

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 04/15/2024 SEQUENCE NAME 15Apr24

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN03072301 0.99999  
 Vial 3 0.20 calibrator Lot FN03132302  
 Vial 4 0.40 calibrator Lot FN03052102

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.084 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
40	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 30012020-A
41	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
42	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/11
43	Blank	Not detected	Not detected	SPD lab 032824AQ

**SUBJECT SAMPLES**

Subjects in the sequence 14 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Run valid  Don Abbott  
 Run invalid   
 Analyst

Run valid  Phaedra Brooks  
 Run invalid   
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

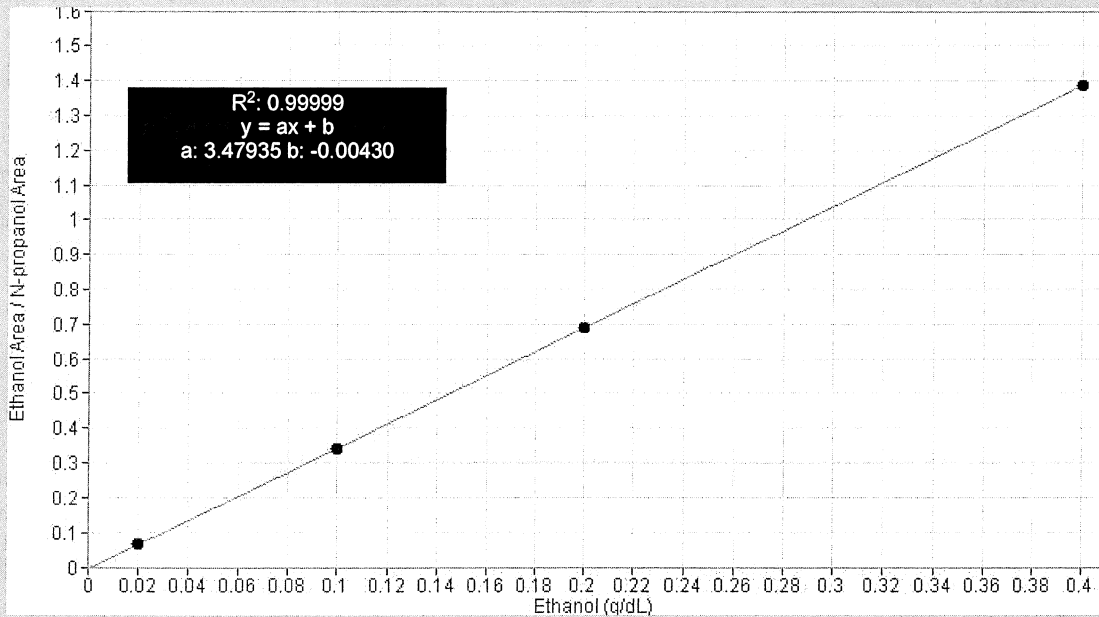
SEQUENCE NAME: 15Apr24

ANALYST: Abbott *AB*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/11	9	0.203	0.199	2.01	0.004
0.080 20012020-B	20	0.084	0.080	5.00	0.004
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.400 30012020-A	40	0.403	0.400	0.75	0.003
0.040 14082019-B	41	0.041	0.040	2.50	0.001
0.199 4110320133/11	42	0.204	0.199	2.51	0.005
blank 032824AQ	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.569	171.925	0.067
0.100	58.853	172.322	0.342
0.200	119.558	173.037	0.691
0.400	234.709	169.076	1.388

**Calibration Line**



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03122113	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 15Apr24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 4/15/2024 12:40:09 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>al</i>
<b>Data file:</b> C:\Chem32\1\Data\15Apr24\1.D	

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

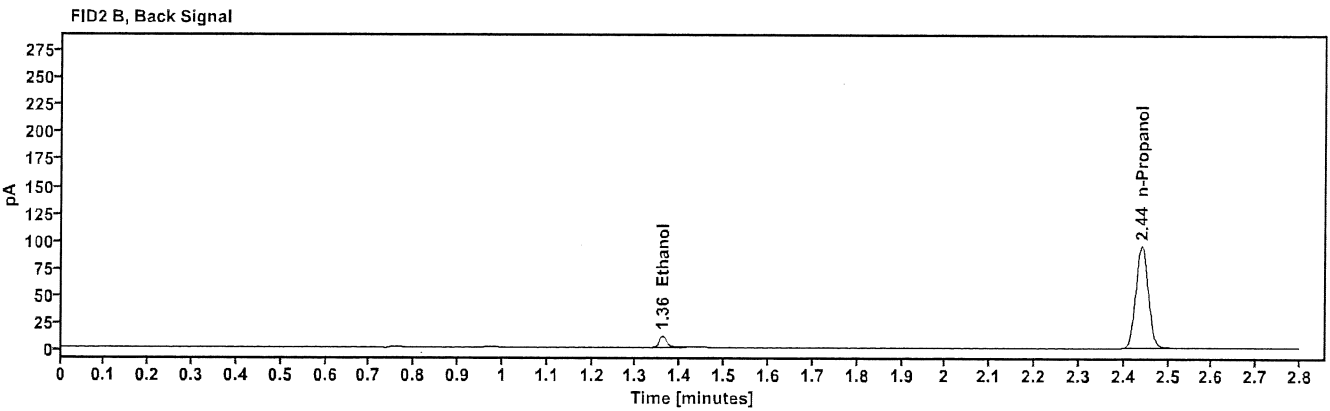
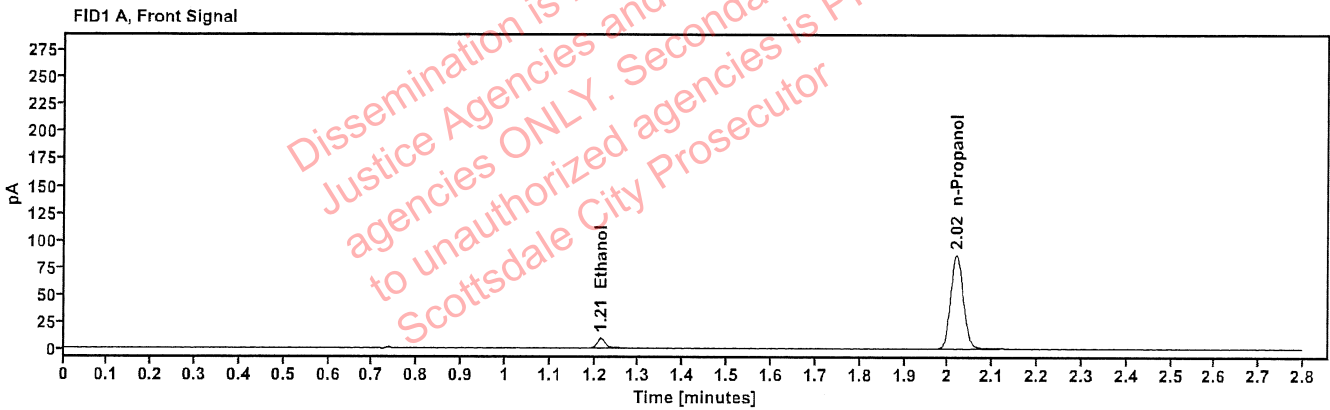


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.214	11.569
n-Propanol	2.019	171.925

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

Compound	Time (min)	Peak Area
Ethanol	1.360	12.672
n-Propanol	2.440	187.119

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN03072301	<b>Vial:</b>	2
<b>Description:</b>	0.100 calibrator	<b>Sequence:</b>	15Apr24
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	4/15/2024 12:44:08 PM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Abbott
<b>Data file:</b>	C:\Chem32\1\Data\15Apr24\2.D		

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

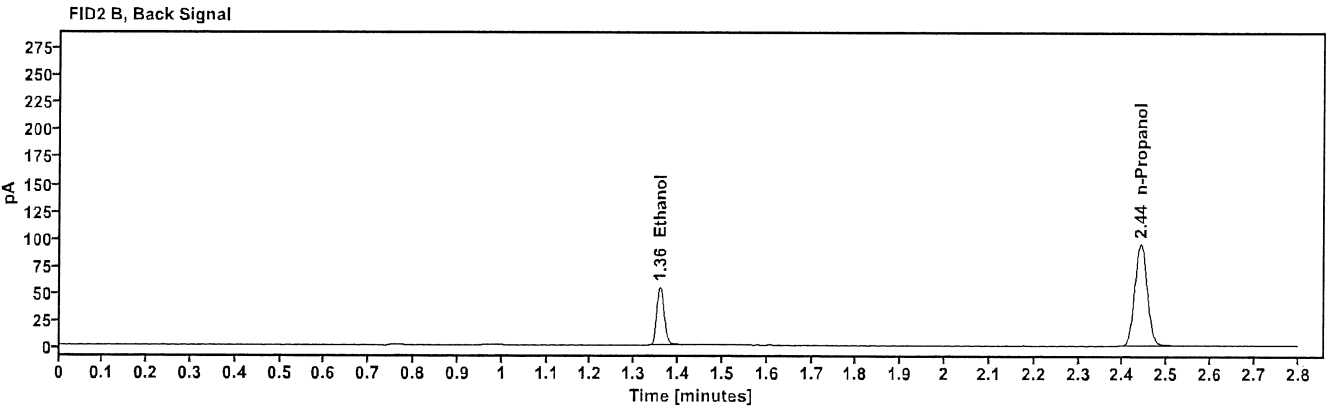
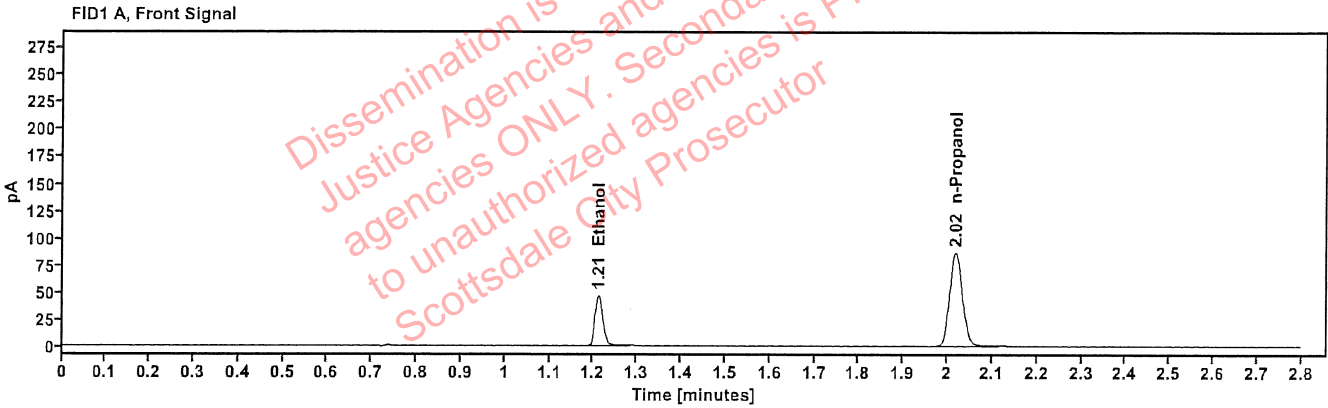


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	58.853
n-Propanol	2.019	172.322

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

Compound	Time (min)	Peak Area
Ethanol	1.358	64.734
n-Propanol	2.440	187.487

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03132302	Vial:	3
Description:	0.200 calibrator	Sequence:	15Apr24
Method:	ethanol quant.M	Injection date:	4/15/2024 12:48:09 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>du</i>
Data file:	C:\Chem32\1\Data\15Apr24\3.D		

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

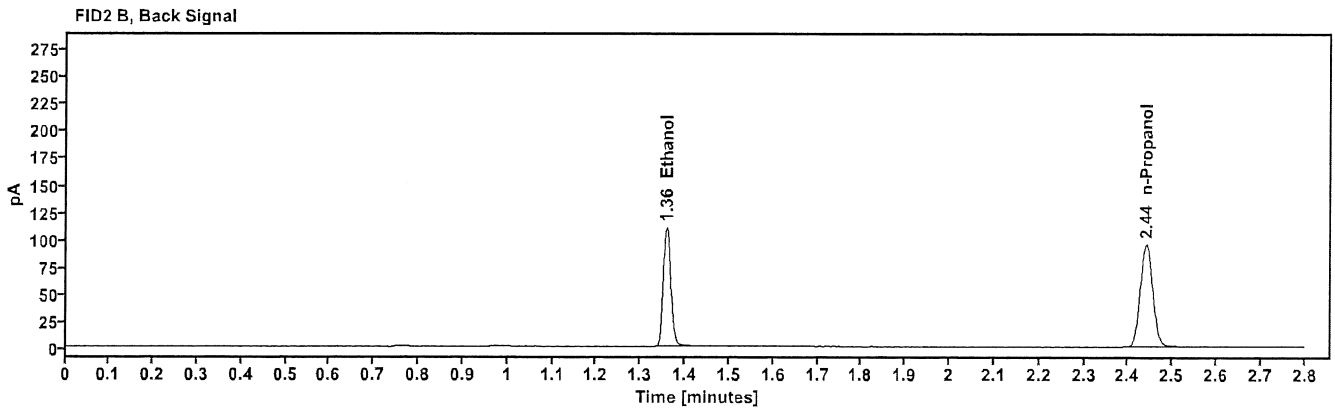
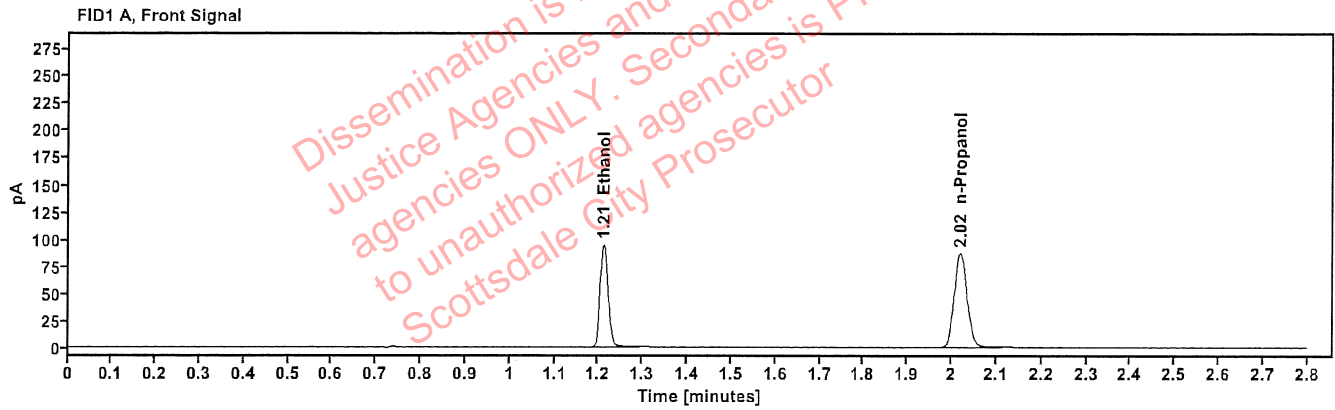


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	119.558
n-Propanol	2.019	173.037

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

Compound	Time (min)	Peak Area
Ethanol	1.358	131.610
n-Propanol	2.440	188.168

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 15Apr24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 4/15/2024 12:52:09 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\15Apr24\4.D	

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

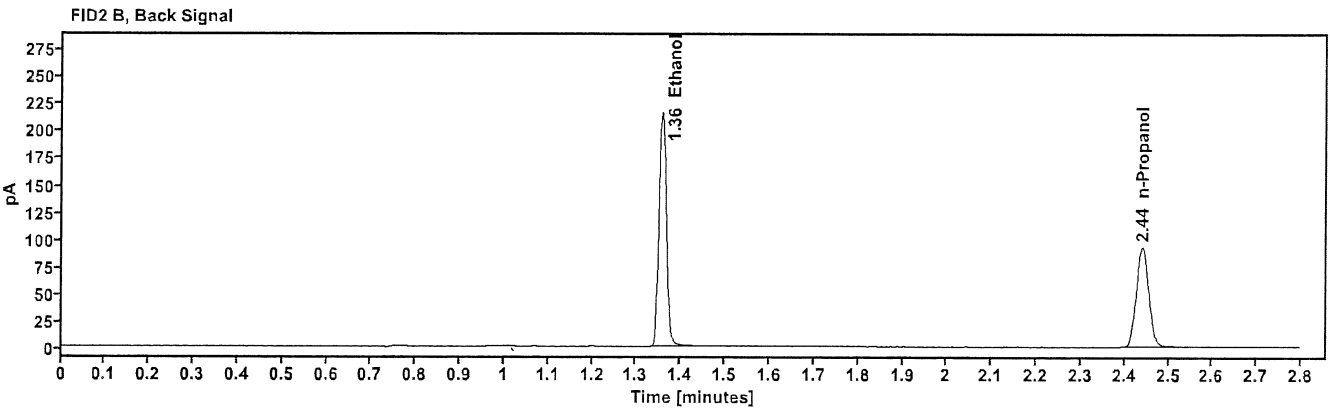
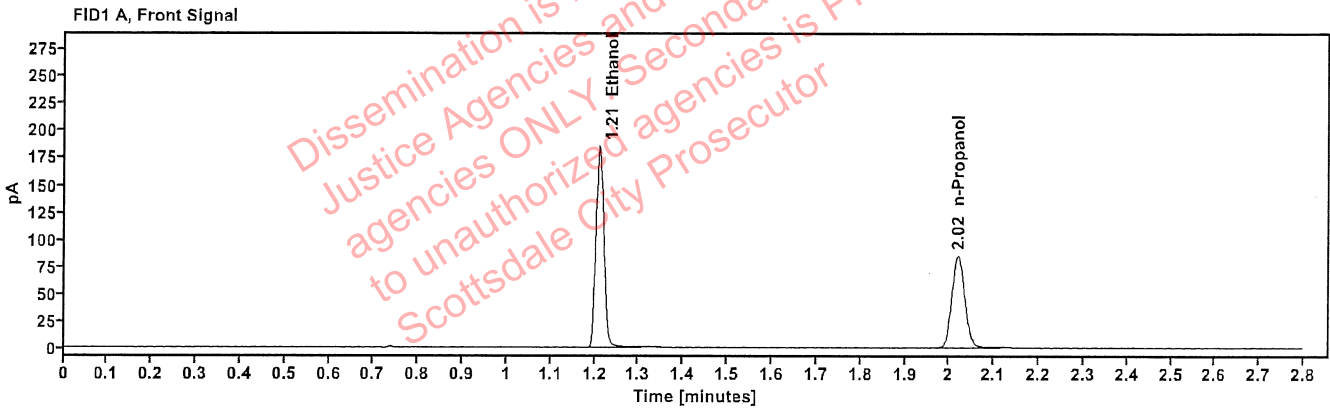


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	234.709
n-Propanol	2.019	169.076

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

Compound	Time (min)	Peak Area
Ethanol	1.358	258.659
n-Propanol	2.440	183.682

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	011823WB	<b>Vial:</b>	5
<b>Description:</b>	Negative	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	15Apr24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	4/15/2024 12:56:09 PM
<b>Data file:</b>	C:\Chem32\1\Data\15Apr24\5.D	<b>Analyst:</b>	Abbott <span style="float: right;">OB</span>

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

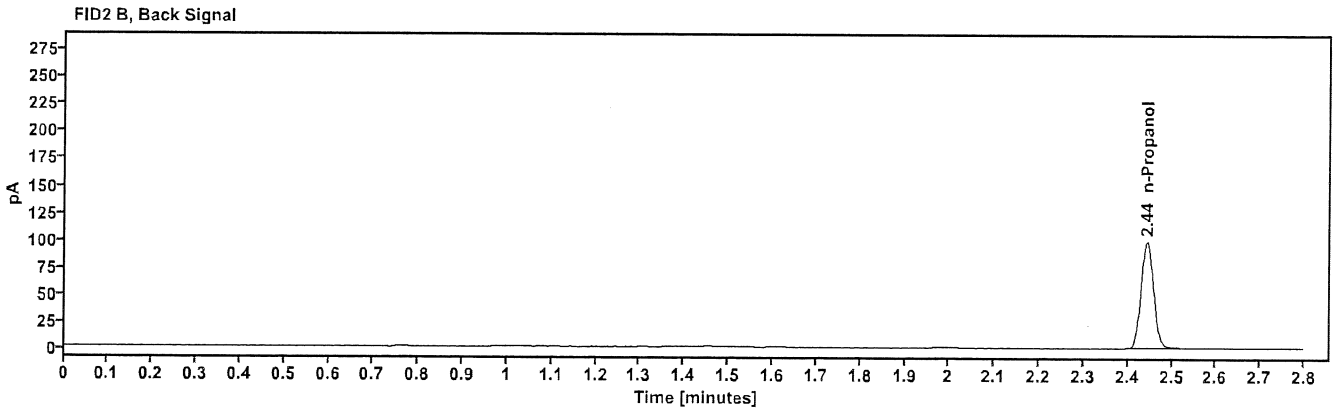
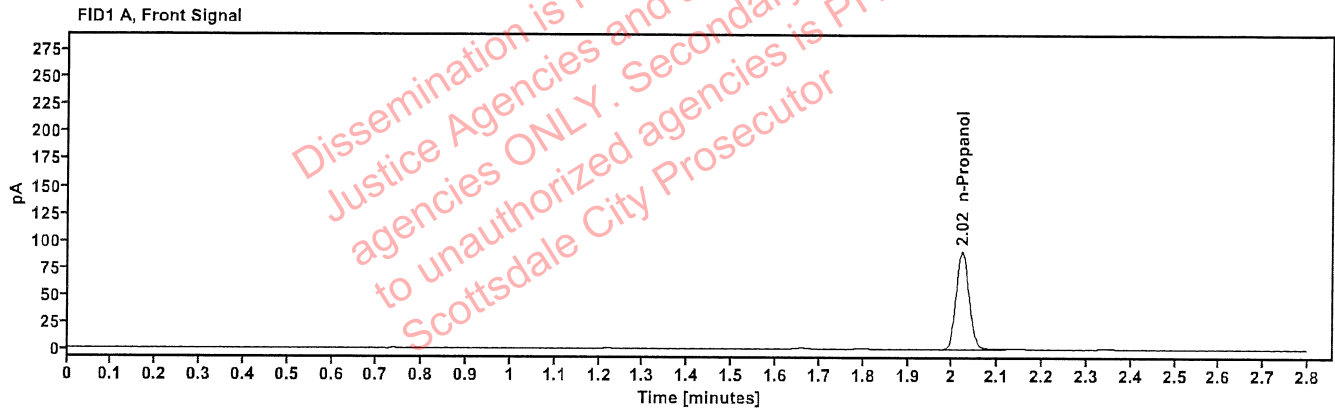


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.022	180.430

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

Compound	Time (min)	Peak Area
n-Propanol	2.444	196.157

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 050721MIX	<b>Vial:</b> 6
<b>Description:</b> Volatiles mix	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Apr24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/15/2024 1:00:09 PM
<b>Data file:</b> C:\Chem32\1\Data\15Apr24\6.D	<b>Analyst:</b> Abbott

*Abbott*

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

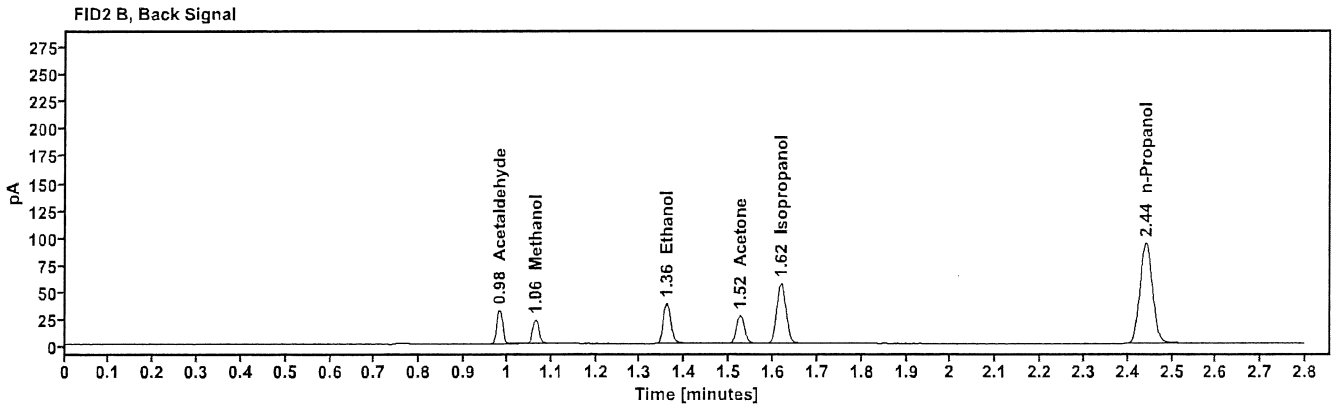
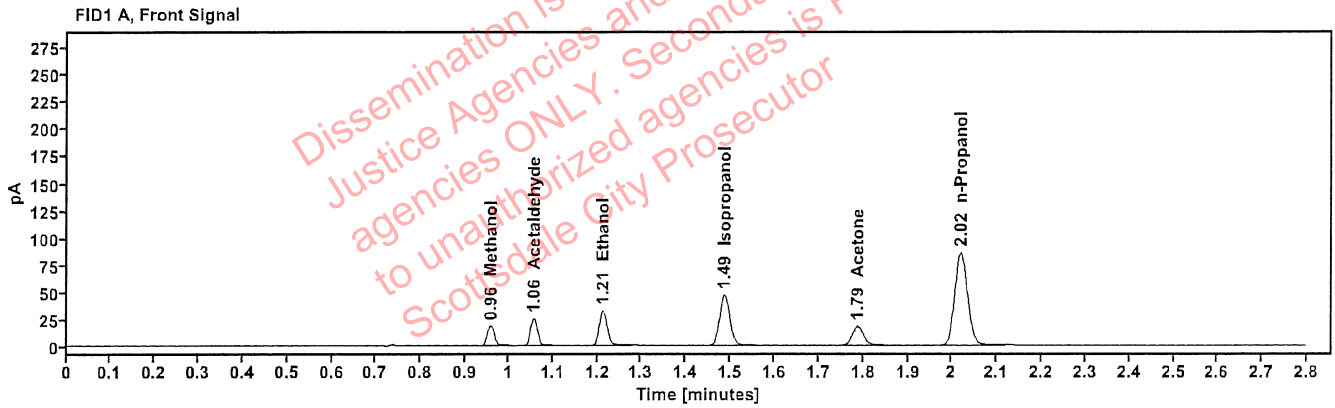


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.958	20.801
Acetaldehyde	-----	1.057	27.483
>Ethanol	0.0704	1.212	41.048
Isopropanol	-----	1.486	74.563
Acetone	-----	1.788	30.663
n-Propanol	-----	2.019	170.666

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	30.831
Methanol	1.064	23.127
Ethanol	1.359	45.153
Acetone	1.525	33.824
Isopropanol	1.618	82.360
n-Propanol	2.441	185.288



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 15Apr24
Instrument: US14173023 CN14160045	Injection date: 4/15/2024 1:04:24 PM
Data file: C:\Chem32\1\Data\15Apr24\7.D	Analyst: Abbott <i>dh</i>

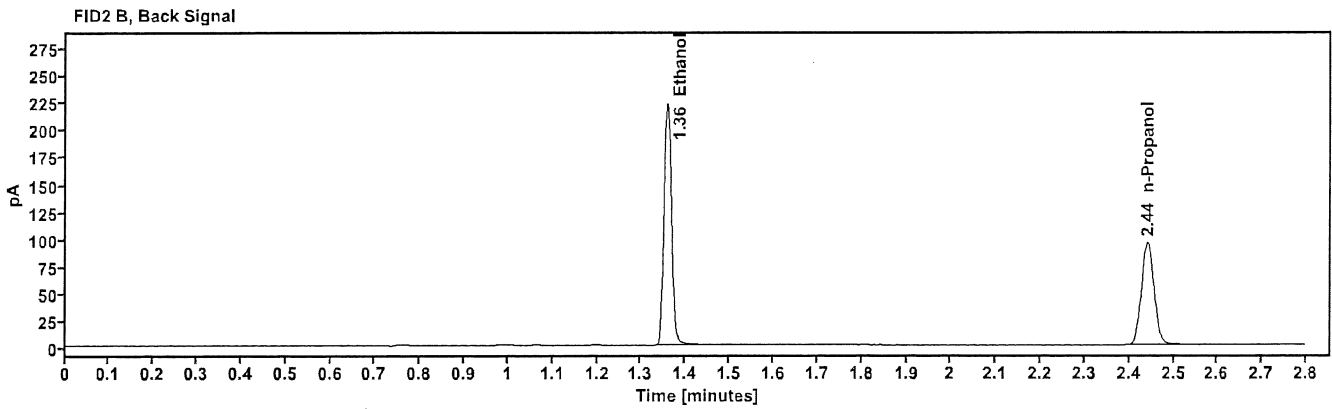
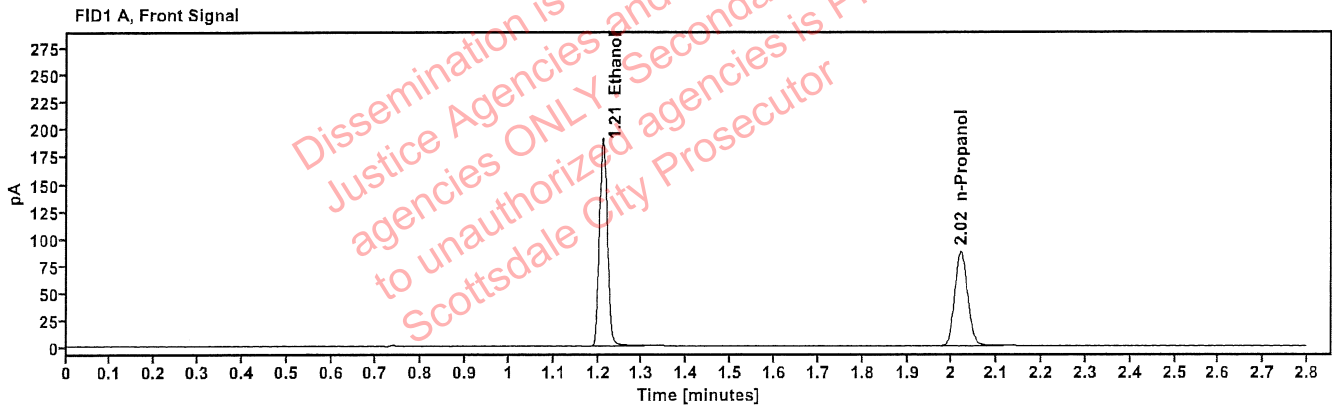


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4024	1.211	242.665
n-Propanol	-----	2.020	173.837

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

Compound	Time (min)	Peak Area
Ethanol	1.359	267.451
n-Propanol	2.441	188.855

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:08:24 PM
Data file:	C:\Chem32\1\Data\15Apr24\8.D	Analyst:	Abbott <span style="float: right;">Du</span>

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

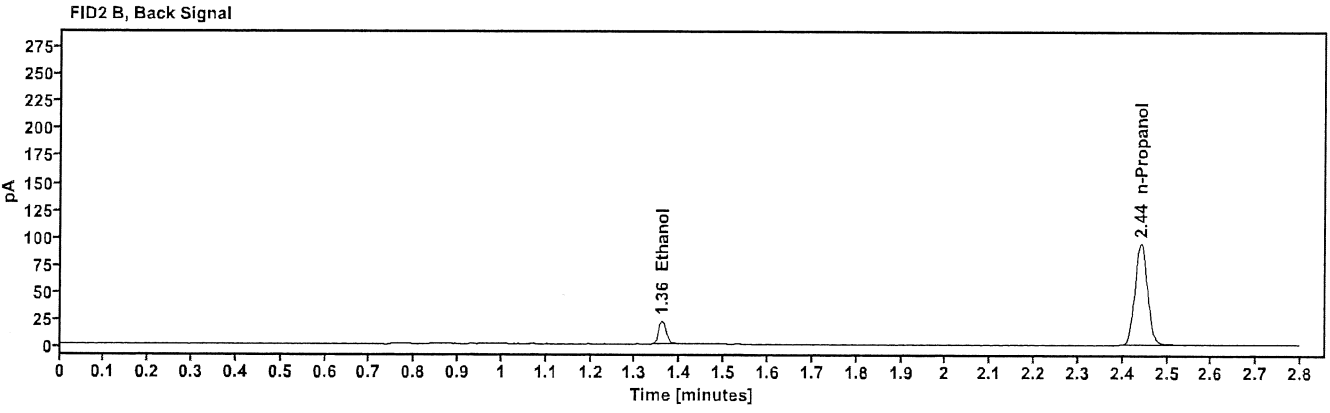
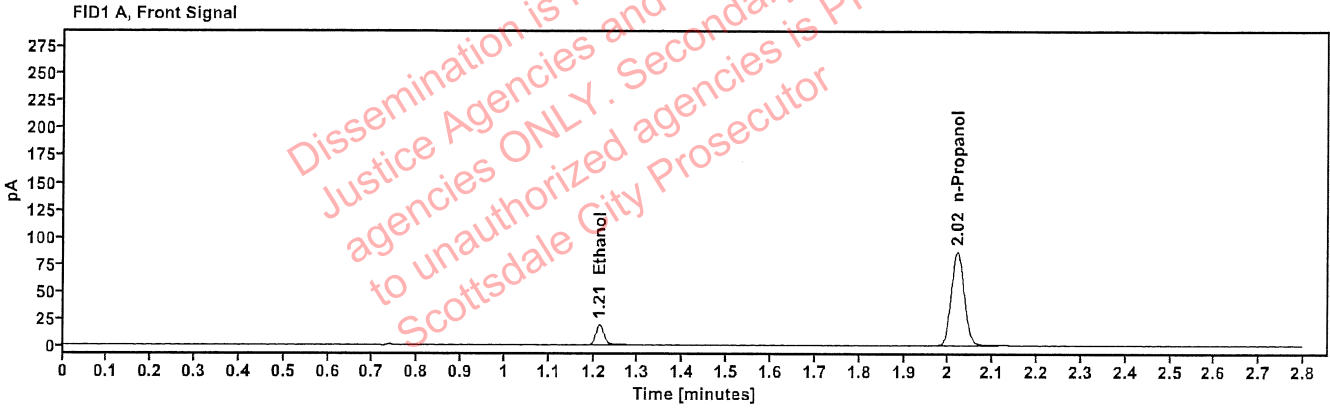


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.213	23.822
n-Propanol	-----	2.019	172.758

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

Compound	Time (min)	Peak Area
Ethanol	1.360	26.140
n-Propanol	2.441	187.833

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 15Apr24
Instrument: US14173023 CN14160045	Injection date: 4/15/2024 1:12:24 PM
Data file: C:\Chem32\1\Data\15Apr24\9.D	Analyst: Abbott <i>JA</i>

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

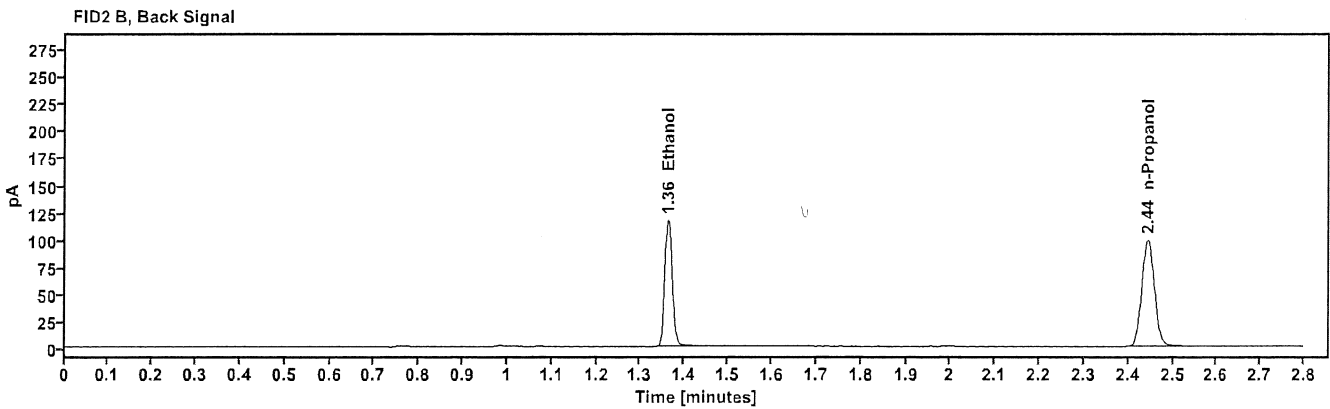
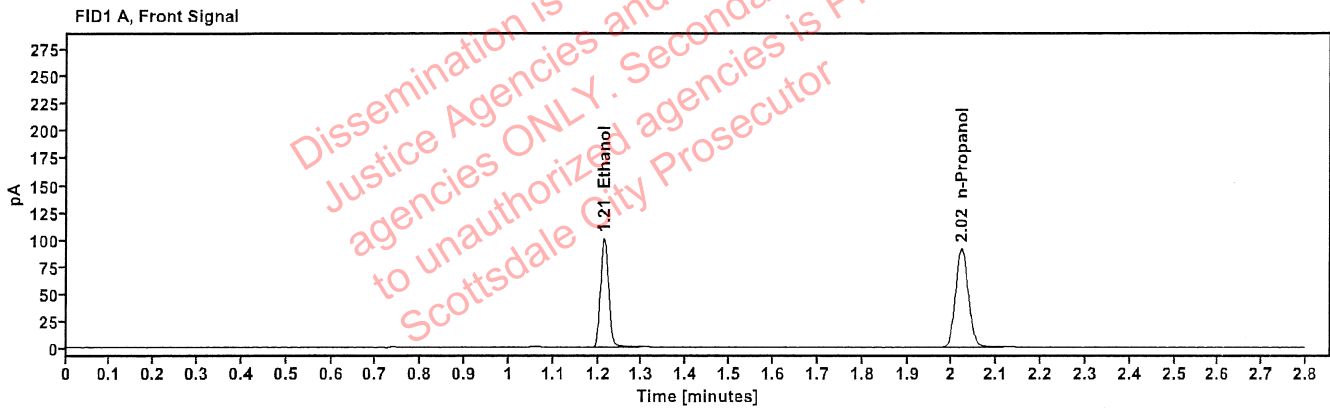


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2035	1.214	127.840
n-Propanol	-----	2.022	181.618

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

Compound	Time (min)	Peak Area
Ethanol	1.362	140.771
n-Propanol	2.444	197.314

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 15Apr24
Instrument: US14173023 CN14160045	Injection date: 4/15/2024 1:56:54 PM
Data file: C:\Chem32\1\Data\15Apr24\20.D	Analyst: Abbott

*JA*

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

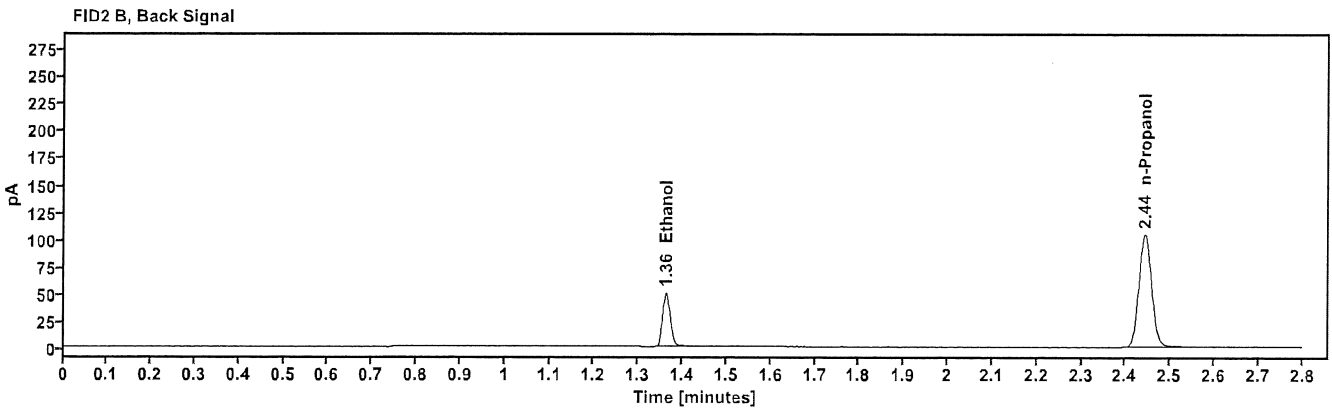
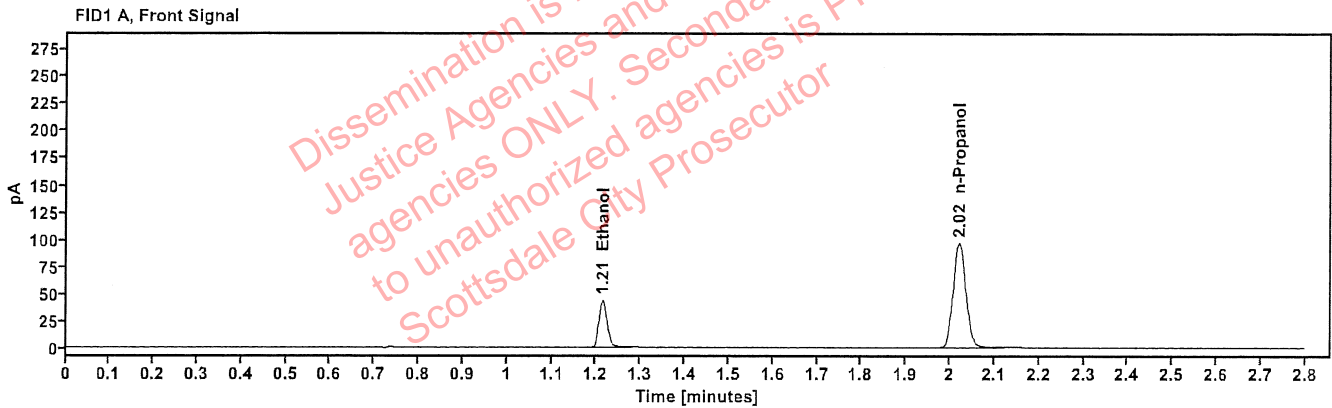


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0840	1.214	55.288
n-Propanol	-----	2.020	192.030

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

Compound	Time (min)	Peak Area
Ethanol	1.363	60.568
n-Propanol	2.443	208.131

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 15Apr24
Instrument: US14173023 CN14160045	Injection date: 4/15/2024 2:41:25 PM
Data file: C:\Chem32\1\Data\15Apr24\31.D	Analyst: Abbott

*dh*

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

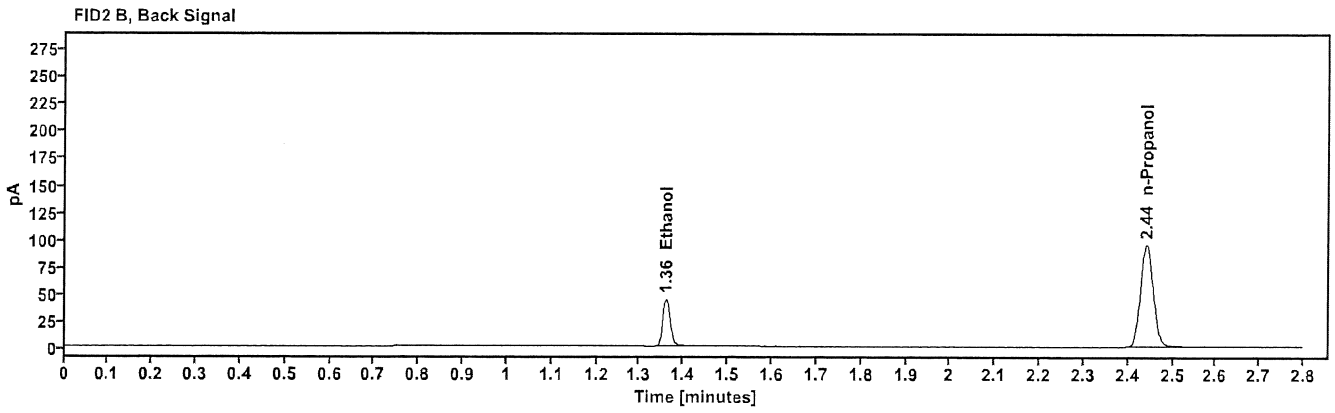
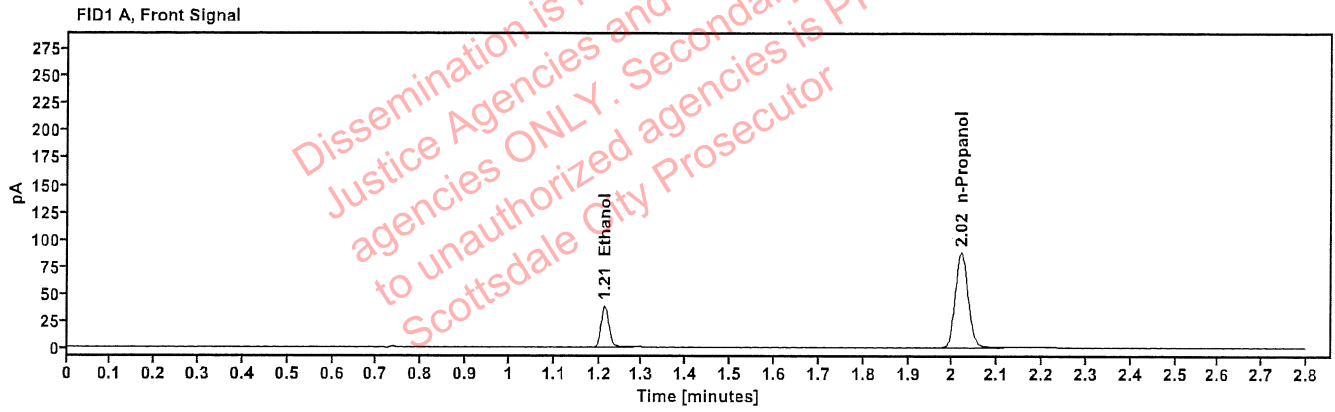


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.213	48.529
n-Propanol	-----	2.020	174.885

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

Compound	Time (min)	Peak Area
Ethanol	1.360	53.230
n-Propanol	2.441	189.448

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 30012020-A	<b>Vial:</b> 40
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Apr24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/15/2024 3:17:39 PM
<b>Data file:</b> C:\Chem32\1\Data\15Apr24\40.D	<b>Analyst:</b> Abbott

*JA*

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

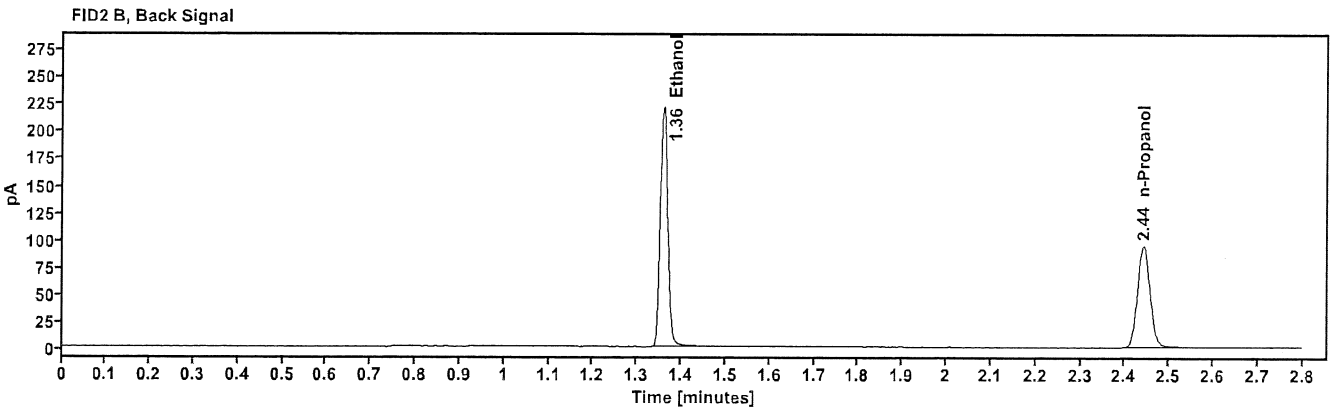
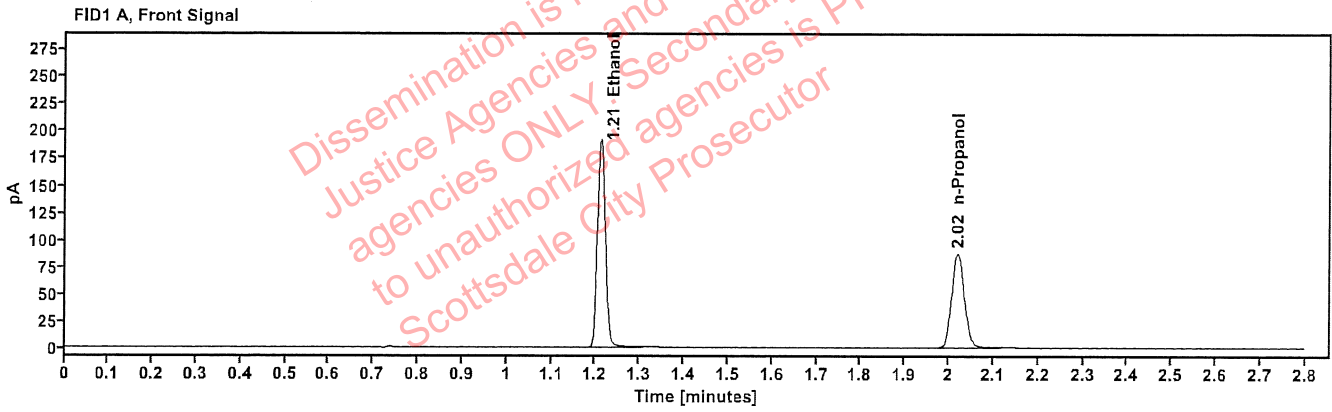


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4039	1.211	242.427
n-Propanol	-----	2.020	173.021

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

Compound	Time (min)	Peak Area
Ethanol	1.359	266.814
n-Propanol	2.442	187.573

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 41
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Apr24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/15/2024 3:21:40 PM
<b>Data file:</b> C:\Chem32\1\Data\15Apr24\41.D	<b>Analyst:</b> Abbott

*JA*

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

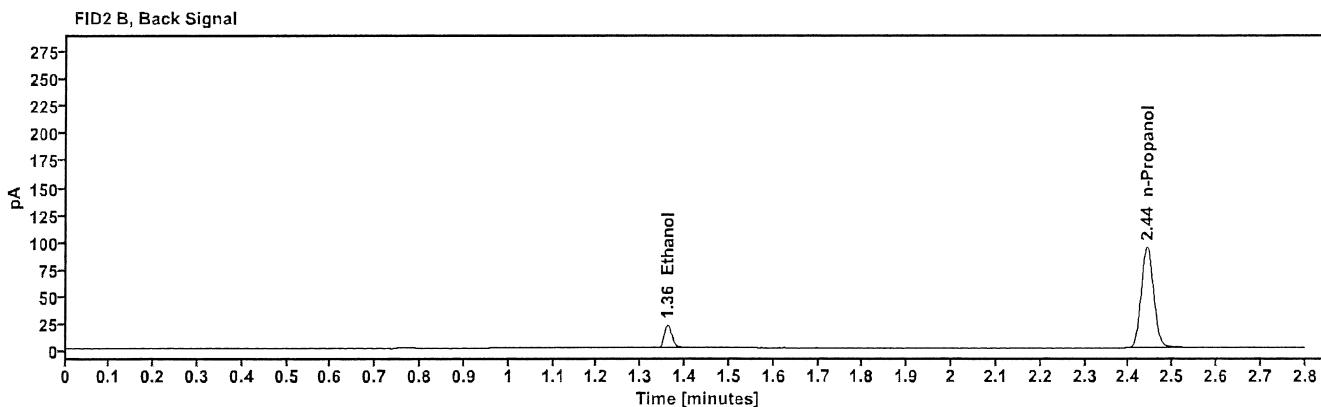
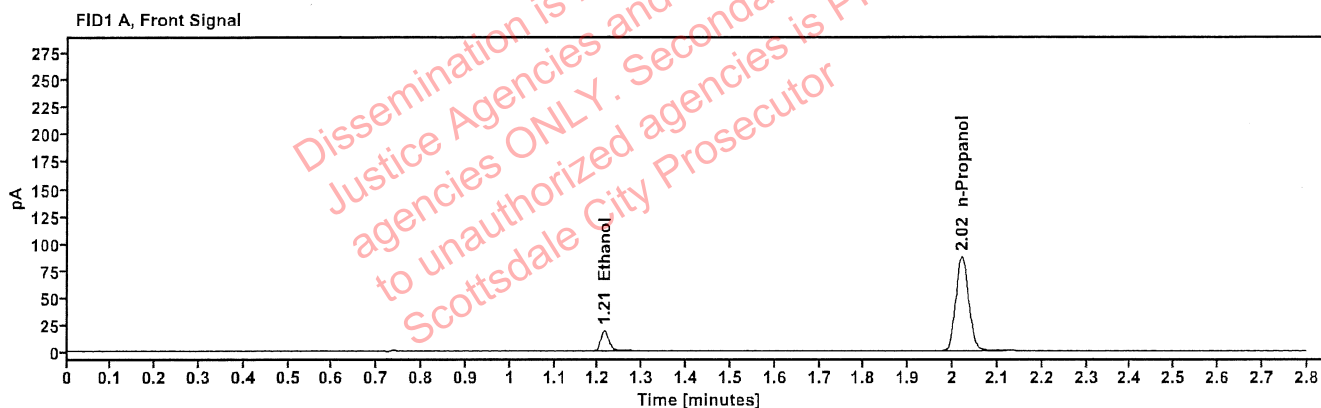


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0413	1.214	24.105
n-Propanol	-----	2.020	172.880

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

Compound	Time (min)	Peak Area
Ethanol	1.361	26.307
n-Propanol	2.442	187.601

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 42
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 15Apr24
Instrument: US14173023 CN14160045	Injection date: 4/15/2024 3:25:40 PM
Data file: C:\Chem32\1\Data\15Apr24\42.D	Analyst: Abbott

*Abbott*

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

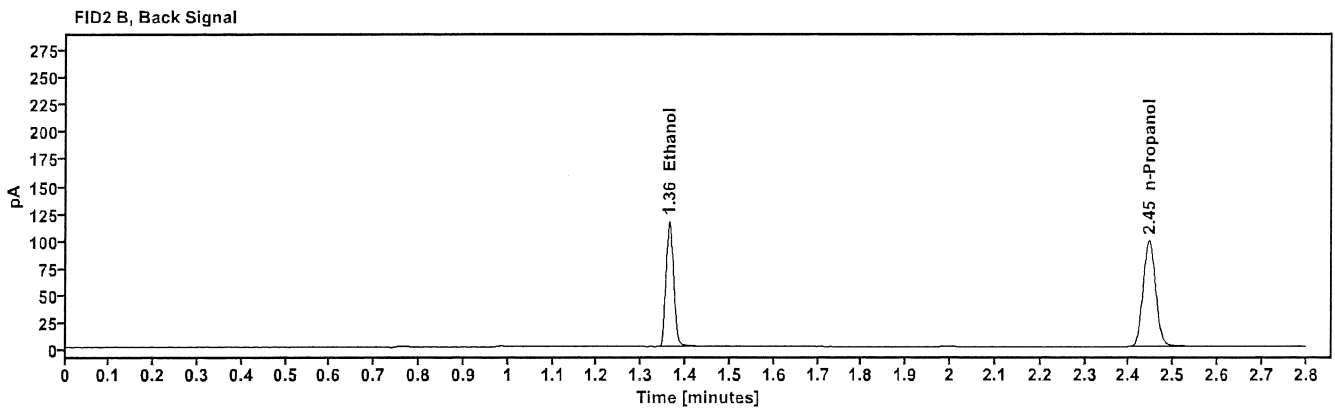
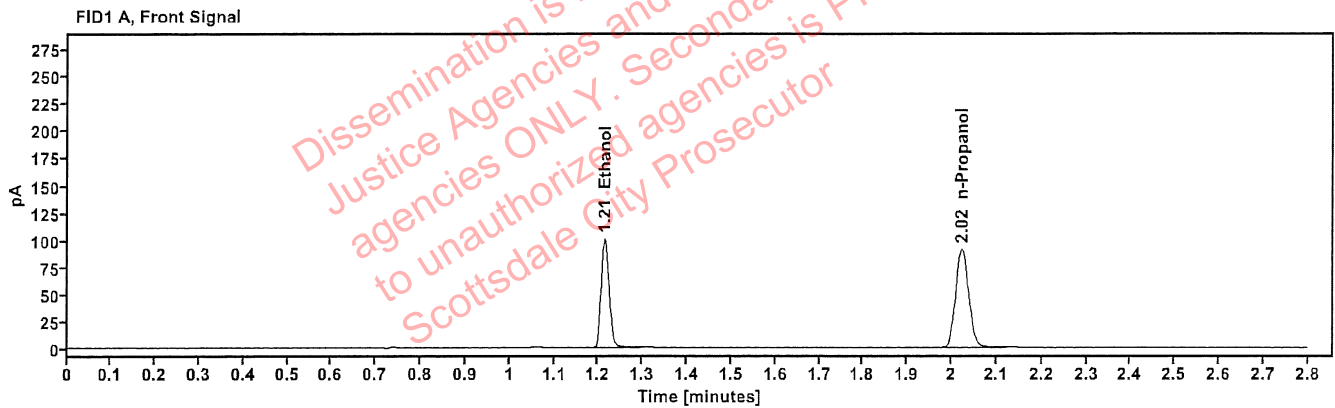


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2043	1.214	128.279
n-Propanol	-----	2.022	181.572

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

Compound	Time (min)	Peak Area
Ethanol	1.363	141.152
n-Propanol	2.445	196.951



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 032824AQ	<b>Vial:</b> 43
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Apr24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/15/2024 3:29:54 PM
<b>Data file:</b> C:\Chem32\1\Data\15Apr24\43.D	<b>Analyst:</b> Abbott <span style="float: right;">Jh</span>

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

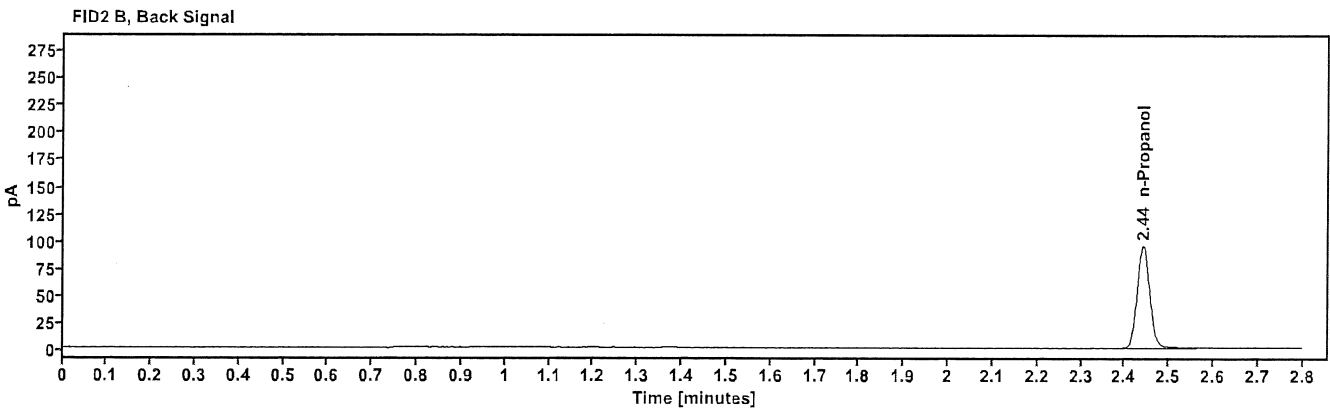
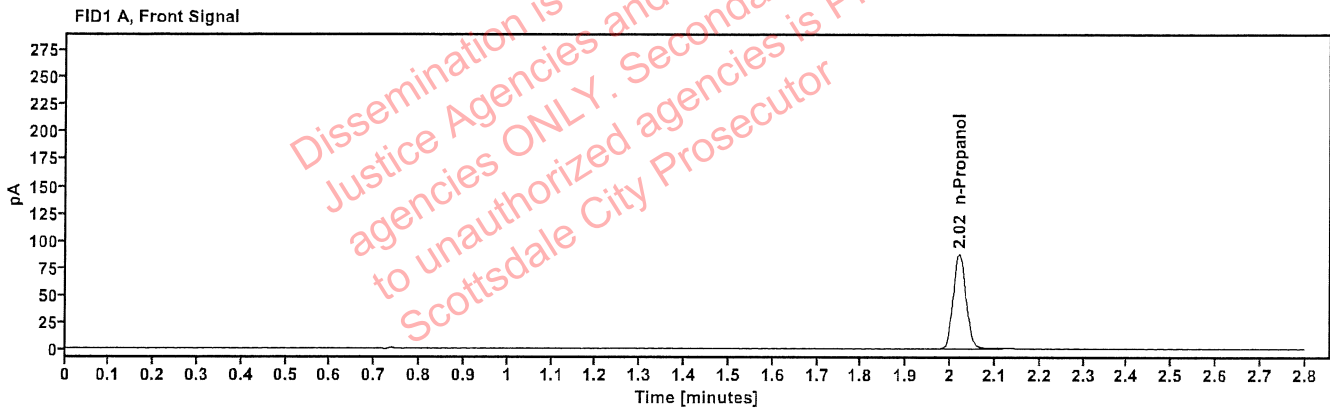


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.020	174.115

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

Compound	Time (min)	Peak Area
n-Propanol	2.441	188.972

# Sequence Summary

Sequence name: 15Apr24      Instrument: US14173023 CN14160045      Analyst: Abbott *JA*

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN03072301	0.100 calibrator	Calibration		ethanol quant.M
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	2406771-1				ethanol quant.M
11	2406771-1				ethanol quant.M
12	2407061-2				ethanol quant.M
13	2407061-2				ethanol quant.M
14	422-01A.A.				ethanol quant.M
15	422-01A.A.				ethanol quant.M
16	390-01D.F.				ethanol quant.M
17	390-01D.F.				ethanol quant.M
18	409-01N.S.				ethanol quant.M
19	409-01N.S.				ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	353-01S.Y.				ethanol quant.M
22	353-01S.Y.				ethanol quant.M
23	2407067-1				ethanol quant.M
24	2407067-1				ethanol quant.M
25	2406772-1				ethanol quant.M
26	2406772-1				ethanol quant.M
27	2407010-1				ethanol quant.M
28	2407010-1				ethanol quant.M
29	2407366-2				ethanol quant.M
30	2407366-2				ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2407367-1				ethanol quant.M
33	2407367-1				ethanol quant.M
34	2407539-2				ethanol quant.M
35	2407539-2				ethanol quant.M
36	2407543-2				ethanol quant.M
37	2407543-2				ethanol quant.M
38	2407548-2				ethanol quant.M
39	2407548-2				ethanol quant.M
40	30012020-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	4110320133/11	0.199	Control		ethanol quant.M
43	032824AQ	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 15Apr24

ANALYST: Abbott *JA*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0858	0.0856	0.08570	0.12	0.00010
12 13	0.2193	0.2216	0.22045	0.52	0.00115
14 15	0.2592	0.2564	0.25780	0.54	0.00140
16 17	0.2201	0.2225	0.22130	0.54	0.00120
18 19	0.1087	0.1090	0.10885	0.14	0.00015
21 22	0.1940	0.1954	0.19470	0.36	0.00070
23 24	0.1594	0.1588	0.15910	0.19	0.00030
25 26	0.1119	0.1117	0.11180	0.09	0.00010
27 28	0.1741	0.1735	0.17380	0.17	0.00030
29 30	0.1192	0.1196	0.11940	0.17	0.00020
32 33	0.2506	0.2490	0.24980	0.32	0.00080
34 35	0.1264	0.1264	0.12640	0.00	0.00000
36 37	0.3005	0.2959	0.29820	0.77	0.00230
38 39	0.2550	0.2511	0.25305	0.77	0.00195

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

# Scottsdale Forensic Lab

## Blood Alcohol Pipetting Log

ANALYST: Abbott

SEQUENCE: 15Apr24

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2406771-1	2406771-1	2406771-1	Yes
Vials 12 and 13	2407061-2	2407061-2	2407061-2	Yes
Vials 14 and 15	422-01A.A.	422-01A.A.	422-01A.A.	Yes
Vials 16 and 17	390-01D.F.	390-01D.F.	390-01D.F.	Yes
Vials 18 and 19	409-01N.S.	409-01N.S.	409-01N.S.	Yes
Vials 21 and 22	353-01S.Y.	353-01S.Y.	353-01S.Y.	Yes
Vials 23 and 24	2407067-1	2407067-1	2407067-1	Yes
Vials 25 and 26	2406772-1	2406772-1	2406772-1	Yes
Vials 27 and 28	2407010-1	2407010-1	2407010-1	Yes
Vials 29 and 30	2407366-2	2407366-2	2407366-2	Yes
Vials 32 and 33	2407367-1	2407367-1	2407367-1	Yes
Vials 34 and 35	2407539-2	2407539-2	2407539-2	Yes
Vials 36 and 37	2407543-2	2407543-2	2407543-2	Yes
Vials 38 and 39	2407548-2	2407548-2	2407548-2	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2406771-1	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:16:24 PM
Data file:	C:\Chem32\1\Data\15Apr24\10.D	Analyst:	Abbott

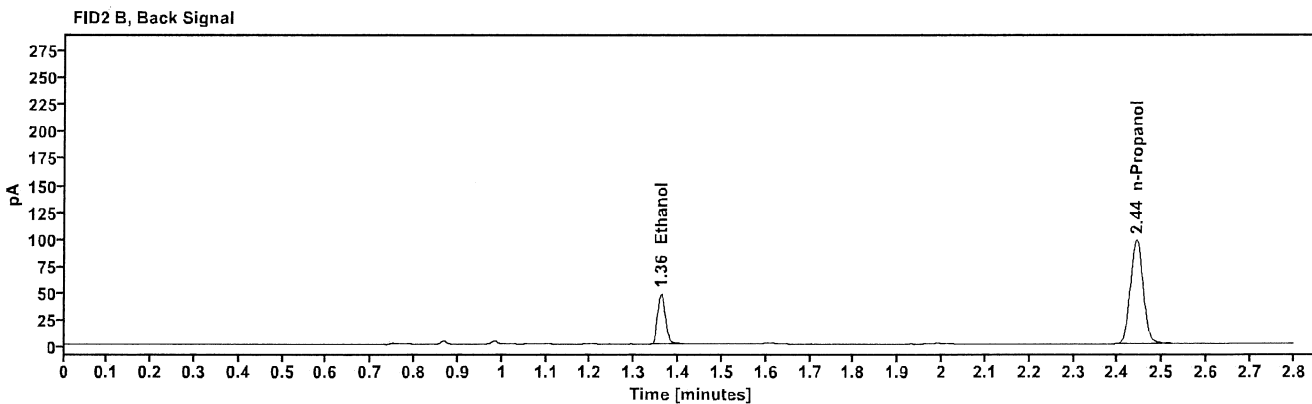
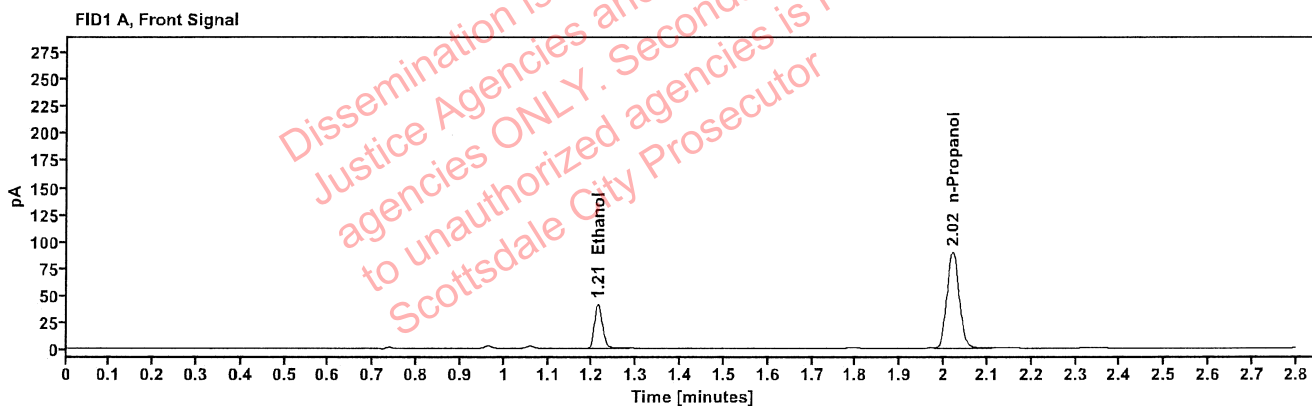


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0858	1.213	52.325
n-Propanol	-----	2.020	177.819

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

Compound	Time (min)	Peak Area
Ethanol	1.360	57.394
n-Propanol	2.442	193.295

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2406771-1	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:20:24 PM
Data file:	C:\Chem32\1\Data\15Apr24\11.D	Analyst:	Abbott

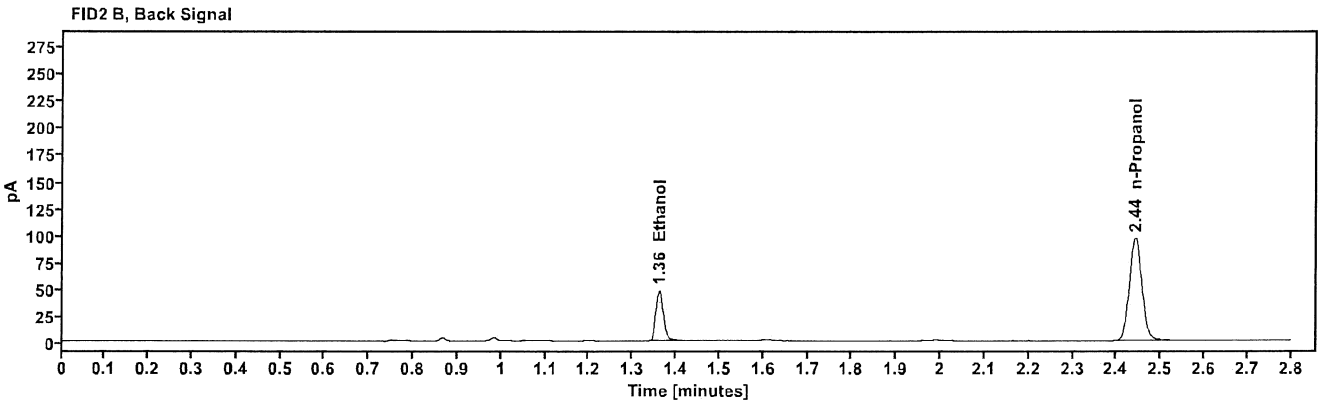
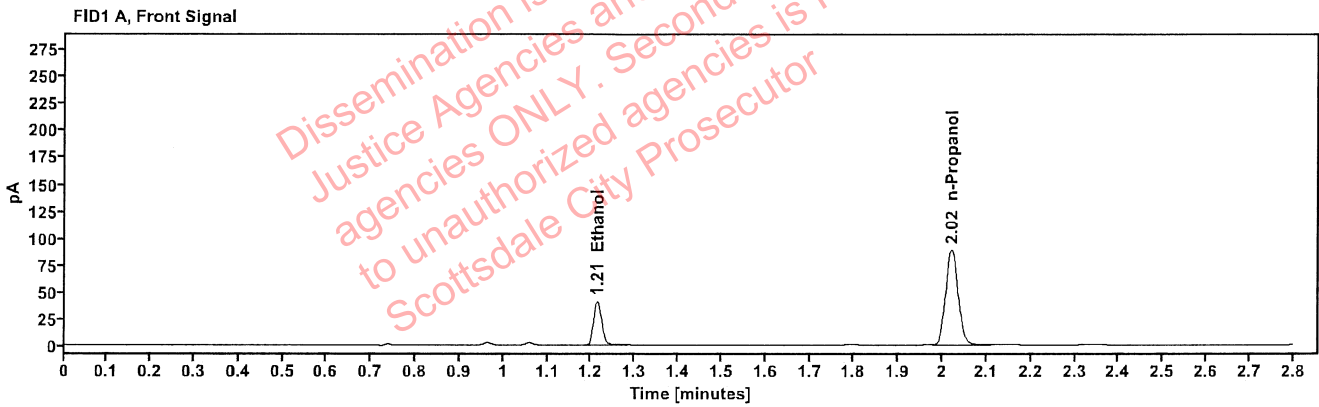


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0856	1.213	52.004
n-Propanol	-----	2.020	177.184

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

Compound	Time (min)	Peak Area
Ethanol	1.361	57.092
n-Propanol	2.442	191.532

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407061-2	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:24:23 PM
Data file:	C:\Chem32\1\Data\15Apr24\12.D	Analyst:	Abbott

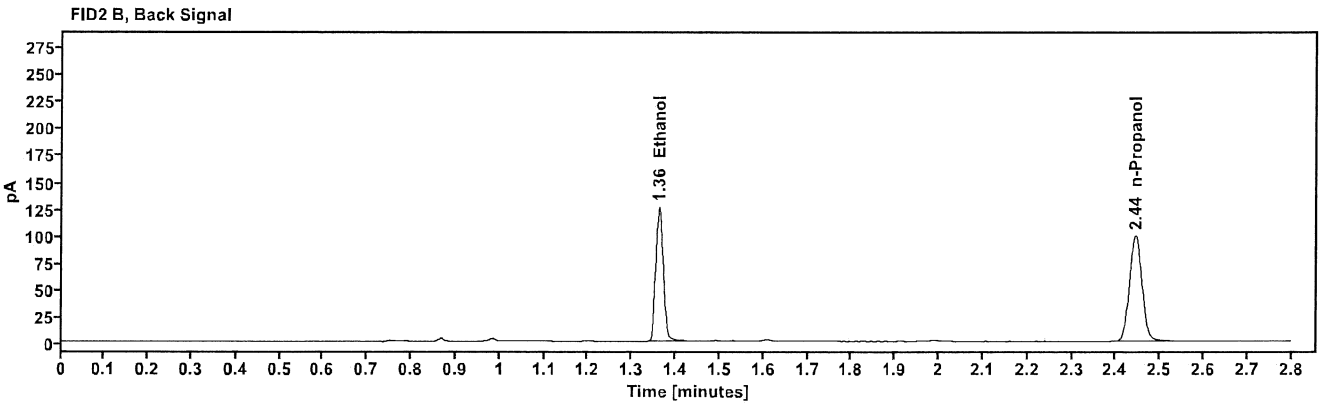
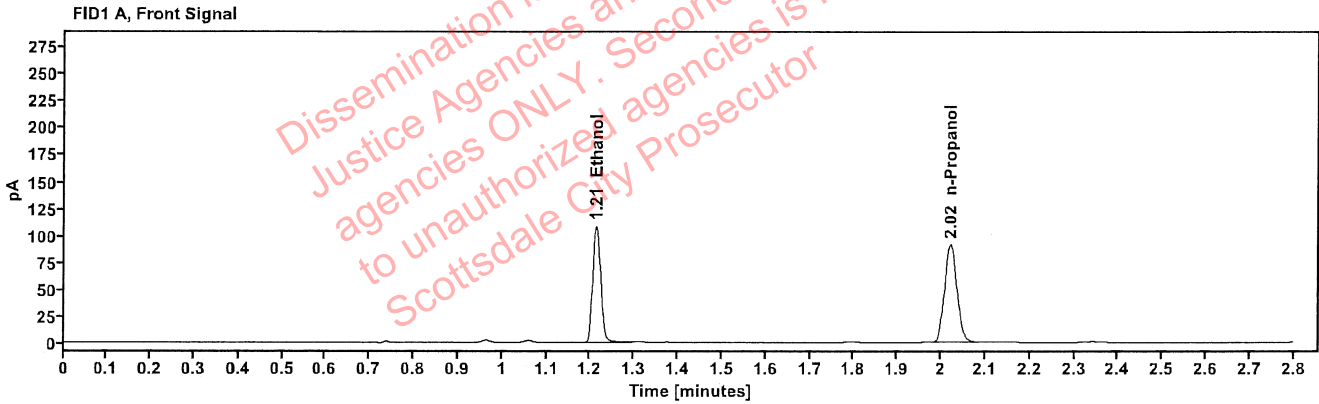


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2193	1.213	137.507
n-Propanol	-----	2.021	181.246

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

Compound	Time (min)	Peak Area
Ethanol	1.361	151.254
n-Propanol	2.443	197.053

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407061-2	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:28:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\13.D	Analyst:	Abbott

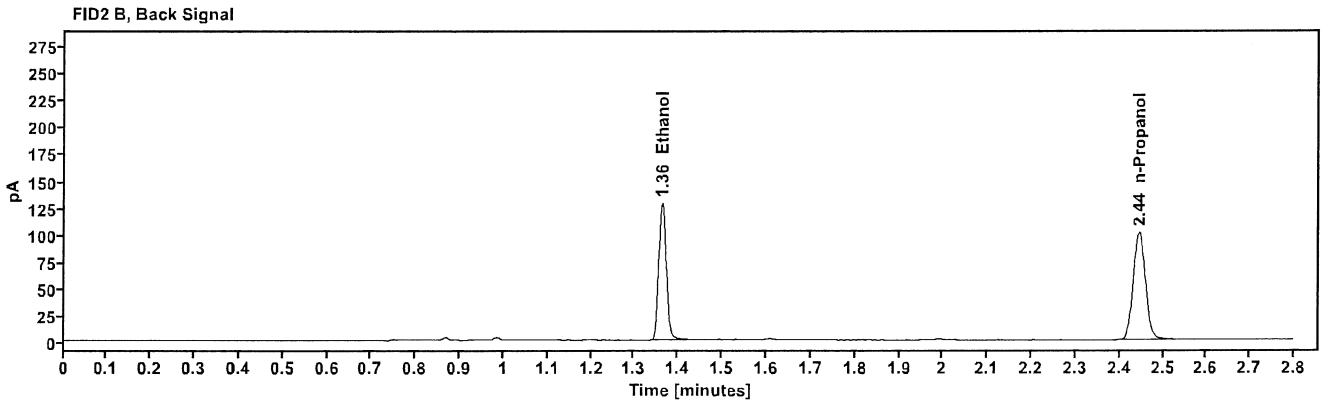
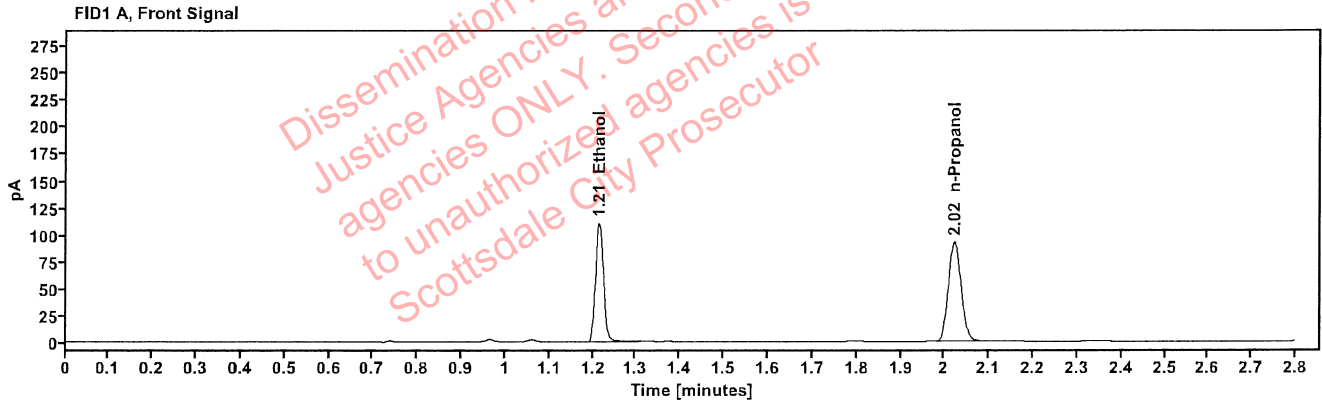


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2216	1.214	141.239
n-Propanol	-----	2.022	184.201

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

Compound	Time (min)	Peak Area
Ethanol	1.363	155.226
n-Propanol	2.445	200.096



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01A.A.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:32:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\14.D	Analyst:	Abbott

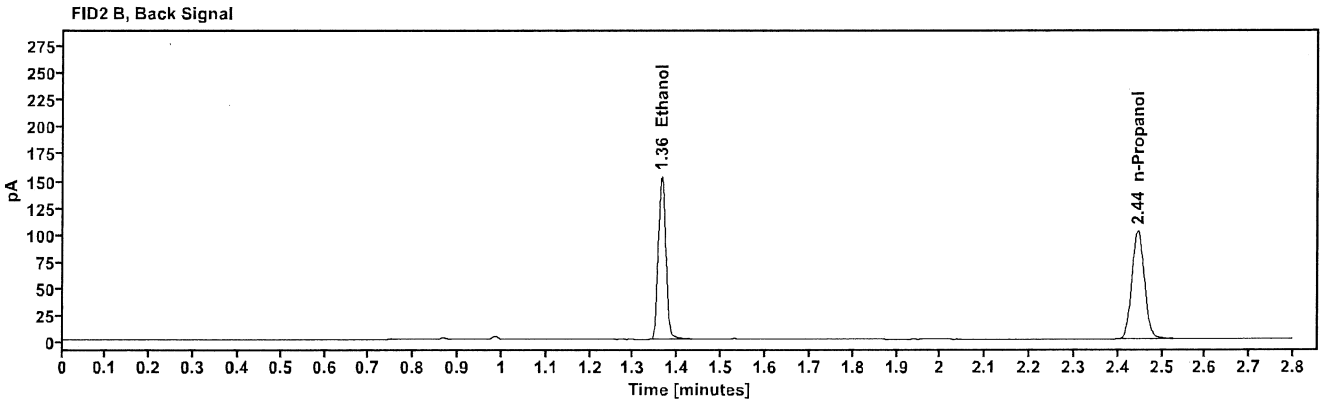
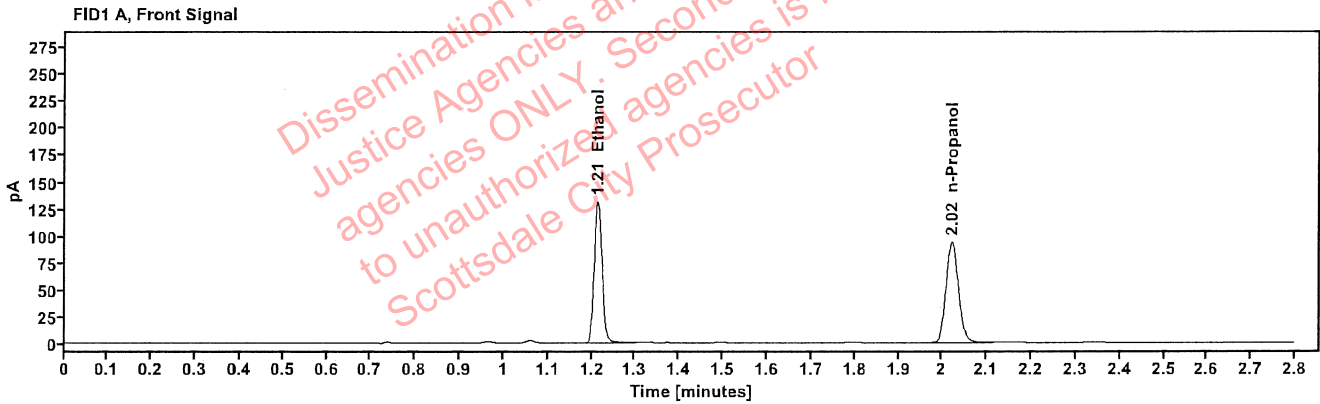


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2592	1.214	167.584
n-Propanol	-----	2.022	186.732

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

Compound	Time (min)	Peak Area
Ethanol	1.363	184.428
n-Propanol	2.445	202.411

[REDACTED]: Abbott, Lori - (15-Apr-2024)

Case: [REDACTED] ser: LAbbott 4/15/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01A.A.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:36:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\15.D	Analyst:	Abbott

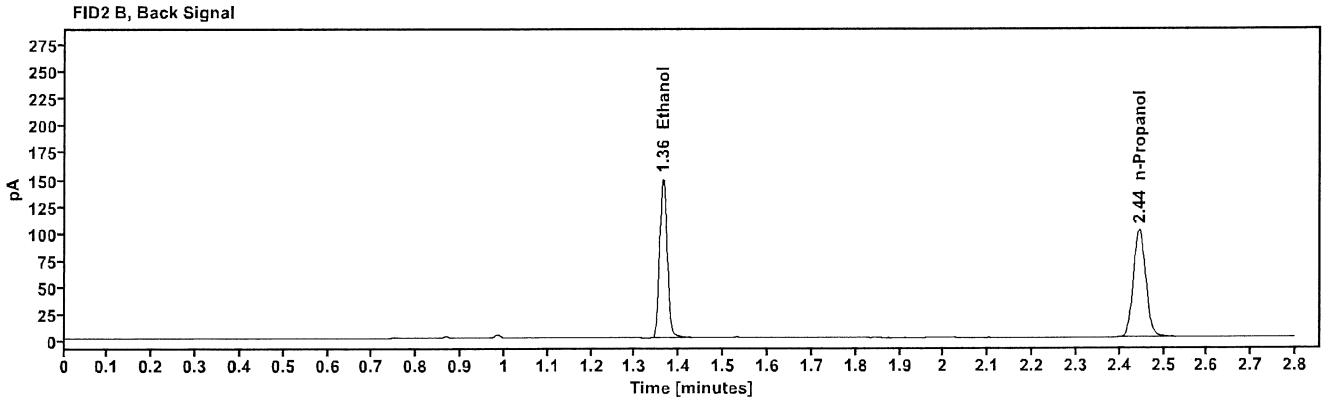
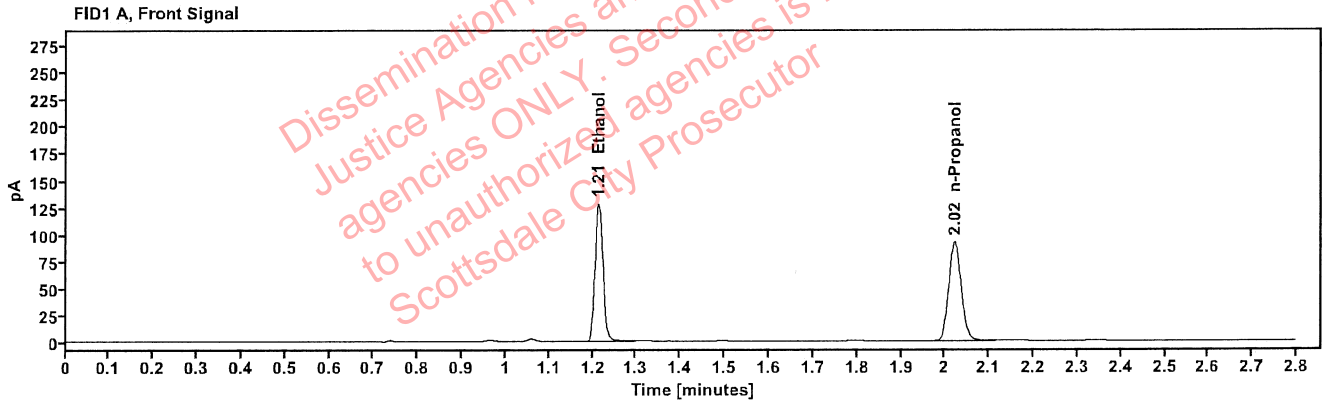


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2564	1.214	163.506
n-Propanol	-----	2.022	184.173

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

Compound	Time (min)	Peak Area
Ethanol	1.363	179.740
n-Propanol	2.445	199.542

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01D.F.	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:40:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\16.D	Analyst:	Abbott

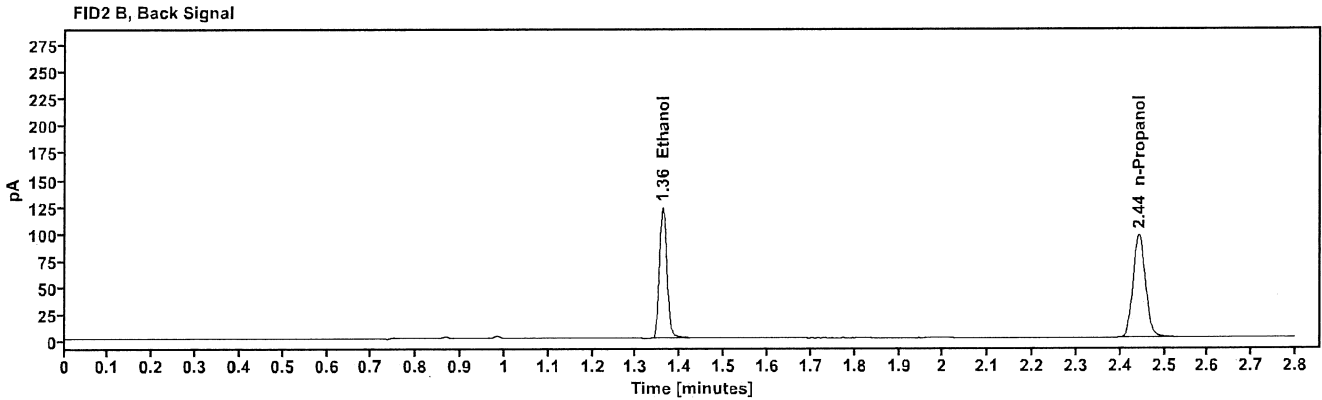
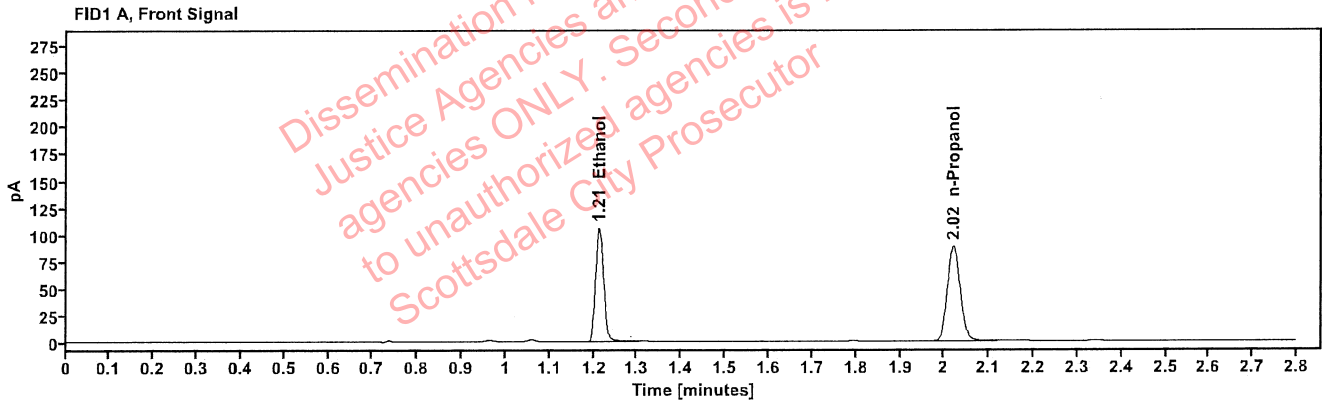


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2201	1.212	133.964
n-Propanol	---	2.020	175.881

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

Compound	Time (min)	Peak Area
Ethanol	1.360	147.004
n-Propanol	2.442	190.682

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01D.F.	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:44:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\17.D	Analyst:	Abbott

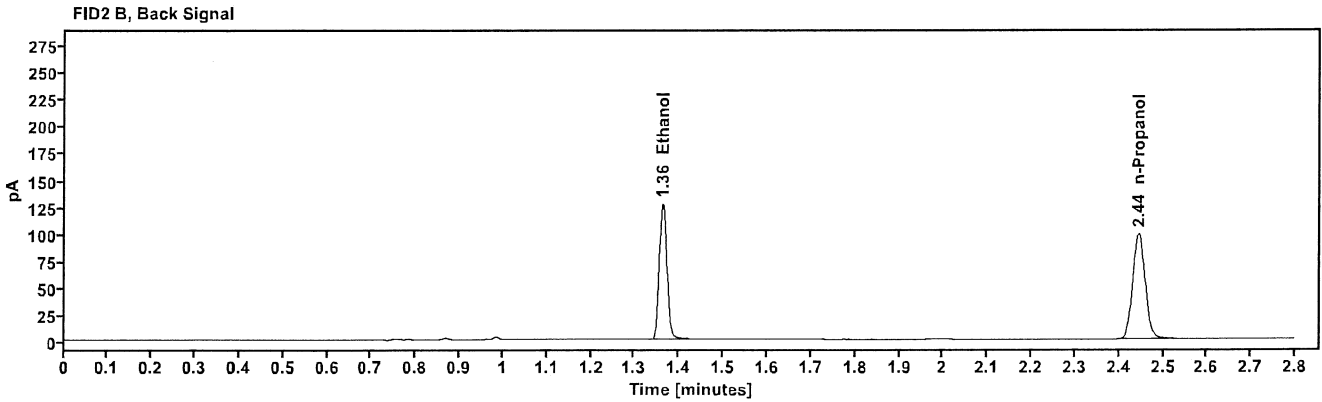
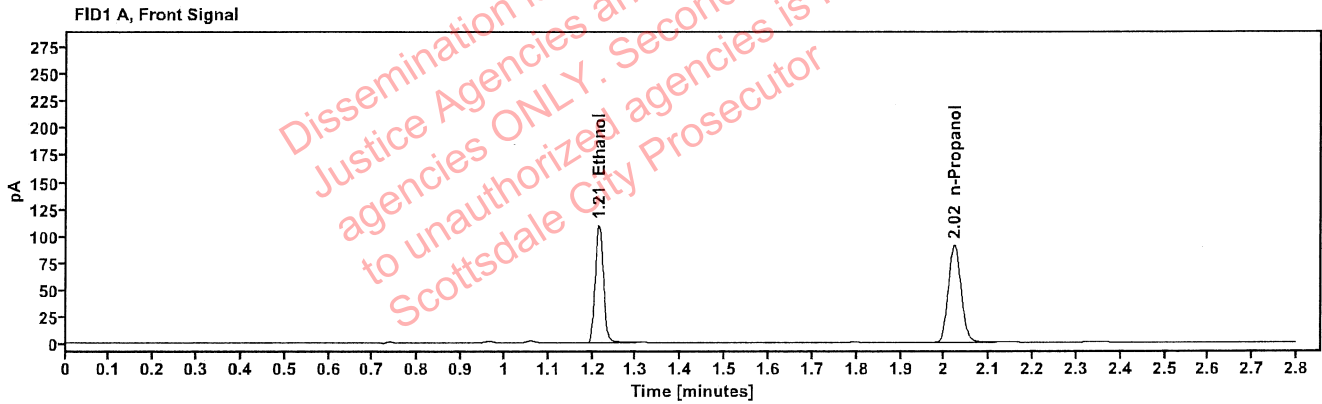


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2225	1.214	139.473
n-Propanol	-----	2.022	181.165

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

Compound	Time (min)	Peak Area
Ethanol	1.363	153.192
n-Propanol	2.444	196.273

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01N.S.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:48:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\18.D	Analyst:	Abbott

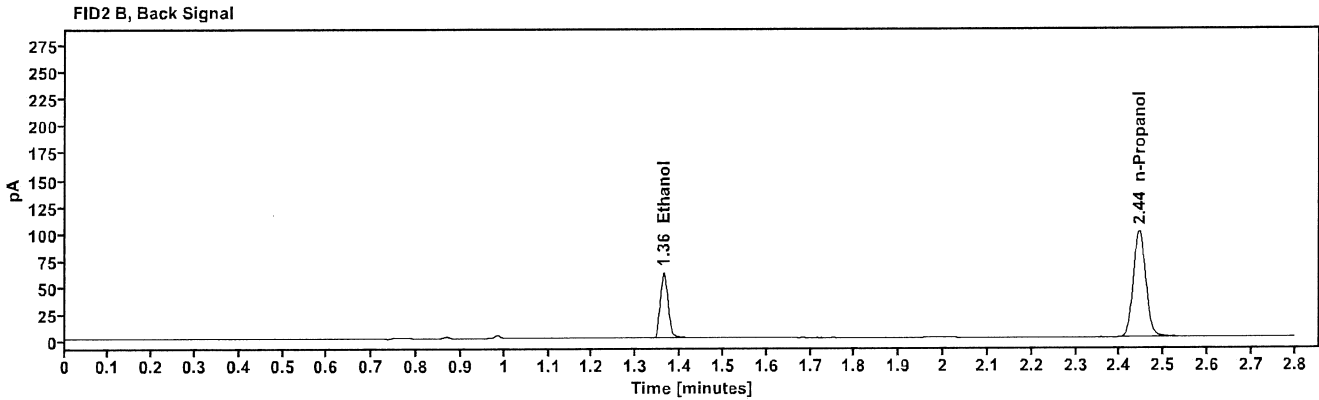
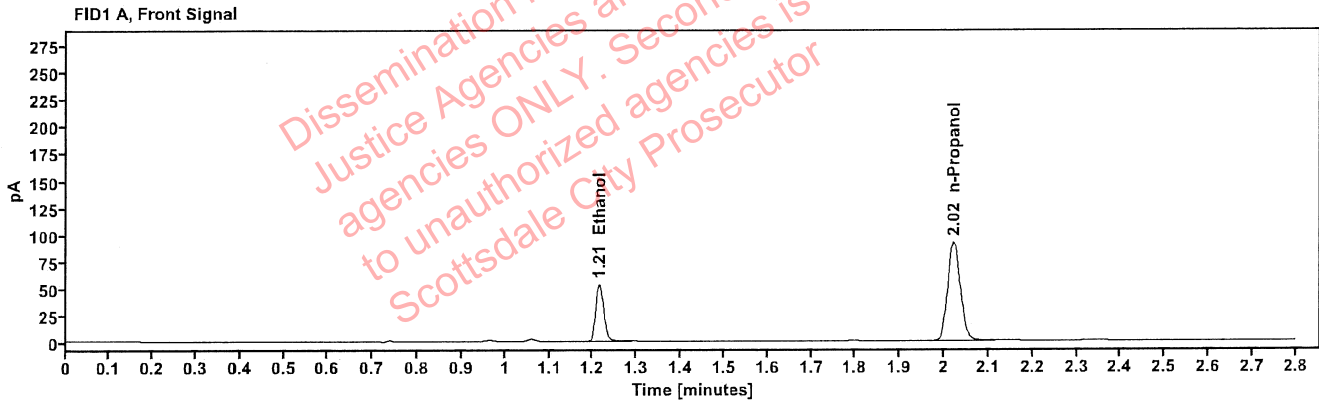


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1087	1.214	68.184
n-Propanol	---	2.021	182.299

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

Compound	Time (min)	Peak Area
Ethanol	1.363	74.694
n-Propanol	2.444	198.057

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01N.S.	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 1:52:53 PM
Data file:	C:\Chem32\1\Data\15Apr24\19.D	Analyst:	Abbott

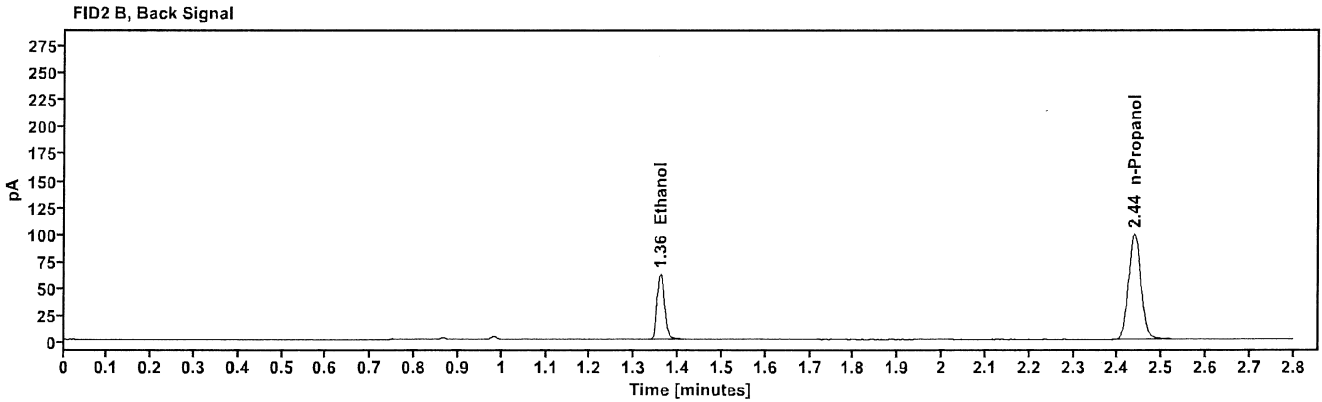
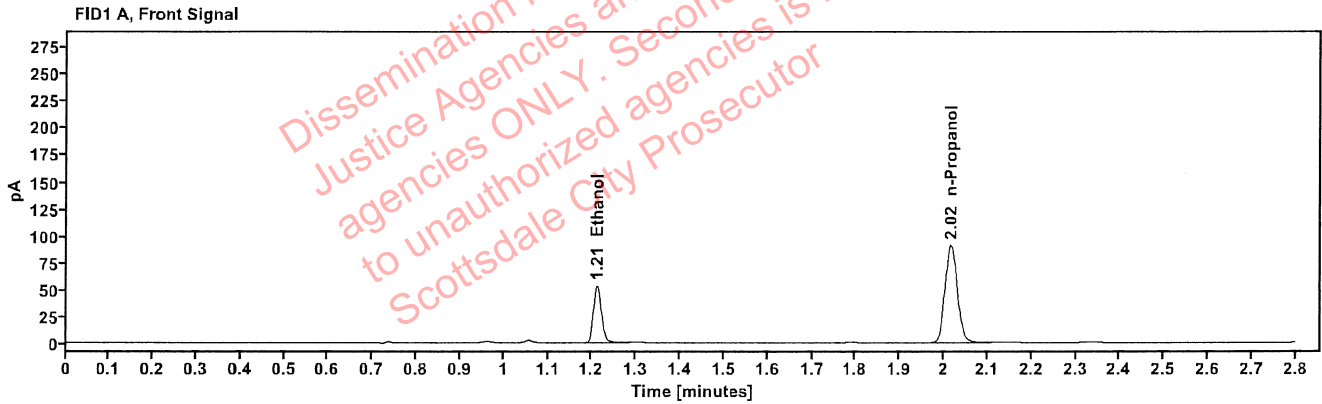


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1090	1.211	67.783
n-Propanol	-----	2.016	180.728

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

Compound	Time (min)	Peak Area
Ethanol	1.359	73.953
n-Propanol	2.438	196.046

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01S.Y.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:00:54 PM
Data file:	C:\Chem32\1\Data\15Apr24\21.D	Analyst:	Abbott

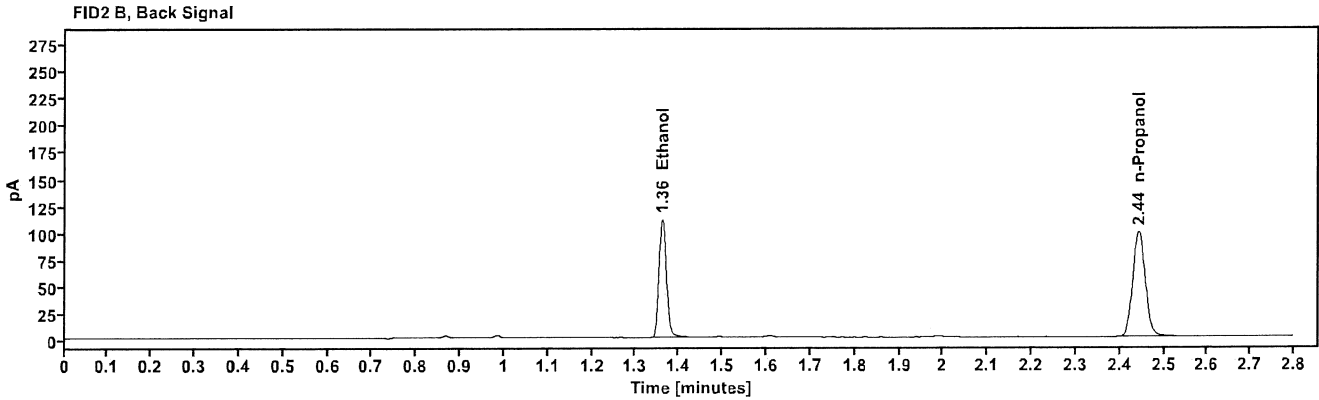
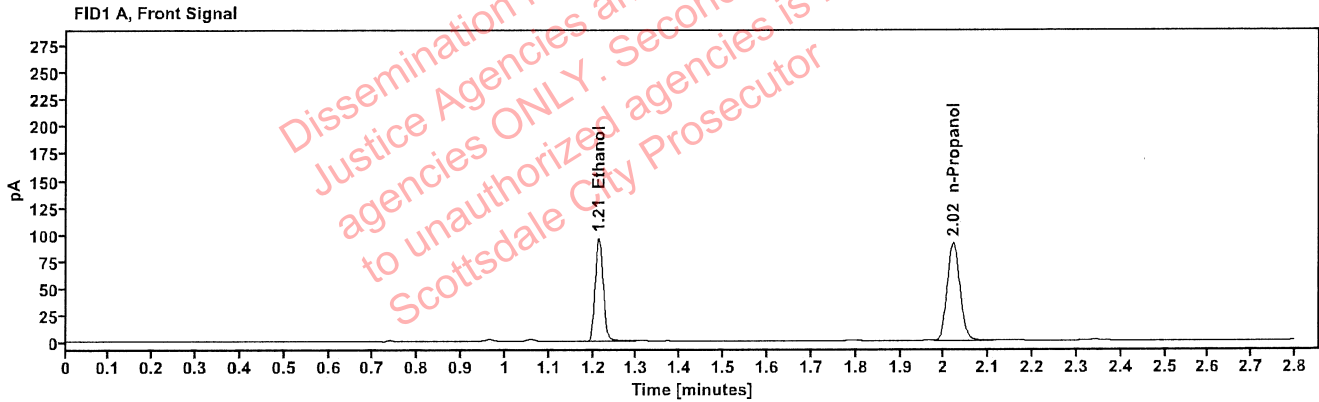


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1940	1.213	122.137
n-Propanol	-----	2.021	182.093

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

Compound	Time (min)	Peak Area
Ethanol	1.361	134.046
n-Propanol	2.443	196.691

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01S.Y.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:04:53 PM
Data file:	C:\Chem32\1\Data\15Apr24\22.D	Analyst:	Abbott

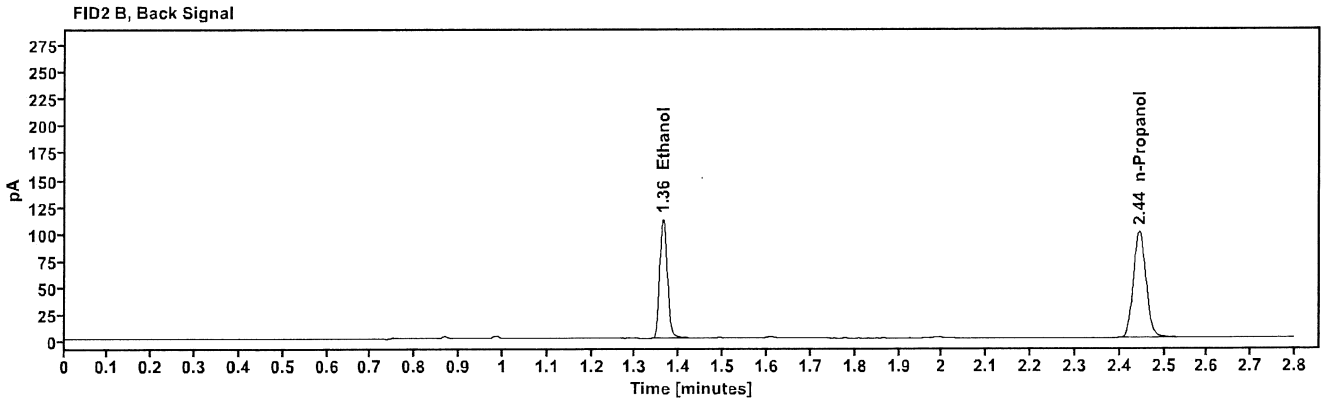
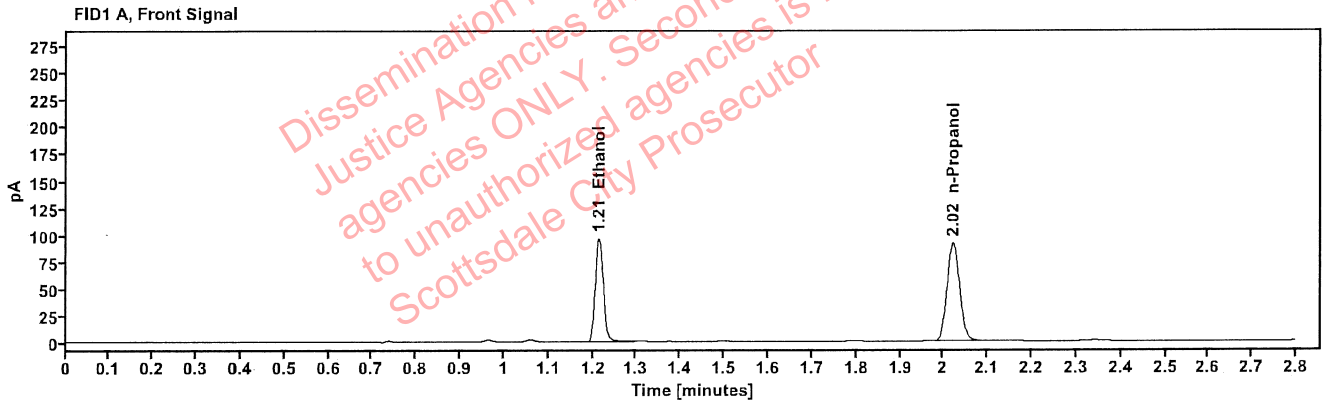


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1954	1.214	123.375
n-Propanol	-----	2.021	182.614

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

Compound	Time (min)	Peak Area
Ethanol	1.363	135.559
n-Propanol	2.444	198.519



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407067-1	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:08:54 PM
Data file:	C:\Chem32\1\Data\15Apr24\23.D	Analyst:	Abbott

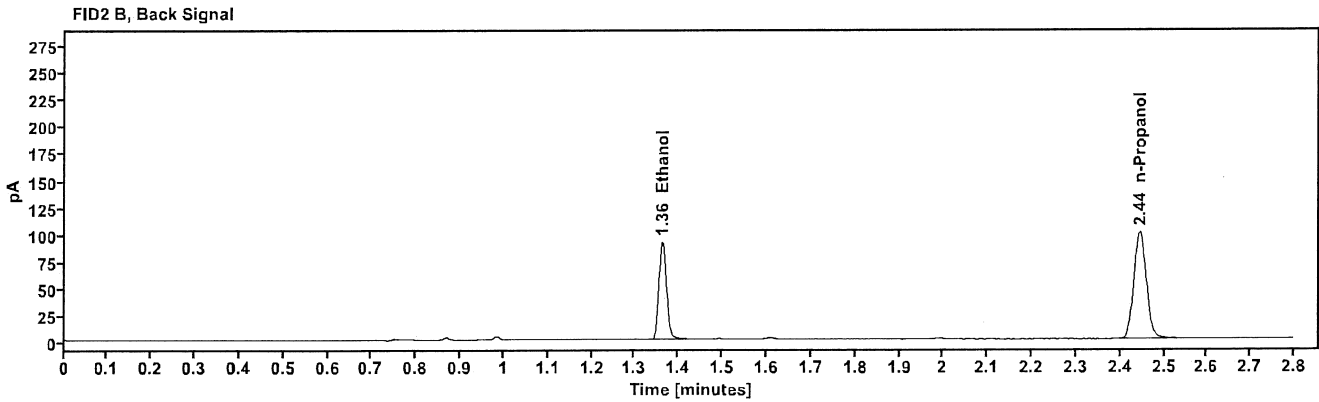
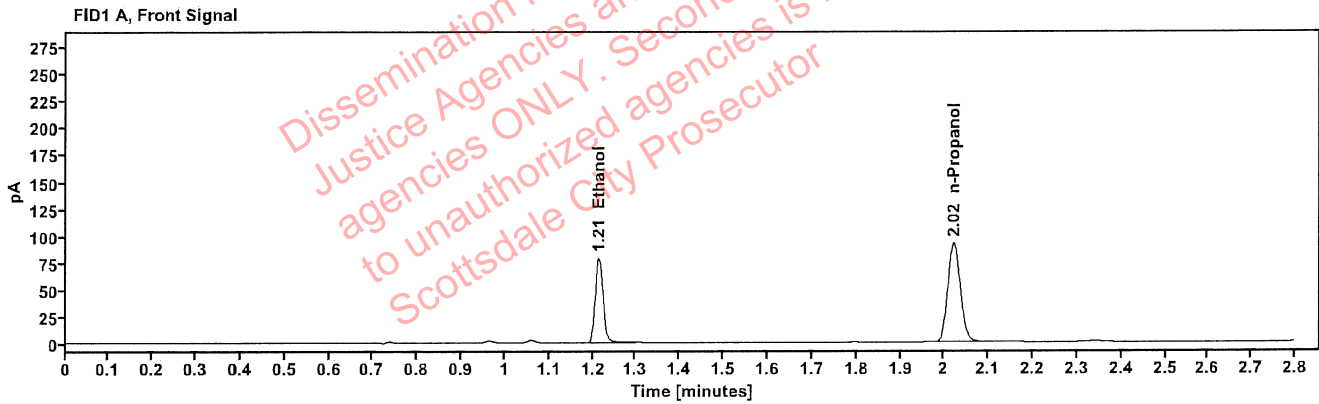


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1594	1.214	100.934
n-Propanol	-----	2.022	183.468

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

Compound	Time (min)	Peak Area
Ethanol	1.363	110.554
n-Propanol	2.444	199.360

## Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 2407067-1	<b>Vial:</b> 24
<b>Description:</b> [REDACTED]	<b>LIMS ID:</b> [REDACTED]
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Apr24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 4/15/2024 2:12:54 PM
<b>Data file:</b> C:\Chem32\1\Data\15Apr24\24.D	<b>Analyst:</b> Abbott

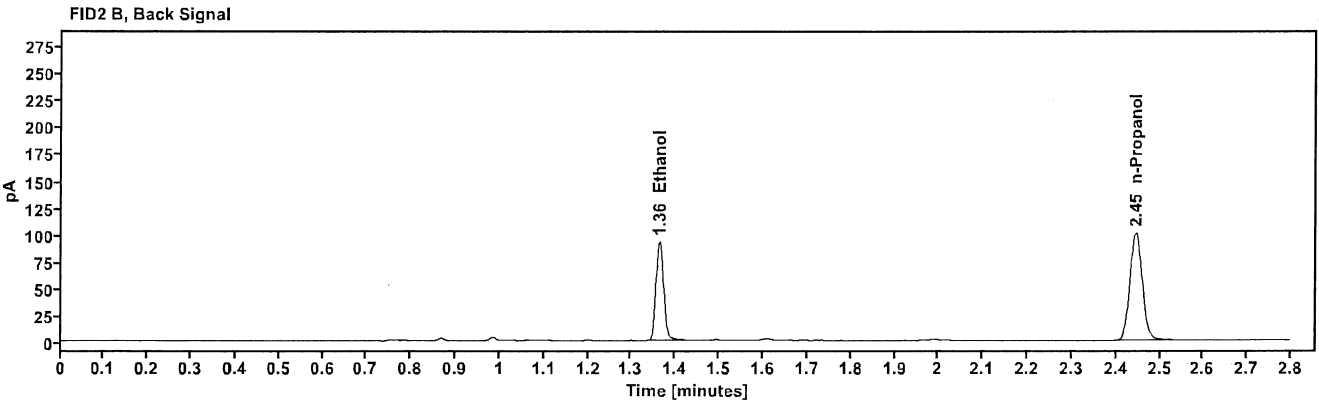
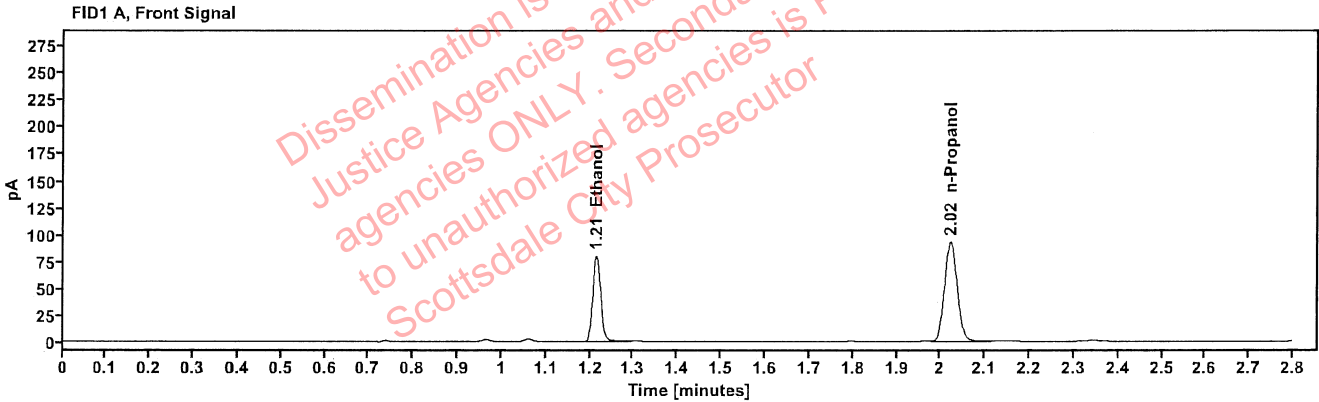


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1588	1.214	101.997
n-Propanol	-----	2.022	186.004

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

Compound	Time (min)	Peak Area
Ethanol	1.363	112.017
n-Propanol	2.445	200.970

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2406772-1	Vial:	25
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:17:09 PM
Data file:	C:\Chem32\1\Data\15Apr24\25.D	Analyst:	Abbott

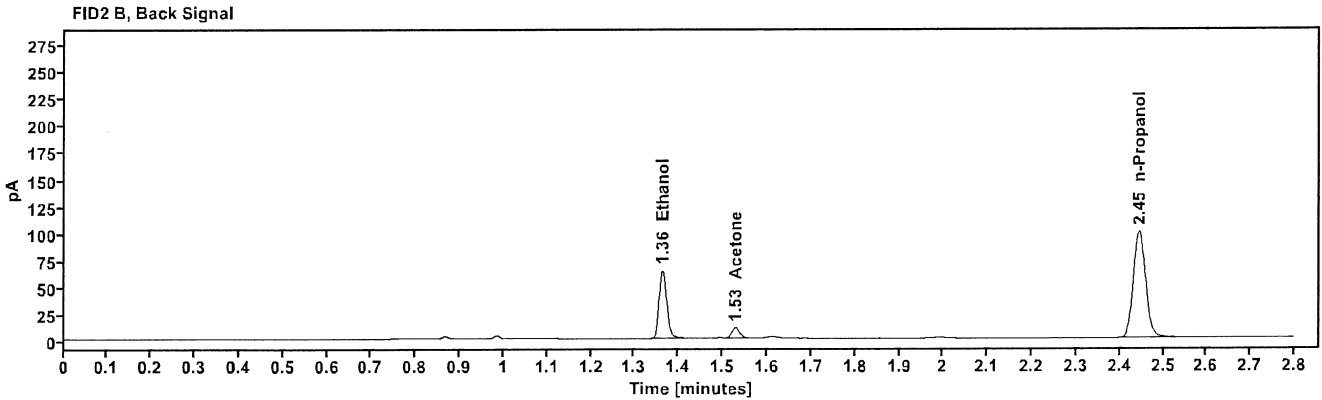
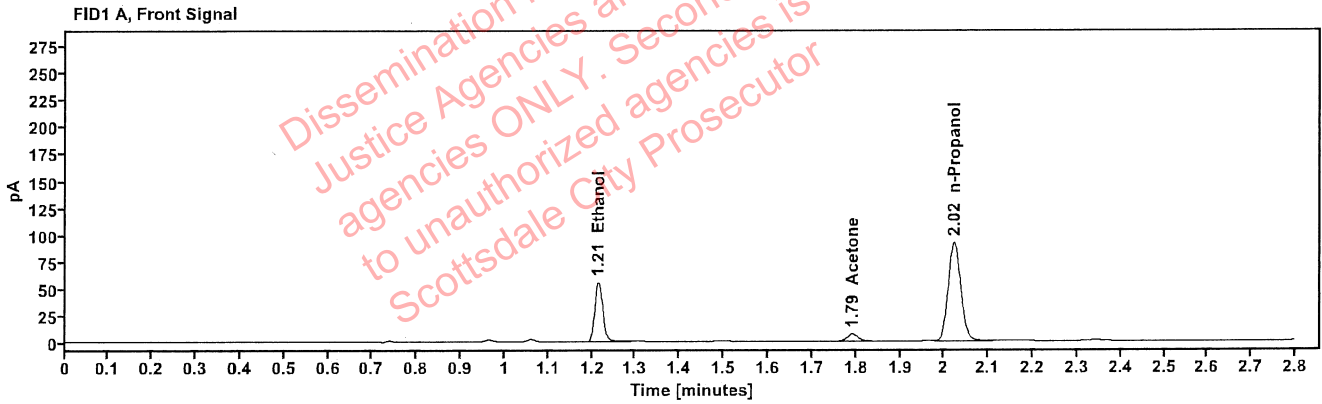


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1119	1.215	70.886
Acetone	-----	1.792	11.861
n-Propanol	-----	2.022	184.023

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

Compound	Time (min)	Peak Area
Ethanol	1.363	77.853
Acetone	1.528	13.055
n-Propanol	2.445	198.648

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2406772-1	Vial:	26
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:21:09 PM
Data file:	C:\Chem32\1\Data\15Apr24\26.D	Analyst:	Abbott

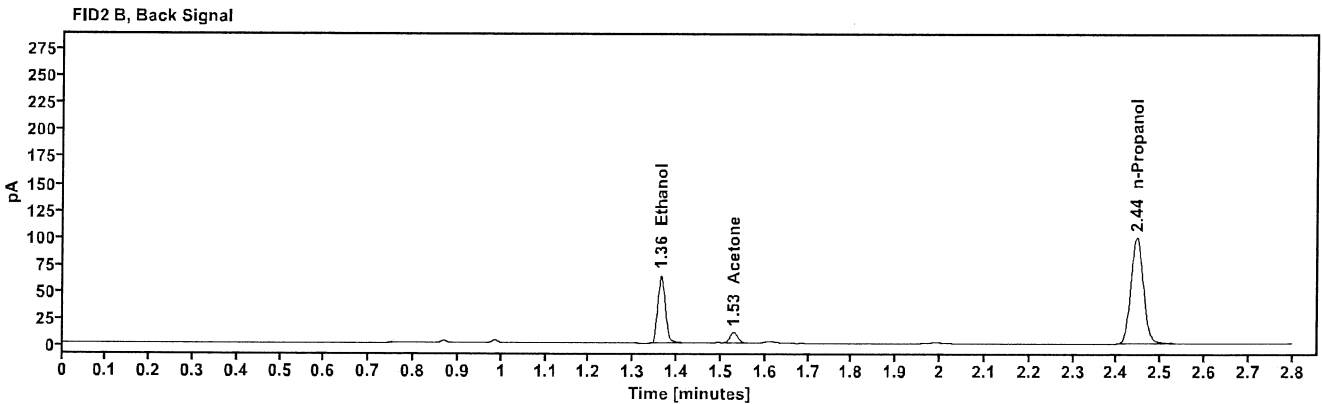
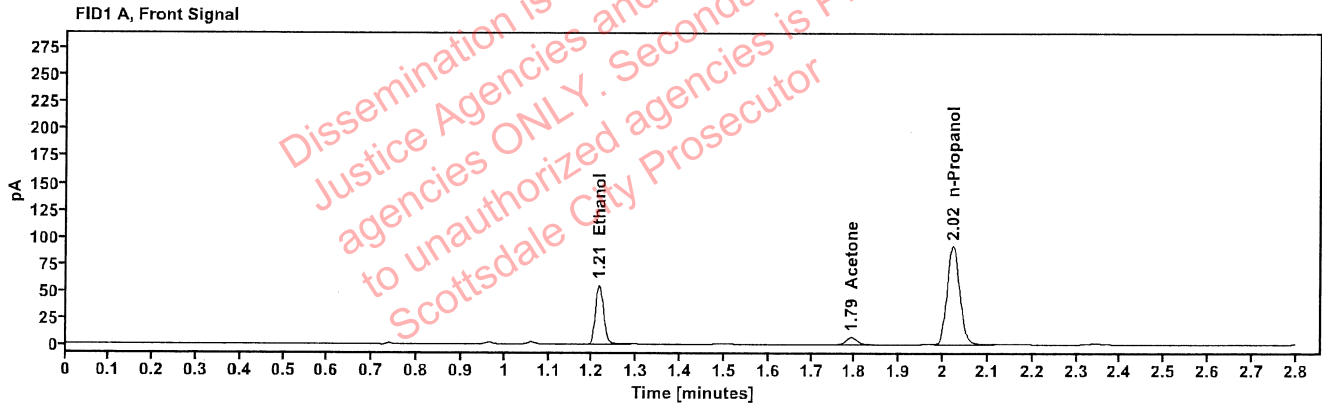


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1117	1.215	70.728
Acetone	-----	1.791	11.860
n-Propanol	-----	2.022	184.042

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

Compound	Time (min)	Peak Area
Ethanol	1.363	77.719
Acetone	1.528	13.058
n-Propanol	2.445	198.608

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407010-1	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.m	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:25:09 PM
Data file:	C:\Chem32\1\Data\15Apr24\27.D	Analyst:	Abbott

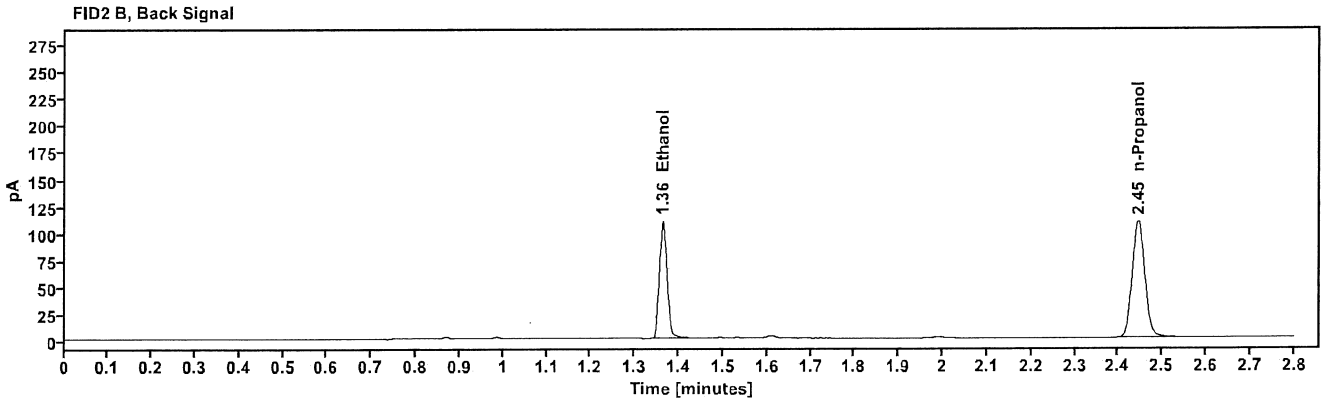
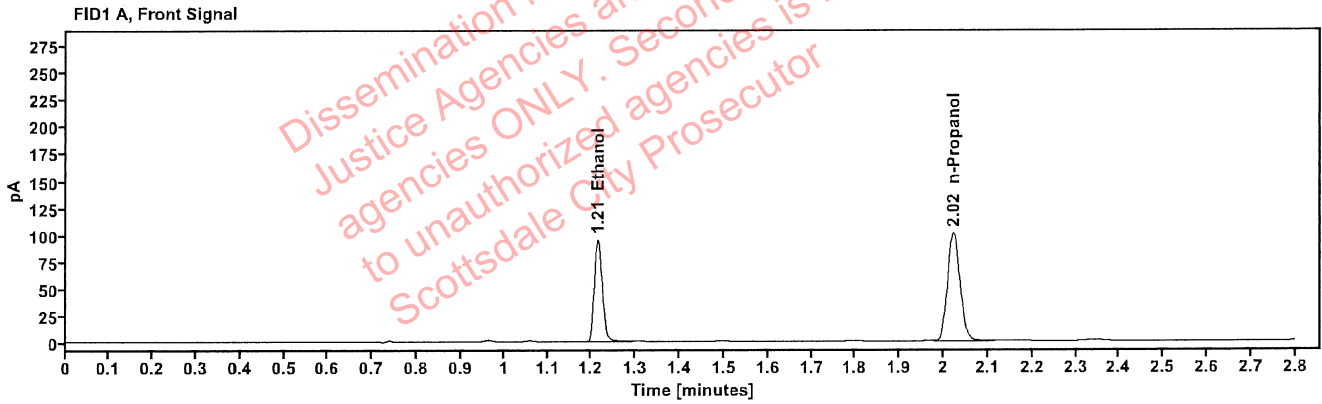


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1741	1.214	121.106
n-Propanol	---	2.022	201.409

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

Compound	Time (min)	Peak Area
Ethanol	1.363	133.212
n-Propanol	2.445	217.123

[REDACTED]: Abbott, Lori - (15-Apr-2024)

Case: [REDACTED] User: LAbbott 4/15/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407010-1	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:29:09 PM
Data file:	C:\Chem32\1\Data\15Apr24\28.D	Analyst:	Abbott

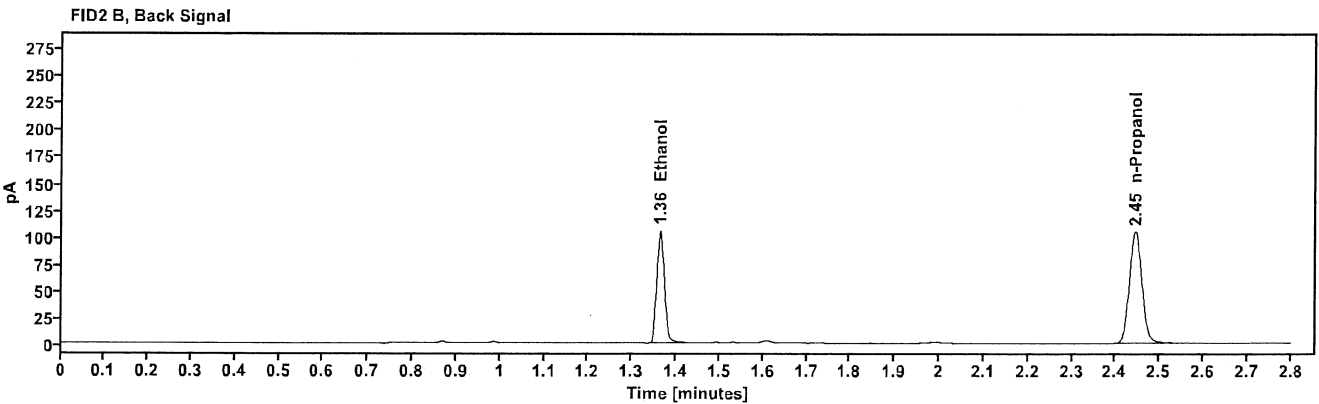
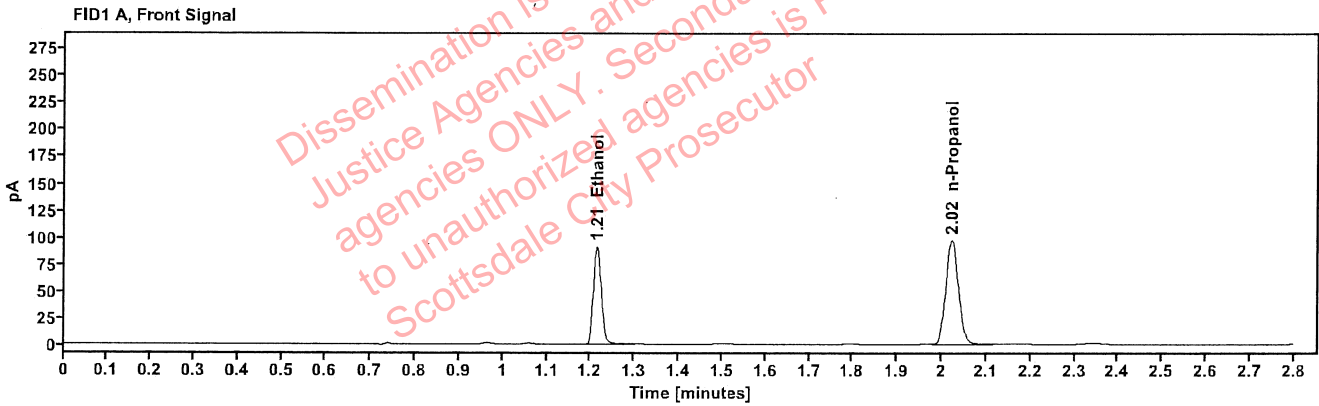


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1735	1.214	116.311
n-Propanol	-----	2.022	194.048

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

Compound	Time (min)	Peak Area
Ethanol	1.363	127.850
n-Propanol	2.445	209.291

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407366-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:33:09 PM
Data file:	C:\Chem32\1\Data\15Apr24\29.D	Analyst:	Abbott

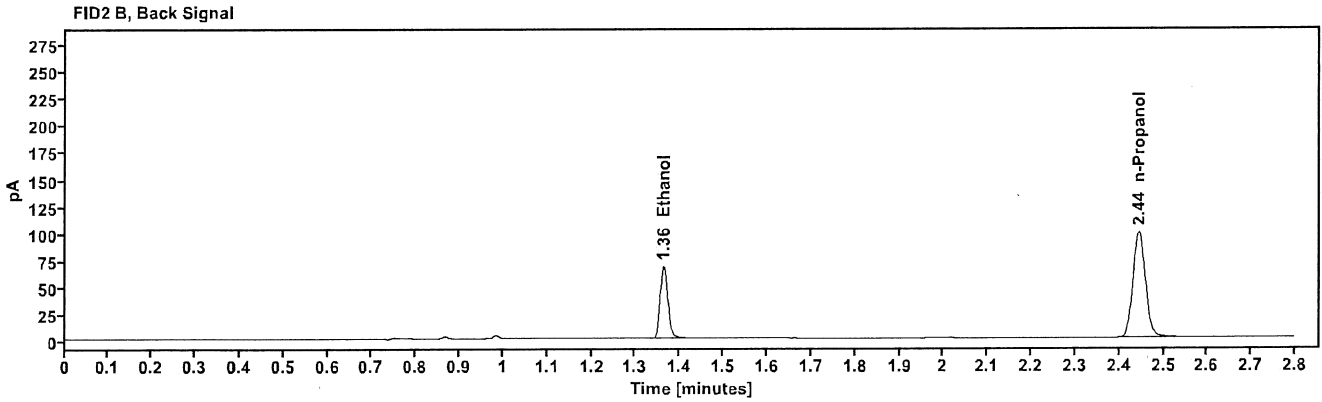
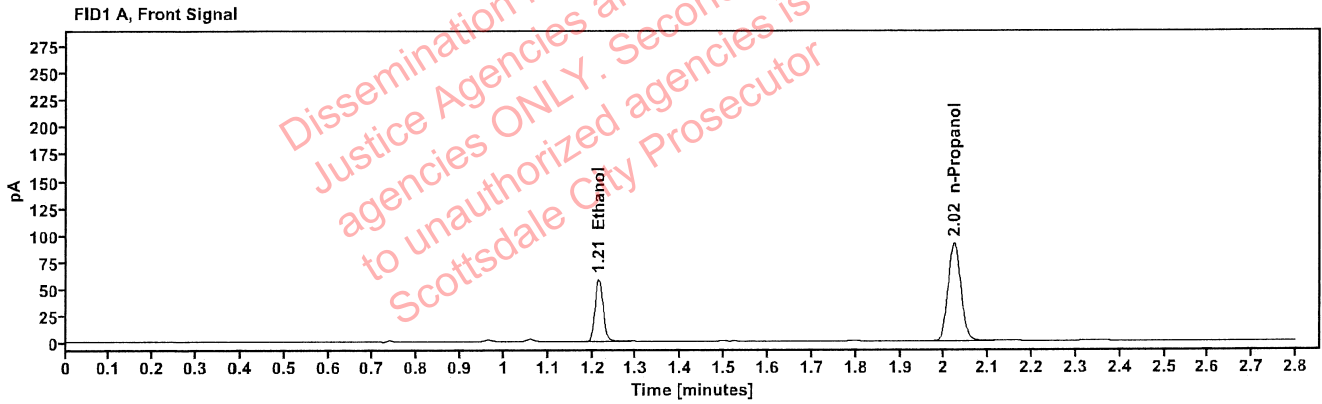


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1192	1.214	74.718
n-Propanol	-----	2.022	182.092

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

Compound	Time (min)	Peak Area
Ethanol	1.363	81.820
n-Propanol	2.444	197.455

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407366-2	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:37:09 PM
Data file:	C:\Chem32\1\Data\15Apr24\30.D	Analyst:	Abbott

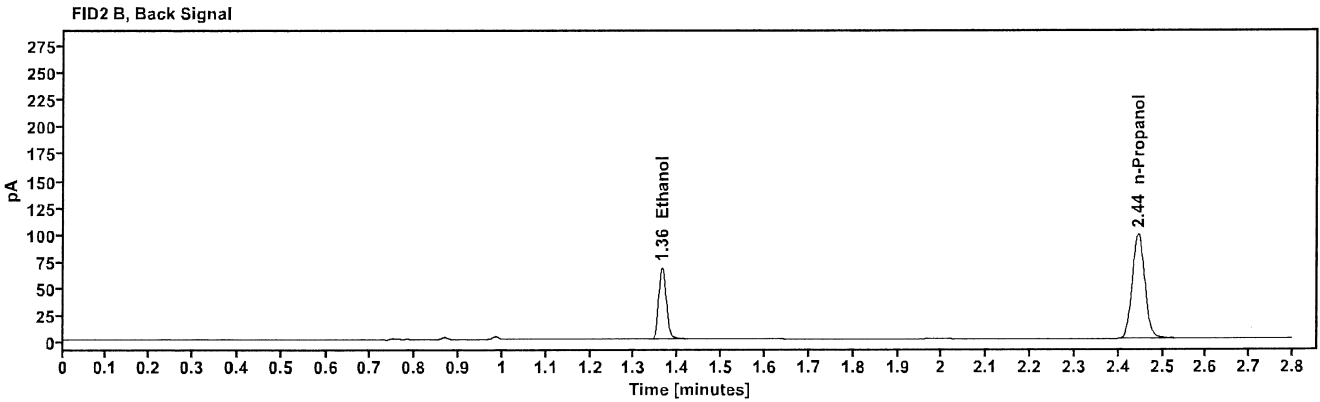
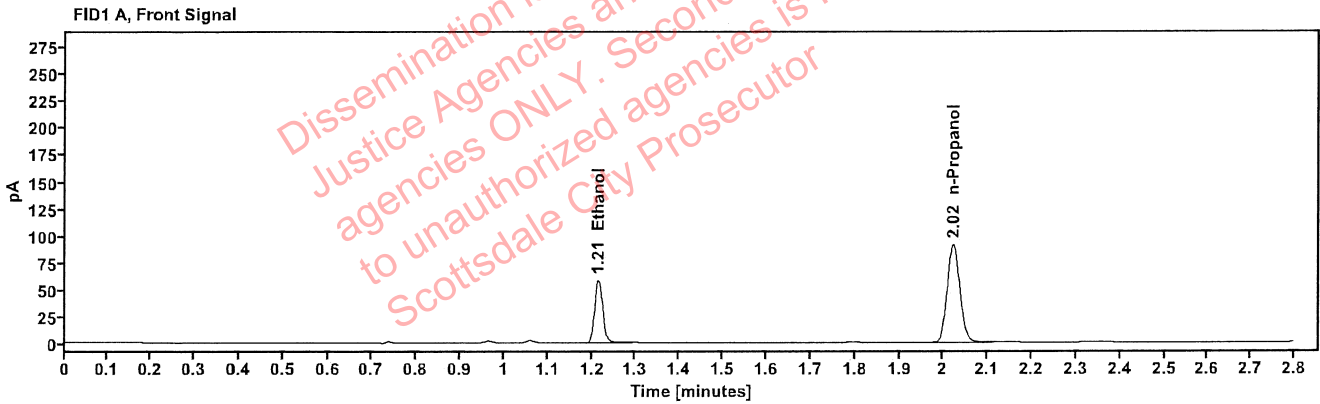


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1196	1.215	74.641
n-Propanol	-----	2.022	181.177

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

Compound	Time (min)	Peak Area
Ethanol	1.363	81.776
n-Propanol	2.445	196.658



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407367-1	Vial:	32
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:45:25 PM
Data file:	C:\Chem32\1\Data\15Apr24\32.D	Analyst:	Abbott

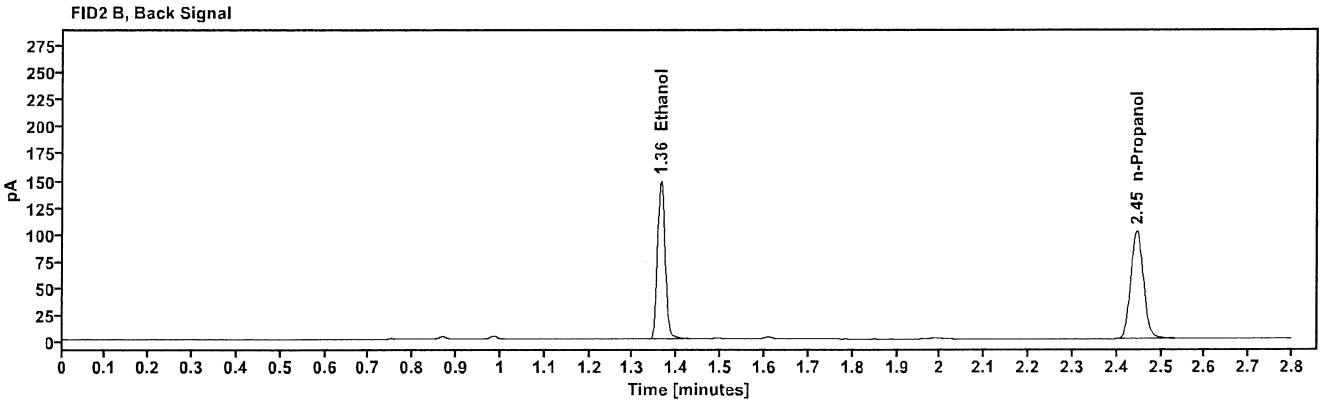
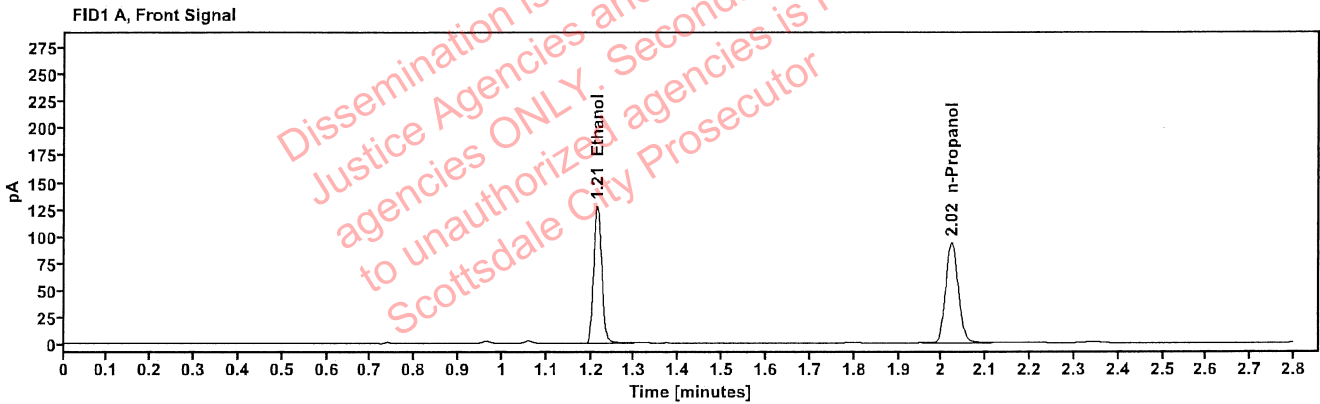


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2506	1.214	163.210
n-Propanol	-----	2.022	188.139

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

Compound	Time (min)	Peak Area
Ethanol	1.363	180.366
n-Propanol	2.445	202.209

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407367-1	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:49:24 PM
Data file:	C:\Chem32\1\Data\15Apr24\33.D	Analyst:	Abbott

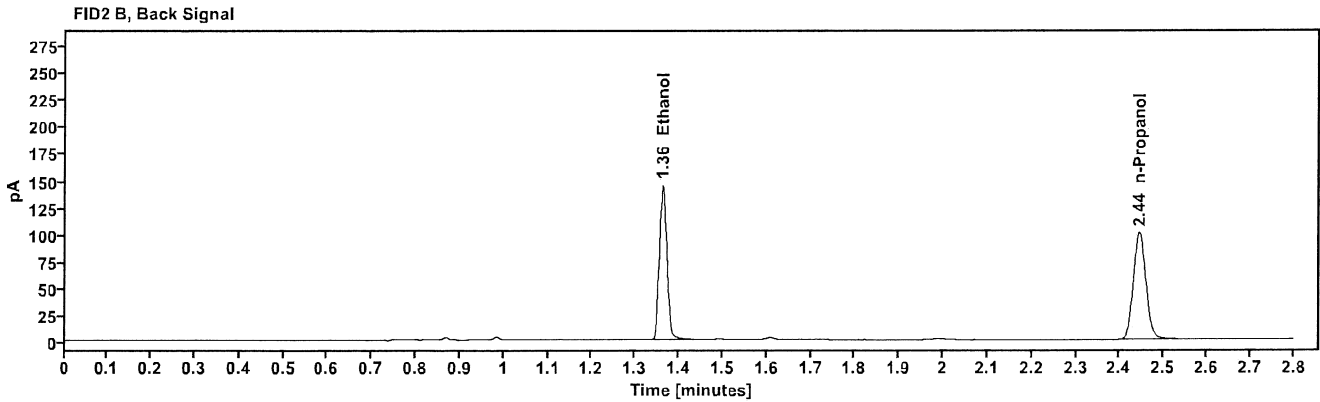
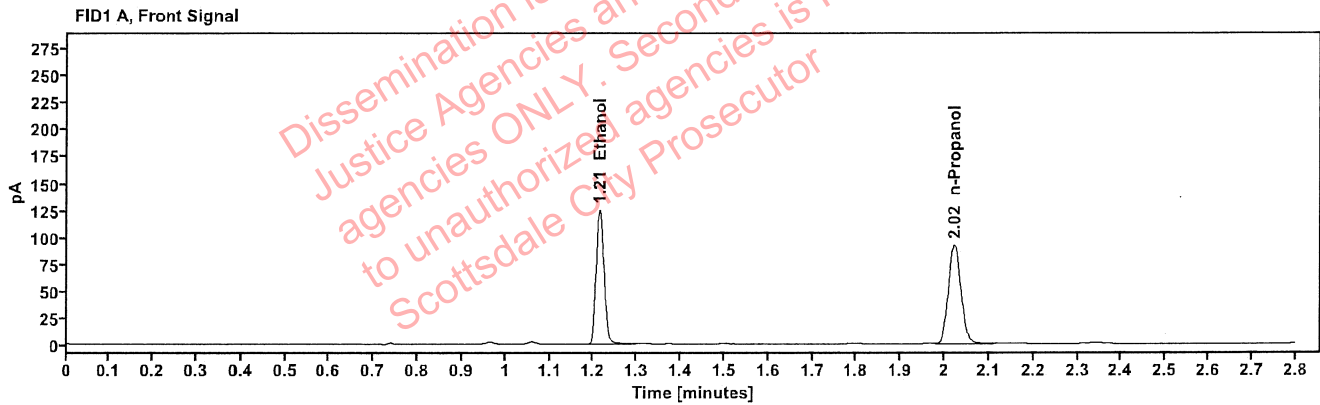


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2490	1.213	159.066
n-Propanol	-----	2.022	184.535

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

Compound	Time (min)	Peak Area
Ethanol	1.362	174.896
n-Propanol	2.445	199.381

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407539-2	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:53:24 PM
Data file:	C:\Chem32\1\Data\15Apr24\34.D	Analyst:	Abbott

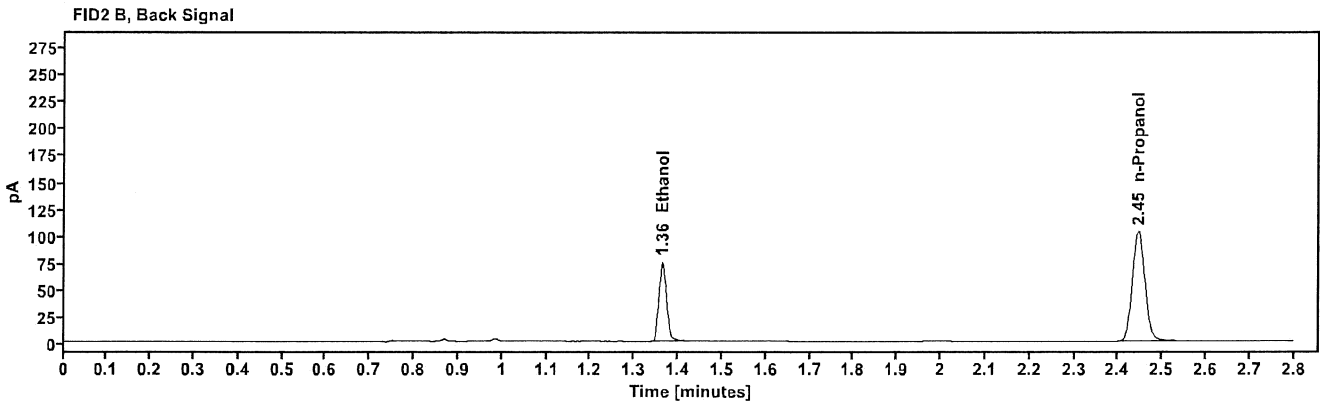
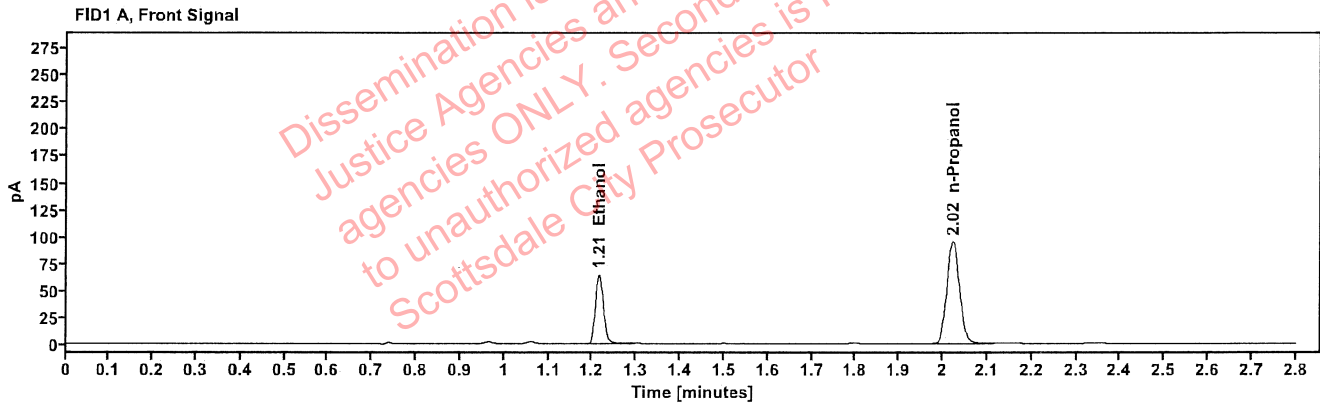


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1264	1.215	82.345
n-Propanol	-----	2.022	189.080

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

Compound	Time (min)	Peak Area
Ethanol	1.363	90.324
n-Propanol	2.445	205.359

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407539-2	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 2:57:23 PM
Data file:	C:\Chem32\1\Data\15Apr24\35.D	Analyst:	Abbott

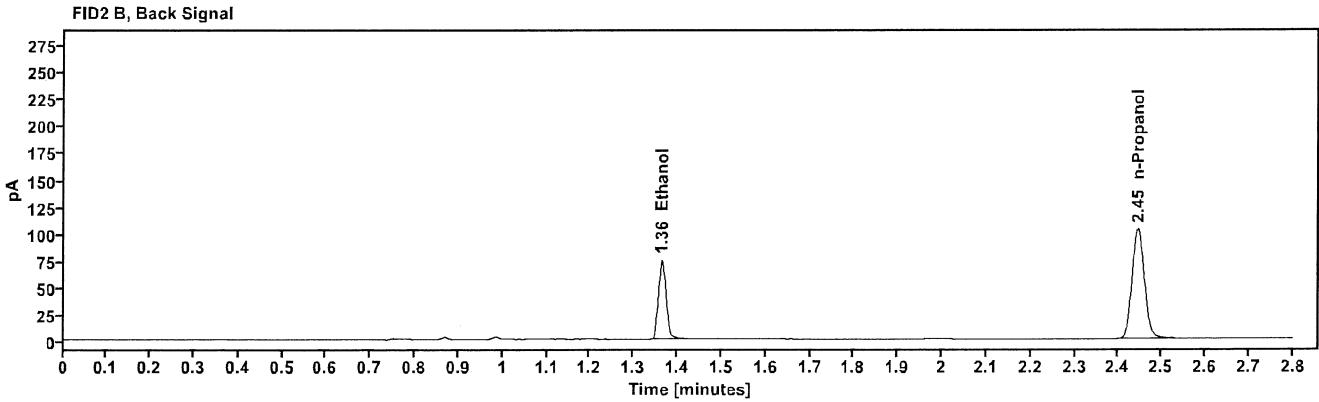
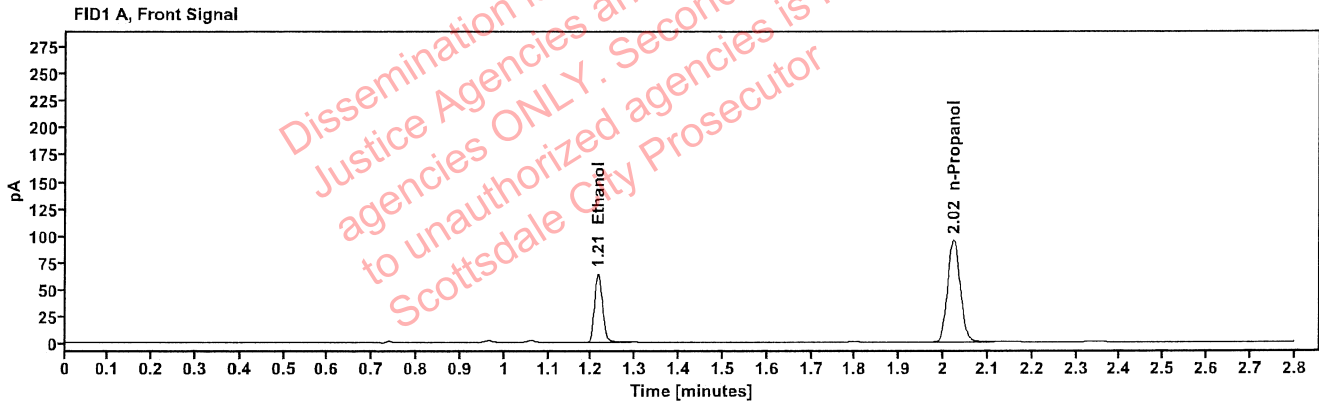


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1264	1.215	82.344
n-Propanol	-----	2.022	189.133

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

Compound	Time (min)	Peak Area
Ethanol	1.364	90.388
n-Propanol	2.445	205.458

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407543-2	Vial:	36
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 3:01:25 PM
Data file:	C:\Chem32\1\Data\15Apr24\36.D	Analyst:	Abbott

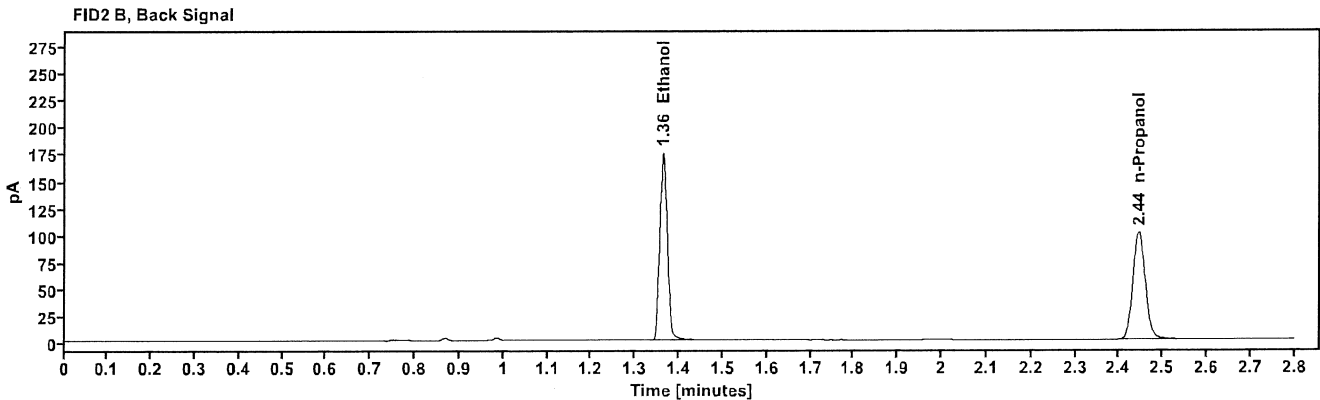
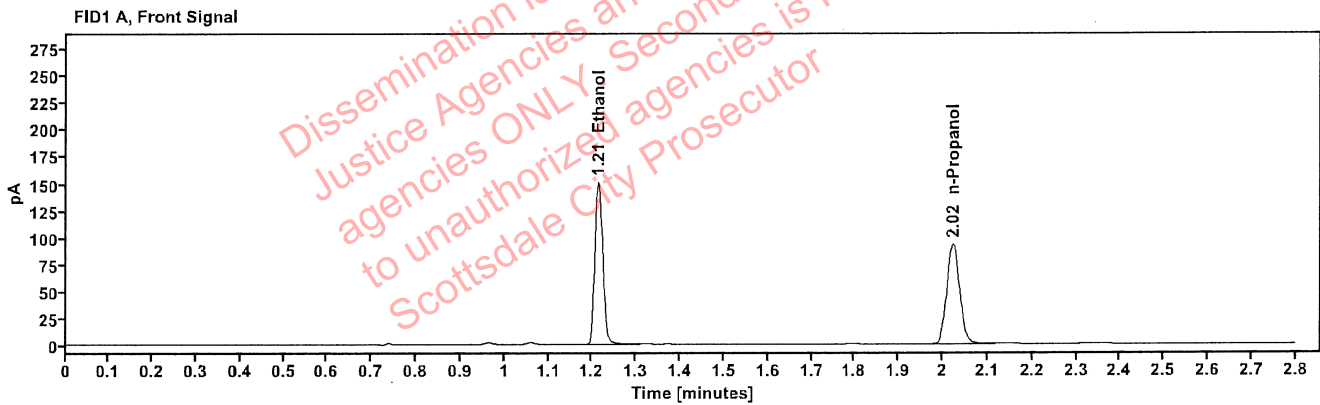


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3005	1.214	192.757
n-Propanol	-----	2.022	185.112

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

Compound	Time (min)	Peak Area
Ethanol	1.363	212.819
n-Propanol	2.445	200.499

: Abbott, Lori - (15-Apr-2024)

Case: ser: LAbbott 4/15/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407543-2	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 3:05:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\37.D	Analyst:	Abbott

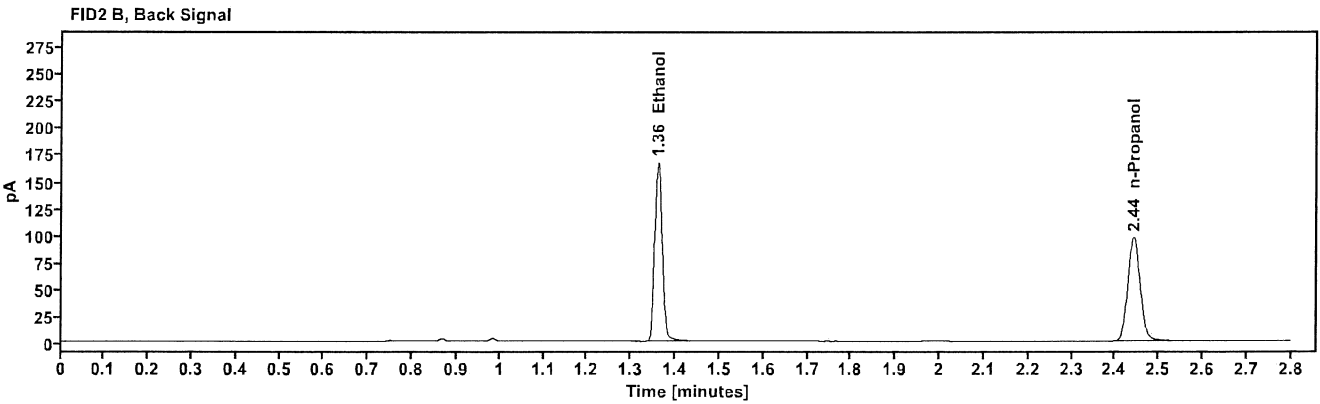
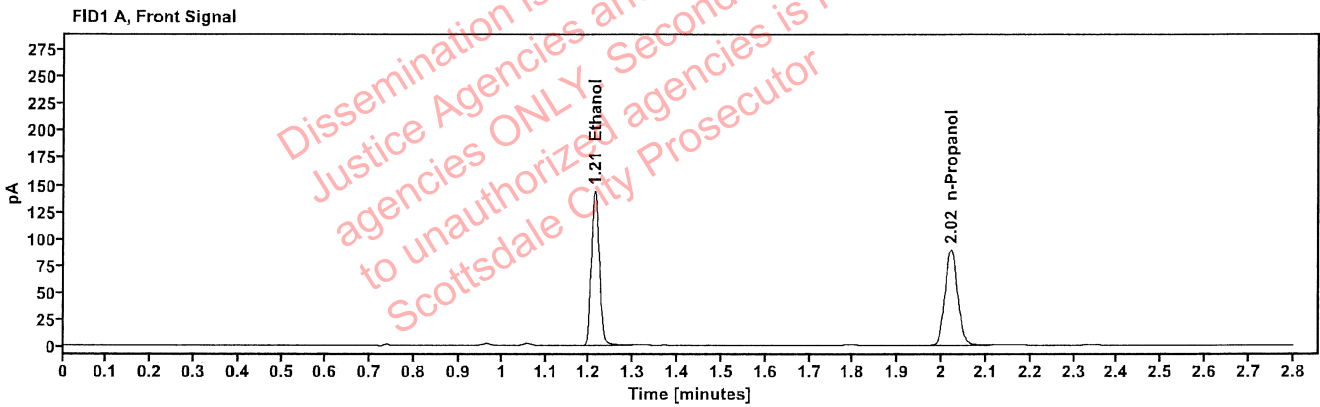


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2959	1.212	181.970
n-Propanol	-----	2.020	177.489

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

Compound	Time (min)	Peak Area
Ethanol	1.360	201.064
n-Propanol	2.442	192.405

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407548-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 3:09:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\38.D	Analyst:	Abbott

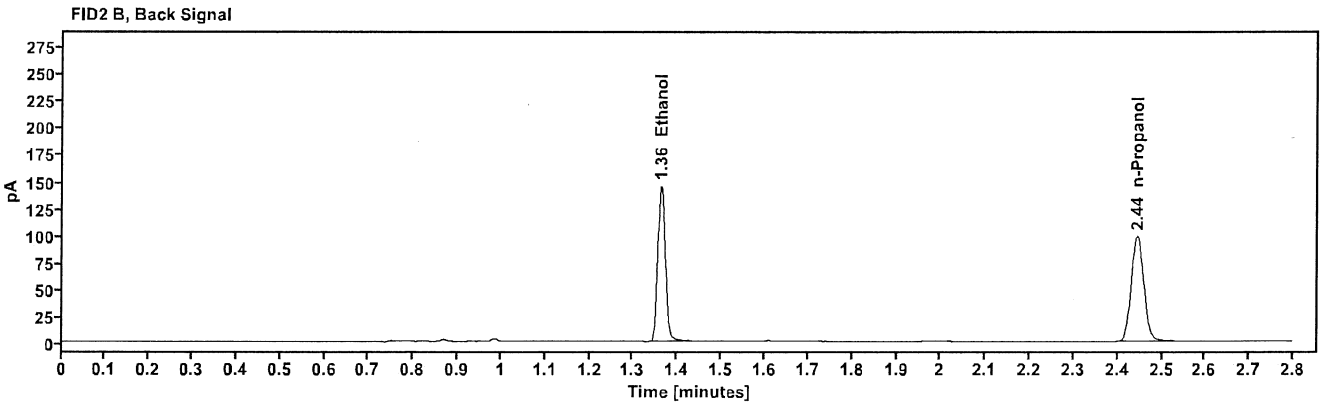
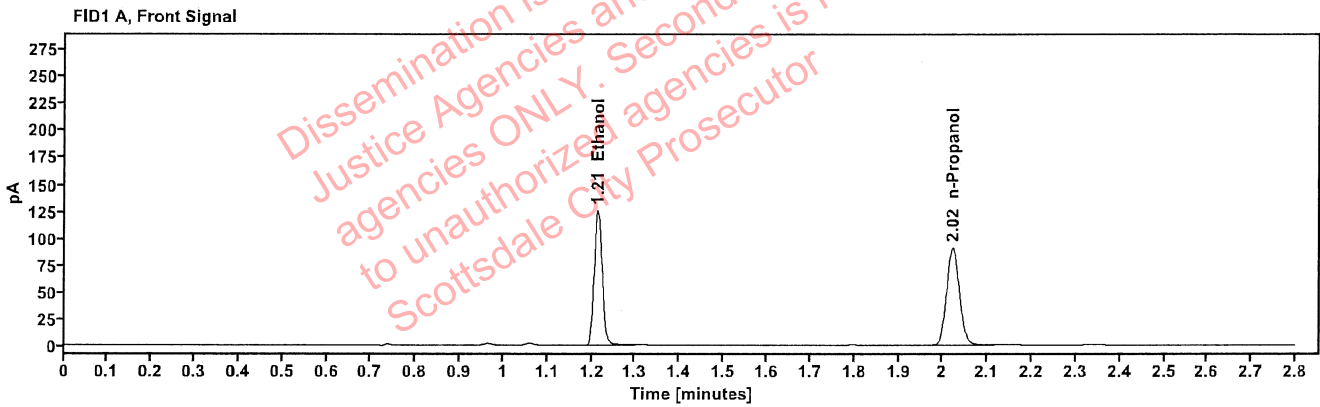


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2550	1.214	159.545
n-Propanol	-----	2.022	180.684

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

Compound	Time (min)	Peak Area
Ethanol	1.362	176.476
n-Propanol	2.444	195.660

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2407548-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Apr24
Instrument:	US14173023 CN14160045	Injection date:	4/15/2024 3:13:39 PM
Data file:	C:\Chem32\1\Data\15Apr24\39.D	Analyst:	Abbott

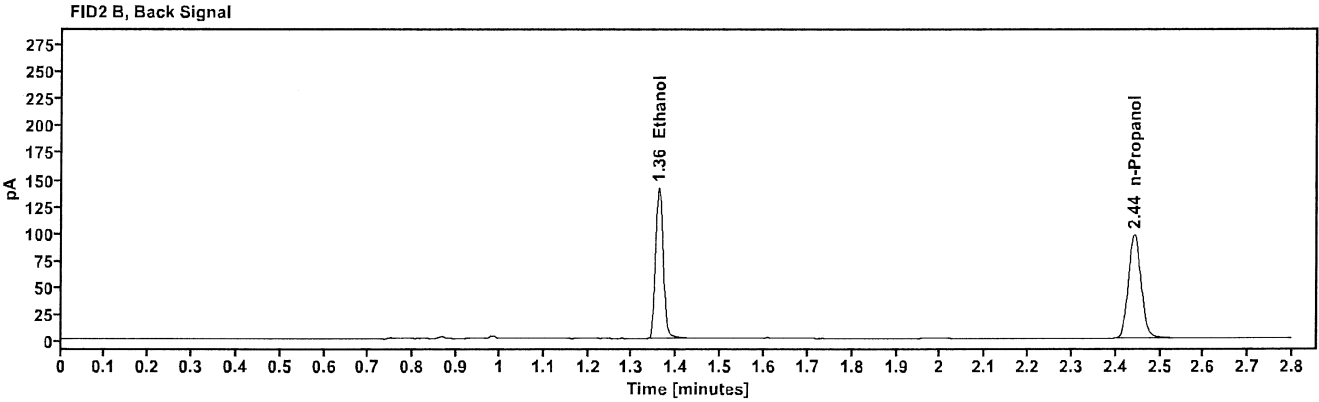
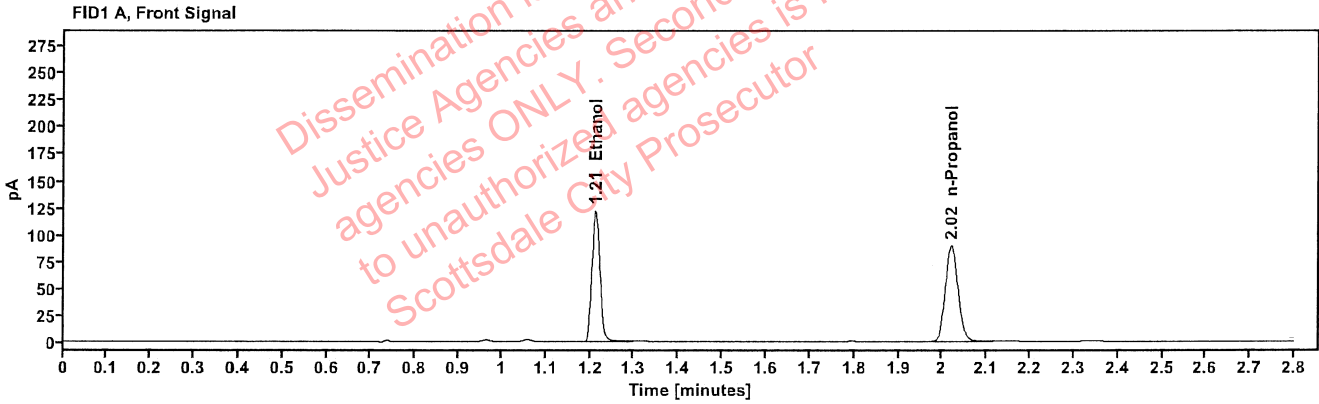


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2511	1.212	154.612
n-Propanol	-----	2.020	177.827

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

Compound	Time (min)	Peak Area
Ethanol	1.360	169.791
n-Propanol	2.442	192.798