

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 9/13/23 SEQUENCE NAME 13Sep23

**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 FN11172002 0.99978  
 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 mix	6 compounds	6 compounds	SPD Lab 050721MIX
7	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.038 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	0.078 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.078 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.199 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD Lab 060223AQ

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

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

Run valid  Run invalid  Philip B... Analyst  
 Run valid  Run invalid  ... Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

PB

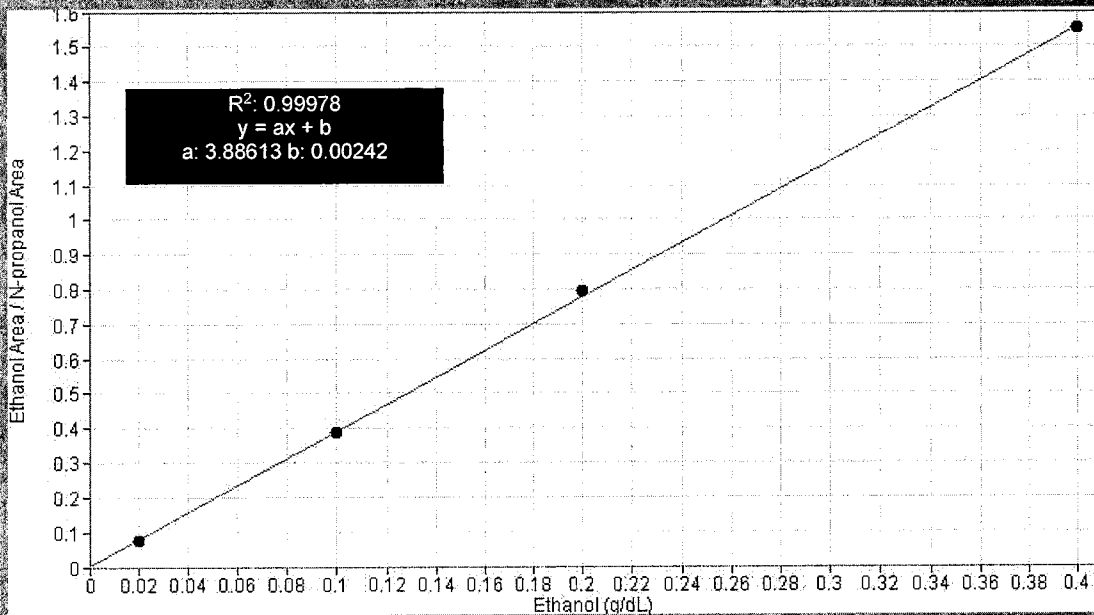
SEQUENCE NAME: 13Sep23

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823VWB	5	negative	negative	-	-
0.400 30012020-A	7	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.038	0.040	5.00	-0.002
0.199 4110320133/11	9	0.203	0.199	2.01	0.004
0.080 20012020-B	20	0.078	0.080	2.50	-0.002
0.080 20012020-B	31	0.078	0.080	2.50	-0.002
0.400 30012020-A	42	0.398	0.400	0.50	-0.002
0.040 14082019-B	43	0.039	0.040	2.50	-0.001
0.199 4110320133/11	44	0.199	0.199	0.00	0.000
blank 060223AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.192	159.302	0.077
0.100	60.237	155.961	0.386
0.200	130.004	163.789	0.794
0.400	237.320	152.989	1.551

**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>	13Sep23
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	9/13/2023 10:33:00 AM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Brooke <span style="float: right;">PB</span>
<b>Data file:</b>	C:\Chem32\1\Data\13Sep23\1.D		

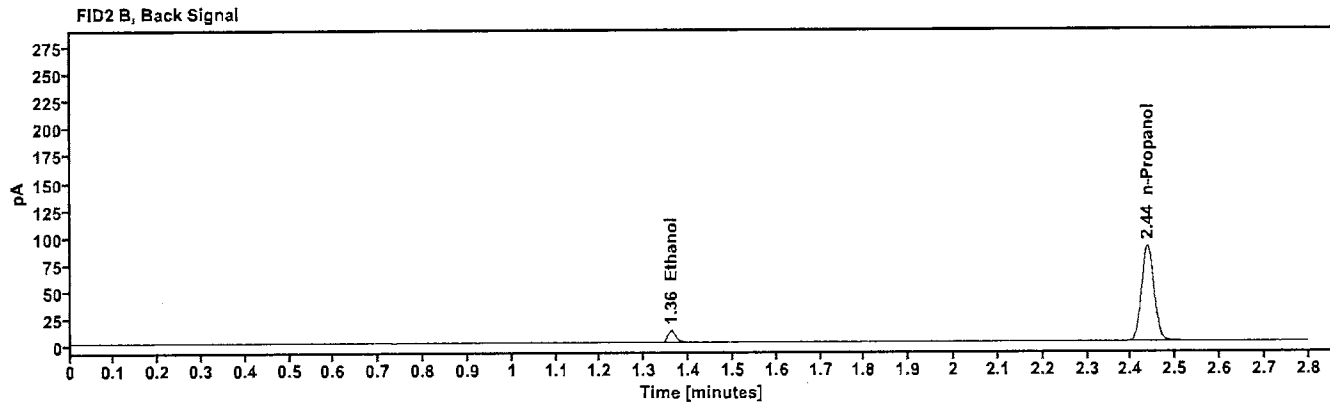
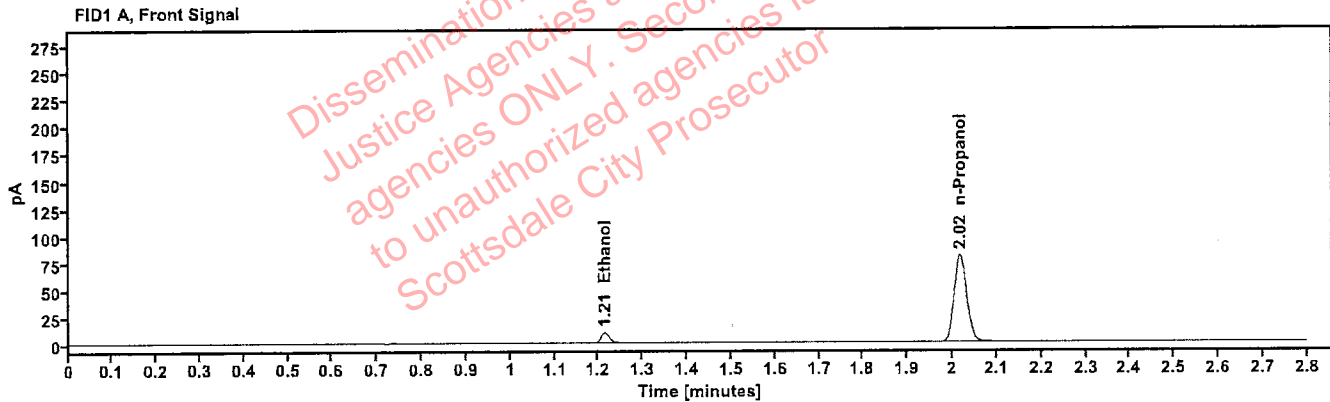


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.214	12.192
n-Propanol	2.017	159.302

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

Compound	Time (min)	Peak Area
Ethanol	1.360	13.351
n-Propanol	2.437	174.004

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN11172002	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 13Sep23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/13/2023 10:37:00 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">PB</span>
<b>Data file:</b> C:\Chem32\1\Data\13Sep23\2.D	

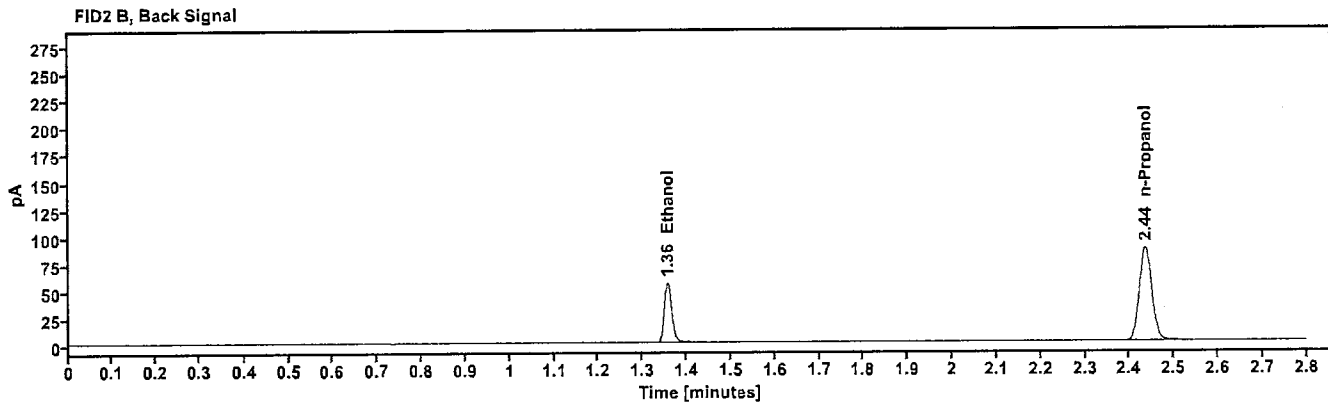
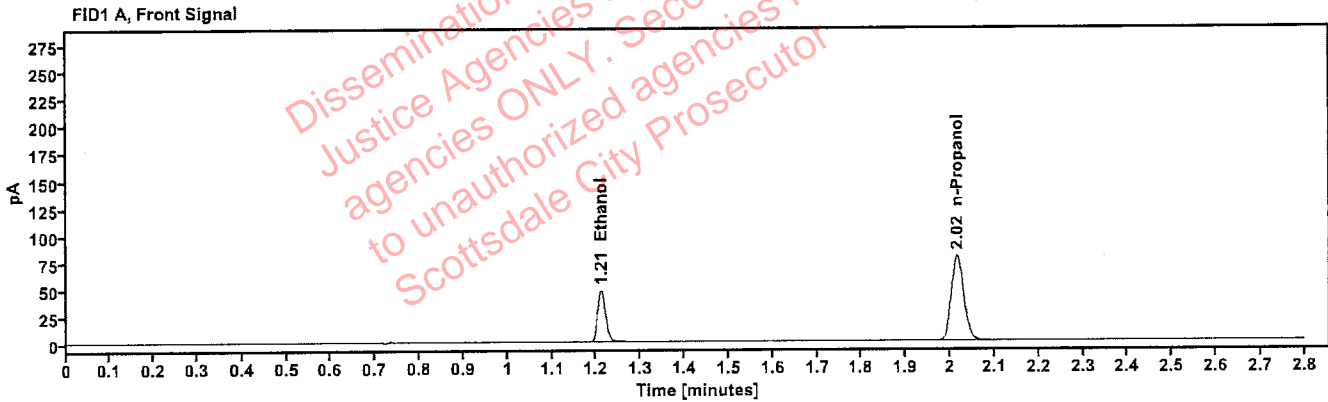


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.237
n-Propanol	2.016	155.961

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

Compound	Time (min)	Peak Area
Ethanol	1.357	66.076
n-Propanol	2.435	170.416

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03132302	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 13Sep23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/13/2023 10:41:00 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">PB</span>
<b>Data file:</b> C:\Chem32\1\Data\13Sep23\3.D	

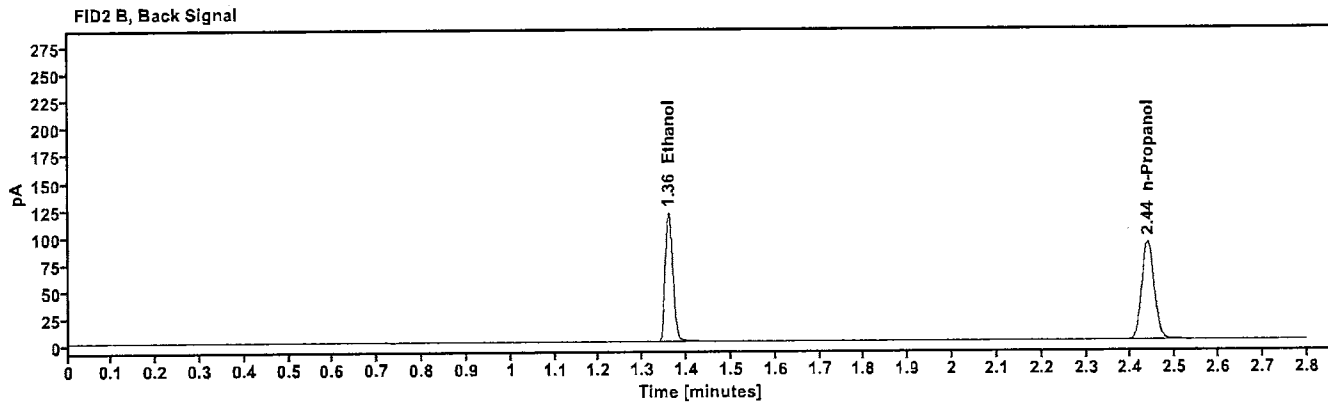
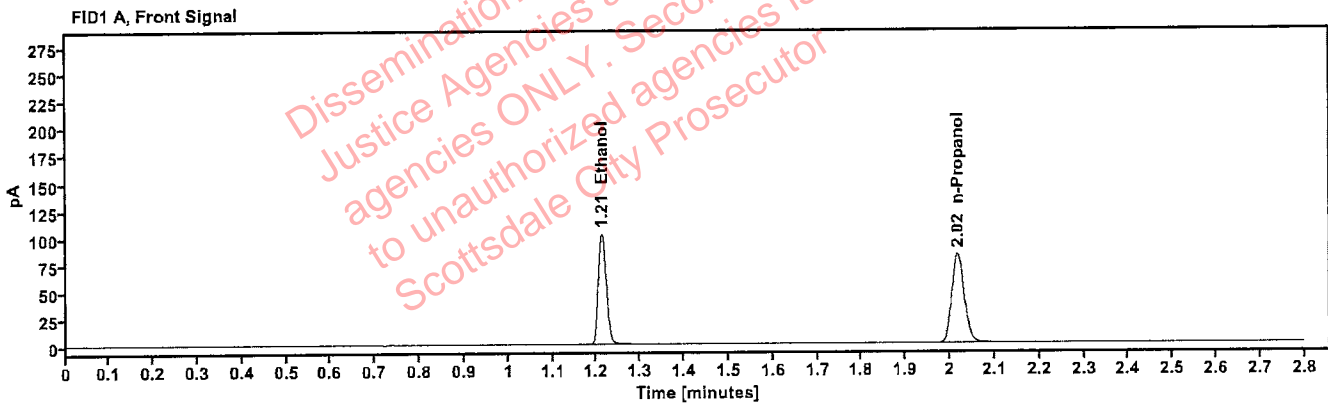


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	130.004
n-Propanol	2.018	163.789

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

Compound	Time (min)	Peak Area
Ethanol	1.360	142.864
n-Propanol	2.438	178.992

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 13Sep23
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 9/13/2023 10:45:01 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">PB</span>
<b>Data file:</b> C:\Chem32\11\Data\13Sep23\4.D	

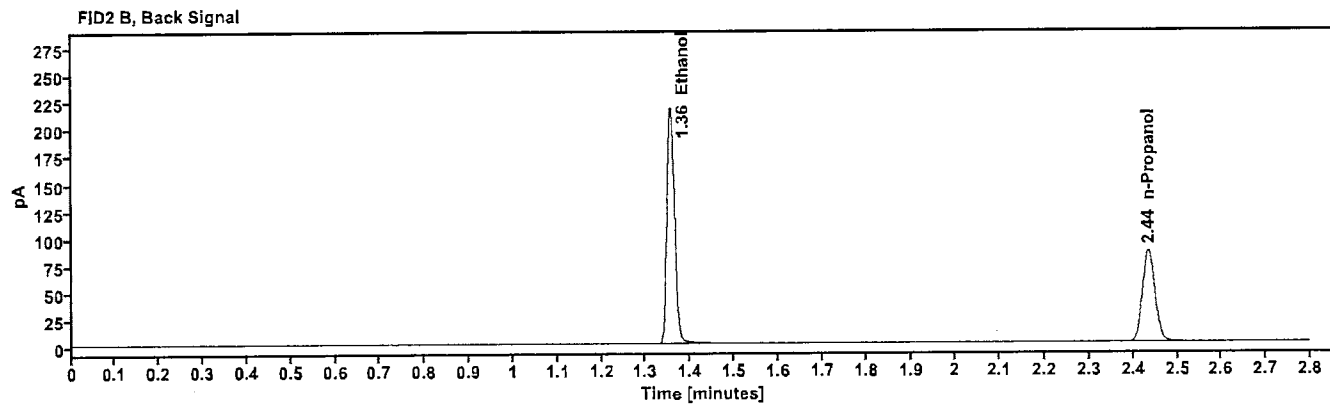
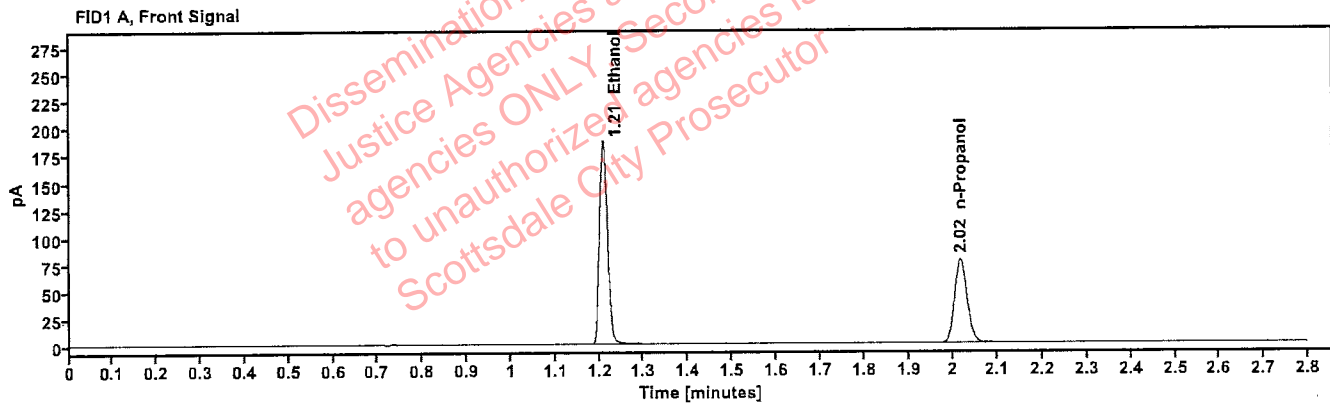


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	237.320
n-Propanol	2.016	152.989

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

Compound	Time (min)	Peak Area
Ethanol	1.356	261.739
n-Propanol	2.435	167.251

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	011823WB	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 10:49:00 AM
Data file:	C:\Chem32\1\Data\13Sep23\5.D	Analyst:	Brooke

PB

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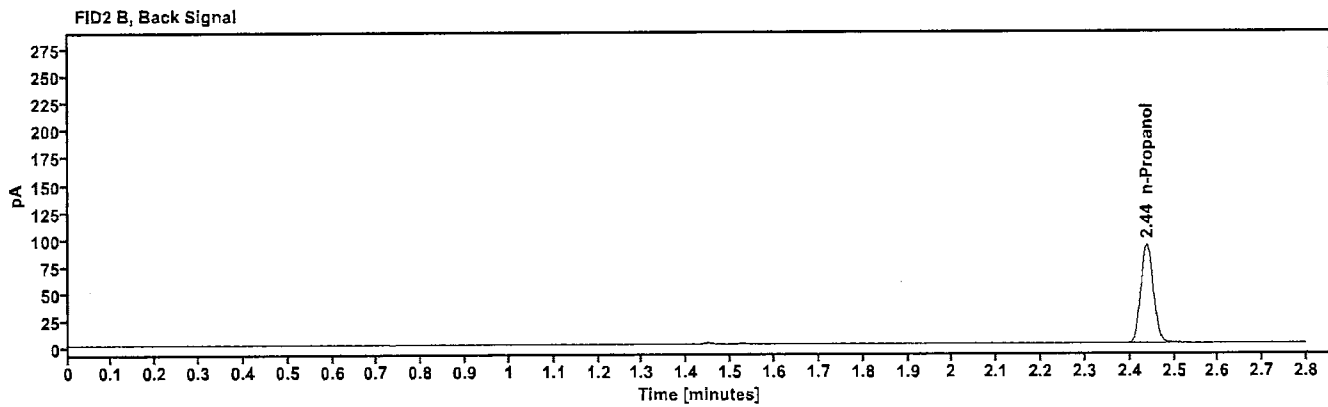
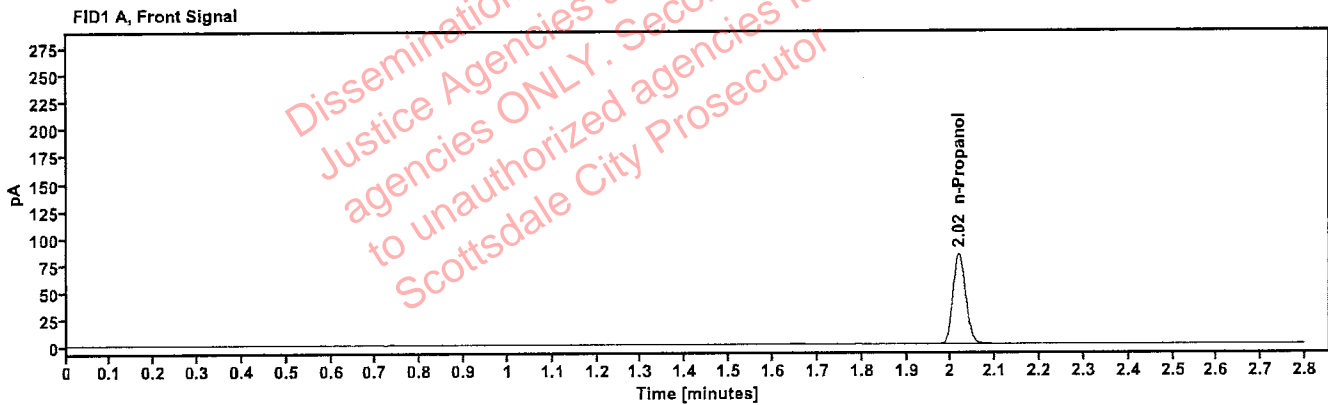


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.018	164.984

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

Compound	Time (min)	Peak Area
n-Propanol	2.438	180.439

# 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> 13Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/13/2023 10:53:00 AM
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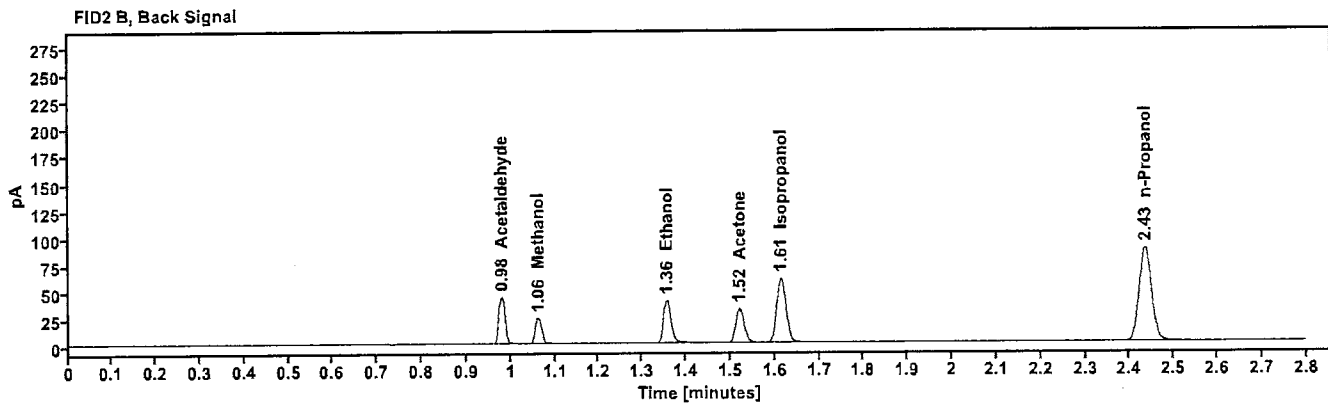
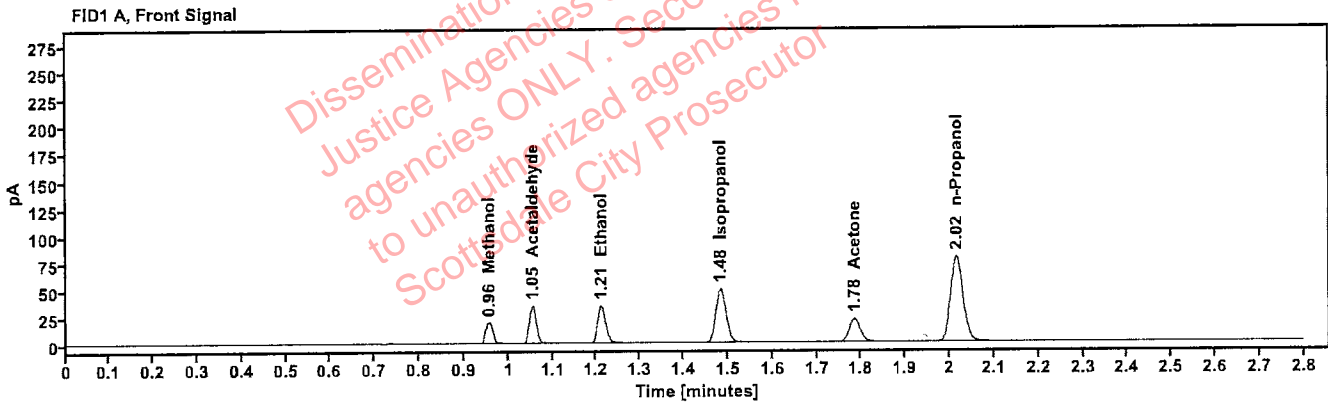


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	22.193
Acetaldehyde	-----	1.055	37.815
>Ethanol	0.0711	1.210	43.698
Isopropanol	-----	1.484	79.446
Acetone	-----	1.784	37.408
n-Propanol	-----	2.016	156.799

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	42.370
Methanol	1.062	24.723
Ethanol	1.357	47.907
Acetone	1.521	41.229
Isopropanol	1.615	88.142
n-Propanol	2.435	171.369



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 30012020-A	<b>Vial:</b> 7
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/13/2023 10:57:16 AM
<b>Data file:</b> C:\Chem32\1\Data\13Sep23\7.D	<b>Analyst:</b> Brooke

PB

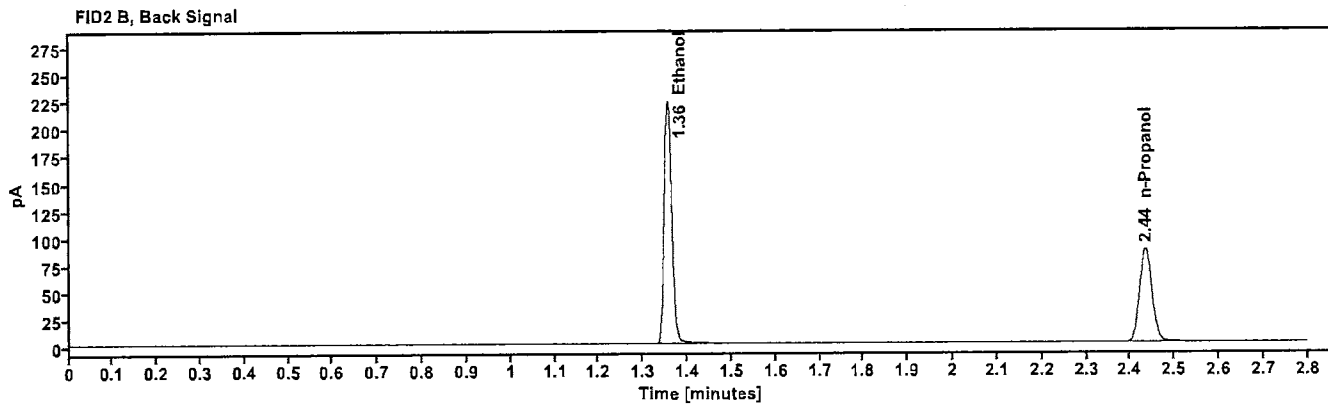
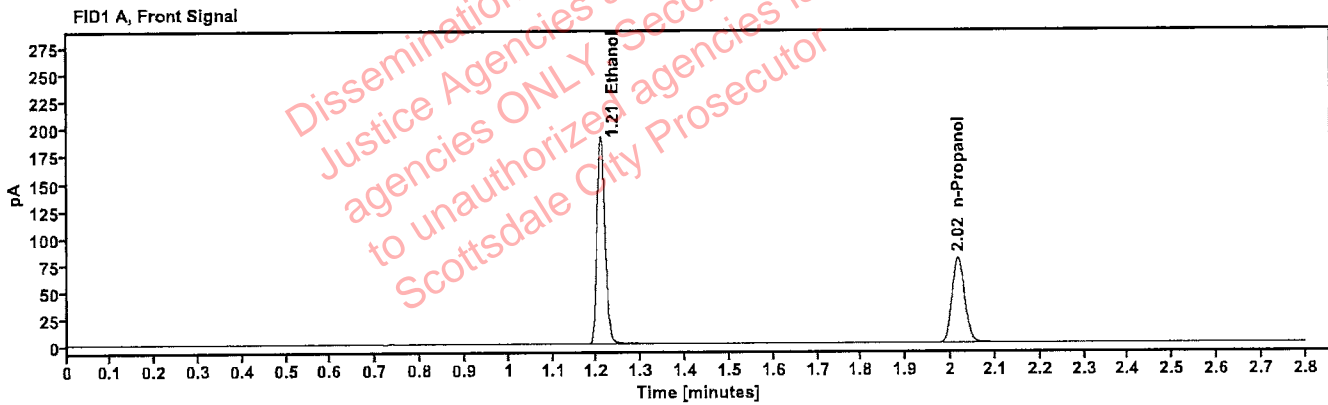


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3987	1.209	242.803
n-Propanol	---	2.016	156.458

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

Compound	Time (min)	Peak Area
Ethanol	1.356	267.547
n-Propanol	2.435	170.886

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	14082019-B	<b>Vial:</b>	8
<b>Description:</b>	0.040	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	13Sep23
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	9/13/2023 11:01:16 AM
<b>Data file:</b>	C:\Chem32\1\Data\13Sep23\8.D	<b>Analyst:</b>	Brooke

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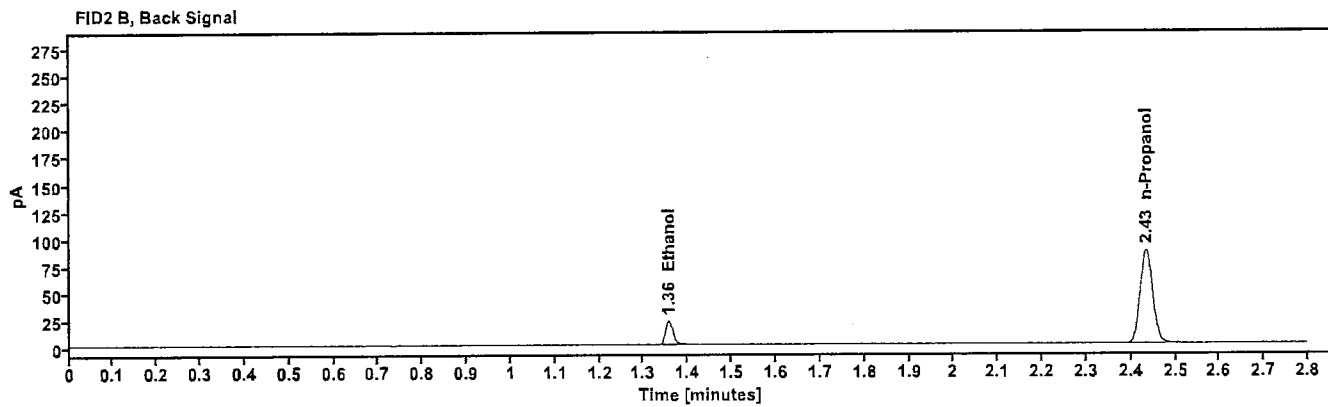
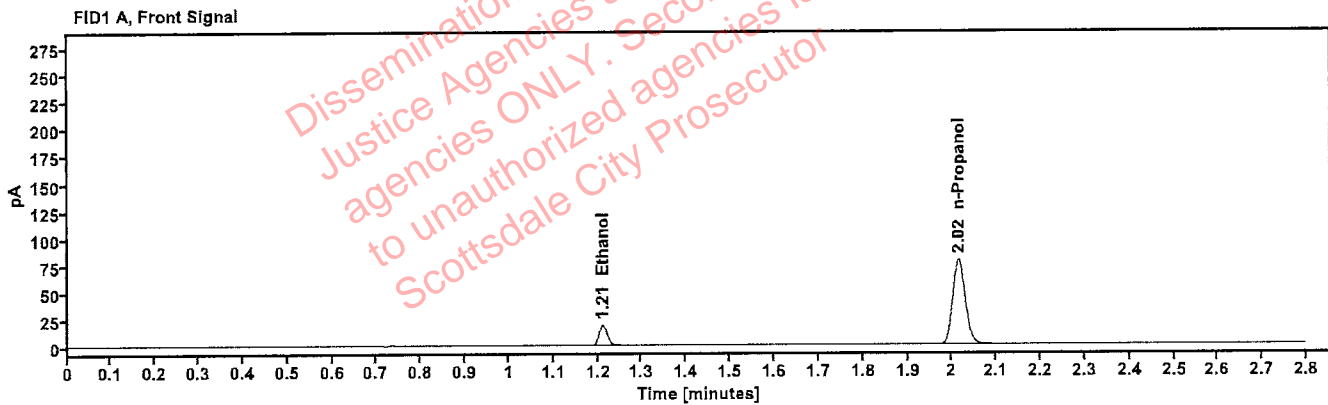


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0389	1.211	23.907
n-Propanol	---	2.015	155.606

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

Compound	Time (min)	Peak Area
Ethanol	1.356	26.197
n-Propanol	2.434	170.192

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4110320133/11	<b>Vial:</b> 9
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/13/2023 11:05:16 AM
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PB

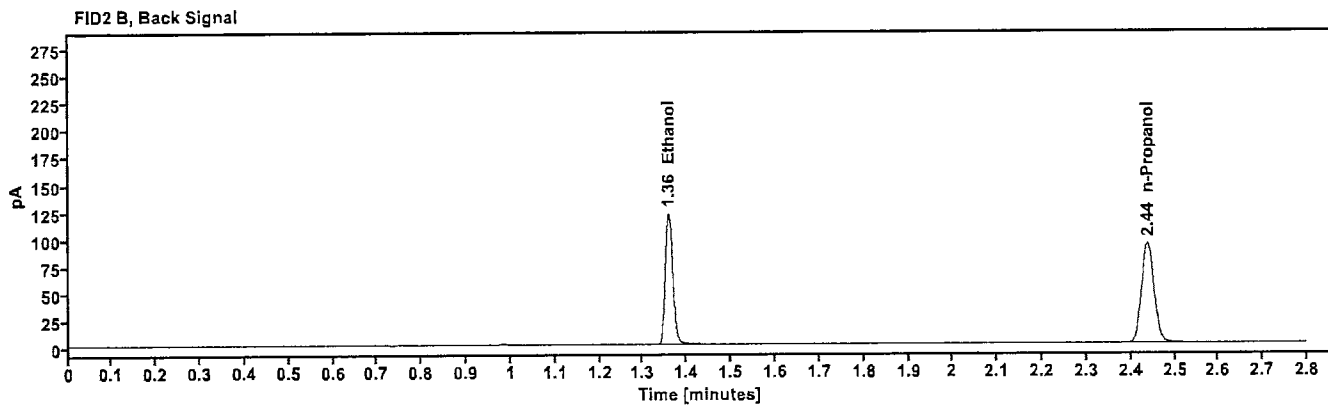
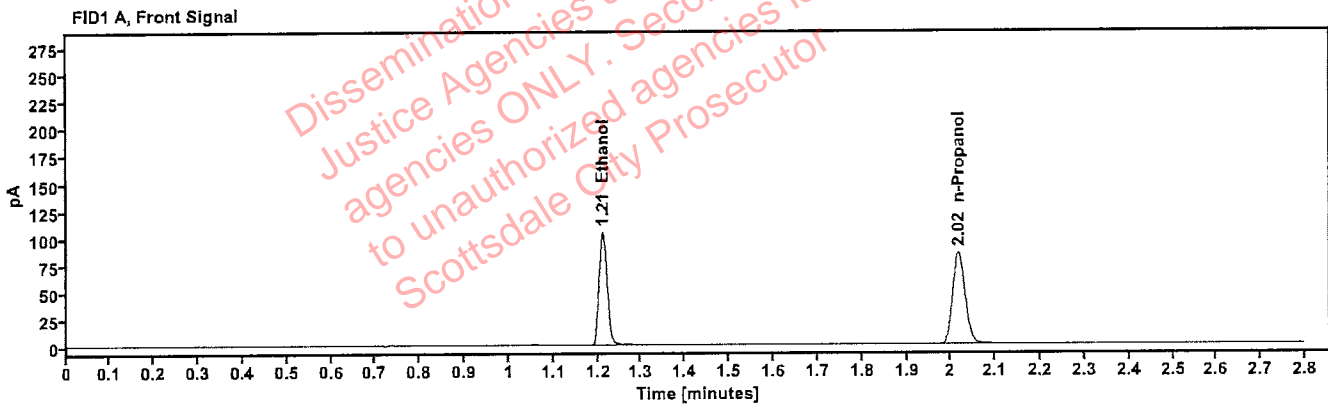


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.212	132.607
n-Propanol	-----	2.018	167.532

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

Compound	Time (min)	Peak Area
Ethanol	1.359	145.737
n-Propanol	2.438	183.111

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 20012020-B	<b>Vial:</b> 20
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/13/2023 11:49:45 AM
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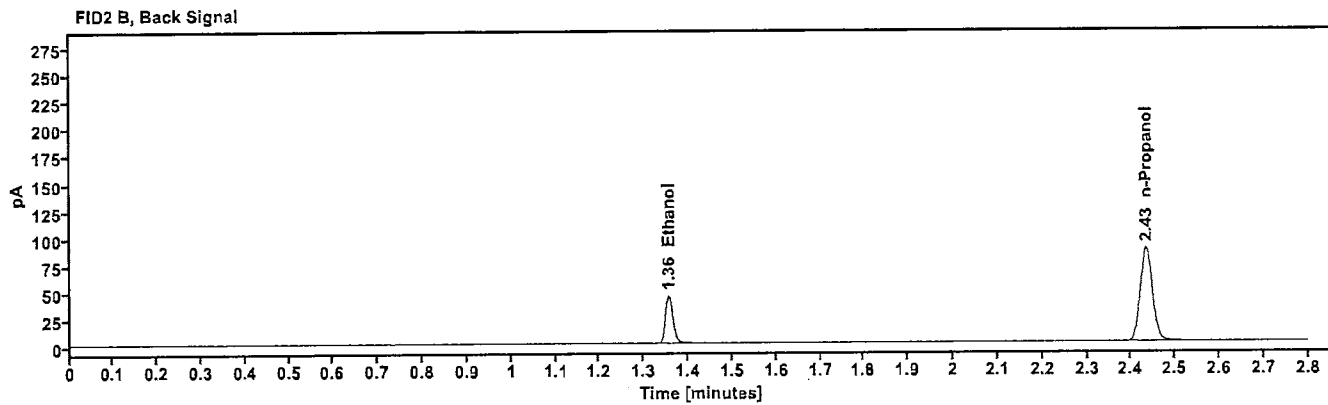
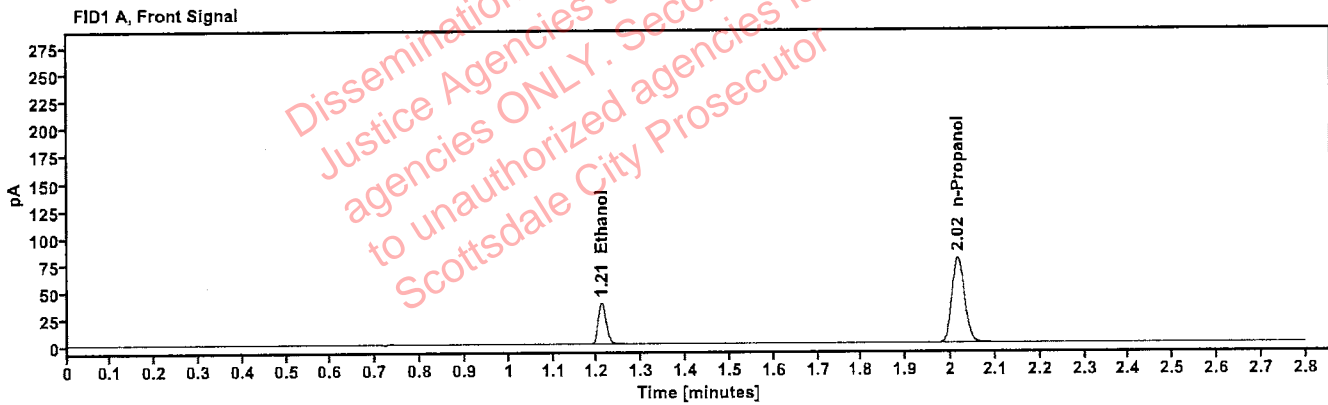


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0786	1.210	48.199
n-Propanol	-----	2.016	156.476

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

Compound	Time (min)	Peak Area
Ethanol	1.356	52.871
n-Propanol	2.435	171.091

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:34:16 PM
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PB

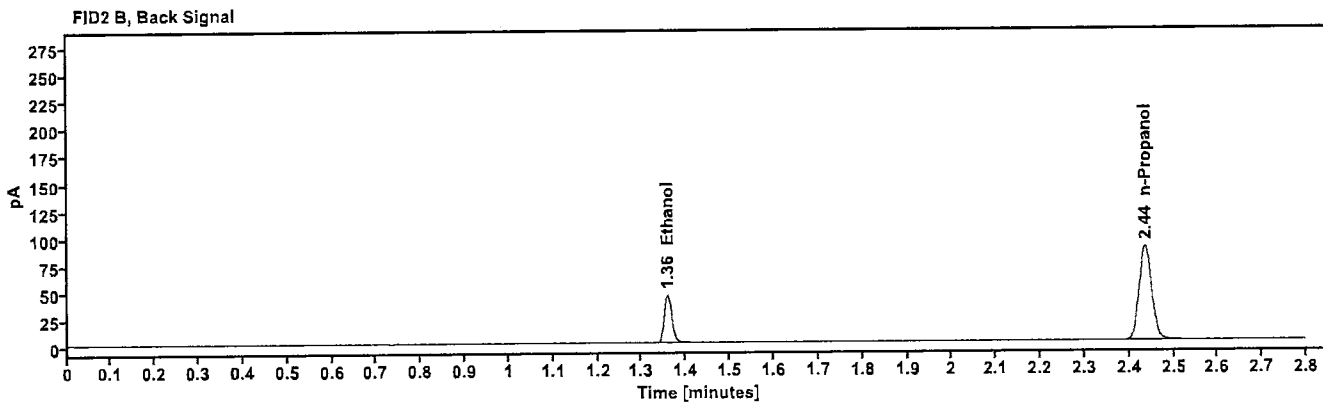
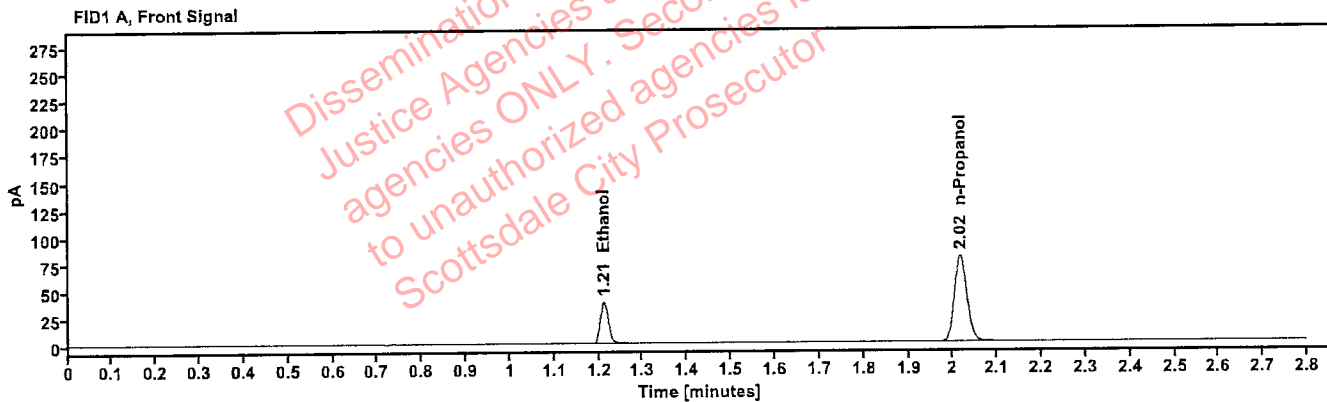


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0789	1.211	48.686
n-Propanol	-----	2.017	157.638

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

Compound	Time (min)	Peak Area
Ethanol	1.358	53.495
n-Propanol	2.437	172.194

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 30012020-A	<b>Vial:</b> 42
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/13/2023 1:18:31 PM
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PB

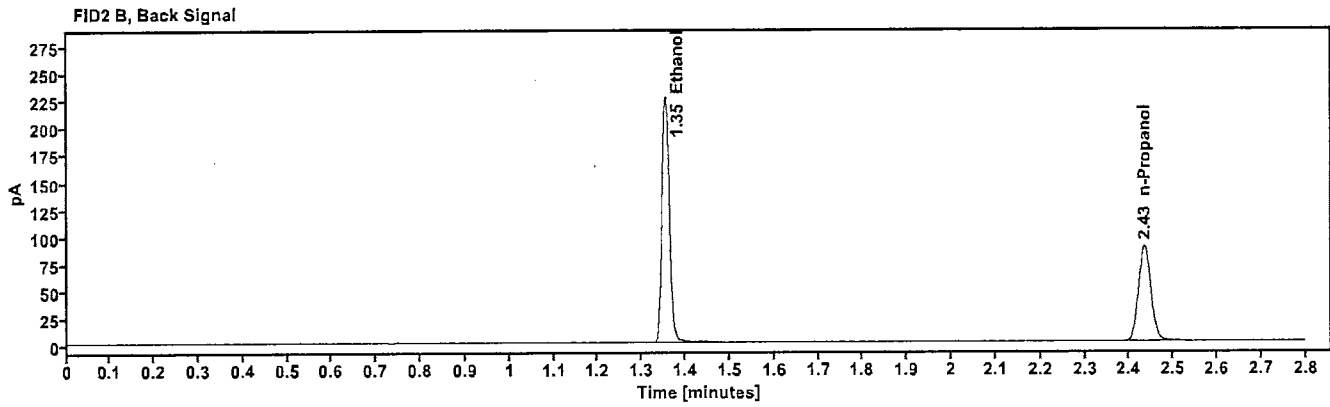
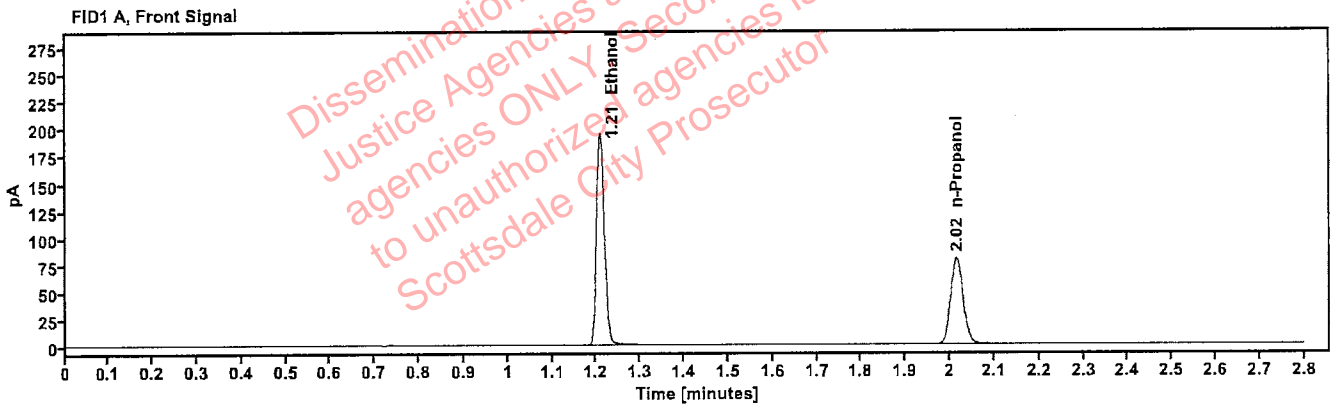


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3989	1.208	246.965
n-Propanol	-----	2.015	159.057

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

Compound	Time (min)	Peak Area
Ethanol	1.355	272.578
n-Propanol	2.434	174.056

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 43
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/13/2023 1:22:46 PM
<b>Data file:</b> C:\Chem32\1\Data\13Sep23\43.D	<b>Analyst:</b> Brooke <span style="float: right;">PB</span>

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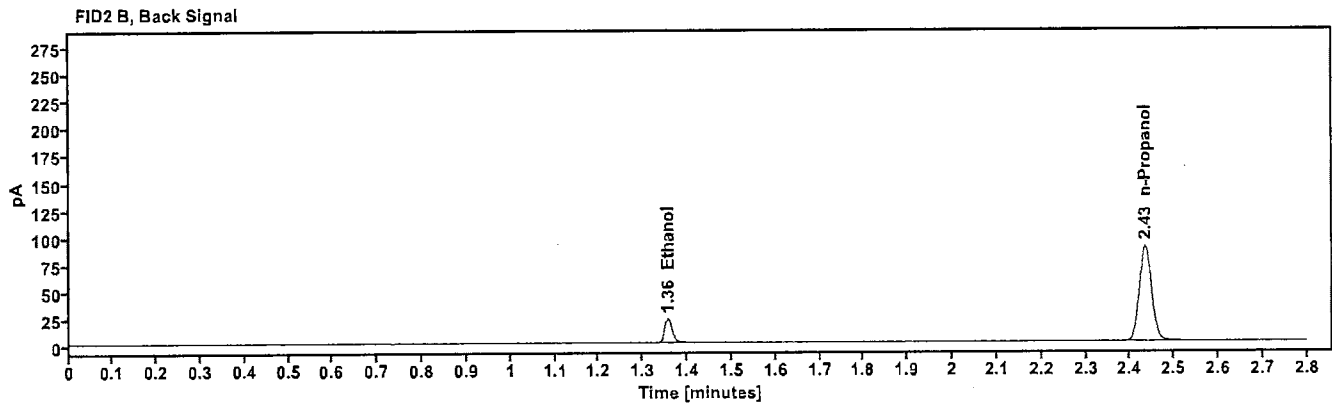
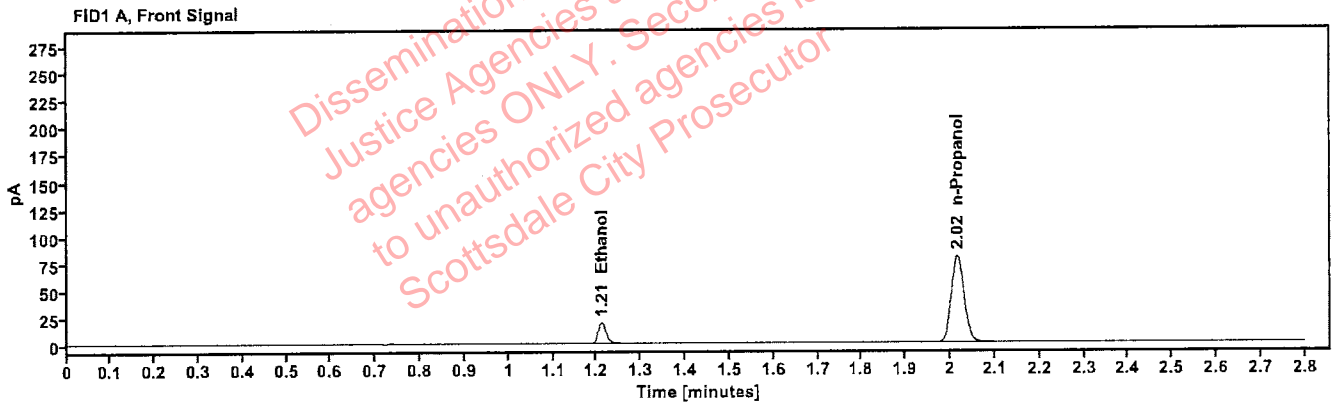


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0391	1.211	24.554
n-Propanol	-----	2.016	159.073

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

Compound	Time (min)	Peak Area
Ethanol	1.356	26.921
n-Propanol	2.434	174.059

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 1:26:46 PM
Data file: C:\Chem32\11\Data\13Sep23\44.D	Analyst: Brooke <span style="float: right;">PB</span>

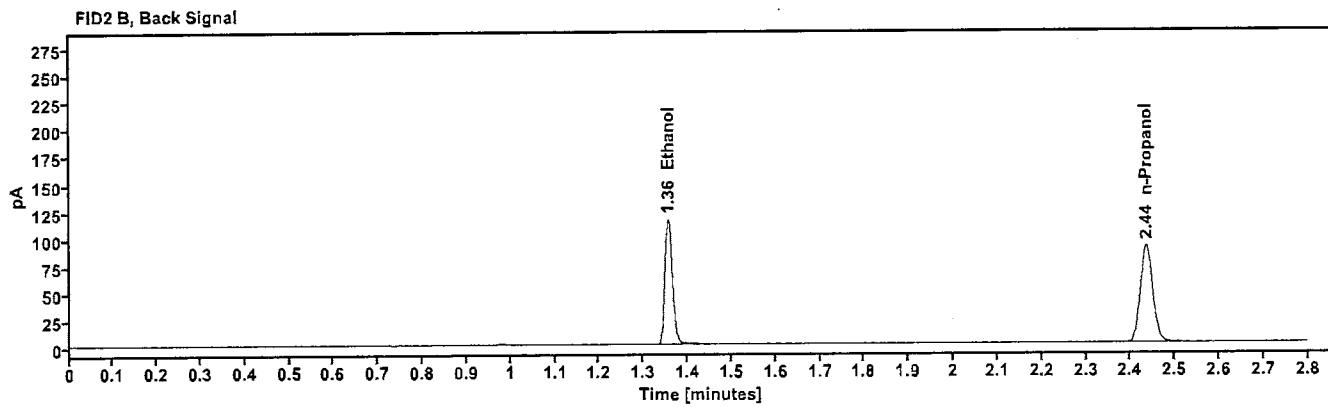
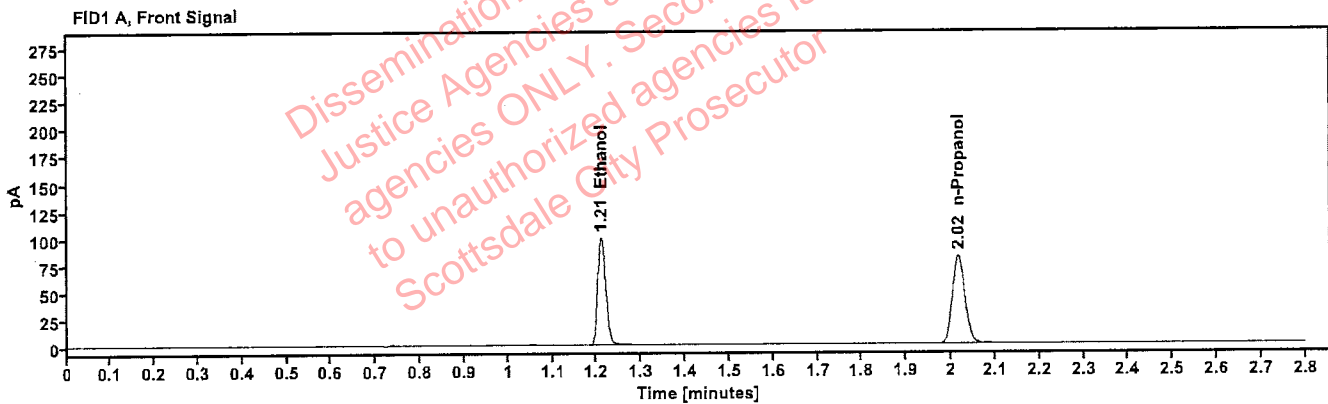


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1994	1.210	125.587
n-Propanol	-----	2.016	161.581

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

Compound	Time (min)	Peak Area
Ethanol	1.356	137.936
n-Propanol	2.436	176.652



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 060223AQ	<b>Vial:</b> 45
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 13Sep23
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 9/13/2023 1:30:46 PM
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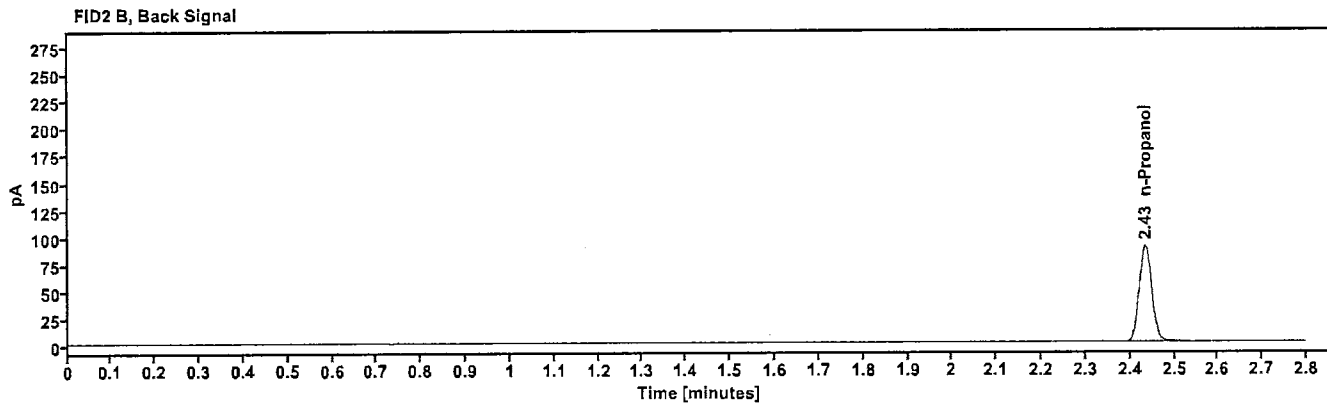
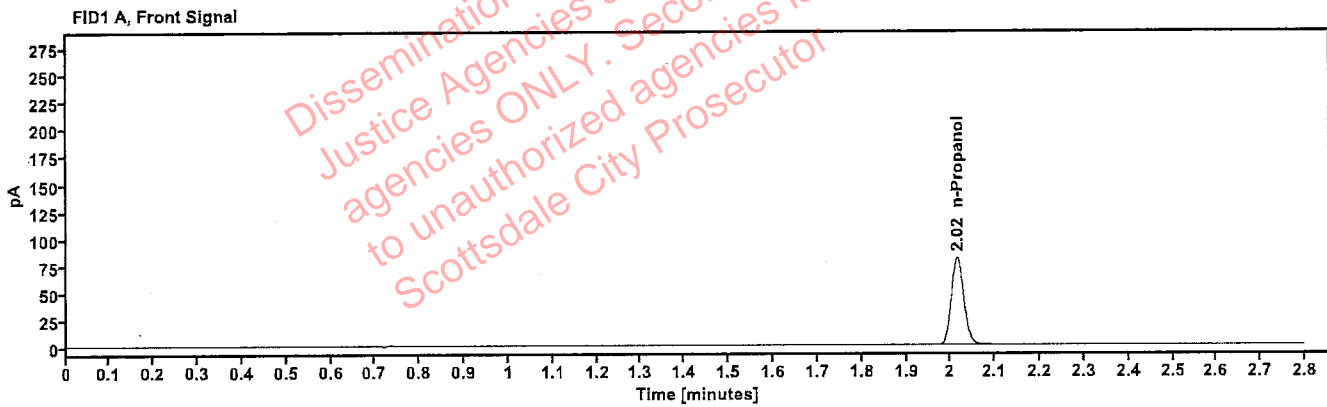


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.015	160.254

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

Compound	Time (min)	Peak Area
n-Propanol	2.434	175.111

# Sequence Summary

Sequence name: 13Sep23      Instrument: US14173023 CN14160045      Analyst: Brooke

PB

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN11172002	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	2316976-2		Sample		ethanol quant.M
11	2316976-2		Sample		ethanol quant.M
12	2318101-3		Sample		ethanol quant.M
13	2318101-3		Sample		ethanol quant.M
14	2318179-2		Sample		ethanol quant.M
15	2318179-2		Sample		ethanol quant.M
16	2317038-1		Sample		ethanol quant.M
17	2317038-1		Sample		ethanol quant.M
18	2318265-2		Sample		ethanol quant.M
19	2318265-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2318475-2		Sample		ethanol quant.M
22	2318475-2		Sample		ethanol quant.M
23	2318482-1		Sample		ethanol quant.M
24	2318482-1		Sample		ethanol quant.M
25	2318259-1		Sample		ethanol quant.M
26	2318259-1		Sample		ethanol quant.M
27	2318335-2		Sample		ethanol quant.M
28	2318335-2		Sample		ethanol quant.M
29	2318358-2		Sample		ethanol quant.M
30	2318358-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2318264-2		Sample		ethanol quant.M
33	2318264-2		Sample		ethanol quant.M
34	2318350-1		Sample		ethanol quant.M
35	2318350-1		Sample		ethanol quant.M
36	2318429-2		Sample		ethanol quant.M
37	2318429-2		Sample		ethanol quant.M
38	2318426-2		Sample		ethanol quant.M
39	2318426-2		Sample		ethanol quant.M
40	2309746-2		Sample		ethanol quant.M
41	2309746-2		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/11	0.199	Control		ethanol quant.M
45	060223AQ	Negative	Control		ethanol quant.M

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 Scottsdale City Prosecutor

# Scottsdale Police Department Crime Laboratory Summary of Cases

PB

SEQUENCE NAME: 13Sep23

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1949	0.1964	0.19565	0.38	0.00075
12 13	0.1422	0.1420	0.14210	0.07	0.00010
14 15	0.2099	0.2083	0.20910	0.38	0.00080
16 17	0.1912	0.1921	0.19165	0.23	0.00045
18 19	0.1428	0.1443	0.14355	0.52	0.00075
21 22	0.0503	0.0498	0.05005	0.50	0.00025
23 24	0.2247	0.2236	0.22415	0.25	0.00055
25 26	0.1516	0.1499	0.15075	0.56	0.00085
27 28	0.1539	0.1528	0.15335	0.36	0.00055
29 30	0.1195	0.1208	0.12015	0.54	0.00065
32 33	0.1071	0.1073	0.10720	0.09	0.00010
34 35	0.2045	0.2041	0.20430	0.10	0.00020
36 37	0.2567	0.2562	0.25645	0.10	0.00025
38 39	0.1064	0.1056	0.10600	0.38	0.00040
40 41	0.1981	0.1990	0.19855	0.23	0.00045

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2316976-2	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:09:16 AM
Data file:	C:\Chem32\1\Data\13Sep23\10.D	Analyst:	Brooke

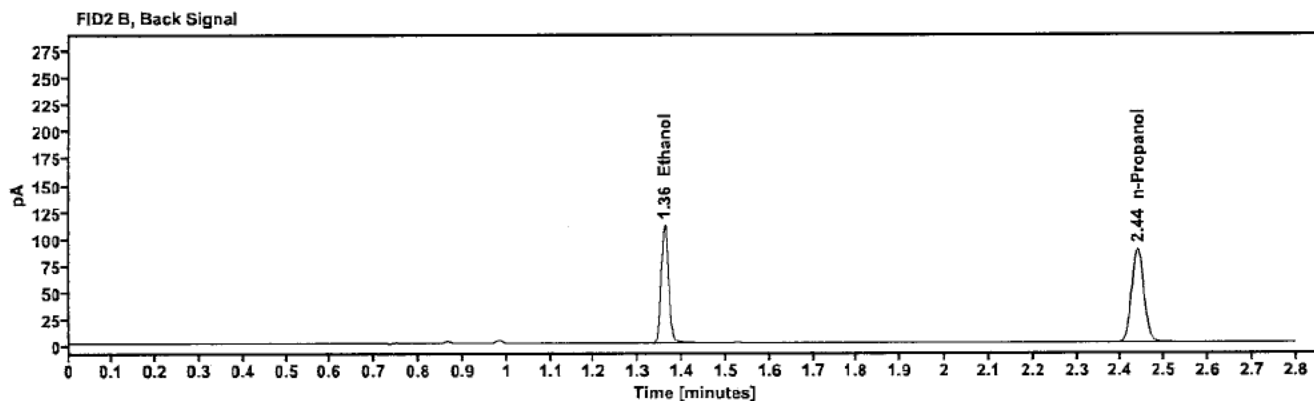
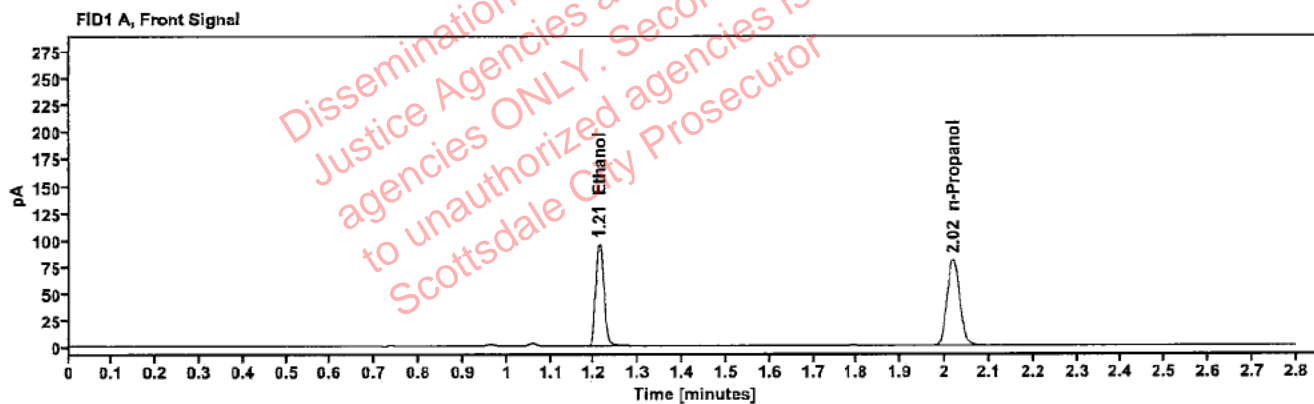


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1949	1.212	121.202
n-Propanol	---	2.018	159.487

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

Compound	Time (min)	Peak Area
Ethanol	1.359	133.195
n-Propanol	2.438	174.372

Brooke, Phillip - (13-Sep-2023)

Case: User: pbrooke 9/13/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2316976-2	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:13:16 AM
Data file:	C:\Chem32\1\Data\13Sep23\11.D	Analyst:	Brooke

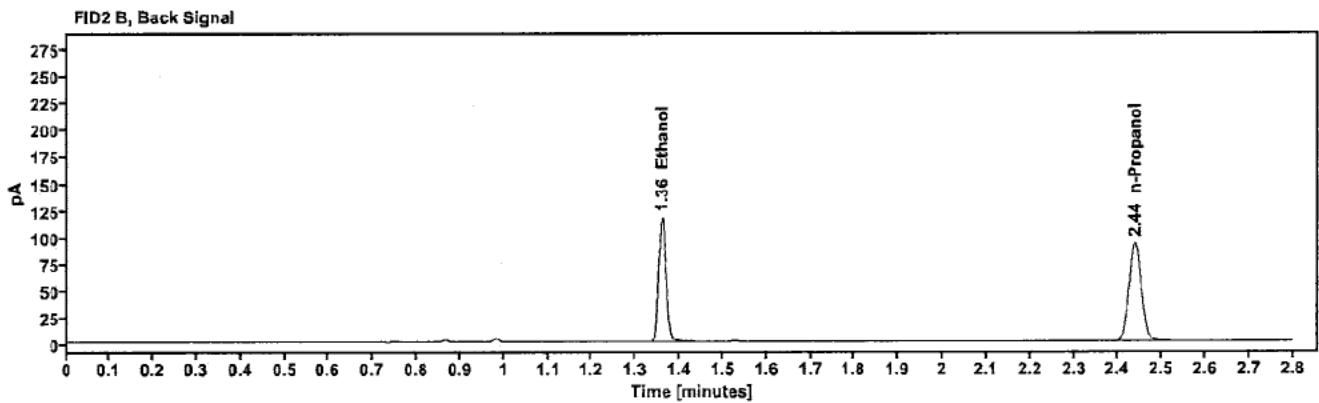
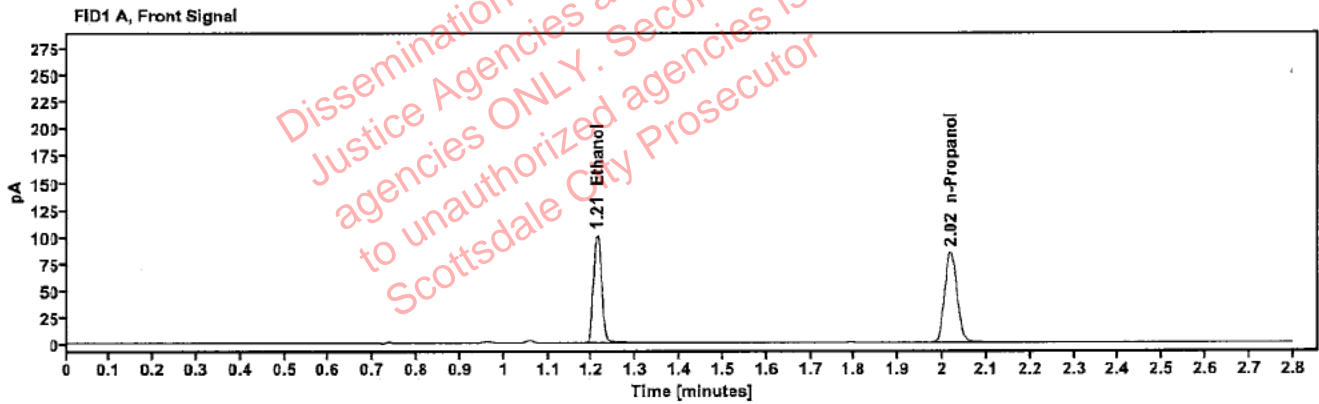


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1964	1.212	127.842
n-Propanol	---	2.018	166.935

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

Compound	Time (min)	Peak Area
Ethanol	1.359	140.439
n-Propanol	2.438	182.498

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318101-3	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:17:15 AM
Data file:	C:\Chem32\1\Data\13Sep23\12.D	Analyst:	Brooke

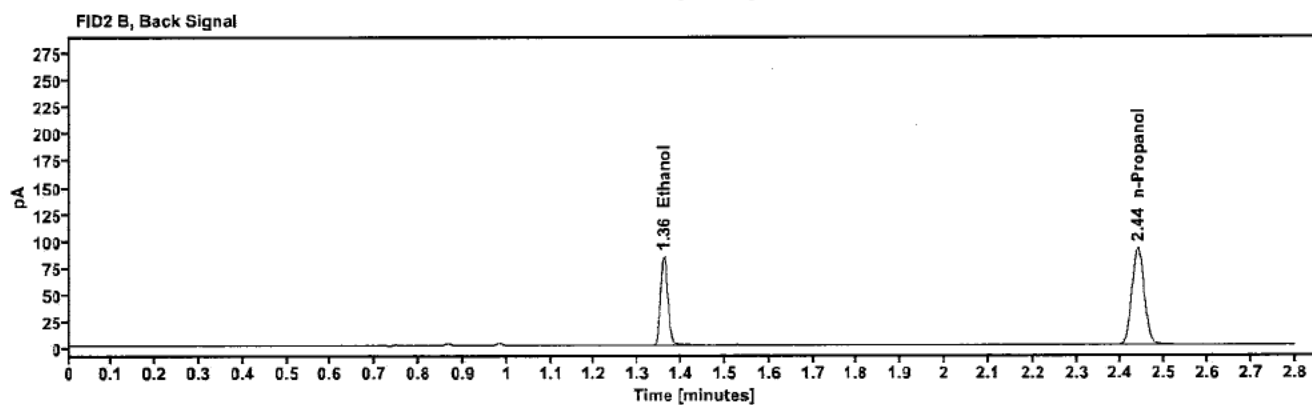
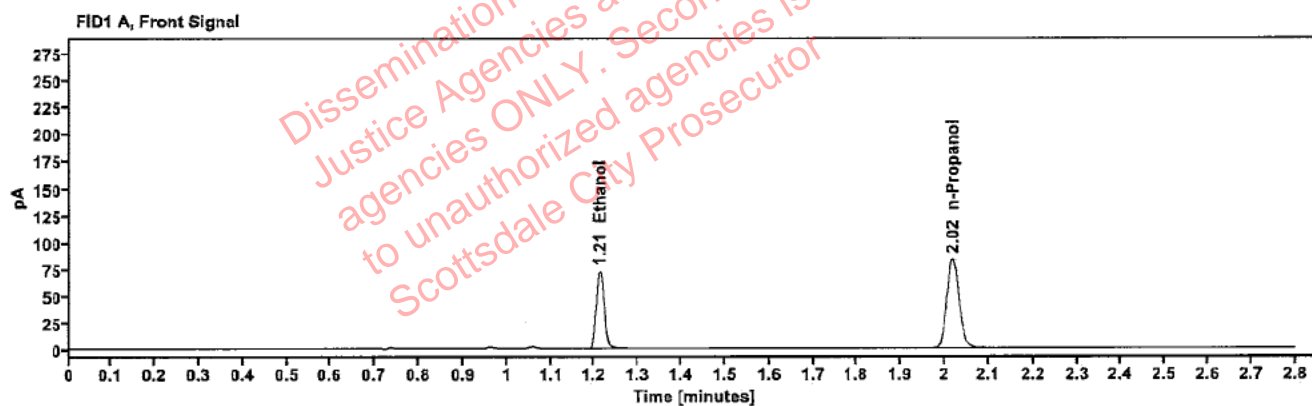


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1422	1.212	91.584
n-Propanol	---	2.018	165.049

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

Compound	Time (min)	Peak Area
Ethanol	1.360	100.430
n-Propanol	2.438	180.287

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318101-3	Vial:	13
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:21:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\13.D	Analyst:	Brooke

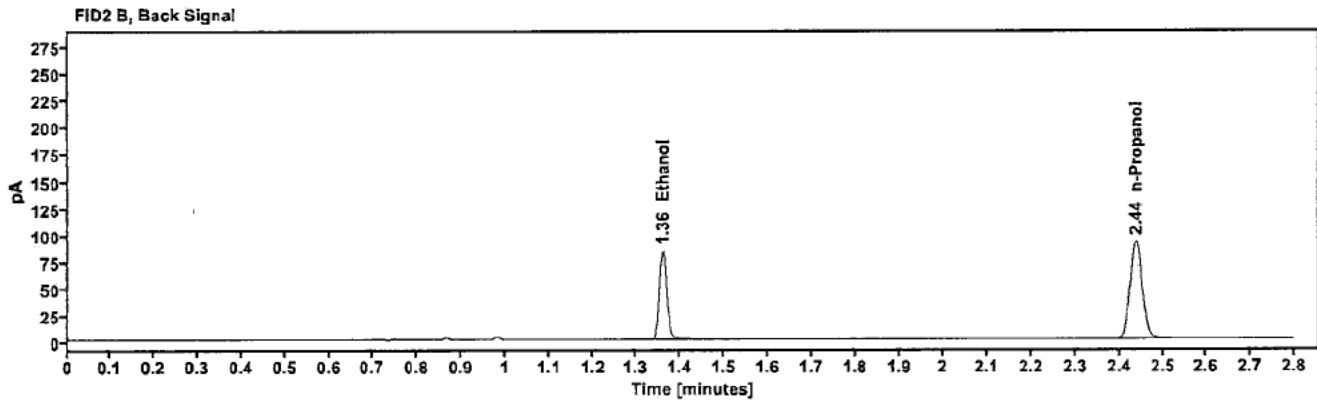
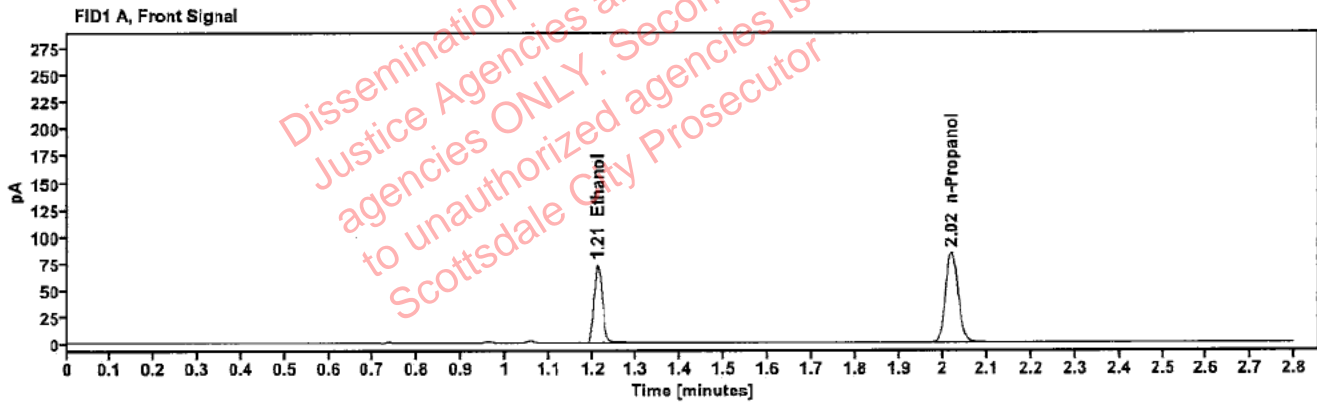


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1420	1.212	92.051
n-Propanol	---	2.018	166.026

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

Compound	Time (min)	Peak Area
Ethanol	1.360	100.831
n-Propanol	2.438	181.248



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318179-2	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:25:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\14.D	Analyst:	Brooke

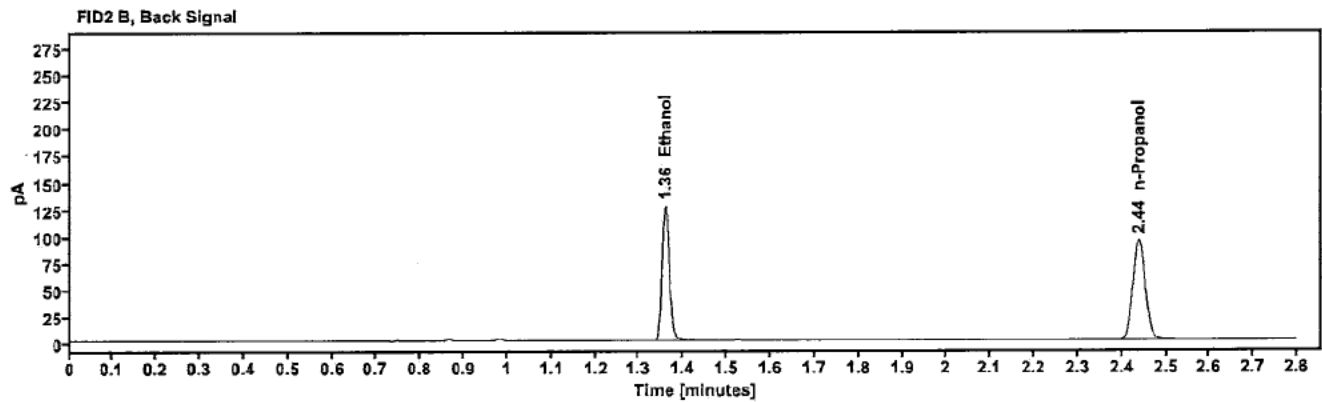
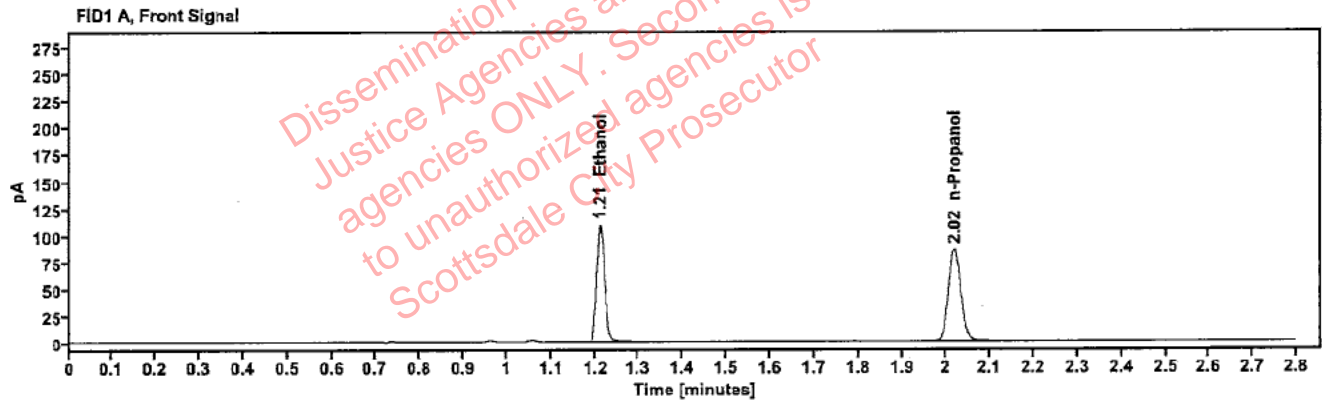


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2099	1.212	138.623
n-Propanol	---	2.018	169.422

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

Compound	Time (min)	Peak Area
Ethanol	1.360	152.141
n-Propanol	2.438	184.963

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318179-2	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:29:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\15.D	Analyst:	Brooke

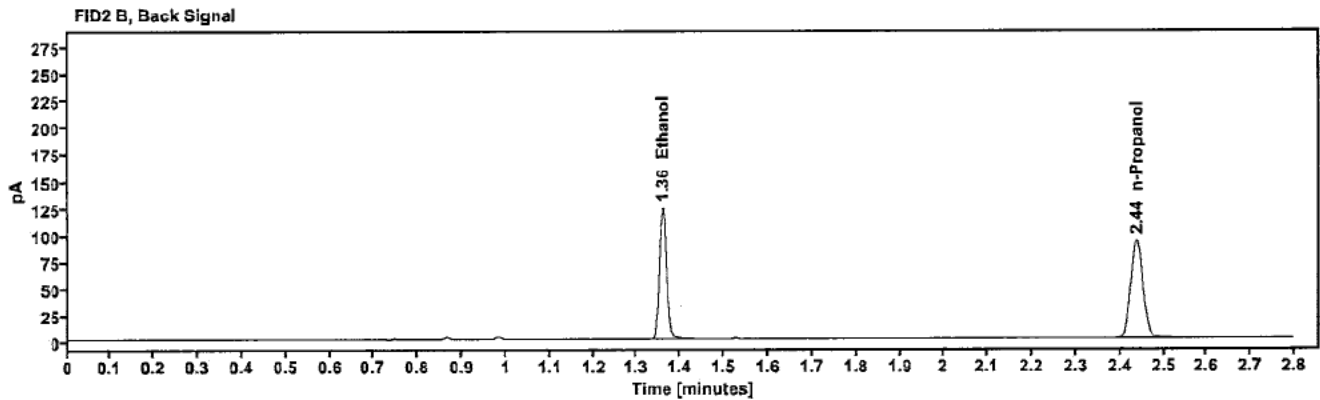
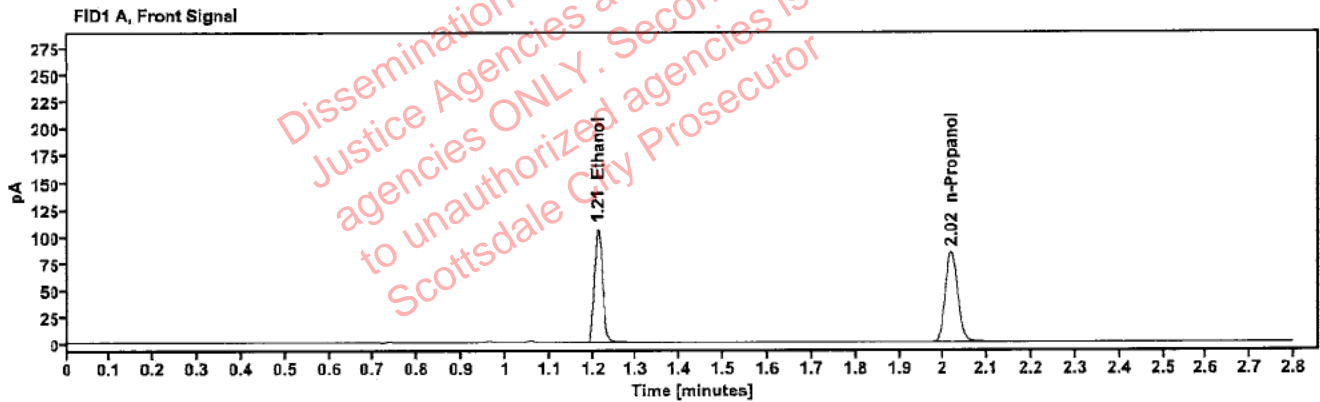


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2083	1.212	135.086
n-Propanol	-----	2.018	166.354

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

Compound	Time (min)	Peak Area
Ethanol	1.359	148.489
n-Propanol	2.438	181.538

Brooke, Phillip - (13-Sep-2023)

Case: User: pbrooke 9/13/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317038-1	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:33:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\16.D	Analyst:	Brooke

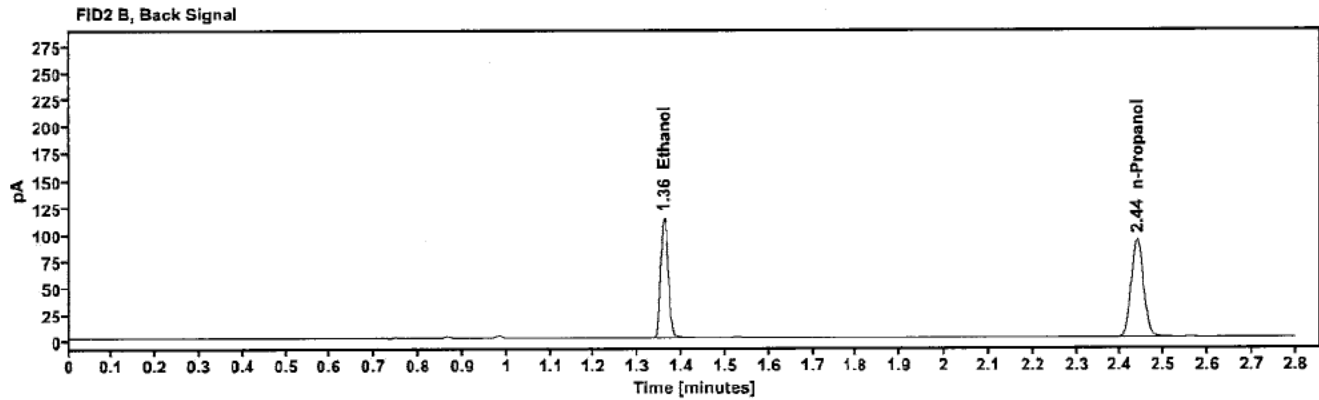
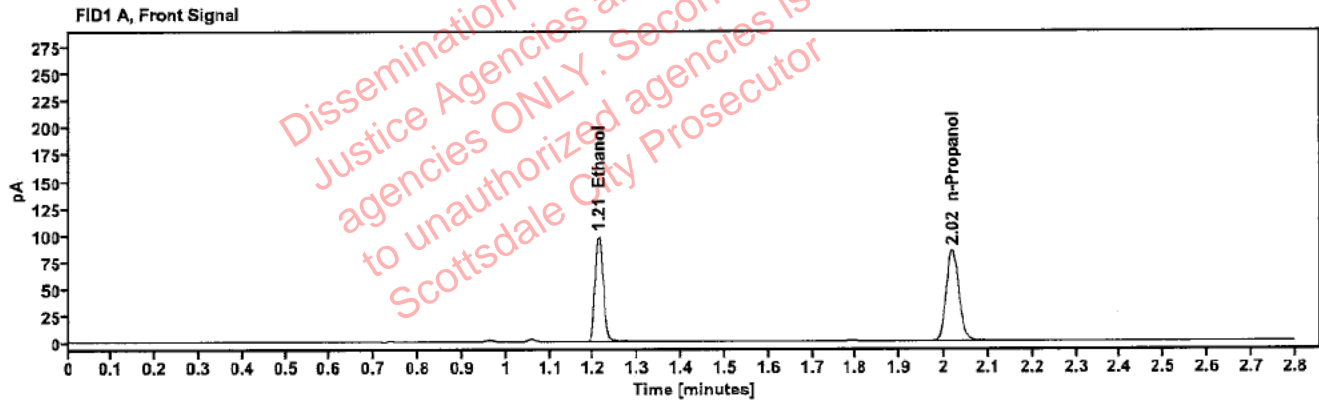


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1912	1.212	124.174
n-Propanol	---	2.018	166.590

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

Compound	Time (min)	Peak Area
Ethanol	1.360	136.099
n-Propanol	2.438	182.783

Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317038-1	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:37:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\17.D	Analyst:	Brooke

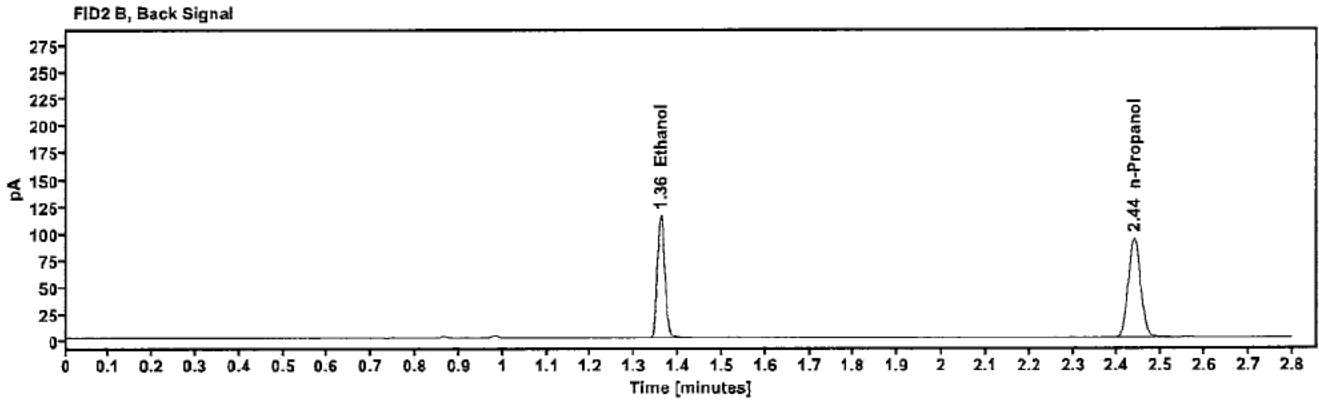
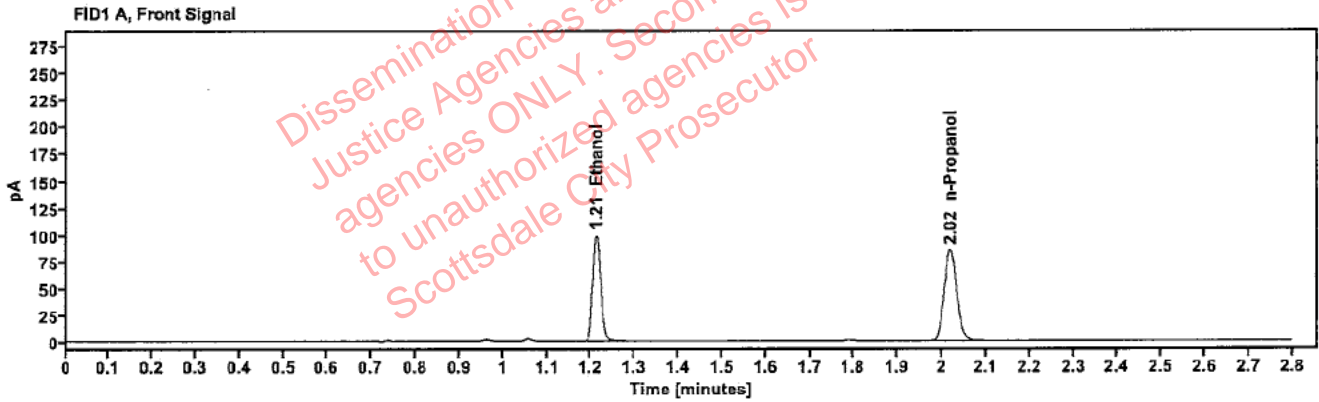


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1921	1.212	125.826
n-Propanol	---	2.018	168.032

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

Compound	Time (min)	Peak Area
Ethanol	1.360	138.026
n-Propanol	2.438	184.354

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318265-2	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:41:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\18.D	Analyst:	Brooke

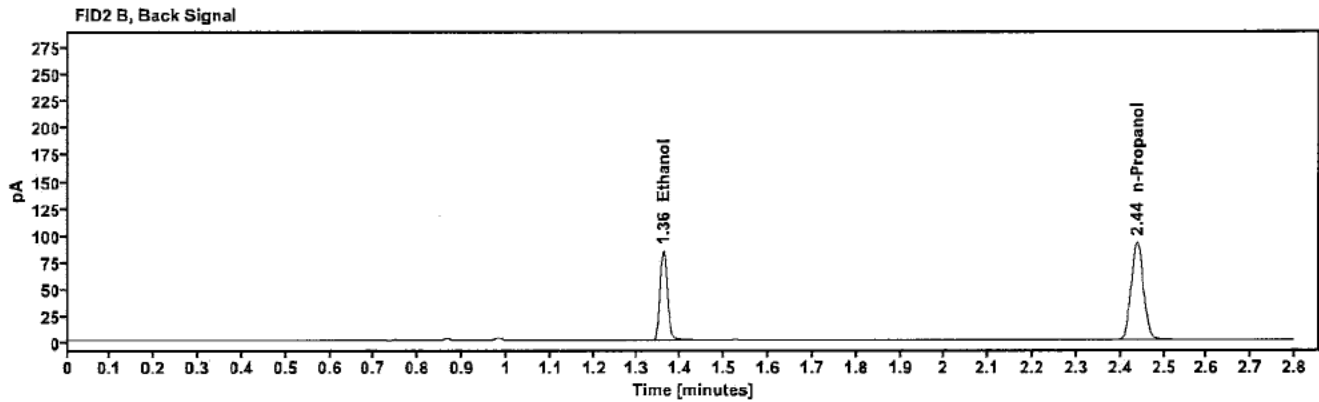
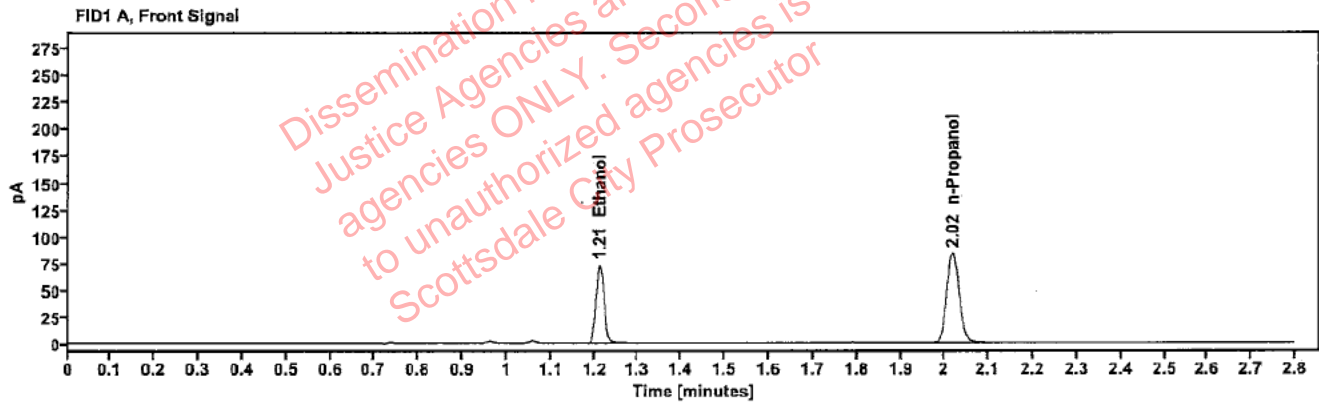


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1428	1.212	92.340
n-Propanol	---	2.018	165.689

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

Compound	Time (min)	Peak Area
Ethanol	1.360	101.331
n-Propanol	2.438	181.304

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318265-2	Vial:	19
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:45:46 AM
Data file:	C:\Chem32\1\Data\13Sep23\19.D	Analyst:	Brooke

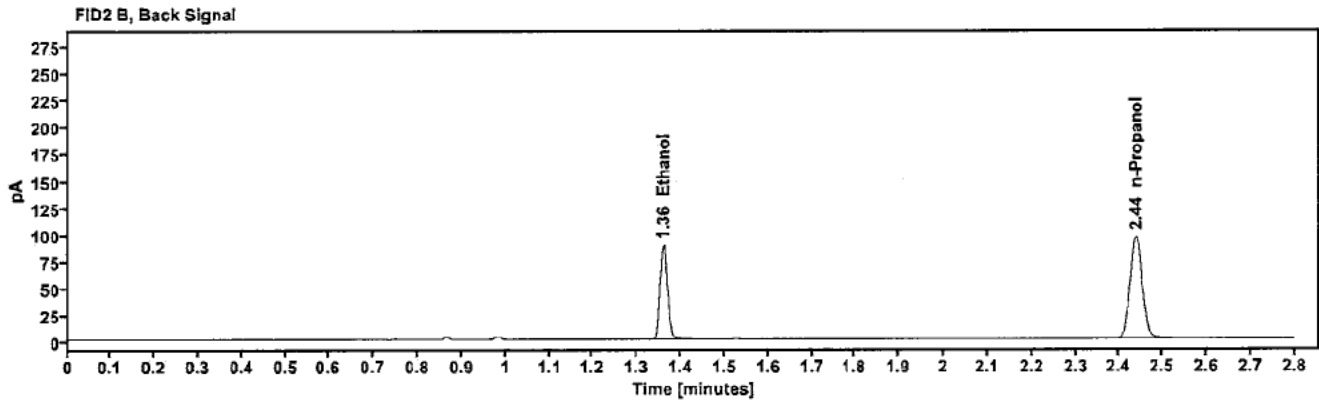
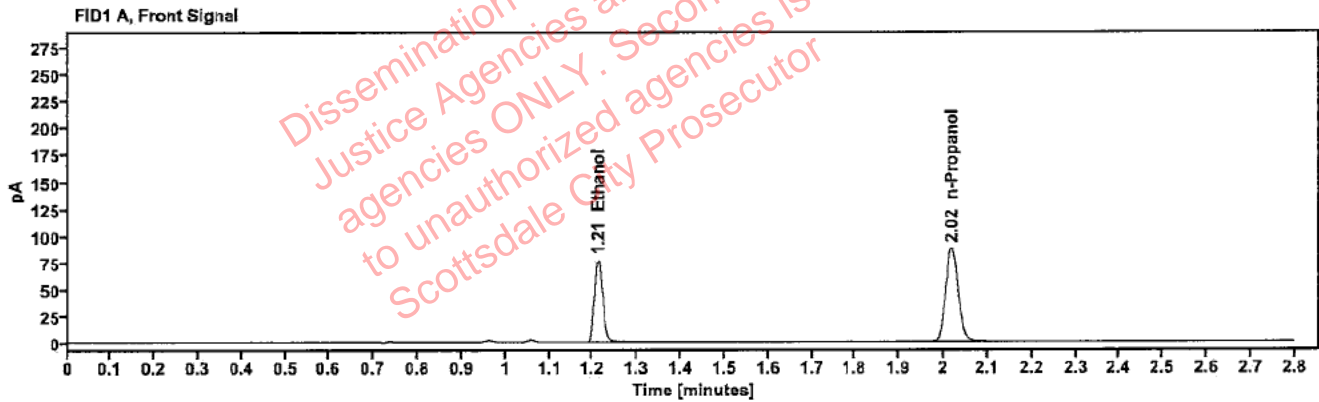


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1443	1.212	97.540
n-Propanol	---	2.018	173.171

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

Compound	Time (min)	Peak Area
Ethanol	1.360	106.935
n-Propanol	2.438	189.384

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318475-2	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:53:46 AM
Data file:	C:\Chem32\1\Data\13Sep23\21.D	Analyst:	Brooke

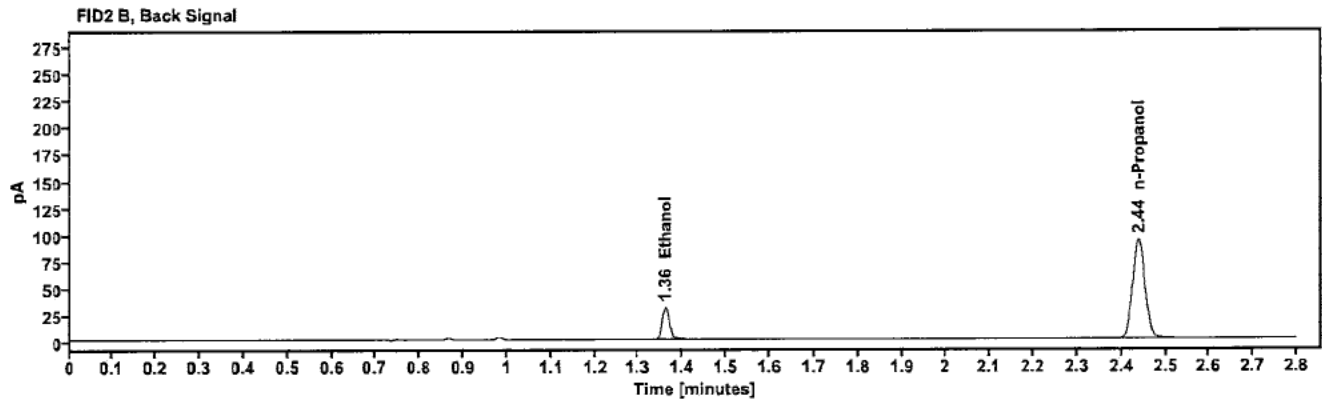
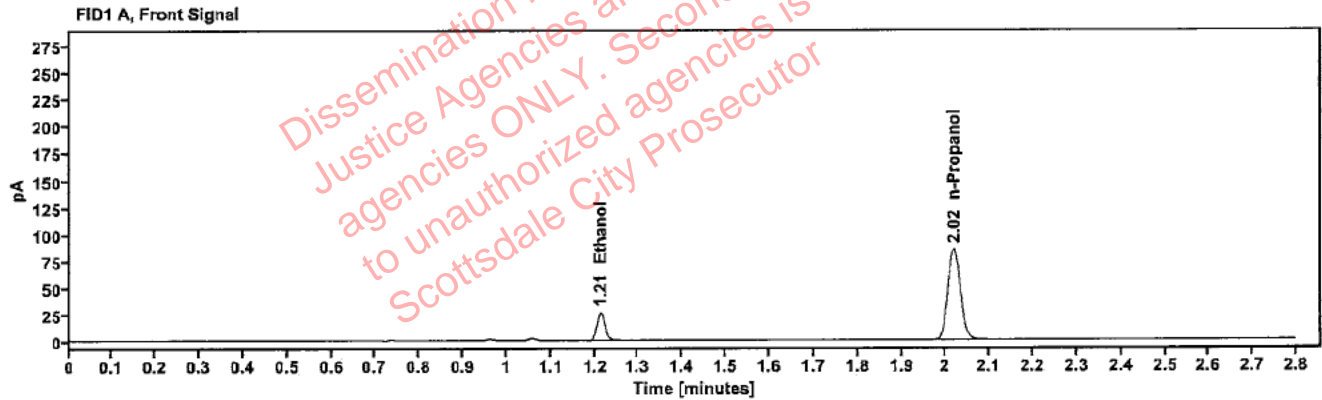


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0503	1.213	33.358
n-Propanol	----	2.018	168.533

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

Compound	Time (min)	Peak Area
Ethanol	1.361	36.919
n-Propanol	2.438	184.310

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318475-2	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:57:45 AM
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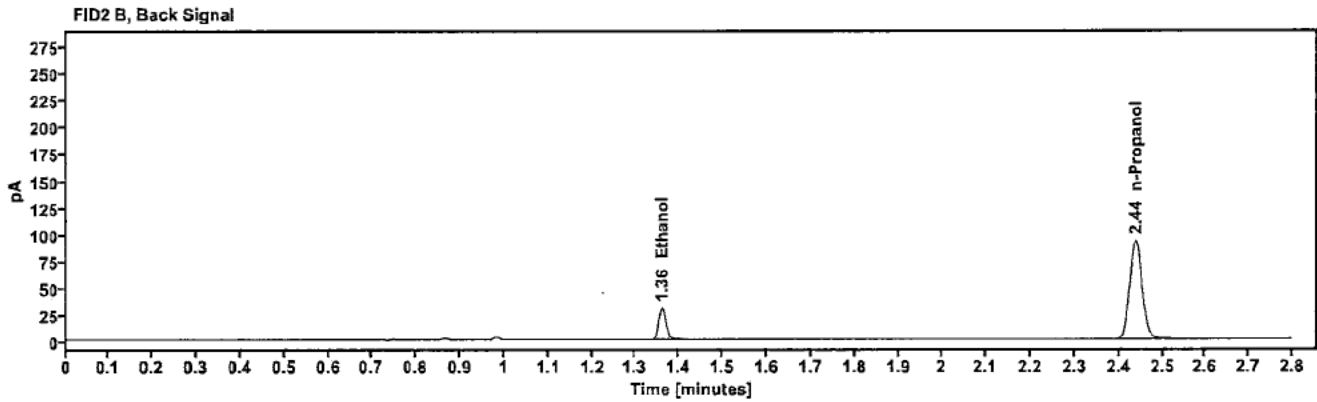
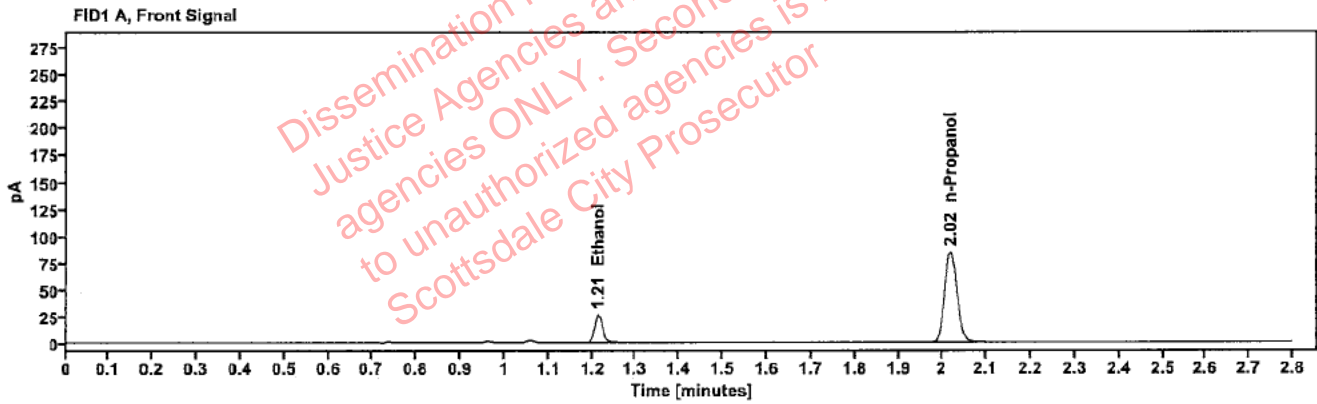


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0498	1.213	32.862
n-Propanol	-----	2.018	167.602

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

Compound	Time (min)	Peak Area
Ethanol	1.361	36.412
n-Propanol	2.439	183.132



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318482-1	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:01:46 PM
Data file:	C:\Chem32\1\Data\13Sep23\23.D	Analyst:	Brooke

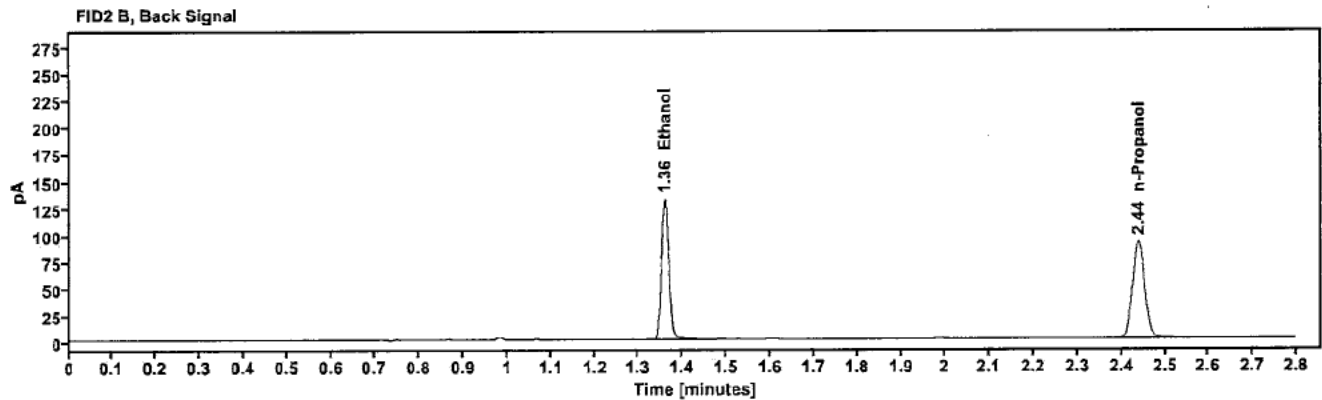
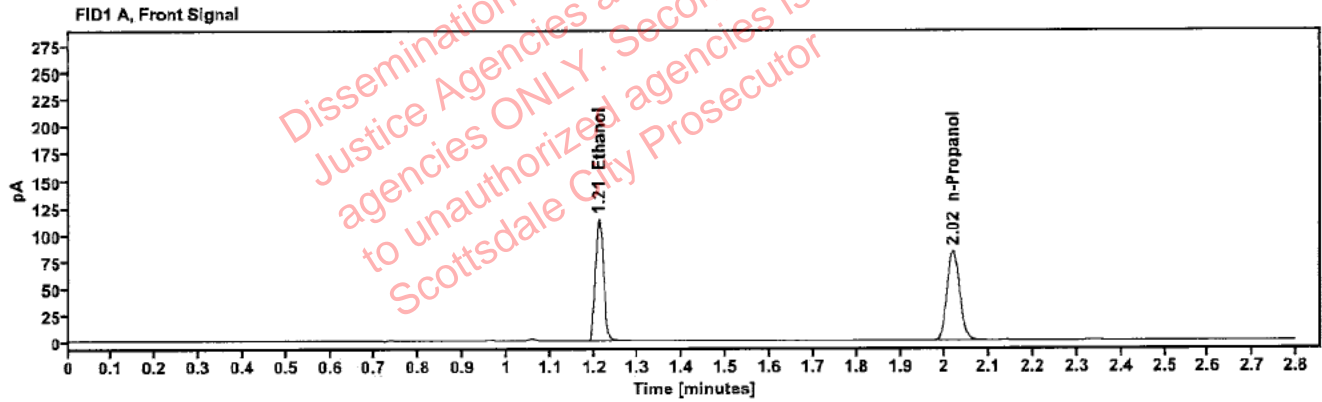


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2247	1.212	144.146
n-Propanol	---	2.018	164.600

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

Compound	Time (min)	Peak Area
Ethanol	1.360	158.583
n-Propanol	2.438	180.421

Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318482-1	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:05:46 PM
Data file:	C:\Chem32\1\Data\13Sep23\24.D	Analyst:	Brooke

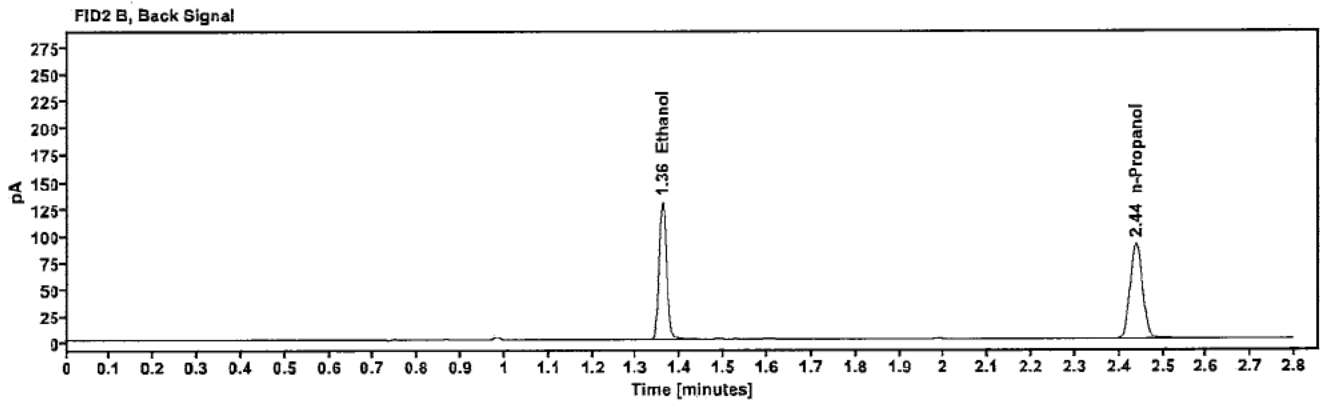
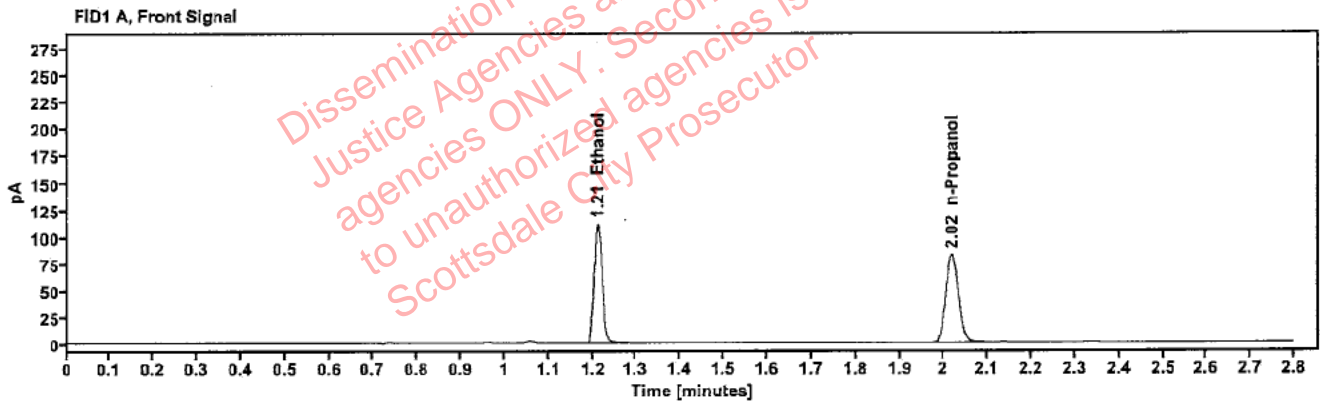


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2236	1.212	141.461
n-Propanol	---	2.018	162.380

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

Compound	Time (min)	Peak Area
Ethanol	1.360	155.954
n-Propanol	2.438	178.140

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318259-1	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:10:00 PM
Data file:	C:\Chem32\1\Data\13Sep23\25.D	Analyst:	Brooke

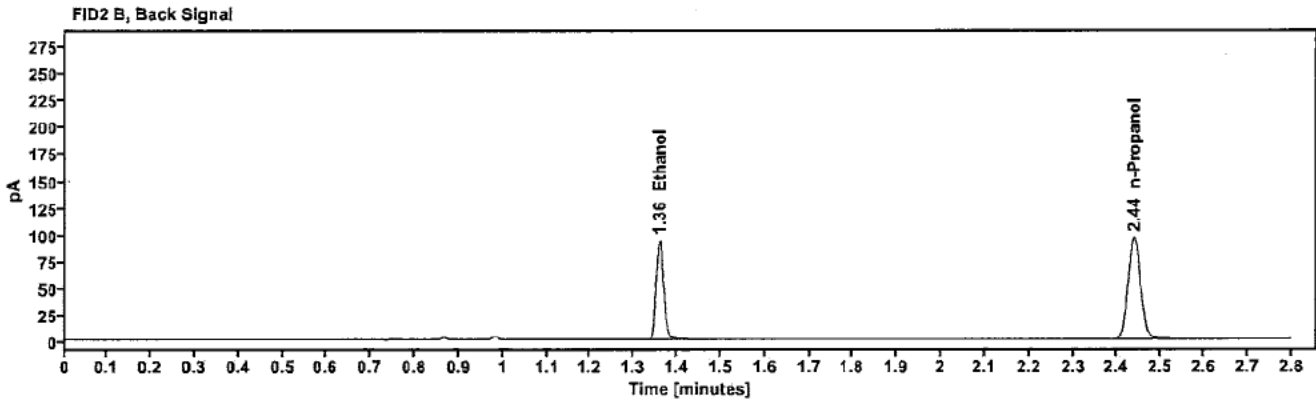
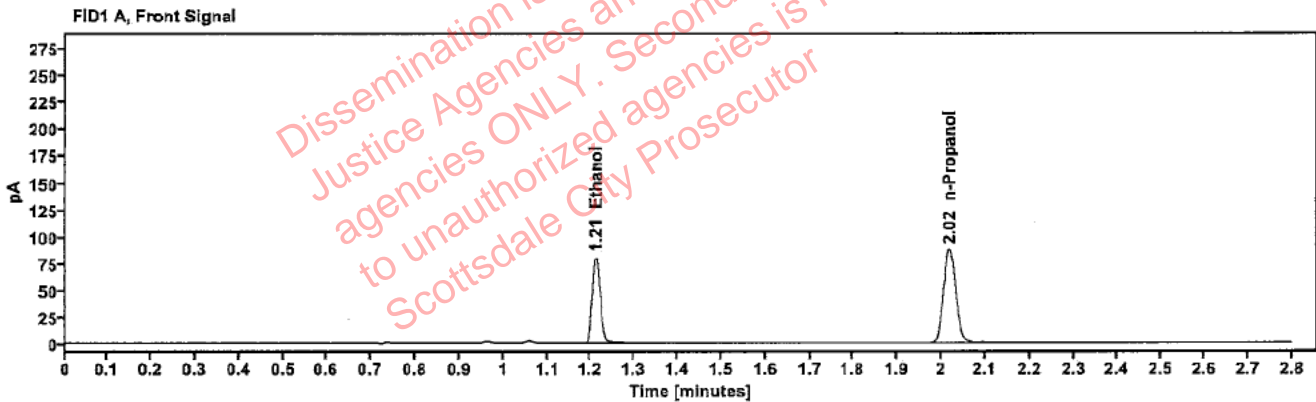


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1516	1.212	102.024
n-Propanol	---	2.018	172.512

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

Compound	Time (min)	Peak Area
Ethanol	1.360	111.784
n-Propanol	2.439	188.730

[REDACTED]: Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318259-1	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:14:00 PM
Data file:	C:\Chem32\1\Data\13Sep23\26.D	Analyst:	Brooke

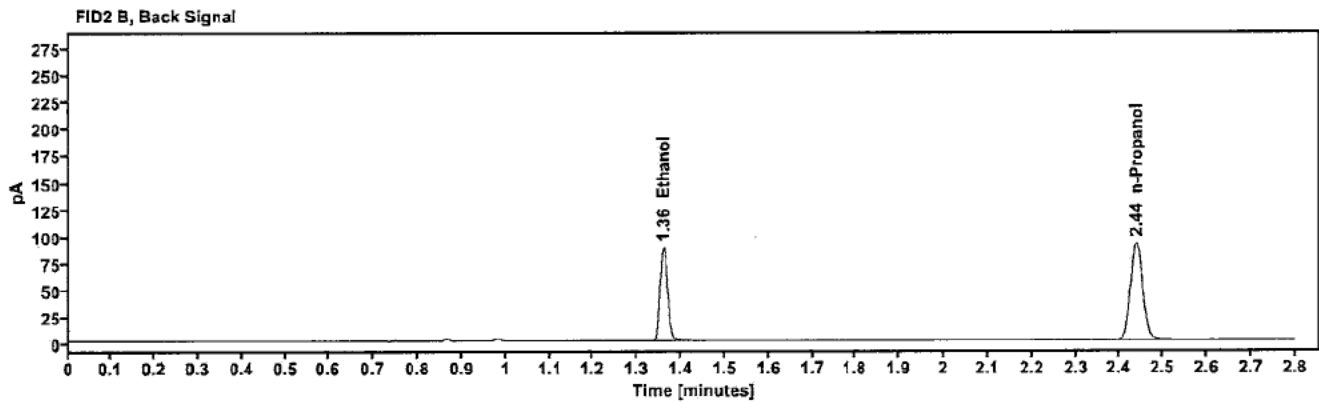
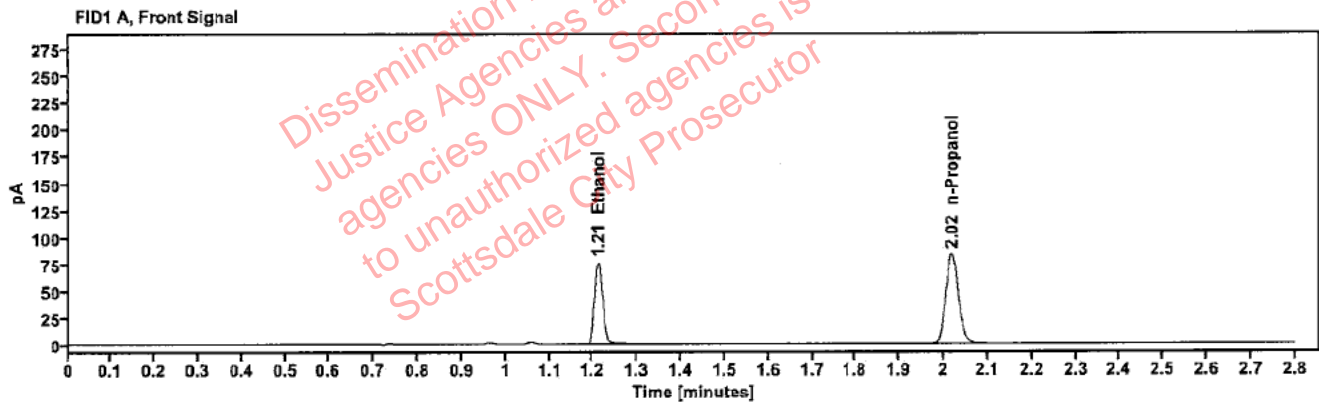


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1499	1.212	96.408
n-Propanol	---	2.018	164.827

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

Compound	Time (min)	Peak Area
Ethanol	1.360	105.616
n-Propanol	2.438	180.290

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318335-2	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:18:01 PM
Data file:	C:\Chem32\1\Data\13Sep23\27.D	Analyst:	Brooke

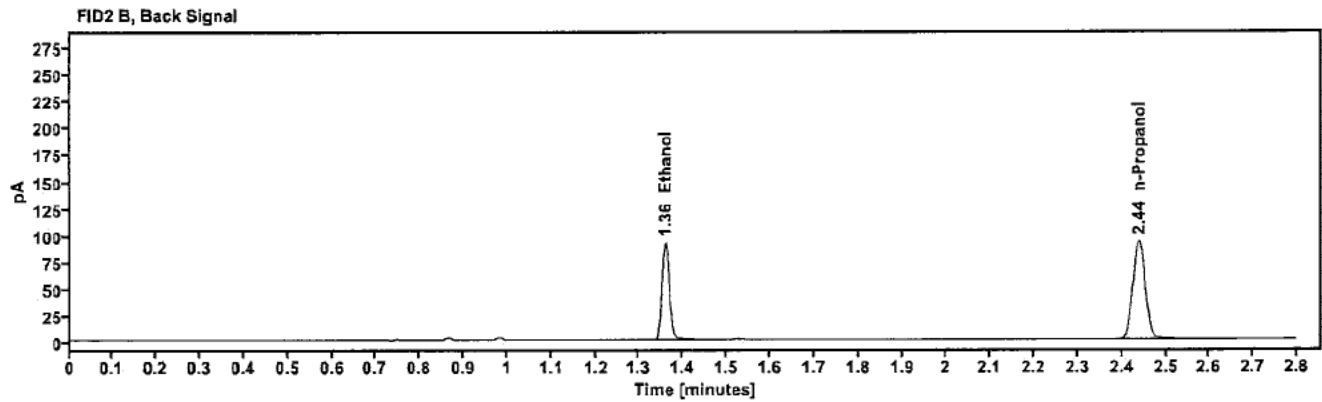
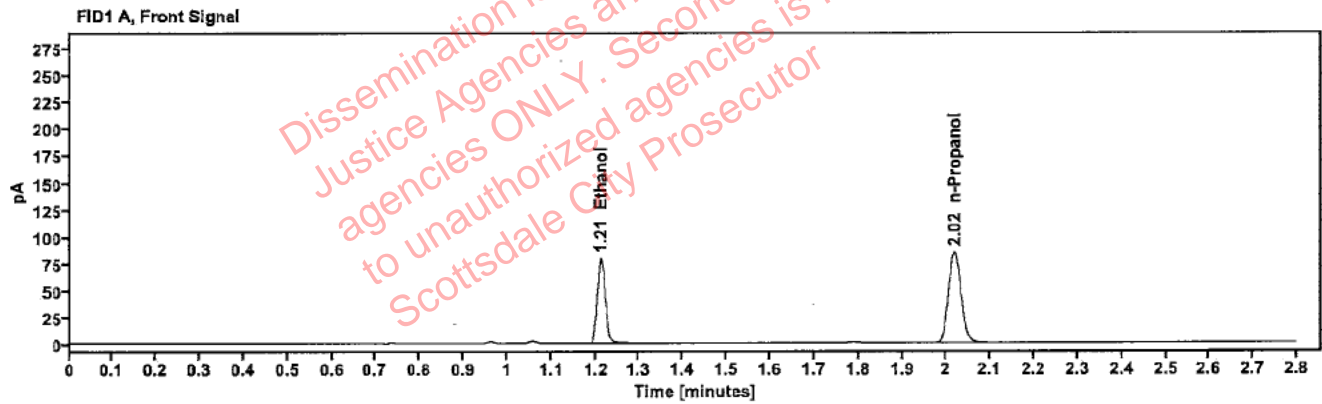


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1539	1.212	100.701
n-Propanol	----	2.018	167.724

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

Compound	Time (min)	Peak Area
Ethanol	1.360	110.573
n-Propanol	2.438	183.409

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318335-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:22:00 PM
Data file:	C:\Chem32\1\Data\13Sep23\28.D	Analyst:	Brooke

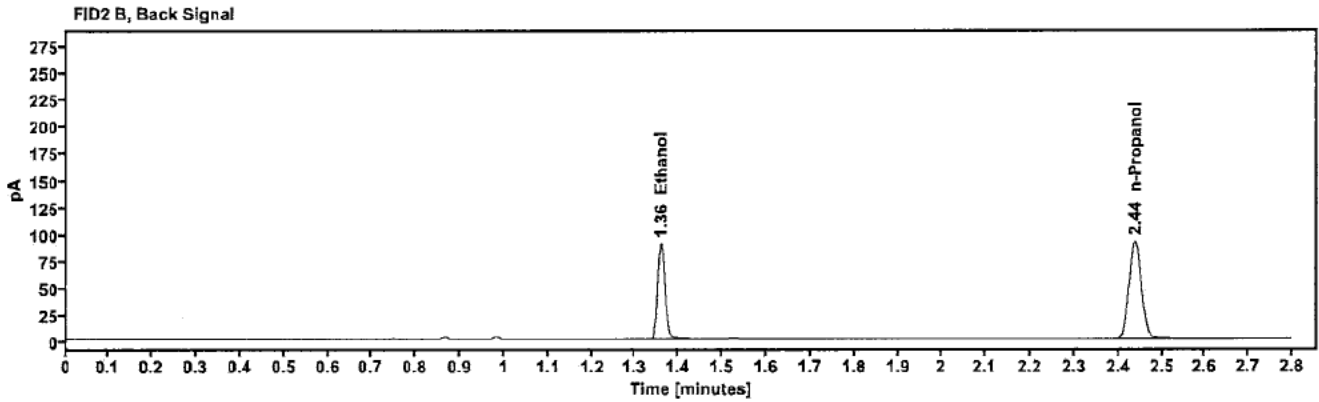
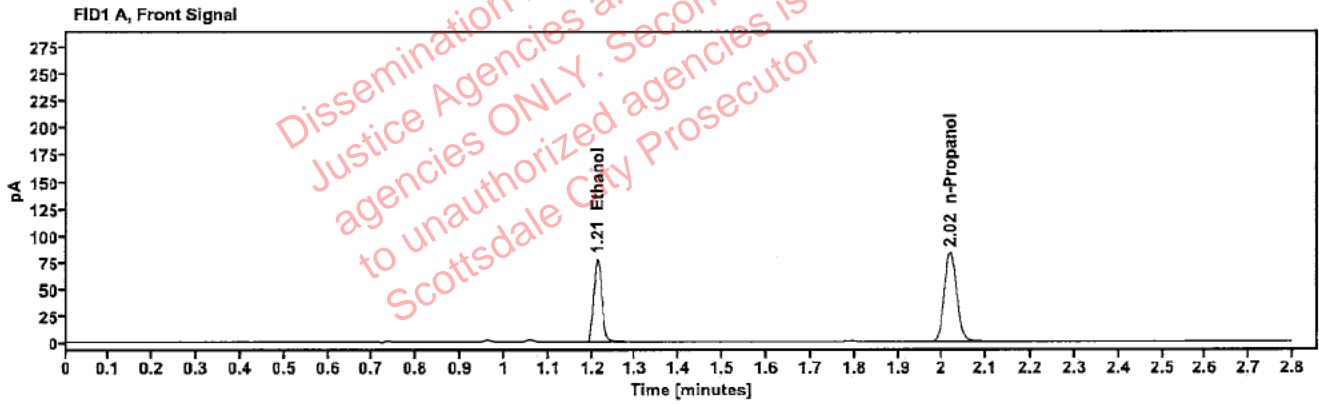


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1528	1.212	98.510
n-Propanol	---	2.018	165.209

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

Compound	Time (min)	Peak Area
Ethanol	1.360	108.163
n-Propanol	2.438	180.642

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318358-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:26:01 PM
Data file:	C:\Chem32\1\Data\13Sep23\29.D	Analyst:	Brooke

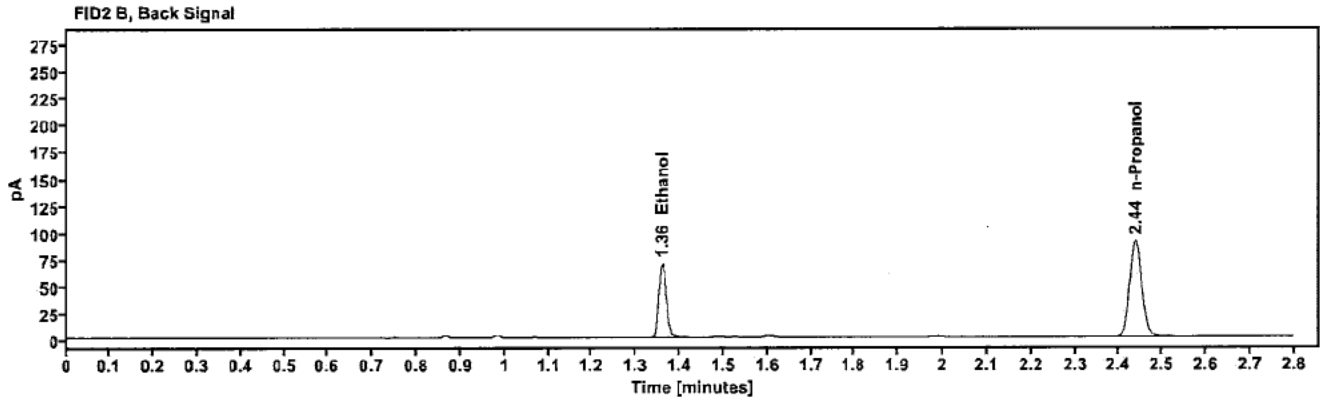
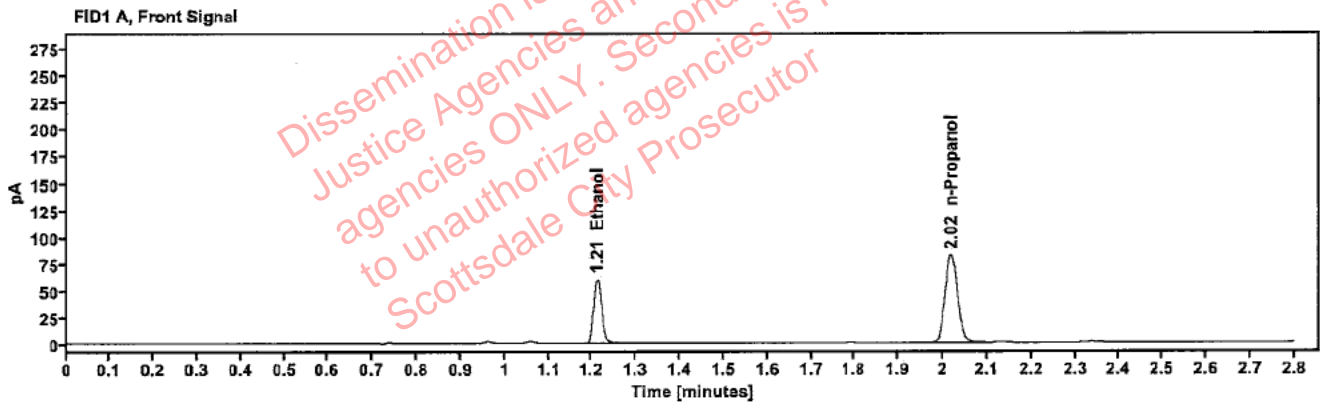


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1195	1.212	76.463
n-Propanol	—	2.018	163.759

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

Compound	Time (min)	Peak Area
Ethanol	1.360	84.248
n-Propanol	2.438	178.699

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318358-2	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:30:01 PM
Data file:	C:\Chem32\1\Data\13Sep23\30.D	Analyst:	Brooke

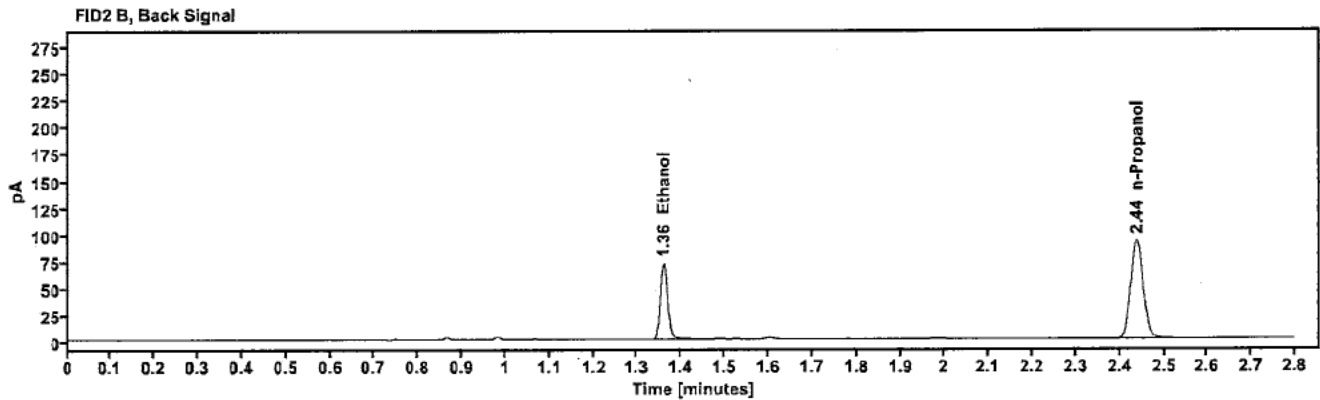
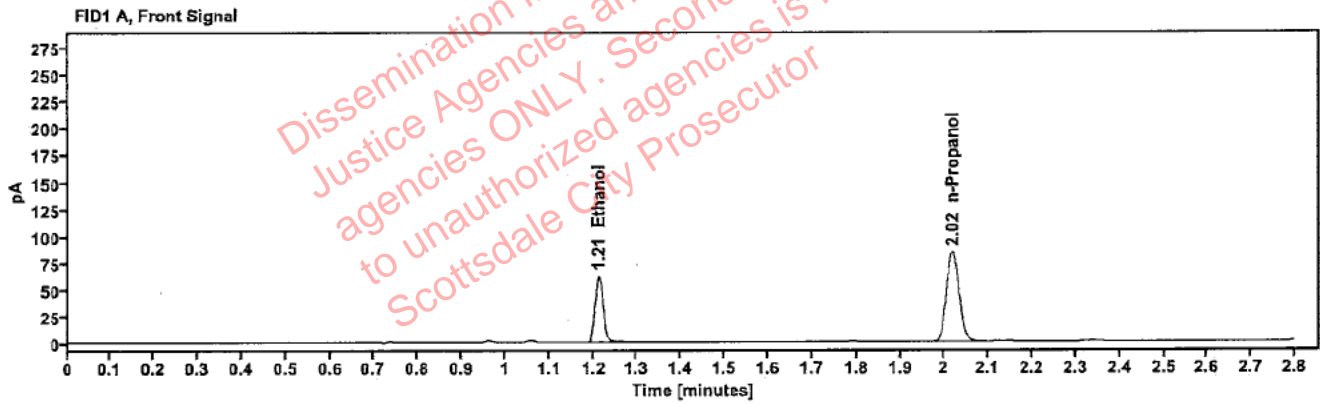


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1208	1.212	78.910
n-Propanol	---	2.018	167.279

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

Compound	Time (min)	Peak Area
Ethanol	1.360	86.747
n-Propanol	2.438	182.492



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318264-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:38:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\32.D	Analyst:	Brooke

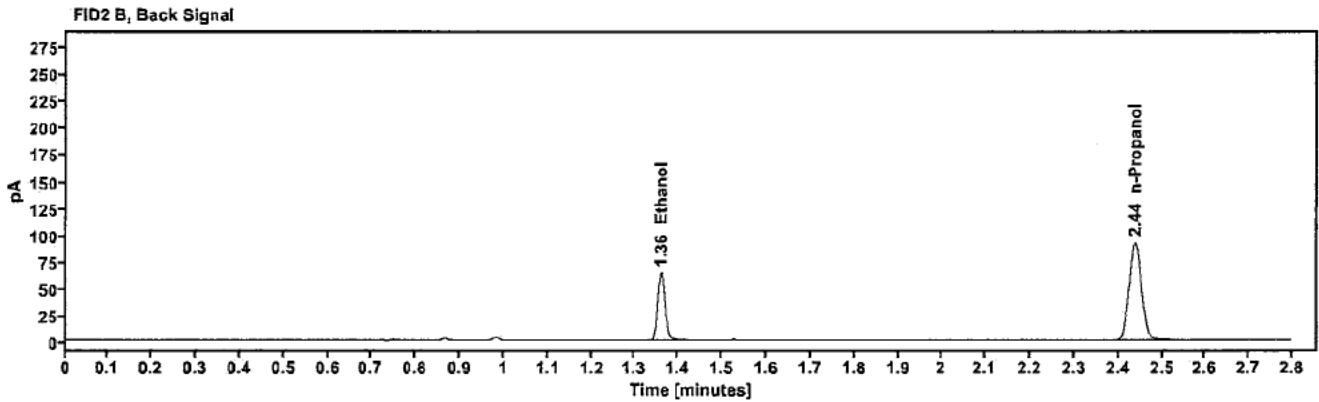
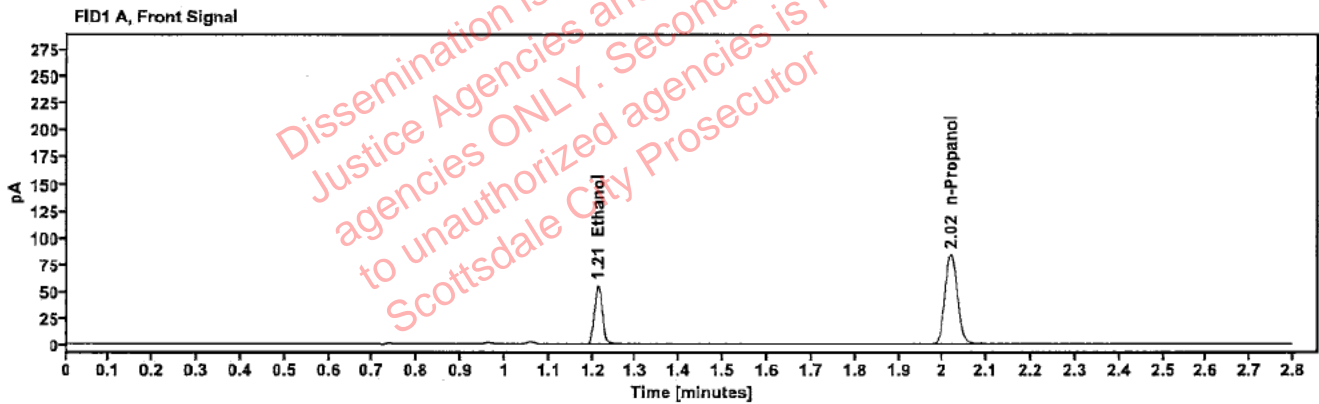


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1071	1.212	69.761
n-Propanol	—	2.018	166.606

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

Compound	Time (min)	Peak Area
Ethanol	1.360	76.417
n-Propanol	2.438	182.159

[REDACTED]: Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318264-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:42:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\33.D	Analyst:	Brooke

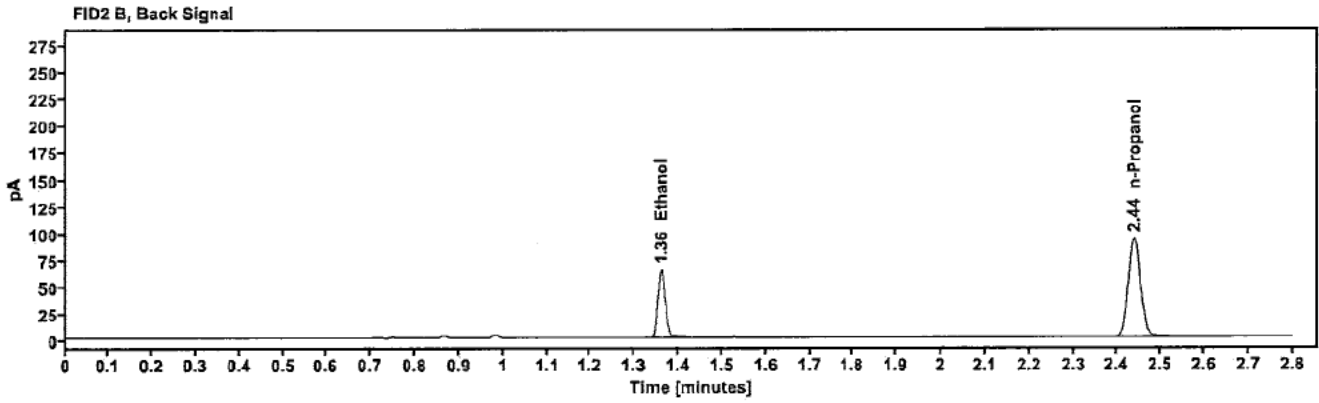
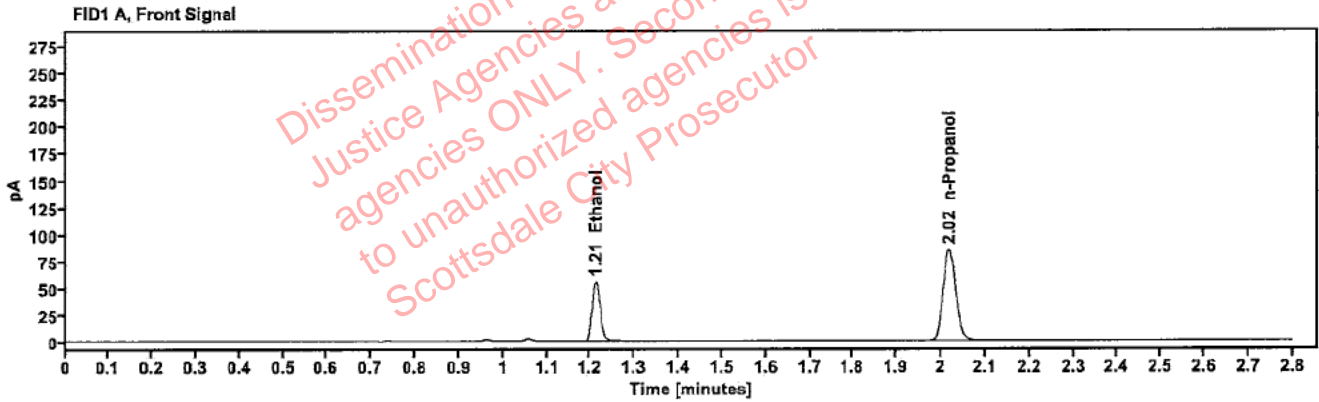


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1073	1.212	70.336
n-Propanol	---	2.018	167.734

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

Compound	Time (min)	Peak Area
Ethanol	1.360	77.025
n-Propanol	2.439	183.261

### Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	2318350-1	<b>Vial:</b>	34
<b>Description:</b>	██████████	<b>LIMS ID:</b>	██████████
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	13Sep23
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	9/13/2023 12:46:16 PM
<b>Data file:</b>	C:\Chem32\1\Data\13Sep23\34.D	<b>Analyst:</b>	Brooke

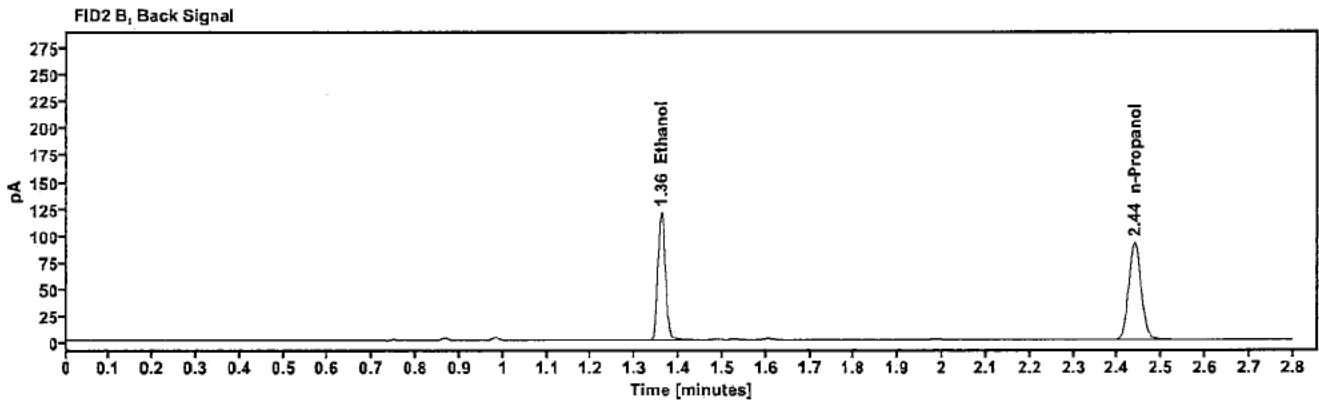
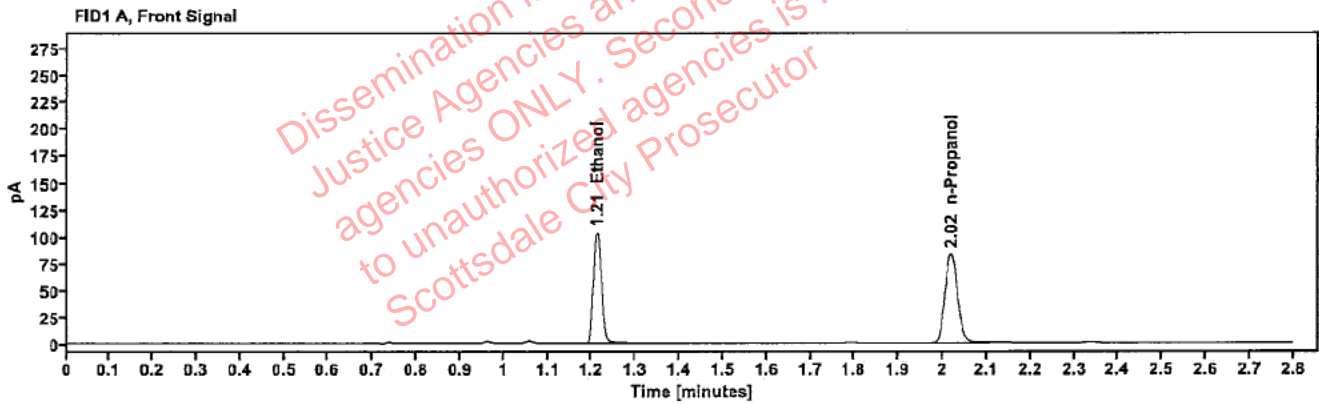


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2045	1.212	131.592
n-Propanol	-----	2.019	165.087

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

Compound	Time (min)	Peak Area
Ethanol	1.360	144.607
n-Propanol	2.439	180.902

[REDACTED]: Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318350-1	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:50:15 PM
Data file:	C:\Chem32\1\Data\13Sep23\35.D	Analyst:	Brooke

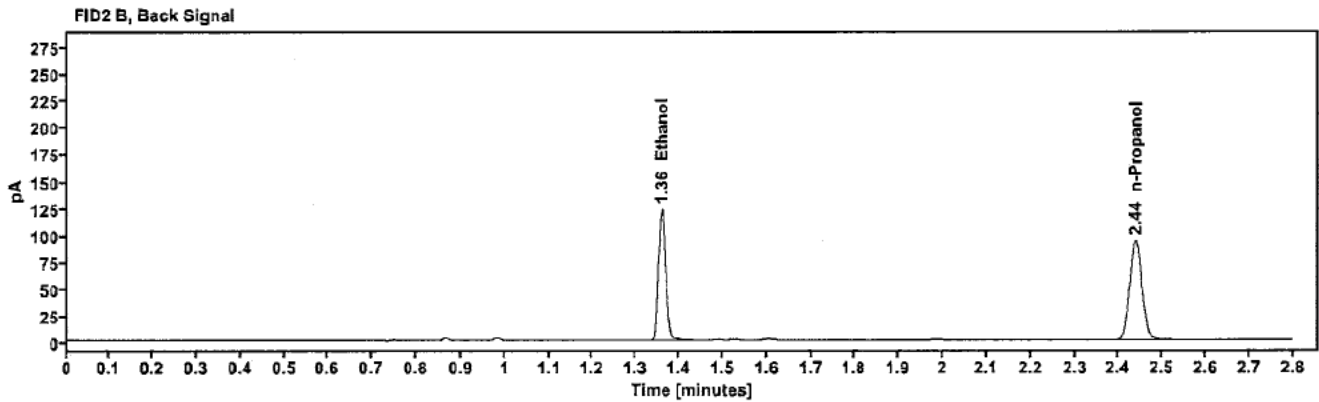
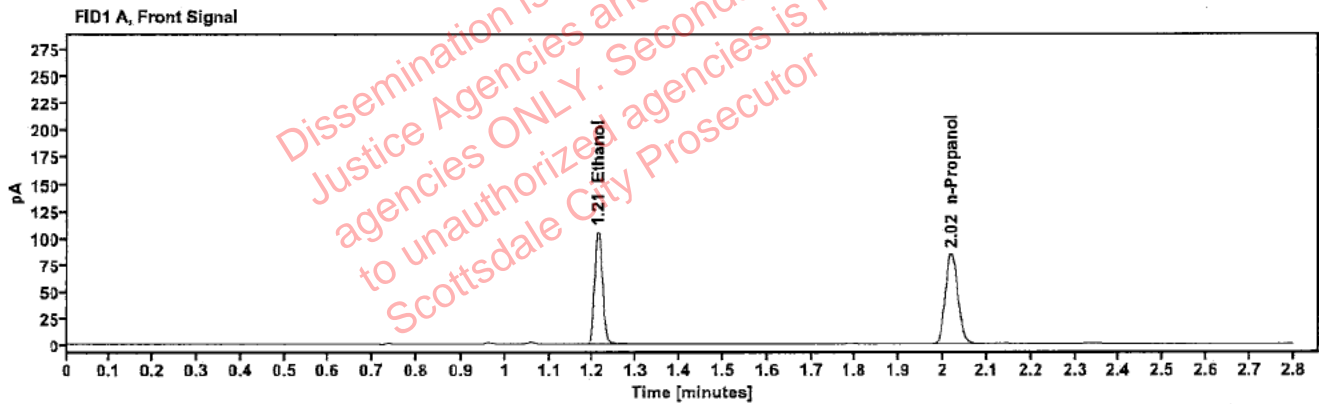


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2041	1.212	133.889
n-Propanol	-----	2.018	168.251

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

Compound	Time (min)	Peak Area
Ethanol	1.360	147.225
n-Propanol	2.439	183.503

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318429-2	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:54:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\36.D	Analyst:	Brooke

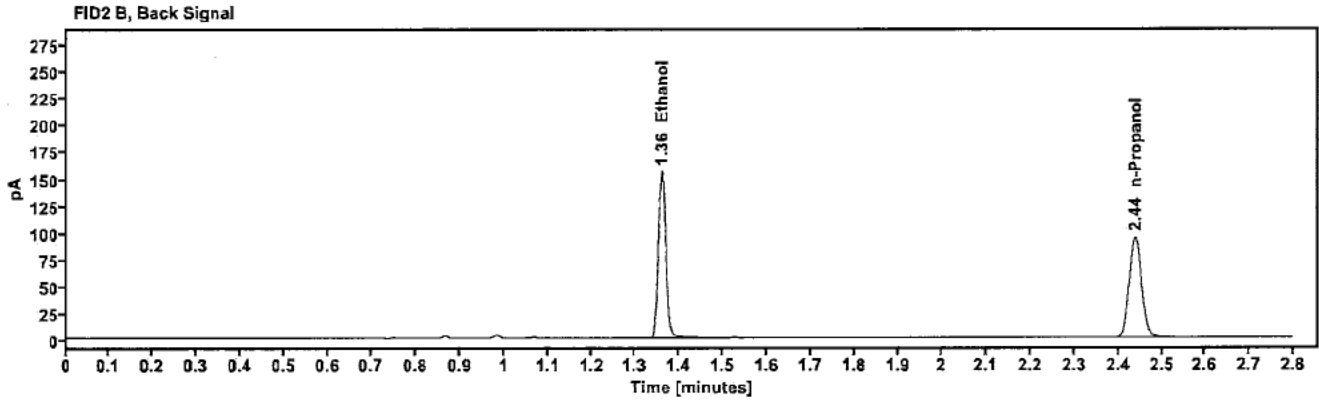
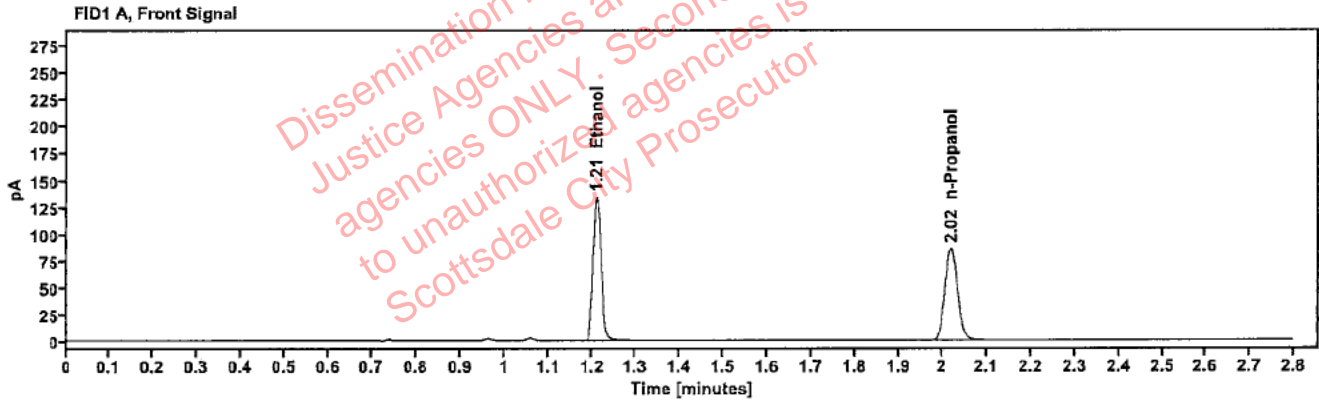


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2567	1.212	170.023
n-Propanol	---	2.018	170.002

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

Compound	Time (min)	Peak Area
Ethanol	1.360	187.289
n-Propanol	2.439	185.782

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318429-2	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:58:31 PM
Data file:	C:\Chem32\1\Data\13Sep23\37.D	Analyst:	Brooke

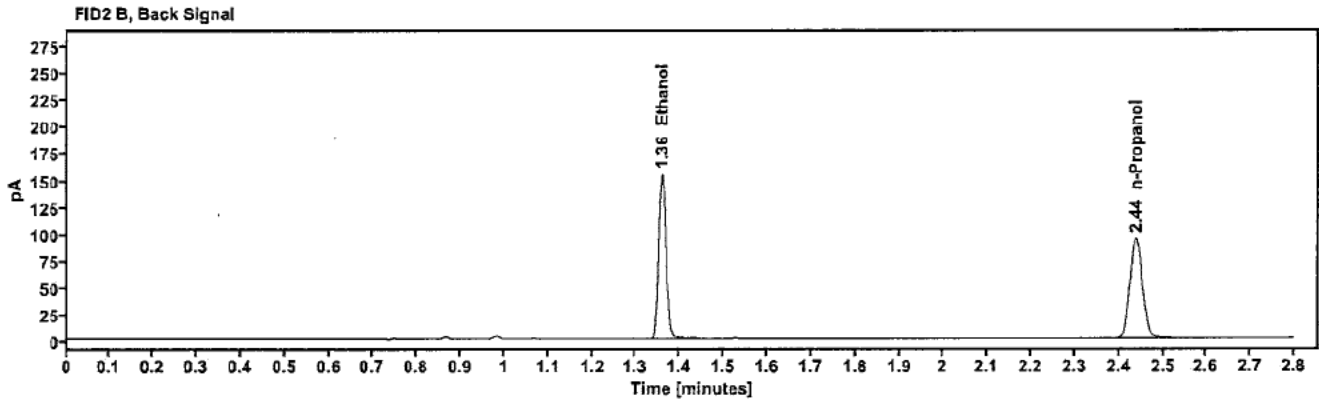
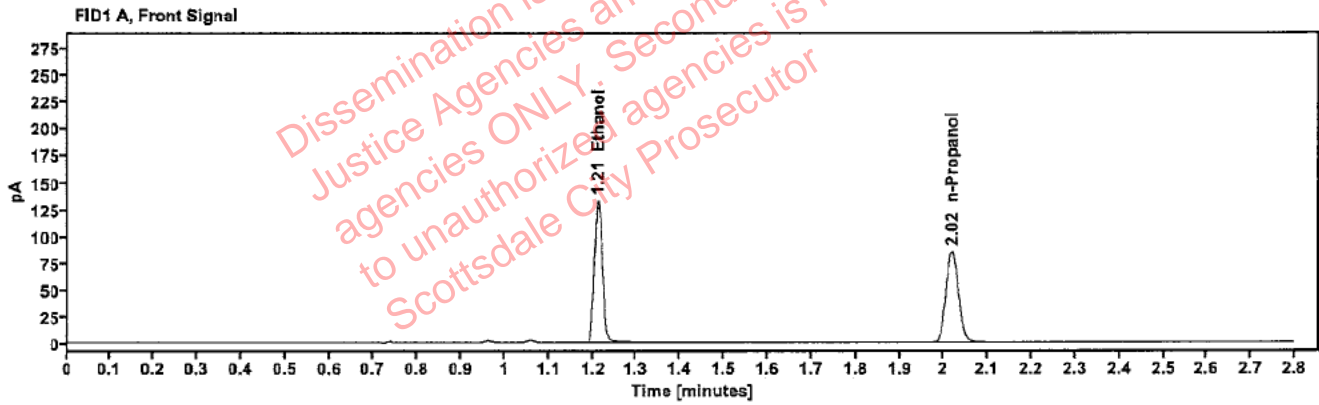


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2562	1.212	168.541
n-Propanol	-----	2.018	168.883

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

Compound	Time (min)	Peak Area
Ethanol	1.360	185.402
n-Propanol	2.438	184.477

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318426-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 1:02:31 PM
Data file:	C:\Chem32\1\Data\13Sep23\38.D	Analyst:	Brooke

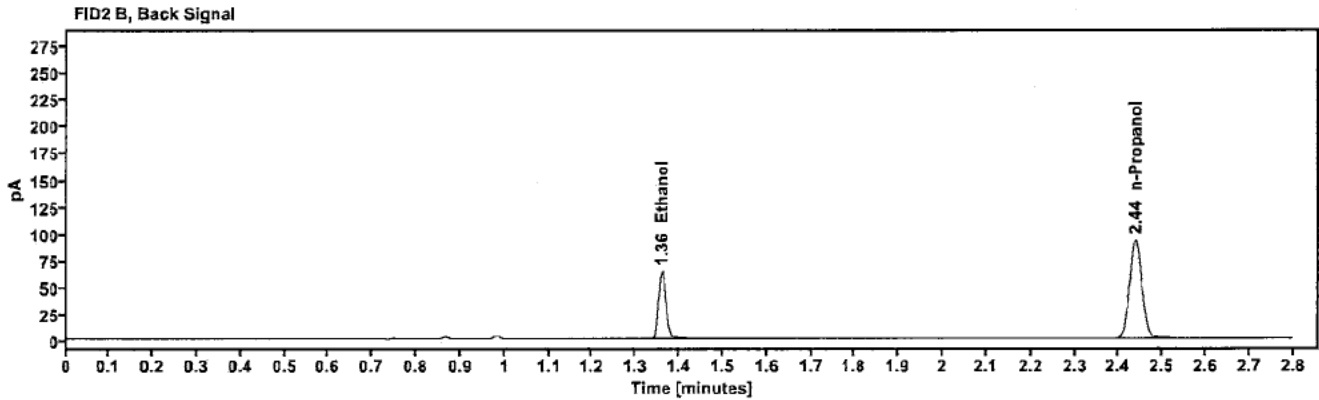
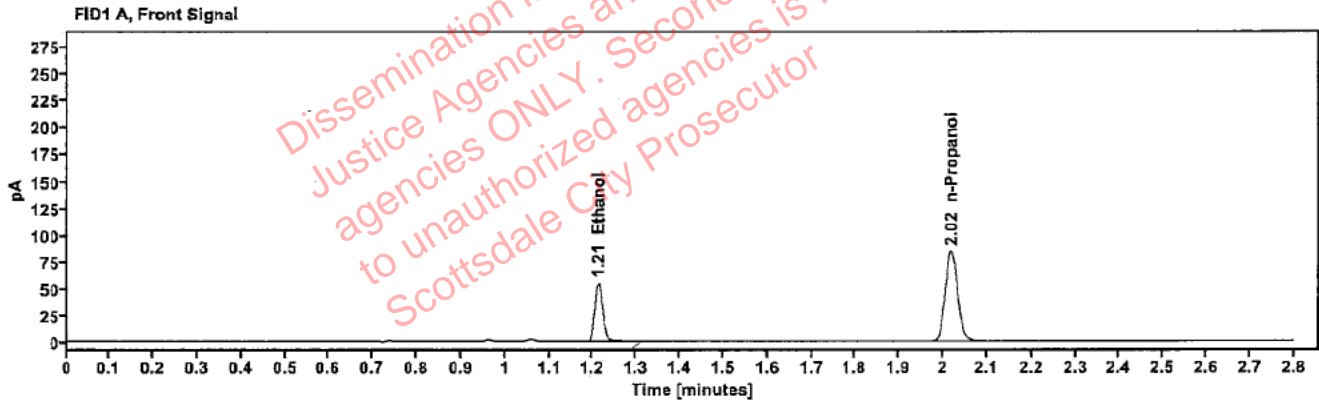


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1064	1.212	69.314
n-Propanol	-----	2.018	166.649

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

Compound	Time (min)	Peak Area
Ethanol	1.360	75.923
n-Propanol	2.438	182.190

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318426-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 1:06:31 PM
Data file:	C:\Chem32\1\Data\13Sep23\39.D	Analyst:	Brooke

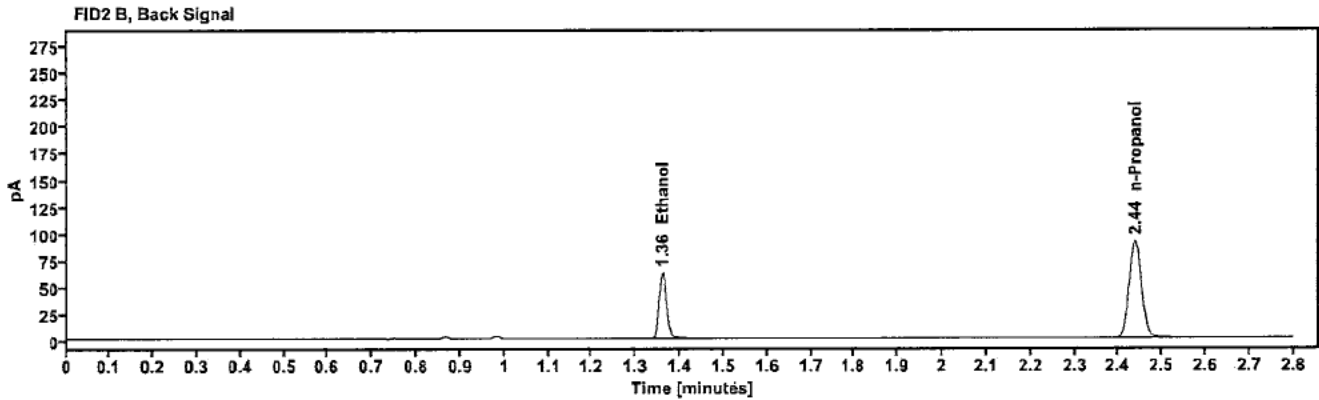
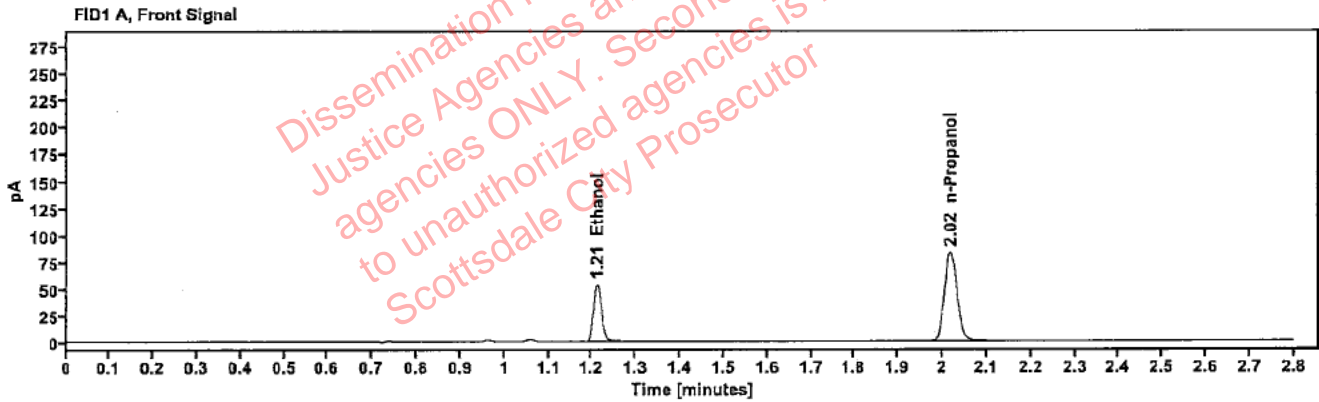


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1056	1.212	67.954
n-Propanol	-----	2.018	164.614

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

Compound	Time (min)	Peak Area
Ethanol	1.360	74.461
n-Propanol	2.438	179.912



### Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	2309746-2	<b>Vial:</b>	40
<b>Description:</b>	██████████	<b>LIMS ID:</b>	██████████
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	13Sep23
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	9/13/2023 1:10:31 PM
<b>Data file:</b>	C:\Chem32\1\Data\13Sep23\40.D	<b>Analyst:</b>	Brooke

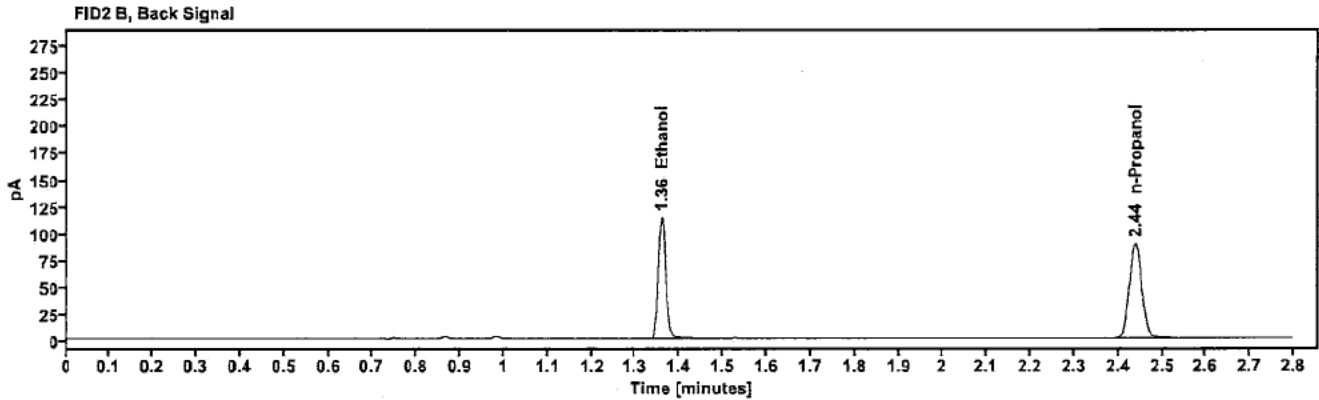
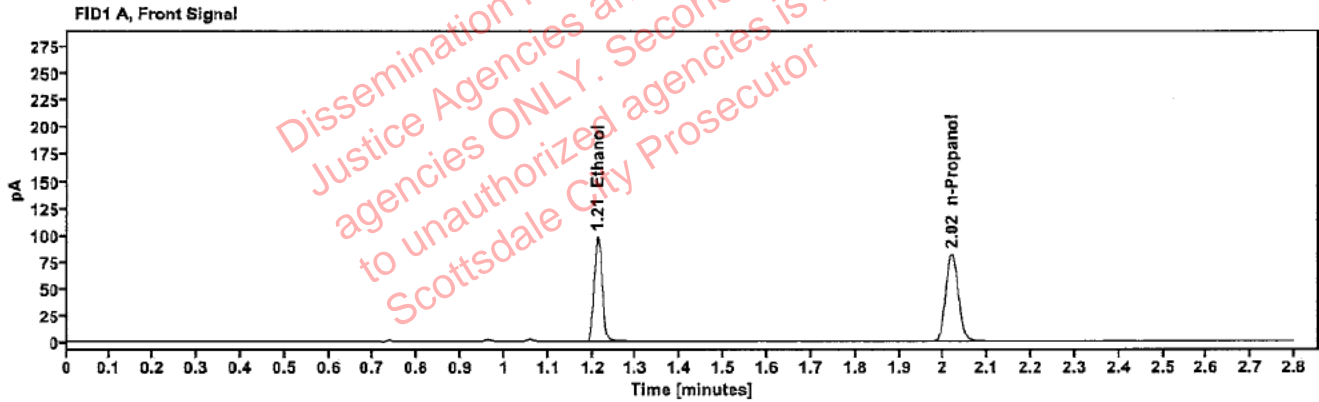


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1981	1.212	124.746
n-Propanol	-----	2.018	161.518

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

Compound	Time (min)	Peak Area
Ethanol	1.360	136.943
n-Propanol	2.438	176.502

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2309746-2	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 1:14:30 PM
Data file:	C:\Chem32\1\Data\13Sep23\41.D	Analyst:	Brooke

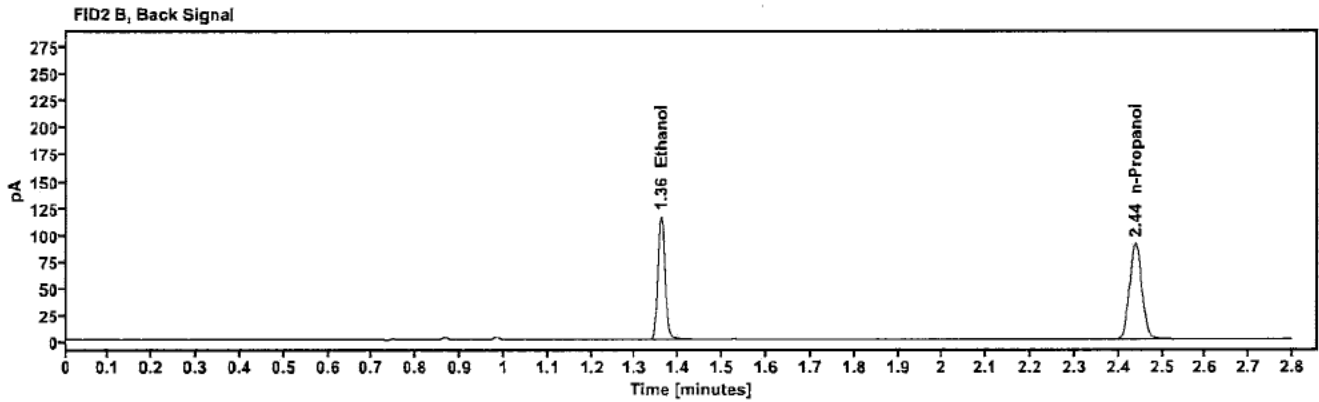
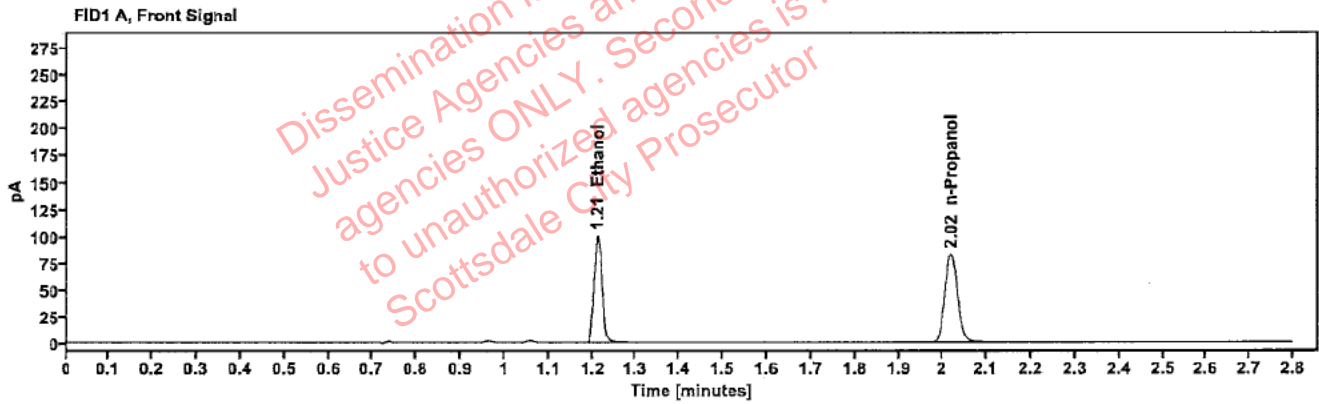


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1990	1.212	127.023
n-Propanol	---	2.018	163.765

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

Compound	Time (min)	Peak Area
Ethanol	1.360	139.664
n-Propanol	2.438	179.161