

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 07/05/2023 SEQUENCE NAME 05Jul23

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 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/10
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.082 g/dL	Lipomed 20012020-B
40	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 30012020-A
41	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
42	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/10
43	Blank	Not detected	Not detected	SPD lab 060223AQ

SUBJECT SAMPLES

Subjects in the sequence 14 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 05Jul23

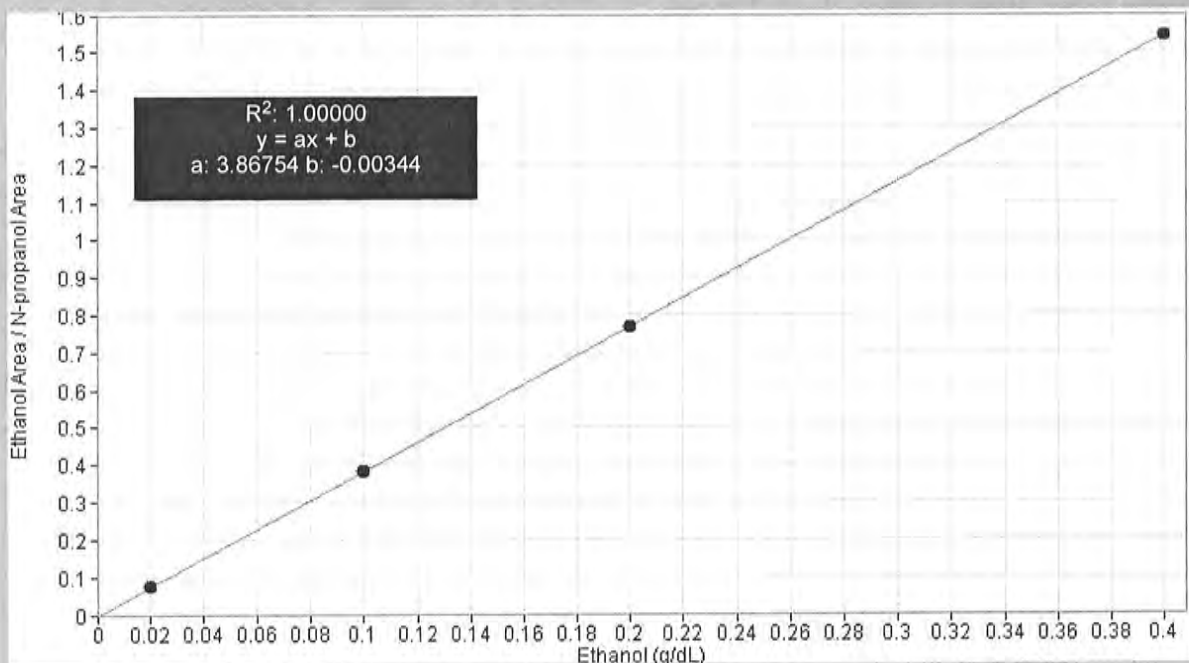
ANALYST: Canonico

ec

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.399	0.400	0.25	-0.001
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/10	9	0.204	0.199	2.51	0.005
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.082	0.080	2.50	0.002
0.400 30012020-A	40	0.399	0.400	0.25	-0.001
0.040 14082019-B	41	0.040	0.040	0.00	0.000
0.199 4110320133/10	42	0.201	0.199	1.01	0.002
blank 060223AQ	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.954	158.660	0.075
0.100	60.286	157.836	0.382
0.200	120.203	156.233	0.769
0.400	241.621	156.471	1.544

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1
Description: 0.020 calibrator	Sequence: 05Jul23
Method: ethanol quant.M	Injection date: 7/5/2023 1:14:41 PM
Instrument: US14173023 CN14160045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\05Jul23\1.D	

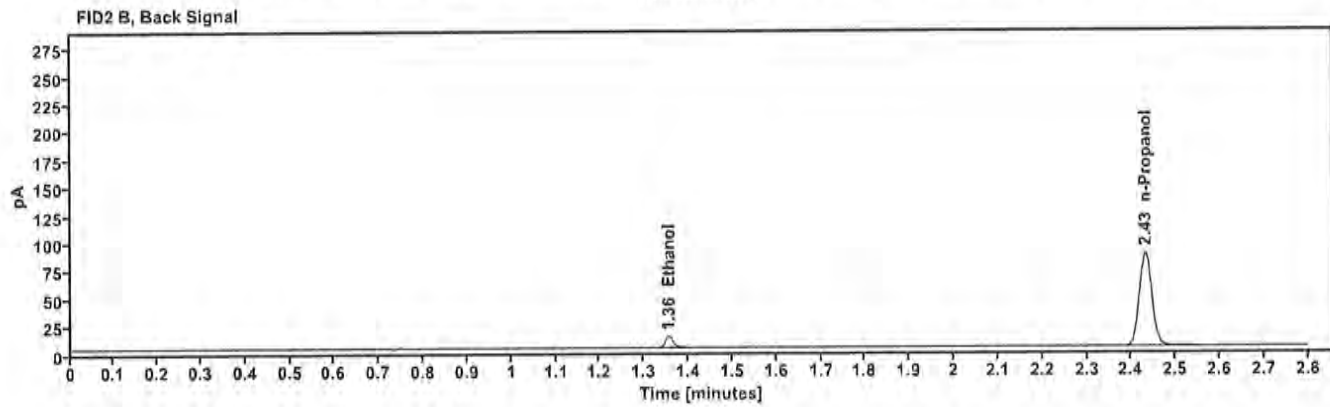
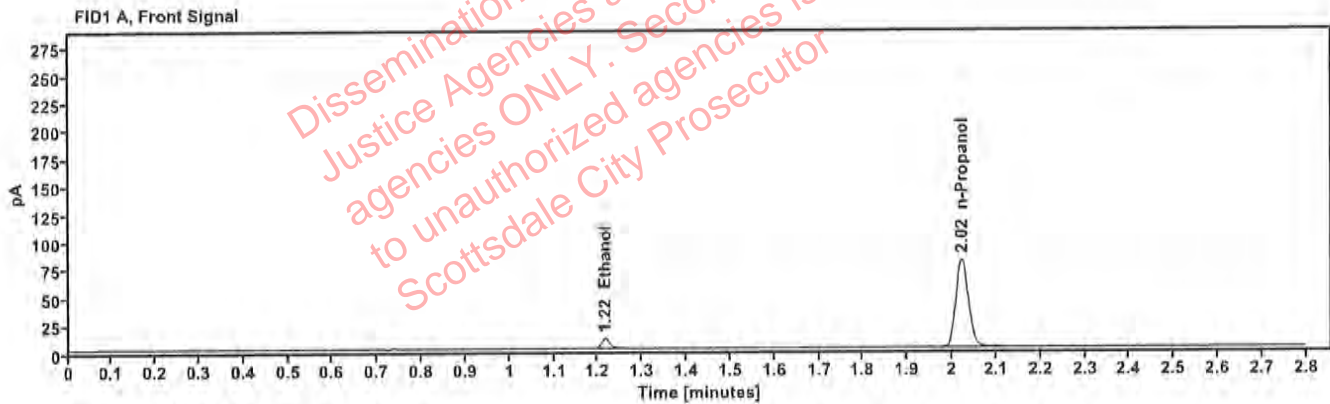


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.216	11.954
n-Propanol	2.022	158.660

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

Compound	Time (min)	Peak Area
Ethanol	1.355	12.579
n-Propanol	2.432	168.641

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05311902	Vial: 2
Description: 0.100 calibrator	Sequence: 05Jul23
Method: ethanol quant.M	Injection date: 7/5/2023 1:18:40 PM
Instrument: US14173023 CN14160045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\05Jul23\2.D	

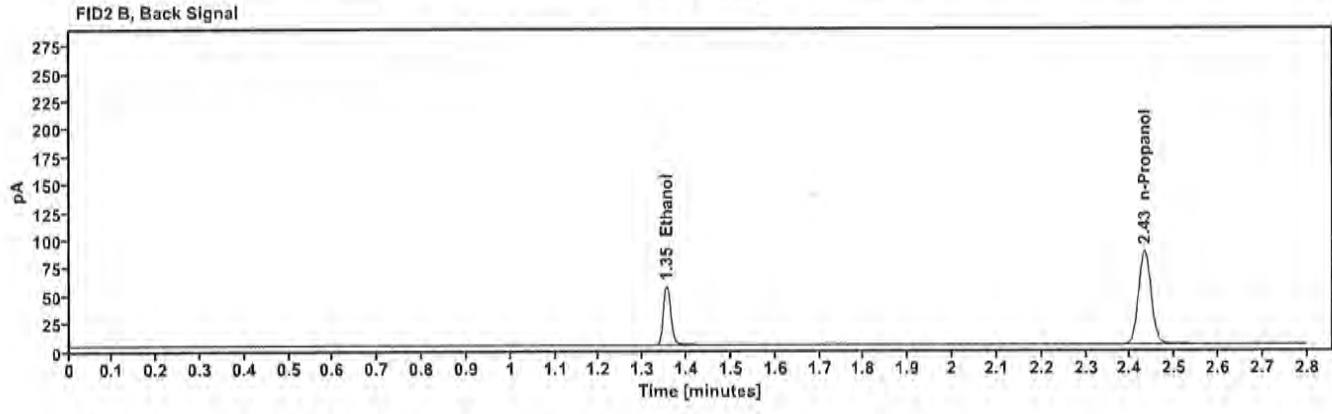
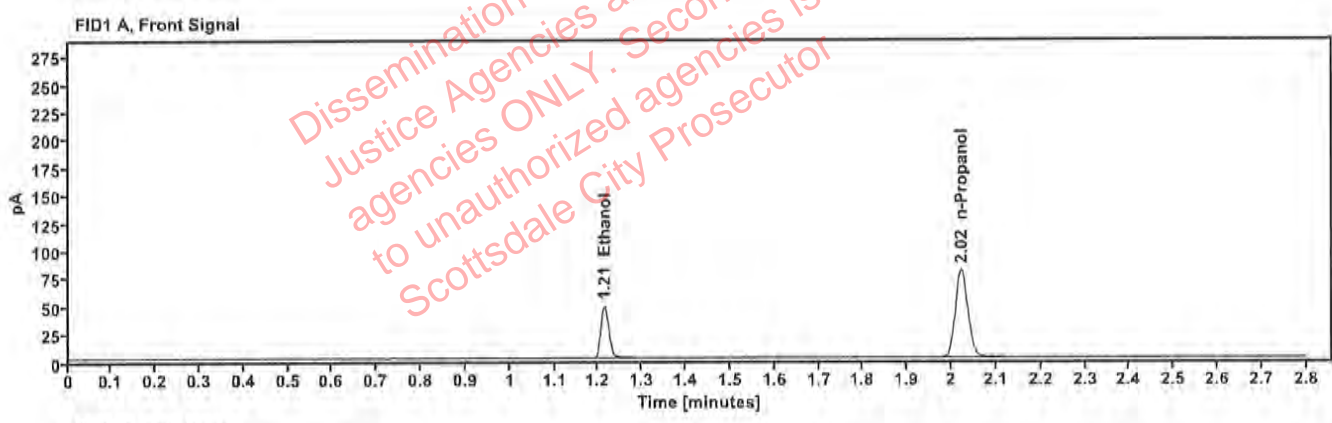


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.214	60.286
n-Propanol	2.022	157.836

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

Compound	Time (min)	Peak Area
Ethanol	1.354	64.307
n-Propanol	2.432	167.628

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02052101	Vial: 3
Description: 0.200 calibrator	Sequence: 05Jul23
Method: ethanol quant.M	Injection date: 7/5/2023 1:22:40 PM
Instrument: US14173023 CN14160045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\05Jul23\3.D	

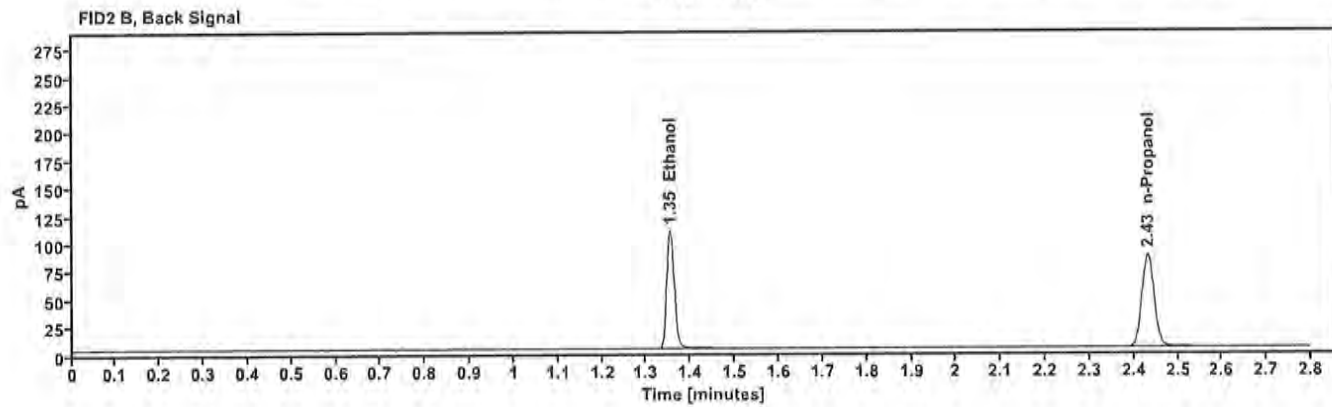
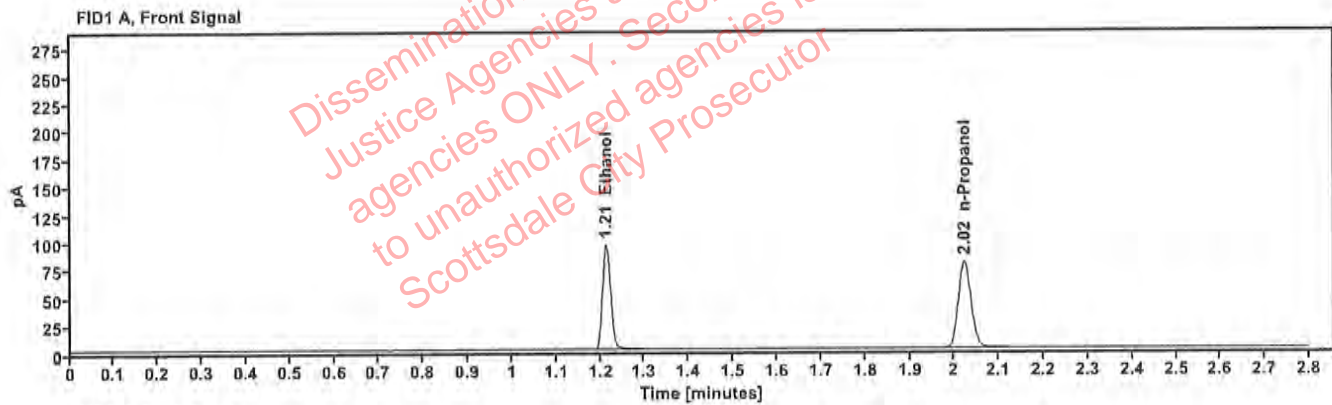


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	120.203
n-Propanol	2.022	156.233

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

Compound	Time (min)	Peak Area
Ethanol	1.354	128.435
n-Propanol	2.432	165.958

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 05Jul23
Method: ethanol quant.M	Injection date: 7/5/2023 1:26:41 PM
Instrument: US14173023 CN14160045	Analyst: Canonico <i>ee</i>
Data file: C:\Chem32\1\Data\05Jul23\4.D	

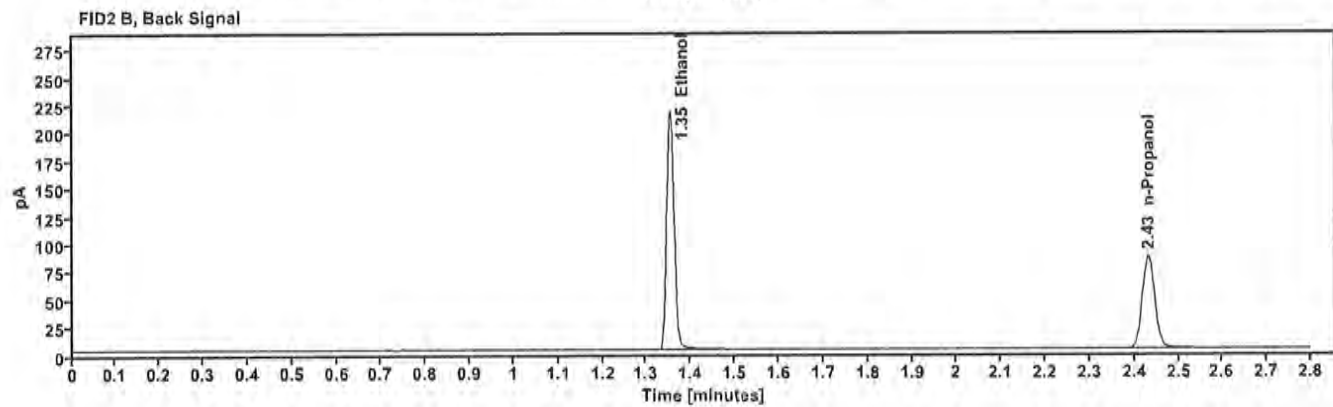
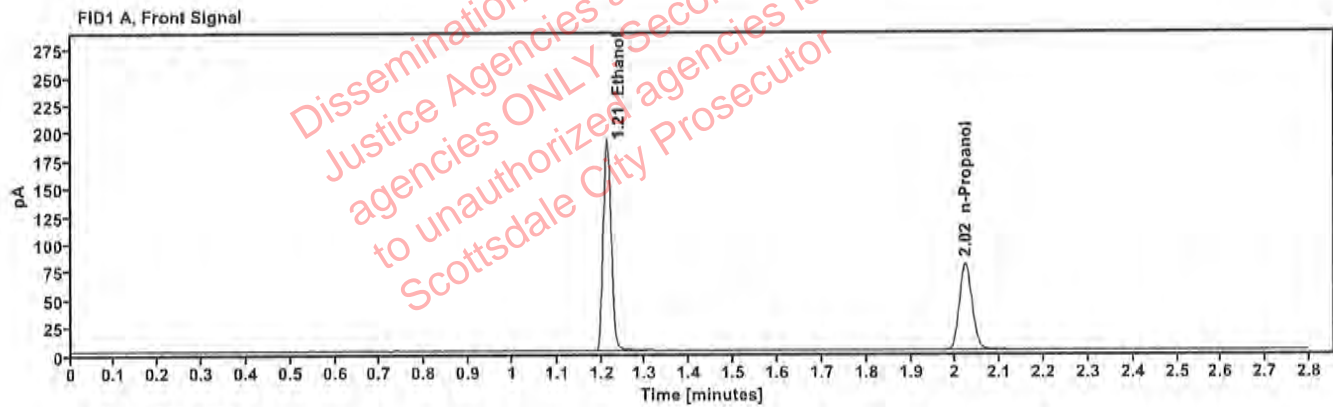


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	241.621
n-Propanol	2.022	156.471

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

Compound	Time (min)	Peak Area
Ethanol	1.353	258.888
n-Propanol	2.432	166.245

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 05Jul23
Instrument: US14173023 CN14160045	Injection date: 7/5/2023 1:30:41 PM
Data file: C:\Chem32\1\Data\05Jul23\5.D	Analyst: Canonico <i>EC</i>

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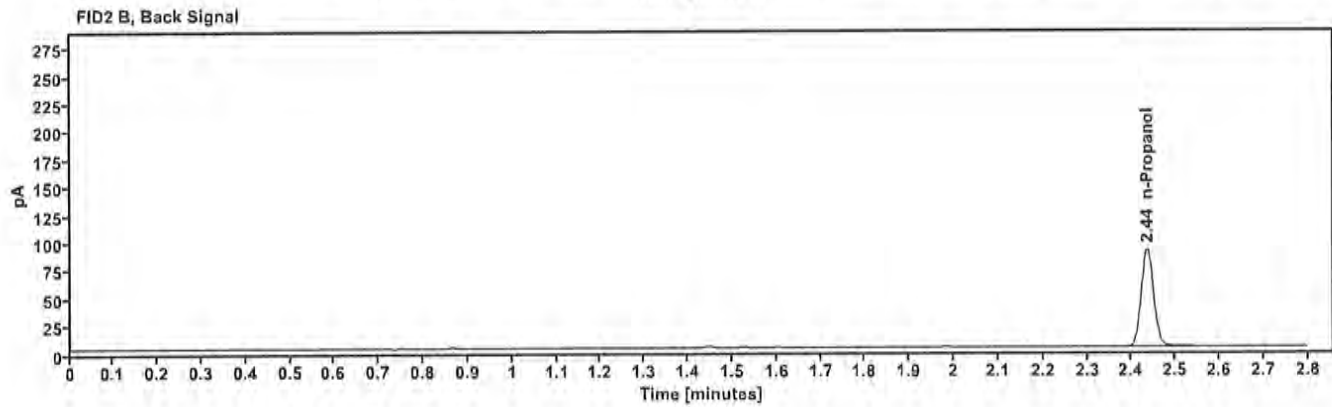
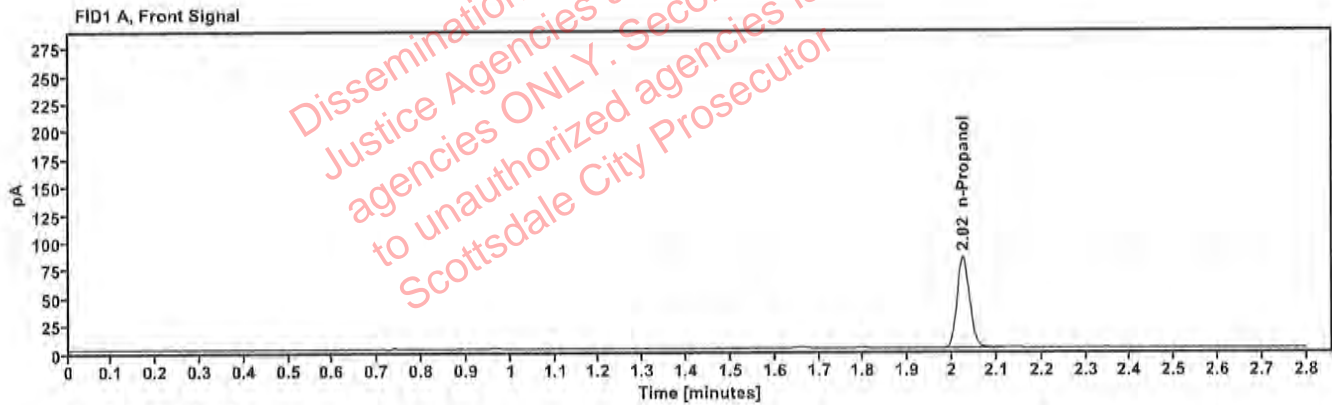


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.025	163.903

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	174.590

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 1:34:41 PM
Data file:	C:\Chem32\11Data\05Jul23\6.D	Analyst:	Canonico <i>EC</i>

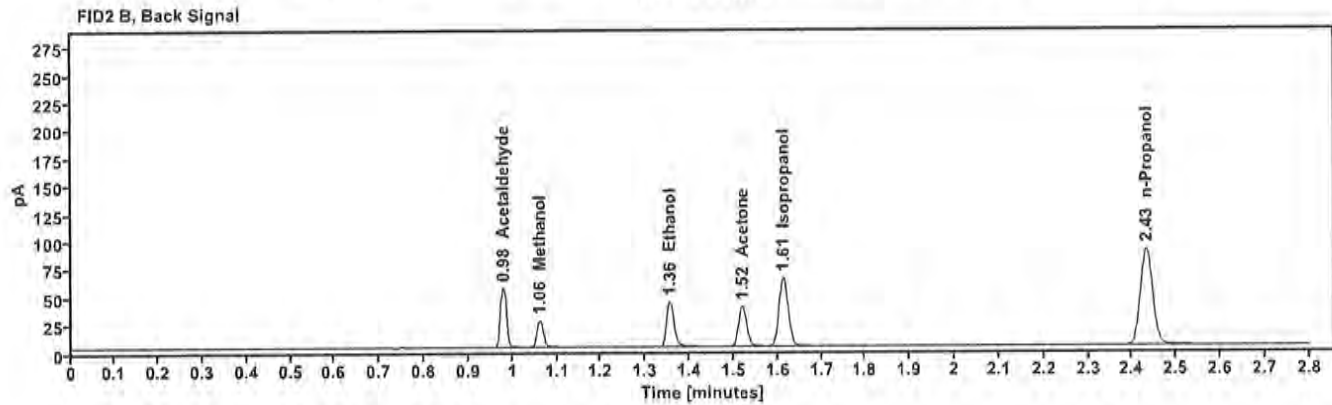
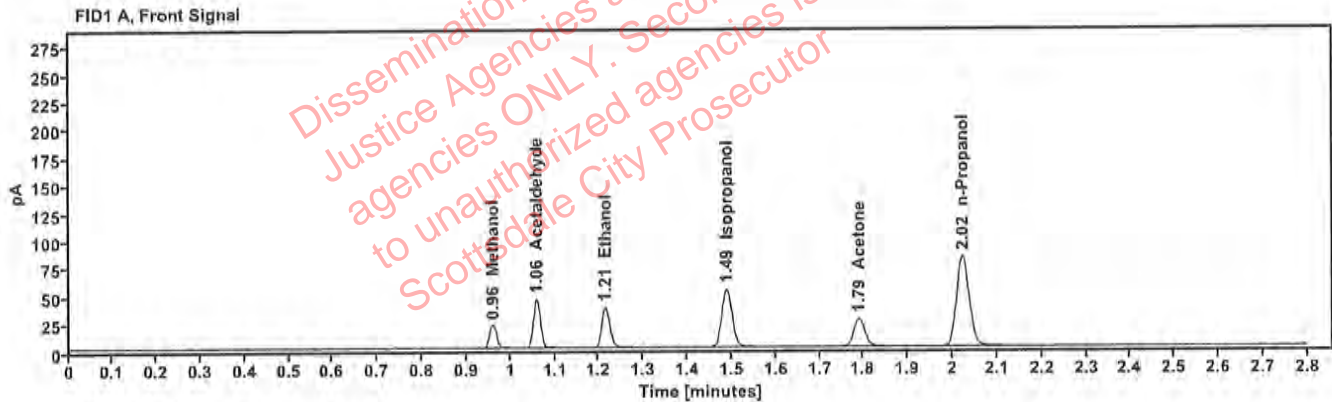


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.960	23.859
Acetaldehyde	-----	1.058	48.875
>Ethanol	0.0749	1.214	46.604
Isopropanol	-----	1.488	84.792
Acetone	-----	1.790	44.146
n-Propanol	-----	2.022	162.843

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.979	53.425
Methanol	1.061	25.822
Ethanol	1.355	49.532
Acetone	1.519	47.666
Isopropanol	1.613	91.997
n-Propanol	2.432	173.088

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 05Jul23
Instrument: US14173023 CN14160045	Injection date: 7/5/2023 1:38:56 PM
Data file: C:\Chem32\1\Data\05Jul23\7.D	Analyst: Canonico <i>EC</i>

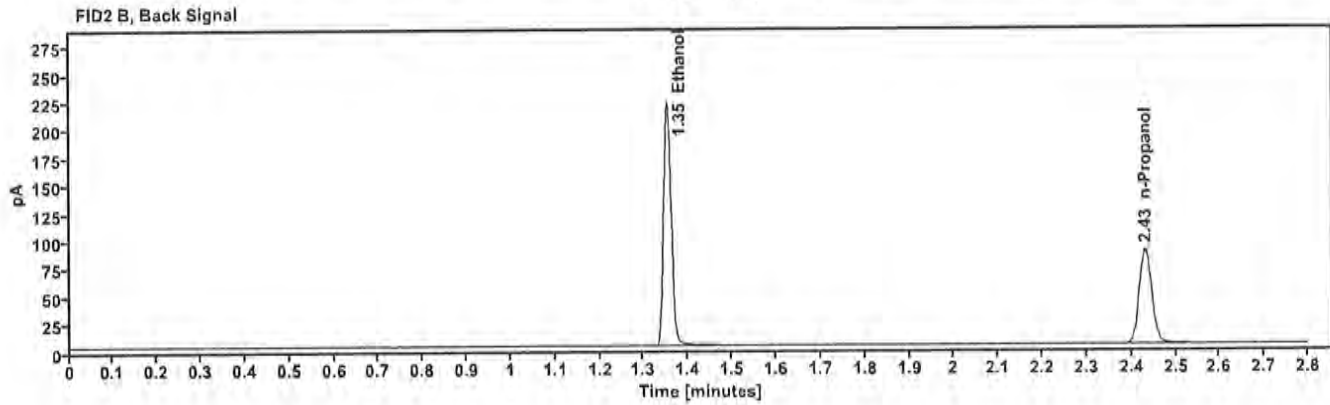
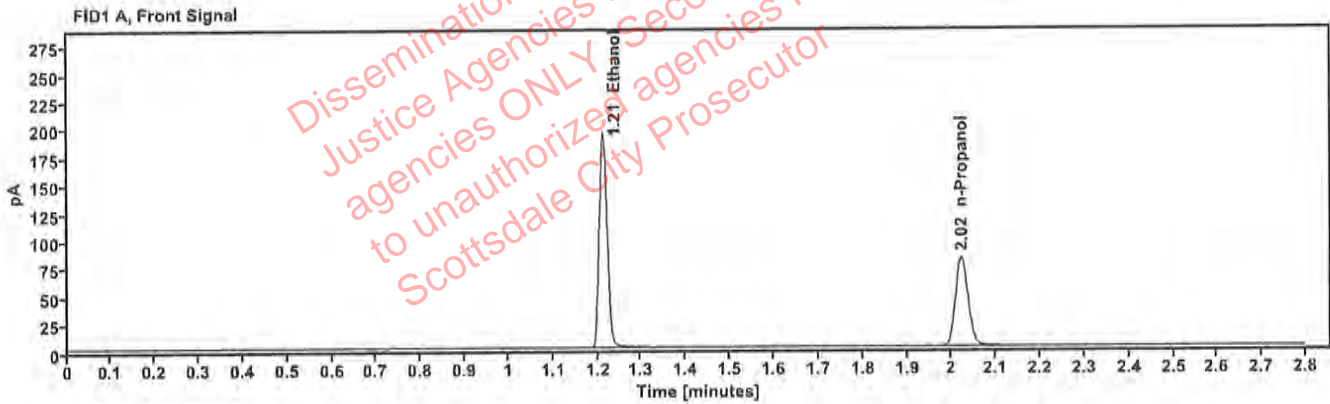


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3998	1.212	247.395
n-Propanol	-----	2.022	160.350

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

Compound	Time (min)	Peak Area
Ethanol	1.354	265.264
n-Propanol	2.432	170.266

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 05Jul23
Instrument: US14173023 CN14160045	Injection date: 7/5/2023 1:42:56 PM
Data file: C:\Chem32\1\Data\05Jul23\8.D	Analyst: Canonico <i>EL</i>

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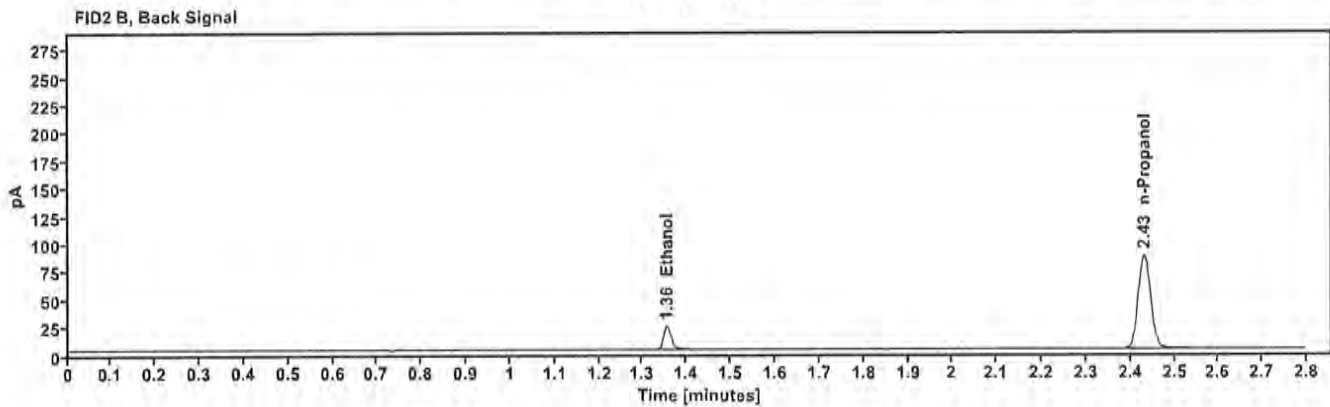
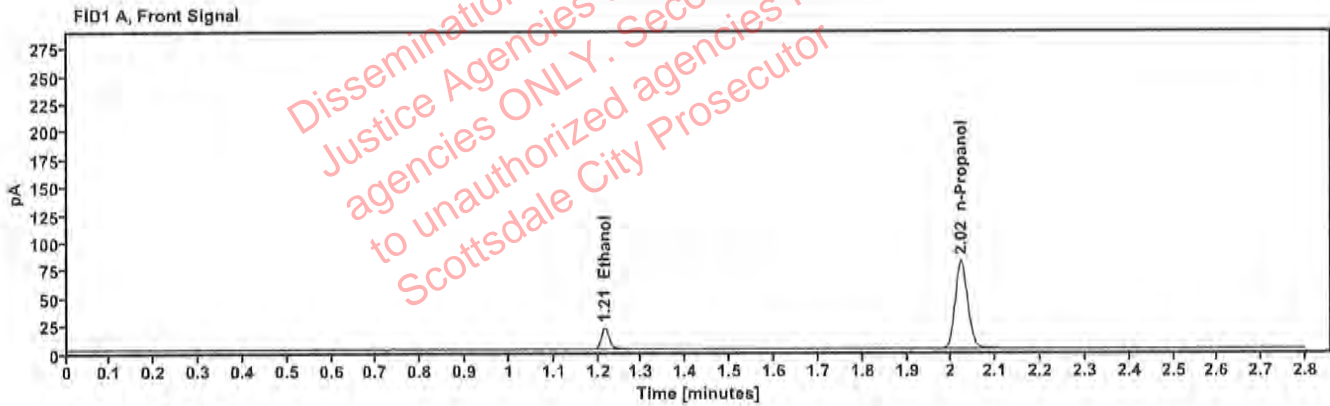


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.215	24.327
n-Propanol	-----	2.022	157.960

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

Compound	Time (min)	Peak Area
Ethanol	1.355	25.880
n-Propanol	2.432	167.942

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/10	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 1:46:55 PM
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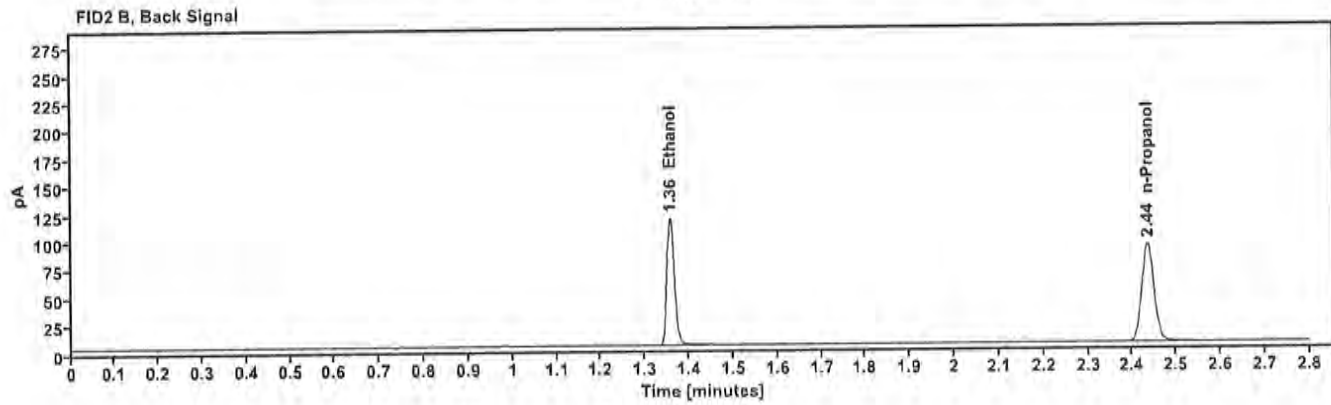
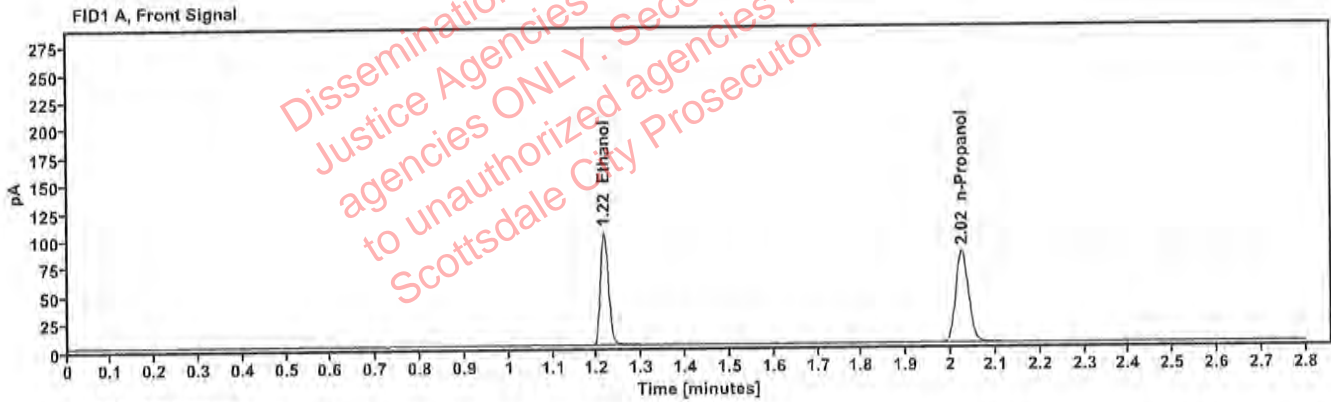


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2044	1.215	129.693
n-Propanol	-----	2.024	164.815

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

Compound	Time (min)	Peak Area
Ethanol	1.358	138.557
n-Propanol	2.435	175.283

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 05Jul23
Instrument: US14173023 CN14160045	Injection date: 7/5/2023 2:31:26 PM
Data file: C:\Chem32\1\Data\05Jul23\20.D	Analyst: Canonico <i>ec</i>

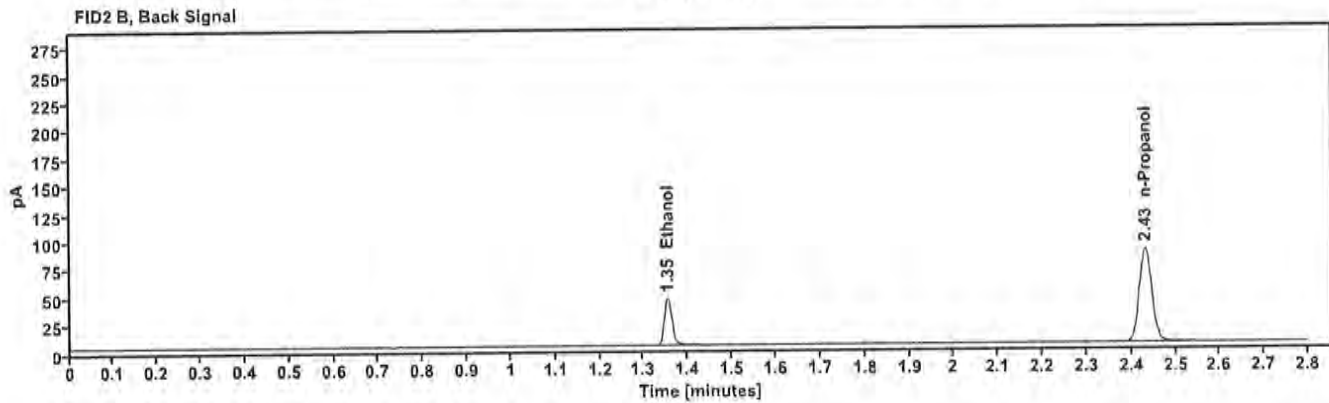
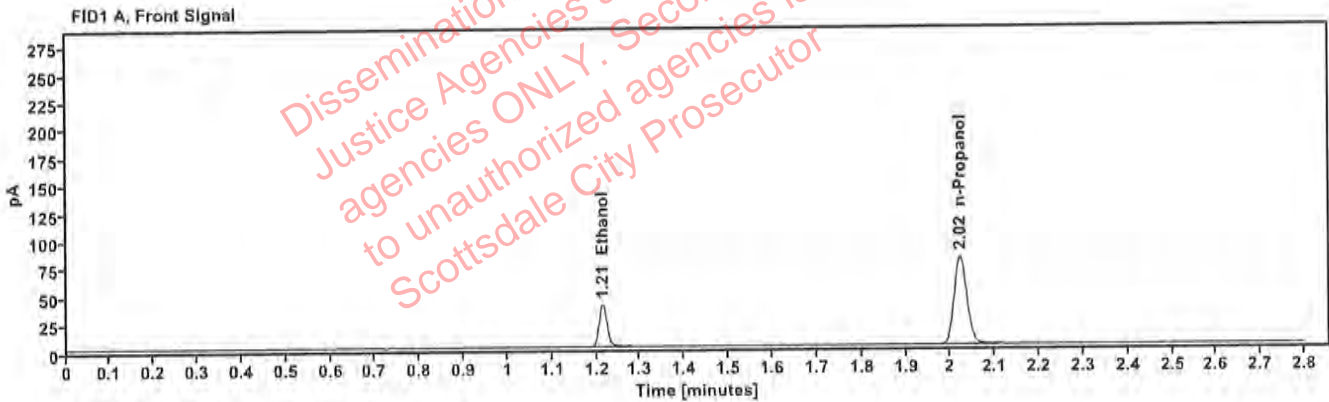


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0802	1.214	48.616
n-Propanol	---	2.022	158.588

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

Compound	Time (min)	Peak Area
Ethanol	1.354	51.802
n-Propanol	2.432	169.002

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:15:56 PM
Data file:	C:\Chem32\1\Data\05Jul23\31.D	Analyst:	Canonico <i>ec</i>

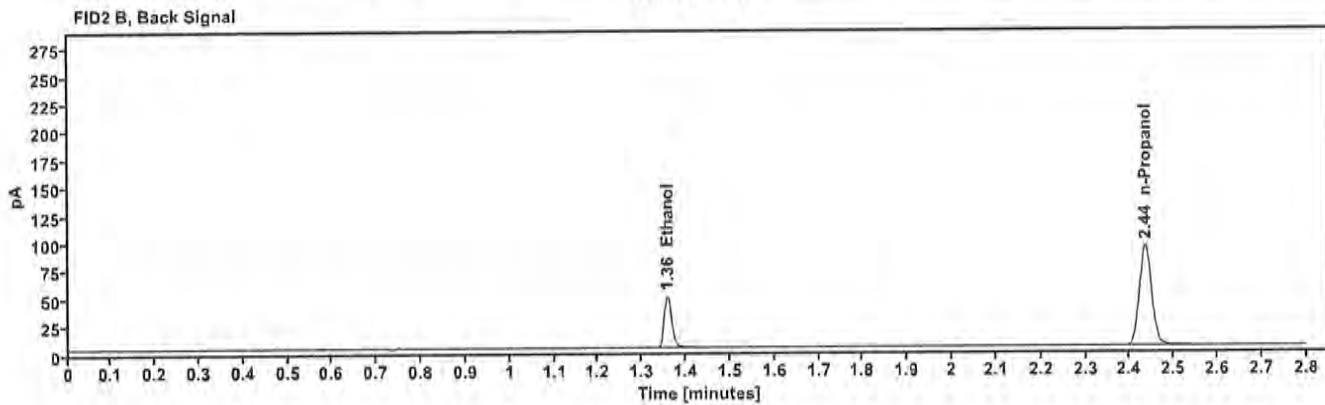
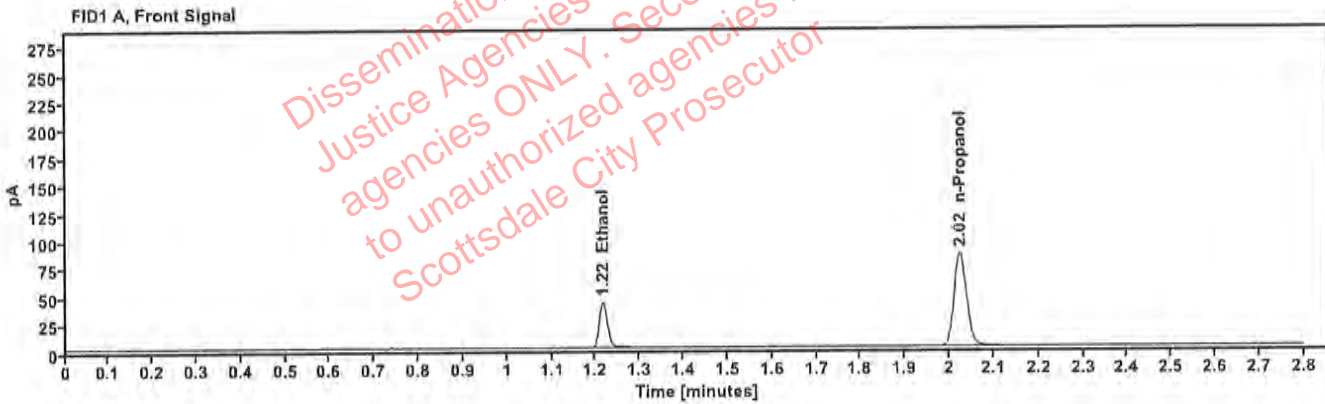


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0823	1.216	53.060
n-Propanol	---	2.024	168.462

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

Compound	Time (min)	Peak Area
Ethanol	1.358	56.558
n-Propanol	2.435	179.415

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	30012020-A	Vial:	40
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:52:10 PM
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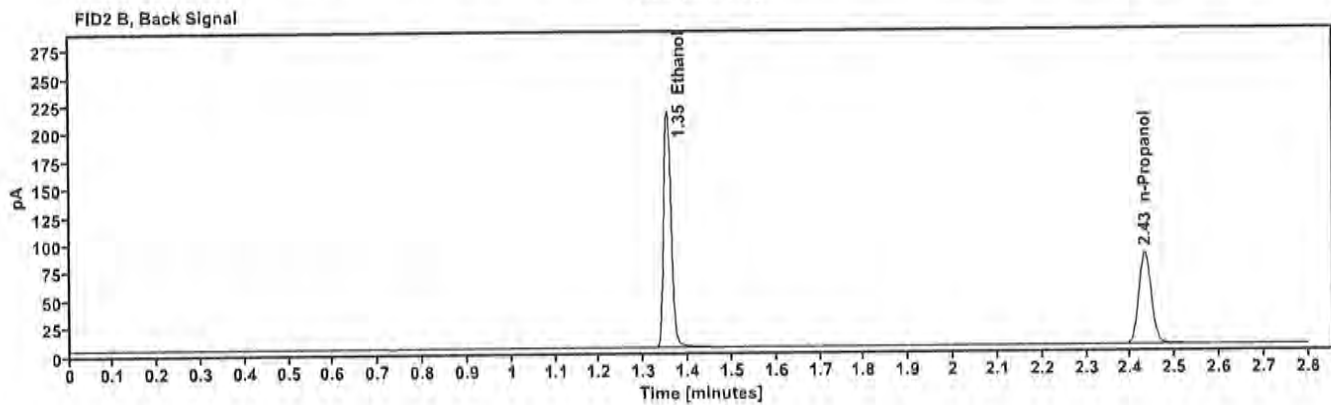
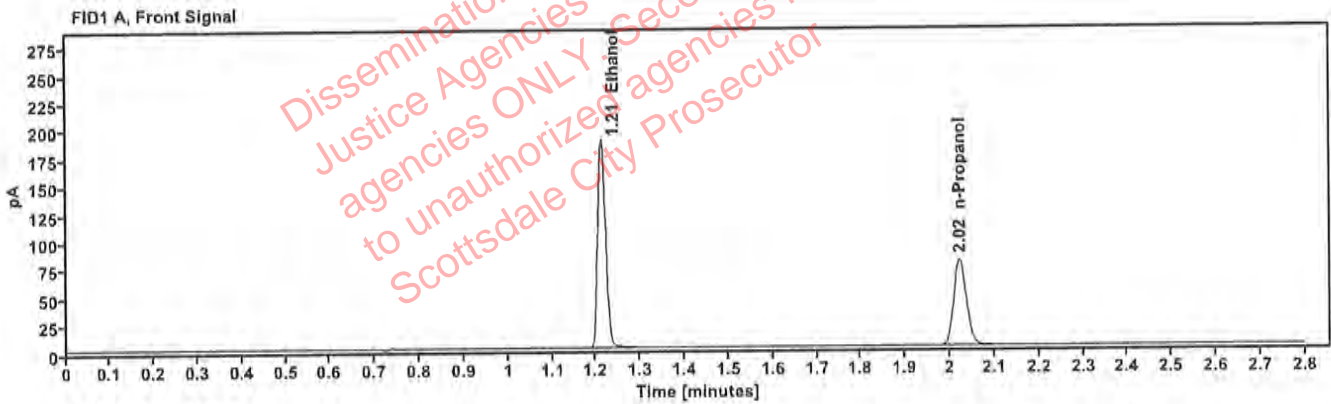


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3996	1.212	239.391
n-Propanol	—	2.022	155.263

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

Compound	Time (min)	Peak Area
Ethanol	1.354	257.114
n-Propanol	2.432	165.391

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	41
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:56:10 PM
Data file:	C:\Chem32\1\Data\05Jul23\41.D	Analyst:	Canonico <i>EC</i>

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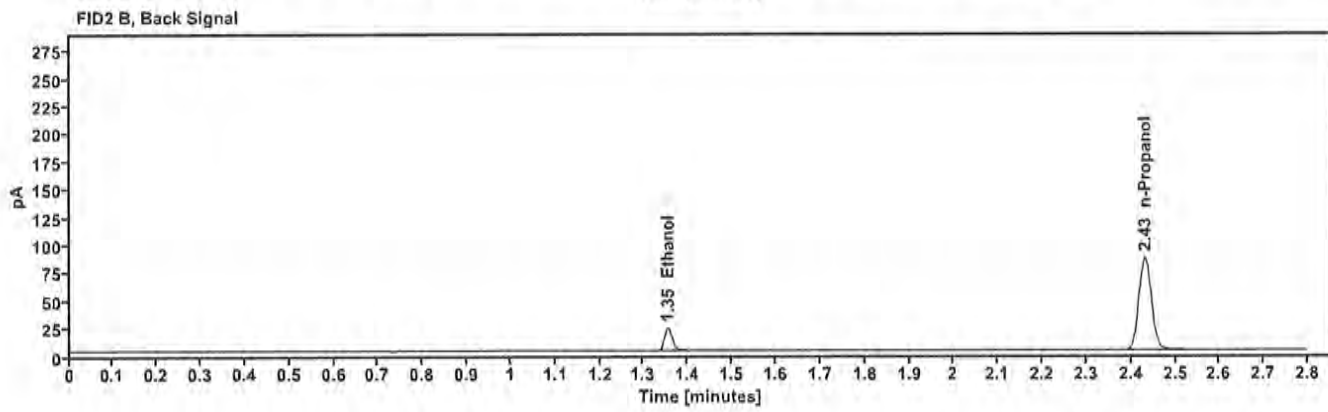
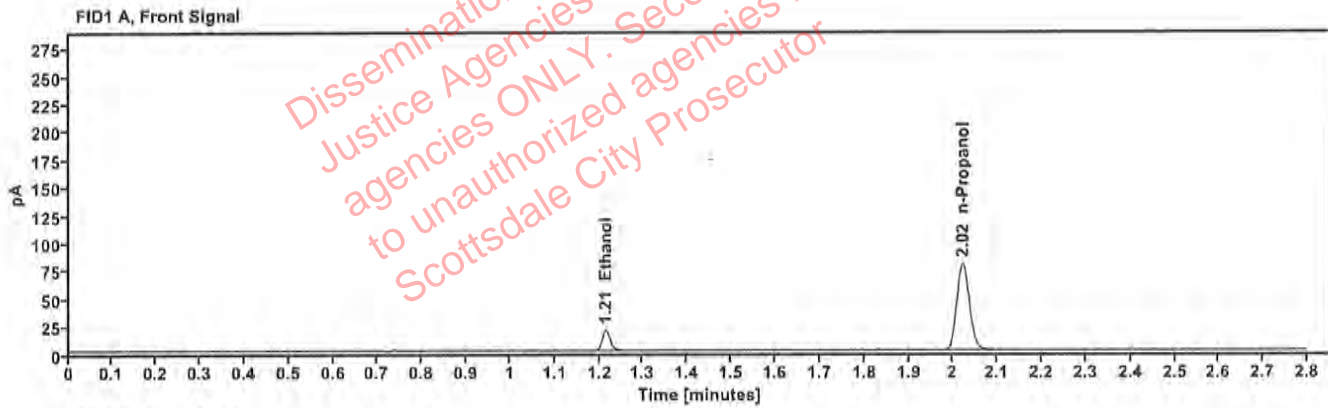


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0404	1.214	23.923
n-Propanol	—	2.022	156.483

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

Compound	Time (min)	Peak Area
Ethanol	1.355	25.453
n-Propanol	2.431	166.760

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/10	Vial:	42
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 4:00:11 PM
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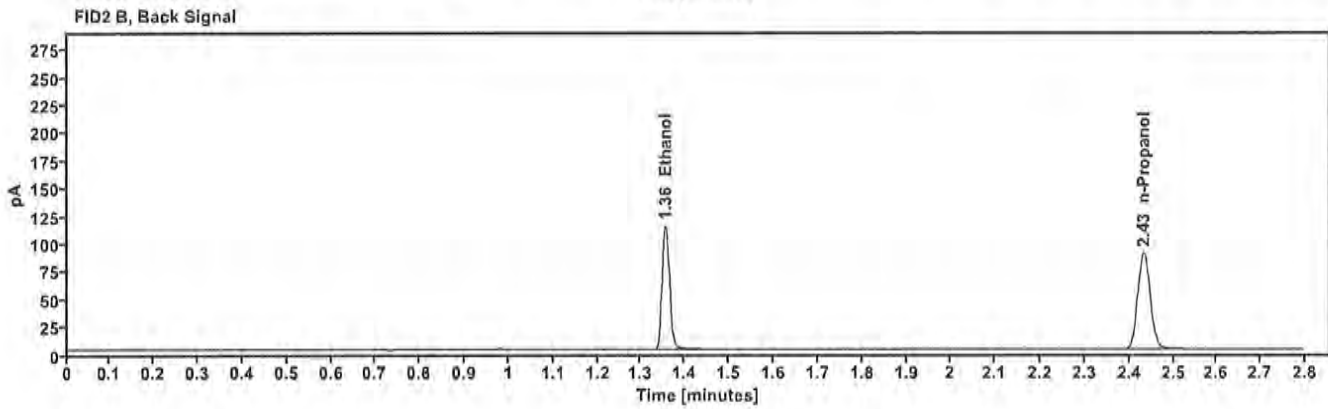
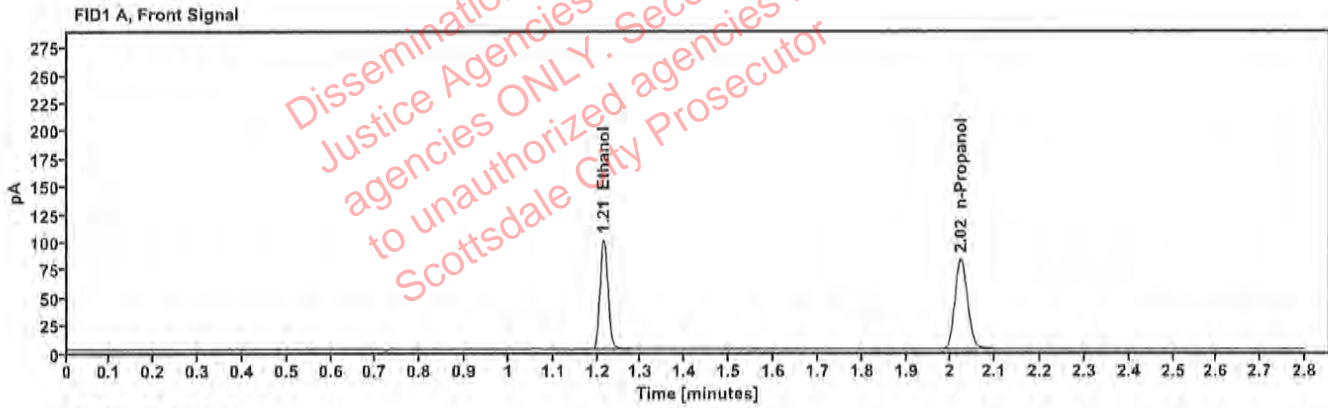


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2015	1.214	126.243
n-Propanol	—	2.023	162.739

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

Compound	Time (min)	Peak Area
Ethanol	1.355	134.762
n-Propanol	2.433	173.336

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	060223AQ	Vial:	43
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 4:04:26 PM
Data file:	C:\Chem32\1\Data\05Jul23\43.D	Analyst:	Canonico <i>el</i>

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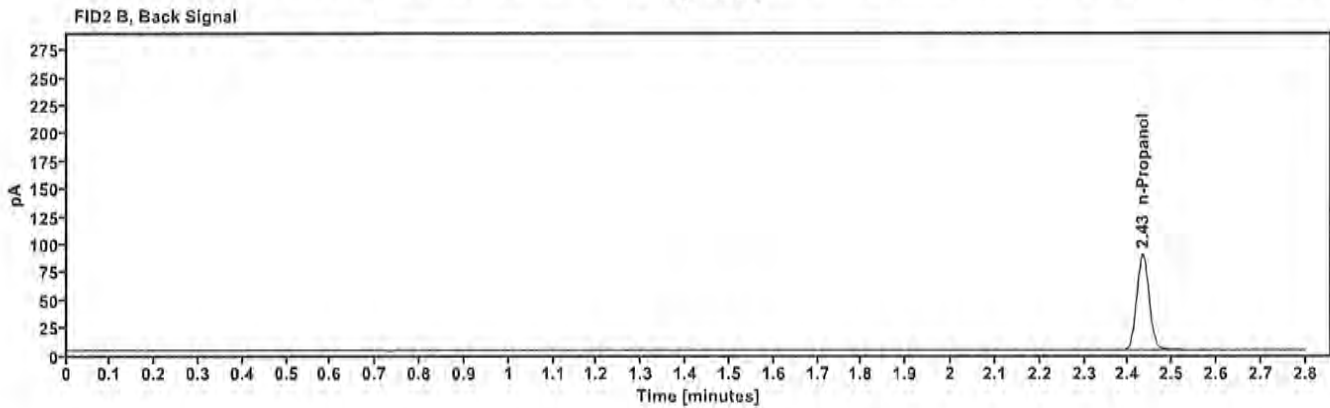
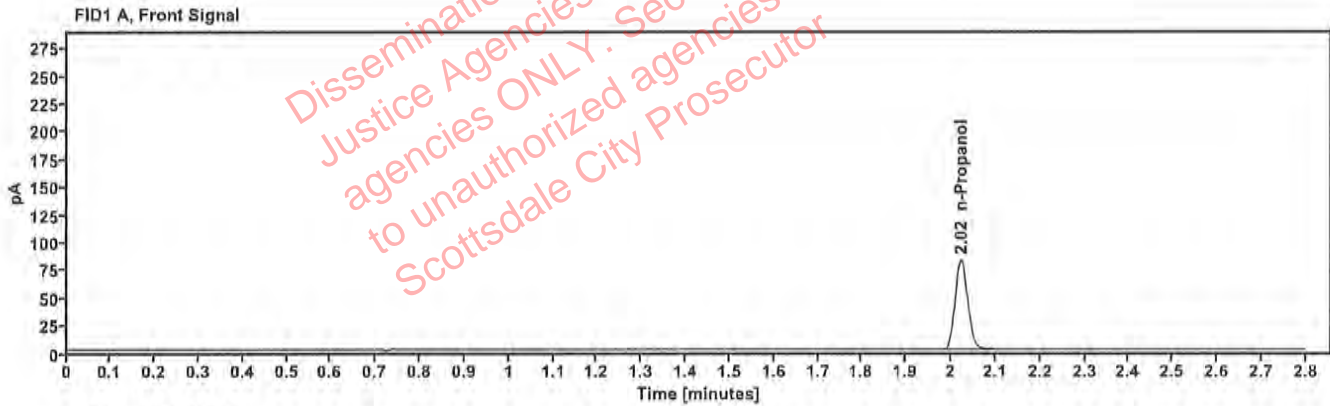


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.023	161.147

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	171.589

Sequence Summary

Sequence name: 05Jul23 Instrument: US14173023 CN14160045 Analyst: Canonico

Vial	Sample	Description	Type	LIMS ID	Method
1	FN10051909	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN02052101	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/10	0.199	Control		ethanol quant.M
10	2312011-1		Sample		ethanol quant.M
11	2312011-1		Sample		ethanol quant.M
12	2312789-2		Sample		ethanol quant.M
13	2312789-2		Sample		ethanol quant.M
14	2309018-1		Sample		ethanol quant.M
15	2309018-1		Sample		ethanol quant.M
16	2310179-2		Sample		ethanol quant.M
17	2310179-2		Sample		ethanol quant.M
18	2312917-2		Sample		ethanol quant.M
19	2312917-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2312968-2		Sample		ethanol quant.M
22	2312968-2		Sample		ethanol quant.M
23	2312649-3		Sample		ethanol quant.M
24	2312649-3		Sample		ethanol quant.M
25	2313058-2		Sample		ethanol quant.M
26	2313058-2		Sample		ethanol quant.M
27	2312709-1		Sample		ethanol quant.M
28	2312709-1		Sample		ethanol quant.M
29	2313049-1		Sample		ethanol quant.M
30	2313049-1		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2313204-2		Sample		ethanol quant.M
33	2313204-2		Sample		ethanol quant.M
34	2313212-2		Sample		ethanol quant.M
35	2313212-2		Sample		ethanol quant.M
36	2313248-2		Sample		ethanol quant.M
37	2313248-2		Sample		ethanol quant.M
38	2311772-3		Sample		ethanol quant.M
39	2311772-3		Sample		ethanol quant.M
40	30012020-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	4110320133/10	0.199	Control		ethanol quant.M
43	060223AQ	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 05Jul23

ANALYST: Canonico *CC*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0000	0.0000	0.00000	0.00	0.00000
12 13	0.2054	0.2057	0.20555	0.07	0.00015
14 15	0.2075	0.2084	0.20795	0.22	0.00045
16 17	0.1543	0.1547	0.15450	0.13	0.00020
18 19	0.1246	0.1245	0.12455	0.04	0.00005
21 22	0.2756	0.2768	0.27620	0.22	0.00060
23 24	0.1772	0.1768	0.17700	0.11	0.00020
25 26	0.1897	0.1899	0.18980	0.05	0.00010
27 28	0.1327	0.1320	0.13235	0.26	0.00035
29 30	0.0923	0.0925	0.09240	0.11	0.00010
32 33	0.1938	0.1925	0.19315	0.34	0.00065
34 35	0.2828	0.2841	0.28345	0.23	0.00065
36 37	0.1811	0.1791	0.18010	0.56	0.00100
38 39	0.1321	0.1321	0.13210	0.00	0.00000

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312011-1	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 1:50:55 PM
Data file:	C:\Chem32\1\Data\05Jul23\10.D	Analyst:	Canonico

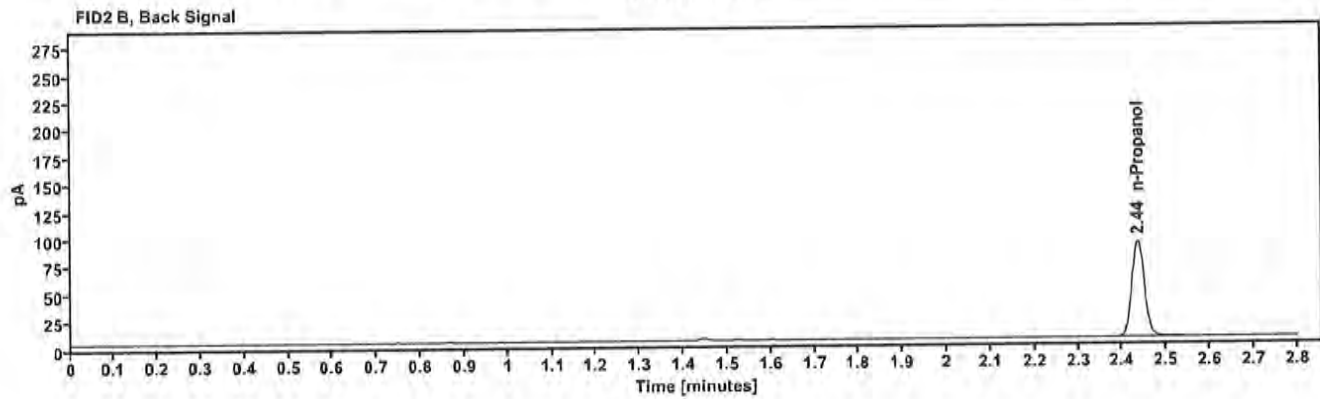
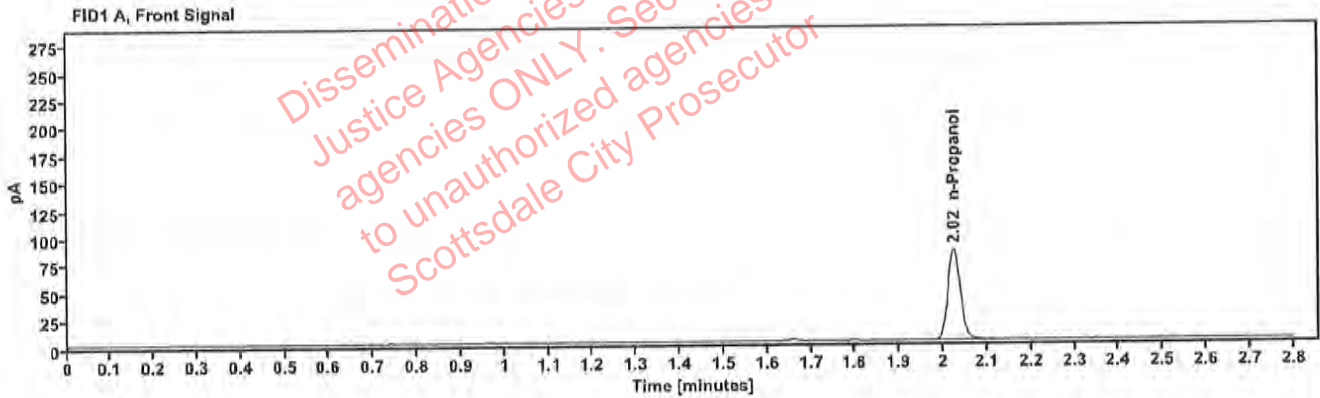


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.024	163.512

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	174.472

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312011-1	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 1:54:56 PM
Data file:	C:\Chem32\1\Data\05Jul23\11.D	Analyst:	Canonico

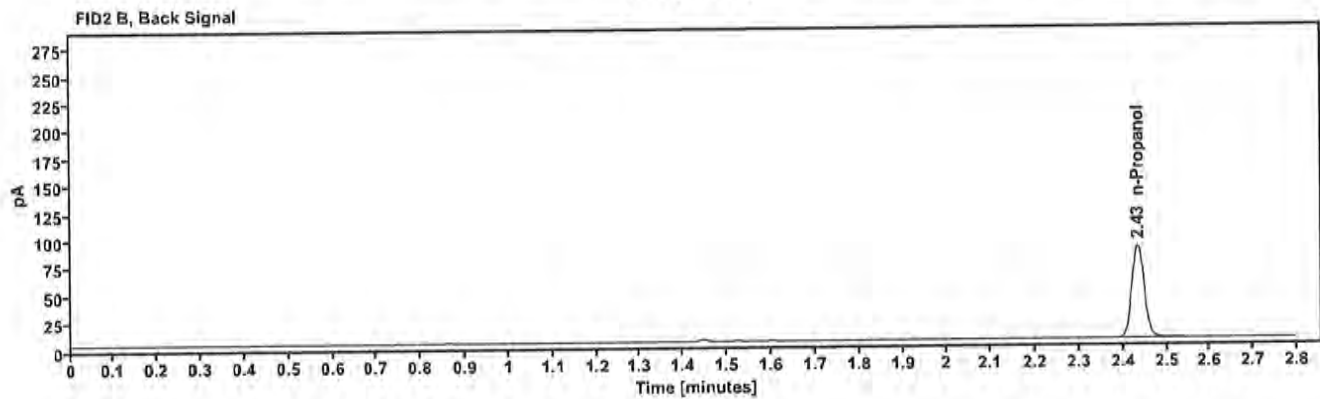
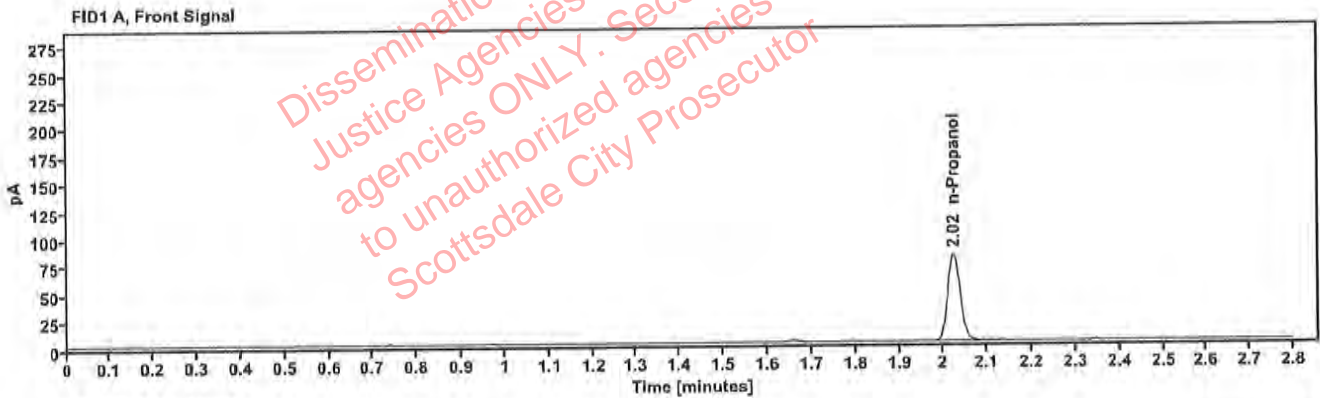


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.024	158.013

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

Compound	Time (min)	Peak Area
n-Propanol	2.434	168.611

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312789-2	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 1:58:55 PM
Data file:	C:\Chem32\1\Data\05Jul23\12.D	Analyst:	Canonico

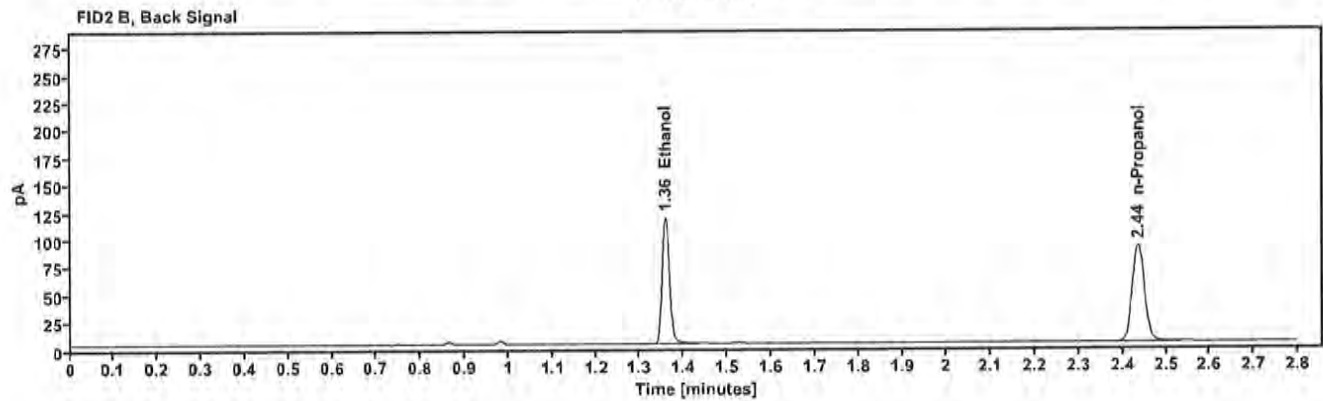
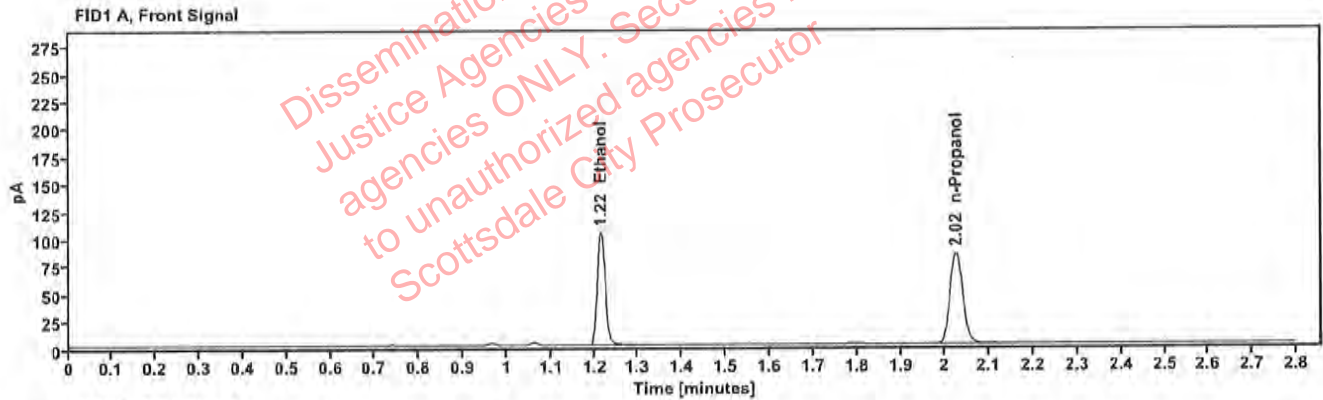


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2054	1.215	131.072
n-Propanol	—	2.025	165.715

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

Compound	Time (min)	Peak Area
Ethanol	1.358	139.865
n-Propanol	2.436	176.479

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312789-2	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:03:10 PM
Data file:	C:\Chem32\1\Data\05Jul23\13.D	Analyst:	Canonico

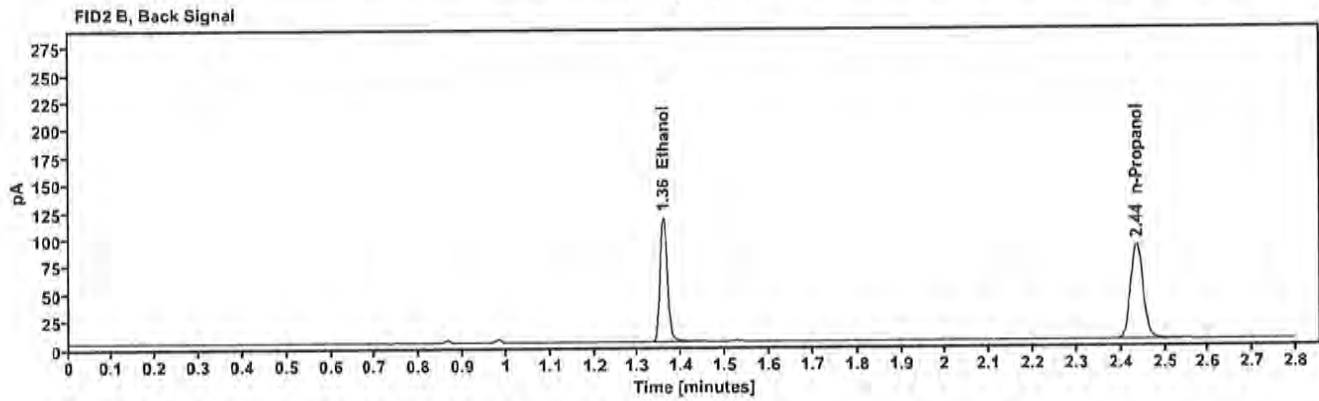
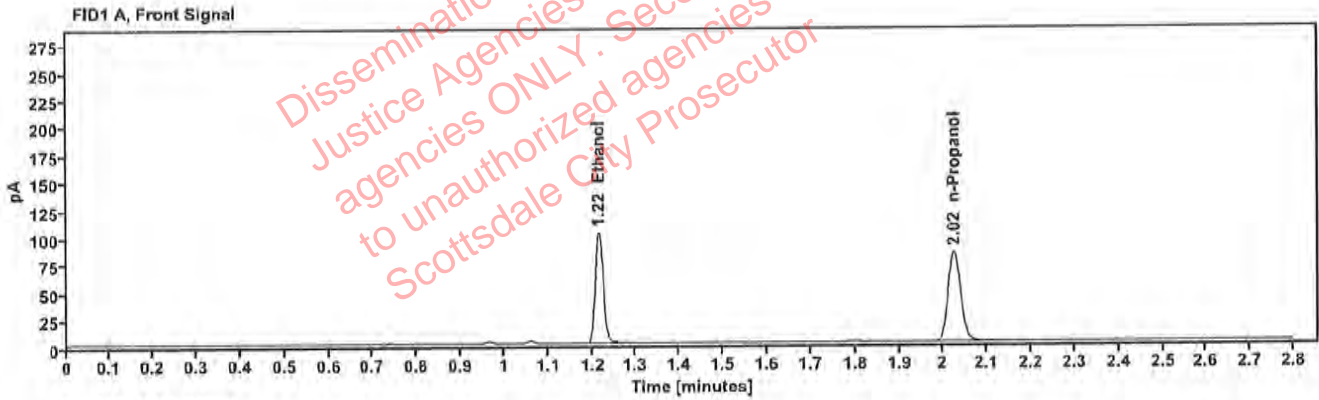


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2057	1.215	129.209
n-Propanol	---	2.025	163.125

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

Compound	Time (min)	Peak Area
Ethanol	1.358	138.136
n-Propanol	2.436	173.677

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2309018-1	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:07:11 PM
Data file:	C:\Chem32\1\Data\05Jul23\14.D	Analyst:	Canonico

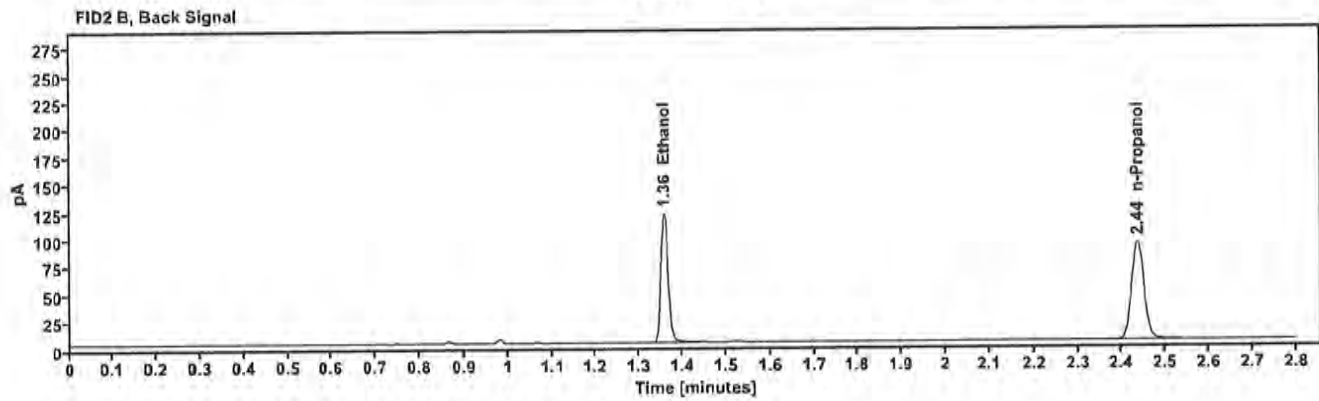
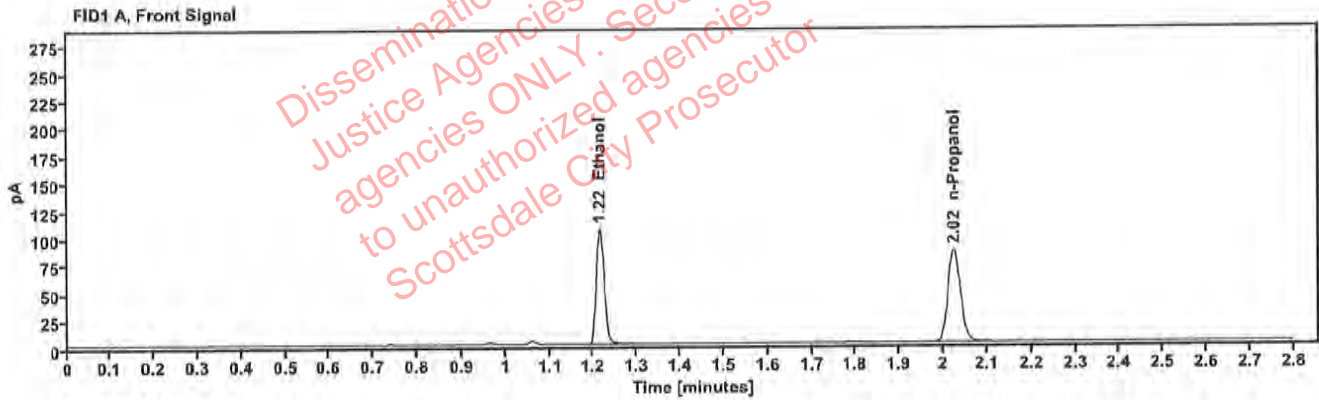


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2075	1.215	133.649
n-Propanol	---	2.024	167.227

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

Compound	Time (min)	Peak Area
Ethanol	1.358	143.000
n-Propanol	2.435	178.226

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2309018-1	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:11:10 PM
Data file:	C:\Chem32\1\Data\05Jul23\15.D	Analyst:	Canonico

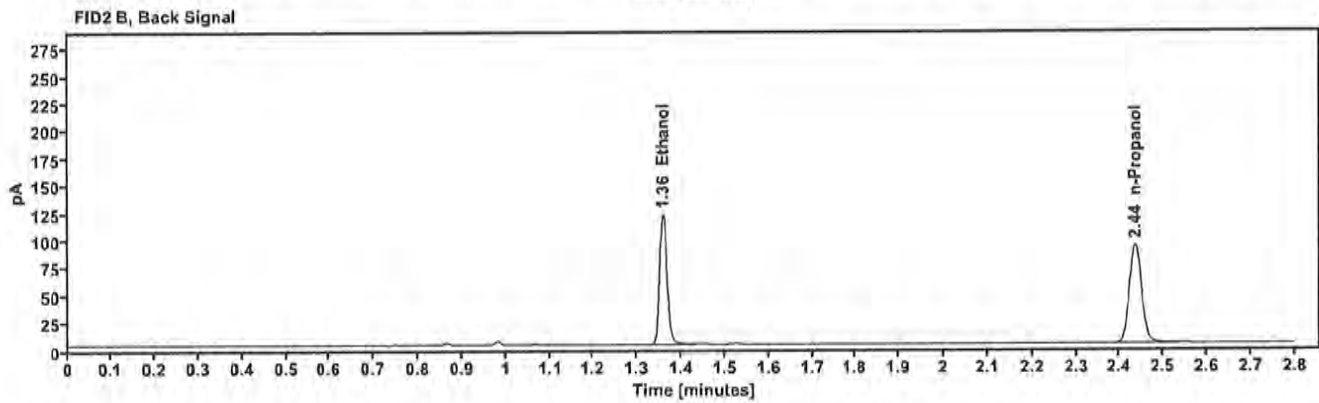
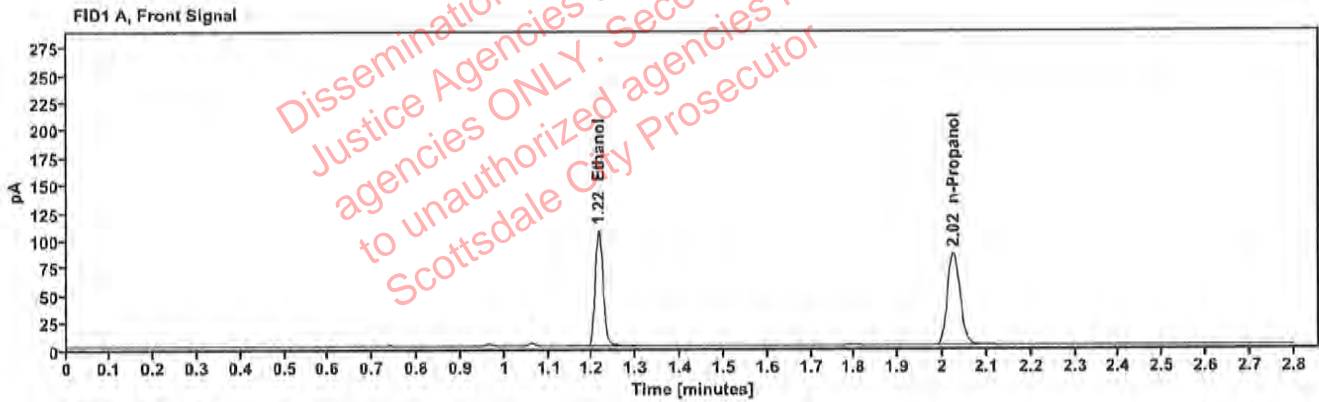


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2084	1.215	134.501
n-Propanol	---	2.025	167.623

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

Compound	Time (min)	Peak Area
Ethanol	1.358	143.526
n-Propanol	2.436	178.496

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2310179-2	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:15:11 PM
Data file:	C:\Chem32\1\Data\05Jul23\16.D	Analyst:	Canonico

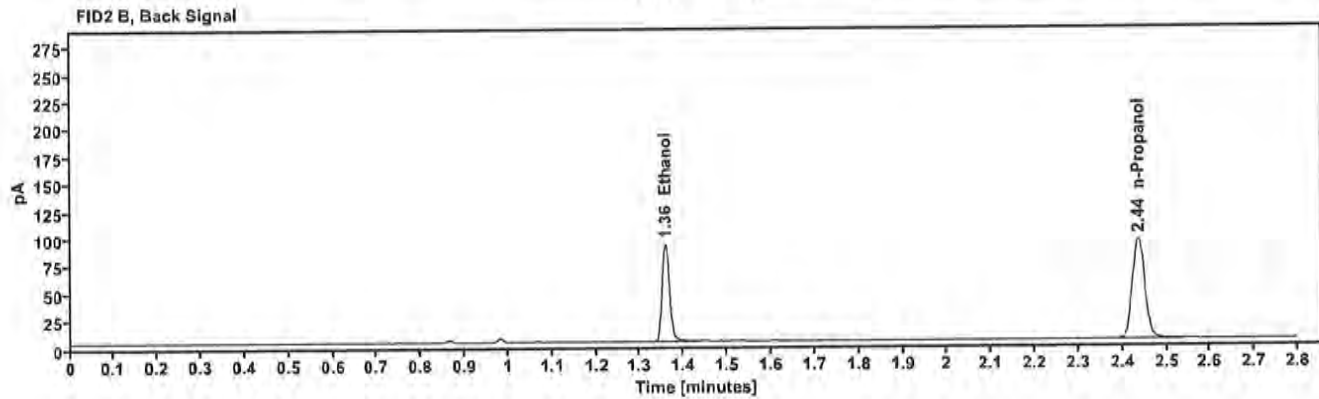
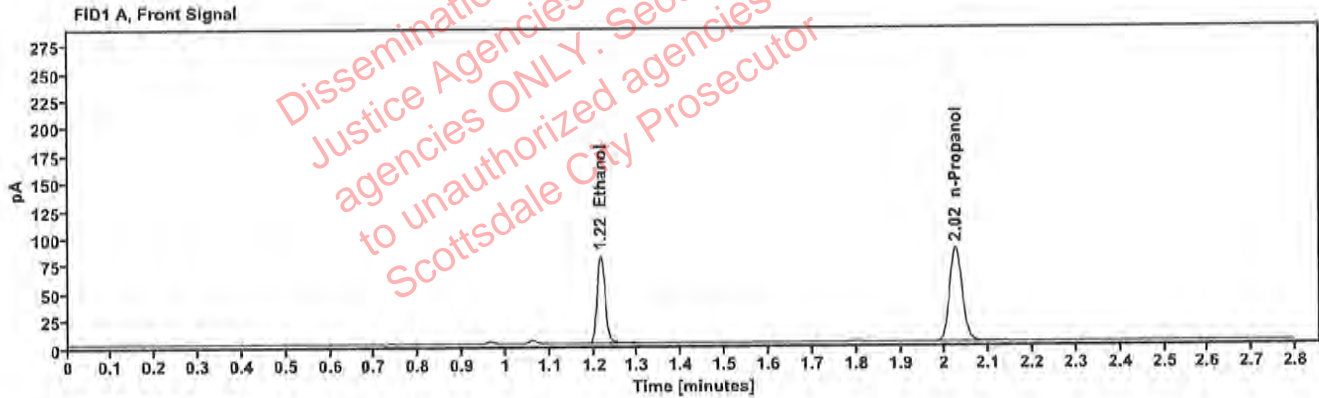


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1543	1.216	101.234
n-Propanol	-----	2.025	170.587

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

Compound	Time (min)	Peak Area
Ethanol	1.358	108.106
n-Propanol	2.436	181.806

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2310179-2	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:19:11 PM
Data file:	C:\Chem32\1\Data\05Jul23\17.D	Analyst:	Canonico

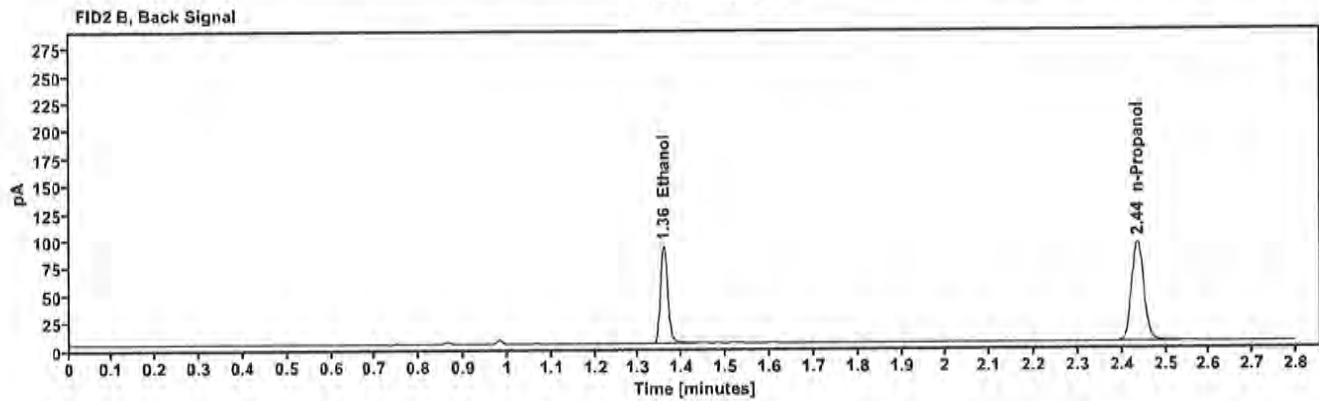
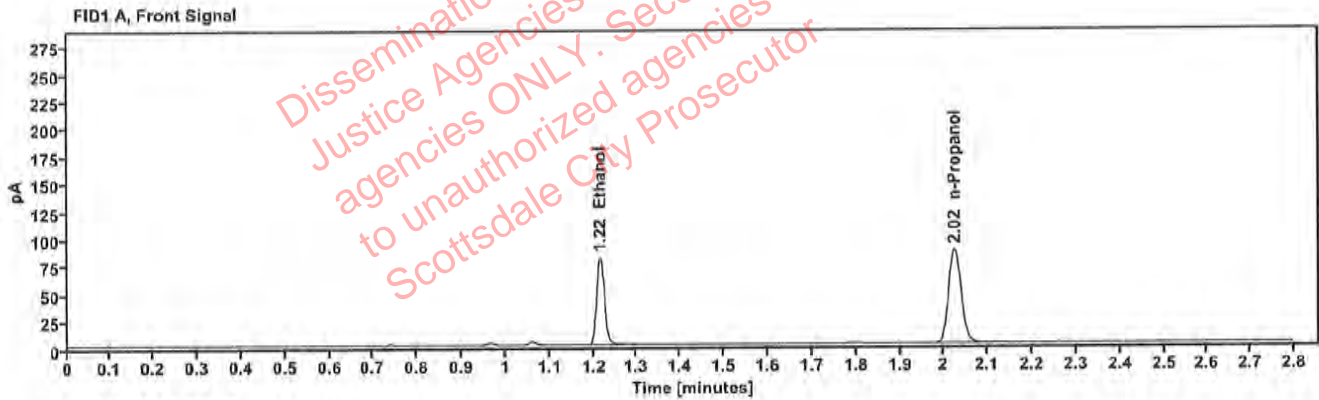


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1547	1.216	101.289
n-Propanol	—	2.024	170.250

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

Compound	Time (min)	Peak Area
Ethanol	1.358	107.889
n-Propanol	2.435	181.281

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312917-2	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:23:11 PM
Data file:	C:\Chem32\1\Data\05Jul23\18.D	Analyst:	Canonico

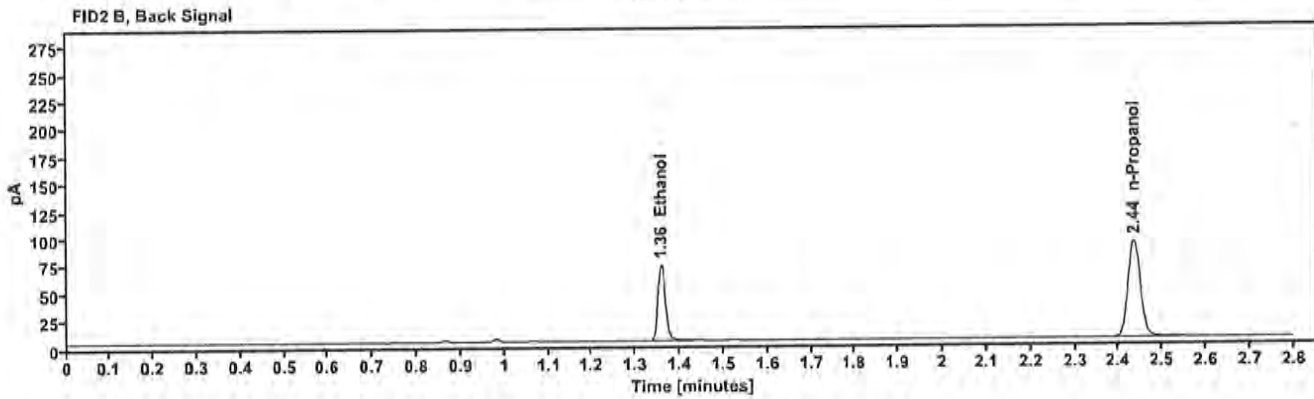
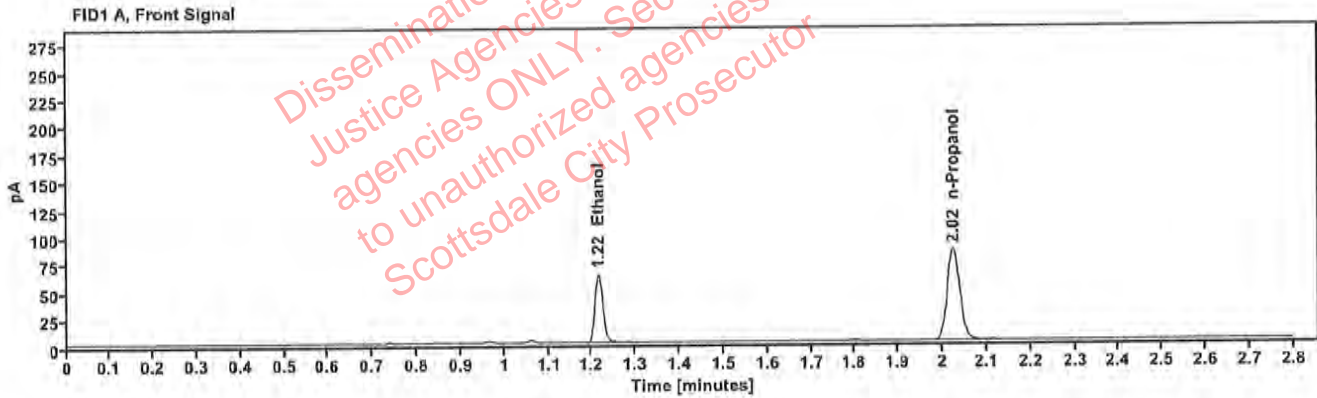


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1246	1.216	79.245
n-Propanol	---	2.024	165.618

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

Compound	Time (min)	Peak Area
Ethanol	1.358	84.395
n-Propanol	2.435	176.572

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312917-2	Vial:	19
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:27:26 PM
Data file:	C:\Chem32\1\Data\05Jul23\19.D	Analyst:	Canonico

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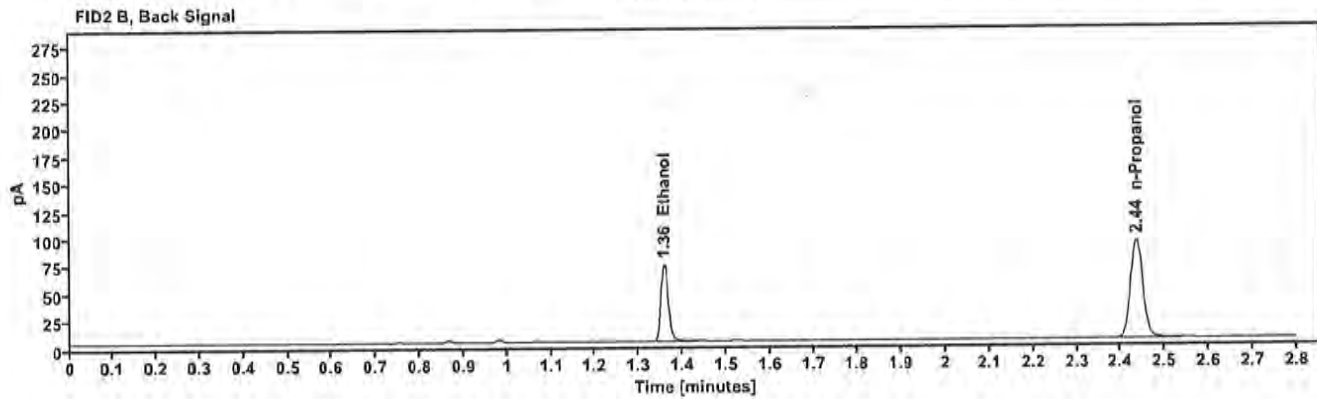
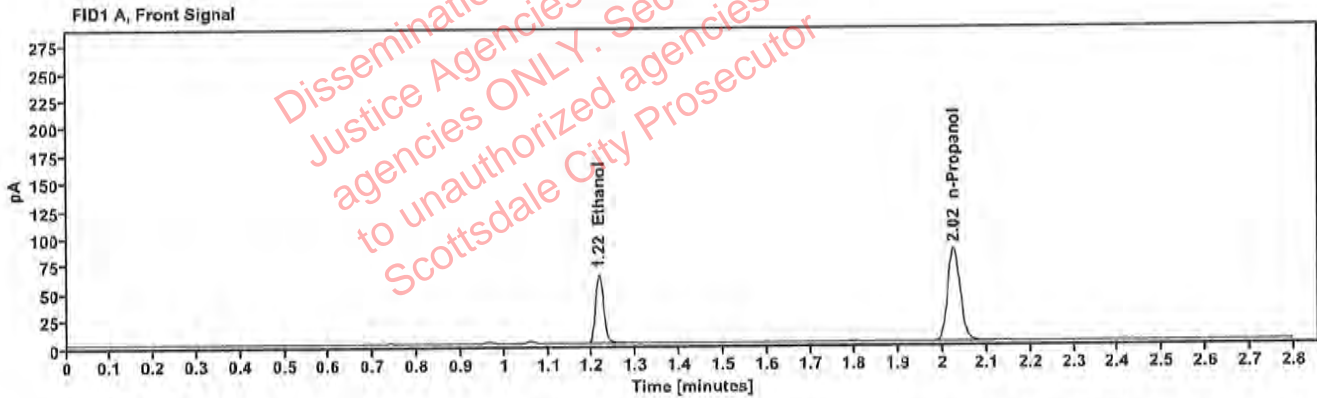


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1245	1.216	80.181
n-Propanol	-----	2.024	167.679

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

Compound	Time (min)	Peak Area
Ethanol	1.358	85.475
n-Propanol	2.435	178.558

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312968-2	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:35:25 PM
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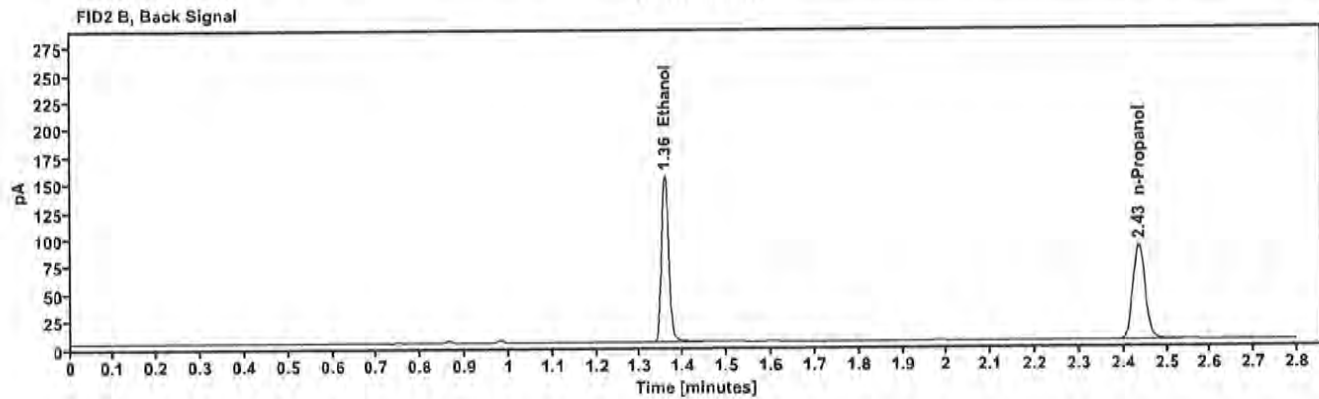
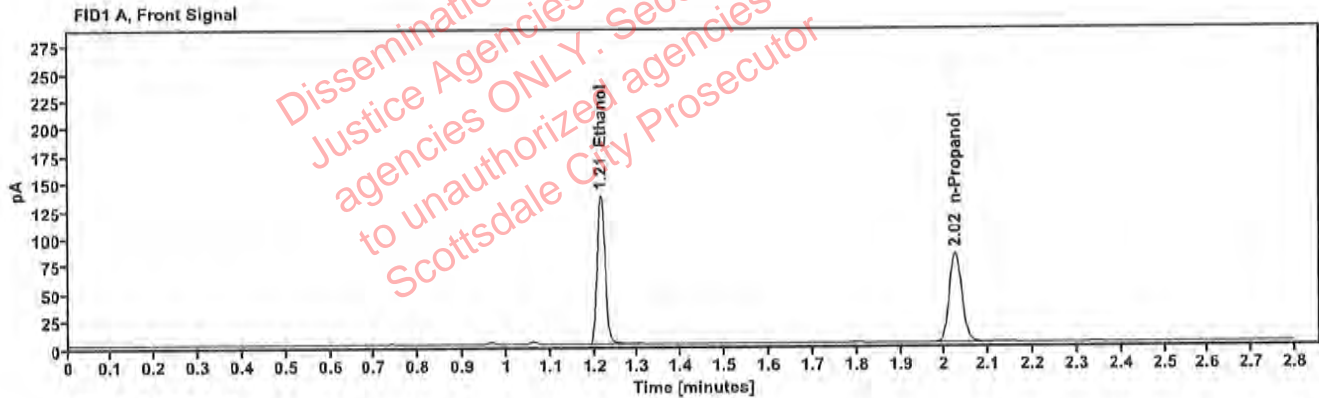


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2756	1.215	171.166
n-Propanol	-----	2.024	161.084

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

Compound	Time (min)	Peak Area
Ethanol	1.357	183.192
n-Propanol	2.435	171.621

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312968-2	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:39:26 PM
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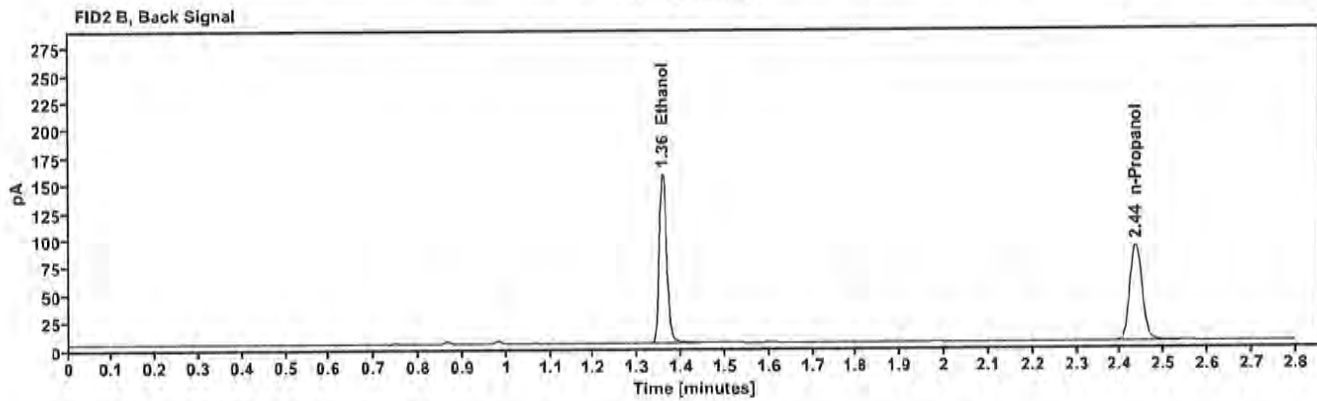
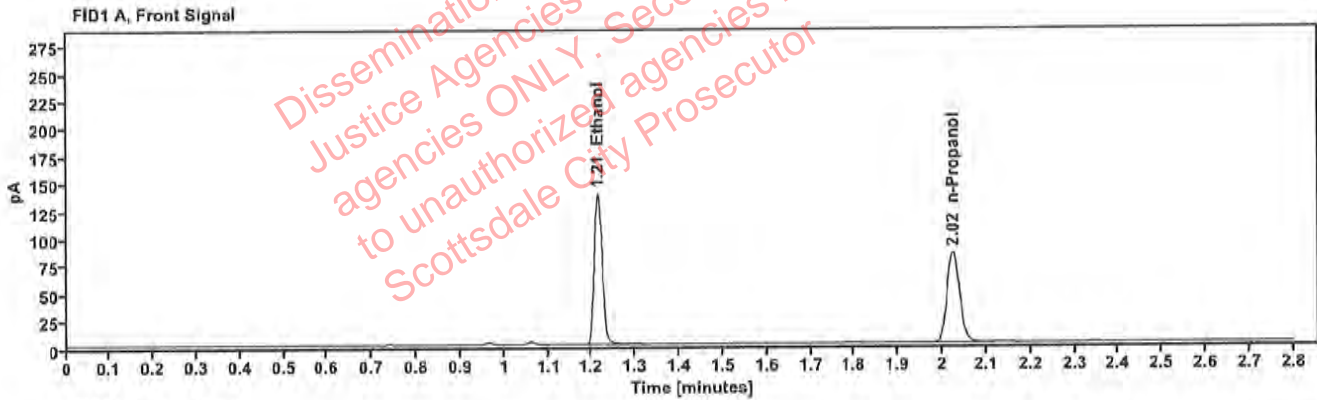


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2768	1.215	174.537
n-Propanol	---	2.024	163.589

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

Compound	Time (min)	Peak Area
Ethanol	1.357	186.832
n-Propanol	2.435	174.226

Case: [REDACTED] Canonico, Erika - (06-Jul-2023)

User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312649-3	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:43:26 PM
Data file:	C:\Chem32\1\Data\05Jul23\23.D	Analyst:	Canonico

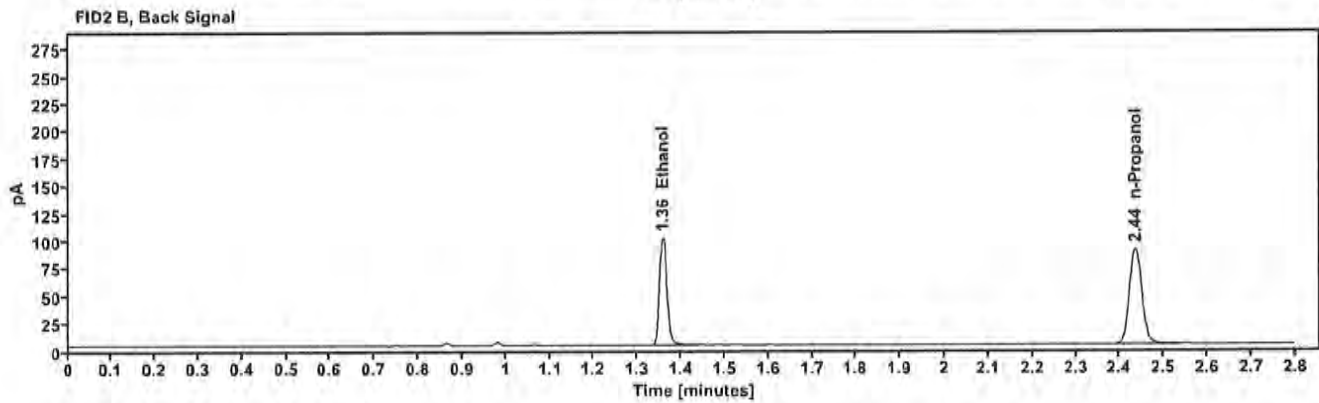
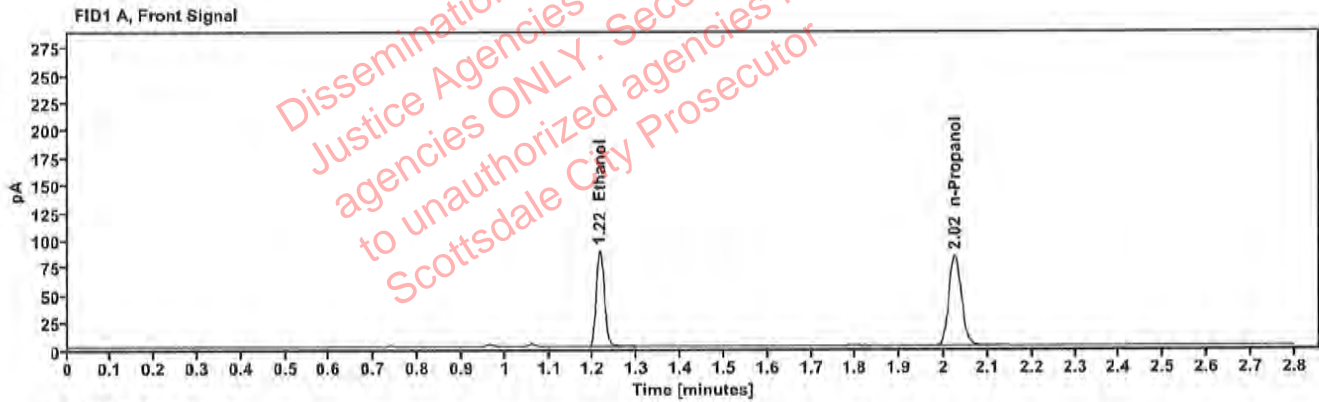


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1772	1.215	111.304
n-Propanol	---	2.025	163.197

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

Compound	Time (min)	Peak Area
Ethanol	1.358	118.896
n-Propanol	2.435	173.804

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312649-3	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:47:26 PM
Data file:	C:\Chem32\1\Data\05Jul23\24.D	Analyst:	Canonico

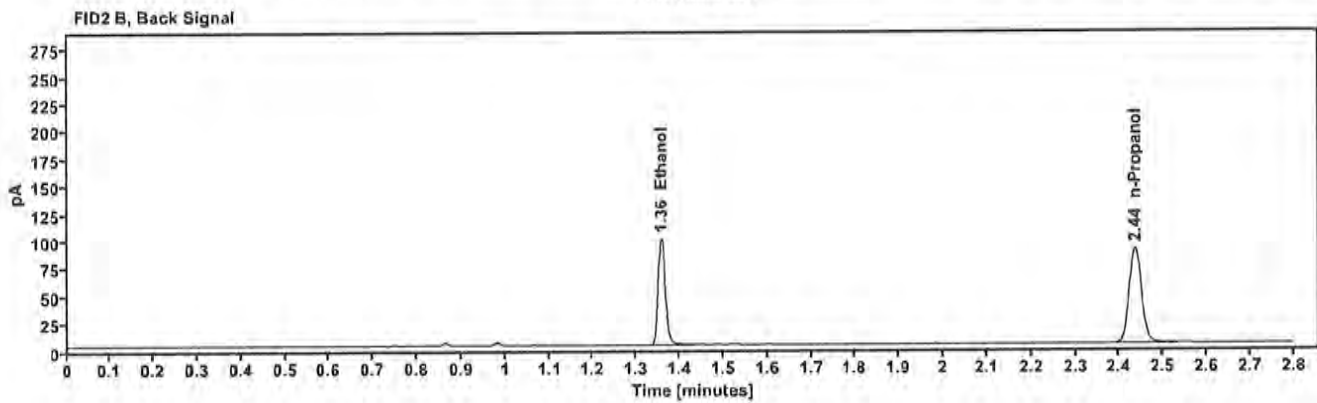
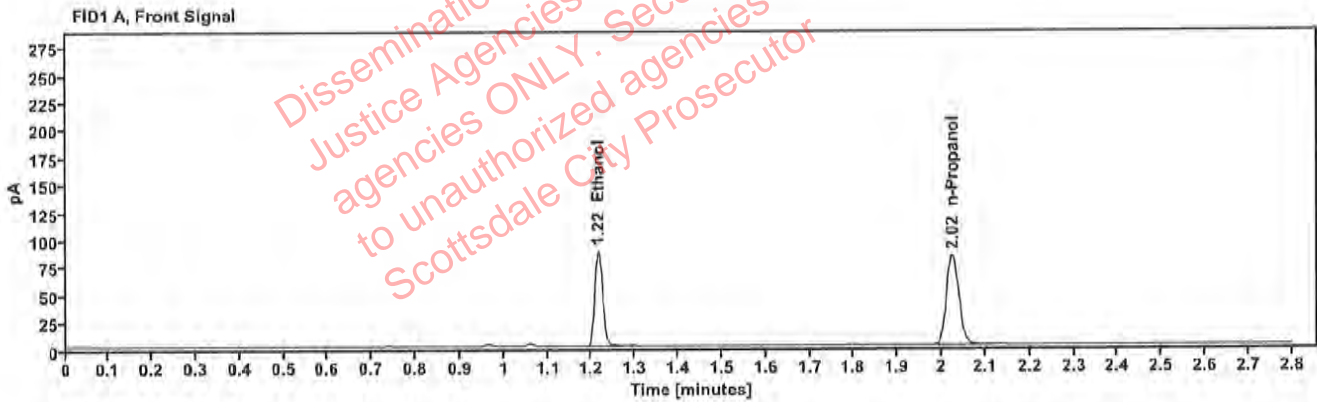


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1768	1.215	110.409
n-Propanol	-----	2.025	162.293

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

Compound	Time (min)	Peak Area
Ethanol	1.358	117.829
n-Propanol	2.435	172.732

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313058-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:51:40 PM
Data file:	C:\Chem32\1\Data\05Jul23\25.D	Analyst:	Canonico

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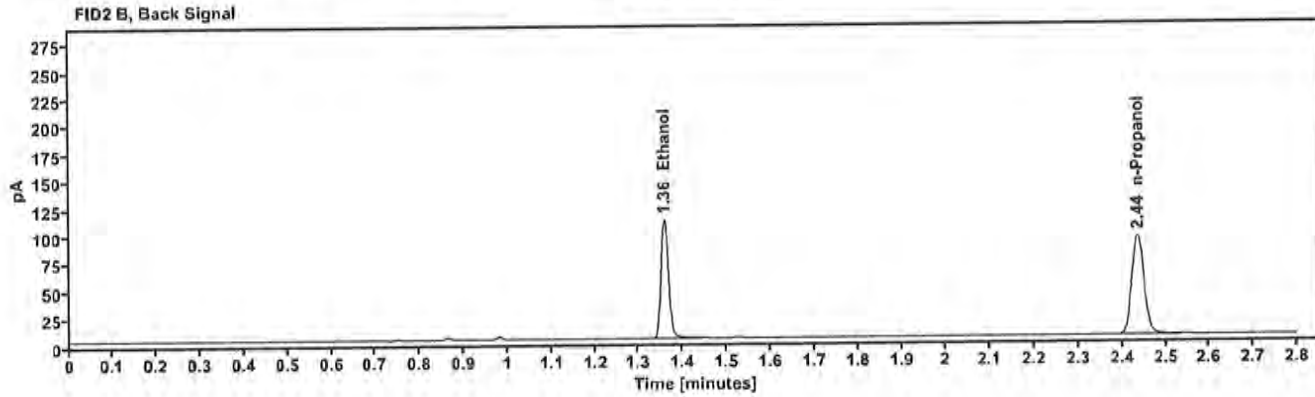
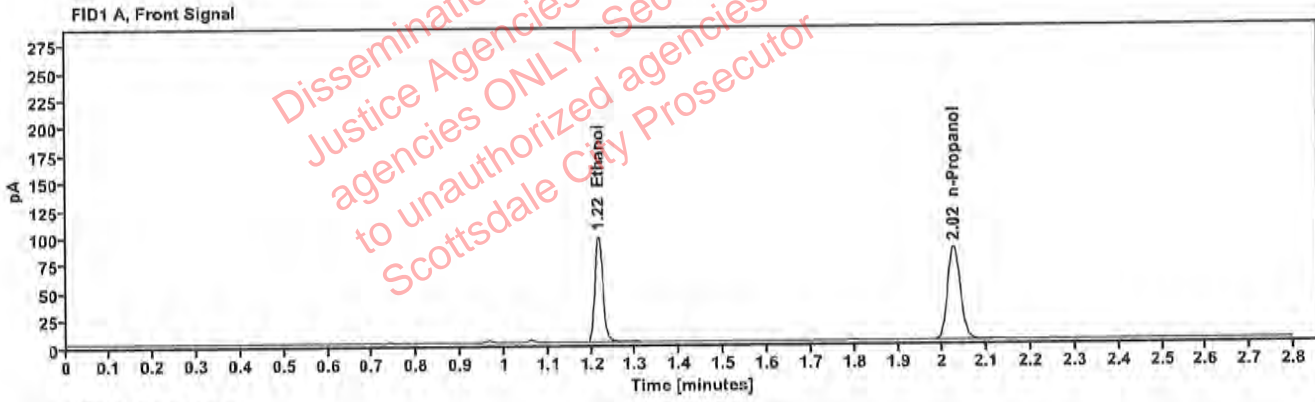


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1897	1.216	122.930
n-Propanol	---	2.025	168.383

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

Compound	Time (min)	Peak Area
Ethanol	1.358	131.193
n-Propanol	2.436	179.374

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313058-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:55:41 PM
Data file:	C:\Chem32\1\Data\05Jul23\26.D	Analyst:	Canonico

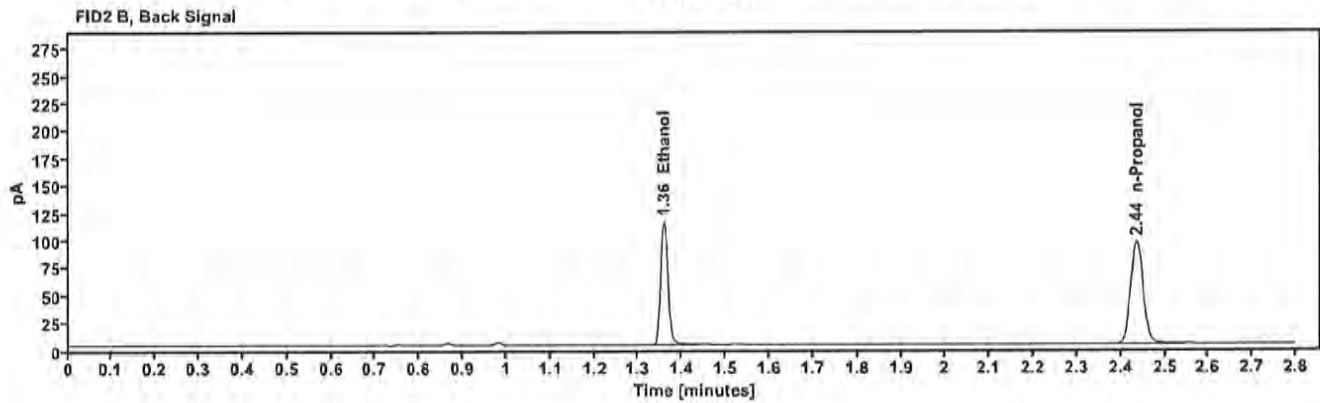
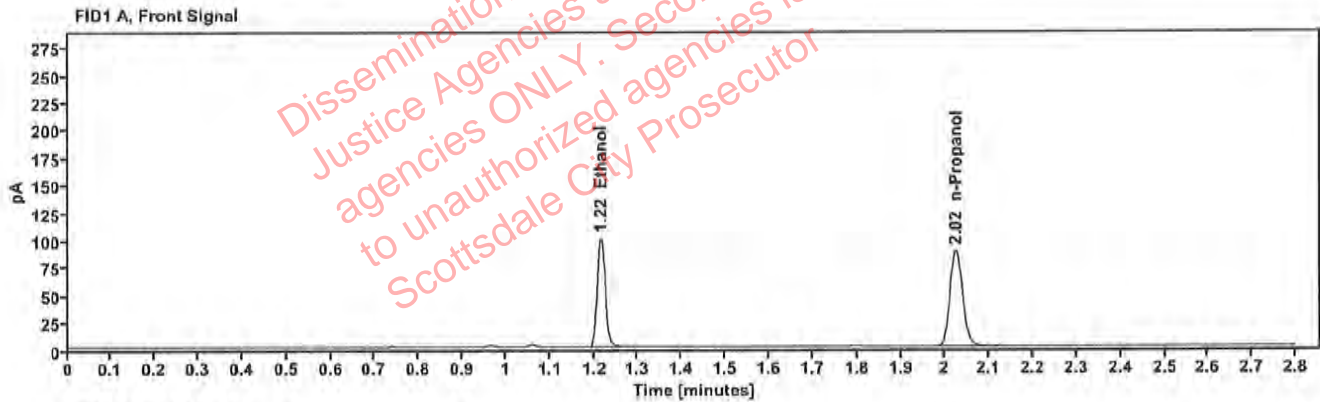


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1899	1.216	127.132
n-Propanol	---	2.025	173.901

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

Compound	Time (min)	Peak Area
Ethanol	1.358	135.790
n-Propanol	2.436	185.159

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312709-1	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 2:59:40 PM
Data file:	C:\Chem32\1\Data\05Jul23\27.D	Analyst:	Canonico

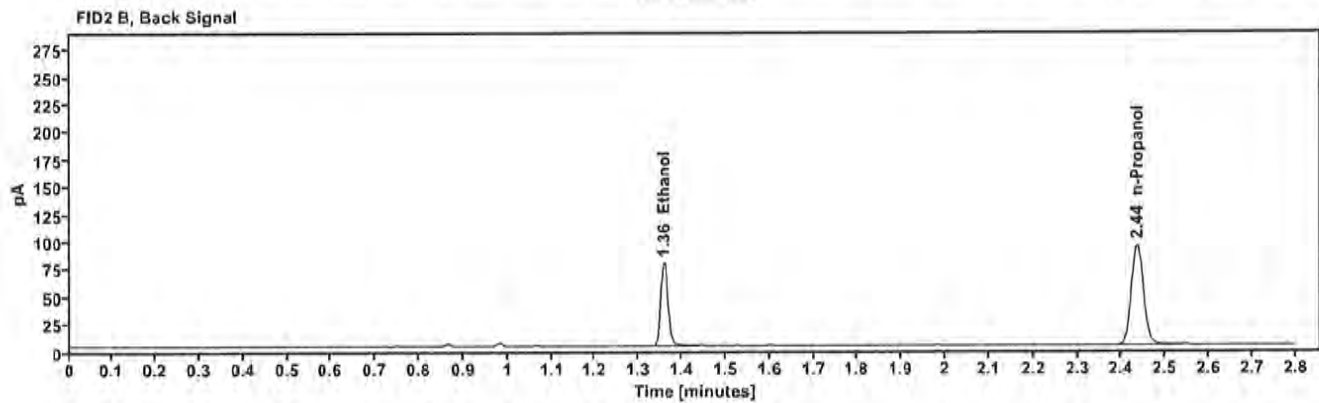
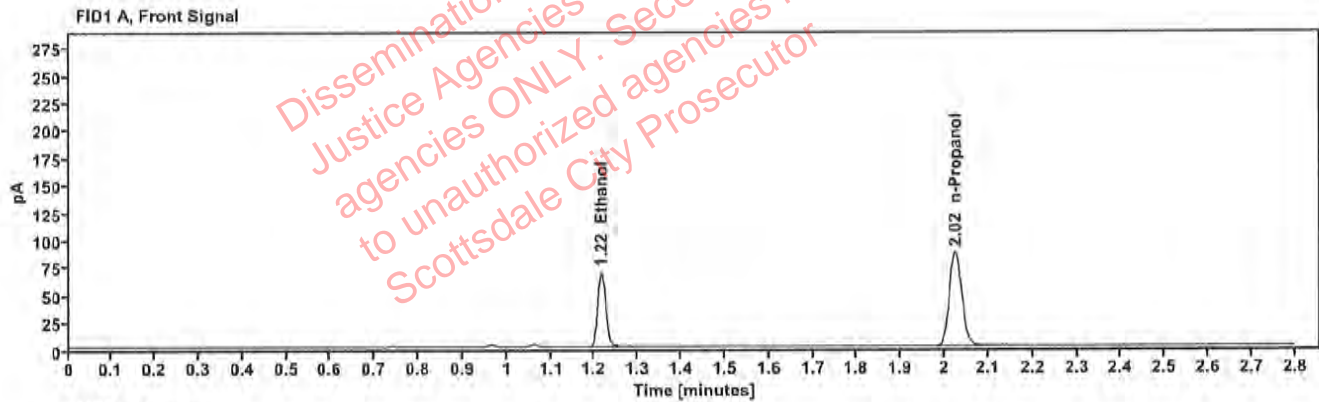


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1327	1.216	86.672
n-Propanol	-----	2.025	170.052

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

Compound	Time (min)	Peak Area
Ethanol	1.358	92.607
n-Propanol	2.435	181.263

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2312709-1	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:03:41 PM
Data file:	C:\Chem32\1\Data\05Jul23\28.D	Analyst:	Canonico

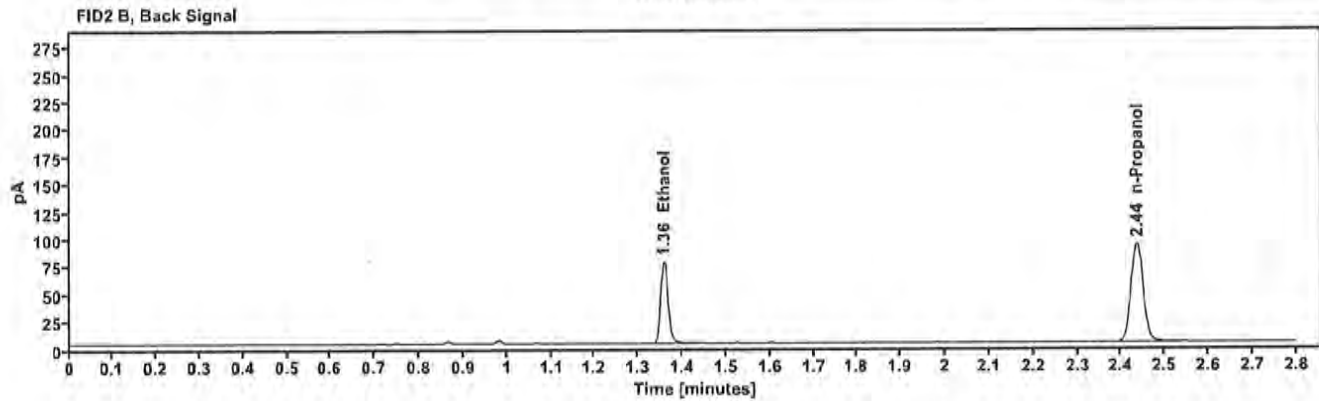
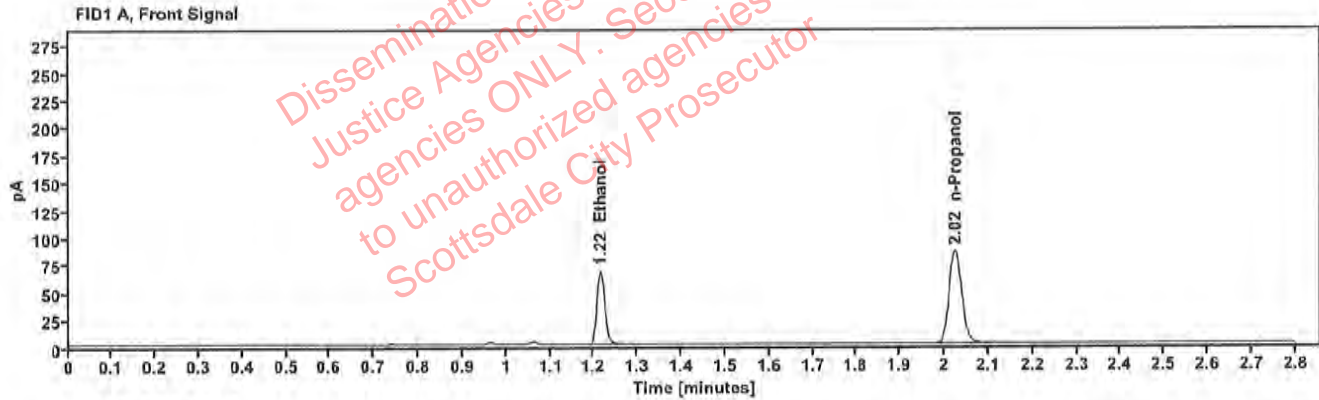


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1320	1.216	85.257
n-Propanol	—	2.025	168.106

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

Compound	Time (min)	Peak Area
Ethanol	1.358	90.915
n-Propanol	2.435	179.090

Case: [REDACTED]: Canonico, Erika - (06-Jul-2023)

User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313049-1	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:07:41 PM
Data file:	C:\Chem32\1\Data\05Jul23\29.D	Analyst:	Canonico

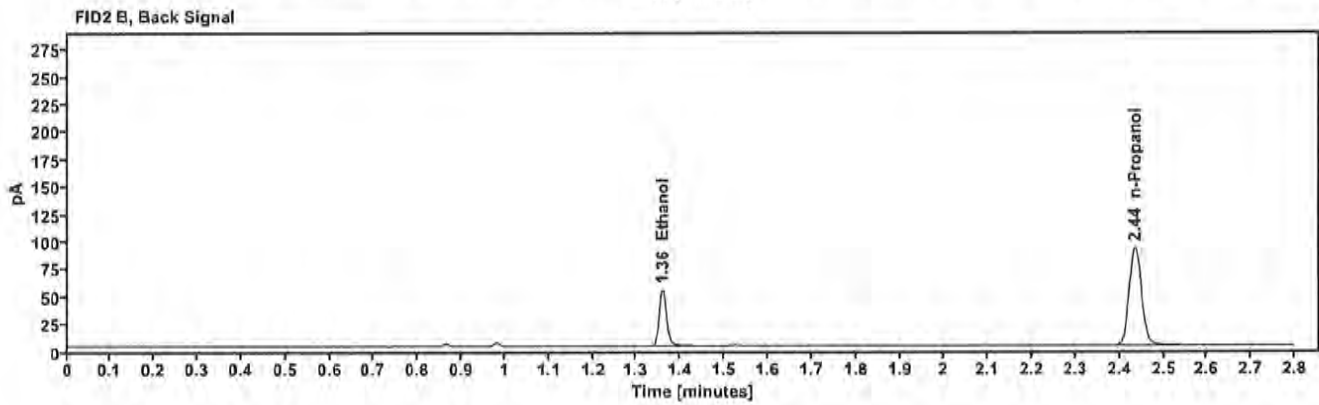
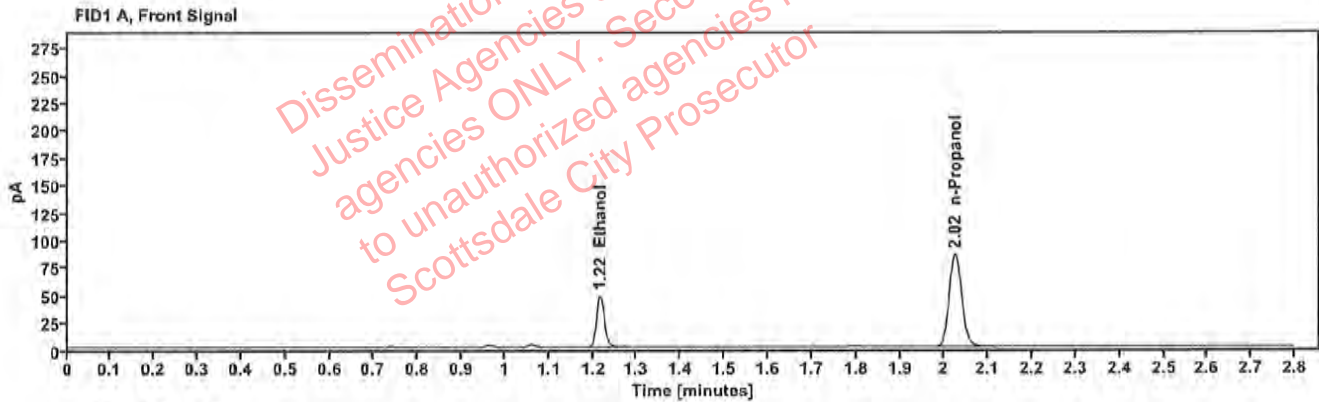


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0923	1.216	59.186
n-Propanol	---	2.025	167.338

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

Compound	Time (min)	Peak Area
Ethanol	1.358	63.079
n-Propanol	2.435	178.180

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313049-1	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:11:41 PM
Data file:	C:\Chem32\1\Data\05Jul23\30.D	Analyst:	Canonico

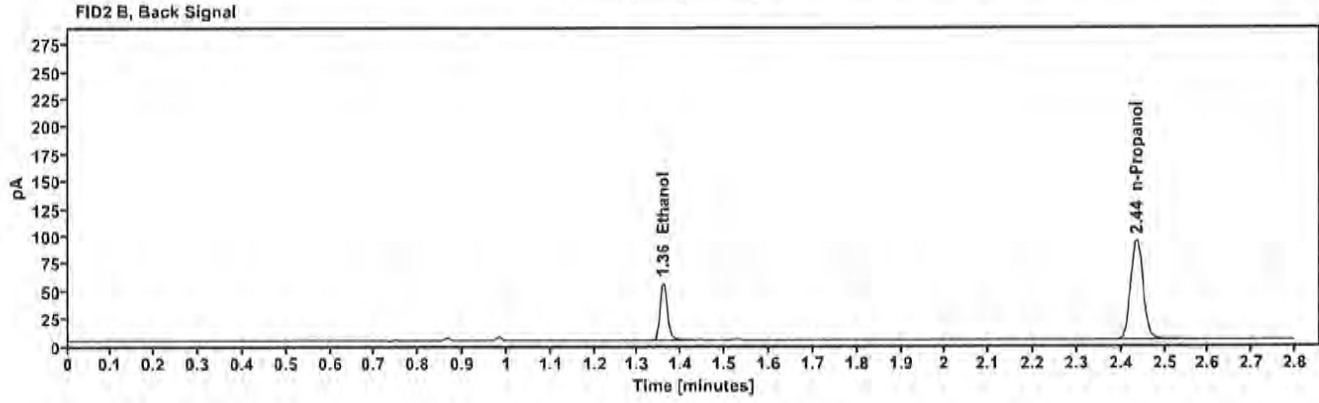
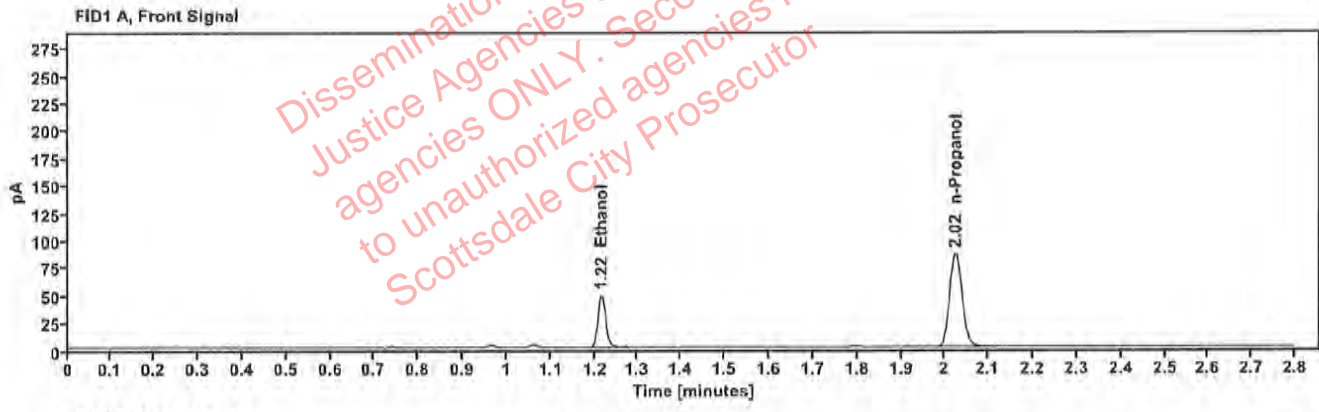


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0925	1.216	59.893
n-Propanol	---	2.024	169.132

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

Compound	Time (min)	Peak Area
Ethanol	1.358	63.694
n-Propanol	2.435	179.936

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313204-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:19:56 PM
Data file:	C:\Chem32\1\Data\05Jul23\32.D	Analyst:	Canonico

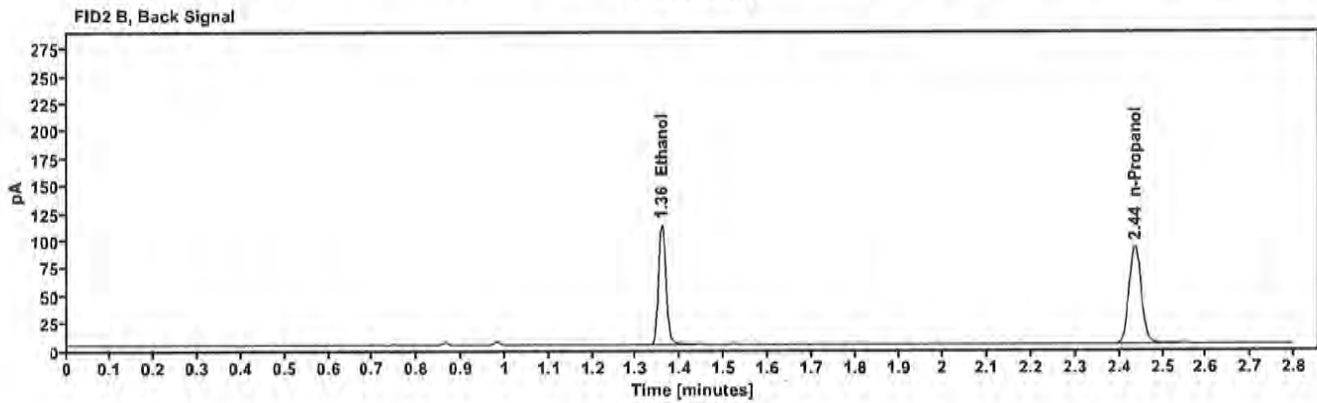
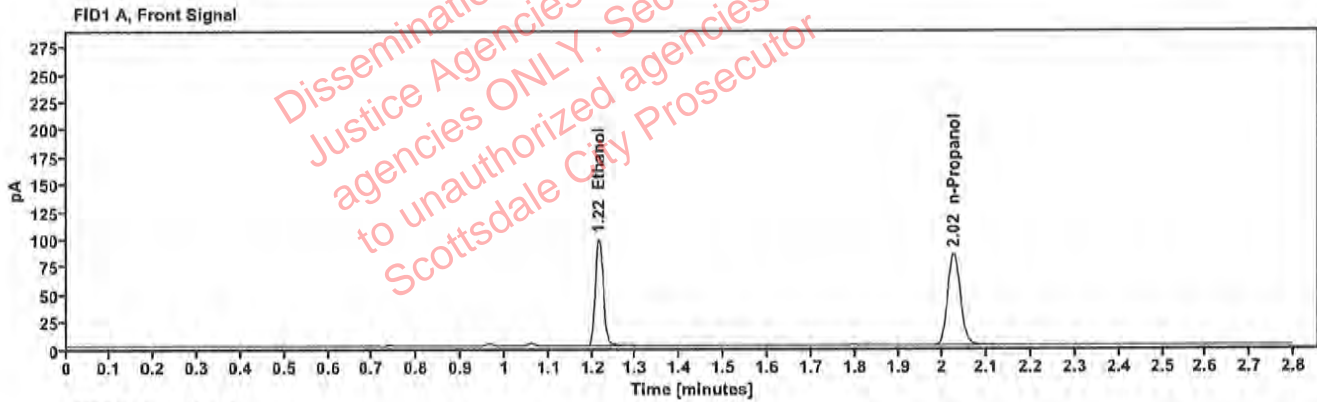


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1938	1.215	123.952
n-Propanol	-----	2.025	166.154

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

Compound	Time (min)	Peak Area
Ethanol	1.358	132.452
n-Propanol	2.435	176.735

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313204-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:23:56 PM
Data file:	C:\Chem32\1\Data\05Jul23\33.D	Analyst:	Canonico

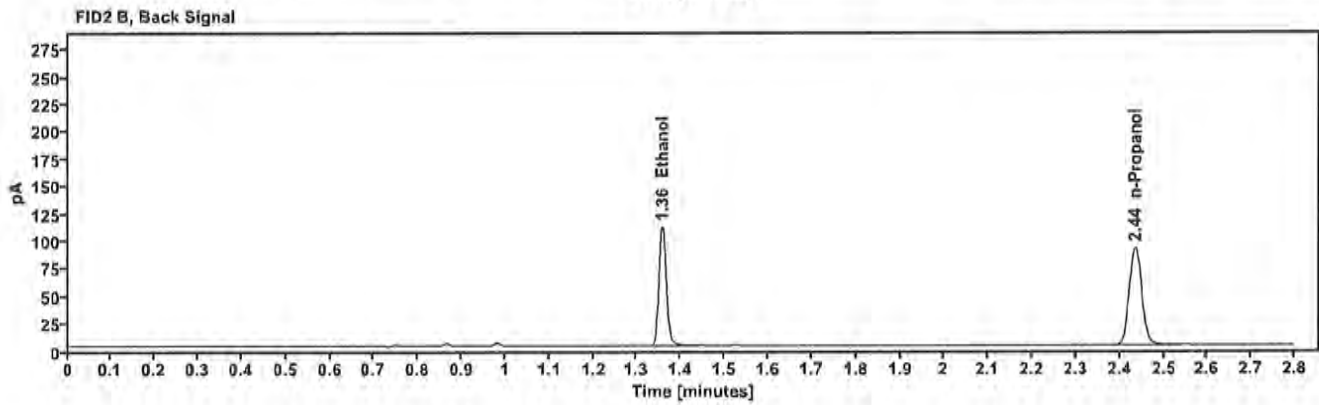
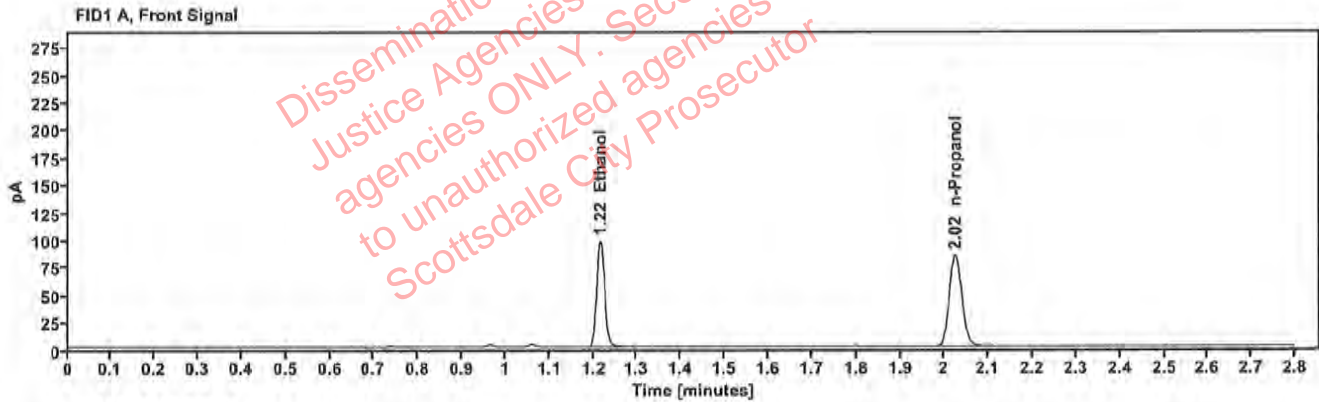


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1925	1.215	122.962
n-Propanol	—	2.025	165.915

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

Compound	Time (min)	Peak Area
Ethanol	1.358	131.422
n-Propanol	2.435	176.566

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313212-2	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:27:55 PM
Data file:	C:\Chem32\1\Data\05Jul23\34.D	Analyst:	Canonico

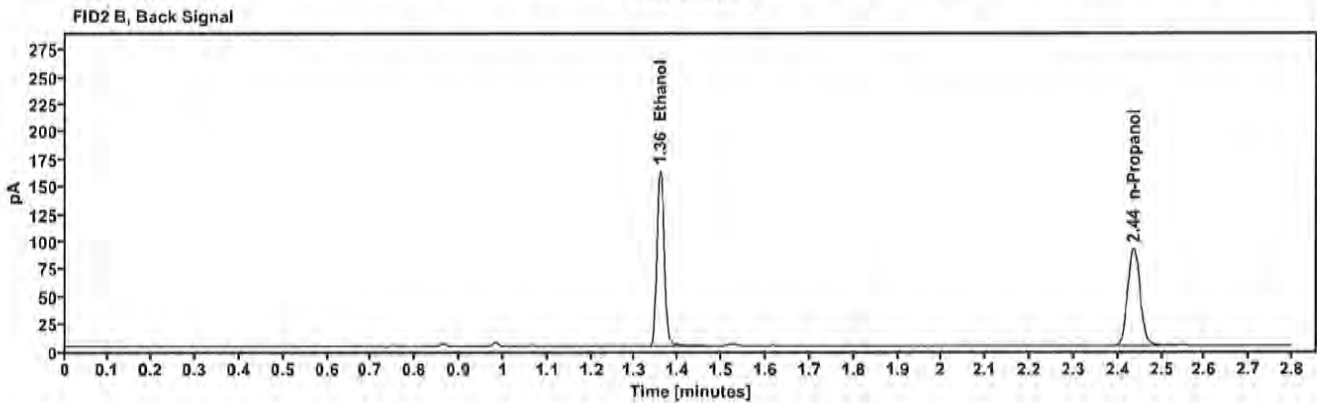
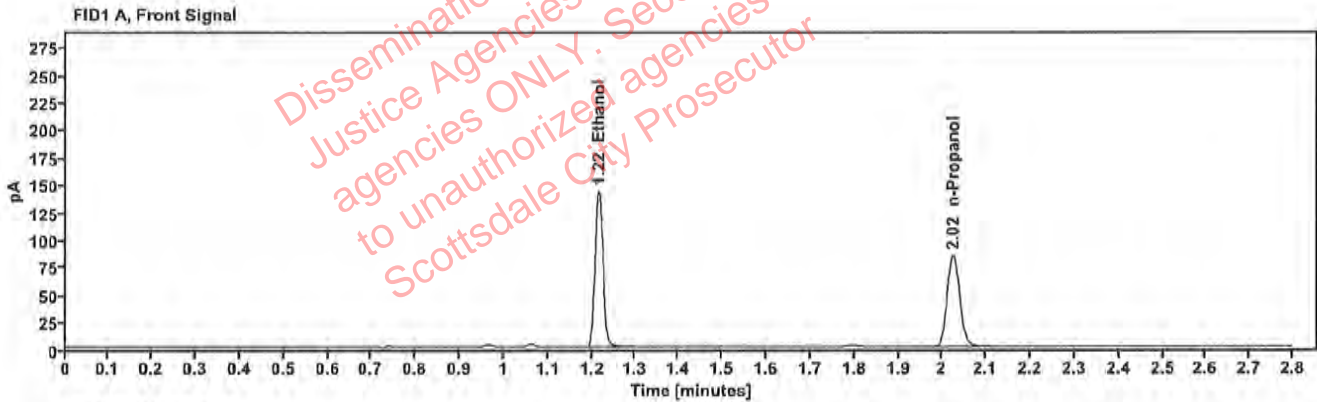


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2828	1.215	181.001
n-Propanol	---	2.025	166.021

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

Compound	Time (min)	Peak Area
Ethanol	1.358	194.127
n-Propanol	2.436	176.571

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313212-2	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:31:55 PM
Data file:	C:\Chem32\1\Data\05Jul23\35.D	Analyst:	Canonico

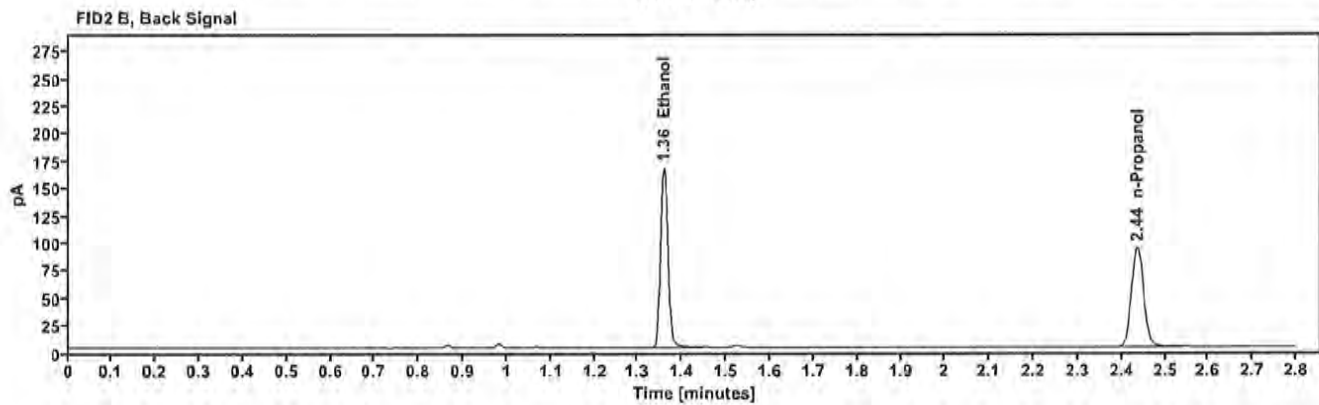
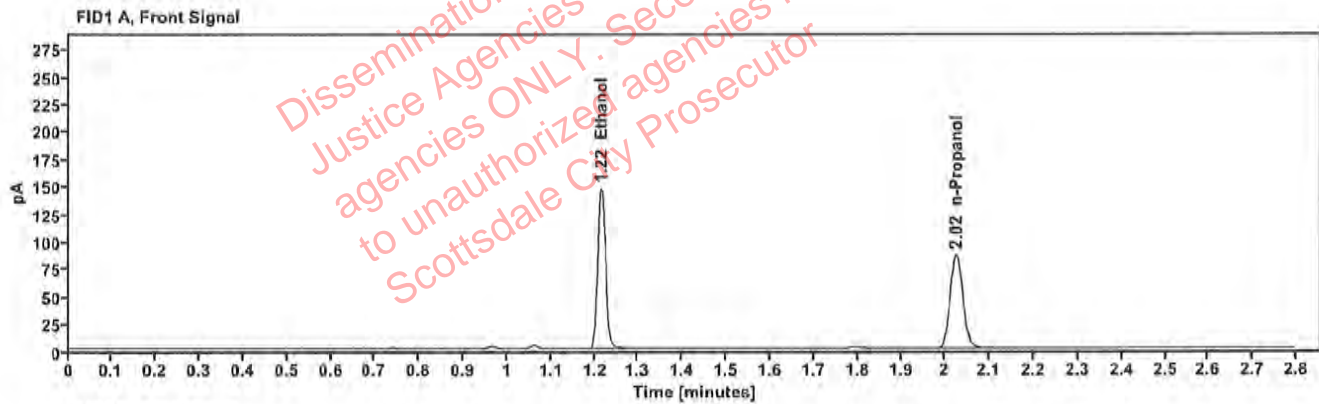


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2841	1.215	185.700
n-Propanol	-----	2.025	169.526

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

Compound	Time (min)	Peak Area
Ethanol	1.358	198.944
n-Propanol	2.436	180.301

[REDACTED] : Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313248-2	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:35:56 PM
Data file:	C:\Chem32\1\Data\05Jul23\36.D	Analyst:	Canonico

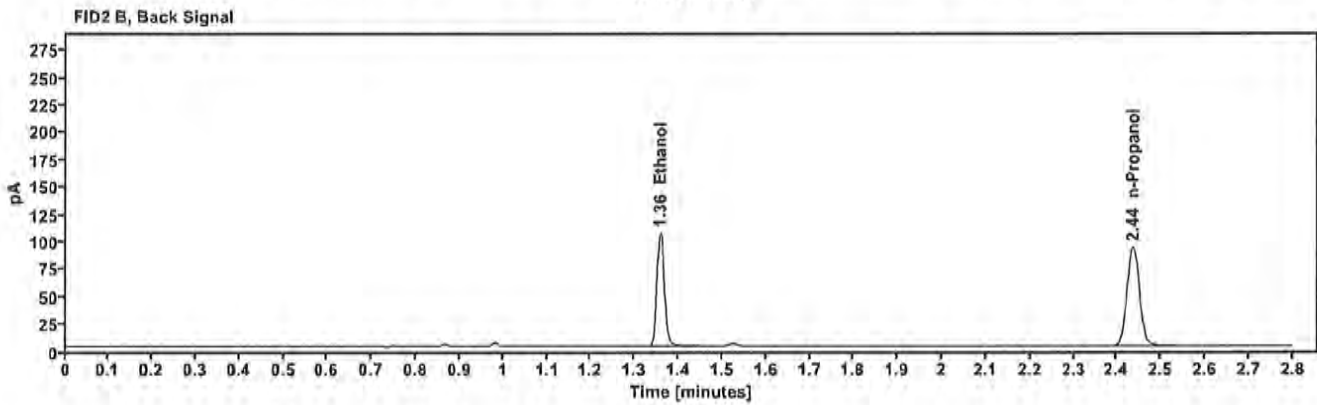
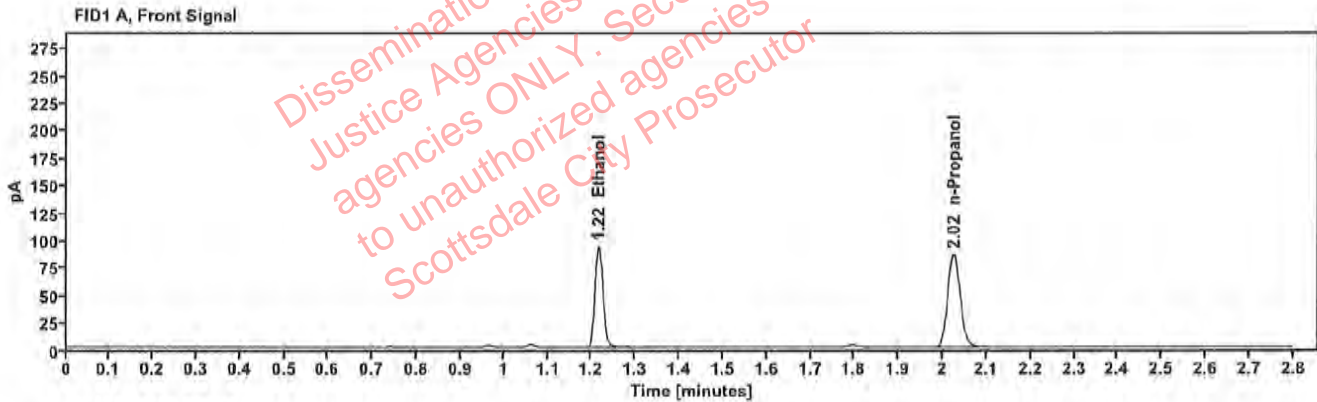


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1811	1.216	117.877
n-Propanol	—	2.025	169.090

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

Compound	Time (min)	Peak Area
Ethanol	1.358	125.727
n-Propanol	2.436	180.103

[REDACTED] : Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2313248-2	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:40:11 PM
Data file:	C:\Chem32\1\Data\05Jul23\37.D	Analyst:	Canonico

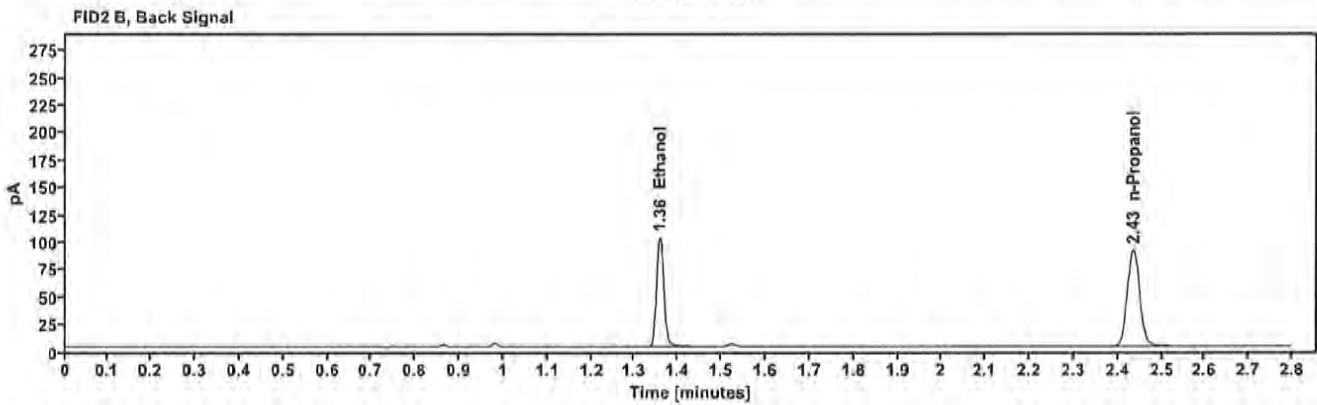
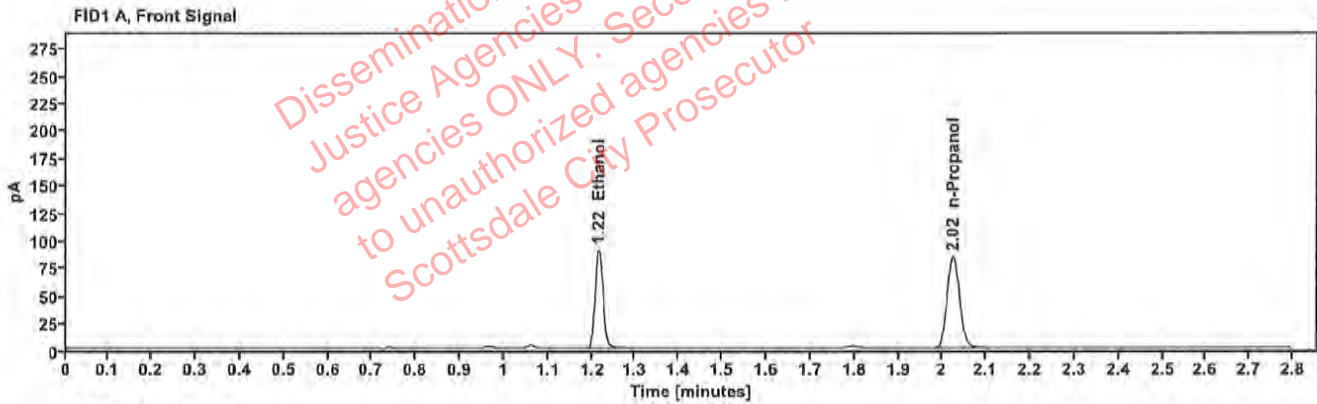


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1791	1.215	113.567
n-Propanol	---	2.024	164.812

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

Compound	Time (min)	Peak Area
Ethanol	1.357	121.195
n-Propanol	2.435	175.536

[REDACTED]: Canonico, Erika - (06-Jul-2023)

Case: [REDACTED] User: ecanonico 7/6/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2311772-3	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:44:11 PM
Data file:	C:\Chem32\1\Data\05Jul23\38.D	Analyst:	Canonico

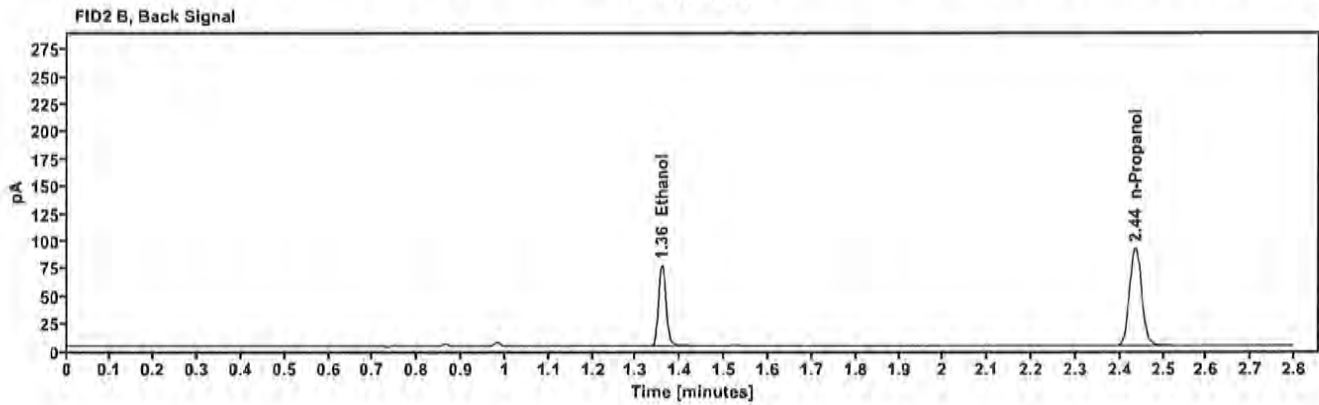
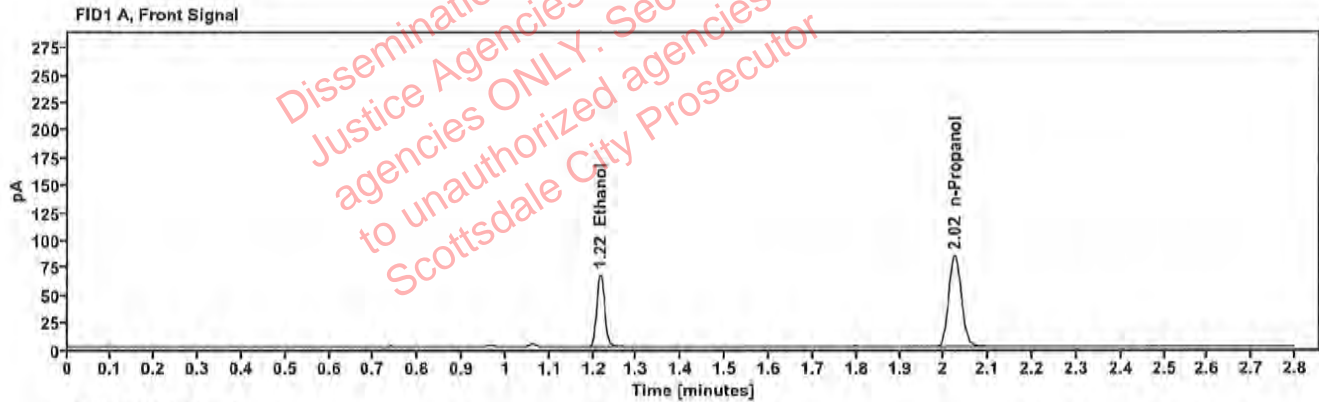


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1321	1.216	84.179
n-Propanol	-----	2.024	165.915

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

Compound	Time (min)	Peak Area
Ethanol	1.358	89.565
n-Propanol	2.435	176.429

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2311772-3	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Jul23
Instrument:	US14173023 CN14160045	Injection date:	7/5/2023 3:48:10 PM
Data file:	C:\Chem32\1\Data\05Jul23\39.D	Analyst:	Canonico

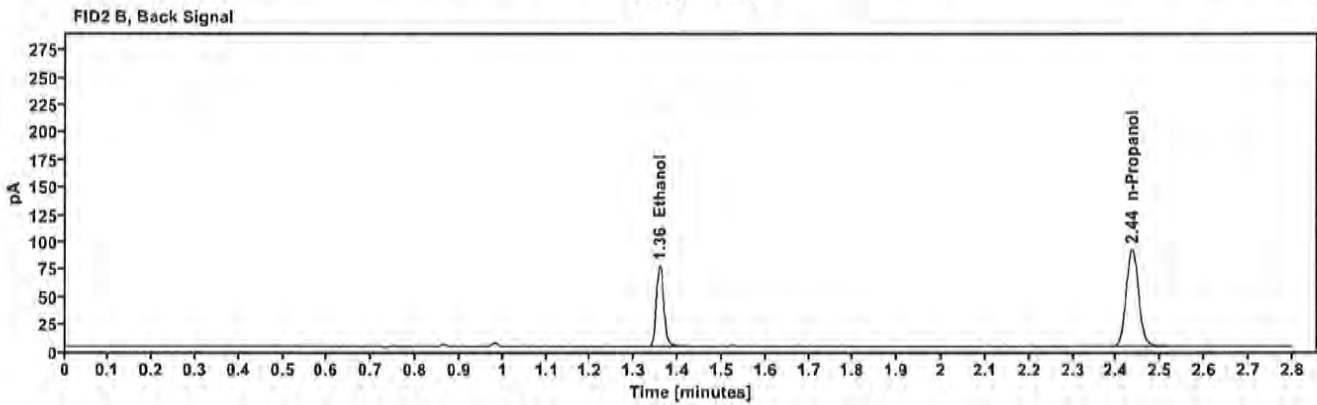
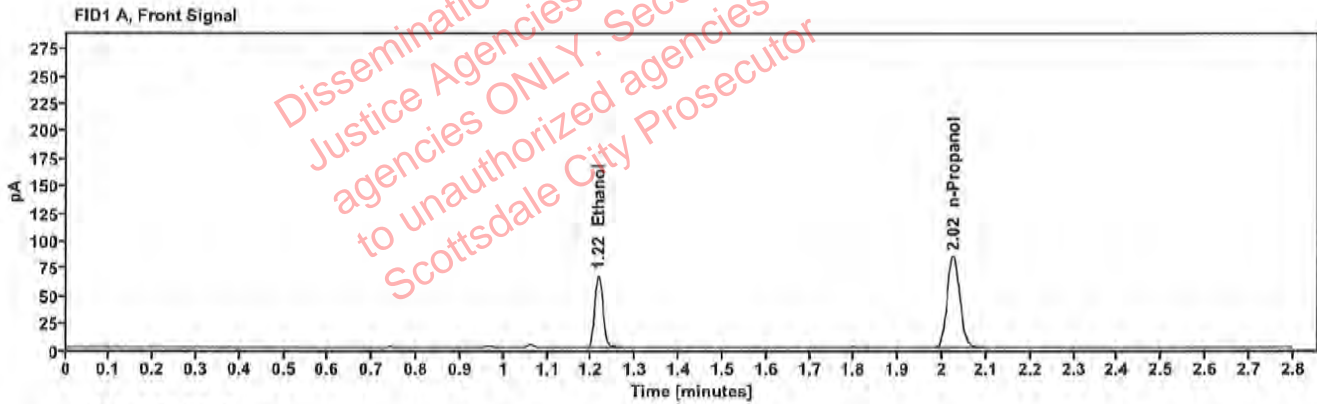


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1321	1.216	84.420
n-Propanol	---	2.024	166.308

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

Compound	Time (min)	Peak Area
Ethanol	1.358	89.876
n-Propanol	2.435	177.094