

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 06/05/2020 SEQUENCE NAME 05Jun20

**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 0.99991  
 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	0.401 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	0.199 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.042 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.201 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 Canonic  
 Analyst

Run valid   
 Run invalid

[Signature]  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

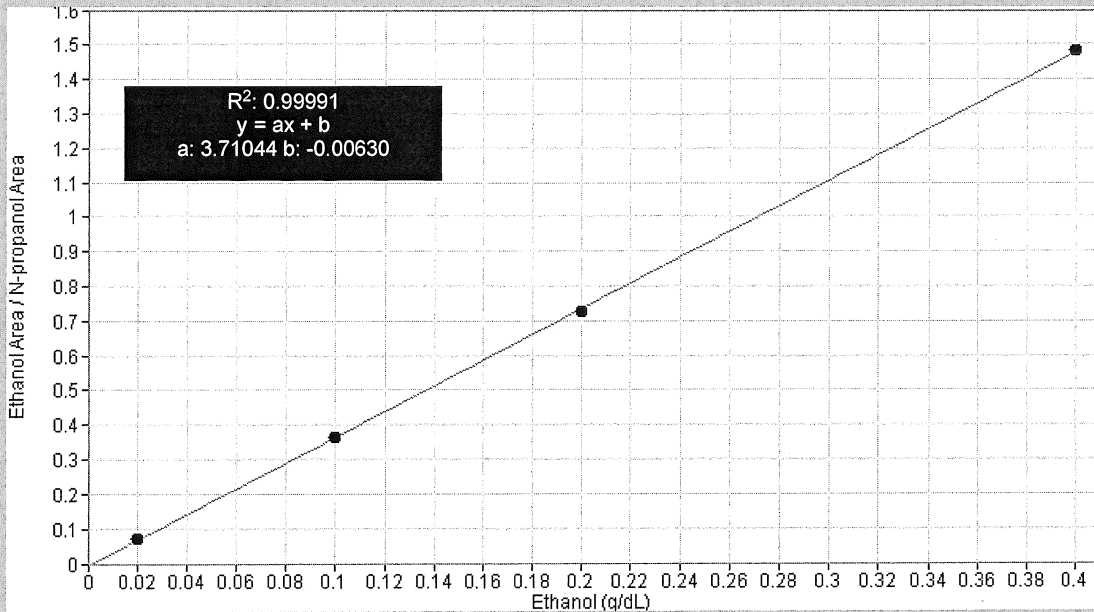
SEQUENCE NAME: 05Jun20

ANALYST: Canonico

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	0.401	0.400	0.25	0.001
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.198 407041529/13	9	0.199	0.198	0.51	0.001
0.080 03102016-A/1	20	0.081	0.080	1.25	0.001
0.080 03102016-A/1	31	0.081	0.080	1.25	0.001
0.400 11092018-A	42	0.402	0.400	0.50	0.002
0.040 14082019-B	43	0.042	0.040	5.00	0.002
0.198 407041529/13	44	0.201	0.198	1.52	0.003
blank 040919VVB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.083	168.759	0.072
0.100	60.002	164.042	0.366
0.200	120.236	165.334	0.727
0.400	246.275	166.209	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> 05Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/5/2020 11:59:13 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <i>EC</i>
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\1.D	

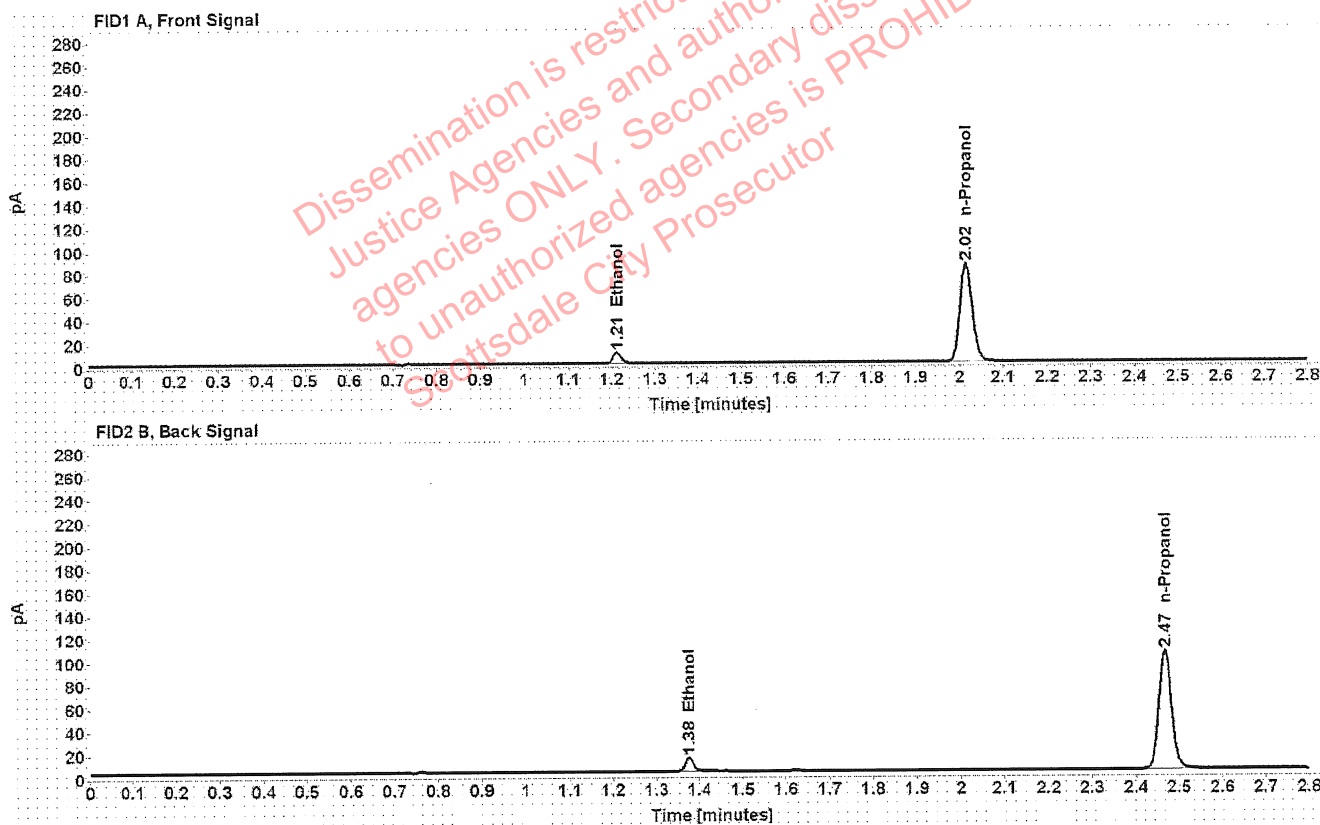


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	12.083
n-Propanol	2.015	168.759

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

Compound	Time (min)	Peak Area
Ethanol	1.376	15.085
n-Propanol	2.467	207.507

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 05Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/5/2020 12:03:12 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <i>EC</i>
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\2.D	

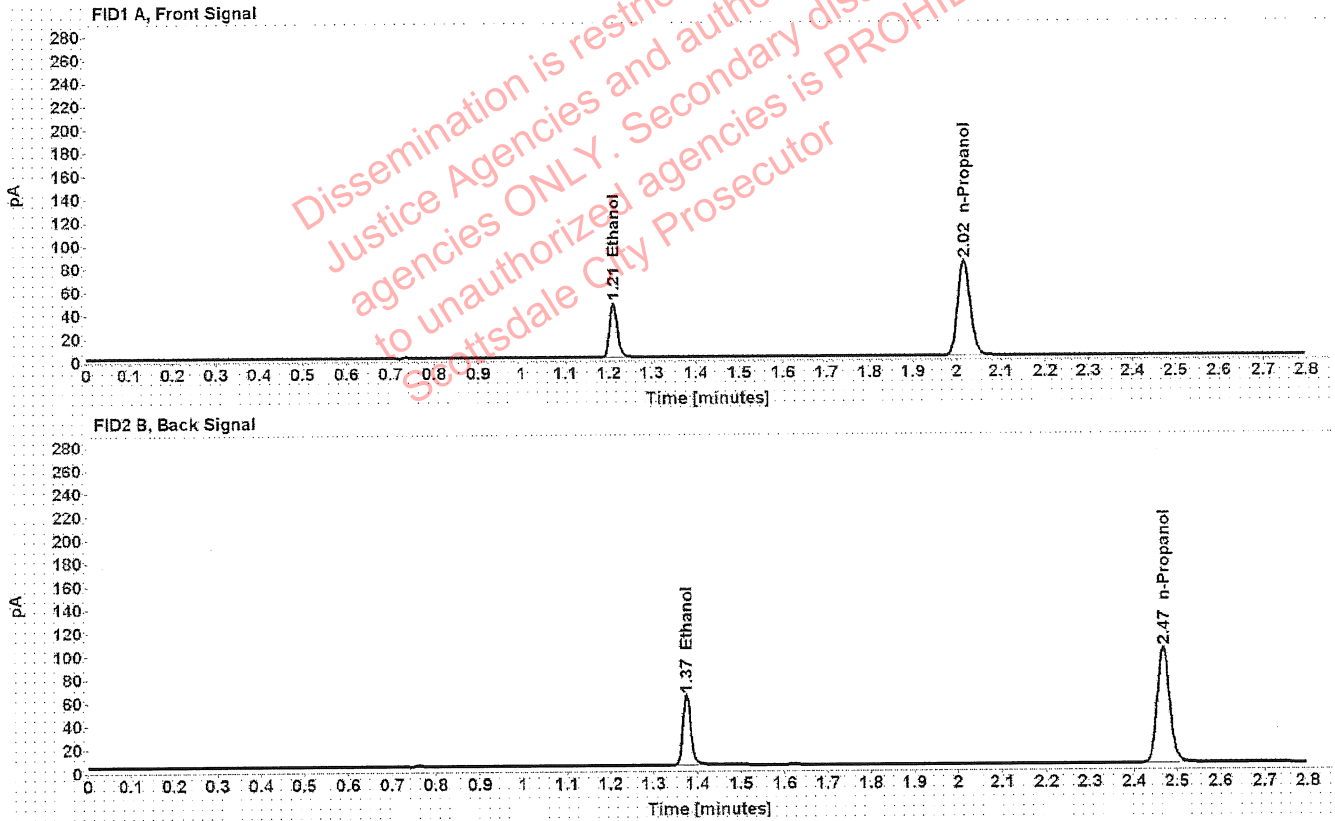


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.002
n-Propanol	2.016	164.042

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

Compound	Time (min)	Peak Area
Ethanol	1.375	74.862
n-Propanol	2.468	201.846



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 05Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/5/2020 12:07:13 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <i>EC</i>
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\3.D	

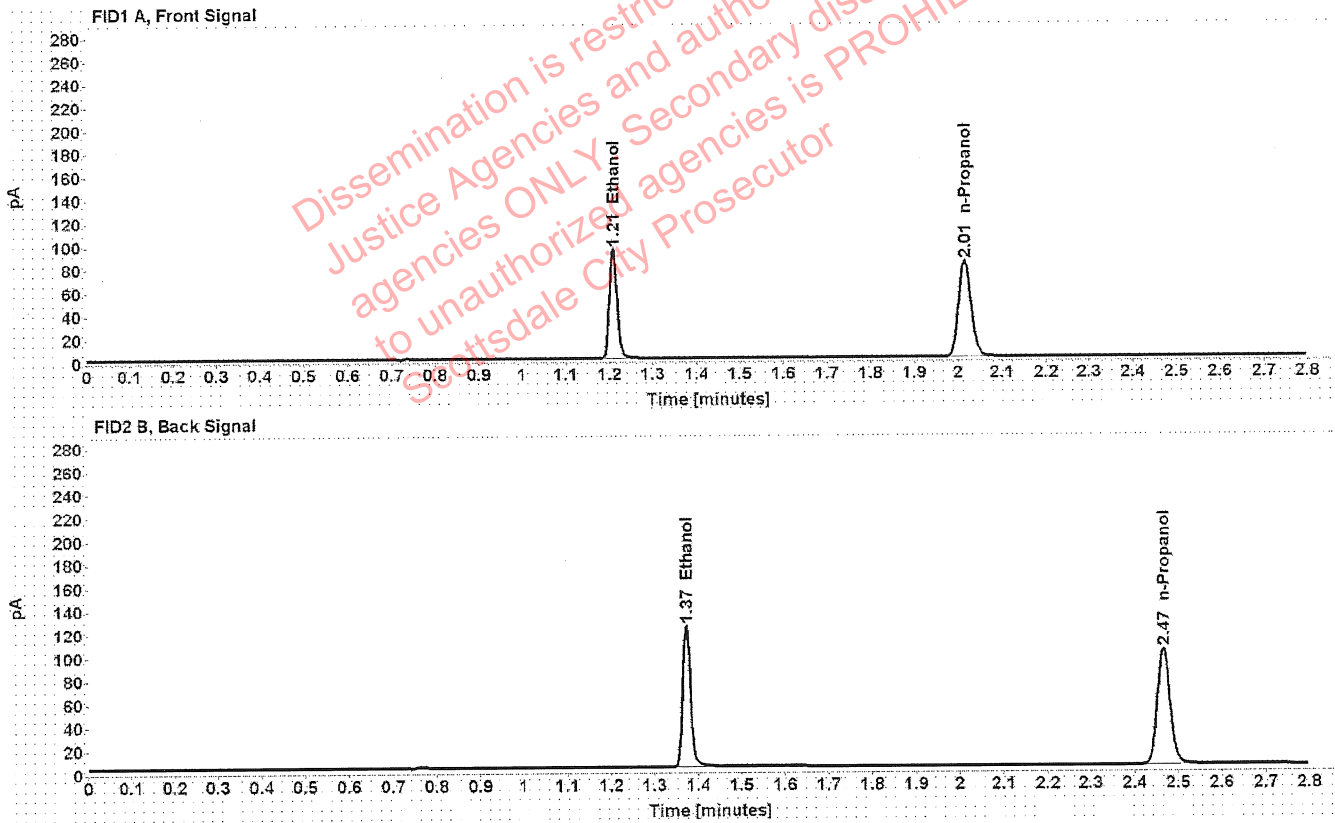


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.236
n-Propanol	2.015	165.334

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

Compound	Time (min)	Peak Area
Ethanol	1.373	151.035
n-Propanol	2.466	203.582

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 05Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/5/2020 12:11:12 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <span style="float: right;">EC</span>
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\4.D	

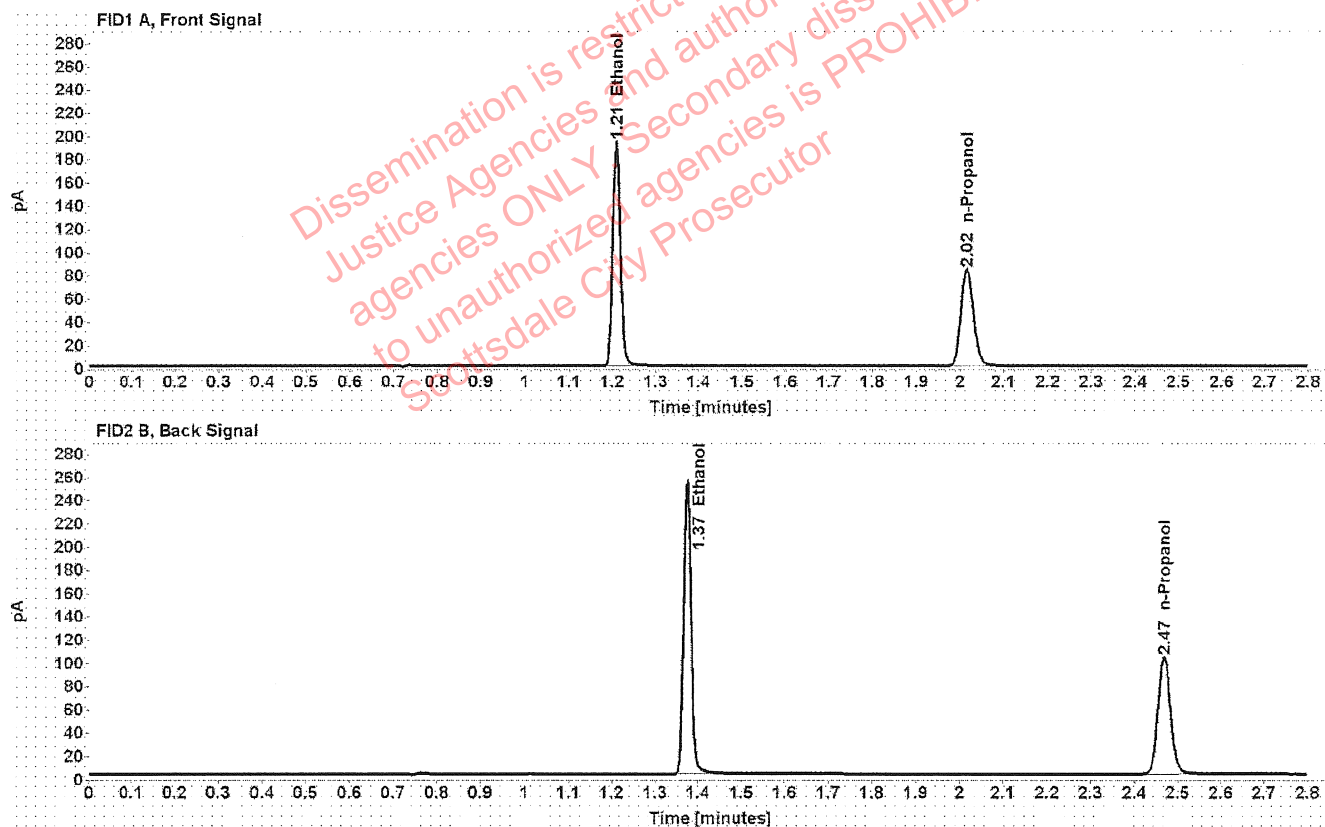


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	246.275
n-Propanol	2.016	166.209

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

Compound	Time (min)	Peak Area
Ethanol	1.375	309.228
n-Propanol	2.468	204.648

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 040720AQ	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 12:15:13 PM
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\5.D	<b>Analyst:</b> Canonico EC

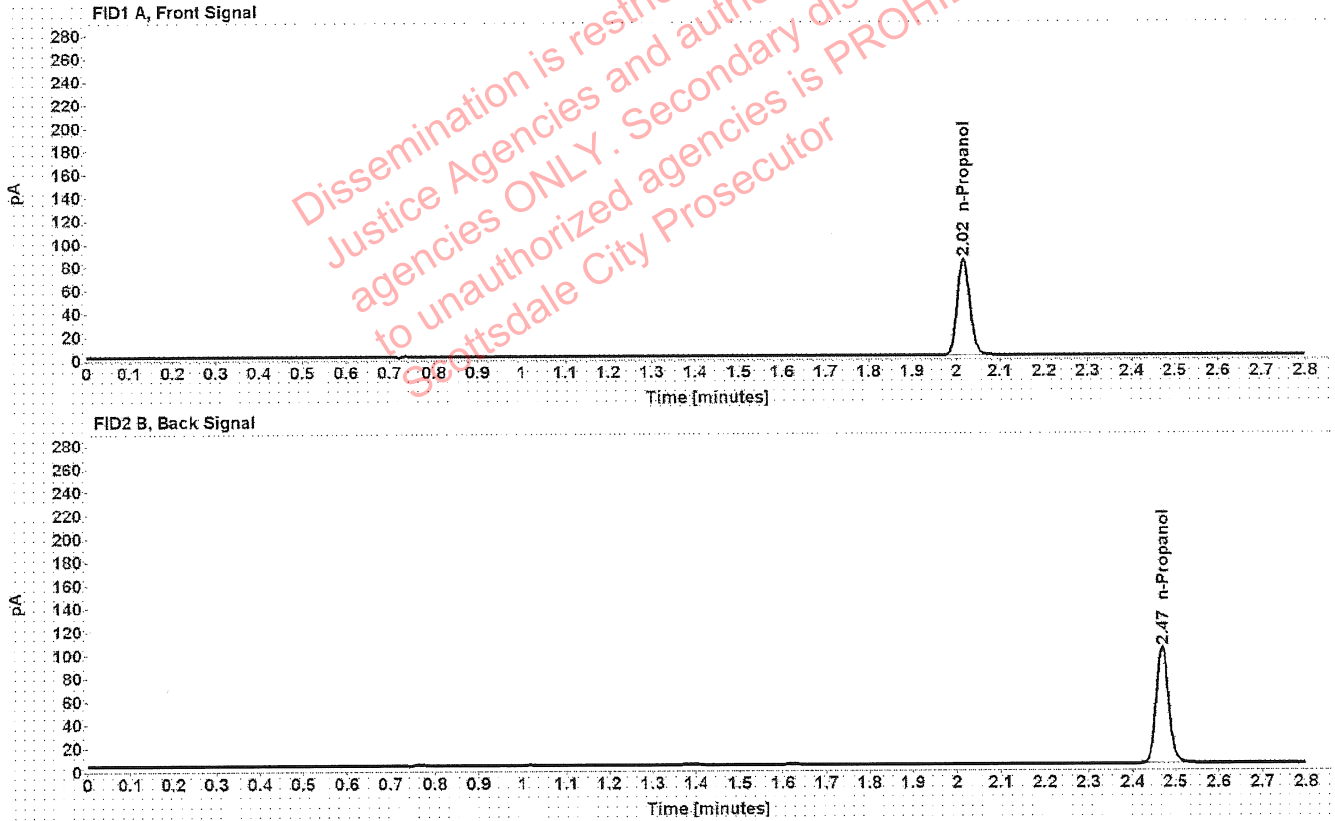


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	165.530

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	203.052

# 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>	05Jun20
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/5/2020 12:19:12 PM
<b>Data file:</b>	C:\Chem32\1\Data\05Jun20\6.D	<b>Analyst:</b>	Canonico <i>ee</i>

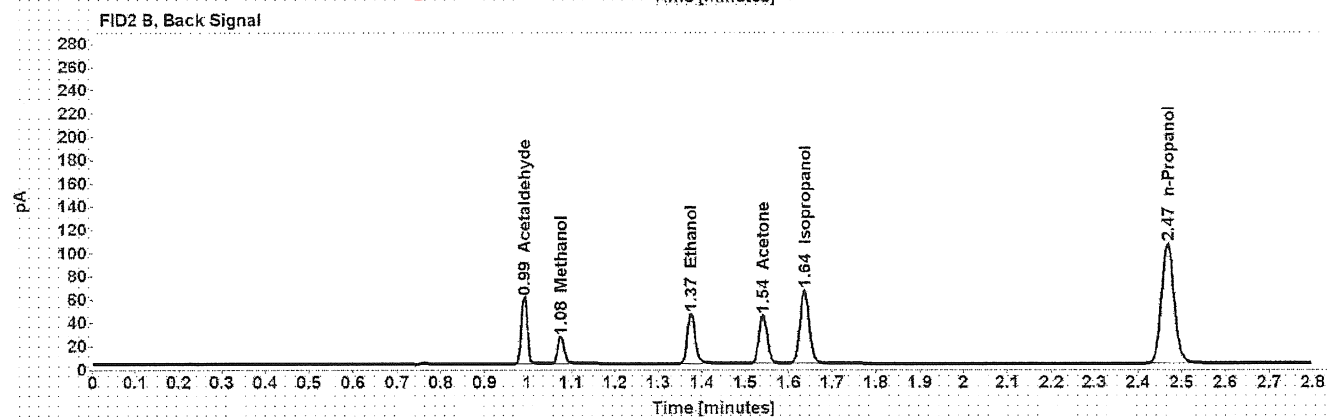
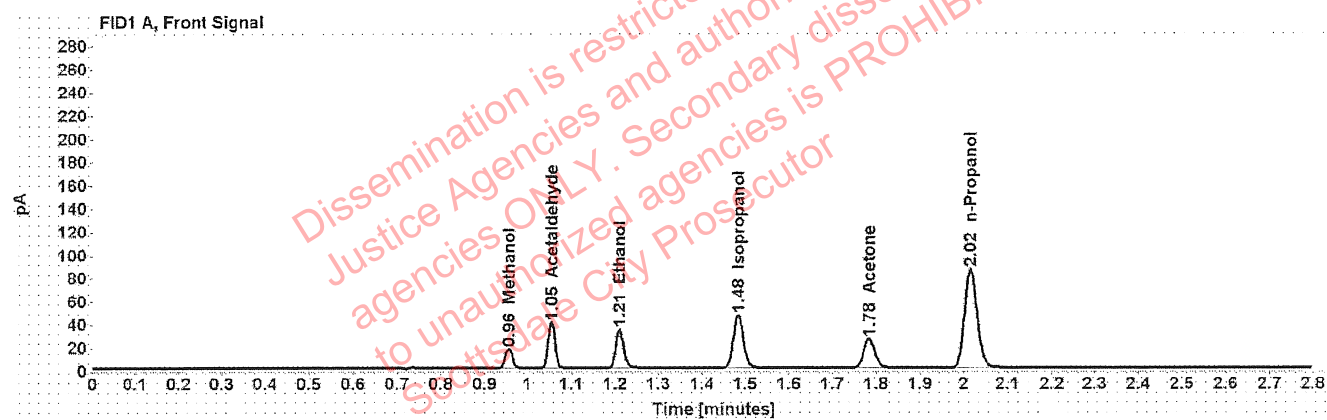


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	19.086
Acetaldehyde	-----	1.055	43.373
>Ethanol	0.0703	1.210	43.242
Isopropanol	-----	1.484	73.683
Acetone	-----	1.784	43.213
n-Propanol	-----	2.016	169.928

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	56.528
Methanol	1.076	24.734
Ethanol	1.375	53.925
Acetone	1.541	54.129
Isopropanol	1.636	95.237
n-Propanol	2.468	208.929

# 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> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 12:23:28 PM
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\7.D	<b>Analyst:</b> Canonico <i>ec</i>

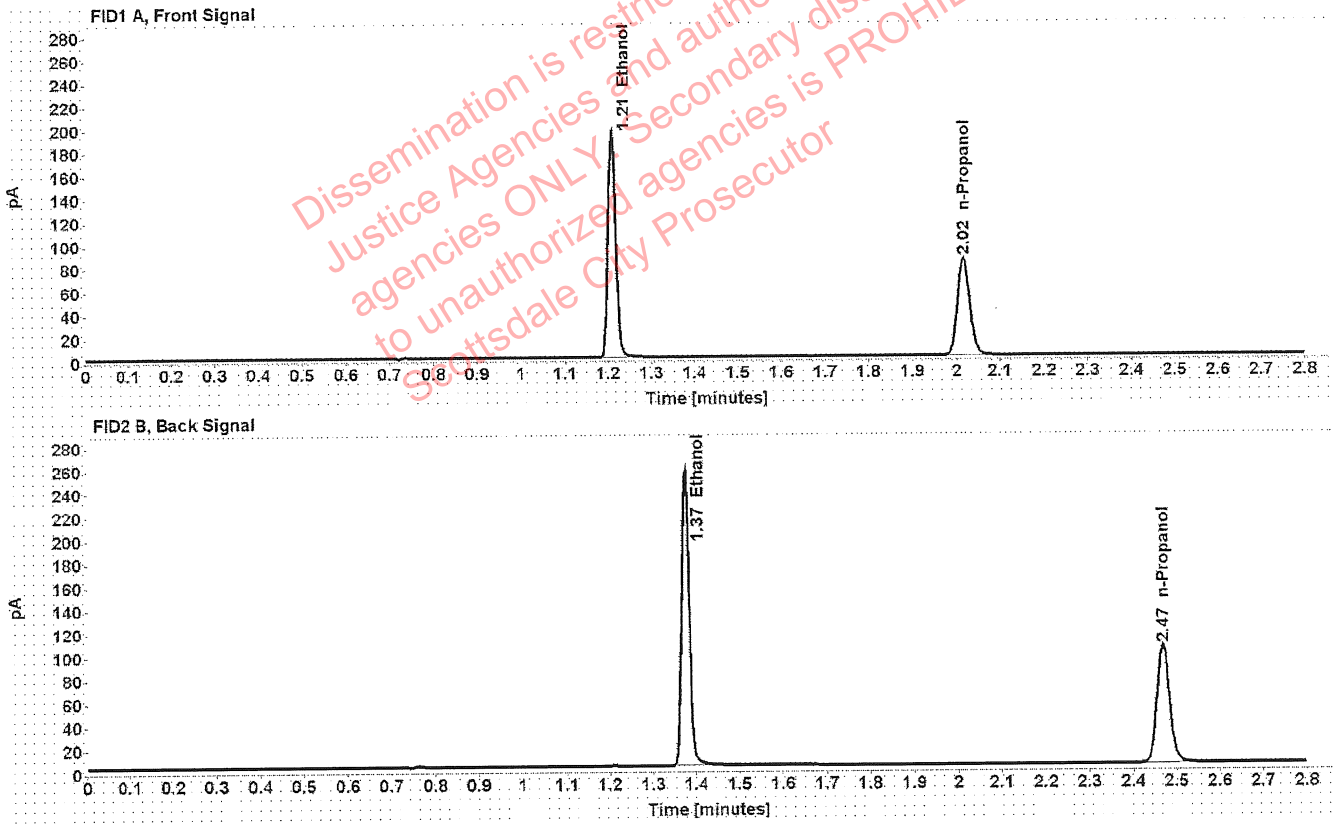


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4018	1.209	249.164
n-Propanol	-----	2.016	167.818

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

Compound	Time (min)	Peak Area
Ethanol	1.375	312.526
n-Propanol	2.469	206.342



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 05Jun20
Instrument: US14173023 CN14160045	Injection date: 6/5/2020 12:27:28 PM
Data file: C:\Chem32\1\Data\05Jun20\8.D	Analyst: Canonico <i>EC</i>

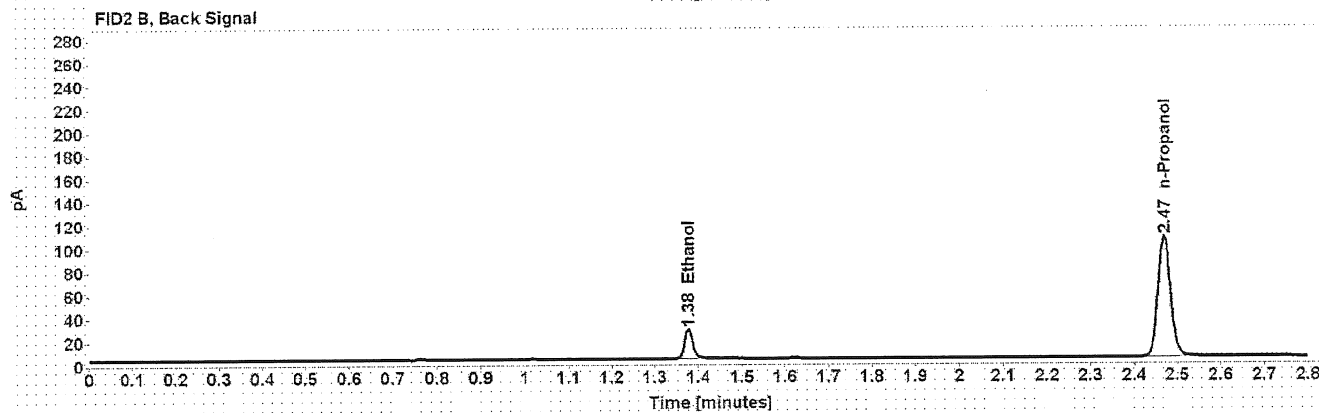
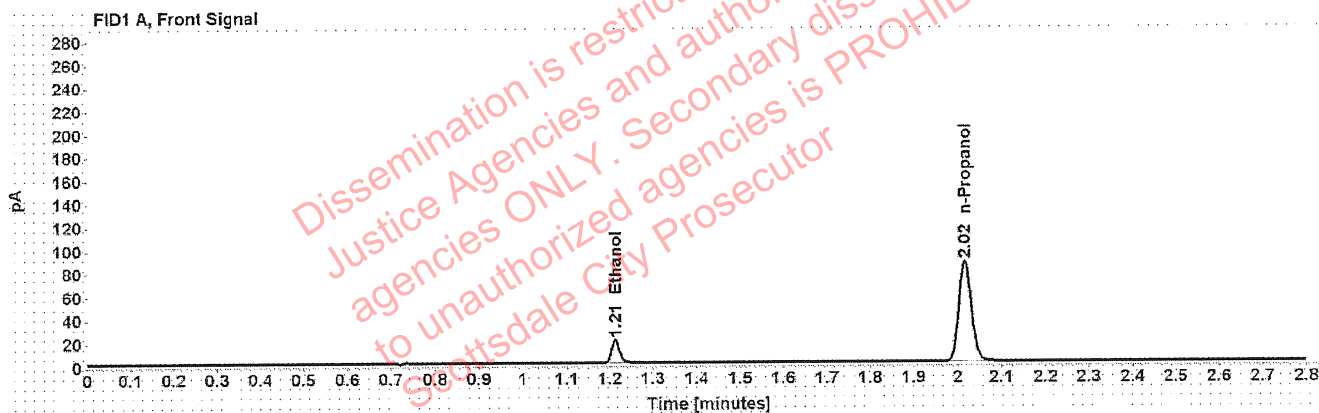


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0417	1.212	25.537
n-Propanol	-----	2.017	172.082

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

Compound	Time (min)	Peak Area
Ethanol	1.377	31.735
n-Propanol	2.470	211.092

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 05Jun20
Instrument: US14173023 CN14160045	Injection date: 6/5/2020 12:31:28 PM
Data file: C:\Chem32\1\Data\05Jun20\9.D	Analyst: Canonico <i>ec</i>

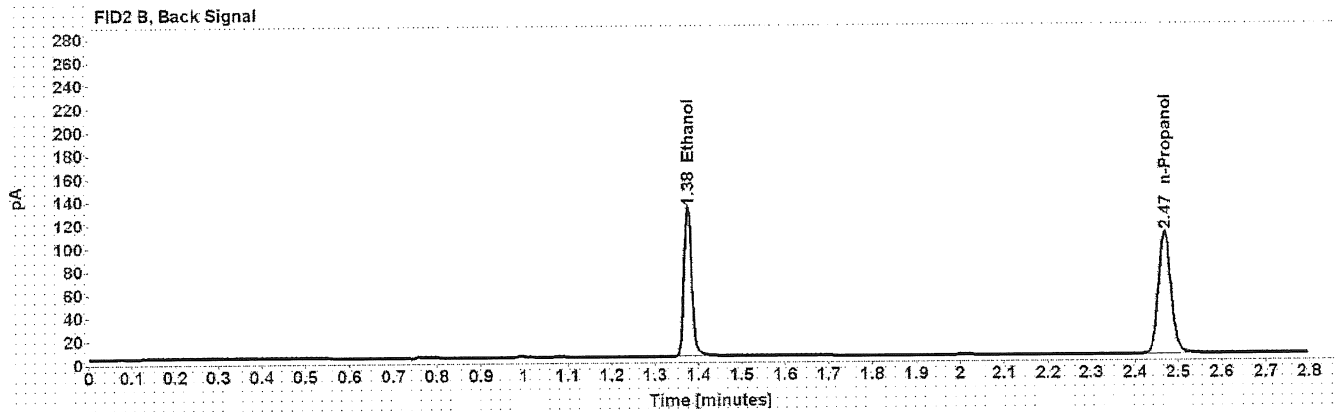
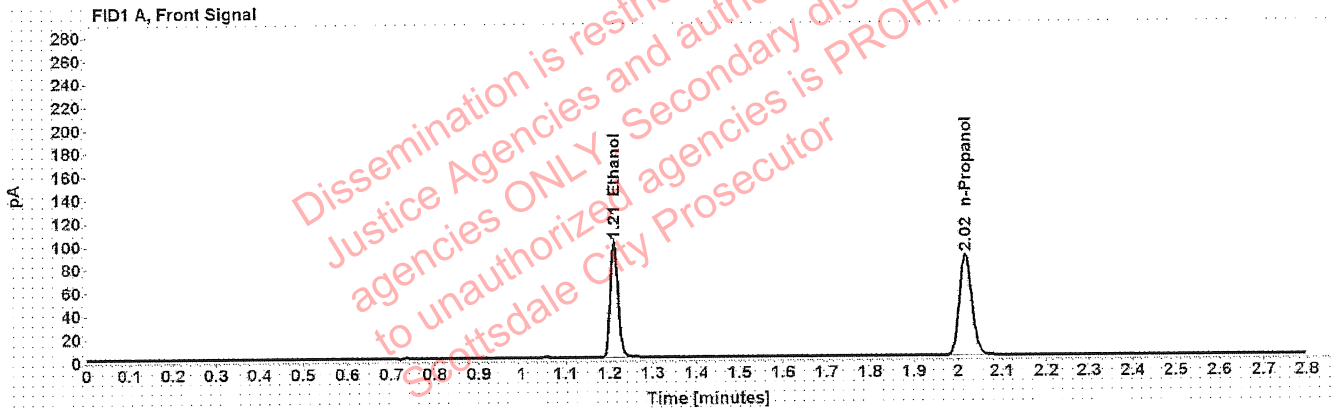


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1990	1.210	127.604
n-Propanol	-----	2.016	174.286

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

Compound	Time (min)	Peak Area
Ethanol	1.376	159.224
n-Propanol	2.469	214.031

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 03102016-A/1	<b>Vial:</b> 20
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 1:15:58 PM
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\20.D	<b>Analyst:</b> Canonico <i>cc</i>

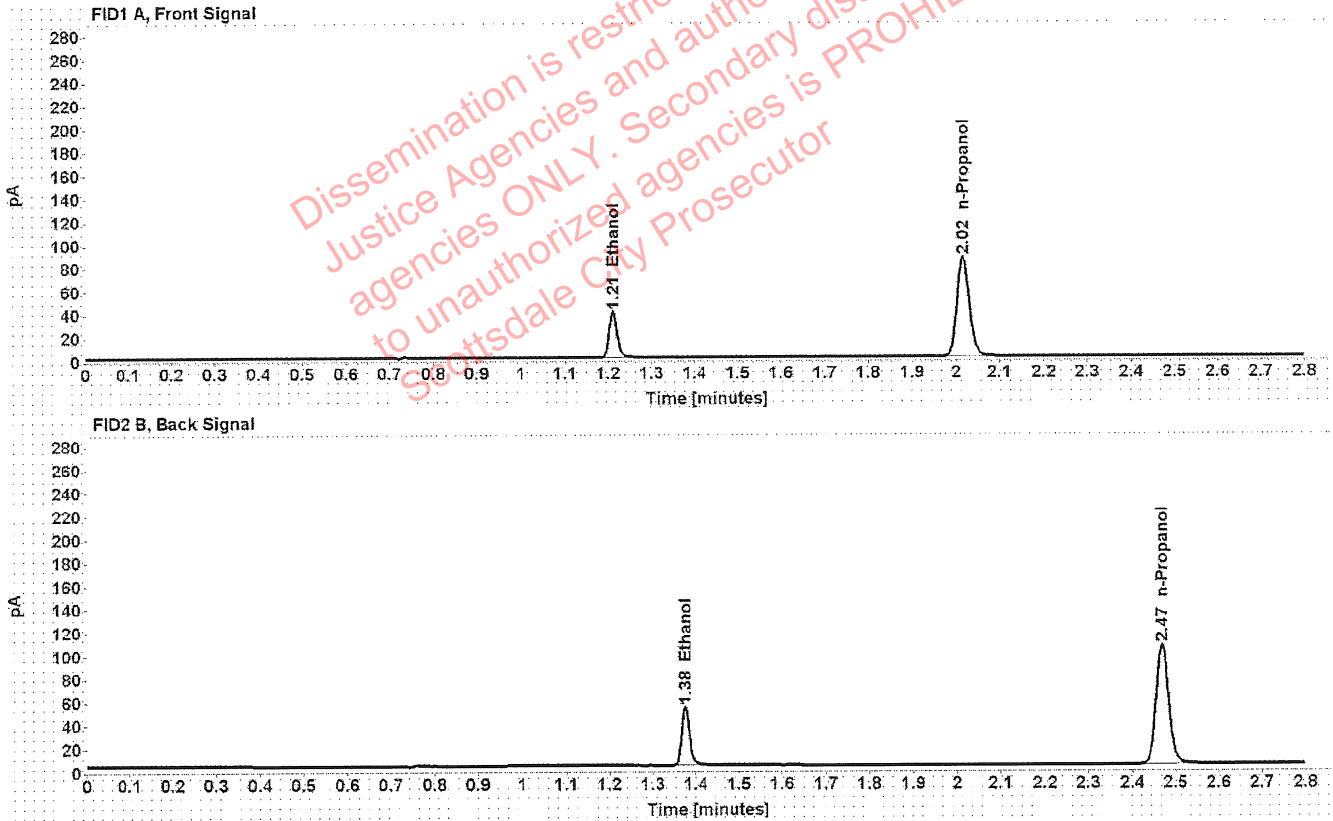


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0813	1.211	50.604
n-Propanol	-----	2.016	171.280

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

Compound	Time (min)	Peak Area
Ethanol	1.375	63.126
n-Propanol	2.469	209.626

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 03102016-A/1	<b>Vial:</b> 31
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 2:00:27 PM
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\31.D	<b>Analyst:</b> Canonico EC

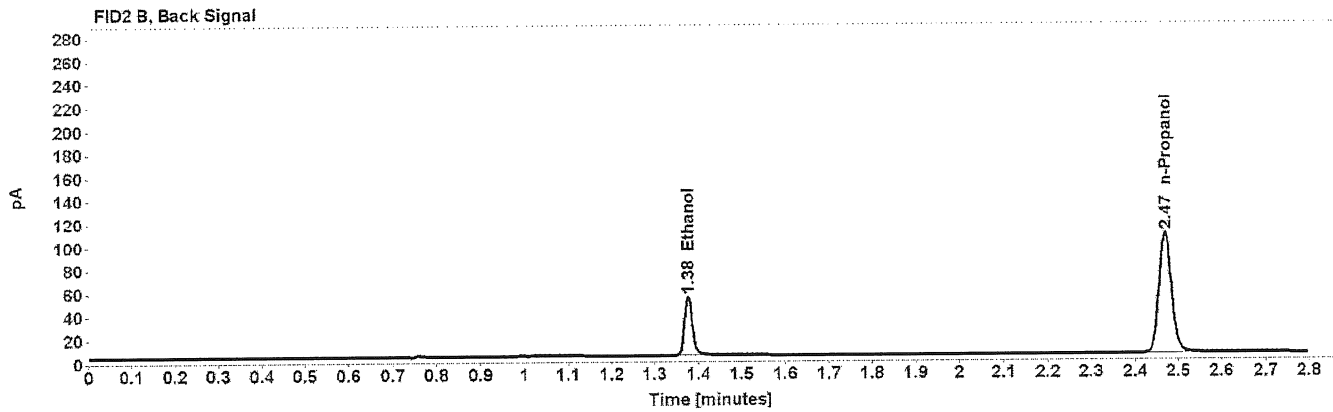
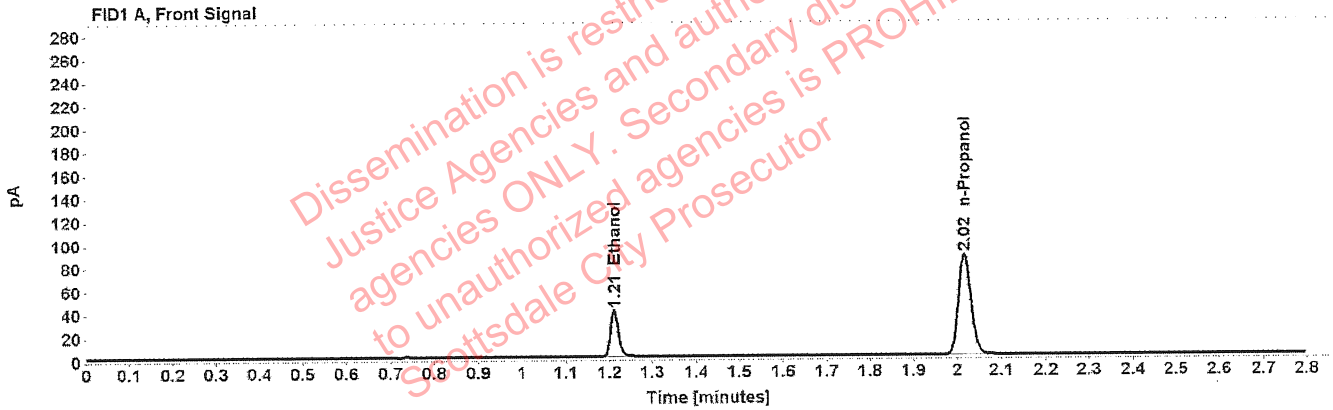


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0817	1.211	51.380
n-Propanol	-----	2.017	173.189

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

Compound	Time (min)	Peak Area
Ethanol	1.376	63.842
n-Propanol	2.469	211.861

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 42
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 2:44:42 PM
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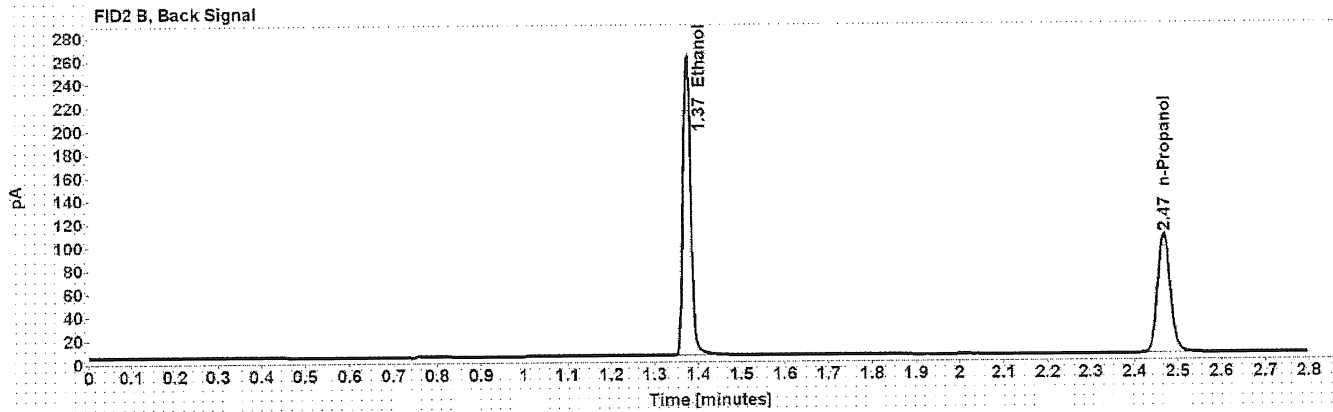
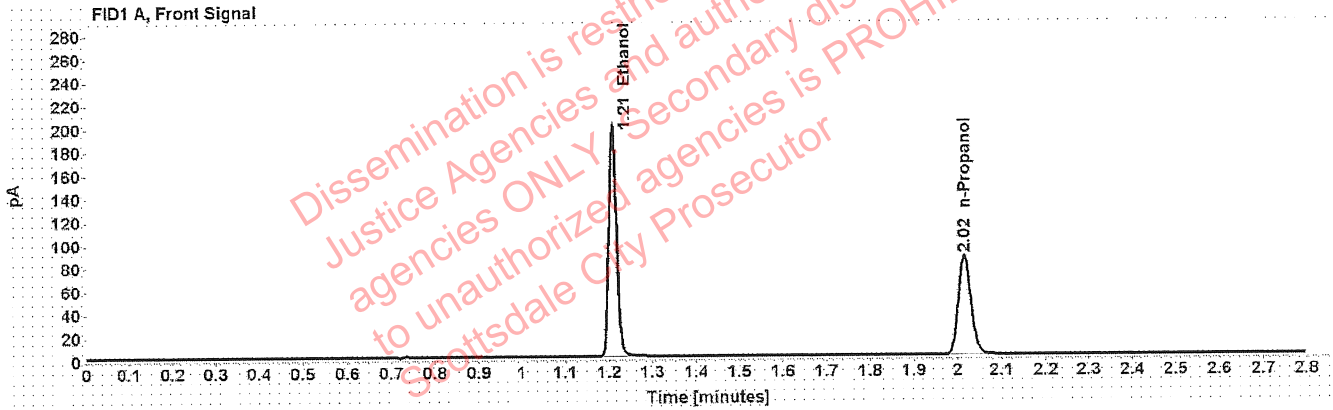


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4023	1.209	254.199
n-Propanol	-----	2.016	171.003

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

Compound	Time (min)	Peak Area
Ethanol	1.374	318.882
n-Propanol	2.468	209.936



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 43
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 2:48:58 PM
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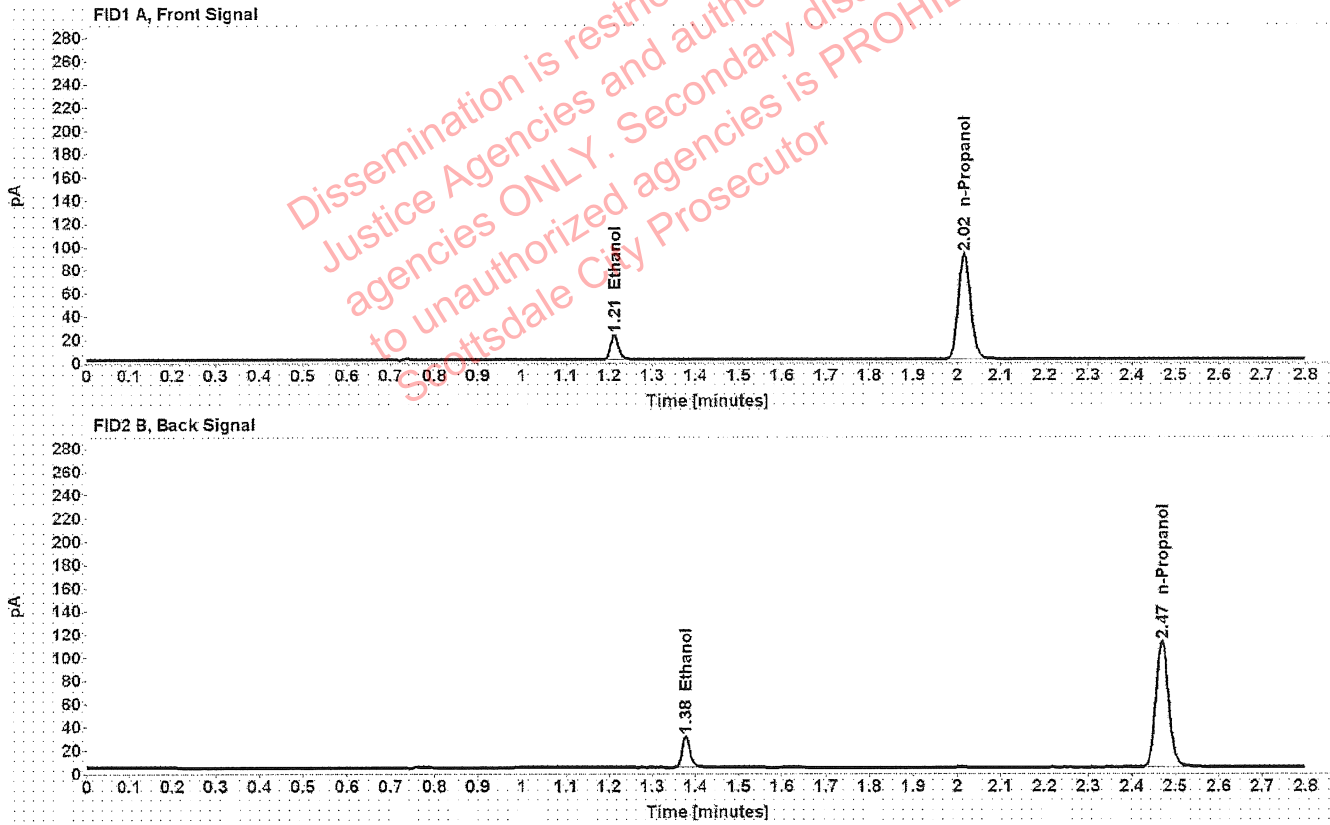


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0422	1.212	27.231
n-Propanol	-----	2.017	181.346

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

Compound	Time (min)	Peak Area
Ethanol	1.377	33.888
n-Propanol	2.469	221.653

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 44
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 2:52:58 PM
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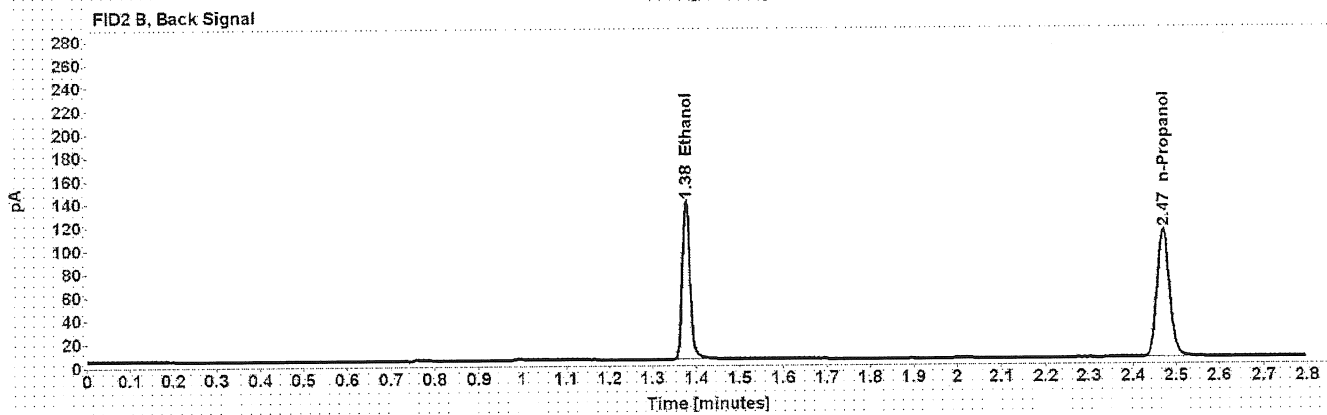
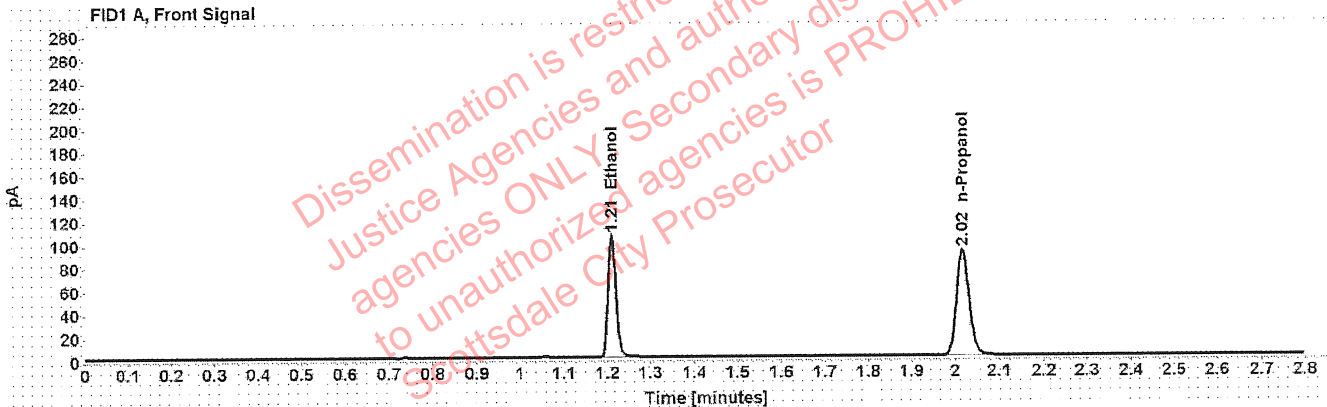


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2014	1.211	135.430
n-Propanol	-----	2.017	182.806

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

Compound	Time (min)	Peak Area
Ethanol	1.376	169.464
n-Propanol	2.470	223.829

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 040919WB	<b>Vial:</b> 45
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 05Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/5/2020 2:56:57 PM
<b>Data file:</b> C:\Chem32\1\Data\05Jun20\45.D	<b>Analyst:</b> Canonico <i>ee</i>

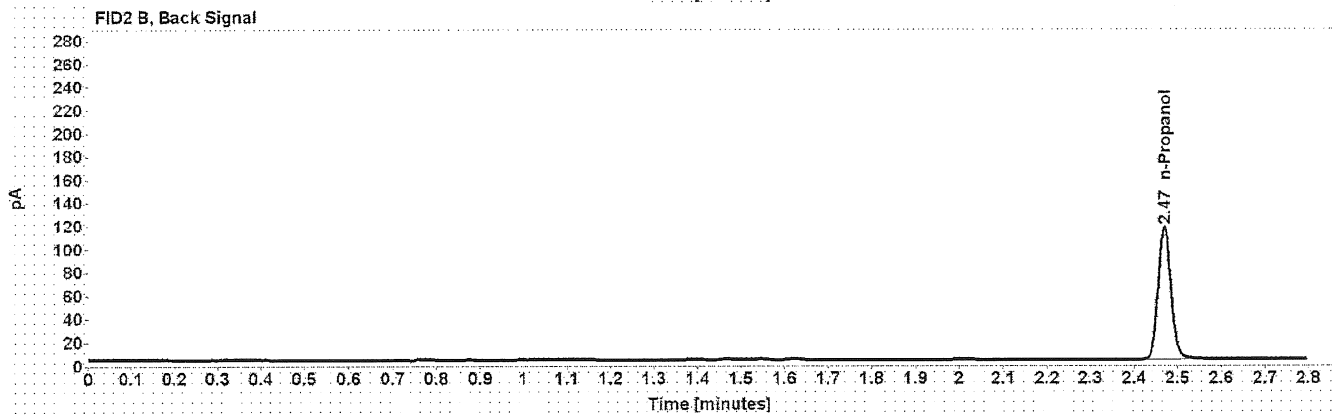


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	190.289

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	233.286

# Sequence Summary

Sequence name: 05Jun20      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	1299121		Sample		ethanol quant.M
11	1299121		Sample		ethanol quant.M
12	1322479		Sample		ethanol quant.M
13	1322479		Sample		ethanol quant.M
14	1323096		Sample		ethanol quant.M
15	1323096		Sample		ethanol quant.M
16	1316437		Sample		ethanol quant.M
17	1316437		Sample		ethanol quant.M
18	1323104		Sample		ethanol quant.M
19	1323104		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1320347		Sample		ethanol quant.M
22	1320347		Sample		ethanol quant.M
23	1320837		Sample		ethanol quant.M
24	1320837		Sample		ethanol quant.M
25	1321268		Sample		ethanol quant.M
26	1321268		Sample		ethanol quant.M
27	1323064		Sample		ethanol quant.M
28	1323064		Sample		ethanol quant.M
29	1322669		Sample		ethanol quant.M
30	1322669		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1322831		Sample		ethanol quant.M
33	1322831		Sample		ethanol quant.M
34	1322620		Sample		ethanol quant.M
35	1322620		Sample		ethanol quant.M
36	1323729		Sample		ethanol quant.M
37	1323729		Sample		ethanol quant.M
38	1323931		Sample		ethanol quant.M
39	1323931		Sample		ethanol quant.M
40	1323988		Sample		ethanol quant.M
41	1323988		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

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 05Jun20

ANALYST: Canonico ec

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1085	0.1074	0.10795	0.51	0.00055
12 13	0.2097	0.2090	0.20935	0.17	0.00035
14 15	0.1216	0.1209	0.12125	0.29	0.00035
16 17	0.2495	0.2486	0.24905	0.18	0.00045
18 19	0.0000	0.0000	0.00000	0.00	0.00000
21 22	0.2022	0.2025	0.20235	0.07	0.00015
23 24	0.3328	0.3325	0.33265	0.05	0.00015
25 26	0.1615	0.1617	0.16160	0.06	0.00010
27 28	0.1125	0.1118	0.11215	0.31	0.00035
29 30	0.1002	0.1006	0.10040	0.20	0.00020
32 33	0.0968	0.0967	0.09675	0.05	0.00005
34 35	0.0000	0.0000	0.00000	0.00	0.00000
36 37	0.2299	0.2273	0.22860	0.57	0.00130
38 39	0.2073	0.2086	0.20795	0.31	0.00065
40 41	0.2156	0.2151	0.21535	0.12	0.00025

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





### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299121	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 12:35:28 PM
Data file:	C:\Chem32\1\Data\05Jun20\10.D	Analyst:	Canonico

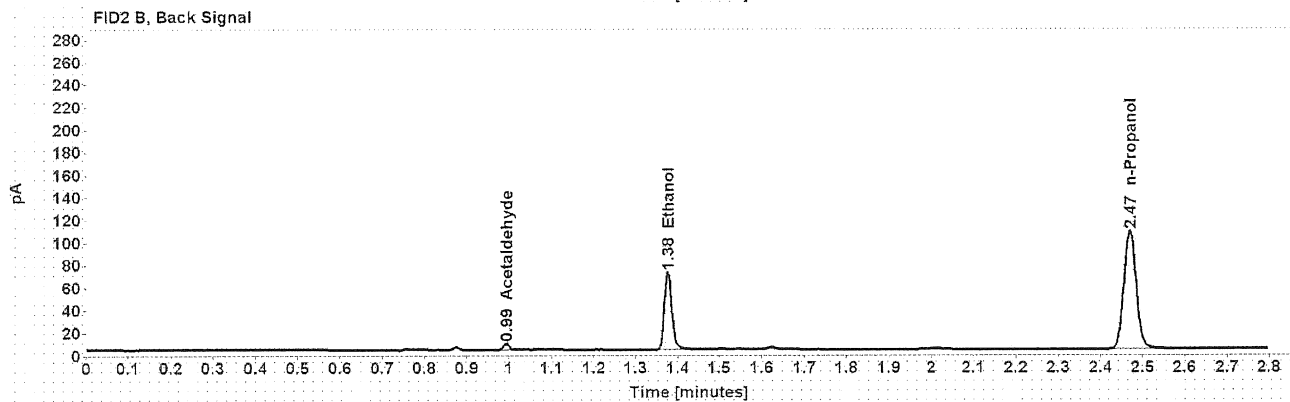
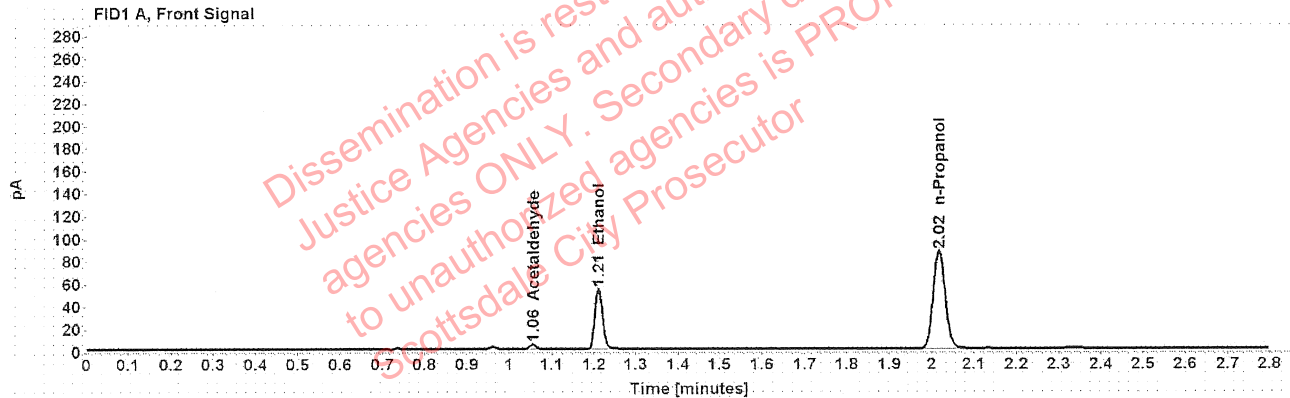


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.029
>Ethanol	0.1085	1.211	68.878
n-Propanol	-----	2.017	173.839

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.262
Ethanol	1.376	85.640
n-Propanol	2.469	212.856

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299121	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 12:39:27 PM
Data file:	C:\Chem32\11\Data\05Jun20\11.D	Analyst:	Canonico

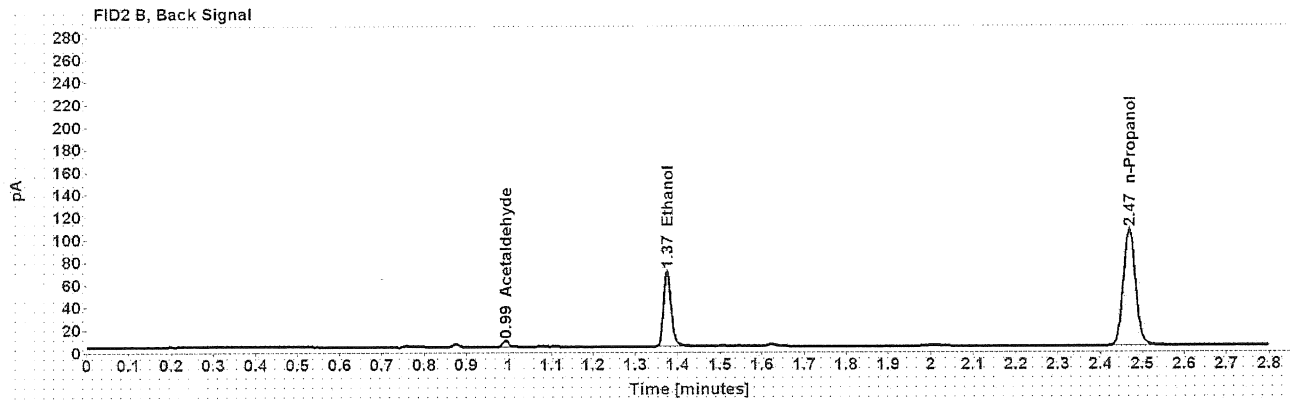
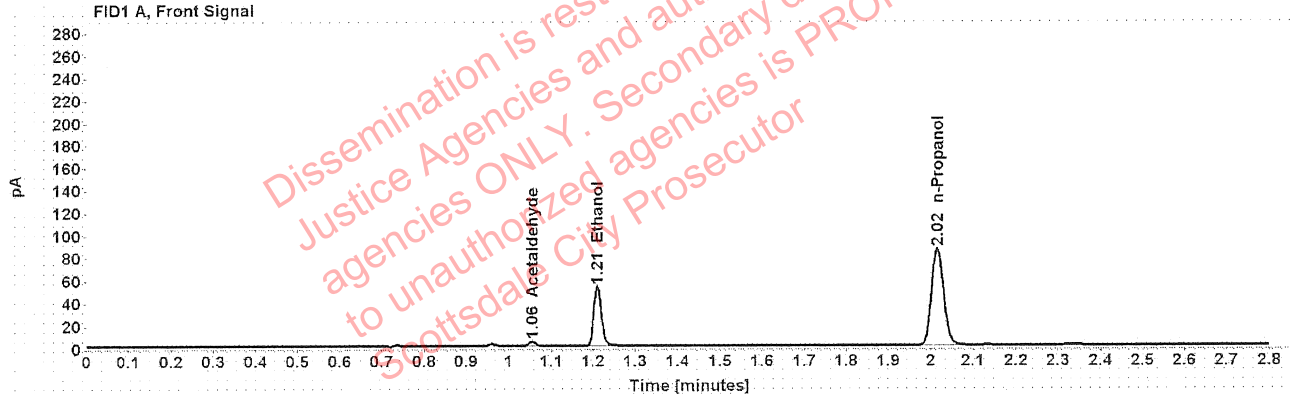


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.987
>Ethanol	0.1074	1.210	67.249
n-Propanol	-----	2.016	171.493

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.261
Ethanol	1.375	83.761
n-Propanol	2.468	209.940

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322479	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 12:43:28 PM
Data file:	C:\Chem32\1\Data\05Jun20\12.D	Analyst:	Canonico

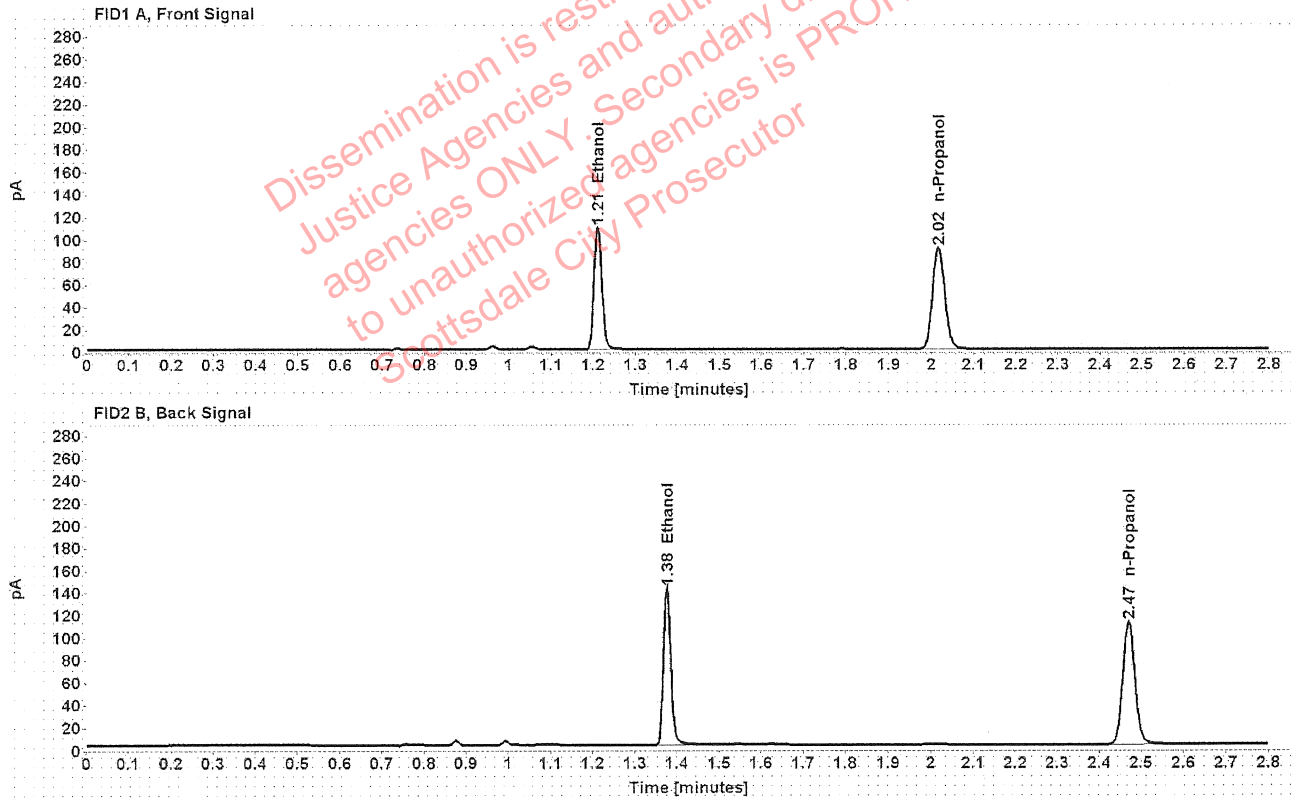


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2097	1.211	139.257
n-Propanol	-----	2.017	180.394

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

Compound	Time (min)	Peak Area
Ethanol	1.376	175.558
n-Propanol	2.470	222.024



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322479	Vial:	13
Description:	██	LIMS ID:	████████████████████
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 12:47:43 PM
Data file:	C:\Chem32\1\Data\05Jun20\13.D	Analyst:	Canonico

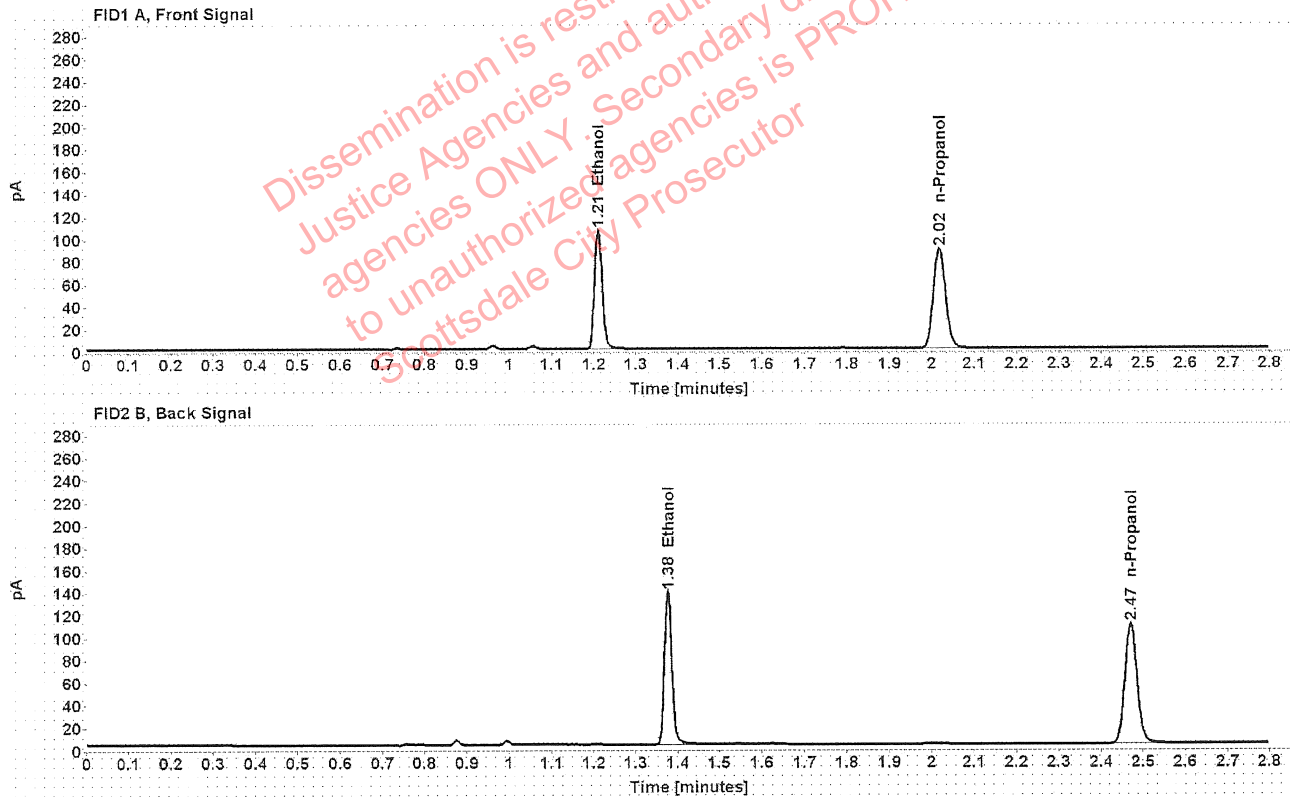


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2090	1.211	135.992
n-Propanol	-----	2.017	176.764

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

Compound	Time (min)	Peak Area
Ethanol	1.376	171.027
n-Propanol	2.470	217.073



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323096	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 12:51:44 PM
Data file:	C:\Chem32\1\Data\05Jun20\14.D	Analyst:	Canonico

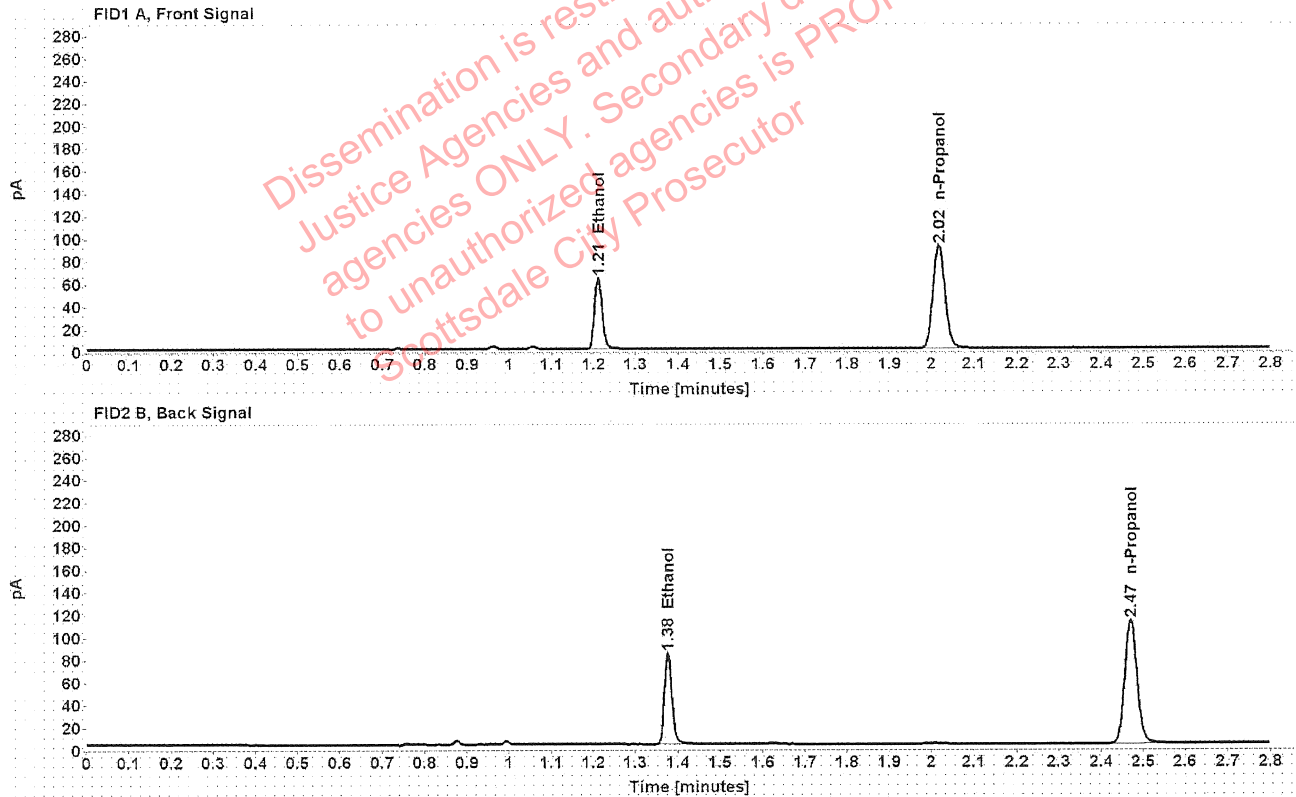


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1216	1.211	80.913
n-Propanol	-----	2.017	181.901

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

Compound	Time (min)	Peak Area
Ethanol	1.377	100.703
n-Propanol	2.470	223.537

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323096	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 12:55:43 PM
Data file:	C:\Chem32\11\Data\05Jun20\15.D	Analyst:	Canonico

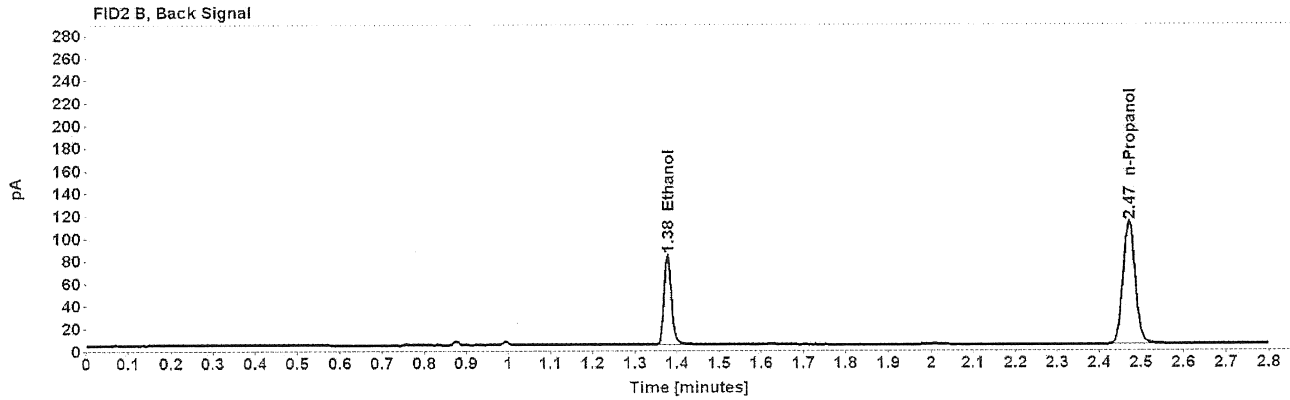
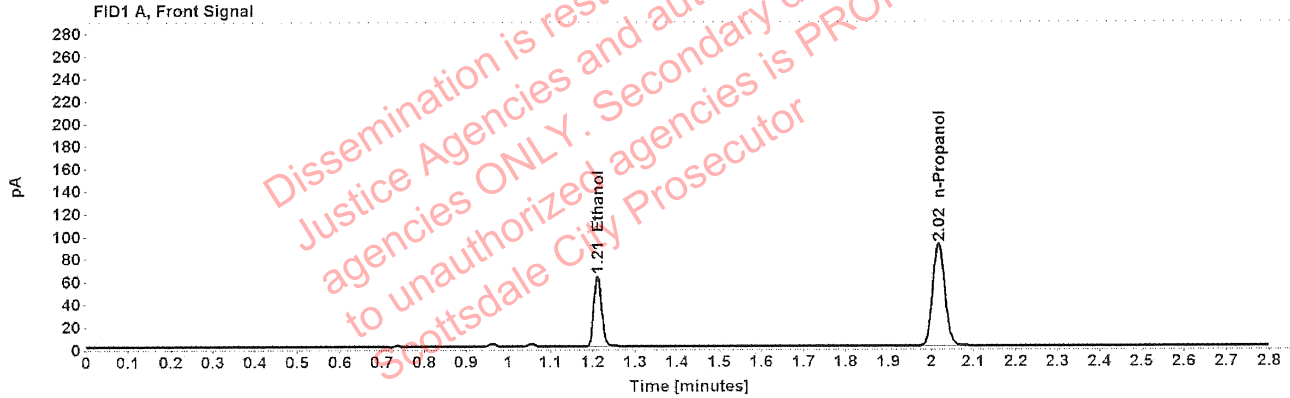


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1209	1.211	79.728
n-Propanol	-----	2.017	180.283

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

Compound	Time (min)	Peak Area
Ethanol	1.377	99.405
n-Propanol	2.470	221.703

Case: [REDACTED] User: ecanonico 6/8/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1316437	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 12:59:43 PM
Data file:	C:\Chem32\1\Data\05Jun20\16.D	Analyst:	Canonico

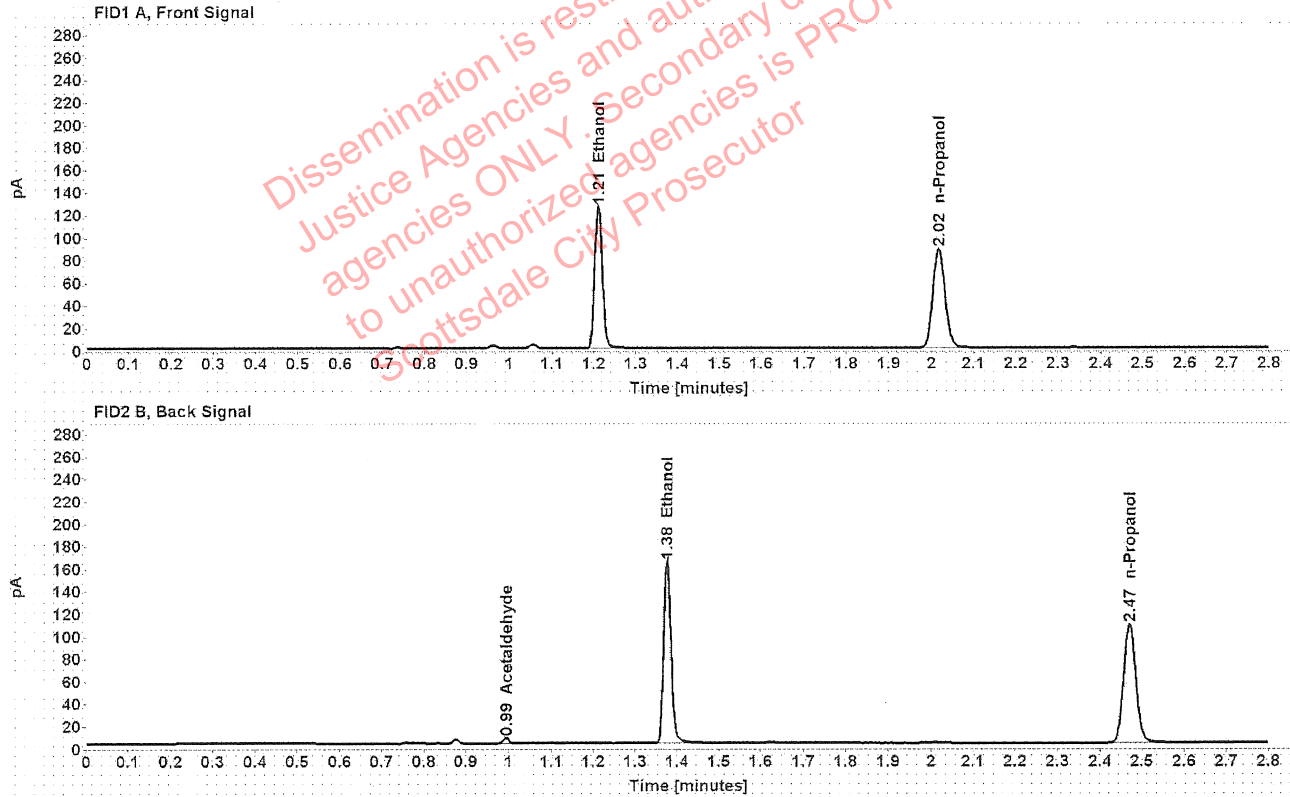


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2495	1.211	160.493
n-Propanol	-----	2.017	174.526

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.630
Ethanol	1.376	202.696
n-Propanol	2.470	214.723

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1316437	Vial: 17
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 05Jun20
Instrument: US14173023 CN14160045	Injection date: 6/5/2020 1:03:43 PM
Data file: C:\Chem32\1\Data\05Jun20\17.D	Analyst: Canonico

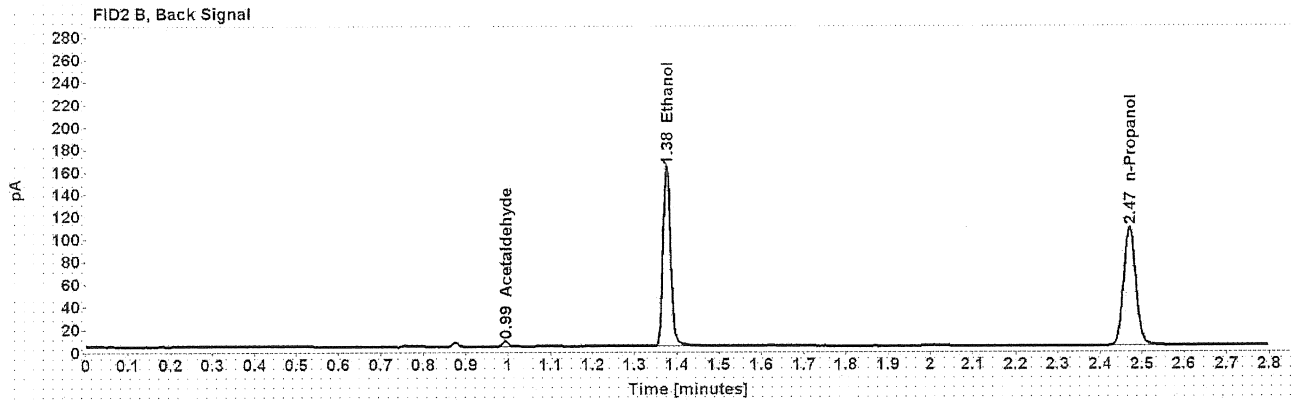
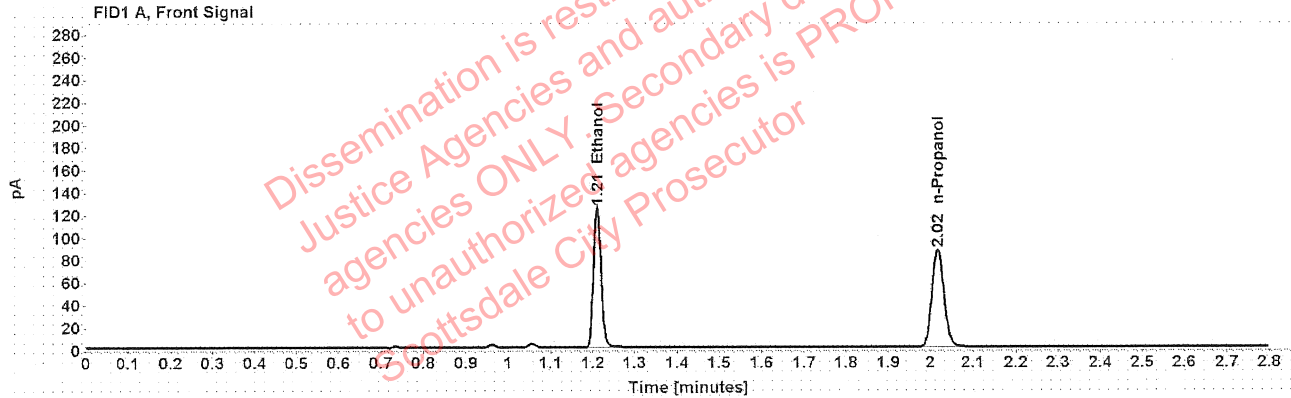


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2486	1.210	158.454
n-Propanol	-----	2.017	172.982

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.651
Ethanol	1.376	199.893
n-Propanol	2.470	212.748

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323104	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:07:42 PM
Data file:	C:\Chem32\1\Data\05Jun20\18.D	Analyst:	Canonico

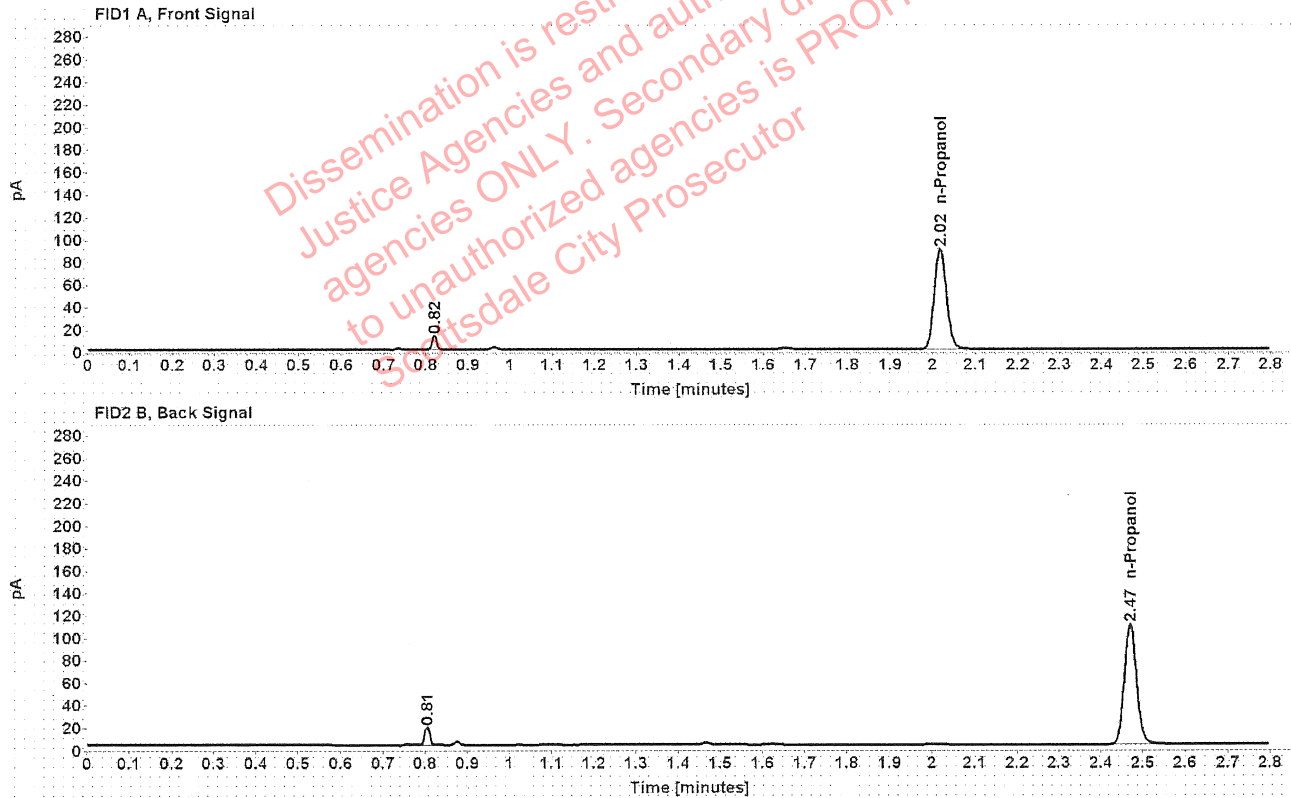


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	177.428

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	218.294

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323104	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:11:57 PM
Data file:	C:\Chem32\1\Data\05Jun20\19.D	Analyst:	Canonico

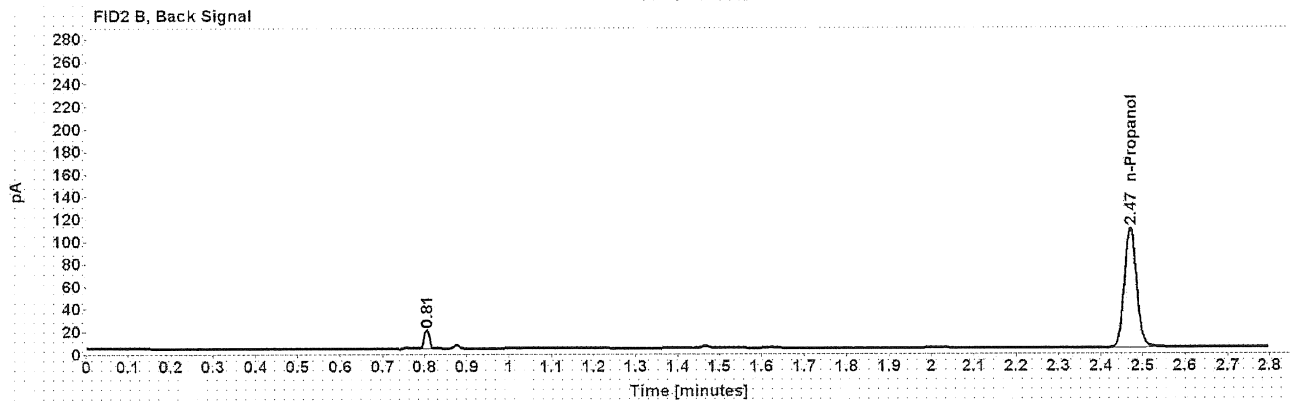
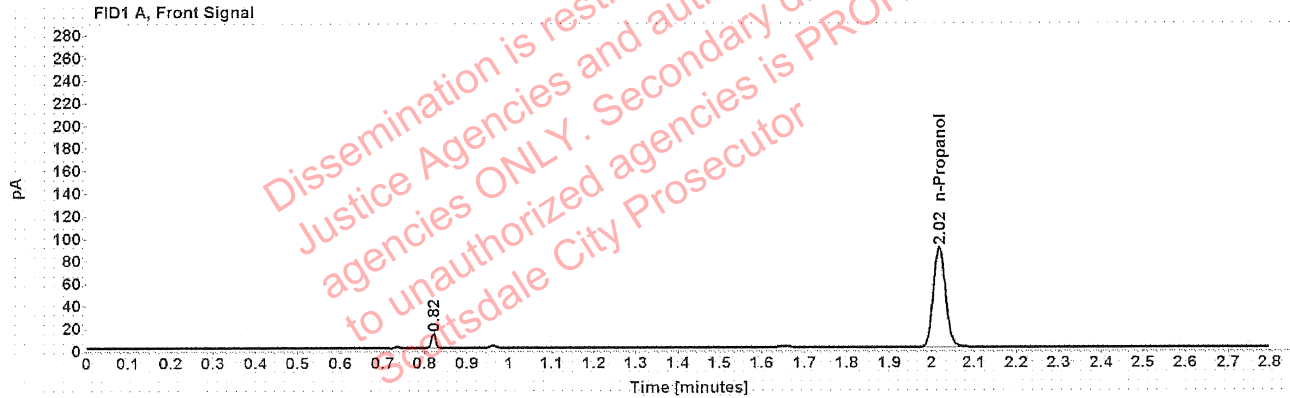


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	176.829

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	217.346



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320347	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:19:57 PM
Data file:	C:\Chem32\1\Data\05Jun20\21.D	Analyst:	Canonico

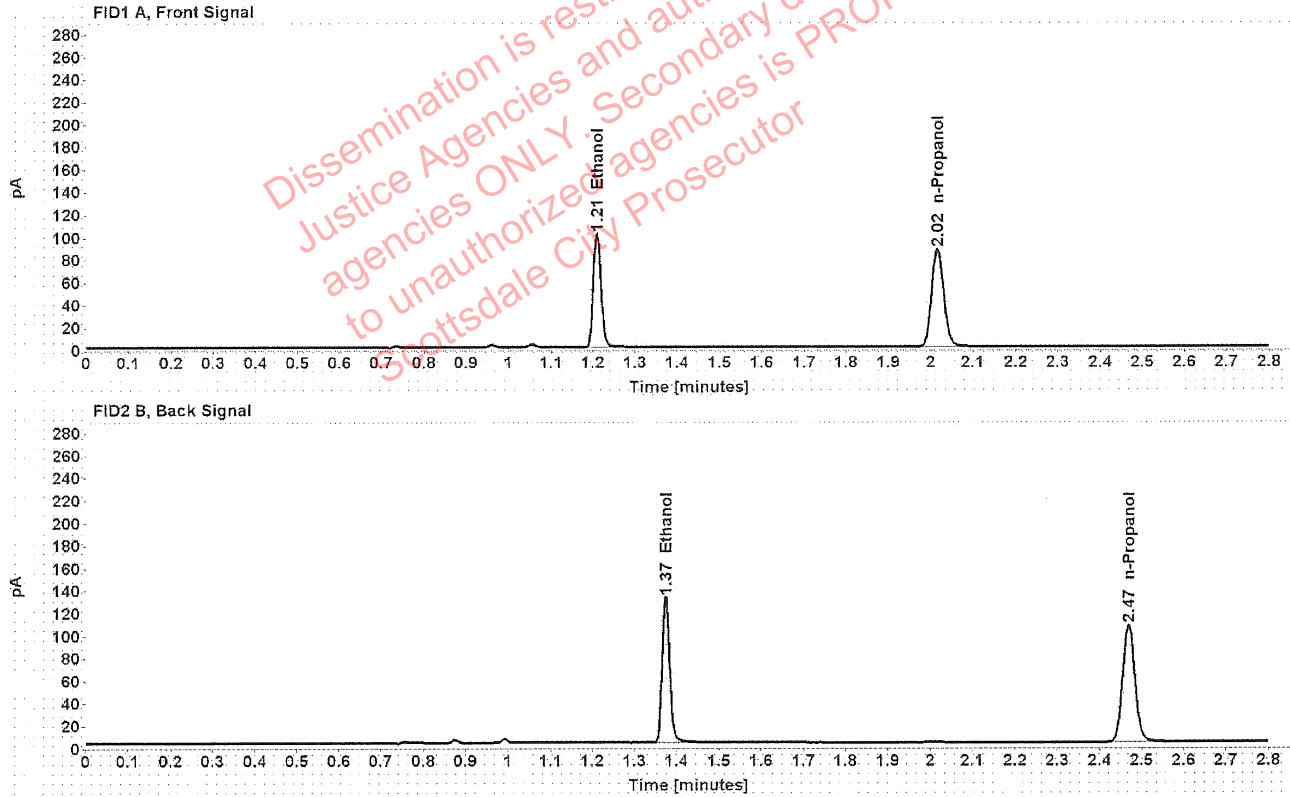


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2022	1.210	128.658
n-Propanol	-----	2.016	172.908

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

Compound	Time (min)	Peak Area
Ethanol	1.374	161.189
n-Propanol	2.468	211.482

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320347	Vial:	22
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:23:57 PM
Data file:	C:\Chem32\1\Data\05Jun20\22.D	Analyst:	Canonico

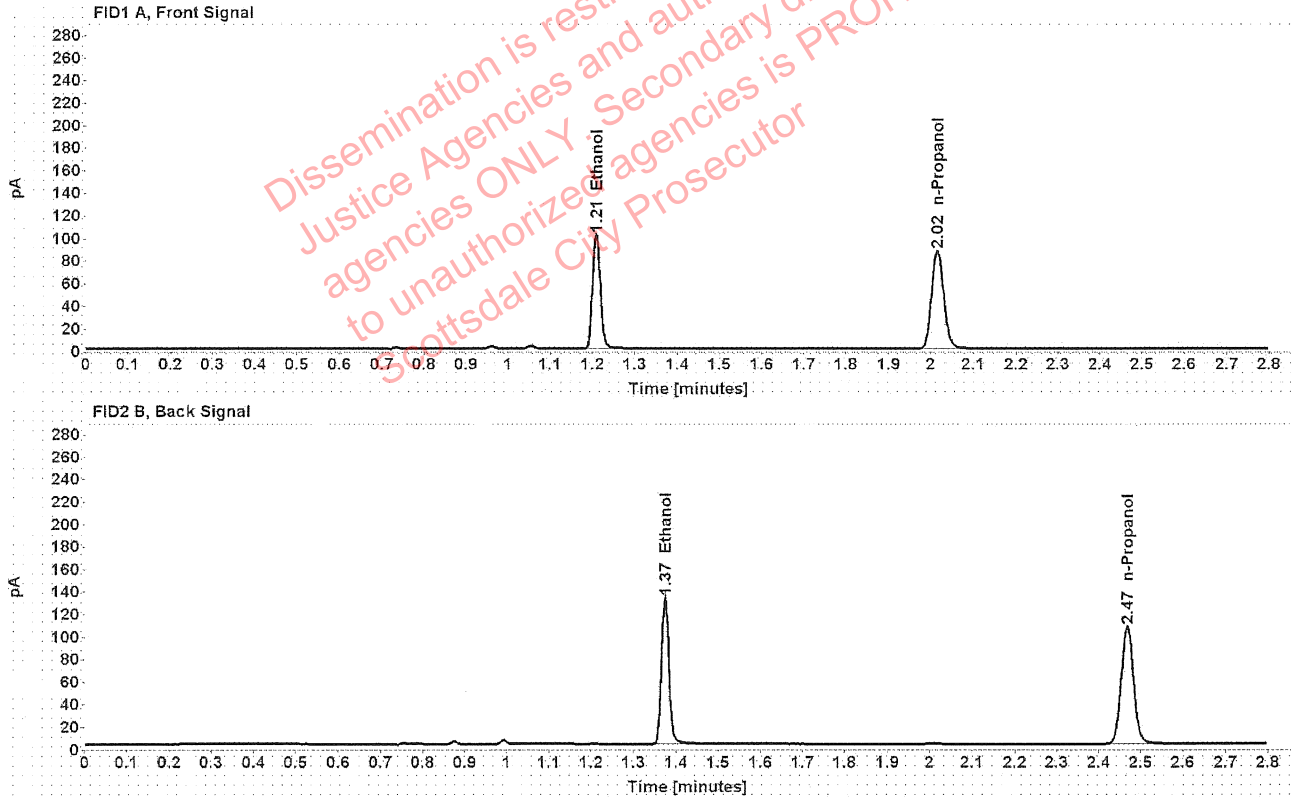


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2025	1.209	129.123
n-Propanol	-----	2.015	173.339

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

Compound	Time (min)	Peak Area
Ethanol	1.373	161.825
n-Propanol	2.467	212.328

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320837	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:27:57 PM
Data file:	C:\Chem32\11\Data\05Jun20\23.D	Analyst:	Canonico

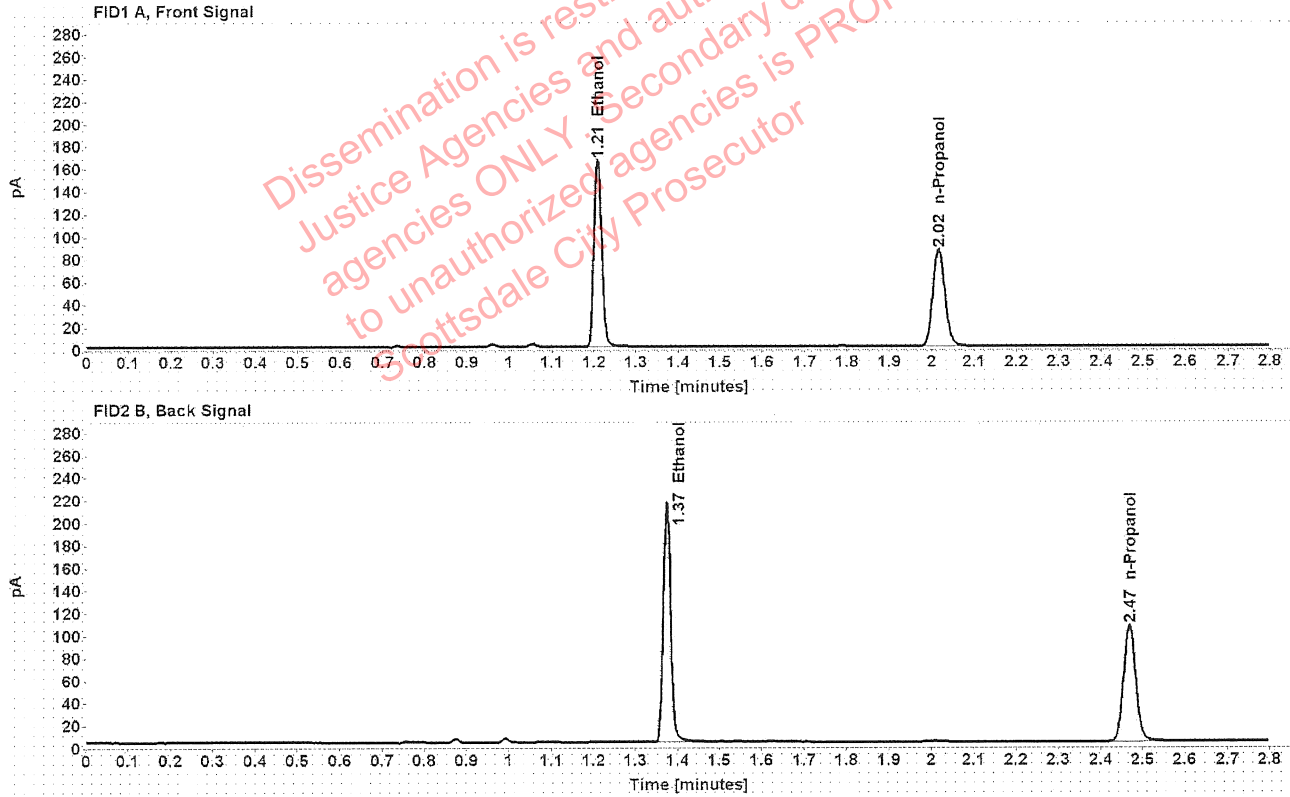


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3328	1.209	210.205
n-Propanol	-----	2.016	171.077

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

Compound	Time (min)	Peak Area
Ethanol	1.374	265.023
n-Propanol	2.468	210.290

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320837	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:31:57 PM
Data file:	C:\Chem32\1\Data\05Jun20\24.D	Analyst:	Canonico

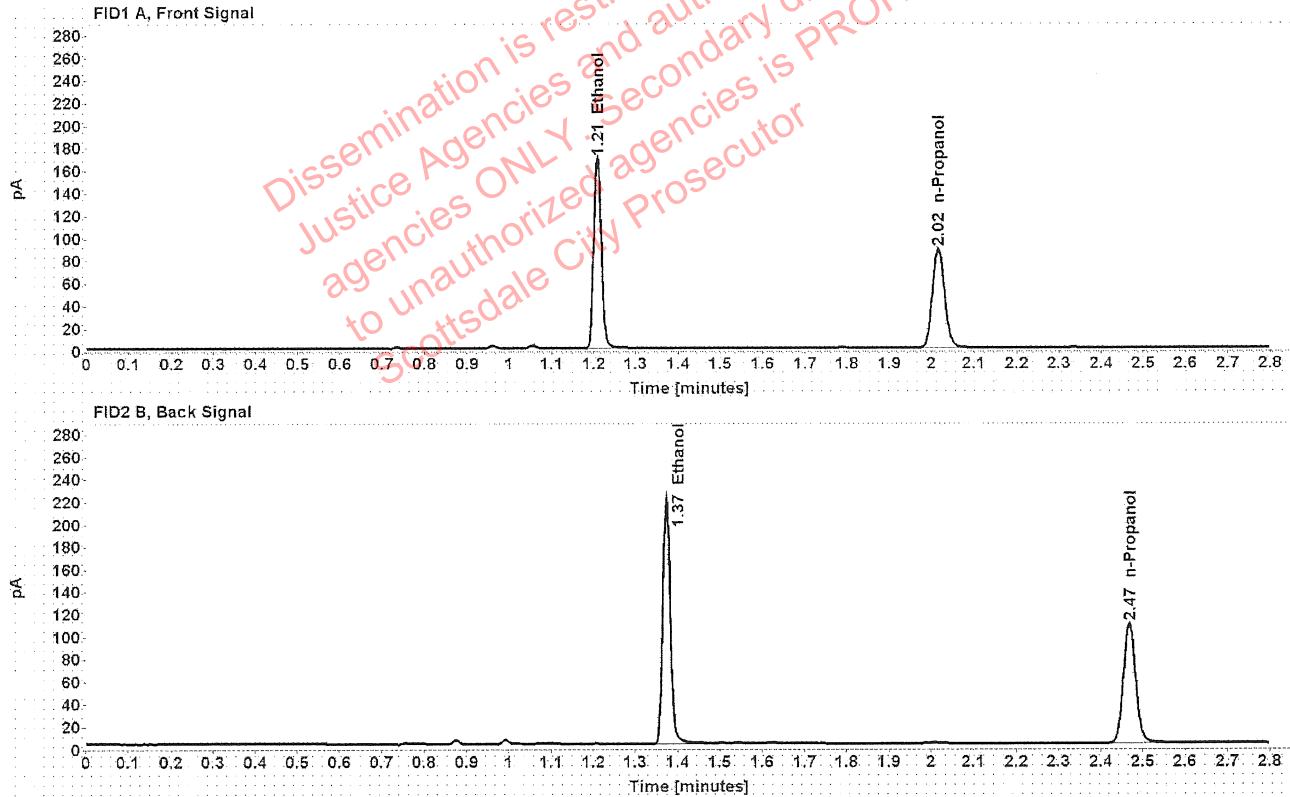


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3325	1.209	215.454
n-Propanol	-----	2.016	175.527

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

Compound	Time (min)	Peak Area
Ethanol	1.374	271.556
n-Propanol	2.468	215.814

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321268	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:36:12 PM
Data file:	C:\Chem32\1\Data\05Jun20\25.D	Analyst:	Canonico

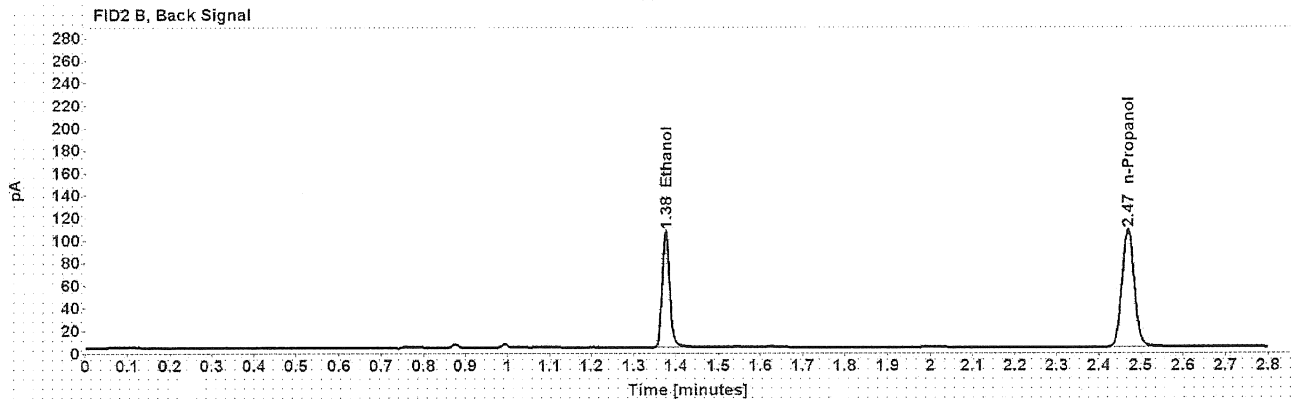
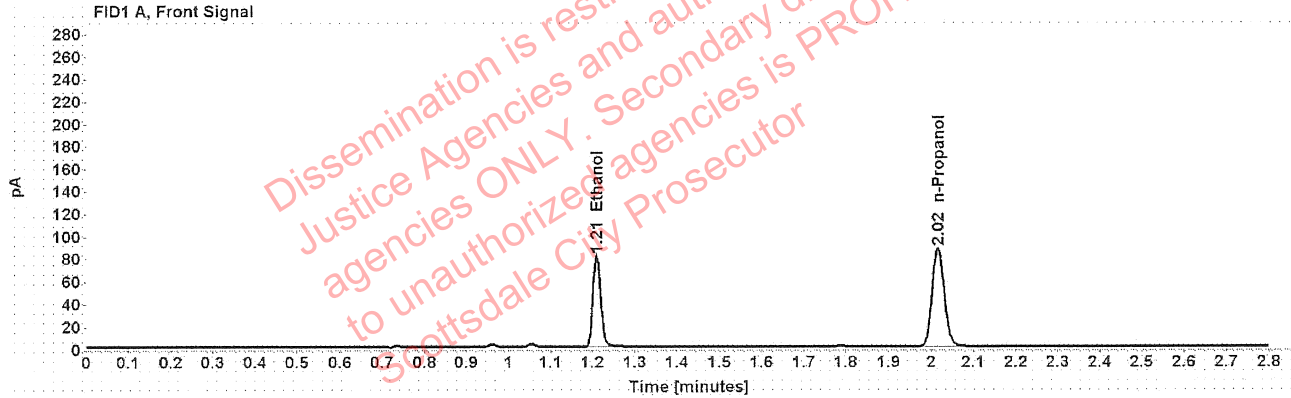


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1615	1.210	102.822
n-Propanol	-----	2.016	173.383

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

Compound	Time (min)	Peak Area
Ethanol	1.375	127.995
n-Propanol	2.469	213.032

Case: [REDACTED] User: ecanonico 6/8/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321268	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:40:12 PM
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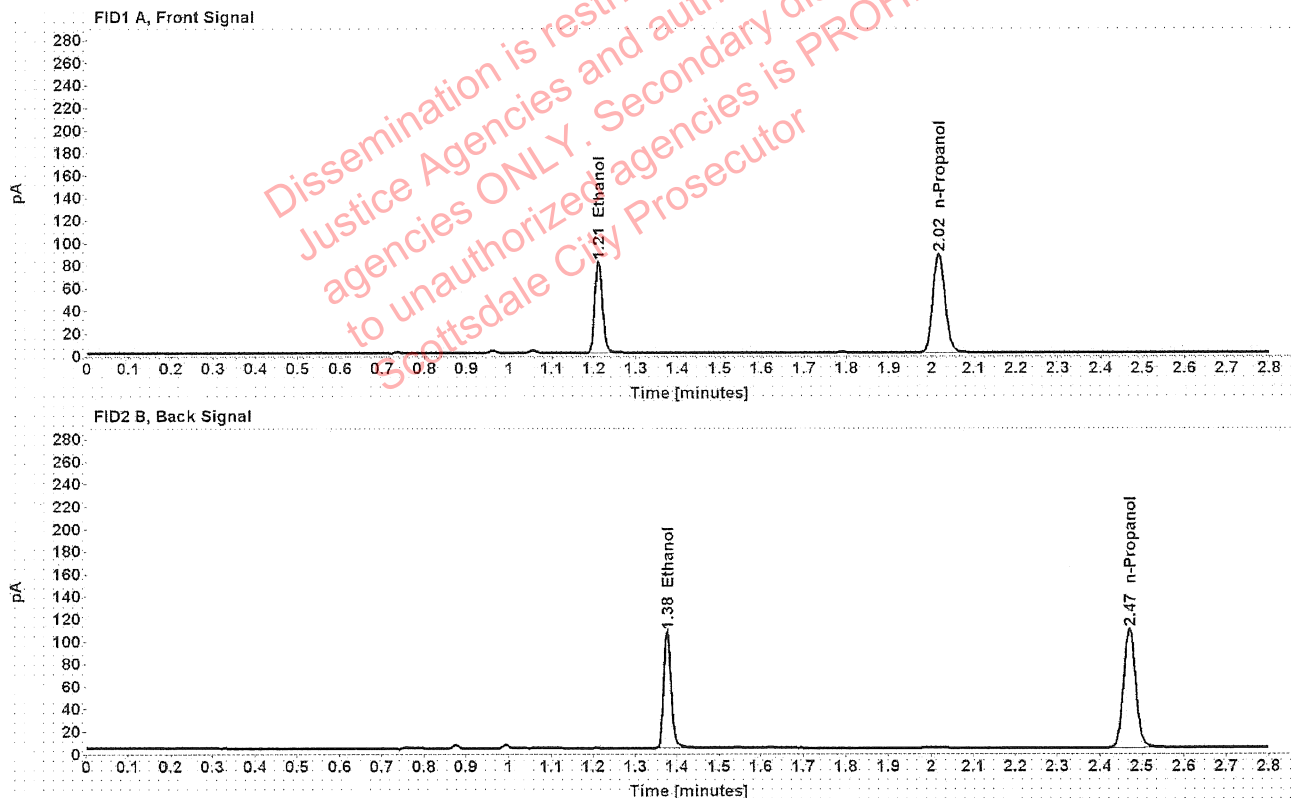


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1617	1.211	103.878
n-Propanol	-----	2.017	174.933

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

Compound	Time (min)	Peak Area
Ethanol	1.376	129.670
n-Propanol	2.470	215.040



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323064	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:44:12 PM
Data file:	C:\Chem32\1\Data\05Jun20\27.D	Analyst:	Canonico

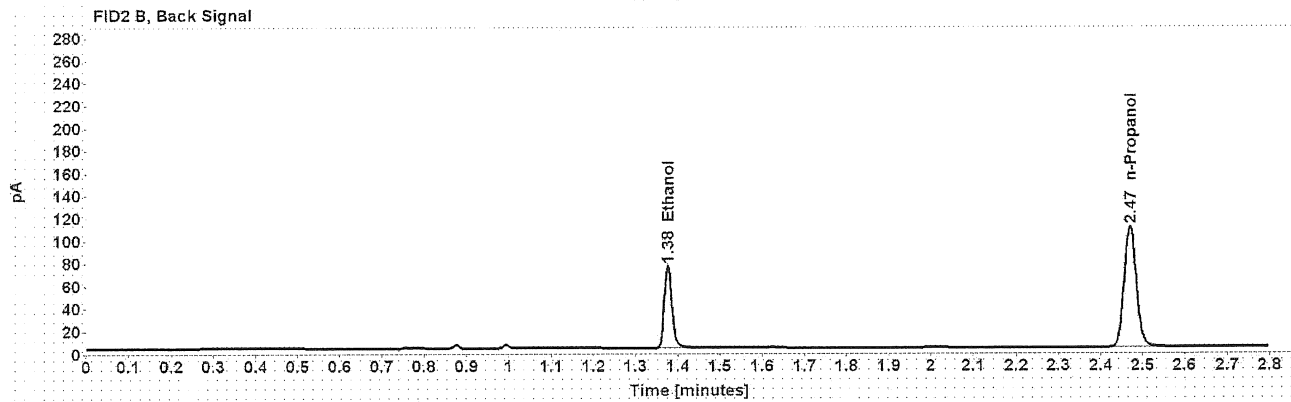
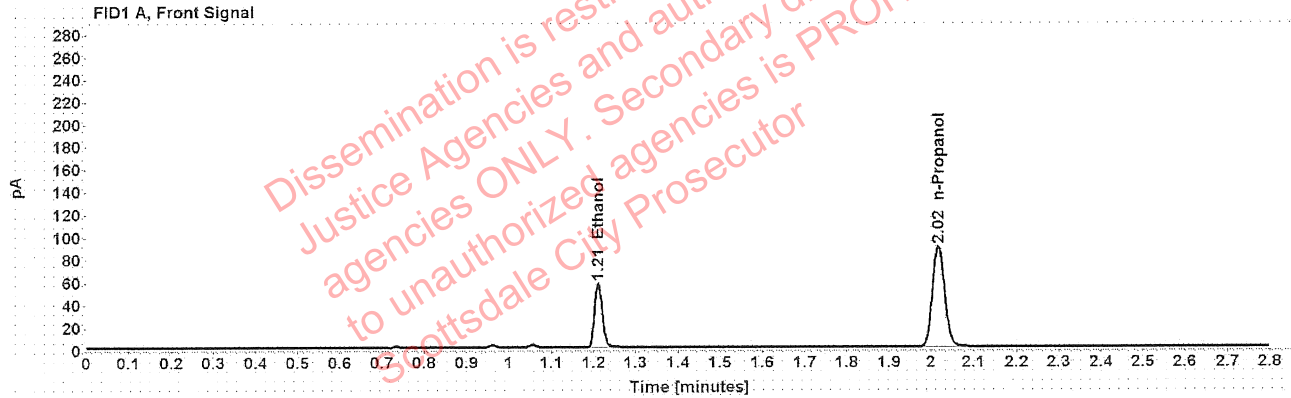


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1125	1.211	73.168
n-Propanol	-----	2.017	177.928

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

Compound	Time (min)	Peak Area
Ethanol	1.376	91.000
n-Propanol	2.470	218.441

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323064	Vial:	28
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:48:12 PM
Data file:	C:\Chem32\1\Data\05Jun20\28.D	Analyst:	Canonico

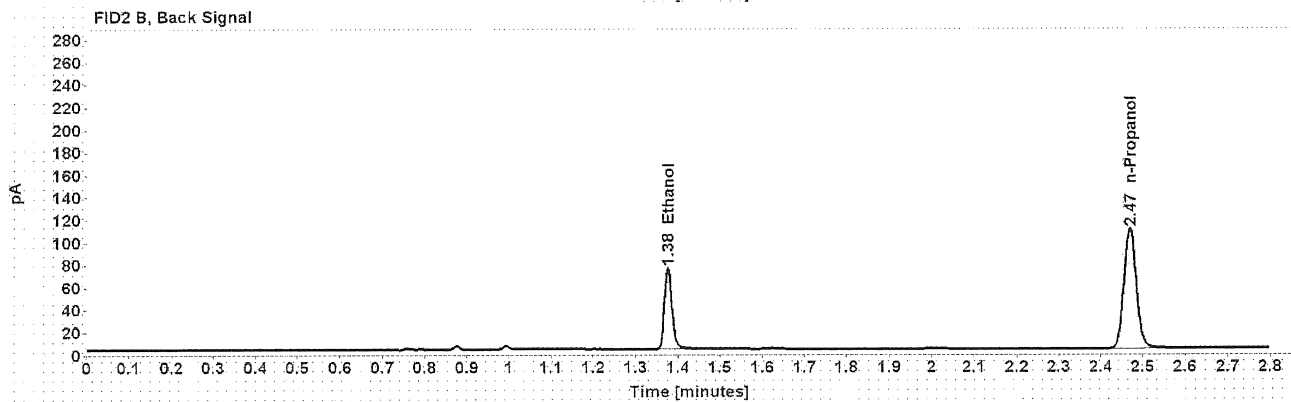
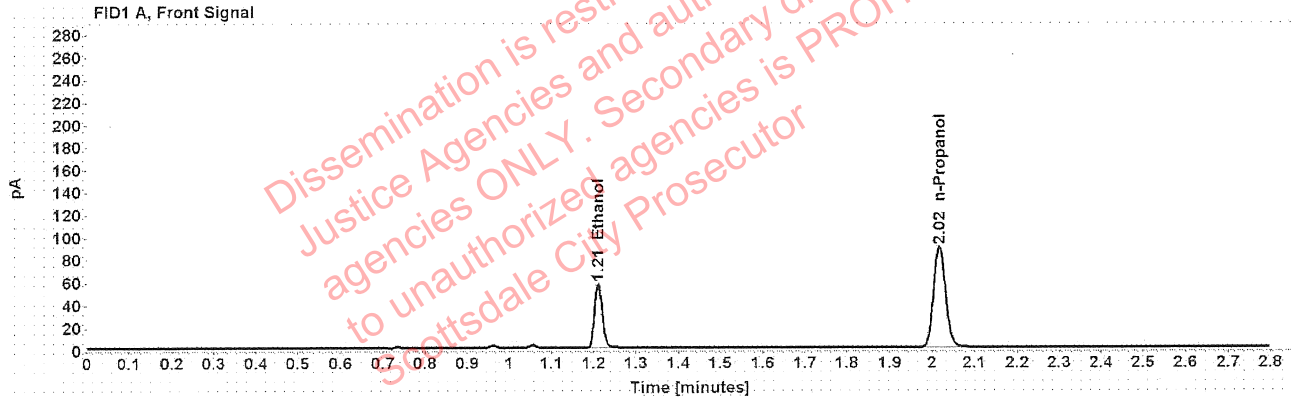


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1118	1.211	72.421
n-Propanol	-----	2.017	177.210

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

Compound	Time (min)	Peak Area
Ethanol	1.376	90.148
n-Propanol	2.470	217.521

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322669	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:52:12 PM
Data file:	C:\Chem32\1\Data\05Jun20\29.D	Analyst:	Canonico

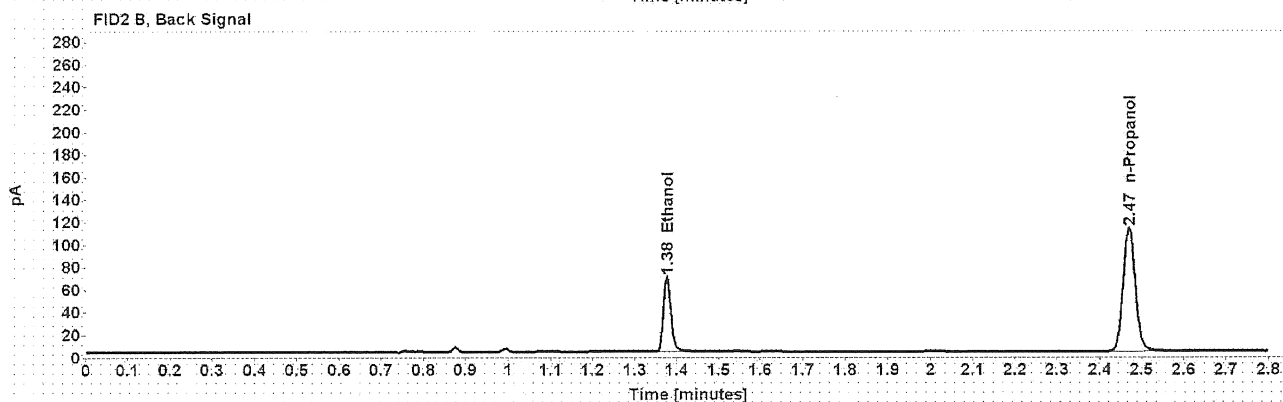
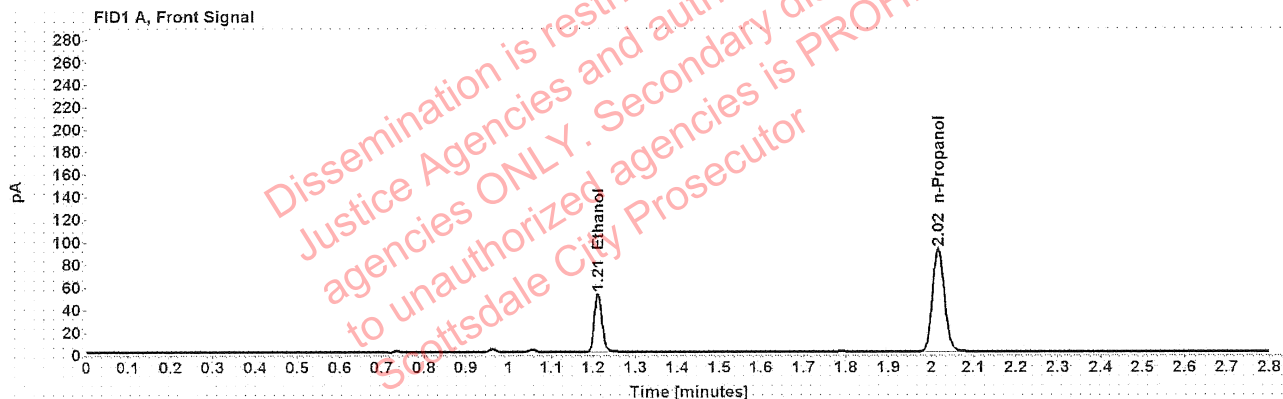


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1002	1.211	66.376
n-Propanol	-----	2.017	181.663

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

Compound	Time (min)	Peak Area
Ethanol	1.376	82.736
n-Propanol	2.470	222.698

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322669	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 1:56:12 PM
Data file:	C:\Chem32\1\Data\05Jun20\30.D	Analyst:	Canonico

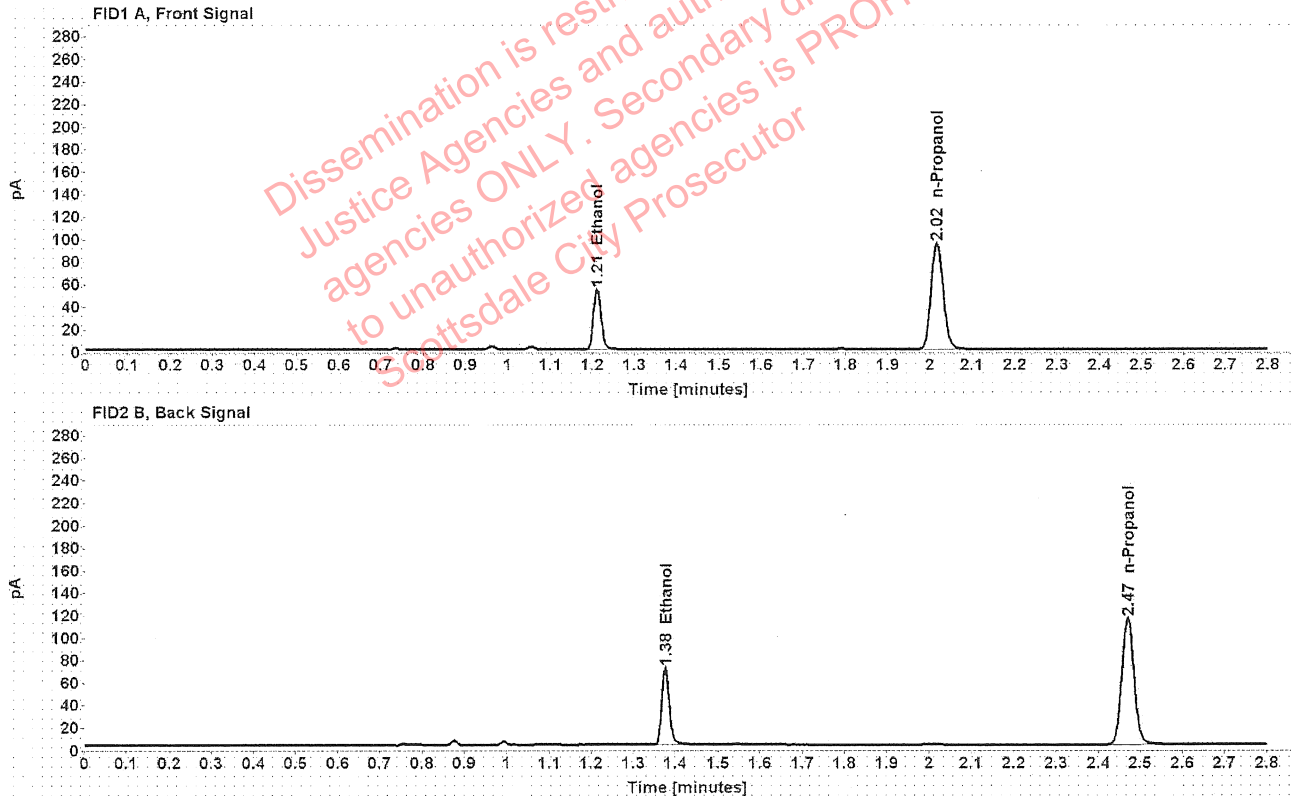


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1006	1.211	68.580
n-Propanol	-----	2.017	186.920

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

Compound	Time (min)	Peak Area
Ethanol	1.377	85.128
n-Propanol	2.470	229.187

Case: [REDACTED] User: ecanonico 6/8/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322831	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:04:28 PM
Data file:	C:\Chem32\1\Data\05Jun20\32.D	Analyst:	Canonico

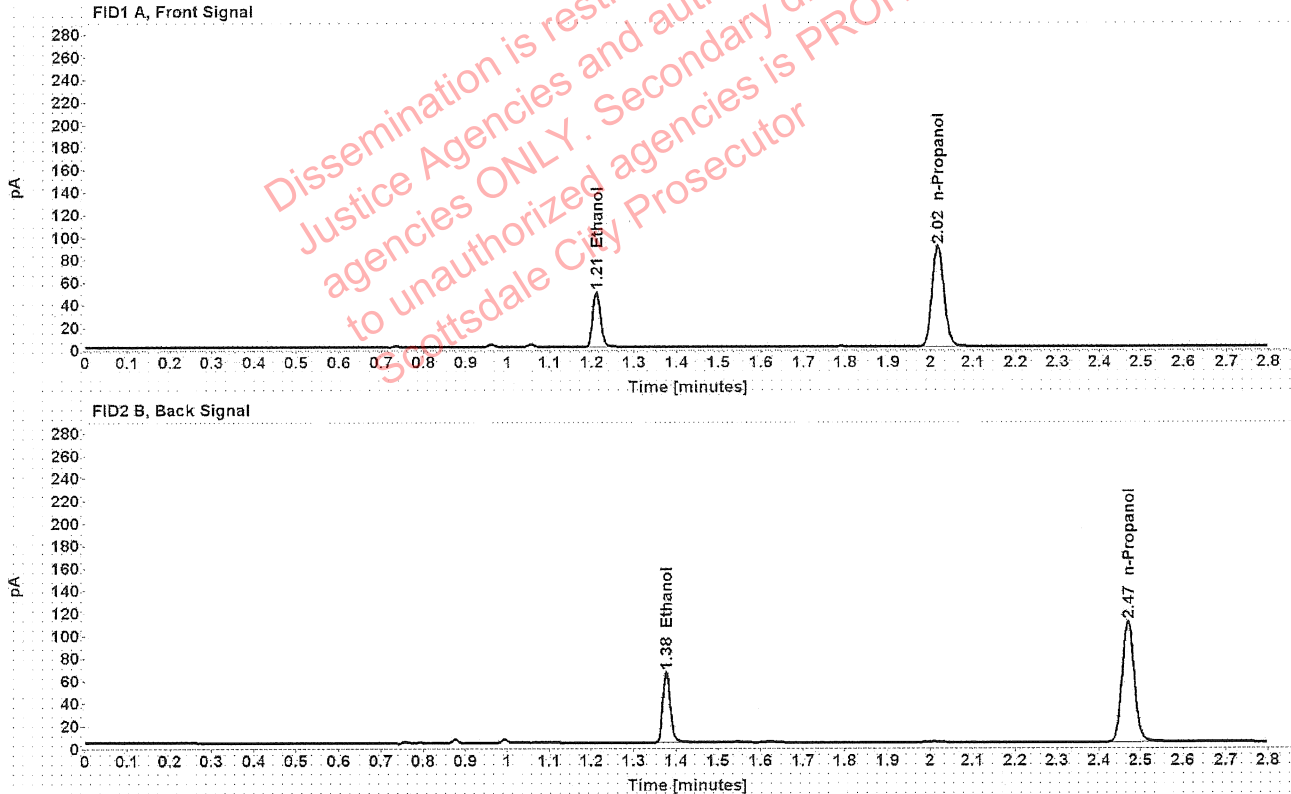


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0968	1.211	62.949
n-Propanol	-----	2.017	178.370

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

Compound	Time (min)	Peak Area
Ethanol	1.377	78.133
n-Propanol	2.469	218.128

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322831	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:08:27 PM
Data file:	C:\Chem32\1\Data\05Jun20\33.D	Analyst:	Canonico

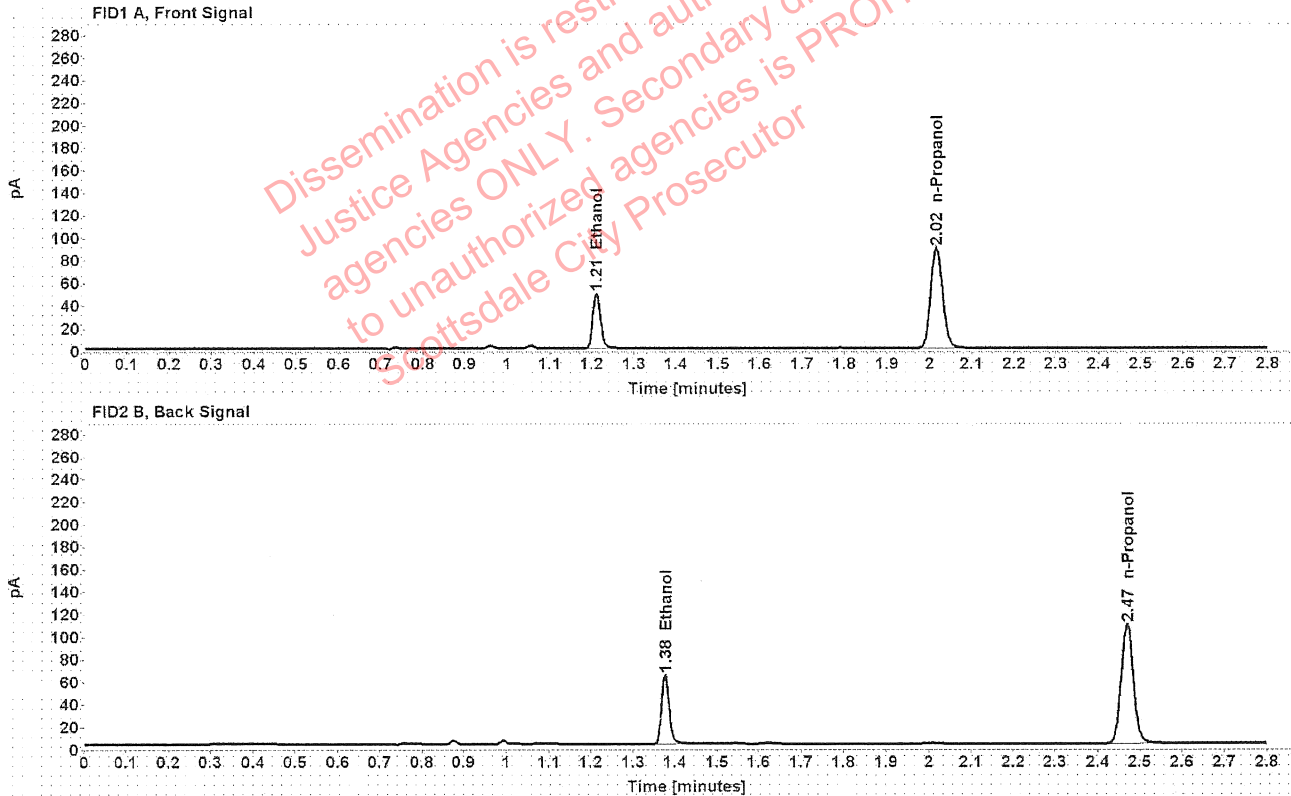


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0967	1.211	62.182
n-Propanol	-----	2.017	176.449

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

Compound	Time (min)	Peak Area
Ethanol	1.376	77.164
n-Propanol	2.469	215.869



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322620	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:12:28 PM
Data file:	C:\Chem32\1\Data\05Jun20\34.D	Analyst:	Canonico

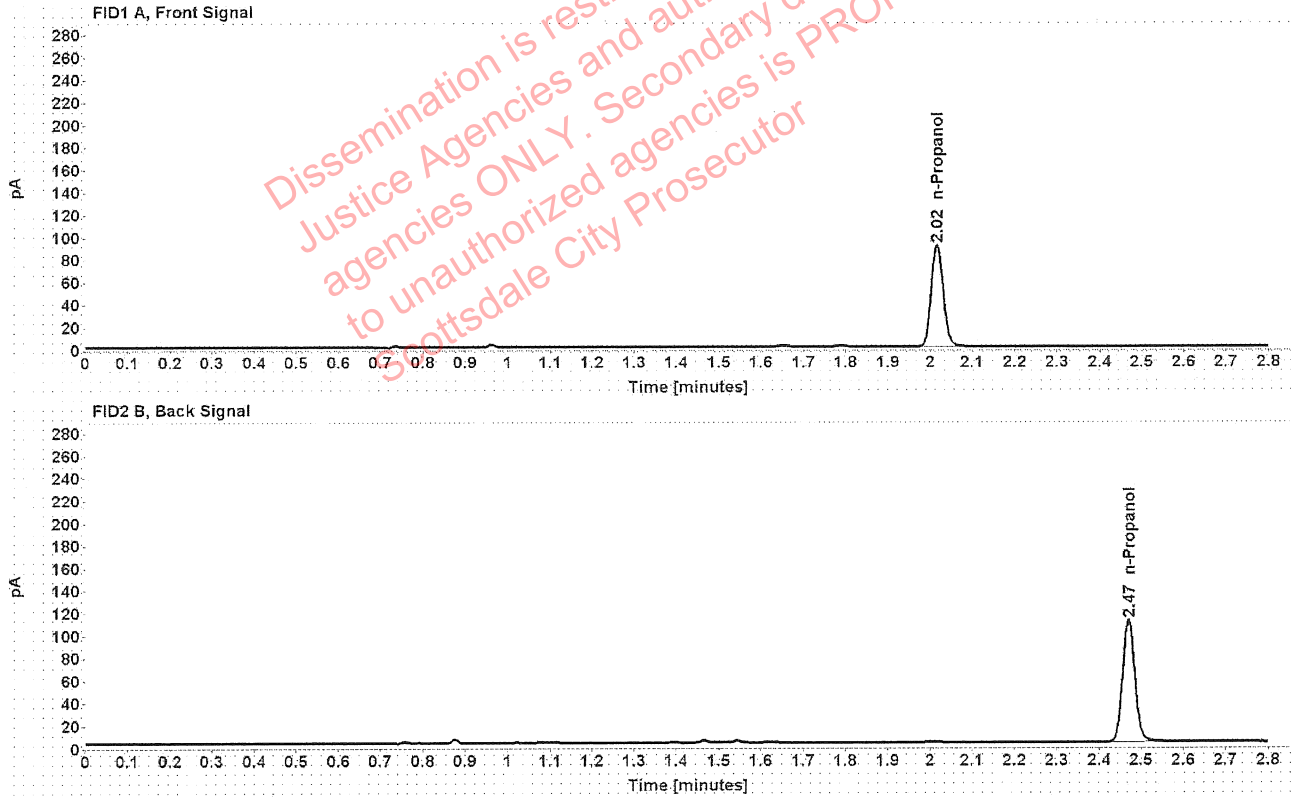


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	180.170

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	220.978

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322620	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:16:27 PM
Data file:	C:\Chem32\1\Data\05Jun20\35.D	Analyst:	Canonico

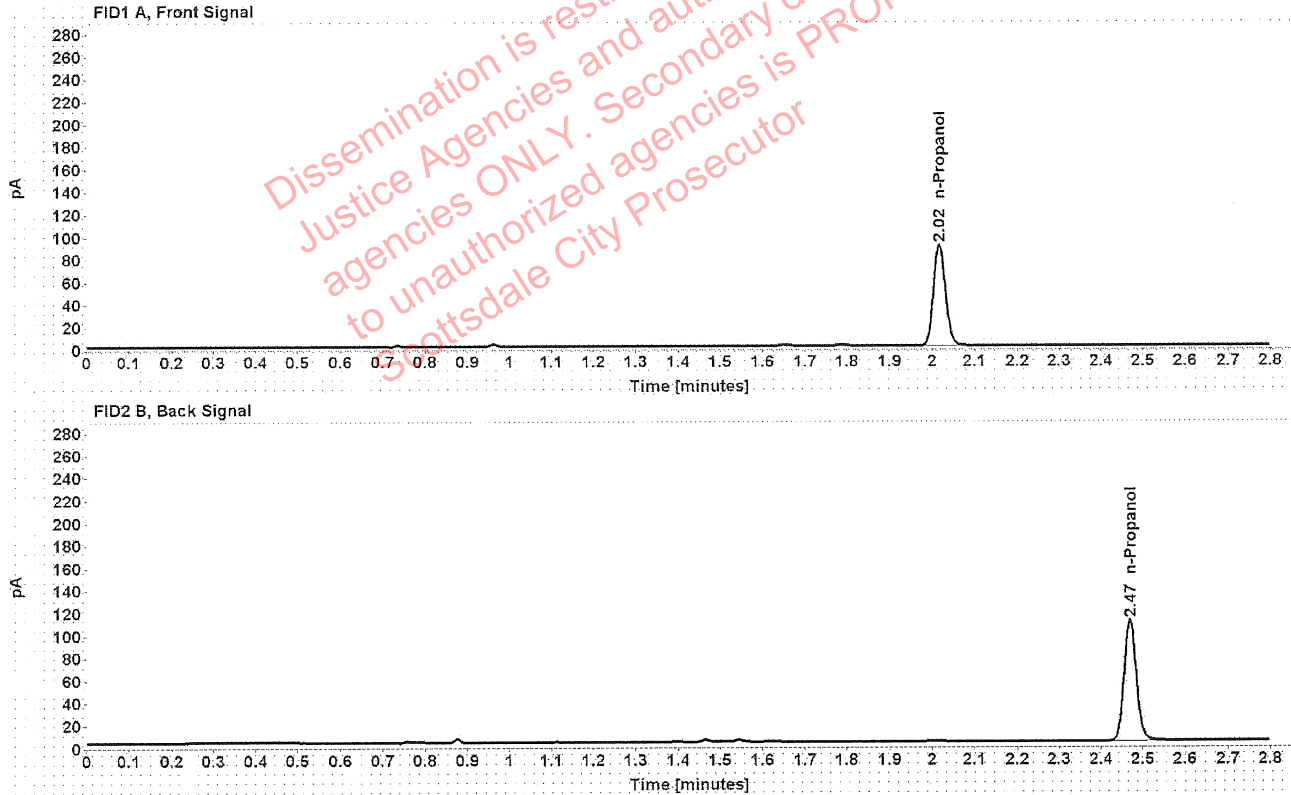


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	178.956

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	219.727

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323729	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:20:27 PM
Data file:	C:\Chem32\1\Data\05Jun20\36.D	Analyst:	Canonico

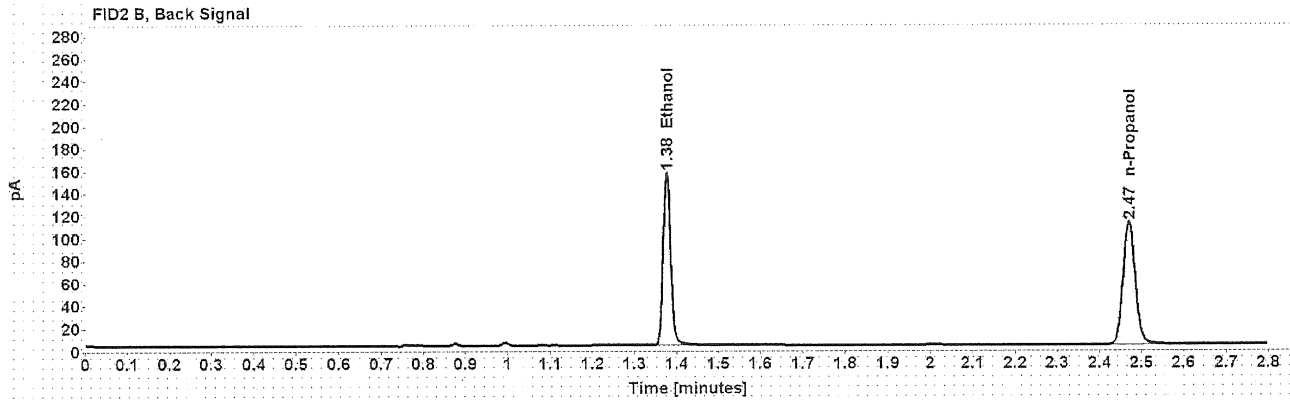
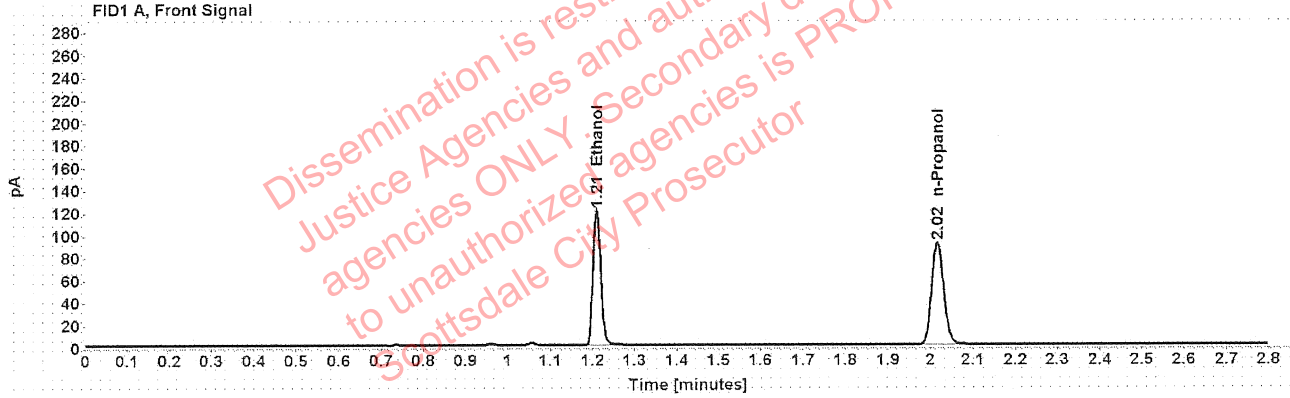


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2299	1.210	153.361
n-Propanol	-----	2.017	181.139

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

Compound	Time (min)	Peak Area
Ethanol	1.376	191.525
n-Propanol	2.469	221.768

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323729	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:24:43 PM
Data file:	C:\Chem32\1\Data\05Jun20\37.D	Analyst:	Canonico

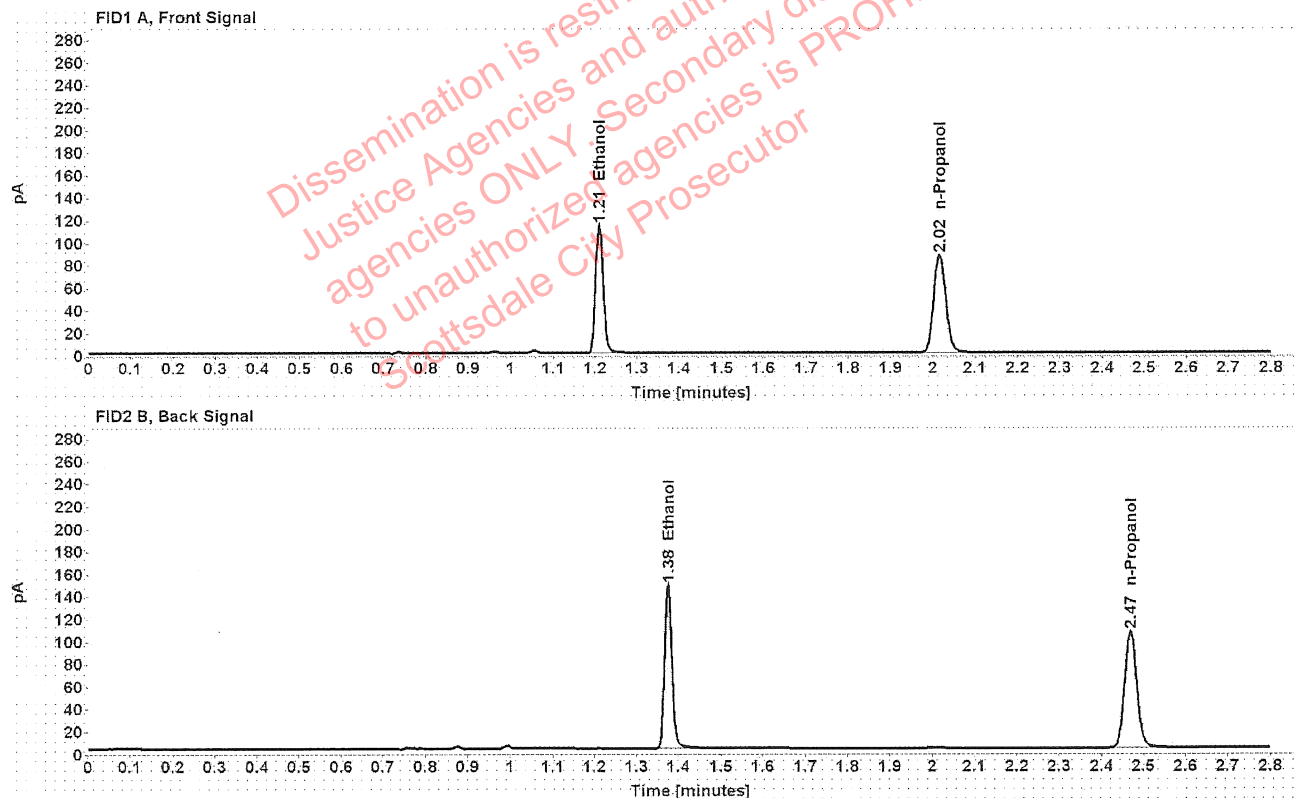


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2273	1.210	144.913
n-Propanol	-----	2.016	173.139

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

Compound	Time (min)	Peak Area
Ethanol	1.375	181.003
n-Propanol	2.468	211.596

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1323931	Vial: 38
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 05Jun20
Instrument: US14173023 CN14160045	Injection date: 6/5/2020 2:28:42 PM
Data file: C:\Chem32\1\Data\05Jun20\38.D	Analyst: Canonico

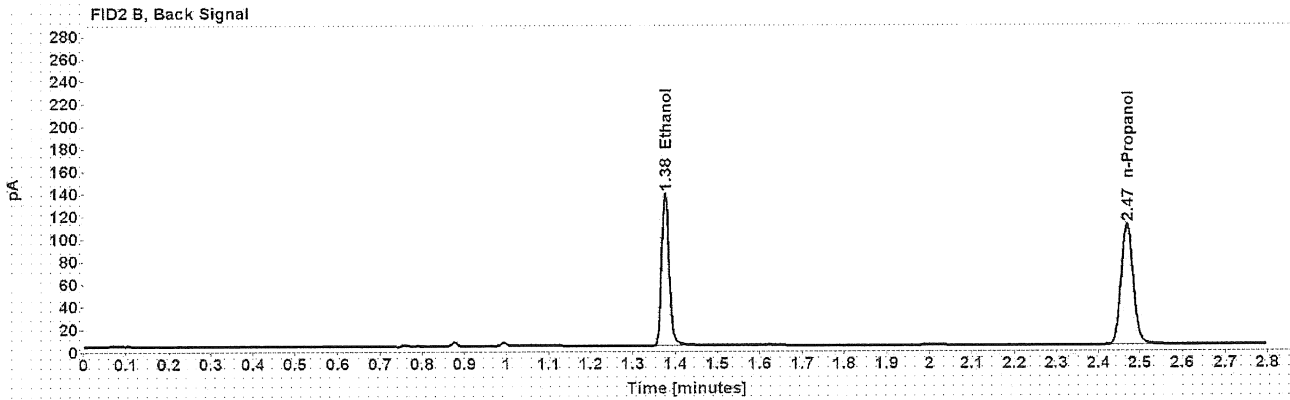
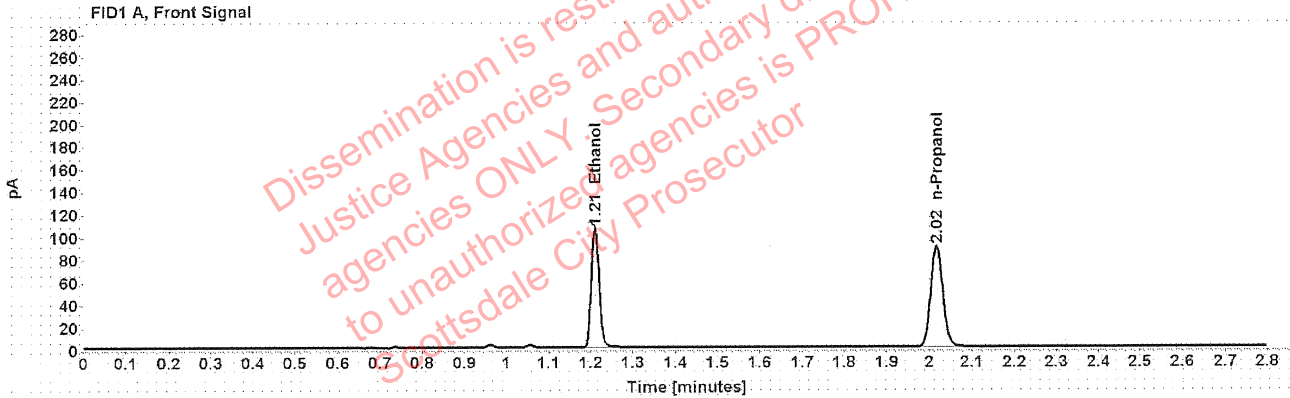


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2073	1.210	135.613
n-Propanol	-----	2.016	177.792

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

Compound	Time (min)	Peak Area
Ethanol	1.376	169.007
n-Propanol	2.469	217.519

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323931	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:32:42 PM
Data file:	C:\Chem32\1\Data\05Jun20\39.D	Analyst:	Canonico

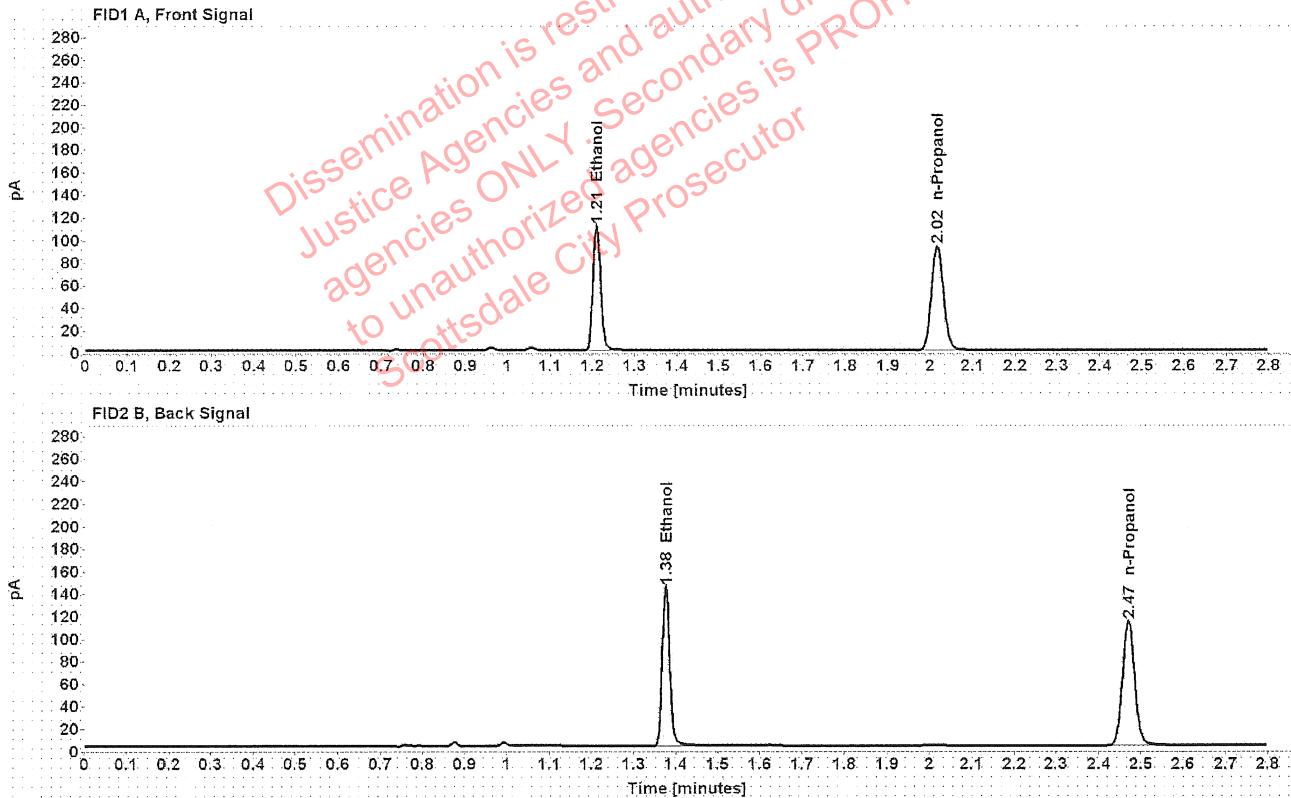


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2086	1.210	141.574
n-Propanol	-----	2.017	184.426

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

Compound	Time (min)	Peak Area
Ethanol	1.376	178.315
n-Propanol	2.469	225.788



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323988	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:36:42 PM
Data file:	C:\Chem32\1\Data\05Jun20\40.D	Analyst:	Canonico

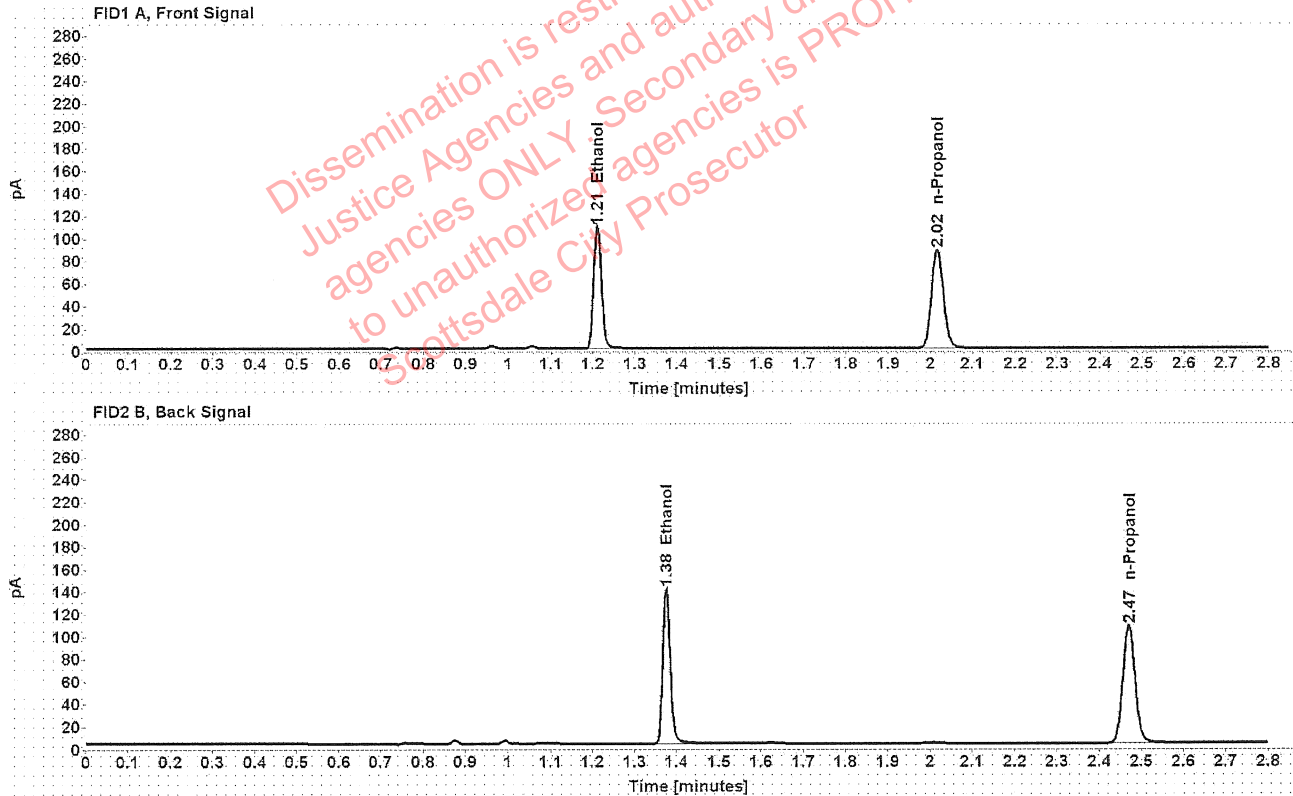


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2156	1.210	138.066
n-Propanol	-----	2.016	173.992

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

Compound	Time (min)	Peak Area
Ethanol	1.376	173.913
n-Propanol	2.469	213.321

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323988	Vial:	41
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	05Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/5/2020 2:40:42 PM
Data file:	C:\Chem32\1\Data\05Jun20\41.D	Analyst:	Canonico

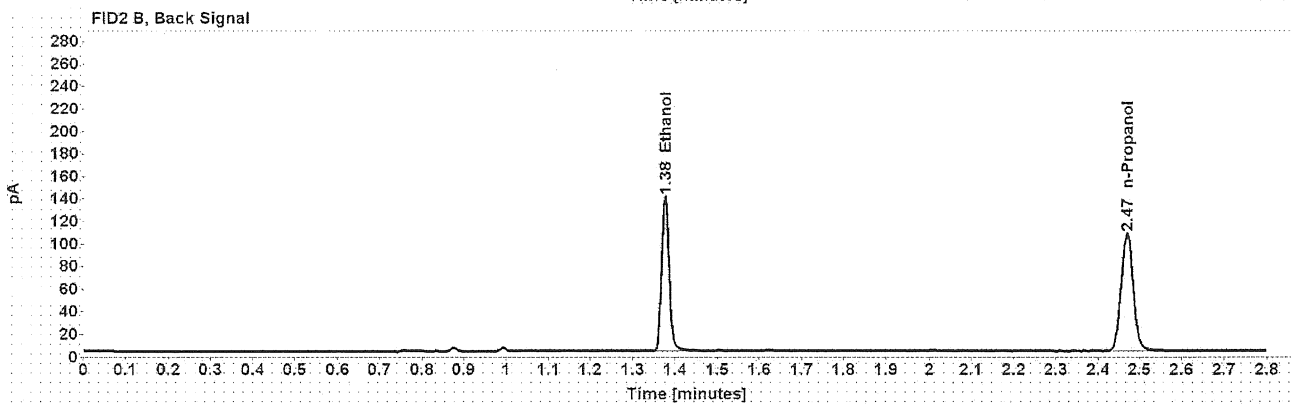
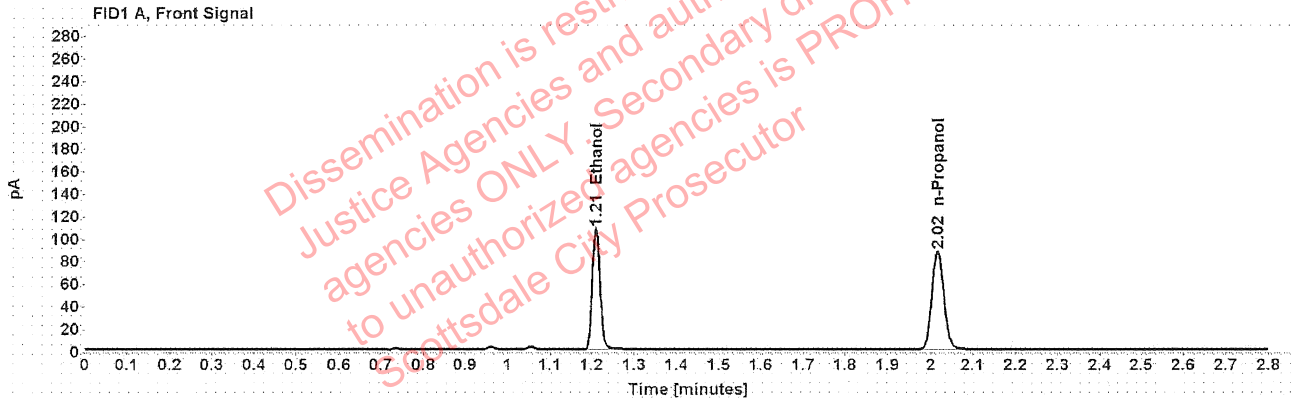


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2151	1.210	137.085
n-Propanol	-----	2.016	173.134

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

Compound	Time (min)	Peak Area
Ethanol	1.376	172.654
n-Propanol	2.469	212.467