

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 08/02/2022 SEQUENCE NAME 02Aug22

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 0.99995
 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 070622AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/8
45	Blank	Not detected	Not detected	SPD lab 101921WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid [Signature]
 Run invalid
 Analyst

Run valid [Signature]
 Run invalid
 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

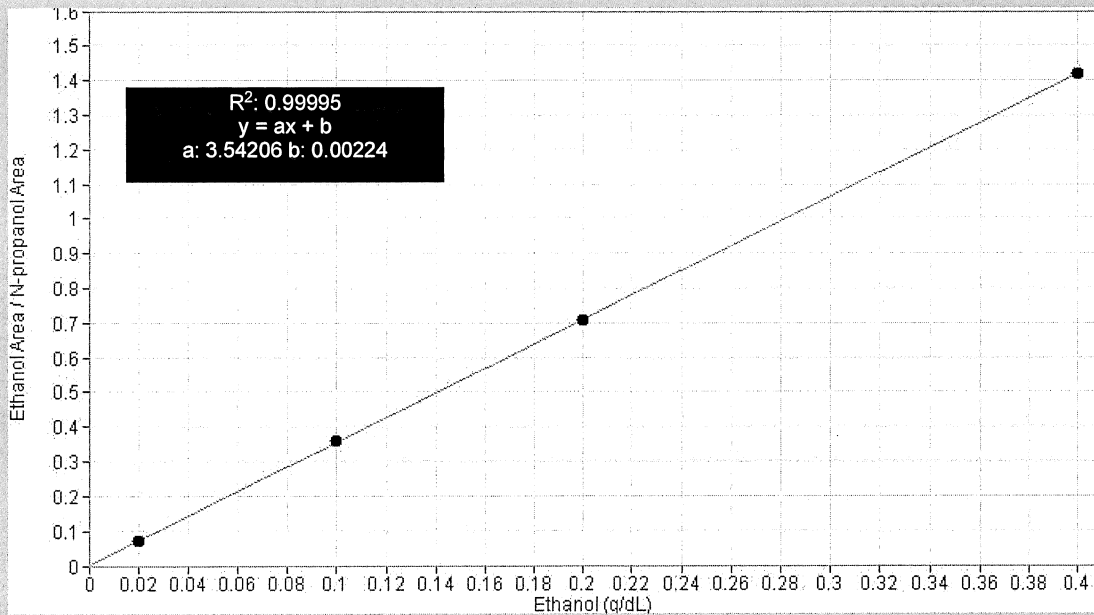
SEQUENCE NAME: 02Aug22

ANALYST: Abbott Jh

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 070622AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.403	0.400	0.75	0.003
0.040 14082019-B	8	0.039	0.040	2.50	-0.001
0.199 4110320133/8	9	0.202	0.199	1.51	0.003
0.080 20012020-B	20	0.079	0.080	1.25	-0.001
0.080 20012020-B	31	0.079	0.080	1.25	-0.001
0.400 11092018-A	42	0.403	0.400	0.75	0.003
0.040 14082019-B	43	0.039	0.040	2.50	-0.001
0.199 4110320133/8	44	0.203	0.199	2.01	0.004
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.709	165.103	0.071
0.100	61.316	169.358	0.362
0.200	116.950	165.569	0.706
0.400	236.311	166.426	1.420

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN10051909	Vial:	1
Description:	0.020 calibrator	Sequence:	02Aug22
Method:	ethanol quant.M	Injection date:	8/2/2022 11:47:37 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>JA</i>
Data file:	C:\Chem32\1\Data\02Aug22\1.D		

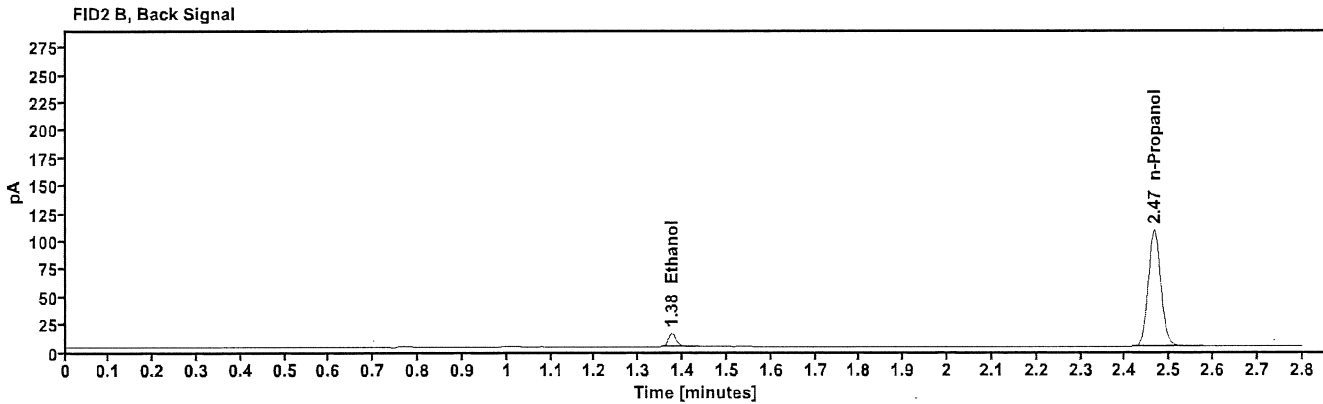
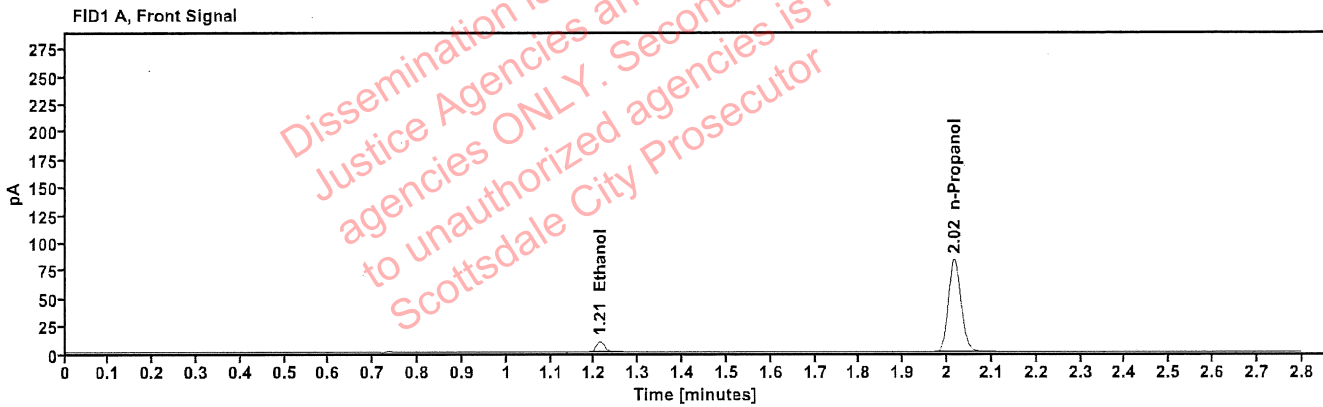


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.709
n-Propanol	2.016	165.103

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.900
n-Propanol	2.466	210.473

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05311902	Vial: 2
Description: 0.100 calibrator	Sequence: 02Aug22
Method: ethanol quant.M	Injection date: 8/2/2022 11:51:38 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>DA</i>
Data file: C:\Chem32\1\Data\02Aug22\2.D	

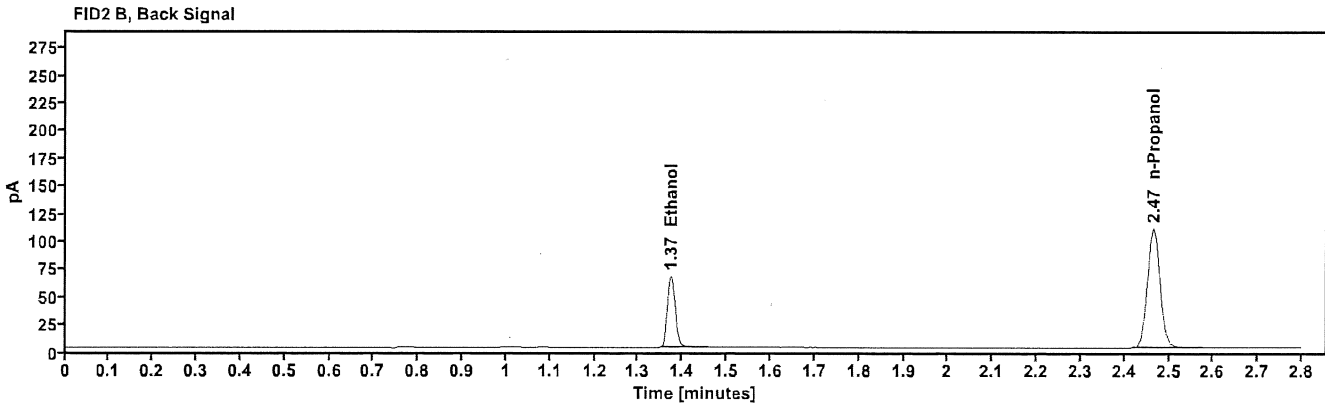
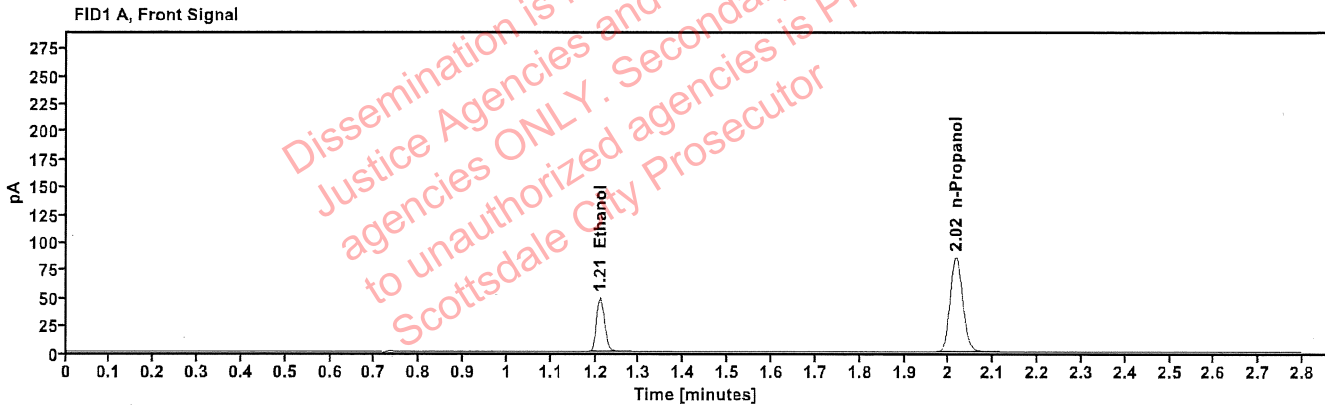


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	61.316
n-Propanol	2.016	169.358

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

Compound	Time (min)	Peak Area
Ethanol	1.374	78.192
n-Propanol	2.466	215.635

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN02052101	Vial:	3
Description:	0.200 calibrator	Sequence:	02Aug22
Method:	ethanol quant.M	Injection date:	8/2/2022 11:55:37 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott JL
Data file:	C:\Chem32\1\Data\02Aug22\3.D		

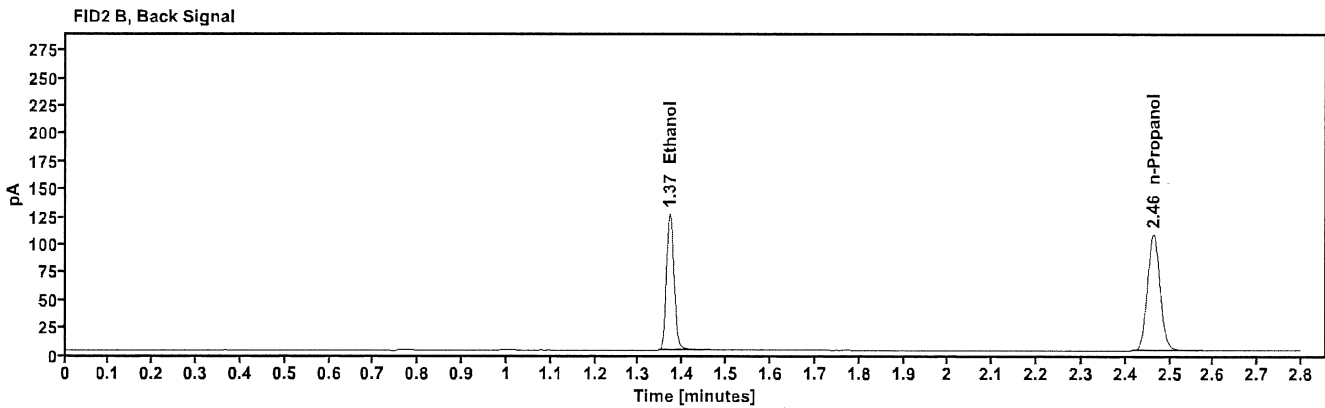
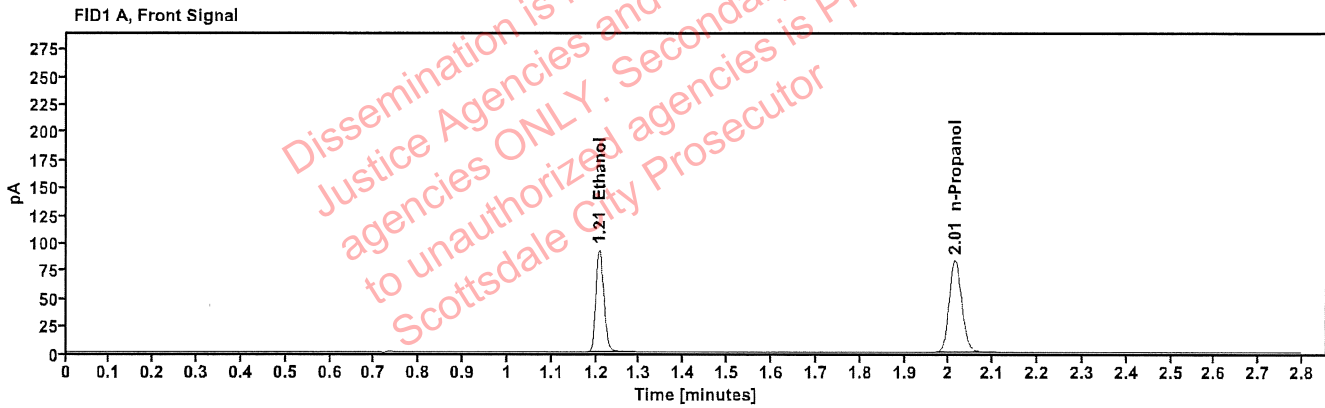


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	116.950
n-Propanol	2.014	165.569

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

Compound	Time (min)	Peak Area
Ethanol	1.370	149.346
n-Propanol	2.463	210.979

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	02Aug22
Method:	ethanol quant.M	Injection date:	8/2/2022 11:59:38 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\02Aug22\4.D		

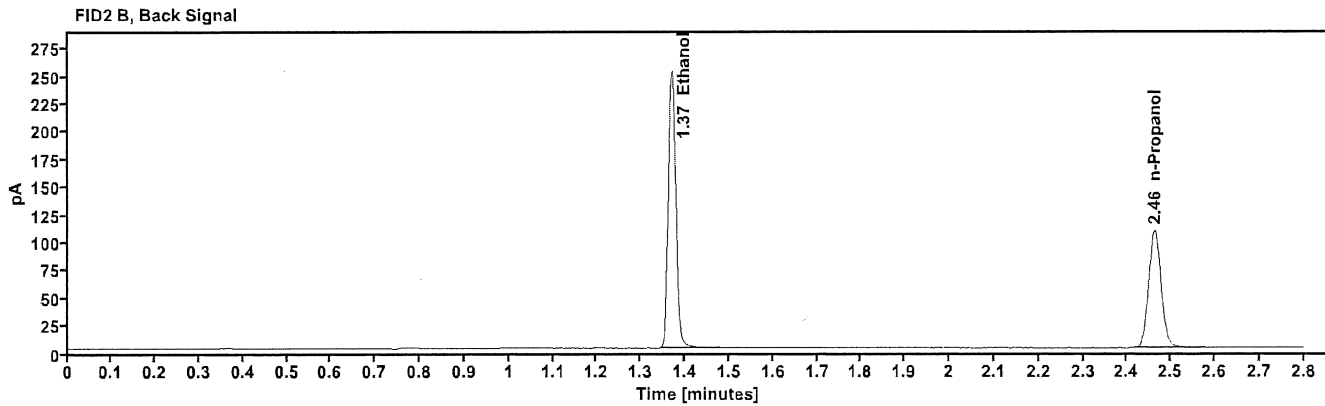
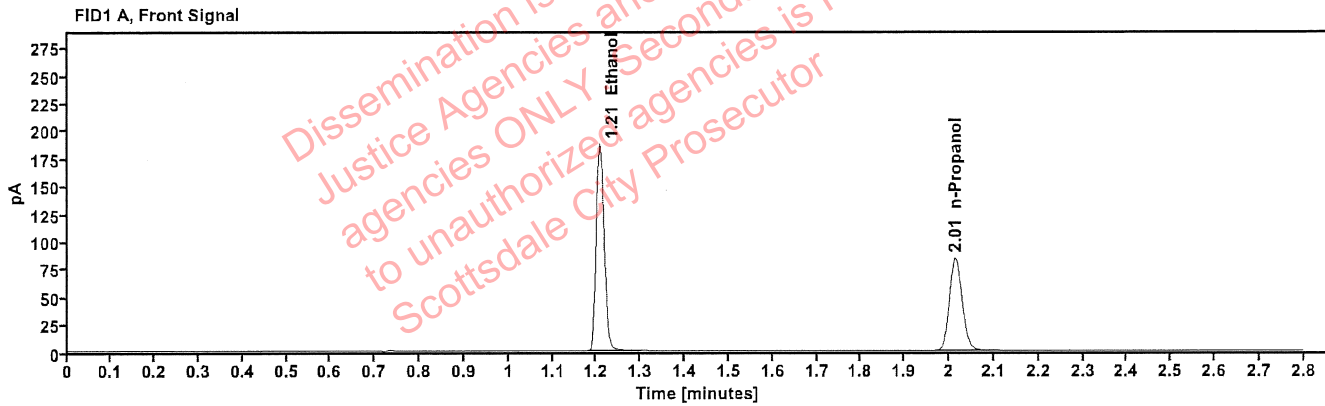


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	236.311
n-Propanol	2.014	166.426

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

Compound	Time (min)	Peak Area
Ethanol	1.370	302.334
n-Propanol	2.463	212.095

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070622AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 02Aug22
Instrument: US14173023 CN14160045	Injection date: 8/2/2022 12:03:38 PM
Data file: C:\Chem32\1\Data\02Aug22\5.D	Analyst: Abbott DB

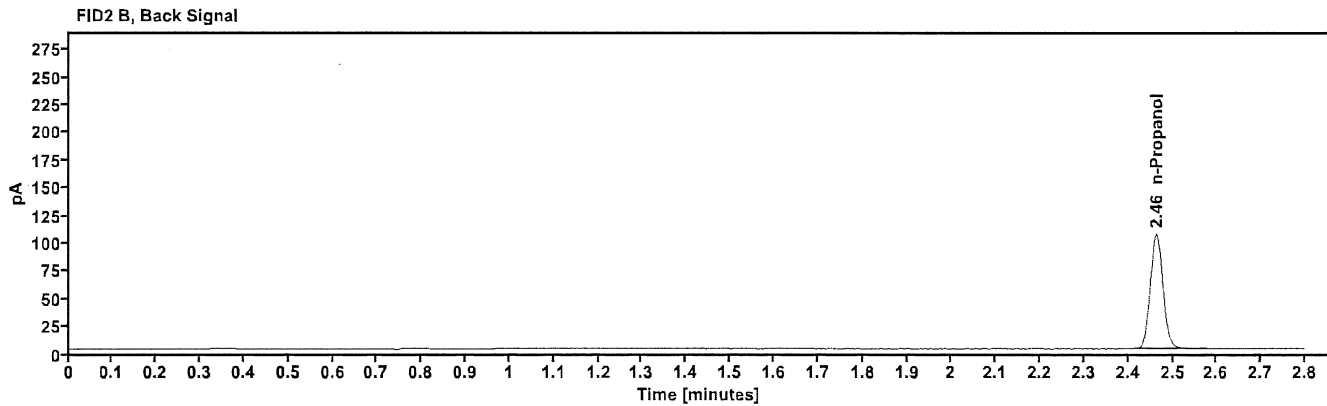
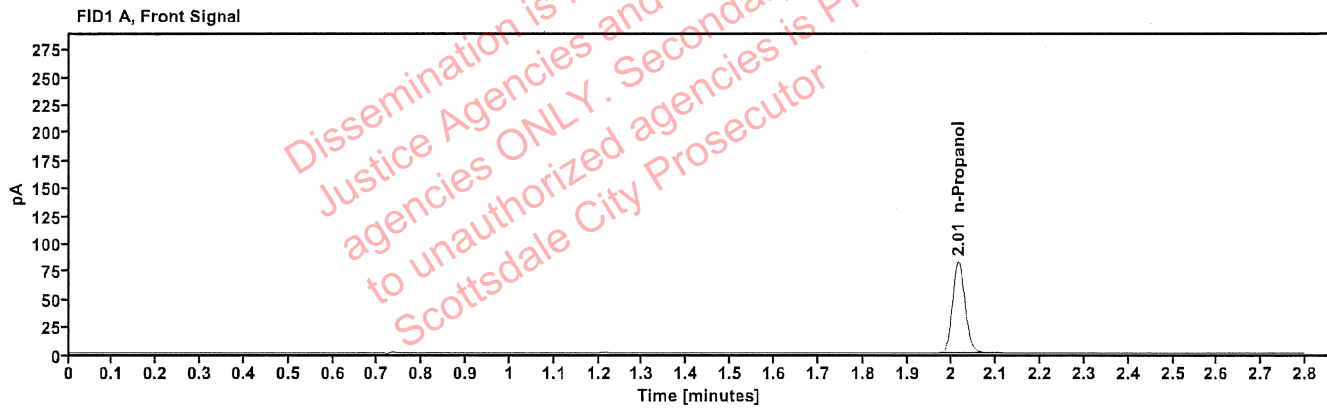


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	163.297

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

Compound	Time (min)	Peak Area
n-Propanol	2.464	208.085

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 02Aug22
Instrument: US14173023 CN14160045	Injection date: 8/2/2022 12:07:38 PM
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JA

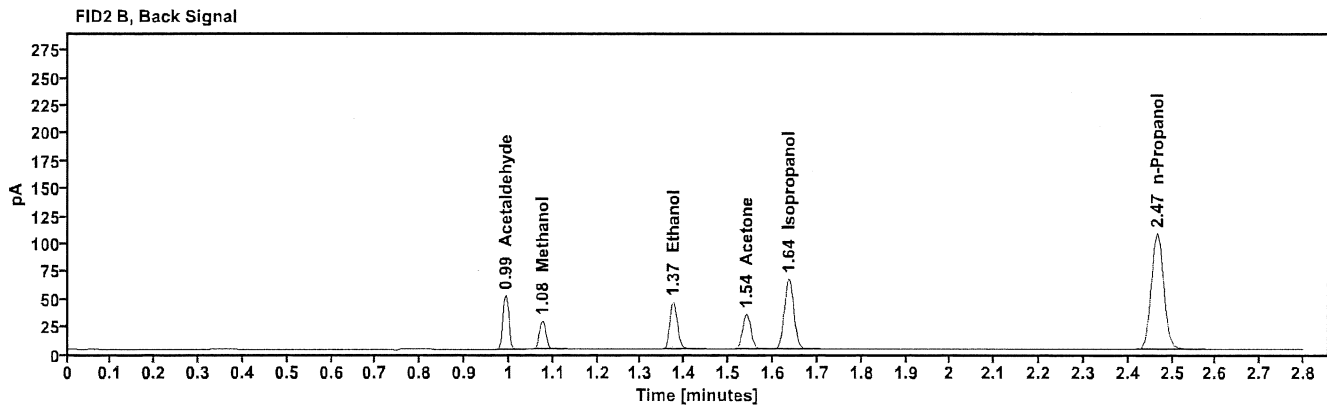
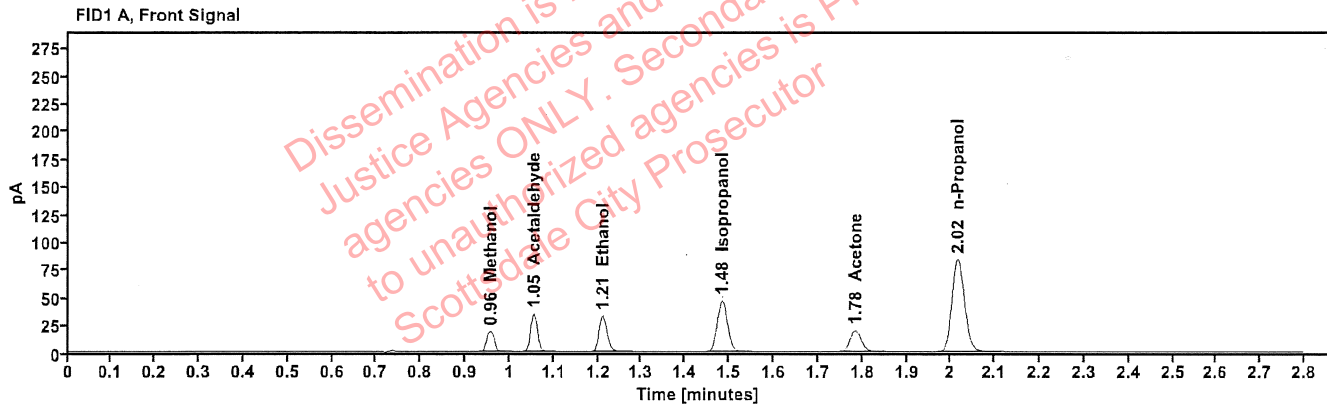


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	20.603
Acetaldehyde	-----	1.055	36.819
>Ethanol	0.0691	1.211	40.871
Isopropanol	-----	1.484	73.222
Acetone	-----	1.784	32.839
n-Propanol	-----	2.016	165.588

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	47.567
Methanol	1.075	26.730
Ethanol	1.374	52.130
Acetone	1.540	41.615
Isopropanol	1.635	94.834
n-Propanol	2.466	210.822

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 02Aug22
Instrument: US14173023 CN14160045	Injection date: 8/2/2022 12:11:53 PM
Data file: C:\Chem32\1\Data\02Aug22\7.D	Analyst: Abbott <i>JA</i>

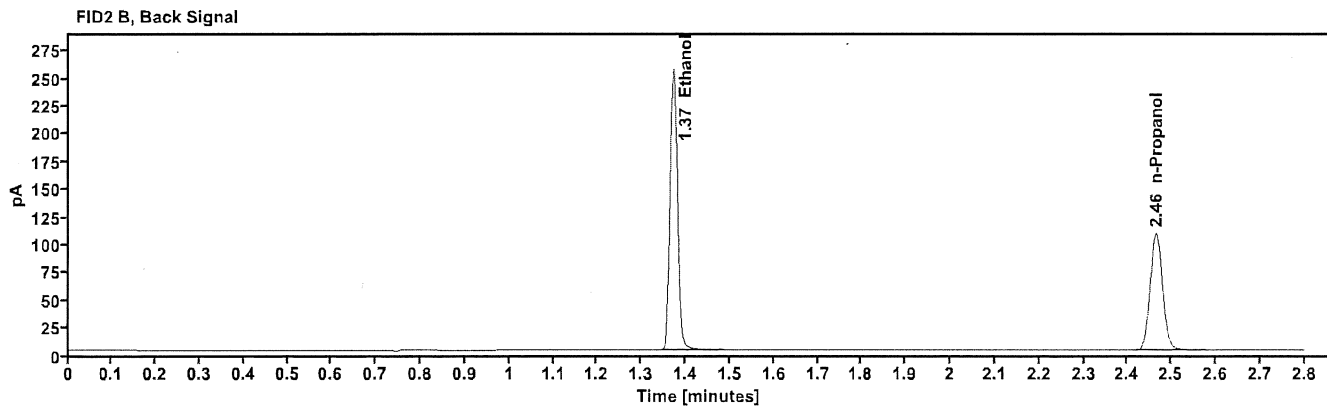
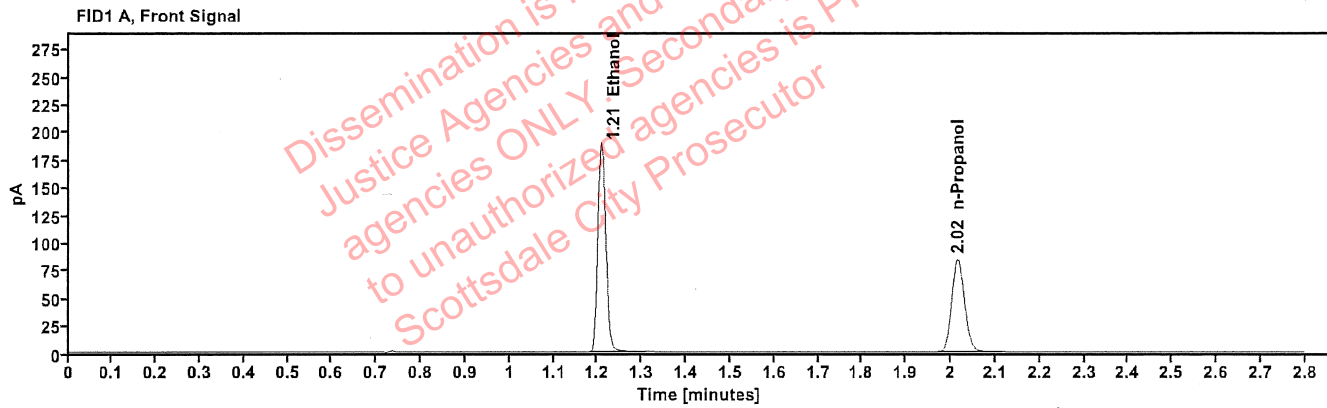


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4037	1.208	239.017
n-Propanol	-----	2.015	166.887

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

Compound	Time (min)	Peak Area
Ethanol	1.372	305.999
n-Propanol	2.465	212.459

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:15:52 PM
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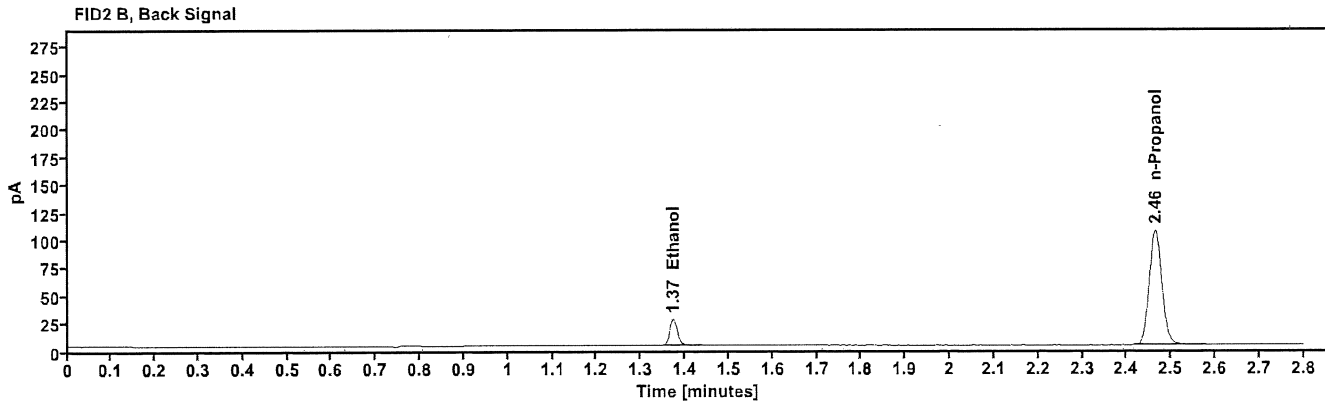
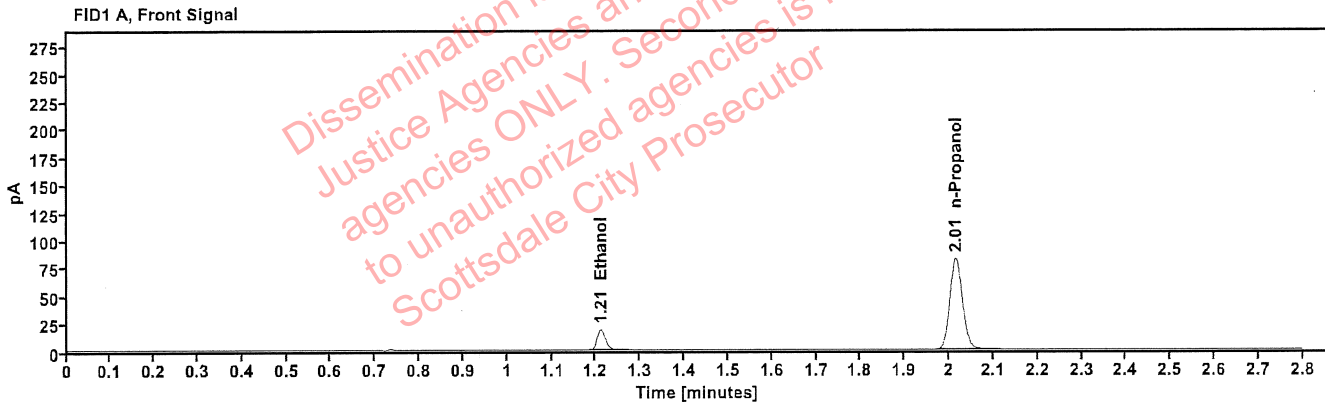


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0395	1.210	23.256
n-Propanol	-----	2.015	163.713

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

Compound	Time (min)	Peak Area
Ethanol	1.373	29.487
n-Propanol	2.464	208.587

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:19:52 PM
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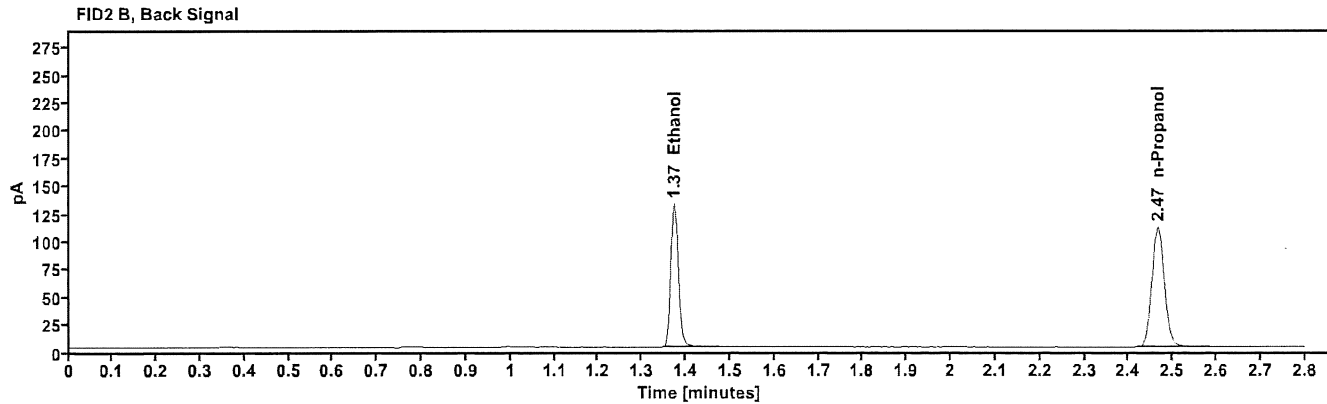
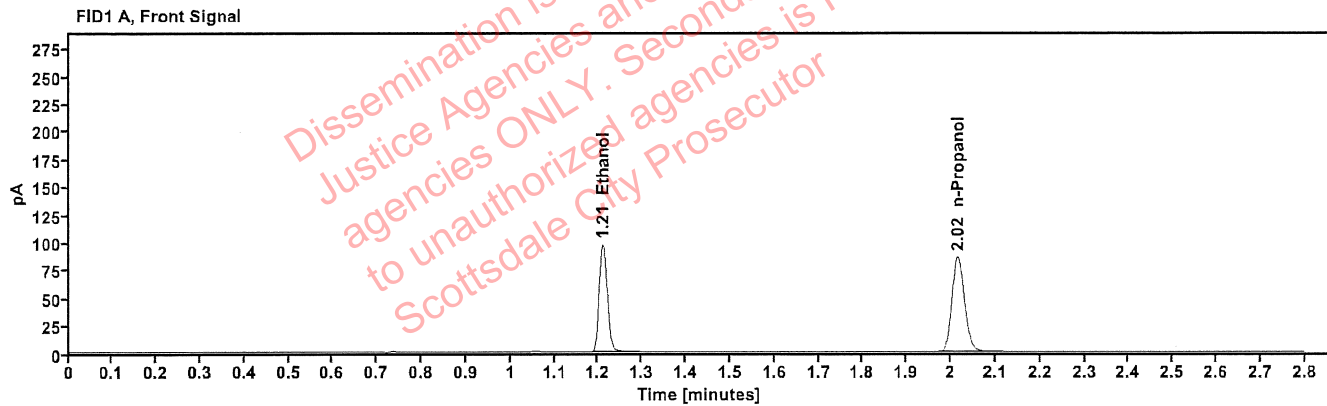


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2027	1.210	122.672
n-Propanol	-----	2.016	170.359

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

Compound	Time (min)	Peak Area
Ethanol	1.374	156.992
n-Propanol	2.466	217.163

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:04:22 PM
Data file:	C:\Chem32\1\Data\02Aug22\20.D	Analyst:	Abbott

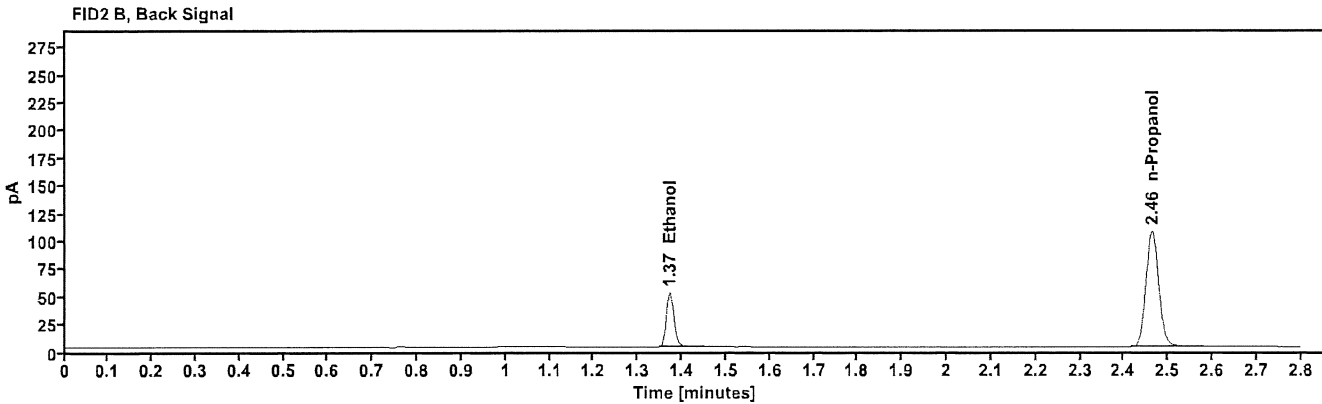
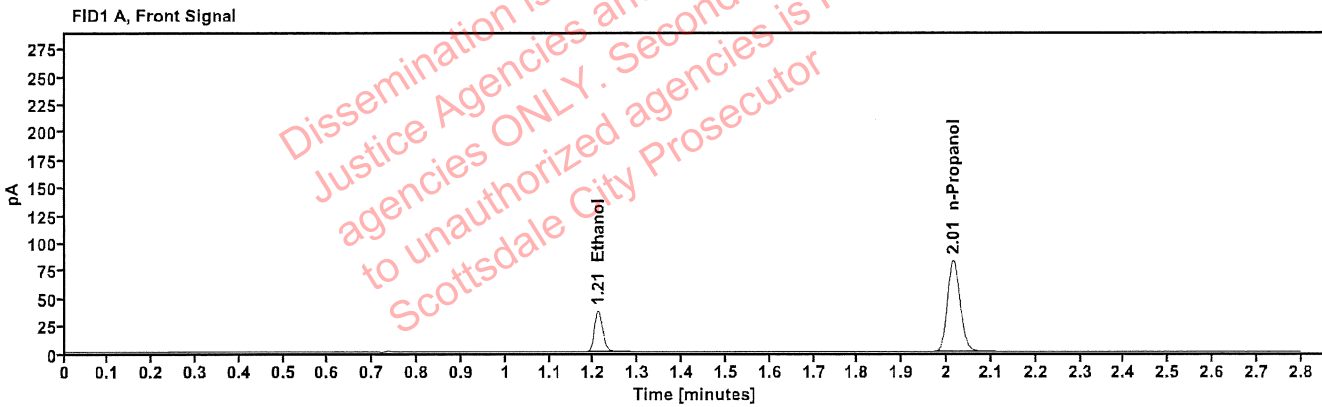


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0794	1.209	46.849
n-Propanol	---	2.015	165.197

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

Compound	Time (min)	Peak Area
Ethanol	1.372	59.735
n-Propanol	2.464	210.539

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:48:52 PM
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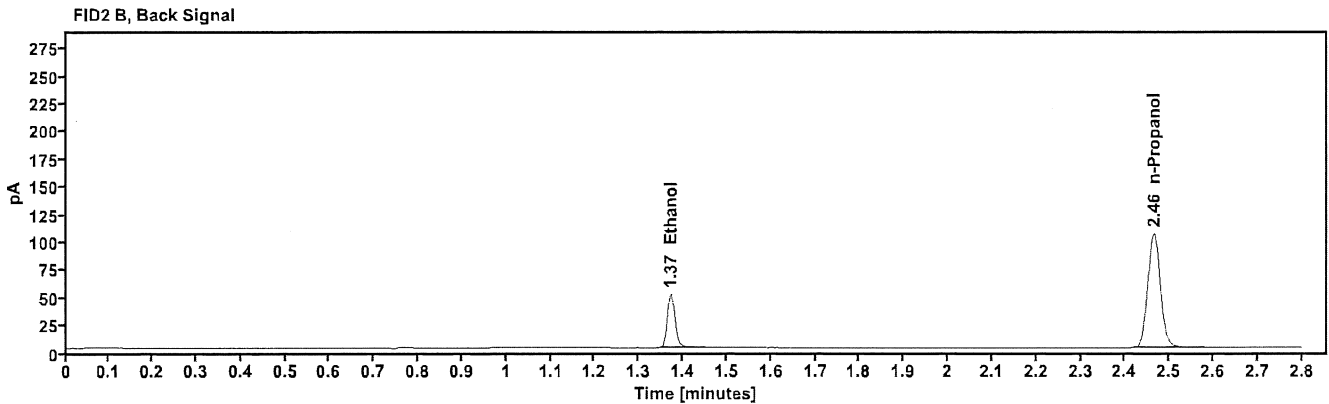
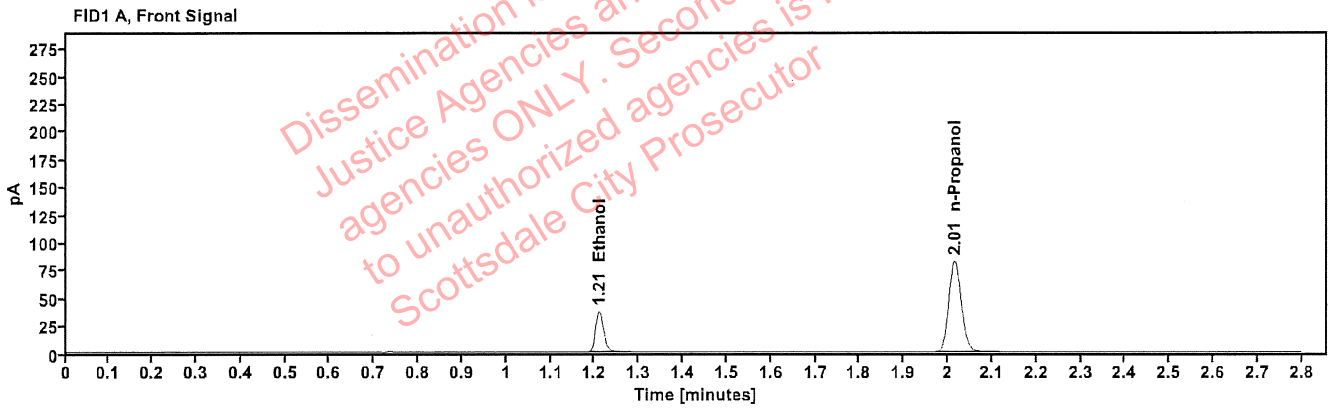


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0797	1.210	46.522
n-Propanol	-----	2.015	163.500

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

Compound	Time (min)	Peak Area
Ethanol	1.372	59.275
n-Propanol	2.465	208.111

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:33:07 PM
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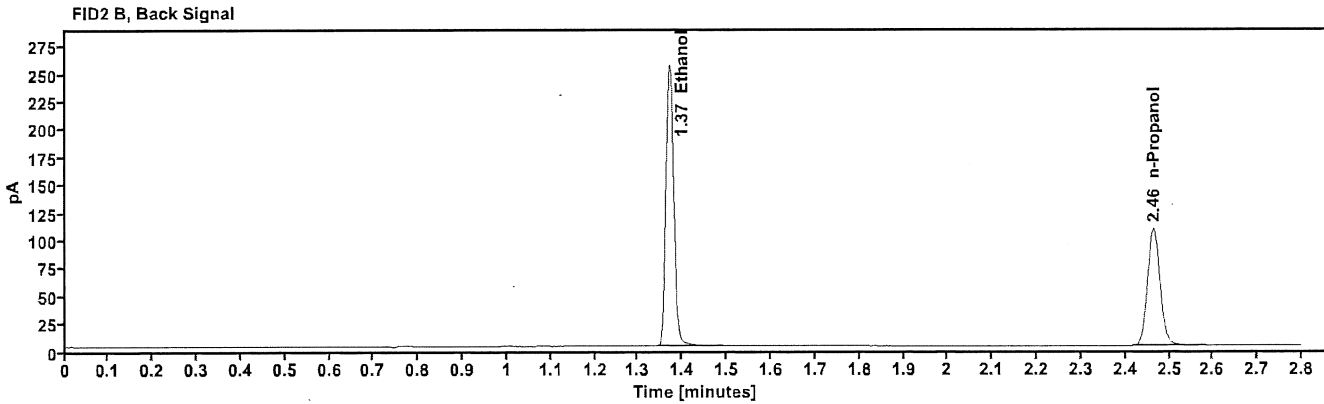
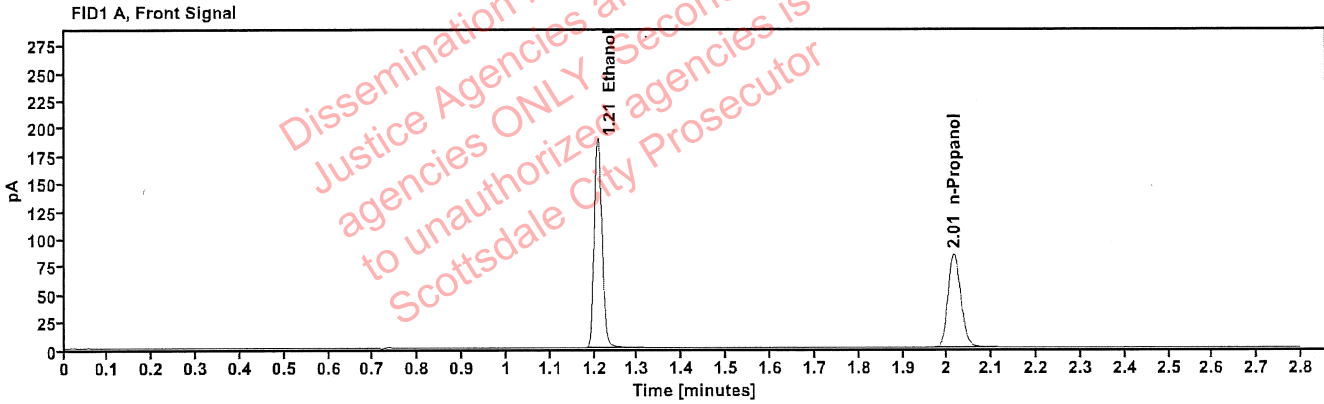


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4035	1.208	239.842
n-Propanol	-----	2.015	167.535

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

Compound	Time (min)	Peak Area
Ethanol	1.371	307.434
n-Propanol	2.464	213.711

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:37:23 PM
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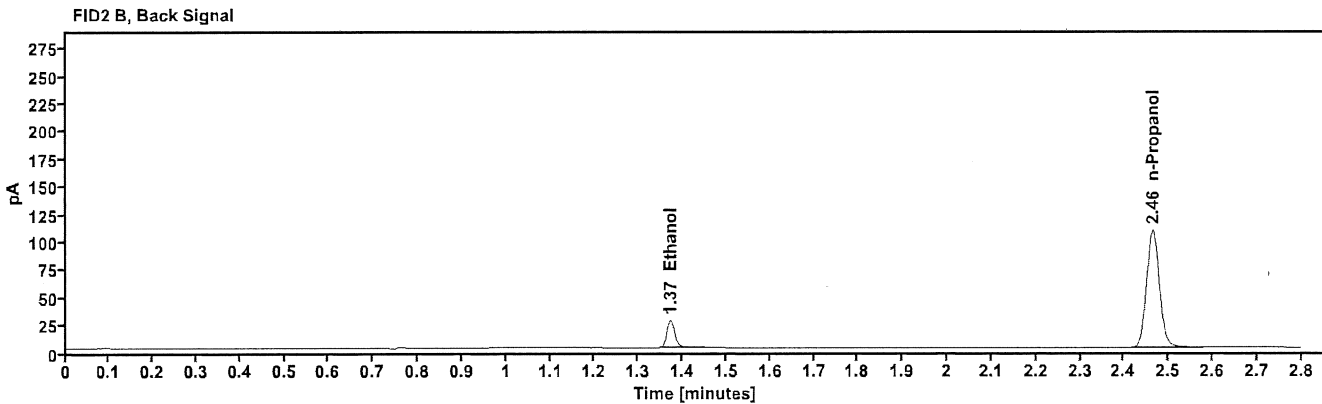
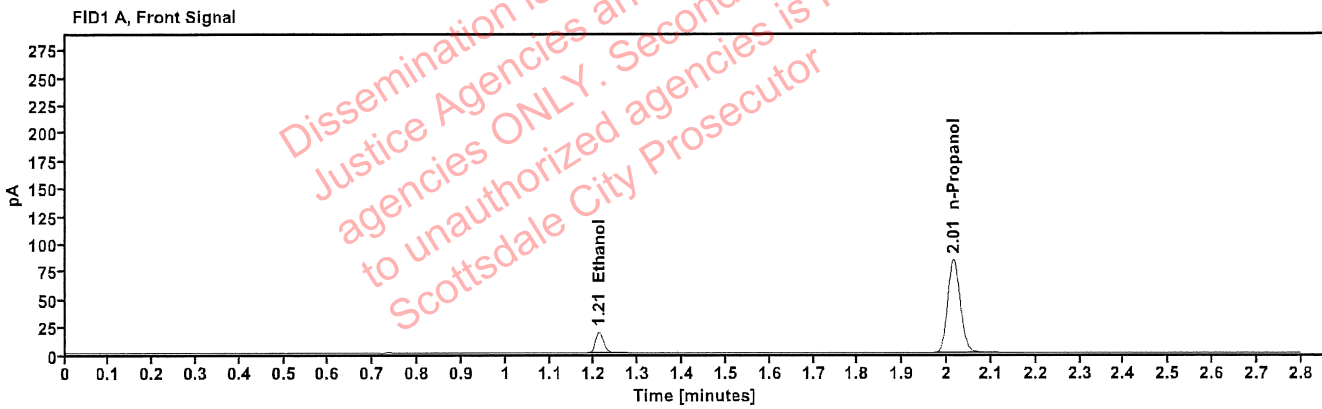


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0396	1.210	23.908
n-Propanol	-----	2.015	167.673

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

Compound	Time (min)	Peak Area
Ethanol	1.373	30.526
n-Propanol	2.464	213.444

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:41:22 PM
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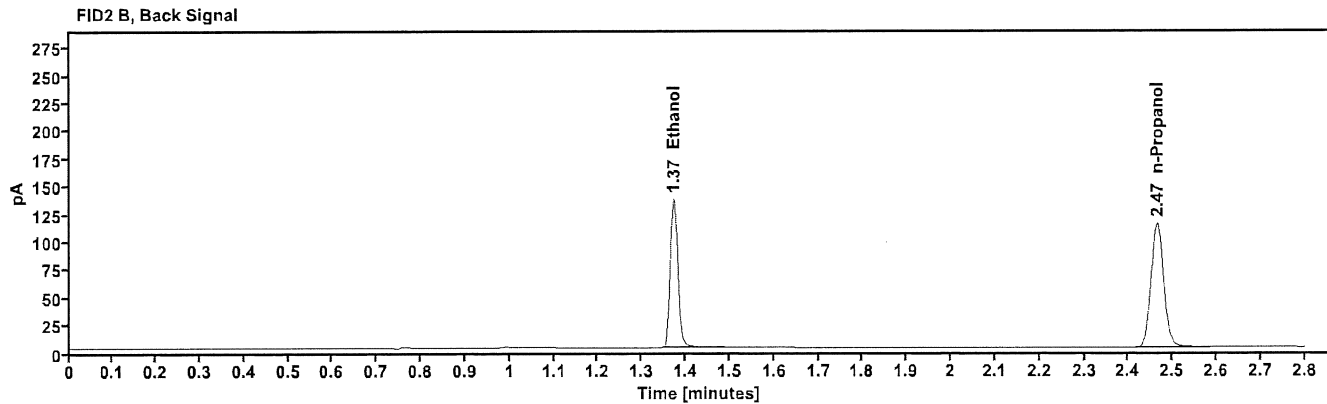
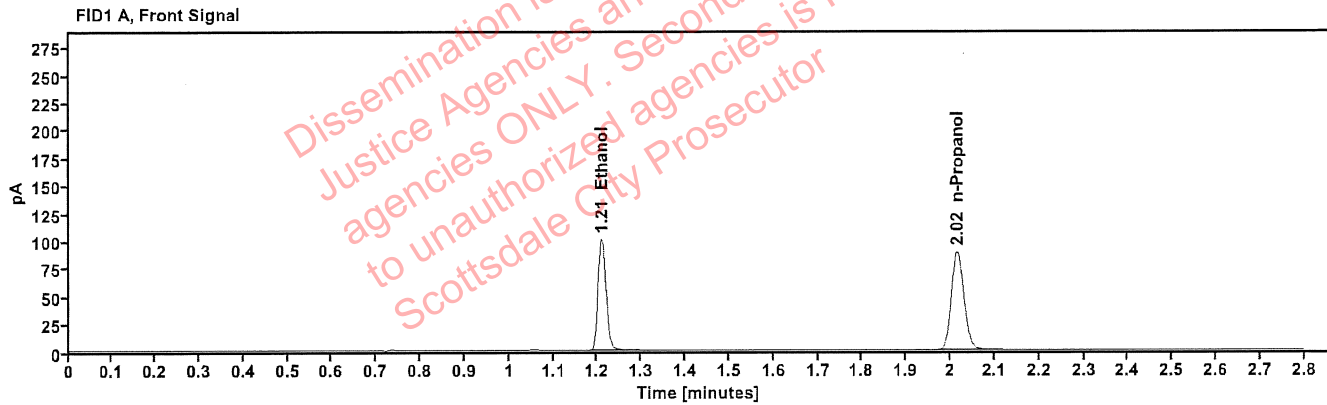


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2030	1.209	127.631
n-Propanol	-----	2.015	176.989

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

Compound	Time (min)	Peak Area
Ethanol	1.372	163.740
n-Propanol	2.465	225.514

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:45:22 PM
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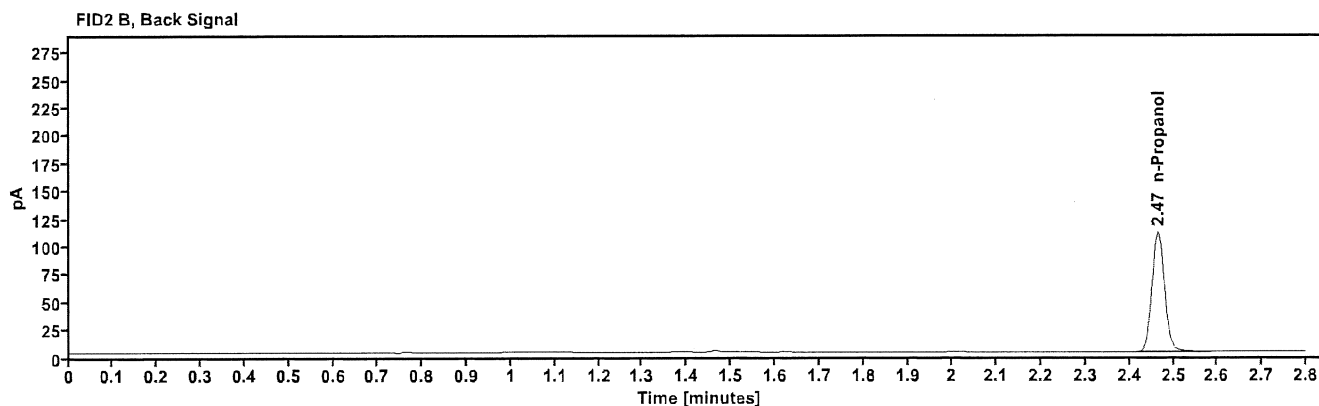
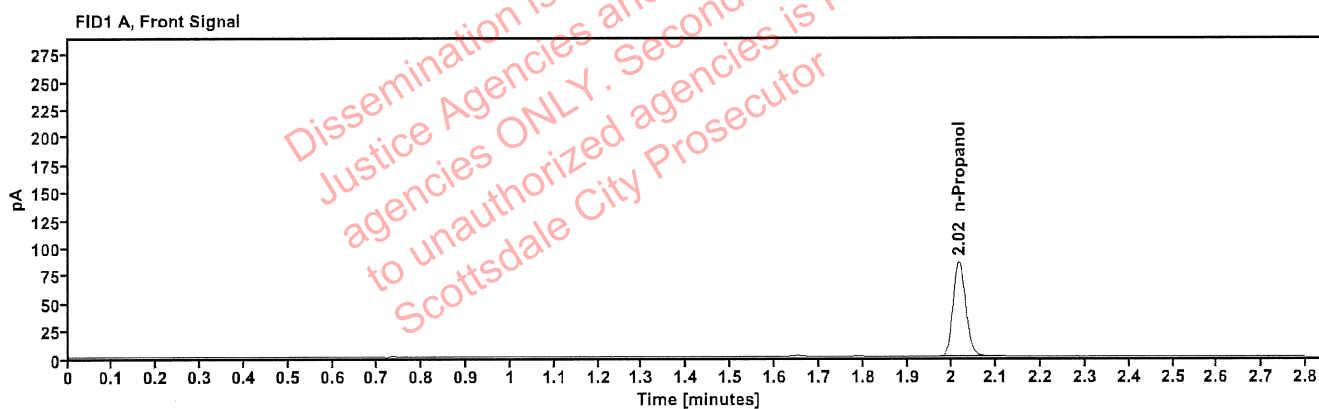


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	170.293

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	217.525

Sequence Summary

Sequence name: 02Aug22 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	070622AQ	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/8	0.199	Control		ethanol quant.M
10	956821		Sample		ethanol quant.M
11	956821		Sample		ethanol quant.M
12	1431676		Sample		ethanol quant.M
13	1431676		Sample		ethanol quant.M
14	1431893		Sample		ethanol quant.M
15	1431893		Sample		ethanol quant.M
16	1431886		Sample		ethanol quant.M
17	1431886		Sample		ethanol quant.M
18	38401NV		Sample		ethanol quant.M
19	38401NV		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	32701LN		Sample		ethanol quant.M
22	32701LN		Sample		ethanol quant.M
23	32701DH		Sample		ethanol quant.M
24	32701DH		Sample		ethanol quant.M
25	40501ES		Sample		ethanol quant.M
26	40501ES		Sample		ethanol quant.M
27	40701AL		Sample		ethanol quant.M
28	40701AL		Sample		ethanol quant.M
29	1429820		Sample		ethanol quant.M
30	1429820		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1431941		Sample		ethanol quant.M
33	1431941		Sample		ethanol quant.M
34	1431974		Sample		ethanol quant.M
35	1431974		Sample		ethanol quant.M
36	1402721		Sample		ethanol quant.M
37	1402721		Sample		ethanol quant.M
38	1431797		Sample		ethanol quant.M
39	1431797		Sample		ethanol quant.M
40	1432257		Sample		ethanol quant.M
41	1432257		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/8	0.199	Control		ethanol quant.M
45	101921WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 02Aug22

ANALYST: Abbott *AK*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2124	0.2116	0.21200	0.19	0.00040
12 13	0.0731	0.0733	0.07320	0.14	0.00010
14 15	0.2662	0.2686	0.26740	0.45	0.00120
16 17	0.2653	0.2651	0.26520	0.04	0.00010
18 19	0.1658	0.1663	0.16605	0.15	0.00025
21 22	0.0653	0.0650	0.06515	0.23	0.00015
23 24	0.0649	0.0646	0.06475	0.23	0.00015
25 26	0.2443	0.2400	0.24215	0.89	0.00215
27 28	0.1854	0.1858	0.18560	0.11	0.00020
29 30	0.0755	0.0781	0.07680	1.69	0.00130
32 33	0.0691	0.0687	0.06890	0.29	0.00020
34 35	0.1781	0.1782	0.17815	0.03	0.00005
36 37	0.1687	0.1688	0.16875	0.03	0.00005
38 39	0.1004	0.1015	0.10095	0.54	0.00055
40 41	0.1329	0.1361	0.13450	1.19	0.00160

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	956821	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:23:53 PM
Data file:	C:\Chem32\1\Data\02Aug22\10.D	Analyst:	Abbott

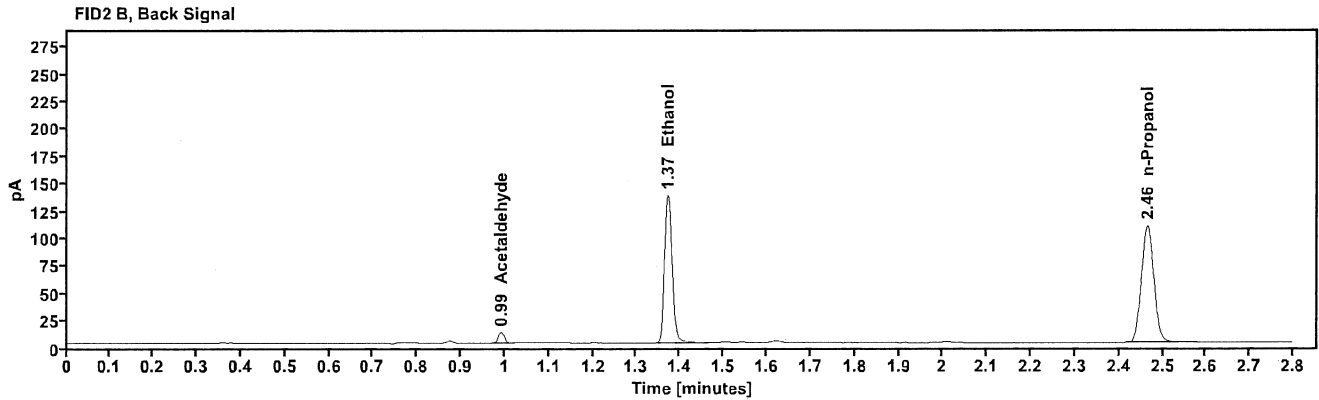
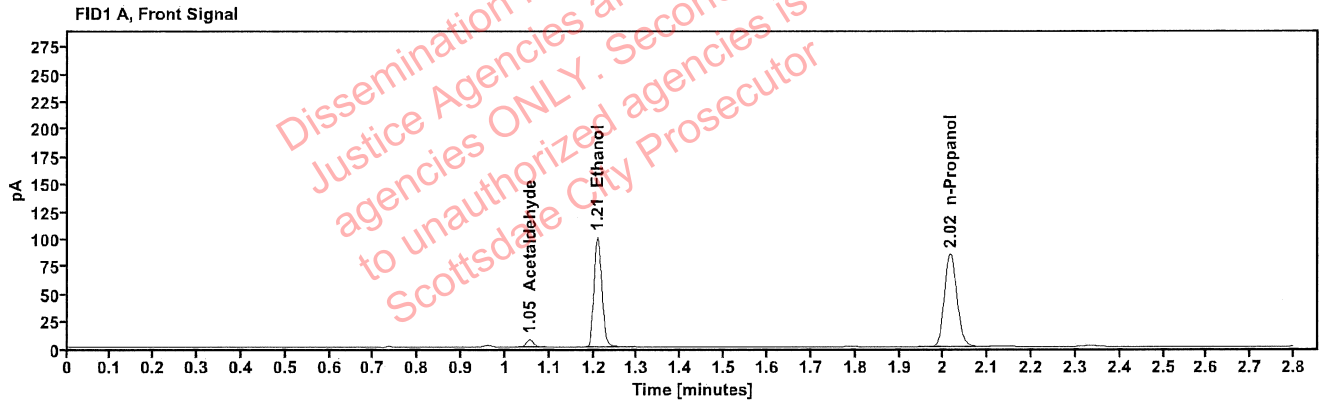


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	7.370
>Ethanol	0.2124	1.209	127.812
n-Propanol	-----	2.015	169.379

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	9.580
Ethanol	1.372	164.905
n-Propanol	2.465	214.938

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	956821	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:27:52 PM
Data file:	C:\Chem32\1\Data\02Aug22\11.D	Analyst:	Abbott

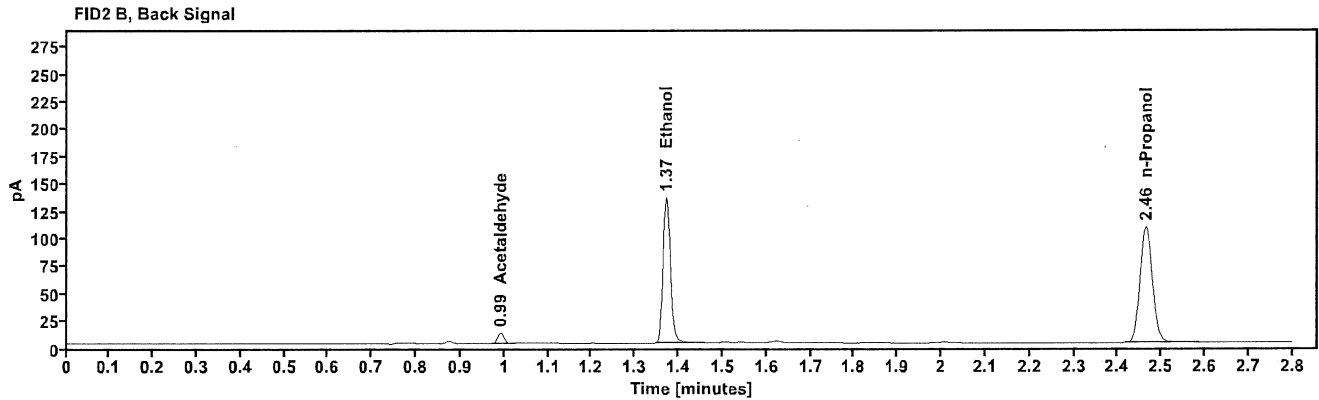
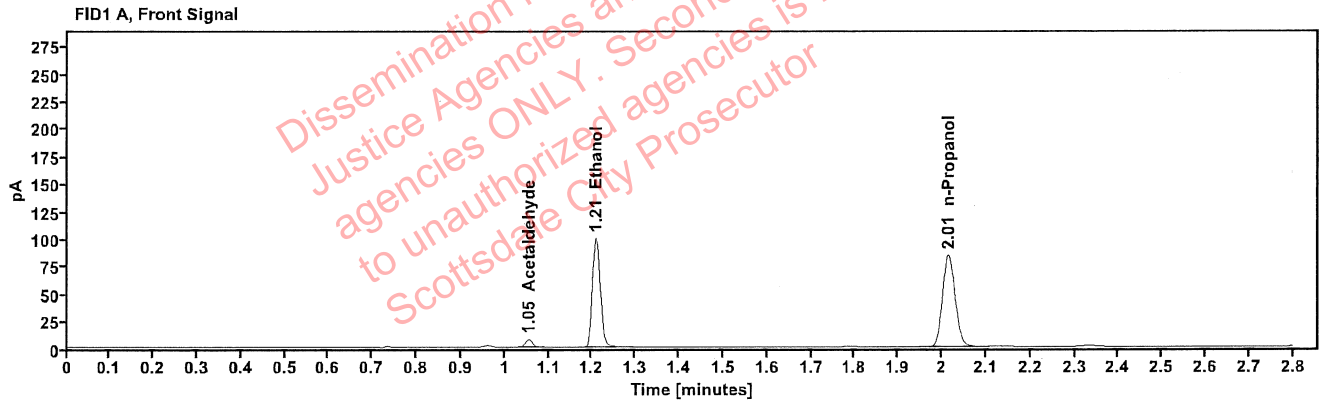


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	7.380
>Ethanol	0.2116	1.209	126.335
n-Propanol	-----	2.015	168.096

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	9.593
Ethanol	1.371	161.736
n-Propanol	2.464	213.545

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431676	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:31:52 PM
Data file:	C:\Chem32\1\Data\02Aug22\12.D	Analyst:	Abbott

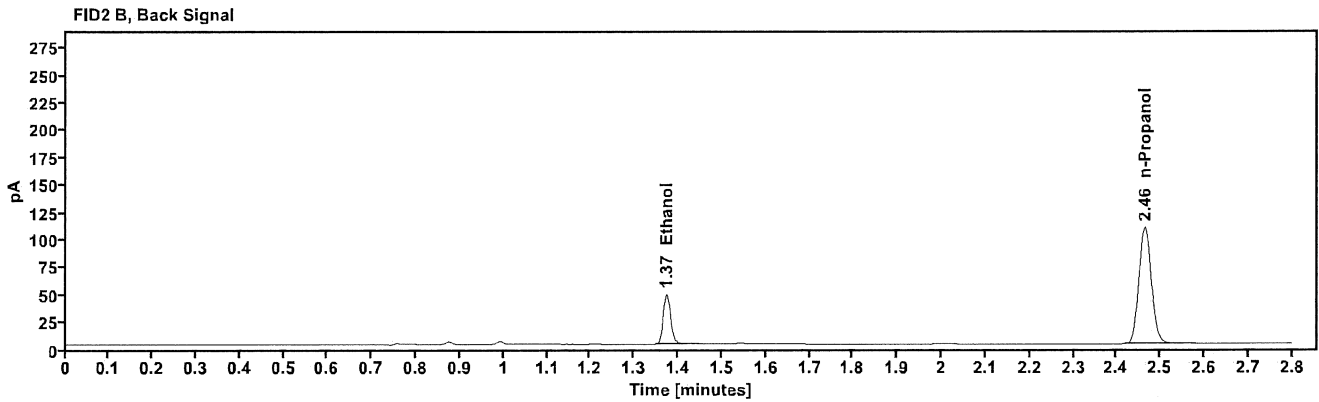
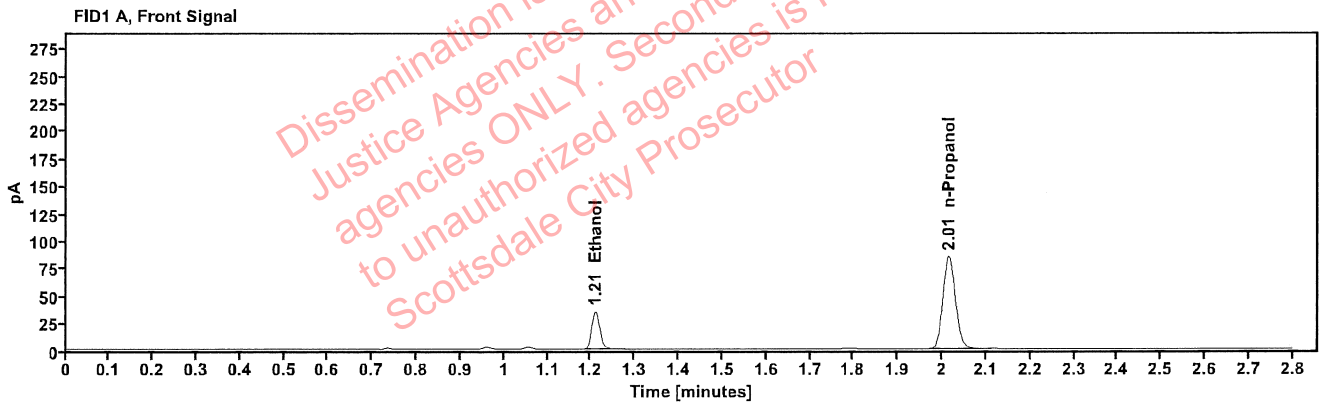


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0731	1.210	43.947
n-Propanol	-----	2.015	168.283

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

Compound	Time (min)	Peak Area
Ethanol	1.373	55.900
n-Propanol	2.465	214.723

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431676	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:36:08 PM
Data file:	C:\Chem32\1\Data\02Aug22\13.D	Analyst:	Abbott

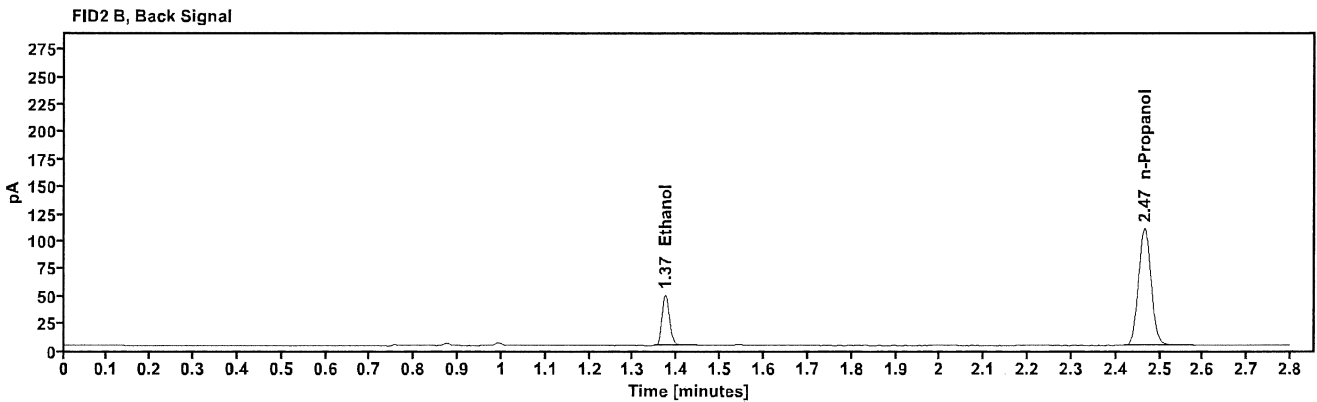
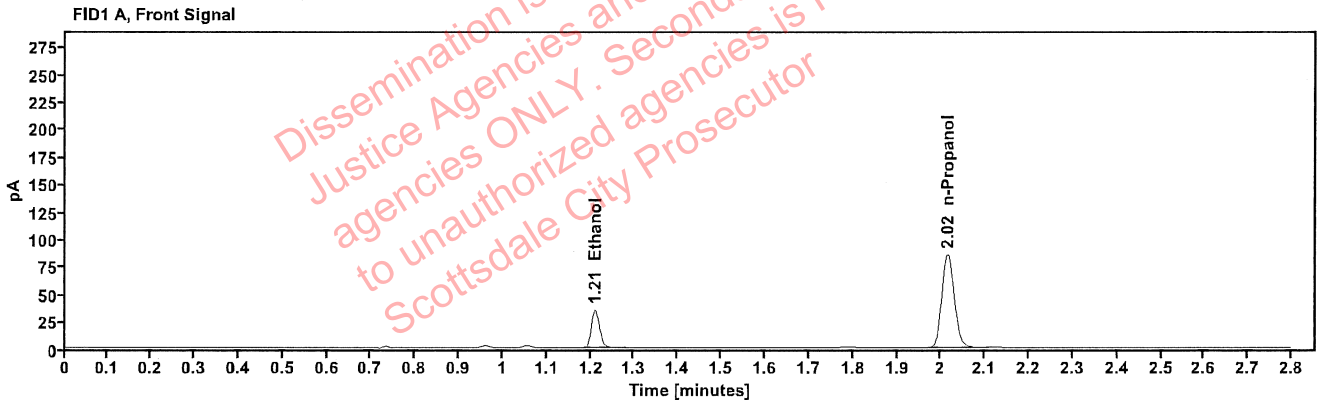


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0733	1.210	44.362
n-Propanol	-----	2.015	169.318

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

Compound	Time (min)	Peak Area
Ethanol	1.373	56.390
n-Propanol	2.465	215.874

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431893	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:40:07 PM
Data file:	C:\Chem32\1\Data\02Aug22\14.D	Analyst:	Abbott

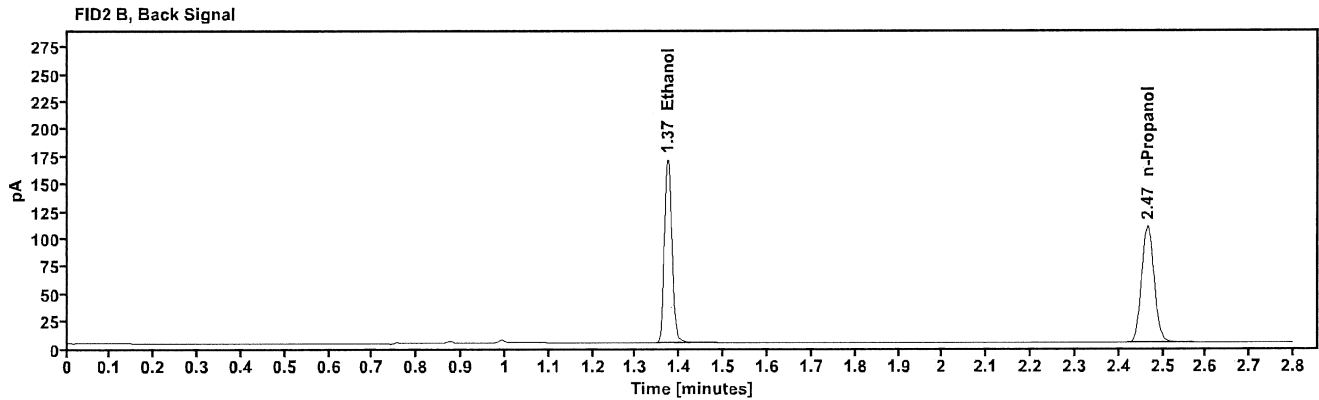
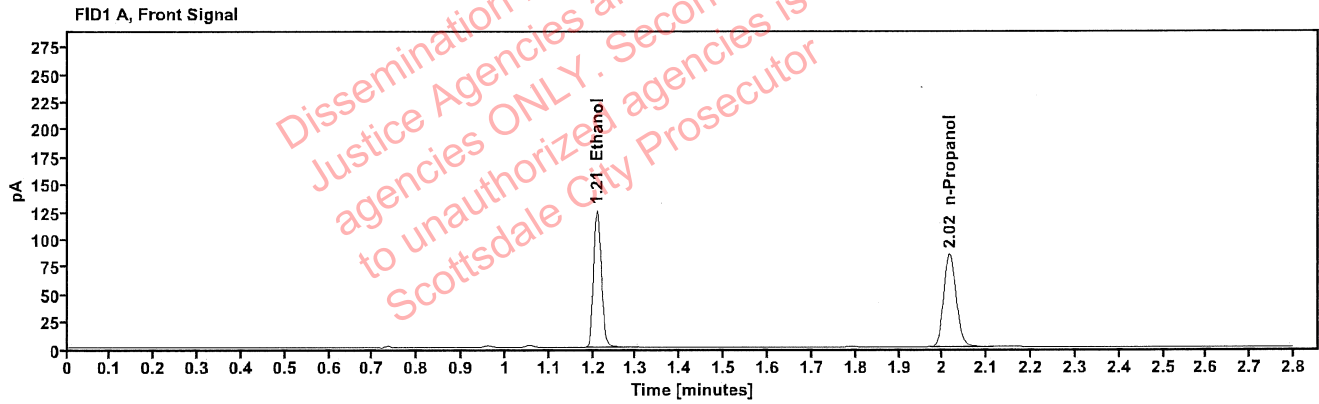


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2662	1.209	159.041
n-Propanol	-----	2.016	168.302

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

Compound	Time (min)	Peak Area
Ethanol	1.373	203.407
n-Propanol	2.465	213.396

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431893	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:44:07 PM
Data file:	C:\Chem32\1\Data\02Aug22\15.D	Analyst:	Abbott

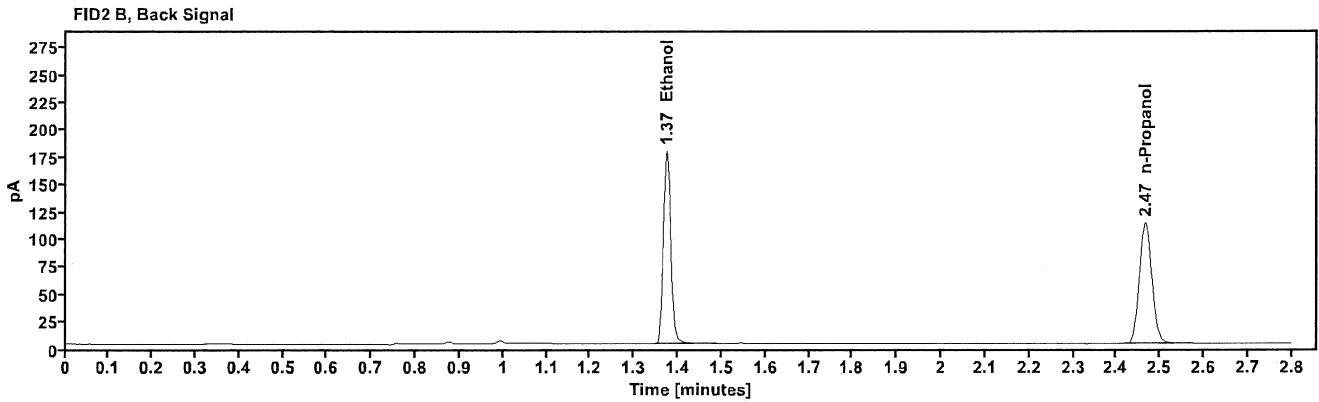
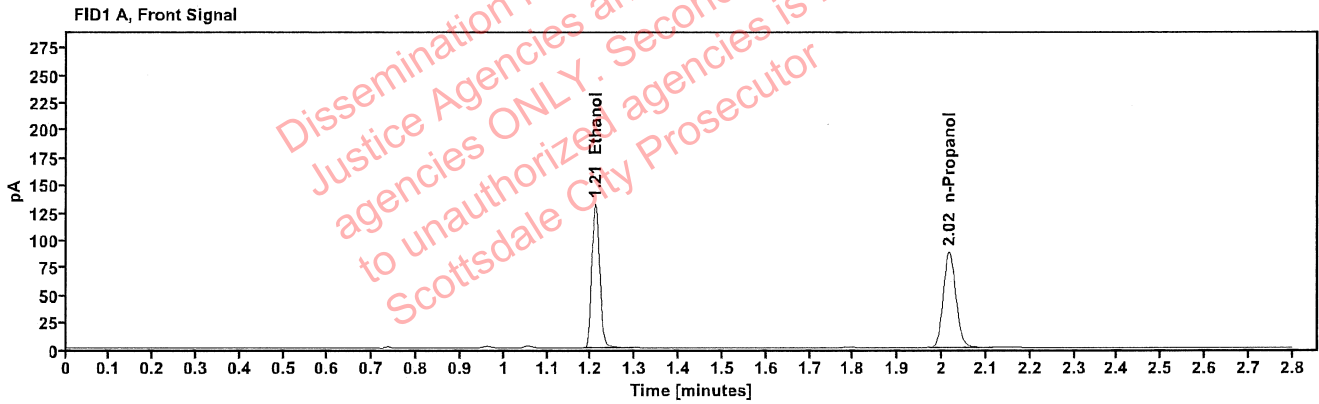


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2686	1.209	166.798
n-Propanol	-----	2.016	174.901

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

Compound	Time (min)	Peak Area
Ethanol	1.373	213.805
n-Propanol	2.466	221.884

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431886	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:48:07 PM
Data file:	C:\Chem32\1\Data\02Aug22\16.D	Analyst:	Abbott

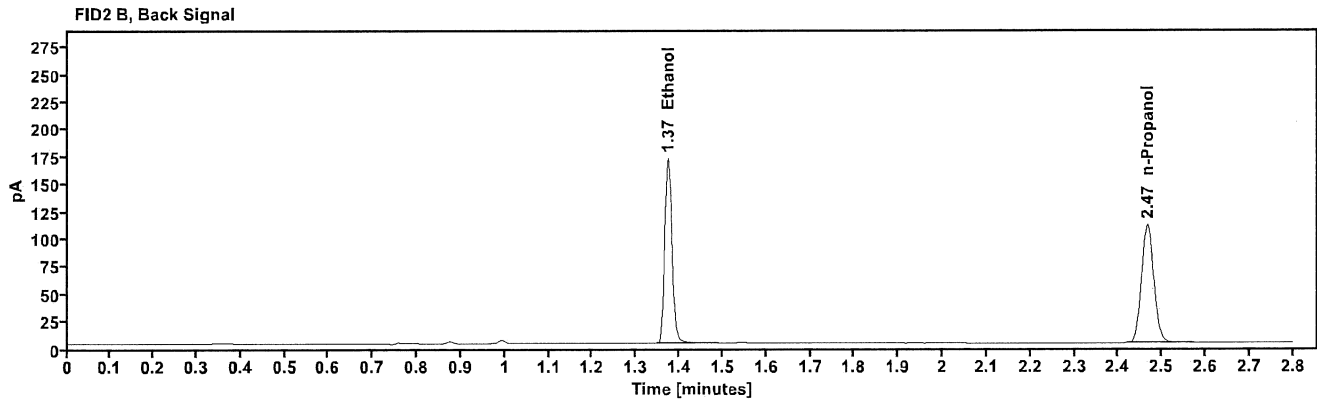
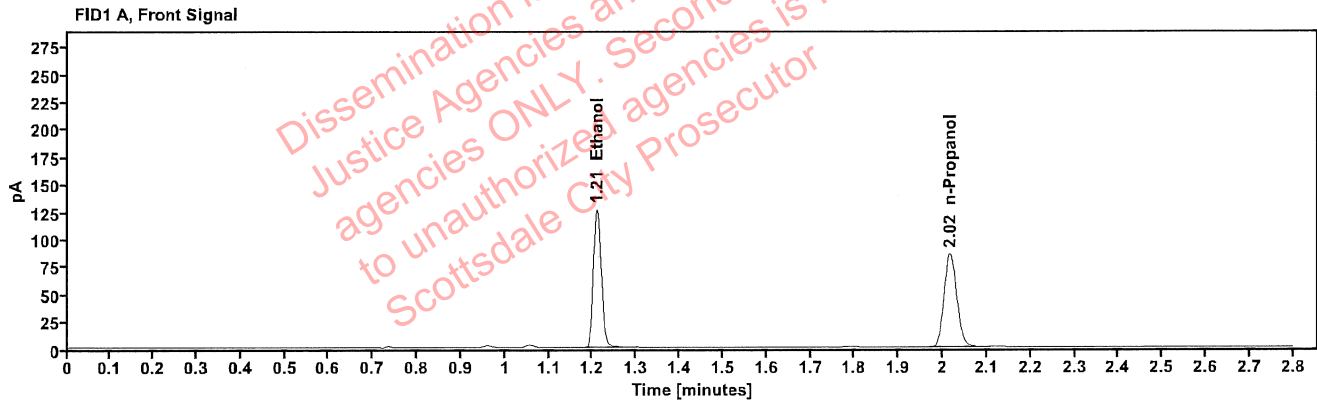


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2653	1.209	159.922
n-Propanol	-----	2.016	169.802

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

Compound	Time (min)	Peak Area
Ethanol	1.373	204.997
n-Propanol	2.466	215.769

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431886	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:52:07 PM
Data file:	C:\Chem32\1\Data\02Aug22\17.D	Analyst:	Abbott

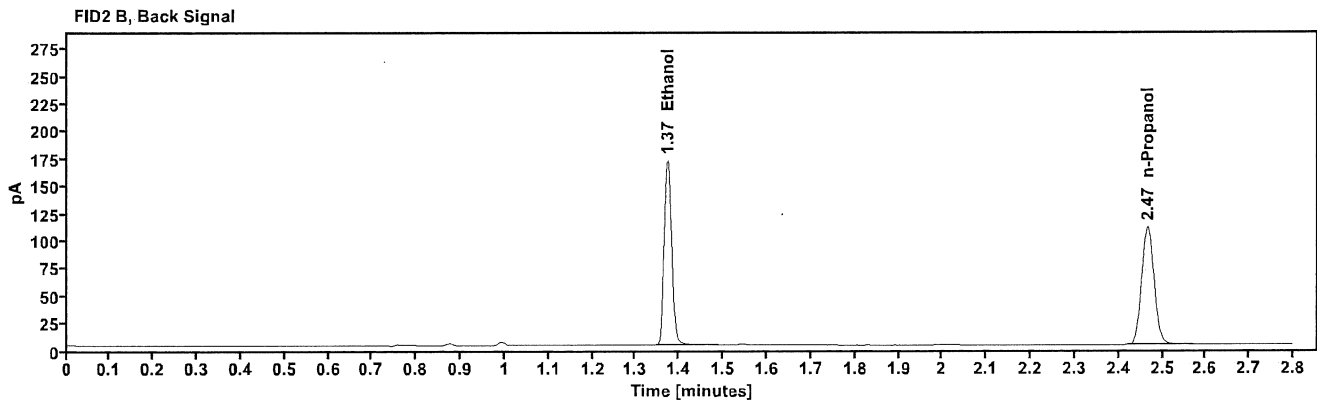
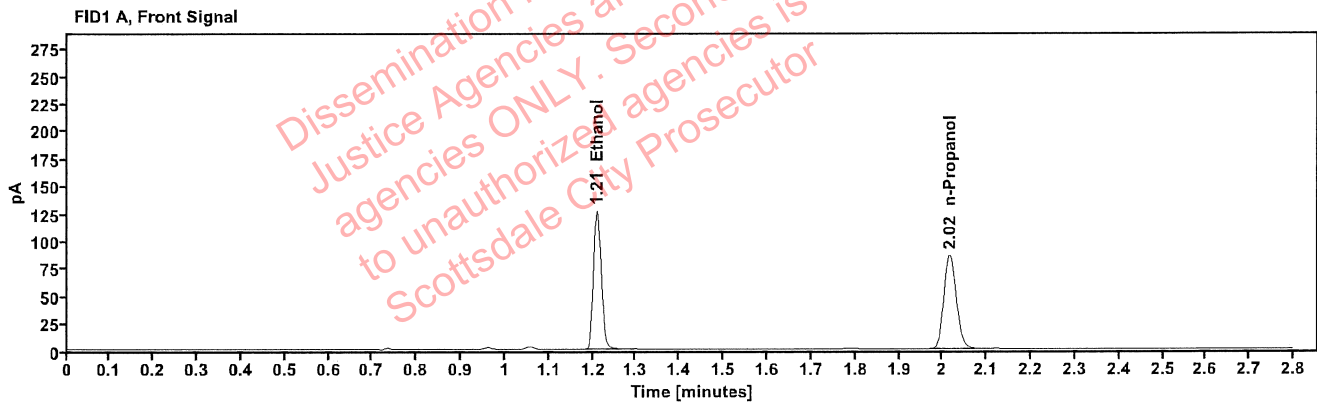


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2651	1.209	160.172
n-Propanol	-----	2.016	170.167

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

Compound	Time (min)	Peak Area
Ethanol	1.373	205.202
n-Propanol	2.466	216.056

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401NV	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 12:56:08 PM
Data file:	C:\Chem32\1\Data\02Aug22\18.D	Analyst:	Abbott

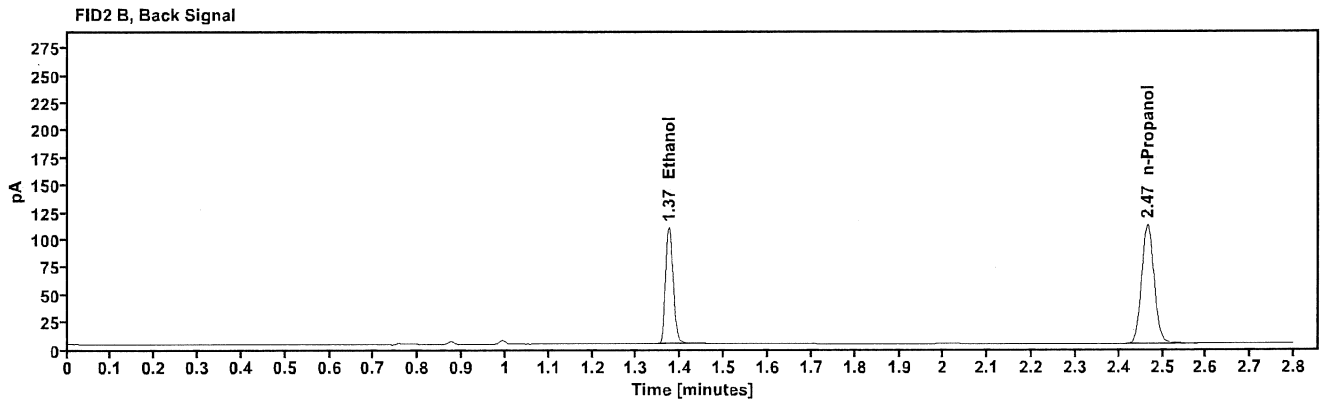
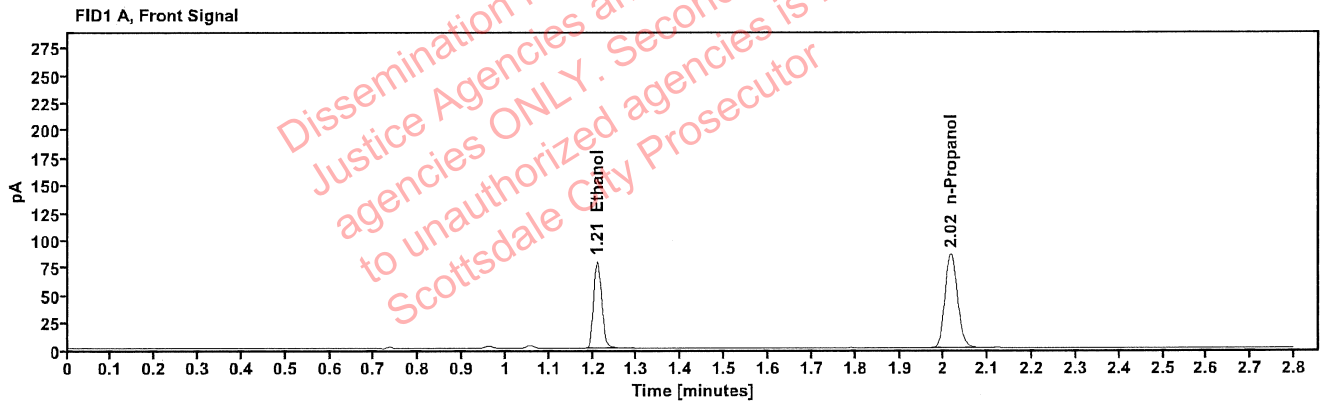


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1658	1.210	100.973
n-Propanol	-----	2.016	171.279

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

Compound	Time (min)	Peak Area
Ethanol	1.373	128.788
n-Propanol	2.466	218.492

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401NV	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:00:23 PM
Data file:	C:\Chem32\1\Data\02Aug22\19.D	Analyst:	Abbott

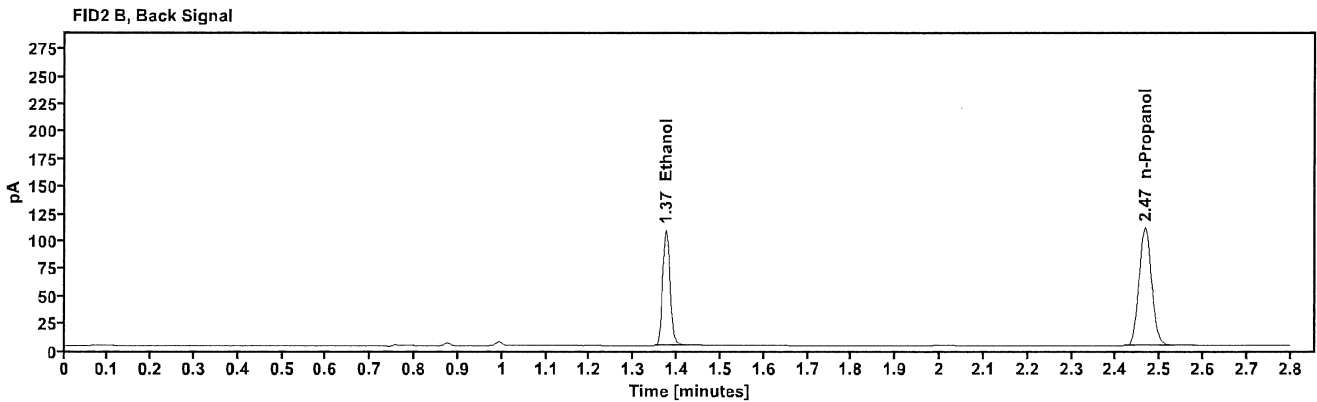
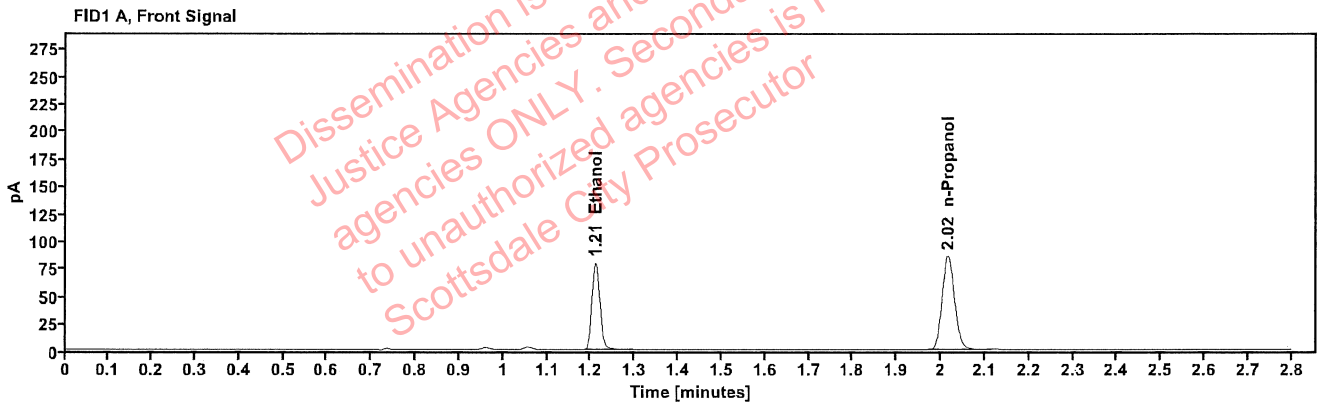


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1663	1.210	100.830
n-Propanol	-----	2.016	170.509

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

Compound	Time (min)	Peak Area
Ethanol	1.374	128.492
n-Propanol	2.466	217.350

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701LN	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:08:23 PM
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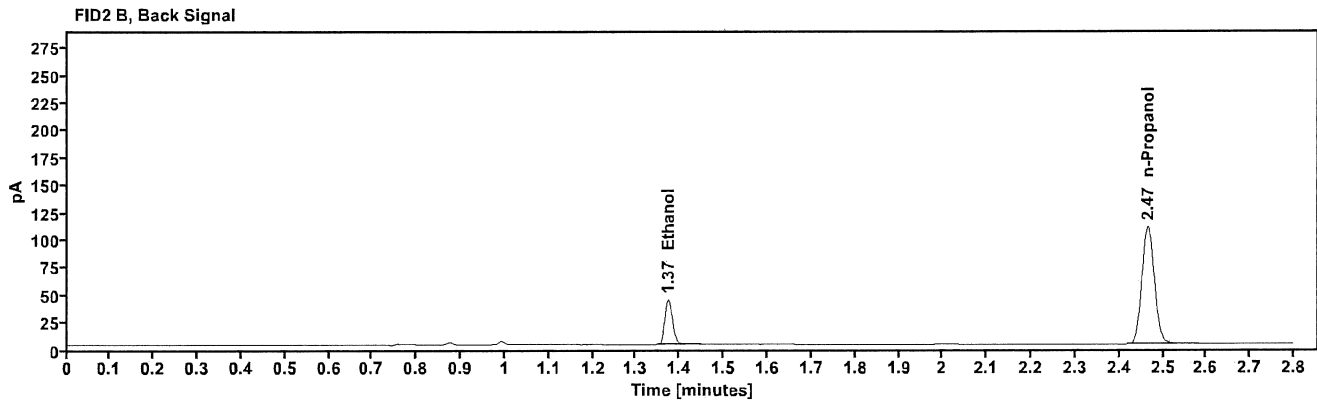
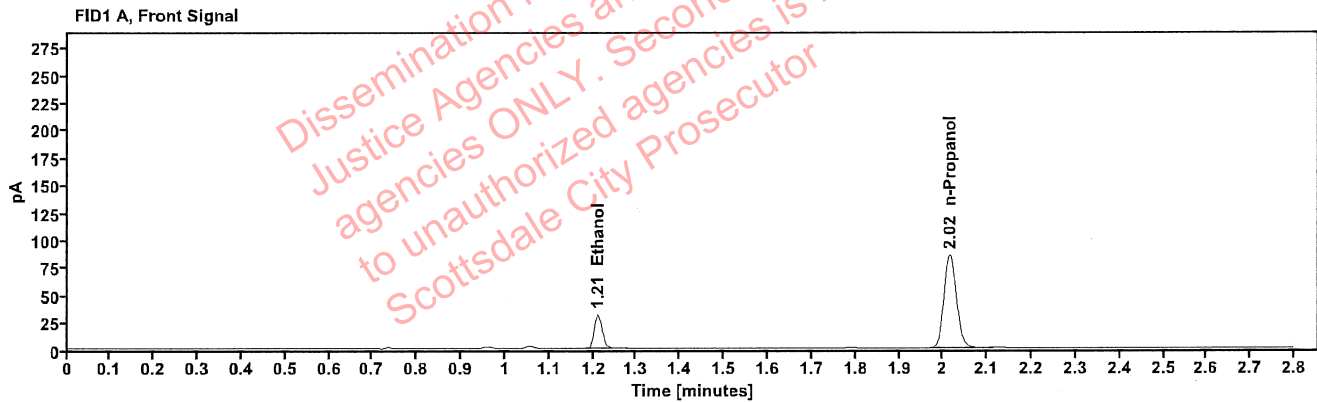


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0653	1.211	39.554
n-Propanol	-----	2.015	169.273

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

Compound	Time (min)	Peak Area
Ethanol	1.374	50.193
n-Propanol	2.465	215.949

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701LN	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:12:22 PM
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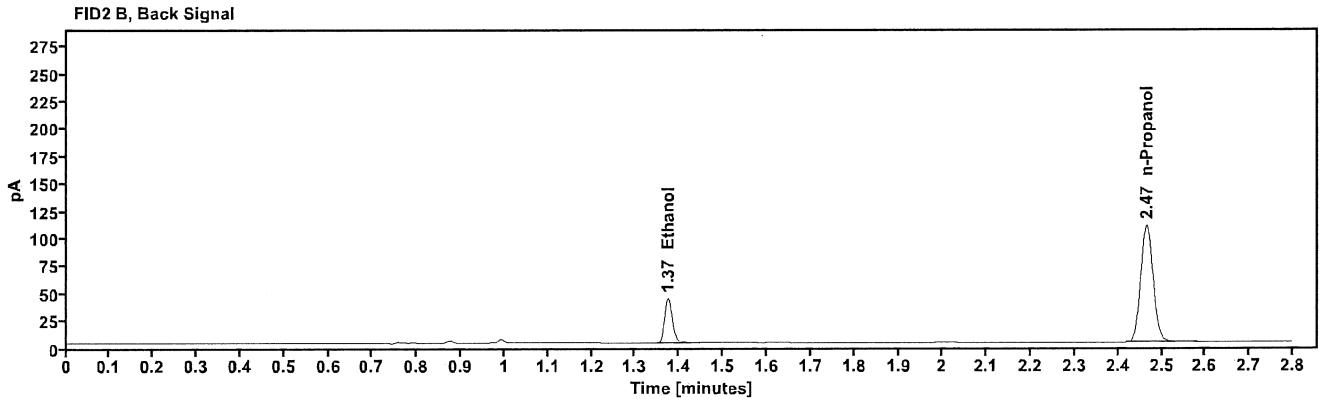
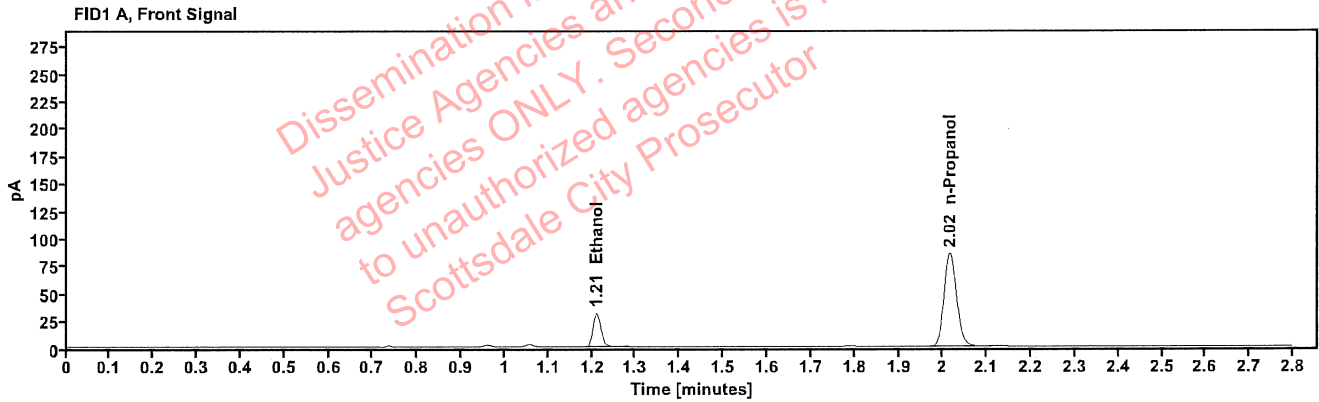


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0650	1.211	39.256
n-Propanol	-----	2.016	168.801

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

Compound	Time (min)	Peak Area
Ethanol	1.374	50.560
n-Propanol	2.466	215.381

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701DH	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:16:22 PM
Data file:	C:\Chem32\1\Data\02Aug22\23.D	Analyst:	Abbott

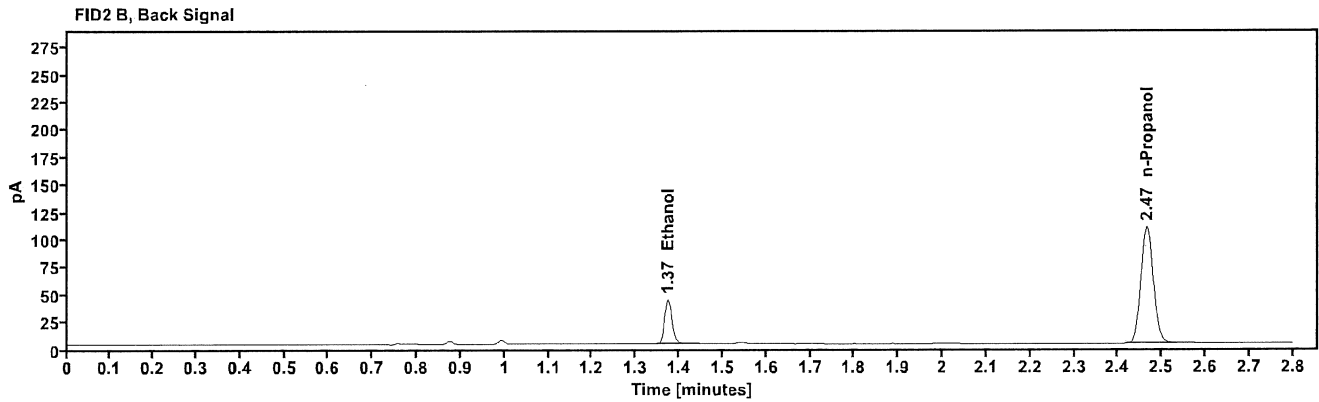
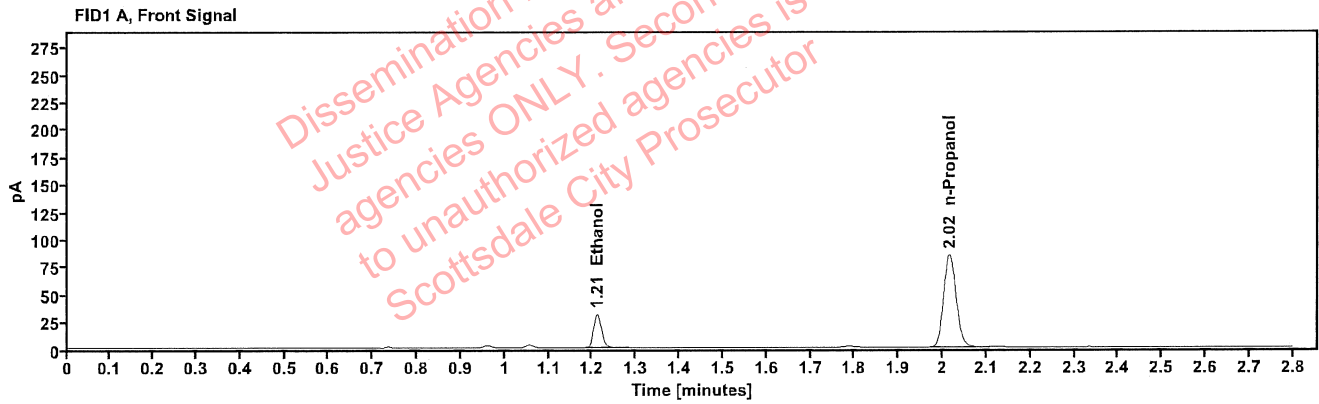


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0649	1.210	39.045
n-Propanol	-----	2.015	168.148

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

Compound	Time (min)	Peak Area
Ethanol	1.373	50.215
n-Propanol	2.465	214.320

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701DH	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:20:22 PM
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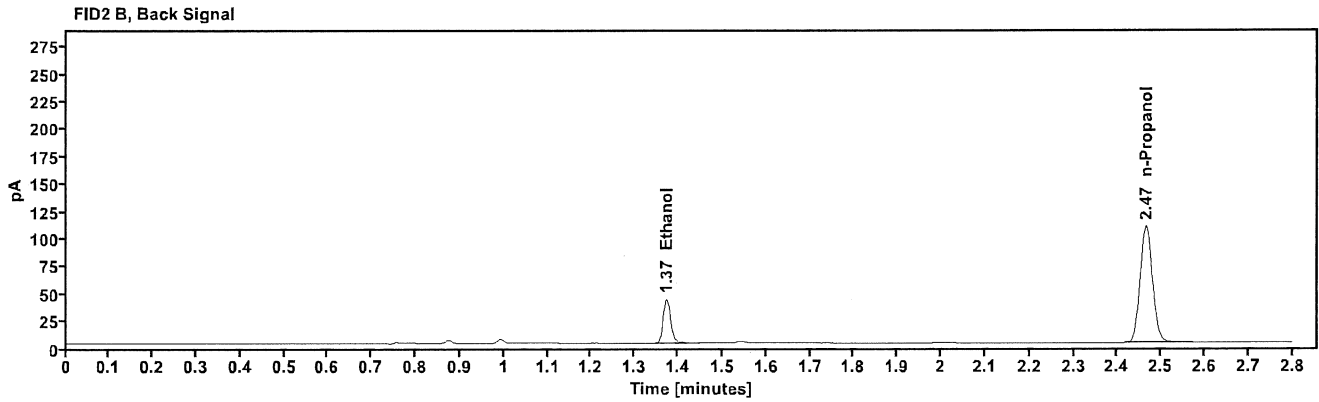
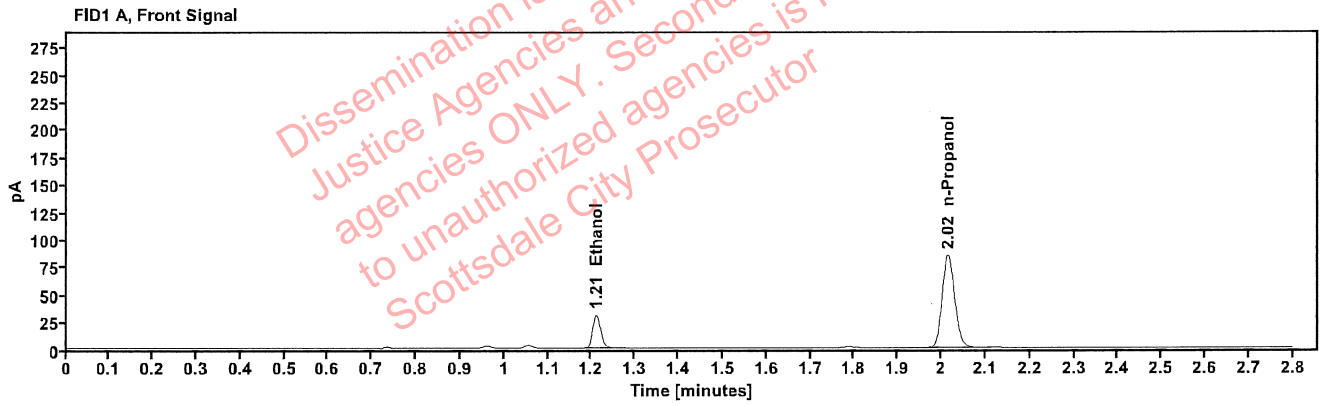


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0646	1.210	38.876
n-Propanol	-----	2.015	168.320

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

Compound	Time (min)	Peak Area
Ethanol	1.373	50.015
n-Propanol	2.465	214.502

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501ES	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:24:38 PM
Data file:	C:\Chem32\1\Data\02Aug22\25.D	Analyst:	Abbott

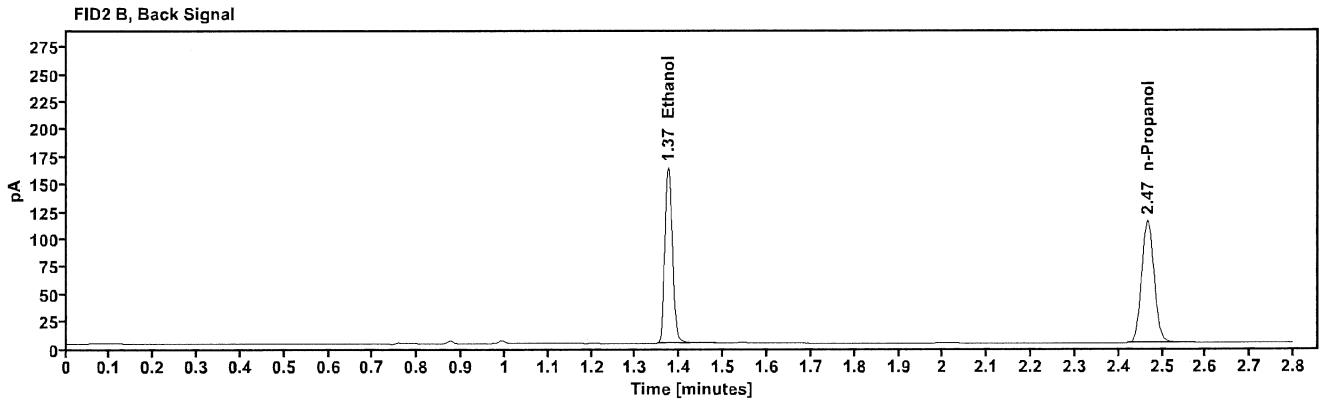
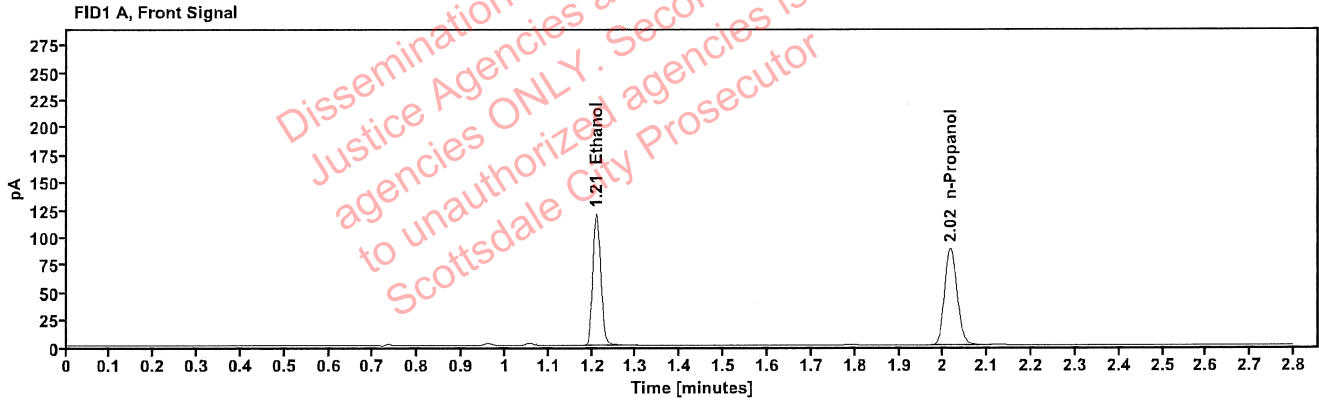


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2443	1.210	152.660
n-Propanol	-----	2.016	175.948

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

Compound	Time (min)	Peak Area
Ethanol	1.374	195.065
n-Propanol	2.466	224.015

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501ES	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:28:38 PM
Data file:	C:\Chem32\1\Data\02Aug22\26.D	Analyst:	Abbott

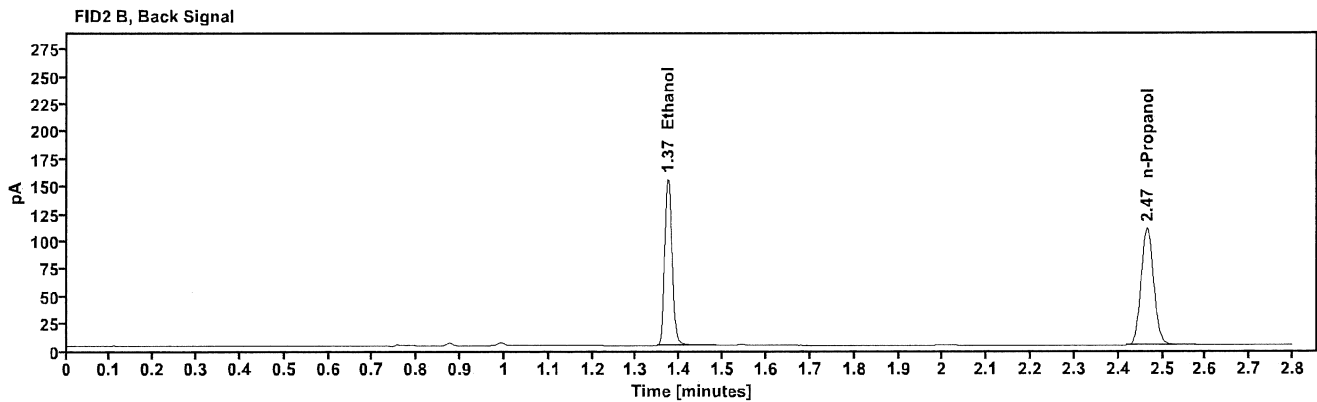
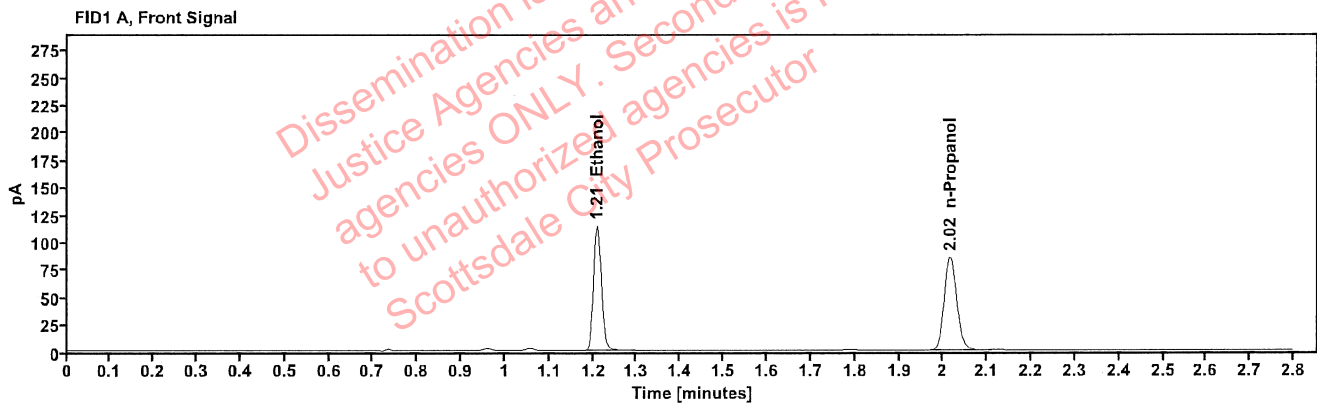


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2400	1.209	144.619
n-Propanol	-----	2.015	169.691

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

Compound	Time (min)	Peak Area
Ethanol	1.372	185.208
n-Propanol	2.465	216.151

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40701AL	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:32:38 PM
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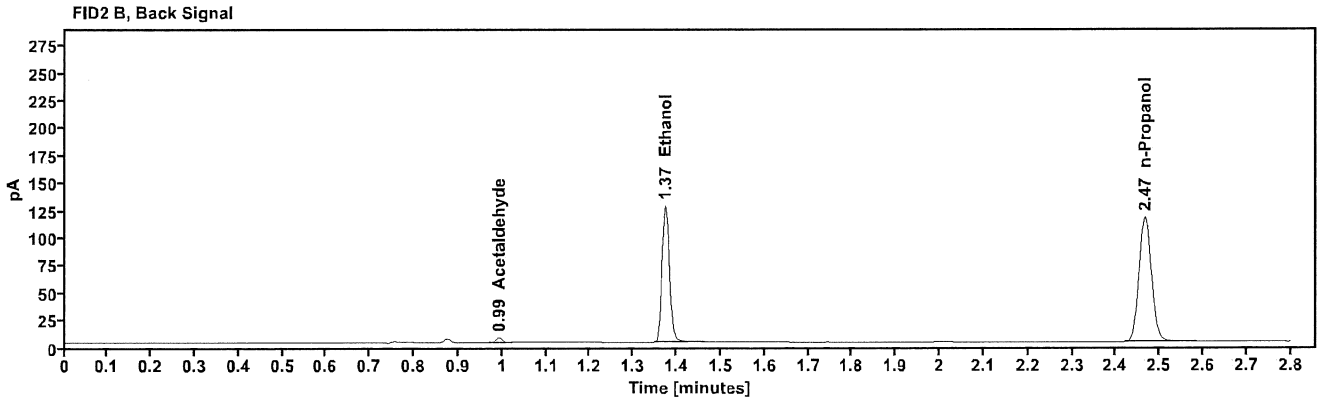
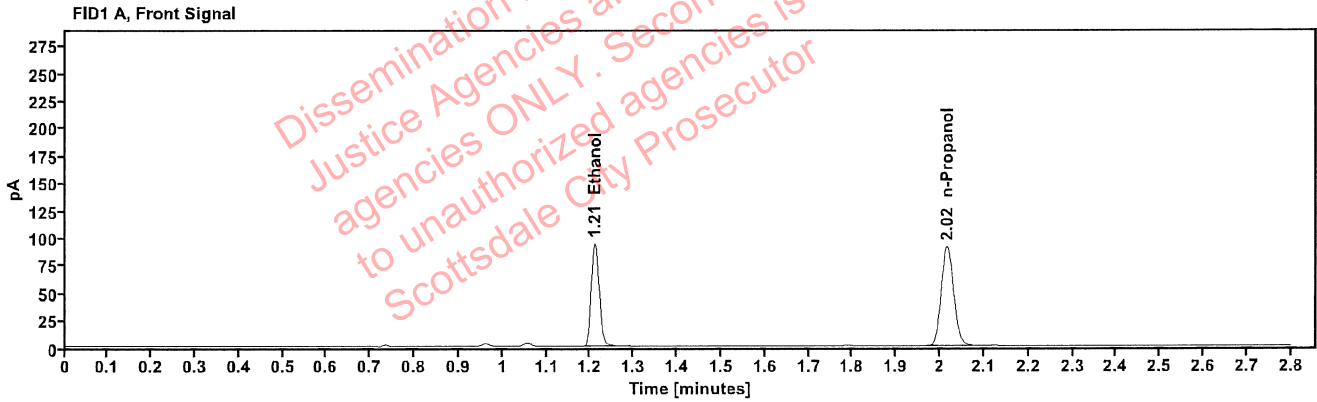


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1854	1.210	118.766
n-Propanol	-----	2.016	180.263

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.174
Ethanol	1.374	151.899
n-Propanol	2.466	229.611

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40701AL	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:36:38 PM
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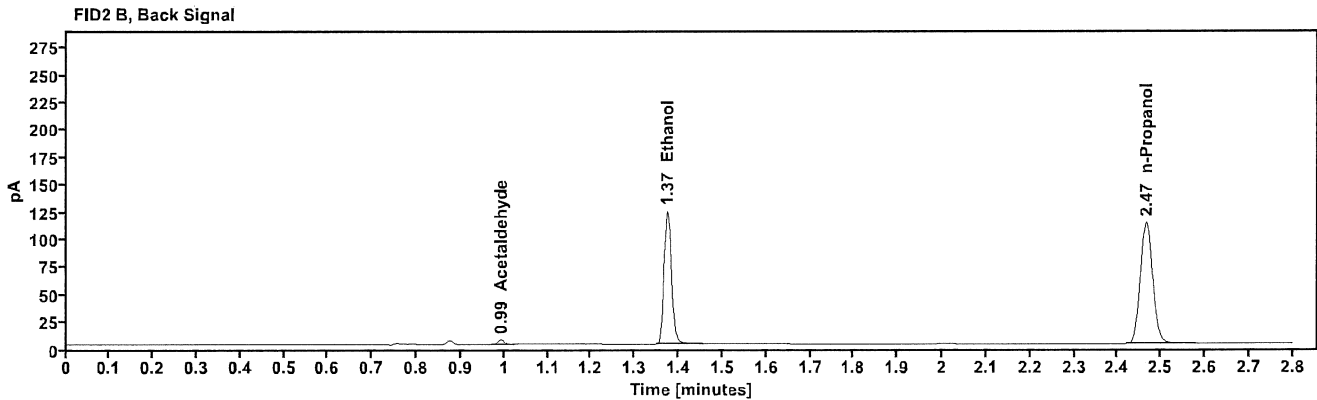
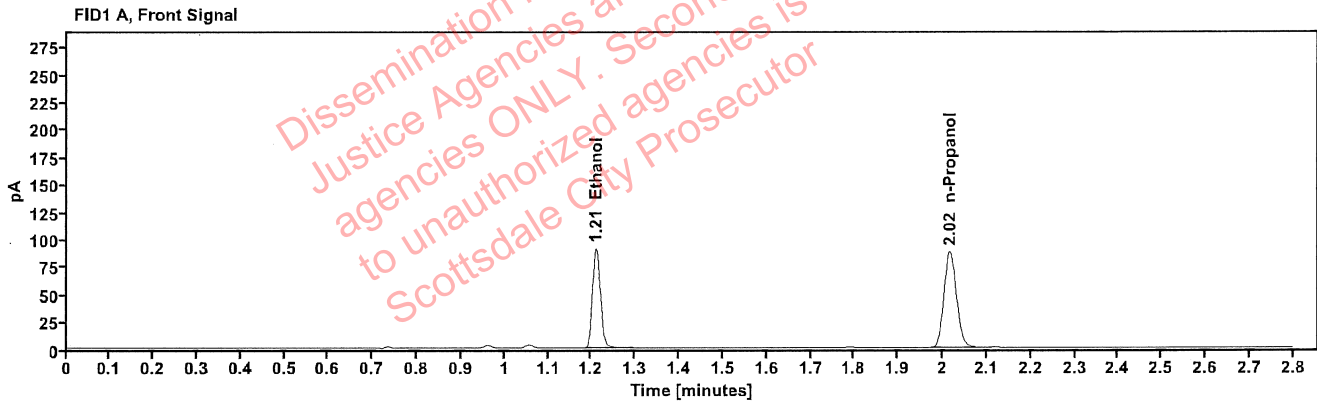


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1858	1.210	115.195
n-Propanol	-----	2.016	174.404

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.019
Ethanol	1.374	146.881
n-Propanol	2.466	222.049

[REDACTED]: Abbott, Lori - (02-Aug-2022)

Case: [REDACTED] User: LAbbott 8/2/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1429820	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:40:38 PM
Data file:	C:\Chem32\1\Data\02Aug22\29.D	Analyst:	Abbott

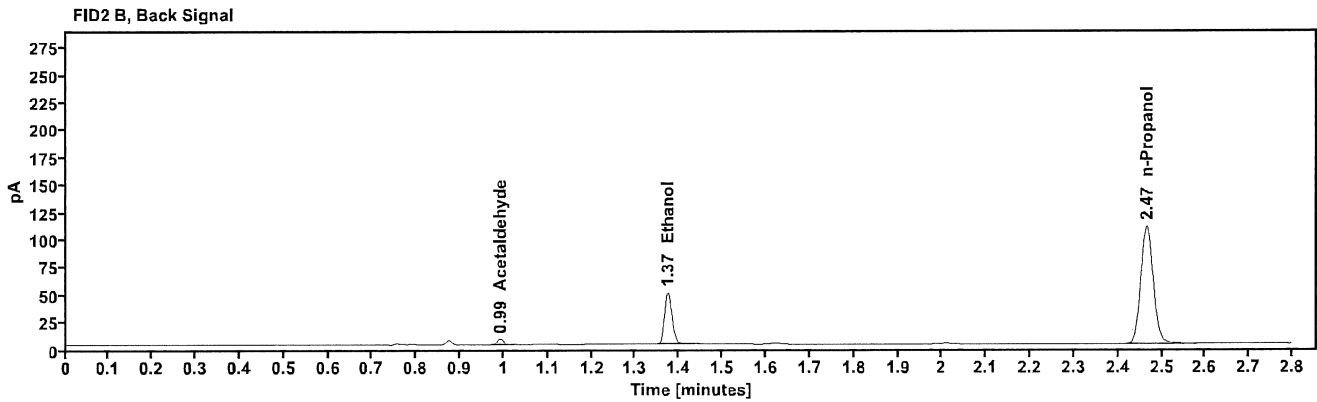
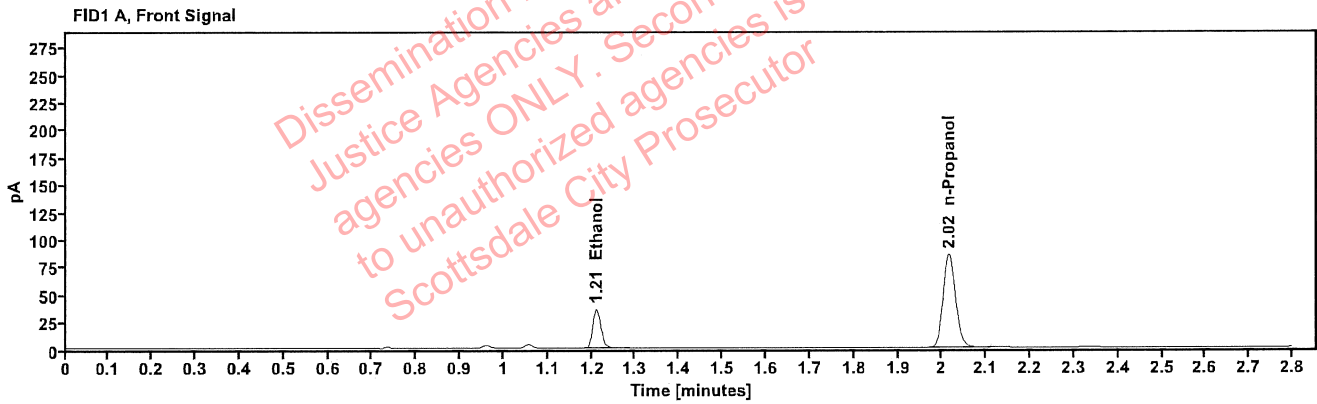


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0755	1.211	45.459
n-Propanol	-----	2.016	168.487

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	4.762
Ethanol	1.374	58.383
n-Propanol	2.466	215.514

[REDACTED]: Abbott, Lori - (02-Aug-2022)

Case: [REDACTED] User: LAbbott 8/2/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1429820	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:44:37 PM
Data file:	C:\Chem32\1\Data\02Aug22\30.D	Analyst:	Abbott

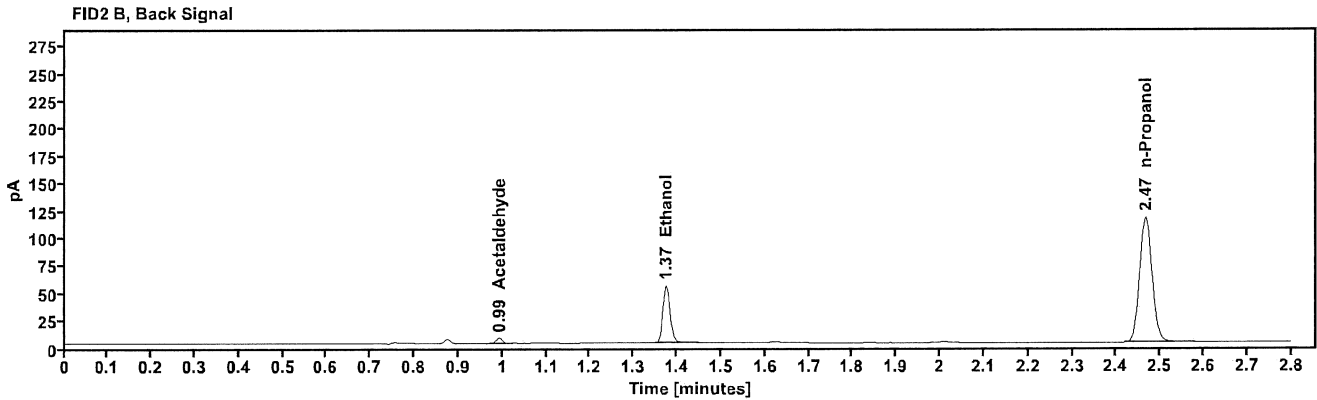
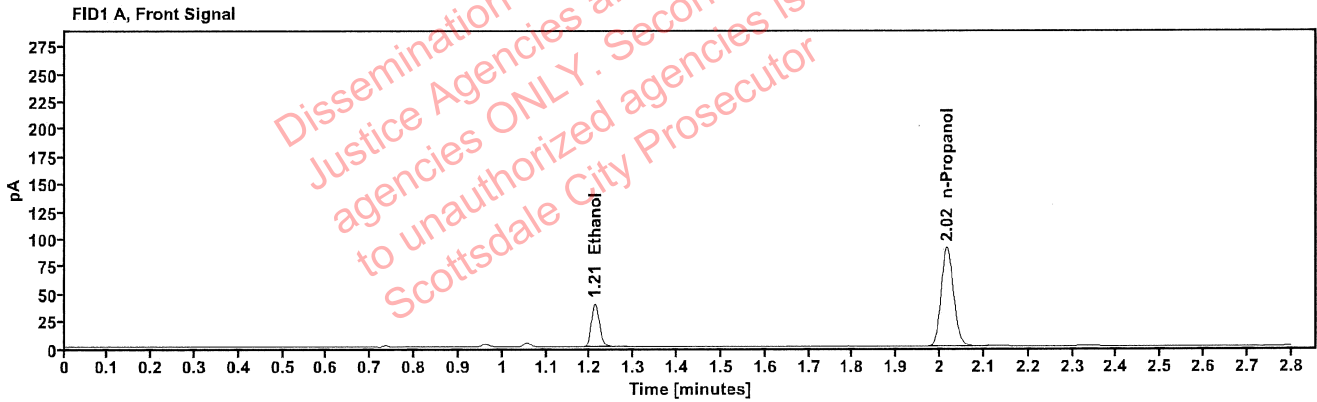


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0781	1.211	50.078
n-Propanol	-----	2.016	179.510

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.627
Ethanol	1.374	63.609
n-Propanol	2.466	229.552

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431941	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:52:53 PM
Data file:	C:\Chem32\1\Data\02Aug22\32.D	Analyst:	Abbott

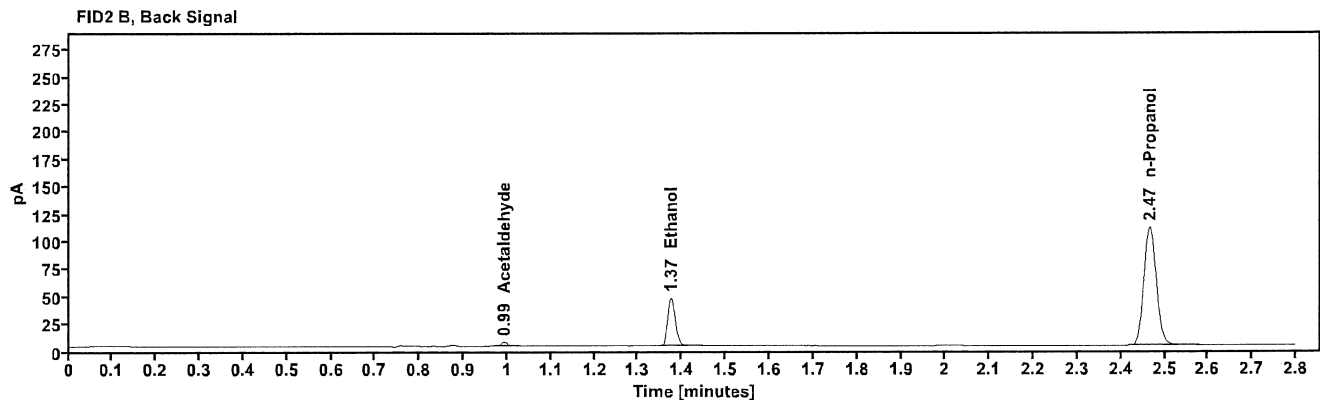
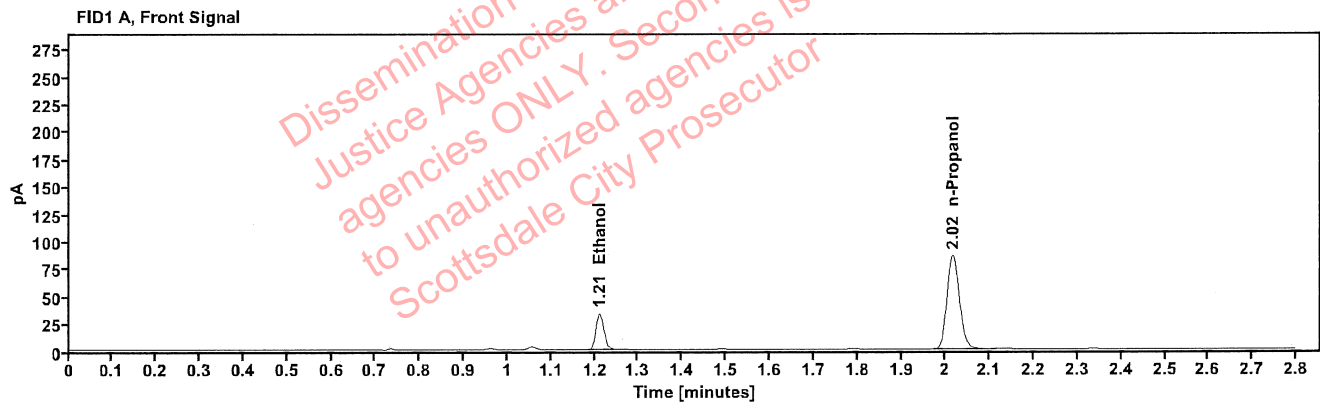


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0691	1.211	42.143
n-Propanol	-----	2.016	170.500

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.804
Ethanol	1.374	54.454
n-Propanol	2.467	217.499

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431941	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 1:56:52 PM
Data file:	C:\Chem32\1\Data\02Aug22\33.D	Analyst:	Abbott

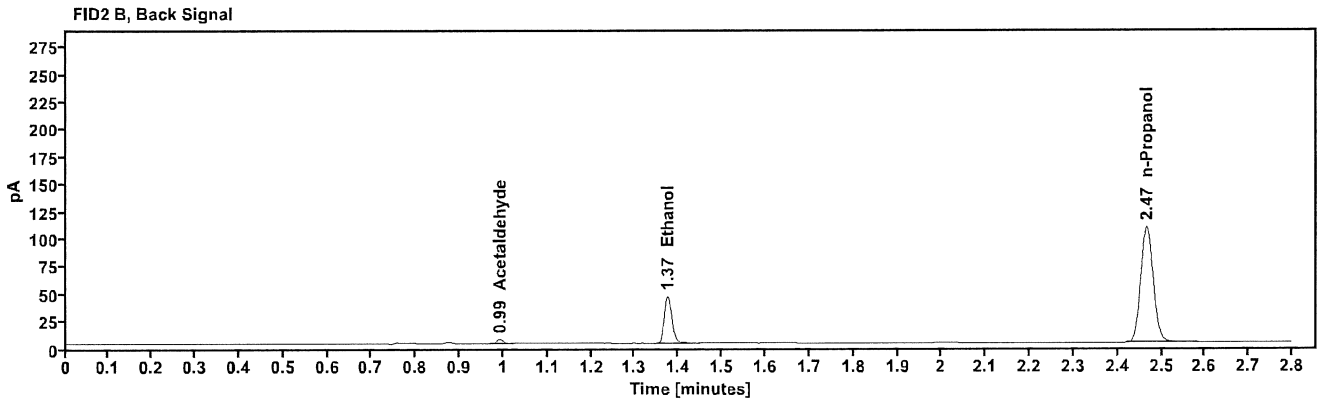
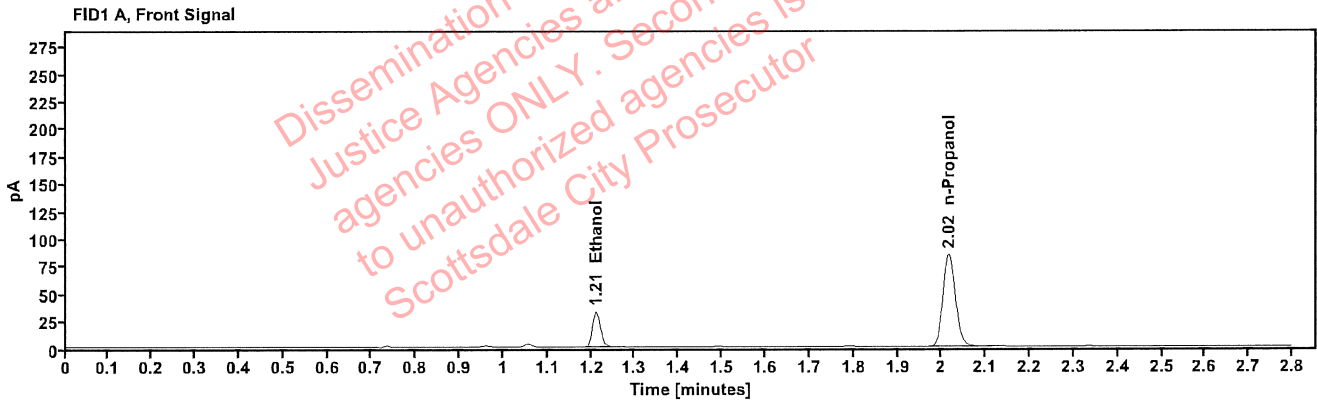


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0687	1.211	41.109
n-Propanol	---	2.016	167.434

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.846
Ethanol	1.374	53.181
n-Propanol	2.466	213.470

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431974	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:00:52 PM
Data file:	C:\Chem32\1\Data\02Aug22\34.D	Analyst:	Abbott

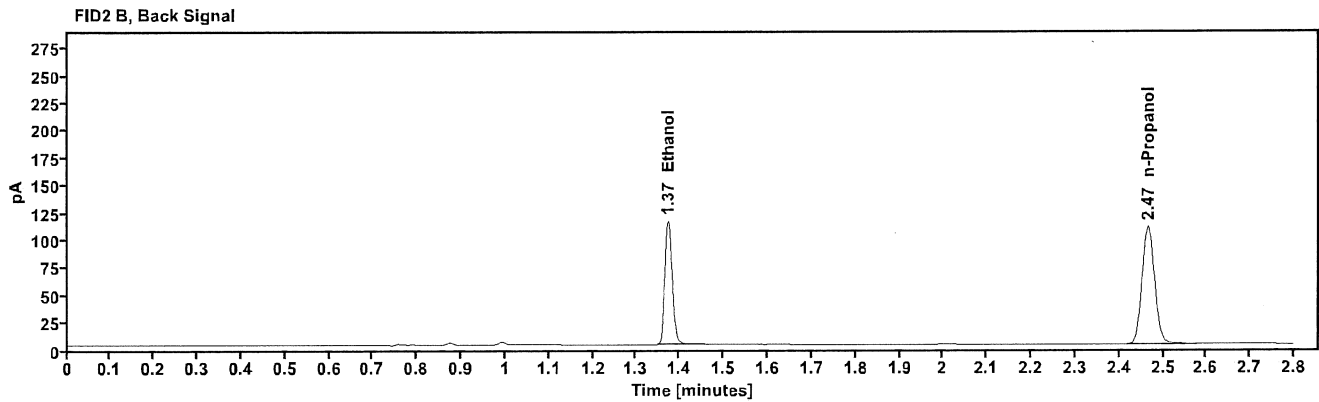
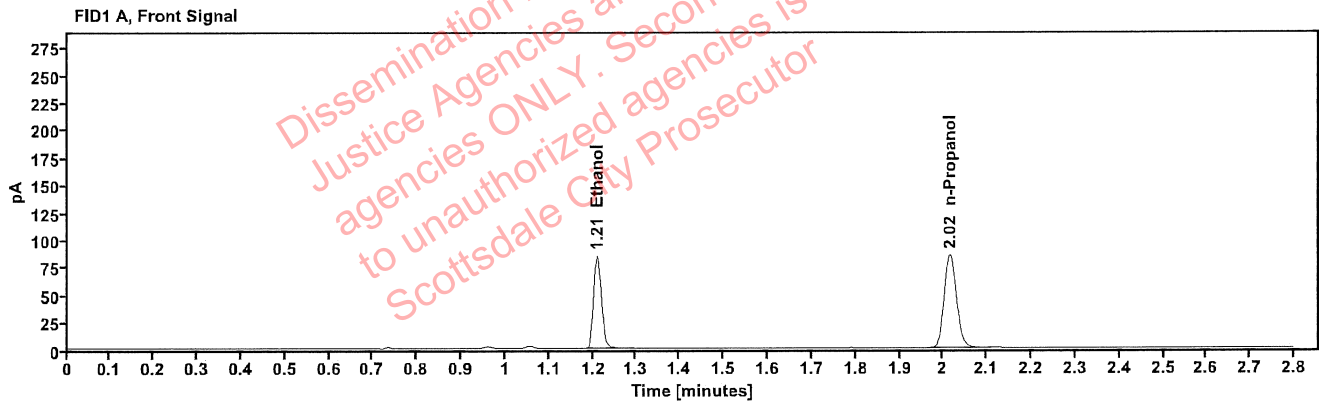


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1781	1.210	107.194
n-Propanol	-----	2.016	169.319

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

Compound	Time (min)	Peak Area
Ethanol	1.373	136.851
n-Propanol	2.466	215.747

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431974	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:04:52 PM
Data file:	C:\Chem32\1\Data\02Aug22\35.D	Analyst:	Abbott

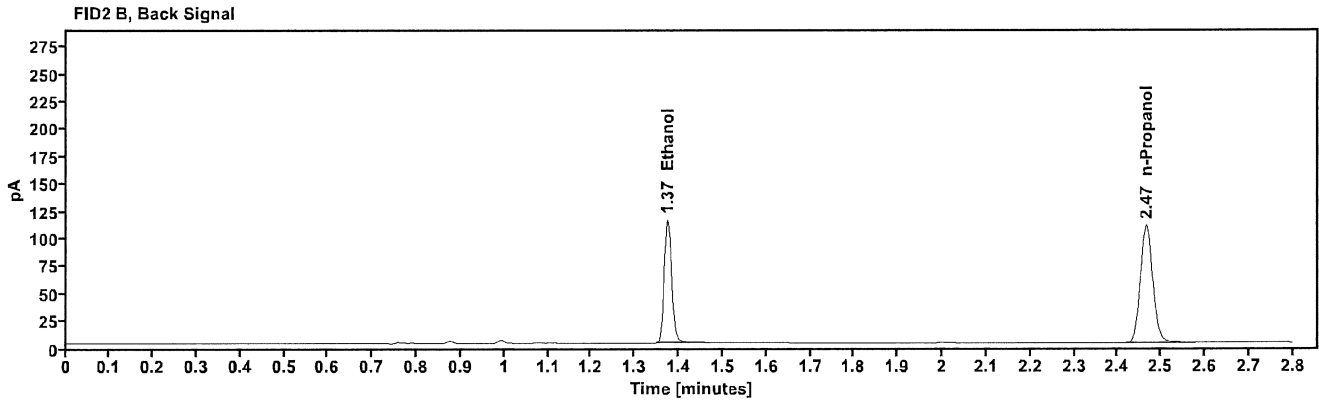
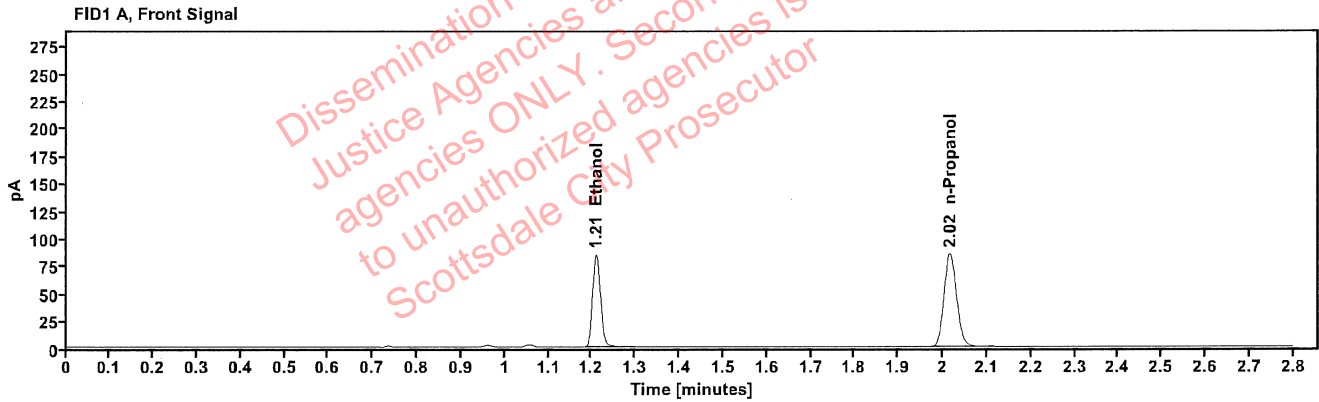


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1782	1.210	107.249
n-Propanol	-----	2.016	169.313

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

Compound	Time (min)	Peak Area
Ethanol	1.373	136.880
n-Propanol	2.466	215.748

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1402721	Vial:	36
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:08:52 PM
Data file:	C:\Chem32\1\Data\02Aug22\36.D	Analyst:	Abbott

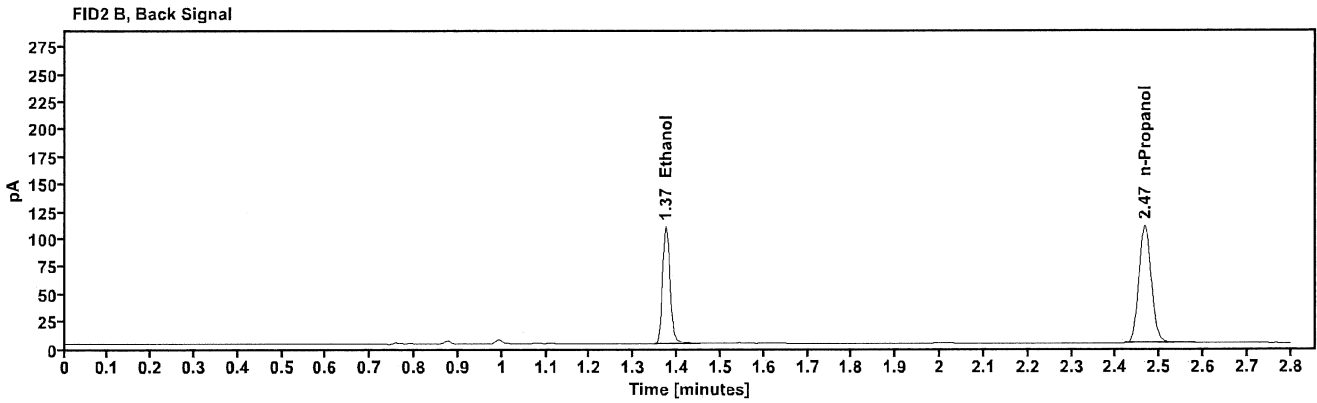
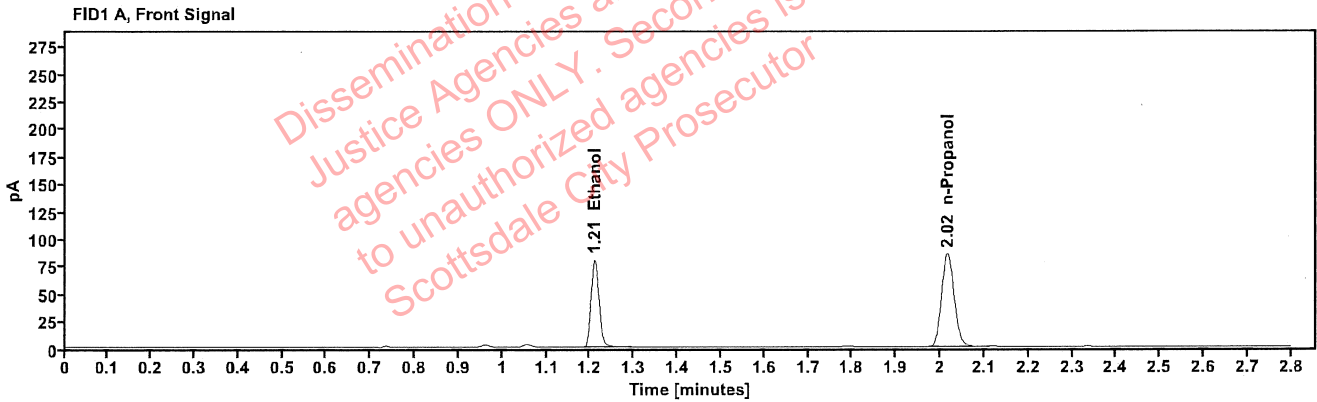


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1687	1.210	101.693
n-Propanol	-----	2.016	169.540

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

Compound	Time (min)	Peak Area
Ethanol	1.373	129.683
n-Propanol	2.466	216.181

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1402721	Vial:	37
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:13:08 PM
Data file:	C:\Chem32\1\Data\02Aug22\37.D	Analyst:	Abbott

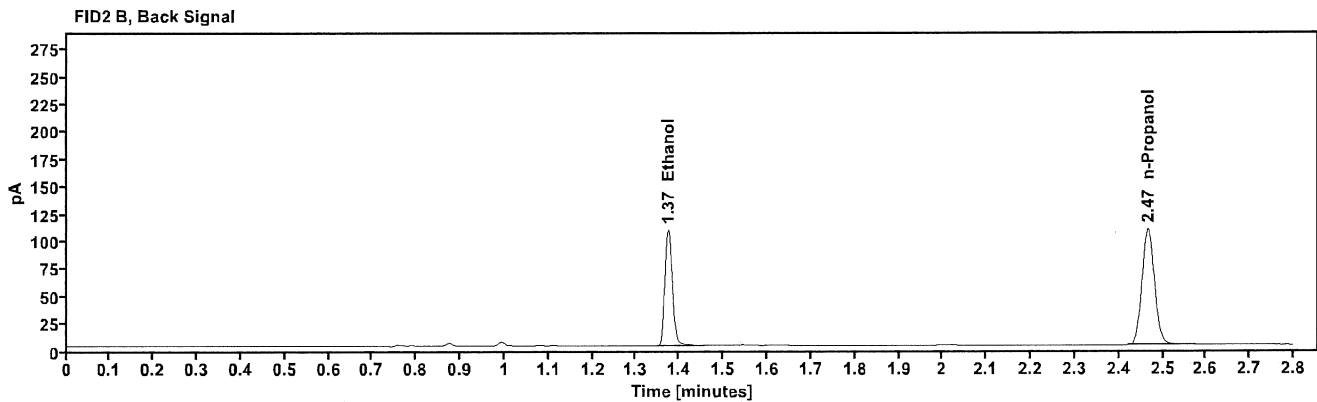
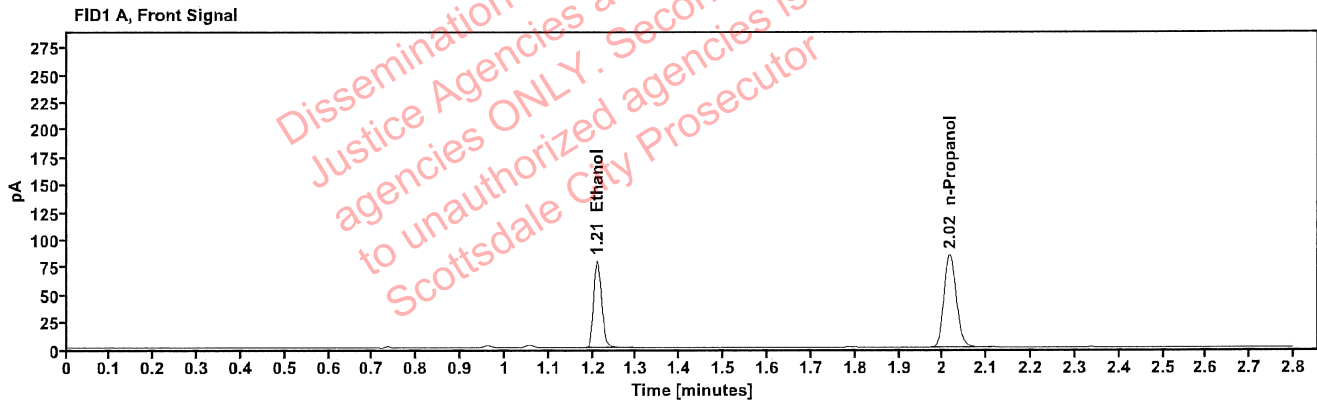


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1688	1.210	100.804
n-Propanol	-----	2.016	168.002

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

Compound	Time (min)	Peak Area
Ethanol	1.374	128.583
n-Propanol	2.466	213.906

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431797	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:17:07 PM
Data file:	C:\Chem32\1\Data\02Aug22\38.D	Analyst:	Abbott

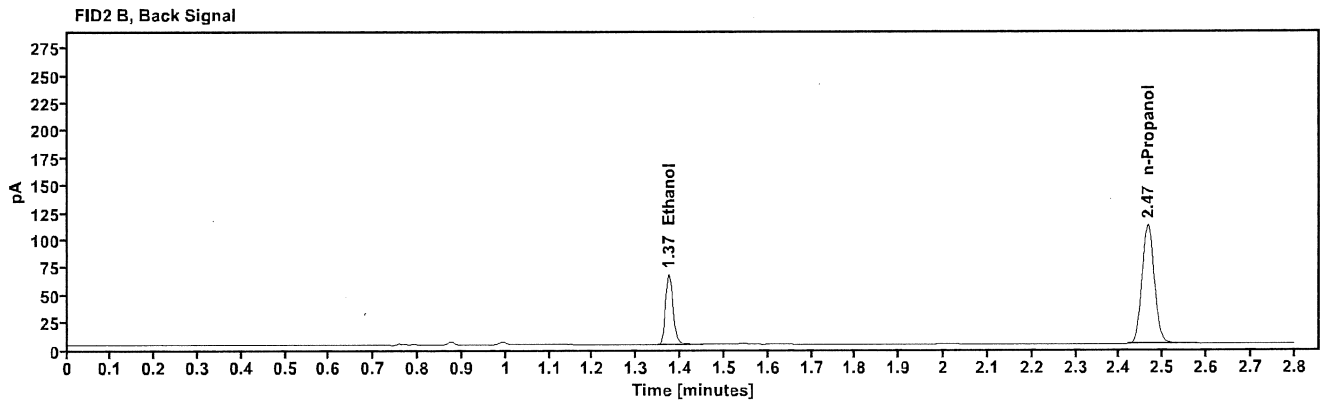
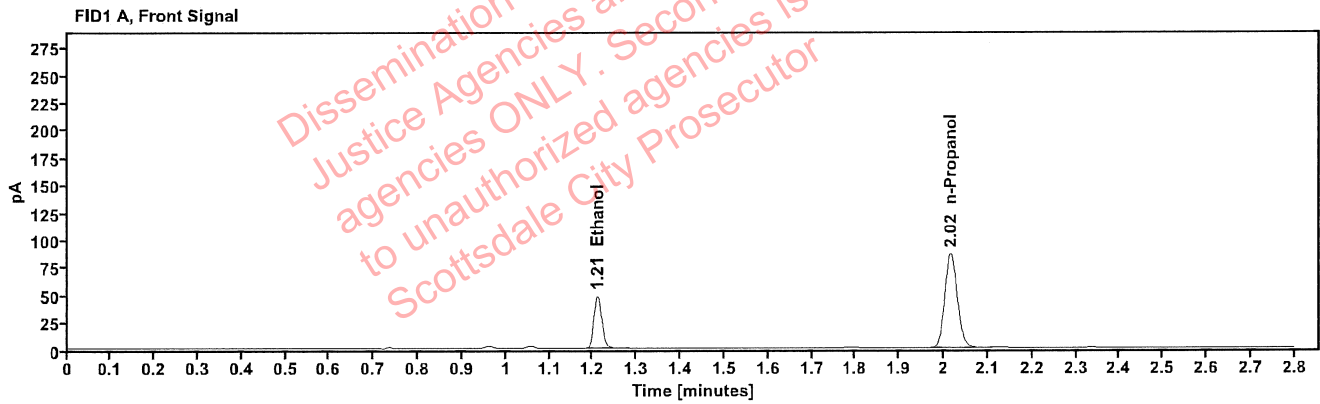


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1004	1.210	61.263
n-Propanol	-----	2.015	171.274

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

Compound	Time (min)	Peak Area
Ethanol	1.373	78.074
n-Propanol	2.466	218.415

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1431797	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:21:08 PM
Data file:	C:\Chem32\1\Data\02Aug22\39.D	Analyst:	Abbott

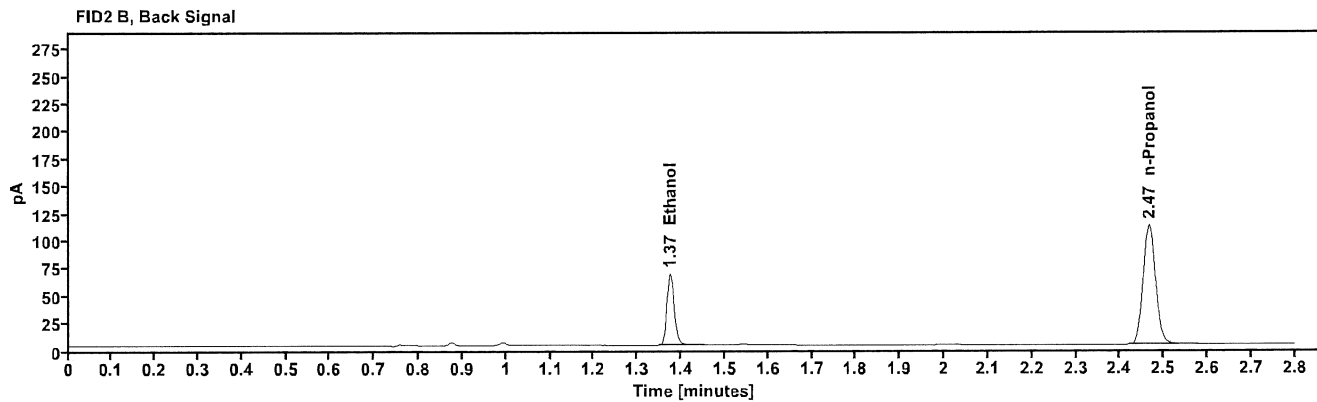
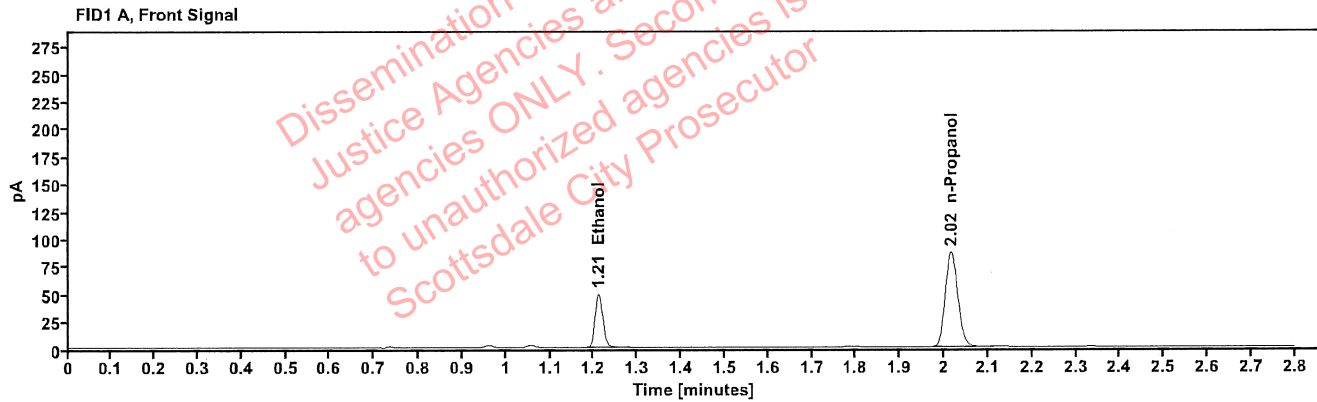


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1015	1.210	62.245
n-Propanol	----	2.016	172.079

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

Compound	Time (min)	Peak Area
Ethanol	1.374	79.370
n-Propanol	2.466	219.266

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432257	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:25:07 PM
Data file:	C:\Chem32\1\Data\02Aug22\40.D	Analyst:	Abbott

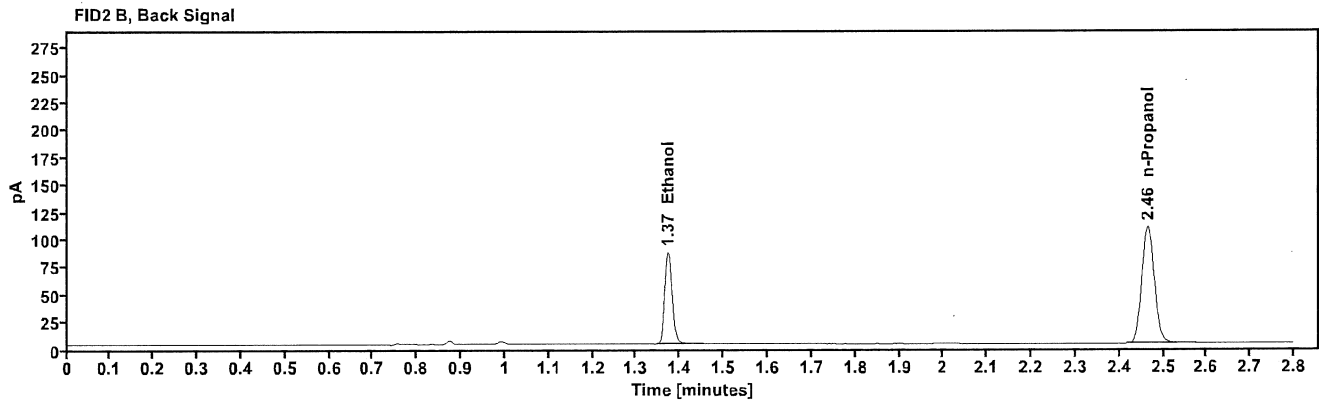
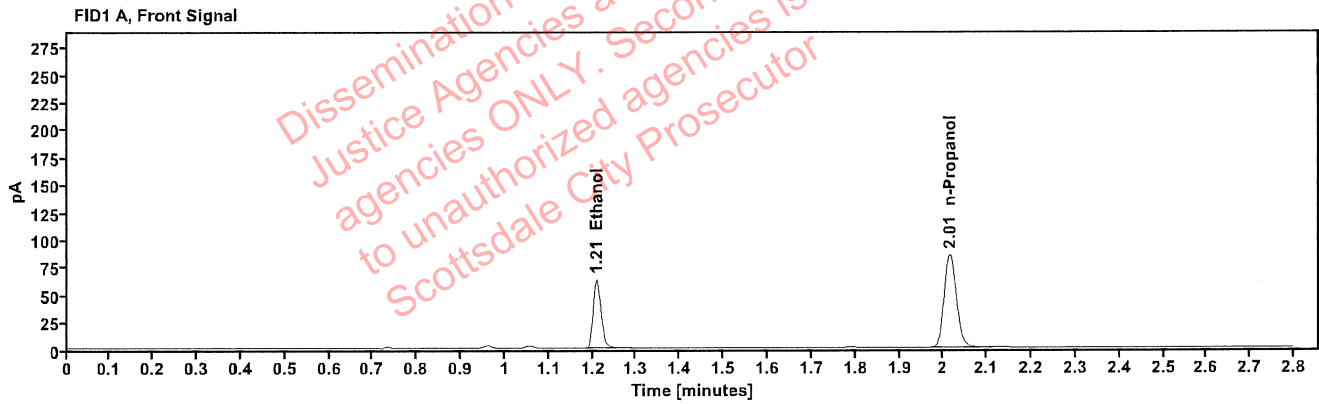


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1329	1.209	79.808
n-Propanol	-----	2.015	168.744

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

Compound	Time (min)	Peak Area
Ethanol	1.372	101.694
n-Propanol	2.465	214.901

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432257	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/2/2022 2:29:07 PM
Data file:	C:\Chem32\1\Data\02Aug22\41.D	Analyst:	Abbott

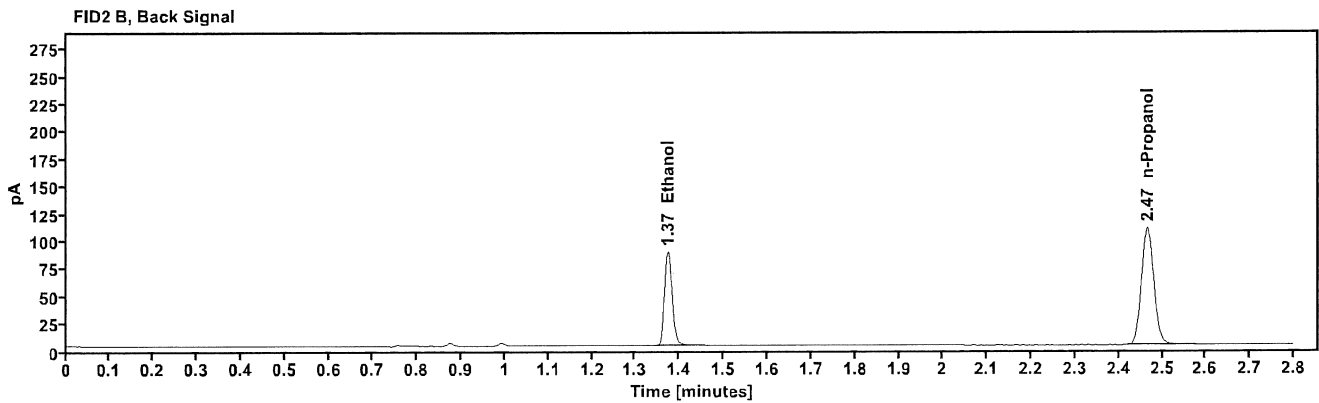
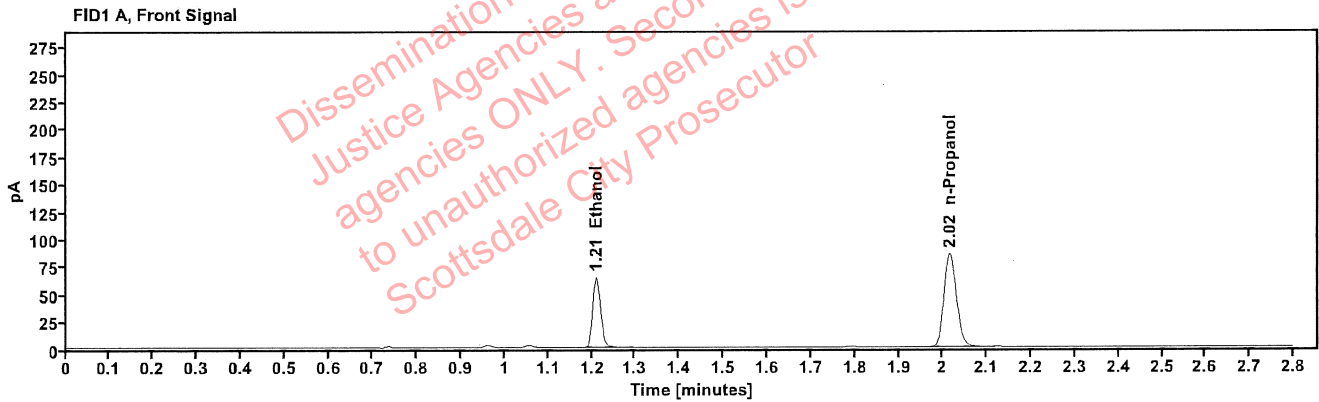


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1361	1.210	81.627
n-Propanol	-----	2.016	168.550

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

Compound	Time (min)	Peak Area
Ethanol	1.373	103.902
n-Propanol	2.466	214.683