

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 08/16/2022 SEQUENCE NAME 16Aug22

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN10051909 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN05311902 0.99951  
 Vial 3 0.20 calibrator Lot FN02052101  
 Vial 4 0.40 calibrator Lot FN03052102

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 070622AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.197 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.082 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.038 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.200 g/dL	ACQ 4110320133/8
45	Blank	Not detected	Not detected	SPD lab 101921WB

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

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

Run valid  Run invalid  Erika Carrasco Analyst  
 Run valid  Run invalid  [Signature] Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 16Aug22

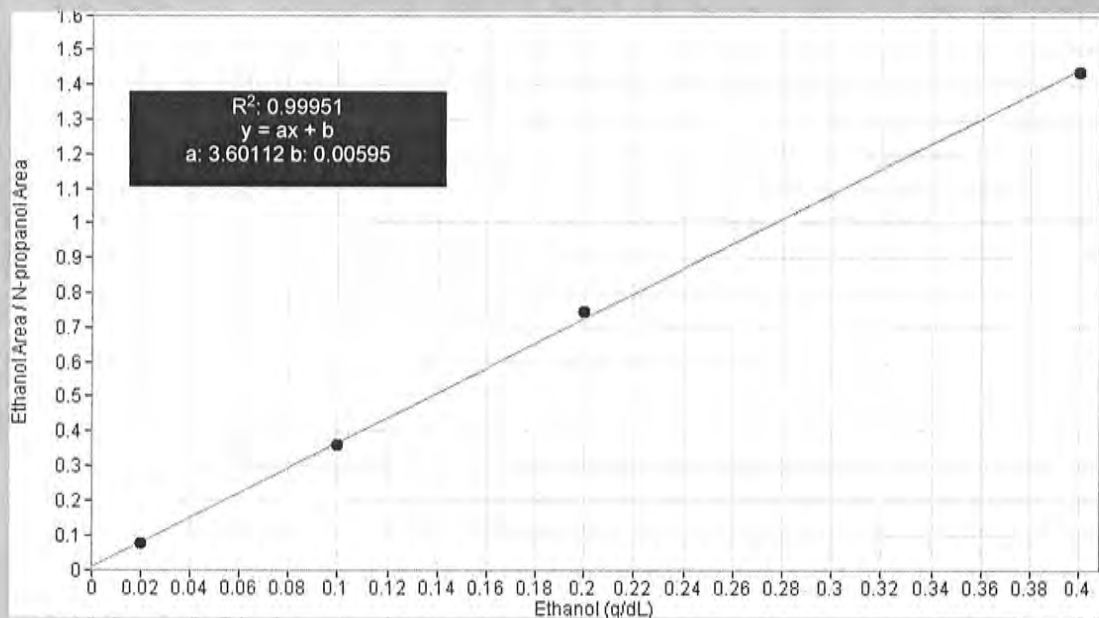
ANALYST: Canonico

ec

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 070622AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.039	0.040	2.50	-0.001
0.199 4110320133/8	9	0.197	0.199	1.01	-0.002
0.080 20012020-B	20	0.082	0.080	2.50	0.002
0.080 20012020-B	31	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.401	0.400	0.25	0.001
0.040 14082019-B	43	0.038	0.040	5.00	-0.002
0.199 4110320133/8	44	0.200	0.199	0.50	0.001
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.460	155.665	0.074
0.100	57.215	159.572	0.359
0.200	137.038	183.767	0.746
0.400	233.699	162.434	1.439

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN10051909	<b>Vial:</b>	1
<b>Description:</b>	0.020 calibrator	<b>Sequence:</b>	16Aug22
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	8/16/2022 12:10:51 PM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Canonico <i>ec</i>
<b>Data file:</b>	C:\Chem32\1\Data\16Aug22\1.D		

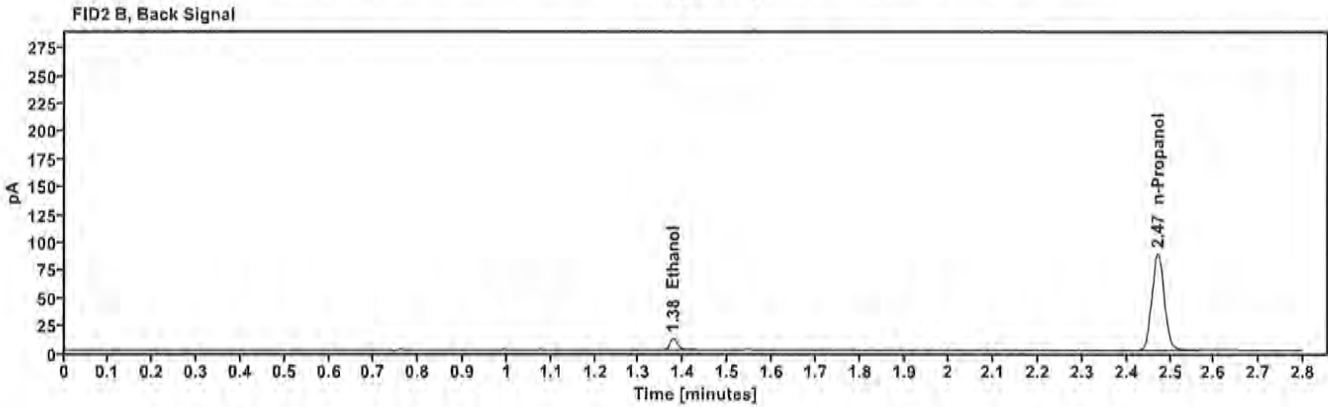
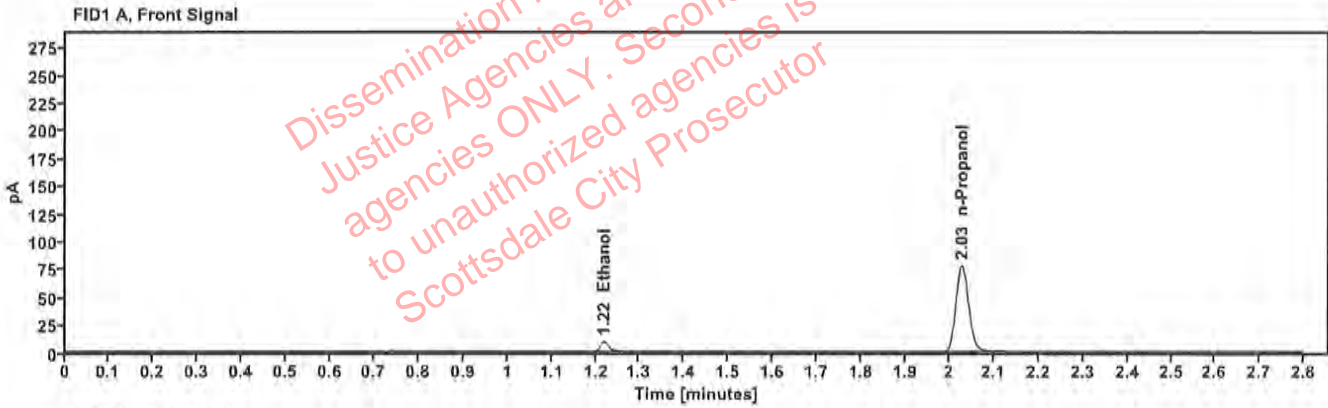


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.219	11.460
n-Propanol	2.027	155.665

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

Compound	Time (min)	Peak Area
Ethanol	1.377	12.893
n-Propanol	2.471	174.840

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	16Aug22
Method:	ethanol quant.M	Injection date:	8/16/2022 12:14:51 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico <span style="float: right;">e</span>
Data file:	C:\Chem32\1\Data\16Aug22\2.D		

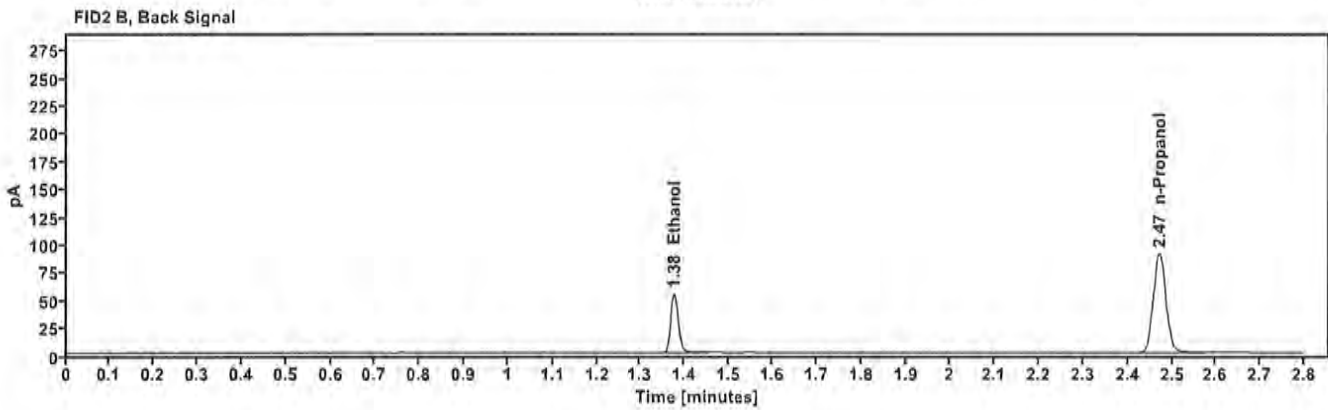
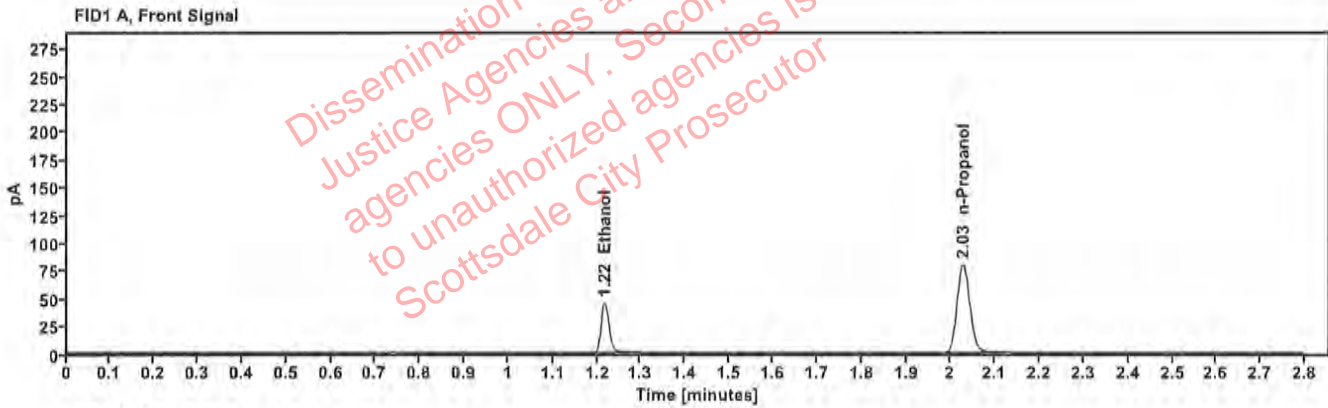


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.217	57.215
n-Propanol	2.027	159.572

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

Compound	Time (min)	Peak Area
Ethanol	1.376	64.460
n-Propanol	2.472	179.346

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02052101	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 16Aug22
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 8/16/2022 12:18:51 PM
<b>Instrument:</b> US14173023 CN14180045	<b>Analyst:</b> Canonico <span style="float: right;">EC</span>
<b>Data file:</b> C:\Chem32\1\Data\16Aug22\3.D	

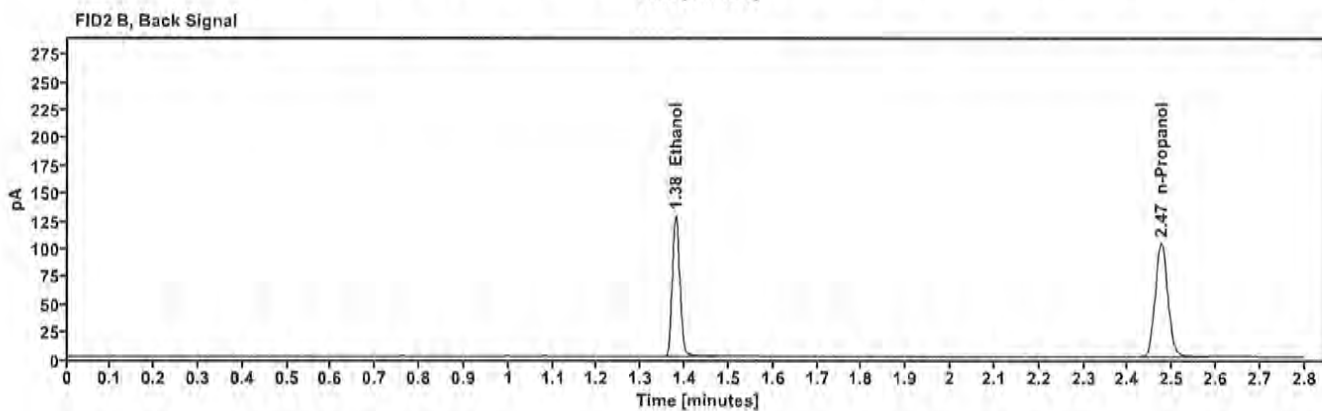
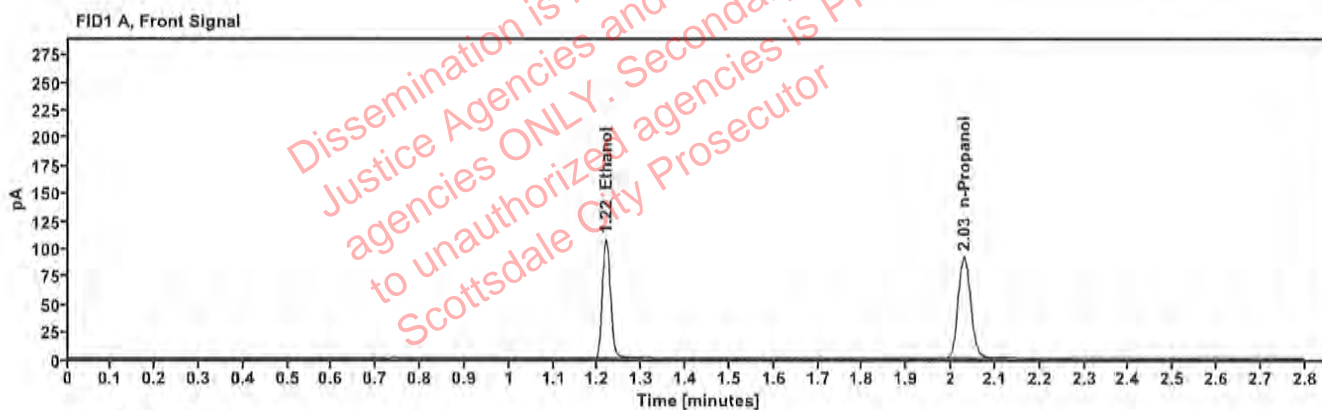


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.218	137.038
n-Propanol	2.029	183.767

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

Compound	Time (min)	Peak Area
Ethanol	1.379	154.962
n-Propanol	2.475	206.566

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4	
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 16Aug22	
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 8/16/2022 12:22:51 PM	
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Canonico	EC
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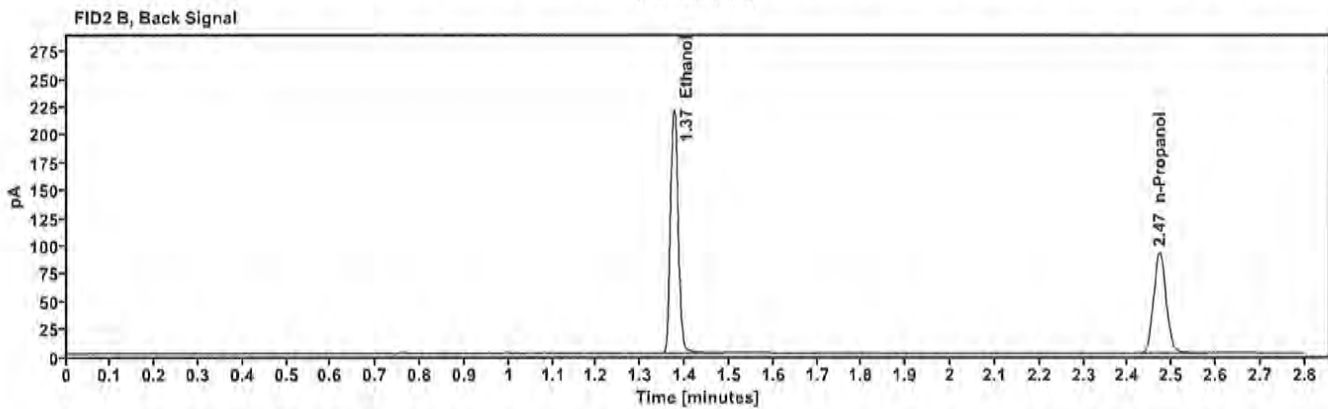
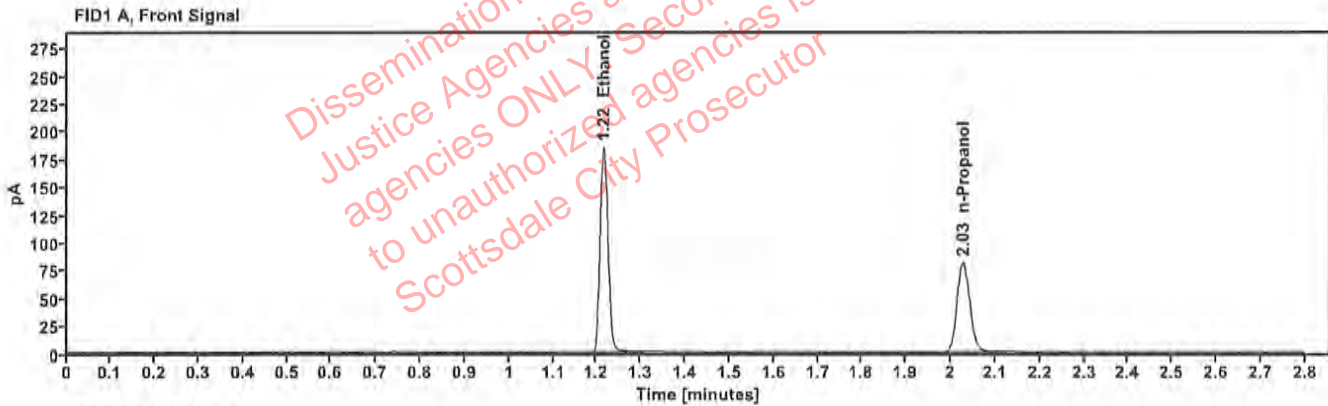


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.215	233.699
n-Propanol	2.028	162.434

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

Compound	Time (min)	Peak Area
Ethanol	1.375	264.692
n-Propanol	2.472	182.391

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	070622AQ	<b>Vial:</b>	5
<b>Description:</b>	Negative	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	16Aug22
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	8/16/2022 12:26:51 PM
<b>Data file:</b>	C:\CHEM32\1\DATA\16AUG22\5.D	<b>Analyst:</b>	Canonico <span style="float: right;">EC</span>

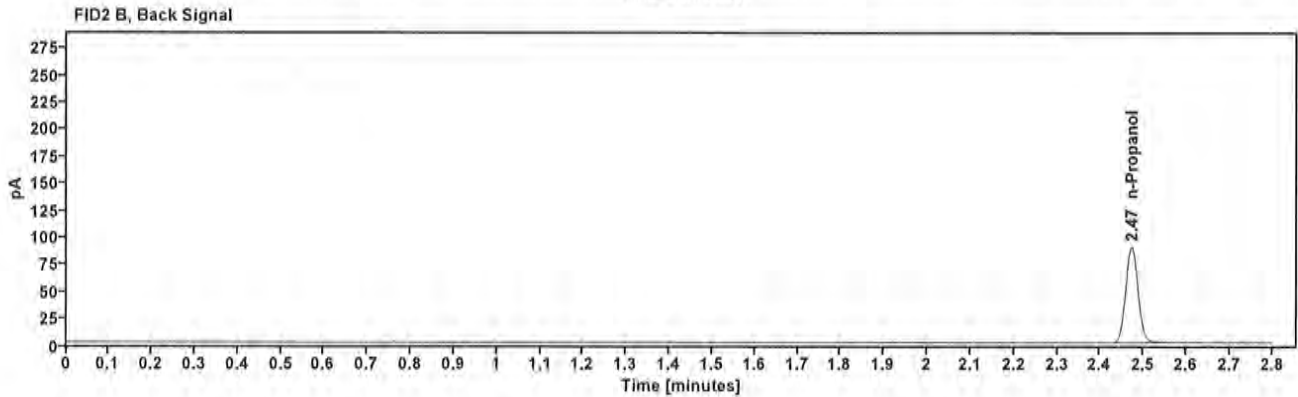
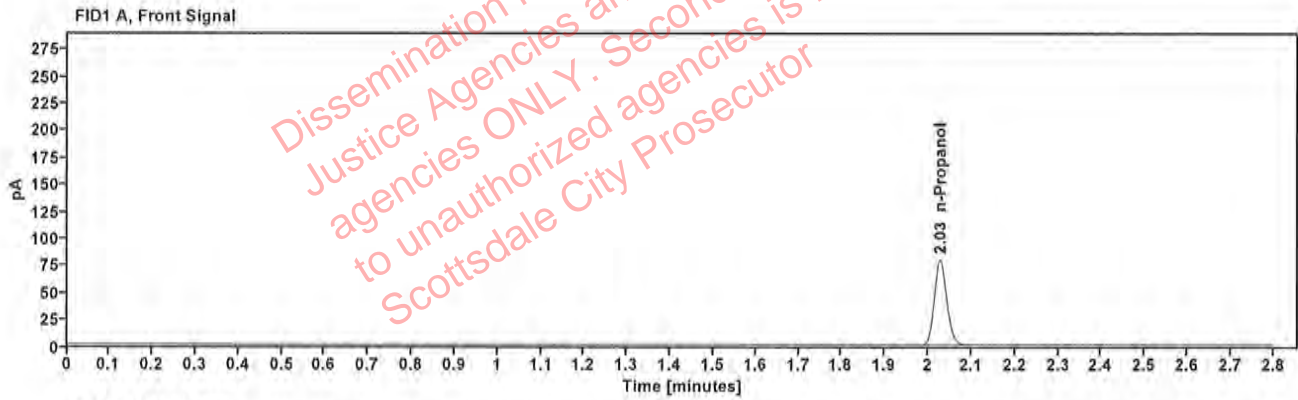


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.027	158.488

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

Compound	Time (min)	Peak Area
n-Propanol	2.472	177.986

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 12:30:52 PM
Data file:	C:\Chem32\1\Data\16Aug22\6.D	Analyst:	Canonico <span style="float: right;">EC</span>

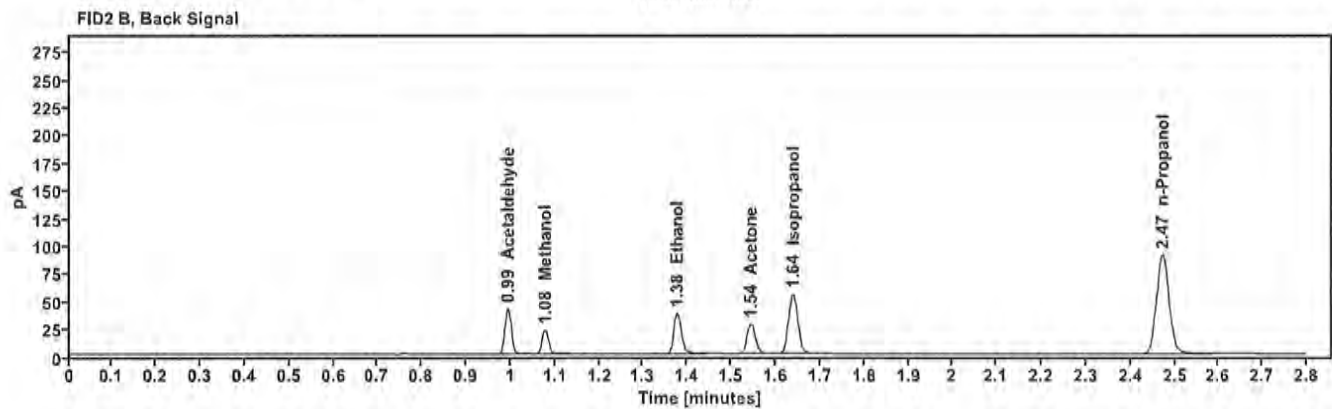
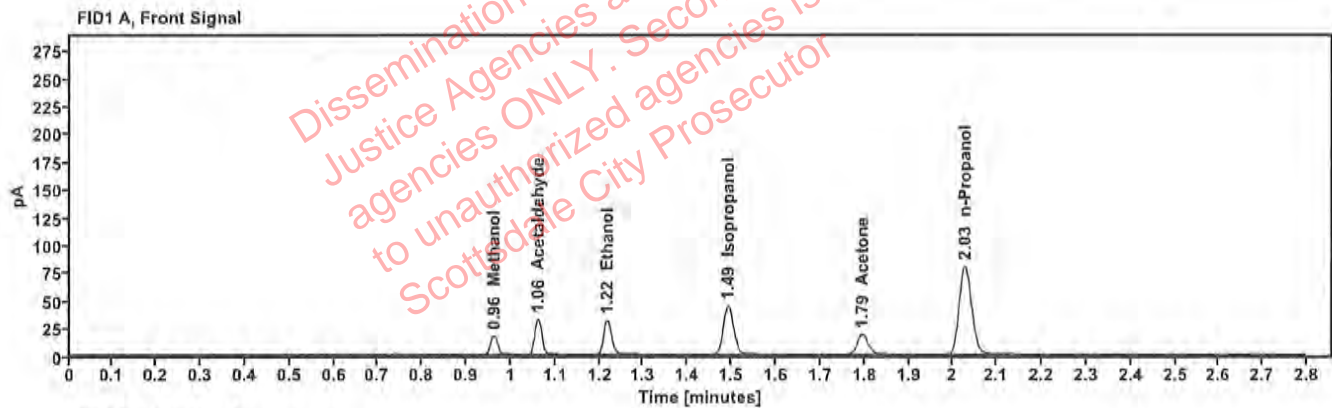


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.962	19.771
Acetaldehyde	-----	1.061	35.480
>Ethanol	0.0671	1.217	39.686
Isopropanol	-----	1.492	70.882
Acetone	-----	1.795	31.695
n-Propanol	-----	2.028	160.330

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	40.601
Methanol	1.077	22.508
Ethanol	1.376	44.687
Acetone	1.544	35.581
Isopropanol	1.639	80.706
n-Propanol	2.472	180.050



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 12:35:06 PM
Data file:	C:\Chem32\1\Data\16Aug22\7.D	Analyst:	Canonico <span style="float: right;">EC</span>

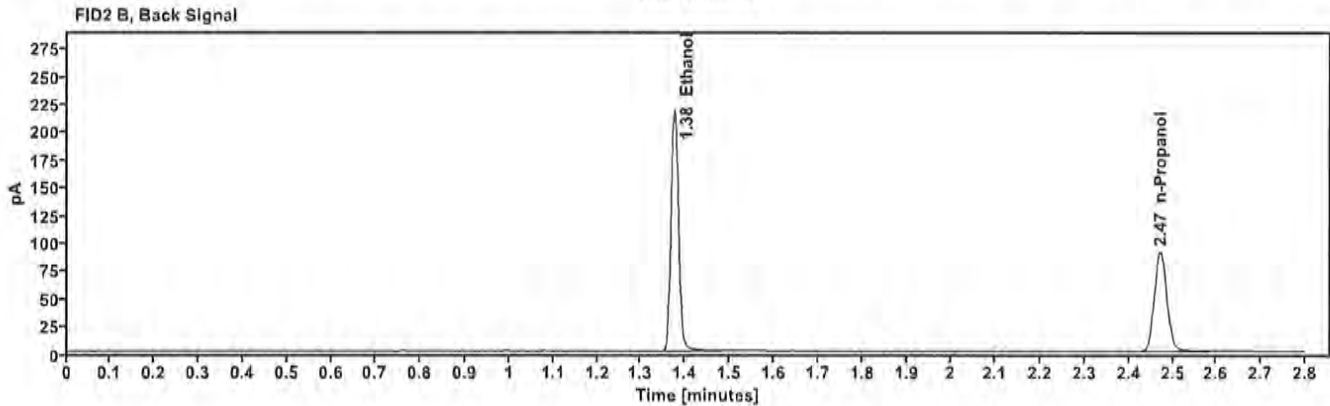
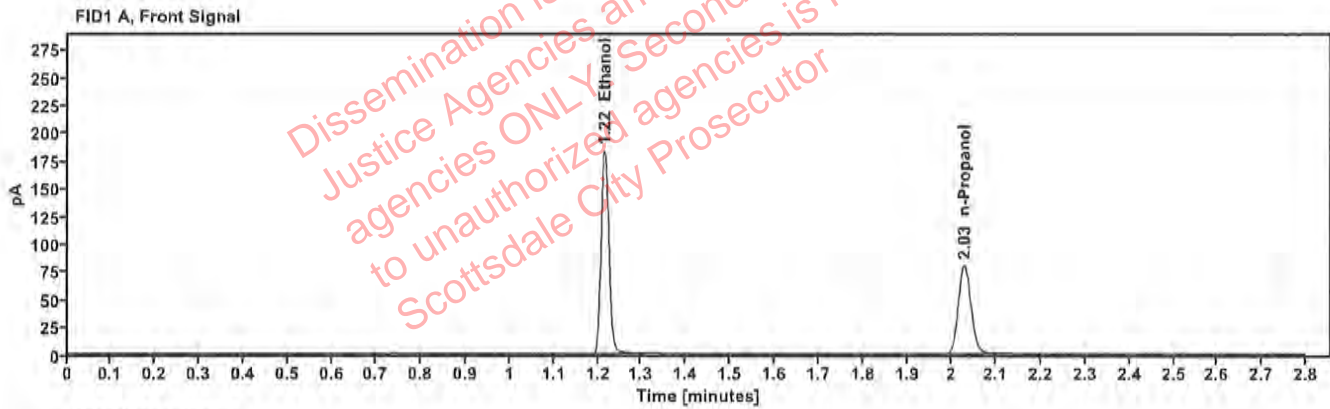


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3989	1.215	231.382
n-Propanol	---	2.028	160.420

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

Compound	Time (min)	Peak Area
Ethanol	1.375	262.018
n-Propanol	2.472	180.100

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 12:39:07 PM
Data file:	C:\Chem32\1\Data\16Aug22\8.D	Analyst:	Canonico <i>EC</i>

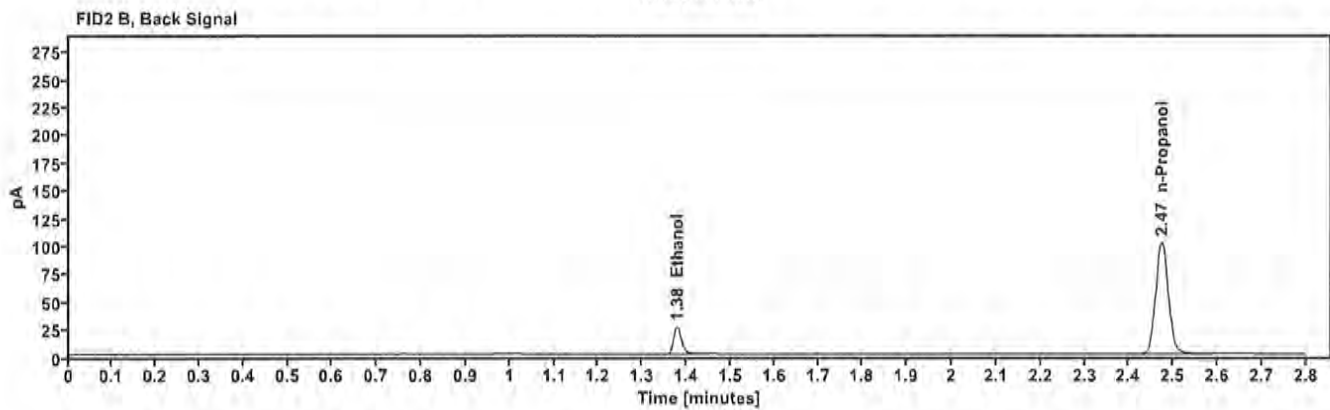
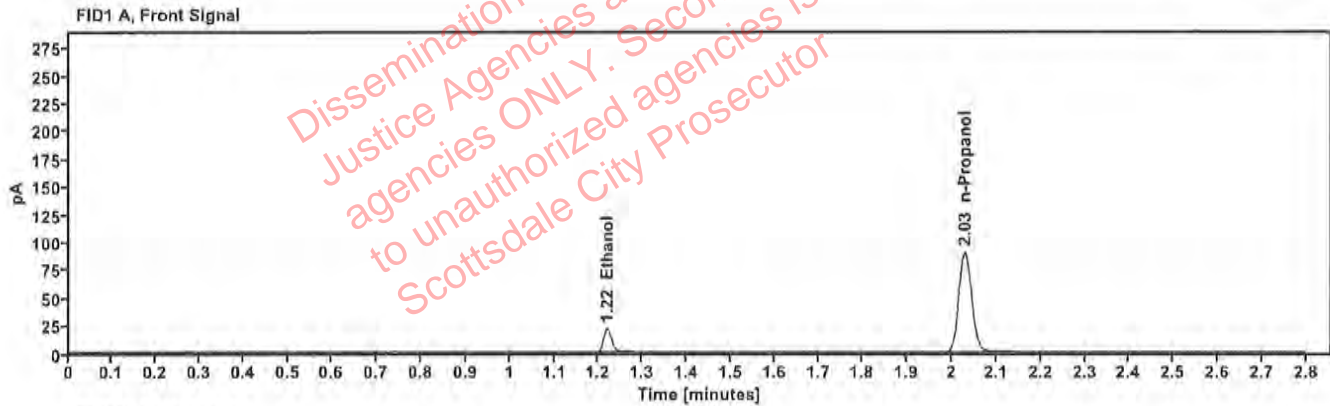


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0396	1.219	26.826
n-Propanol	—	2.029	180.554

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

Compound	Time (min)	Peak Area
Ethanol	1.379	30.133
n-Propanol	2.474	202.807

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/8	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 16Aug22
Instrument: US14173023 CN14160045	Injection date: 8/16/2022 12:43:06 PM
Data file: C:\Chem32\1\Data\16Aug22\9.D	Analyst: Canonico <i>ec</i>

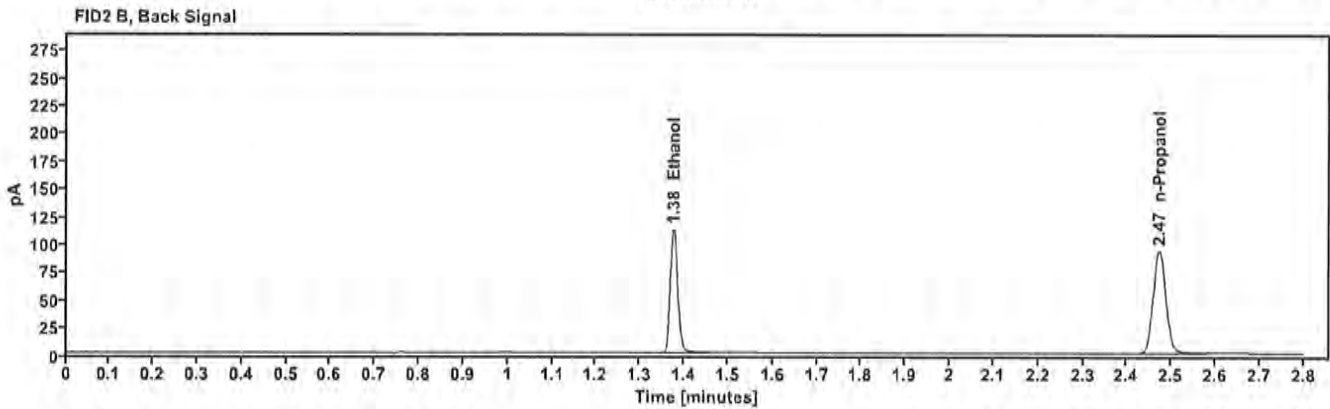
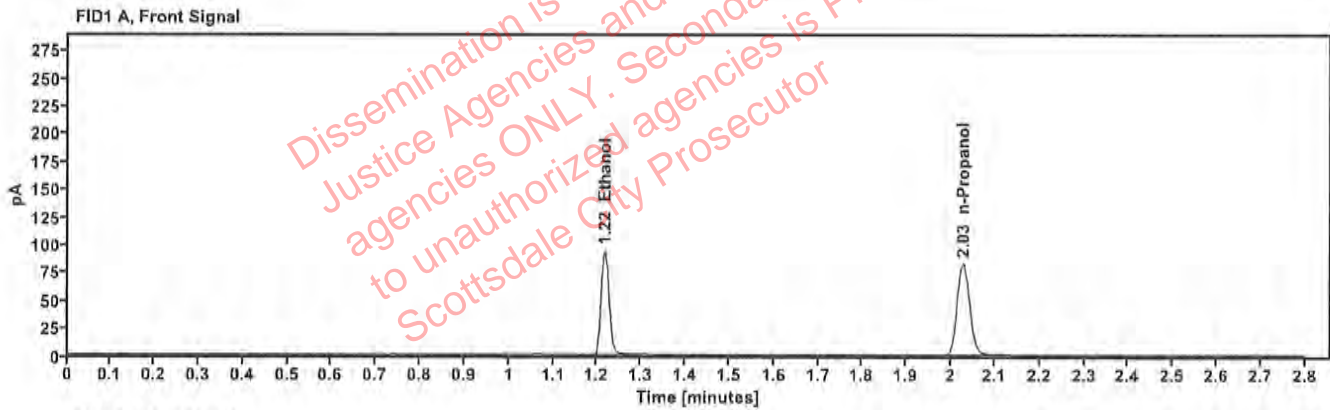


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1978	1.216	118.858
n-Propanol	-----	2.028	165.494

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

Compound	Time (min)	Peak Area
Ethanol	1.376	134.029
n-Propanol	2.472	185.814

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:27:36 PM
Data file:	C:\Chem32\1\Data\16Aug22\20.D	Analyst:	Canonico <i>CC</i>

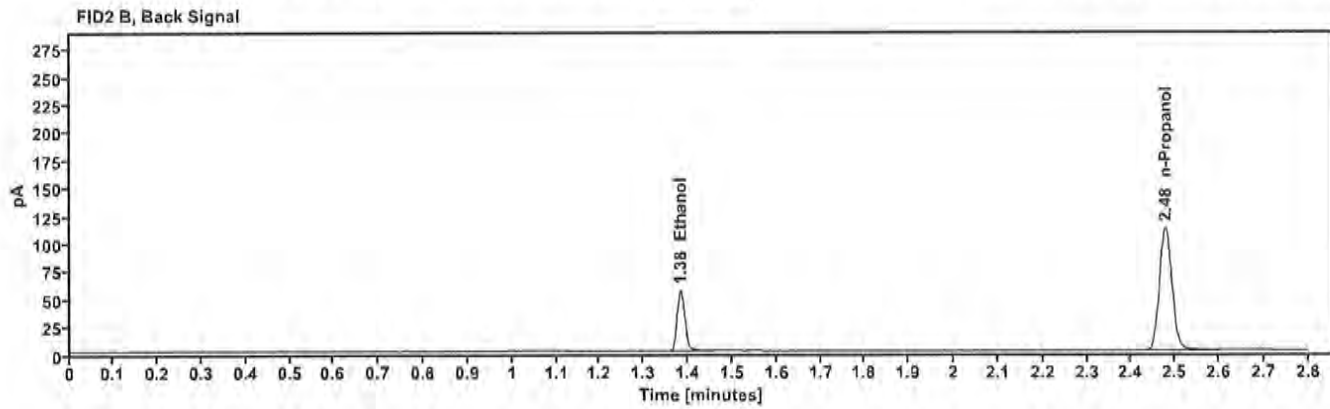
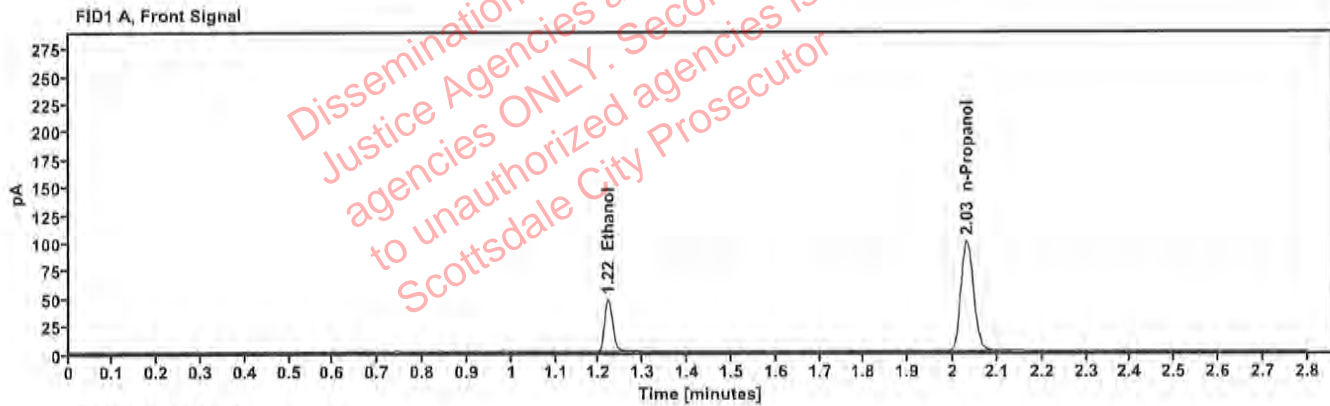


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0822	1.221	60.105
n-Propanol	---	2.031	199.032

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

Compound	Time (min)	Peak Area
Ethanol	1.383	67.671
n-Propanol	2.478	223.588

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:12:07 PM
Data file:	C:\Chem32\1\Data\16Aug22\31.D	Analyst:	Canonico <i>EC</i>

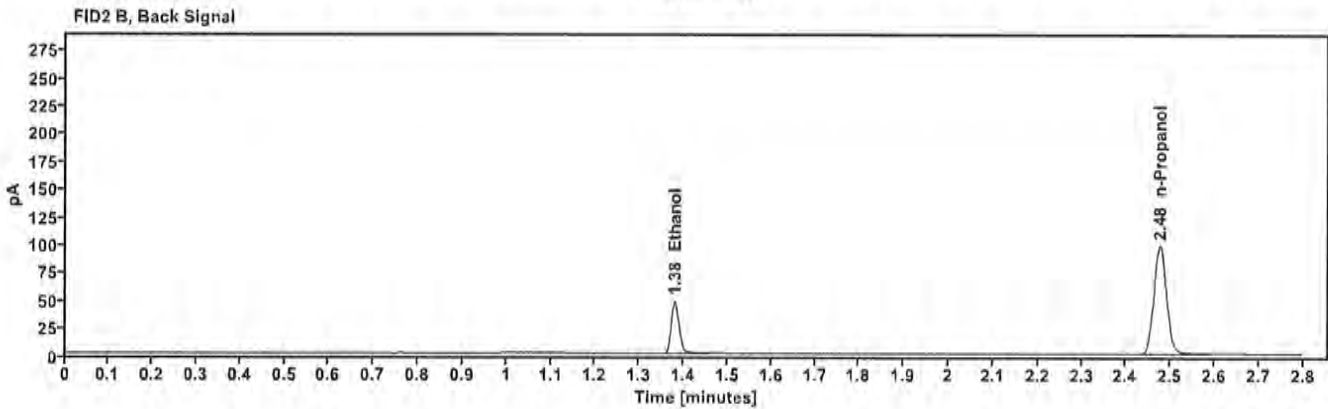
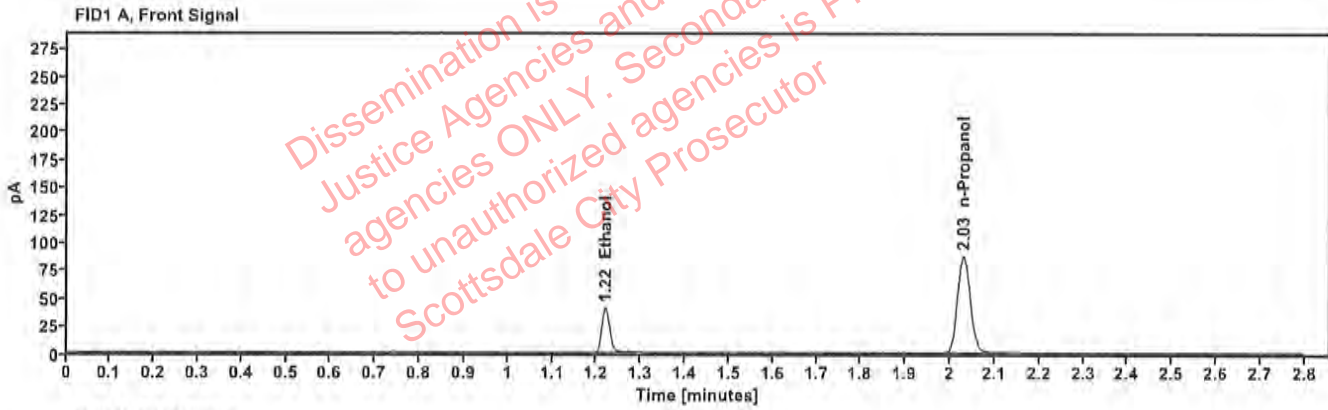


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0801	1.219	51.640
n-Propanol	---	2.030	175.510

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

Compound	Time (min)	Peak Area
Ethanol	1.380	58.211
n-Propanol	2.476	196.812

# 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> 16Aug22
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 8/16/2022 2:56:22 PM
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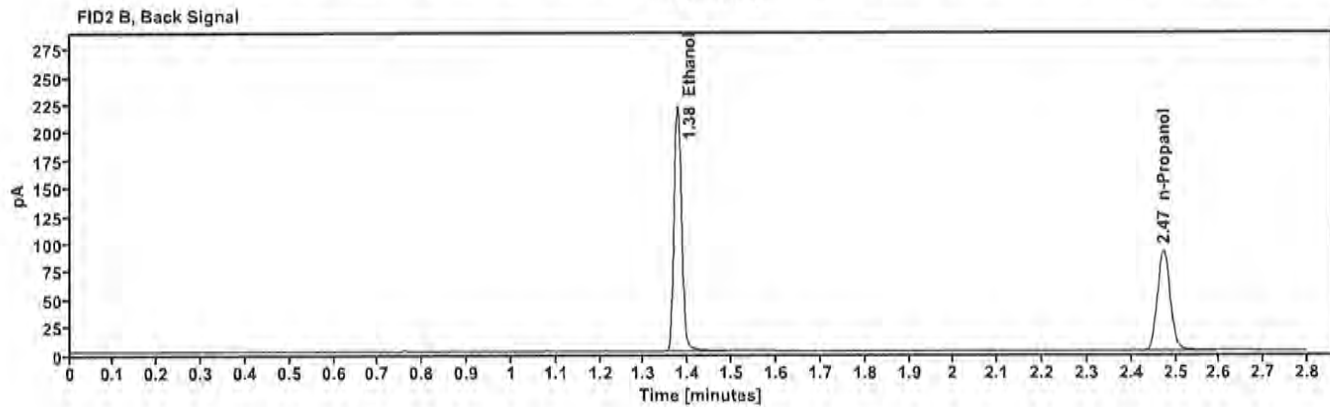
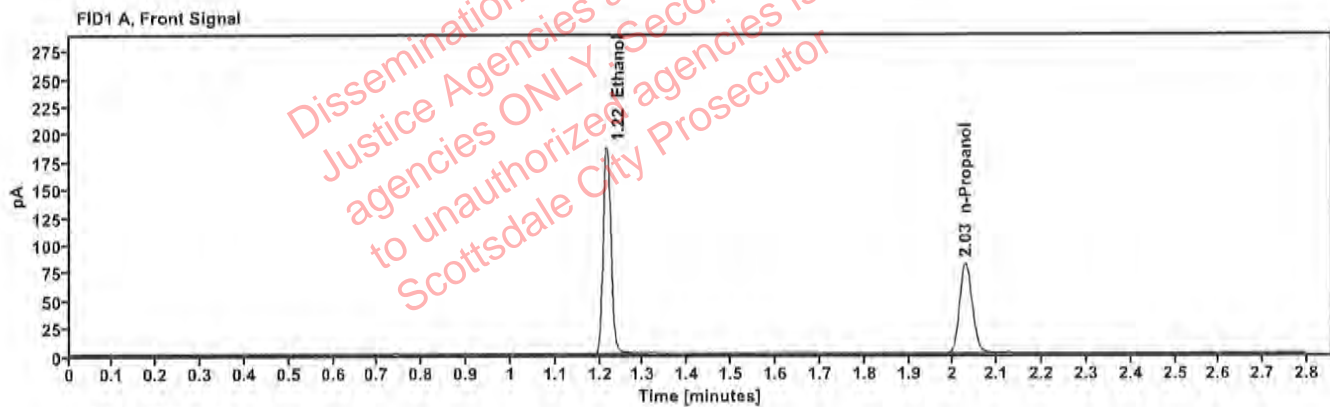


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4012	1.216	236.636
n-Propanol	---	2.028	163.107

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

Compound	Time (min)	Peak Area
Ethanol	1.376	268.080
n-Propanol	2.473	182.886

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 3:00:38 PM
Data file:	C:\Chem32\1\Data\16Aug22\43.D	Analyst:	Canonico <i>ec</i>

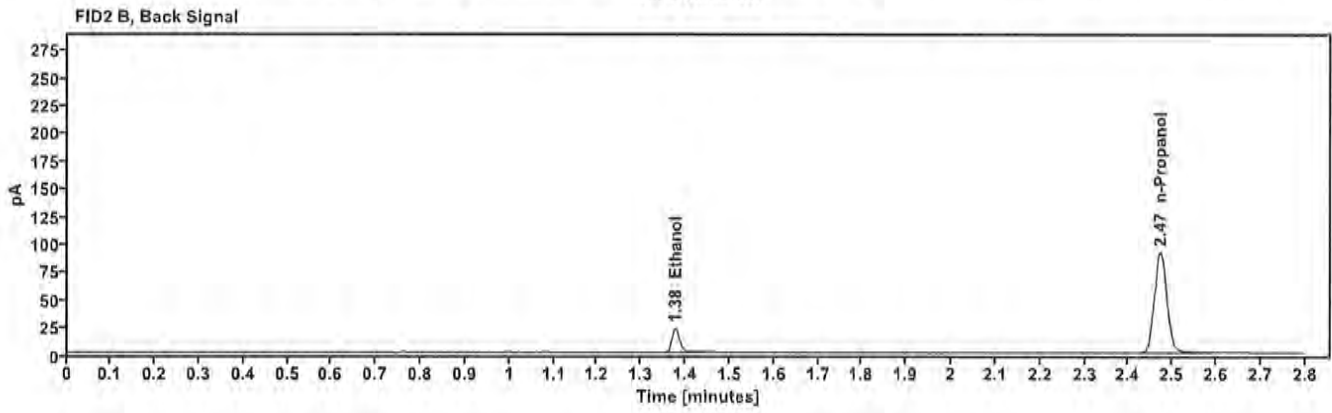
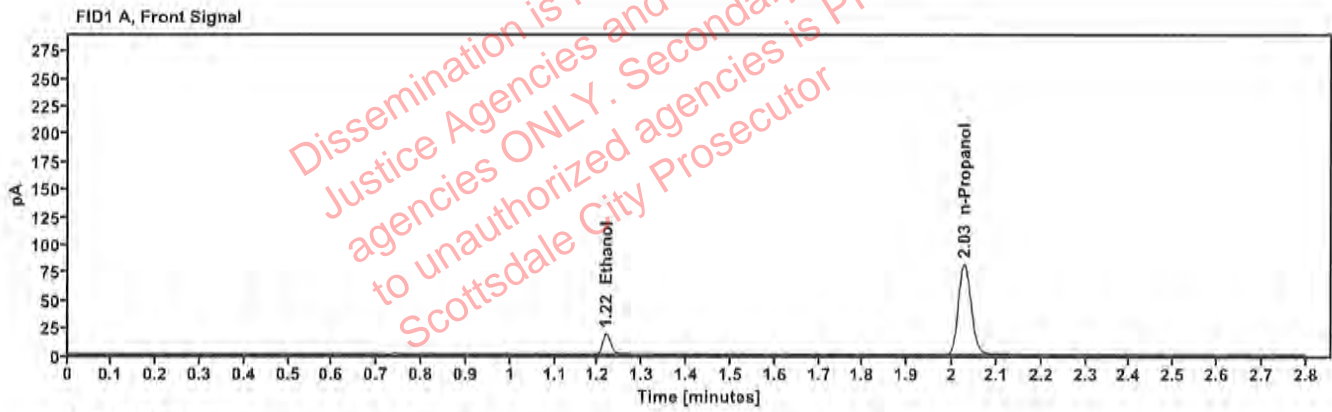


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0384	1.218	23.575
n-Propanol	---	2.028	163.523

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

Compound	Time (min)	Peak Area
Ethanol	1.377	26.543
n-Propanol	2.472	183.466

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/8	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 16Aug22
Instrument: US14173023 CN14160045	Injection date: 8/16/2022 3:04:37 PM
Data file: C:\Chem32\1\Data\16Aug22\44.D	Analyst: Canonico EC

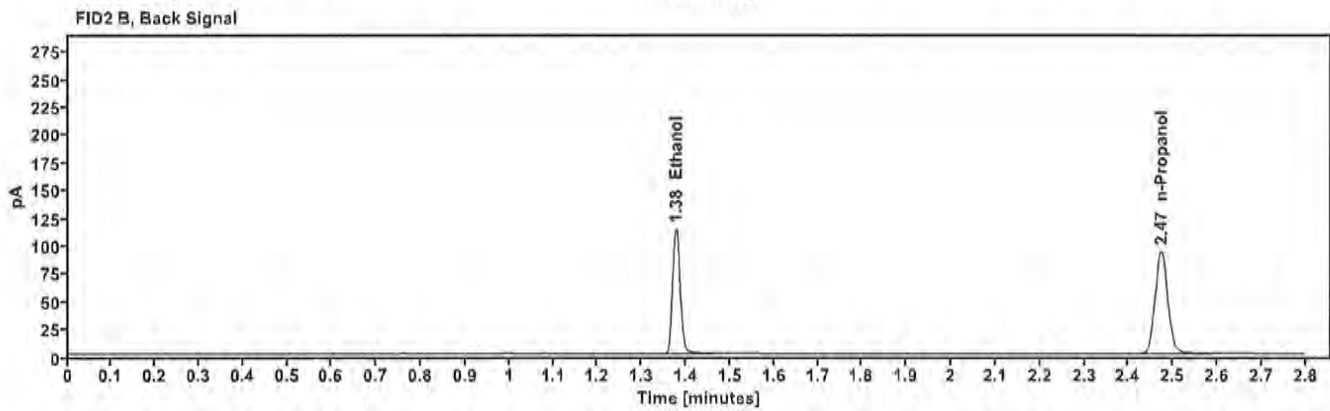
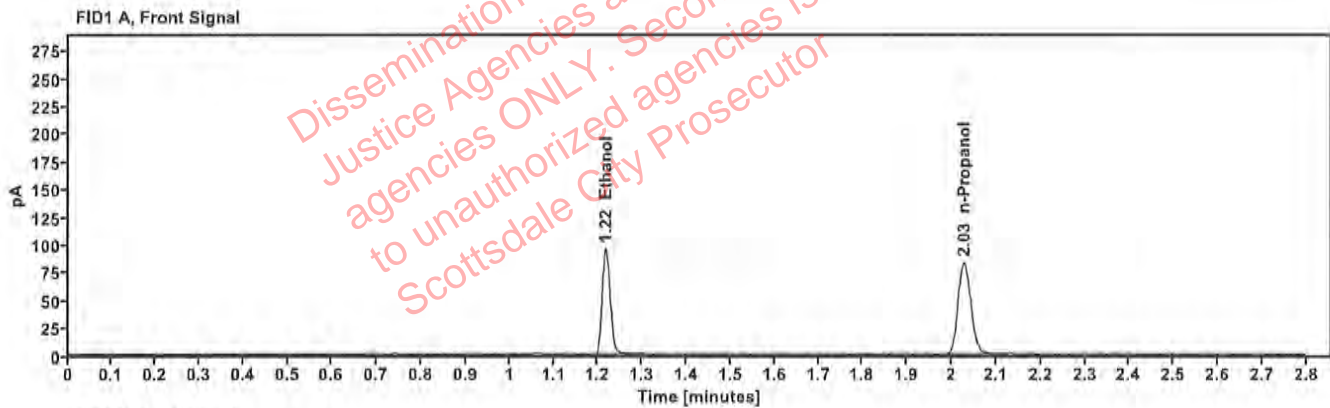


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2004	1.217	120.940
n-Propanol	---	2.028	166.225

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

Compound	Time (min)	Peak Area
Ethanol	1.376	136.360
n-Propanol	2.473	186.577



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 3:08:37 PM
Data file:	C:\Chem32\1\Data\16Aug22\45.D	Analyst:	Canonico <i>EC</i>

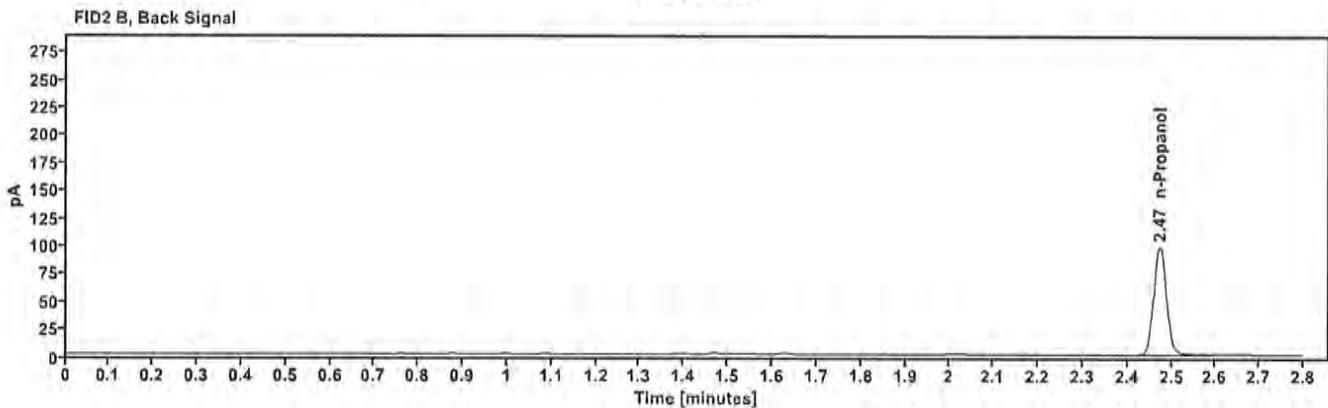
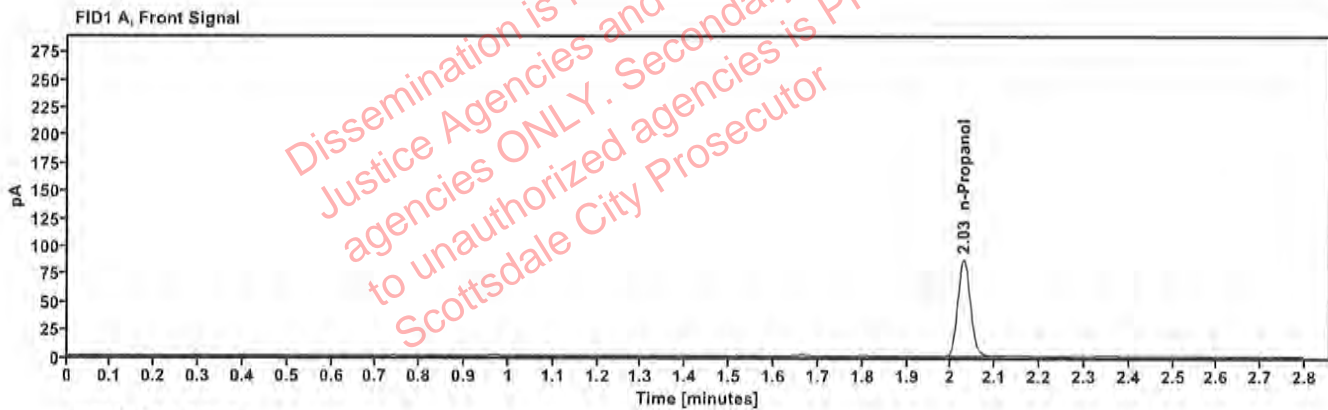


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.029	174.171

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

Compound	Time (min)	Peak Area
n-Propanol	2.474	196.324

# Sequence Summary

Sequence name: 16Aug22      Instrument: US14173023 CN14160045      Analyst: Canonico

Vial	Sample	Description	Type	LIMS ID	Method
1	FN10051909	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN02052101	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	070622AQ	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/8	0.199	Control		ethanol quant.M
10	36801RB		Sample		ethanol quant.M
11	36801RB		Sample		ethanol quant.M
12	1405638		Sample		ethanol quant.M
13	1405638		Sample		ethanol quant.M
14	1431306		Sample		ethanol quant.M
15	1431306		Sample		ethanol quant.M
16	1432508		Sample		ethanol quant.M
17	1432508		Sample		ethanol quant.M
18	1432576		Sample		ethanol quant.M
19	1432576		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1432400		Sample		ethanol quant.M
22	1432400		Sample		ethanol quant.M
23	1432904		Sample		ethanol quant.M
24	1432904		Sample		ethanol quant.M
25	1431874		Sample		ethanol quant.M
26	1431874		Sample		ethanol quant.M
27	1432996		Sample		ethanol quant.M
28	1432996		Sample		ethanol quant.M
29	1433300		Sample		ethanol quant.M
30	1433300		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1432551		Sample		ethanol quant.M
33	1432551		Sample		ethanol quant.M
34	1404613		Sample		ethanol quant.M
35	1404613		Sample		ethanol quant.M
36	1433774		Sample		ethanol quant.M
37	1433774		Sample		ethanol quant.M
38	1433410		Sample		ethanol quant.M
39	1433410		Sample		ethanol quant.M
40	1433853		Sample		ethanol quant.M
41	1433853		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/8	0.199	Control		ethanol quant.M
45	101921WB	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: 16Aug22

ANALYST: Canonico EC

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0546	0.0539	0.05425	0.65	0.00035
12 13	0.2386	0.2410	0.23980	0.50	0.00120
14 15	0.1851	0.1914	0.18825	1.67	0.00315
16 17	0.1359	0.1346	0.13525	0.48	0.00065
18 19	0.0760	0.0757	0.07585	0.20	0.00015
21 22	0.1140	0.1122	0.11310	0.80	0.00090
23 24	0.1524	0.1512	0.15180	0.40	0.00060
25 26	0.2597	0.2596	0.25965	0.02	0.00005
27 28	0.2684	0.2661	0.26725	0.43	0.00115
29 30	0.1772	0.1772	0.17720	0.00	0.00000
32 33	0.2388	0.2403	0.23955	0.31	0.00075
34 35	0.2079	0.2114	0.20965	0.83	0.00175
36 37	0.1653	0.1662	0.16575	0.27	0.00045
38 39	0.1983	0.2062	0.20225	1.95	0.00395
40 41	0.1894	0.1870	0.18820	0.64	0.00120

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

# Scottsdale Forensic Lab

## Blood Alcohol Pipetting Log

ANALYST: Canonico

SEQUENCE: 16Aug22 *ee*

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	36801RB	36801RB	36801RB	Yes
Vials 12 and 13	1405638	1405638	1405638	Yes
Vials 14 and 15	1431306	1431306	1431306	Yes
Vials 16 and 17	1432508	1432508	1432508	Yes
Vials 18 and 19	1432576	1432576	1432576	Yes
Vials 21 and 22	1432400	1432400	1432400	Yes
Vials 23 and 24	1432904	1432904	1432904	Yes
Vials 25 and 26	1431874	1431874	1431874	Yes
Vials 27 and 28	1432996	1432996	1432996	Yes
Vials 29 and 30	1433300	1433300	1433300	Yes
Vials 32 and 33	1432551	1432551	1432551	Yes
Vials 34 and 35	1404613	1404613	1404613	Yes
Vials 36 and 37	1433774	1433774	1433774	Yes
Vials 38 and 39	1433410	1433410	1433410	Yes
Vials 40 and 41	1433853	1433853	1433853	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36801RB	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 12:47:06 PM
Data file:	C:\Chem32\1\Data\16Aug22\10.D	Analyst:	Canonico

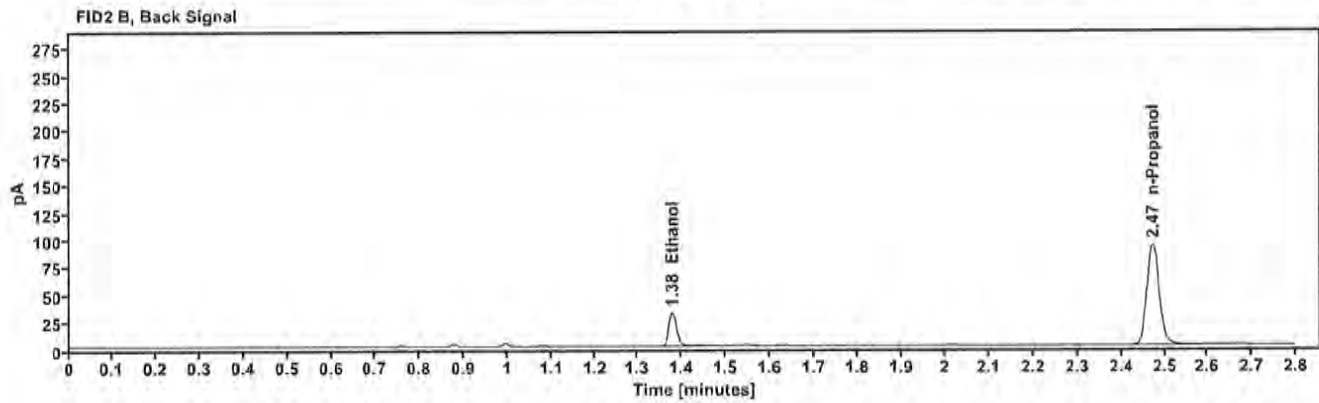
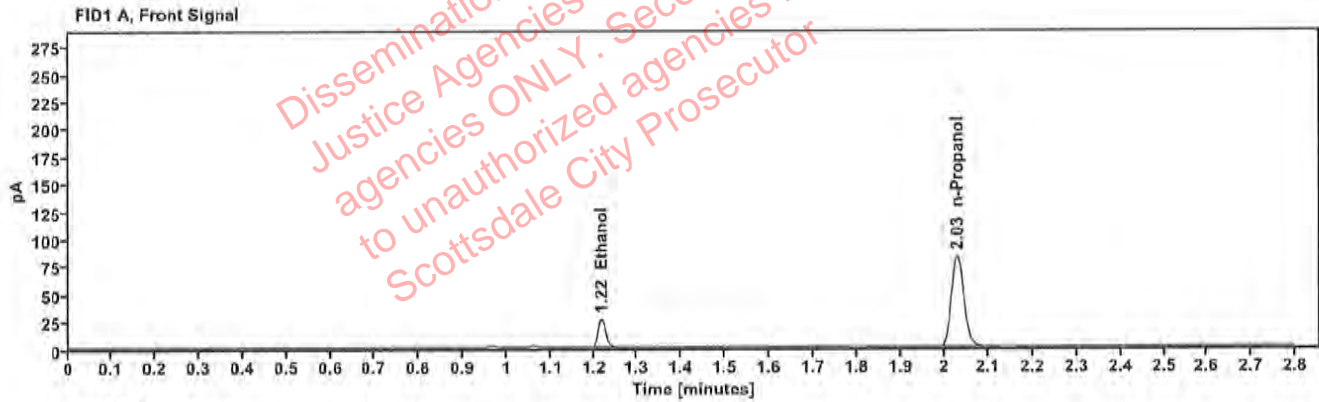


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0546	1.218	33.337
n-Propanol	---	2.028	164.577

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

Compound	Time (min)	Peak Area
Ethanol	1.377	37.920
n-Propanol	2.473	185.013

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	36801RB	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 12:51:07 PM
Data file:	C:\Chem32\1\Data\16Aug22\11.D	Analyst:	Canonico

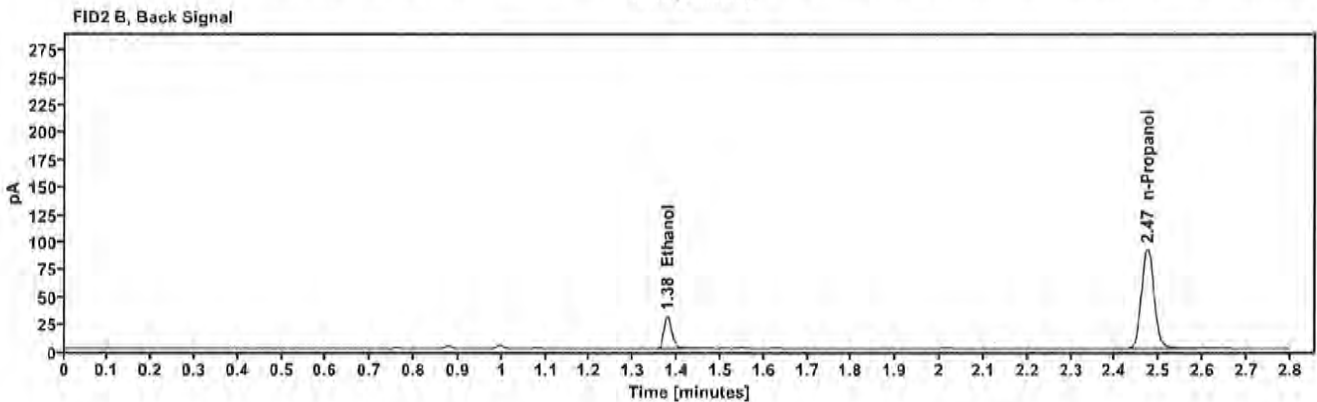
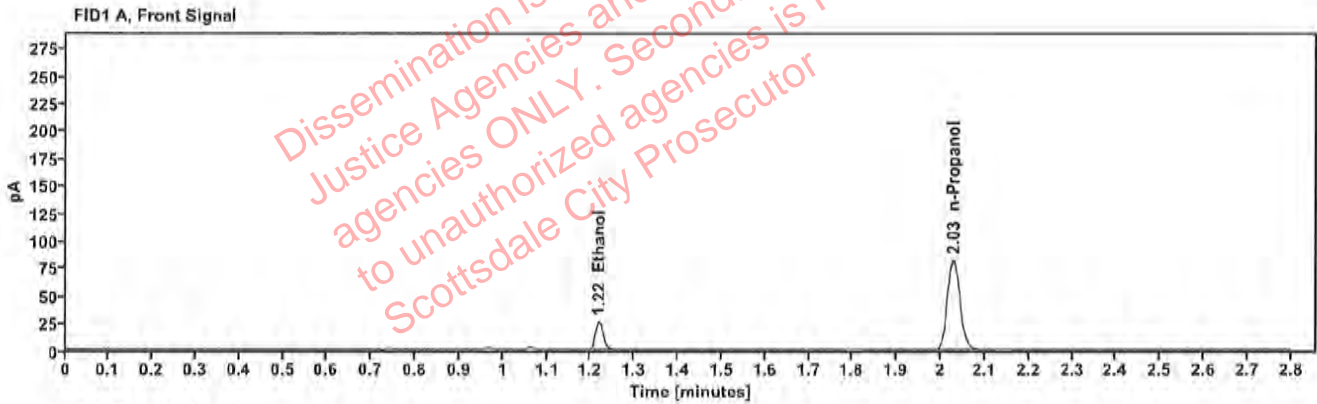


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0539	1.218	32.689
n-Propanol	---	2.028	163.281

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

Compound	Time (min)	Peak Area
Ethanol	1.378	37.271
n-Propanol	2.473	183.573

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405638	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 12:55:06 PM
Data file:	C:\Chem32\1\Data\16Aug22\12.D	Analyst:	Canonico

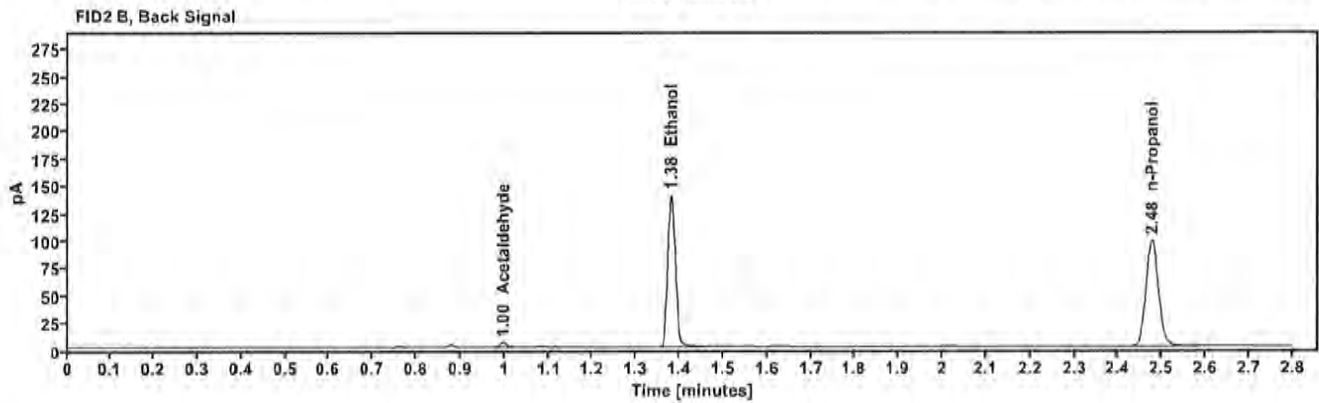
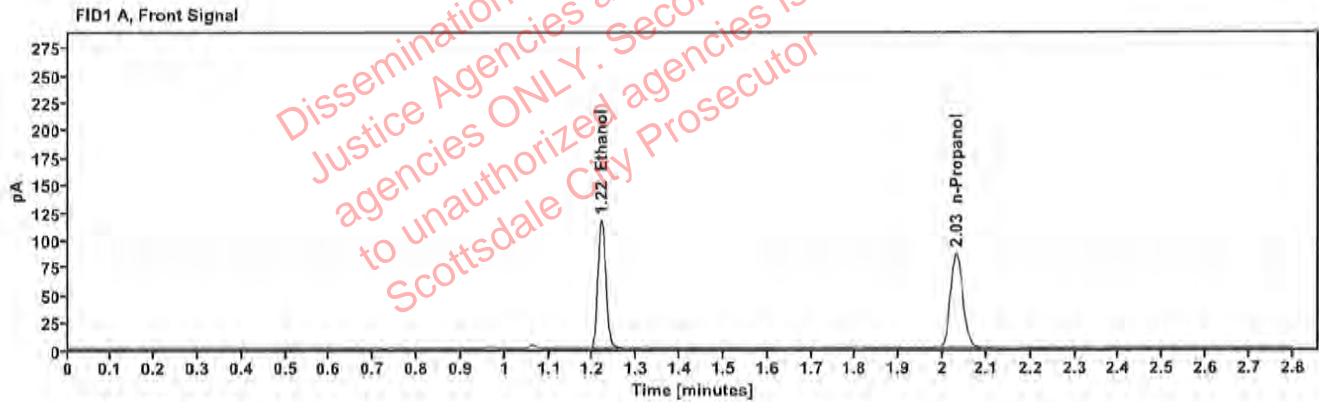


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2386	1.219	149.980
n-Propanol	-----	2.031	173.356

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.997	3.834
Ethanol	1.381	169.042
n-Propanol	2.477	194.608

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405638	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 12:59:22 PM
Data file:	C:\Chem32\1\Data\16Aug22\13.D	Analyst:	Canonico

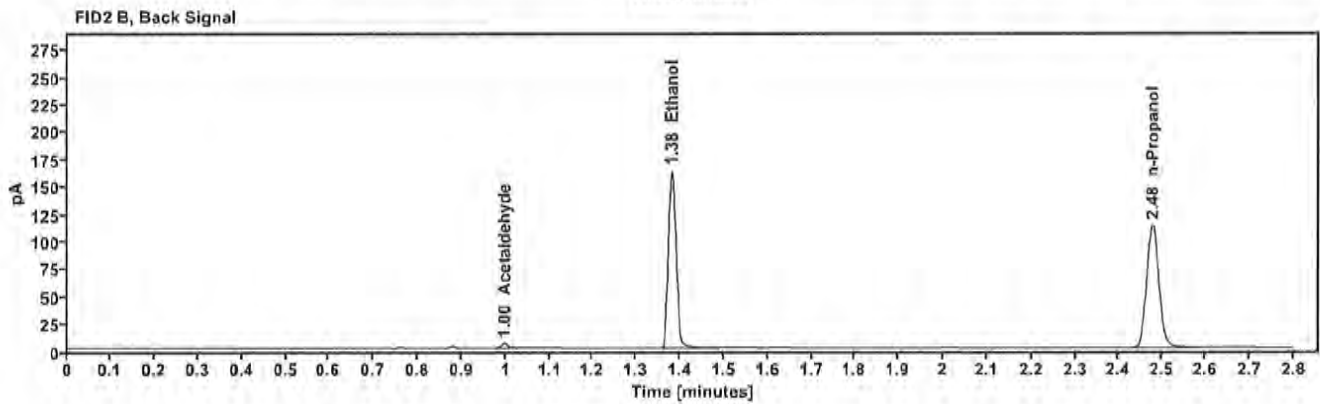
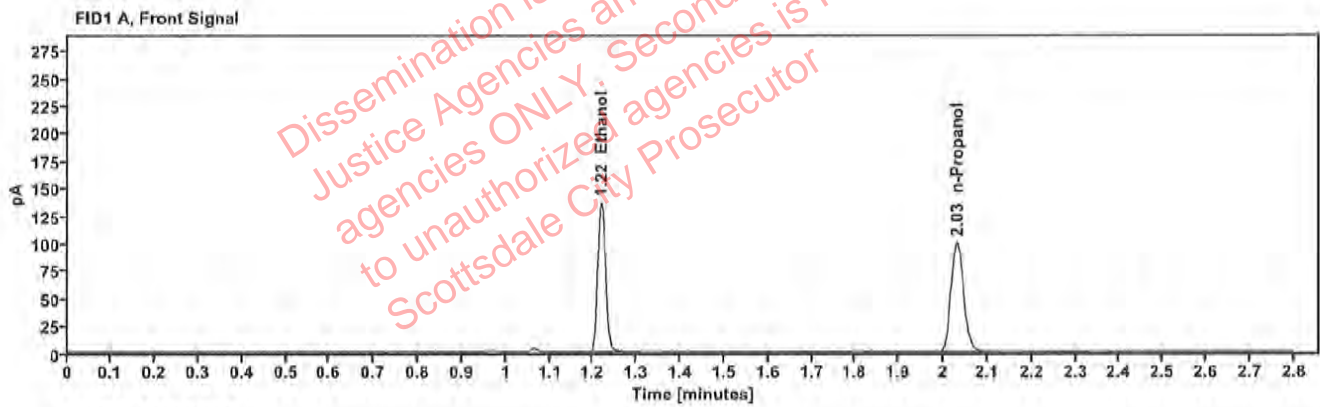


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2410	1.219	174.558
n-Propanol	-----	2.031	199.737

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.997	4.089
Ethanol	1.381	197.328
n-Propanol	2.477	224.465



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431306	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:03:21 PM
Data file:	C:\Chem32\1\Data\16Aug22\14.D	Analyst:	Canonico

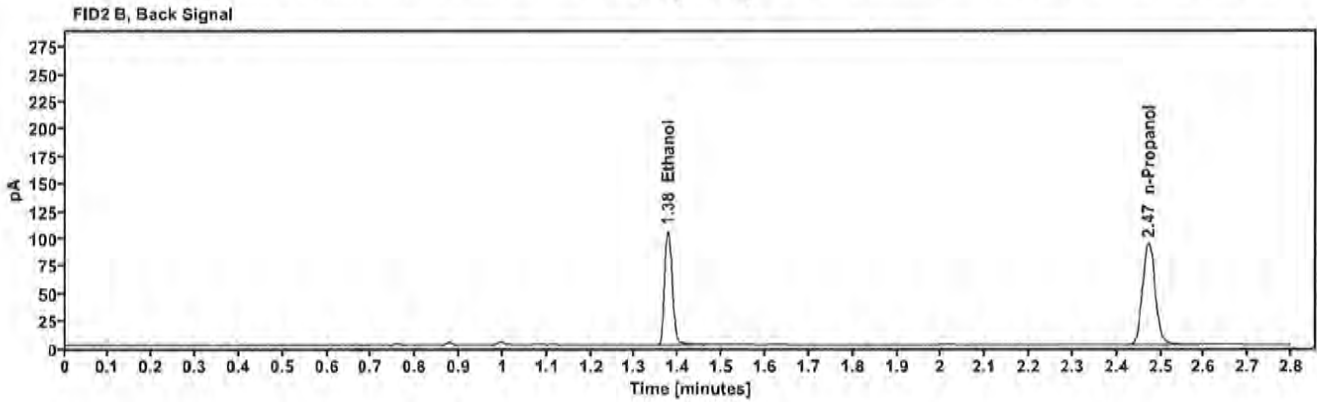
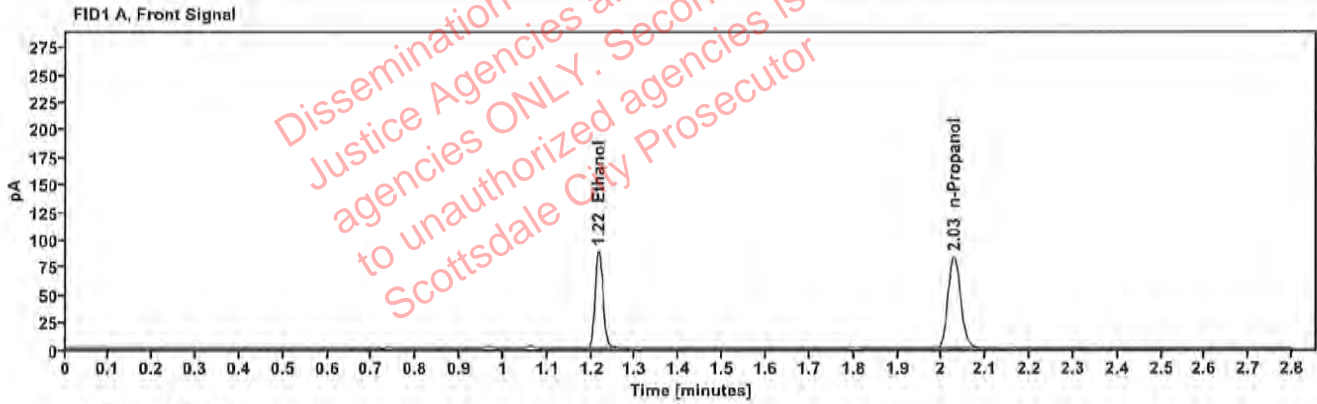


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1851	1.216	111.683
n-Propanol	—	2.028	166.092

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

Compound	Time (min)	Peak Area
Ethanol	1.376	126.131
n-Propanol	2.472	186.519

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431306	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:07:21 PM
Data file:	C:\Chem32\1\Data\16Aug22\15.D	Analyst:	Canonico

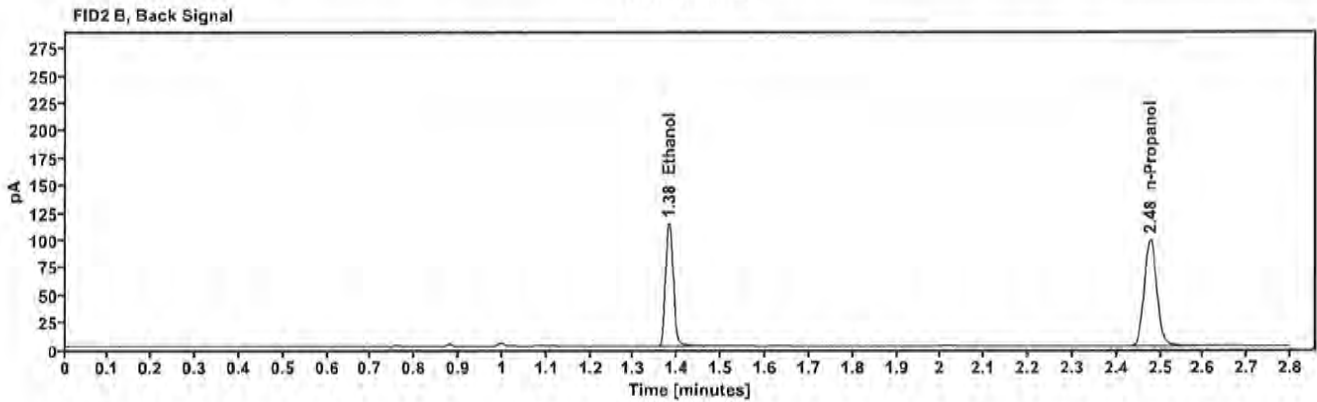
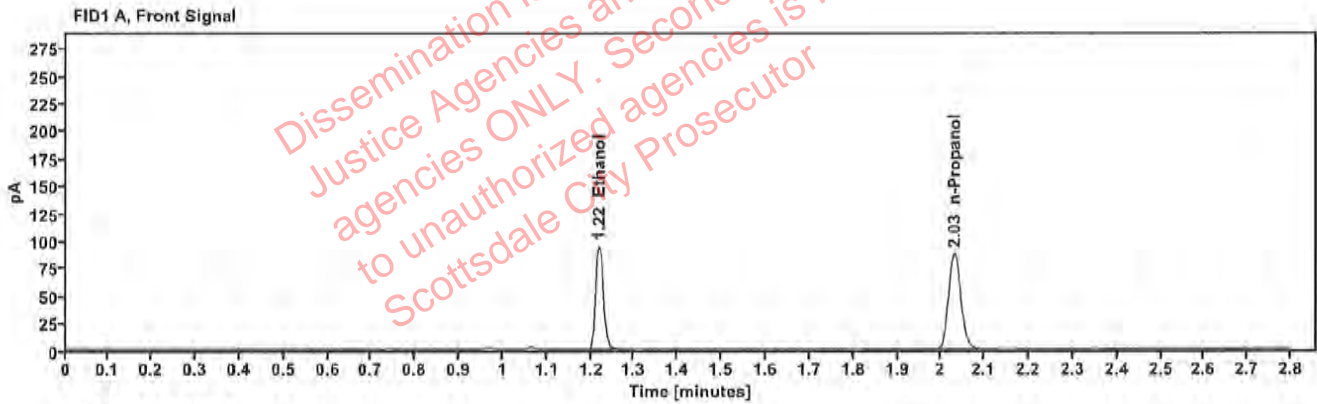


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1914	1.219	121.516
n-Propanol	—	2.031	174.779

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

Compound	Time (min)	Peak Area
Ethanol	1.381	137.169
n-Propanol	2.477	196.041

[REDACTED]: Canonico, Erika - (17-Aug-2022)

Case: [REDACTED] User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432508	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:11:22 PM
Data file:	C:\Chem32\1\Data\16Aug22\16.D	Analyst:	Canonico

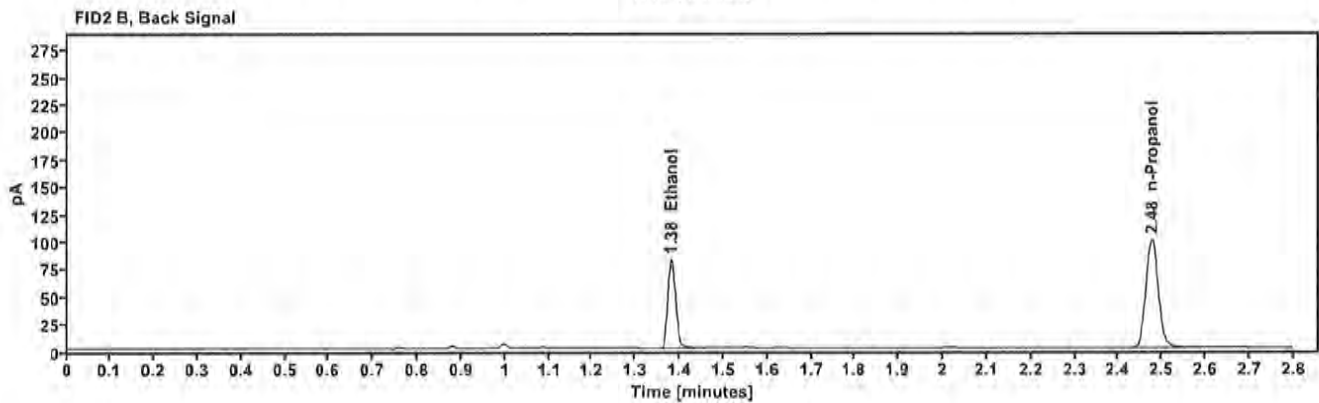
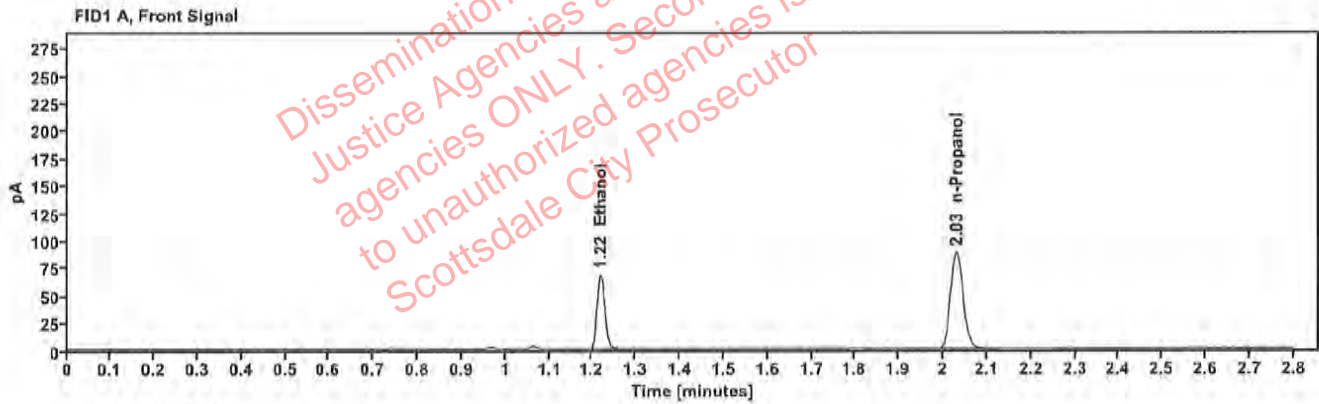


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1359	1.219	87.477
n-Propanol	---	2.030	176.545

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

Compound	Time (min)	Peak Area
Ethanol	1.380	98.459
n-Propanol	2.477	198.235

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432508	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:15:21 PM
Data file:	C:\Chem32\1\Data\16Aug22\17.D	Analyst:	Canonico

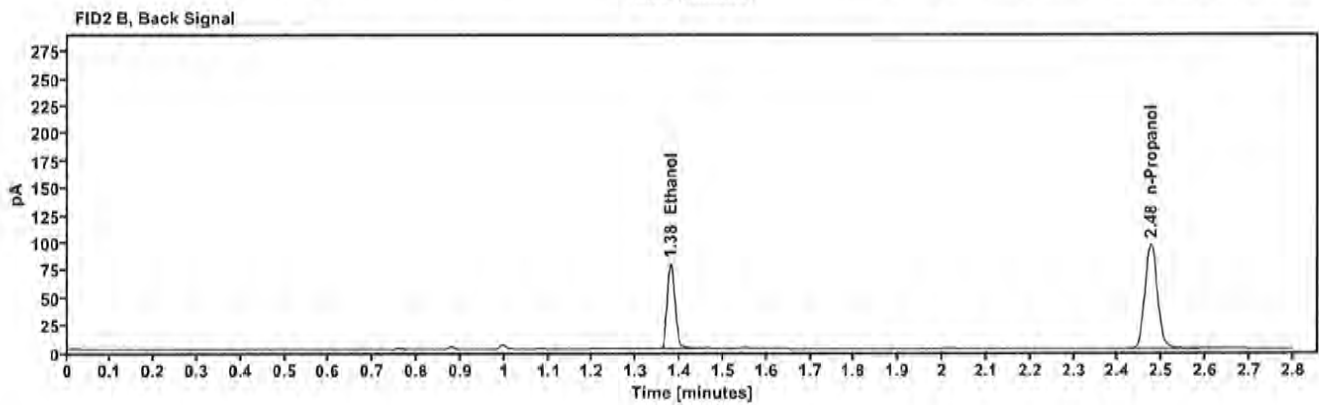
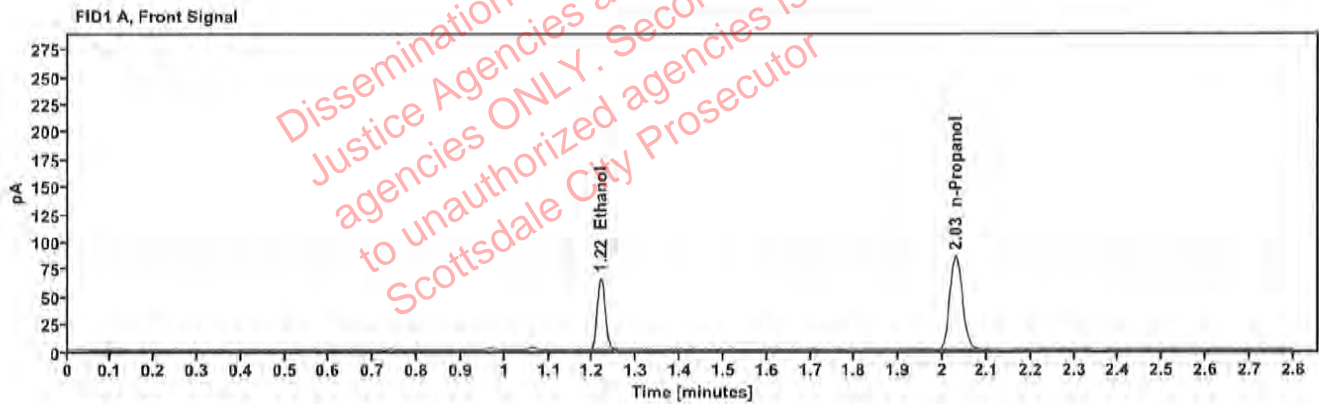


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1346	1.218	84.044
n-Propanol	-----	2.030	171.298

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

Compound	Time (min)	Peak Area
Ethanol	1.379	95.044
n-Propanol	2.475	192.196

[REDACTED] : Canonico, Erika - (17-Aug-2022)

Case: [REDACTED] User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432576	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:19:21 PM
Data file:	C:\Chem32\1\Data\16Aug22\18.D	Analyst:	Canonico

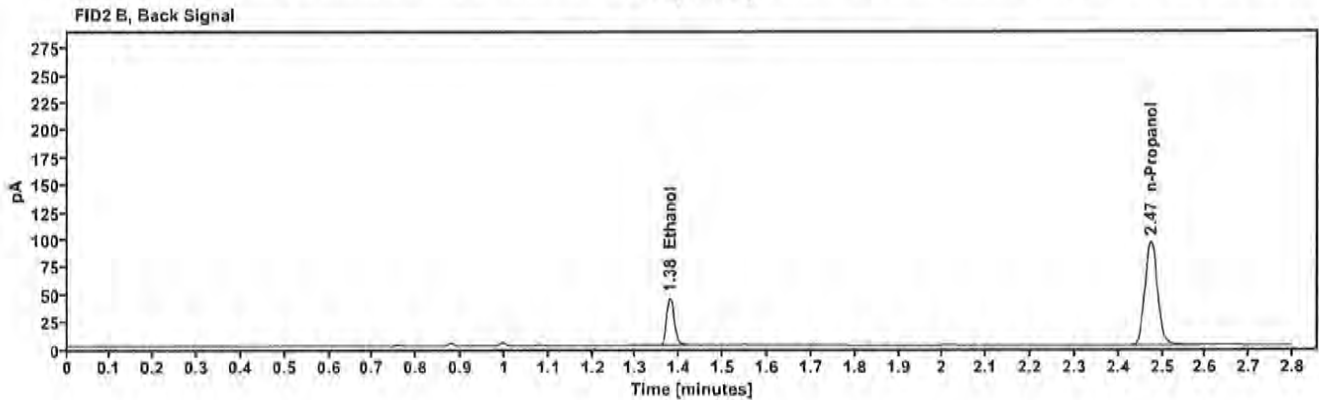
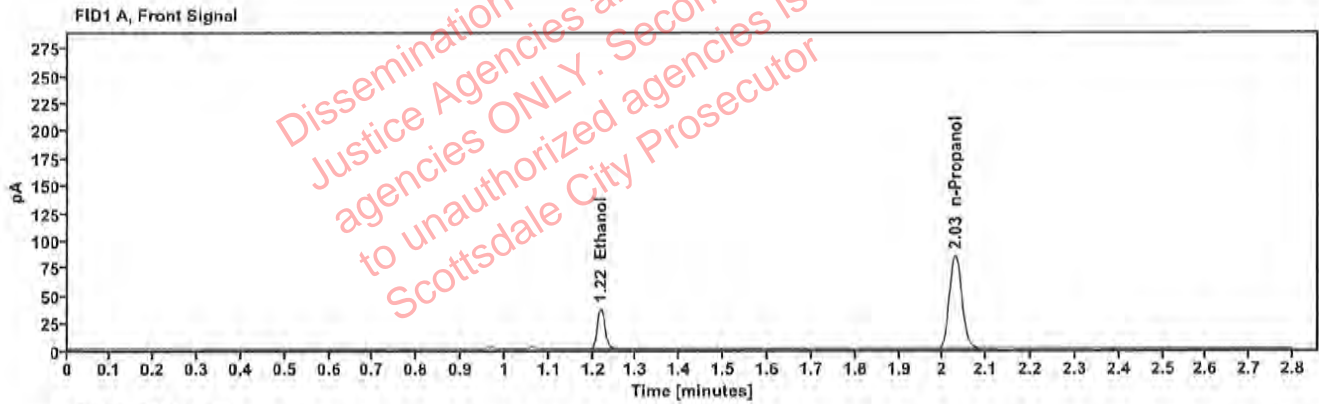


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0760	1.218	47.563
n-Propanol	-----	2.029	170.156

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

Compound	Time (min)	Peak Area
Ethanol	1.378	53.421
n-Propanol	2.474	191.164

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432576	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:23:37 PM
Data file:	C:\Chem32\1\Data\16Aug22\19.D	Analyst:	Canonico

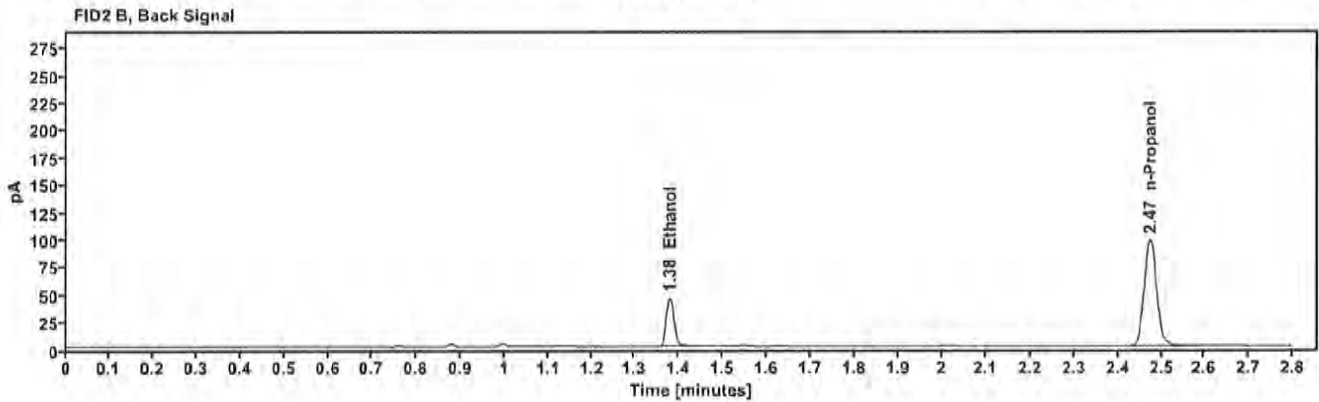
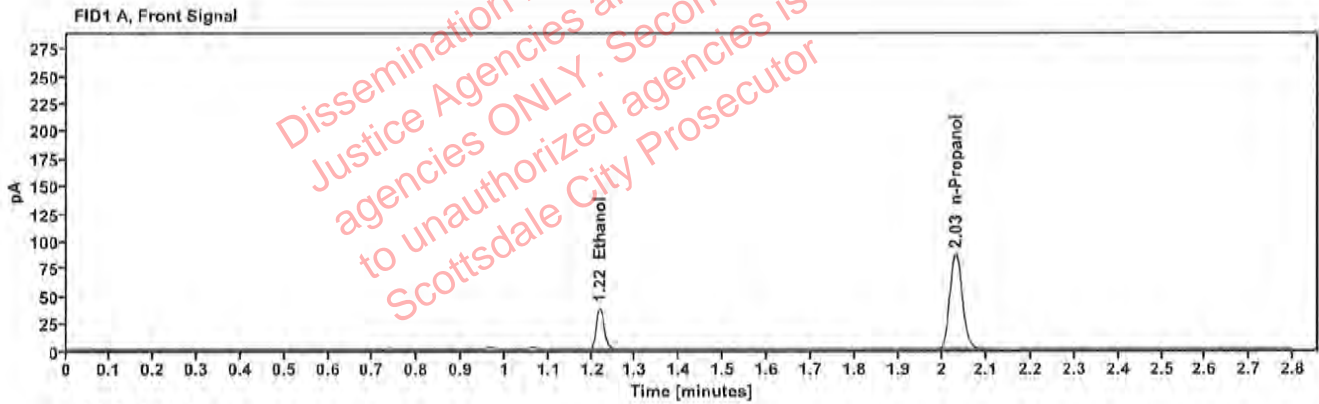


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0757	1.219	48.471
n-Propanol	-----	2.029	173.927

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

Compound	Time (min)	Peak Area
Ethanol	1.379	54.321
n-Propanol	2.474	195.284

[REDACTED]: Canonico, Erika - (17-Aug-2022)

Case: [REDACTED] User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432400	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:31:37 PM
Data file:	C:\Chem32\1\Data\16Aug22\21.D	Analyst:	Canonico

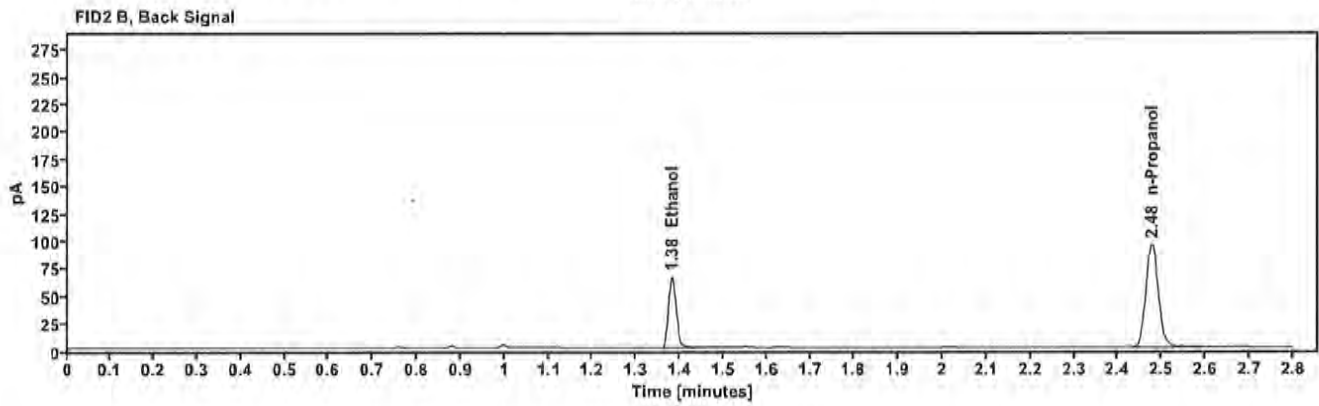
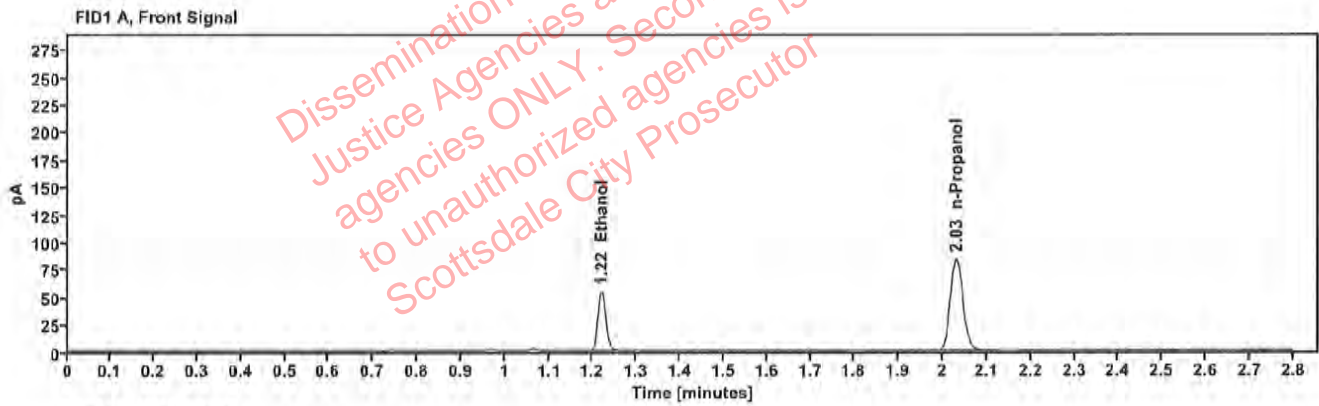


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1140	1.220	70.350
n-Propanol	---	2.031	168.928

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

Compound	Time (min)	Peak Area
Ethanol	1.381	79.117
n-Propanol	2.477	189.214

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432400	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:35:36 PM
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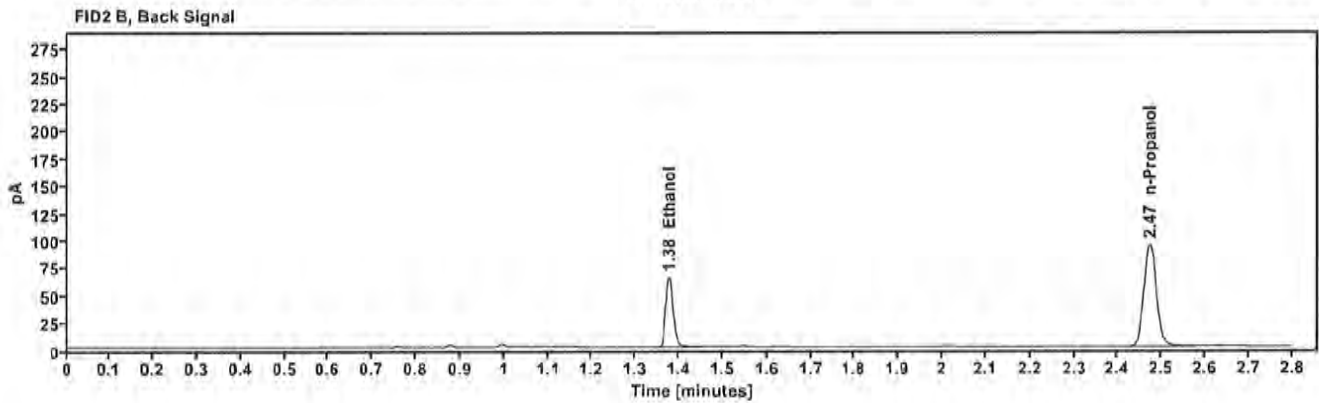
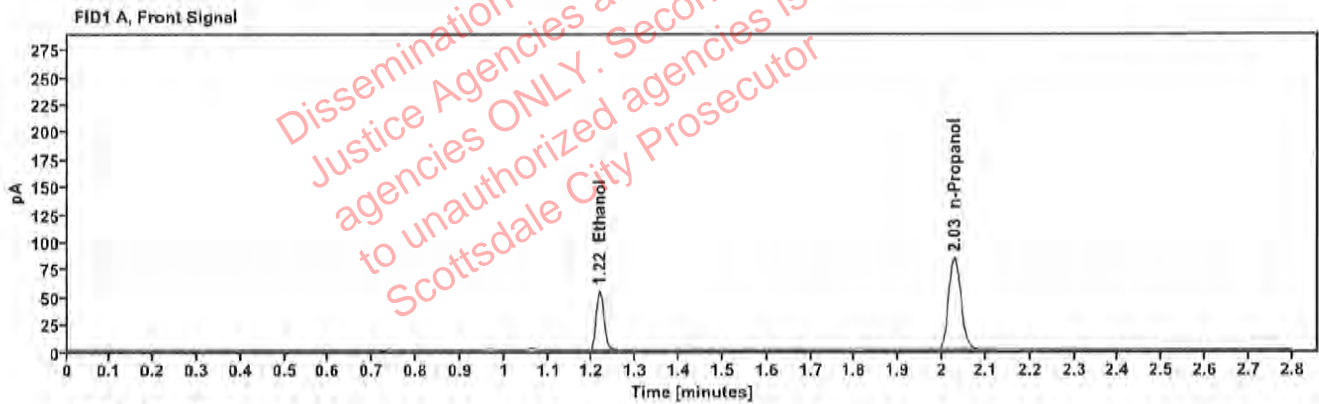


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1122	1.217	68.882
n-Propanol	---	2.028	168.058

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

Compound	Time (min)	Peak Area
Ethanol	1.377	77.454
n-Propanol	2.473	188.335



[REDACTED] : Canonico, Erika - (17-Aug-2022)

Case: [REDACTED] User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432904	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:39:36 PM
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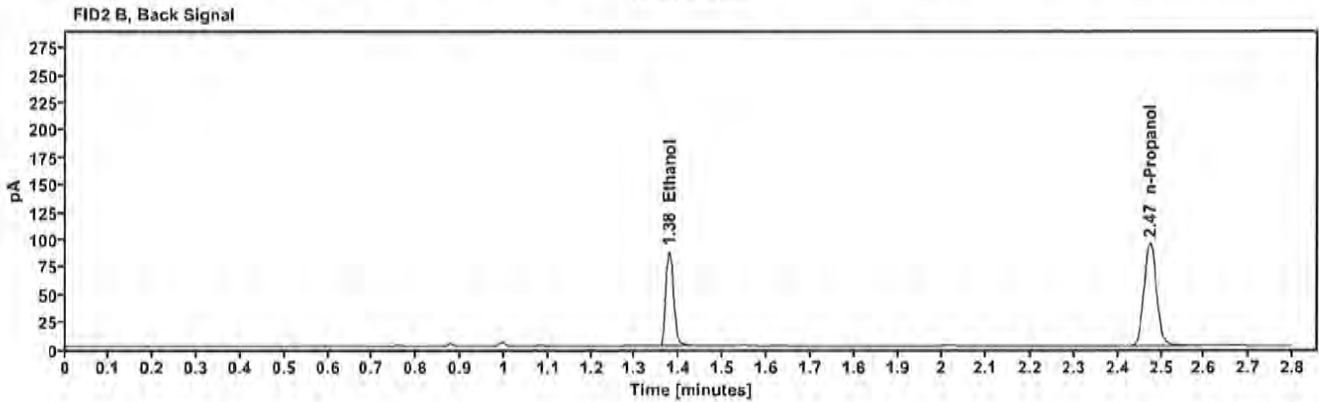
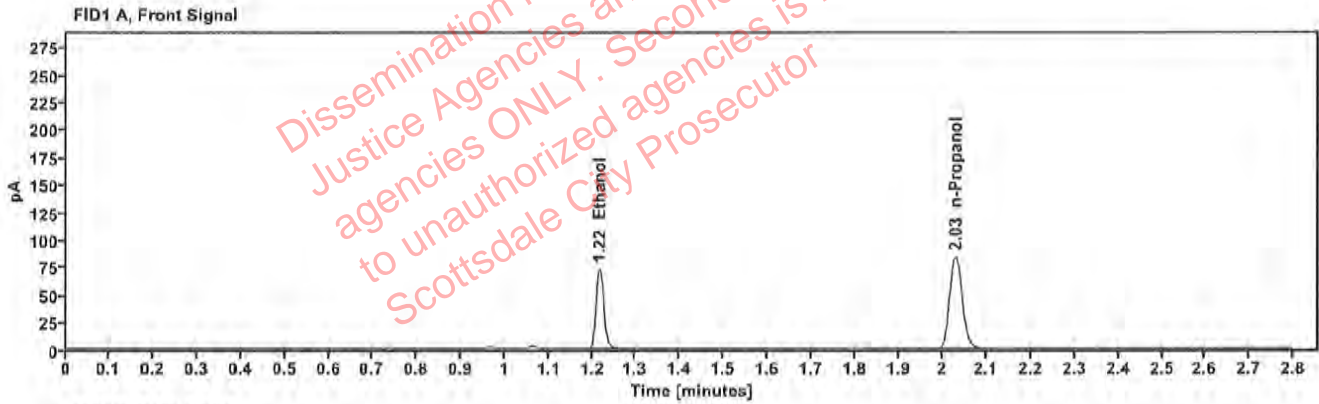


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1524	1.217	93.112
n-Propanol	---	2.029	167.844

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

Compound	Time (min)	Peak Area
Ethanol	1.377	104.850
n-Propanol	2.474	188.394

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432904	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:43:36 PM
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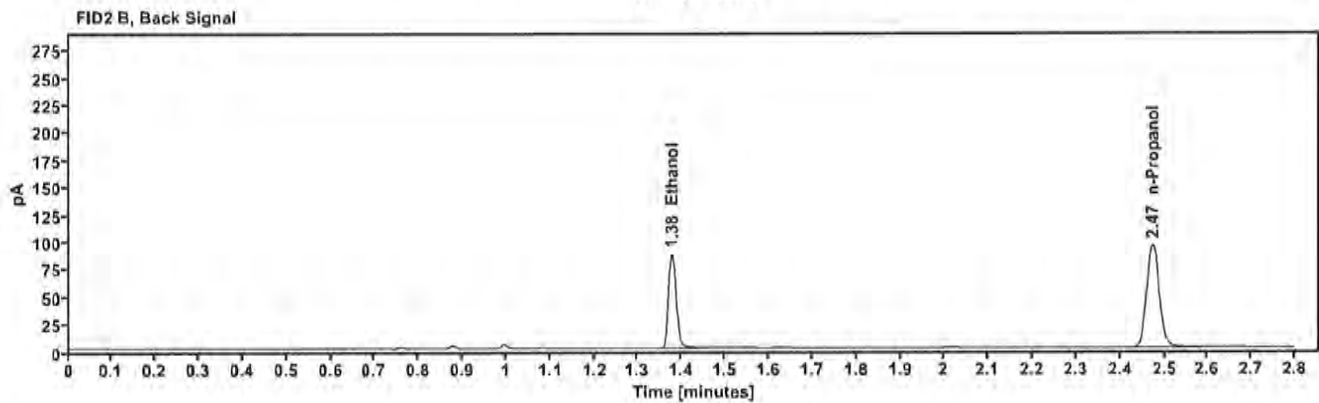
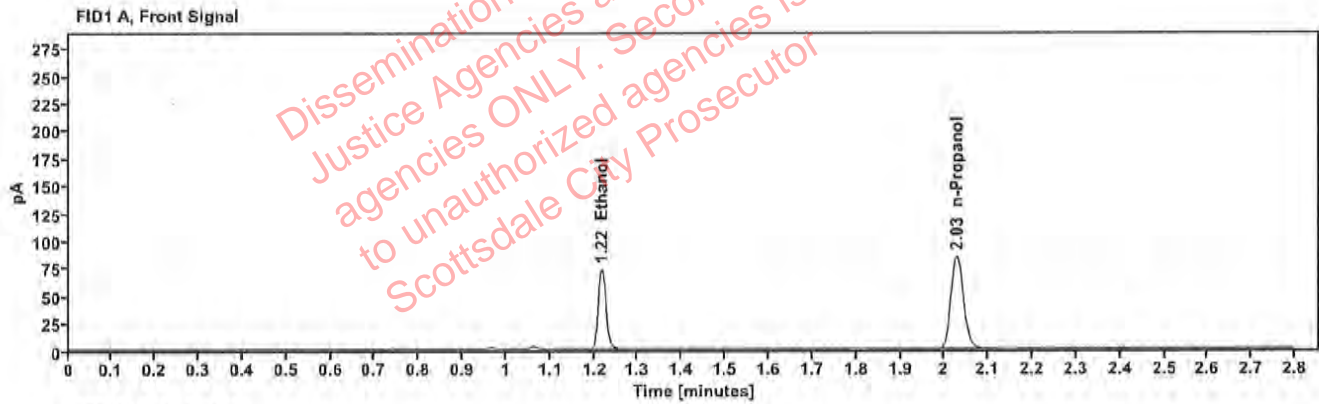


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1512	1.217	92.972
n-Propanol	—	2.029	168.906

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

Compound	Time (min)	Peak Area
Ethanol	1.377	104.647
n-Propanol	2.474	189.611

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431874	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:47:51 PM
Data file:	C:\Chem32\1\Data\16Aug22\25.D	Analyst:	Canonico

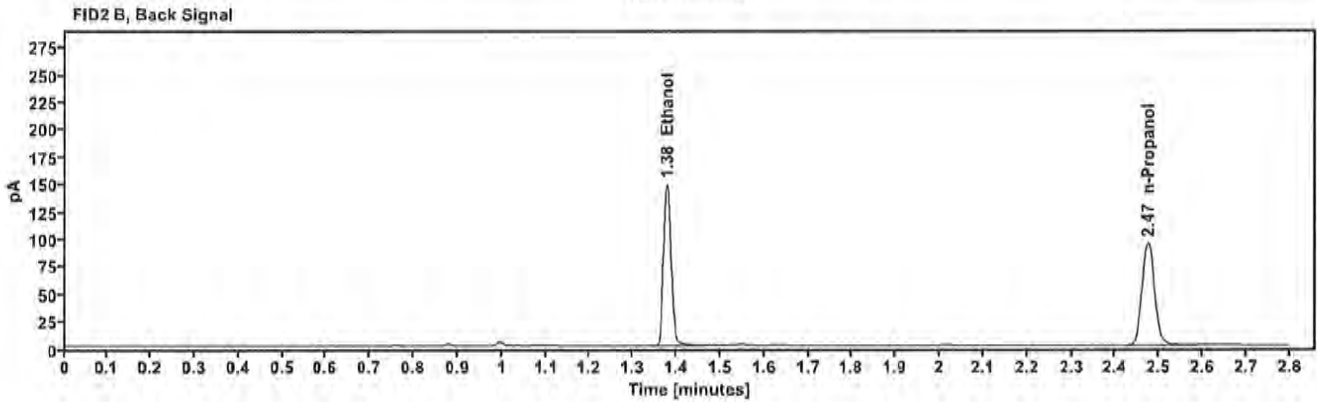
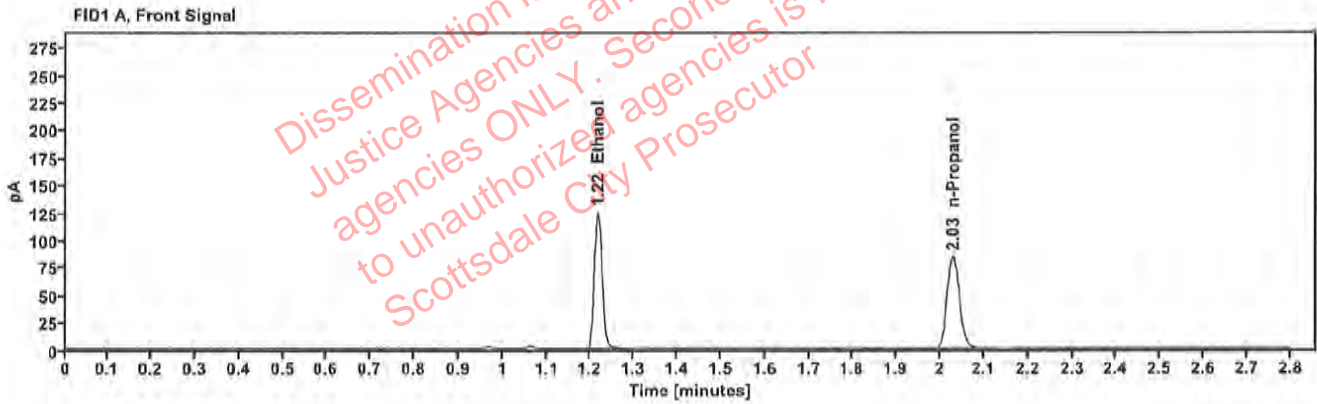


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2597	1.217	158.444
n-Propanol	-----	2.029	168.359

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

Compound	Time (min)	Peak Area
Ethanol	1.377	178.927
n-Propanol	2.474	188.728

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431874	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:51:51 PM
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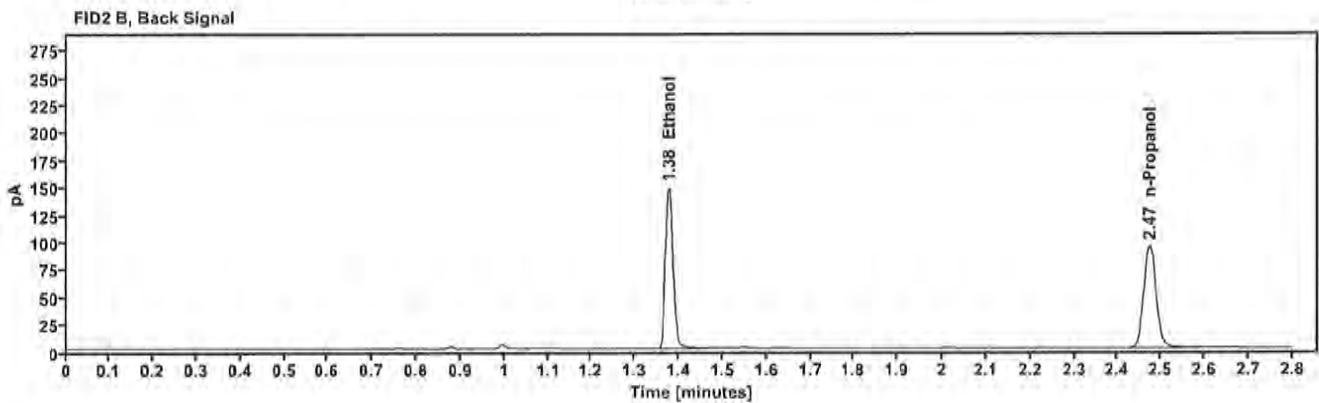
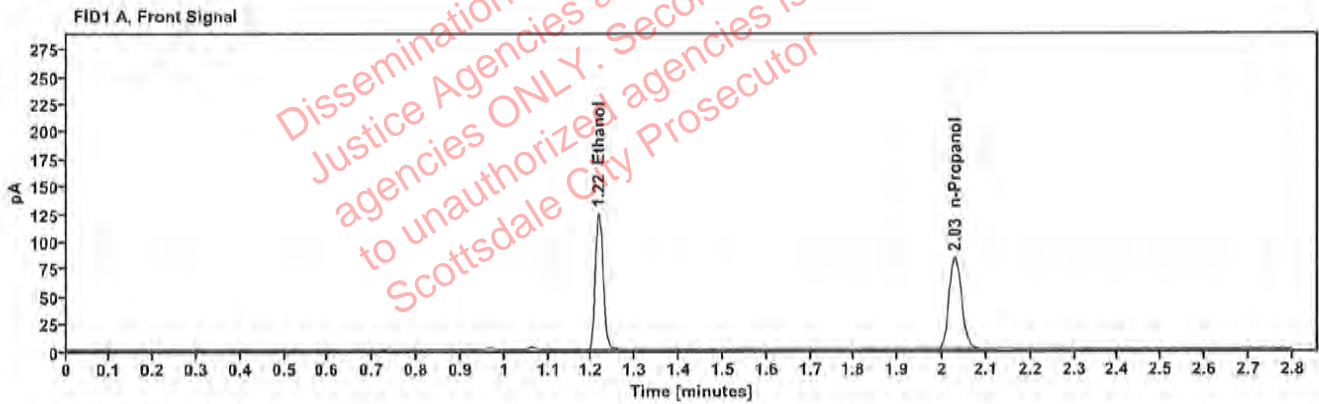


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2596	1.217	157.729
n-Propanol	-----	2.029	167.645

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

Compound	Time (min)	Peak Area
Ethanol	1.377	177.891
n-Propanol	2.473	188.006

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432996	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:55:52 PM
Data file:	C:\Chem32\1\Data\16Aug22\27.D	Analyst:	Canonico

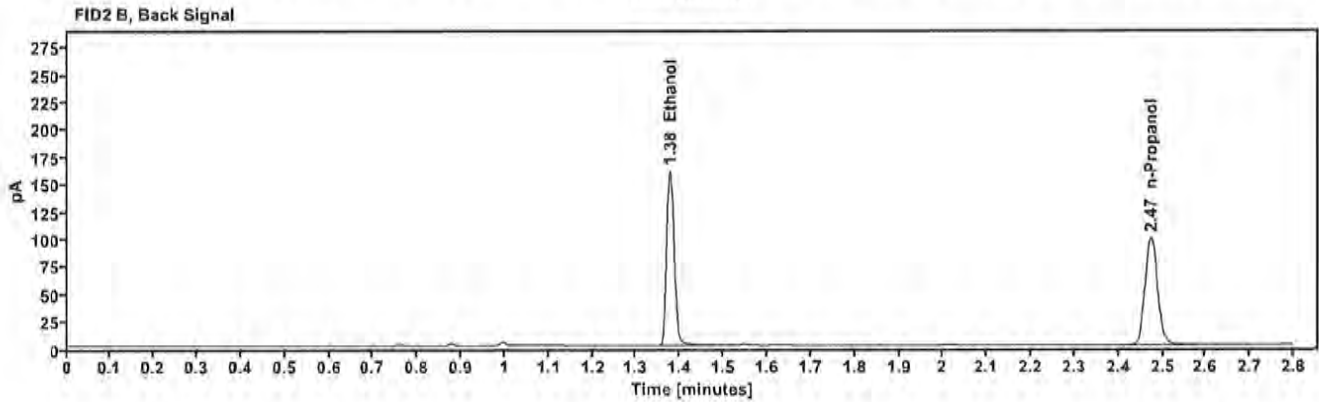
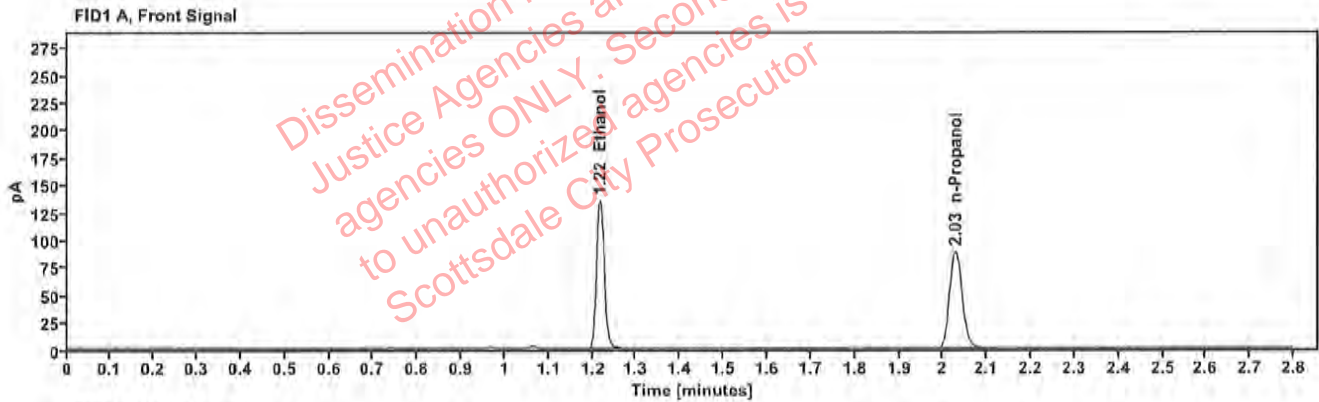


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2684	1.217	171.079
n-Propanol	---	2.028	175.922

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

Compound	Time (min)	Peak Area
Ethanol	1.377	193.430
n-Propanol	2.473	197.342

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432996	Vial:	28
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 1:59:51 PM
Data file:	C:\Chem32\1\Data\16Aug22\28.D	Analyst:	Canonico

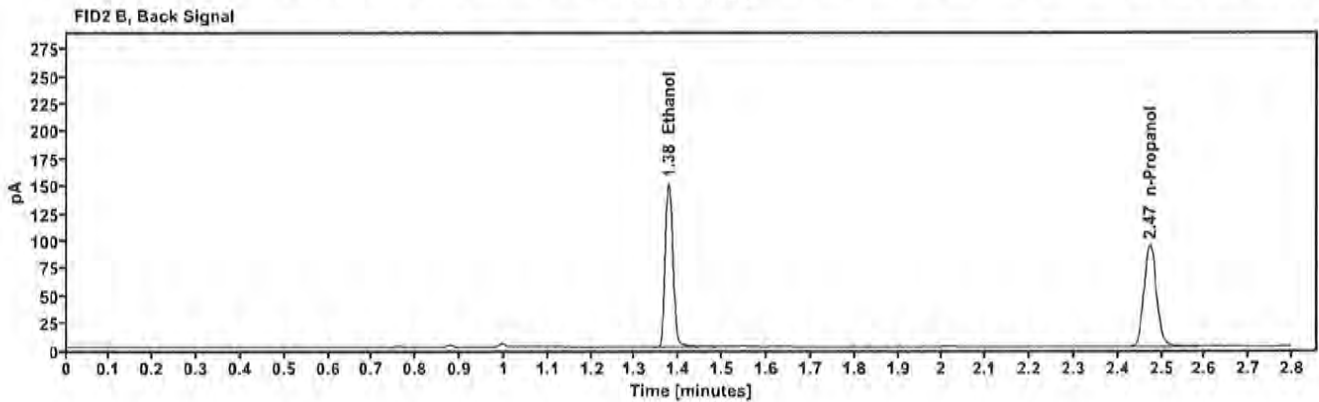
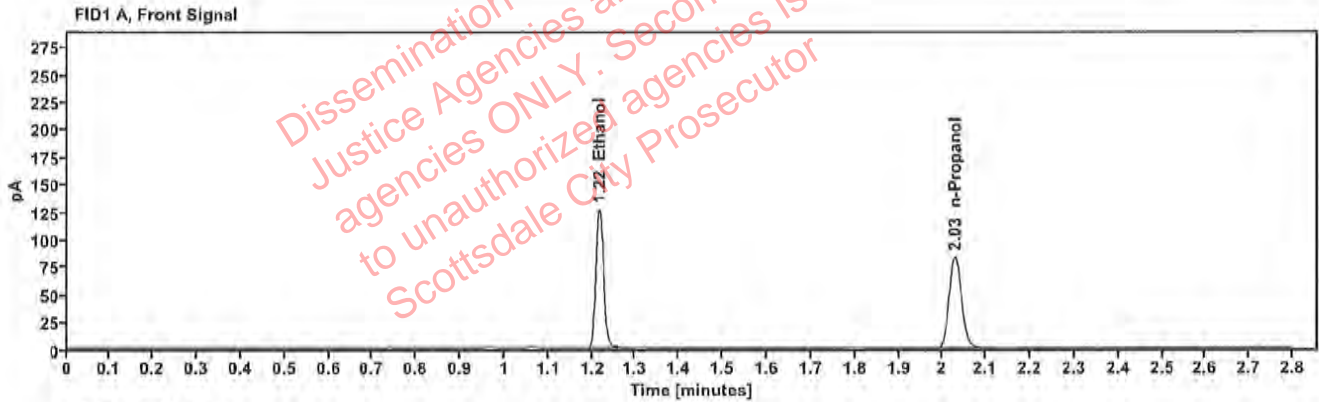


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2661	1.217	160.431
n-Propanol	-----	2.029	166.408

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

Compound	Time (min)	Peak Area
Ethanol	1.377	181.695
n-Propanol	2.473	186.767

[REDACTED]: Canonico, Erika - (17-Aug-2022)

Case: [REDACTED] User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433300	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:03:52 PM
Data file:	C:\Chem32\1\Data\16Aug22\29.D	Analyst:	Canonico

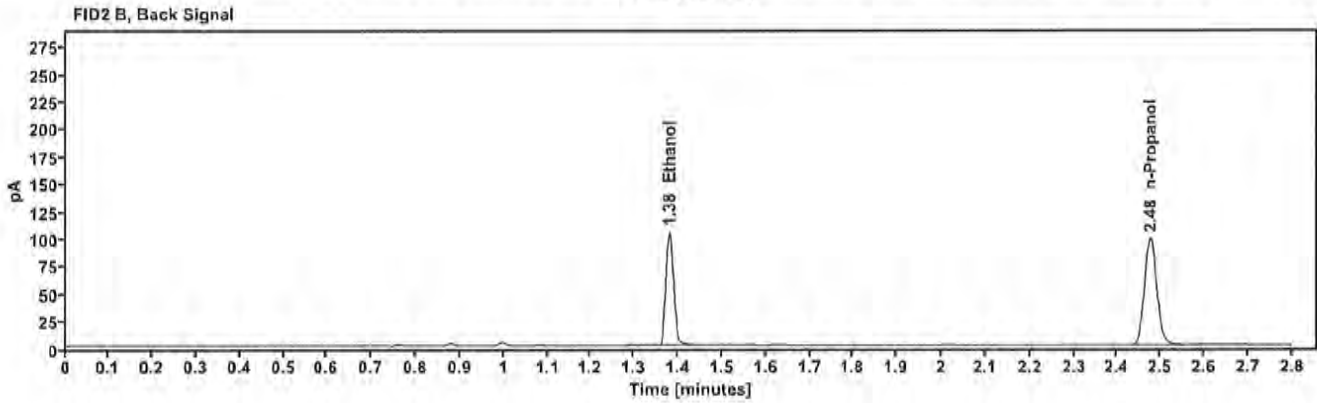
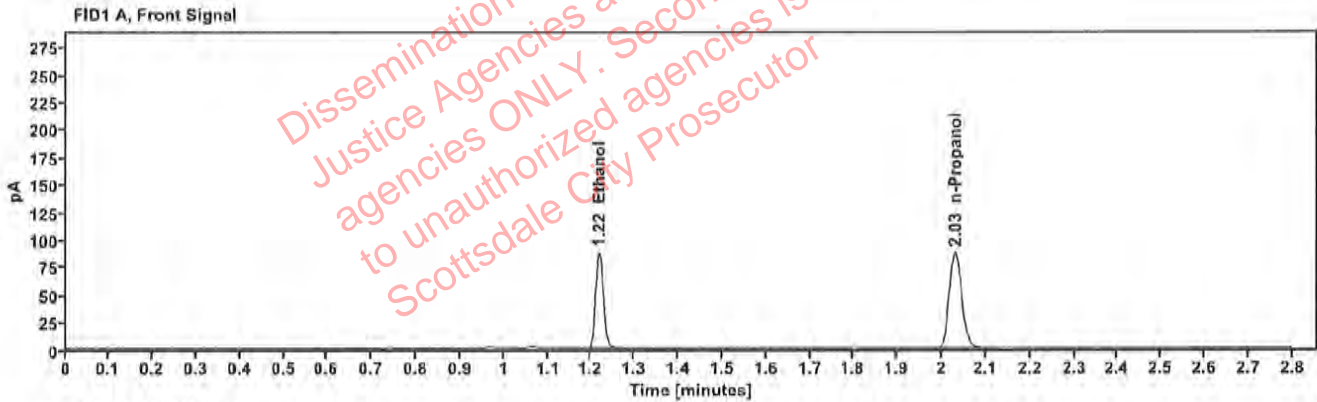


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1772	1.219	112.553
n-Propanol	---	2.030	174.762

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

Compound	Time (min)	Peak Area
Ethanol	1.380	126.692
n-Propanol	2.476	196.033

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433300	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:07:51 PM
Data file:	C:\Chem32\1\Data\16Aug22\30.D	Analyst:	Canonico

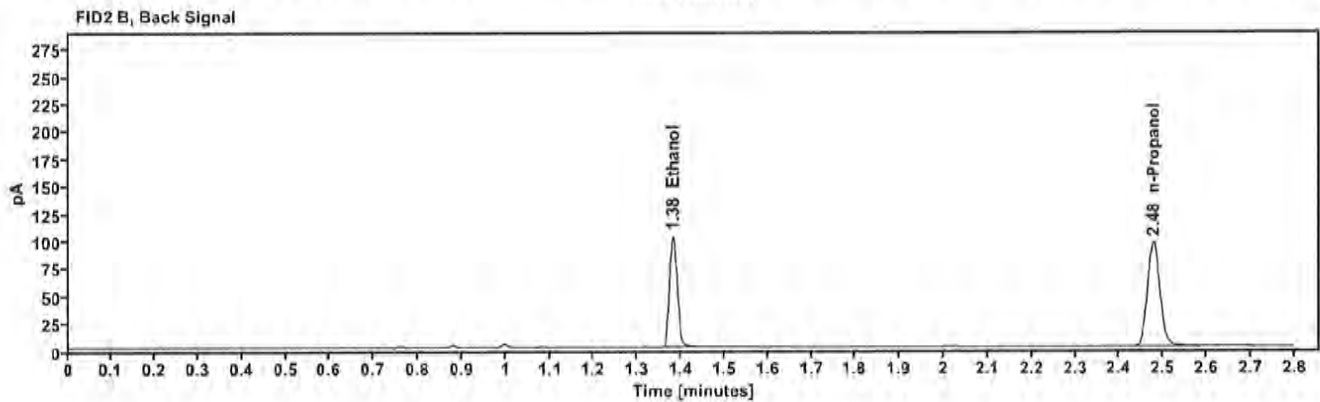
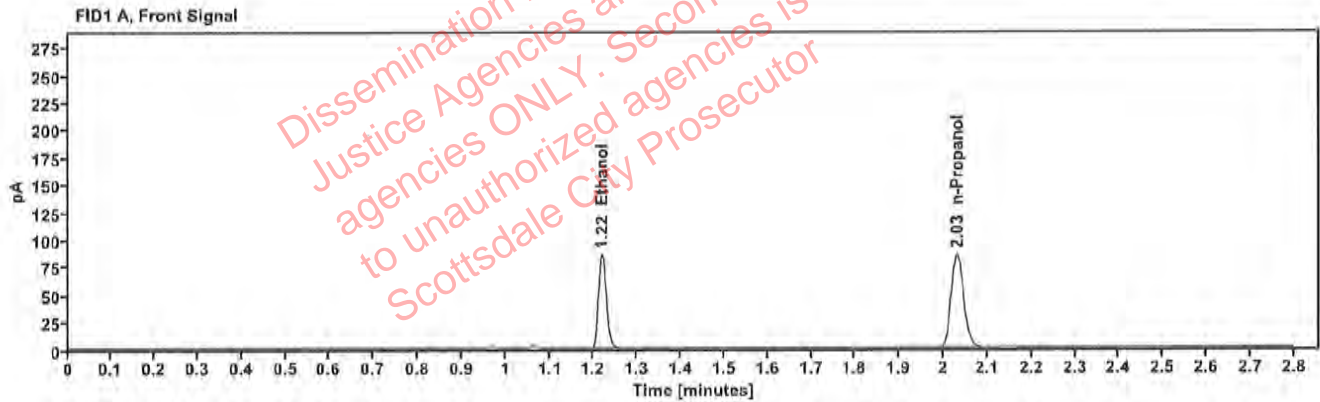


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1772	1.219	109.932
n-Propanol	—	2.031	170.729

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

Compound	Time (min)	Peak Area
Ethanol	1.381	124.111
n-Propanol	2.477	191.413



[REDACTED] : Canonico, Erika - (17-Aug-2022)

Case: [REDACTED] User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432551	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:16:07 PM
Data file:	C:\Chem32\1\Data\16Aug22\32.D	Analyst:	Canonico

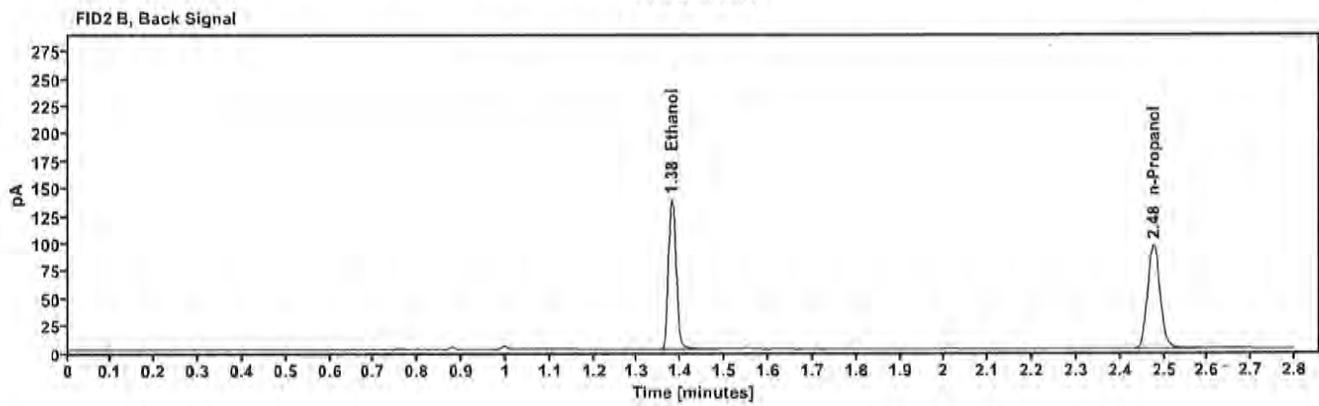
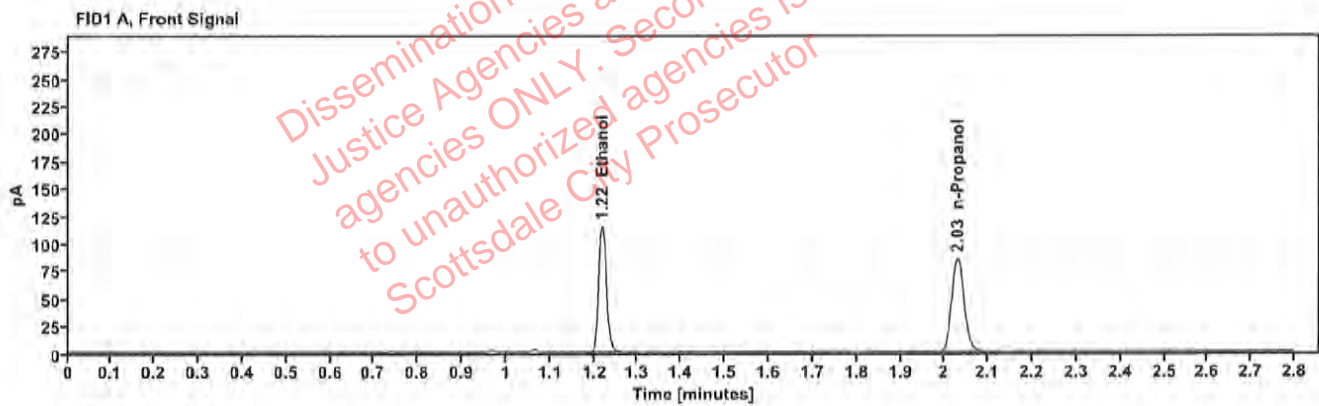


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2388	1.218	147.394
n-Propanol	-----	2.030	170.211

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

Compound	Time (min)	Peak Area
Ethanol	1.379	166.725
n-Propanol	2.476	190.879

██████████: Canonico, Erika - (17-Aug-2022)

Case: ██████████ User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432551	Vial:	33
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:20:07 PM
Data file:	C:\Chem32\1\Data\16Aug22\33.D	Analyst:	Canonico

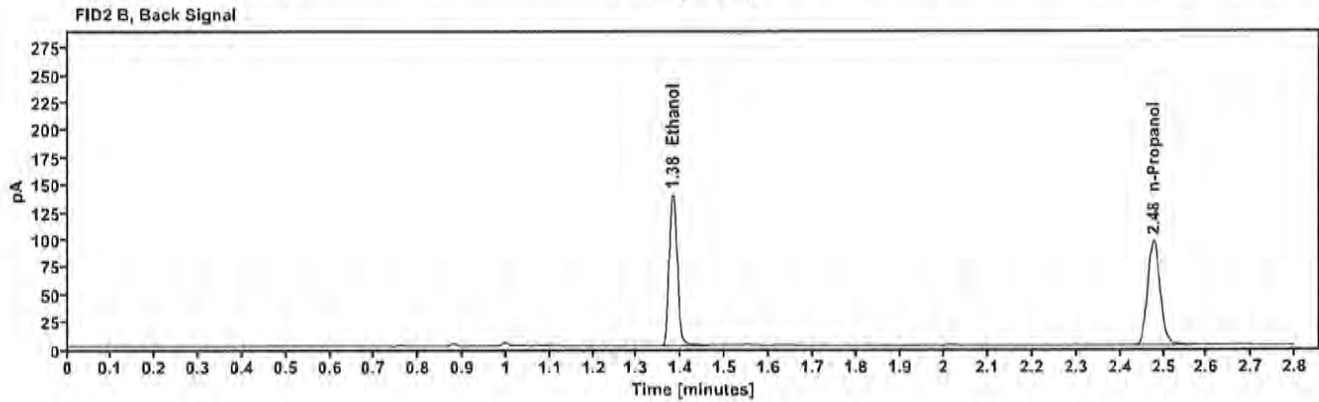
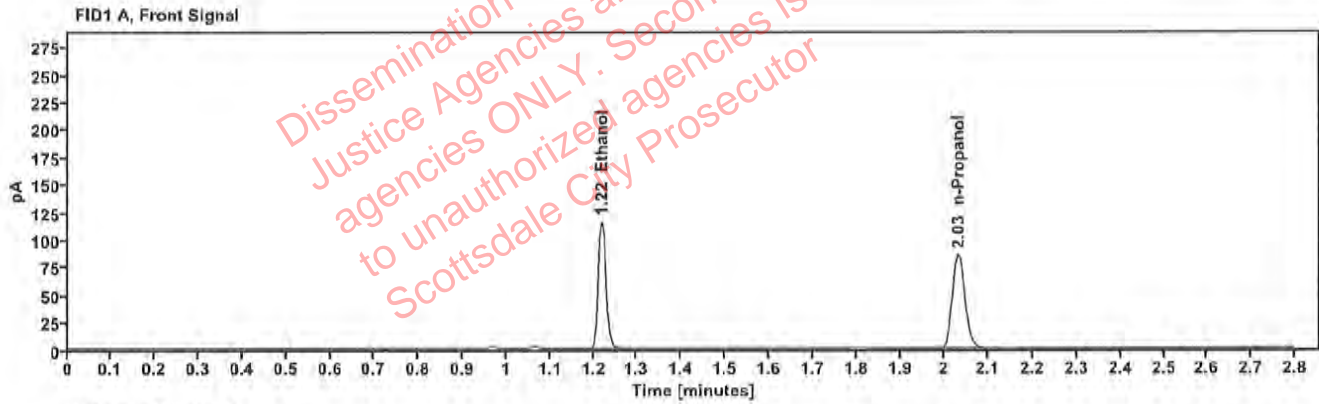


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2403	1.219	149.042
n-Propanol	-----	2.031	171.024

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

Compound	Time (min)	Peak Area
Ethanol	1.381	168.347
n-Propanol	2.477	191.749

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1404613	Vial:	34
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:24:07 PM
Data file:	C:\Chem32\1\Data\16Aug22\34.D	Analyst:	Canonico

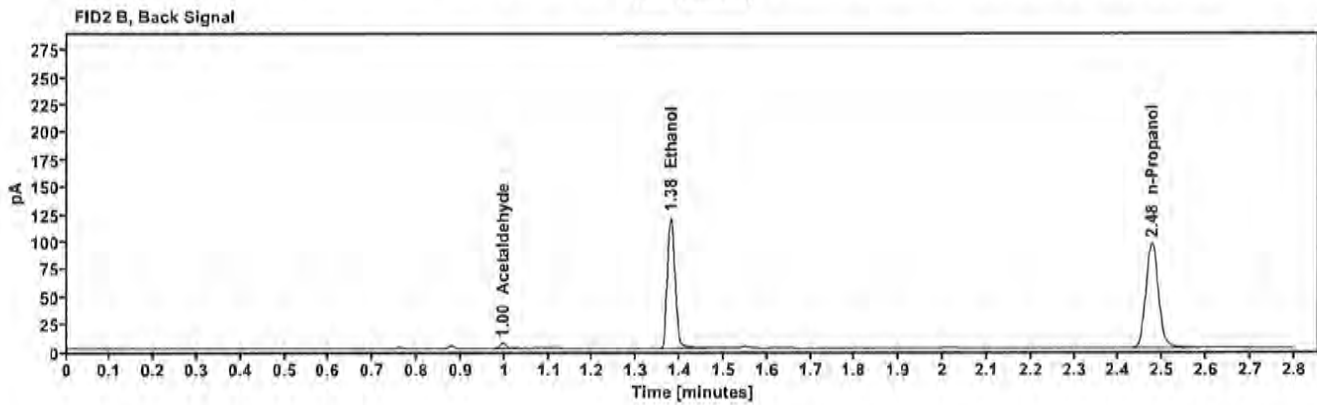
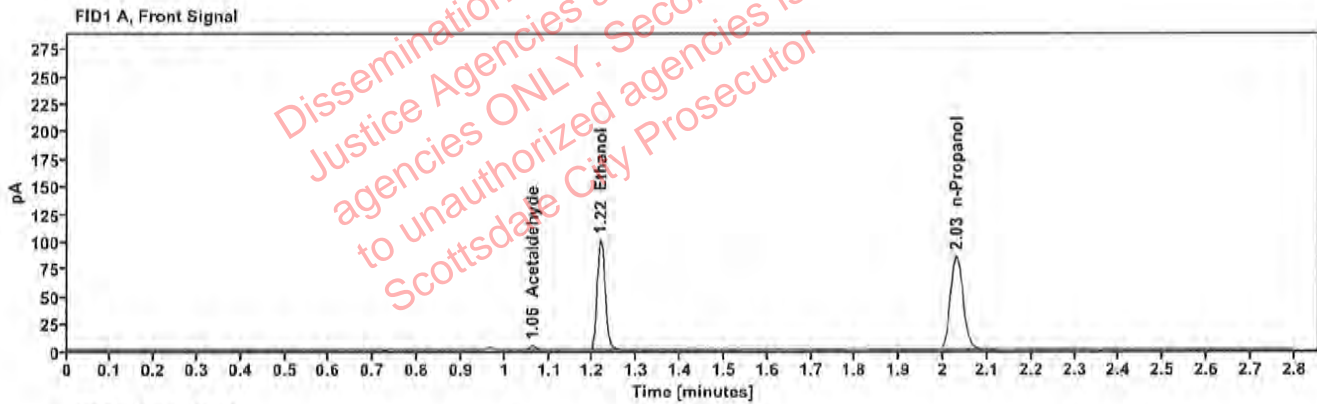


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	---	1.063	3.945
>Ethanol	0.2079	1.218	129.052
n-Propanol	---	2.030	171.042

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.996	4.623
Ethanol	1.379	145.608
n-Propanol	2.475	191.972

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1404613	Vial:	35
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:28:08 PM
Data file:	C:\Chem32\1\Data\16Aug22\35.D	Analyst:	Canonico

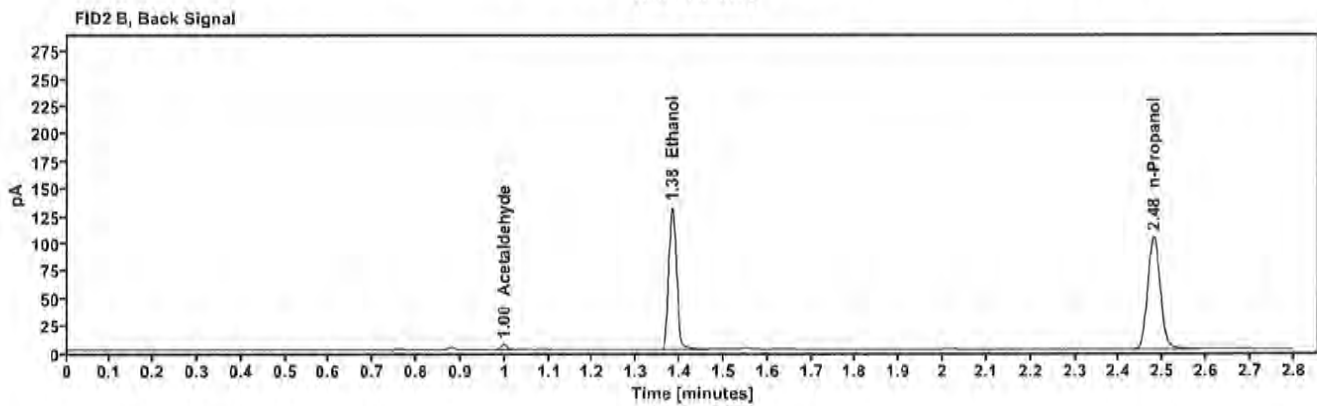
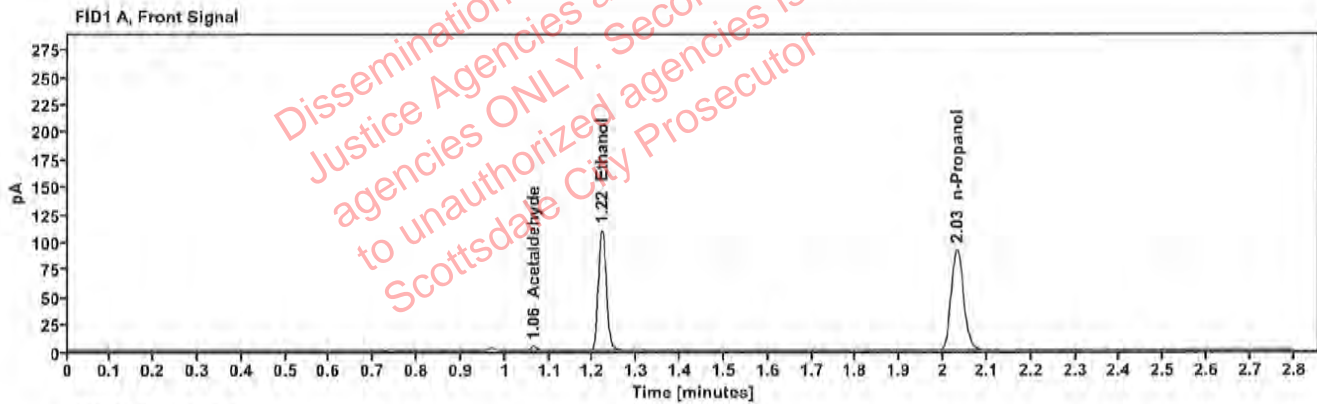


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	---	1.064	3.919
>Ethanol	0.2114	1.220	141.705
n-Propanol	---	2.032	184.701

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.998	4.521
Ethanol	1.382	160.004
n-Propanol	2.479	207.177

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1433774	Vial: 36
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 16Aug22
Instrument: US14173023 CN14160045	Injection date: 8/16/2022 2:32:07 PM
Data file: C:\Chem32\1\Data\16Aug22\36.D	Analyst: Canonico

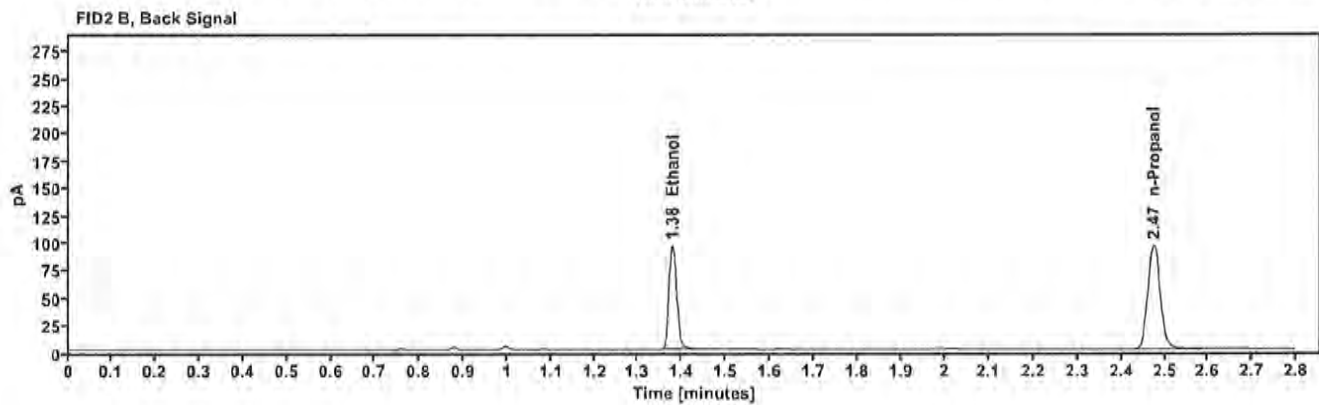
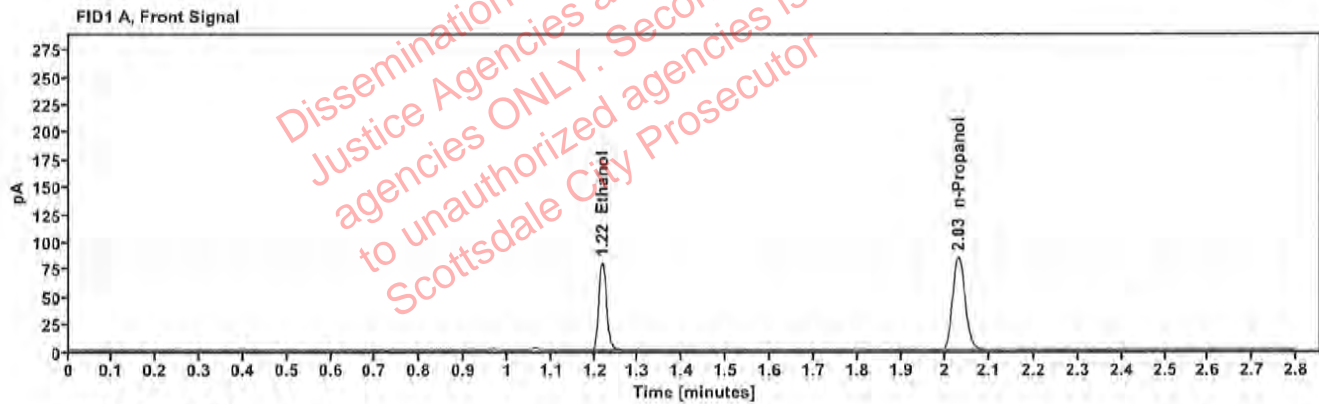


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1653	1.218	102.265
n-Propanol	---	2.029	170.046

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

Compound	Time (min)	Peak Area
Ethanol	1.378	115.101
n-Propanol	2.475	190.510

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433774	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:36:23 PM
Data file:	C:\Chem32\1\Data\16Aug22\37.D	Analyst:	Canonico

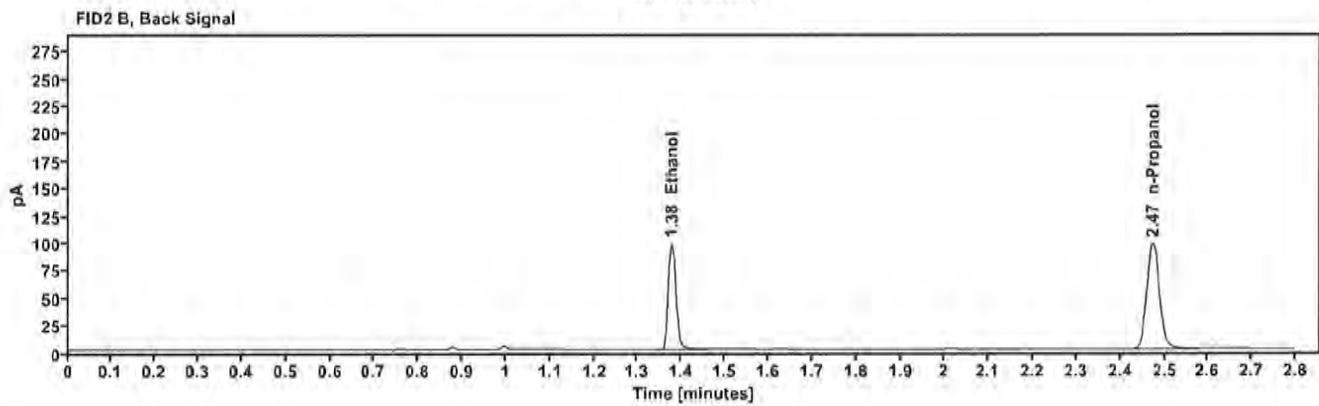
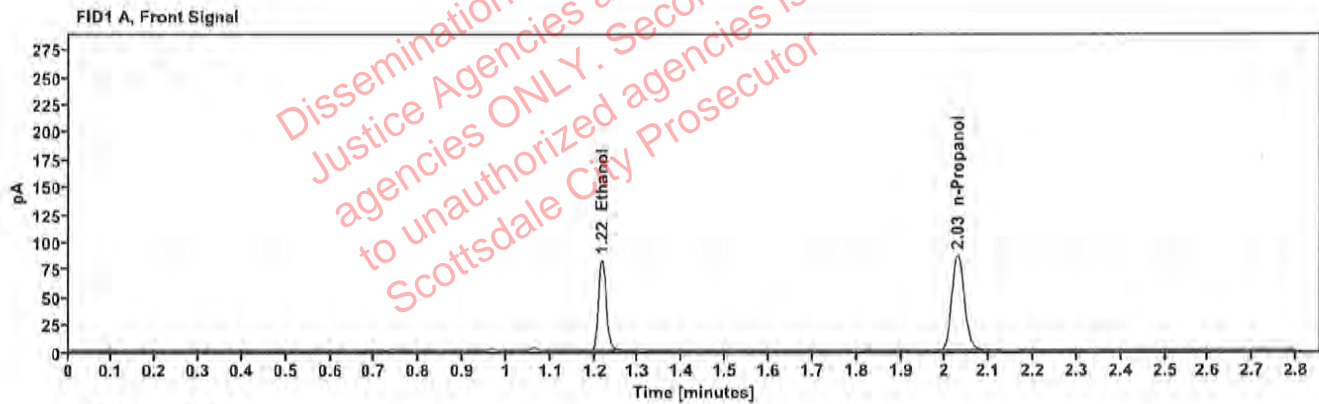


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1662	1.217	104.808
n-Propanol	—	2.029	173.376

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

Compound	Time (min)	Peak Area
Ethanol	1.377	118.084
n-Propanol	2.474	194.225

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433410	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:40:22 PM
Data file:	C:\Chem32\1\Data\16Aug22\38.D	Analyst:	Canonico

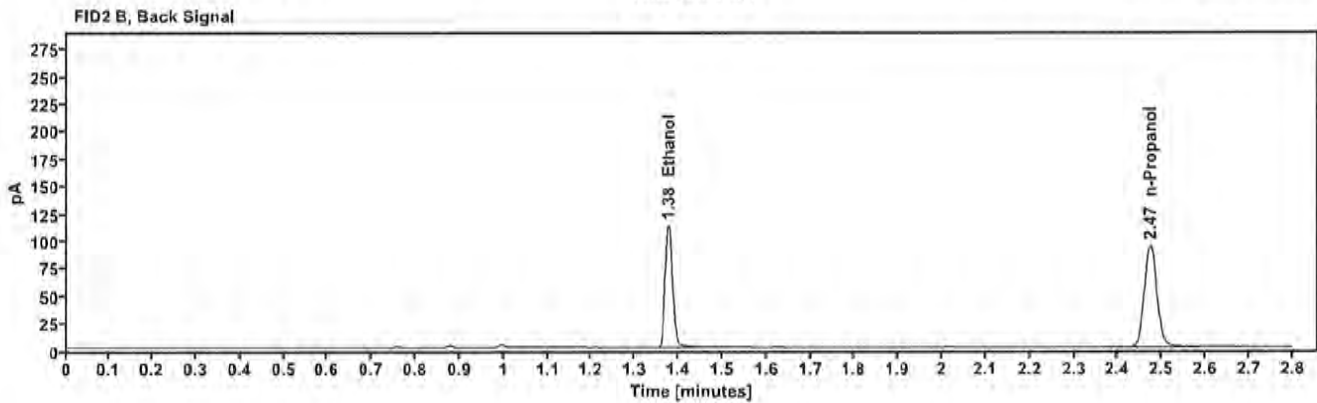
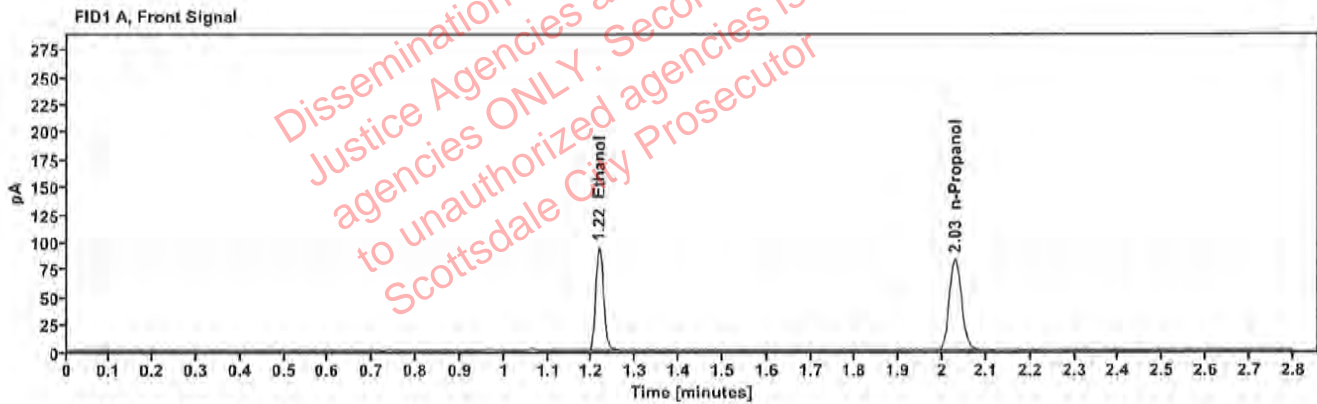


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1983	1.217	119.749
n-Propanol	---	2.029	166.307

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

Compound	Time (min)	Peak Area
Ethanol	1.377	134.858
n-Propanol	2.473	186.298

██████████: Canonico, Erika - (17-Aug-2022)

Case: ██████████ User: ecanonico 8/17/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433410	Vial:	39
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:44:22 PM
Data file:	C:\Chem32\1\Data\16Aug22\39.D	Analyst:	Canonico

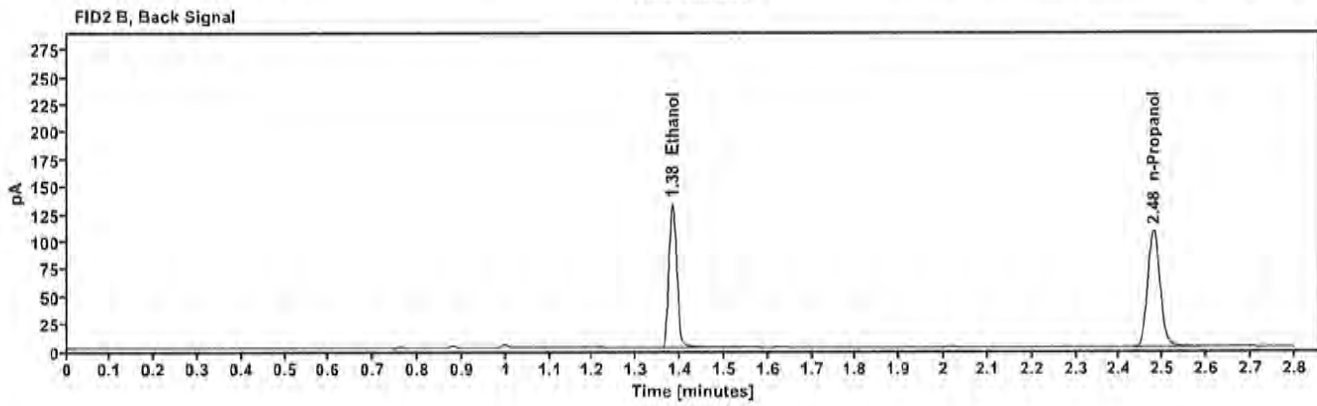
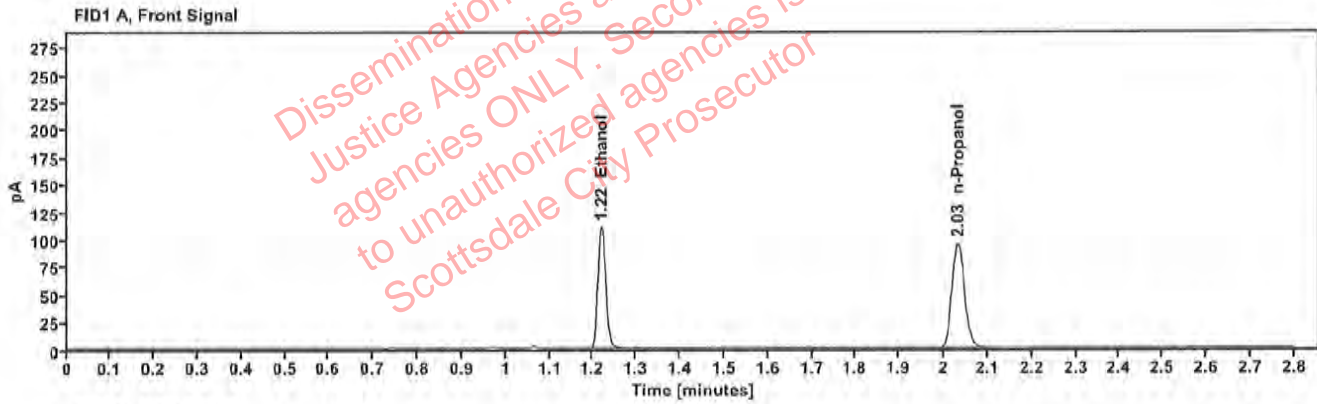


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2062	1.220	142.701
n-Propanol	—	2.032	190.692

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

Compound	Time (min)	Peak Area
Ethanol	1.382	160.958
n-Propanol	2.479	213.657



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433853	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:48:22 PM
Data file:	C:\Chem32\1\Data\16Aug22\40.D	Analyst:	Canonico

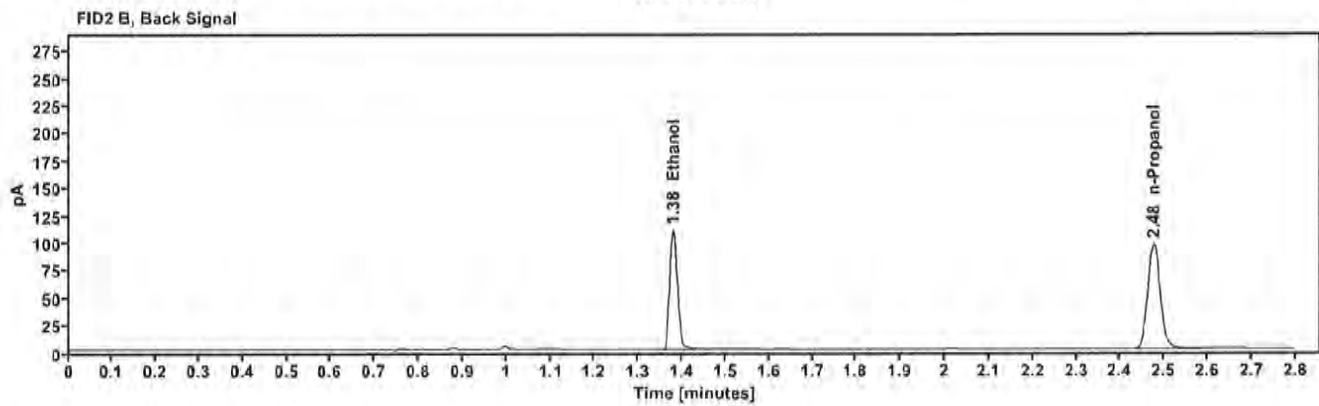
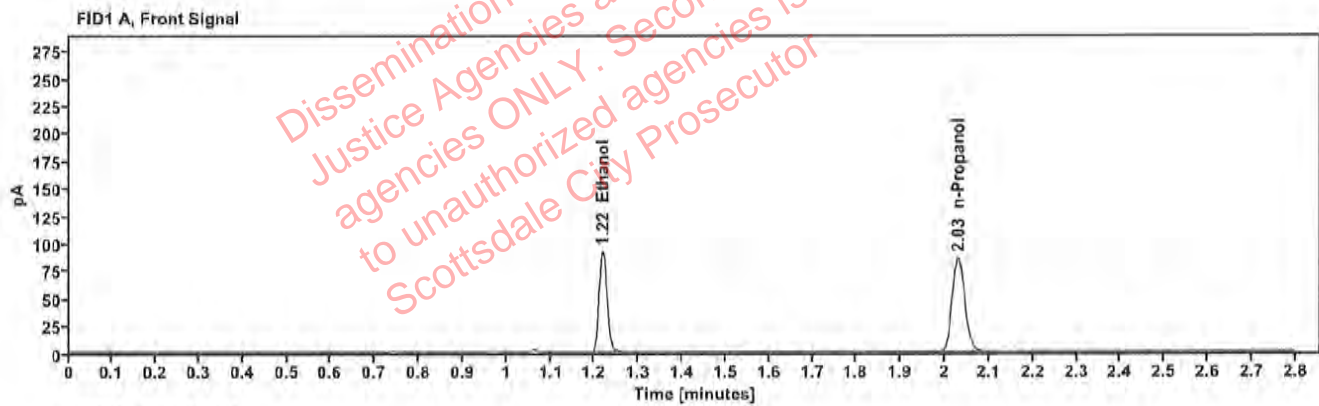


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1894	1.218	117.969
n-Propanol	---	2.030	171.505

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

Compound	Time (min)	Peak Area
Ethanol	1.379	133.037
n-Propanol	2.476	192.226

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433853	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	16Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/16/2022 2:52:22 PM
Data file:	C:\Chem32\1\Data\16Aug22\41.D	Analyst:	Canonico

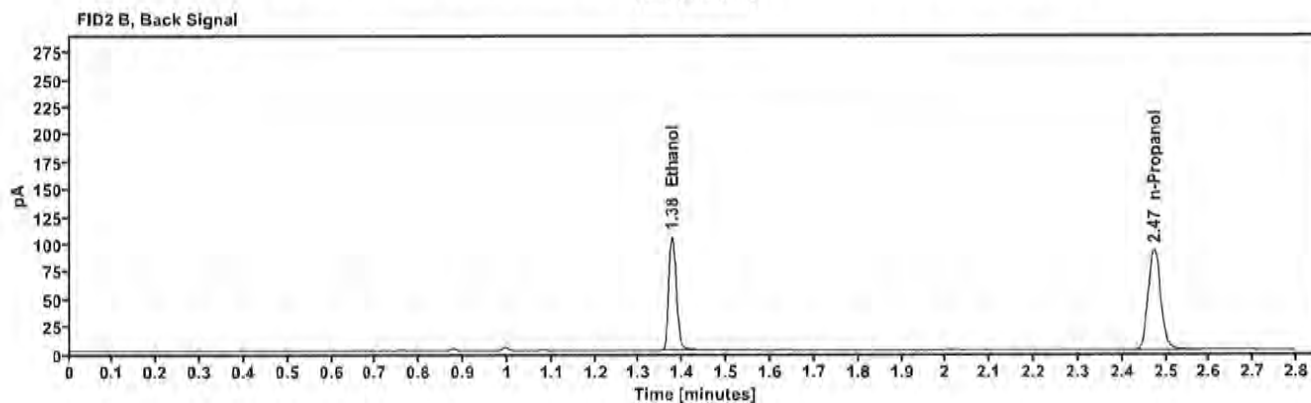
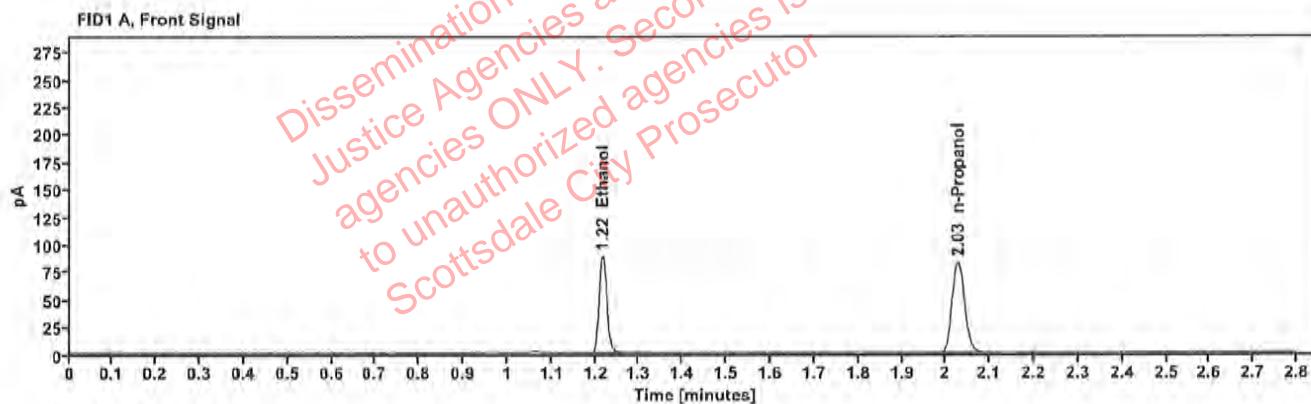


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1870	1.216	112.094
n-Propanol	—	2.028	164.984

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

Compound	Time (min)	Peak Area
Ethanol	1.376	126.346
n-Propanol	2.473	184.765