

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 07/21/2020 SEQUENCE NAME 21Jul20

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN02271802 0.99997  
 Vial 3 0.20 calibrator Lot FN06231704  
 Vial 4 0.40 calibrator Lot FN05131606

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 040720AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.396 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.197 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
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	0.198 g/dL	0.197 g/dL	ACQ 407041529/13
45	Blank	Not detected	Not detected	SPD lab 040919WB

**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  Phiea Brook Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 21Jul20

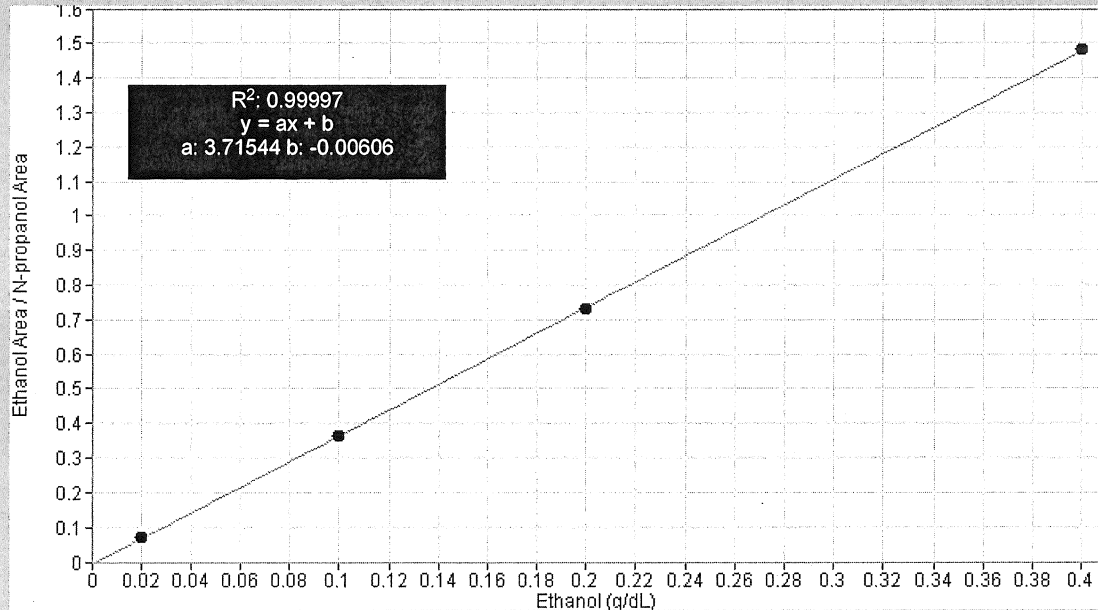
ANALYST: Canonico

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Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 040720AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.396	0.400	1.00	-0.004
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.198 407041529/13	9	0.197	0.198	0.51	-0.001
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.080 03102016-A/1	31	0.080	0.080	0.00	0.000
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
0.198 407041529/13	44	0.197	0.198	0.51	-0.001
blank 040919VVB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.746	165.592	0.071
0.100	61.276	167.832	0.365
0.200	122.325	167.000	0.733
0.400	249.320	168.193	1.482

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03241604	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 21Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/21/2020 12:17:07 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">EC</span>
<b>Data file:</b> C:\Chem32\1\Data\21Jul20\1.D	

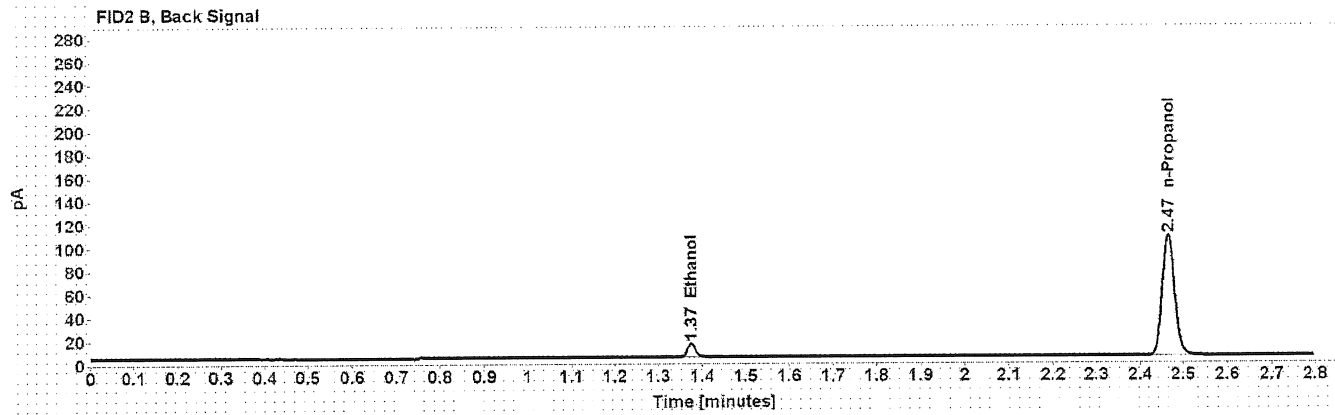
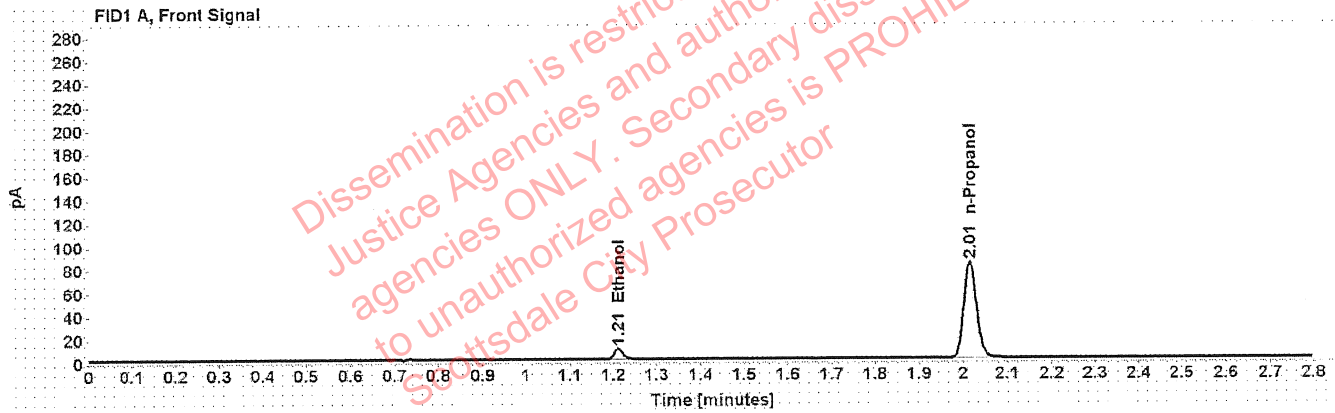


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.746
n-Propanol	2.015	165.592

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.830
n-Propanol	2.466	208.312

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 21Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/21/2020 12:21:07 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <i>ec</i>
<b>Data file:</b> C:\Chem32\1\Data\21Jul20\2.D	

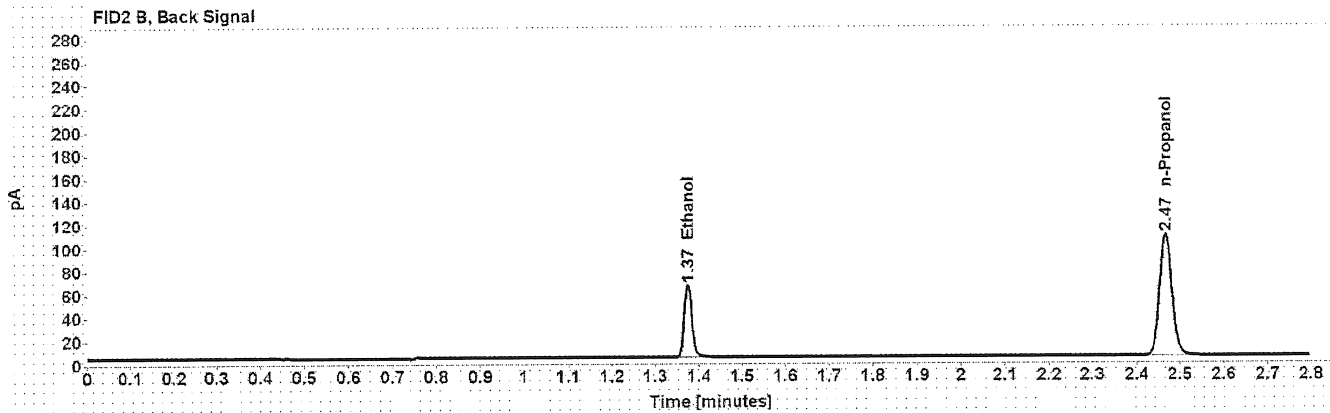
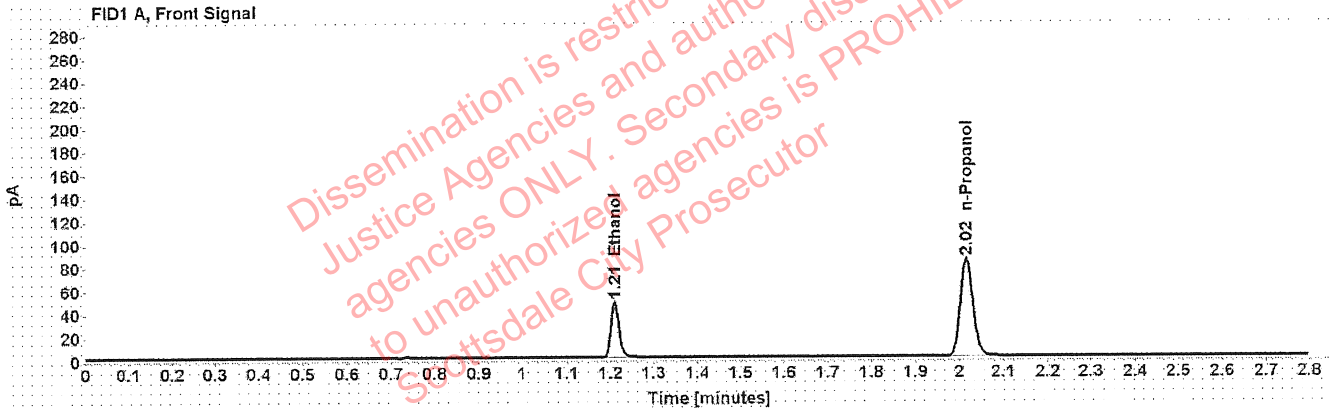


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	61.276
n-Propanol	2.016	167.832

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

Compound	Time (min)	Peak Area
Ethanol	1.374	77.108
n-Propanol	2.467	211.111

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 21Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/21/2020 12:25:07 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">EC</span>
<b>Data file:</b> C:\Chem32\1\Data\21Jul20\3.D	

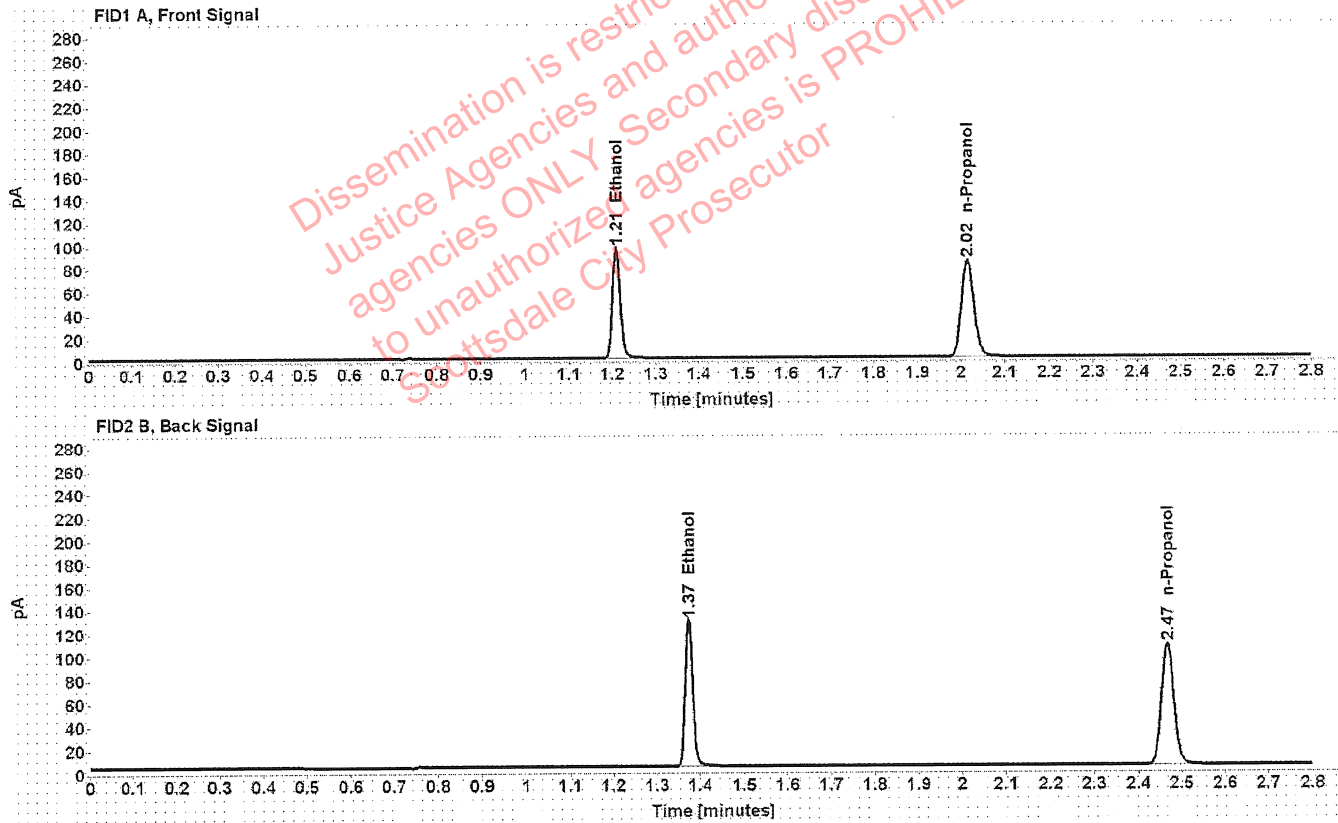


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	122.325
n-Propanol	2.015	167.000

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

Compound	Time (min)	Peak Area
Ethanol	1.374	154.003
n-Propanol	2.467	209.960

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 21Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/21/2020 12:29:07 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">ec</span>
<b>Data file:</b> C:\Chem32\1\Data\21Jul20\4.D	

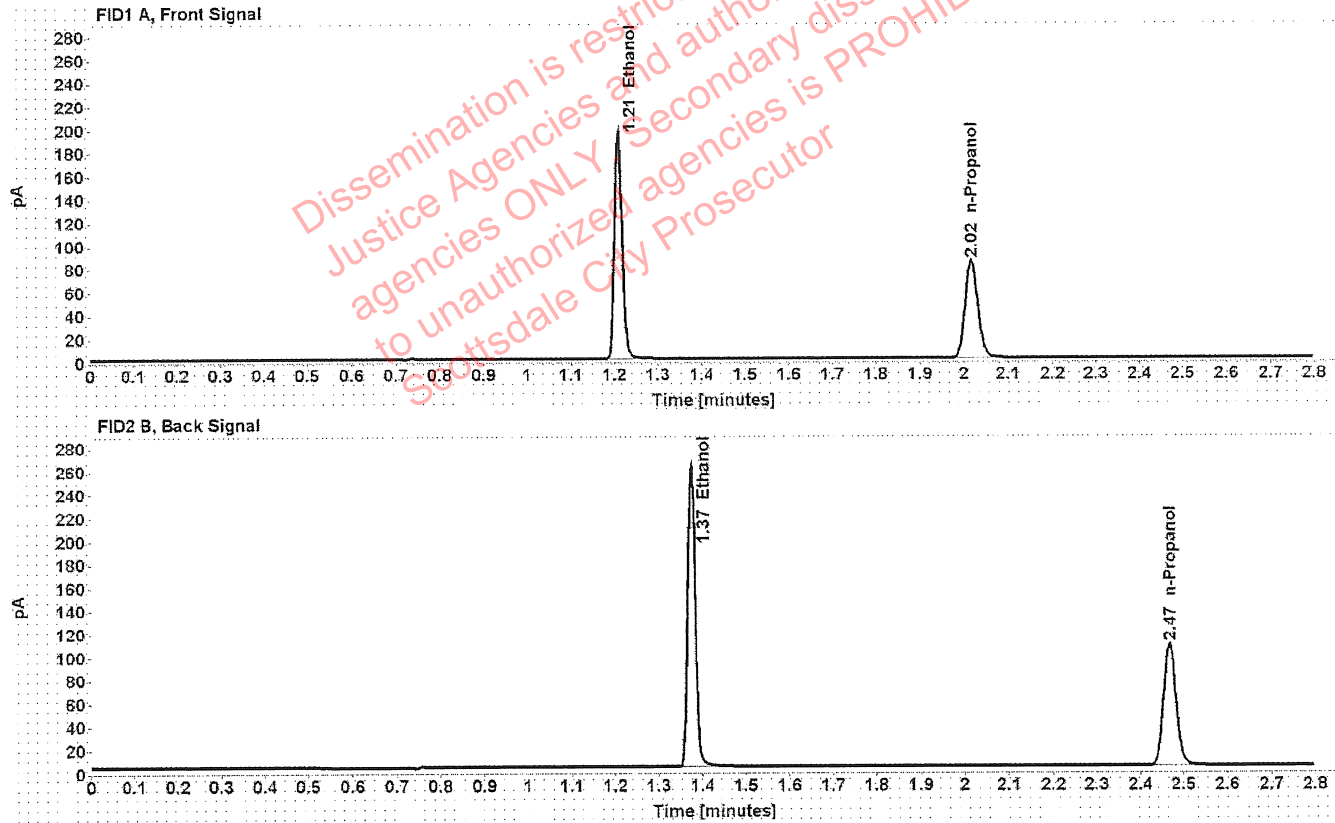


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	249.320
n-Propanol	2.016	168.193

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

Compound	Time (min)	Peak Area
Ethanol	1.375	315.675
n-Propanol	2.468	211.295

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040720AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 12:33:07 PM
Data file:	C:\Chem32\1\Data\21Jul20\5.D	Analyst:	Canonico <i>EC</i>

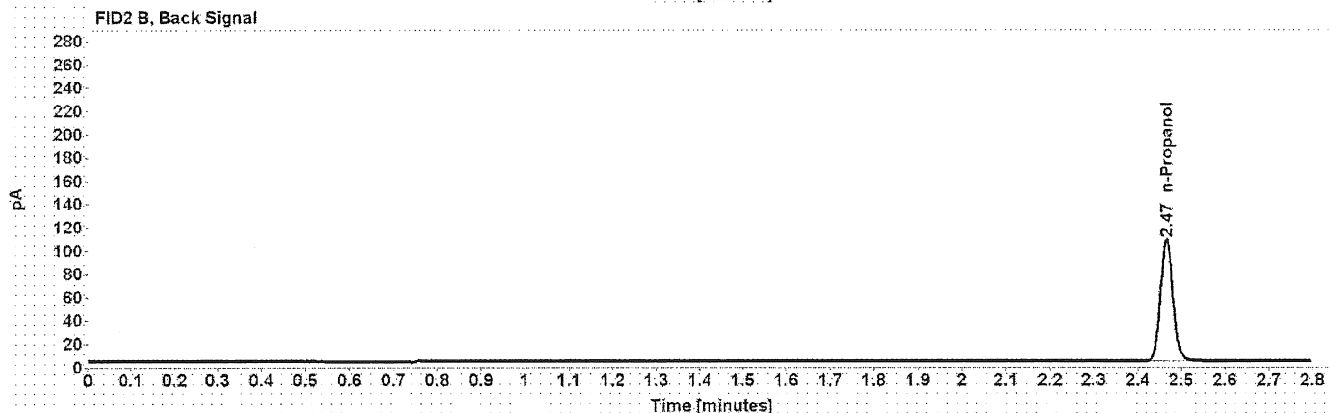


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	167.715

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	210.364

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 070819MIX	<b>Vial:</b> 6
<b>Description:</b> Volatiles mix	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 21Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/21/2020 12:37:07 PM
<b>Data file:</b> C:\Chem32\1\Data\21Jul20\6.D	<b>Analyst:</b> Canonico <i>ec</i>

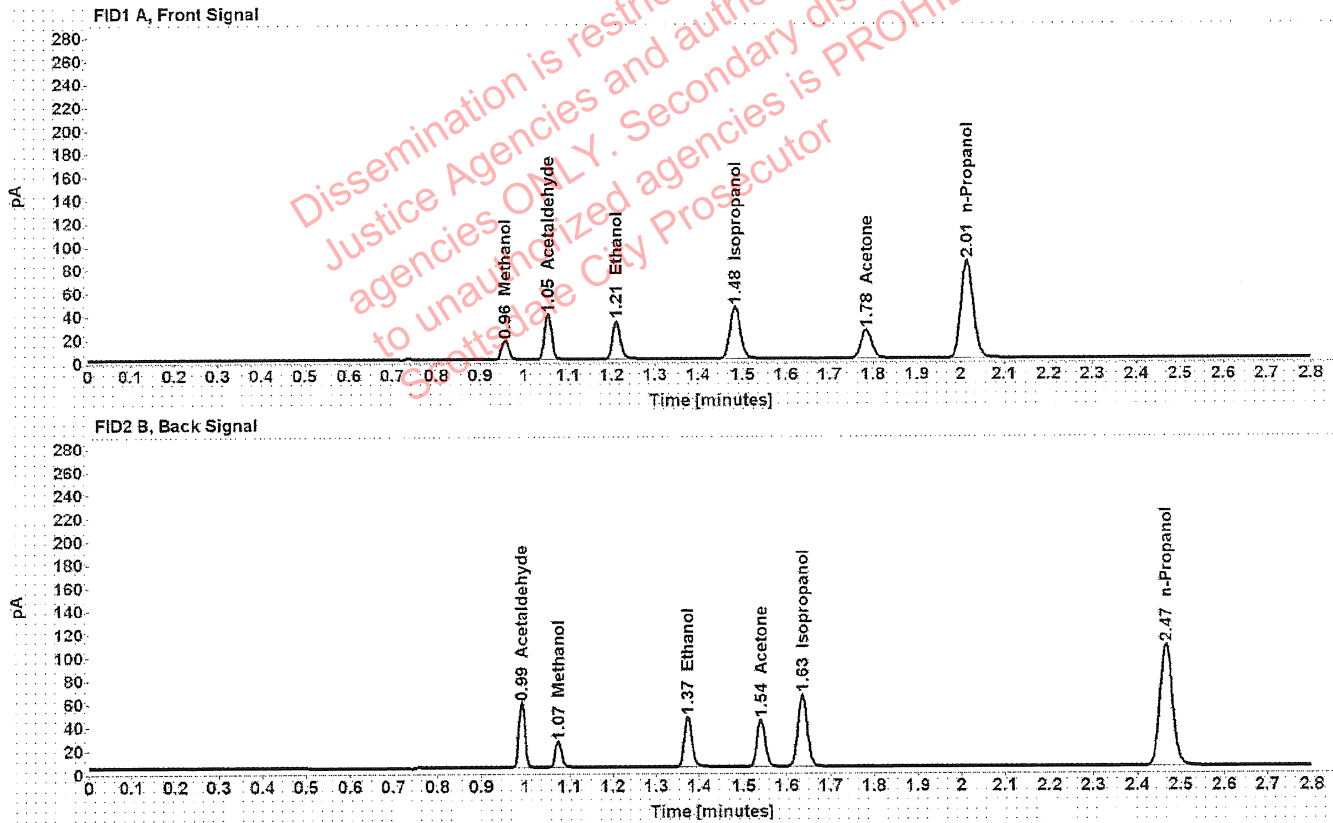


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.418
Acetaldehyde	-----	1.054	42.322
>Ethanol	0.0692	1.210	42.046
Isopropanol	-----	1.483	72.263
Acetone	-----	1.783	42.194
n-Propanol	-----	2.015	167.379

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	54.977
Methanol	1.075	23.802
Ethanol	1.373	52.887
Acetone	1.540	53.250
Isopropanol	1.635	93.568
n-Propanol	2.466	210.298



# 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> 21Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/21/2020 12:41:22 PM
<b>Data file:</b> C:\Chem32\1\Data\21Jul20\7.D	<b>Analyst:</b> Canonico <i>EC</i>

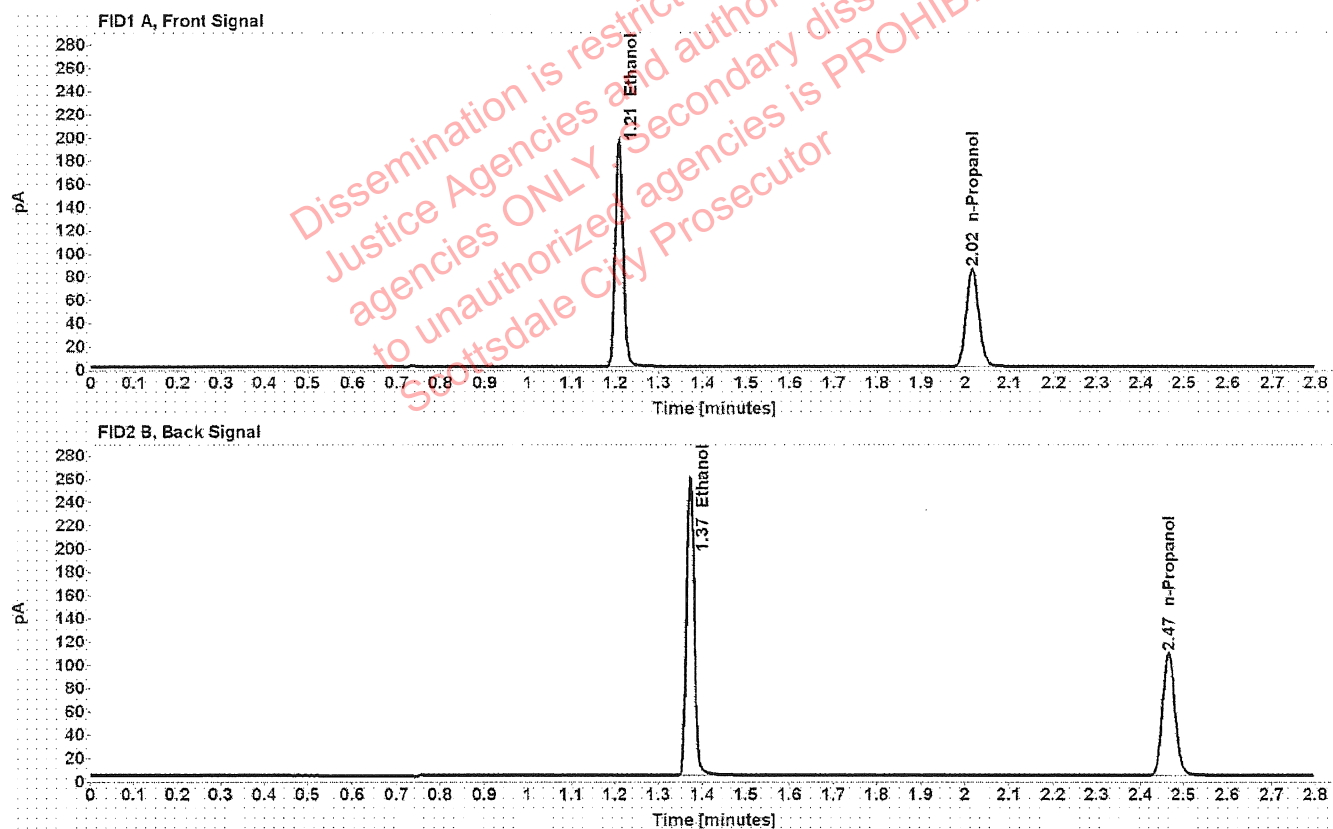


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3964	1.208	247.952
n-Propanol	-----	2.015	169.064

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

Compound	Time (min)	Peak Area
Ethanol	1.372	313.682
n-Propanol	2.466	212.391

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 8
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 21Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/21/2020 12:45:22 PM
<b>Data file:</b> C:\Chem32\1\Data\21Jul20\8.D	<b>Analyst:</b> Canonico ee

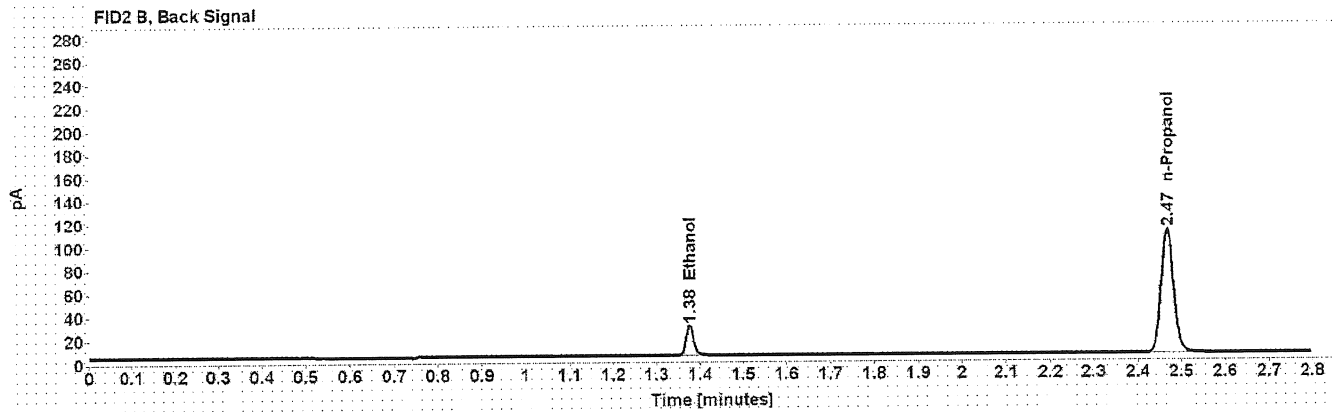
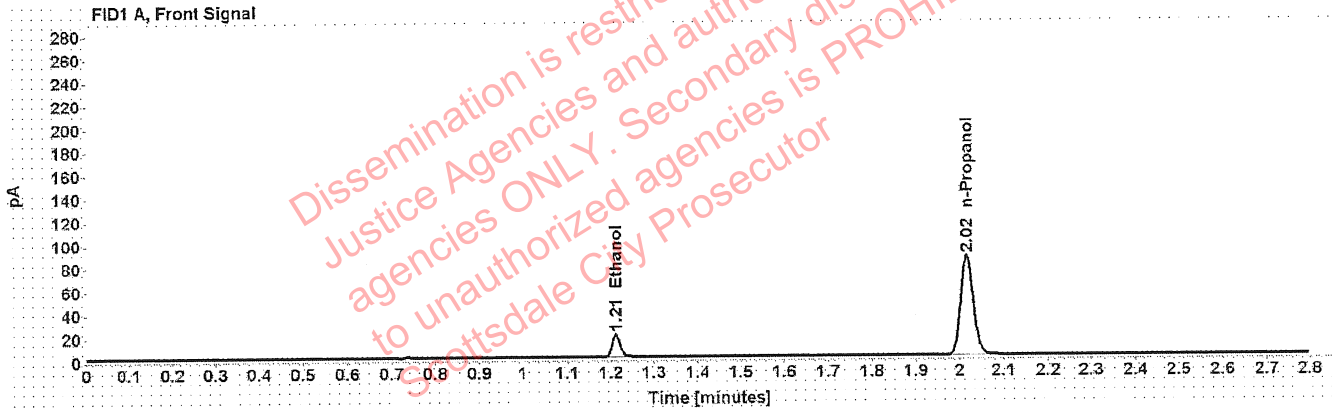


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.212	25.144
n-Propanol	-----	2.016	170.822

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

Compound	Time (min)	Peak Area
Ethanol	1.376	31.552
n-Propanol	2.468	214.182

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	407041529/13	Vial:	9
Description:	0.198	LIMS ID:	
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 12:49:22 PM
Data file:	C:\Chem32\1\Data\21Jul20\9.D	Analyst:	Canonico <i>EC</i>

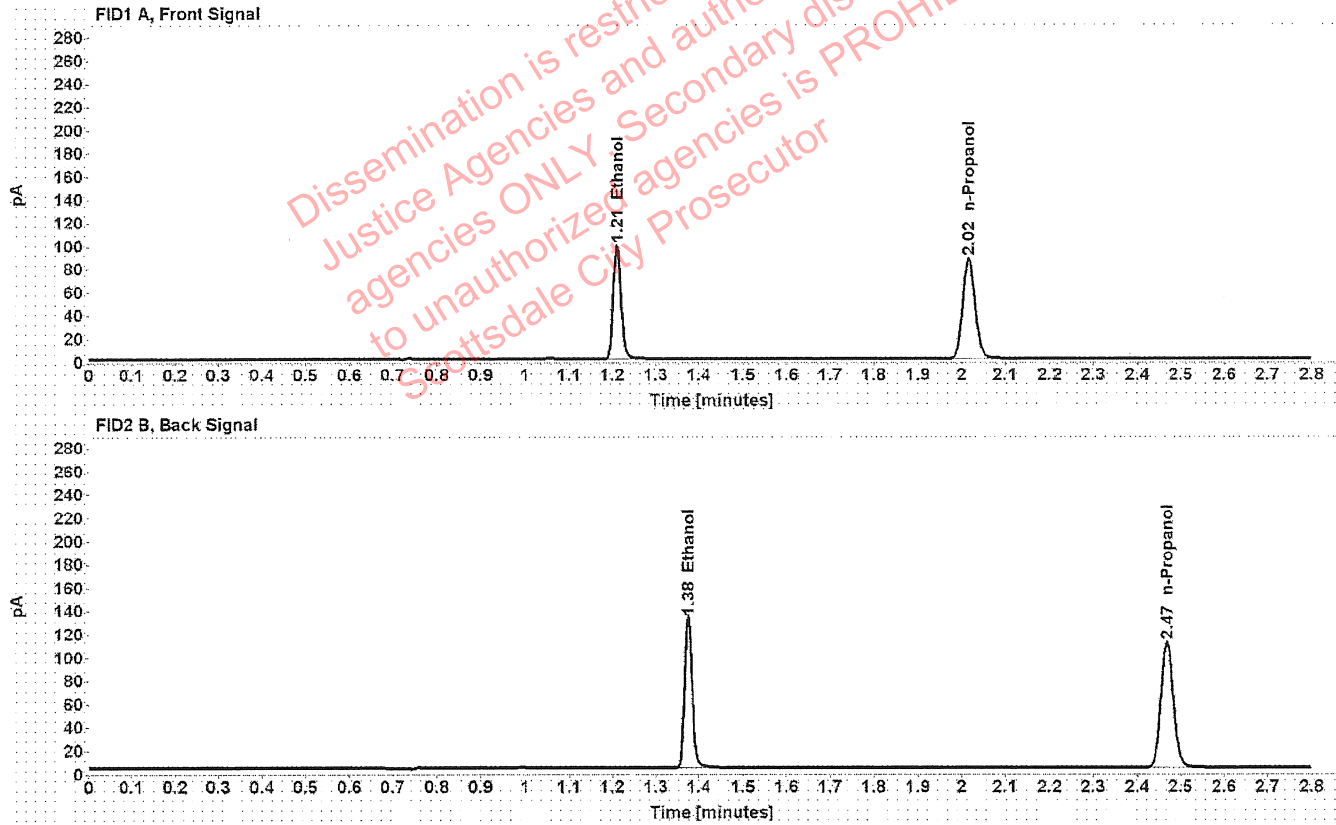


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1979	1.210	126.070
n-Propanol	-----	2.017	172.847

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

Compound	Time (min)	Peak Area
Ethanol	1.375	158.670
n-Propanol	2.468	216.955

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 21Jul20
Instrument: US14173023 CN14160045	Injection date: 7/21/2020 1:33:52 PM
Data file: C:\Chem32\1\Data\21Jul20\20.D	Analyst: Canonico <i>ec</i>

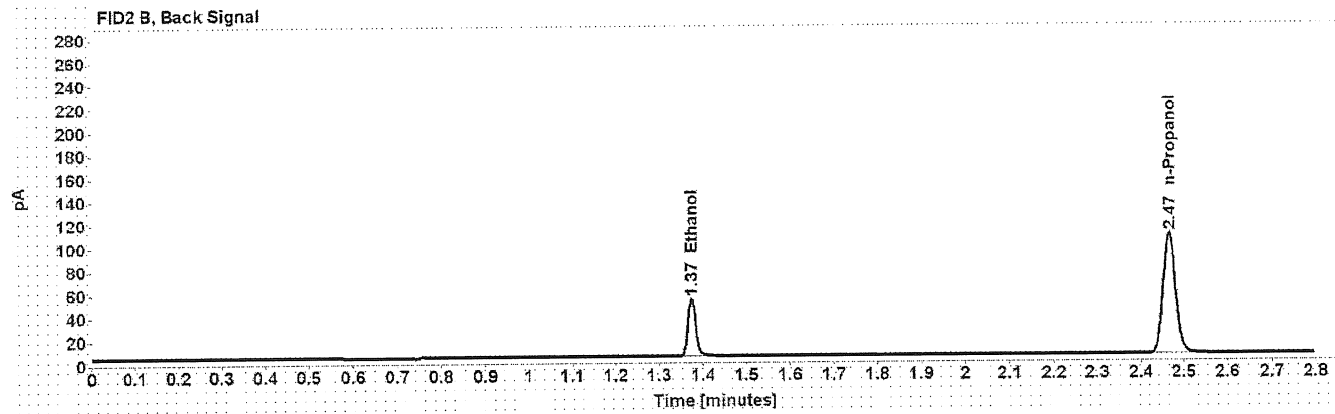
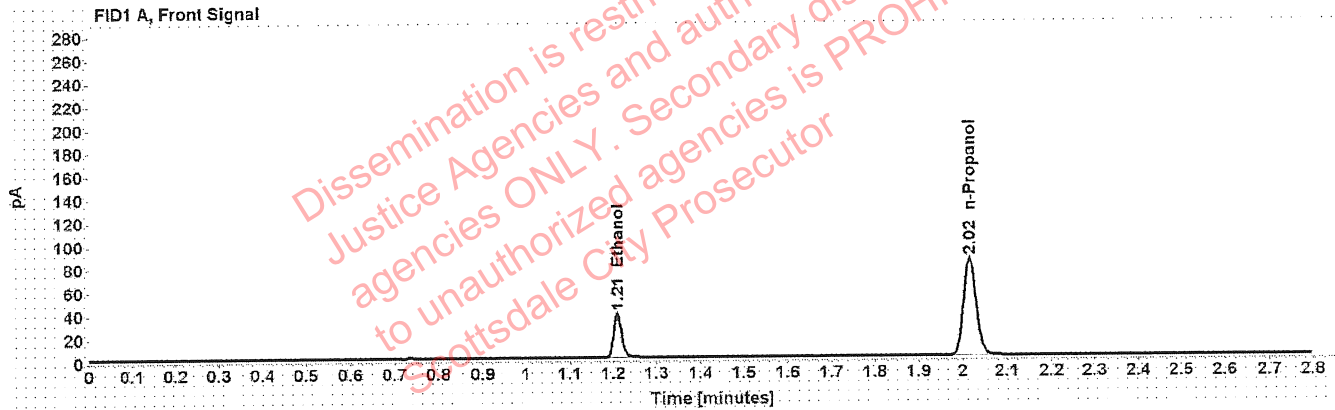


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0803	1.210	48.897
n-Propanol	-----	2.015	167.302

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.447
n-Propanol	2.466	209.277

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 21Jul20
Instrument: US14173023 CN14160045	Injection date: 7/21/2020 2:18:22 PM
Data file: C:\Chem32\1\Data\21Jul20\31.D	Analyst: Canonico <i>EC</i>

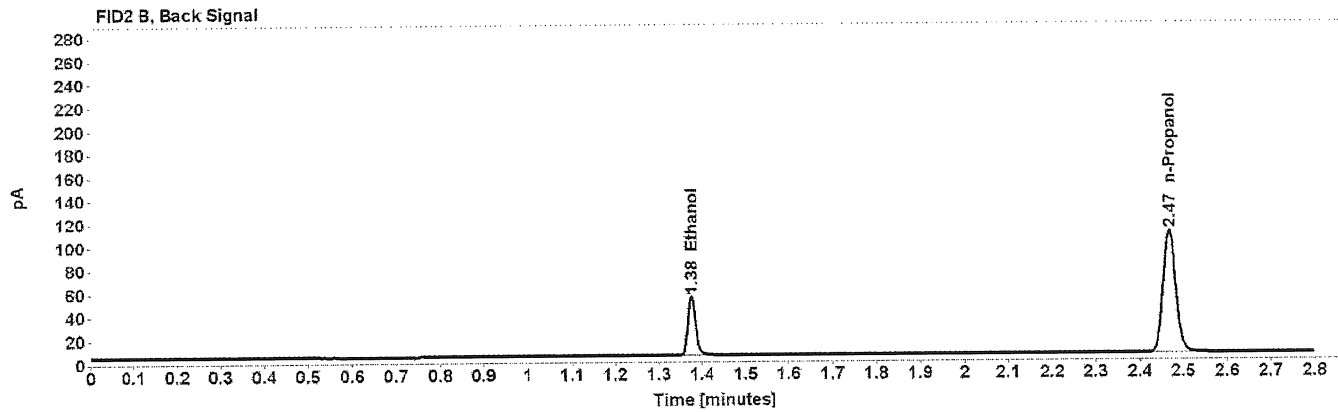
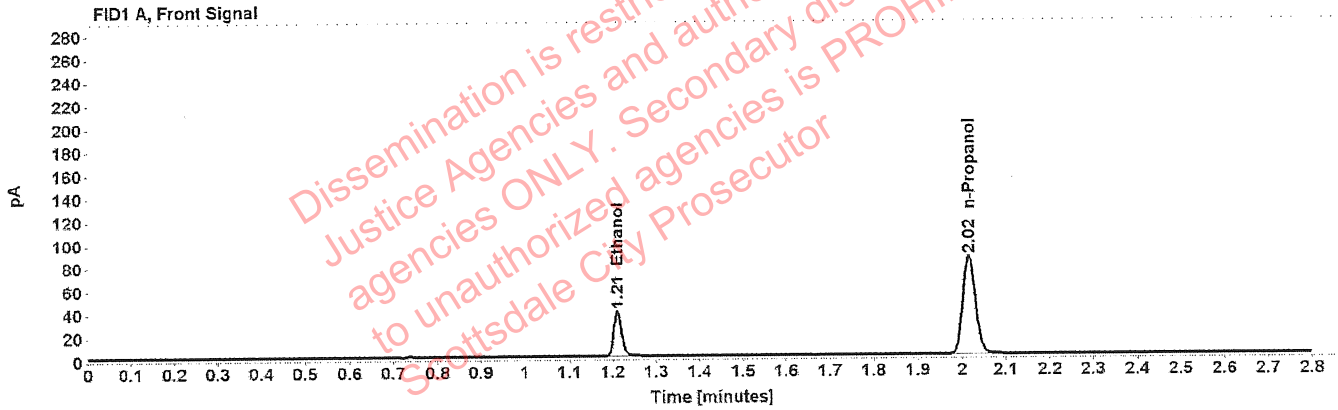


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0808	1.211	49.891
n-Propanol	-----	2.016	169.670

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

Compound	Time (min)	Peak Area
Ethanol	1.375	62.459
n-Propanol	2.468	211.760

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 3:02:38 PM
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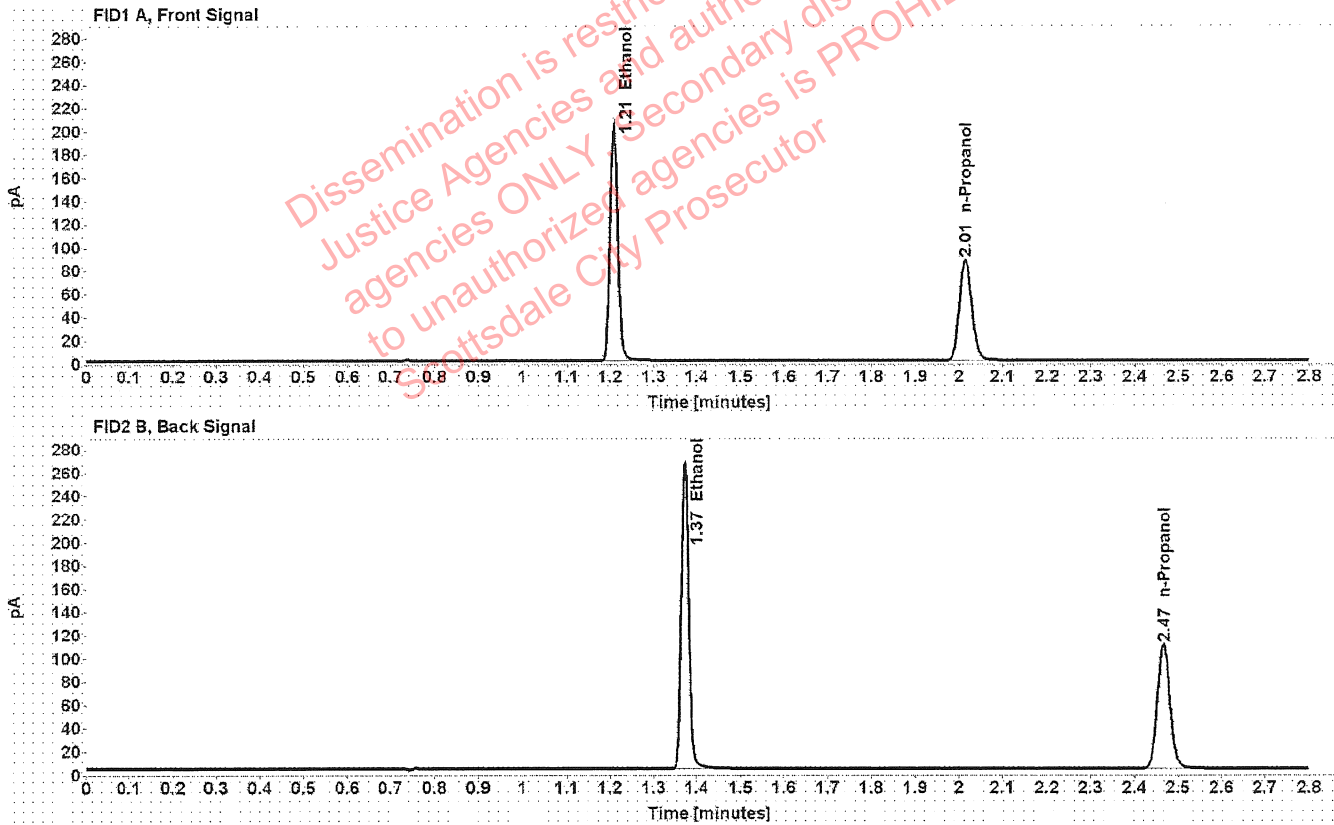


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4000	1.208	255.820
n-Propanol	-----	2.015	172.854

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

Compound	Time (min)	Peak Area
Ethanol	1.373	322.720
n-Propanol	2.466	216.352

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 21Jul20
Instrument: US14173023 CN14160045	Injection date: 7/21/2020 3:06:52 PM
Data file: C:\Chem32\1\Data\21Jul20\43.D	Analyst: Canonico <i>EE</i>

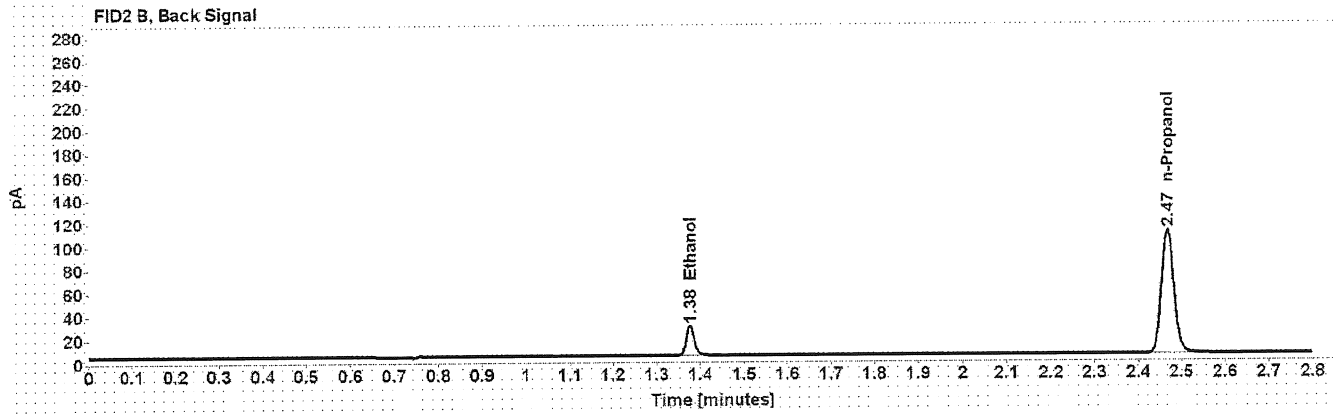
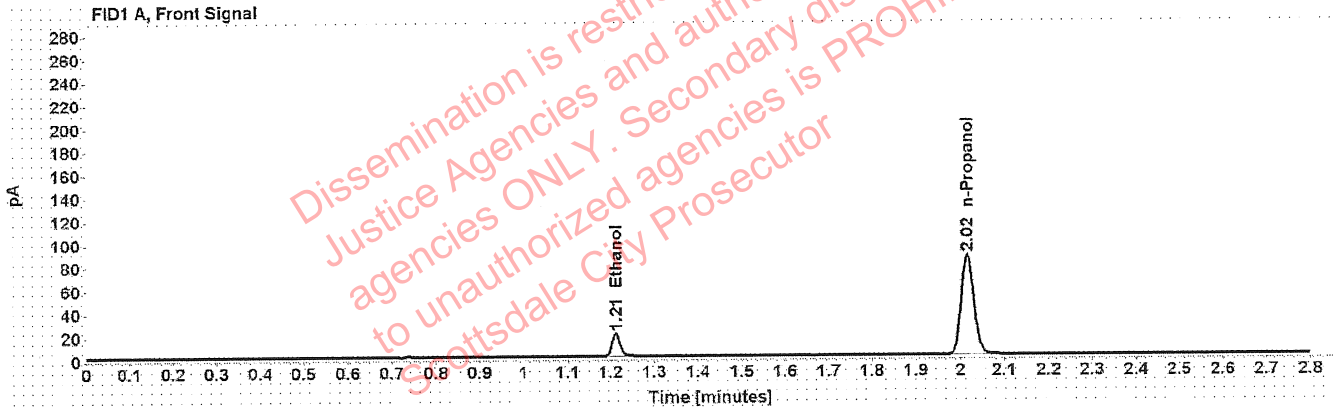


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0415	1.212	25.471
n-Propanol	-----	2.016	171.909

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

Compound	Time (min)	Peak Area
Ethanol	1.376	31.805
n-Propanol	2.468	214.546

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 21Jul20
Instrument: US14173023 CN14160045	Injection date: 7/21/2020 3:10:53 PM
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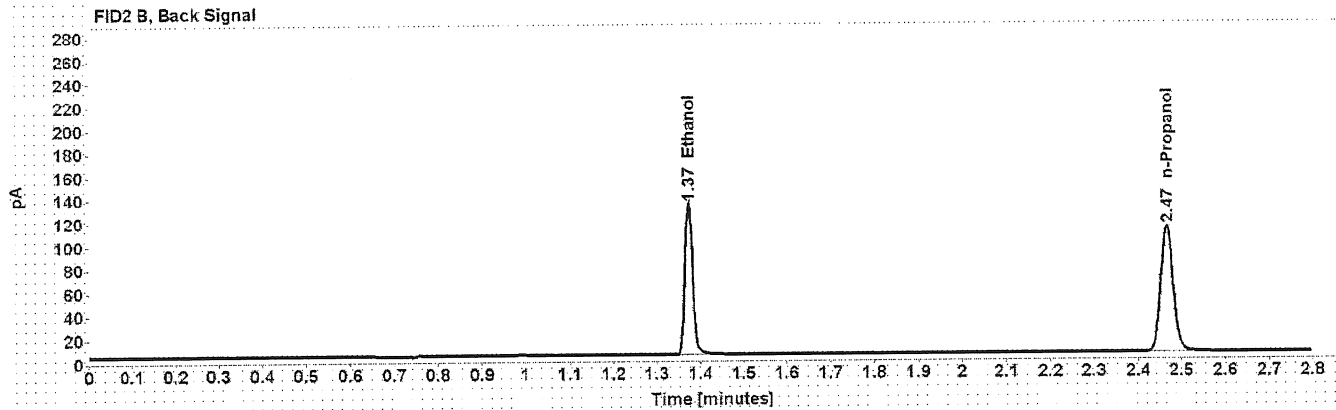
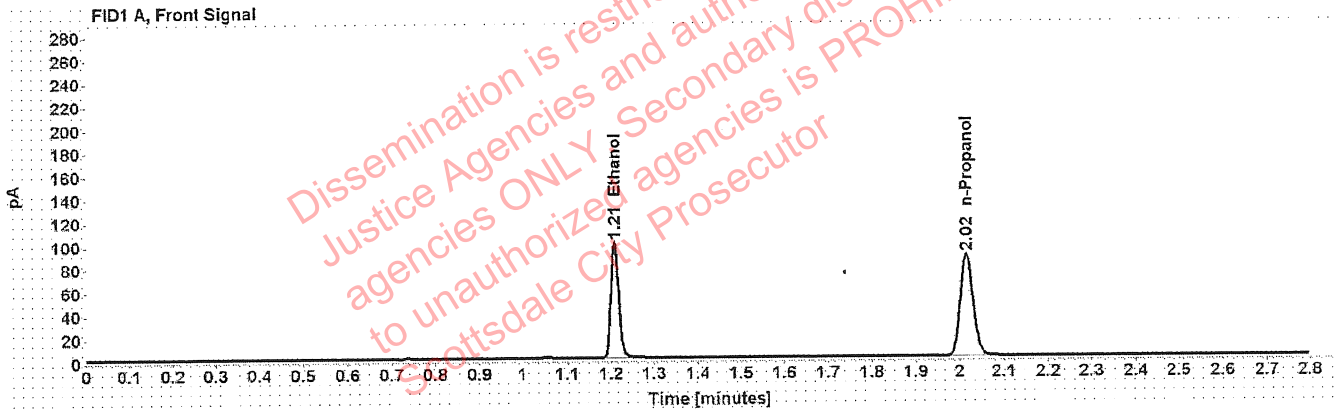


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1970	1.209	127.442
n-Propanol	-----	2.015	175.566

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

Compound	Time (min)	Peak Area
Ethanol	1.373	159.812
n-Propanol	2.466	219.479



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 21Jul20
Instrument: US14173023 CN14160045	Injection date: 7/21/2020 3:14:52 PM
Data file: C:\Chem32\1\Data\21Jul20\45.D	Analyst: Canonico <i>EC</i>

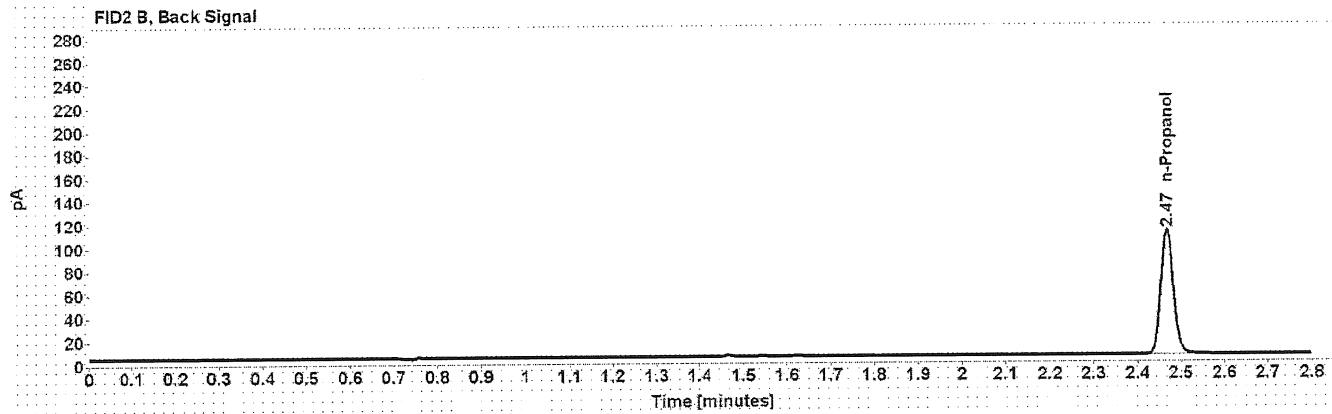
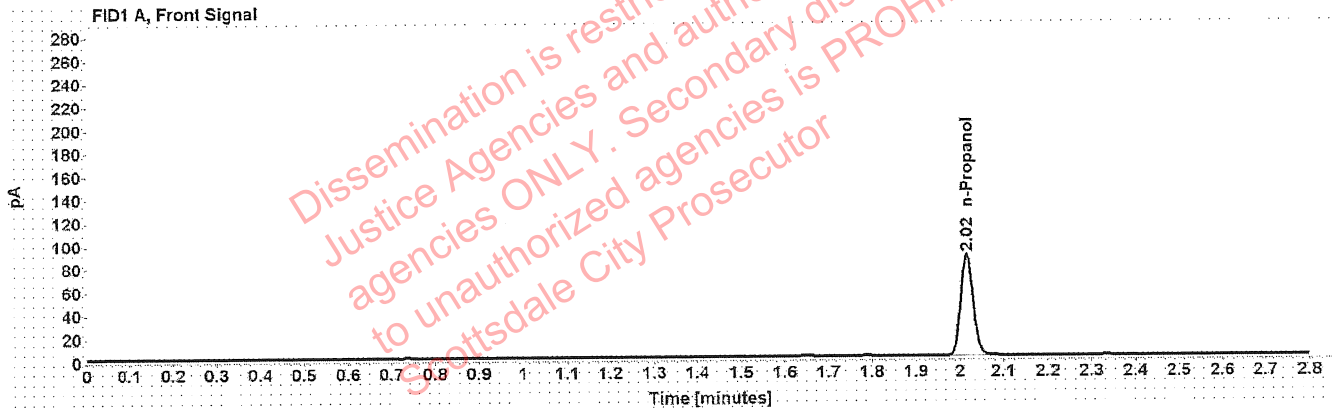


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	173.751

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	217.542

# Sequence Summary

Sequence name: 21Jul20      Instrument: US14173023 CN14160045      Analyst: Canonico EC

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	040720AQ	Negative	Control		ethanol quant.M
6	070819MIX	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	407041529/13	0.198	Control		ethanol quant.M
10	1329751		Sample		ethanol quant.M
11	1329751		Sample		ethanol quant.M
12	1329497		Sample		ethanol quant.M
13	1329497		Sample		ethanol quant.M
14	1329485		Sample		ethanol quant.M
15	1329485		Sample		ethanol quant.M
16	1327687		Sample		ethanol quant.M
17	1327687		Sample		ethanol quant.M
18	1327543		Sample		ethanol quant.M
19	1327543		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1327654		Sample		ethanol quant.M
22	1327654		Sample		ethanol quant.M
23	1326676		Sample		ethanol quant.M
24	1326676		Sample		ethanol quant.M
25	1329699		Sample		ethanol quant.M
26	1329699		Sample		ethanol quant.M
27	1329054		Sample		ethanol quant.M
28	1329054		Sample		ethanol quant.M
29	1329262		Sample		ethanol quant.M
30	1329262		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1329266		Sample		ethanol quant.M
33	1329266		Sample		ethanol quant.M
34	1329436		Sample		ethanol quant.M
35	1329436		Sample		ethanol quant.M
36	1329433		Sample		ethanol quant.M
37	1329433		Sample		ethanol quant.M
38	1327105		Sample		ethanol quant.M
39	1327105		Sample		ethanol quant.M
40	1326940		Sample		ethanol quant.M
41	1326940		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

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

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 21Jul20

ANALYST: Canonico

EC

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0590	0.0580	0.05850	0.85	0.00050
12 13	0.1621	0.1627	0.16240	0.18	0.00030
14 15	0.2033	0.2045	0.20390	0.29	0.00060
16 17	0.1864	0.1862	0.18630	0.05	0.00010
18 19	0.2085	0.2089	0.20870	0.10	0.00020
21 22	0.1058	0.1060	0.10590	0.09	0.00010
23 24	0.1544	0.1522	0.15330	0.72	0.00110
25 26	0.0000	0.0000	0.00000	0.00	0.00000
27 28	0.2433	0.2421	0.24270	0.25	0.00060
29 30	0.1837	0.1856	0.18465	0.51	0.00095
32 33	0.1183	0.1176	0.11795	0.30	0.00035
34 35	0.1949	0.1952	0.19505	0.08	0.00015
36 37	0.1542	0.1527	0.15345	0.49	0.00075
38 39	0.0080	0.0080	0.00800	0.00	0.00000
40 41	0.0739	0.0726	0.07325	0.89	0.00065

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329751	Vial:	10
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 12:53:23 PM
Data file:	C:\Chem32\1\Data\21Jul20\10.D	Analyst:	Canonico

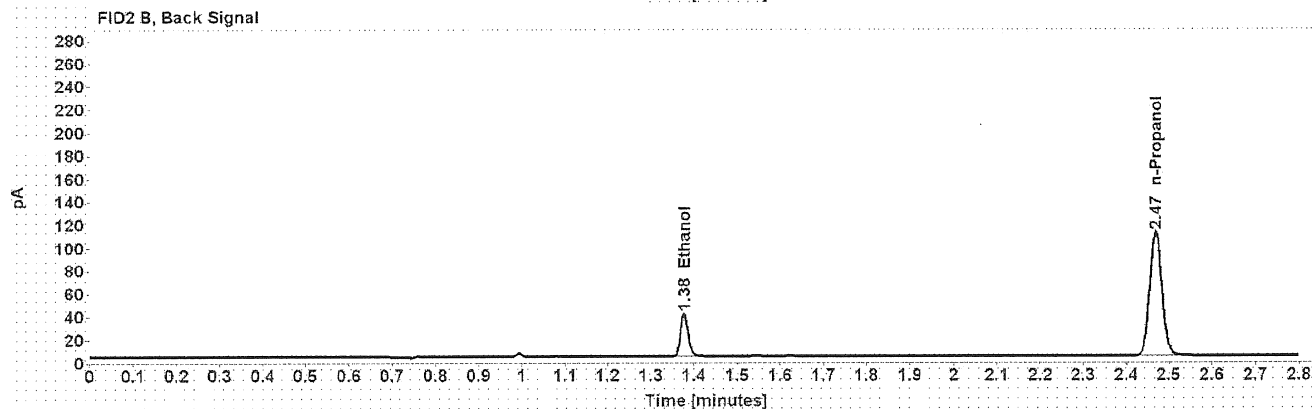
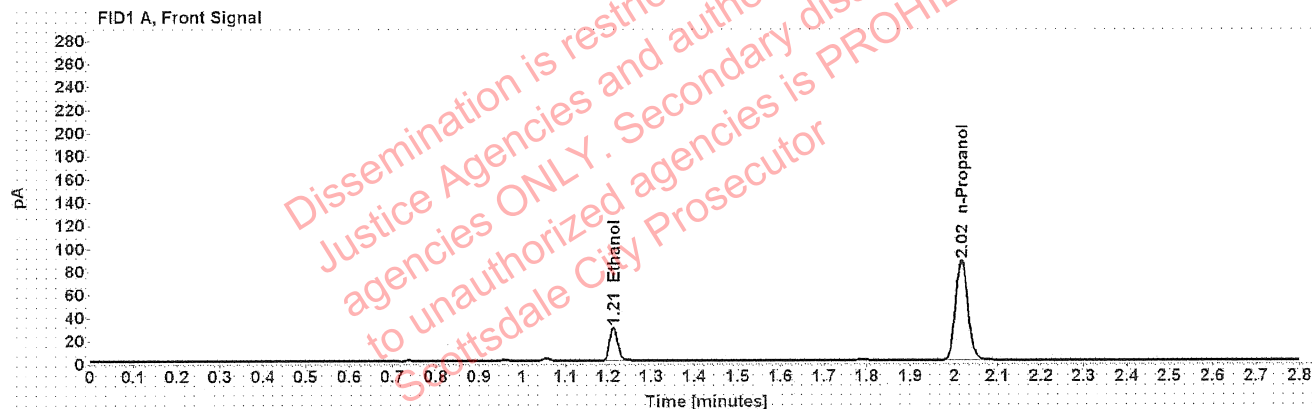


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0590	1.212	36.906
n-Propanol	-----	2.017	173.148

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

Compound	Time (min)	Peak Area
Ethanol	1.377	46.295
n-Propanol	2.469	217.431

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329751	Vial:	11
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 12:57:22 PM
Data file:	C:\Chem32\1\Data\21Jul20\11.D	Analyst:	Canonico

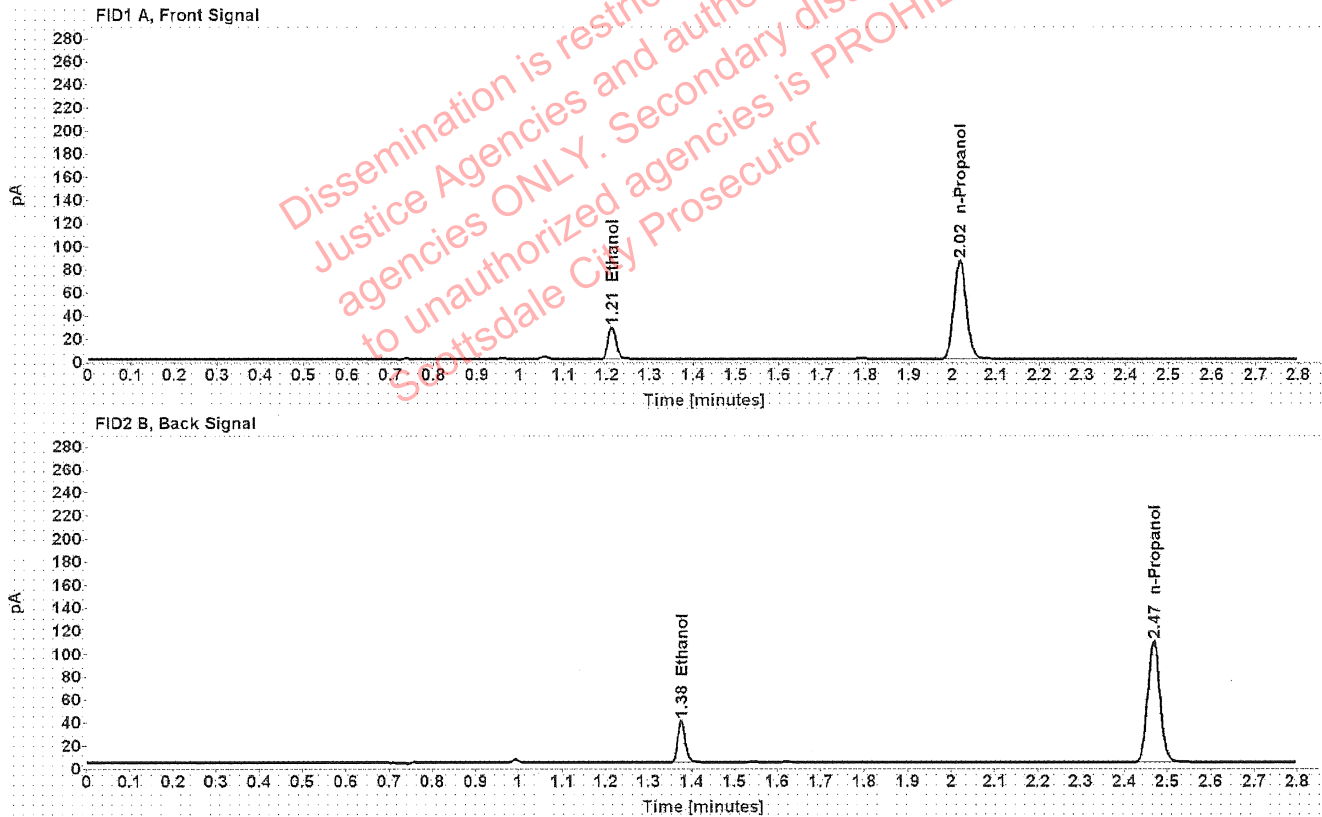


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0580	1.212	35.661
n-Propanol	-----	2.016	170.137

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

Compound	Time (min)	Peak Area
Ethanol	1.376	45.479
n-Propanol	2.468	213.687

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329497	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:01:22 PM
Data file:	C:\Chem32\1\Data\21Jul20\12.D	Analyst:	Canonico

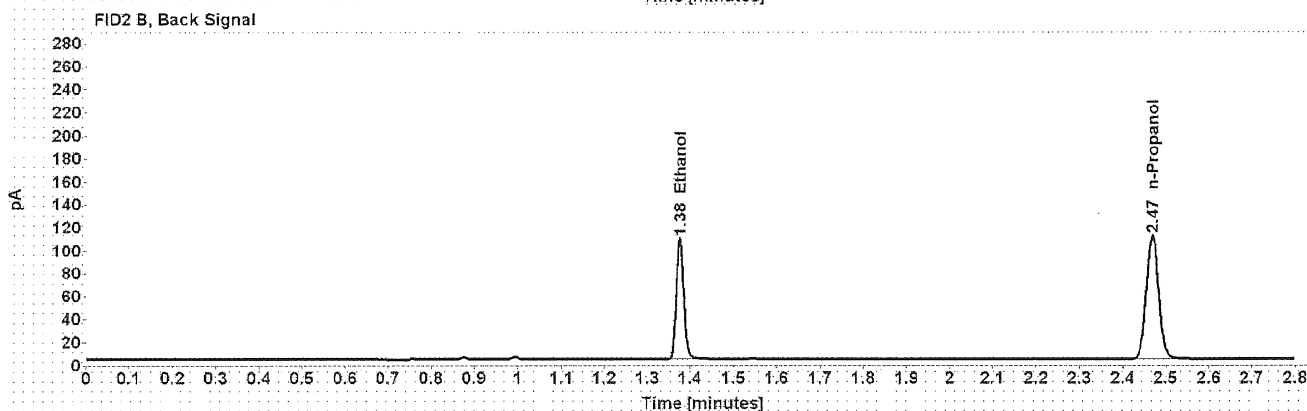
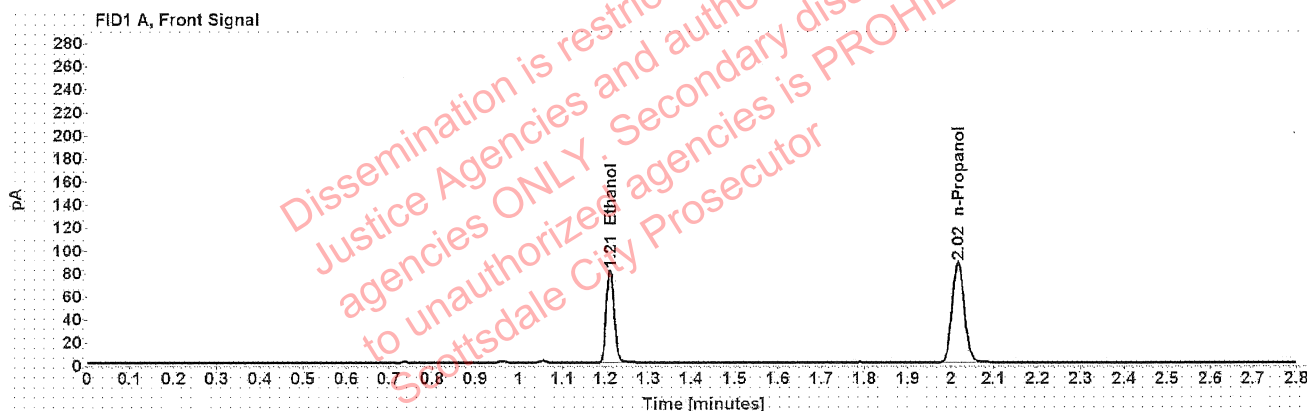


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1621	1.211	103.313
n-Propanol	-----	2.017	173.272

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

Compound	Time (min)	Peak Area
Ethanol	1.375	129.818
n-Propanol	2.468	216.633

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329497	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:05:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\13.D	Analyst:	Canonico

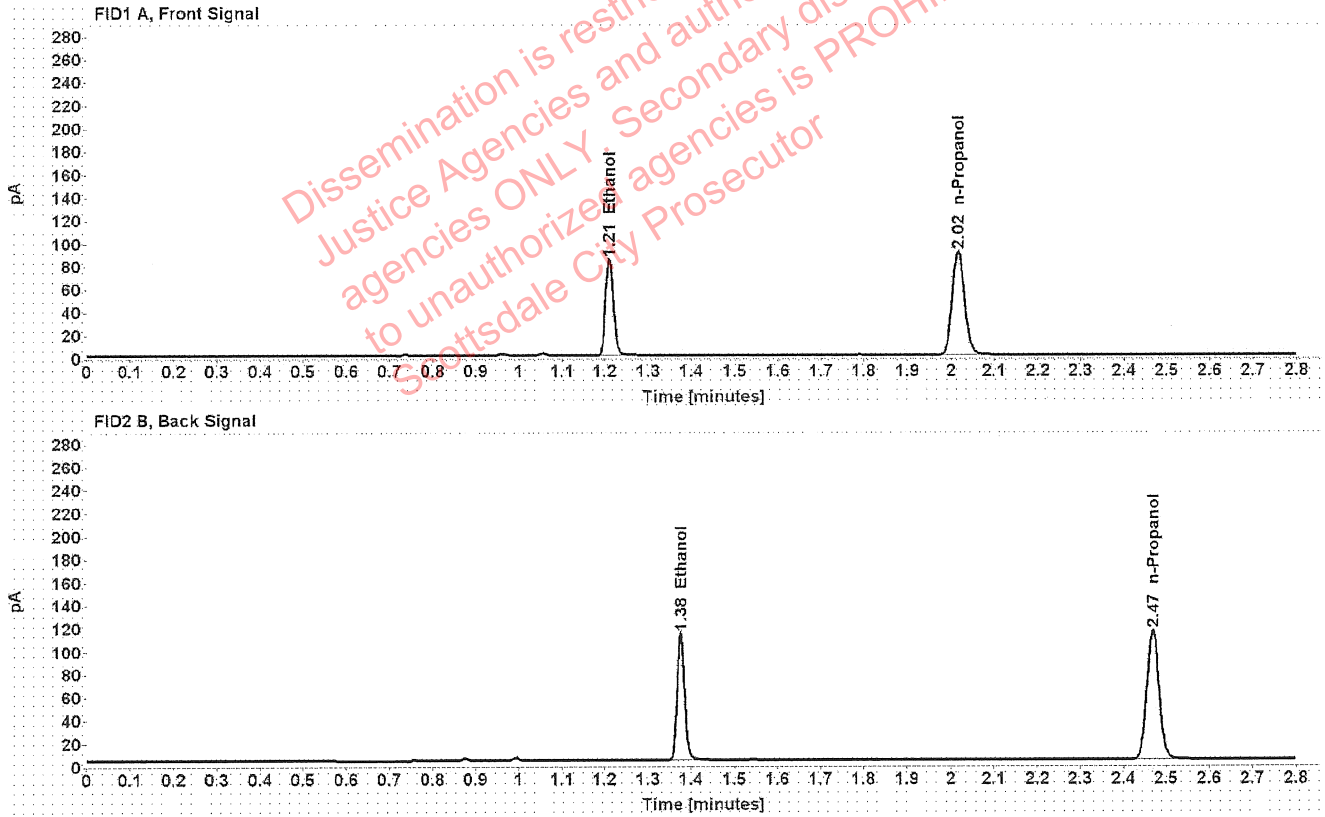


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1627	1.210	107.821
n-Propanol	-----	2.016	180.183

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

Compound	Time (min)	Peak Area
Ethanol	1.375	135.367
n-Propanol	2.468	225.373



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329485	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:09:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\14.D	Analyst:	Canonico

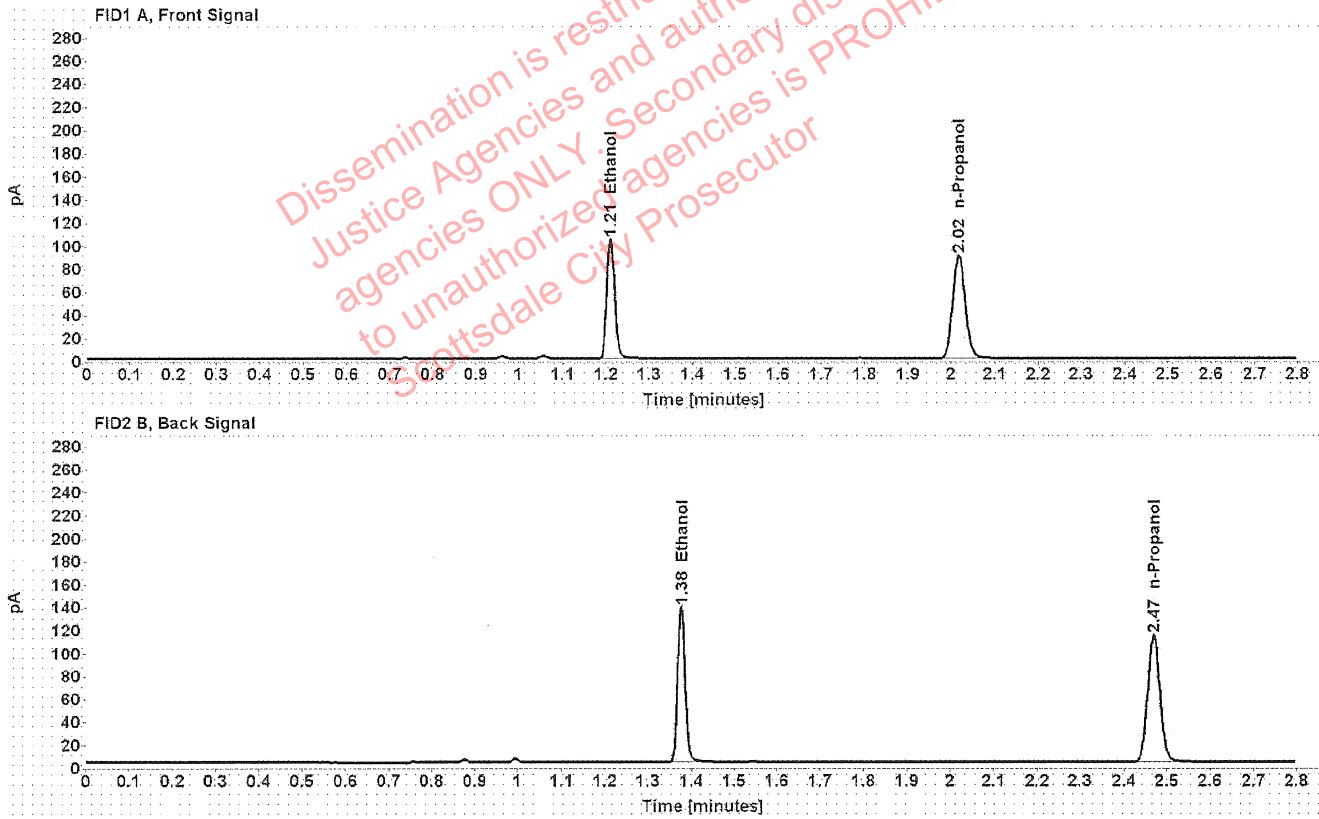


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2033	1.211	133.056
n-Propanol	-----	2.017	177.598

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

Compound	Time (min)	Peak Area
Ethanol	1.376	167.321
n-Propanol	2.469	222.852

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329485	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:13:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\15.D	Analyst:	Canonico

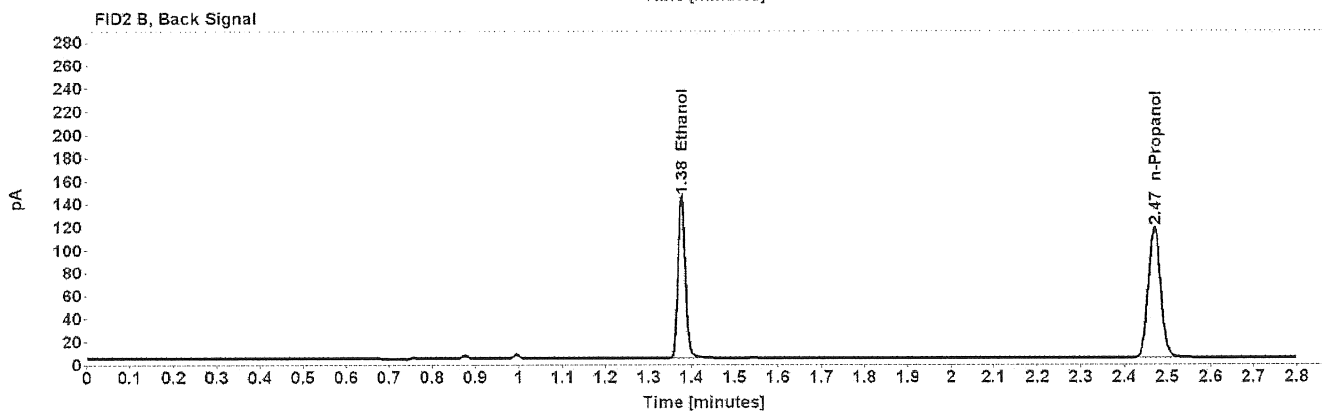
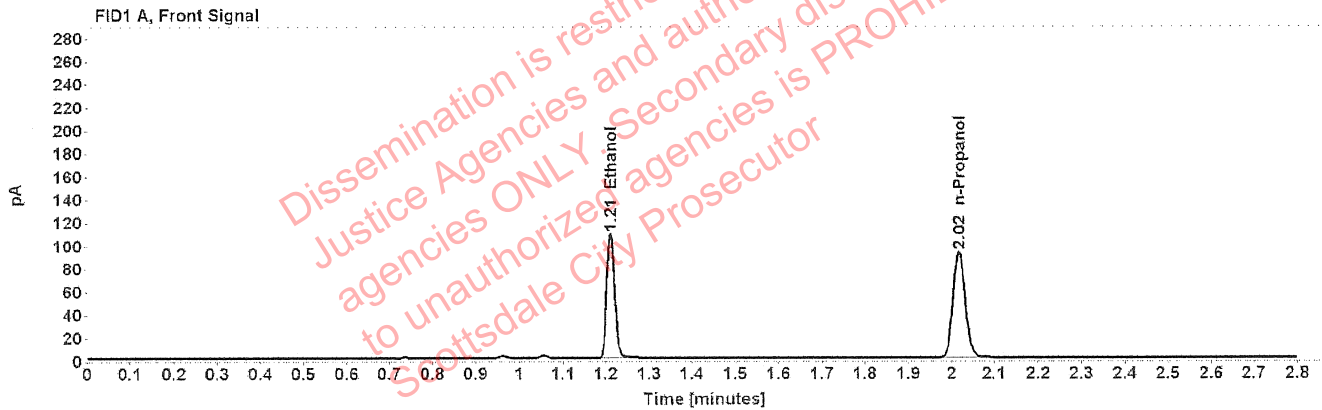


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2045	1.211	138.211
n-Propanol	-----	2.017	183.363

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

Compound	Time (min)	Peak Area
Ethanol	1.376	173.817
n-Propanol	2.469	229.902

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327687	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:17:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\16.D	Analyst:	Canonico

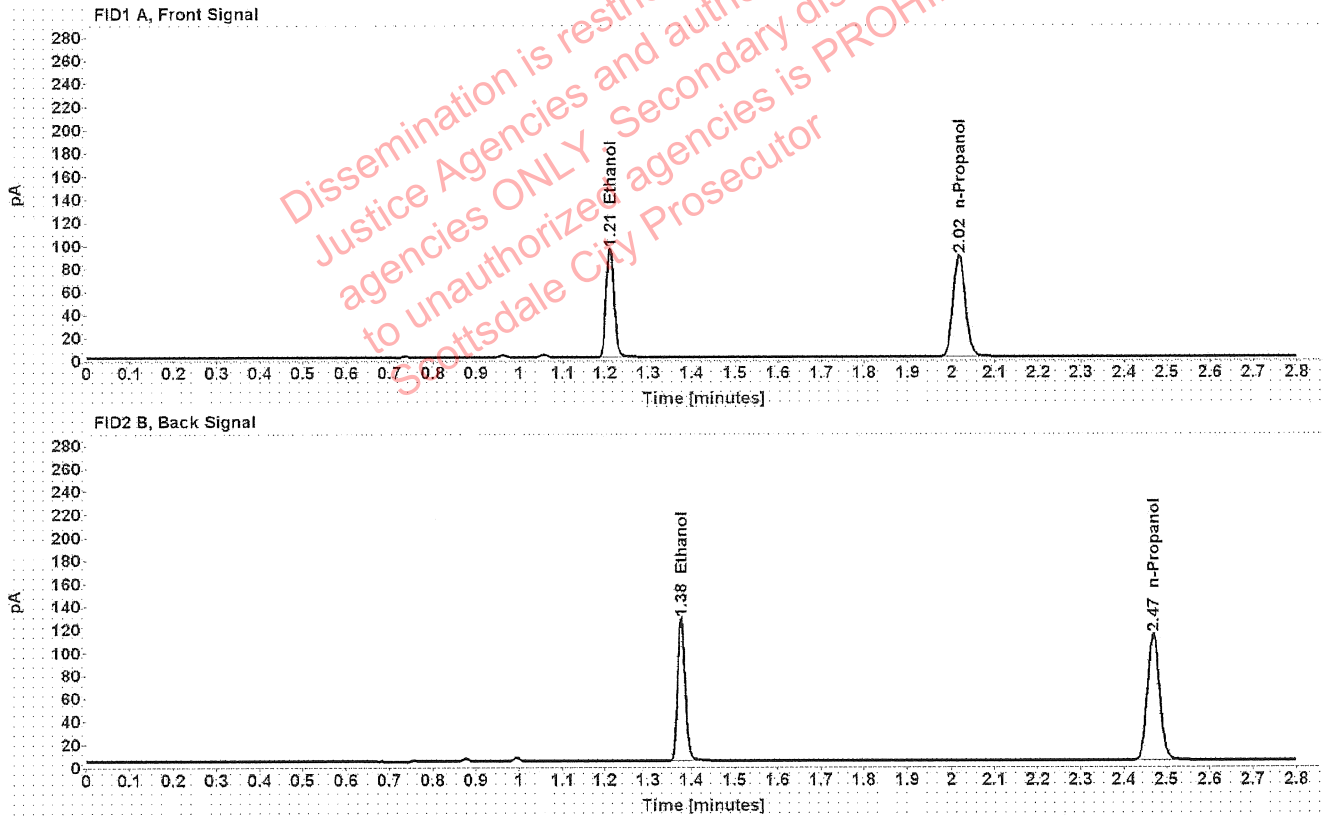


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1864	1.211	121.213
n-Propanol	-----	2.017	176.551

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

Compound	Time (min)	Peak Area
Ethanol	1.376	152.096
n-Propanol	2.469	221.122

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327687	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:21:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\17.D	Analyst:	Canonico

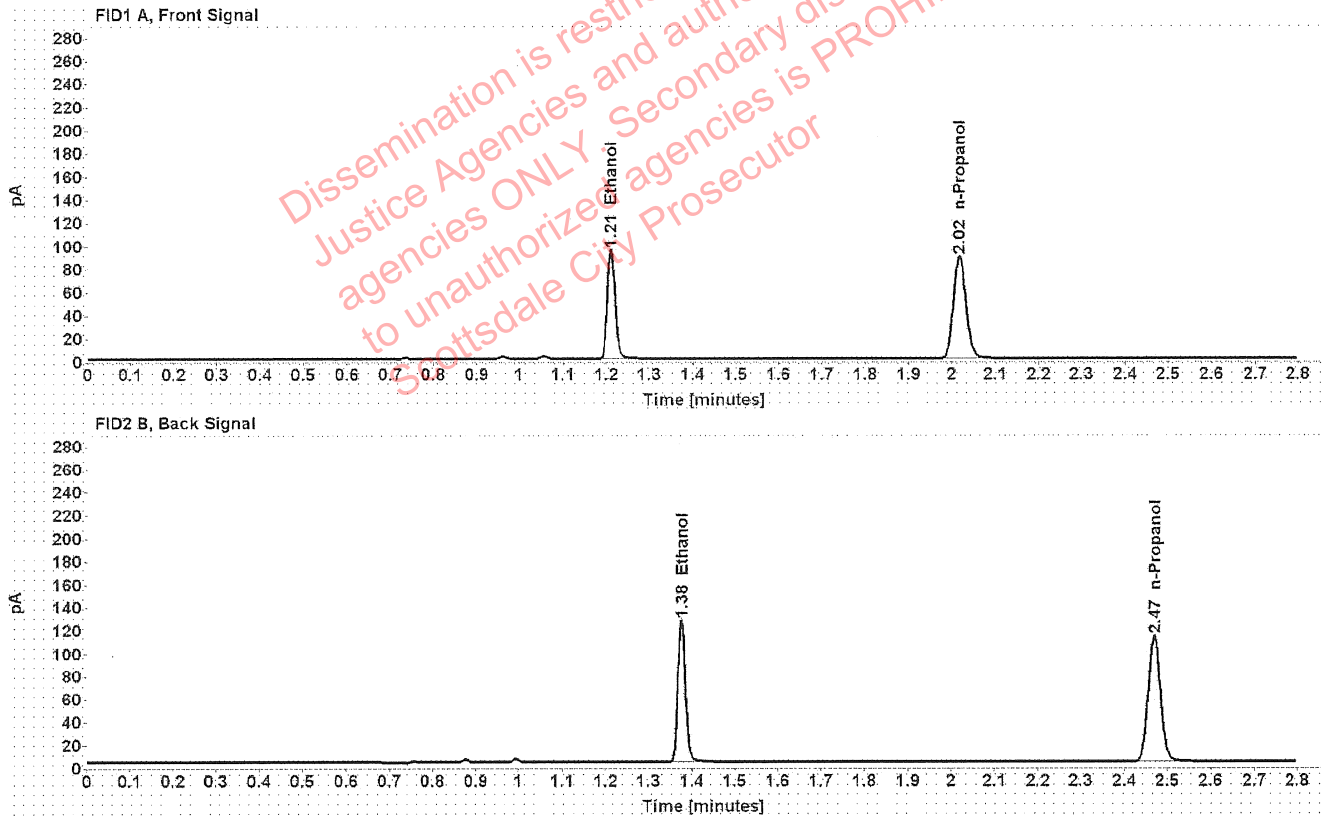


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1862	1.211	121.134
n-Propanol	-----	2.017	176.671

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

Compound	Time (min)	Peak Area
Ethanol	1.376	152.115
n-Propanol	2.469	221.025

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327543	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:25:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\18.D	Analyst:	Canonico

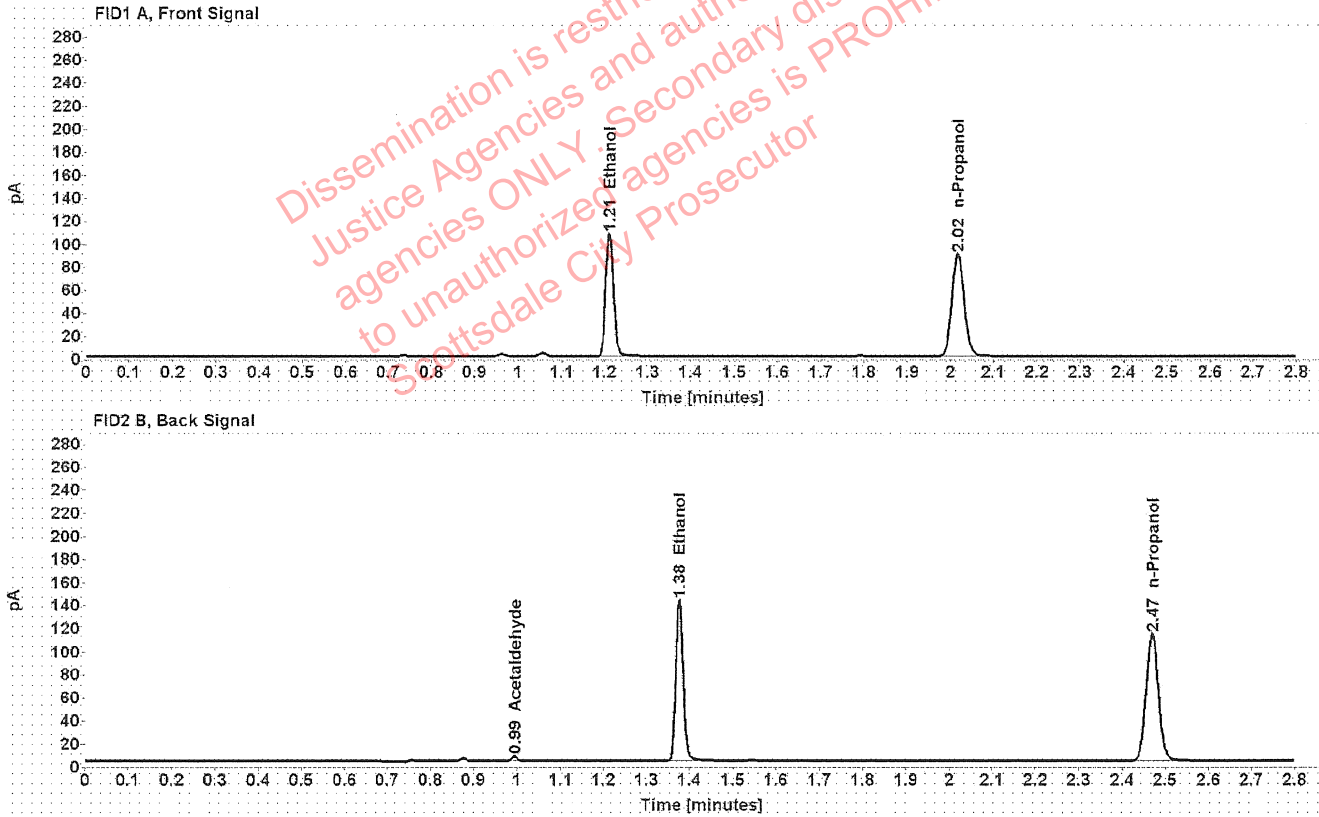


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2085	1.211	136.619
n-Propanol	-----	2.017	177.771

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.870
Ethanol	1.376	171.238
n-Propanol	2.469	222.119

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327543	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:29:52 PM
Data file:	C:\Chem32\1\Data\21Jul20\19.D	Analyst:	Canonico

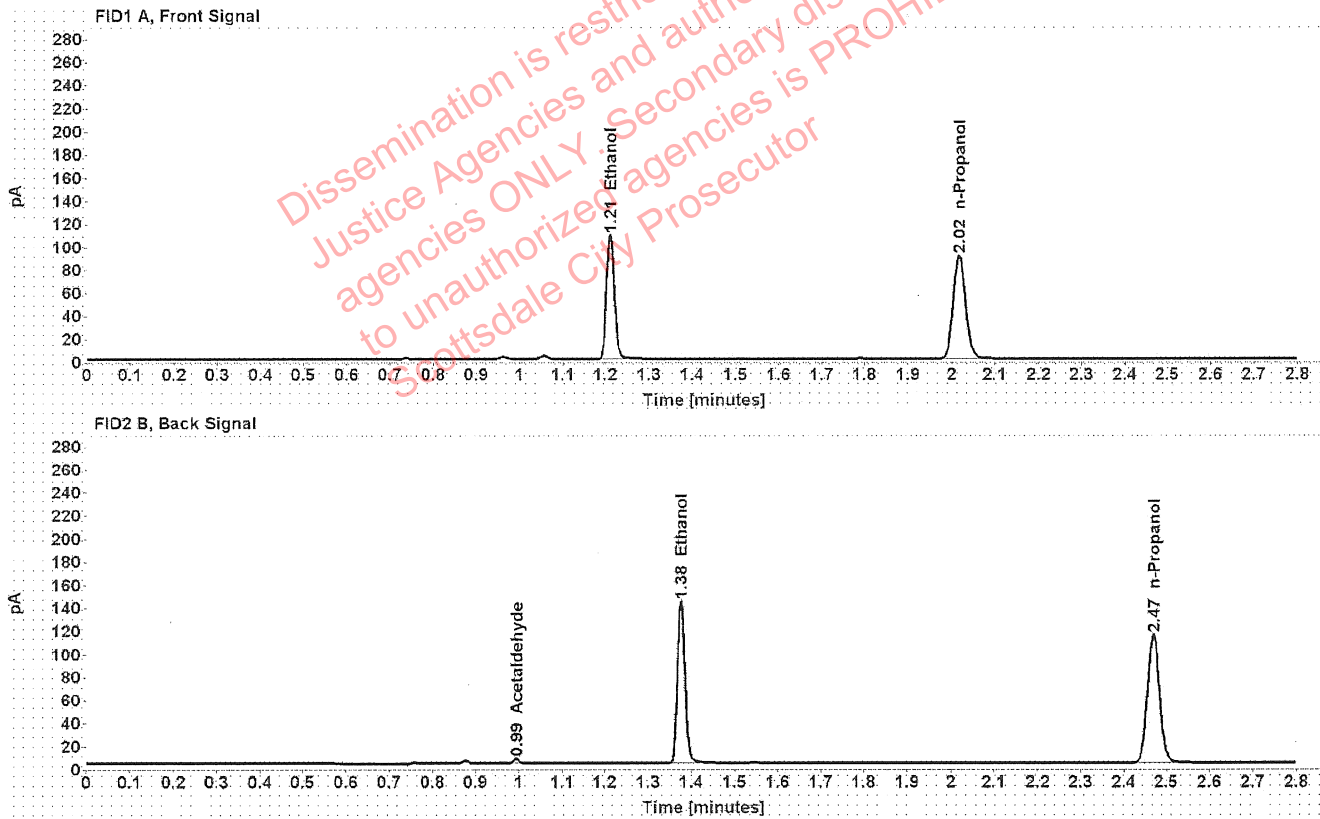


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2089	1.211	137.892
n-Propanol	-----	2.017	179.054

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.844
Ethanol	1.376	172.862
n-Propanol	2.469	223.552

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327654	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:37:52 PM
Data file:	C:\Chem32\1\Data\21Jul20\21.D	Analyst:	Canonico

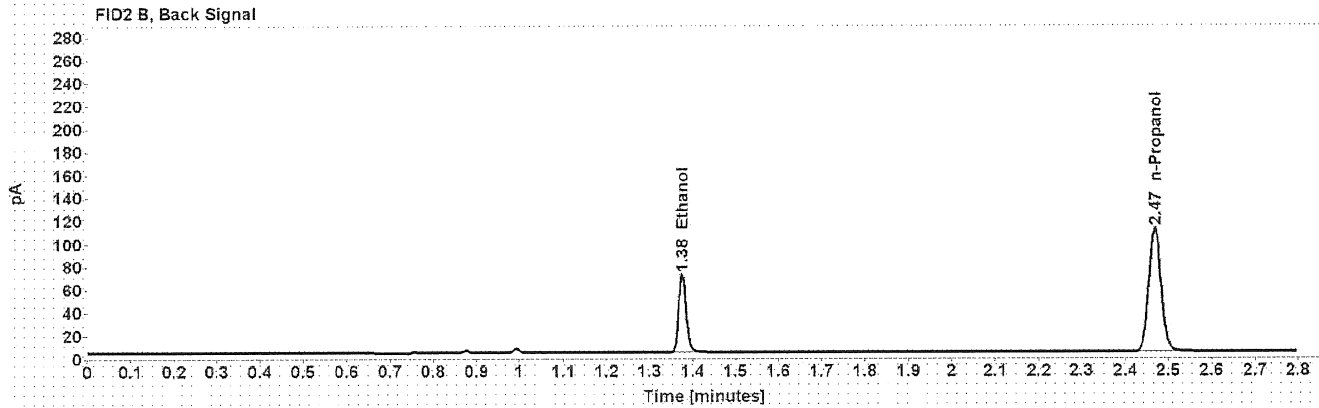
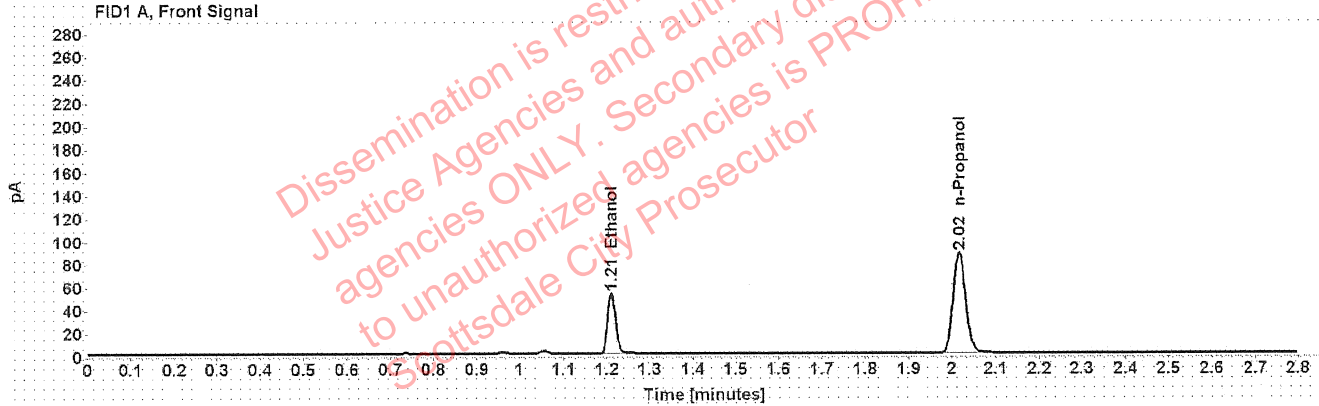


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1058	1.211	67.268
n-Propanol	-----	2.016	173.883

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

Compound	Time (min)	Peak Area
Ethanol	1.375	84.319
n-Propanol	2.468	217.632

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327654	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:41:52 PM
Data file:	C:\Chem32\1\Data\21Jul20\22.D	Analyst:	Canonico

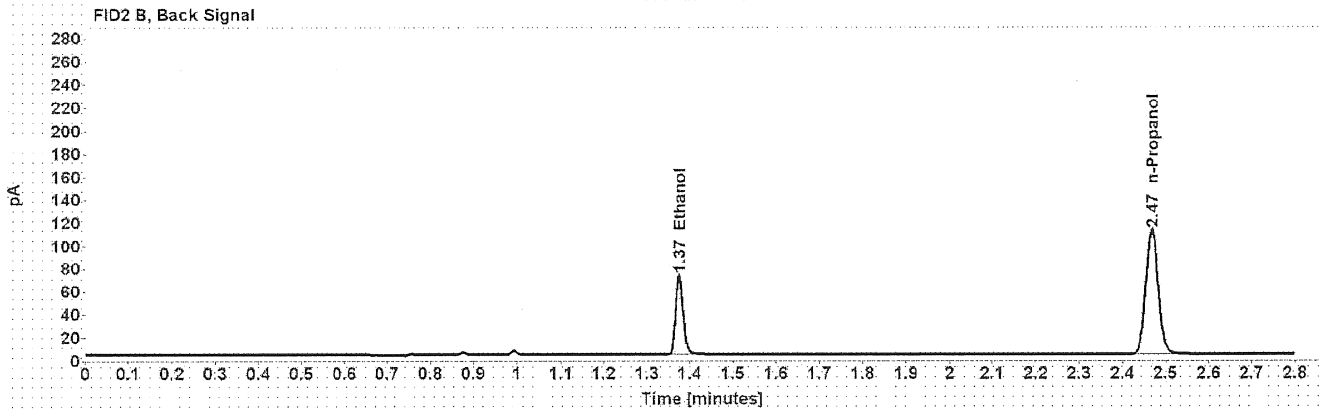
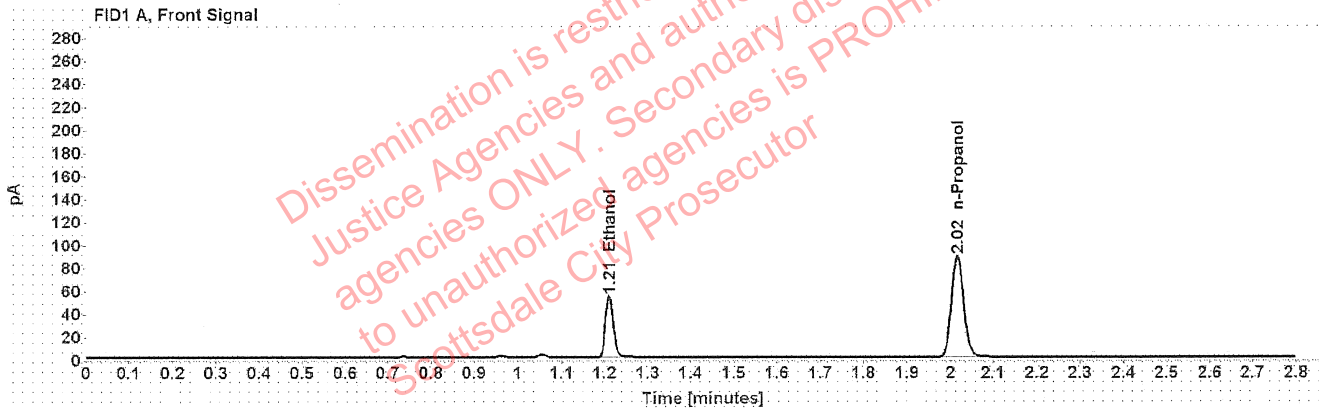


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1060	1.211	67.992
n-Propanol	-----	2.016	175.407

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

Compound	Time (min)	Peak Area
Ethanol	1.375	85.157
n-Propanol	2.468	219.554



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1326676	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:45:53 PM
Data file:	C:\Chem32\1\Data\21Jul20\23.D	Analyst:	Canonico

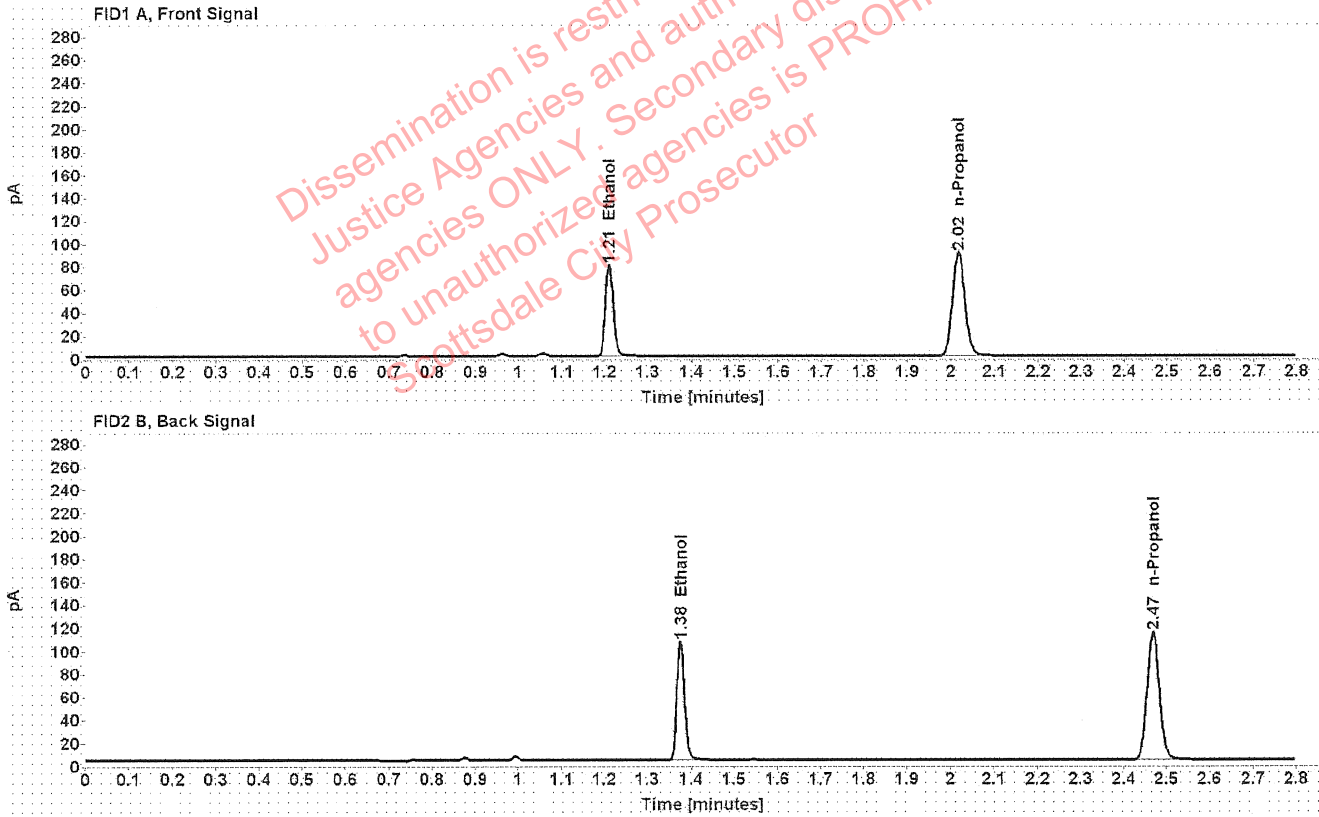


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1544	1.211	101.254
n-Propanol	-----	2.017	178.447

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

Compound	Time (min)	Peak Area
Ethanol	1.376	127.025
n-Propanol	2.469	223.371

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1326676	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:49:52 PM
Data file:	C:\Chem32\1\Data\21Jul20\24.D	Analyst:	Canonico

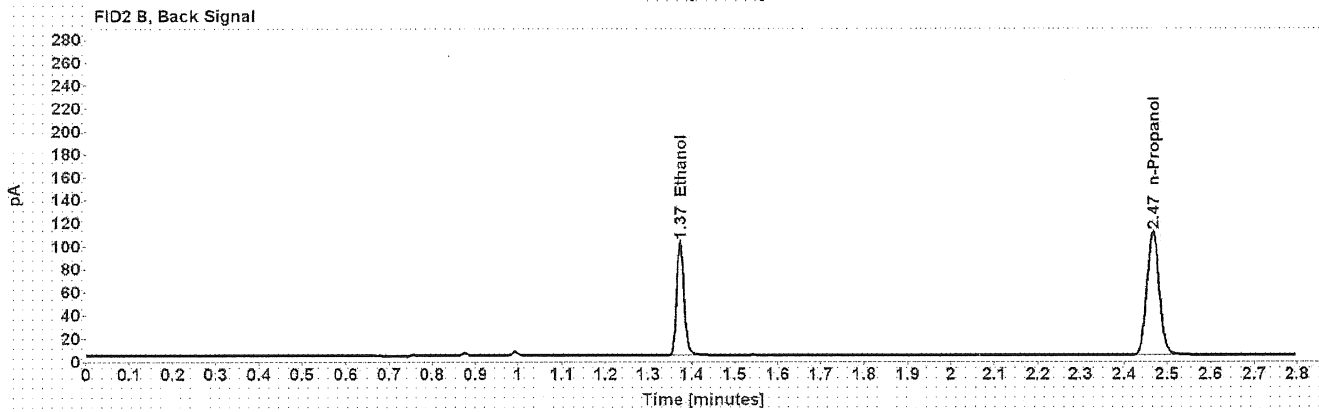
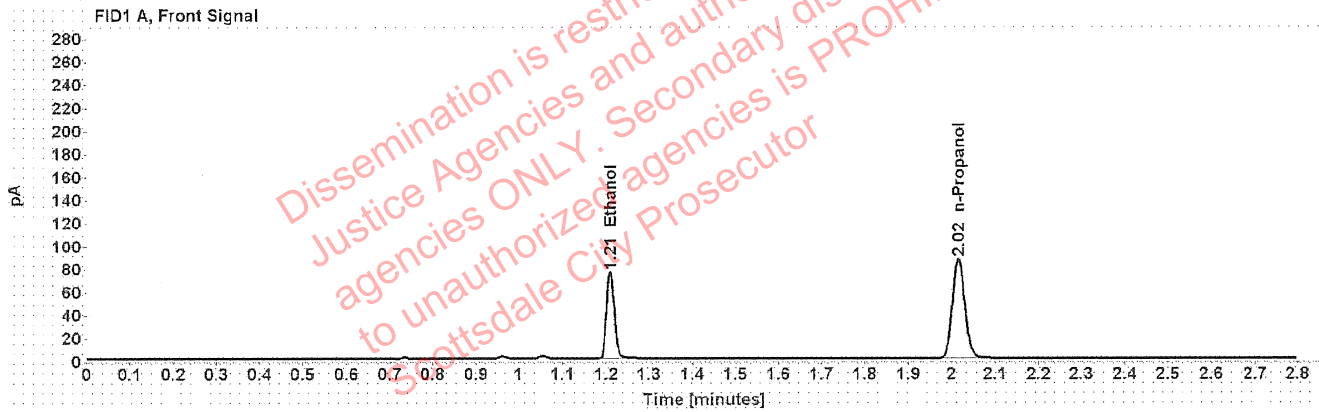


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1522	1.209	96.687
n-Propanol	-----	2.015	172.824

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

Compound	Time (min)	Peak Area
Ethanol	1.373	121.358
n-Propanol	2.466	216.234

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329699	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:54:07 PM
Data file:	C:\Chem32\1\Data\21Jul20\25.D	Analyst:	Canonico

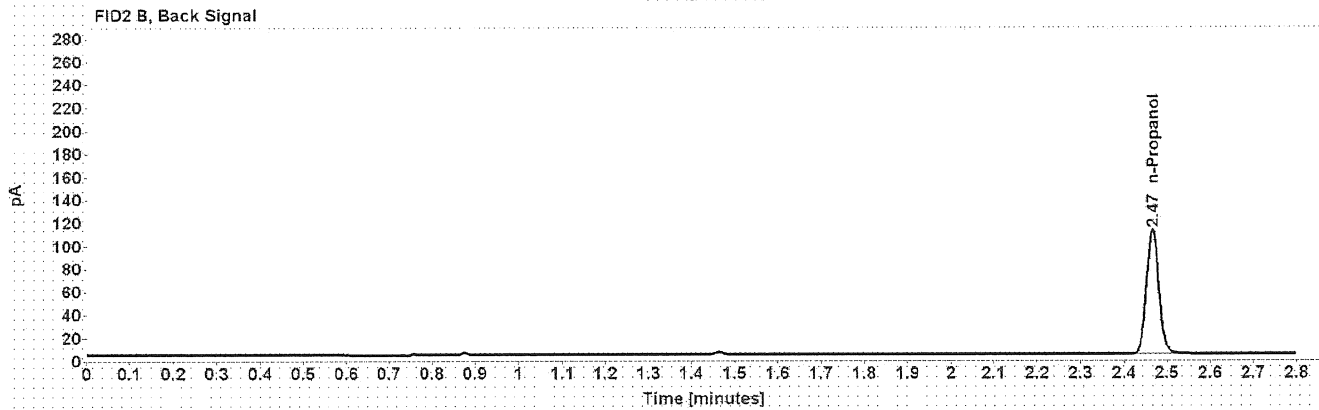
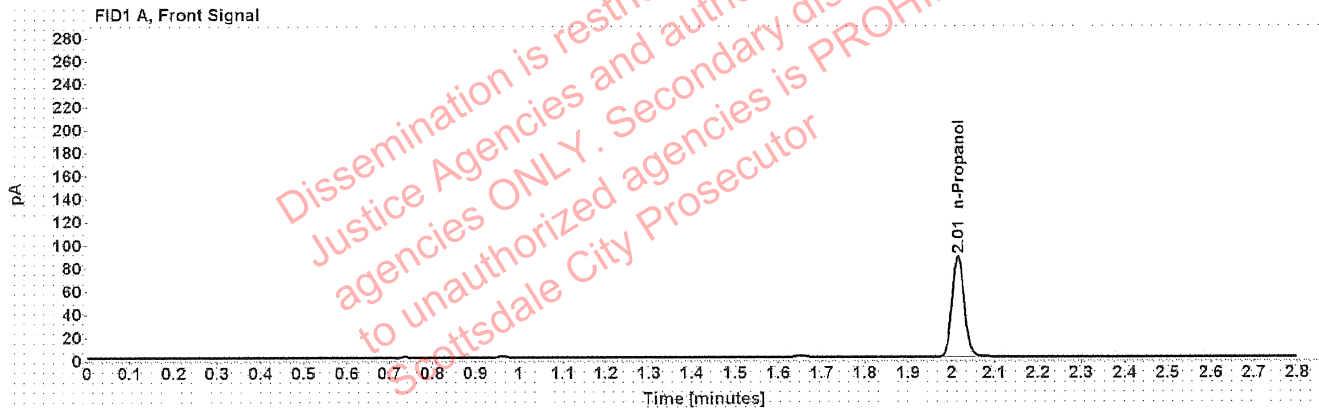


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	174.847

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	218.859

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329699	Vial:	26
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 1:58:07 PM
Data file:	C:\Chem32\1\Data\21Jul20\26.D	Analyst:	Canonico

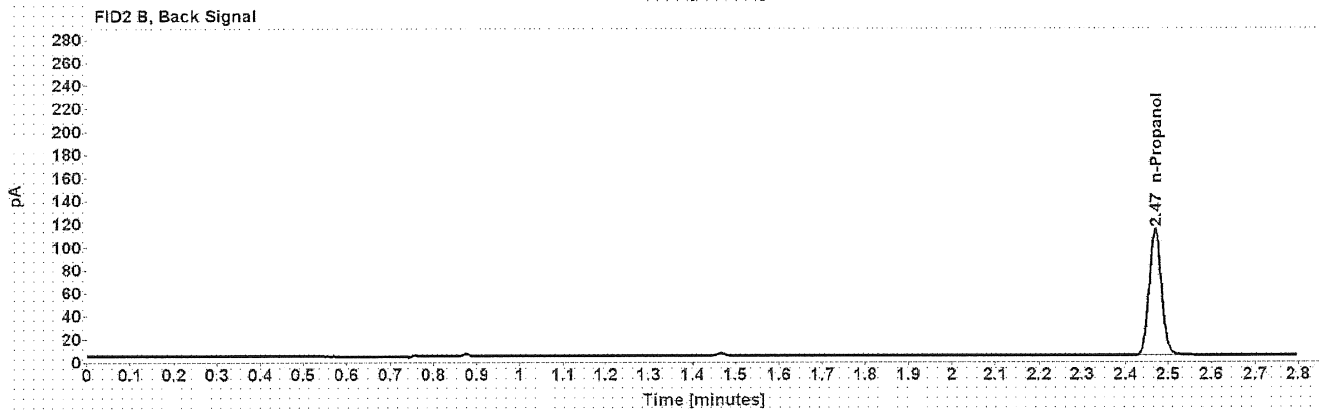
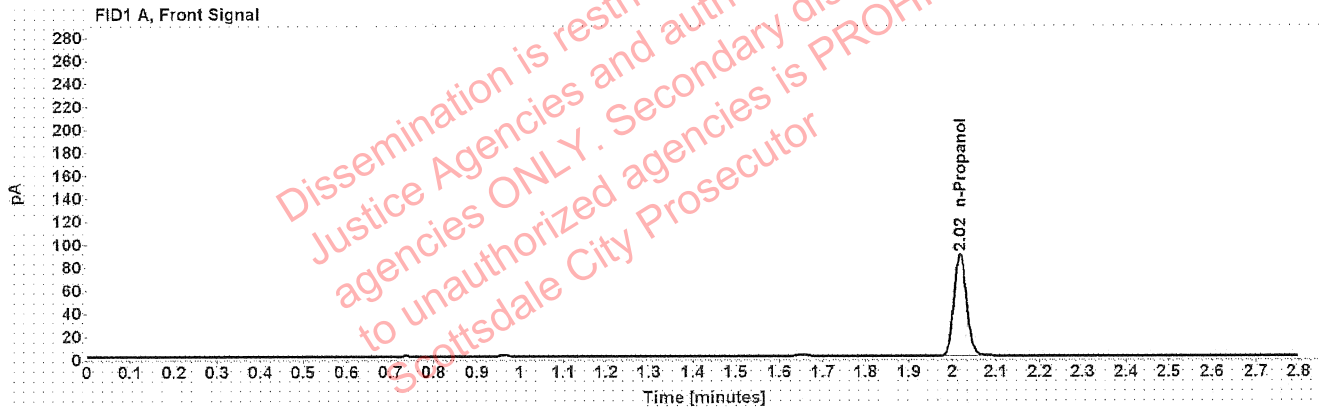


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	177.471

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	222.069

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329054	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:02:07 PM
Data file:	C:\Chem32\1\Data\21Jul20\27.D	Analyst:	Canonico

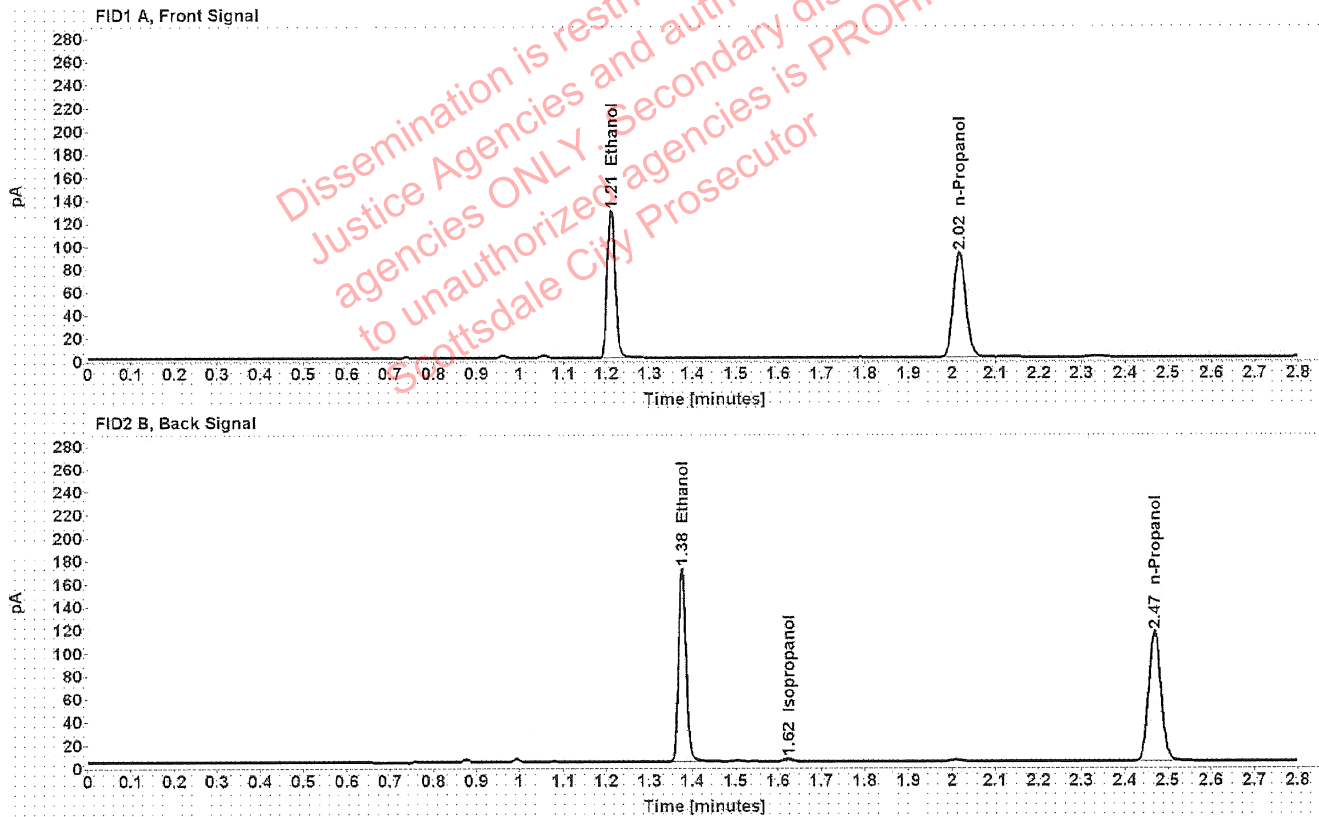


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2433	1.211	164.423
n-Propanol	-----	2.017	183.102

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

Compound	Time (min)	Peak Area
Ethanol	1.376	207.040
Isopropanol	1.623	3.967
n-Propanol	2.469	227.980

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329054	Vial:	28
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:06:07 PM
Data file:	C:\Chem32\1\Data\21Jul20\28.D	Analyst:	Canonico

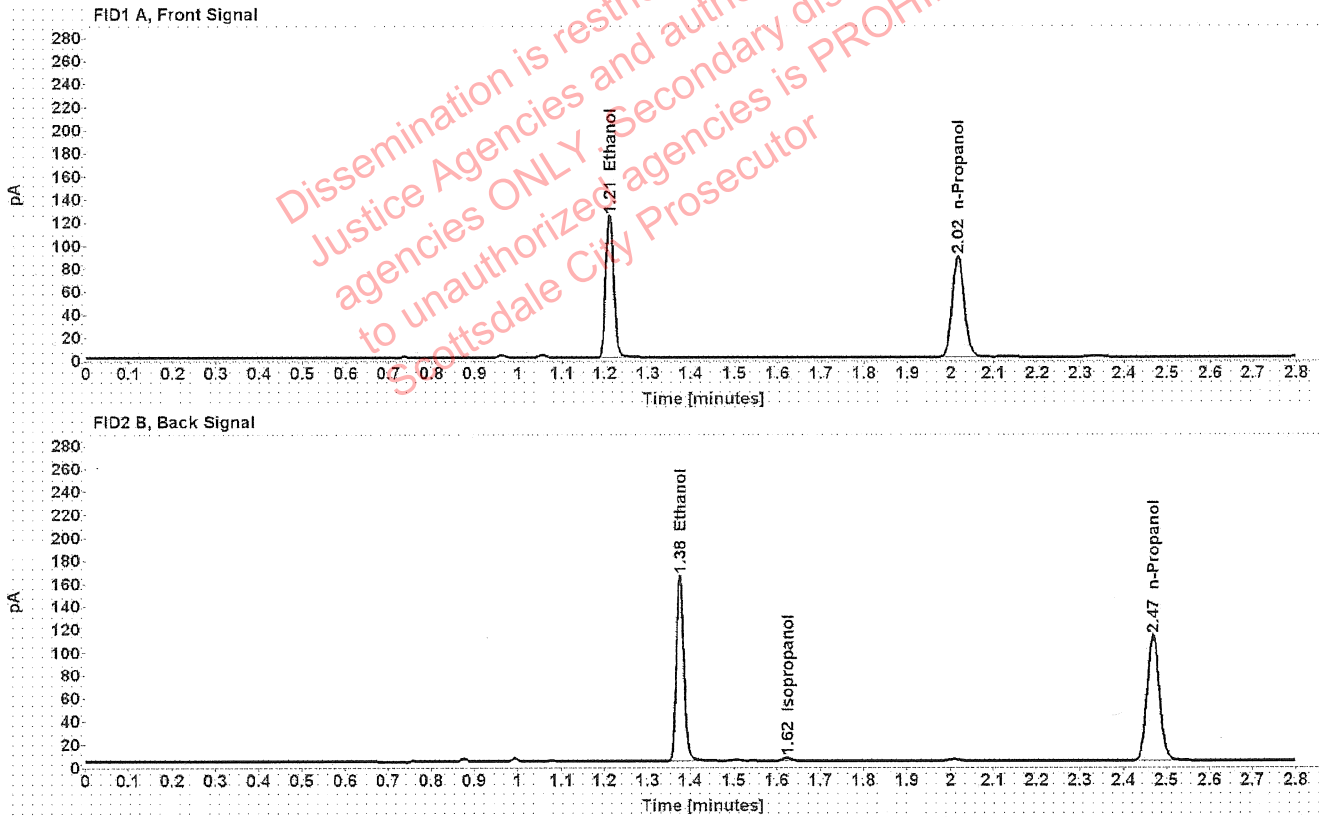


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2421	1.211	158.220
n-Propanol	-----	2.017	177.086

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

Compound	Time (min)	Peak Area
Ethanol	1.376	200.534
Isopropanol	1.623	4.237
n-Propanol	2.469	220.212

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329262	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:10:08 PM
Data file:	C:\Chem32\1\Data\21Jul20\29.D	Analyst:	Canonico

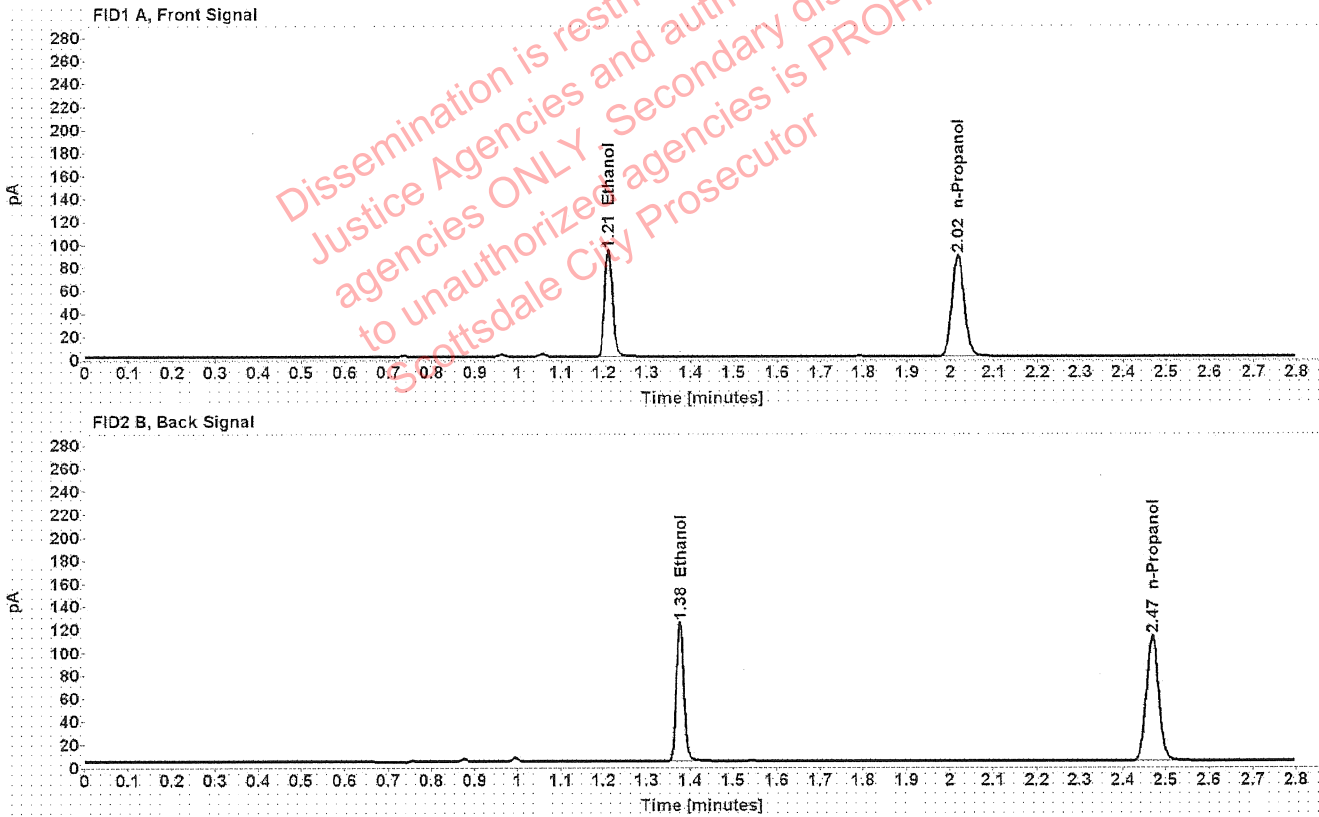


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1837	1.211	118.884
n-Propanol	-----	2.017	175.789

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

Compound	Time (min)	Peak Area
Ethanol	1.376	149.463
n-Propanol	2.469	219.612

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329262	Vial:	30
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:14:08 PM
Data file:	C:\Chem32\1\Data\21Jul20\30.D	Analyst:	Canonico

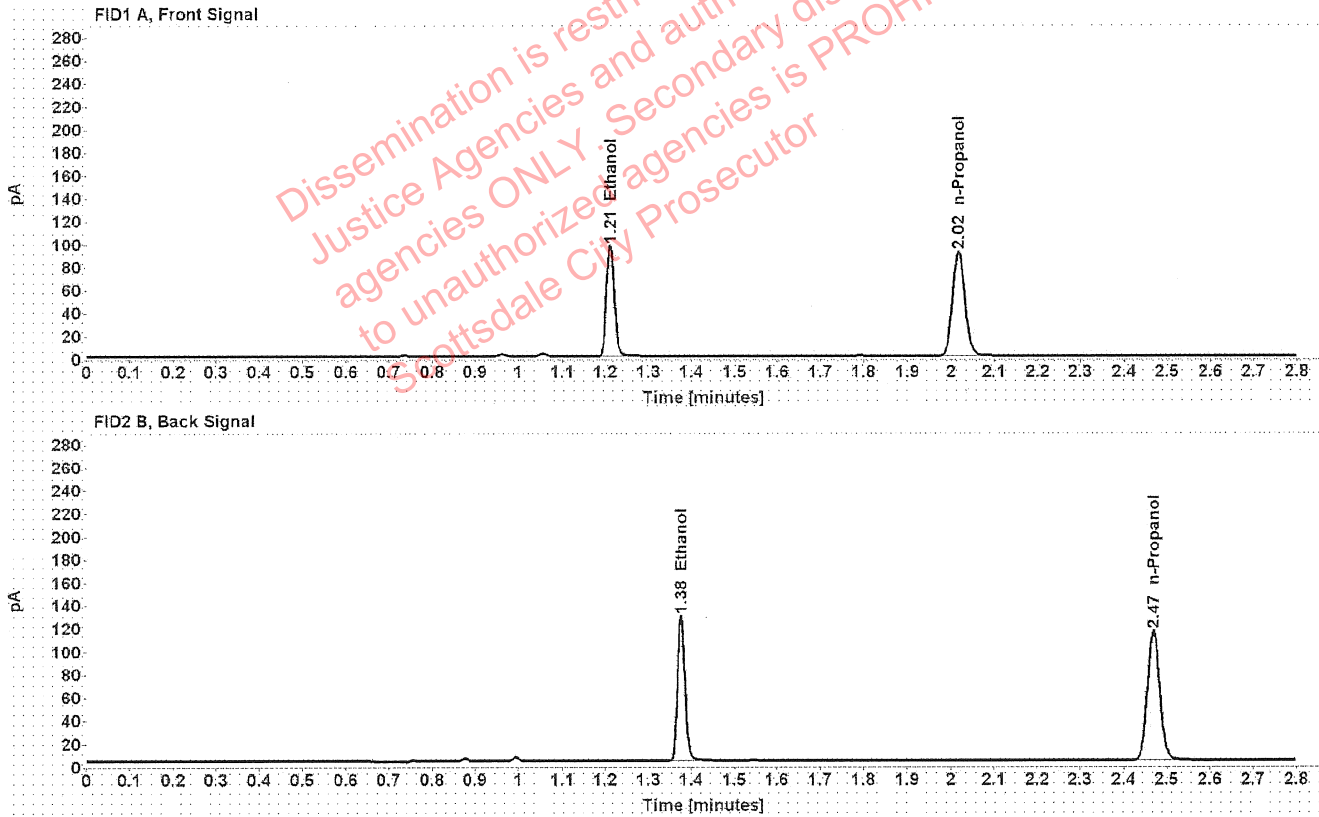


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1856	1.211	123.977
n-Propanol	-----	2.017	181.382

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

Compound	Time (min)	Peak Area
Ethanol	1.376	155.316
n-Propanol	2.469	226.778



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329266	Vial:	32
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:22:22 PM
Data file:	C:\Chem32\1\Data\21Jul20\32.D	Analyst:	Canonico

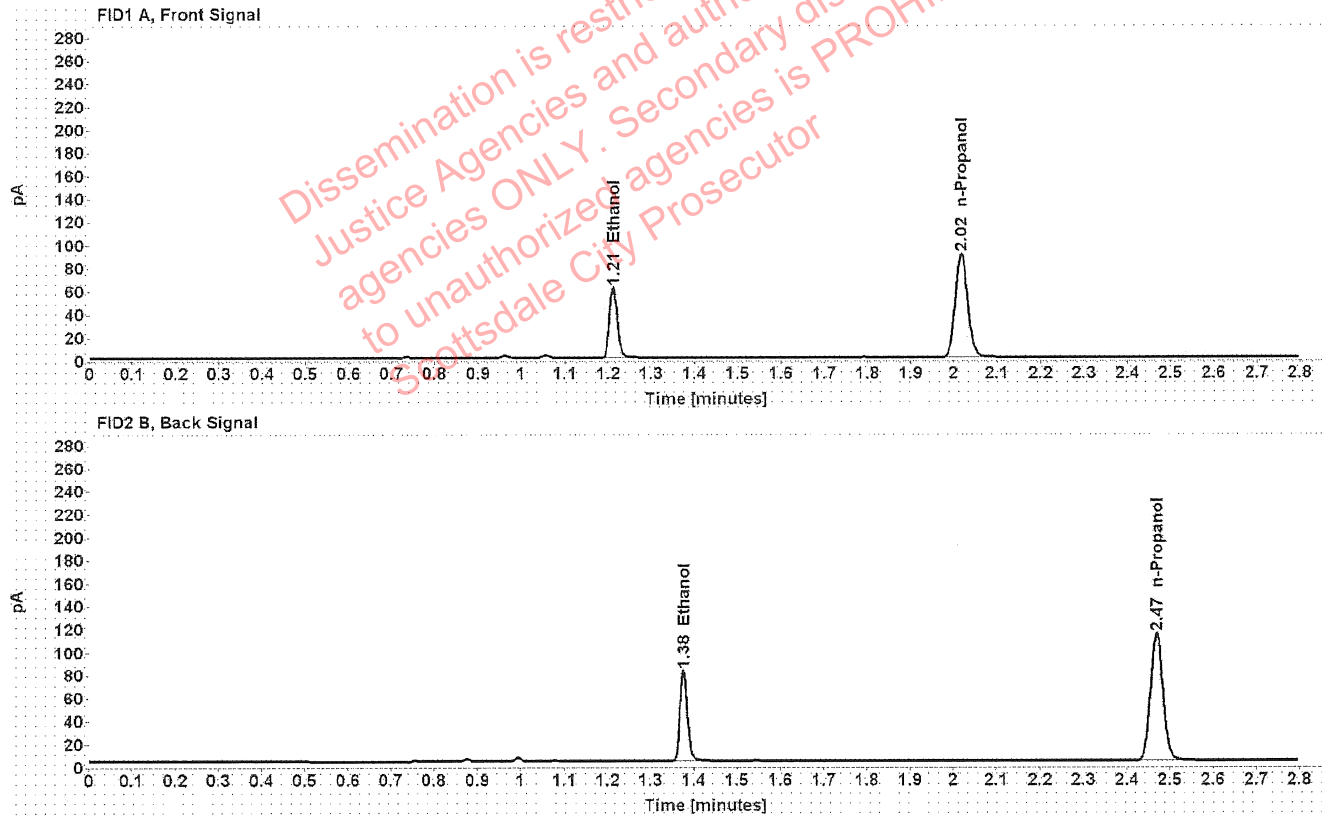


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1183	1.211	77.779
n-Propanol	-----	2.017	179.464

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

Compound	Time (min)	Peak Area
Ethanol	1.376	97.273
n-Propanol	2.469	224.165

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329266	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:26:23 PM
Data file:	C:\Chem32\1\Data\21Jul20\33.D	Analyst:	Canonico

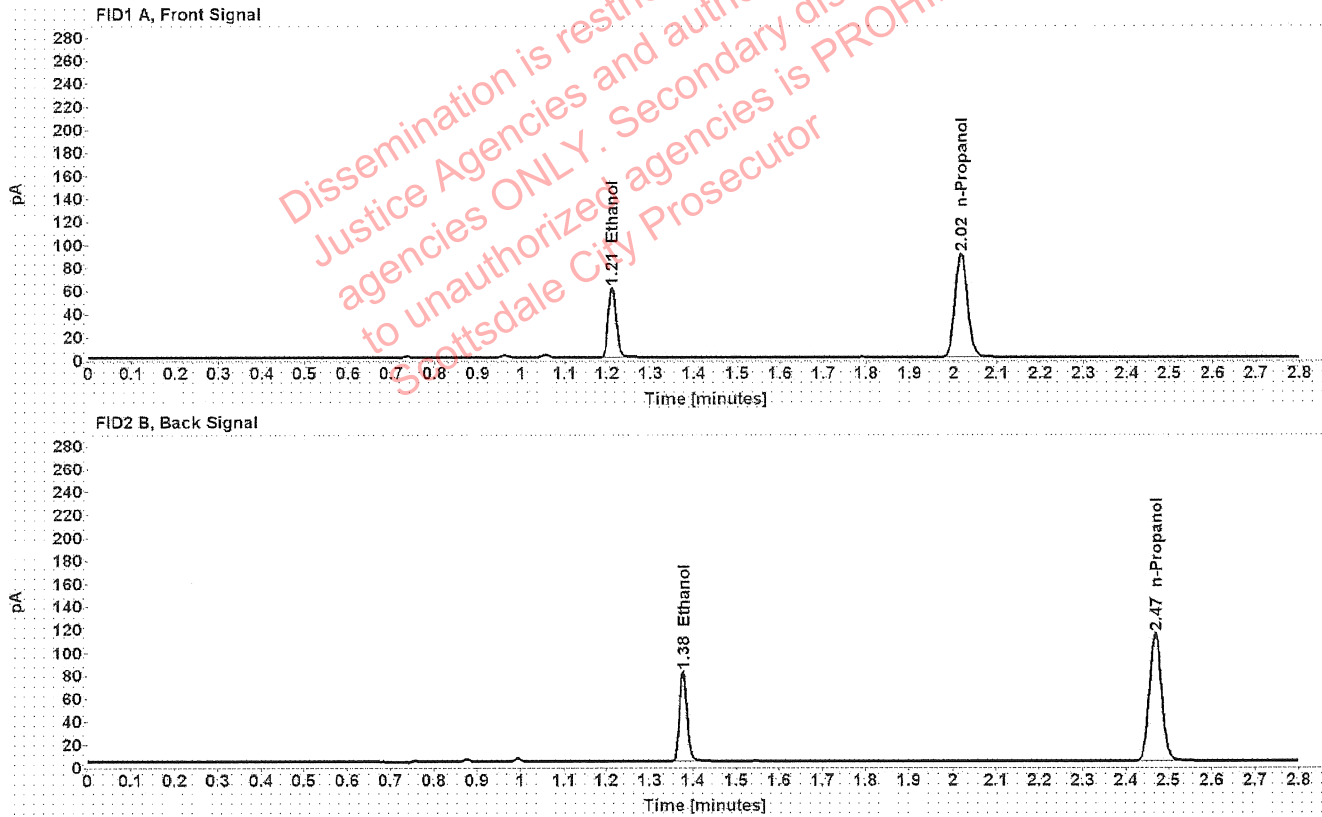


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1176	1.211	77.327
n-Propanol	-----	2.017	179.427

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

Compound	Time (min)	Peak Area
Ethanol	1.376	96.913
n-Propanol	2.469	224.199

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329436	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:30:23 PM
Data file:	C:\Chem32\1\Data\21Jul20\34.D	Analyst:	Canonico

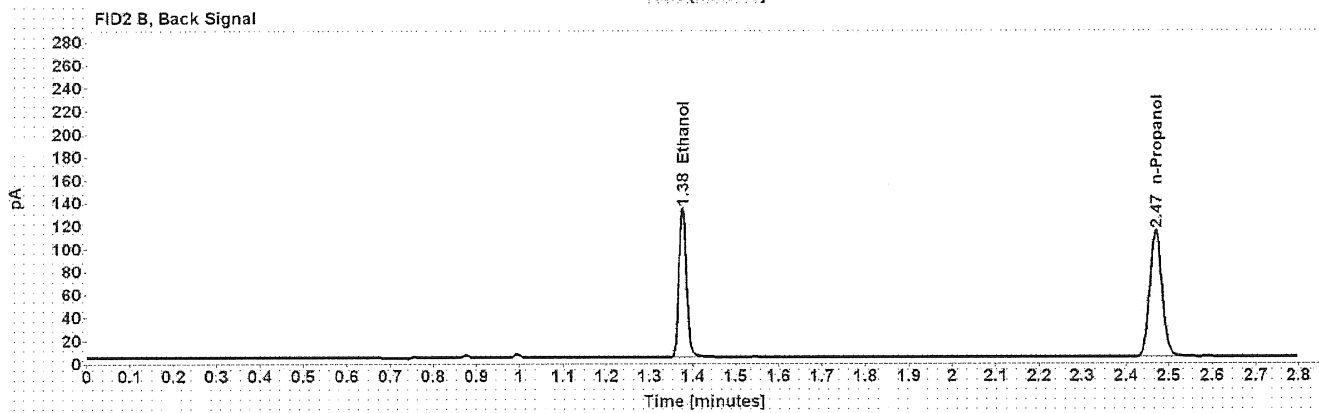
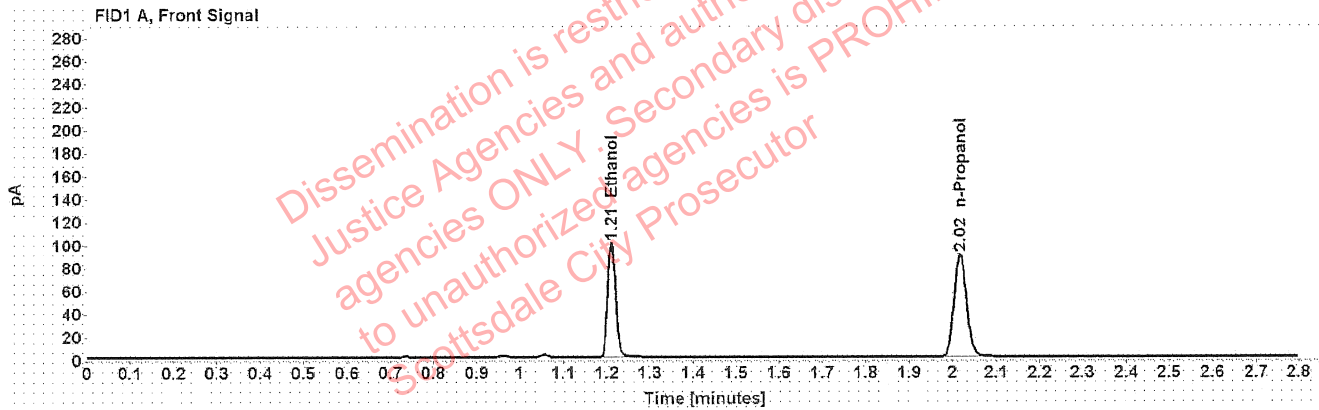


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1949	1.211	127.855
n-Propanol	-----	2.017	178.064

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

Compound	Time (min)	Peak Area
Ethanol	1.376	160.784
n-Propanol	2.469	221.973

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329436	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:34:22 PM
Data file:	C:\Chem32\1\Data\21Jul20\35.D	Analyst:	Canonico

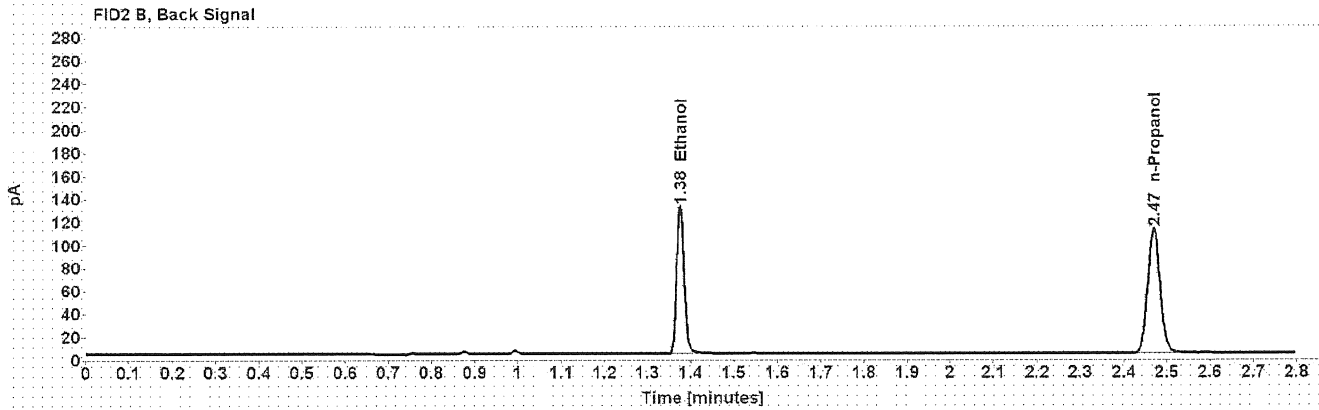
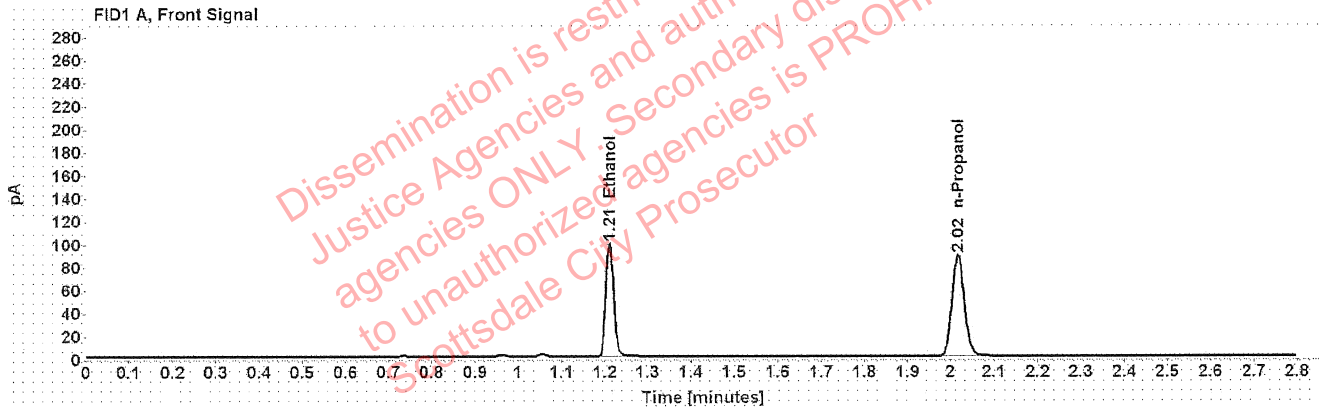


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1952	1.211	126.291
n-Propanol	-----	2.017	175.575

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

Compound	Time (min)	Peak Area
Ethanol	1.376	159.061
n-Propanol	2.469	220.425

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329433	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:38:22 PM
Data file:	C:\Chem32\1\Data\21Jul20\36.D	Analyst:	Canonico

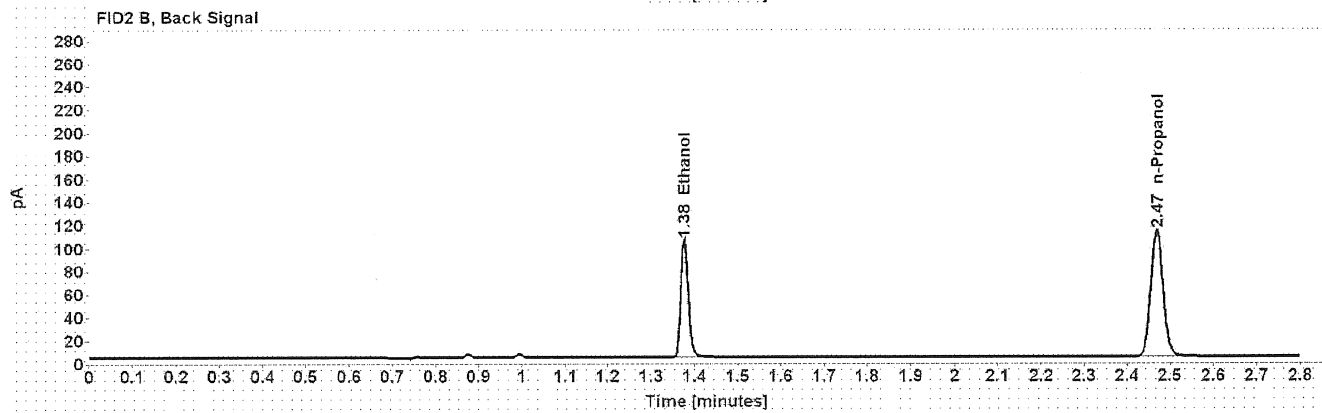
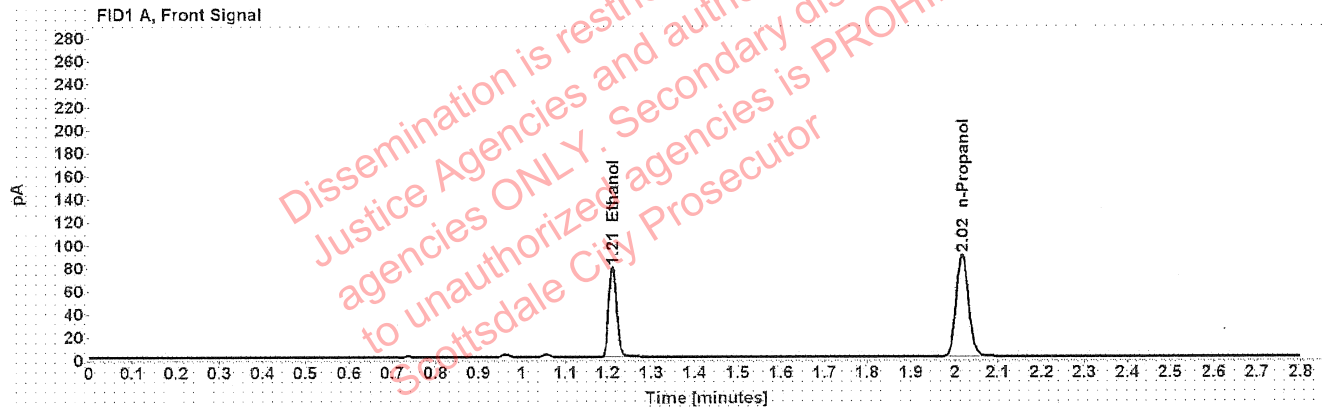


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1542	1.211	100.515
n-Propanol	-----	2.017	177.364

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

Compound	Time (min)	Peak Area
Ethanol	1.376	125.751
n-Propanol	2.469	221.787

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329433	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:42:38 PM
Data file:	C:\Chem32\1\Data\21Jul20\37.D	Analyst:	Canonico

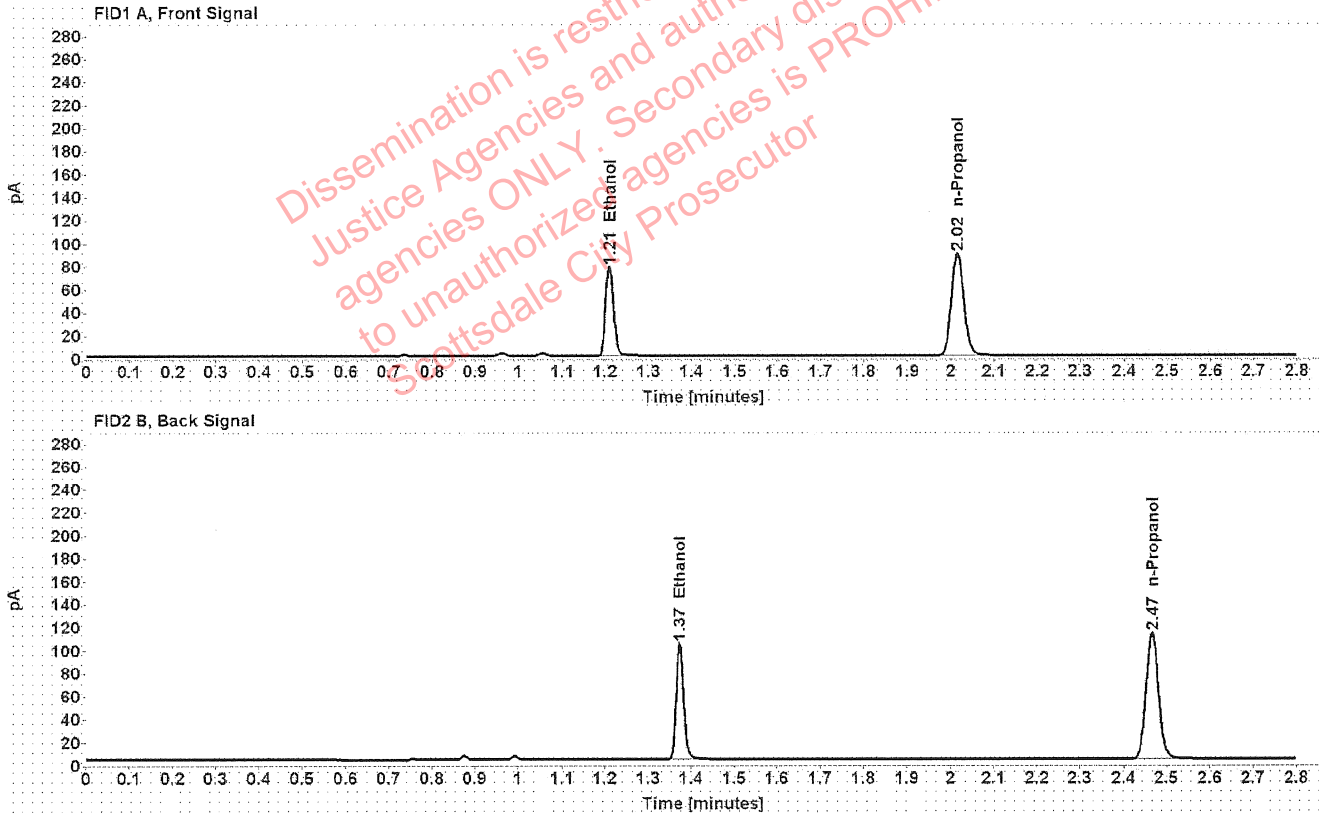


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1527	1.209	99.328
n-Propanol	-----	2.015	176.926

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

Compound	Time (min)	Peak Area
Ethanol	1.373	124.342
n-Propanol	2.467	221.040

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327105	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:46:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\38.D	Analyst:	Canonico

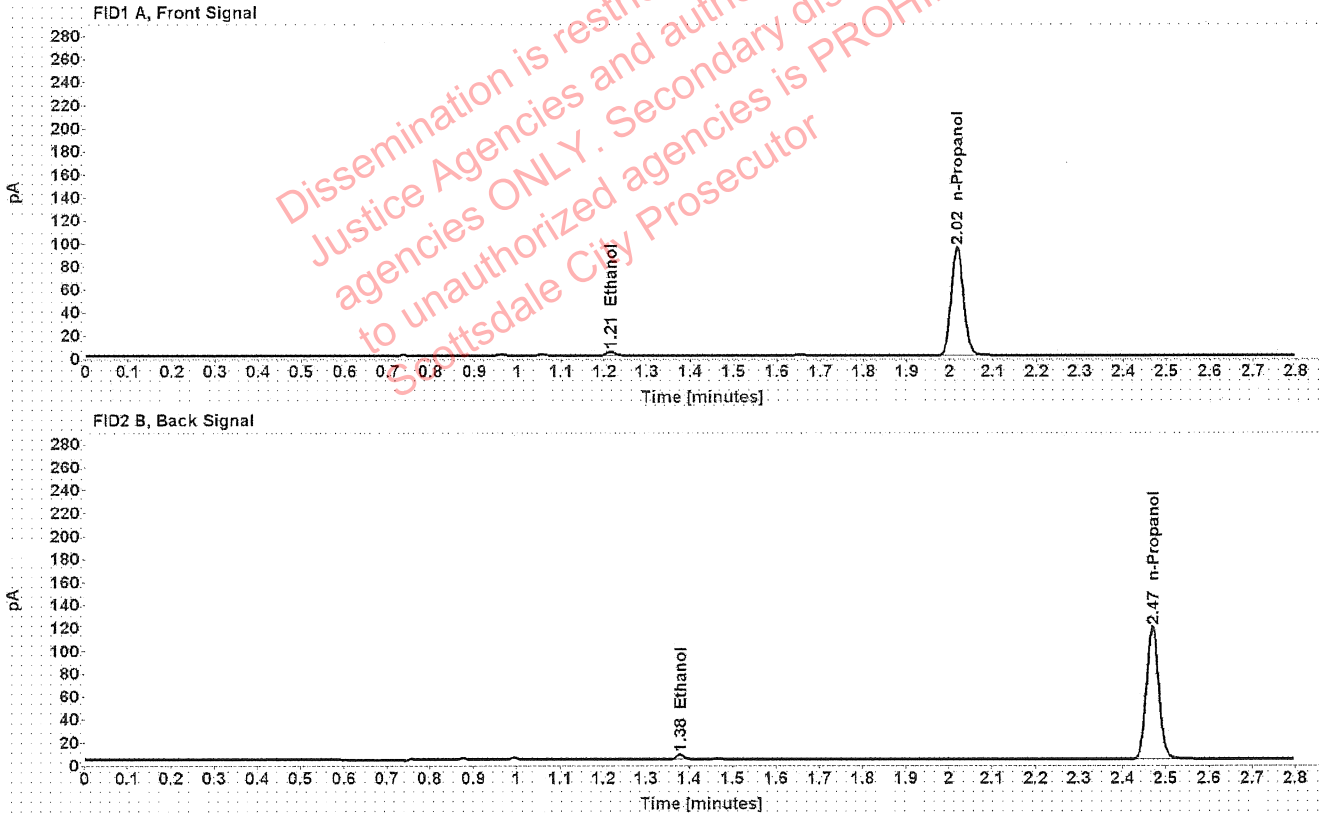


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0080	1.215	4.425
n-Propanol	-----	2.017	187.415

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

Compound	Time (min)	Peak Area
Ethanol	1.379	5.642
n-Propanol	2.469	234.610

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327105	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:50:38 PM
Data file:	C:\Chem32\1\Data\21Jul20\39.D	Analyst:	Canonico

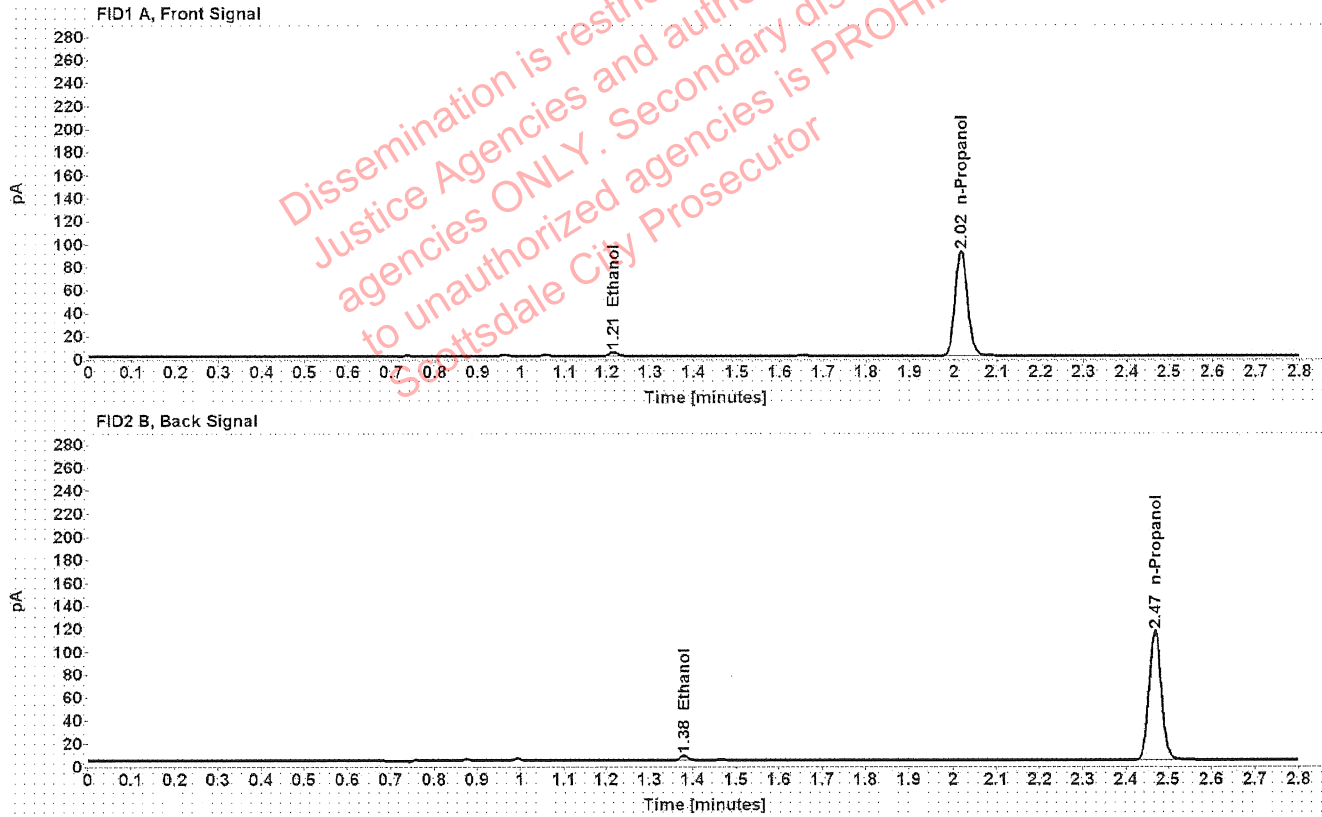


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0080	1.215	4.303
n-Propanol	-----	2.017	182.754

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

Compound	Time (min)	Peak Area
Ethanol	1.379	5.483
n-Propanol	2.469	228.564



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1326940	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:54:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\40.D	Analyst:	Canonico

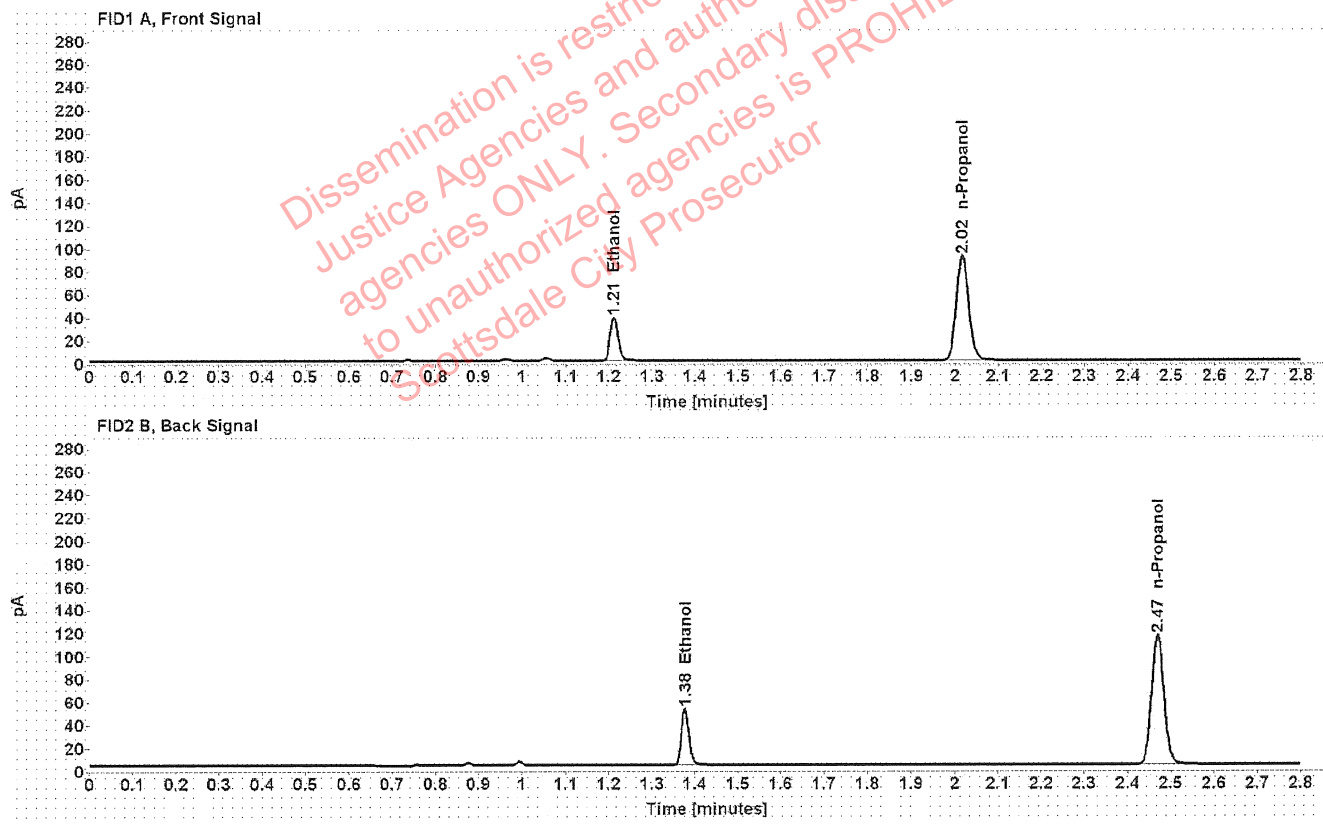


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0739	1.212	48.792
n-Propanol	-----	2.017	181.826

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

Compound	Time (min)	Peak Area
Ethanol	1.377	61.491
n-Propanol	2.469	227.198

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1326940	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	21Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/21/2020 2:58:37 PM
Data file:	C:\Chem32\1\Data\21Jul20\41.D	Analyst:	Canonico

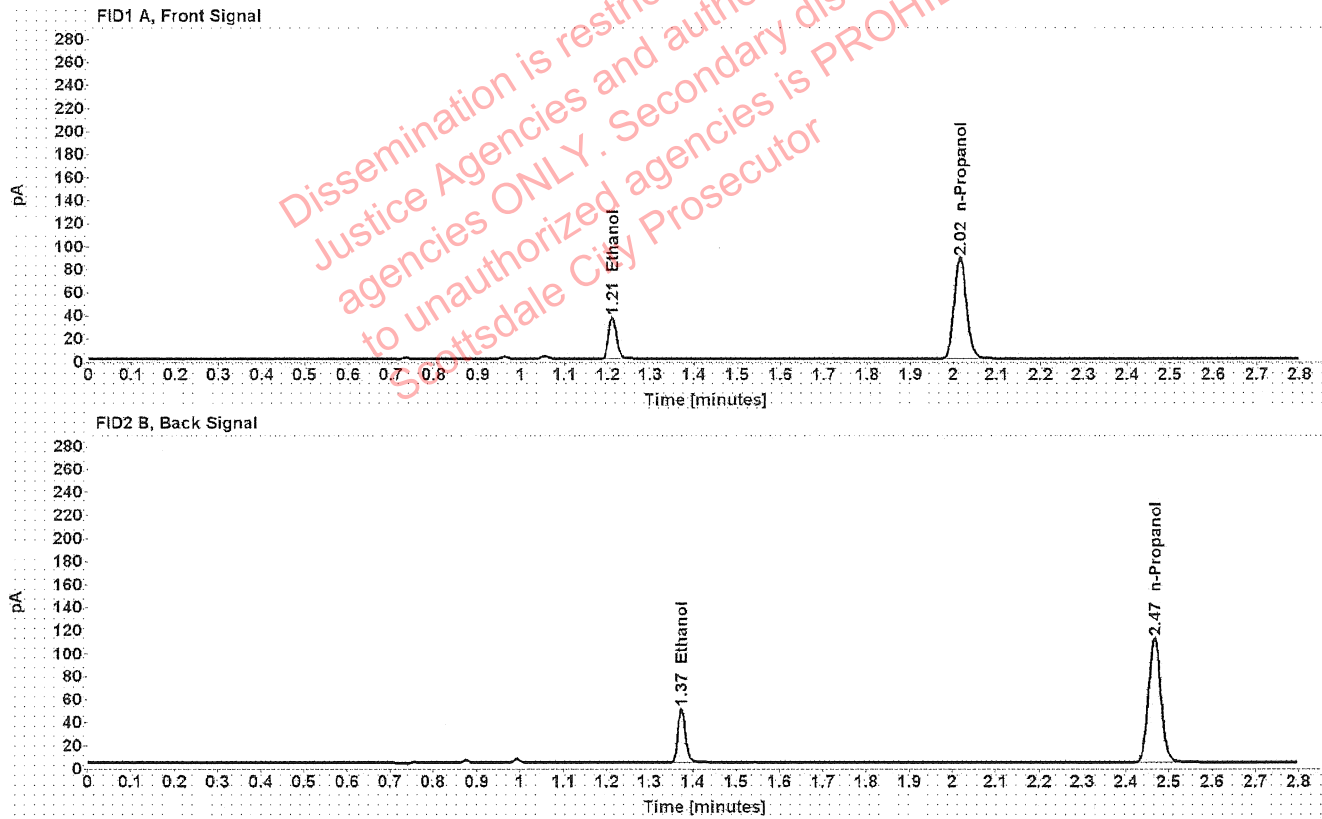


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0726	1.210	46.268
n-Propanol	-----	2.015	175.590

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

Compound	Time (min)	Peak Area
Ethanol	1.374	57.783
n-Propanol	2.467	219.628