

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 09/17/2024 SEQUENCE NAME 17Sep24

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600EA20851  
 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 0.99998  
 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 050624WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 12052023-B
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 518018
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/11
20	Aqueous control	0.100 g/dL	0.100 g/dL	Lipomed 25052023-A
31	Aqueous control	0.100 g/dL	0.100 g/dL	Lipomed 25052023-A
42	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 12052023-B
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 518018
44	Blood control	0.199 g/dL	0.205 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD lab 090524AQ

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0


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

Run valid   
 Run invalid   
  
 Analyst

Run valid   
 Run invalid   
  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

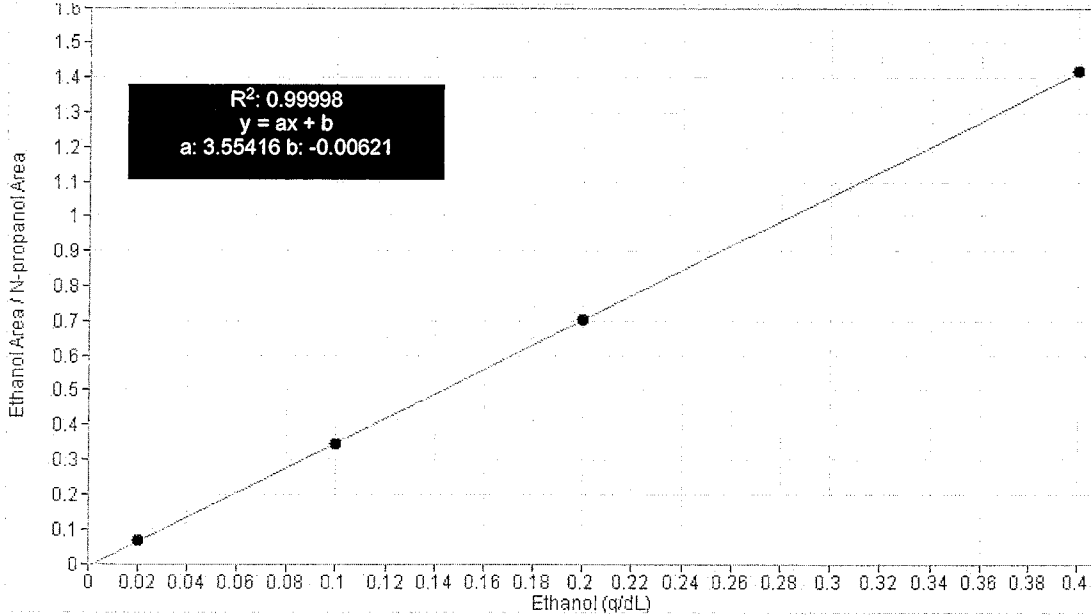
SEQUENCE NAME: 17Sep24

ANALYST: Abbott 

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 050624VVB	5	negative	negative	-	-
0.400 12052023-B	7	0.401	0.400	0.25	0.001
0.040 518018	8	0.041	0.040	2.50	0.001
0.199 4110320133/11	9	0.203	0.199	2.01	0.004
0.100 25052023-A	20	0.100	0.100	0.00	0.000
0.100 25052023-A	31	0.100	0.100	0.00	0.000
0.400 12052023-B	42	0.399	0.400	0.25	-0.001
0.040 518018	43	0.040	0.040	0.00	0.000
0.199 4110320133/11	44	0.205	0.199	3.02	0.006
blank 090524AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.489	168.896	0.068
0.100	59.213	170.823	0.347
0.200	119.371	169.928	0.703
0.400	239.742	169.189	1.417

### 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> 17Sep24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/17/2024 3:00:04 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\17Sep24\1.D	

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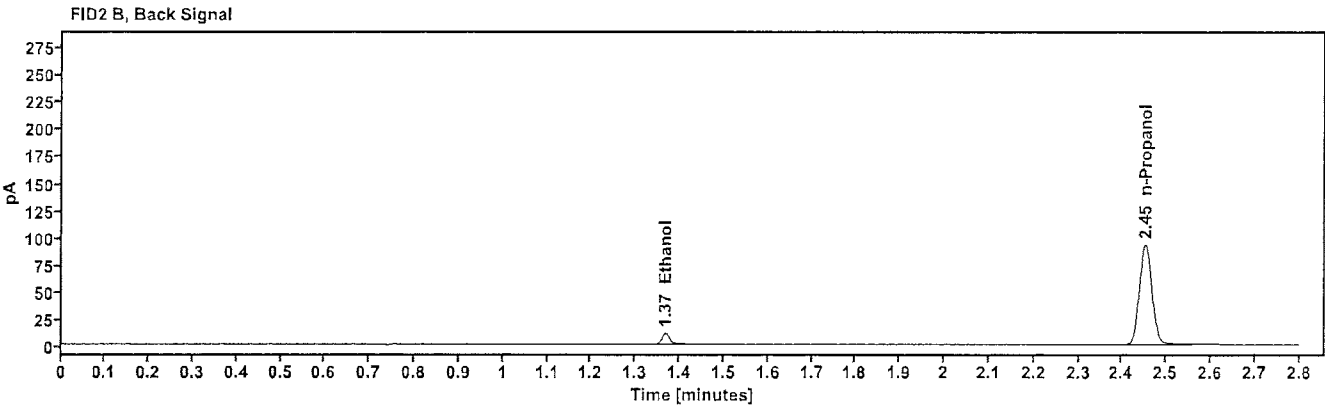
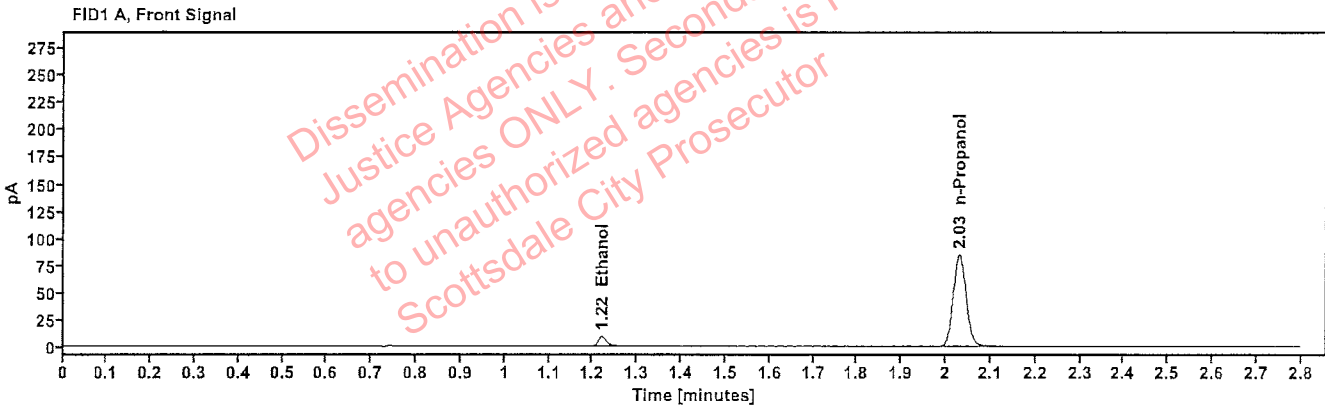


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.220	11.489
n-Propanol	2.030	168.896

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

Compound	Time (min)	Peak Area
Ethanol	1.367	12.536
n-Propanol	2.453	183.891

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03072301	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 17Sep24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/17/2024 3:04:04 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>JA</i>
<b>Data file:</b> C:\Chem32\1\Data\17Sep24\2.D	

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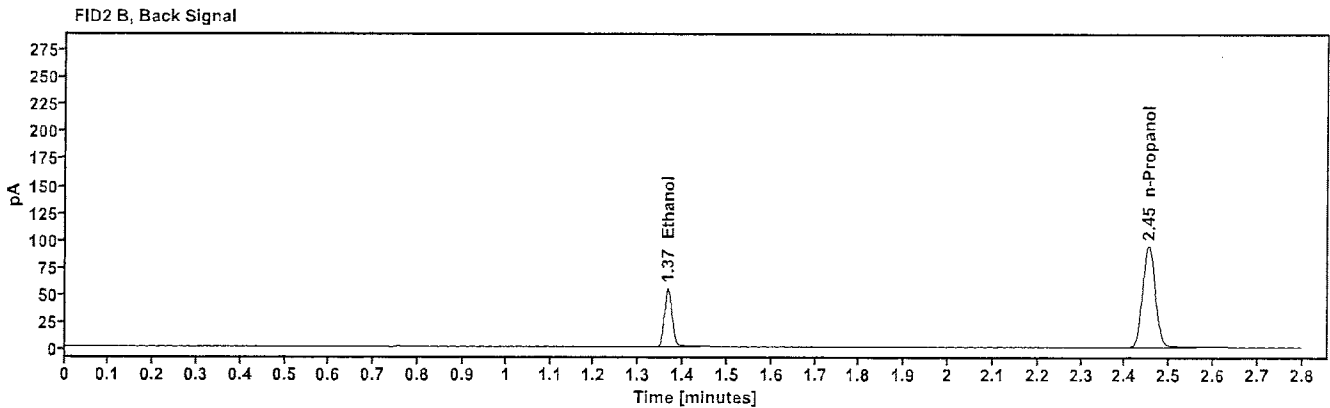
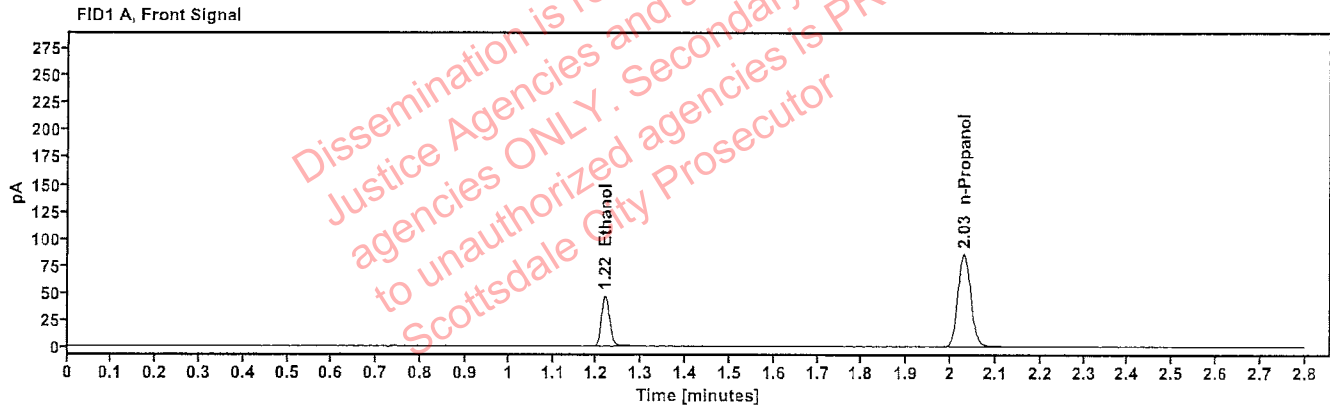


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.218	59.213
n-Propanol	2.029	170.823

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

Compound	Time (min)	Peak Area
Ethanol	1.366	65.077
n-Propanol	2.453	185.779

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03132302	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 17Sep24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/17/2024 3:08:04 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\17Sep24\3.D	<i>JA</i>

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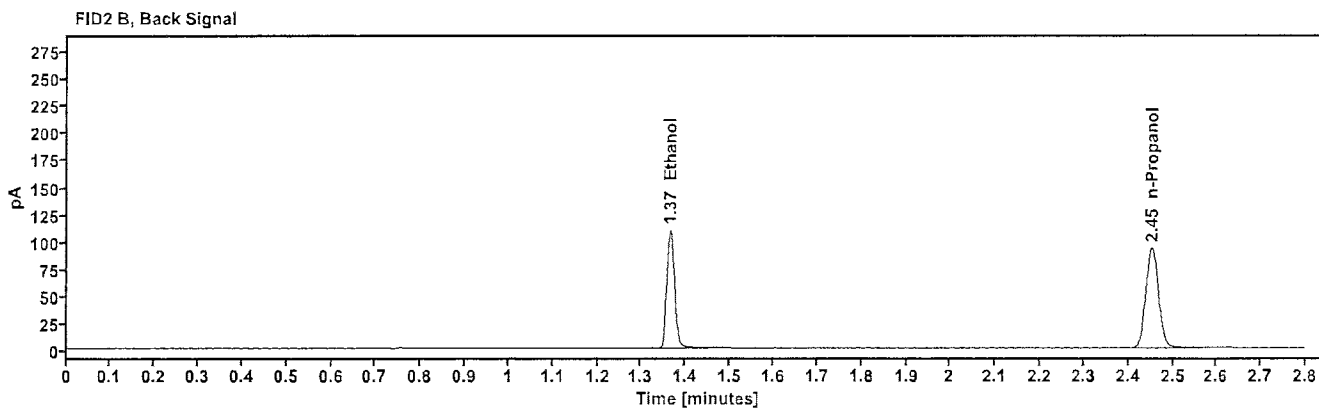
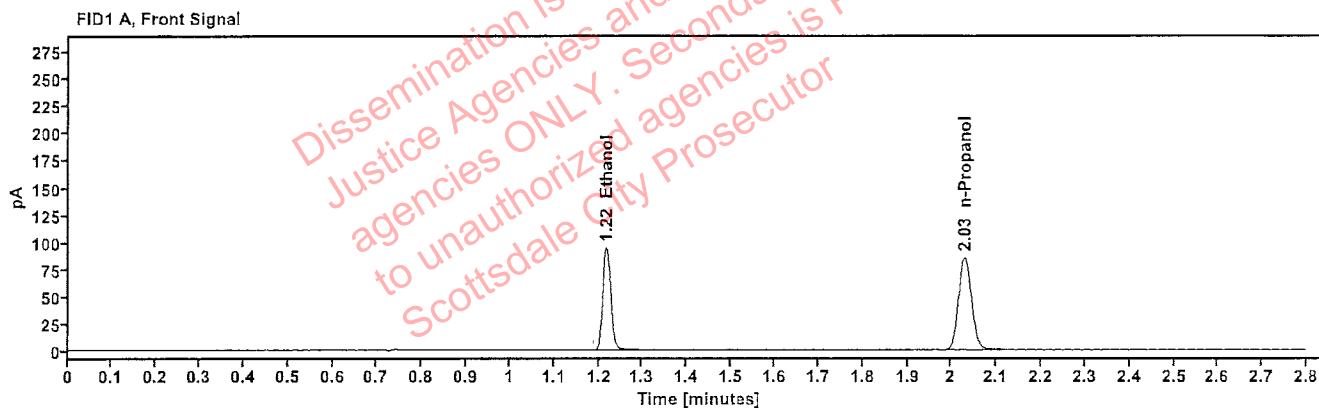


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.217	119.371
n-Propanol	2.029	169.928

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

Compound	Time (min)	Peak Area
Ethanol	1.365	131.203
n-Propanol	2.453	184.707

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 callibrator	Sequence: 17Sep24
Method: ethanol quant.M	Injection date: 9/17/2024 3:12:04 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\17Sep24\4.D	<i>DLA</i>

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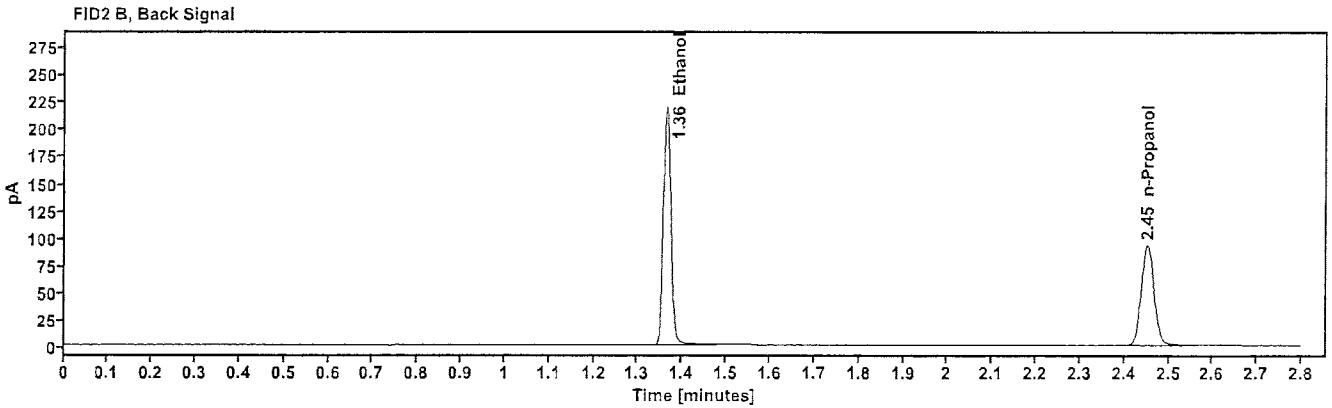
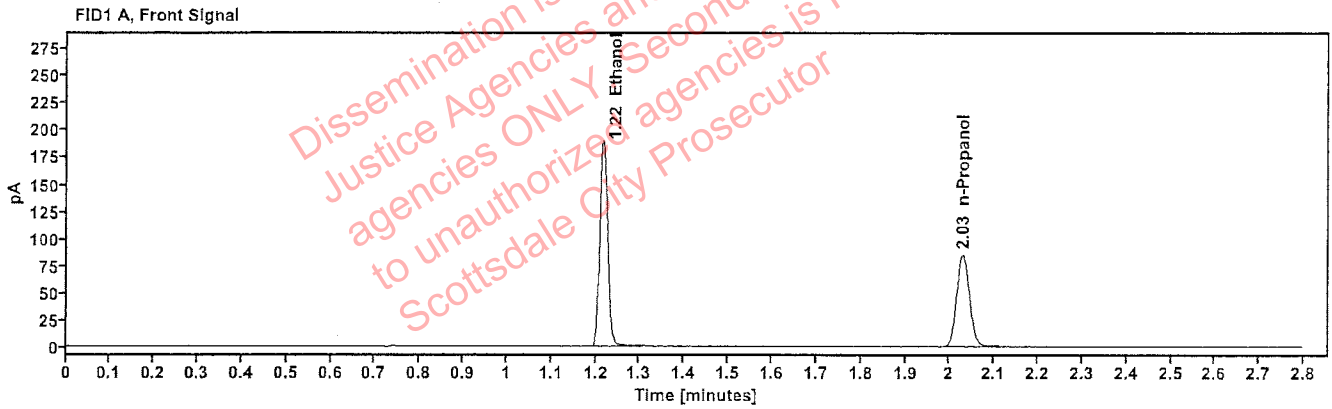


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.216	239.742
n-Propanol	2.029	169.189

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

Compound	Time (min)	Peak Area
Ethanol	1.365	264.459
n-Propanol	2.453	183.750

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050624WB	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:16:04 PM
Data file:	C:\Chem32\1\Data\17Sep24\5.D	Analyst:	Abbott <span style="float: right;">DH</span>

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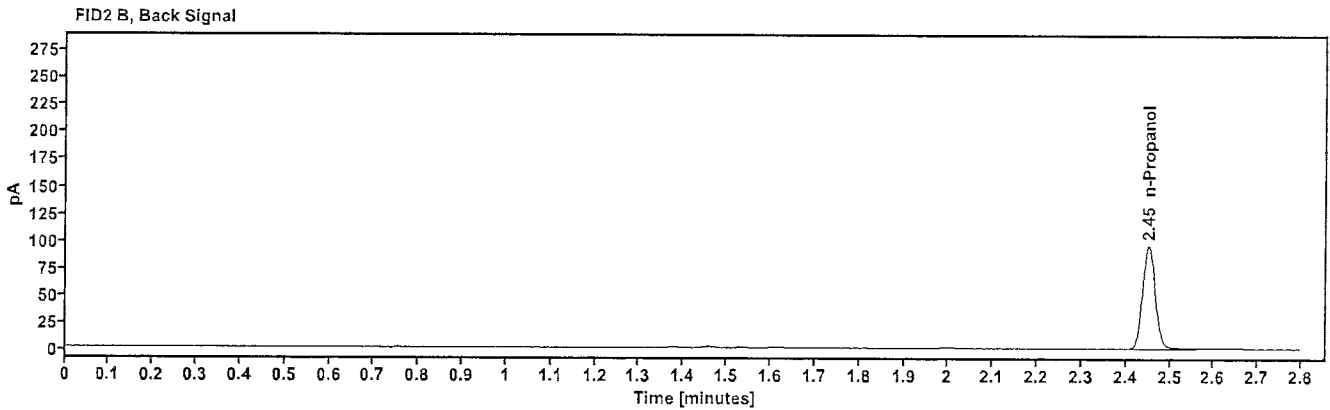
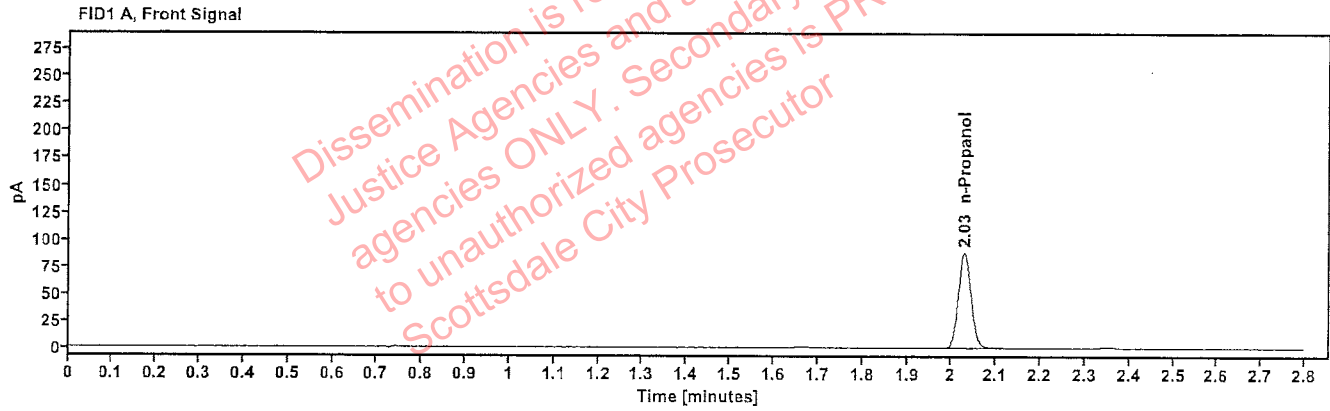


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.028	175.335

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

Compound	Time (min)	Peak Area
n-Propanol	2.452	190.470

# 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> 17Sep24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/17/2024 3:20:03 PM
<b>Data file:</b> C:\Chem32\1\Data\17Sep24\6.D	<b>Analyst:</b> Abbott

*Abbott*

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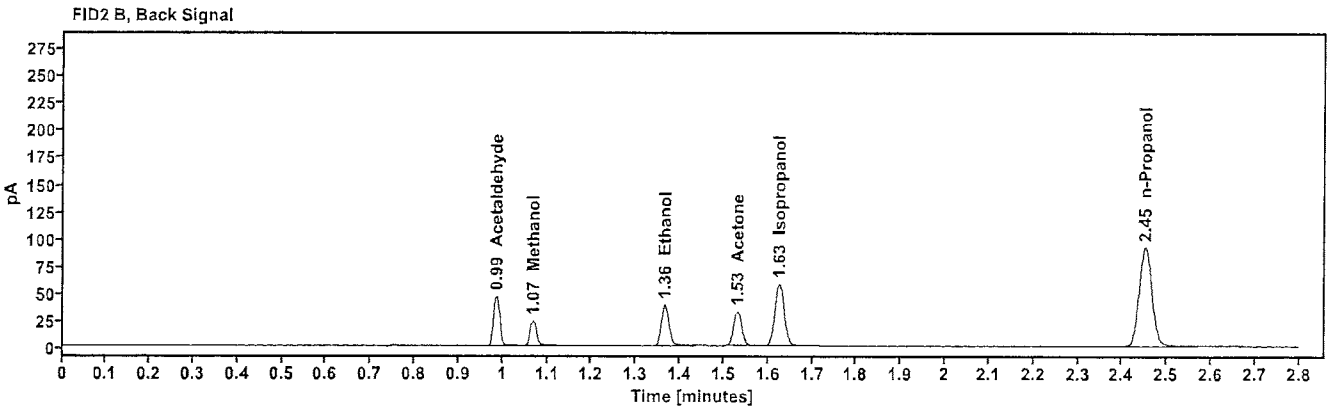
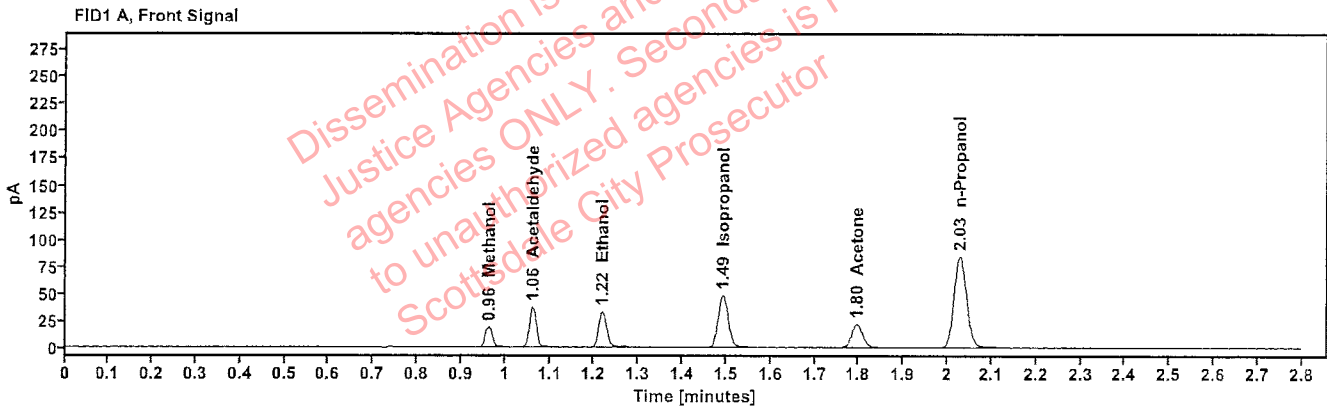


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.962	21.440
Acetaldehyde	-----	1.061	40.949
>Ethanol	0.0720	1.217	41.975
Isopropanol	-----	1.492	77.036
Acetone	-----	1.795	37.570
n-Propanol	-----	2.028	168.180

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	45.952
Methanol	1.068	23.836
Ethanol	1.365	46.037
Acetone	1.531	41.480
Isopropanol	1.625	85.031
n-Propanol	2.451	182.569



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	12052023-B	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:24:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\7.D	Analyst:	Abbott

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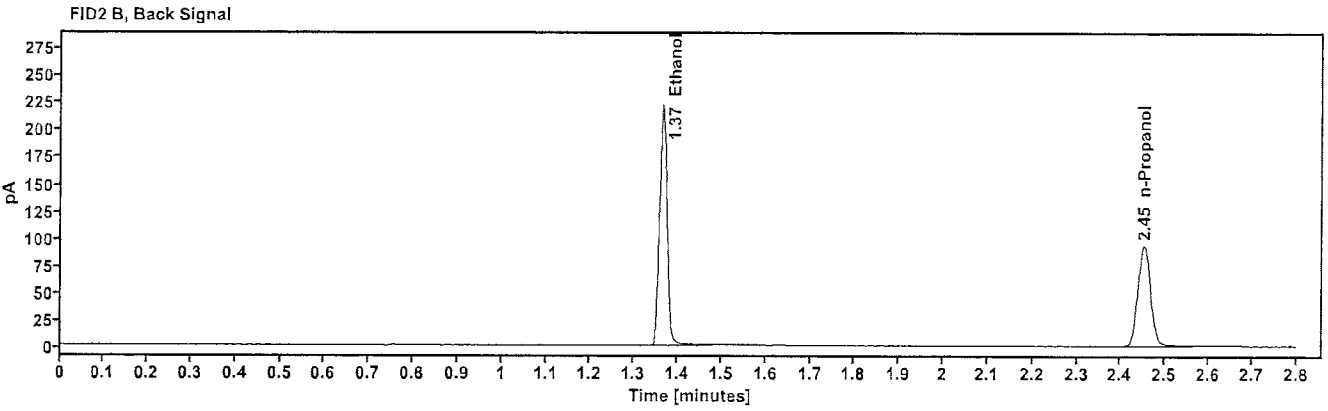
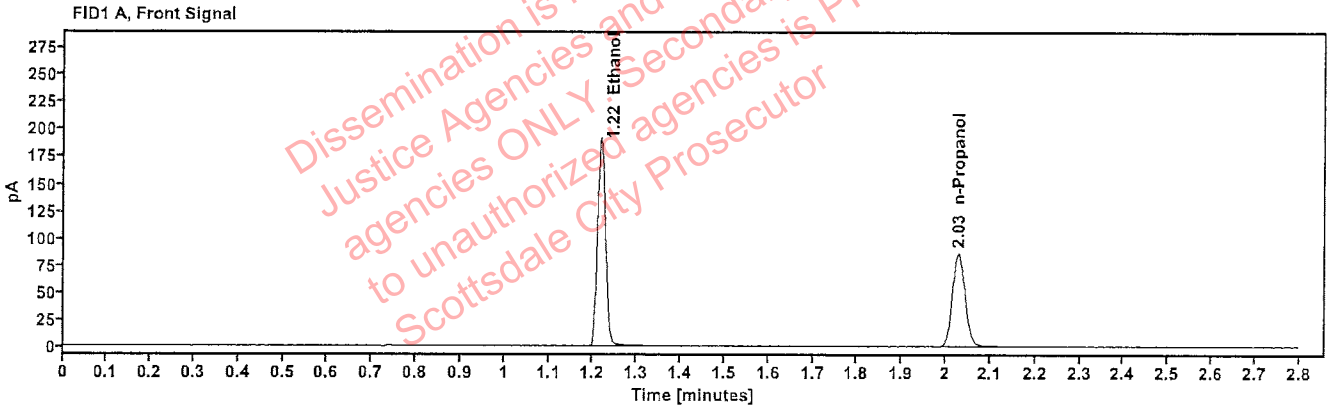


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4017	1.216	243.014
n-Propanol	-----	2.029	170.973

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

Compound	Time (min)	Peak Area
Ethanol	1.365	267.807
n-Propanol	2.452	185.116

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	518018	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:28:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\8.D	Analyst:	Abbott

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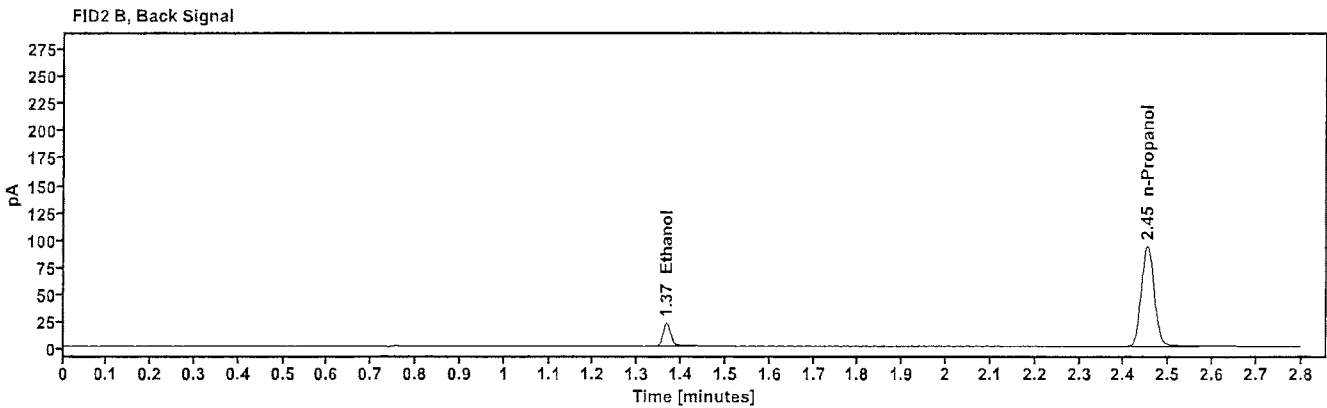
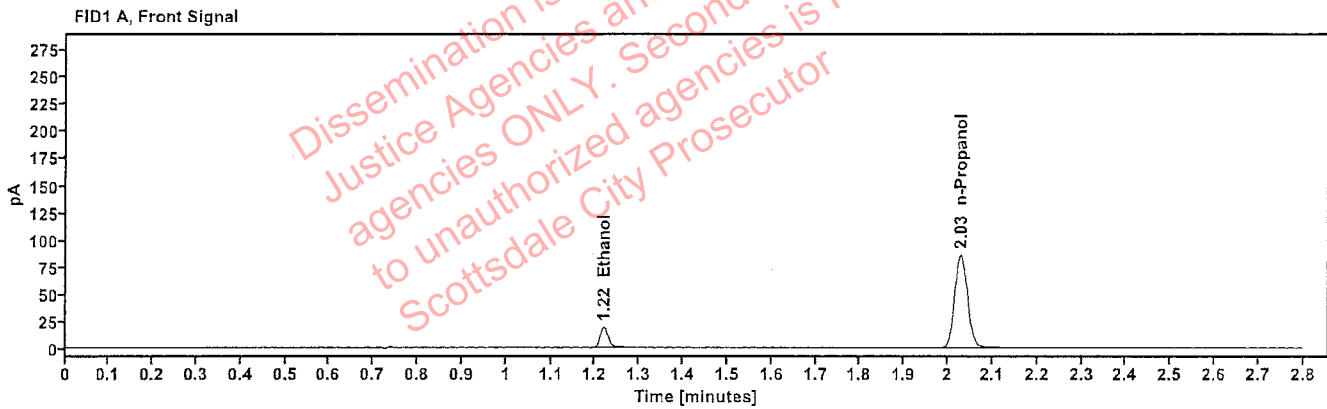


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.219	23.975
n-Propanol	-----	2.029	171.282

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

Compound	Time (min)	Peak Area
Ethanol	1.366	26.131
n-Propanol	2.452	185.927

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/11	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:32:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\9.D	Analyst:	Abbott

*Abbott*

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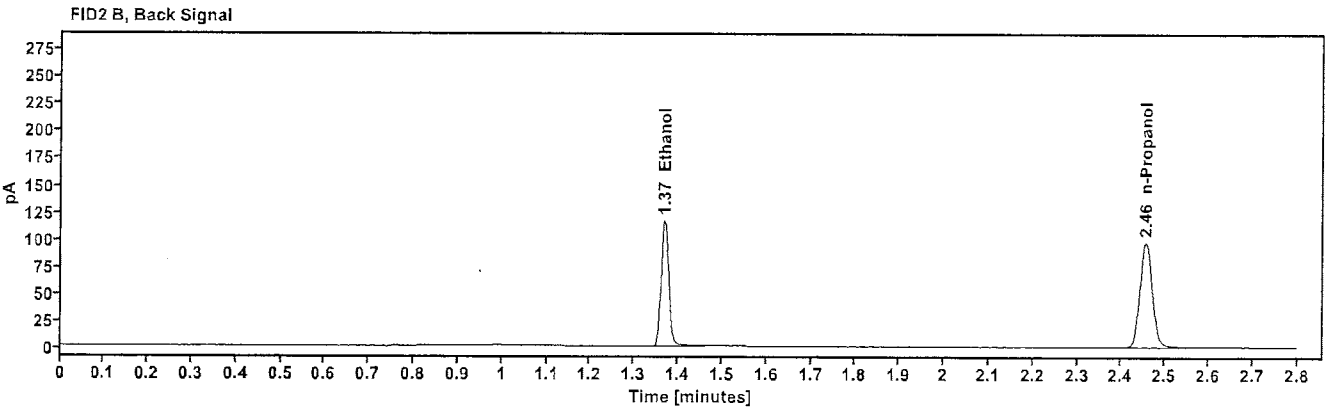
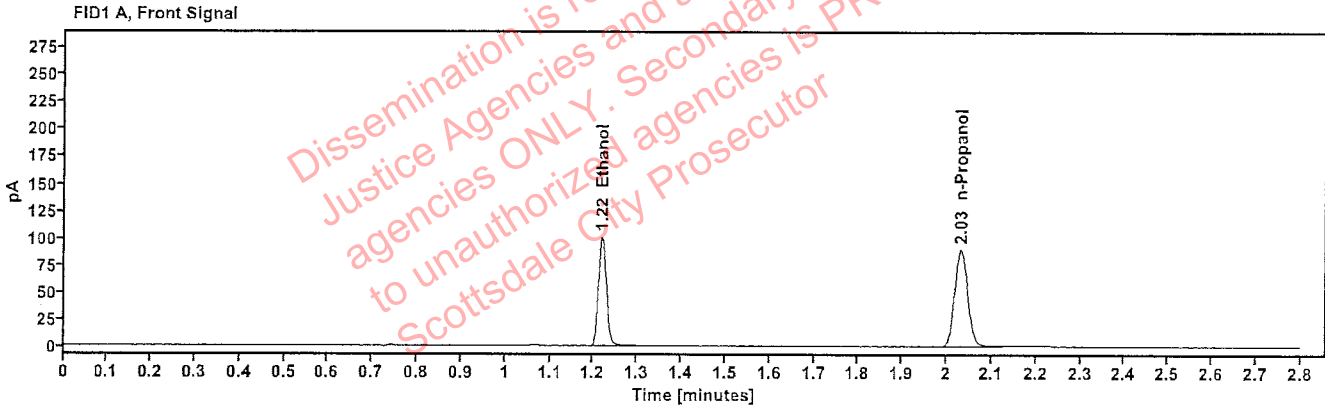


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2033	1.219	127.777
n-Propanol	-----	2.031	178.361

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

Compound	Time (min)	Peak Area
Ethanol	1.368	140.320
n-Propanol	2.456	193.637

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 25052023-A	Vial: 20
Description: 0.100	LIMS ID:
Method: ethanol quant.M	Sequence: 17Sep24
Instrument: US14173023 CN14160045	Injection date: 9/17/2024 4:16:49 PM
Data file: C:\Chem32\1\Data\17Sep24\20.D	Analyst: Abbott

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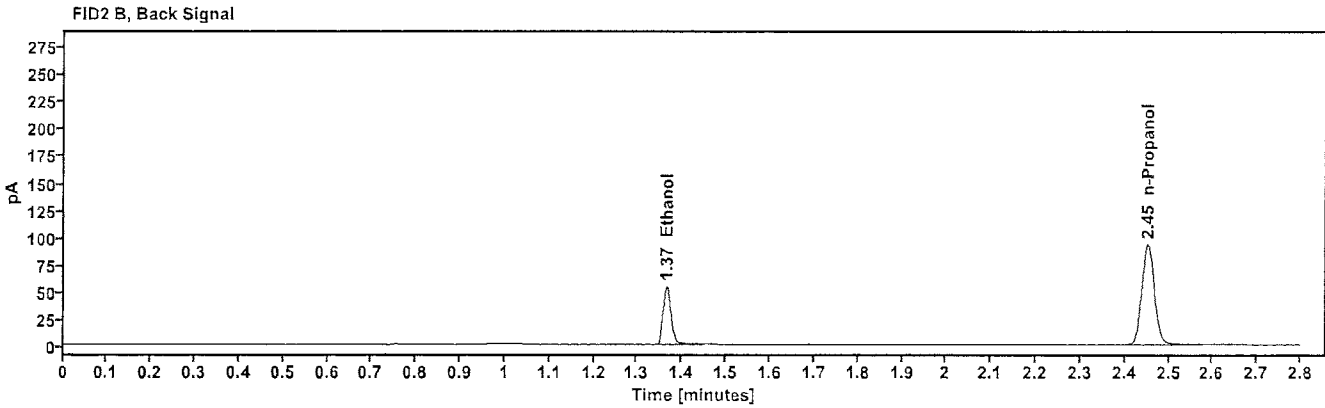
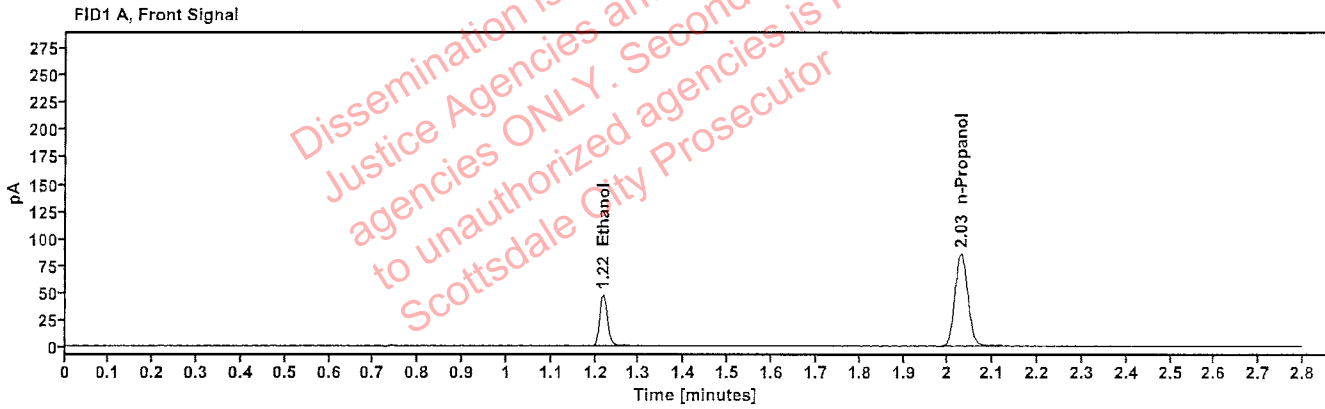


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1000	1.218	59.538
n-Propanol	-----	2.029	170.518

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

Compound	Time (min)	Peak Area
Ethanol	1.366	65.267
n-Propanol	2.452	185.029

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 25052023-A	Vial: 31
Description: 0.100	LIMS ID:
Method: ethanol quant.M	Sequence: 17Sep24
Instrument: US14173023 CN14160045	Injection date: 9/17/2024 5:01:19 PM
Data file: C:\Chem32\1\Data\17Sep24\31.D	Analyst: Abbott

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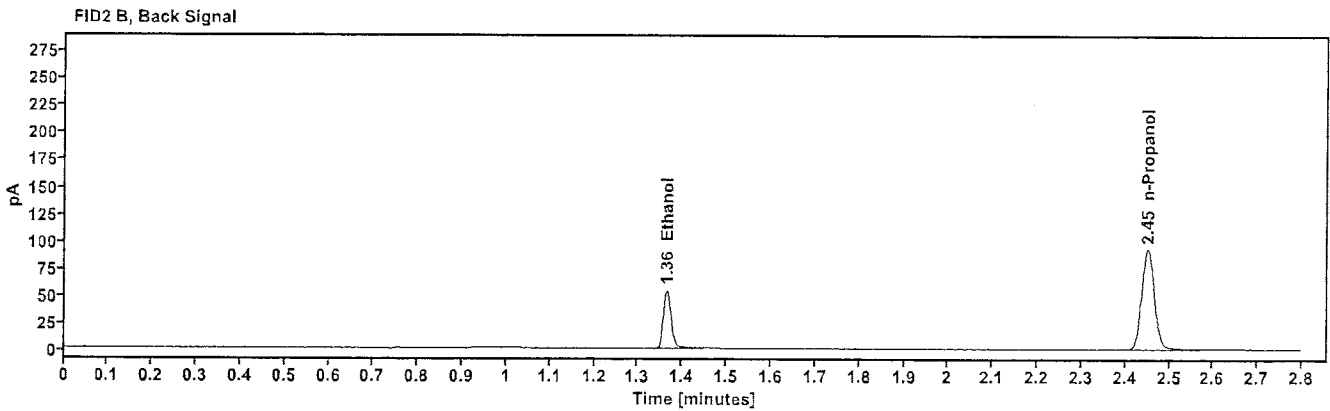
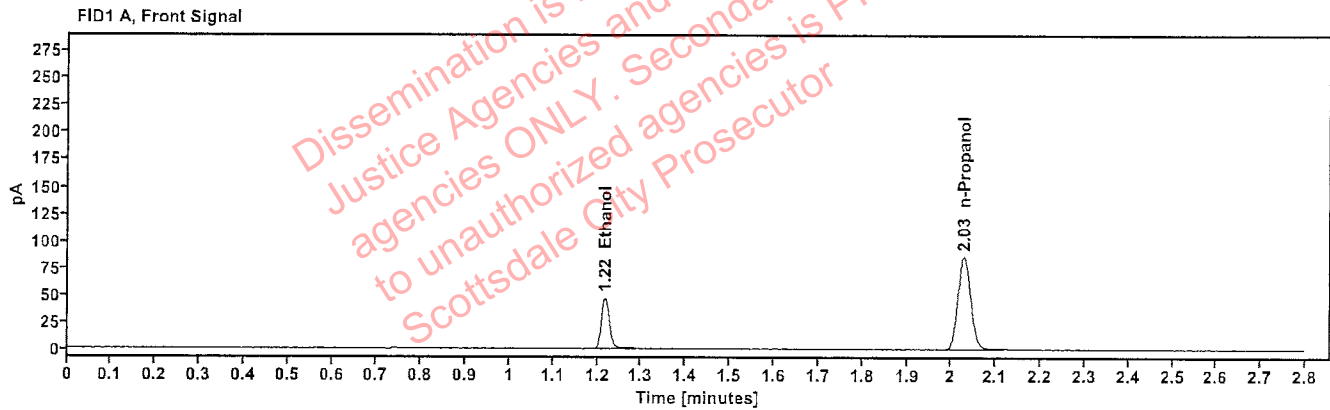


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1003	1.217	59.681
n-Propanol	-----	2.028	170.362

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

Compound	Time (min)	Peak Area
Ethanol	1.365	65.305
n-Propanol	2.451	184.760

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 12052023-B	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Sep24
Instrument: US14173023 CN14160045	Injection date: 9/17/2024 5:45:35 PM
Data file: C:\Chem32\1\Data\17Sep24\42.D	Analyst: Abbott

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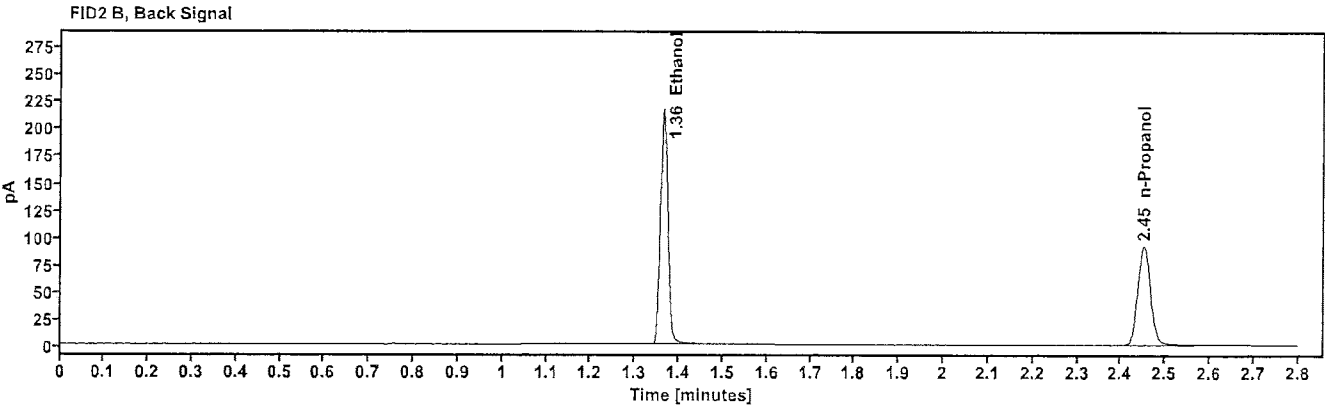
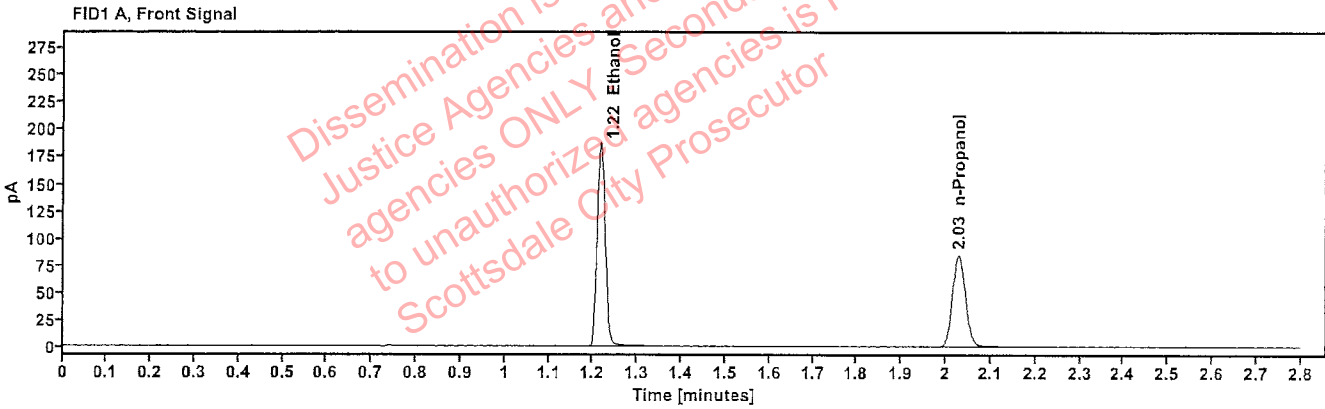


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3993	1.216	238.162
n-Propanol	-----	2.028	168.544

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

Compound	Time (min)	Peak Area
Ethanol	1.365	261.939
n-Propanol	2.452	182.453

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	518018	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:49:49 PM
Data file:	C:\Chem32\1\Data\17Sep24\43.D	Analyst:	Abbott <span style="float: right;">AM</span>

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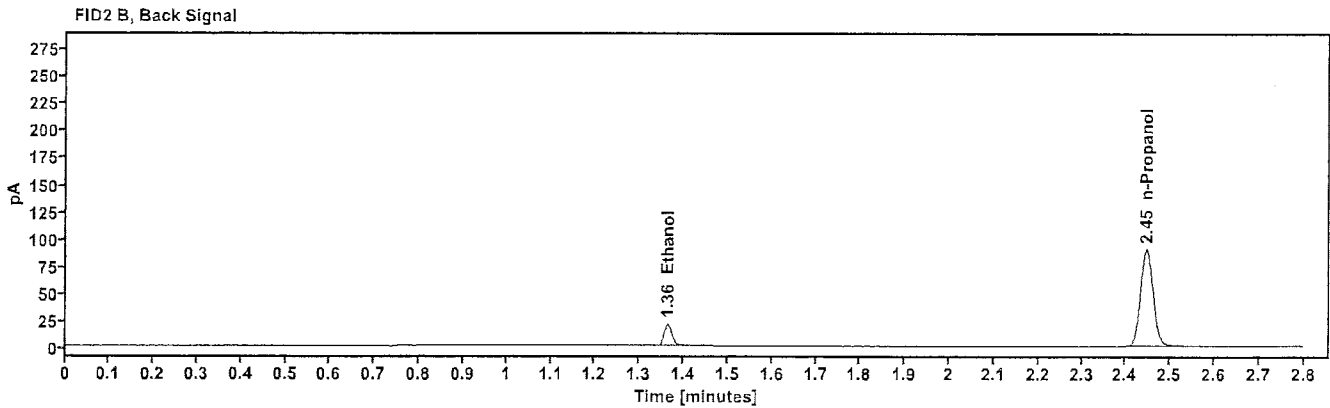
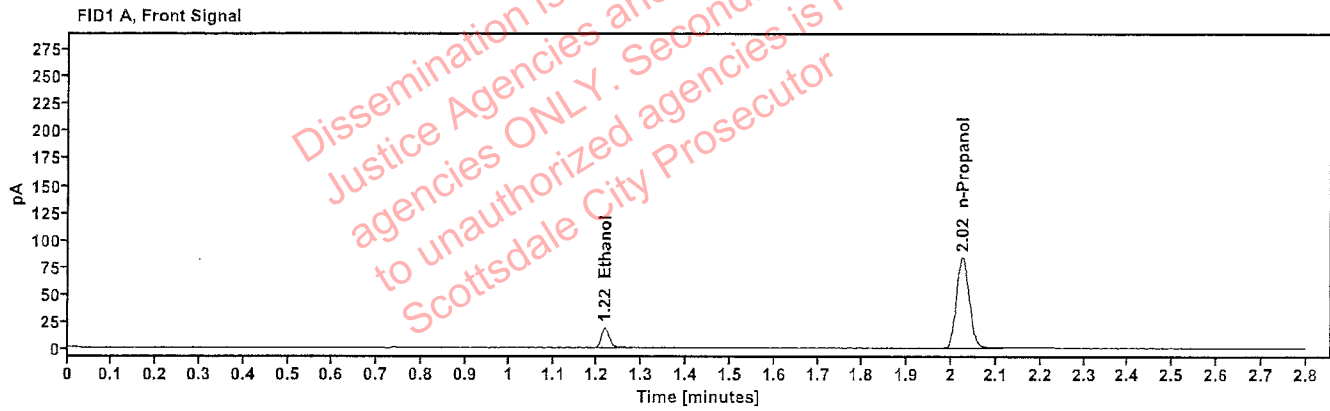


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.217	23.039
n-Propanol	-----	2.025	165.470

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

Compound	Time (min)	Peak Area
Ethanol	1.364	25.094
n-Propanol	2.446	179.447

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 17Sep24
Instrument: US14173023 CN14160045	Injection date: 9/17/2024 5:53:49 PM
Data file: C:\Chem32\1\Data\17Sep24\44.D	Analyst: Abbott

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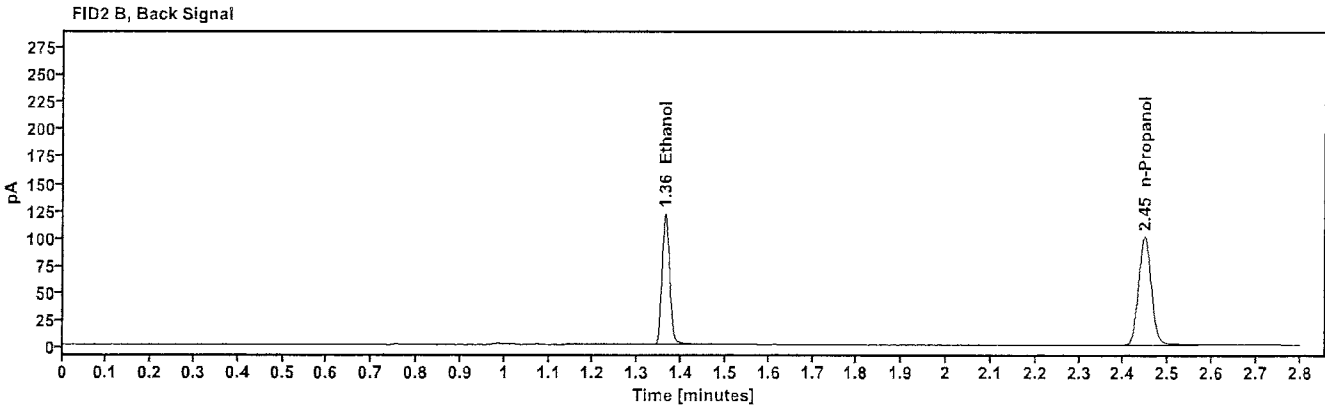
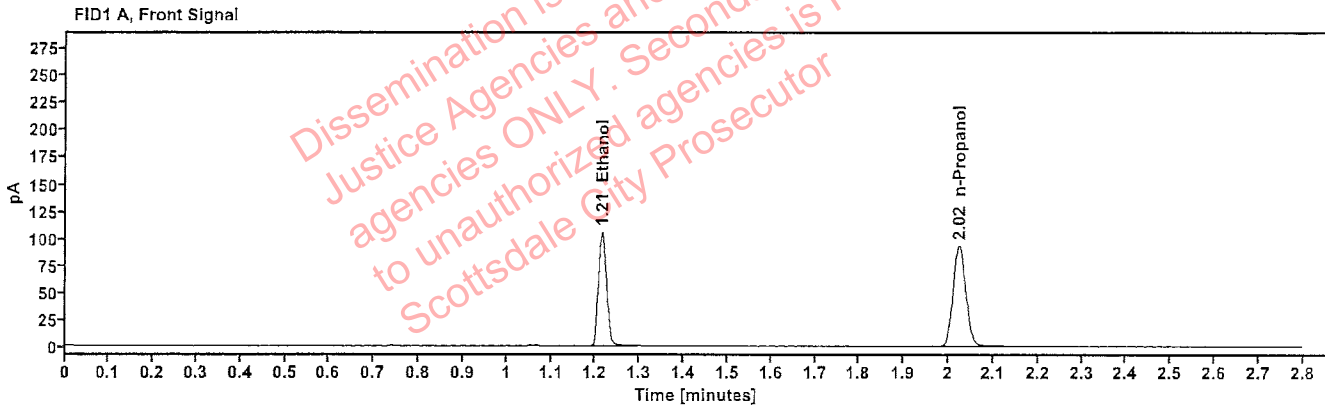


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2051	1.214	133.667
n-Propanol	---	2.023	184.979

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

Compound	Time (min)	Peak Area
Ethanol	1.363	146.717
n-Propanol	2.447	200.315



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 090524AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Sep24
Instrument: US14173023 CN14160045	Injection date: 9/17/2024 5:57:49 PM
Data file: C:\Chem32\1\Data\17Sep24\45.D	Analyst: Abbott

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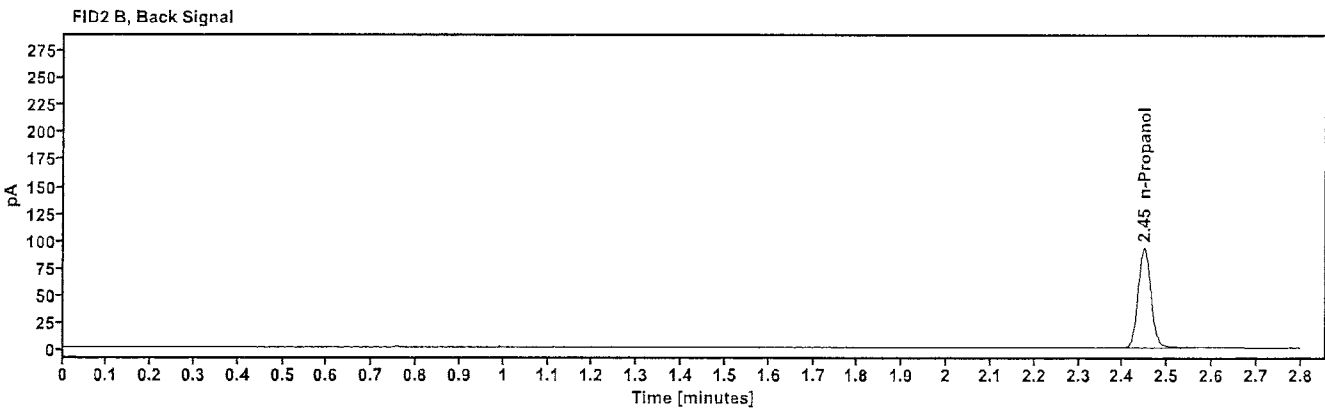
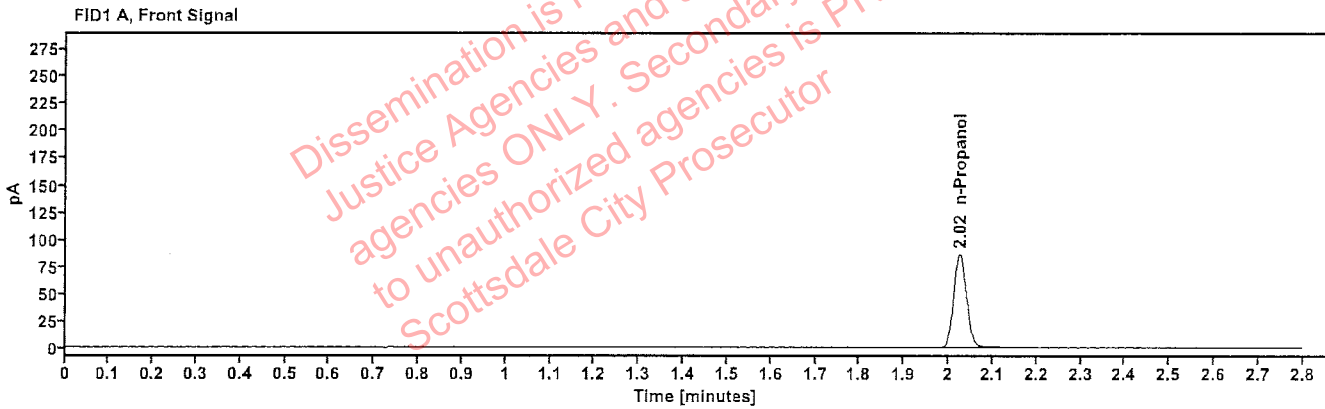


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.025	170.993

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

Compound	Time (min)	Peak Area
n-Propanol	2.448	185.217

# Sequence Summary

Sequence name: 17Sep24      Instrument: US14173023 CN14160045      Analyst: Abbott

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	050624WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	12052023-B	0.400	Control		ethanol quant.M
8	518018	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	2418003-1		Sample		ethanol quant.M
11	2418003-1		Sample		ethanol quant.M
12	2418011-2		Sample		ethanol quant.M
13	2418011-2		Sample		ethanol quant.M
14	404-01R.H.		Sample		ethanol quant.M
15	404-01R.H.		Sample		ethanol quant.M
16	409-01D.B.		Sample		ethanol quant.M
17	409-01D.B.		Sample		ethanol quant.M
18	334-01D.S.		Sample		ethanol quant.M
19	334-01D.S.		Sample		ethanol quant.M
20	25052023-A	0.100	Control		ethanol quant.M
21	404-01S.S.		Sample		ethanol quant.M
22	404-01S.S.		Sample		ethanol quant.M
23	353-01A.H.		Sample		ethanol quant.M
24	353-01A.H.		Sample		ethanol quant.M
25	409-01D.C.		Sample		ethanol quant.M
26	409-01D.C.		Sample		ethanol quant.M
27	409-01J.B.		Sample		ethanol quant.M
28	409-01J.B.		Sample		ethanol quant.M
29	409-01D.P.		Sample		ethanol quant.M
30	409-01D.P.		Sample		ethanol quant.M
31	25052023-A	0.100	Control		ethanol quant.M
32	2415861-3		Sample		ethanol quant.M
33	2415861-3		Sample		ethanol quant.M
34	2418125-2		Sample		ethanol quant.M
35	2418125-2		Sample		ethanol quant.M
36	2418249-2		Sample		ethanol quant.M
37	2418249-2		Sample		ethanol quant.M
38	2409065-2		Sample		ethanol quant.M
39	2409065-2		Sample		ethanol quant.M
40	2418459-3		Sample		ethanol quant.M
41	2418459-3		Sample		ethanol quant.M
42	12052023-B	0.400	Control		ethanol quant.M
43	518018	0.040	Control		ethanol quant.M
44	4110320133/11	0.199	Control		ethanol quant.M
45	090524AQ	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 17Sep24

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1016	0.1001	0.10085	0.74	0.00075
12 13	0.2397	0.2390	0.23935	0.15	0.00035
14 15	0.2154	0.2145	0.21495	0.21	0.00045
16 17	0.0174	0.0171	0.01725	0.87	0.00015
18 19	0.0708	0.0707	0.07075	0.07	0.00005
21 22	0.1201	0.1205	0.12030	0.17	0.00020
23 24	0.1270	0.1264	0.12670	0.24	0.00030
25 26	0.1207	0.1218	0.12125	0.45	0.00055
27 28	0.1590	0.1591	0.15905	0.03	0.00005
29 30	0.0937	0.0940	0.09385	0.16	0.00015
32 33	0.1888	0.1884	0.18860	0.11	0.00020
34 35	0.2670	0.2640	0.26550	0.56	0.00150
36 37	0.0000	0.0000	0.00000	0.00	0.00000
38 39	0.1093	0.1099	0.10960	0.27	0.00030
40 41	0.3398	0.3364	0.33810	0.50	0.00170

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

**Scottsdale Forensic Lab**  
**Blood Alcohol Pipetting Log**

**ANALYST:** Abbott 

**SEQUENCE:** 17Sep24

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2418003-1	2418003-1	2418003-1	Yes
Vials 12 and 13	2418011-2	2418011-2	2418011-2	Yes
Vials 14 and 15	404-01R.H.	404-01R.H.	404-01R.H.	Yes
Vials 16 and 17	409-01D.B.	409-01D.B.	409-01D.B.	Yes
Vials 18 and 19	334-01D.S.	334-01D.S.	334-01D.S.	Yes
Vials 21 and 22	404-01S.S.	404-01S.S.	404-01S.S.	Yes
Vials 23 and 24	353-01A.H.	353-01A.H.	353-01A.H.	Yes
Vials 25 and 26	409-01D.C.	409-01D.C.	409-01D.C.	Yes
Vials 27 and 28	409-01J.B.	409-01J.B.	409-01J.B.	Yes
Vials 29 and 30	409-01D.P.	409-01D.P.	409-01D.P.	Yes
Vials 32 and 33	2415861-3	2415861-3	2415861-3	Yes
Vials 34 and 35	2418125-2	2418125-2	2418125-2	Yes
Vials 36 and 37	2418249-2	2418249-2	2418249-2	Yes
Vials 38 and 39	2409065-2	2409065-2	2409065-2	Yes
Vials 40 and 41	2418459-3	2418459-3	2418459-3	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418003-1	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:36:18 PM
Data file:	C:\Chem32\1\Data\17Sep24\10.D	Analyst:	Abbott

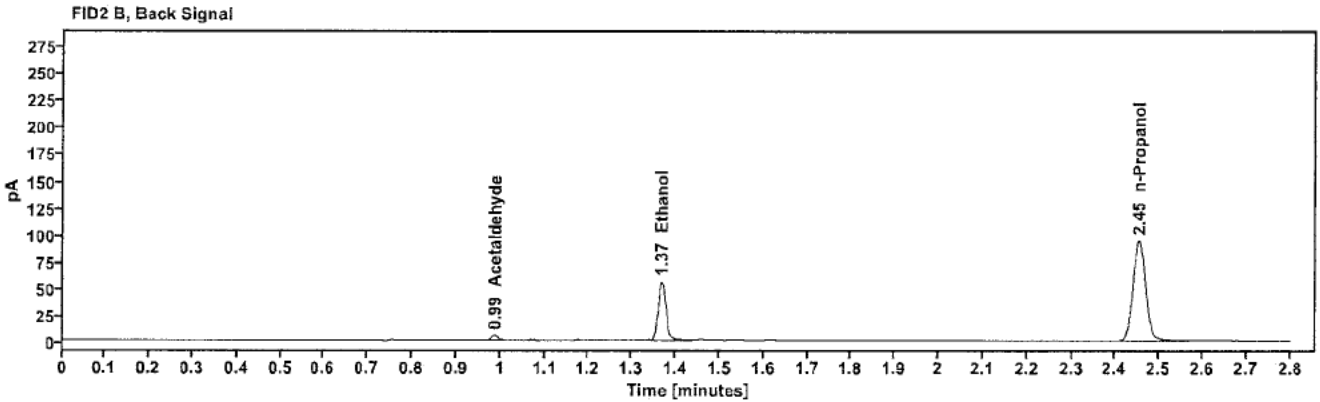
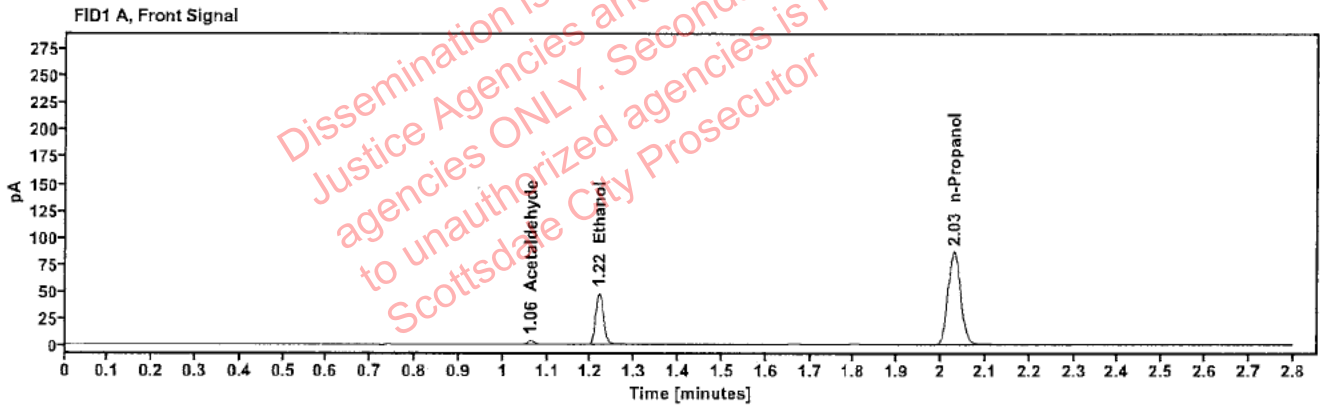


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.063	3.972
>Ethanol	0.1016	1.219	61.307
n-Propanol	-----	2.029	172.731

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.988	4.494
Ethanol	1.368	67.461
n-Propanol	2.454	187.158

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418003-1	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:40:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\11.D	Analyst:	Abbott

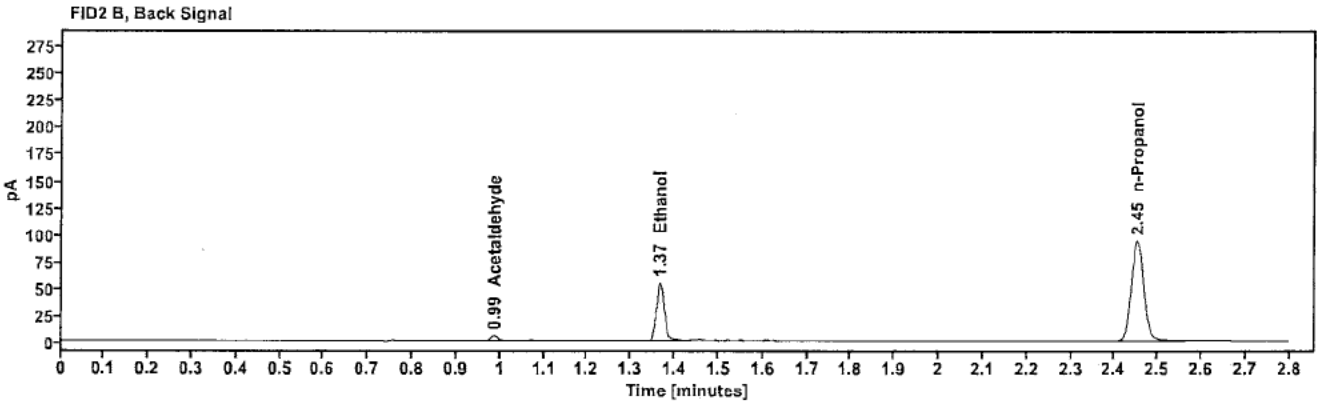
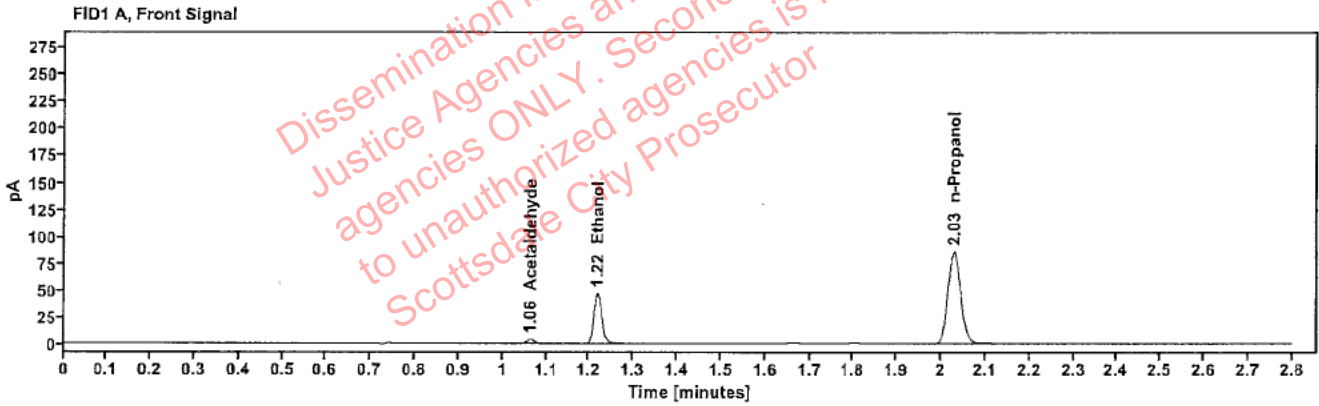


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.062	4.018
>Ethanol	0.1001	1.218	59.962
n-Propanol	-----	2.029	171.577

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.987	4.559
Ethanol	1.366	66.207
n-Propanol	2.453	186.077

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418011-2	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:44:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\12.D	Analyst:	Abbott

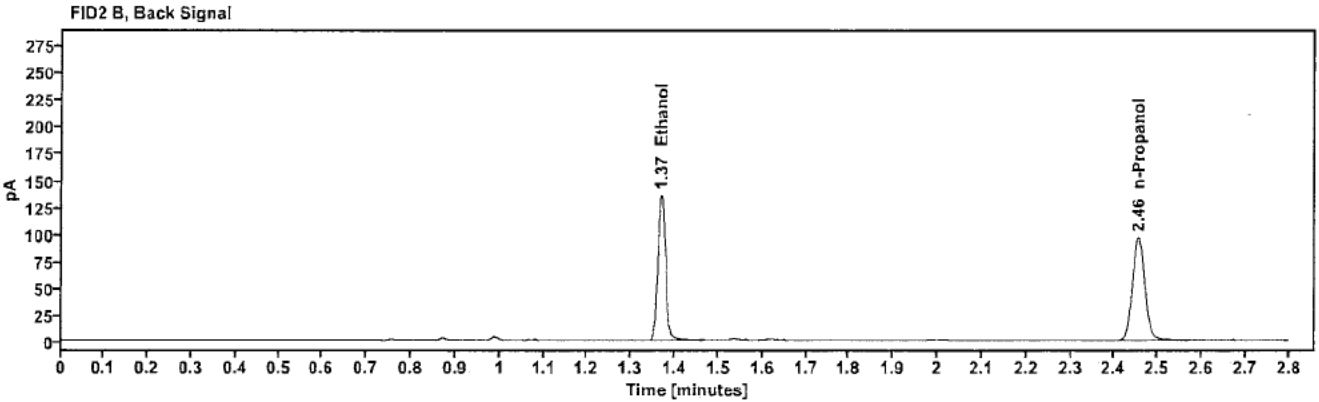
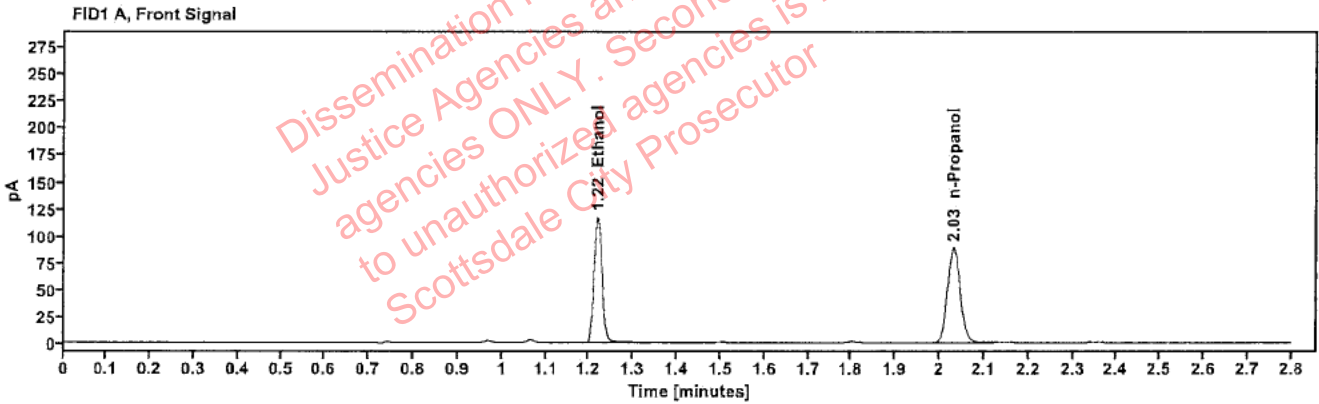


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2397	1.219	149.261
n-Propanol	---	2.031	176.518

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

Compound	Time (min)	Peak Area
Ethanol	1.368	165.165
n-Propanol	2.455	191.377

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418011-2	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:48:33 PM
Data file:	C:\Chem32\1\Data\17Sep24\13.D	Analyst:	Abbott

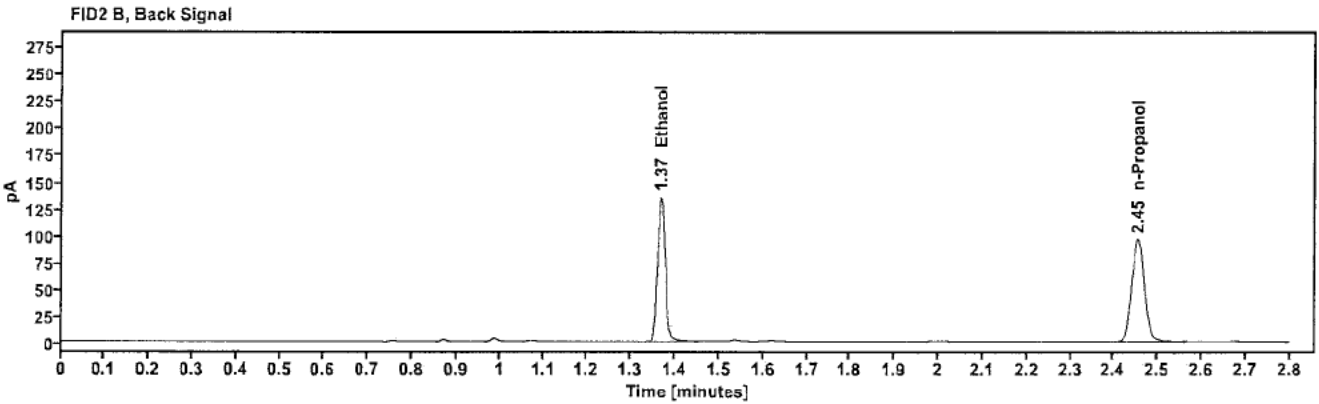
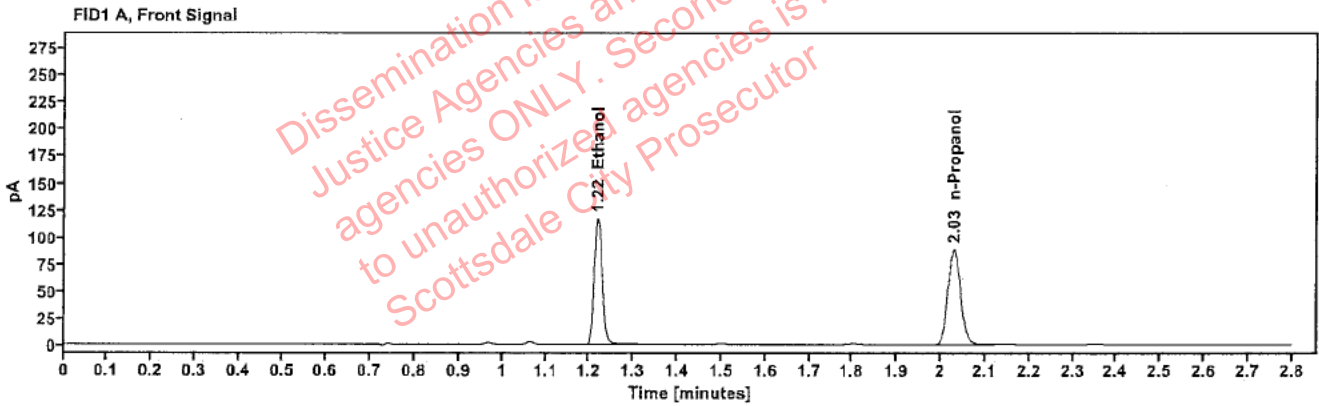


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2390	1.218	149.134
n-Propanol	-----	2.030	176.873

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

Compound	Time (min)	Peak Area
Ethanol	1.367	163.802
n-Propanol	2.454	191.818



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01R.H.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:52:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\14.D	Analyst:	Abbott

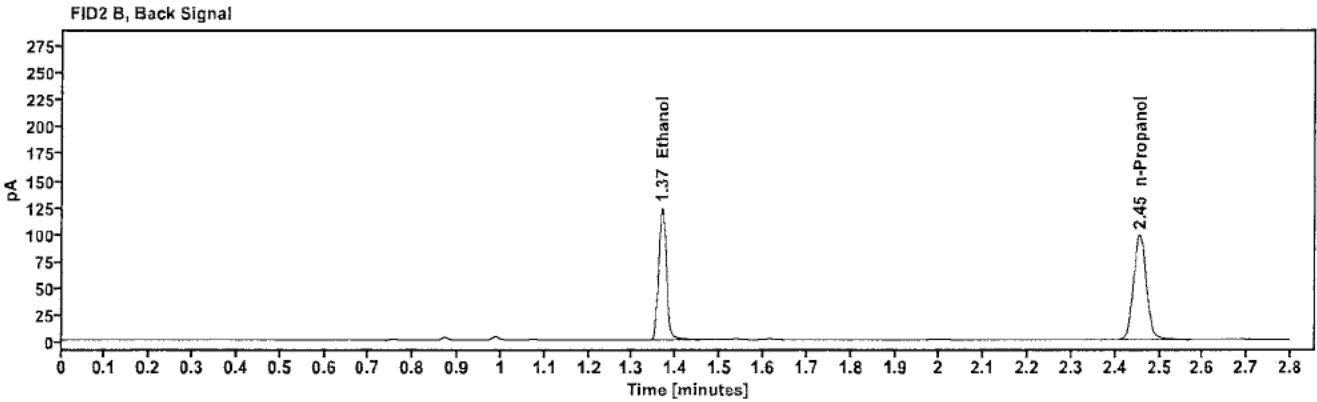
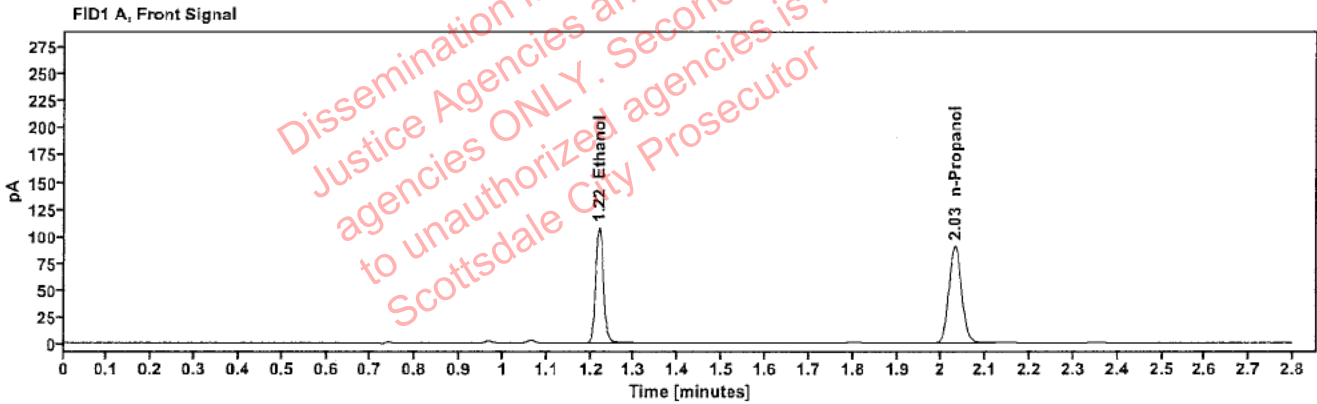


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2154	1.218	136.242
n-Propanol	-----	2.030	179.429

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

Compound	Time (min)	Peak Area
Ethanol	1.368	149.658
n-Propanol	2.455	194.687

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01R.H.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 3:56:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\15.D	Analyst:	Abbott

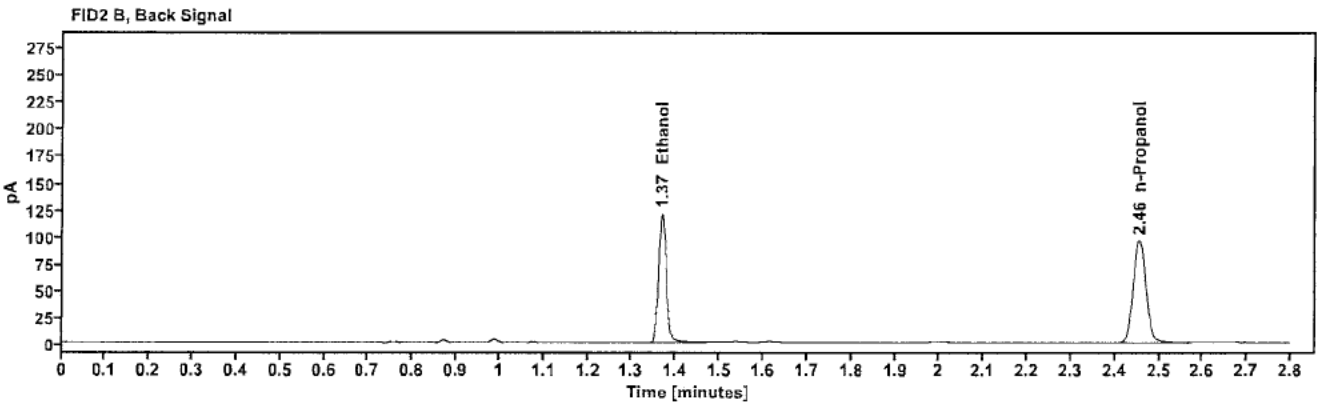
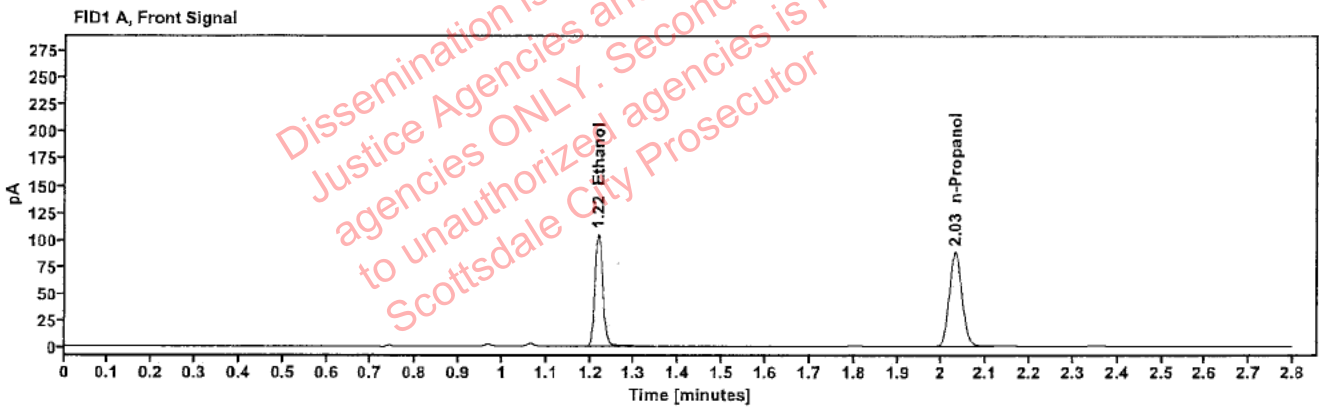


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2145	1.219	133.048
n-Propanol	---	2.031	175.968

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

Compound	Time (min)	Peak Area
Ethanol	1.368	147.274
n-Propanol	2.455	190.867

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.B.	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:00:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\16.D	Analyst:	Abbott

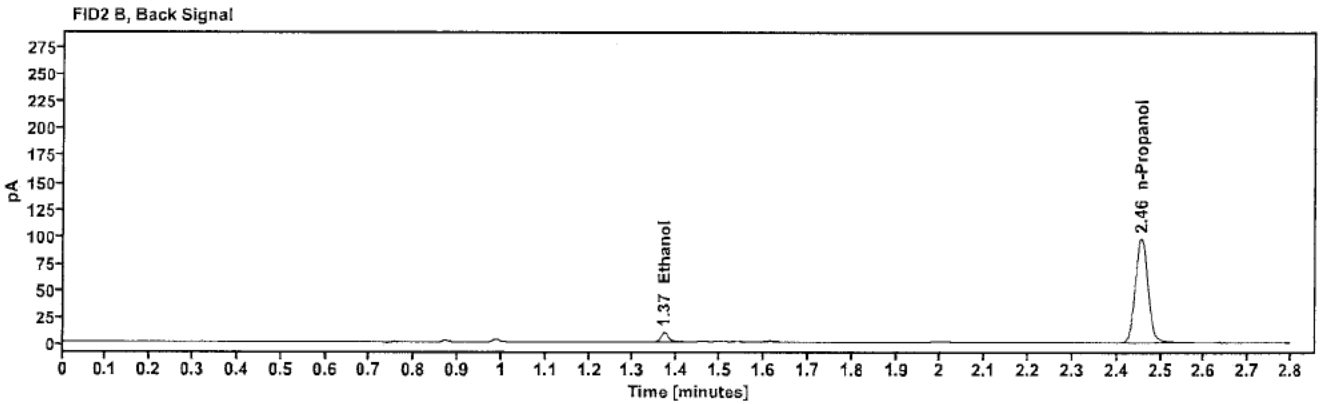
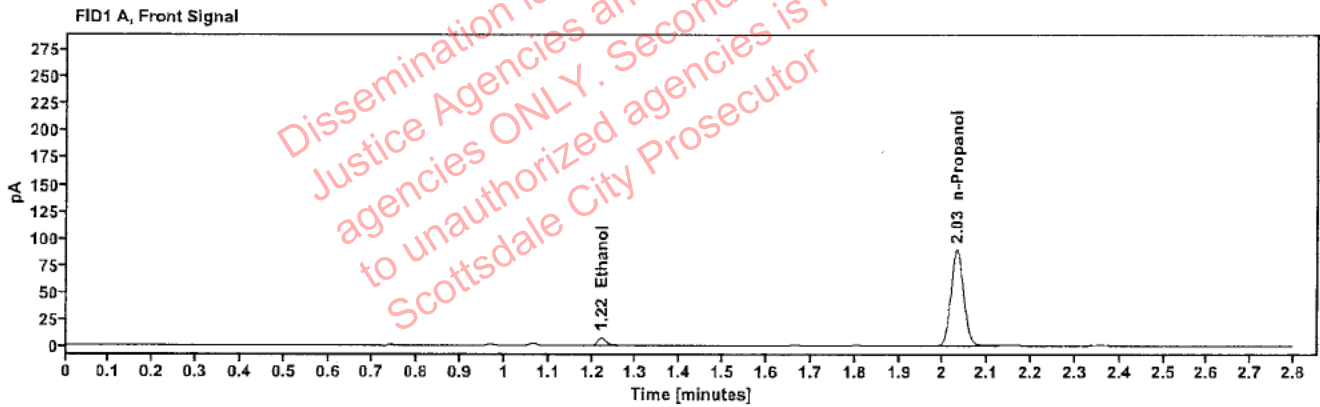


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0174	1.222	9.954
n-Propanol	-----	2.031	178.712

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

Compound	Time (min)	Peak Area
Ethanol	1.370	11.222
n-Propanol	2.456	194.315

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.B.	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:04:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\17.D	Analyst:	Abbott

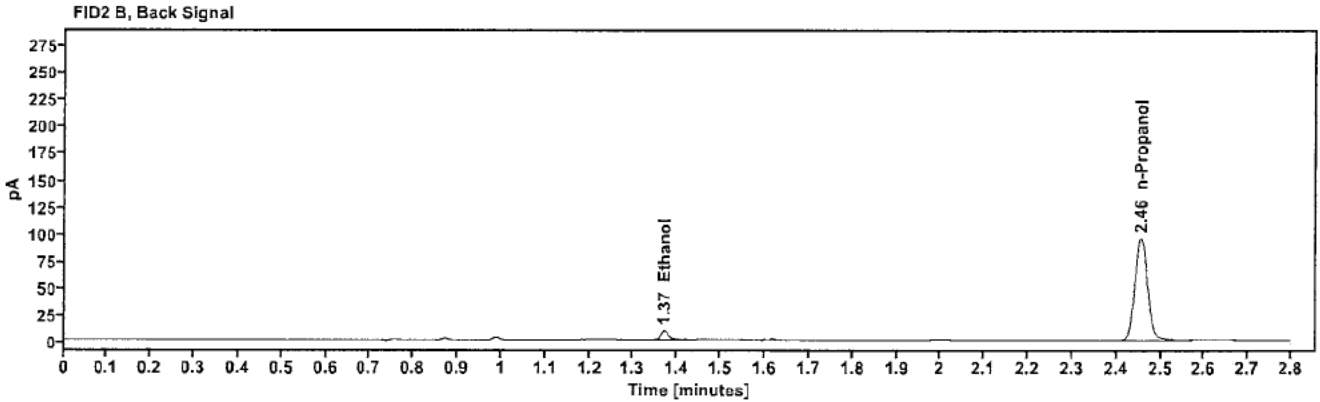
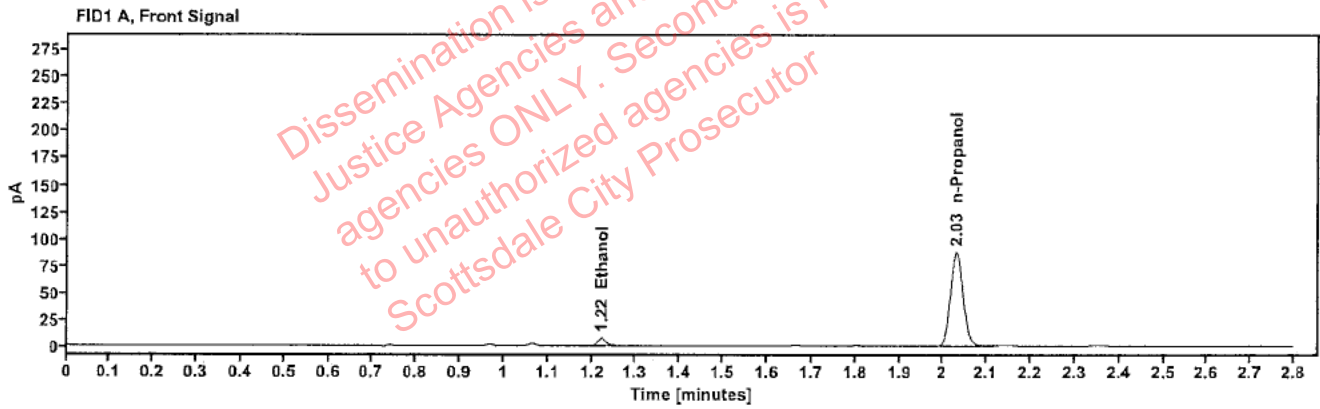


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0171	1.222	9.542
n-Propanol	-----	2.031	174.814

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

Compound	Time (min)	Peak Area
Ethanol	1.370	10.685
n-Propanol	2.455	189.866

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	334-01D.S.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:08:33 PM
Data file:	C:\Chem32\1\Data\17Sep24\18.D	Analyst:	Abbott

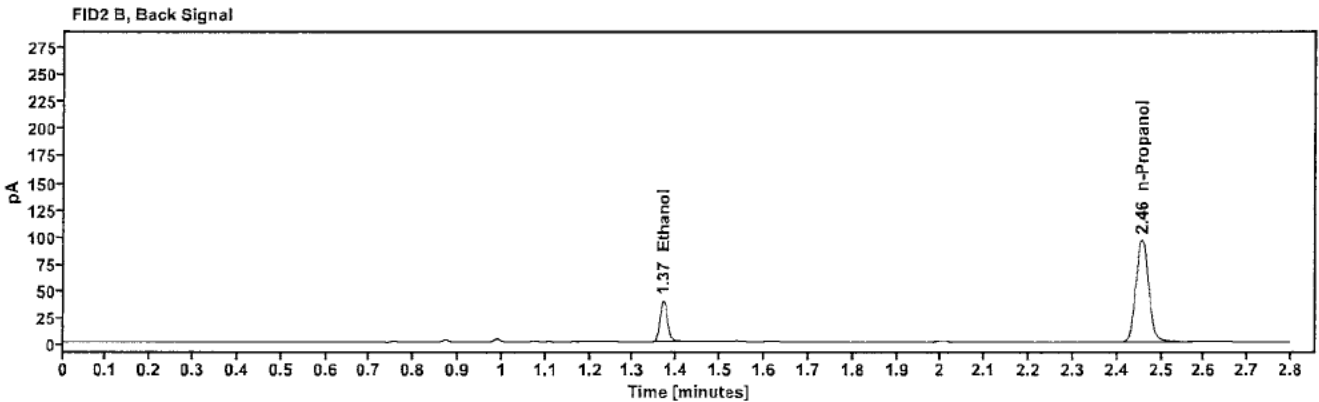
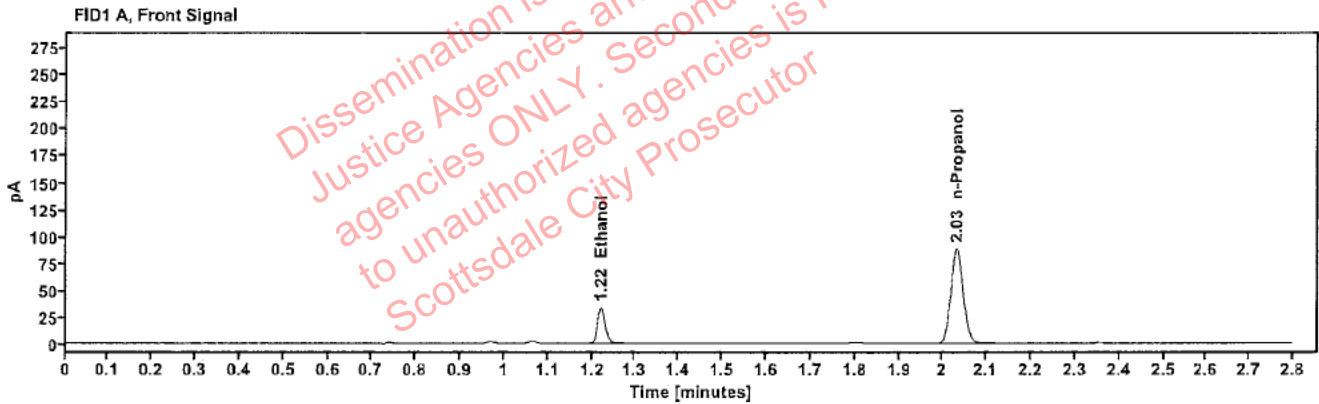


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0708	1.220	43.274
n-Propanol	---	2.032	176.351

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

Compound	Time (min)	Peak Area
Ethanol	1.369	47.150
n-Propanol	2.456	191.014

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	334-01D.S.	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:12:49 PM
Data file:	C:\Chem32\1\Data\17Sep24\19.D	Analyst:	Abbott

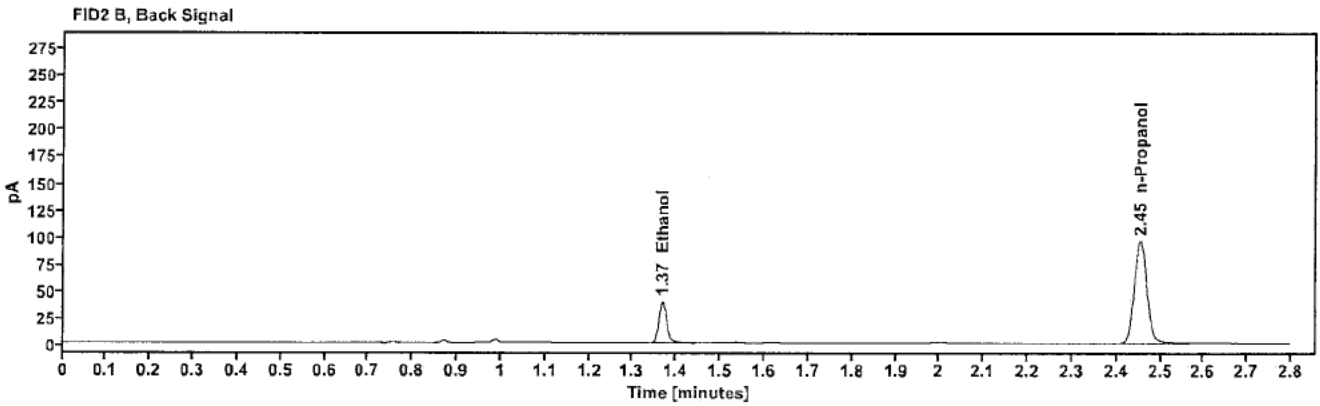
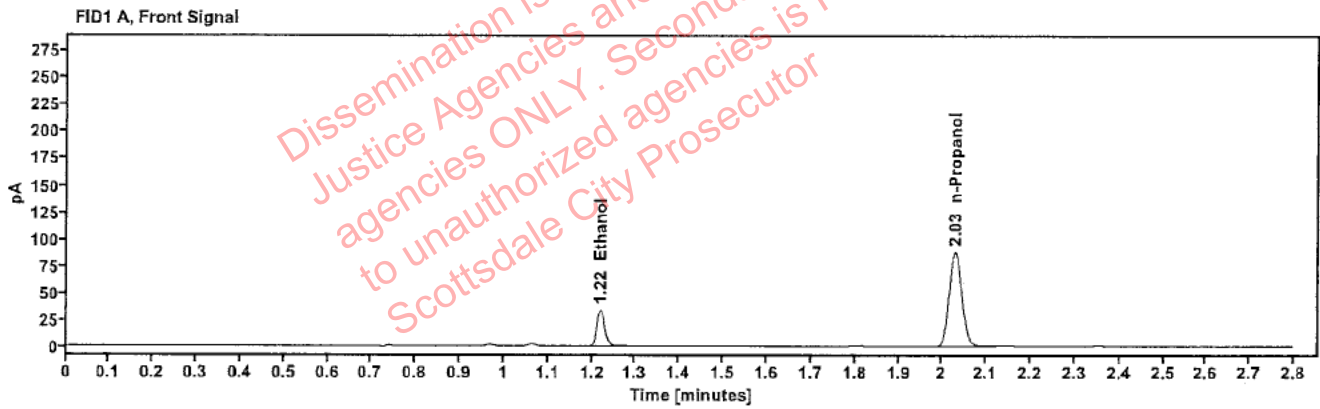


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0707	1.219	42.986
n-Propanol	---	2.030	175.527

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

Compound	Time (min)	Peak Area
Ethanol	1.368	46.983
n-Propanol	2.454	190.132

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01S.S.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:20:48 PM
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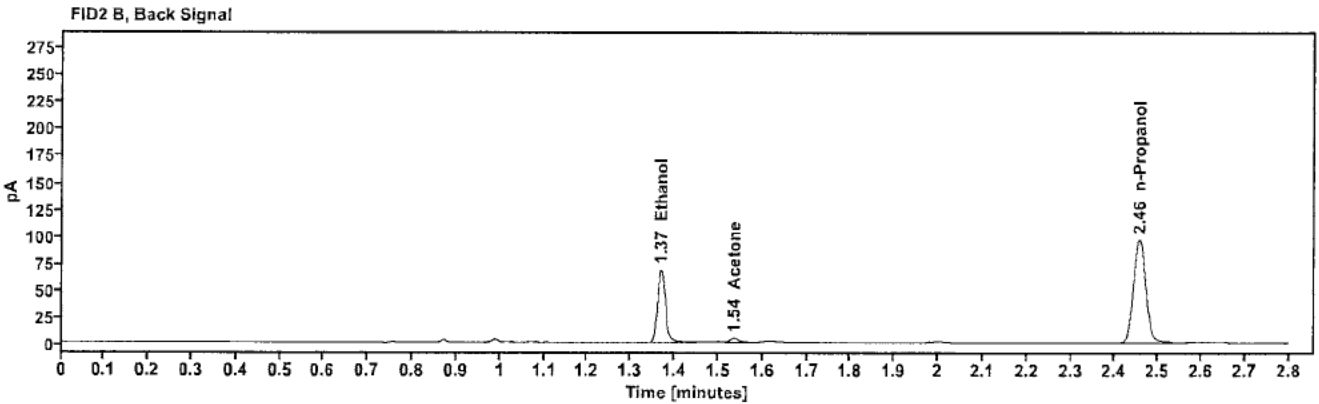
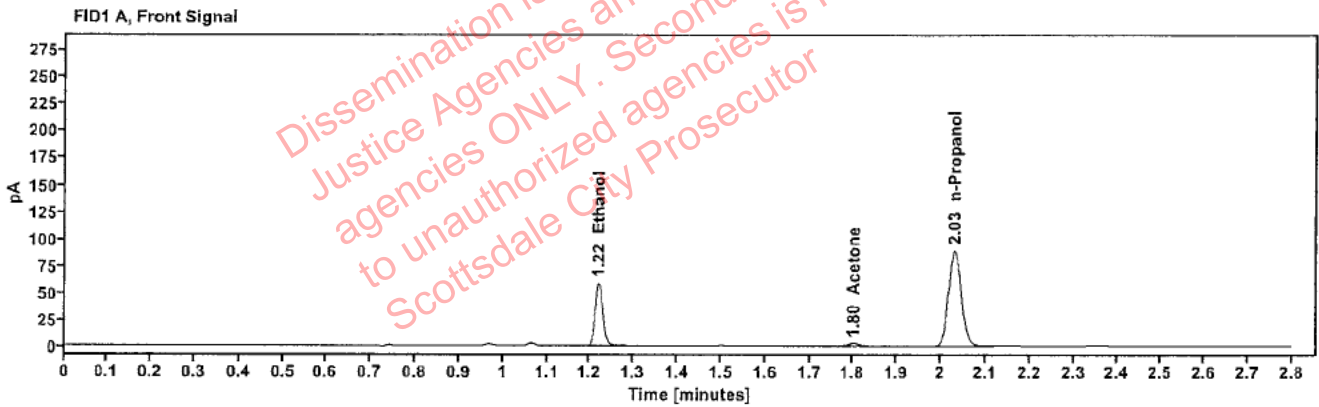


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1201	1.219	75.005
Acetone	----	1.800	4.514
n-Propanol	----	2.031	178.241

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

Compound	Time (min)	Peak Area
Ethanol	1.369	82.418
Acetone	1.535	4.924
n-Propanol	2.456	192.374

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01S.S.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:24:49 PM
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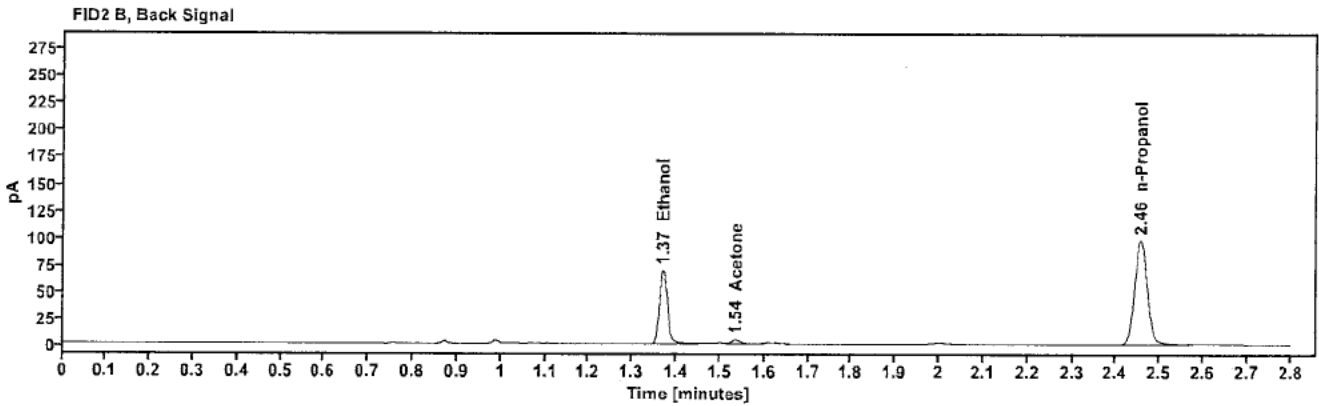
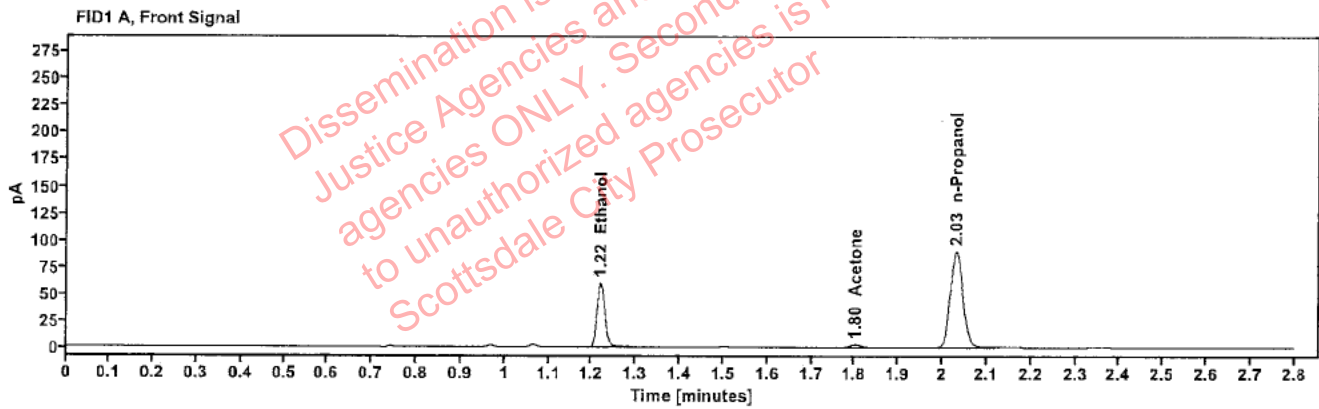


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1205	1.220	76.281
Acetone	-----	1.801	4.494
n-Propanol	-----	2.031	180.680

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

Compound	Time (min)	Peak Area
Ethanol	1.369	83.830
Acetone	1.536	4.948
n-Propanol	2.456	194.460



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01A.H.	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:28:50 PM
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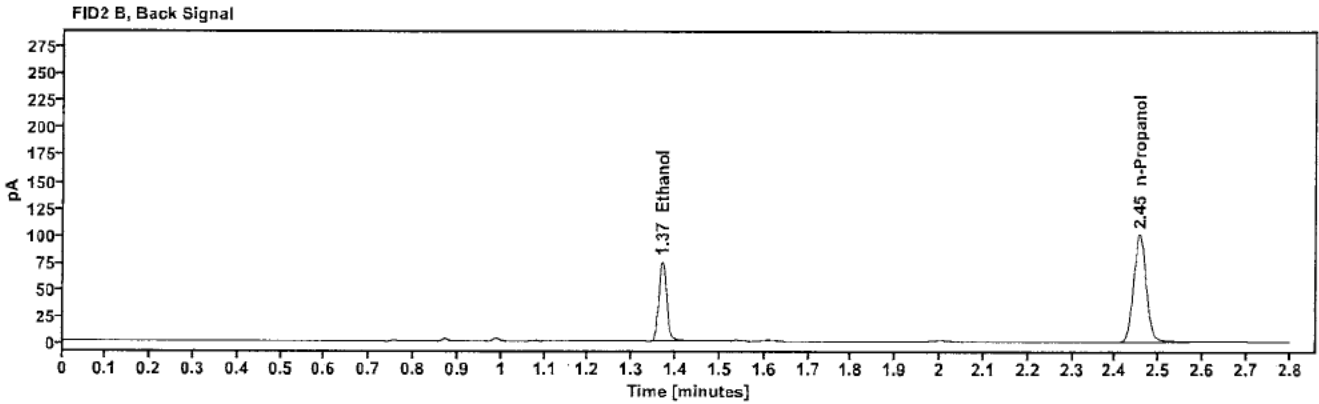
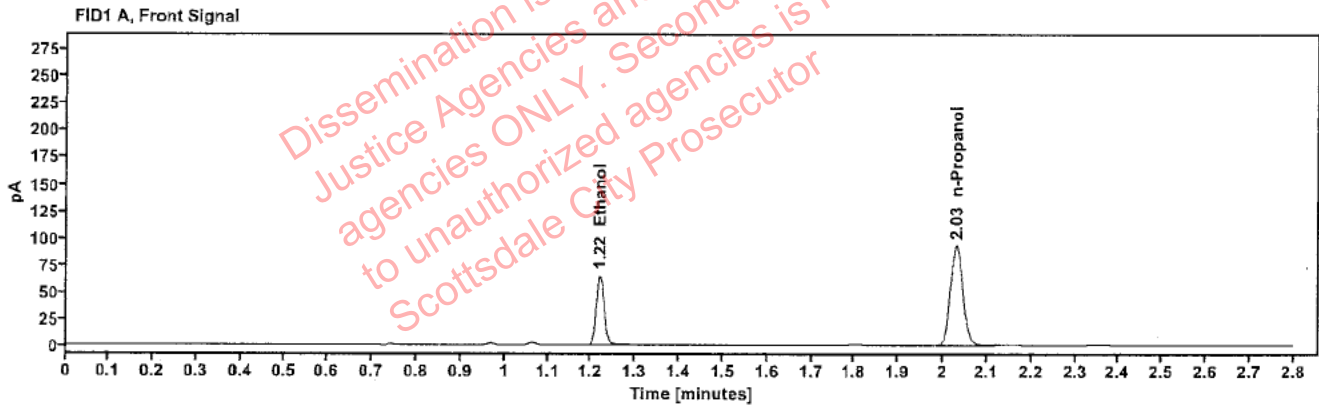


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1270	1.219	82.796
n-Propanol	---	2.031	186.005

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

Compound	Time (min)	Peak Area
Ethanol	1.368	90.734
n-Propanol	2.455	200.973

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01A.H.	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:32:49 PM
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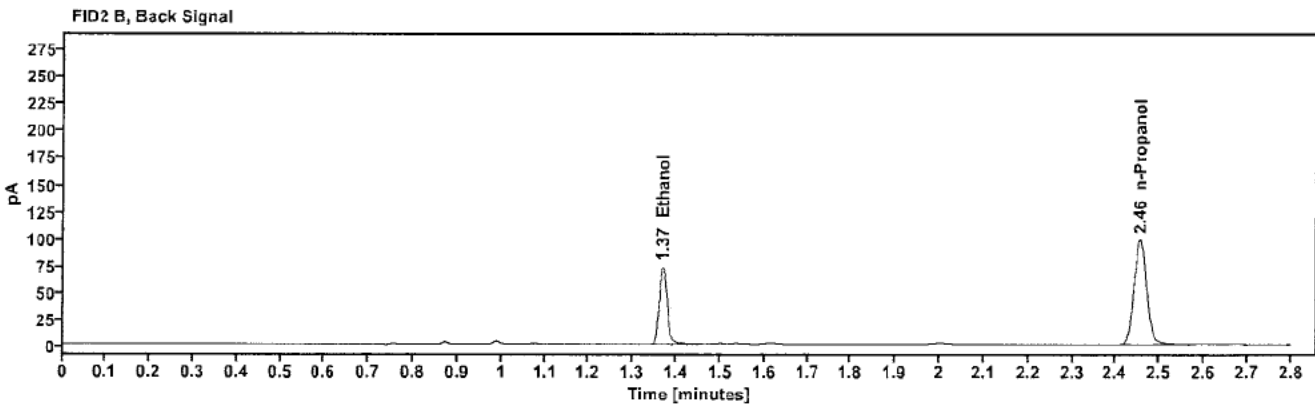
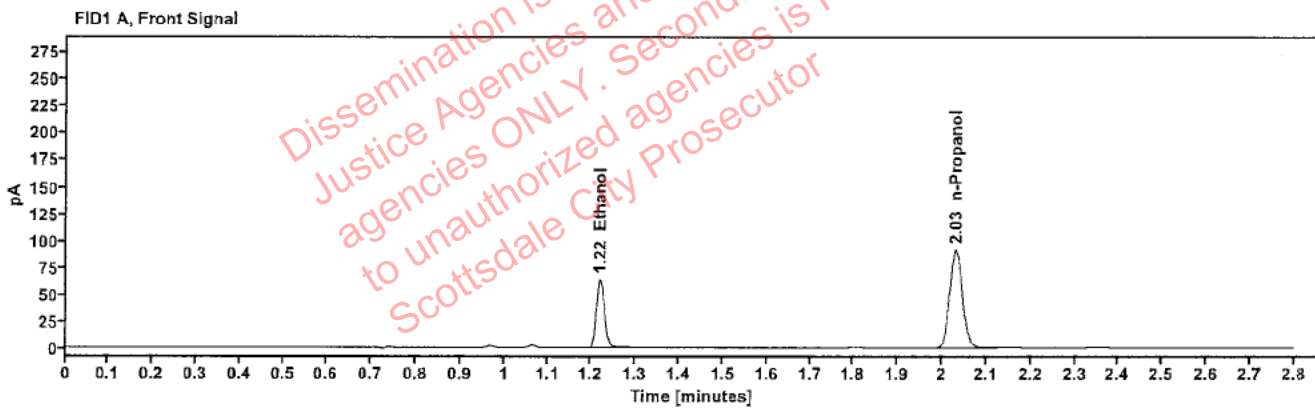


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1264	1.219	80.912
n-Propanol	-----	2.031	182.632

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

Compound	Time (min)	Peak Area
Ethanol	1.368	88.741
n-Propanol	2.456	197.150

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.C.	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:37:03 PM
Data file:	C:\Chem32\1\Data\17Sep24\25.D	Analyst:	Abbott

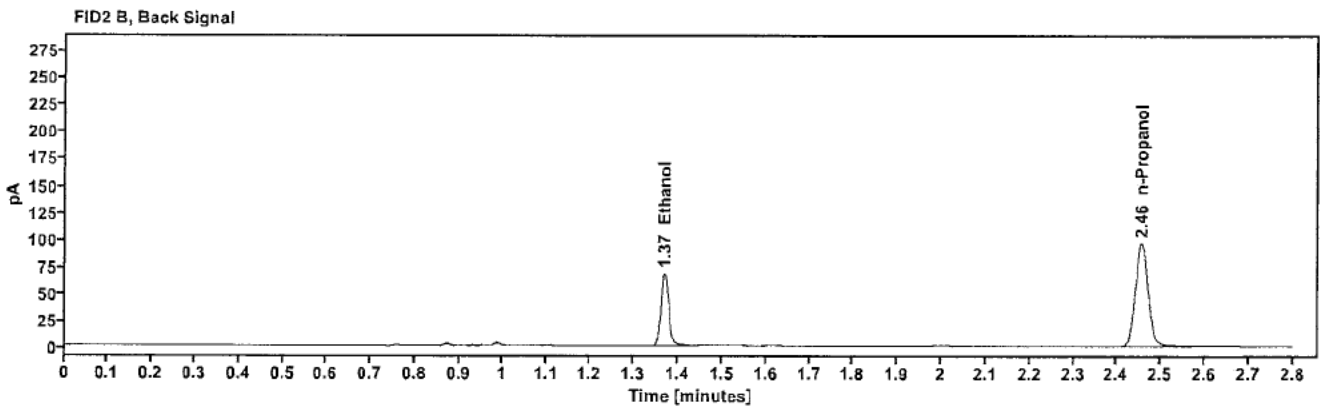
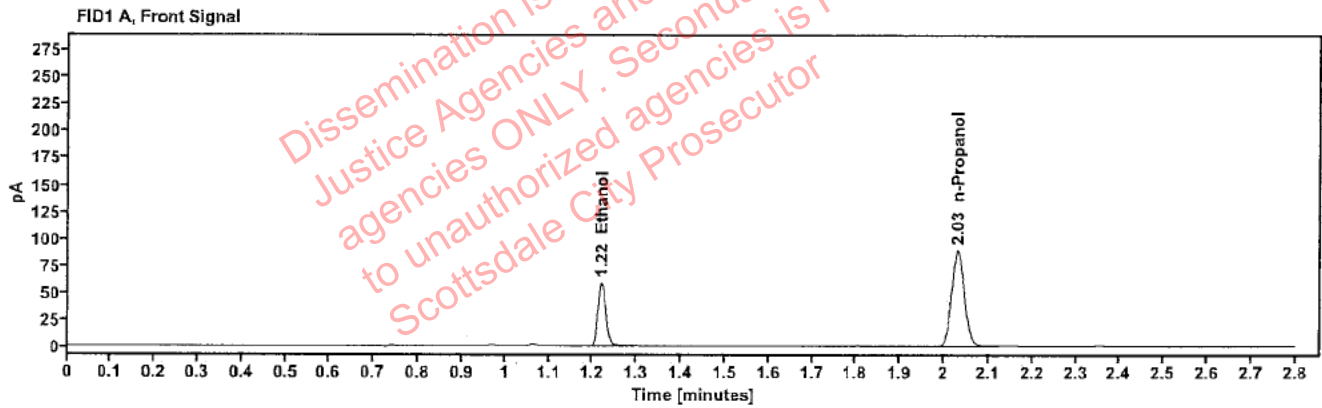


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1207	1.219	74.759
n-Propanol	---	2.031	176.761

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

Compound	Time (min)	Peak Area
Ethanol	1.368	81.793
n-Propanol	2.455	191.884

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.C.	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:41:04 PM
Data file:	C:\Chem32\1\Data\17Sep24\26.D	Analyst:	Abbott

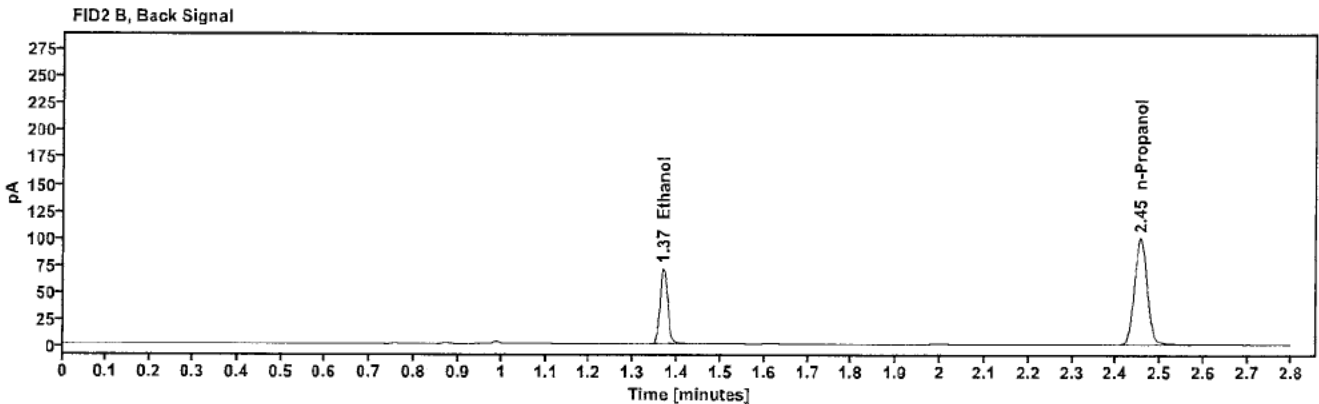
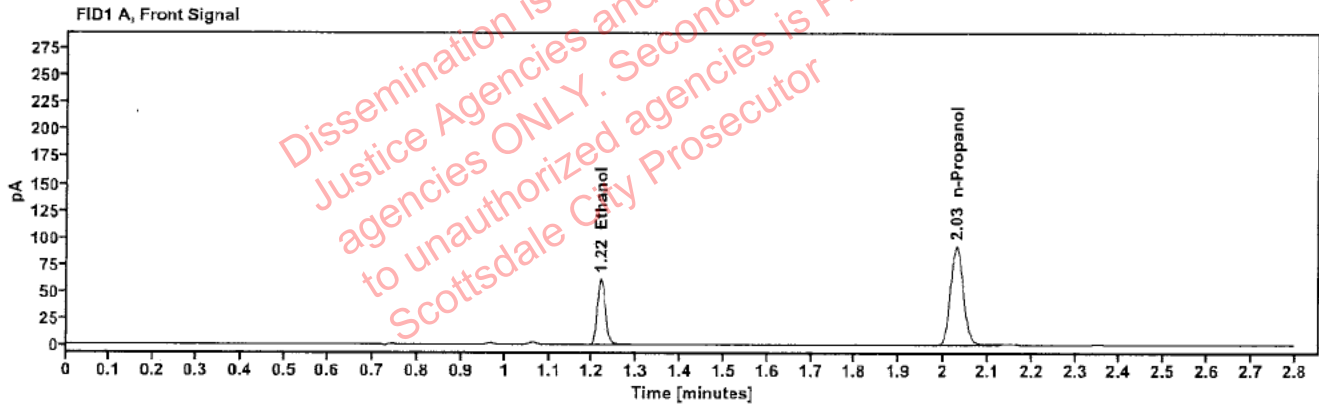


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1218	1.219	78.426
n-Propanol	-----	2.030	183.798

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

Compound	Time (min)	Peak Area
Ethanol	1.368	85.775
n-Propanol	2.454	199.516

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01J.B.	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:45:04 PM
Data file:	C:\Chem32\1\Data\17Sep24\27.D	Analyst:	Abbott

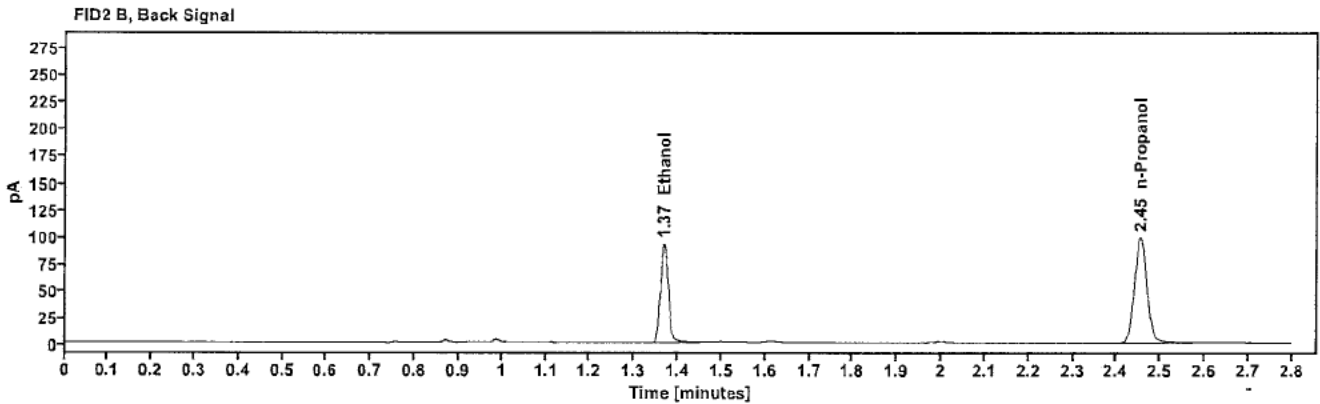
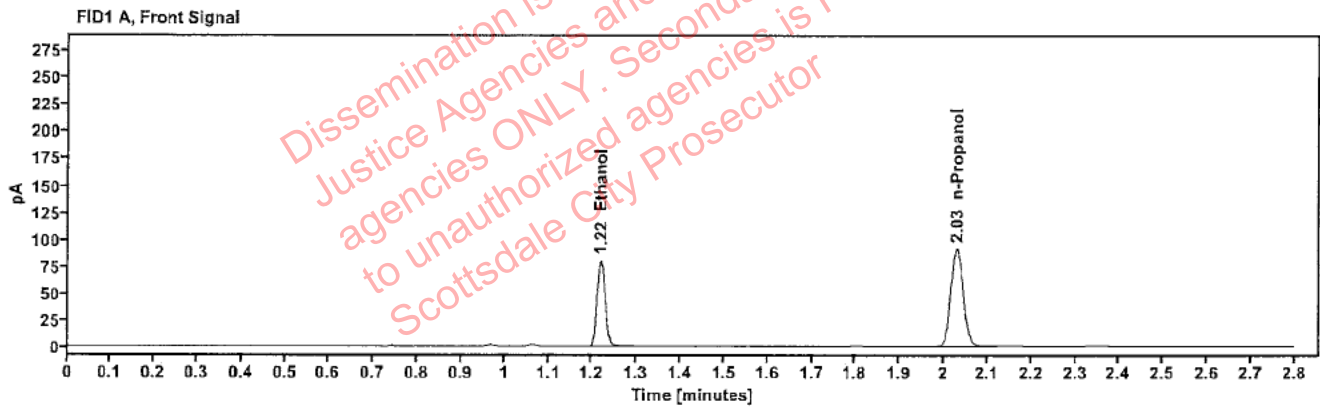


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1590	1.218	102.051
n-Propanol	-----	2.029	182.593

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

Compound	Time (min)	Peak Area
Ethanol	1.367	112.116
n-Propanol	2.454	197.332

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01J.B.	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:49:04 PM
Data file:	C:\Chem32\1\Data\17Sep24\28.D	Analyst:	Abbott

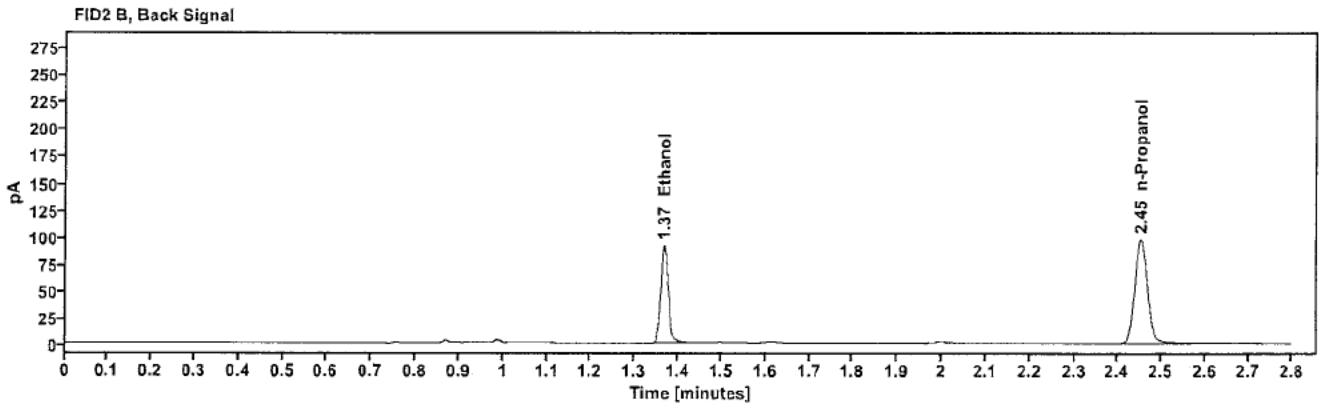
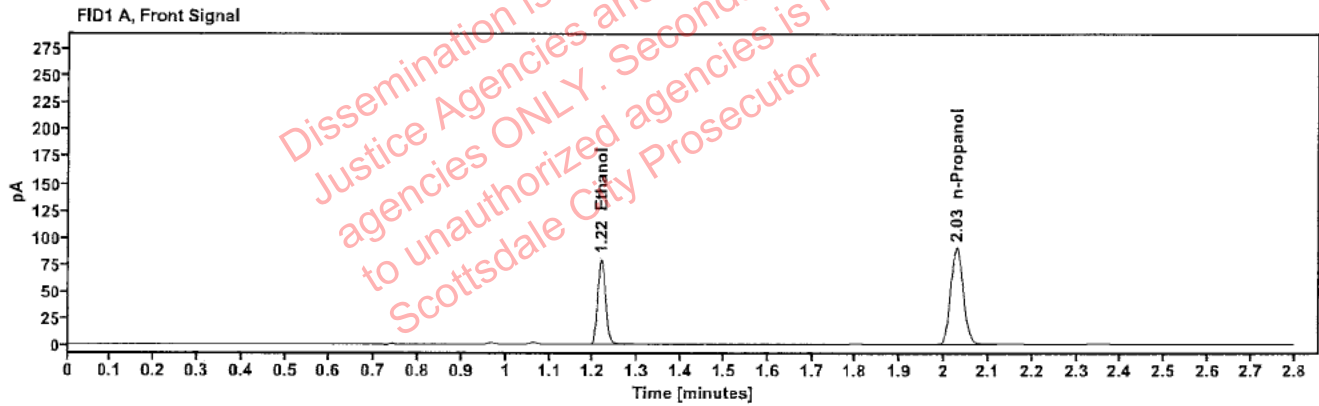


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1591	1.218	101.034
n-Propanol	----	2.028	180.715

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

Compound	Time (min)	Peak Area
Ethanol	1.367	110.885
n-Propanol	2.452	195.175

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.P.	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:53:04 PM
Data file:	C:\Chem32\1\Data\17Sep24\29.D	Analyst:	Abbott

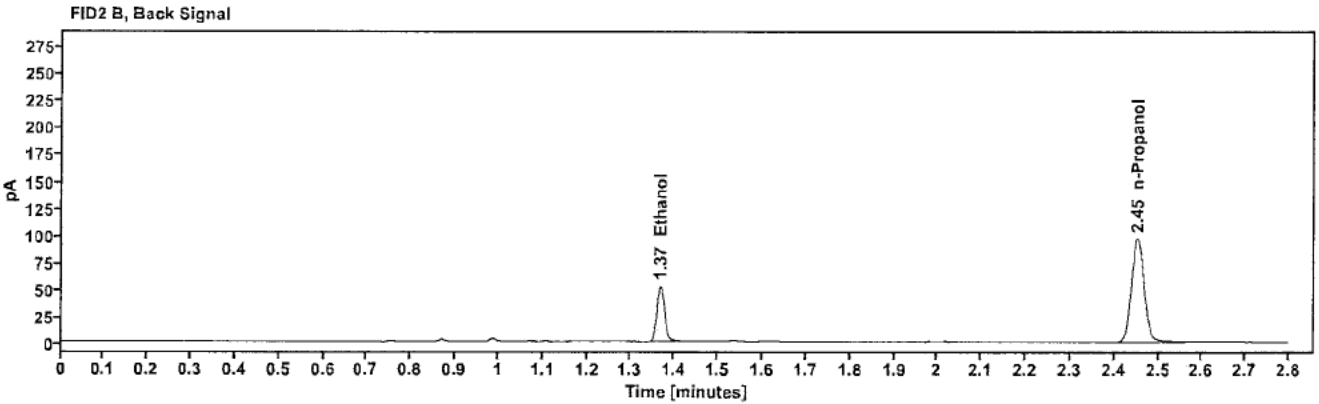
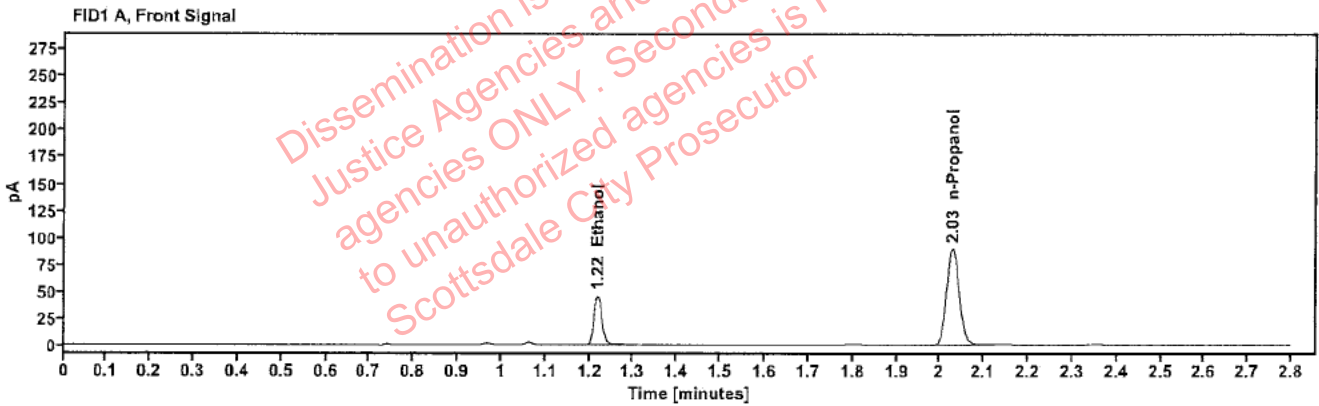


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0937	1.218	58.252
n-Propanol	-----	2.029	178.281

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

Compound	Time (min)	Peak Area
Ethanol	1.367	63.489
n-Propanol	2.453	192.910

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01D.P.	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 4:57:04 PM
Data file:	C:\Chem32\1\Data\17Sep24\30.D	Analyst:	Abbott

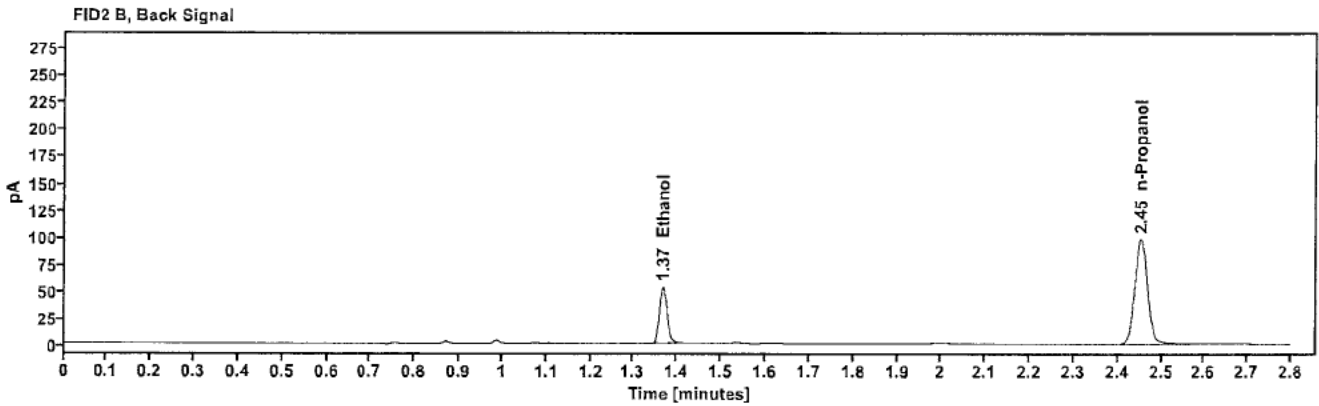
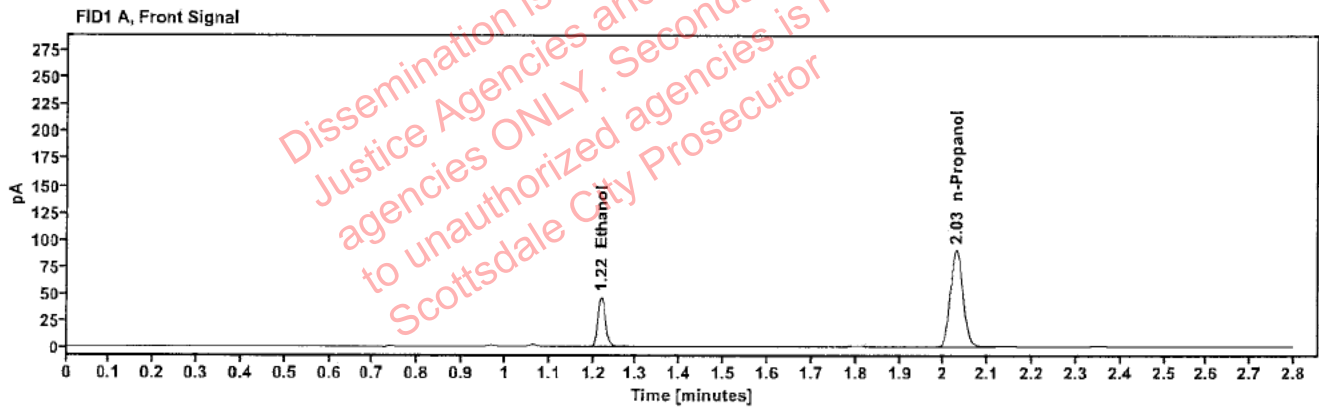


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0940	1.218	59.076
n-Propanol	-----	2.029	180.119

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

Compound	Time (min)	Peak Area
Ethanol	1.367	64.290
n-Propanol	2.453	194.854



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2415861-3	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:05:18 PM
Data file:	C:\Chem32\1\Data\17Sep24\32.D	Analyst:	Abbott

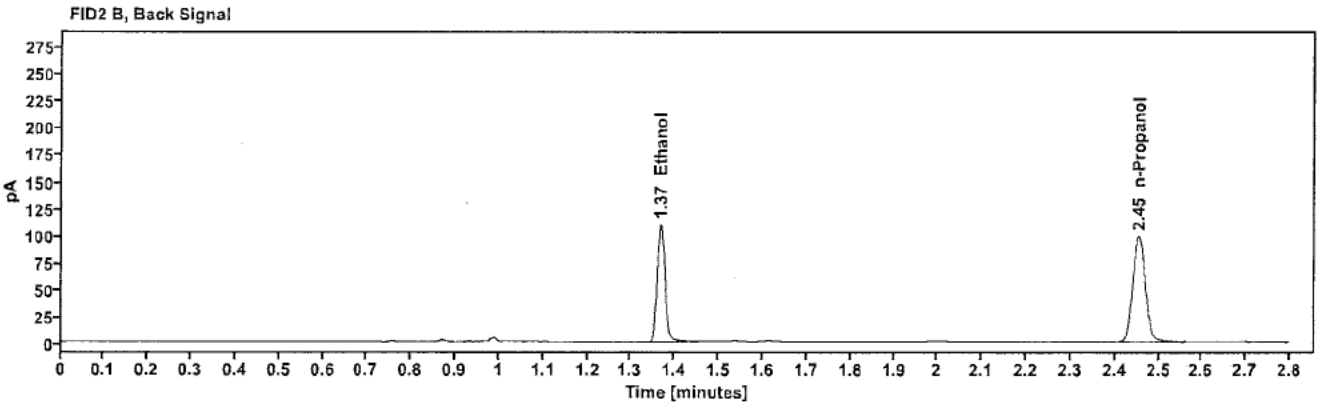
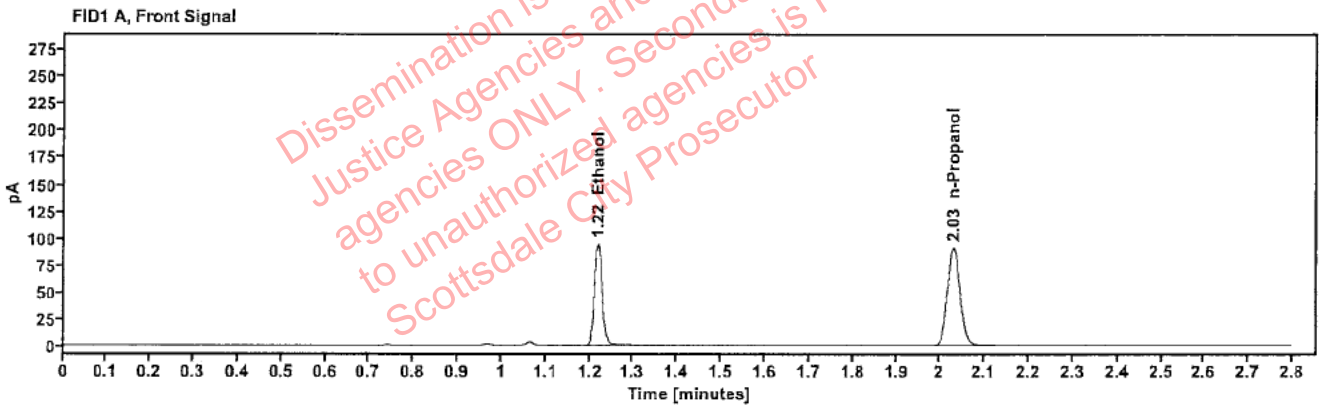


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1888	1.218	120.691
n-Propanol	---	2.030	181.554

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

Compound	Time (min)	Peak Area
Ethanol	1.367	132.366
n-Propanol	2.454	196.689

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2415861-3	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:09:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\33.D	Analyst:	Abbott

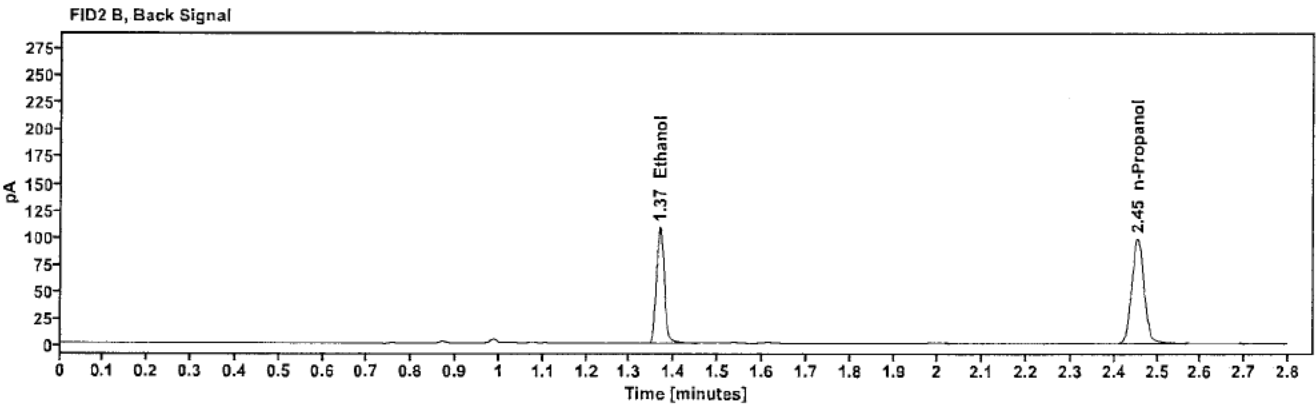
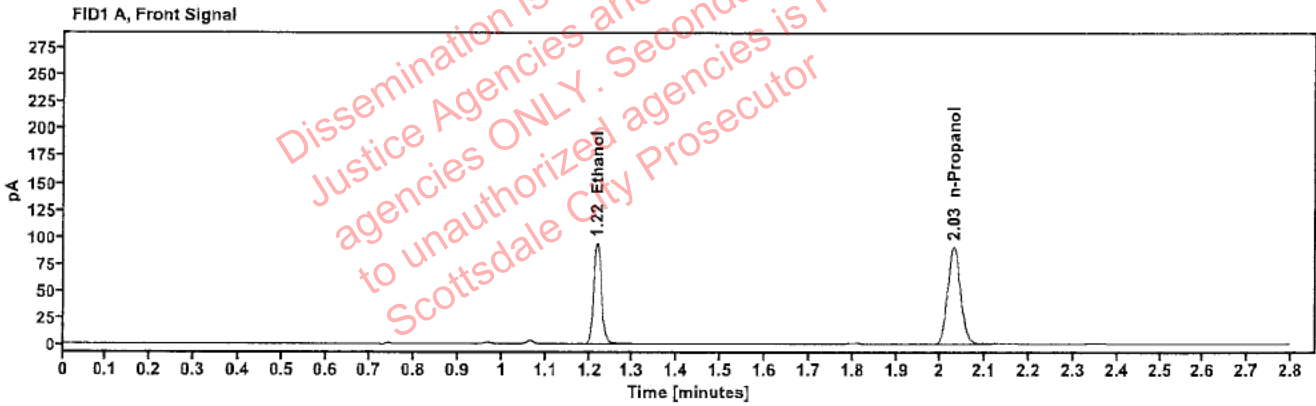


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1884	1.218	119.710
n-Propanol	-----	2.029	180.485

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

Compound	Time (min)	Peak Area
Ethanol	1.367	131.129
n-Propanol	2.454	195.383

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418125-2	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:13:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\34.D	Analyst:	Abbott

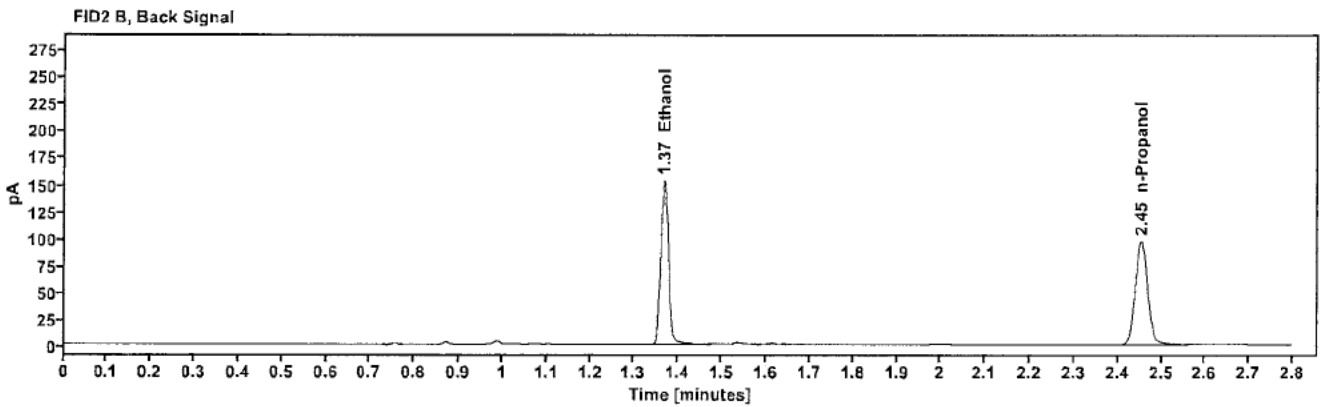
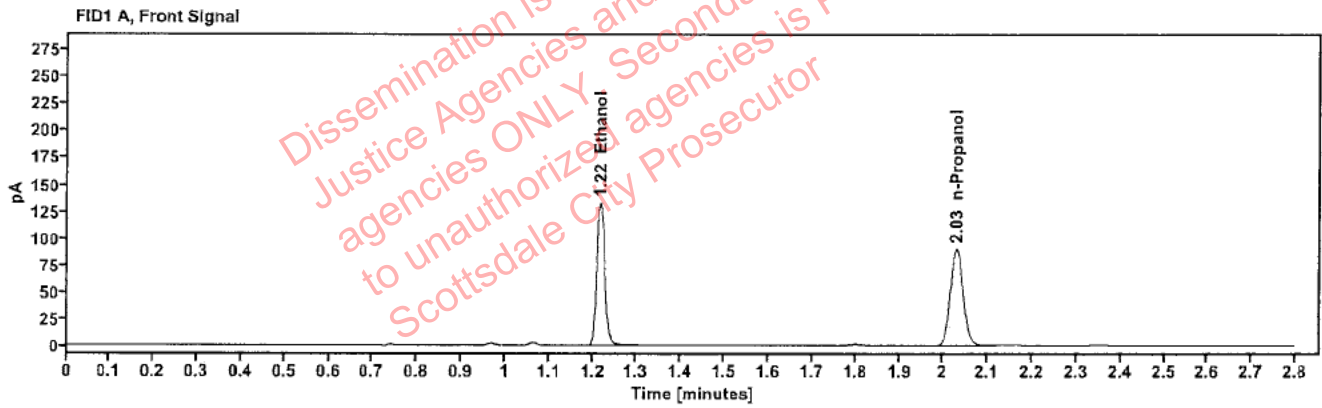


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2670	1.218	168.648
n-Propanol	-----	2.029	178.857

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

Compound	Time (min)	Peak Area
Ethanol	1.367	186.403
n-Propanol	2.453	193.469

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418125-2	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:17:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\35.D	Analyst:	Abbott

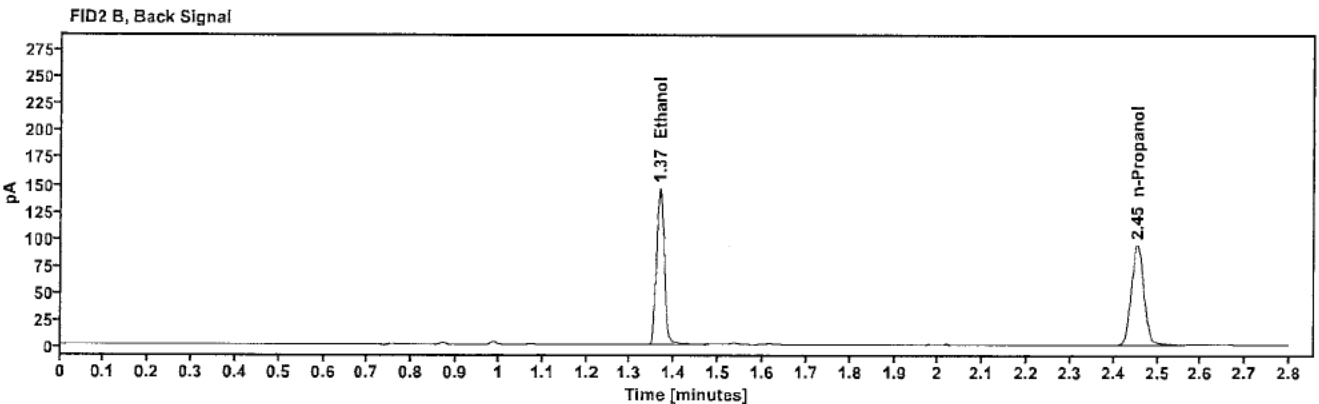
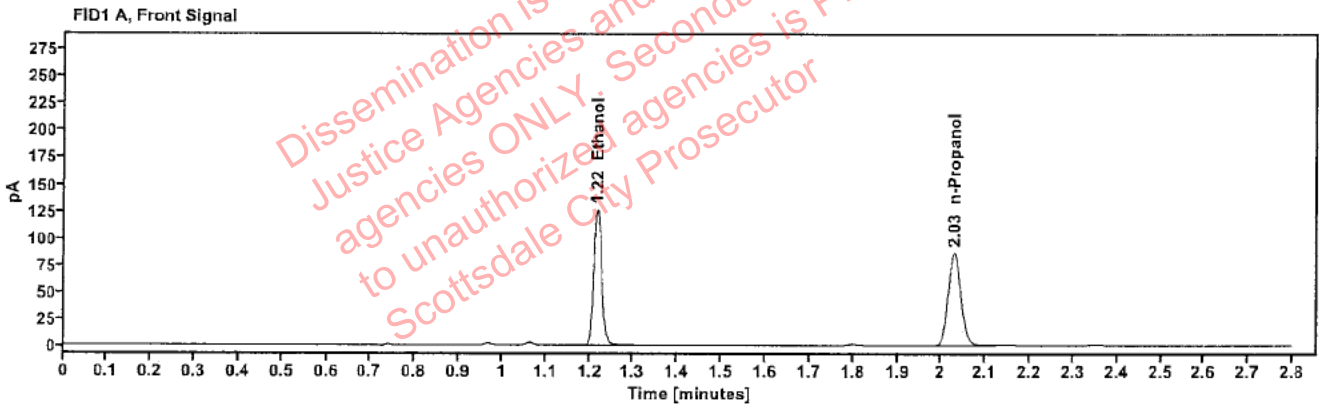


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2640	1.217	160.262
n-Propanol	---	2.029	171.958

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

Compound	Time (min)	Peak Area
Ethanol	1.366	177.349
n-Propanol	2.453	186.055

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418249-2	Vial:	36
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:21:19 PM
Data file:	C:\Chem32\1\Data\17Sep24\36.D	Analyst:	Abbott

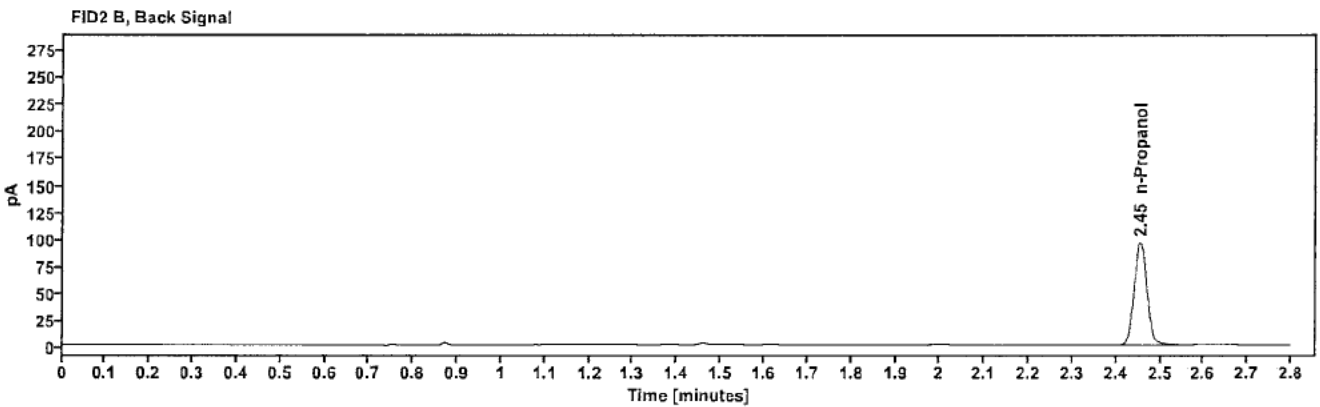
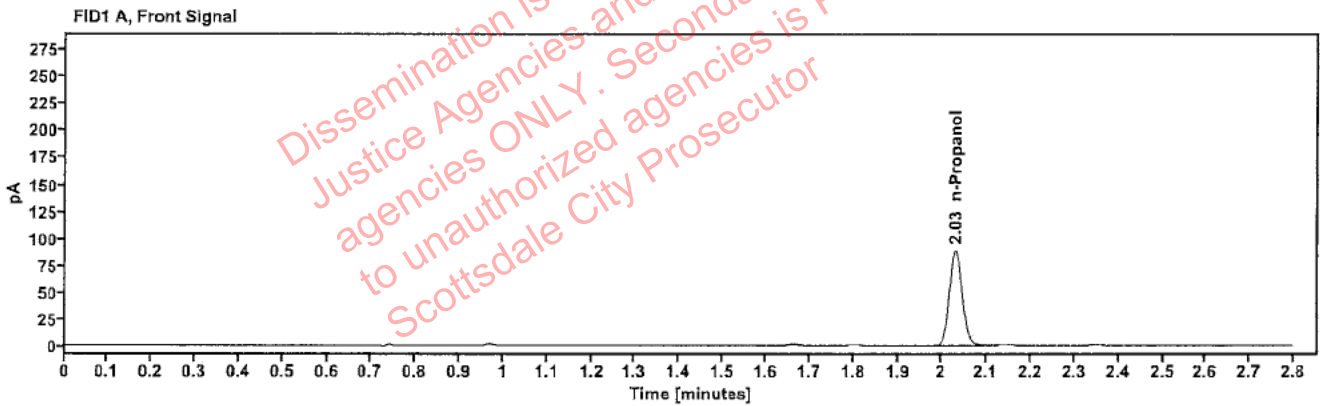


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.030	176.635

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

Compound	Time (min)	Peak Area
n-Propanol	2.455	191.815

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418249-2	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:25:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\37.D	Analyst:	Abbott

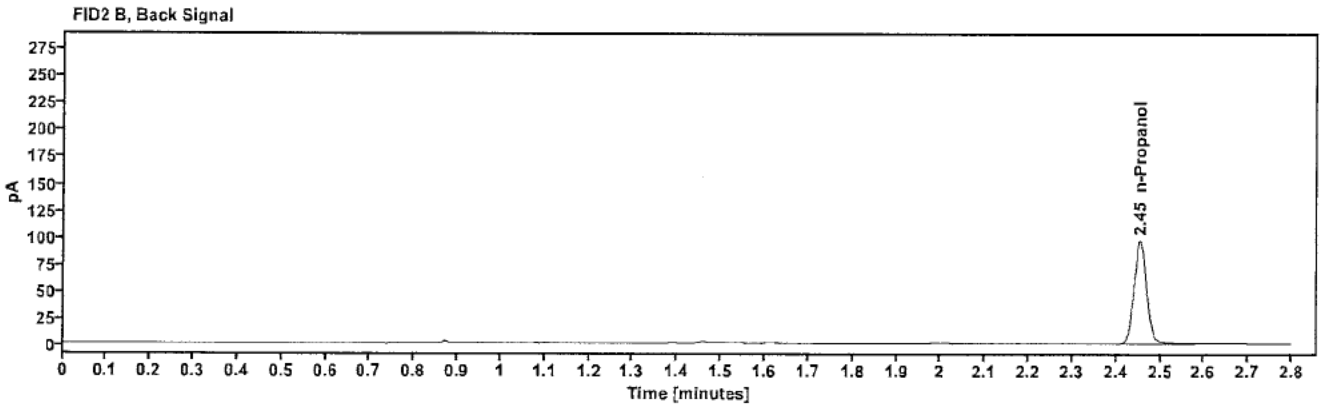
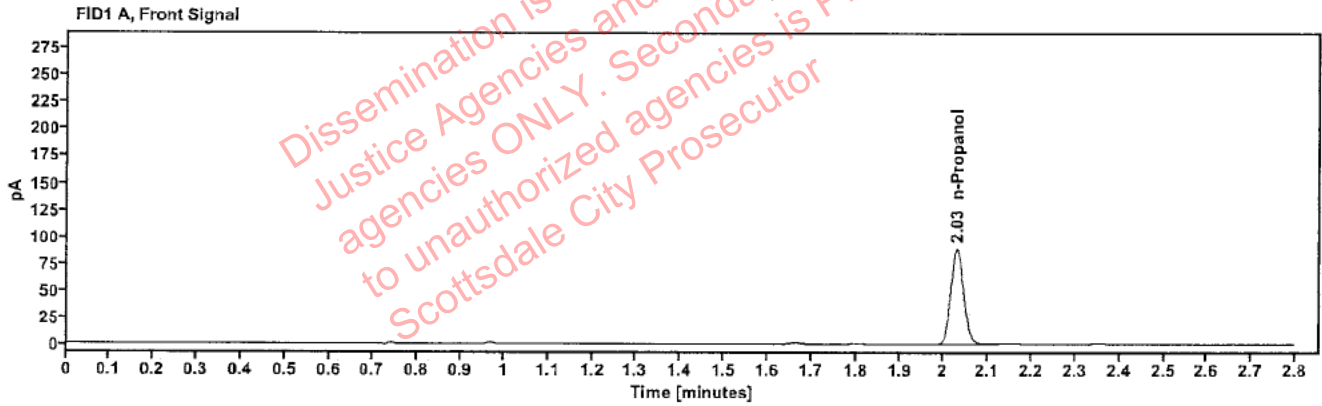


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.029	177.473

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

Compound	Time (min)	Peak Area
n-Propanol	2.454	193.078

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2409065-2	Vial:	38
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:29:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\38.D	Analyst:	Abbott

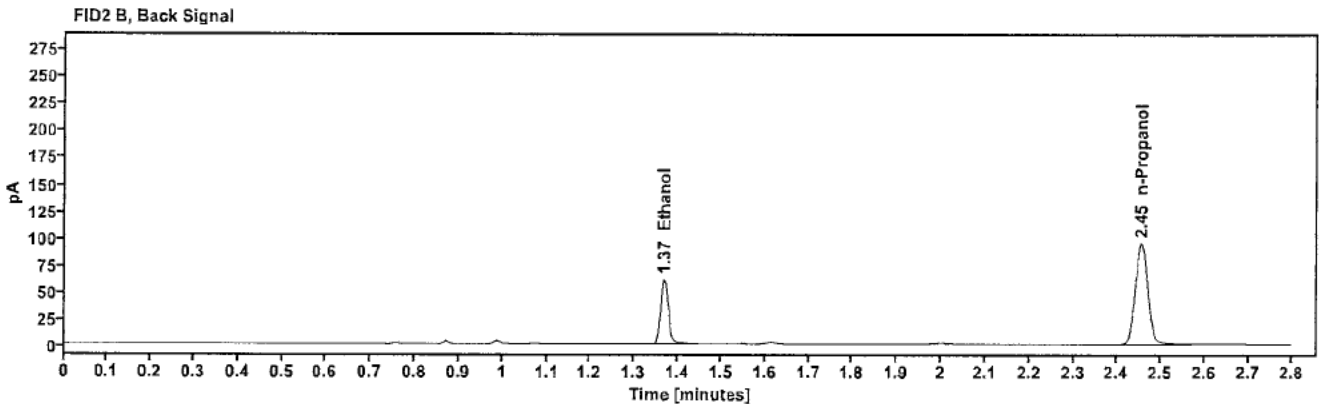
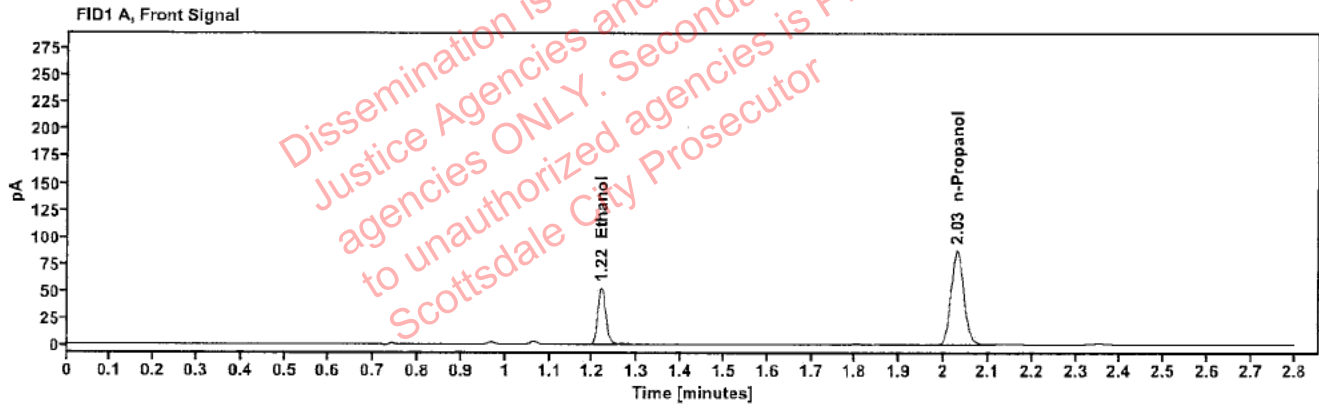


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1093	1.219	66.906
n-Propanol	-----	2.030	175.045

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

Compound	Time (min)	Peak Area
Ethanol	1.368	73.230
n-Propanol	2.454	189.181

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2409065-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:33:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\39.D	Analyst:	Abbott

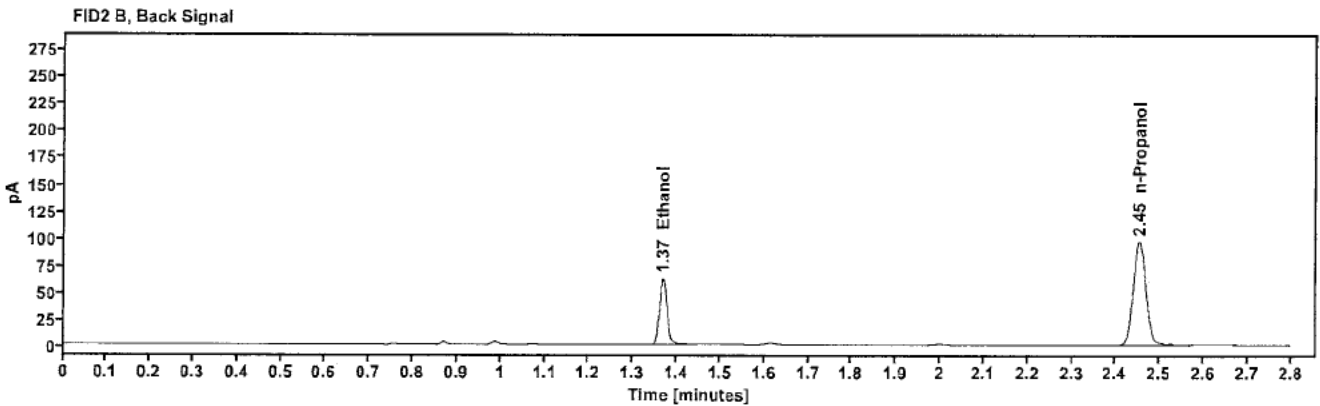
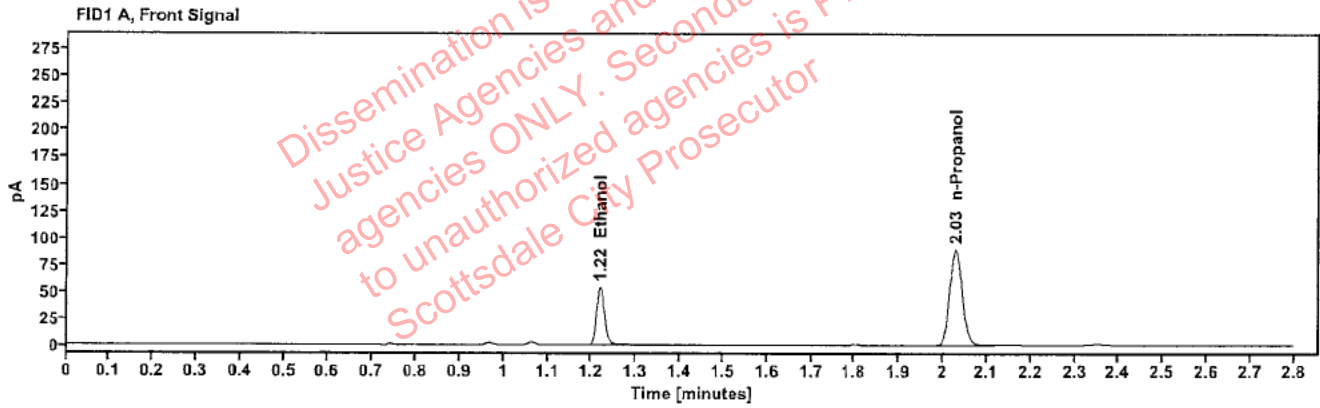


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1099	1.218	68.789
n-Propanol	-----	2.029	178.939

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

Compound	Time (min)	Peak Area
Ethanol	1.367	75.380
n-Propanol	2.453	193.158



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418459-3	Vial:	40
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:37:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\40.D	Analyst:	Abbott

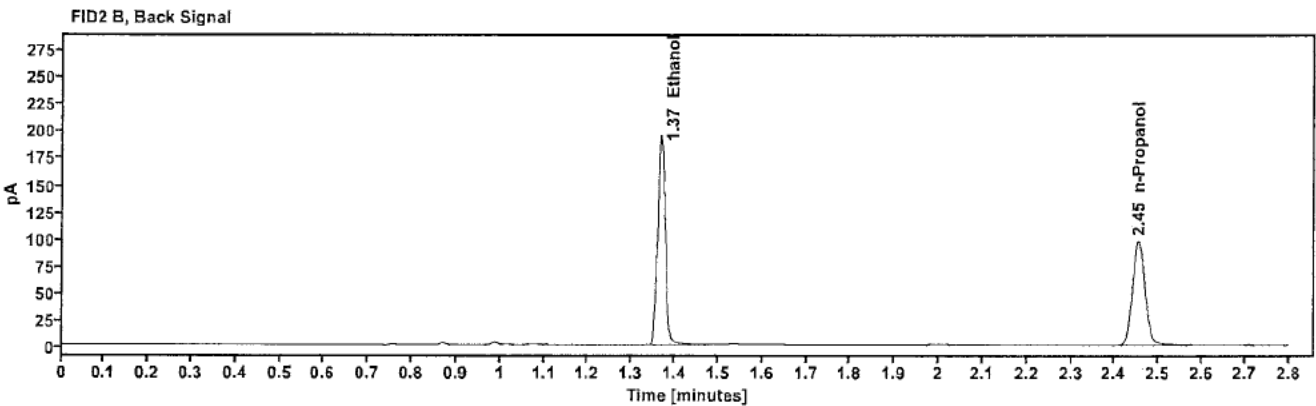
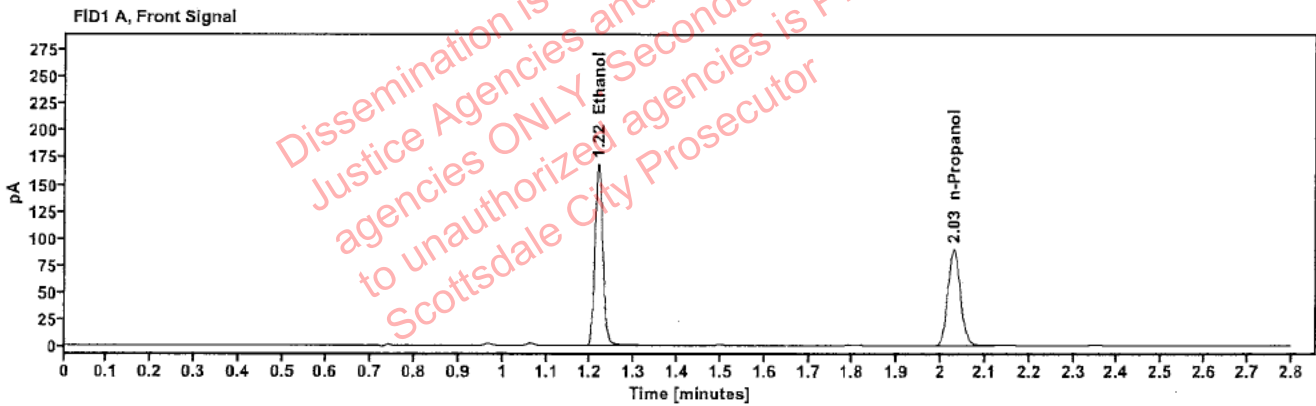


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3398	1.217	214.577
n-Propanol	---	2.029	178.591

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

Compound	Time (min)	Peak Area
Ethanol	1.367	237.238
n-Propanol	2.454	193.318

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2418459-3	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Sep24
Instrument:	US14173023 CN14160045	Injection date:	9/17/2024 5:41:34 PM
Data file:	C:\Chem32\1\Data\17Sep24\41.D	Analyst:	Abbott

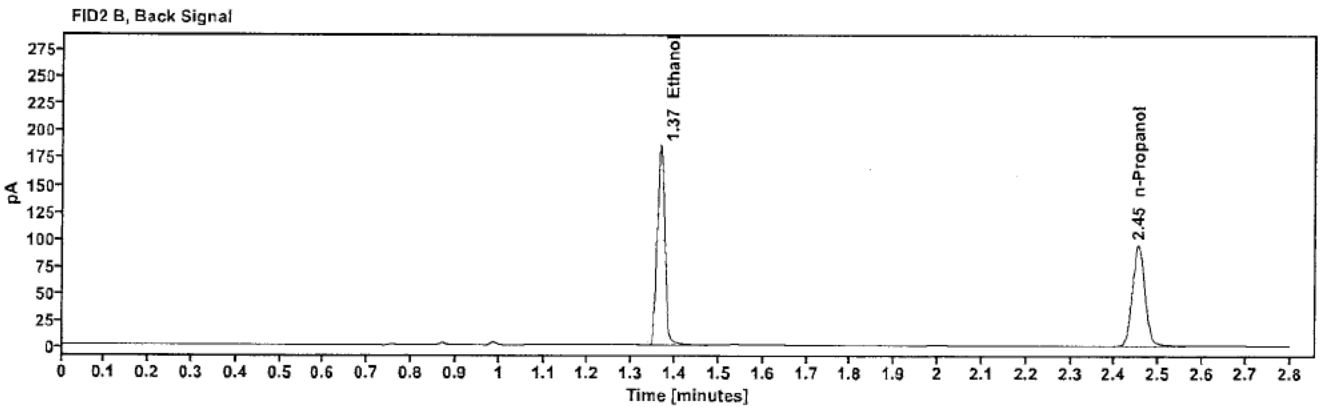
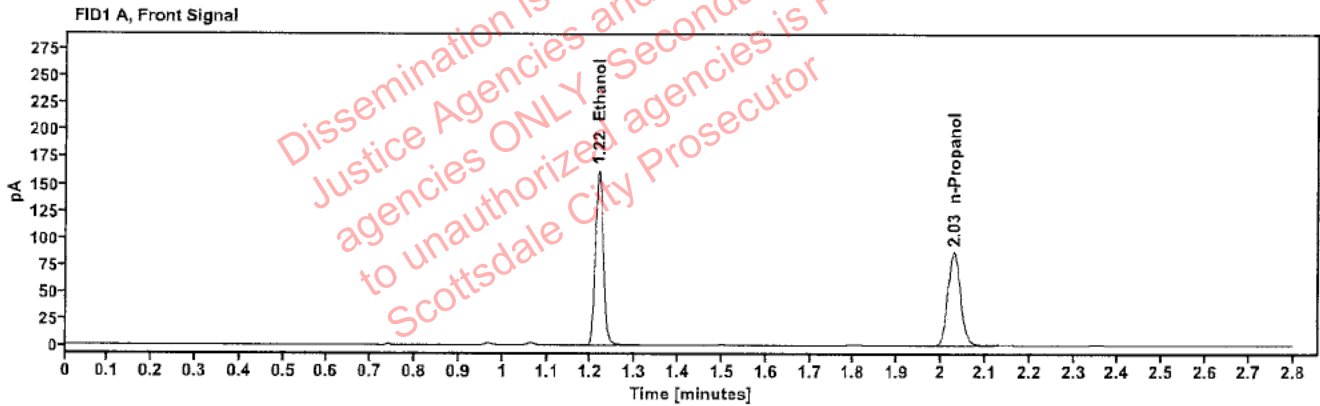


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3364	1.217	205.479
n-Propanol	---	2.029	172.762

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

Compound	Time (min)	Peak Area
Ethanol	1.366	226.886
n-Propanol	2.453	186.888