

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 09/01/2020 SEQUENCE NAME 01Sep20

**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 FN02271802 0.99999  
 Vial 3 0.20 calibrator Lot FN06231704  
 Vial 4 0.40 calibrator Lot FN05131606

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 071420AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.405 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.202 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.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Run valid  Ann Albarran Run valid  Eike Canonic  
 Run invalid  Analyst Run invalid  Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

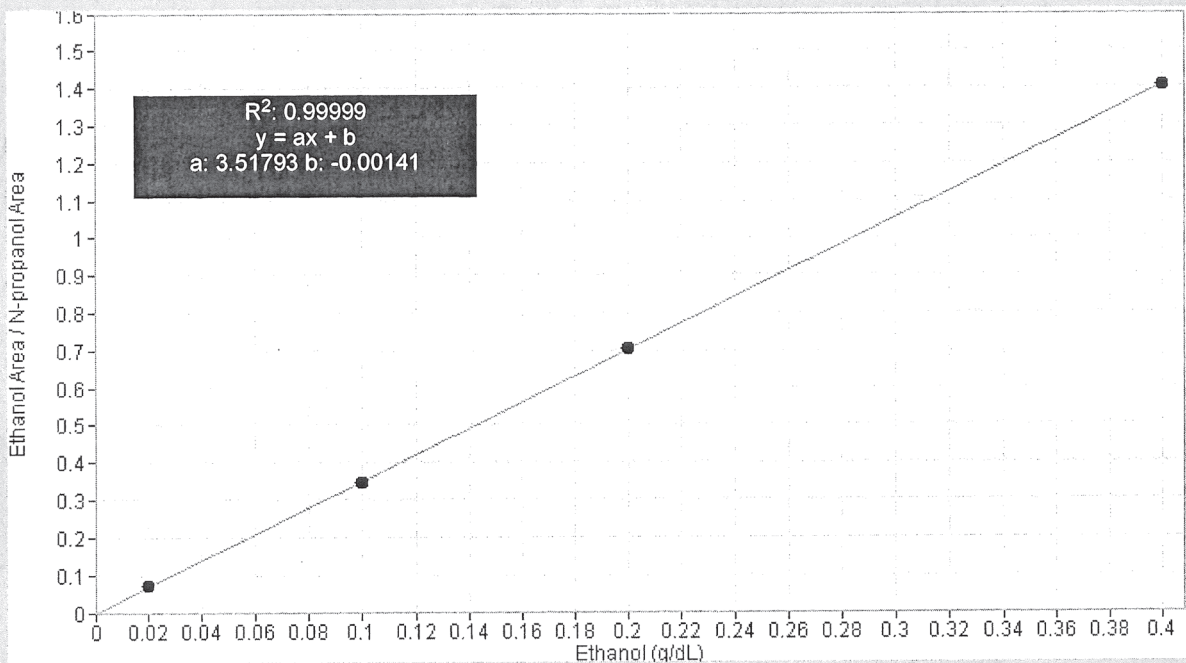
SEQUENCE NAME: 01Sep20

ANALYST: Abbott *ah*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 071420AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.403	0.400	0.75	0.003
0.040 14082019-B	8	0.039	0.040	2.50	-0.001
0.198 407041529/13	9	0.200	0.198	1.01	0.002
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.080 03102016-A/1	31	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.405	0.400	1.25	0.005
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.198 407041529/13	44	0.202	0.198	2.02	0.004
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.591	180.298	0.070
0.100	60.317	173.359	0.348
0.200	122.470	173.918	0.704
0.400	239.660	170.536	1.405

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> 01Sep20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/1/2020 12:13:39 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\01Sep20\1.D	

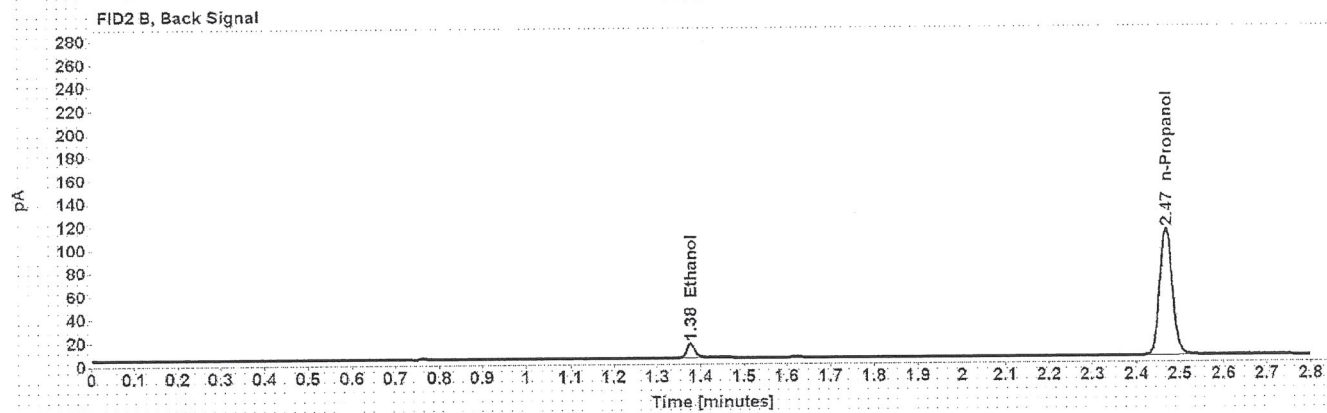
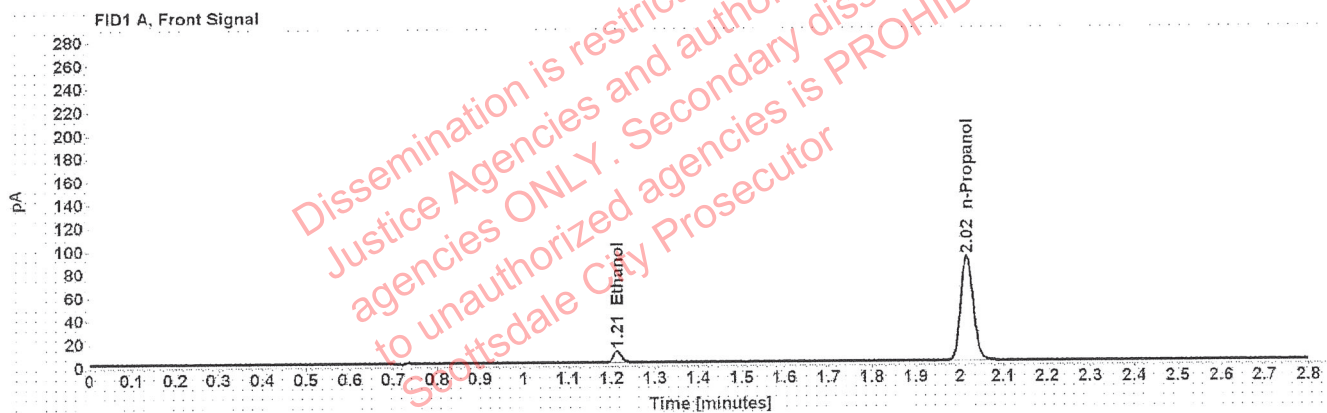


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	12.591
n-Propanol	2.016	180.298

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

Compound	Time (min)	Peak Area
Ethanol	1.377	15.760
n-Propanol	2.468	220.963

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 01Sep20
Method: ethanol quant.M	Injection date: 9/1/2020 12:17:39 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\01Sep20\2.D	

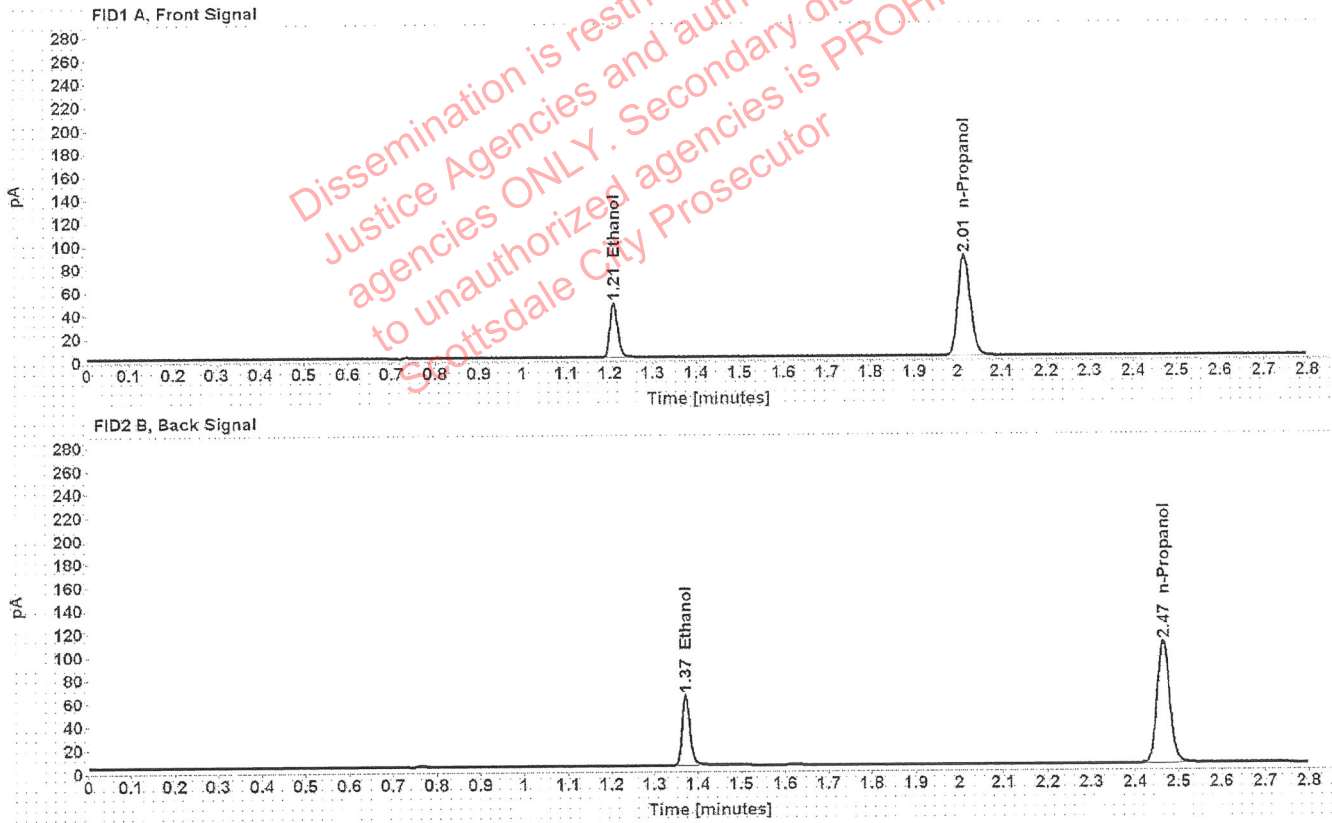


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	60.317
n-Propanol	2.014	173.359

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

Compound	Time (min)	Peak Area
Ethanol	1.372	75.355
n-Propanol	2.465	213.191

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 01Sep20
Method: ethanol quant.M	Injection date: 9/1/2020 12:21:39 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\01Sep20\3.D	

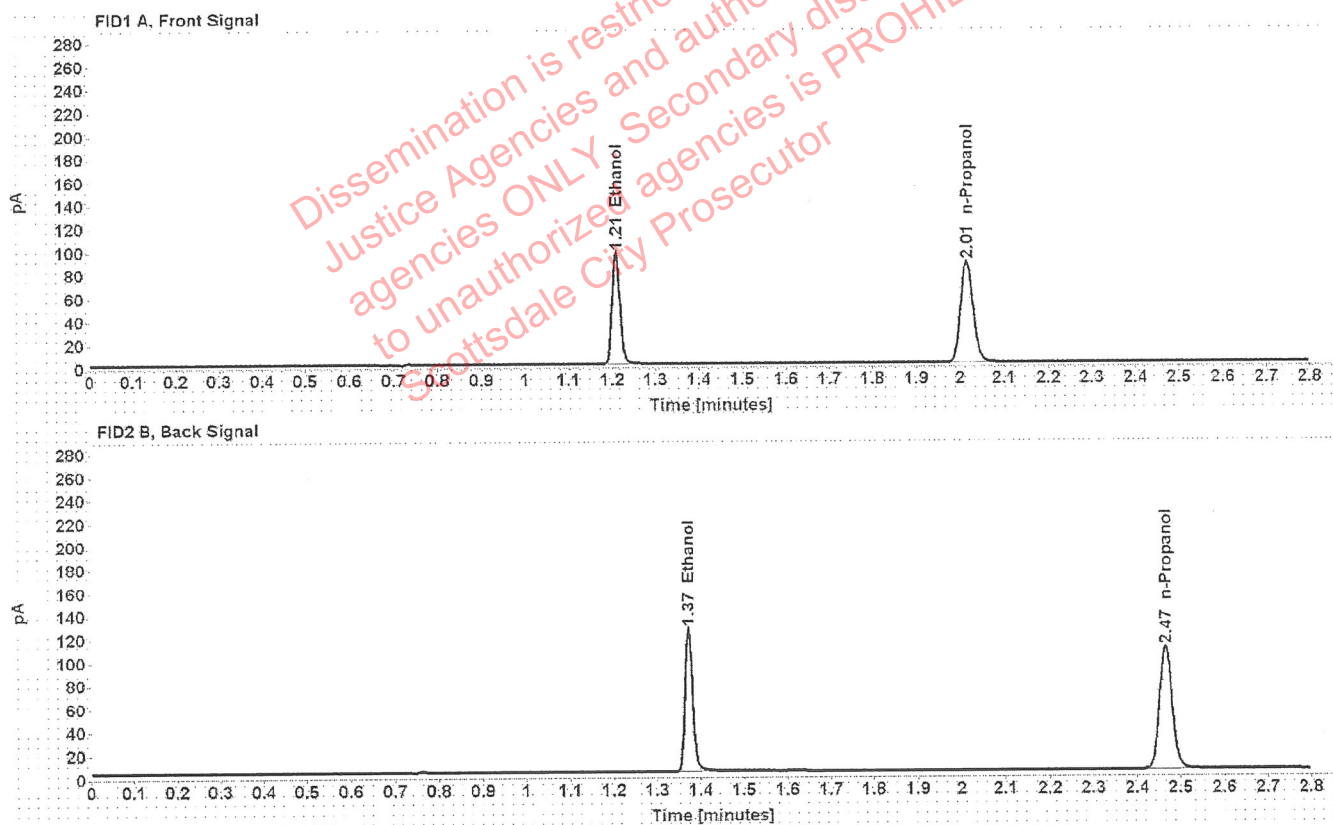


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	122.470
n-Propanol	2.015	173.918

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

Compound	Time (min)	Peak Area
Ethanol	1.372	153.324
n-Propanol	2.466	213.916

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 01Sep20
Method: ethanol quant.M	Injection date: 9/1/2020 12:25:39 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>du</i>
Data file: C:\Chem32\1\Data\01Sep20\4.D	

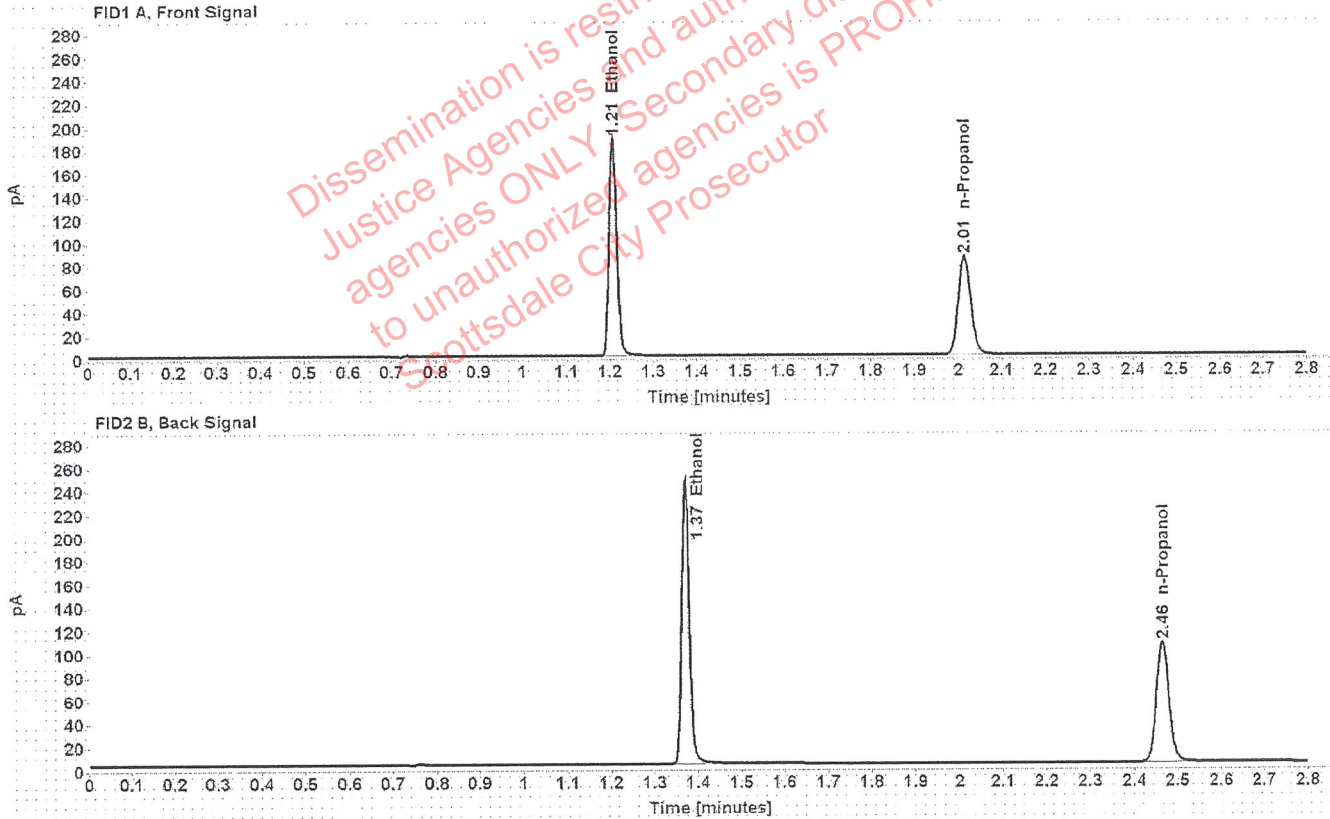


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	239.660
n-Propanol	2.014	170.536

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

Compound	Time (min)	Peak Area
Ethanol	1.371	300.951
n-Propanol	2.465	209.944

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 071420AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 12:29:38 PM
Data file: C:\Chem32\1\Data\01Sep20\5.D	Analyst: Abbott

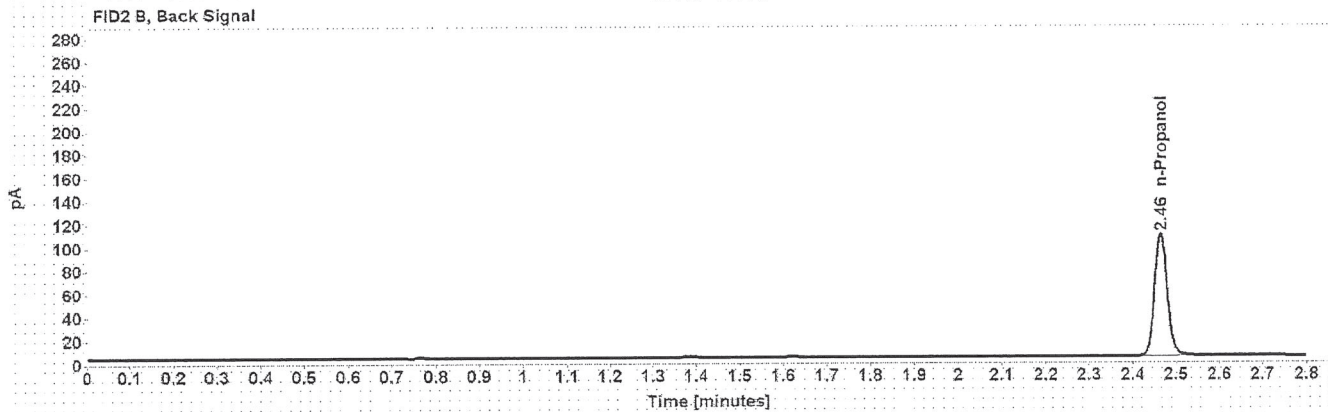
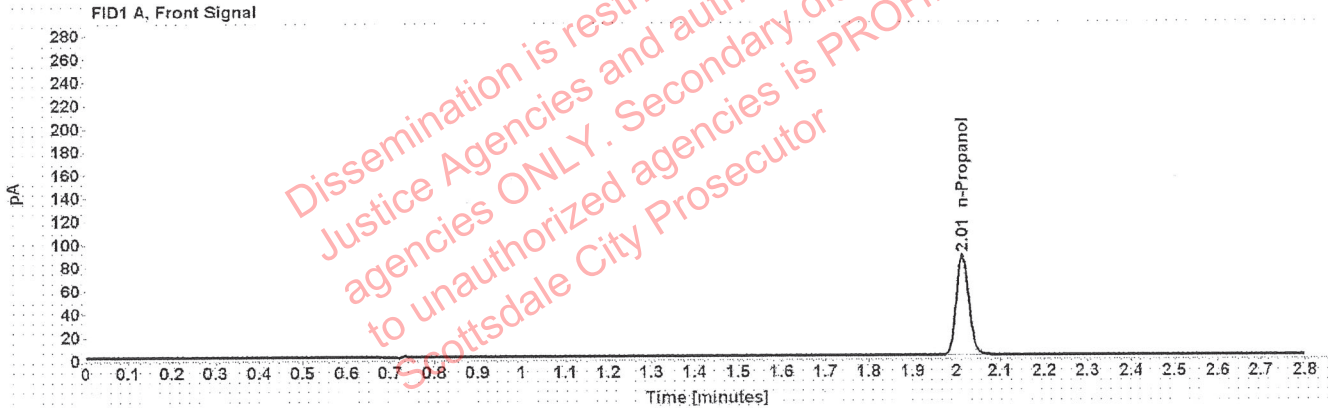


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	173.274

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	213.085

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 12:33:39 PM
Data file: C:\Chem32\1\Data\01Sep20\6.D	Analyst: Abbott

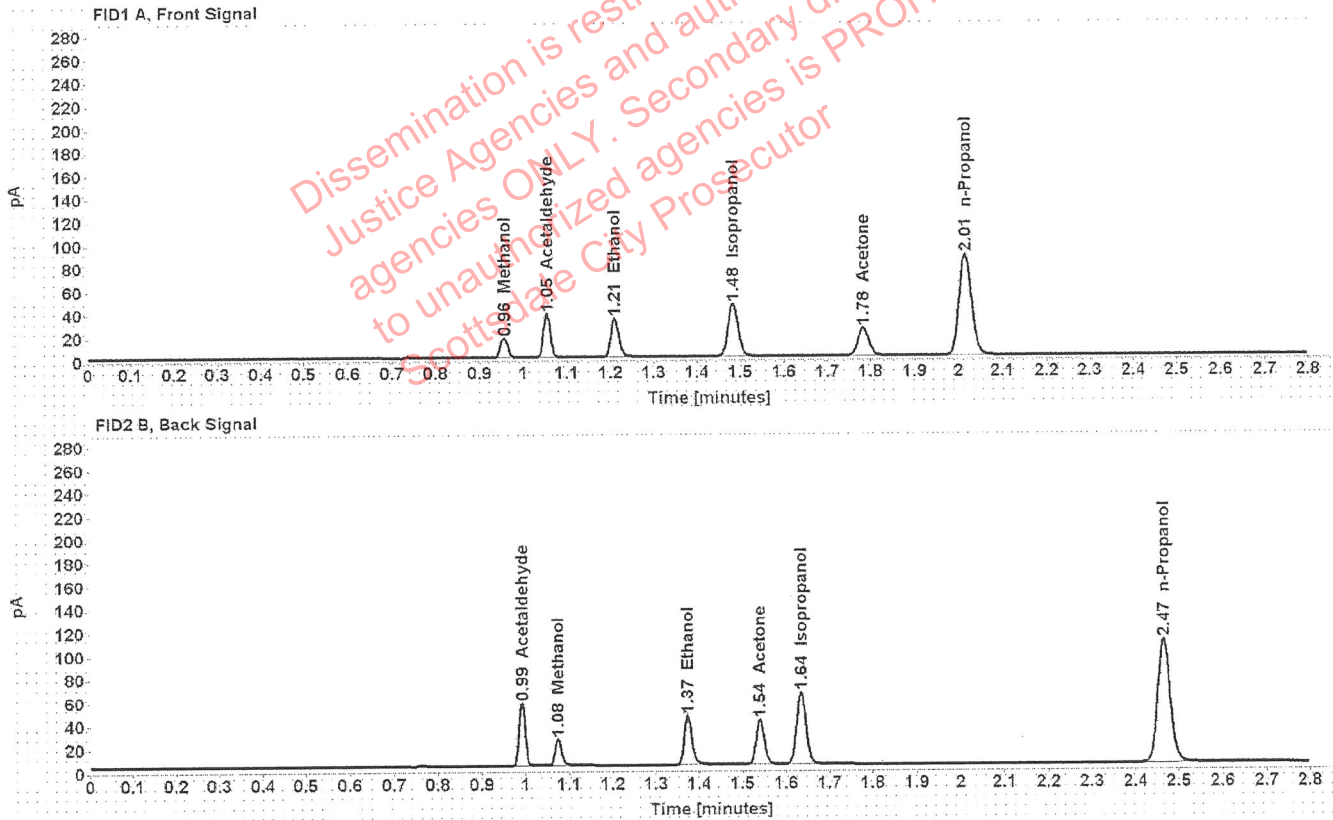


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.824
Acetaldehyde	-----	1.054	40.939
>Ethanol	0.0696	1.210	42.486
Isopropanol	-----	1.483	72.794
Acetone	-----	1.783	41.188
n-Propanol	-----	2.015	174.412

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	53.179
Methanol	1.075	24.259
Ethanol	1.374	53.049
Acetone	1.540	50.840
Isopropanol	1.635	93.595
n-Propanol	2.466	214.815



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 12:37:54 PM
Data file: C:\Chem32\1\Data\01Sep20\7.D	Analyst: Abbott

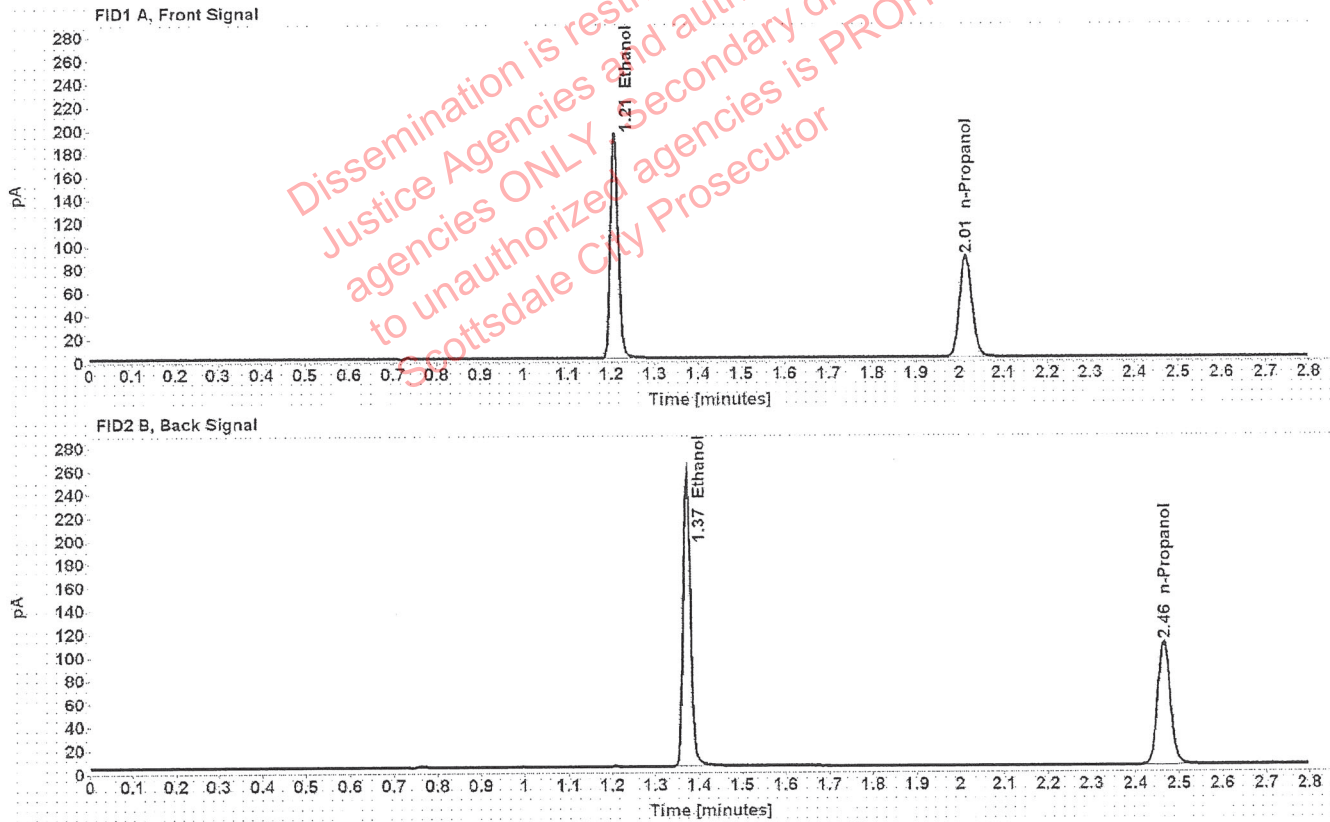


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4033	1.207	247.220
n-Propanol	-----	2.014	174.402

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

Compound	Time (min)	Peak Area
Ethanol	1.372	310.373
n-Propanol	2.465	214.672

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 12:41:54 PM
Data file: C:\Chem32\1\Data\01Sep20\8.D	Analyst: Abbott

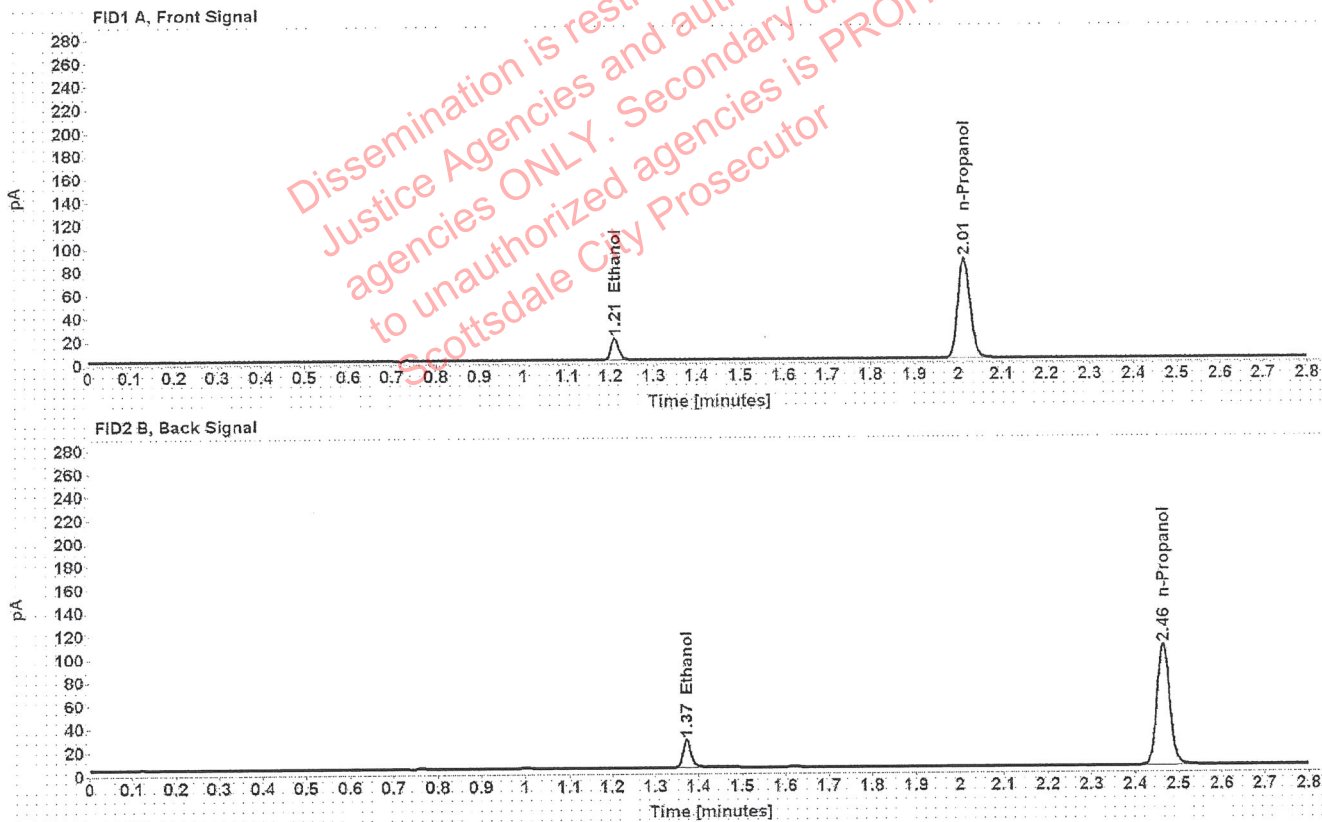


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0399	1.209	23.988
n-Propanol	-----	2.014	172.543

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

Compound	Time (min)	Peak Area
Ethanol	1.373	29.978
n-Propanol	2.465	211.832

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 12:45:54 PM
Data file: C:\Chem32\1\Data\01Sep20\9.D	Analyst: Abbott <i>JA</i>

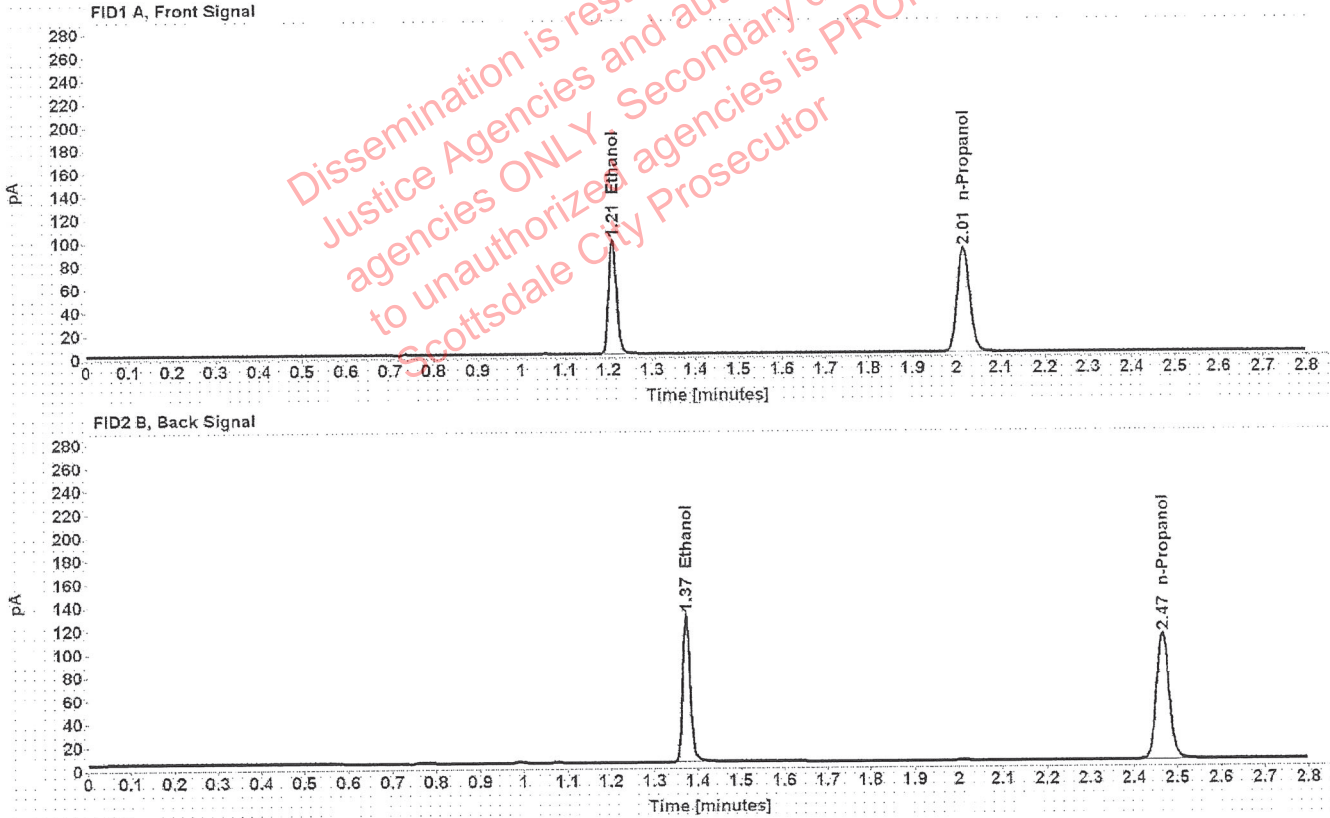


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2002	1.209	126.215
n-Propanol	-----	2.015	179.527

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

Compound	Time (min)	Peak Area
Ethanol	1.374	157.339
n-Propanol	2.467	220.621

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 1:30:24 PM
Data file: C:\Chem32\1\Data\01Sep20\20.D	Analyst: Abbott

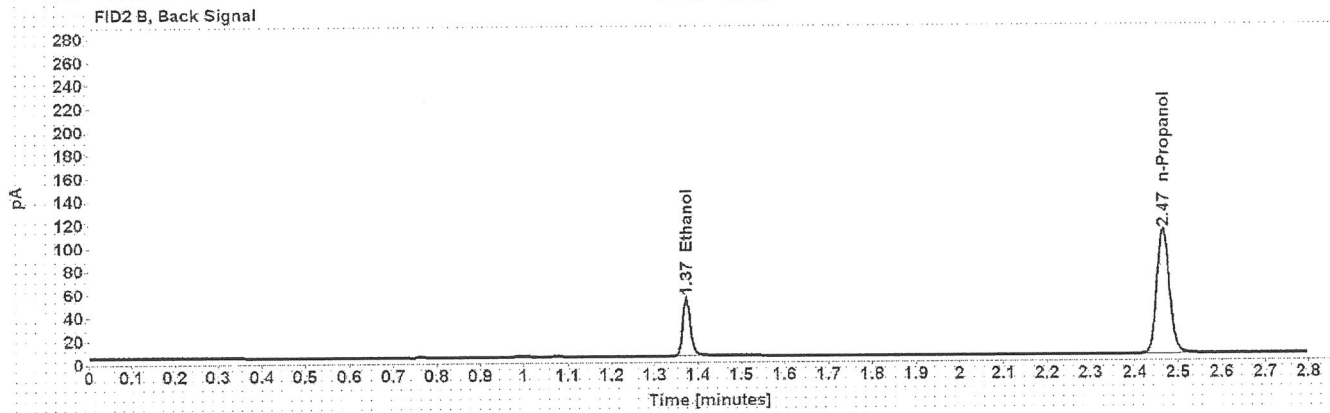
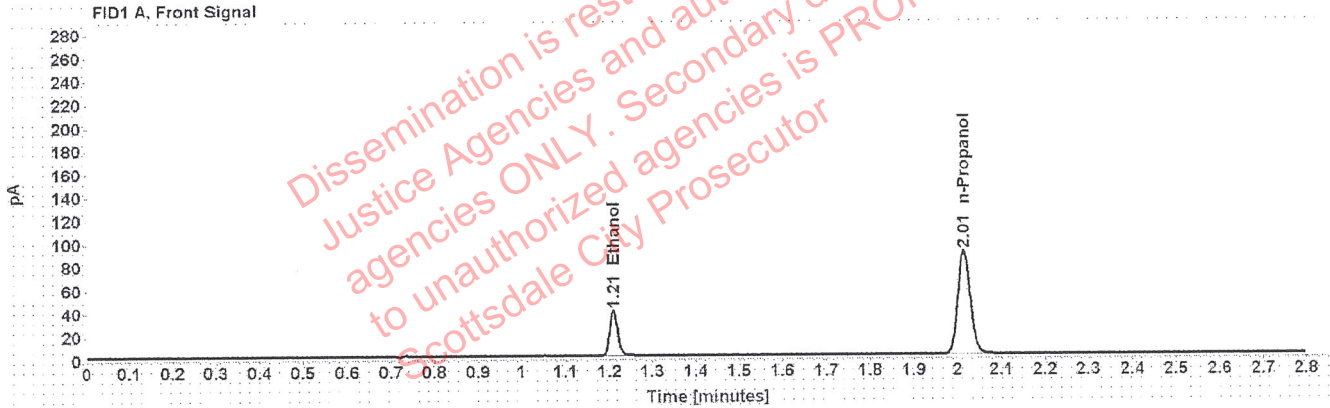


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0804	1.209	50.144
n-Propanol	-----	2.014	178.149

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

Compound	Time (min)	Peak Area
Ethanol	1.373	62.535
n-Propanol	2.466	218.566

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 2:14:54 PM
Data file: C:\Chem32\1\Data\01Sep20\31.D	Analyst: Abbott <i>Abbott</i>

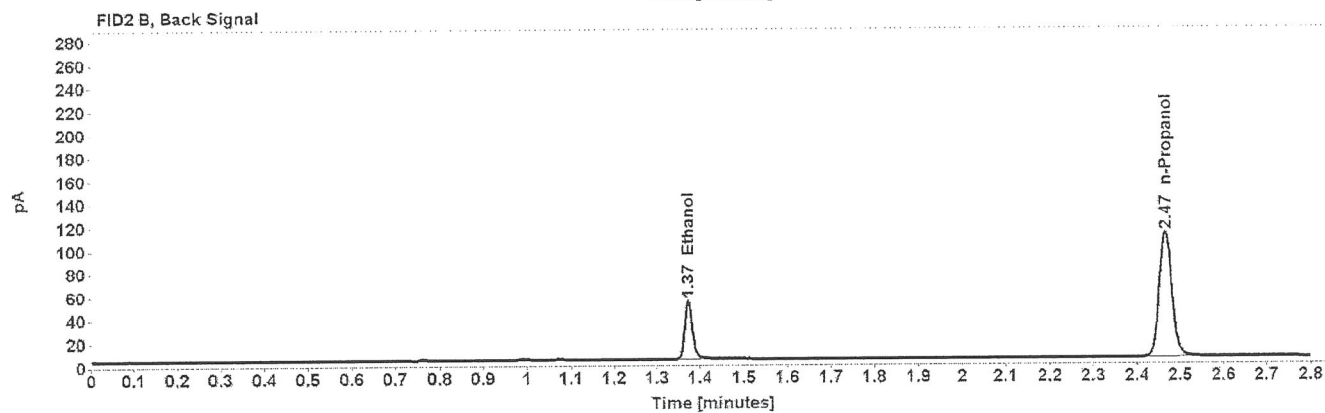
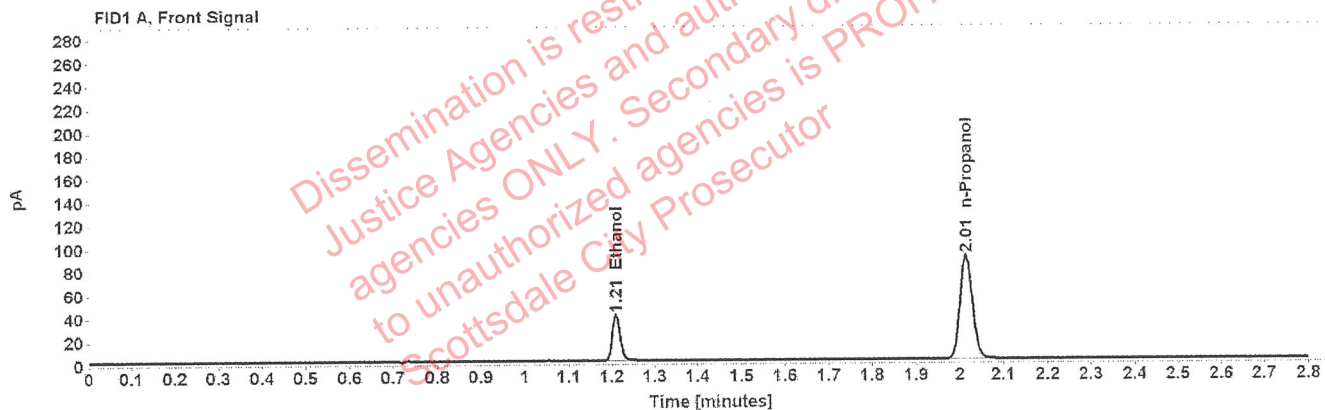


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.209	50.752
n-Propanol	-----	2.014	179.192

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

Compound	Time (min)	Peak Area
Ethanol	1.373	63.162
n-Propanol	2.466	219.397

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:59:10 PM
Data file:	C:\Chem32\1\Data\01Sep20\42.D	Analyst:	Abbott <i>ah</i>

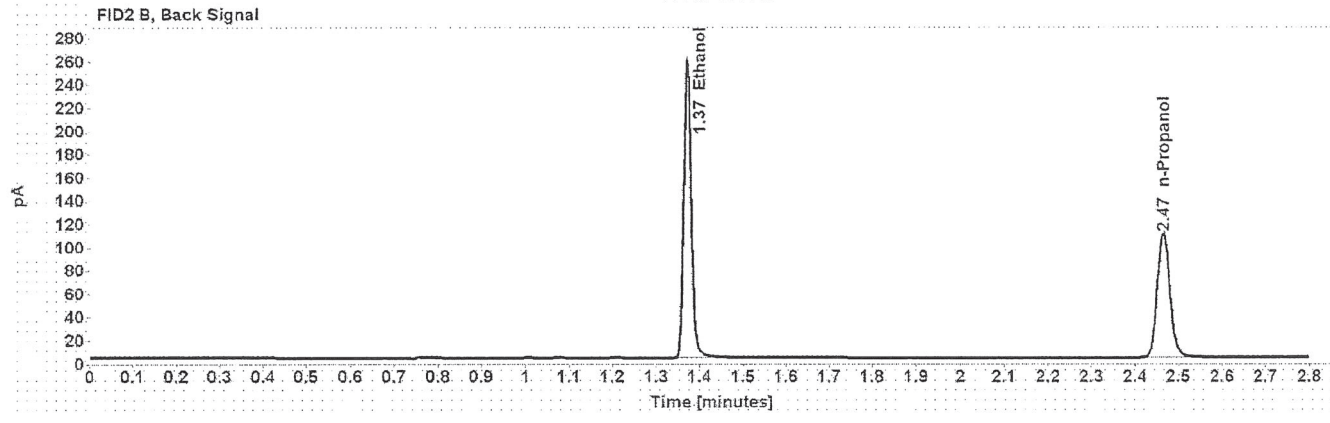
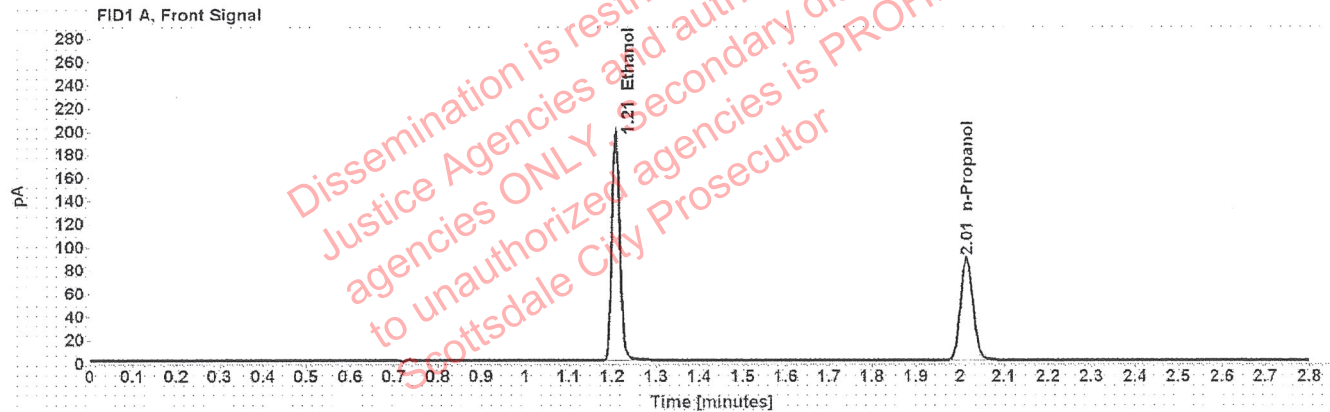


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4053	1.208	251.460
n-Propanol	-----	2.015	176.535

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

Compound	Time (min)	Peak Area
Ethanol	1.372	315.218
n-Propanol	2.466	216.873

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 3:03:24 PM
Data file: C:\Chem32\1\Data\01Sep20\43.D	Analyst: Abbott <i>JA</i>

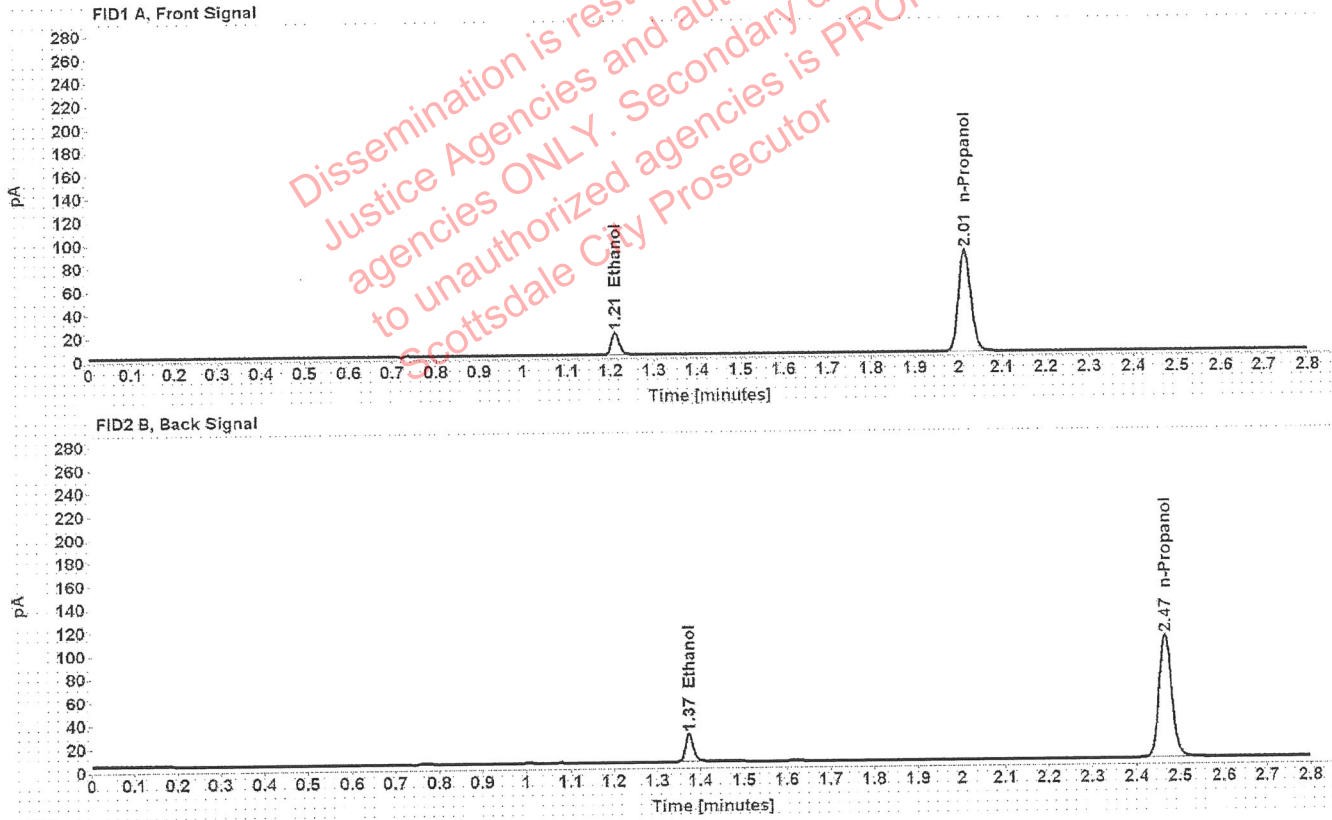


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0404	1.210	24.716
n-Propanol	-----	2.014	175.638

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.733
n-Propanol	2.466	214.892

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 01Sep20
Instrument: US14173023 CN14160045	Injection date: 9/1/2020 3:07:24 PM
Data file: C:\Chem32\1\Data\01Sep20\44.D	Analyst: Abbott <i>DA</i>

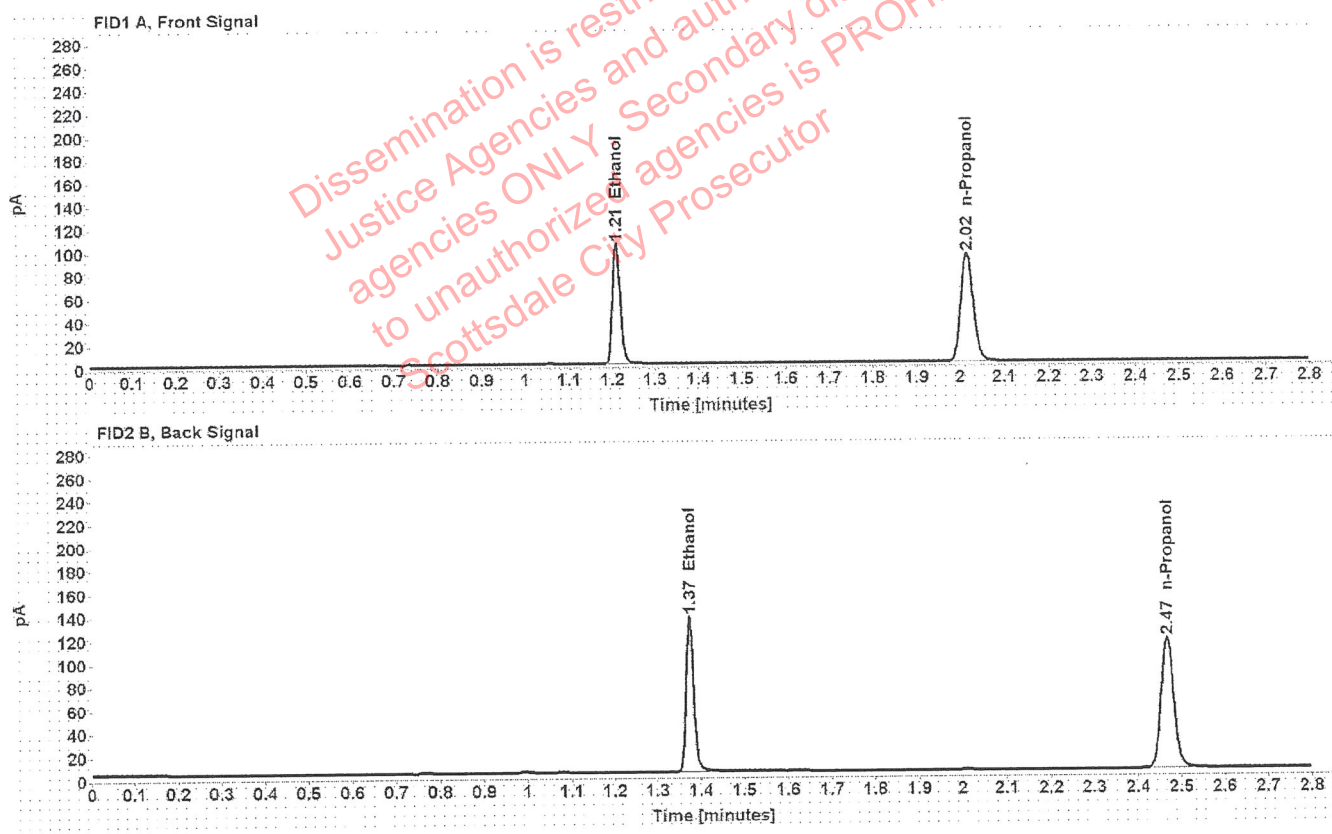


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.209	132.601
n-Propanol	-----	2.015	186.969

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

Compound	Time (min)	Peak Area
Ethanol	1.374	166.242
n-Propanol	2.467	229.140



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040919WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 3:11:24 PM
Data file:	C:\Chem32\1\Data\01Sep20\45.D	Analyst:	Abbott <i>JA</i>

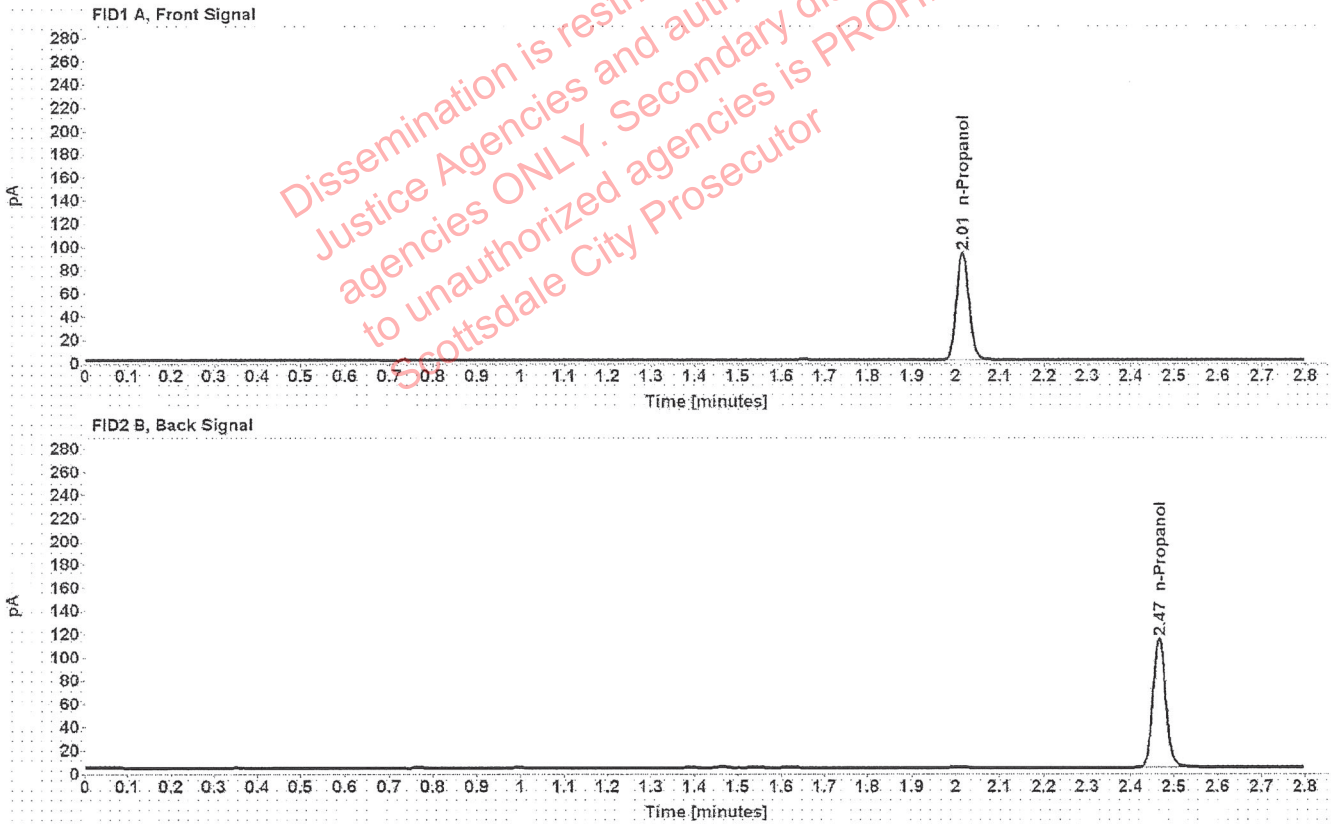


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	185.161


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

Compound	Time (min)	Peak Area
n-Propanol	2.466	226.945

# Sequence Summary

Sequence name: 01Sep20

Instrument: US14173023 CN14160045

Analyst: Abbott 

Vial	Sample	Description	Type	LIMS ID	Method
1	FN06141806	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	071420AQ	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	1144910		Sample		ethanol quant.M
11	1144910		Sample		ethanol quant.M
12	1335116		Sample		ethanol quant.M
13	1335116		Sample		ethanol quant.M
14	1304225		Sample		ethanol quant.M
15	1304225		Sample		ethanol quant.M
16	1334599		Sample		ethanol quant.M
17	1334599		Sample		ethanol quant.M
18	1335050		Sample		ethanol quant.M
19	1335050		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1335409		Sample		ethanol quant.M
22	1335409		Sample		ethanol quant.M
23	32701CR		Sample		ethanol quant.M
24	32701CR		Sample		ethanol quant.M
25	28501MC		Sample		ethanol quant.M
26	28501MC		Sample		ethanol quant.M
27	1335707		Sample		ethanol quant.M
28	1335707		Sample		ethanol quant.M
29	1335772		Sample		ethanol quant.M
30	1335772		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1335211		Sample		ethanol quant.M
33	1335211		Sample		ethanol quant.M
34	1335864		Sample		ethanol quant.M
35	1335864		Sample		ethanol quant.M
36	1335310		Sample		ethanol quant.M
37	1335310		Sample		ethanol quant.M
38	1336125		Sample		ethanol quant.M
39	1336125		Sample		ethanol quant.M
40	1336038		Sample		ethanol quant.M
41	1336038		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

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 01Sep20

ANALYST: Abbott *pl*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1233	0.1222	0.12275	0.45	0.00055
12 13	0.2275	0.2307	0.22910	0.70	0.00160
14 15	0.2133	0.2136	0.21345	0.07	0.00015
16 17	0.2832	0.2819	0.28255	0.23	0.00065
18 19	0.0731	0.0726	0.07285	0.34	0.00025
21 22	0.0000	0.0000	0.00000	0.00	0.00000
23 24	0.1776	0.1775	0.17755	0.03	0.00005
25 26	0.2362	0.2352	0.23570	0.21	0.00050
27 28	0.1529	0.1532	0.15305	0.10	0.00015
29 30	0.1973	0.1979	0.19760	0.15	0.00030
32 33	0.2561	0.2590	0.25755	0.56	0.00145
34 35	0.1423	0.1426	0.14245	0.11	0.00015
36 37	0.1917	0.1919	0.19180	0.05	0.00010
38 39	0.1643	0.1641	0.16420	0.06	0.00010
40 41	0.1714	0.1690	0.17020	0.71	0.00120

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

**Scottsdale Forensic Lab**  
**Blood Alcohol Pipetting Log**

ANALYST: Abbott



SEQUENCE: 01Sep20

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1144910	1144910	1144910	Yes
Vials 12 and 13	1335116	1335116	1335116	Yes
Vials 14 and 15	1304225	1304225	1304225	Yes
Vials 16 and 17	1334599	1334599	1334599	Yes
Vials 18 and 19	1335050	1335050	1335050	Yes
Vials 21 and 22	1335409	1335409	1335409	Yes
Vials 23 and 24	32701CR	32701CR	32701CR	Yes
Vials 25 and 26	28501MC	28501MC	28501MC	Yes
Vials 27 and 28	1335707	1335707	1335707	Yes
Vials 29 and 30	1335772	1335772	1335772	Yes
Vials 32 and 33	1335211	1335211	1335211	Yes
Vials 34 and 35	1335864	1335864	1335864	Yes
Vials 36 and 37	1335310	1335310	1335310	Yes
Vials 38 and 39	1336125	1336125	1336125	Yes
Vials 40 and 41	1336038	1336038	1336038	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1144910	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 12:49:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\10.D	Analyst:	Abbott

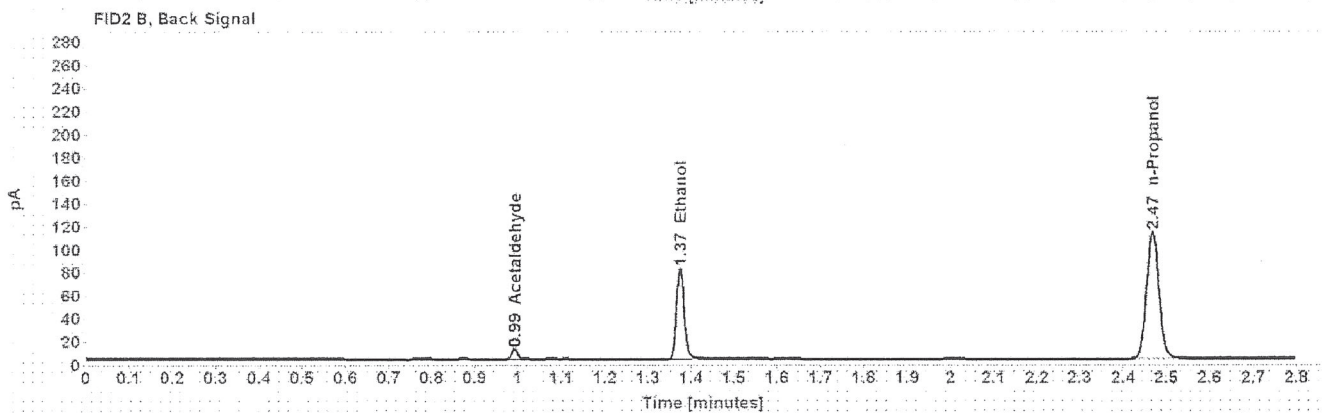
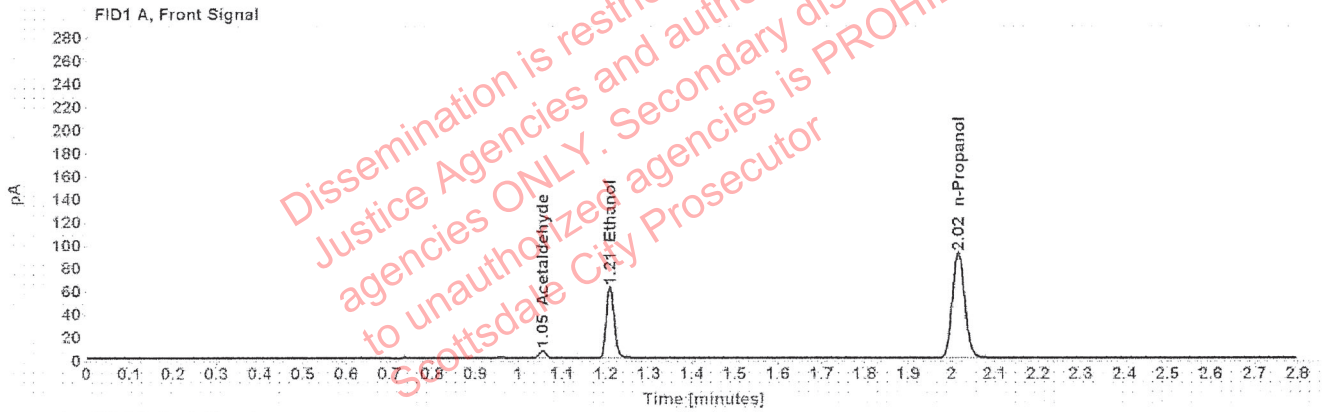


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	6.408
>Ethanol	0.1233	1.210	78.696
n-Propanol	-----	2.015	182.052

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	8.382
Ethanol	1.374	98.228
n-Propanol	2.467	224.088

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1144910	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 12:53:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\11.D	Analyst:	Abbott

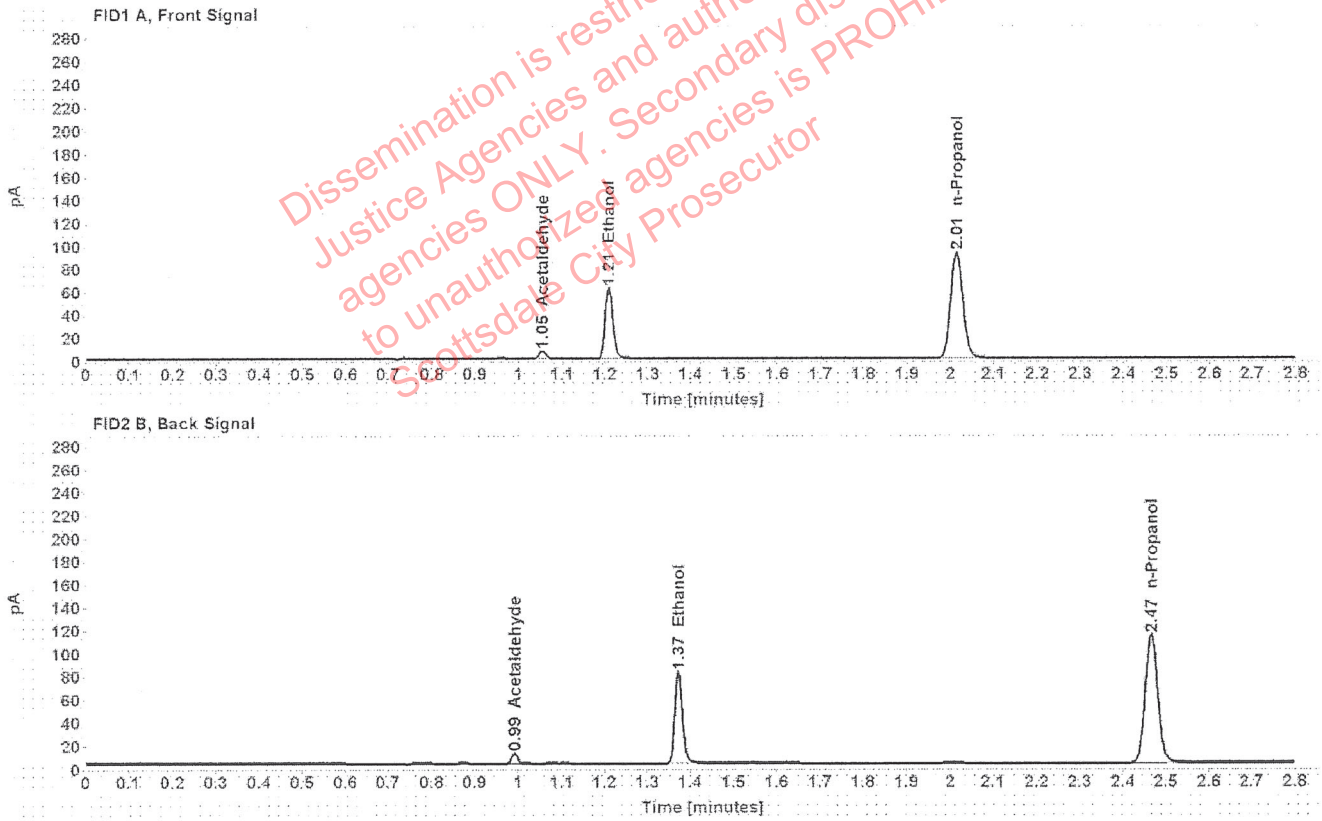


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.054	6.545
>Ethanol	0.1222	1.209	78.740
n-Propanol	-----	2.015	183.826

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	8.540
Ethanol	1.373	98.040
n-Propanol	2.466	226.191

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335116	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 12:57:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\12.D	Analyst:	Abbott

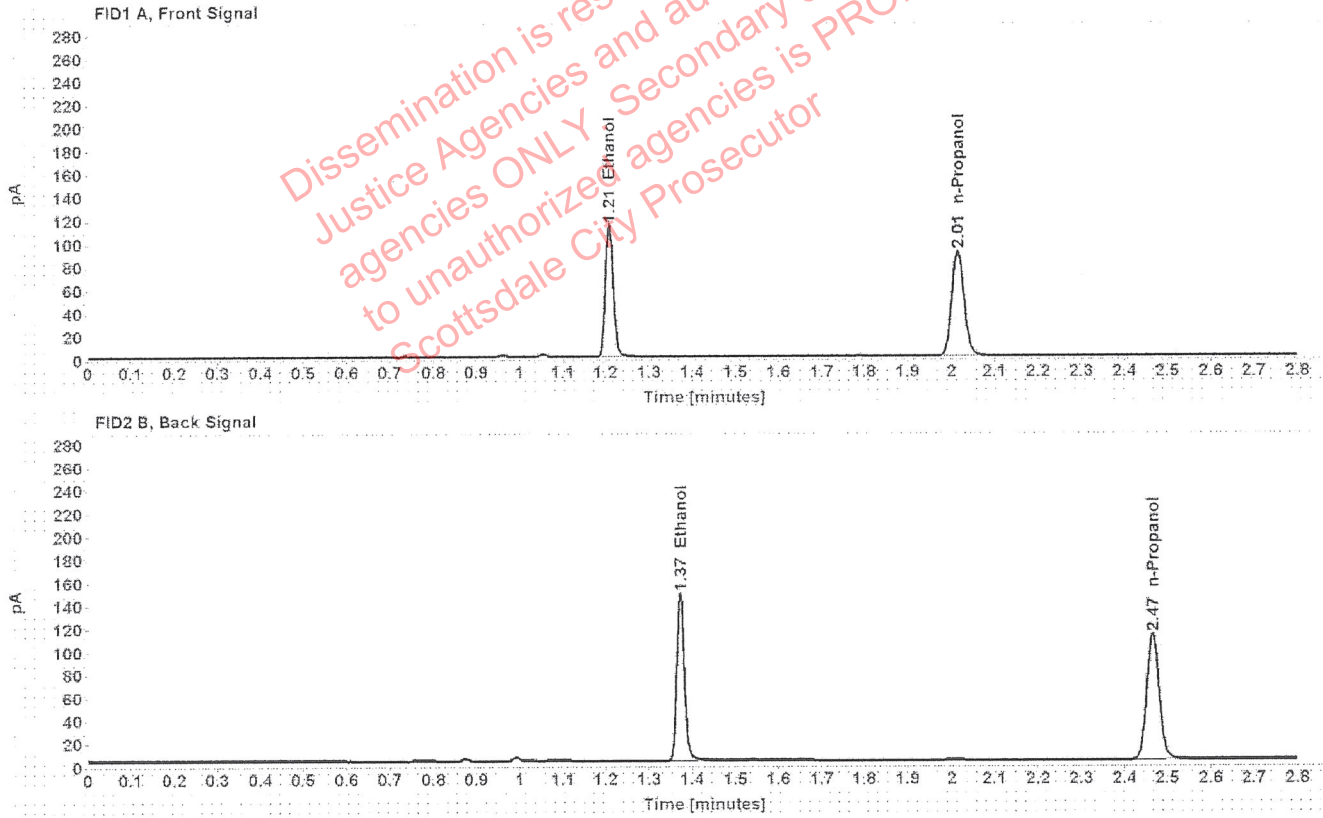


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2275	1.208	144.358
n-Propanol	-----	2.014	180.723

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

Compound	Time (min)	Peak Area
Ethanol	1.372	181.045
n-Propanol	2.466	221.909

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335116	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:02:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\13.D	Analyst:	Abbott

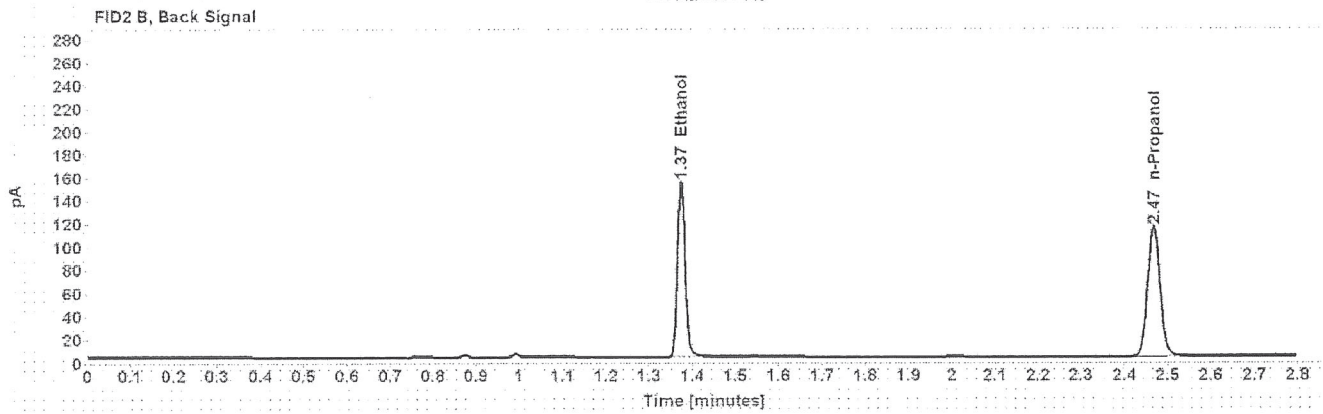
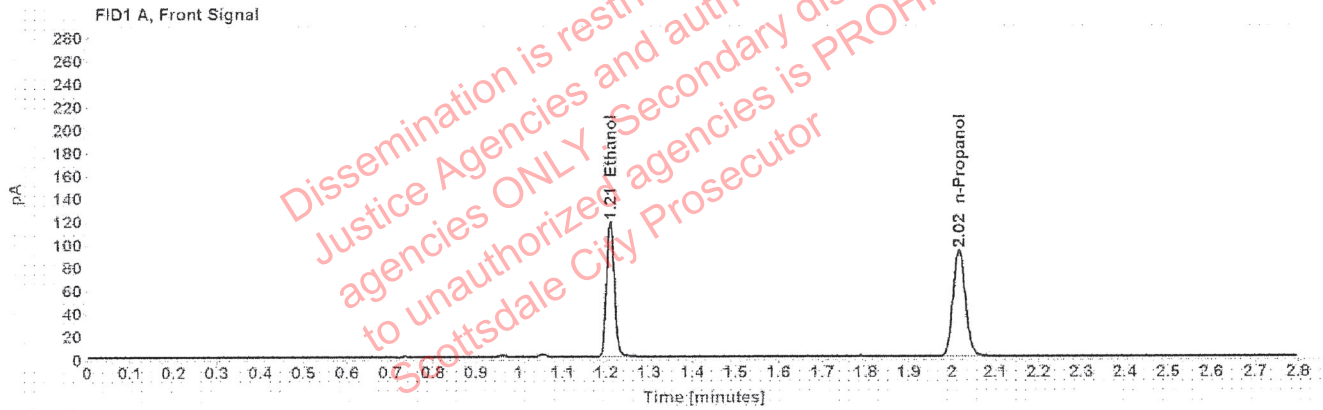


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2307	1.209	150.083
n-Propanol	-----	2.015	185.271

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

Compound	Time (min)	Peak Area
Ethanol	1.374	187.857
n-Propanol	2.467	227.474



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1304225	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:06:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\14.D	Analyst:	Abbott

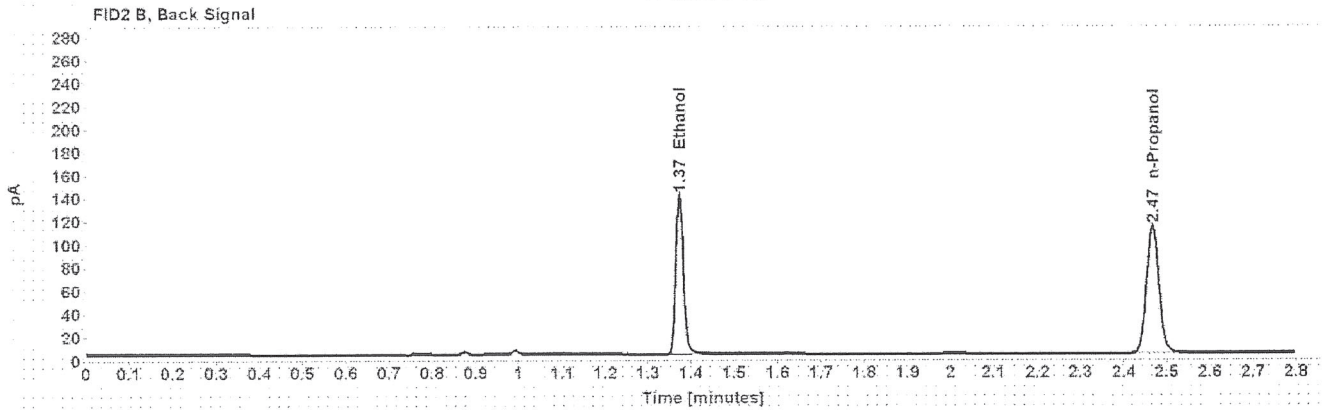
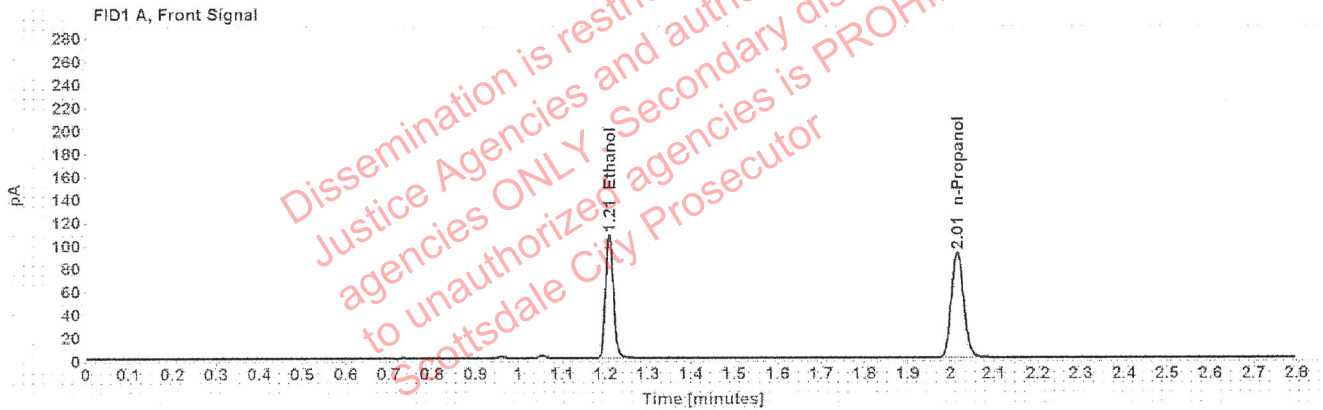


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2133	1.209	136.786
n-Propanol	-----	2.015	182.664

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

Compound	Time (min)	Peak Area
Ethanol	1.373	170.898
n-Propanol	2.467	224.373

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1304225	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:10:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\15.D	Analyst:	Abbott

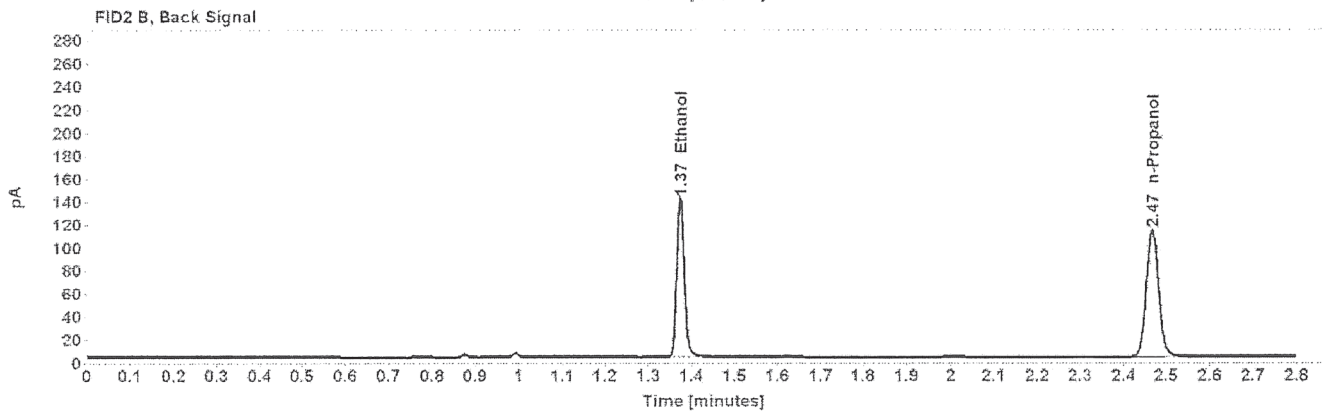
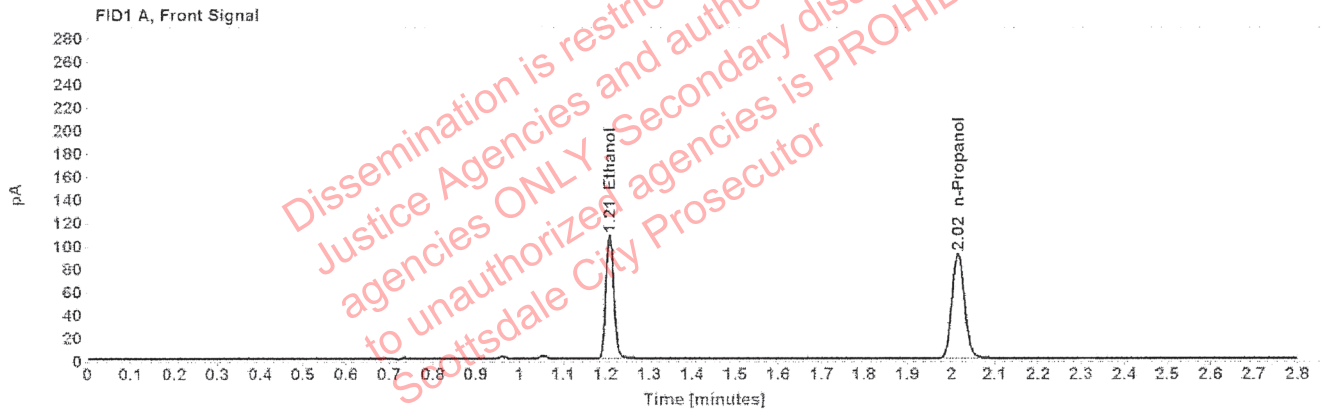


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2136	1.209	136.947
n-Propanol	-----	2.015	182.598

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

Compound	Time (min)	Peak Area
Ethanol	1.374	171.043
n-Propanol	2.467	224.236

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1334599	Vial:	16
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:14:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\16.D	Analyst:	Abbott

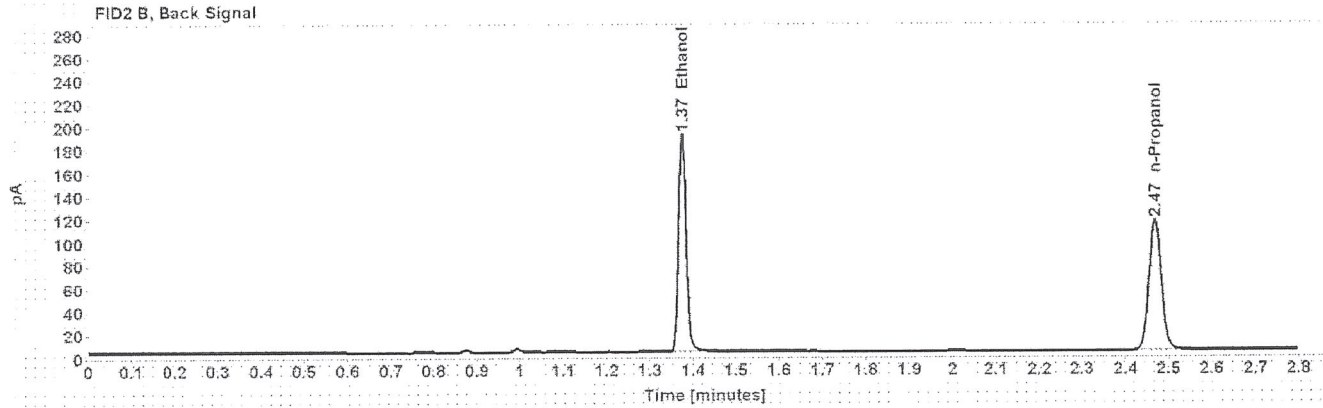
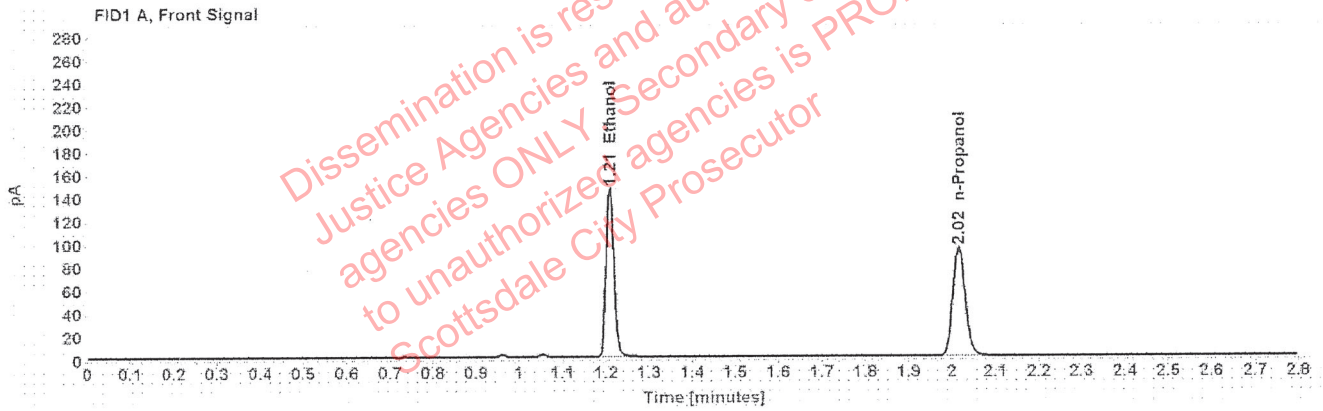


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2832	1.209	186.455
n-Propanol	-----	2.015	187.406

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

Compound	Time (min)	Peak Area
Ethanol	1.374	233.897
n-Propanol	2.467	230.151

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1334599	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:18:08 PM
Data file:	C:\Chem32\1\Data\01Sep20\17.D	Analyst:	Abbott

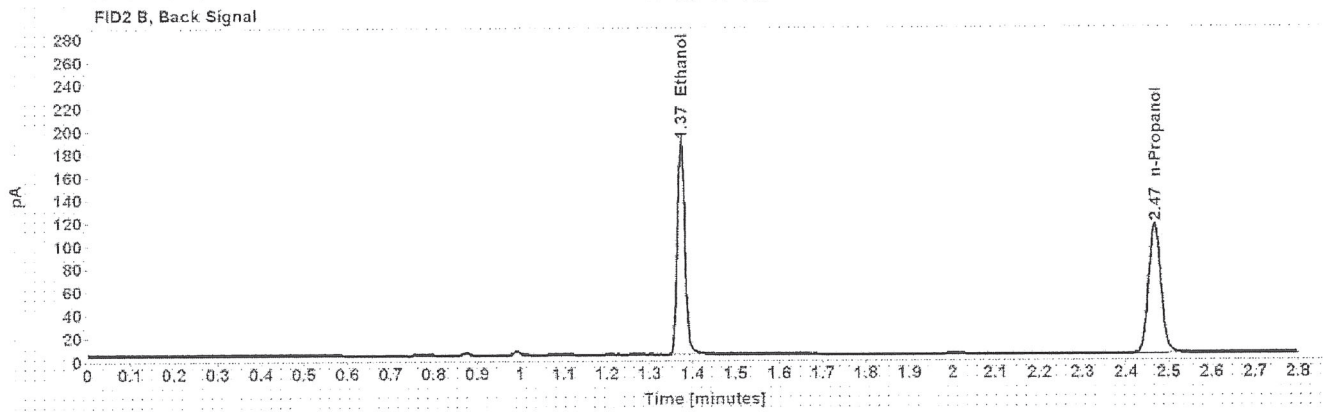
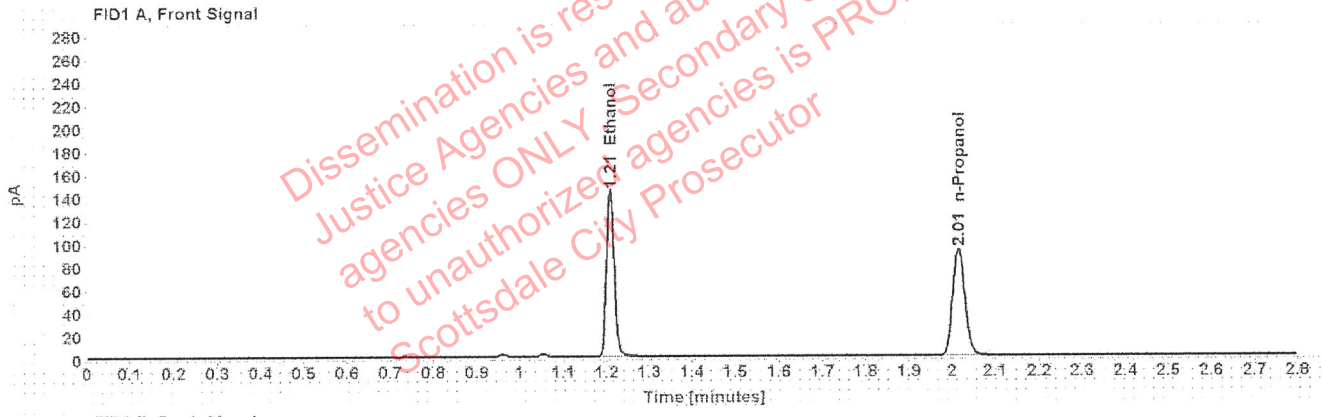


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2819	1.209	183.389
n-Propanol	-----	2.015	185.160

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

Compound	Time (min)	Peak Area
Ethanol	1.373	229.736
n-Propanol	2.466	227.343

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335050	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:22:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\18.D	Analyst:	Abbott

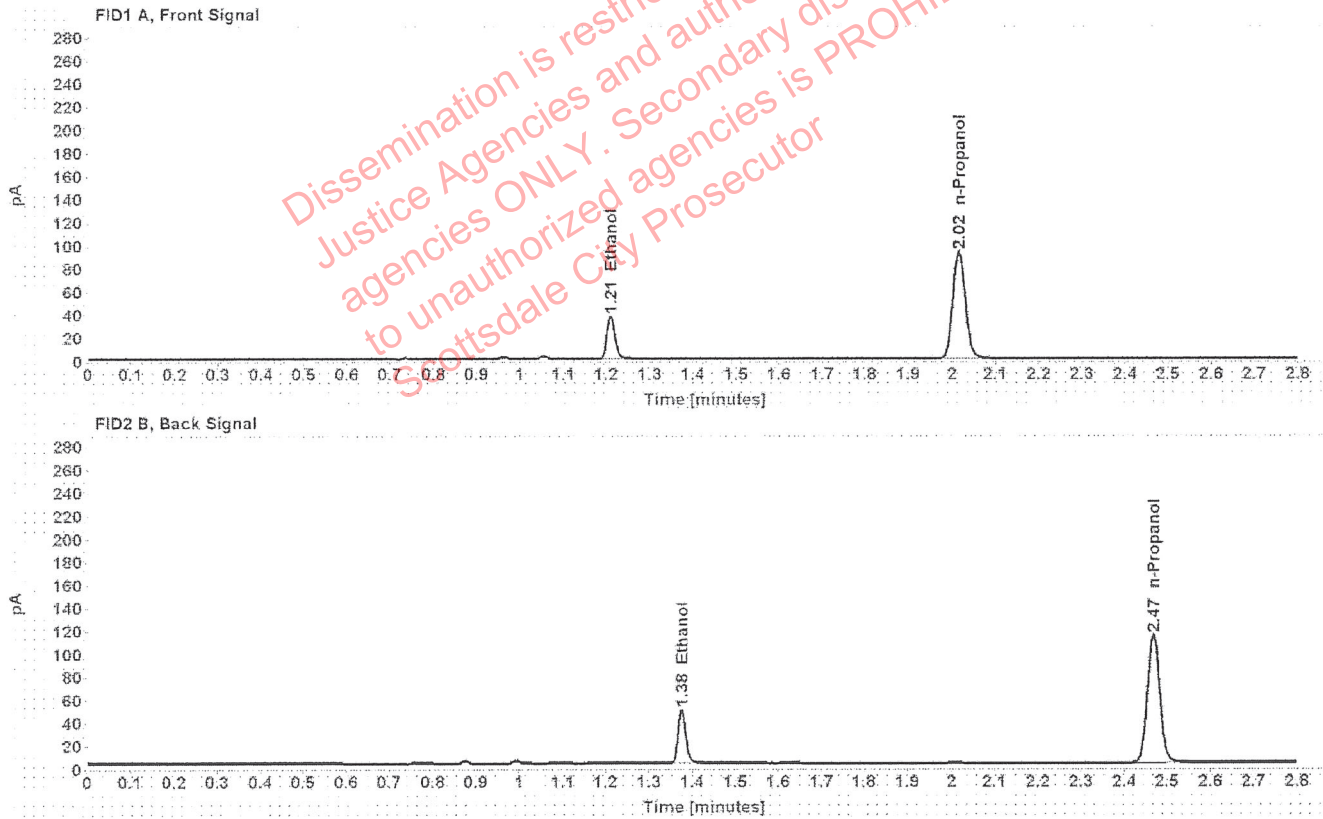


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0731	1.211	47.308
n-Propanol	-----	2.016	184.916

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

Compound	Time (min)	Peak Area
Ethanol	1.375	58.781
n-Propanol	2.467	226.497

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335050	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:26:24 PM
Data file:	C:\Chem32\1\Data\01Sep20\19.D	Analyst:	Abbott

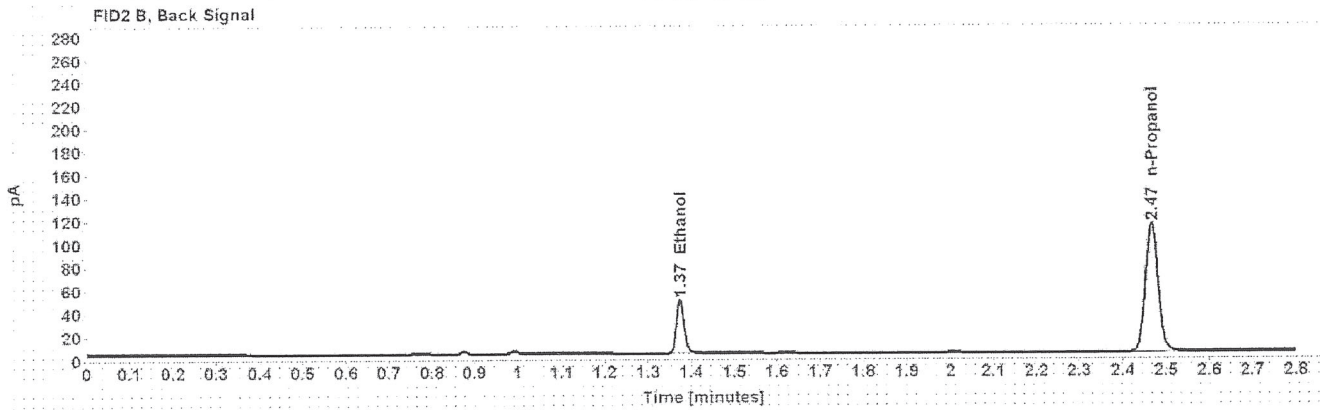
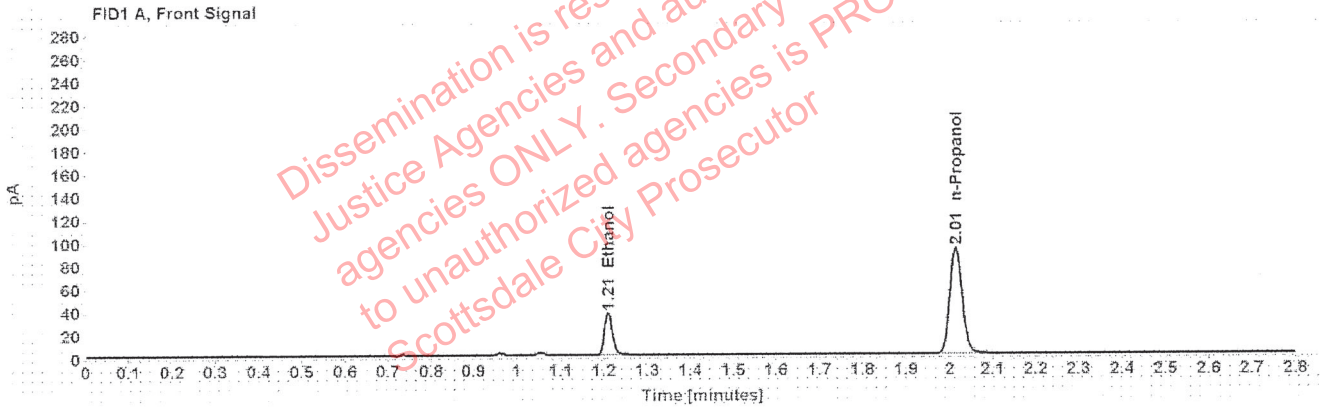


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0726	1.210	46.759
n-Propanol	-----	2.015	184.070

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

Compound	Time (min)	Peak Area
Ethanol	1.374	57.933
n-Propanol	2.466	225.156

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335409	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:34:24 PM
Data file:	C:\Chem32\1\Data\01Sep20\21.D	Analyst:	Abbott

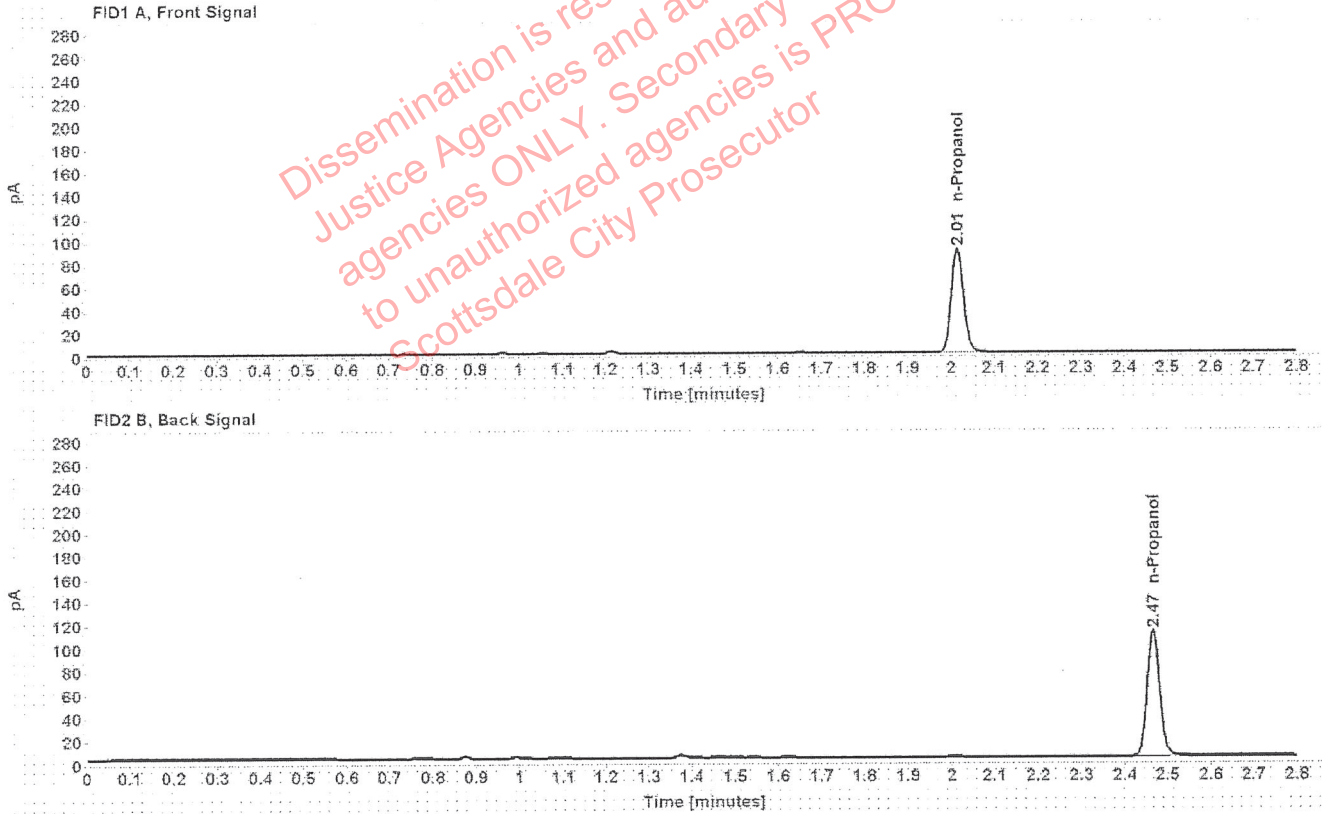


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	180.757

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	221.961

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335409	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:38:24 PM
Data file:	C:\Chem32\1\Data\01Sep20\22.D	Analyst:	Abbott

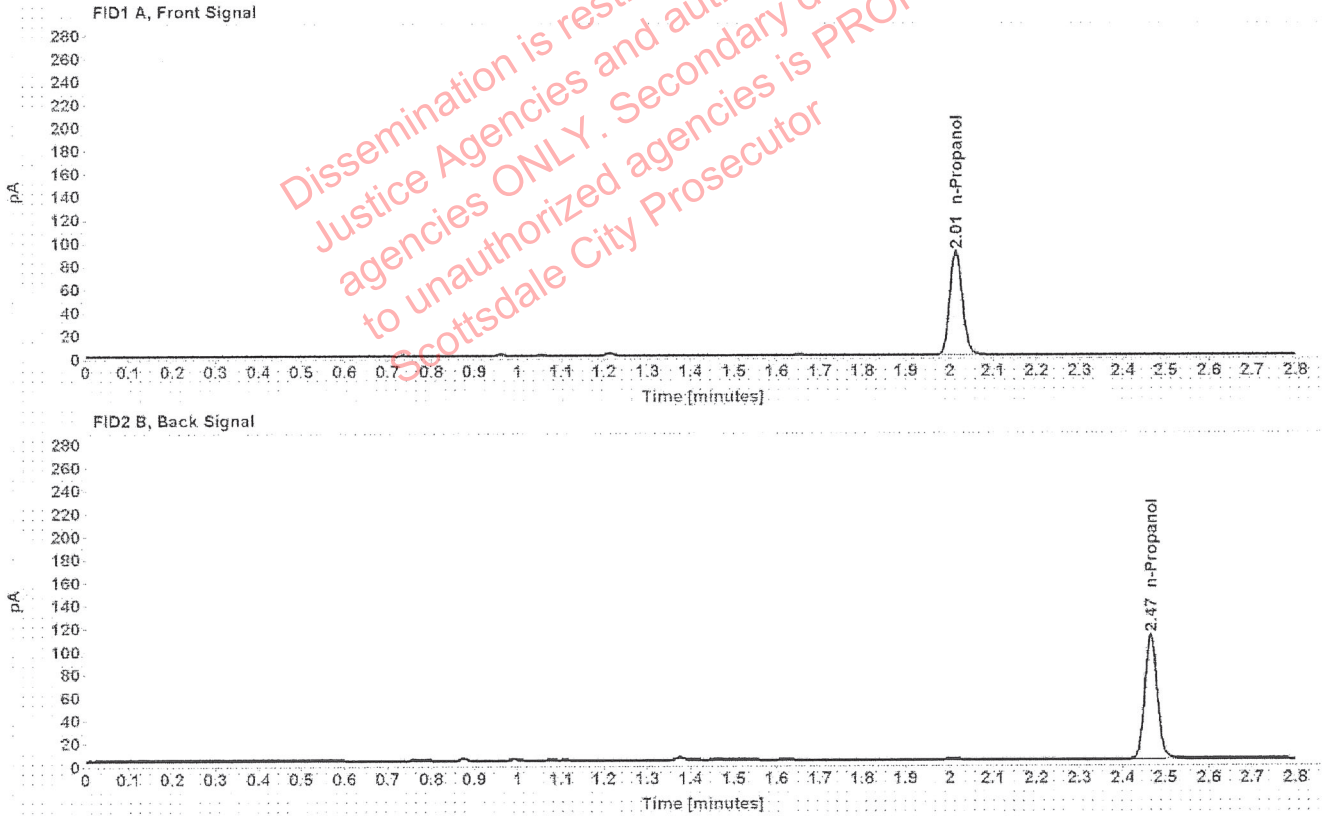


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	179.373

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	220.128



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701CR	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:42:24 PM
Data file:	C:\Chem32\1\Data\01Sep20\23.D	Analyst:	Abbott

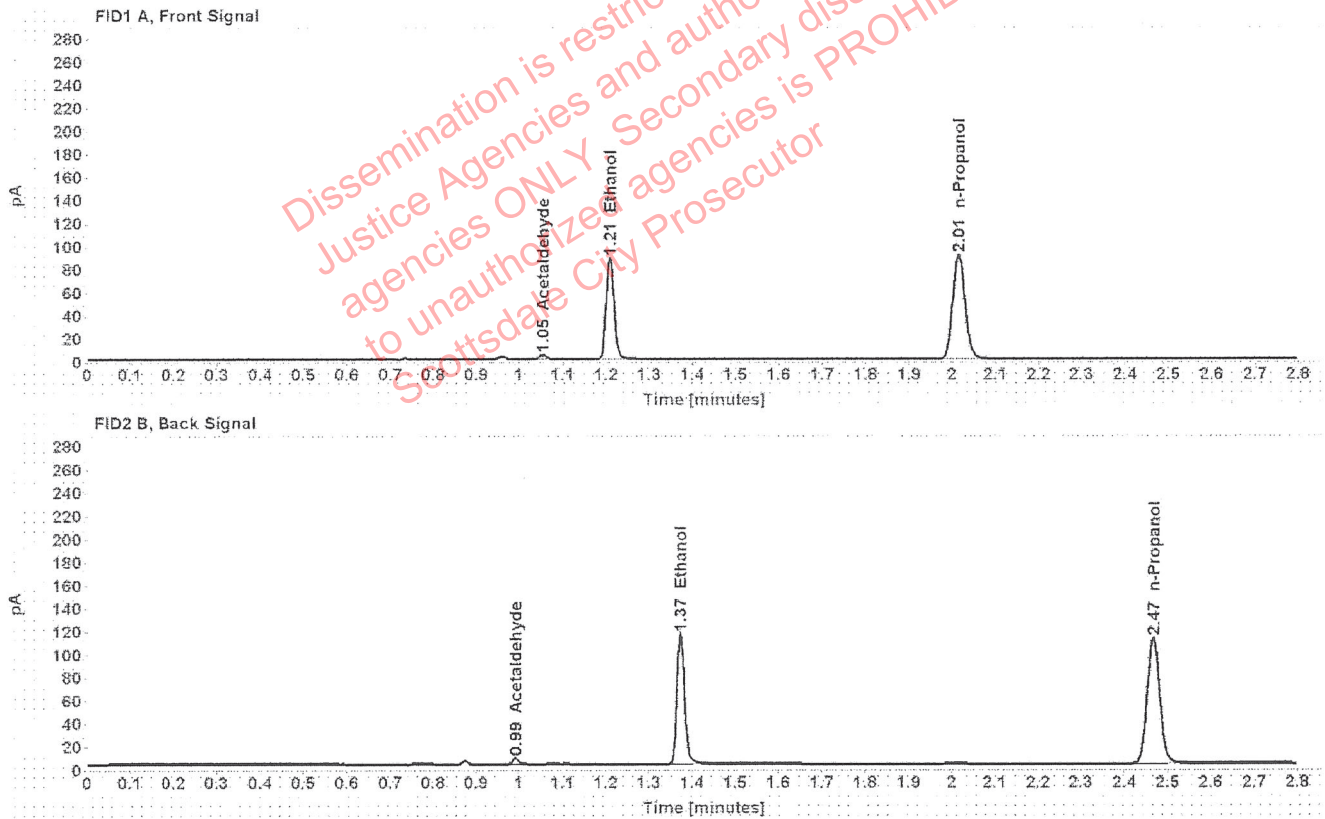


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.901
>Ethanol	0.1776	1.209	112.680
n-Propanol	-----	2.015	180.777

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	5.129
Ethanol	1.373	140.771
n-Propanol	2.466	222.047

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701CR	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:46:24 PM
Data file:	C:\Chem32\1\Data\01Sep20\24.D	Analyst:	Abbott

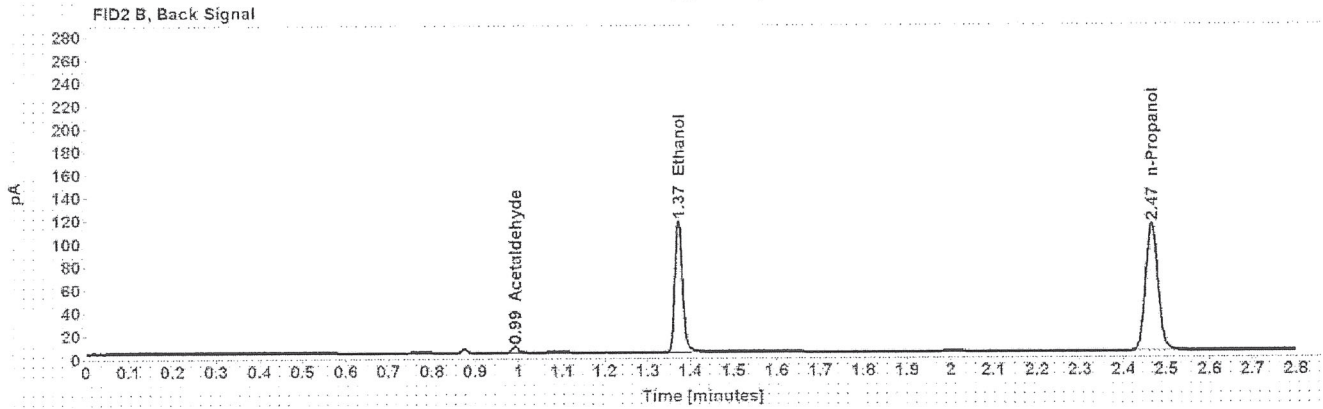
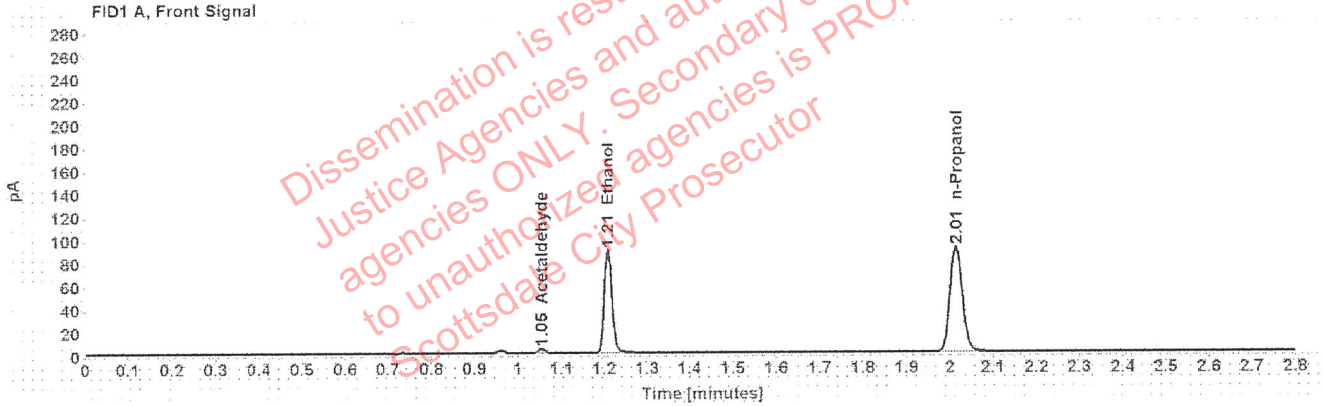


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.054	3.941
>Ethanol	0.1775	1.208	113.387
n-Propanol	-----	2.014	181.989

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	5.187
Ethanol	1.372	141.737
n-Propanol	2.465	223.547

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501MC	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:50:39 PM
Data file:	C:\Chem32\1\Data\01Sep20\25.D	Analyst:	Abbott

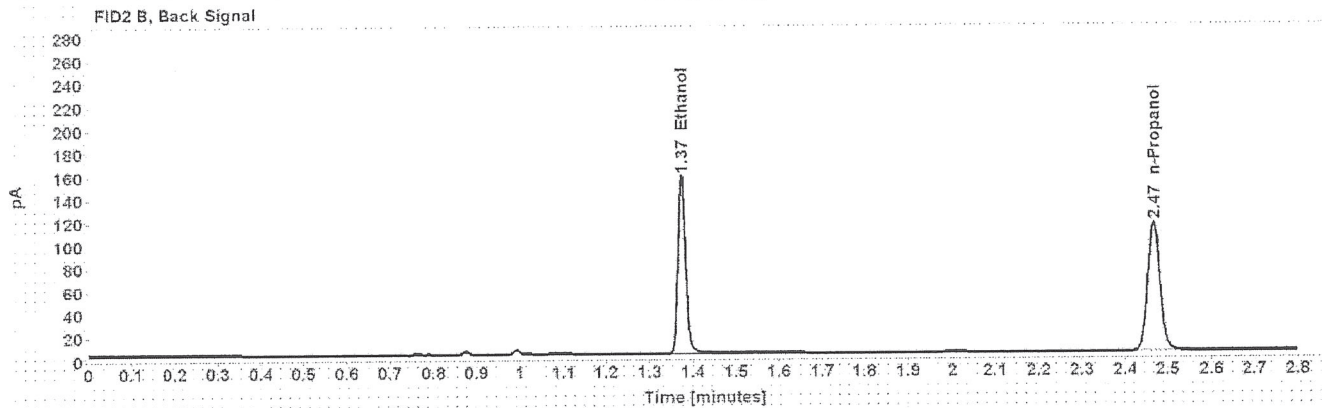
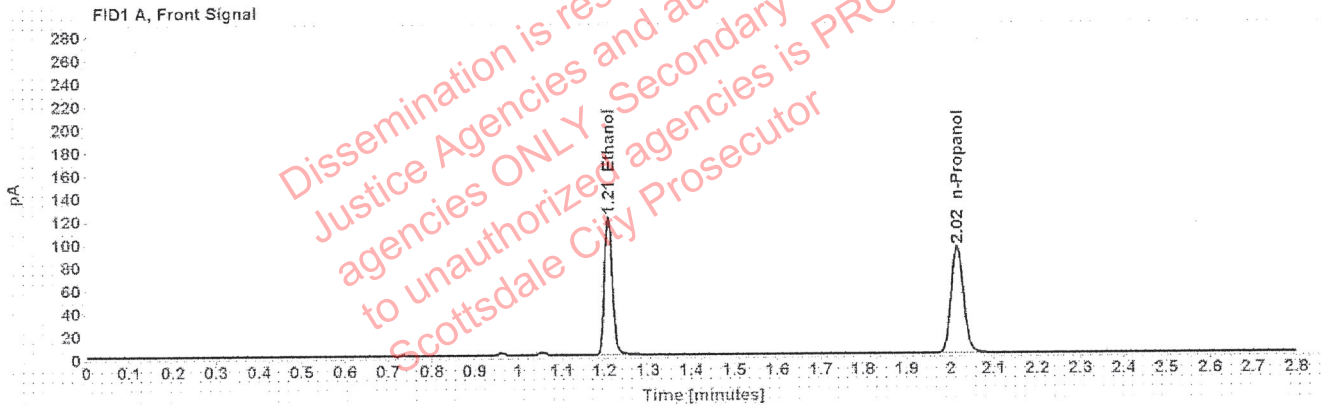


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2362	1.209	154.006
n-Propanol	-----	2.015	185.631

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

Compound	Time (min)	Peak Area
Ethanol	1.374	193.739
n-Propanol	2.467	227.910

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501MC	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:54:39 PM
Data file:	C:\Chem32\1\Data\01Sep20\26.D	Analyst:	Abbott

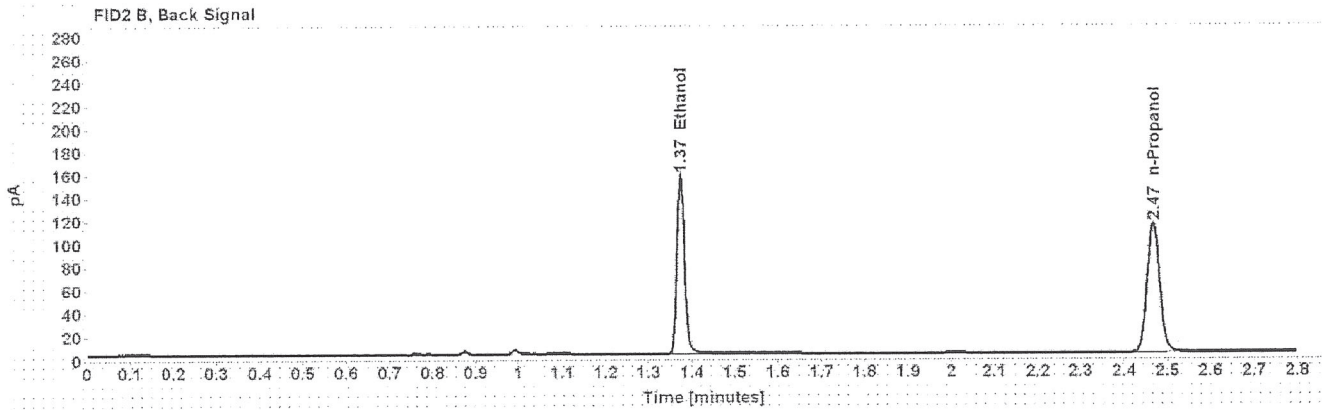
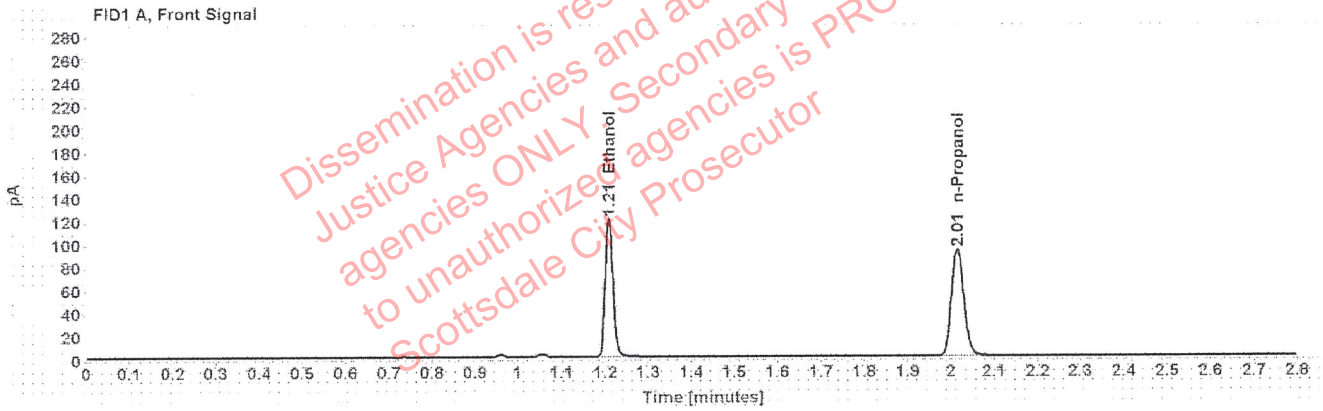


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2352	1.209	152.920
n-Propanol	-----	2.015	185.165

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

Compound	Time (min)	Peak Area
Ethanol	1.373	192.797
n-Propanol	2.467	227.360

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335707	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 1:58:39 PM
Data file:	C:\Chem32\1\Data\01Sep20\27.D	Analyst:	Abbott

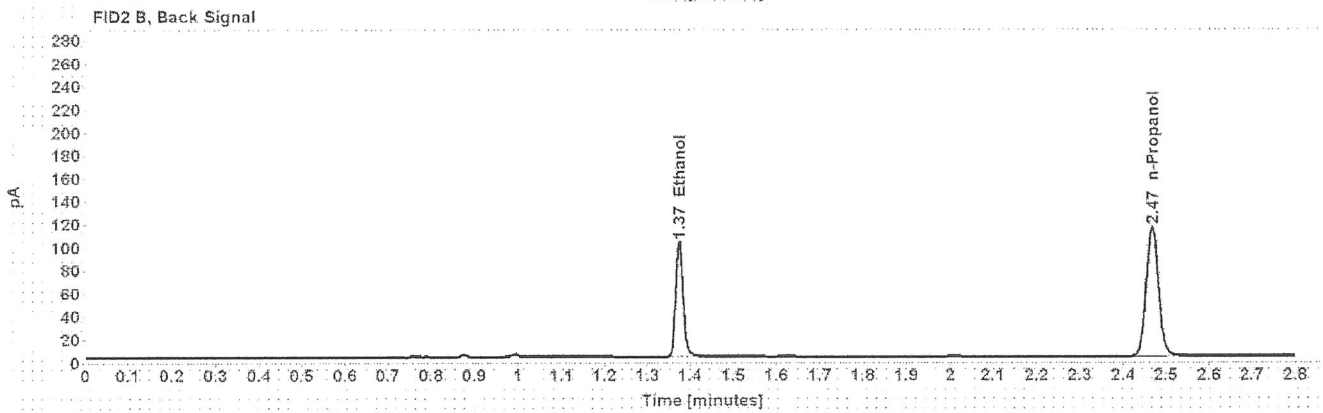
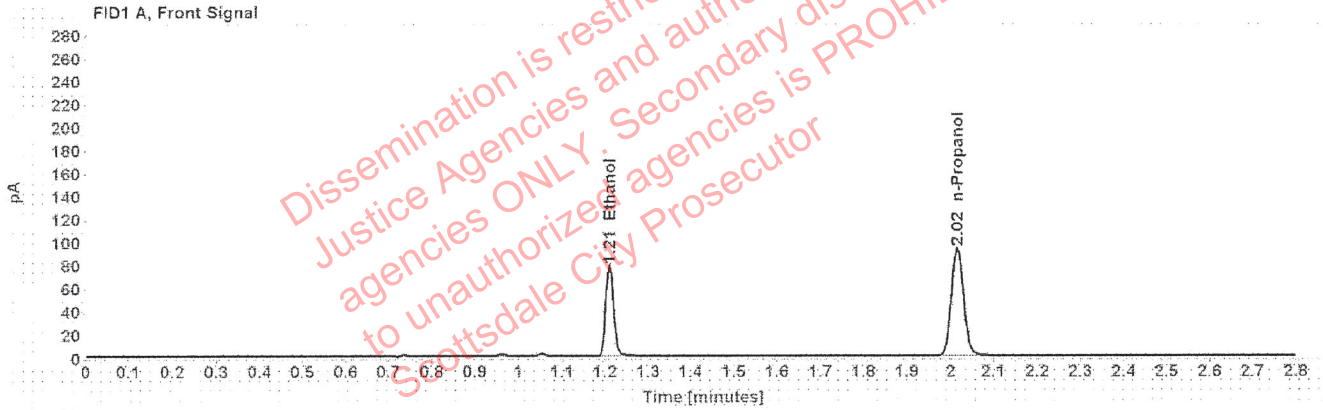


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1529	1.210	99.990
n-Propanol	-----	2.015	186.367

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

Compound	Time (min)	Peak Area
Ethanol	1.374	124.669
n-Propanol	2.467	228.216

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335707	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:02:39 PM
Data file:	C:\Chem32\1\Data\01Sep20\28.D	Analyst:	Abbott

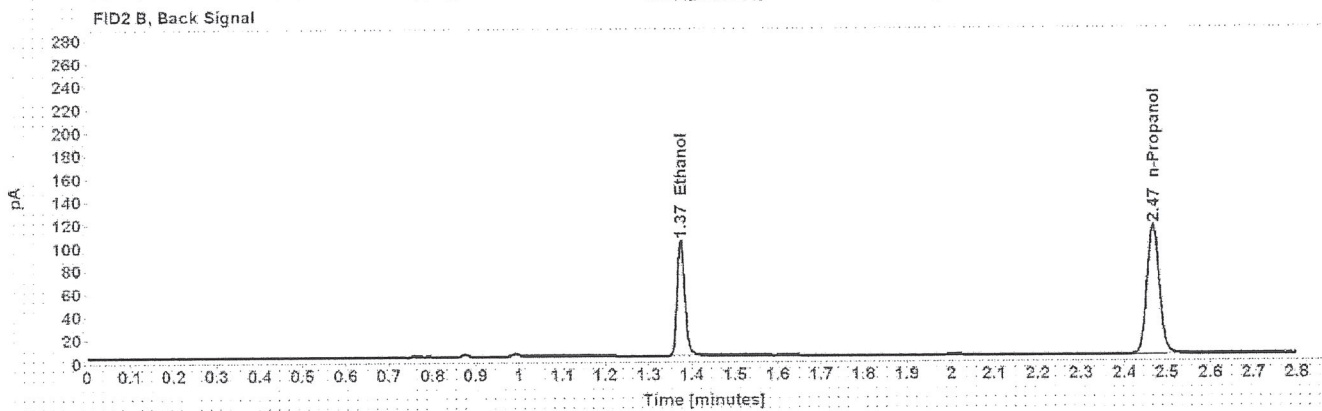
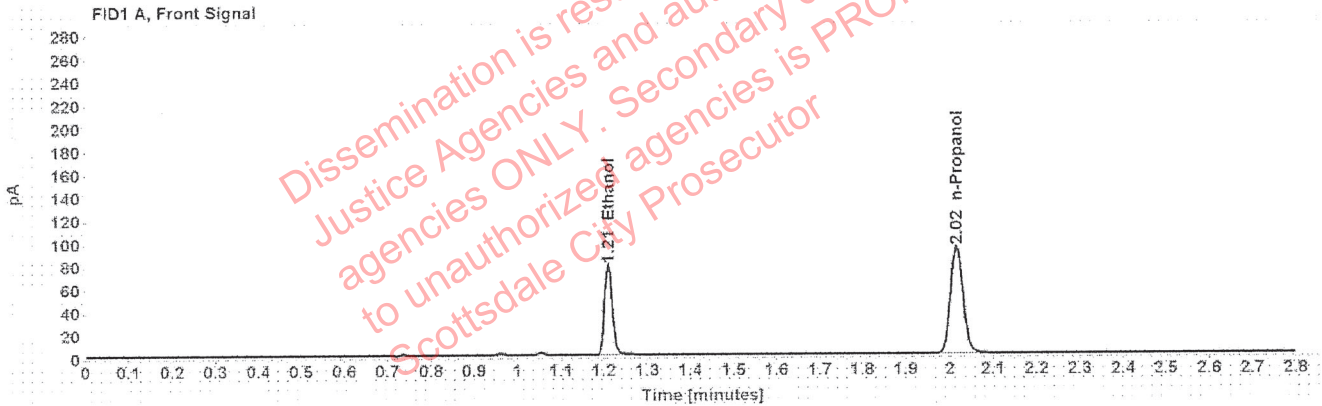


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1532	1.210	99.803
n-Propanol	-----	2.015	185.623

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

Compound	Time (min)	Peak Area
Ethanol	1.375	124.377
n-Propanol	2.467	227.478

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335772	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:06:39 PM
Data file:	C:\Chem32\1\Data\01Sep20\29.D	Analyst:	Abbott

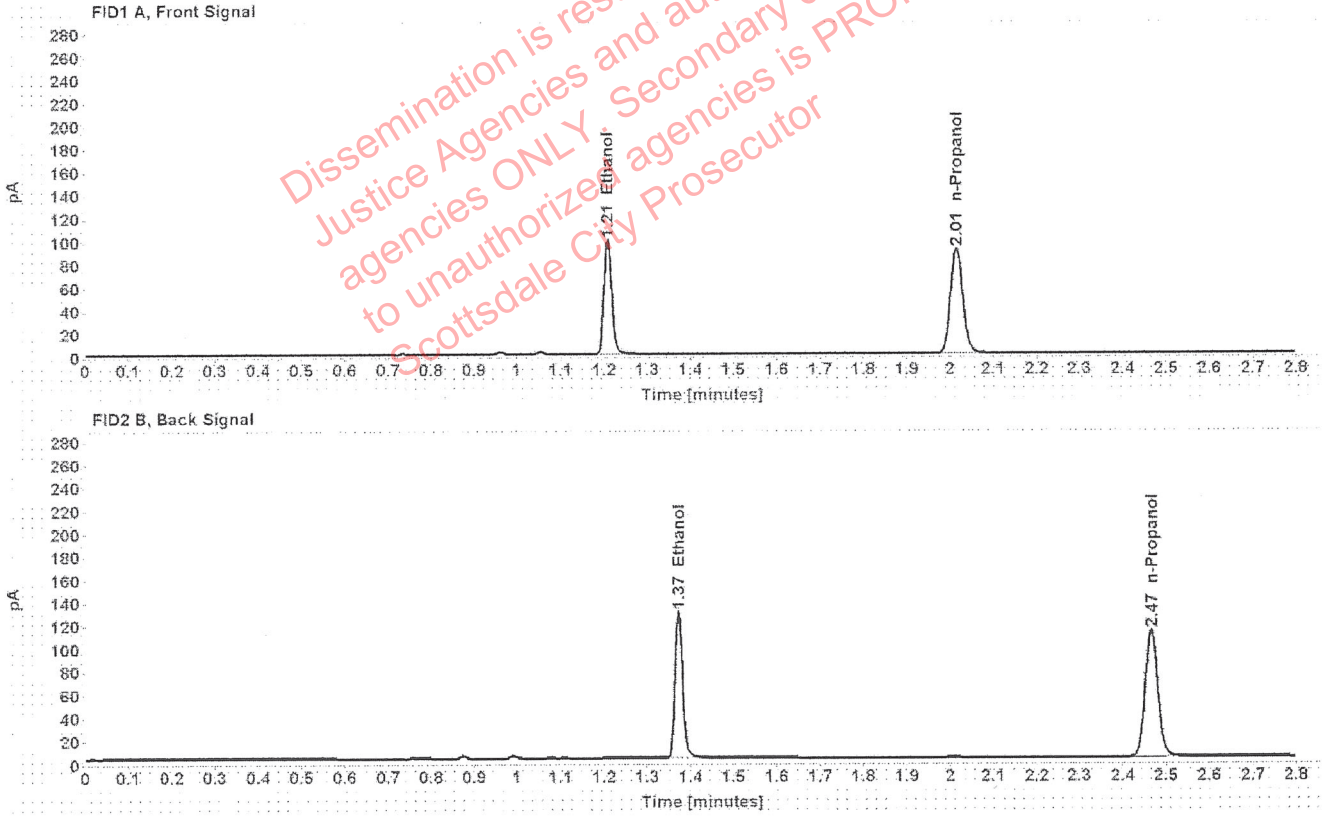


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1973	1.208	126.415
n-Propanol	-----	2.014	182.487

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

Compound	Time (min)	Peak Area
Ethanol	1.372	158.368
n-Propanol	2.465	223.728

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335772	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:10:39 PM
Data file:	C:\Chem32\1\Data\01Sep20\30.D	Analyst:	Abbott

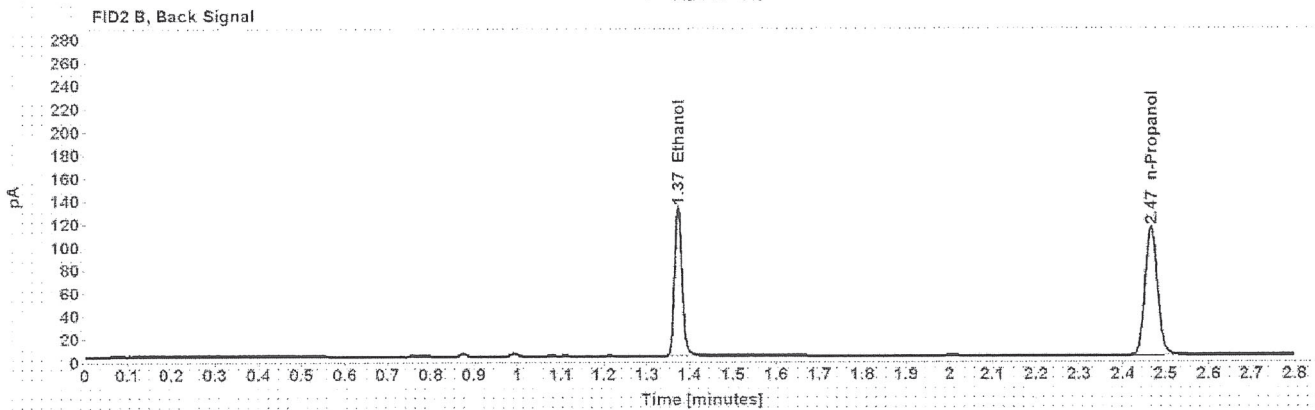
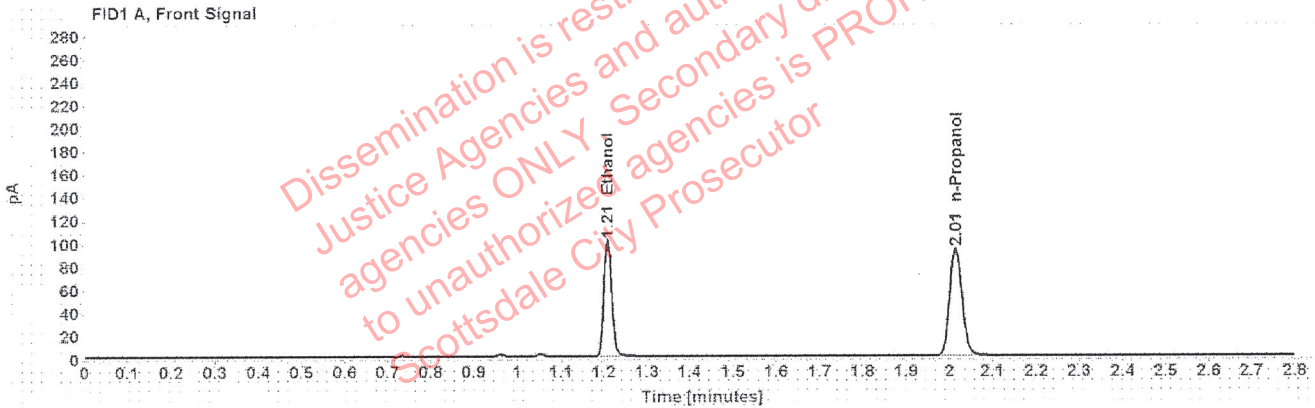


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1979	1.209	128.236
n-Propanol	-----	2.015	184.606

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

Compound	Time (min)	Peak Area
Ethanol	1.373	160.310
n-Propanol	2.466	226.257



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335211	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:18:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\32.D	Analyst:	Abbott

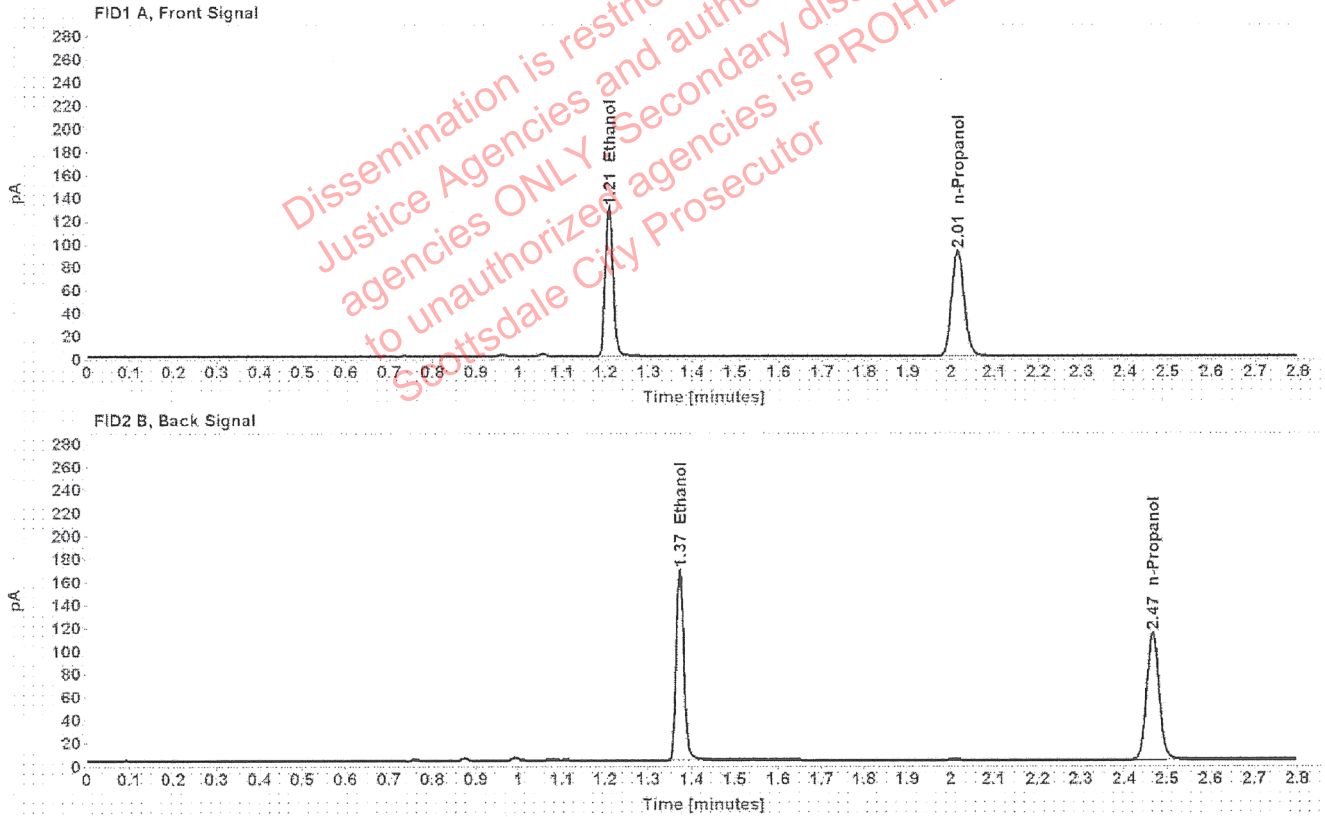


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2561	1.208	164.658
n-Propanol	-----	2.015	183.064

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

Compound	Time (min)	Peak Area
Ethanol	1.373	206.017
n-Propanol	2.466	223.916

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335211	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:22:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\33.D	Analyst:	Abbott

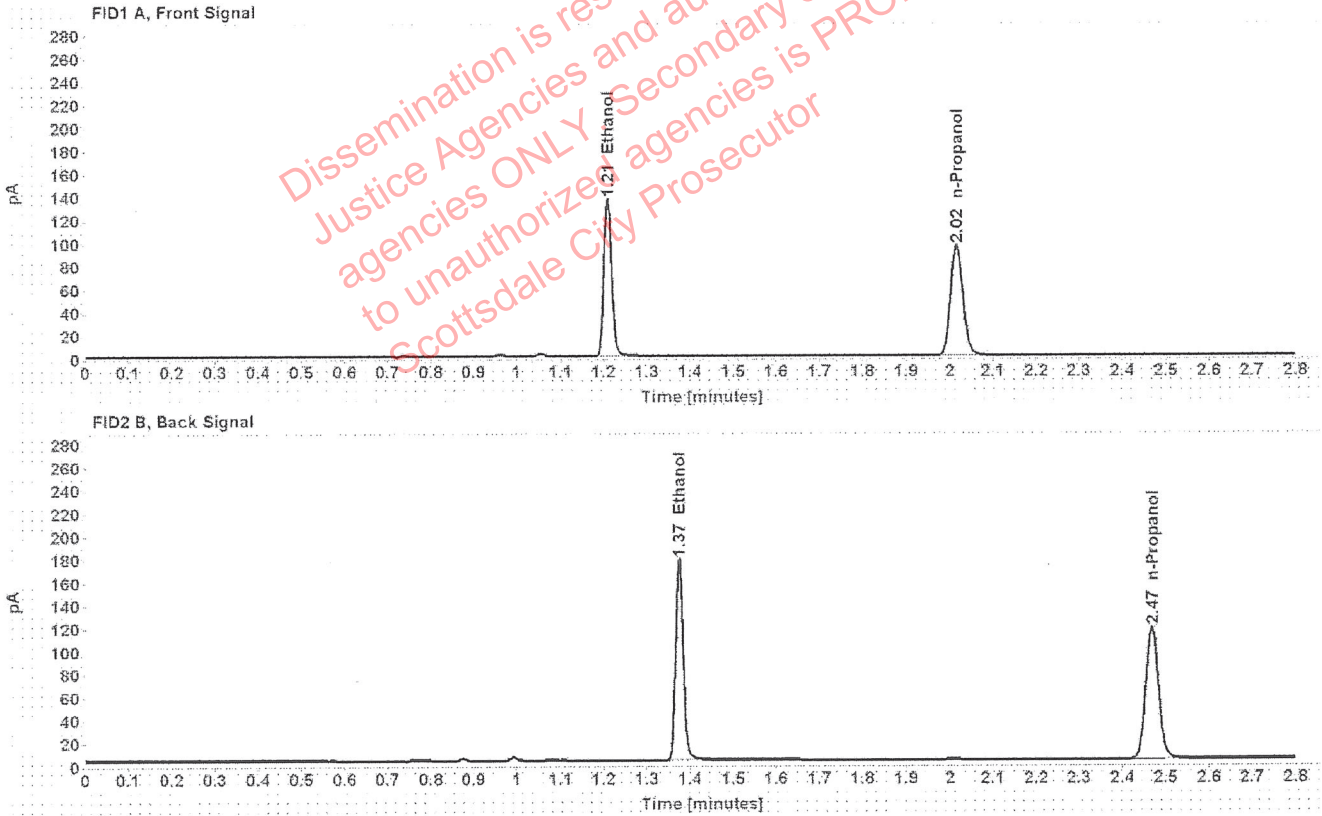


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2590	1.209	173.486
n-Propanol	-----	2.016	190.731

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

Compound	Time (min)	Peak Area
Ethanol	1.375	217.141
n-Propanol	2.468	233.551

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335864	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:26:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\34.D	Analyst:	Abbott

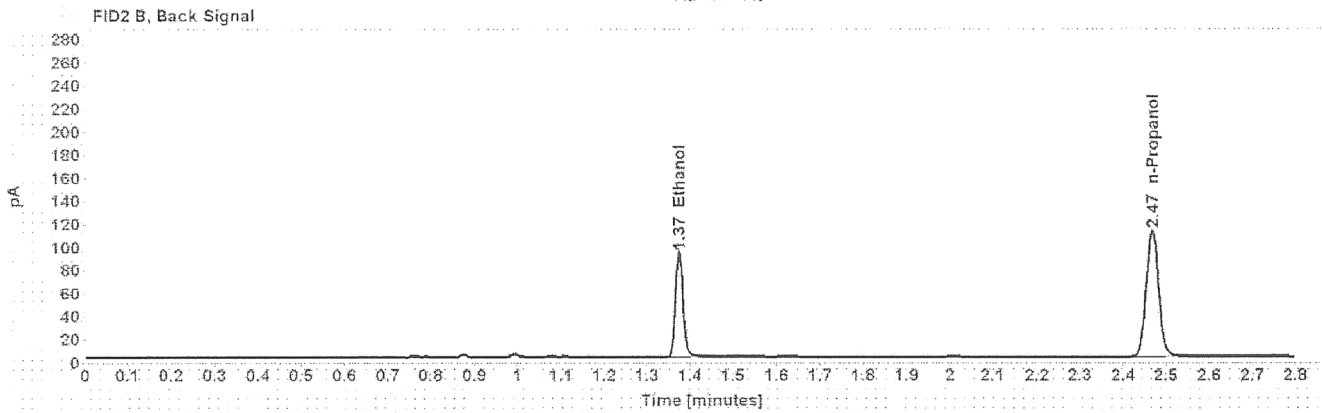
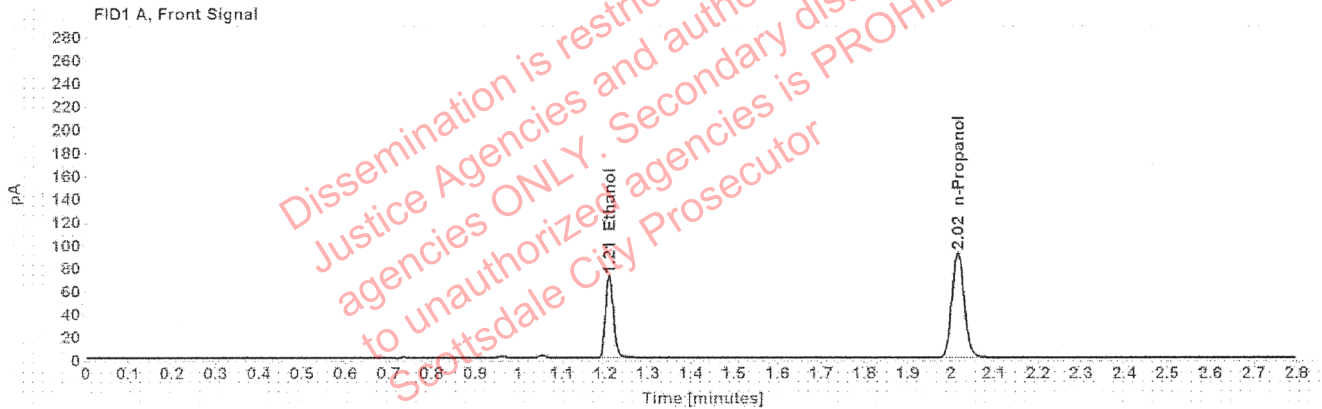


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1423	1.209	91.127
n-Propanol	-----	2.015	182.487

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.300
n-Propanol	2.467	223.327

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335864	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:30:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\35.D	Analyst:	Abbott

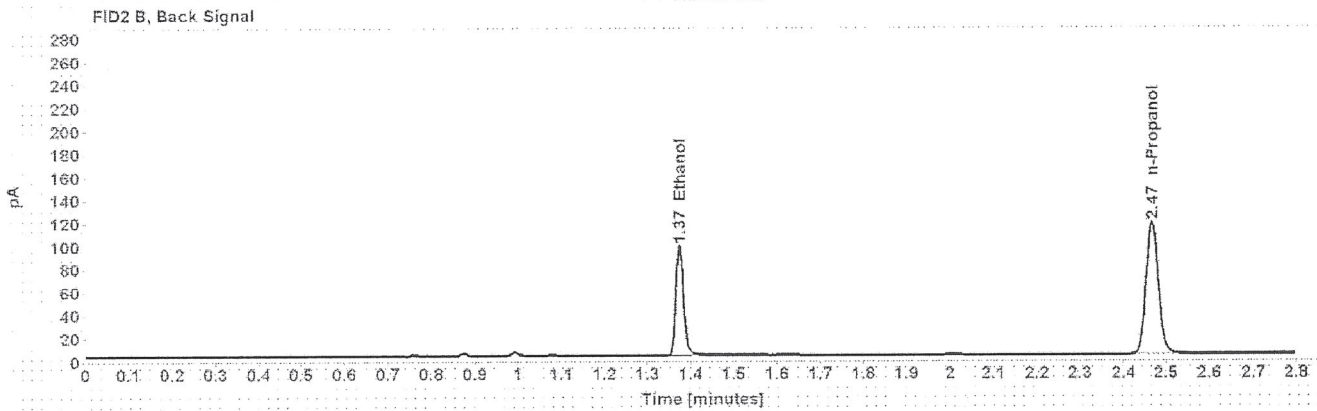
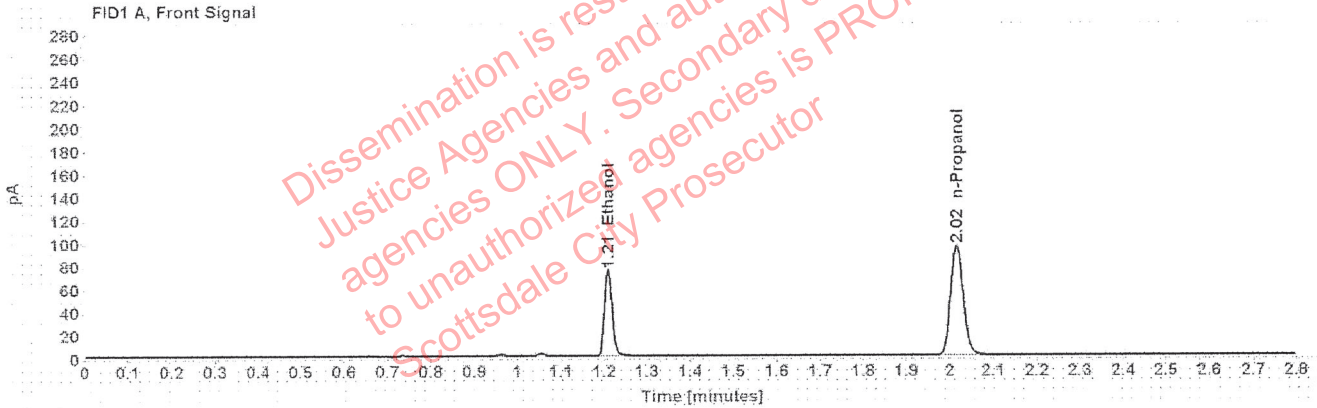


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1426	1.210	95.229
n-Propanol	-----	2.015	190.345

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

Compound	Time (min)	Peak Area
Ethanol	1.374	118.881
n-Propanol	2.467	233.058

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335310	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:34:54 PM
Data file:	C:\Chem32\1\Data\01Sep20\36.D	Analyst:	Abbott

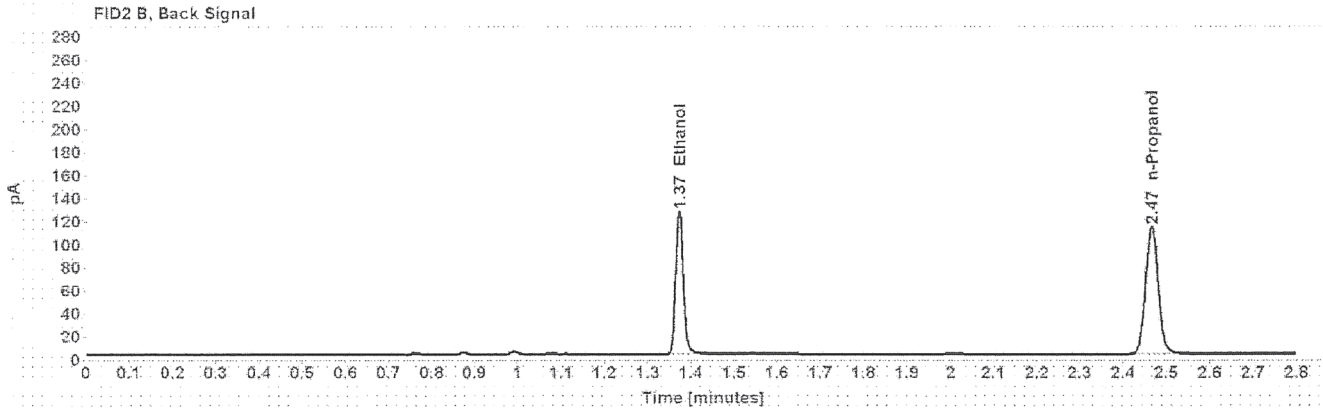
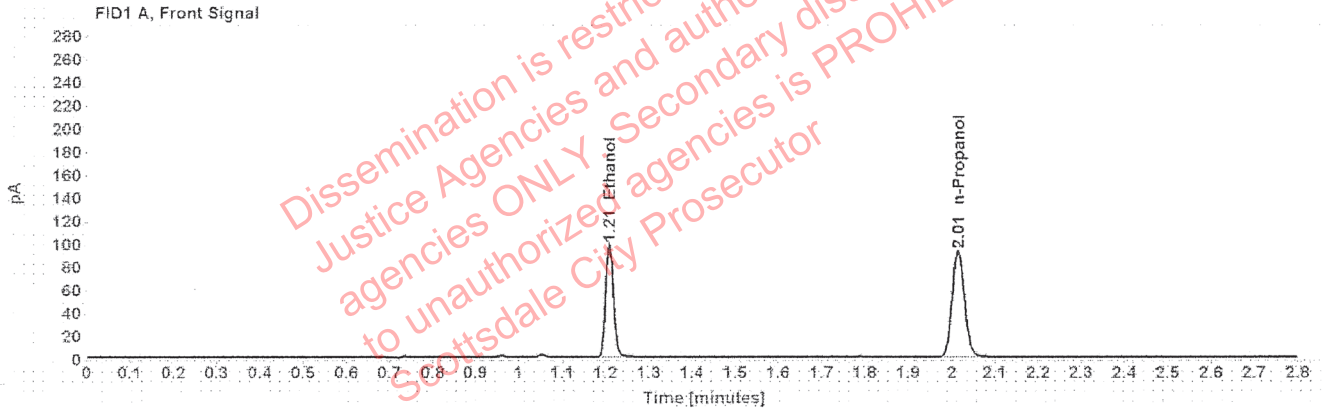


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1917	1.208	124.197
n-Propanol	-----	2.014	184.582

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

Compound	Time (min)	Peak Area
Ethanol	1.373	155.382
n-Propanol	2.466	225.797

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1335310	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:39:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\37.D	Analyst:	Abbott

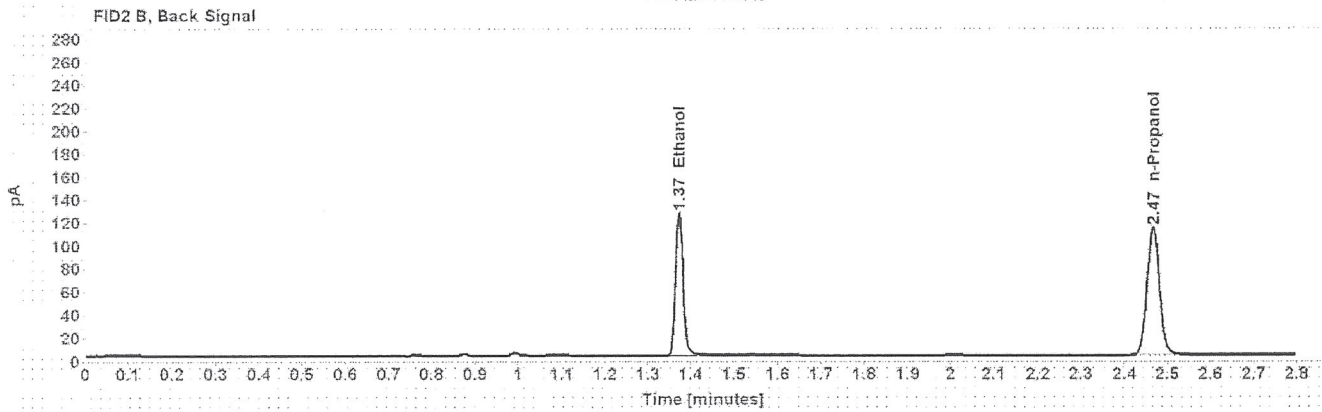
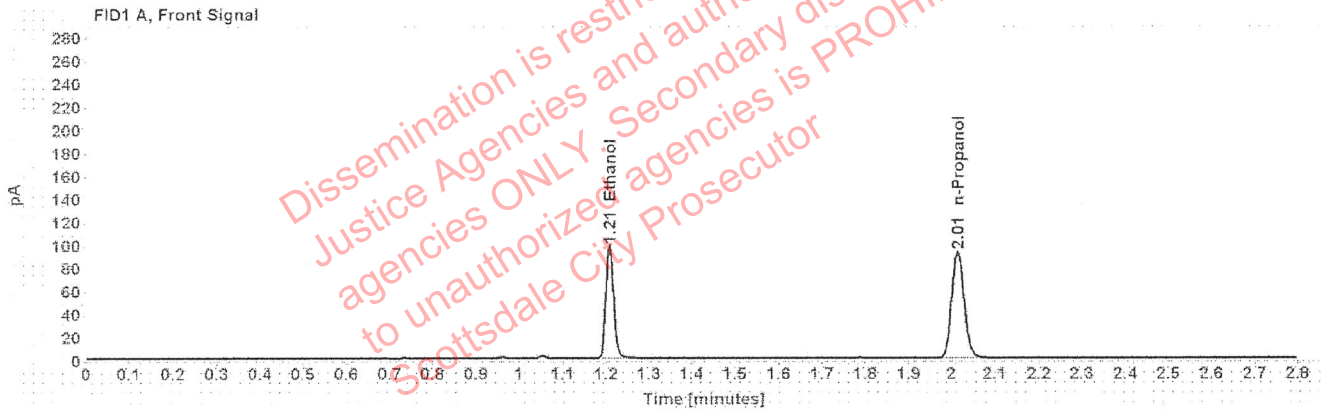


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1919	1.208	124.006
n-Propanol	-----	2.014	184.075

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

Compound	Time (min)	Peak Area
Ethanol	1.373	154.925
n-Propanol	2.466	225.186

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1336125	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:43:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\38.D	Analyst:	Abbott

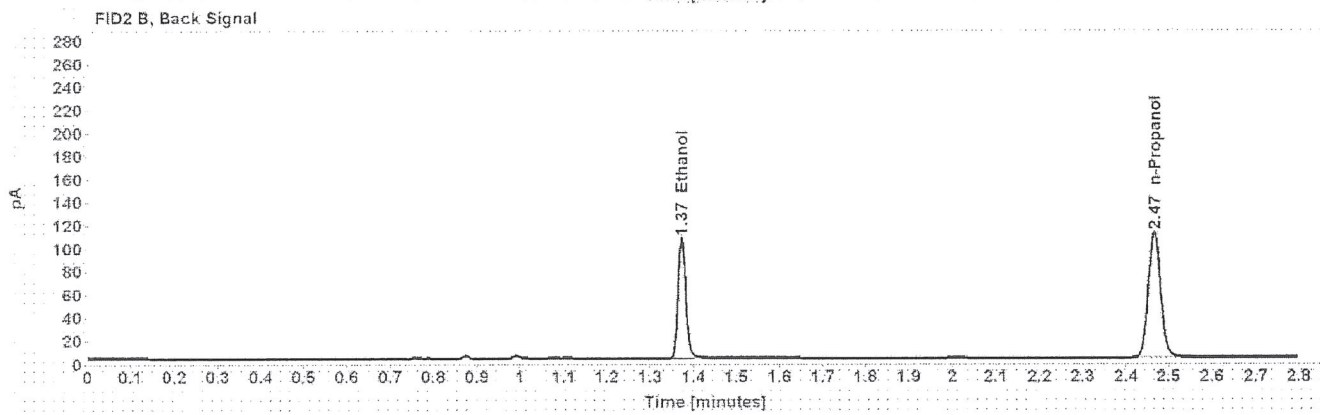
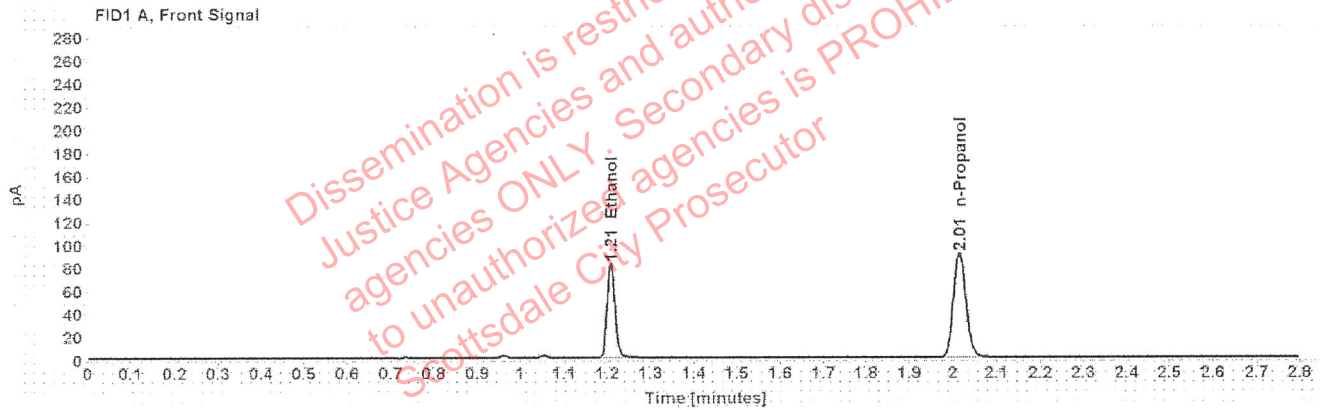


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1643	1.209	104.314
n-Propanol	-----	2.014	180.964

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

Compound	Time (min)	Peak Area
Ethanol	1.373	130.213
n-Propanol	2.466	221.915

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1336125	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:47:10 PM
Data file:	C:\Chem32\1\Data\01Sep20\39.D	Analyst:	Abbott

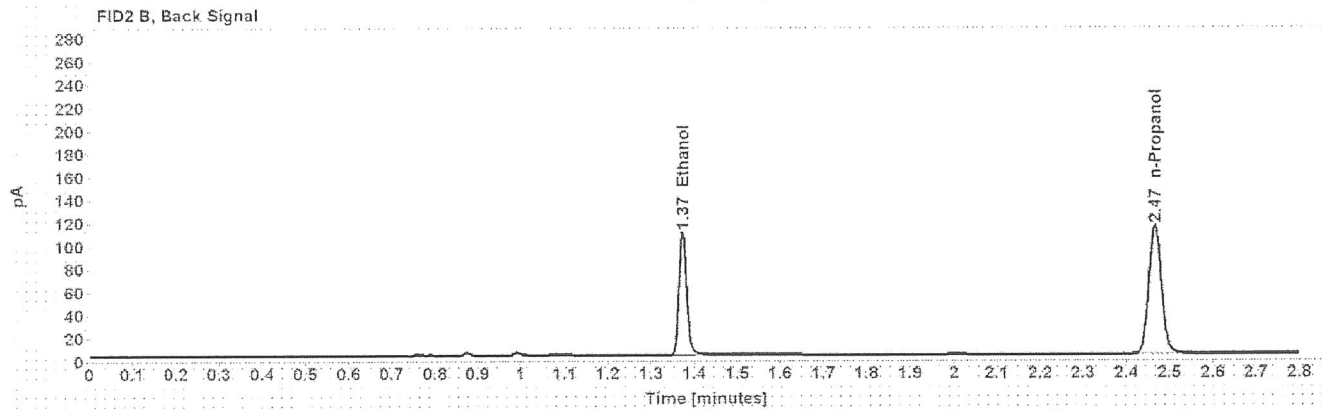
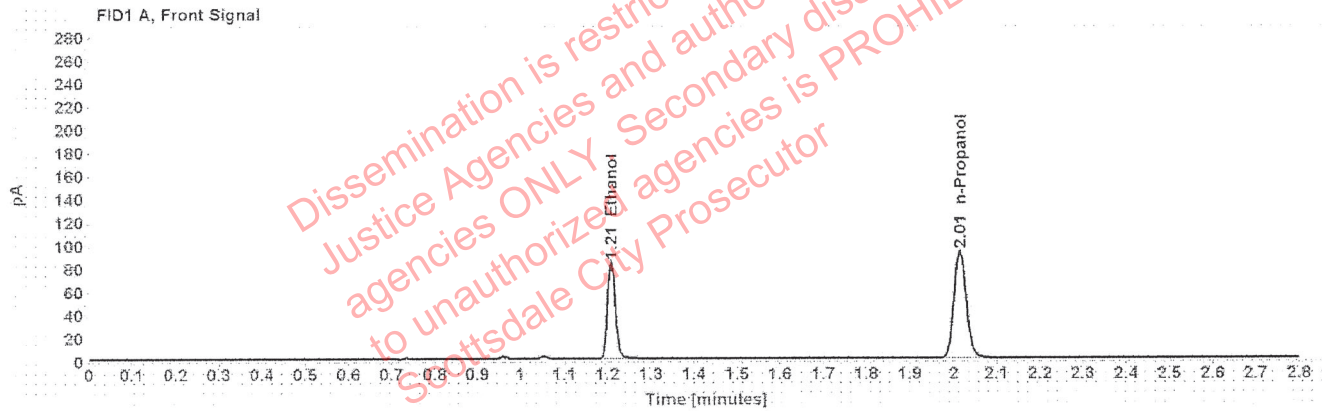


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1641	1.209	106.691
n-Propanol	-----	2.014	185.287

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

Compound	Time (min)	Peak Area
Ethanol	1.373	133.176
n-Propanol	2.466	227.230



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1336038	Vial:	40
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:51:09 PM
Data file:	C:\Chem32\1\Data\01Sep20\40.D	Analyst:	Abbott

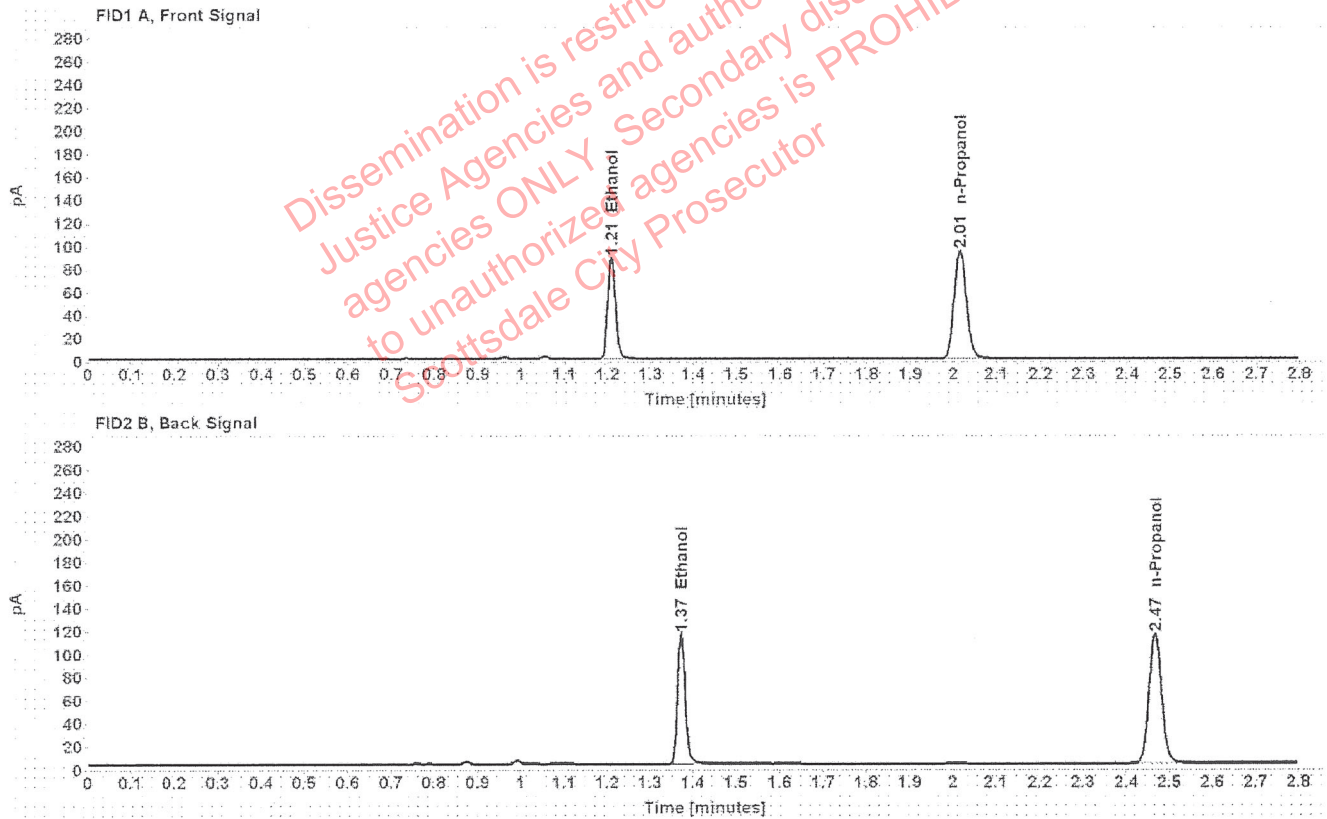


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1714	1.209	112.781
n-Propanol	-----	2.015	187.427

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

Compound	Time (min)	Peak Area
Ethanol	1.373	140.843
n-Propanol	2.466	229.953

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1336038	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Sep20
Instrument:	US14173023 CN14160045	Injection date:	9/1/2020 2:55:10 PM
Data file:	C:\Chem32\1\Data\01Sep20\41.D	Analyst:	Abbott

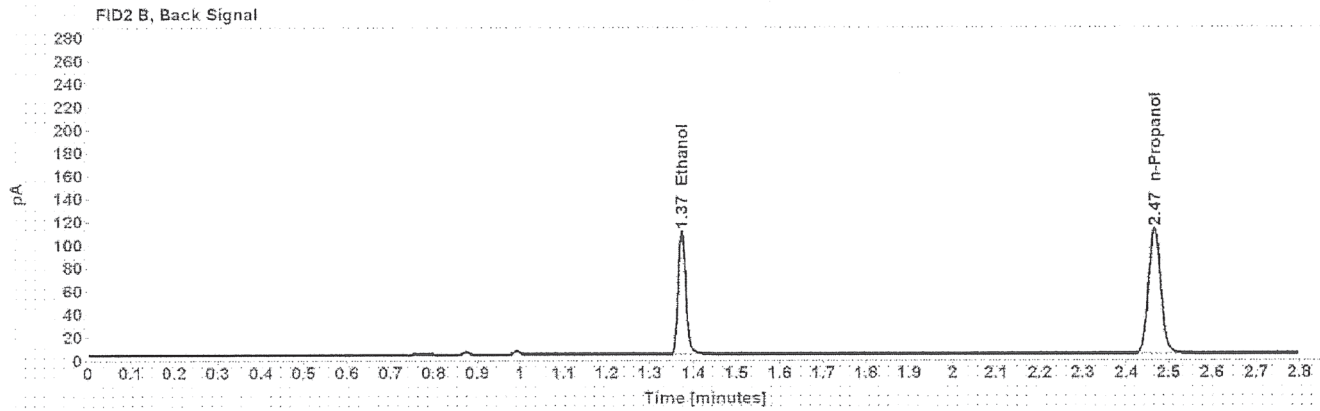
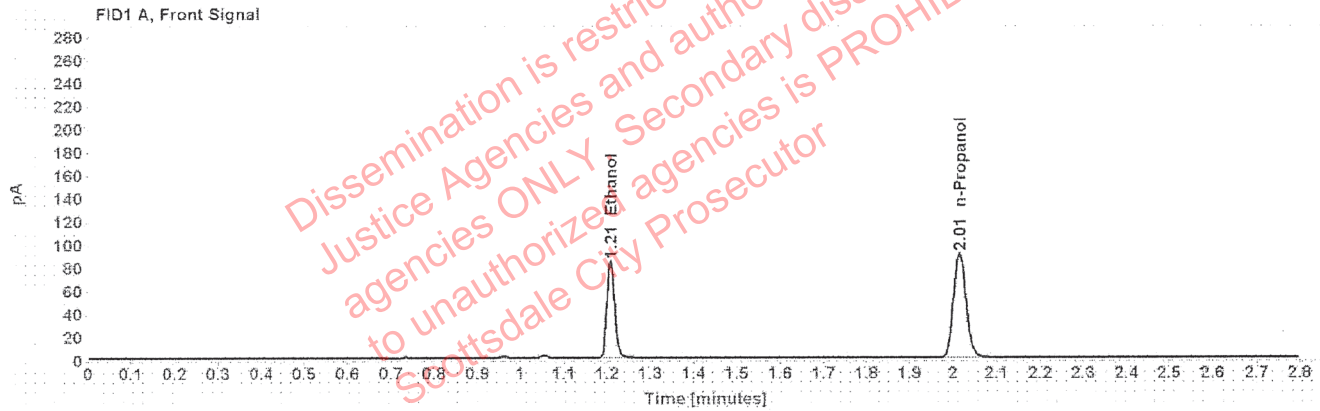


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1690	1.209	106.915
n-Propanol	-----	2.015	180.224

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

Compound	Time (min)	Peak Area
Ethanol	1.372	133.838
n-Propanol	2.466	221.153