	C:\Chem32\1\Data\01Mar22\41.D	Analyst:	Canonico

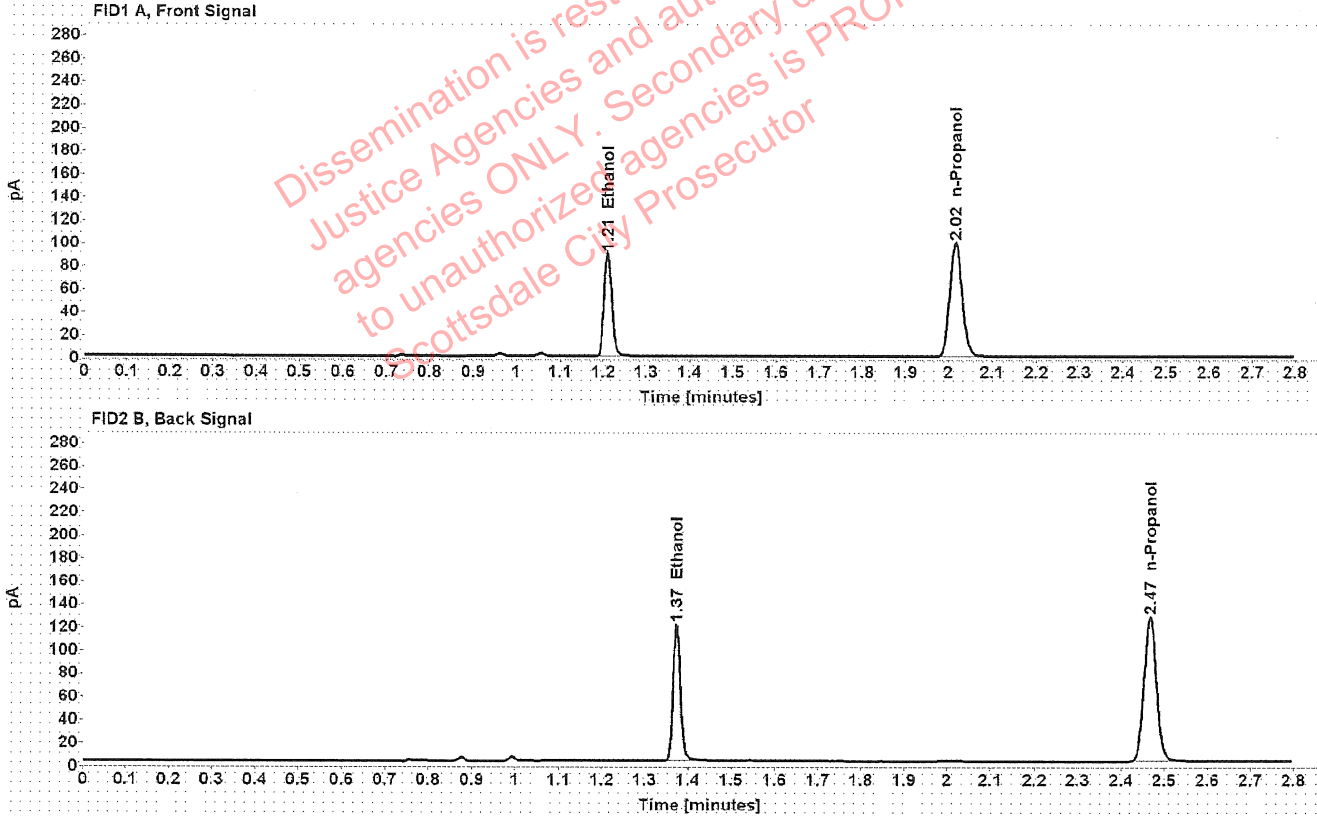


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1831	1.210	113.528
n-Propanol	-----	2.016	197.396

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

Compound	Time (min)	Peak Area
Ethanol	1.374	144.629
n-Propanol	2.467	251.137