

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 07/30/2020 SEQUENCE NAME 30Jul20

### EQUIPMENT

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

### INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN02271802 0.99999  
 Vial 3 0.20 calibrator Lot FN06231704  
 Vial 4 0.40 calibrator Lot FN05131606

### CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 040720AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 0312016-A/1
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 0312016-A/1
42	Aqueous control	0.400 g/dL	0.404 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	0.202 g/dL	ACQ 407041529/13
45	Blank	Not detected	Not detected	SPD lab 040919WB

### SUBJECT SAMPLES

Subjects in the sequence 12 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected. This run included verification of three new calibrators.

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

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

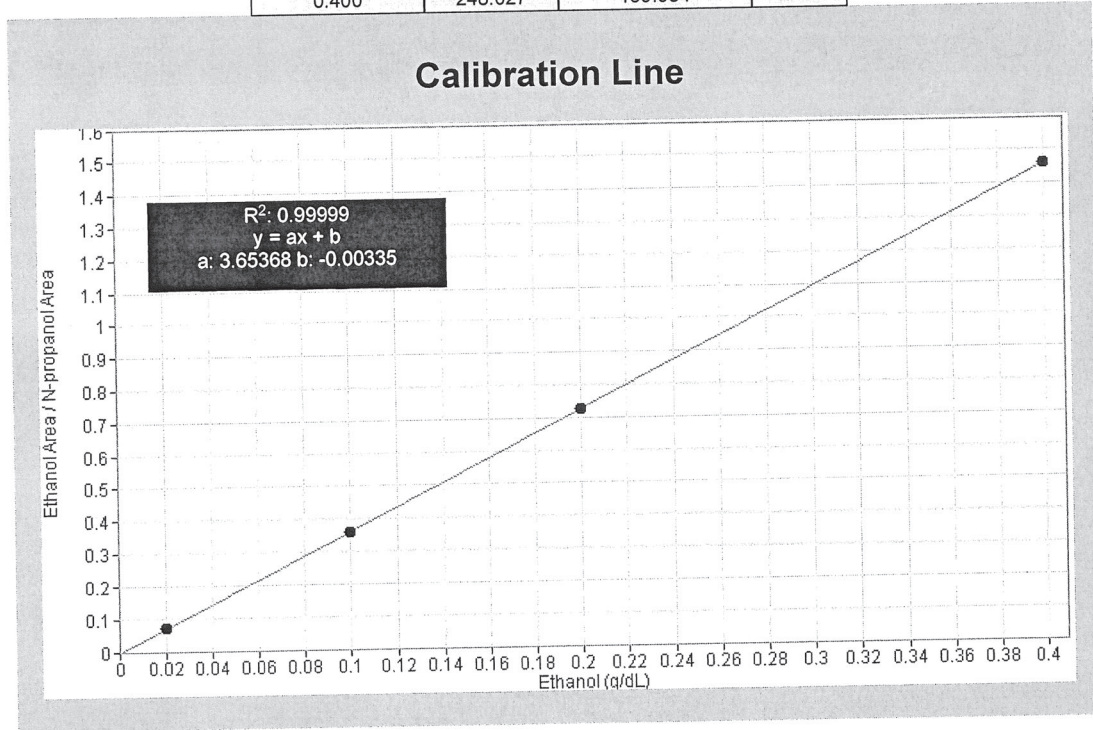
SEQUENCE NAME: 30Jul20

ANALYST: Abbott *QA*

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	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.199	0.198	0.51	0.001
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.080 03102016-A/1	31	0.081	0.080	1.25	0.001
0.400 11092018-A	42	0.404	0.400	1.00	0.004
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.198 407041529/13	44	0.202	0.198	2.02	0.004
blank 040919VB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.246	171.759	0.071
0.100	61.642	170.425	0.362
0.200	120.438	166.153	0.725
0.400	248.027	169.954	1.459

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03241604	Vial:	1
Description:	0.020 calibrator	Sequence:	30Jul20
Method:	ethanol quant.M	Injection date:	7/30/2020 3:09:20 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\30Jul20\1.D		

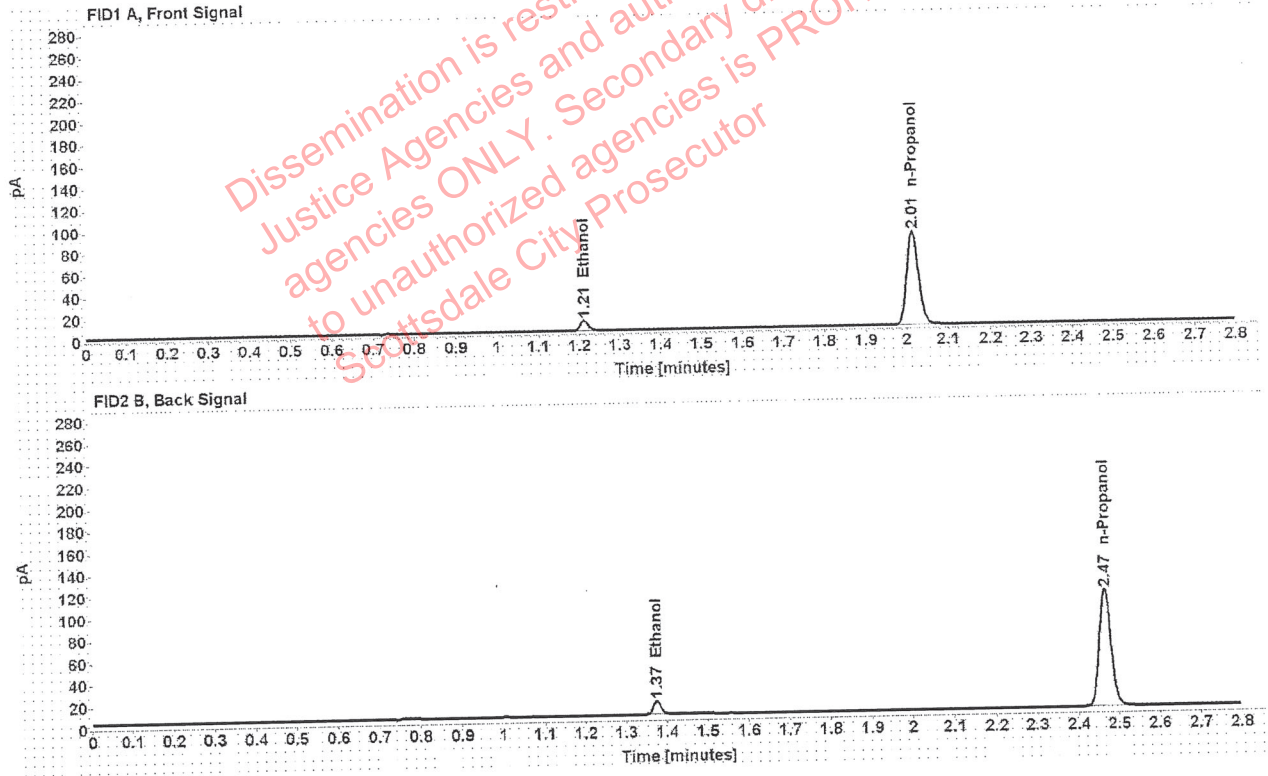


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	12.246
n-Propanol	2.015	171.759

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

Compound	Time (min)	Peak Area
Ethanol	1.375	15.420
n-Propanol	2.466	215.342

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 30Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/30/2020 3:13:22 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>[Signature]</i>
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\2.D	

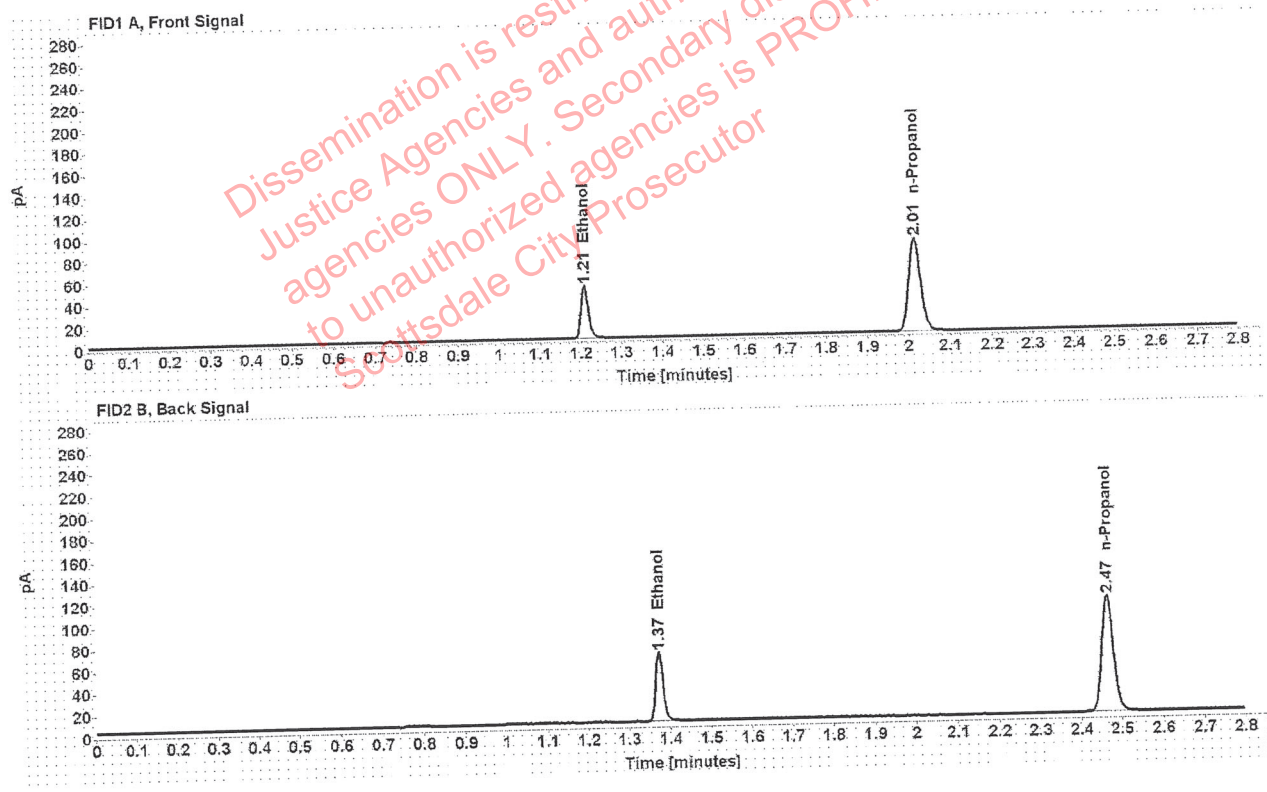


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	61.642
n-Propanol	2.015	170.425

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

Compound	Time (min)	Peak Area
Ethanol	1.373	77.468
n-Propanol	2.466	213.717

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 30Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/30/2020 3:17:20 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>[Signature]</i>
<b>Data file:</b> C:\Chem32\11\Data\30Jul20\3.D	

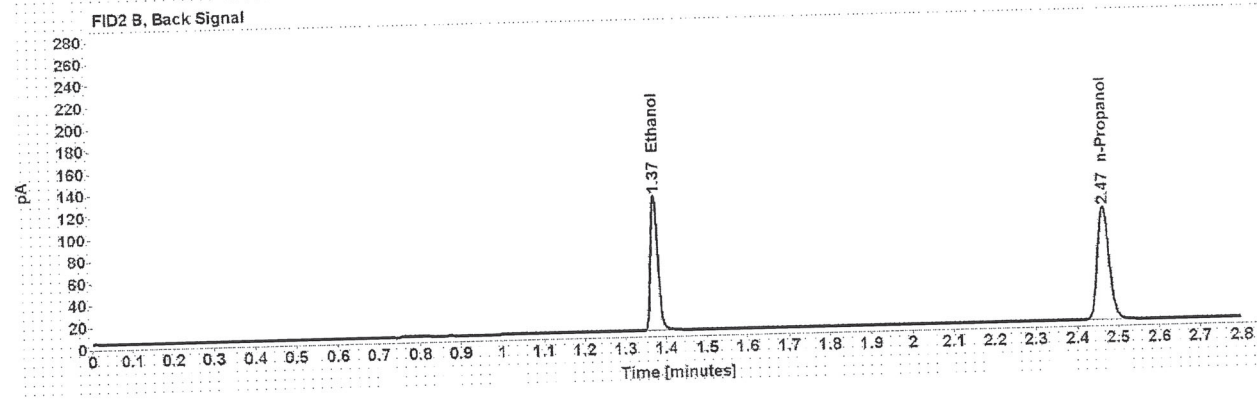
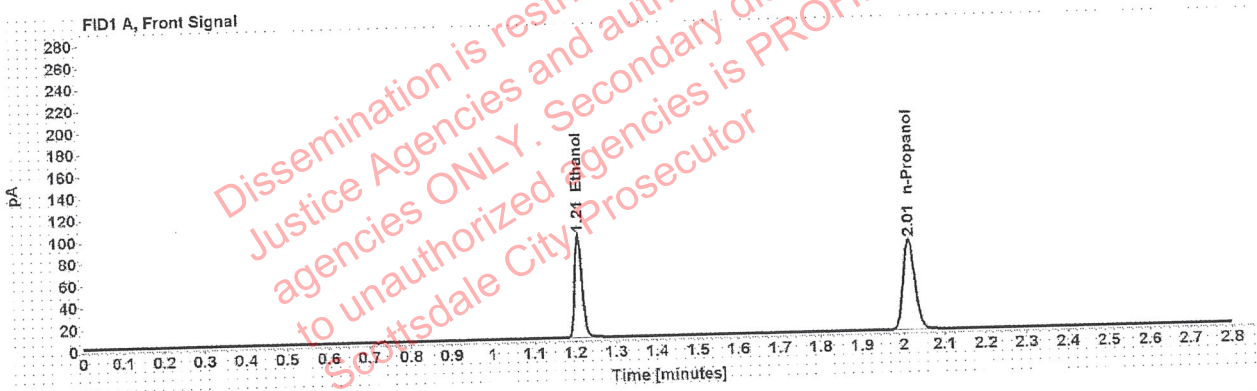


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.438
n-Propanol	2.015	166.153

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

Compound	Time (min)	Peak Area
Ethanol	1.373	151.490
n-Propanol	2.466	208.218

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606 <b>Description:</b> 0.400 calibrator <b>Method:</b> ethanol quant.M <b>Instrument:</b> US14173023 CN14160045 <b>Data file:</b> C:\Chem32\1\Data\30Jul20\4.D	<b>Vial:</b> 4 <b>Sequence:</b> 30Jul20 <b>Injection date:</b> 7/30/2020 3:21:21 PM <b>Analyst:</b> Abbott <i>JA</i>
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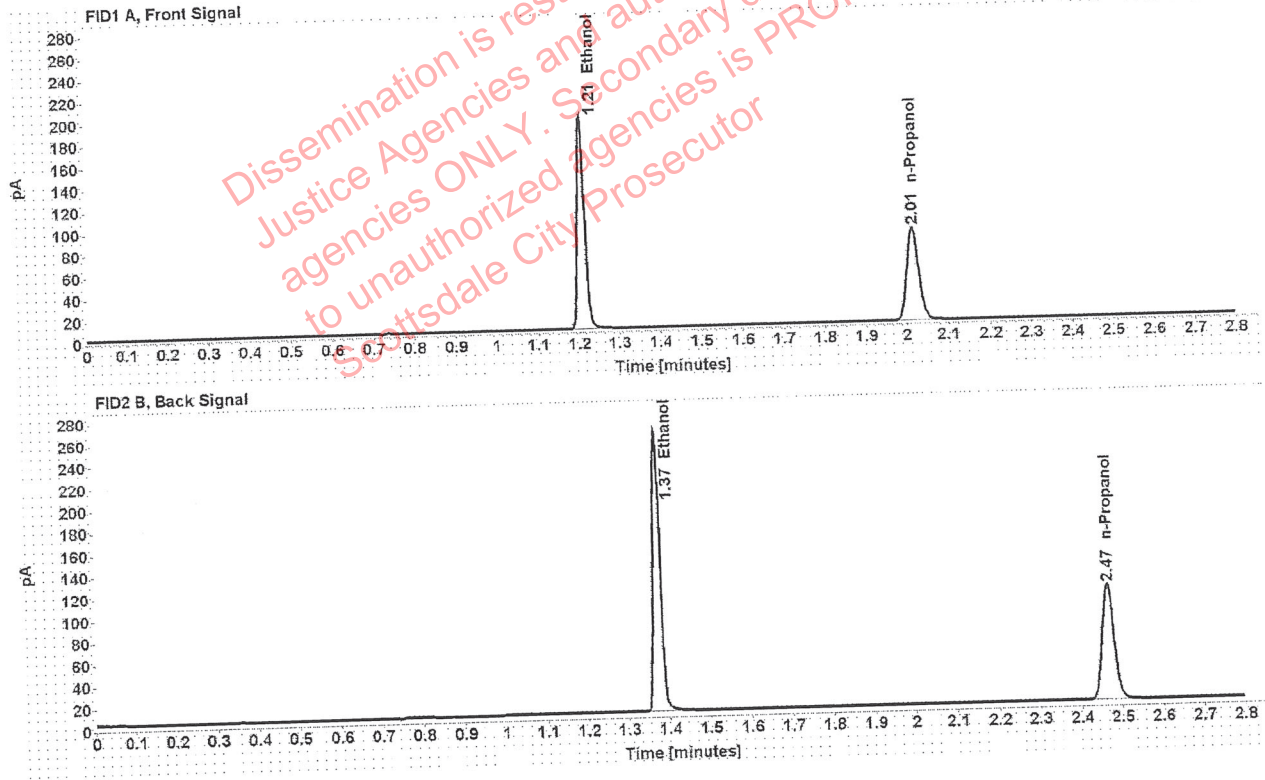


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	248.027
n-Propanol	2.015	169.954

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

Compound	Time (min)	Peak Area
Ethanol	1.372	313.874
n-Propanol	2.466	213.123

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040720AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 3:25:20 PM
Data file:	C:\Chem32\1\Data\30Jul20\5.D	Analyst:	Abbott <i>JA</i>

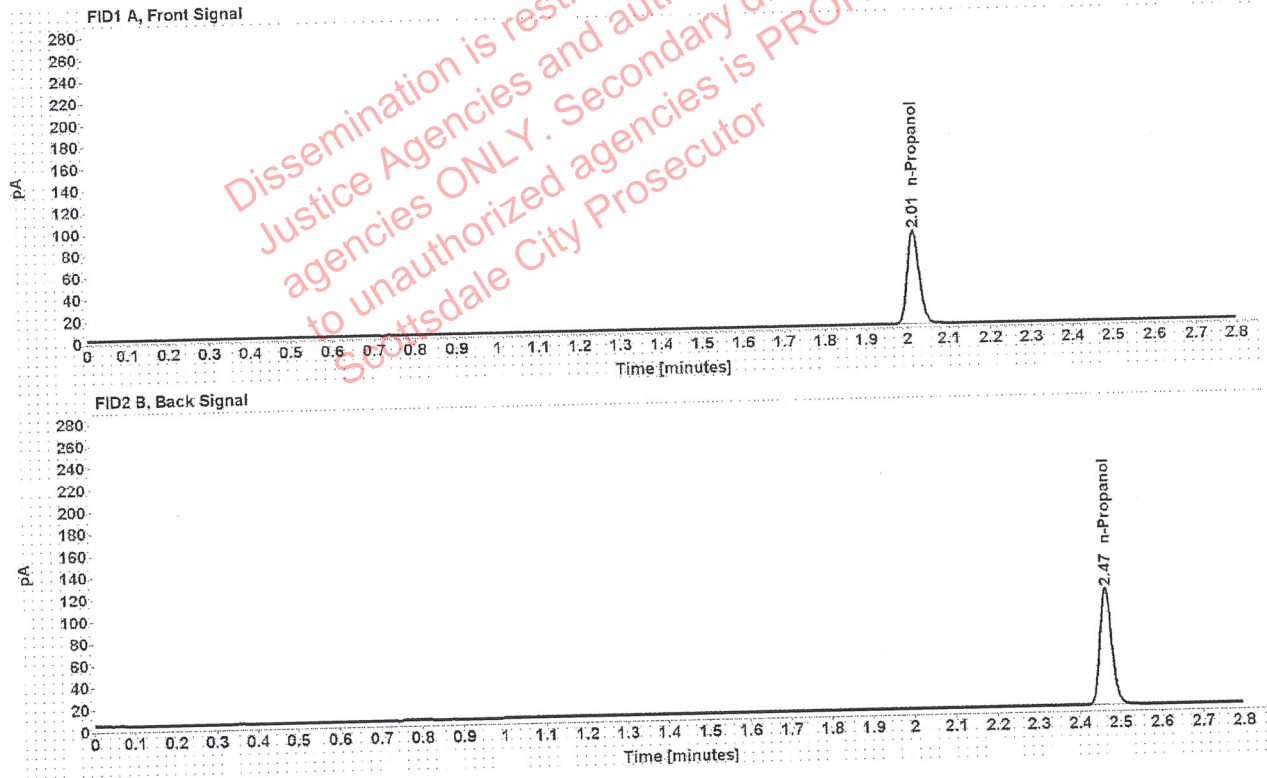


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	171.518

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	214.557

# 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> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 3:29:21 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\6.D	<b>Analyst:</b> Abbott <i>[Signature]</i>

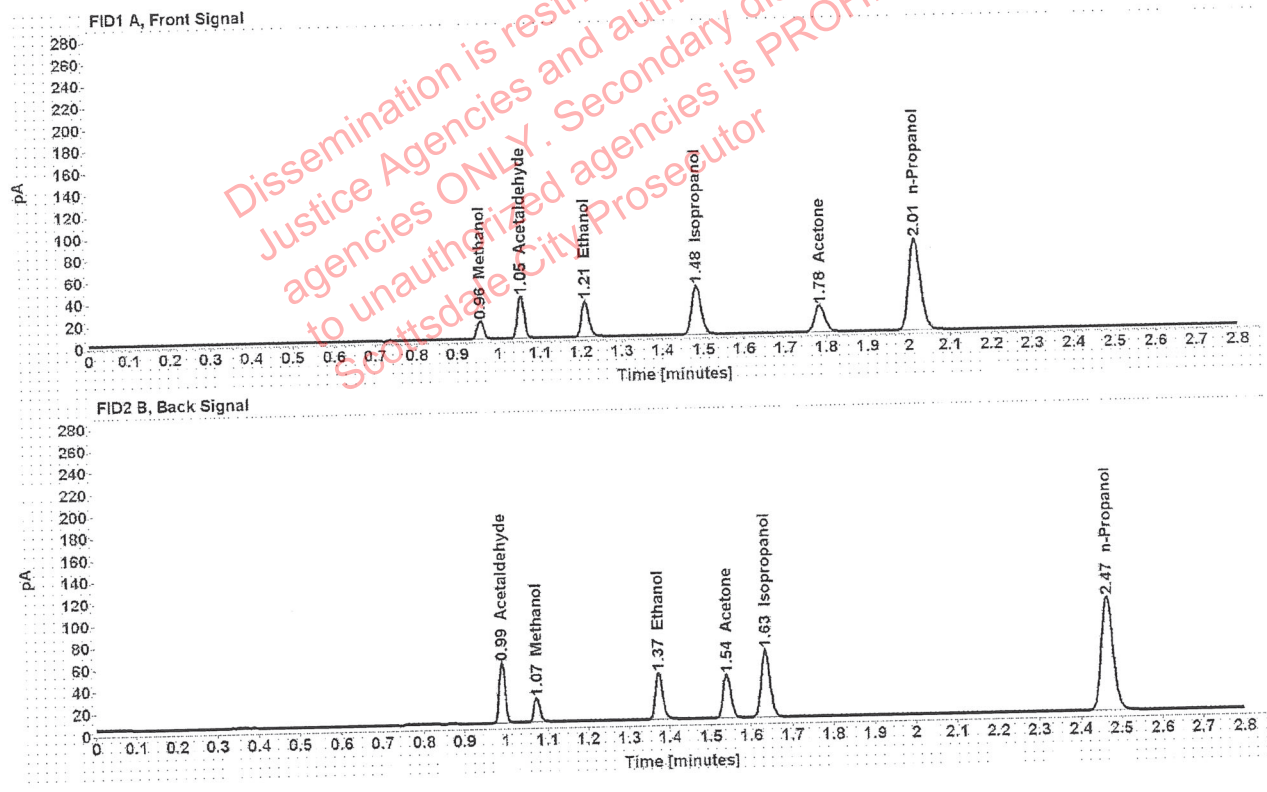


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.424
Acetaldehyde	-----	1.054	41.897
>Ethanol	0.0696	1.210	41.979
Isopropanol	-----	1.483	72.230
Acetone	-----	1.783	41.760
n-Propanol	-----	2.015	167.334

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	54.381
Methanol	1.075	23.873
Ethanol	1.373	52.794
Acetone	1.540	52.510
Isopropanol	1.635	93.217
n-Propanol	2.466	209.746



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 7
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 3:33:35 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\7.D	<b>Analyst:</b> Abbott

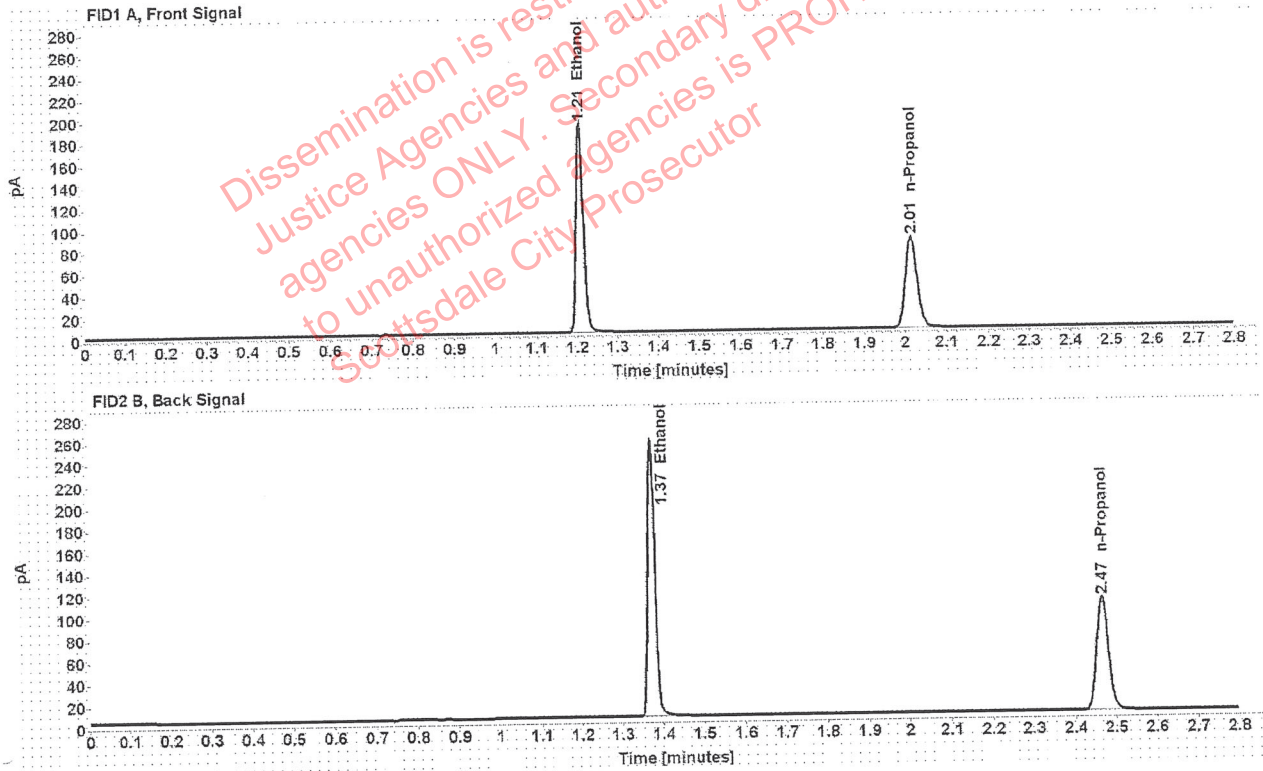


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4022	1.208	244.315
n-Propanol	-----	2.015	166.620

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

Compound	Time (min)	Peak Area
Ethanol	1.372	308.980
n-Propanol	2.466	208.717

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 30Jul20
Instrument: US14173023 CN14160045	Injection date: 7/30/2020 3:37:35 PM
Data file: C:\Chem32\11\Data\30Jul20\8.D	Analyst: Abbott <i>JA</i>

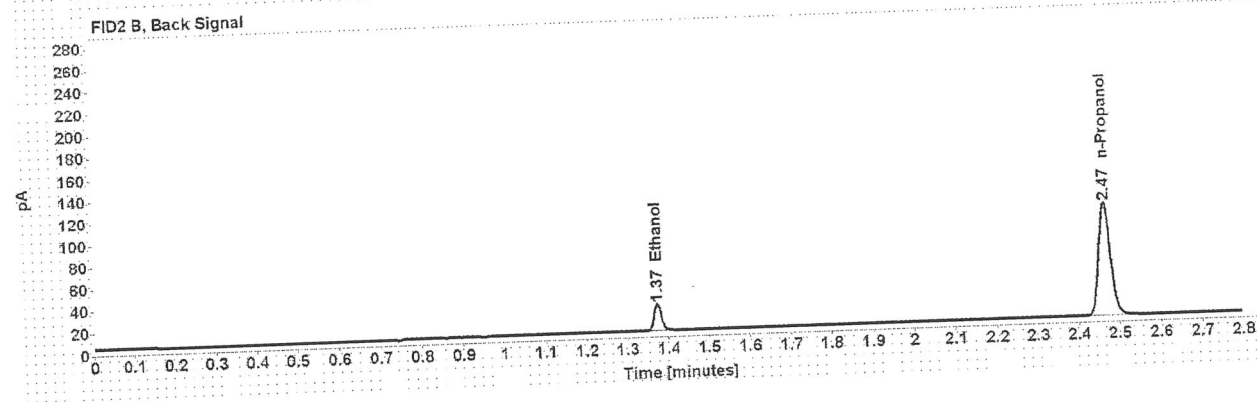
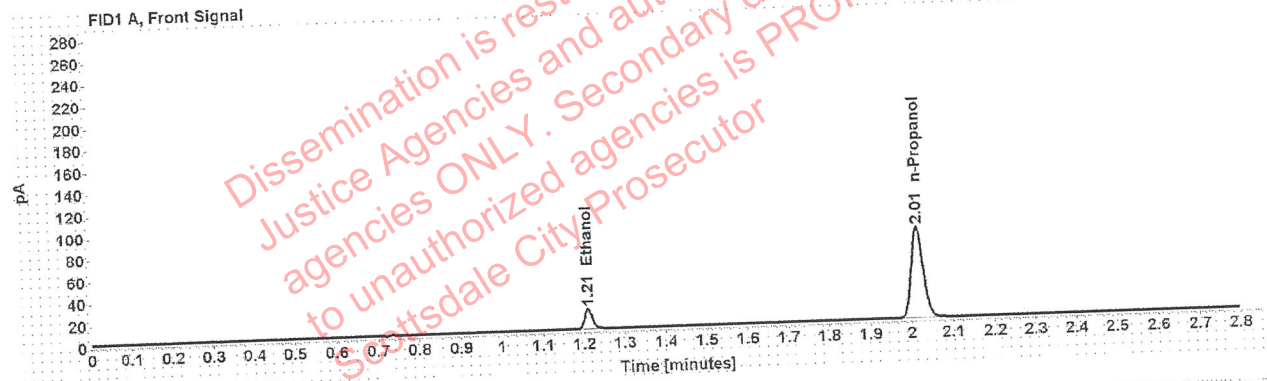


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0405	1.210	24.213
n-Propanol	-----	2.015	167.429

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.309
n-Propanol	2.466	209.338

# 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> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 3:41:35 PM
<b>Data file:</b> C:\Chem32\11Data\30Jul20\9.D	<b>Analyst:</b> Abbott <i>JA</i>

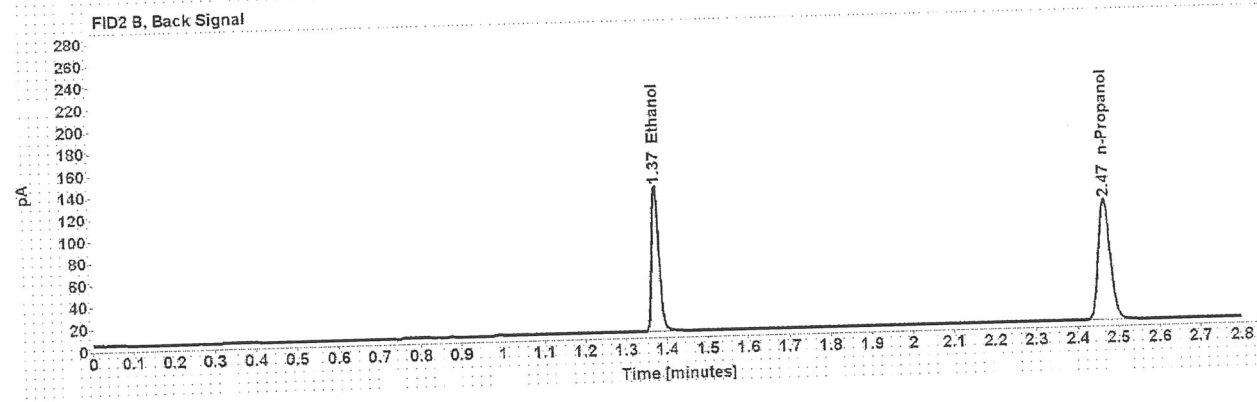
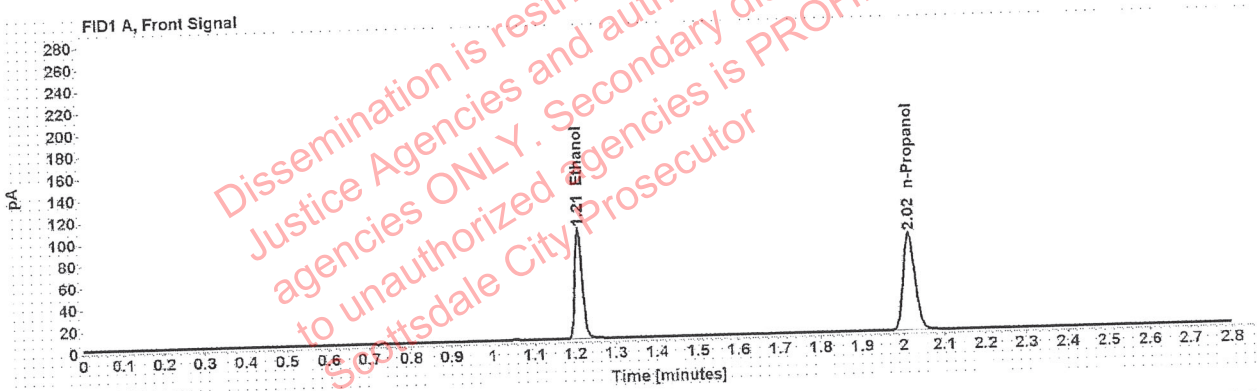


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1999	1.210	129.700
n-Propanol	-----	2.016	178.434

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

Compound	Time (min)	Peak Area
Ethanol	1.374	162.855
n-Propanol	2.468	223.184

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 30Jul20
Instrument: US14173023 CN14160045	Injection date: 7/30/2020 4:26:05 PM
Data file: C:\Chem32\1\Data\30Jul20\20.D	Analyst: Abbott <i>JA</i>

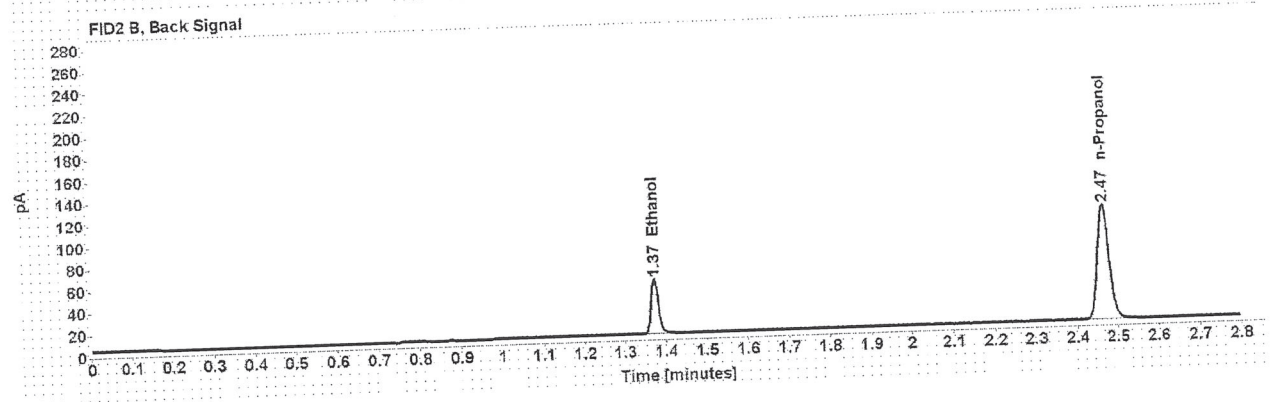
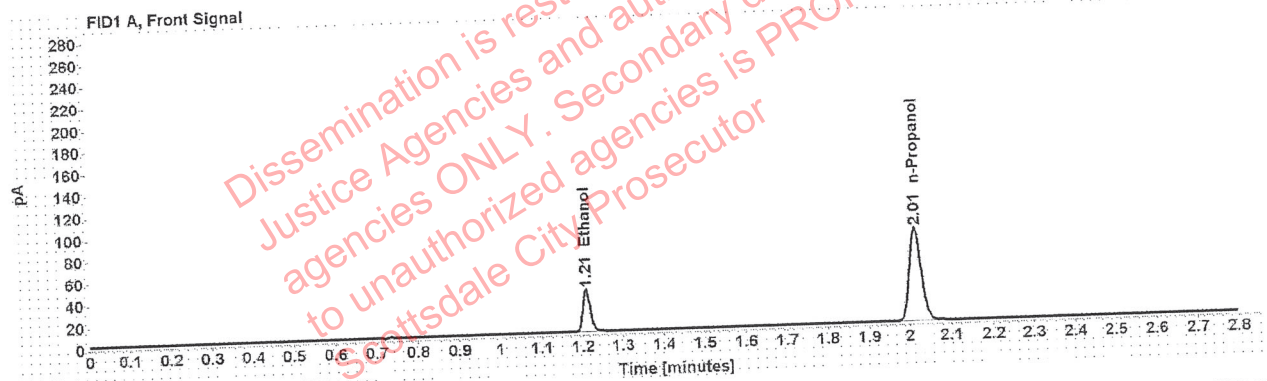


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.210	49.669
n-Propanol	-----	2.015	170.642

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

Compound	Time (min)	Peak Area
Ethanol	1.373	62.178
n-Propanol	2.466	212.893

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 03102016-A/1	<b>Vial:</b> 31
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:10:36 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\31.D	<b>Analyst:</b> Abbott <i>DA</i>

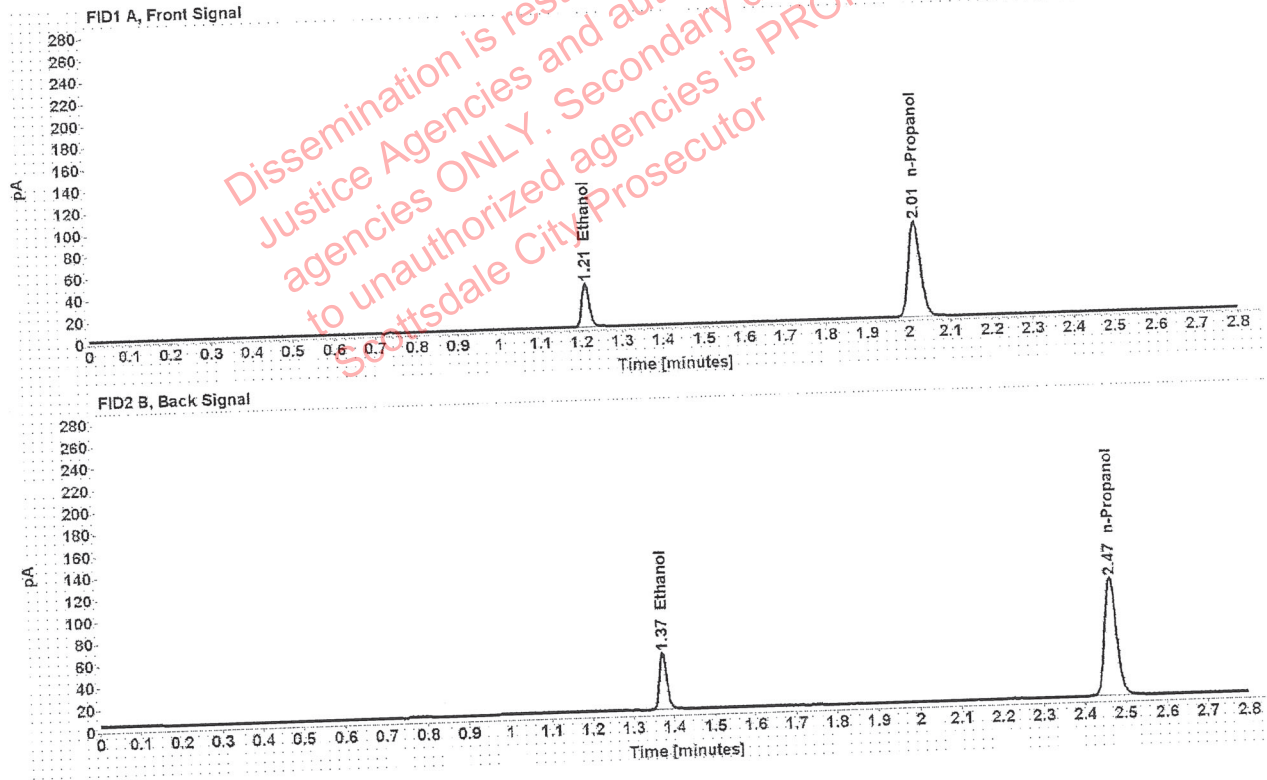


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.210	51.333
n-Propanol	-----	2.015	175.377

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

Compound	Time (min)	Peak Area
Ethanol	1.373	64.114
n-Propanol	2.466	218.466

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 42
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:54:51 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\42.D	<b>Analyst:</b> Abbott <i>[Signature]</i>

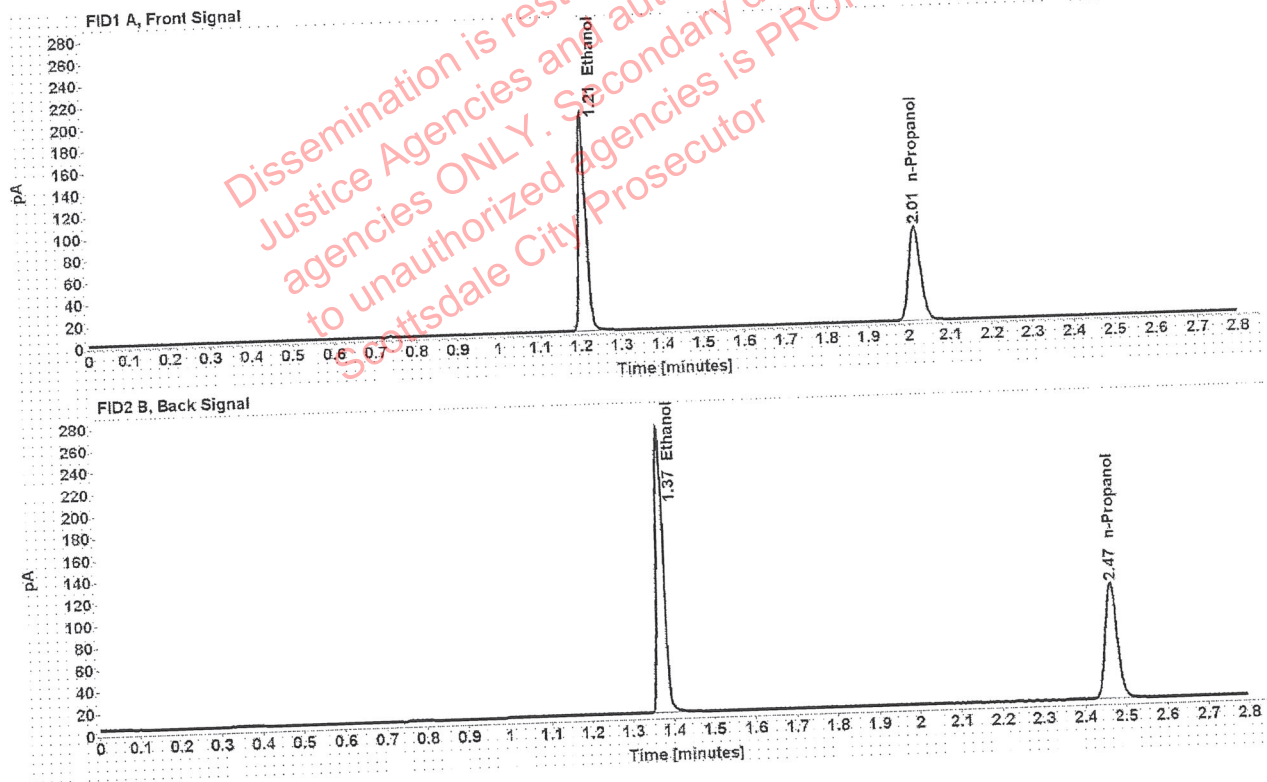


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4040	1.208	253.979
n-Propanol	-----	2.015	172.445

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

Compound	Time (min)	Peak Area
Ethanol	1.372	320.859
n-Propanol	2.466	215.203

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 30Jul20
Instrument: US14173023 CN14160045	Injection date: 7/30/2020 5:59:07 PM
Data file: C:\Chem32\1\Data\30Jul20\43.D	Analyst: Abbott

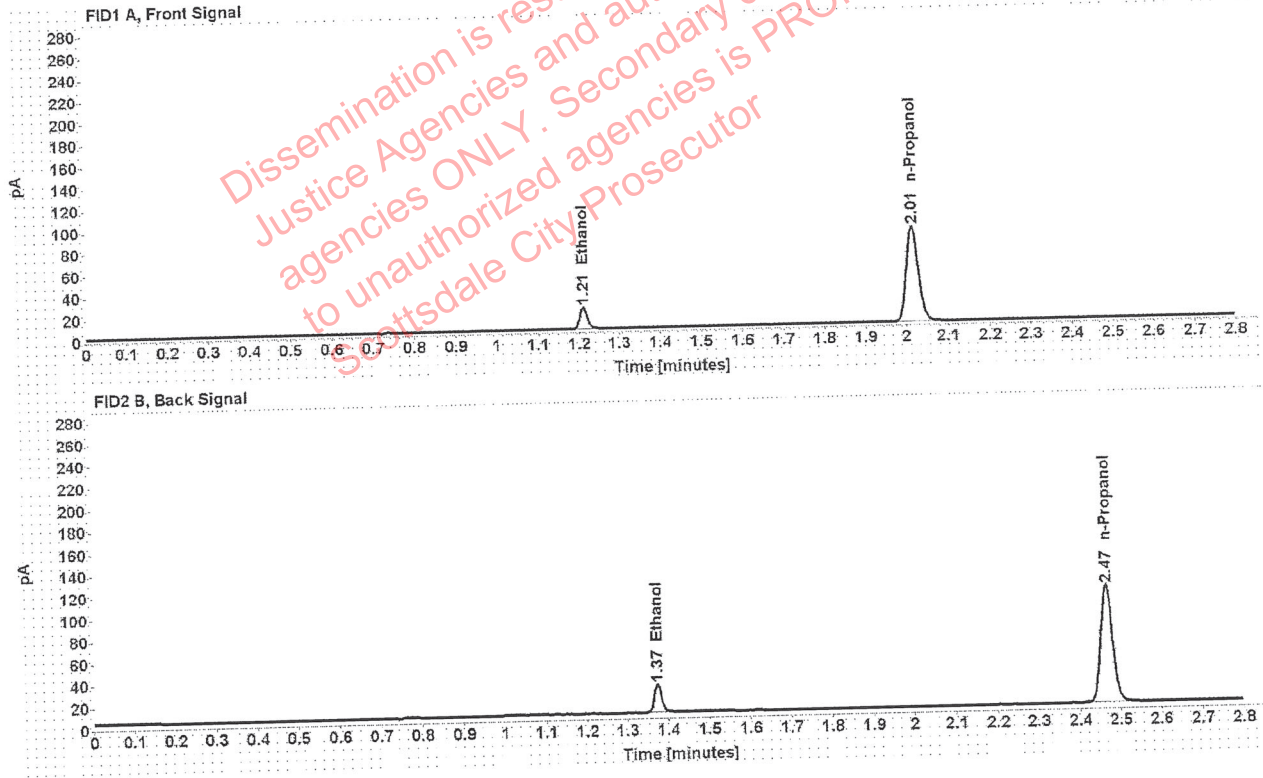


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.211	25.639
n-Propanol	-----	2.015	174.354

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

Compound	Time (min)	Peak Area
Ethanol	1.374	31.932
n-Propanol	2.466	217.050

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 30Jul20
Instrument: US14173023 CN14160045	Injection date: 7/30/2020 6:03:06 PM
Data file: C:\Chem32\1\Data\30Jul20\44.D	Analyst: Abbott

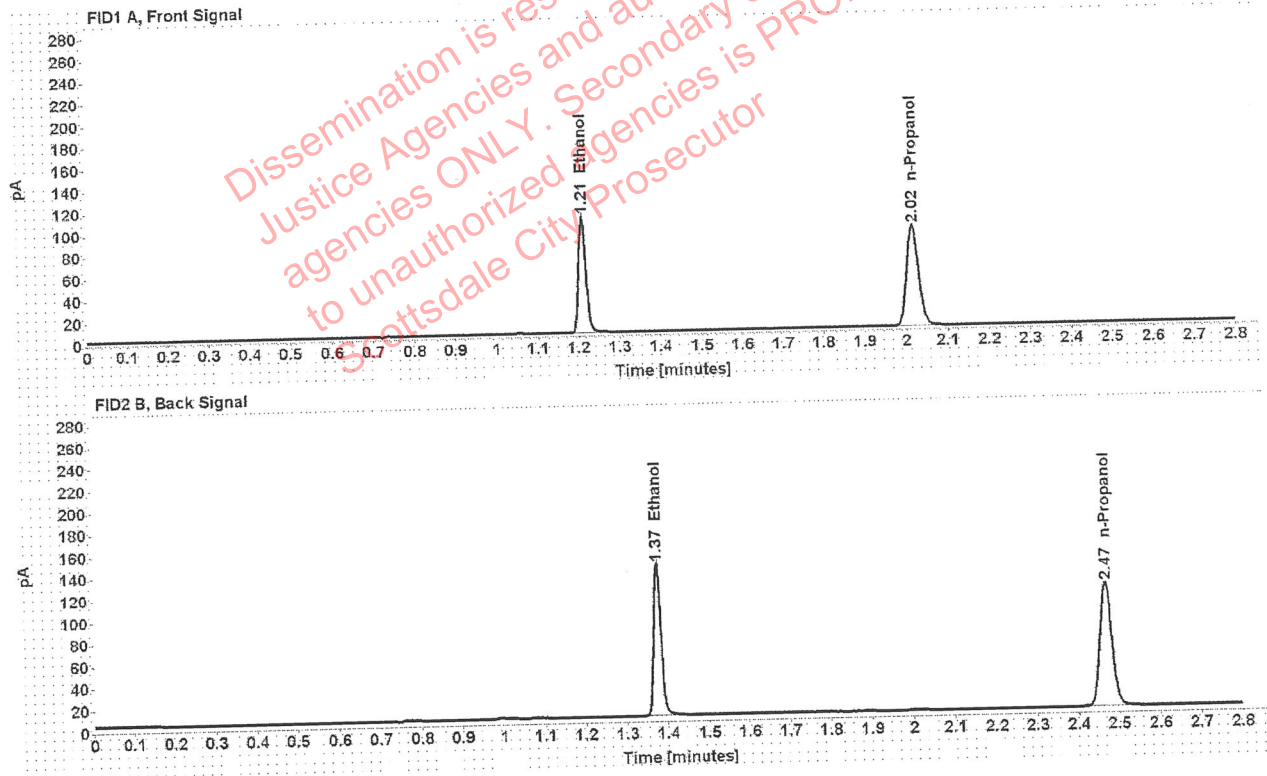


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2024	1.210	136.042
n-Propanol	-----	2.016	184.796

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

Compound	Time (min)	Peak Area
Ethanol	1.375	170.423
n-Propanol	2.468	230.179



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 30Jul20
Instrument: US14173023 CN14160045	Injection date: 7/30/2020 6:07:06 PM
Data file: C:\Chem32\1\Data\30Jul20\45.D	Analyst: Abbott

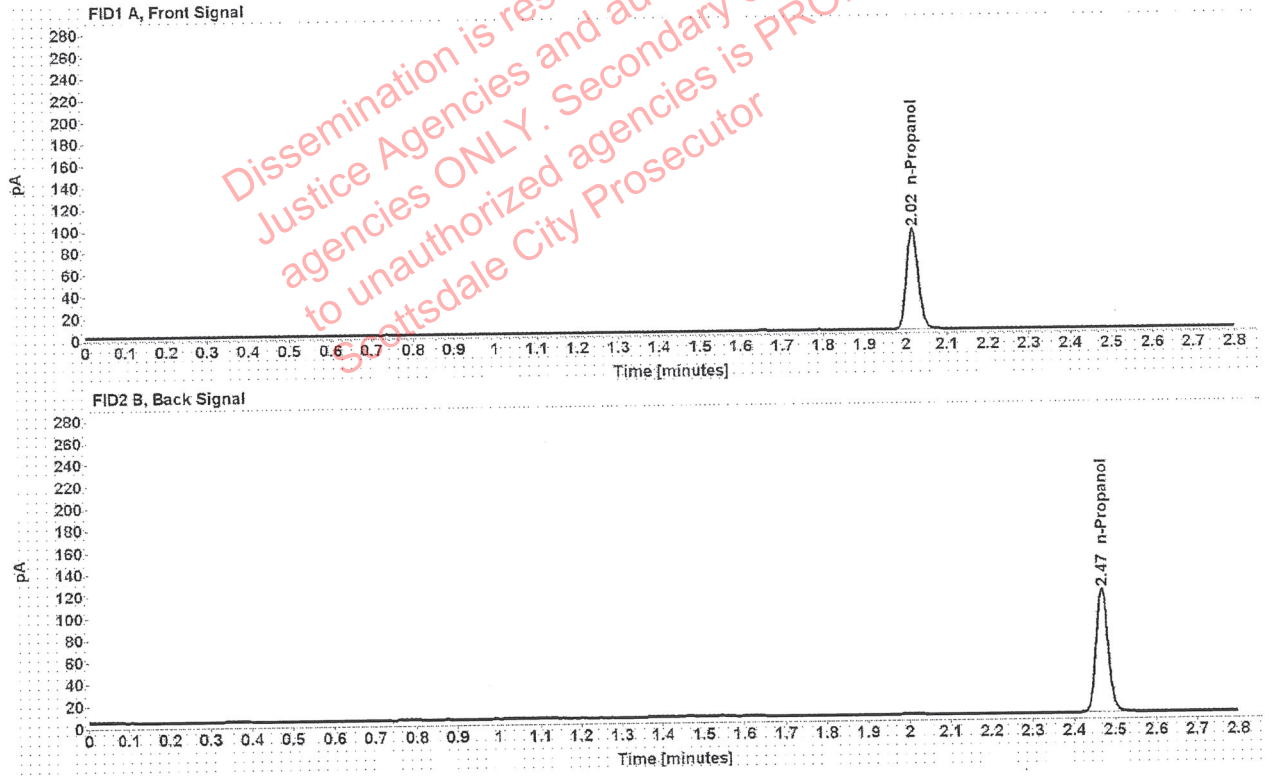


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	183.682

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	228.842

# Sequence Summary

Sequence name: 30Jul20      Instrument: US14173023 CN14160045      Analyst: Abbott 

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	1294177		Sample		ethanol quant.M
11	1294177		Sample		ethanol quant.M
12	32701RL		Sample		ethanol quant.M
13	32701RL		Sample		ethanol quant.M
14	34901AH		Sample		ethanol quant.M
15	34901AH		Sample		ethanol quant.M
16	1328285		Sample		ethanol quant.M
17	1328285		Sample		ethanol quant.M
18	1287107		Sample		ethanol quant.M
19	1287107		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1309599		Sample		ethanol quant.M
22	1309599		Sample		ethanol quant.M
23	1330442		Sample		ethanol quant.M
24	1330442		Sample		ethanol quant.M
25	1330770		Sample		ethanol quant.M
26	1330770		Sample		ethanol quant.M
27	1296792		Sample		ethanol quant.M
28	1296792		Sample		ethanol quant.M
29	1304117		Sample		ethanol quant.M
30	1304117		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1330879		Sample		ethanol quant.M
33	1330879		Sample		ethanol quant.M
34	1331708		Sample		ethanol quant.M
35	1331708		Sample		ethanol quant.M
36	FN05311902	Cerilliant, 0.100	Sample	validation	ethanol quant.M
37	FN05311902	Cerilliant, 0.100	Sample	validation	ethanol quant.M
38	FN05101903	Cerilliant, 0.200	Sample	validation	ethanol quant.M
39	FN05101903	Cerilliant, 0.200	Sample	validation	ethanol quant.M
40	FN10051906	Cerilliant, 0.400	Sample	validation	ethanol quant.M
41	FN10051906	Cerilliant, 0.400	Sample	validation	ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 30Jul20

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1355	0.1360	0.13575	0.18	0.00025
12 13	0.1213	0.1235	0.12240	0.90	0.00110
14 15	0.2062	0.2069	0.20655	0.17	0.00035
16 17	0.1976	0.1972	0.19740	0.10	0.00020
18 19	0.1290	0.1287	0.12885	0.12	0.00015
21 22	0.2984	0.3036	0.30100	0.86	0.00260
23 24	0.2295	0.2299	0.22970	0.09	0.00020
25 26	0.0816	0.0808	0.08120	0.49	0.00040
27 28	0.2513	0.2531	0.25220	0.36	0.00090
29 30	0.1367	0.1369	0.13680	0.07	0.00010
32 33	0.0738	0.0732	0.07350	0.41	0.00030
34 35	0.1693	0.1674	0.16835	0.56	0.00095
36 37	0.1002	0.1012	0.10070	0.50	0.00050
38 39	0.2003	0.2007	0.20050	0.10	0.00020
40 41	0.4074	0.4054	0.40640	0.25	0.00100

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



Case: [REDACTED] User: labott 7/31/2020

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294177	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 3:45:36 PM
Data file:	C:\Chem32\1\Data\30Jul20\10.D	Analyst:	Abbott

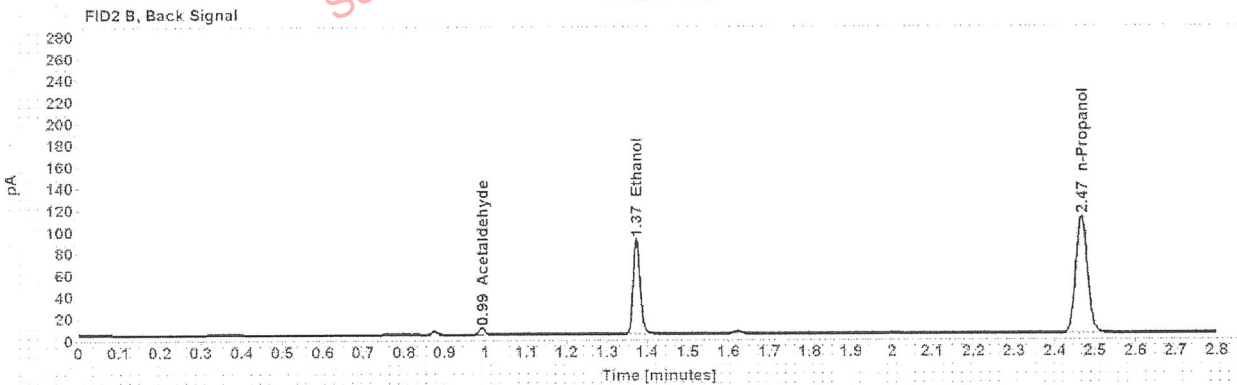
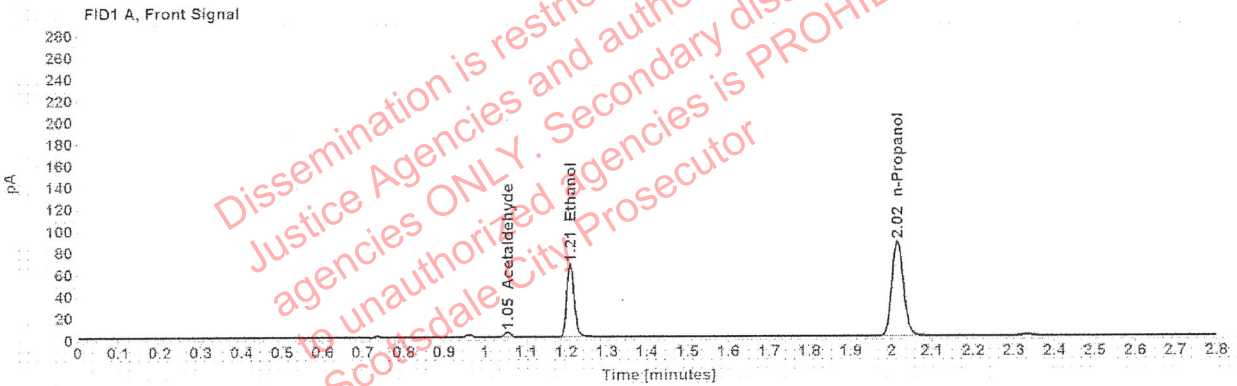


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.593
>Ethanol	0.1355	1.209	85.459
n-Propanol	-----	2.015	173.824

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	6.042
Ethanol	1.373	107.388
n-Propanol	2.466	218.196

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294177	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 3:49:35 PM
Data file:	C:\Chem32\11\Data\30Jul20\11.D	Analyst:	Abbott

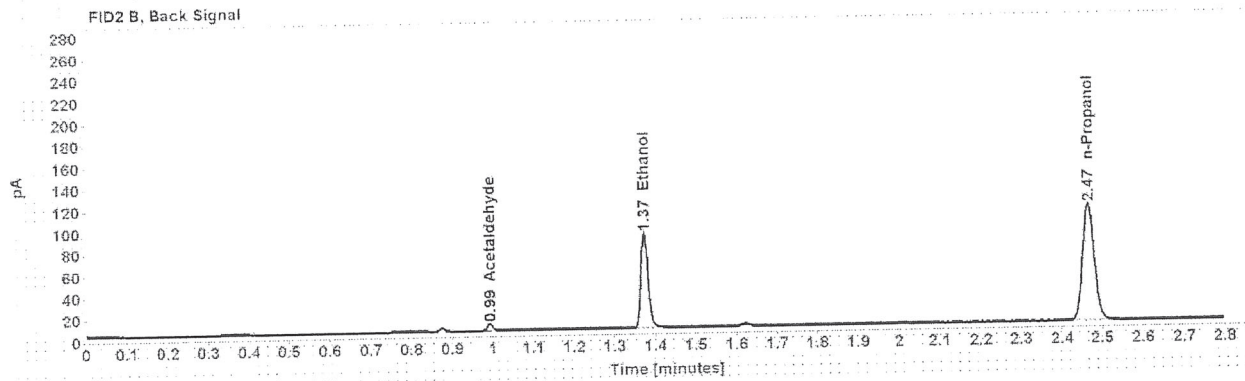
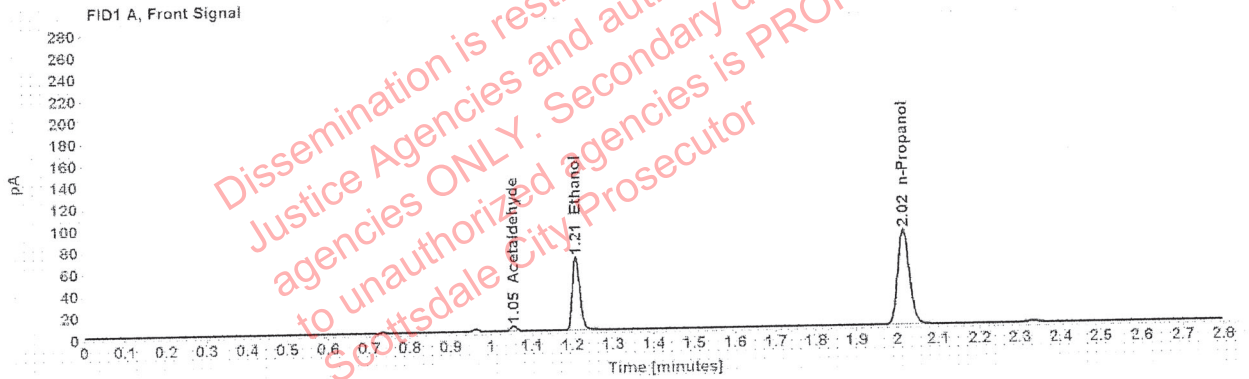


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.608
>Ethanol	0.1360	1.209	85.694
n-Propanol	-----	2.015	173.686

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	6.090
Ethanol	1.373	107.588
n-Propanol	2.466	217.714

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701RL	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 3:53:36 PM
Data file:	C:\Chem32\1\Data\30Jul20\12.D	Analyst:	Abbott

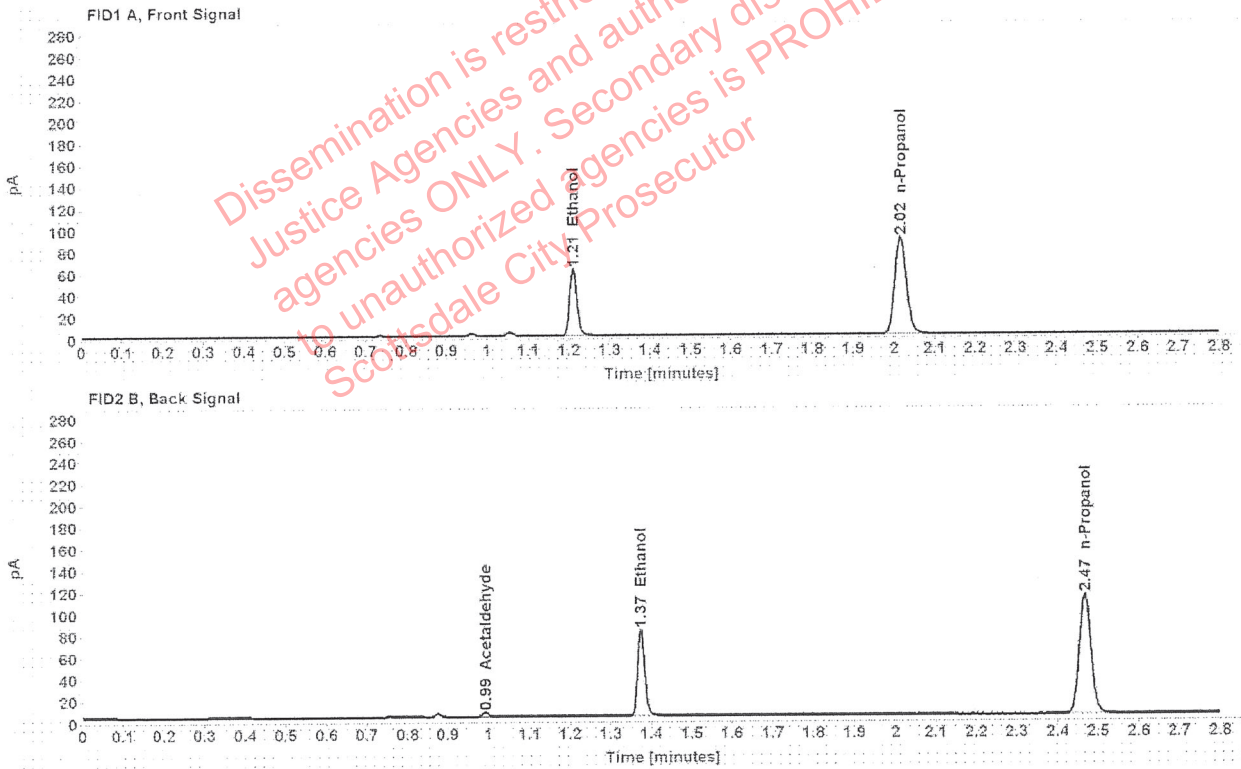


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1213	1.210	78.212
n-Propanol	-----	2.016	177.873

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.176
Ethanol	1.374	97.930
n-Propanol	2.467	222.444

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701RL	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 3:57:51 PM
Data file:	C:\Chem32\1\Data\30Jul20\13.D	Analyst:	Abbott

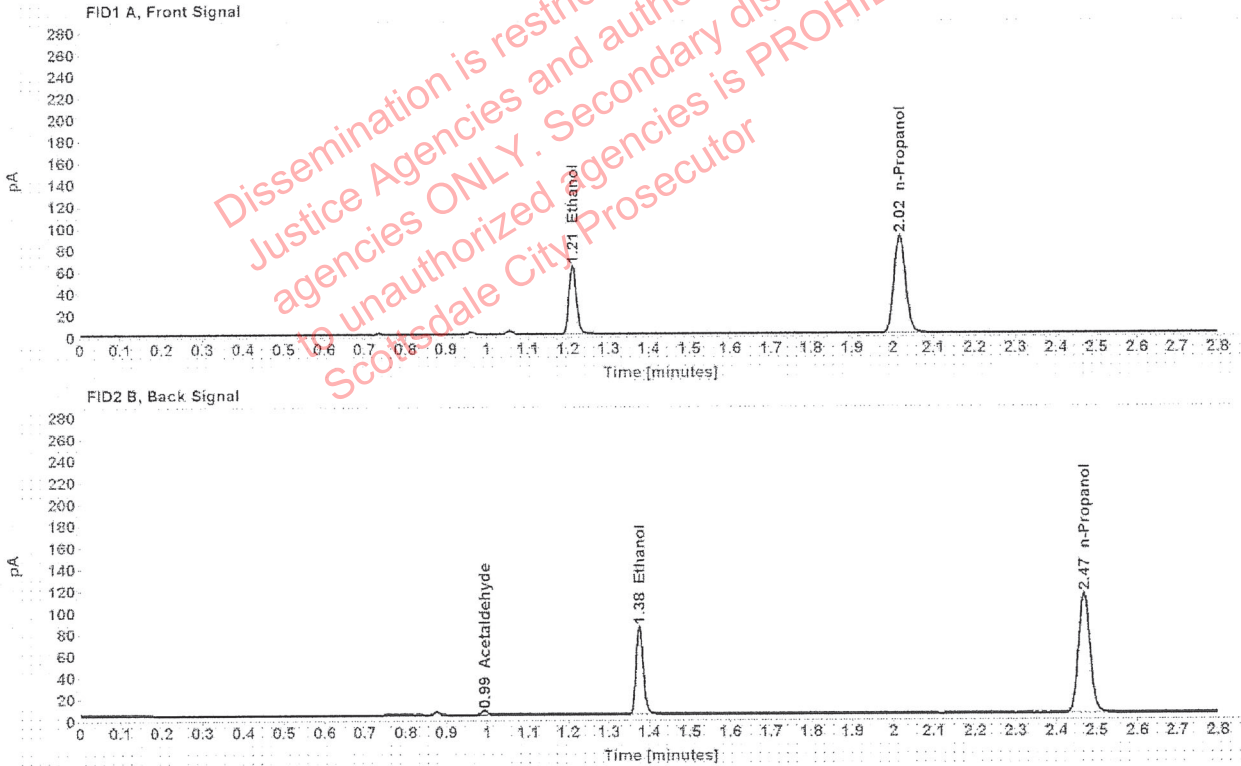


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1235	1.211	80.395
n-Propanol	-----	2.016	179.521

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.951
Ethanol	1.376	100.707
n-Propanol	2.468	224.391



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34901AH	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:01:51 PM
Data file:	C:\Chem32\1\Data\30Jul20\14.D	Analyst:	Abbott

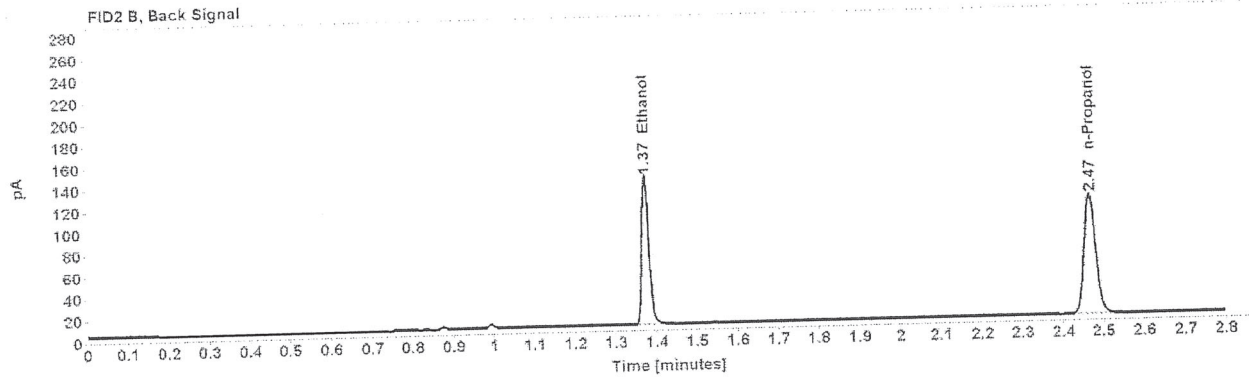
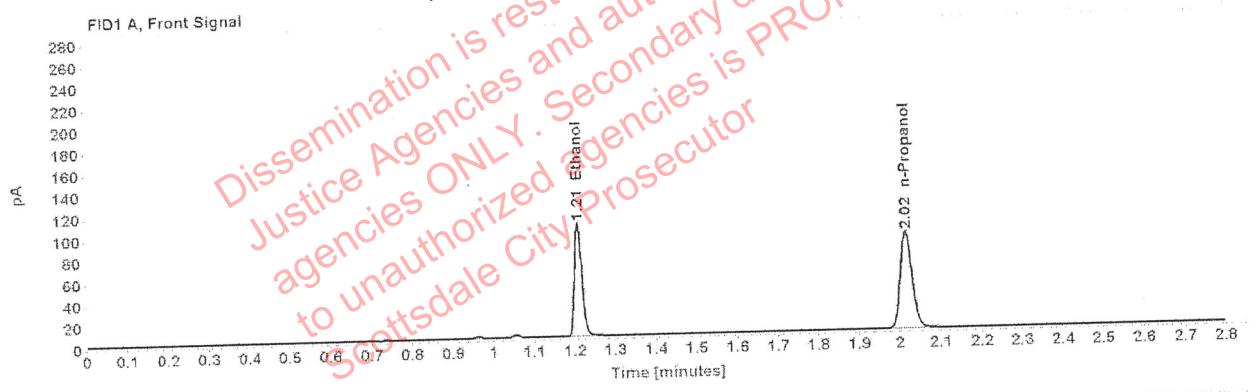


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2062	1.210	133.843
n-Propanol	-----	2.016	178.477

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

Compound	Time (min)	Peak Area
Ethanol	1.375	167.947
n-Propanol	2.468	222.905

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34901AH	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:05:50 PM
Data file:	C:\Chem32\1\Data\30Jul20\15.D	Analyst:	Abbott

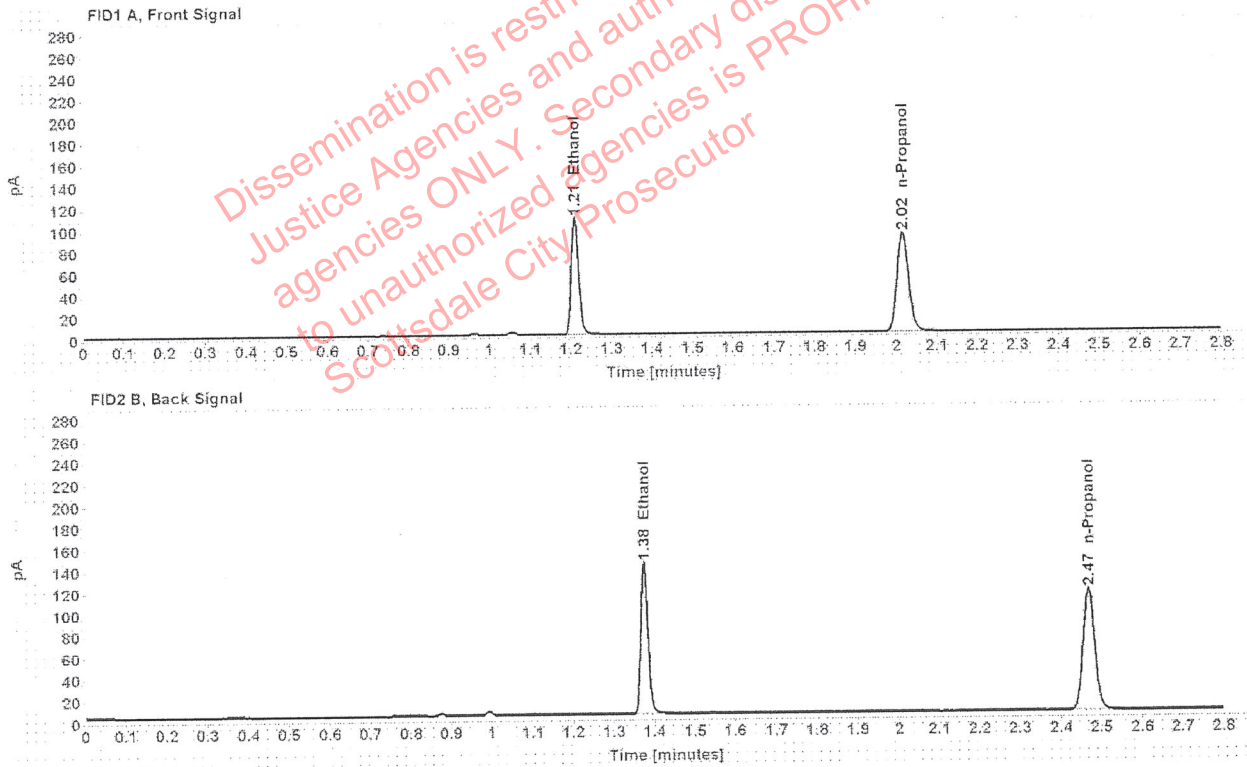


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2069	1.210	137.034
n-Propanol	-----	2.016	182.112

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

Compound	Time (min)	Peak Area
Ethanol	1.375	172.339
n-Propanol	2.468	227.295

[REDACTED]: Abbott, Lori - (31-Jul-2020)

Case: [REDACTED] User: labott 7/31/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1328285	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:09:51 PM
Data file:	C:\Chem32\1\Data\30Jul20\16.D	Analyst:	Abbott

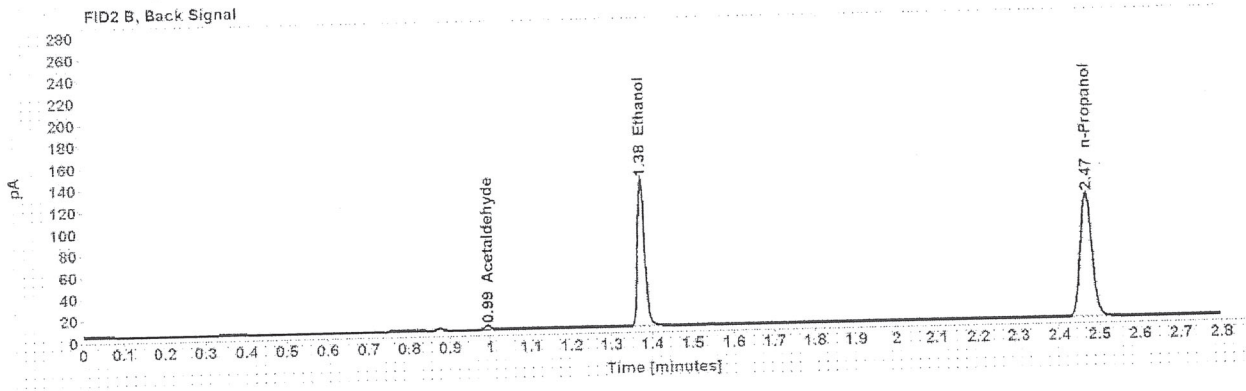
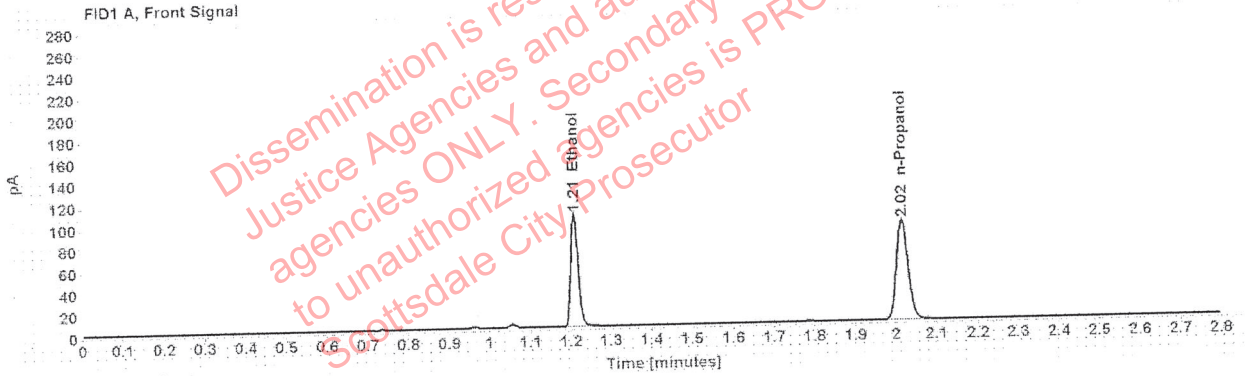


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1976	1.210	132.936
n-Propanol	-----	2.016	185.028

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.784
Ethanol	1.375	166.956
n-Propanol	2.468	231.092

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1328285	Vial: 17
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 30Jul20
Instrument: US14173023 CN14160045	Injection date: 7/30/2020 4:13:53 PM
Data file: C:\Chem32\1\Data\30Jul20\17.D	Analyst: Abbott

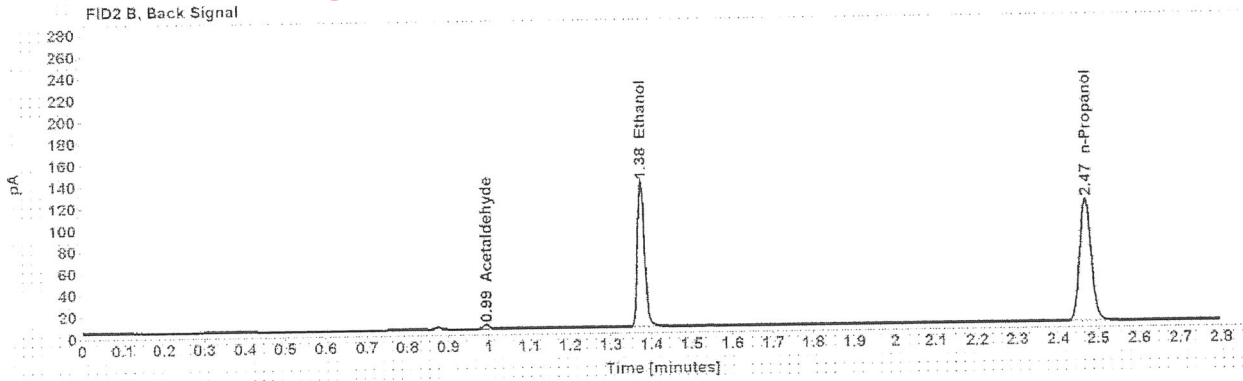
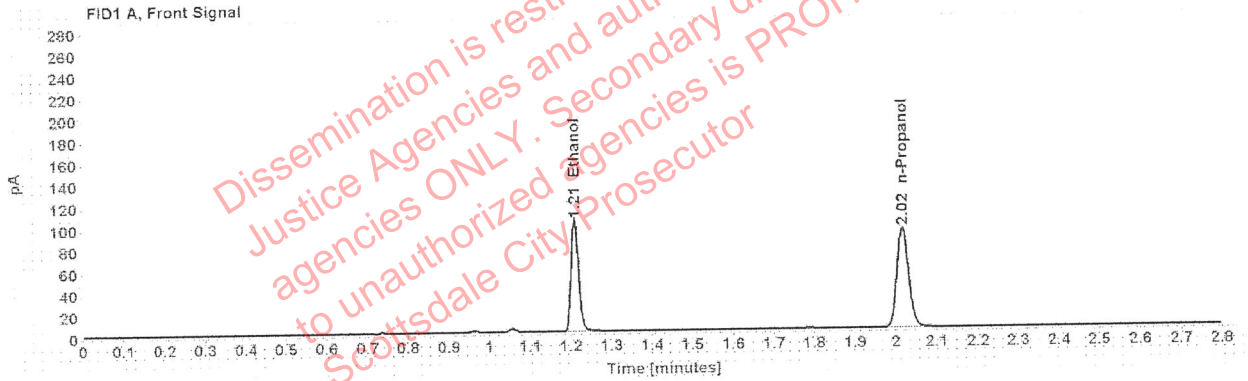


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1972	1.210	131.547
n-Propanol	-----	2.016	183.400

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.798
Ethanol	1.375	164.937
n-Propanol	2.468	228.872

: Abbott, Lori - (31-Jul-2020)

Case: [REDACTED] User: labbott 7/31/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1287107	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:17:50 PM
Data file:	C:\Chem32\1\Data\30Jul20\18.D	Analyst:	Abbott

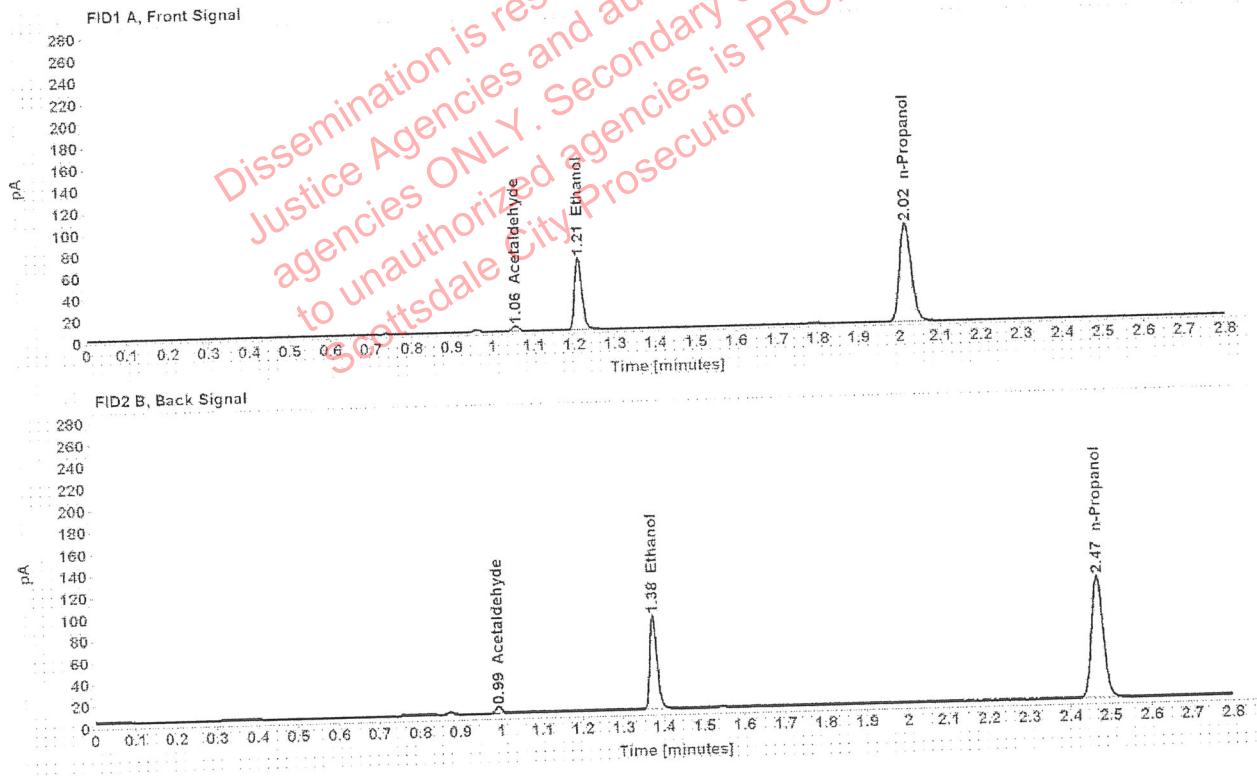


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.755
>Ethanol	0.1290	1.211	85.116
n-Propanol	-----	2.016	181.871

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.201
Ethanol	1.375	106.638
n-Propanol	2.468	227.556

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1287107	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:22:06 PM
Data file:	C:\Chem32\1\Data\30Jul20\19.D	Analyst:	Abbott

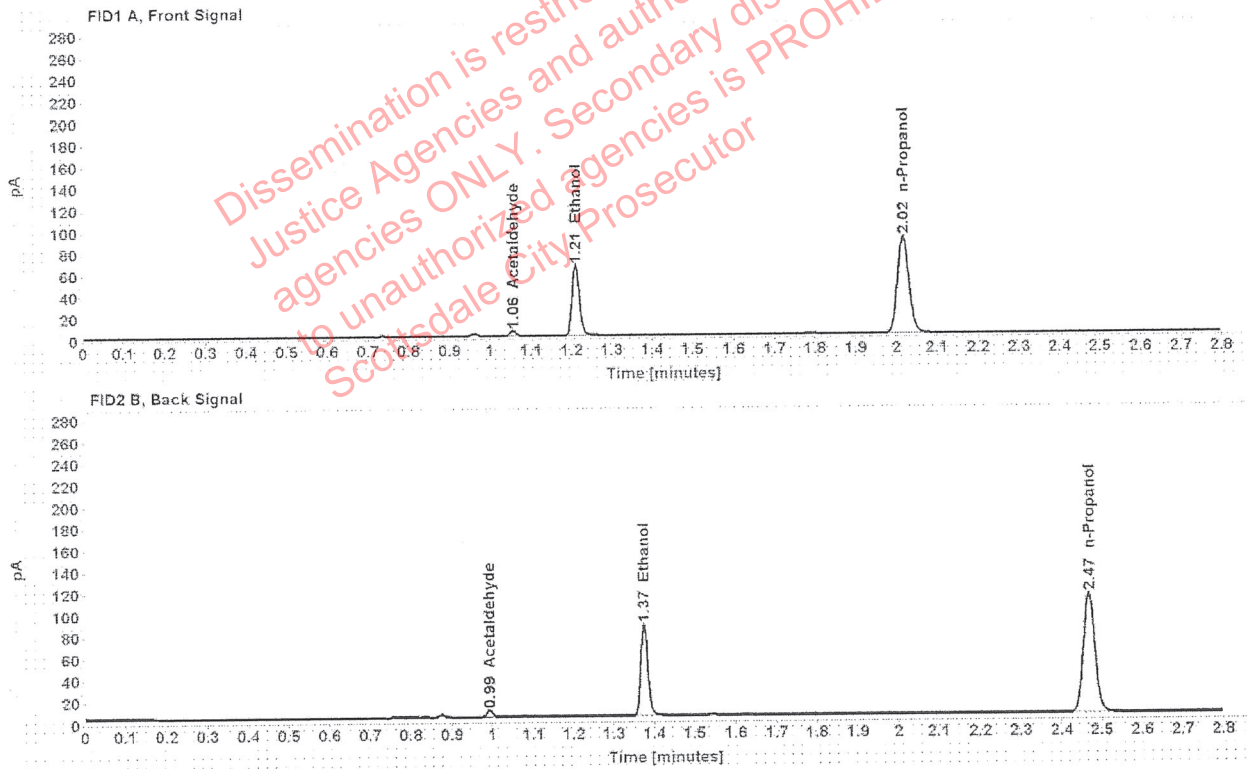


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.738
>Ethanol	0.1287	1.210	83.179
n-Propanol	-----	2.016	178.201

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.246
Ethanol	1.375	103.923
n-Propanol	2.468	222.773

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309599	Vial:	21
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:30:05 PM
Data file:	C:\Chem32\1\Data\30Jul20\21.D	Analyst:	Abbott

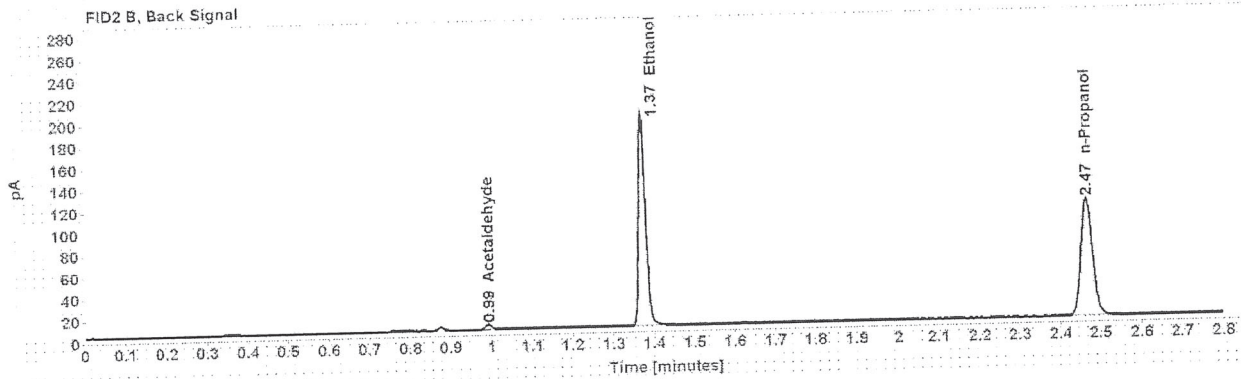
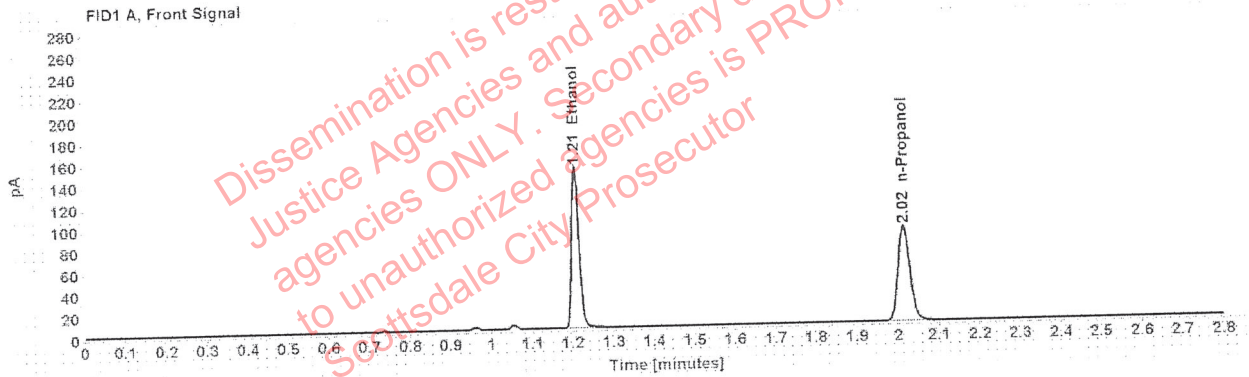


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2984	1.209	189.969
n-Propanol	-----	2.015	174.804

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	4.781
Ethanol	1.373	238.496
n-Propanol	2.467	218.641

: Abbott, Lori - (31-Jul-2020)

Case: [REDACTED] User: lbabbott 7/31/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1309599  
Description: [REDACTED]  
Method: ethanol quant.M  
Instrument: US14173023 CN14160045  
Data file: C:\Chem32\11\Data\30Jul20\22.D

Vial: 22  
LIMS ID: [REDACTED]  
Sequence: 30Jul20  
Injection date: 7/30/2020 4:34:06 PM  
Analyst: Abbott

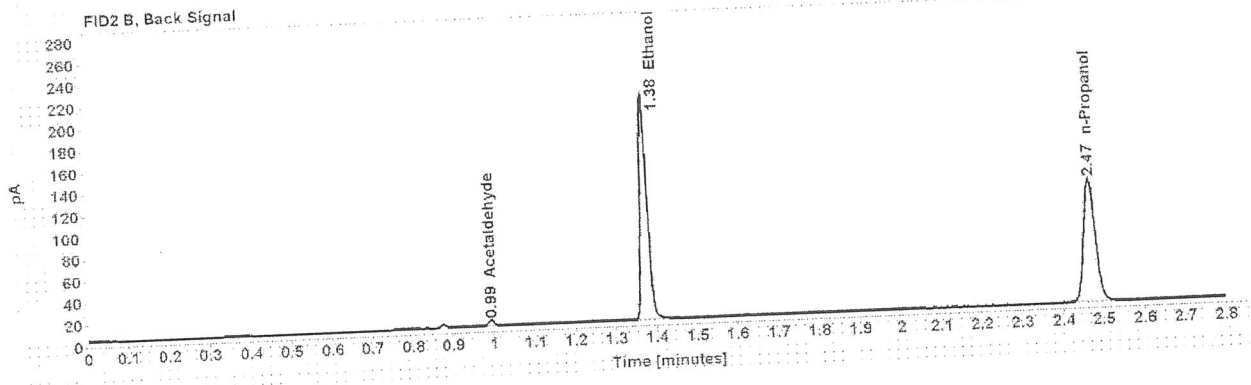
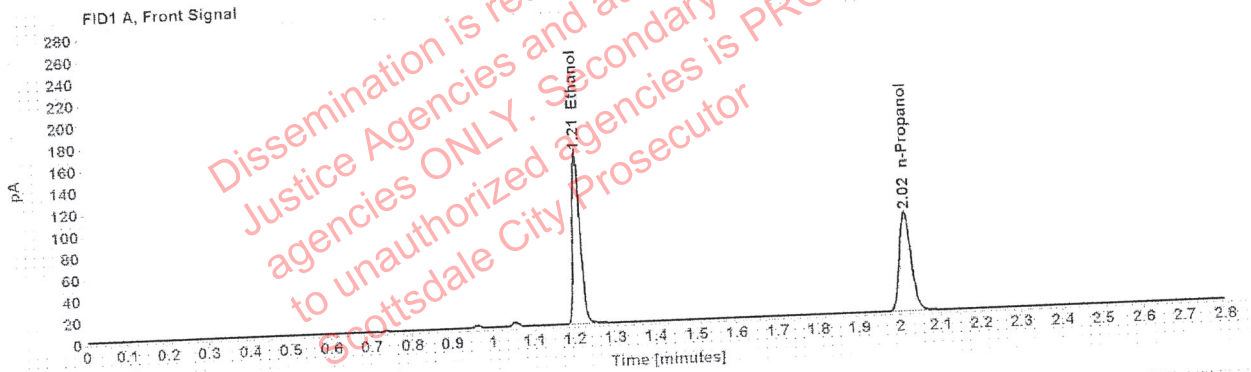


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3036	1.210	202.929
n-Propanol	-----	2.016	183.521

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.798
Ethanol	1.375	257.078
n-Propanol	2.468	229.609



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330442	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:38:06 PM
Data file:	C:\Chem32\1\Data\30Jul20\23.D	Analyst:	Abbott

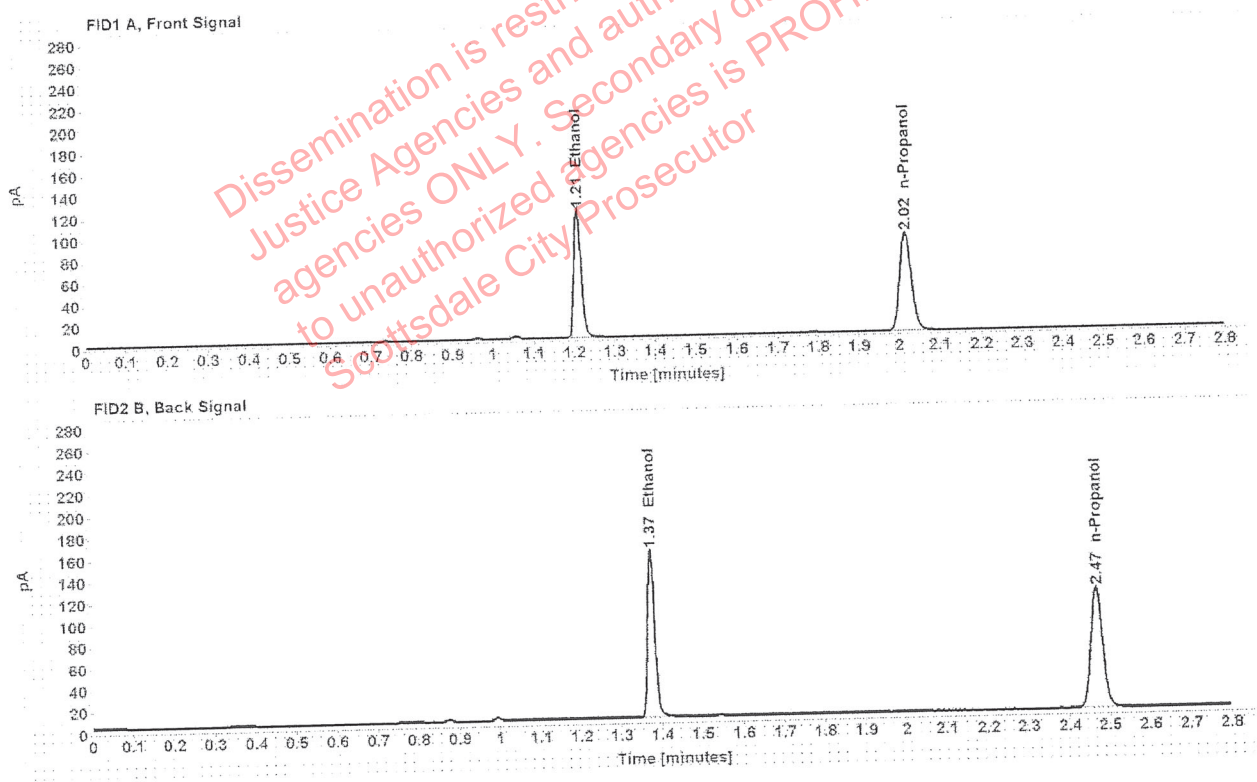


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2295	1.210	151.068
n-Propanol	-----	2.016	180.871

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

Compound	Time (min)	Peak Area
Ethanol	1.375	190.812
n-Propanol	2.468	225.456

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330442	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:42:06 PM
Data file:	C:\Chem32\1\Data\30Jul20\24.D	Analyst:	Abbott

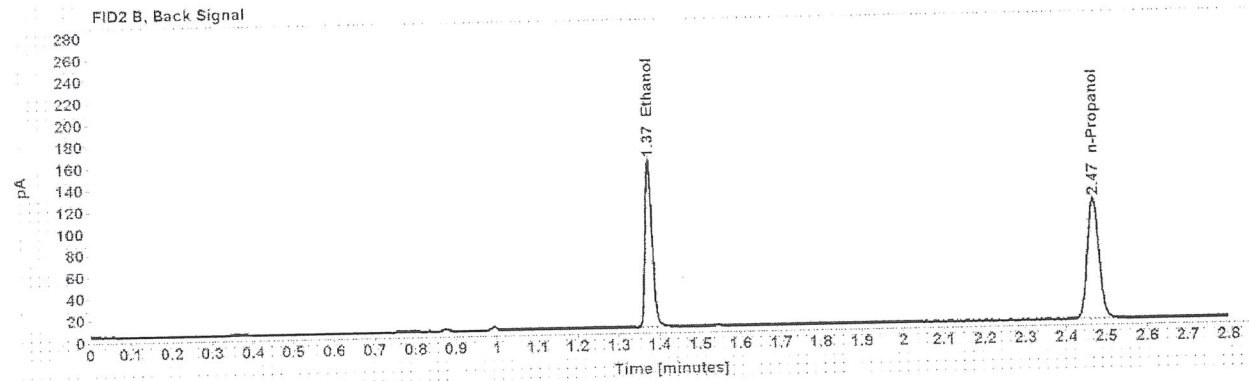
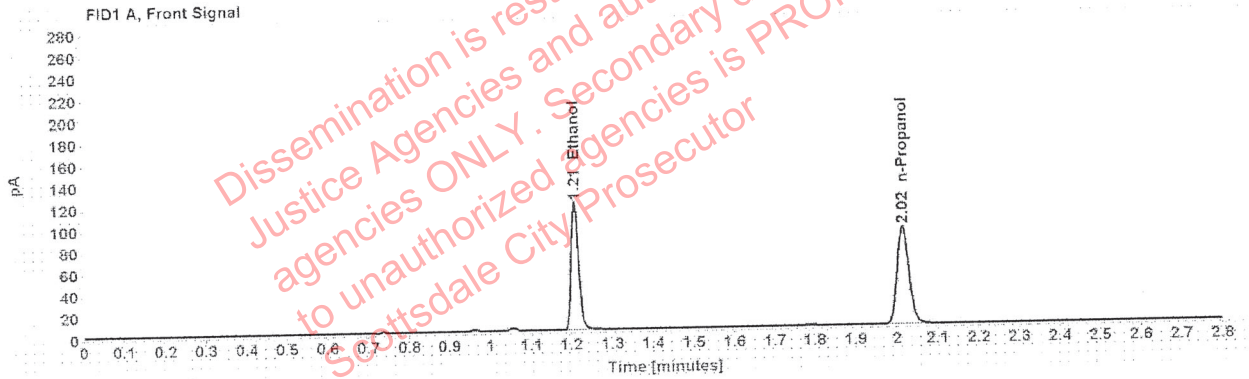


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2299	1.210	150.979
n-Propanol	-----	2.016	180.477

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

Compound	Time (min)	Peak Area
Ethanol	1.375	189.904
n-Propanol	2.468	225.086

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330770	Vial:	25
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:46:21 PM
Data file:	C:\Chem32\1\Data\30Jul20\25.D	Analyst:	Abbott

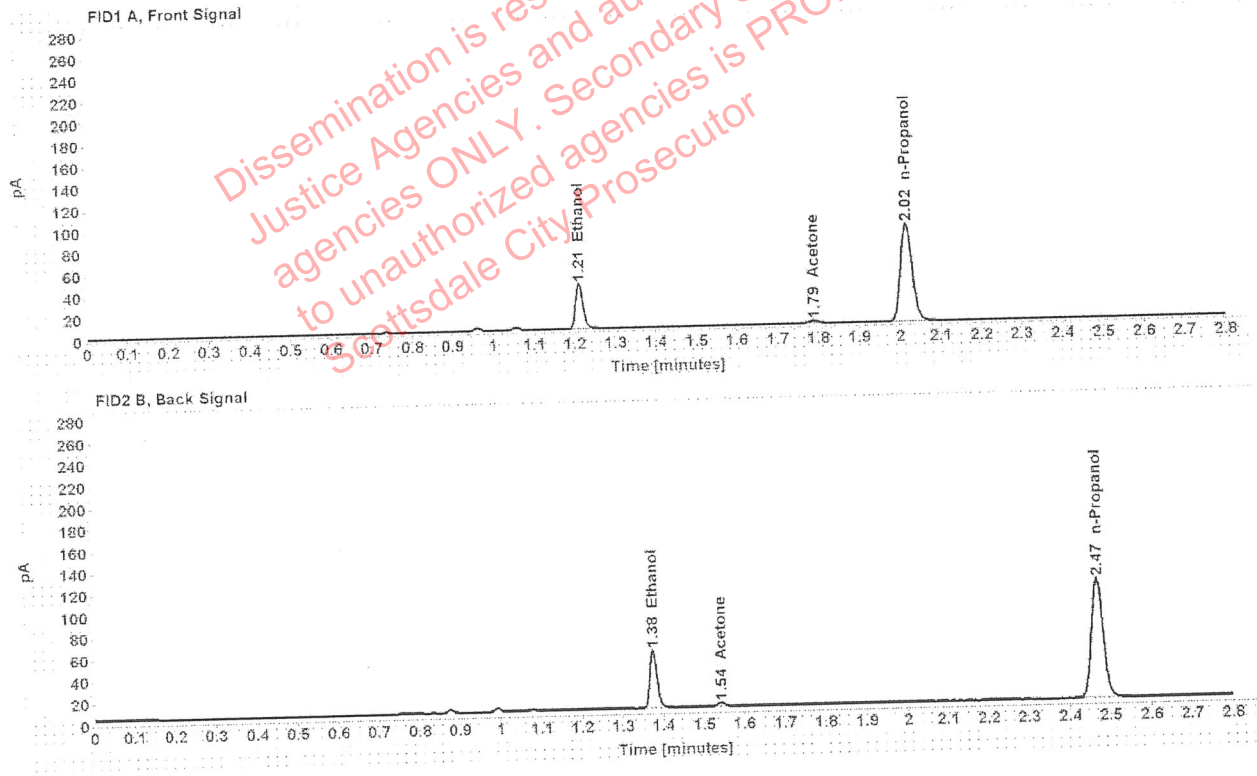


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0816	1.211	52.985
Acetone	-----	1.787	3.785
n-Propanol	-----	2.016	179.747

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

Compound	Time (min)	Peak Area
Ethanol	1.375	66.377
Acetone	1.543	4.637
n-Propanol	2.468	223.779

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330770	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:50:21 PM
Data file:	C:\Chem32\1\Data\30Jul20\26.D	Analyst:	Abbott

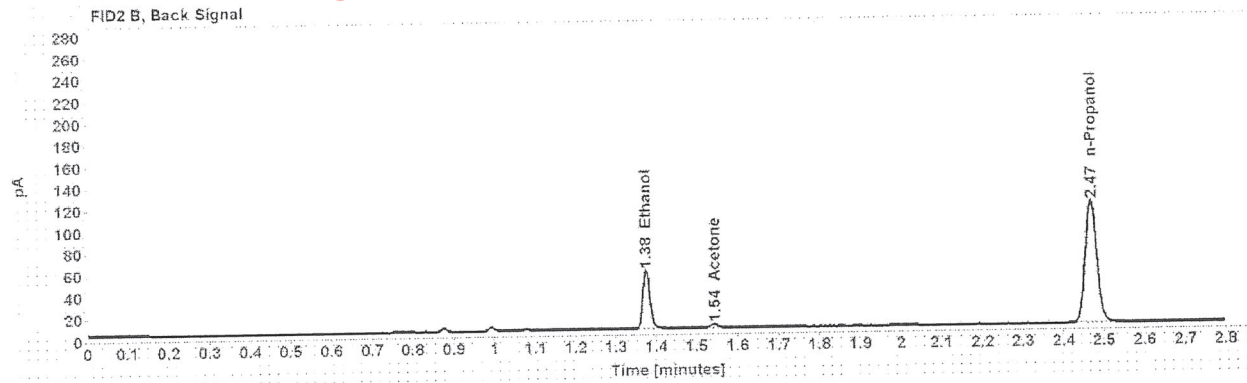
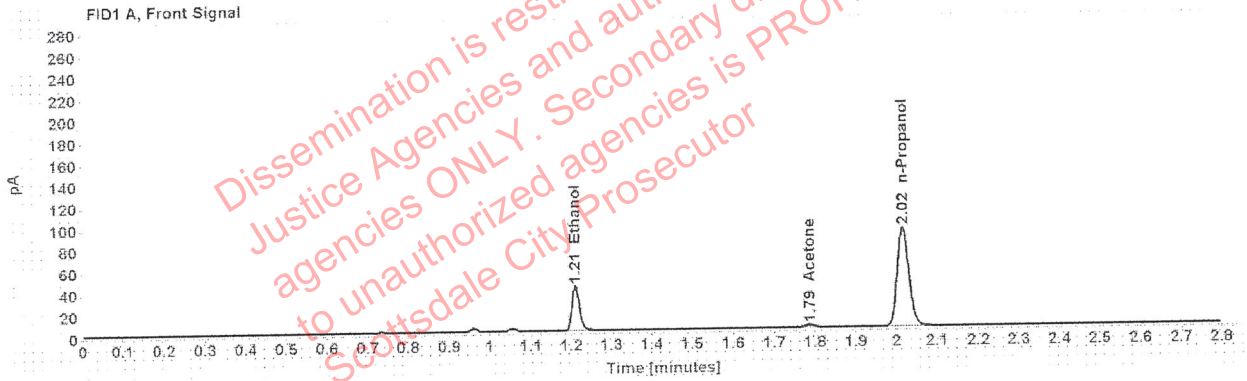


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0808	1.211	53.249
Acetone	-----	1.787	3.779
n-Propanol	-----	2.016	182.447

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

Compound	Time (min)	Peak Area
Ethanol	1.375	66.533
Acetone	1.543	4.580
n-Propanol	2.468	227.342

Abbott, Lori - (31-Jul-2020)  
 Case: User: lbabbott 7/31/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1296792	Vial: 27
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 30Jul20
Instrument: US14173023 CN14160045	Injection date: 7/30/2020 4:54:21 PM
Data file: C:\Chem32\1\Data\30Jul20\27.D	Analyst: Abbott

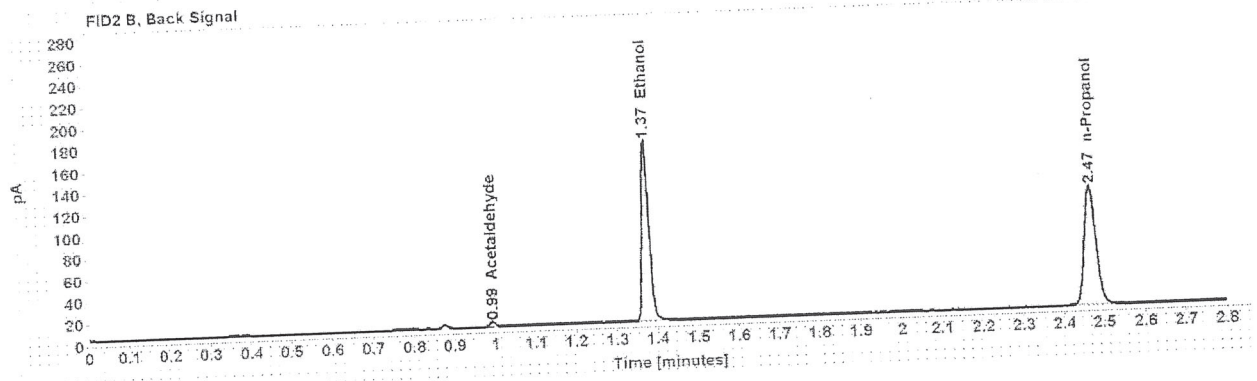
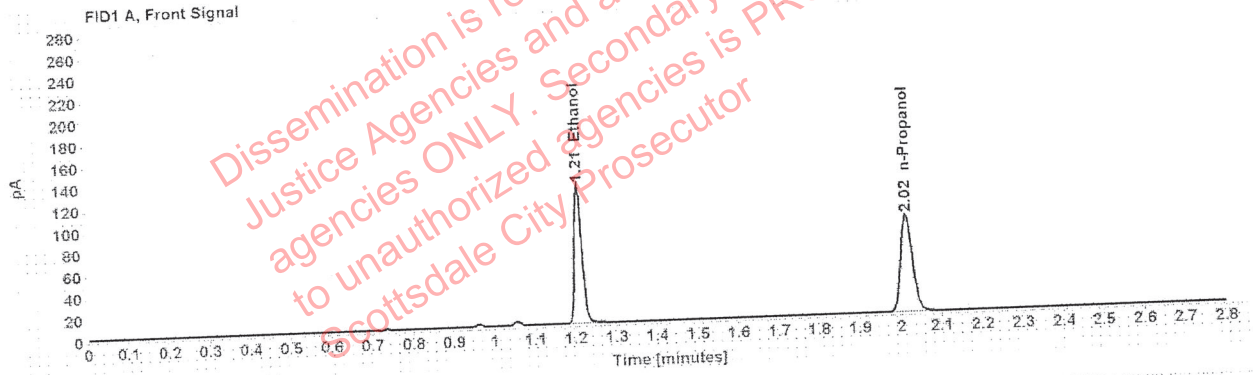


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2513	1.210	163.528
n-Propanol	-----	2.016	178.744

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.633
Ethanol	1.375	205.403
n-Propanol	2.468	223.453

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296792	Vial:	28
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 4:58:21 PM
Data file:	C:\Chem32\1\Data\30Jul20\28.D	Analyst:	Abbott

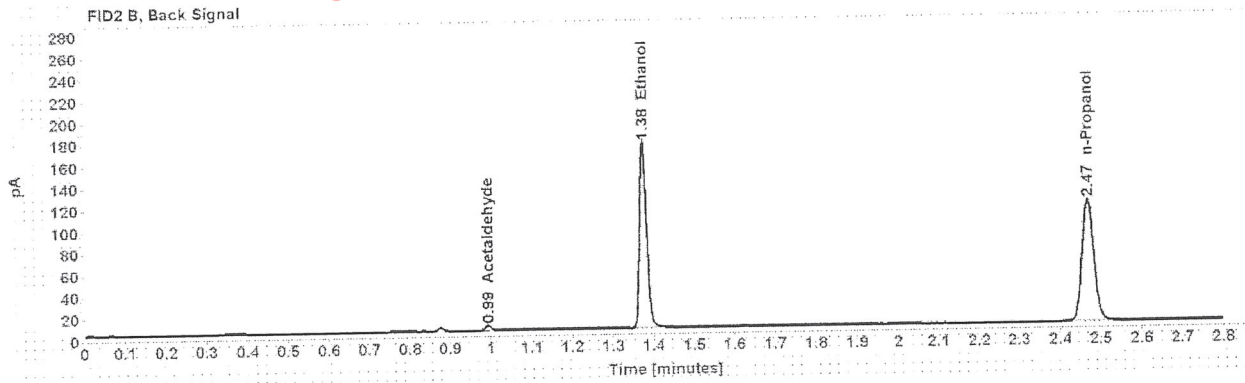
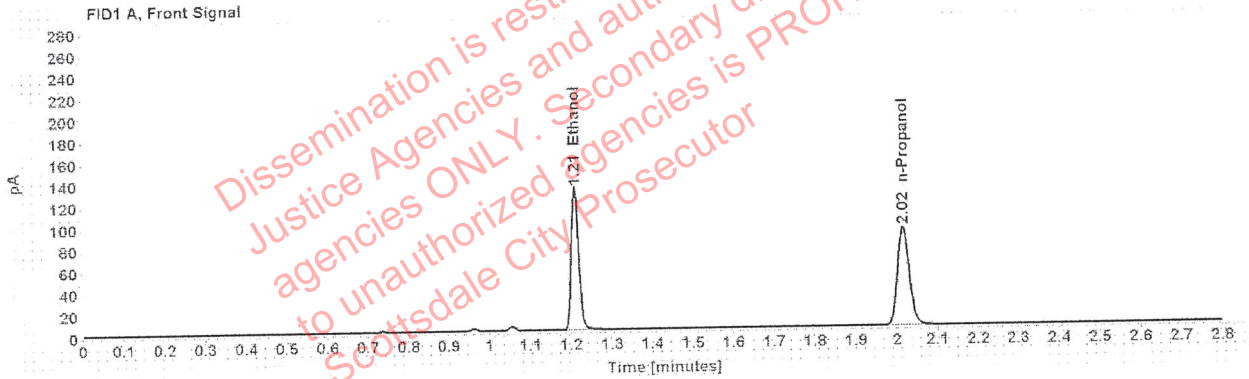


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2531	1.210	167.398
n-Propanol	-----	2.017	181.656

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.621
Ethanol	1.375	210.317
n-Propanol	2.469	227.296

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1304117	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 5:02:21 PM
Data file:	C:\Chem32\1\Data\30Jul20\29.D	Analyst:	Abbott

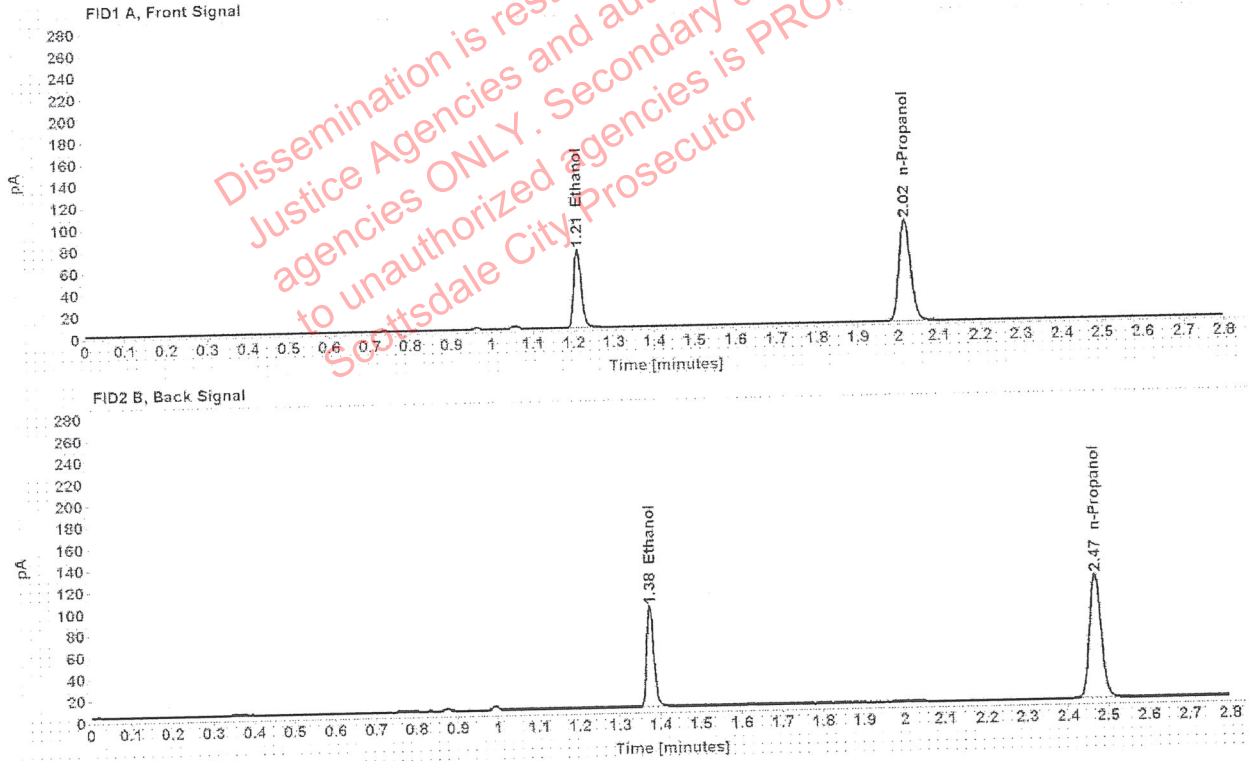


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1367	1.211	91.874
n-Propanol	-----	2.017	185.239

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

Compound	Time (min)	Peak Area
Ethanol	1.376	115.080
n-Propanol	2.469	231.484

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1304117	Vial:	30
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 5:06:21 PM
Data file:	C:\Chem32\11Data\30Jul20\30.D	Analyst:	Abbott

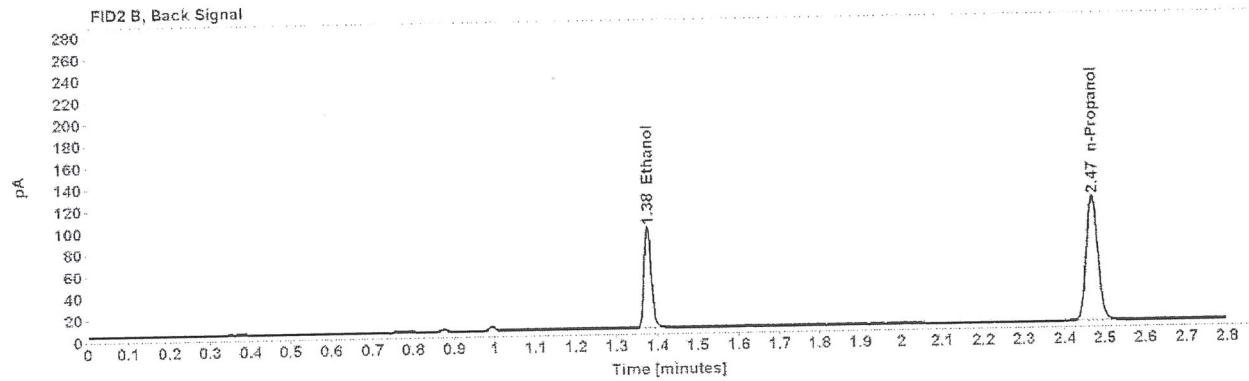
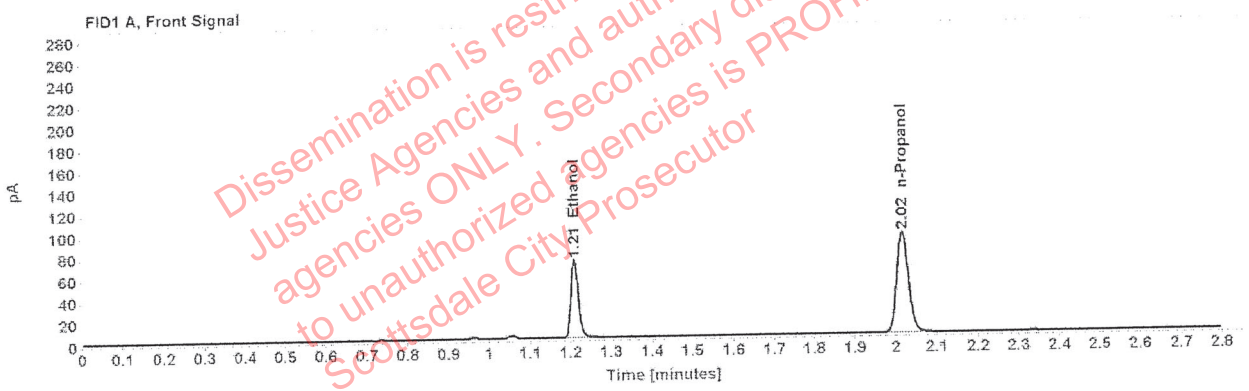


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1369	1.211	92.248
n-Propanol	-----	2.017	185.686

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

Compound	Time (min)	Peak Area
Ethanol	1.376	115.520
n-Propanol	2.469	232.047



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330879	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 5:14:36 PM
Data file:	C:\Chem32\1\Data\30Jul20\32.D	Analyst:	Abbott

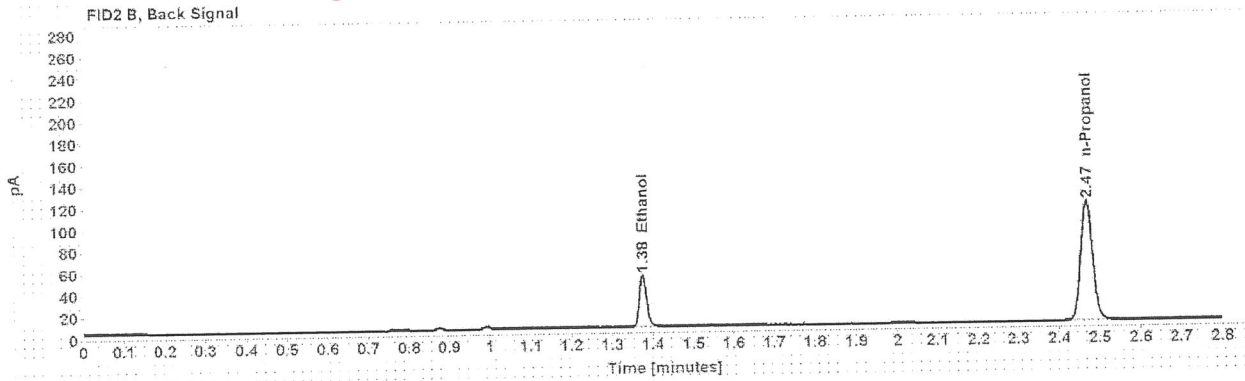
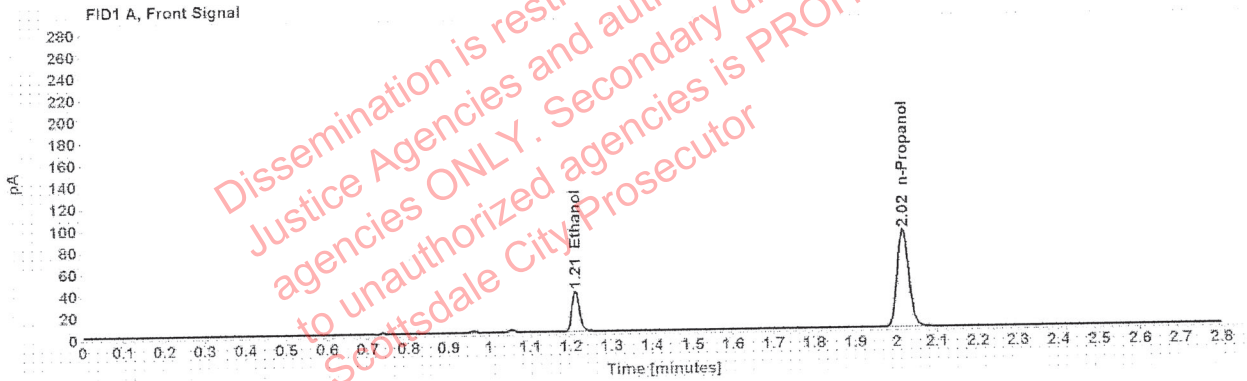


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0738	1.211	47.555
n-Propanol	-----	2.016	178.520

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

Compound	Time (min)	Peak Area
Ethanol	1.375	59.399
n-Propanol	2.468	222.403

[REDACTED]: Abbott, Lori - (31-Jul-2020)

Case: [REDACTED] User: labbott 7/31/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1330879	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 5:18:36 PM
Data file:	C:\Chem32\1\Data\30Jul20\33.D	Analyst:	Abbott

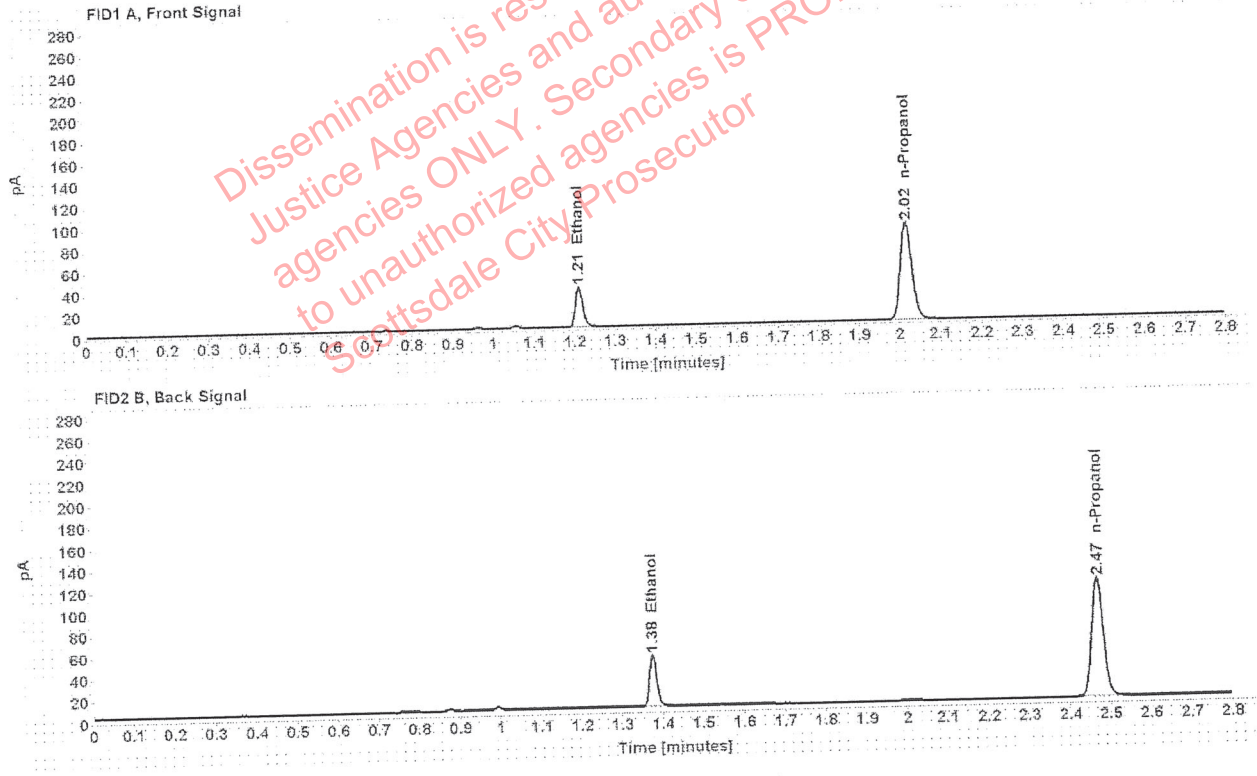


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0732	1.211	47.083
n-Propanol	-----	2.016	178.293

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

Compound	Time (min)	Peak Area
Ethanol	1.375	58.968
n-Propanol	2.468	221.873

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331708	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 5:22:36 PM
Data file:	C:\Chem32\11\Data\30Jul20\34.D	Analyst:	Abbott

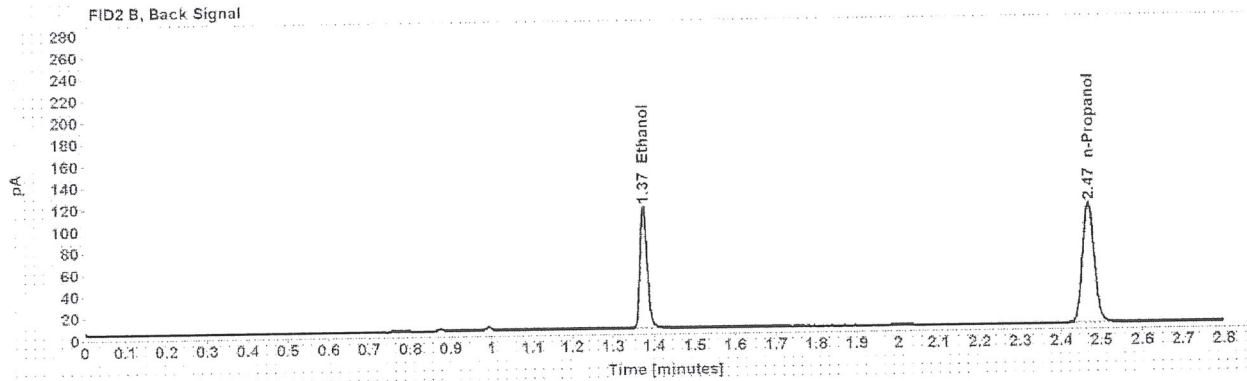
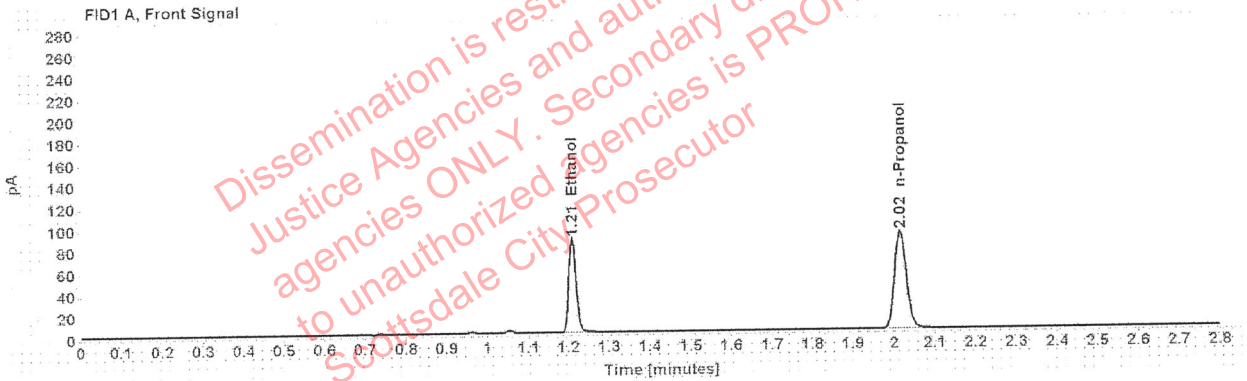


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1693	1.210	110.673
n-Propanol	-----	2.016	179.864

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

Compound	Time (min)	Peak Area
Ethanol	1.375	138.716
n-Propanol	2.468	223.693

Abbott, Lori - (31-Jul-2020)

Case: User: labbott 7/31/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331708	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	30Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/30/2020 5:26:37 PM
Data file:	C:\Chem32\1\Data\30Jul20\35.D	Analyst:	Abbott

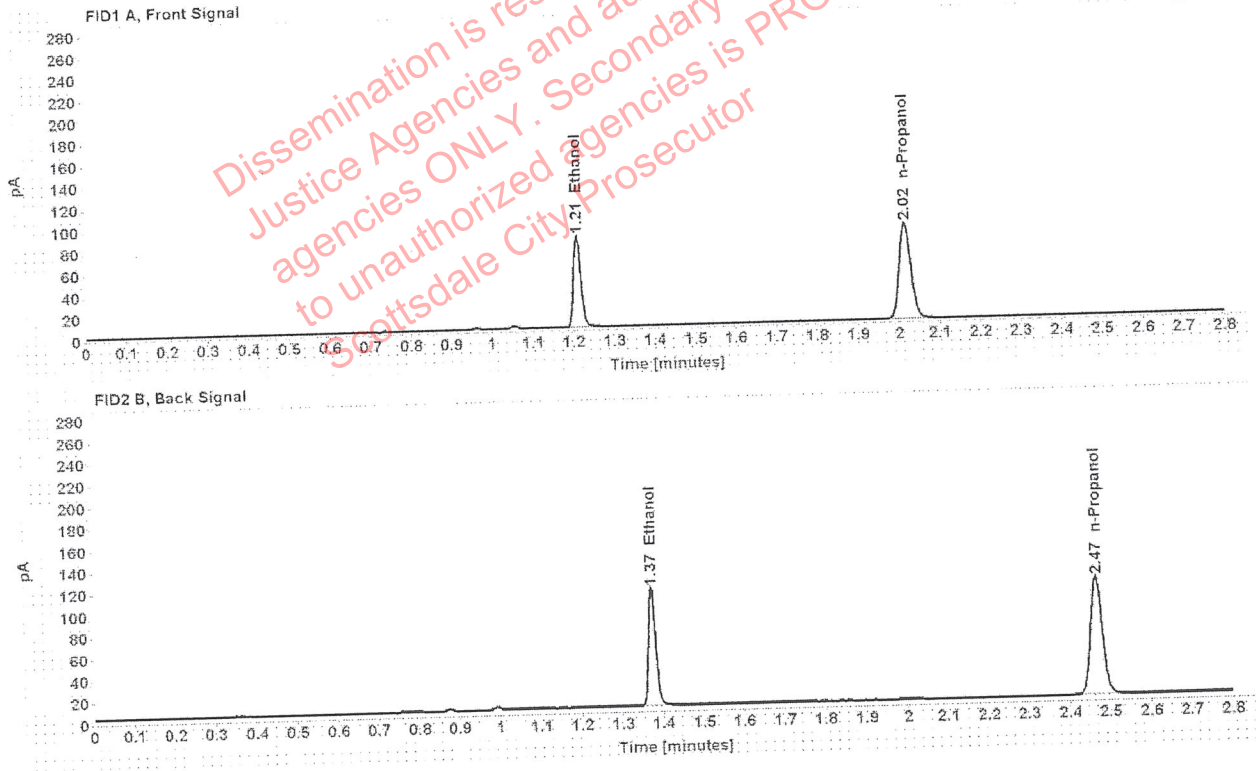


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1674	1.209	107.281
n-Propanol	-----	2.015	176.378

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

Compound	Time (min)	Peak Area
Ethanol	1.373	134.641
n-Propanol	2.467	219.623

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 36
<b>Description:</b> Cerilliant, 0.100	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:30:36 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\36.D	<b>Analyst:</b> Abbott <i>[Signature]</i>

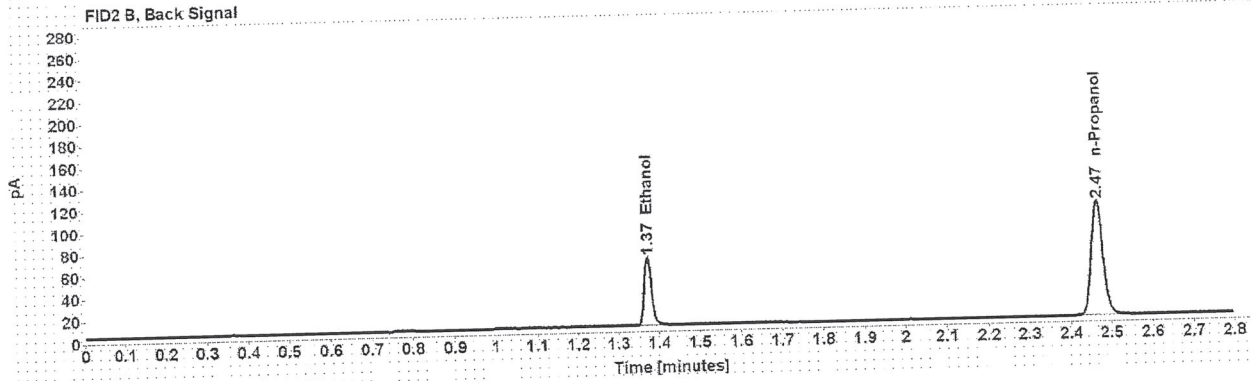
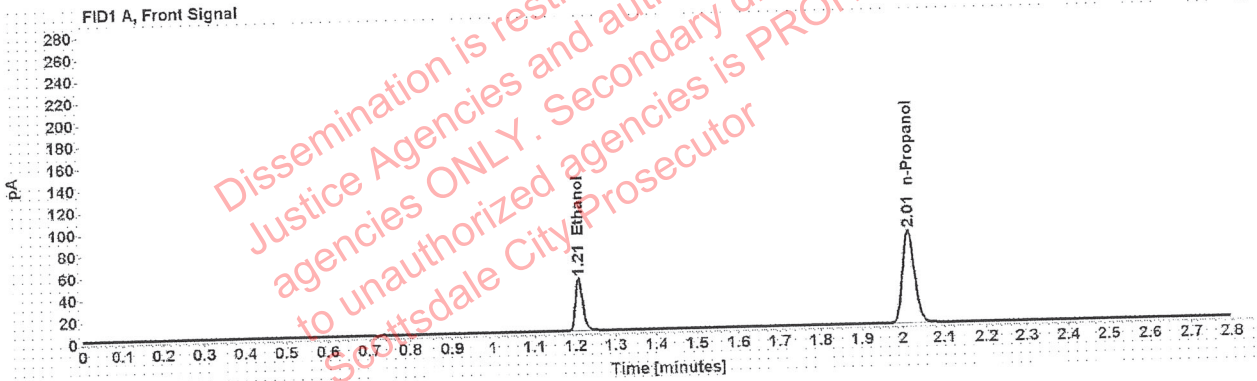


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1002	1.209	61.857
n-Propanol	-----	2.015	170.480

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

Compound	Time (min)	Peak Area
Ethanol	1.373	77.302
n-Propanol	2.466	212.425

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 37
<b>Description:</b> Cerilliant, 0.100	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:34:51 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\37.D	<b>Analyst:</b> Abbott <i>JA</i>

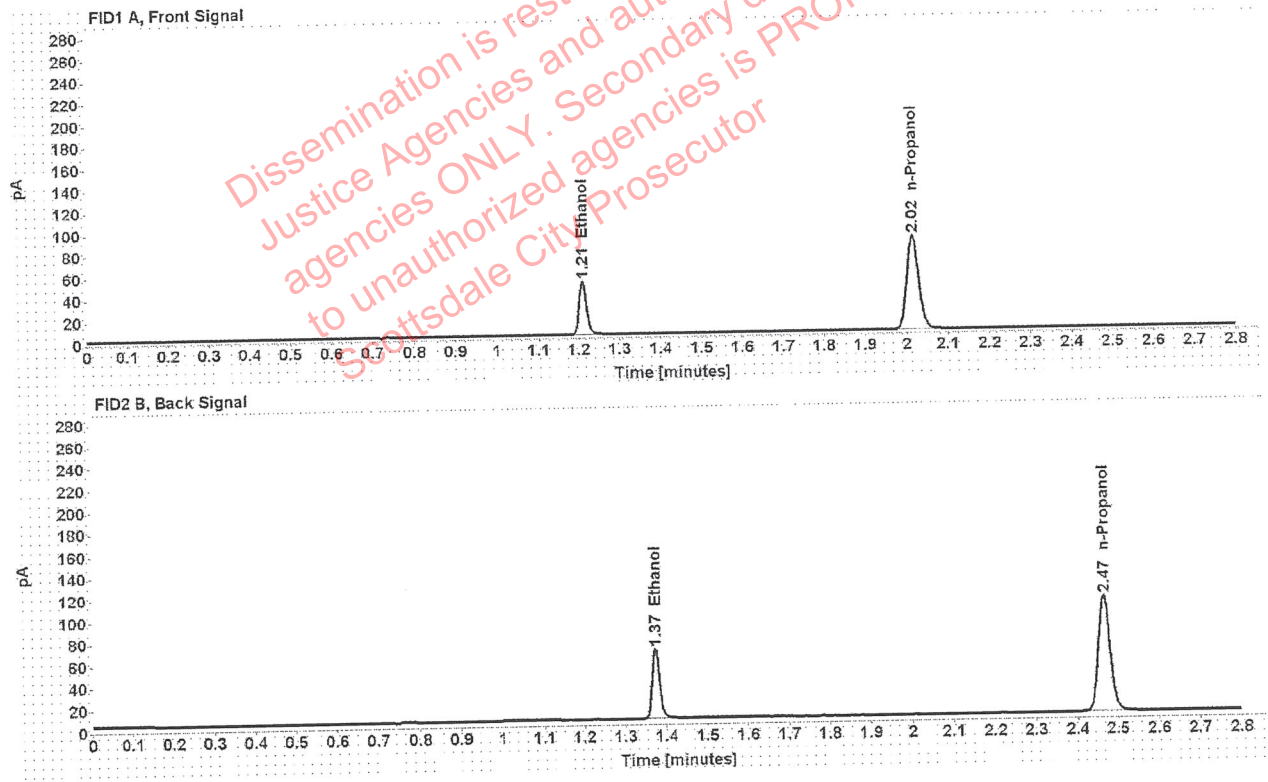


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1012	1.210	63.054
n-Propanol	-----	2.015	172.072

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

Compound	Time (min)	Peak Area
Ethanol	1.374	78.981
n-Propanol	2.467	214.079

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05101903	<b>Vial:</b> 38
<b>Description:</b> Cerilliant, 0.200	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:38:52 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\38.D	<b>Analyst:</b> Abbott <i>du</i>

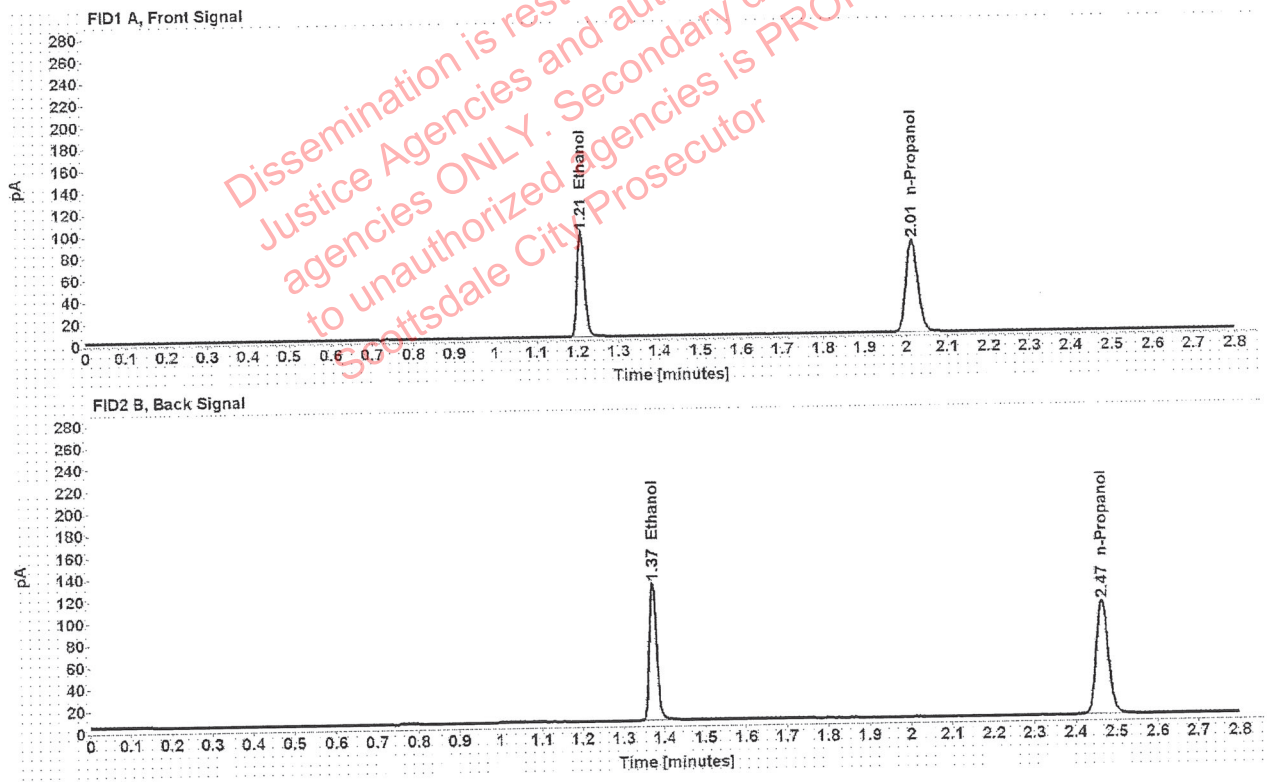


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2003	1.209	123.170
n-Propanol	-----	2.015	169.069

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

Compound	Time (min)	Peak Area
Ethanol	1.372	154.323
n-Propanol	2.466	210.946

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05101903	<b>Vial:</b> 39
<b>Description:</b> Cerilliant, 0.200	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:42:51 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\39.D	<b>Analyst:</b> Abbott <i>MA</i>

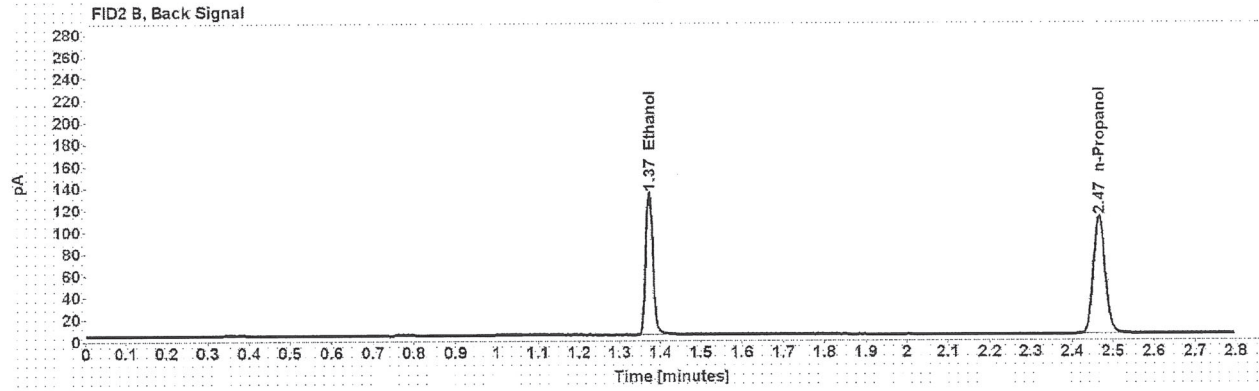
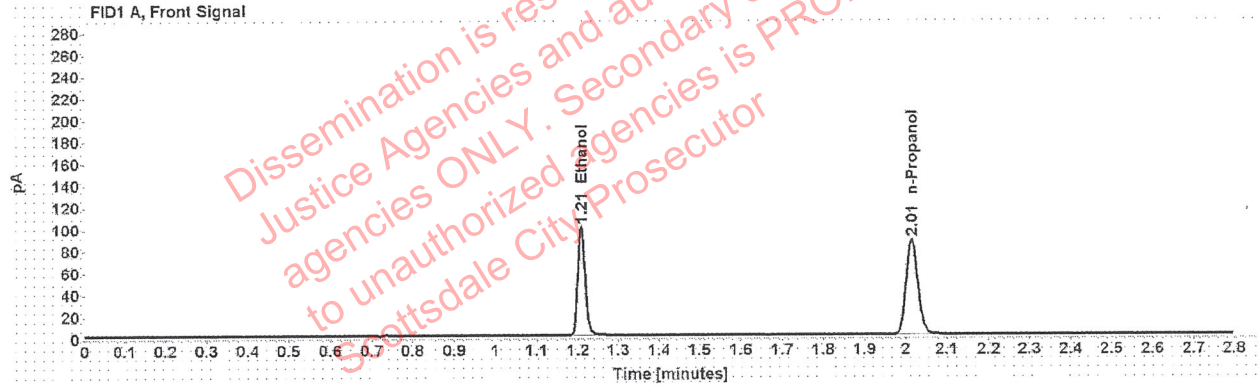


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2007	1.209	127.607
n-Propanol	-----	2.015	174.782

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

Compound	Time (min)	Peak Area
Ethanol	1.373	160.025
n-Propanol	2.466	217.613



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051906	<b>Vial:</b> 40
<b>Description:</b> Cerilliant, 0.400	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:46:51 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\40.D	<b>Analyst:</b> Abbott <i>DA</i>

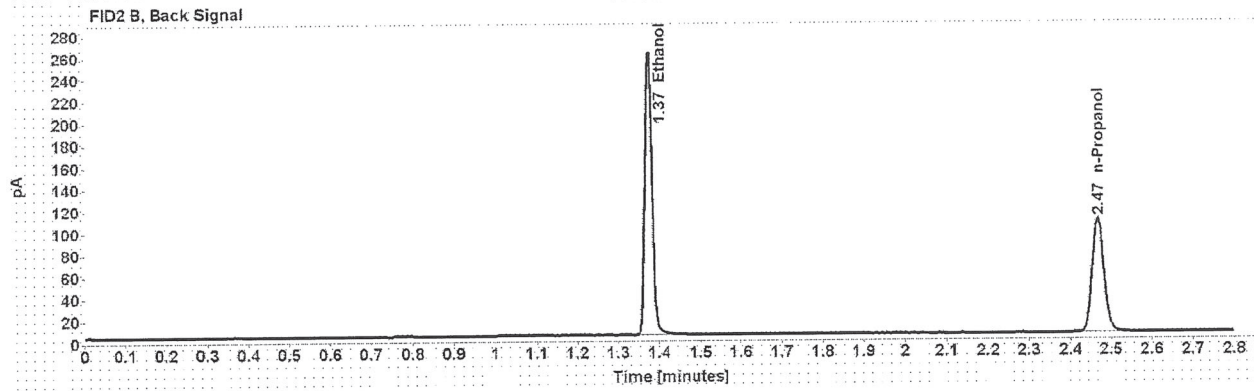
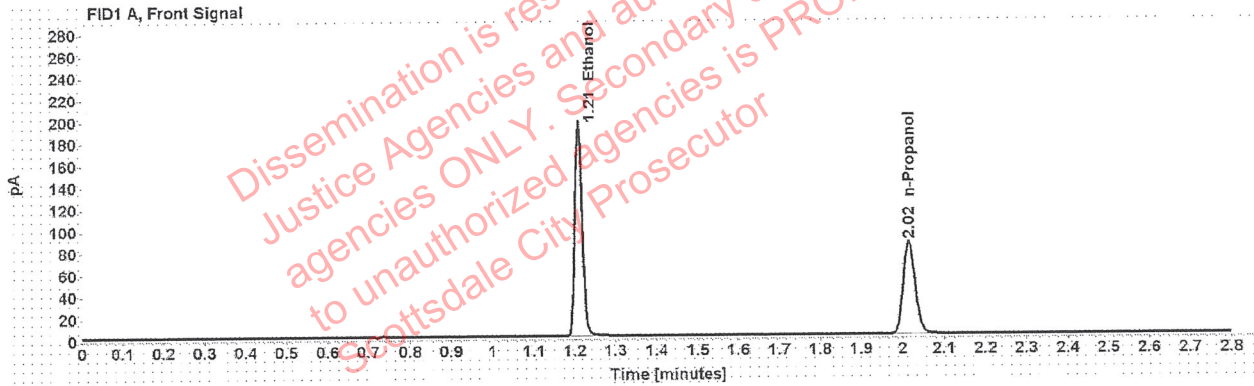


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4074	1.209	251.232
n-Propanol	-----	2.016	169.151

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

Compound	Time (min)	Peak Area
Ethanol	1.374	317.136
n-Propanol	2.468	210.908

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051906	<b>Vial:</b> 41
<b>Description:</b> Cerilliant, 0.400	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 30Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/30/2020 5:50:52 PM
<b>Data file:</b> C:\Chem32\1\Data\30Jul20\41.D	<b>Analyst:</b> Abbott <span style="float: right;"><i>JA</i></span>

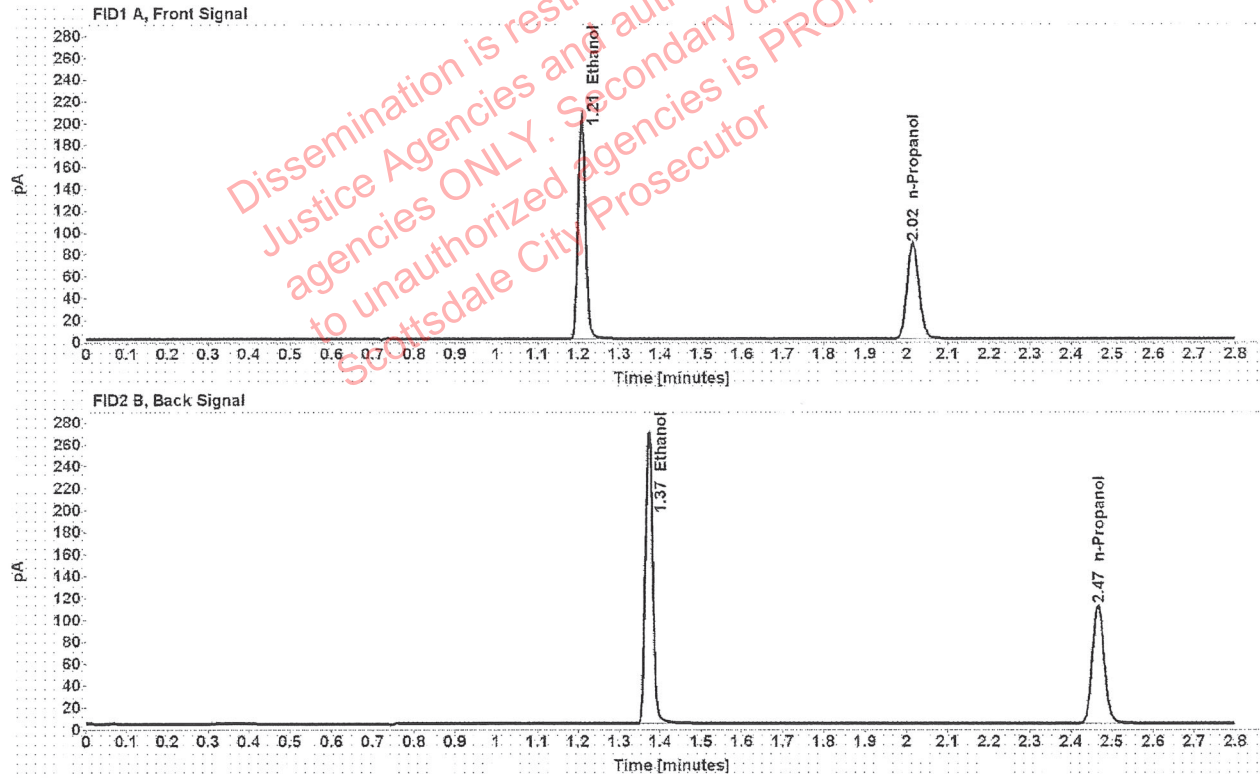


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4054	1.208	259.043
n-Propanol	-----	2.015	175.274

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

Compound	Time (min)	Peak Area
Ethanol	1.373	326.976
n-Propanol	2.466	218.718