

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 6/10/20 SEQUENCE NAME 10Jun20

### 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 0.99990  
 Vial 3 0.20 calibrator Lot FN06231704  
 Vial 4 0.40 calibrator Lot FN05131606

### CALIBRATION VERIFICATION AND RESOLUTION TEST

<u>Vial</u>	<u>Sample</u>	<u>Expected result</u>	<u>Measured result</u>	<u>Manufacturer/lot</u>
5	Blank	Not detected	Not detected	SPD lab 040720AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.395 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	0.082 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	0.397 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	0.198 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  Philip Berube Analyst  
 Run valid  Run invalid  Erika Canonico Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

18

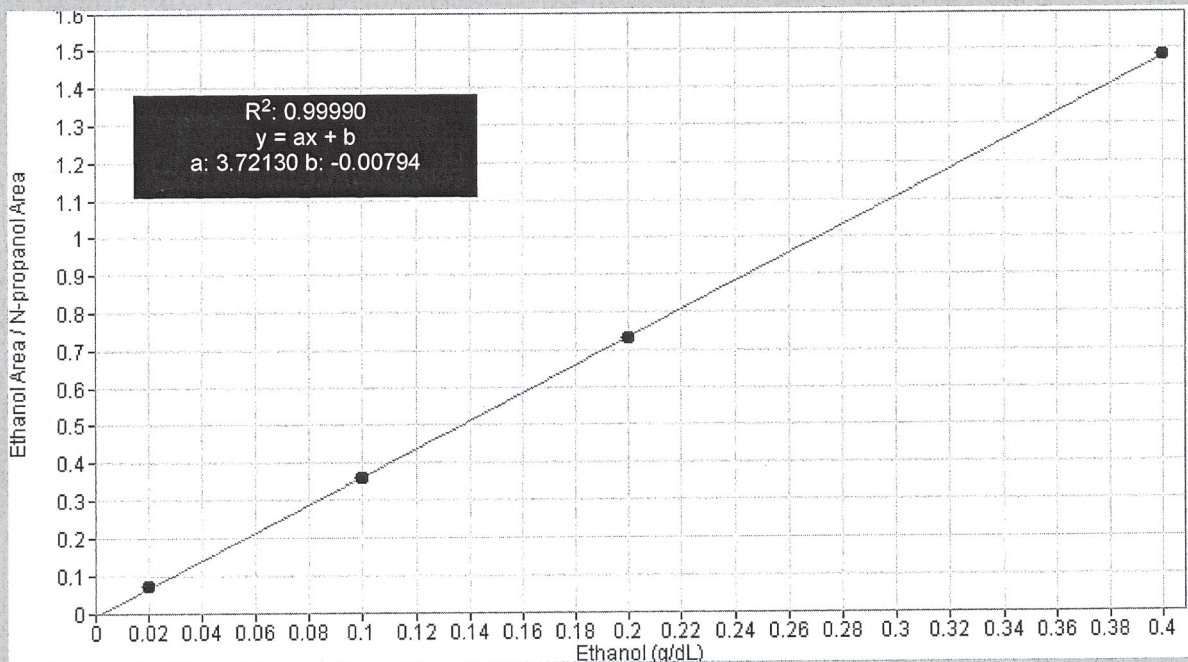
SEQUENCE NAME: 10Jun20

ANALYST: Brooke

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	0.395	0.400	1.25	-0.005
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	0.082	0.080	2.50	0.002
0.080 03102016-A/1	31	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.397	0.400	0.75	-0.003
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.198 407041529/13	44	0.198	0.198	0.00	0.000
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.751	174.576	0.073
0.100	61.922	171.978	0.360
0.200	121.436	166.331	0.730
0.400	261.700	176.299	1.484

### 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> 10Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/10/2020 3:09:46 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>PB</i>
<b>Data file:</b> C:\Chem32\1\Data\10Jun20\1.D	

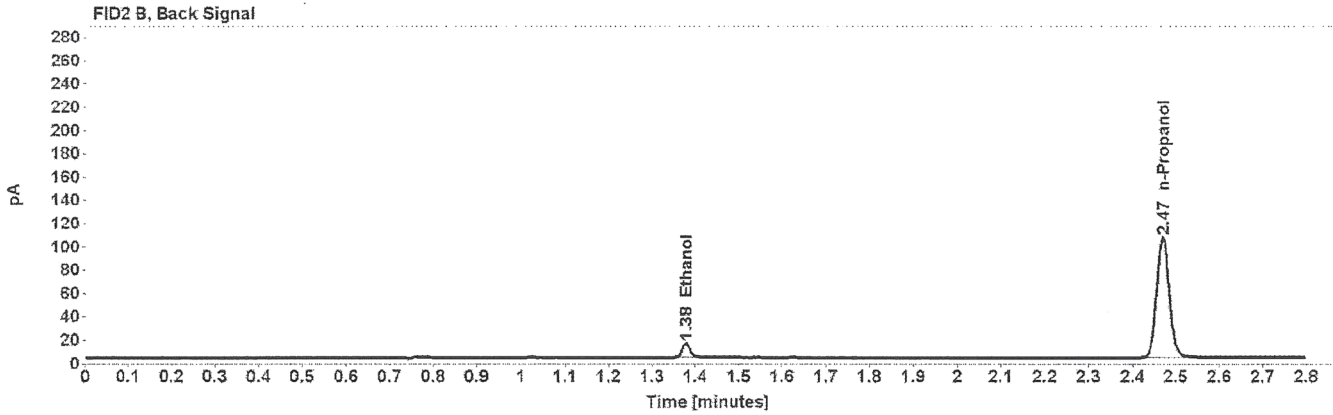
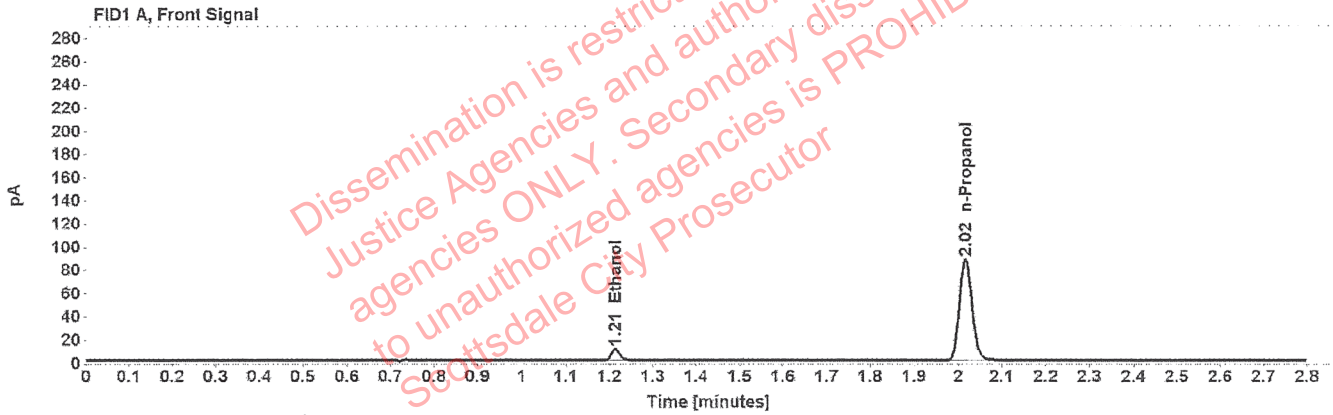


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	12.751
n-Propanol	2.017	174.576

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

Compound	Time (min)	Peak Area
Ethanol	1.378	15.806
n-Propanol	2.469	210.950

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 10Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/10/2020 3:13:46 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>YB</i>
<b>Data file:</b> C:\Chem32\1\Data\10Jun20\2.D	

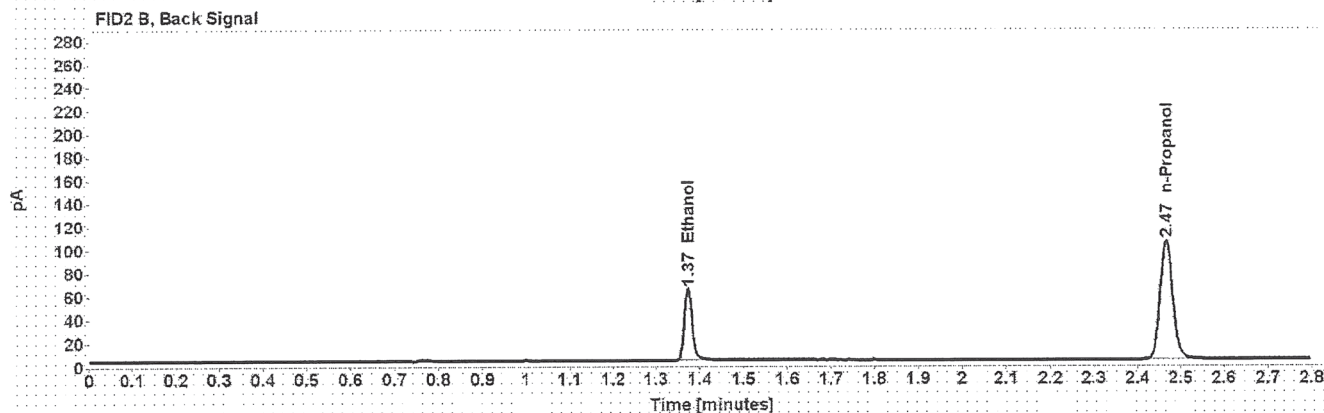
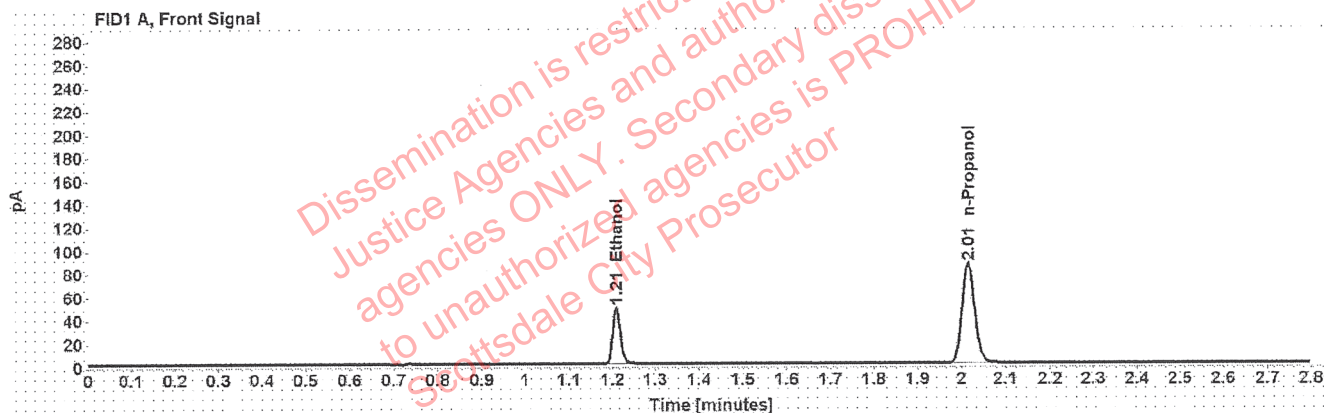


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	61.922
n-Propanol	2.015	171.978

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

Compound	Time (min)	Peak Area
Ethanol	1.373	77.270
n-Propanol	2.466	208.543

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 10Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/10/2020 3:17:46 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>BB</i>
<b>Data file:</b> C:\Chem32\1\Data\10Jun20\3.D	

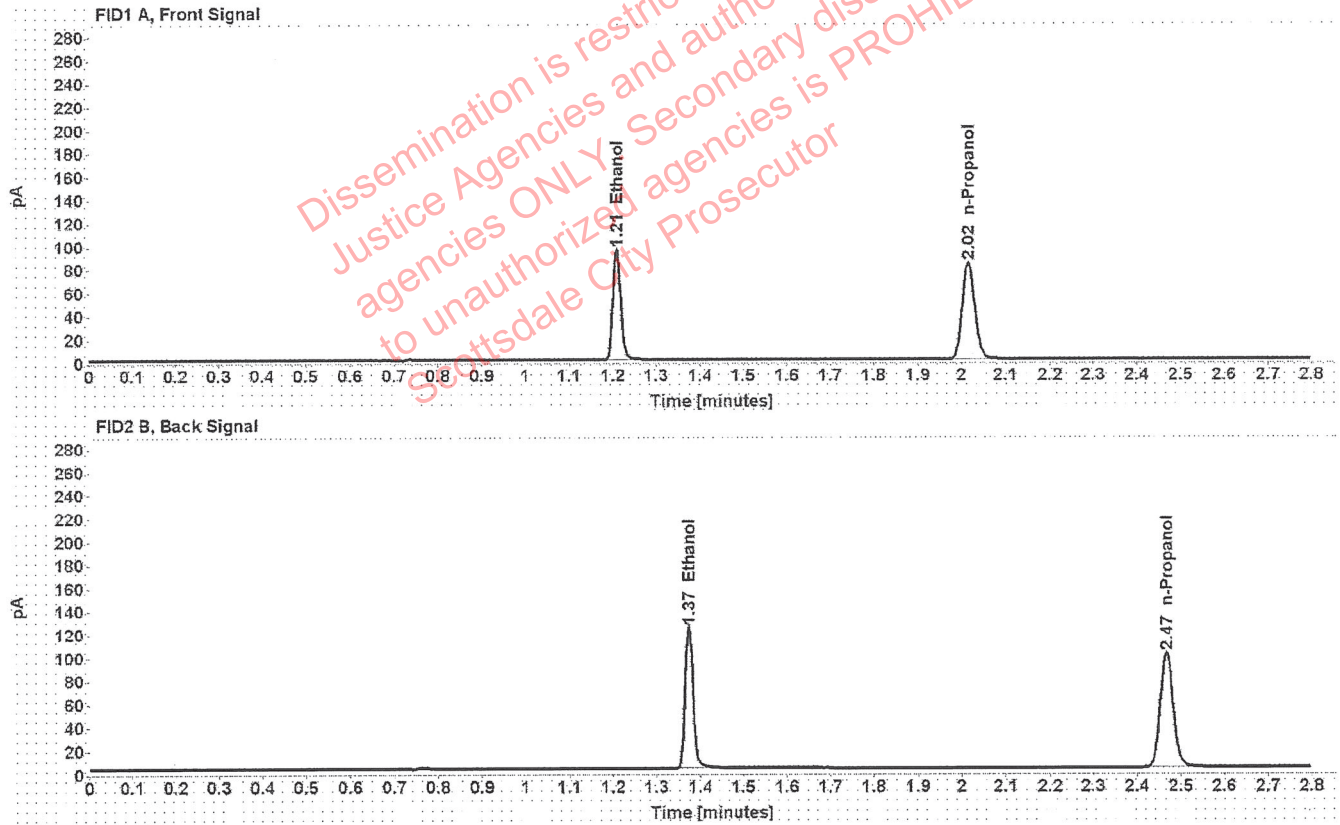


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	121.436
n-Propanol	2.015	166.331

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

Compound	Time (min)	Peak Area
Ethanol	1.373	151.952
n-Propanol	2.467	201.908

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 10Jun20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/10/2020 3:21:46 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>RB</i>
<b>Data file:</b> C:\Chem32\1\Data\10Jun20\4.D	

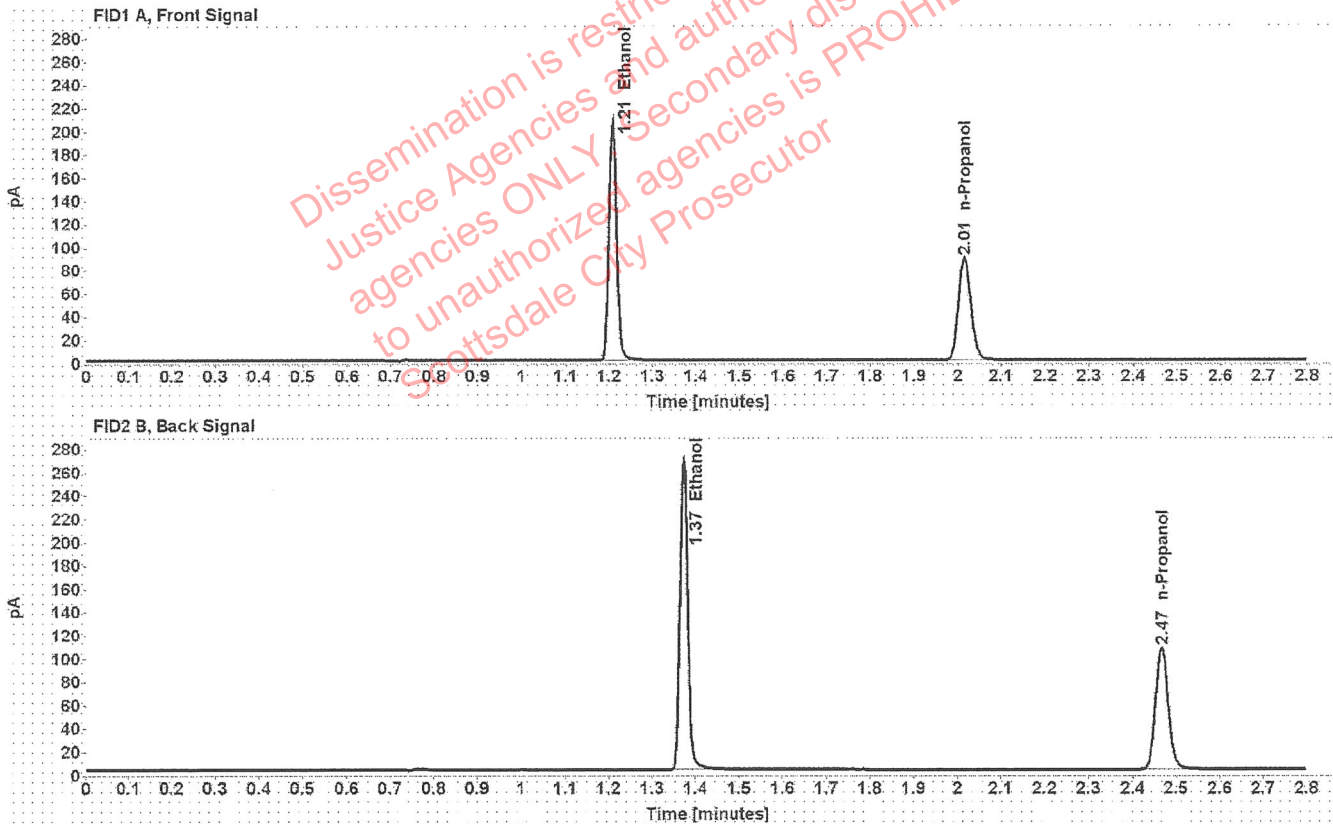


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	261.700
n-Propanol	2.015	176.299

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

Compound	Time (min)	Peak Area
Ethanol	1.373	327.719
n-Propanol	2.467	214.656

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040720AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 3:25:46 PM
Data file: C:\Chem32\1\Data\10Jun20\5.D	Analyst: Brooke <i>AB</i>

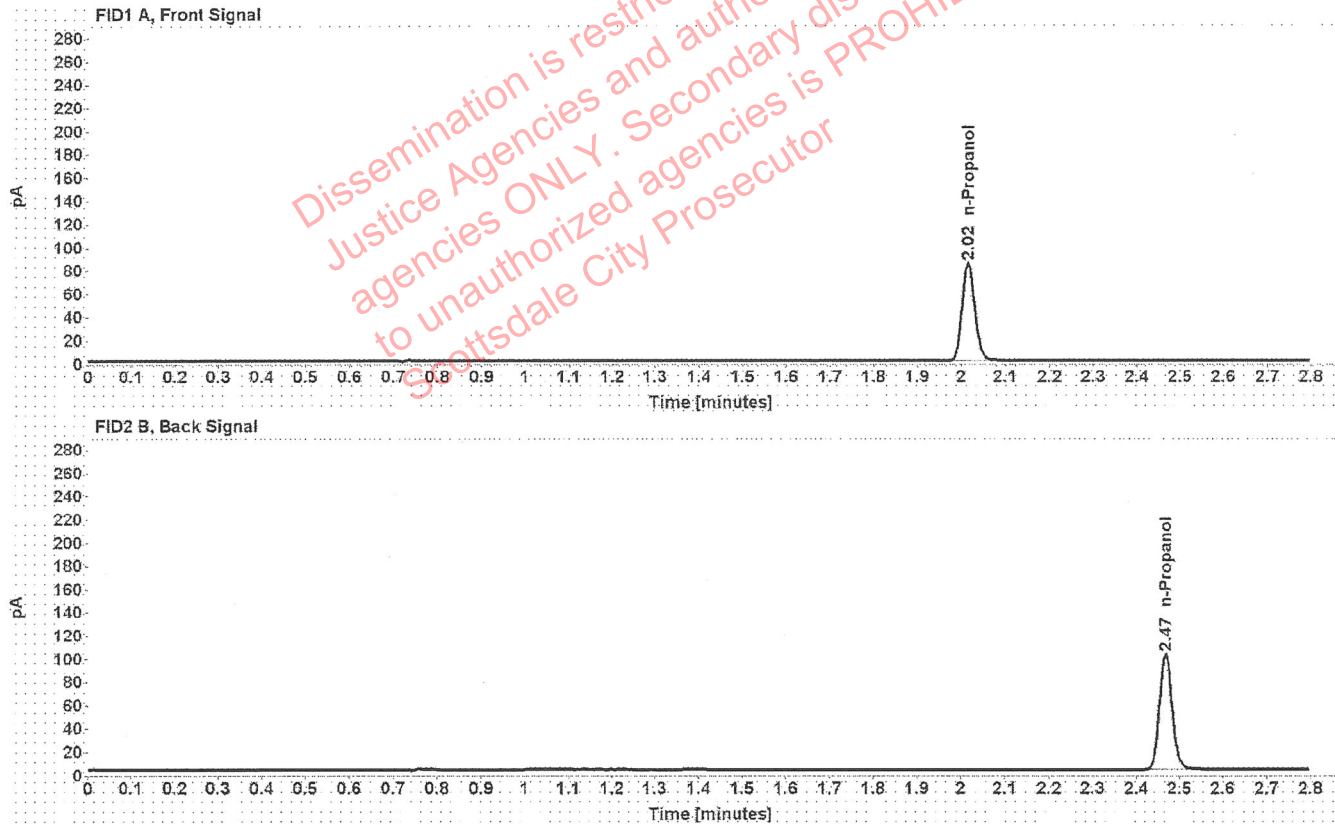


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	167.809

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	203.312

# 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> 10Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/10/2020 3:29:47 PM
<b>Data file:</b> C:\Chem32\1\Data\10Jun20\6.D	<b>Analyst:</b> Brooke <i>AB</i>

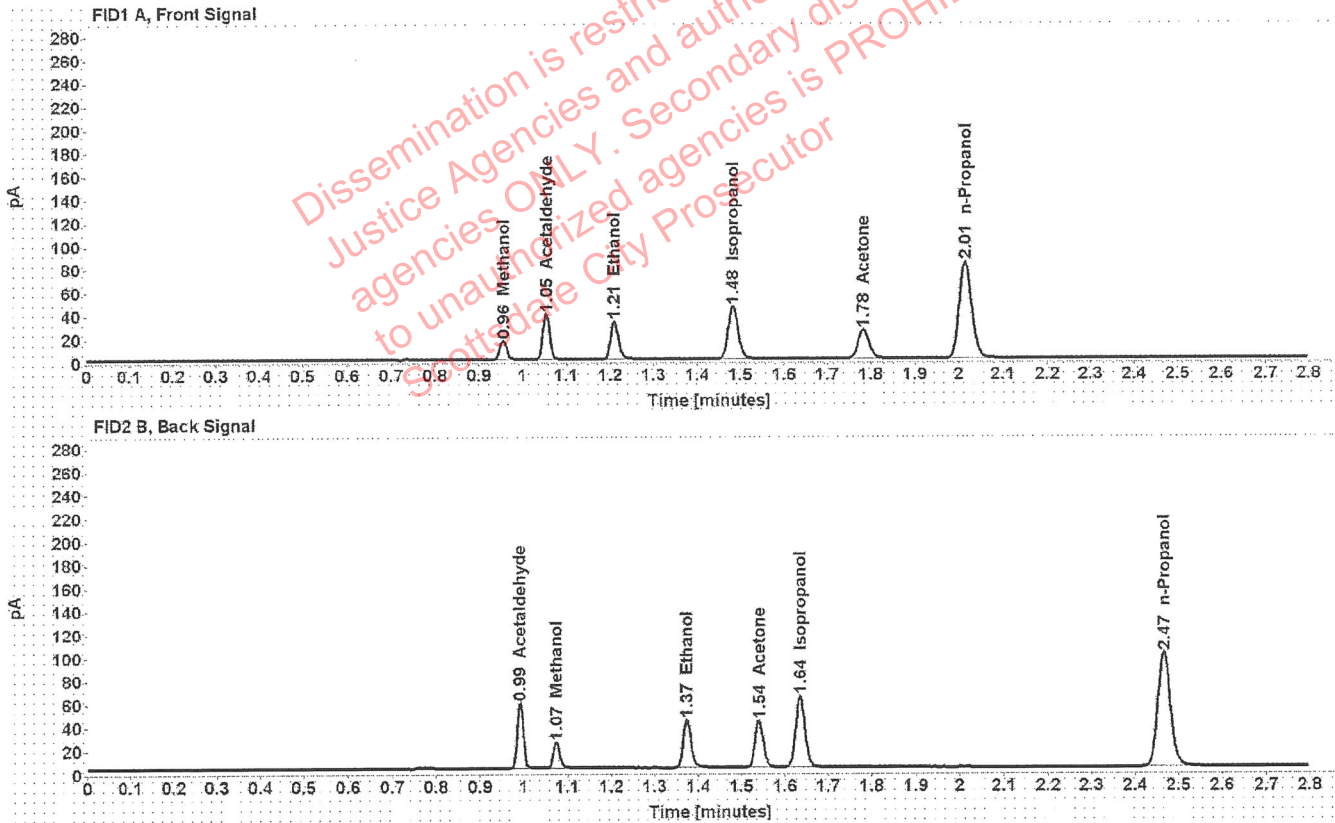


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.353
Acetaldehyde	-----	1.054	42.898
>Ethanol	0.0700	1.210	41.821
Isopropanol	-----	1.483	72.157
Acetone	-----	1.783	42.409
n-Propanol	-----	2.015	165.487

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	55.680
Methanol	1.075	23.761
Ethanol	1.373	51.995
Acetone	1.540	52.737
Isopropanol	1.635	92.739
n-Propanol	2.466	201.148



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 3:34:01 PM
Data file: C:\Chem32\1\Data\10Jun20\7.D	Analyst: Brooke <i>FB</i>

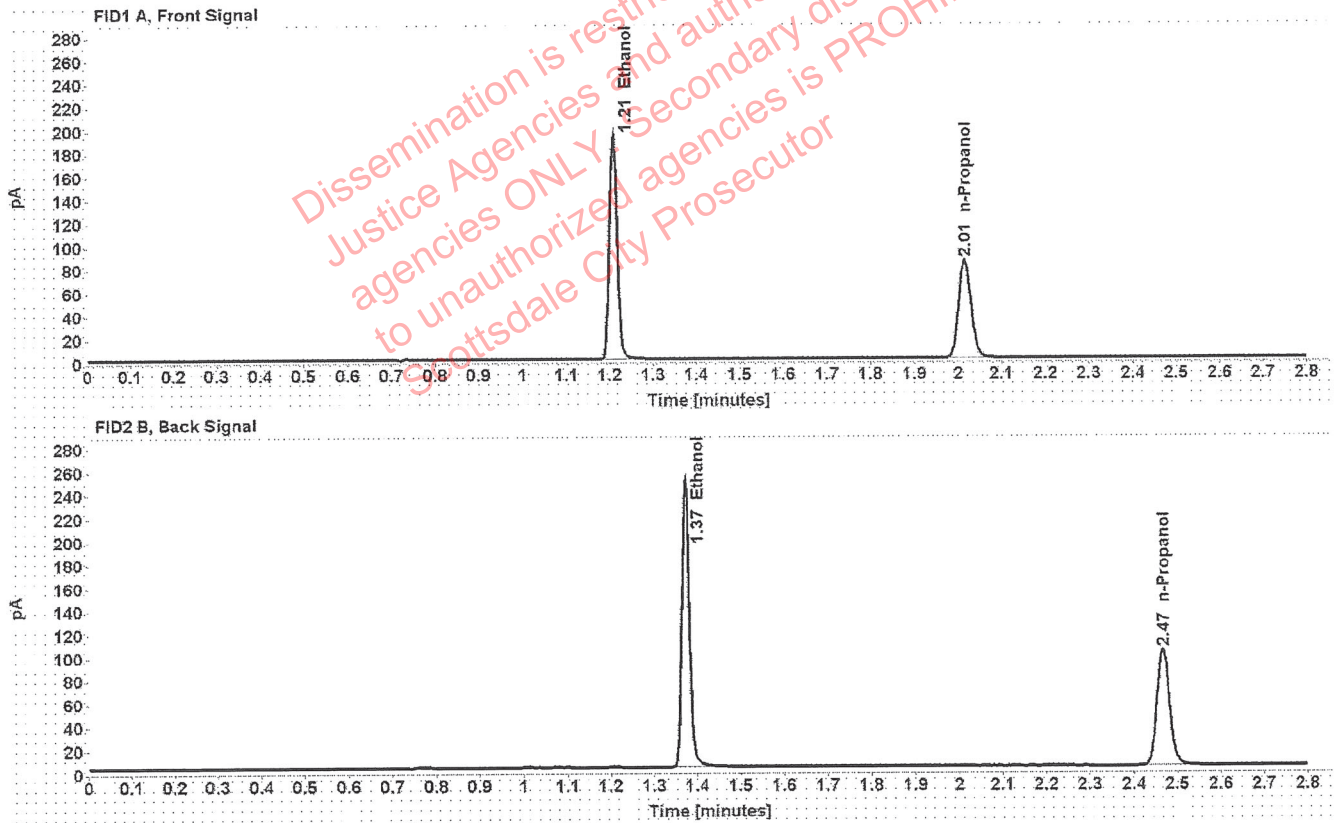


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3956	1.208	246.819
n-Propanol	-----	2.015	168.568

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

Compound	Time (min)	Peak Area
Ethanol	1.373	308.701
n-Propanol	2.467	204.791

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 3:38:01 PM
Data file: C:\Chem32\1\Data\10Jun20\8.D	Analyst: Brooke YPB

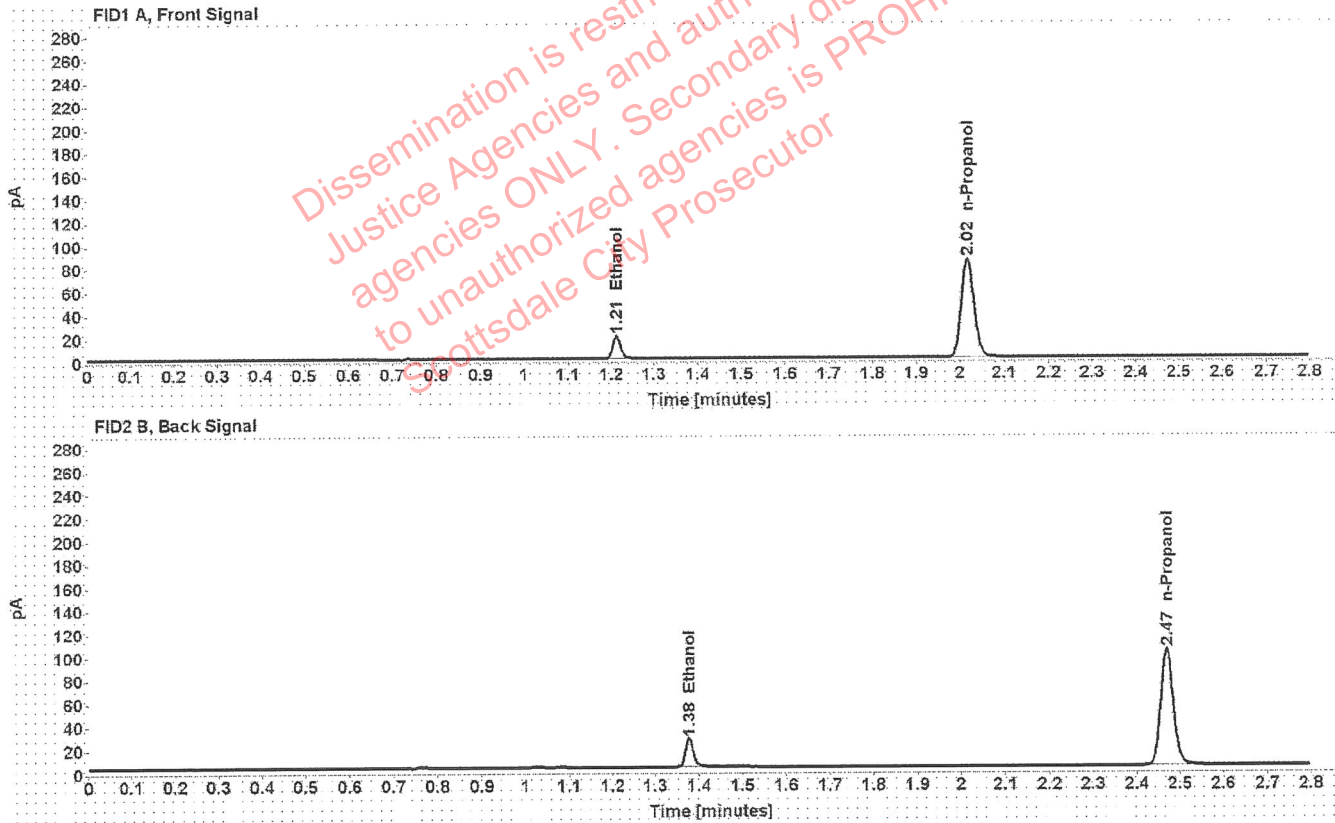


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0418	1.212	25.000
n-Propanol	-----	2.017	169.354

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

Compound	Time (min)	Peak Area
Ethanol	1.377	31.021
n-Propanol	2.469	204.910

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 9
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 10Jun20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/10/2020 3:42:02 PM
<b>Data file:</b> C:\Chem32\1\Data\10Jun20\9.D	<b>Analyst:</b> Brooke <i>BB</i>

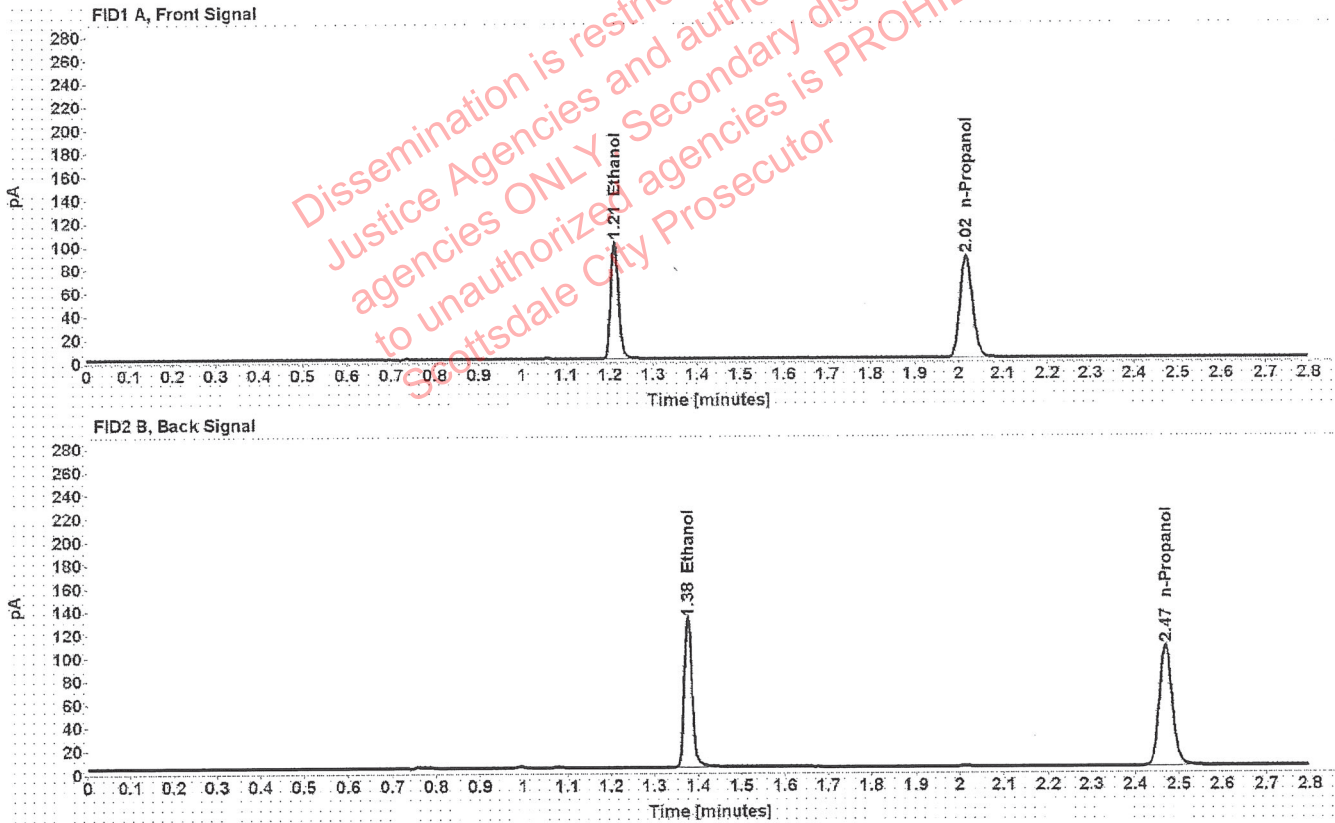


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2005	1.211	129.184
n-Propanol	-----	2.017	175.007

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

Compound	Time (min)	Peak Area
Ethanol	1.376	161.300
n-Propanol	2.469	212.142

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 4:26:32 PM
Data file: C:\Chem32\1\Data\10Jun20\20.D	Analyst: Brooke <i>RS</i>

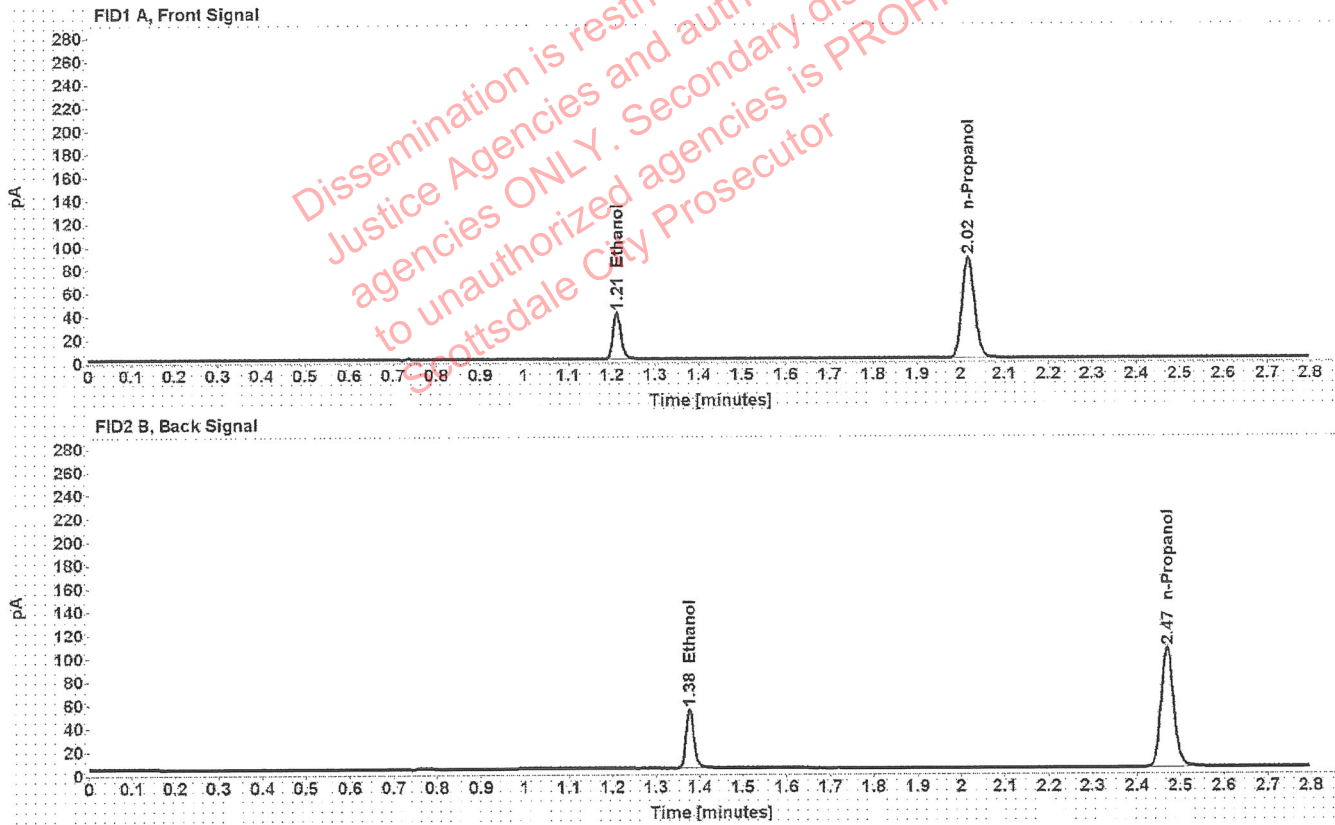


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0820	1.211	51.672
n-Propanol	-----	2.017	173.877

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

Compound	Time (min)	Peak Area
Ethanol	1.377	64.094
n-Propanol	2.469	210.105

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 5:11:01 PM
Data file: C:\Chem32\1\Data\10Jun20\31.D	Analyst: Brooke <i>BB</i>

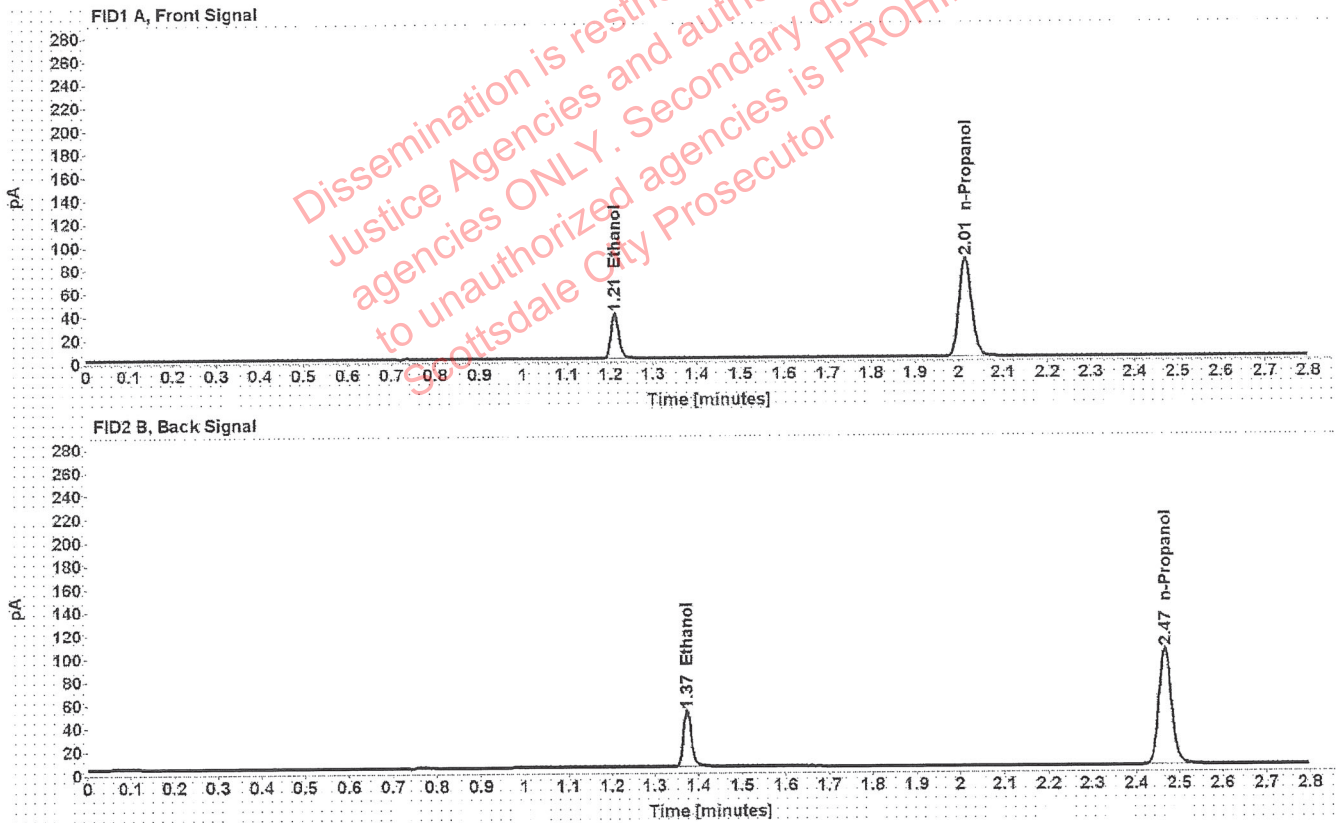


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.210	49.599
n-Propanol	-----	2.015	169.868

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.531
n-Propanol	2.467	205.195

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 5:55:17 PM
Data file: C:\Chem32\1\Data\10Jun20\42.D	Analyst: Brooke <i>AB</i>

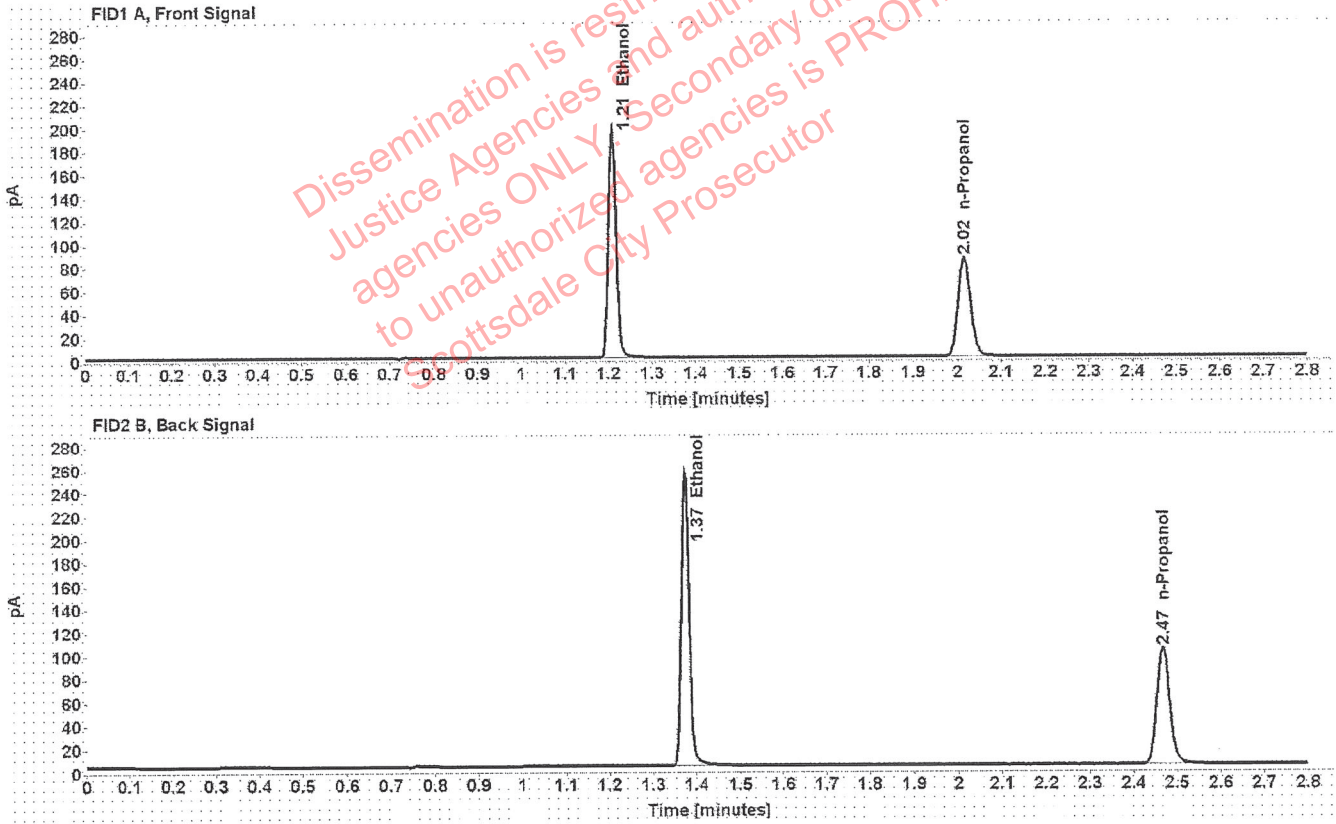


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3977	1.209	249.836
n-Propanol	-----	2.015	169.721

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

Compound	Time (min)	Peak Area
Ethanol	1.373	312.710
n-Propanol	2.467	205.723

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 5:59:32 PM
Data file: C:\Chem32\1\Data\10Jun20\43.D	Analyst: Brooke <i>YB</i>

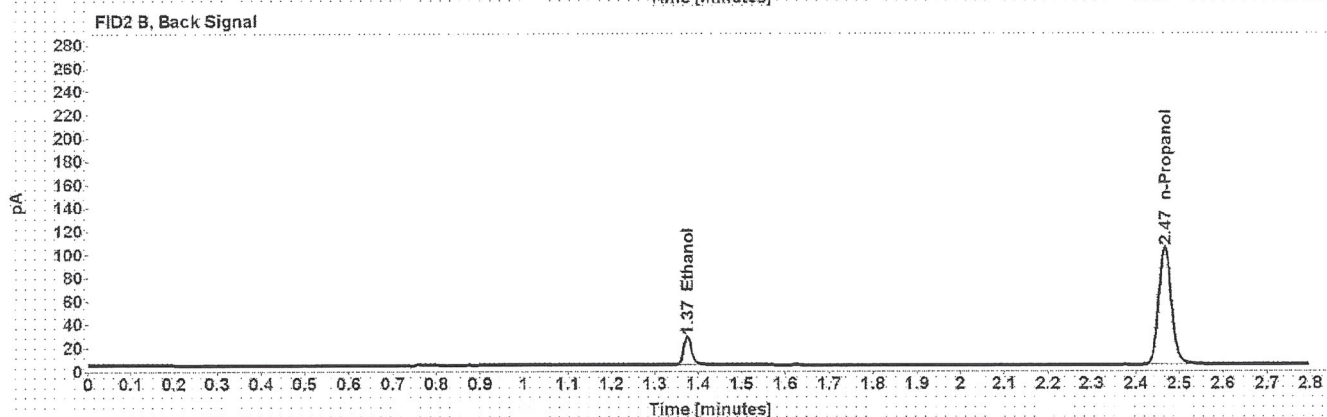
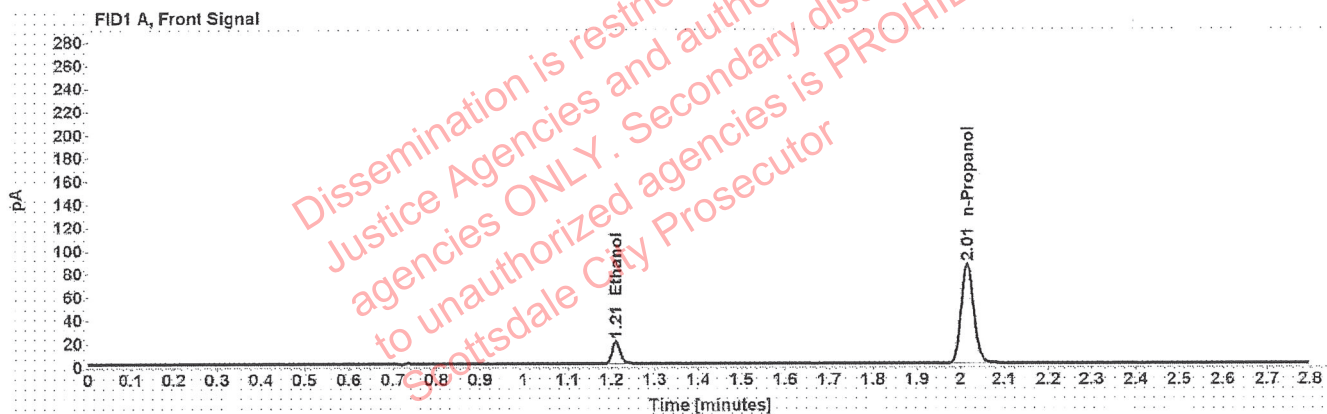


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0414	1.211	25.119
n-Propanol	-----	2.015	171.802

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.997
n-Propanol	2.467	207.225

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 6:03:31 PM
Data file: C:\Chem32\1\Data\10Jun20\44.D	Analyst: Brooke <i>BS</i>

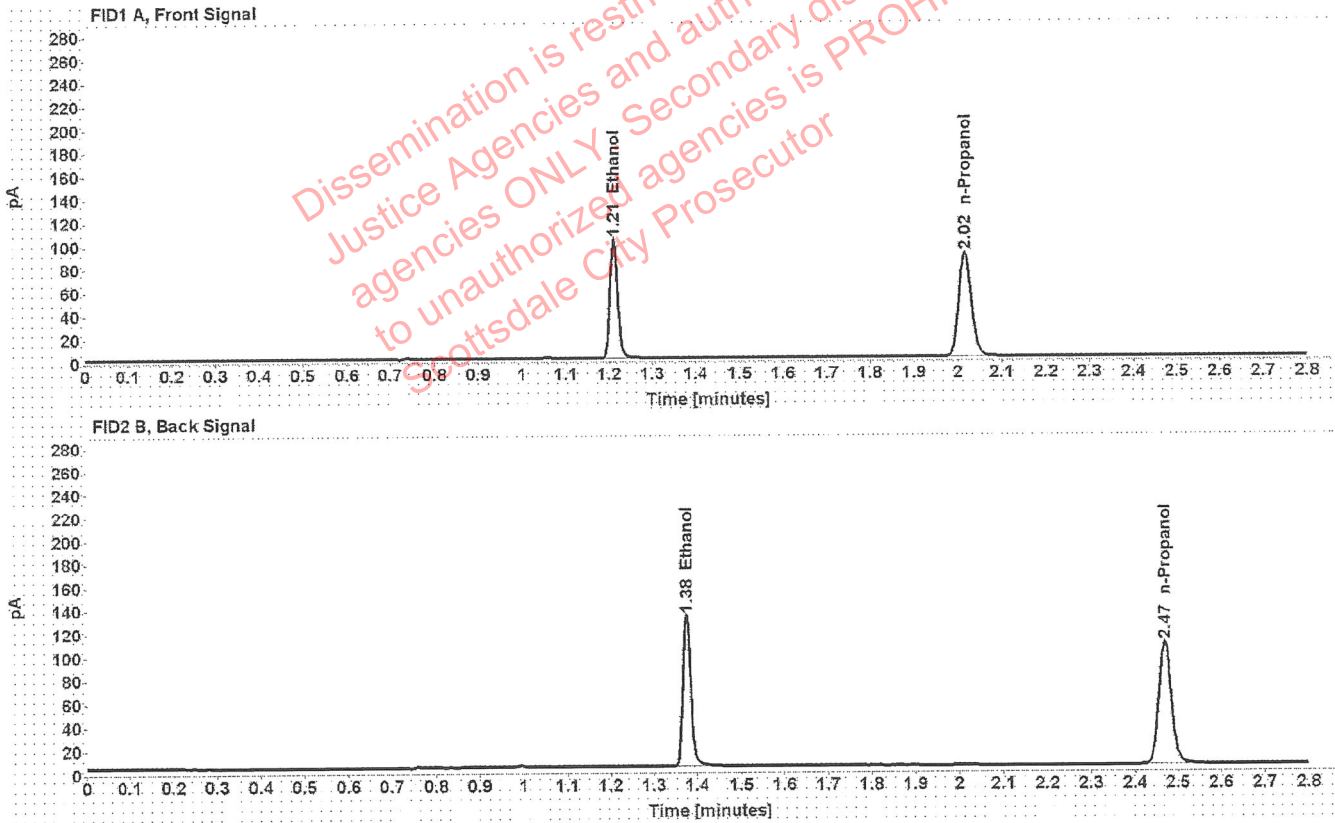


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1989	1.210	130.795
n-Propanol	-----	2.016	178.650

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

Compound	Time (min)	Peak Area
Ethanol	1.376	163.351
n-Propanol	2.469	215.889



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 6:07:31 PM
Data file: C:\Chem32\1\Data\10Jun20\45.D	Analyst: Brooke <i>FB</i>

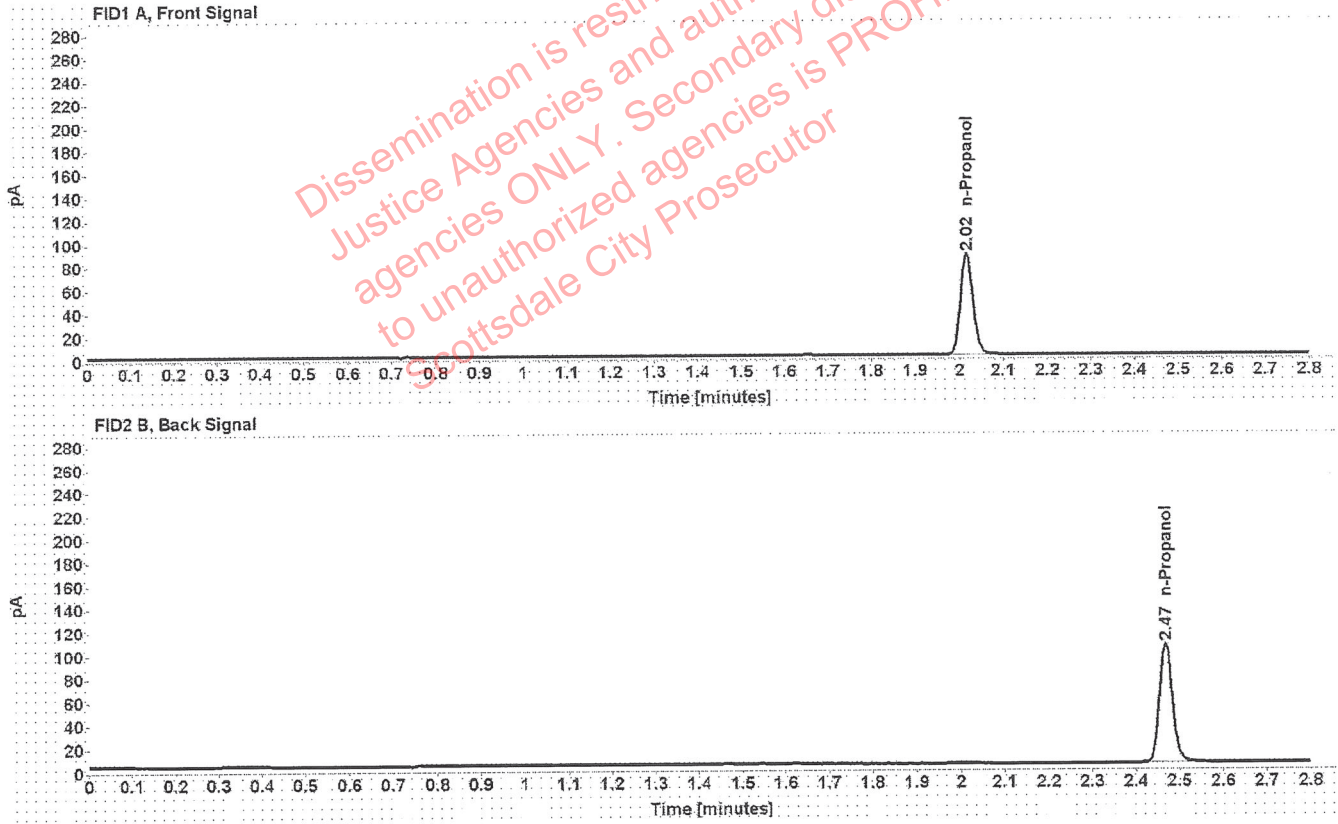


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	173.732

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	209.950

# Sequence Summary

Sequence name: 10Jun20      Instrument: US14173023 CN14160045      Analyst: Brooke

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	1321957		Sample		ethanol quant.M
11	1321957		Sample		ethanol quant.M
12	1321960		Sample		ethanol quant.M
13	1321960		Sample		ethanol quant.M
14	32601FM		Sample		ethanol quant.M
15	32601FM		Sample		ethanol quant.M
16	3751LP		Sample		ethanol quant.M
17	3751LP		Sample		ethanol quant.M
18	33601CR		Sample		ethanol quant.M
19	33601CR		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	35501BB		Sample		ethanol quant.M
22	35501BB		Sample		ethanol quant.M
23	1321996		Sample		ethanol quant.M
24	1321996		Sample		ethanol quant.M
25	1287740		Sample		ethanol quant.M
26	1287740		Sample		ethanol quant.M
27	1310525		Sample		ethanol quant.M
28	1310525		Sample		ethanol quant.M
29	1324585		Sample		ethanol quant.M
30	1324585		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1323735		Sample		ethanol quant.M
33	1323735		Sample		ethanol quant.M
34	1324800		Sample		ethanol quant.M
35	1324800		Sample		ethanol quant.M
36	1322942		Sample		ethanol quant.M
37	1322942		Sample		ethanol quant.M
38	1297884		Sample		ethanol quant.M
39	1297884		Sample		ethanol quant.M
40	1322142		Sample		ethanol quant.M
41	1322142		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

498

SEQUENCE NAME: 10Jun20

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0863	0.0865	0.08640	0.12	0.00010
12 13	0.3341	0.3355	0.33480	0.21	0.00070
14 15	0.2330	0.2296	0.23130	0.73	0.00170
16 17	0.2384	0.2394	0.23890	0.21	0.00050
18 19	0.1695	0.1689	0.16920	0.18	0.00030
21 22	0.1697	0.1699	0.16980	0.06	0.00010
23 24	0.2698	0.2705	0.27015	0.13	0.00035
25 26	0.2239	0.2231	0.22350	0.18	0.00040
27 28	0.0000	0.0000	0.00000	0.00	0.00000
29 30	0.2089	0.2076	0.20825	0.31	0.00065
32 33	0.1048	0.1042	0.10450	0.29	0.00030
34 35	0.1211	0.1202	0.12065	0.37	0.00045
36 37	0.0791	0.0791	0.07910	0.00	0.00000
38 39	0.1323	0.1312	0.13175	0.42	0.00055
40 41	0.1856	0.1849	0.18525	0.19	0.00035

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

## Scottsdale Forensic Lab Blood Alcohol Pipetting Log

ANALYST: Brooke <sup>MB</sup>

SEQUENCE: 10Jun20

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1321957	1321957	1321957	Yes
Vials 12 and 13	1321960	1321960	1321960	Yes
Vials 14 and 15	32601FM	32601FM	32601FM	Yes
Vials 16 and 17	37511P	37511P	37511P	Yes
Vials 18 and 19	33601CR	33601CR	33601CR	Yes
Vials 21 and 22	35501BB	35501BB	35501BB	Yes
Vials 23 and 24	1321996	1321996	1321996	Yes
Vials 25 and 26	1287740	1287740	1287740	Yes
Vials 27 and 28	1310525	1310525	1310525	Yes
Vials 29 and 30	1324585	1324585	1324585	Yes
Vials 32 and 33	1323735	1323735	1323735	Yes
Vials 34 and 35	1324800	1324800	1324800	Yes
Vials 36 and 37	1322942	1322942	1322942	Yes
Vials 38 and 39	1297884	1297884	1297884	Yes
Vials 40 and 41	1322142	1322142	1322142	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321957	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 3:46:01 PM
Data file:	C:\Chem32\1\Data\10Jun20\10.D	Analyst:	Brooke

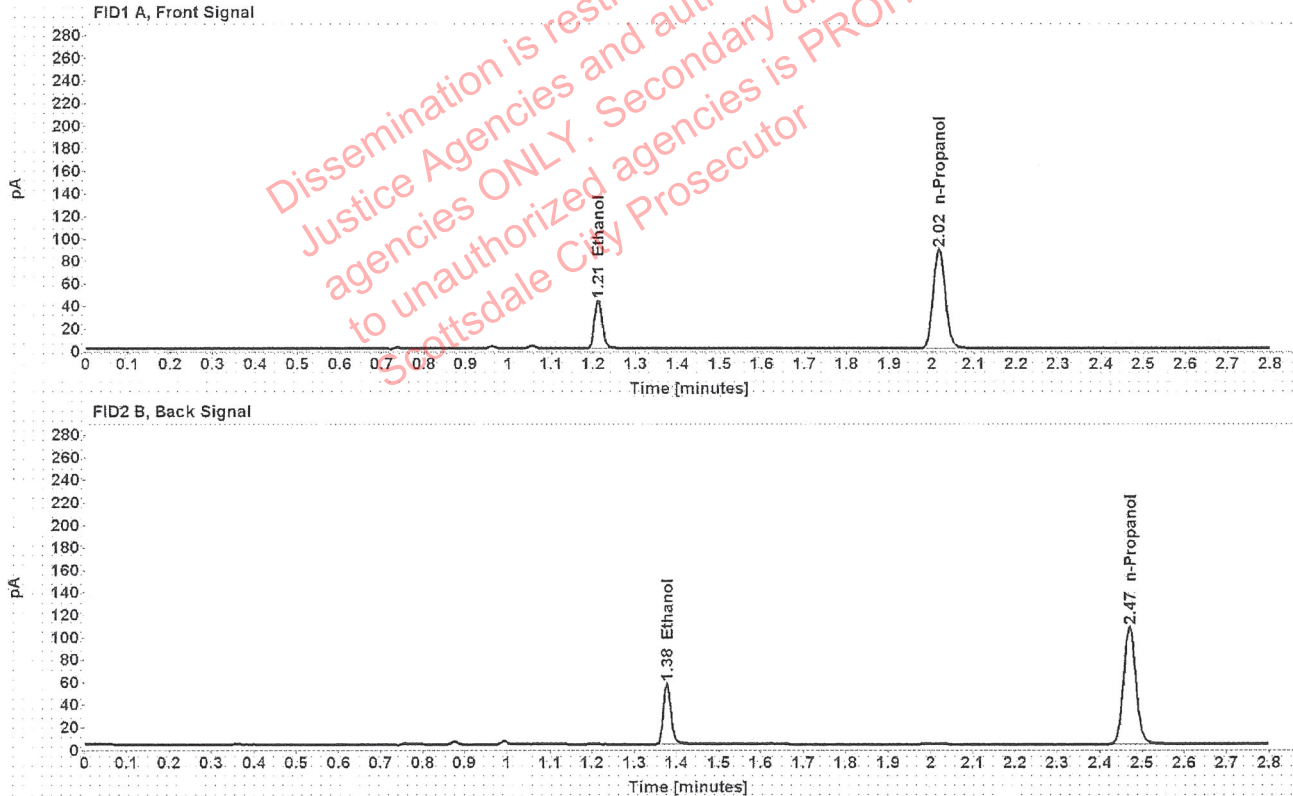


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0863	1.212	54.903
n-Propanol	-----	2.017	175.394

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

Compound	Time (min)	Peak Area
Ethanol	1.377	68.017
n-Propanol	2.470	212.696

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321957	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 3:50:02 PM
Data file:	C:\Chem32\1\Data\10Jun20\11.D	Analyst:	Brooke

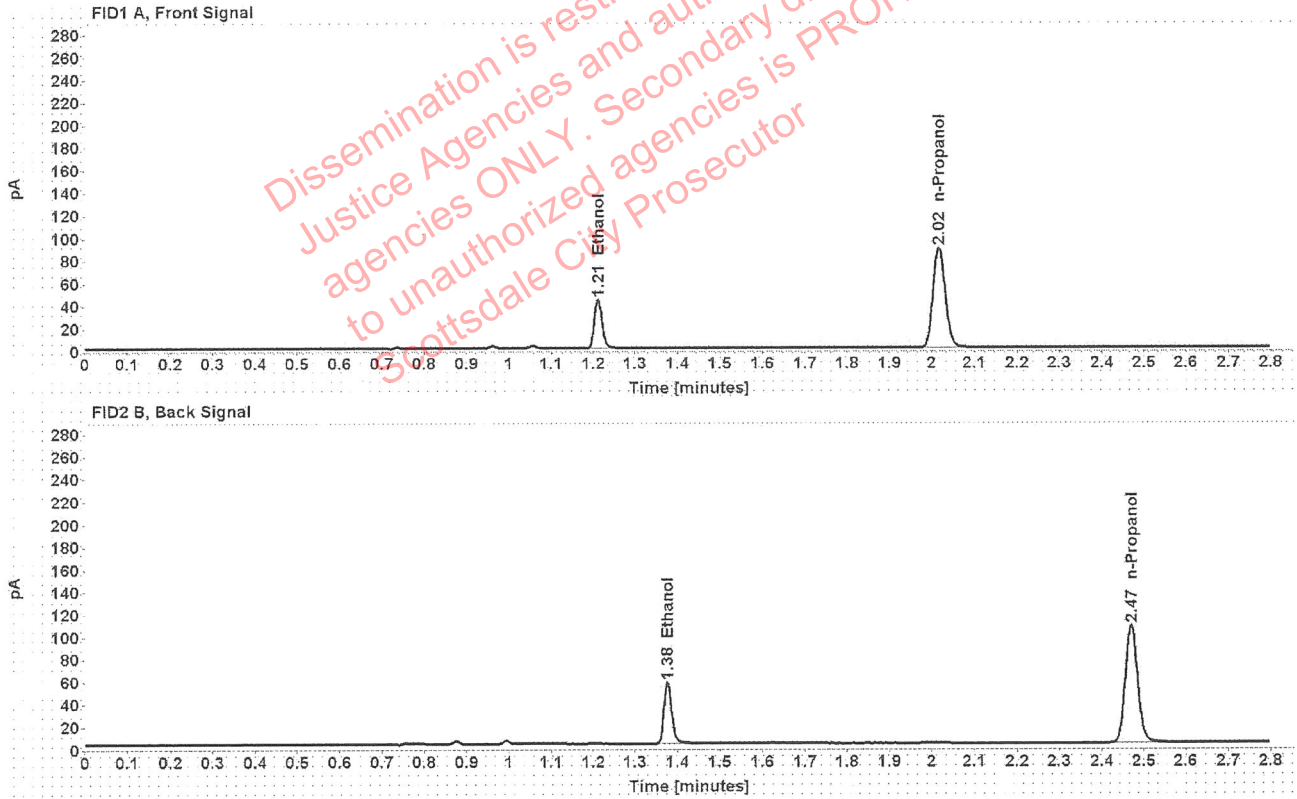


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0865	1.212	55.320
n-Propanol	-----	2.017	176.241

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

Compound	Time (min)	Peak Area
Ethanol	1.377	68.591
n-Propanol	2.470	213.570

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321960	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 3:54:01 PM
Data file:	C:\Chem32\1\Data\10Jun20\12.D	Analyst:	Brooke

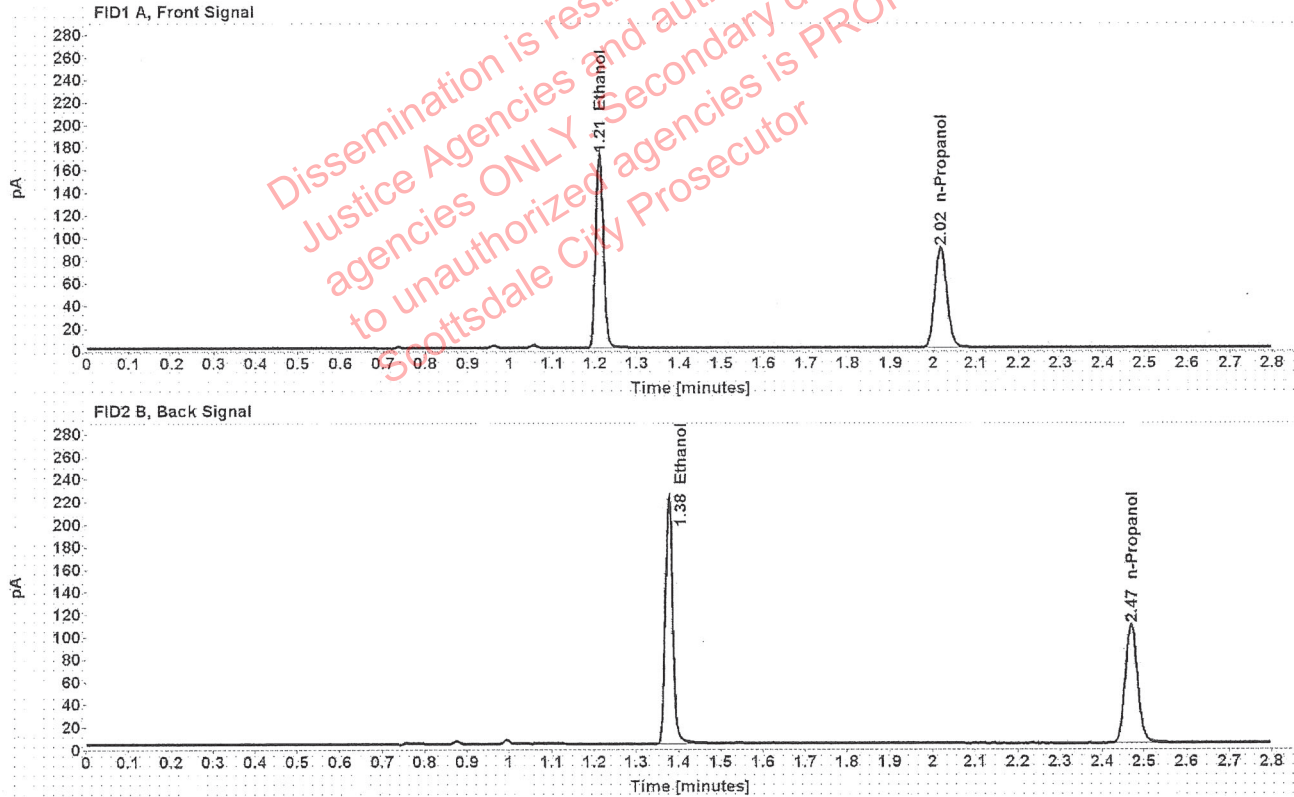


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3341	1.210	218.170
n-Propanol	-----	2.017	176.628

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

Compound	Time (min)	Peak Area
Ethanol	1.376	273.940
n-Propanol	2.470	214.133

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321960	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 3:58:17 PM
Data file:	C:\Chem32\1\Data\10Jun20\13.D	Analyst:	Brooke

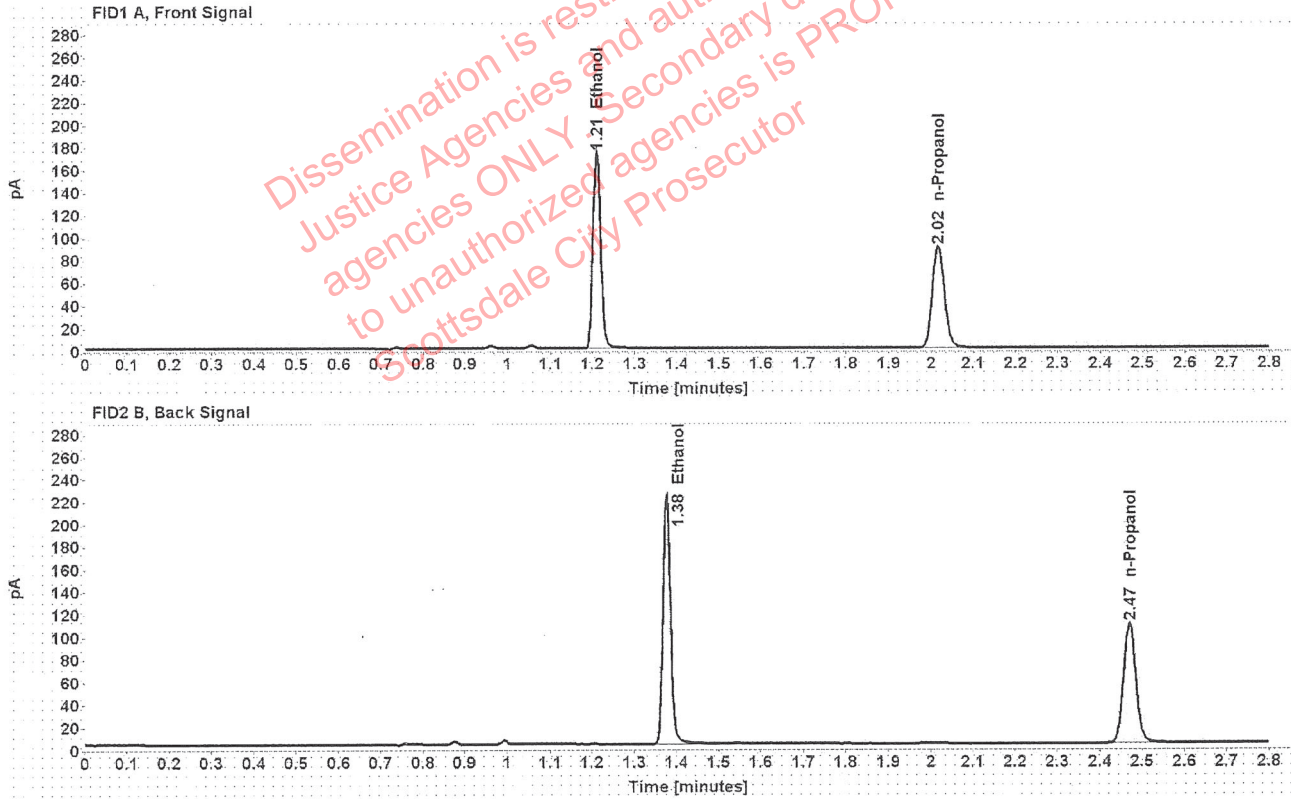


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3355	1.210	221.651
n-Propanol	-----	2.017	178.690

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

Compound	Time (min)	Peak Area
Ethanol	1.376	277.563
n-Propanol	2.470	216.501



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601FM	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:02:16 PM
Data file:	C:\Chem32\1\Data\10Jun20\14.D	Analyst:	Brooke

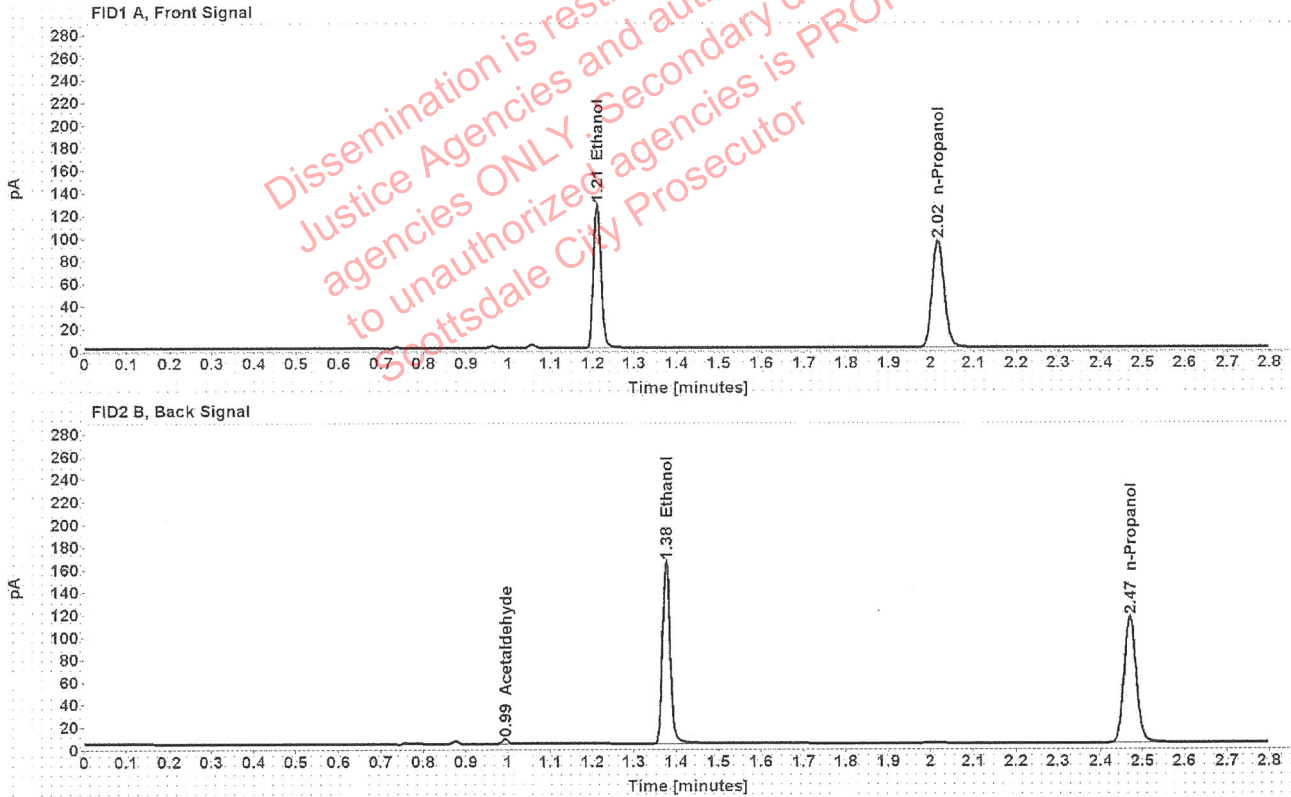


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2330	1.210	162.341
n-Propanol	-----	2.017	188.960

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.162
Ethanol	1.376	203.721
n-Propanol	2.470	229.303

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601FM	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:06:16 PM
Data file:	C:\Chem32\1\Data\10Jun20\15.D	Analyst:	Brooke

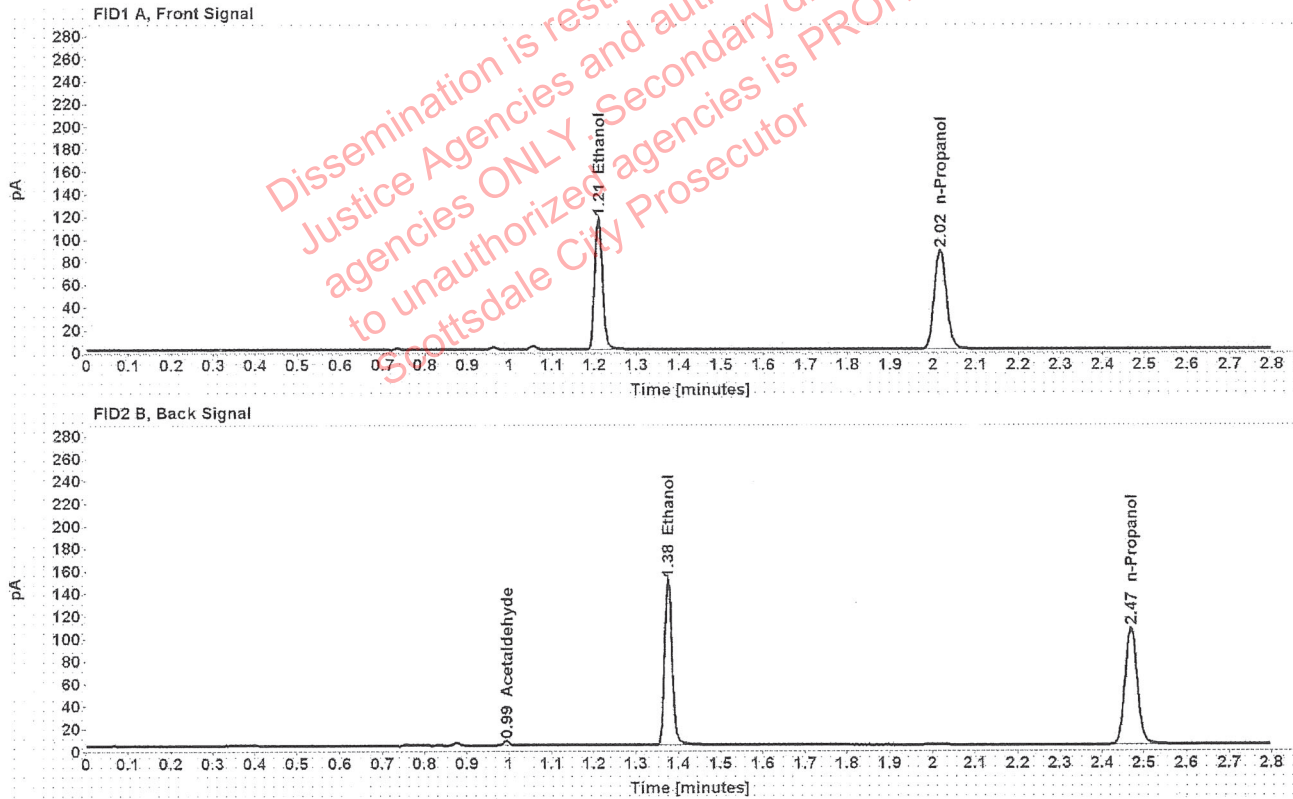


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2296	1.210	148.330
n-Propanol	-----	2.016	175.215

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.917
Ethanol	1.375	186.059
n-Propanol	2.469	212.365

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3751LP	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:10:16 PM
Data file:	C:\Chem32\1\Data\10Jun20\16.D	Analyst:	Brooke

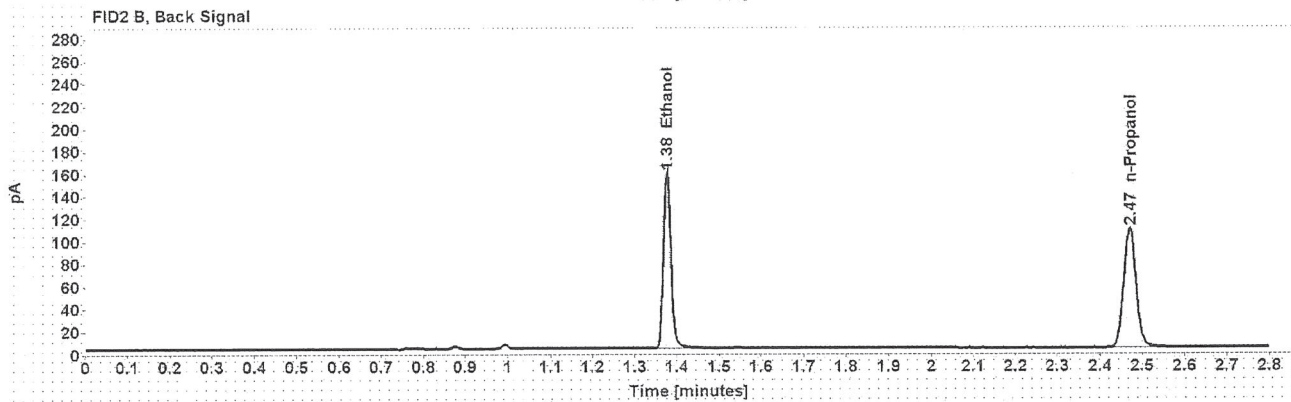
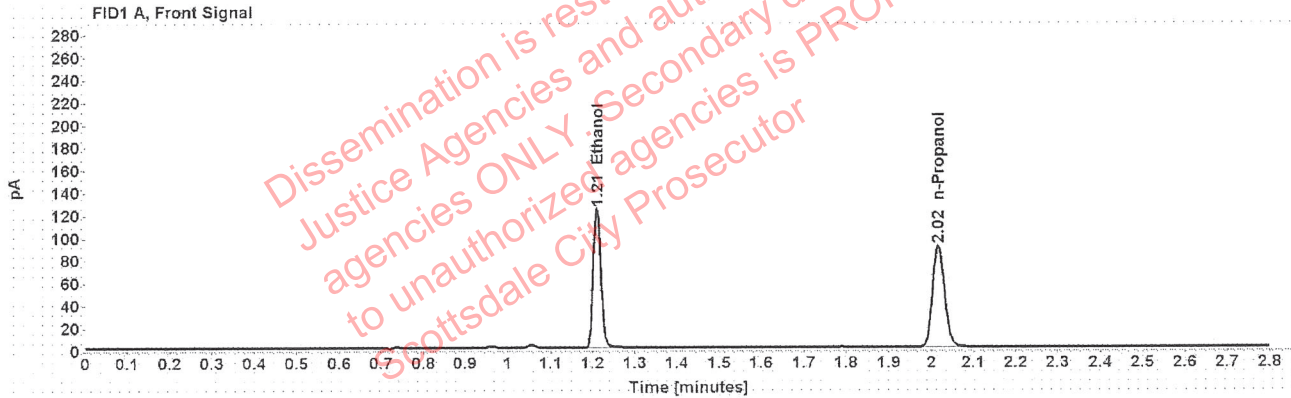


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2384	1.210	157.365
n-Propanol	-----	2.017	179.019

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

Compound	Time (min)	Peak Area
Ethanol	1.376	195.854
n-Propanol	2.470	216.884

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3751LP	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:14:17 PM
Data file:	C:\Chem32\1\Data\10Jun20\17.D	Analyst:	Brooke

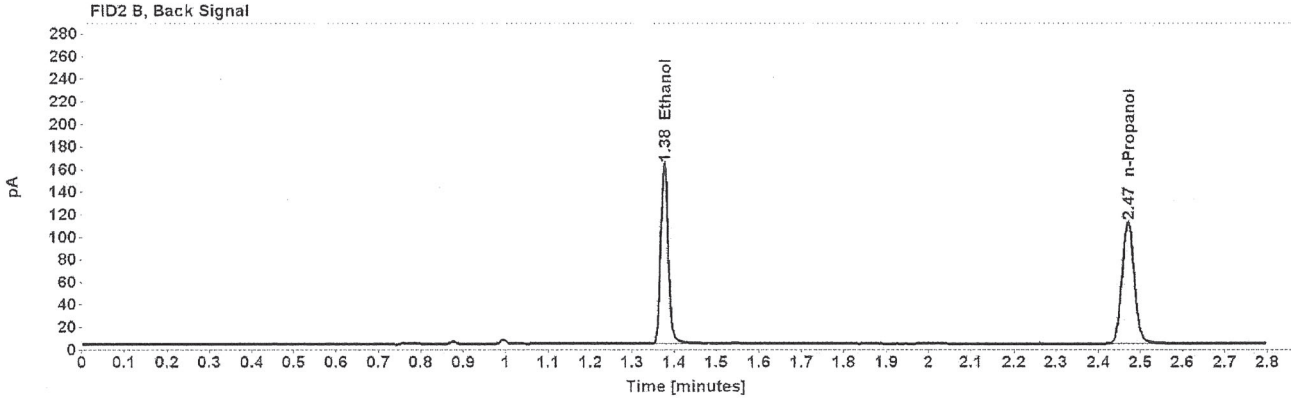
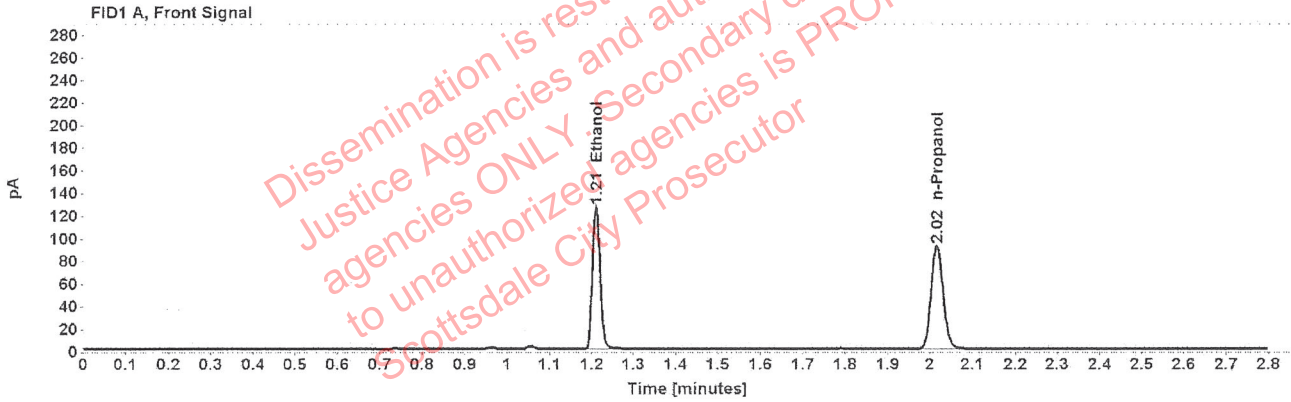


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2394	1.210	160.779
n-Propanol	-----	2.017	182.091

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

Compound	Time (min)	Peak Area
Ethanol	1.376	200.213
n-Propanol	2.469	220.731

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33601CR	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:18:18 PM
Data file:	C:\Chem32\1\Data\10Jun20\18.D	Analyst:	Brooke

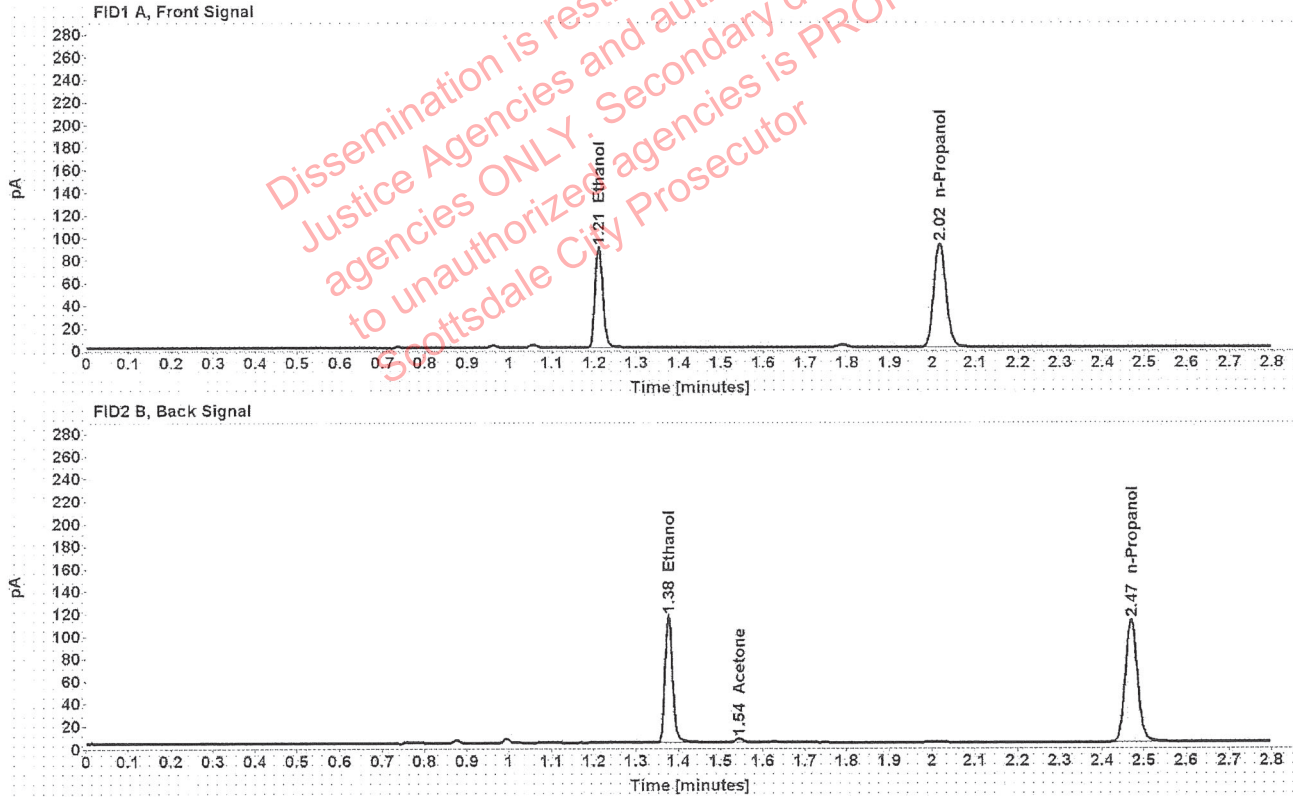


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1695	1.211	114.294
n-Propanol	-----	2.017	183.559

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

Compound	Time (min)	Peak Area
Ethanol	1.376	143.392
Acetone	1.544	5.010
n-Propanol	2.469	222.206

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33601CR	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:22:32 PM
Data file:	C:\Chem32\1\Data\10Jun20\19.D	Analyst:	Brooke

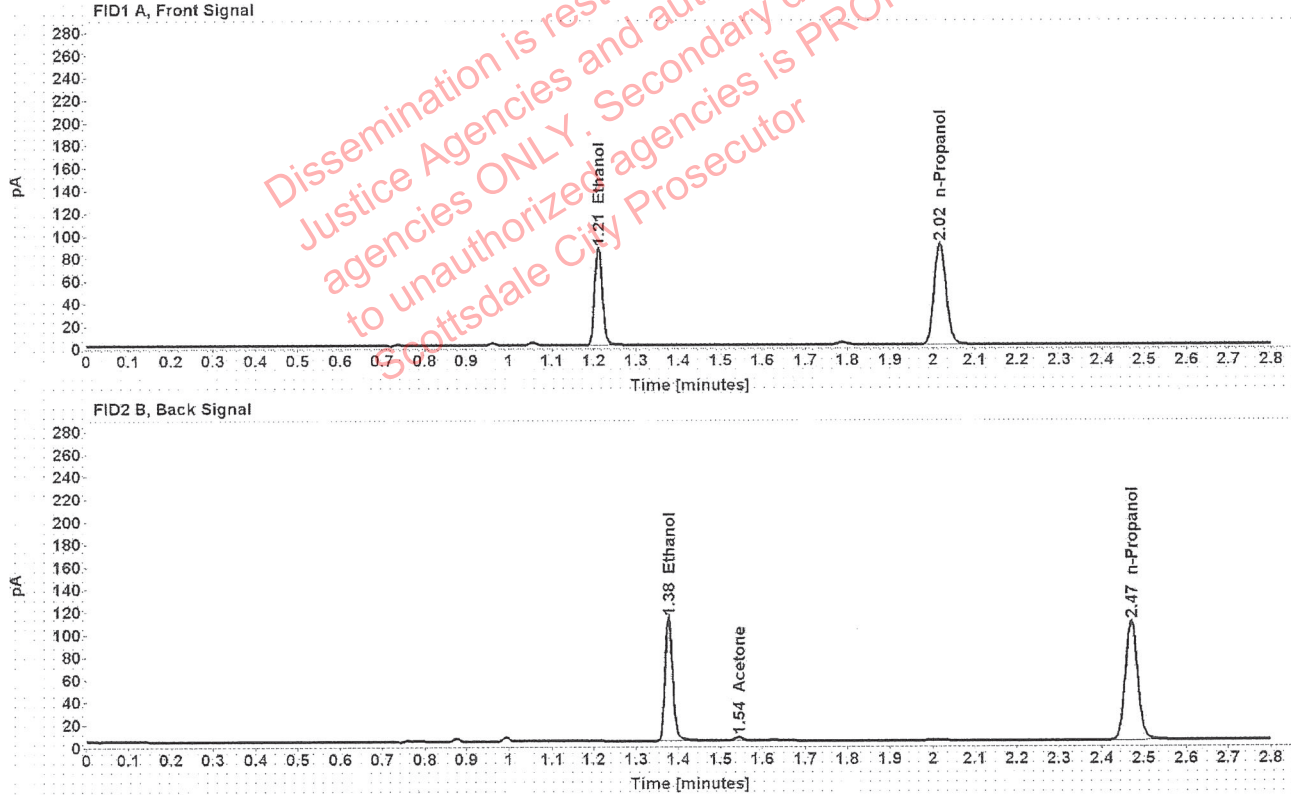


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1689	1.211	110.976
n-Propanol	-----	2.017	178.786

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

Compound	Time (min)	Peak Area
Ethanol	1.376	137.422
Acetone	1.544	4.497
n-Propanol	2.469	216.335

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35501BB	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:30:31 PM
Data file:	C:\Chem32\1\Data\10Jun20\21.D	Analyst:	Brooke

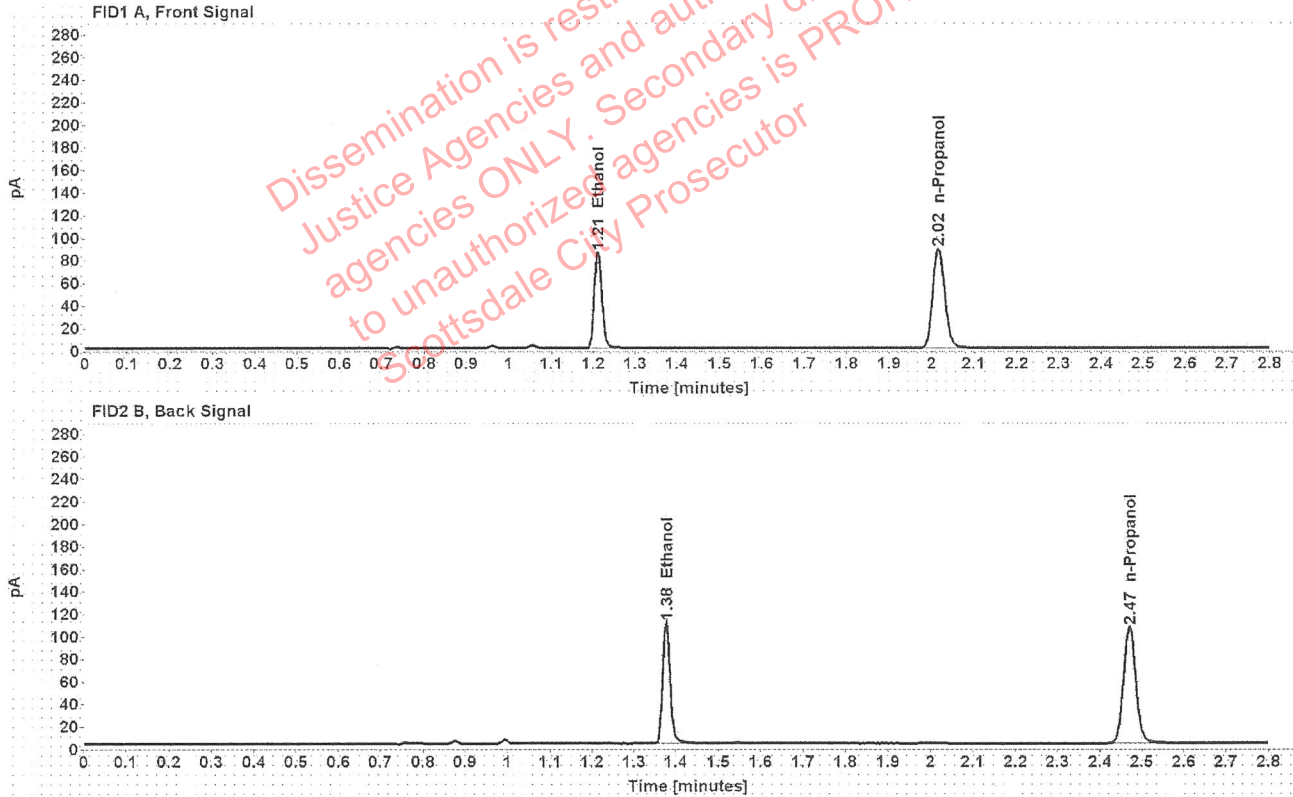


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1697	1.211	109.231
n-Propanol	-----	2.017	175.152

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

Compound	Time (min)	Peak Area
Ethanol	1.376	137.201
n-Propanol	2.470	211.831

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35501BB	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:34:32 PM
Data file:	C:\Chem32\1\Data\10Jun20\22.D	Analyst:	Brooke

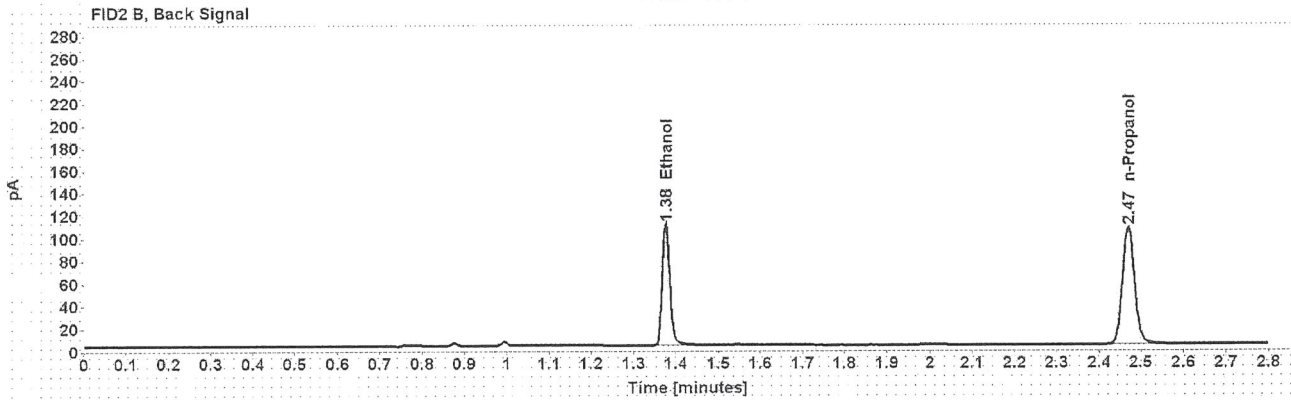
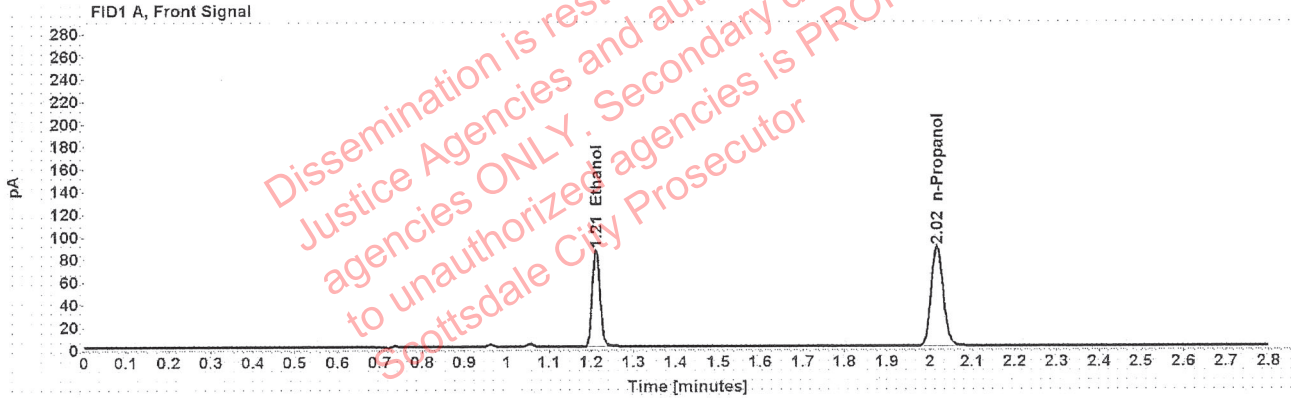


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1699	1.211	109.570
n-Propanol	-----	2.017	175.467

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

Compound	Time (min)	Peak Area
Ethanol	1.376	135.775
n-Propanol	2.469	212.502



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321996	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:38:32 PM
Data file:	C:\Chem32\1\Data\10Jun20\23.D	Analyst:	Brooke

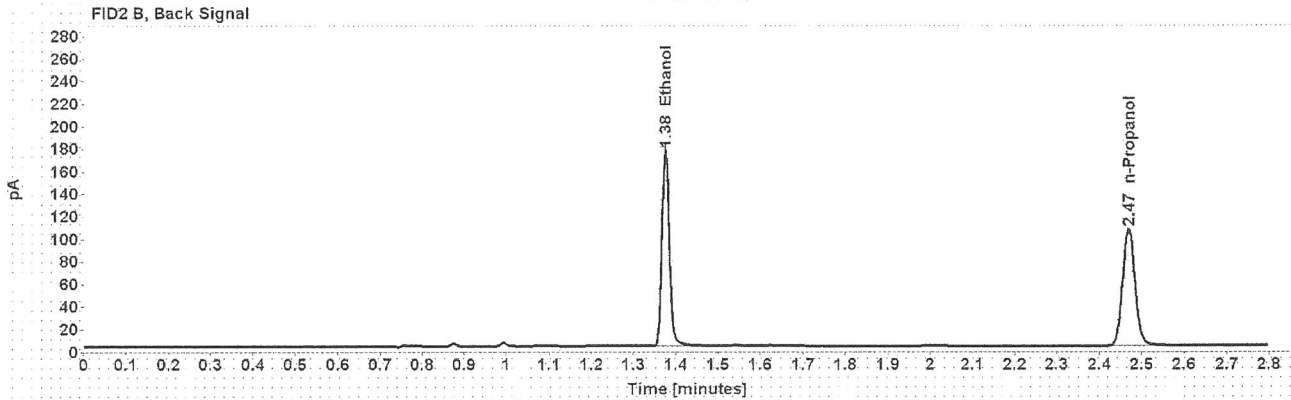
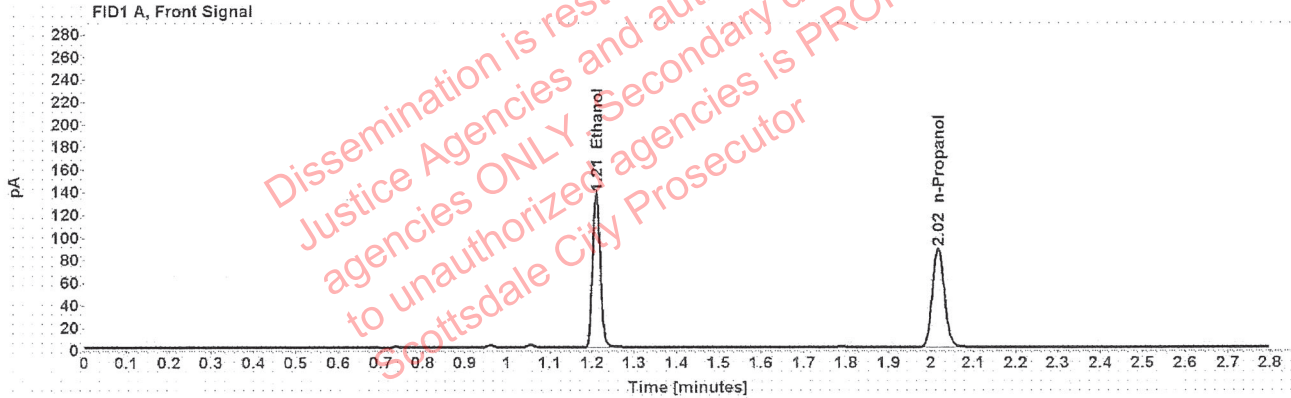


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2698	1.210	174.521
n-Propanol	-----	2.016	175.185

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

Compound	Time (min)	Peak Area
Ethanol	1.375	218.780
n-Propanol	2.469	211.866

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321996	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:42:32 PM
Data file:	C:\Chem32\1\Data\10Jun20\24.D	Analyst:	Brooke

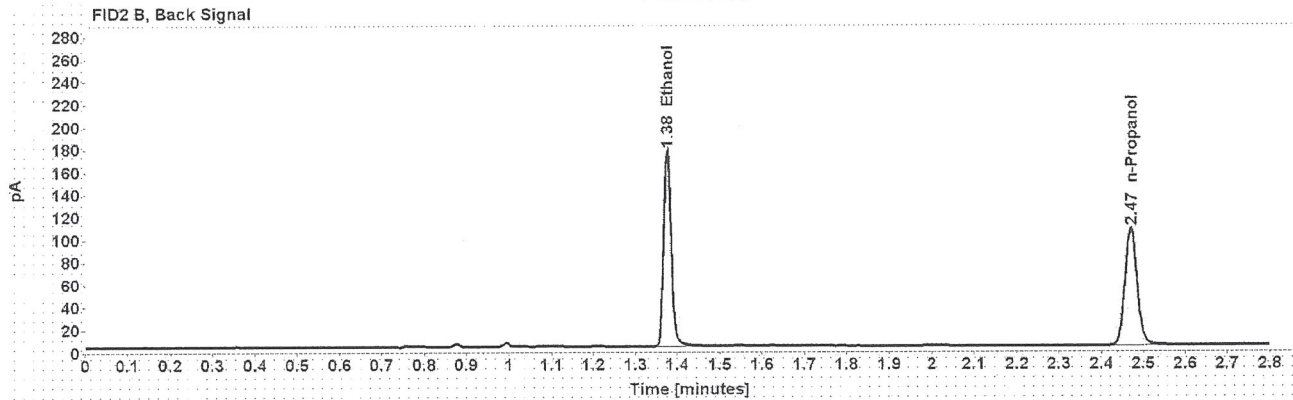
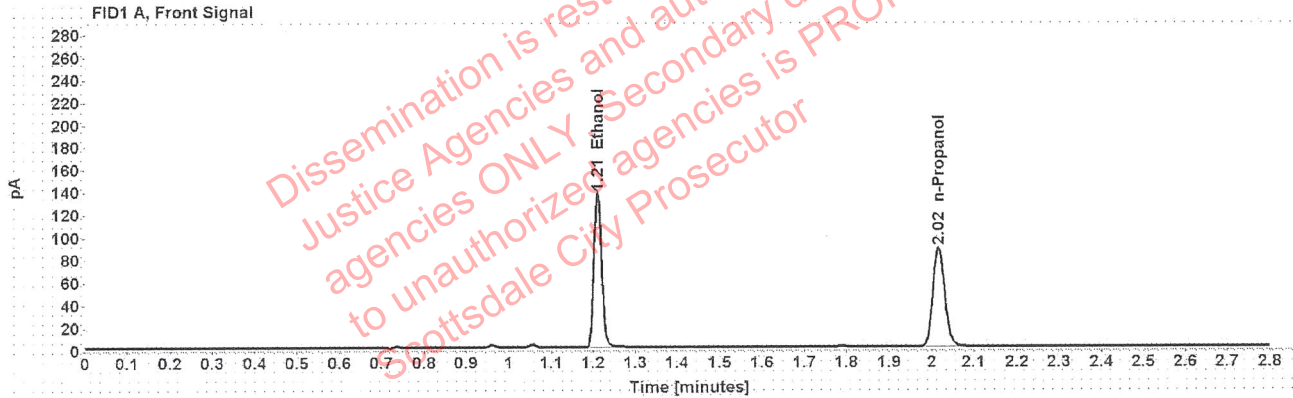


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2705	1.210	174.808
n-Propanol	-----	2.017	175.035

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

Compound	Time (min)	Peak Area
Ethanol	1.376	218.942
n-Propanol	2.470	211.659

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1287740	Vial: 25
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 4:46:46 PM
Data file: C:\Chem32\1\Data\10Jun20\25.D	Analyst: Brooke

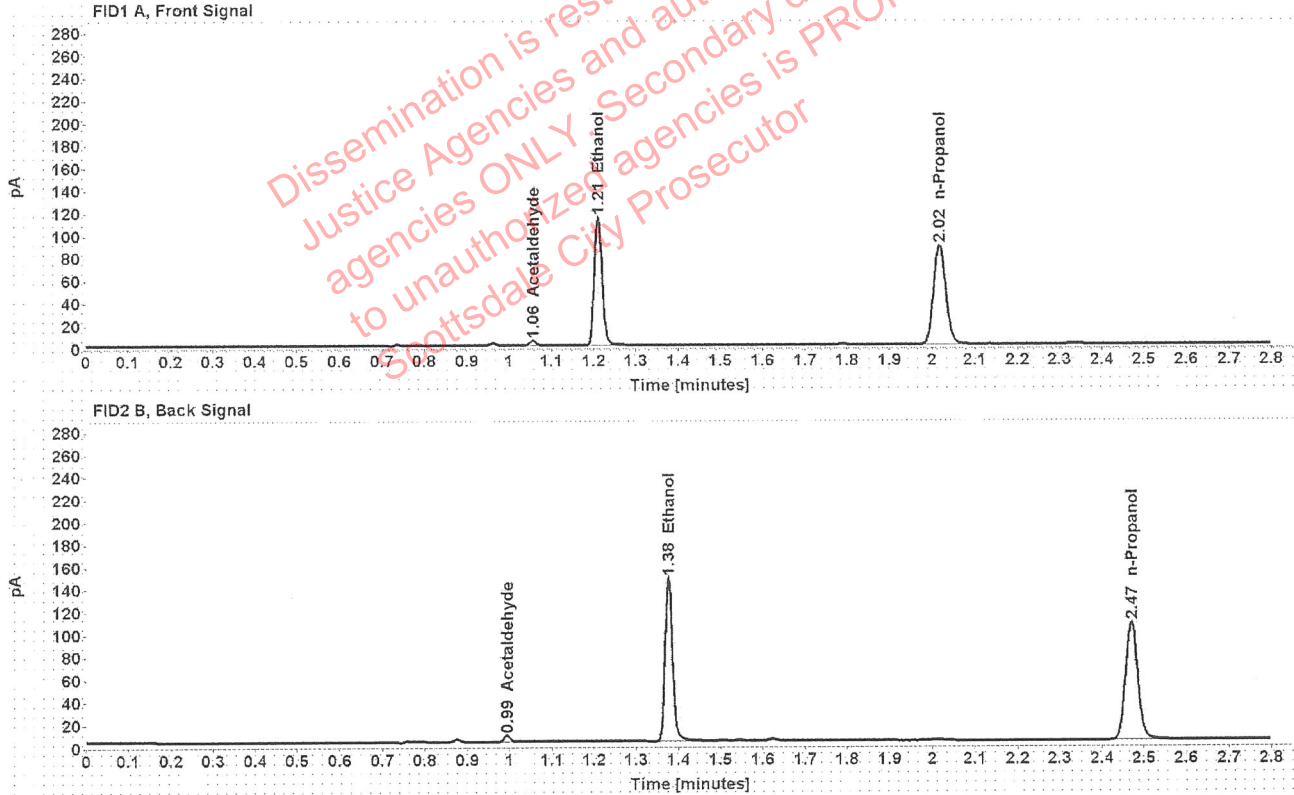


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.281
>Ethanol	0.2239	1.211	146.251
n-Propanol	-----	2.017	177.228

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.567
Ethanol	1.376	183.361
n-Propanol	2.470	213.676

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1287740	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:50:46 PM
Data file:	C:\Chem32\1\Data\10Jun20\26.D	Analyst:	Brooke

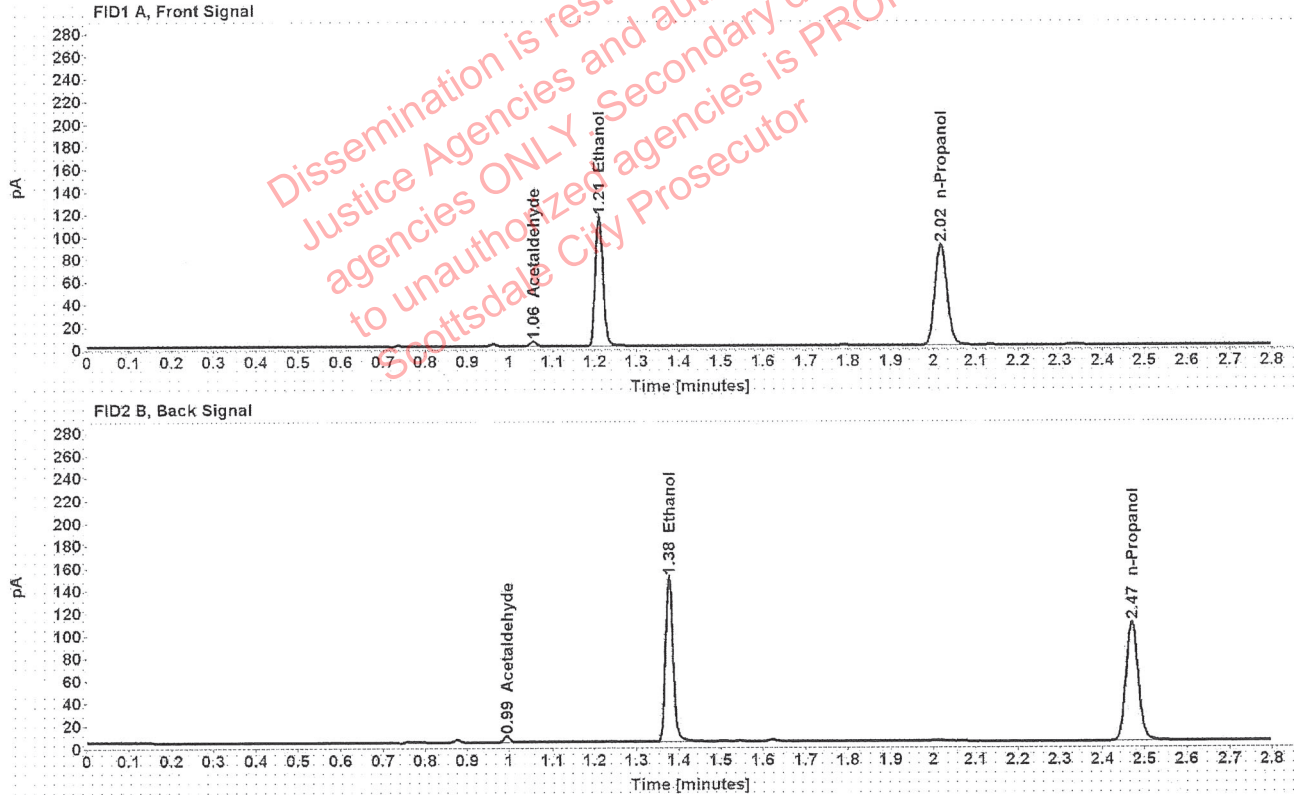


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.303
>Ethanol	0.2231	1.211	147.836
n-Propanol	-----	2.017	179.772

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.621
Ethanol	1.376	185.564
n-Propanol	2.470	216.821

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310525	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:54:46 PM
Data file:	C:\Chem32\1\Data\10Jun20\27.D	Analyst:	Brooke

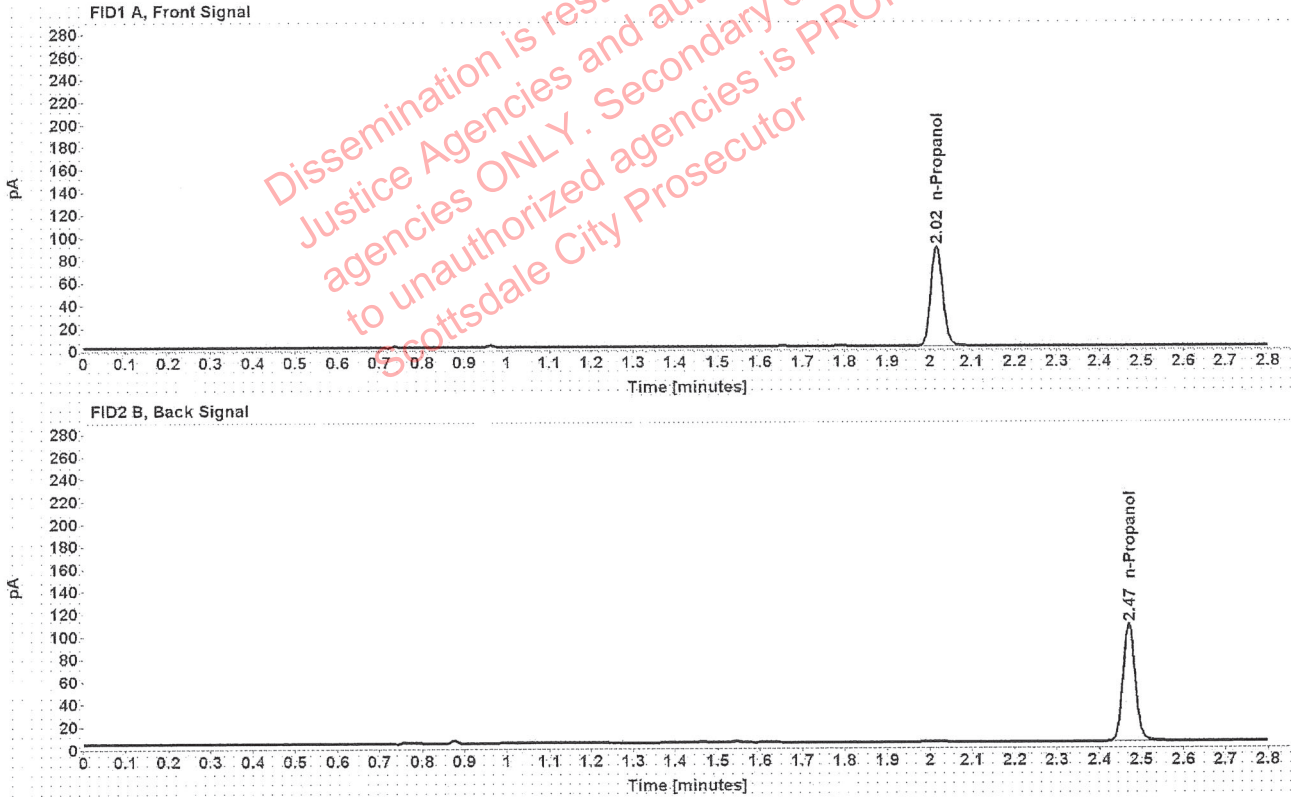


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	176.391

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	213.581

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310525	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 4:58:47 PM
Data file:	C:\Chem32\1\Data\10Jun20\28.D	Analyst:	Brooke

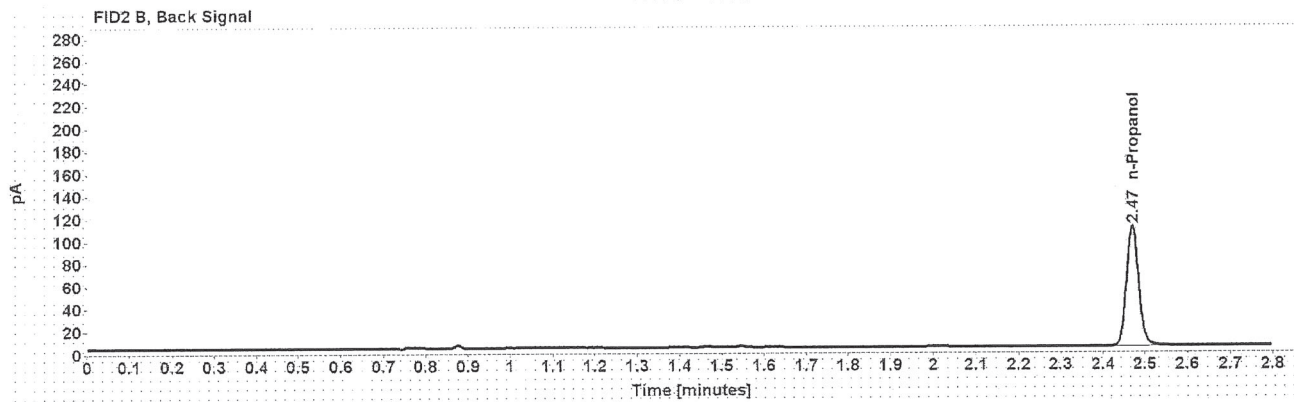


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	179.731

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	217.688

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1324585	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:02:47 PM
Data file:	C:\Chem32\1\Data\10Jun20\29.D	Analyst:	Brooke

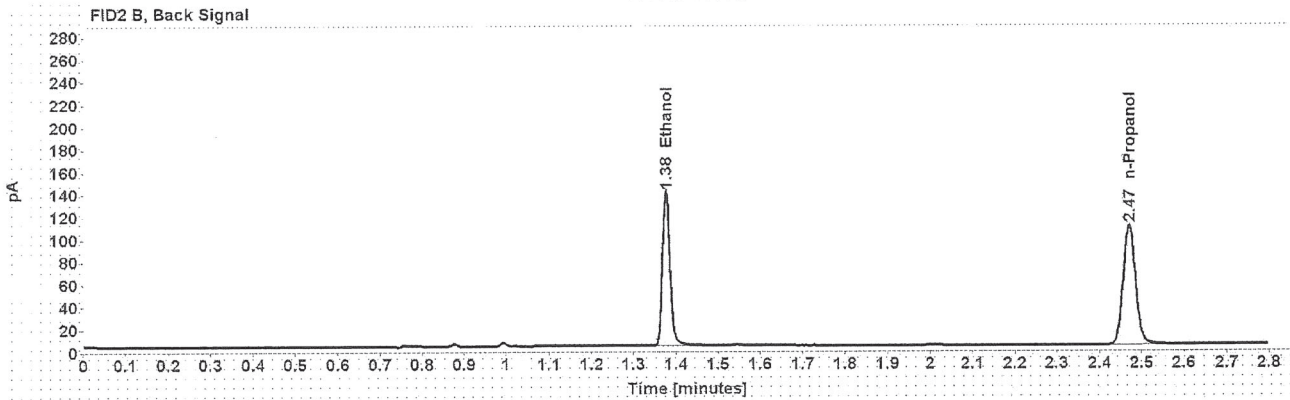
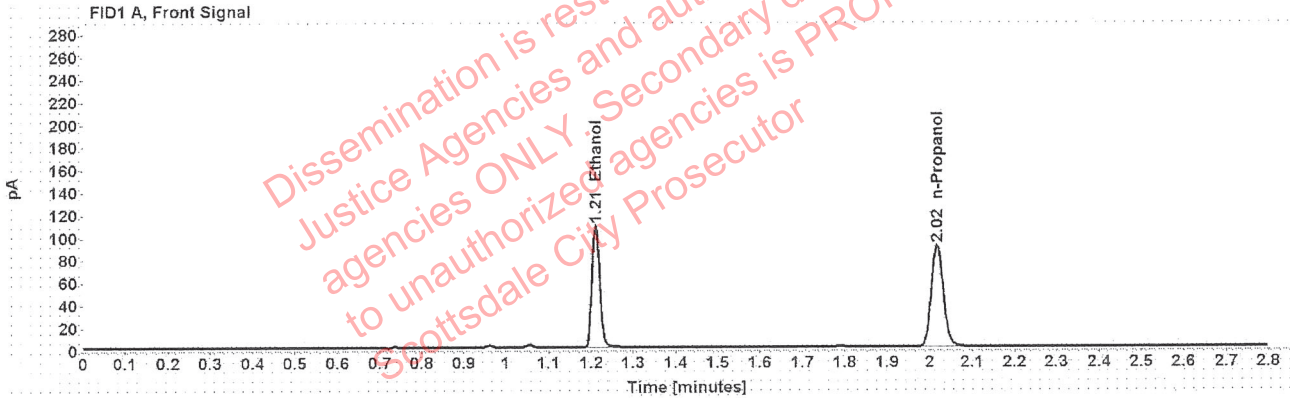


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2089	1.211	138.627
n-Propanol	-----	2.017	180.162

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

Compound	Time (min)	Peak Area
Ethanol	1.376	172.632
n-Propanol	2.470	217.402

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1324585	Vial: 30
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 5:06:46 PM
Data file: C:\Chem32\1\Data\10Jun20\30.D	Analyst: Brooke

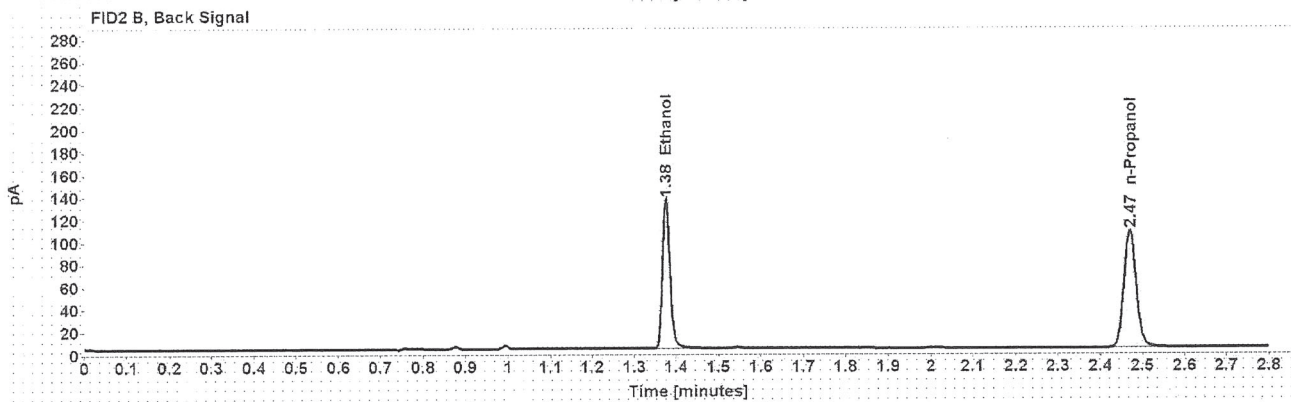
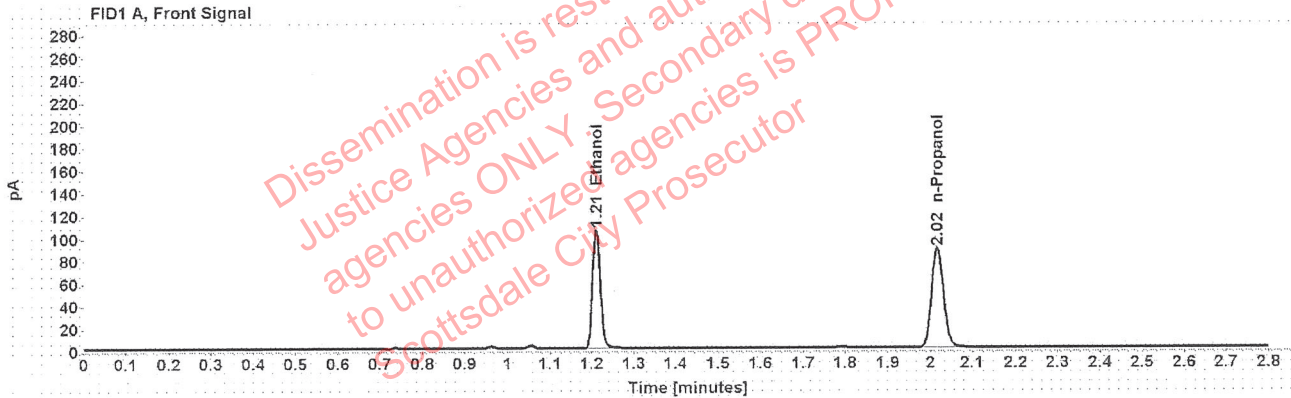


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2076	1.211	134.487
n-Propanol	-----	2.017	175.879

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

Compound	Time (min)	Peak Area
Ethanol	1.376	167.321
n-Propanol	2.470	212.210



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323735	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:15:02 PM
Data file:	C:\Chem32\1\Data\10Jun20\32.D	Analyst:	Brooke

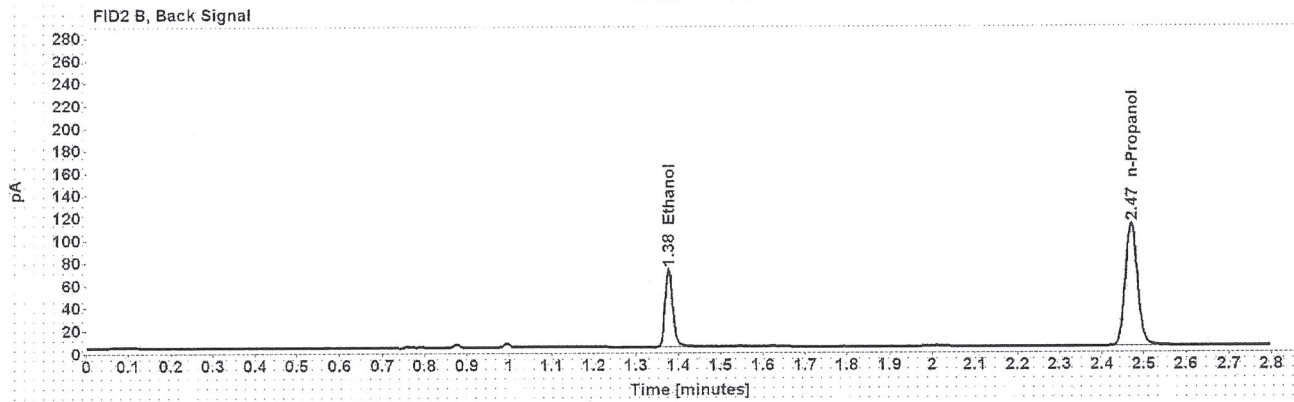
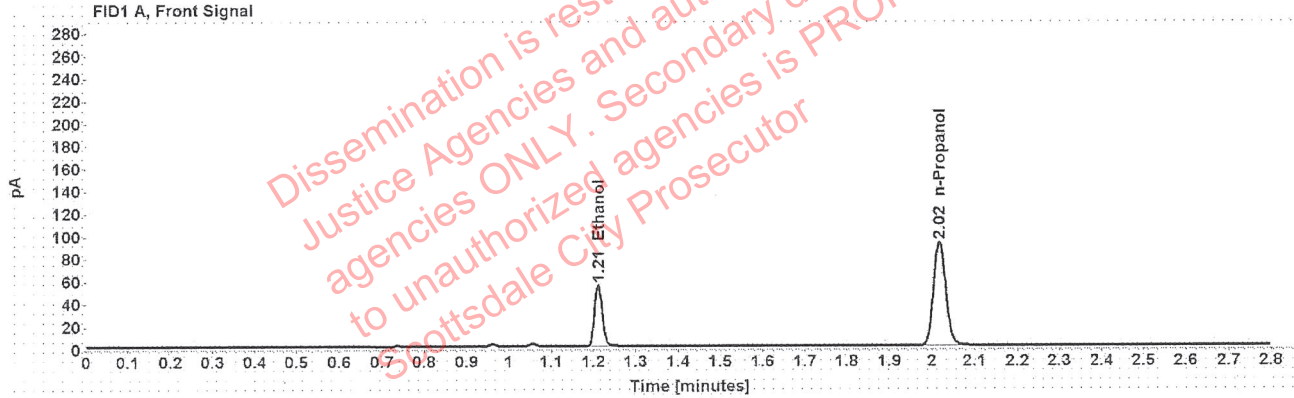


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1048	1.211	70.122
n-Propanol	-----	2.017	183.562

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

Compound	Time (min)	Peak Area
Ethanol	1.377	86.685
n-Propanol	2.470	222.256

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323735	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:19:02 PM
Data file:	C:\Chem32\11\Data\10Jun20\33.D	Analyst:	Brooke

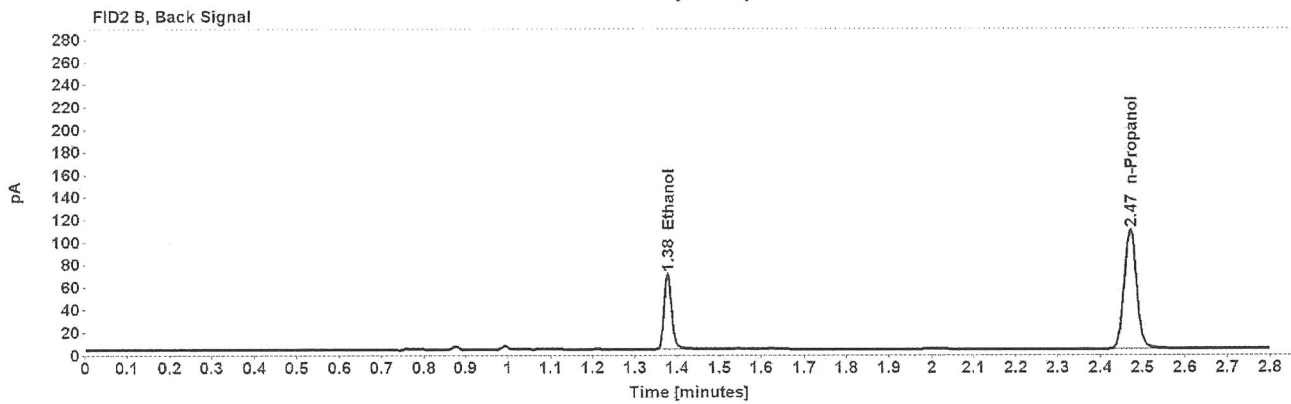
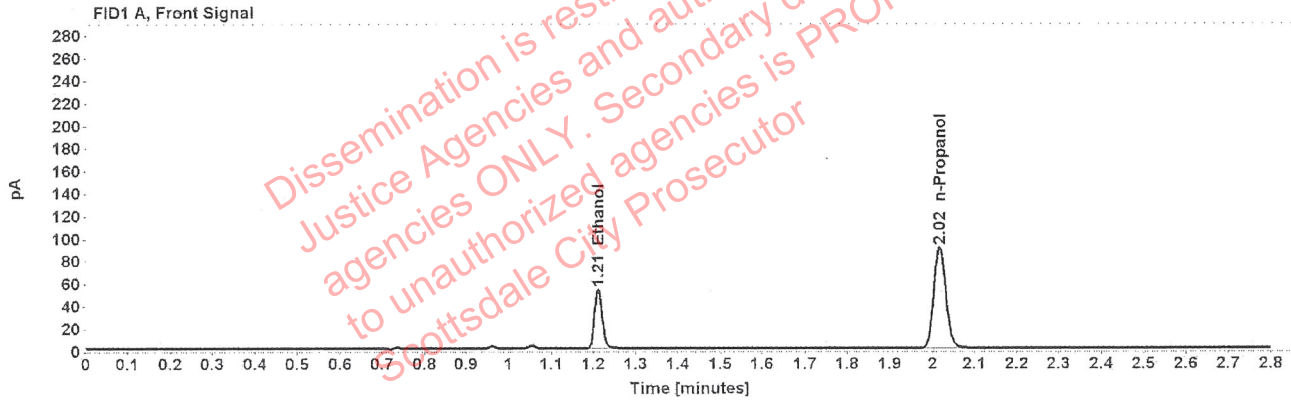


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1042	1.211	68.087
n-Propanol	-----	2.017	179.203

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

Compound	Time (min)	Peak Area
Ethanol	1.377	84.395
n-Propanol	2.470	217.375

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1324800	Vial: 34
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 5:23:01 PM
Data file: C:\Chem32\1\Data\10Jun20\34.D	Analyst: Brooke

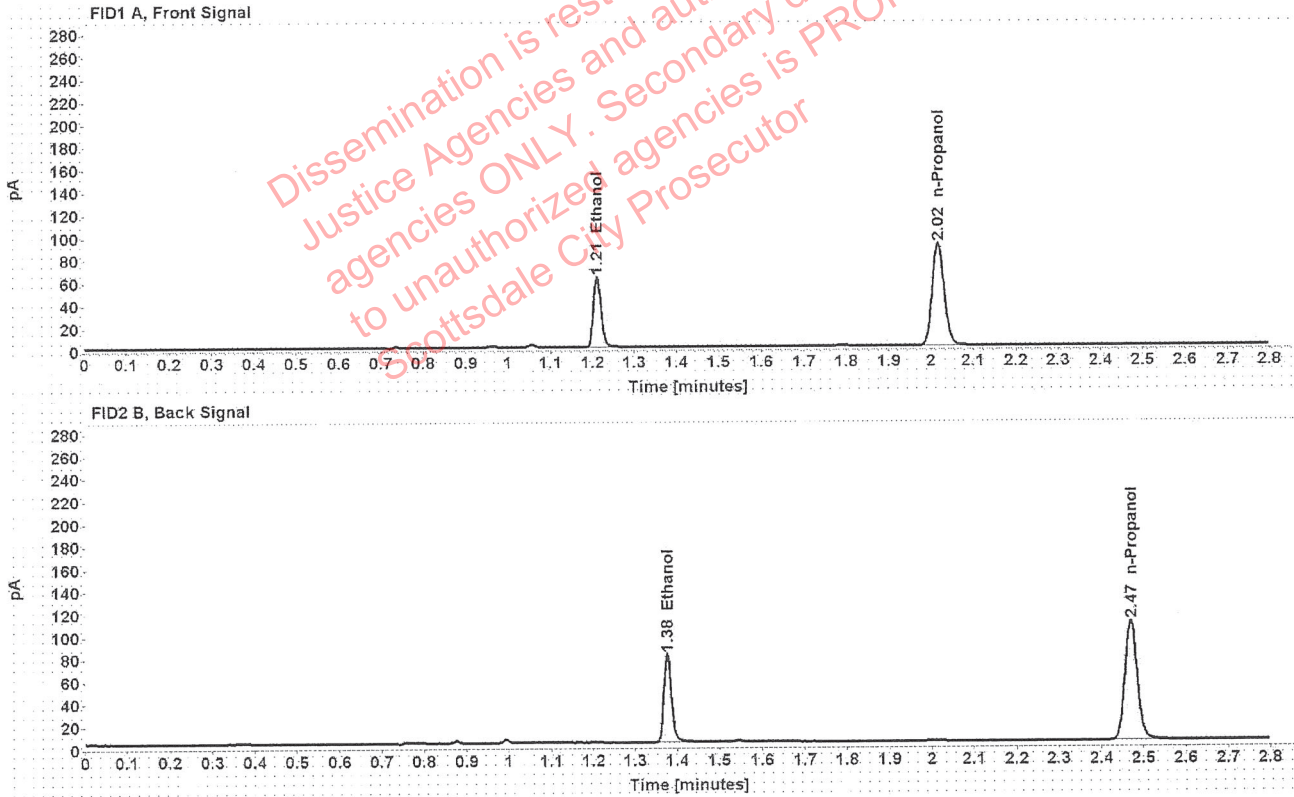


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1211	1.211	79.644
n-Propanol	-----	2.017	179.915

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

Compound	Time (min)	Peak Area
Ethanol	1.377	98.552
n-Propanol	2.469	217.071

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1324800	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:27:02 PM
Data file:	C:\Chem32\1\Data\10Jun20\35.D	Analyst:	Brooke

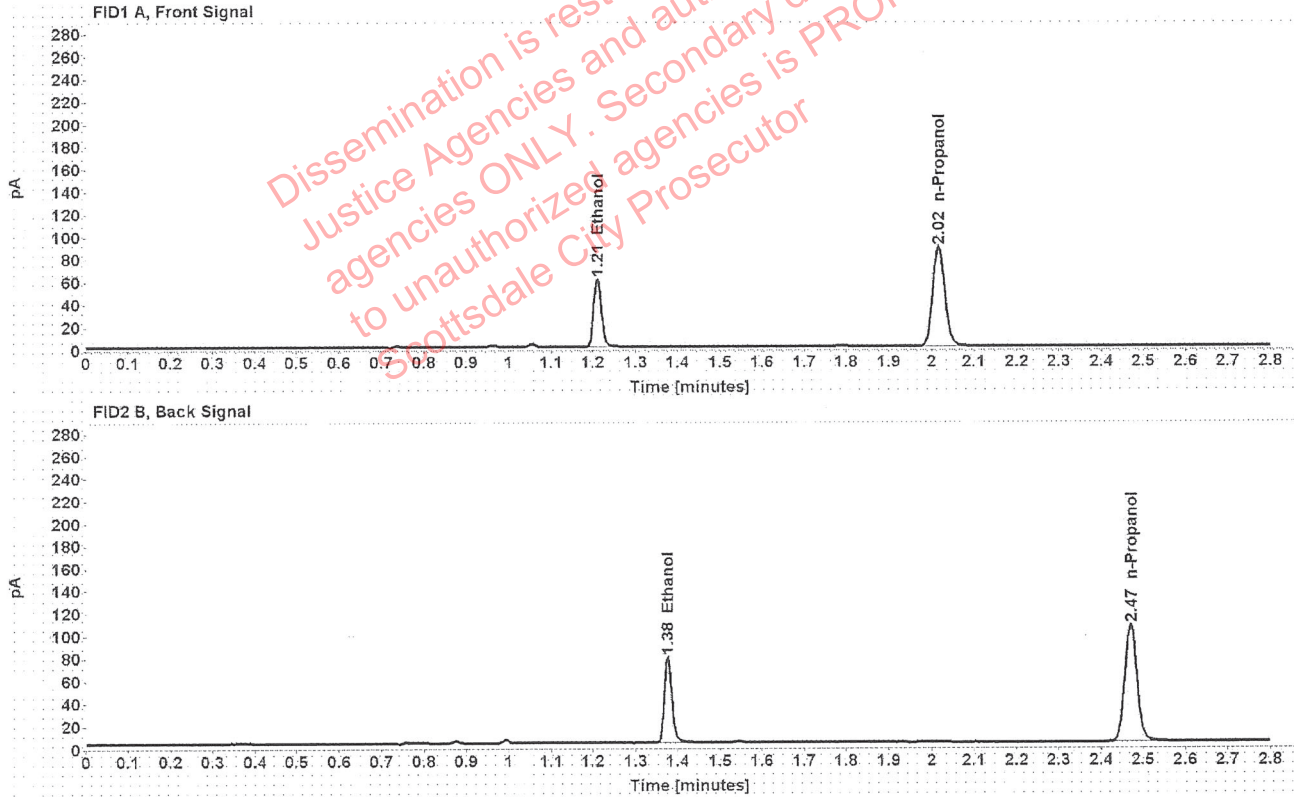


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1202	1.211	77.136
n-Propanol	-----	2.017	175.503

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

Compound	Time (min)	Peak Area
Ethanol	1.376	95.364
n-Propanol	2.469	211.823

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322942	Vial: 36
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 5:31:01 PM
Data file: C:\Chem32\1\Data\10Jun20\36.D	Analyst: Brooke

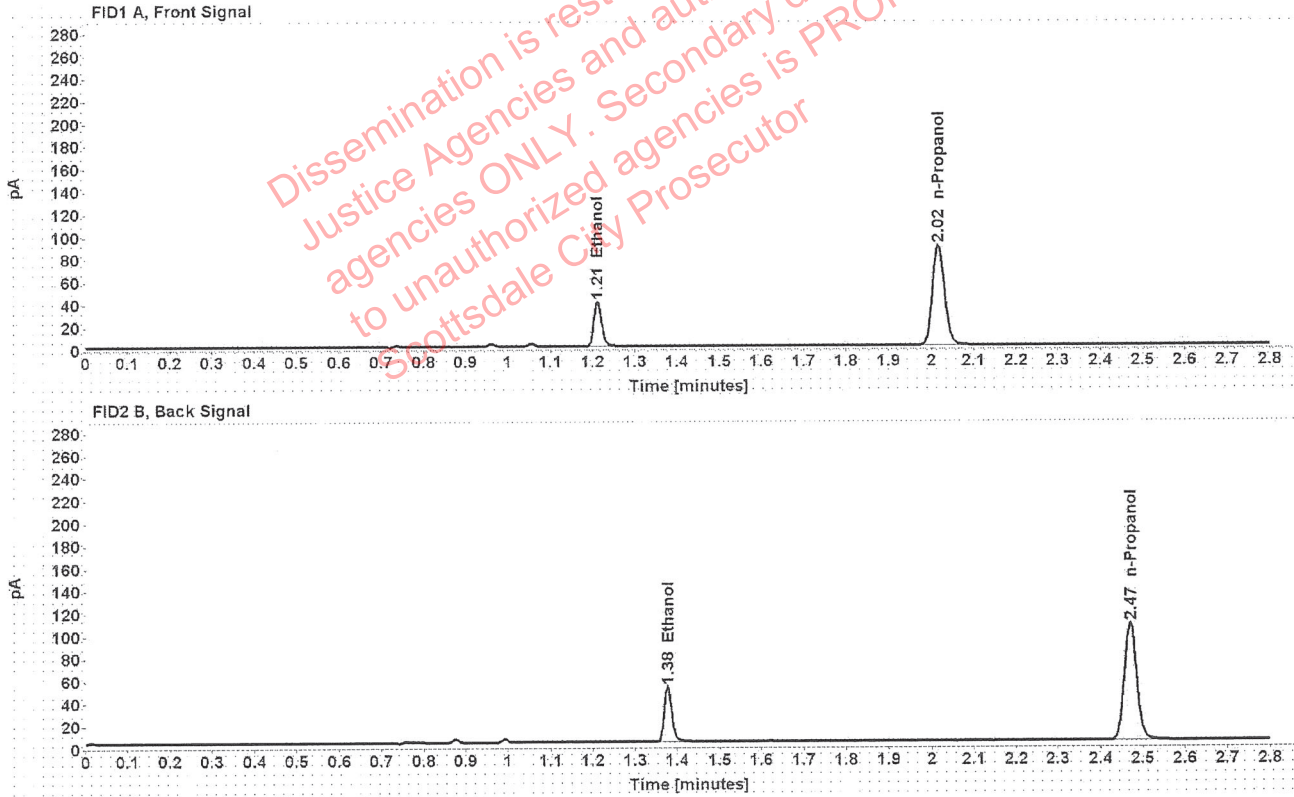


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0791	1.212	50.579
n-Propanol	-----	2.017	176.571

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

Compound	Time (min)	Peak Area
Ethanol	1.377	62.503
n-Propanol	2.470	213.792

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322942	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:35:16 PM
Data file:	C:\Chem32\1\Data\10Jun20\37.D	Analyst:	Brooke

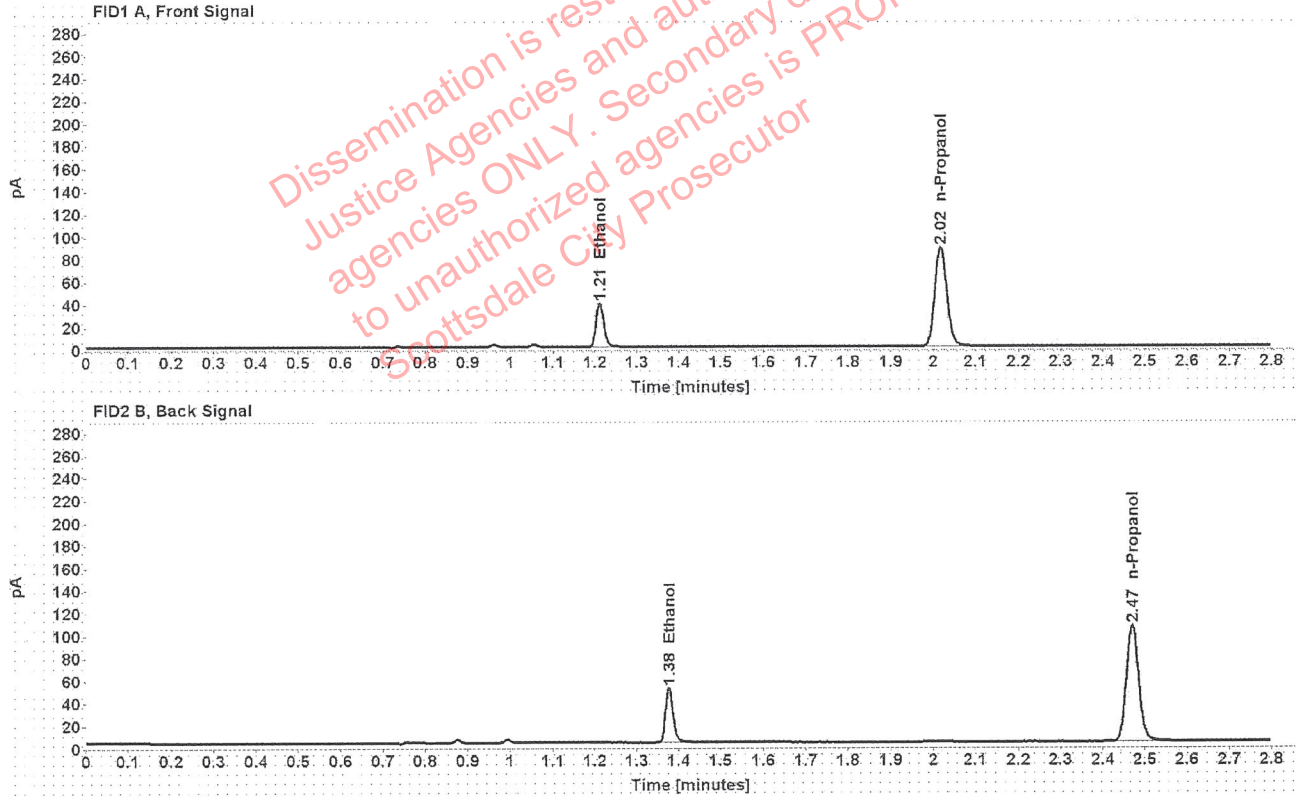


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0791	1.212	50.091
n-Propanol	-----	2.017	174.961

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

Compound	Time (min)	Peak Area
Ethanol	1.377	61.566
n-Propanol	2.470	211.692

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297884	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:39:17 PM
Data file:	C:\Chem32\1\Data\10Jun20\38.D	Analyst:	Brooke

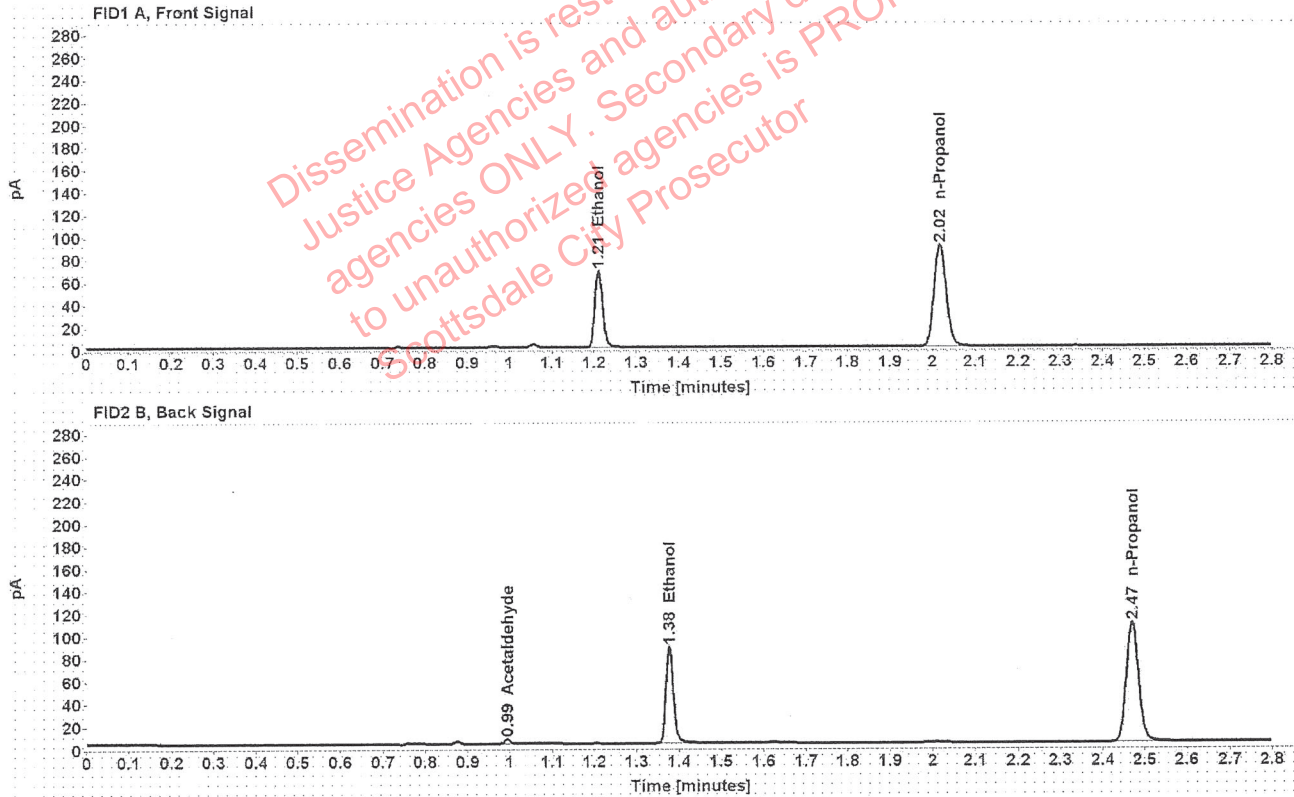


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1323	1.211	86.724
n-Propanol	-----	2.017	178.980

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.830
Ethanol	1.377	107.384
n-Propanol	2.470	217.022

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297884	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:43:16 PM
Data file:	C:\Chem32\1\Data\10Jun20\39.D	Analyst:	Brooke

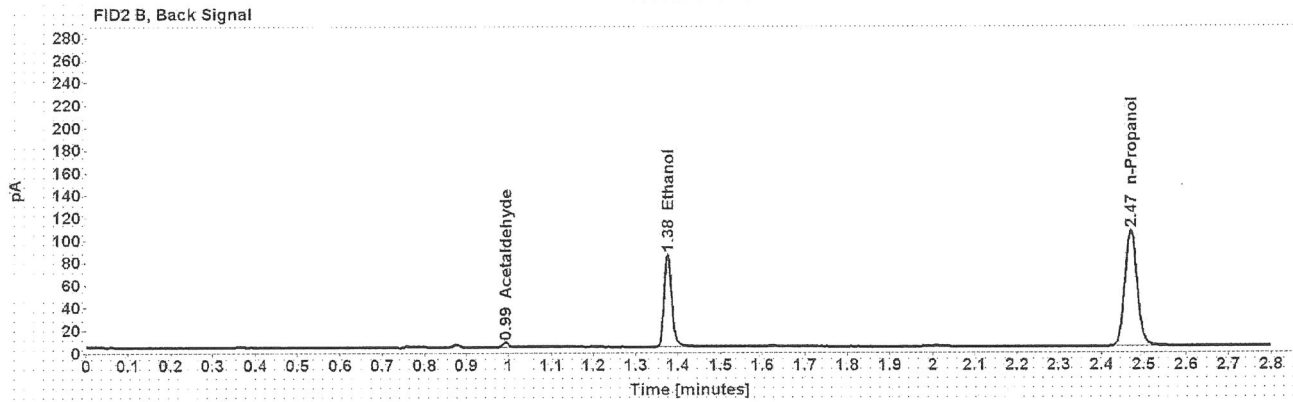
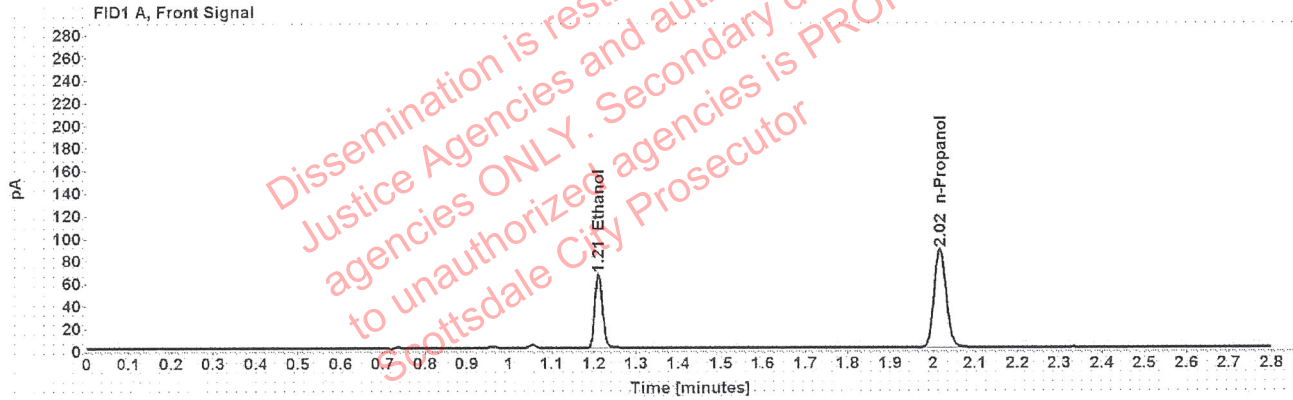


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1312	1.210	83.793
n-Propanol	-----	2.016	174.442

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.880
Ethanol	1.375	103.626
n-Propanol	2.469	211.329



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322142	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/10/2020 5:47:16 PM
Data file:	C:\Chem32\1\Data\10Jun20\40.D	Analyst:	Brooke

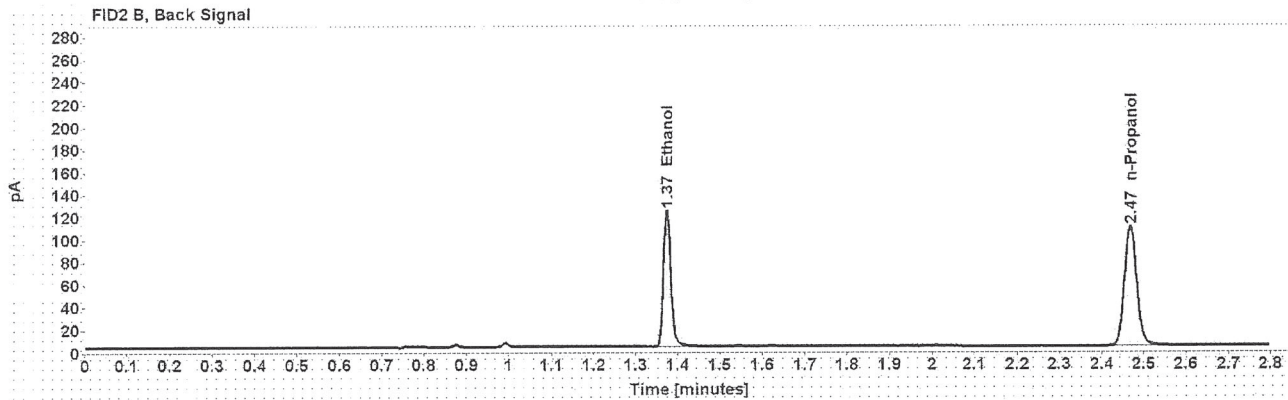
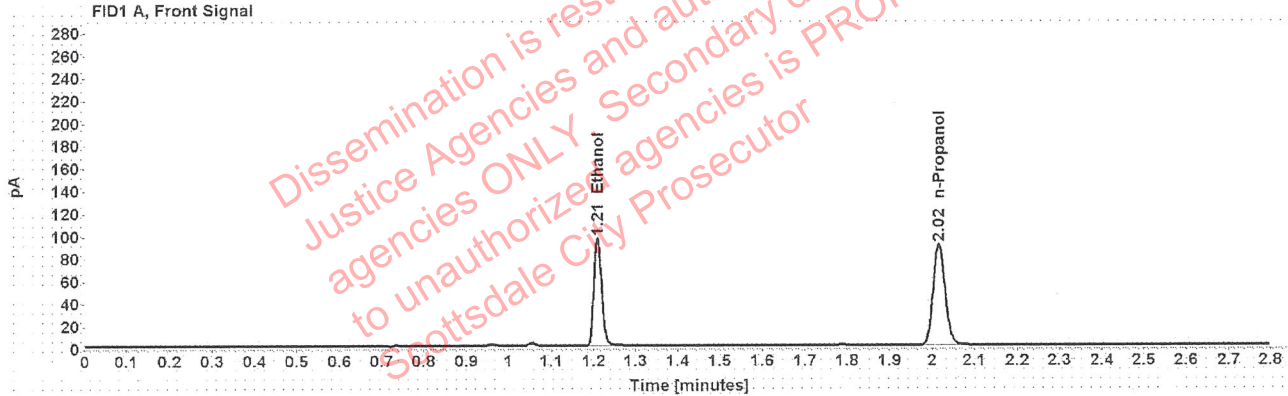


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1856	1.209	122.683
n-Propanol	-----	2.016	179.655

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

Compound	Time (min)	Peak Area
Ethanol	1.374	153.911
n-Propanol	2.468	217.322

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322142	Vial: 41
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 10Jun20
Instrument: US14173023 CN14160045	Injection date: 6/10/2020 5:51:16 PM
Data file: C:\Chem32\1\Data\10Jun20\41.D	Analyst: Brooke

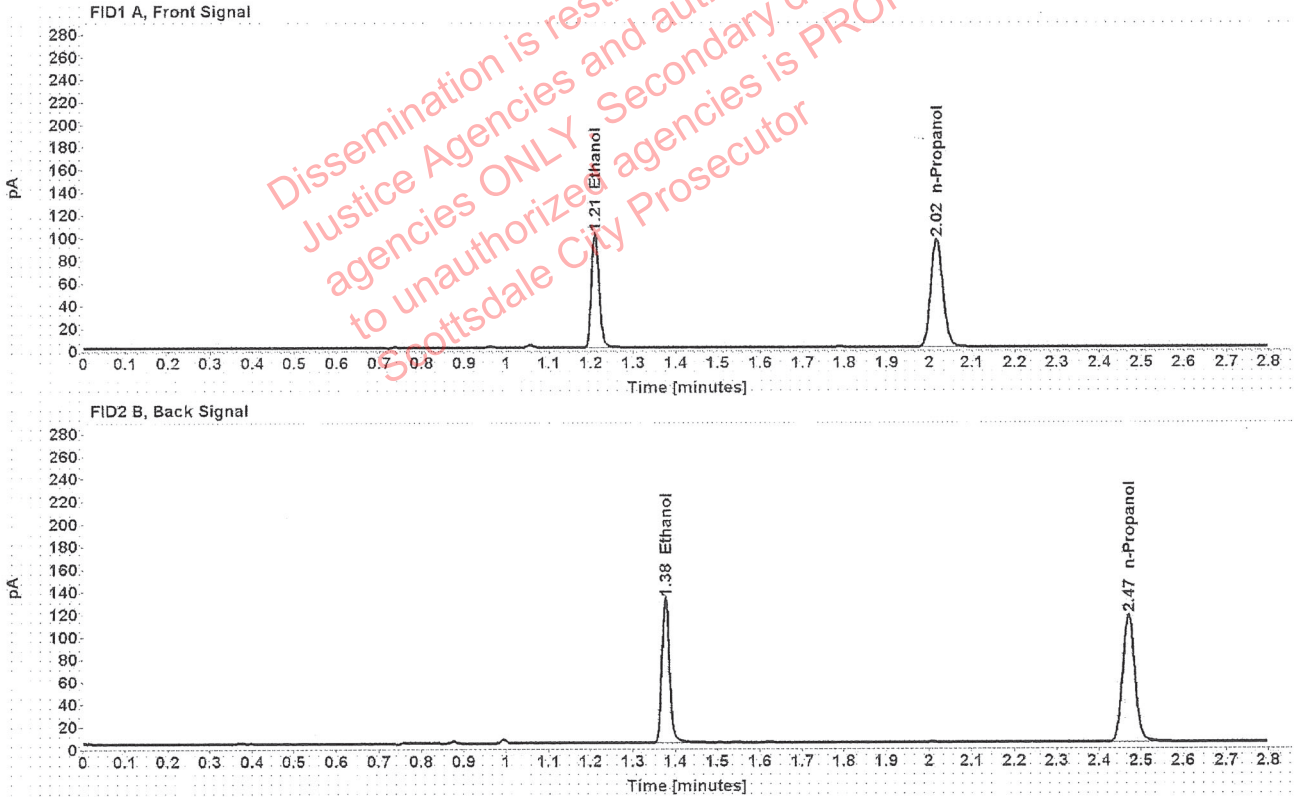


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1849	1.211	130.001
n-Propanol	-----	2.017	191.097

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

Compound	Time (min)	Peak Area
Ethanol	1.376	163.171
n-Propanol	2.470	231.907