

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/9/21 SEQUENCE NAME 09Nov21

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN06141806 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN05311902 0.99999  
 Vial 3 0.20 calibrator Lot FN05101903  
 Vial 4 0.40 calibrator Lot FN10051906

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 100421AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/2
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/2
45	Blank	Not detected	Not detected	SPD Lab 111020WB

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

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

Run valid  Philip Swope Run valid  Don Abbott  
 Run invalid  Analyst Run invalid  Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

YRB

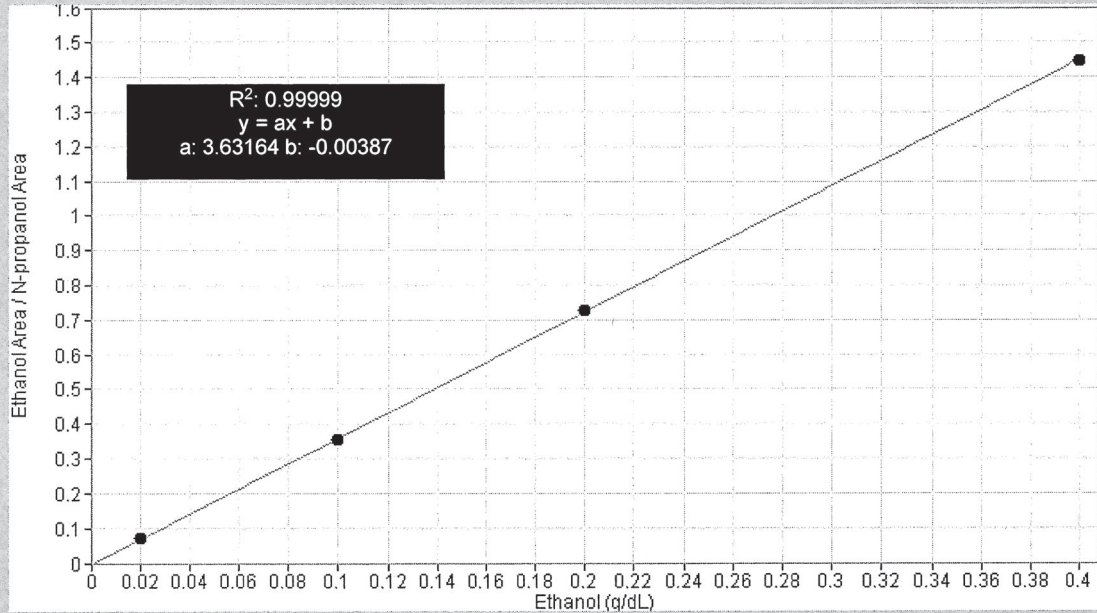
SEQUENCE NAME: 09Nov21

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 100421AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.403	0.400	0.75	0.003
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/2	9	0.201	0.199	1.01	0.002
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.398	0.400	0.50	-0.002
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.199 4110320133/2	44	0.202	0.199	1.51	0.003
blank 111020VB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.787	168.772	0.070
0.100	59.909	167.989	0.357
0.200	122.267	168.777	0.724
0.400	244.260	168.639	1.448

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06141806	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 09Nov21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/9/2021 9:04:00 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>JB</i>
<b>Data file:</b> C:\Chem32\1\Data\09Nov21\1.D	

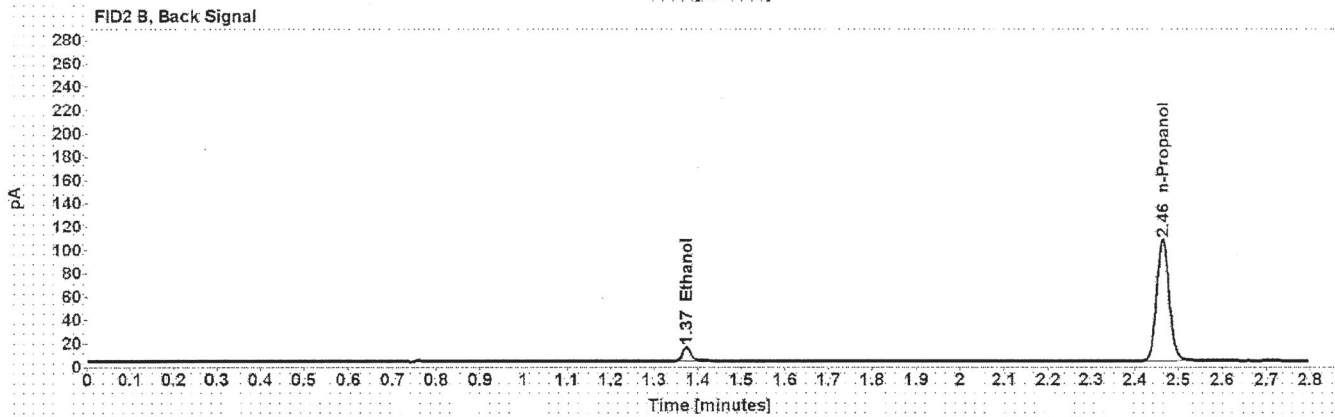


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.787
n-Propanol	2.015	168.772

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

Compound	Time (min)	Peak Area
Ethanol	1.374	14.622
n-Propanol	2.464	208.670

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN05311902	<b>Vial:</b>	2
<b>Description:</b>	0.100 calibrator	<b>Sequence:</b>	09Nov21
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	11/9/2021 9:08:00 AM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Brooke <span style="float: right;">PB</span>
<b>Data file:</b>	C:\Chem32\1\Data\09Nov21\2.D		

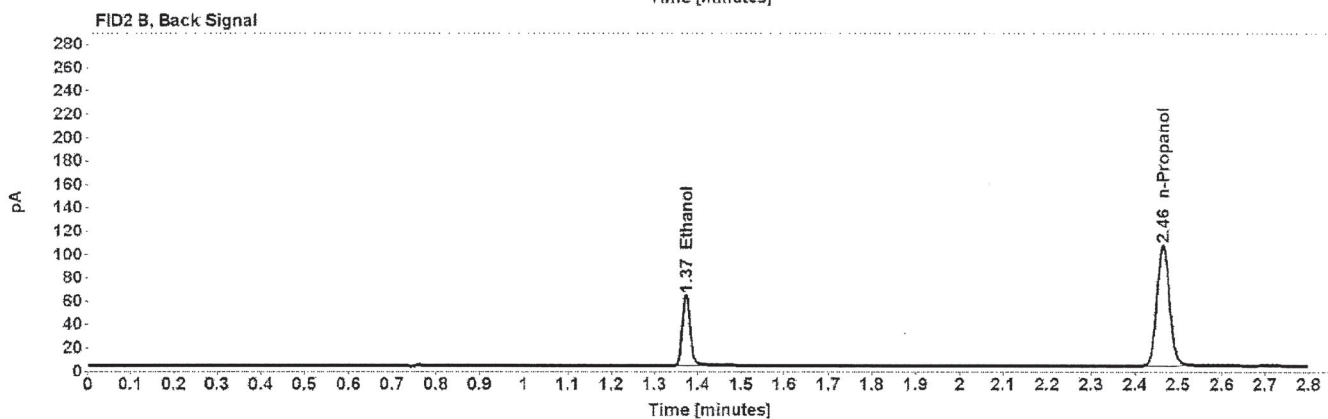
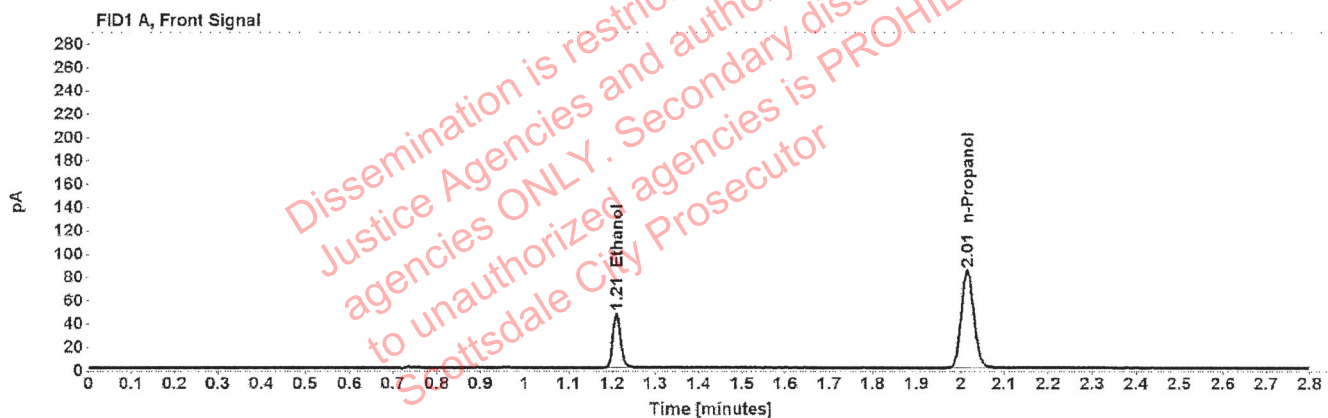


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	59.909
n-Propanol	2.015	167.989

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

Compound	Time (min)	Peak Area
Ethanol	1.372	74.765
n-Propanol	2.465	207.650

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05101903	Vial:	3
Description:	0.200 calibrator	Sequence:	09Nov21
Method:	ethanol quant.M	Injection date:	11/9/2021 9:11:59 AM
Instrument:	US14173023 CN14160045	Analyst:	Brooke <i>VPB</i>
Data file:	C:\Chem32\1\Data\09Nov21\3.D		

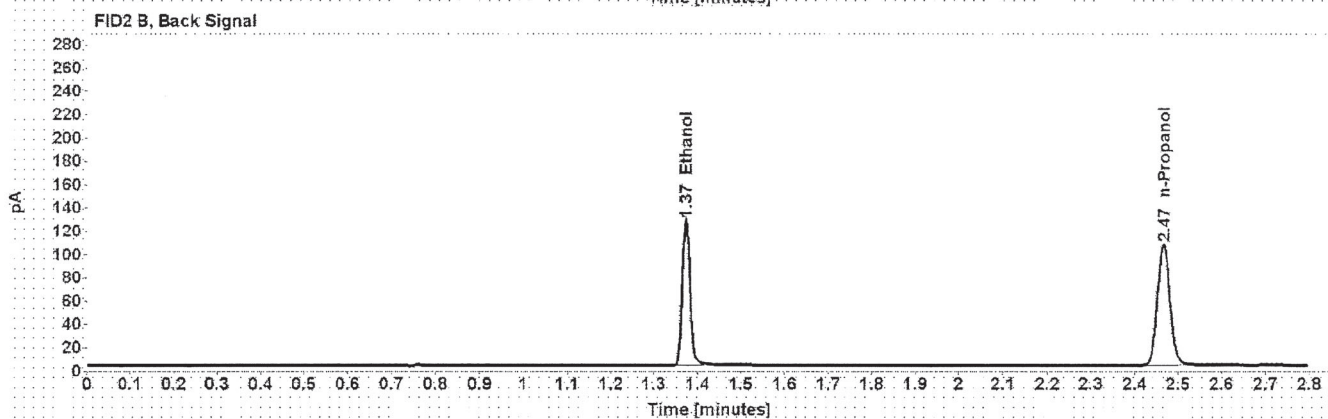
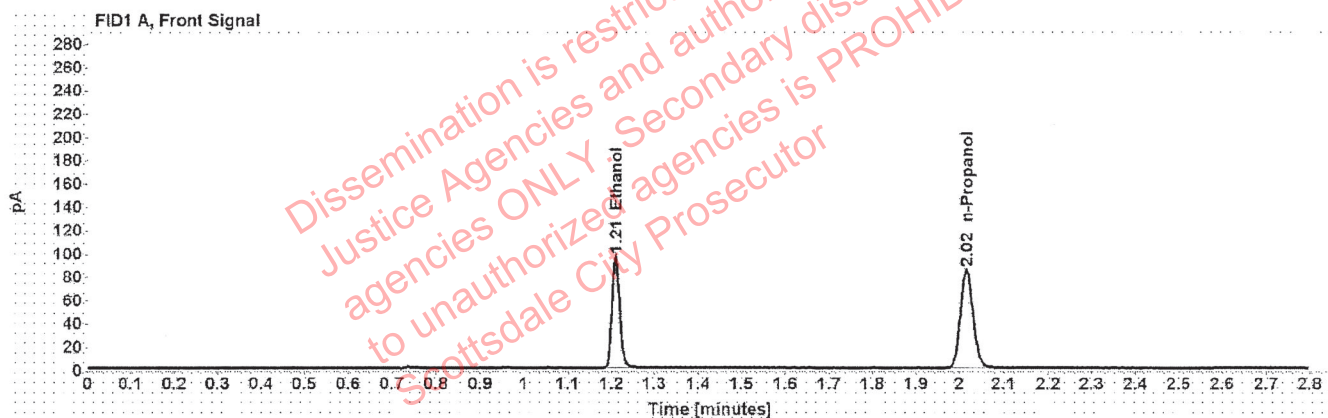


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	122.267
n-Propanol	2.016	168.777

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

Compound	Time (min)	Peak Area
Ethanol	1.374	152.743
n-Propanol	2.466	208.570

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN10051906	Vial:	4
Description:	0.400 calibrator	Sequence:	09Nov21
Method:	ethanol quant.M	Injection date:	11/9/2021 9:16:00 AM
Instrument:	US14173023 CN14160045	Analyst:	Brooke <i>YEB</i>
Data file:	C:\Chem32\1\Data\09Nov21\4.D		

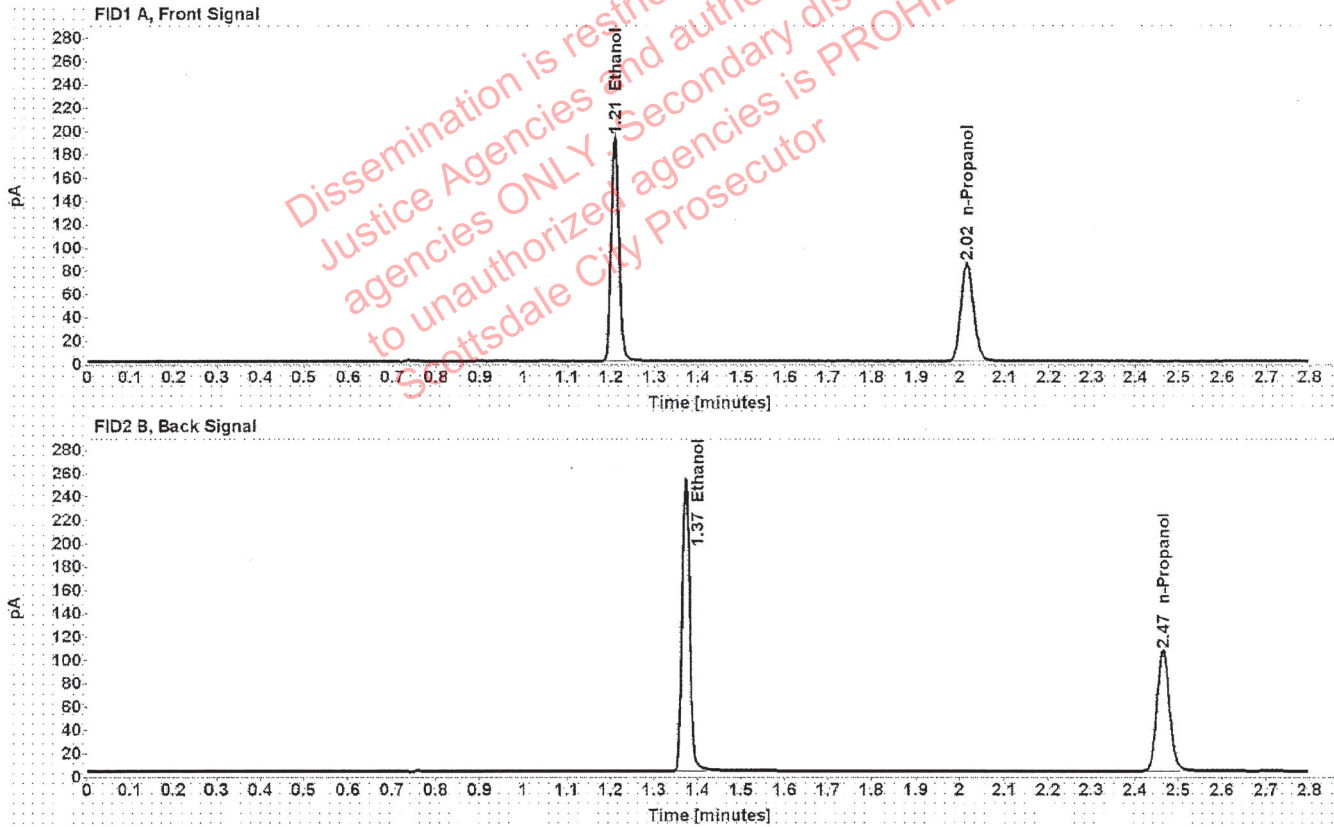


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	244.260
n-Propanol	2.015	168.639

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

Compound	Time (min)	Peak Area
Ethanol	1.372	305.951
n-Propanol	2.466	208.585

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	100421AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:19:59 AM
Data file:	C:\Chem32\1\Data\09Nov21\5.D	Analyst:	Brooke <i>RS</i>

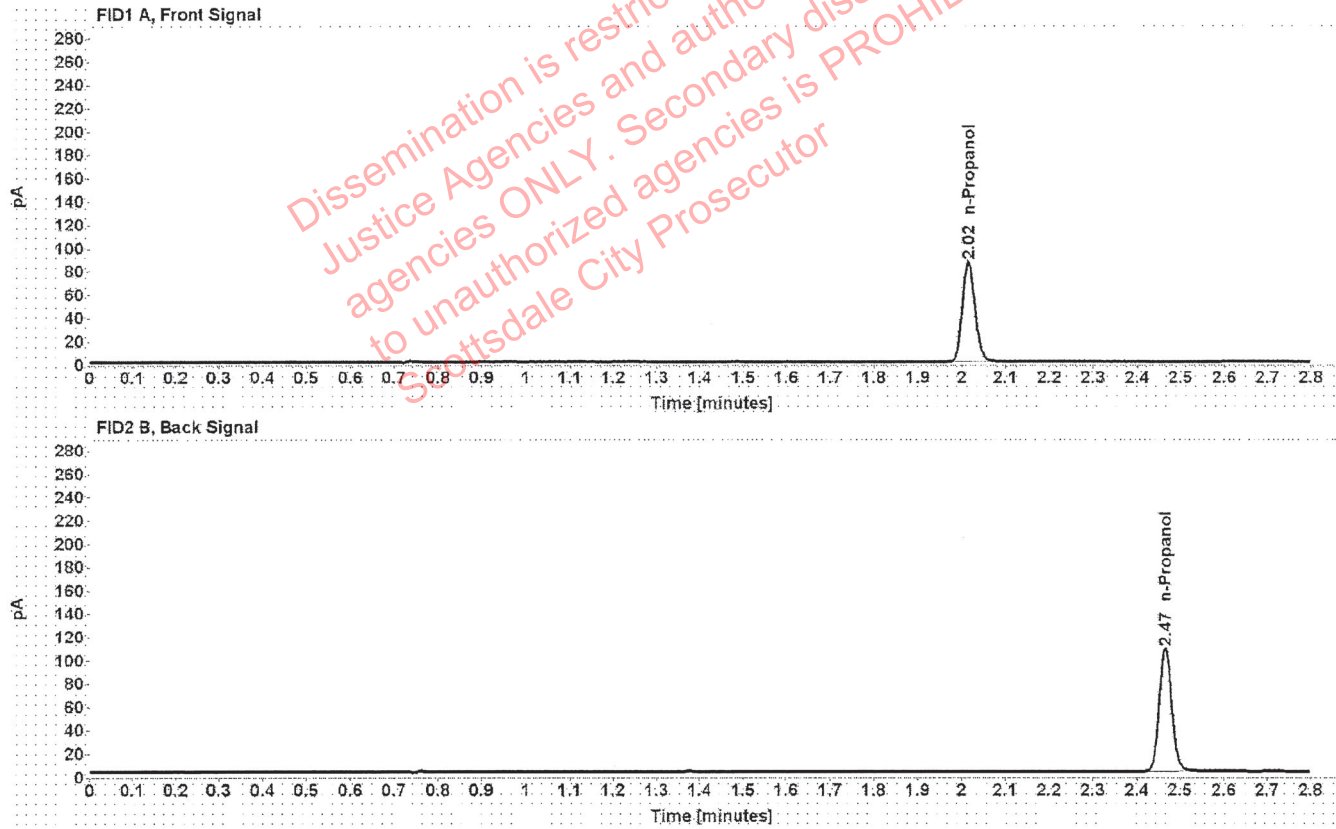


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	171.752

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	212.045

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	050721MIX	<b>Vial:</b>	6
<b>Description:</b>	Volatiles mix	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	09Nov21
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	11/9/2021 9:24:00 AM
<b>Data file:</b>	C:\Chem32\1\Data\09Nov21\6.D	<b>Analyst:</b>	Brooke <i>AB</i>

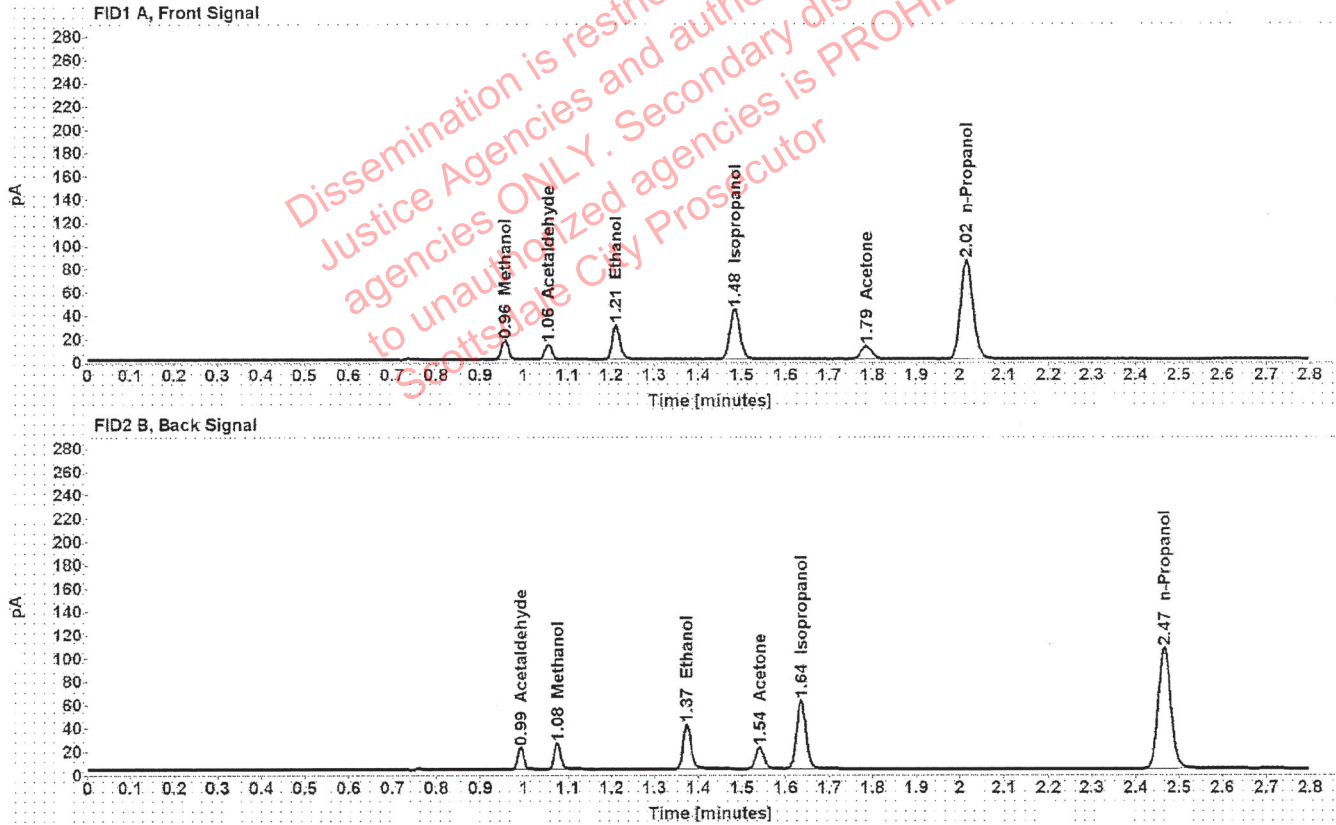


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.227
Acetaldehyde	-----	1.055	13.785
>Ethanol	0.0627	1.211	37.848
Isopropanol	-----	1.484	68.706
Acetone	-----	1.785	18.938
n-Propanol	-----	2.016	169.060

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	17.980
Methanol	1.075	23.424
Ethanol	1.374	46.999
Acetone	1.540	23.874
Isopropanol	1.635	87.925
n-Propanol	2.466	208.819



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:28:14 AM
Data file:	C:\Chem32\1\Data\09Nov21\7.D	Analyst:	Brooke <i>YRS</i>

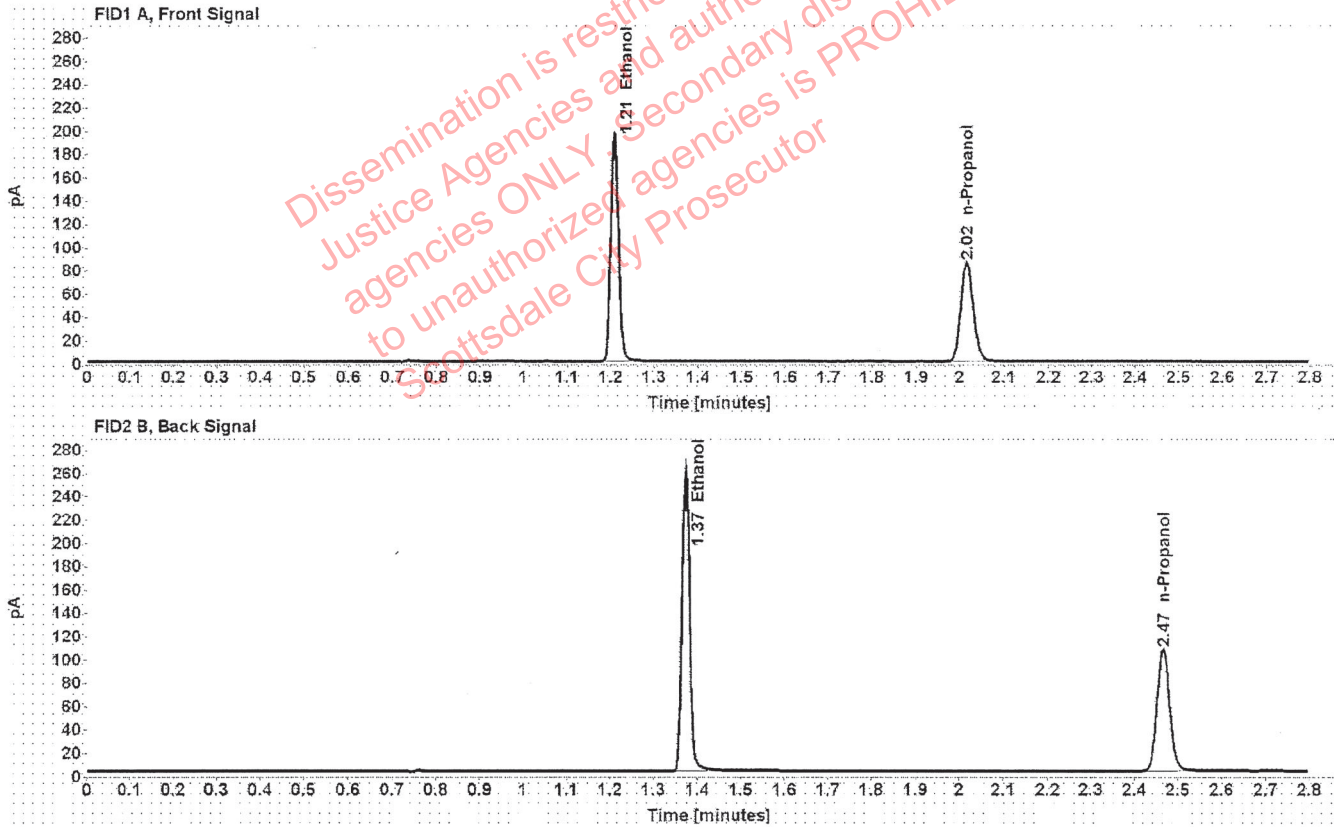


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4037	1.209	249.241
n-Propanol	-----	2.016	170.441

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

Compound	Time (min)	Peak Area
Ethanol	1.373	312.491
n-Propanol	2.466	210.685

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:32:15 AM
Data file:	C:\Chem32\1\Data\09Nov21\8.D	Analyst:	Brooke <i>RB</i>

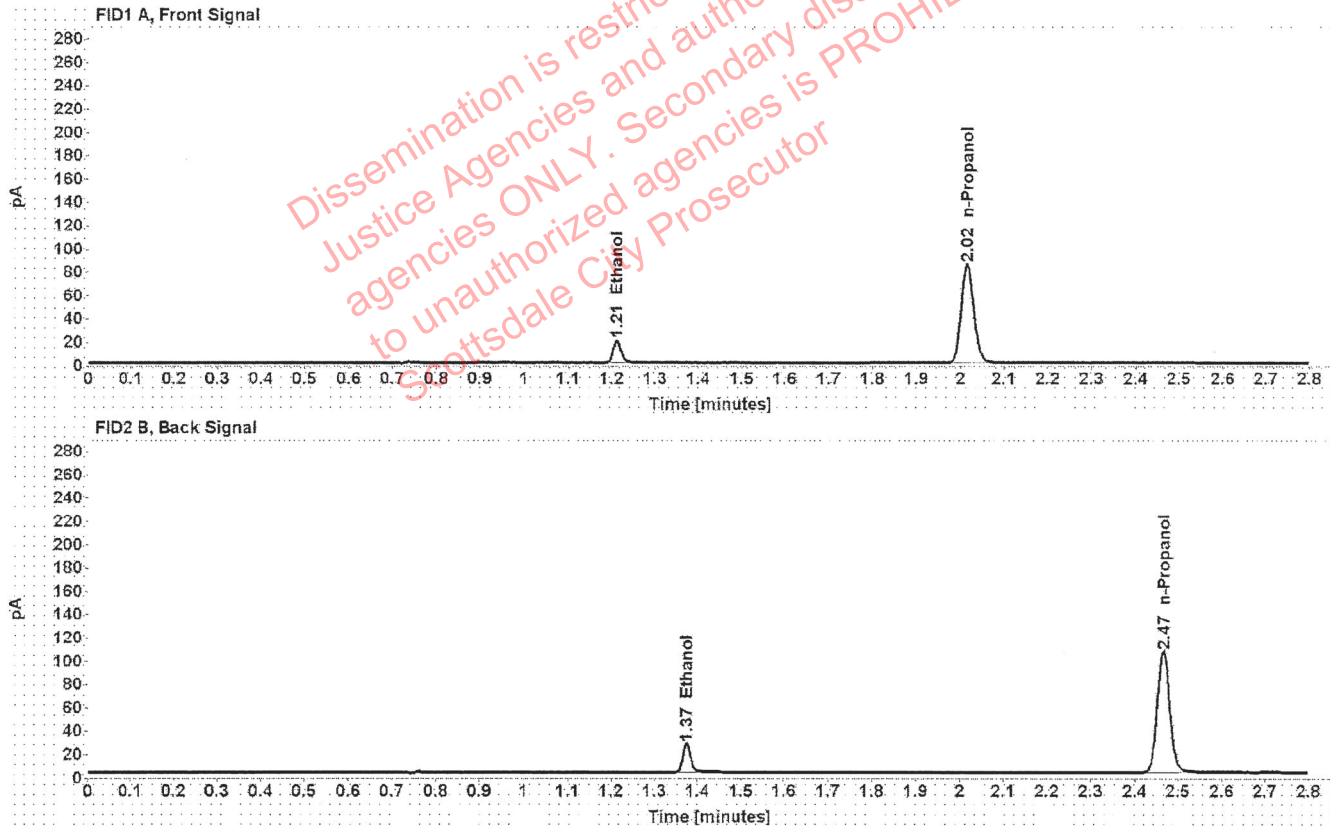


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.212	24.483
n-Propanol	-----	2.016	169.210

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

Compound	Time (min)	Peak Area
Ethanol	1.375	30.387
n-Propanol	2.466	209.352

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/2	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:36:16 AM
Data file:	C:\Chem32\1\Data\09Nov21\9.D	Analyst:	Brooke <i>FB</i>

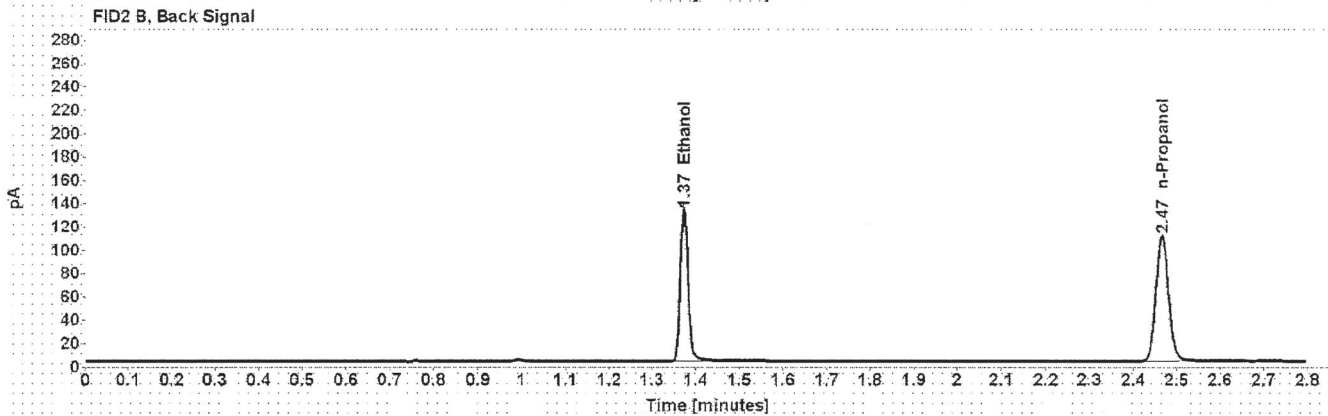
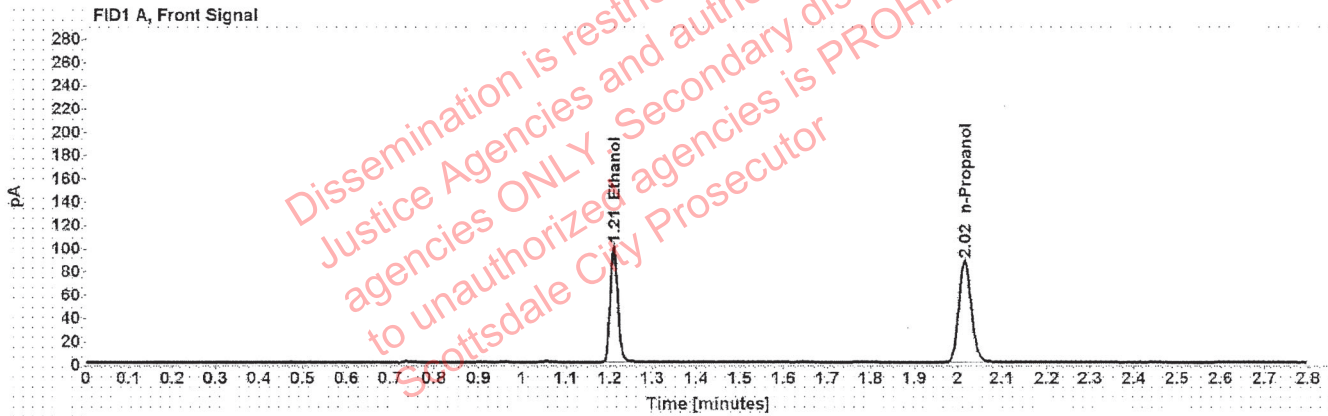


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2018	1.210	127.351
n-Propanol	-----	2.016	174.697

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

Compound	Time (min)	Peak Area
Ethanol	1.374	159.742
n-Propanol	2.466	216.766

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:20:46 AM
Data file:	C:\Chem32\1\Data\09Nov21\20.D	Analyst:	Brooke <i>JB</i>

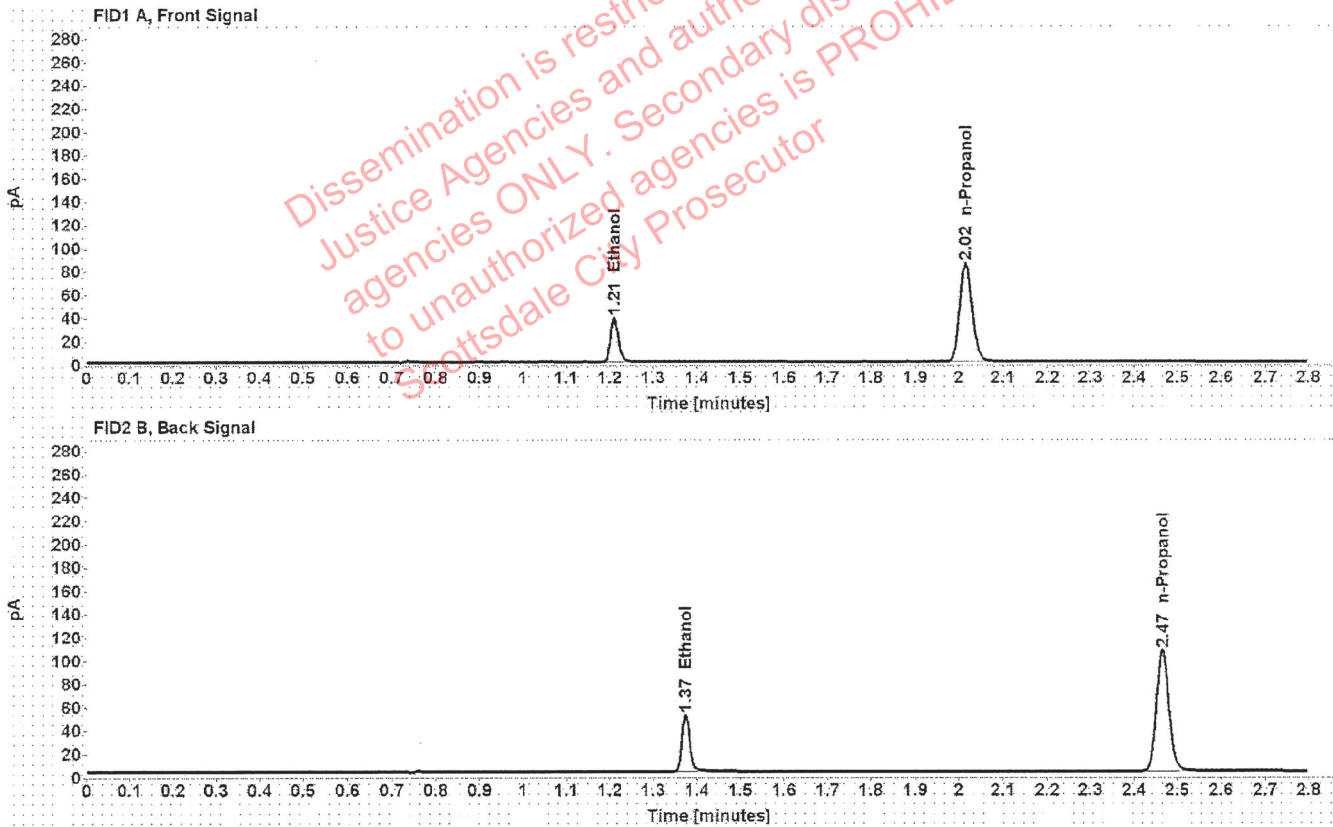


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0801	1.210	48.458
n-Propanol	-----	2.015	168.783

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

Compound	Time (min)	Peak Area
Ethanol	1.374	60.707
n-Propanol	2.466	210.559

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:05:14 AM
Data file:	C:\Chem32\1\Data\09Nov21\31.D	Analyst:	Brooke <i>YBS</i>

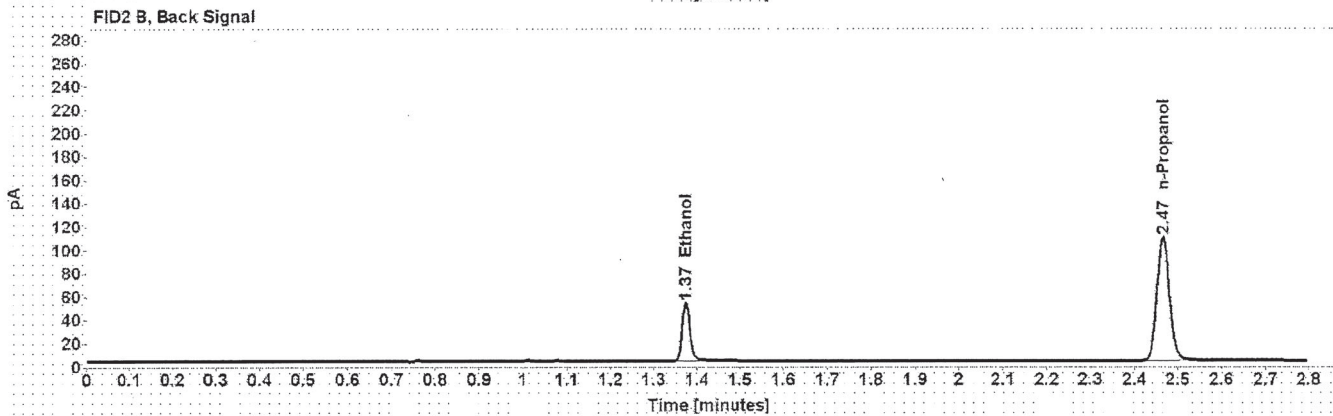
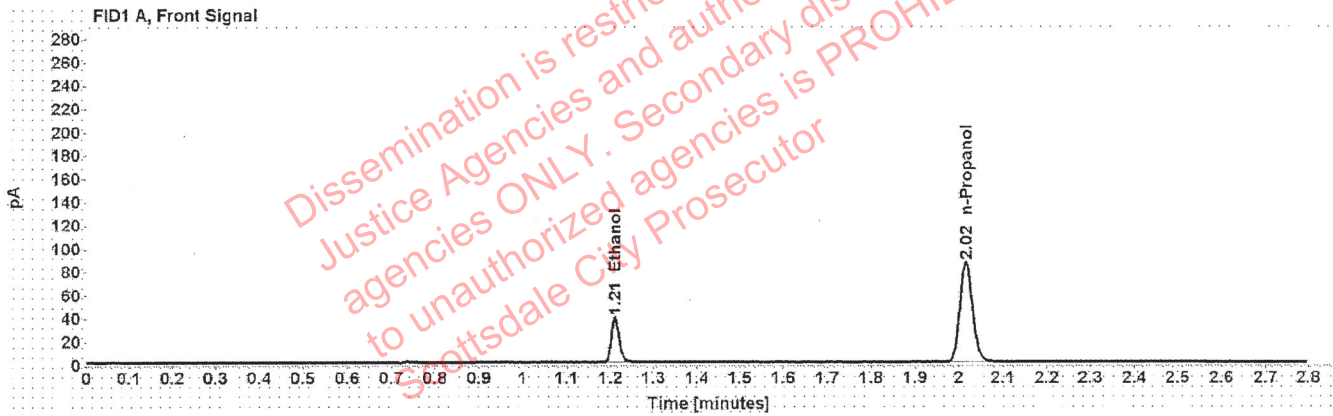


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.211	49.707
n-Propanol	-----	2.016	171.518

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.294
n-Propanol	2.466	214.252

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:49:29 AM
Data file:	C:\Chem32\1\Data\09Nov21\42.D	Analyst:	Brooke <i>YRS</i>

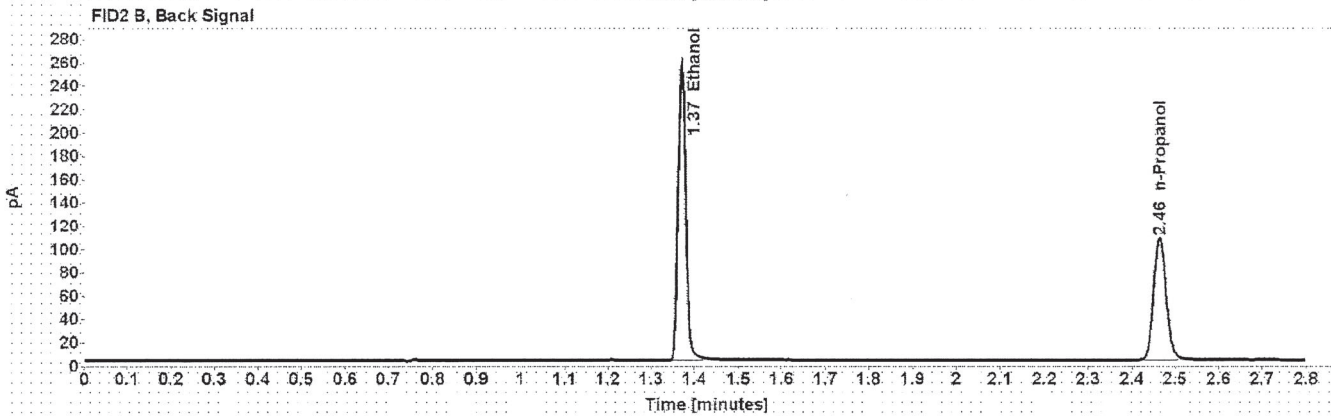
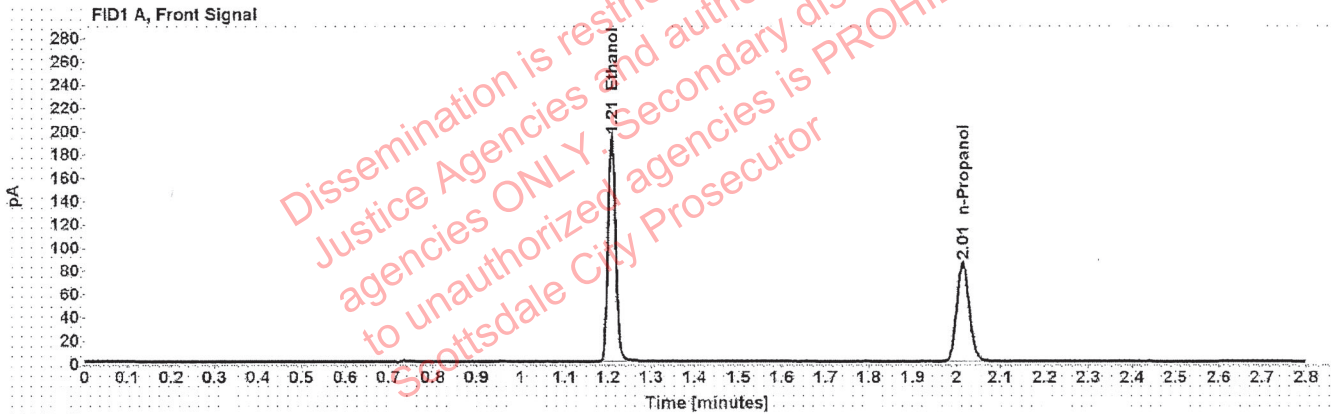


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3985	1.208	245.227
n-Propanol	-----	2.015	169.911

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

Compound	Time (min)	Peak Area
Ethanol	1.371	310.056
n-Propanol	2.465	212.789

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:53:44 AM
Data file:	C:\Chem32\1\Data\09Nov21\43.D	Analyst:	Brooke <i>BP</i>

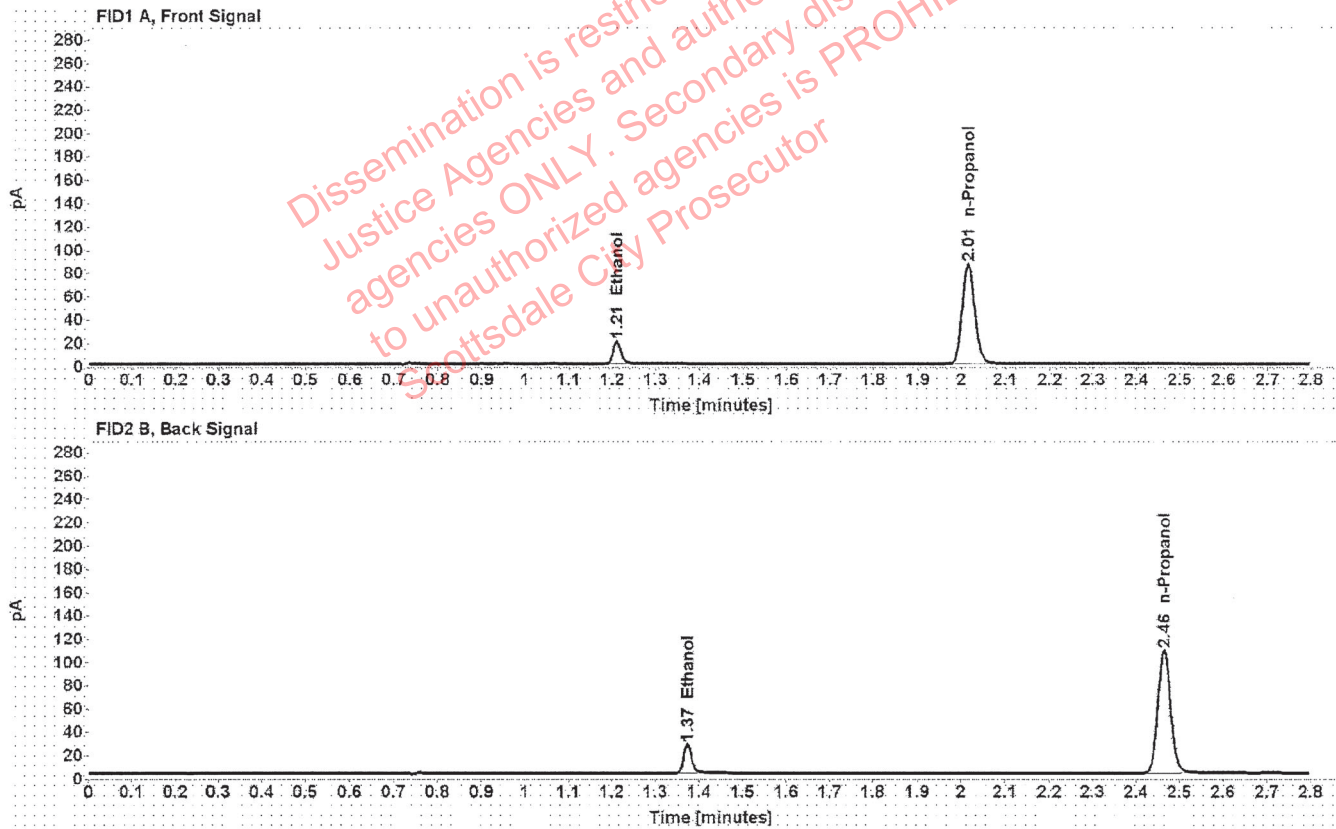


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.211	24.625
n-Propanol	-----	2.015	171.232

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

Compound	Time (min)	Peak Area
Ethanol	1.373	30.953
n-Propanol	2.465	214.193

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/2	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:57:44 AM
Data file:	C:\Chem32\1\Data\09Nov21\44.D	Analyst:	Brooke <i>YB</i>

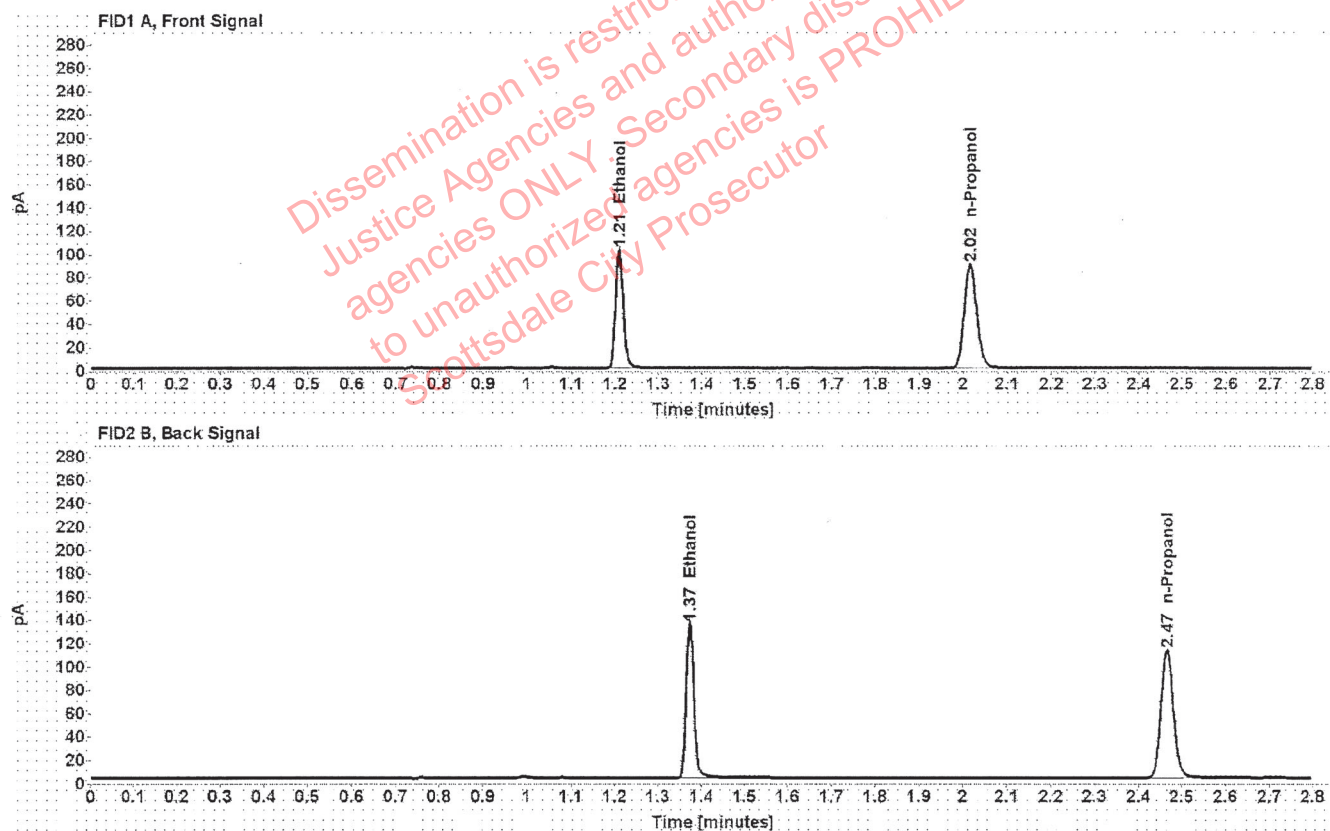


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2022	1.210	129.588
n-Propanol	-----	2.016	177.437

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

Compound	Time (min)	Peak Area
Ethanol	1.374	163.654
n-Propanol	2.466	221.939



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	111020WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 12:01:44 PM
Data file:	C:\Chem32\1\Data\09Nov21\45.D	Analyst:	Brooke <i>RB</i>

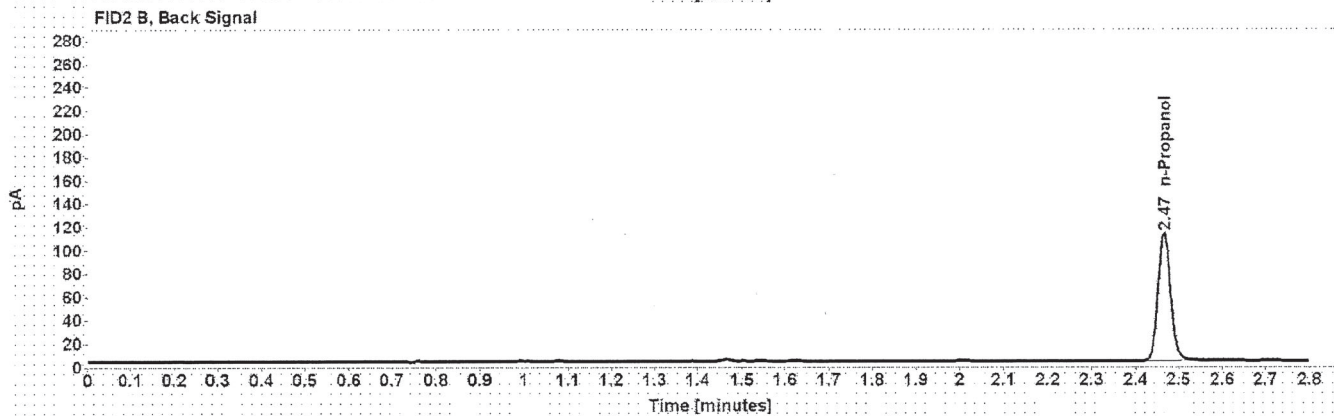
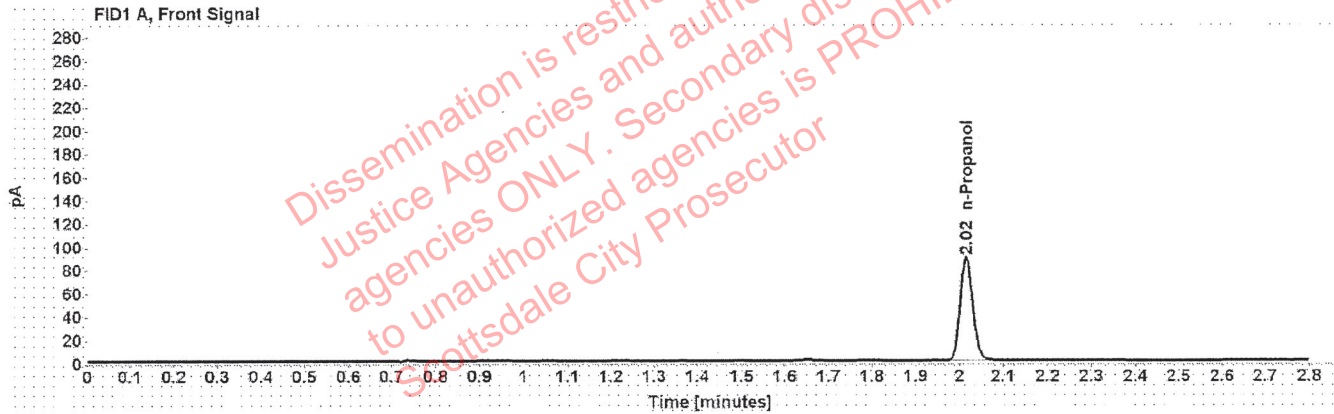


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	176.251

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	221.043

# Sequence Summary

Sequence name: 09Nov21      Instrument: US14173023 CN14160045      Analyst: Brooke YPB

Vial	Sample	Description	Type	LIMS ID	Method
1	FN06141806	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN05101903	0.200 calibrator	Calibration		ethanol quant.M
4	FN10051906	0.400 calibrator	Calibration		ethanol quant.M
5	100421AQ	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/2	0.199	Control		ethanol quant.M
10	1395635		Sample		ethanol quant.M
11	1395635		Sample		ethanol quant.M
12	1395471		Sample		ethanol quant.M
13	1395471		Sample		ethanol quant.M
14	1395537		Sample		ethanol quant.M
15	1395537		Sample		ethanol quant.M
16	1395328		Sample		ethanol quant.M
17	1395328		Sample		ethanol quant.M
18	1395448		Sample		ethanol quant.M
19	1395448		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1395324		Sample		ethanol quant.M
22	1395324		Sample		ethanol quant.M
23	1395329		Sample		ethanol quant.M
24	1395329		Sample		ethanol quant.M
25	32701SC		Sample		ethanol quant.M
26	32701SC		Sample		ethanol quant.M
27	32701CW		Sample		ethanol quant.M
28	32701CW		Sample		ethanol quant.M
29	27401EP		Sample		ethanol quant.M
30	27401EP		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	32701MQ		Sample		ethanol quant.M
33	32701MQ		Sample		ethanol quant.M
34	38001JW		Sample		ethanol quant.M
35	38001JW		Sample		ethanol quant.M
36	32701JA		Sample		ethanol quant.M
37	32701JA		Sample		ethanol quant.M
38	32601AA		Sample		ethanol quant.M
39	32601AA		Sample		ethanol quant.M
40	32701SN		Sample		ethanol quant.M
41	32701SN		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/2	0.199	Control		ethanol quant.M
45	111020WB	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

TB

SEQUENCE NAME: 09Nov21

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1000	0.0982	0.09910	0.91	0.00090
12 13	0.1822	0.1824	0.18230	0.05	0.00010
14 15	0.0786	0.0782	0.07840	0.26	0.00020
16 17	0.1898	0.1890	0.18940	0.21	0.00040
18 19	0.2094	0.2096	0.20950	0.05	0.00010
21 22	0.0771	0.0762	0.07665	0.59	0.00045
23 24	0.1742	0.1742	0.17420	0.00	0.00000
25 26	0.1630	0.1634	0.16320	0.12	0.00020
27 28	0.1235	0.1244	0.12395	0.36	0.00045
29 30	0.2642	0.2656	0.26490	0.26	0.00070
32 33	0.2709	0.2709	0.27090	0.00	0.00000
34 35	0.1896	0.1904	0.19000	0.21	0.00040
36 37	0.1444	0.1442	0.14430	0.07	0.00010
38 39	0.1966	0.1960	0.19630	0.15	0.00030
40 41	0.0711	0.0704	0.07075	0.49	0.00035

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395635	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:40:14 AM
Data file:	C:\Chem32\1\Data\09Nov21\10.D	Analyst:	Brooke

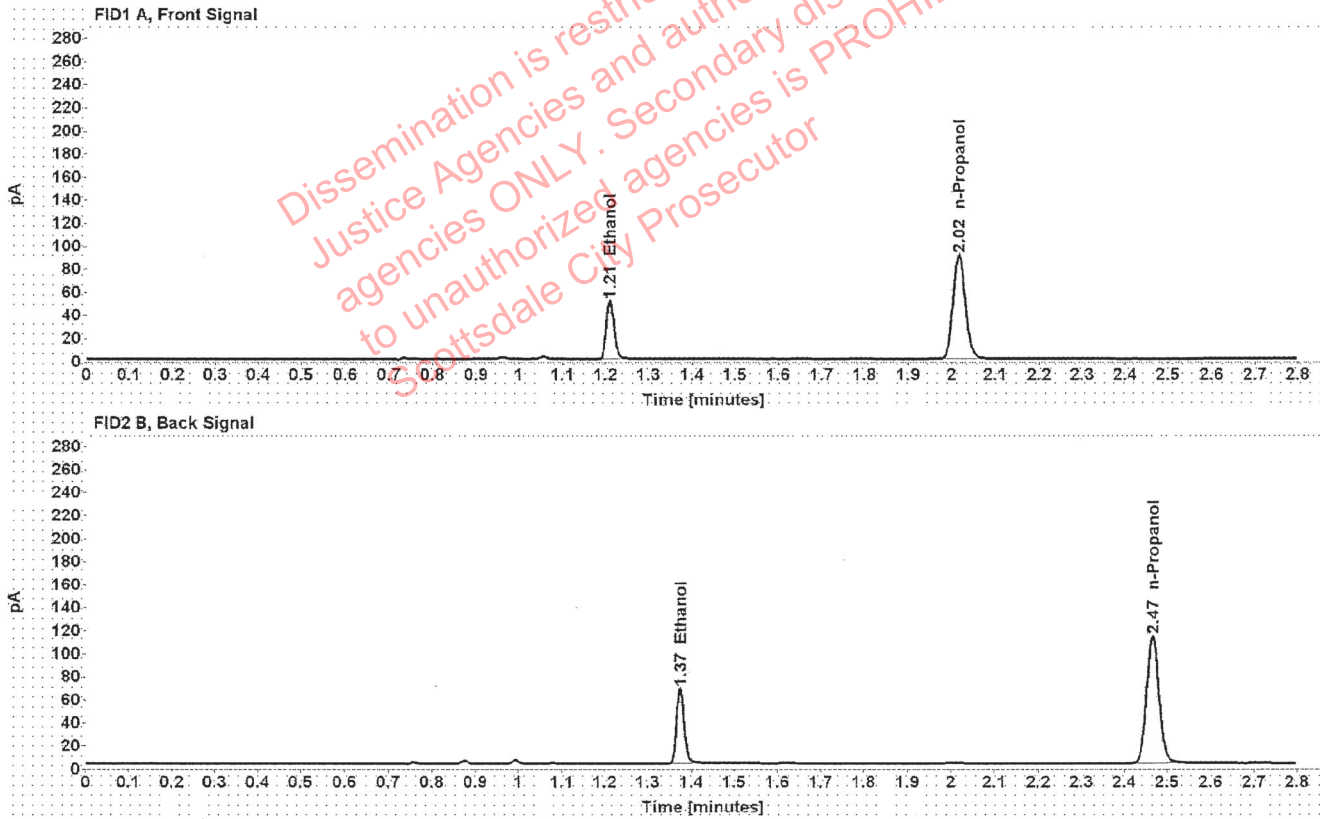


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1000	1.211	64.274
n-Propanol	-----	2.016	178.829

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

Compound	Time (min)	Peak Area
Ethanol	1.374	79.875
n-Propanol	2.466	222.119

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395635	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:44:15 AM
Data file:	C:\Chem32\1\Data\09Nov21\11.D	Analyst:	Brooke

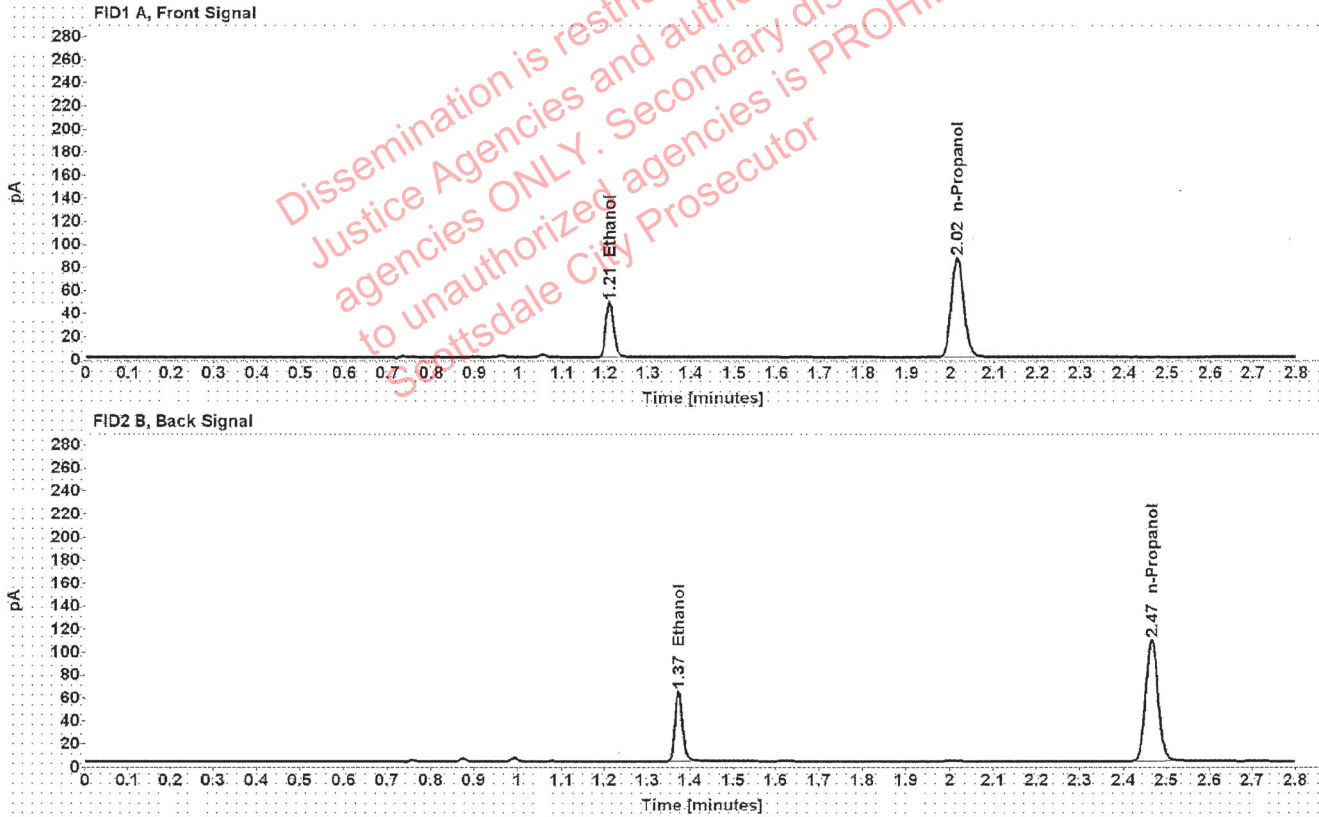


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0982	1.210	60.562
n-Propanol	-----	2.015	171.722

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

Compound	Time (min)	Peak Area
Ethanol	1.373	75.264
n-Propanol	2.465	213.624

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395471	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:48:14 AM
Data file:	C:\Chem32\1\Data\09Nov21\12.D	Analyst:	Brooke

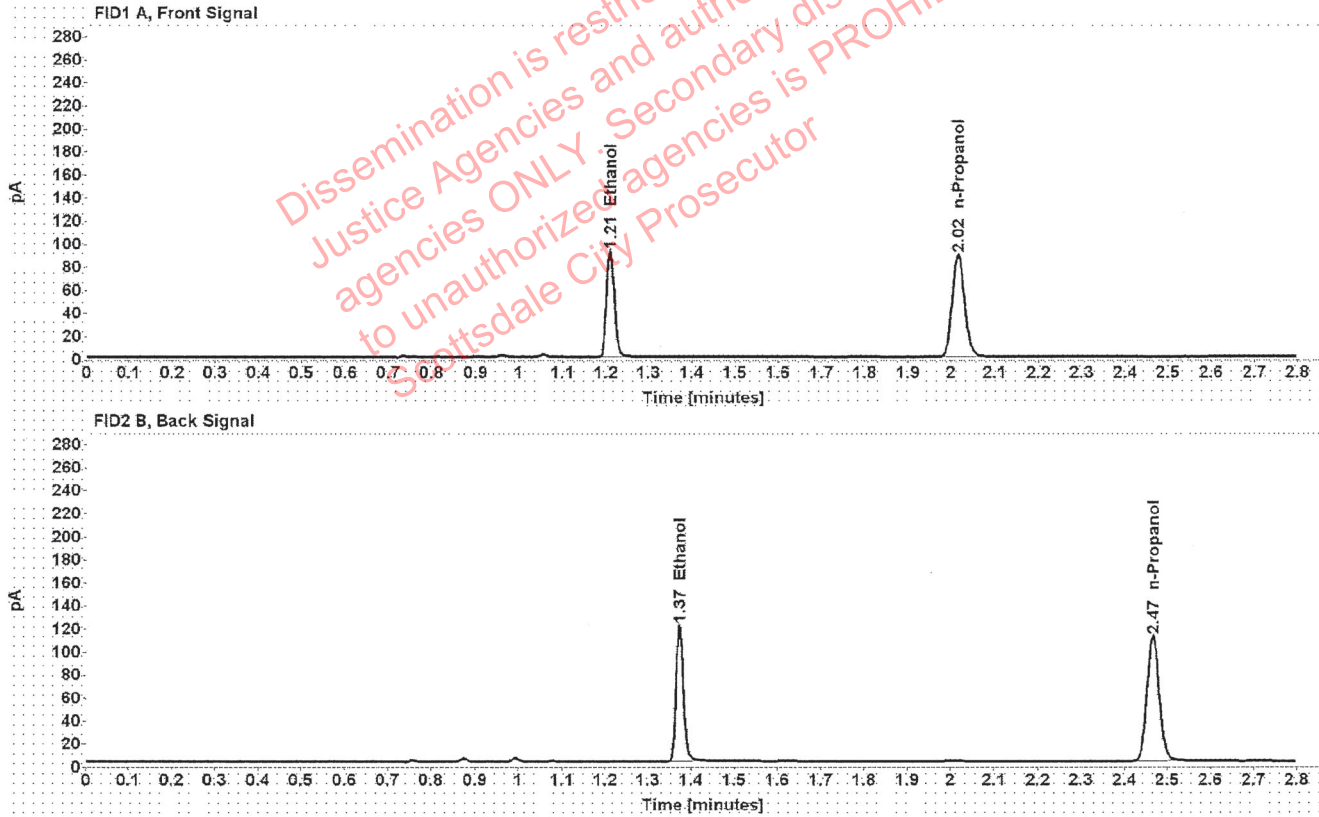


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1822	1.210	116.275
n-Propanol	-----	2.016	176.753

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

Compound	Time (min)	Peak Area
Ethanol	1.374	145.495
n-Propanol	2.466	220.019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395471	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:52:29 AM
Data file:	C:\Chem32\1\Data\09Nov21\13.D	Analyst:	Brooke

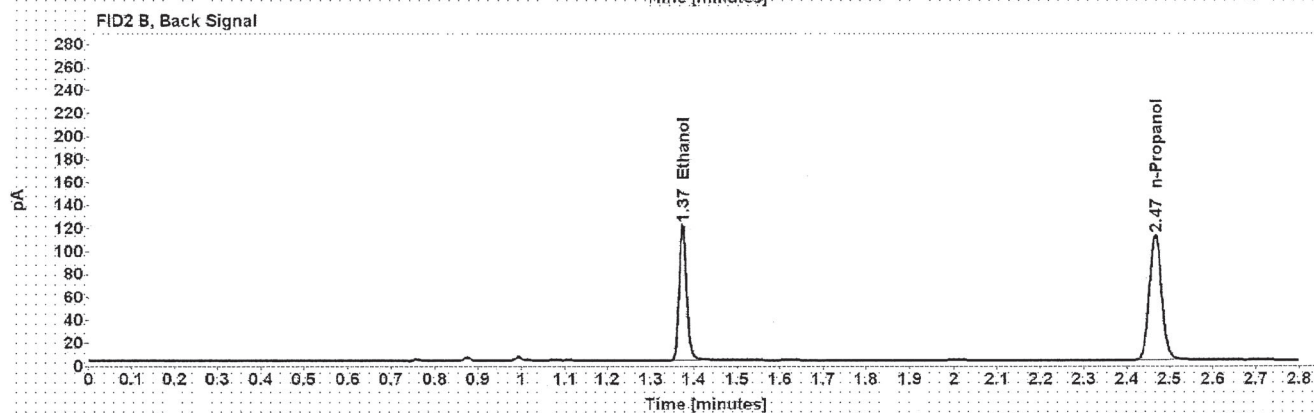
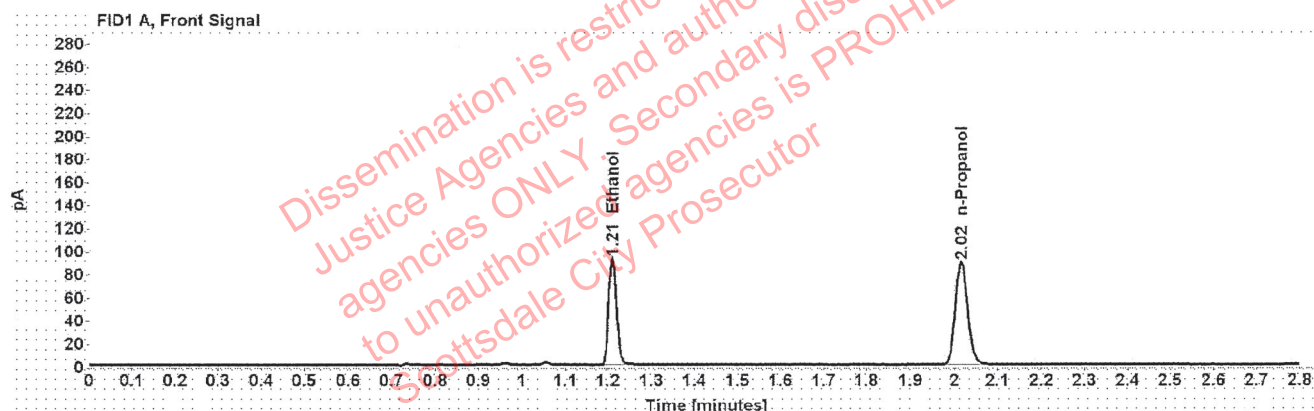


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1824	1.210	116.442
n-Propanol	-----	2.016	176.783

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

Compound	Time (min)	Peak Area
Ethanol	1.374	146.986
n-Propanol	2.467	220.340



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395537	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 9:56:29 AM
Data file:	C:\Chem32\1\Data\09Nov21\14.D	Analyst:	Brooke

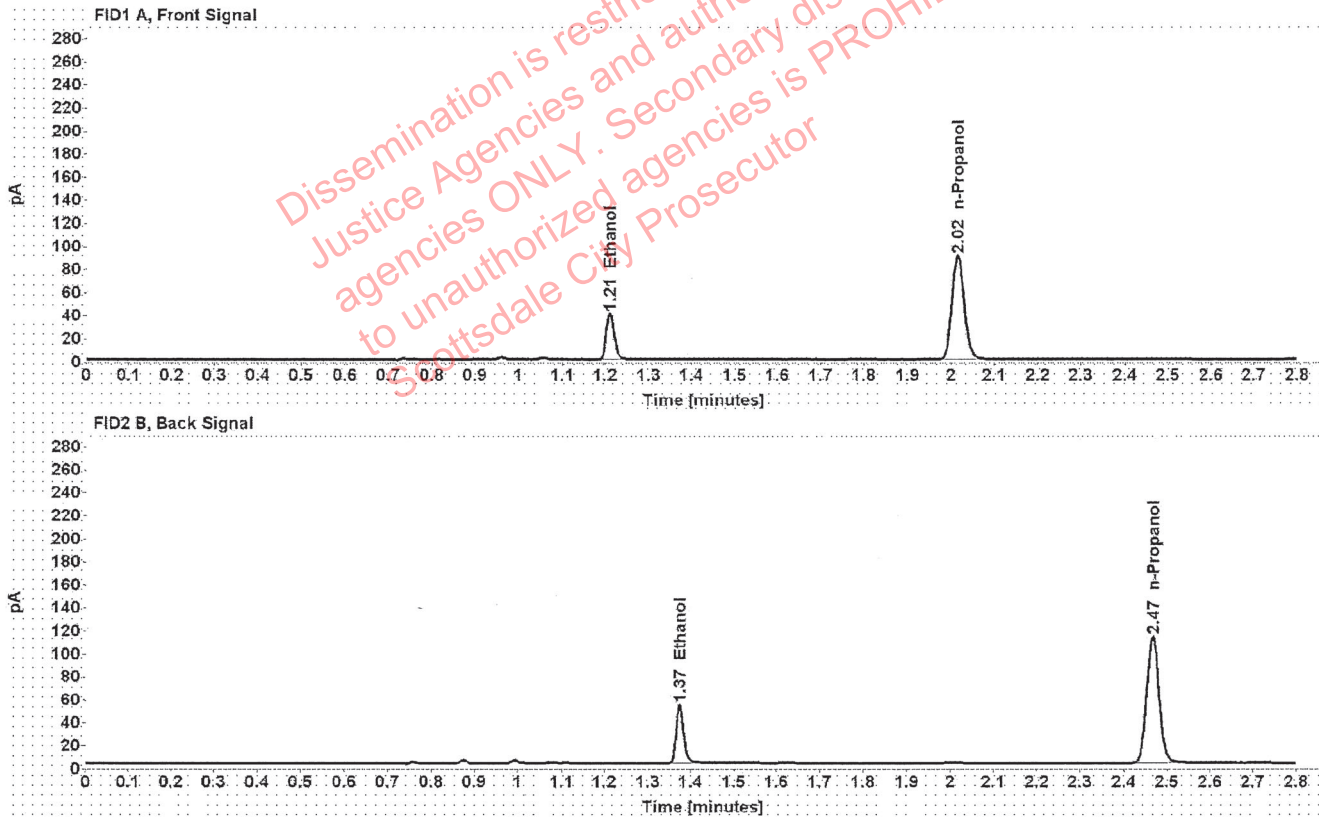


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0786	1.211	50.314
n-Propanol	-----	2.016	178.604

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.652
n-Propanol	2.466	222.822

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395537	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:00:30 AM
Data file:	C:\Chem32\1\Data\09Nov21\15.D	Analyst:	Brooke

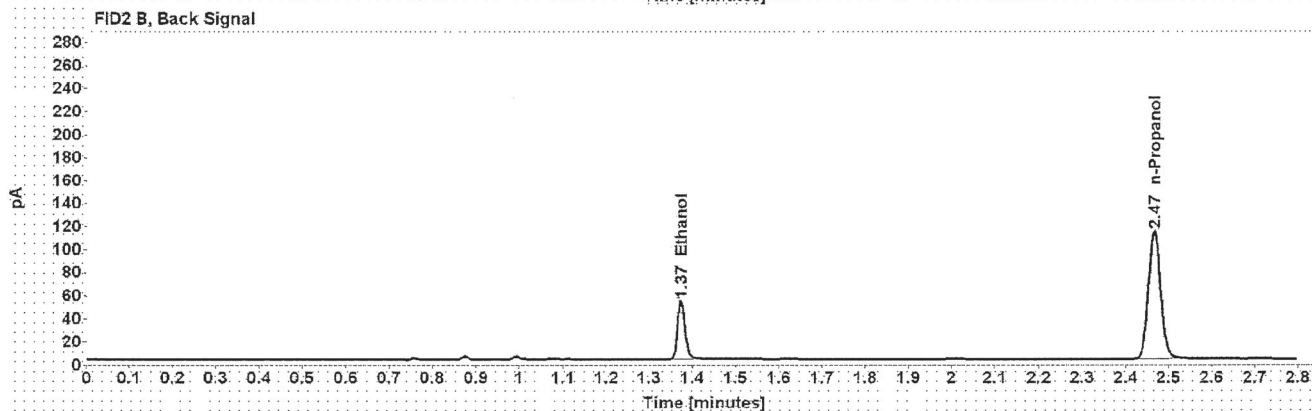


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0782	1.211	50.055
n-Propanol	-----	2.016	178.635

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.460
n-Propanol	2.466	222.876

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395328	Vial:	16
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:04:30 AM
Data file:	C:\Chem32\1\Data\09Nov21\16.D	Analyst:	Brooke

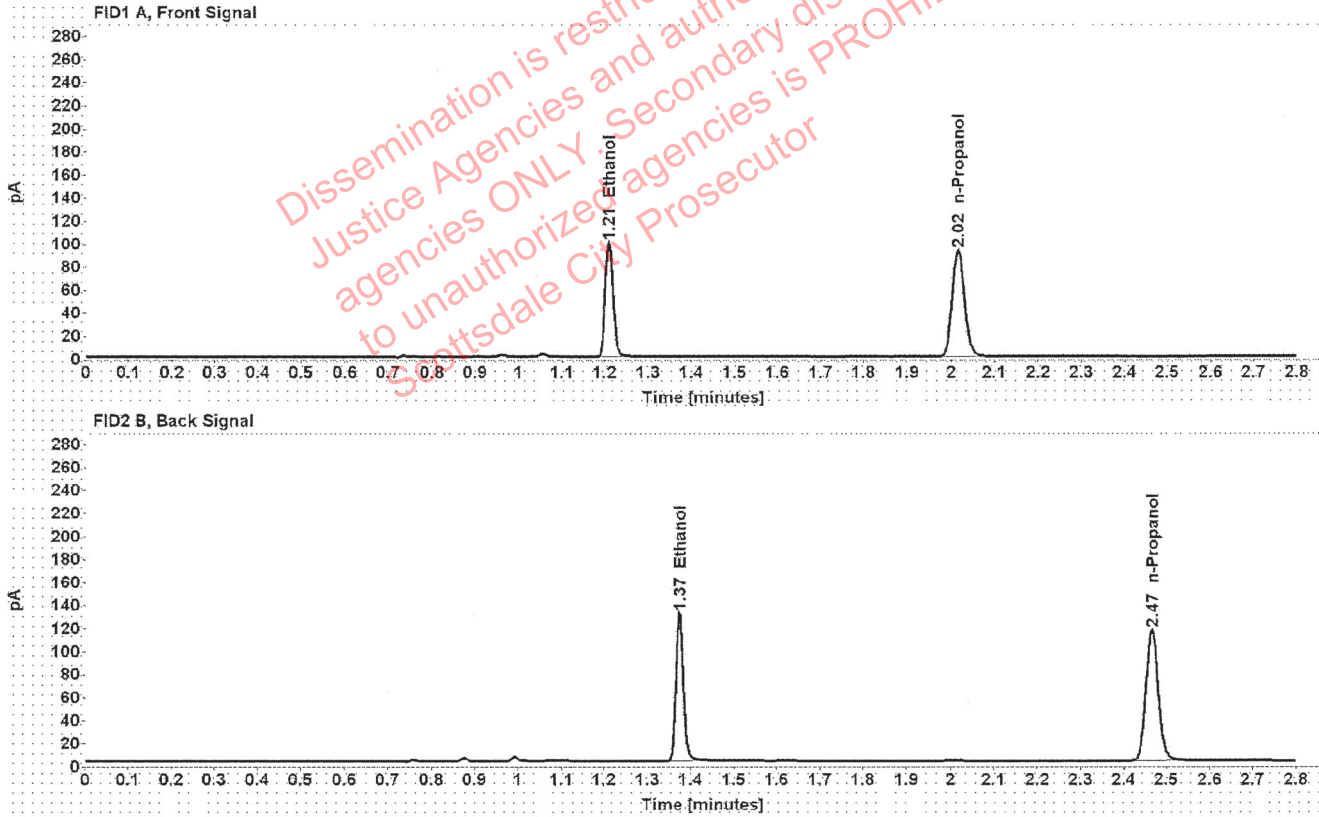


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1898	1.210	126.137
n-Propanol	-----	2.016	184.022

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

Compound	Time (min)	Peak Area
Ethanol	1.374	158.168
n-Propanol	2.466	229.721

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395328	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:08:30 AM
Data file:	C:\Chem32\1\Data\09Nov21\17.D	Analyst:	Brooke

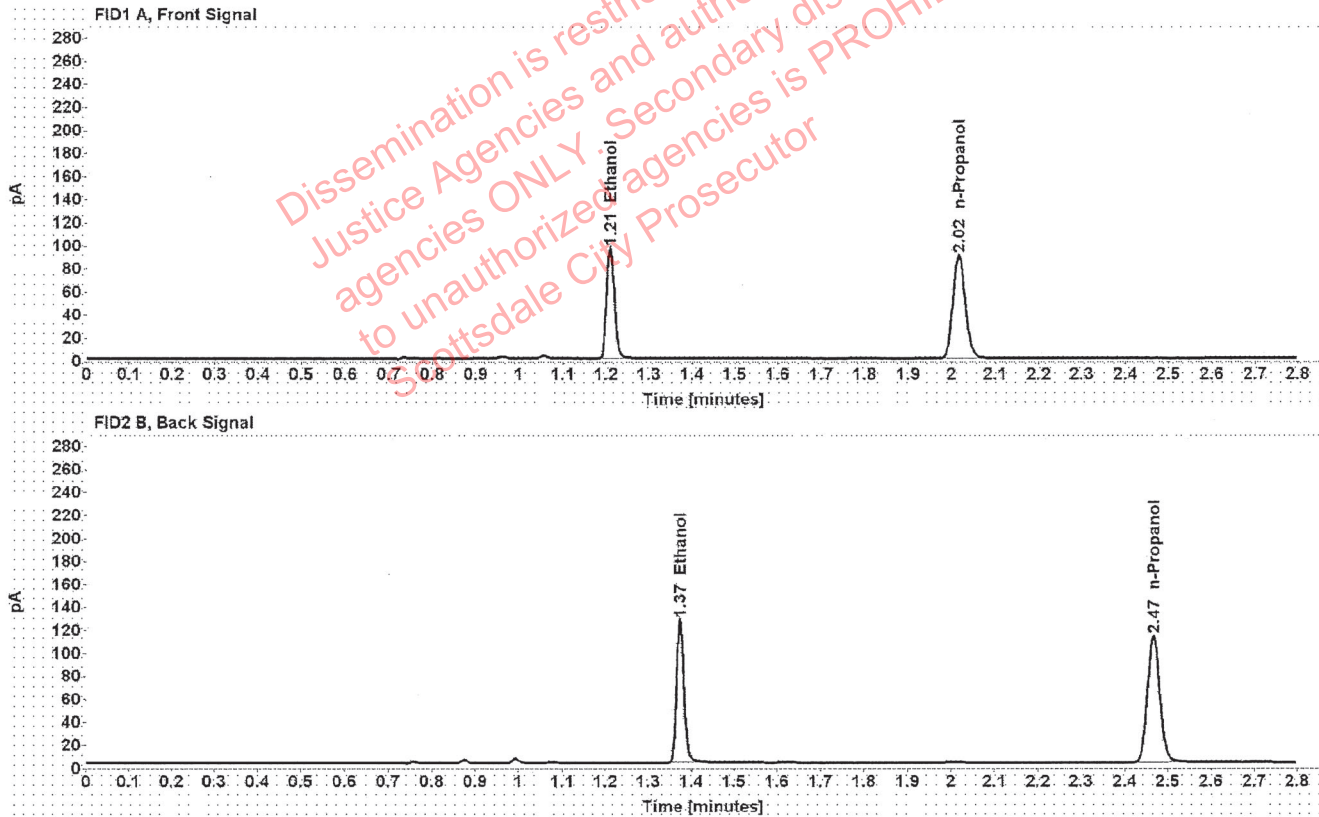


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1890	1.210	121.640
n-Propanol	-----	2.016	178.248

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

Compound	Time (min)	Peak Area
Ethanol	1.374	152.612
n-Propanol	2.467	222.727

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395448	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:12:30 AM
Data file:	C:\Chem32\1\Data\09Nov21\18.D	Analyst:	Brooke

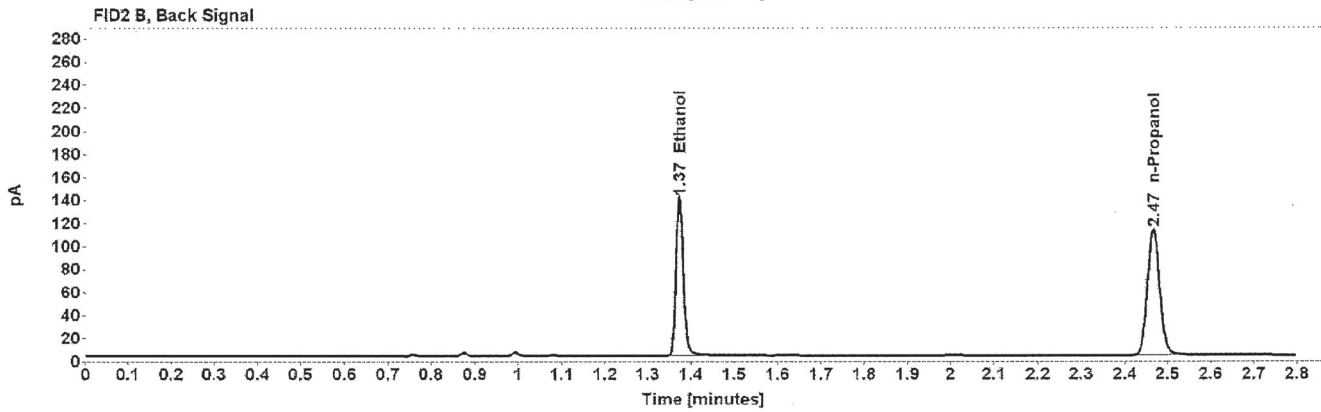
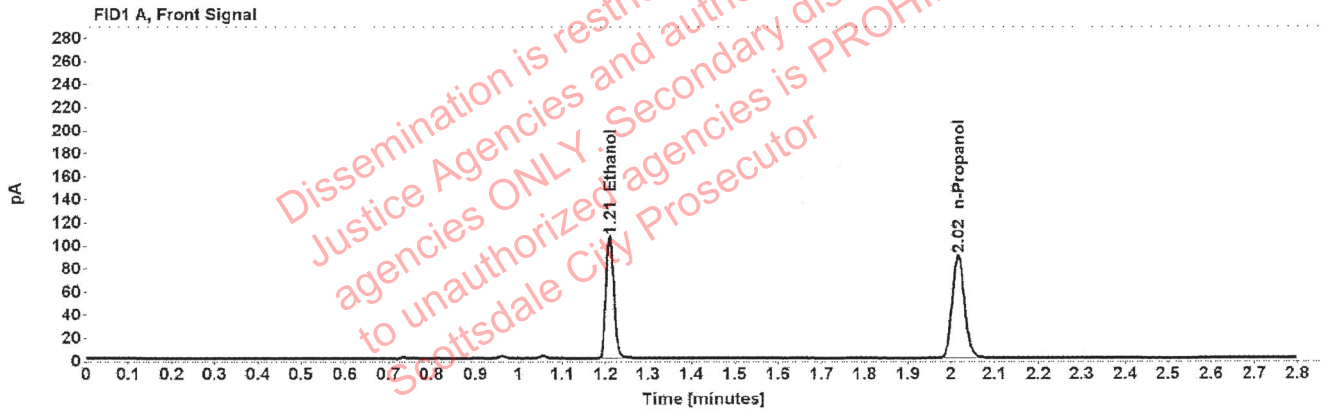


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2094	1.210	134.397
n-Propanol	-----	2.016	177.657

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

Compound	Time (min)	Peak Area
Ethanol	1.374	169.975
n-Propanol	2.466	221.883

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395448	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:16:46 AM
Data file:	C:\Chem32\1\Data\09Nov21\19.D	Analyst:	Brooke

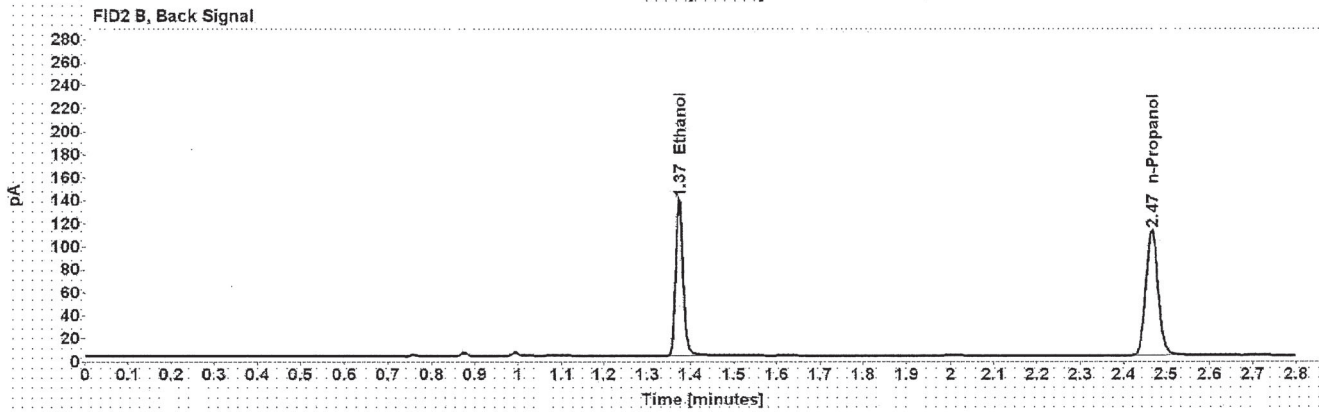
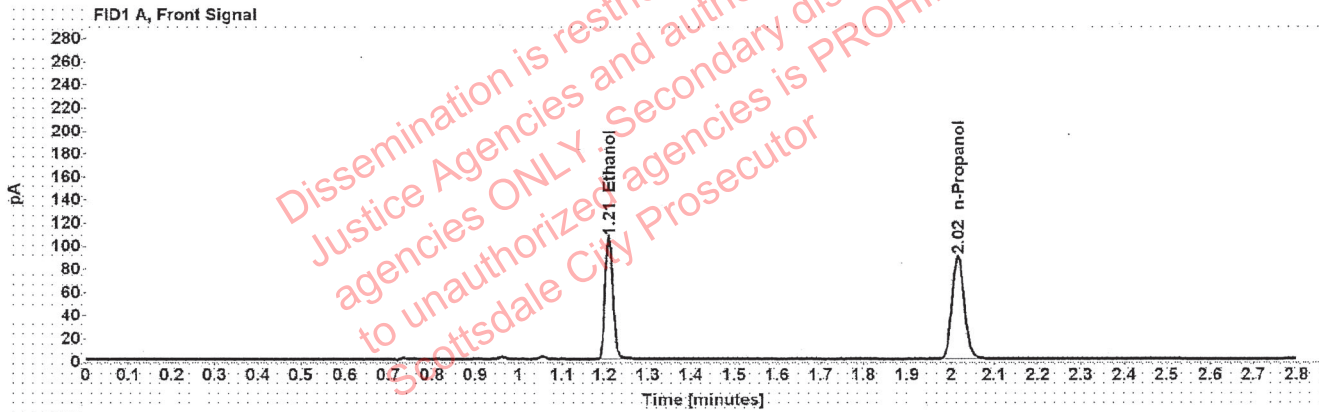


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2096	1.210	133.464
n-Propanol	-----	2.016	176.261

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

Compound	Time (min)	Peak Area
Ethanol	1.374	168.795
n-Propanol	2.466	220.086

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395324	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:24:44 AM
Data file:	C:\Chem32\1\Data\09Nov21\21.D	Analyst:	Brooke

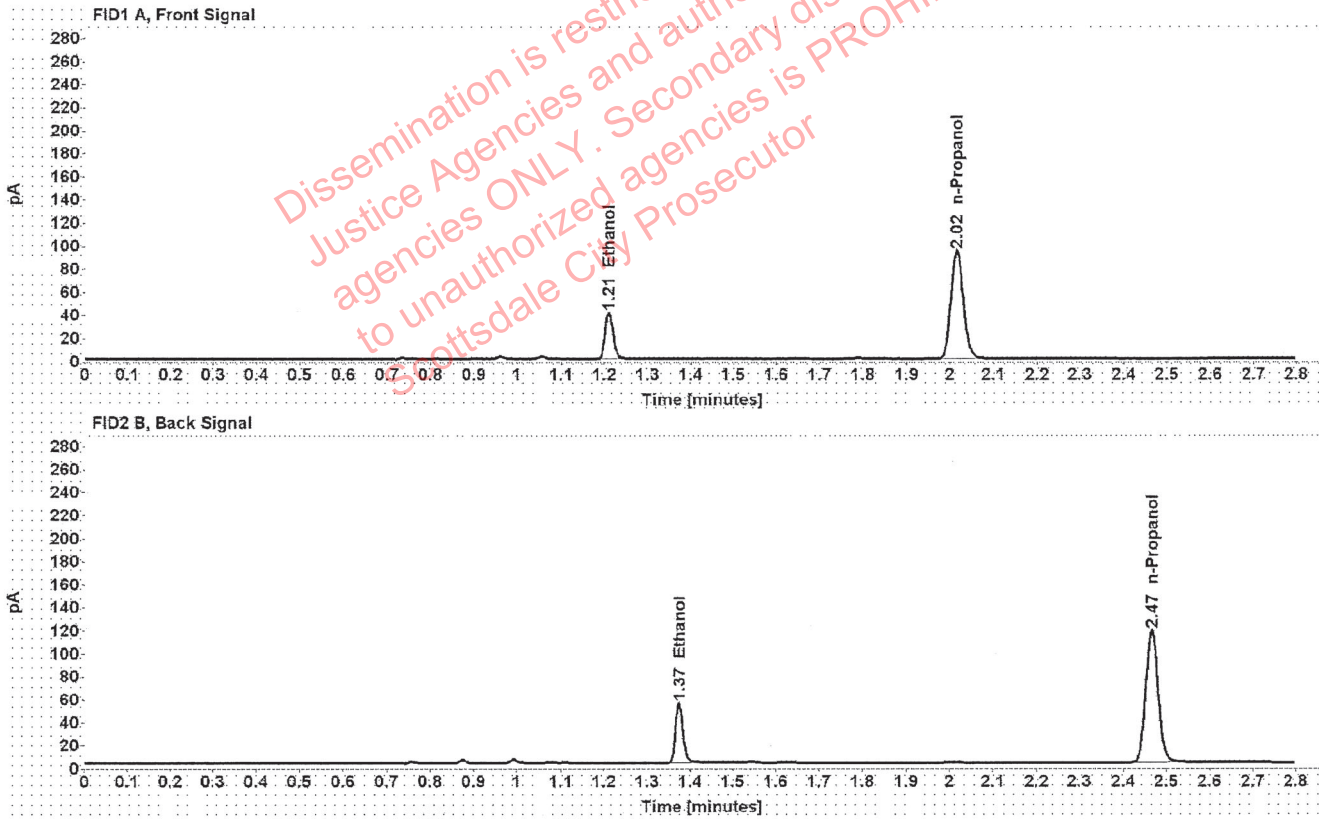


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0771	1.211	51.395
n-Propanol	-----	2.016	186.189

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

Compound	Time (min)	Peak Area
Ethanol	1.374	64.045
n-Propanol	2.466	232.991

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395324	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:28:45 AM
Data file:	C:\Chem32\1\Data\09Nov21\22.D	Analyst:	Brooke

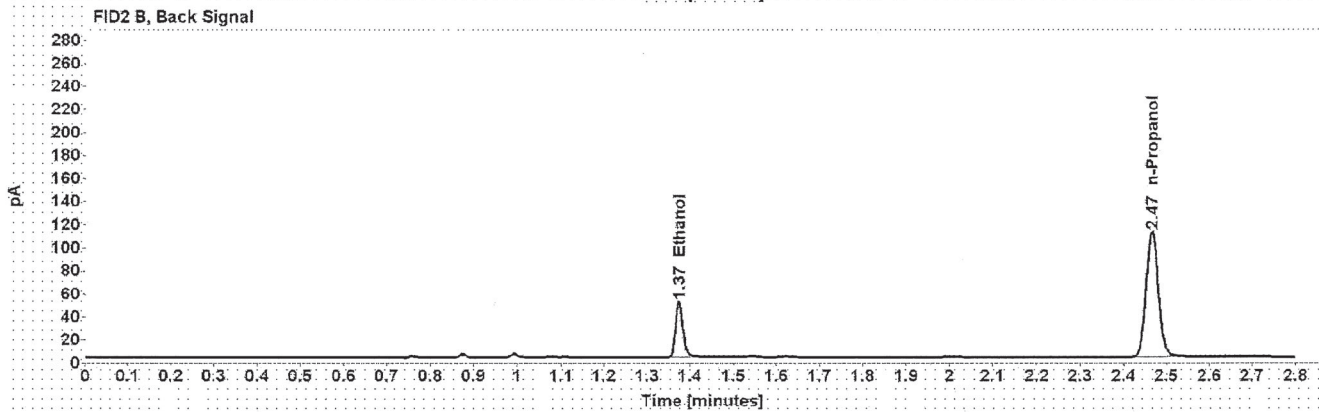
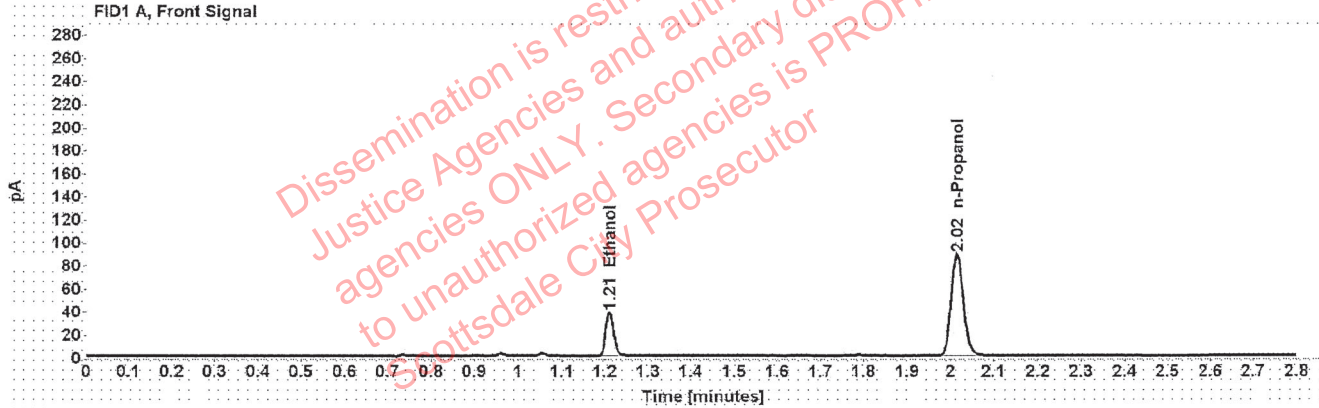


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0762	1.211	47.830
n-Propanol	-----	2.016	175.333

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

Compound	Time (min)	Peak Area
Ethanol	1.374	59.634
n-Propanol	2.466	219.568



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395329	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:32:45 AM
Data file:	C:\Chem32\1\Data\09Nov21\23.D	Analyst:	Brooke

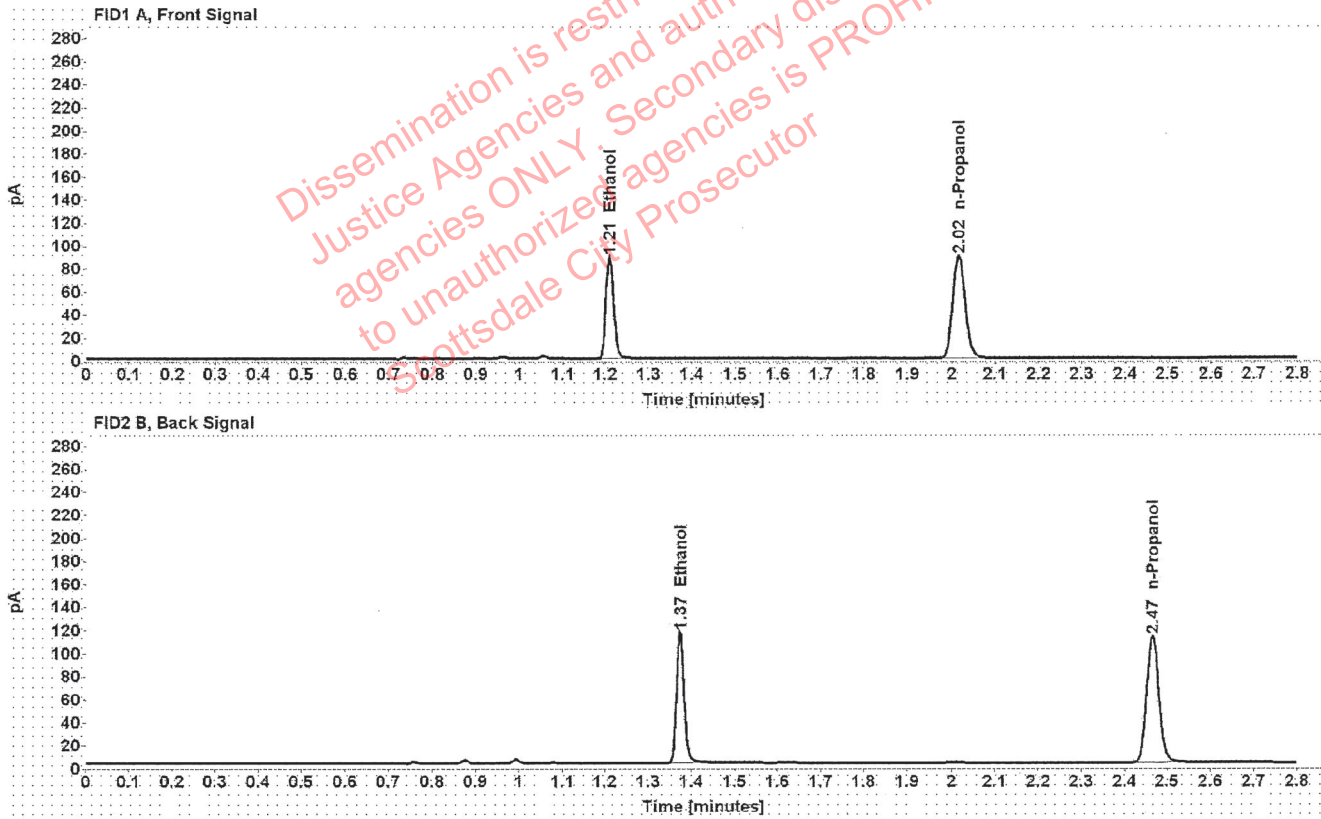


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1742	1.210	111.596
n-Propanol	-----	2.016	177.506

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

Compound	Time (min)	Peak Area
Ethanol	1.374	140.215
n-Propanol	2.466	221.774

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395329	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:36:45 AM
Data file:	C:\Chem32\1\Data\09Nov21\24.D	Analyst:	Brooke

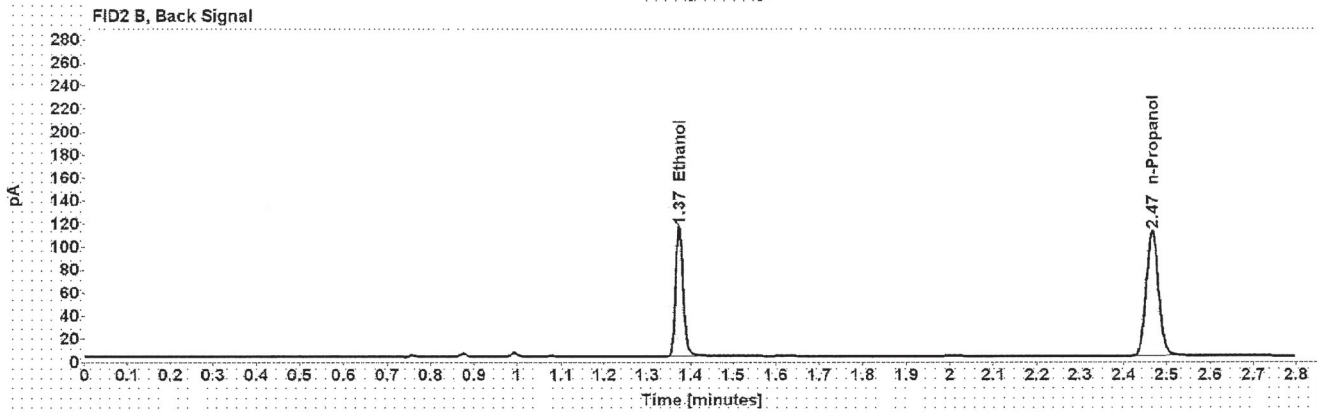
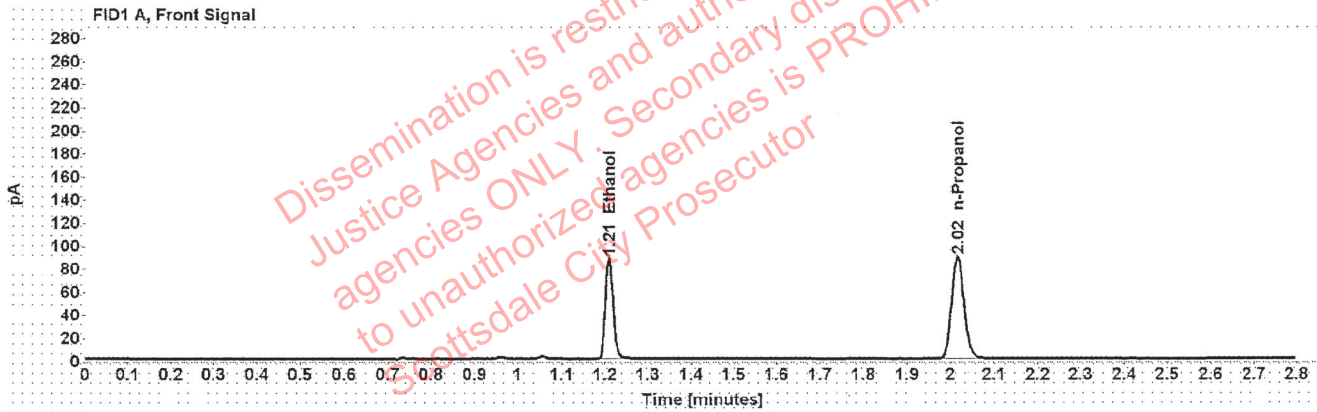


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1742	1.210	110.484
n-Propanol	-----	2.016	175.754

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

Compound	Time (min)	Peak Area
Ethanol	1.374	140.172
n-Propanol	2.466	219.659

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701SC	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:40:59 AM
Data file:	C:\Chem32\1\Data\09Nov21\25.D	Analyst:	Brooke

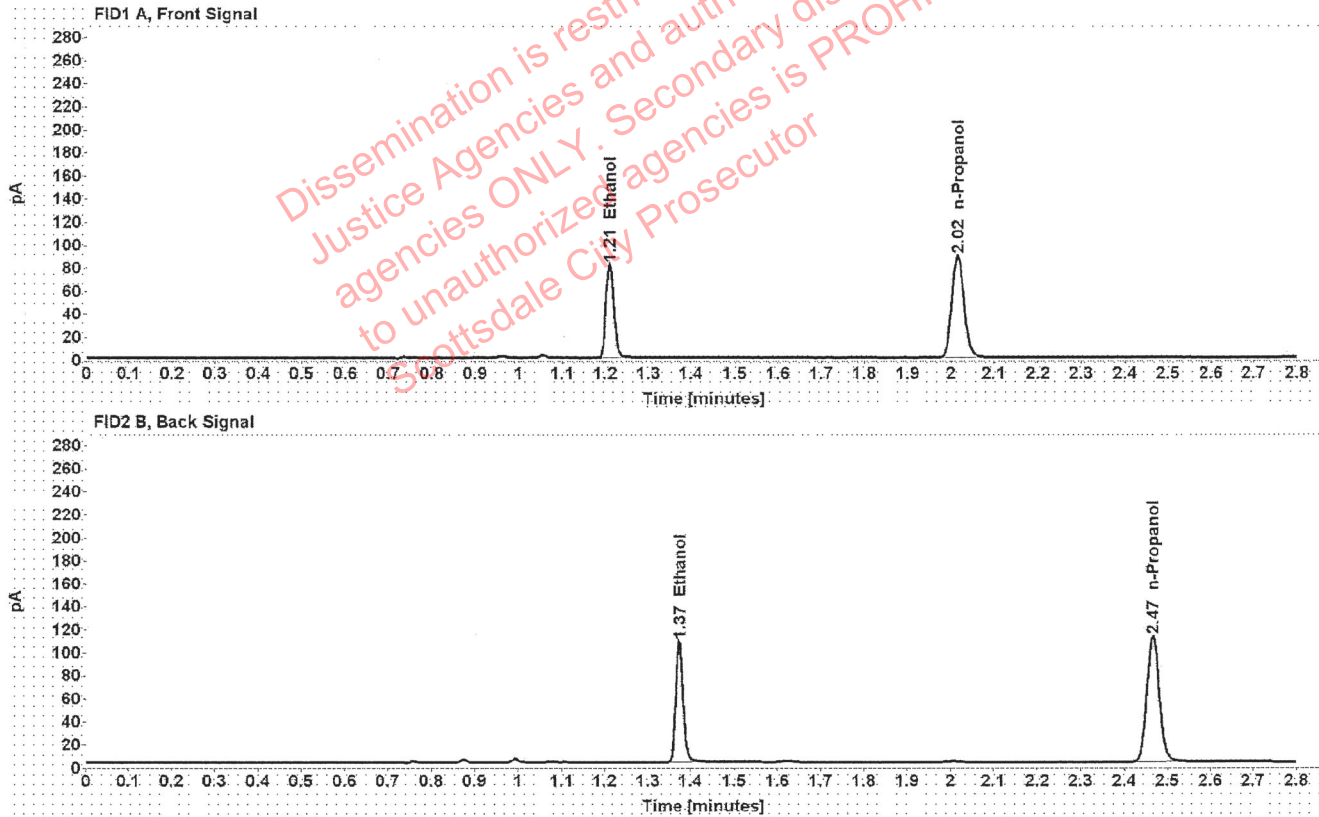


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1630	1.210	103.533
n-Propanol	-----	2.016	176.050

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.877
n-Propanol	2.466	220.394

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701SC	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:44:59 AM
Data file:	C:\Chem32\1\Data\09Nov21\26.D	Analyst:	Brooke

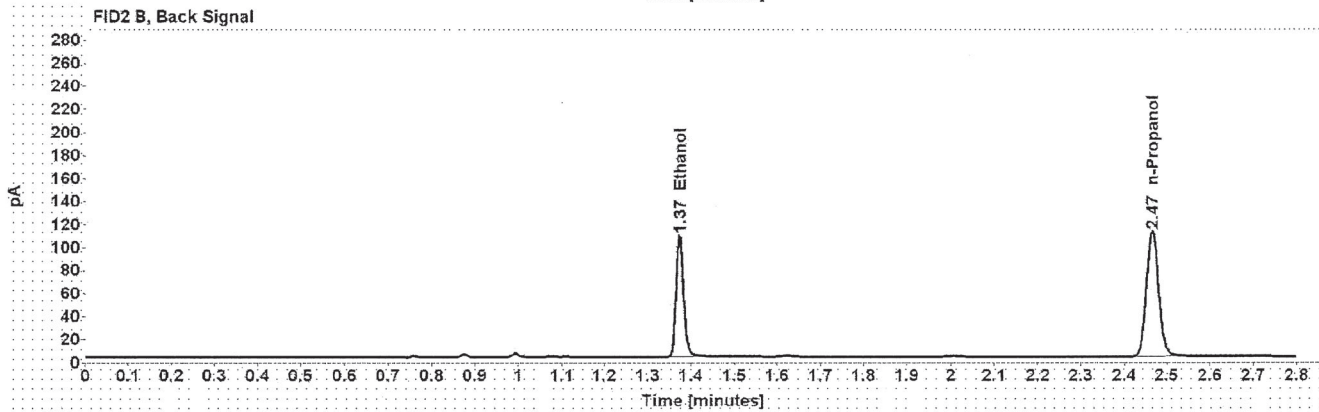
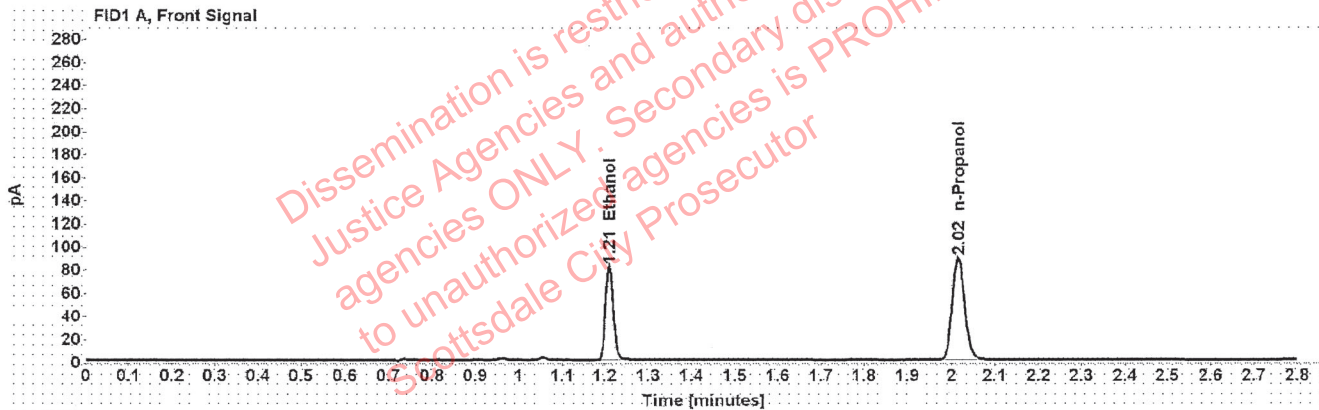


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1634	1.210	103.491
n-Propanol	-----	2.016	175.591

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.980
n-Propanol	2.466	219.995

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701CW	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:48:59 AM
Data file:	C:\Chem32\1\Data\09Nov21\27.D	Analyst:	Brooke

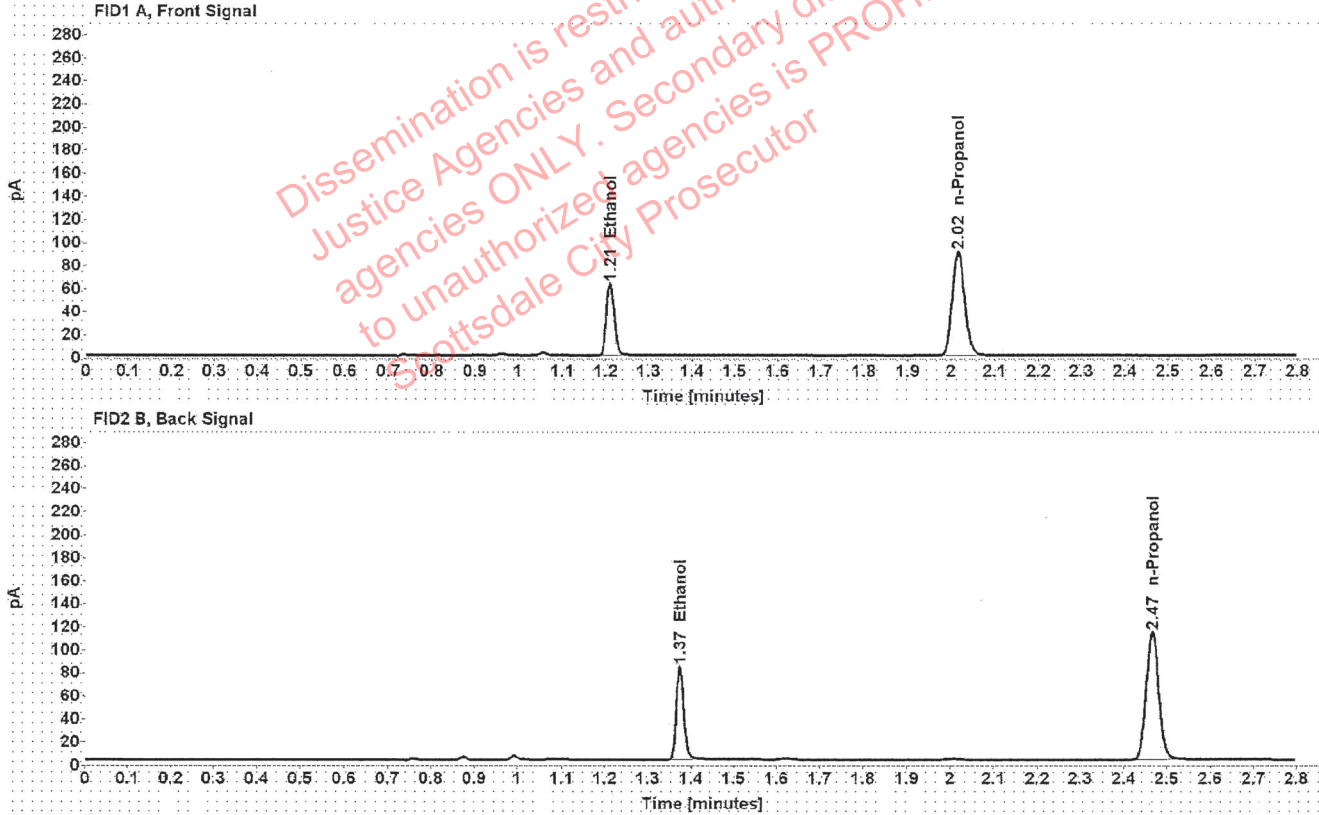


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1235	1.210	79.658
n-Propanol	-----	2.016	179.096

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

Compound	Time (min)	Peak Area
Ethanol	1.374	99.780
n-Propanol	2.466	224.448

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701CW	Vial:	28
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:53:00 AM
Data file:	C:\Chem32\1\Data\09Nov21\28.D	Analyst:	Brooke

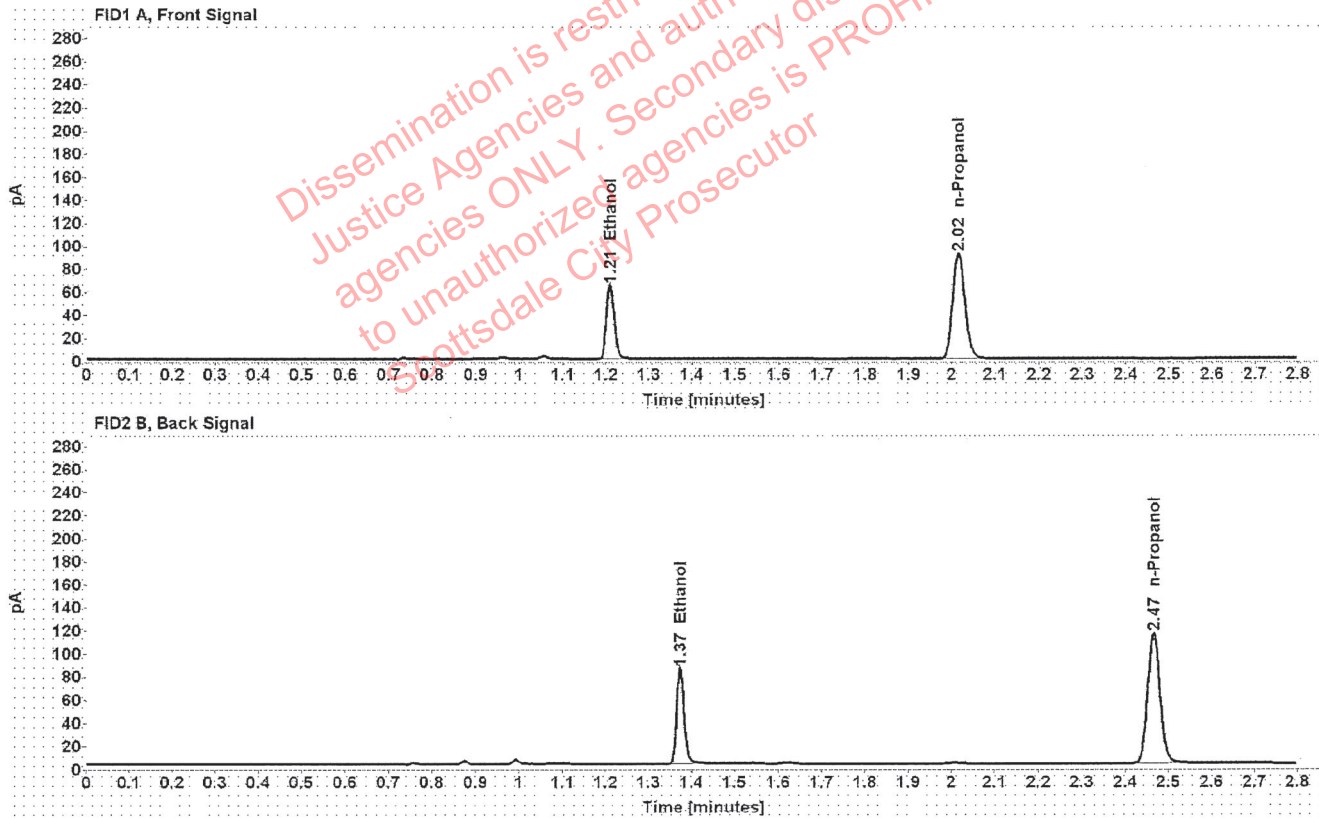


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1244	1.210	81.216
n-Propanol	-----	2.016	181.370

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

Compound	Time (min)	Peak Area
Ethanol	1.374	101.791
n-Propanol	2.466	227.386

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	27401EP	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 10:57:00 AM
Data file:	C:\Chem32\1\Data\09Nov21\29.D	Analyst:	Brooke

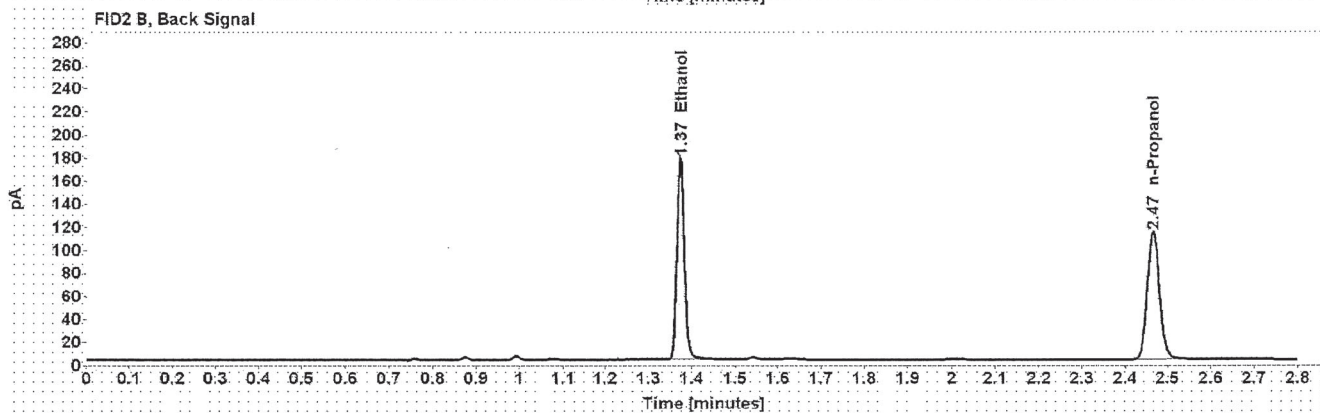
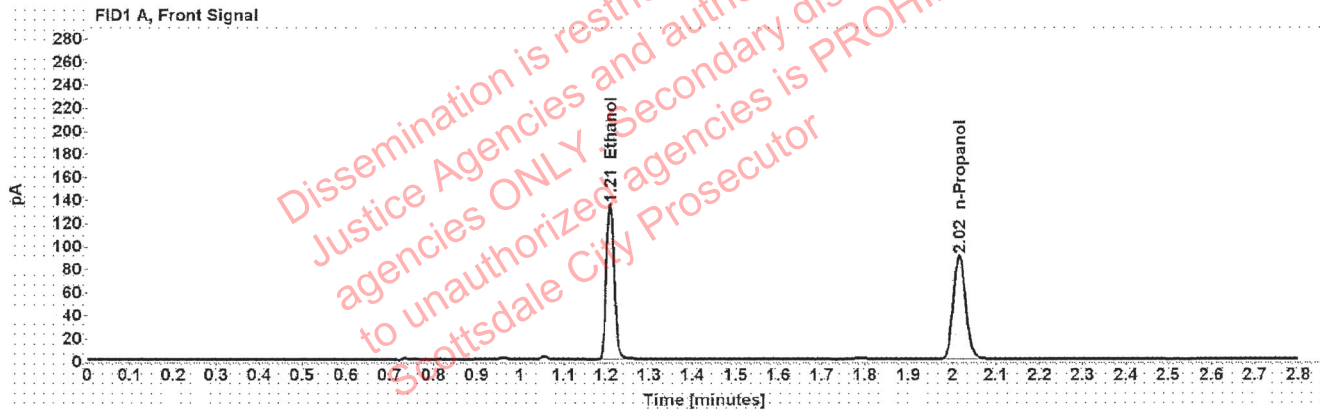


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2642	1.209	170.825
n-Propanol	-----	2.016	178.763

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

Compound	Time (min)	Peak Area
Ethanol	1.373	216.555
n-Propanol	2.466	223.776

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	27401EP	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:01:00 AM
Data file:	C:\Chem32\1\Data\09Nov21\30.D	Analyst:	Brooke

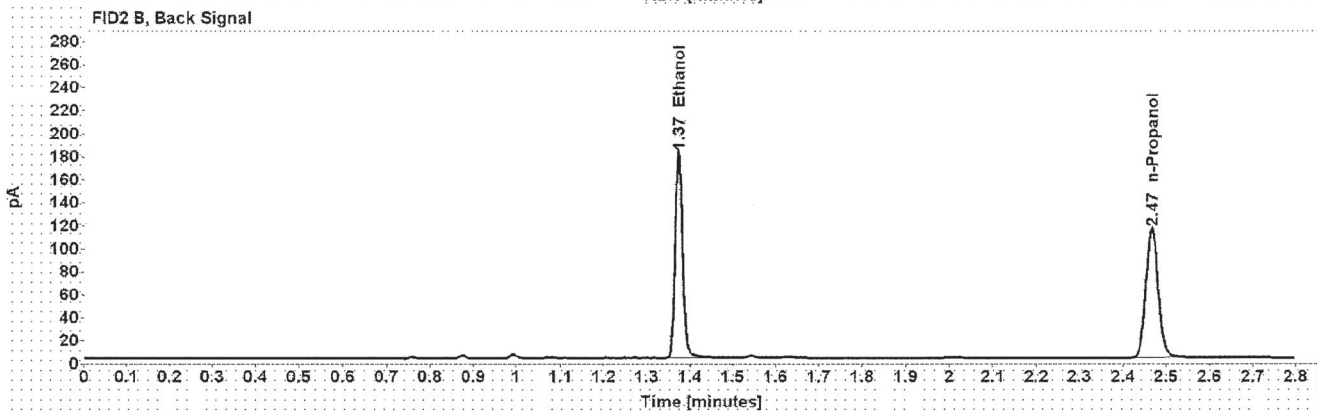
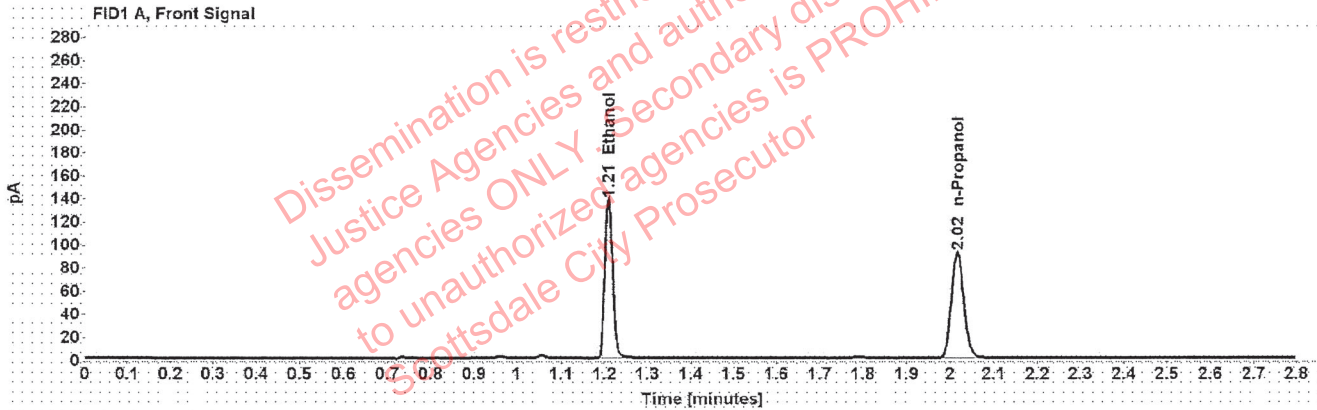


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2656	1.210	174.459
n-Propanol	-----	2.016	181.606

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

Compound	Time (min)	Peak Area
Ethanol	1.374	220.882
n-Propanol	2.466	227.216



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701MQ	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:09:15 AM
Data file:	C:\Chem32\1\Data\09Nov21\32.D	Analyst:	Brooke

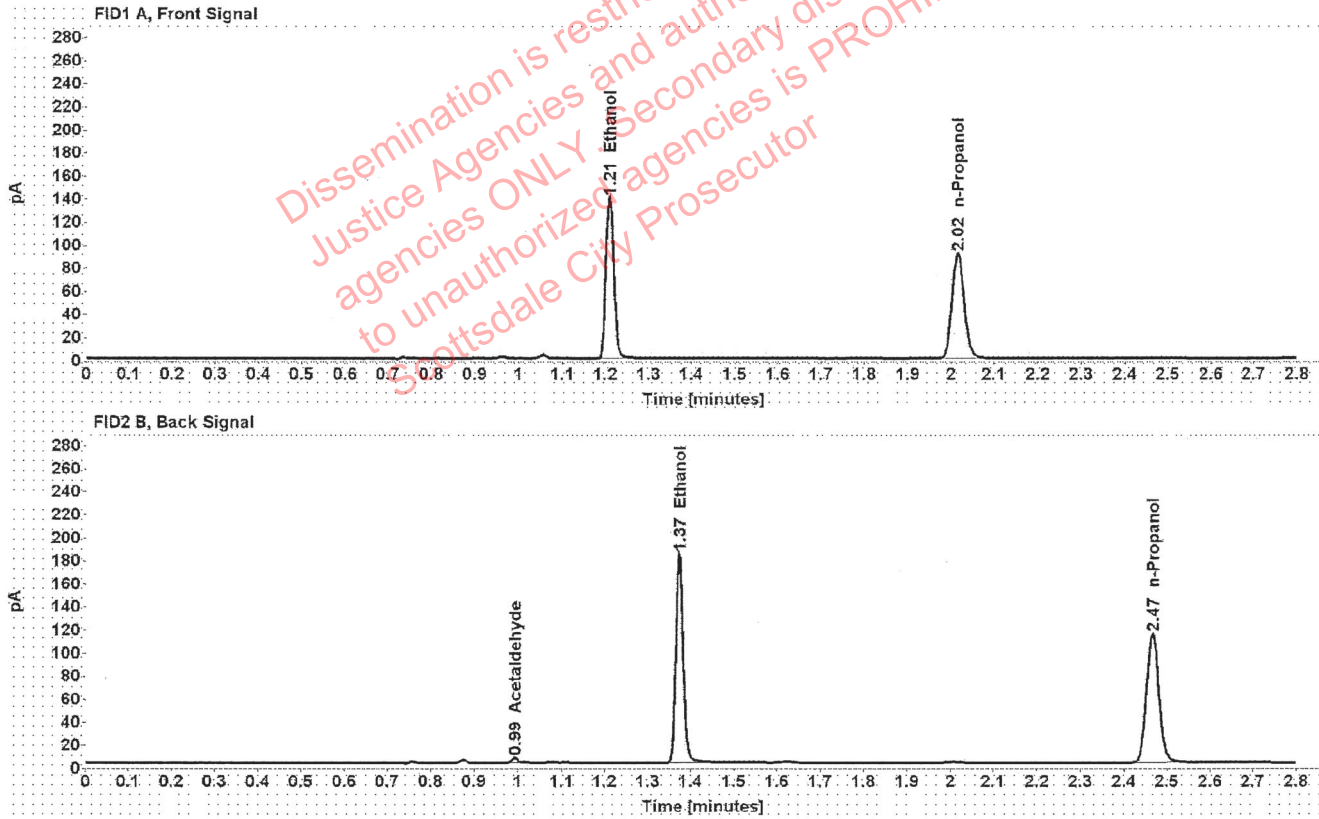


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2709	1.210	176.893
n-Propanol	-----	2.016	180.529

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.024
Ethanol	1.374	224.335
n-Propanol	2.466	226.443

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701MQ	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:13:14 AM
Data file:	C:\Chem32\1\Data\09Nov21\33.D	Analyst:	Brooke

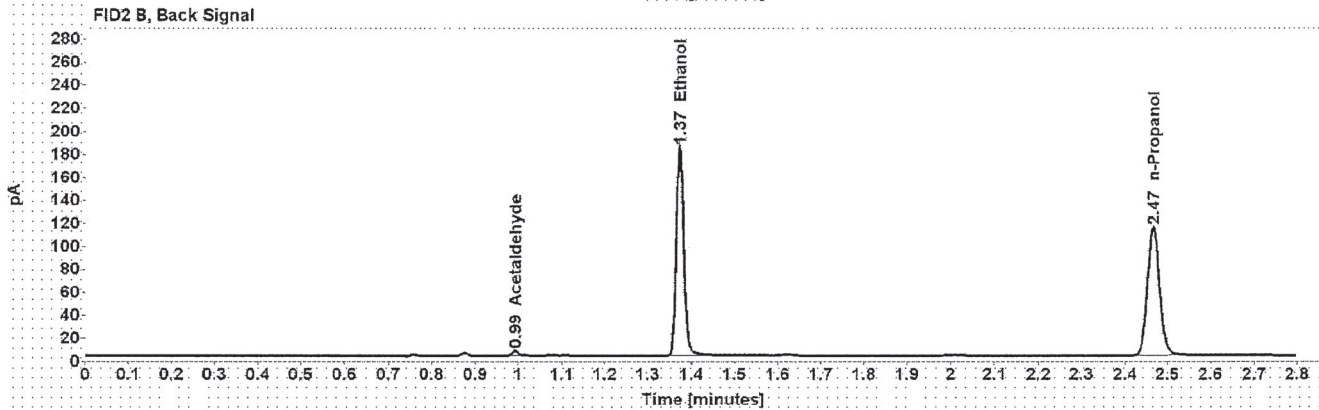
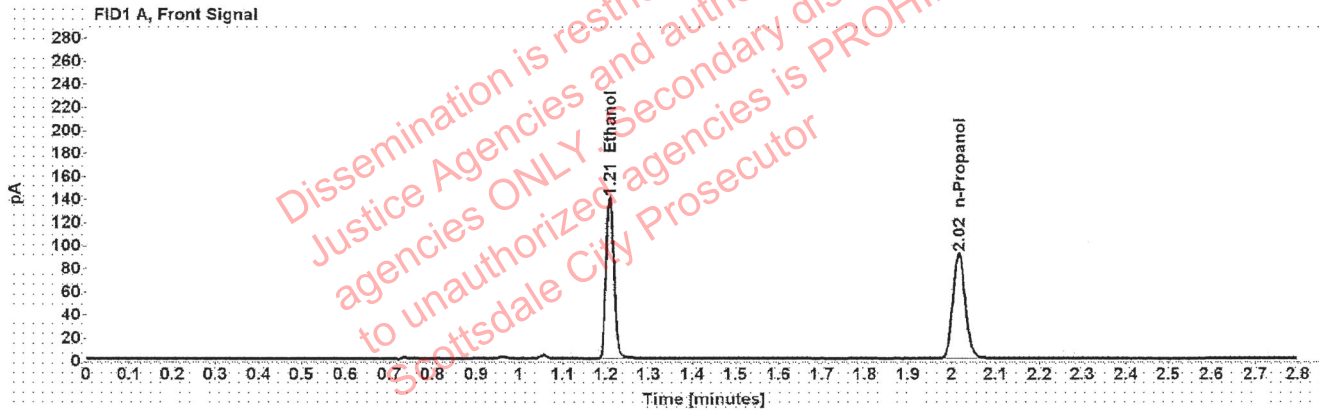


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2709	1.210	176.953
n-Propanol	-----	2.016	180.565

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.042
Ethanol	1.374	224.290
n-Propanol	2.466	226.299

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38001JW	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:17:15 AM
Data file:	C:\Chem32\1\Data\09Nov21\34.D	Analyst:	Brooke

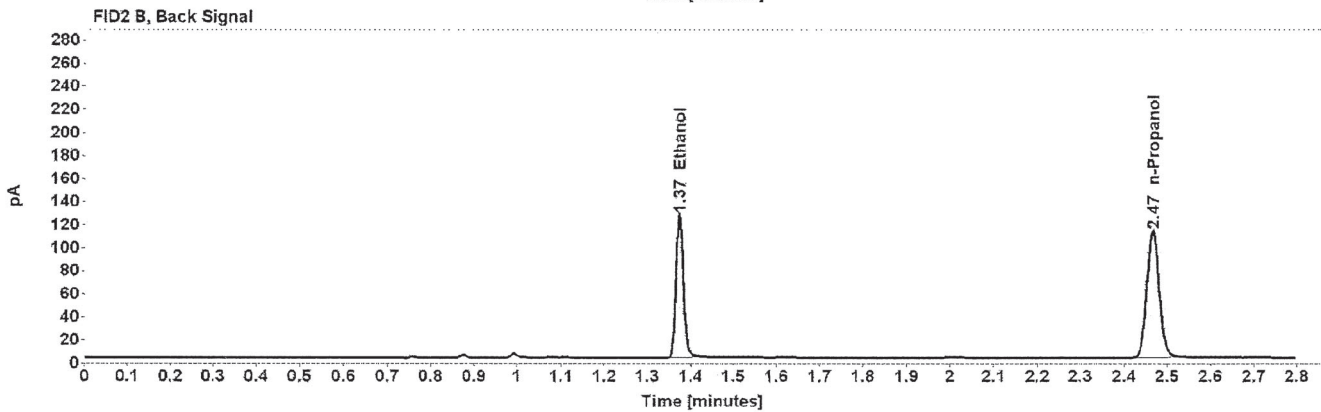
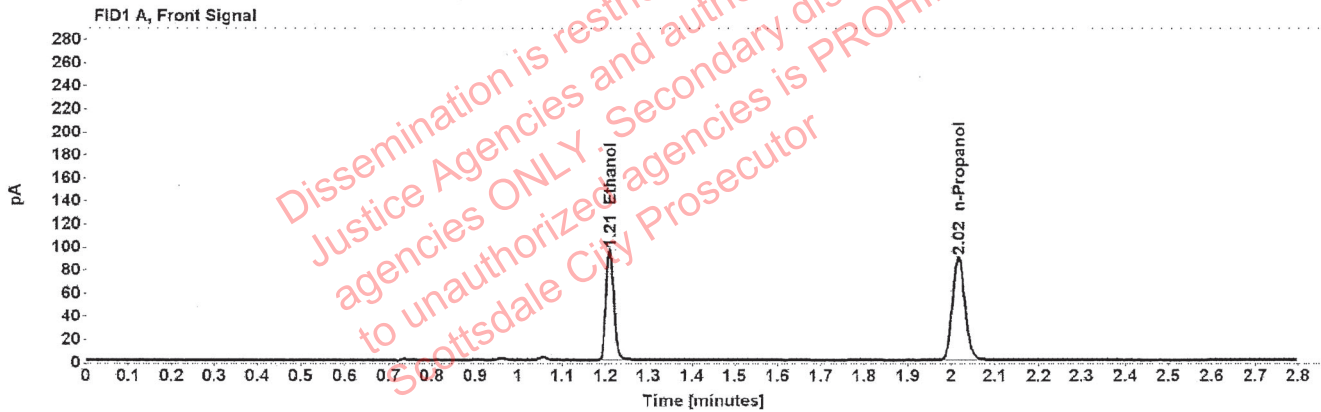


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1896	1.210	121.409
n-Propanol	-----	2.016	177.367

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

Compound	Time (min)	Peak Area
Ethanol	1.374	152.585
n-Propanol	2.466	222.187

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38001JW	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:21:14 AM
Data file:	C:\Chem32\1\Data\09Nov21\35.D	Analyst:	Brooke

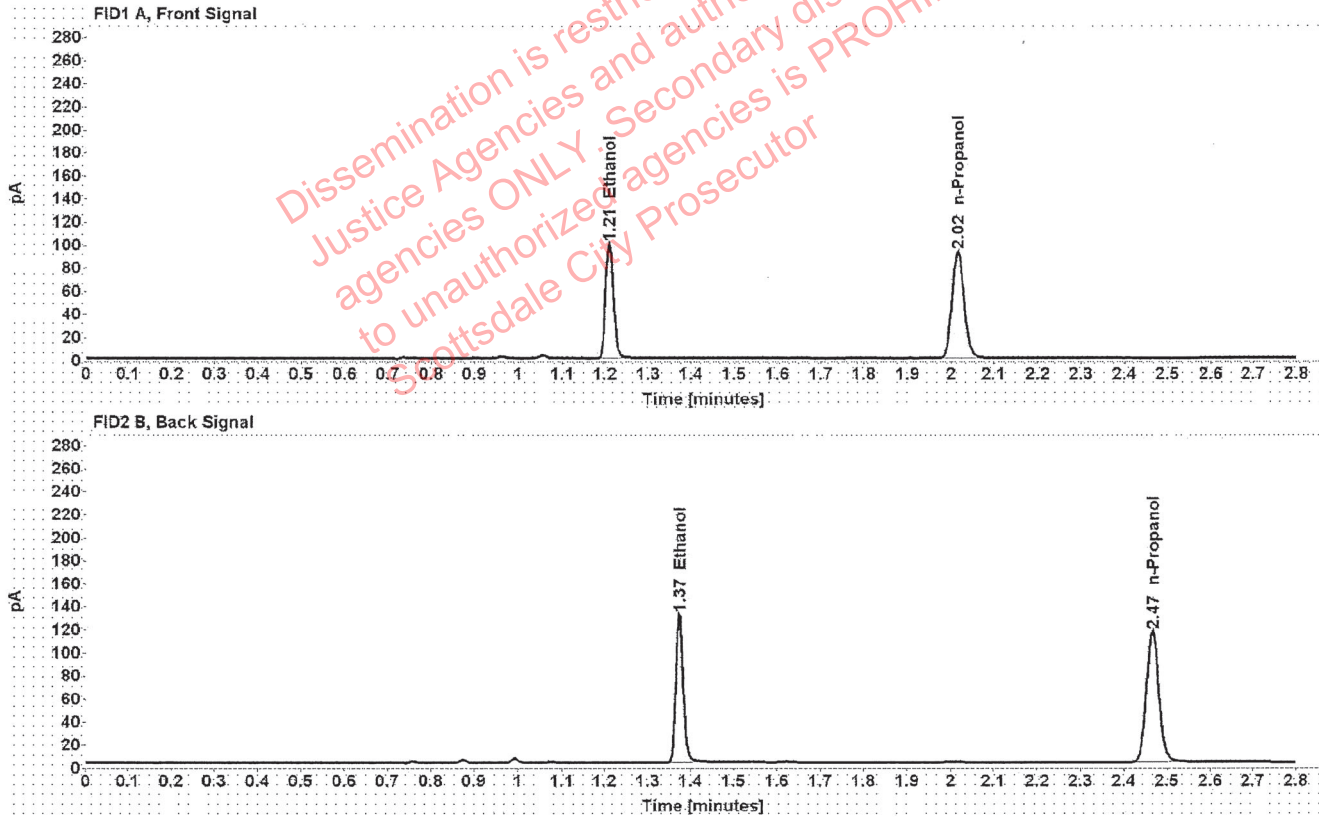


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1904	1.210	125.912
n-Propanol	-----	2.016	183.100

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

Compound	Time (min)	Peak Area
Ethanol	1.374	158.305
n-Propanol	2.466	229.150

Case: [REDACTED]: Brooke, Phillip - (09-Nov-2021)

User: pbrooke 11/9/2021

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JA	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:25:17 AM
Data file:	C:\Chem32\1\Data\09Nov21\36.D	Analyst:	Brooke

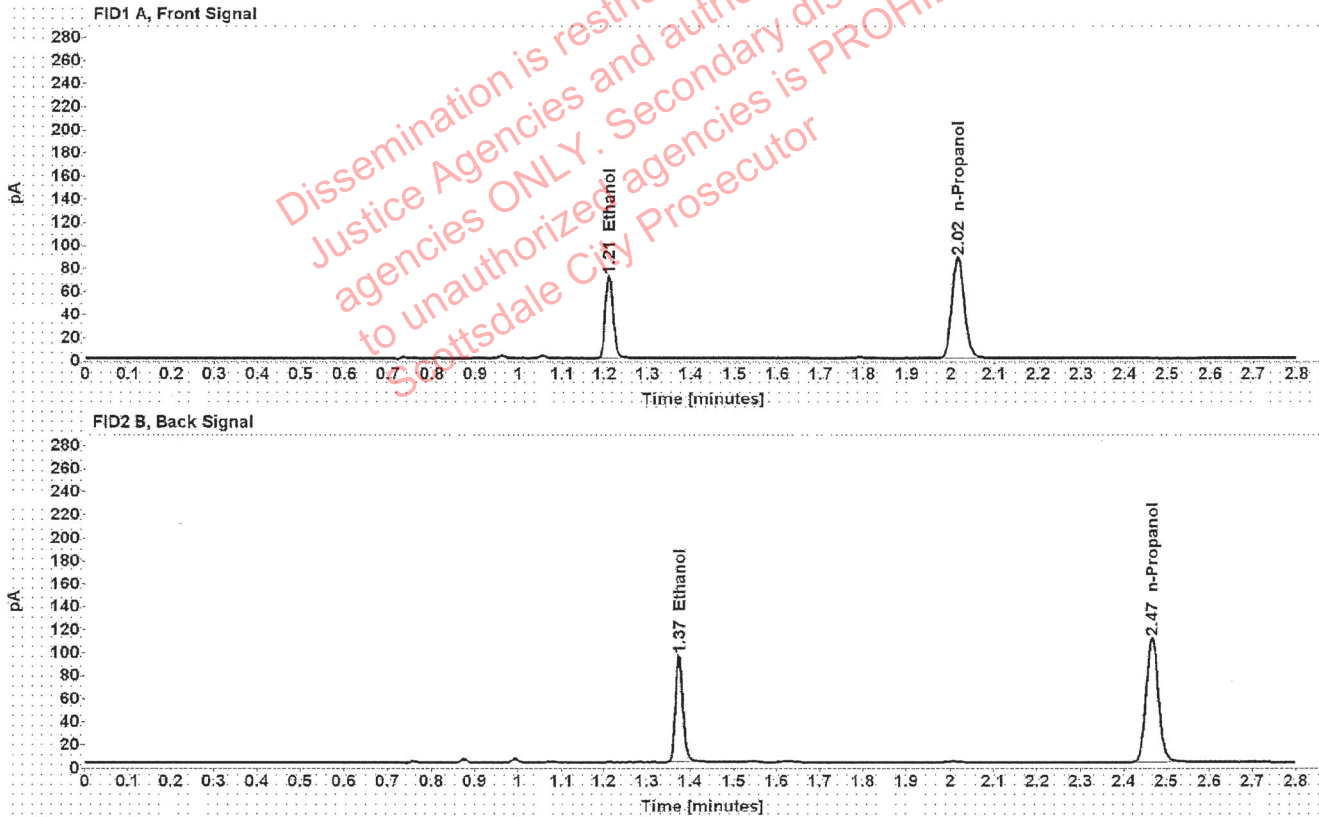


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1444	1.210	90.637
n-Propanol	-----	2.016	174.078

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.885
n-Propanol	2.466	218.041

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JA	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:29:30 AM
Data file:	C:\Chem32\1\Data\09Nov21\37.D	Analyst:	Brooke

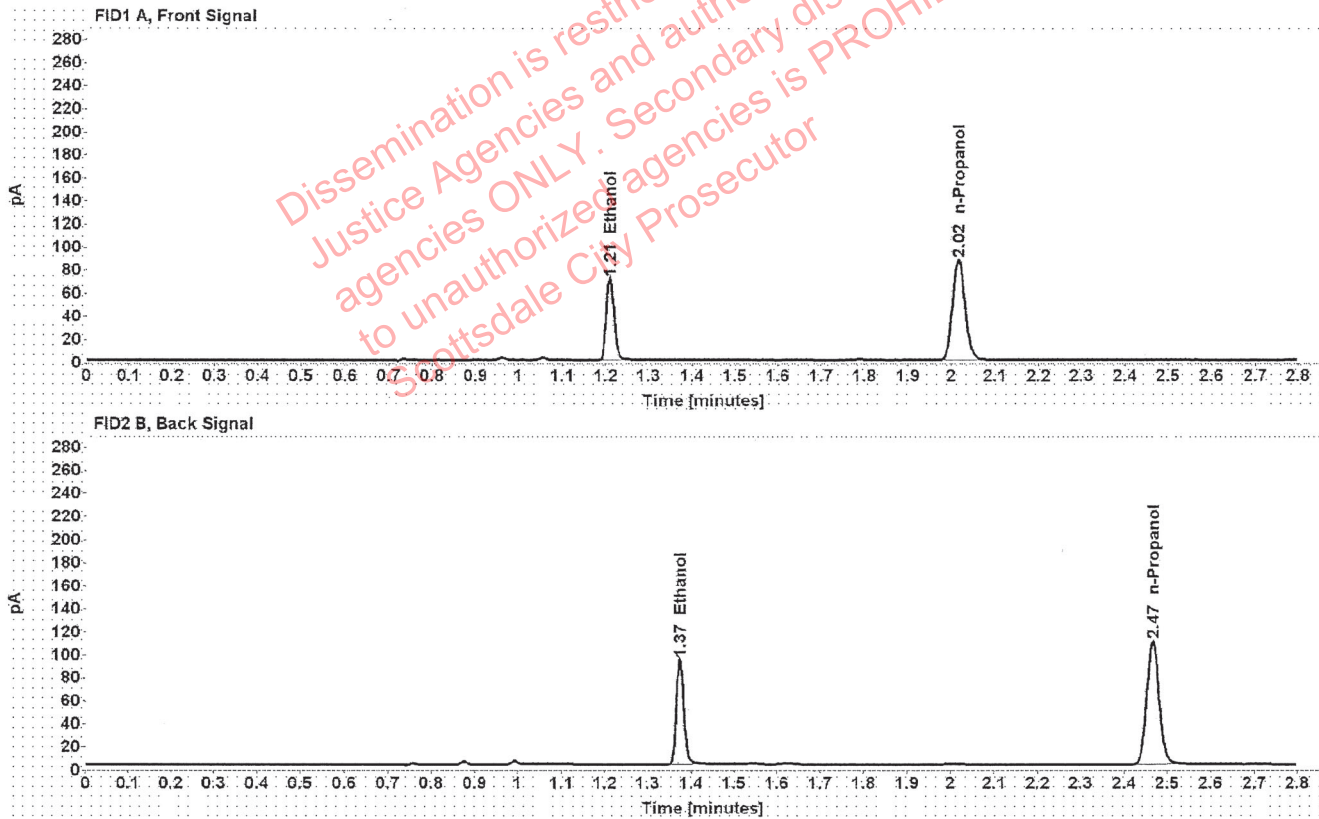


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1442	1.210	90.146
n-Propanol	-----	2.016	173.368

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.094
n-Propanol	2.466	217.074

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601AA	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:33:29 AM
Data file:	C:\Chem32\1\Data\09Nov21\38.D	Analyst:	Brooke

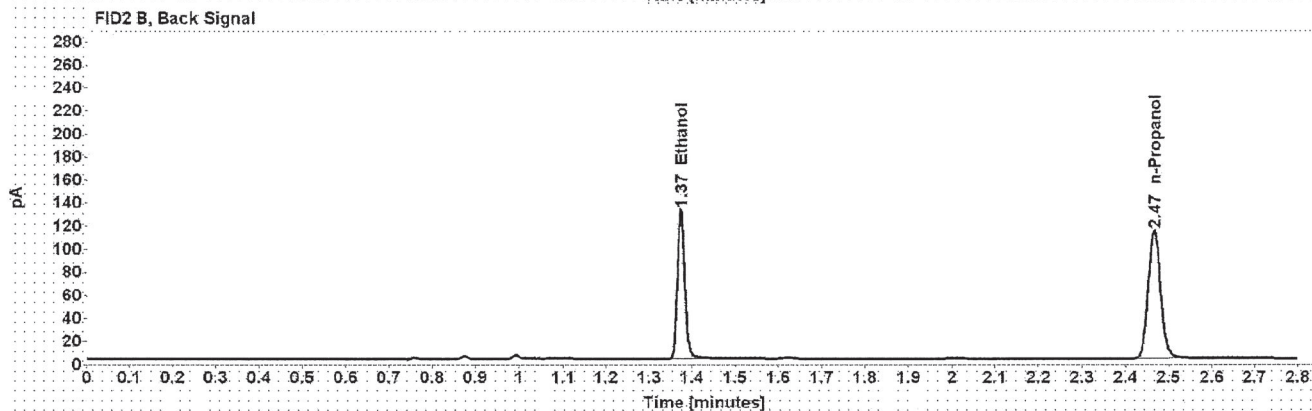
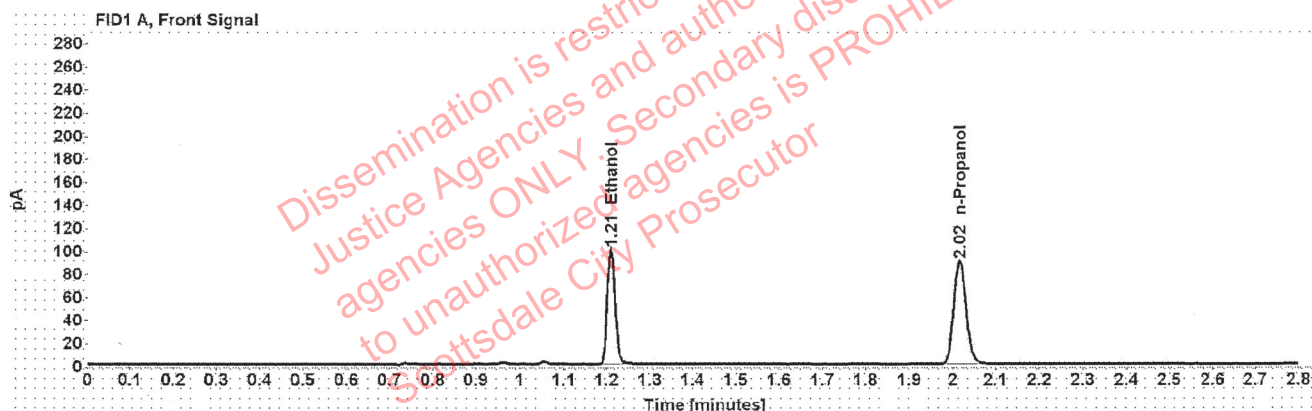


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1966	1.210	126.822
n-Propanol	-----	2.016	178.585

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.931
n-Propanol	2.466	223.934

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601AA	Vial:	39
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:37:30 AM
Data file:	C:\Chem32\1\Data\09Nov21\39.D	Analyst:	Brooke

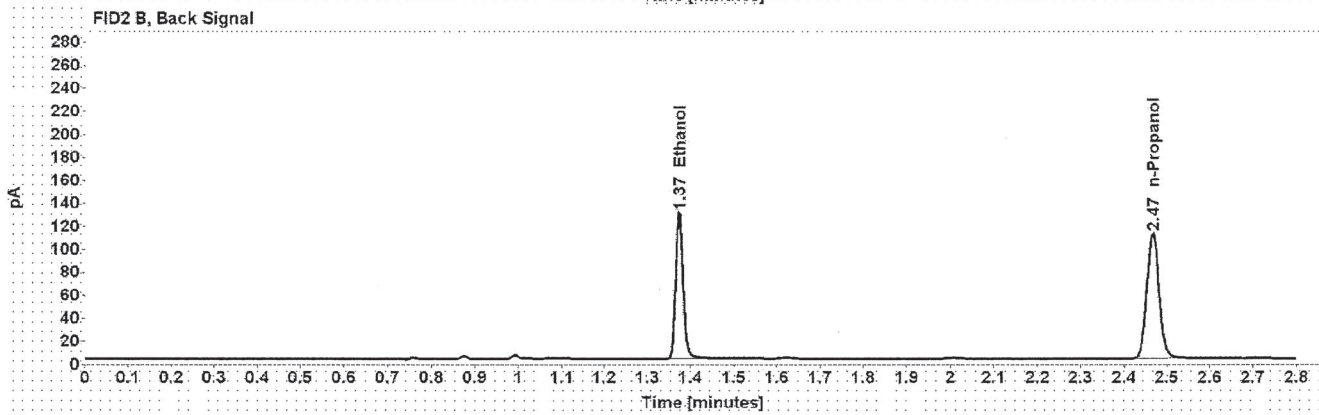
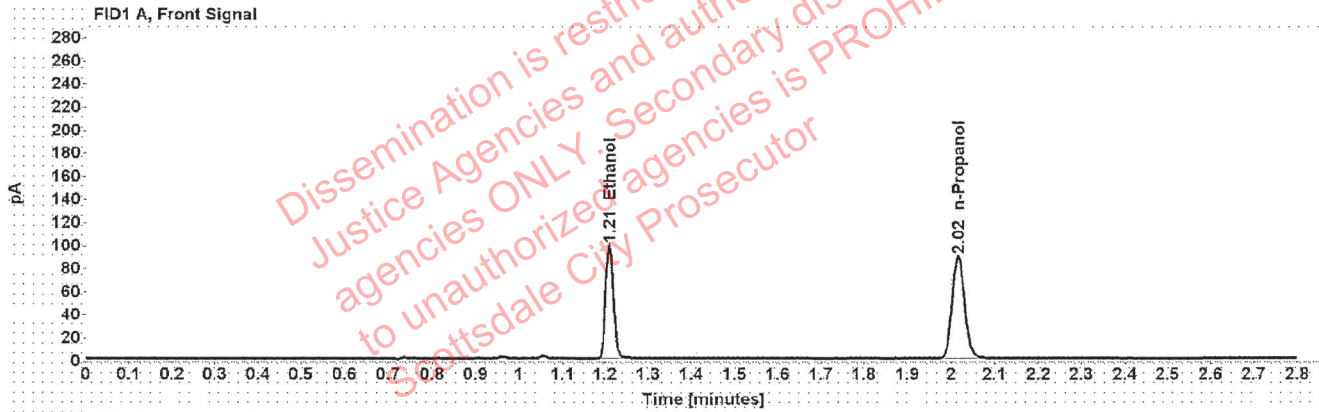


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1960	1.210	124.565
n-Propanol	-----	2.016	175.946

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

Compound	Time (min)	Peak Area
Ethanol	1.374	158.337
n-Propanol	2.466	220.762



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701SN	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:41:31 AM
Data file:	C:\Chem32\1\Data\09Nov21\40.D	Analyst:	Brooke

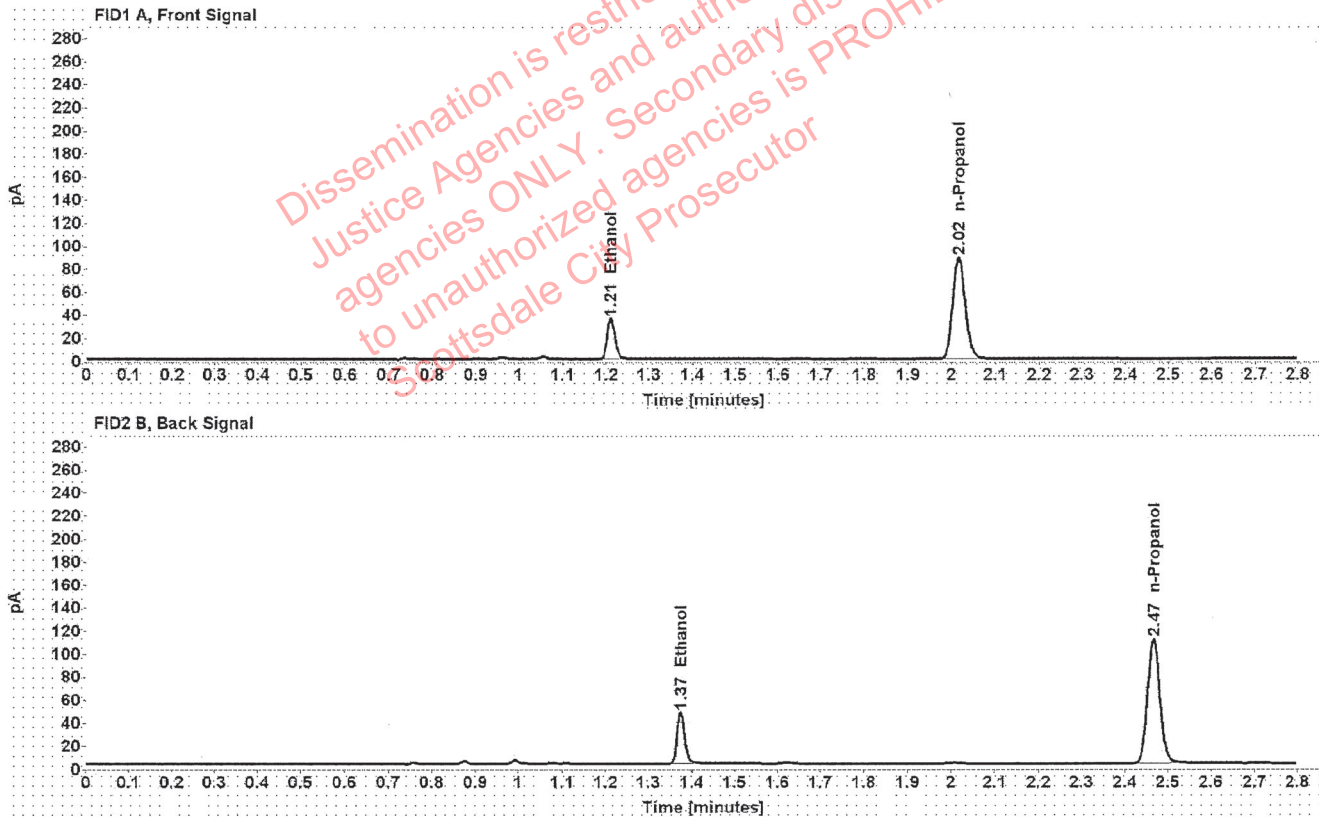


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0711	1.211	44.370
n-Propanol	-----	2.016	174.552

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

Compound	Time (min)	Peak Area
Ethanol	1.374	55.417
n-Propanol	2.466	219.178

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701SN	Vial:	41
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	09Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/9/2021 11:45:29 AM
Data file:	C:\Chem32\1\Data\09Nov21\41.D	Analyst:	Brooke

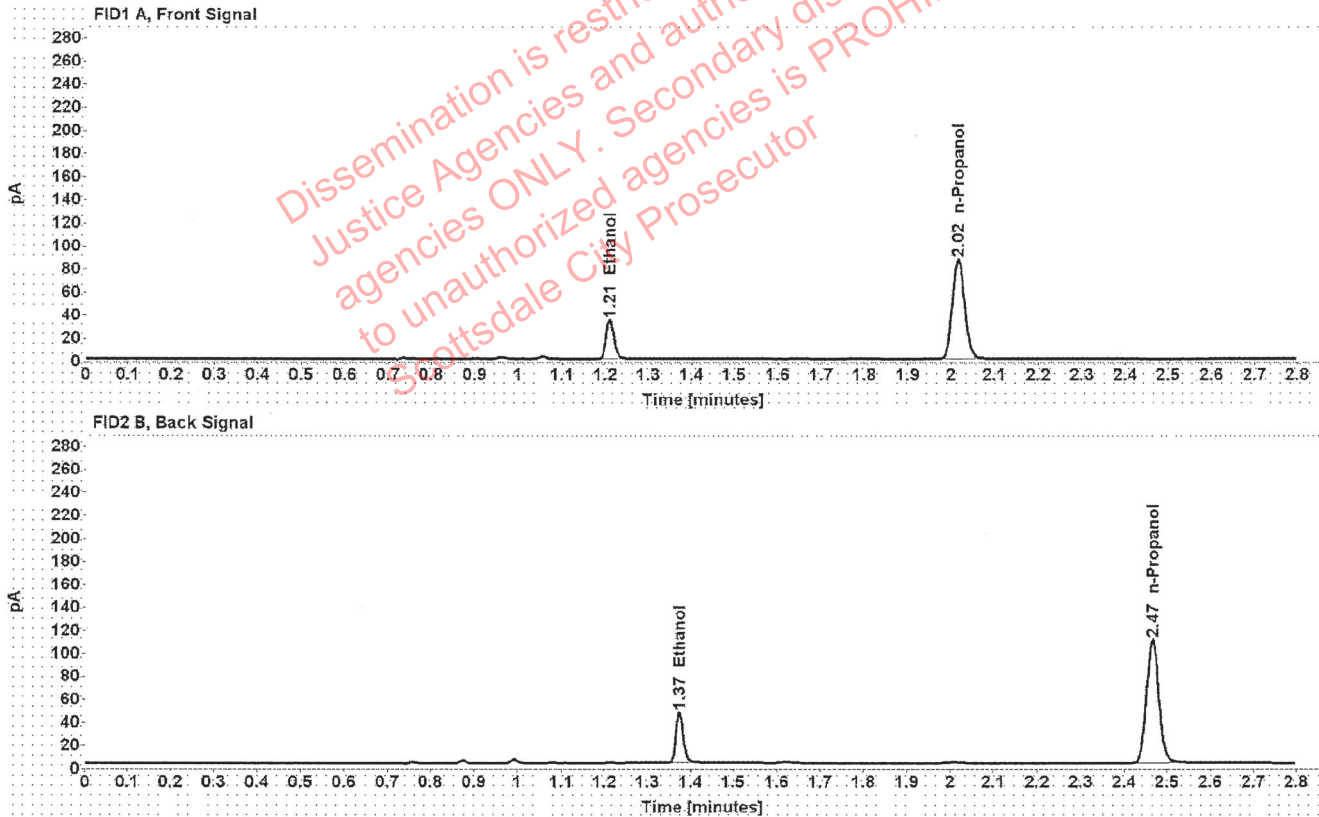


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0704	1.211	43.368
n-Propanol	-----	2.016	172.157

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

Compound	Time (min)	Peak Area
Ethanol	1.374	54.297
n-Propanol	2.466	216.130