

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/04/2022 SEQUENCE NAME 04Oct22

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 1.00000
 Vial 3 0.20 calibrator Lot FN02052101
 Vial 4 0.40 calibrator Lot FN03052102

CALIBRATION VERIFICATION AND RESOLUTION TEST

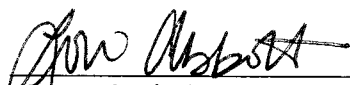
Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 070622AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.202 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
 Run invalid


 Analyst

Run valid
 Run invalid


 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

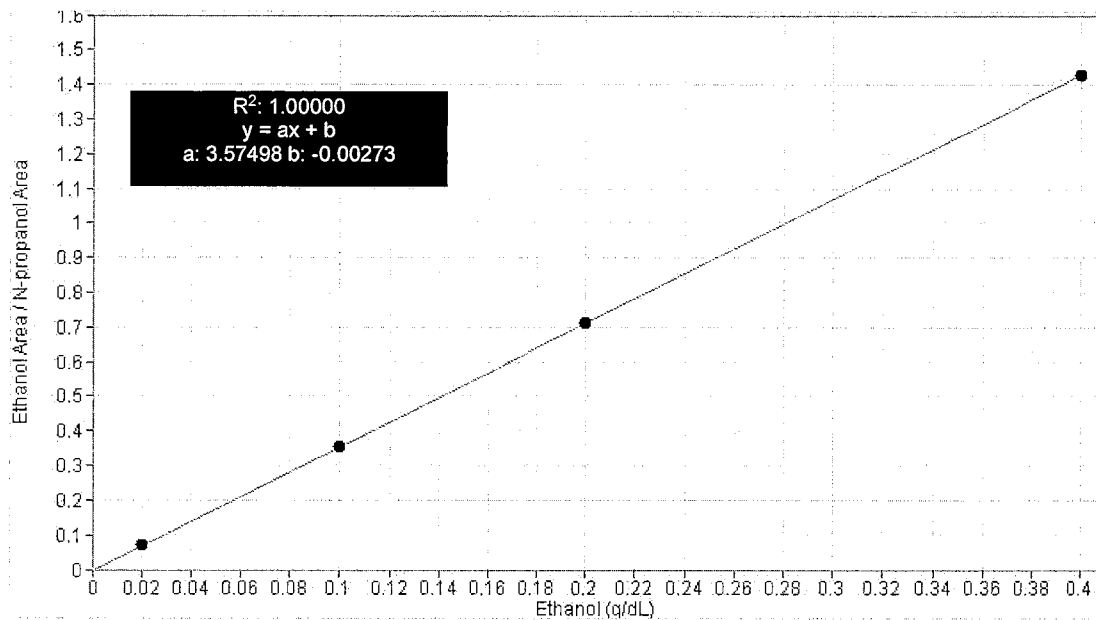
SEQUENCE NAME: 04Oct22

ANALYST: Abbott 

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	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/8	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	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.403	0.400	0.75	0.003
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.199 4110320133/8	44	0.202	0.199	1.51	0.003
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.475	165.875	0.069
0.100	60.624	171.374	0.354
0.200	119.850	168.085	0.713
0.400	237.587	166.480	1.427

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN10051909	Vial:	1
Description:	0.020 calibrator	Sequence:	04Oct22
Method:	ethanol quant.M	Injection date:	10/4/2022 12:33:14 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>JA</i>
Data file:	C:\Chem32\1\Data\04Oct22\1.D		

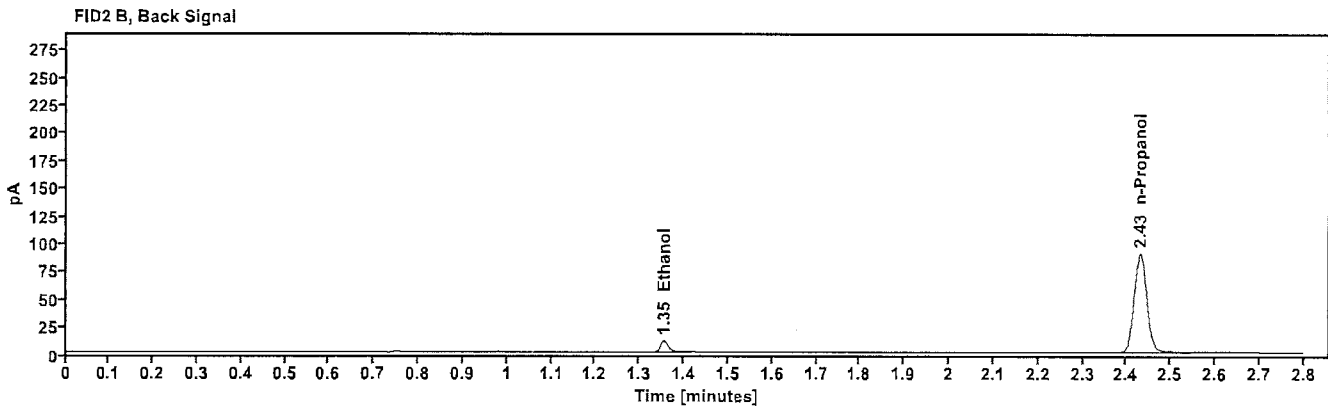
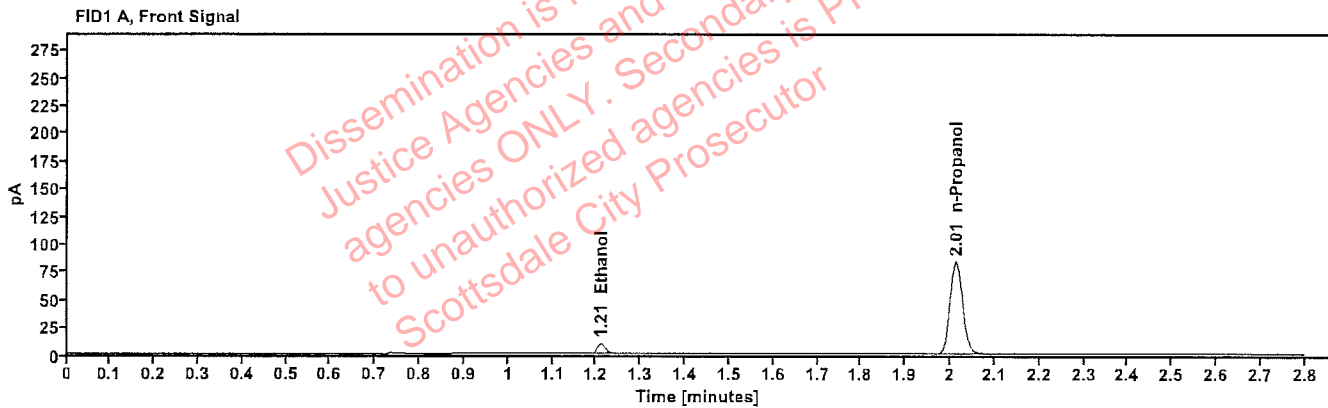


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	11.475
n-Propanol	2.012	165.875

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

Compound	Time (min)	Peak Area
Ethanol	1.355	12.365
n-Propanol	2.431	178.867

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	04Oct22
Method:	ethanol quant.M	Injection date:	10/4/2022 12:37:14 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\04Oct22\2.D		

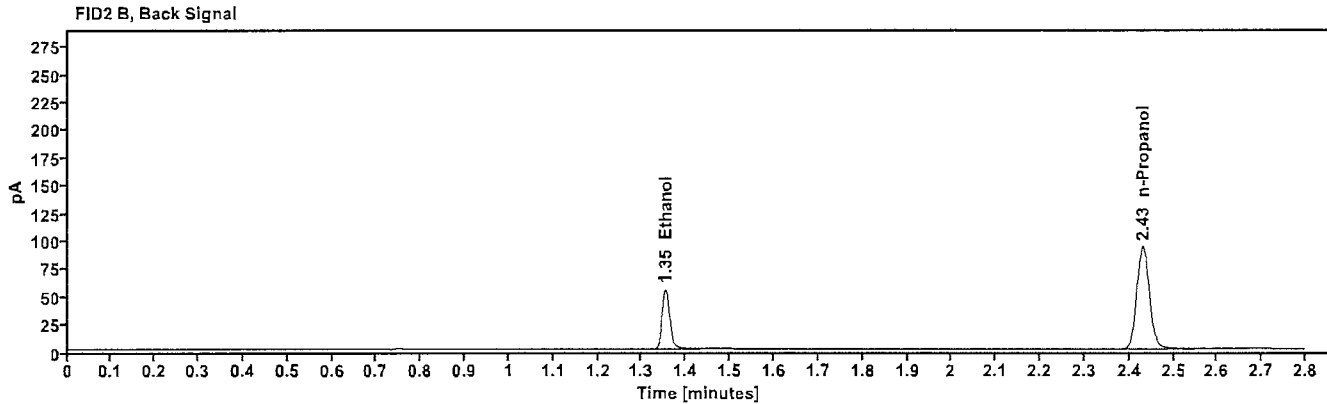
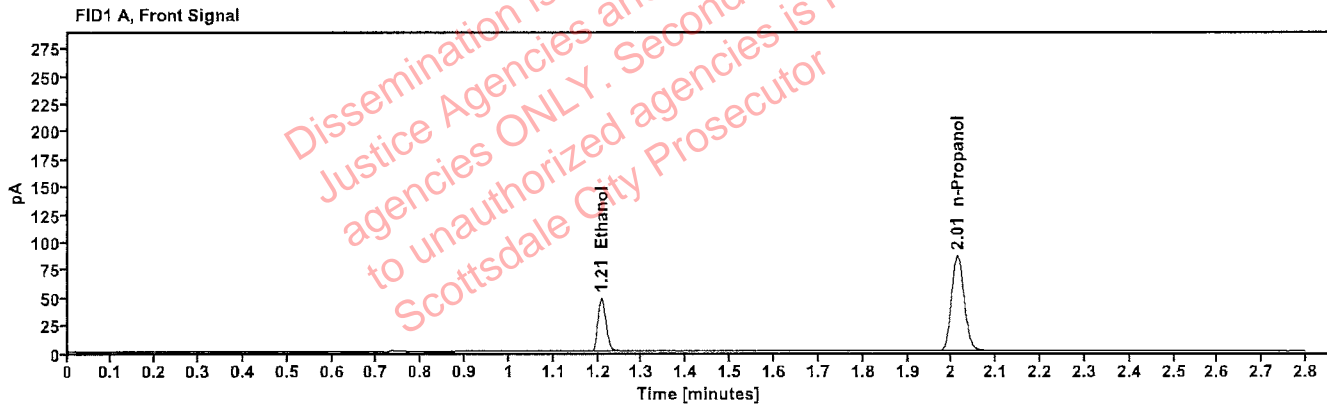


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	60.624
n-Propanol	2.013	171.374

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

Compound	Time (min)	Peak Area
Ethanol	1.353	65.942
n-Propanol	2.431	185.065

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN02052101	Vial:	3
Description:	0.200 calibrator	Sequence:	04Oct22
Method:	ethanol quant.M	Injection date:	10/4/2022 12:41:14 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>JA</i>
Data file:	C:\Chem32\1\Data\04Oct22\3.D		

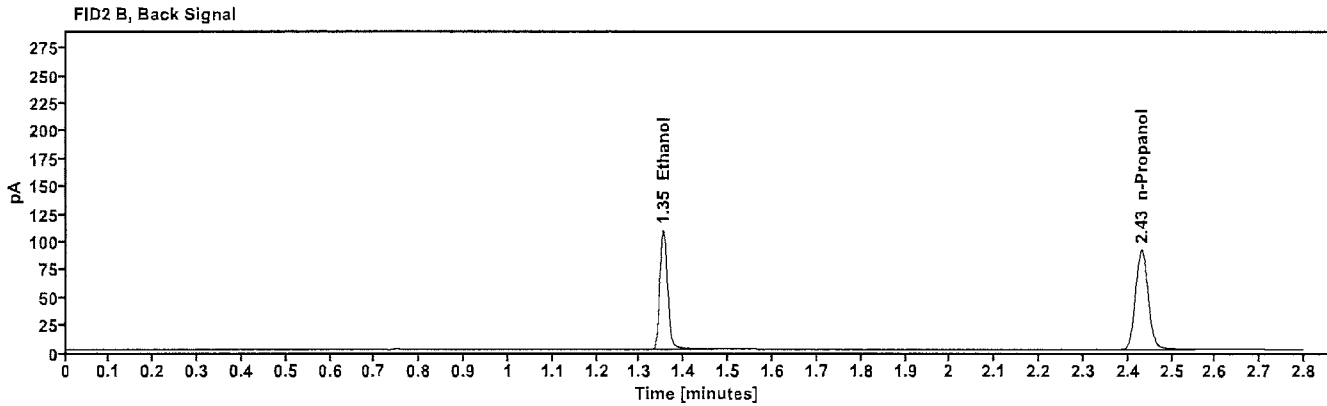
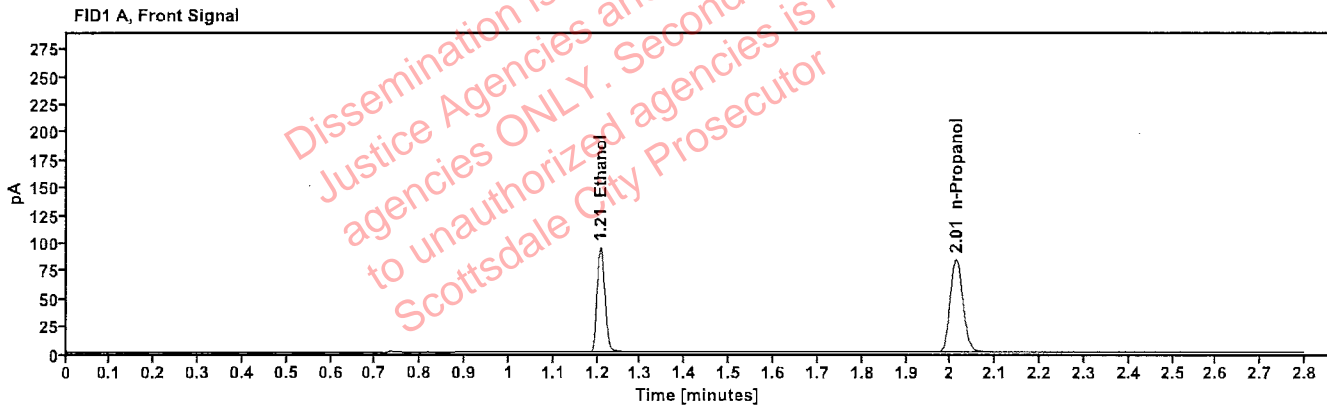


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	119.850
n-Propanol	2.013	168.085

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

Compound	Time (min)	Peak Area
Ethanol	1.353	131.441
n-Propanol	2.431	181.621

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	04Oct22
Method:	ethanol quant.M	Injection date:	10/4/2022 12:45:14 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\04Oct22\4.D		

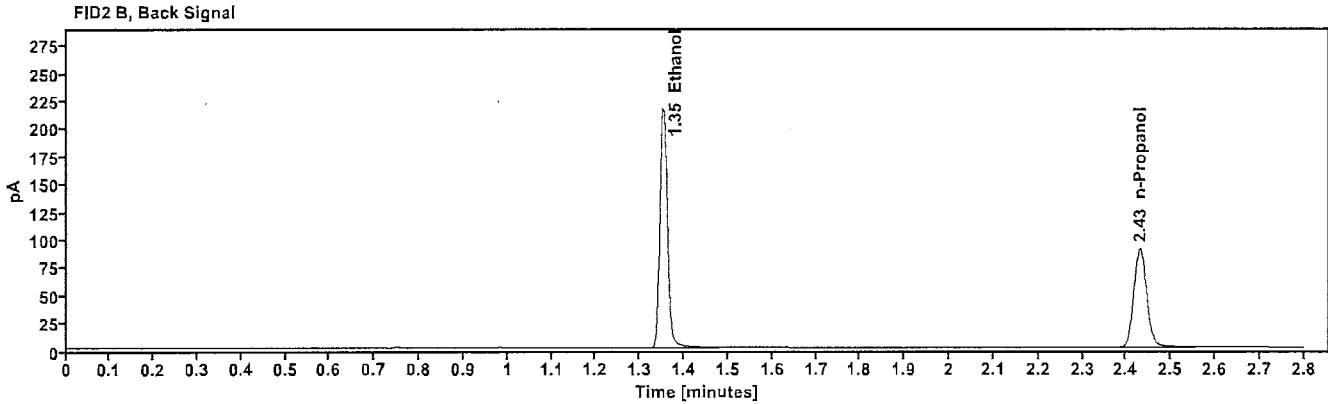
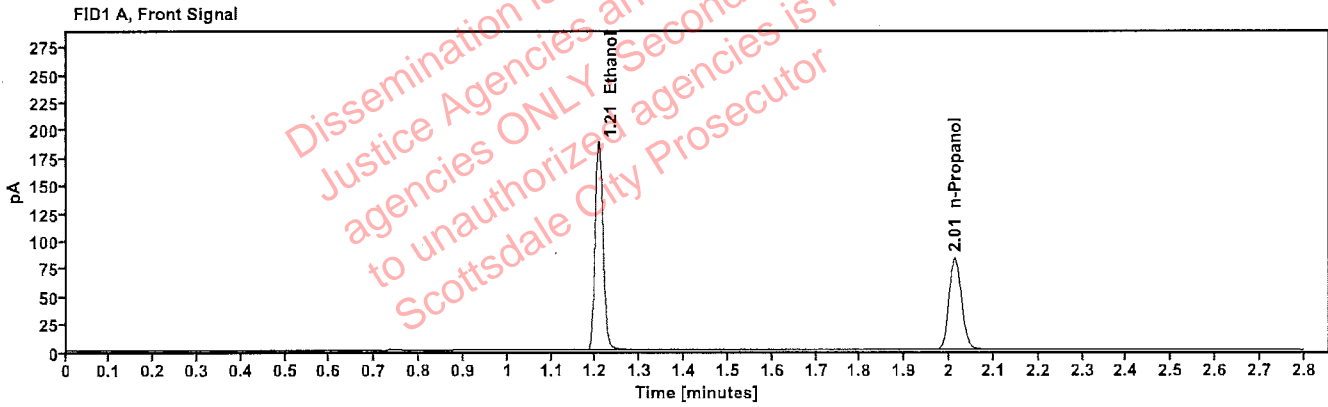


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.206	237.587
n-Propanol	2.012	166.480

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

Compound	Time (min)	Peak Area
Ethanol	1.352	261.280
n-Propanol	2.430	180.002

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070622AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 04Oct22
Instrument: US14173023 CN14160045	Injection date: 10/4/2022 12:49:14 PM
Data file: C:\Chem32\1\Data\04Oct22\5.D	Analyst: Abbott

JA

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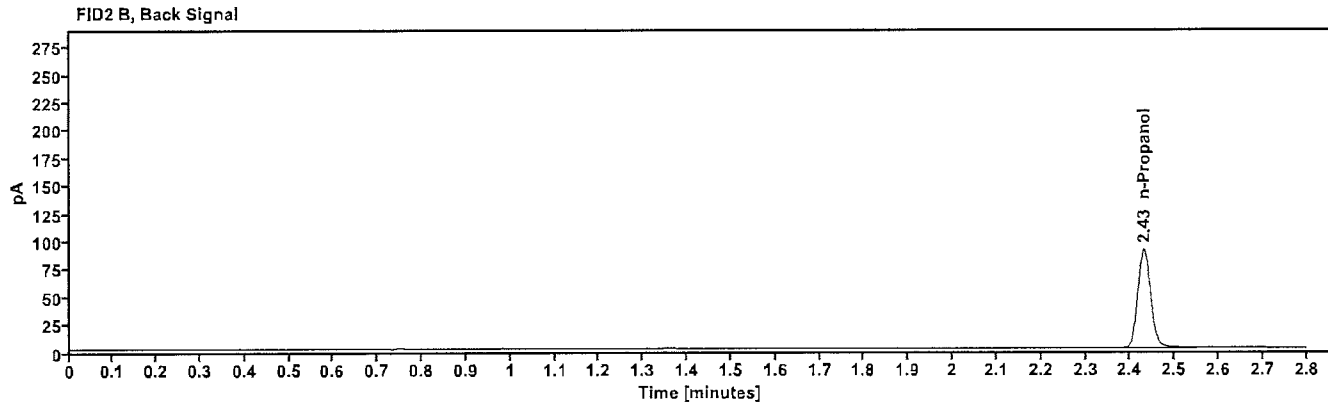
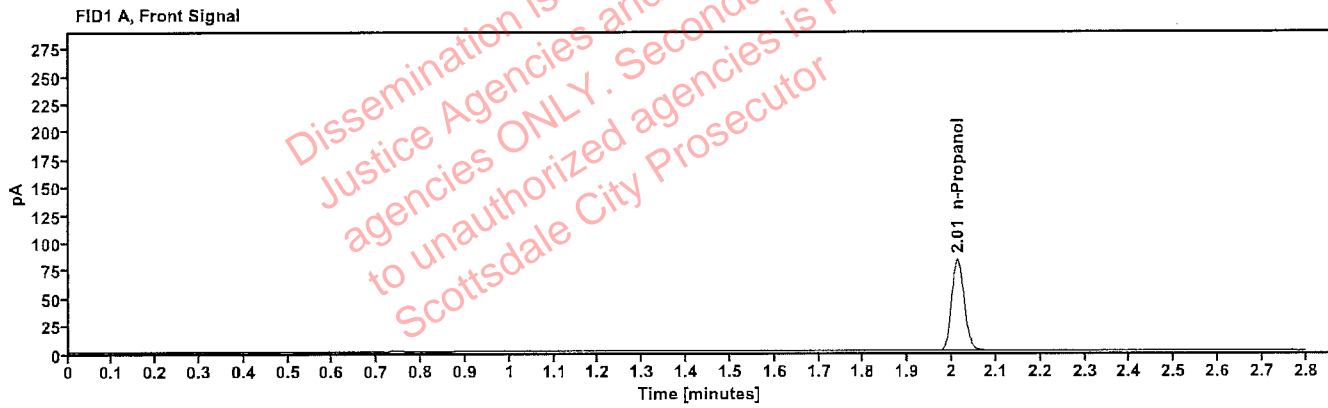


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.012	165.745

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

Compound	Time (min)	Peak Area
n-Propanol	2.431	179.105

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 12:53:14 PM
Data file:	C:\Chem32\1\Data\04Oct22\6.D	Analyst:	Abbott

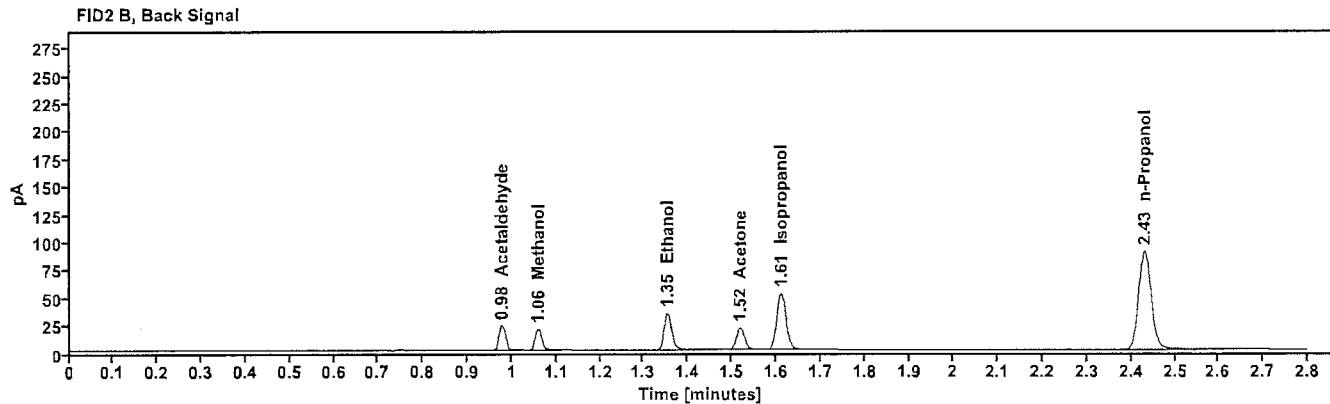
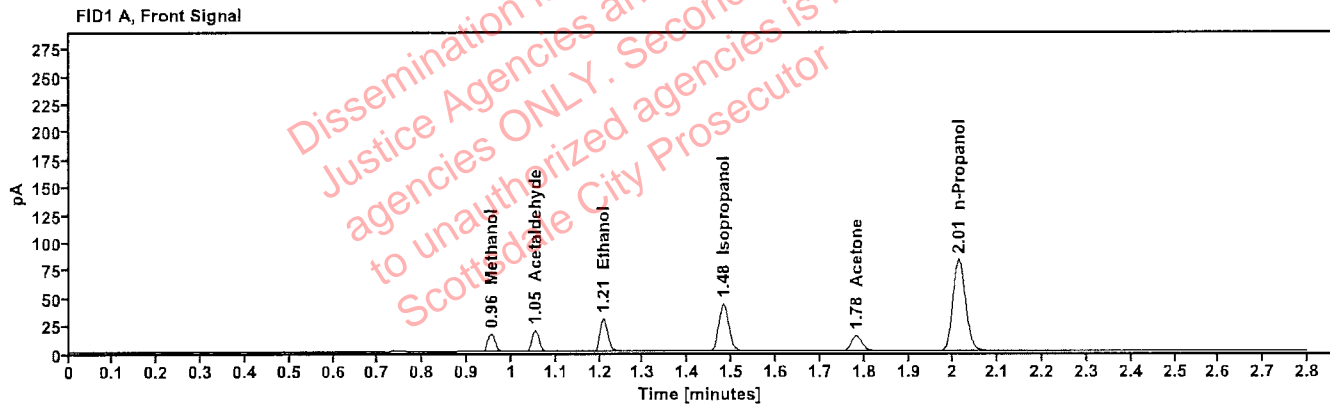


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.955	18.170
Acetaldehyde	-----	1.053	20.819
>Ethanol	0.0643	1.208	37.498
Isopropanol	-----	1.481	68.703
Acetone	-----	1.782	23.945
n-Propanol	-----	2.012	165.015

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.977	23.255
Methanol	1.059	19.869
Ethanol	1.354	40.765
Acetone	1.518	26.158
Isopropanol	1.611	76.093
n-Propanol	2.430	178.473

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 04Oct22
Instrument: US14173023 CN14160045	Injection date: 10/4/2022 12:57:29 PM
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JA

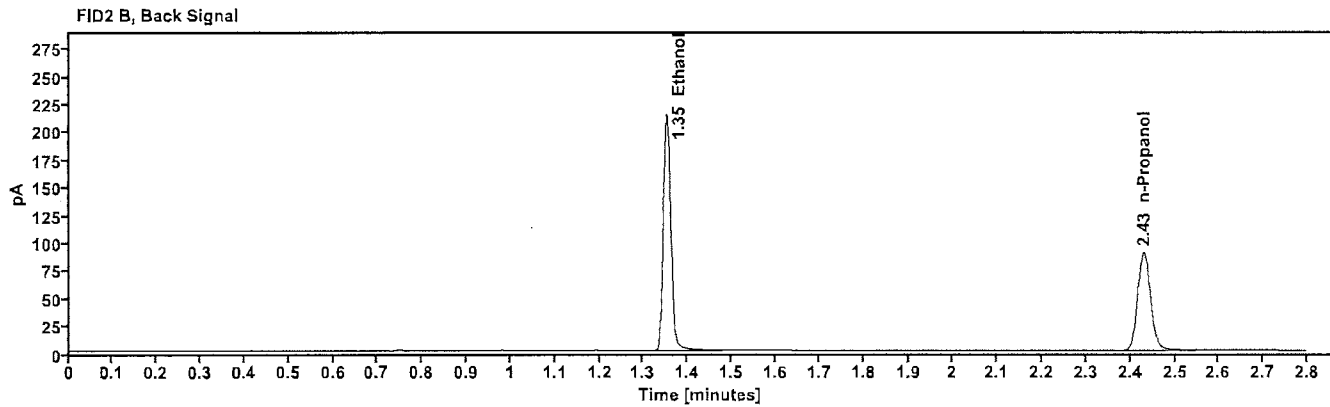
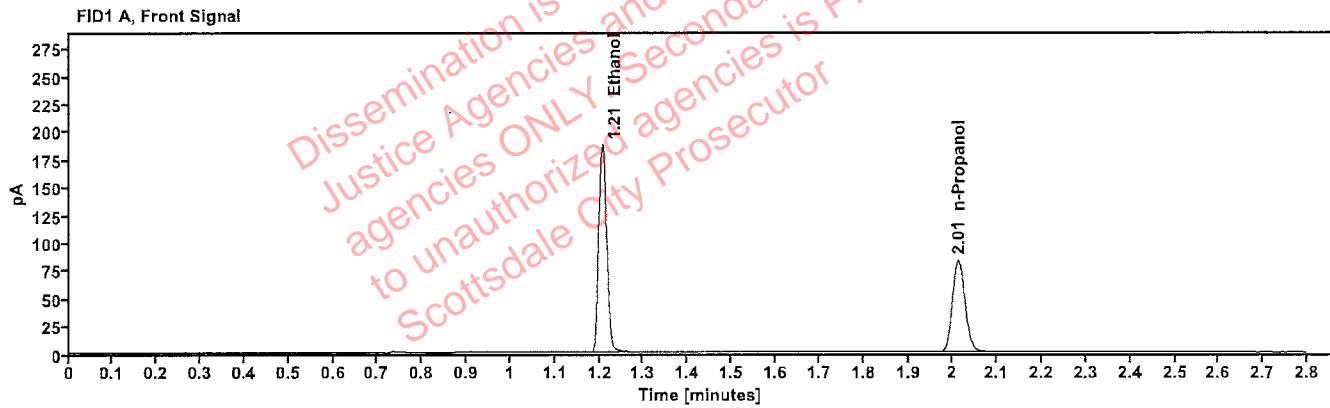


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4002	1.206	235.957
n-Propanol	----	2.012	165.241

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

Compound	Time (min)	Peak Area
Ethanol	1.352	259.605
n-Propanol	2.430	178.577

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:01:29 PM
Data file:	C:\Chem32\1\Data\04Oct22\8.D	Analyst:	Abbott

JA

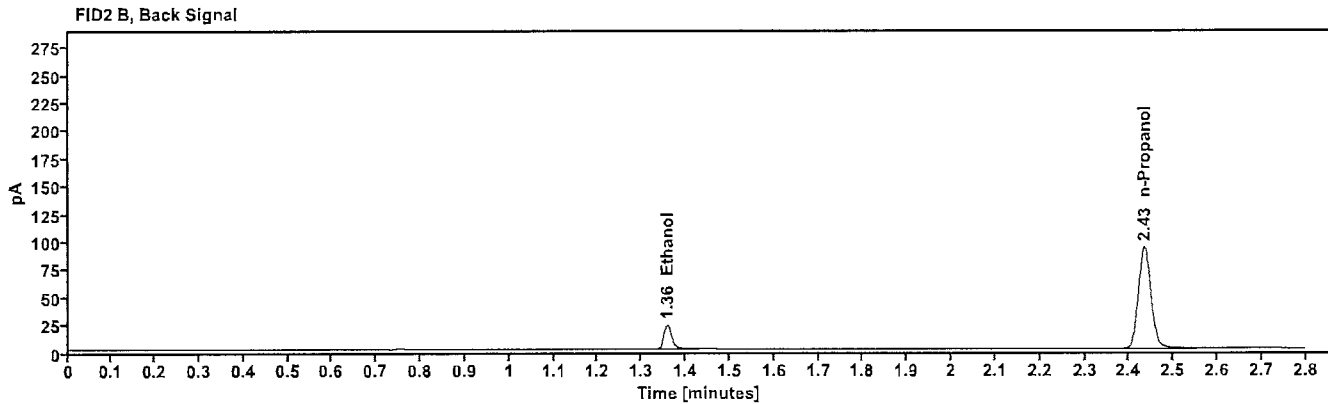
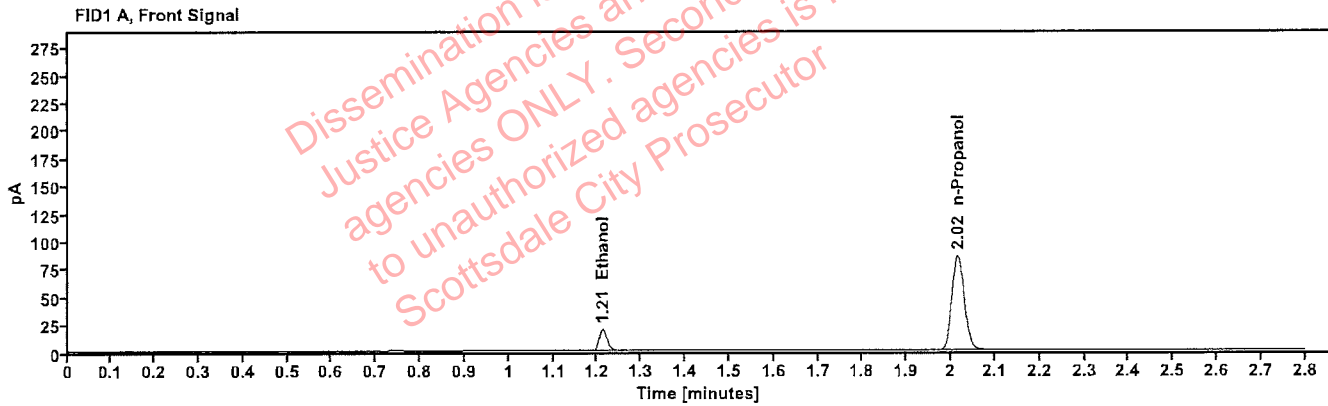


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0417	1.211	25.043
n-Propanol	---	2.015	171.123

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

Compound	Time (min)	Peak Area
Ethanol	1.358	27.212
n-Propanol	2.434	184.978

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:05:29 PM
Data file:	C:\Chem32\1\Data\04Oct22\9.D	Analyst:	Abbott <i>MA</i>

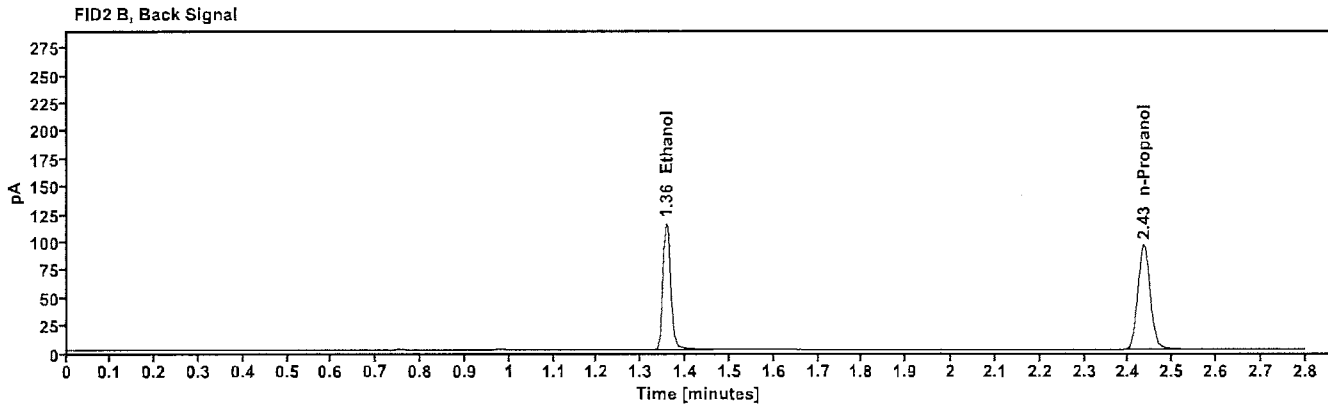
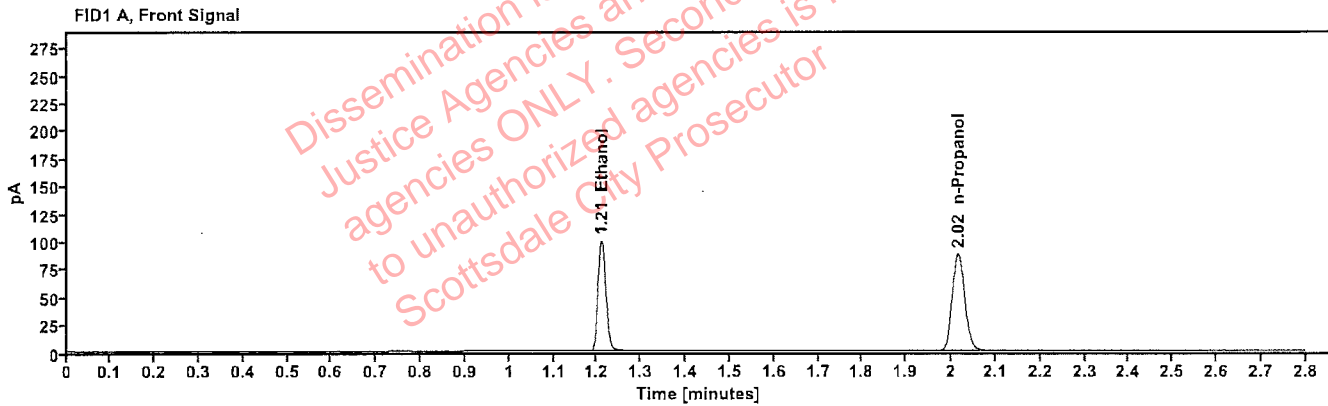


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2042	1.210	127.277
n-Propanol	-----	2.015	175.045

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

Compound	Time (min)	Peak Area
Ethanol	1.357	139.670
n-Propanol	2.434	189.203

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:49:59 PM
Data file:	C:\Chem32\1\Data\04Oct22\20.D	Analyst:	Abbott JA

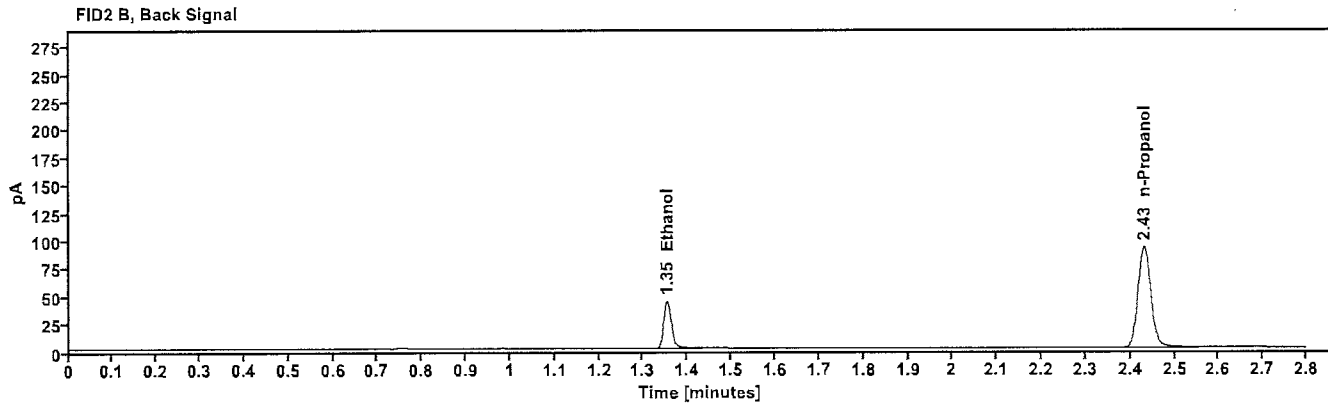
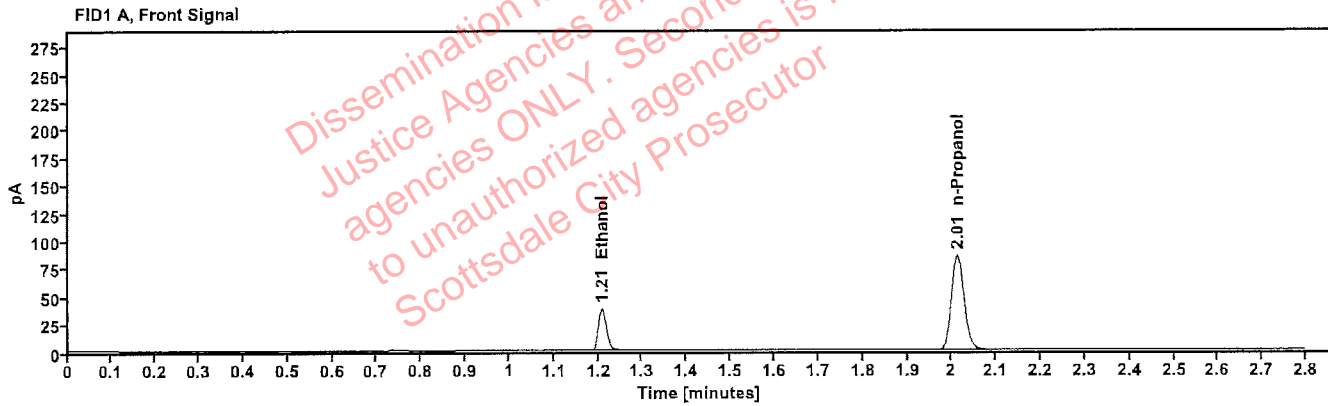


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0802	1.208	48.352
n-Propanol	-----	2.013	170.188

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

Compound	Time (min)	Peak Area
Ethanol	1.354	52.619
n-Propanol	2.431	183.766

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:34:28 PM
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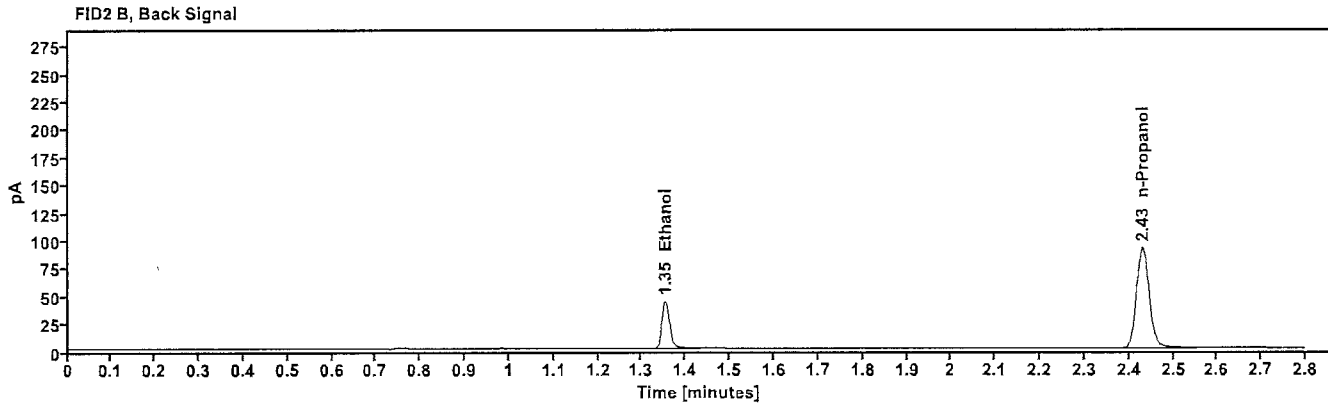
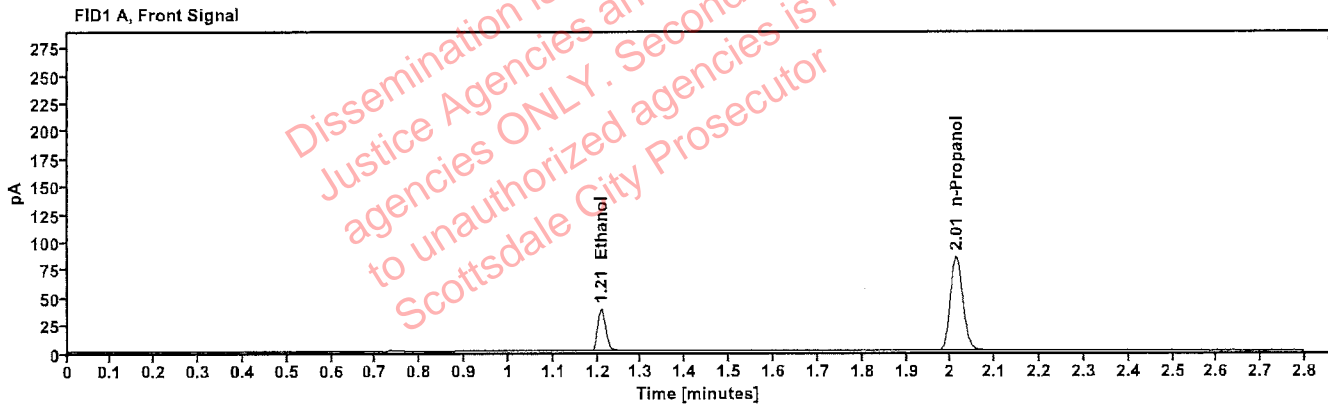


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.208	48.468
n-Propanol	-----	2.013	169.520

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

Compound	Time (min)	Peak Area
Ethanol	1.354	52.651
n-Propanol	2.431	183.209

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:18:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\42.D	Analyst:	Abbott

Abbott

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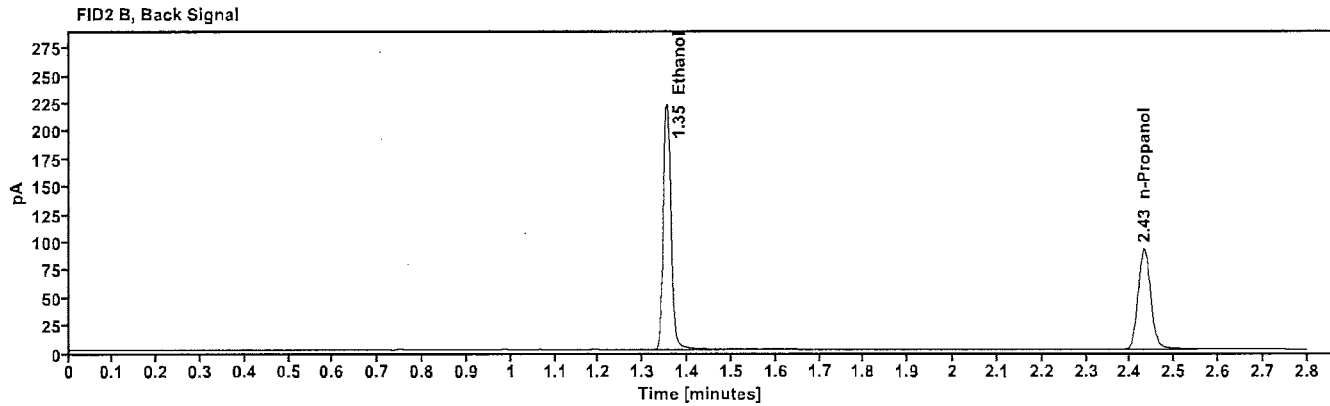
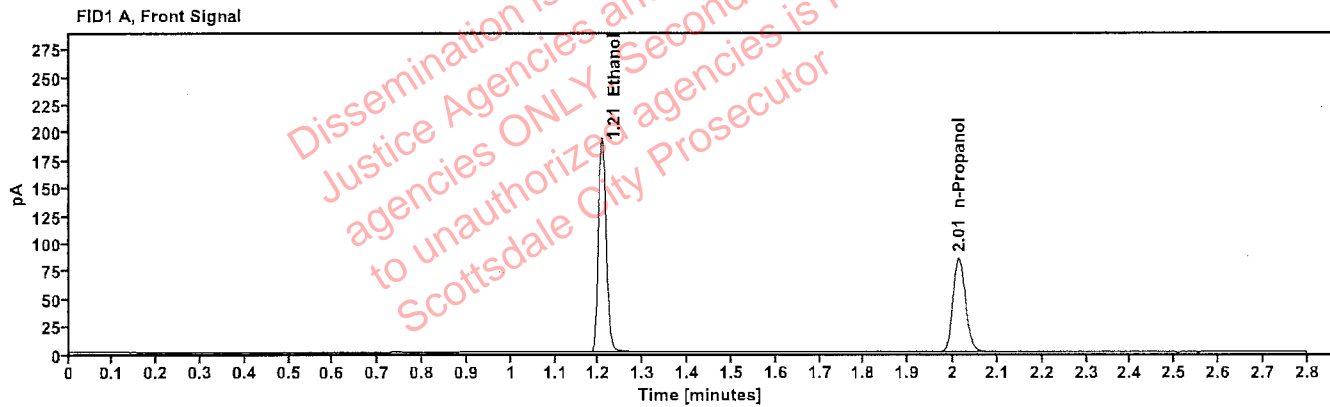


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4038	1.207	244.549
n-Propanol	---	2.013	169.710

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

Compound	Time (min)	Peak Area
Ethanol	1.353	269.364
n-Propanol	2.431	183.314

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:22:59 PM
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MA

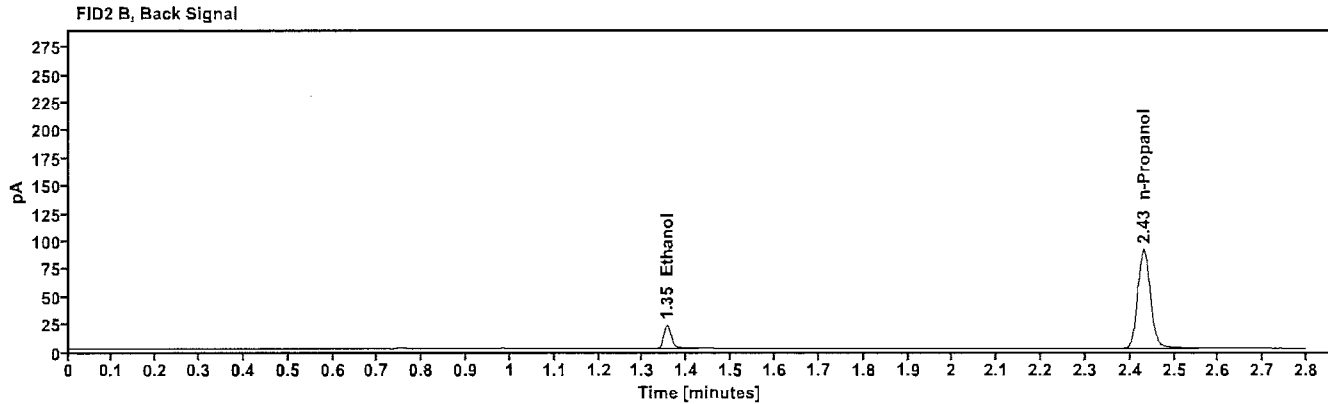
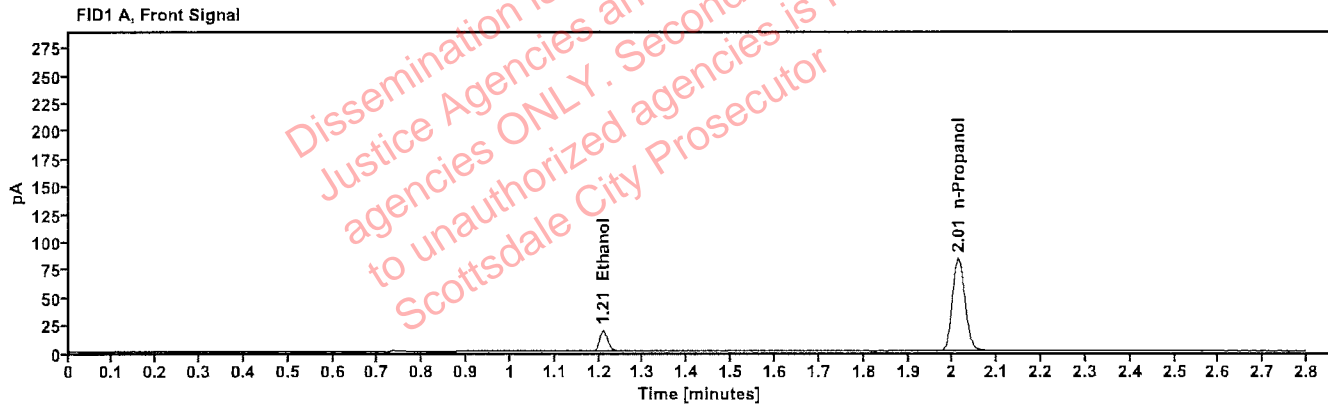


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.209	23.840
n-Propanol	-----	2.013	167.341

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

Compound	Time (min)	Peak Area
Ethanol	1.354	25.844
n-Propanol	2.431	181.019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:26:59 PM
Data file:	C:\Chem32\1\Data\04Oct22\44.D	Analyst:	Abbott

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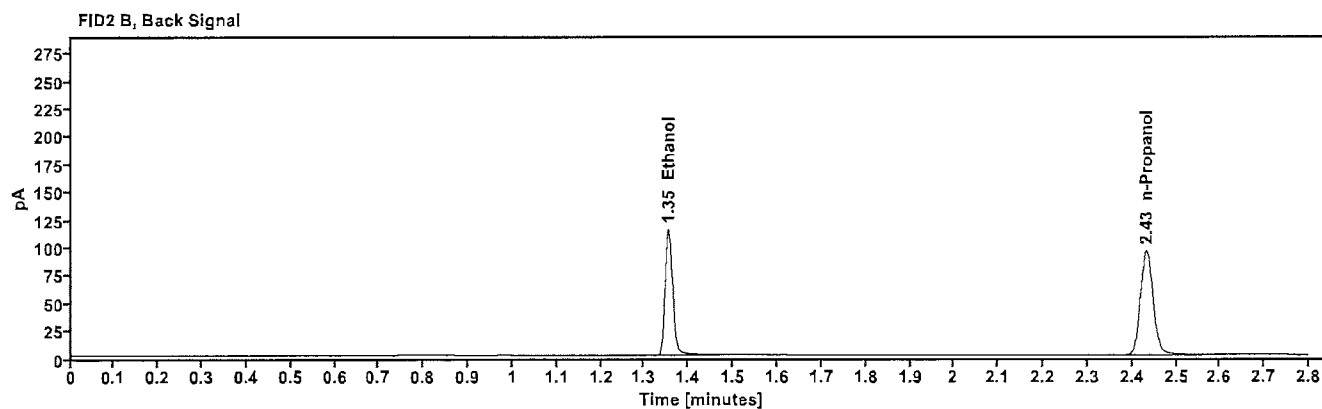
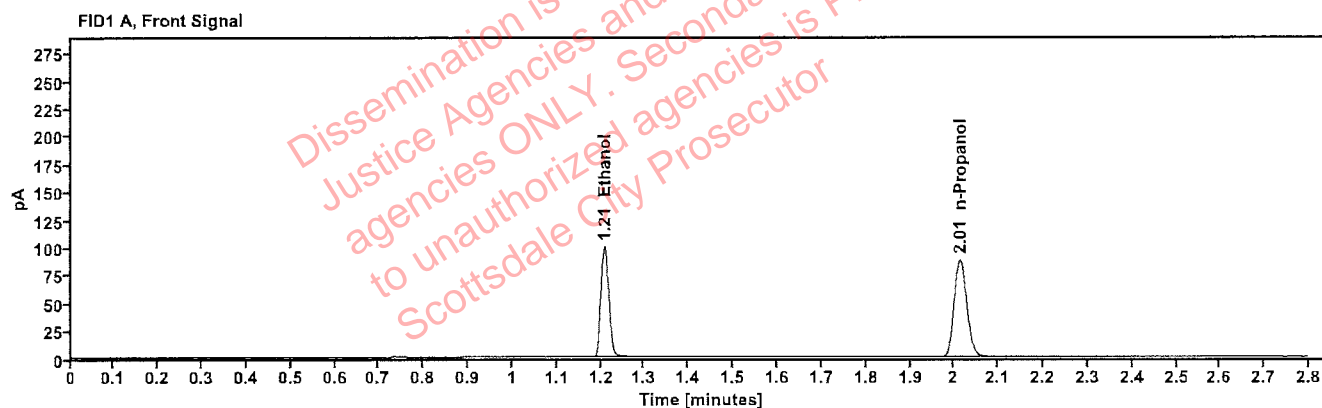


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2027	1.208	126.551
n-Propanol	---	2.014	175.342

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

Compound	Time (min)	Peak Area
Ethanol	1.355	138.807
n-Propanol	2.432	189.676

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:30:59 PM
Data file:	C:\Chem32\1\Data\04Oct22\45.D	Analyst:	Abbott DA

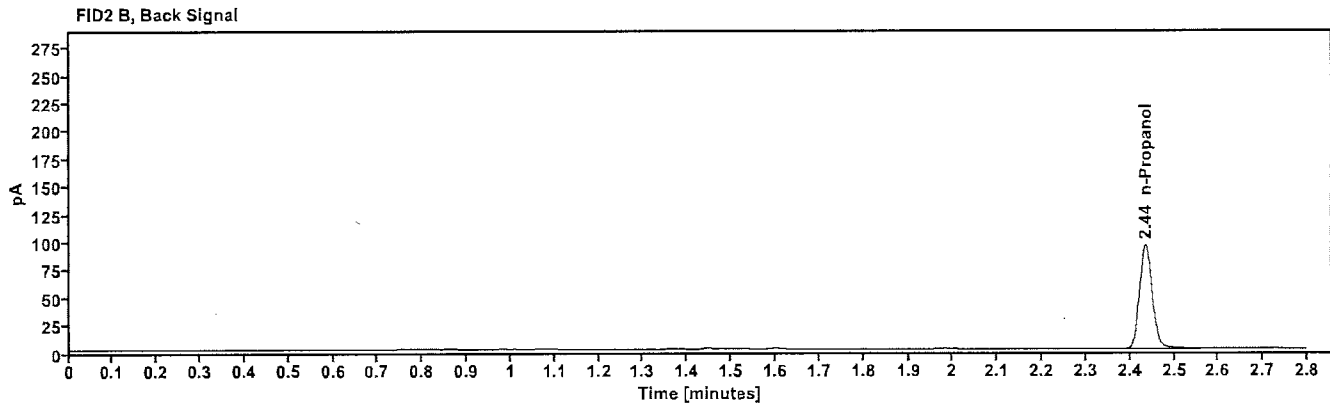
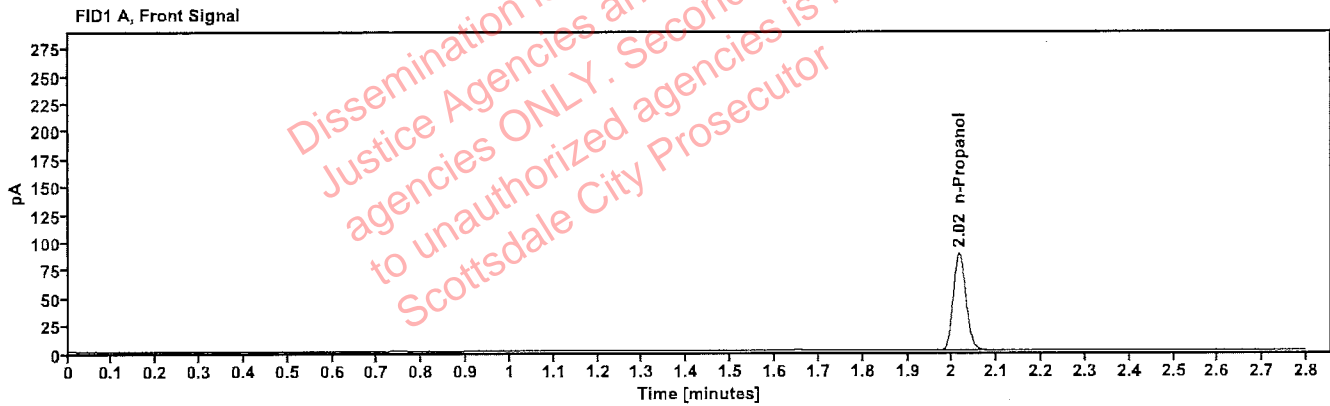


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	174.486

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	189.393

Sequence Summary

Sequence name: 04Oct22 Instrument: US14173023 CN14160045 Analyst: Abbott *JA*

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	1435716		Sample		ethanol quant.M
11	1435716		Sample		ethanol quant.M
12	1434129		Sample		ethanol quant.M
13	1434129		Sample		ethanol quant.M
14	1435434		Sample		ethanol quant.M
15	1435434		Sample		ethanol quant.M
16	1437986		Sample		ethanol quant.M
17	1437986		Sample		ethanol quant.M
18	1438759		Sample		ethanol quant.M
19	1438759		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1438743		Sample		ethanol quant.M
22	1438743		Sample		ethanol quant.M
23	1438367		Sample		ethanol quant.M
24	1438367		Sample		ethanol quant.M
25	1439016		Sample		ethanol quant.M
26	1439016		Sample		ethanol quant.M
27	1439025		Sample		ethanol quant.M
28	1439025		Sample		ethanol quant.M
29	1439314		Sample		ethanol quant.M
30	1439314		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1412613		Sample		ethanol quant.M
33	1412613		Sample		ethanol quant.M
34	1439326		Sample		ethanol quant.M
35	1439326		Sample		ethanol quant.M
36	1437233		Sample		ethanol quant.M
37	1437233		Sample		ethanol quant.M
38	1439748		Sample		ethanol quant.M
39	1439748		Sample		ethanol quant.M
40	1436656		Sample		ethanol quant.M
41	1436656		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

Dissemination is restricted to Criminal Justice Agencies and authorized agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 04Oct22

ANALYST: Abbott *MA*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1357	0.1340	0.13485	0.63	0.00085
12 13	0.1603	0.1617	0.16100	0.43	0.00070
14 15	0.1329	0.1347	0.13380	0.67	0.00090
16 17	0.2369	0.2435	0.24020	1.37	0.00330
18 19	0.1988	0.1995	0.19915	0.18	0.00035
21 22	0.0219	0.0216	0.02175	0.69	0.00015
23 24	0.1126	0.1134	0.11300	0.35	0.00040
25 26	0.1388	0.1389	0.13885	0.04	0.00005
27 28	0.1298	0.1283	0.12905	0.58	0.00075
29 30	0.1788	0.1818	0.18030	0.83	0.00150
32 33	0.0000	0.0000	0.00000	0.00	0.00000
34 35	0.2565	0.2593	0.25790	0.54	0.00140
36 37	0.1458	0.1451	0.14545	0.24	0.00035
38 39	0.0984	0.0965	0.09745	0.97	0.00095
40 41	0.2491	0.2558	0.25245	1.33	0.00335

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1435716	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:09:28 PM
Data file:	C:\Chem32\1\Data\04Oct22\10.D	Analyst:	Abbott

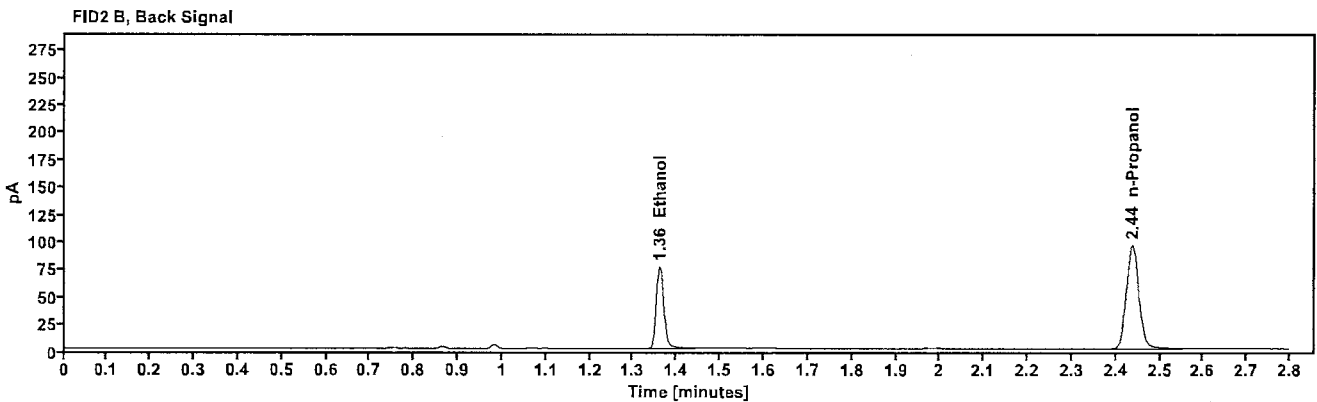
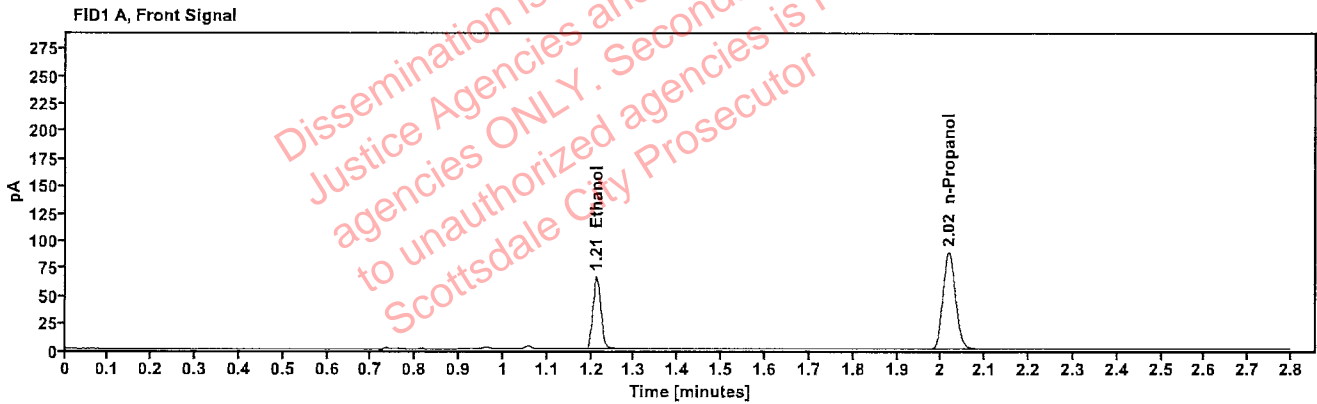


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1357	1.212	84.726
n-Propanol	---	2.017	175.585

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

Compound	Time (min)	Peak Area
Ethanol	1.360	92.539
n-Propanol	2.438	189.904

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1435716	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:13:29 PM
Data file:	C:\Chem32\1\Data\04Oct22\11.D	Analyst:	Abbott

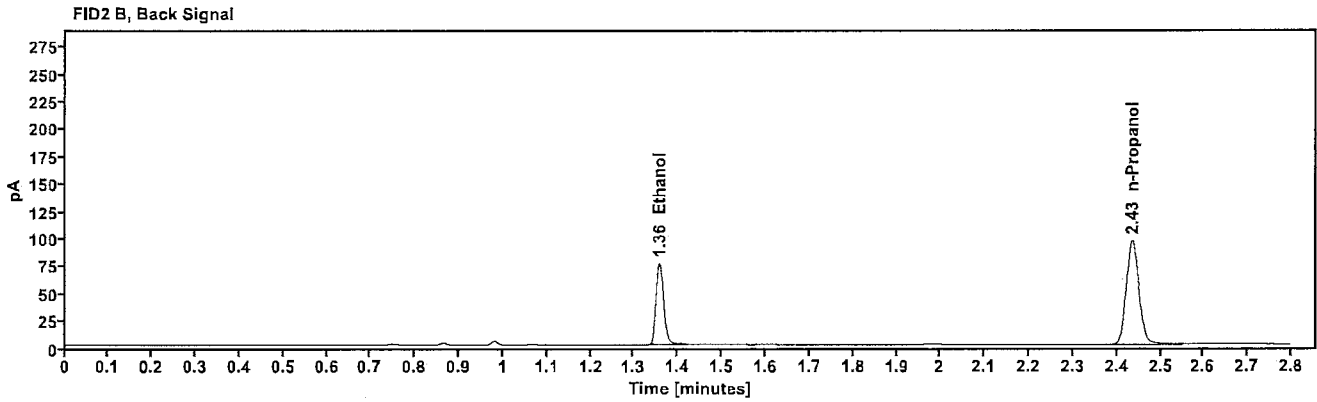
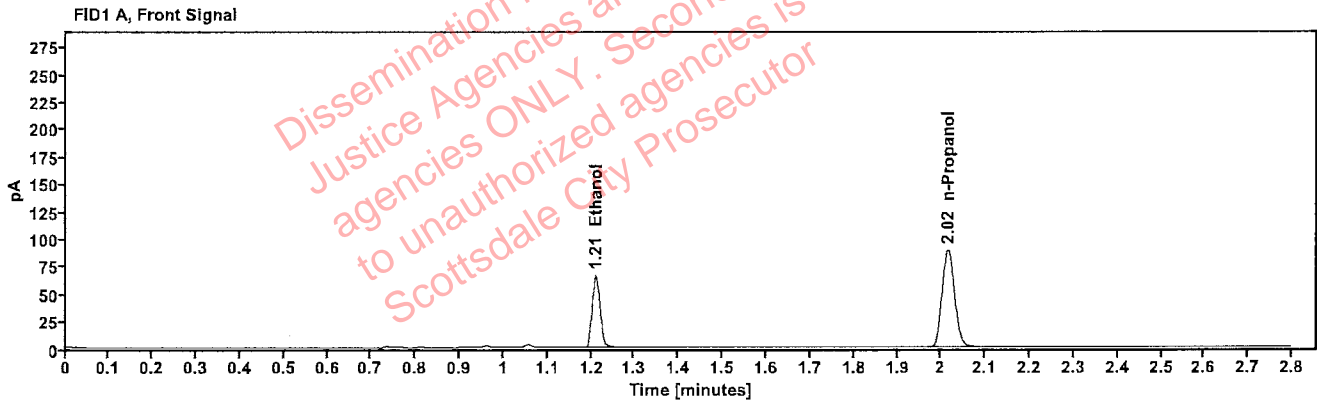


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1340	1.210	84.303
n-Propanol	-----	2.015	177.030

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

Compound	Time (min)	Peak Area
Ethanol	1.358	91.863
n-Propanol	2.435	191.416

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434129	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:17:28 PM
Data file:	C:\Chem32\1\Data\04Oct22\12.D	Analyst:	Abbott

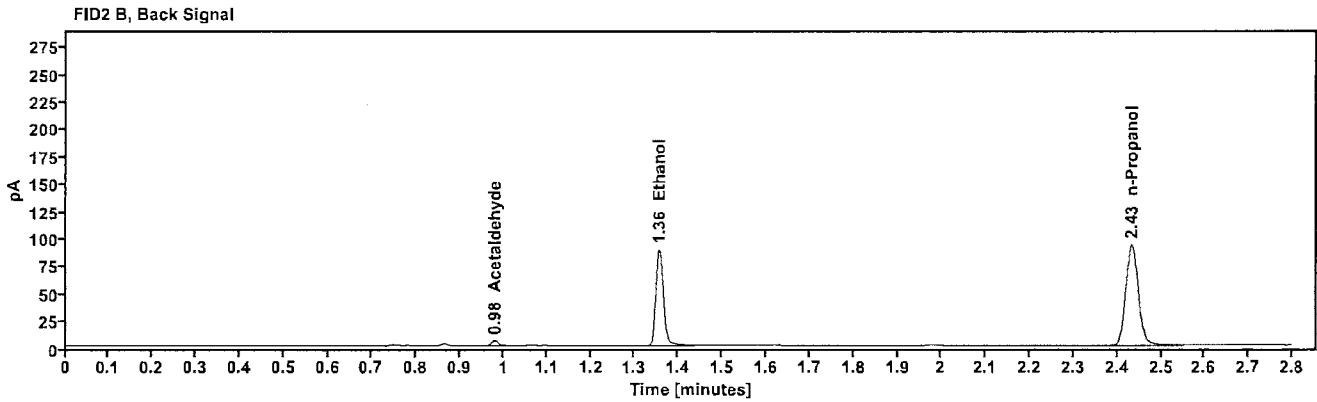
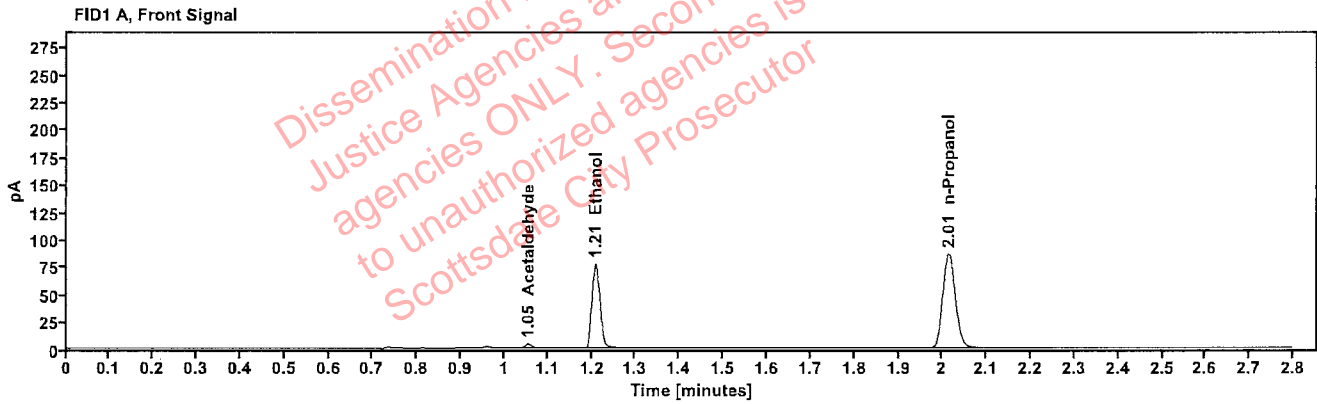


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.016
>Ethanol	0.1603	1.209	97.939
n-Propanol	-----	2.014	171.766

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	4.532
Ethanol	1.355	106.904
n-Propanol	2.433	185.459

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434129	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:21:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\13.D	Analyst:	Abbott

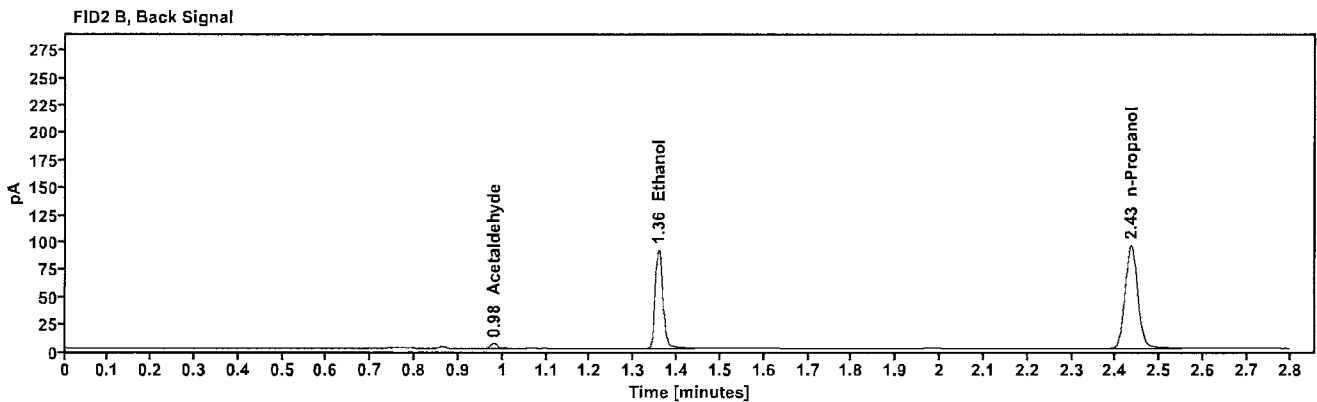
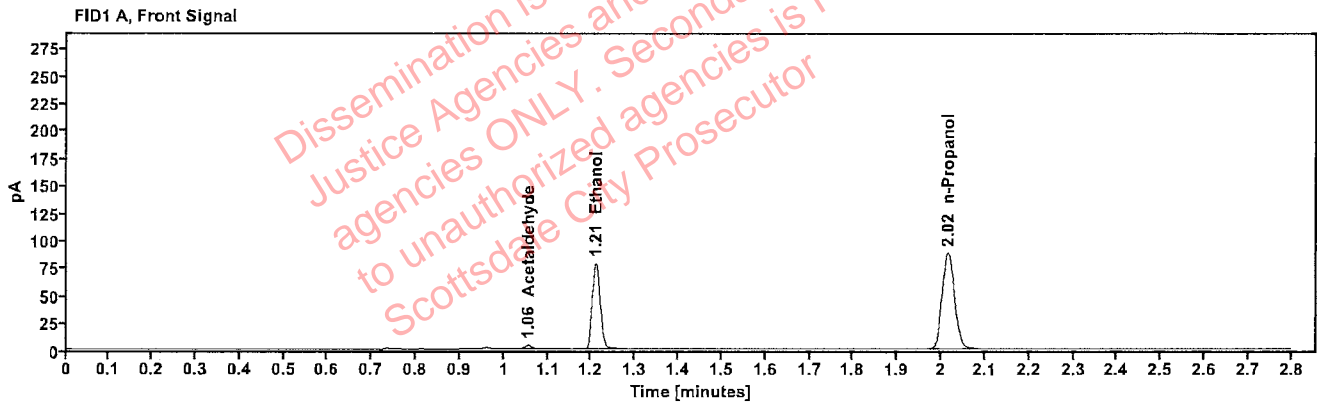


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.961
>Ethanol	0.1617	1.210	101.076
n-Propanol	-----	2.015	175.679

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	4.438
Ethanol	1.357	110.365
n-Propanol	2.434	189.714

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1435434	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:25:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\14.D	Analyst:	Abbott

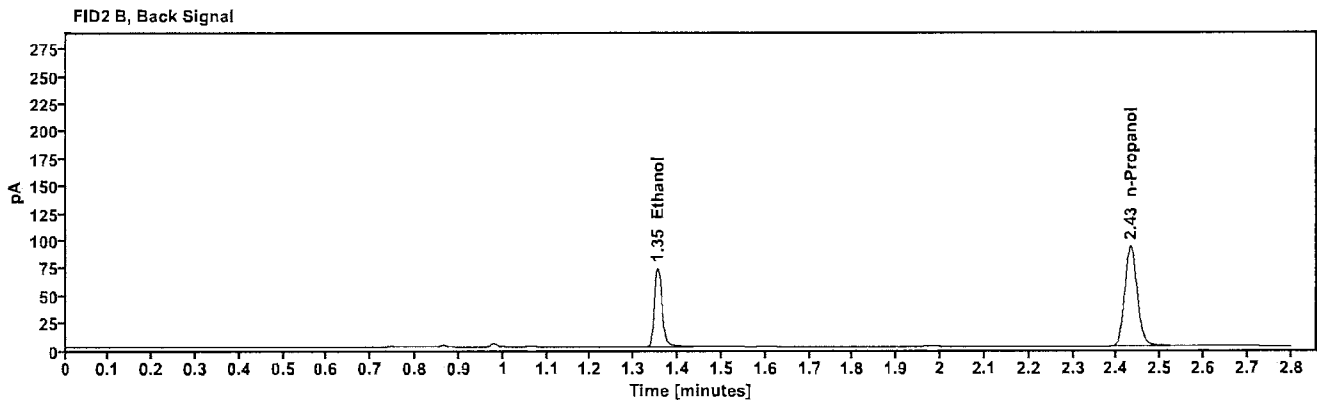
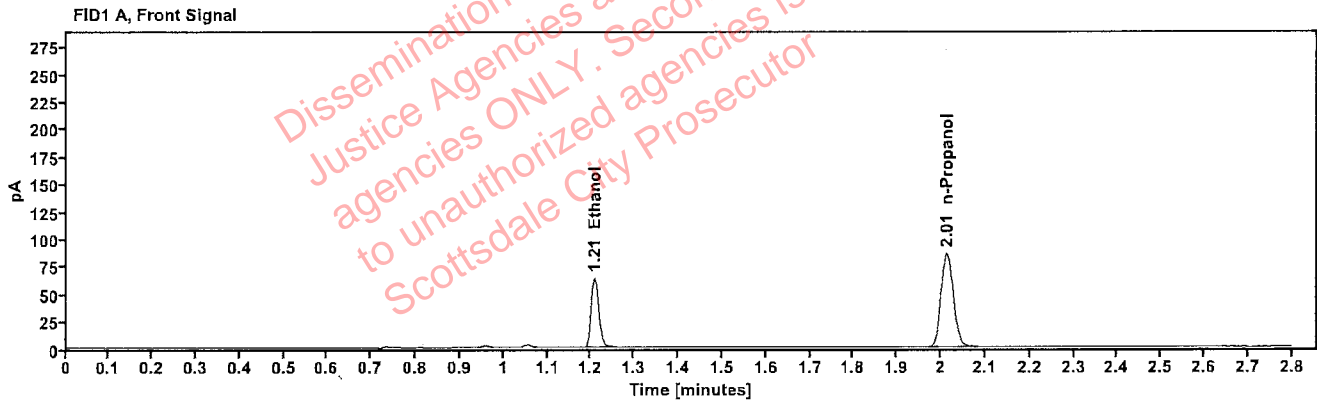


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1329	1.208	80.771
n-Propanol	----	2.013	170.938

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

Compound	Time (min)	Peak Area
Ethanol	1.354	87.850
n-Propanol	2.432	184.467

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1435434	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:29:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\15.D	Analyst:	Abbott

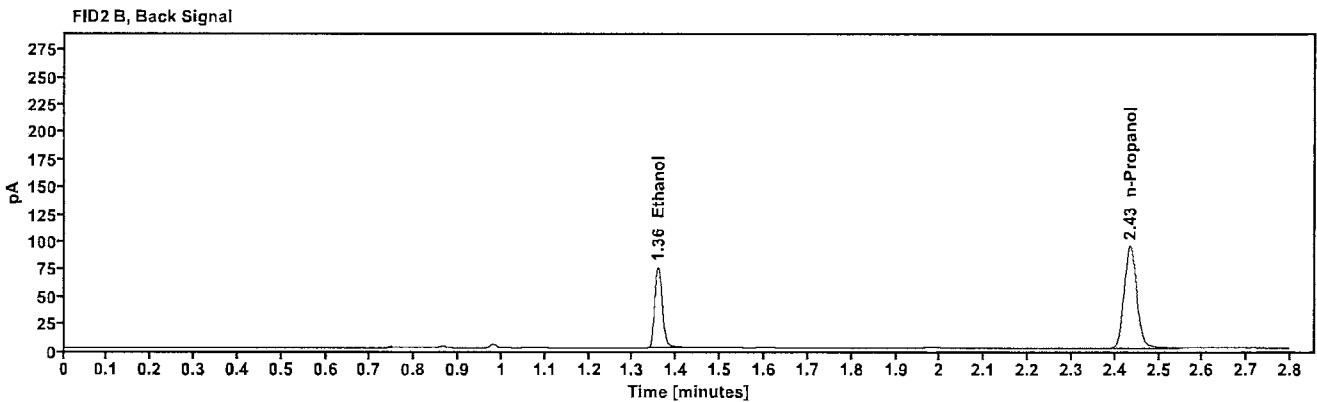
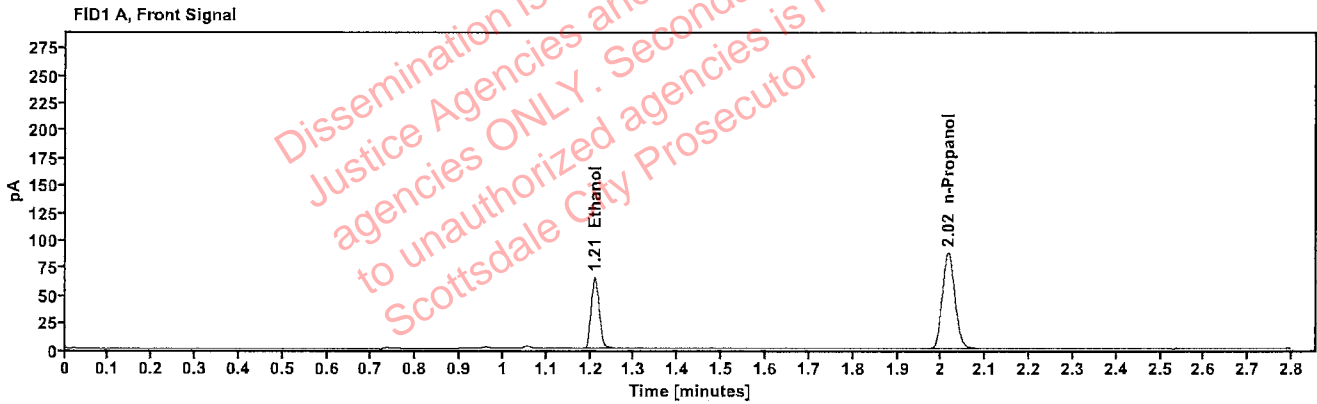


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1347	1.210	83.559
n-Propanol	---	2.015	174.458

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

Compound	Time (min)	Peak Area
Ethanol	1.357	91.075
n-Propanol	2.434	188.317

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1437986	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:33:43 PM
Data file:	C:\Chem32\1\Data\04Oct22\16.D	Analyst:	Abbott

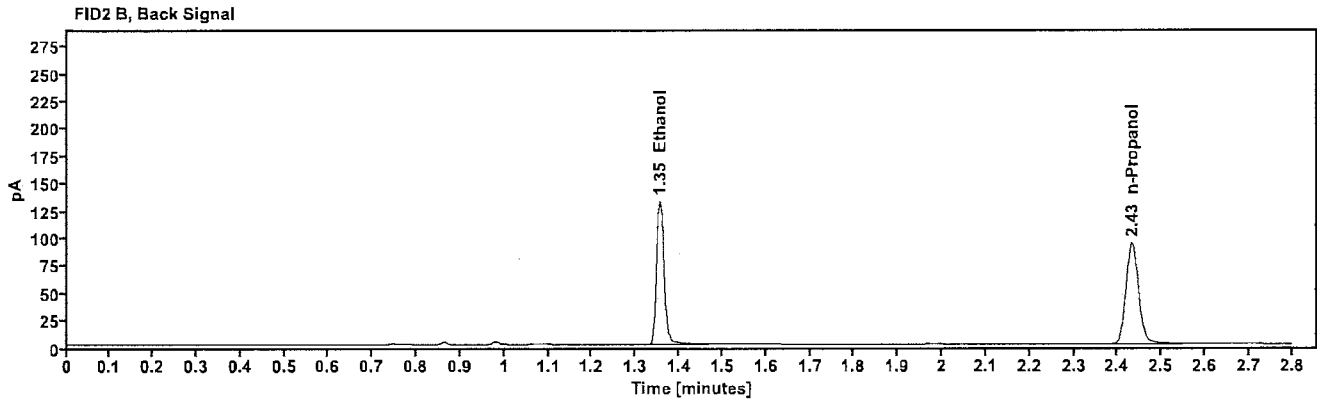
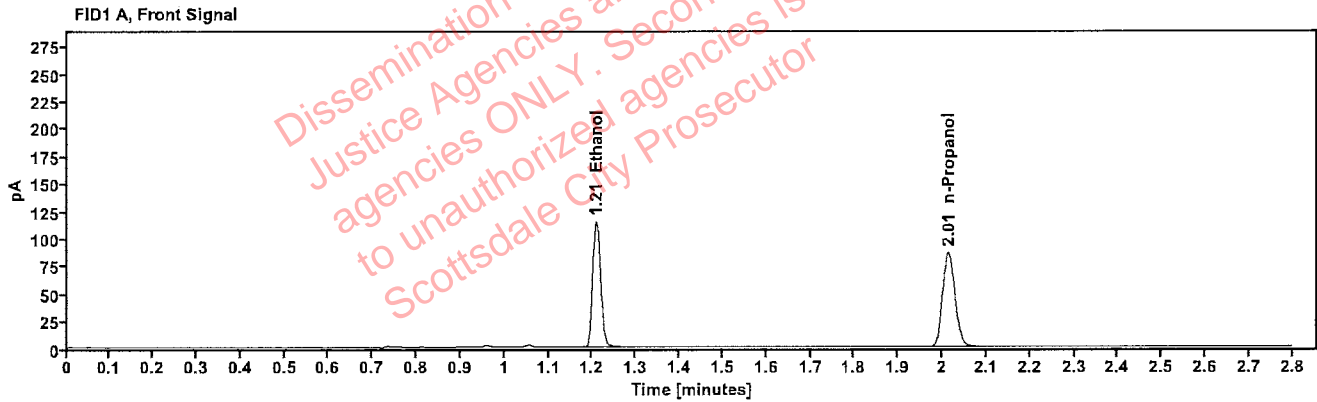


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2369	1.208	145.232
n-Propanol	----	2.014	172.070

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

Compound	Time (min)	Peak Area
Ethanol	1.355	159.312
n-Propanol	2.433	185.727

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1437986	Vial:	17
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:37:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\17.D	Analyst:	Abbott

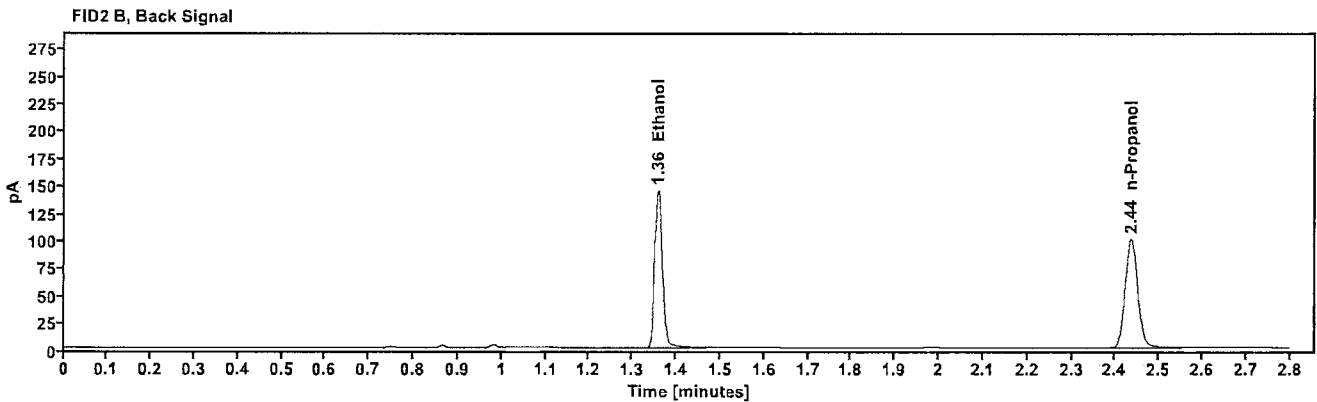
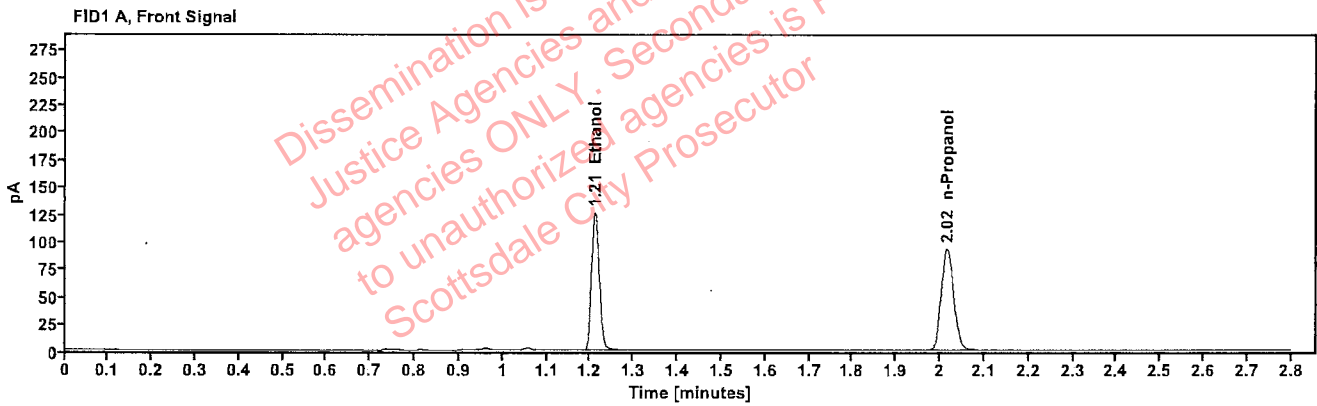


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2435	1.210	160.905
n-Propanol	-----	2.016	185.437

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

Compound	Time (min)	Peak Area
Ethanol	1.359	176.457
n-Propanol	2.436	200.315

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1438759	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:41:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\18.D	Analyst:	Abbott

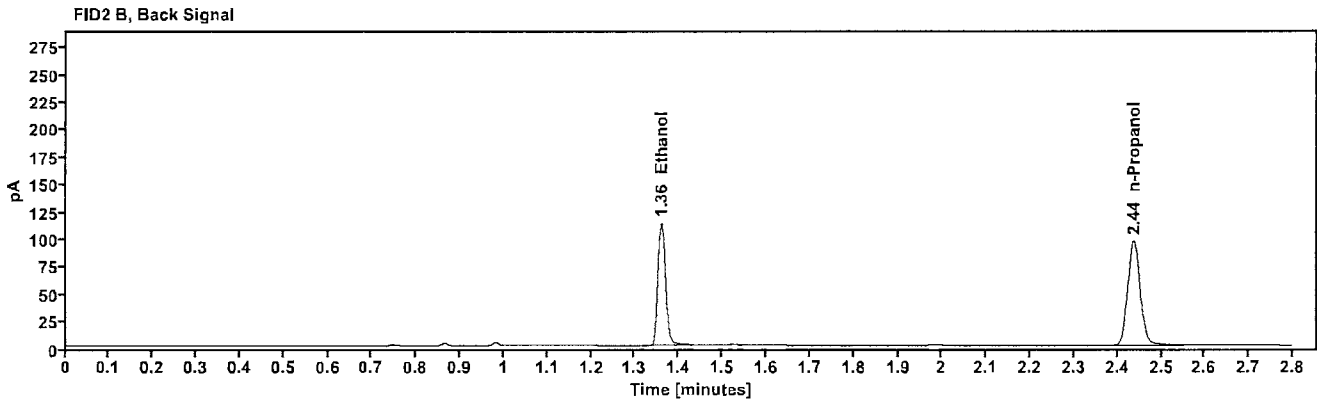
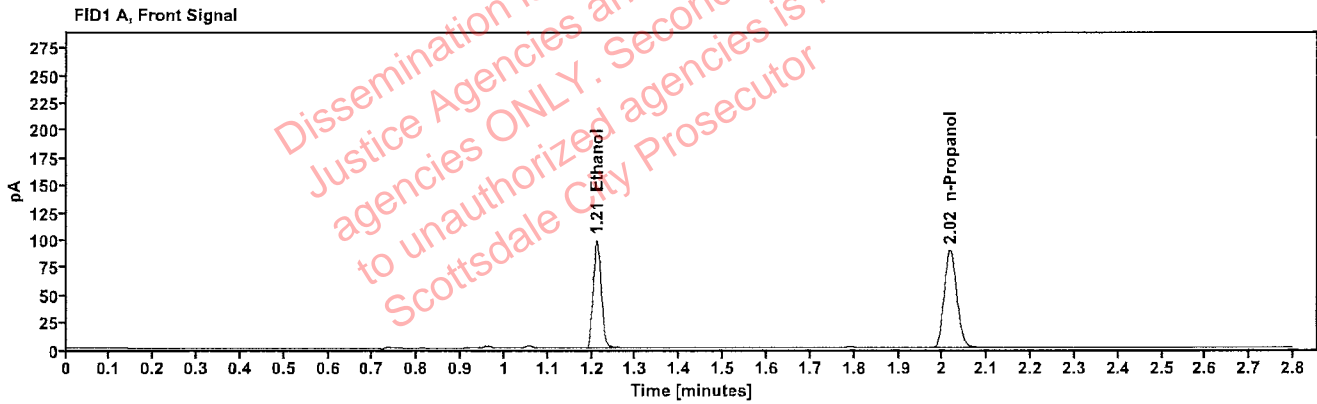


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1988	1.211	126.286
n-Propanol	-----	2.017	178.390

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

Compound	Time (min)	Peak Area
Ethanol	1.359	138.544
n-Propanol	2.437	192.374

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1438759	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:45:59 PM
Data file:	C:\Chem32\1\Data\04Oct22\19.D	Analyst:	Abbott

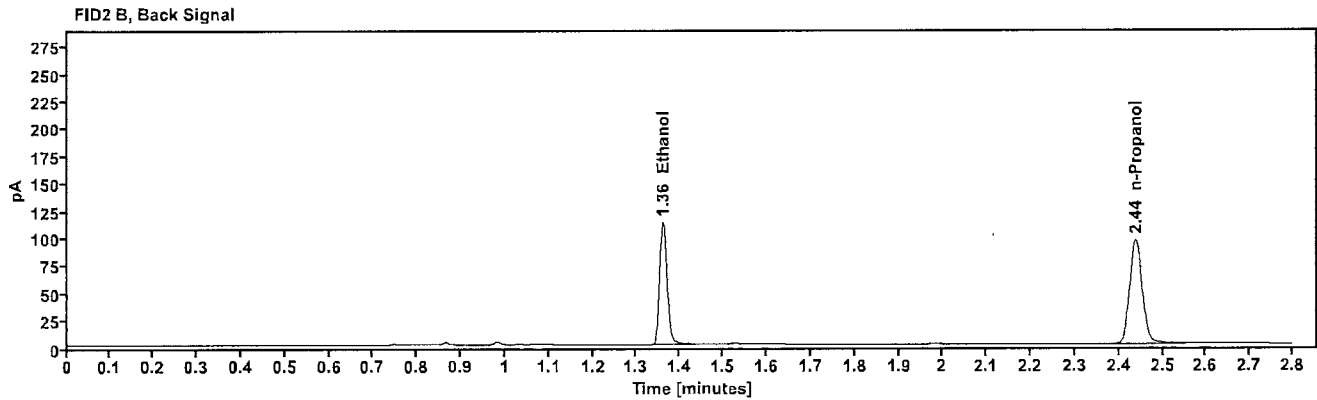
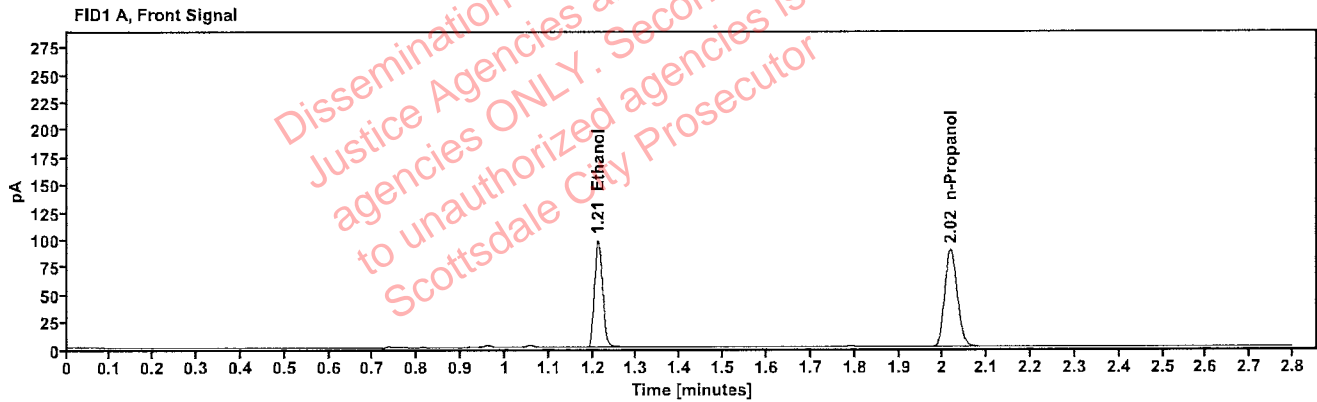


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1995	1.212	126.182
n-Propanol	-----	2.017	177.610

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

Compound	Time (min)	Peak Area
Ethanol	1.361	138.172
n-Propanol	2.438	191.285

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1438743	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:53:59 PM
Data file:	C:\Chem32\11\Data\04Oct22\21.D	Analyst:	Abbott

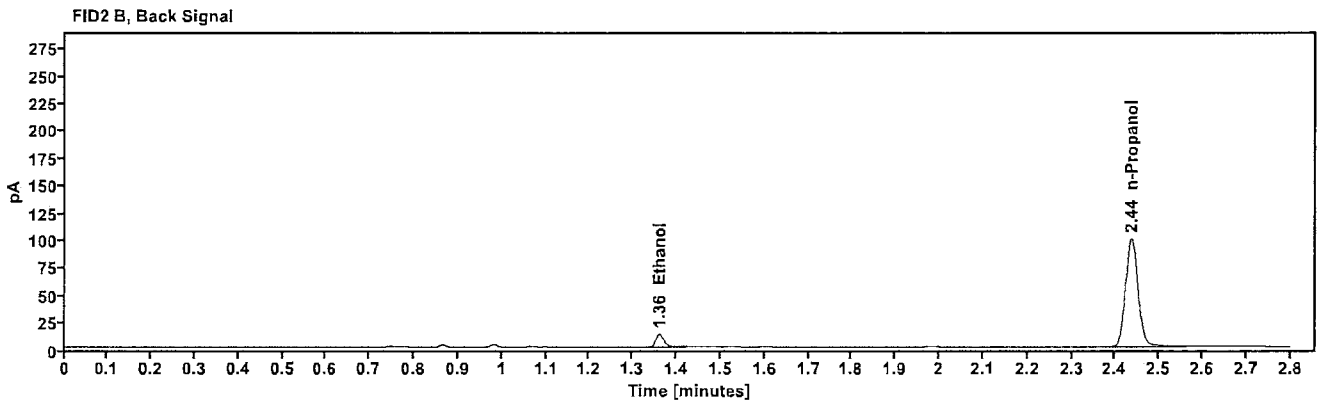
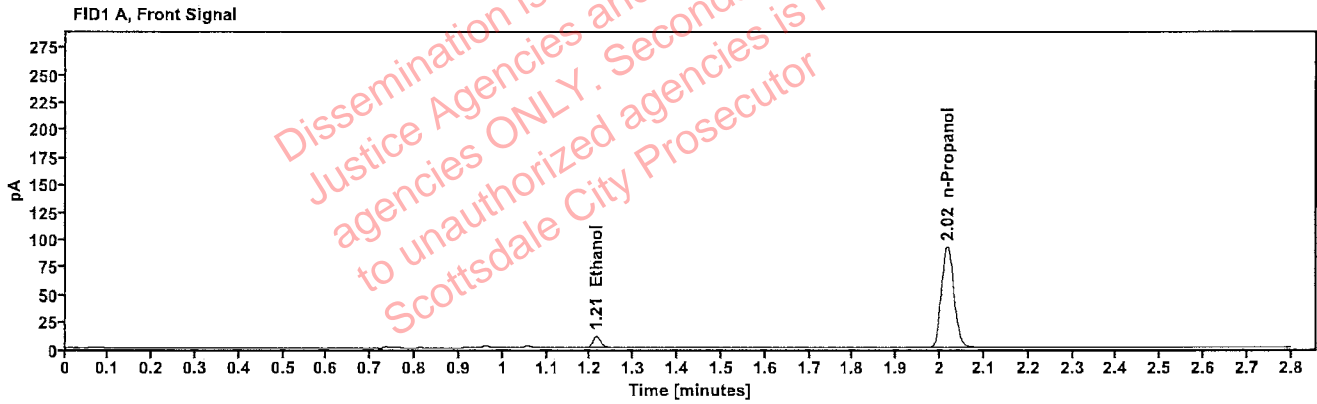


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0219	1.213	13.900
n-Propanol	-----	2.016	184.248

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

Compound	Time (min)	Peak Area
Ethanol	1.361	15.394
n-Propanol	2.437	199.344

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1438743	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 1:57:59 PM
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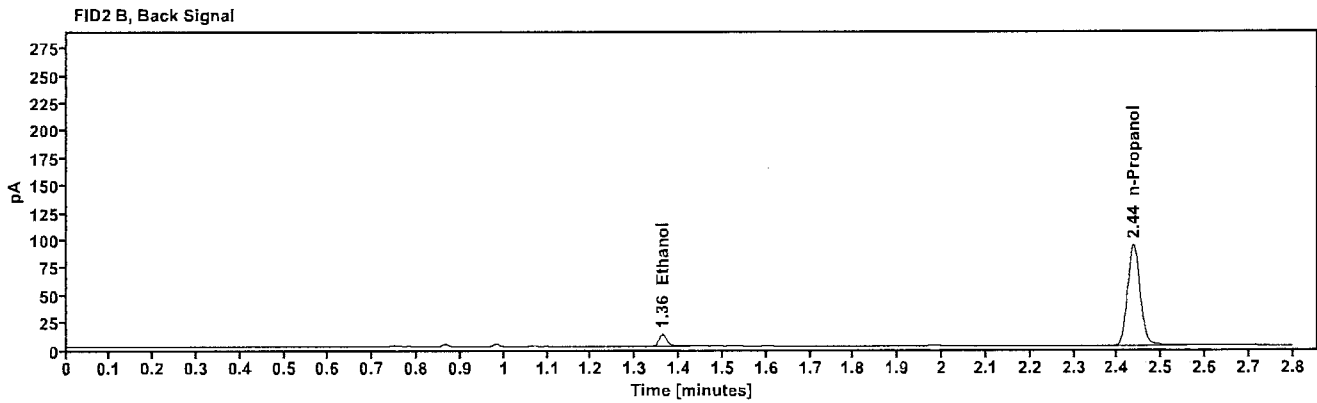
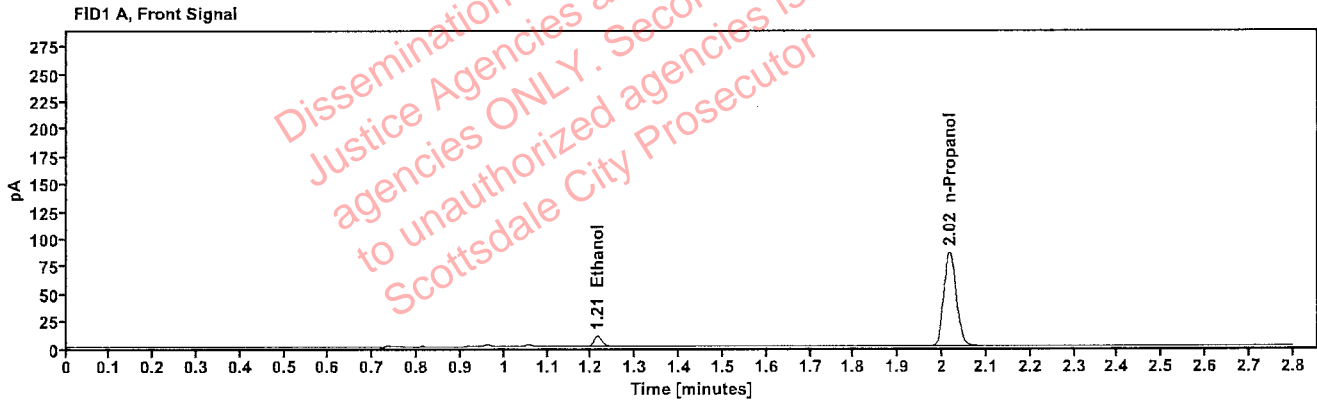


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0216	1.214	12.822
n-Propanol	-----	2.017	172.254

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

Compound	Time (min)	Peak Area
Ethanol	1.361	14.202
n-Propanol	2.437	186.176

Abbott, Lori - (04-Oct-2022)

Case: User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1438367	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:01:58 PM
Data file:	C:\Chem32\1\Data\04Oct22\23.D	Analyst:	Abbott

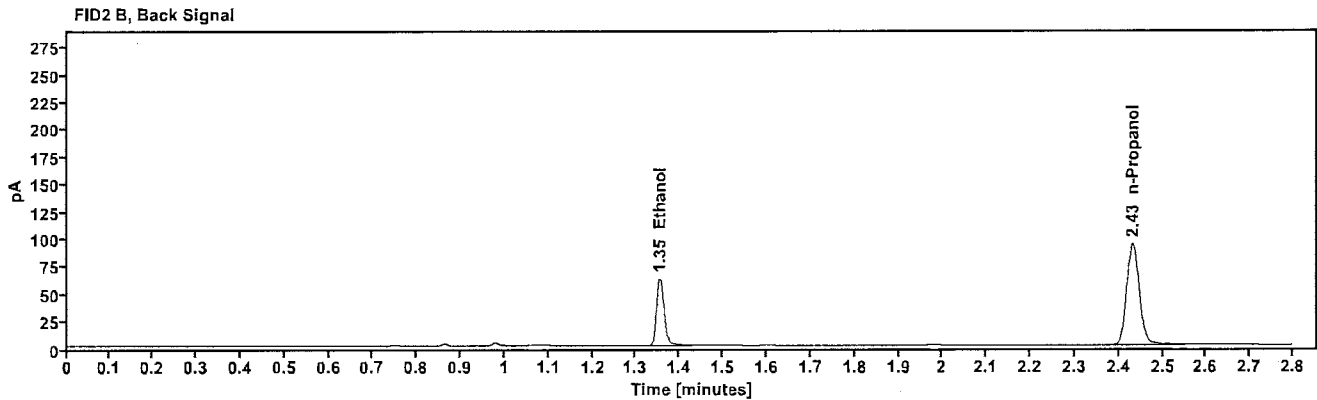
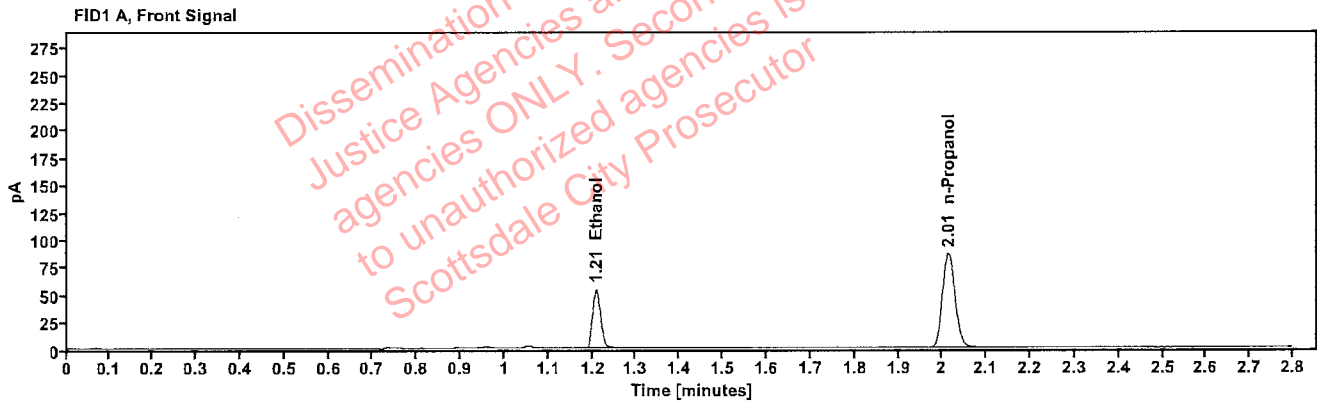


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1126	1.209	68.906
n-Propanol	----	2.013	172.341

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

Compound	Time (min)	Peak Area
Ethanol	1.355	74.870
n-Propanol	2.432	186.302

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1438367	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:05:59 PM
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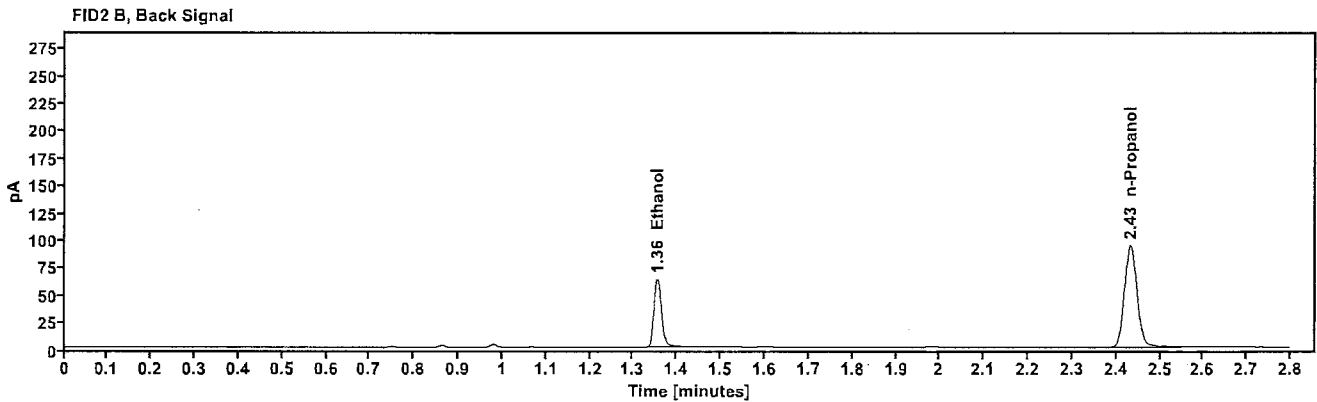
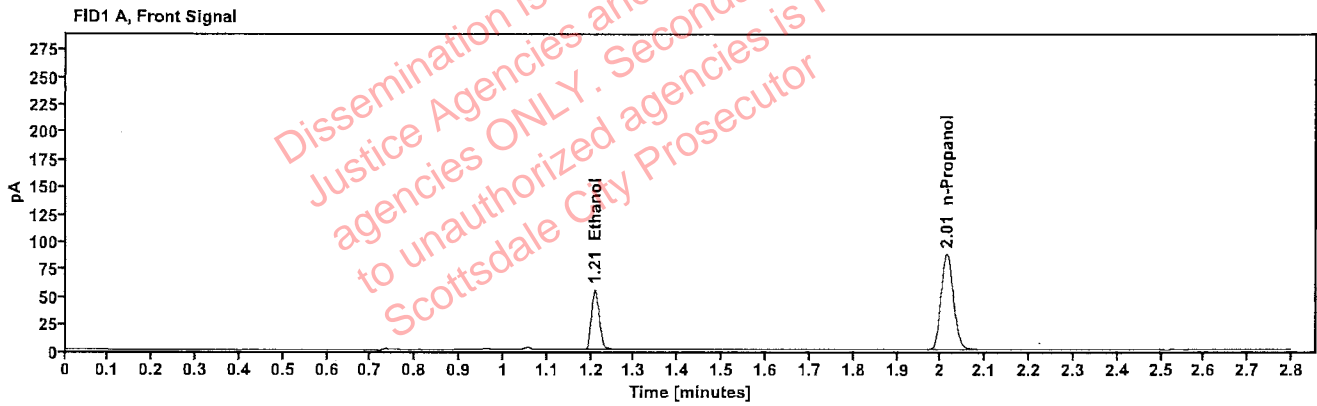


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1134	1.209	70.219
n-Propanol	-----	2.014	174.433

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

Compound	Time (min)	Peak Area
Ethanol	1.355	76.147
n-Propanol	2.433	188.314

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439016	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:10:14 PM
Data file:	C:\Chem32\1\Data\04Oct22\25.D	Analyst:	Abbott

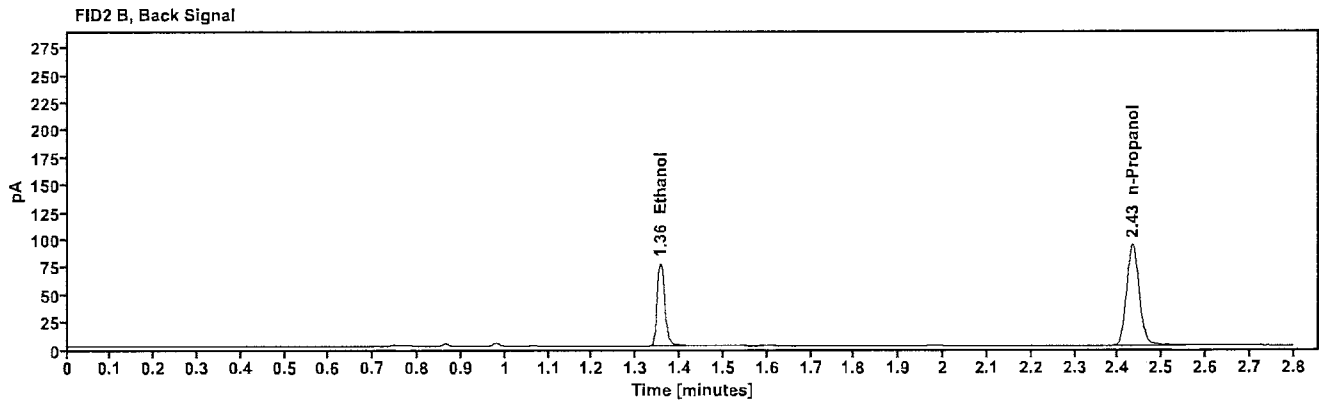
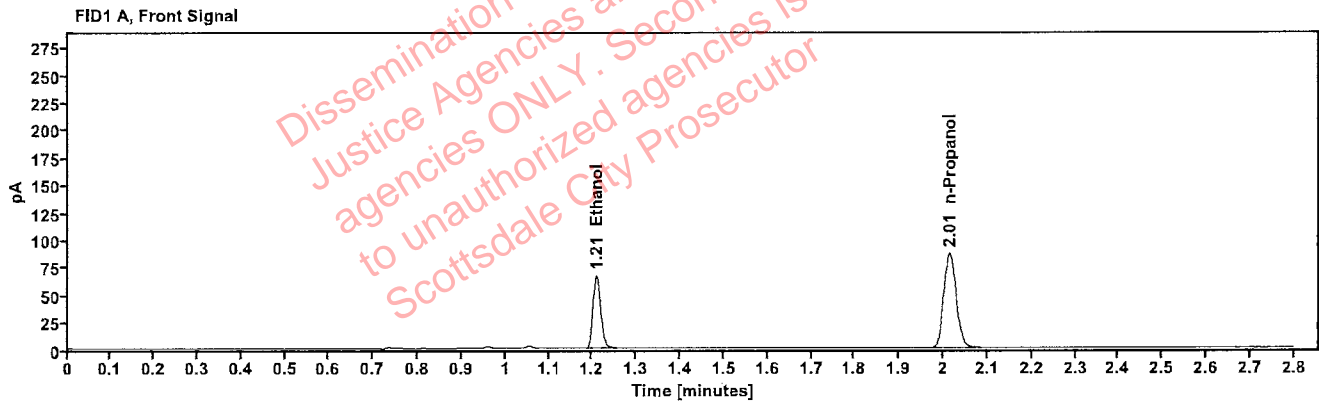


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1388	1.209	85.212
n-Propanol	-----	2.014	172.678

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

Compound	Time (min)	Peak Area
Ethanol	1.355	92.538
n-Propanol	2.433	186.716

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439016	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:14:14 PM
Data file:	C:\Chem32\1\Data\04Oct22\26.D	Analyst:	Abbott

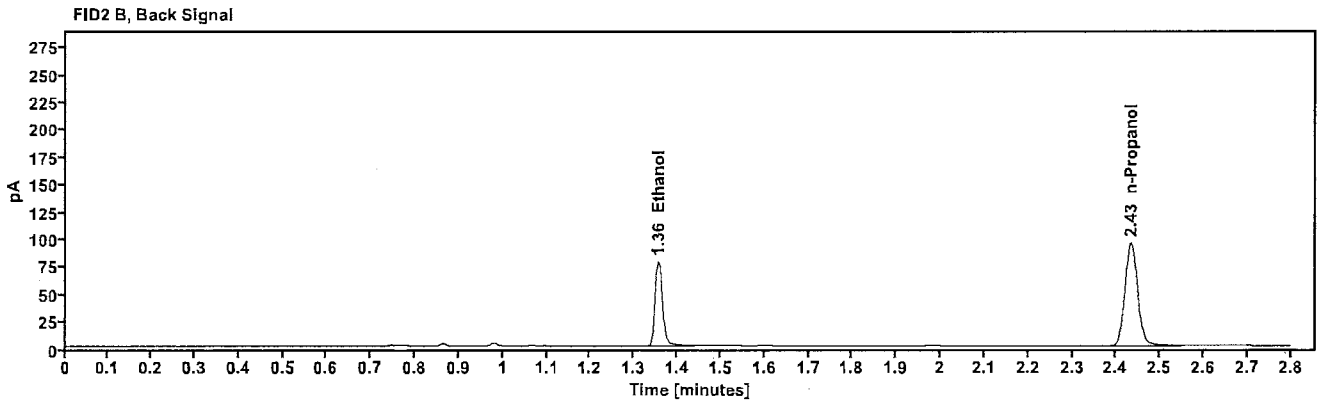
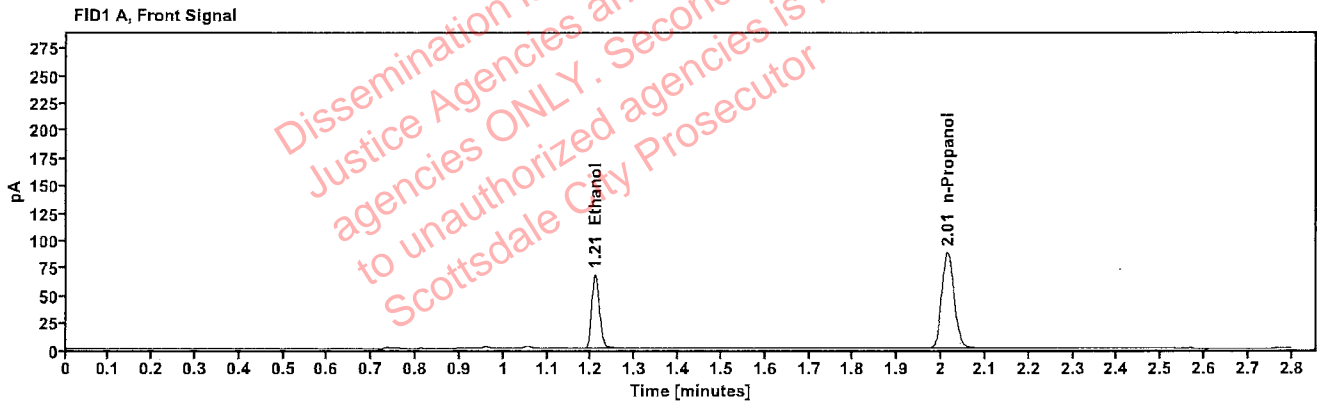


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1389	1.209	86.398
n-Propanol	-----	2.014	175.015

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

Compound	Time (min)	Peak Area
Ethanol	1.356	94.161
n-Propanol	2.433	188.992

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439025	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:18:14 PM
Data file:	C:\Chem32\1\Data\04Oct22\27.D	Analyst:	Abbott

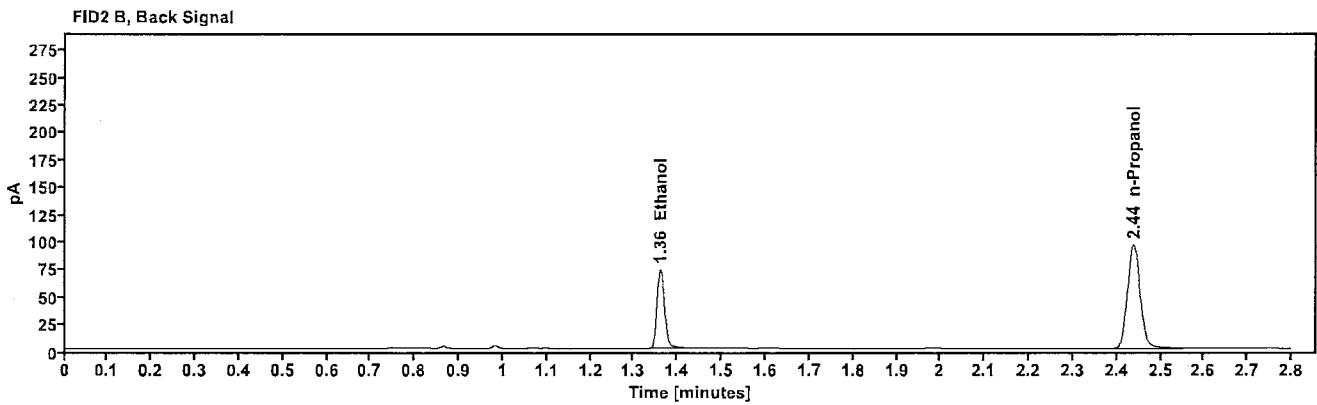
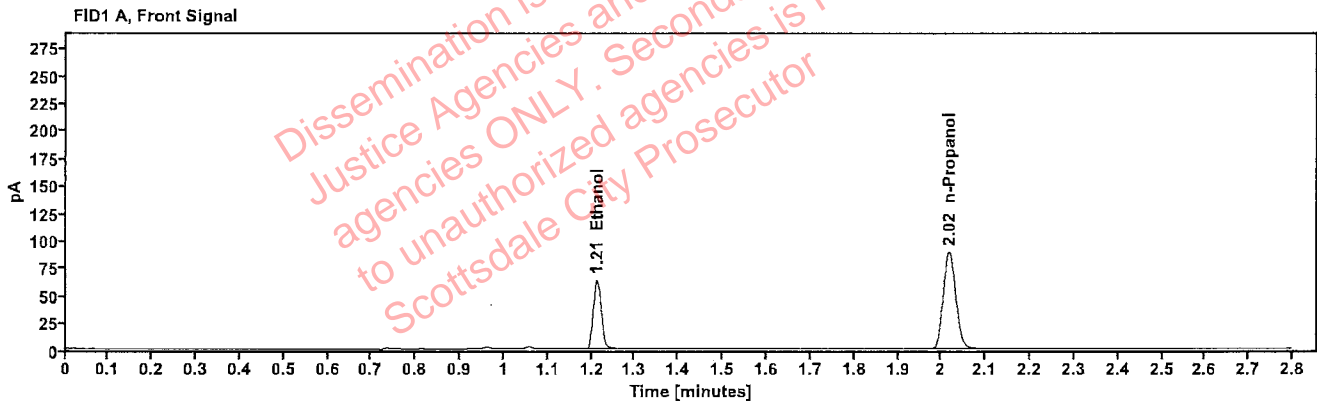


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1298	1.212	81.634
n-Propanol	-----	2.017	177.019

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

Compound	Time (min)	Peak Area
Ethanol	1.361	88.871
n-Propanol	2.438	190.832

Abbott, Lori - (04-Oct-2022)

Case: User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439025	Vial:	28
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:22:14 PM
Data file:	C:\Chem32\11\Data\04Oct22\28.D	Analyst:	Abbott

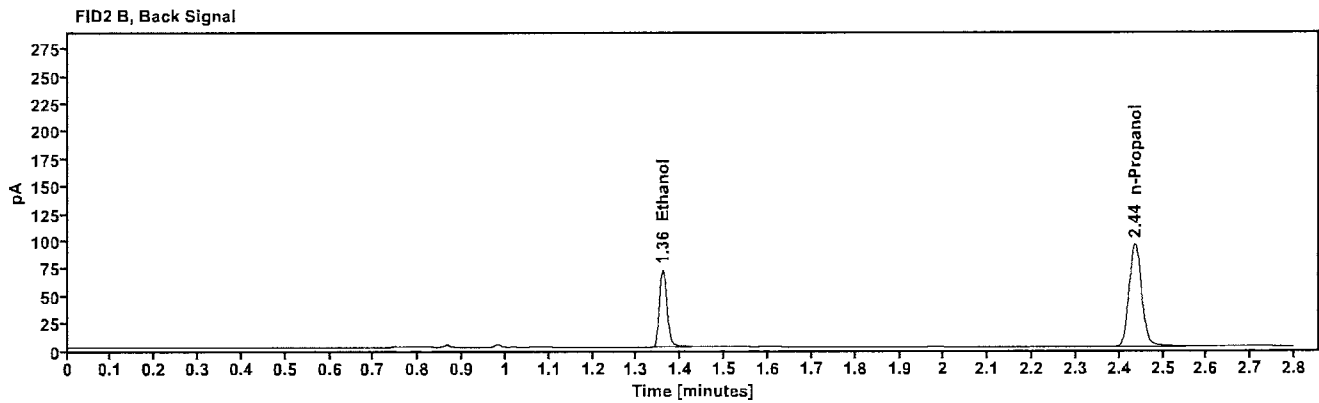
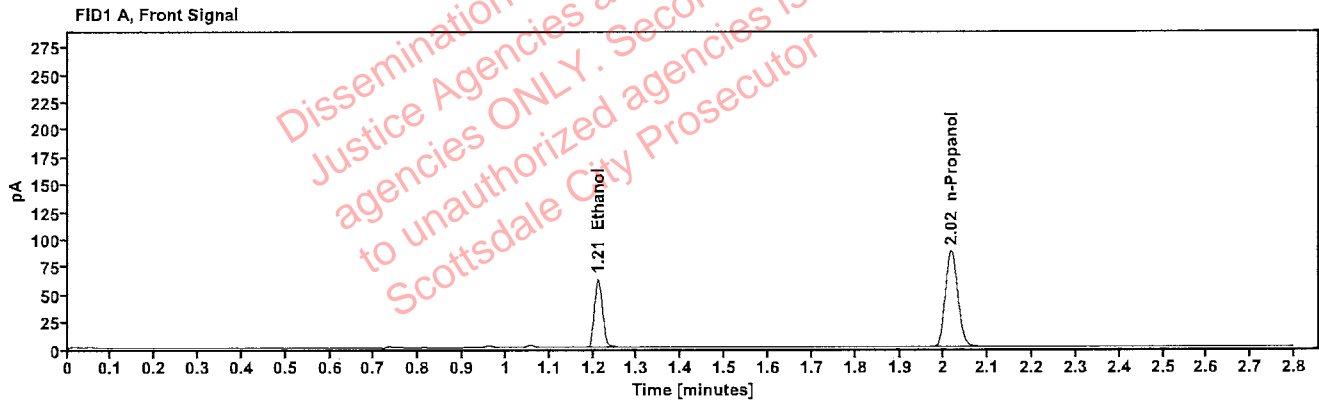


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1283	1.211	79.938
n-Propanol	-----	2.016	175.335

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

Compound	Time (min)	Peak Area
Ethanol	1.359	87.070
n-Propanol	2.436	189.085

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439314	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:26:14 PM
Data file:	C:\Chem32\1\Data\04Oct22\29.D	Analyst:	Abbott

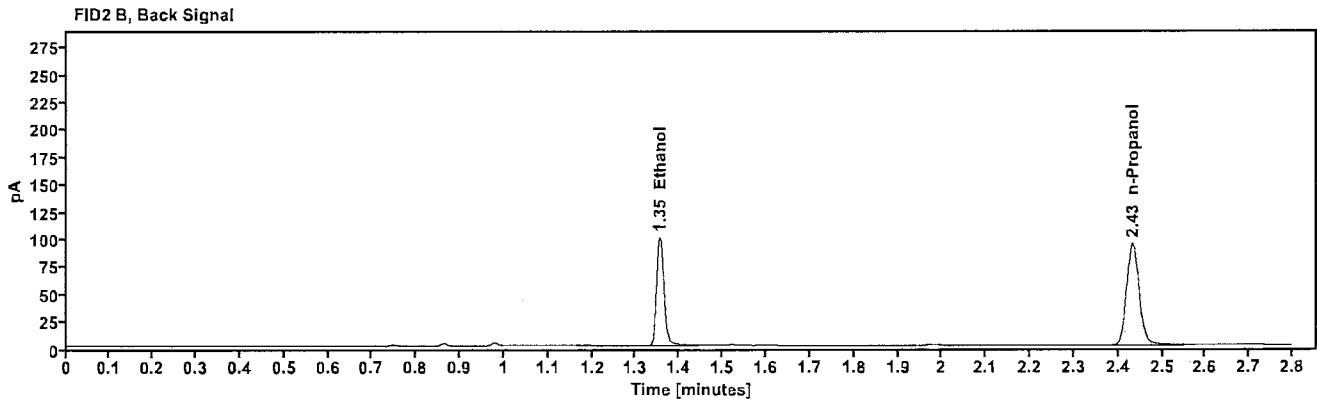
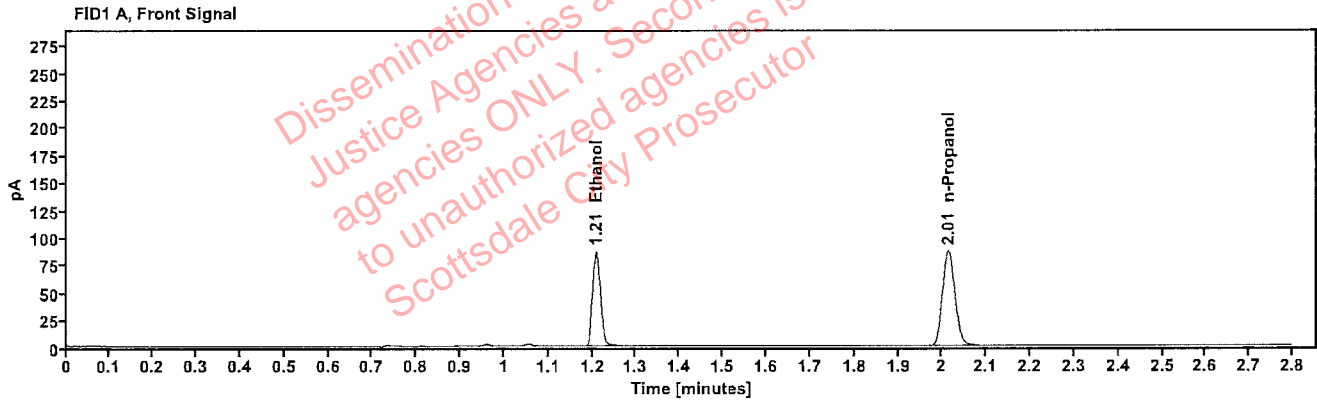


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1788	1.209	109.846
n-Propanol	---	2.014	172.562

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

Compound	Time (min)	Peak Area
Ethanol	1.355	119.962
n-Propanol	2.433	186.485

Abbott, Lori - (04-Oct-2022)

Case: User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439314	Vial:	30
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:30:14 PM
Data file:	C:\Chem32\1\Data\04Oct22\30.D	Analyst:	Abbott

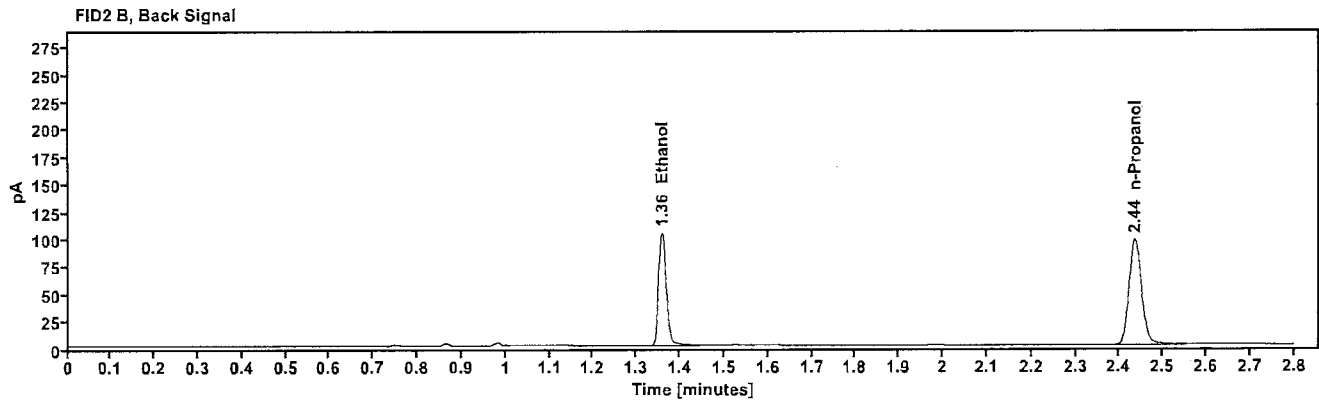
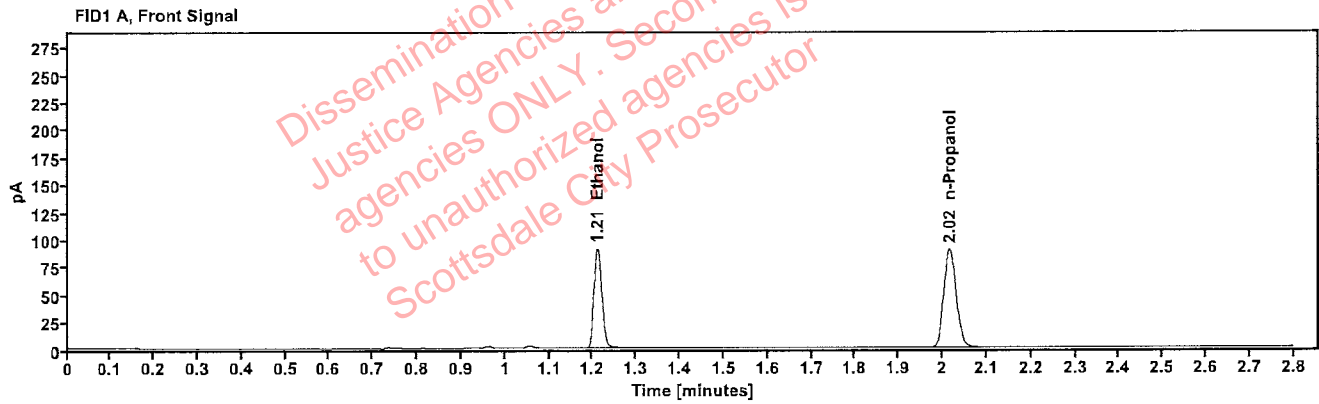


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1818	1.211	116.149
n-Propanol	-----	2.016	179.491

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

Compound	Time (min)	Peak Area
Ethanol	1.359	126.903
n-Propanol	2.436	193.887

Abbott, Lori - (04-Oct-2022)

Case: User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1412613	Vial:	32
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:38:29 PM
Data file:	C:\Chem32\1\Data\04Oct22\32.D	Analyst:	Abbott

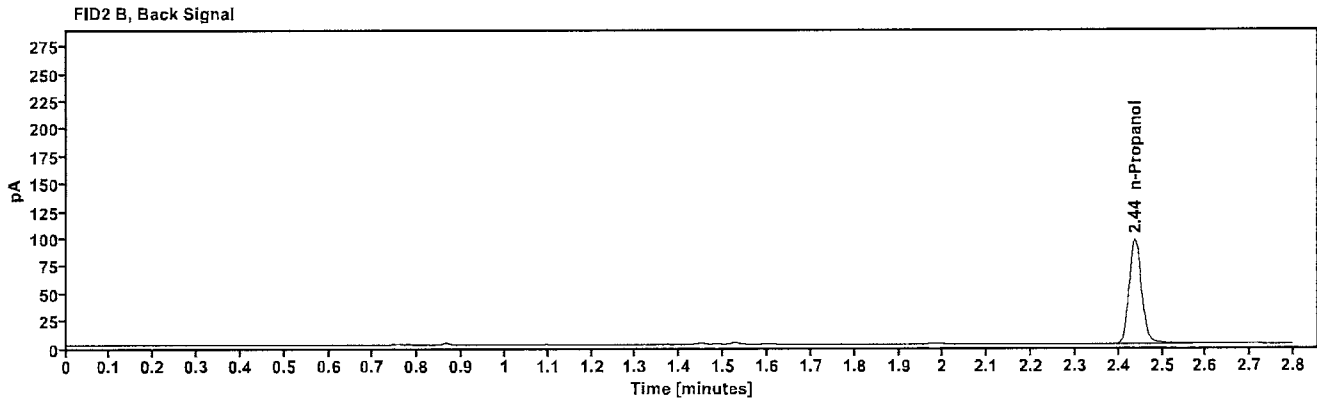
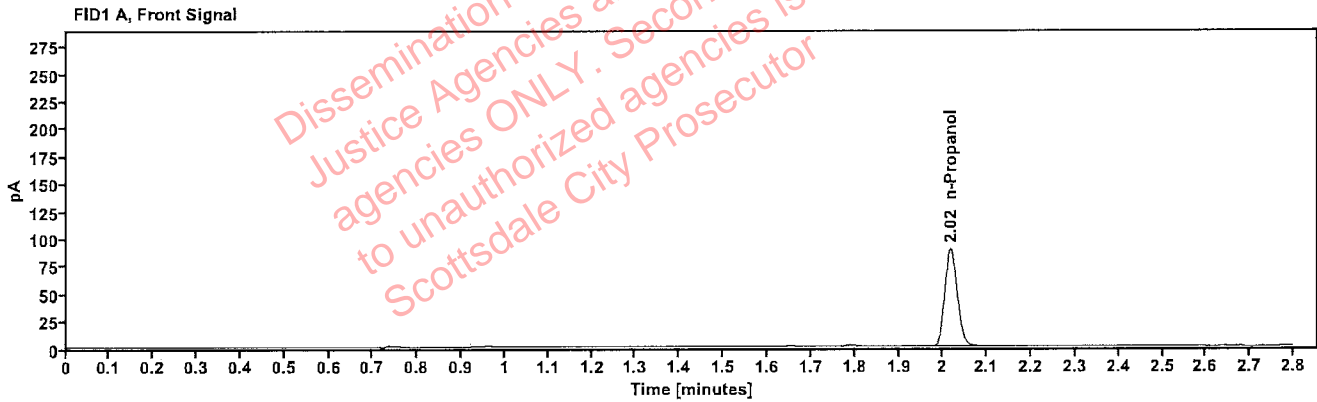


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	177.680

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

Compound	Time (min)	Peak Area
n-Propanol	2.438	192.425

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1412613	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:42:29 PM
Data file:	C:\Chem32\1\Data\04Oct22\33.D	Analyst:	Abbott

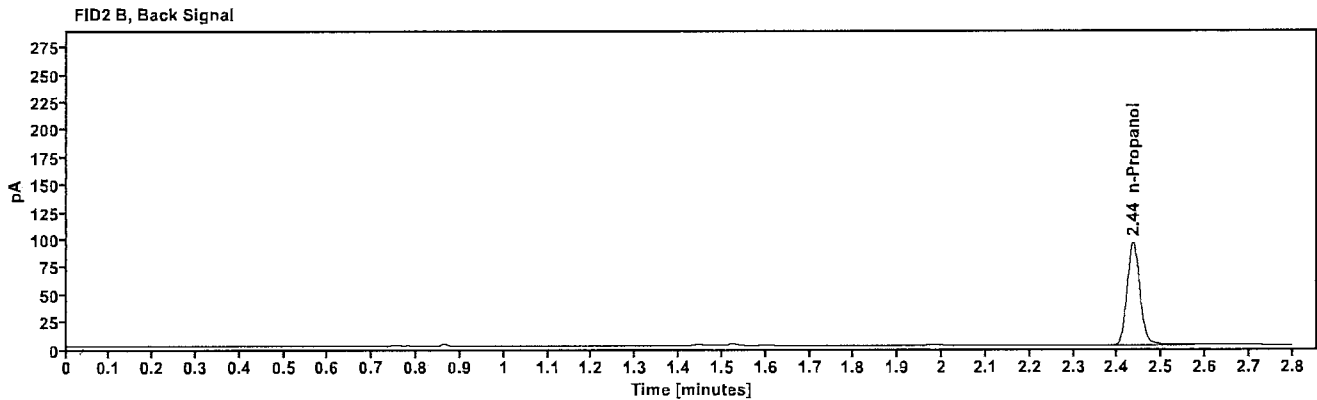
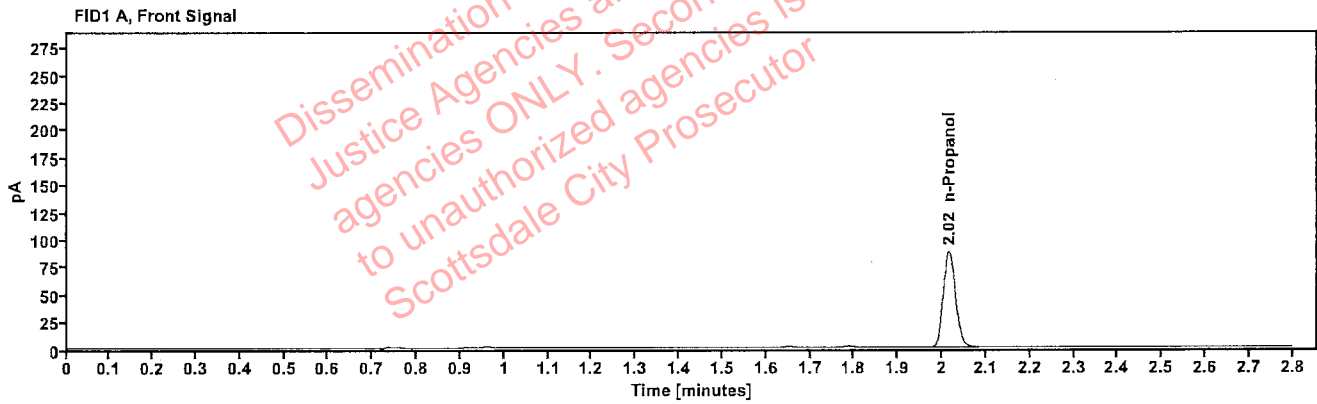


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	175.288

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	189.880

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439326	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:46:28 PM
Data file:	C:\Chem32\1\Data\04Oct22\34.D	Analyst:	Abbott

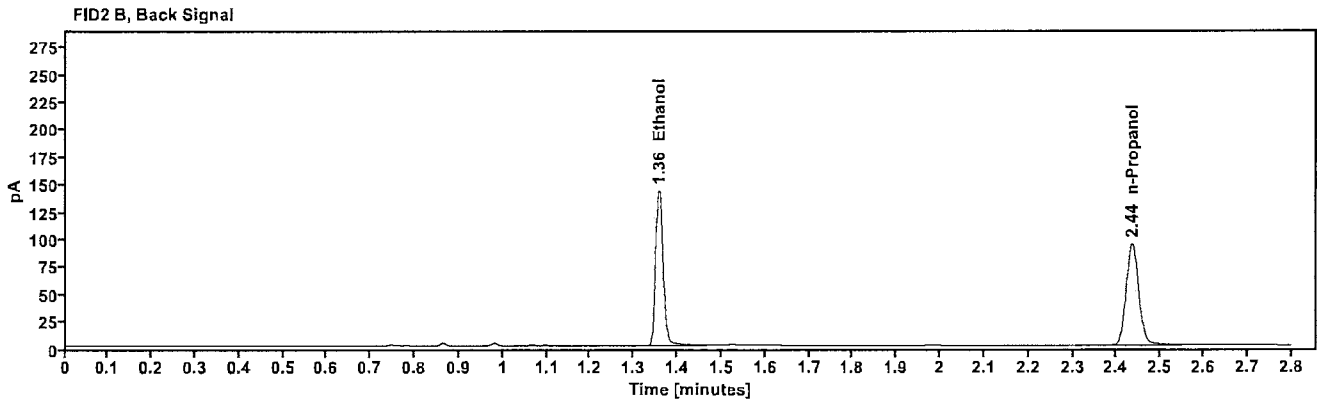
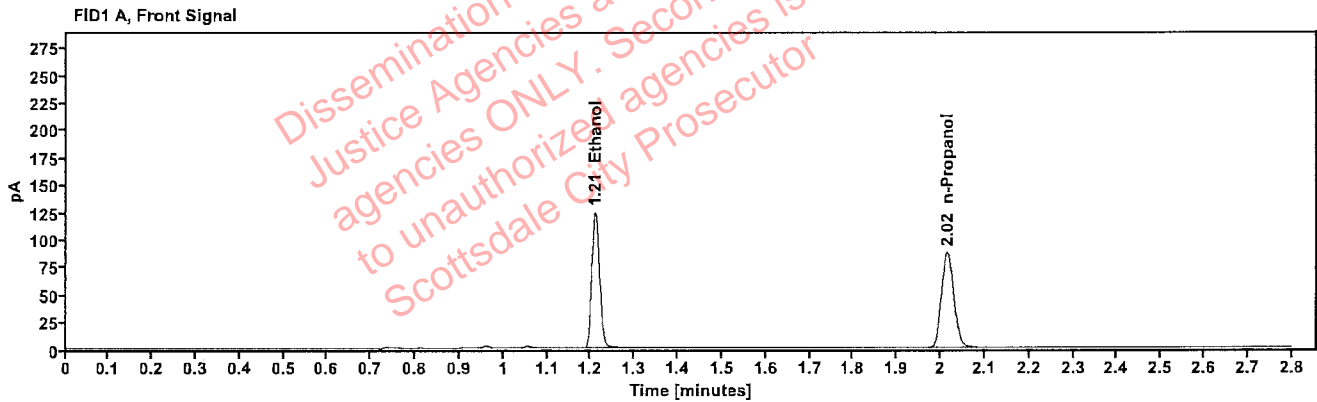


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2565	1.210	159.004
n-Propanol	-----	2.015	173.948

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

Compound	Time (min)	Peak Area
Ethanol	1.358	174.322
n-Propanol	2.435	187.564

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439326	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:50:28 PM
Data file:	C:\Chem32\1\Data\04Oct22\35.D	Analyst:	Abbott

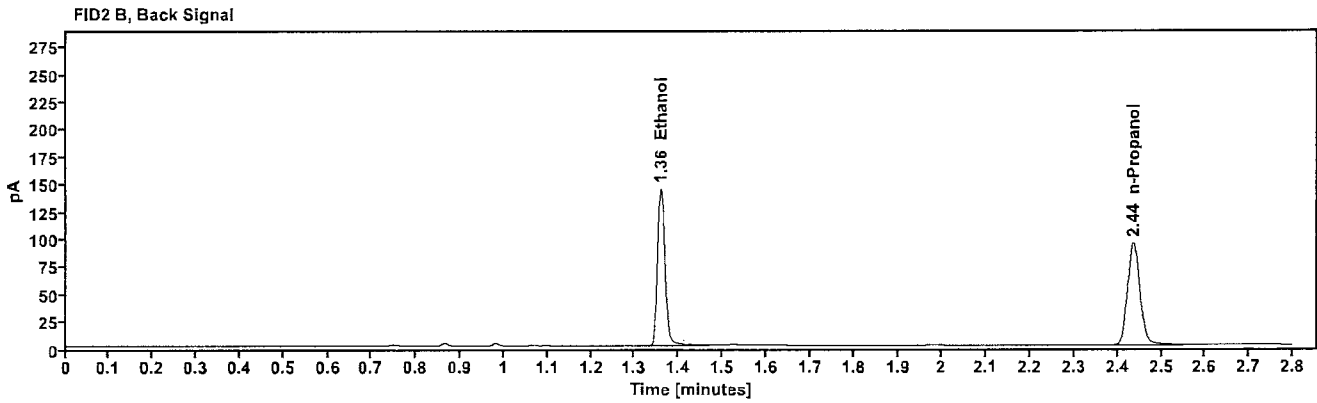
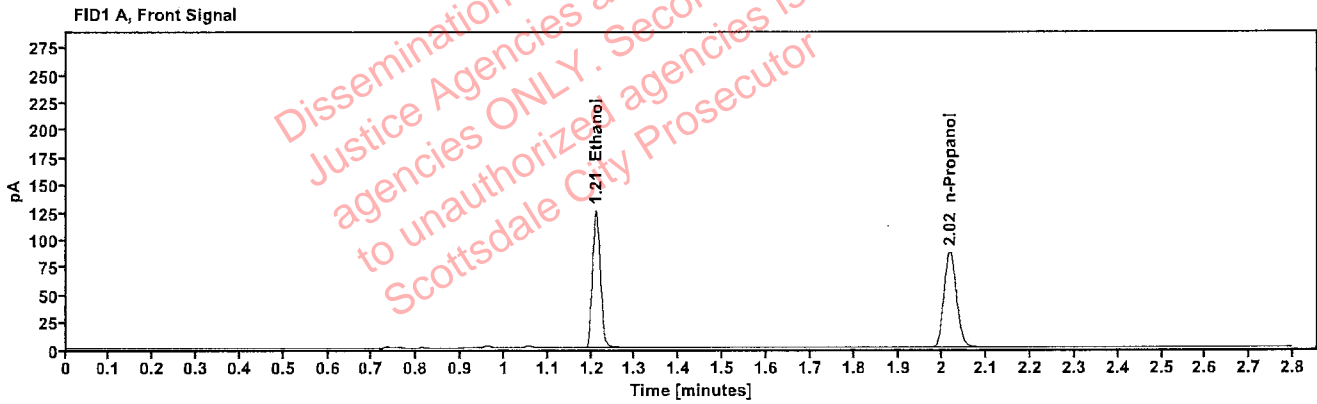


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2593	1.211	160.819
n-Propanol	-----	2.016	173.974

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

Compound	Time (min)	Peak Area
Ethanol	1.359	176.126
n-Propanol	2.436	187.491

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1437233	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:54:29 PM
Data file:	C:\Chem32\1\Data\04Oct22\36.D	Analyst:	Abbott

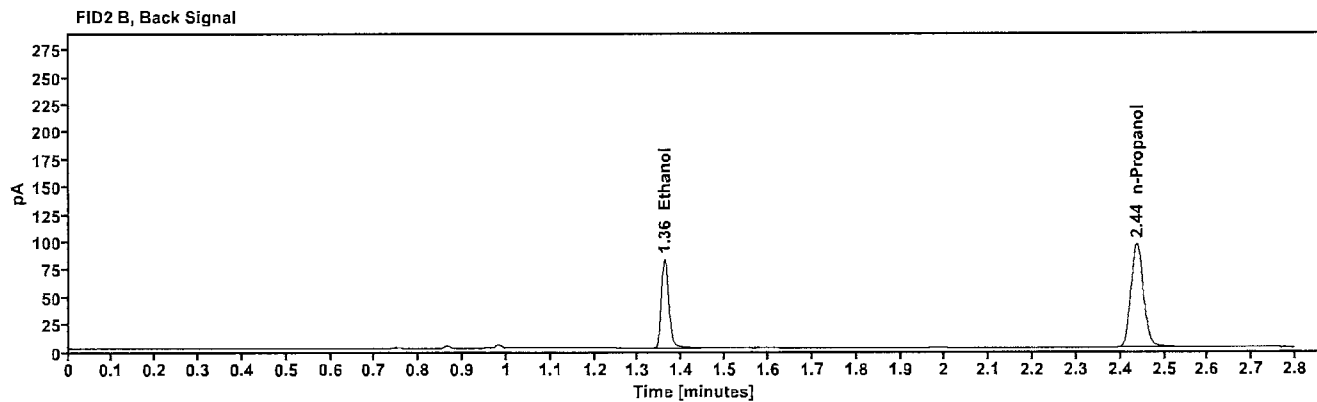
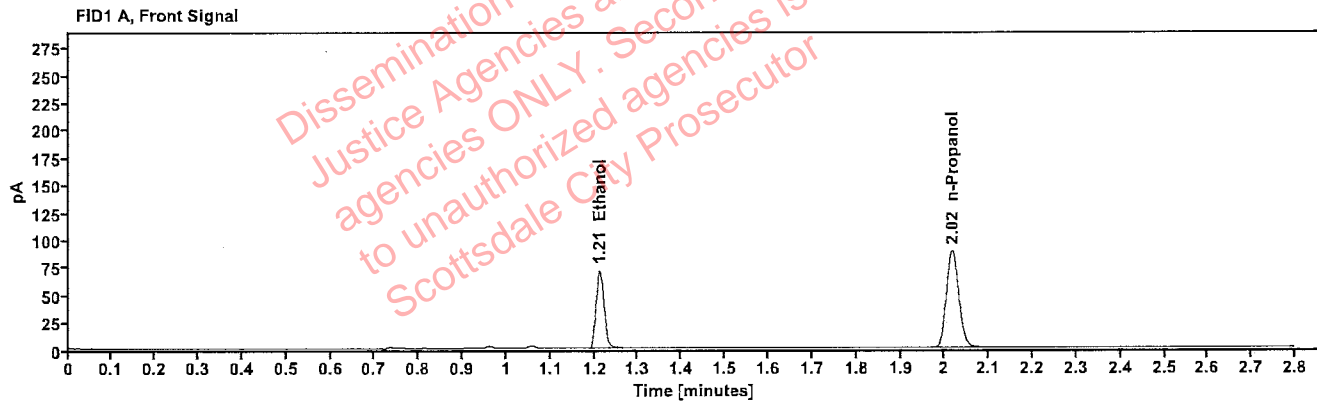


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1458	1.212	91.689
n-Propanol	----	2.017	176.830

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

Compound	Time (min)	Peak Area
Ethanol	1.360	100.082
n-Propanol	2.437	191.161

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1437233	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 2:58:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\37.D	Analyst:	Abbott

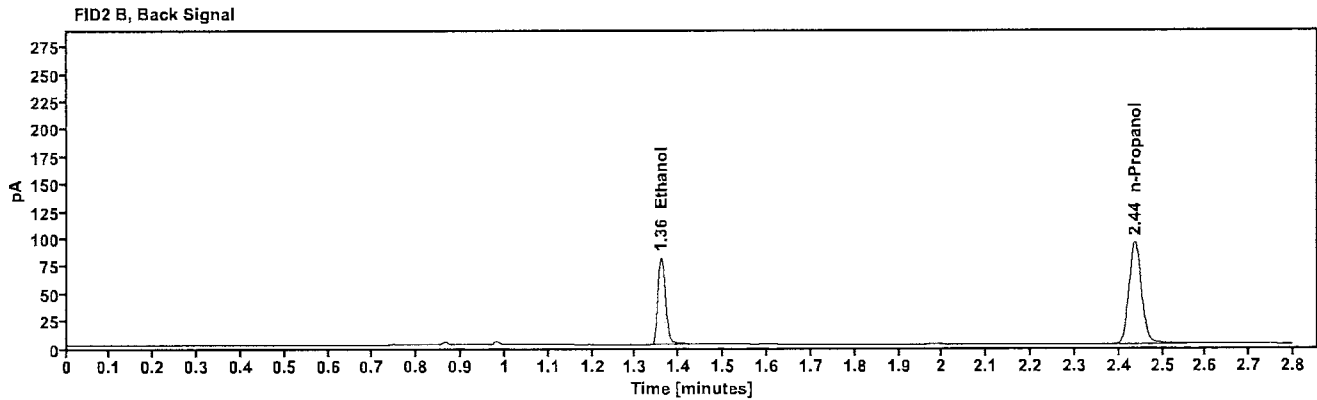
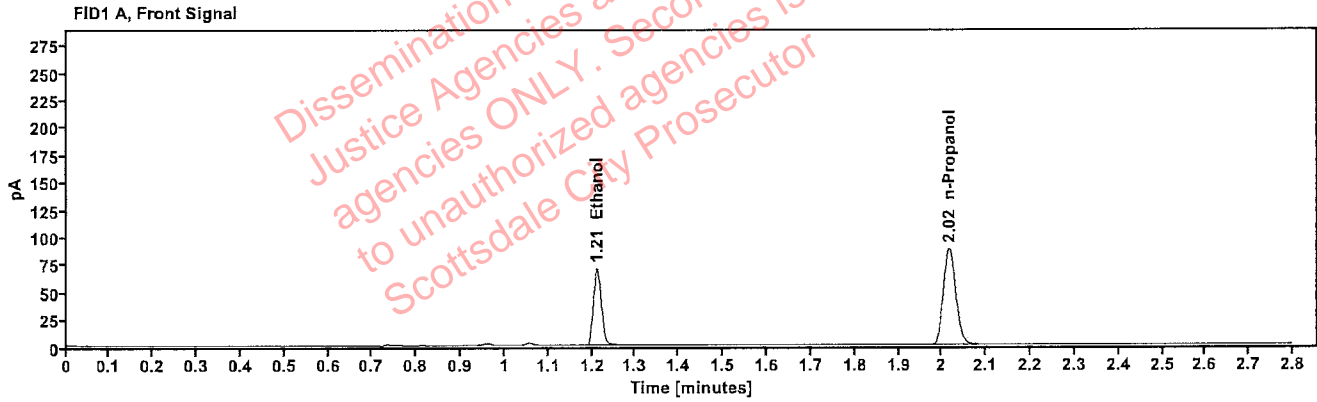


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1451	1.211	90.223
n-Propanol	-----	2.016	174.862

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

Compound	Time (min)	Peak Area
Ethanol	1.359	98.105
n-Propanol	2.437	188.684

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439748	Vial:	38
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:02:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\38.D	Analyst:	Abbott

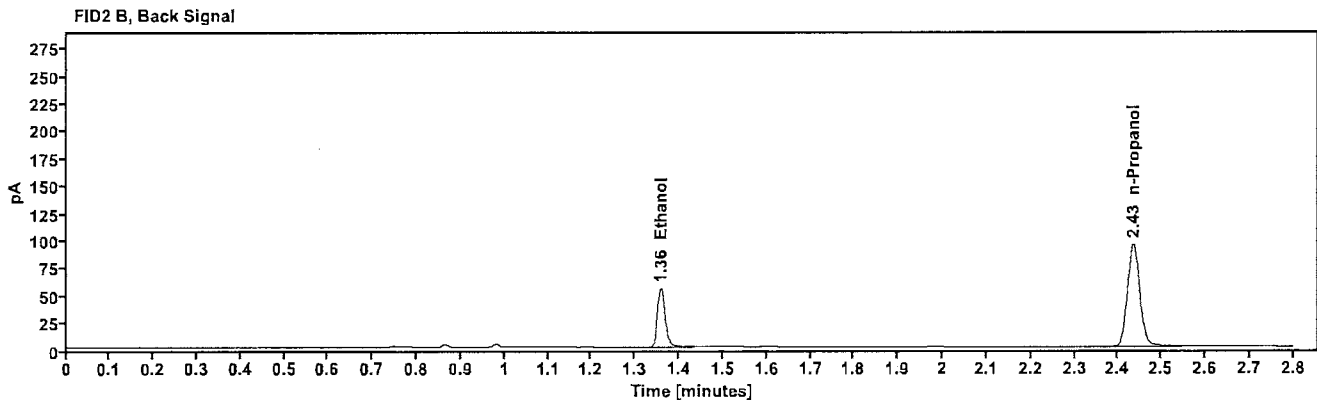
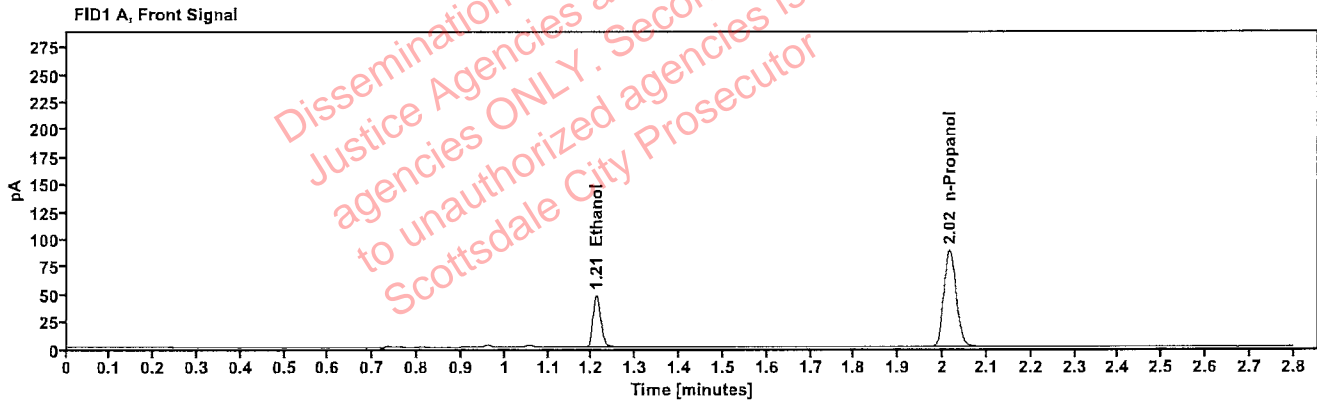


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0984	1.211	61.274
n-Propanol	-----	2.015	175.505

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

Compound	Time (min)	Peak Area
Ethanol	1.358	66.323
n-Propanol	2.435	188.840

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1439748	Vial:	39
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:06:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\39.D	Analyst:	Abbott

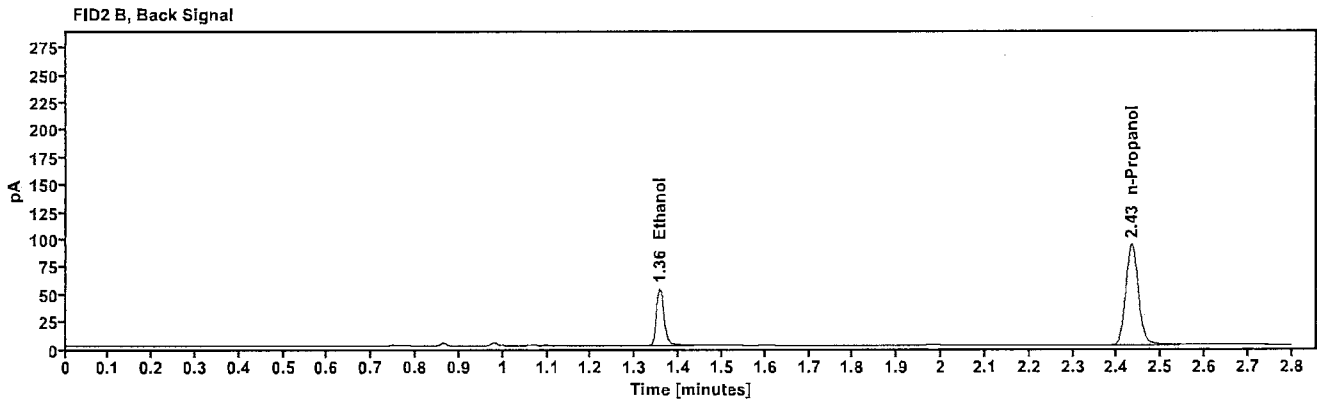
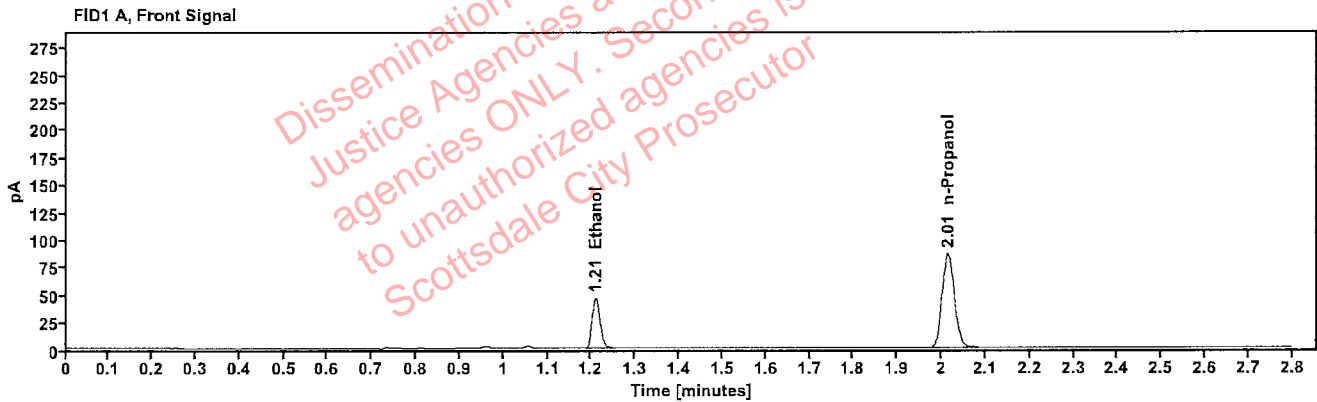


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0965	1.210	58.701
n-Propanol	----	2.014	171.558

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

Compound	Time (min)	Peak Area
Ethanol	1.356	63.778
n-Propanol	2.433	184.572

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1436656	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:10:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\40.D	Analyst:	Abbott

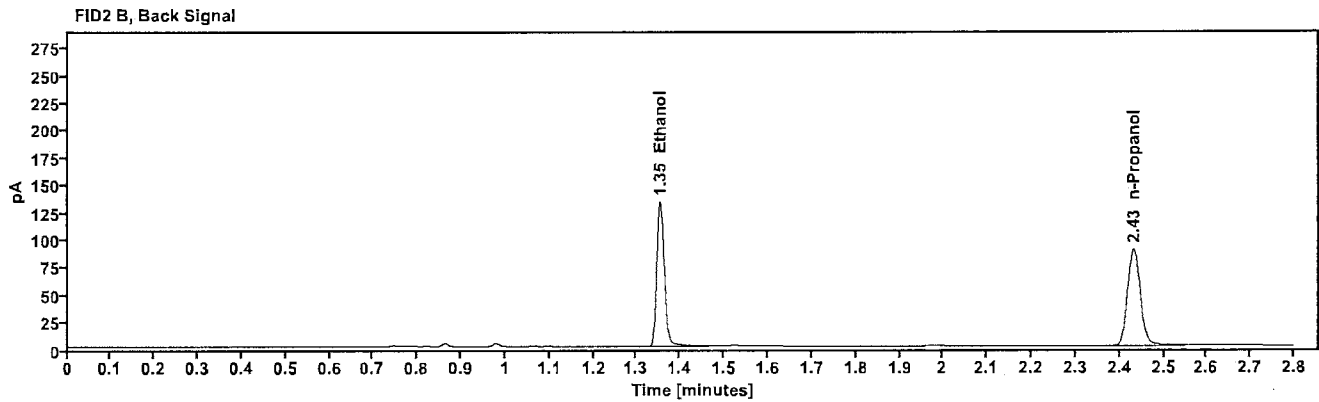
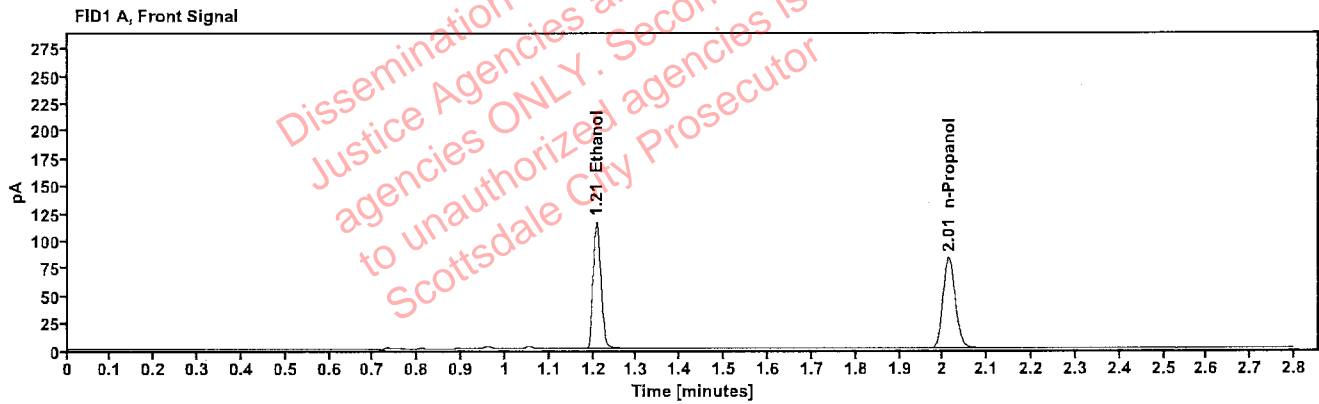


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2491	1.208	146.593
n-Propanol	-----	2.013	165.142

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

Compound	Time (min)	Peak Area
Ethanol	1.354	162.004
n-Propanol	2.432	178.488

[REDACTED]: Abbott, Lori - (04-Oct-2022)

Case: [REDACTED] User: LAbbott 10/4/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1436656	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	04Oct22
Instrument:	US14173023 CN14160045	Injection date:	10/4/2022 3:14:44 PM
Data file:	C:\Chem32\1\Data\04Oct22\41.D	Analyst:	Abbott

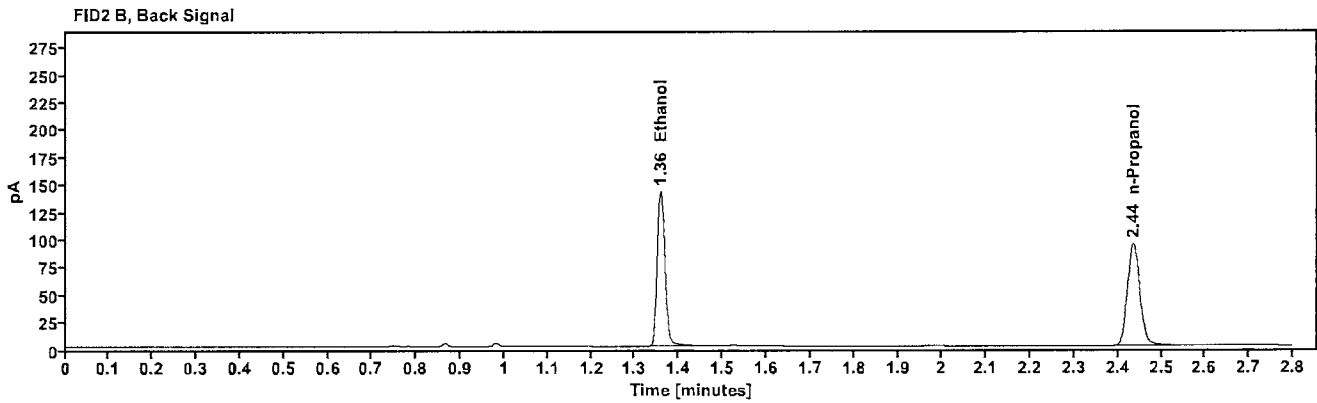
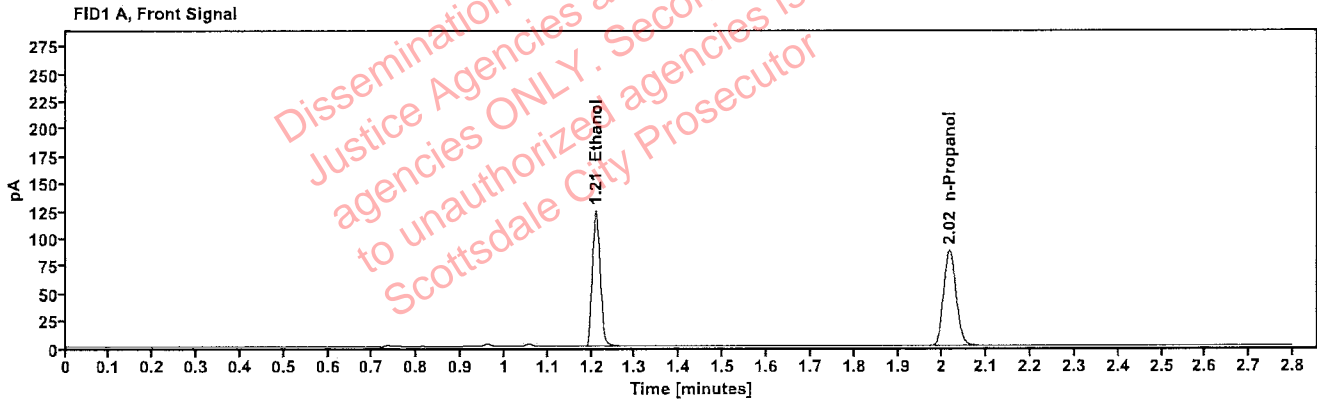


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2558	1.210	158.674
n-Propanol	----	2.016	174.049

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

Compound	Time (min)	Peak Area
Ethanol	1.358	173.673
n-Propanol	2.436	188.031