

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 6/25/2024

SEQUENCE NAME 25Jun24

**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 0.99969  
 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	0.405 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/11
20	Aqueous control	0.100 g/dL	0.097 g/dL	Lipomed 25052023-A
31	Blood control	0.199 g/dL	0.200 g/dL	ACQ 4110320133/11
42	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.038 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD lab 060724AQ

**SUBJECT SAMPLES**

Subjects in the sequence 14 Subjects requiring reanalysis 0

**ADDITIONAL NOTES:** All testing proceeded as expected. The run also included one control that needed to be verified.

Run valid  Philip Brooks Analyst Run valid  [Signature] Technical Reviewer  
 Run invalid  Run invalid

PB

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

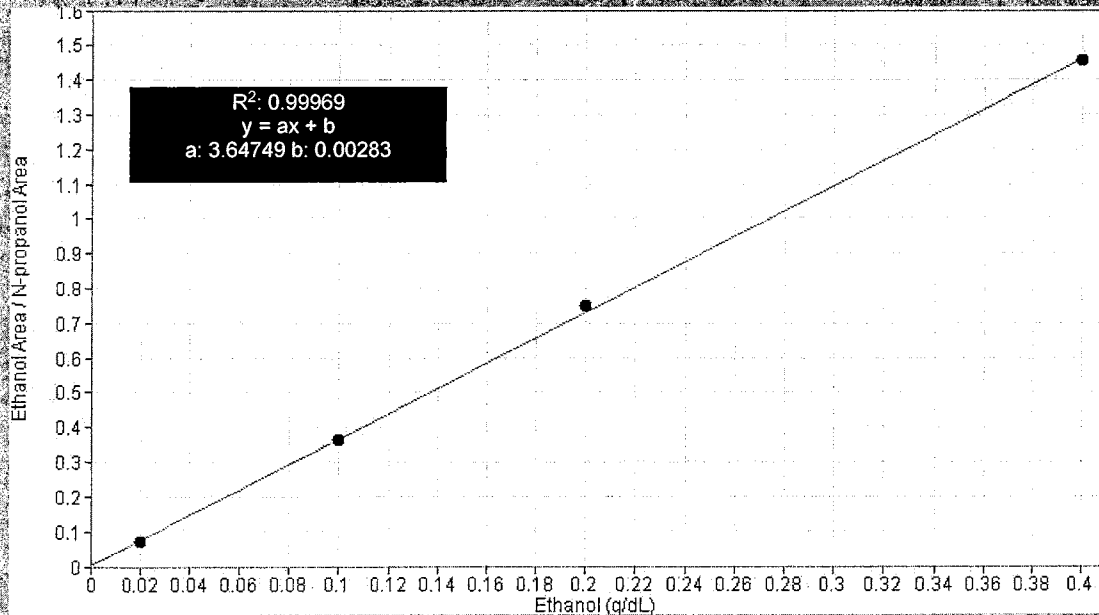
SEQUENCE NAME: 25Jun24

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 050624WB	5	negative	negative	-	-
0.400 30012020-A	7	0.405	0.400	1.25	0.005
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/11	9	0.202	0.199	1.51	0.003
0.100 25052023-A	20	0.097	0.100	3.00	-0.003
0.199 4110320133/11	31	0.200	0.199	0.50	0.001
0.400 30012020-A	42	0.399	0.400	0.25	-0.001
0.040 14082019-B	43	0.038	0.040	5.00	-0.002
0.199 4110320133/11	44	0.203	0.199	2.01	0.004
blank 060724AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.256	172.812	0.071
0.100	61.439	169.174	0.363
0.200	140.433	187.703	0.748
0.400	242.043	166.324	1.455

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> 25Jun24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/25/2024 2:58:35 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke
<b>Data file:</b> C:\Chem32\1\Data\25Jun24\1.D	

RB

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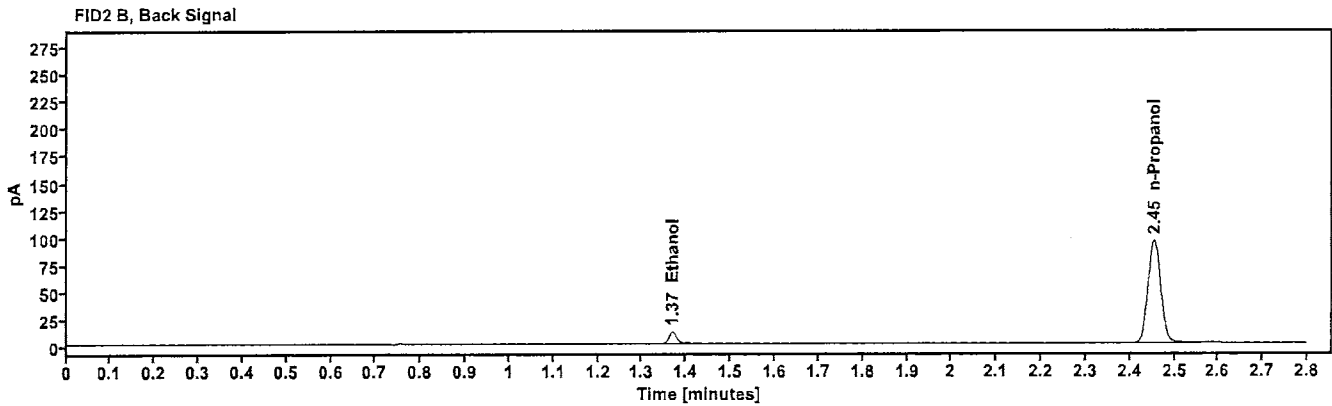
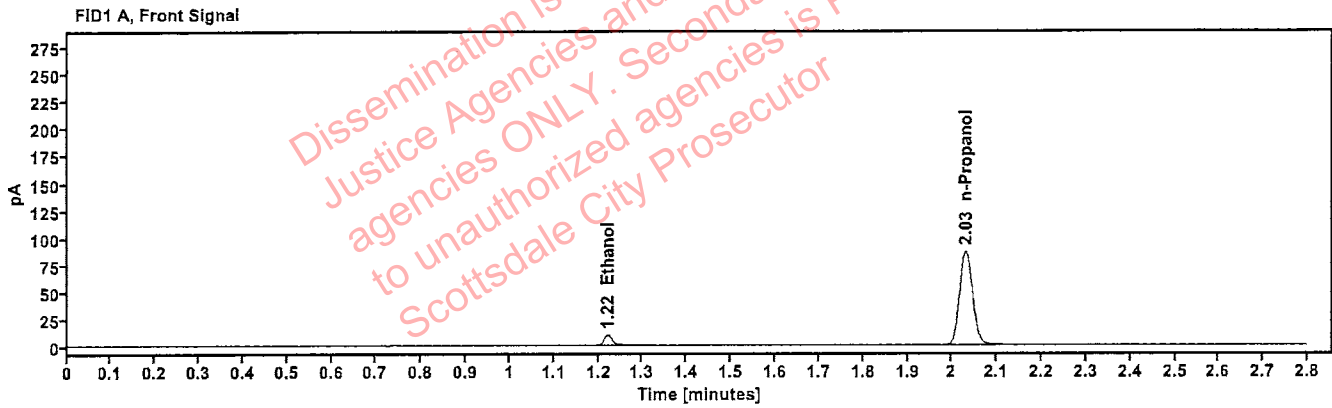


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.221	12.256
n-Propanol	2.030	172.812

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

Compound	Time (min)	Peak Area
Ethanol	1.369	13.482
n-Propanol	2.454	188.311

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03072301	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 25Jun24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/25/2024 3:02:36 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke
<b>Data file:</b> C:\Chem32\1\Data\25Jun24\2.D	

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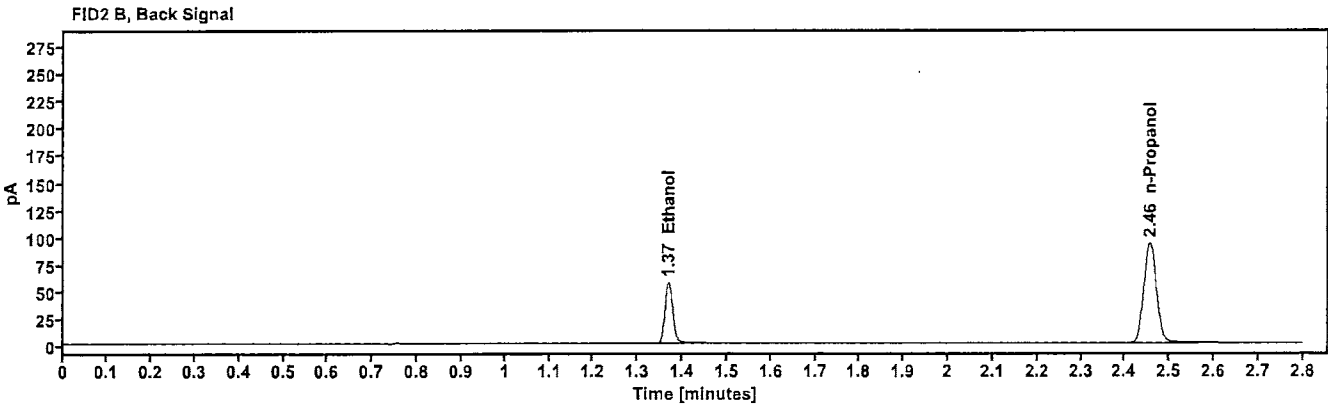
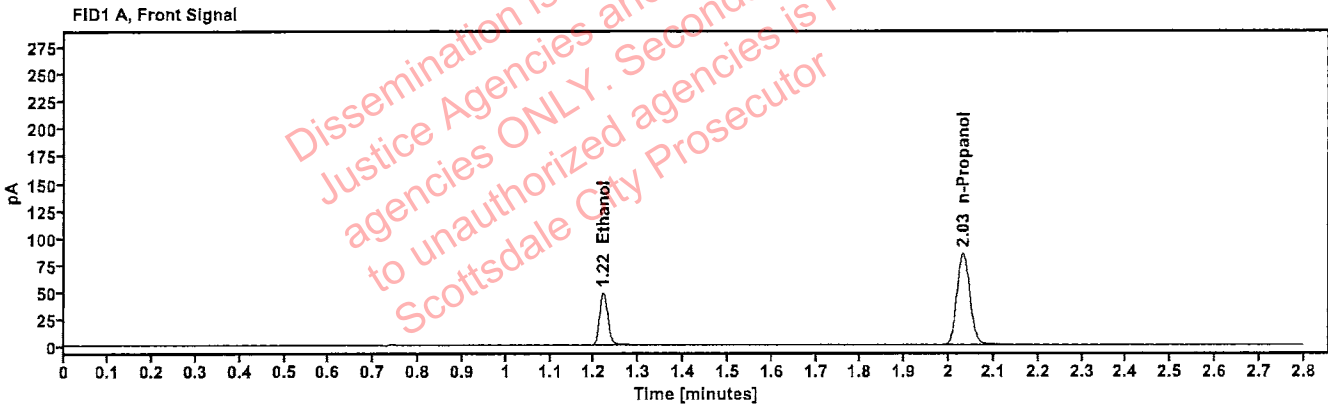


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.220	61.439
n-Propanol	2.031	169.174

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

Compound	Time (min)	Peak Area
Ethanol	1.368	67.709
n-Propanol	2.455	184.008

# Scottsdale Police Department Crime Lab Volatiles Analysis

*WB*

<b>Sample:</b> FN03132302	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 25Jun24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/25/2024 3:06:36 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke
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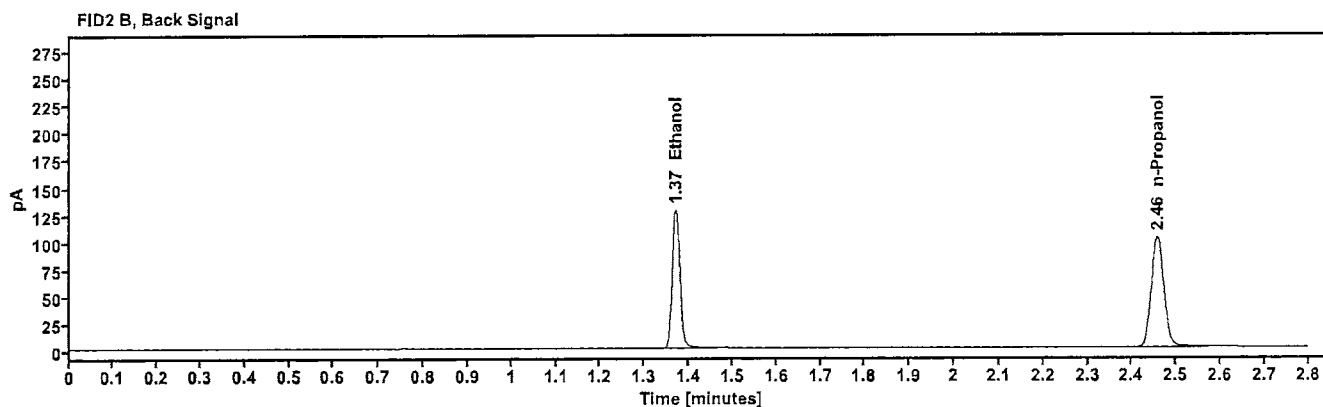
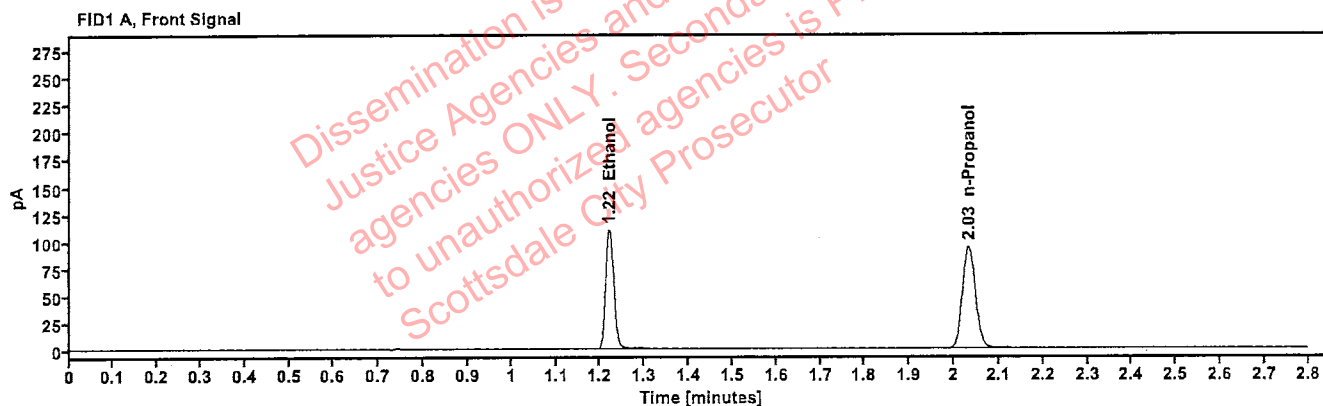


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.220	140.433
n-Propanol	2.032	187.703

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

Compound	Time (min)	Peak Area
Ethanol	1.370	154.805
n-Propanol	2.457	204.029

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03052102	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 25Jun24
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 6/25/2024 3:10:35 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke
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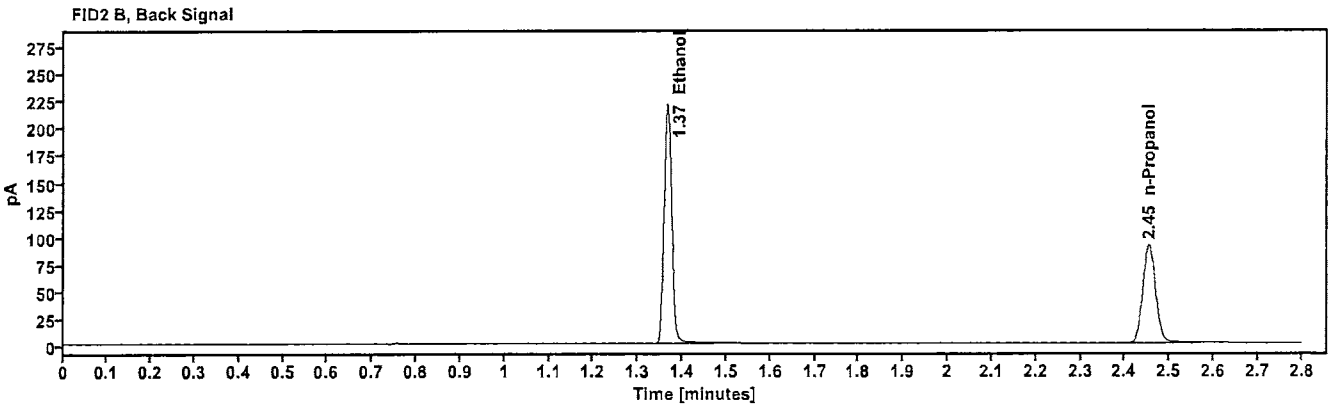
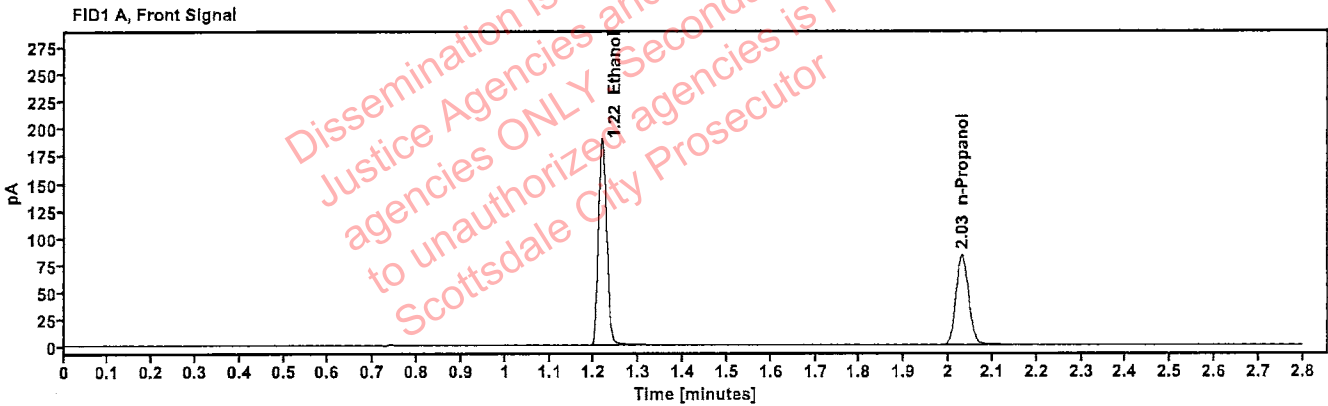


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.217	242.043
n-Propanol	2.030	166.324

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

Compound	Time (min)	Peak Area
Ethanol	1.366	266.953
n-Propanol	2.454	180.617

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 050624WB	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Jun24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/25/2024 3:14:36 PM
<b>Data file:</b> C:\Chem32\1\Data\25Jun24\5.D	<b>Analyst:</b> Brooke

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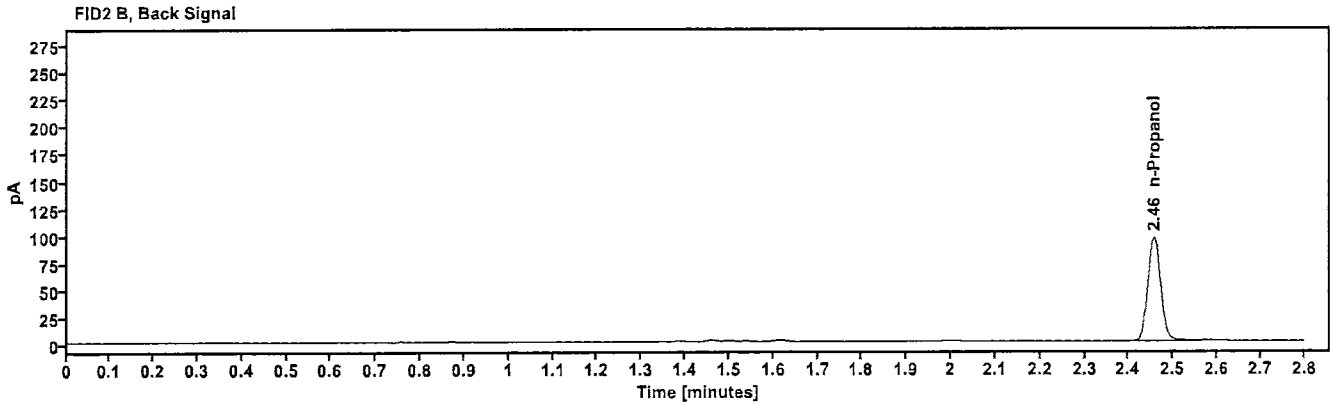
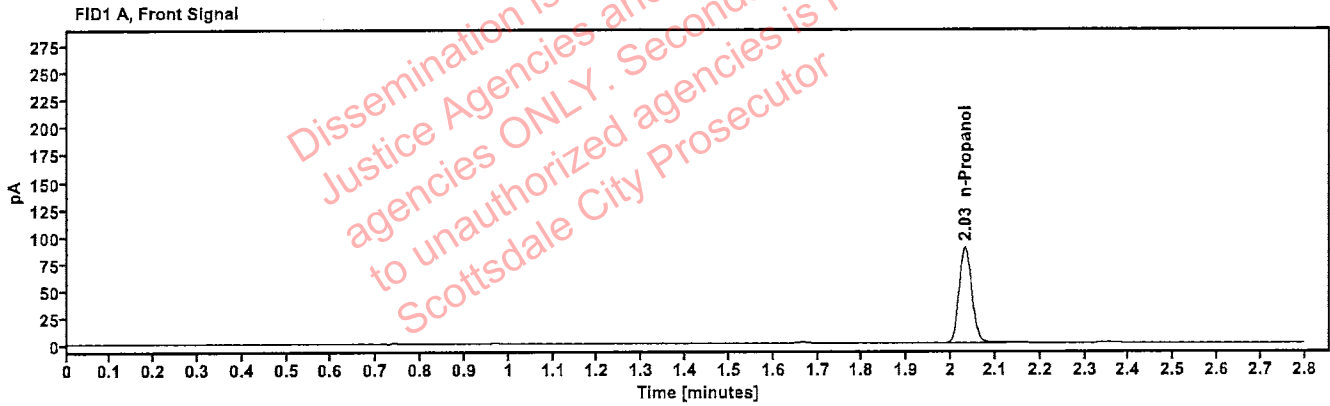


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.032	176.728

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

Compound	Time (min)	Peak Area
n-Propanol	2.457	192.454

# 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>	25Jun24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/25/2024 3:18:36 PM
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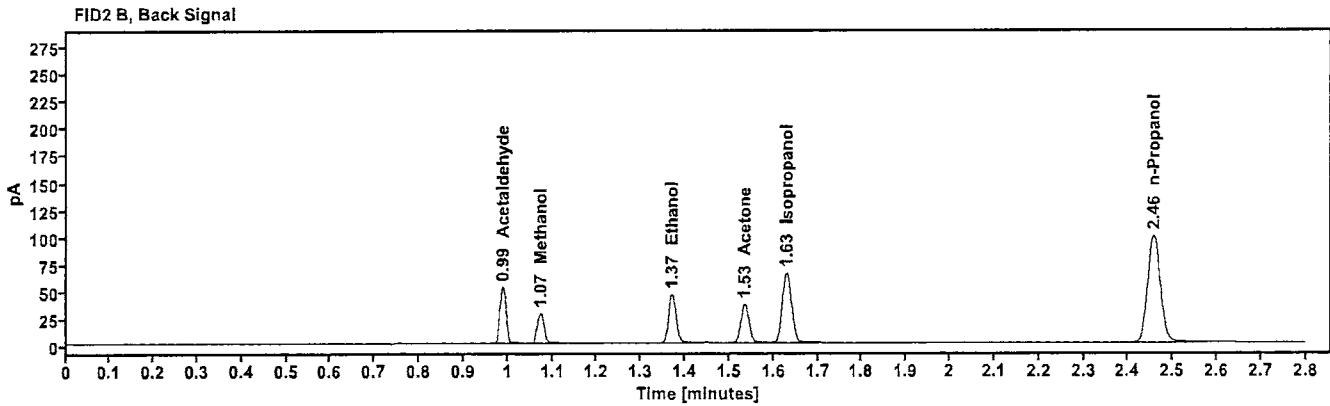
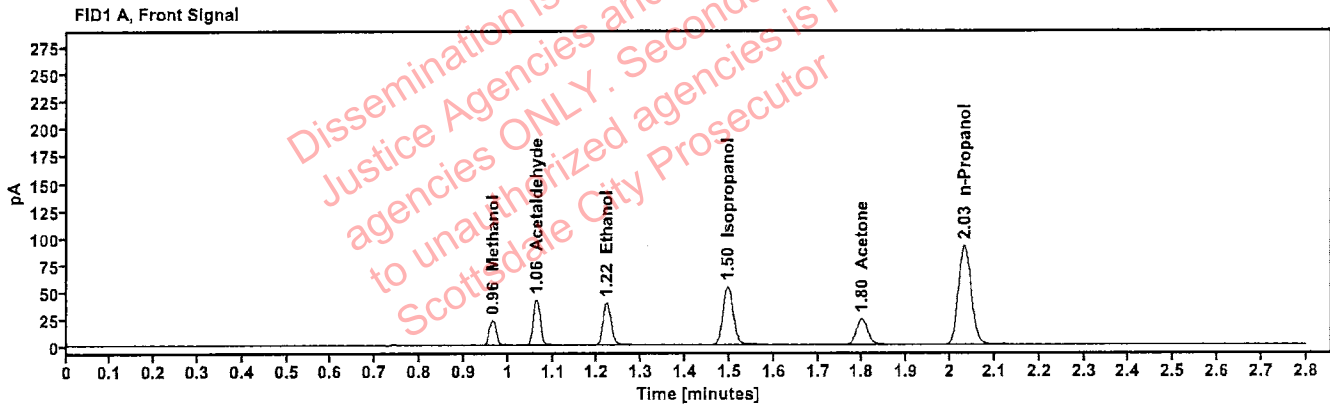


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.965	26.478
Acetaldehyde	-----	1.063	45.623
>Ethanol	0.0738	1.221	49.754
Isopropanol	-----	1.496	86.489
Acetone	-----	1.798	41.869
n-Propanol	-----	2.032	182.891

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.989	51.115
Methanol	1.073	29.536
Ethanol	1.370	54.620
Acetone	1.535	46.123
Isopropanol	1.630	95.438
n-Propanol	2.457	198.384



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	30012020-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 3:22:50 PM
Data file:	C:\Chem32\1\Data\25Jun24\7.D	Analyst:	Brooke

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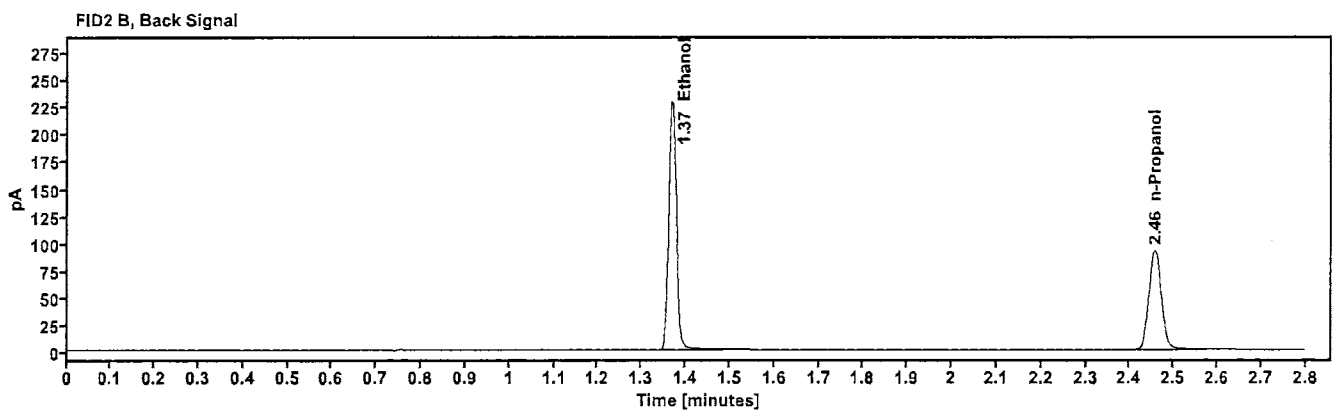
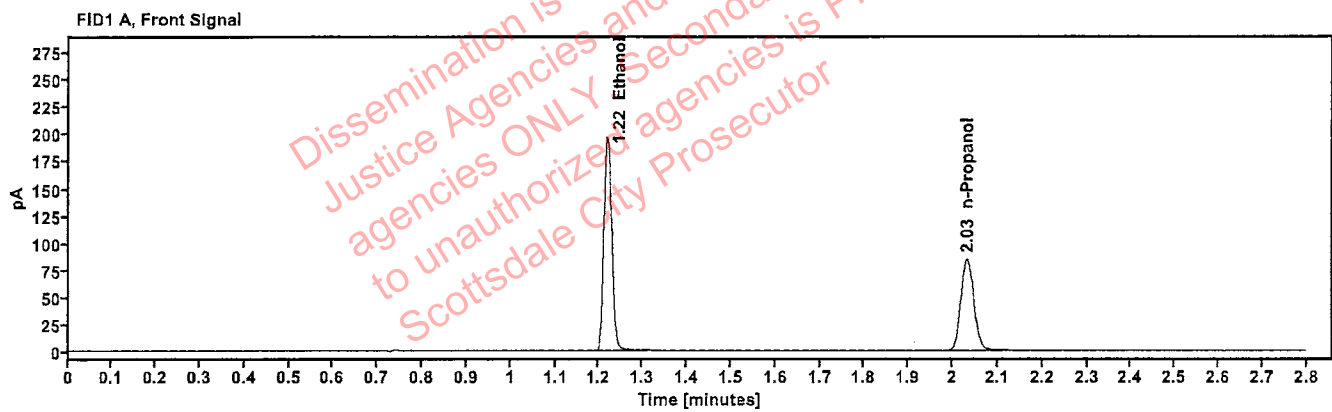


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4050	1.219	251.680
n-Propanol	-----	2.032	170.059

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

Compound	Time (min)	Peak Area
Ethanol	1.369	277.959
n-Propanol	2.456	184.367

# Scottsdale Police Department Crime Lab Volatiles Analysis

y  
PB

<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> 25Jun24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/25/2024 3:26:51 PM
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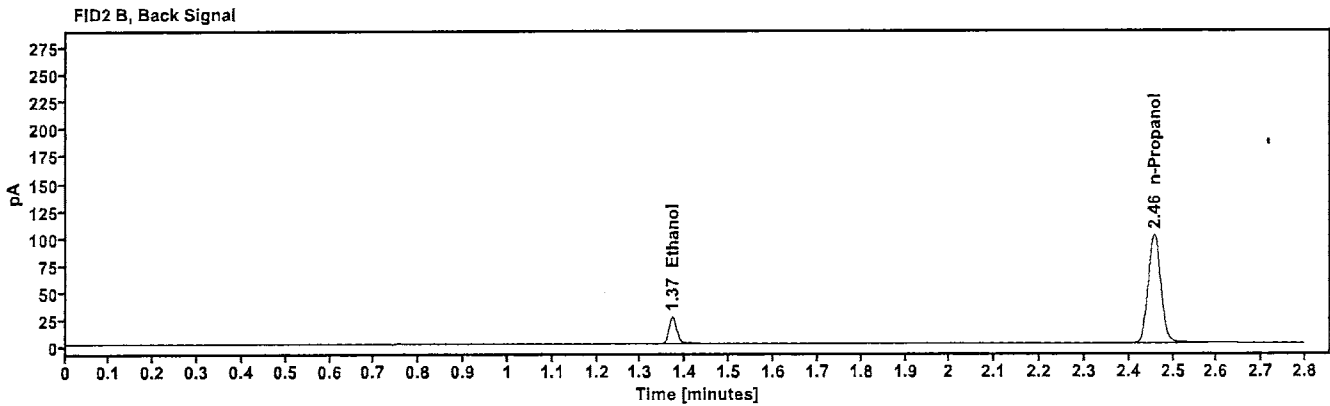
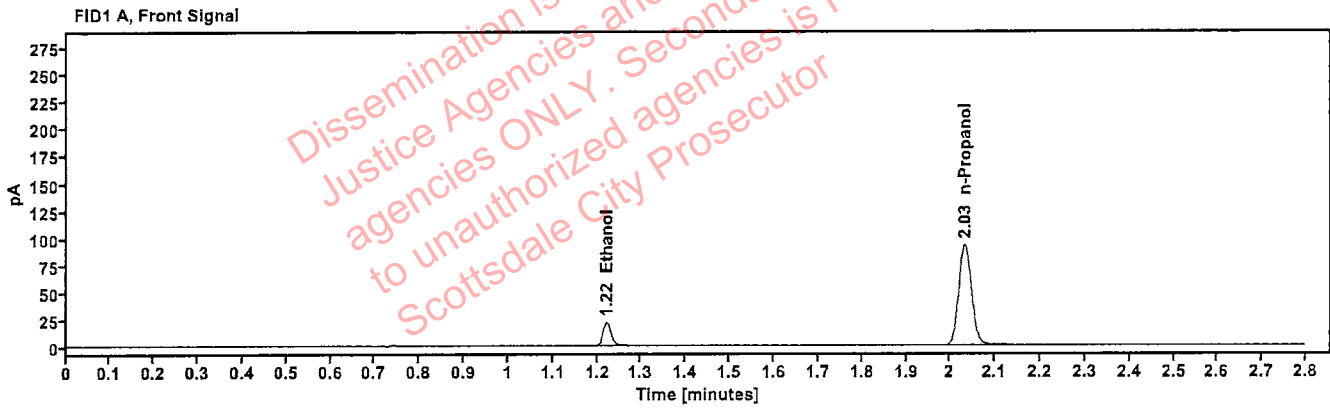


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0402	1.221	27.727
n-Propanol	—	2.032	185.477

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

Compound	Time (min)	Peak Area
Ethanol	1.371	30.384
n-Propanol	2.457	201.146

# 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> 25Jun24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/25/2024 3:30:51 PM
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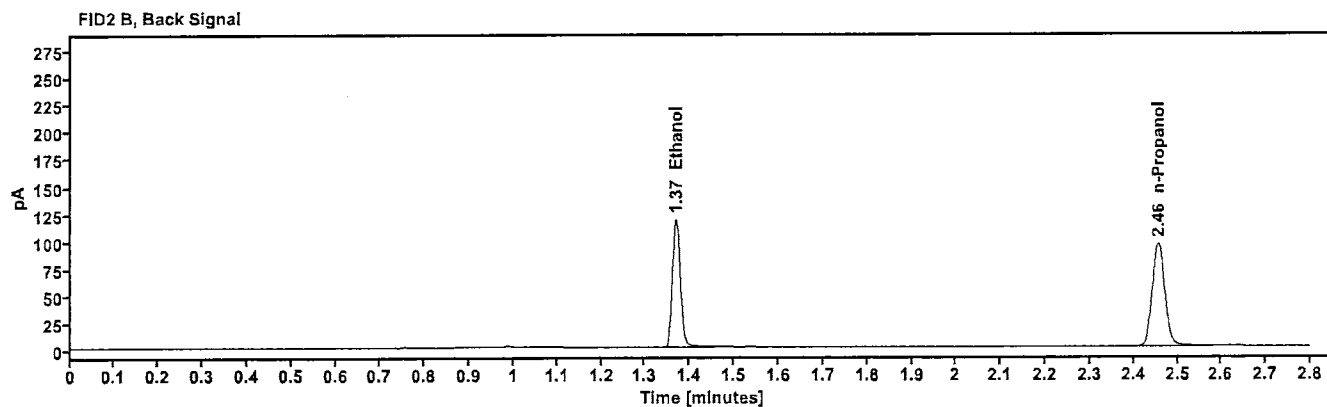
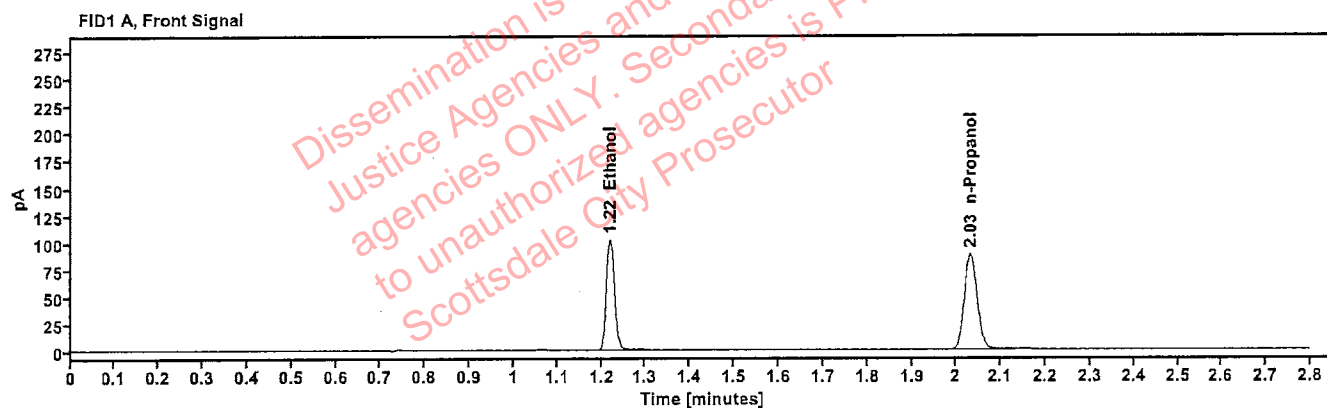


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2025	1.220	130.675
n-Propanol	-----	2.031	176.258

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

Compound	Time (min)	Peak Area
Ethanol	1.369	143.672
n-Propanol	2.456	191.413

# Scottsdale Police Department Crime Lab Volatiles Analysis

JFB

<b>Sample:</b>	25052023-A	<b>Vial:</b>	20
<b>Description:</b>	0.100	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	25Jun24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/25/2024 4:15:20 PM
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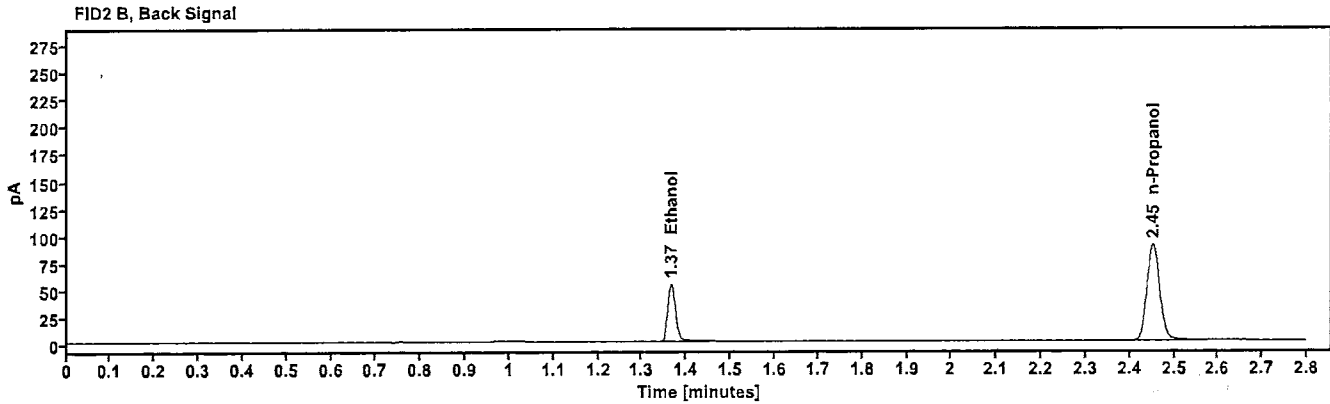
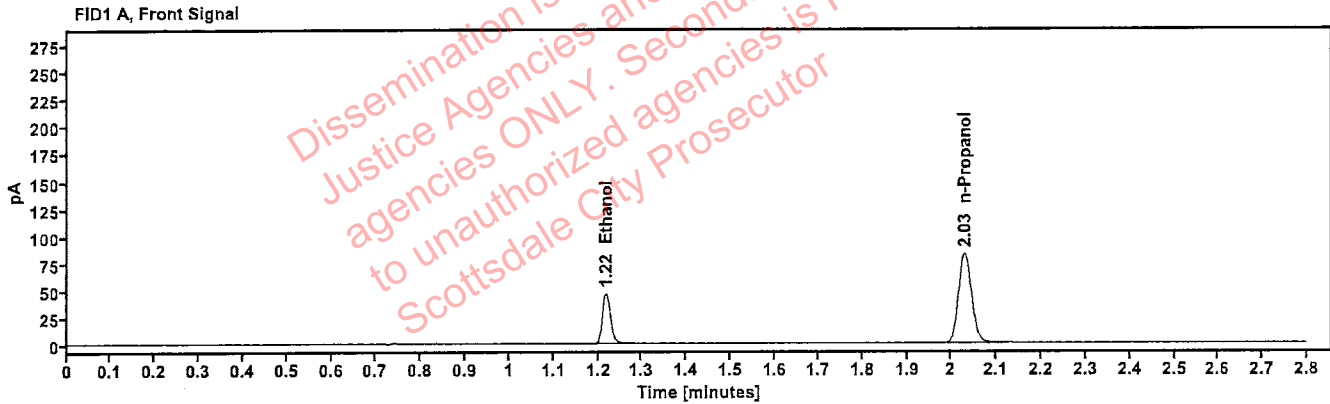


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0973	1.218	59.335
n-Propanol	---	2.029	165.816

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

Compound	Time (min)	Peak Area
Ethanol	1.366	65.193
n-Propanol	2.453	179.775

# Scottsdale Police Department Crime Lab Volatiles Analysis

*AB*

<b>Sample:</b> 4110320133/11	<b>Vial:</b> 31
<b>Description:</b> 0.199	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Jun24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/25/2024 4:59:50 PM
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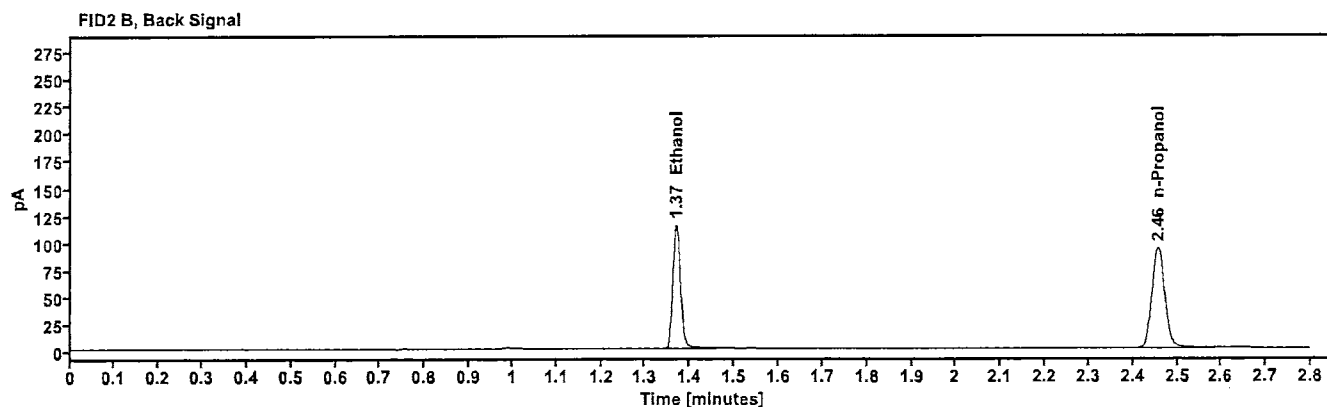
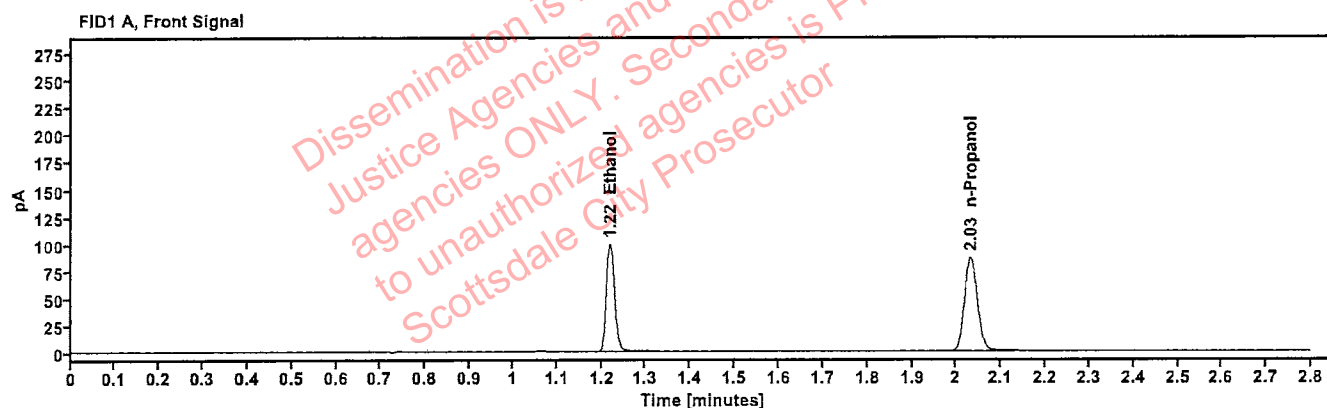


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2008	1.219	127.322
n-Propanol	---	2.032	173.166

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

Compound	Time (min)	Peak Area
Ethanol	1.369	139.913
n-Propanol	2.457	187.840

# 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>	25Jun24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/25/2024 5:44:06 PM
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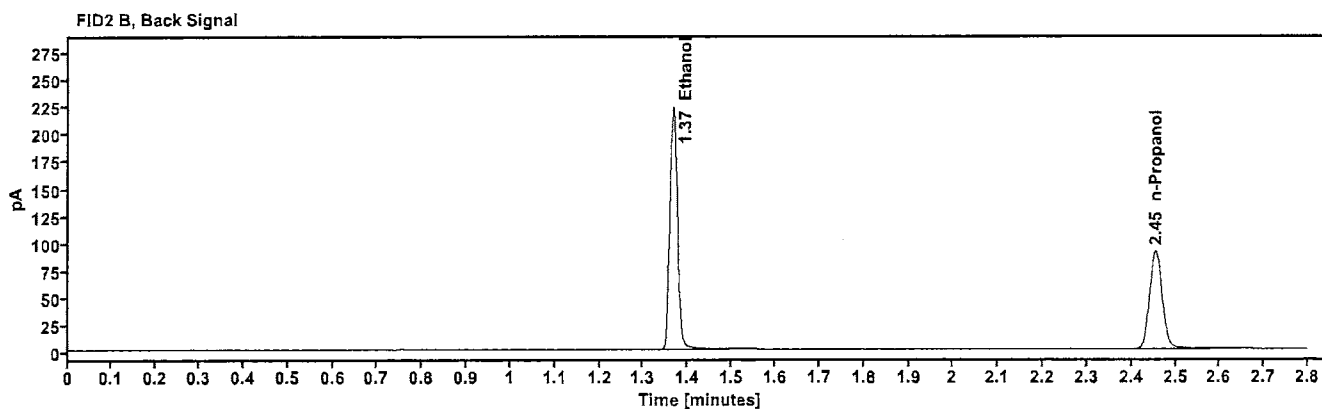
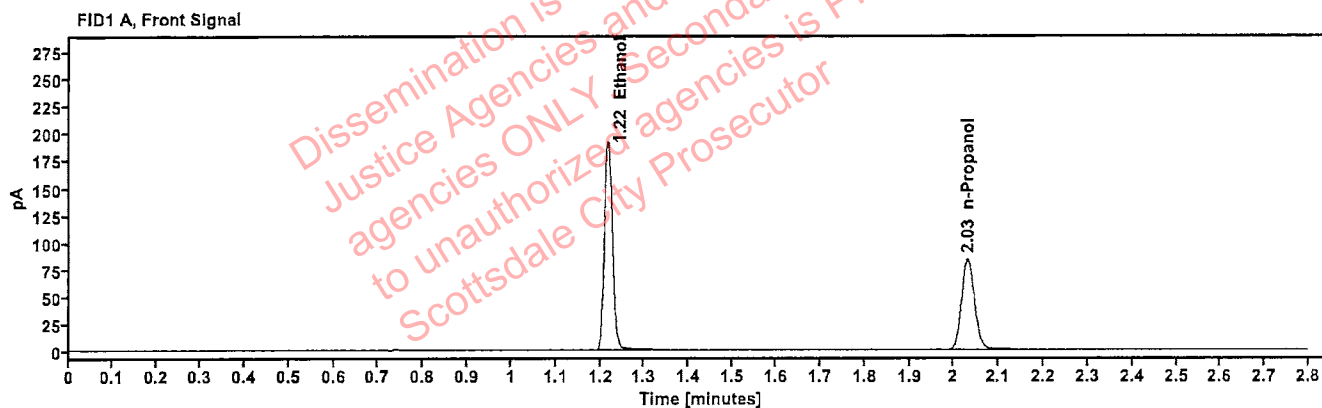


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3990	1.217	244.843
n-Propanol	-----	2.030	167.916

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

Compound	Time (min)	Peak Area
Ethanol	1.366	270.282
n-Propanol	2.454	182.000

# Scottsdale Police Department Crime Lab Volatiles Analysis

*YPS*

<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>	25Jun24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/25/2024 5:48:21 PM
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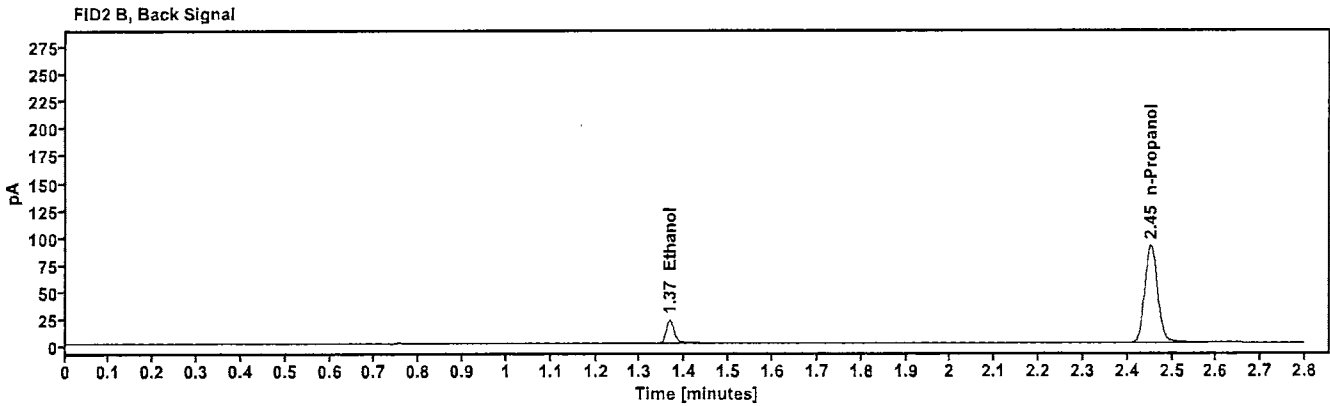
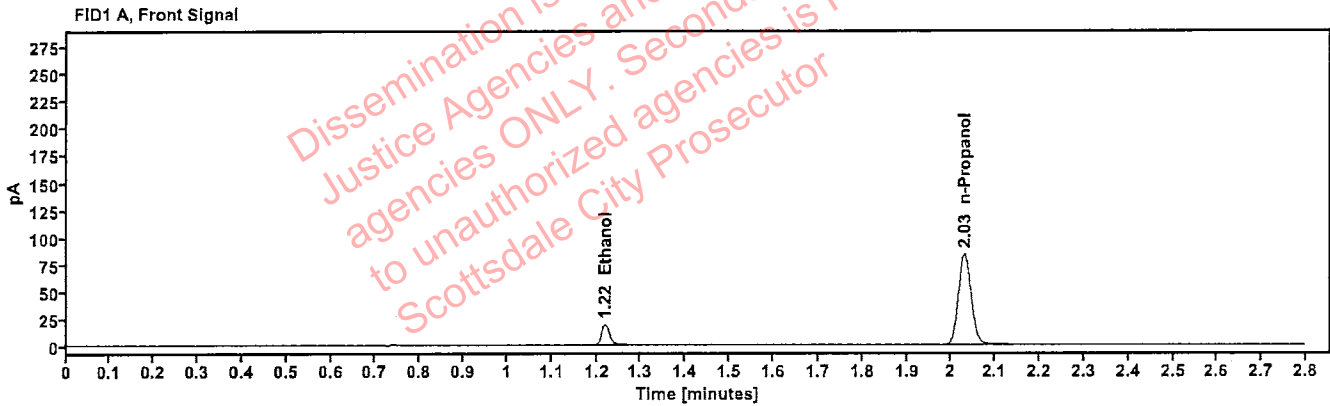


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0387	1.219	24.154
n-Propanol	—	2.029	167.786

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

Compound	Time (min)	Peak Area
Ethanol	1.366	26.384
n-Propanol	2.452	182.067

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	4110320133/11	<b>Vial:</b>	44
<b>Description:</b>	0.199	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	25Jun24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/25/2024 5:52:21 PM
<b>Data file:</b>	C:\Chem32\1\Data\25Jun24\44.D	<b>Analyst:</b>	Brooke

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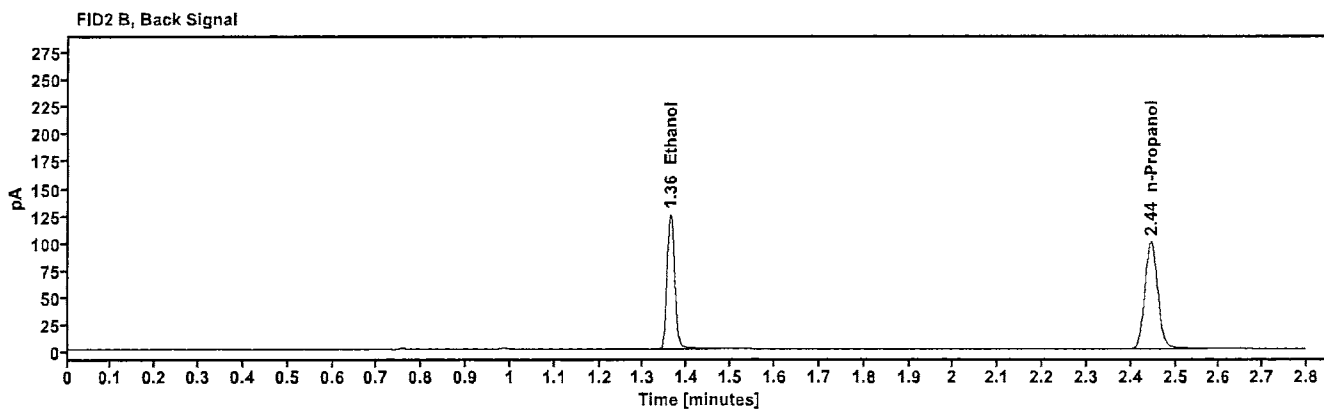
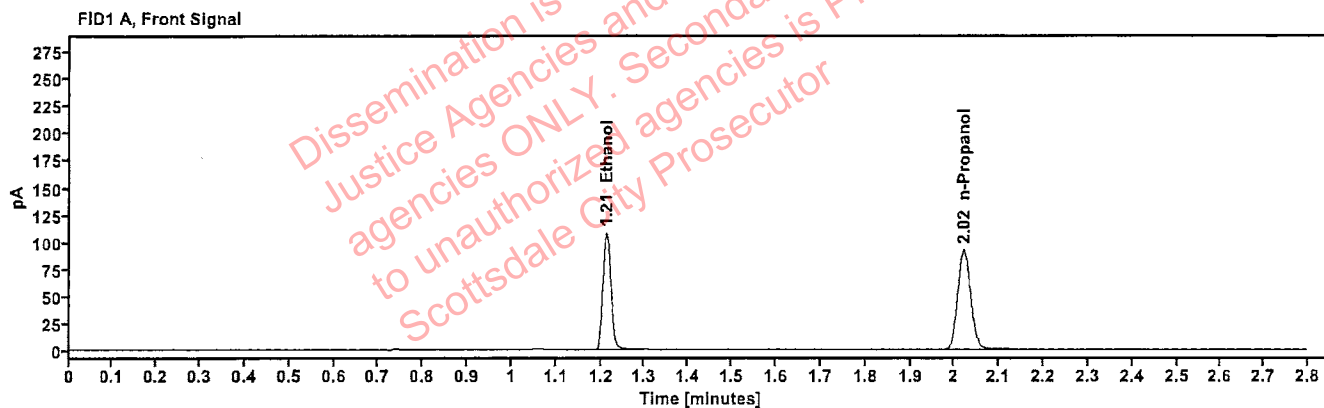


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2034	1.213	137.370
n-Propanol	-----	2.021	184.437

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

Compound	Time (min)	Peak Area
Ethanol	1.361	151.041
n-Propanol	2.445	199.970



# Scottsdale Police Department Crime Lab Volatiles Analysis

*YPB*

<b>Sample:</b>	060724AQ	<b>Vial:</b>	45
<b>Description:</b>	Negative	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	25Jun24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/25/2024 5:56:21 PM
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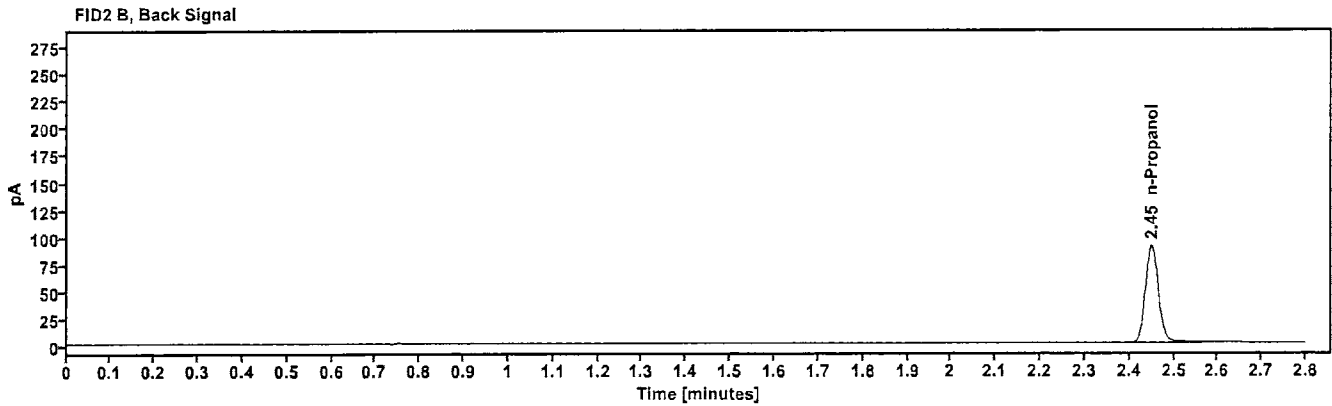
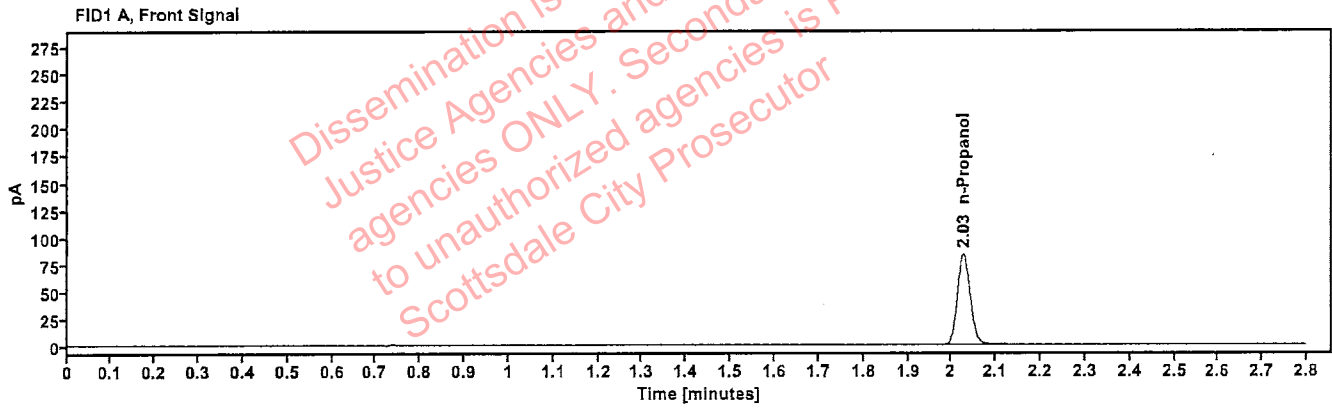


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.027	167.237

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

Compound	Time (min)	Peak Area
n-Propanol	2.450	181.174

PB

# Sequence Summary

Sequence name: 25Jun24 Instrument: US14173023 CN14160045 Analyst: Brooke

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	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	2412262-2		Sample		ethanol quant.M
11	2412262-2		Sample		ethanol quant.M
12	409-01R.O.		Sample		ethanol quant.M
13	409-01R.O.		Sample		ethanol quant.M
14	319-01T.D.		Sample		ethanol quant.M
15	319-01T.D.		Sample		ethanol quant.M
16	436-01B.M.		Sample		ethanol quant.M
17	436-01B.M.		Sample		ethanol quant.M
18	437-01D.R.		Sample		ethanol quant.M
19	437-01D.R.		Sample		ethanol quant.M
20	25052023-A	0.100	Control		ethanol quant.M
21	171-01J.P.		Sample		ethanol quant.M
22	171-01J.P.		Sample		ethanol quant.M
23	353-01Y.C.		Sample		ethanol quant.M
24	353-01Y.C.		Sample		ethanol quant.M
25	425-01E.B.		Sample		ethanol quant.M
26	425-01E.B.		Sample		ethanol quant.M
27	171-01C.S.		Sample		ethanol quant.M
28	171-01C.S.		Sample		ethanol quant.M
29	2412570-1		Sample		ethanol quant.M
30	2412570-1		Sample		ethanol quant.M
31	4110320133/11	0.199	Control		ethanol quant.M
32	2401318-2		Sample		ethanol quant.M
33	2401318-2		Sample		ethanol quant.M
34	2412681-1		Sample		ethanol quant.M
35	2412681-1		Sample		ethanol quant.M
36	2412802-1		Sample		ethanol quant.M
37	2412802-1		Sample		ethanol quant.M
38	2412922-1		Sample		ethanol quant.M
39	2412922-1		Sample		ethanol quant.M
40	12052023-B	Lipomed, 0.400	Sample	validation	ethanol quant.M
41	12052023-B	Lipomed, 0.400	Sample	validation	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	060724AQ	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

*BB*

SEQUENCE NAME: 25Jun24

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2730	0.2688	0.27090	0.78	0.00210
12 13	0.0000	0.0000	0.00000	0.00	0.00000
14 15	0.0764	0.0768	0.07660	0.26	0.00020
16 17	0.1432	0.1416	0.14240	0.56	0.00080
18 19	0.2065	0.2103	0.20840	0.91	0.00190
21 22	0.0000	0.0000	0.00000	0.00	0.00000
23 24	0.1974	0.1958	0.19660	0.41	0.00080
25 26	0.2114	0.2112	0.21130	0.05	0.00010
27 28	0.3312	0.3312	0.33120	0.00	0.00000
29 30	0.1869	0.1856	0.18625	0.35	0.00065
32 33	0.1642	0.1614	0.16280	0.86	0.00140
34 35	0.1210	0.1198	0.12040	0.50	0.00060
36 37	0.2088	0.2100	0.20940	0.29	0.00060
38 39	0.2407	0.2404	0.24055	0.06	0.00015
40 41	0.3971	0.3993	0.39820	0.28	0.00110

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

Scottsdale Forensic Lab  
Blood Alcohol Pipetting Log

PB

ANALYST: Brooke

SEQUENCE: 25Jun24

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2412262-2	2412262-2	2412262-2	Yes
Vials 12 and 13	409-01R.O.	409-01R.O.	409-01R.O.	Yes
Vials 14 and 15	319-01T.D.	319-01T.D.	319-01T.D.	Yes
Vials 16 and 17	436-01B.M.	436-01B.M.	436-01B.M.	Yes
Vials 18 and 19	437-01D.R.	437-01D.R.	437-01D.R.	Yes
Vials 21 and 22	171-01J.P.	171-01J.P.	171-01J.P.	Yes
Vials 23 and 24	353-01Y.C.	353-01Y.C.	353-01Y.C.	Yes
Vials 25 and 26	425-01E.B.	425-01E.B.	425-01E.B.	Yes
Vials 27 and 28	171-01C.S.	171-01C.S.	171-01C.S.	Yes
Vials 29 and 30	2412570-1	2412570-1	2412570-1	Yes
Vials 32 and 33	2401318-2	2401318-2	2401318-2	Yes
Vials 34 and 35	2412681-1	2412681-1	2412681-1	Yes
Vials 36 and 37	2412802-1	2412802-1	2412802-1	Yes
Vials 38 and 39	2412922-1	2412922-1	2412922-1	Yes
Vials 40 and 41	12052023-B	12052023-B	12052023-B	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412262-2	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 3:34:50 PM
Data file:	C:\Chem32\1\Data\25Jun24\10.D	Analyst:	Brooke

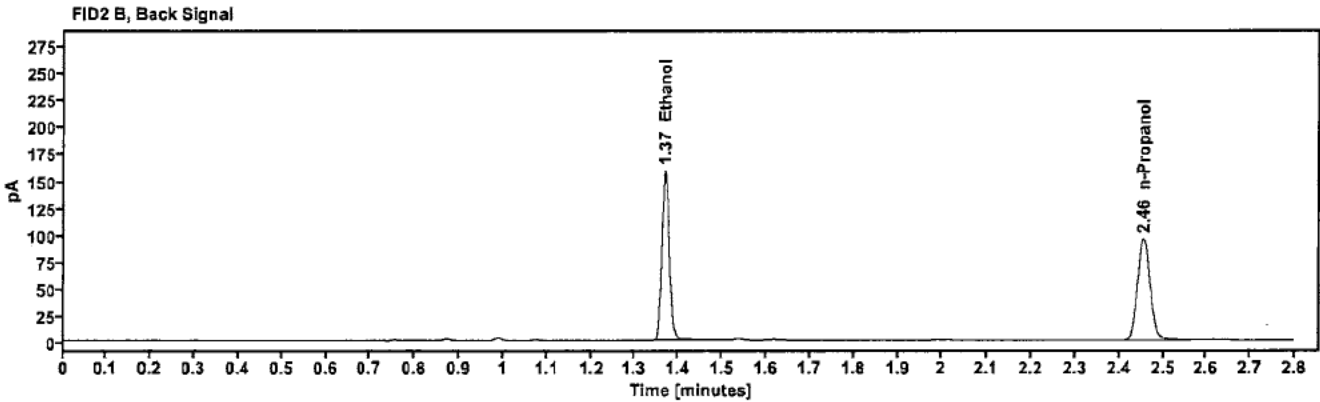
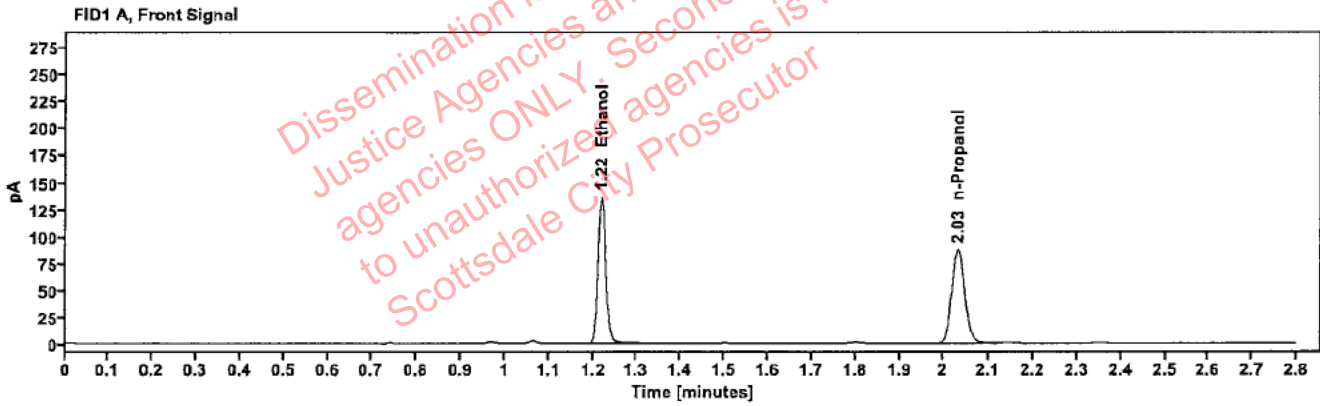


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2730	1.219	174.485
n-Propanol	—	2.031	174.725

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

Compound	Time (min)	Peak Area
Ethanol	1.368	192.064
n-Propanol	2.456	189.621

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412262-2	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 3:38:51 PM
Data file:	C:\Chem32\1\Data\25Jun24\11.D	Analyst:	Brooke

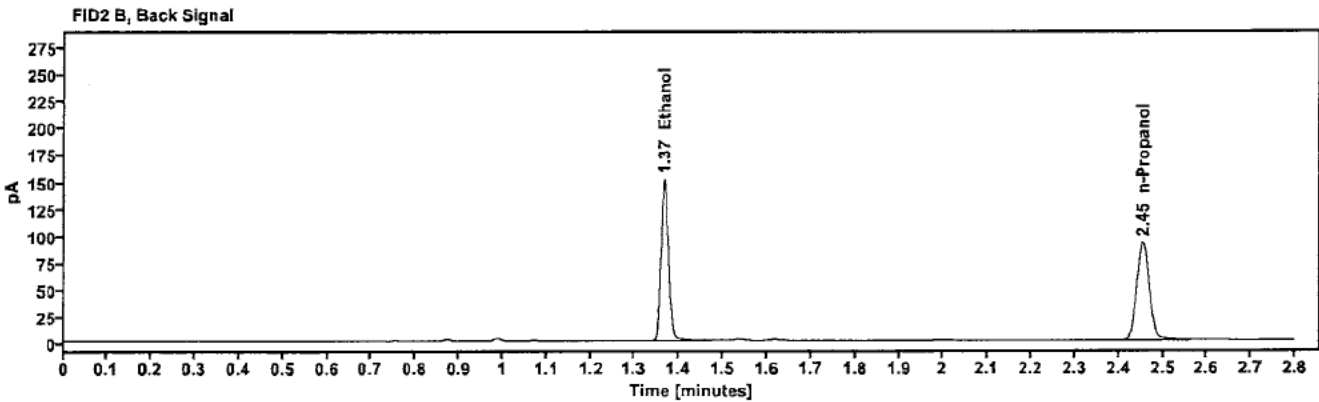
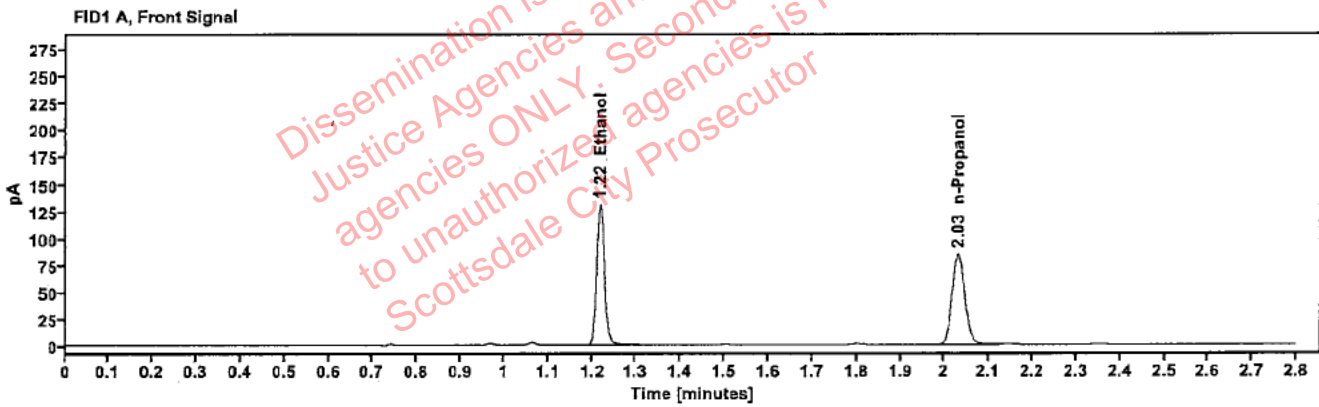


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2688	1.218	166.127
n-Propanol	-----	2.031	168.940

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

Compound	Time (min)	Peak Area
Ethanol	1.367	184.248
n-Propanol	2.455	183.348

Brooke, Phillip - (26-Jun-2024)

Case: User: pbrooke 6/26/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01R.O.	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 3:42:51 PM
Data file:	C:\Chem32\1\Data\25Jun24\12.D	Analyst:	Brooke

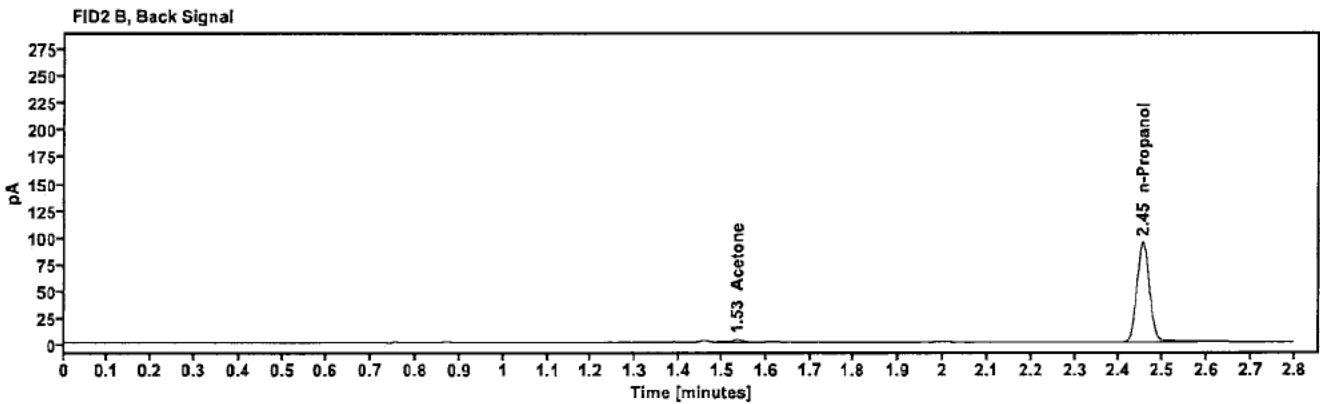
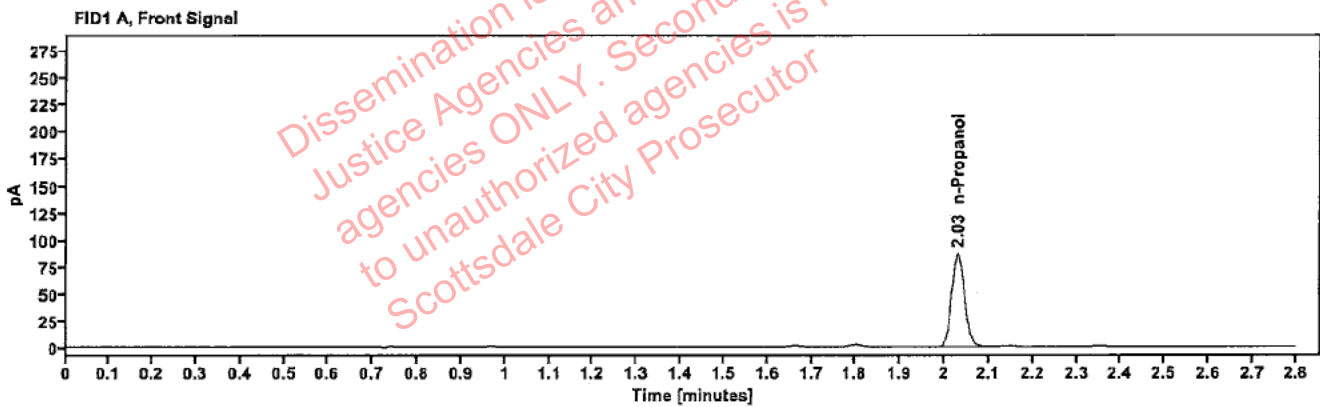


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.030	172.586

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

Compound	Time (min)	Peak Area
Acetone	1.534	4.121
n-Propanol	2.454	187.884



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01R.O.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 3:47:06 PM
Data file:	C:\Chem32\1\Data\25Jun24\13.D	Analyst:	Brooke

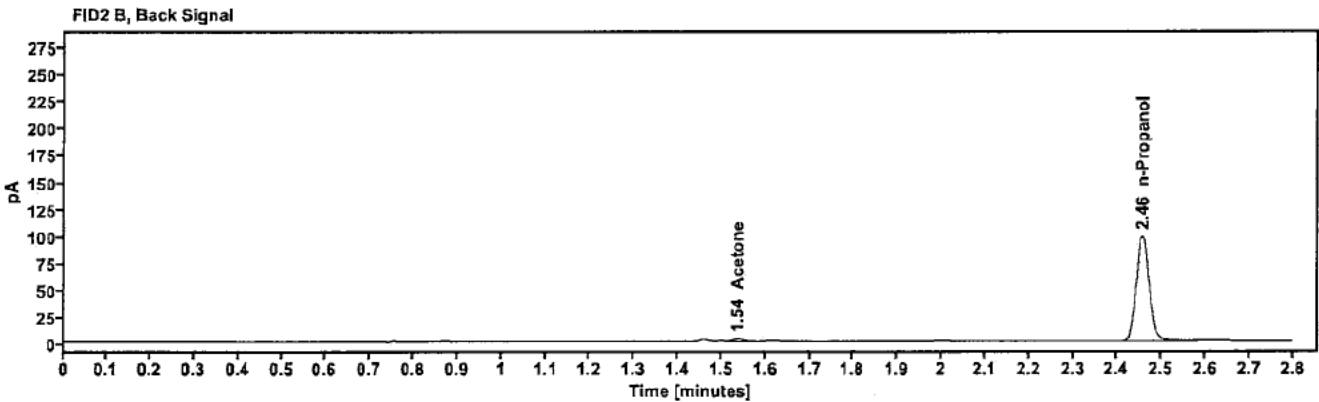
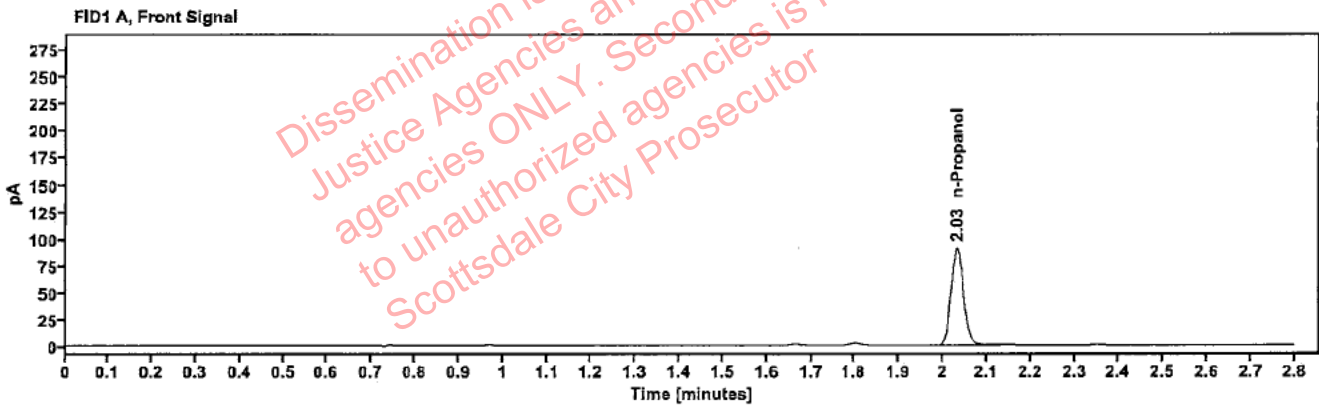


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.032	182.188

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

Compound	Time (min)	Peak Area
Acetone	1.537	3.929
n-Propanol	2.457	198.142



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	319-01T.D.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 3:51:06 PM
Data file:	C:\Chem32\1\Data\25Jun24\14.D	Analyst:	Brooke

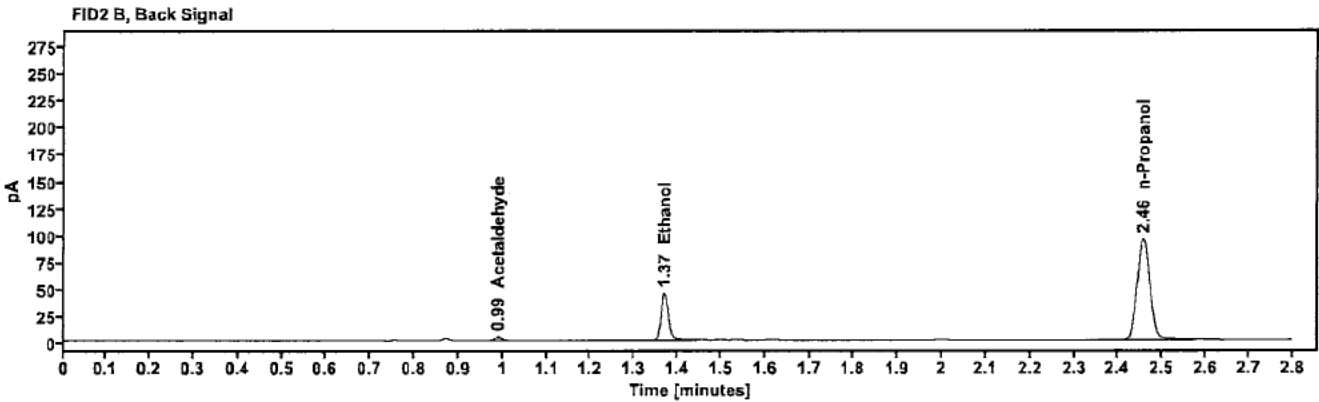
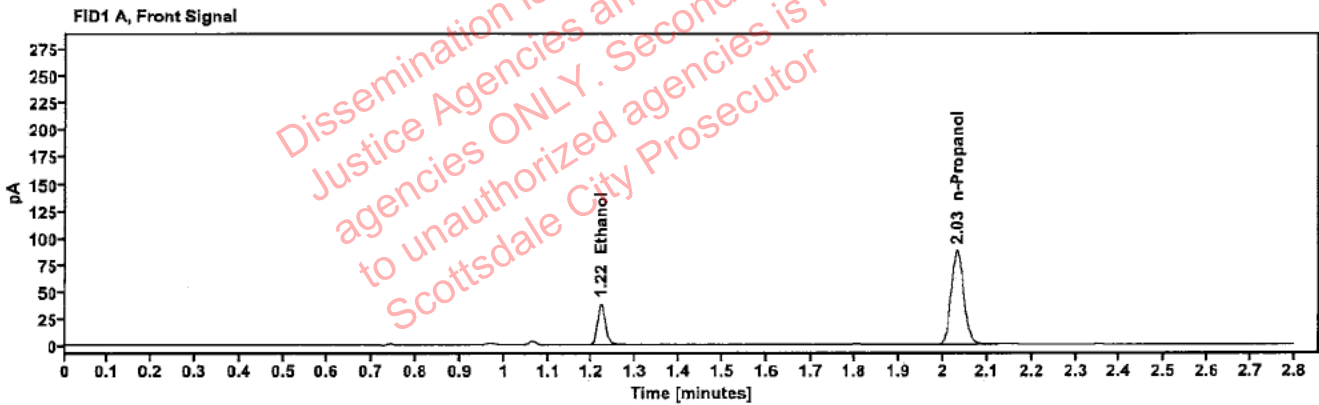


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0764	1.220	49.216
n-Propanol	---	2.032	174.757

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.989	3.770
Ethanol	1.369	54.616
n-Propanol	2.456	189.856

### Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	319-01T.D.	<b>Vial:</b>	15
<b>Description:</b>	██████████	<b>LIMS ID:</b>	██████████
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	25Jun24
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	6/25/2024 3:55:06 PM
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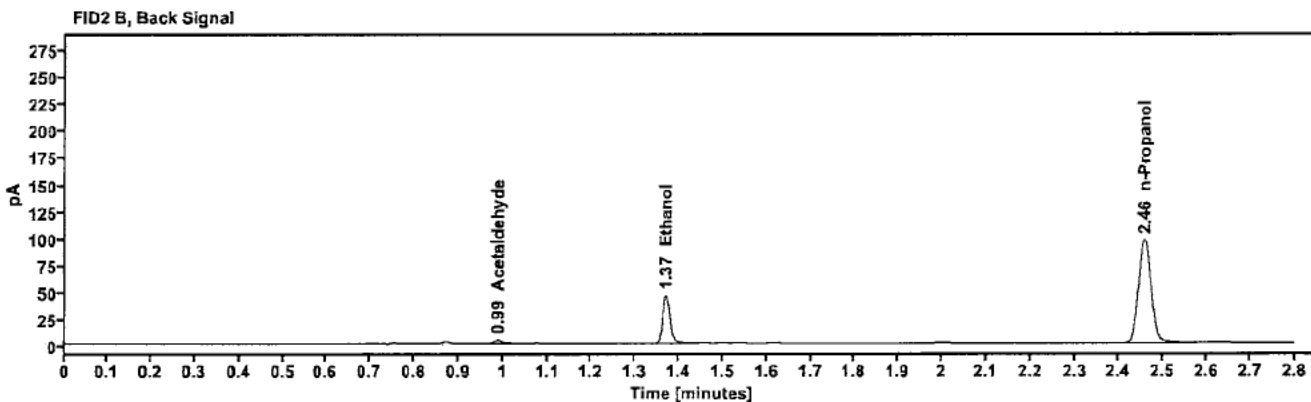
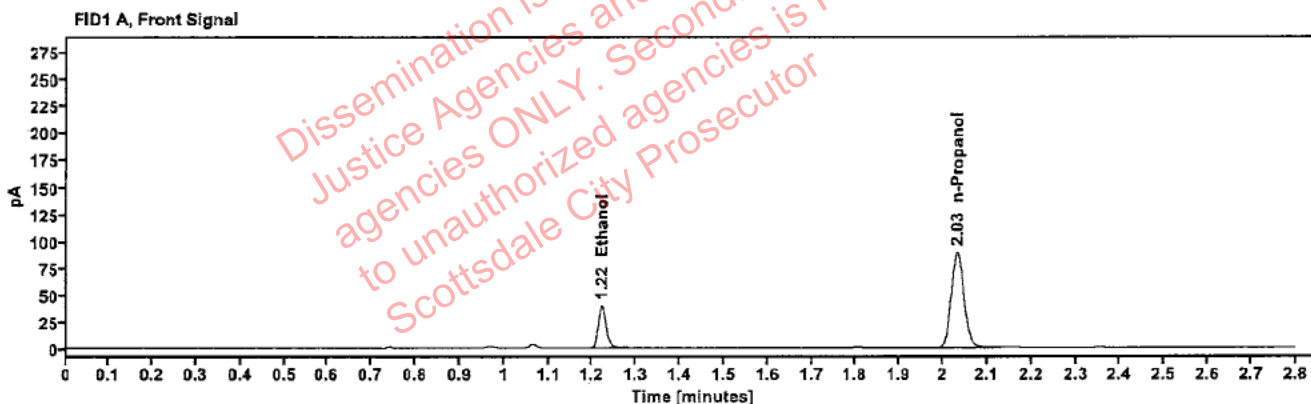


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0768	1.221	50.512
n-Propanol	-----	2.032	178.556

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.989	3.807
Ethanol	1.370	55.221
n-Propanol	2.457	194.120

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	436-01B.M.	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 3:59:06 PM
Data file:	C:\Chem32\1\Data\25Jun24\16.D	Analyst:	Brooke

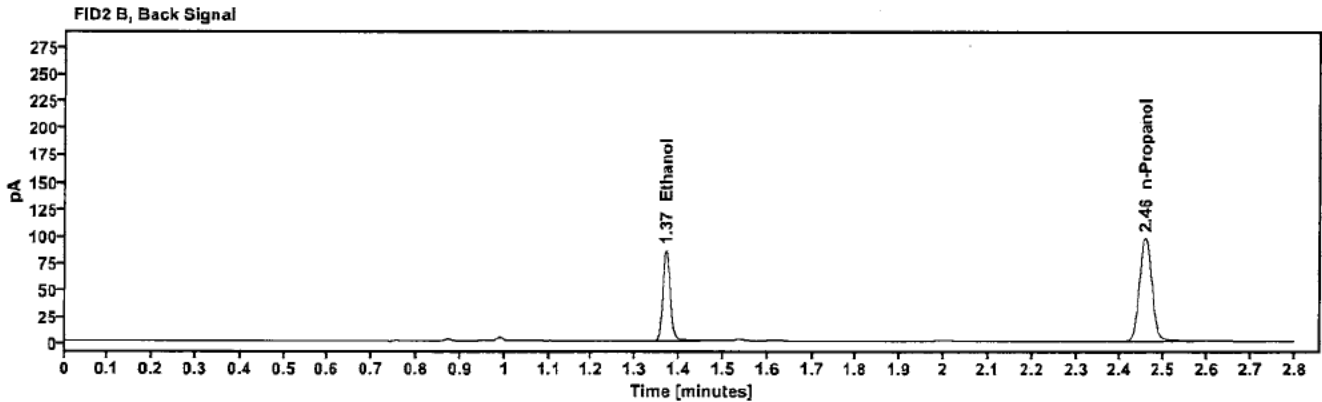
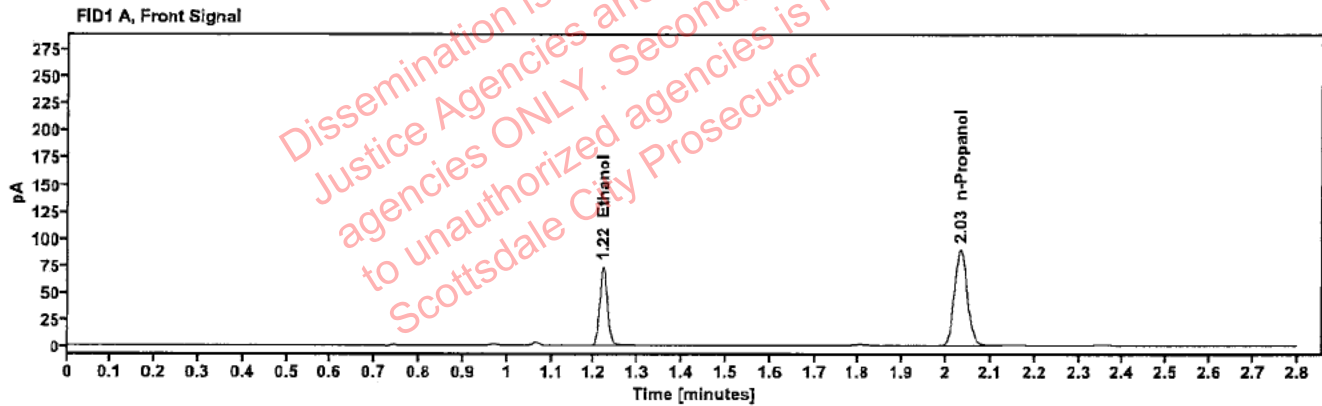


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1432	1.220	94.415
n-Propanol	—	2.032	179.744

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

Compound	Time (min)	Peak Area
Ethanol	1.370	103.463
n-Propanol	2.457	195.058

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	436-01B.M.	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:03:05 PM
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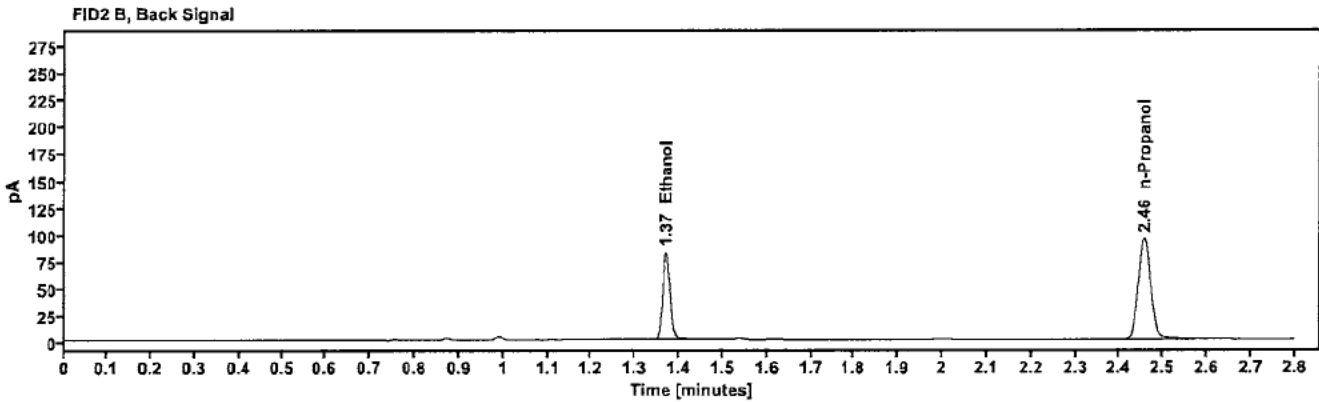
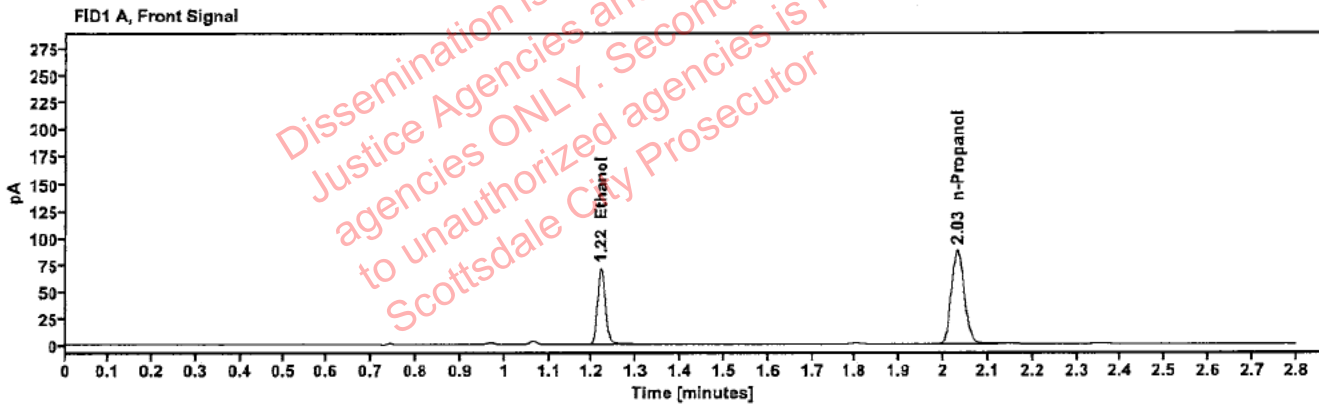


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1416	1.220	90.804
n-Propanol	---	2.032	174.851

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

Compound	Time (min)	Peak Area
Ethanol	1.369	99.616
n-Propanol	2.456	189.752

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	437-01D.R.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:07:06 PM
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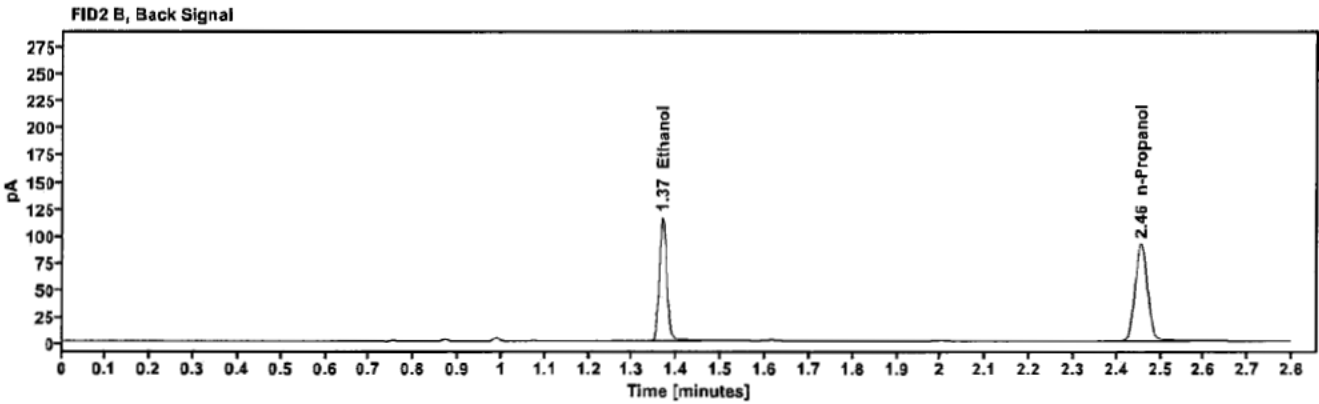
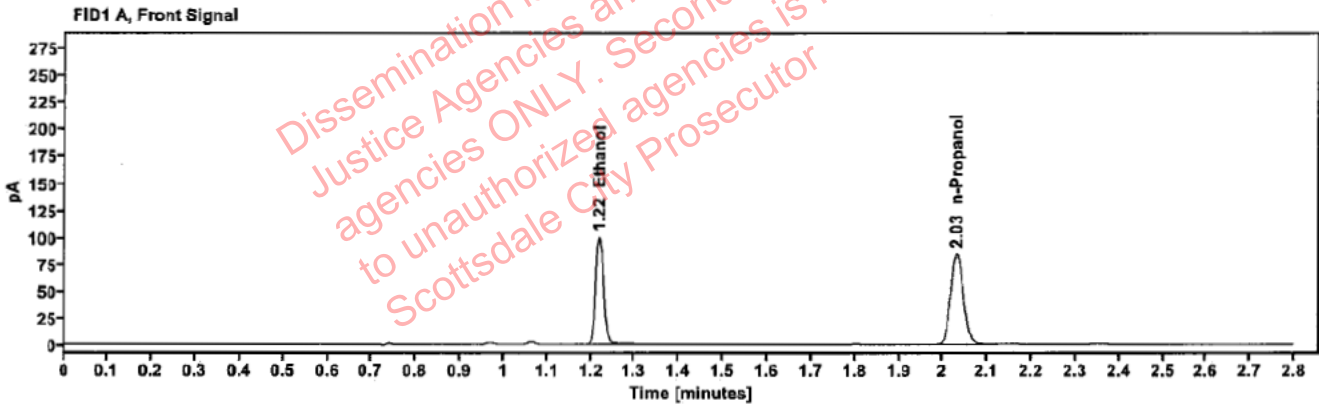


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2065	1.219	127.414
n-Propanol	—	2.031	168.491

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

Compound	Time (min)	Peak Area
Ethanol	1.368	140.187
n-Propanol	2.455	182.765

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	437-01D.R.	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:11:21 PM
Data file:	C:\Chem32\1\Data\25Jun24\19.D	Analyst:	Brooke

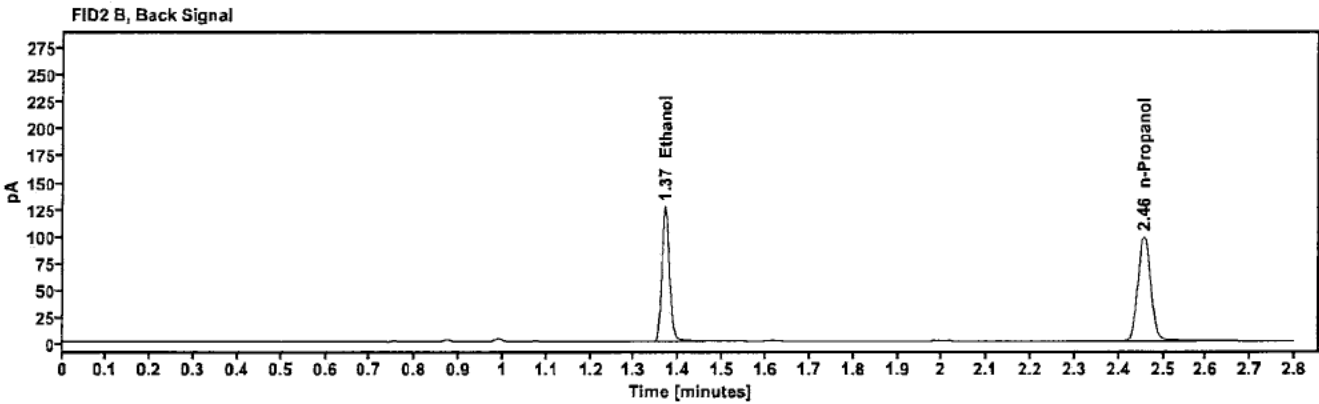
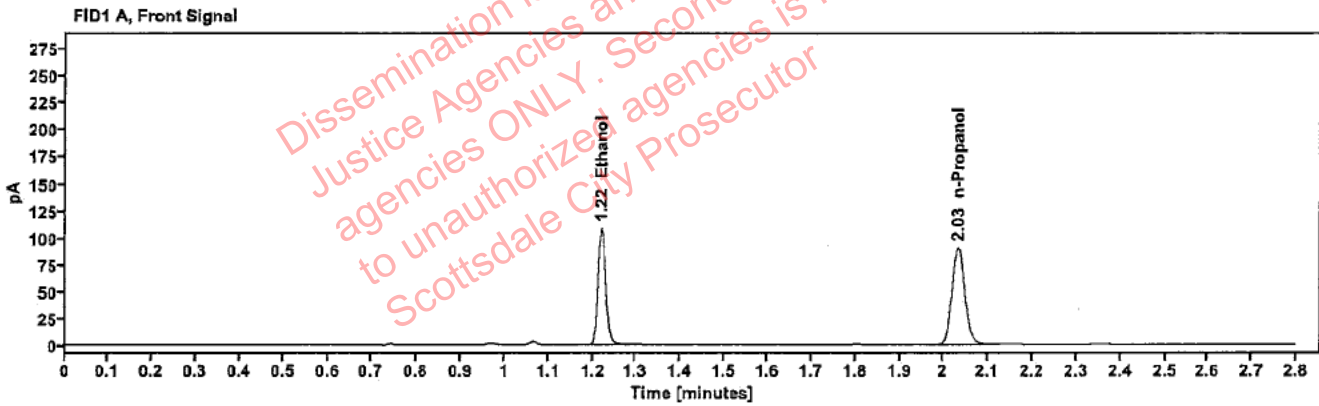


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2103	1.220	139.100
n-Propanol	---	2.032	180.673

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

Compound	Time (min)	Peak Area
Ethanol	1.370	153.236
n-Propanol	2.457	196.341

**Scottsdale Police Department Crime Lab Volatiles Analysis**

Sample:	171-01J.P.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:19:21 PM
Data file:	C:\Chem32\1\Data\25Jun24\21.D	Analyst:	Brooke

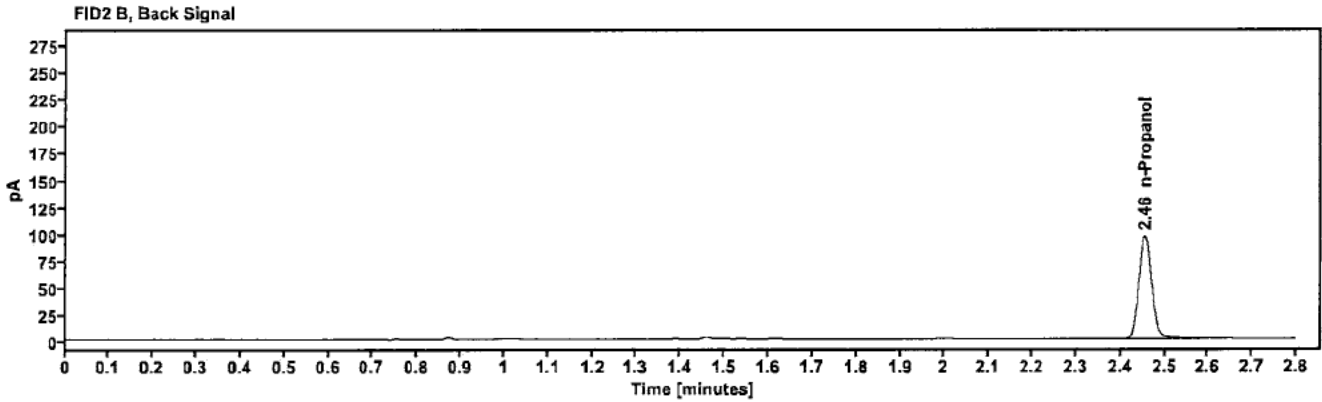
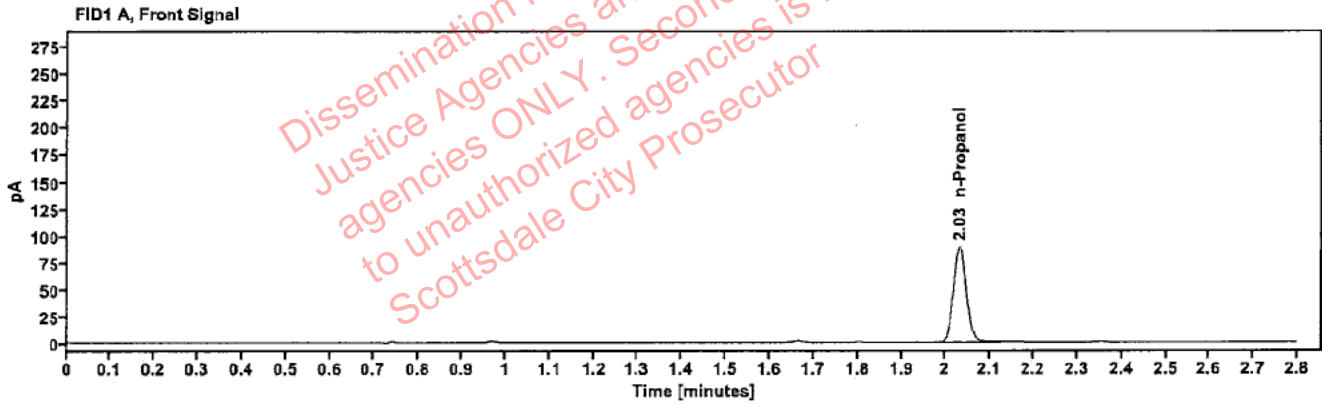


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.031	177.688

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

Compound	Time (min)	Peak Area
n-Propanol	2.456	193.561

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	171-01J.P.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:23:20 PM
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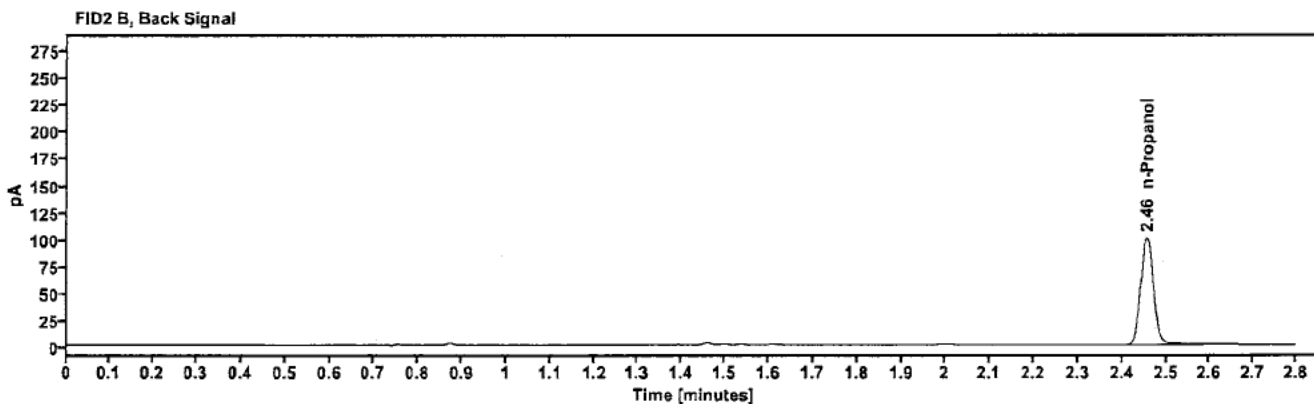
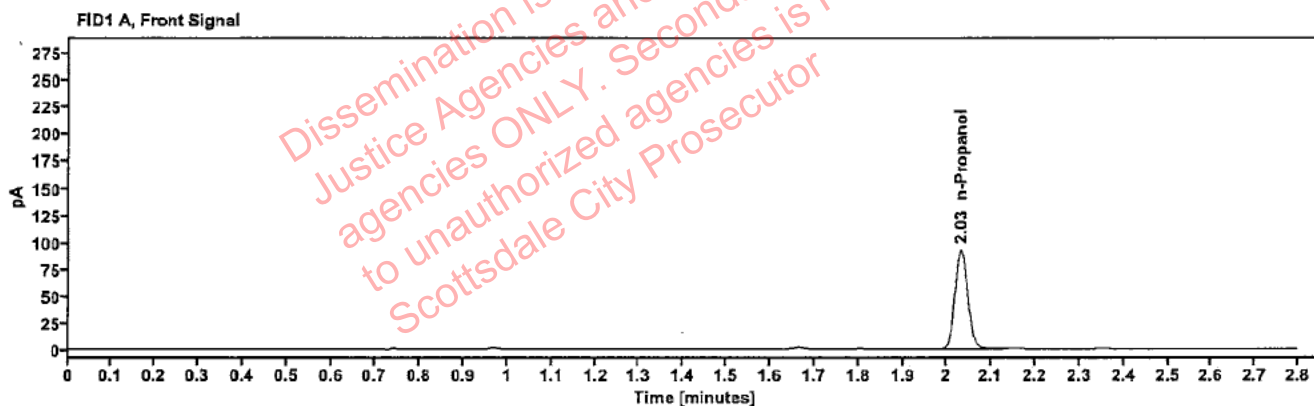


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.031	184.803

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

Compound	Time (min)	Peak Area
n-Propanol	2.456	201.300



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01Y.C.	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:27:20 PM
Data file:	C:\Chem32\1\Data\25Jun24\23.D	Analyst:	Brooke

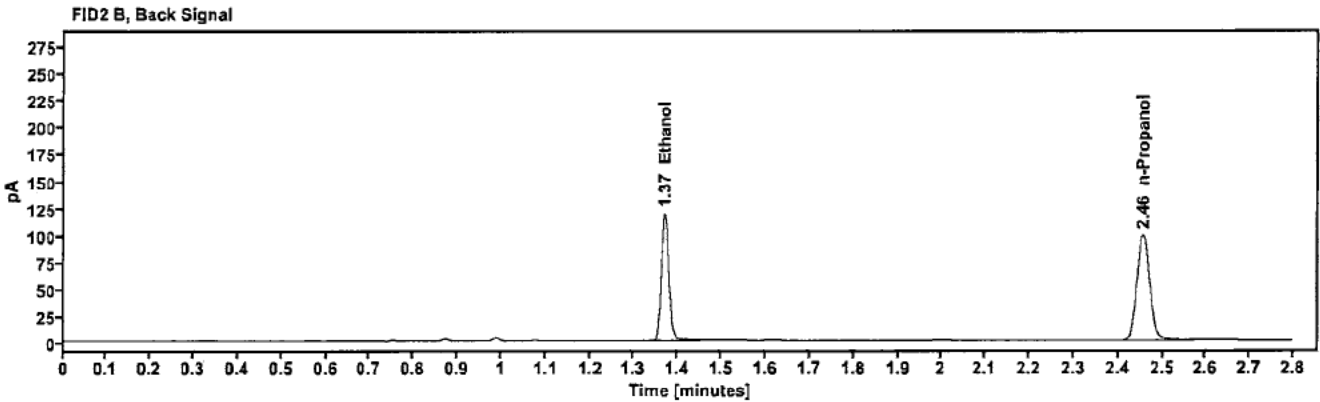
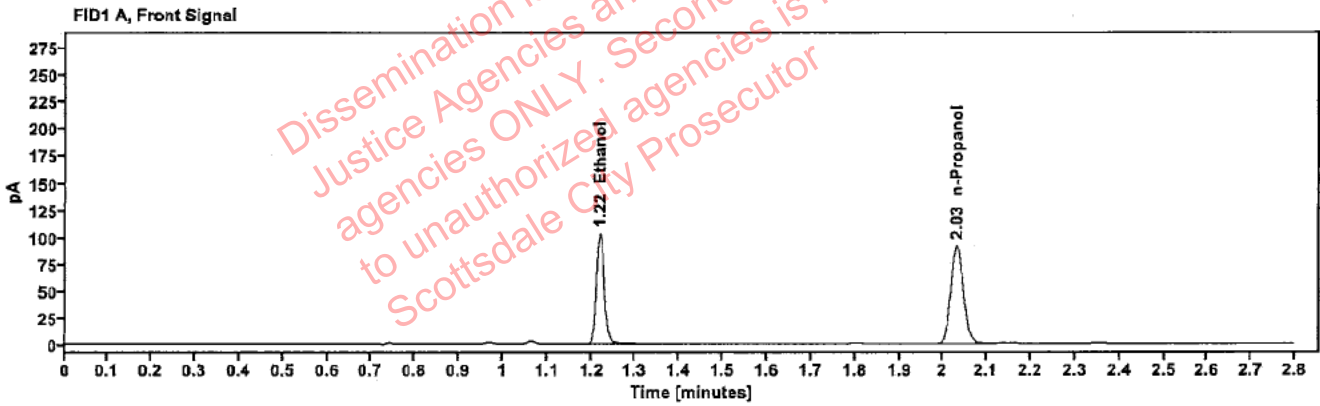


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1974	1.219	132.031
n-Propanol	---	2.031	182.686

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

Compound	Time (min)	Peak Area
Ethanol	1.369	145.146
n-Propanol	2.456	198.409

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01Y.C.	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:31:20 PM
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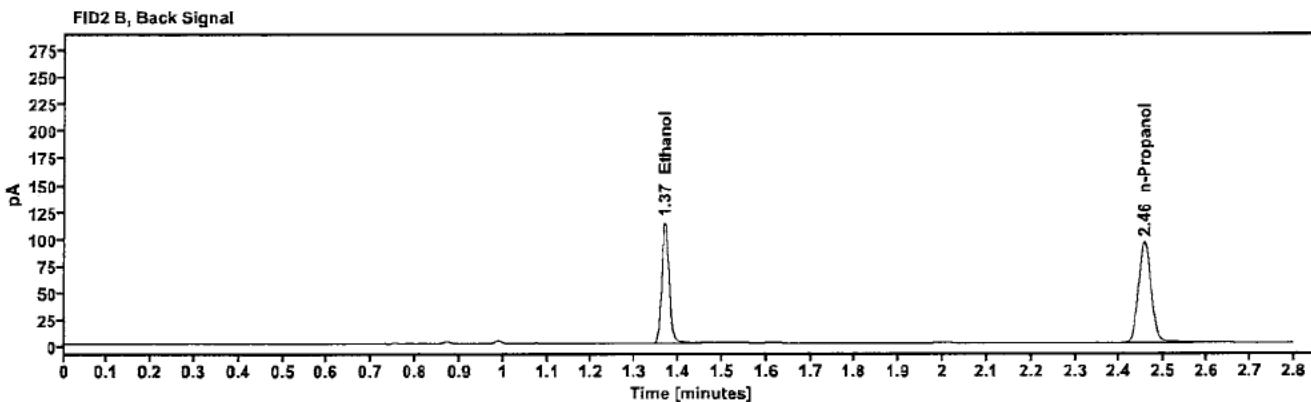
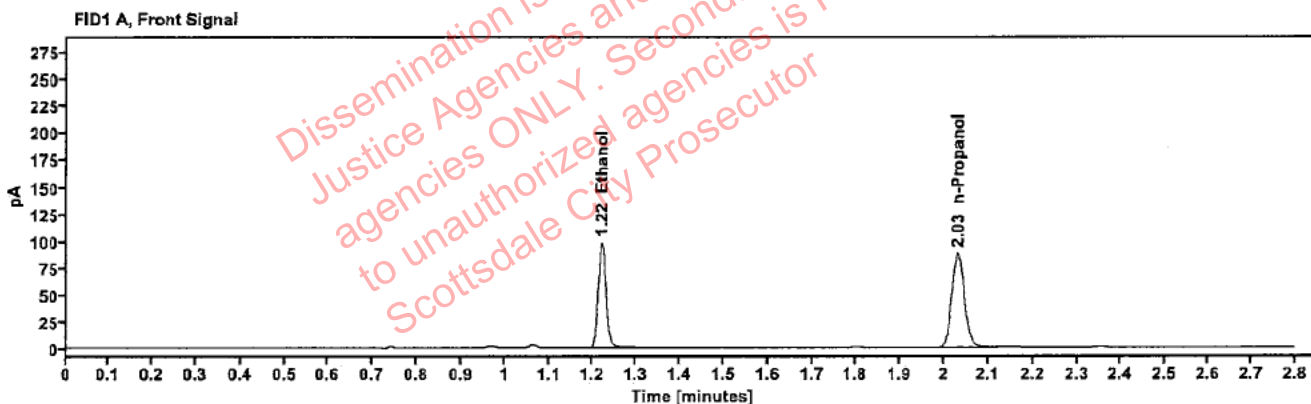


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1958	1.219	125.550
n-Propanol	---	2.031	175.113

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

Compound	Time (min)	Peak Area
Ethanol	1.369	137.969
n-Propanol	2.456	189.915

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	425-01E.B.	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:35:36 PM
Data file:	C:\Chem32\1\Data\25Jun24\25.D	Analyst:	Brooke

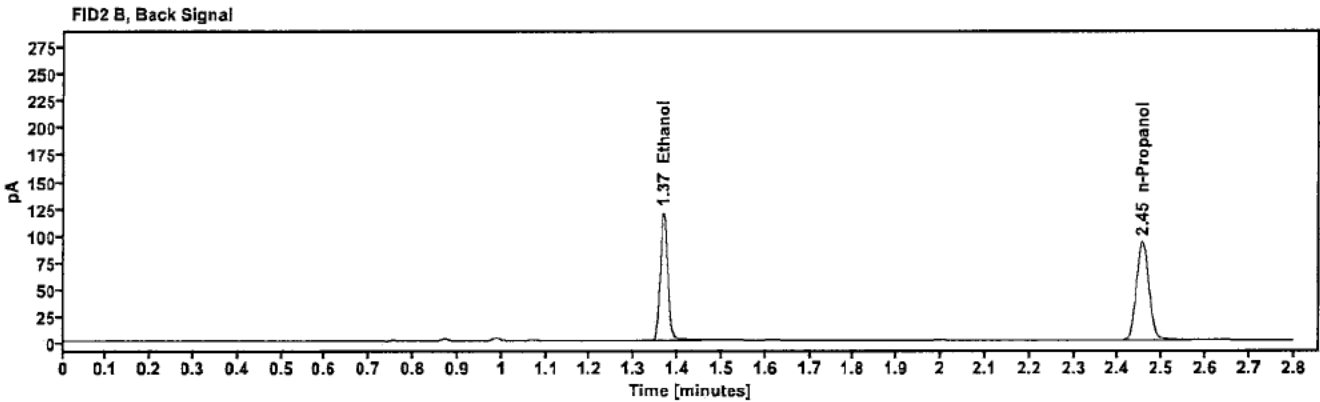
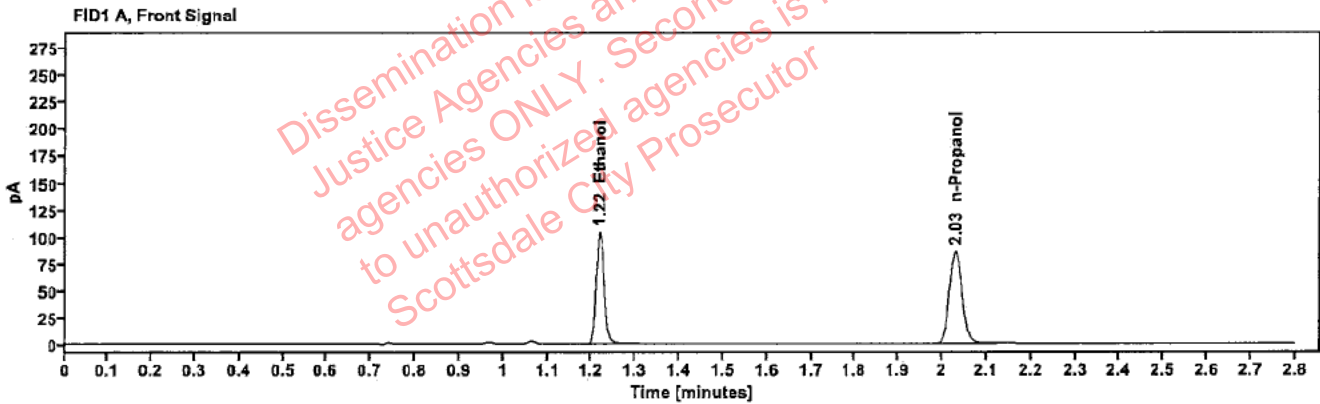


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2114	1.218	132.718
n-Propanol	—	2.030	171.480

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

Compound	Time (min)	Peak Area
Ethanol	1.367	145.865
n-Propanol	2.455	185.724

[REDACTED] : Brooke, Phillip - (26-Jun-2024)

Case: [REDACTED] User: pbrooke 6/26/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	425-01E.B.	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:39:36 PM
Data file:	C:\Chem32\1\Data\25Jun24\26.D	Analyst:	Brooke

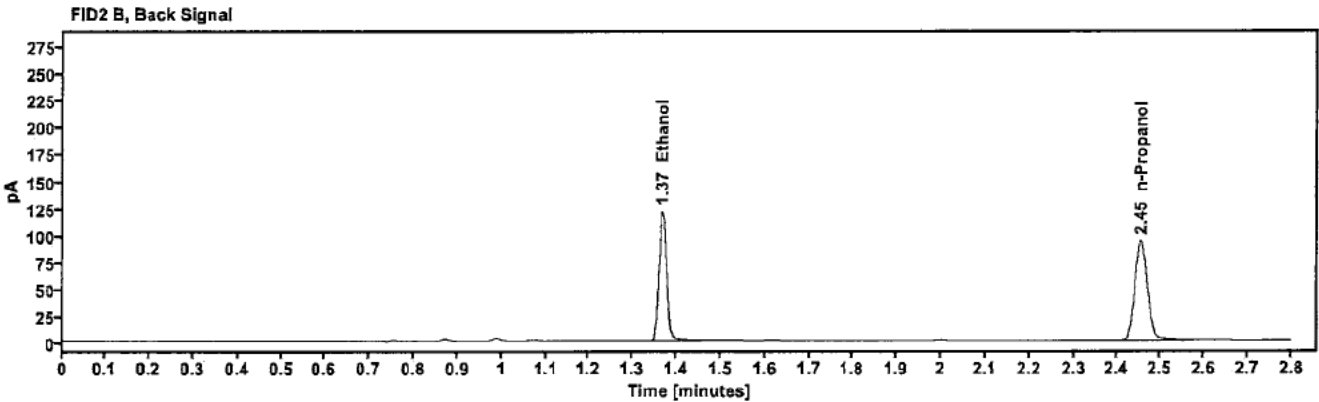
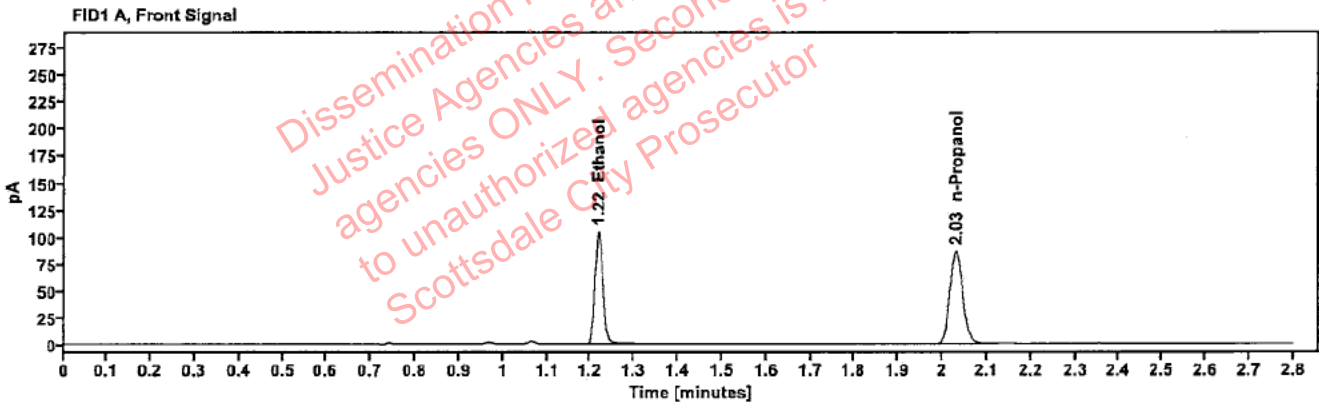


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2112	1.218	133.739
n-Propanol	---	2.030	172.981

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

Compound	Time (min)	Peak Area
Ethanol	1.367	147.053
n-Propanol	2.455	187.455

[REDACTED]: Brooke, Phillip - (26-Jun-2024)

Case: [REDACTED] User: pbrooke 6/26/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	171-01C.S.	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:43:35 PM
Data file:	C:\Chem32\1\Data\25Jun24\27.D	Analyst:	Brooke

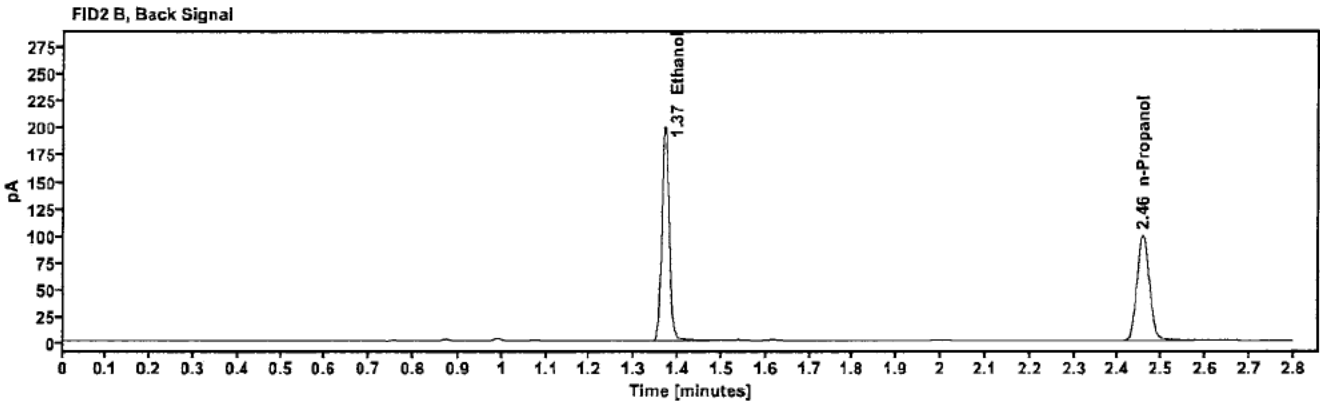
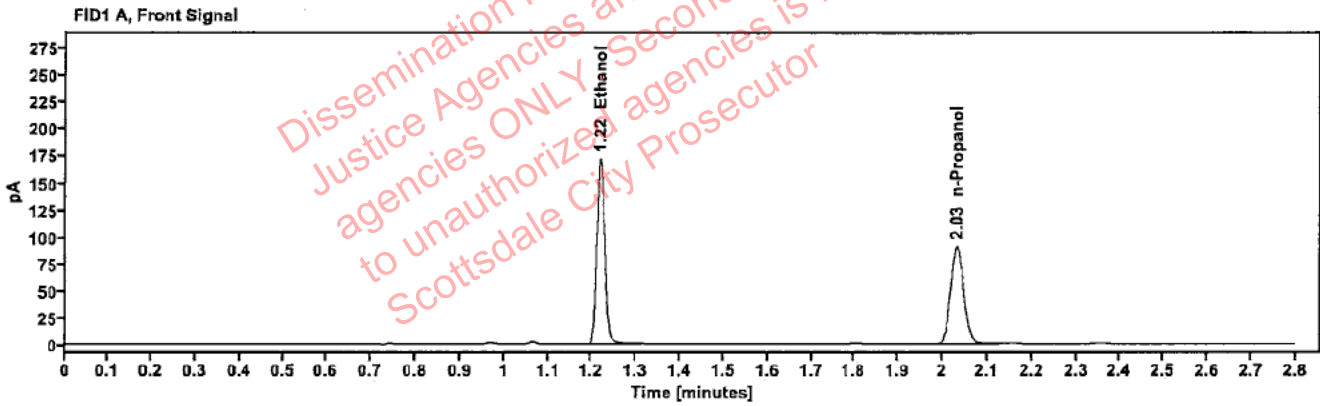


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3312	1.219	221.228
n-Propanol	—	2.032	182.714

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

Compound	Time (min)	Peak Area
Ethanol	1.369	245.132
n-Propanol	2.457	198.405

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	171-01C.S.	Vial:	28
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:47:35 PM
Data file:	C:\Chem32\1\Data\25Jun24\28.D	Analyst:	Brooke

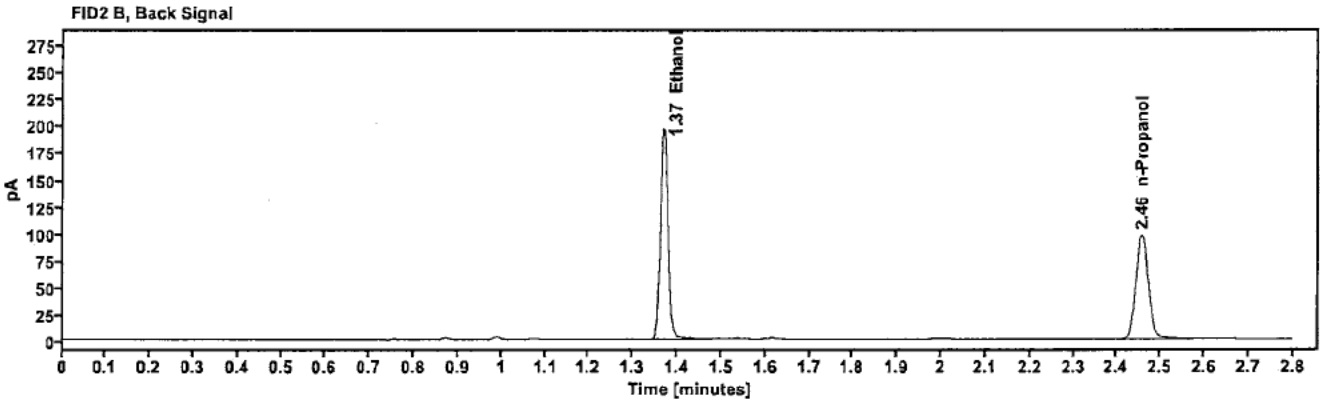
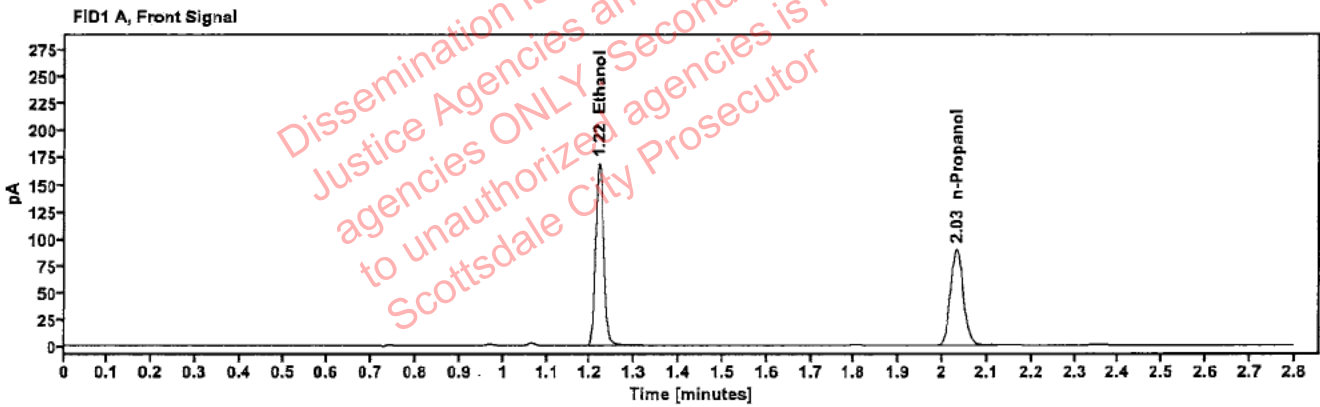


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3312	1.219	217.103
n-Propanol	—	2.032	179.316

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

Compound	Time (min)	Peak Area
Ethanol	1.369	240.726
n-Propanol	2.457	194.572

[REDACTED] : Brooke, Phillip - (26-Jun-2024)

Case: [REDACTED] User: pbrooke 6/26/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412570-1	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:51:36 PM
Data file:	C:\Chem32\1\Data\25Jun24\29.D	Analyst:	Brooke

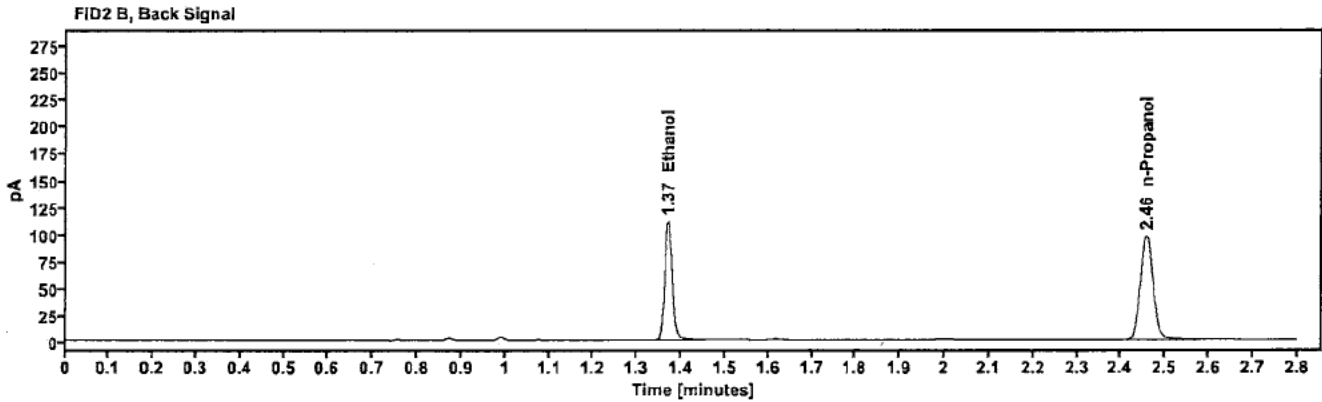
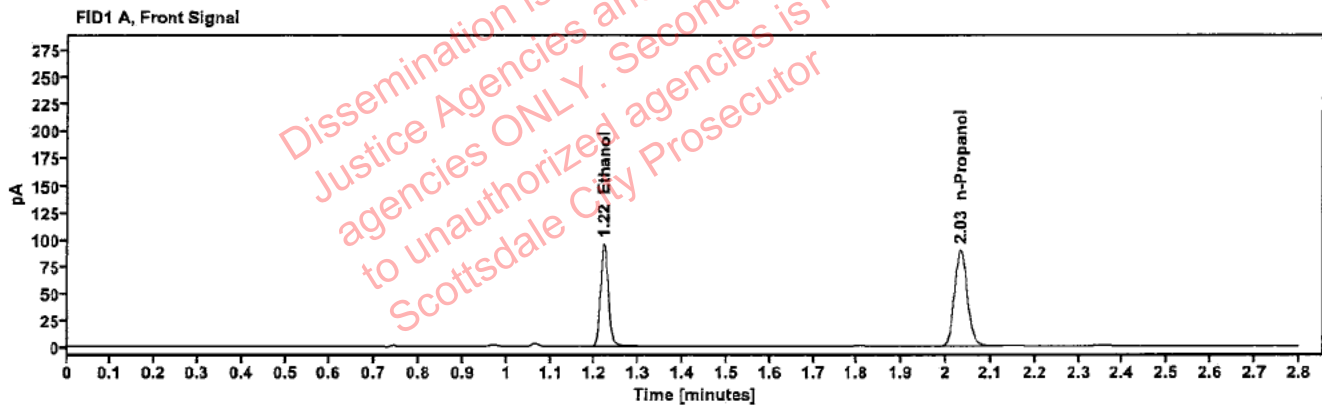


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1869	1.220	122.922
n-Propanol	—	2.032	179.552

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

Compound	Time (min)	Peak Area
Ethanol	1.370	134.910
n-Propanol	2.457	194.540

[REDACTED]: Brooke, Phillip - (26-Jun-2024)

Case: [REDACTED] User: pbrooke 6/26/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412570-1	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 4:55:36 PM
Data file:	C:\Chem32\1\Data\25Jun24\30.D	Analyst:	Brooke

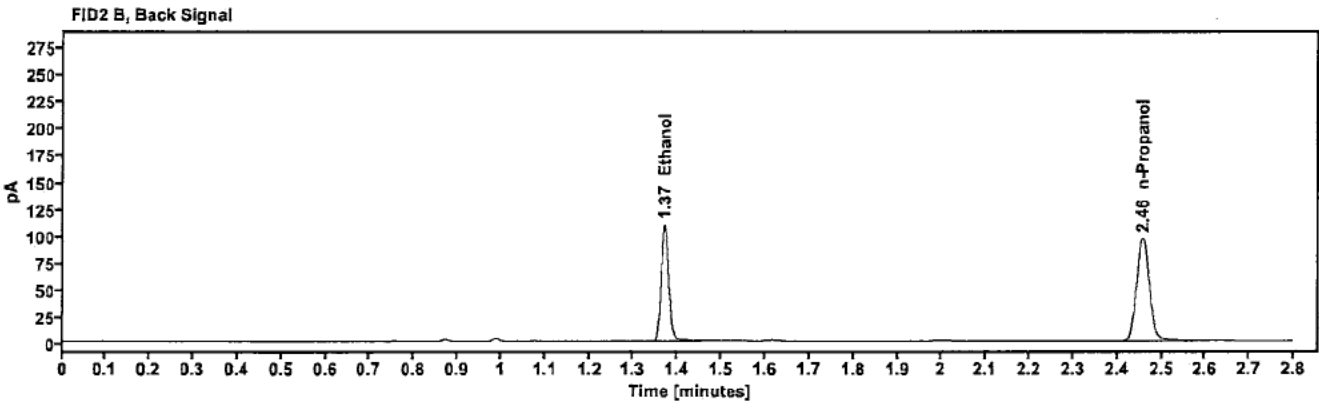
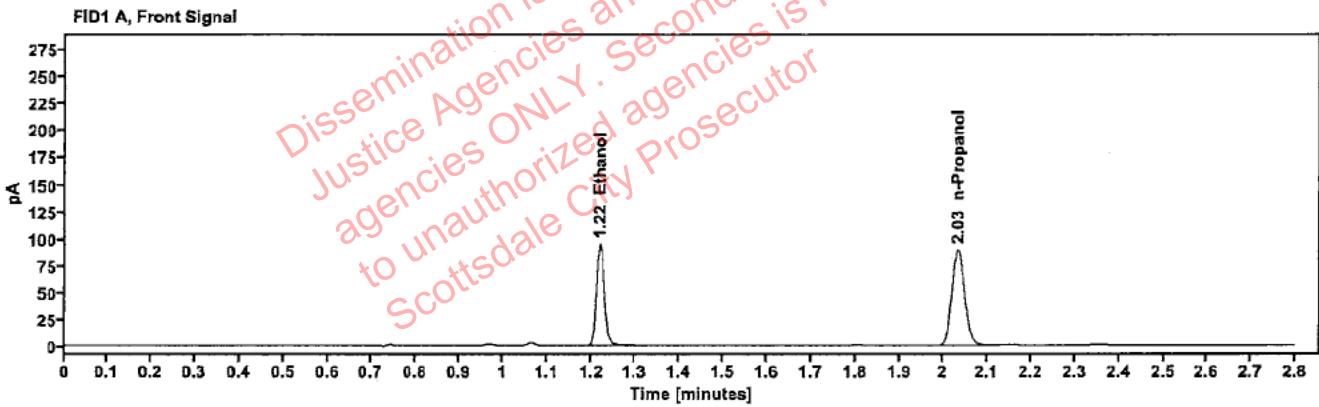


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1856	1.220	121.098
n-Propanol	---	2.032	178.139

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

Compound	Time (min)	Peak Area
Ethanol	1.370	133.132
n-Propanol	2.457	192.882



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2401318-2	Vial:	32
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:03:51 PM
Data file:	C:\Chem32\1\Data\25Jun24\32.D	Analyst:	Brooke

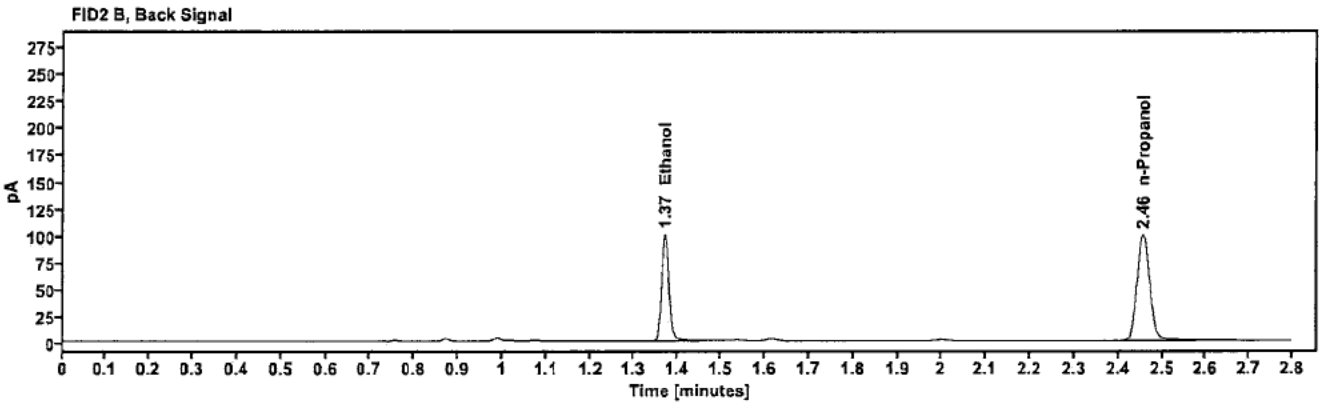
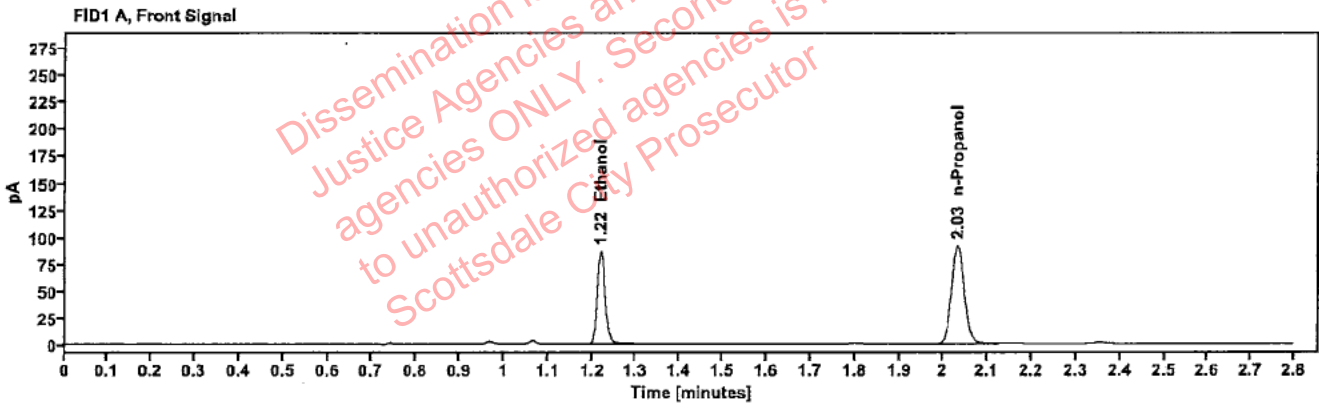


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1642	1.220	111.201
n-Propanol	---	2.032	184.748

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

Compound	Time (min)	Peak Area
Ethanol	1.369	122.354
n-Propanol	2.457	199.681

[REDACTED]: Brooke, Phillip - (26-Jun-2024)

Case: [REDACTED] User: pbrooke 6/26/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2401318-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:07:51 PM
Data file:	C:\Chem32\1\Data\25Jun24\33.D	Analyst:	Brooke

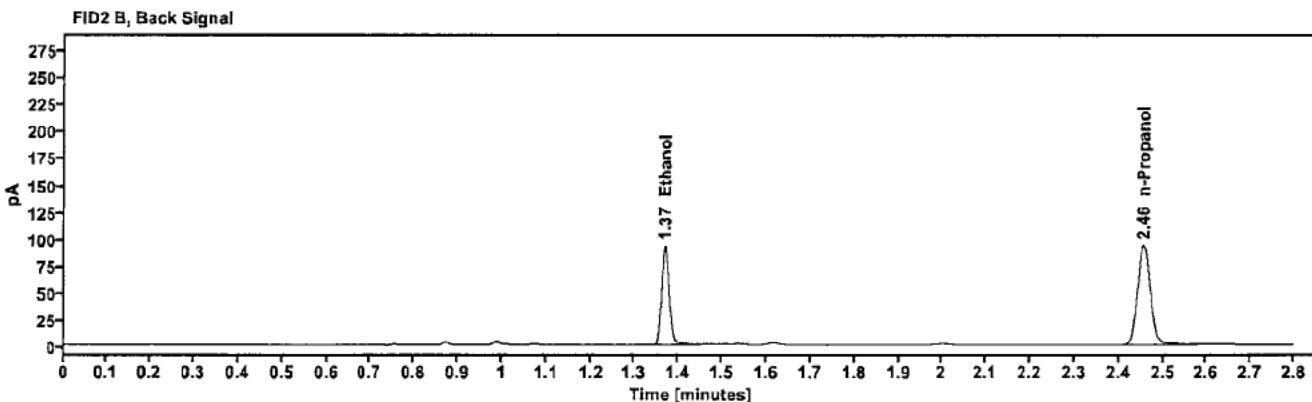
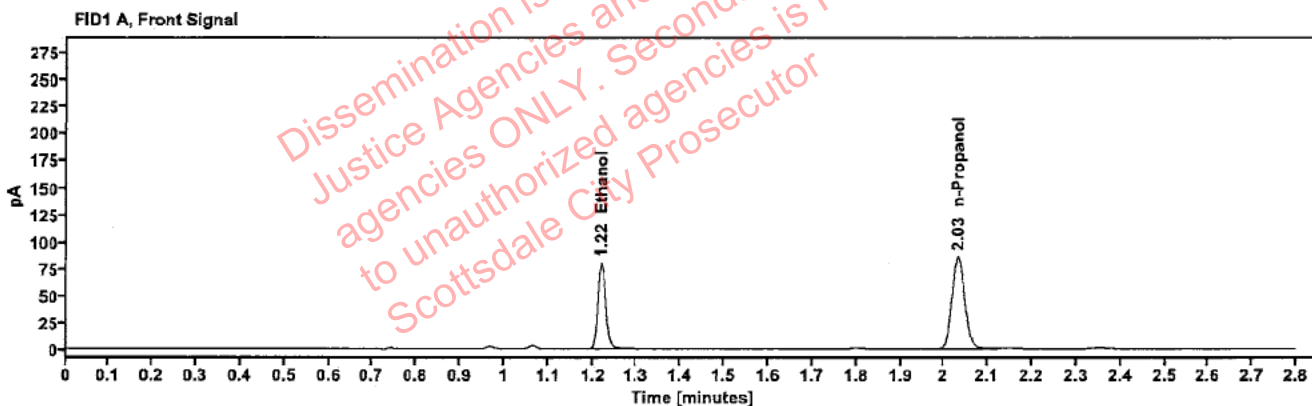


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1614	1.219	102.360
n-Propanol	---	2.032	173.087

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

Compound	Time (min)	Peak Area
Ethanol	1.368	112.654
n-Propanol	2.456	187.179

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412681-1	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:11:51 PM
Data file:	C:\Chem32\1\Data\25Jun24\34.D	Analyst:	Brooke

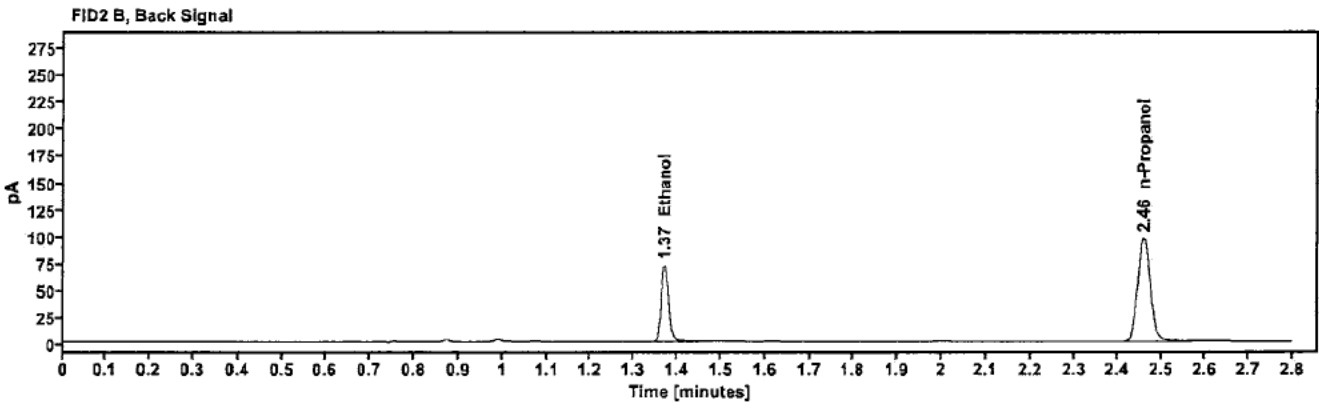
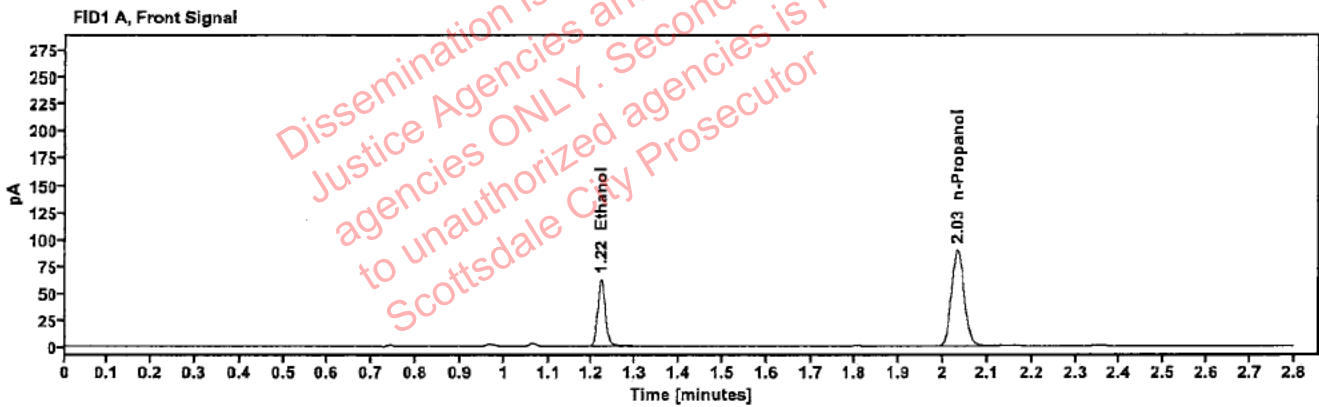


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1210	1.220	79.704
n-Propanol	—	2.032	179.411

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

Compound	Time (min)	Peak Area
Ethanol	1.370	87.559
n-Propanol	2.457	194.714

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412681-1	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:15:50 PM
Data file:	C:\Chem32\1\Data\25Jun24\35.D	Analyst:	Brooke

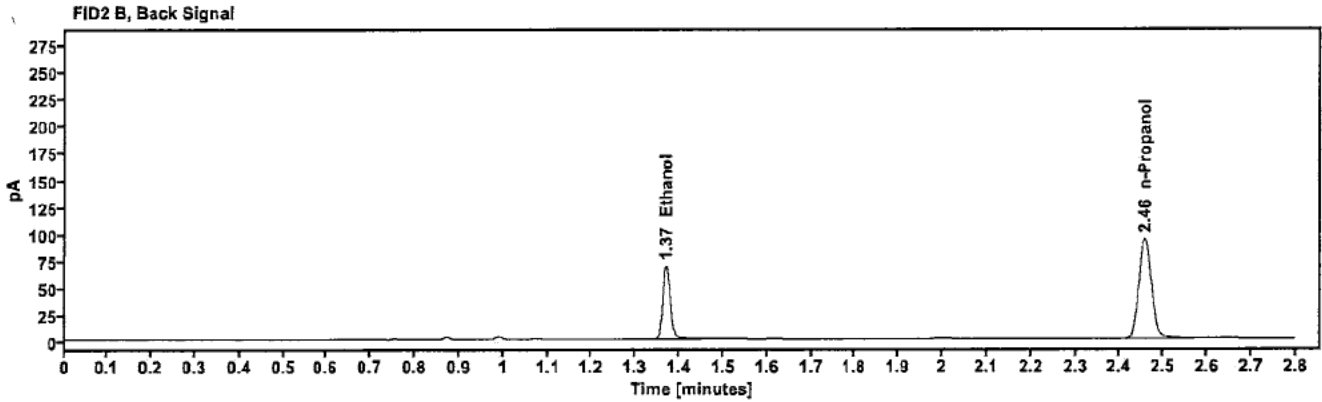
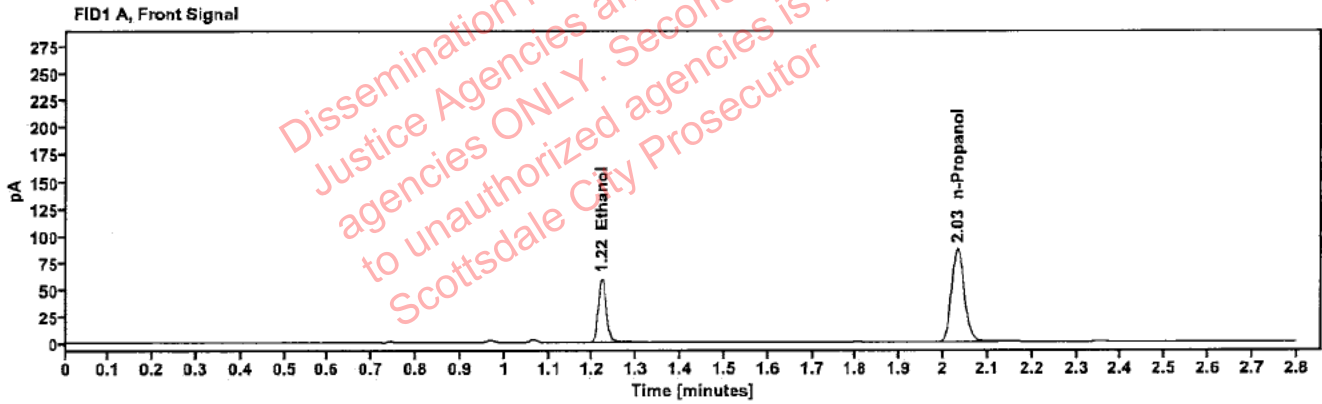


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1198	1.220	76.247
n-Propanol	---	2.032	173.318

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

Compound	Time (min)	Peak Area
Ethanol	1.370	83.619
n-Propanol	2.457	187.986

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412802-1	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:19:51 PM
Data file:	C:\Chem32\1\Data\25Jun24\36.D	Analyst:	Brooke

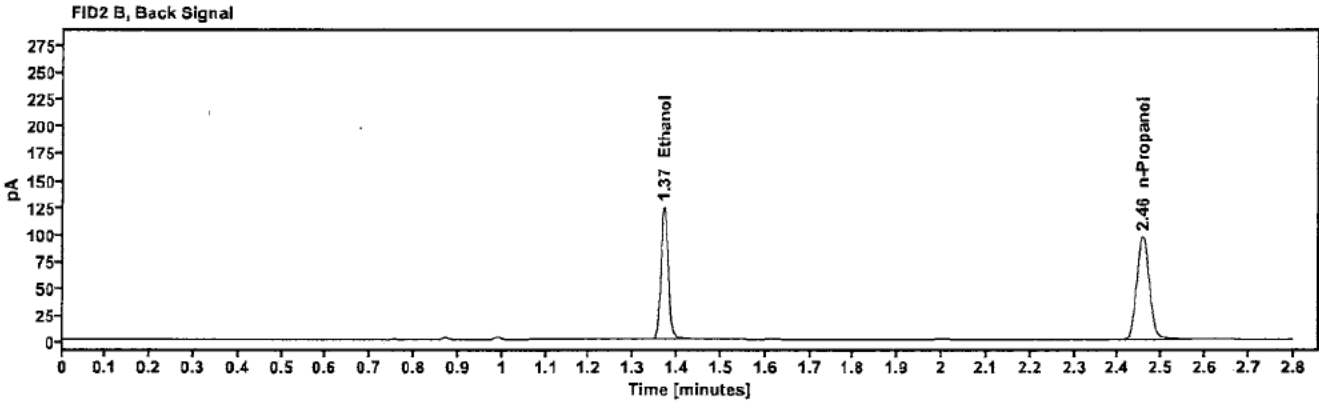
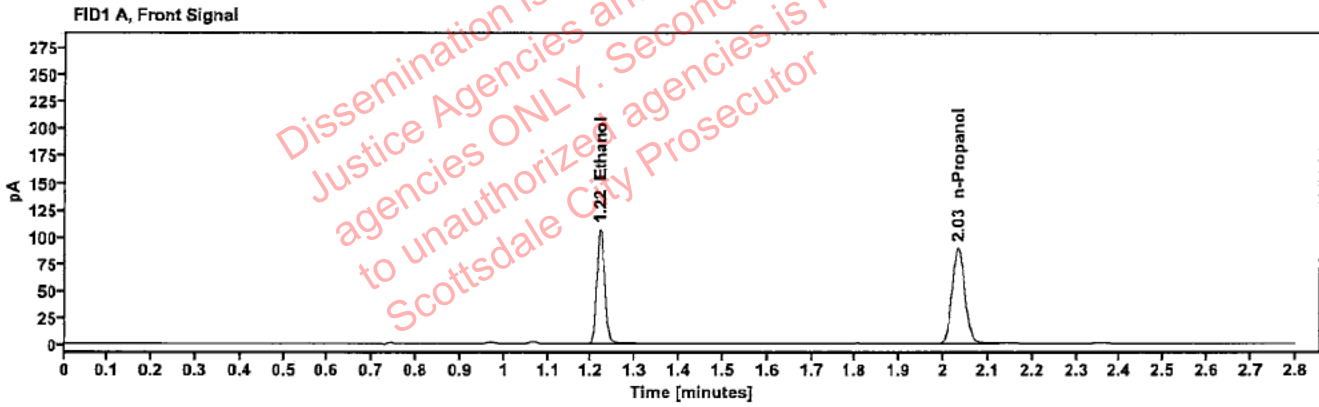


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2088	1.220	136.989
n-Propanol	---	2.032	179.179

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

Compound	Time (min)	Peak Area
Ethanol	1.369	150.204
n-Propanol	2.457	194.036

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412802-1	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:24:06 PM
Data file:	C:\Chem32\1\Data\25Jun24\37.D	Analyst:	Brooke

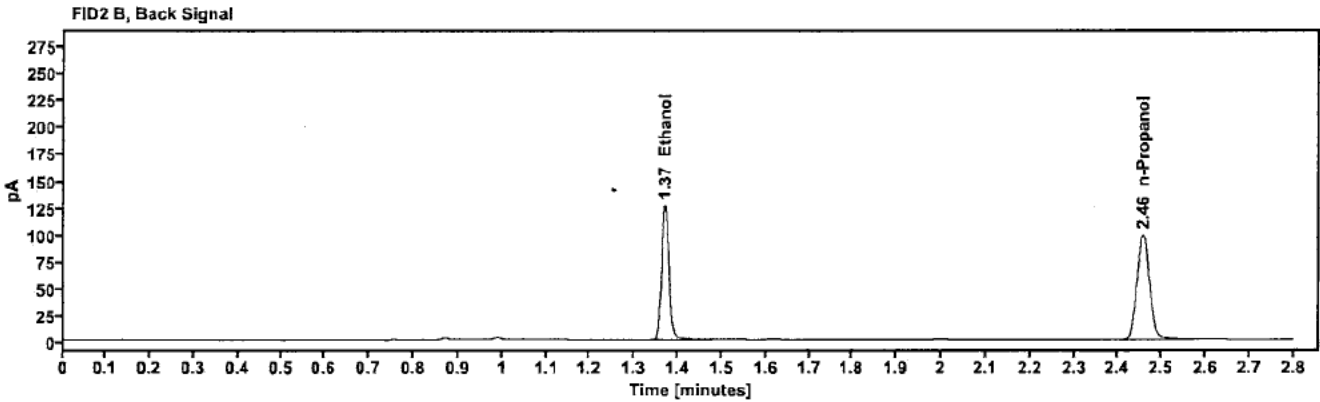
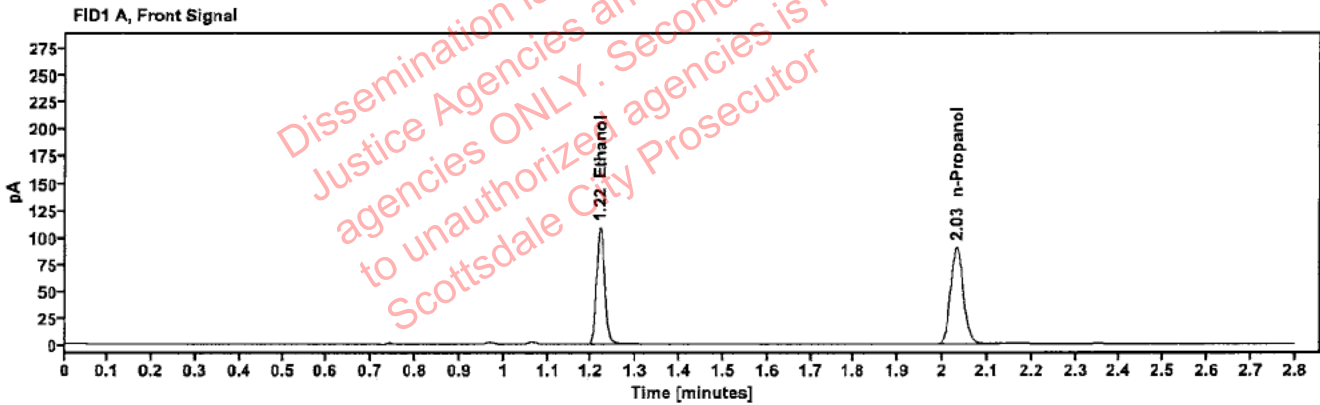


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2100	1.220	139.362
n-Propanol	—	2.032	181.257

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

Compound	Time (min)	Peak Area
Ethanol	1.369	154.319
n-Propanol	2.457	196.361

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412922-1	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:28:05 PM
Data file:	C:\Chem32\1\Data\25Jun24\38.D	Analyst:	Brooke

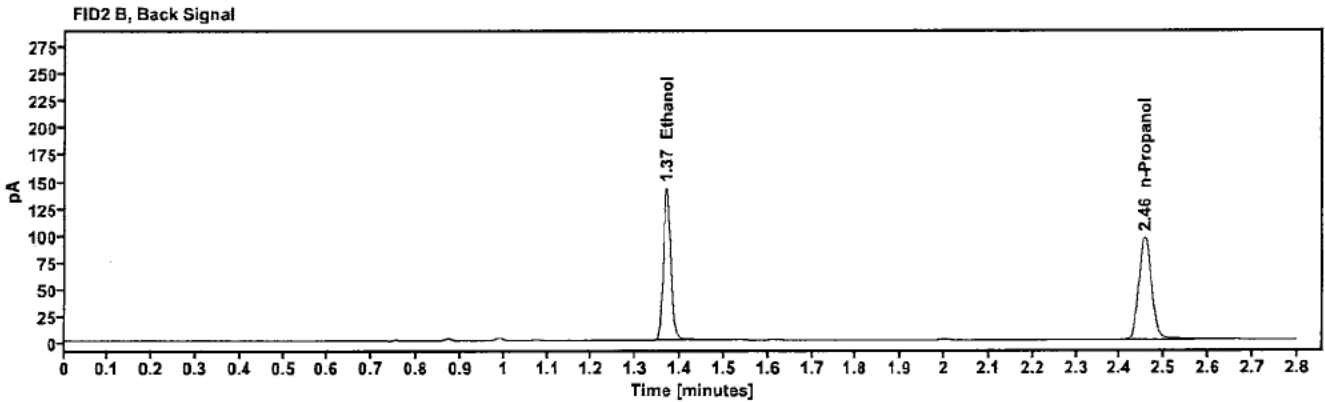
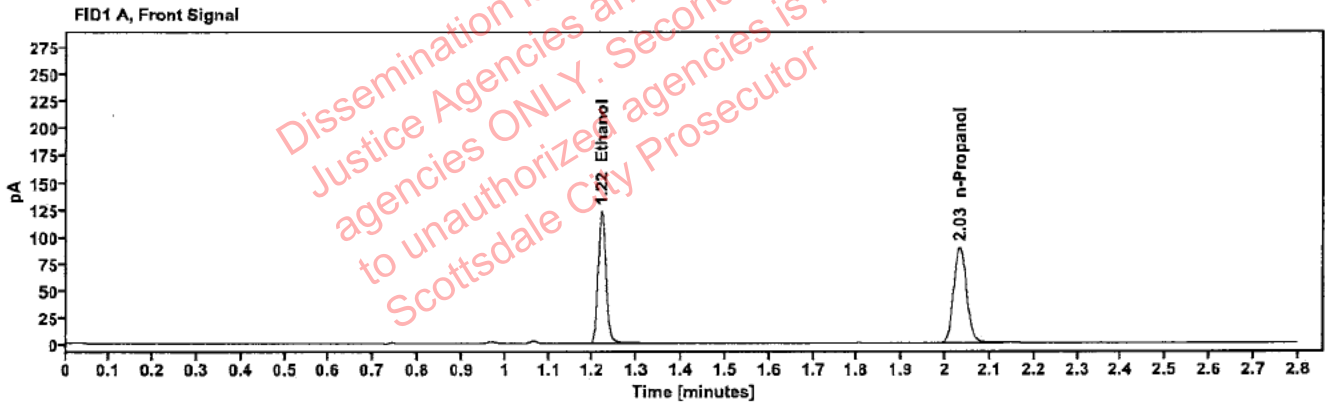


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2407	1.219	157.591
n-Propanol	-----	2.032	178.892

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

Compound	Time (min)	Peak Area
Ethanol	1.369	173.547
n-Propanol	2.456	193.438

[REDACTED] : Brooke, Phillip - (26-Jun-2024)

Case: [REDACTED] User: pbrooke 6/26/2024

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2412922-1	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:32:05 PM
Data file:	C:\Chem32\1\Data\25Jun24\39.D	Analyst:	Brooke

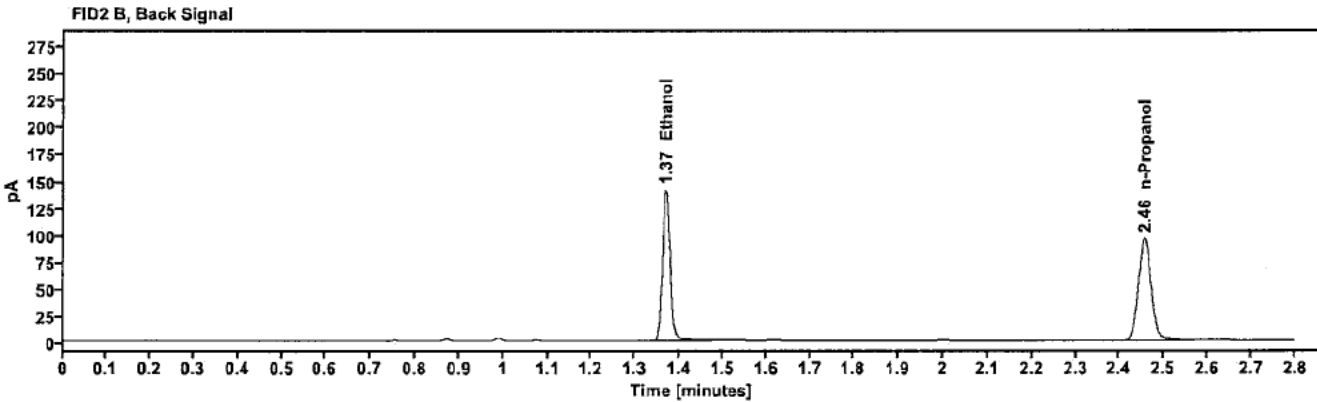
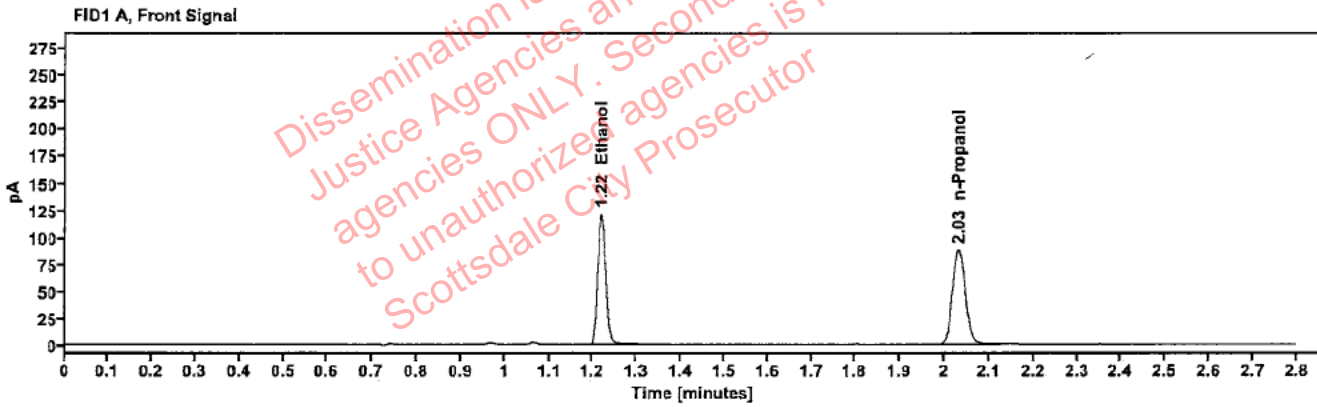


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2404	1.219	155.253
n-Propanol	-----	2.031	176.467

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

Compound	Time (min)	Peak Area
Ethanol	1.368	172.006
n-Propanol	2.456	190.993



# Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample:	12052023-B	Vial:	40
Description:	Lipomed, 0.400	LIMS ID:	validation
Method:	ethanol quant.M	Sequence:	25Jun24
Instrument:	US14173023 CN14160045	Injection date:	6/25/2024 5:36:05 PM
Data file:	C:\Chem32\1\Data\25Jun24\40.D	Analyst:	Brooke

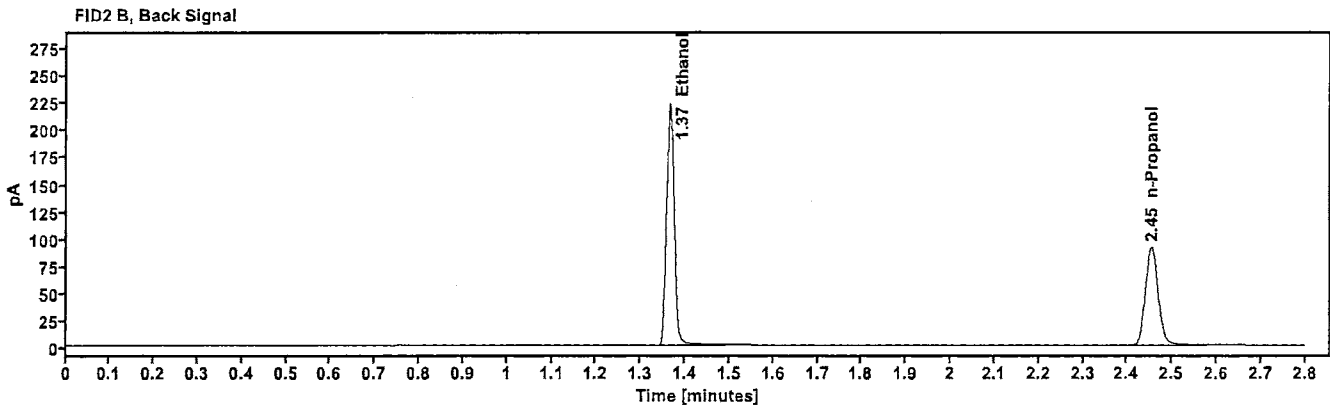
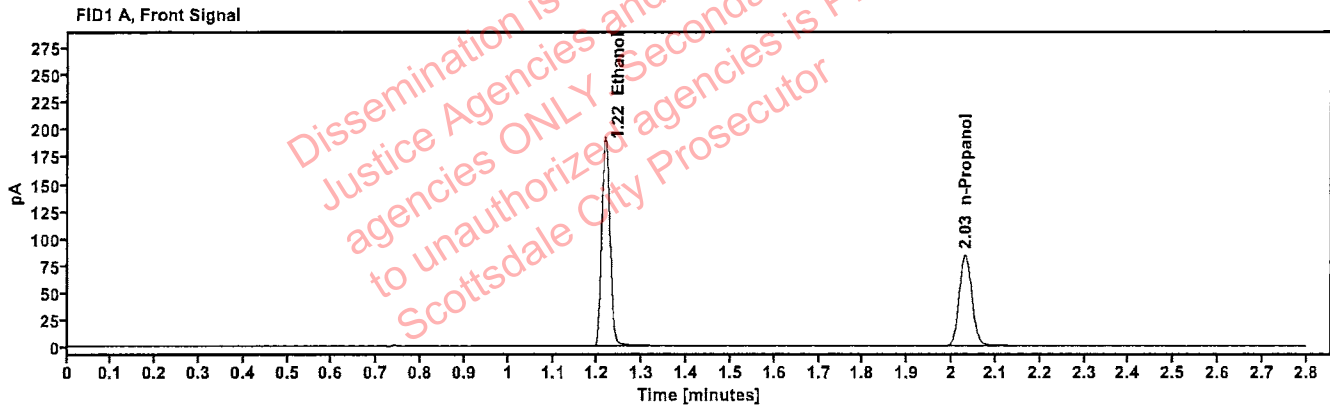


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3971	1.217	244.739
n-Propanol	—	2.030	168.641

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

Compound	Time (min)	Peak Area
Ethanol	1.365	270.269
n-Propanol	2.454	182.669

# Scottsdale Police Department Crime Lab Volatiles Analysis

*RB*

<b>Sample:</b> 12052023-B	<b>Vial:</b> 41
<b>Description:</b> Lipomed, 0.400	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 25Jun24
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 6/25/2024 5:40:06 PM
<b>Data file:</b> C:\Chem32\1\Data\25Jun24\41.D	<b>Analyst:</b> Brooke

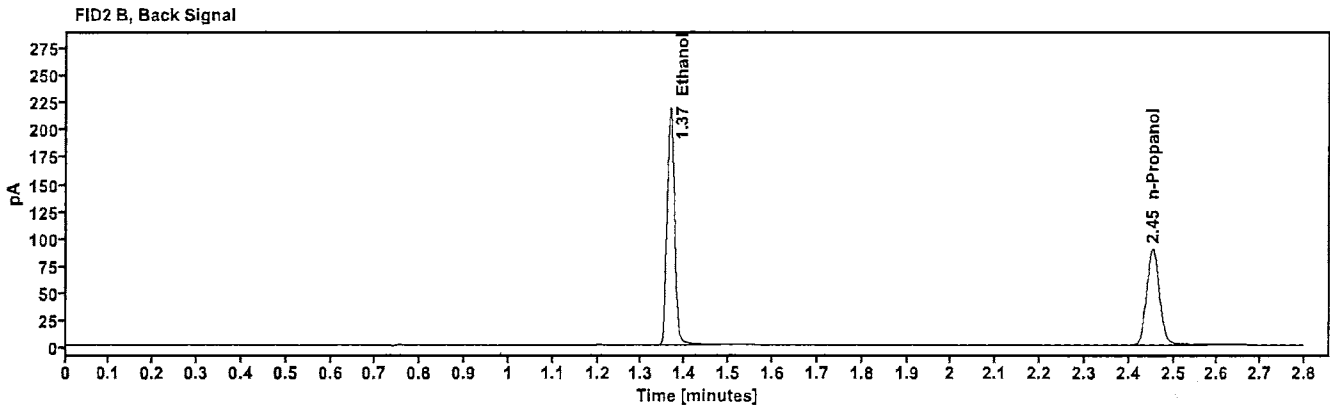
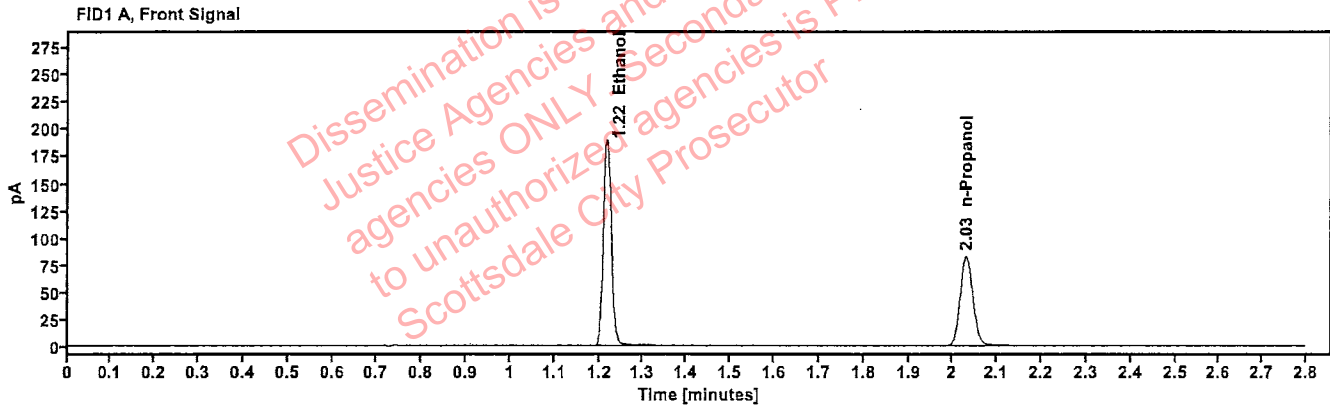


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3993	1.217	241.116
n-Propanol	-----	2.030	165.244

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

Compound	Time (min)	Peak Area
Ethanol	1.366	265.800
n-Propanol	2.454	179.050