

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 03/04/2024 SEQUENCE NAME 04Mar24

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r^2)
 Vial 2 0.10 calibrator Lot FN03072301 0.99996
 Vial 3 0.20 calibrator Lot FN03132302
 Vial 4 0.40 calibrator Lot FN03052102

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.396 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	0.201 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 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	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD lab 010524AQ

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 1

ADDITIONAL NOTES: The duplicate samples in vial positions #21 and #22 did not agree within 2% of the mean.

Run valid Don Abbott Run valid Erika Canonico
 Run invalid Analyst Run invalid Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

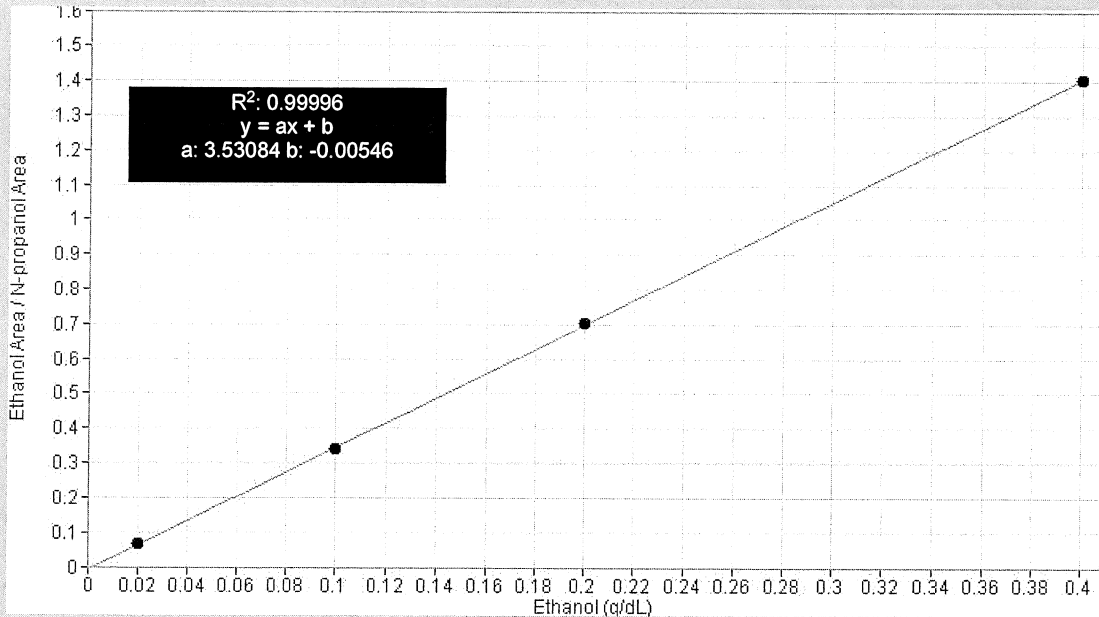
SEQUENCE NAME: 04Mar24

ANALYST: Abbott *AB*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.396	0.400	1.00	-0.004
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/11	9	0.201	0.199	1.01	0.002
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.080	0.080	0.00	0.000
0.400 30012020-A	42	0.398	0.400	0.50	-0.002
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 4110320133/11	44	0.201	0.199	1.01	0.002
blank 010524AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.643	174.091	0.067
0.100	58.379	170.297	0.343
0.200	119.954	170.225	0.705
0.400	239.846	170.585	1.406

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03122113	Vial: 1
Description: 0.020 calibrator	Sequence: 04Mar24
Method: ethanol quant.M	Injection date: 3/4/2024 3:42:23 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\04Mar24\1.D	

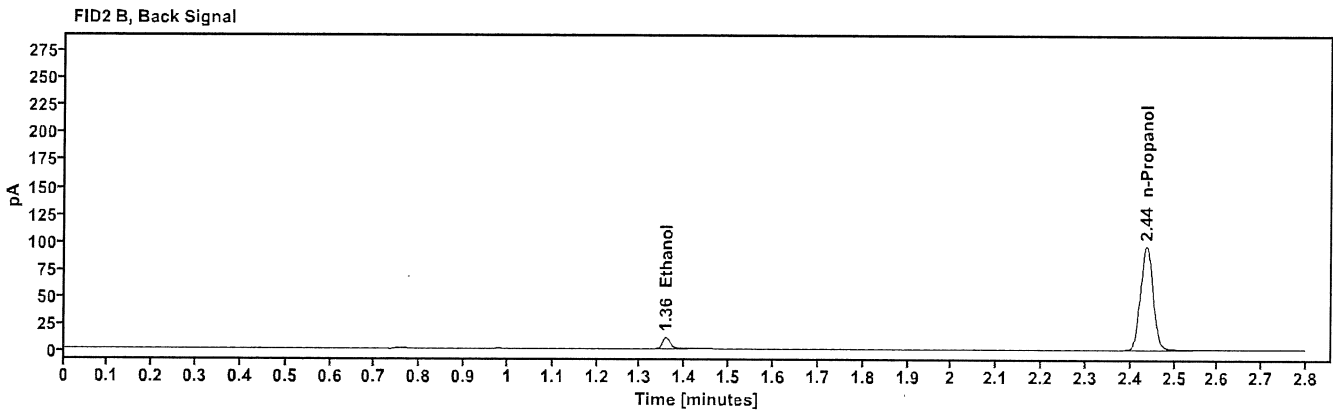
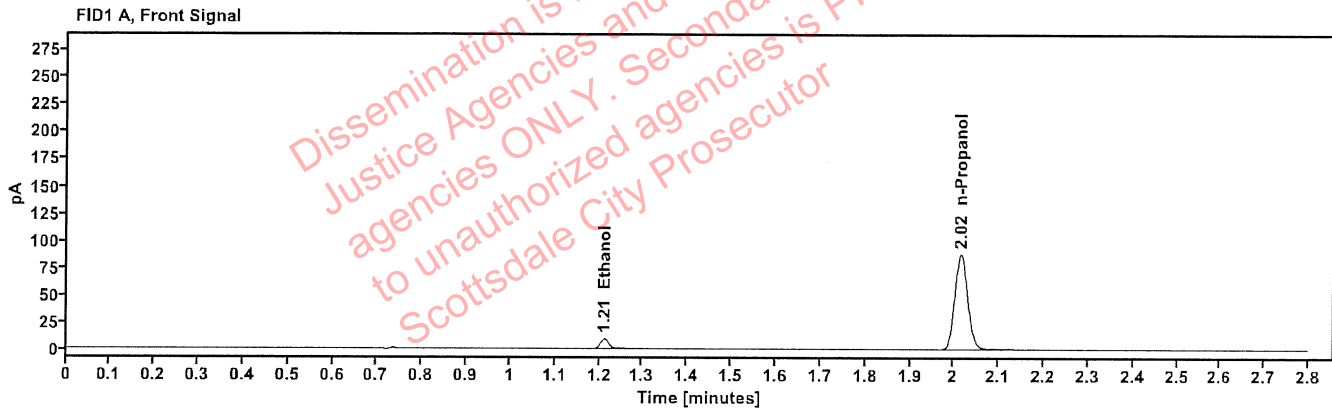


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.643
n-Propanol	2.016	174.091

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

Compound	Time (min)	Peak Area
Ethanol	1.357	12.785
n-Propanol	2.436	189.531

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03072301	Vial: 2
Description: 0.100 calibrator	Sequence: 04Mar24
Method: ethanol quant.M	Injection date: 3/4/2024 3:46:23 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>DA</i>
Data file: C:\Chem32\1\Data\04Mar24\2.D	

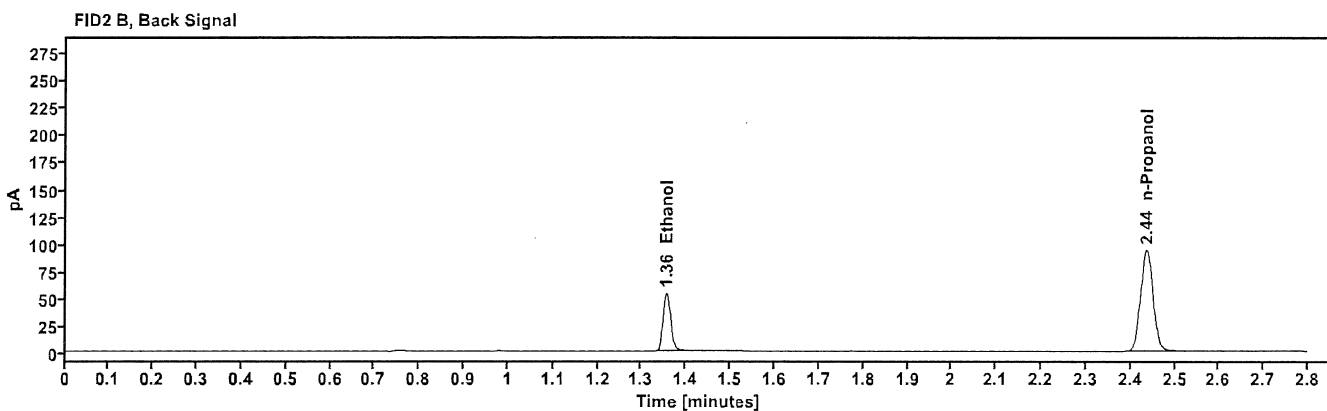
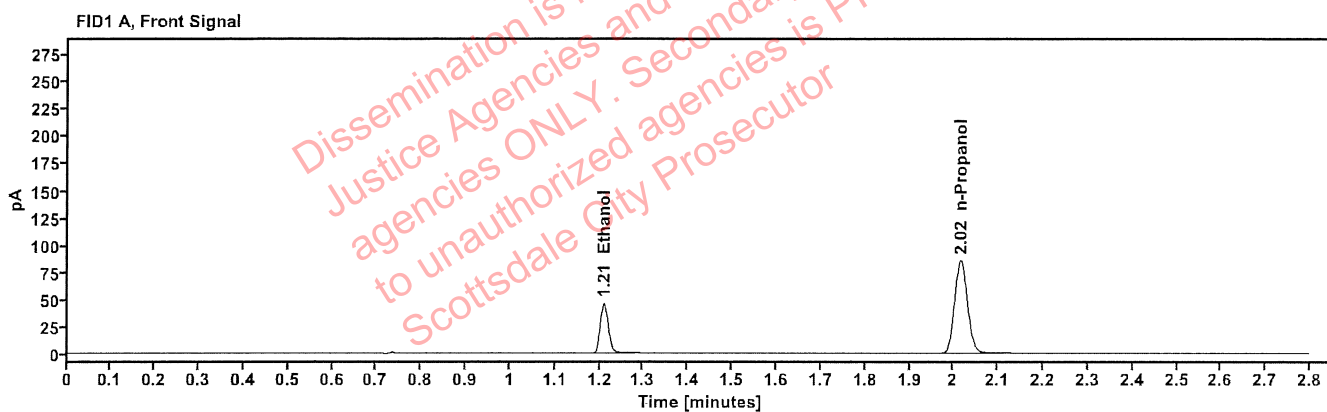


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	58.379
n-Propanol	2.016	170.297

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

Compound	Time (min)	Peak Area
Ethanol	1.356	64.145
n-Propanol	2.436	185.152

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03132302	Vial: 3
Description: 0.200 calibrator	Sequence: 04Mar24
Method: ethanol quant.M	Injection date: 3/4/2024 3:50:23 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>dh</i>
Data file: C:\Chem32\1\Data\04Mar24\3.D	

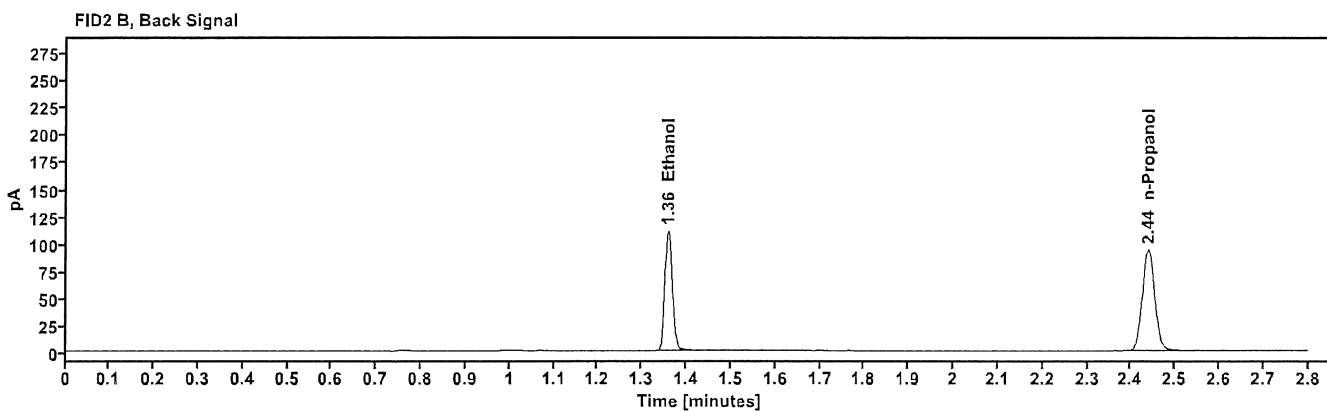
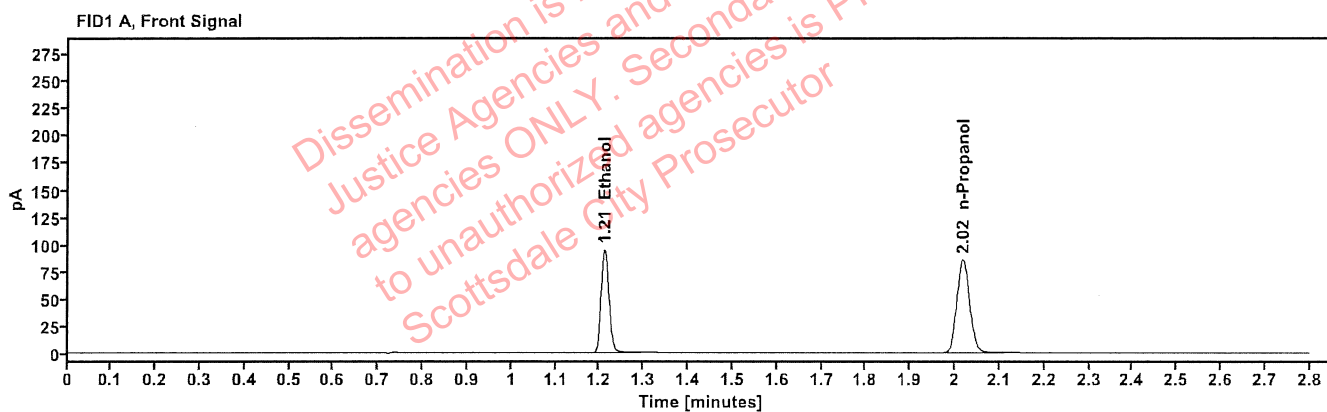


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	119.954
n-Propanol	2.017	170.225

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

Compound	Time (min)	Peak Area
Ethanol	1.359	131.793
n-Propanol	2.439	184.827

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 04Mar24
Method: ethanol quant.M	Injection date: 3/4/2024 3:54:22 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>dh</i>
Data file: C:\Chem32\1\Data\04Mar24\4.D	

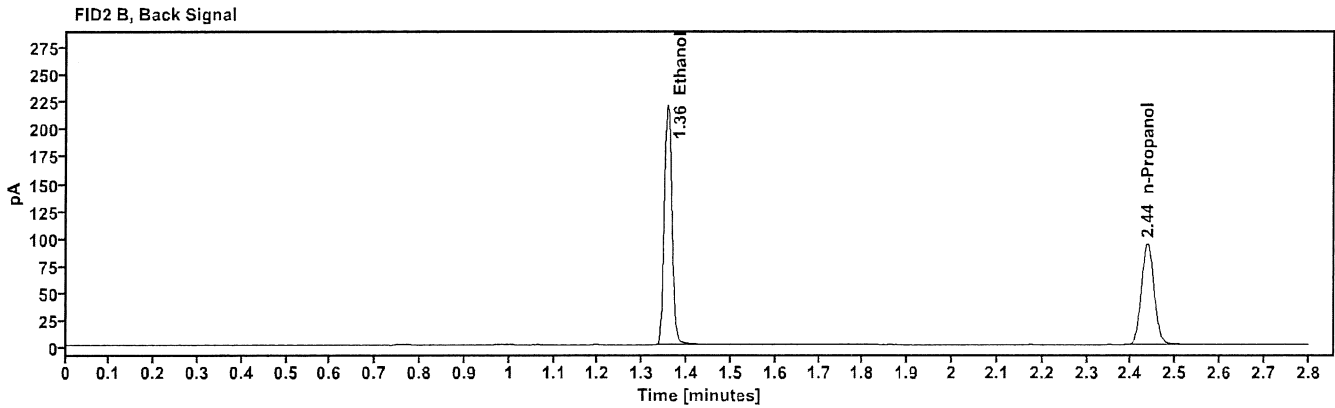
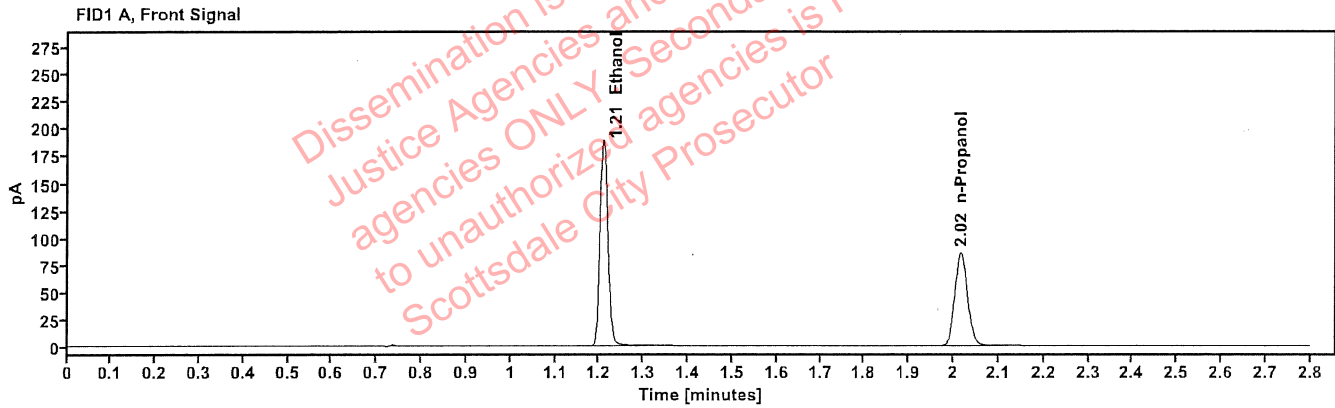


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	239.846
n-Propanol	2.016	170.585

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

Compound	Time (min)	Peak Area
Ethanol	1.356	263.679
n-Propanol	2.437	185.104

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 04Mar24
Instrument: US14173023 CN14160045	Injection date: 3/4/2024 3:58:23 PM
Data file: C:\Chem32\1\Data\04Mar24\5.D	Analyst: Abbott JH

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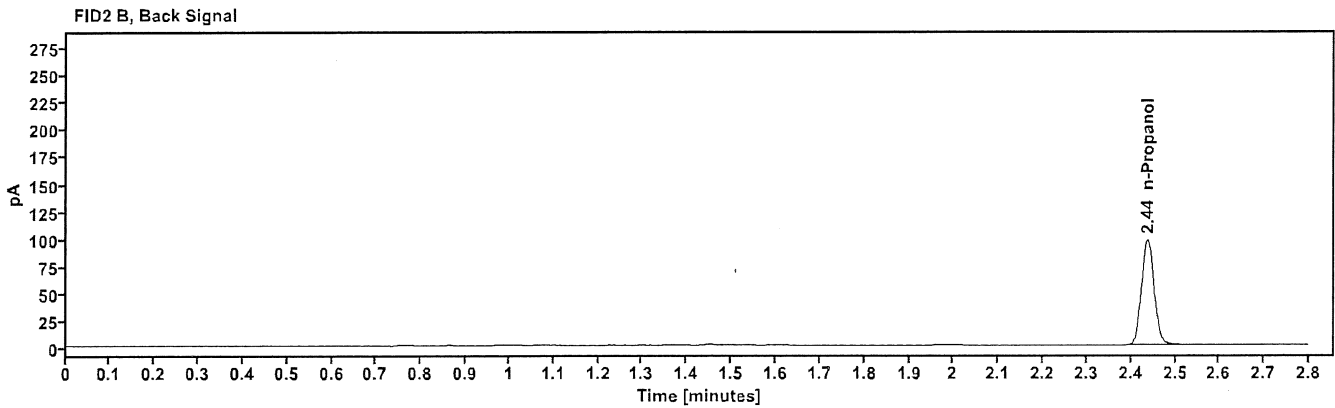
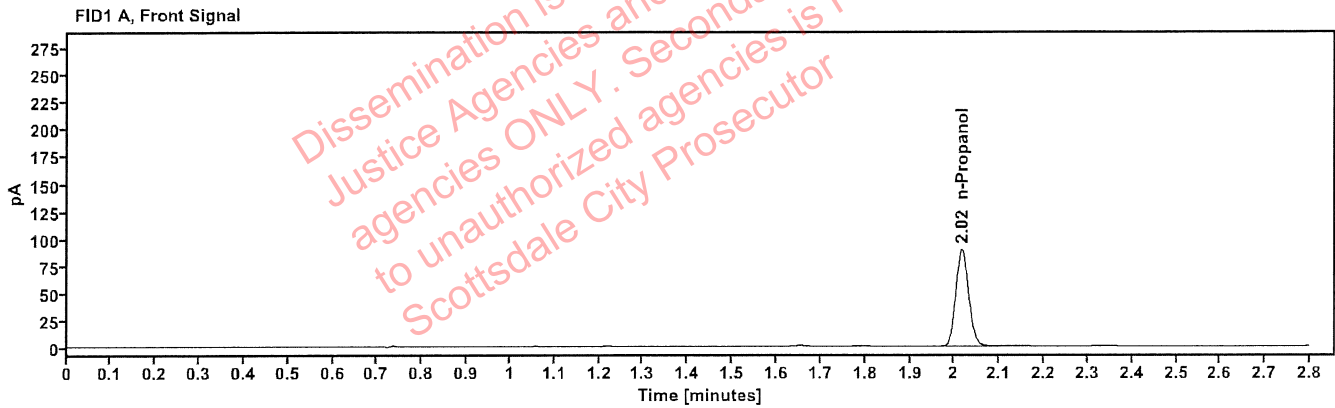


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	176.787

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

Compound	Time (min)	Peak Area
n-Propanol	2.437	192.293

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:02:23 PM
Data file:	C:\Chem32\1\Data\04Mar24\6.D	Analyst:	Abbott JL

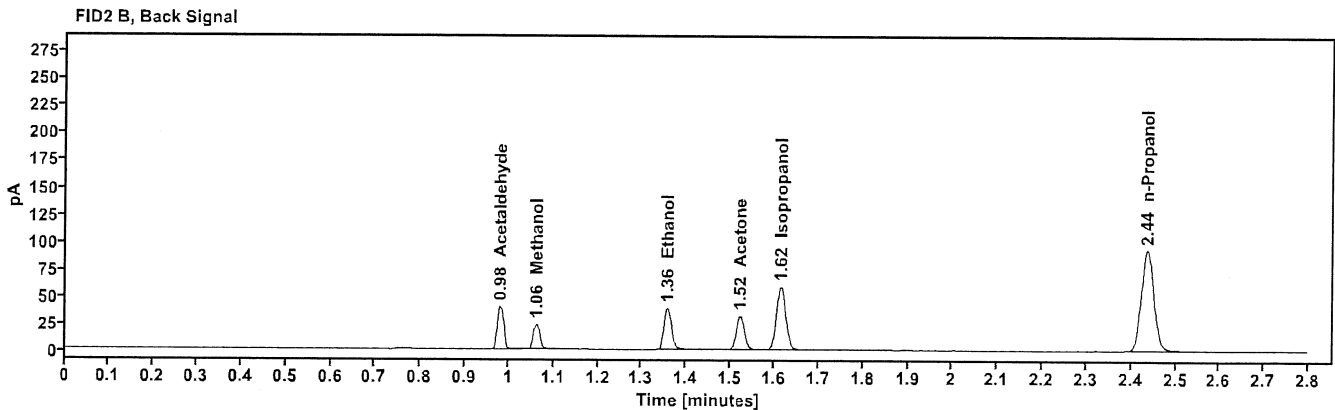
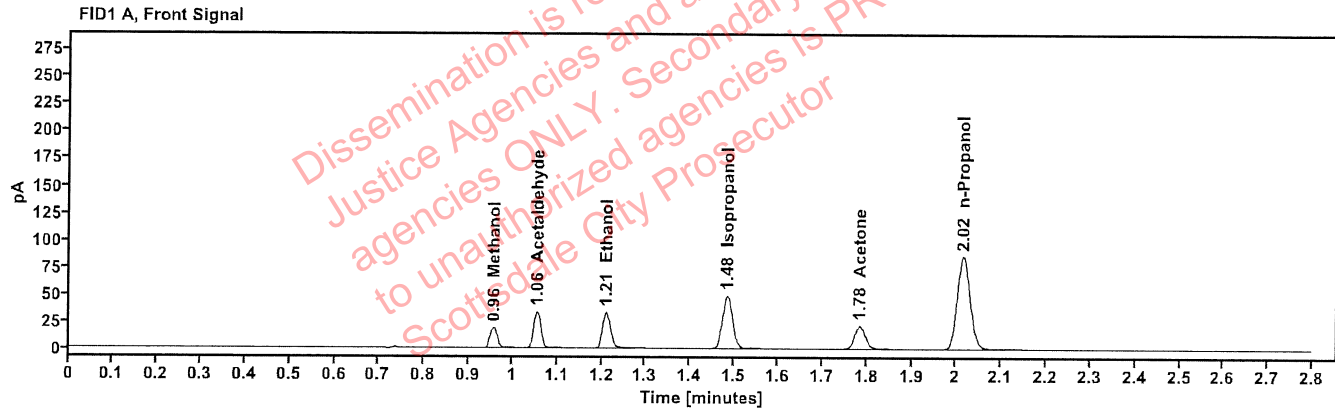


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	21.395
Acetaldehyde	-----	1.055	36.801
>Ethanol	0.0721	1.210	42.298
Isopropanol	-----	1.483	77.782
Acetone	-----	1.785	36.852
n-Propanol	-----	2.016	169.705

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	41.196
Methanol	1.061	23.783
Ethanol	1.357	46.428
Acetone	1.522	40.590
Isopropanol	1.615	85.984
n-Propanol	2.436	184.048

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	30012020-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:06:38 PM
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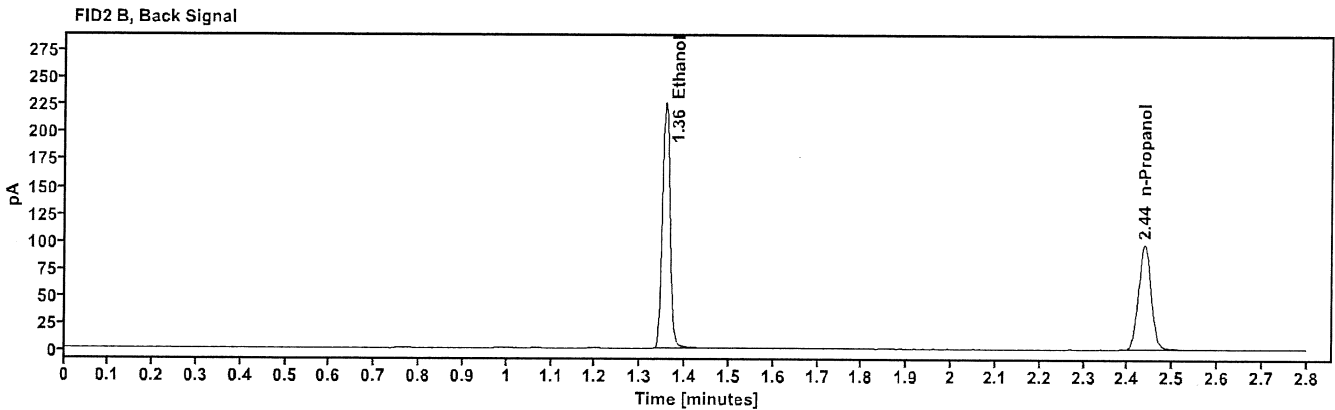
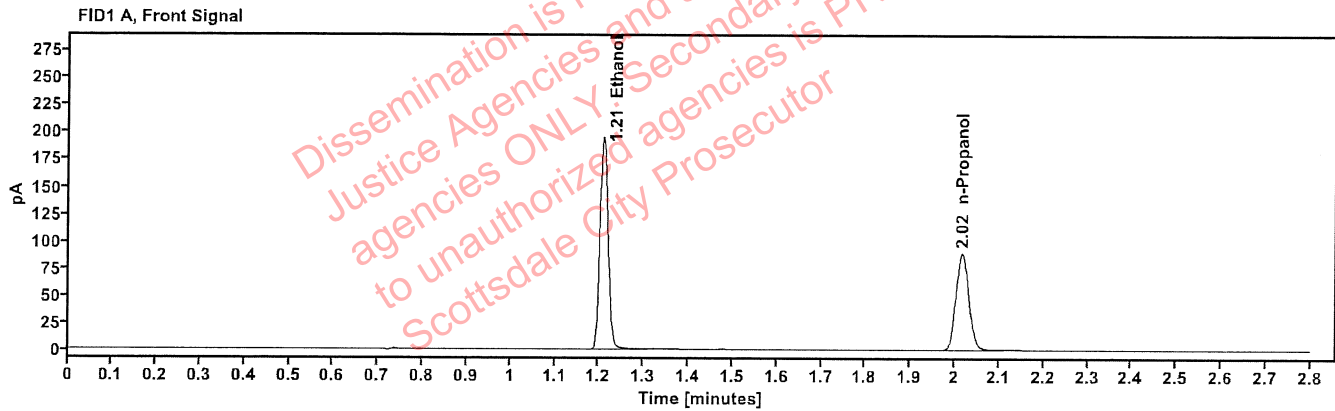


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3962	1.209	246.669
n-Propanol	-----	2.016	177.009

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

Compound	Time (min)	Peak Area
Ethanol	1.356	271.713
n-Propanol	2.437	192.232

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:10:37 PM
Data file:	C:\Chem32\1\Data\04Mar24\8.D	Analyst:	Abbott <i>Abbott</i>

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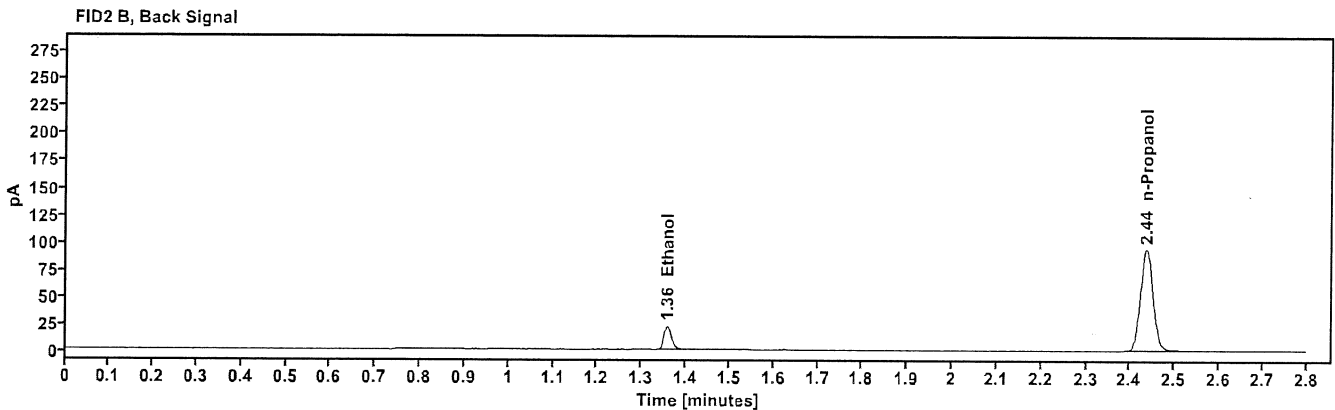
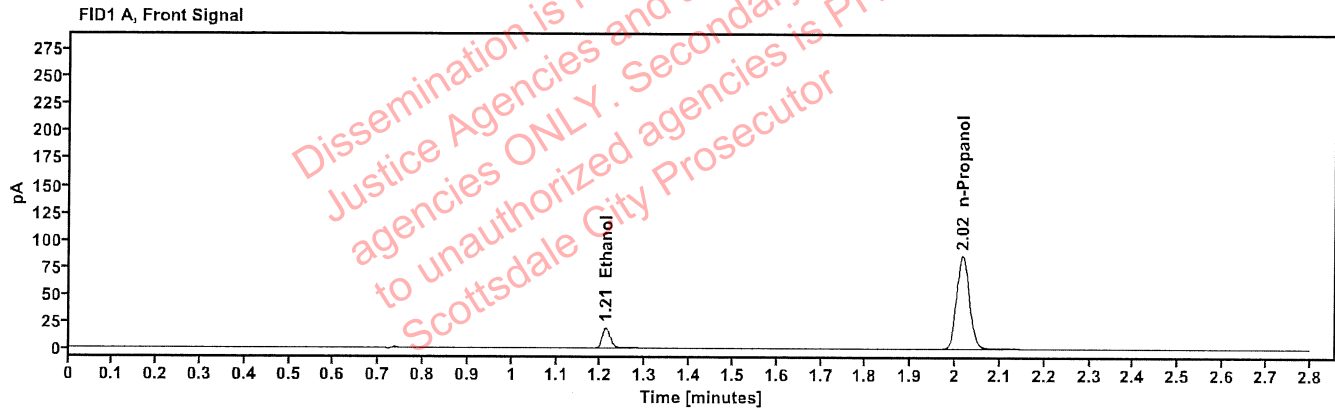


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.211	23.716
n-Propanol	-----	2.016	170.958

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.006
n-Propanol	2.437	185.878

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/11	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:14:38 PM
Data file:	C:\Chem32\1\Data\04Mar24\9.D	Analyst:	Abbott

JA

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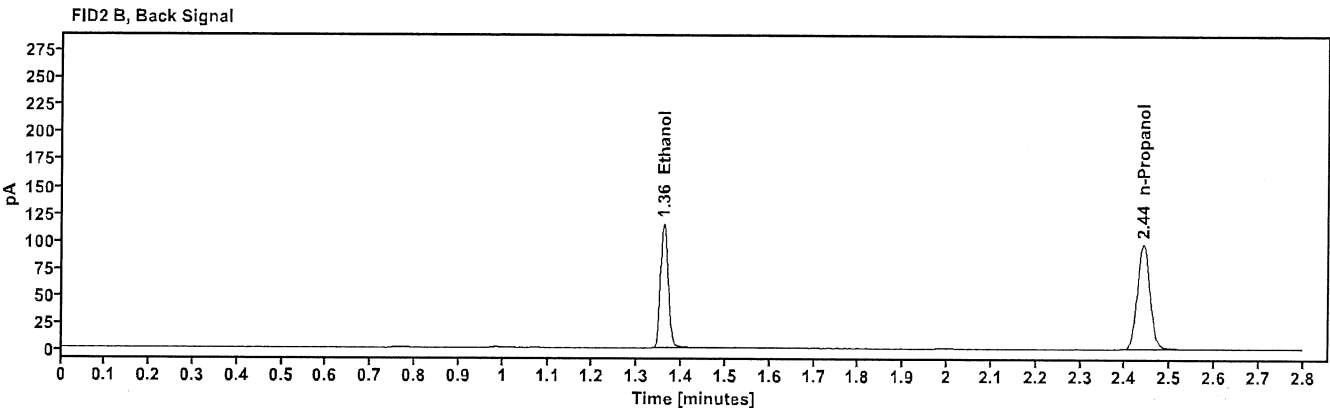
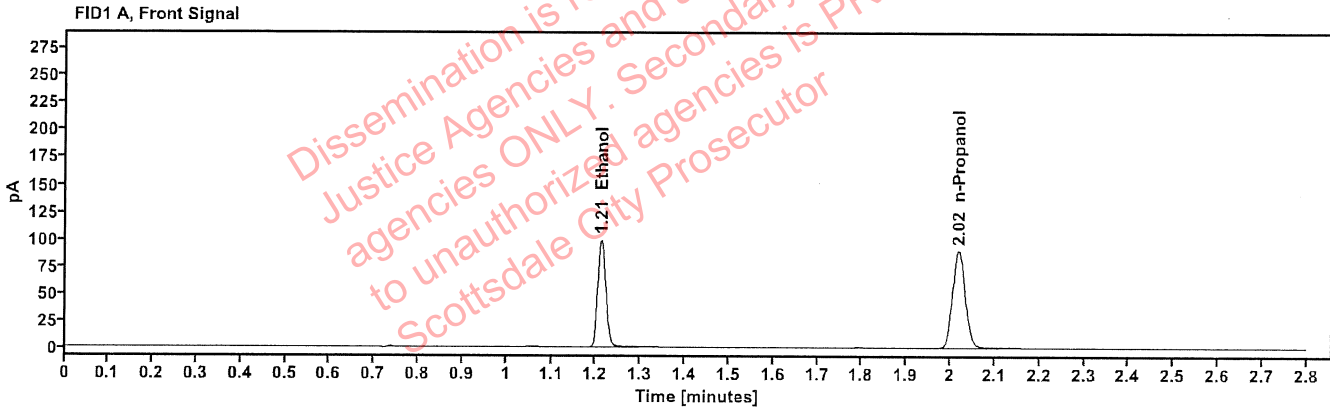


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2018	1.211	125.621
n-Propanol	-----	2.018	177.688

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

Compound	Time (min)	Peak Area
Ethanol	1.360	138.102
n-Propanol	2.440	192.934

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 04Mar24
Instrument: US14173023 CN14160045	Injection date: 3/4/2024 4:59:08 PM
Data file: C:\Chem32\1\Data\04Mar24\20.D	Analyst: Abbott

Abbott

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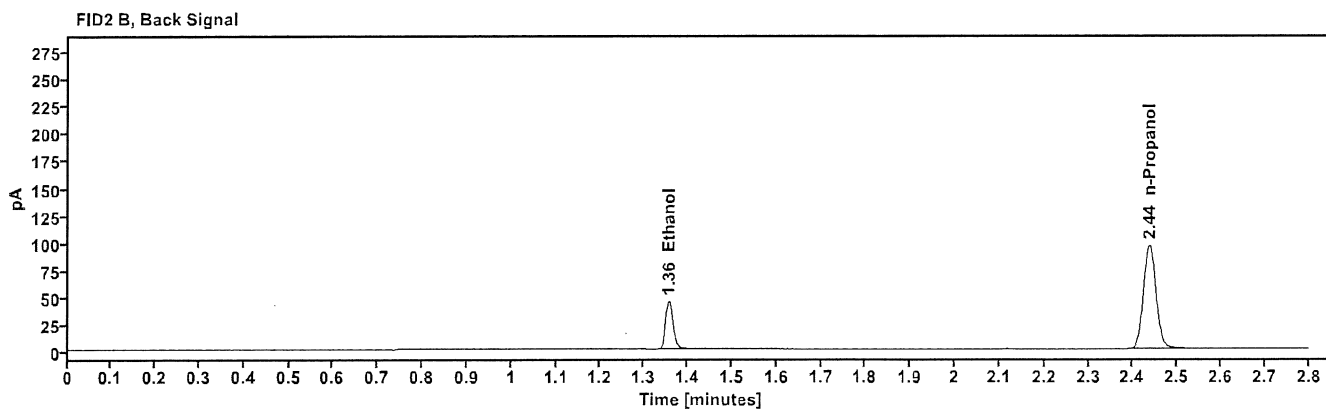
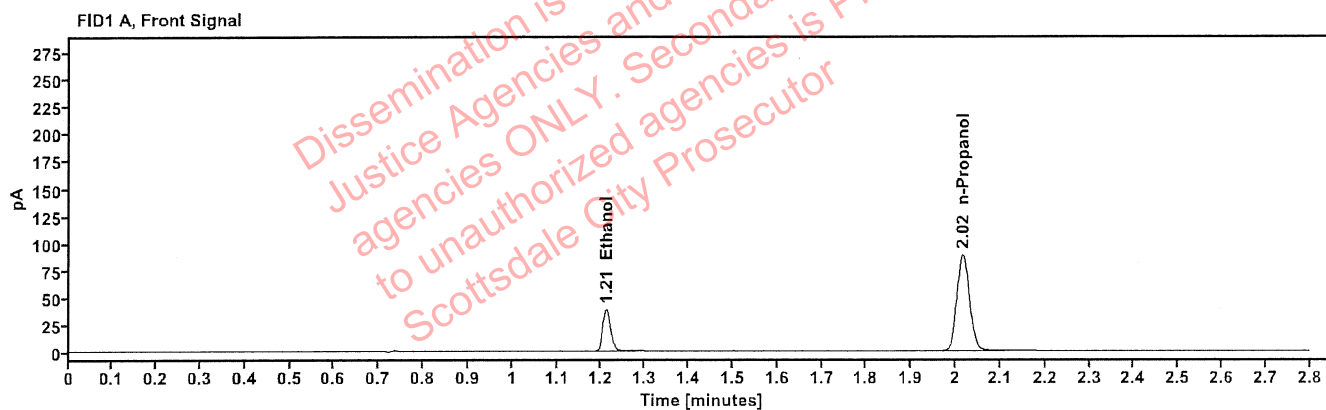


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0800	1.210	48.859
n-Propanol	-----	2.016	176.318

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

Compound	Time (min)	Peak Area
Ethanol	1.357	53.398
n-Propanol	2.437	191.104

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 04Mar24
Instrument: US14173023 CN14160045	Injection date: 3/4/2024 5:43:38 PM
Data file: C:\Chem32\1\Data\04Mar24\31.D	Analyst: Abbott

JA

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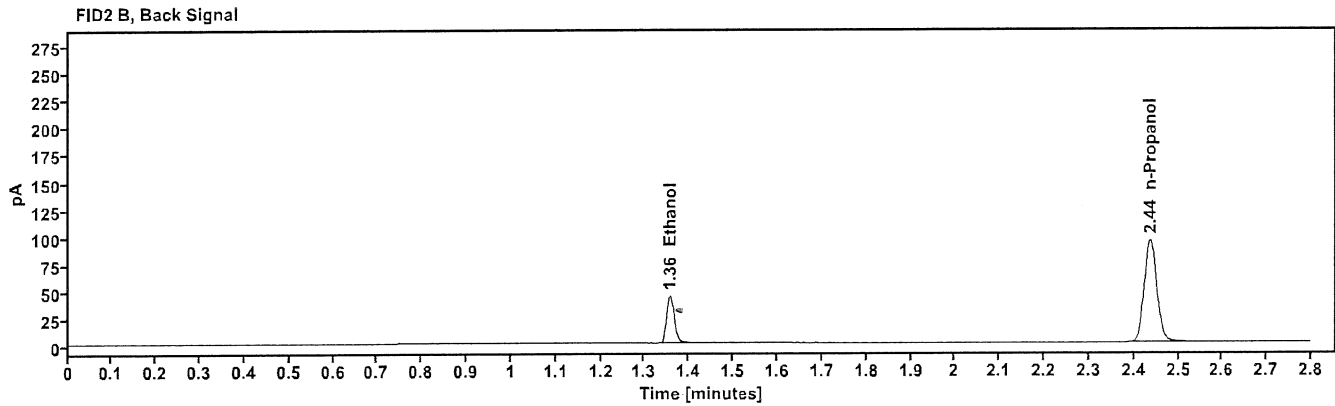
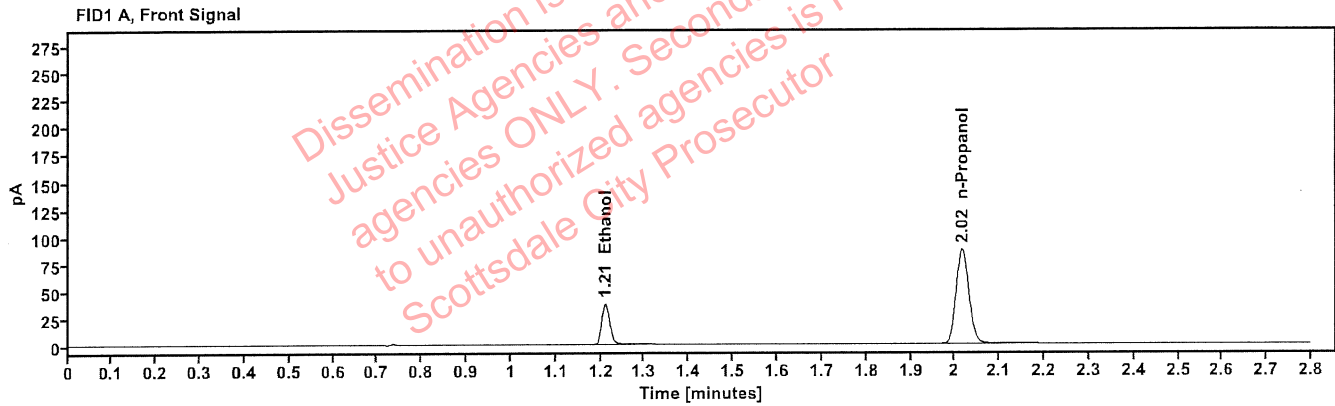


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0804	1.210	48.244
n-Propanol	-----	2.016	173.303

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

Compound	Time (min)	Peak Area
Ethanol	1.357	52.678
n-Propanol	2.437	187.624

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	30012020-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:27:53 PM
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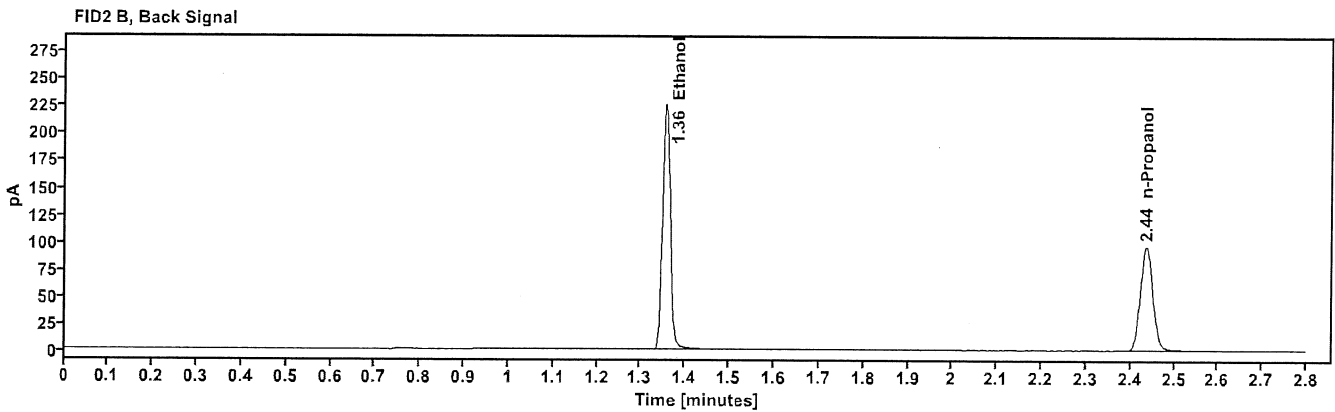
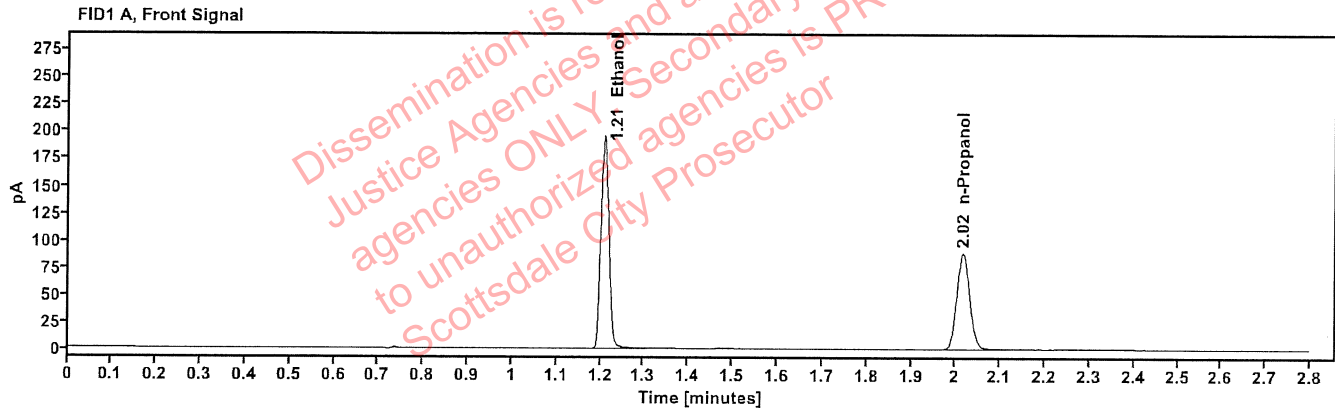


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3981	1.209	246.783
n-Propanol	-----	2.016	176.236

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

Compound	Time (min)	Peak Area
Ethanol	1.356	271.788
n-Propanol	2.437	191.147

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 04Mar24
Instrument: US14173023 CN14160045	Injection date: 3/4/2024 6:32:09 PM
Data file: C:\Chem32\1\Data\04Mar24\43.D	Analyst: Abbott

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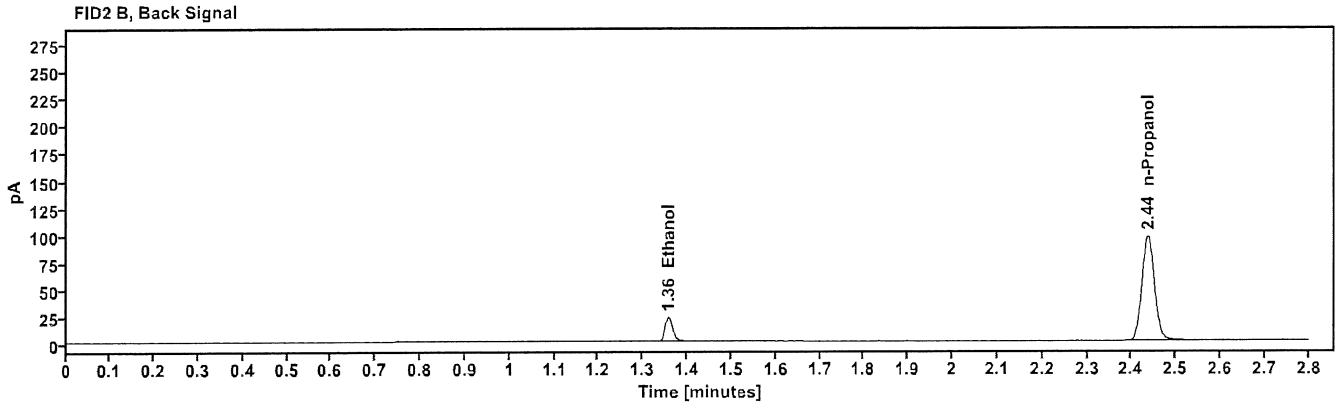
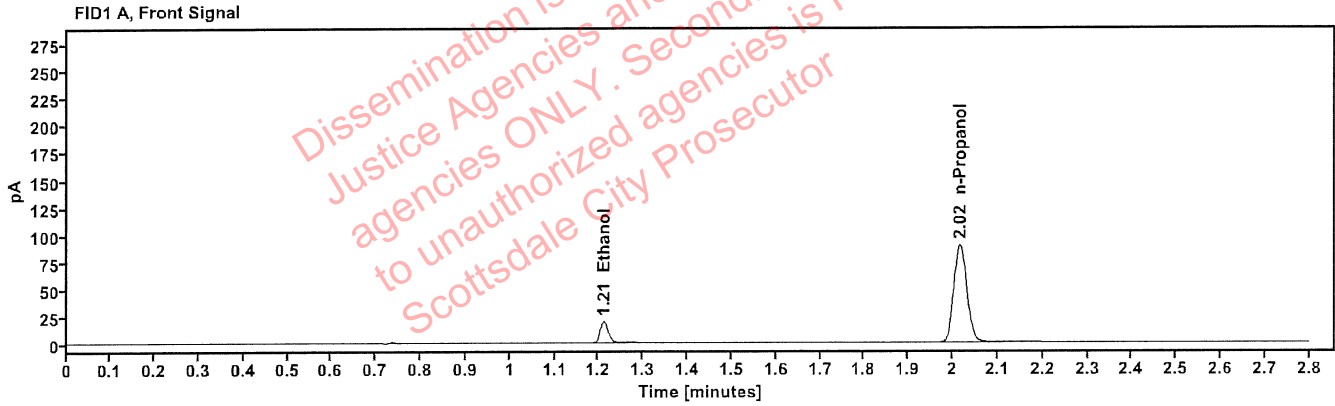


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.211	24.784
n-Propanol	-----	2.016	178.069

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

Compound	Time (min)	Peak Area
Ethanol	1.357	27.143
n-Propanol	2.437	192.939

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/11	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:36:08 PM
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Abbott

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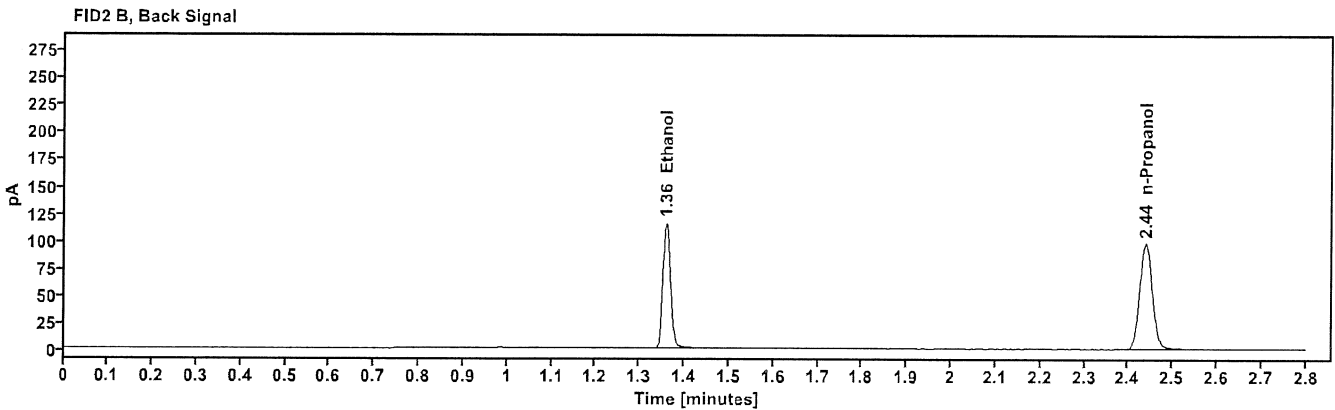
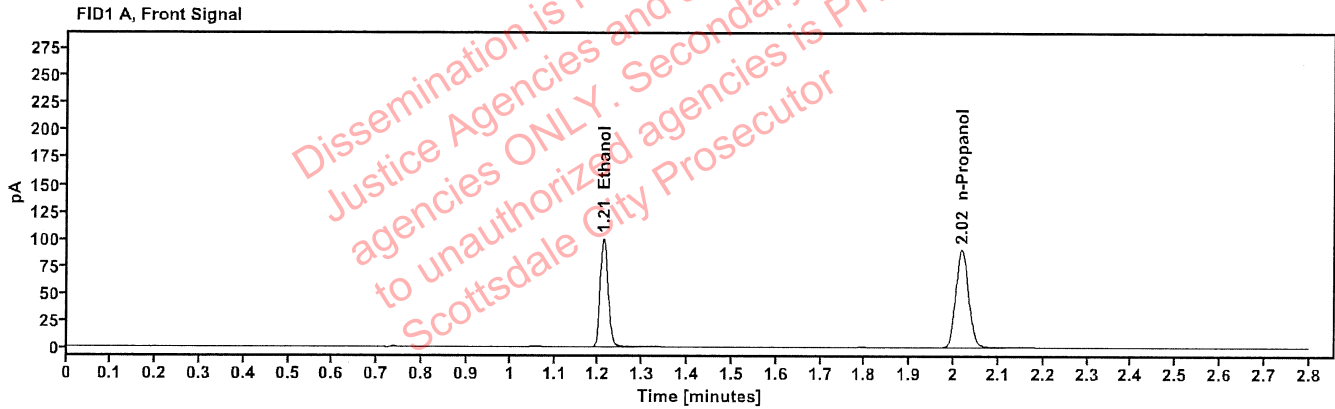


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2016	1.211	126.691
n-Propanol	-----	2.018	179.350

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

Compound	Time (min)	Peak Area
Ethanol	1.359	139.001
n-Propanol	2.439	194.417

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	010524AQ	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:40:08 PM
Data file:	C:\Chem32\1\Data\04Mar24\45.D	Analyst:	Abbott <i>Abbott</i>

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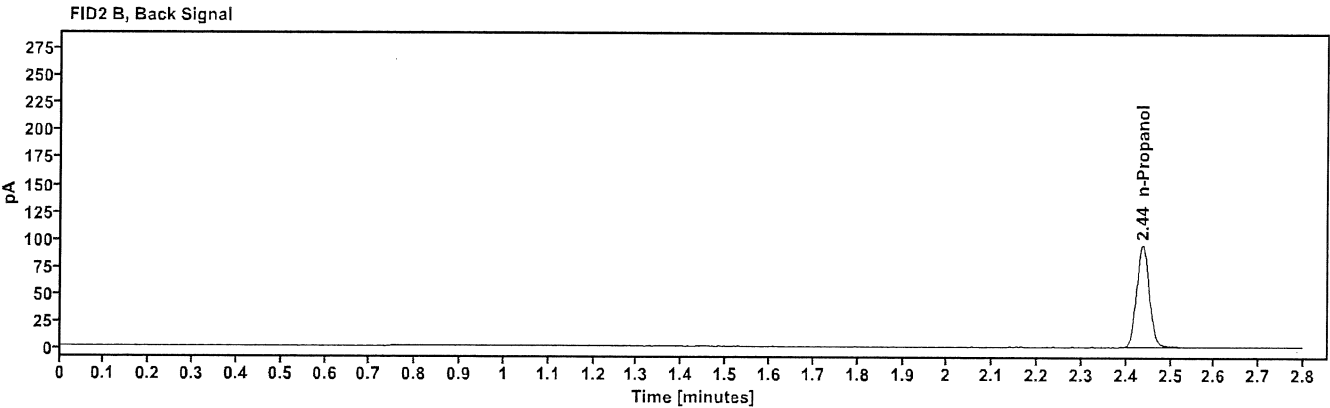
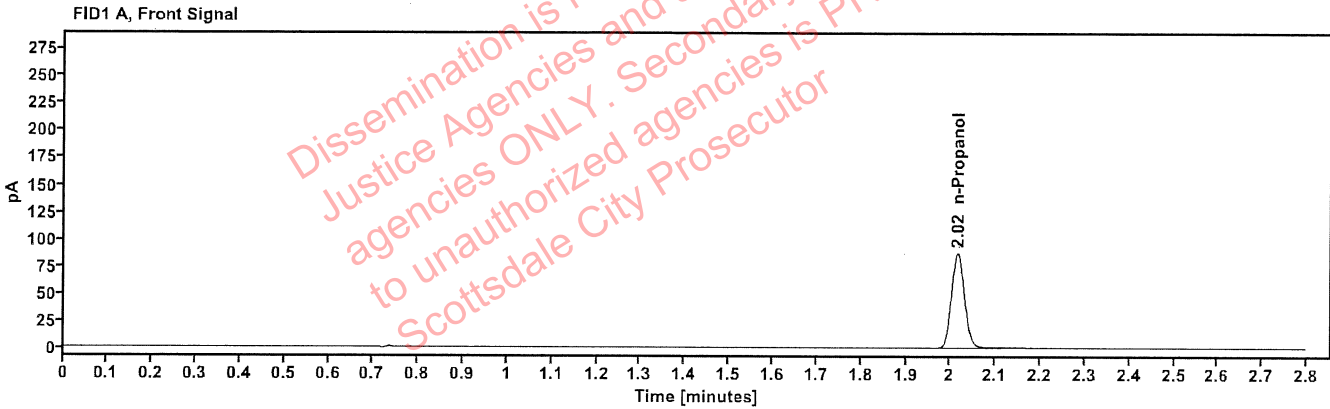


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	172.631

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

Compound	Time (min)	Peak Area
n-Propanol	2.437	187.018

Sequence Summary

Sequence name: 04Mar24 Instrument: US14173023 CN14160045 Analyst: Abbott *[Signature]*

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN03072301	0.100 calibrator	Calibration		ethanol quant.M
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	353-01M.W.		Sample		ethanol quant.M
11	353-01M.W.		Sample		ethanol quant.M
12	404-01J.G.		Sample		ethanol quant.M
13	404-01J.G.		Sample		ethanol quant.M
14	427-01H.R.		Sample		ethanol quant.M
15	427-01H.R.		Sample		ethanol quant.M
16	353-01M.D.		Sample		ethanol quant.M
17	353-01M.D.		Sample		ethanol quant.M
18	422-01C.B.		Sample		ethanol quant.M
19	422-01C.B.		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	419-01C.F.		Sample		ethanol quant.M
22	419-01C.F.		Sample		ethanol quant.M
23	353-01T.G.		Sample		ethanol quant.M
24	353-01T.G.		Sample		ethanol quant.M
25	390-01R.D.		Sample		ethanol quant.M
26	390-01R.D.		Sample		ethanol quant.M
27	368-01S.E.		Sample		ethanol quant.M
28	368-01S.E.		Sample		ethanol quant.M
29	431-01B.W.		Sample		ethanol quant.M
30	431-01B.W.		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2401982-3		Sample		ethanol quant.M
33	2401982-3		Sample		ethanol quant.M
34	2404310-1		Sample		ethanol quant.M
35	2404310-1		Sample		ethanol quant.M
36	2403897-1		Sample		ethanol quant.M
37	2403897-1		Sample		ethanol quant.M
38	2403331-2		Sample		ethanol quant.M
39	2403331-2		Sample		ethanol quant.M
40	2404642-1		Sample		ethanol quant.M
41	2404642-1		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	010524AQ	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 04Mar24

ANALYST: Abbott *AM*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1403	0.1388	0.13955	0.54	0.00075
12 13	0.0612	0.0595	0.06035	1.41	0.00085
14 15	0.2358	0.2357	0.23575	0.02	0.00005
16 17	0.1233	0.1219	0.12260	0.57	0.00070
18 19	0.3103	0.3104	0.31035	0.02	0.00005
21 22	0.1358	0.1424	0.13910	2.37	0.00330
23 24	0.1533	0.1530	0.15315	0.10	0.00015
25 26	0.1991	0.1983	0.19870	0.20	0.00040
27 28	0.1746	0.1744	0.17450	0.06	0.00010
29 30	0.1307	0.1285	0.12960	0.85	0.00110
32 33	0.2653	0.2684	0.26685	0.58	0.00155
34 35	0.0790	0.0785	0.07875	0.32	0.00025
36 37	0.0977	0.0964	0.09705	0.67	0.00065
38 39	0.2012	0.2029	0.20205	0.42	0.00085
40 41	0.2152	0.2171	0.21615	0.44	0.00095

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.W.	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:18:38 PM
Data file:	C:\Chem32\1\Data\04Mar24\10.D	Analyst:	Abbott

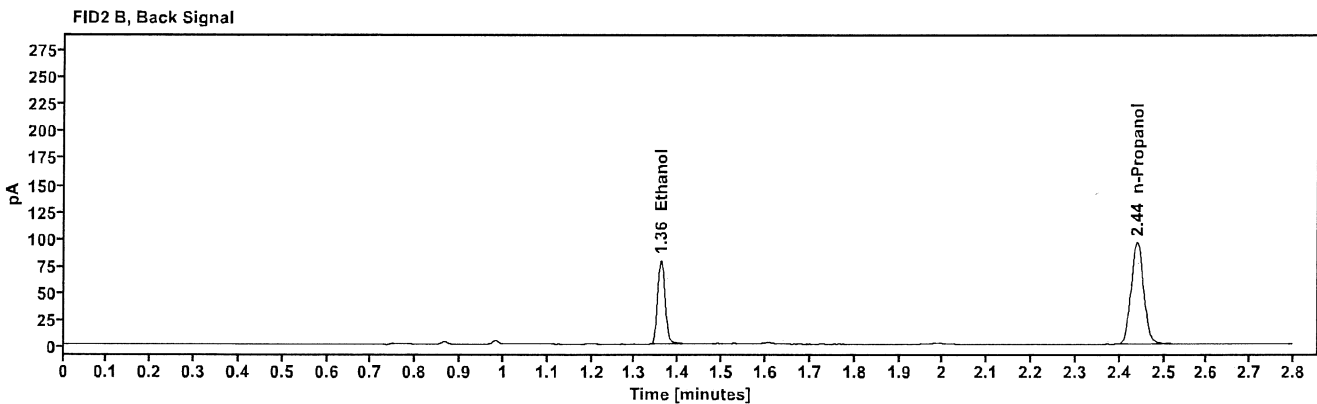
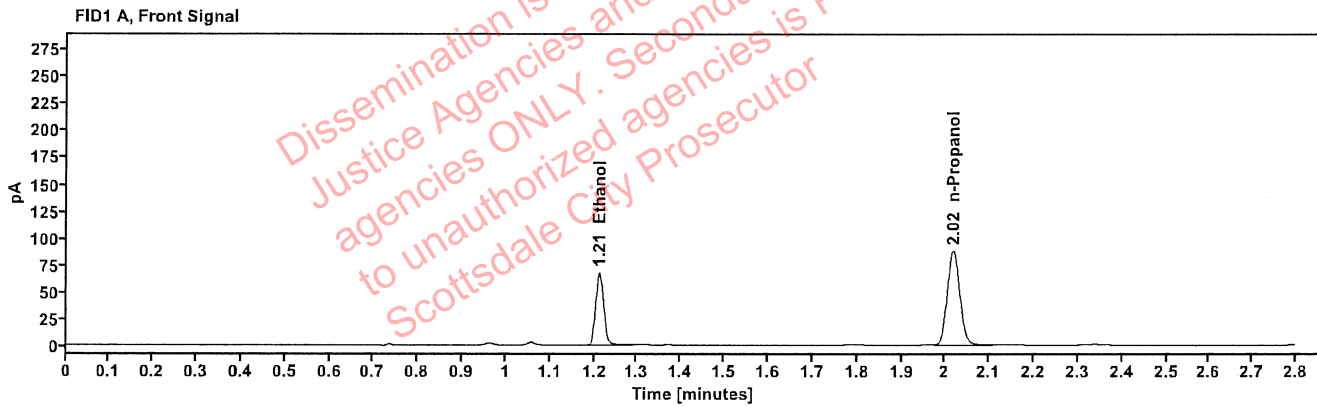


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1403	1.212	85.770
n-Propanol	---	2.018	175.018

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

Compound	Time (min)	Peak Area
Ethanol	1.359	94.236
n-Propanol	2.440	189.407

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.W.	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:22:38 PM
Data file:	C:\Chem32\1\Data\04Mar24\11.D	Analyst:	Abbott

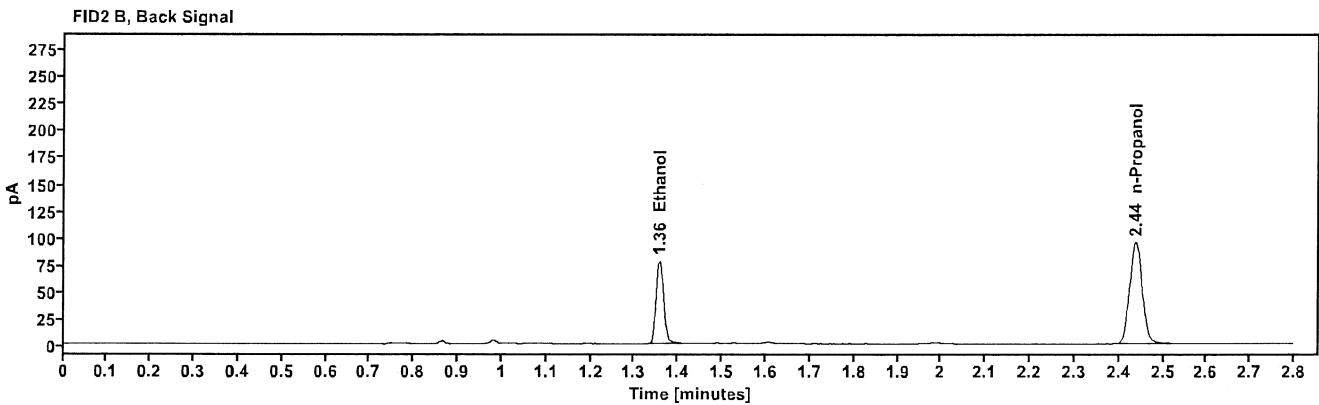
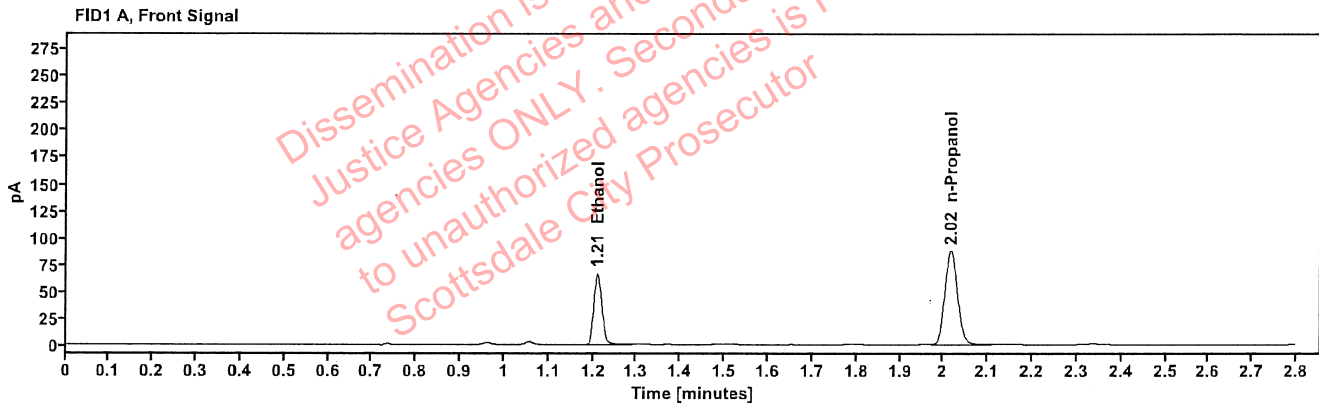


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1388	1.210	84.687
n-Propanol	-----	2.017	174.811

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

Compound	Time (min)	Peak Area
Ethanol	1.357	93.021
n-Propanol	2.437	189.086

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01J.G.	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:26:37 PM
Data file:	C:\Chem32\1\Data\04Mar24\12.D	Analyst:	Abbott

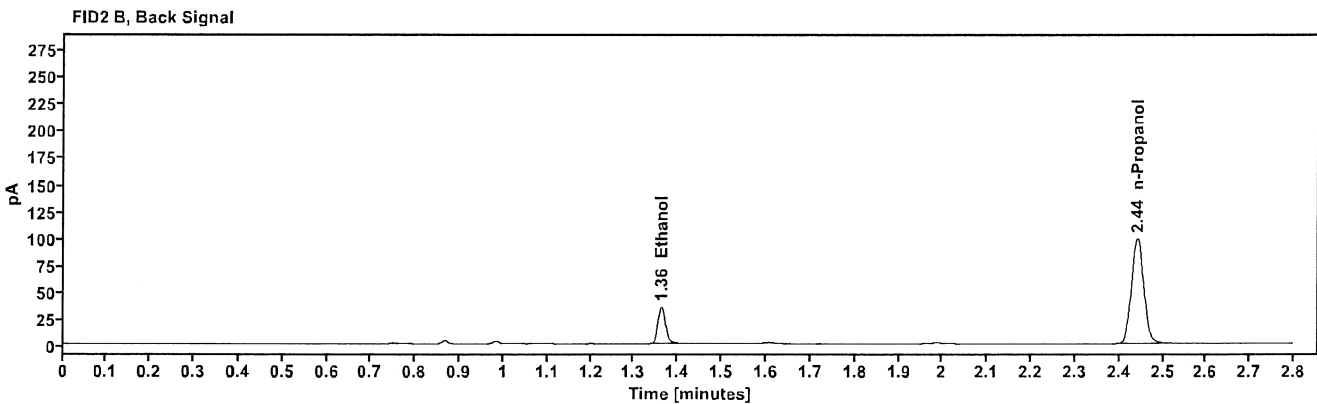
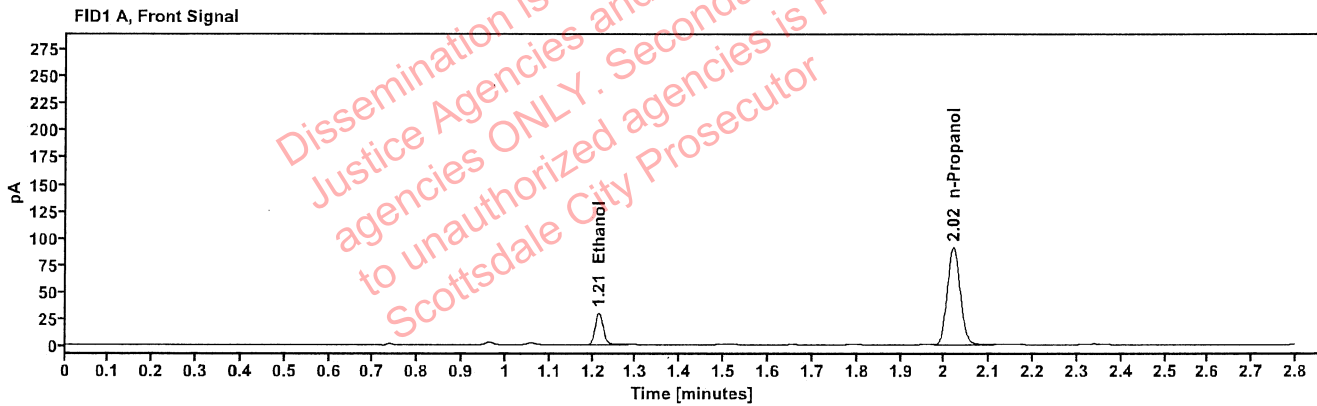


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0612	1.214	38.197
n-Propanol	-----	2.019	181.304

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

Compound	Time (min)	Peak Area
Ethanol	1.362	41.991
n-Propanol	2.442	196.201

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01J.G.	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:30:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\13.D	Analyst:	Abbott

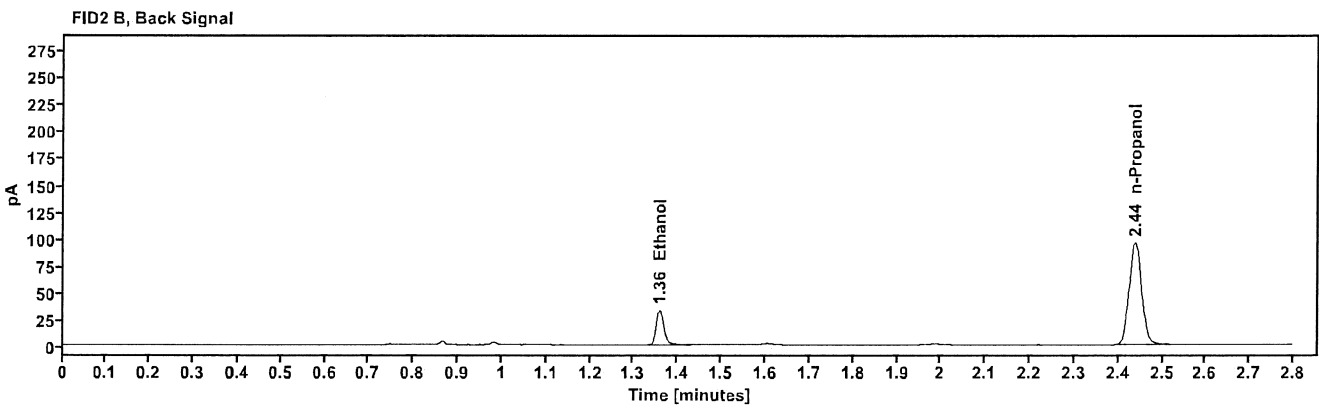
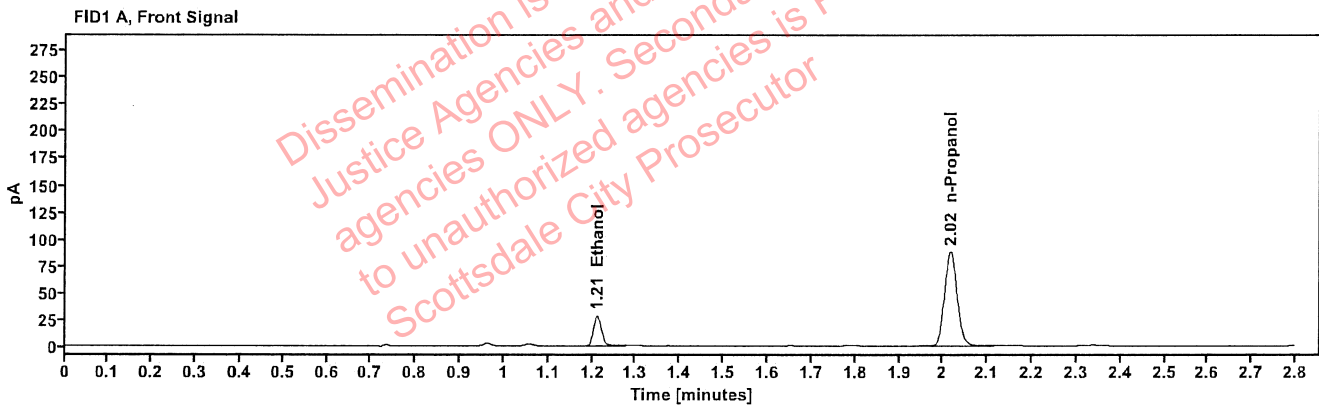


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0595	1.211	35.976
n-Propanol	-----	2.017	175.832

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

Compound	Time (min)	Peak Area
Ethanol	1.358	40.167
n-Propanol	2.438	189.771

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	427-01H.R.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:34:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\14.D	Analyst:	Abbott

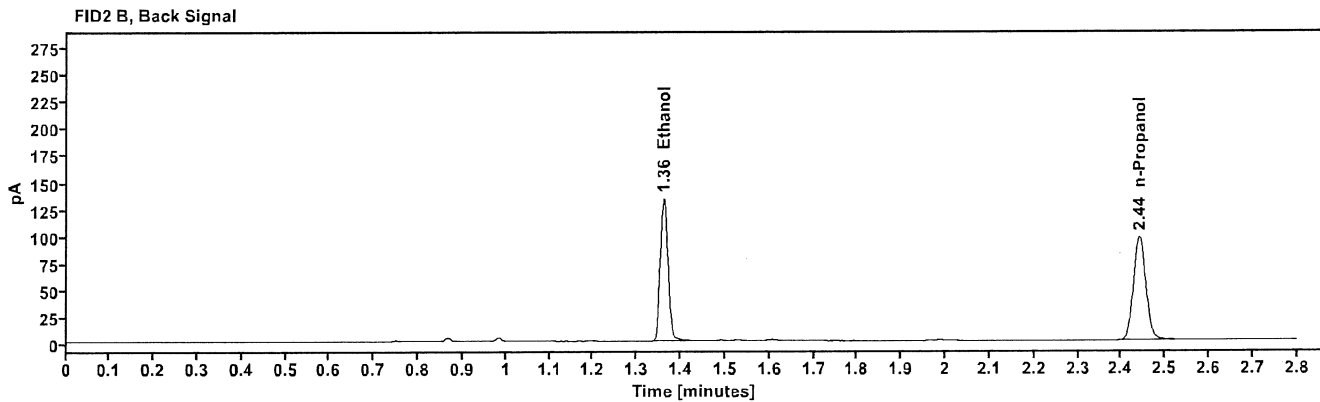
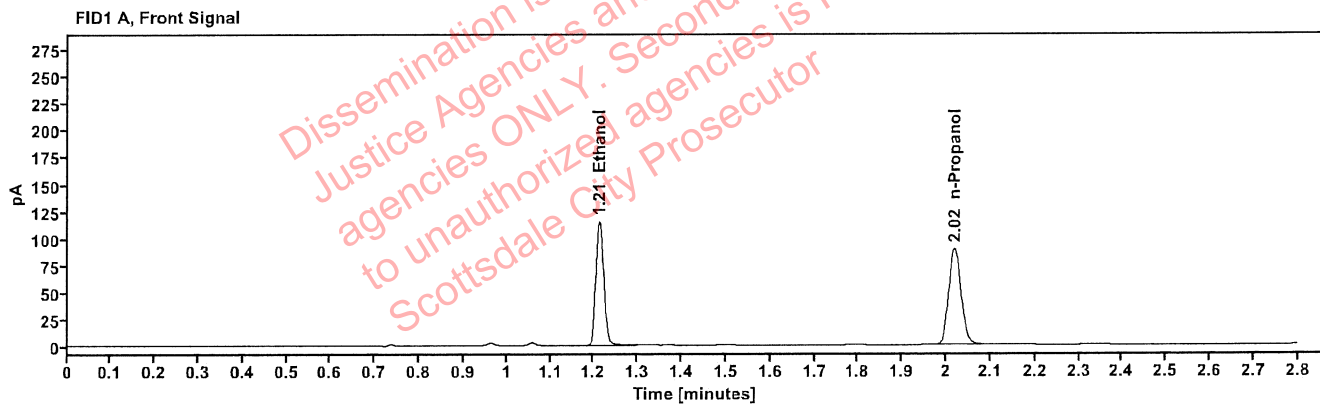


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2358	1.212	146.573
n-Propanol	-----	2.019	177.222

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

Compound	Time (min)	Peak Area
Ethanol	1.361	161.192
n-Propanol	2.441	192.326

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	427-01H.R.	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:38:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\15.D	Analyst:	Abbott

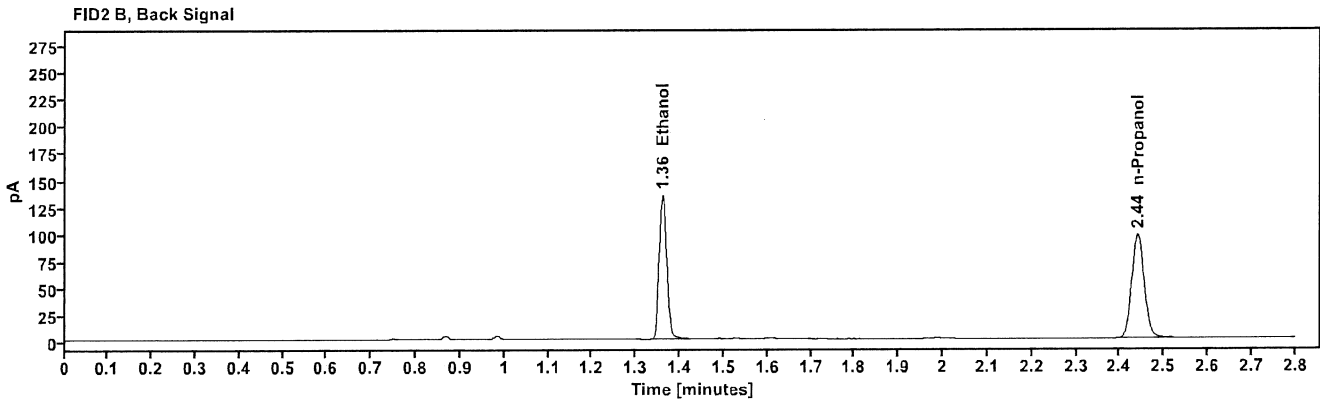
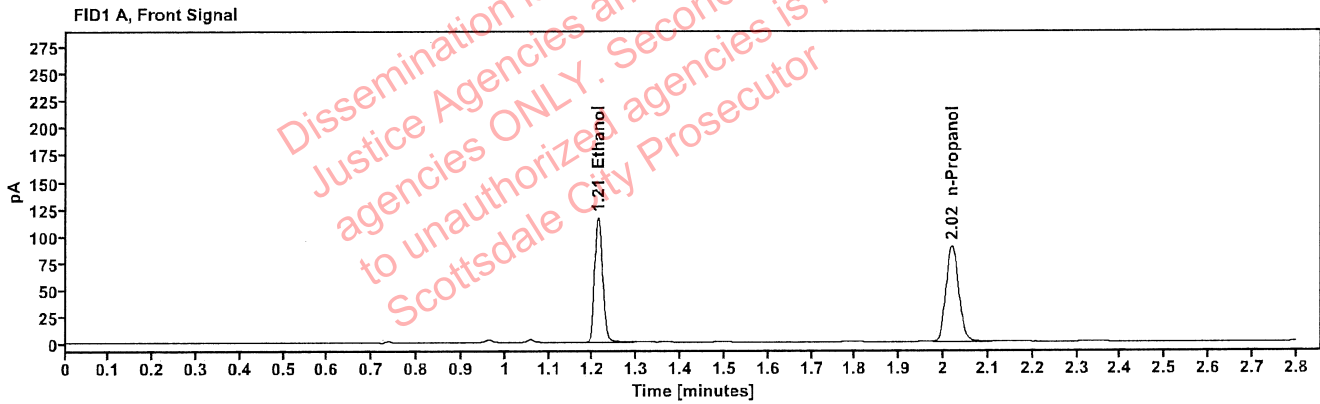


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2357	1.212	147.699
n-Propanol	-----	2.019	178.643

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

Compound	Time (min)	Peak Area
Ethanol	1.360	162.586
n-Propanol	2.441	192.422

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.D.	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:42:54 PM
Data file:	C:\Chem32\1\Data\04Mar24\16.D	Analyst:	Abbott

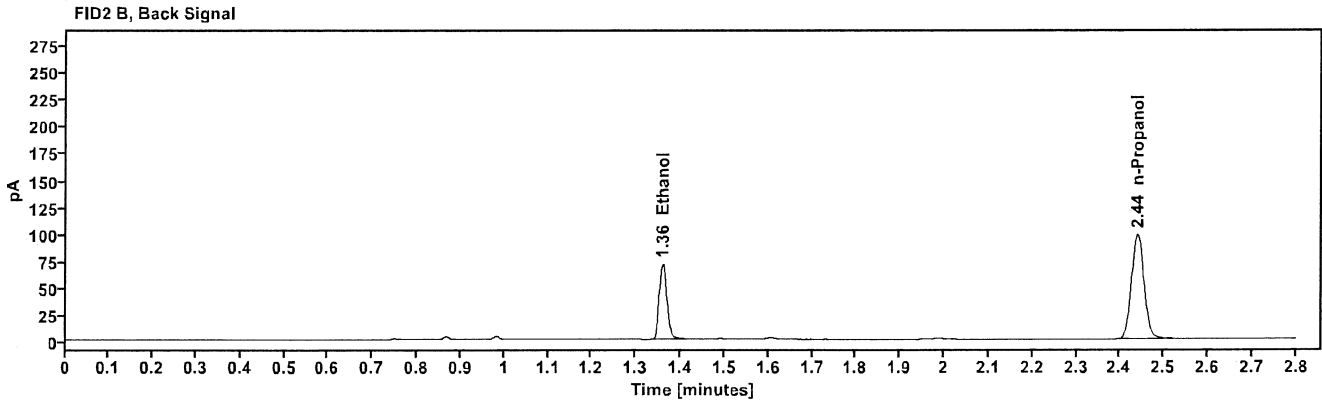
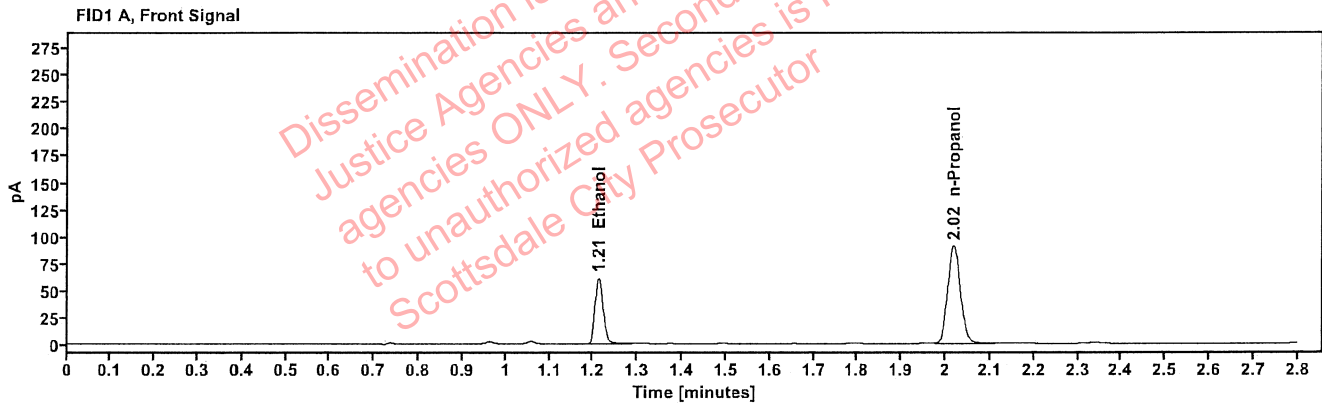


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1233	1.212	77.680
n-Propanol	-----	2.018	180.692

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

Compound	Time (min)	Peak Area
Ethanol	1.360	85.404
n-Propanol	2.440	194.678

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.D.	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:46:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\17.D	Analyst:	Abbott

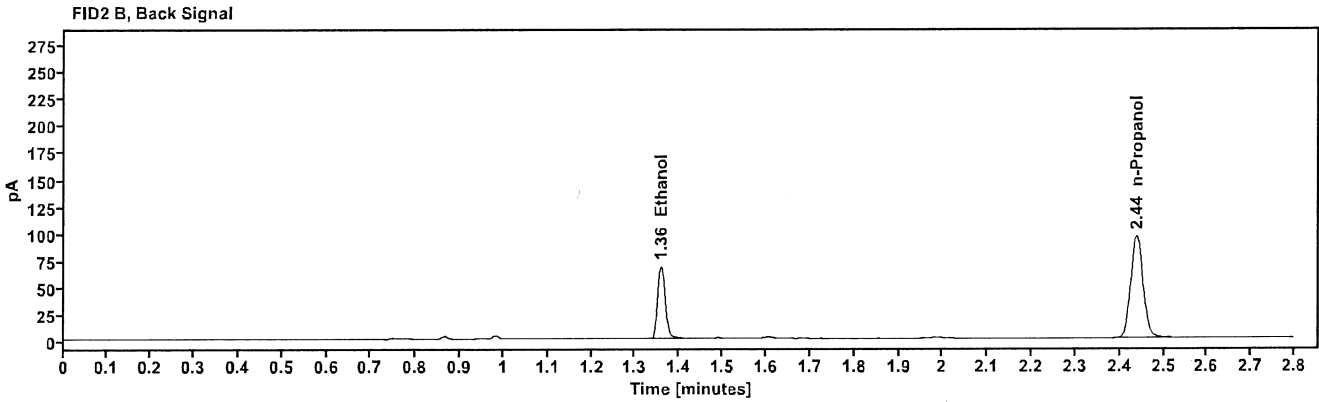
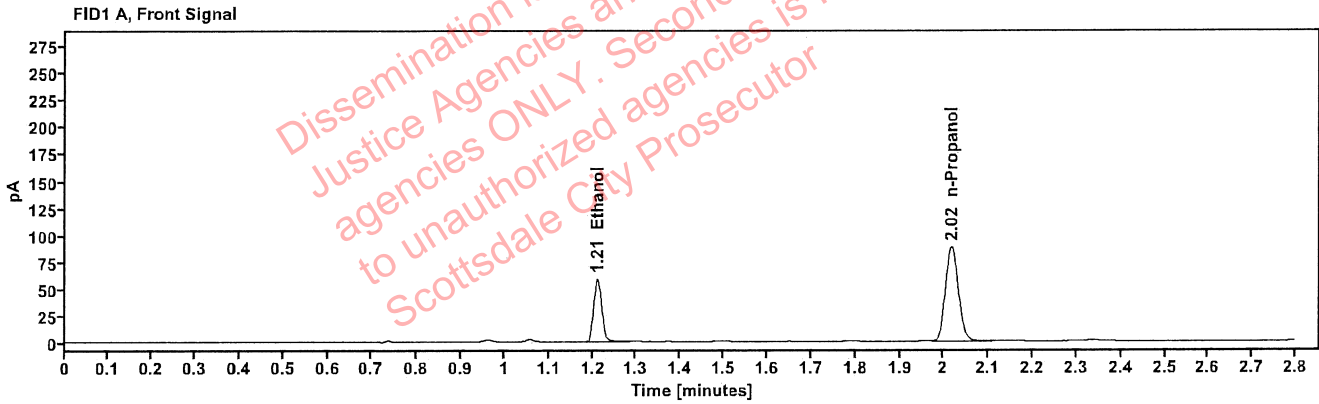


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1219	1.211	74.717
n-Propanol	-----	2.017	175.859

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

Compound	Time (min)	Peak Area
Ethanol	1.358	82.162
n-Propanol	2.438	189.785

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01C.B.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:50:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\18.D	Analyst:	Abbott

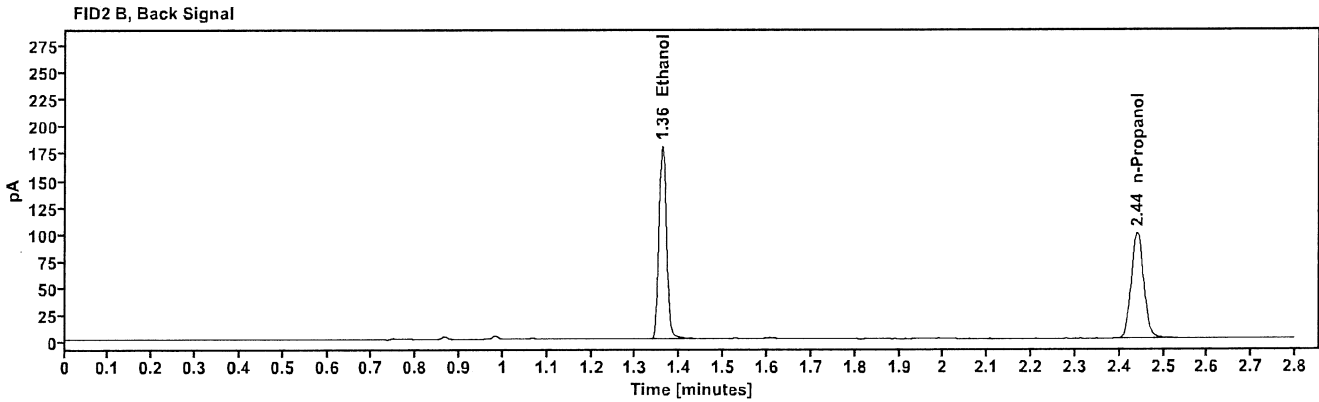
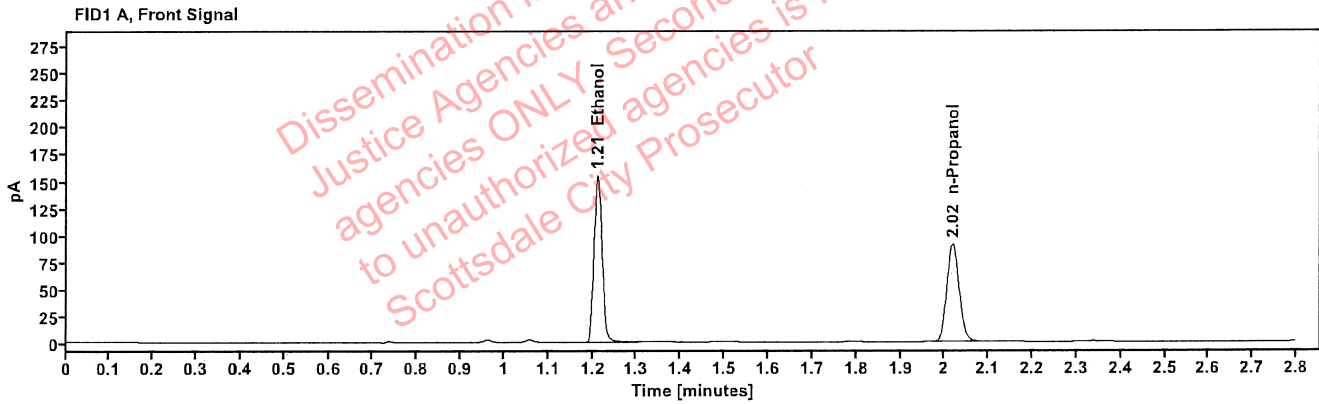


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3103	1.211	197.152
n-Propanol	-----	2.018	180.832

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

Compound	Time (min)	Peak Area
Ethanol	1.360	218.417
n-Propanol	2.440	195.988

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01C.B.	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 4:55:08 PM
Data file:	C:\Chem32\1\Data\04Mar24\19.D	Analyst:	Abbott

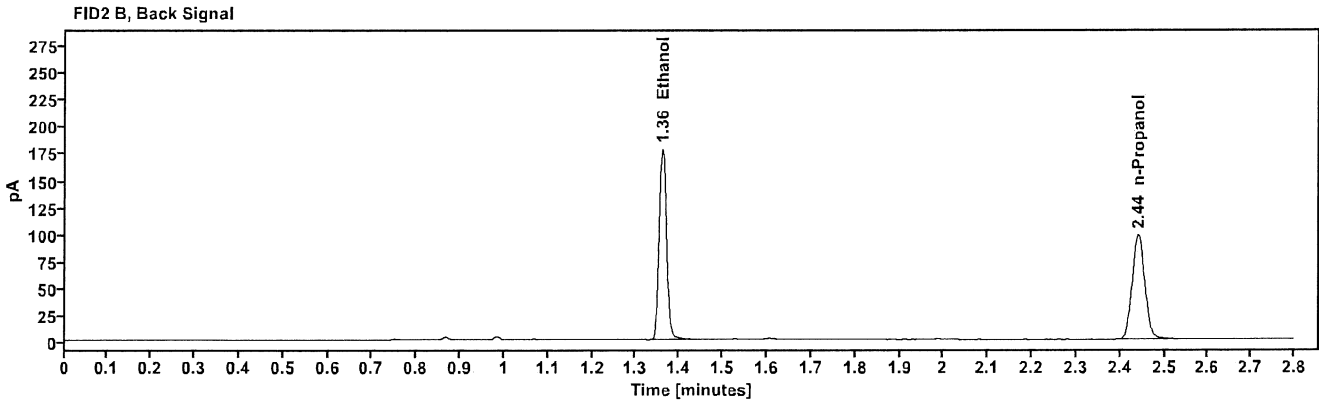
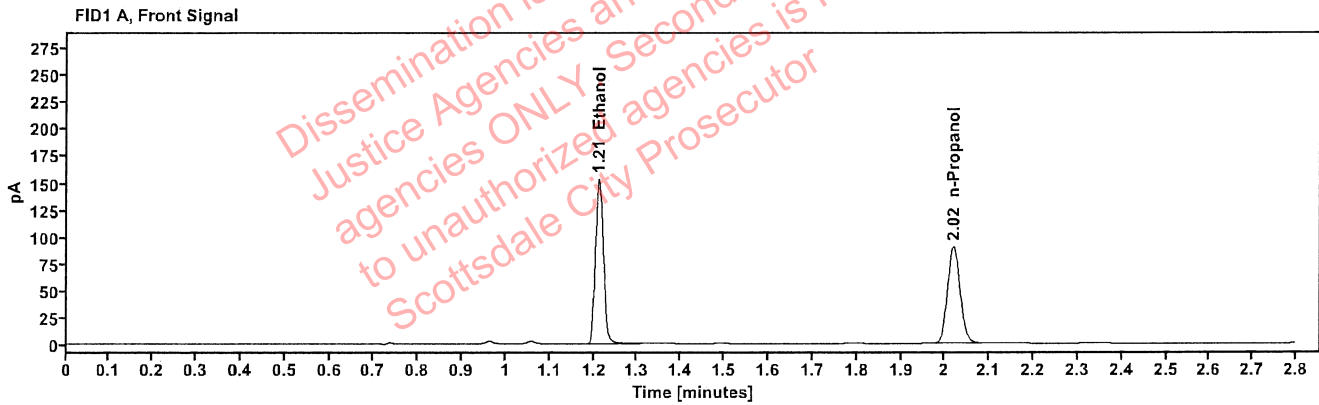


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3104	1.212	195.273
n-Propanol	-----	2.019	179.039

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

Compound	Time (min)	Peak Area
Ethanol	1.361	215.910
n-Propanol	2.441	193.893

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	419-01C.F.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:03:08 PM
Data file:	C:\Chem32\1\Data\04Mar24\21.D	Analyst:	Abbott

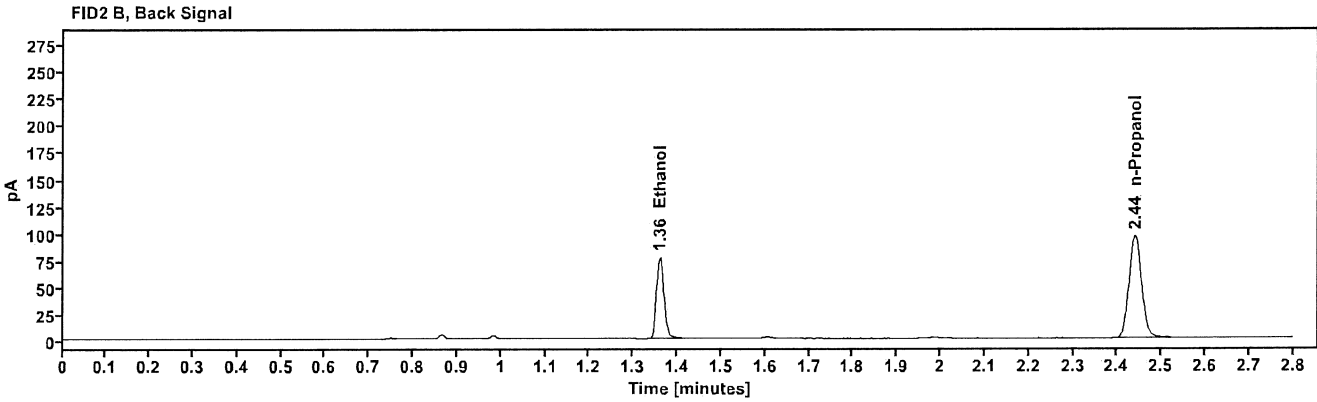
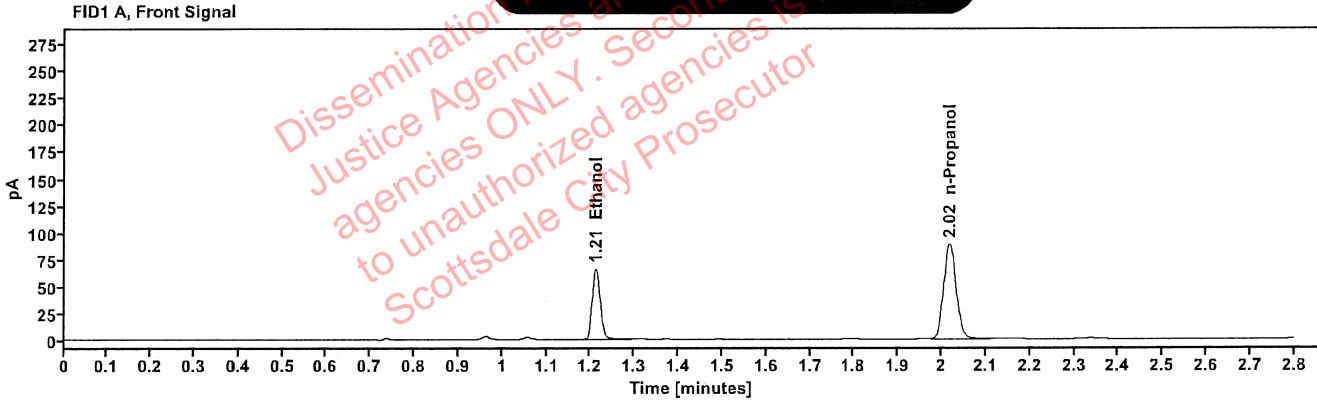


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1358	1.212	84.071
n-Propanol	-----	2.018	177.404

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

Compound	Time (min)	Peak Area
Ethanol	1.360	92.484
n-Propanol	2.440	191.422

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	419-01C.F.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:07:08 PM
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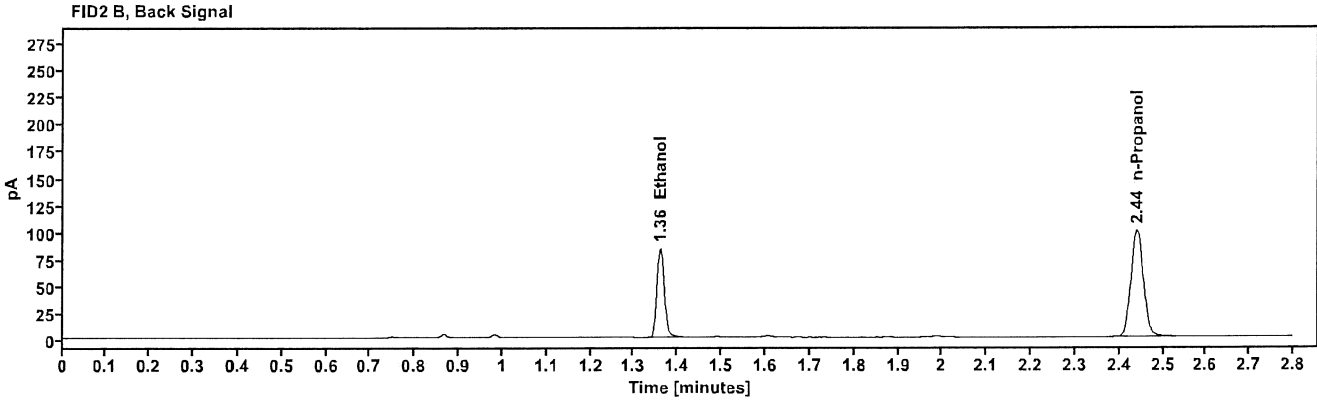
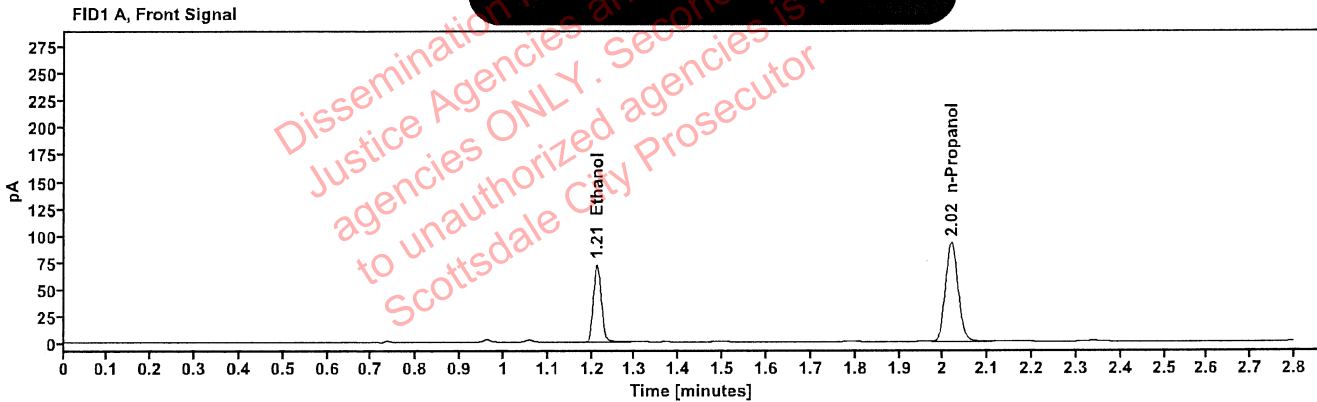


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1424	1.212	91.749
n-Propanol	-----	2.018	184.503

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

Compound	Time (min)	Peak Area
Ethanol	1.360	100.858
n-Propanol	2.440	199.076

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01T.G.	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:11:09 PM
Data file:	C:\Chem32\1\Data\04Mar24\23.D	Analyst:	Abbott

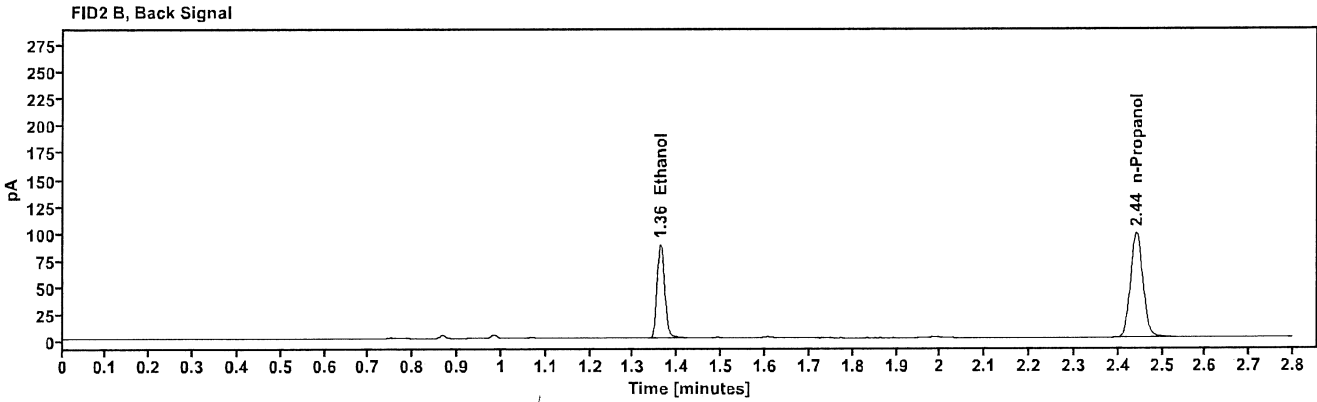
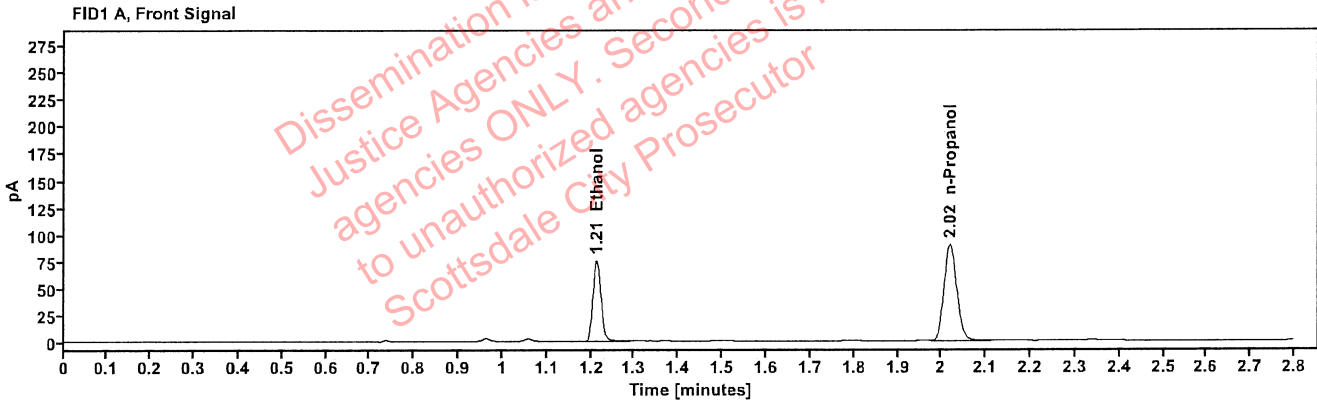


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1533	1.213	96.526
n-Propanol	-----	2.019	180.089

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

Compound	Time (min)	Peak Area
Ethanol	1.361	106.047
n-Propanol	2.441	194.753

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01T.G.	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:15:08 PM
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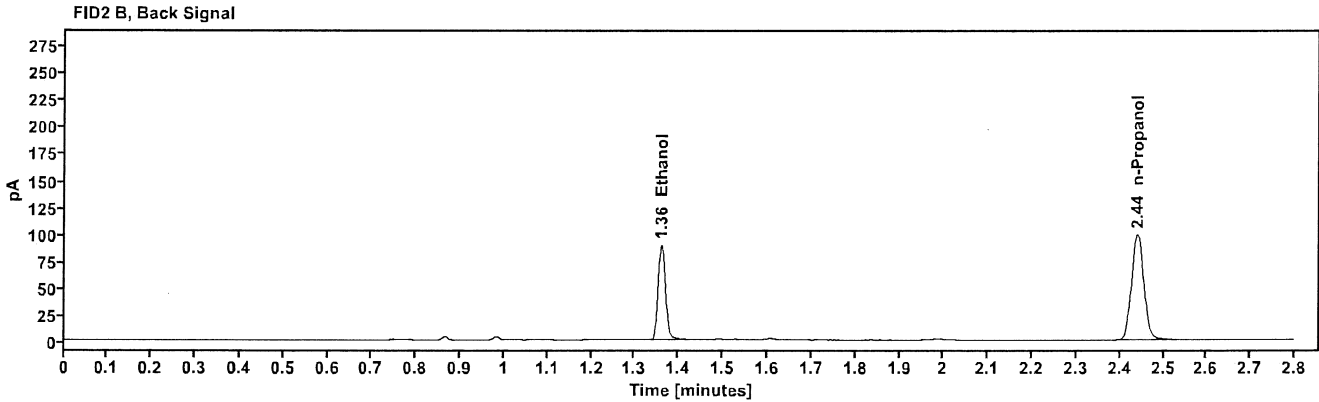
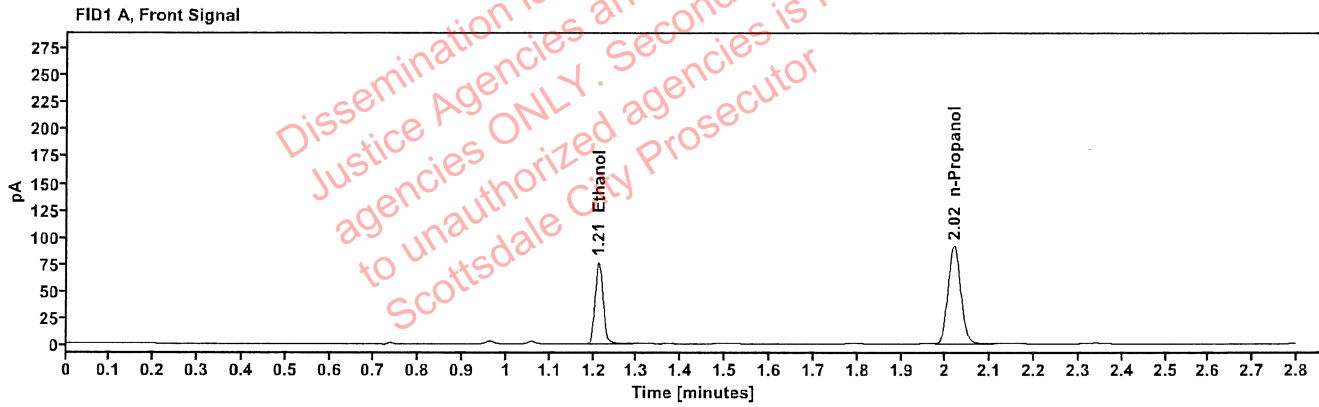


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1530	1.212	97.423
n-Propanol	-----	2.018	182.222

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

Compound	Time (min)	Peak Area
Ethanol	1.360	107.192
n-Propanol	2.440	197.087

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01R.D.	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:19:23 PM
Data file:	C:\Chem32\1\Data\04Mar24\25.D	Analyst:	Abbott

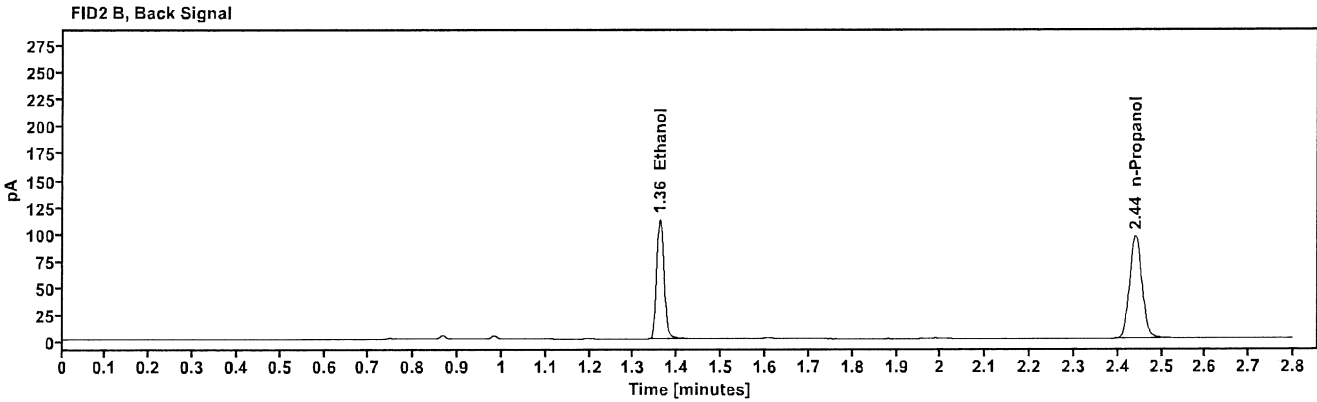
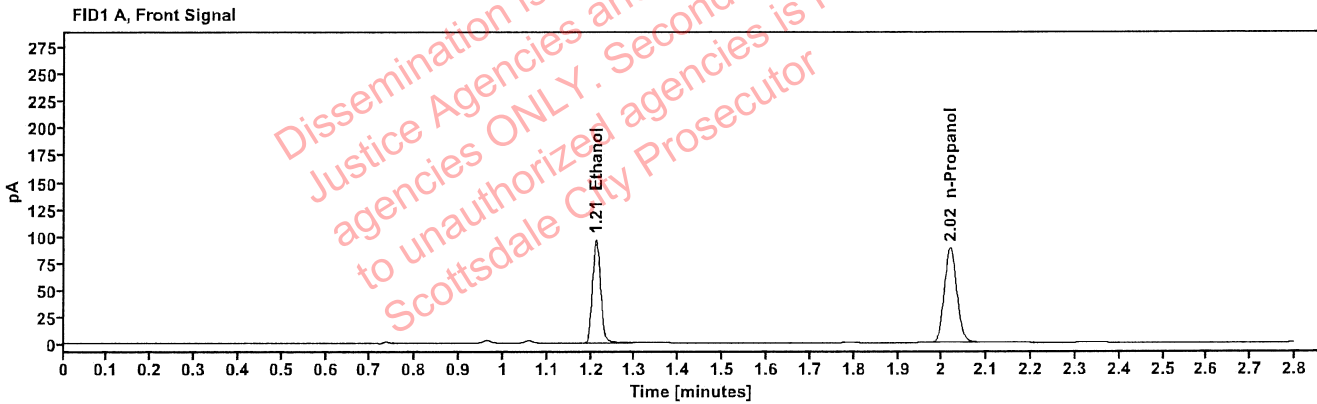


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1991	1.212	122.732
n-Propanol	-----	2.018	175.906

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

Compound	Time (min)	Peak Area
Ethanol	1.360	134.647
n-Propanol	2.440	190.865

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01R.D.	Vial:	26
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:23:23 PM
Data file:	C:\Chem32\1\Data\04Mar24\26.D	Analyst:	Abbott

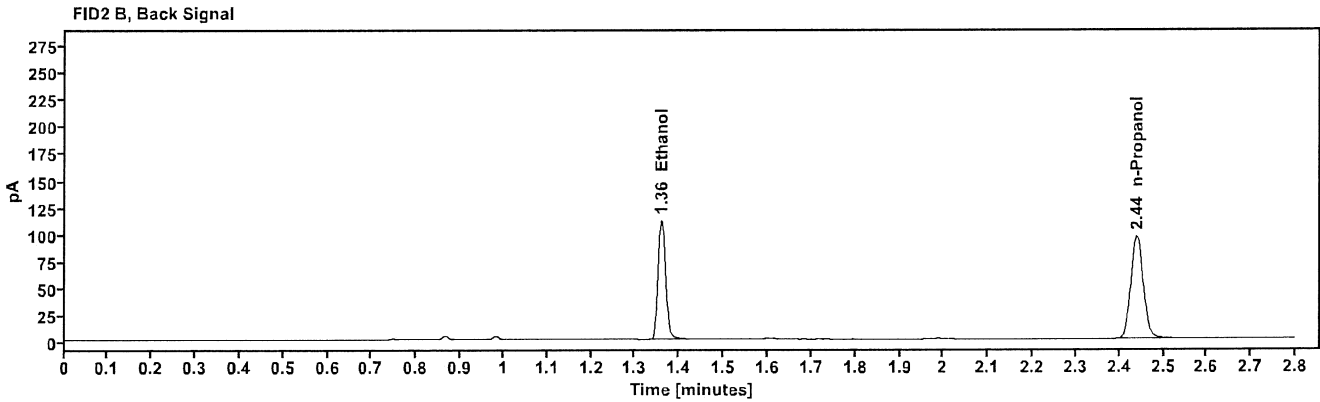
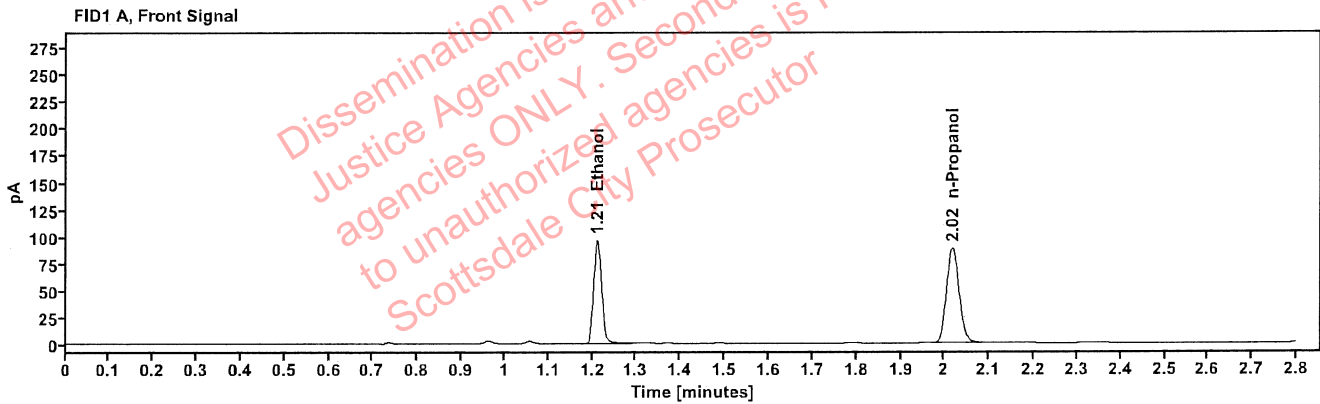


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1983	1.211	122.170
n-Propanol	-----	2.018	175.815

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

Compound	Time (min)	Peak Area
Ethanol	1.359	134.288
n-Propanol	2.440	190.714

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	368-01S.E.	Vial:	27
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:27:24 PM
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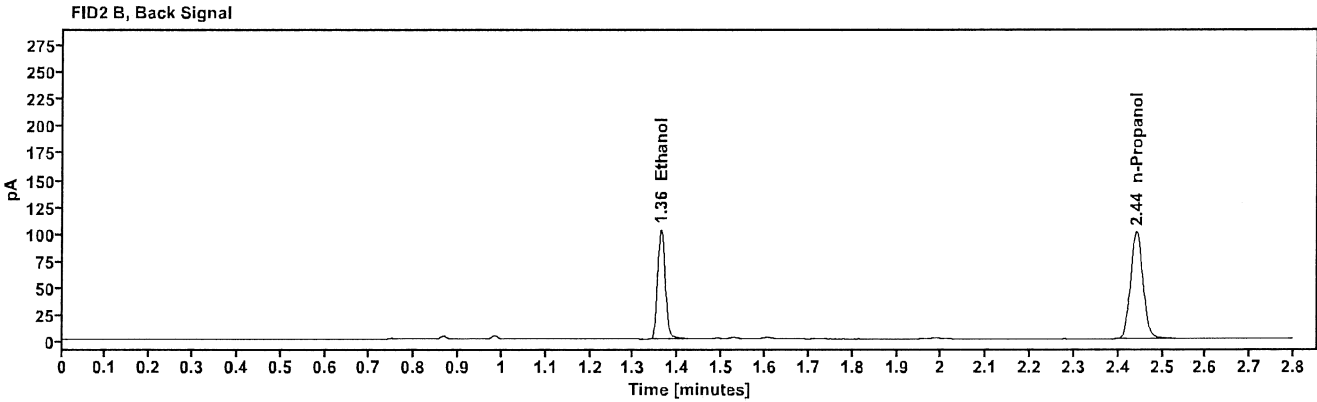
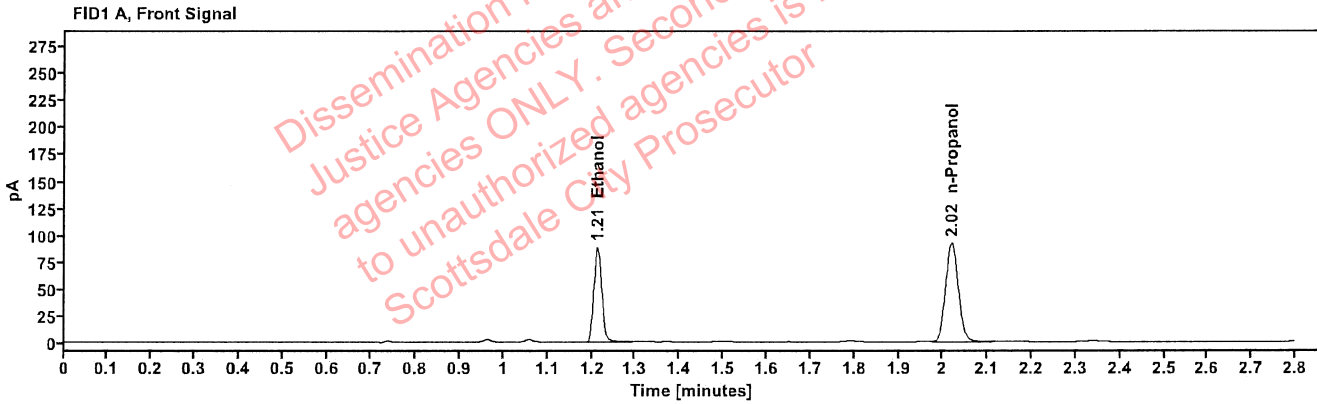


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1746	1.212	112.781
n-Propanol	-----	2.019	184.539

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

Compound	Time (min)	Peak Area
Ethanol	1.361	124.074
n-Propanol	2.441	198.848

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	368-01S.E.	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:31:23 PM
Data file:	C:\Chem32\1\Data\04Mar24\28.D	Analyst:	Abbott

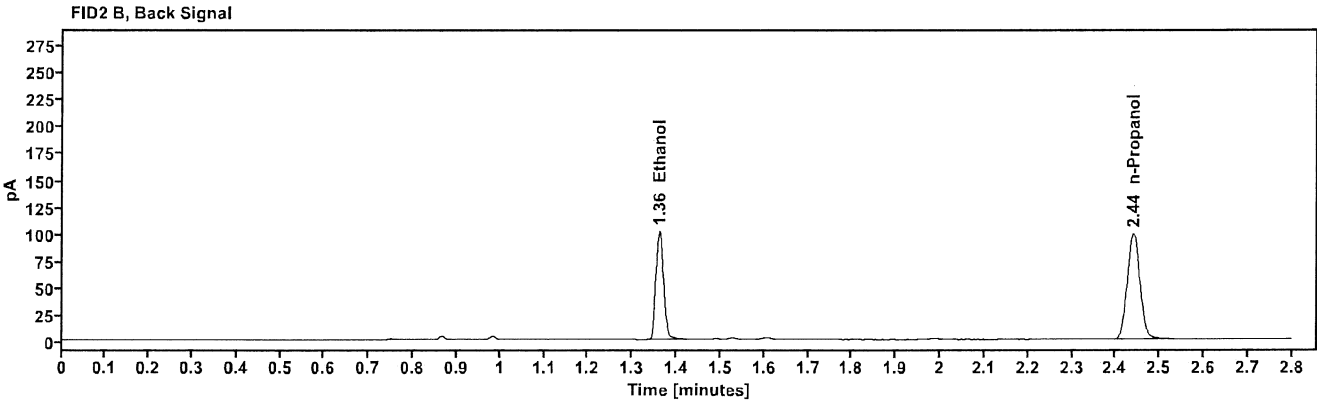
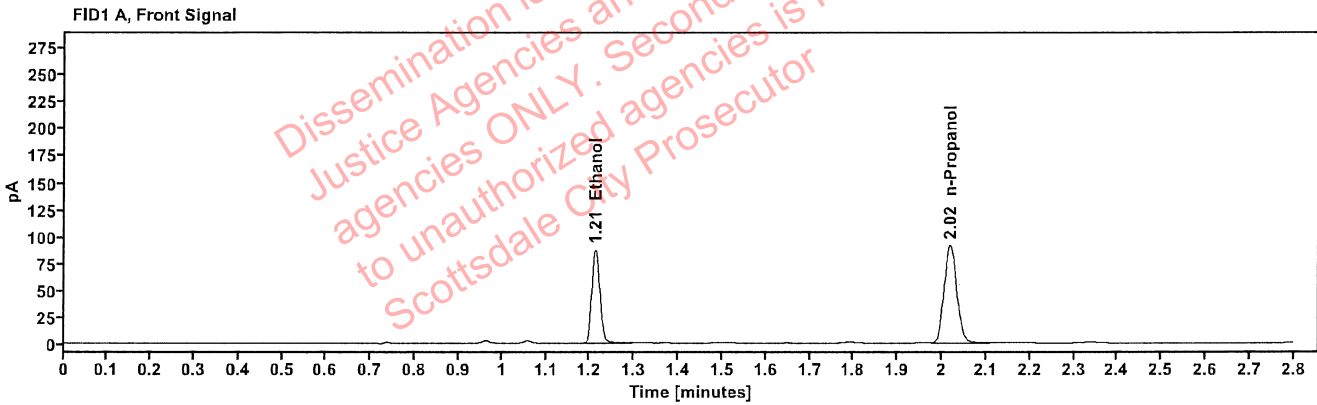


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1744	1.212	111.339
n-Propanol	-----	2.018	182.399

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

Compound	Time (min)	Peak Area
Ethanol	1.360	122.424
n-Propanol	2.440	196.579

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	431-01B.W.	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:35:24 PM
Data file:	C:\Chem32\1\Data\04Mar24\29.D	Analyst:	Abbott

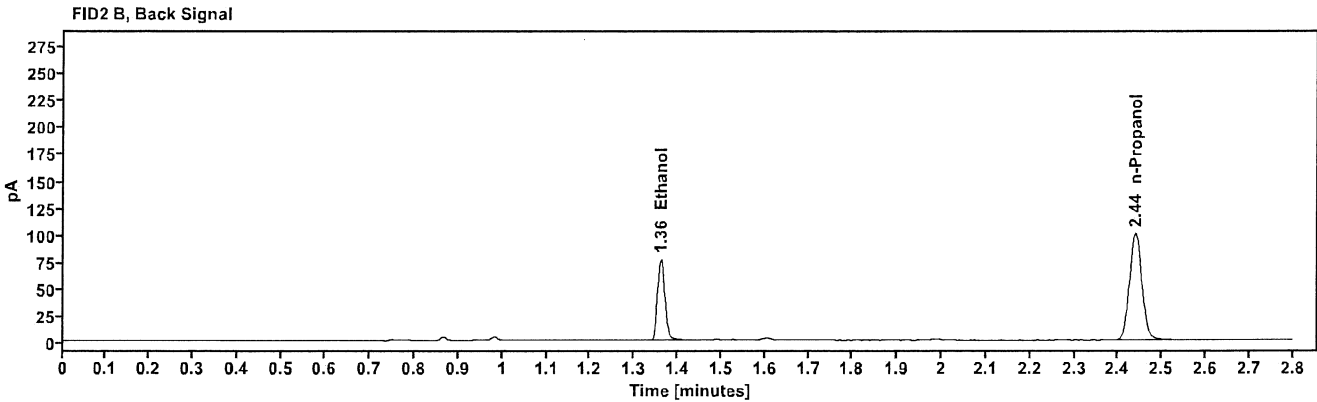
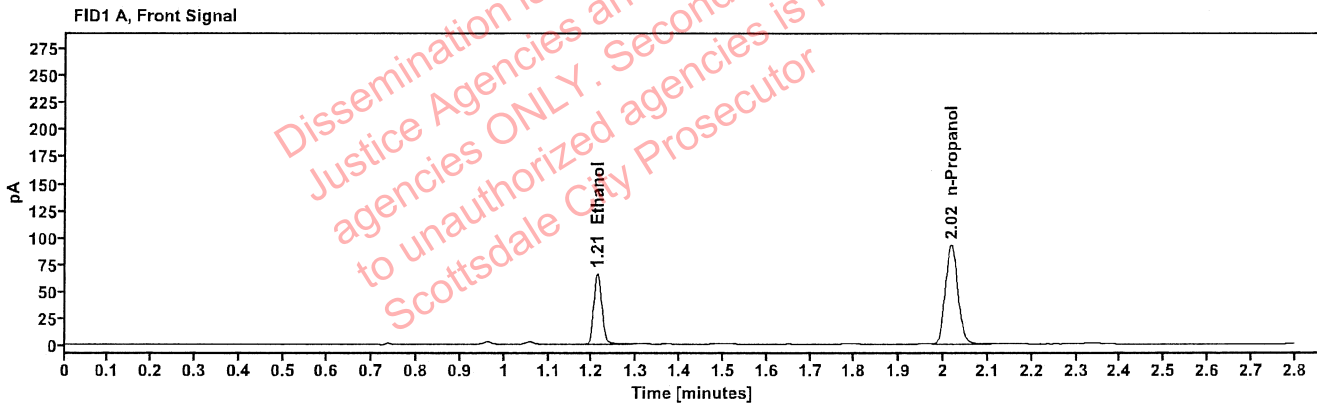


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1307	1.211	84.026
n-Propanol	-----	2.017	184.187

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

Compound	Time (min)	Peak Area
Ethanol	1.360	92.215
n-Propanol	2.439	199.187

[REDACTED]: Abbott, Lori - (05-Mar-2024)

Case: [REDACTED] User: LAbbott 3/5/2024

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	431-01B.W.	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:39:23 PM
Data file:	C:\Chem32\1\Data\04Mar24\30.D	Analyst:	Abbott

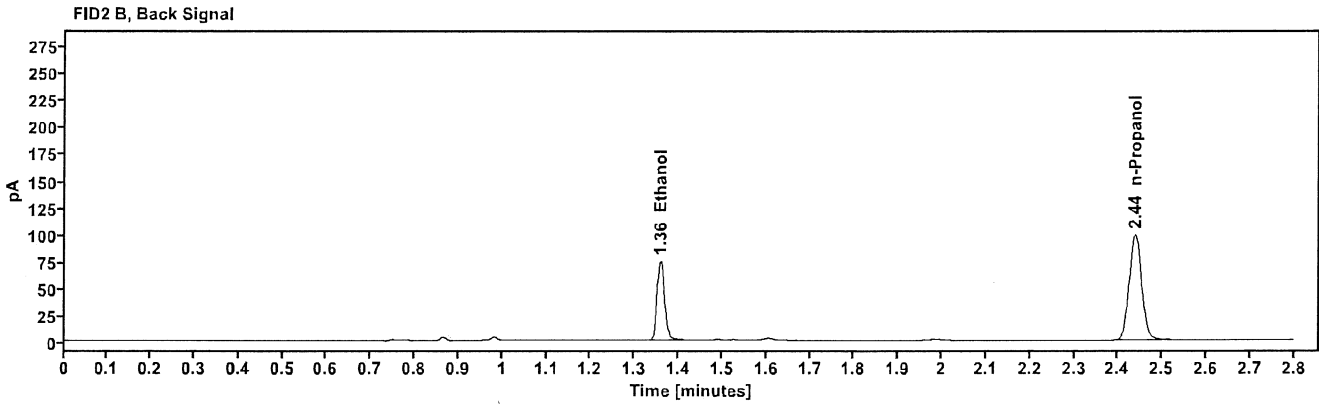
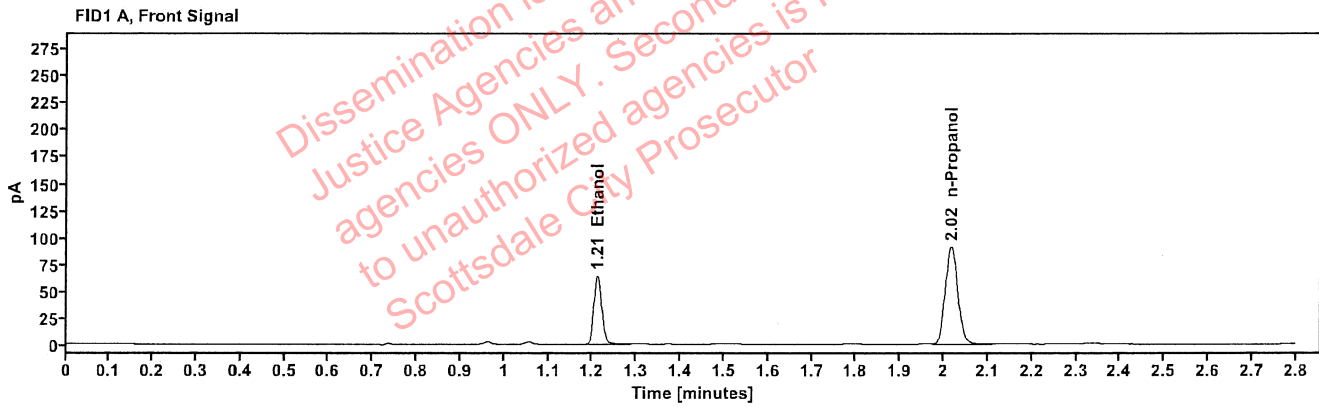


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1285	1.211	81.335
n-Propanol	-----	2.017	181.411

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

Compound	Time (min)	Peak Area
Ethanol	1.358	89.399
n-Propanol	2.438	196.149

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2401982-3	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:47:38 PM
Data file:	C:\Chem32\1\Data\04Mar24\32.D	Analyst:	Abbott

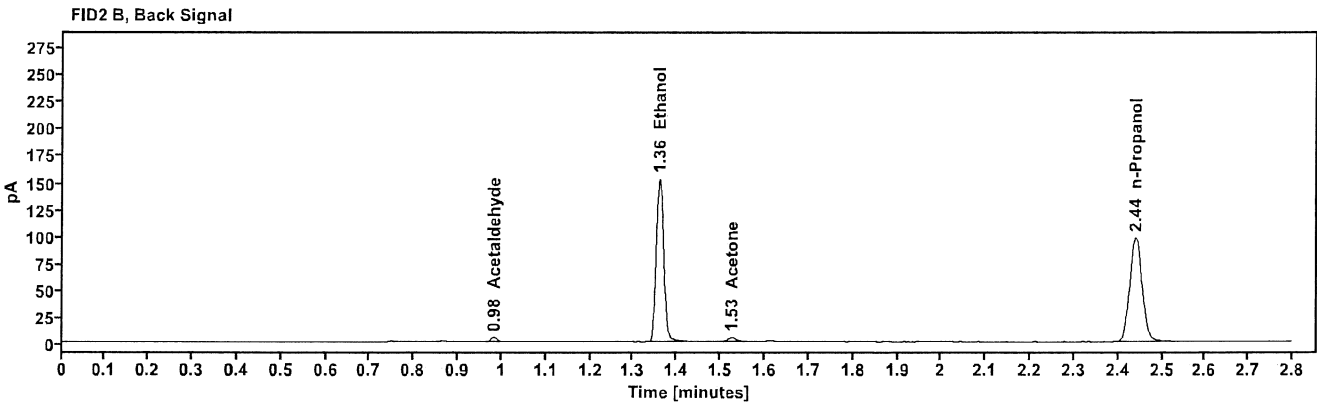
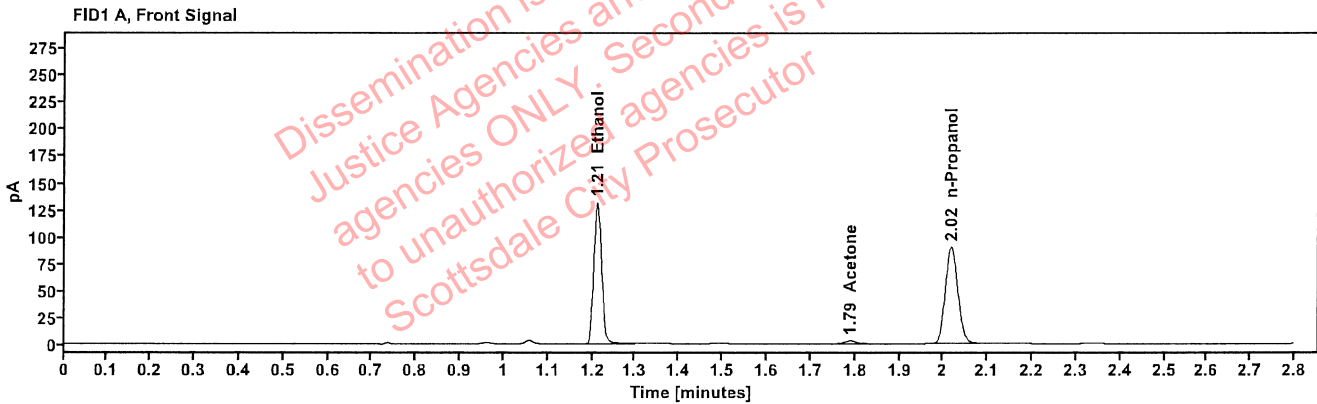


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2653	1.211	166.735
Acetone	-----	1.789	4.619
n-Propanol	-----	2.018	179.049

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	3.912
Ethanol	1.360	182.950
Acetone	1.526	5.006
n-Propanol	2.440	194.138

[REDACTED]: Abbott, Lori - (05-Mar-2024)

Case: [REDACTED] User: LAbbott 3/5/2024

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2401982-3	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:51:38 PM
Data file:	C:\Chem32\1\Data\04Mar24\33.D	Analyst:	Abbott

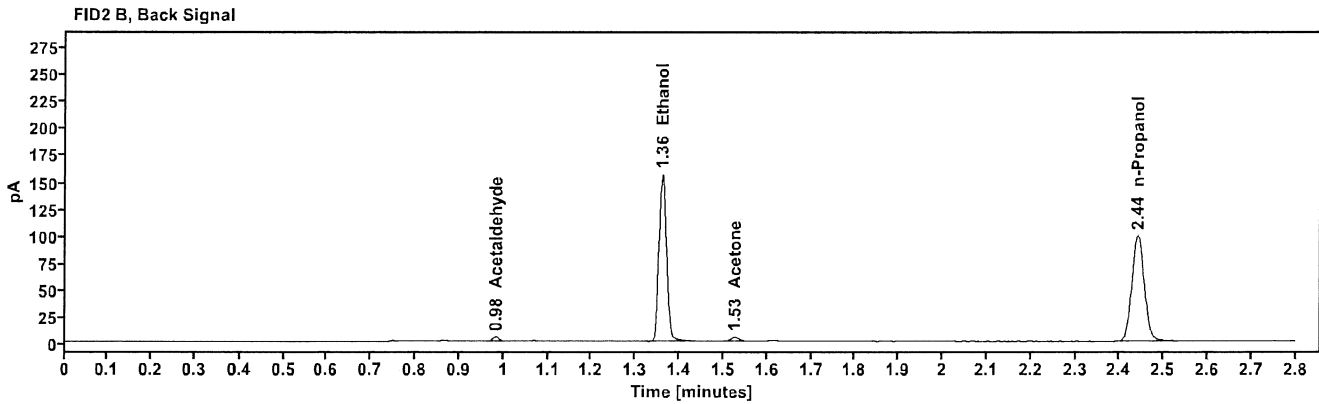
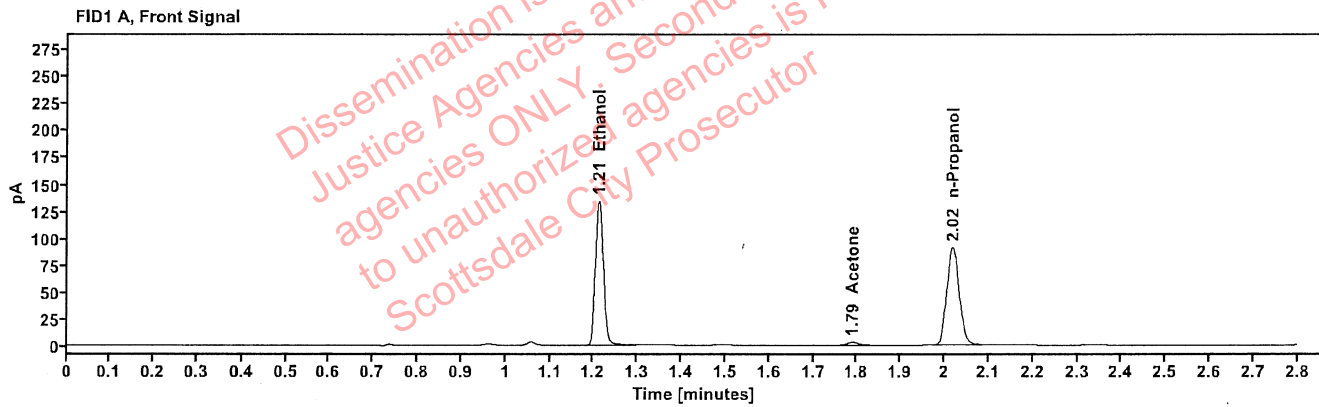


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2684	1.212	170.832
Acetone	-----	1.789	4.673
n-Propanol	-----	2.019	181.303

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	3.936
Ethanol	1.360	187,528
Acetone	1.526	5.082
n-Propanol	2.440	196,492

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404310-1	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:55:39 PM
Data file:	C:\Chem32\1\Data\04Mar24\34.D	Analyst:	Abbott

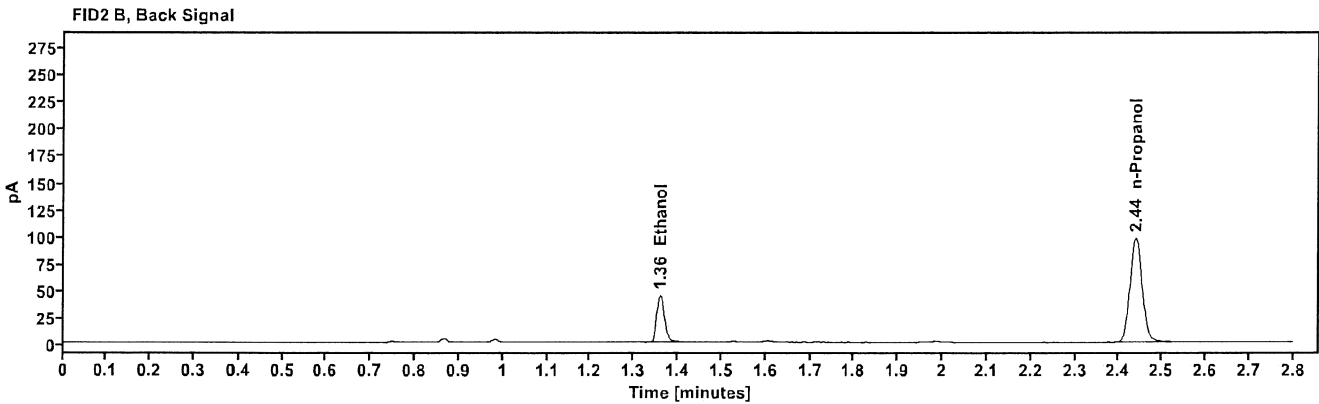
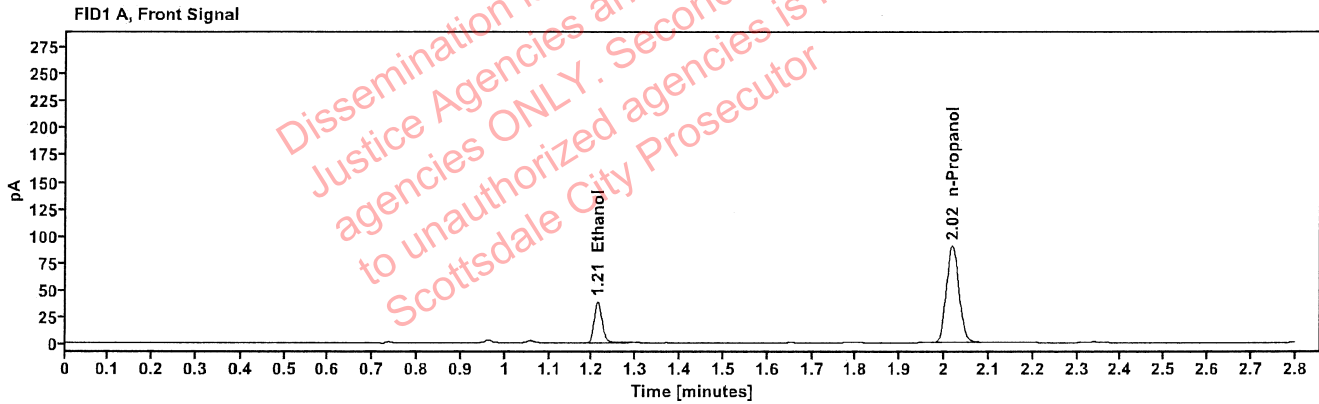


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0790	1.212	48.773
n-Propanol	-----	2.018	178.369

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

Compound	Time (min)	Peak Area
Ethanol	1.359	53.471
n-Propanol	2.439	193.702

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404310-1	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 5:59:38 PM
Data file:	C:\Chem32\1\Data\04Mar24\35.D	Analyst:	Abbott

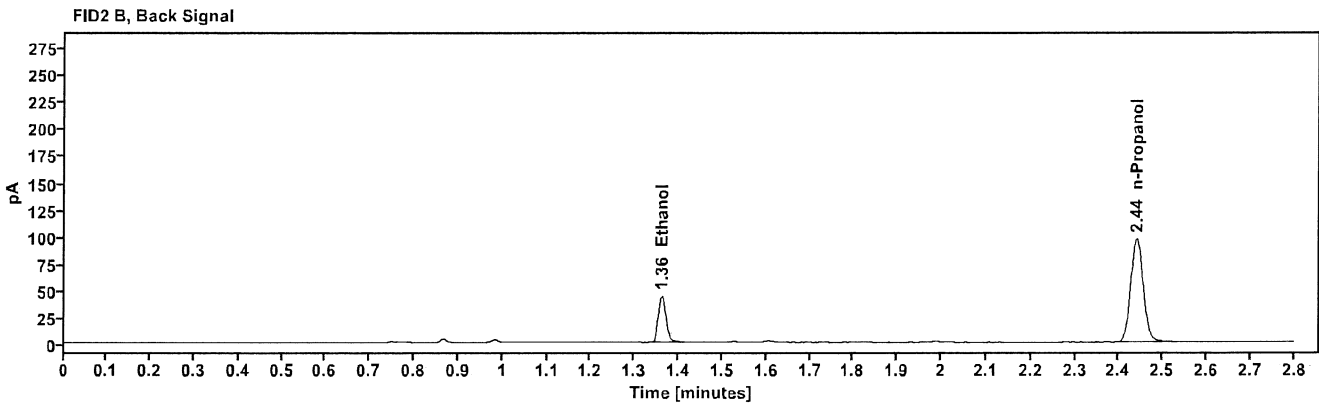
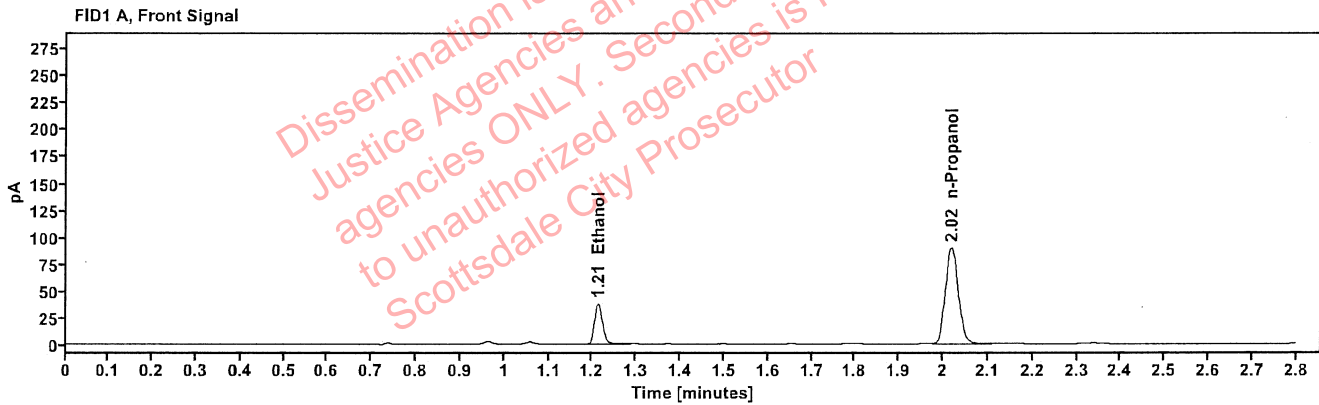


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0785	1.213	48.545
n-Propanol	-----	2.019	178.766

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

Compound	Time (min)	Peak Area
Ethanol	1.361	53.189
n-Propanol	2.440	193.200

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2403897-1	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:03:38 PM
Data file:	C:\Chem32\1\Data\04Mar24\36.D	Analyst:	Abbott

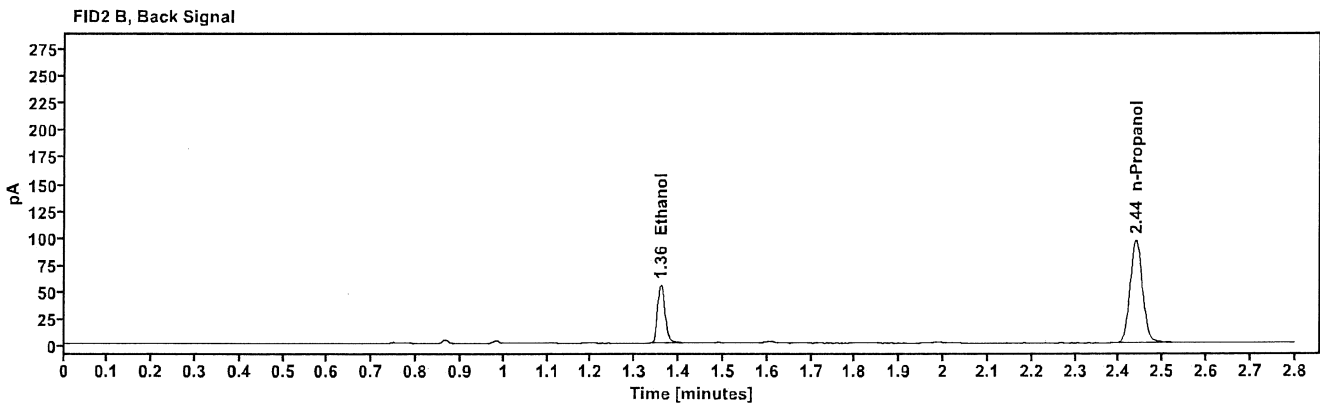
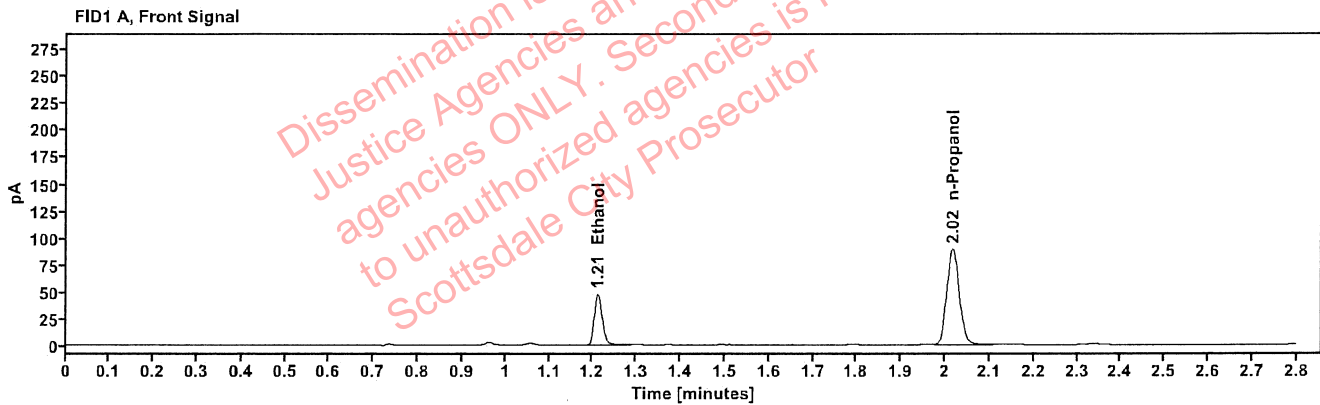


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0977	1.211	60.020
n-Propanol	-----	2.017	176.794

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

Compound	Time (min)	Peak Area
Ethanol	1.359	65.835
n-Propanol	2.438	191.044

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2403897-1	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:07:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\37.D	Analyst:	Abbott

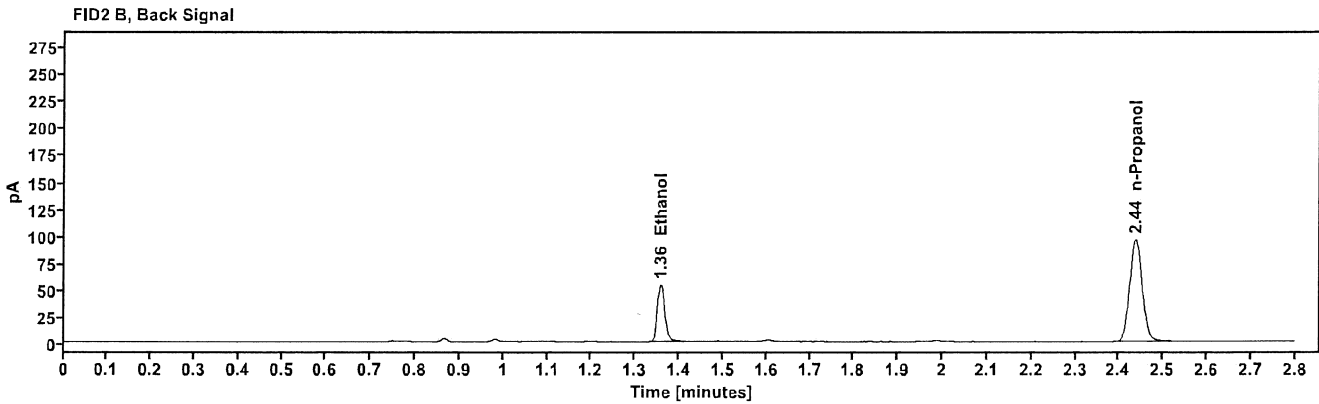
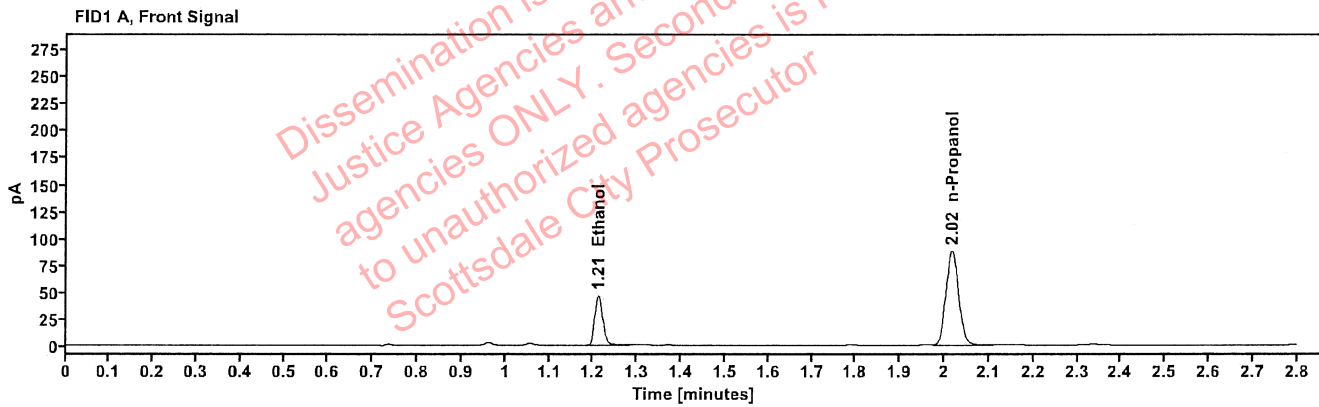


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0964	1.211	58.884
n-Propanol	-----	2.017	175.794

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

Compound	Time (min)	Peak Area
Ethanol	1.357	64.532
n-Propanol	2.437	189.961

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2403331-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:11:54 PM
Data file:	C:\Chem32\1\Data\04Mar24\38.D	Analyst:	Abbott

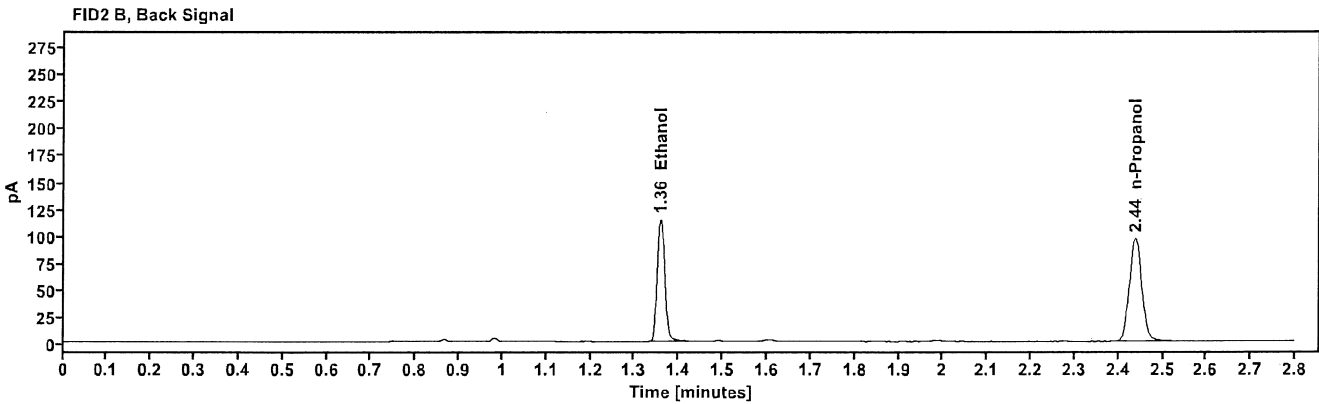
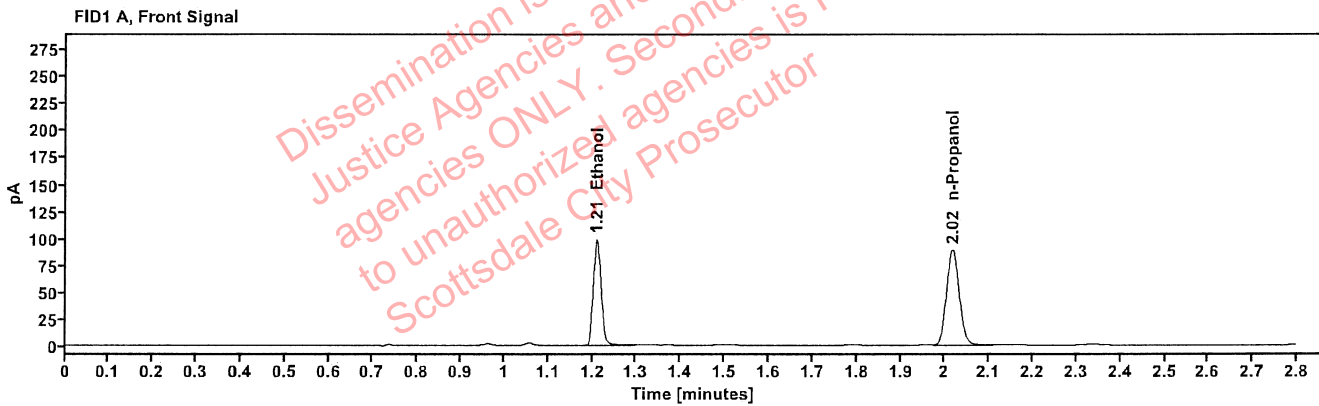


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2012	1.210	124.875
n-Propanol	-----	2.017	177.173

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

Compound	Time (min)	Peak Area
Ethanol	1.358	137.234
n-Propanol	2.438	191.230

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2403331-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:15:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\39.D	Analyst:	Abbott

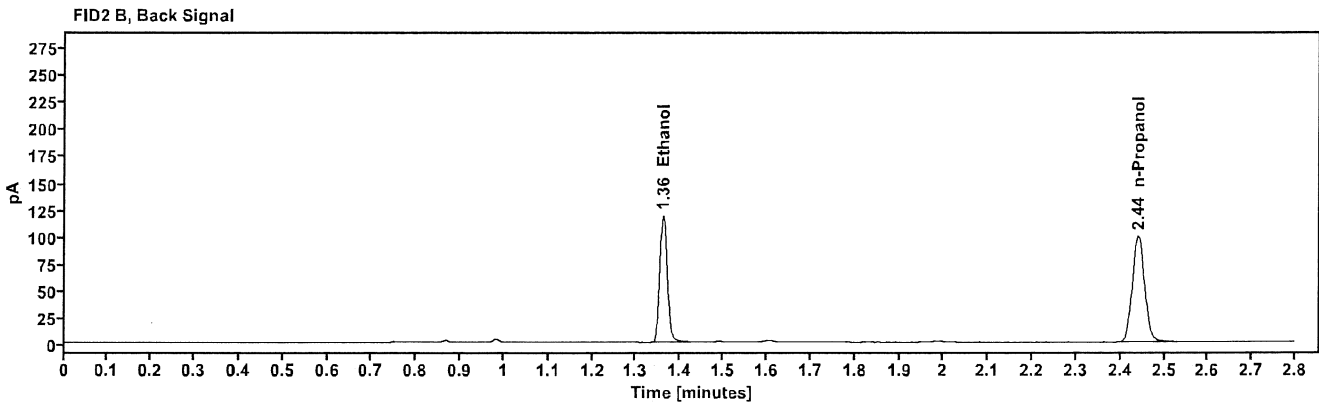
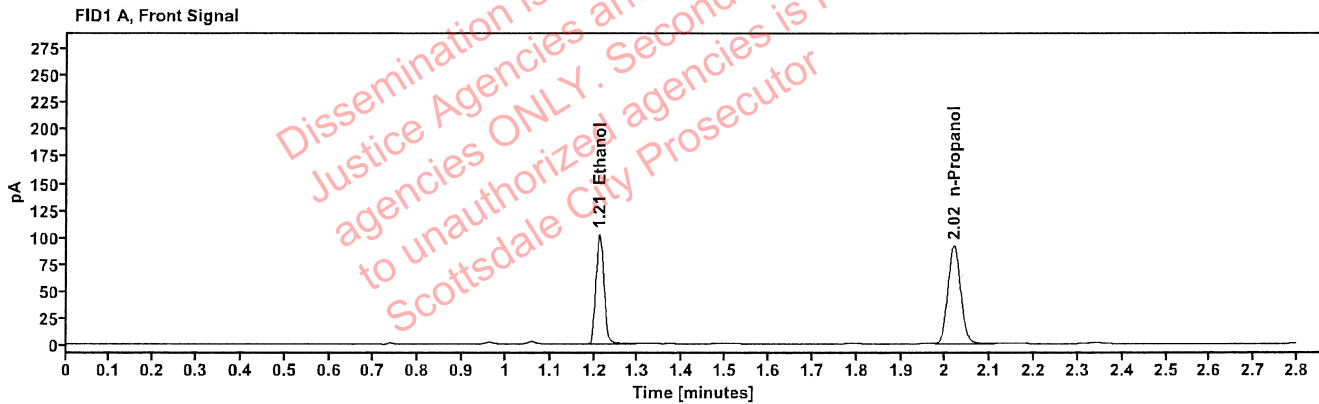


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2029	1.212	129.895
n-Propanol	-----	2.018	182.672

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

Compound	Time (min)	Peak Area
Ethanol	1.360	142.756
n-Propanol	2.440	197.039

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404642-1	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:19:54 PM
Data file:	C:\Chem32\1\Data\04Mar24\40.D	Analyst:	Abbott

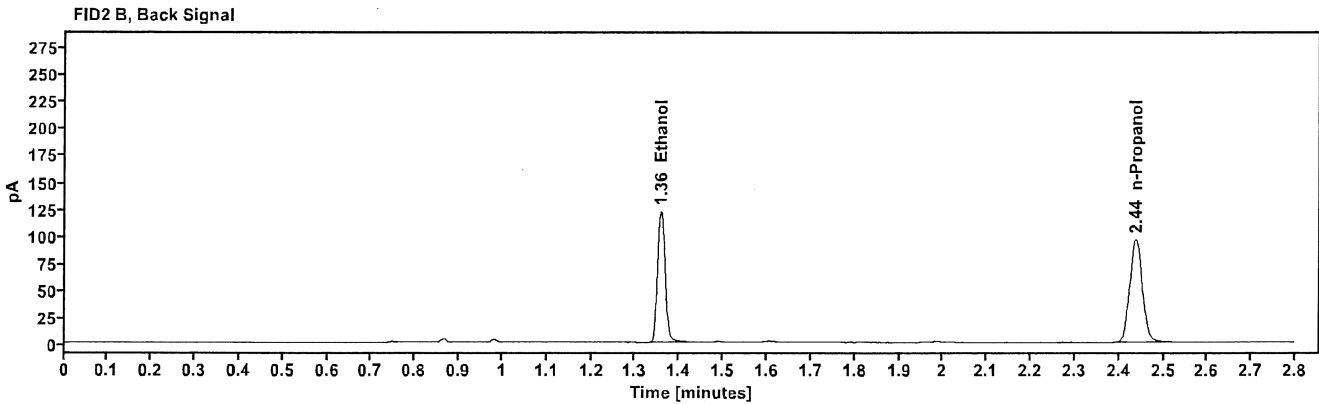
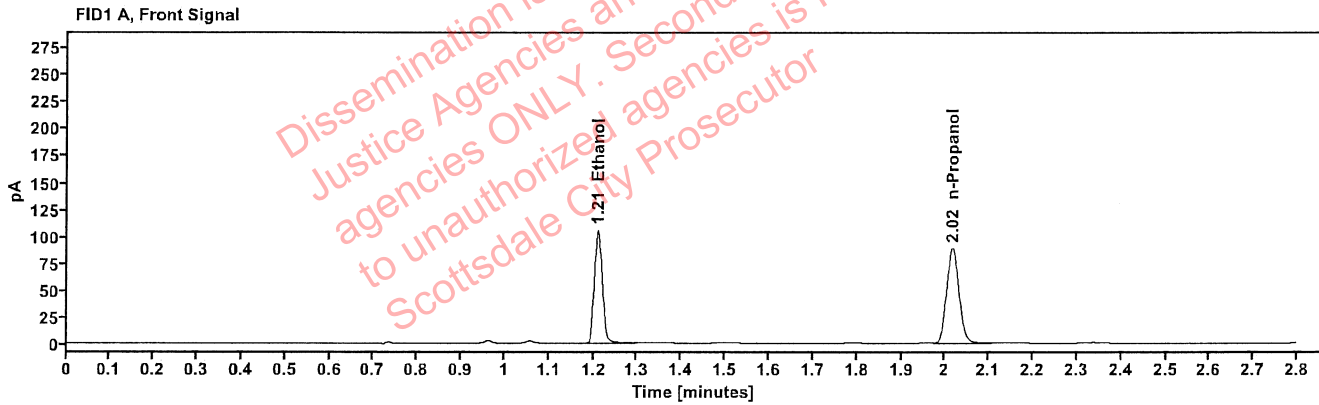


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2152	1.210	133.190
n-Propanol	-----	2.017	176.586

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

Compound	Time (min)	Peak Area
Ethanol	1.357	146.408
n-Propanol	2.438	190.437

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404642-1	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/4/2024 6:23:53 PM
Data file:	C:\Chem32\1\Data\04Mar24\41.D	Analyst:	Abbott

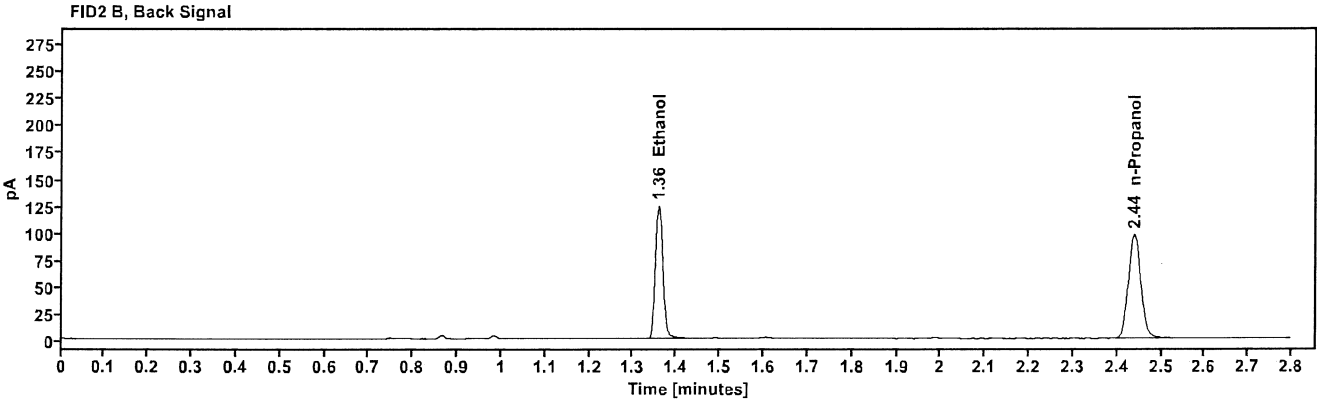
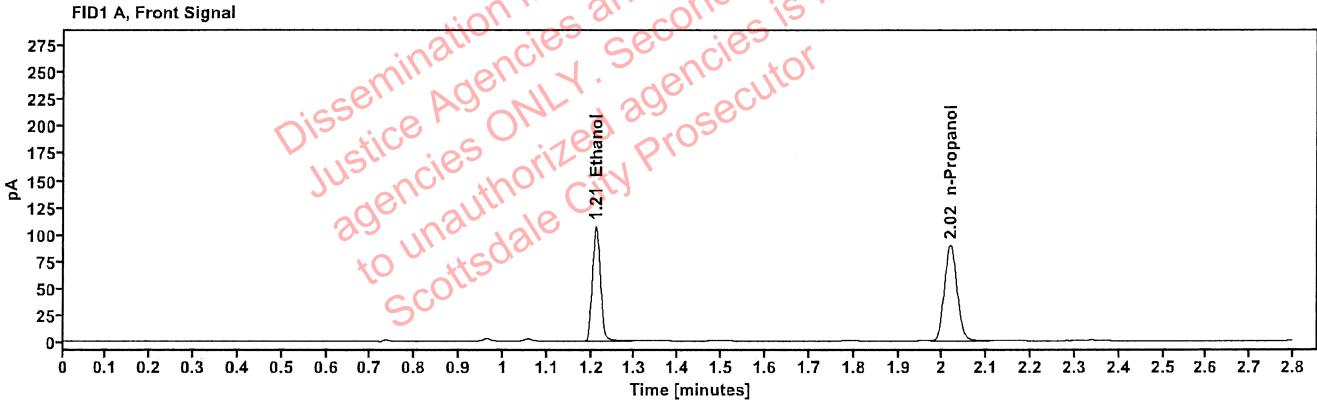


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2171	1.211	135.738
n-Propanol	-----	2.018	178.374

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

Compound	Time (min)	Peak Area
Ethanol	1.359	149.201
n-Propanol	2.439	192.743