

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 02/10/2021 SEQUENCE NAME 10Feb21

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

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

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 112420AQ
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	0.200 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.410 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 111020WB

**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  [Signature] Analyst  
 Run valid  Run invalid  Erika Canonico Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

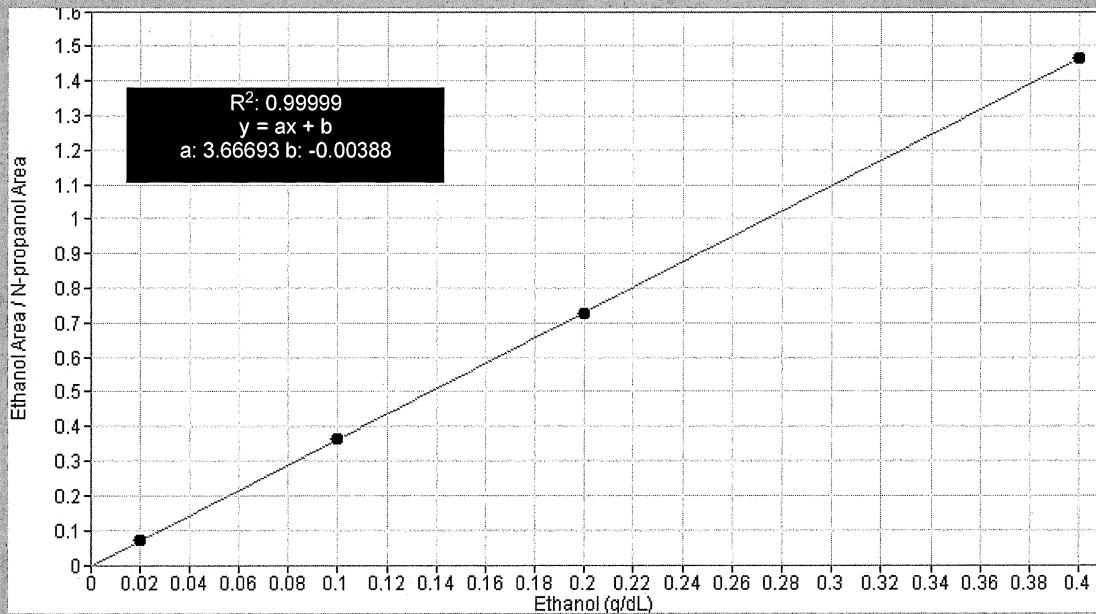
SEQUENCE NAME: 10Feb21

ANALYST: Abbott *AB*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 112420AQ	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	0.200	0.198	1.01	0.002
0.080 03102016-A/1	20	0.081	0.080	1.25	0.001
0.080 03102016-A/1	31	0.081	0.080	1.25	0.001
0.400 11092018-A	42	0.410	0.400	2.50	0.010
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 111020VVB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.902	166.586	0.071
0.100	59.369	163.870	0.362
0.200	119.569	164.582	0.727
0.400	241.523	164.928	1.464

### 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> 10Feb21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 2/10/2021 11:58:09 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>AB</i>
<b>Data file:</b> C:\Chem32\1\Data\10Feb21\1.D	

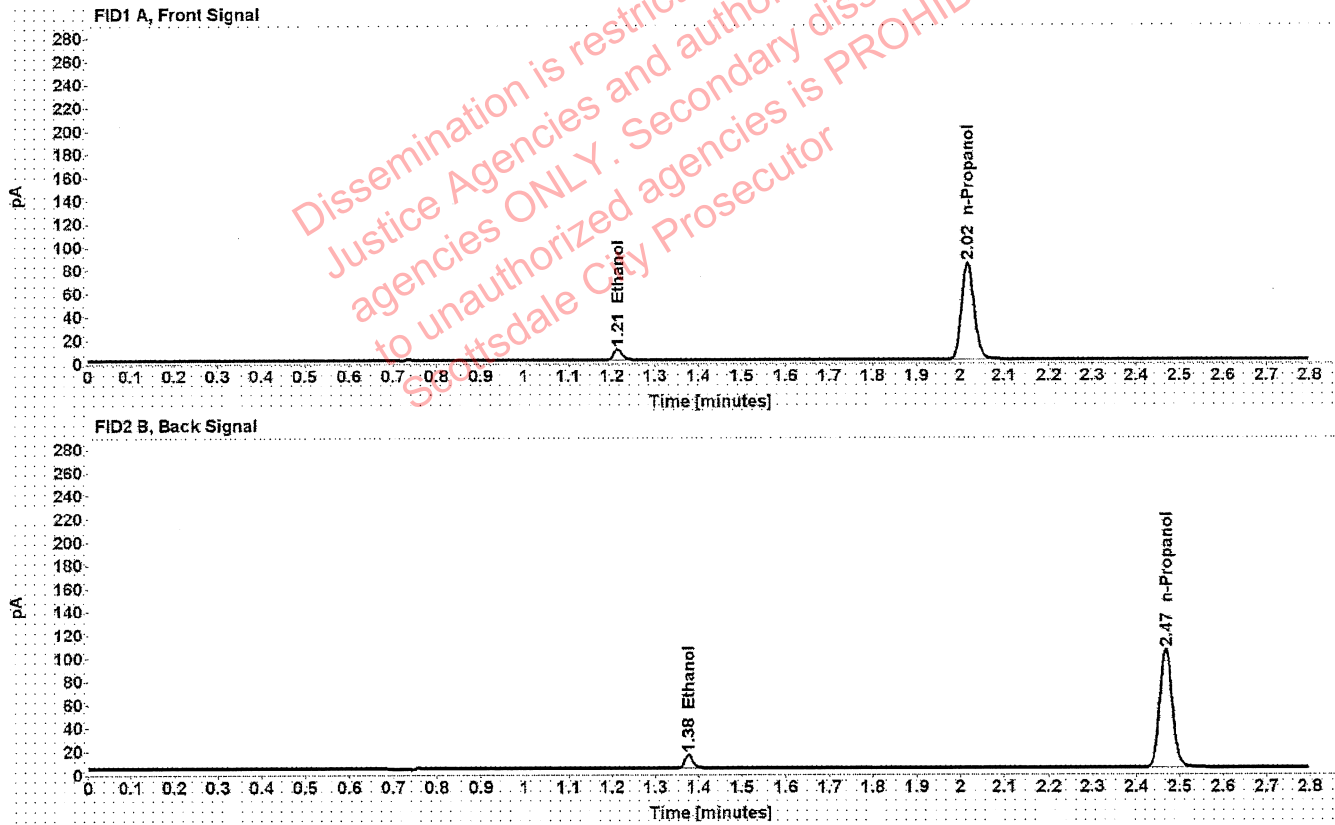


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	11.902
n-Propanol	2.017	166.586

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.858
n-Propanol	2.468	205.859

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 10Feb21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 2/10/2021 12:02:07 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>AS</i>
<b>Data file:</b> C:\Chem32\1\Data\10Feb21\2.D	

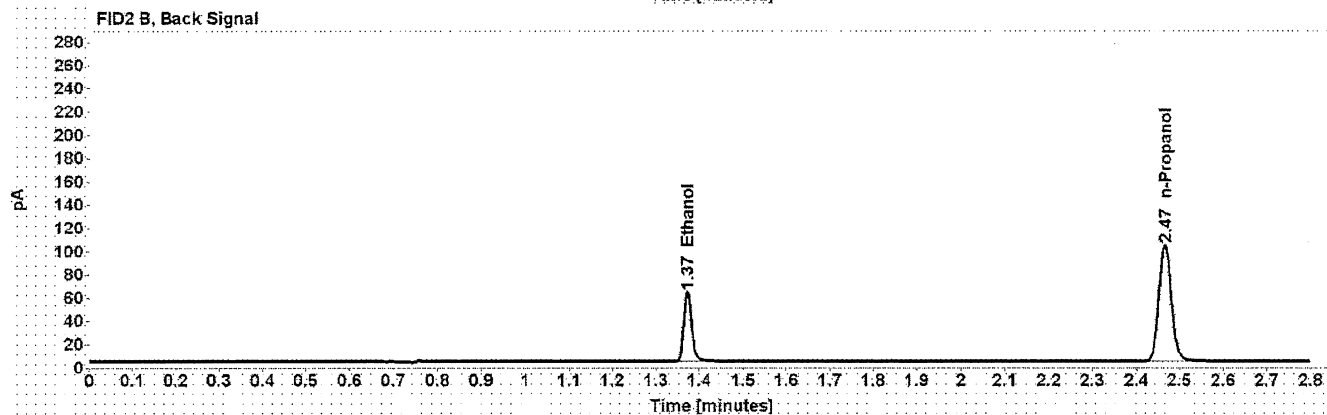
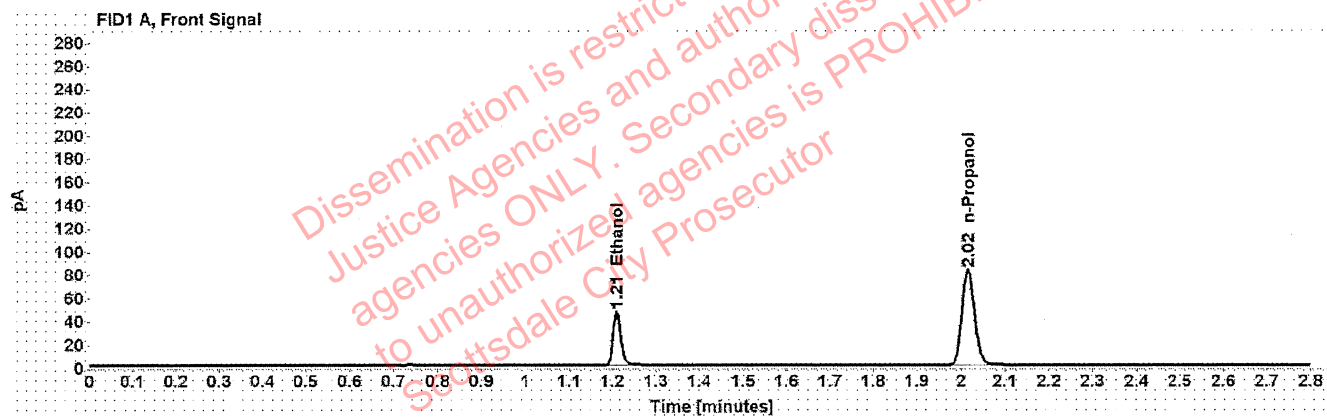


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	59.369
n-Propanol	2.016	163.870

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

Compound	Time (min)	Peak Area
Ethanol	1.373	74.044
n-Propanol	2.466	202.552

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05101903	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 10Feb21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 2/10/2021 12:06:08 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
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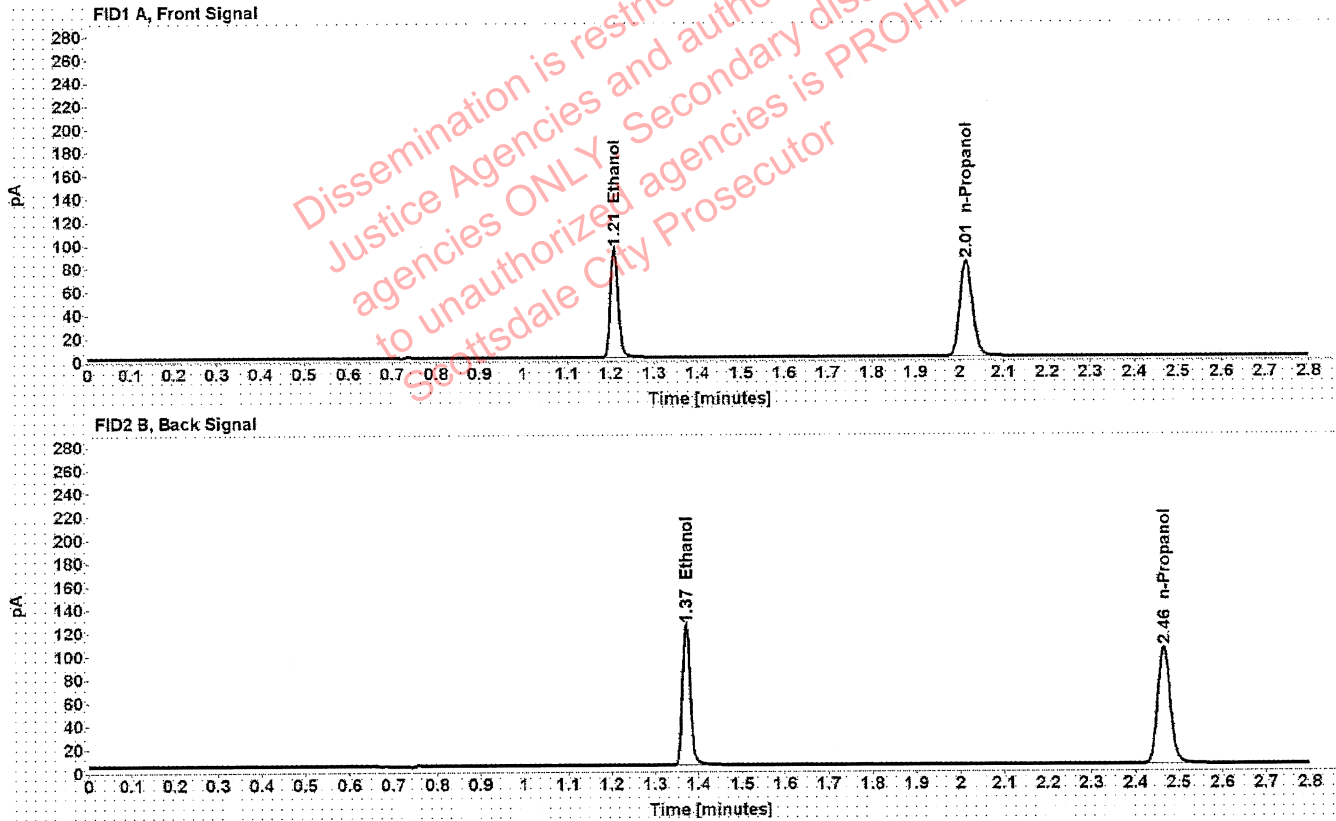


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	119.569
n-Propanol	2.015	164.582

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

Compound	Time (min)	Peak Area
Ethanol	1.371	149.767
n-Propanol	2.465	203.801

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051906	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 10Feb21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 2/10/2021 12:10:09 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>de</i>
<b>Data file:</b> C:\Chem32\1\Data\10Feb21\4.D	

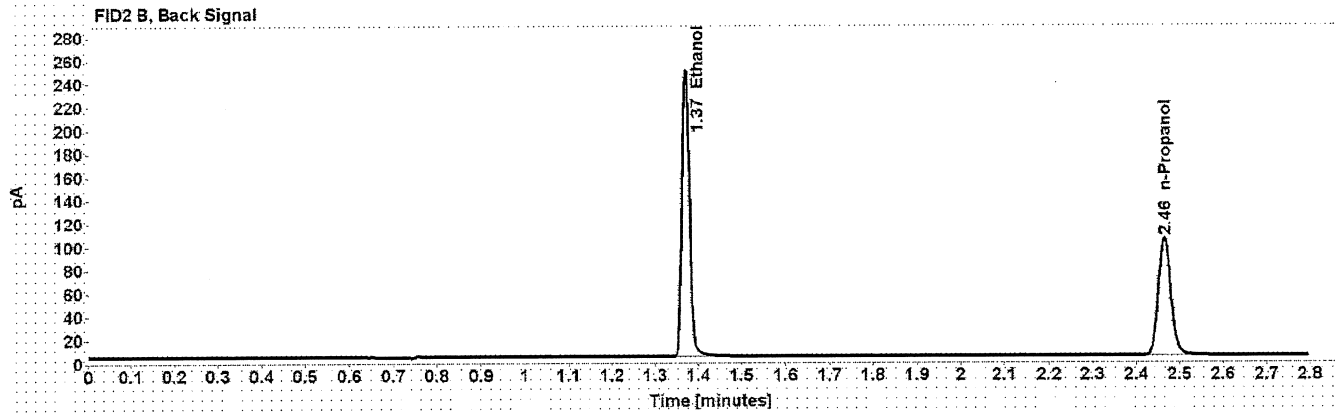
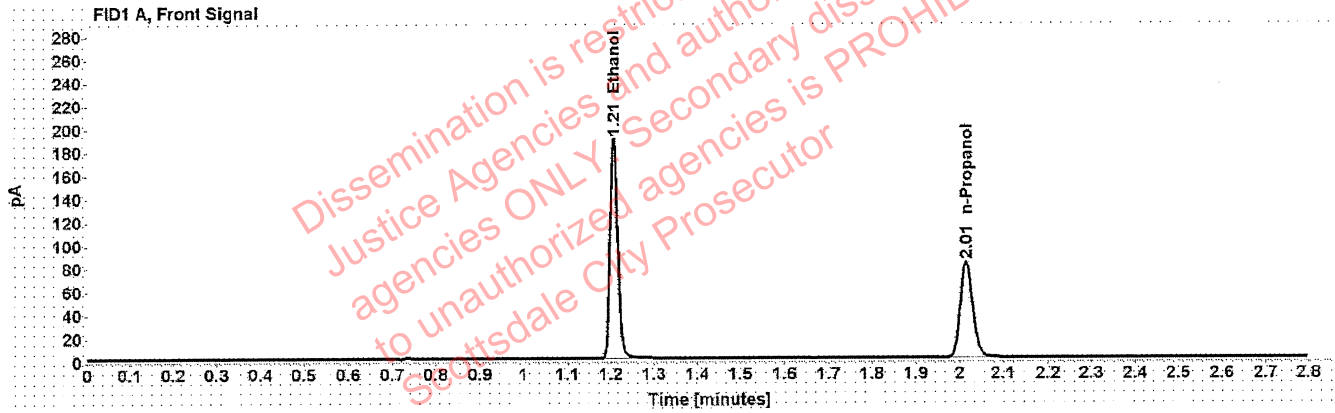


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	241.523
n-Propanol	2.015	164.928

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

Compound	Time (min)	Peak Area
Ethanol	1.371	302.464
n-Propanol	2.465	204.724

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	112420AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:14:08 PM
Data file:	C:\Chem32\1\Data\10Feb21\5.D	Analyst:	Abbott <span style="float: right;">JA</span>

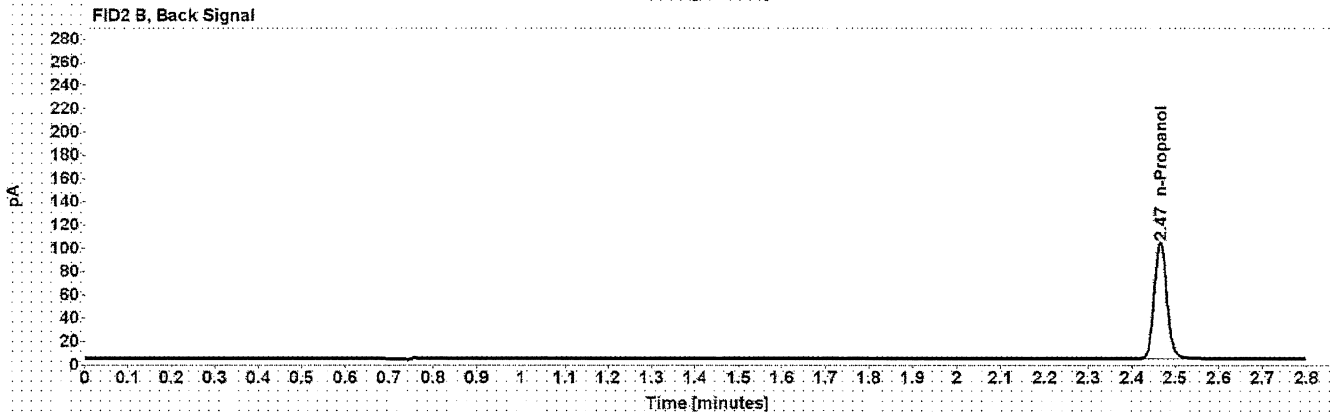
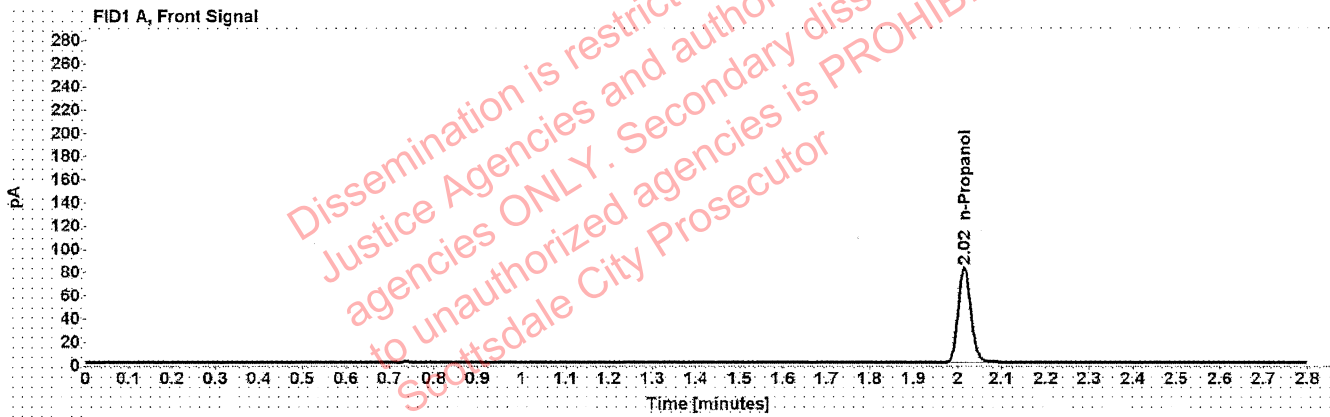


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	164.029

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	202.541

# 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> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 12:18:11 PM
<b>Data file:</b> C:\Chem32\1\Data\10Feb21\6.D	<b>Analyst:</b> Abbott

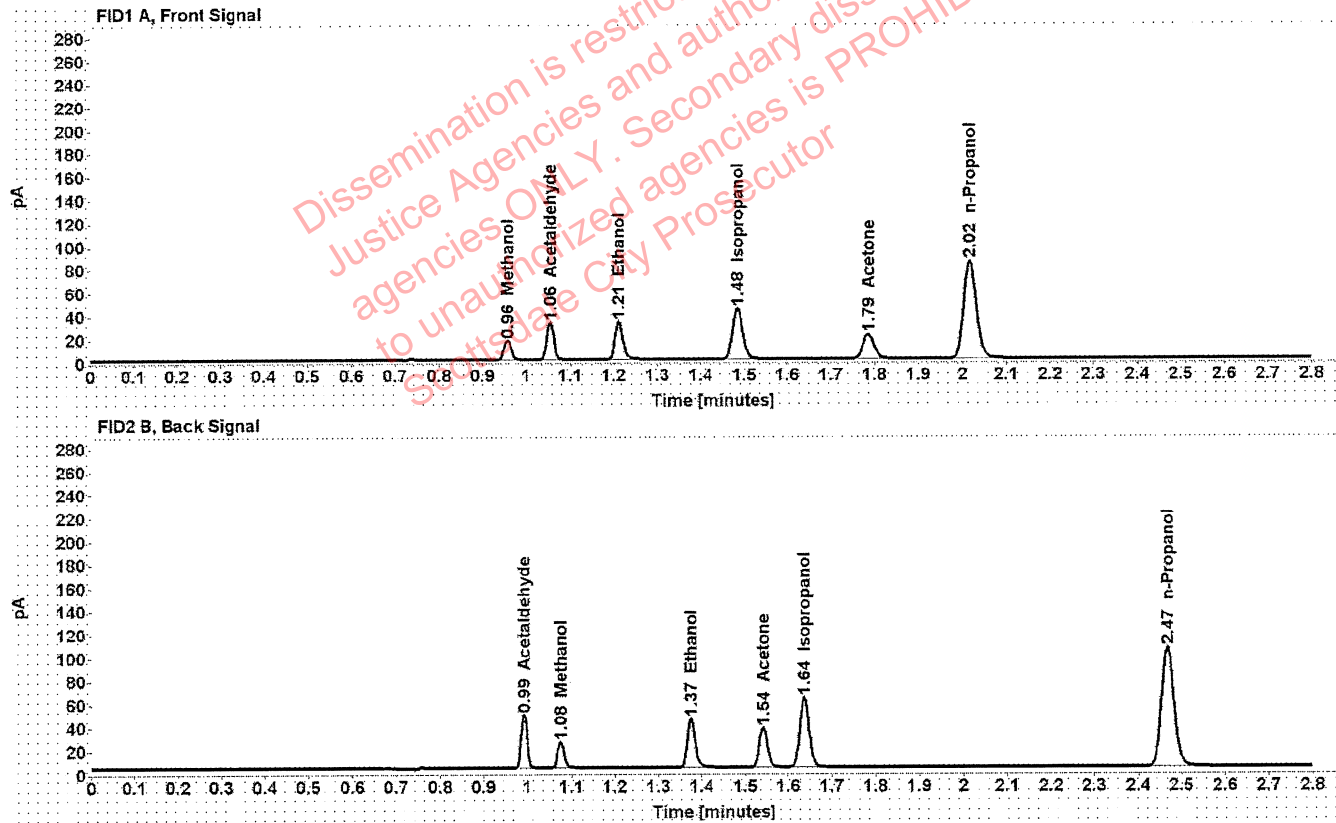


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.654
Acetaldehyde	-----	1.055	34.771
>Ethanol	0.0690	1.211	41.885
Isopropanol	-----	1.484	70.270
Acetone	-----	1.785	36.344
n-Propanol	-----	2.017	168.069

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	45.327
Methanol	1.076	23.973
Ethanol	1.375	52.302
Acetone	1.541	45.107
Isopropanol	1.637	90.118
n-Propanol	2.468	208.042



# 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> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 12:22:23 PM
<b>Data file:</b> C:\Chem32\1\Data\10Feb21\7.D	<b>Analyst:</b> Abbott <i>JA</i>

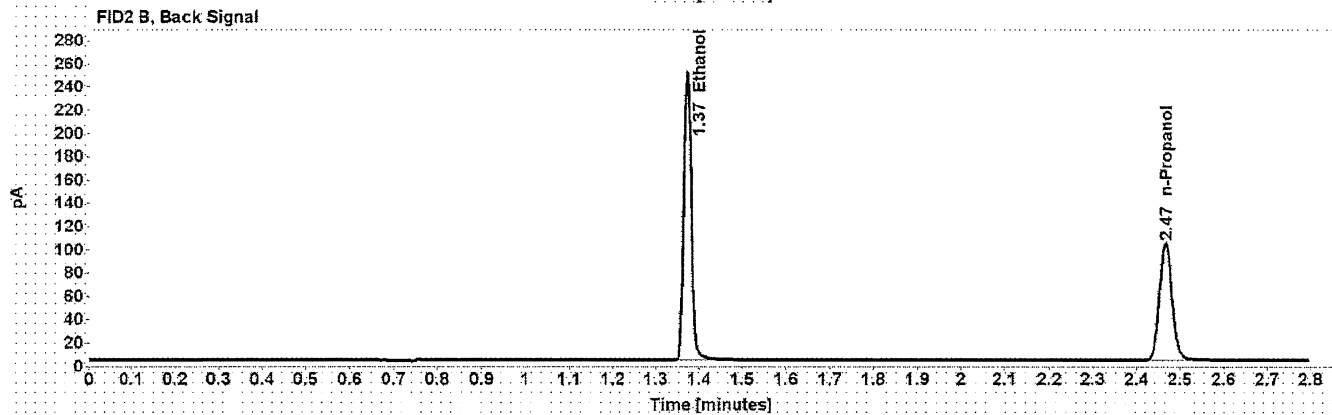
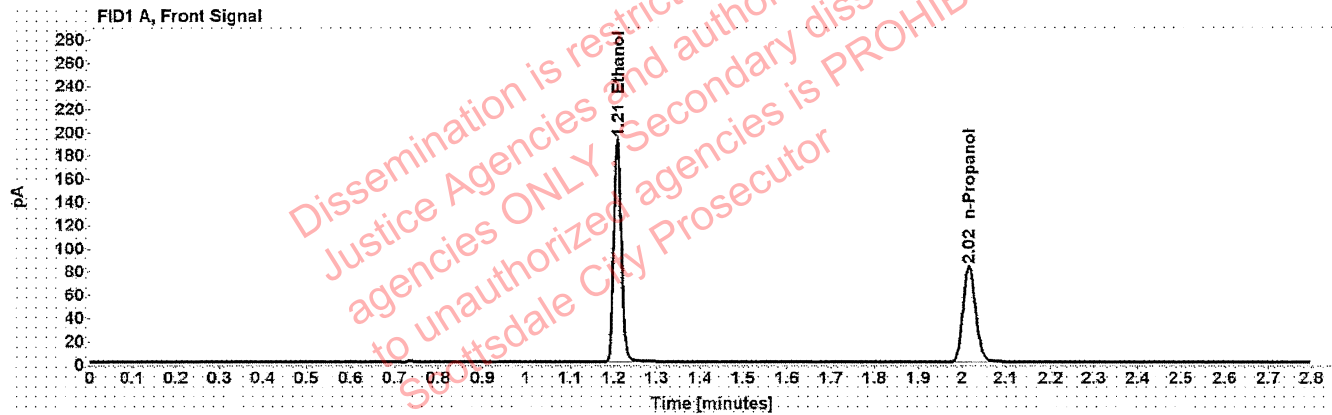


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4028	1.209	243.578
n-Propanol	-----	2.016	165.356

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

Compound	Time (min)	Peak Area
Ethanol	1.372	305.028
n-Propanol	2.466	204.535

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 8
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 12:26:24 PM
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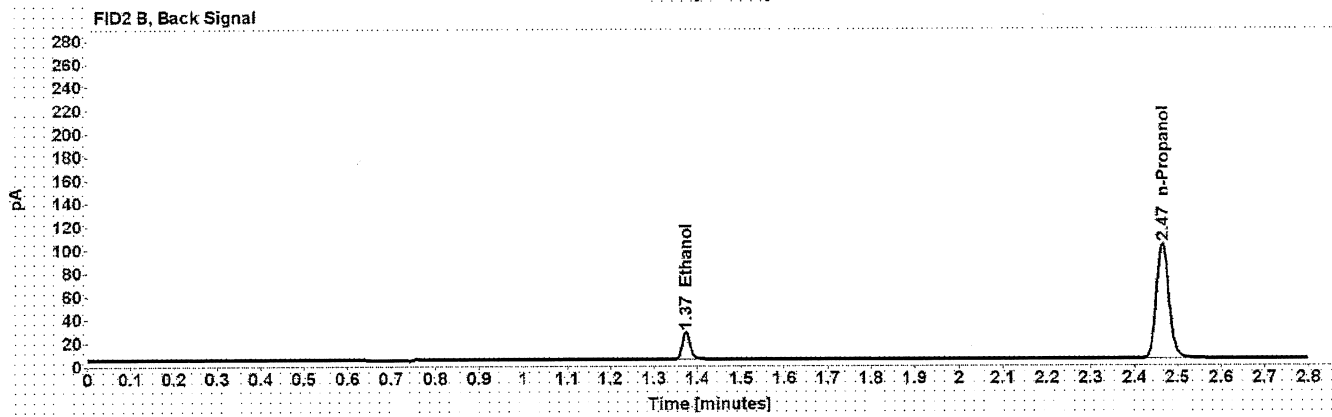
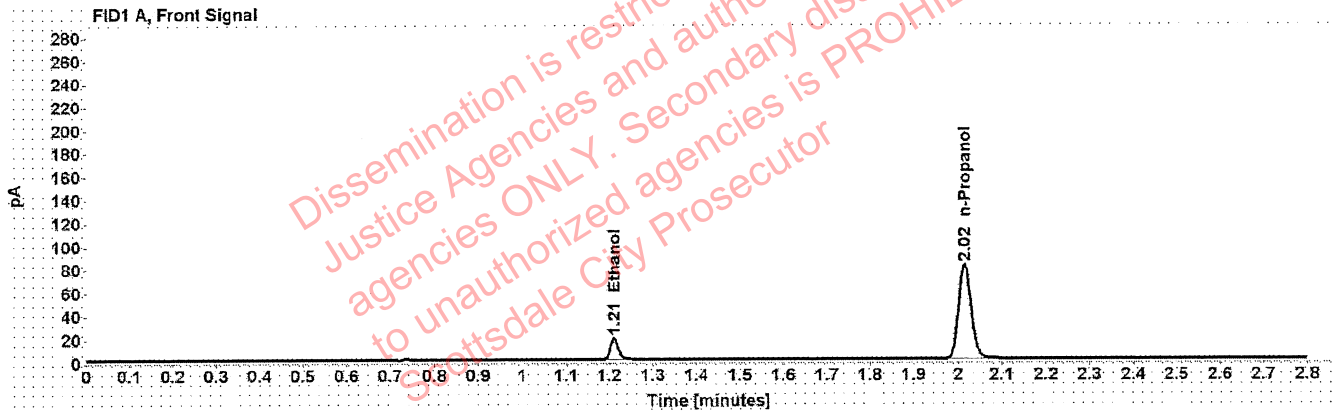


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.211	23.630
n-Propanol	-----	2.015	163.008

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

Compound	Time (min)	Peak Area
Ethanol	1.373	29.476
n-Propanol	2.466	201.220

# 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> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 12:30:23 PM
<b>Data file:</b> C:\Chem32\1\Data\10Feb21\9.D	<b>Analyst:</b> Abbott <span style="float: right;">JA</span>

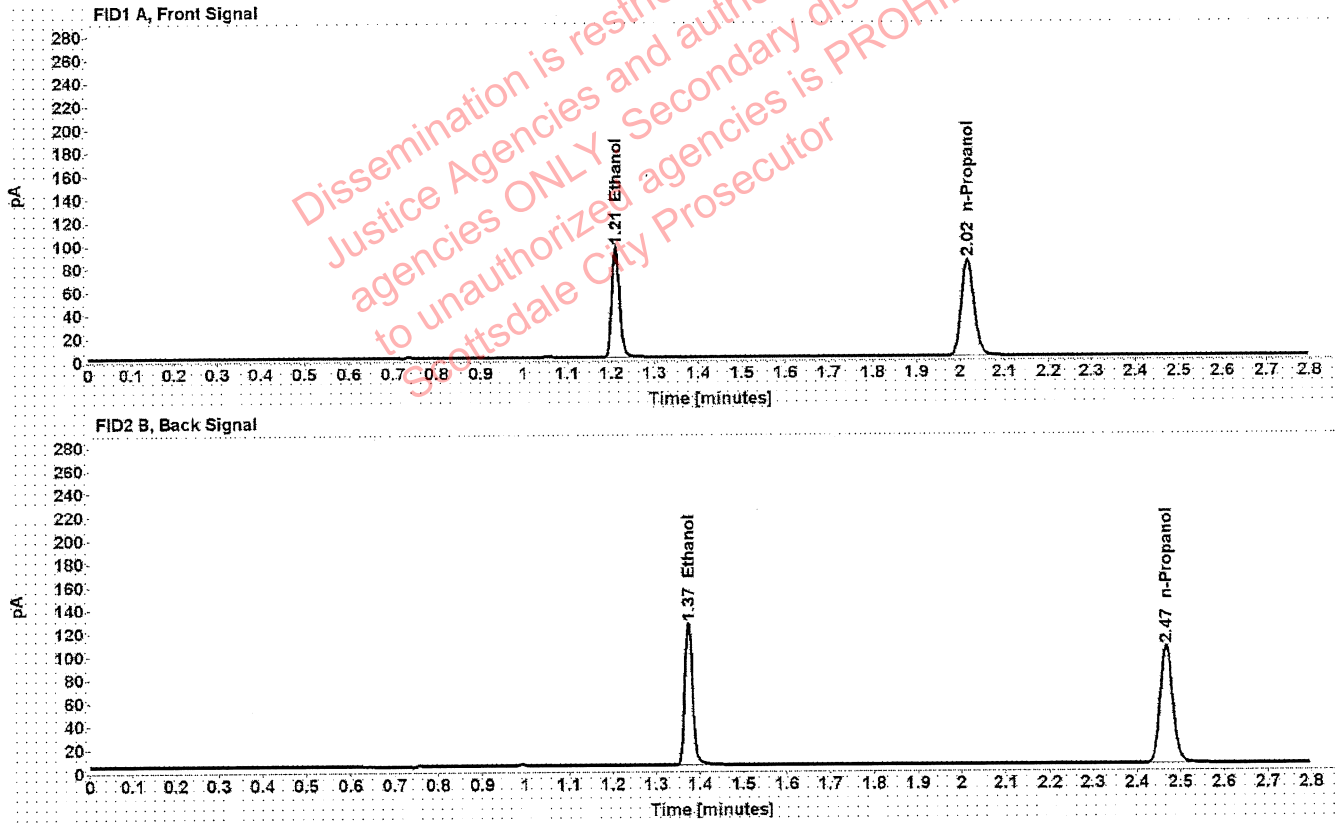


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2000	1.210	121.379
n-Propanol	-----	2.016	166.397

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

Compound	Time (min)	Peak Area
Ethanol	1.374	151.327
n-Propanol	2.468	205.616

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 03102016-A/1	<b>Vial:</b> 20
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 1:14:54 PM
<b>Data file:</b> C:\Chem32\1\Data\10Feb21\20.D	<b>Analyst:</b> Abbott <span style="float: right;">DB</span>

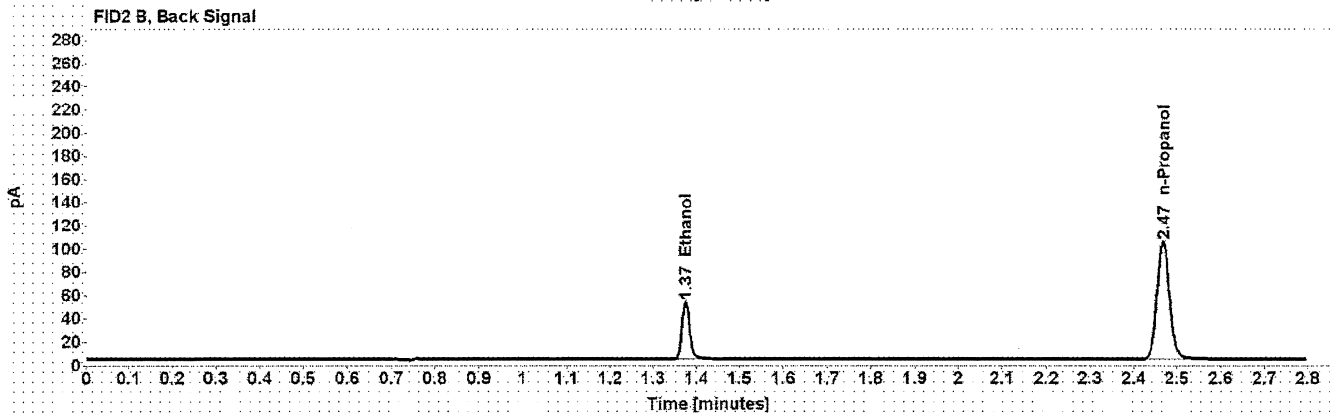
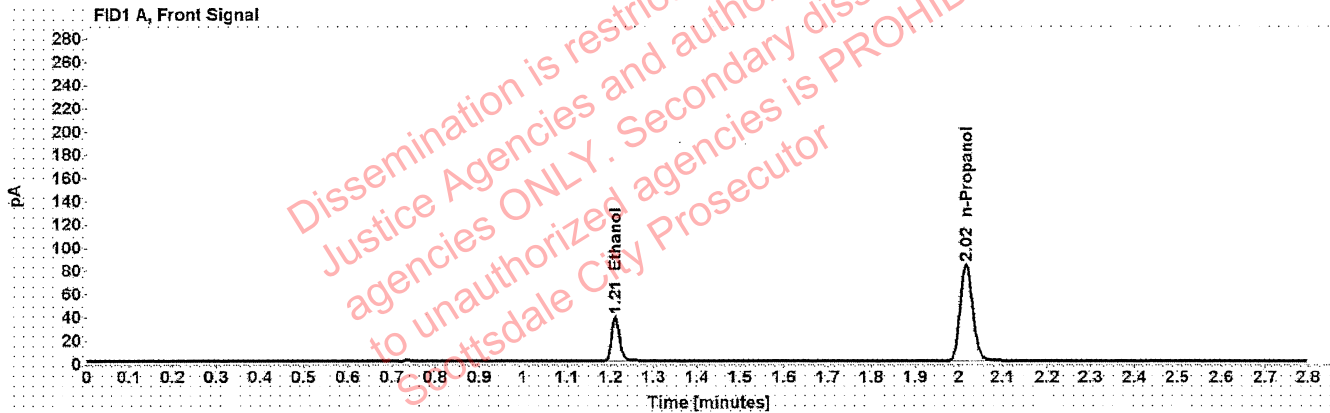


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0811	1.211	49.019
n-Propanol	-----	2.017	166.947

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

Compound	Time (min)	Peak Area
Ethanol	1.375	60.982
n-Propanol	2.468	205.266

# 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> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 1:59:25 PM
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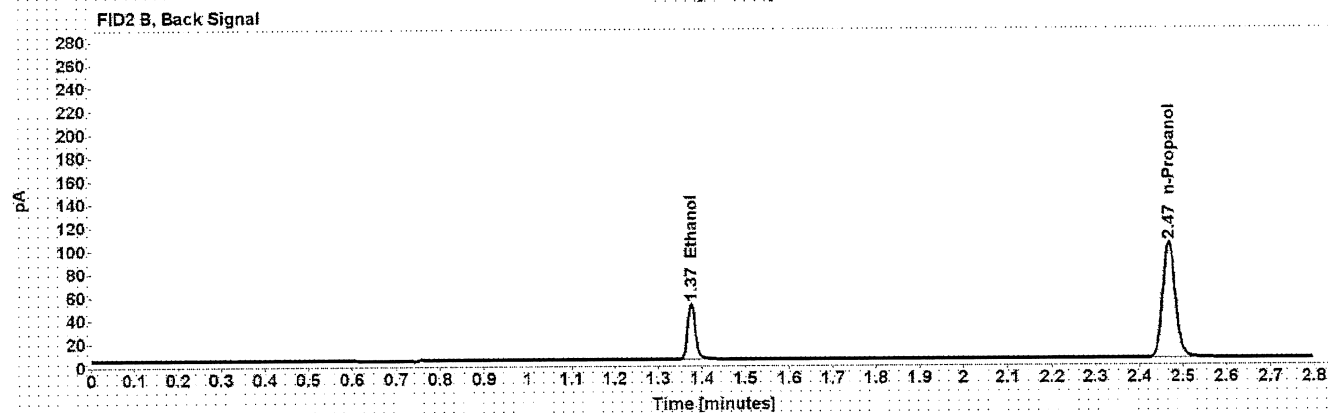
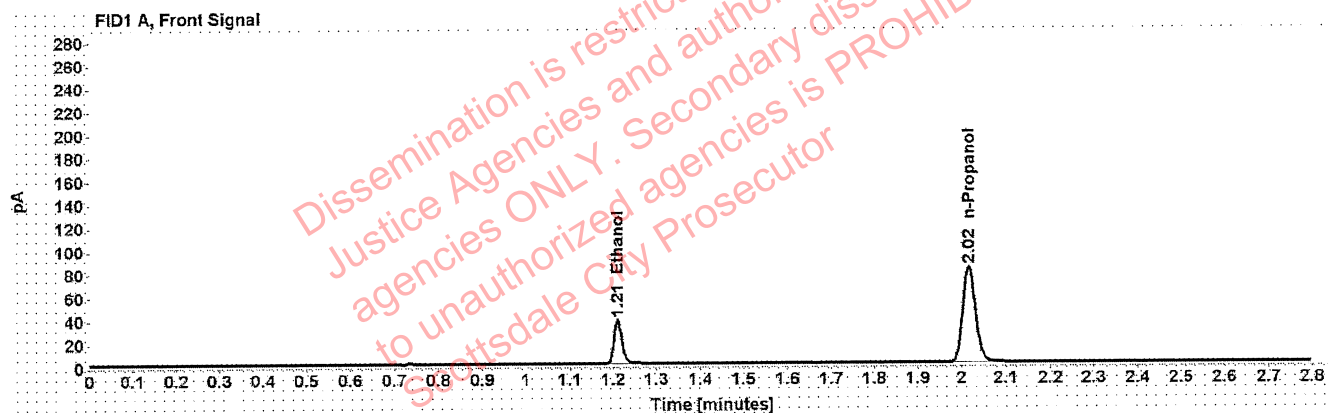


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.211	48.617
n-Propanol	-----	2.017	164.983

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

Compound	Time (min)	Peak Area
Ethanol	1.375	60.274
n-Propanol	2.468	202.679

# 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> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 2:43:39 PM
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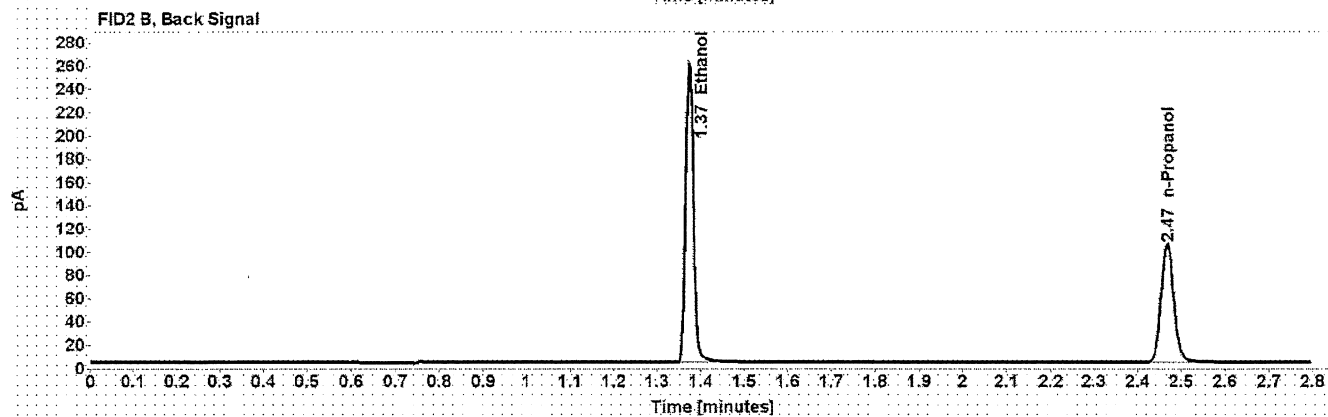
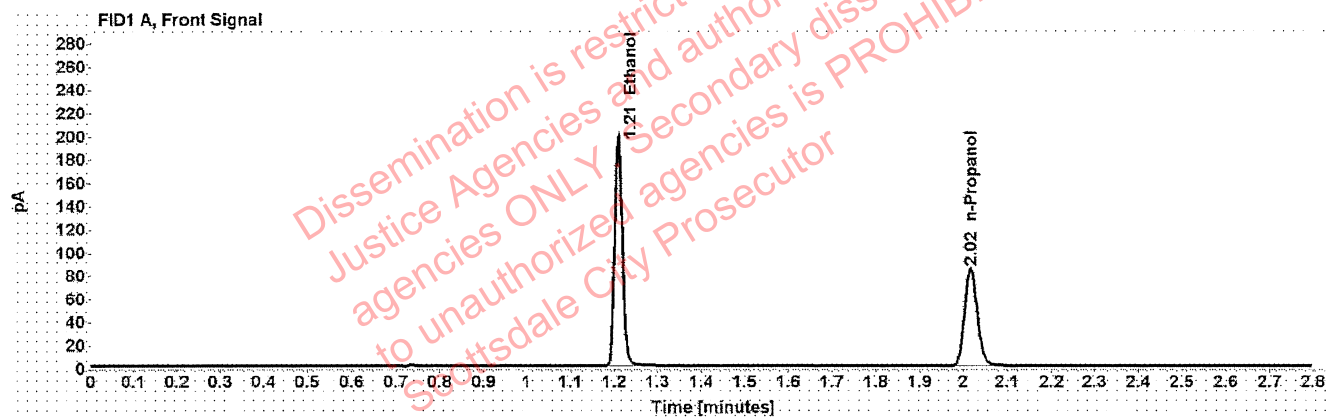


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4101	1.209	252.707
n-Propanol	-----	2.017	168.500

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

Compound	Time (min)	Peak Area
Ethanol	1.374	315.754
n-Propanol	2.468	207.619

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 43
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 2:47:54 PM
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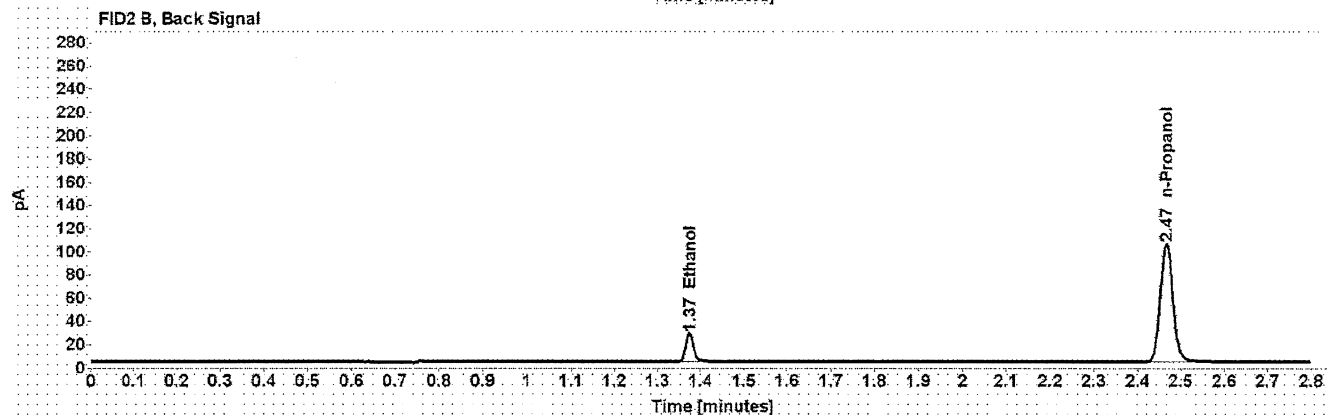
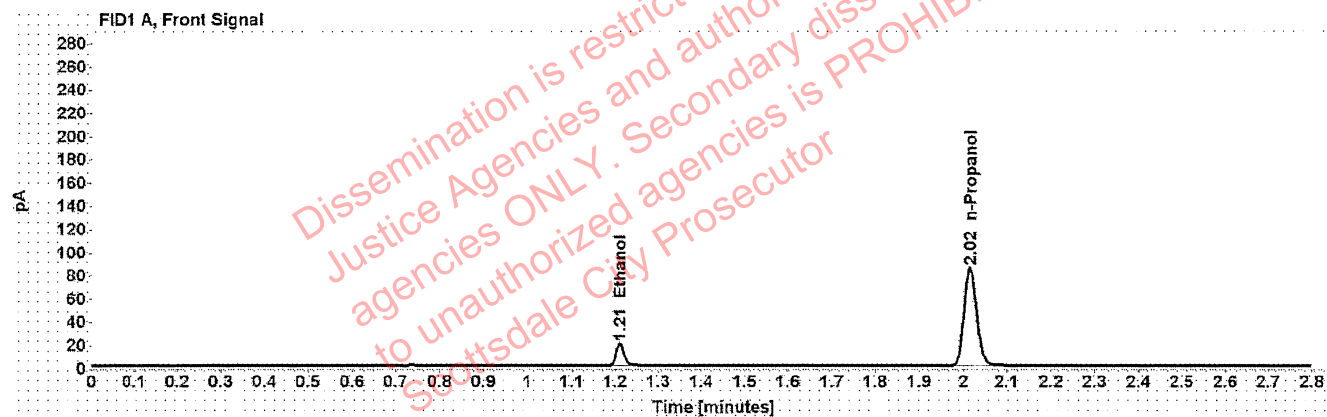


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.211	24.706
n-Propanol	-----	2.016	168.913

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.636
n-Propanol	2.466	207.560

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 44
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 2:51:53 PM
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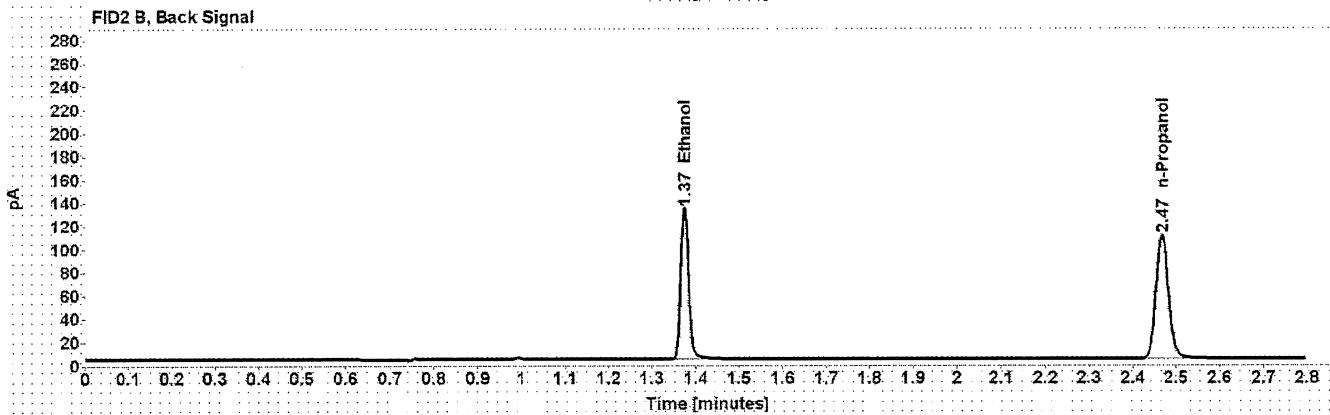
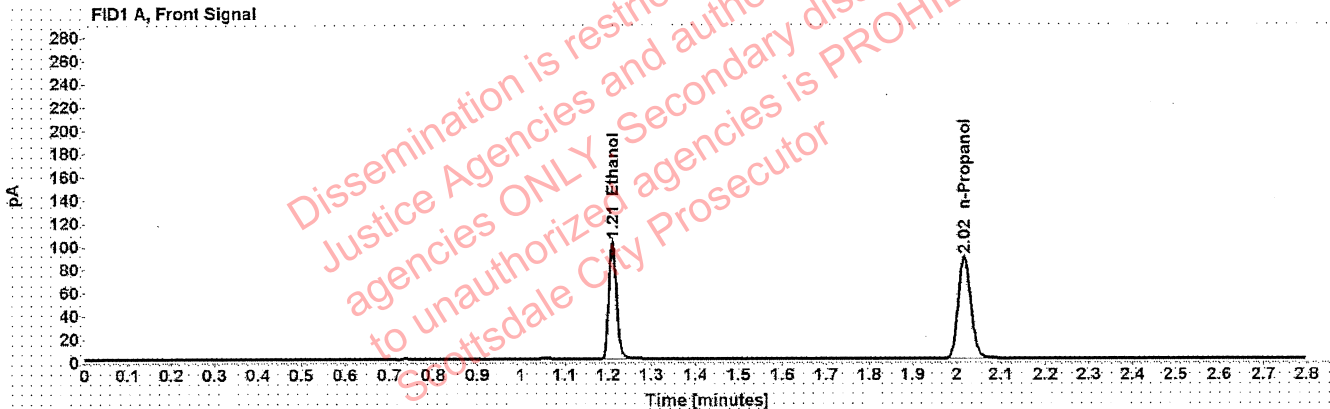


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2021	1.210	129.800
n-Propanol	-----	2.017	176.086

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

Compound	Time (min)	Peak Area
Ethanol	1.374	161.695
n-Propanol	2.468	216.505



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 111020WB	<b>Vial:</b> 45
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 10Feb21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 2/10/2021 2:55:55 PM
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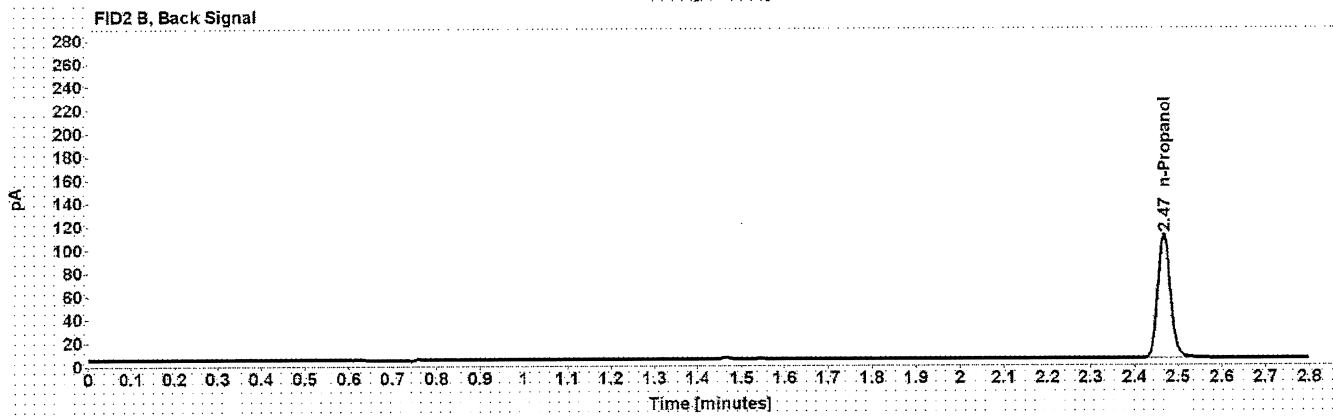
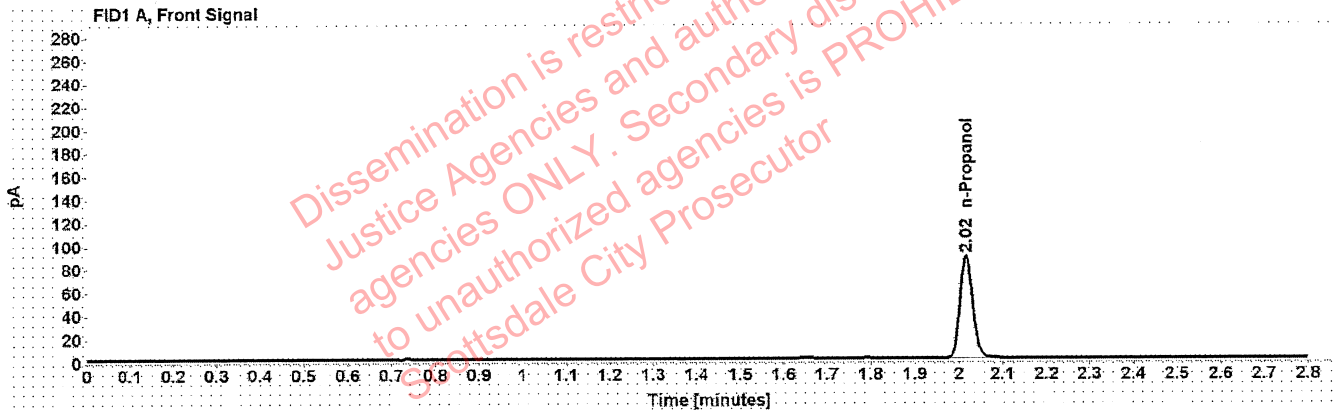


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	176.159

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	216.568

# Sequence Summary

Sequence name: 10Feb21      Instrument: US14173023 CN14160045      Analyst: Abbott *[Signature]*

Vial	Sample	Description	Type	LIMS ID	Method
1	FN06141806	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN05101903	0.200 calibrator	Calibration		ethanol quant.M
4	FN10051906	0.400 calibrator	Calibration		ethanol quant.M
5	112420AQ	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	31101JM		Sample		ethanol quant.M
11	31101JM		Sample		ethanol quant.M
12	38401LF		Sample		ethanol quant.M
13	38401LF		Sample		ethanol quant.M
14	33801DR		Sample		ethanol quant.M
15	33801DR		Sample		ethanol quant.M
16	1358599		Sample		ethanol quant.M
17	1358599		Sample		ethanol quant.M
18	1358618		Sample		ethanol quant.M
19	1358618		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1358750		Sample		ethanol quant.M
22	1358750		Sample		ethanol quant.M
23	1358419		Sample		ethanol quant.M
24	1358419		Sample		ethanol quant.M
25	1358235		Sample		ethanol quant.M
26	1358235		Sample		ethanol quant.M
27	1358496		Sample		ethanol quant.M
28	1358496		Sample		ethanol quant.M
29	1358486		Sample		ethanol quant.M
30	1358486		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1358901		Sample		ethanol quant.M
33	1358901		Sample		ethanol quant.M
34	1333254		Sample		ethanol quant.M
35	1333254		Sample		ethanol quant.M
36	1356645		Sample		ethanol quant.M
37	1356645		Sample		ethanol quant.M
38	1358729		Sample		ethanol quant.M
39	1358729		Sample		ethanol quant.M
40	1359220		Sample		ethanol quant.M
41	1359220		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	111020WB	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases


SEQUENCE NAME: 10Feb21

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0928	0.0933	0.09305	0.27	0.00025
12 13	0.1062	0.1063	0.10625	0.05	0.00005
14 15	0.2174	0.2181	0.21775	0.16	0.00035
16 17	0.0078	0.0078	0.00780	0.00	0.00000
18 19	0.1823	0.1820	0.18215	0.08	0.00015
21 22	0.2628	0.2642	0.26350	0.27	0.00070
23 24	0.0837	0.0837	0.08370	0.00	0.00000
25 26	0.2064	0.2055	0.20595	0.22	0.00045
27 28	0.1345	0.1345	0.13450	0.00	0.00000
29 30	0.1052	0.1055	0.10535	0.14	0.00015
32 33	0.1068	0.1060	0.10640	0.38	0.00040
34 35	0.1418	0.1422	0.14200	0.14	0.00020
36 37	0.2765	0.2771	0.27680	0.11	0.00030
38 39	0.2219	0.2207	0.22130	0.27	0.00060
40 41	0.1194	0.1192	0.11930	0.08	0.00010

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

# Scottsdale Forensic Lab Blood Alcohol Pipetting Log

ANALYST: Abbott 

SEQUENCE: 10Feb21

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	31101JM	31101JM	31101JM	Yes
Vials 12 and 13	38401LF	38401LF	38401LF	Yes
Vials 14 and 15	33801DR	33801DR	33801DR	Yes
Vials 16 and 17	1358599	1358599	1358599	Yes
Vials 18 and 19	1358618	1358618	1358618	Yes
Vials 21 and 22	1358750	1358750	1358750	Yes
Vials 23 and 24	1358419	1358419	1358419	Yes
Vials 25 and 26	1358235	1358235	1358235	Yes
Vials 27 and 28	1358496	1358496	1358496	Yes
Vials 29 and 30	1358486	1358486	1358486	Yes
Vials 32 and 33	1358901	1358901	1358901	Yes
Vials 34 and 35	1333254	1333254	1333254	Yes
Vials 36 and 37	1356645	1356645	1356645	Yes
Vials 38 and 39	1358729	1358729	1358729	Yes
Vials 40 and 41	1359220	1359220	1359220	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31101JM	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:34:24 PM
Data file:	C:\Chem32\1\Data\10Feb21\10.D	Analyst:	Abbott

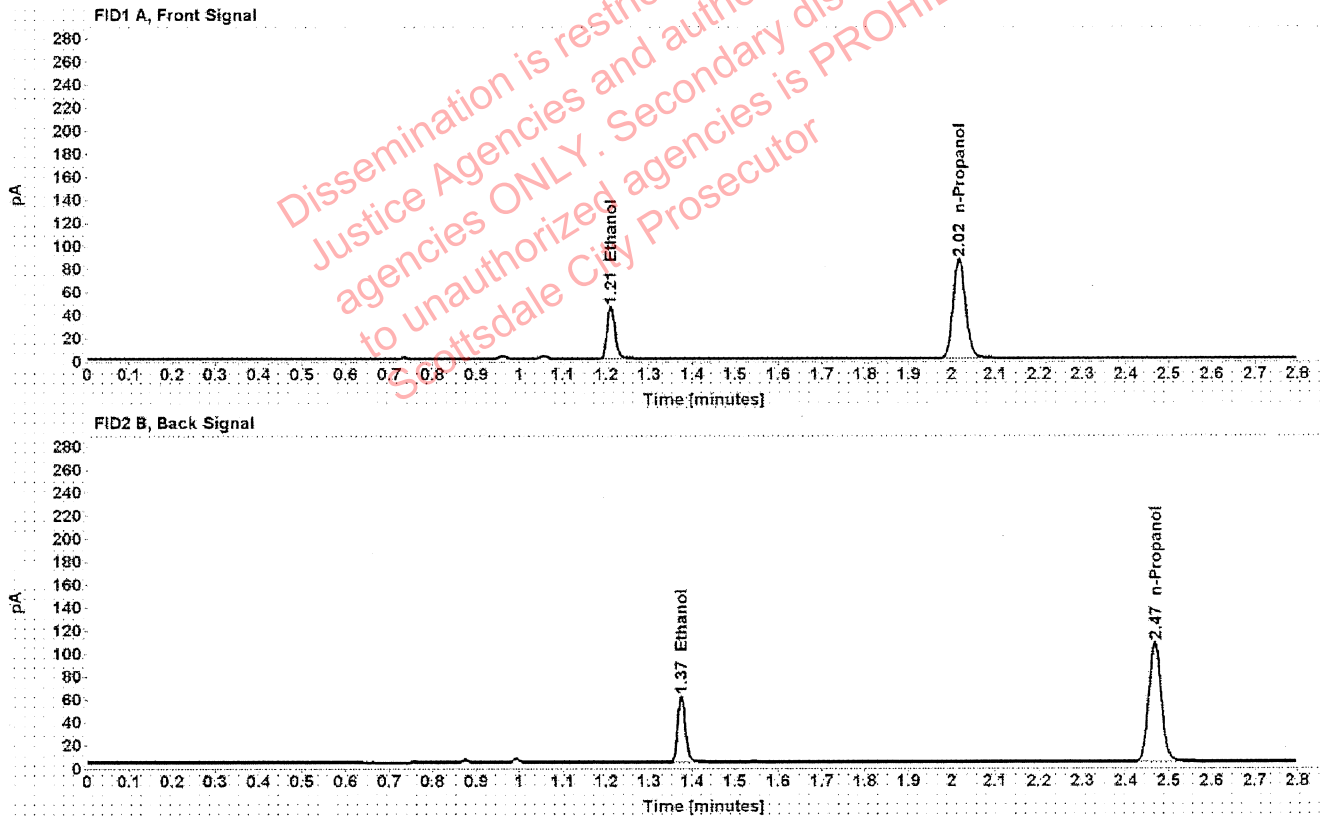


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0928	1.211	57.566
n-Propanol	-----	2.017	171.195

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

Compound	Time (min)	Peak Area
Ethanol	1.375	71.471
n-Propanol	2.468	211.161

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31101JM	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:38:23 PM
Data file:	C:\Chem32\1\Data\10Feb21\11.D	Analyst:	Abbott

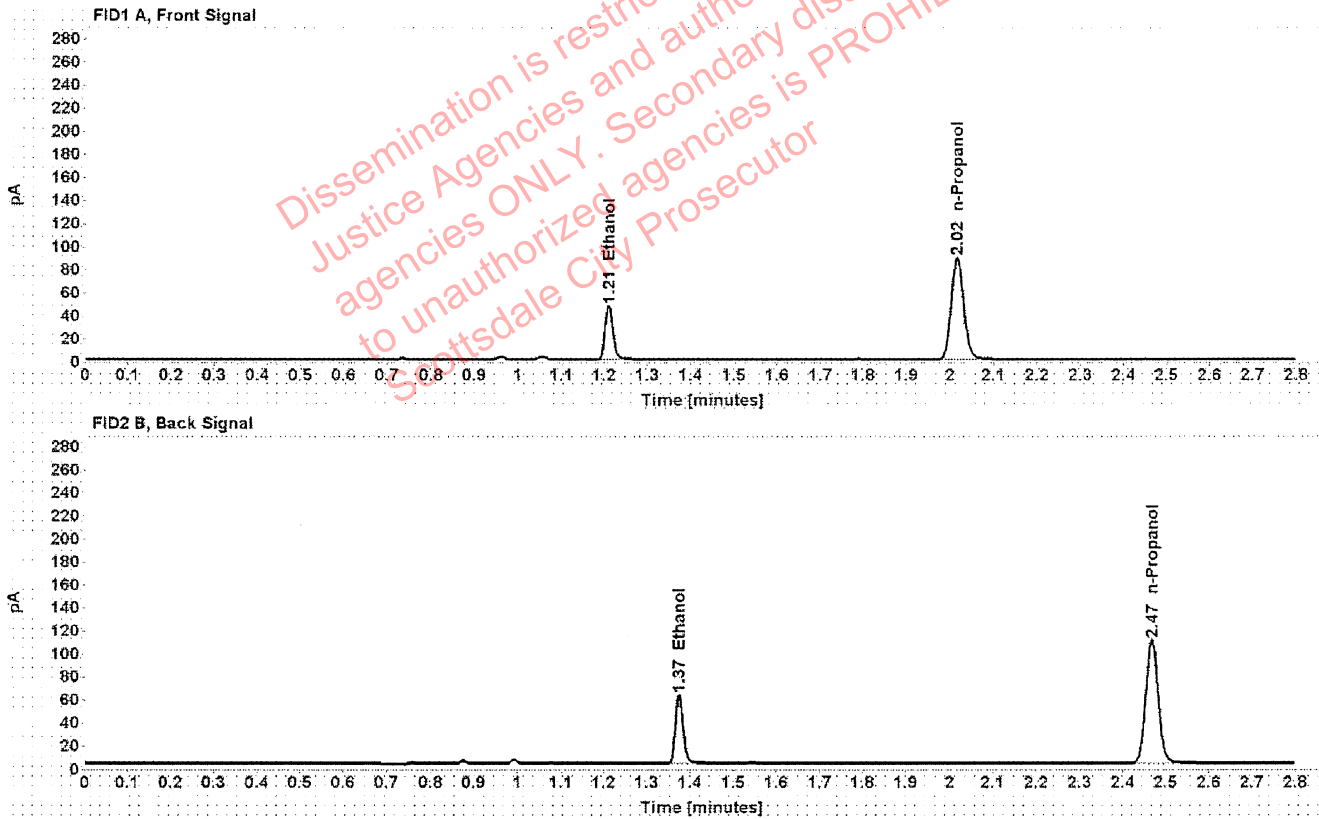


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0933	1.211	59.438
n-Propanol	-----	2.016	175.821

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

Compound	Time (min)	Peak Area
Ethanol	1.375	73.742
n-Propanol	2.468	216.673

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401LF	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:42:23 PM
Data file:	C:\Chem32\1\Data\10Feb21\12.D	Analyst:	Abbott

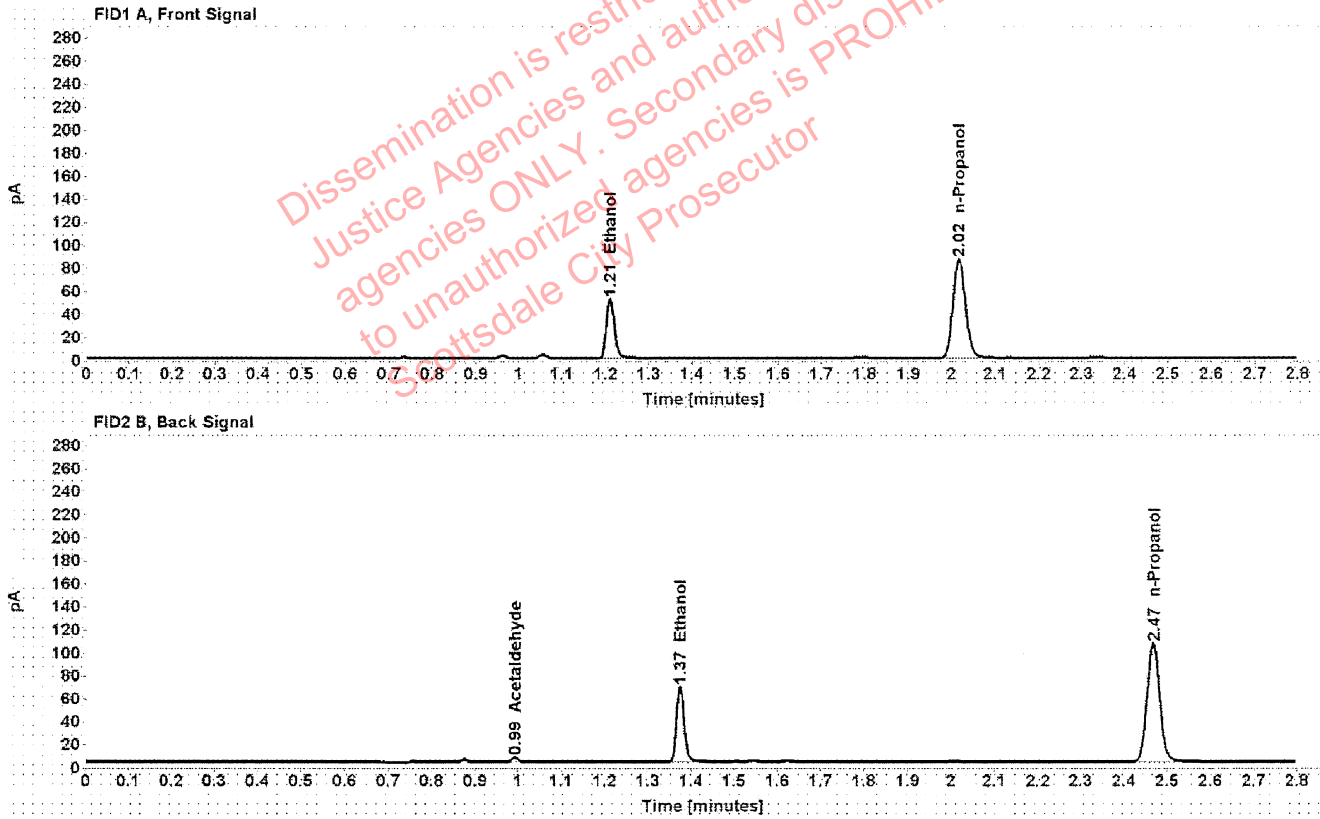


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1062	1.211	65.511
n-Propanol	-----	2.017	169.896

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.903
Ethanol	1.375	81.373
n-Propanol	2.468	209.883

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401LF	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:46:40 PM
Data file:	C:\Chem32\1\Data\10Feb21\13.D	Analyst:	Abbott

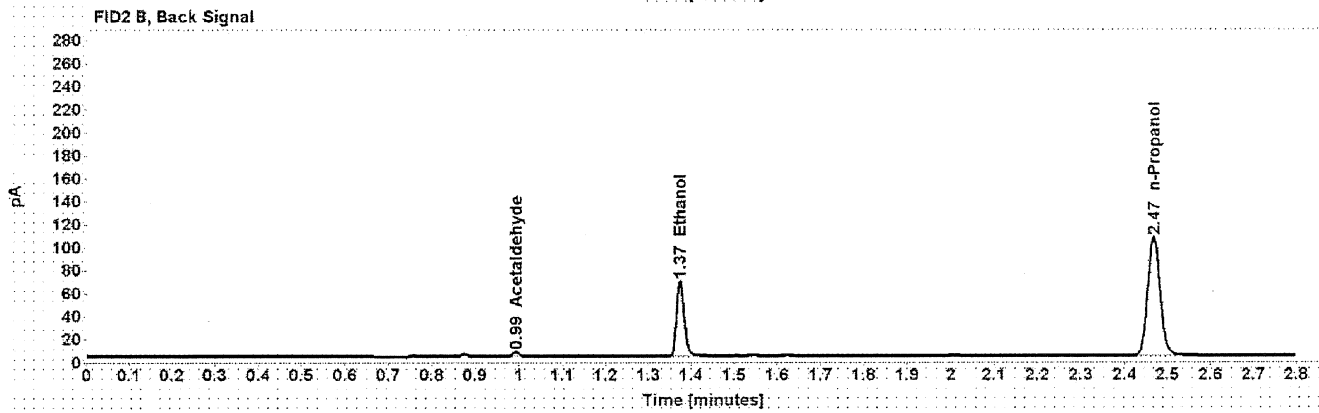
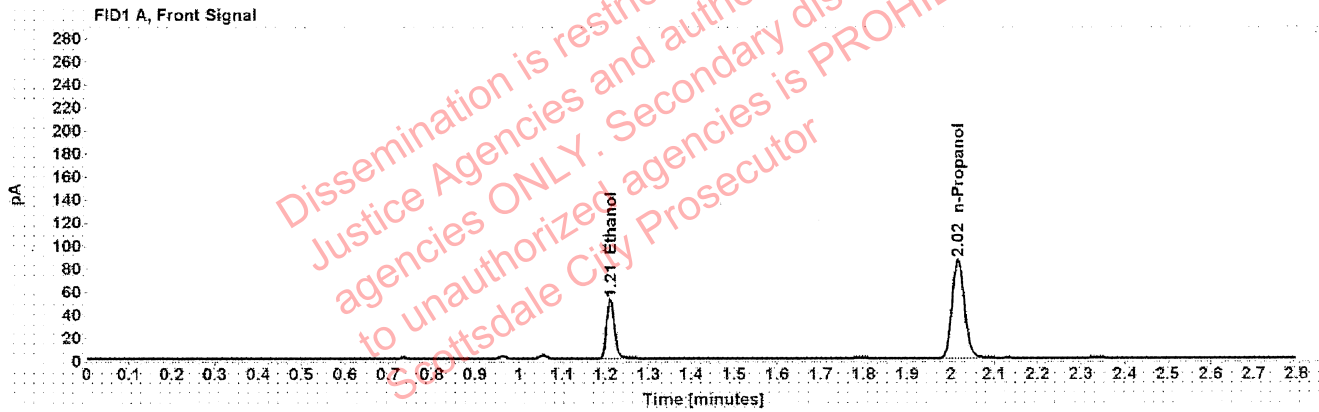


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1063	1.211	65.614
n-Propanol	-----	2.017	169.960

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.854
Ethanol	1.375	81.218
n-Propanol	2.468	209.775



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33801DR	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:50:38 PM
Data file:	C:\Chem32\1\Data\10Feb21\14.D	Analyst:	Abbott

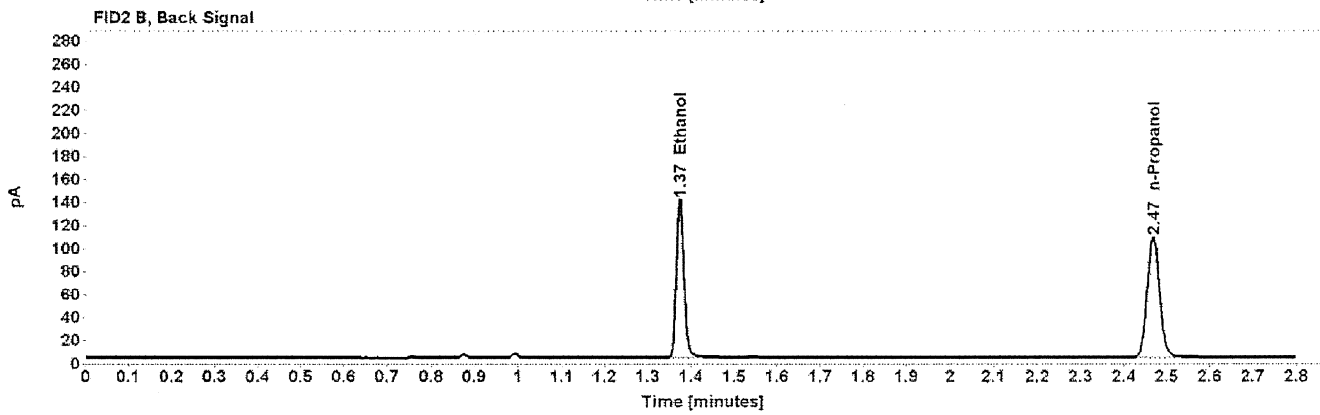
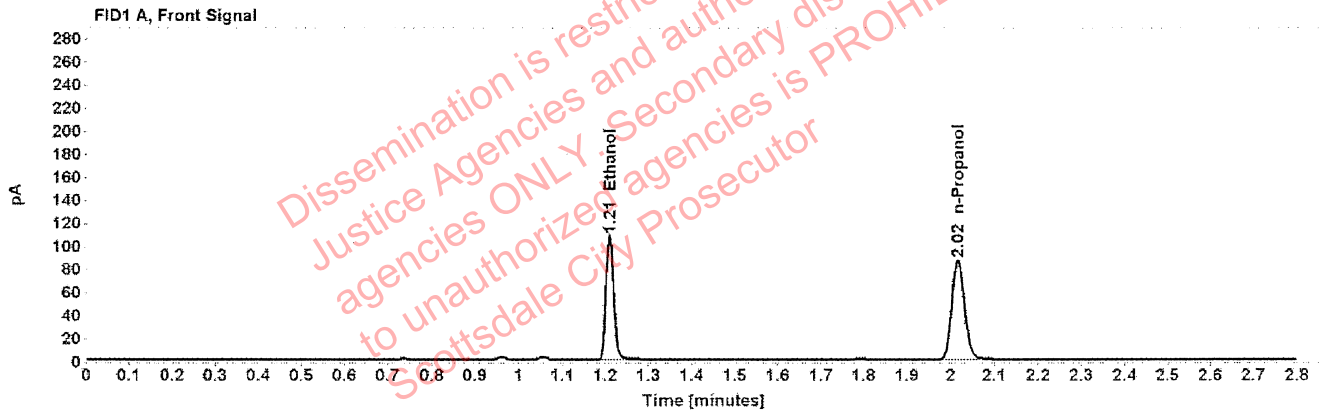


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2174	1.210	136.520
n-Propanol	-----	2.017	172.108

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

Compound	Time (min)	Peak Area
Ethanol	1.374	170.463
n-Propanol	2.468	212.188

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33801DR	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:54:38 PM
Data file:	C:\Chem32\1\Data\10Feb21\15.D	Analyst:	Abbott

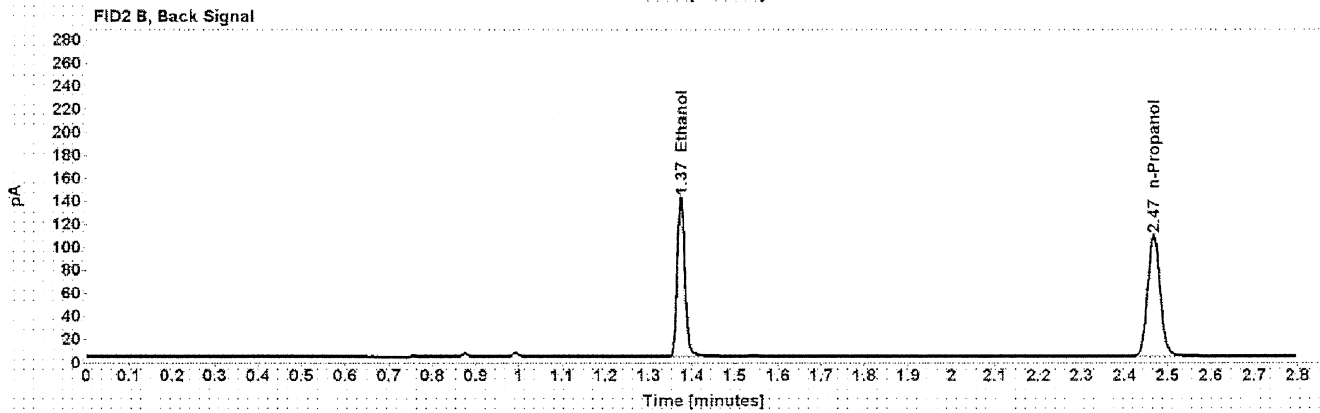
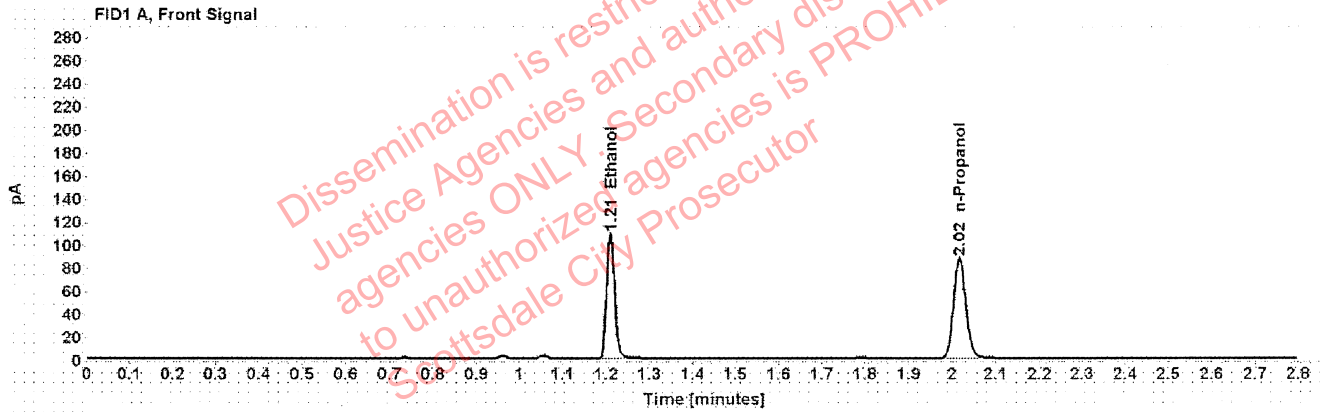


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2181	1.210	137.800
n-Propanol	-----	2.017	173.104

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

Compound	Time (min)	Peak Area
Ethanol	1.374	172.178
n-Propanol	2.468	213.336

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358599	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 12:58:40 PM
Data file:	C:\Chem32\1\Data\10Feb21\16.D	Analyst:	Abbott

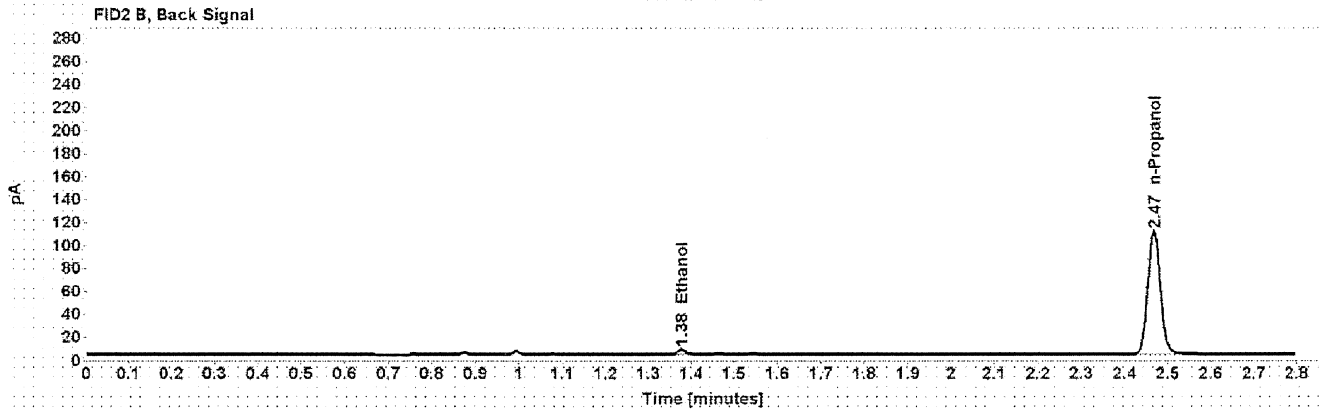


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0078	1.214	4.392
n-Propanol	-----	2.017	176.856

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

Compound	Time (min)	Peak Area
Ethanol	1.377	5.590
n-Propanol	2.468	217.902

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358599	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:02:39 PM
Data file:	C:\Chem32\1\Data\10Feb21\17.D	Analyst:	Abbott

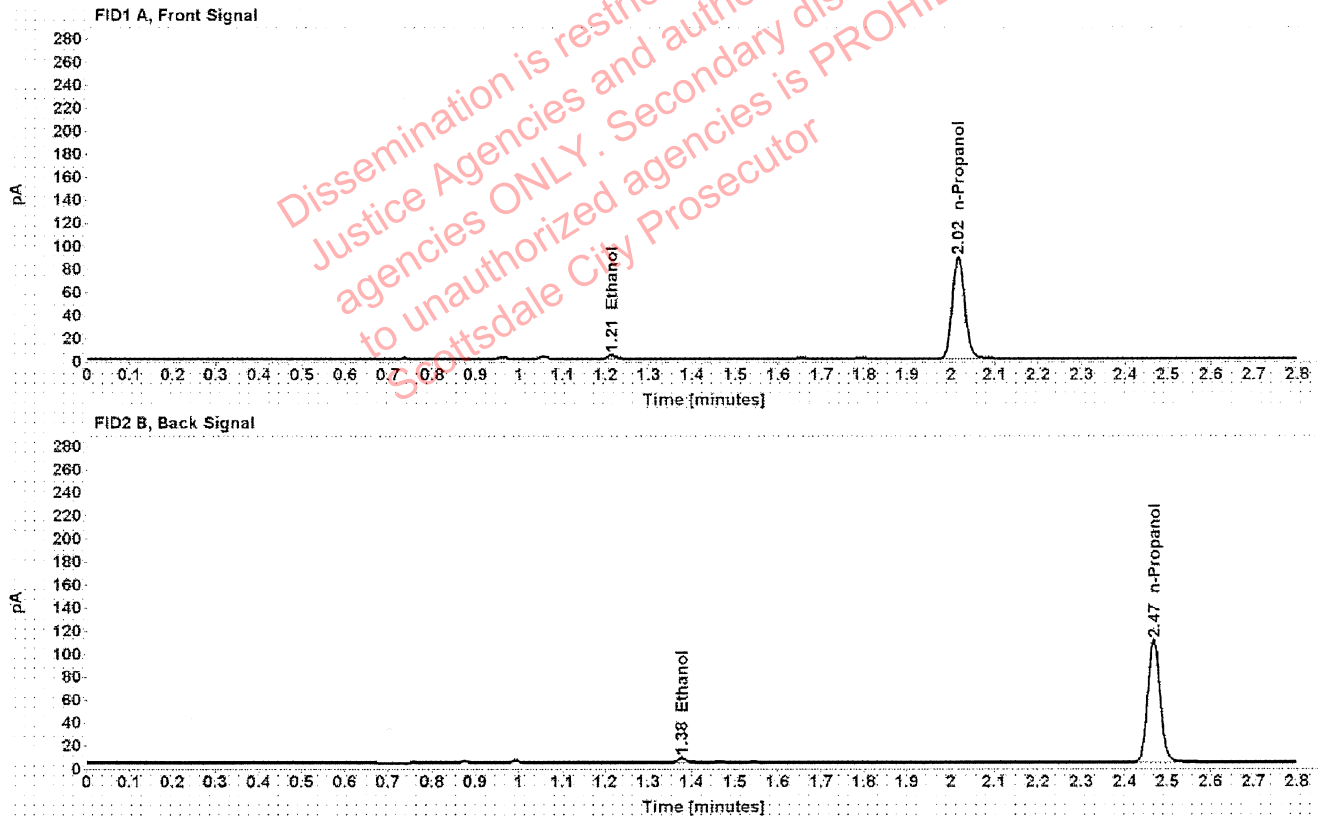


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0078	1.214	4.354
n-Propanol	-----	2.017	176.106

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

Compound	Time (min)	Peak Area
Ethanol	1.377	5.627
n-Propanol	2.468	216.969

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358618	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:06:38 PM
Data file:	C:\Chem32\1\Data\10Feb21\18.D	Analyst:	Abbott

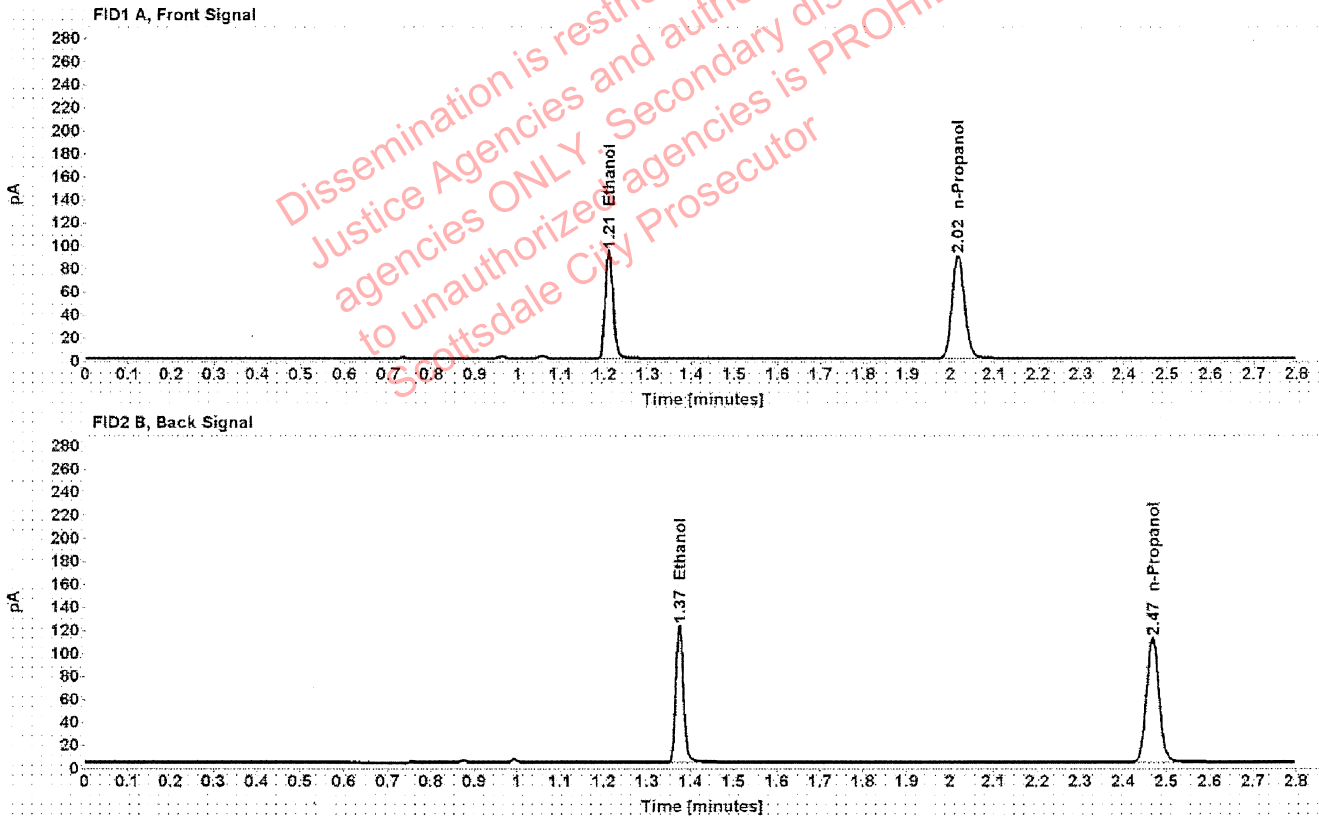


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1823	1.210	118.634
n-Propanol	-----	2.017	178.523

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

Compound	Time (min)	Peak Area
Ethanol	1.374	147.795
n-Propanol	2.468	219.641

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358618	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:10:53 PM
Data file:	C:\Chem32\1\Data\10Feb21\19.D	Analyst:	Abbott

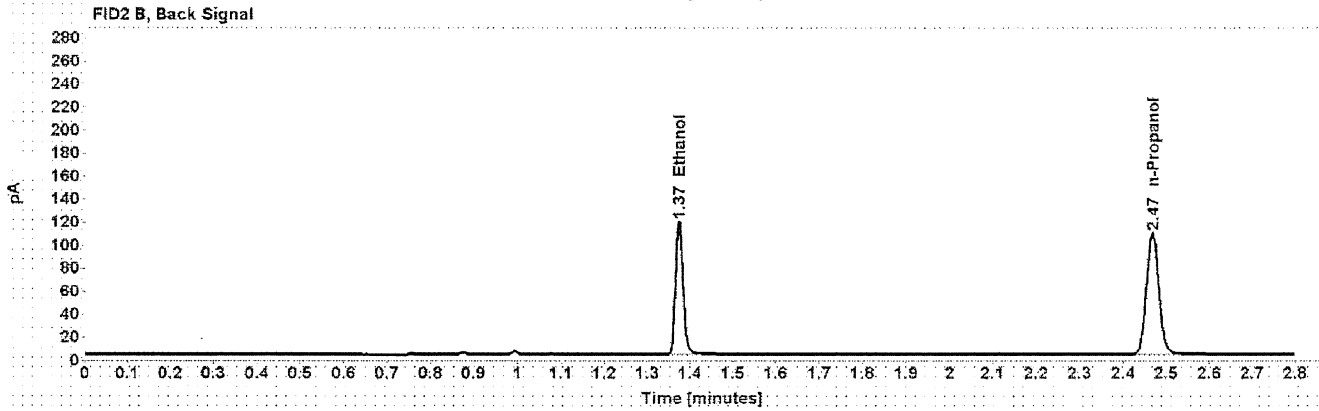
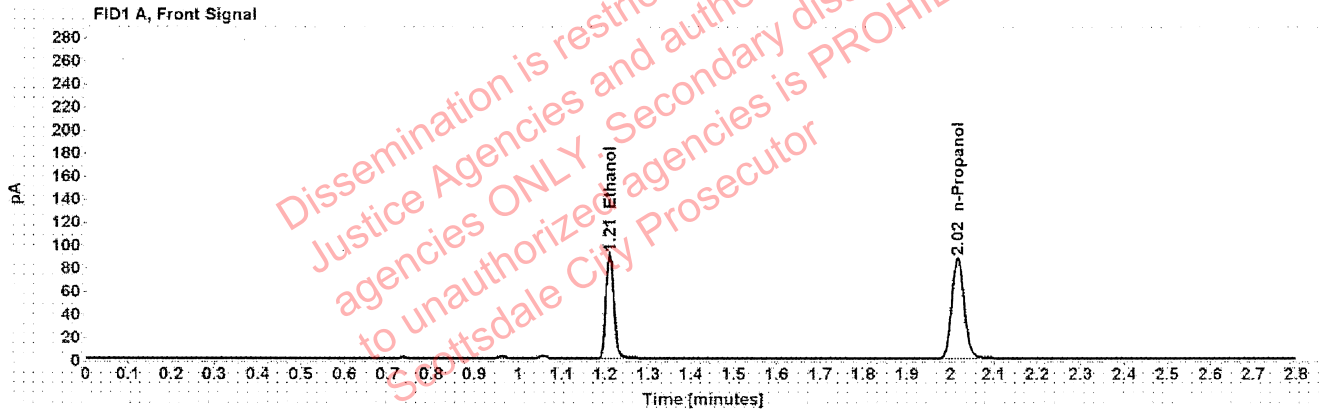


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1820	1.210	115.432
n-Propanol	-----	2.017	173.980

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

Compound	Time (min)	Peak Area
Ethanol	1.374	143.780
n-Propanol	2.468	214.039

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358750	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:18:54 PM
Data file:	C:\Chem32\1\Data\10Feb21\21.D	Analyst:	Abbott

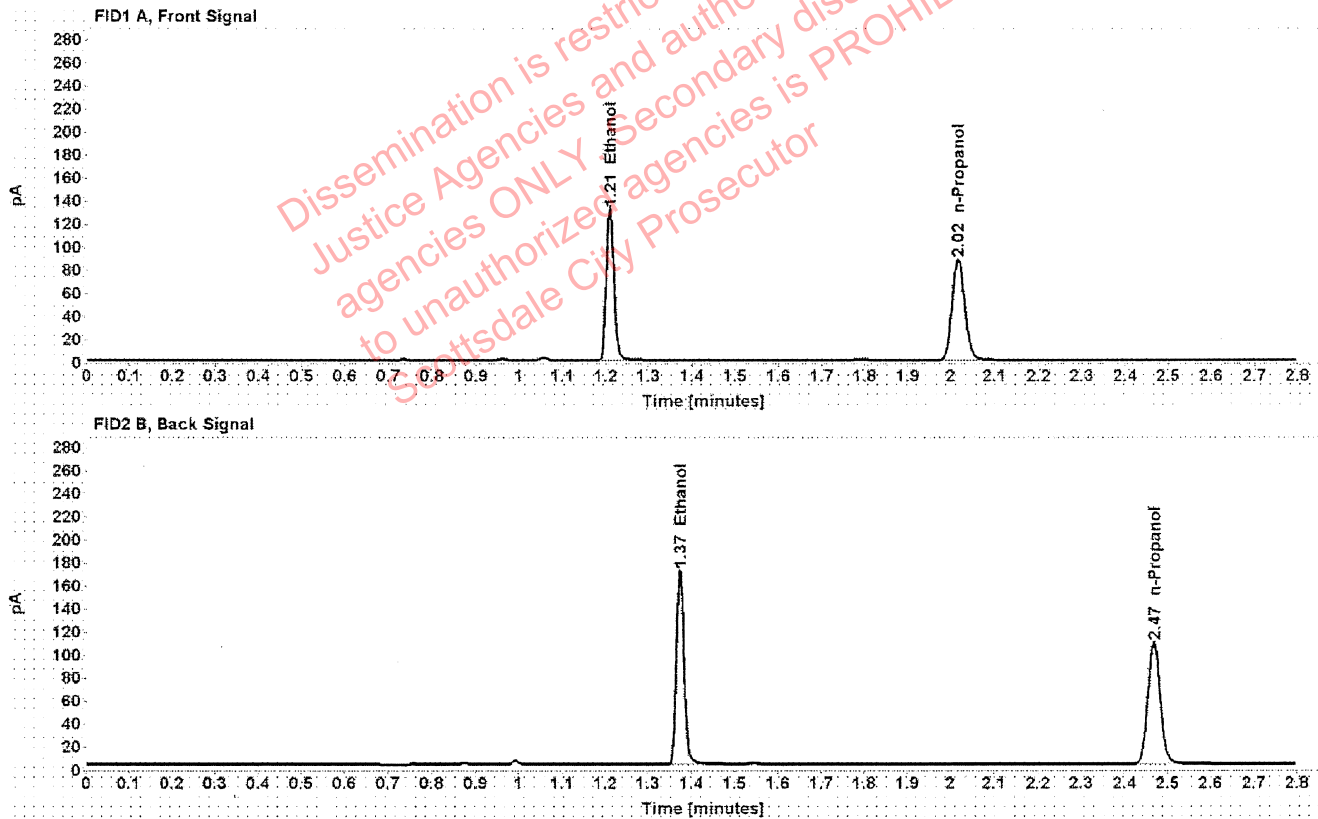


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2628	1.210	167.047
n-Propanol	-----	2.017	174.077

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

Compound	Time (min)	Peak Area
Ethanol	1.374	208.595
n-Propanol	2.468	213.983

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358750	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:22:55 PM
Data file:	C:\Chem32\1\Data\10Feb21\22.D	Analyst:	Abbott

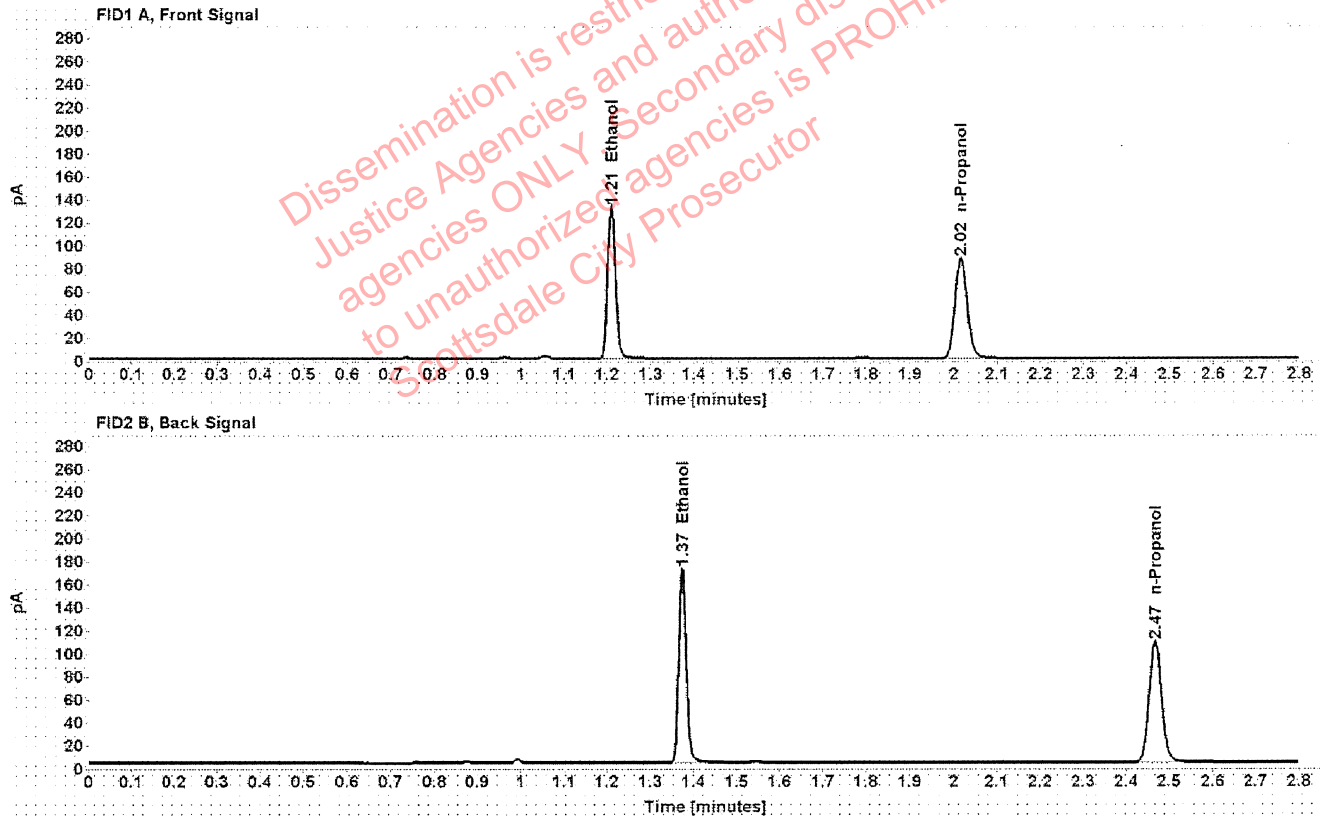


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2642	1.210	167.470
n-Propanol	-----	2.016	173.568

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

Compound	Time (min)	Peak Area
Ethanol	1.374	209.050
n-Propanol	2.467	213.079



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358419	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:26:53 PM
Data file:	C:\Chem32\1\Data\10Feb21\23.D	Analyst:	Abbott

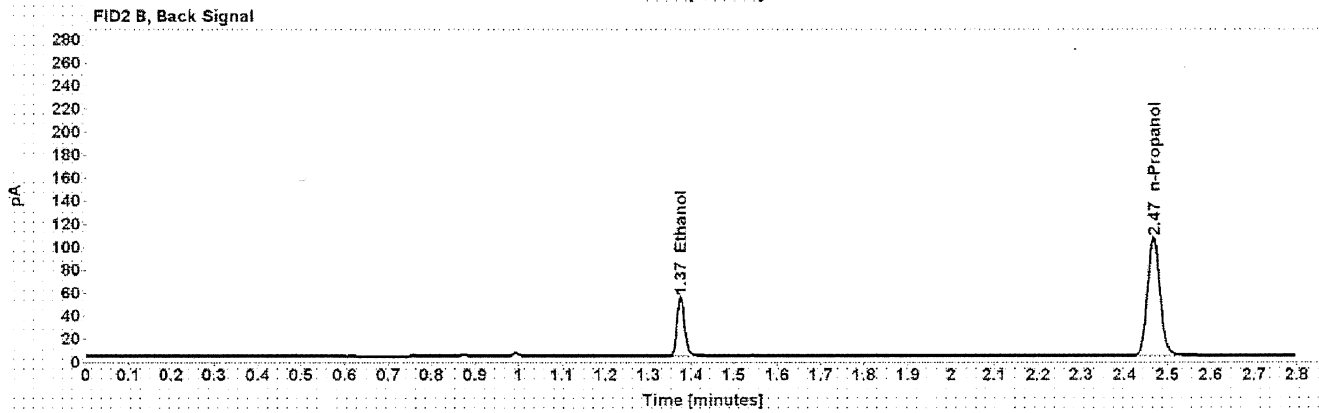
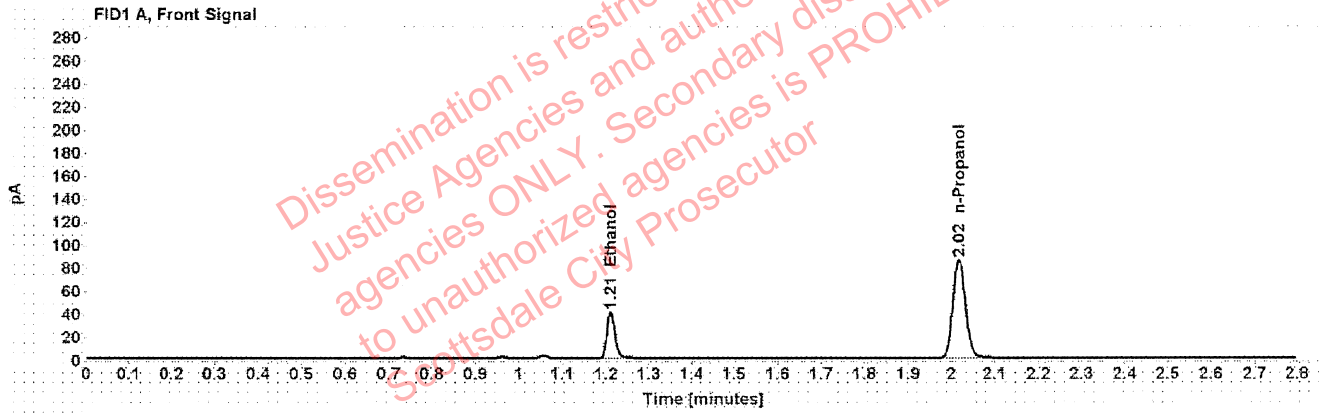


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0837	1.211	51.586
n-Propanol	-----	2.017	170.185

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

Compound	Time (min)	Peak Area
Ethanol	1.375	63.840
n-Propanol	2.468	209.203

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358419	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:30:54 PM
Data file:	C:\Chem32\1\Data\10Feb21\24.D	Analyst:	Abbott

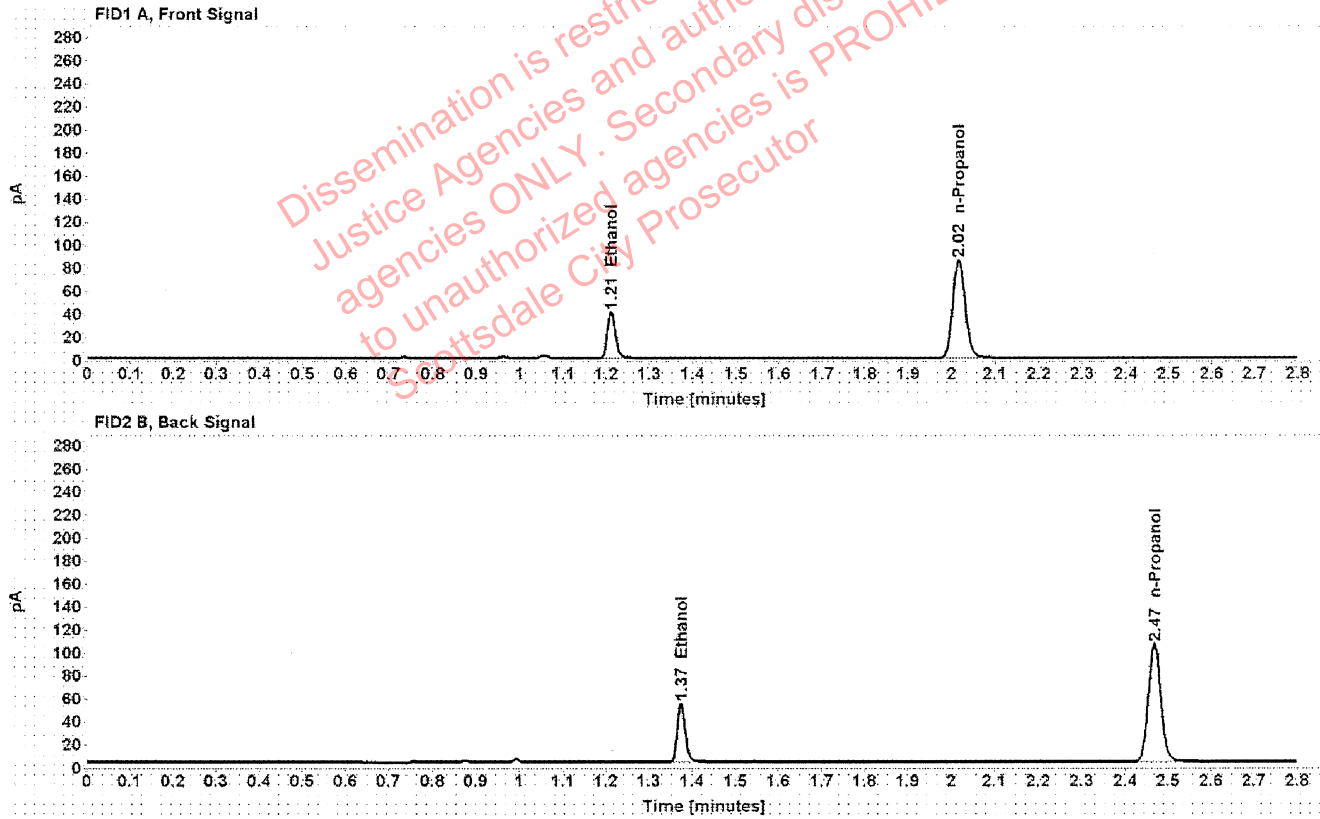


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0837	1.211	51.514
n-Propanol	-----	2.017	170.047

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

Compound	Time (min)	Peak Area
Ethanol	1.375	63.717
n-Propanol	2.468	208.937

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358235	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:35:09 PM
Data file:	C:\Chem32\1\Data\10Feb21\25.D	Analyst:	Abbott

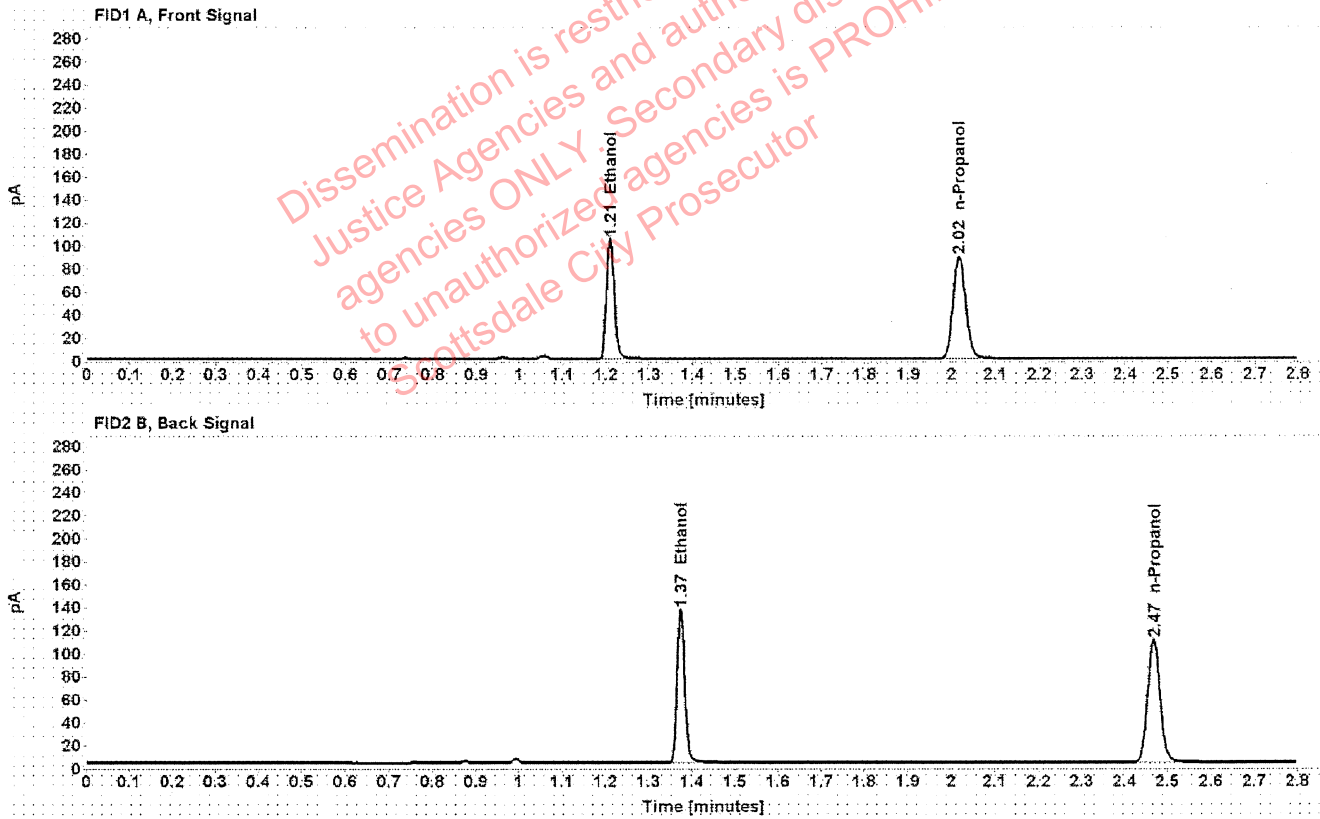


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2064	1.210	132.877
n-Propanol	-----	2.017	176.446

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

Compound	Time (min)	Peak Area
Ethanol	1.374	165.695
n-Propanol	2.468	217.101

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358235	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:39:08 PM
Data file:	C:\Chem32\1\Data\10Feb21\26.D	Analyst:	Abbott

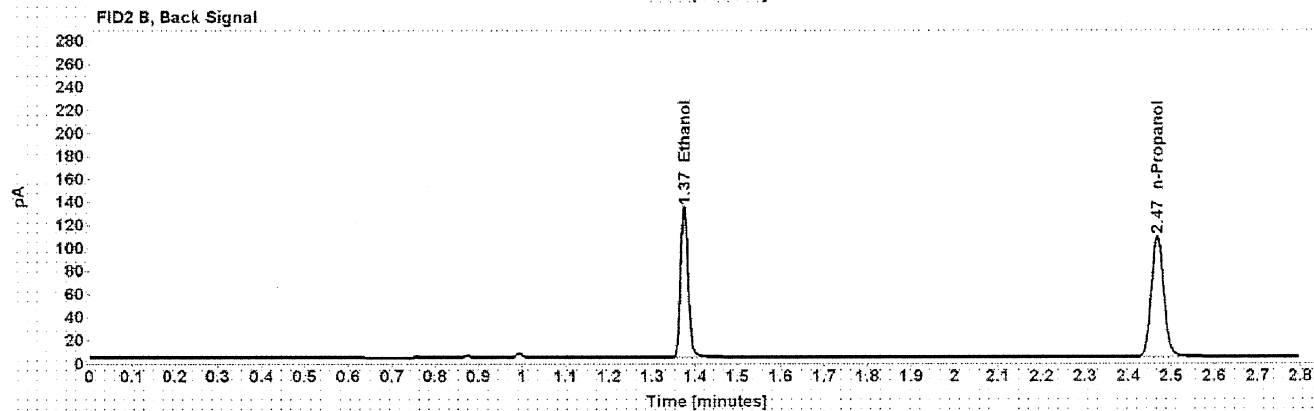
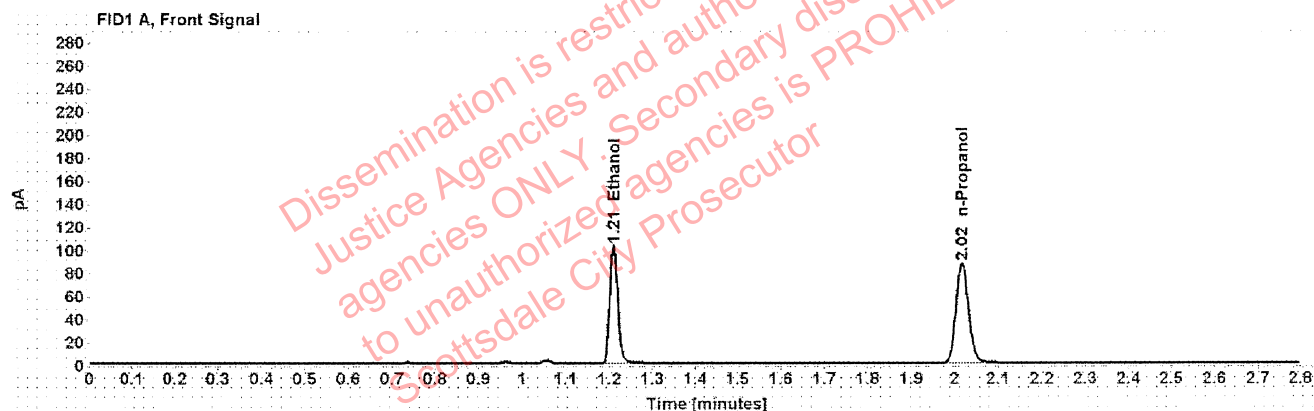


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2055	1.210	129.829
n-Propanol	-----	2.016	173.192

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

Compound	Time (min)	Peak Area
Ethanol	1.374	161.641
n-Propanol	2.468	212.950

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358496	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:43:10 PM
Data file:	C:\Chem32\1\Data\10Feb21\27.D	Analyst:	Abbott

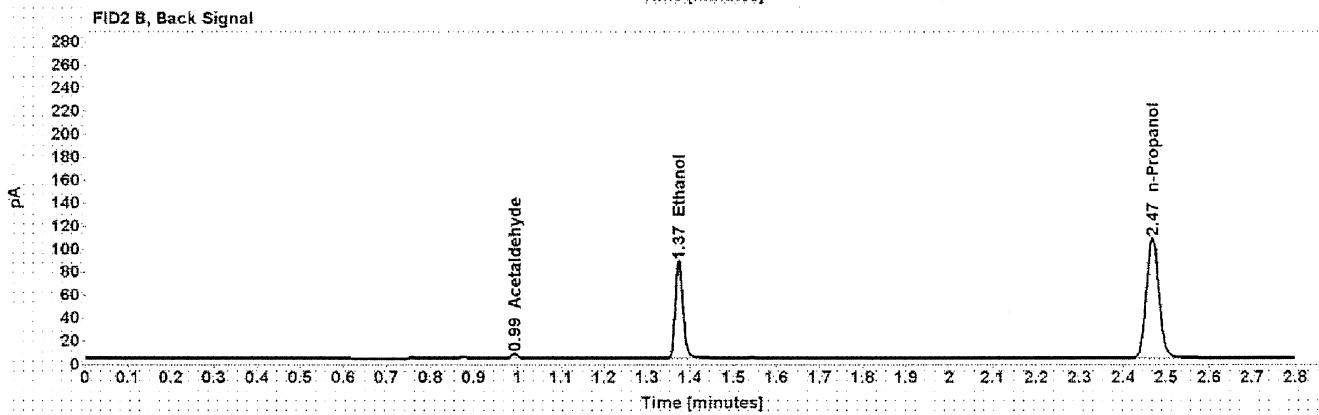
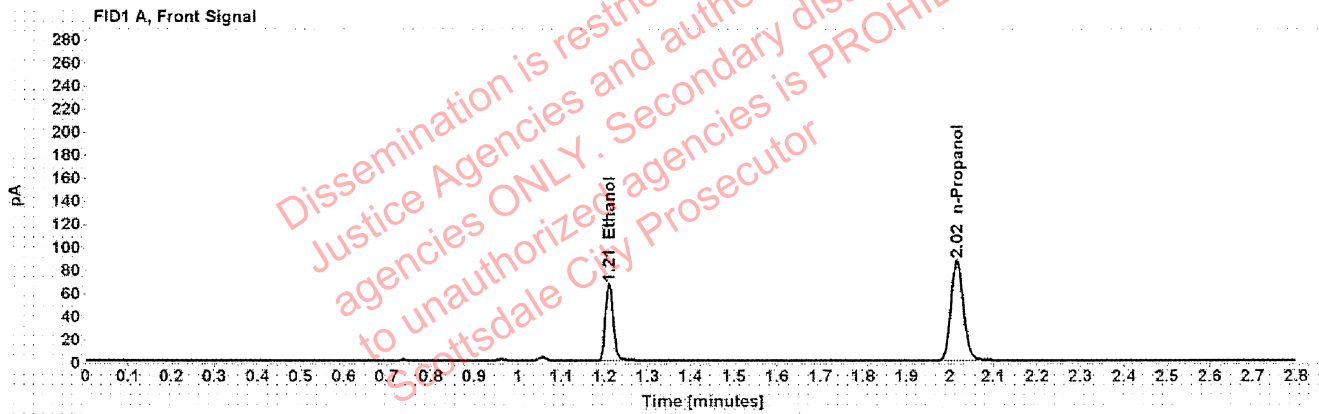


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1345	1.210	84.499
n-Propanol	-----	2.017	172.643

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.862
Ethanol	1.374	104.593
n-Propanol	2.468	212.295

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358496	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:47:08 PM
Data file:	C:\Chem32\1\Data\10Feb21\28.D	Analyst:	Abbott

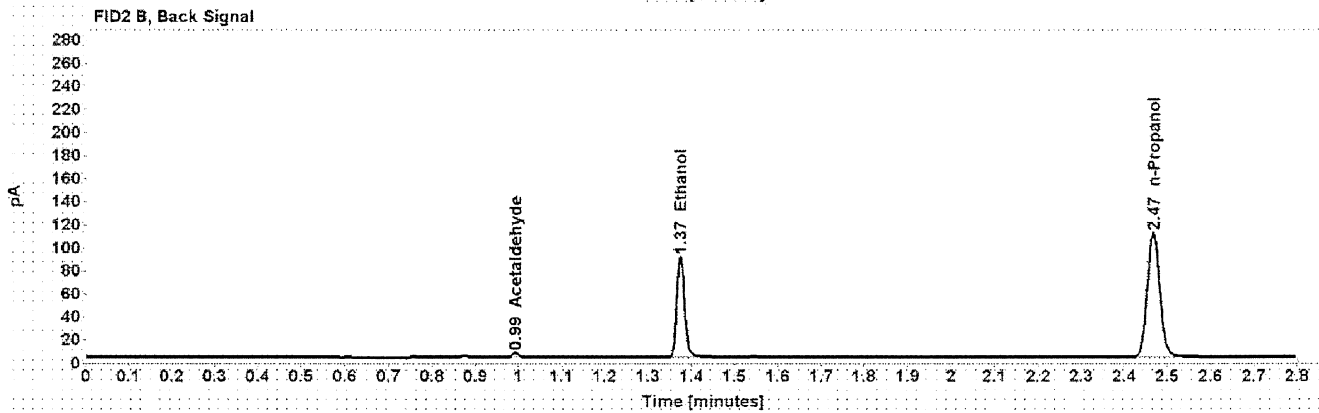
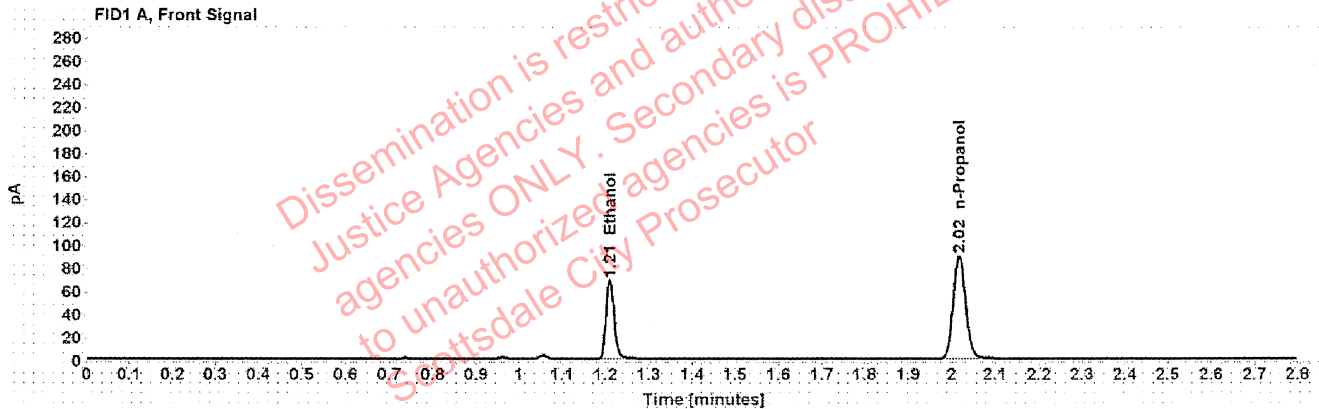


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1345	1.210	87.354
n-Propanol	-----	2.017	178.466

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.976
Ethanol	1.375	109.066
n-Propanol	2.468	219.313

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358486	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:51:08 PM
Data file:	C:\Chem32\1\Data\10Feb21\29.D	Analyst:	Abbott

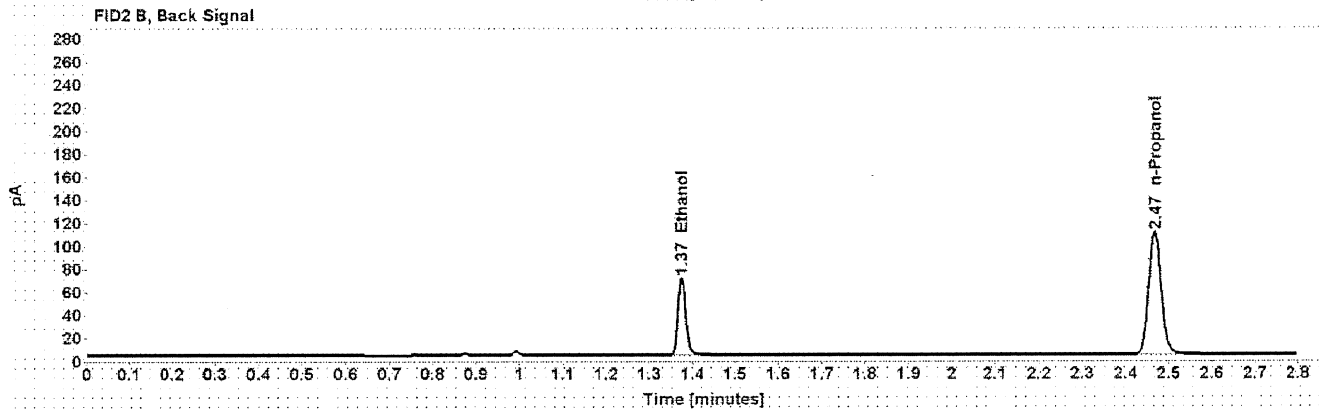
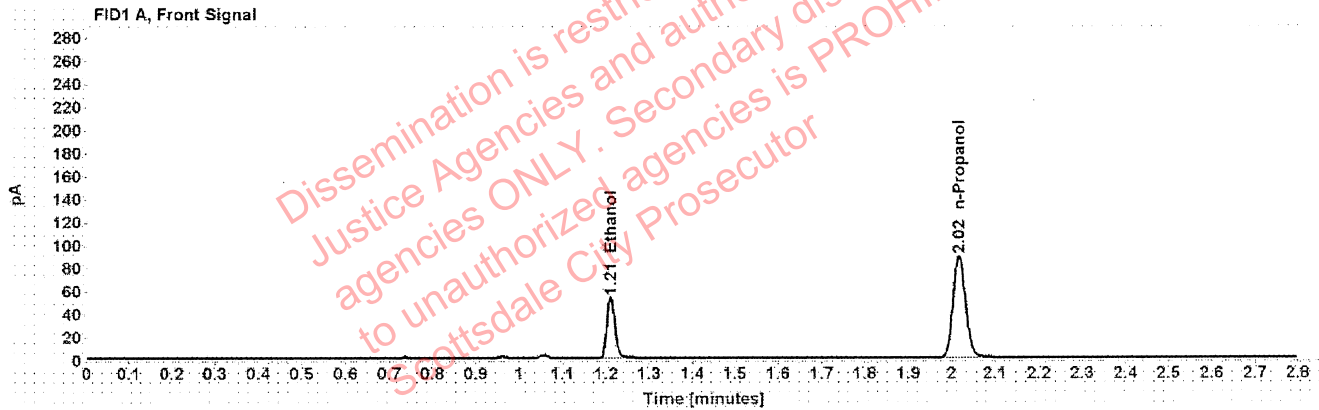


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1052	1.211	67.334
n-Propanol	-----	2.017	176.341

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

Compound	Time (min)	Peak Area
Ethanol	1.375	83.348
n-Propanol	2.468	217.019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358486	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 1:55:09 PM
Data file:	C:\Chem32\1\Data\10Feb21\30.D	Analyst:	Abbott

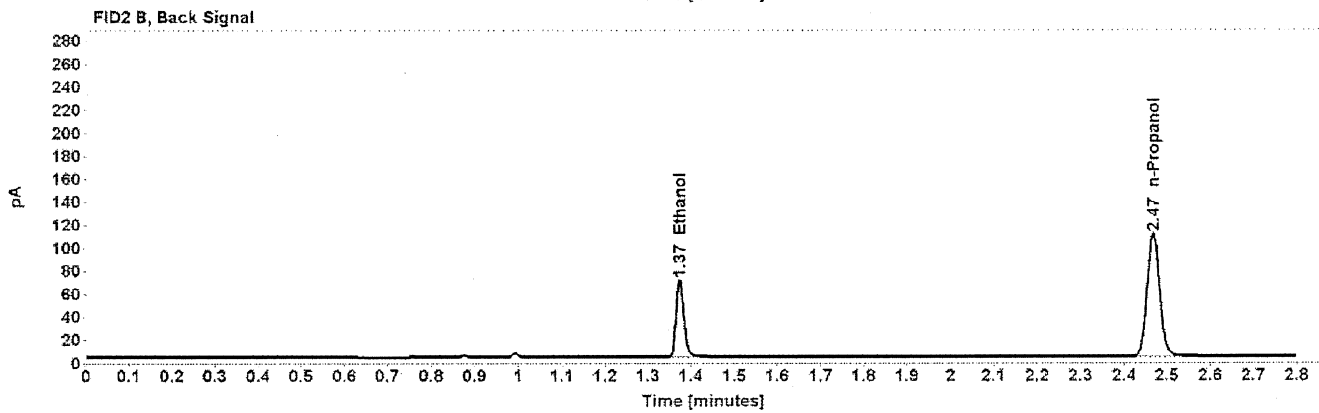
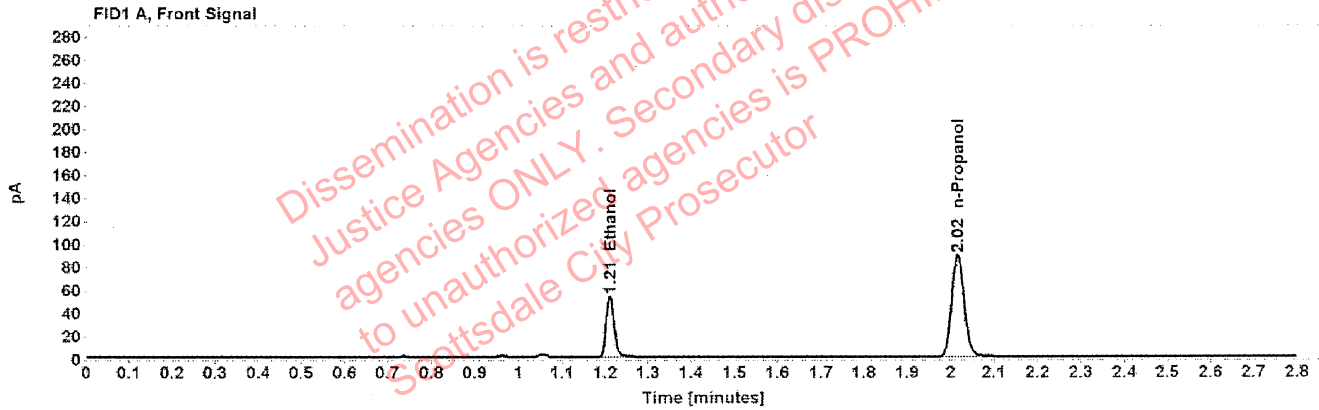


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1055	1.211	67.620
n-Propanol	-----	2.016	176.636

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

Compound	Time (min)	Peak Area
Ethanol	1.375	83.565
n-Propanol	2.468	217.352



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358901	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:03:25 PM
Data file:	C:\Chem32\1\Data\10Feb21\32.D	Analyst:	Abbott

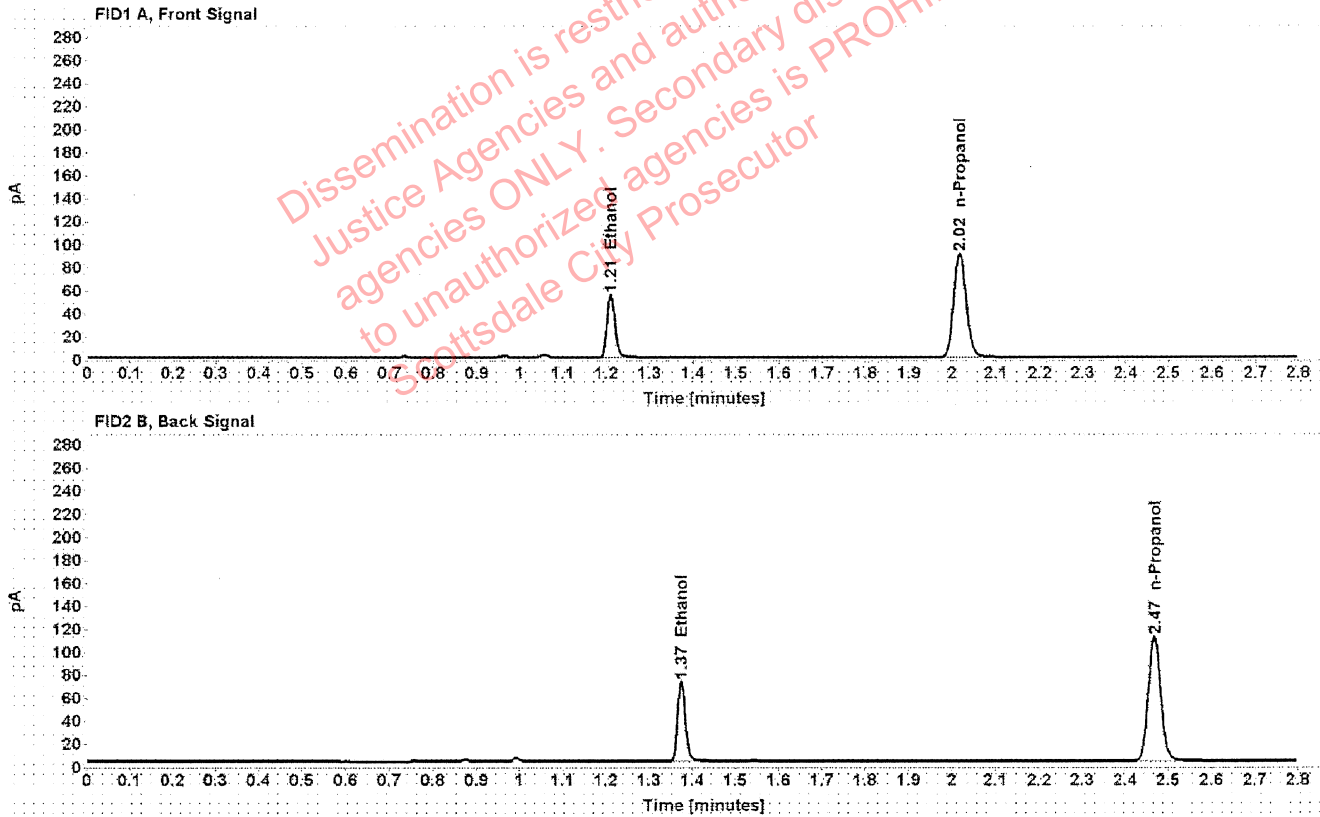


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1068	1.211	69.715
n-Propanol	-----	2.017	179.759

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

Compound	Time (min)	Peak Area
Ethanol	1.375	86.260
n-Propanol	2.468	220.761

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358901	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:07:23 PM
Data file:	C:\Chem32\1\Data\10Feb21\33.D	Analyst:	Abbott

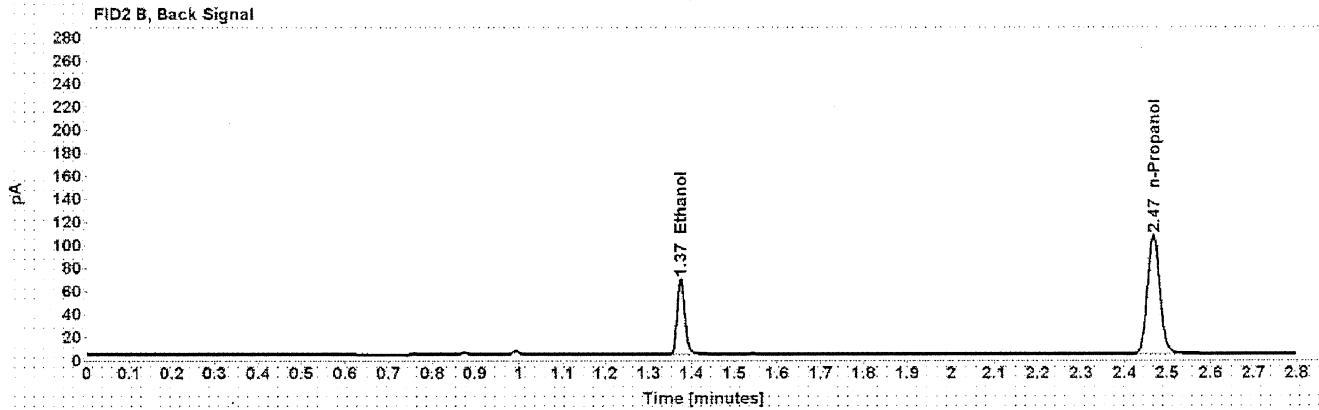
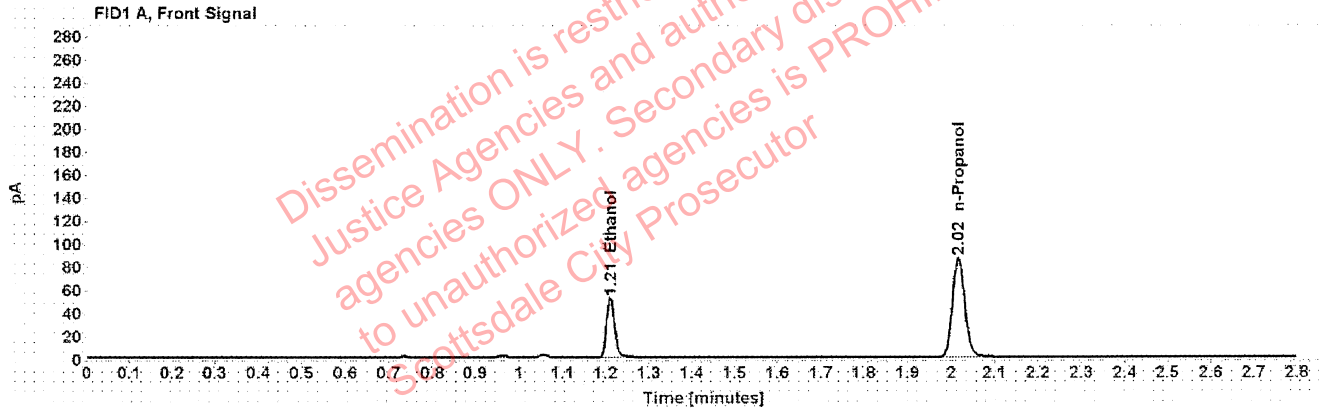


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1060	1.211	65.621
n-Propanol	-----	2.017	170.466

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

Compound	Time (min)	Peak Area
Ethanol	1.375	81.290
n-Propanol	2.468	209.156

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333254	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:11:26 PM
Data file:	C:\Chem32\1\Data\10Feb21\34.D	Analyst:	Abbott

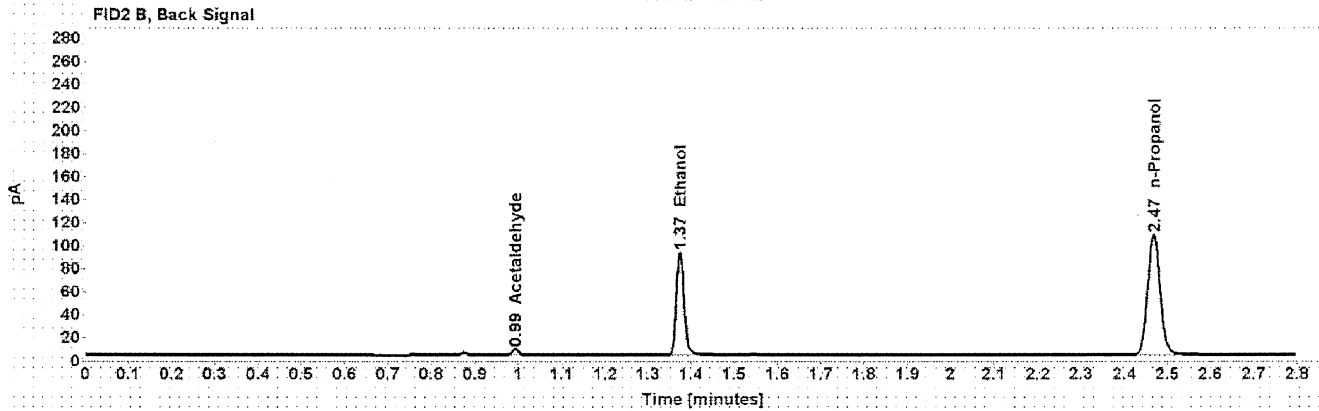
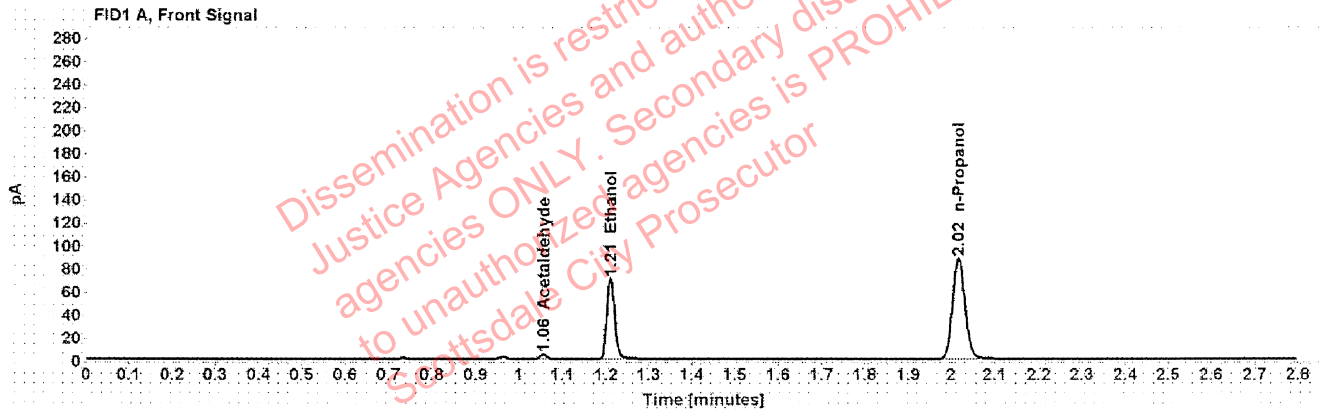


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.874
>Ethanol	0.1418	1.210	89.581
n-Propanol	-----	2.017	173.600

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.132
Ethanol	1.375	111.063
n-Propanol	2.468	213.739

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333254	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:15:24 PM
Data file:	C:\Chem32\1\Data\10Feb21\35.D	Analyst:	Abbott

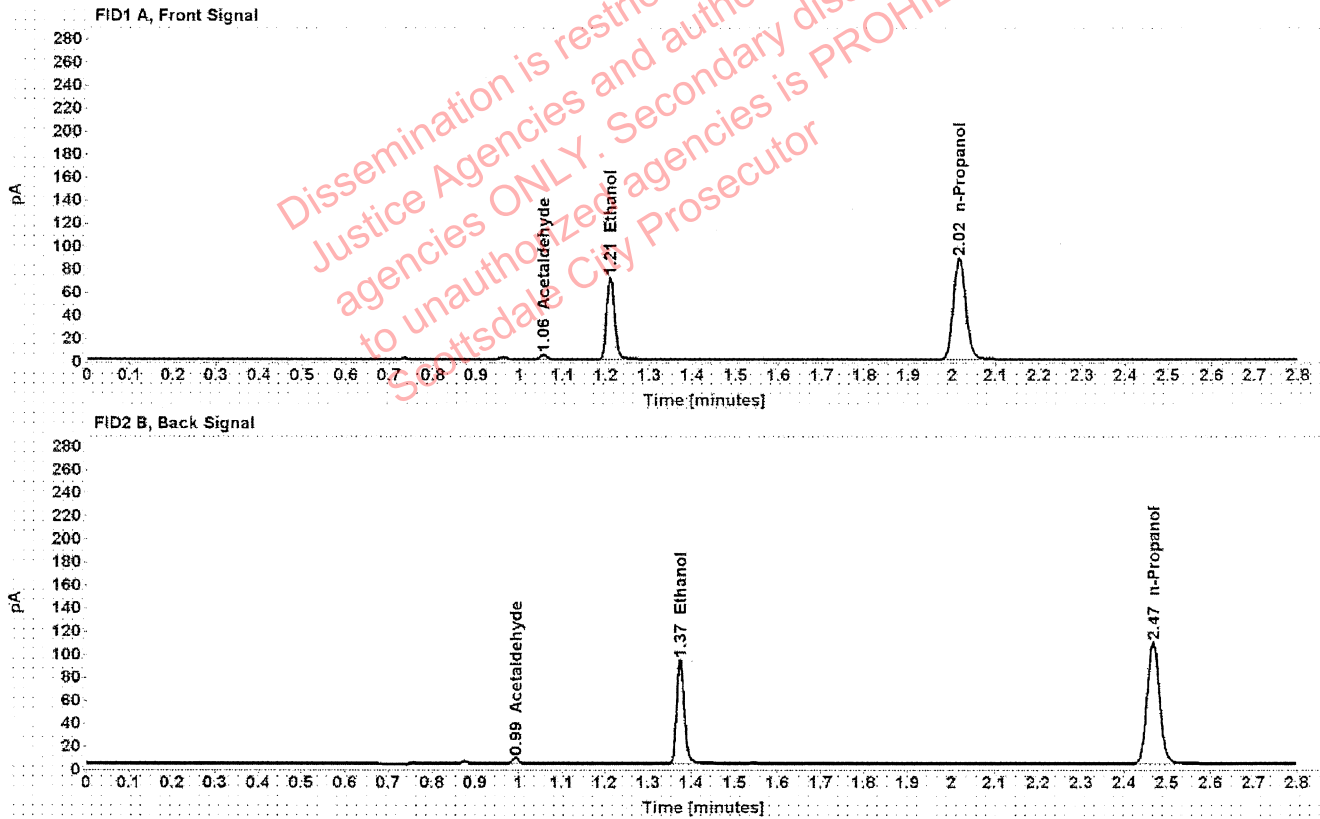


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.888
>Ethanol	0.1422	1.210	90.502
n-Propanol	-----	2.017	174.863

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.146
Ethanol	1.374	112.242
n-Propanol	2.468	215.316

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1356645	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:19:23 PM
Data file:	C:\Chem32\1\Data\10Feb21\36.D	Analyst:	Abbott

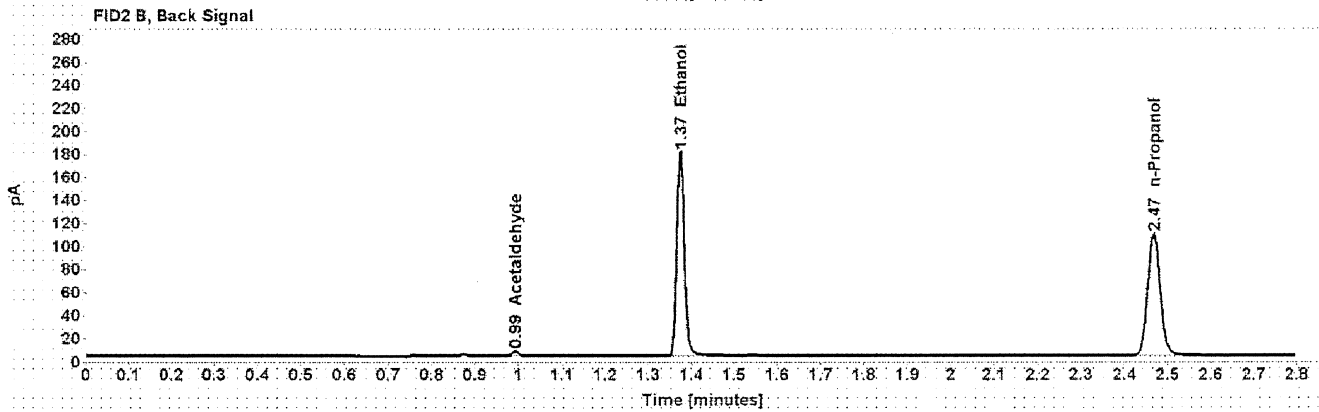
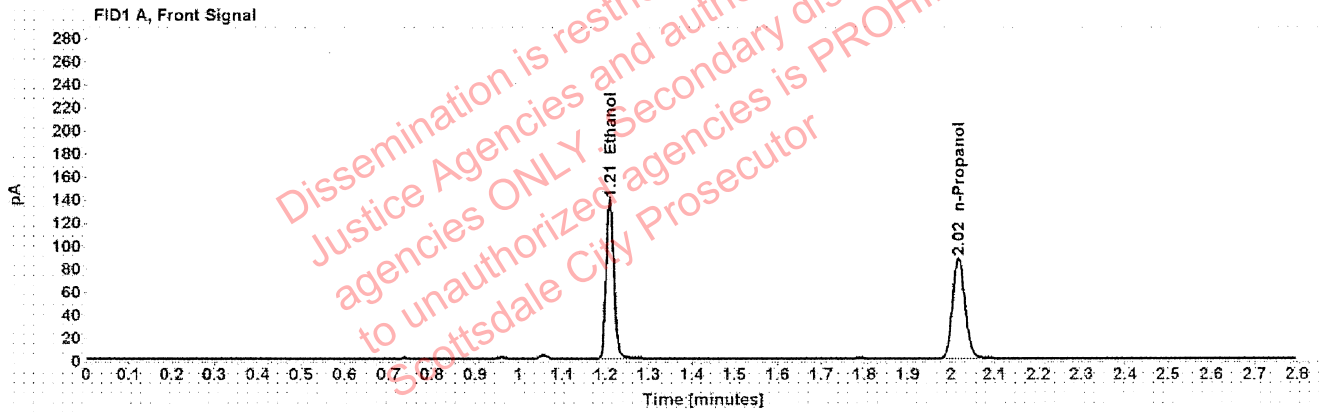


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2765	1.210	176.110
n-Propanol	-----	2.017	174.354

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.164
Ethanol	1.374	219.567
n-Propanol	2.468	214.789

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1356645	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:23:39 PM
Data file:	C:\Chem32\1\Data\10Feb21\37.D	Analyst:	Abbott

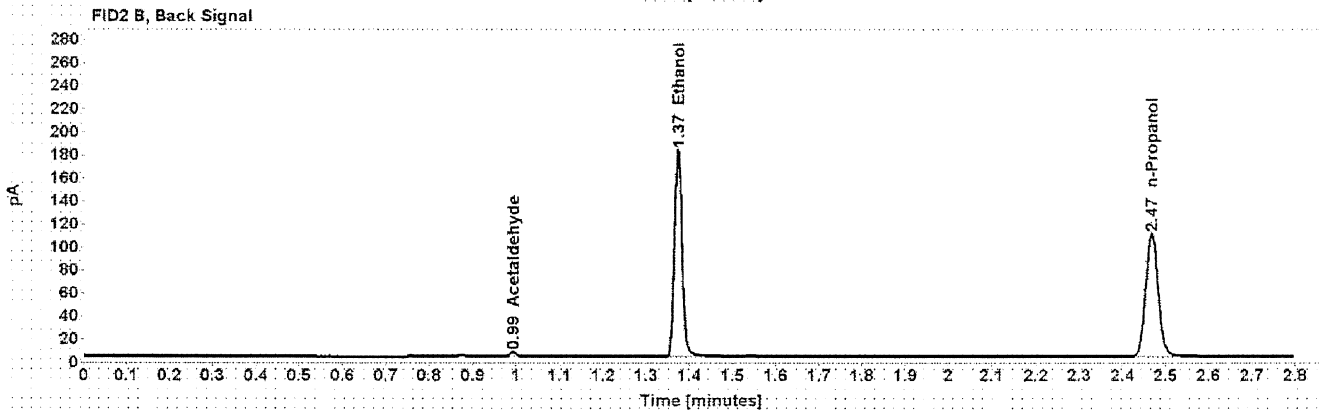
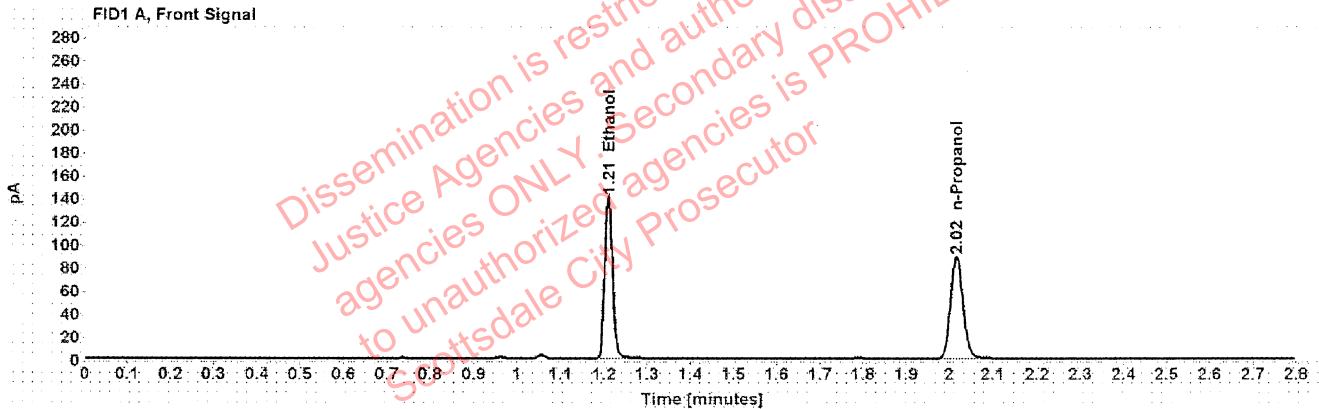


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2771	1.210	178.400
n-Propanol	-----	2.016	176.228

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.113
Ethanol	1.374	222.290
n-Propanol	2.468	216.853

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358729	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:27:39 PM
Data file:	C:\Chem32\1\Data\10Feb21\38.D	Analyst:	Abbott

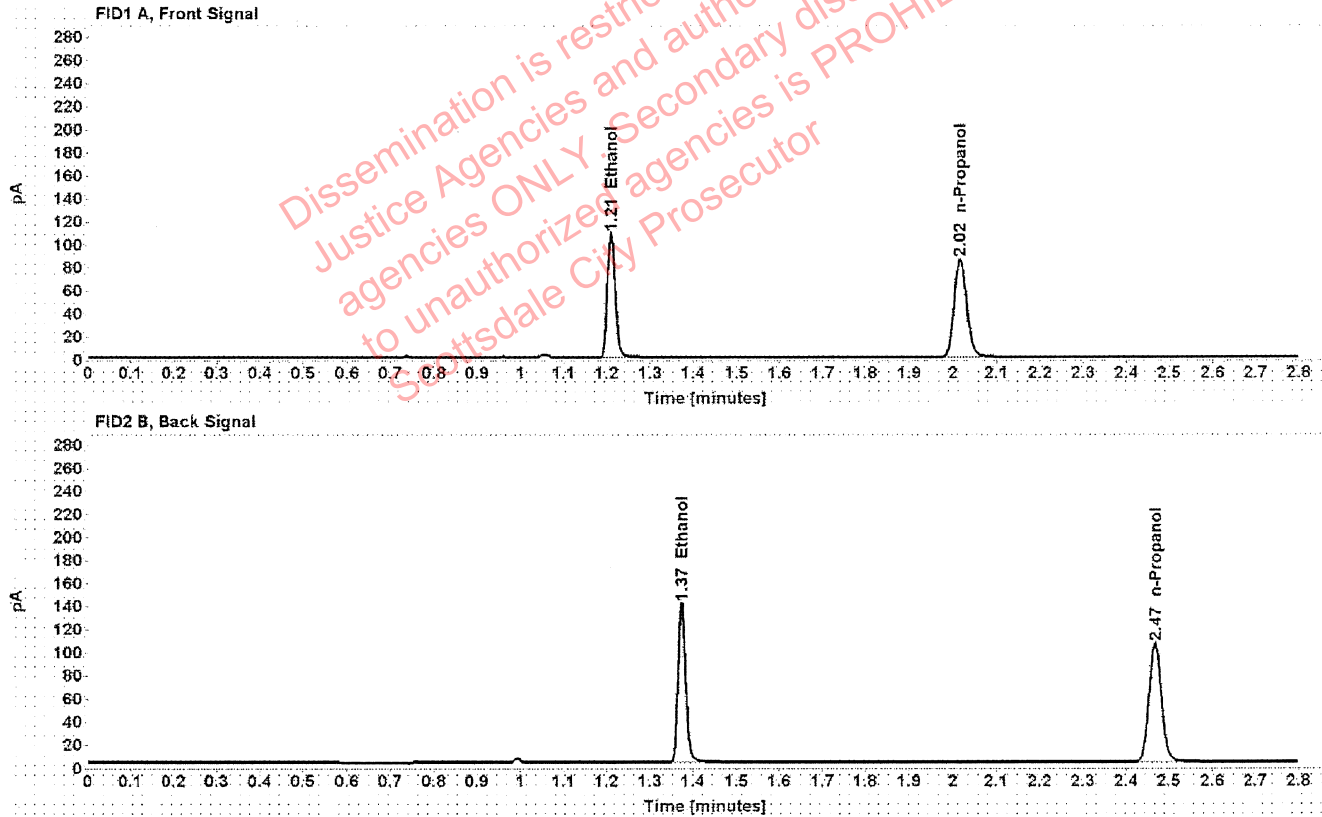


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2219	1.210	137.180
n-Propanol	-----	2.017	169.365

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

Compound	Time (min)	Peak Area
Ethanol	1.374	170.970
n-Propanol	2.468	208.236

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1358729	Vial:	39
Description:	[Redacted]	LIMS ID:	[Redacted]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:31:39 PM
Data file:	C:\Chem32\1\Data\10Feb21\39.D	Analyst:	Abbott

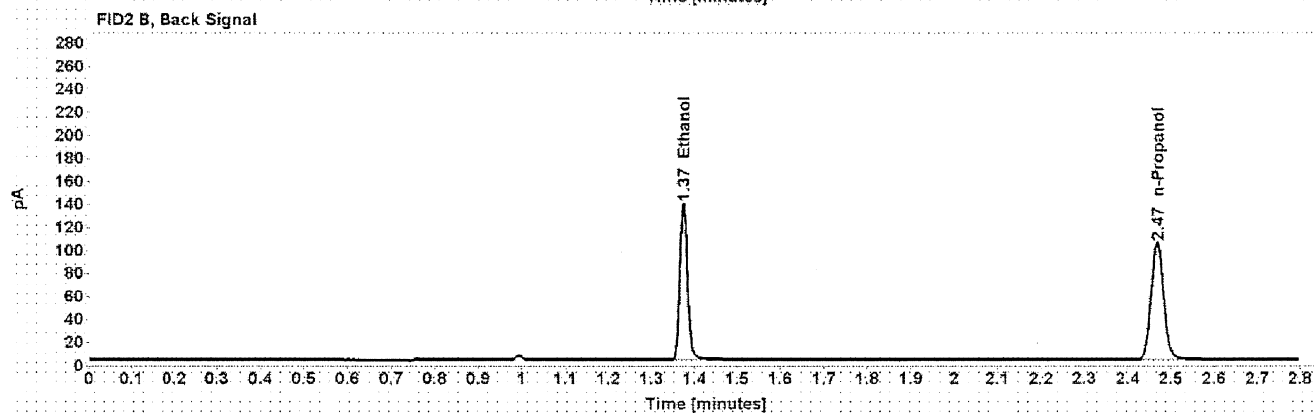
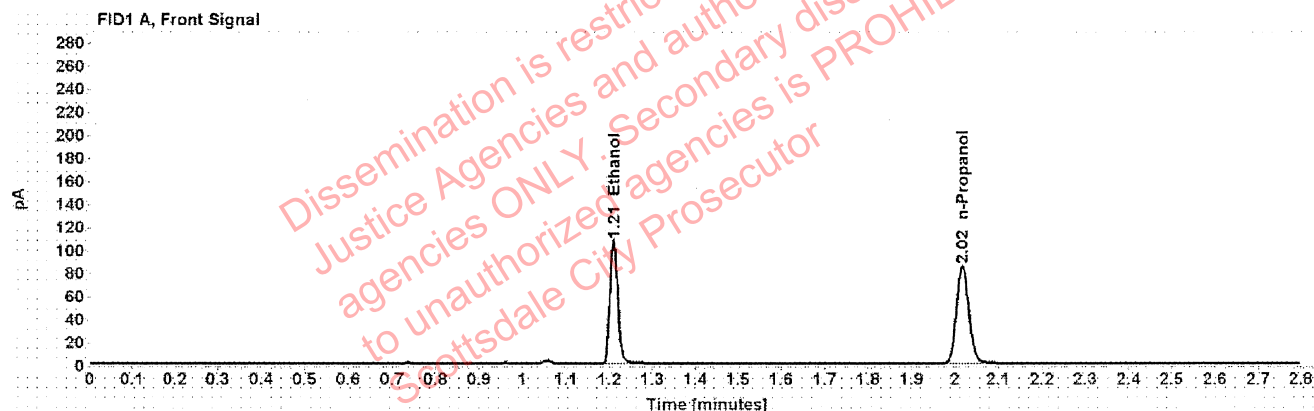


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2207	1.210	135.640
n-Propanol	-----	2.017	168.383

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

Compound	Time (min)	Peak Area
Ethanol	1.374	168.729
n-Propanol	2.468	206.703



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1359220	Vial:	40
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:35:39 PM
Data file:	C:\Chem32\1\Data\10Feb21\40.D	Analyst:	Abbott

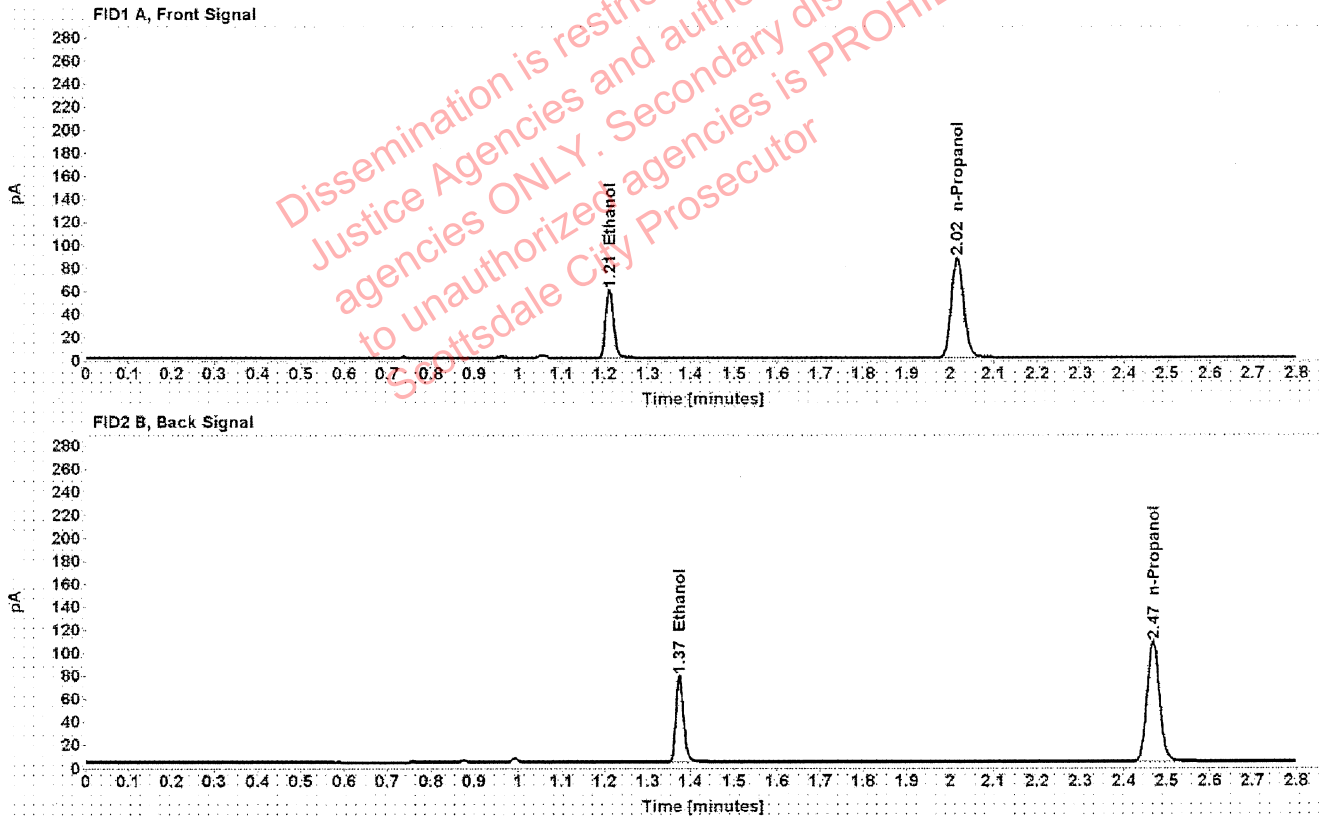


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1194	1.211	75.148
n-Propanol	-----	2.017	173.215

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

Compound	Time (min)	Peak Area
Ethanol	1.375	93.056
n-Propanol	2.468	212.793

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1359220	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Feb21
Instrument:	US14173023 CN14160045	Injection date:	2/10/2021 2:39:38 PM
Data file:	C:\Chem32\1\Data\10Feb21\41.D	Analyst:	Abbott

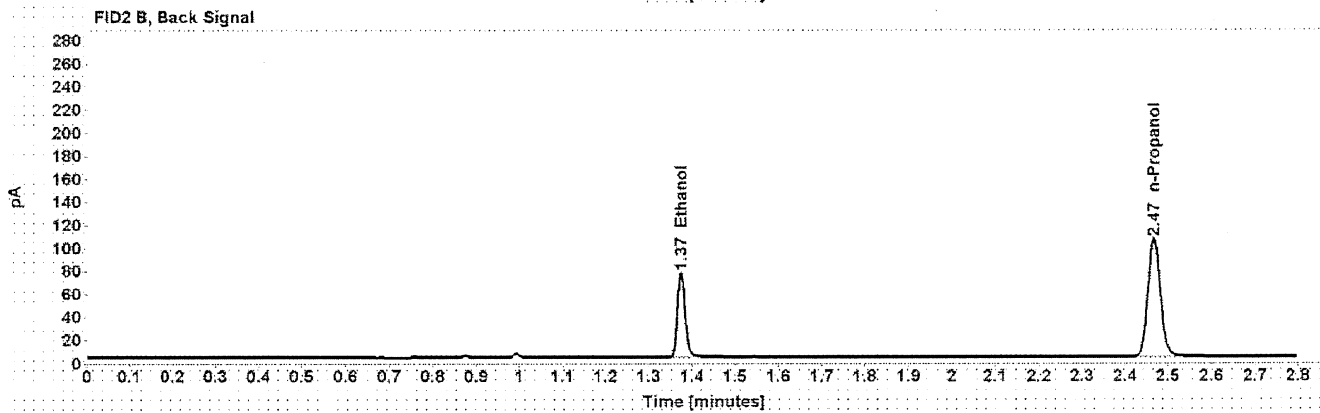
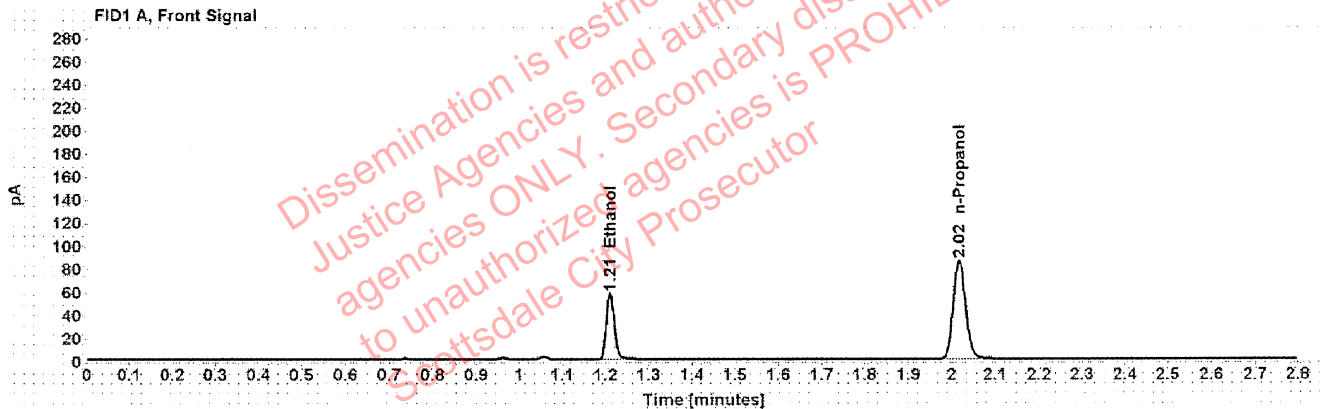


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1192	1.211	73.455
n-Propanol	-----	2.017	169.624

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

Compound	Time (min)	Peak Area
Ethanol	1.375	91.017
n-Propanol	2.468	208.602