

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 04/25/2023 SEQUENCE NAME 25Apr23

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN10051909 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN05311902 0.99994
 Vial 3 0.20 calibrator Lot FN02052101
 Vial 4 0.40 calibrator Lot FN03052102

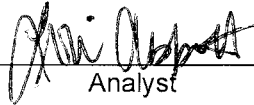

CALIBRATION VERIFICATION AND RESOLUTION TEST

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	0.400 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/10
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.042 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/10
45	Blank	Not detected	Not detected	SPD lab 031623AQ

SUBJECT SAMPLES

Subjects in the sequence 14 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected. This batch also includes the verification of one reference standard.

Run valid Run invalid  Analyst
 Run valid Run invalid  Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

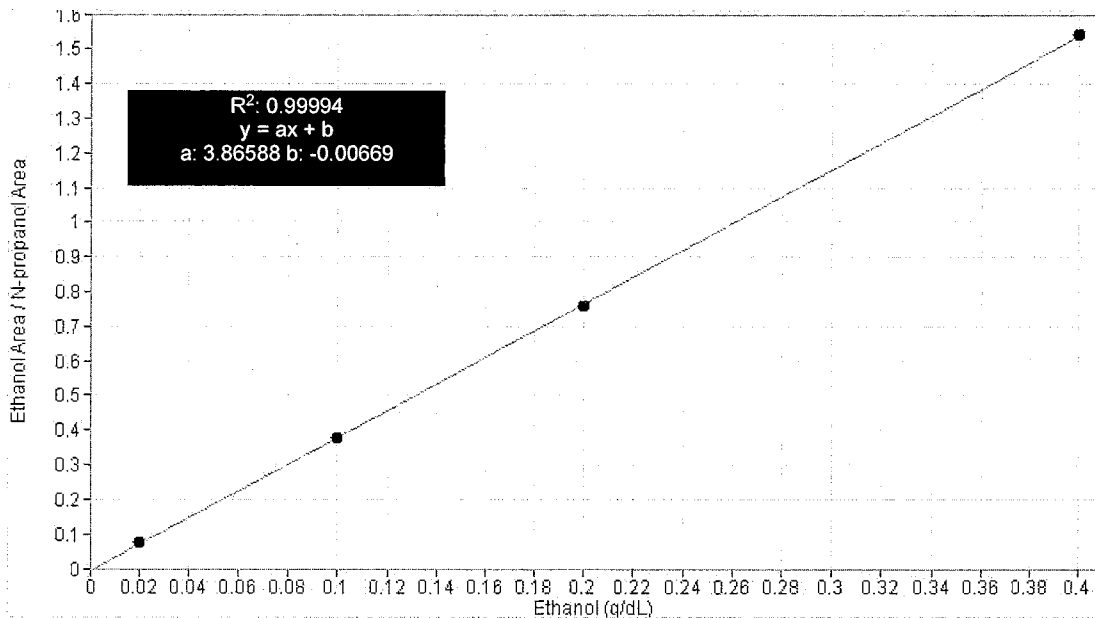
SEQUENCE NAME: 25Apr23

ANALYST: Abbott *Abbott*

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	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/10	9	0.204	0.199	2.51	0.005
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.400 30012020-A	42	0.400	0.400	0.00	0.000
0.040 14082019-B	43	0.042	0.040	5.00	0.002
0.199 4110320133/10	44	0.202	0.199	1.51	0.003
blank 031623AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.884	159.087	0.075
0.100	58.626	154.693	0.379
0.200	118.076	155.343	0.760
0.400	245.839	159.338	1.543

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1	
Description: 0.020 calibrator	Sequence: 25Apr23	
Method: ethanol quant.M	Injection date: 4/25/2023 2:59:55 PM	
Instrument: US14173023 CN14160045	Analyst: Abbott	
Data file: C:\Chem32\1\Data\25Apr23\1.D		

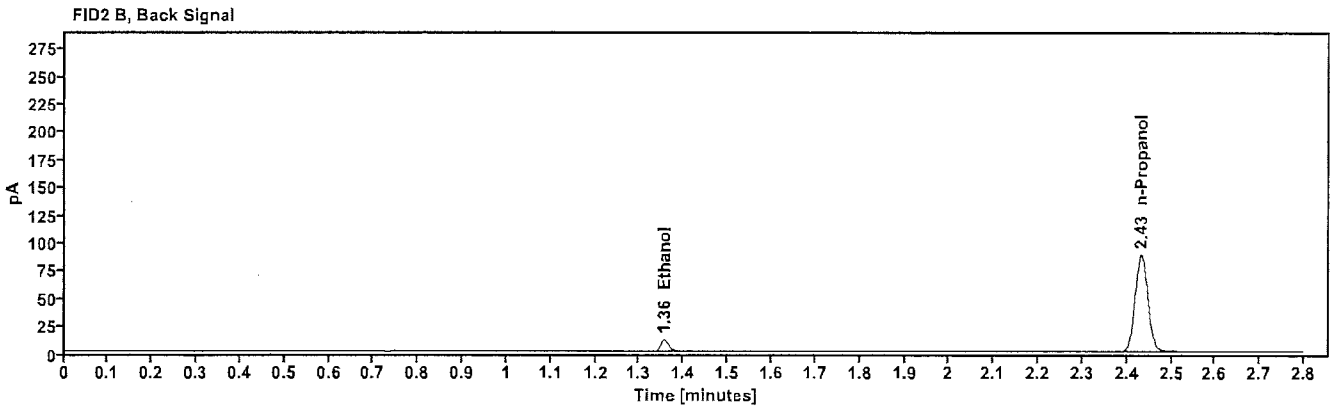
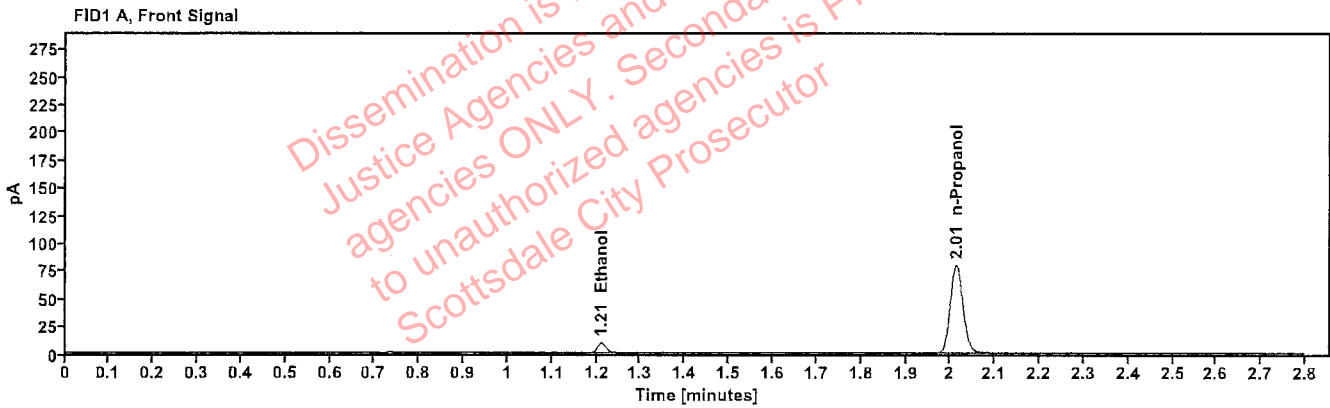


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	11.884
n-Propanol	2.014	159.087

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

Compound	Time (min)	Peak Area
Ethanol	1.356	12.916
n-Propanol	2.432	173.578

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05311902	Vial: 2
Description: 0.100 calibrator	Sequence: 25Apr23
Method: ethanol quant.M	Injection date: 4/25/2023 3:03:55 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\11\Data\25Apr23\2.D	<i>Abbott</i>

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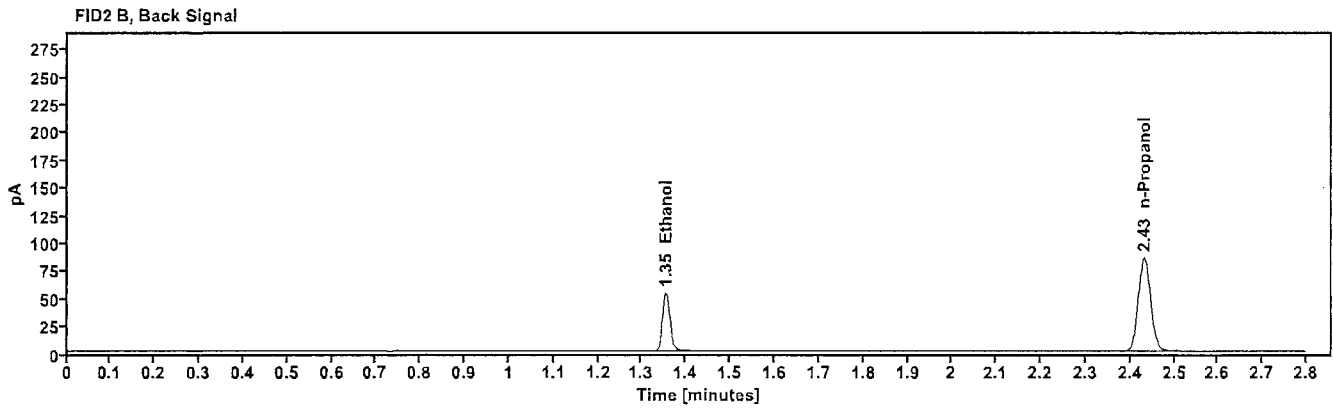
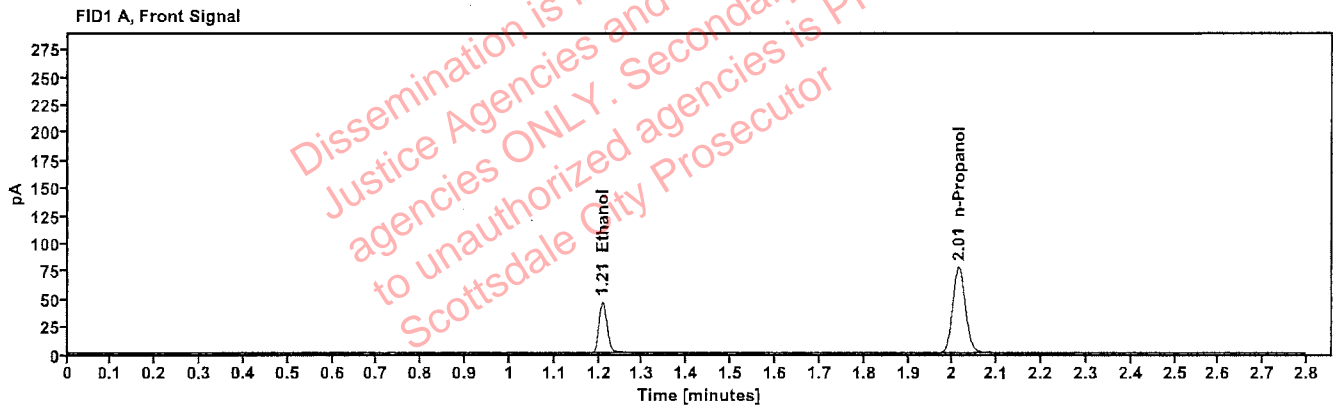


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	58.626
n-Propanol	2.014	154.693

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

Compound	Time (min)	Peak Area
Ethanol	1.354	64.095
n-Propanol	2.432	168.737

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02052101	Vial: 3
Description: 0.200 calibrator	Sequence: 25Apr23
Method: ethanol quant.M	Injection date: 4/25/2023 3:07:54 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\25Apr23\3.D	

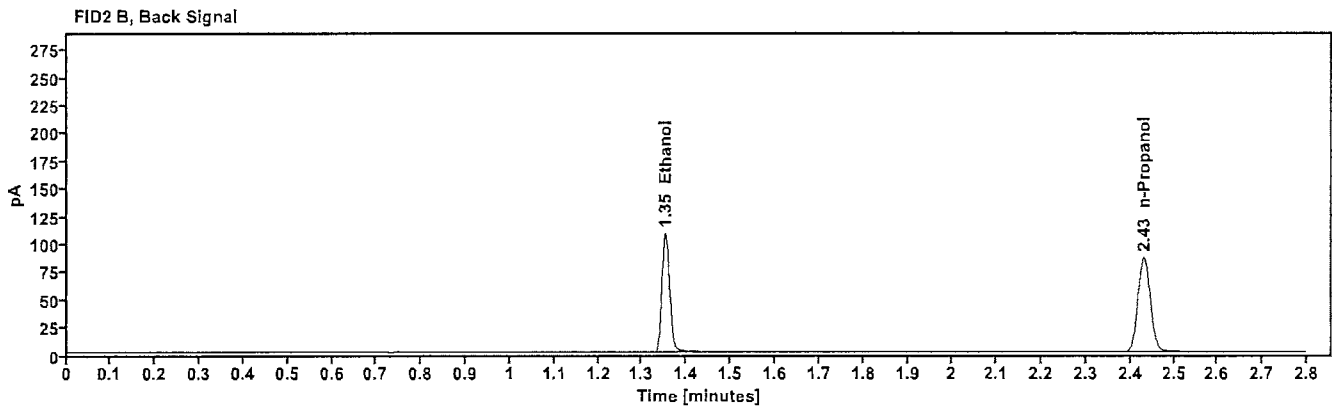
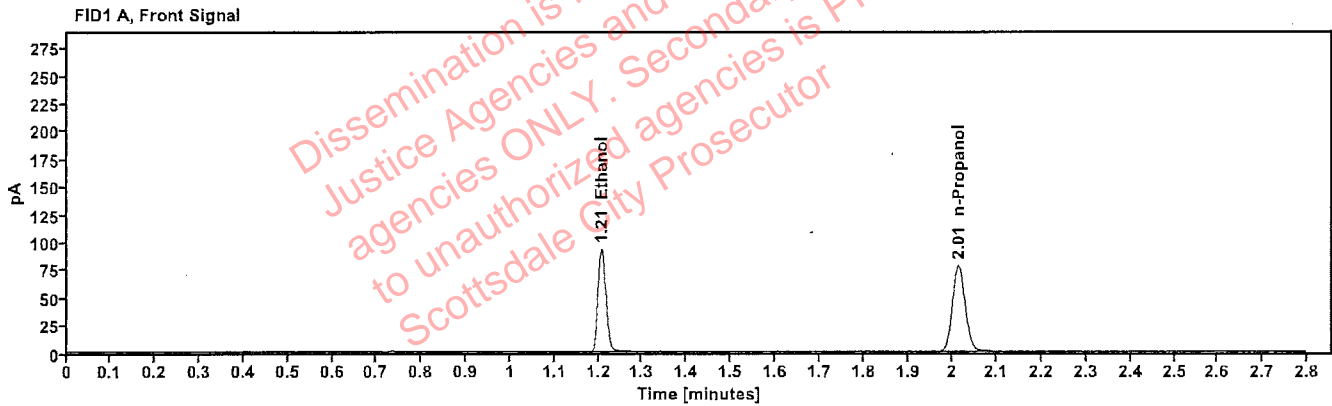


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	118.076
n-Propanol	2.013	155.343

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

Compound	Time (min)	Peak Area
Ethanol	1.352	129.626
n-Propanol	2.431	169.414

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 25Apr23
Method: ethanol quant.M	Injection date: 4/25/2023 3:11:54 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\25Apr23\4.D	

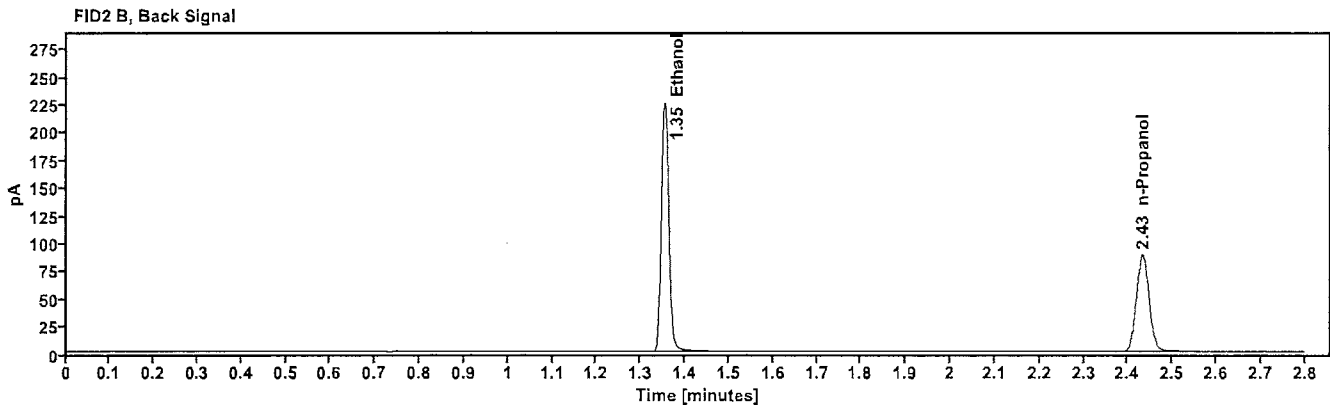
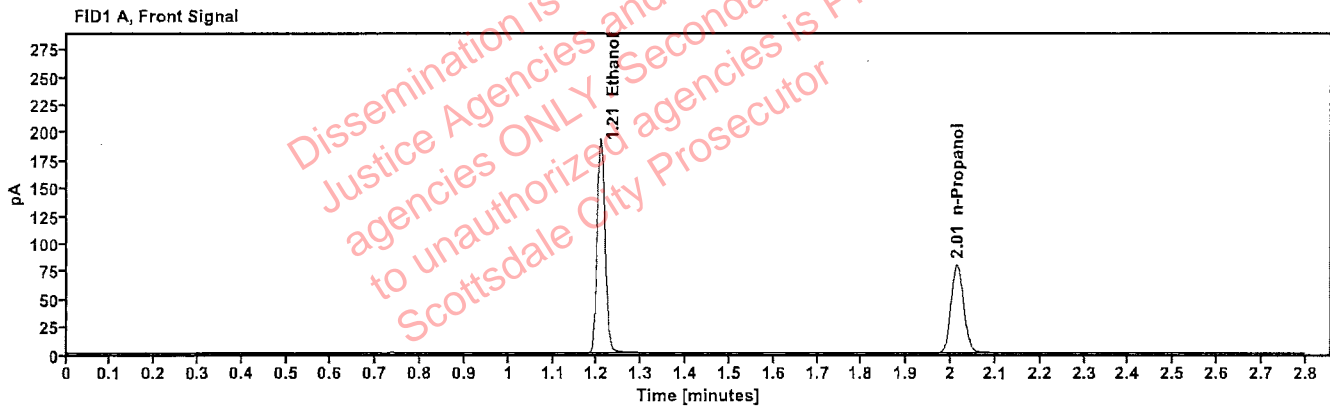


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	245.839
n-Propanol	2.014	159.338

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

Compound	Time (min)	Peak Area
Ethanol	1.354	270.945
n-Propanol	2.432	173.848

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 3:15:54 PM
Data file: C:\Chem32\1\Data\25Apr23\5.D	Analyst: Abbott

DA

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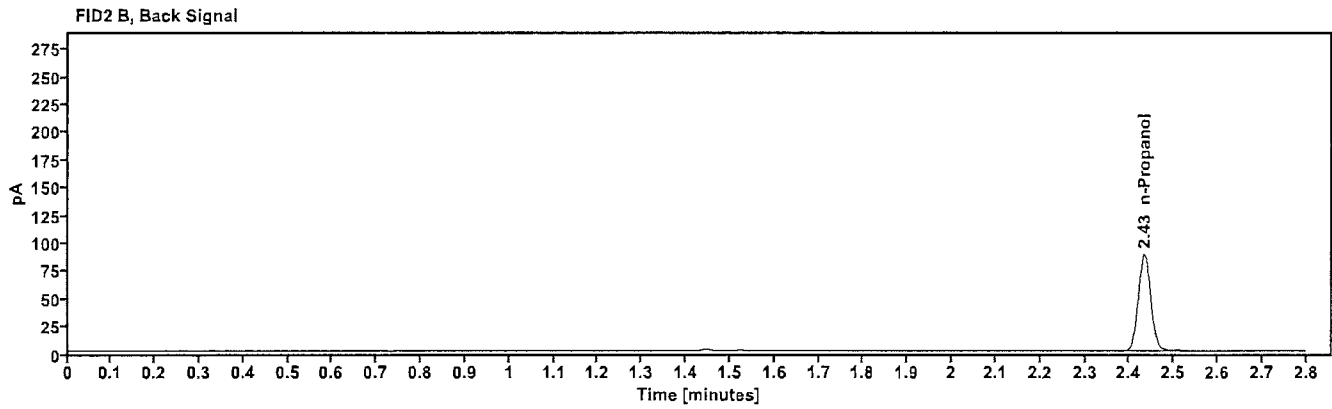
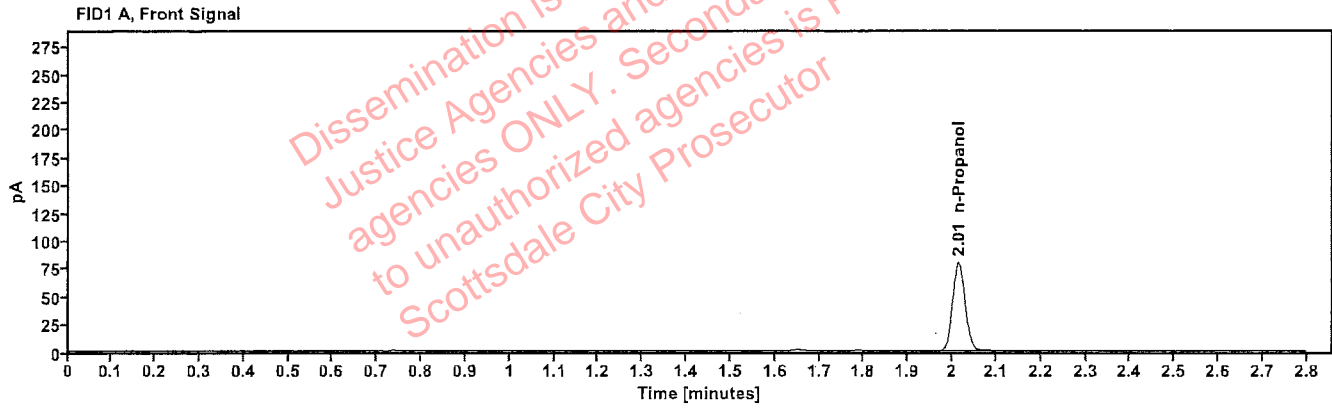


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	159.378

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

Compound	Time (min)	Peak Area
n-Propanol	2.433	173.878

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 3:19:54 PM
Data file: C:\Chem32\1\Data\25Apr23\6.D	Analyst: Abbott

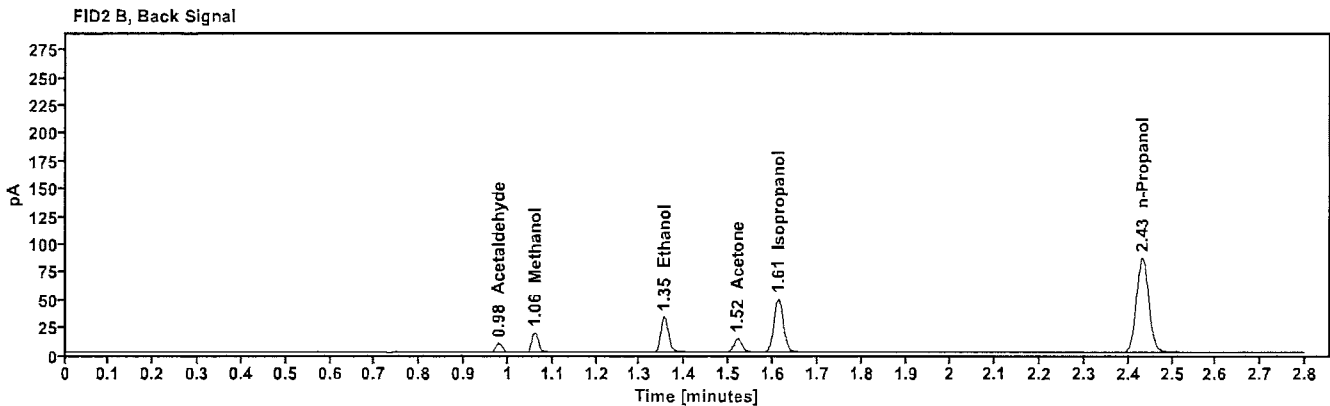
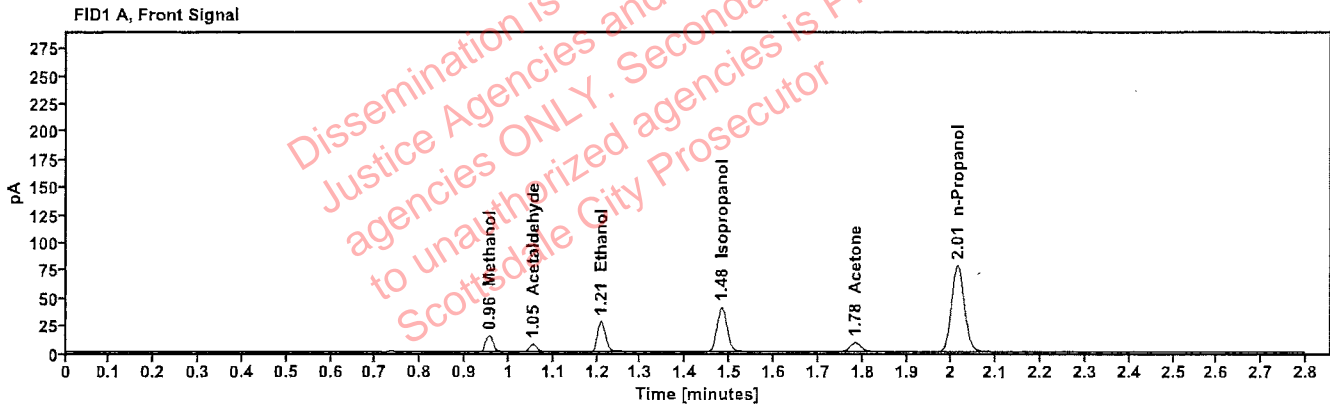


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	16.590
Acetaldehyde	-----	1.054	7.174
>Ethanol	0.0603	1.209	35.292
Isopropanol	-----	1.482	64.406
Acetone	-----	1.783	14.482
n-Propanol	-----	2.013	155.953

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	8.095
Methanol	1.060	18.355
Ethanol	1.354	38.594
Acetone	1.520	15.854
Isopropanol	1.612	71.351
n-Propanol	2.432	169.979

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 3:24:09 PM
Data file: C:\Chem32\1\Data\25Apr23\7.D	Analyst: Abbott

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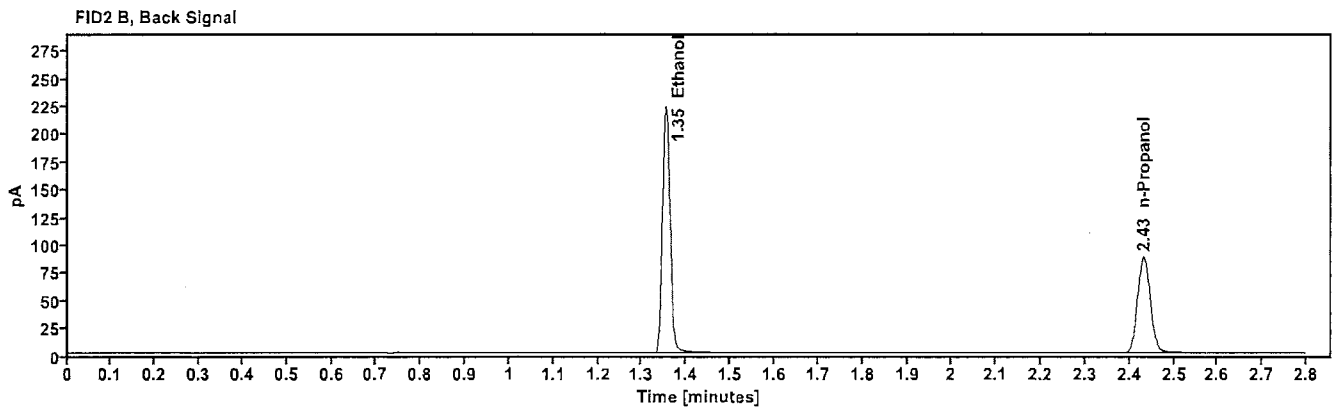
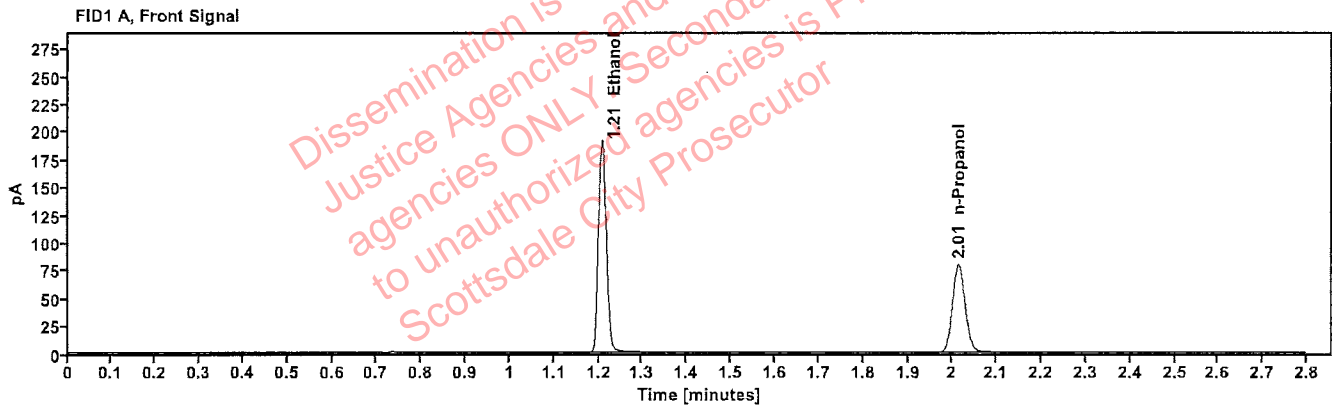


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4003	1.207	243.910
n-Propanol	-----	2.014	158.306

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

Compound	Time (min)	Peak Area
Ethanol	1.354	268.372
n-Propanol	2.432	172.536

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 3:28:09 PM
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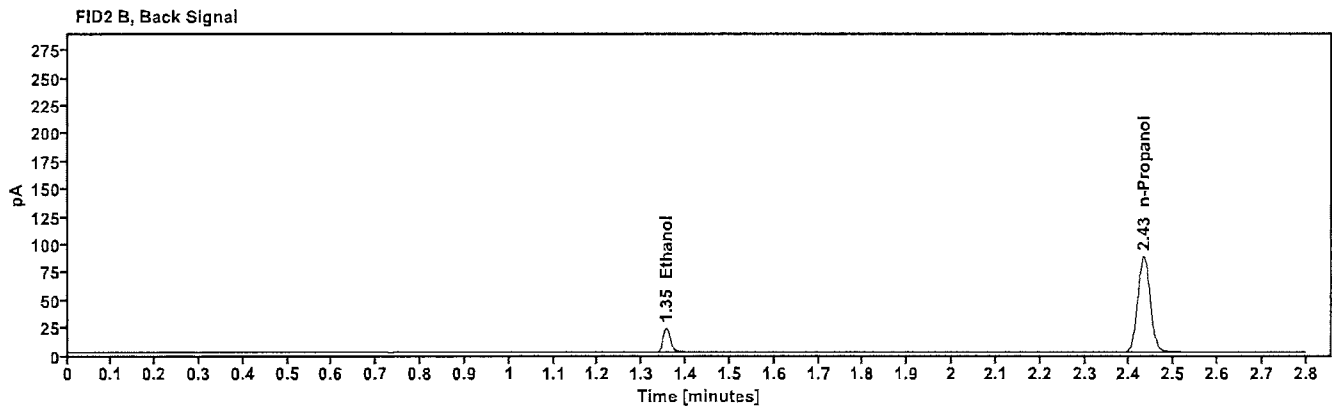
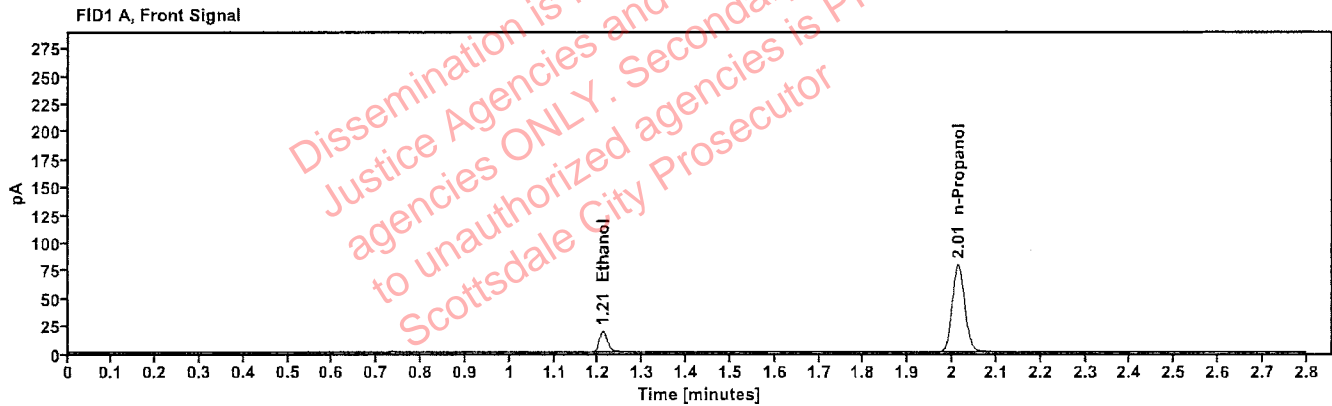


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.209	24.041
n-Propanol	-----	2.013	157.740

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.300
n-Propanol	2.432	172.050

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/10	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 3:32:09 PM
Data file: C:\Chem32\1\Data\25Apr23\9.D	Analyst: Abbott

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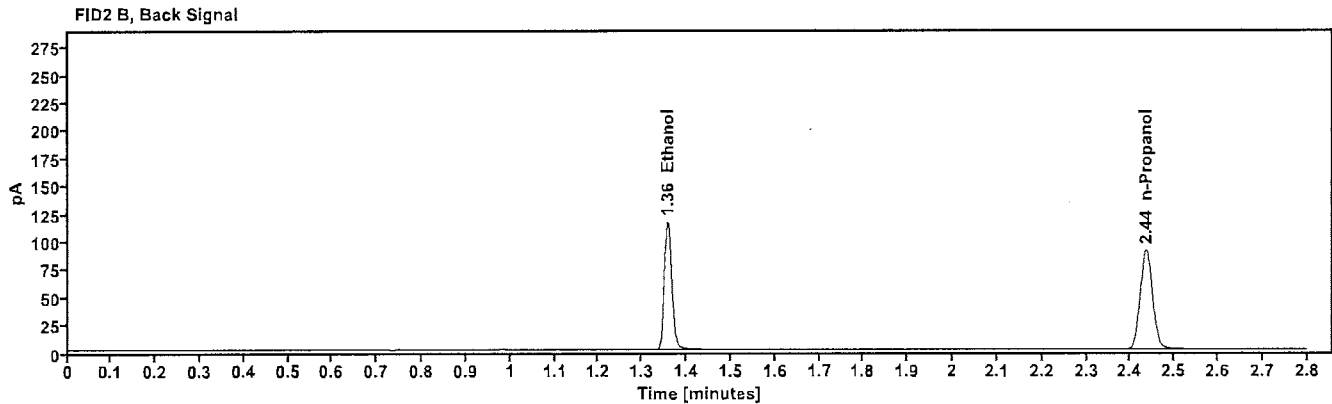
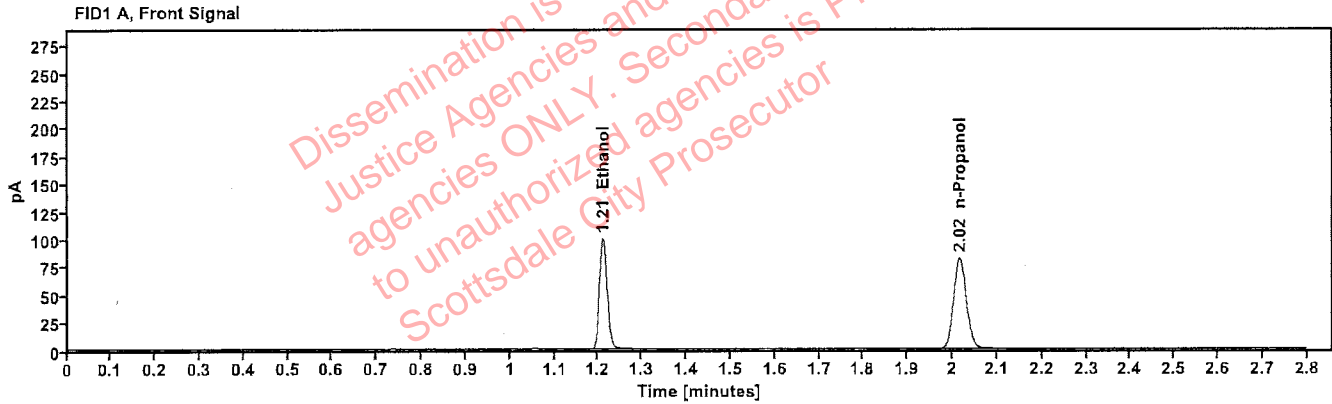


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2042	1.210	127.763
n-Propanol	-----	2.016	163.241

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

Compound	Time (min)	Peak Area
Ethanol	1.358	140.210
n-Propanol	2.436	177.948

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:16:39 PM
Data file:	C:\Chem32\1\Data\25Apr23\20.D	Analyst:	Abbott

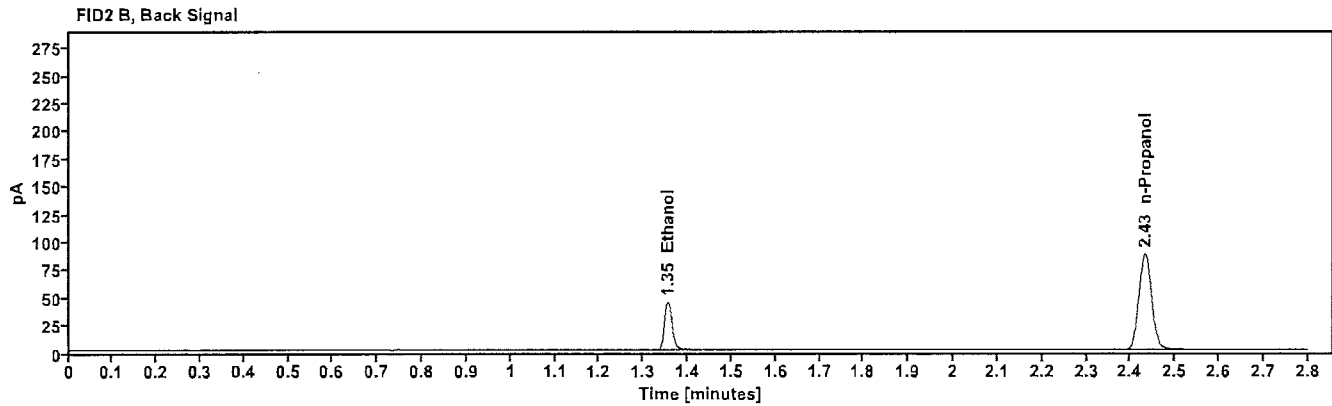
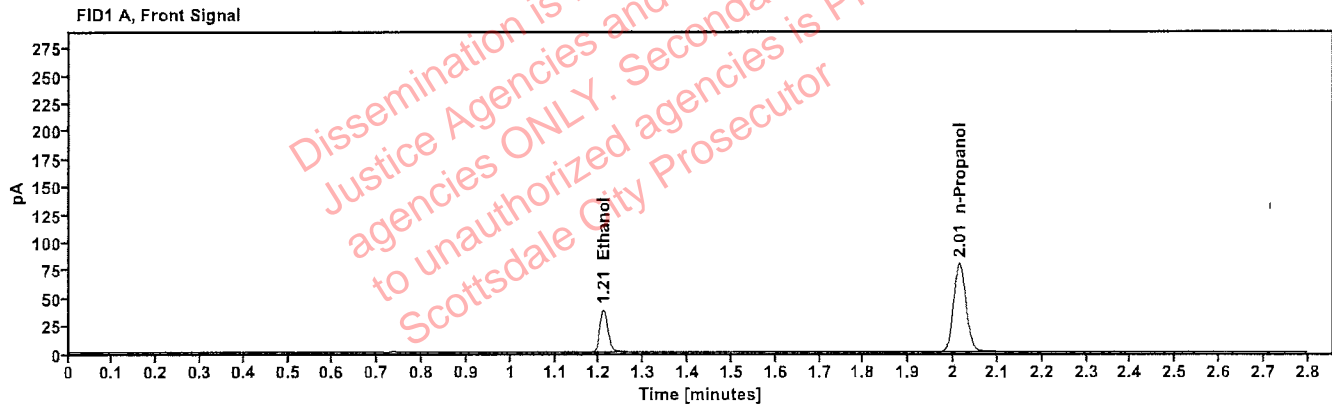


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.209	48.536
n-Propanol	----	2.014	158.961

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.120
n-Propanol	2.432	173.113

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 5:01:09 PM
Data file: C:\Chem32\1\Data\25Apr23\31.D	Analyst: Abbott

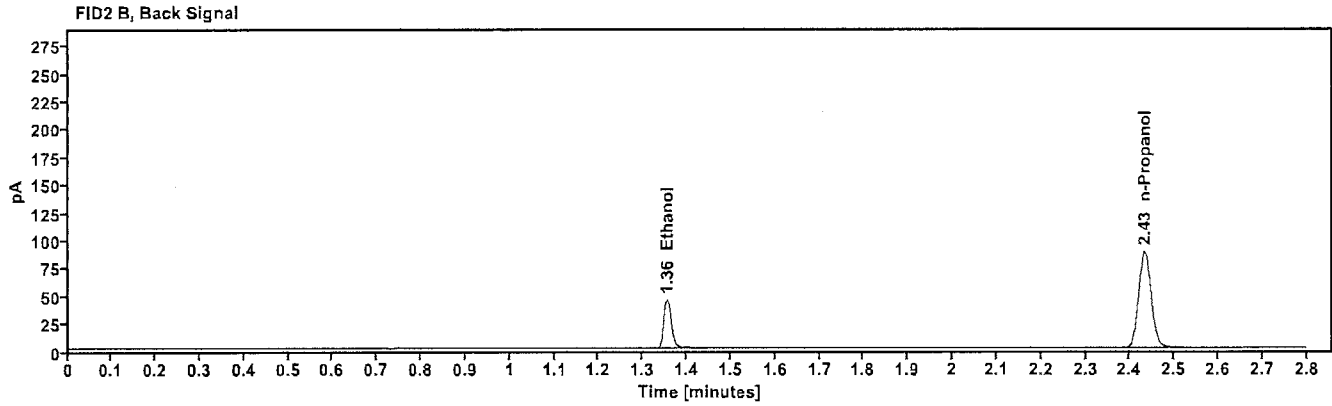
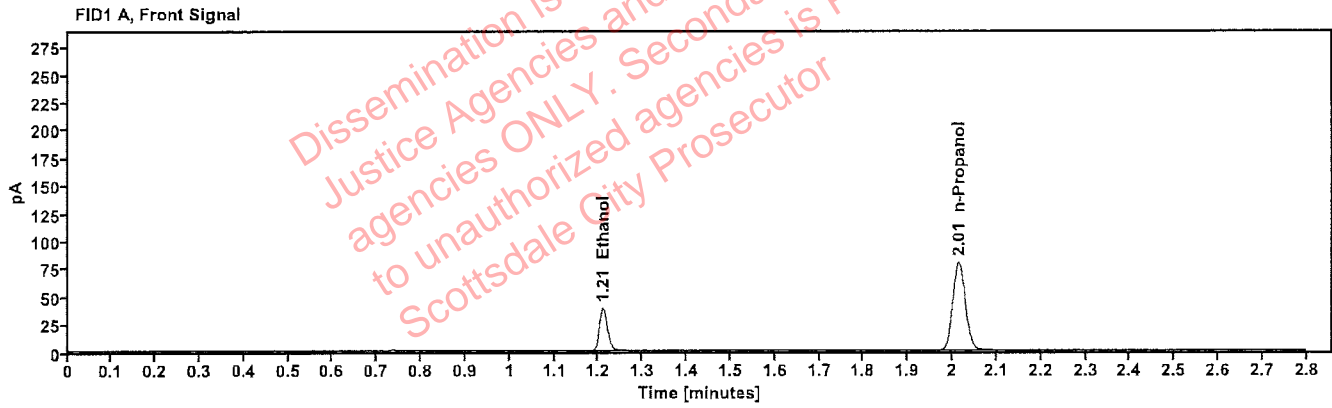


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0813	1.209	48.950
n-Propanol	----	2.014	159.186

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.641
n-Propanol	2.433	173.153

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 5:45:25 PM
Data file: C:\Chem32\1\Data\25Apr23\42.D	Analyst: Abbott

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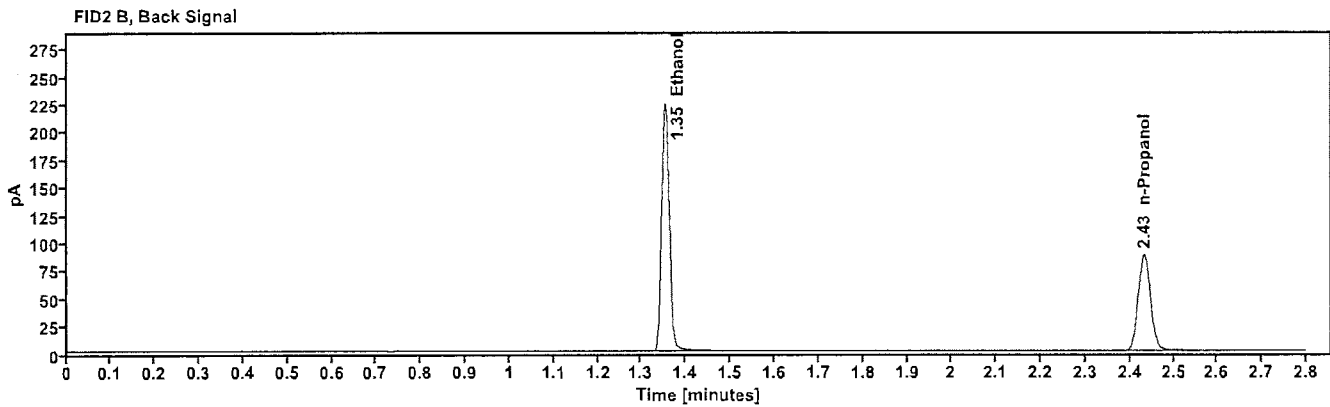
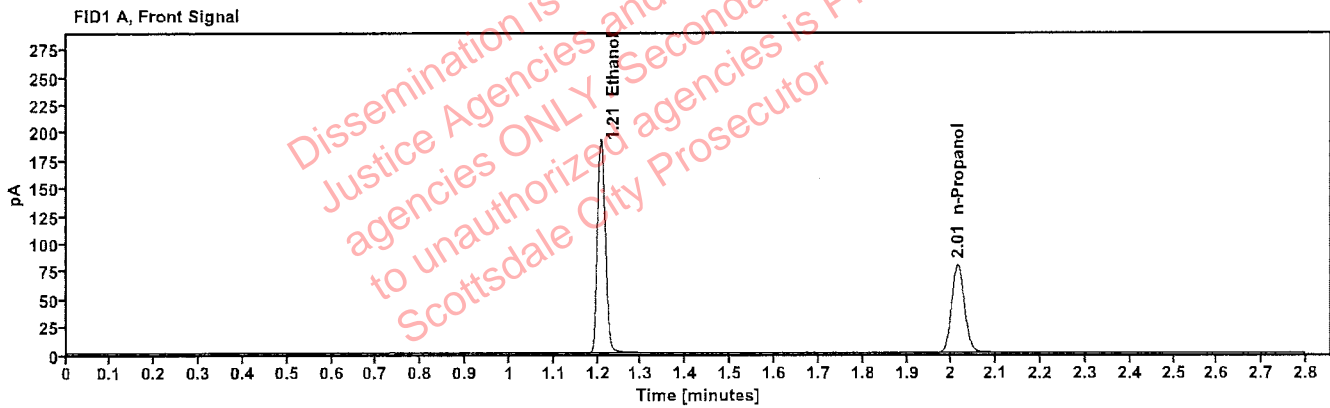


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4005	1.207	244.787
n-Propanol	-----	2.014	158.792

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

Compound	Time (min)	Peak Area
Ethanol	1.354	269.575
n-Propanol	2.432	173.044

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 5:49:40 PM
Data file: C:\Chem32\1\Data\25Apr23\43.D	Analyst: Abbott

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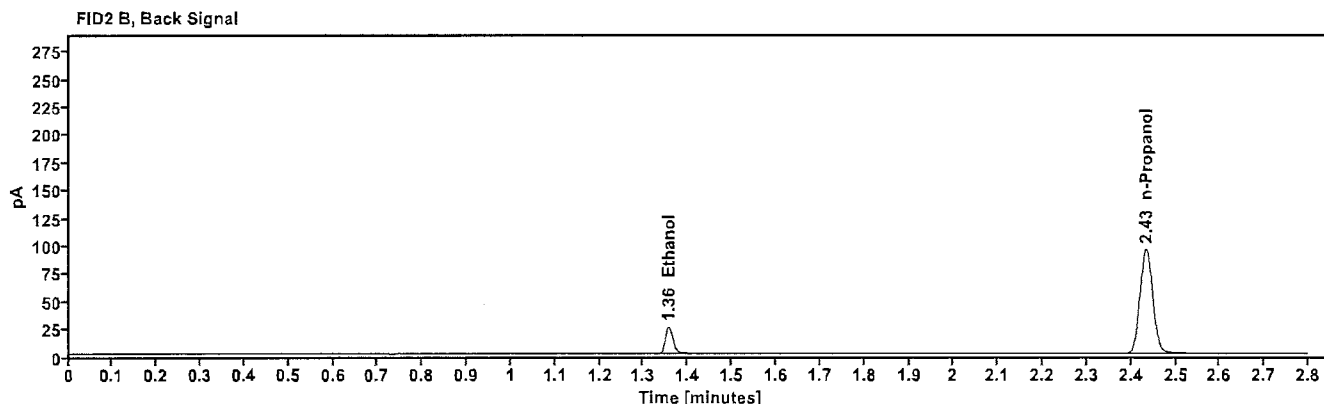
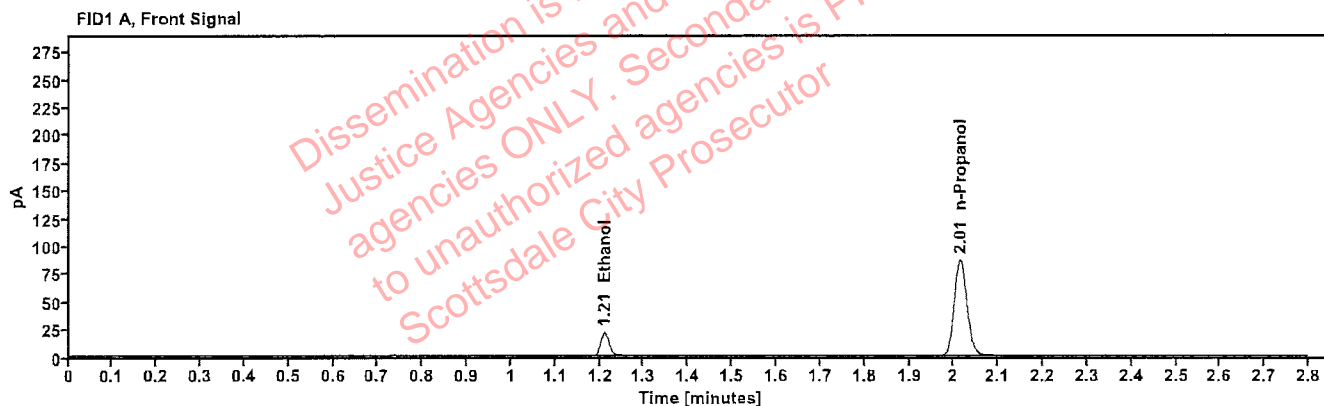


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0425	1.210	27.144
n-Propanol	---	2.014	172.085

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

Compound	Time (min)	Peak Area
Ethanol	1.356	29.550
n-Propanol	2.433	187.547

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/10	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 5:53:40 PM
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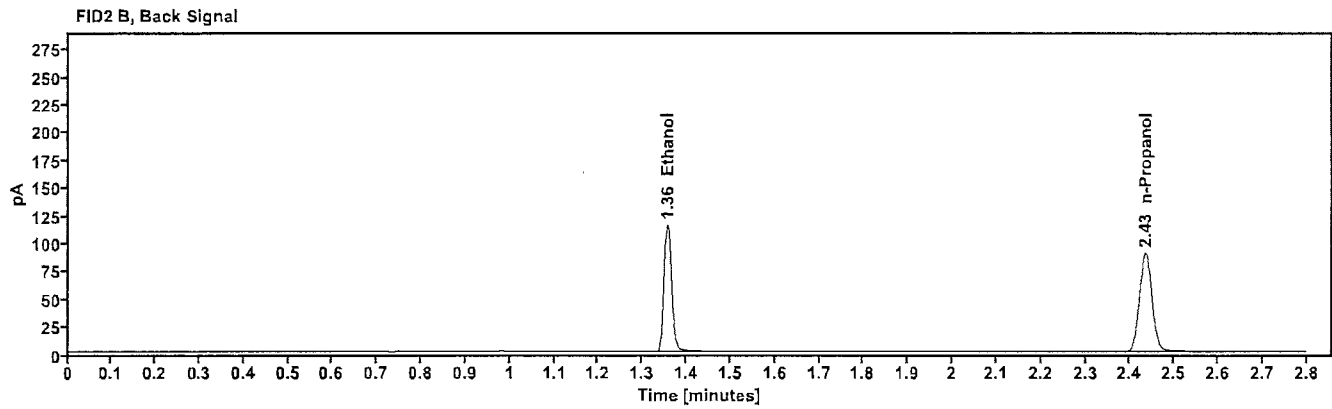
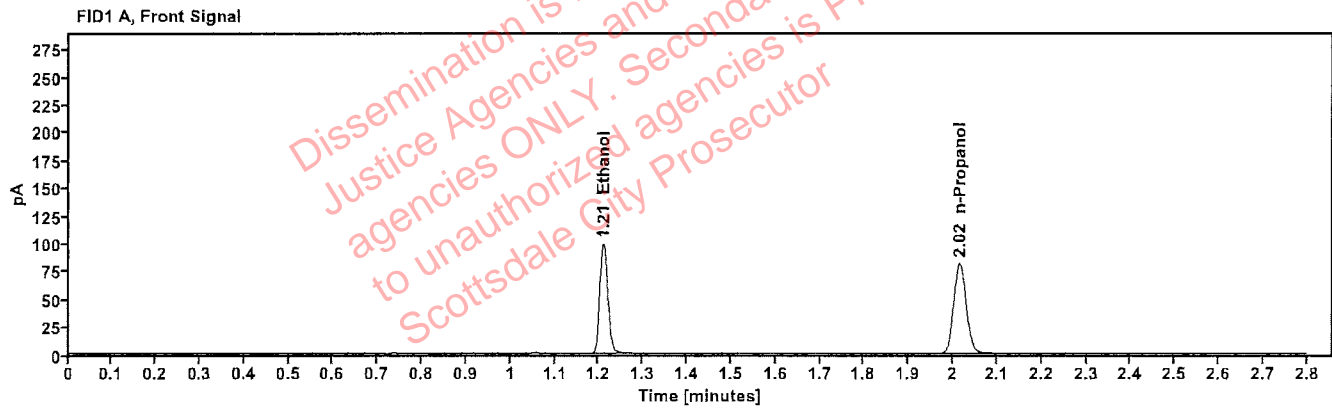


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2027	1.209	126.098
n-Propanol	-----	2.015	162.312

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

Compound	Time (min)	Peak Area
Ethanol	1.356	138.030
n-Propanol	2.434	176.980

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 031623AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 5:57:39 PM
Data file: C:\Chem32\1\Data\25Apr23\45.D	Analyst: Abbott

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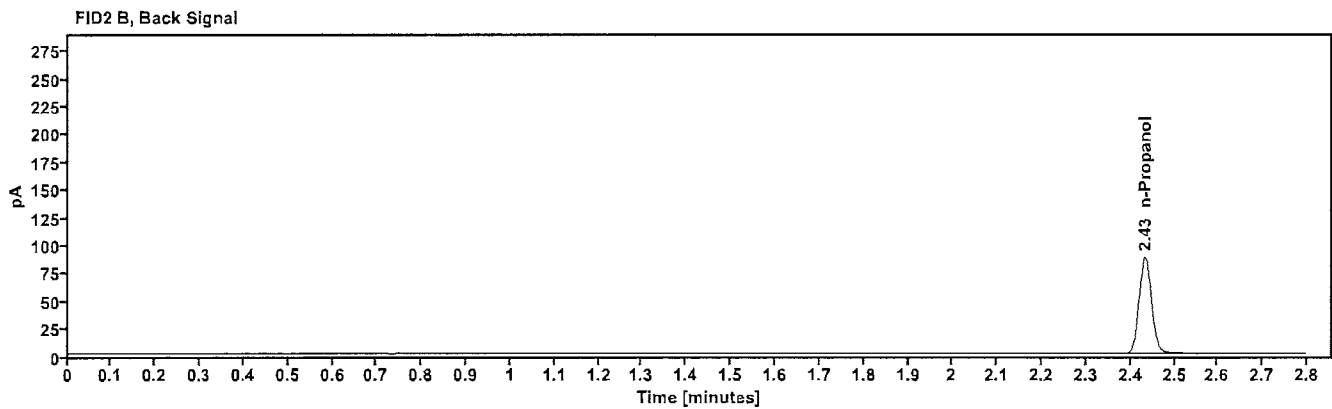
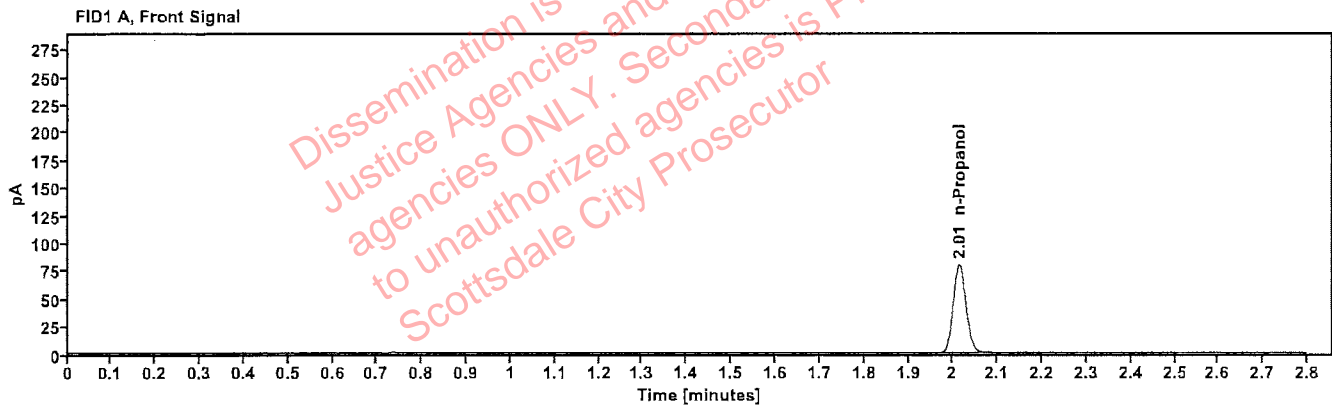


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	158.761

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

Compound	Time (min)	Peak Area
n-Propanol	2.433	172.963

Sequence Summary

Sequence name: 25Apr23 Instrument: US14173023 CN14160045 Analyst: Abbott

Vial	Sample	Description	Type	LIMS ID	Method
1	FN10051909	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN02052101	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	4110320133/10	0.199	Control		ethanol quant.M
10	2304753-5		Sample		ethanol quant.M
11	2304753-5		Sample		ethanol quant.M
12	2307350-2		Sample		ethanol quant.M
13	2307350-2		Sample		ethanol quant.M
14	327-01N.S.		Sample		ethanol quant.M
15	327-01N.S.		Sample		ethanol quant.M
16	327-01S.B.		Sample		ethanol quant.M
17	327-01S.B.		Sample		ethanol quant.M
18	420-01J.Y.		Sample		ethanol quant.M
19	420-01J.Y.		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	408-01S.H.		Sample		ethanol quant.M
22	408-01S.H.		Sample		ethanol quant.M
23	2307748-2		Sample		ethanol quant.M
24	2307748-2		Sample		ethanol quant.M
25	2307763-2		Sample		ethanol quant.M
26	2307763-2		Sample		ethanol quant.M
27	2307869-2		Sample		ethanol quant.M
28	2307869-2		Sample		ethanol quant.M
29	2307868-2		Sample		ethanol quant.M
30	2307868-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2307865-2		Sample		ethanol quant.M
33	2307865-2		Sample		ethanol quant.M
34	2307701-4		Sample		ethanol quant.M
35	2307701-4		Sample		ethanol quant.M
36	2308294-4		Sample		ethanol quant.M
37	2308294-4		Sample		ethanol quant.M
38	2307983-1		Sample		ethanol quant.M
39	2307983-1		Sample		ethanol quant.M
40	FN07022010		Sample		ethanol quant.M
41	FN07022010		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/10	0.199	Control		ethanol quant.M
45	031623AQ	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 25Apr23

ANALYST: Abbott

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1882	0.1904	0.18930	0.58	0.00110
12 13	0.1450	0.1455	0.14525	0.17	0.00025
14 15	0.1640	0.1657	0.16485	0.52	0.00085
16 17	0.1141	0.1125	0.11330	0.71	0.00080
18 19	0.1553	0.1543	0.15480	0.32	0.00050
21 22	0.1251	0.1264	0.12575	0.52	0.00065
23 24	0.0542	0.0546	0.05440	0.37	0.00020
25 26	0.2208	0.2200	0.22040	0.18	0.00040
27 28	0.0730	0.0730	0.07300	0.00	0.00000
29 30	0.2960	0.2963	0.29615	0.05	0.00015
32 33	0.2166	0.2148	0.21570	0.42	0.00090
34 35	0.2611	0.2602	0.26065	0.17	0.00045
36 37	0.0926	0.0932	0.09290	0.32	0.00030
38 39	0.1892	0.1845	0.18685	1.26	0.00235
40 41	0.1501	0.1504	0.15025	0.10	0.00015

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2304753-5	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 3:36:09 PM
Data file:	C:\Chem32\1\Data\25Apr23\10.D	Analyst:	Abbott

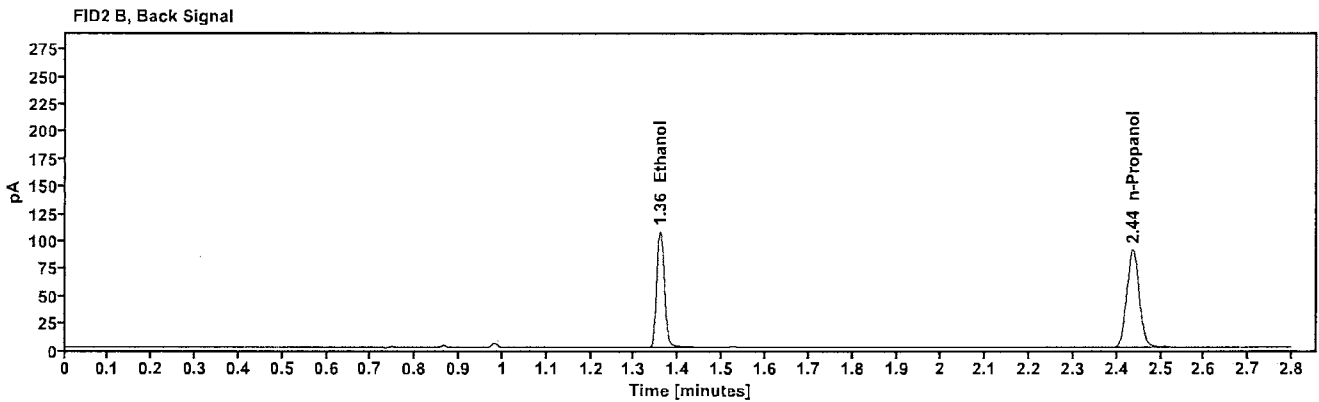
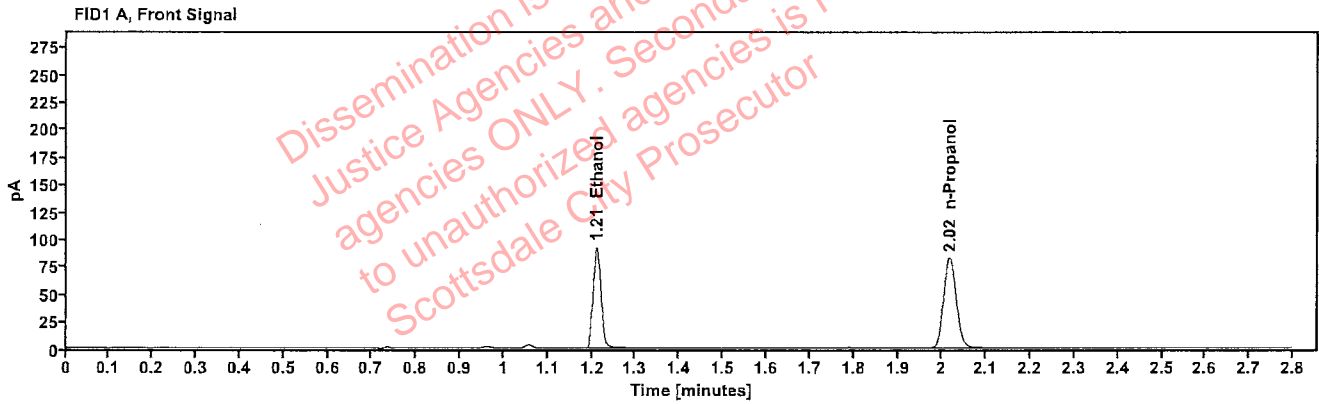


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1882	1.211	118.098
n-Propanol	---	2.016	163.821

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

Compound	Time (min)	Peak Area
Ethanol	1.358	129.491
n-Propanol	2.436	178.330

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2304753-5	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 3:40:10 PM
Data file:	C:\Chem32\1\Data\25Apr23\11.D	Analyst:	Abbott

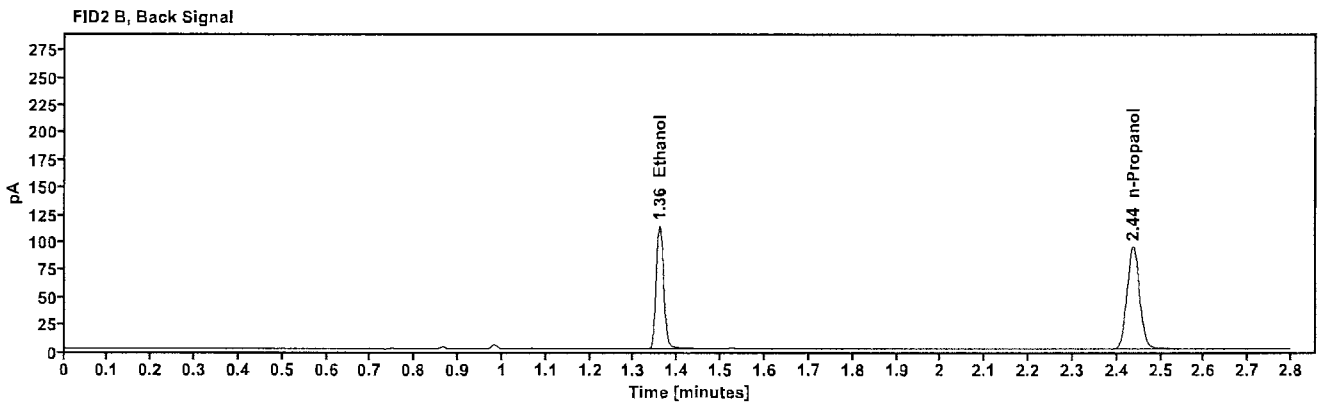
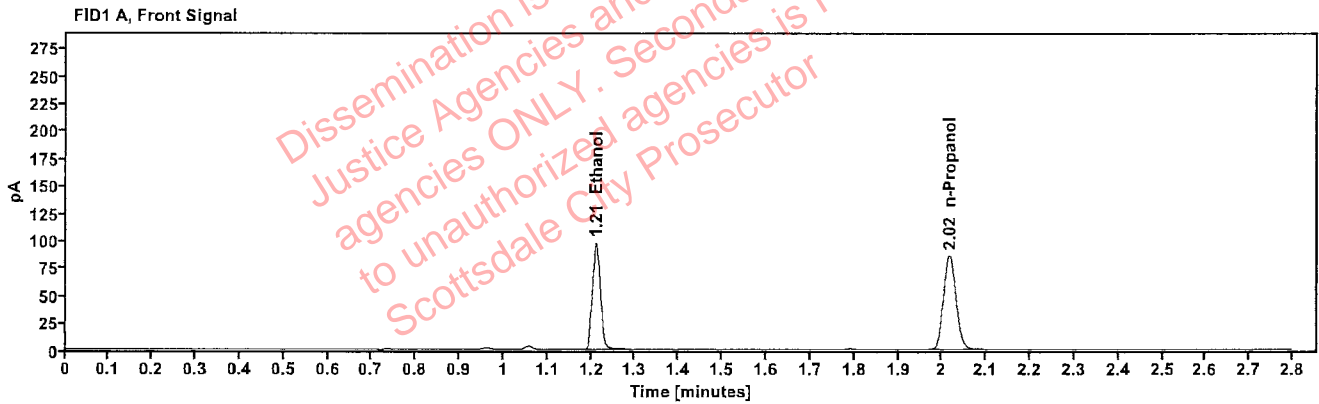


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1904	1.211	124.717
n-Propanol	---	2.016	170.986

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

Compound	Time (min)	Peak Area
Ethanol	1.358	136.609
n-Propanol	2.437	186.147

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307350-2	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 3:44:10 PM
Data file:	C:\Chem32\1\Data\25Apr23\12.D	Analyst:	Abbott

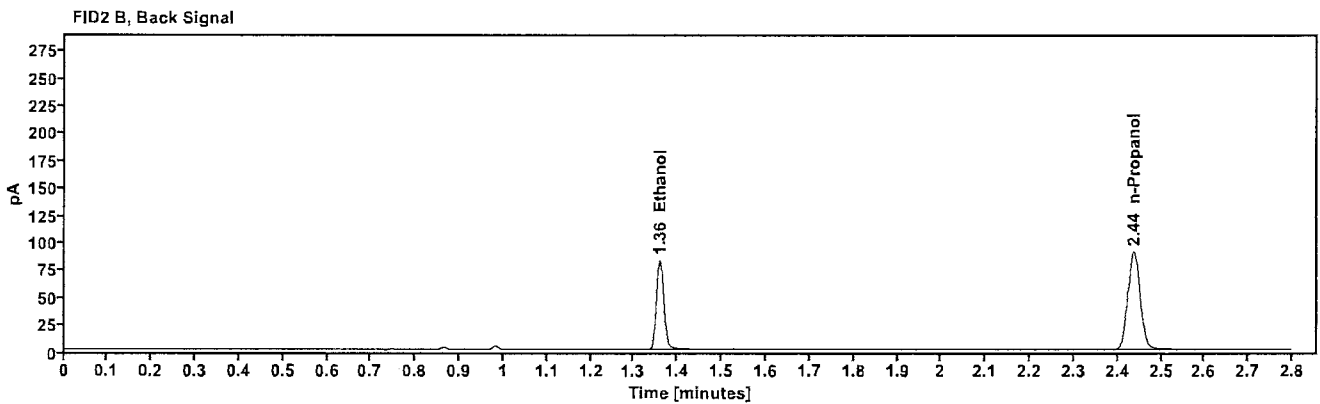
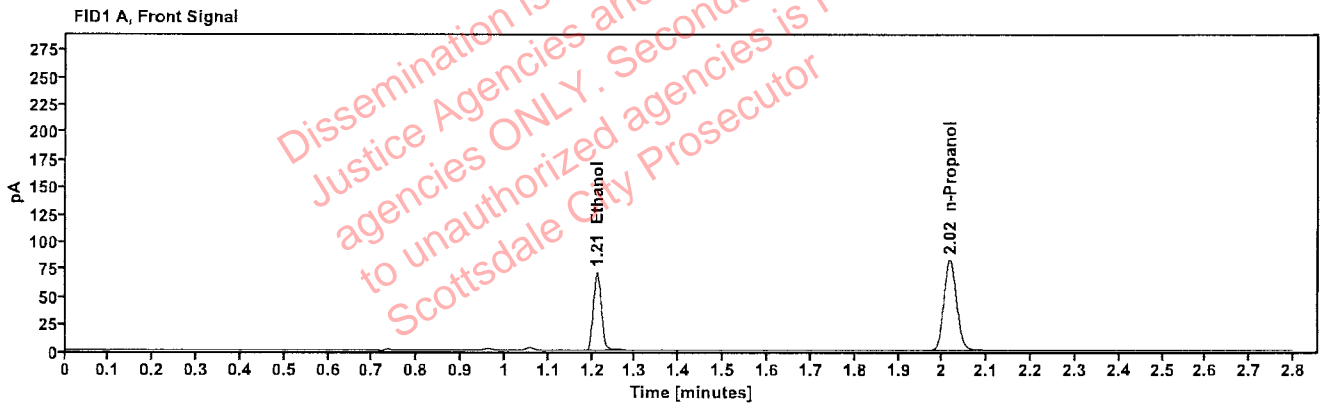


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1450	1.211	90.649
n-Propanol	-----	2.017	163.651

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

Compound	Time (min)	Peak Area
Ethanol	1.359	99.221
n-Propanol	2.437	178.134

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307350-2	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 3:48:25 PM
Data file:	C:\Chem32\1\Data\25Apr23\13.D	Analyst:	Abbott

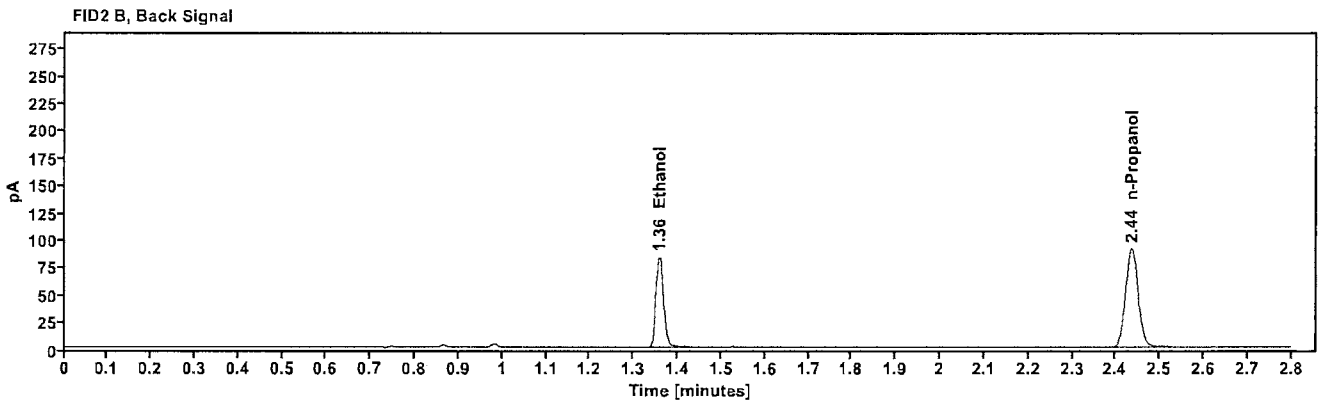
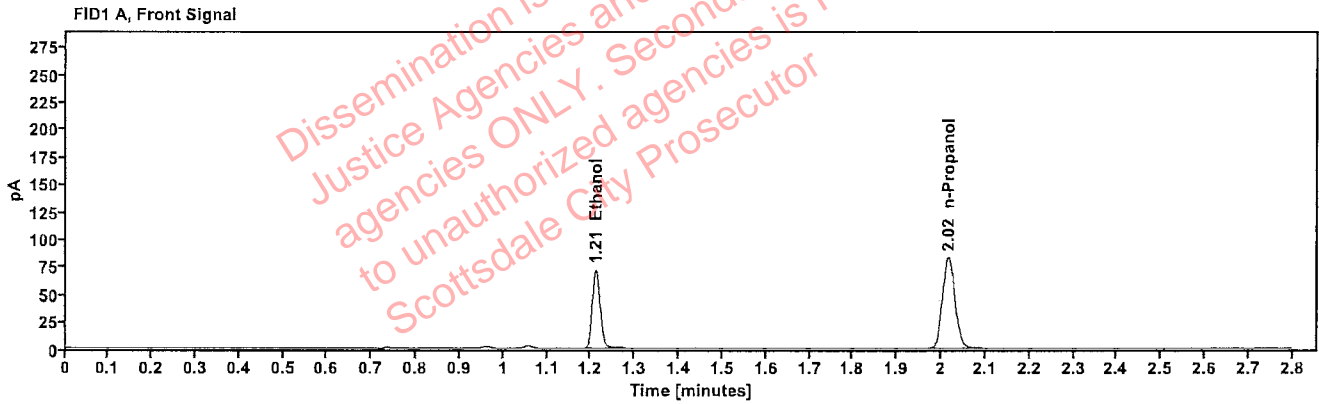


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1455	1.211	91.761
n-Propanol	----	2.016	165.112

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

Compound	Time (min)	Peak Area
Ethanol	1.358	100.311
n-Propanol	2.436	179.669

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01N.S.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 3:52:25 PM
Data file:	C:\Chem32\11\Data\25Apr23\14.D	Analyst:	Abbott

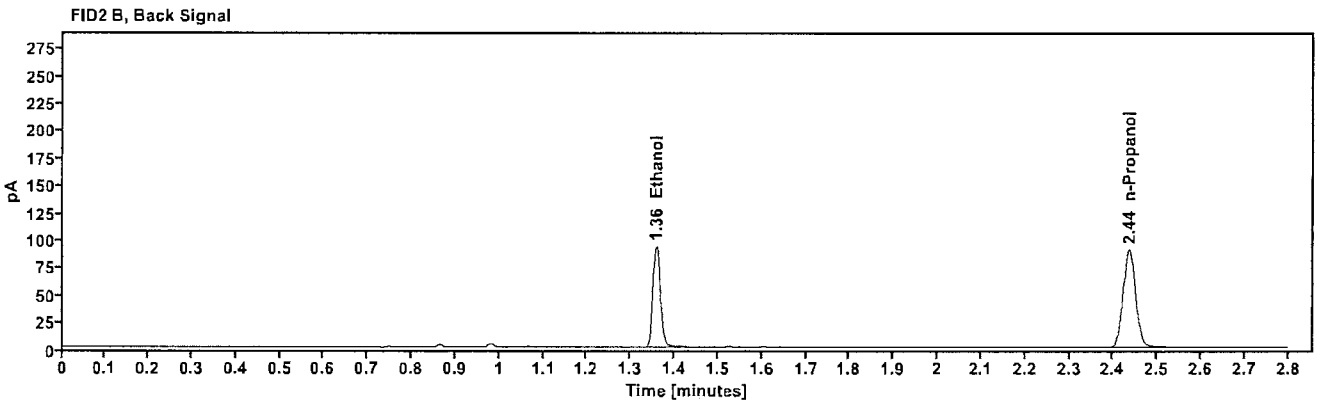
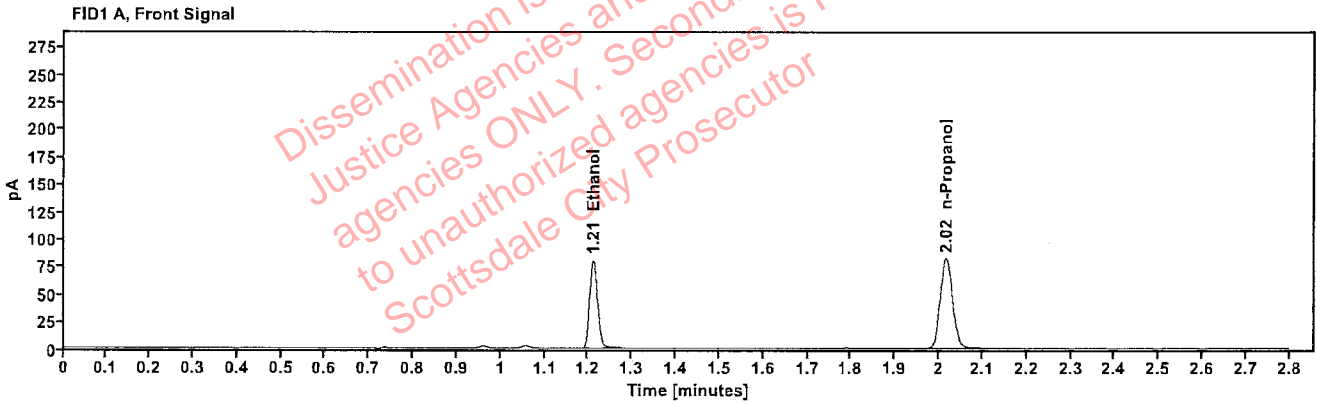


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1640	1.210	102.532
n-Propanol	---	2.016	163.439

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

Compound	Time (min)	Peak Area
Ethanol	1.358	112.048
n-Propanol	2.436	177.772

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01N.S.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 3:56:24 PM
Data file:	C:\Chem32\1\Data\25Apr23\15.D	Analyst:	Abbott

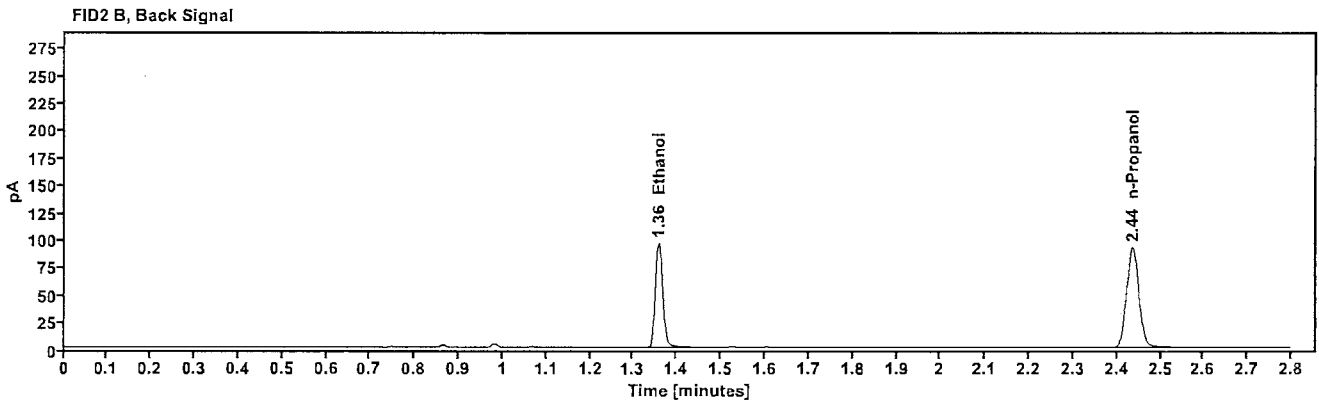
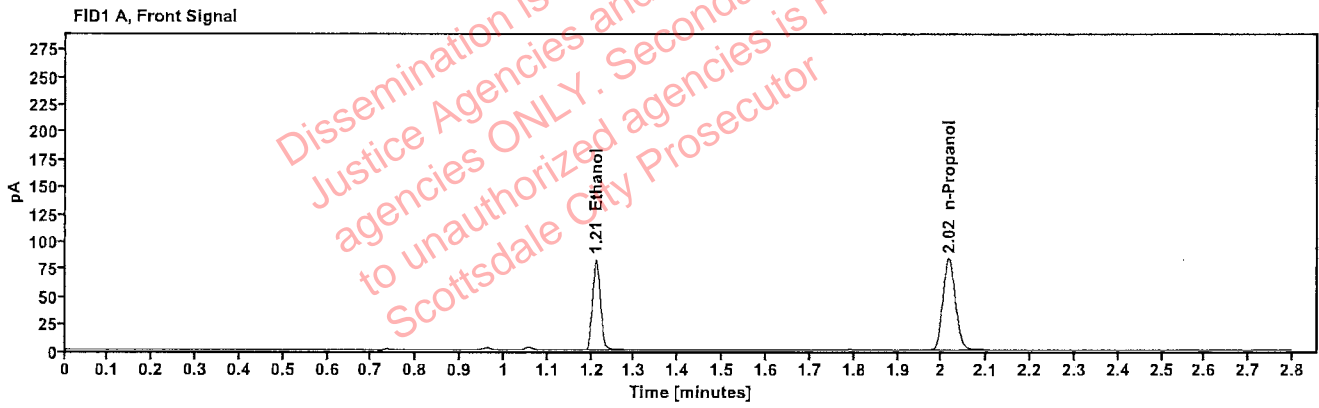


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1657	1.211	105.560
n-Propanol	-----	2.016	166.509

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

Compound	Time (min)	Peak Area
Ethanol	1.358	115.510
n-Propanol	2.436	181.218

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01S.B.	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:00:25 PM
Data file:	C:\Chem32\1\Data\25Apr23\16.D	Analyst:	Abbott

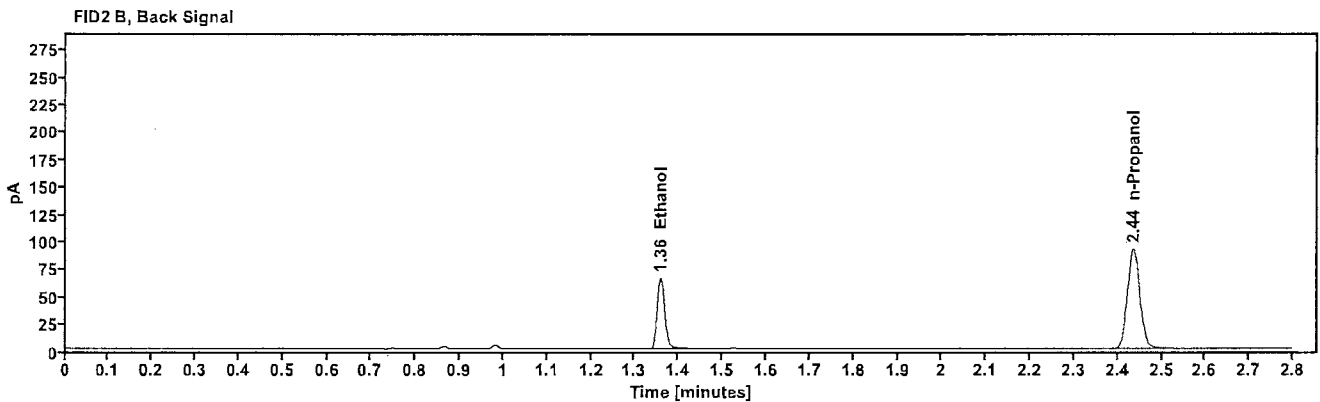
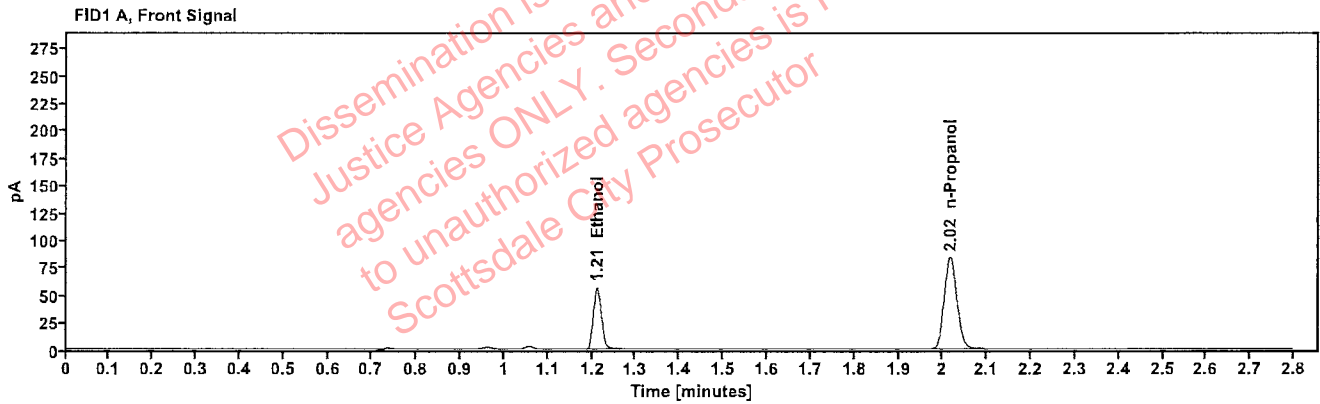


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1141	1.211	72.367
n-Propanol	-----	2.016	166.570

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

Compound	Time (min)	Peak Area
Ethanol	1.359	79.091
n-Propanol	2.436	181.510

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01S.B.	Vial:	17
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:04:24 PM
Data file:	C:\Chem32\1\Data\25Apr23\17.D	Analyst:	Abbott

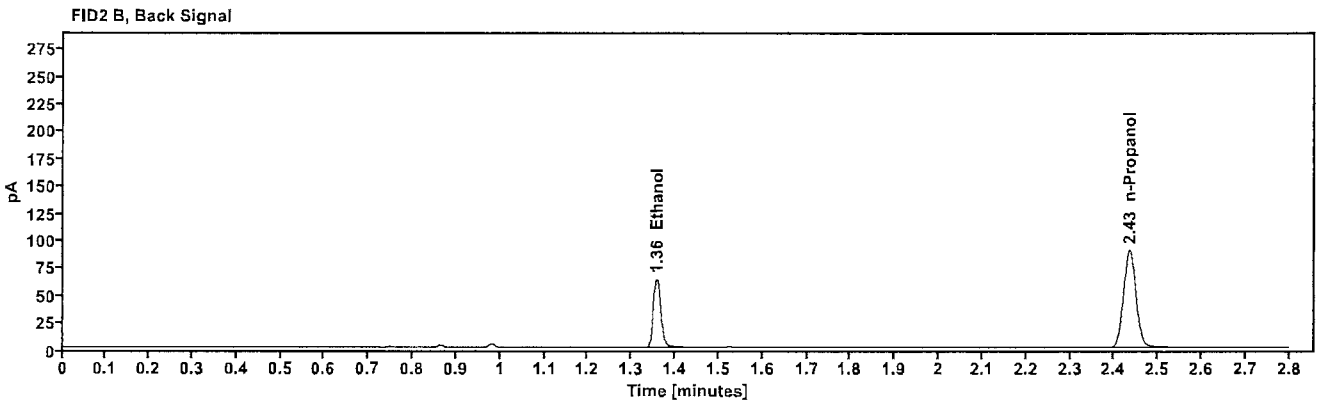
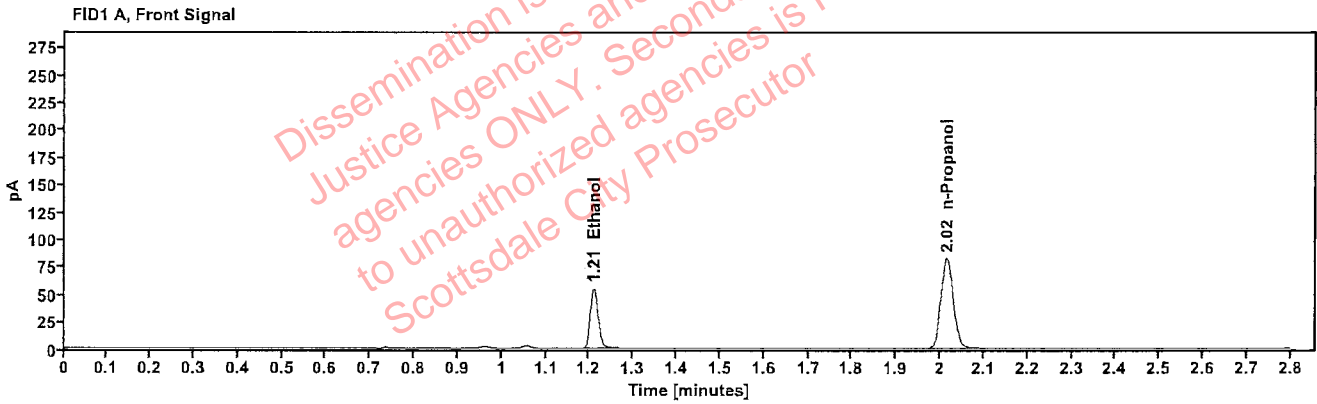


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1125	1.210	69.958
n-Propanol	-----	2.015	163.325

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

Compound	Time (min)	Peak Area
Ethanol	1.357	76.213
n-Propanol	2.435	178.110

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	420-01J.Y.	Vial:	18
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:08:25 PM
Data file:	C:\Chem32\1\Data\25Apr23\18.D	Analyst:	Abbott

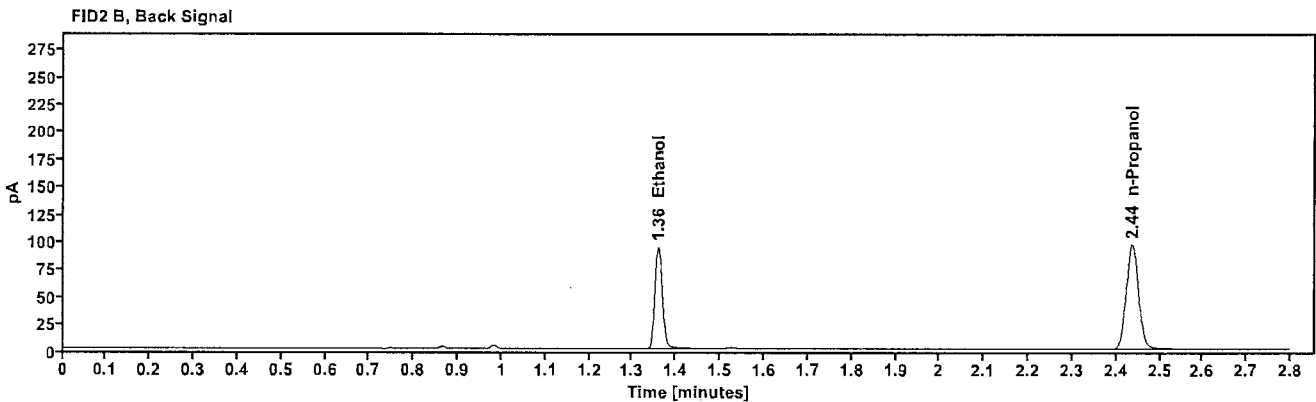
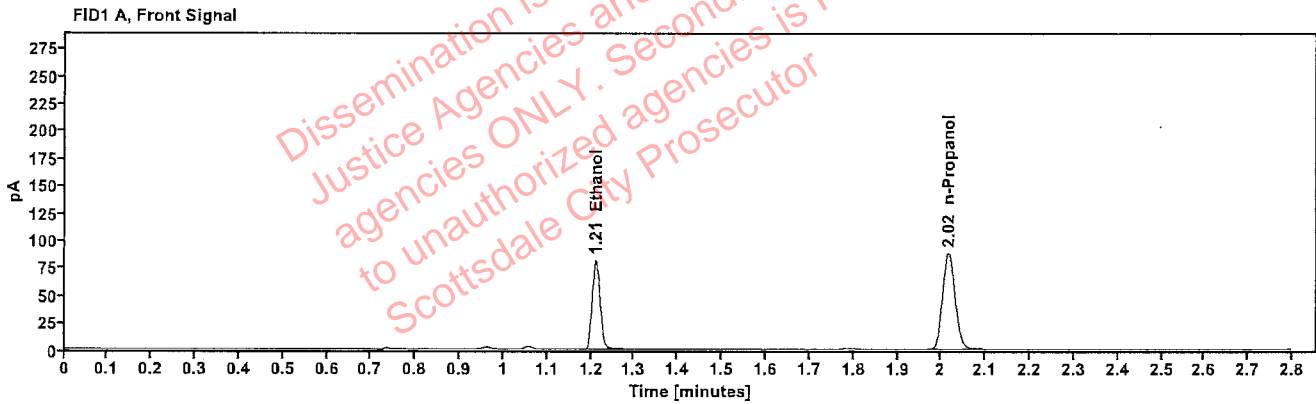


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1553	1.211	104.062
n-Propanol	----	2.016	175.283

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

Compound	Time (min)	Peak Area
Ethanol	1.359	113.875
n-Propanol	2.436	191.104

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	420-01J.Y.	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:12:39 PM
Data file:	C:\Chem32\1\Data\25Apr23\19.D	Analyst:	Abbott

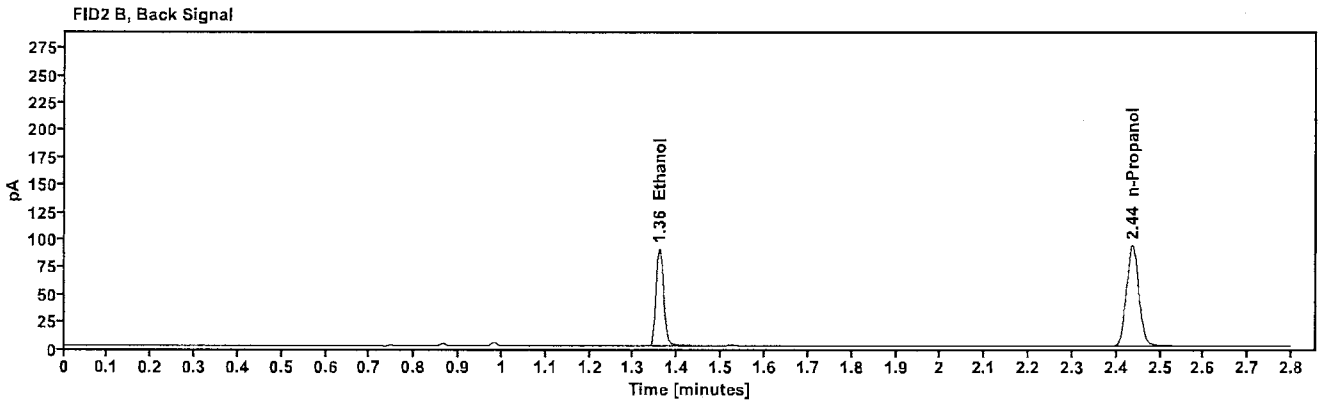
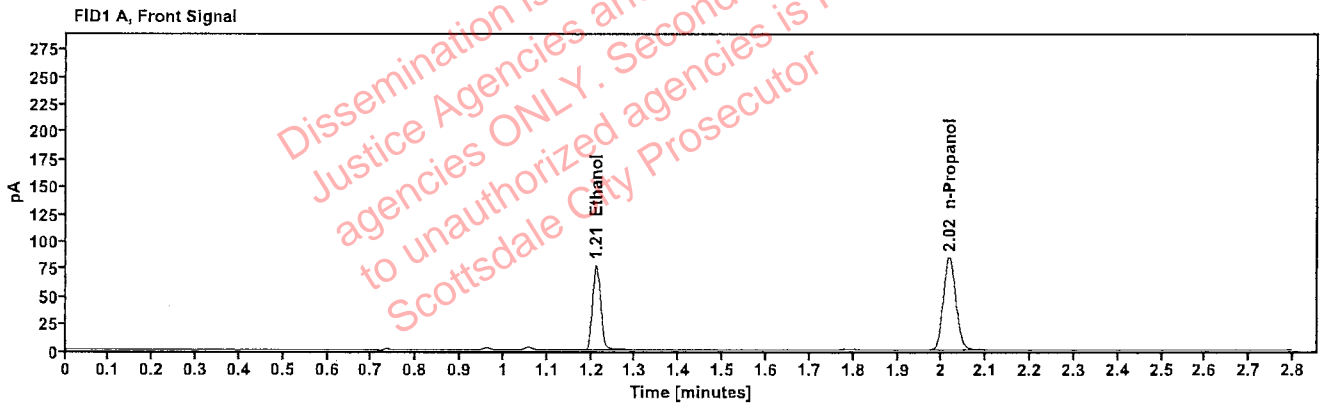


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1543	1.211	99.266
n-Propanol	-----	2.017	168.344

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

Compound	Time (min)	Peak Area
Ethanol	1.359	108.434
n-Propanol	2.437	183.192

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	408-01S.H.	Vial:	21
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:20:40 PM
Data file:	C:\Chem3211\Data\25Apr23\21.D	Analyst:	Abbott

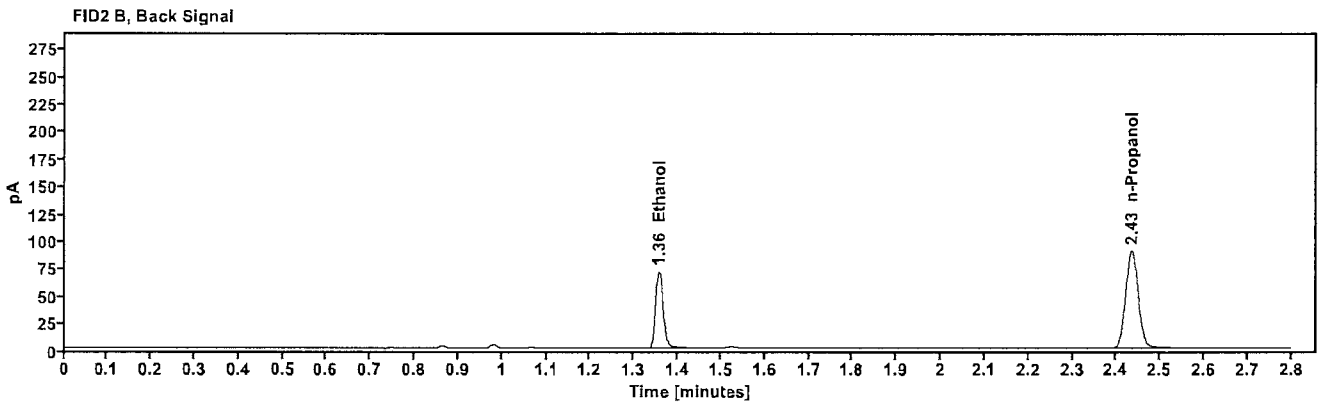
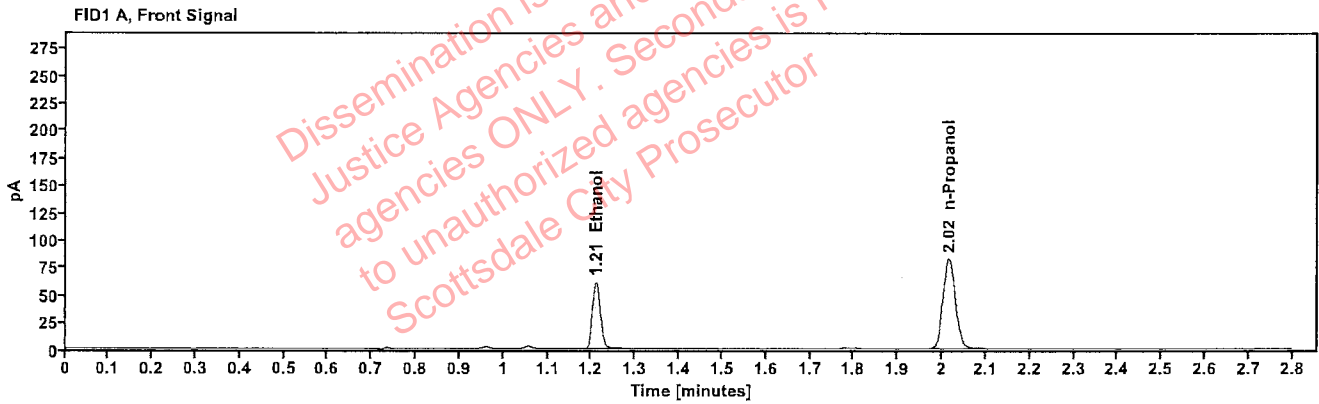


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1251	1.210	78.290
n-Propanol	-----	2.015	164.173

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

Compound	Time (min)	Peak Area
Ethanol	1.357	85.796
n-Propanol	2.435	178.848

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	408-01S.H.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:24:39 PM
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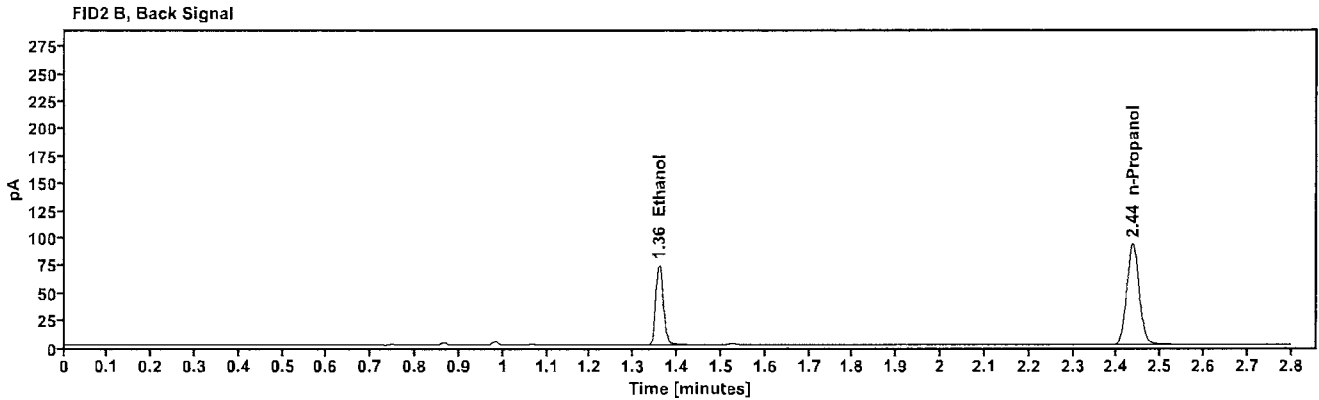
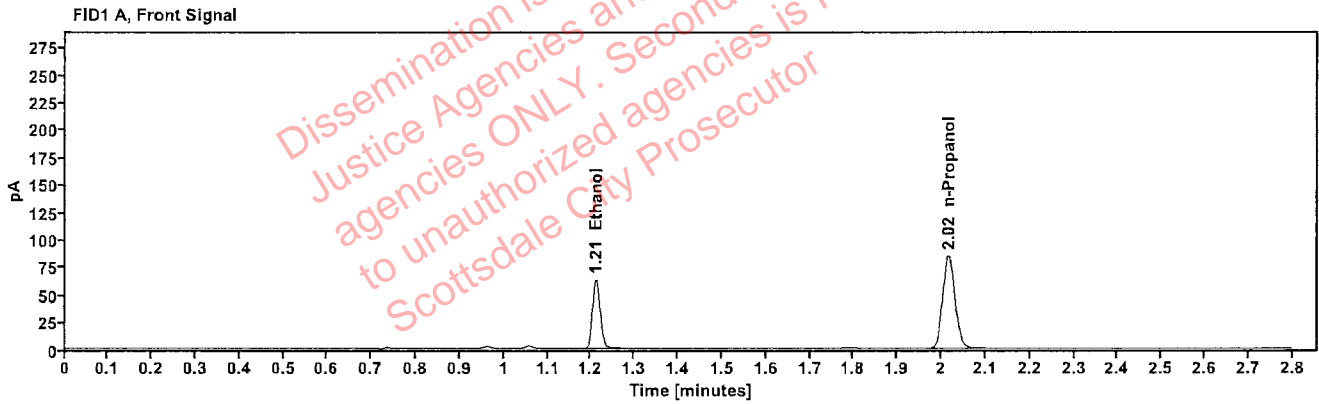


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1264	1.211	81.059
n-Propanol	-----	2.016	168.226

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

Compound	Time (min)	Peak Area
Ethanol	1.358	88.493
n-Propanol	2.436	183.176

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307748-2	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:28:39 PM
Data file:	C:\Chem32\1\Data\25Apr23\23.D	Analyst:	Abbott

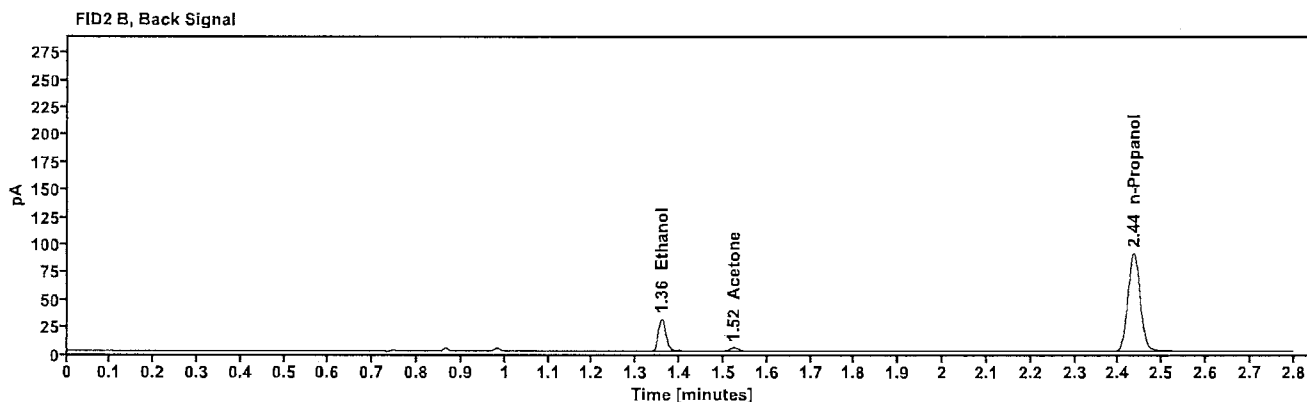
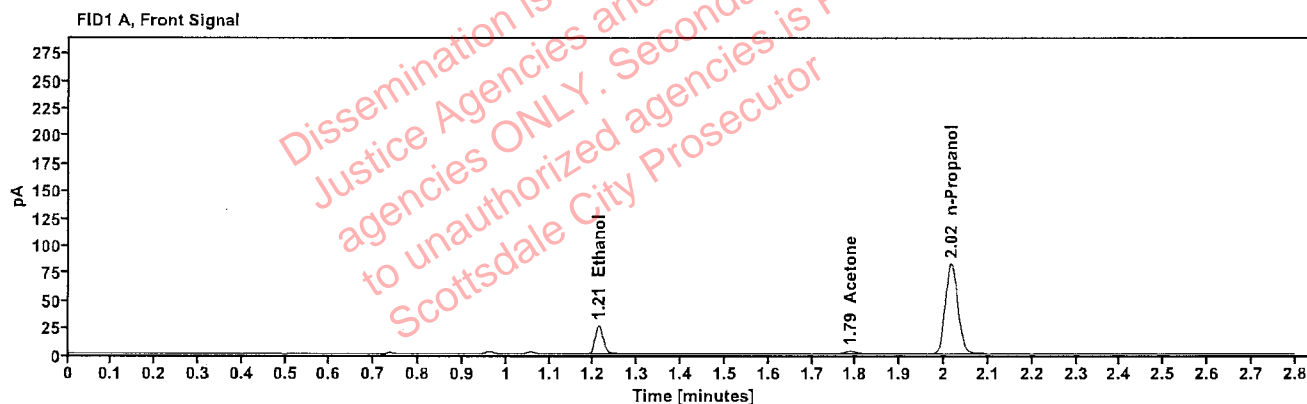


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0542	1.211	33.286
Acetone	-----	1.787	3.988
n-Propanol	-----	2.016	164.197

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

Compound	Time (min)	Peak Area
Ethanol	1.358	36.692
Acetone	1.523	4.416
n-Propanol	2.436	178.927

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307748-2	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:32:40 PM
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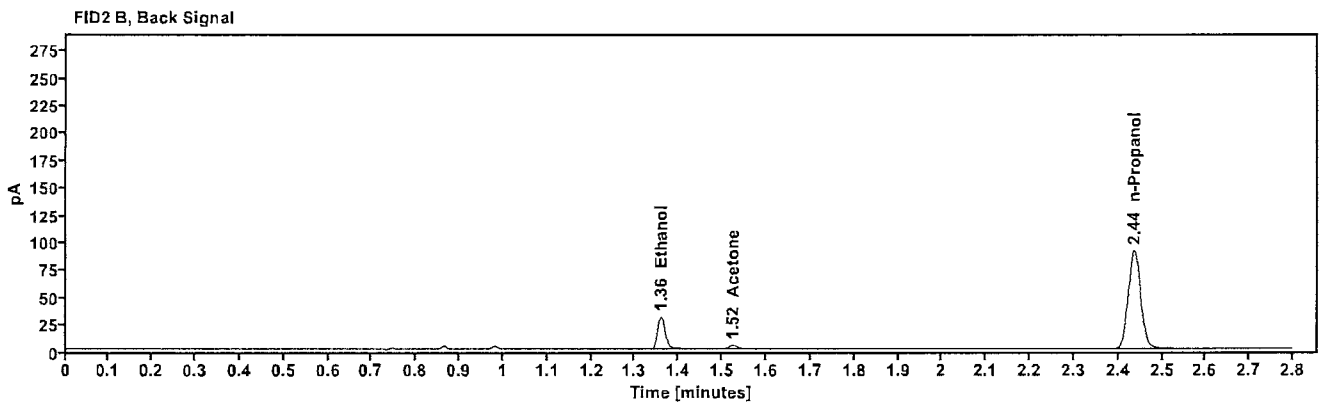
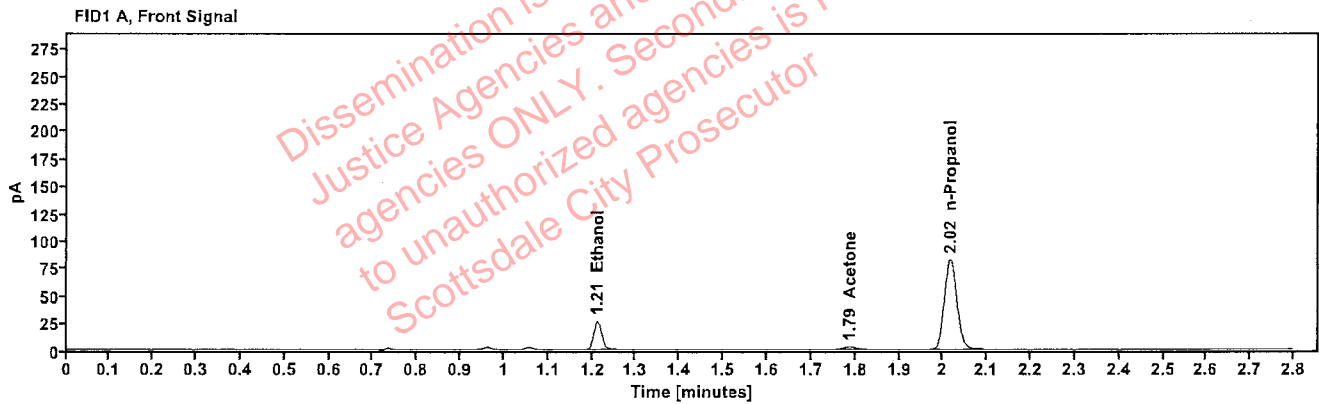


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0546	1.212	33.578
Acetone	-----	1.788	3.949
n-Propanol	-----	2.016	164.324

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

Compound	Time (min)	Peak Area
Ethanol	1.359	37.101
Acetone	1.524	4.392
n-Propanol	2.436	179.007

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307763-2	Vial:	25
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:36:54 PM
Data file:	C:\Chem32\1\Data\25Apr23\25.D	Analyst:	Abbott

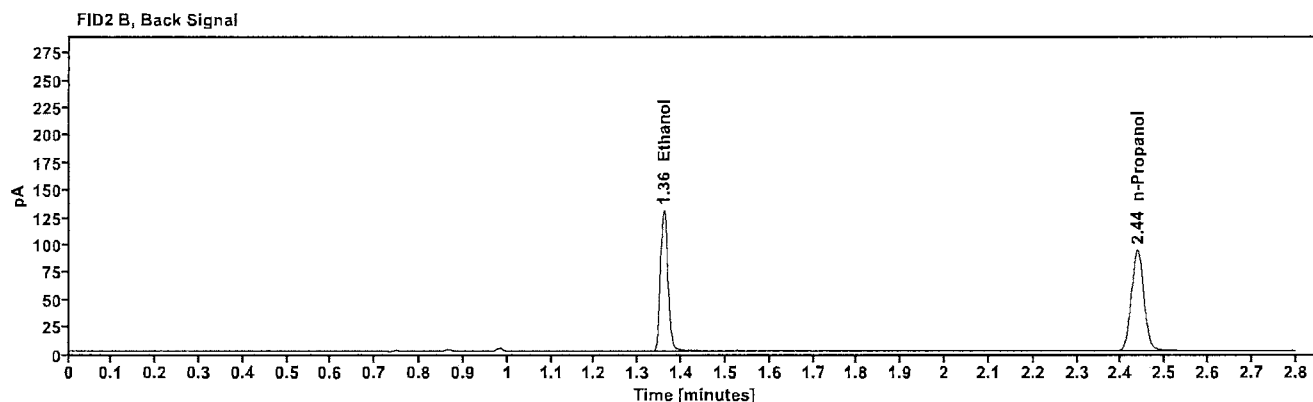
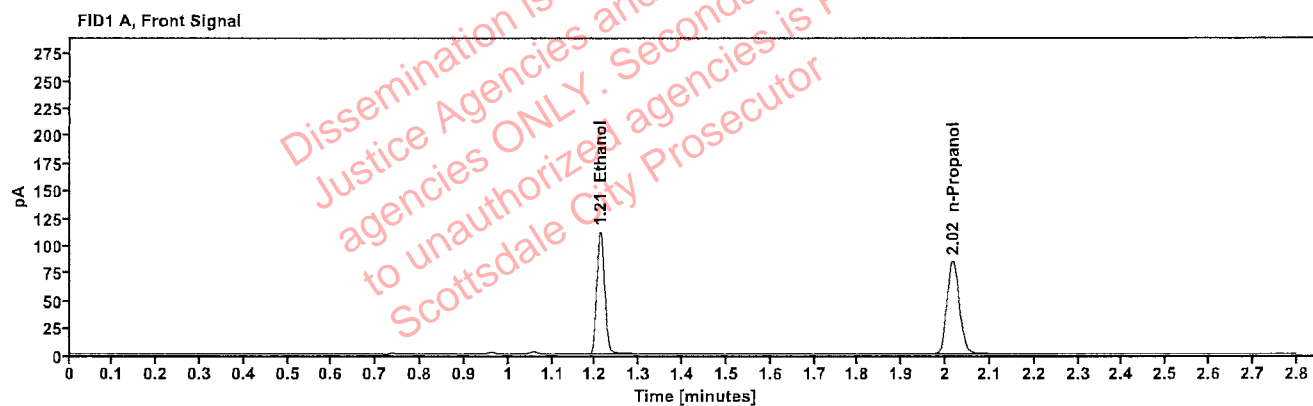


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2208	1.211	143.178
n-Propanol	-----	2.017	169.090

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

Compound	Time (min)	Peak Area
Ethanol	1.359	156.698
n-Propanol	2.436	183.898

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307763-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:40:54 PM
Data file:	C:\Chem32\1\Data\25Apr23\26.D	Analyst:	Abbott

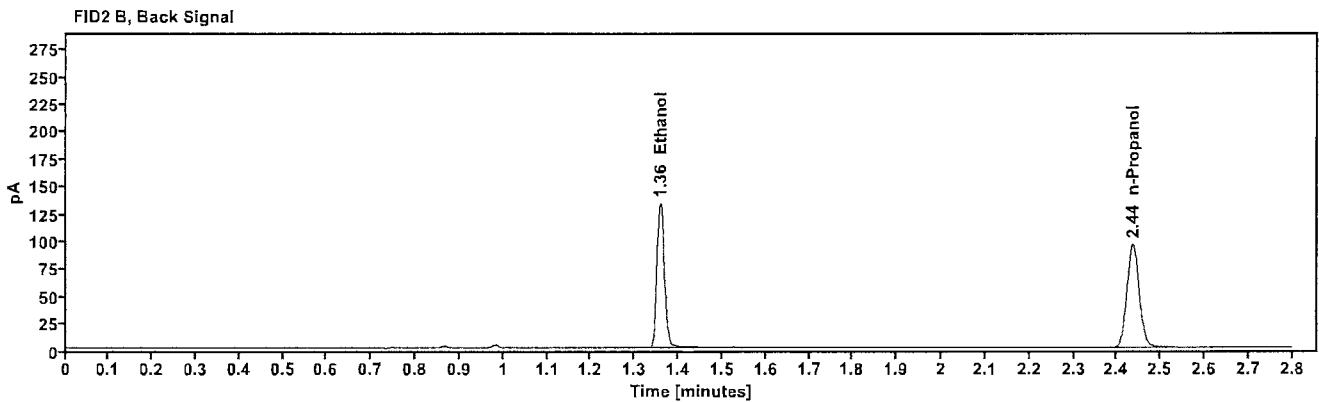
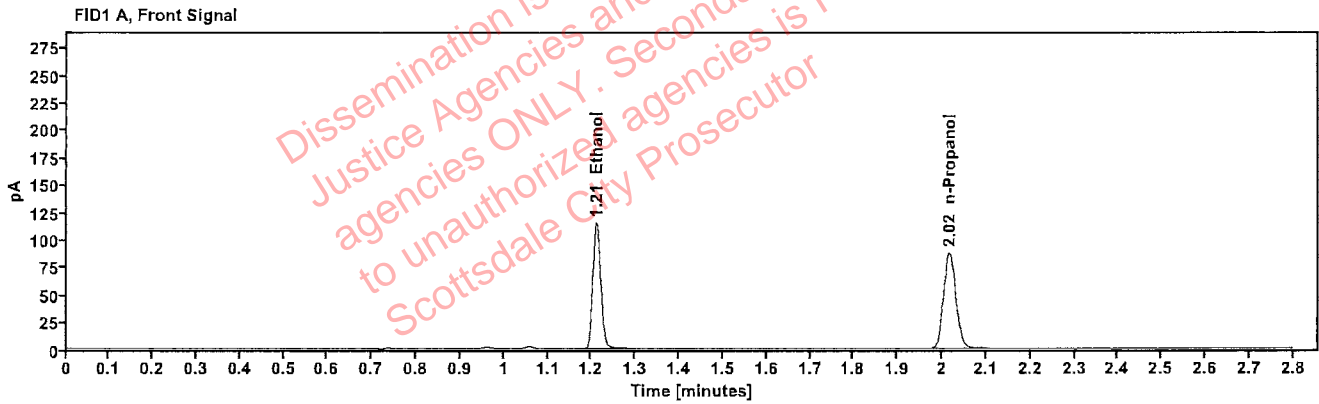


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2200	1.210	146.919
n-Propanol	-----	2.016	174.106

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

Compound	Time (min)	Peak Area
Ethanol	1.358	160.734
n-Propanol	2.436	189.453

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307869-2	Vial:	27
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:44:54 PM
Data file:	C:\Chem32\1\Data\25Apr23\27.D	Analyst:	Abbott

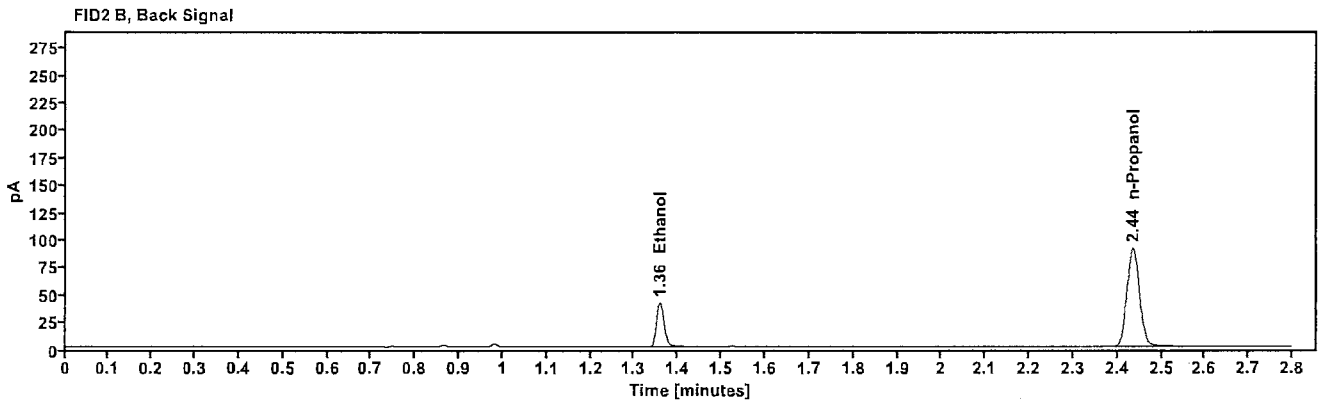
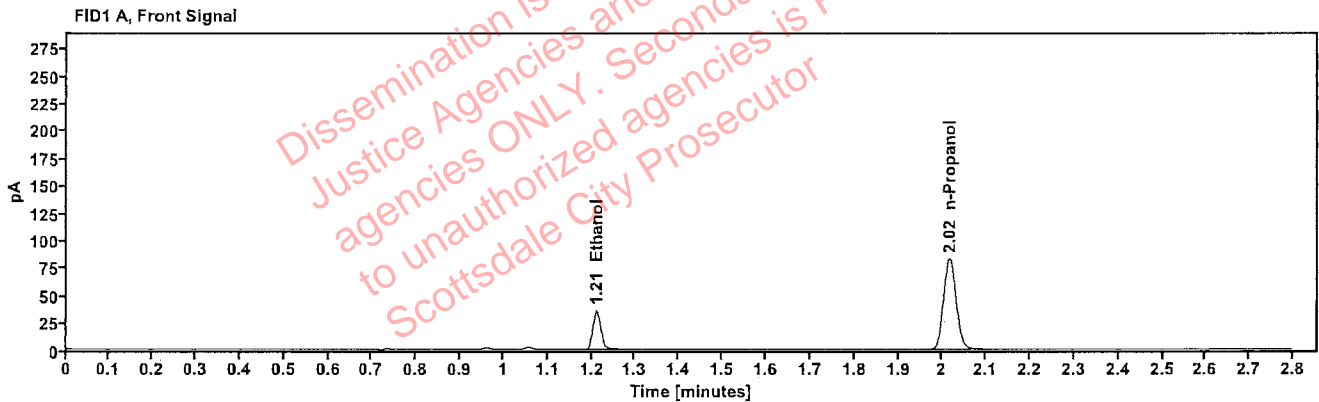


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0730	1.211	45.434
n-Propanol	---	2.016	164.810

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

Compound	Time (min)	Peak Area
Ethanol	1.358	49.523
n-Propanol	2.436	179.318

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307869-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:48:54 PM
Data file:	C:\Chem32\1\Data\25Apr23\28.D	Analyst:	Abbott

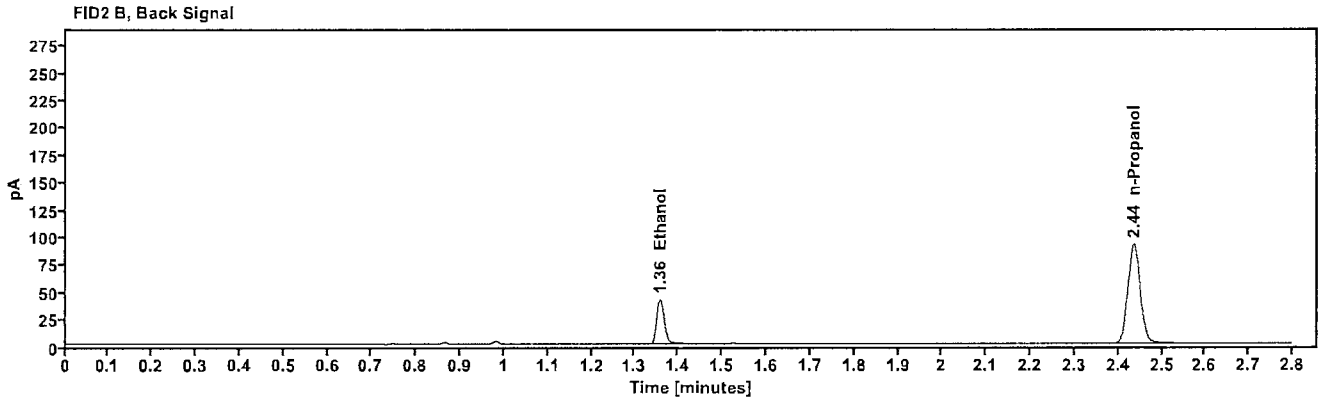
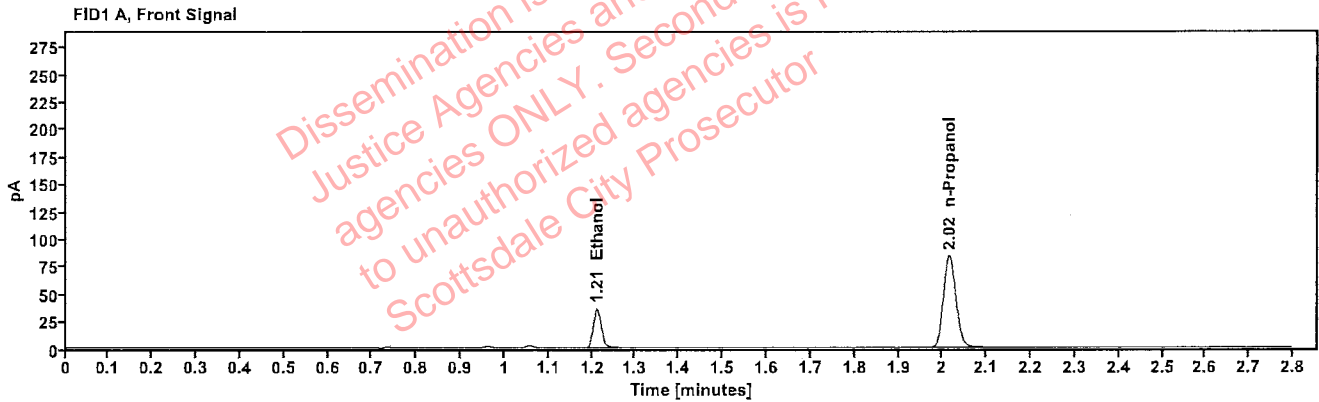


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0730	1.211	45.746
n-Propanol	-----	2.016	166.132

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

Compound	Time (min)	Peak Area
Ethanol	1.358	49.901
n-Propanol	2.435	180.823

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307868-2	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:52:54 PM
Data file:	C:\Chem32\1\Data\25Apr23\29.D	Analyst:	Abbott

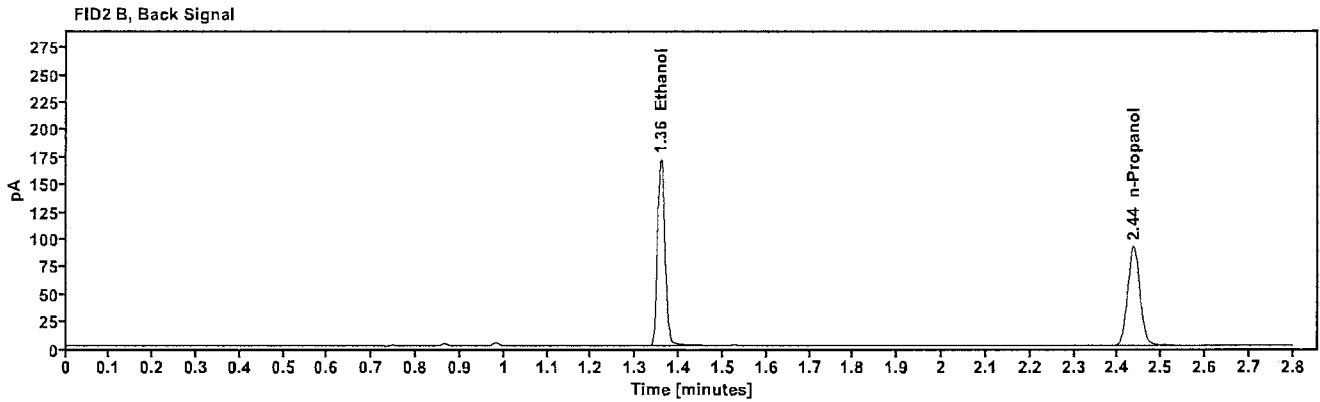
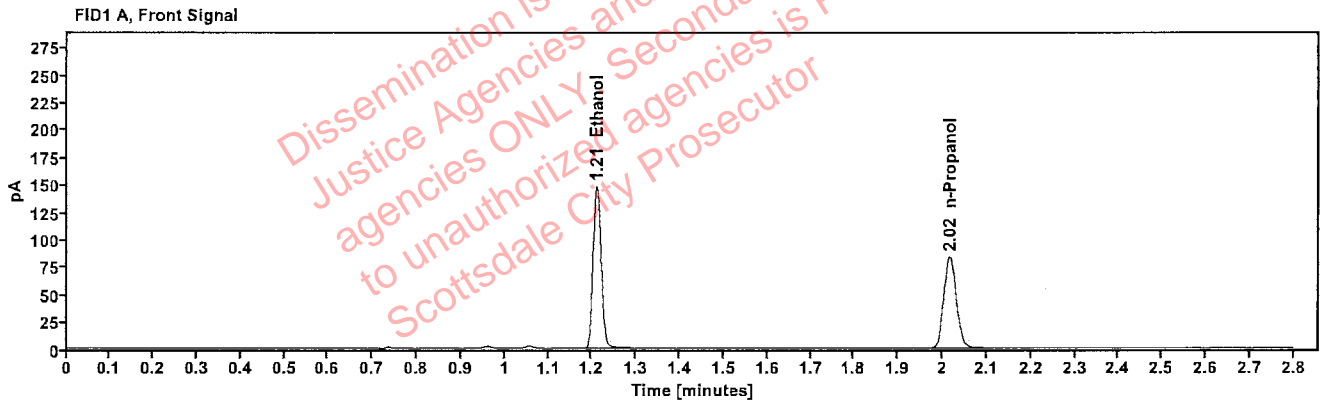


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2960	1.210	188.704
n-Propanol	---	2.016	165.875

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

Compound	Time (min)	Peak Area
Ethanol	1.358	207.394
n-Propanol	2.436	180.475

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307868-2	Vial:	30
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 4:56:54 PM
Data file:	C:\Chem32\1\Data\25Apr23\30.D	Analyst:	Abbott

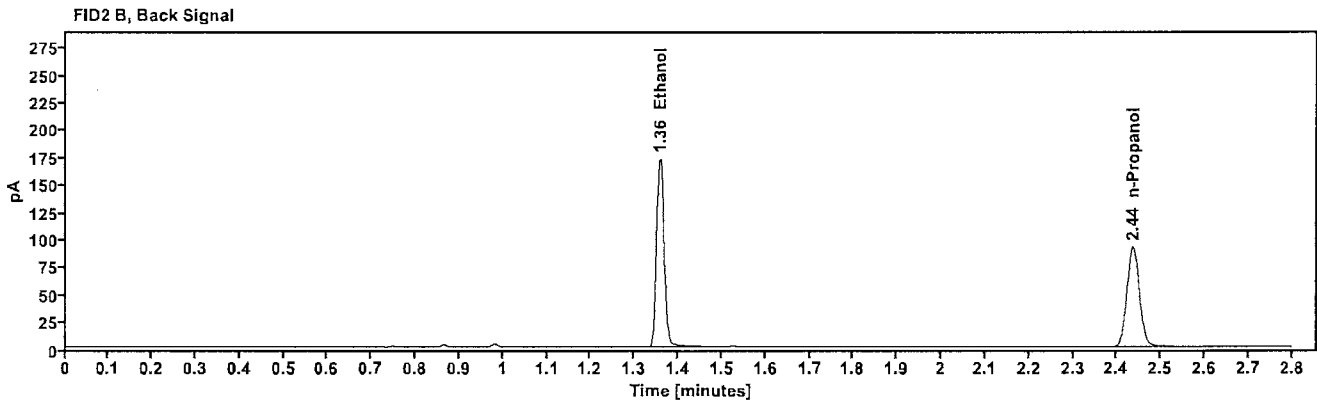
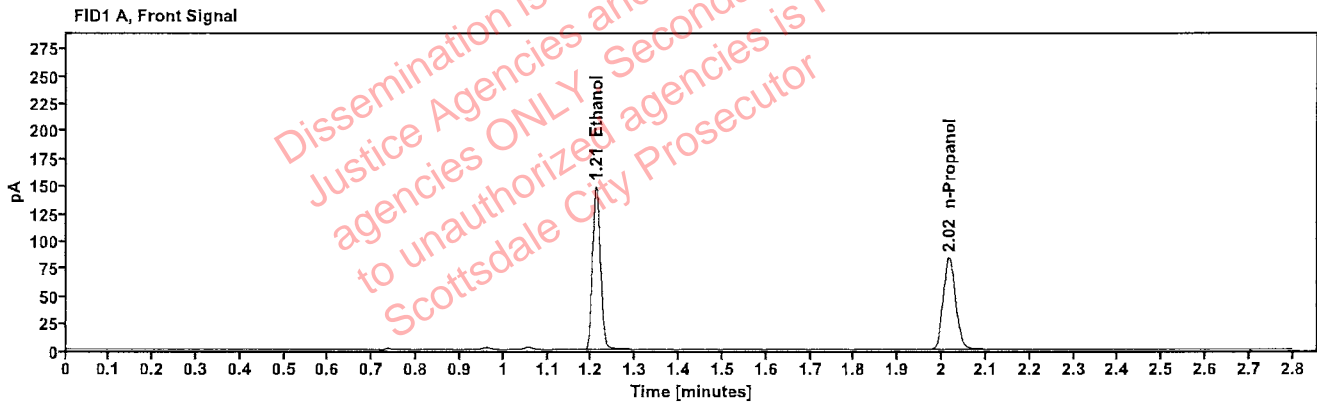


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2963	1.210	190.003
n-Propanol	----	2.016	166.852

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

Compound	Time (min)	Peak Area
Ethanol	1.358	208.936
n-Propanol	2.436	181.544

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307865-2	Vial:	32
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:05:09 PM
Data file:	C:\Chem32\1\Data\25Apr23\32.D	Analyst:	Abbott

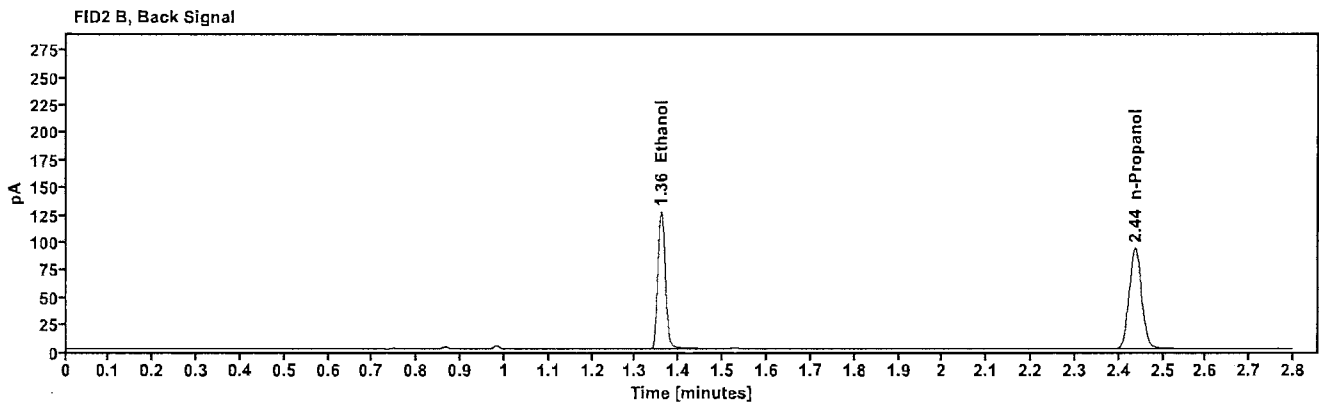
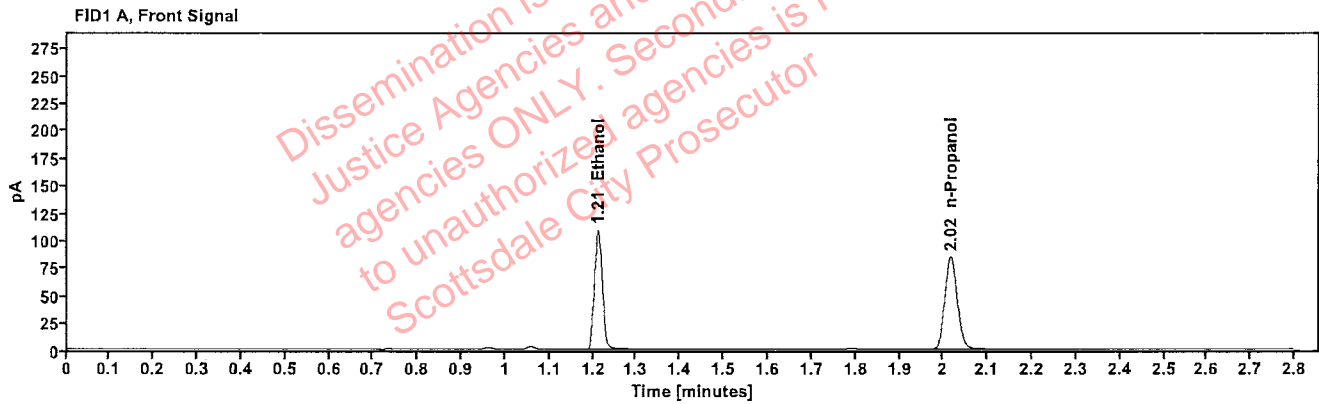


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2166	1.211	139.623
n-Propanol	-----	2.017	168.119

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

Compound	Time (min)	Peak Area
Ethanol	1.359	153.256
n-Propanol	2.437	182.881

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307865-2	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:09:09 PM
Data file:	C:\Chem32\1\Data\25Apr23\33.D	Analyst:	Abbott

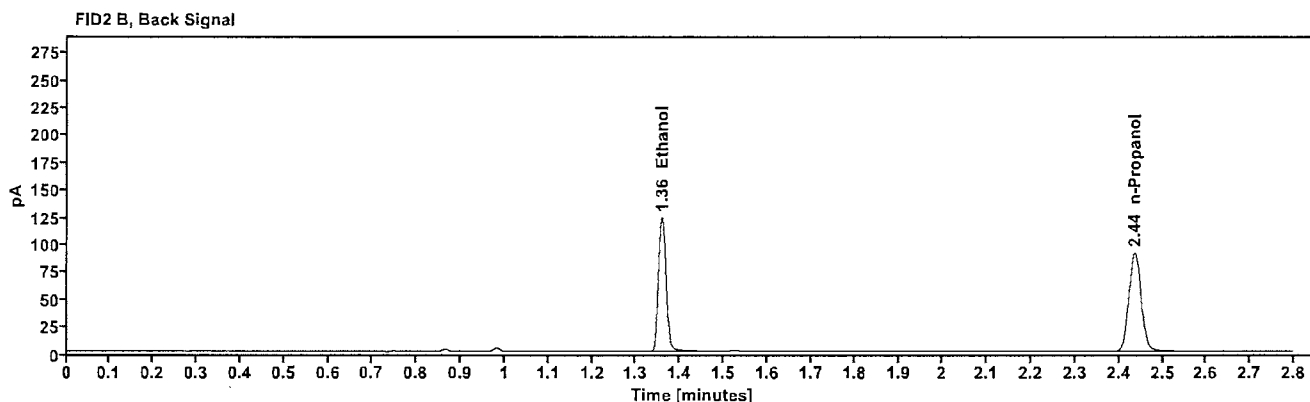
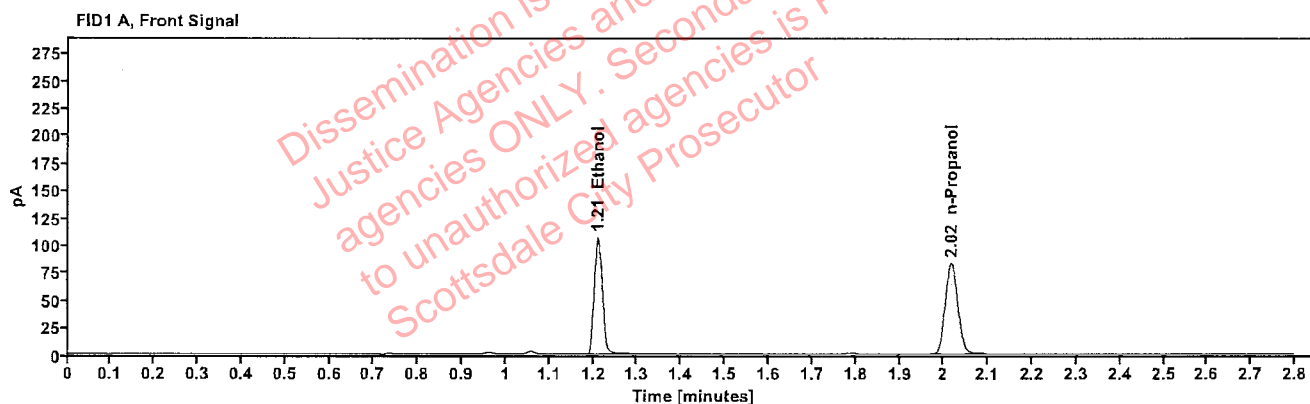


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2148	1.210	136.194
n-Propanol	-----	2.016	165.344

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

Compound	Time (min)	Peak Area
Ethanol	1.358	148.951
n-Propanol	2.436	179.774

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307701-4	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:13:09 PM
Data file:	C:\Chem32\1\Data\25Apr23\34.D	Analyst:	Abbott

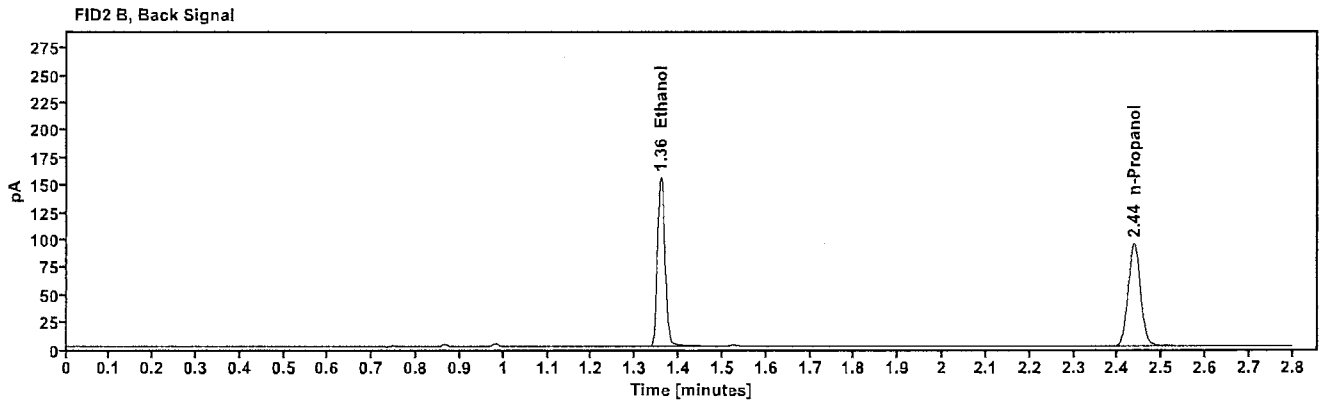
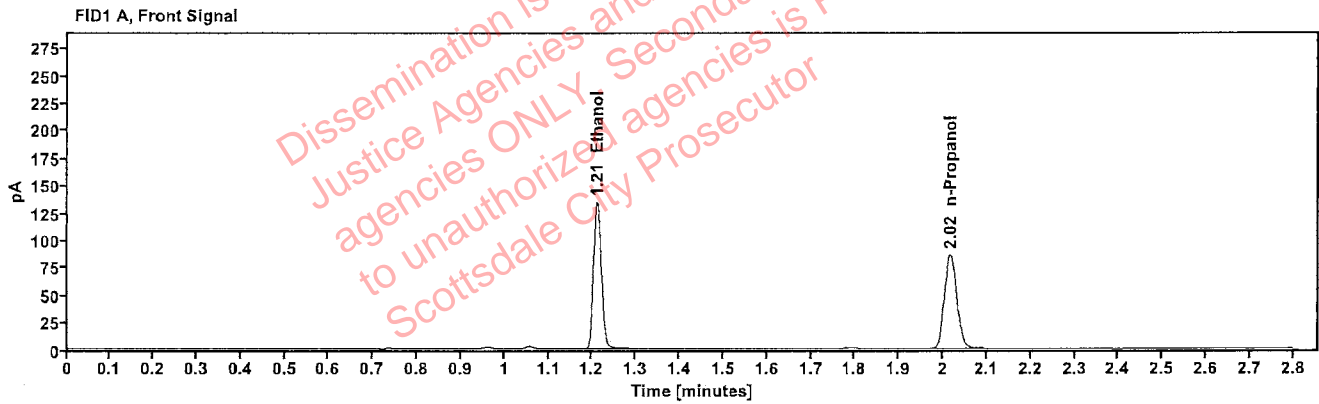


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2611	1.210	171.456
n-Propanol	---	2.016	170.969

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

Compound	Time (min)	Peak Area
Ethanol	1.358	188.442
n-Propanol	2.436	185.720

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307701-4	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:17:10 PM
Data file:	C:\Chem32\1\Data\25Apr23\35.D	Analyst:	Abbott

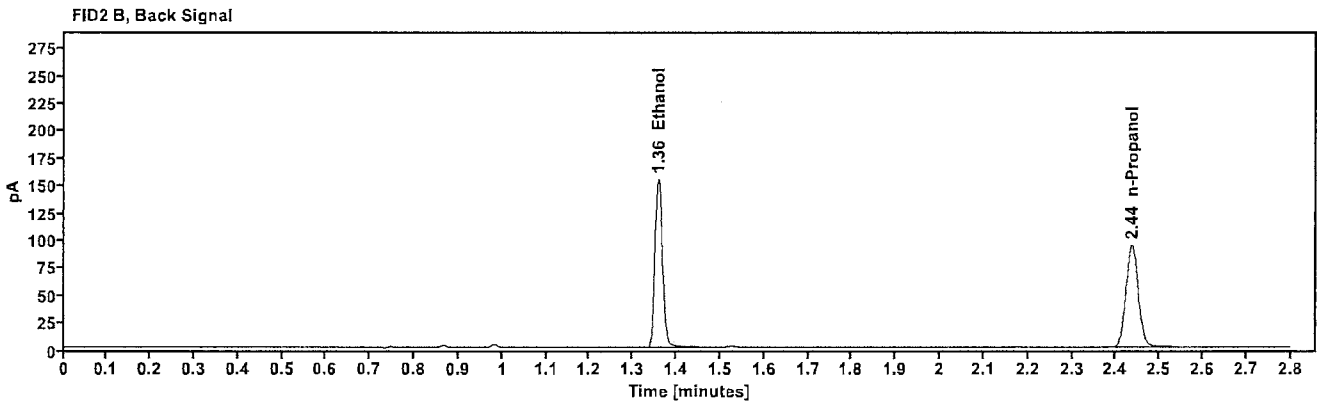
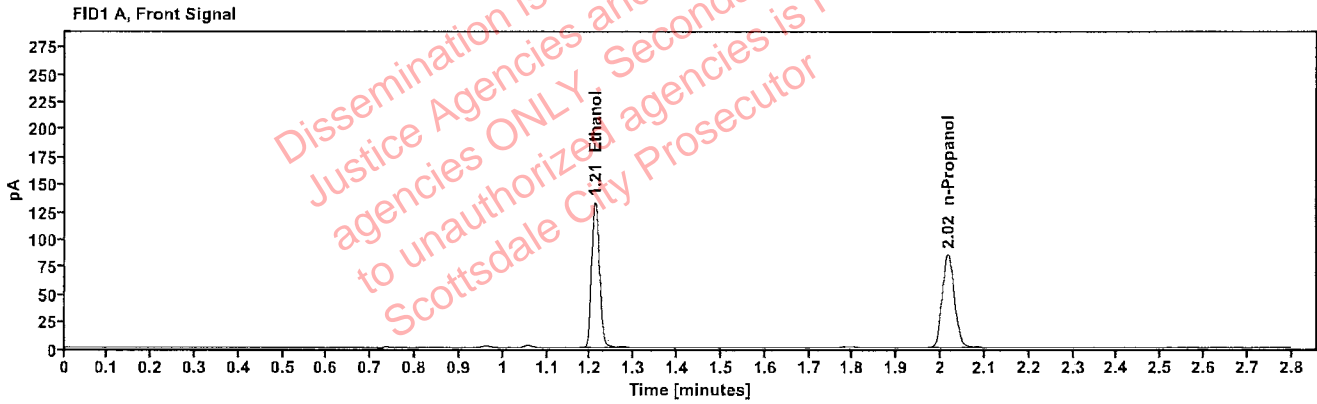


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2602	1.210	170.140
n-Propanol	---	2.016	170.260

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

Compound	Time (min)	Peak Area
Ethanol	1.358	186.888
n-Propanol	2.436	184.960

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2308294-4	Vial:	36
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:21:10 PM
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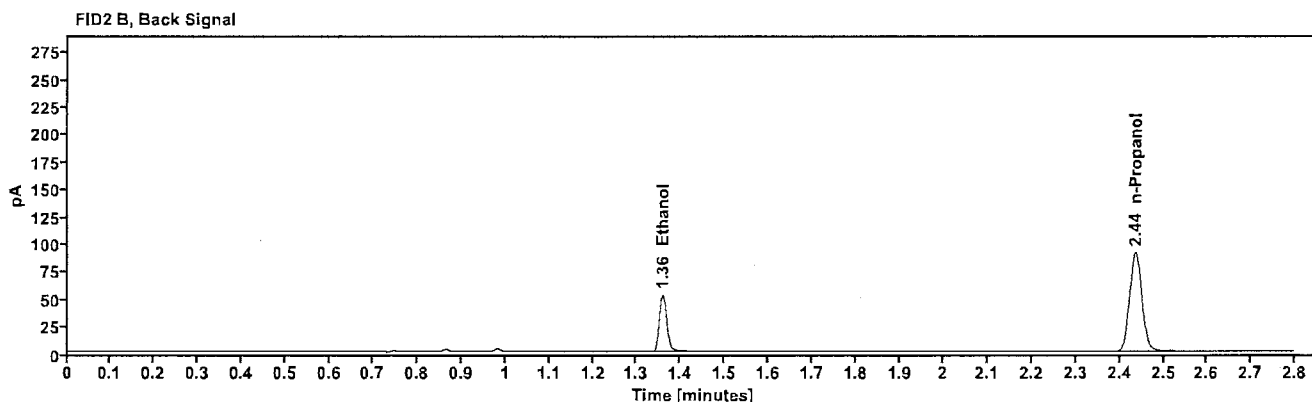
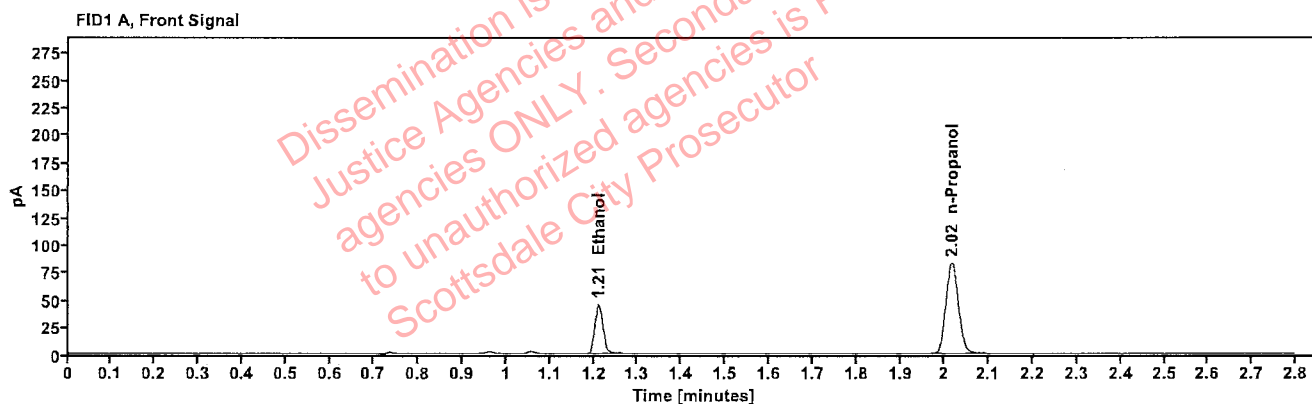


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0926	1.211	58.036
n-Propanol	-----	2.016	165.170

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

Compound	Time (min)	Peak Area
Ethanol	1.358	63.362
n-Propanol	2.436	179.743

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2308294-4	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:25:24 PM
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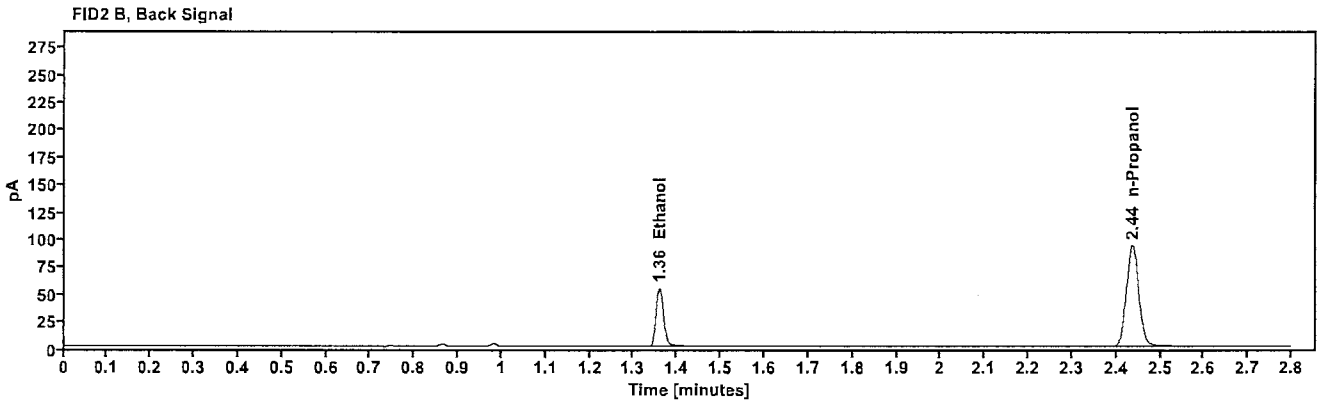
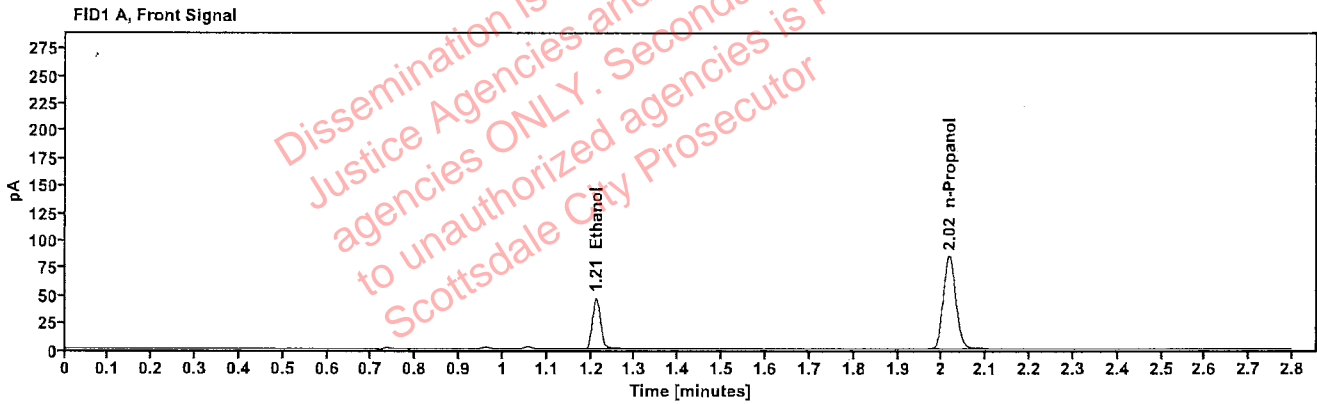


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0932	1.211	59.707
n-Propanol	-----	2.016	168.867

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

Compound	Time (min)	Peak Area
Ethanol	1.359	65.016
n-Propanol	2.437	183.600

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307983-1	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:29:24 PM
Data file:	C:\Chem32\1\Data\25Apr23\38.D	Analyst:	Abbott

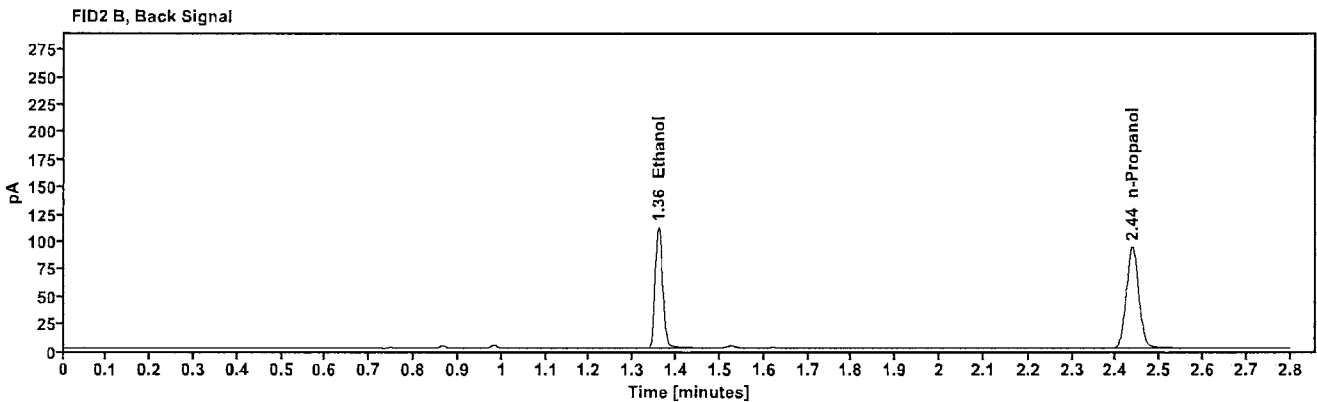
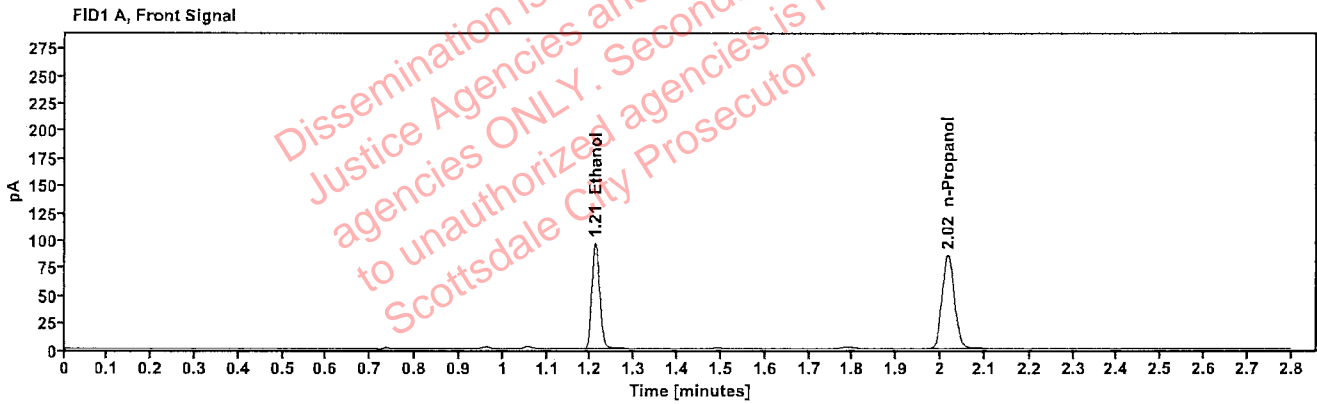


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1892	1.211	123.431
n-Propanol	-----	2.017	170.293

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

Compound	Time (min)	Peak Area
Ethanol	1.359	135.117
n-Propanol	2.437	185.113

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307983-1	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:33:24 PM
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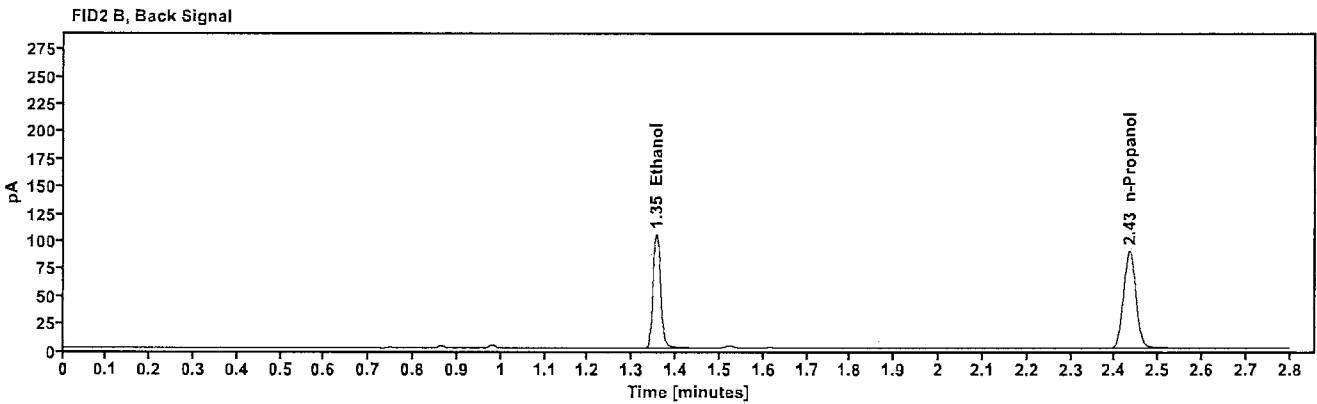
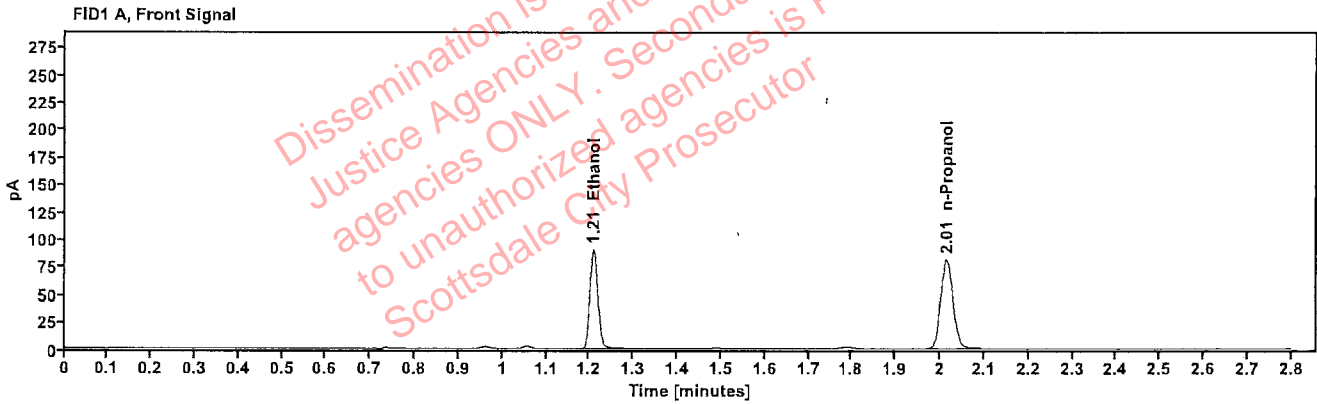


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1845	1.208	114.666
n-Propanol	---	2.014	162.304

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

Compound	Time (min)	Peak Area
Ethanol	1.355	125.510
n-Propanol	2.433	176.599

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN07022010	Vial:	40
Description:	Cerilliant, 0.150	LIMS ID:	verification
Method:	ethanol quant.M	Sequence:	25Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/25/2023 5:37:25 PM
Data file:	C:\Chem32\1\Data\25Apr23\40.D	Analyst:	Abbott <i>JA</i>

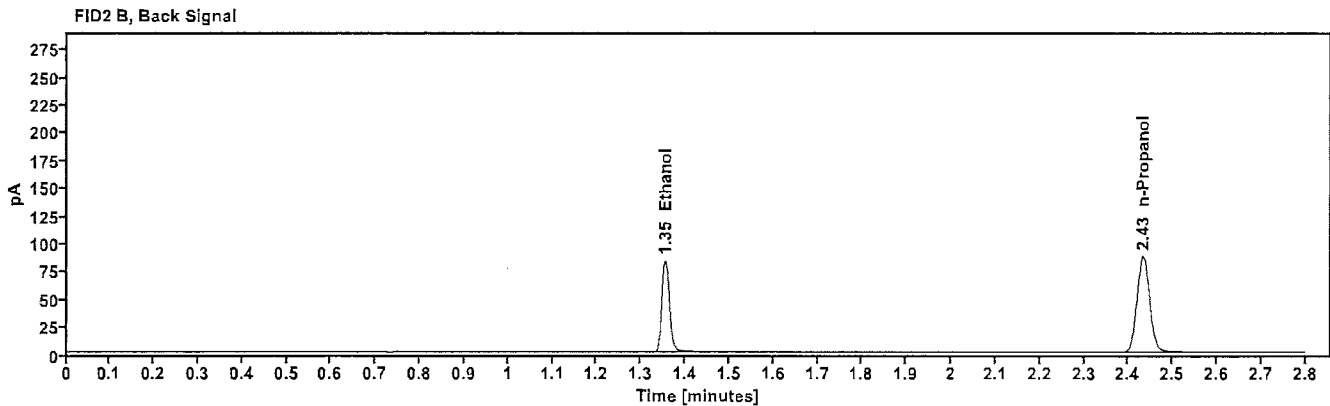
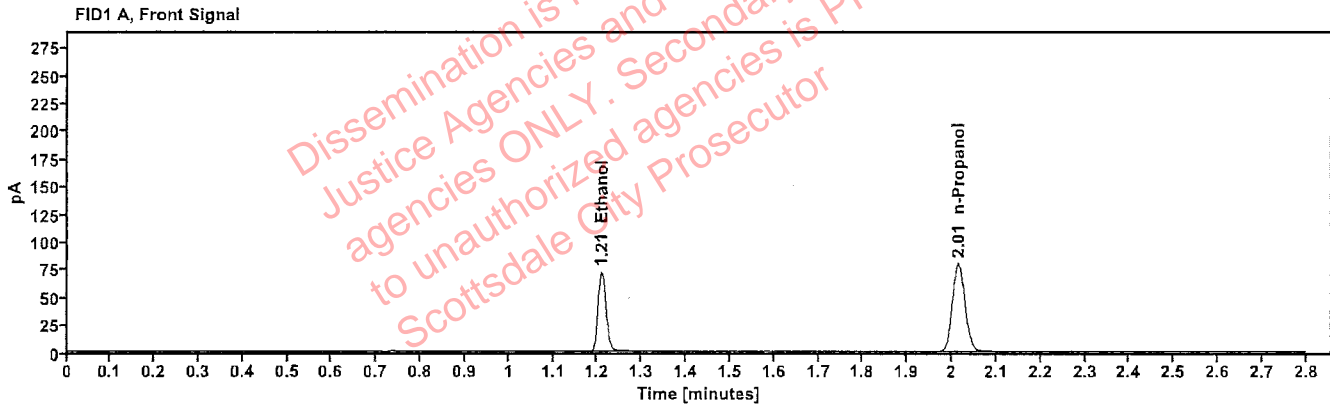


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1501	1.208	91.064
n-Propanol	-----	2.014	158.816

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

Compound	Time (min)	Peak Area
Ethanol	1.354	99.870
n-Propanol	2.433	173.003

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN07022010	Vial: 41
Description: Cerilliant, 0.150	LIMS ID: verification
Method: ethanol quant.M	Sequence: 25Apr23
Instrument: US14173023 CN14160045	Injection date: 4/25/2023 5:41:25 PM
Data file: C:\Chem32\1\Data\25Apr23\41.D	Analyst: Abbott

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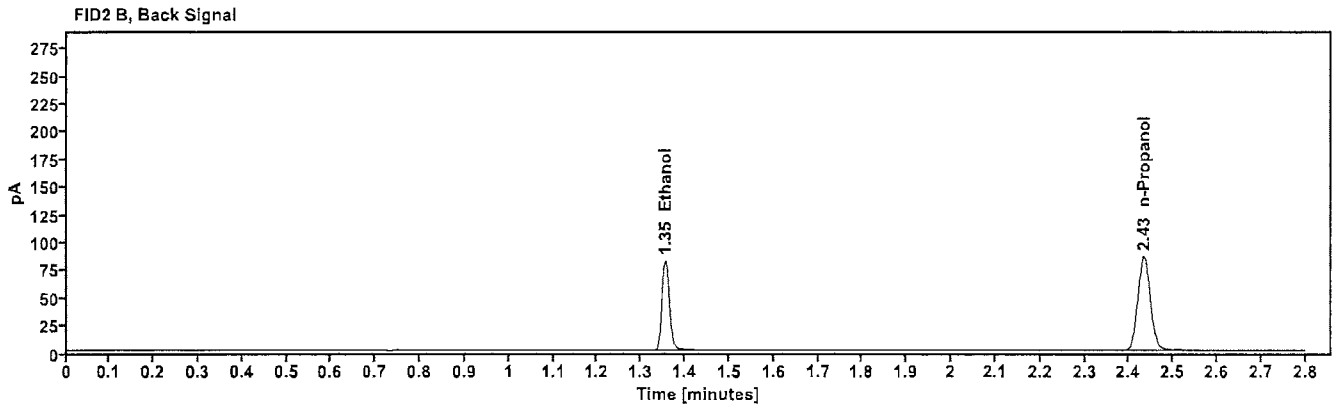
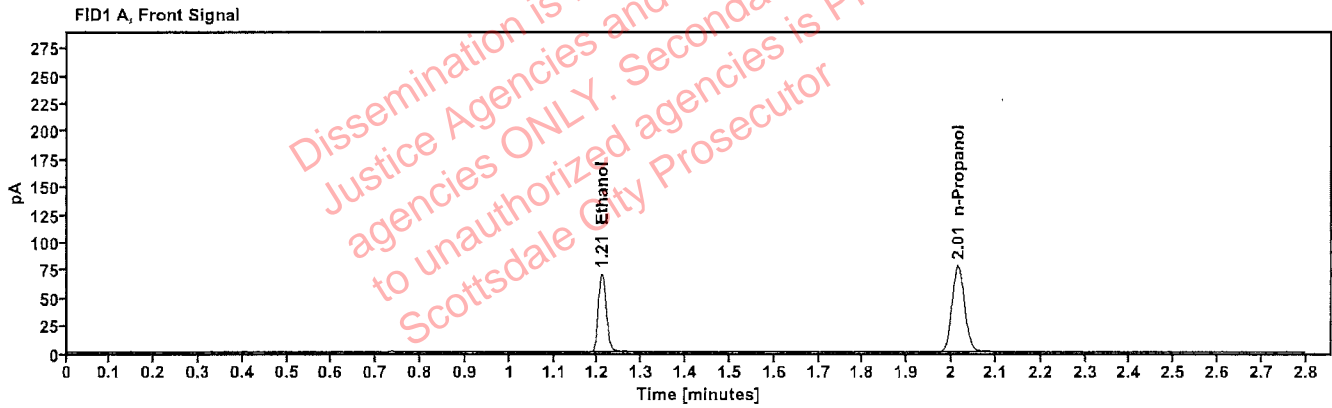


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1504	1.209	89.527
n-Propanol	-----	2.014	155.765

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

Compound	Time (min)	Peak Area
Ethanol	1.355	97.895
n-Propanol	2.433	169.746