

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 5/18/20 SEQUENCE NAME 18May20

**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 0.99992  
 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 mix	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.198 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	0.081 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.396 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	0.199 g/dL	ACQ 407041529/13
45	Blank	Not detected	Not detected	SPD lab 040919WB

**SUBJECT SAMPLES**

Subjects in the sequence 11 Subjects requiring reanalysis 0

**ADDITIONAL NOTES:** All testing proceeded as expected. The run also included four proficiency samples.

Run valid  Run invalid  Philo B... Analyst  
 Run valid  Run invalid  Erika Camarico Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

48

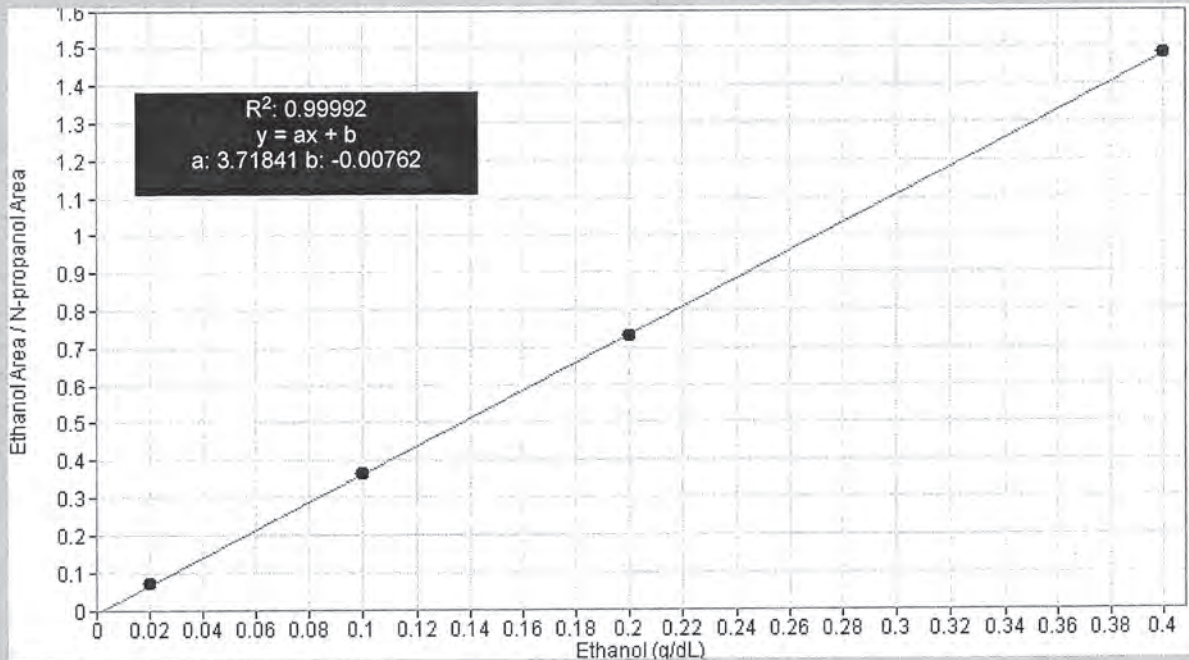
SEQUENCE NAME: 18May20

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 040720AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.399	0.400	0.25	-0.001
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.198 407041529/13	9	0.198	0.198	0.00	0.000
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	0.396	0.400	1.00	-0.004
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.198 407041529/13	44	0.199	0.198	0.51	0.001
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.854	165.227	0.072
0.100	60.170	166.069	0.362
0.200	120.042	164.569	0.729
0.400	250.789	169.076	1.483

### Calibration Line





# Scottsdale Police Department Crime Lab Volatiles Analysis

48B

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 18May20
Method: ethanol quant.M	Injection date: 5/18/2020 1:22:40 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\18May20\1.D	

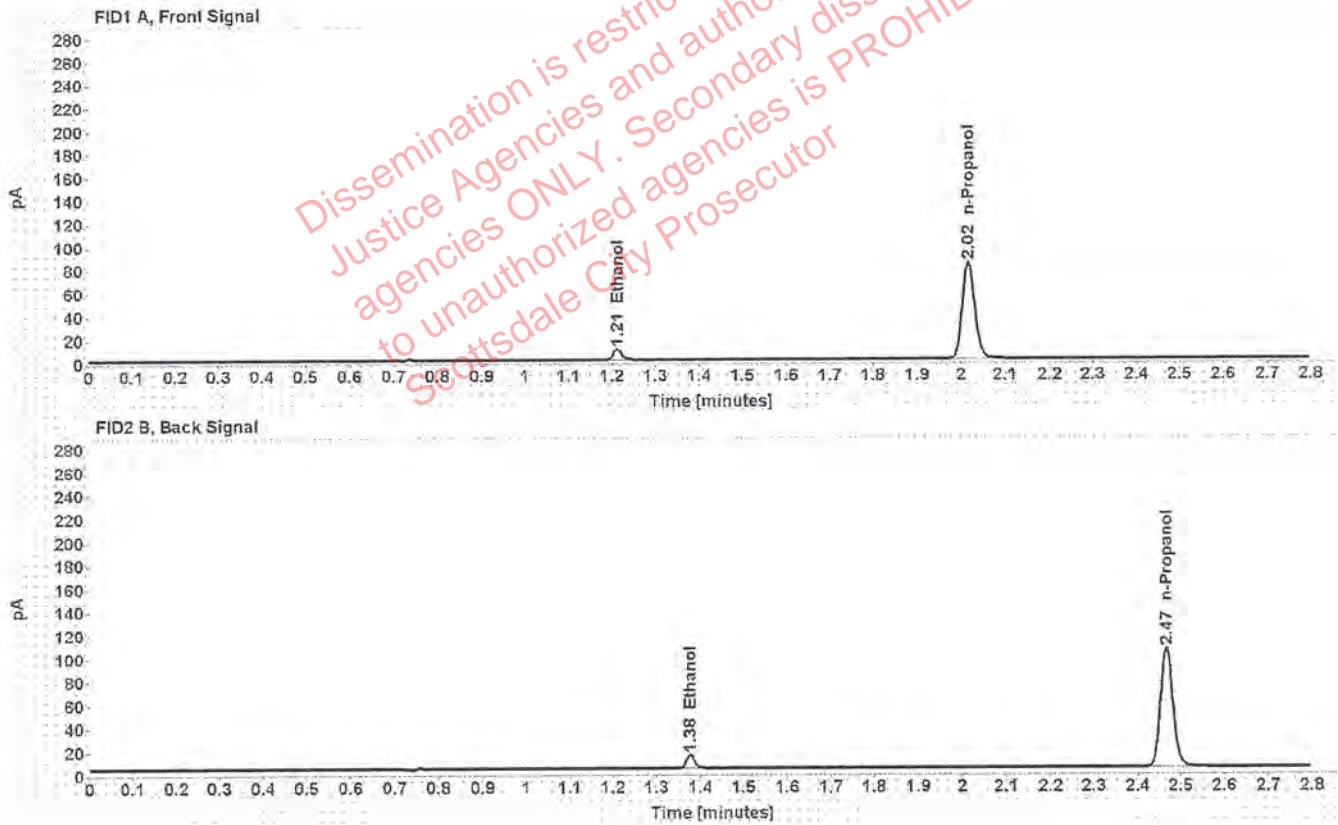


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.854
n-Propanol	2.016	165.227

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.706
n-Propanol	2.467	205.766

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 18May20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 5/18/2020 1:26:40 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke RB
<b>Data file:</b> C:\Chem32\1\Data\18May20\2.D	

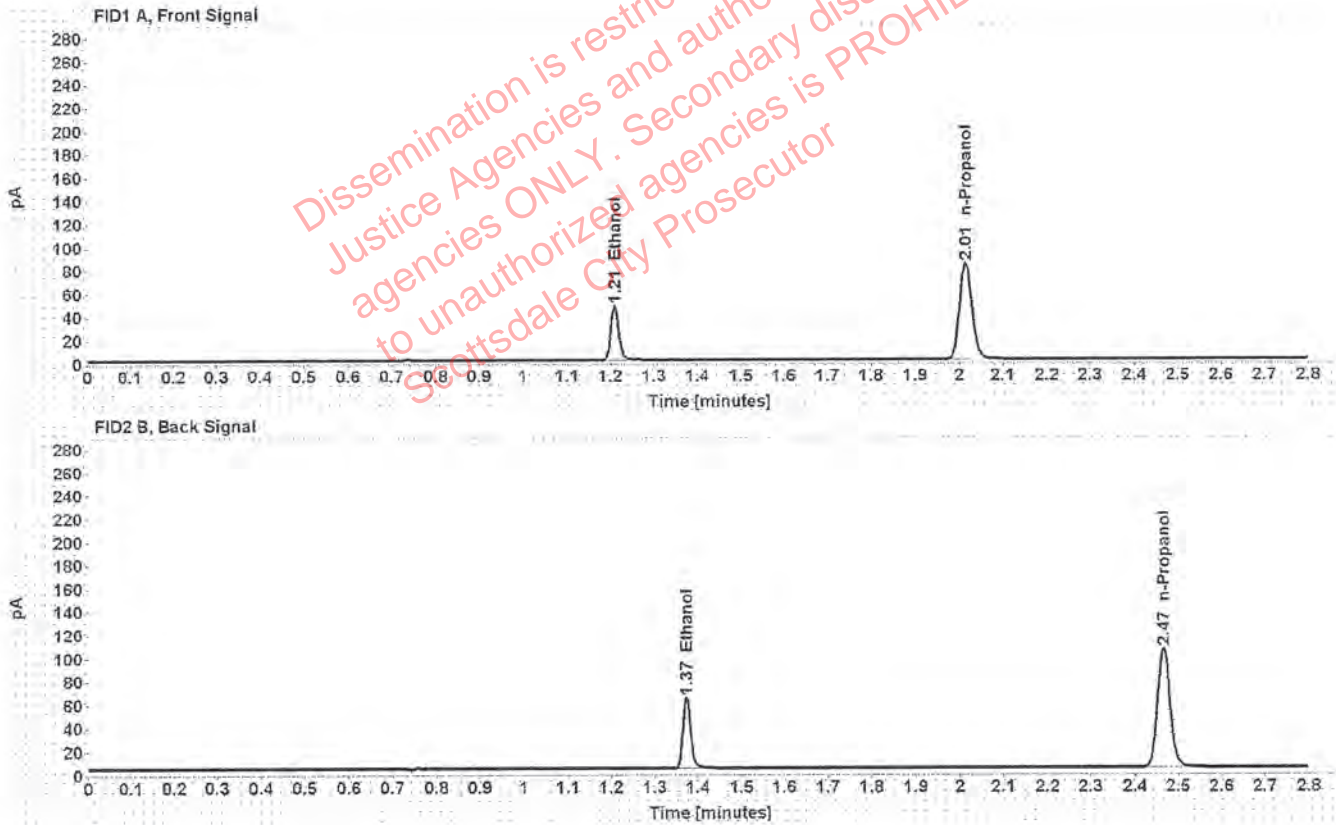


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	60.170
n-Propanol	2.015	166.069

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

Compound	Time (min)	Peak Area
Ethanol	1.373	75.203
n-Propanol	2.466	206.767

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 18May20
Method: ethanol quant.M	Injection date: 5/18/2020 1:30:39 PM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>FB</i>
Data file: C:\Chem32\11\Data\18May20\3.D	

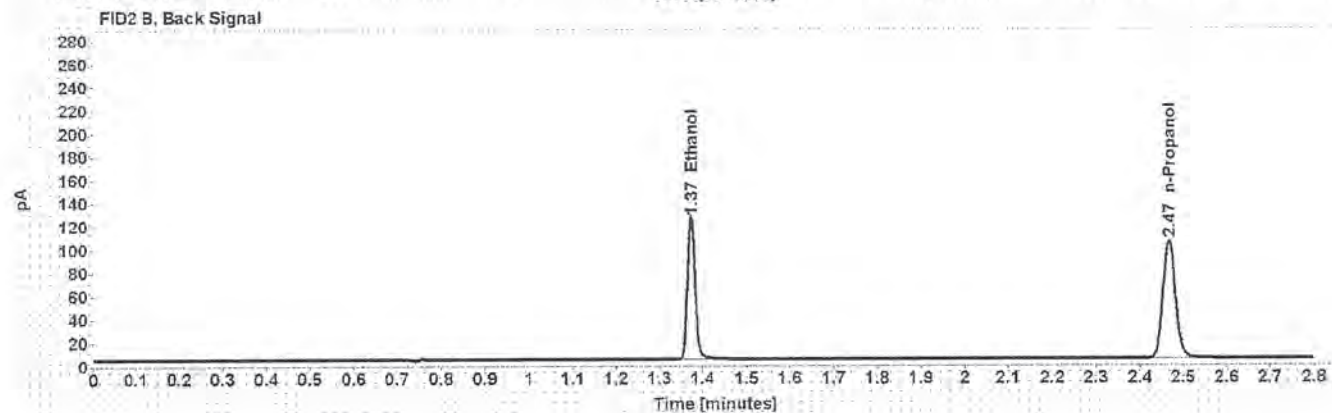
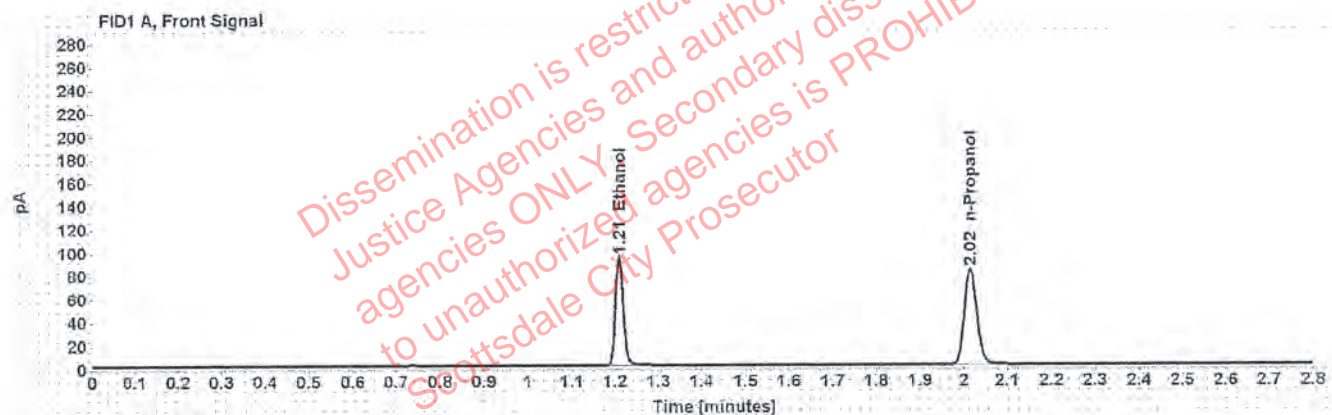


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.042
n-Propanol	2.015	164.569

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

Compound	Time (min)	Peak Area
Ethanol	1.373	150.717
n-Propanol	2.467	204.852

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 18May20
Method: ethanol quant.M	Injection date: 5/18/2020 1:34:40 PM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>YB</i>
Data file: C:\Chem32\1\Data\18May20\4.D	

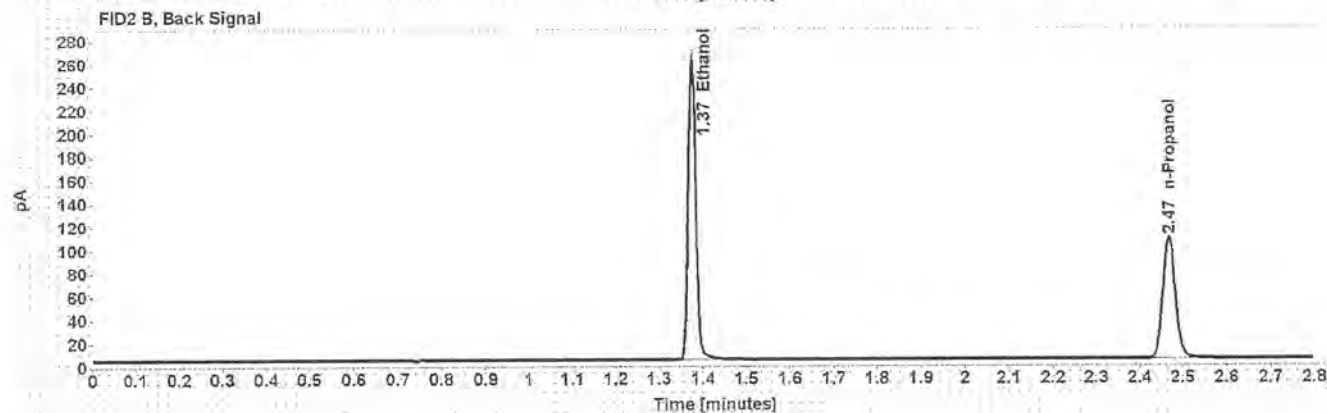
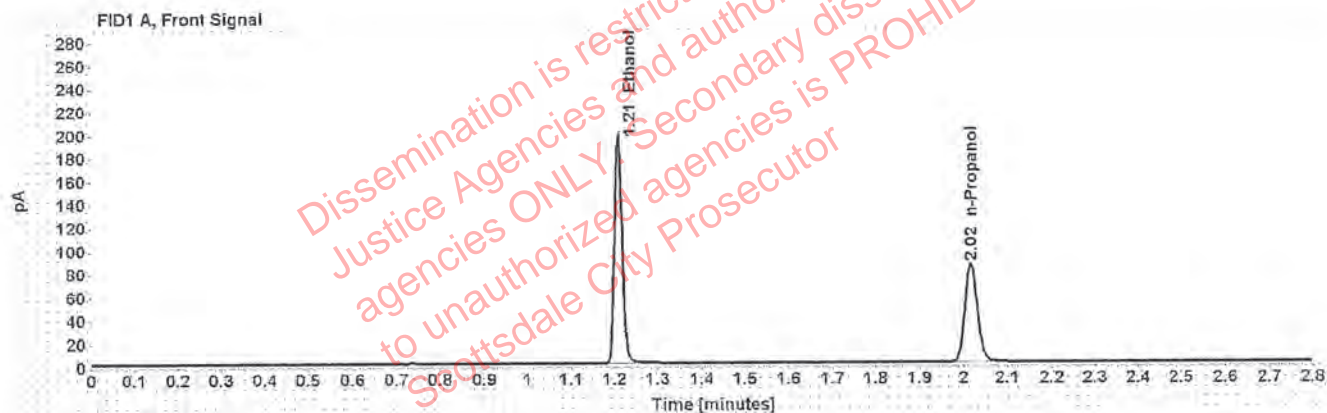


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	250.789
n-Propanol	2.016	169.076

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

Compound	Time (min)	Peak Area
Ethanol	1.375	315.531
n-Propanol	2.468	210.425



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040720AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 1:38:40 PM
Data file: C:\Chem32\1\Data\18May20\5.D	Analyst: Brooke <i>RB</i>

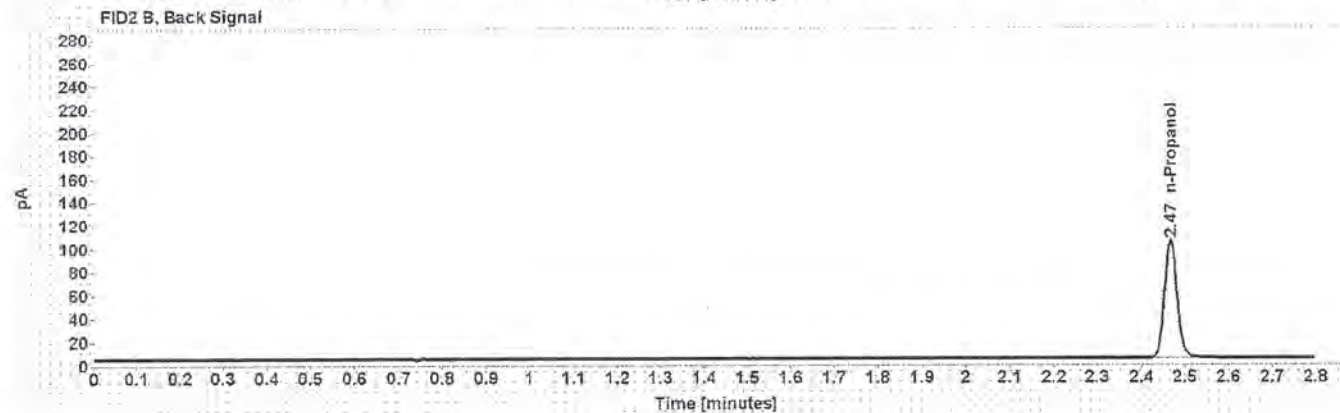


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	164.643

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	204.319

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 1:42:40 PM
Data file: C:\Chem32\1\Data\18May20\6.D	Analyst: Brooke <i>FB</i>

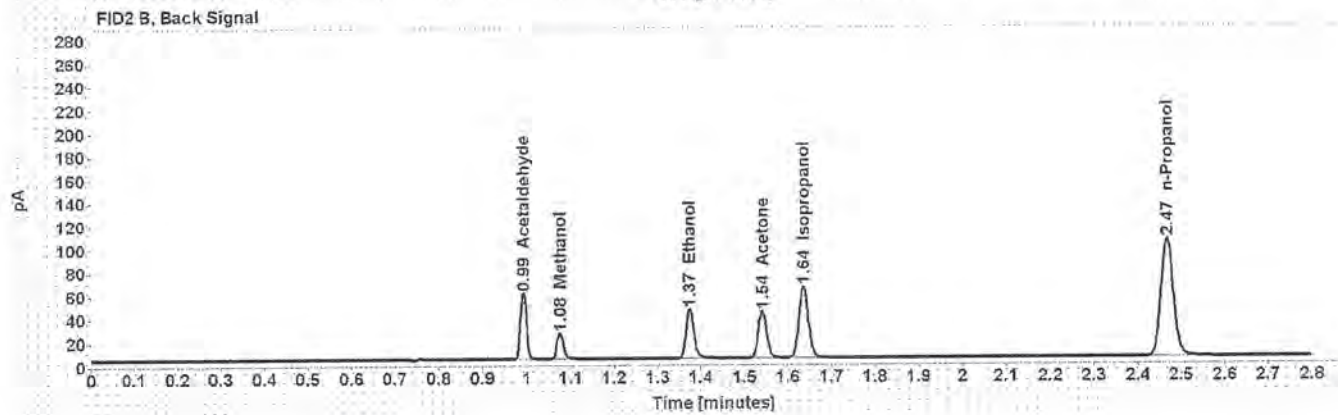
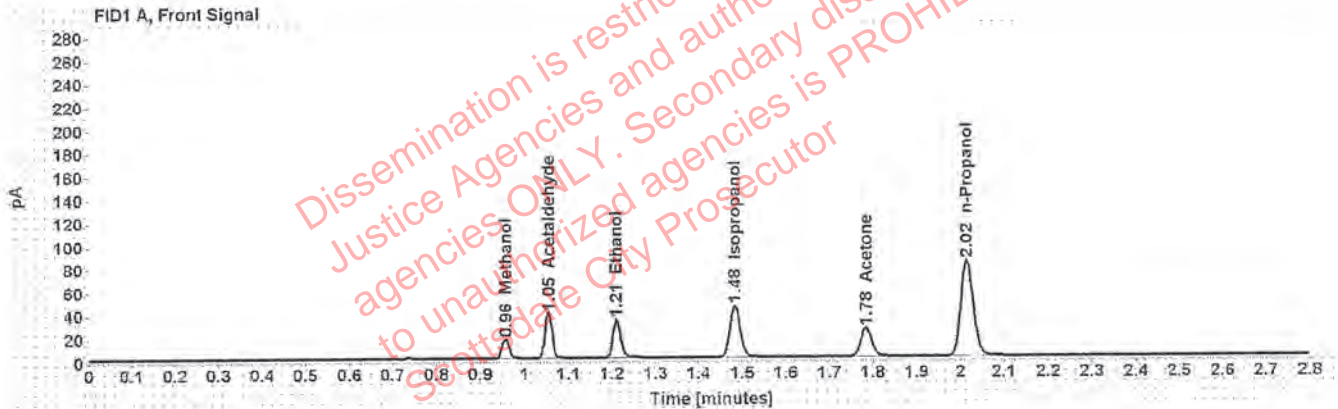


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.588
Acetaldehyde	-----	1.055	42.715
>Ethanol	0.0705	1.210	41.906
Isopropanol	-----	1.483	71.574
Acetone	-----	1.784	42.236
n-Propanol	-----	2.015	164.715

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	55.612
Methanol	1.076	23.805
Ethanol	1.375	52.242
Acetone	1.541	52.940
Isopropanol	1.636	92.463
n-Propanol	2.467	204.805



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 1:46:55 PM
Data file: C:\Chem32\1\Data\18May20\7.D	Analyst: Brooke <sup>FB</sup>

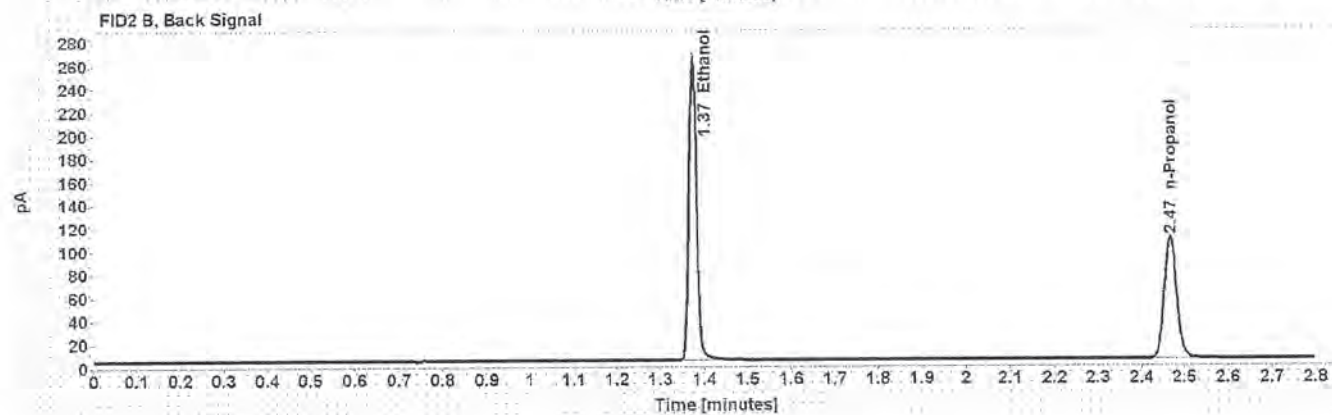
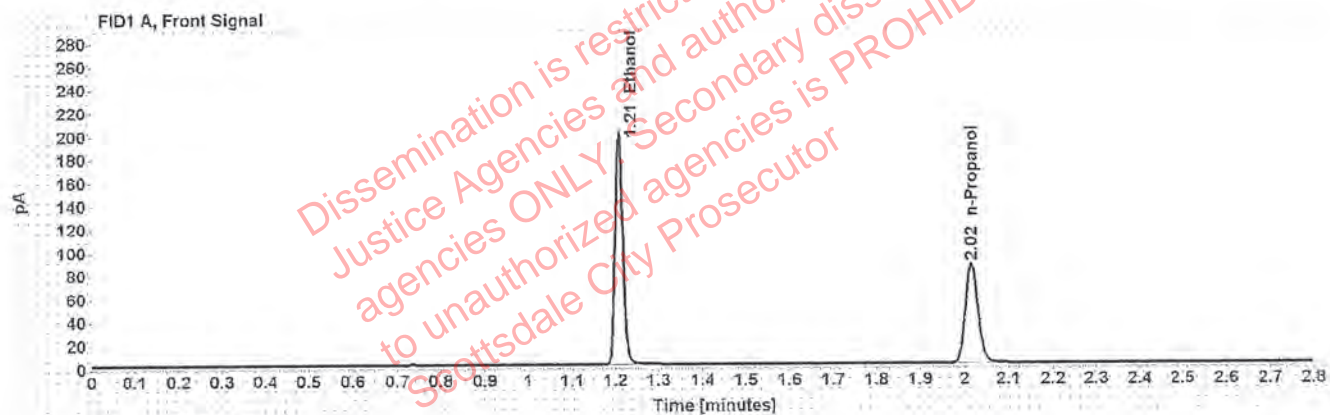


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3999	1.209	252.414
n-Propanol	-----	2.015	170.605

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

Compound	Time (min)	Peak Area
Ethanol	1.374	317.014
n-Propanol	2.467	212.355

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 1:50:55 PM
Data file: C:\Chem32\1\Data\18May20\8.D	Analyst: Brooke <i>103</i>

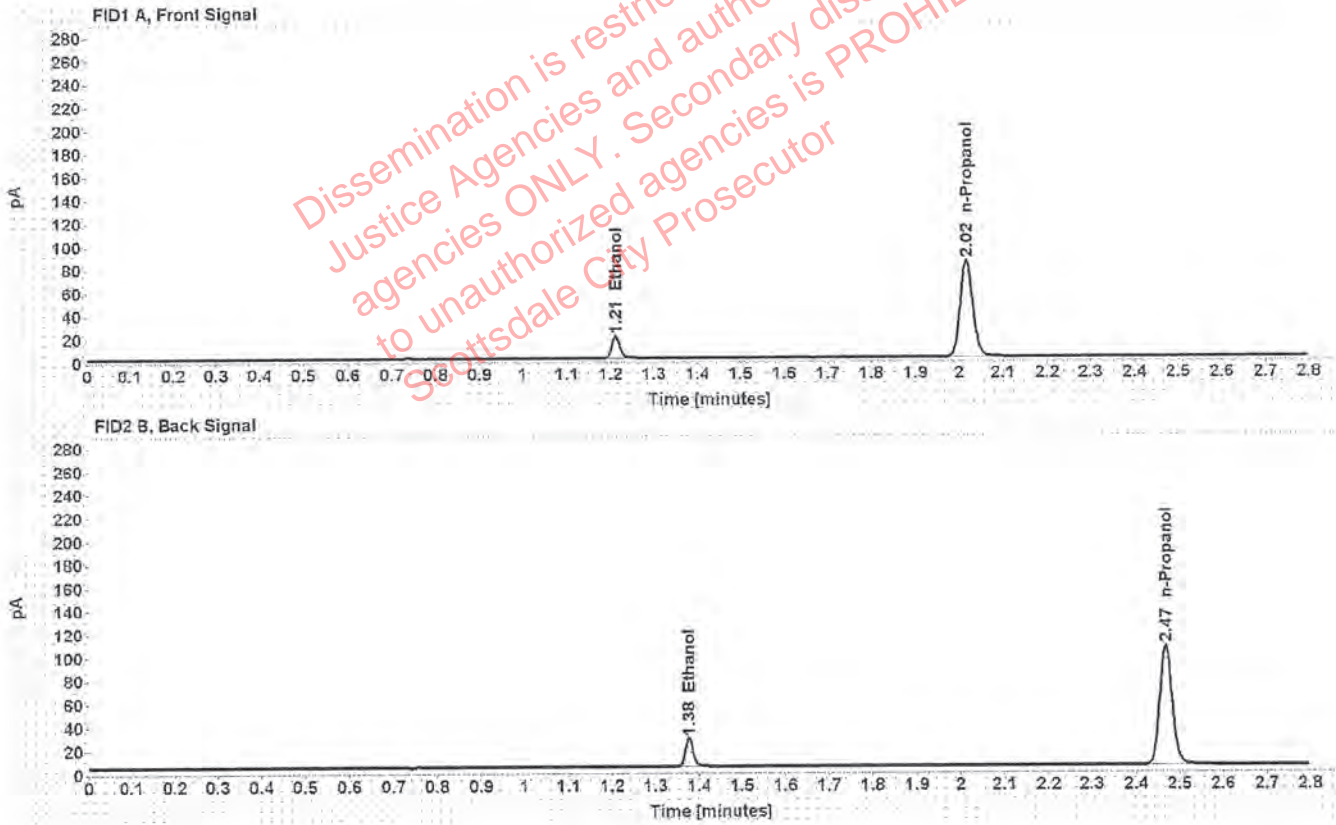


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0415	1.212	24.459
n-Propanol	-----	2.016	166.939

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

Compound	Time (min)	Peak Area
Ethanol	1.376	30.419
n-Propanol	2.468	207.155

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 1:54:55 PM
Data file: C:\Chem32\1\Data\18May20\9.D	Analyst: Brooke <i>AB</i>

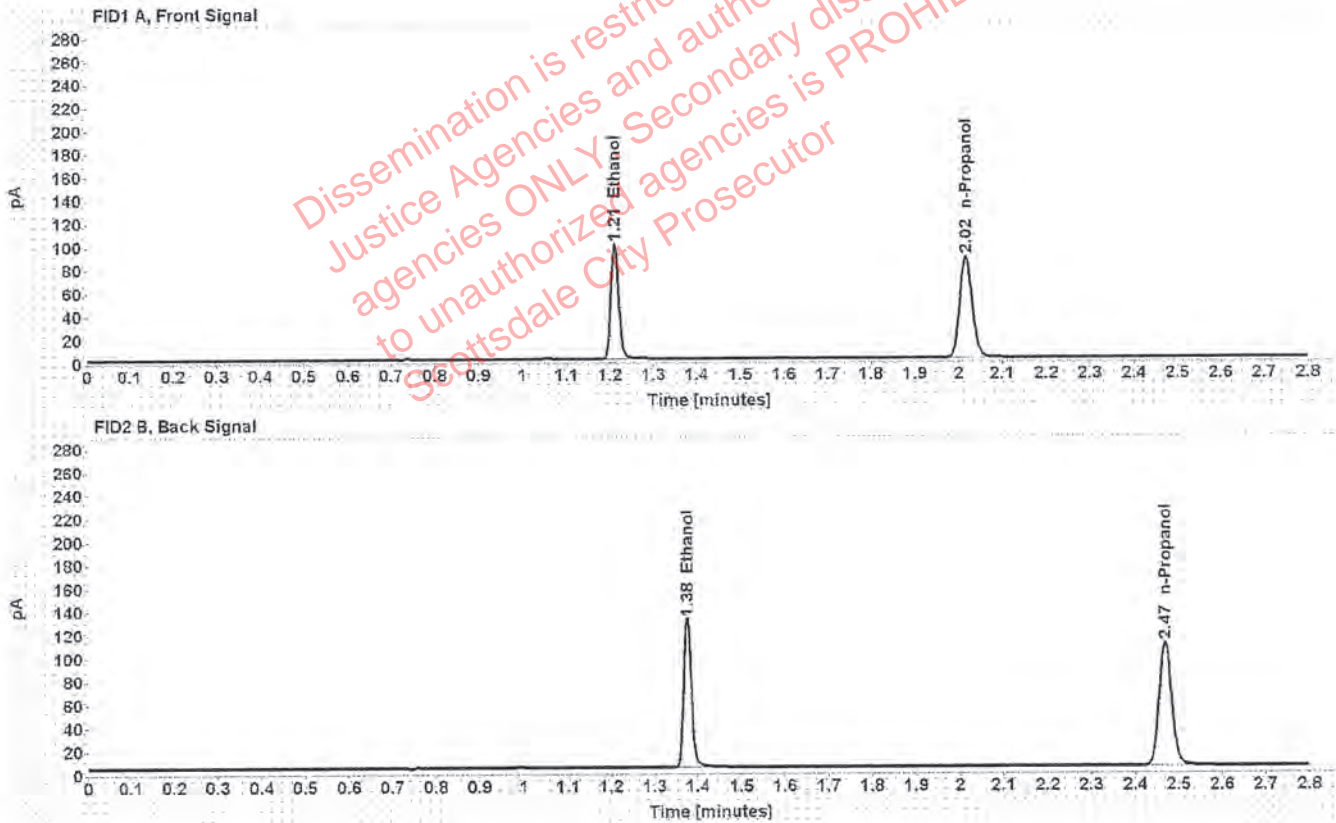


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1986	1.210	126.668
n-Propanol	-----	2.016	173.321

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

Compound	Time (min)	Peak Area
Ethanol	1.376	158.706
n-Propanol	2.469	215.233



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 2:39:25 PM
Data file: C:\Chem32\1\Data\18May20\20.D	Analyst: Brooke <i>BS</i>

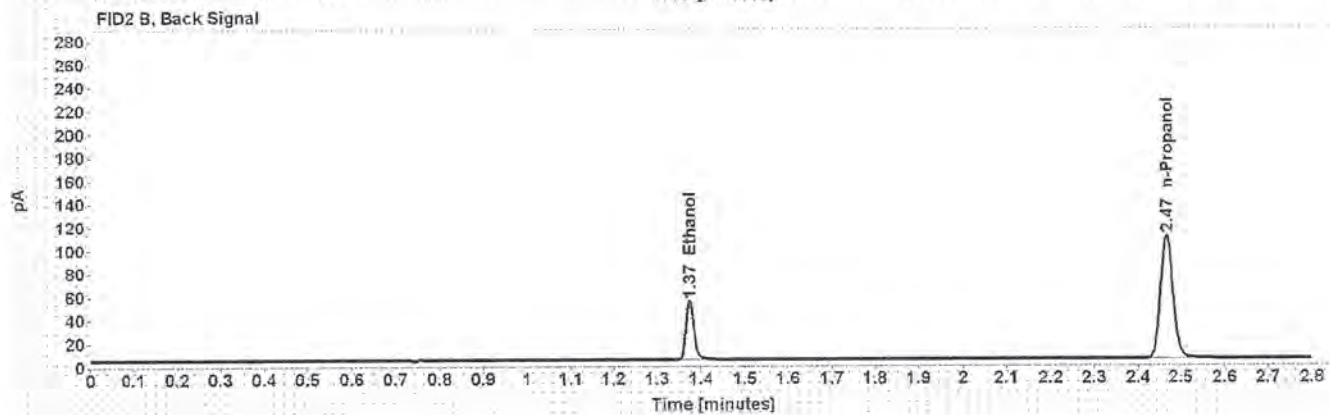
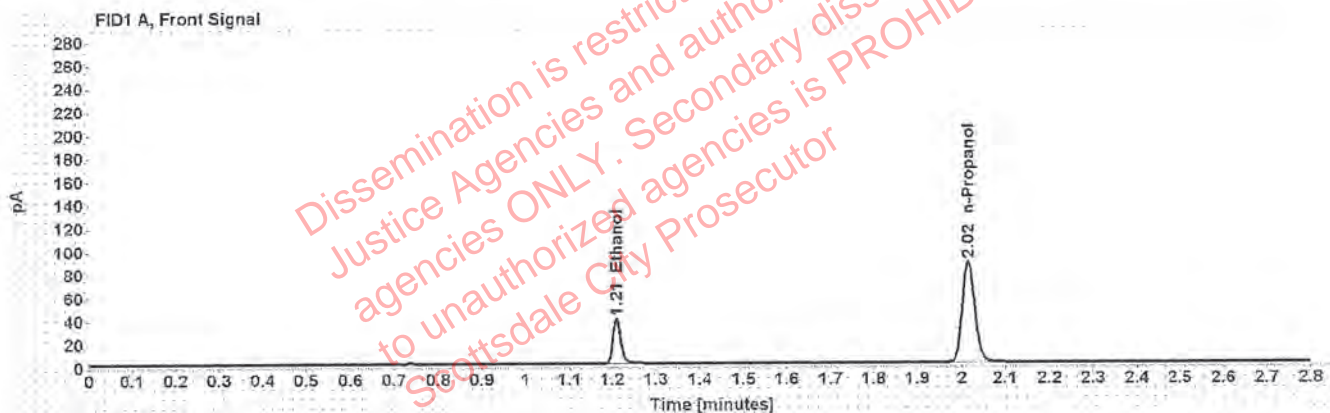


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0803	1.210	50.581
n-Propanol	-----	2.015	173.745

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.061
n-Propanol	2.467	215.302

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 3:23:55 PM
Data file: C:\Chem32\1\Data\18May20\31.D	Analyst: Brooke <i>RB</i>

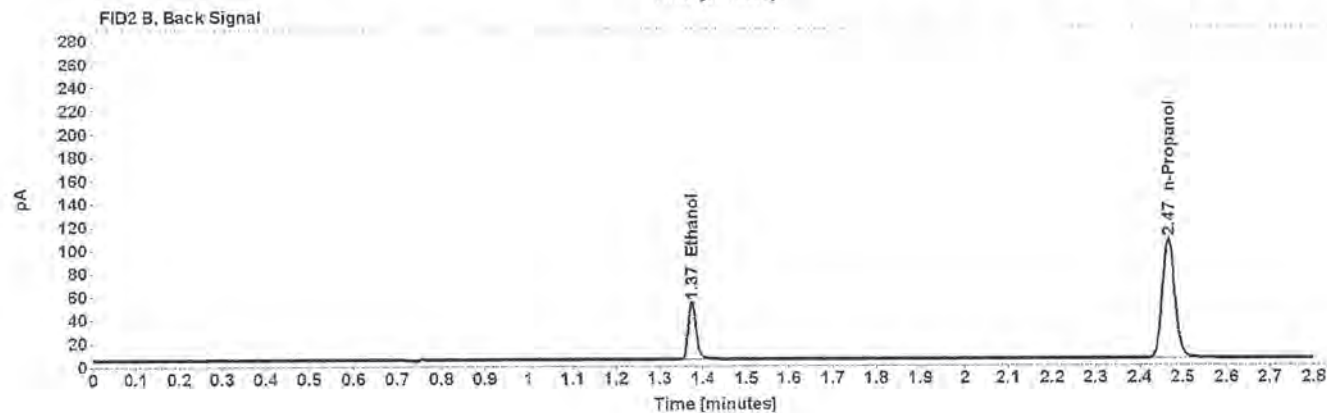
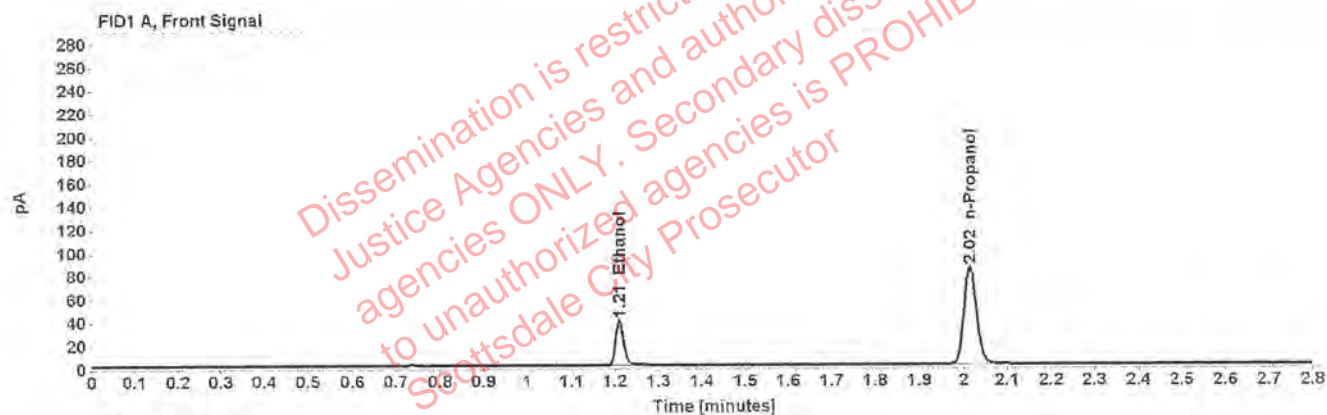


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0811	1.210	49.429
n-Propanol	-----	2.015	168.138

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.459
n-Propanol	2.467	207.797

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 4:08:10 PM
Data file: C:\Chem32\1\Data\18May20\42.D	Analyst: Brooke <i>PS</i>

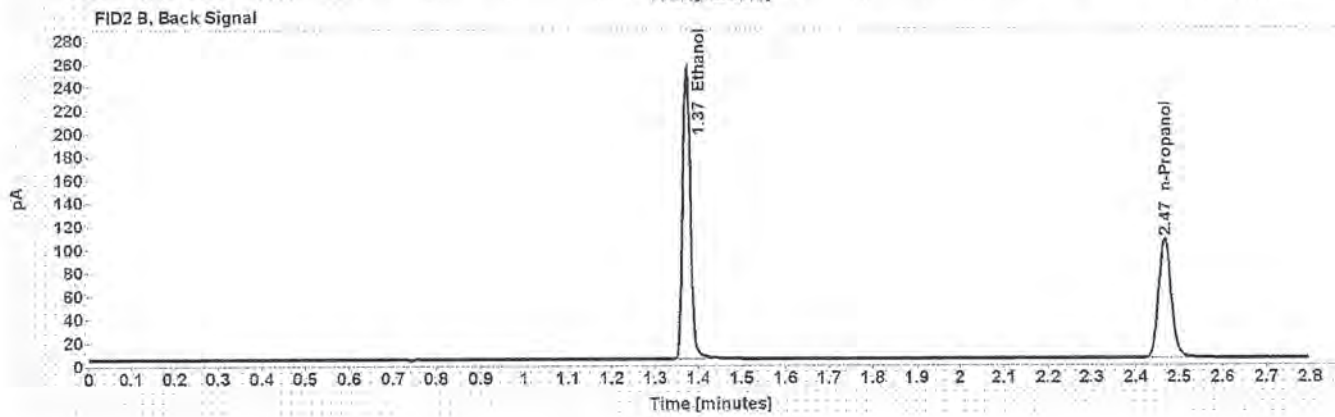
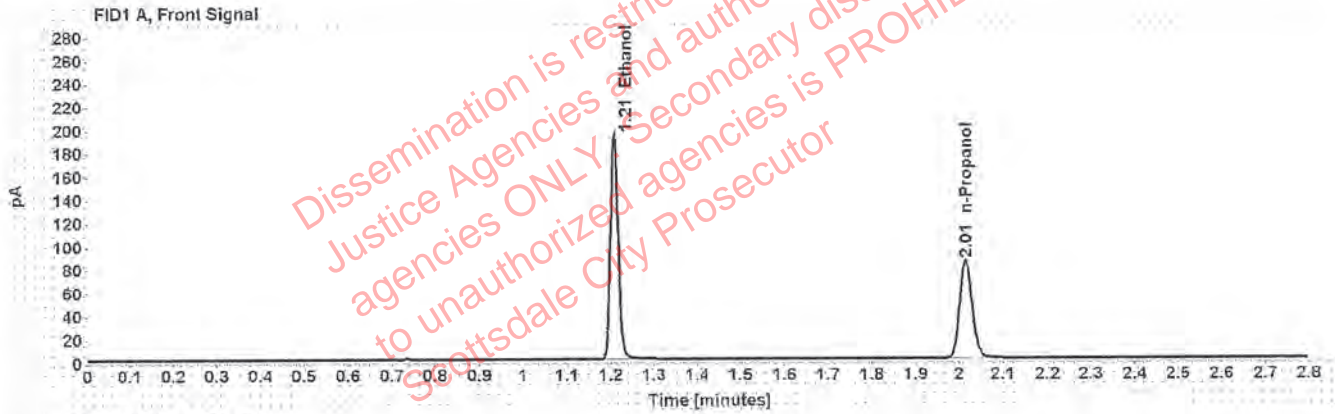


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3966	1.208	246.761
n-Propanol	-----	2.015	168.210

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

Compound	Time (min)	Peak Area
Ethanol	1.373	309.585
n-Propanol	2.466	208.247



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 4:12:25 PM
Data file: C:\Chem32\1\Data\18May20\43.D	Analyst: Brooke RB

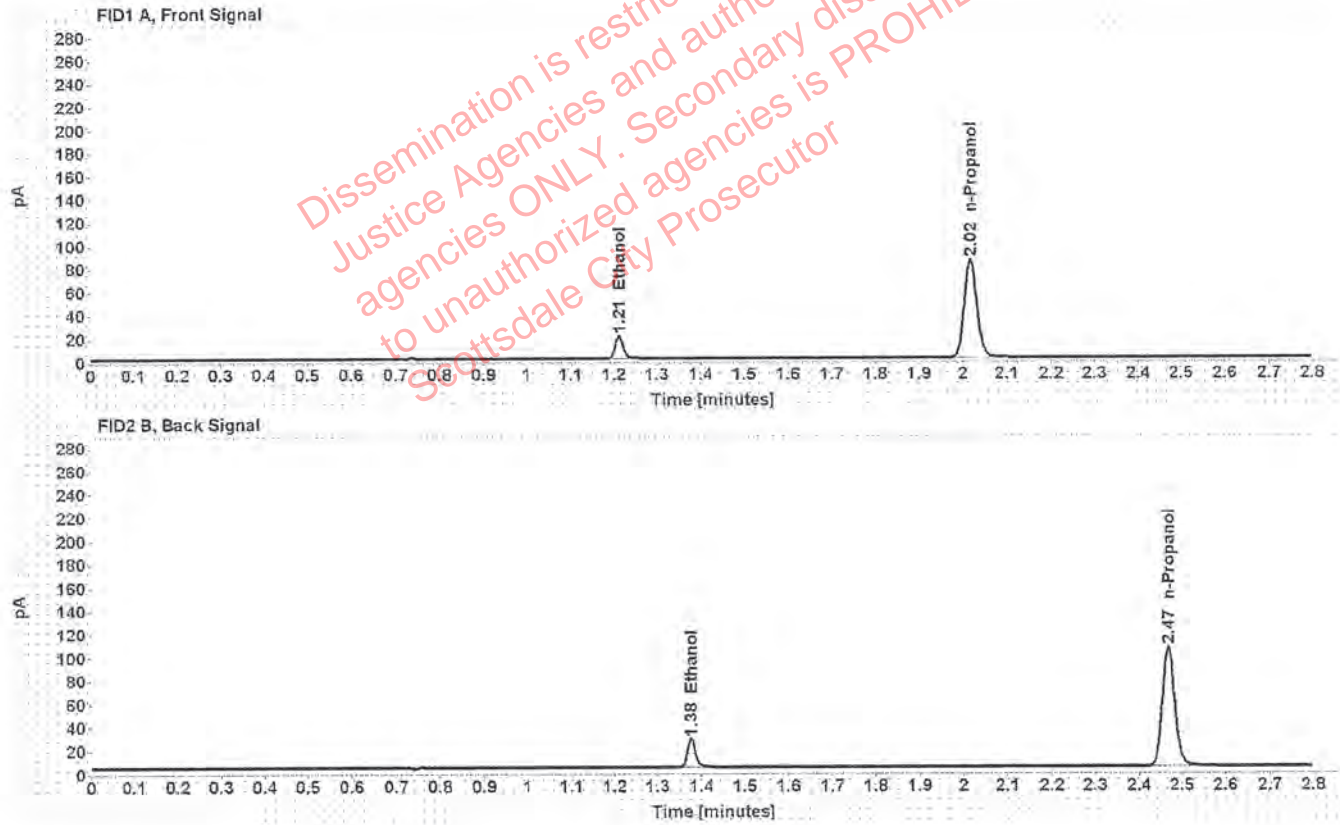


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0417	1.212	24.869
n-Propanol	-----	2.016	168.567

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

Compound	Time (min)	Peak Area
Ethanol	1.376	30.910
n-Propanol	2.468	207.855

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 4:16:25 PM
Data file: C:\Chem32\1\Data\18May20\44.D	Analyst: Brooke <i>RB</i>

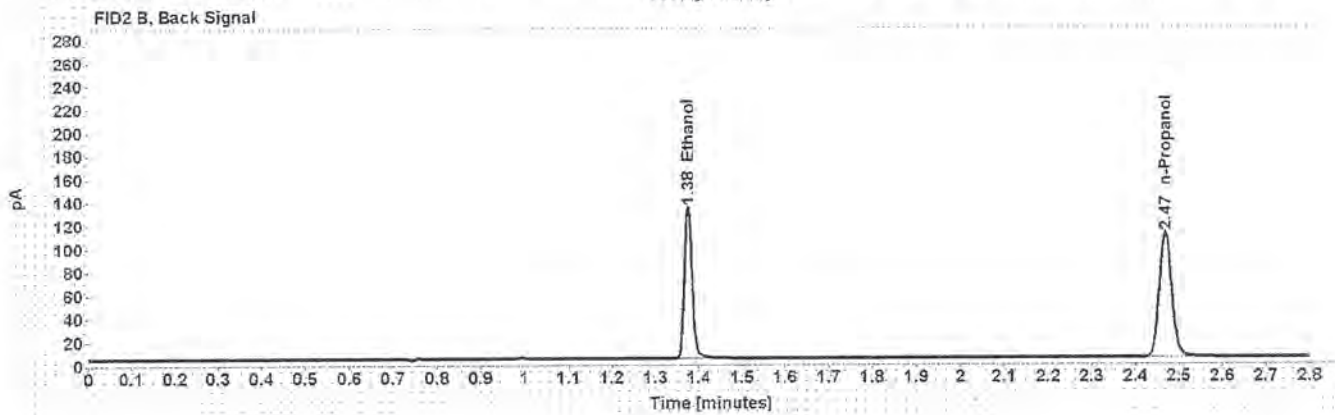
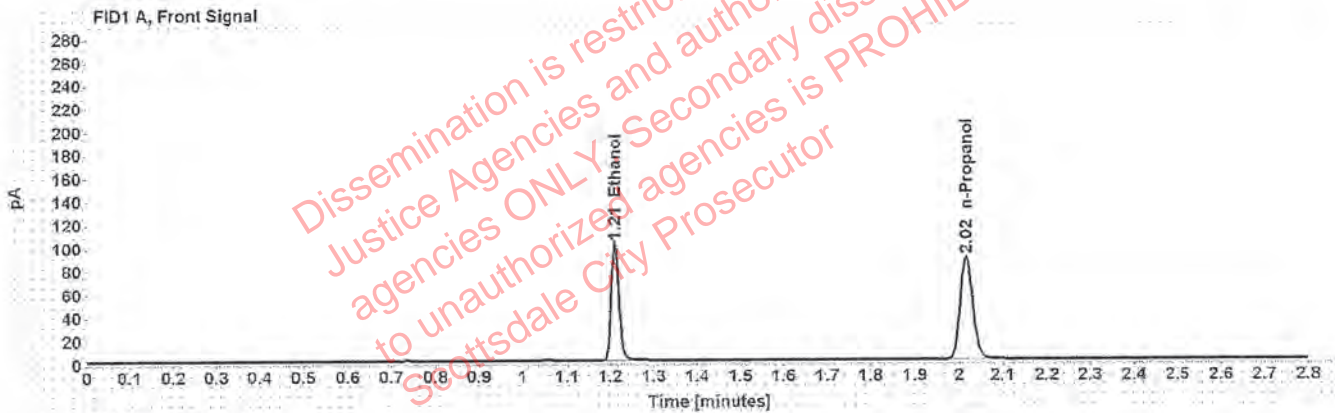


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1994	1.210	129.282
n-Propanol	-----	2.016	176.177

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

Compound	Time (min)	Peak Area
Ethanol	1.376	161.791
n-Propanol	2.469	217.779

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 4:20:25 PM
Data file: C:\Chem32\1\Data\18May20\45.D	Analyst: Brooke <i>MB</i>

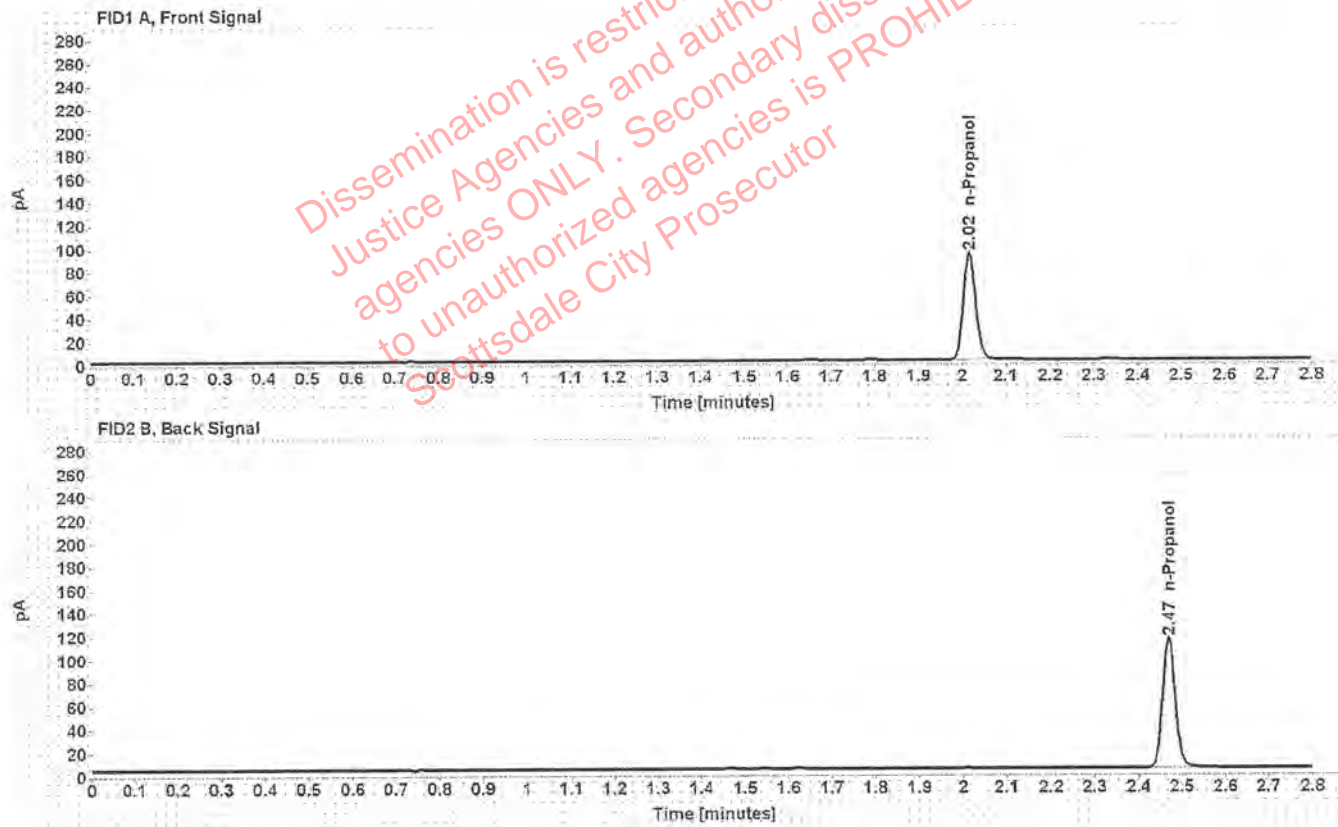


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	182.945

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	226.675



# Sequence Summary

Sequence name: 18May20      Instrument: US14173023 CN14160045      Analyst: Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	040720AQ	Negative	Control		ethanol quant.M
6	070819MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1315932		Sample		ethanol quant.M
11	1315932		Sample		ethanol quant.M
12	VIAL297		Sample		ethanol quant.M
13	VIAL297		Sample		ethanol quant.M
14	VIAL225		Sample		ethanol quant.M
15	VIAL225		Sample		ethanol quant.M
16	VIAL197		Sample		ethanol quant.M
17	VIAL197		Sample		ethanol quant.M
18	VIAL147		Sample		ethanol quant.M
19	VIAL147		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1319510		Sample		ethanol quant.M
22	1319510		Sample		ethanol quant.M
23	1311460		Sample		ethanol quant.M
24	1311460		Sample		ethanol quant.M
25	1319520		Sample		ethanol quant.M
26	1319520		Sample		ethanol quant.M
27	1320240		Sample		ethanol quant.M
28	1320240		Sample		ethanol quant.M
29	1320312		Sample		ethanol quant.M
30	1320312		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1320310		Sample		ethanol quant.M
33	1320310		Sample		ethanol quant.M
34	32601EW		Sample		ethanol quant.M
35	32601EW		Sample		ethanol quant.M
36	28801JU		Sample		ethanol quant.M
37	28801JU		Sample		ethanol quant.M
38	1314408		Sample		ethanol quant.M
39	1314408		Sample		ethanol quant.M
40	1318822		Sample		ethanol quant.M
41	1318822		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

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

PB

SEQUENCE NAME: 18May20

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1447	0.1436	0.14415	0.38	0.00055
12 13	0.3014	0.3033	0.30235	0.31	0.00095
14 15	0.1545	0.1522	0.15335	0.75	0.00115
16 17	0.1230	0.1236	0.12330	0.24	0.00030
18 19	0.0428	0.0439	0.04335	1.27	0.00055
21 22	0.2262	0.2274	0.22680	0.26	0.00060
23 24	0.1103	0.1116	0.11095	0.59	0.00065
25 26	0.2279	0.2277	0.22780	0.04	0.00010
27 28	0.0356	0.0352	0.03540	0.56	0.00020
29 30	0.2386	0.2393	0.23895	0.15	0.00035
32 33	0.0622	0.0622	0.06220	0.00	0.00000
34 35	0.2014	0.1998	0.20060	0.40	0.00080
36 37	0.2116	0.2121	0.21185	0.12	0.00025
38 39	0.2569	0.2542	0.25555	0.53	0.00135
40 41	0.2311	0.2350	0.23305	0.84	0.00195

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







### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315932	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 1:58:55 PM
Data file:	C:\Chem32\1\Data\18May20\10.D	Analyst:	Brooke

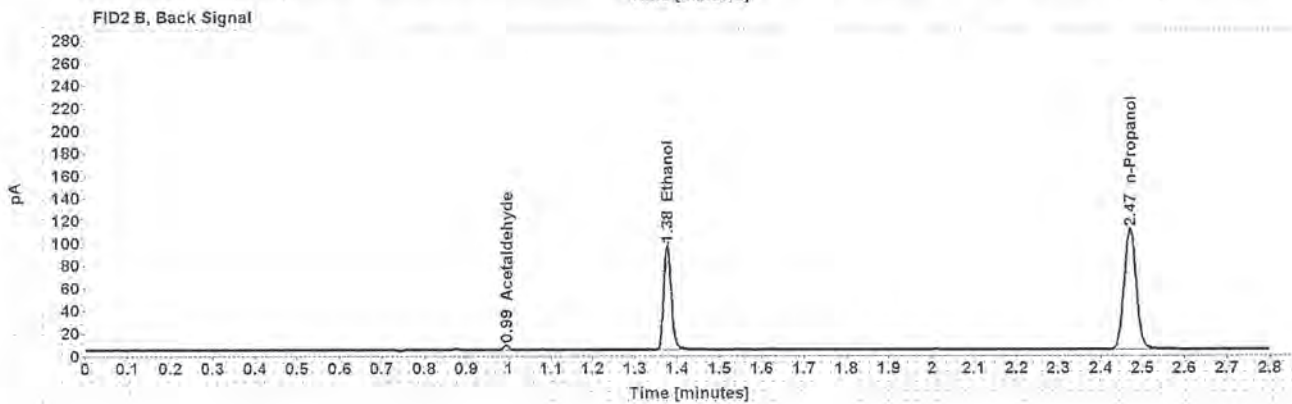
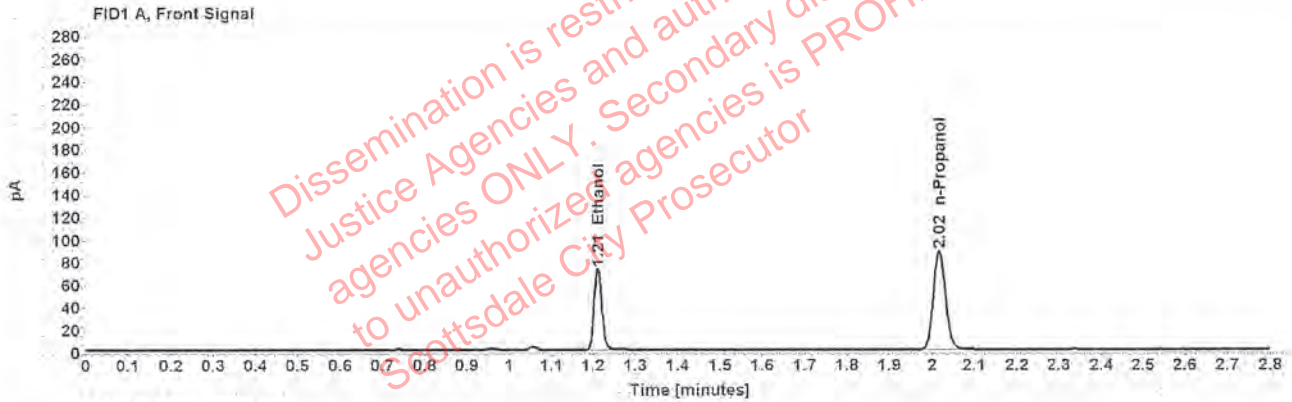


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1447	1.211	92.523
n-Propanol	-----	2.017	174.434

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.049
Ethanol	1.376	114.875
n-Propanol	2.469	216.417

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315932	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:02:54 PM
Data file:	C:\Chem32\1\Data\18May20\11.D	Analyst:	Brooke

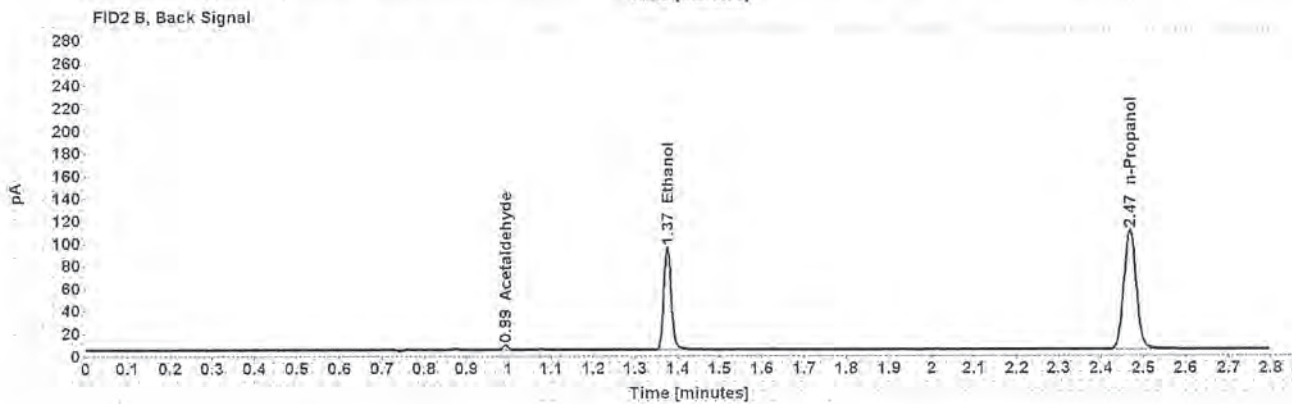
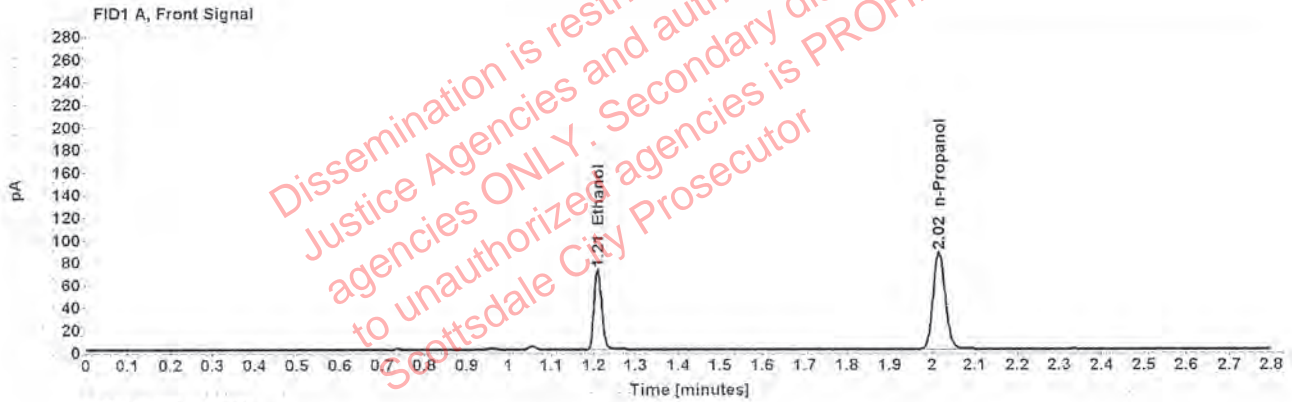


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1436	1.210	90.801
n-Propanol	-----	2.015	172.546

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.203
Ethanol	1.374	113.007
n-Propanol	2.467	214.133

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL147	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:31:10 PM
Data file:	C:\Chem32\1\Data\18May20\18.D	Analyst:	Brooke

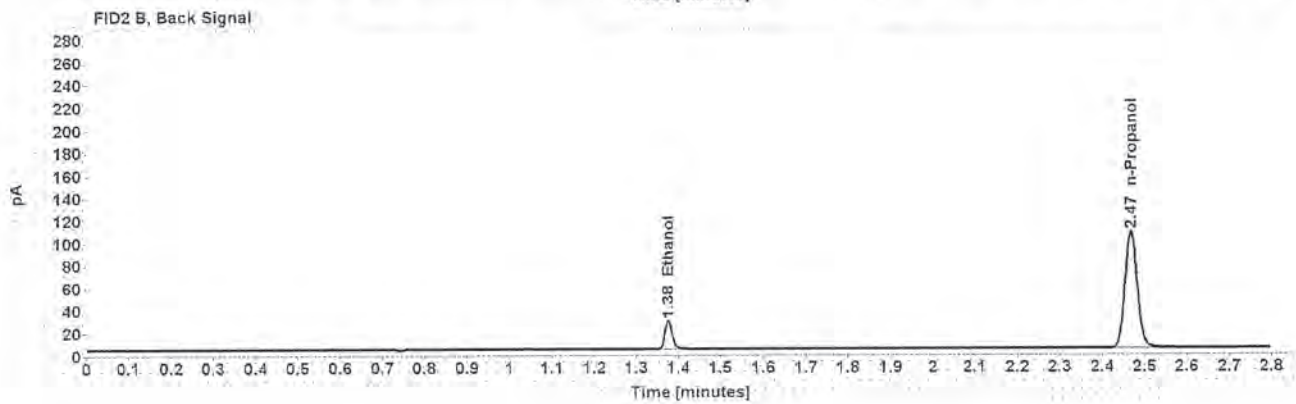
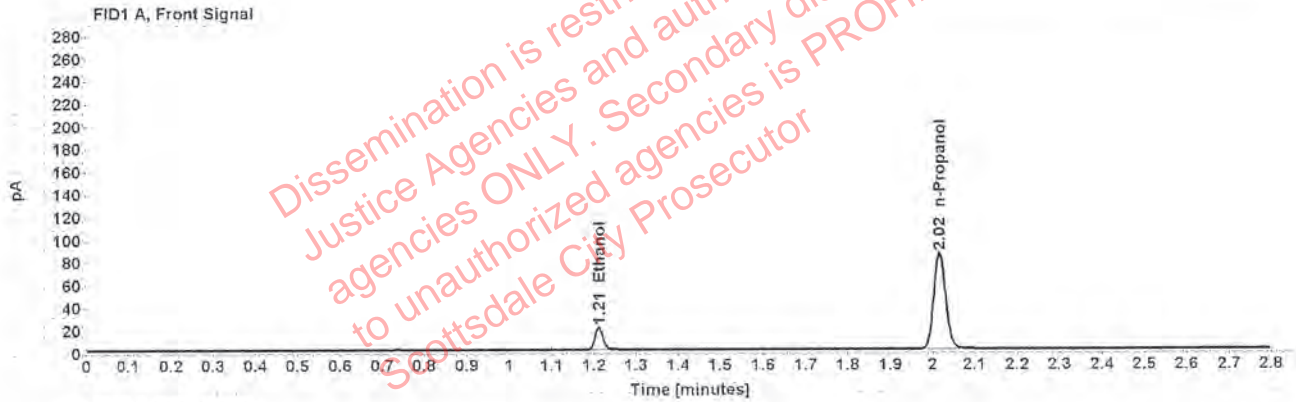


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0428	1.211	25.758
n-Propanol	-----	2.016	169.874

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

Compound	Time (min)	Peak Area
Ethanol	1.375	32.005
n-Propanol	2.468	210.357



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL147	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:35:25 PM
Data file:	C:\Chem32\1\Data\18May20\19.D	Analyst:	Brooke

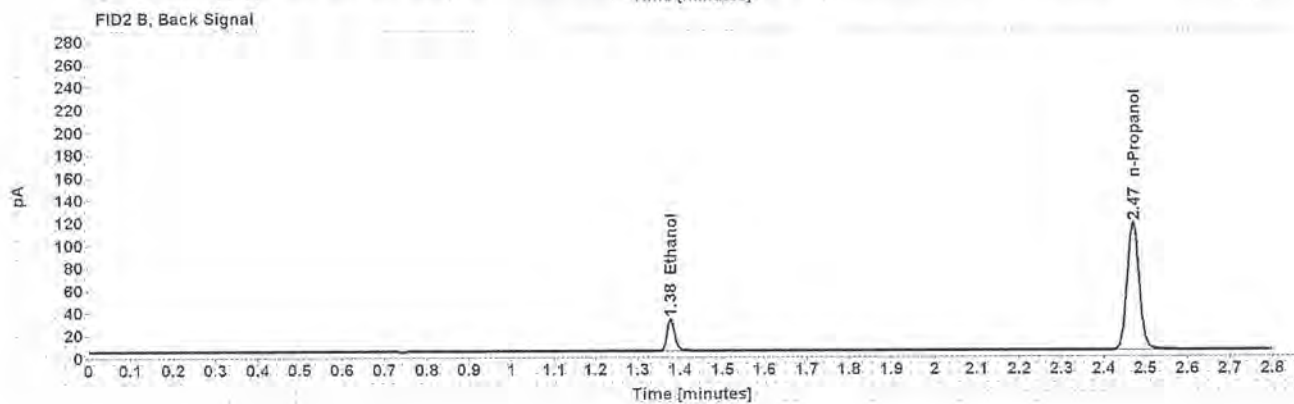
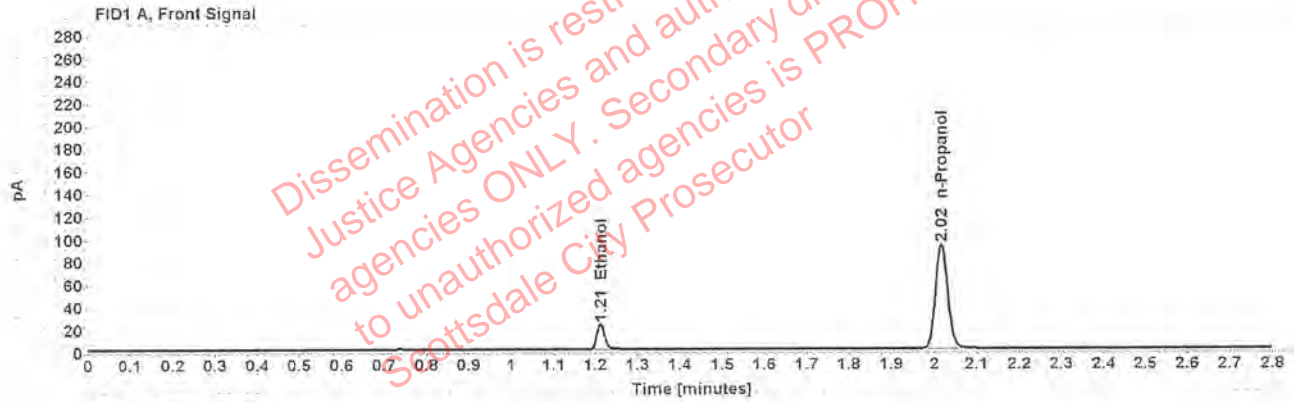


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0439	1.212	28.743
n-Propanol	-----	2.017	184.838

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

Compound	Time (min)	Peak Area
Ethanol	1.377	35.595
n-Propanol	2.469	228.749

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL197	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:23:10 PM
Data file:	C:\Chem32\1\Data\18May20\16.D	Analyst:	Brooke

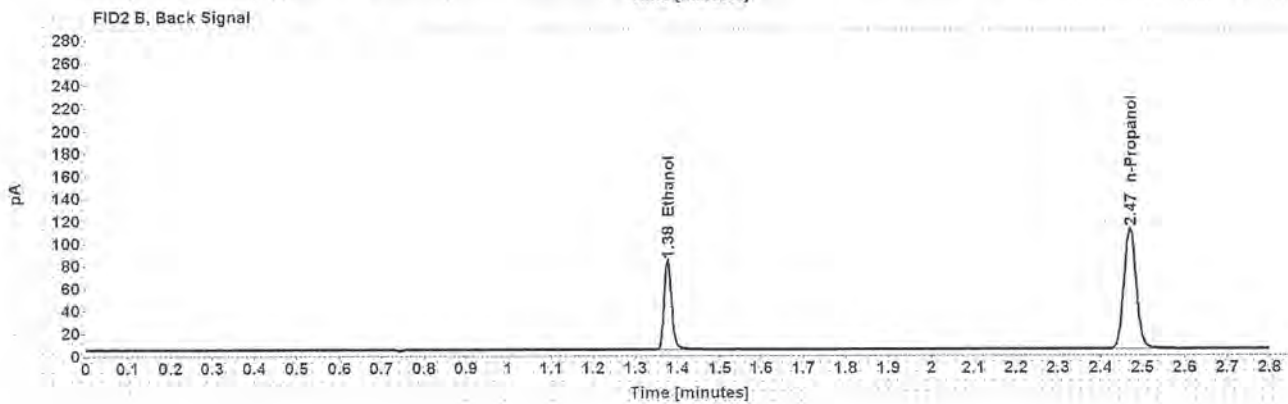
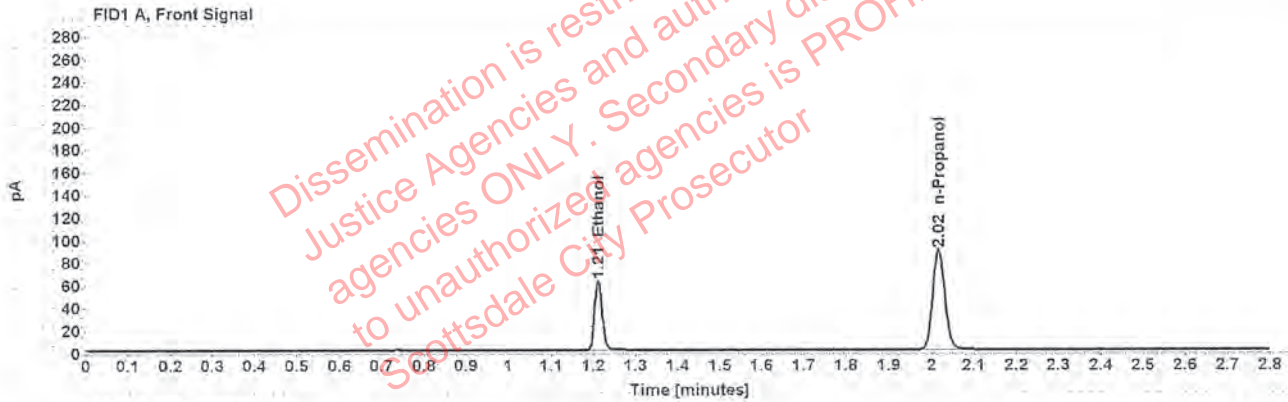


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1230	1.211	78.903
n-Propanol	-----	2.017	175.482

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

Compound	Time (min)	Peak Area
Ethanol	1.376	98.240
n-Propanol	2.469	217.556

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL197	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:27:10 PM
Data file:	C:\Chem32\11\Data\18May20\17.D	Analyst:	Brooke

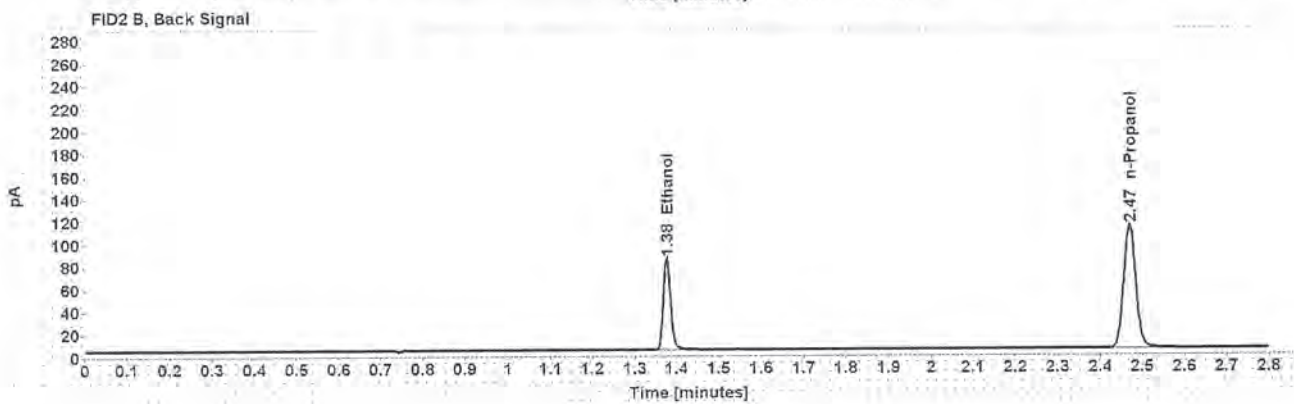
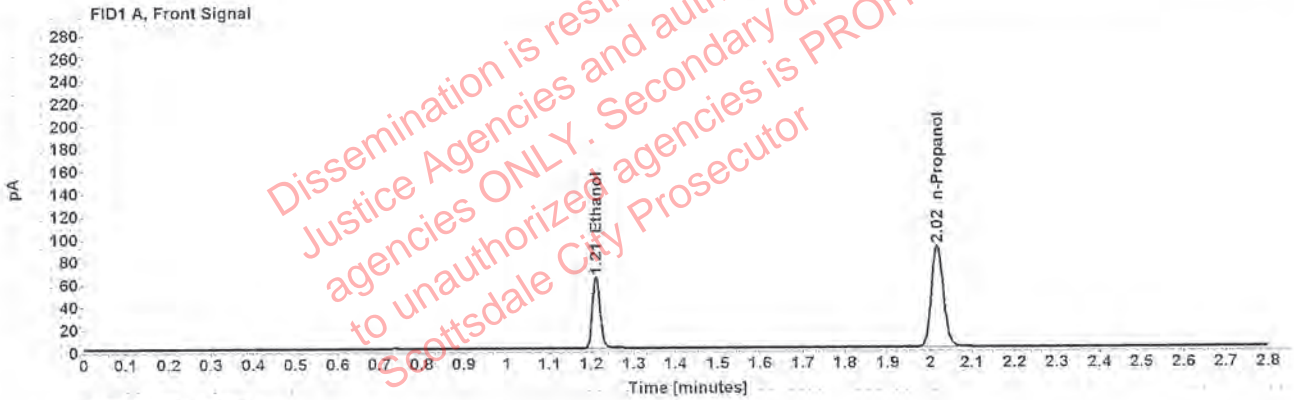


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1236	1.211	80.916
n-Propanol	-----	2.017	179.096

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

Compound	Time (min)	Peak Area
Ethanol	1.376	100.679
n-Propanol	2.469	221.785



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL225	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:15:10 PM
Data file:	C:\Chem32\1\Data\18May20\14.D	Analyst:	Brooke

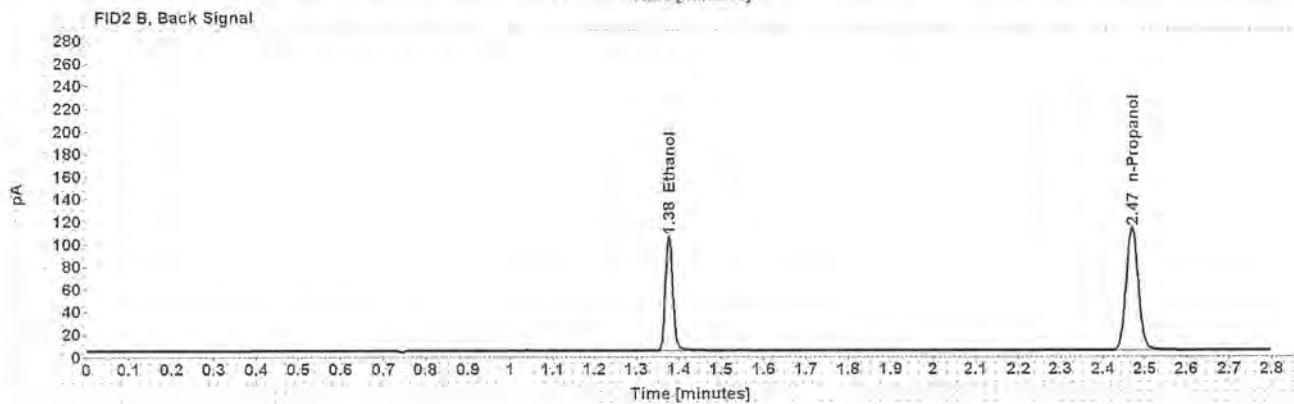
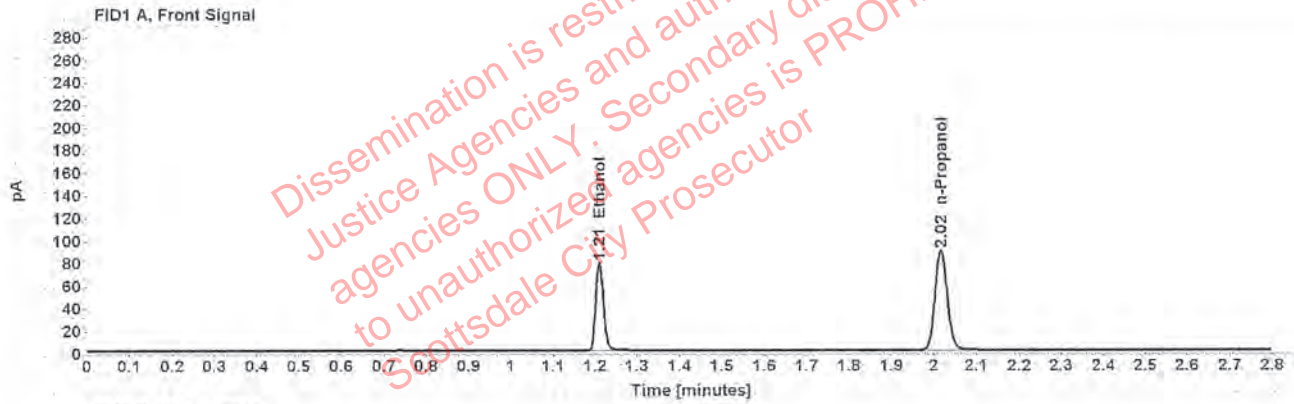


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1545	1.211	100.556
n-Propanol	-----	2.017	177.412

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

Compound	Time (min)	Peak Area
Ethanol	1.376	125.126
n-Propanol	2.469	219.830

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL225	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:19:10 PM
Data file:	C:\Chem32\1\Data\18May20\15.D	Analyst:	Brooke

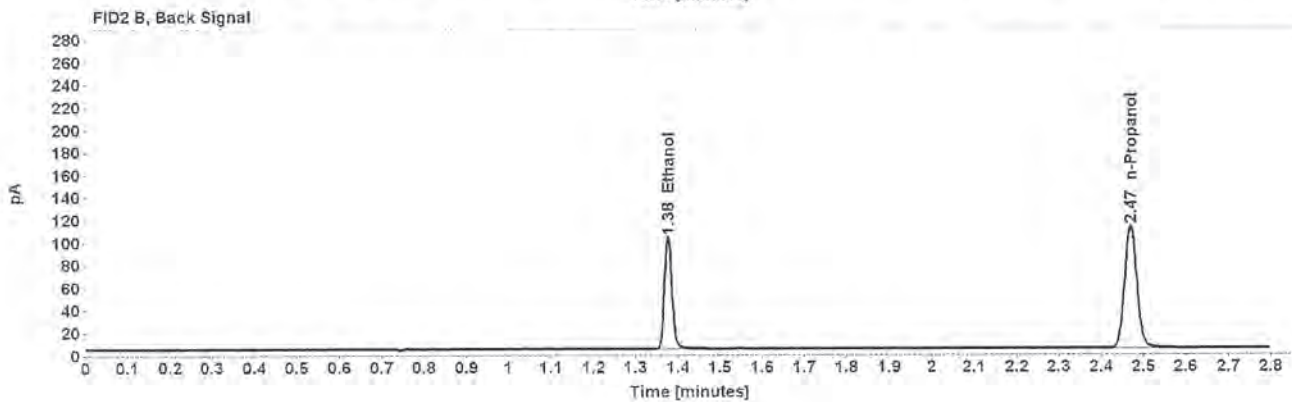
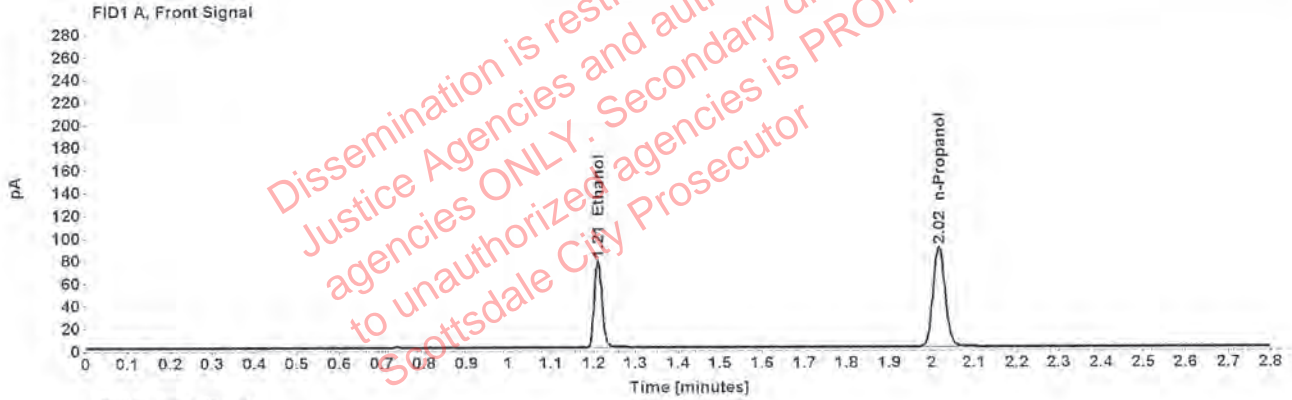


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1522	1.211	98.793
n-Propanol	-----	2.016	176.950

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

Compound	Time (min)	Peak Area
Ethanol	1.376	122.861
n-Propanol	2.469	219.232

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL297	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:06:55 PM
Data file:	C:\Chem32\1\Data\18May20\12.D	Analyst:	Brooke

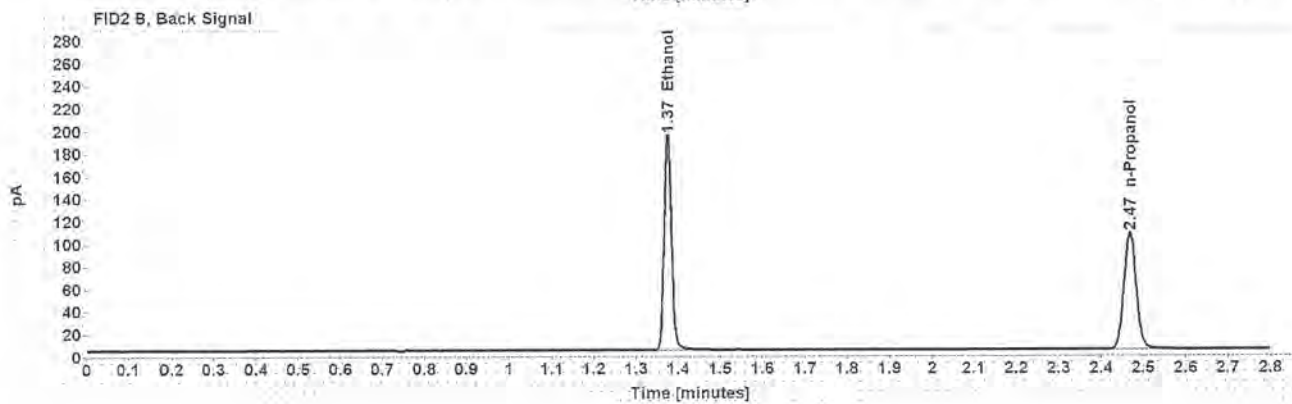
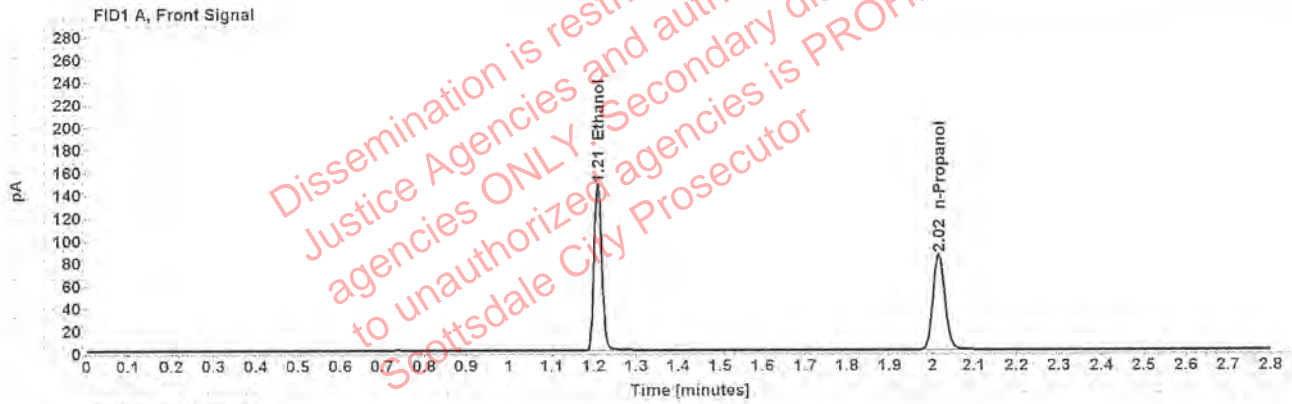


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3014	1.209	187.673
n-Propanol	-----	2.016	168.593

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

Compound	Time (min)	Peak Area
Ethanol	1.374	235.459
n-Propanol	2.467	209.207



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL297	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:11:10 PM
Data file:	C:\Chem32\1\Data\18May20\13.D	Analyst:	Brooke

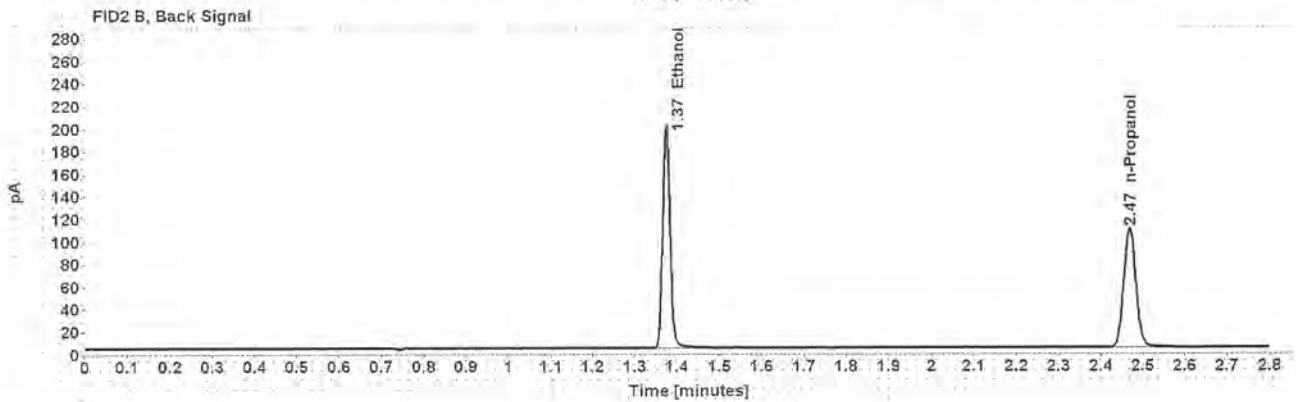
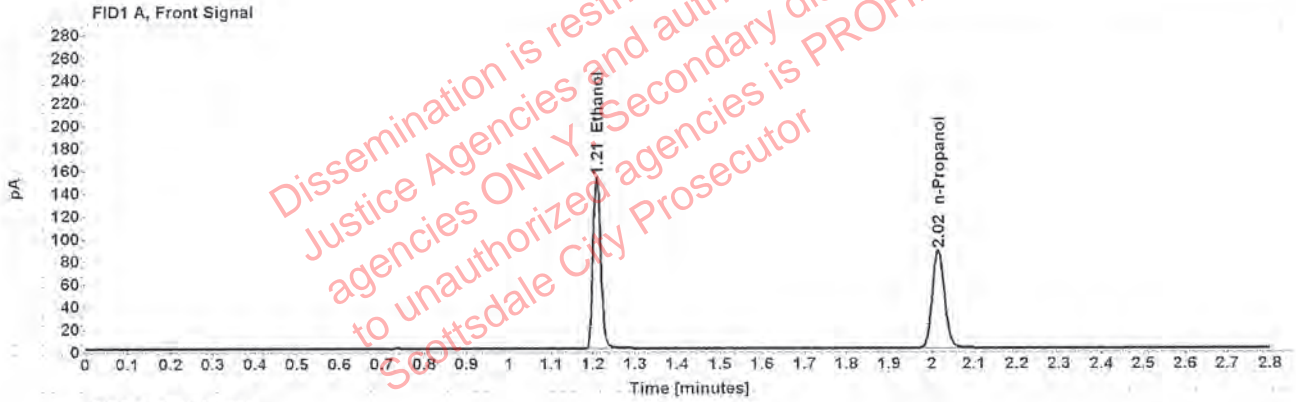


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3033	1.209	193.822
n-Propanol	-----	2.016	173.041

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

Compound	Time (min)	Peak Area
Ethanol	1.374	243.043
n-Propanol	2.468	214.720

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1319510	Vial: 21
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 18May20
Instrument: US14173023 CN14160045	Injection date: 5/18/2020 2:43:25 PM
Data file: C:\Chem32\1\Data\18May20\21.D	Analyst: Brooke

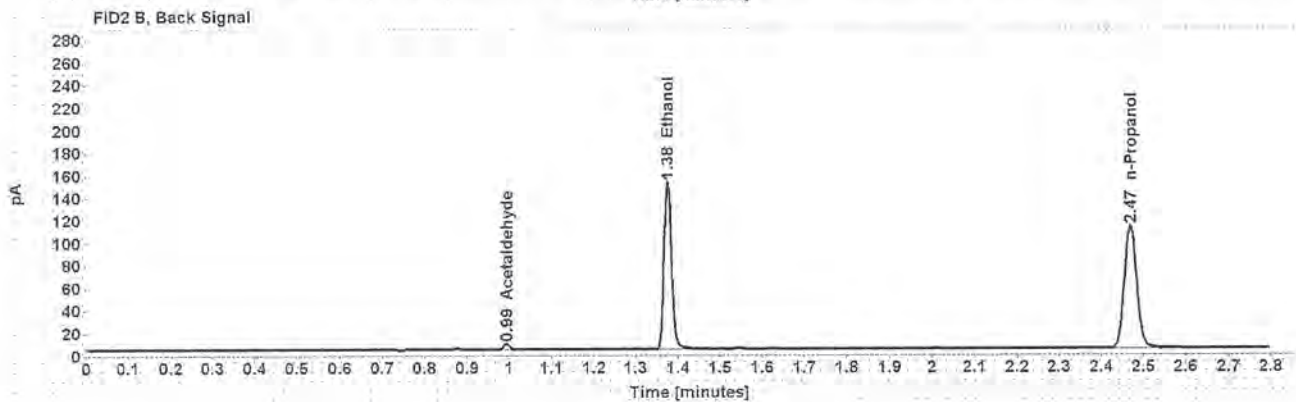
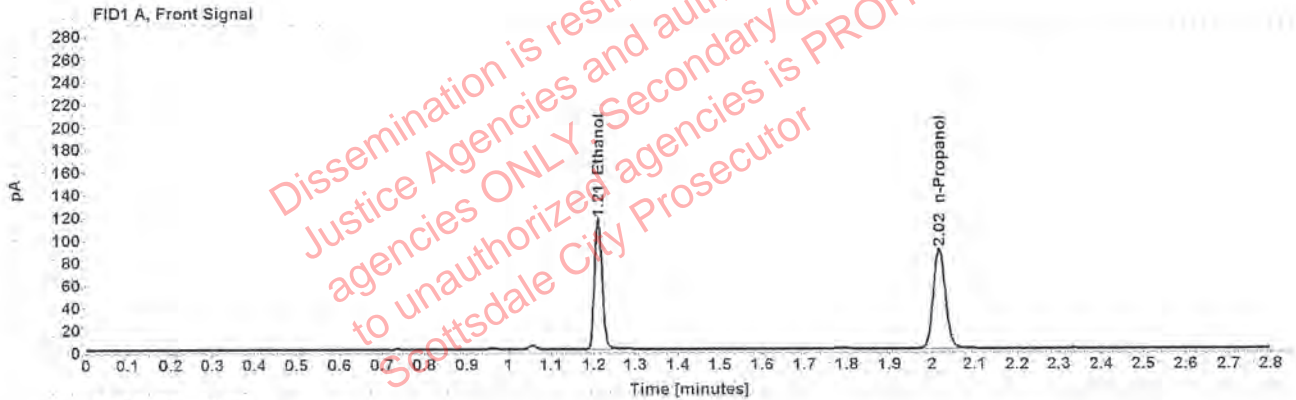


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2262	1.210	147.477
n-Propanol	-----	2.016	176.915

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.724
Ethanol	1.375	185.572
n-Propanol	2.469	219.383

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319510	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:47:25 PM
Data file:	C:\Chem32\1\Data\18May20\22.D	Analyst:	Brooke

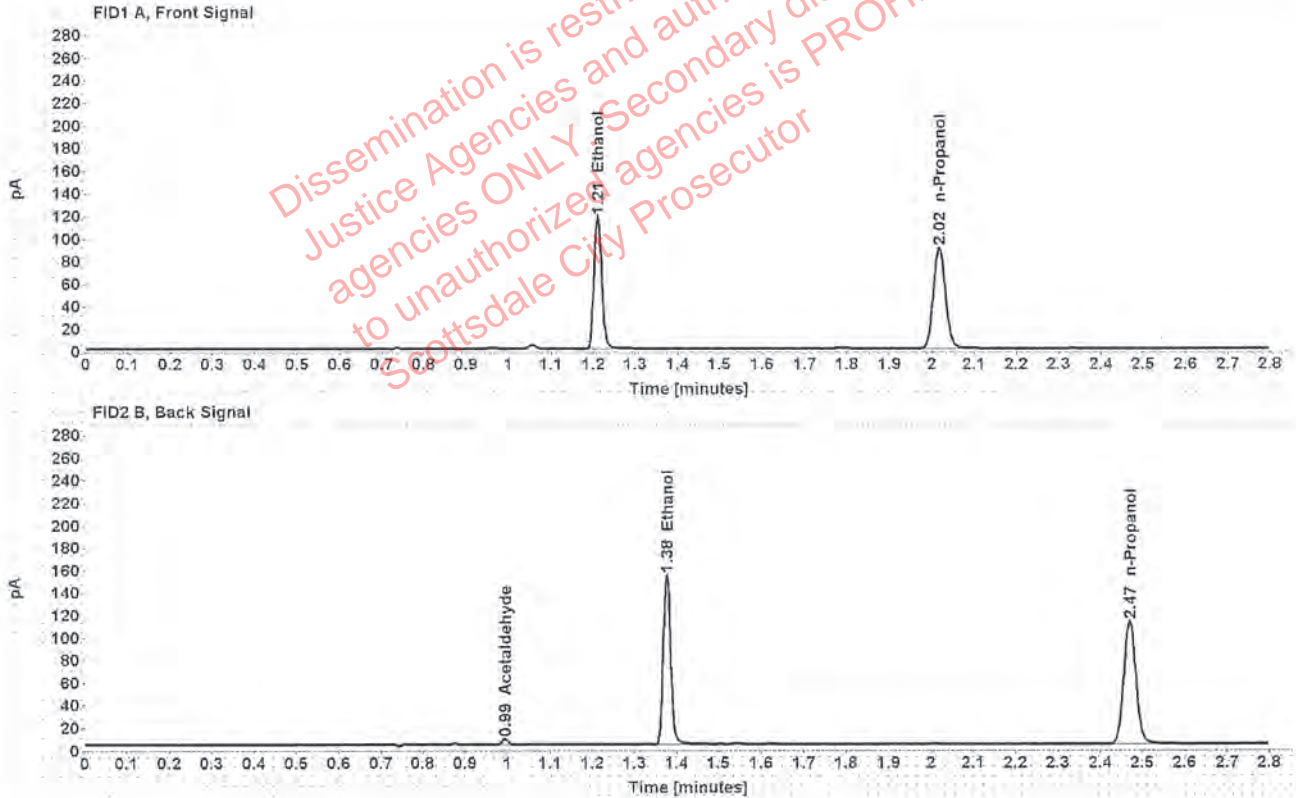


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2274	1.210	149.716
n-Propanol	-----	2.017	178.659

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.817
Ethanol	1.376	188.501
n-Propanol	2.469	221.576



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311460	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:51:25 PM
Data file:	C:\Chem32\1\Data\18May20\23.D	Analyst:	Brooke

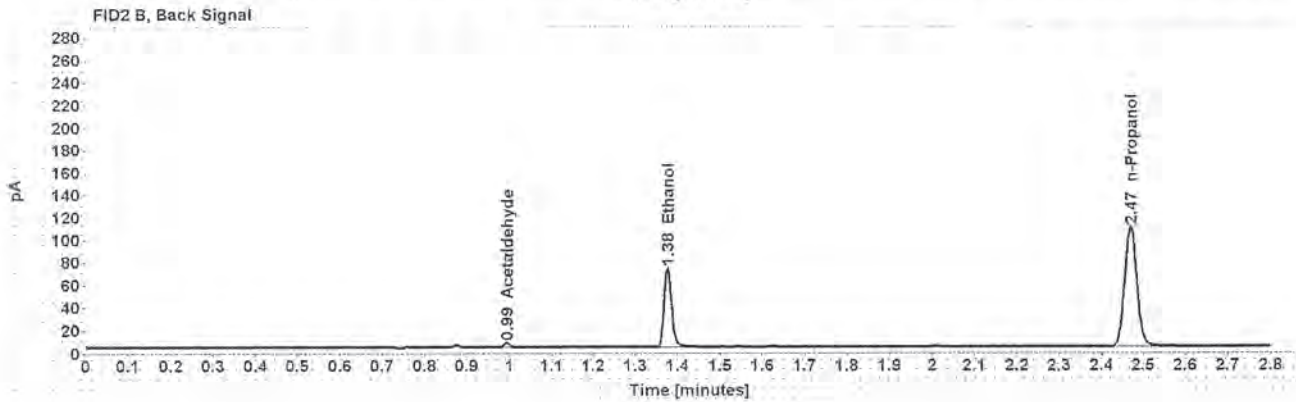
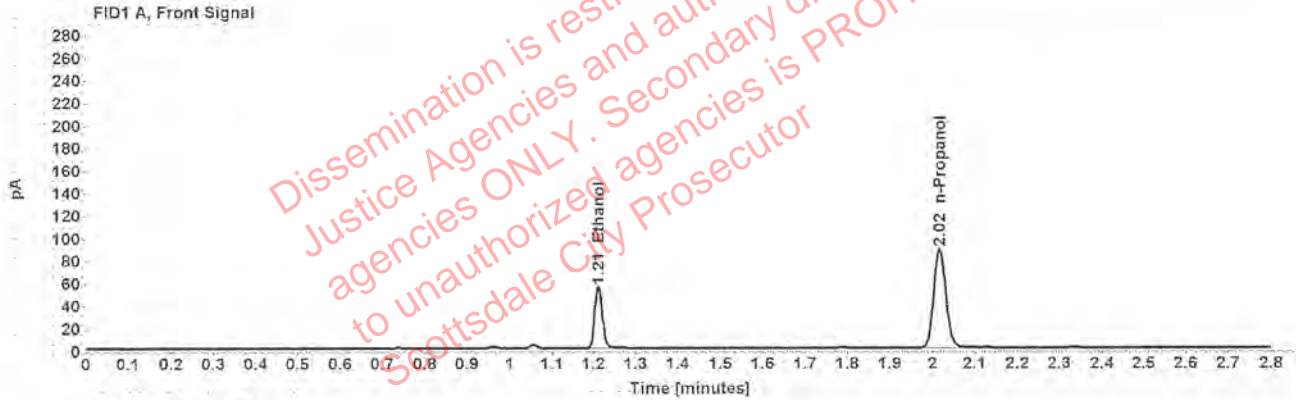


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1103	1.211	69.965
n-Propanol	-----	2.017	173.869

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.012
Ethanol	1.376	86.736
n-Propanol	2.469	215.496

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311460	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:55:25 PM
Data file:	C:\Chem32\1\Data\18May20\24.D	Analyst:	Brooke

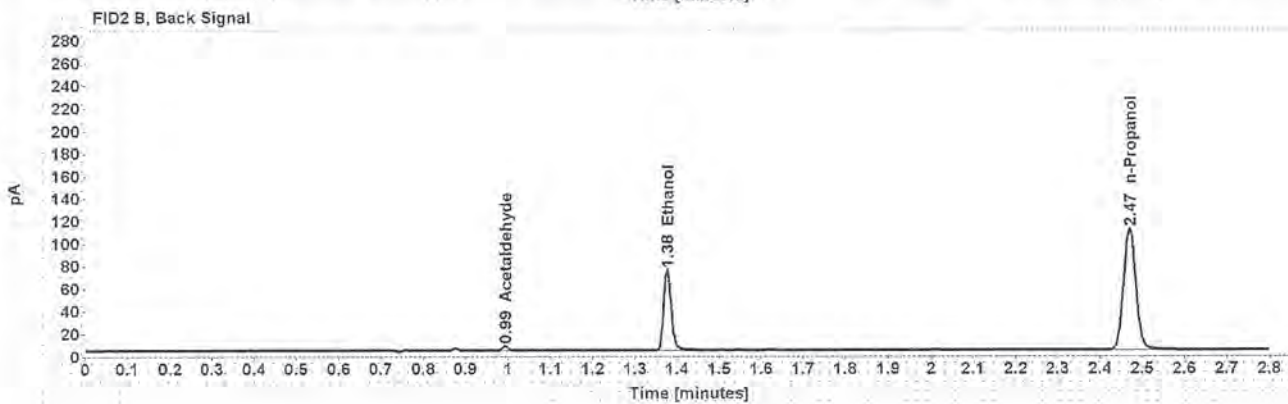
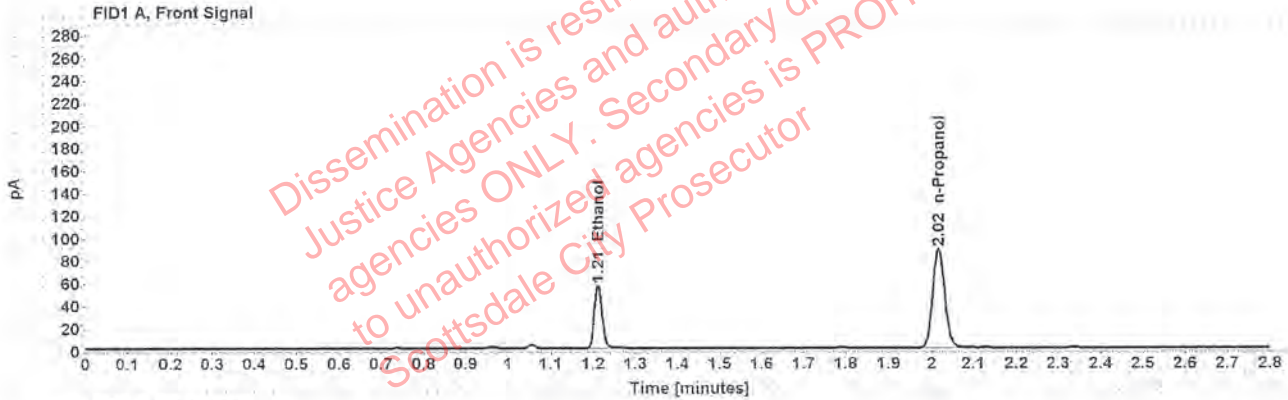


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1116	1.211	71.460
n-Propanol	-----	2.017	175.419

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.018
Ethanol	1.376	88.630
n-Propanol	2.469	217.482

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319520	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 2:59:40 PM
Data file:	C:\Chem32\1\Data\18May20\25.D	Analyst:	Brooke

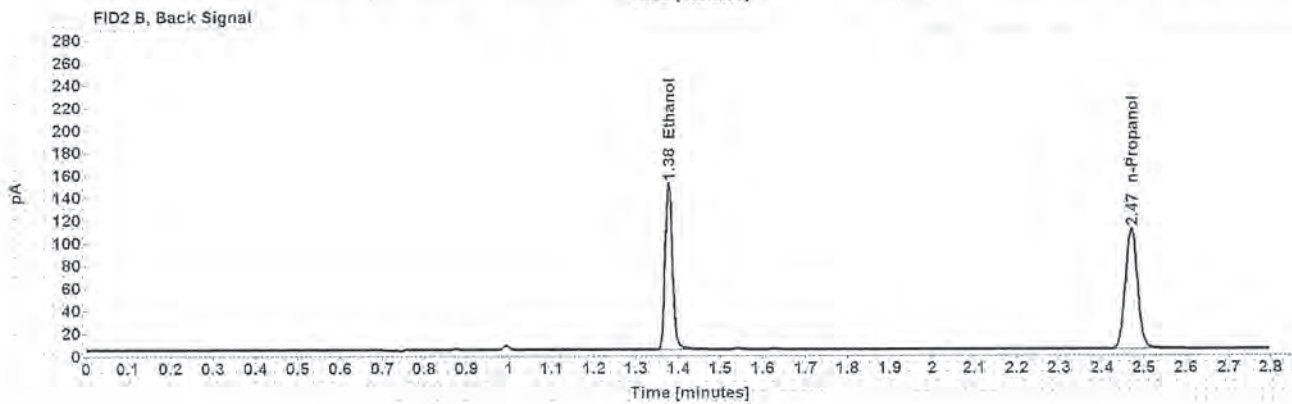
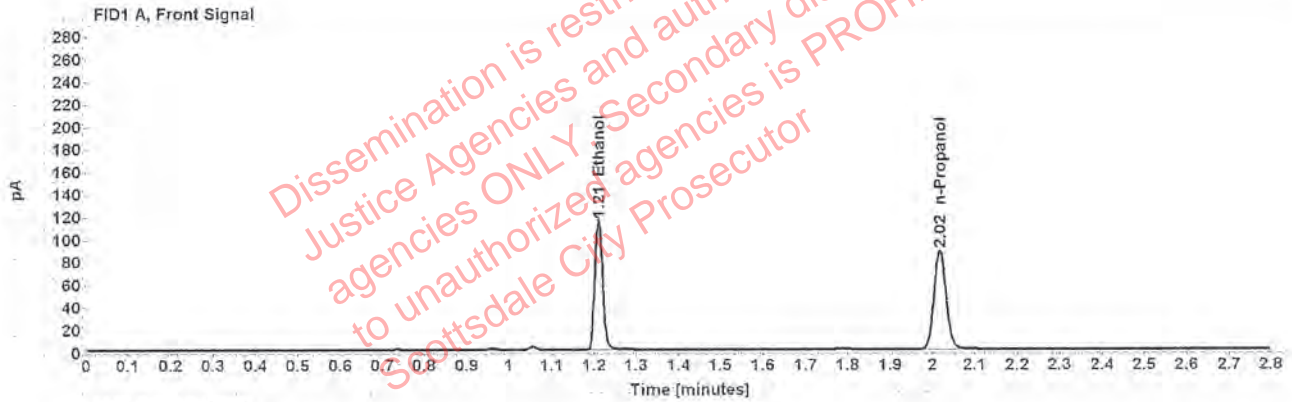


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2279	1.210	146.648
n-Propanol	-----	2.017	174.647

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

Compound	Time (min)	Peak Area
Ethanol	1.376	184.190
n-Propanol	2.469	215.893



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319520	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:03:40 PM
Data file:	C:\Chem32\1\Data\18May20\26.D	Analyst:	Brooke

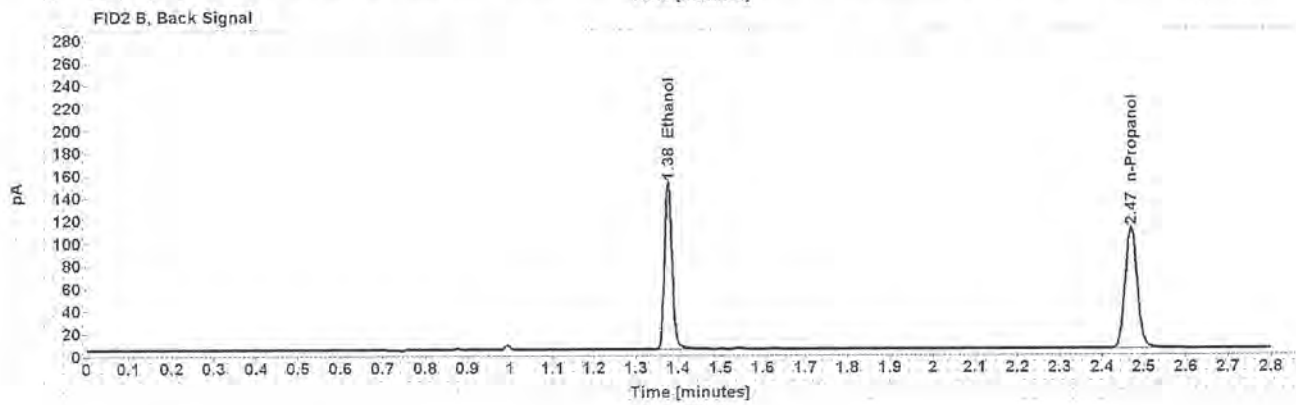
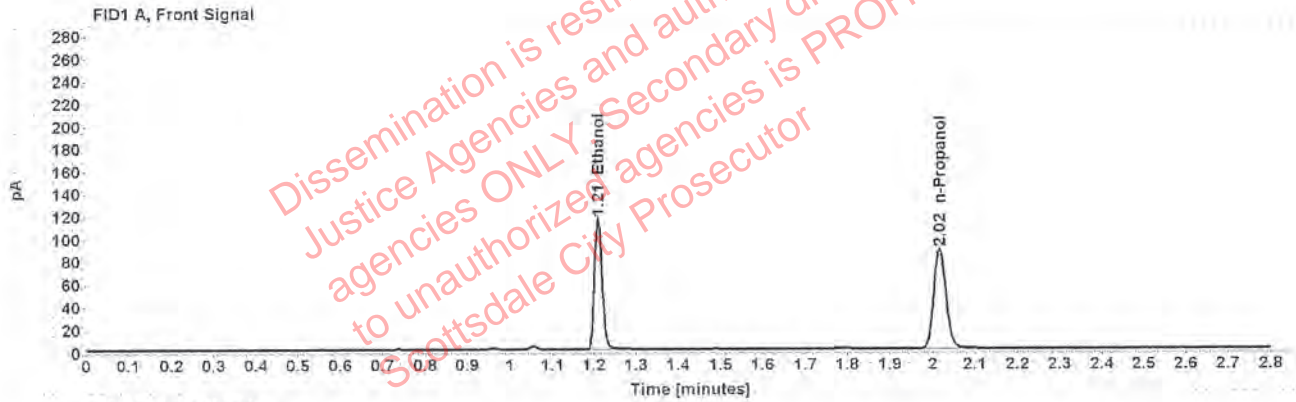


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2277	1.210	147.385
n-Propanol	-----	2.016	175.650

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

Compound	Time (min)	Peak Area
Ethanol	1.376	184.234
n-Propanol	2.469	217.091

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320240	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:07:40 PM
Data file:	C:\Chem32\1\Data\18May20\27.D	Analyst:	Brooke

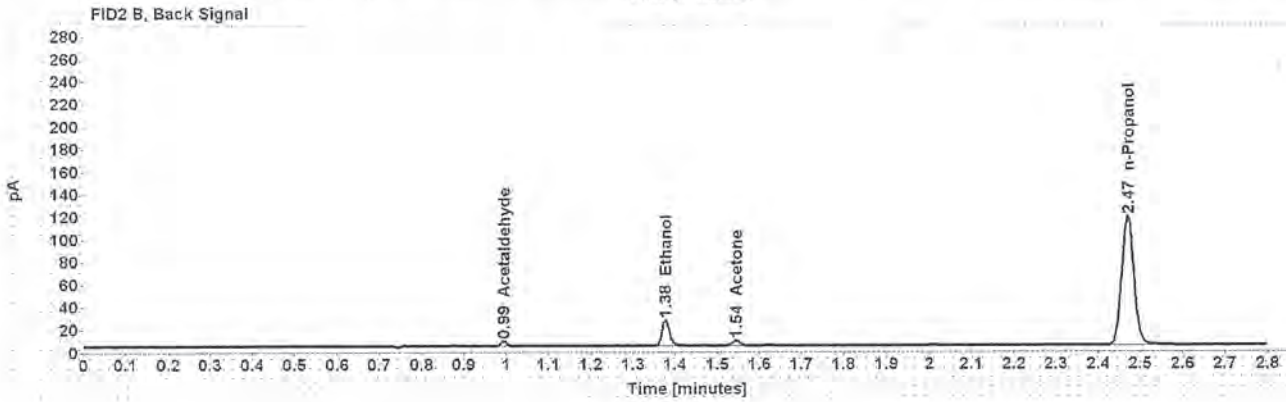
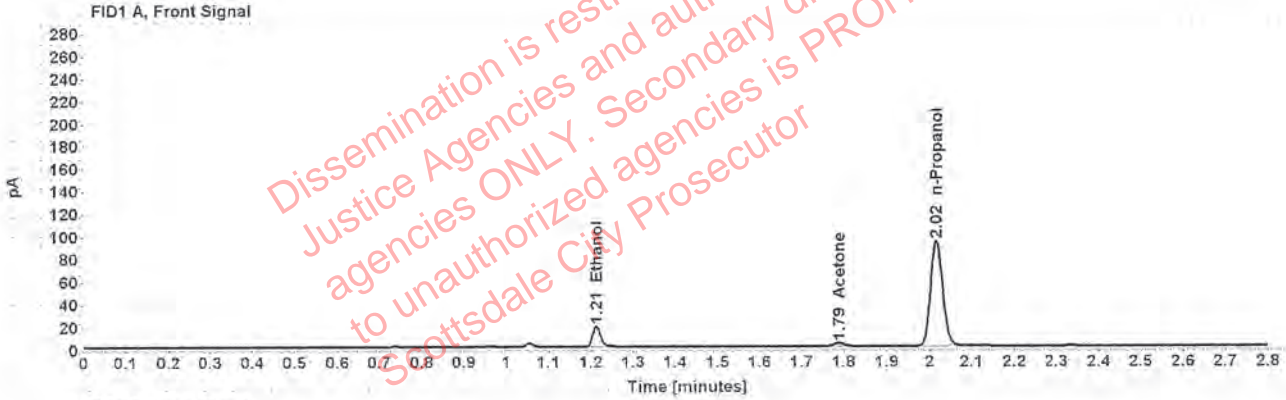


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0356	1.212	23.253
Acetone	-----	1.788	4.893
n-Propanol	-----	2.017	186.366

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.226
Ethanol	1.377	29.453
Acetone	1.544	6.335
n-Propanol	2.469	230.879

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320240	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:11:40 PM
Data file:	C:\Chem32\1\Data\18May20\28.D	Analyst:	Brooke

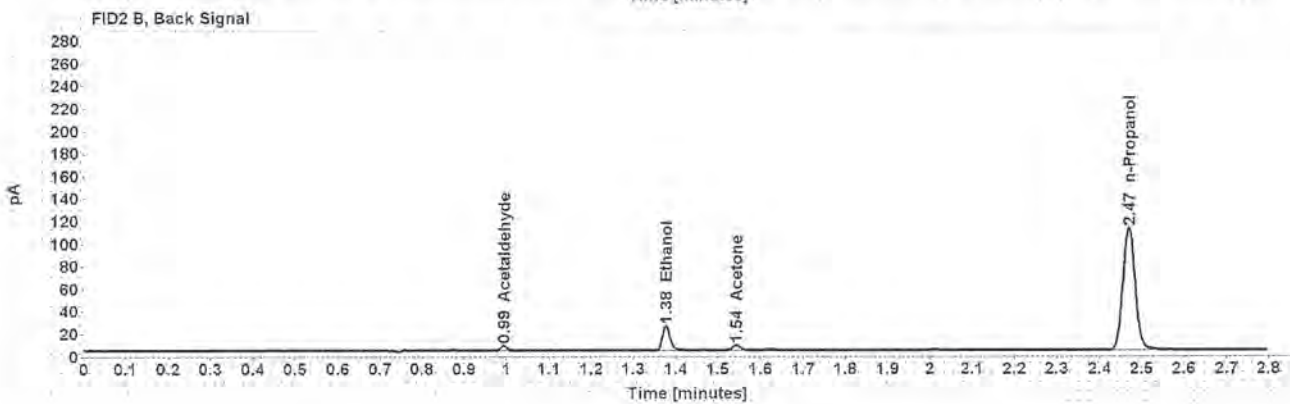


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0352	1.212	21.956
Acetone	-----	1.788	4.822
n-Propanol	-----	2.017	178.229

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.174
Ethanol	1.377	27.882
Acetone	1.543	6.234
n-Propanol	2.469	220.752



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320312	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:15:40 PM
Data file:	C:\Chem32\1\Data\18May20\29.D	Analyst:	Brooke

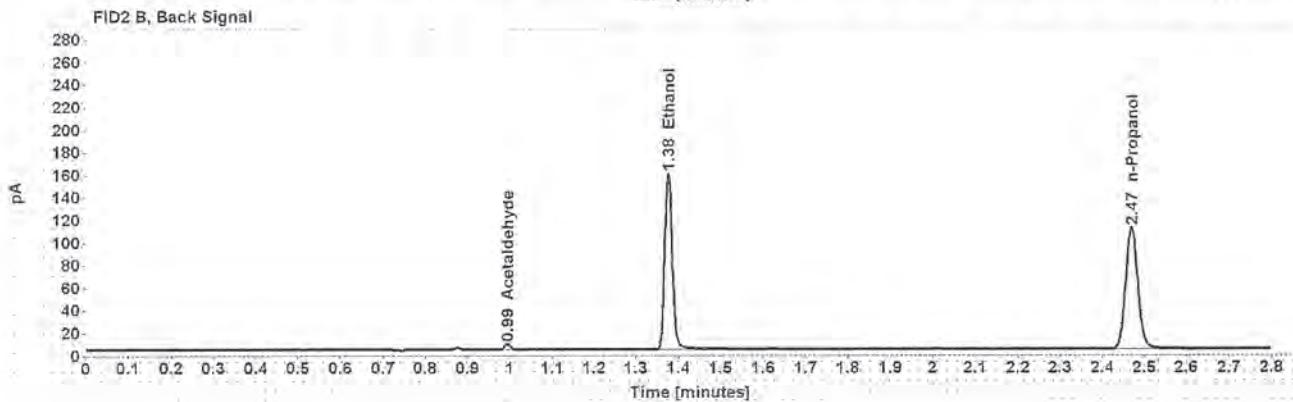
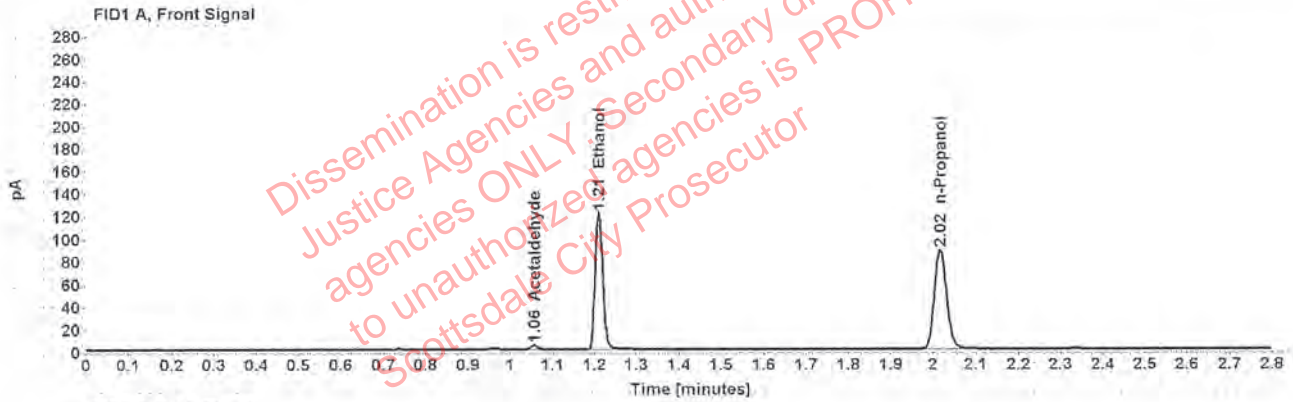


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.880
>Ethanol	0.2386	1.210	154.557
n-Propanol	-----	2.017	175.705

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.044
Ethanol	1.376	194.438
n-Propanol	2.469	217.669

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320312	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:19:39 PM
Data file:	C:\Chem32\1\Data\18May20\30.D	Analyst:	Brooke

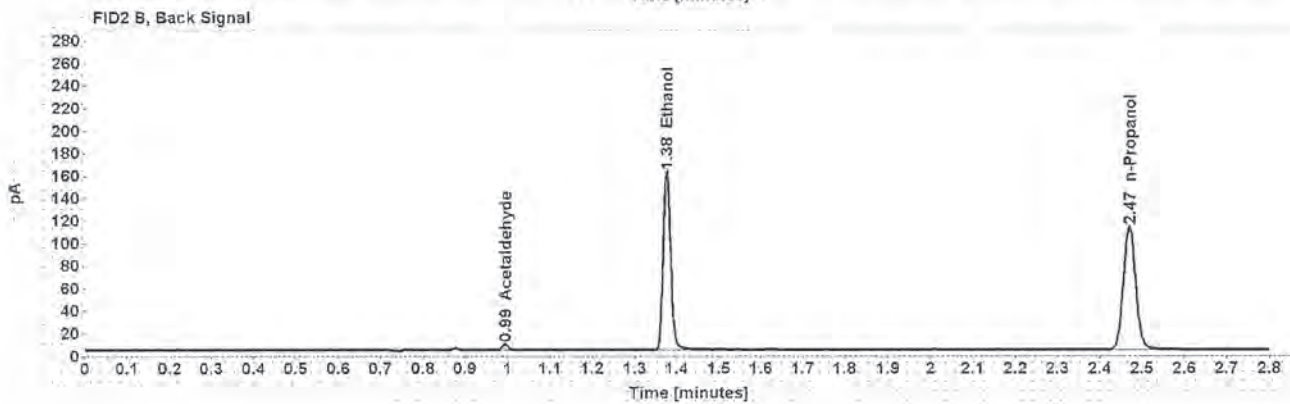
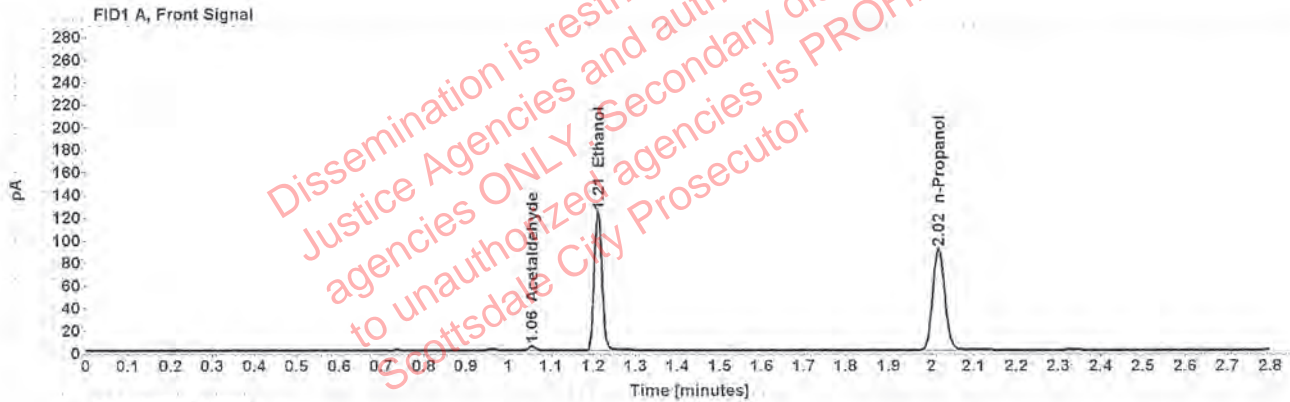


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.889
>Ethanol	0.2393	1.210	157.177
n-Propanol	-----	2.017	178.176

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.042
Ethanol	1.376	197.410
n-Propanol	2.469	220.584

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320310	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:27:55 PM
Data file:	C:\Chem32\1\Data\18May20\32.D	Analyst:	Brooke

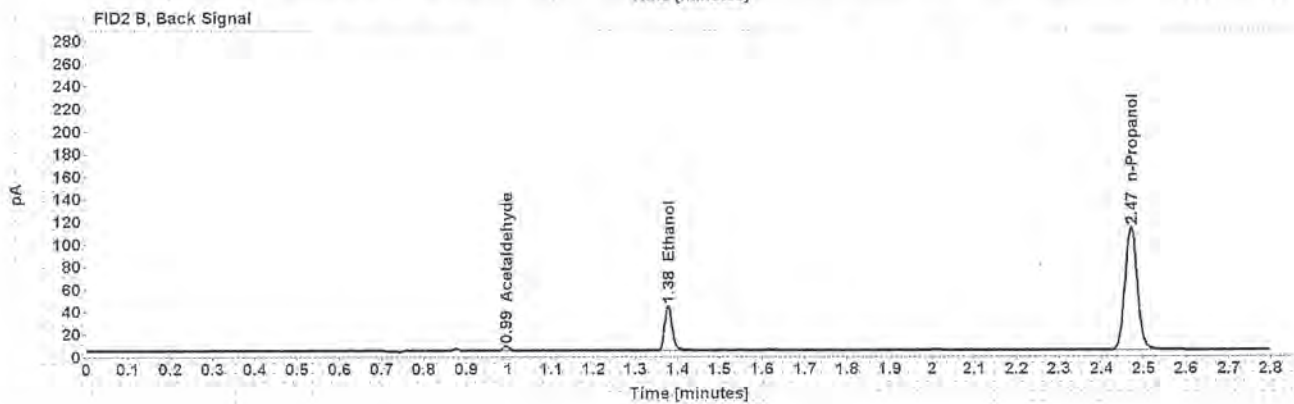
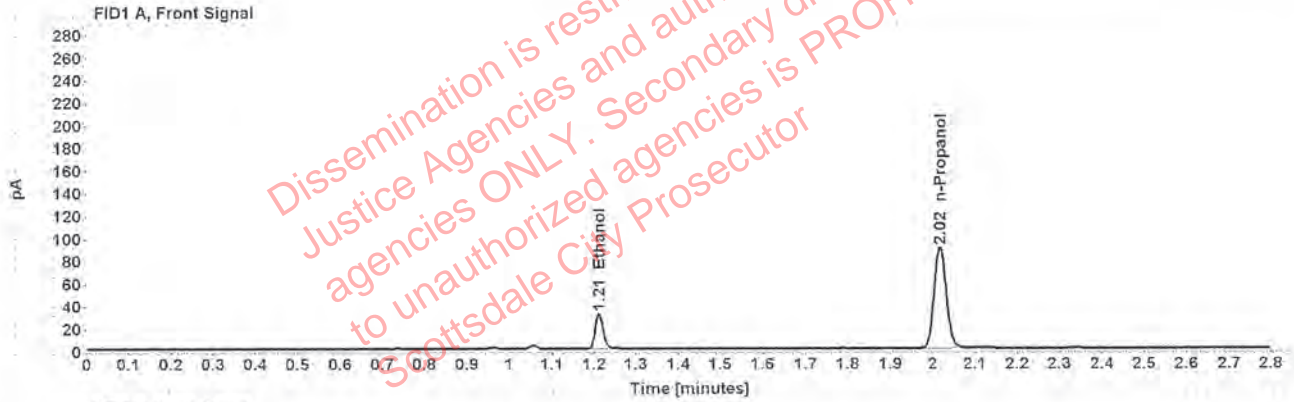


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0622	1.212	40.048
n-Propanol	-----	2.017	179.005

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.022
Ethanol	1.377	50.599
n-Propanol	2.469	221.269



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320310	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:31:55 PM
Data file:	C:\Chem32\1\Data\18May20\33.D	Analyst:	Brooke

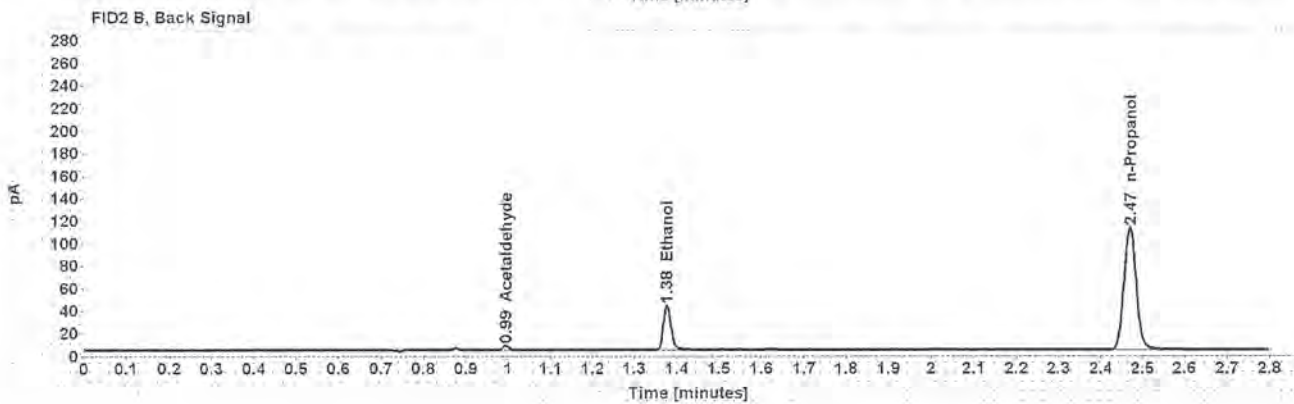
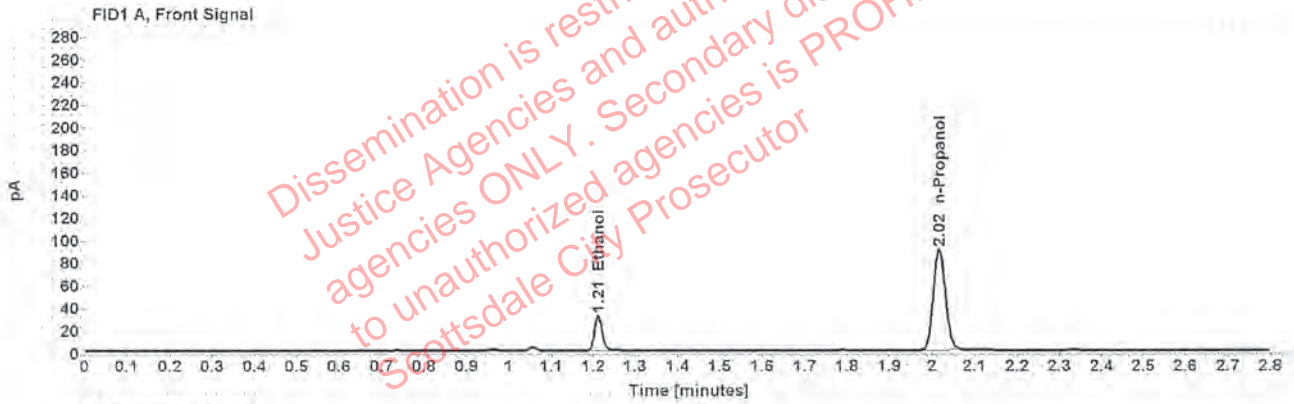


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0622	1.212	39.882
n-Propanol	-----	2.017	178.284

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.955
Ethanol	1.377	50.449
n-Propanol	2.469	220.424

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601EW	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:35:54 PM
Data file:	C:\Chem3211\Data\18May20\34.D	Analyst:	Brooke

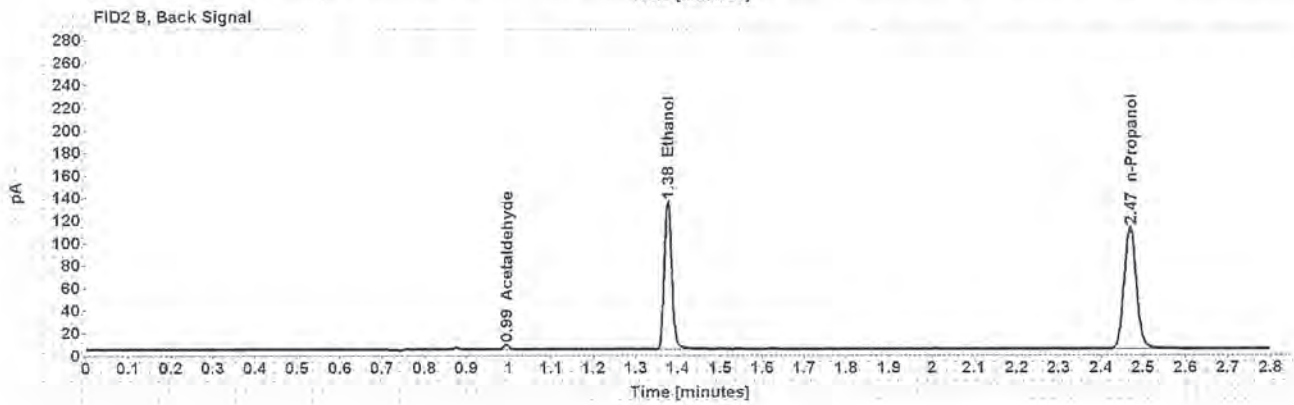
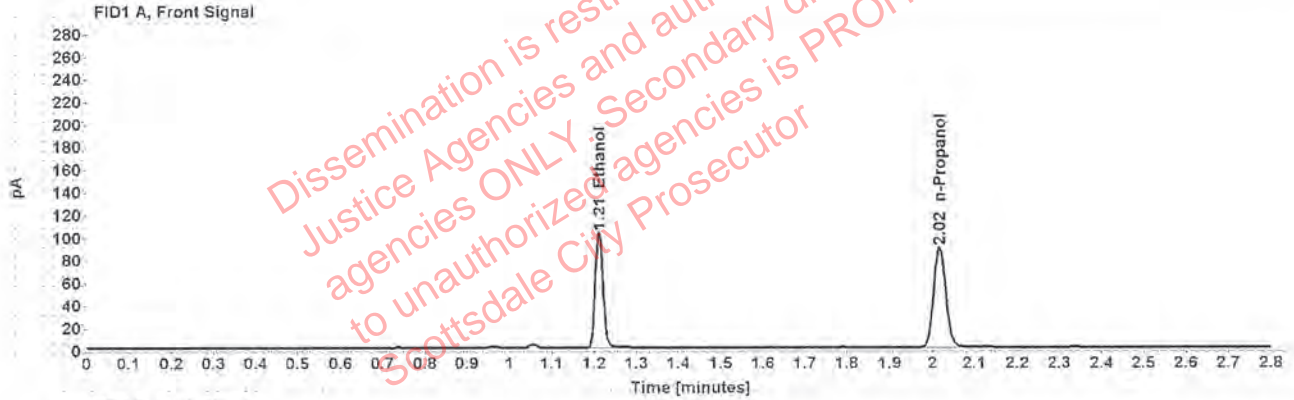


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2014	1.211	130.982
n-Propanol	-----	2.016	176.693

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.082
Ethanol	1.376	163.358
n-Propanol	2.469	218.758

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601EW	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:39:55 PM
Data file:	C:\Chem3211\Data\18May20\35.D	Analyst:	Brooke

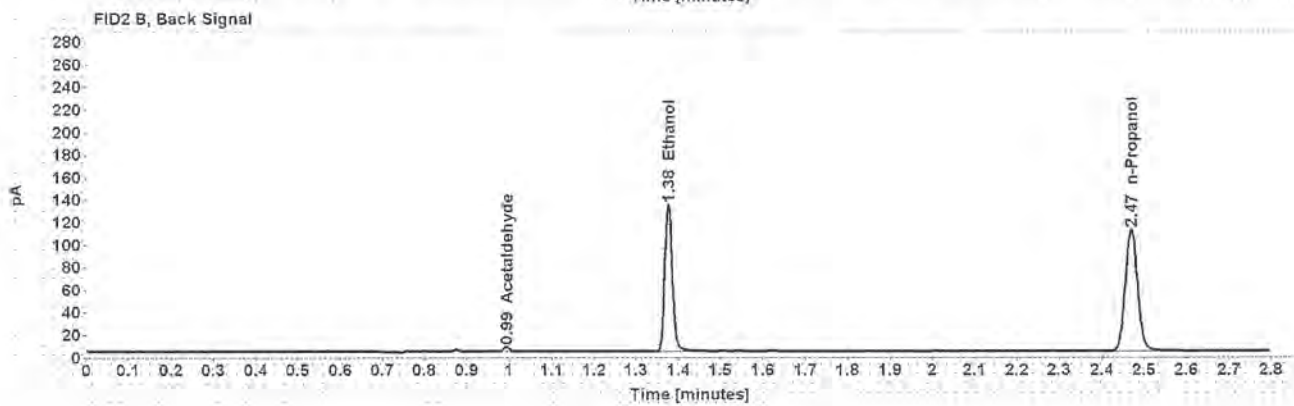
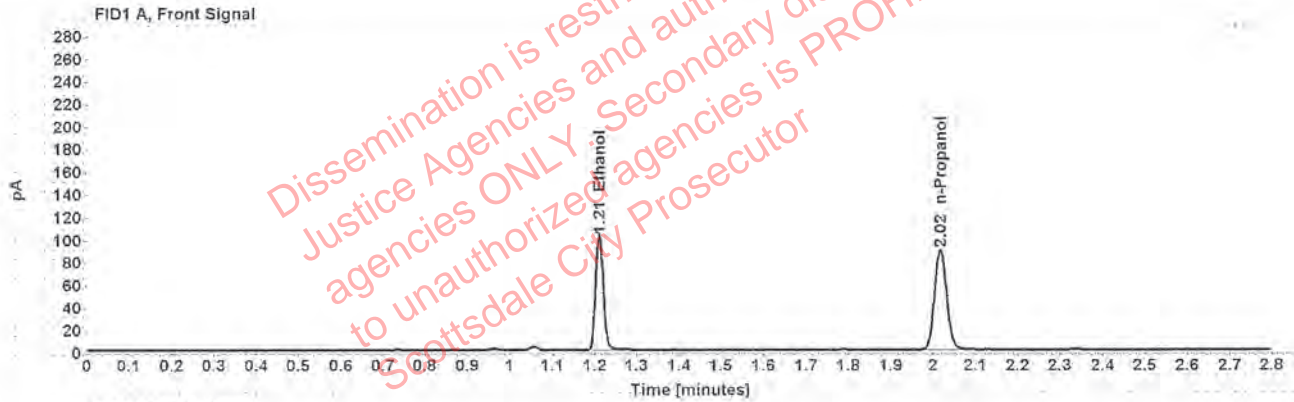


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1998	1.211	129.989
n-Propanol	---	2.017	176.794

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.078
Ethanol	1.376	161.976
n-Propanol	2.469	218.892



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28801JU	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:43:55 PM
Data file:	C:\Chem3211\Data\18May20\36.D	Analyst:	Brooke

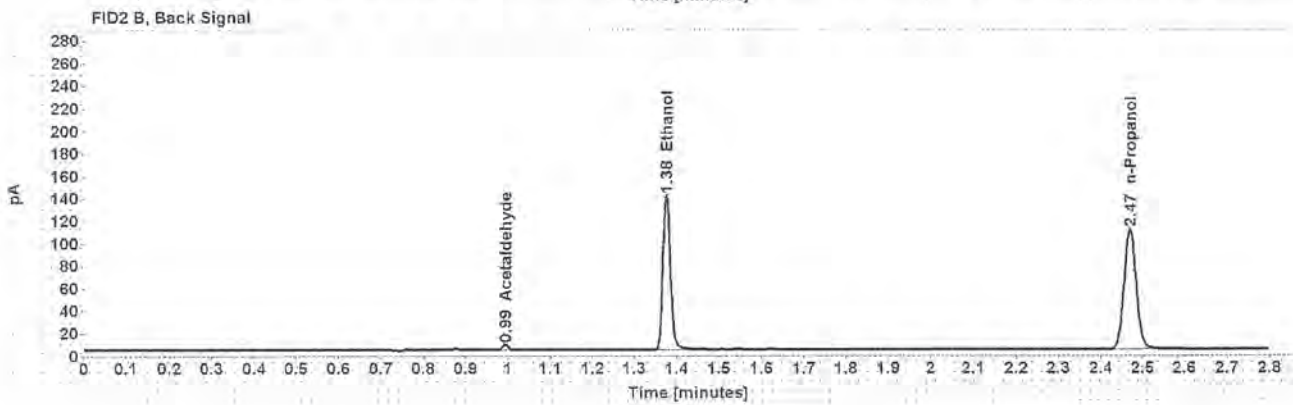
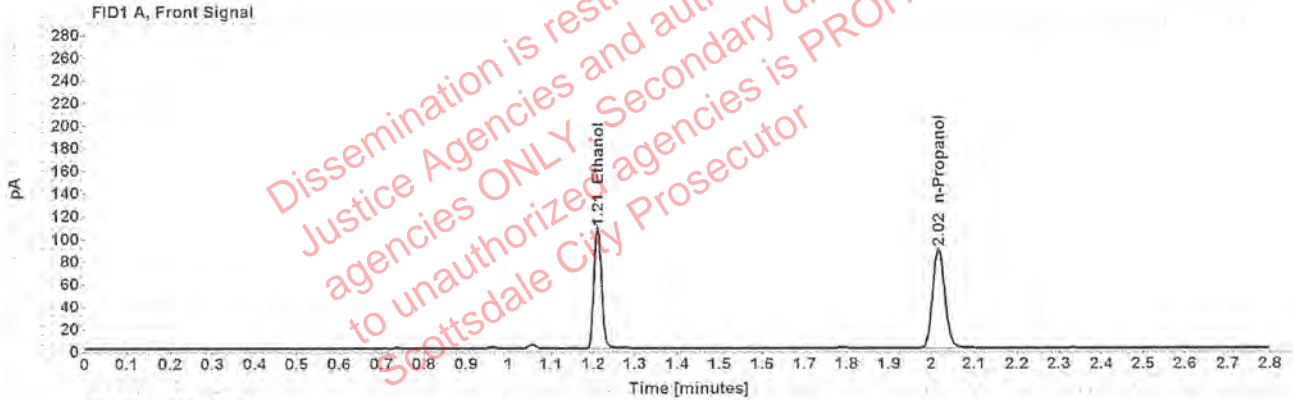


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2116	1.210	136.709
n-Propanol	-----	2.017	175.434

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.543
Ethanol	1.376	171.897
n-Propanol	2.469	216.926

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28801JU	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:48:10 PM
Data file:	C:\Chem32\1\Data\18May20\37.D	Analyst:	Brooke

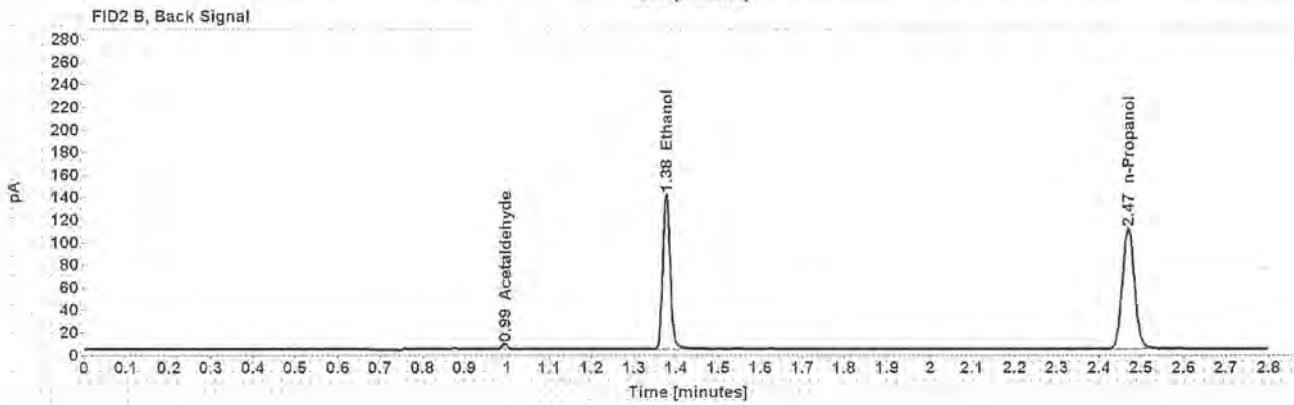
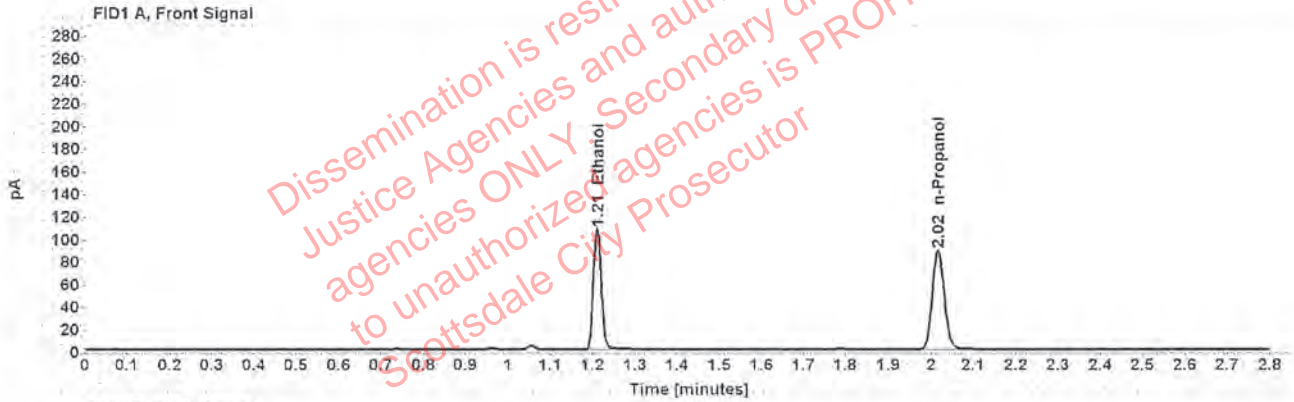


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2121	1.210	136.986
n-Propanol	-----	2.017	175.386

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.512
Ethanol	1.376	172.182
n-Propanol	2.469	216.729

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314408	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:52:09 PM
Data file:	C:\Chem32\1\Data\18May20\38.D	Analyst:	Brooke

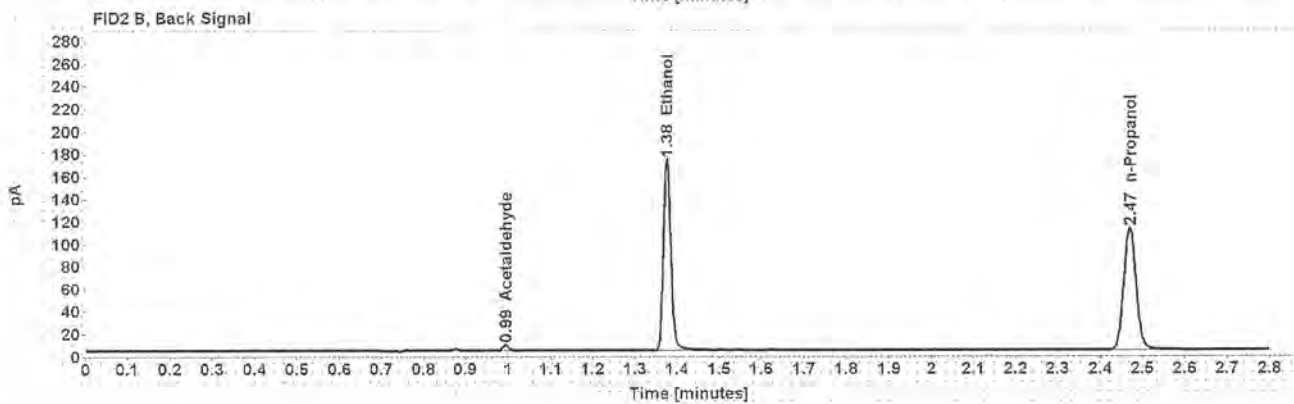
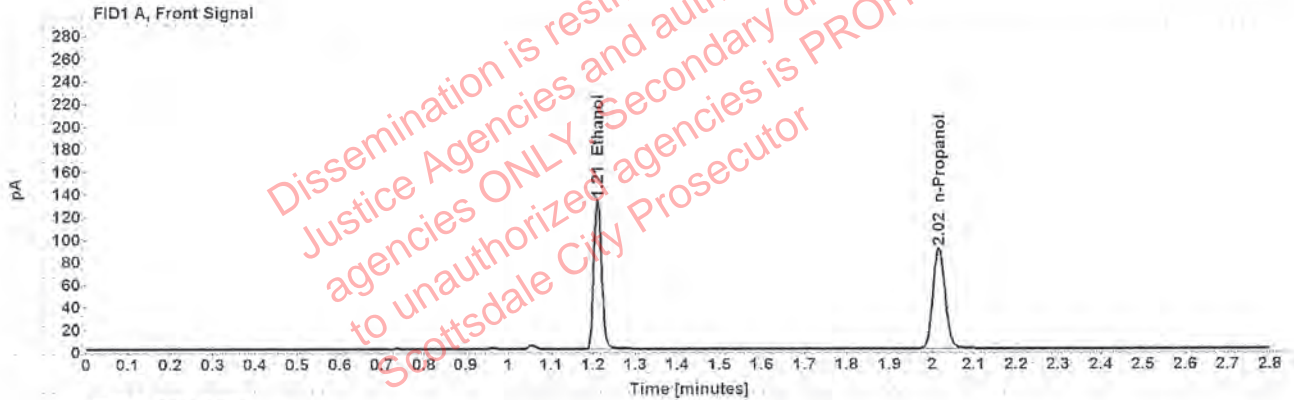


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2569	1.210	168.900
n-Propanol	-----	2.017	178.236

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.612
Ethanol	1.376	210.886
n-Propanol	2.469	220.633



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314408	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 3:56:10 PM
Data file:	C:\Chem3211\Data\18May20\39.D	Analyst:	Brooke

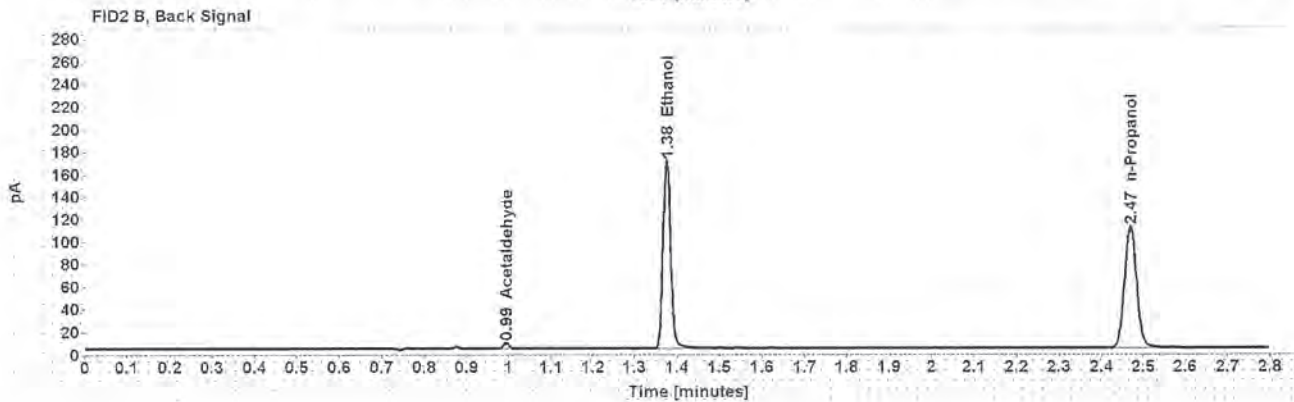
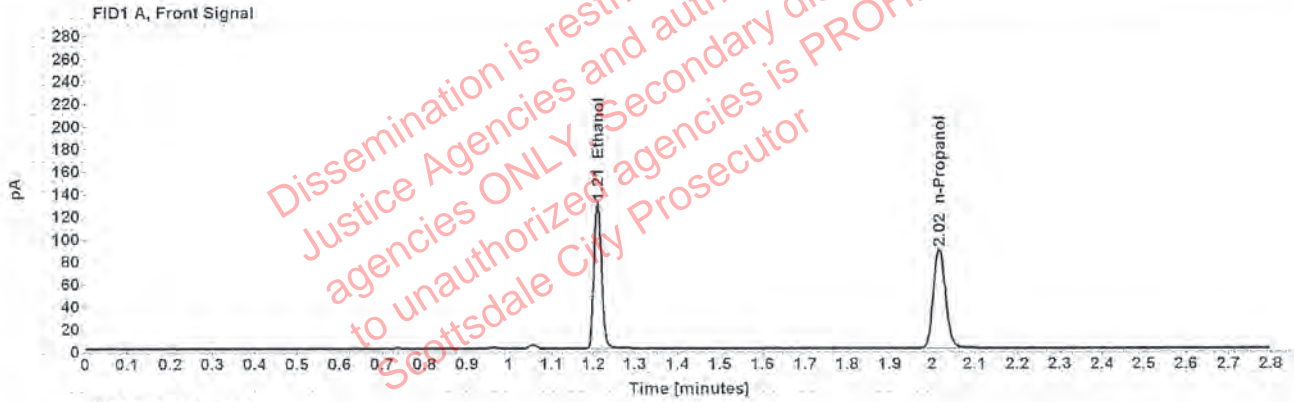


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2542	1.210	165.326
n-Propanol	-----	2.016	176.328

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.614
Ethanol	1.375	208.221
n-Propanol	2.469	218.317

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1318822	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 4:00:10 PM
Data file:	C:\Chem32\1\Data\18May20\40.D	Analyst:	Brooke

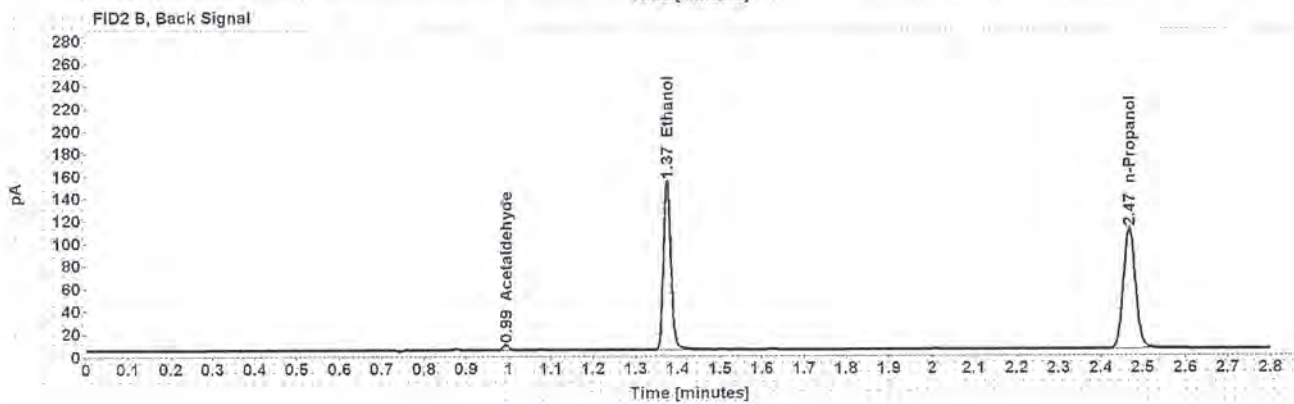
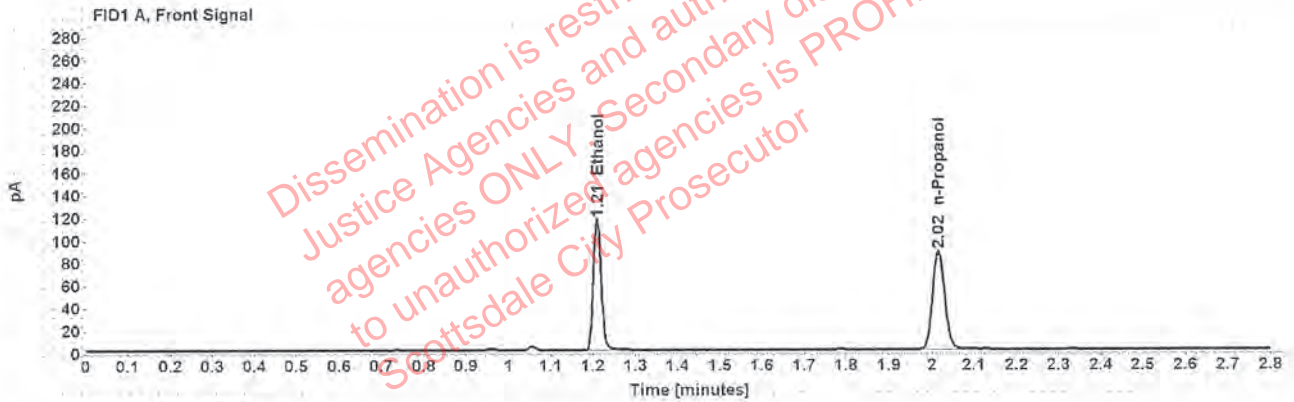


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2311	1.209	148.716
n-Propanol	-----	2.015	174.622

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.548
Ethanol	1.374	187.261
n-Propanol	2.468	215.662

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1318822	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18May20
Instrument:	US14173023 CN14160045	Injection date:	5/18/2020 4:04:09 PM
Data file:	C:\Chem3211\Data\18May20\41.D	Analyst:	Brooke

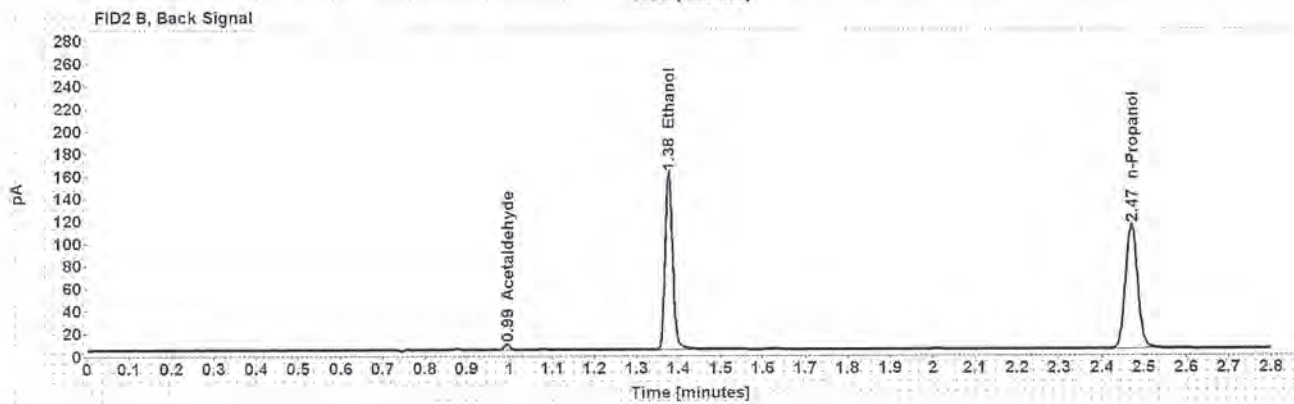
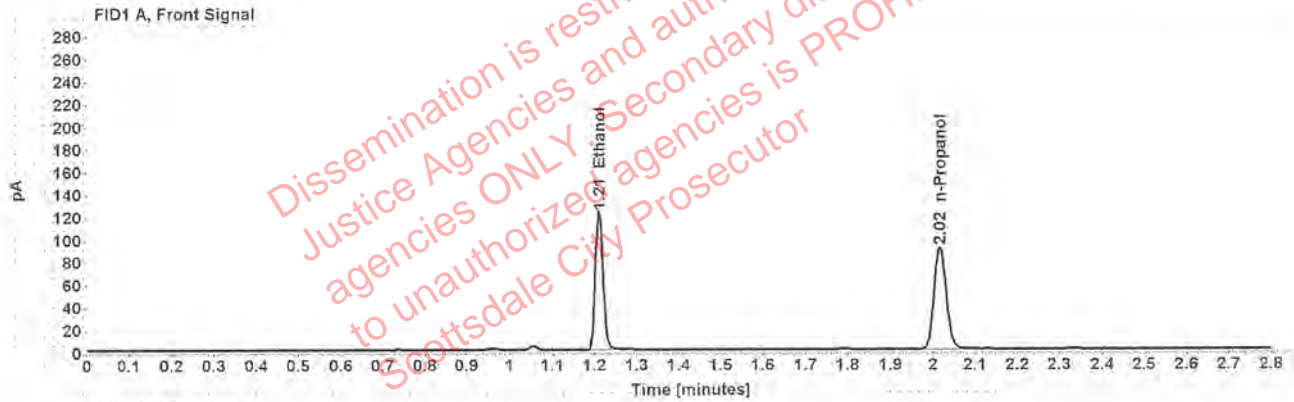


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2350	1.210	155.944
n-Propanol	-----	2.017	180.043

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.572
Ethanol	1.376	196.262
n-Propanol	2.469	222.563