

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 4/4/2018 SEQUENCE NAME 4Apr18

**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 FN06181501 0.99999  
 Vial 3 0.20 calibrator Lot FN07201502  
 Vial 4 0.40 calibrator Lot FN11191402

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 010318
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.153 g/dL	Lipomed 09022015-C
38	Aqueous control	0.400 g/dL	0.407 g/dL	Lipomed 08012015-C
39	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
40	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/3
41	Blank	Not detected	Not detected	SPD lab 010318

**SUBJECT SAMPLES**

Subjects in the sequence 13 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid   
 Run invalid  WAB1570 4/5/18  
 Analyst

Run valid   
 Run invalid  KOSECKI 4/4/18  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

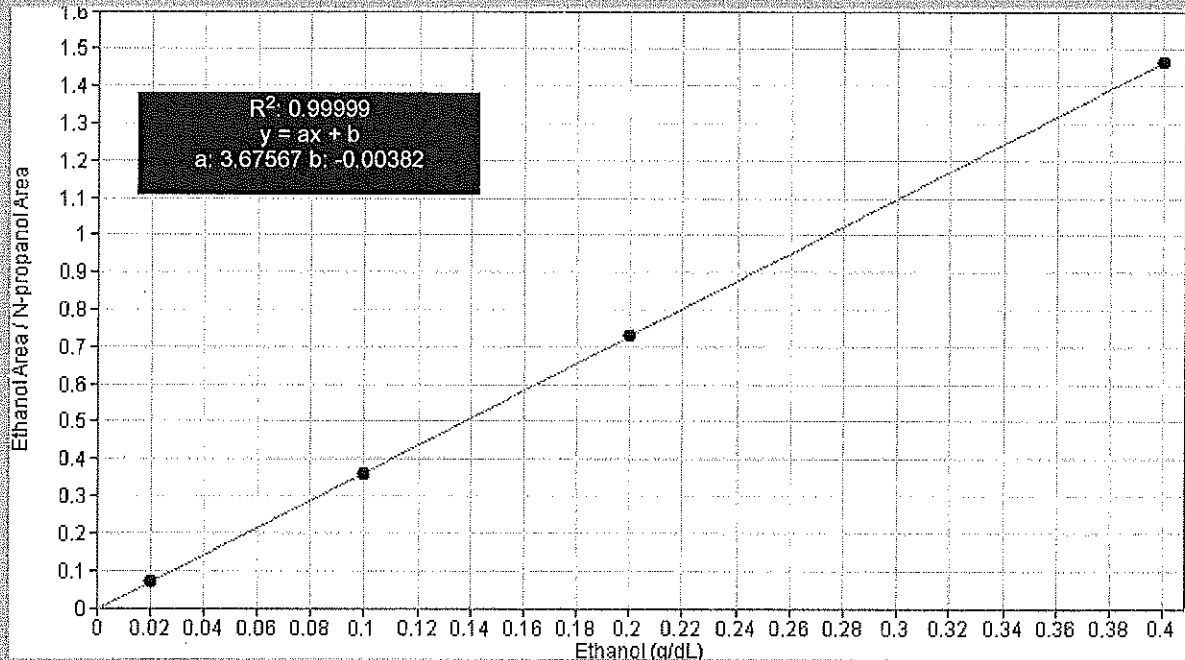
SEQUENCE NAME: 4Apr18

ANALYST: Adrian *WA*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 010318	5	negative	negative	-	-
0.400 Lipomed 08012015-C	7	0.400	0.400	0.00	0.000
0.040 Lipomed 09022015-A	8	0.039	0.040	2.50	-0.001
0.198 ACQ 407041529/3	9	0.199	0.198	0.51	0.001
0.080 Lipomed 28082014-B	20	0.081	0.080	1.25	0.001
0.150 Lipomed 09022015-C	31	0.153	0.150	2.00	0.003
0.40 Lipomed 08012015-C	38	0.407	0.400	1.75	0.007
0.04 Lipomed 09022015-A	39	0.039	0.040	2.50	-0.001
0.198 ACQ 407041529/3	40	0.200	0.198	1.01	0.002
blank 010318	41	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.231	173.031	0.071
0.100	62.657	173.205	0.362
0.200	126.517	172.734	0.732
0.400	251.231	171.332	1.466

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

WPA

Sample: 0.020 Cerilliant FN03241604	Item number:
Injection date: 4/4/2018 12:07:10 PM	Vial: 1
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\1.D	

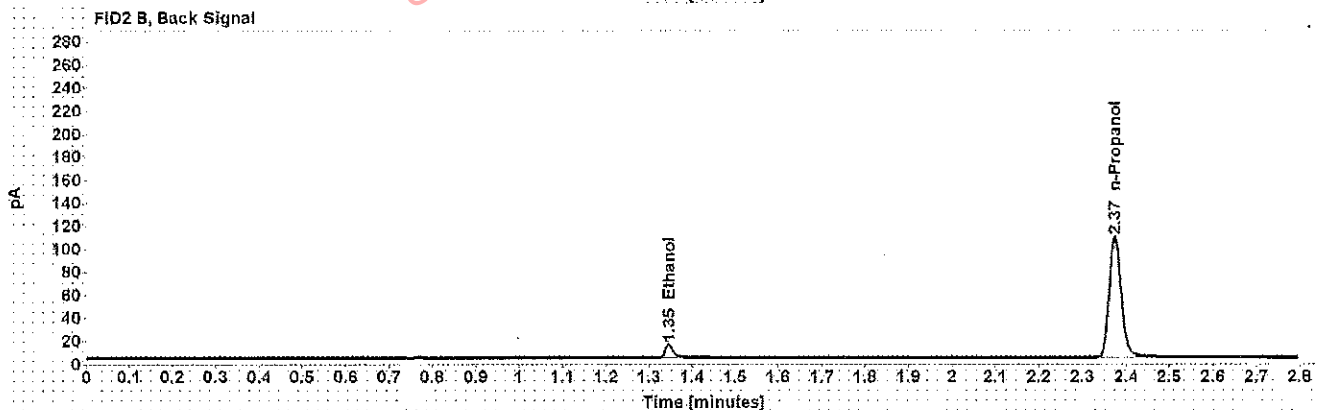
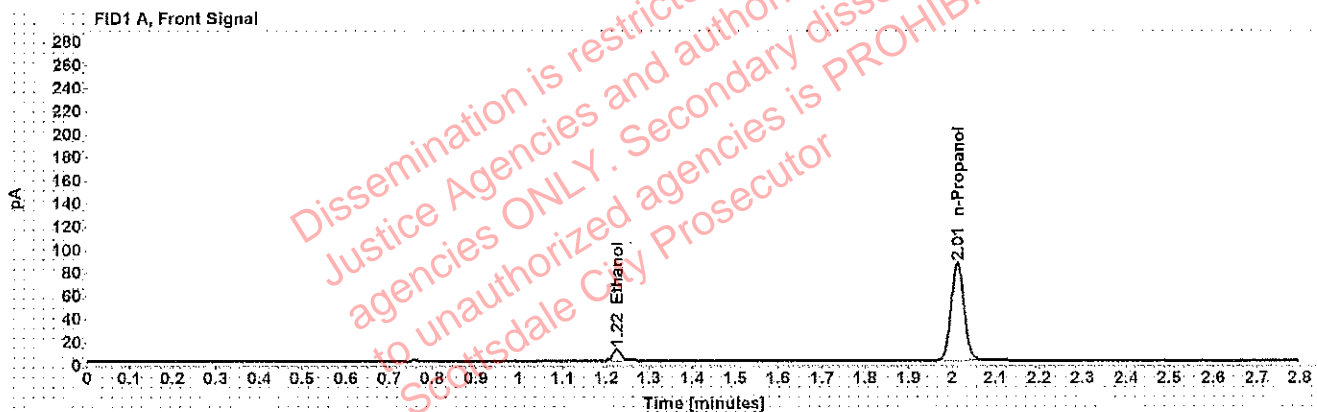


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.224	12.231
n-Propanol	2.012	173.031

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

Compound	Time (min)	Peak Area
Ethanol	1.346	14.145
n-Propanol	2.374	201.977

# Scottsdale Police Department Crime Lab Volatiles Analysis

WAA

<b>Sample:</b> 0.100 Cerilliant FN06181501	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 12:11:10 PM	<b>Vial:</b> 2
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\4Apr18\2.D	

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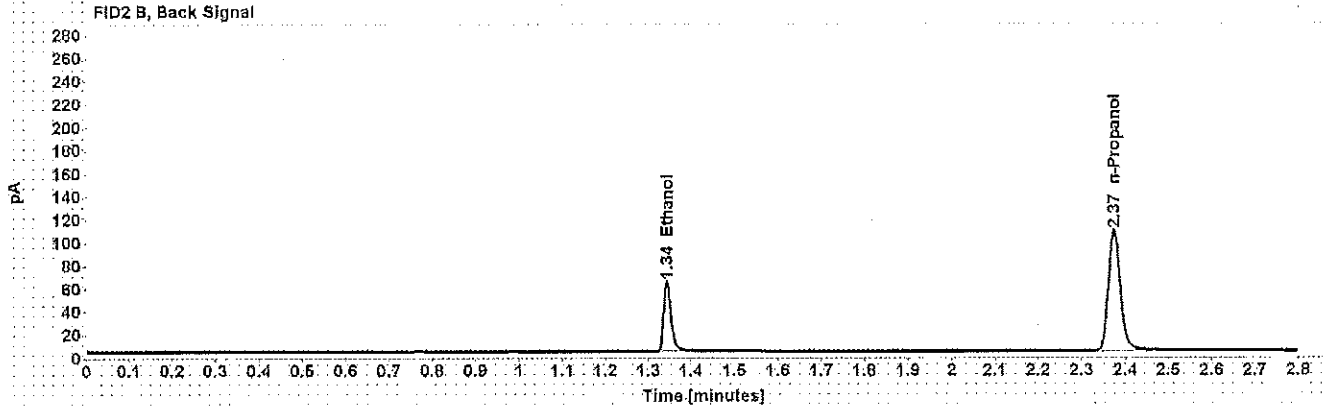
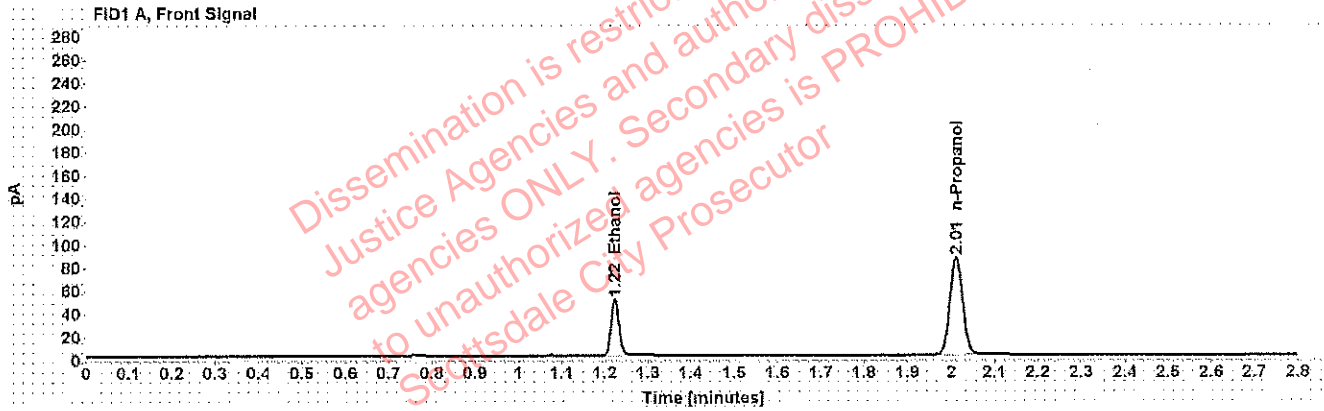


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	62.657
n-Propanol	2.012	173.205

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

Compound	Time (min)	Peak Area
Ethanol	1.344	73.711
n-Propanol	2.374	202.028

# Scottsdale Police Department Crime Lab Volatiles Analysis

WVA

<b>Sample:</b> 0.200 Cerilliant FN07201502	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 12:15:10 PM	<b>Vial:</b> 3
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11Data\4Apr18\3.D	

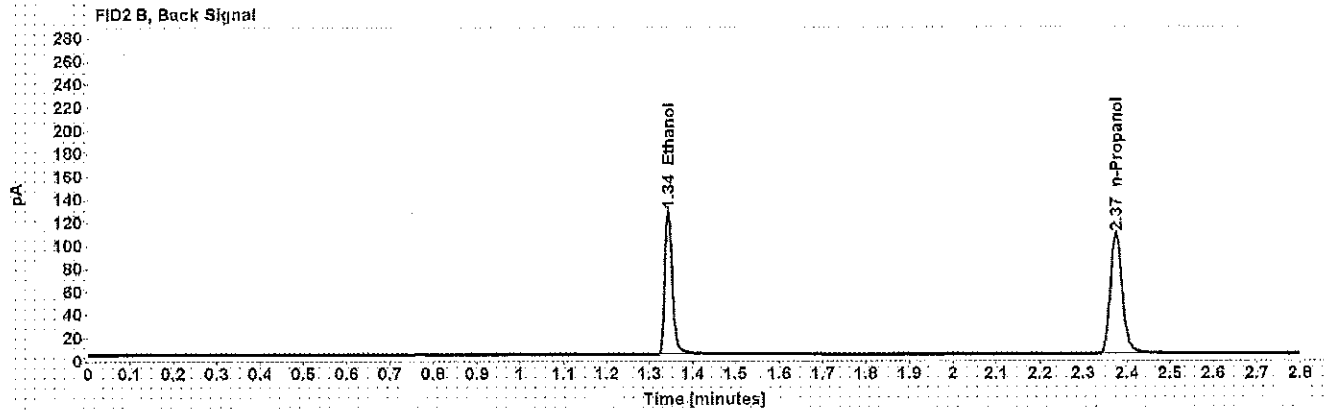
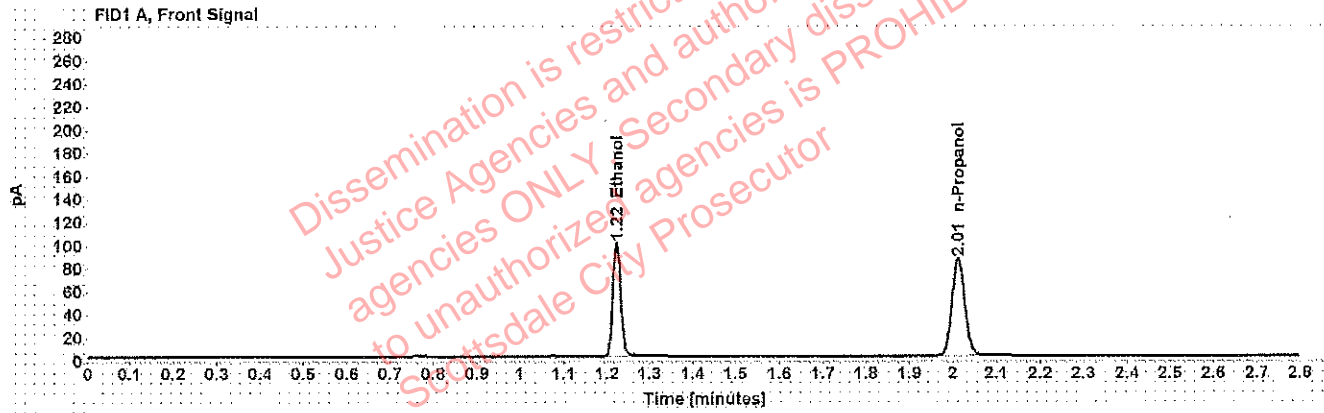


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	126.517
n-Propanol	2.012	172.734

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

Compound	Time (min)	Peak Area
Ethanol	1.344	151.073
n-Propanol	2.375	201.710

# Scottsdale Police Department Crime Lab Volatiles Analysis

WJA

<b>Sample:</b> 0.400 Cerilliant FN11191402	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 12:19:10 PM	<b>Vial:</b> 4
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\4Apr18\4.D	

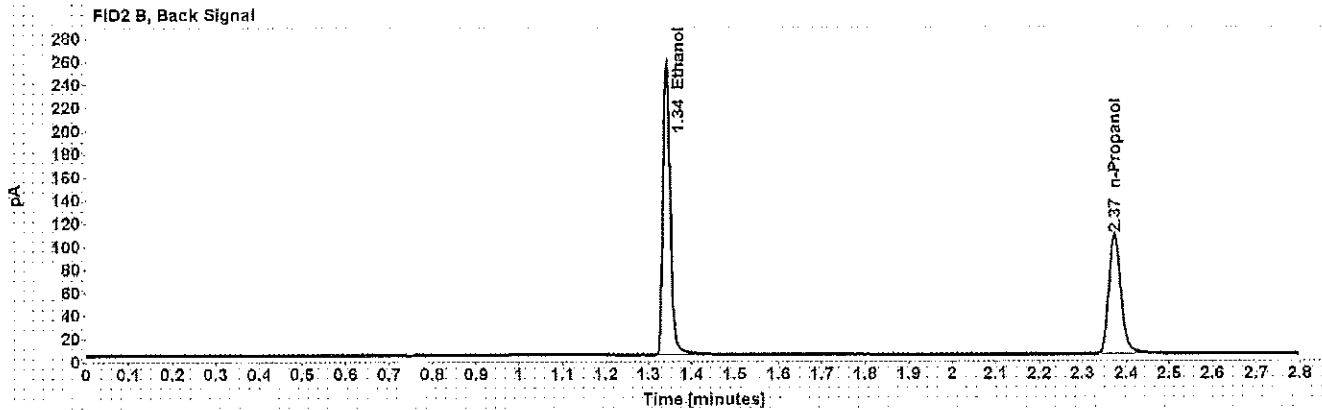
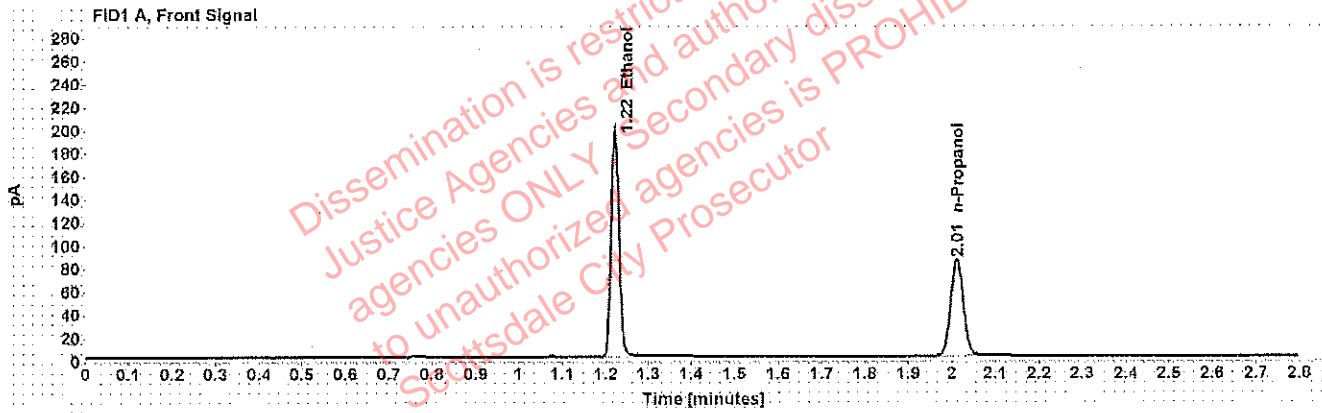


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	251.231
n-Propanol	2.012	171.332

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

Compound	Time (min)	Peak Area
Ethanol	1.342	301.745
n-Propanol	2.373	200.149

# Scottsdale Police Department Crime Lab Volatiles Analysis

wra

<b>Sample:</b> blank 010318	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 12:23:10 PM	<b>Vial:</b> 5
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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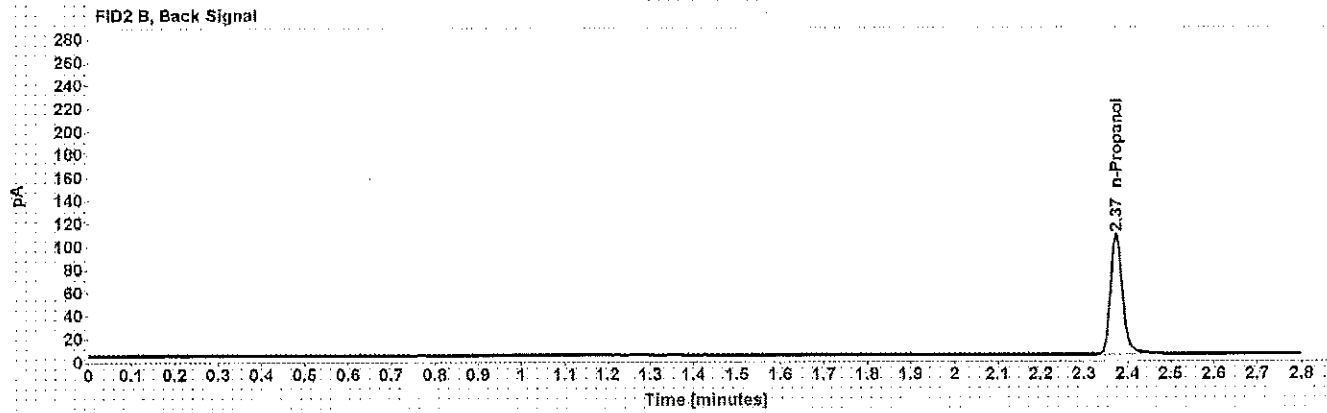


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.012	172.377

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

Compound	Time (min)	Peak Area
n-Propanol	2.374	200.868



# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> volatiles mix 020917 WLA	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 12:27:10 PM	<b>Vial:</b> 6
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\11\Data\4Apr18\6.D	

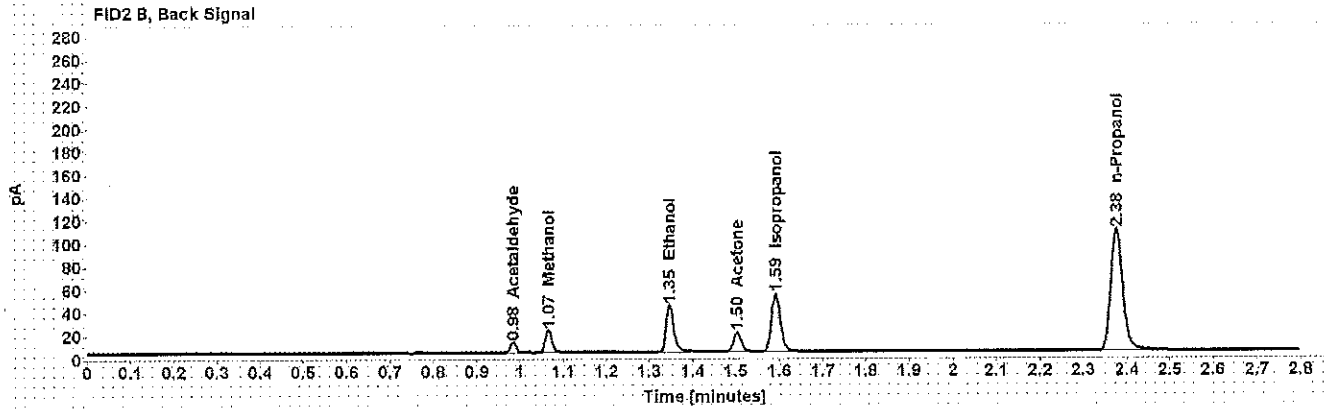
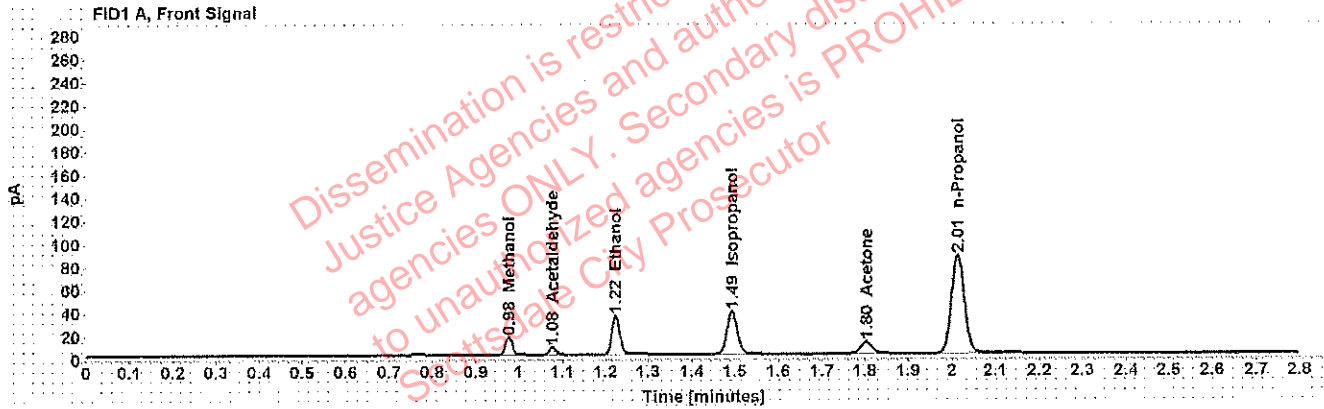


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.976	17.159
Acetaldehyde	-----	1.077	6.535
>Ethanol	0.0681	1.224	42.963
Isopropanol	-----	1.493	60.599
Acetone	-----	1.803	17.742
n-Propanol	-----	2.013	174.324

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	8.174
Methanol	1.066	20.680
Ethanol	1.346	50.944
Acetone	1.503	20.492
Isopropanol	1.592	72.619
n-Propanol	2.376	203.620



# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> 0.400 Lipomed 08012015-C	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 12:31:25 PM	<b>Vial:</b> 7
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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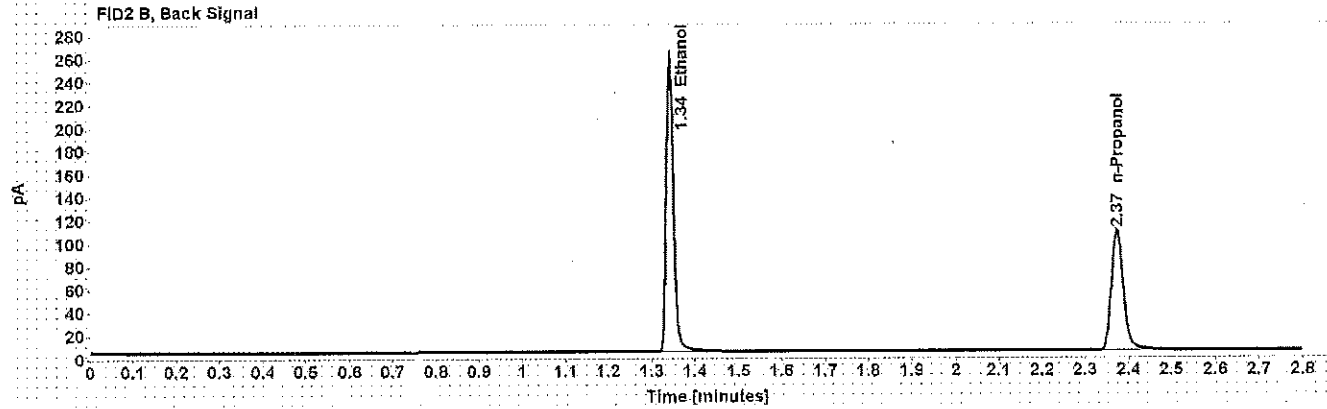
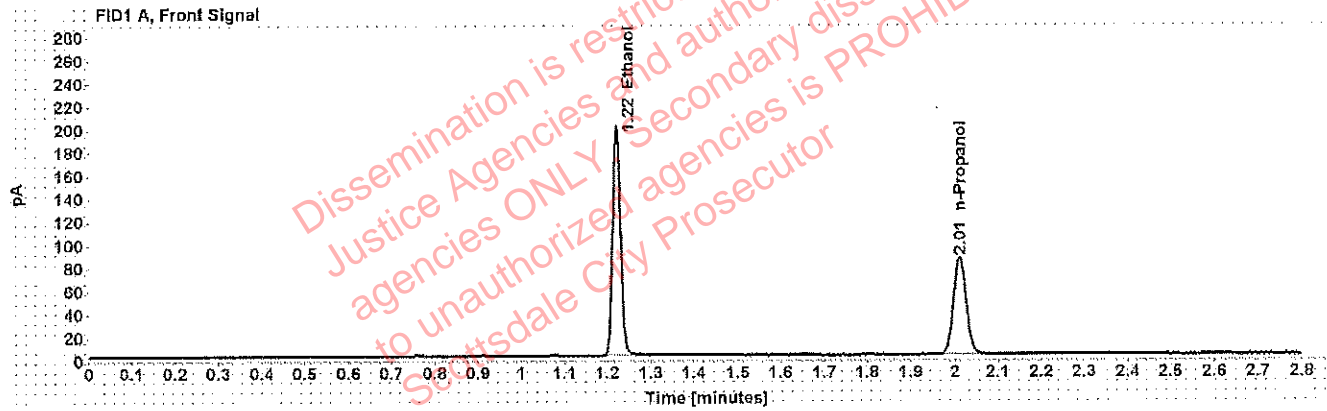


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4004	1.222	253.491
n-Propanol	-----	2.012	172.693

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

Compound	Time (min)	Peak Area
Ethanol	1.342	303.727
n-Propanol	2.374	202.034

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.040 Lipomed 09022015-A	Item number:
Injection date: 4/4/2018 12:35:25 PM	Vial: 8
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\8.D	

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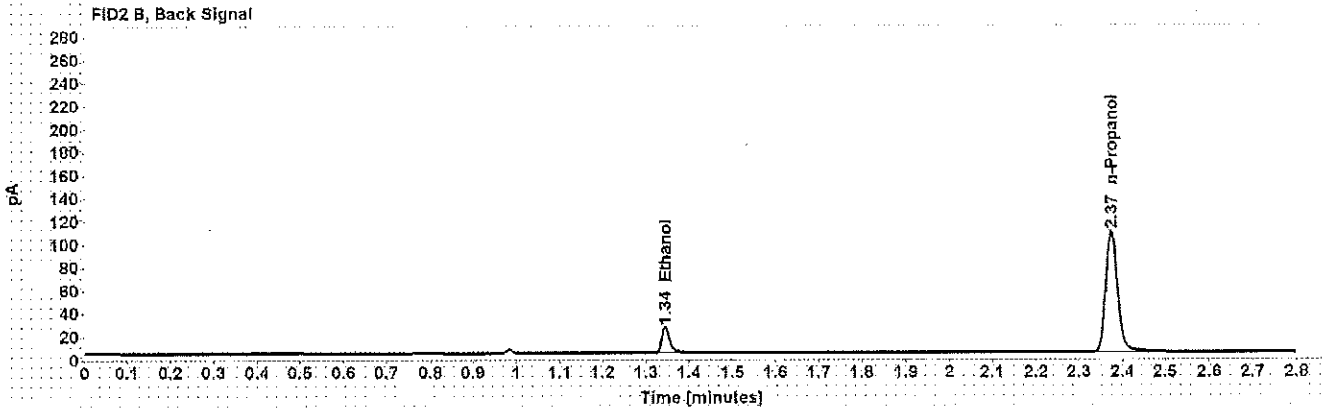
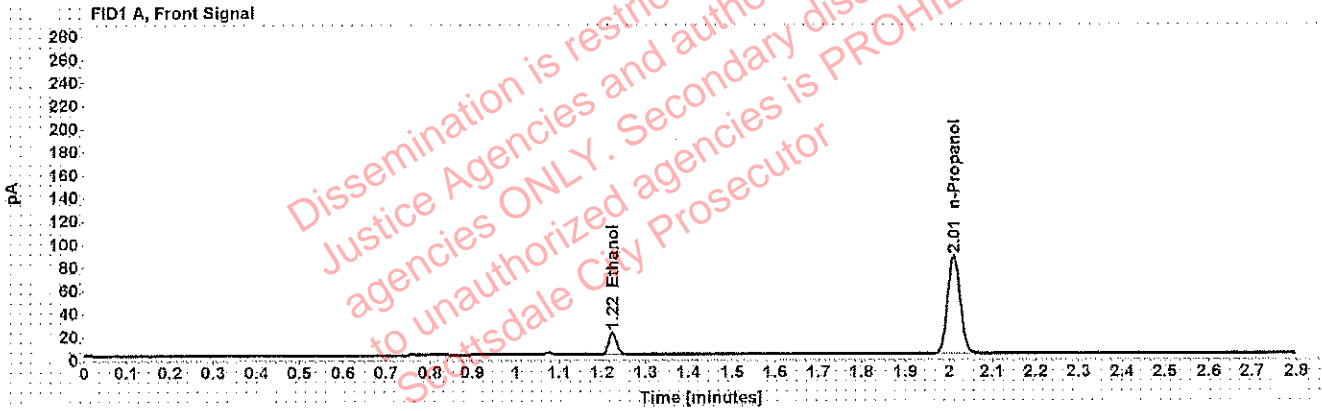


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0393	1.223	24.453
n-Propanol	-----	2.012	173.873

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

Compound	Time (min)	Peak Area
Ethanol	1.345	28.295
n-Propanol	2.374	202.737

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> 0.198 ACQ 407041529/3	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 12:39:25 PM	<b>Vial:</b> 9
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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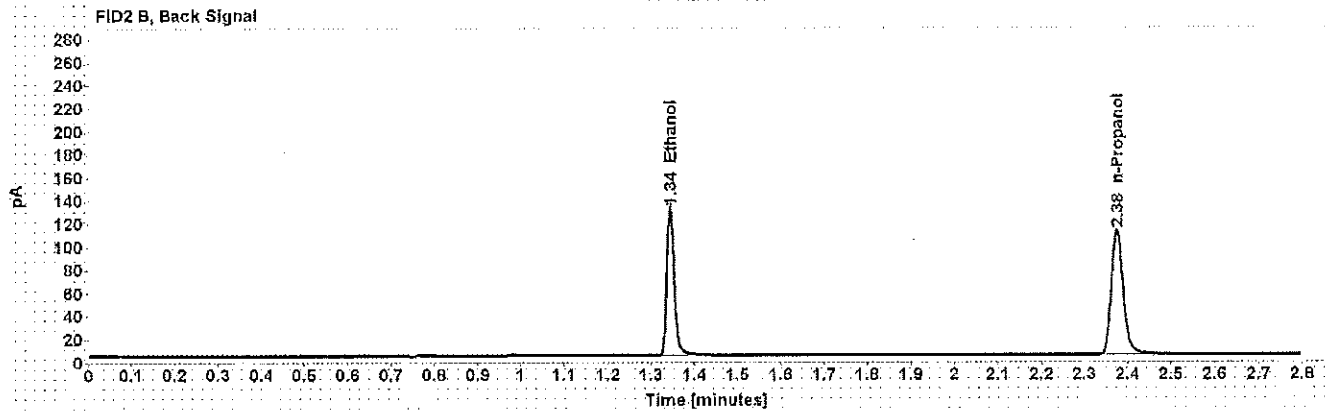
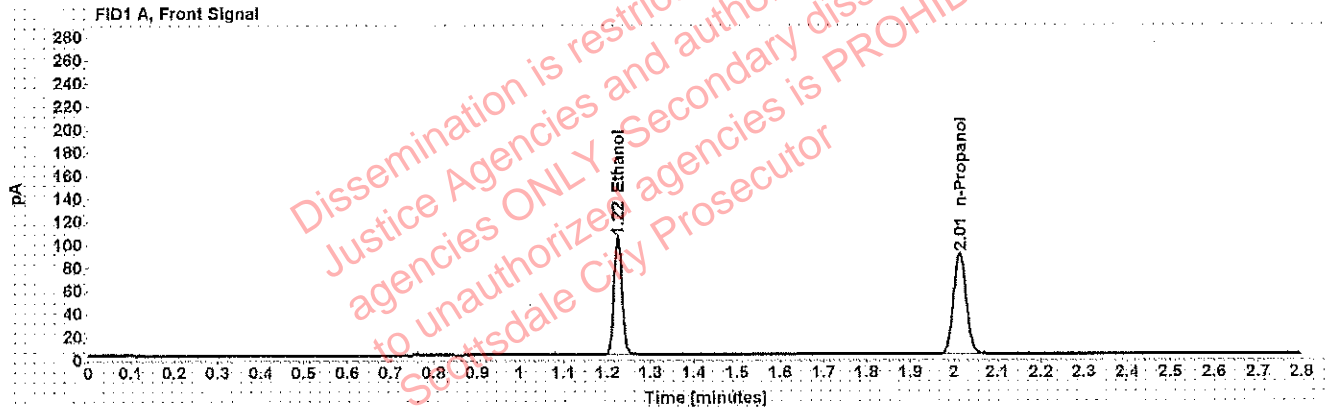


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1997	1.224	130.733
n-Propanol	-----	2.013	179.063

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

Compound	Time (min)	Peak Area
Ethanol	1.345	156.037
n-Propanol	2.376	209.310

# Scottsdale Police Department Crime Lab Volatiles Analysis

WAA

<b>Sample:</b> 0.080 Lipomed 28082014-B	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 1:23:55 PM	<b>Vial:</b> 20
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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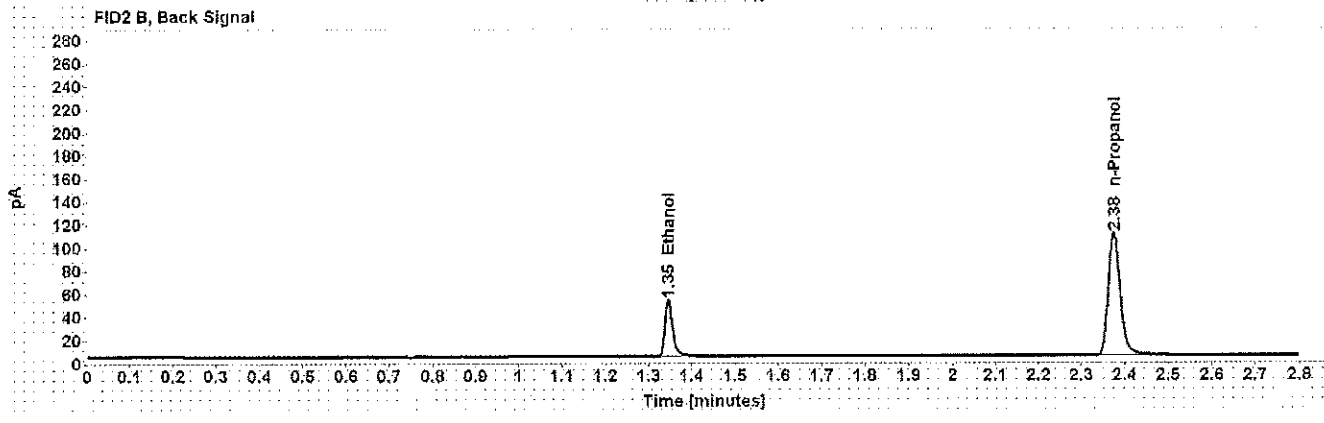
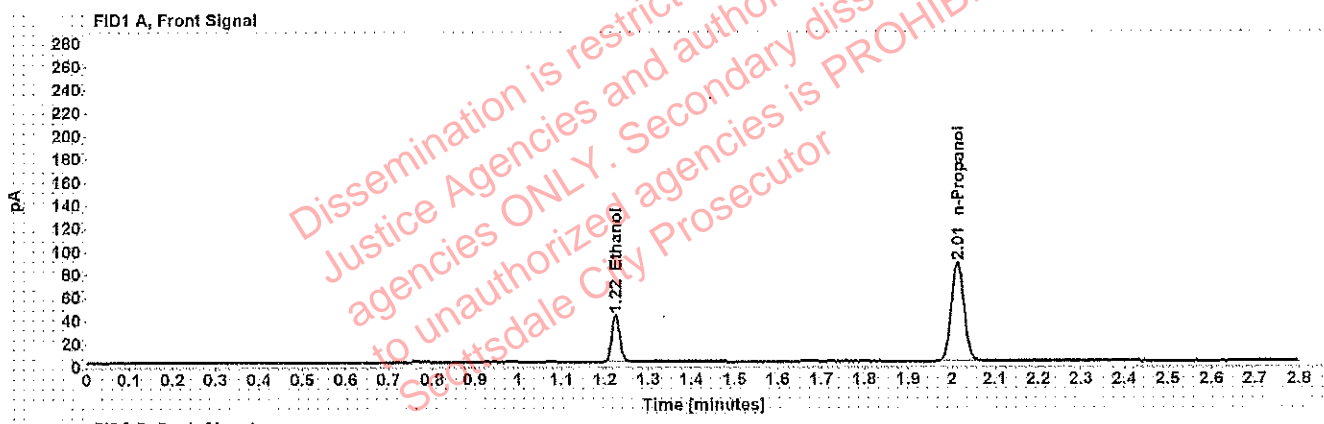


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0815	1.224	51.994
n-Propanol	-----	2.013	175.702

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

Compound	Time (min)	Peak Area
Ethanol	1.346	61.290
n-Propanol	2.376	205.148

# Scottsdale Police Department Crime Lab Volatiles Analysis

WFA

<b>Sample:</b> 0.150 Lipomed 09022015-C	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 2:08:25 PM	<b>Vial:</b> 31
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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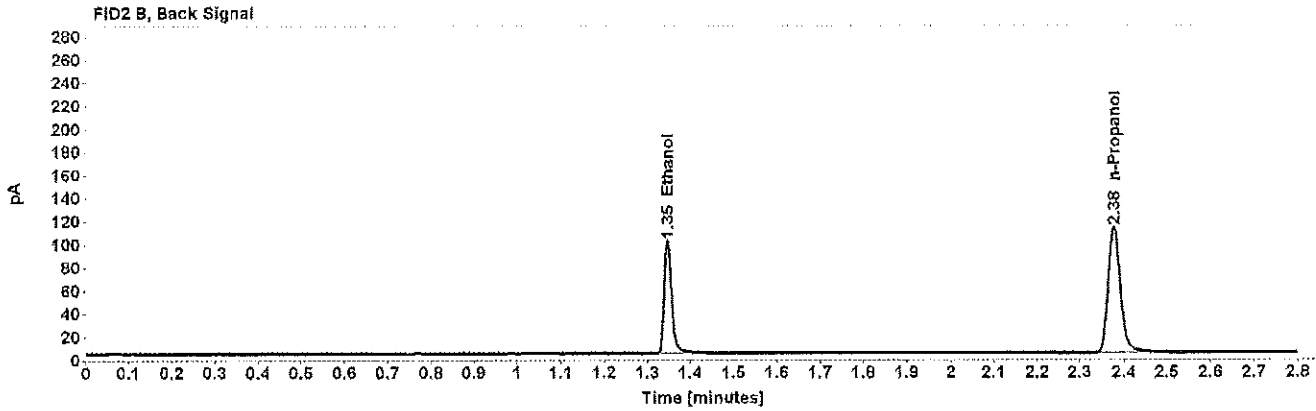
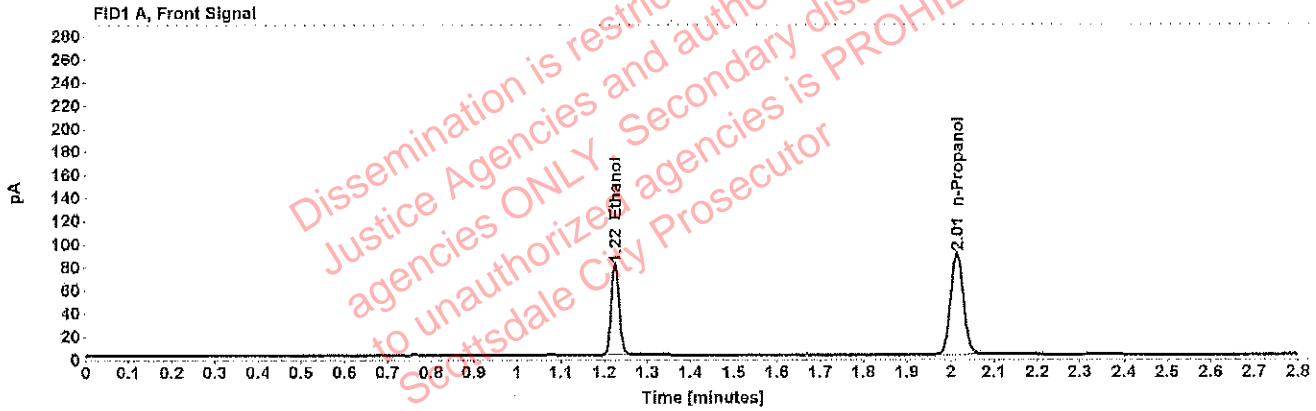


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1537	1.225	100.919
n-Propanol	-----	2.014	179.811

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

Compound	Time (min)	Peak Area
Ethanol	1.347	119.794
n-Propanol	2.377	210.756

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

<b>Sample:</b> 0.40 Lipomed 08012015-C	<b>Item number:</b>
<b>Injection date:</b> 4/4/2018 2:36:40 PM	<b>Vial:</b> 38
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
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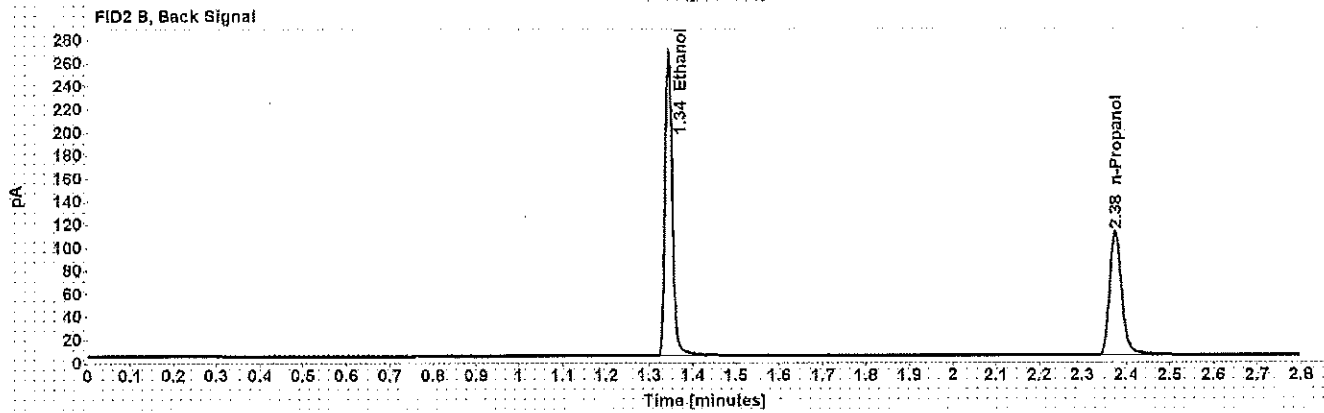
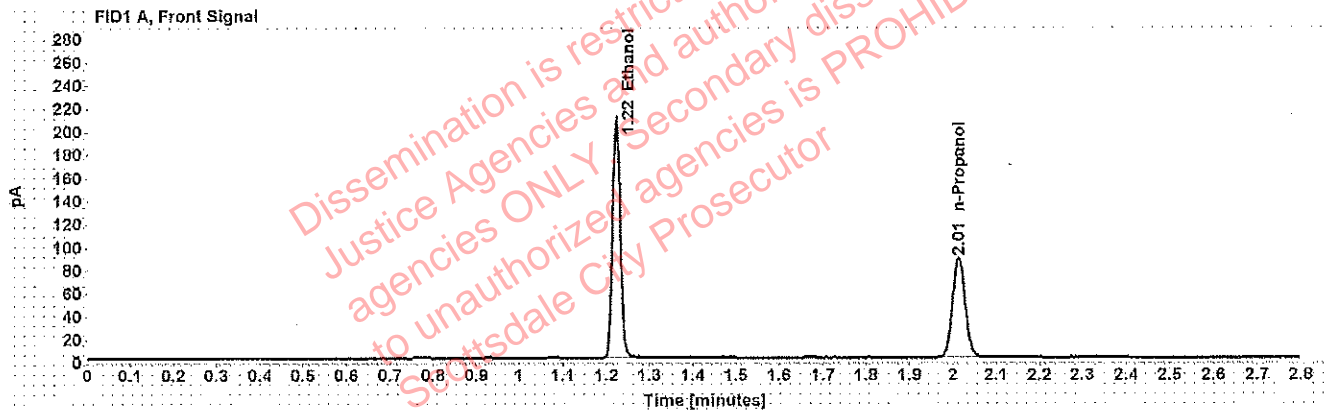


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4070	1.223	263.748
n-Propanol	-----	2.013	176.746

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

Compound	Time (min)	Peak Area
Ethanol	1.344	317.705
n-Propanol	2.376	207.923

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: 0.04 Lipomed 09022015-A	Item number:
Injection date: 4/4/2018 2:40:40 PM	Vial: 39
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
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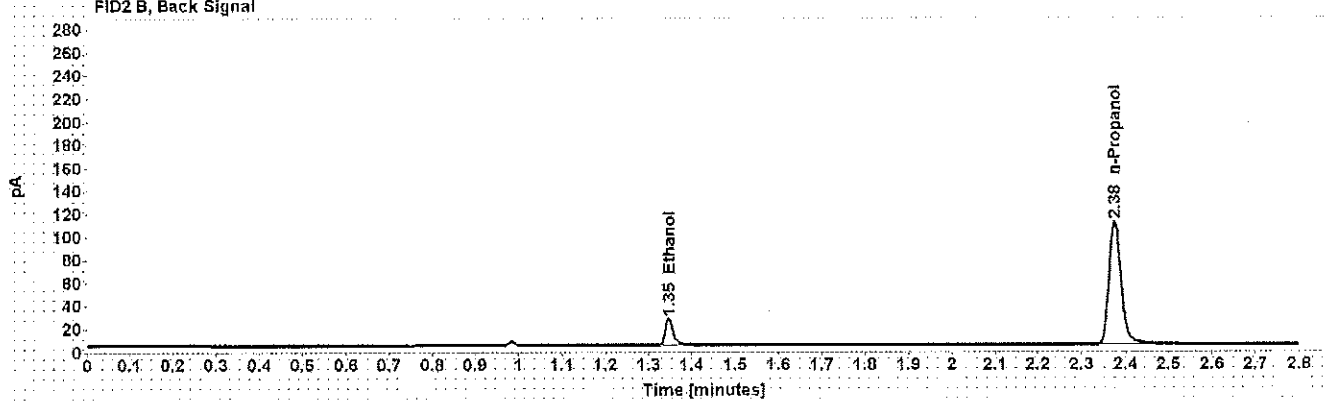
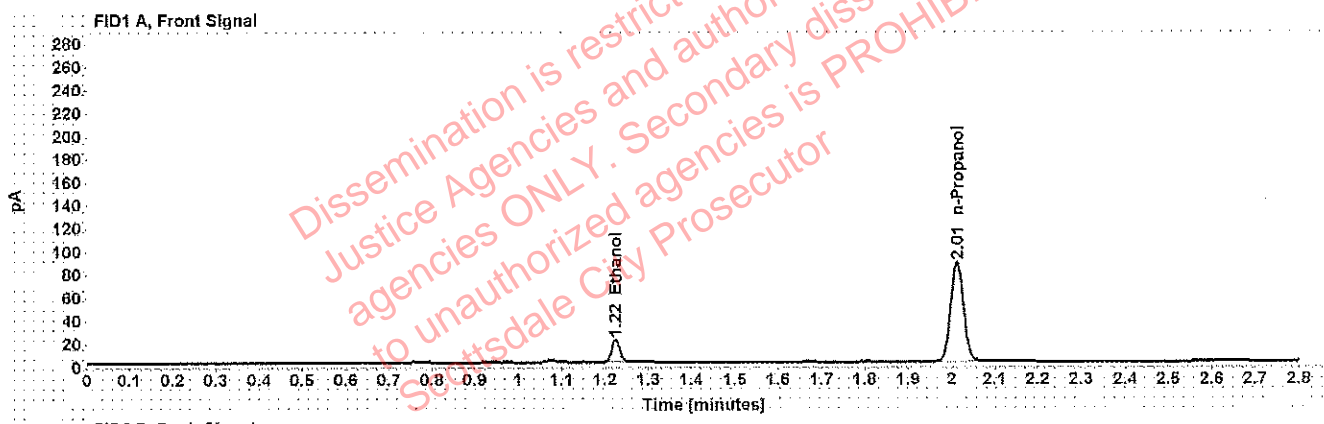


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0395	1.225	24.957
n-Propanol	-----	2.013	176.501

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

Compound	Time (min)	Peak Area
Ethanol	1.347	29.240
n-Propanol	2.375	206.843



# Scottsdale Police Department Crime Lab Volatiles Analysis

W/A

Sample: 0.198 ACQ 407041529/3	Item number:
Injection date: 4/4/2018 2:44:40 PM	Vial: 40
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\40.D	

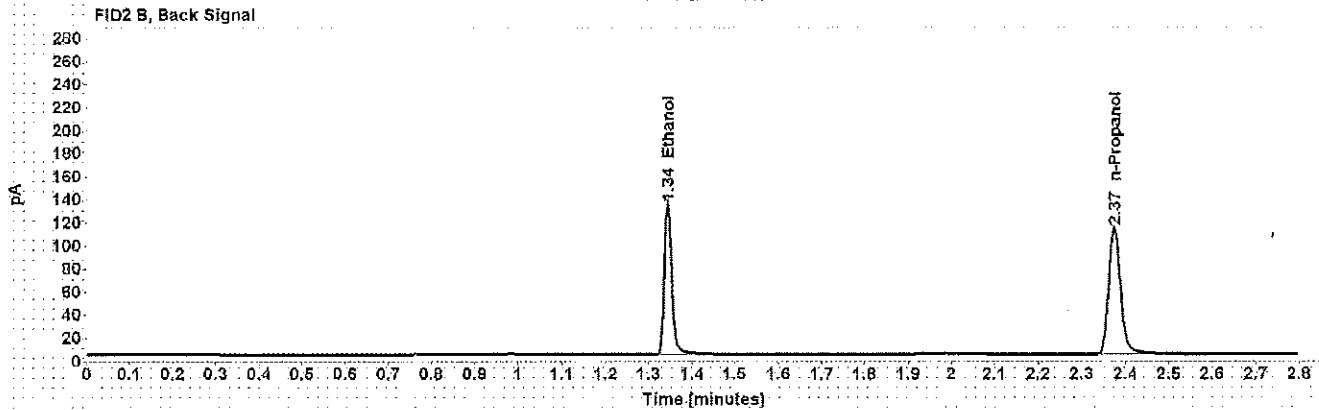
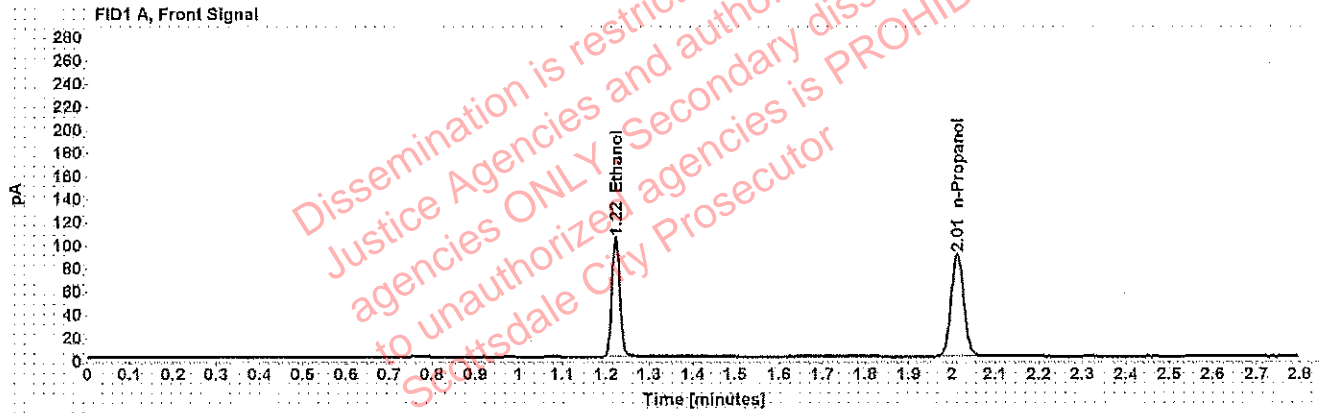


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2005	1.223	132.829
n-Propanol	-----	2.012	181.196

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

Compound	Time (min)	Peak Area
Ethanol	1.343	158.712
n-Propanol	2.374	212.345

# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample: blank 010318	Item number:
Injection date: 4/4/2018 2:48:40 PM	Vial: 41
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\41.D	

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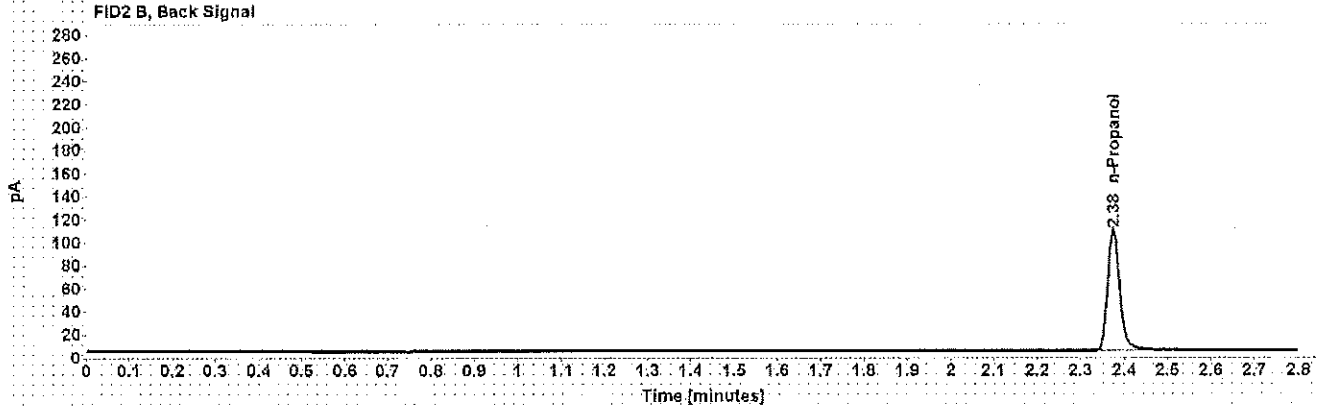
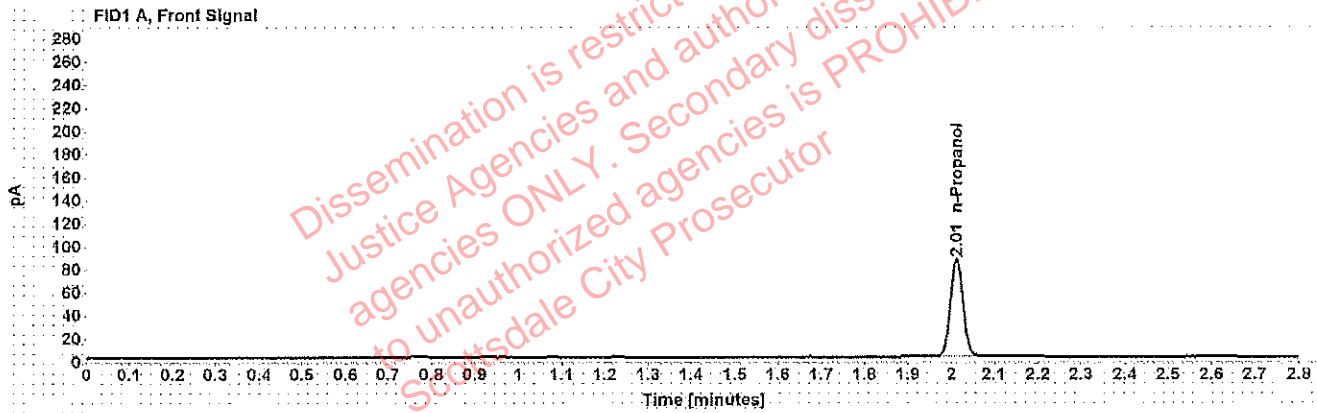


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	173.156

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

Compound	Time (min)	Peak Area
n-Propanol	2.375	202.589

# Sequence Summary

Sequence name: 4Apr18      Instrument: US14173023 CN14160045      Analyst: Adrian

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN03241604	Calibration		ethanol quant.M
2	0.100 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.200 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.400 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 010318	Control		ethanol quant.M
6	volatiles mix 020917 WLA	Control		ethanol quant.M
7	0.400 Lipomed 08012015-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.198 ACQ 407041529/3	Control		ethanol quant.M
10		Sample	1198417	ethanol quant.M
11		Sample	1198417	ethanol quant.M
12		Sample	320-01A	ethanol quant.M
13		Sample	320-01A	ethanol quant.M
14		Sample	338-01A	ethanol quant.M
15		Sample	338-01A	ethanol quant.M
16		Sample	1206301	ethanol quant.M
17		Sample	1206301	ethanol quant.M
18		Sample	1206695	ethanol quant.M
19		Sample	1206695	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21		Sample	1205466	ethanol quant.M
22		Sample	1205466	ethanol quant.M
23		Sample	1186112	ethanol quant.M
24		Sample	1186112	ethanol quant.M
25		Sample	1172512	ethanol quant.M
26		Sample	1172512	ethanol quant.M
27		Sample	333-01A	ethanol quant.M
28		Sample	333-01A	ethanol quant.M
29		Sample	1203206	ethanol quant.M
30		Sample	1203206	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32		Sample	1202977	ethanol quant.M
33		Sample	1202977	ethanol quant.M
34		Sample	1203426	ethanol quant.M
35		Sample	1203426	ethanol quant.M
36		Sample	1180458	ethanol quant.M
37		Sample	1180458	ethanol quant.M
38	0.40 Lipomed 08012015-C	Control		ethanol quant.M
39	0.04 Lipomed 09022015-A	Control		ethanol quant.M
40	0.198 ACQ 407041529/3	Control		ethanol quant.M
41	blank 010318	Control		ethanol quant.M

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

WAA

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 4Apr18

ANALYST: Adrian WA

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0963	0.0955	0.09590	0.42	0.00040
12 13	0.2376	0.2393	0.23845	0.36	0.00085
14 15	0.2056	0.2042	0.20490	0.34	0.00070
16 17	0.0806	0.0811	0.08085	0.31	0.00025
18 19	0.0814	0.0814	0.08140	0.00	0.00000
21 22	0.1742	0.1751	0.17465	0.26	0.00045
23 24	0.1674	0.1669	0.16715	0.15	0.00025
25 26	0.2292	0.2312	0.23020	0.43	0.00100
27 28	0.0655	0.0649	0.06520	0.46	0.00030
29 30	0.2019	0.2061	0.20400	1.03	0.00210
32 33	0.1117	0.1116	0.11165	0.04	0.00005
34 35	0.2078	0.2063	0.20705	0.36	0.00075
36 37	0.1769	0.1775	0.17720	0.17	0.00030

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

Dissemination of restricted criminal justice agencies only. Security dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1198417
Injection date: 4/4/2018 12:43:25 PM	Vial: 10
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\10.D	

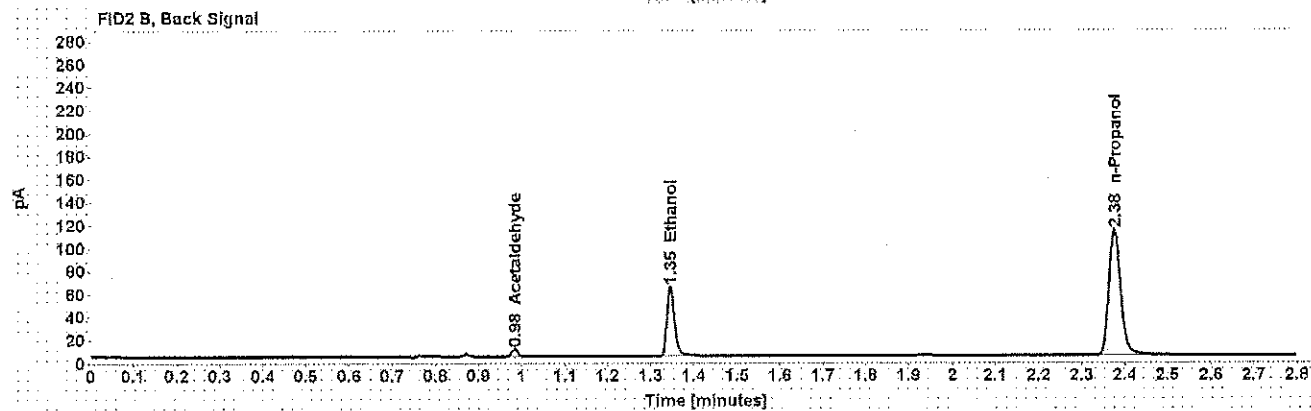
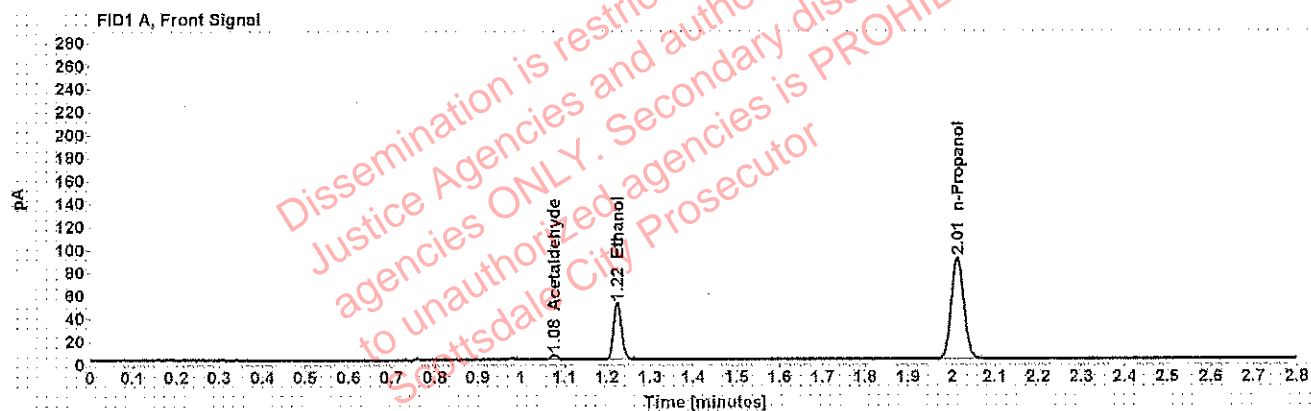


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.626
>Ethanol	0.0963	1.224	63.385
n-Propanol	-----	2.013	181.054

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.782
Ethanol	1.345	74.015
n-Propanol	2.376	211.818

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1198417
Injection date: 4/4/2018 12:47:25 PM	Vial: 11
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\11.D	

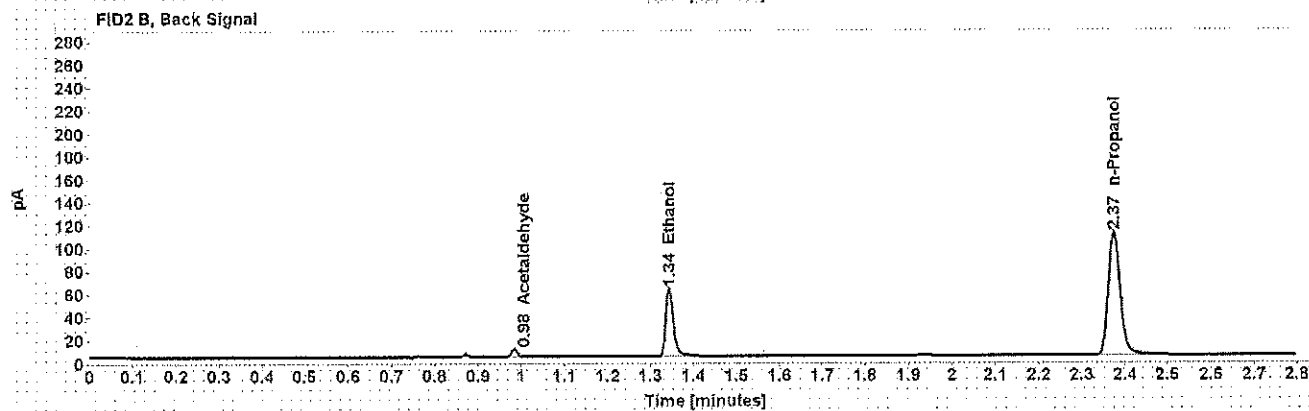
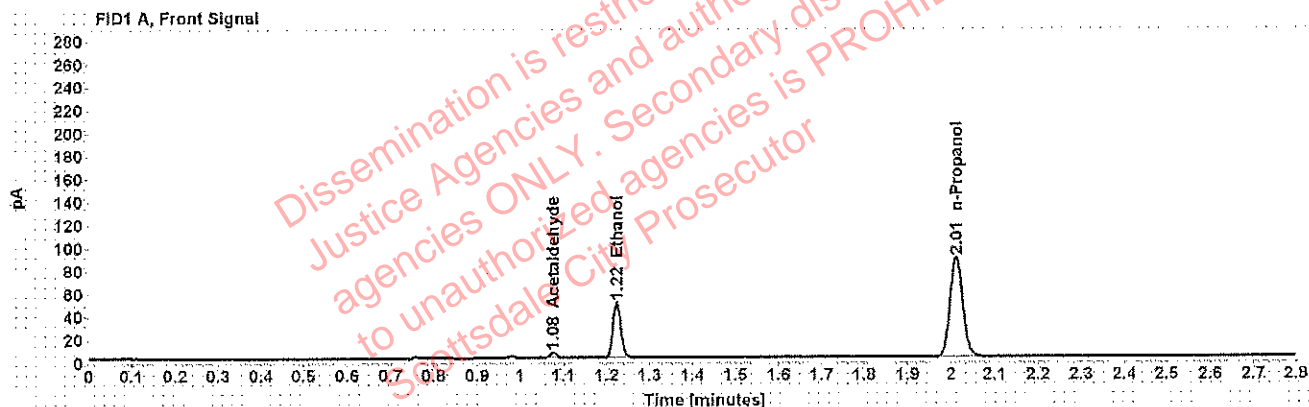


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.076	4.787
>Ethanol	0.0955	1.223	61.655
n-Propanol	-----	2.012	177.561

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	6.027
Ethanol	1.344	71.874
n-Propanol	2.374	207.797

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 320-01A
Injection date: 4/4/2018 12:51:25 PM	Vial: 12
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\12.D	

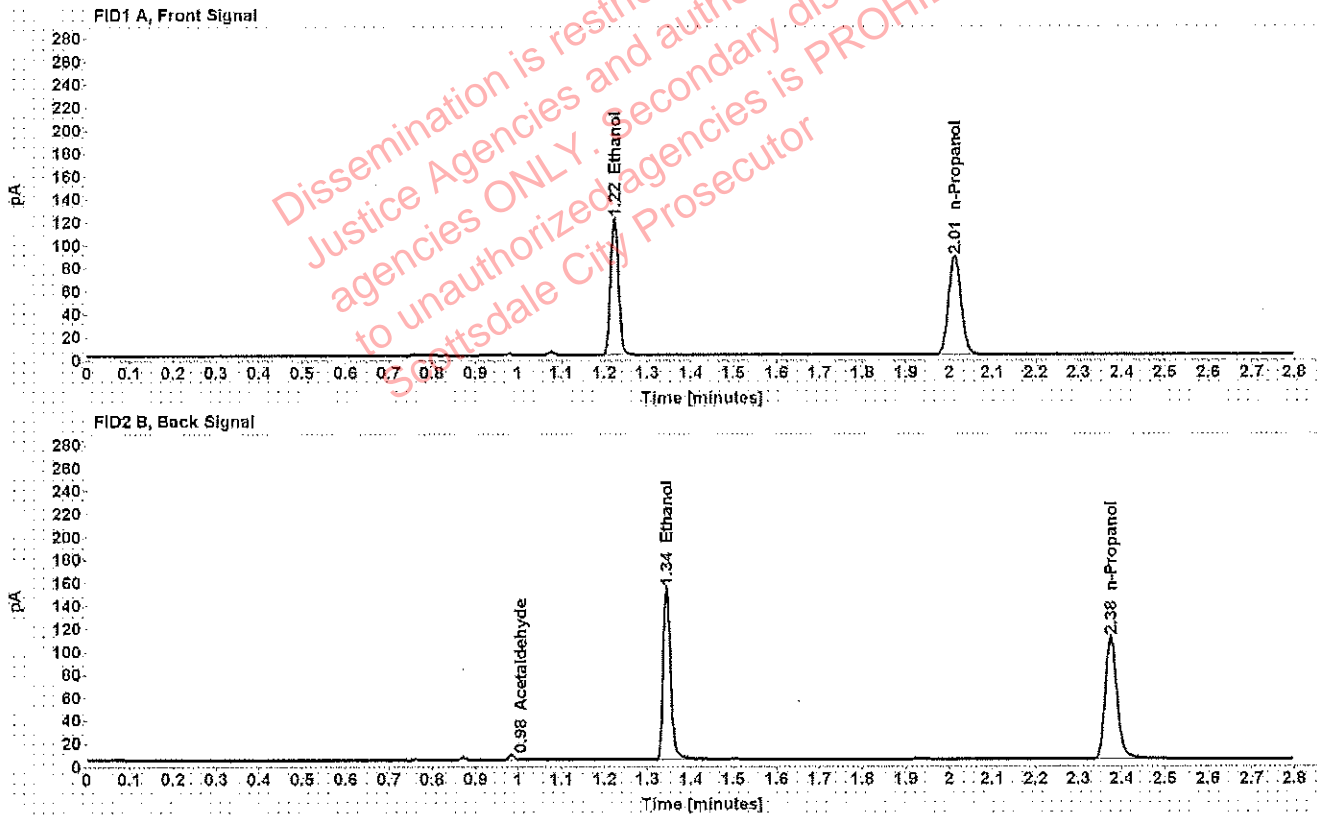


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2376	1.223	152.870
n-Propanol	-----	2.013	175.823

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.934
Ethanol	1.344	181.476
n-Propanol	2.375	206.295



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 320-01A
Injection date: 4/4/2018 12:55:40 PM	Vial: 13
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\13.D	

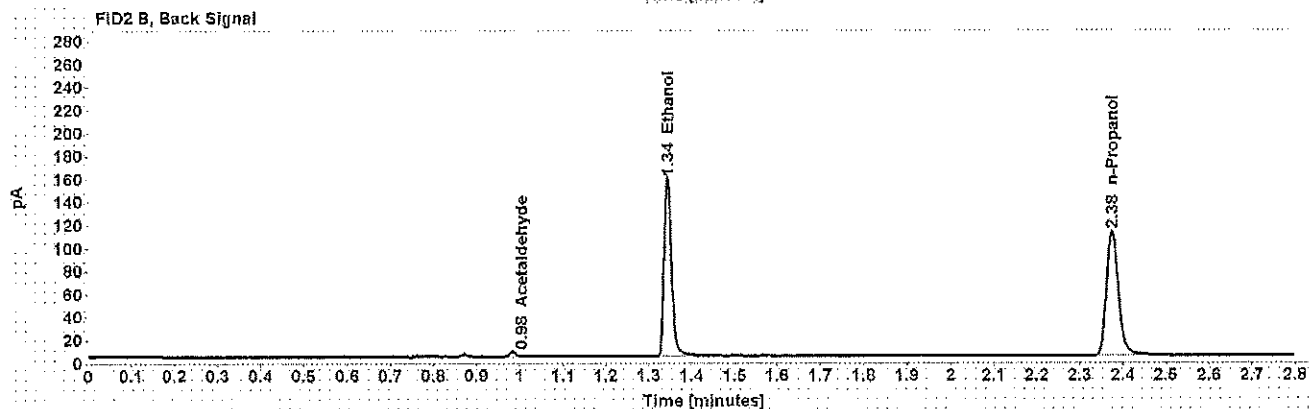
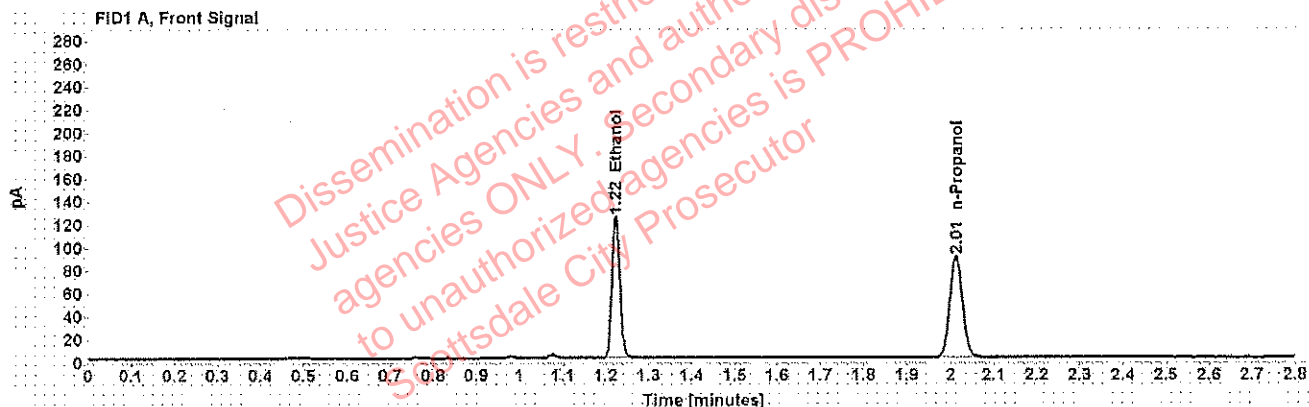


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2393	1.223	157.398
n-Propanol	-----	2.013	179.688

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.941
Ethanol	1.344	187.328
n-Propanol	2.375	211.450

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 338-01A
<b>Injection date:</b> 4/4/2018 12:59:40 PM	<b>Vial:</b> 14
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\4Apr18\14.D	

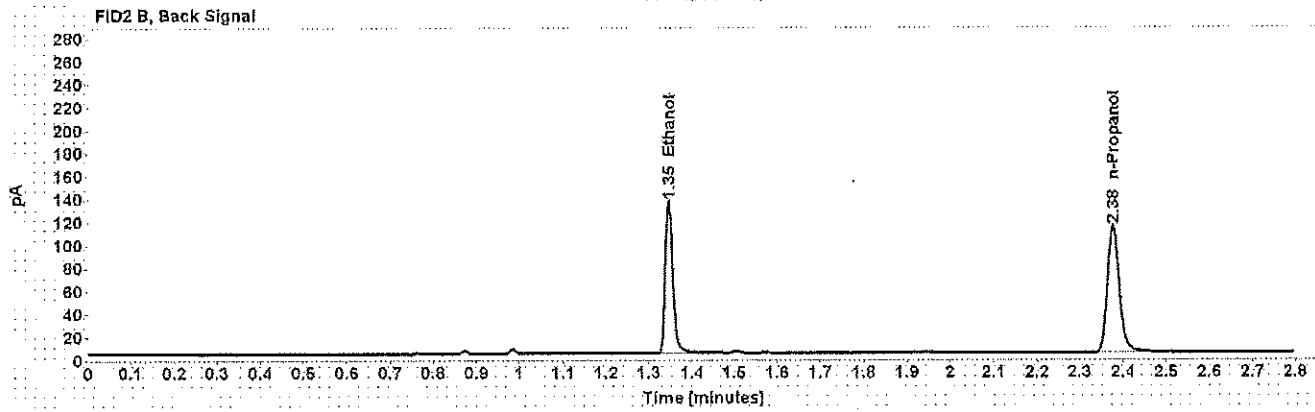
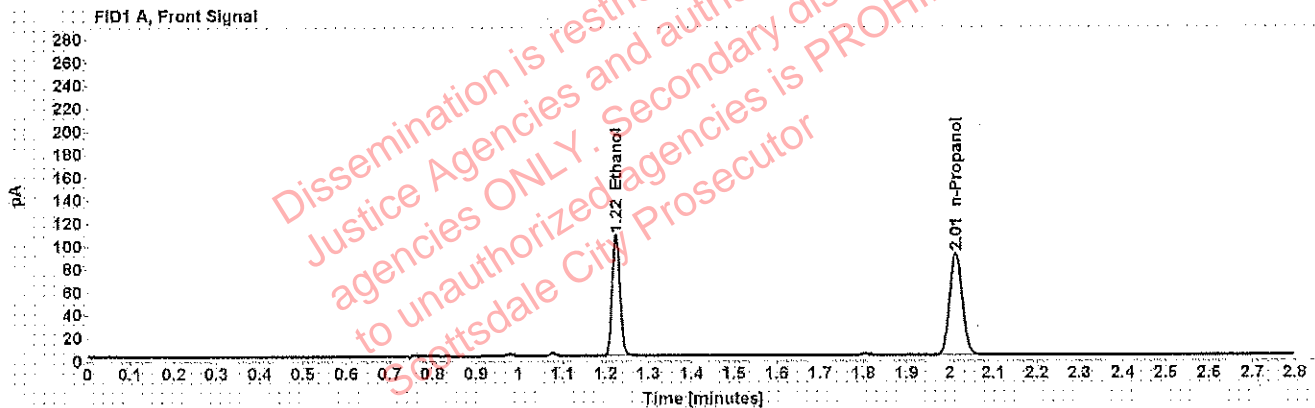


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2056	1.224	136.073
n-Propanol	-----	2.014	180.997

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

Compound	Time (min)	Peak Area
Ethanol	1.346	162.782
n-Propanol	2.377	212.929

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 338-01A
Injection date: 4/4/2018 1:03:40 PM	Vial: 15
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\15.D	

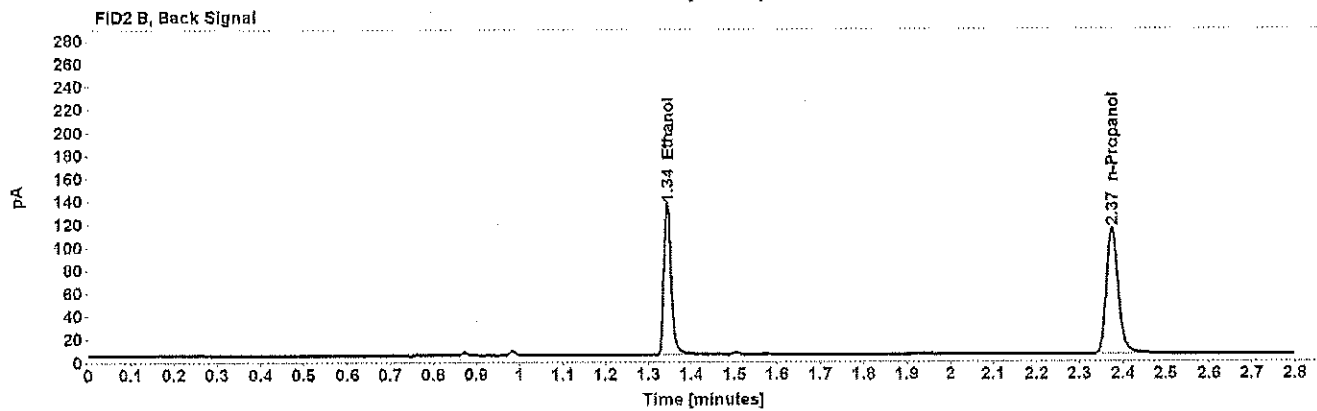
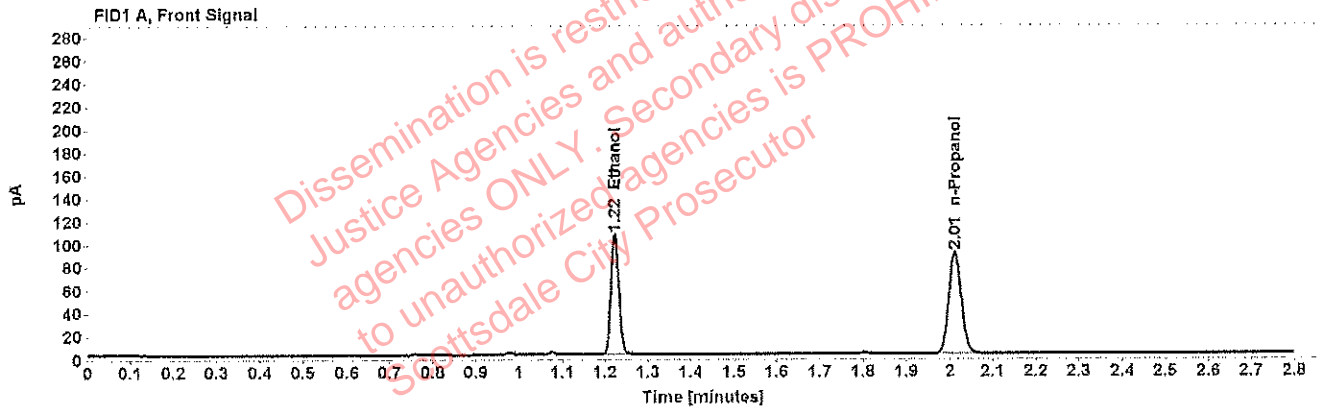


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2042	1.223	134.388
n-Propanol	-----	2.013	179.950

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

Compound	Time (min)	Peak Area
Ethanol	1.344	160.881
n-Propanol	2.375	211.840

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1206301
Injection date: 4/4/2018 1:07:40 PM	Vial: 16
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\16.D	

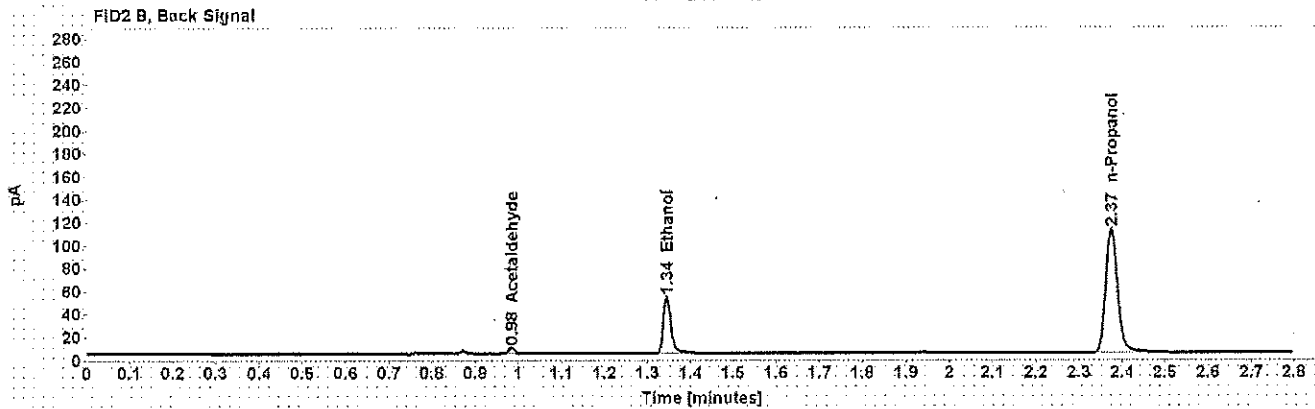
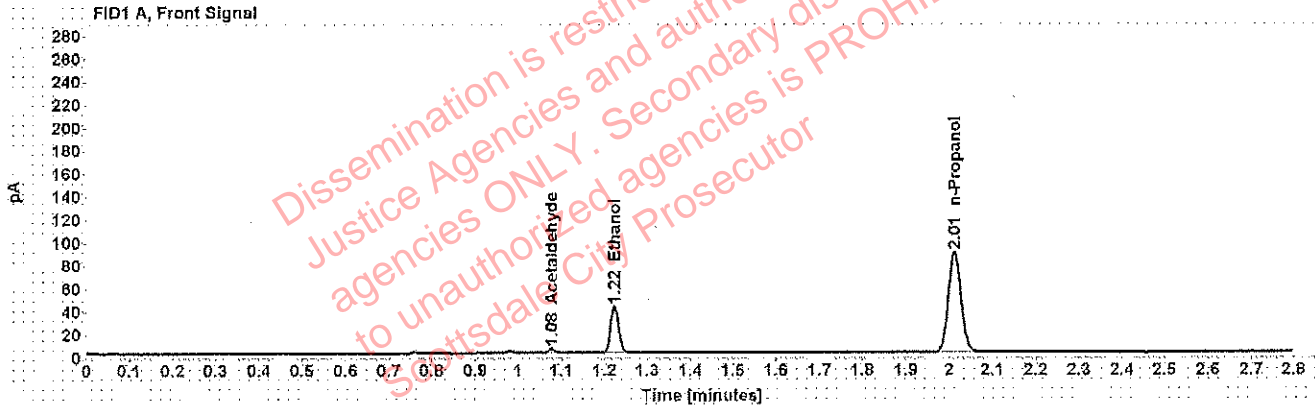


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.781
>Ethanol	0.0806	1.223	52.207
n-Propanol	-----	2.012	178.437

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.838
Ethanol	1.344	60.829
n-Propanol	2.375	209.475

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1206301
Injection date: 4/4/2018 1:11:40 PM	Vial: 17
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\17.D	

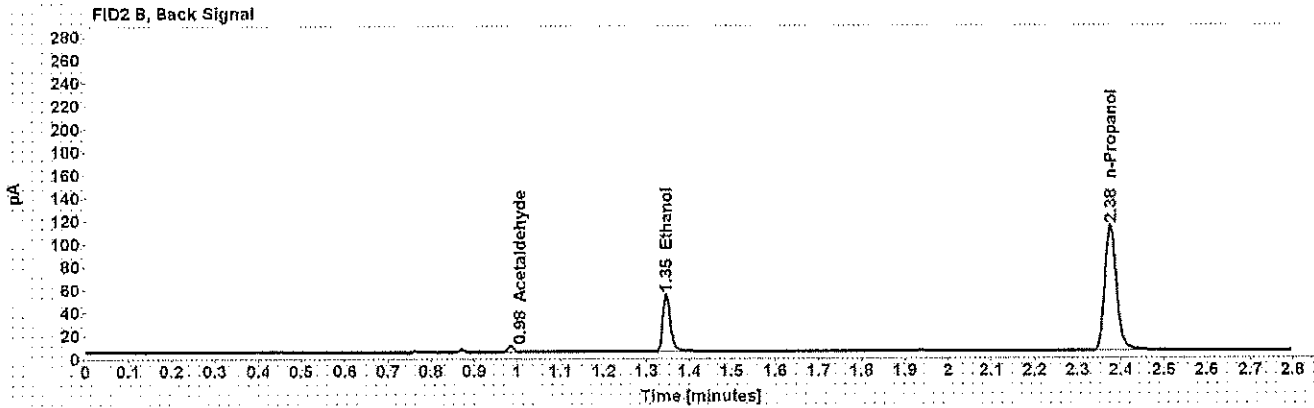
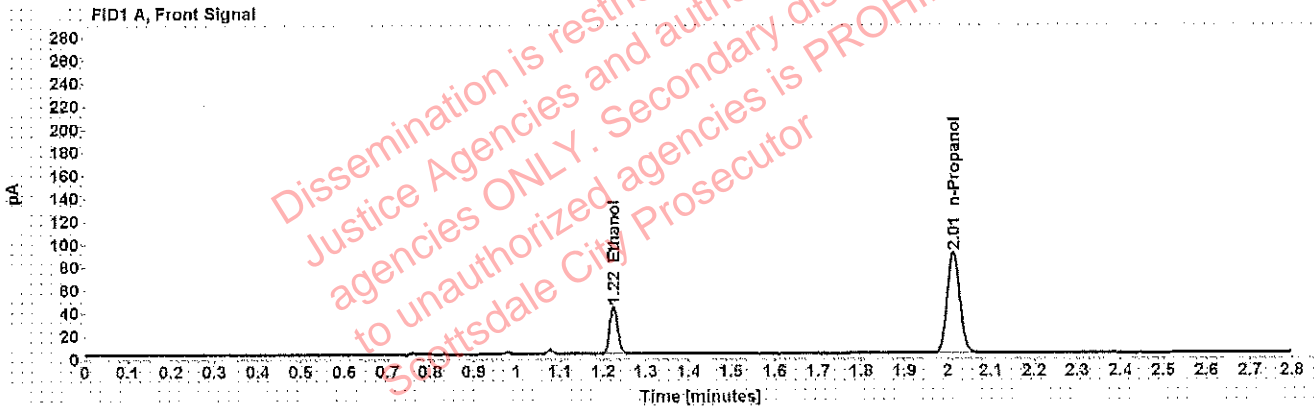


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0811	1.224	52.921
n-Propanol	-----	2.013	179.927

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.623
Ethanol	1.346	61.378
n-Propanol	2.376	210.743

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1206695
Injection date: 4/4/2018 1:15:40 PM	Vial: 18
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\18.D	

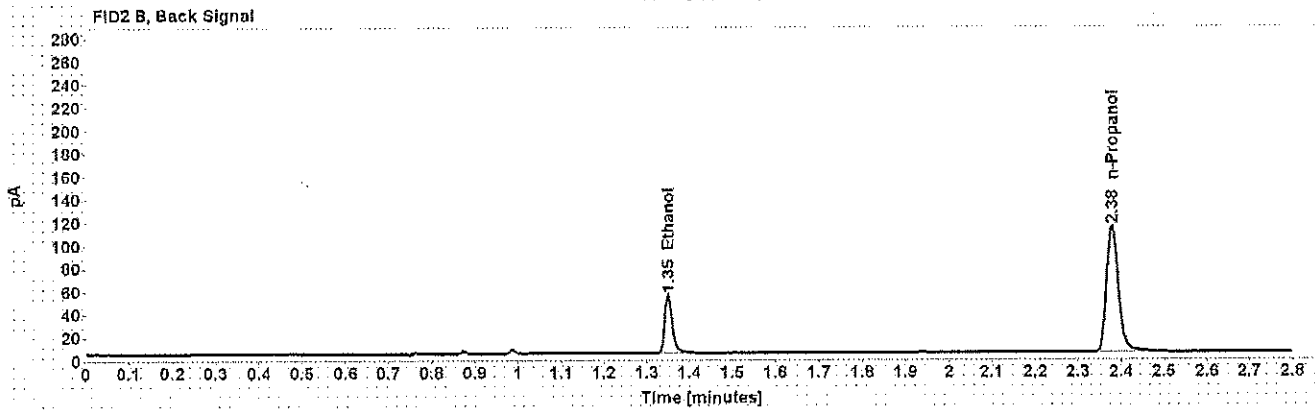
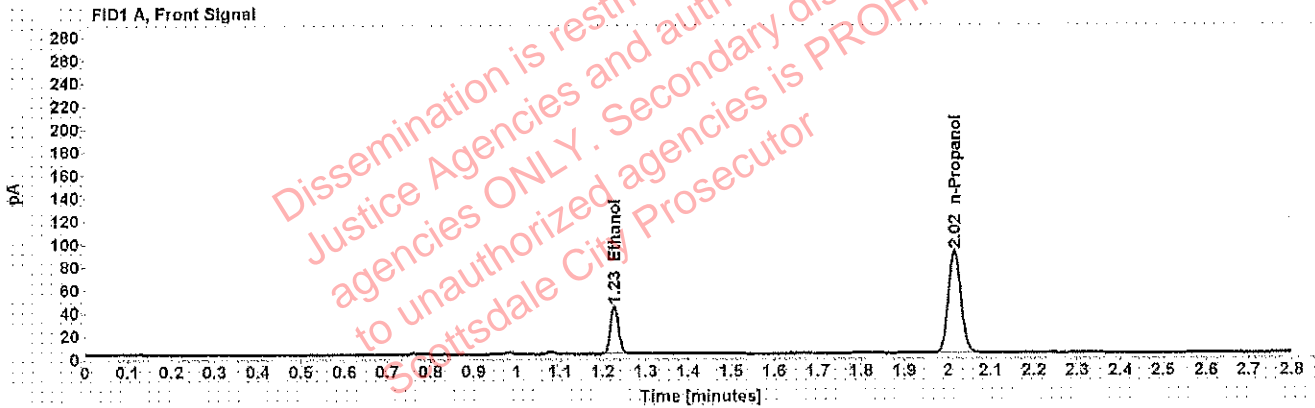


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.227	53.725
n-Propanol	-----	2.016	181.916

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

Compound	Time (min)	Peak Area
Ethanol	1.350	63.011
n-Propanol	2.379	213.049

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1206695
Injection date: 4/4/2018 1:19:55 PM	Vial: 19
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\19.D	

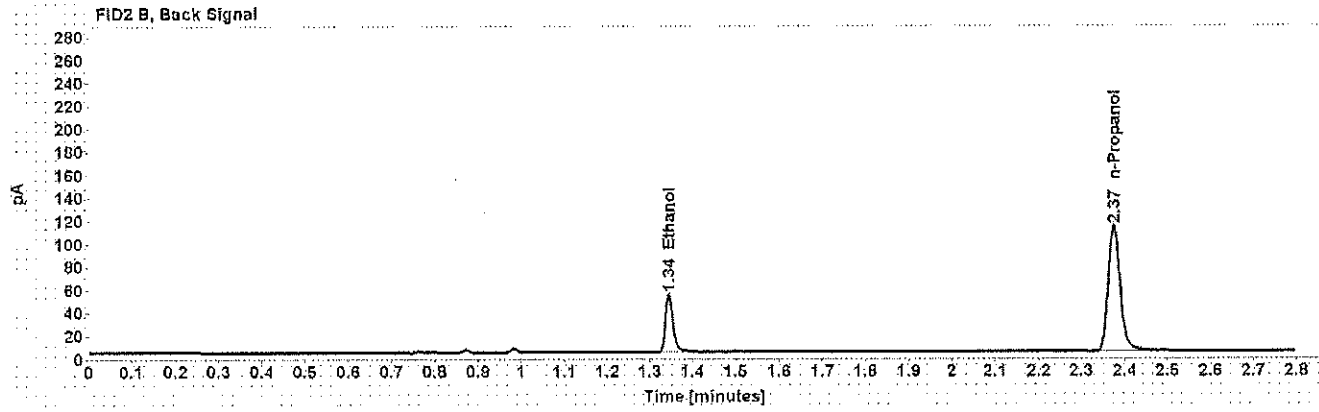
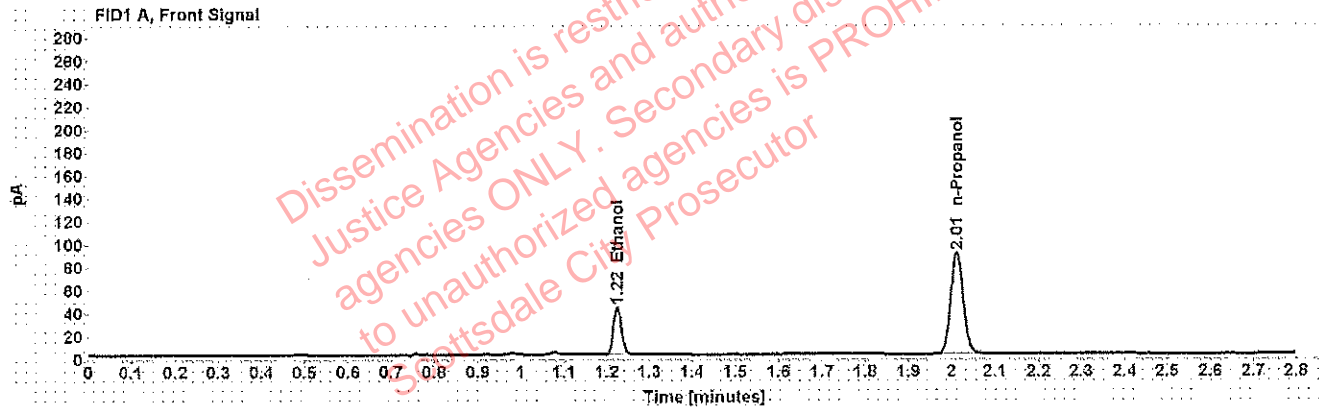


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.224	53.328
n-Propanol	-----	2.013	180.454

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

Compound	Time (min)	Peak Area
Ethanol	1.345	62.192
n-Propanol	2.375	211.915



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1205466
Injection date: 4/4/2018 1:27:55 PM	Vial: 21
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\21.D	

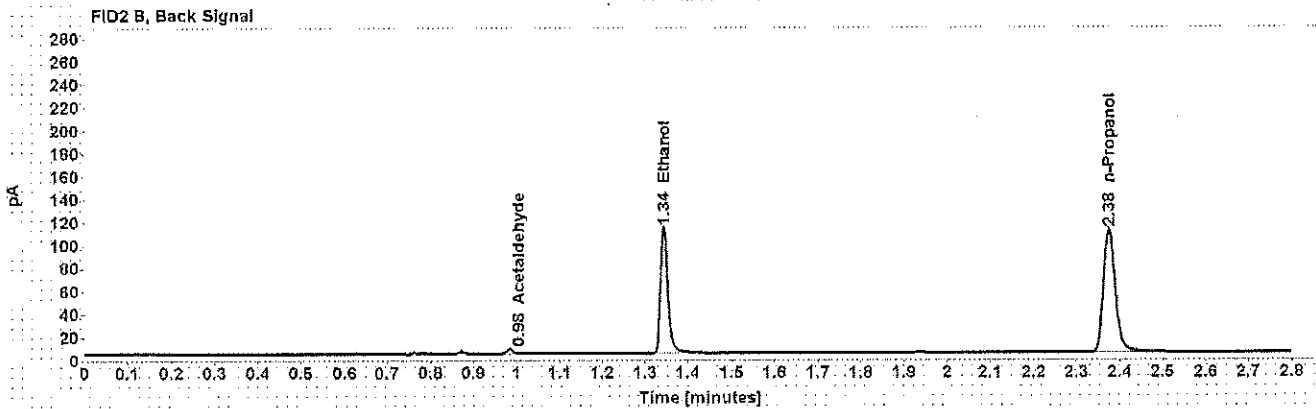
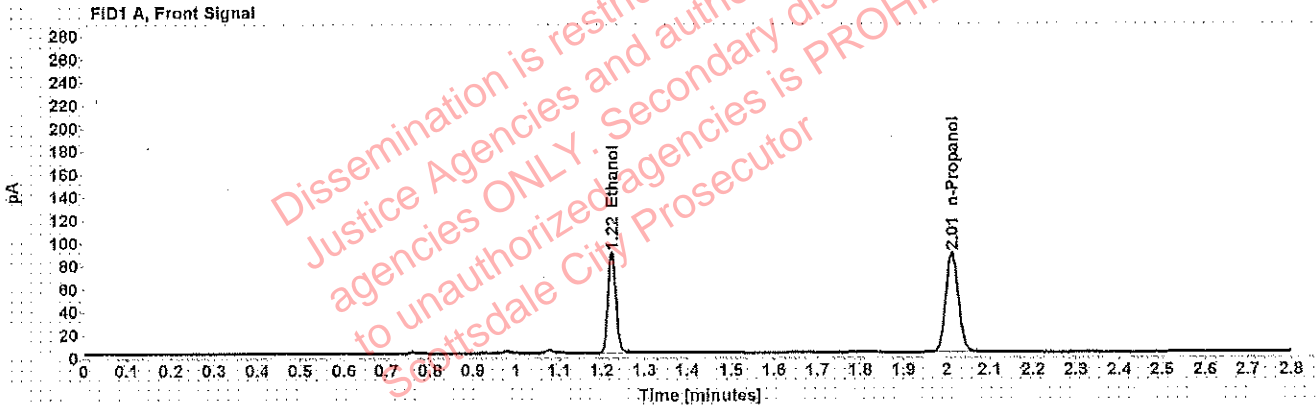


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1742	1.223	112.877
n-Propanol	-----	2.013	177.306

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.879
Ethanol	1.345	133.899
n-Propanol	2.375	208.006

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1205466
Injection date: 4/4/2018 1:31:55 PM	Vial: 22
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\22.D	

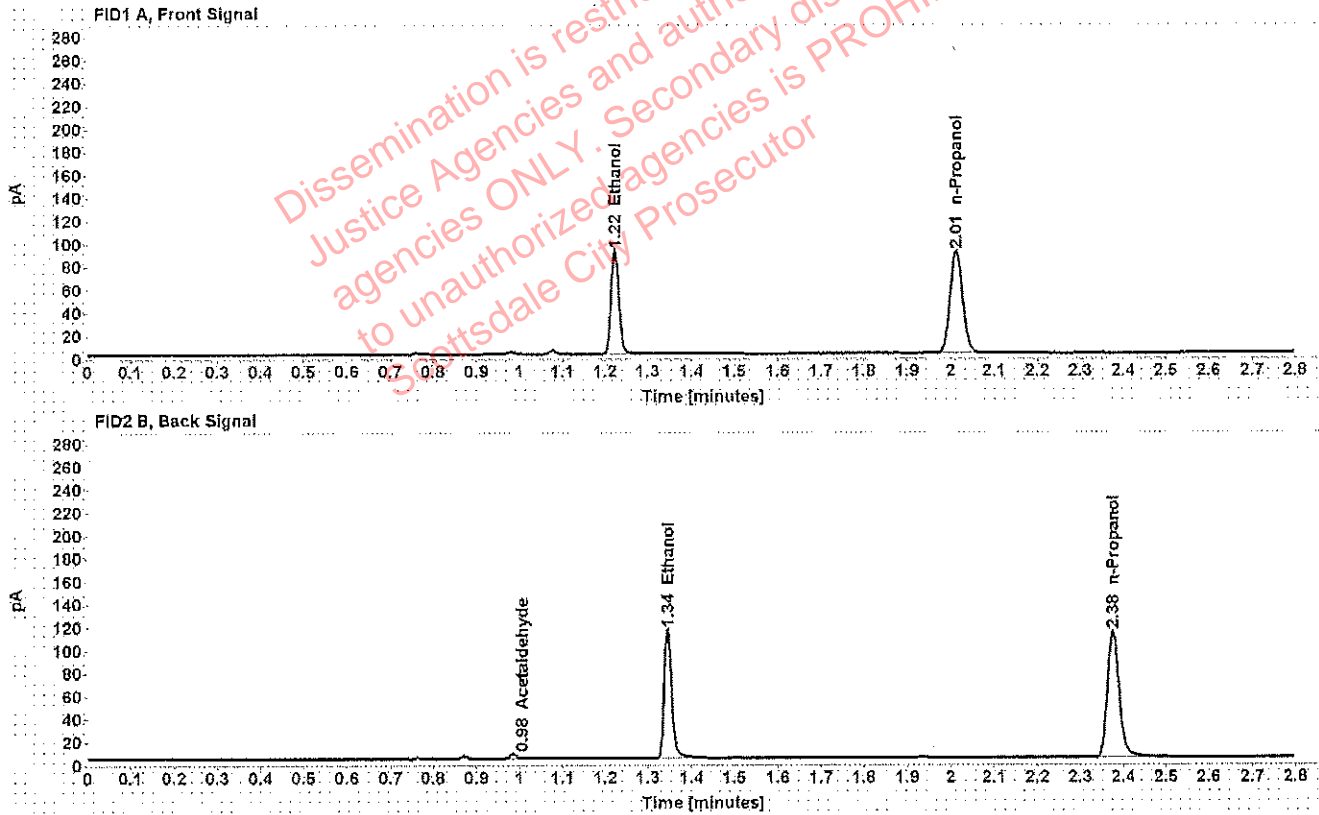


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1751	1.223	115.923
n-Propanol	-----	2.013	181.209

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.964	4.079
Ethanol	1.344	137.572
n-Propanol	2.375	212.792

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1186112
Injection date: 4/4/2018 1:35:56 PM	Vial: 23
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\23.D	

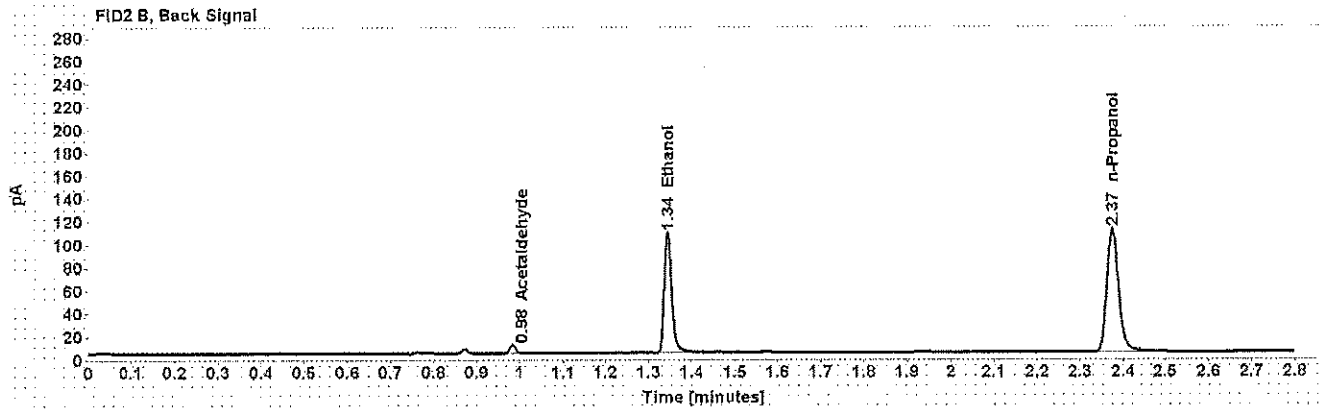
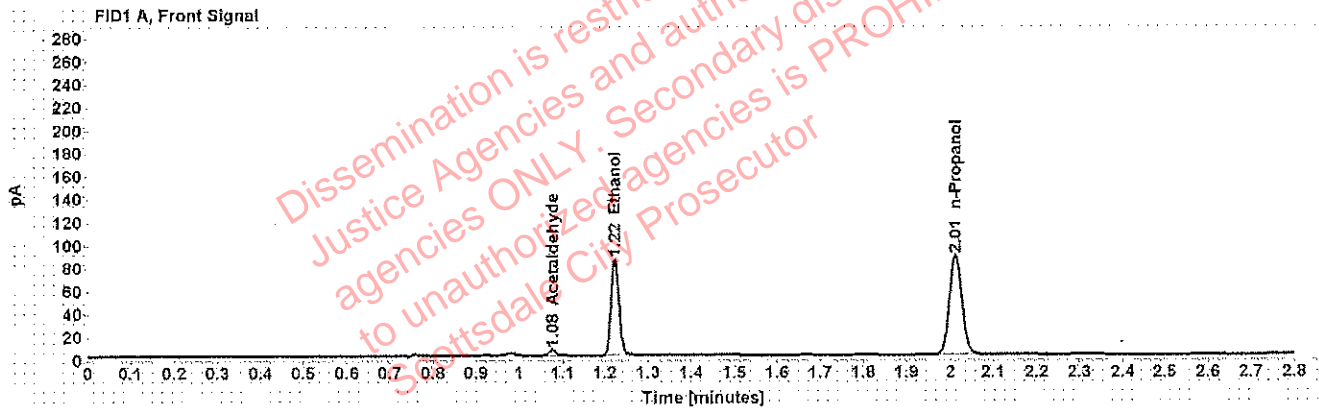


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.196
>Ethanol	0.1674	1.223	107.874
n-Propanol	-----	2.013	176.403

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.561
Ethanol	1.344	129.128
n-Propanol	2.375	207.392

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1186112
Injection date: 4/4/2018 1:39:55 PM	Vial: 24
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\24.D	

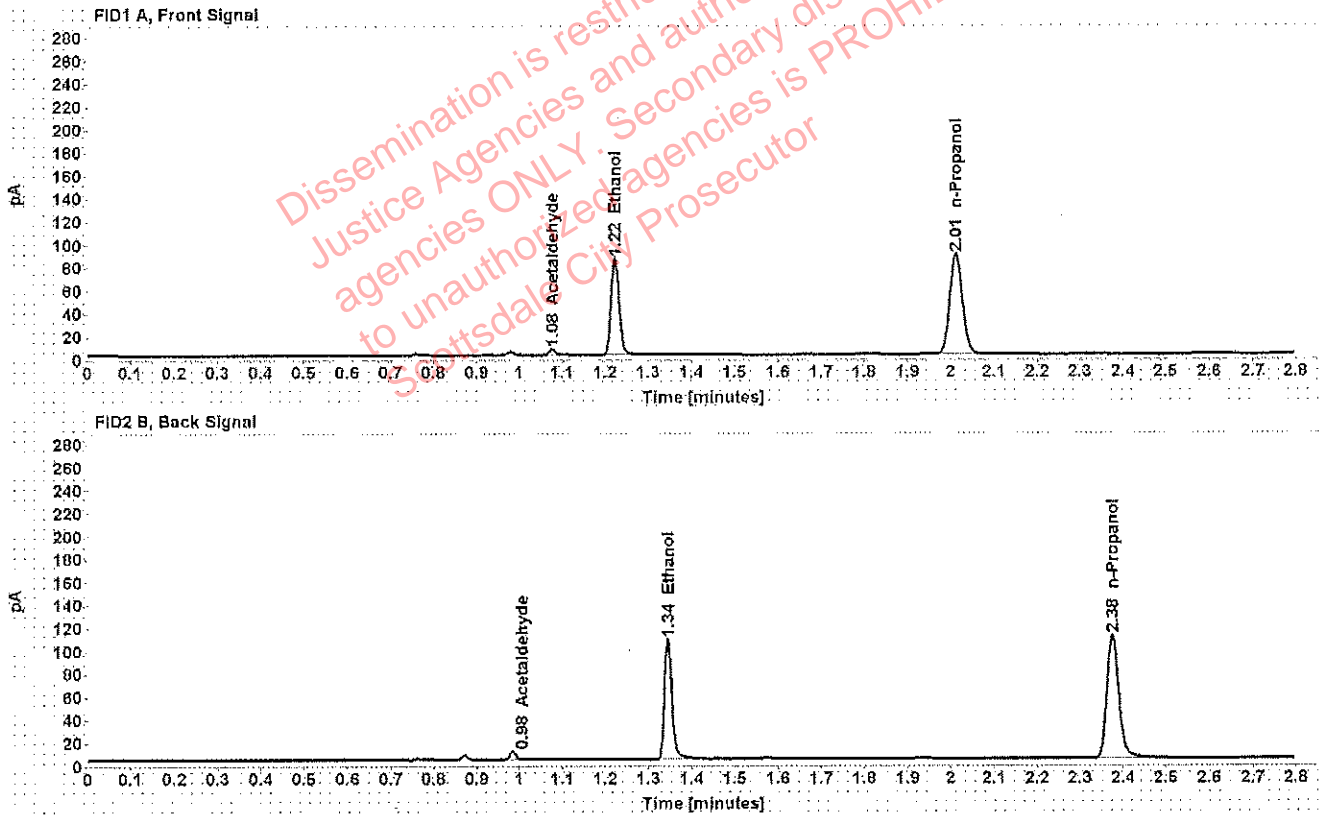


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.238
>Ethanol	0.1669	1.223	107.905
n-Propanol	-----	2.013	176.952

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.619
Ethanol	1.344	129.306
n-Propanol	2.375	207.983

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1172512
Injection date: 4/4/2018 1:44:10 PM	Vial: 25
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\25.D	

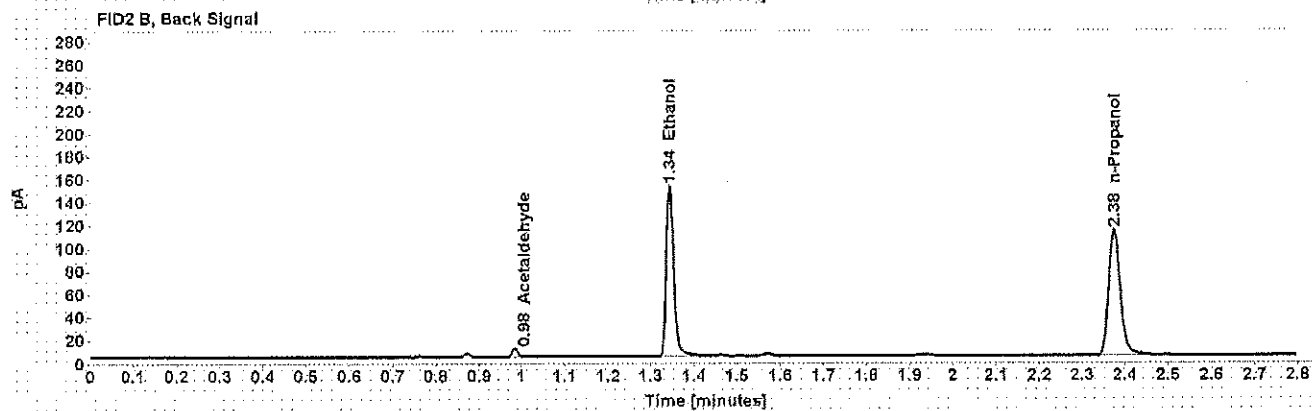
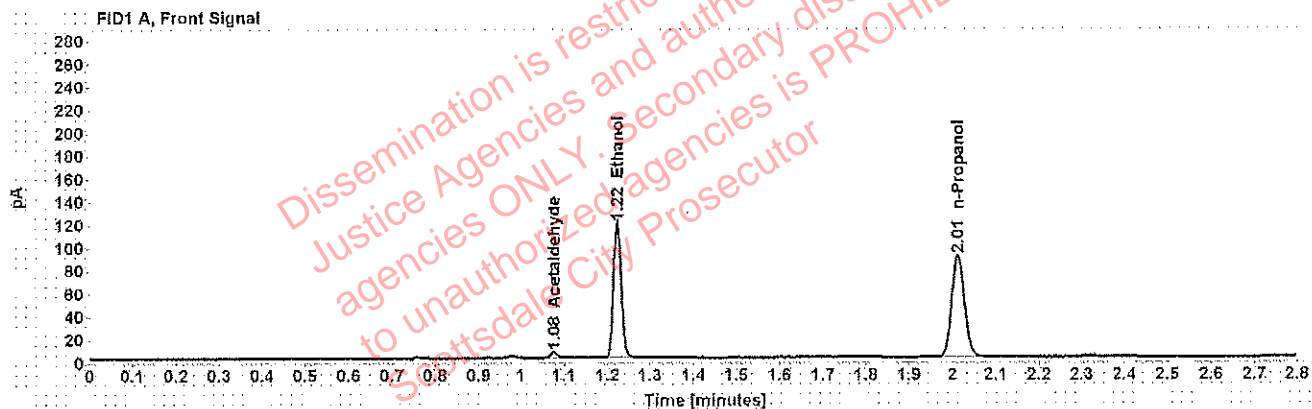


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	5.326
>Ethanol	0.2292	1.223	151.118
n-Propanol	-----	2.013	180.227

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.736
Ethanol	1.344	181.339
n-Propanol	2.375	212.658

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1172512
Injection date: 4/4/2018 1:48:10 PM	Vial: 26
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\26.D	

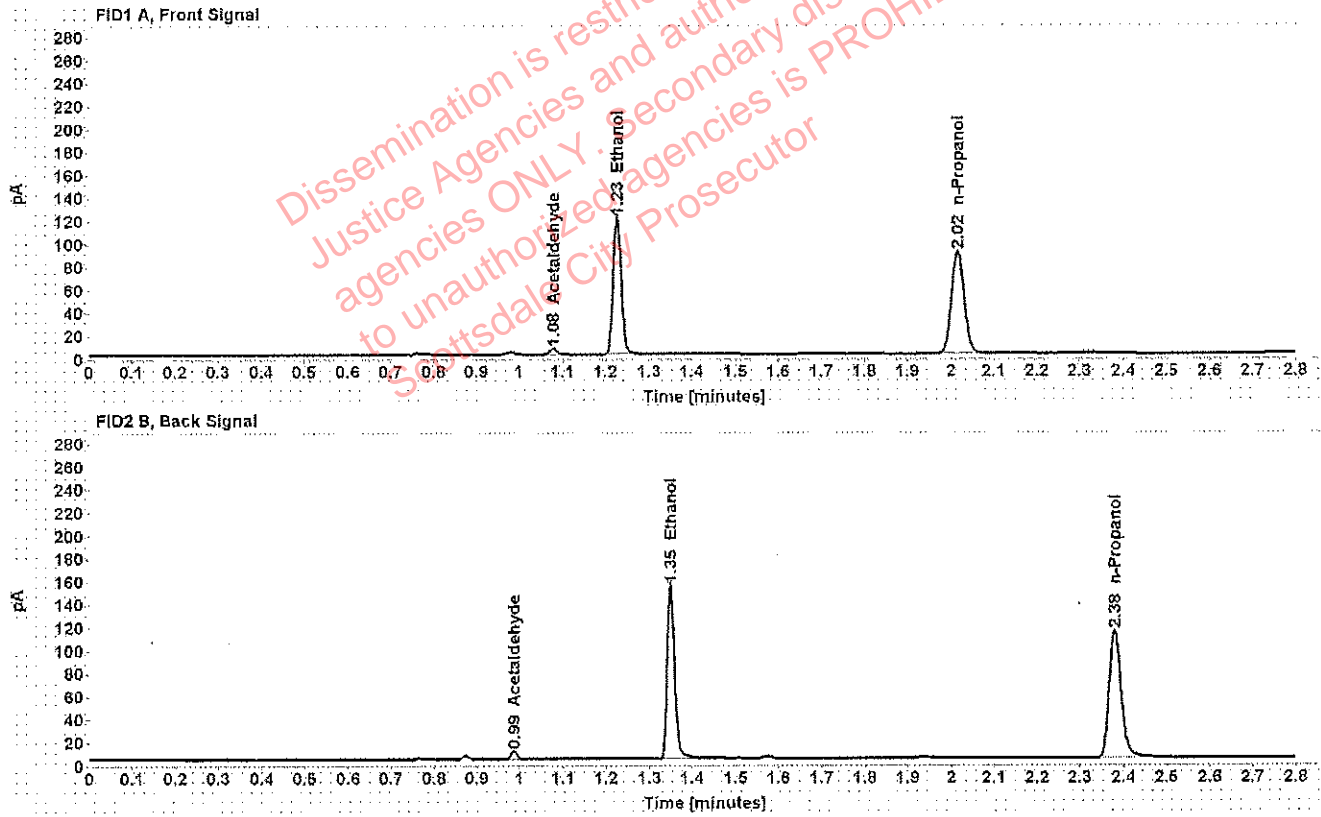


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.079	5.332
>Ethanol	0.2312	1.227	154.904
n-Propanol	-----	2.016	183.102

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	6.741
Ethanol	1.350	185.983
n-Propanol	2.380	214.459

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 333-01A
Injection date: 4/4/2018 1:52:10 PM	Vial: 27
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\27.D	

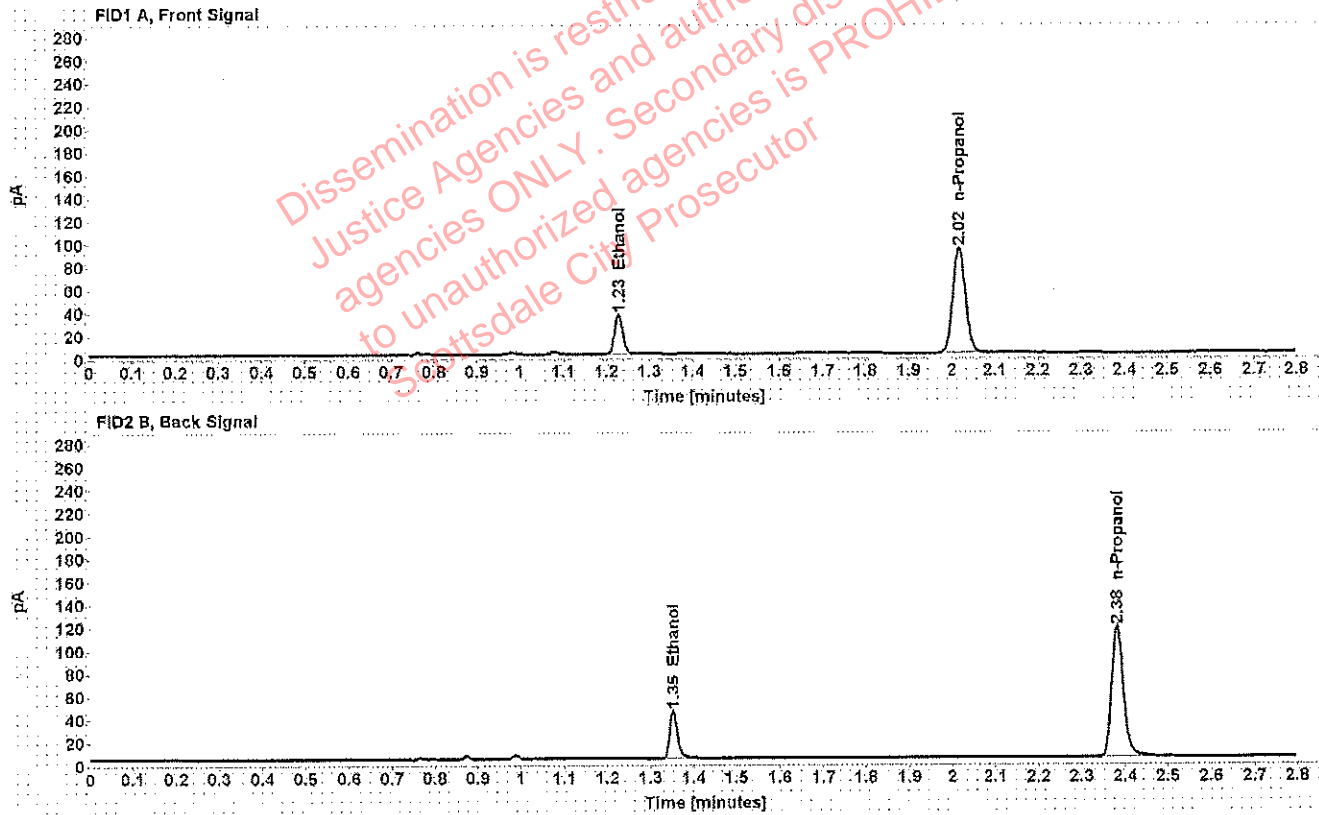


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0655	1.228	44.413
n-Propanol	-----	2.017	187.578

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

Compound	Time (min)	Peak Area
Ethanol	1.352	51.427
n-Propanol	2.381	220.367



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 333-01A
Injection date: 4/4/2018 1:56:10 PM	Vial: 28
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\28.D	

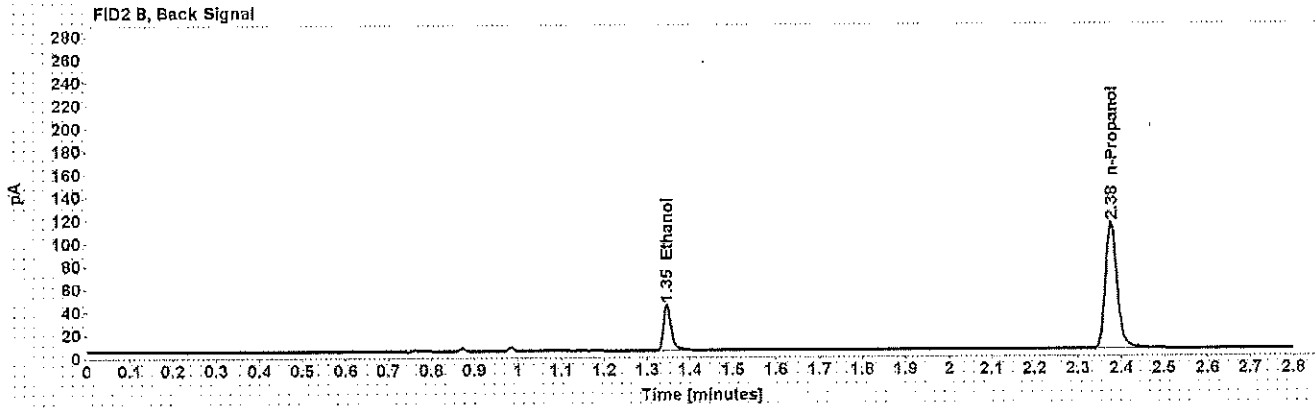
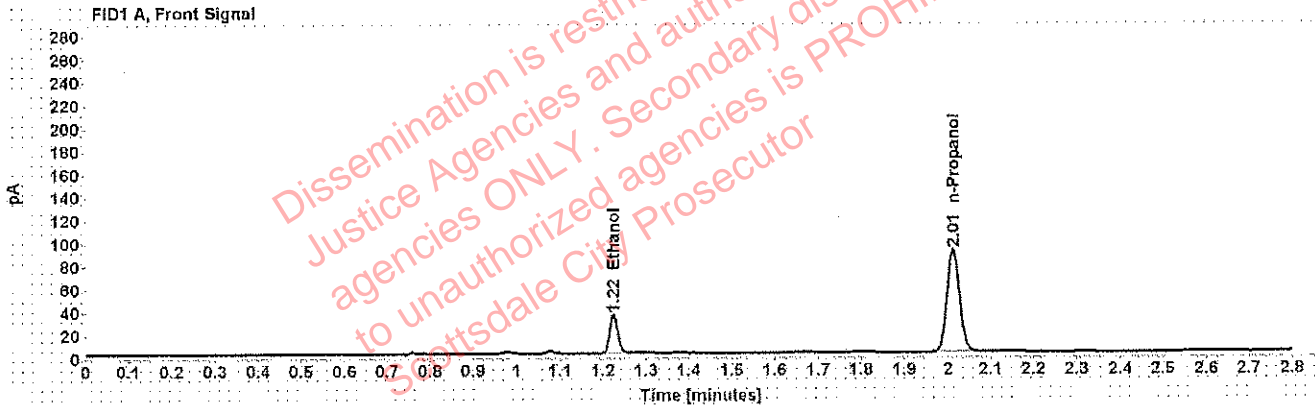


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0649	1.224	42.733
n-Propanol	-----	2.013	181.994

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

Compound	Time (min)	Peak Area
Ethanol	1.346	49.526
n-Propanol	2.376	213.216

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1203206
Injection date: 4/4/2018 2:00:10 PM	Vial: 29
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\29.D	

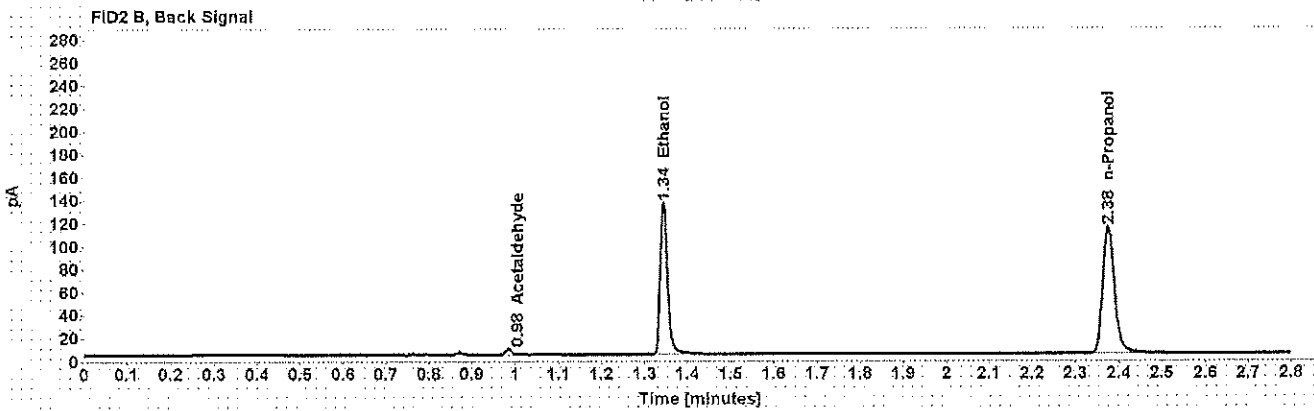
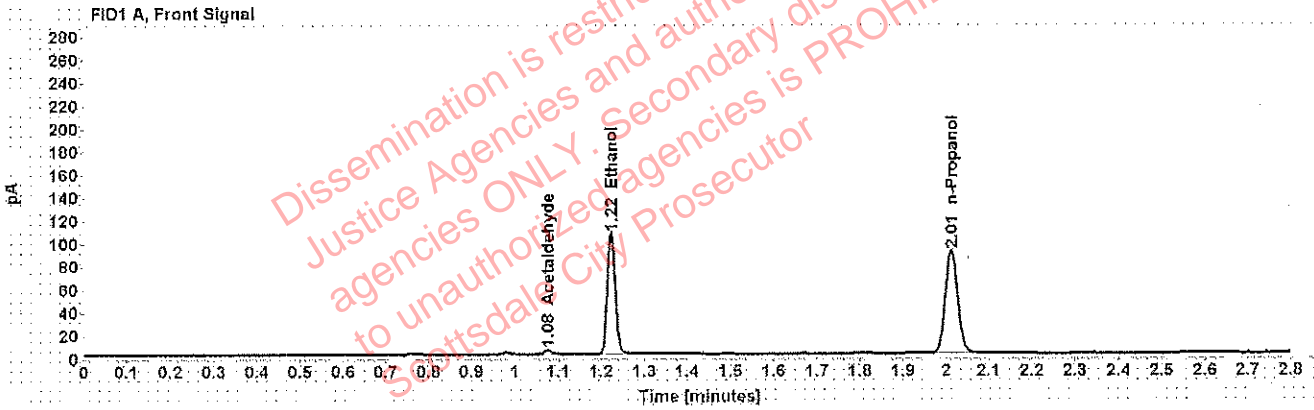


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	3.792
>Ethanol	0.2019	1.223	134.759
n-Propanol	-----	2.013	182.490

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.772
Ethanol	1.344	160.157
n-Propanol	2.375	214.173

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1203206
Injection date: 4/4/2018 2:04:10 PM	Vial: 30
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\30.D	

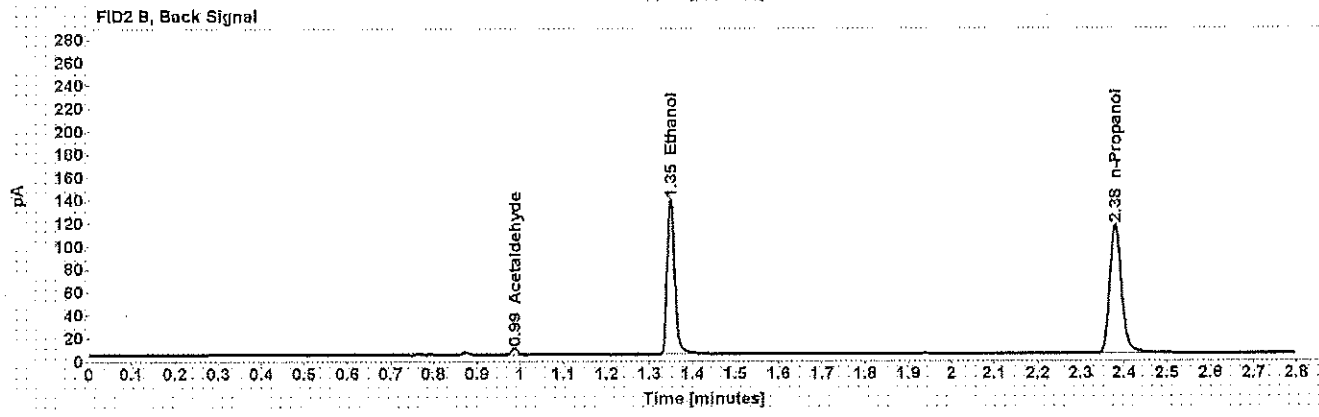
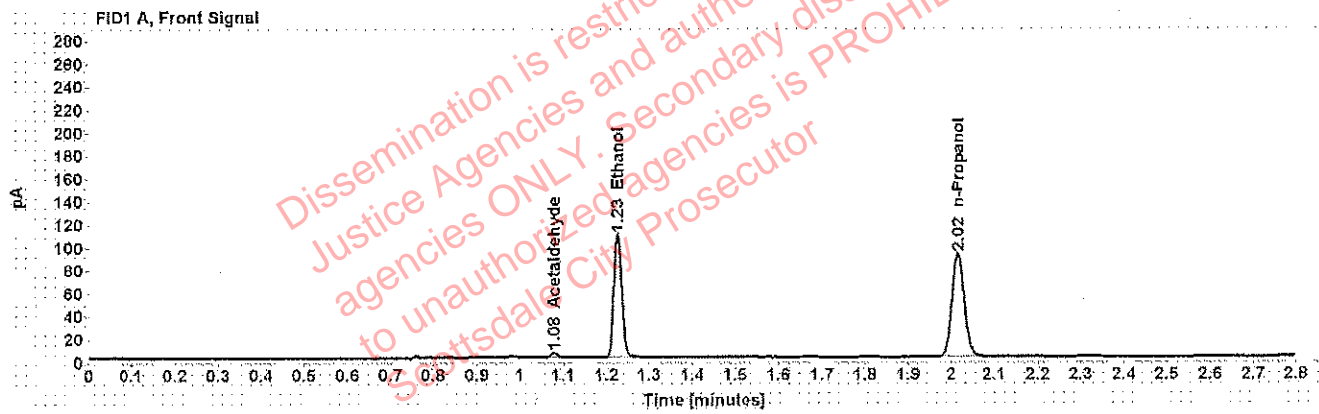


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.079	4.225
>Ethanol	0.2061	1.226	139.101
n-Propanol	-----	2.016	184.581

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	5.346
Ethanol	1.349	165.154
n-Propanol	2.380	216.652

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1202977
Injection date: 4/4/2018 2:12:25 PM	Vial: 32
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\32.D	

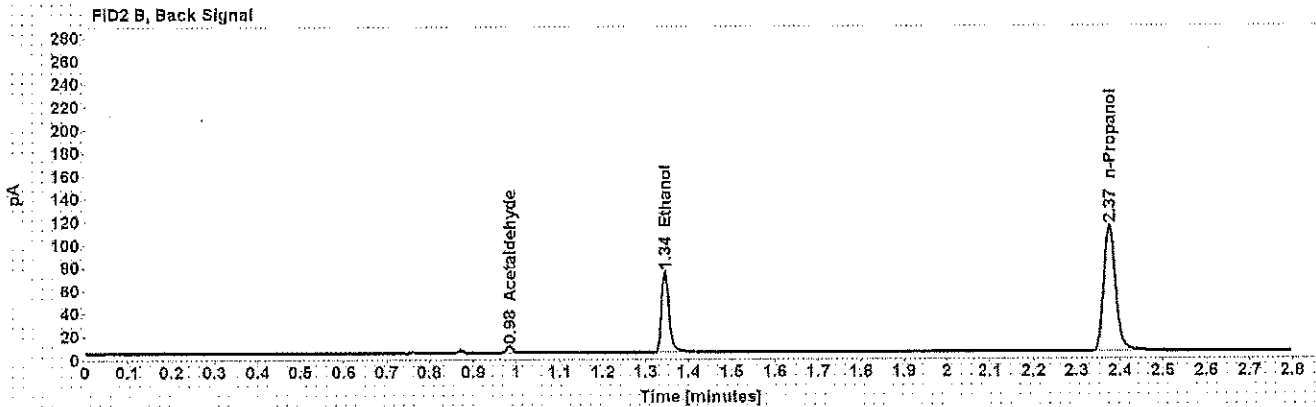
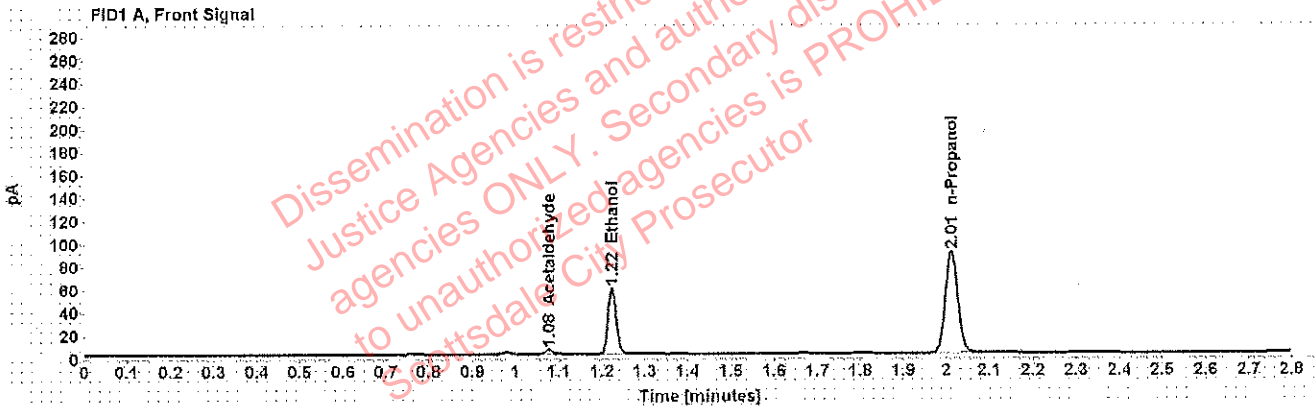


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.234
>Ethanol	0.1117	1.223	73.516
n-Propanol	-----	2.012	180.699

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.327
Ethanol	1.344	85.859
n-Propanol	2.375	211.874

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1202977
Injection date: 4/4/2018 2:16:25 PM	Vial: 33
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\33.D	

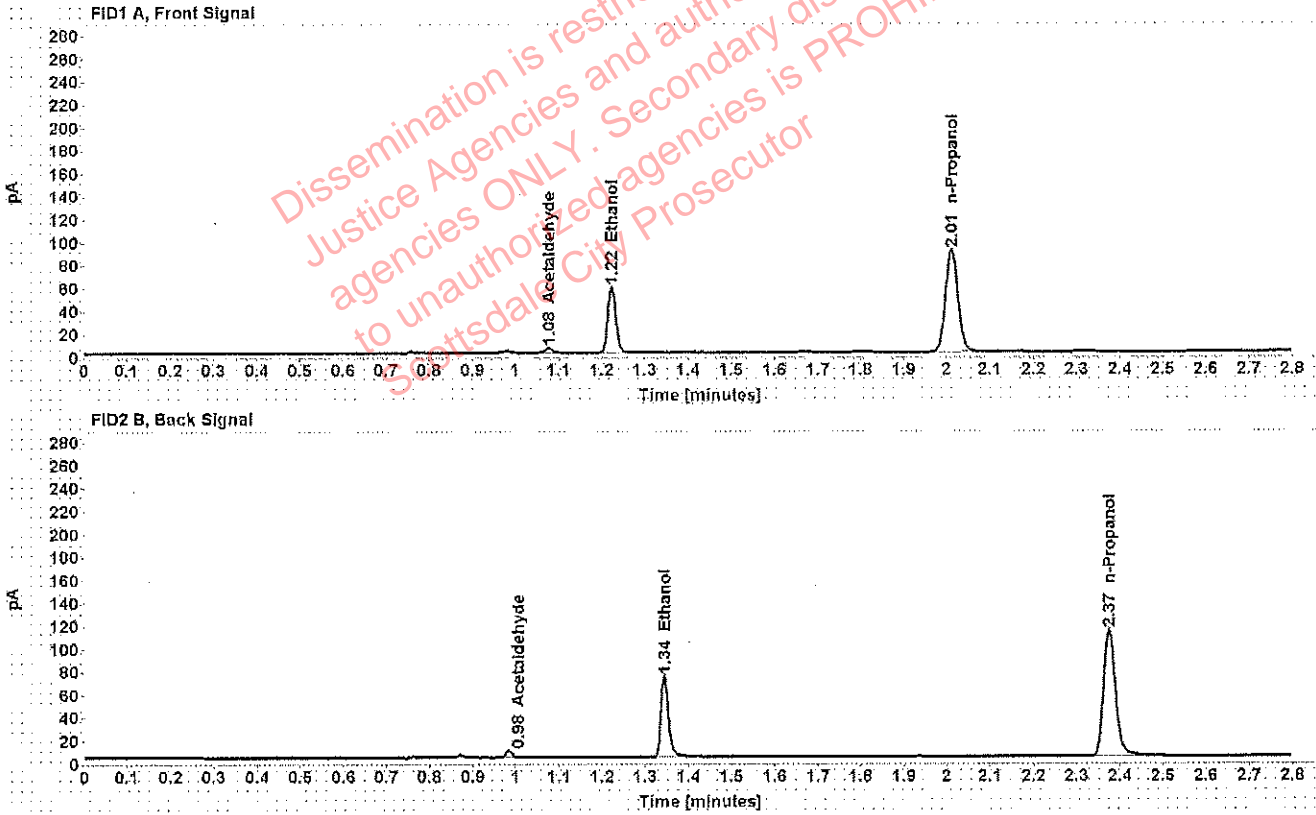


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.360
>Ethanol	0.1116	1.223	73.855
n-Propanol	-----	2.013	181.779

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.480
Ethanol	1.345	86.417
n-Propanol	2.375	213.413

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1203426
Injection date: 4/4/2018 2:20:25 PM	Vial: 34
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\34.D	

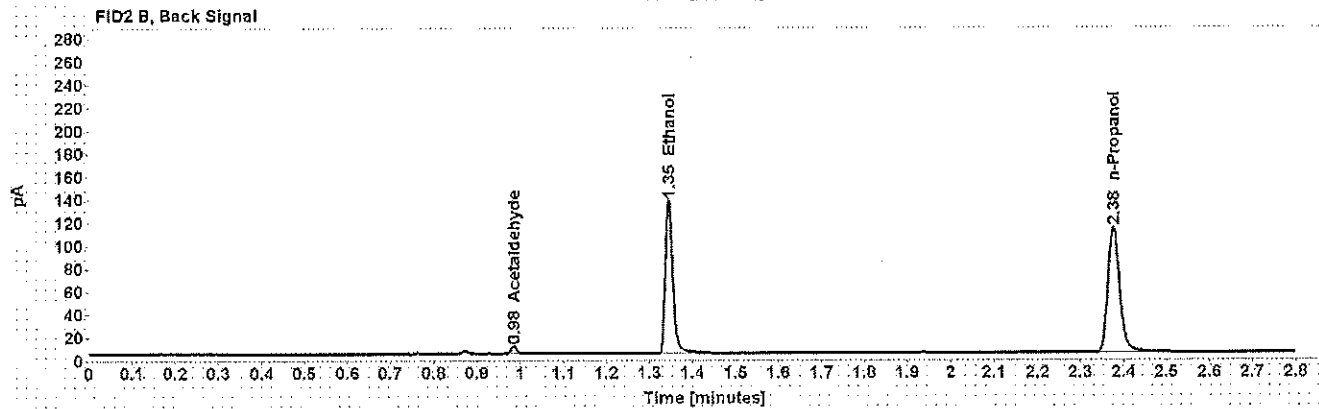
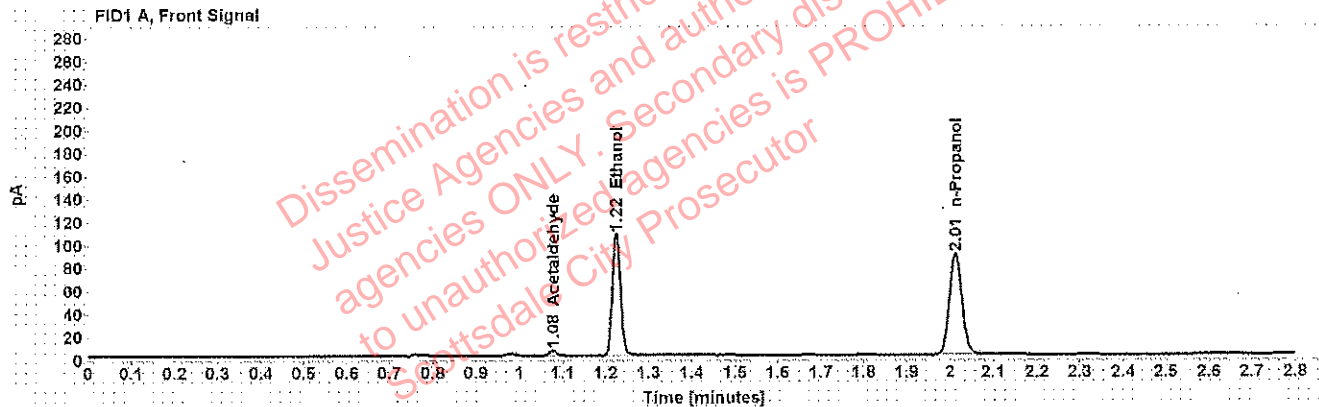


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.078	4.574
>Ethanol	0.2078	1.224	136.707
n-Propanol	-----	2.013	179.851

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.985	5.715
Ethanol	1.345	162.607
n-Propanol	2.376	211.855

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1203426
Injection date: 4/4/2018 2:24:25 PM	Vial: 35
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\35.D	

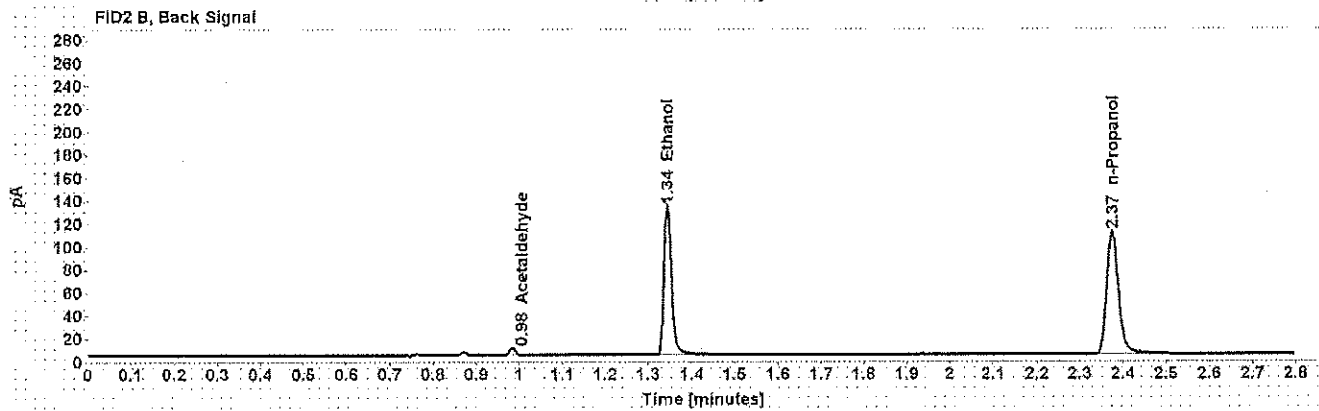
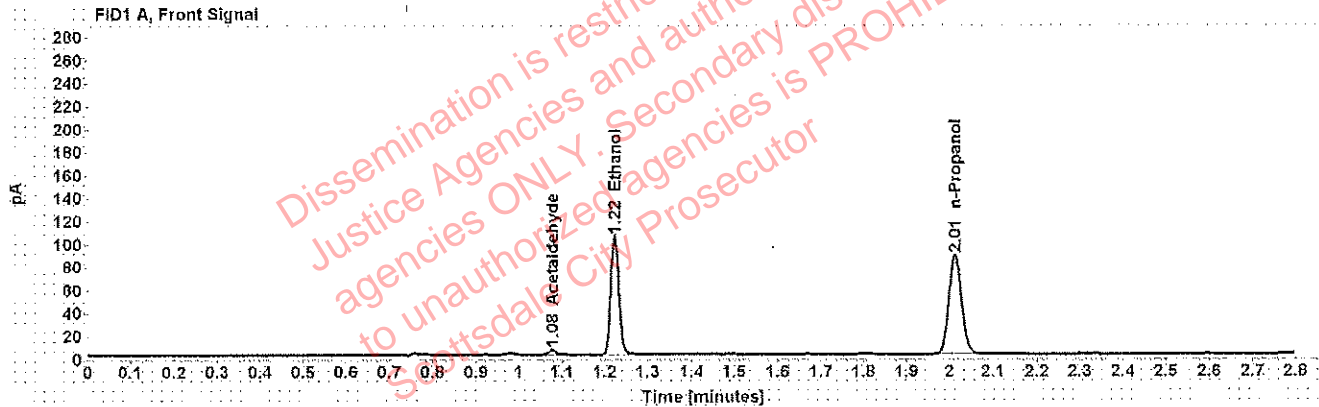


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.490
>Ethanol	0.2063	1.223	132.904
n-Propanol	-----	2.013	176.177

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.663
Ethanol	1.344	157.636
n-Propanol	2.375	207.228

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> [REDACTED]	<b>Item number:</b> 1180458
<b>Injection date:</b> 4/4/2018 2:28:25 PM	<b>Vial:</b> 36
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 4Apr18
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Adrian
<b>Data file:</b> C:\Chem32\1\Data\4Apr18\36.D	

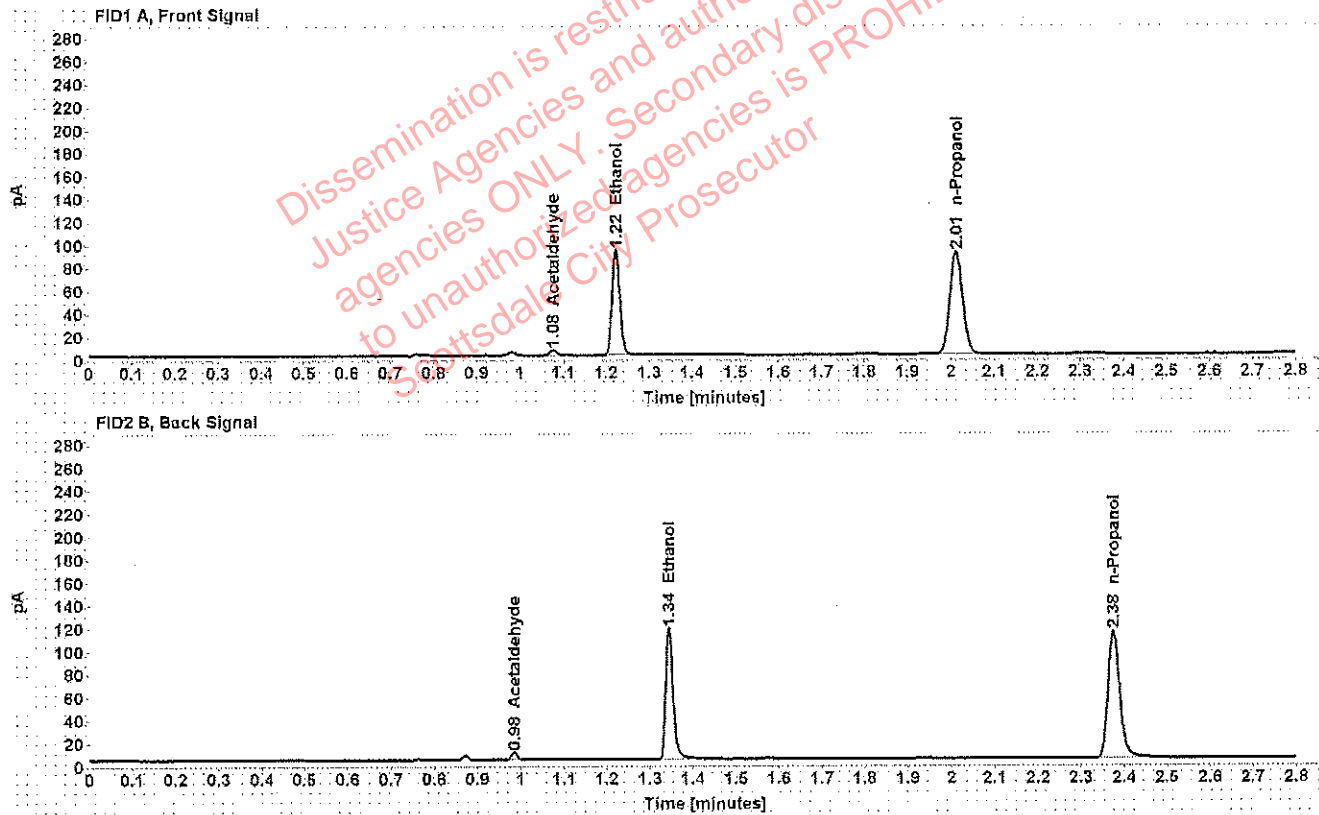


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.640
>Ethanol	0.1769	1.223	117.466
n-Propanol	-----	2.013	181.728

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.840
Ethanol	1.344	140.885
n-Propanol	2.375	214.102



## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [REDACTED]	Item number: 1180458
Injection date: 4/4/2018 2:32:40 PM	Vial: 37
Method: ethanol quant.M	Sequence: 4Apr18
Instrument: US14173023 CN14160045	Analyst: Adrian
Data file: C:\Chem32\1\Data\4Apr18\37.D	

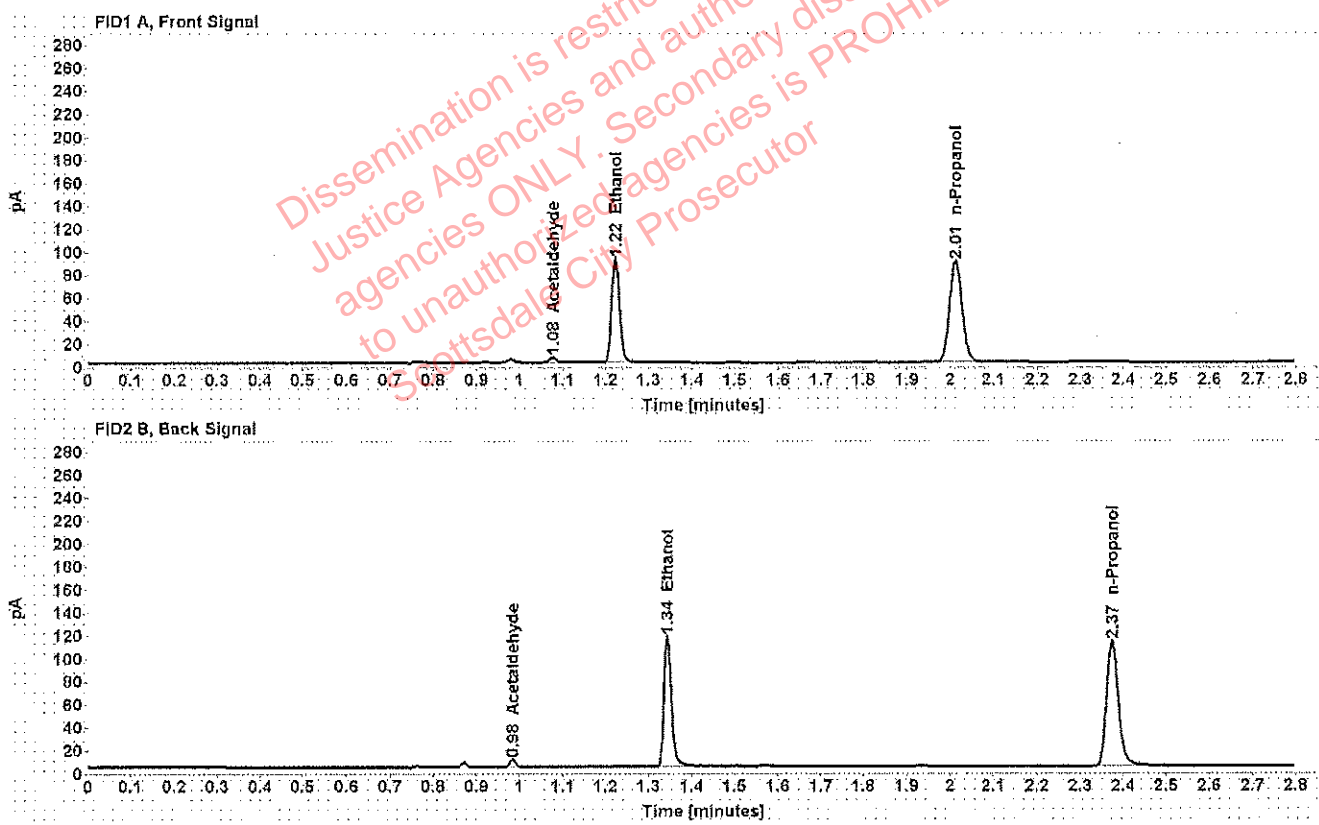


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.077	4.573
>Ethanol	0.1775	1.223	116.295
n-Propanol	-----	2.012	179.274

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.782
Ethanol	1.344	139.253
n-Propanol	2.375	211.384