

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 06/19/2020 SEQUENCE NAME 19Jun20

**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 0.99999  
 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	0.400 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	0.200 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	0.203 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 Canonicas Analyst  
 Run valid  Run invalid  [Signature] Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

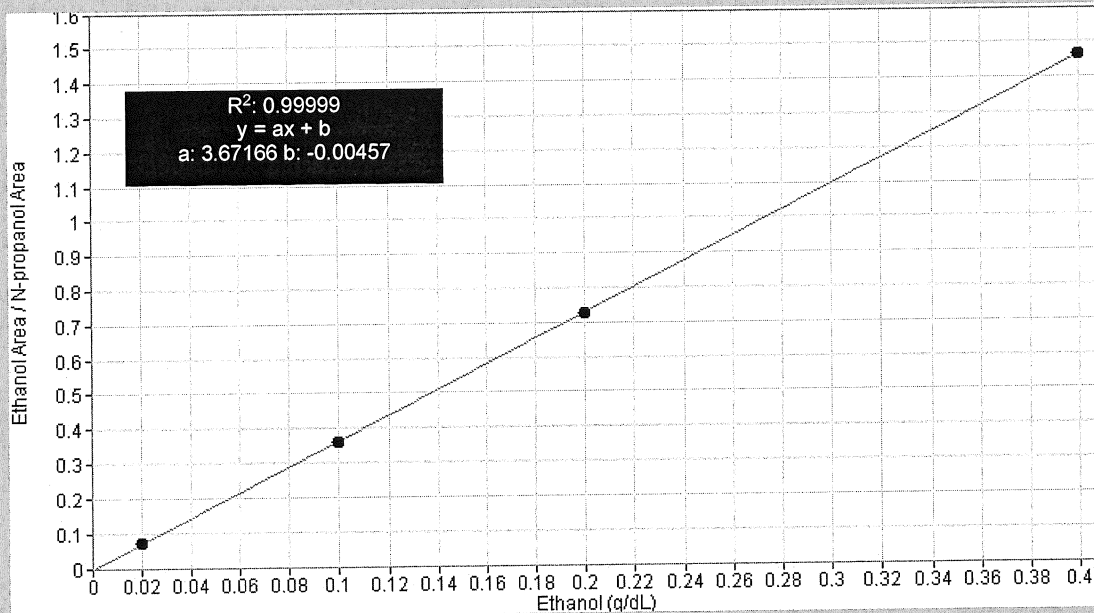
SEQUENCE NAME: 19Jun20

ANALYST: Canonico ee

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	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.198 407041529/13	9	0.200	0.198	1.01	0.002
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	0.203	0.198	2.53	0.005
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.769	165.555	0.071
0.100	60.009	166.535	0.360
0.200	122.102	167.512	0.729
0.400	243.862	166.462	1.465

### 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> 19Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/19/2020 12:07:08 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico <i>ee</i>
<b>Data file:</b> C:\Chem32\1\Data\19Jun20\1.D	

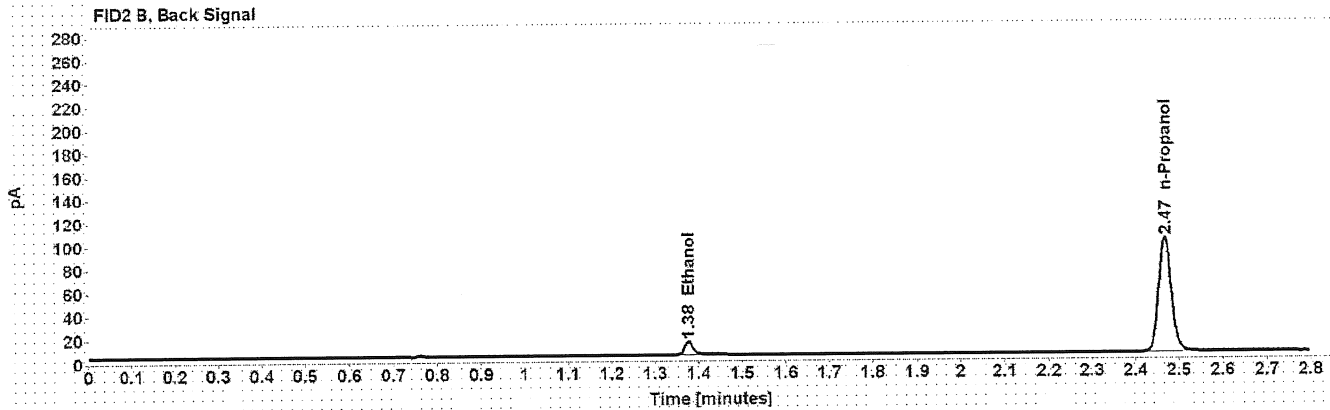
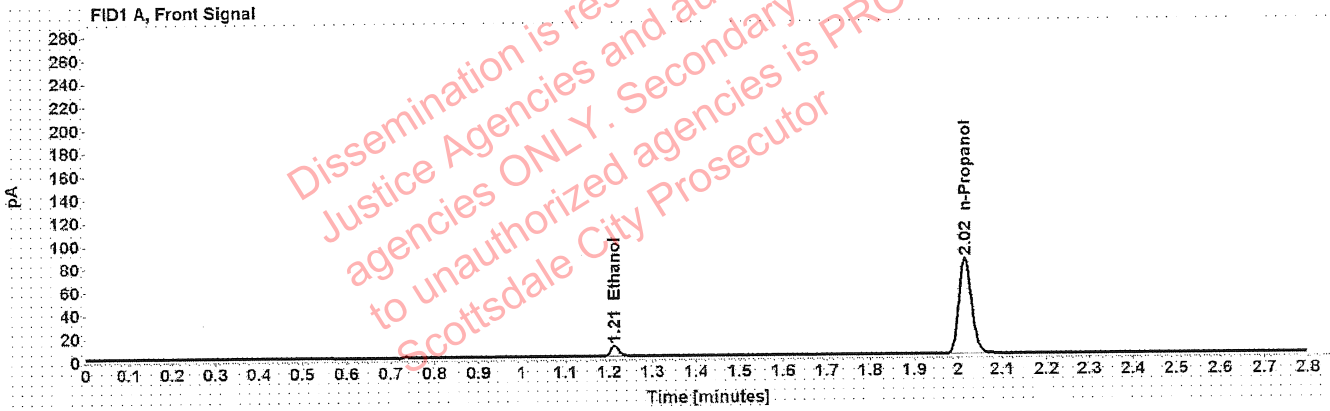


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.769
n-Propanol	2.016	165.555

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.572
n-Propanol	2.468	200.514

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 19Jun20
Method: ethanol quant.M	Injection date: 6/19/2020 12:11:08 PM
Instrument: US14173023 CN14160045	Analyst: Canonico <i>ec</i>
Data file: C:\Chem32\1\Data\19Jun20\2.D	

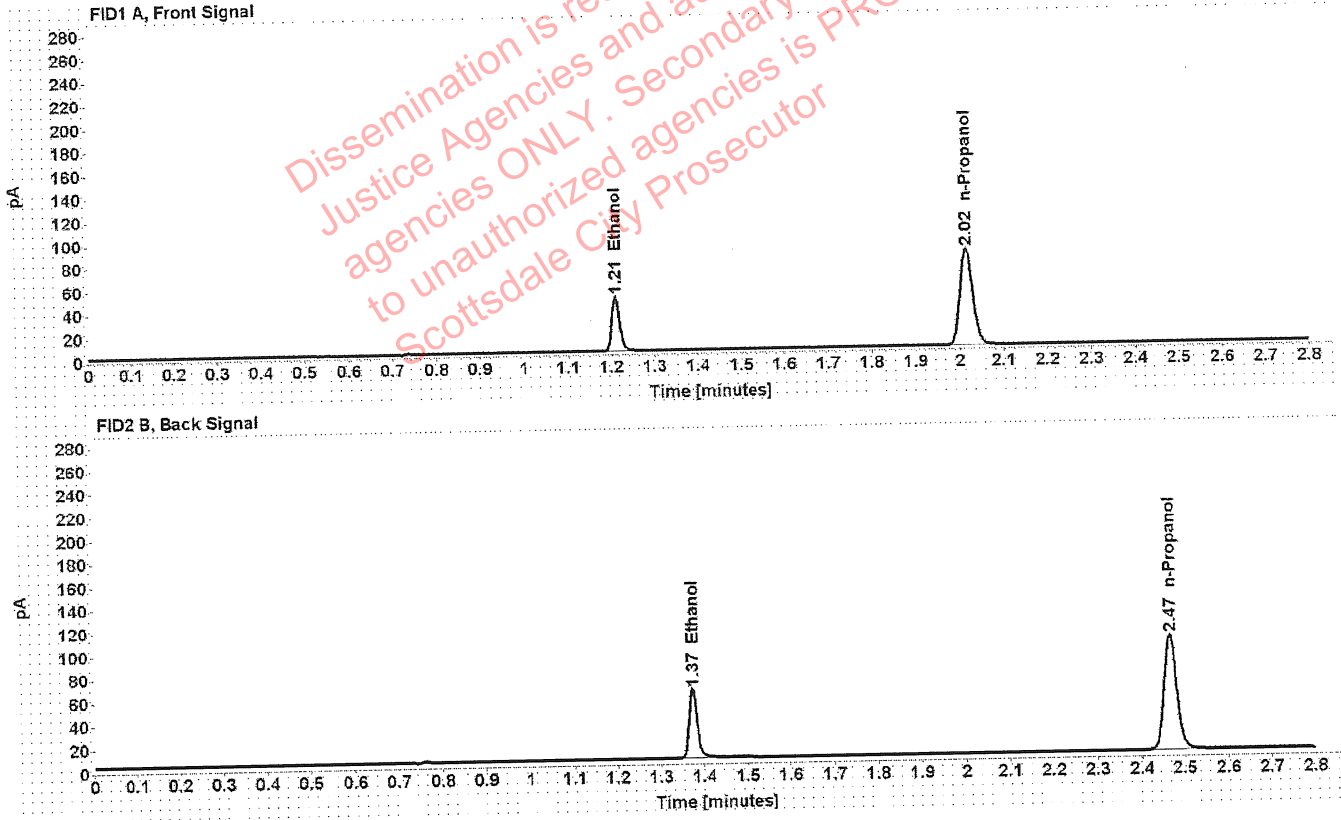


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.009
n-Propanol	2.015	166.535

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

Compound	Time (min)	Peak Area
Ethanol	1.374	74.936
n-Propanol	2.467	202.394

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 19Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/19/2020 12:15:08 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico ee
<b>Data file:</b> C:\Chem32\1\Data\19Jun20\3.D	

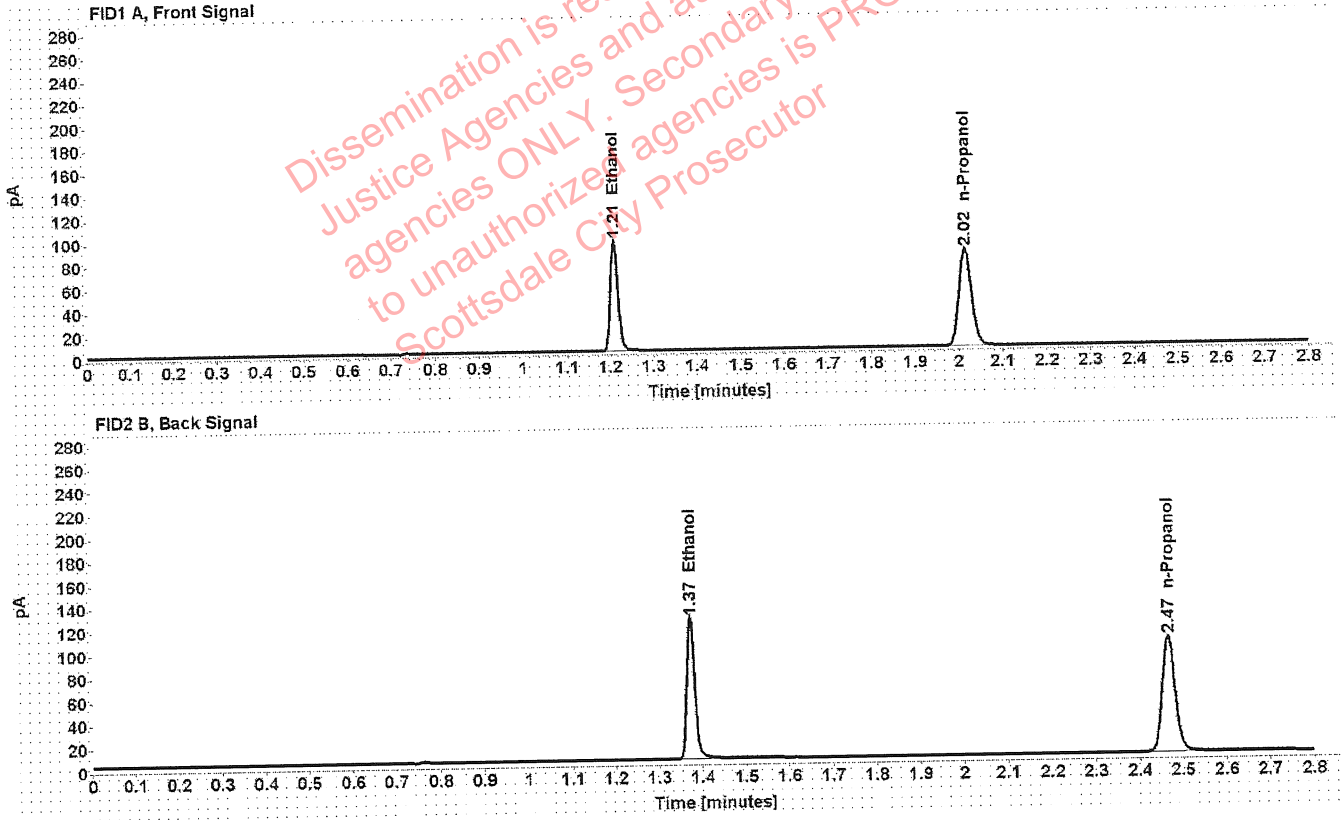


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	122.102
n-Propanol	2.015	167.512

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

Compound	Time (min)	Peak Area
Ethanol	1.373	152.620
n-Propanol	2.467	203.606

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 19Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/19/2020 12:19:08 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico ee
<b>Data file:</b> C:\Chem32\1\Data\19Jun204.D	

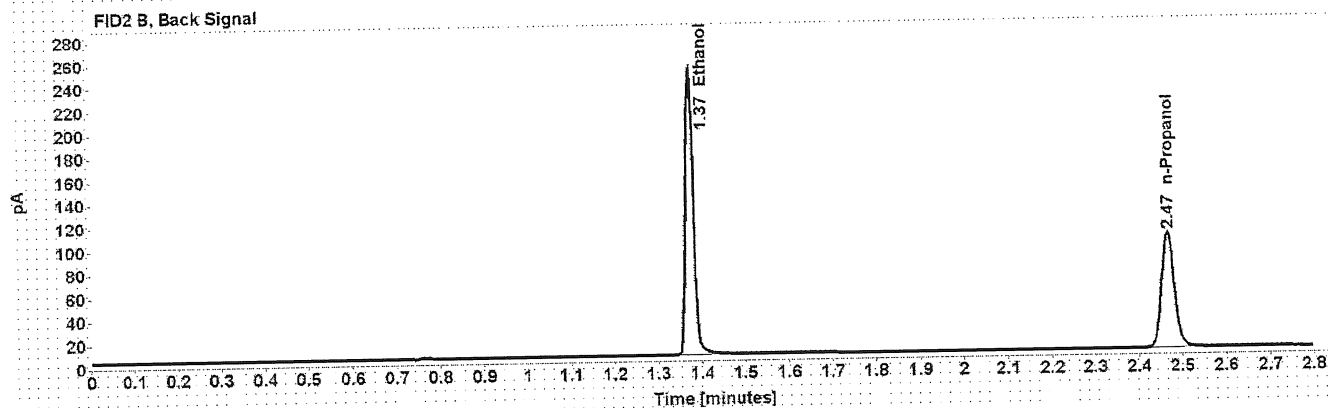
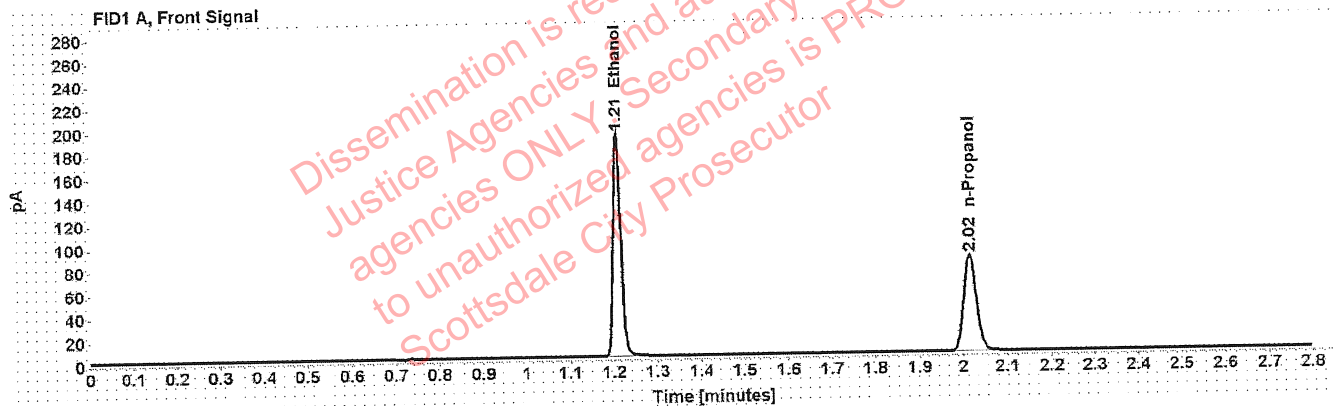


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	243.862
n-Propanol	2.015	166.462

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

Compound	Time (min)	Peak Area
Ethanol	1.373	305.895
n-Propanol	2.467	202.575

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040720AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:23:08 PM
Data file: C:\Chem32\1\Data\19Jun20\5.D	Analyst: Canonico <i>ec</i>

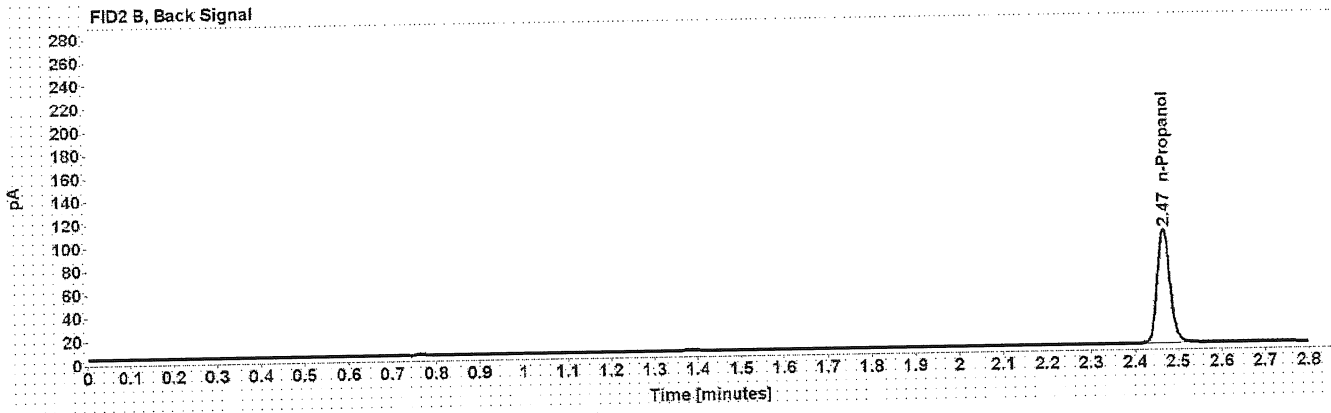
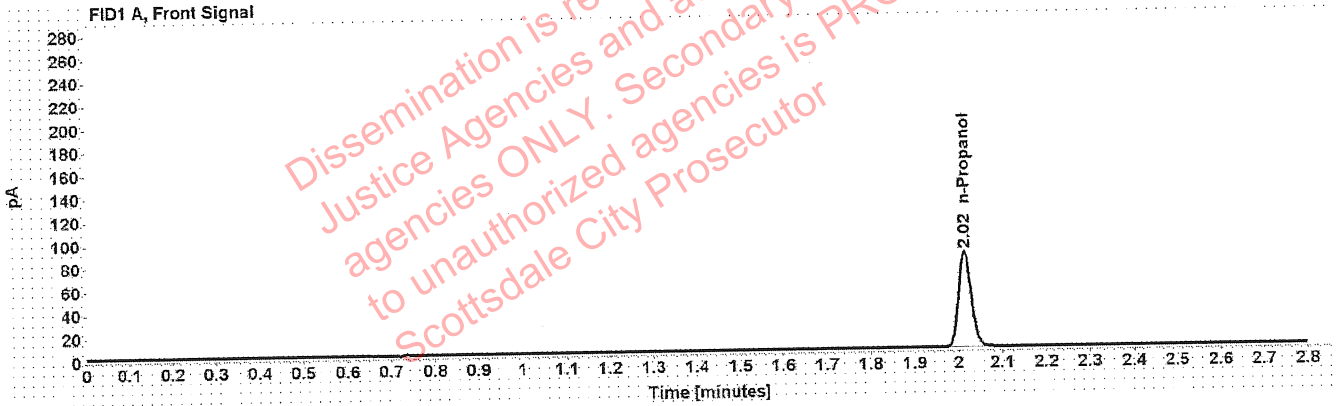


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	165.178

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	200.599

# 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> 19Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/19/2020 12:27:08 PM
<b>Data file:</b> C:\Chem32\1\Data\19Jun20\6.D	<b>Analyst:</b> Canonico <i>ec</i>

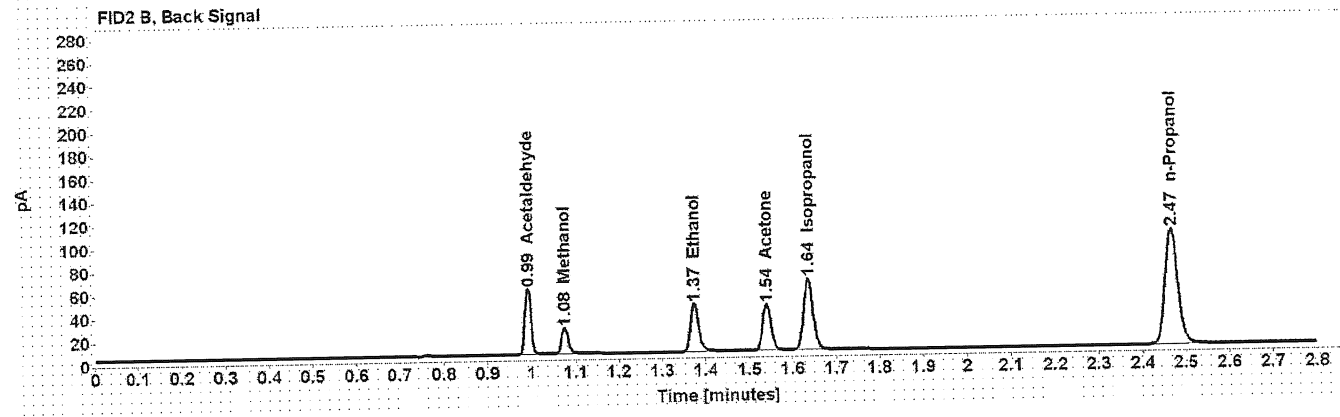
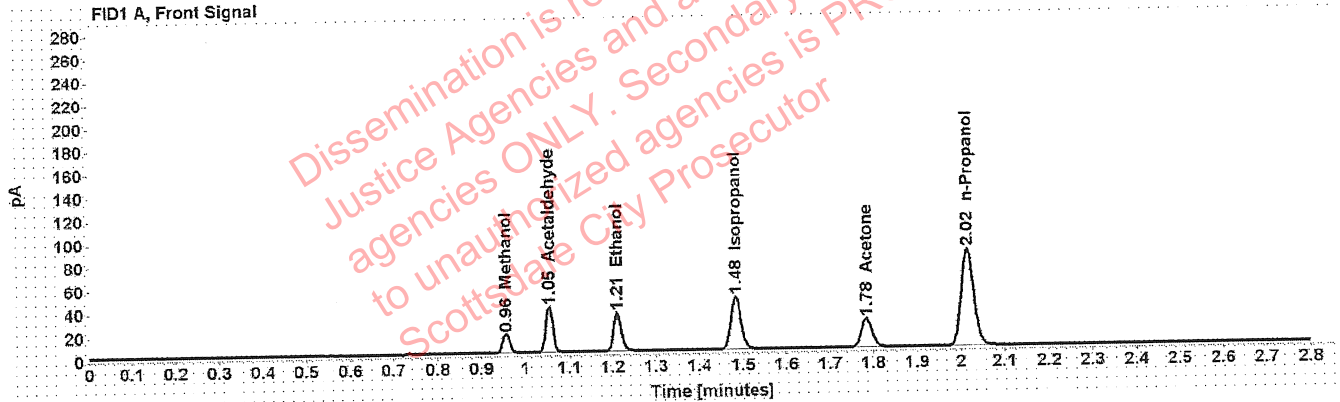


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.675
Acetaldehyde	-----	1.054	42.704
>Ethanol	0.0704	1.210	42.361
Isopropanol	-----	1.483	72.725
Acetone	-----	1.784	42.302
n-Propanol	-----	2.015	166.815

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	55.614
Methanol	1.076	24.200
Ethanol	1.374	52.511
Acetone	1.541	52.696
Isopropanol	1.636	93.419
n-Propanol	2.467	203.098



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:31:23 PM
Data file: C:\Chem32\1\Data\19Jun20\7.D	Analyst: Canonico <i>ee</i>

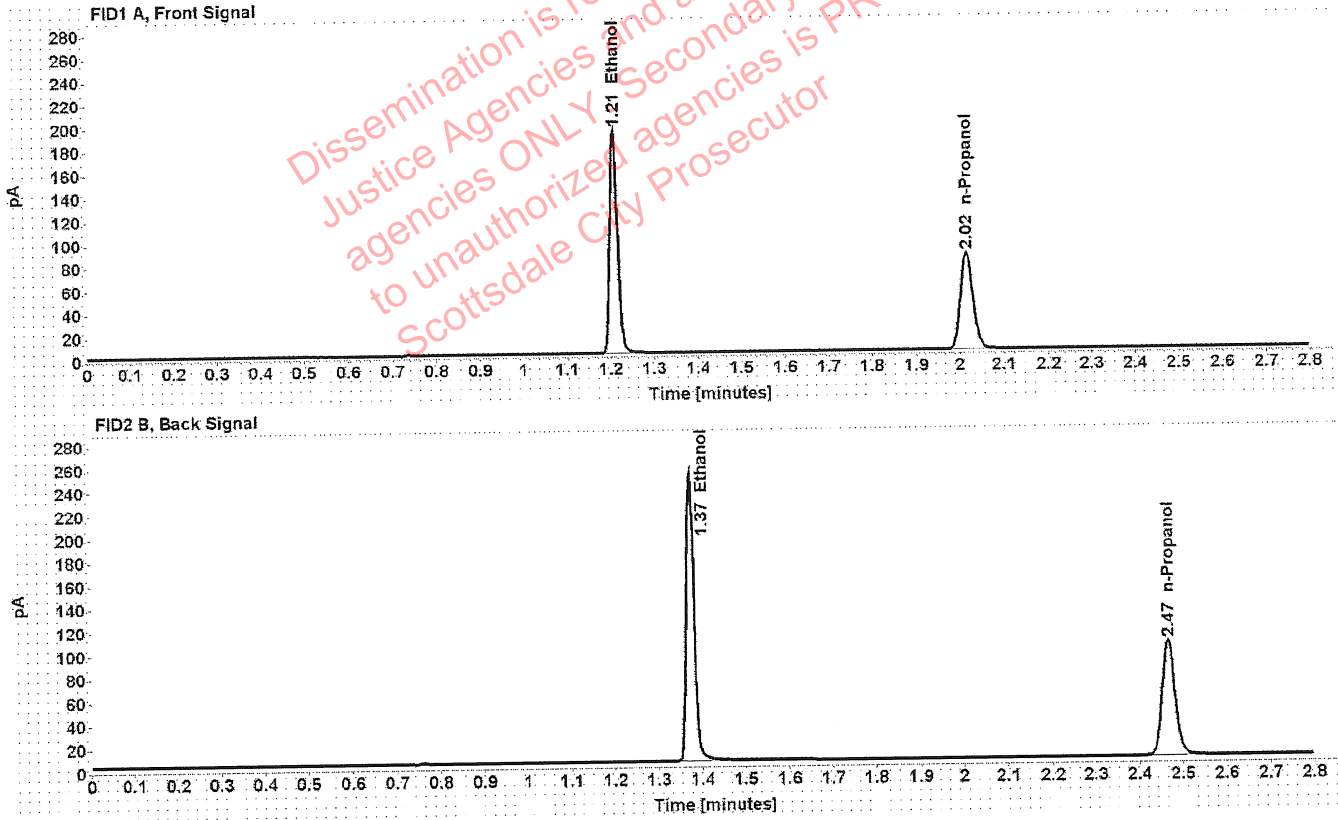


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4008	1.208	245.298
n-Propanol	-----	2.015	167.220

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

Compound	Time (min)	Peak Area
Ethanol	1.373	306.982
n-Propanol	2.467	203.356

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:35:23 PM
Data file: C:\Chem32\1\Data\19Jun20\8.D	Analyst: Canonico <i>ec</i>

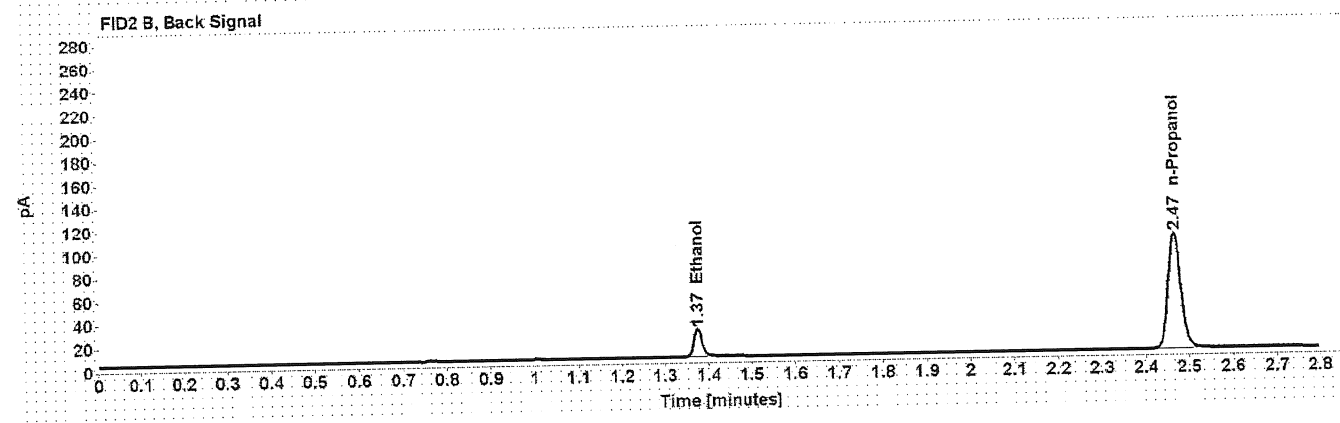
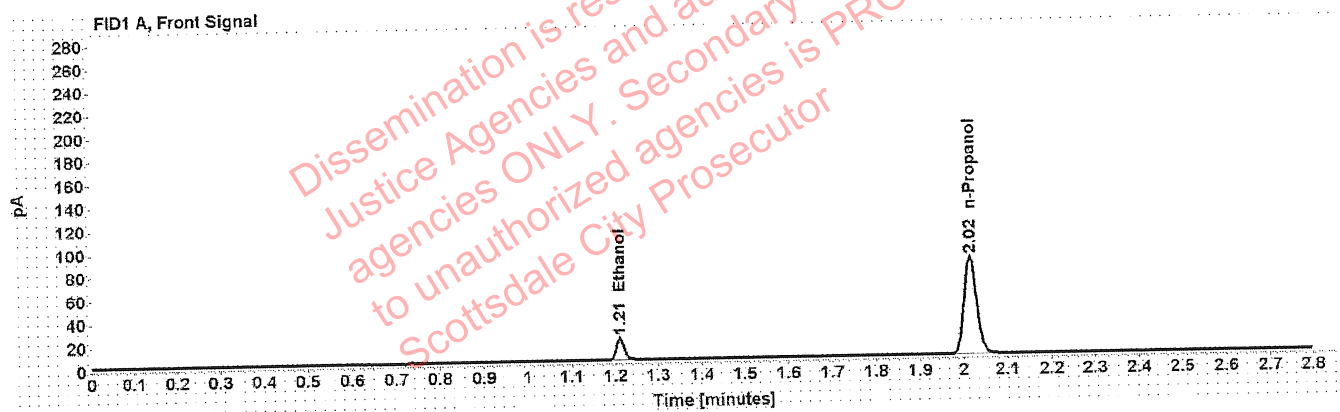


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.211	24.520
n-Propanol	-----	2.015	167.896

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

Compound	Time (min)	Peak Area
Ethanol	1.375	30.382
n-Propanol	2.467	203.871

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:39:23 PM
Data file: C:\Chem32\1\Data\19Jun20\9.D	Analyst: Canonico <i>ec</i>

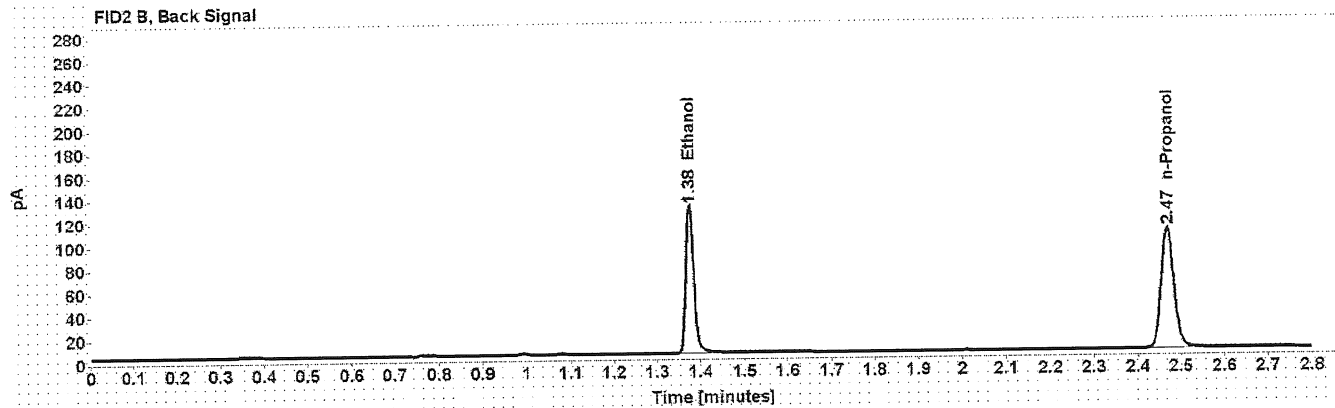
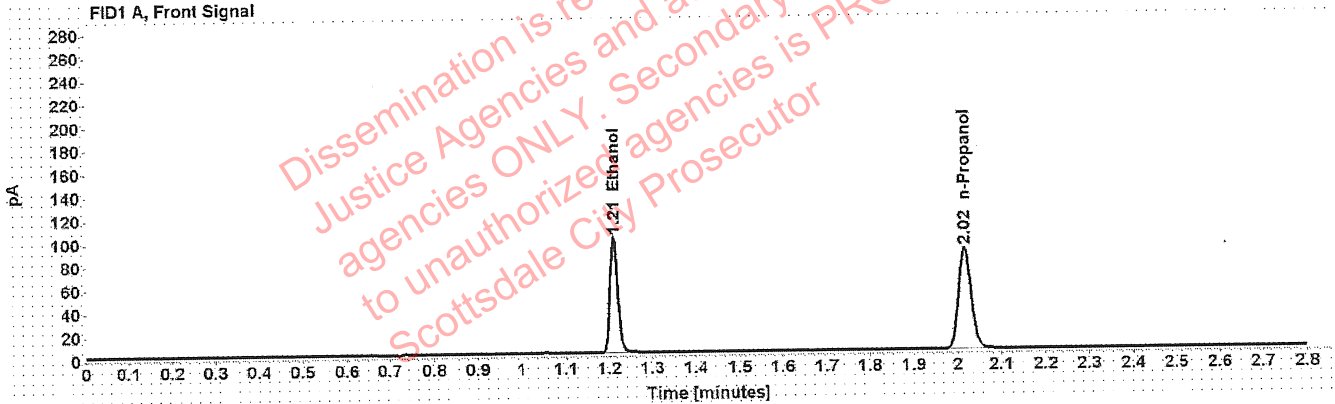


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2009	1.211	127.901
n-Propanol	-----	2.017	174.433

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

Compound	Time (min)	Peak Area
Ethanol	1.376	159.857
n-Propanol	2.469	211.816

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:23:53 PM
Data file: C:\Chem32\1\Data\19Jun20\20.D	Analyst: Canonico <i>ec</i>

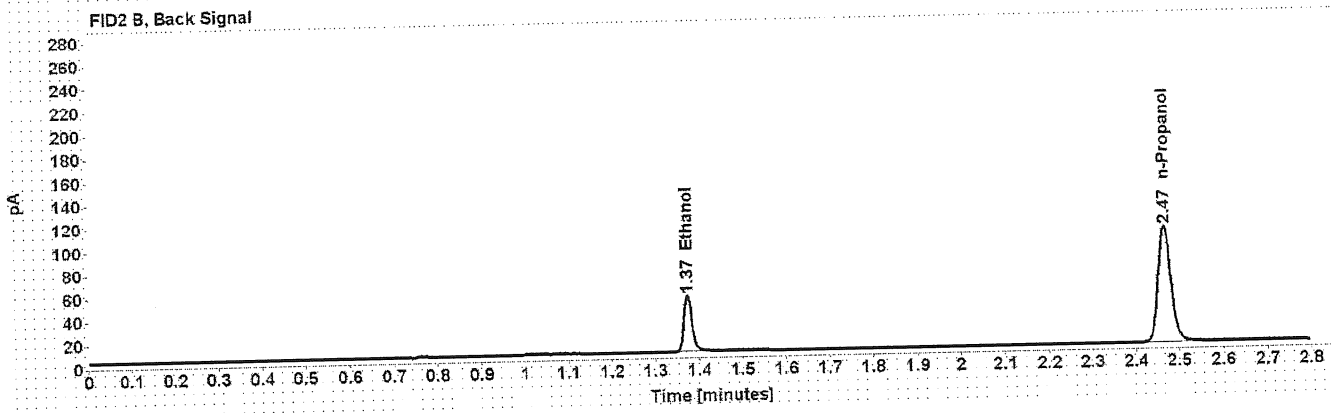
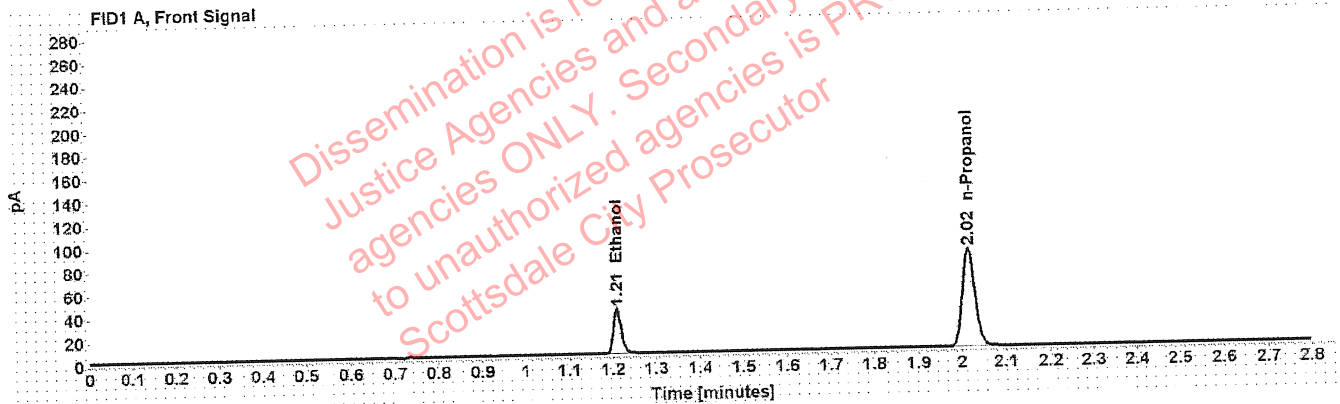


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.210	49.581
n-Propanol	-----	2.015	169.490

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.552
n-Propanol	2.467	205.141

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 2:08:23 PM
Data file: C:\Chem32\1\Data\19Jun20\31.D	Analyst: Canonico <i>ec</i>

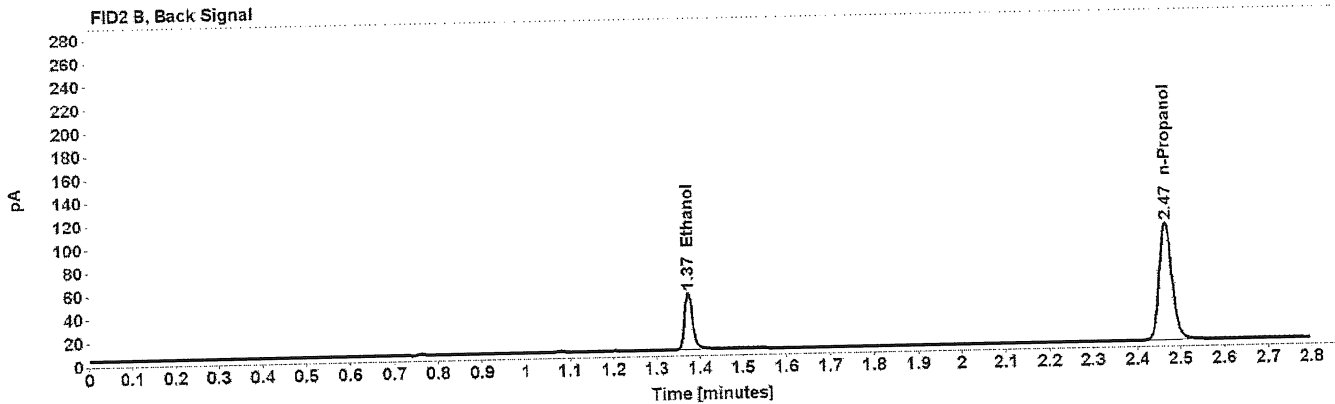
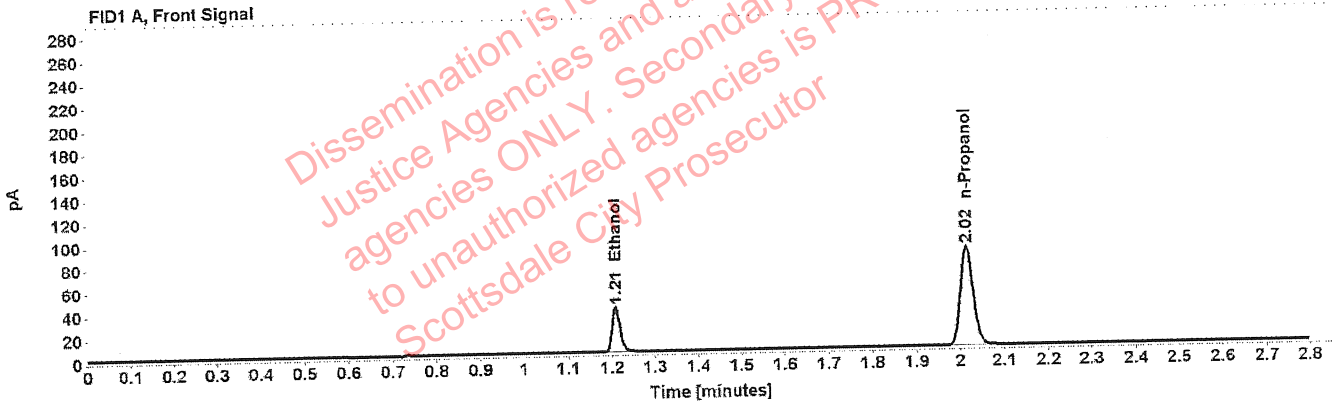


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.210	50.246
n-Propanol	-----	2.015	171.726

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.248
n-Propanol	2.467	207.679

# 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> 19Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/19/2020 2:52:39 PM
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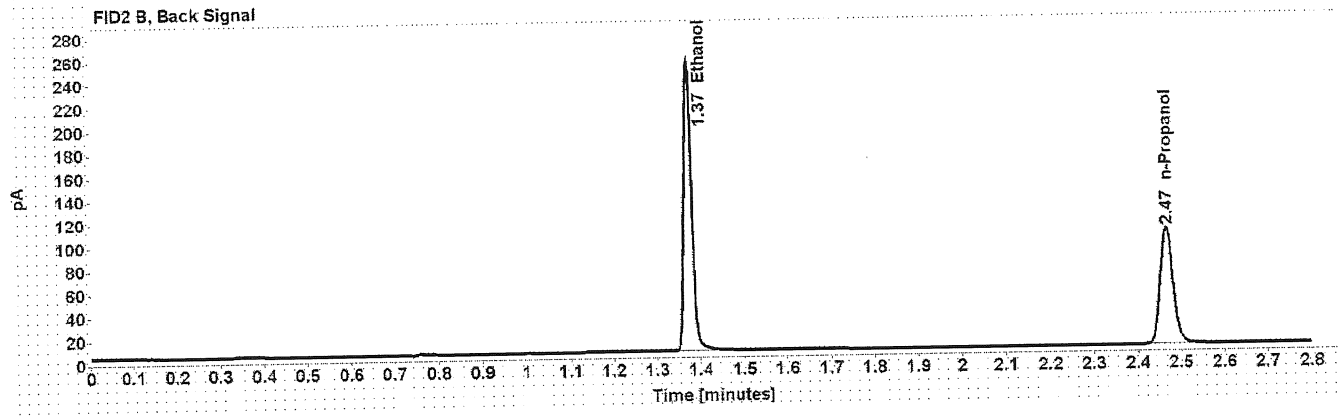
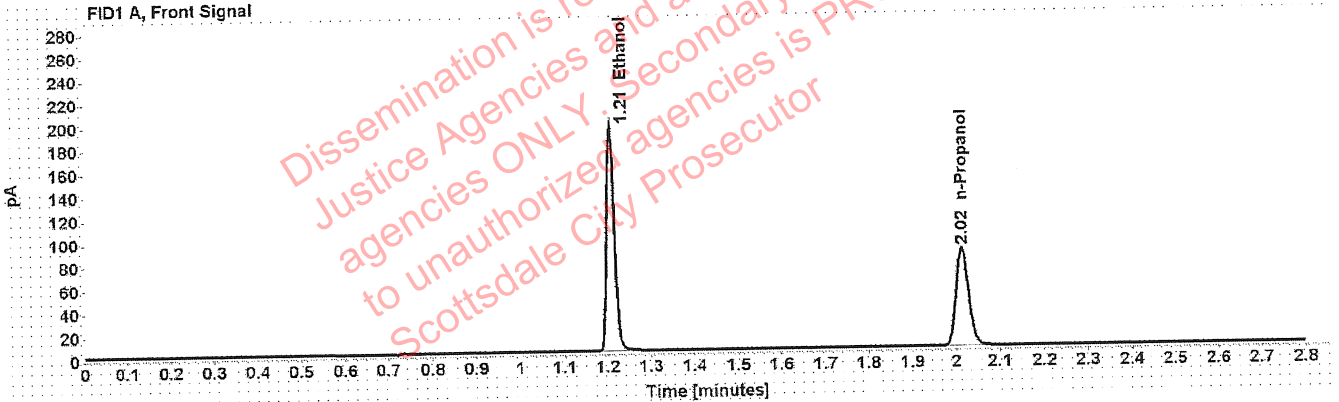


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4009	1.208	248.279
n-Propanol	-----	2.015	169.205

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

Compound	Time (min)	Peak Area
Ethanol	1.373	310.848
n-Propanol	2.467	205.315

# 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> 19Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/19/2020 2:56:53 PM
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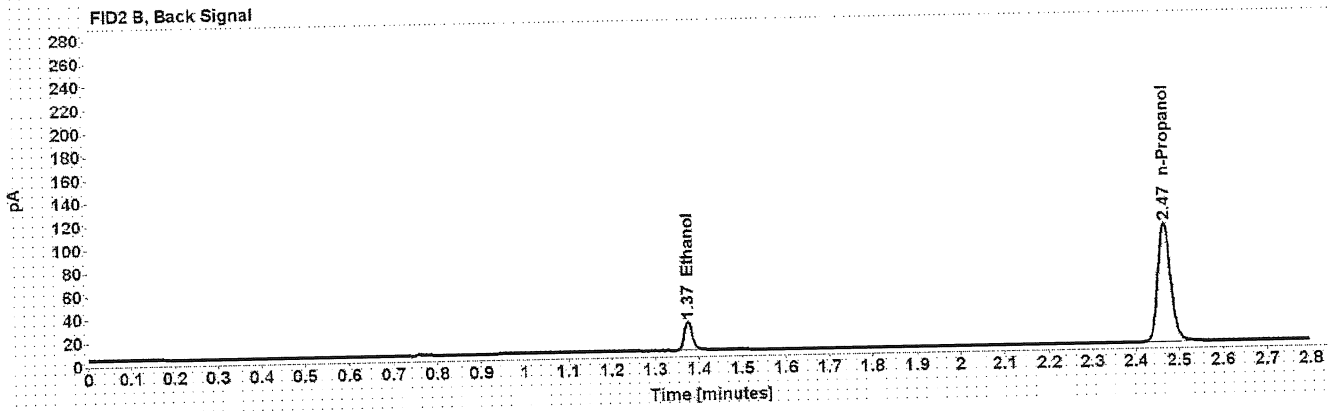
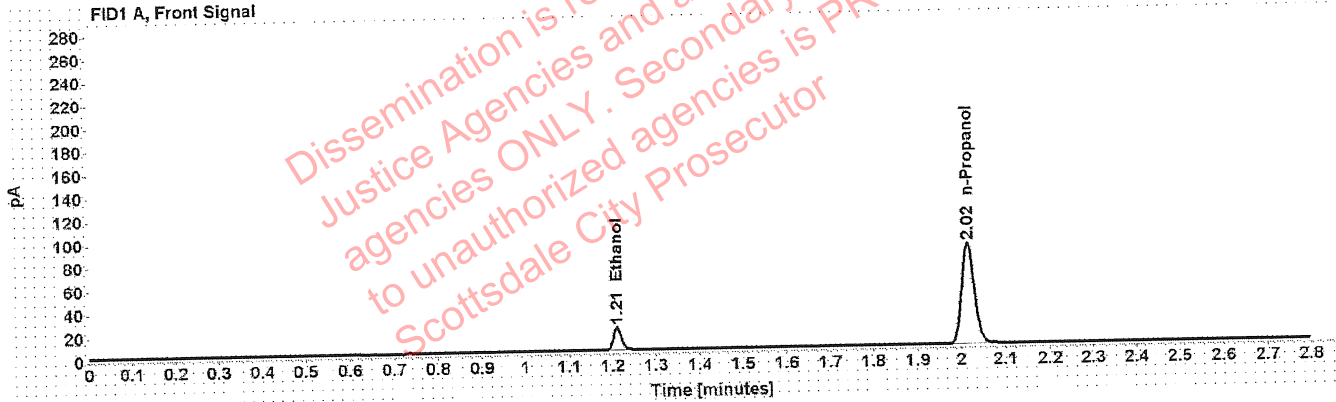


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.211	25.353
n-Propanol	-----	2.015	173.830

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

Compound	Time (min)	Peak Area
Ethanol	1.375	31.452
n-Propanol	2.467	210.194

# 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> 19Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/19/2020 3:00:54 PM
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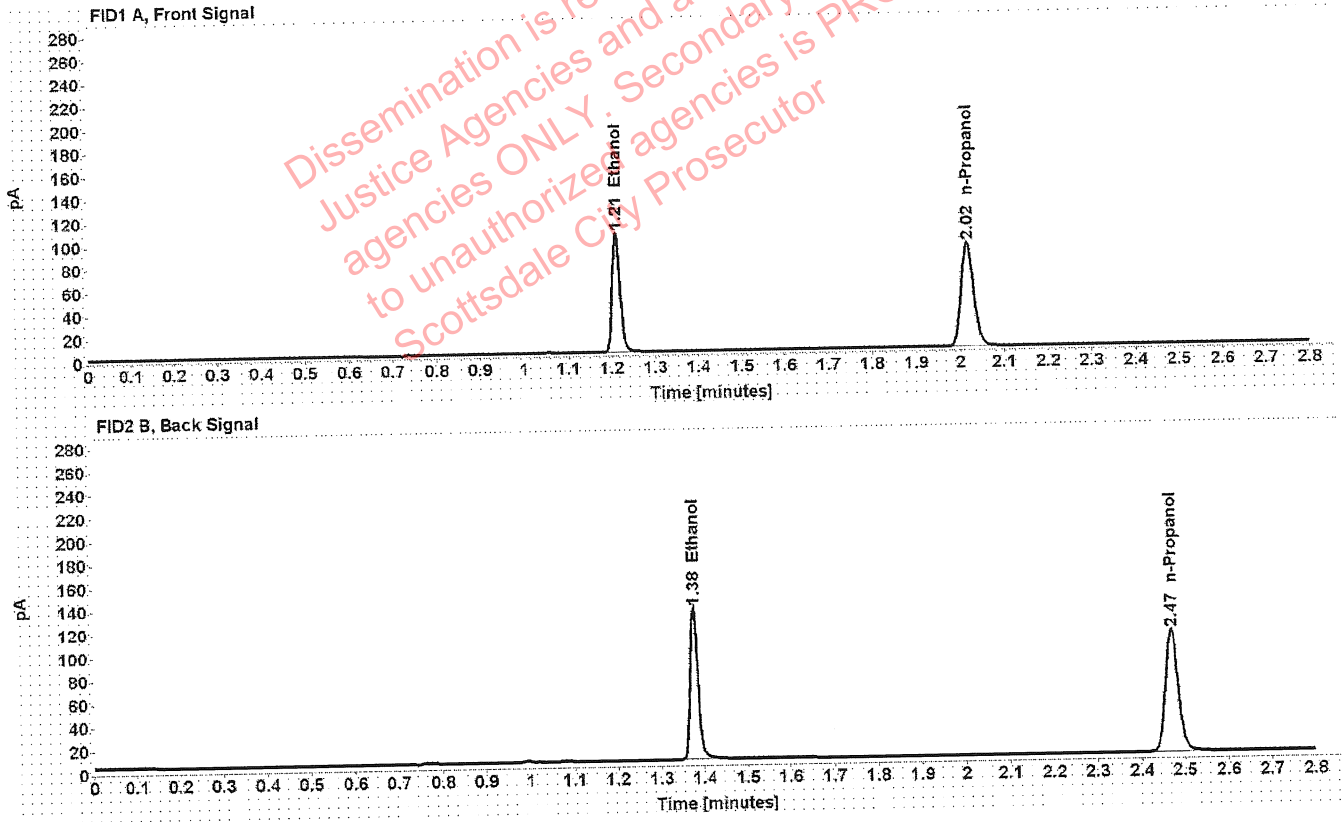


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2030	1.211	132.365
n-Propanol	-----	2.017	178.661

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

Compound	Time (min)	Peak Area
Ethanol	1.376	165.274
n-Propanol	2.470	216.530



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040919WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 3:04:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\45.D	Analyst:	Canonico <i>ec</i>

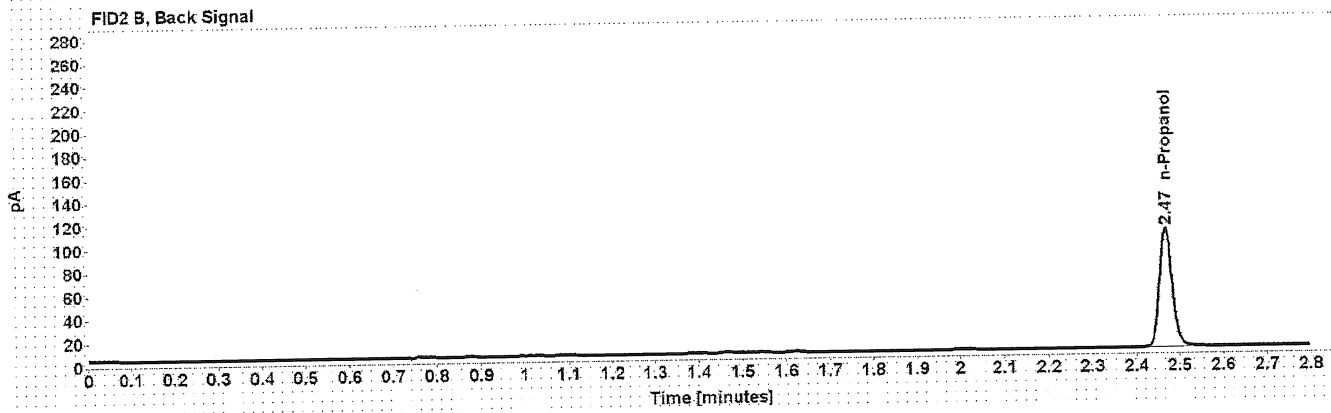


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	172.900

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	209.771

# Sequence Summary

Sequence name: 19Jun20      Instrument: US14173023 CN14160045      Analyst: Canonico

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	1322043		Sample		ethanol quant.M
11	1322043		Sample		ethanol quant.M
12	1322003		Sample		ethanol quant.M
13	1322003		Sample		ethanol quant.M
14	1322682		Sample		ethanol quant.M
15	1322682		Sample		ethanol quant.M
16	1324898		Sample		ethanol quant.M
17	1324898		Sample		ethanol quant.M
18	1325100		Sample		ethanol quant.M
19	1325100		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1325008		Sample		ethanol quant.M
22	1325008		Sample		ethanol quant.M
23	1322897		Sample		ethanol quant.M
24	1322897		Sample		ethanol quant.M
25	1320683		Sample		ethanol quant.M
26	1320683		Sample		ethanol quant.M
27	1325108		Sample		ethanol quant.M
28	1325108		Sample		ethanol quant.M
29	1324437		Sample		ethanol quant.M
30	1324437		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1325973		Sample		ethanol quant.M
33	1325973		Sample		ethanol quant.M
34	1323791		Sample		ethanol quant.M
35	1323791		Sample		ethanol quant.M
36	1323367		Sample		ethanol quant.M
37	1323367		Sample		ethanol quant.M
38	1288727		Sample		ethanol quant.M
39	1288727		Sample		ethanol quant.M
40	1325970		Sample		ethanol quant.M
41	1325970		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 Non-C.J. agencies ONLY. Second dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 19Jun20

ANALYST: Canonico

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2502	0.2480	0.24910	0.44	0.00110
12 13	0.1849	0.1861	0.18550	0.32	0.00060
14 15	0.3401	0.3395	0.33980	0.09	0.00030
16 17	0.1360	0.1362	0.13610	0.07	0.00010
18 19	0.2413	0.2428	0.24205	0.31	0.00075
21 22	0.2070	0.2095	0.20825	0.60	0.00125
23 24	0.1750	0.1753	0.17515	0.09	0.00015
25 26	0.1173	0.1183	0.11780	0.42	0.00050
27 28	0.1876	0.1862	0.18690	0.37	0.00070
29 30	0.2602	0.2585	0.25935	0.33	0.00085
32 33	0.1425	0.1416	0.14205	0.32	0.00045
34 35	0.1801	0.1786	0.17935	0.42	0.00075
36 37	0.2263	0.2259	0.22610	0.09	0.00020
38 39	0.1677	0.1672	0.16745	0.15	0.00025
40 41	0.1597	0.1594	0.15955	0.09	0.00015

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

# Scottsdale Forensic Lab

## Blood Alcohol Pipetting Log

ANALYST: Canonico

SEQUENCE: 19Jun20

*Handwritten initials*

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1322043	1322043	1322043	Yes
Vials 12 and 13	1322003	1322003	1322003	Yes
Vials 14 and 15	1322682	1322682	1322682	Yes
Vials 16 and 17	1324898	1324898	1324898	Yes
Vials 18 and 19	1325100	1325100	1325100	Yes
Vials 21 and 22	1325008	1325008	1325008	Yes
Vials 23 and 24	1322897	1322897	1322897	Yes
Vials 25 and 26	1320683	1320683	1320683	Yes
Vials 27 and 28	1325108	1325108	1325108	Yes
Vials 29 and 30	1324437	1324437	1324437	Yes
Vials 32 and 33	1325973	1325973	1325973	Yes
Vials 34 and 35	1323791	1323791	1323791	Yes
Vials 36 and 37	1323367	1323367	1323367	Yes
Vials 38 and 39	1288727	1288727	1288727	Yes
Vials 40 and 41	1325970	1325970	1325970	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322043	Vial:	10
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:43:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\10.D	Analyst:	Canonico

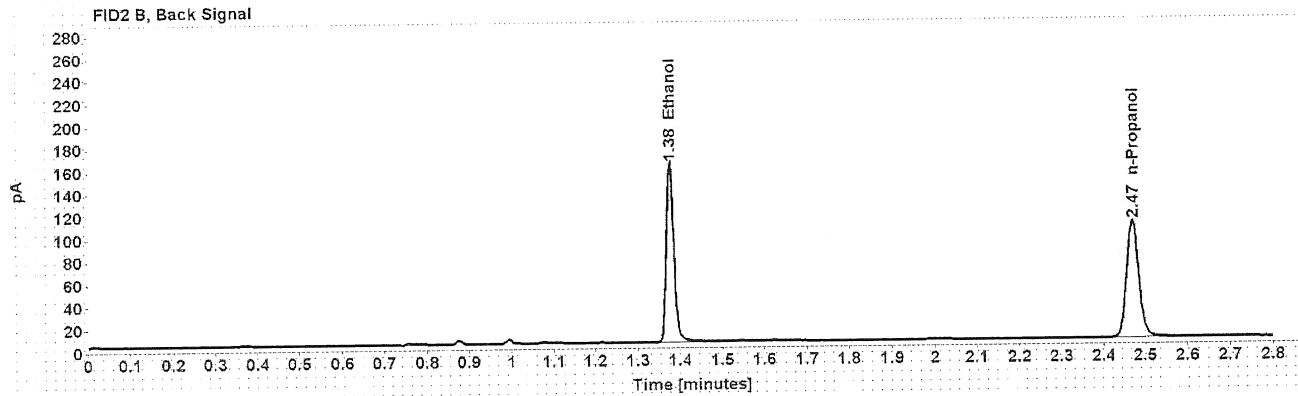
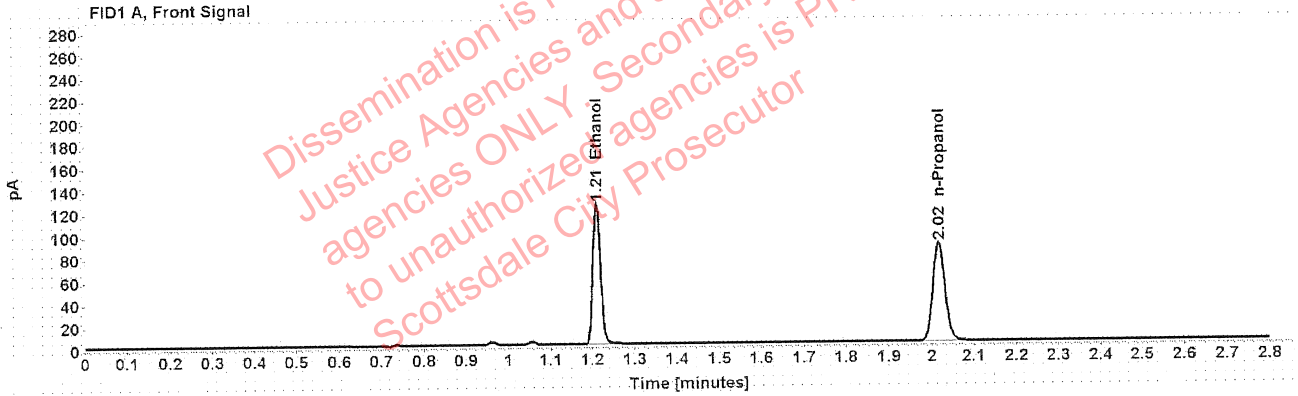


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2502	1.211	159.483
n-Propanol	-----	2.017	174.489

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

Compound	Time (min)	Peak Area
Ethanol	1.376	200.165
n-Propanol	2.470	211.552

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322043	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:47:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\11.D	Analyst:	Canonico

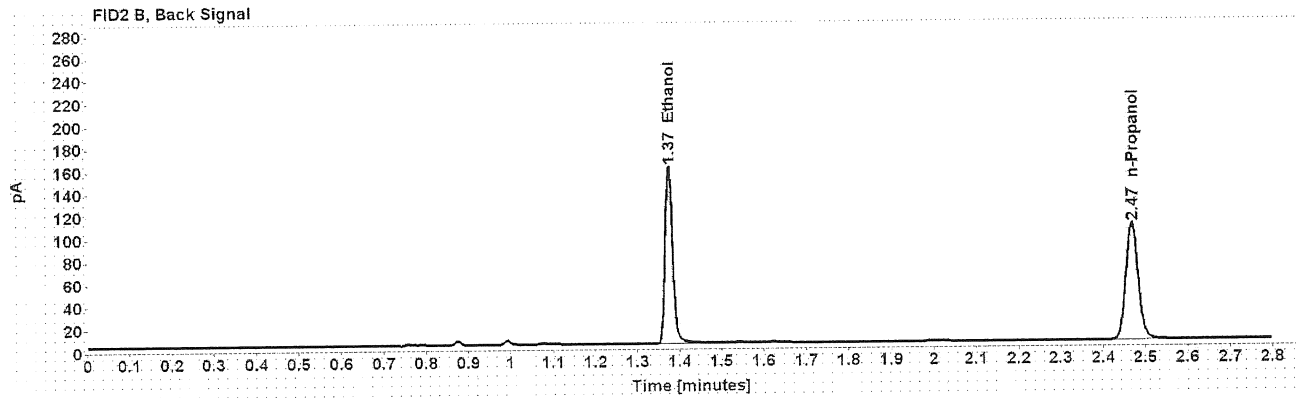
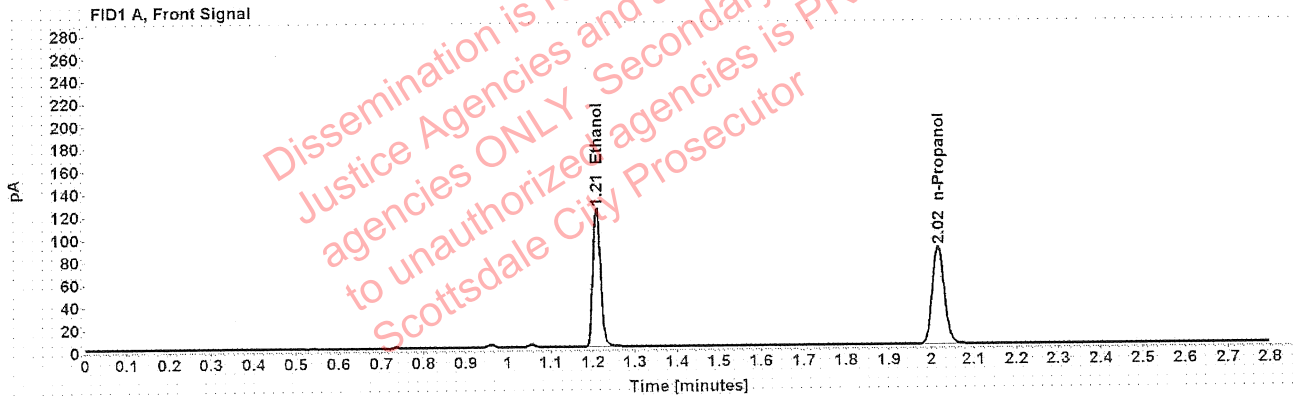


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2480	1.209	157.250
n-Propanol	-----	2.016	173.545

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

Compound	Time (min)	Peak Area
Ethanol	1.374	197.529
n-Propanol	2.468	210.455

[REDACTED] : Canonico, Erika - (22-Jun-2020)

Case: [REDACTED] User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322003	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:51:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\12.D	Analyst:	Canonico

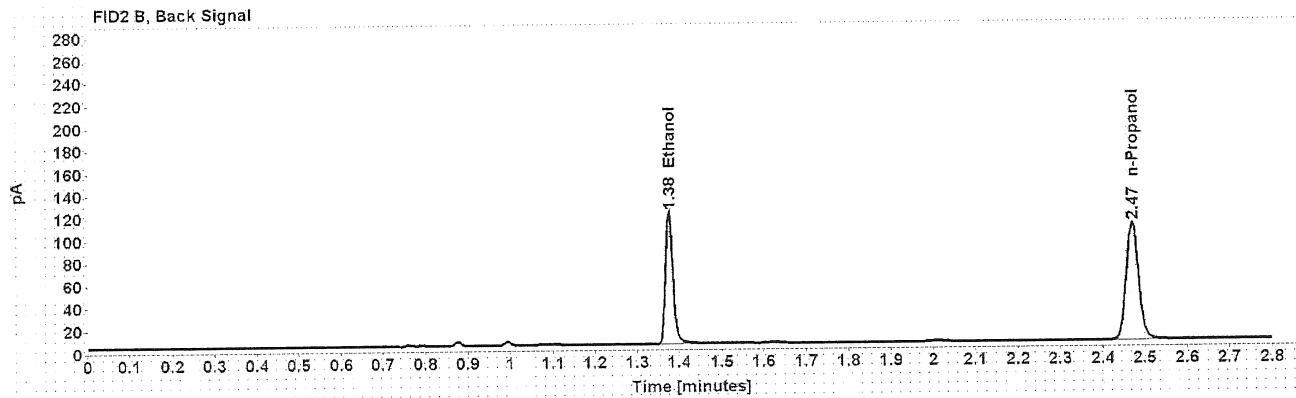
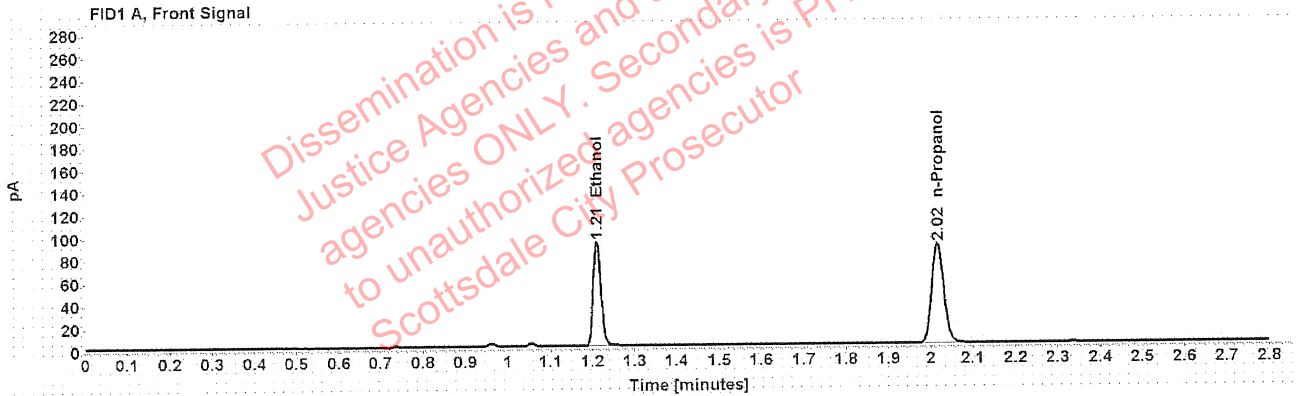


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1849	1.211	118.676
n-Propanol	-----	2.017	176.022

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

Compound	Time (min)	Peak Area
Ethanol	1.376	147.713
n-Propanol	2.470	214.027

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322003	Vial: 13
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:55:38 PM
Data file: C:\Chem32\1\Data\19Jun20\13.D	Analyst: Canonico

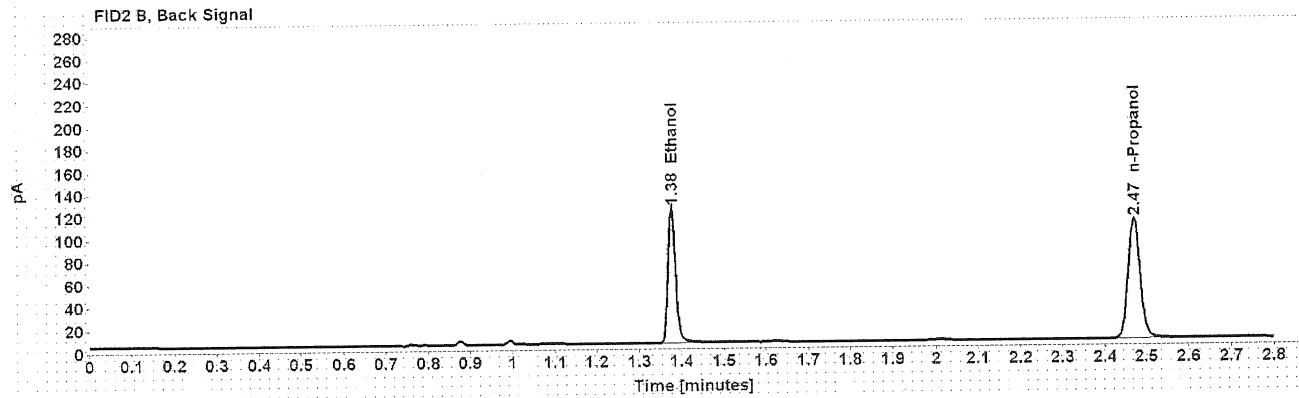
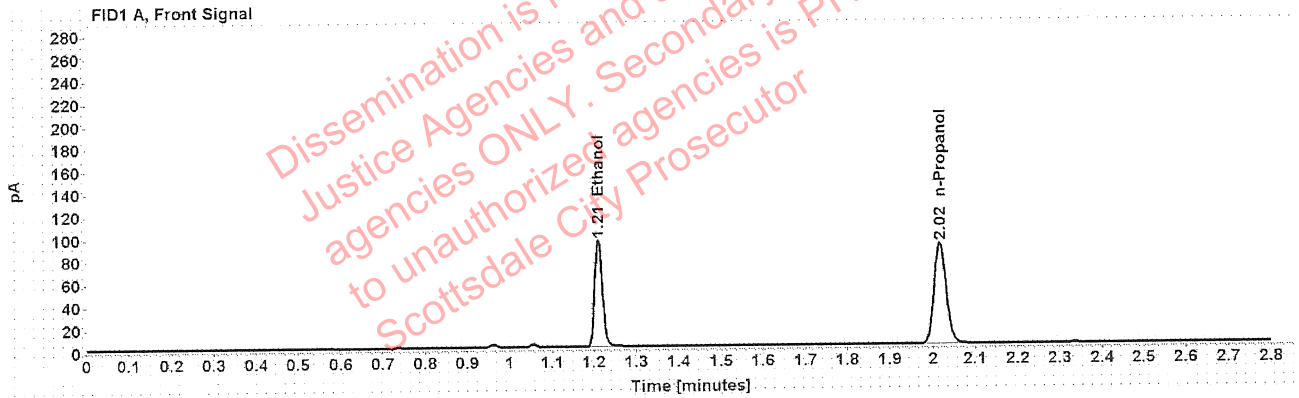


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1861	1.211	121.610
n-Propanol	-----	2.017	179.188

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

Compound	Time (min)	Peak Area
Ethanol	1.376	151.181
n-Propanol	2.470	218.020



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322682	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:59:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\14.D	Analyst:	Canonico

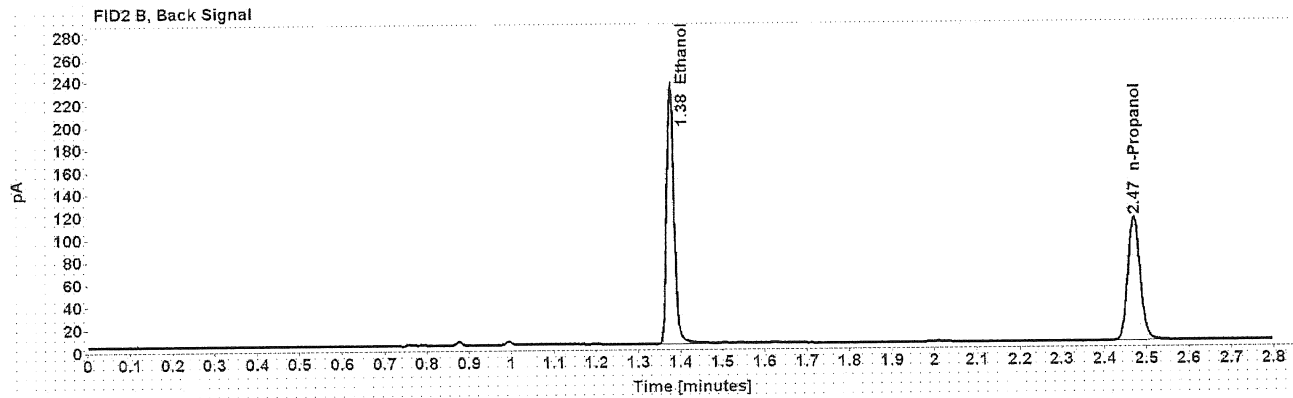
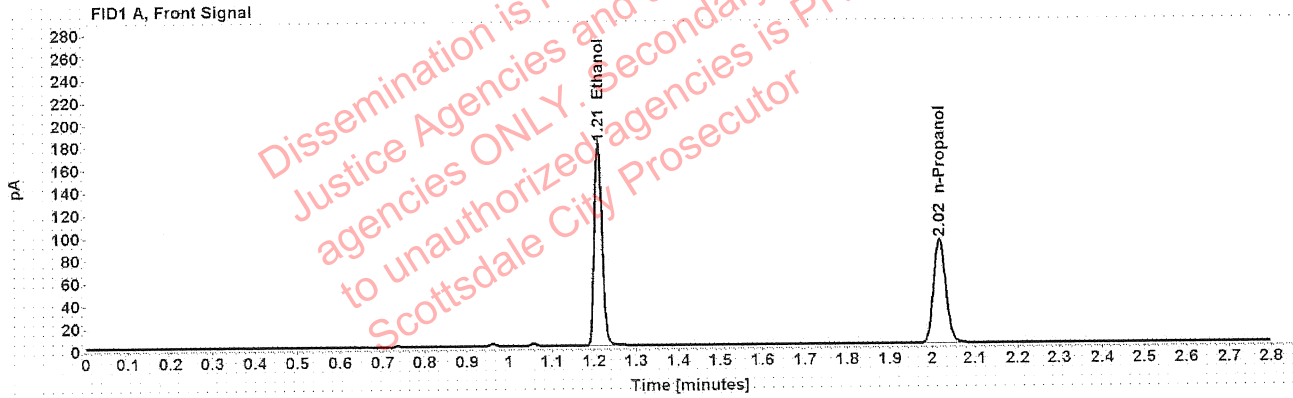


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3401	1.210	228.843
n-Propanol	-----	2.017	183.920

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

Compound	Time (min)	Peak Area
Ethanol	1.376	287.402
n-Propanol	2.470	223.581

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322682	Vial: 15
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:03:39 PM
Data file: C:\Chem32\1\Data\19Jun20\15.D	Analyst: Canonico

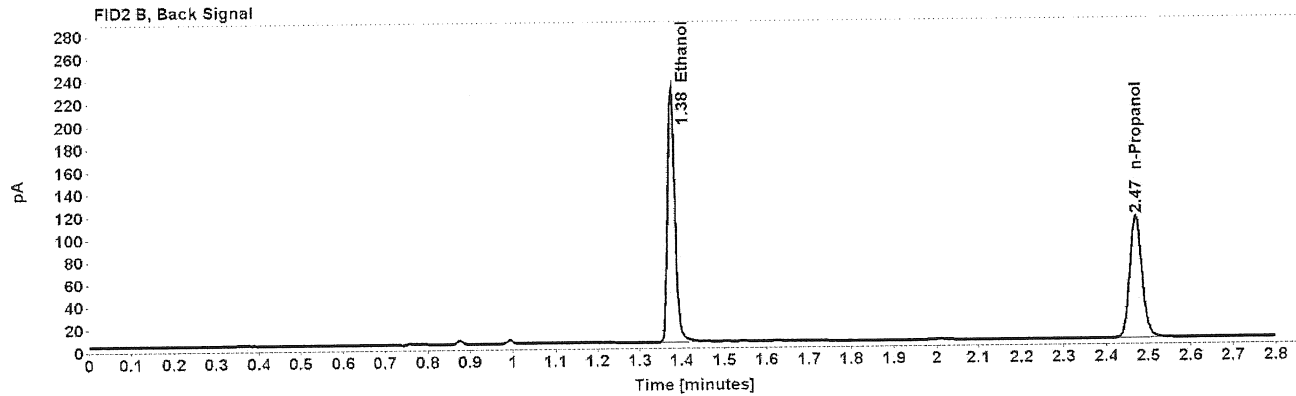
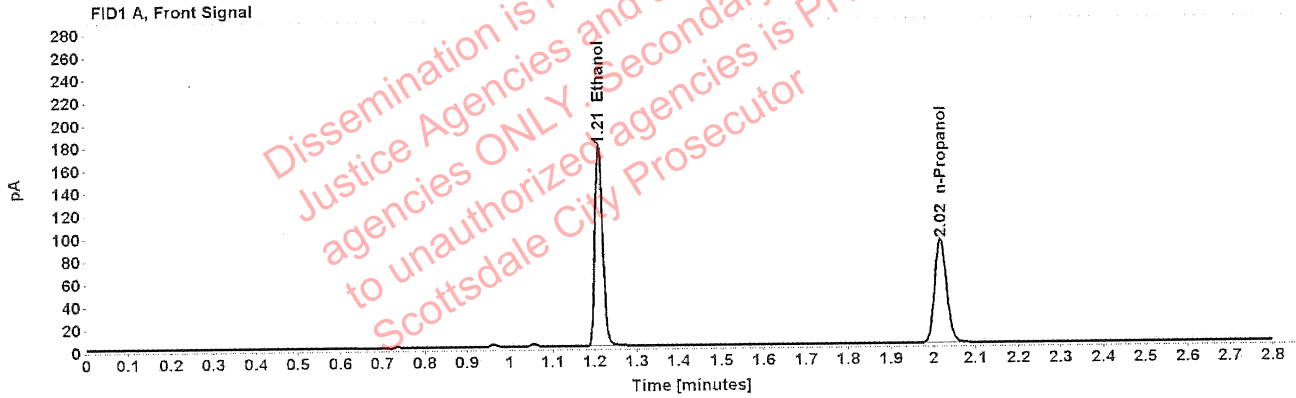


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3395	1.210	225.966
n-Propanol	-----	2.017	181.945

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

Compound	Time (min)	Peak Area
Ethanol	1.376	283.546
n-Propanol	2.470	221.034

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1324898	Vial: 16
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:07:38 PM
Data file: C:\Chem32\1\Data\19Jun20\16.D	Analyst: Canonico

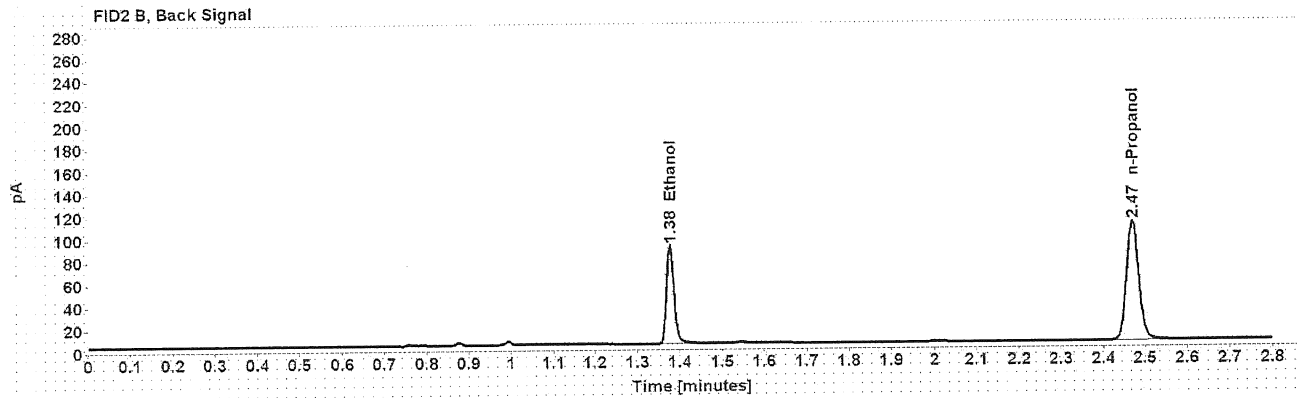
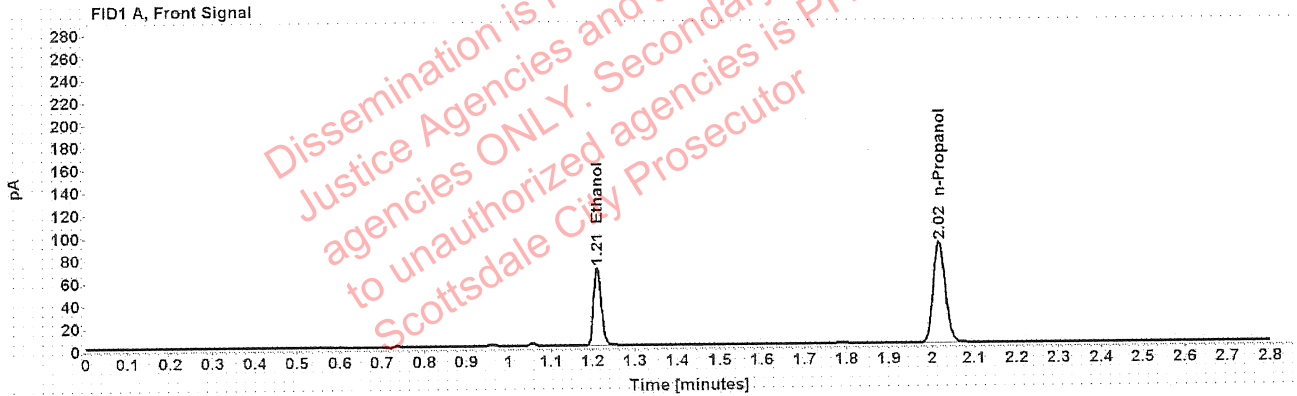


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1360	1.211	88.199
n-Propanol	-----	2.017	178.285

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

Compound	Time (min)	Peak Area
Ethanol	1.377	109.405
n-Propanol	2.470	216.214

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1324898	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:11:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\17.D	Analyst:	Canonico

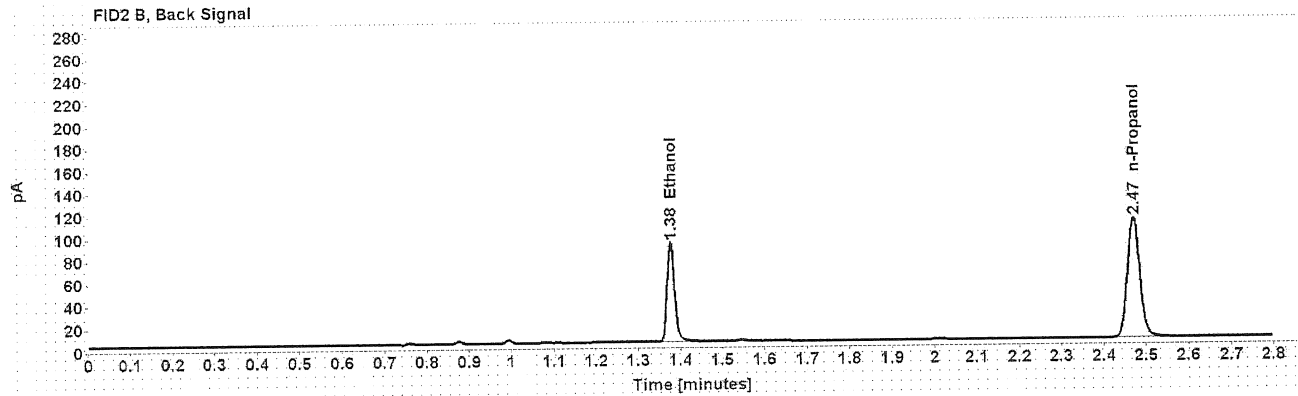
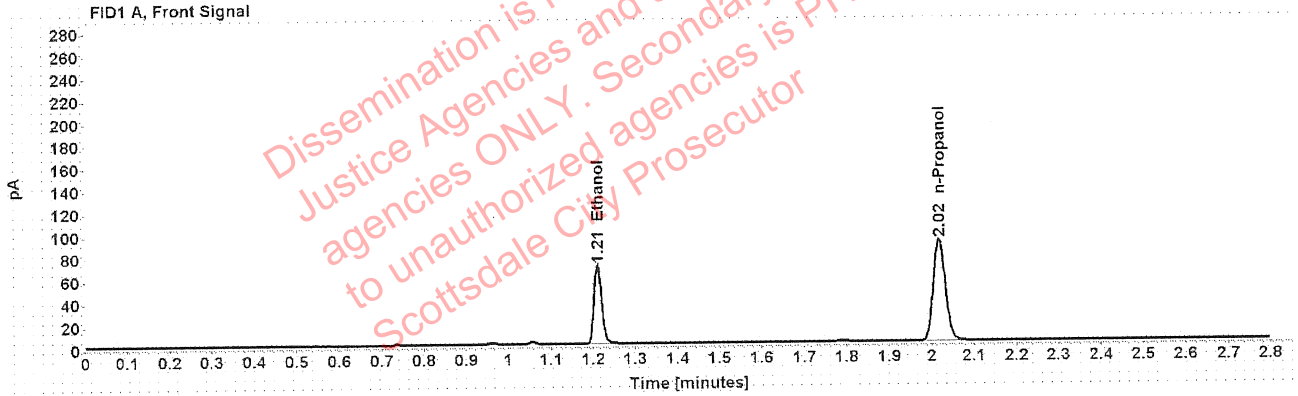


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1362	1.211	89.312
n-Propanol	-----	2.017	180.204

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

Compound	Time (min)	Peak Area
Ethanol	1.377	110.534
n-Propanol	2.470	218.332

[REDACTED]: Canonico, Erika - (22-Jun-2020)

Case: [REDACTED] User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325100	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:15:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\18.D	Analyst:	Canonico

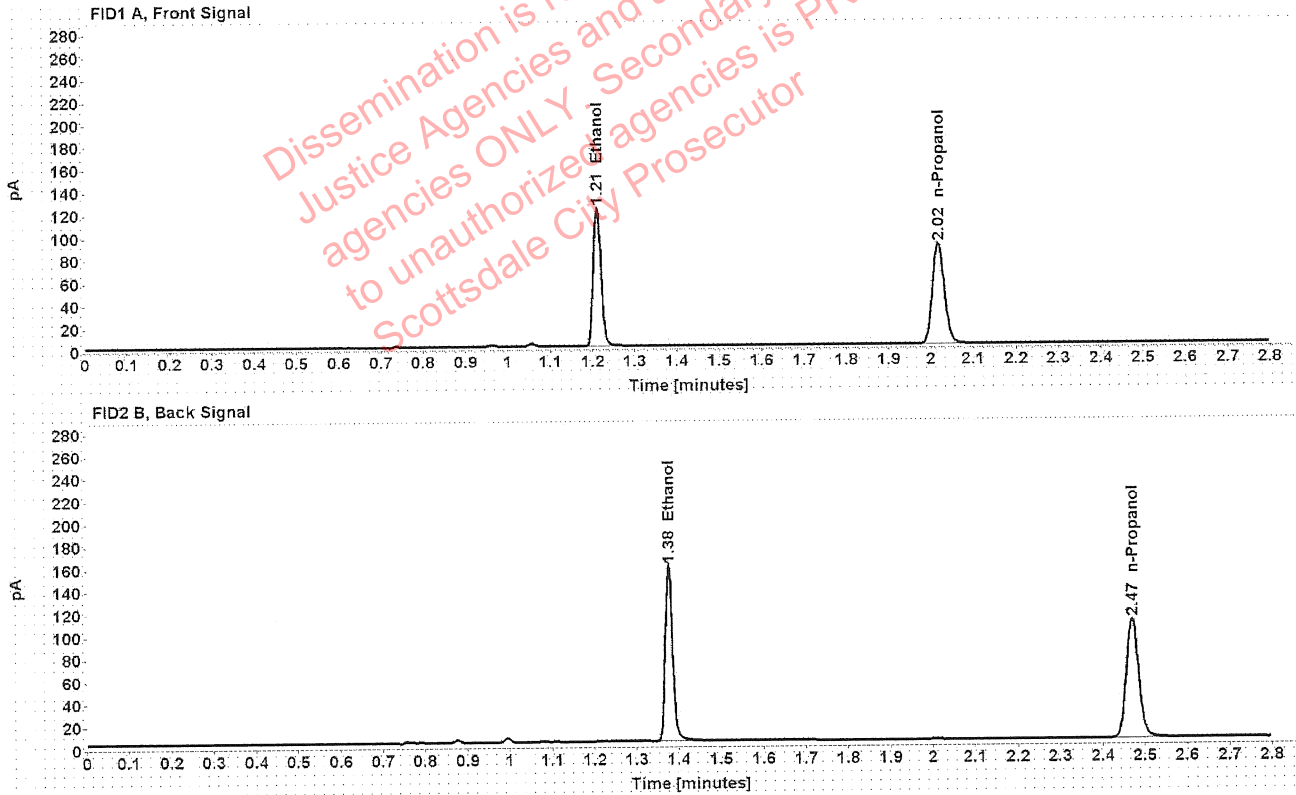


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2413	1.211	156.952
n-Propanol	-----	2.017	178.083

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

Compound	Time (min)	Peak Area
Ethanol	1.376	195.678
n-Propanol	2.470	215.724

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325100	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:19:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\19.D	Analyst:	Canonico

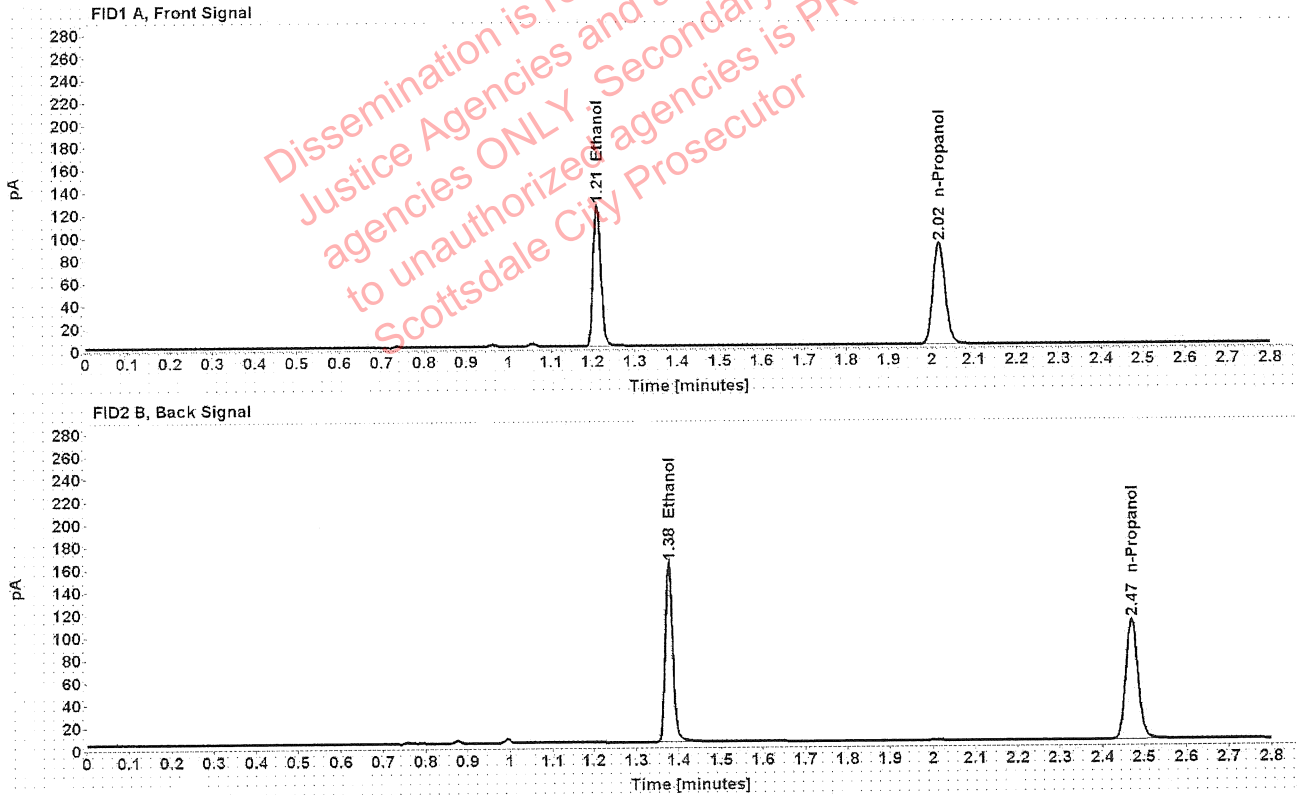


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2428	1.211	159.646
n-Propanol	-----	2.017	180.030

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

Compound	Time (min)	Peak Area
Ethanol	1.376	198.948
n-Propanol	2.470	217.832

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1325008	Vial: 21
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:27:54 PM
Data file: C:\Chem32\1\Data\19Jun20\21.D	Analyst: Canonico

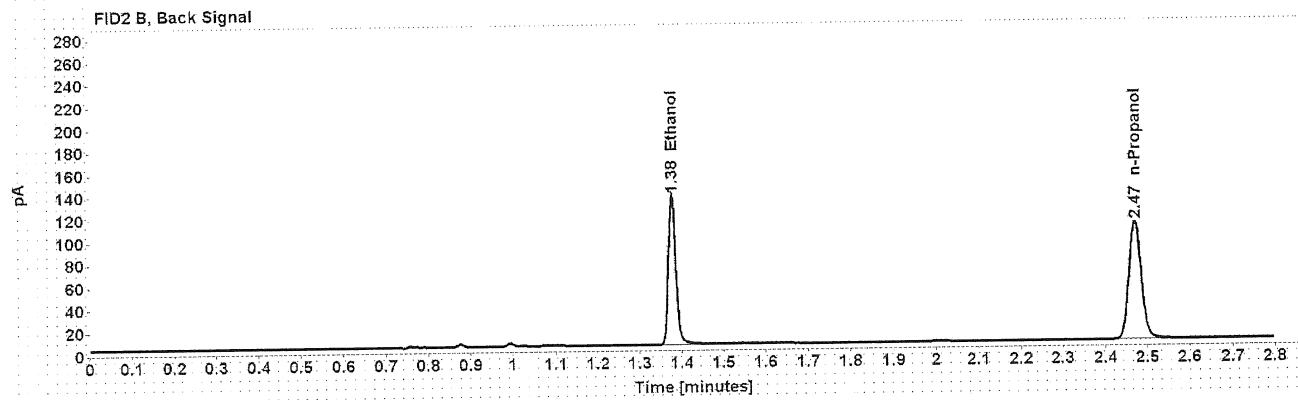
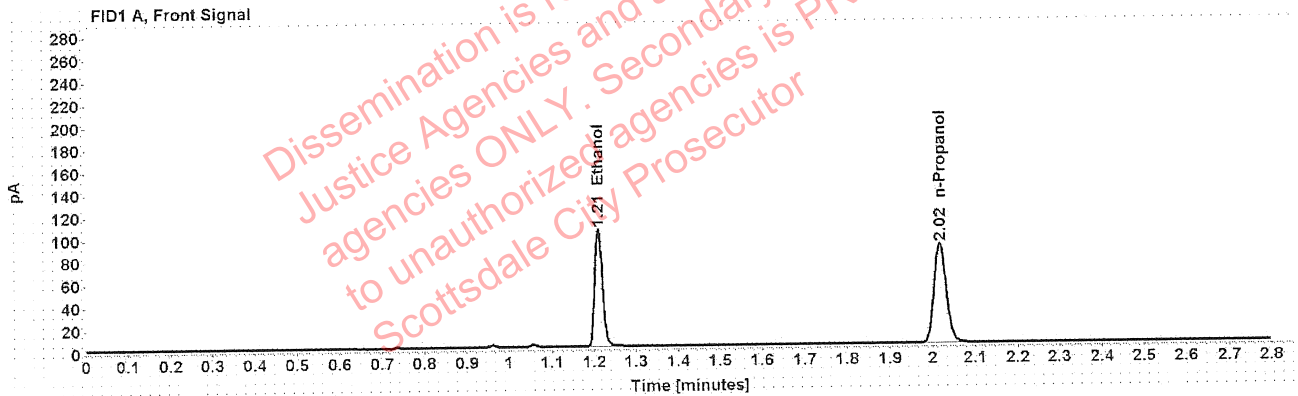


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2070	1.211	133.777
n-Propanol	-----	2.017	177.085

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.502
n-Propanol	2.470	214.442

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325008	Vial:	22
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:31:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\22.D	Analyst:	Canonico

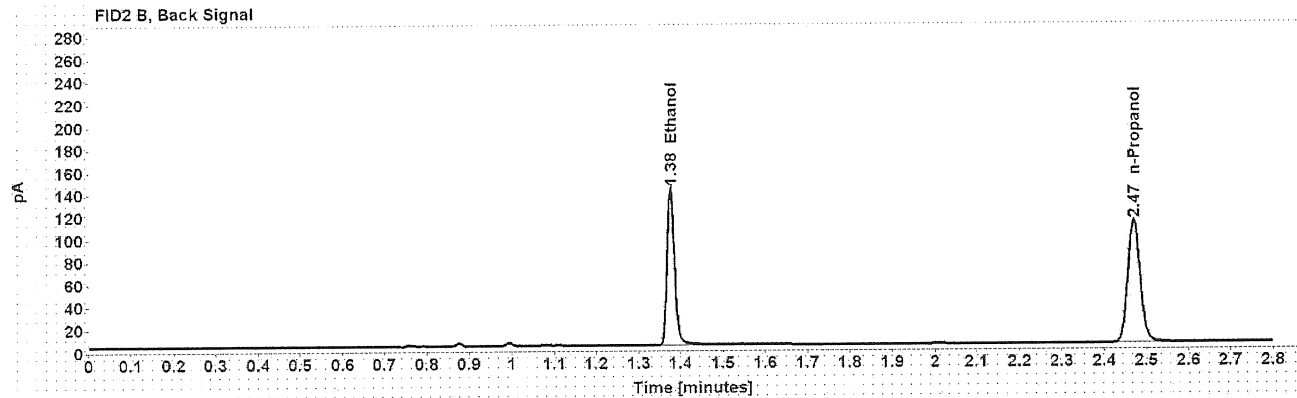
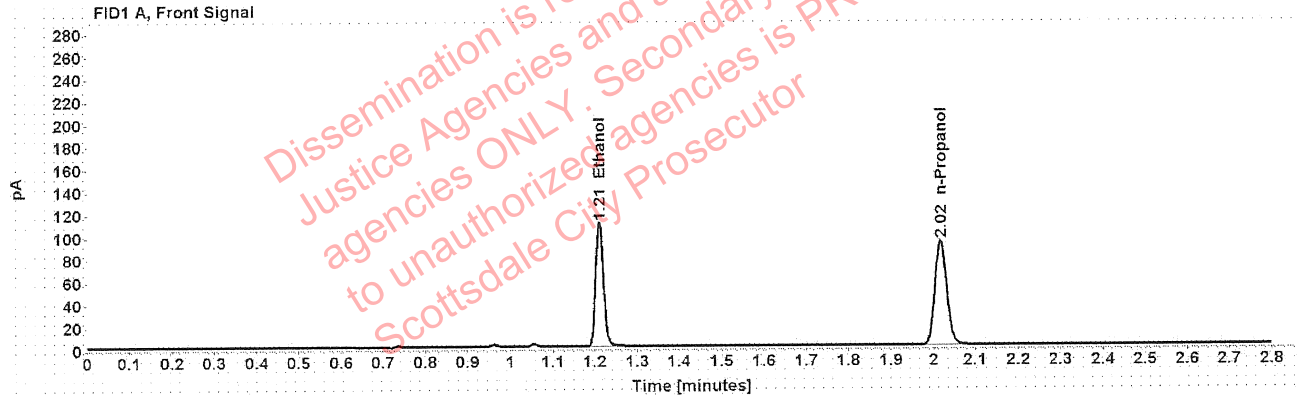


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2095	1.211	140.926
n-Propanol	-----	2.017	184.319

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

Compound	Time (min)	Peak Area
Ethanol	1.376	175.732
n-Propanol	2.470	223.225



██████████: Canonico, Erika - (22-Jun-2020)

Case: ██████████ User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322897	Vial:	23
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:35:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\23.D	Analyst:	Canonico

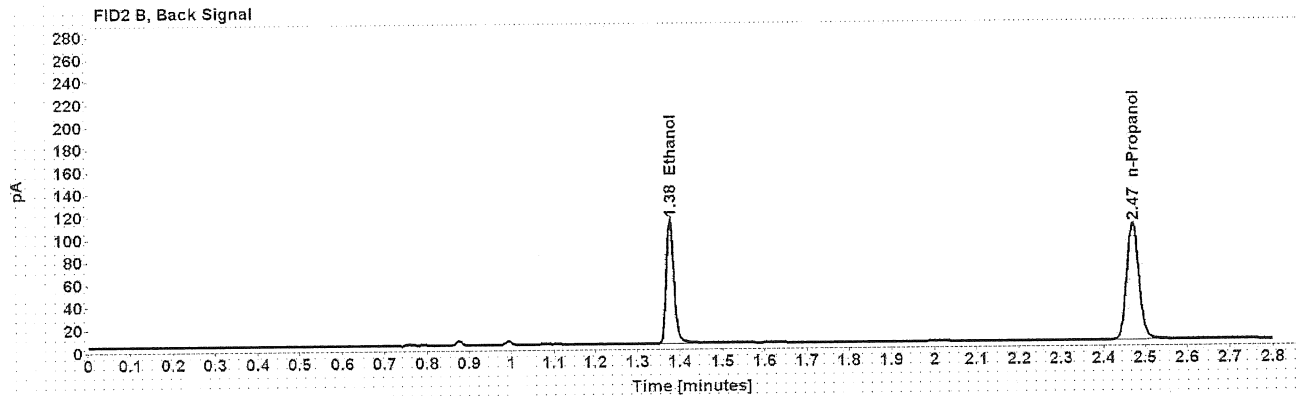
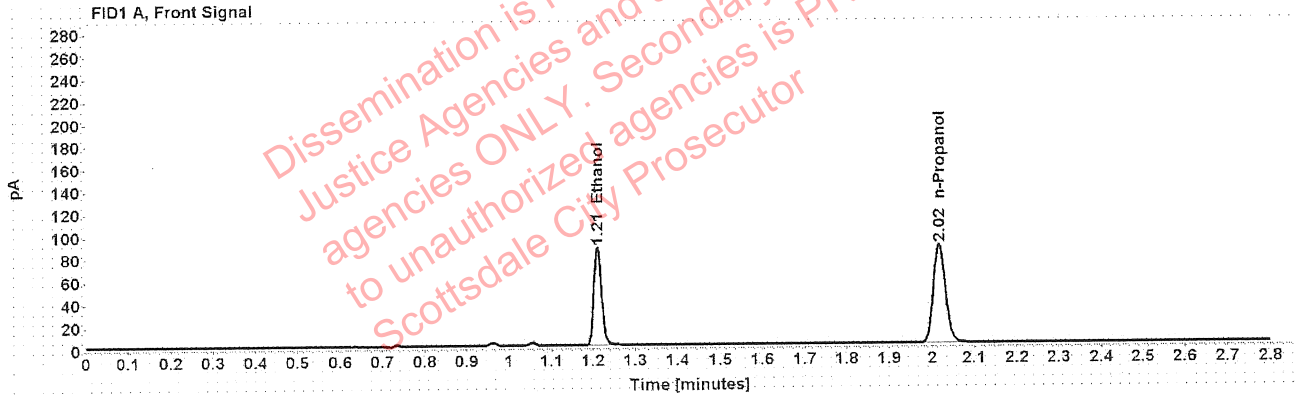


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1750	1.211	111.230
n-Propanol	-----	2.017	174.387

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

Compound	Time (min)	Peak Area
Ethanol	1.376	139.645
n-Propanol	2.470	211.160

Case: ██████████ User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322897	Vial: 24
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:39:53 PM
Data file: C:\Chem32\1\Data\19Jun20\24.D	Analyst: Canonico

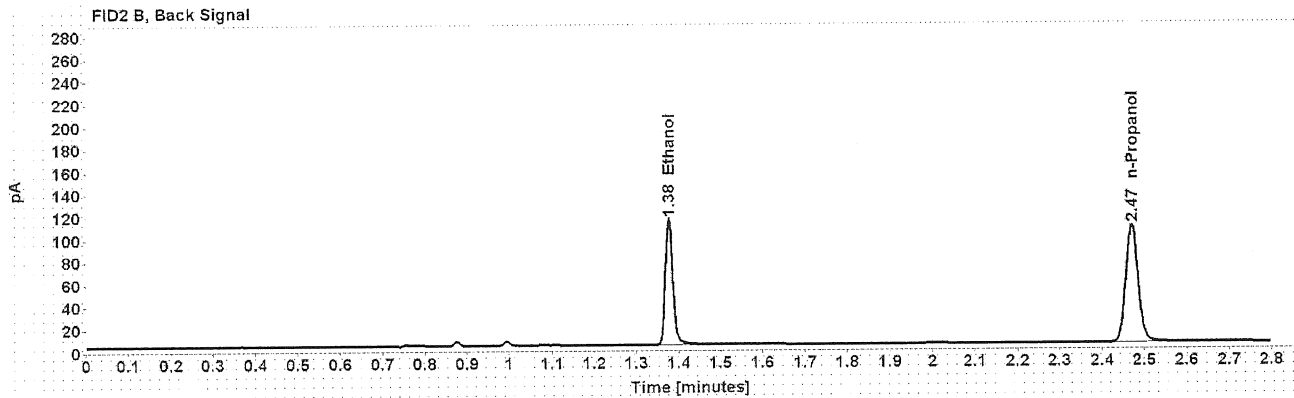
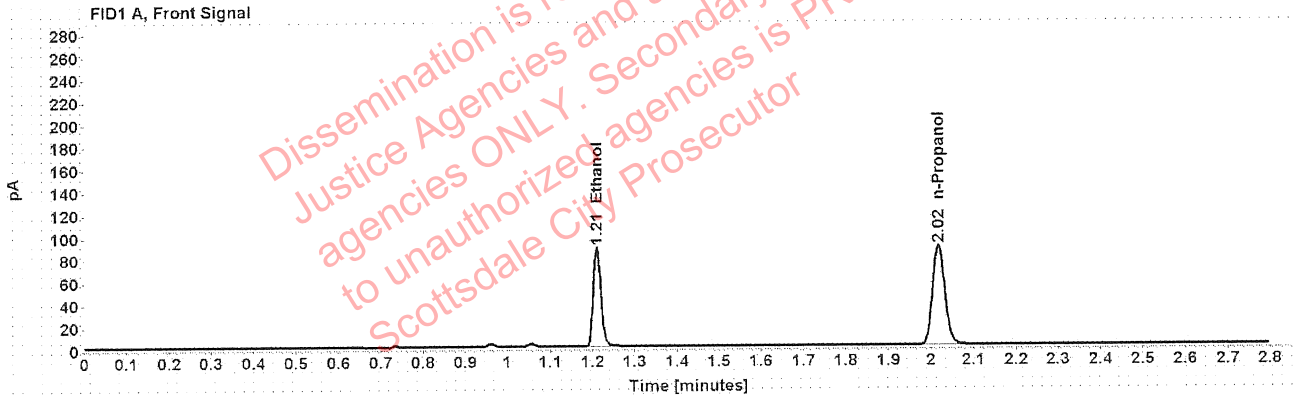


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1753	1.211	112.790
n-Propanol	-----	2.017	176.458

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

Compound	Time (min)	Peak Area
Ethanol	1.376	140.081
n-Propanol	2.470	214.041

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320683	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:44:08 PM
Data file:	C:\Chem32\1\Data\19Jun20\25.D	Analyst:	Canonico

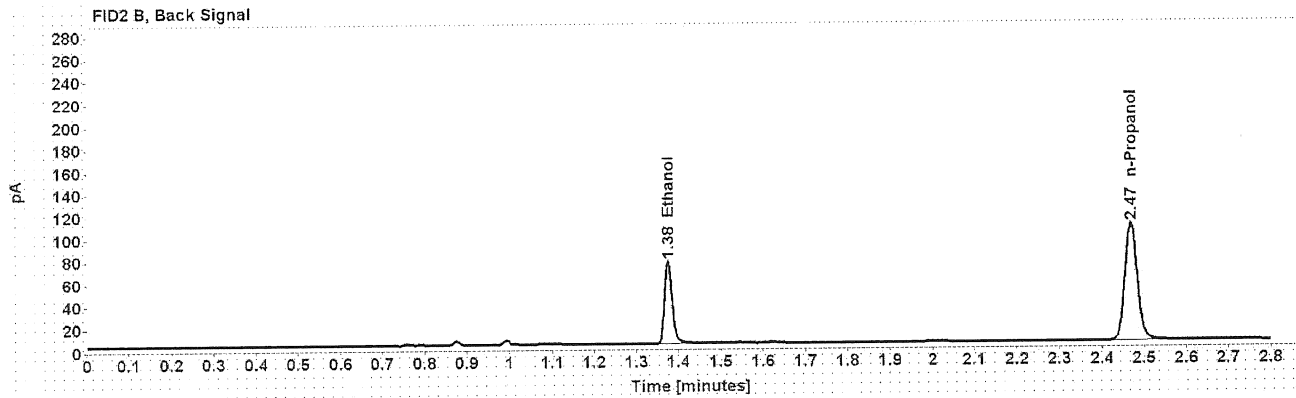
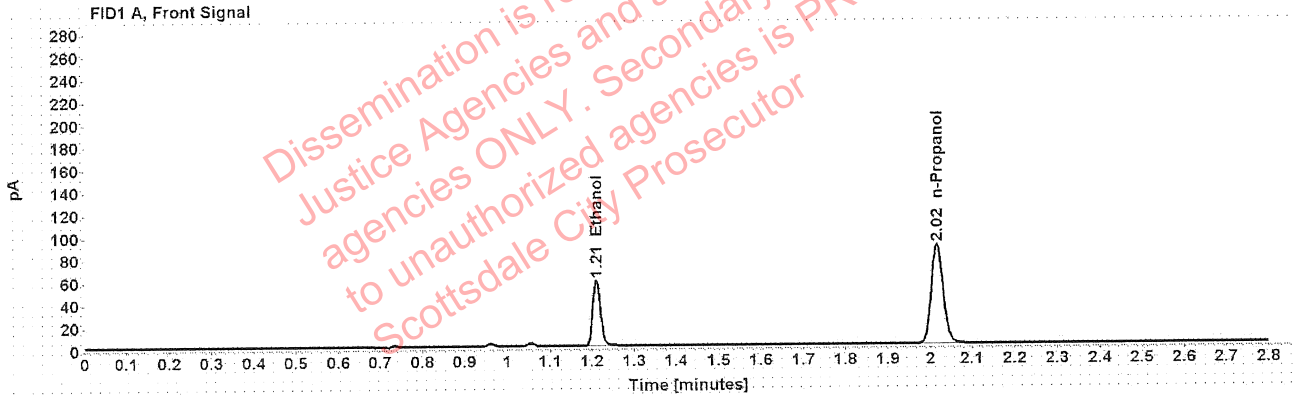


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1173	1.211	75.027
n-Propanol	-----	2.016	176.013

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

Compound	Time (min)	Peak Area
Ethanol	1.375	92.566
n-Propanol	2.469	213.439

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320683	Vial:	26
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:48:09 PM
Data file:	C:\Chem32\1\Data\19Jun20\26.D	Analyst:	Canonico

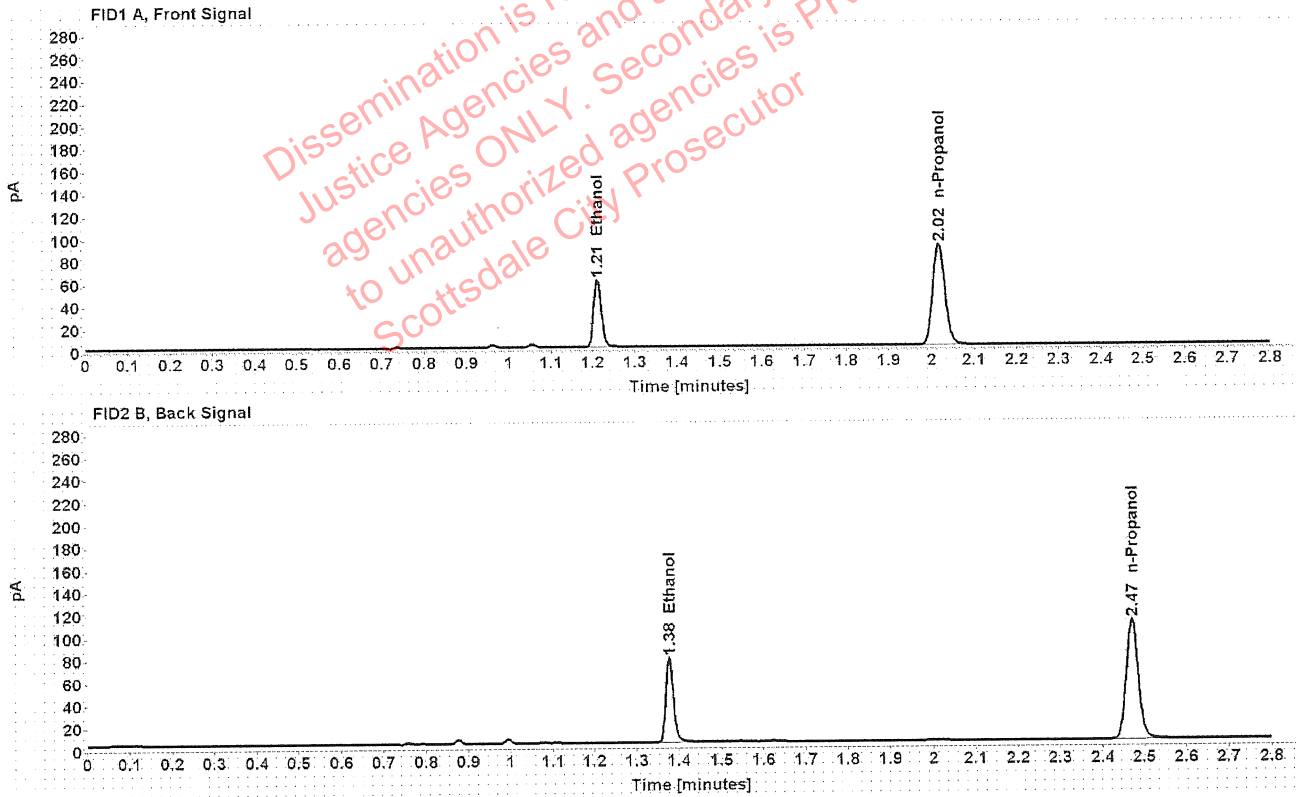


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1183	1.211	76.991
n-Propanol	-----	2.017	179.206

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

Compound	Time (min)	Peak Area
Ethanol	1.377	95.196
n-Propanol	2.470	217.160

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325108	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:52:08 PM
Data file:	C:\Chem32\1\Data\19Jun20\27.D	Analyst:	Canonico

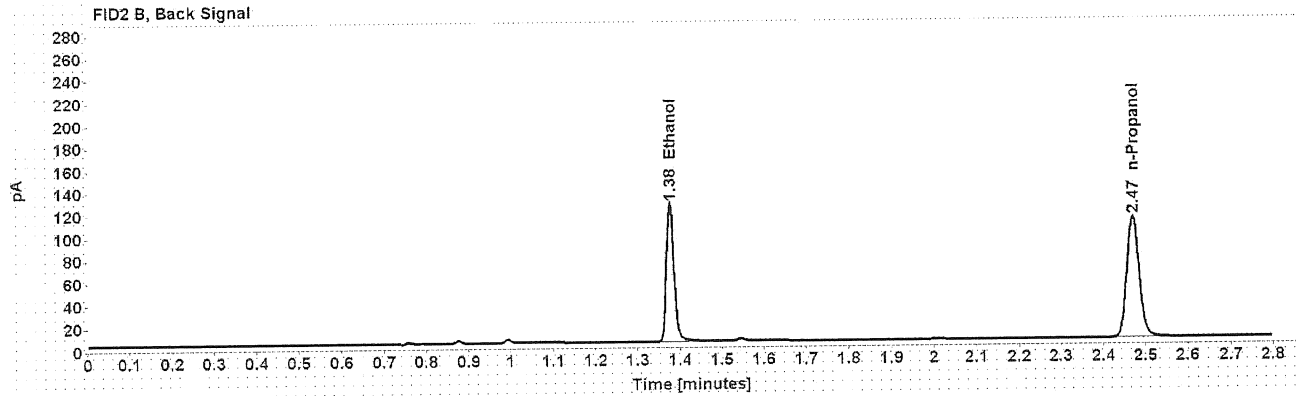
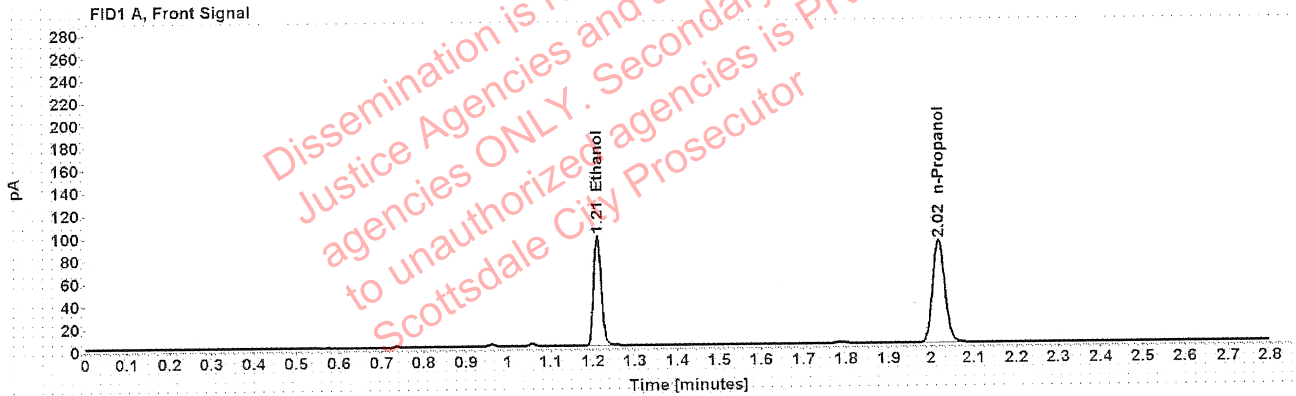


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1876	1.211	124.487
n-Propanol	-----	2.017	181.954

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

Compound	Time (min)	Peak Area
Ethanol	1.376	154.921
n-Propanol	2.470	219.437

[REDACTED] : Canonico, Erika - (22-Jun-2020)

Case [REDACTED] User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325108	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:56:08 PM
Data file:	C:\Chem32\1\Data\19Jun20\28.D	Analyst:	Canonico

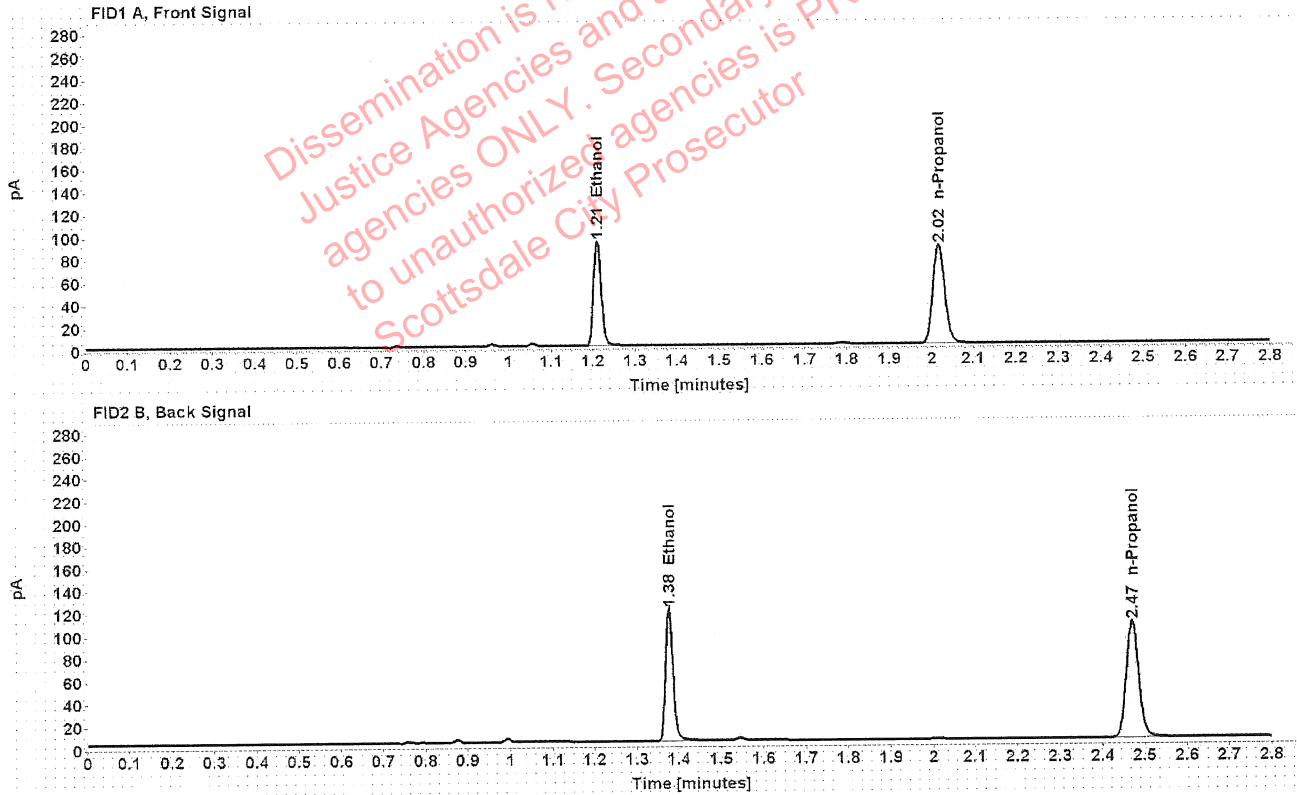


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1862	1.211	118.576
n-Propanol	-----	2.017	174.625

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

Compound	Time (min)	Peak Area
Ethanol	1.376	147.096
n-Propanol	2.470	210.538

Case: [REDACTED] : Canonico, Erika - (22-Jun-2020)

User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1324437	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:00:09 PM
Data file:	C:\Chem32\1\Data\19Jun20\29.D	Analyst:	Canonico

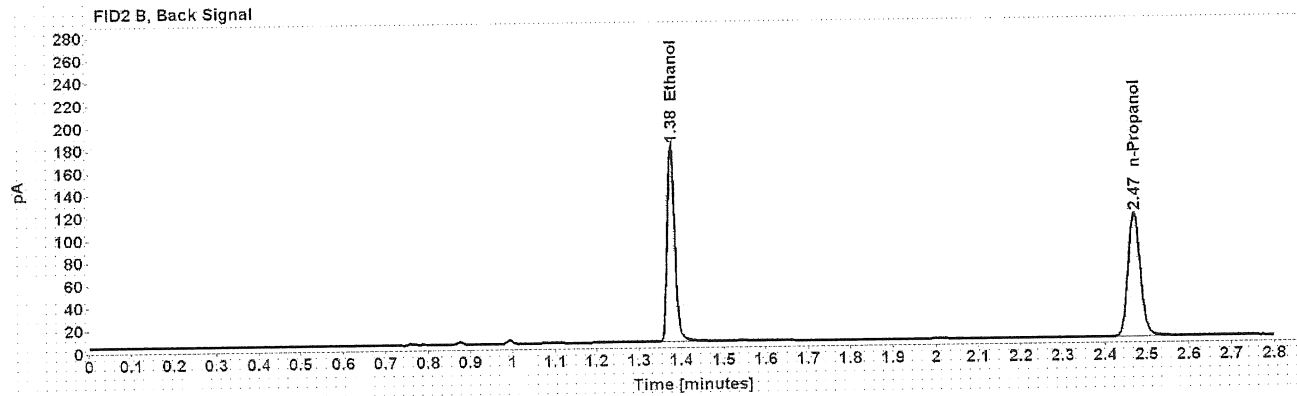
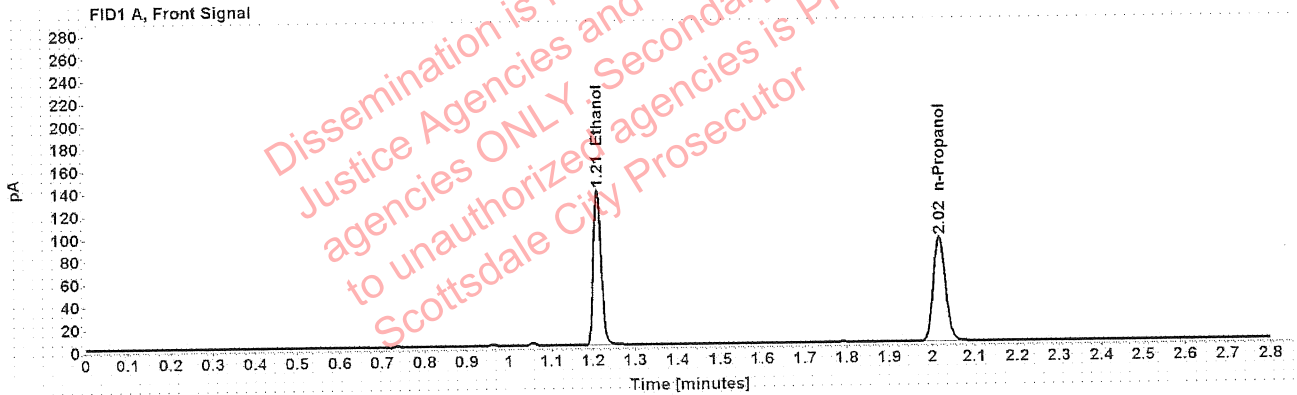


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2602	1.211	176.126
n-Propanol	-----	2.017	185.258

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

Compound	Time (min)	Peak Area
Ethanol	1.376	219.318
n-Propanol	2.470	224.383

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1324437	Vial: 30
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 2:04:08 PM
Data file: C:\Chem32\1\Data\19Jun20\30.D	Analyst: Canonico

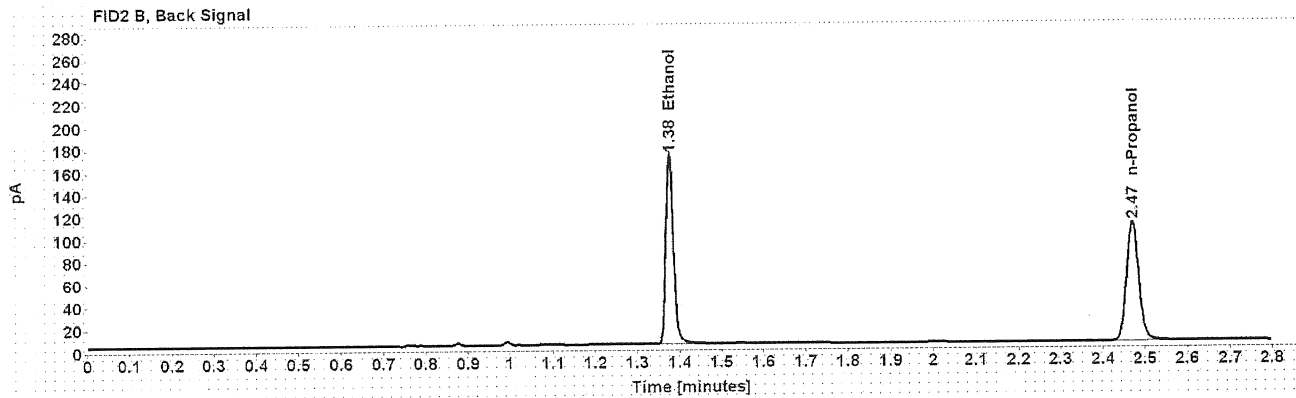
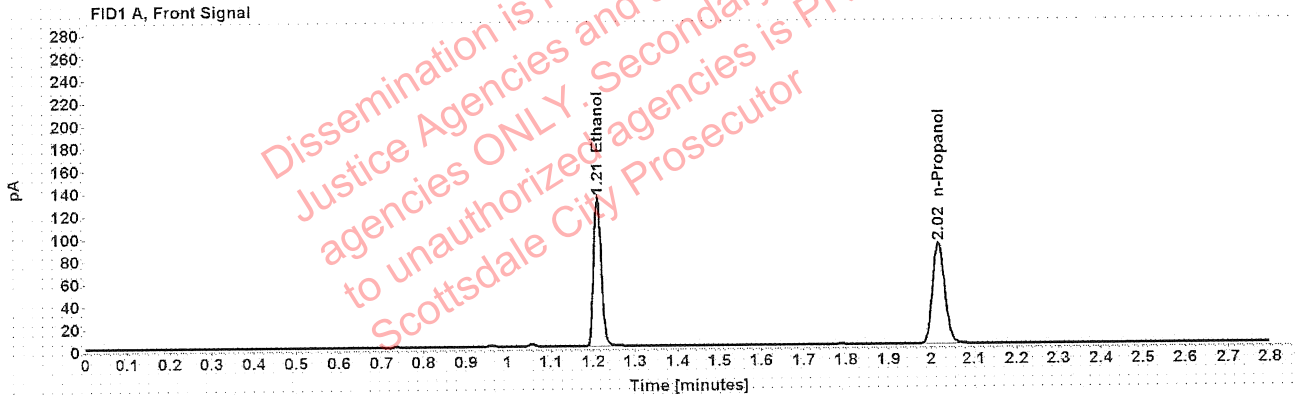


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2585	1.211	169.551
n-Propanol	-----	2.017	179.474

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

Compound	Time (min)	Peak Area
Ethanol	1.376	211.135
n-Propanol	2.470	217.448



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325973	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:12:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\32.D	Analyst:	Canonico

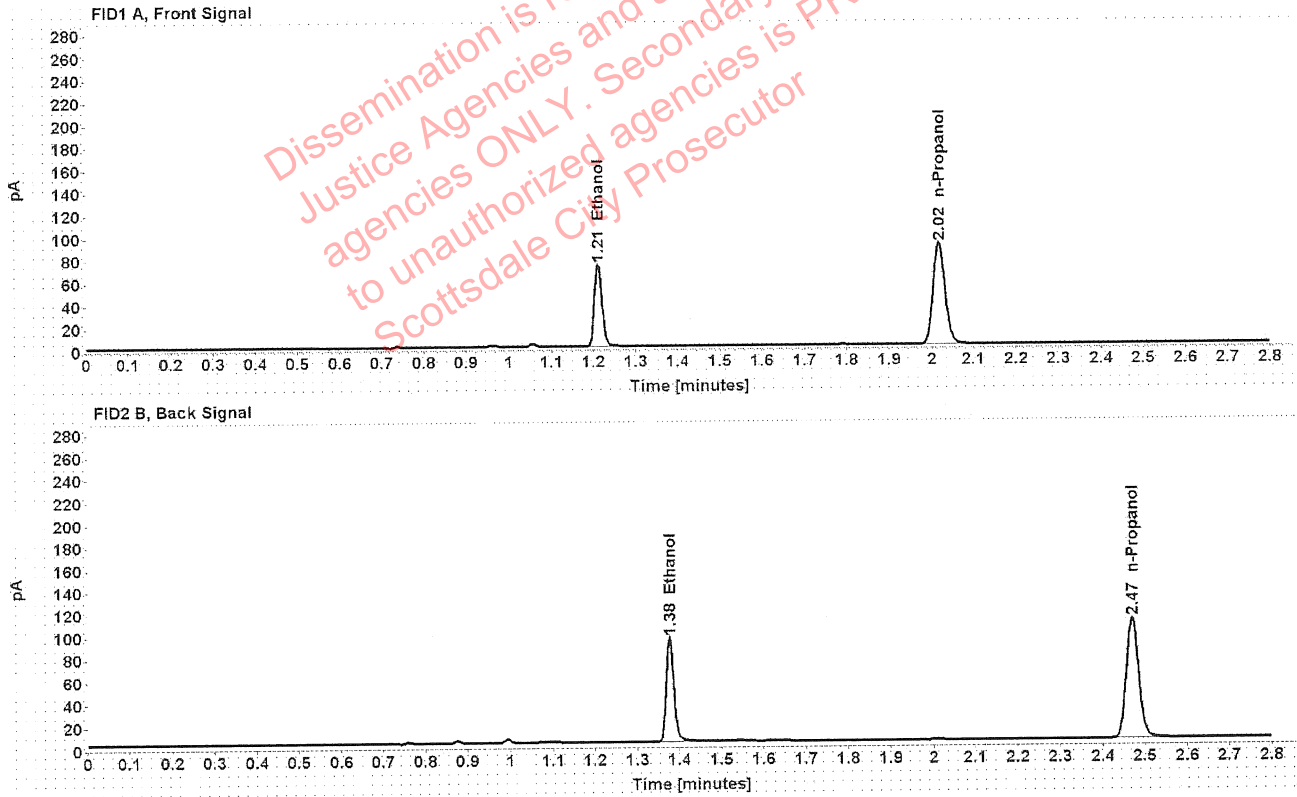


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1425	1.211	93.589
n-Propanol	-----	2.017	180.394

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

Compound	Time (min)	Peak Area
Ethanol	1.377	115.746
n-Propanol	2.470	217.869

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325973	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:16:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\33.D	Analyst:	Canonico

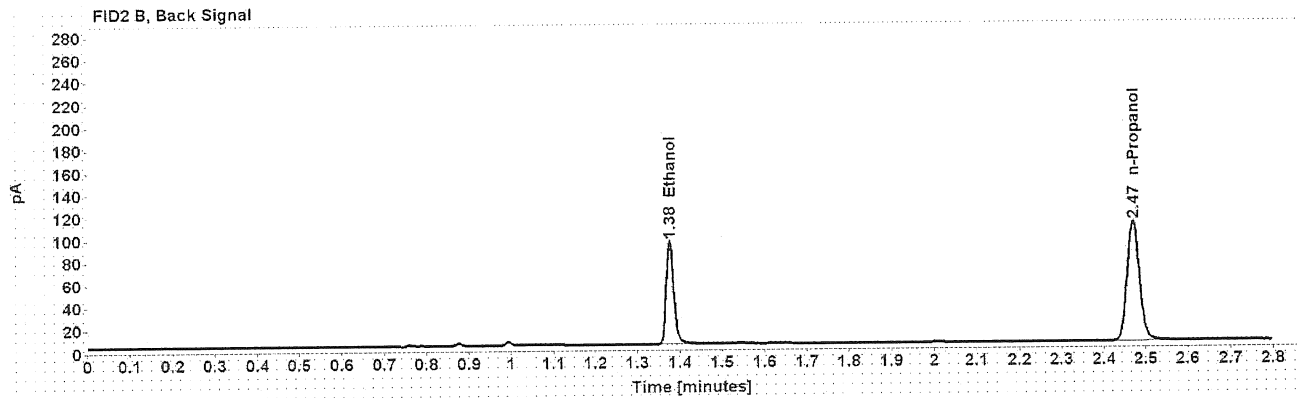
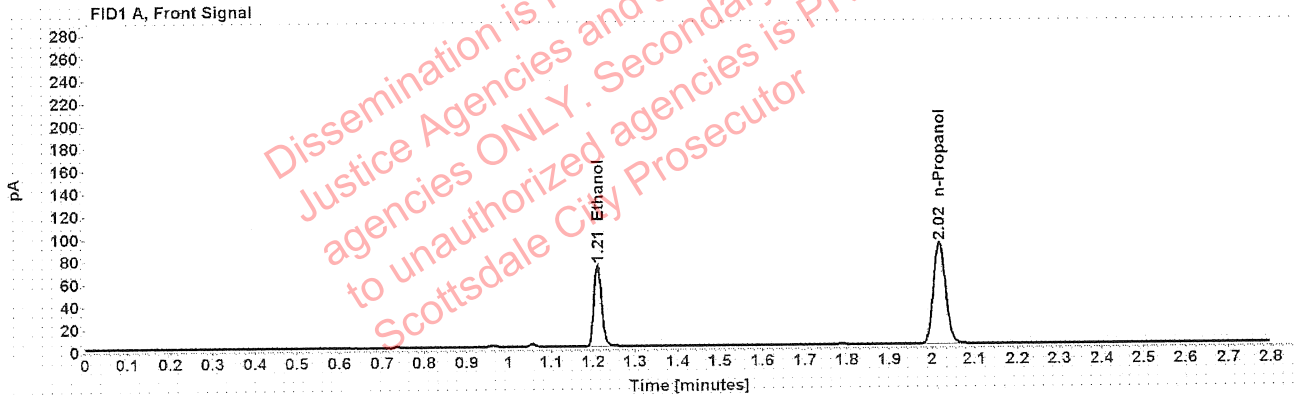


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1416	1.211	92.783
n-Propanol	-----	2.017	180.011

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

Compound	Time (min)	Peak Area
Ethanol	1.377	114.514
n-Propanol	2.470	217.607

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323791	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:20:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\34.D	Analyst:	Canonico

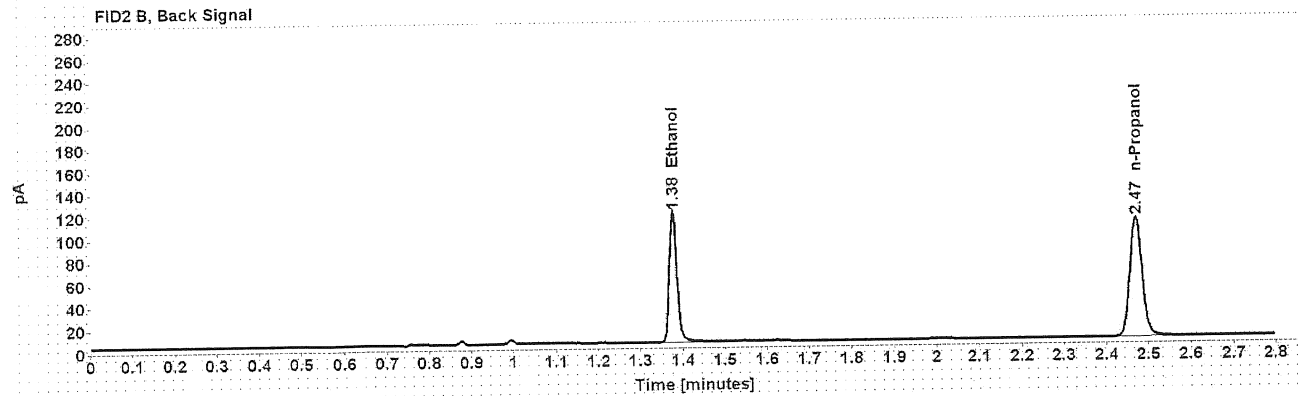
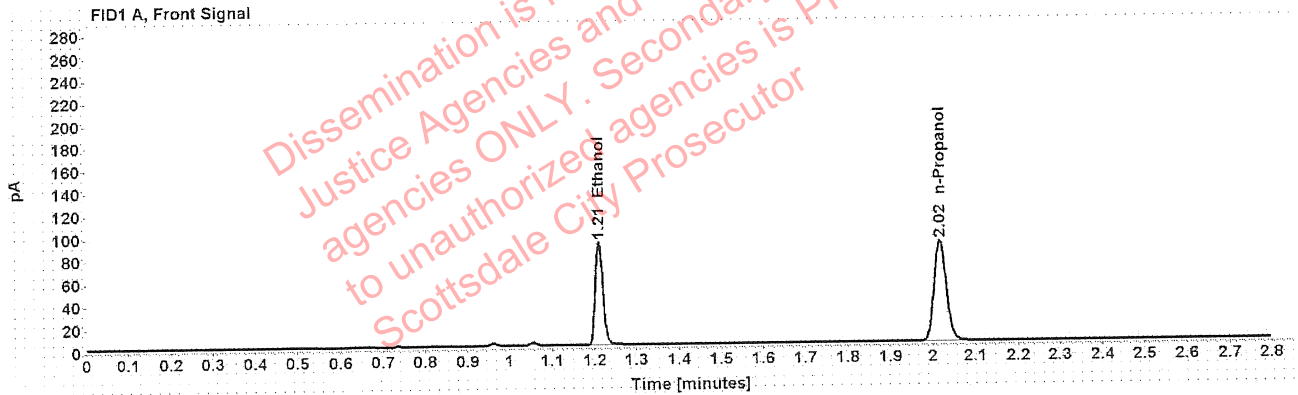


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1801	1.211	116.988
n-Propanol	-----	2.017	178.147

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

Compound	Time (min)	Peak Area
Ethanol	1.376	146.900
n-Propanol	2.470	216.117

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323791	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:24:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\35.D	Analyst:	Canonico

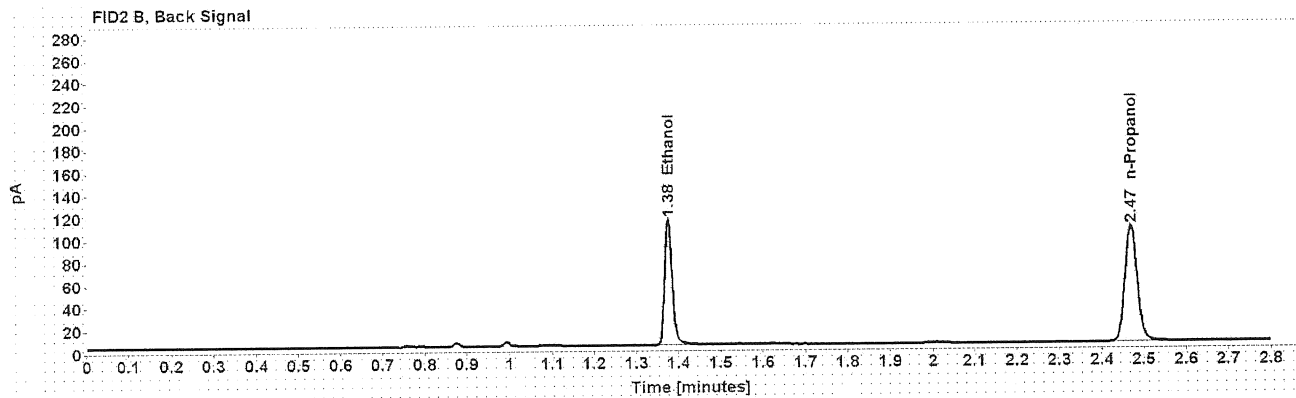
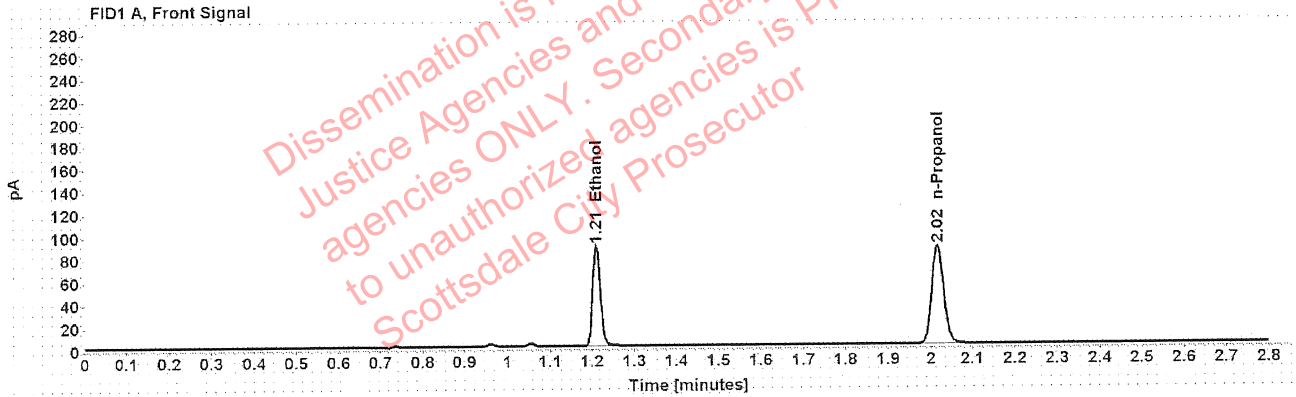


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1786	1.210	113.231
n-Propanol	-----	2.016	173.875

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

Compound	Time (min)	Peak Area
Ethanol	1.375	140.582
n-Propanol	2.469	211.136

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323367	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:28:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\36.D	Analyst:	Canonico

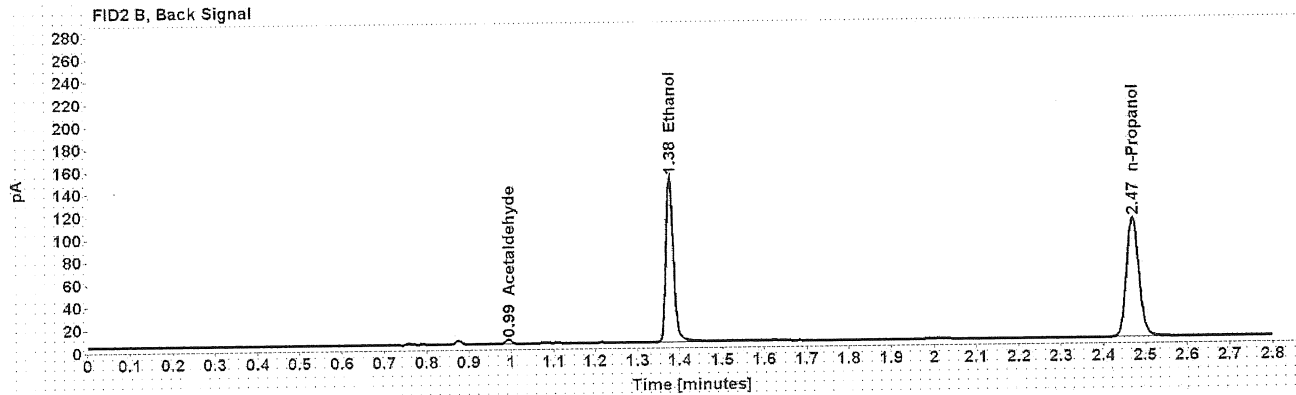
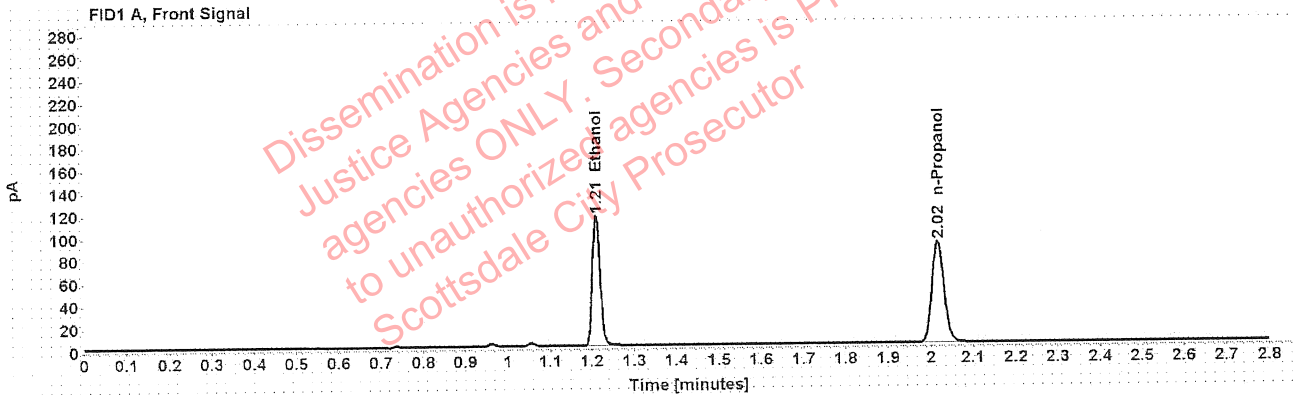


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2263	1.211	147.963
n-Propanol	-----	2.017	179.055

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.753
Ethanol	1.376	185.538
n-Propanol	2.470	217.330

: Canonico, Erika - (22-Jun-2020)

Case: [REDACTED] User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323367	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:32:38 PM
Data file:	C:\Chem321\1\Data\19Jun20\37.D	Analyst:	Canonico

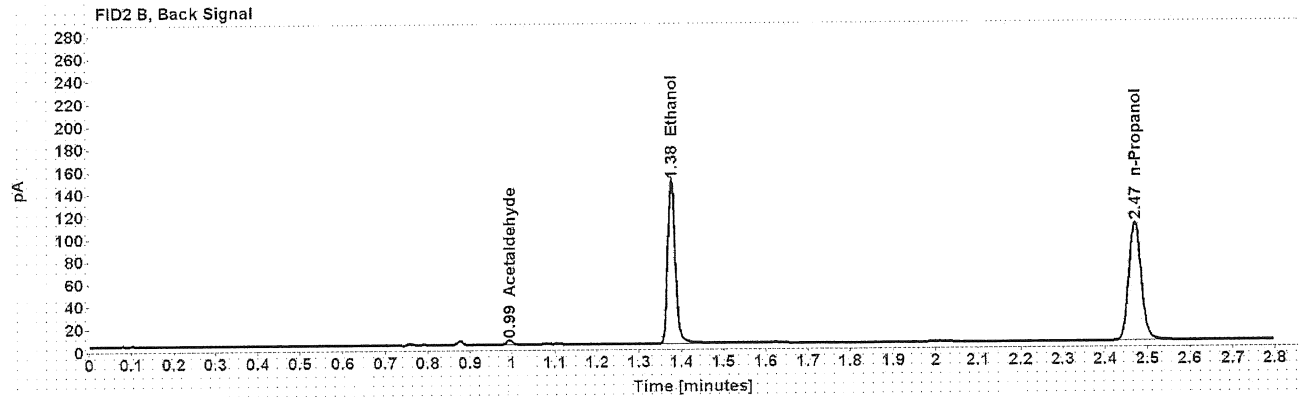
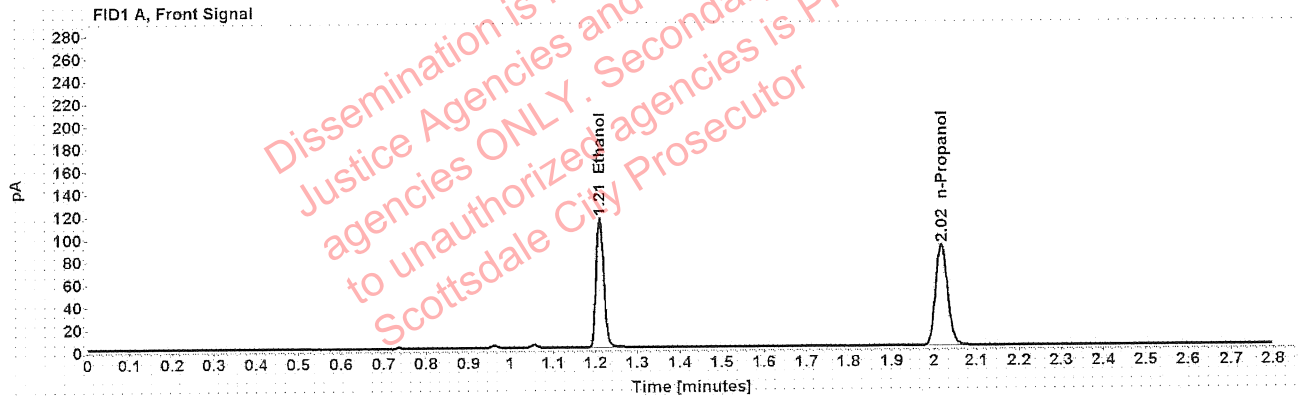


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2259	1.211	147.097
n-Propanol	-----	2.017	178.339

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.774
Ethanol	1.376	184.257
n-Propanol	2.470	216.297

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288727	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:36:39 PM
Data file:	C:\Chem32\1\Data\19Jun20\38.D	Analyst:	Canonico

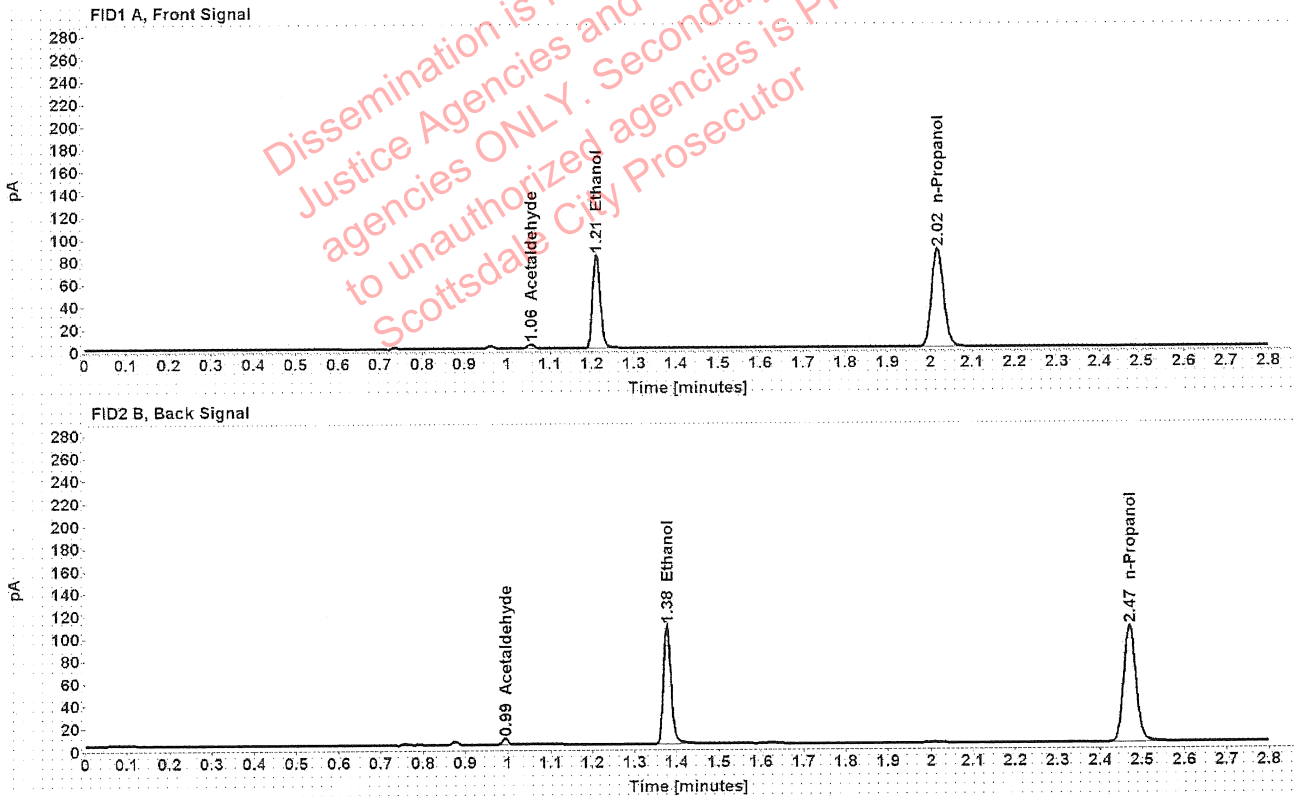


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.835
>Ethanol	0.1677	1.211	106.661
n-Propanol	-----	2.017	174.524

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.004
Ethanol	1.377	132.677
n-Propanol	2.470	212.068

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288727	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:40:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\39.D	Analyst:	Canonico

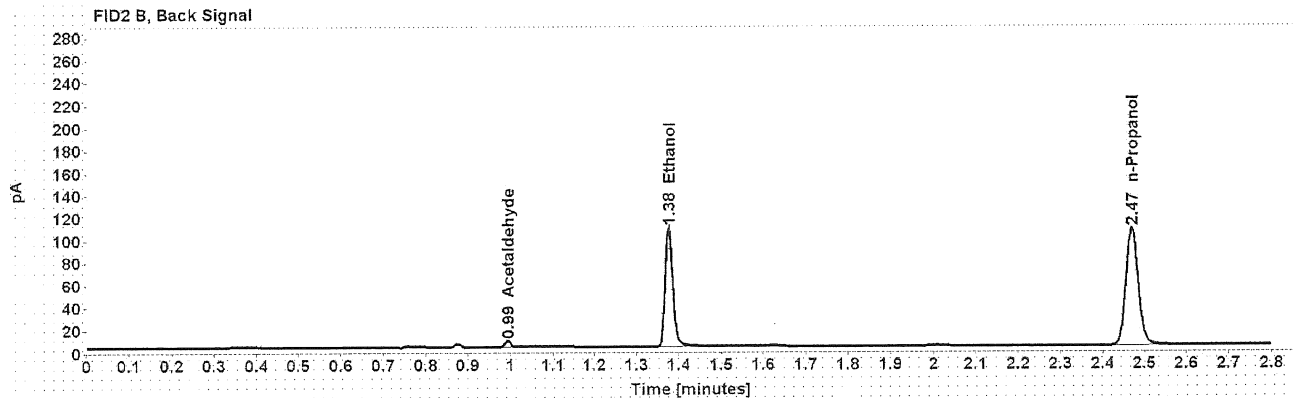
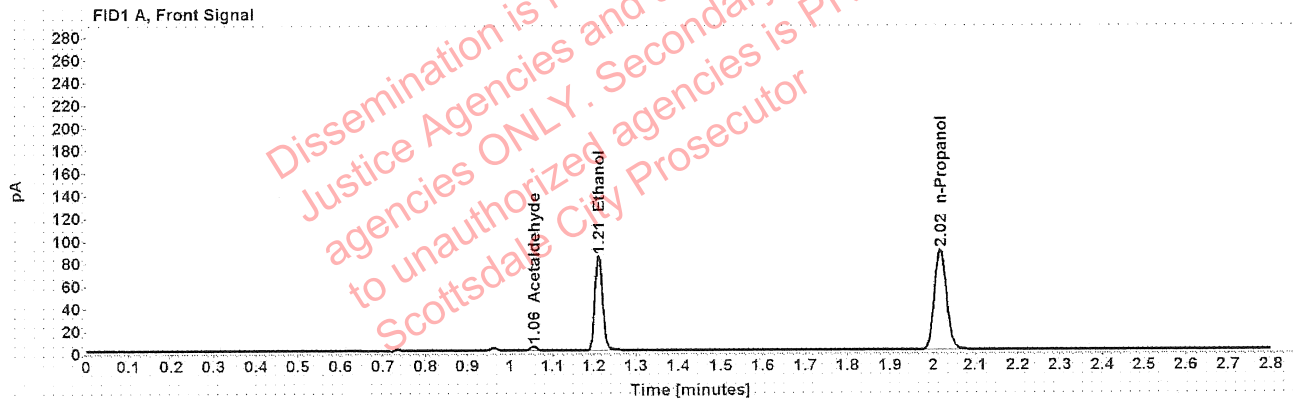


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.770
>Ethanol	0.1672	1.211	107.819
n-Propanol	-----	2.017	176.961

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.923
Ethanol	1.376	134.015
n-Propanol	2.469	214.958



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325970	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:44:39 PM
Data file:	C:\Chem32\1\Data\19Jun20\40.D	Analyst:	Canonico

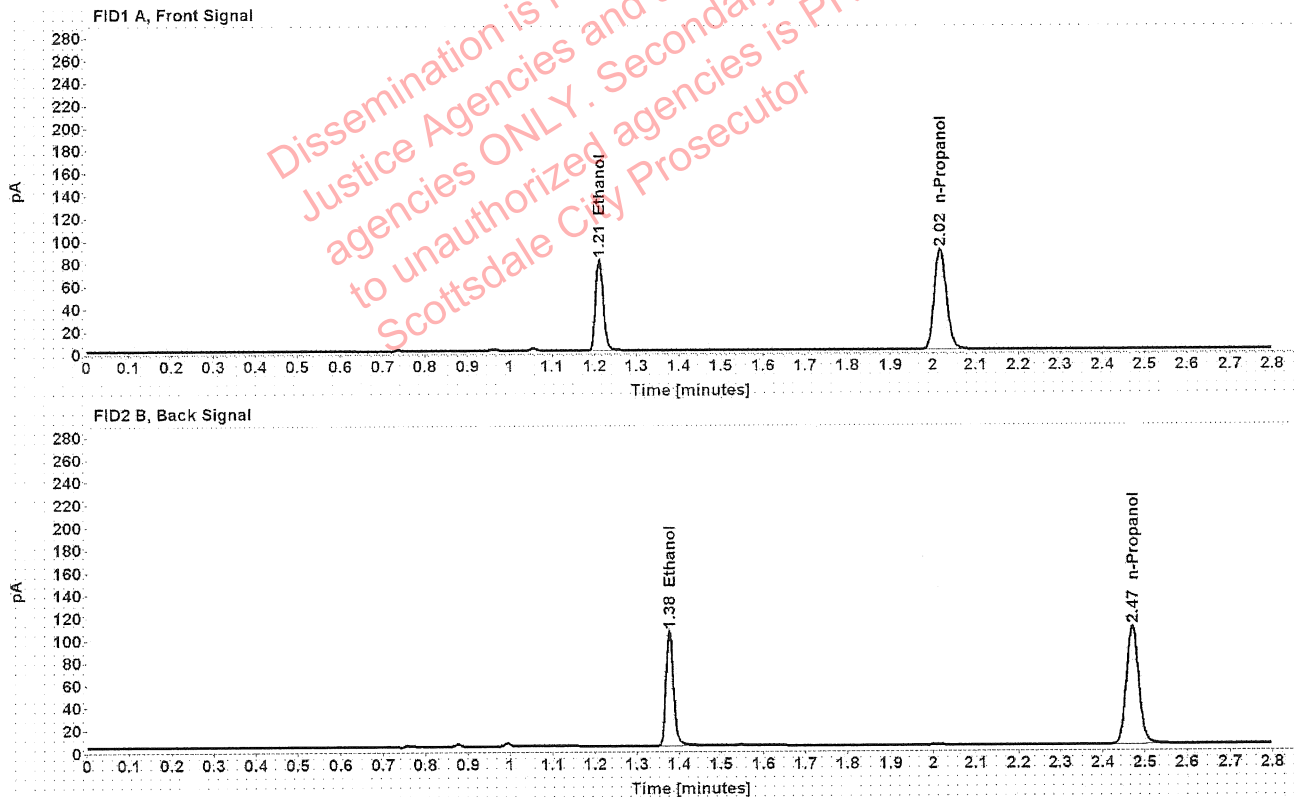


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1597	1.211	103.412
n-Propanol	-----	2.017	177.755

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

Compound	Time (min)	Peak Area
Ethanol	1.377	128.313
n-Propanol	2.470	214.758

Case: [REDACTED] User: ecanonico 6/22/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325970	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:48:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\41.D	Analyst:	Canonico

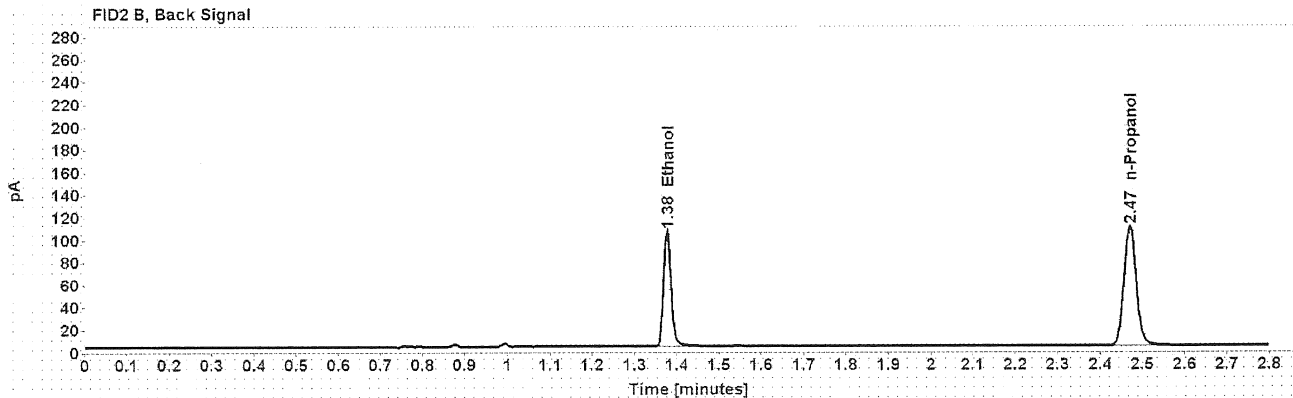
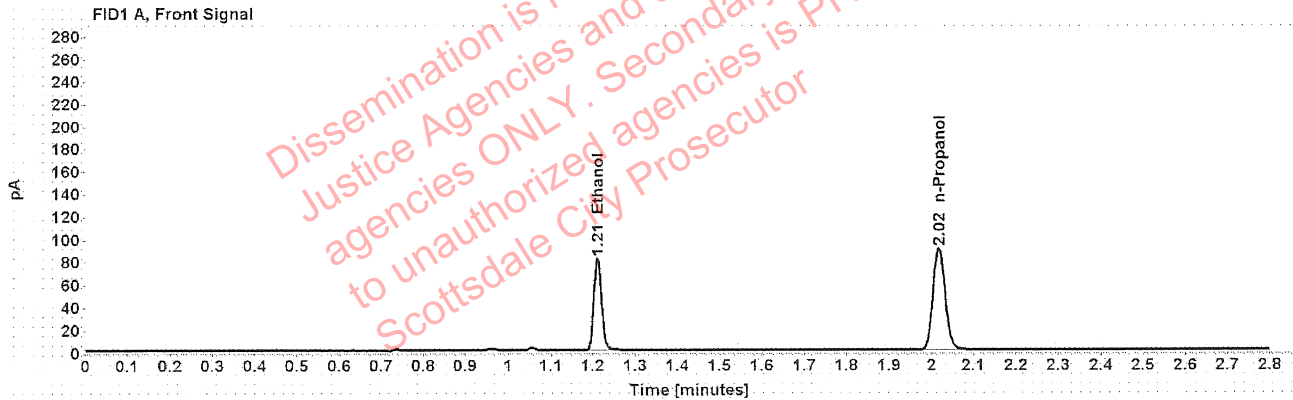


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1594	1.211	104.374
n-Propanol	-----	2.017	179.729

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

Compound	Time (min)	Peak Area
Ethanol	1.377	130.093
n-Propanol	2.470	217.586