

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 04/19/2023 SEQUENCE NAME 19Apr23

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN10051909 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN05311902 0.99999
 Vial 3 0.20 calibrator Lot FN02052101
 Vial 4 0.40 calibrator Lot FN03052102

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 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	0.081 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/10
45	Blank	Not detected	Not detected	SPD lab 031623AQ

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

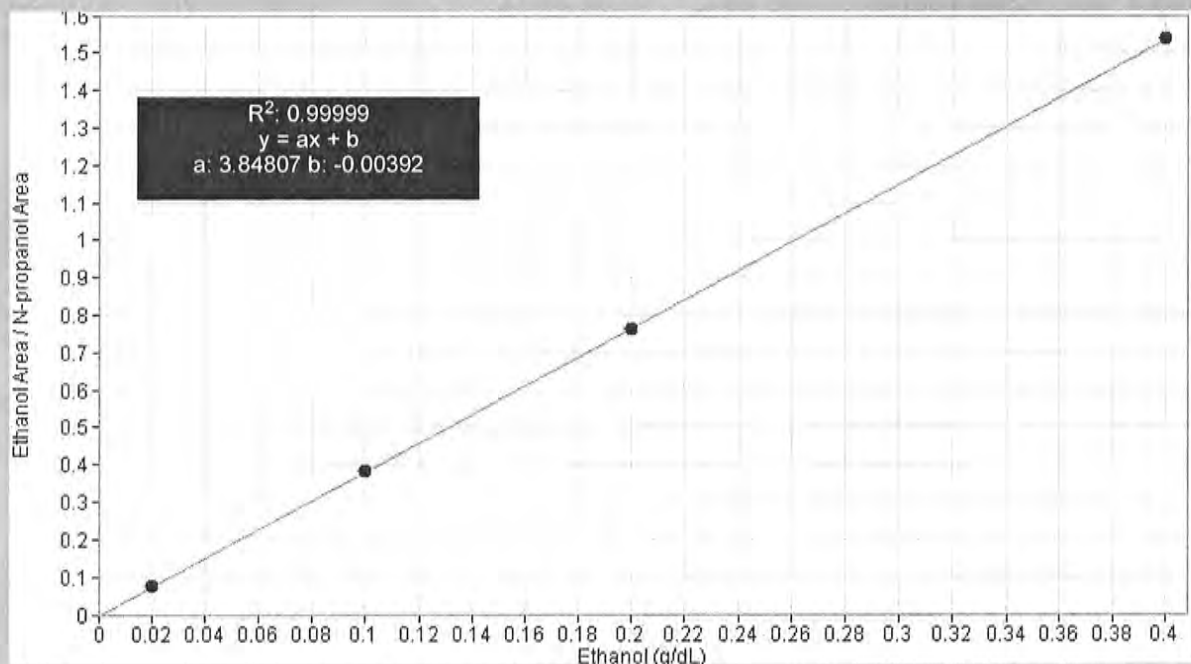
SEQUENCE NAME: 19Apr23

ANALYST: Canonico *ee*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.040	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	0.081	0.080	1.25	0.001
0.400 30012020-A	42	0.402	0.400	0.50	0.002
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.199 4110320133/10	44	0.204	0.199	2.51	0.005
blank 031623AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.617	155.716	0.075
0.100	59.644	156.680	0.381
0.200	118.788	155.676	0.763
0.400	243.319	158.348	1.537

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1
Description: 0.020 calibrator	Sequence: 19Apr23
Method: ethanol quant.M	Injection date: 4/19/2023 10:29:05 AM
Instrument: US14173023 CN14160045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\19Apr23\1.D	

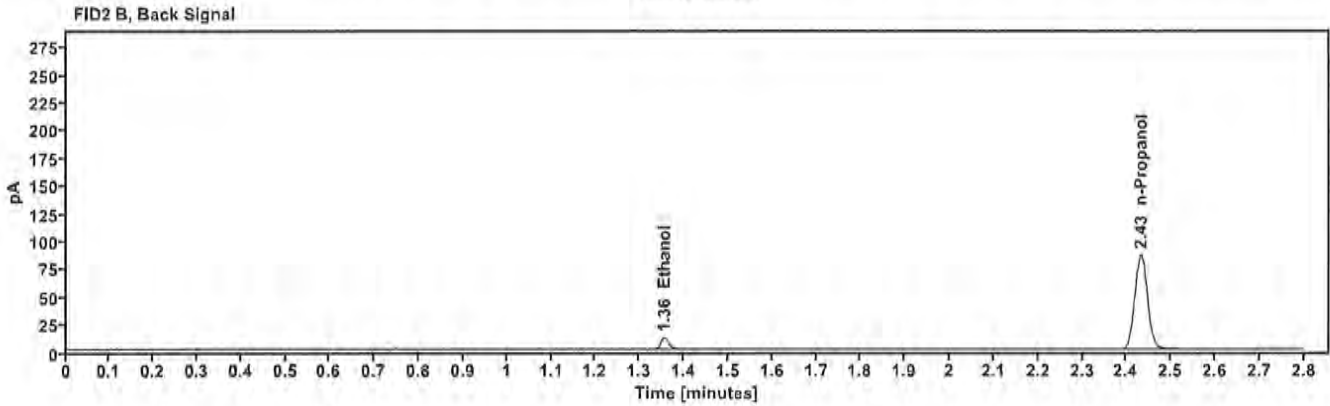
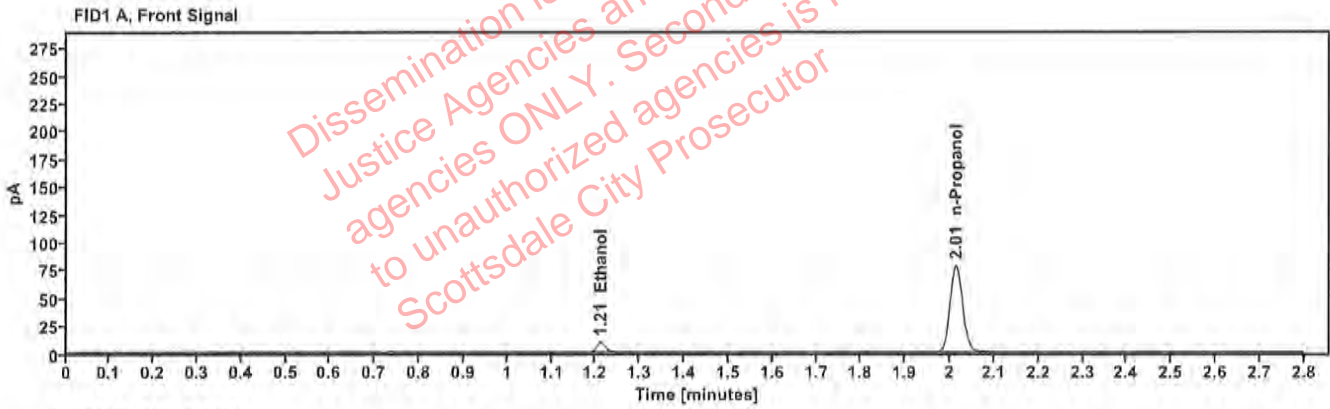


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	11.617
n-Propanol	2.013	155.716

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

Compound	Time (min)	Peak Area
Ethanol	1.355	12.505
n-Propanol	2.432	169.025

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	19Apr23
Method:	ethanol quant.M	Injection date:	4/19/2023 10:33:05 AM
Instrument:	US14173023 CN14160045	Analyst:	Canonico <i>ec</i>
Data file:	C:\Chem32\1\Data\19Apr23\2.D		

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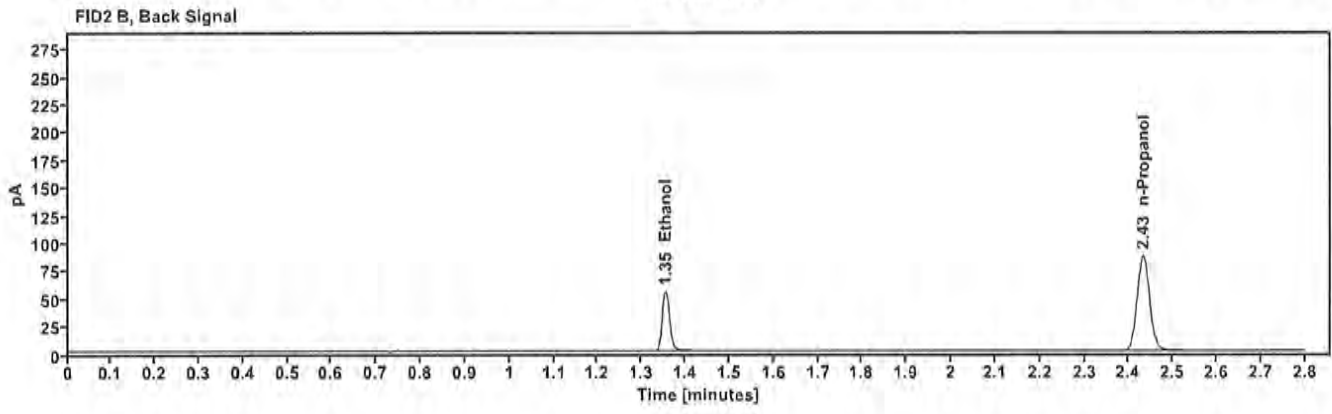
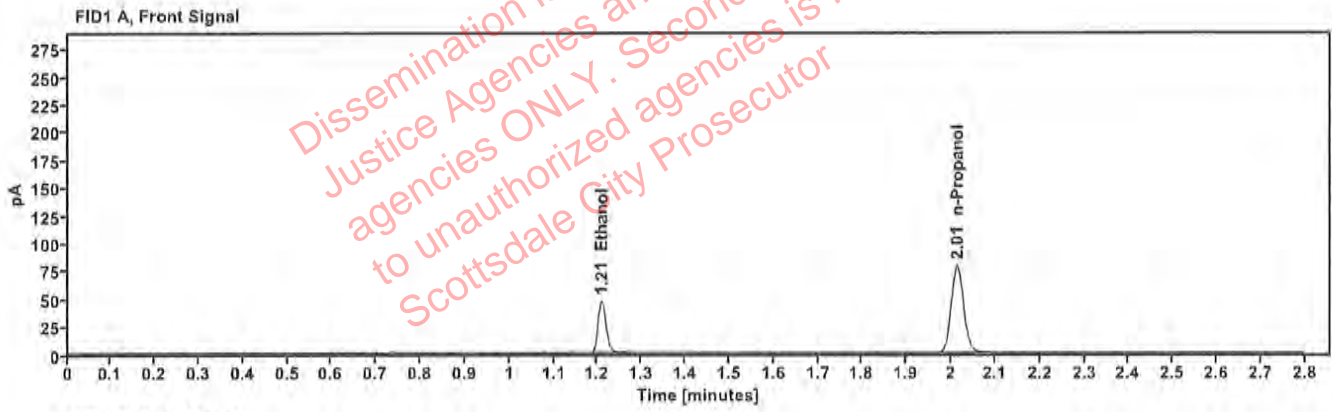


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	59,644
n-Propanol	2.013	156,680

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

Compound	Time (min)	Peak Area
Ethanol	1.354	64,856
n-Propanol	2.432	170,195

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02052101	Vial: 3
Description: 0.200 calibrator	Sequence: 19Apr23
Method: ethanol quant.M	Injection date: 4/19/2023 10:37:05 AM
Instrument: US14173023 CN14160045	Analyst: Canonico ec
Data file: C:\Chem32\1\Data\19Apr23\3.D	

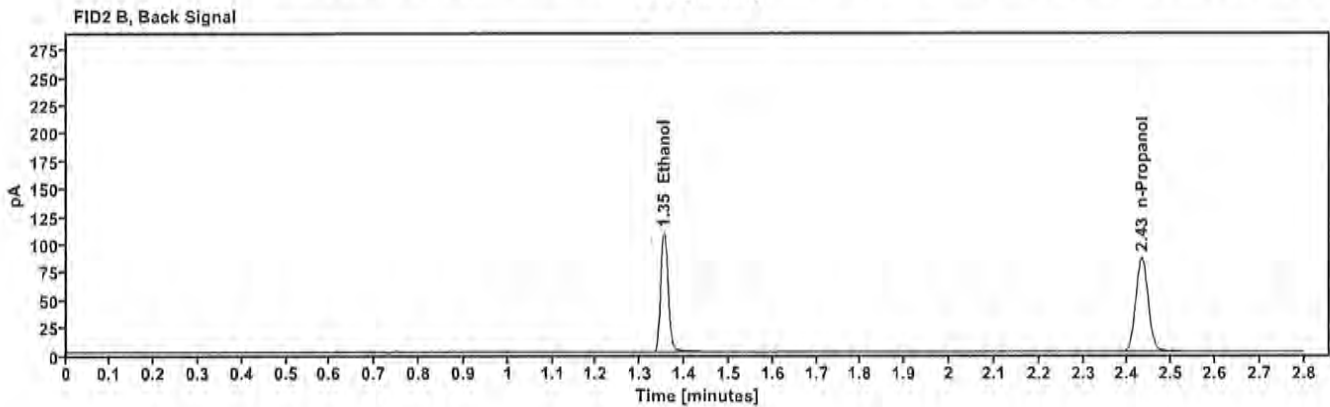
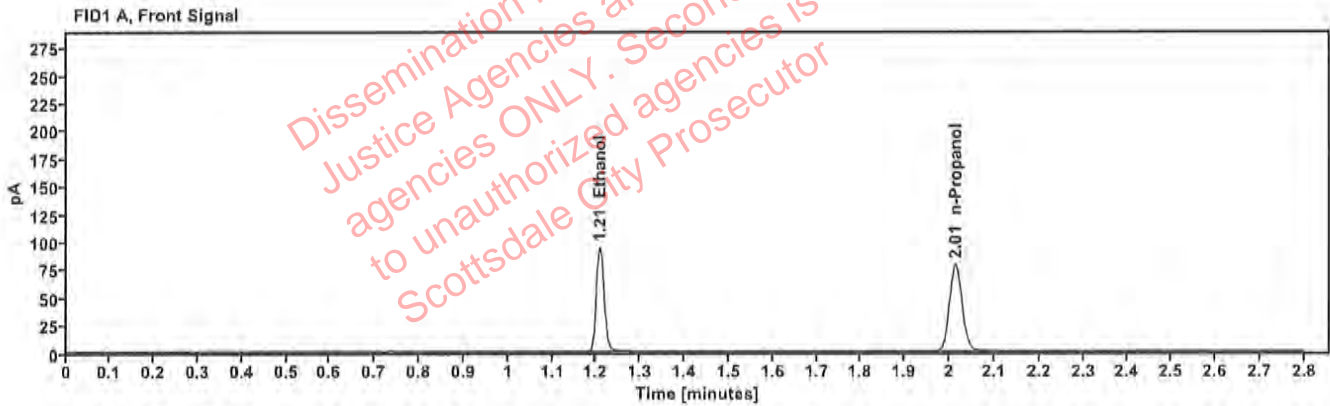


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	118.788
n-Propanol	2.013	155.676

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

Compound	Time (min)	Peak Area
Ethanol	1.353	129.793
n-Propanol	2.432	169.147

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	19Apr23
Method:	ethanol quant.M	Injection date:	4/19/2023 10:41:05 AM
Instrument:	US14173023 CN14160045	Analyst:	Canonico ec
Data file:	C:\Chem32\1\Data\19Apr23\4.D		

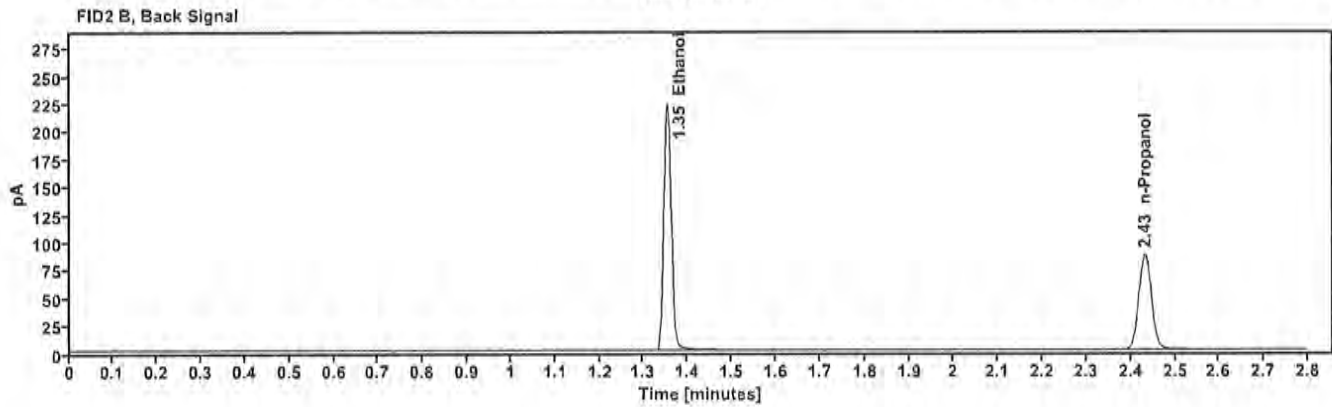
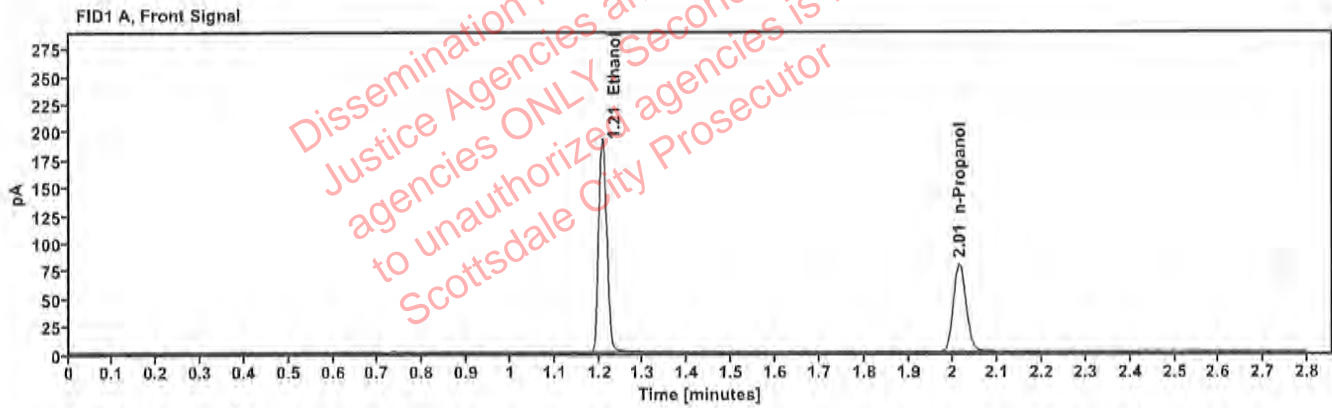


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	243.319
n-Propanol	2.013	158.348

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

Compound	Time (min)	Peak Area
Ethanol	1.353	266.902
n-Propanol	2.432	172.011

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	011823WB	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 10:45:05 AM
Data file:	C:\Chem32\1\Data\19Apr23\5.D	Analyst:	Canonico <i>ec</i>

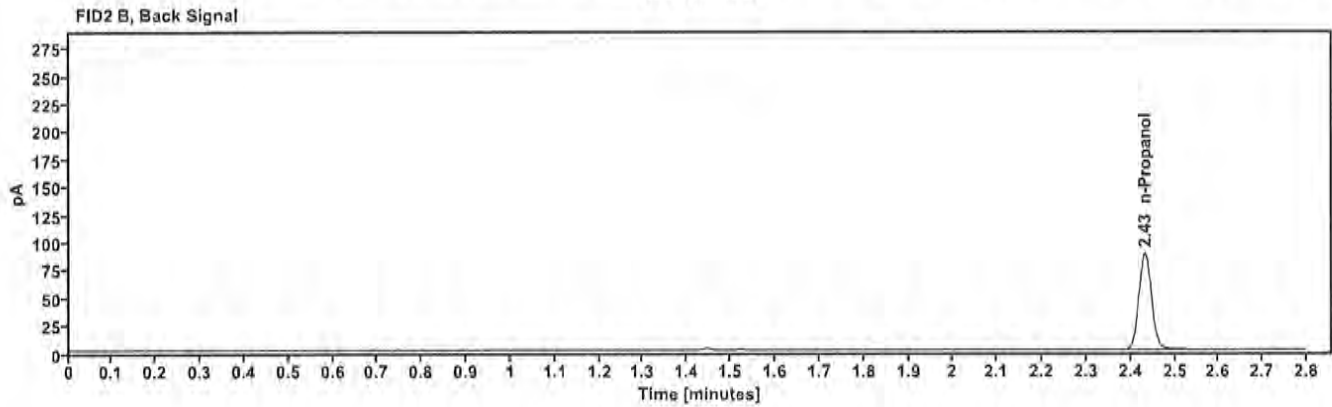
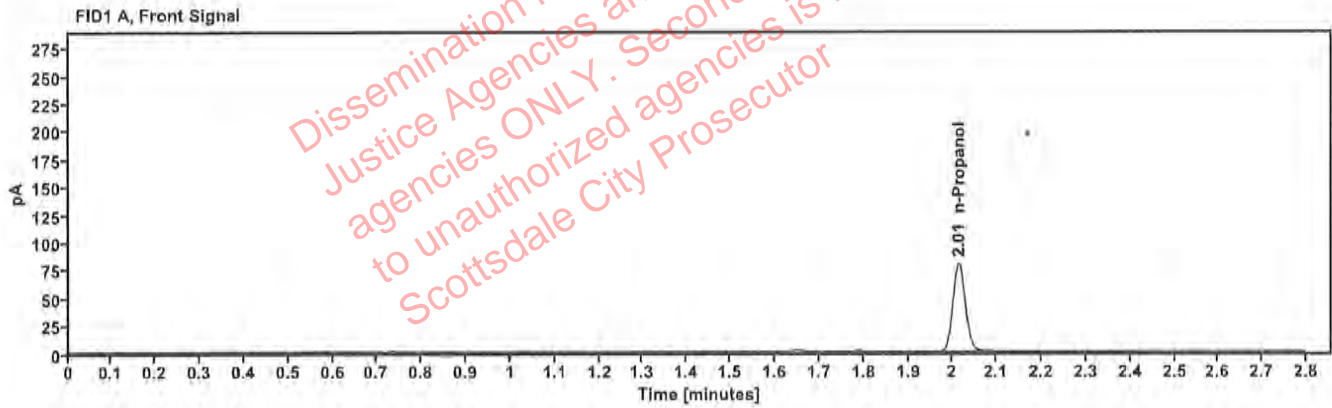


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.014	158.747

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	172.824

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 10:49:06 AM
Data file:	C:\Chem32\1\Data\19Apr23\6.D	Analyst:	Canonico EC

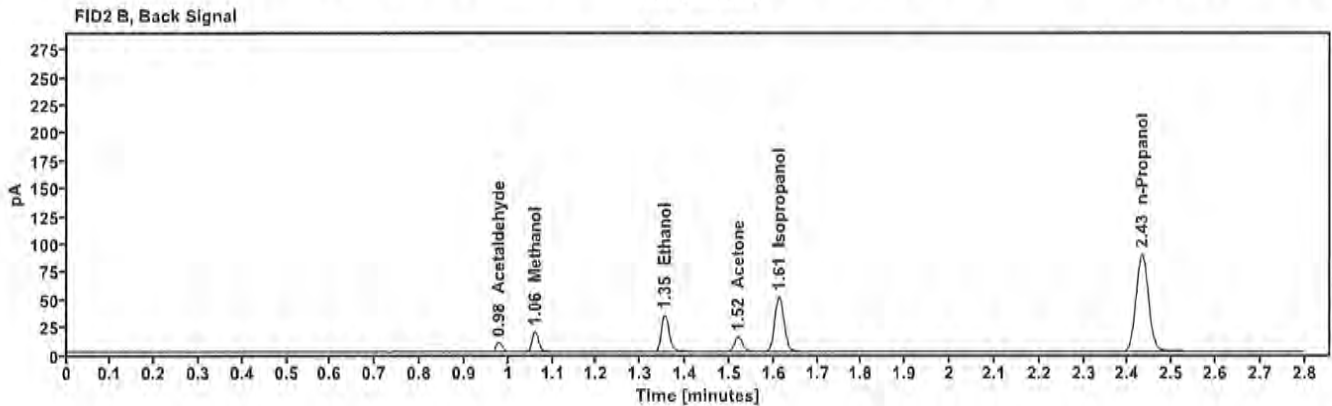
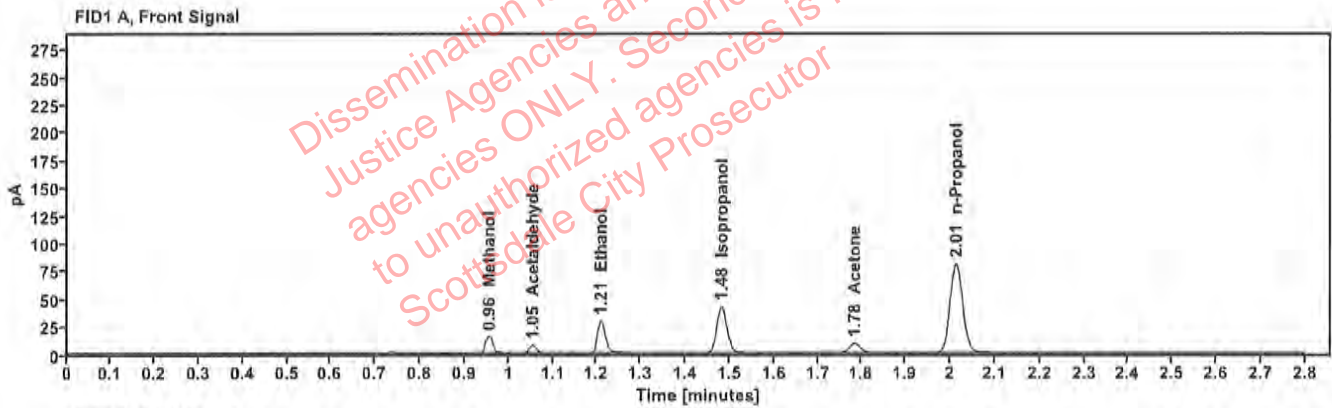


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	17.251
Acetaldehyde	-----	1.054	7.517
>Ethanol	0.0604	1.209	36.755
Isopropanol	-----	1.482	67.089
Acetone	-----	1.783	15.313
n-Propanol	-----	2.013	160.967

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	8.462
Methanol	1.060	19.061
Ethanol	1.354	40.012
Acetone	1.519	16.753
Isopropanol	1.612	74.054
n-Propanol	2.431	175.007

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 19Apr23
Instrument: US14173023 CN14160045	Injection date: 4/19/2023 10:53:20 AM
Data file: C:\Chem32\1\Data\19Apr23\7.D	Analyst: Canonico EC

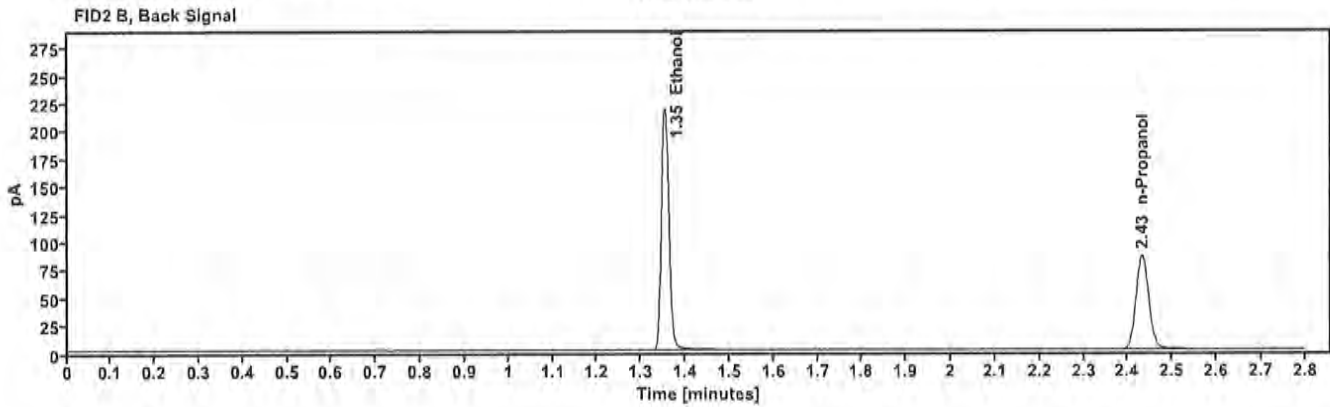
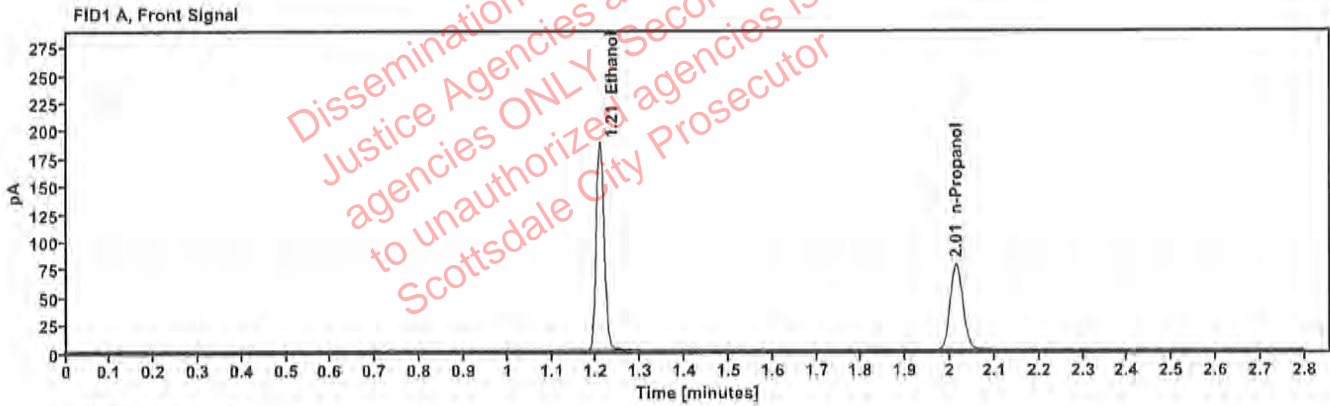


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4000	1.207	238.601
n-Propanol	---	2.013	155.425

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

Compound	Time (min)	Peak Area
Ethanol	1.353	261.655
n-Propanol	2.432	168.917

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 19Apr23
Instrument: US14173023 CN14160045	Injection date: 4/19/2023 10:57:21 AM
Data file: C:\Chem32\1\Data\19Apr23\8.D	Analyst: Canonico <i>ee</i>

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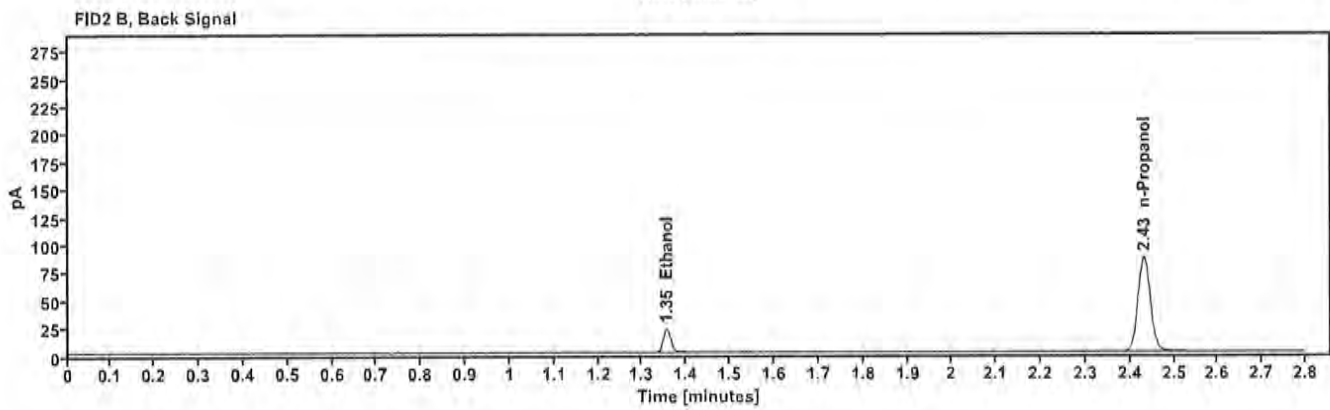
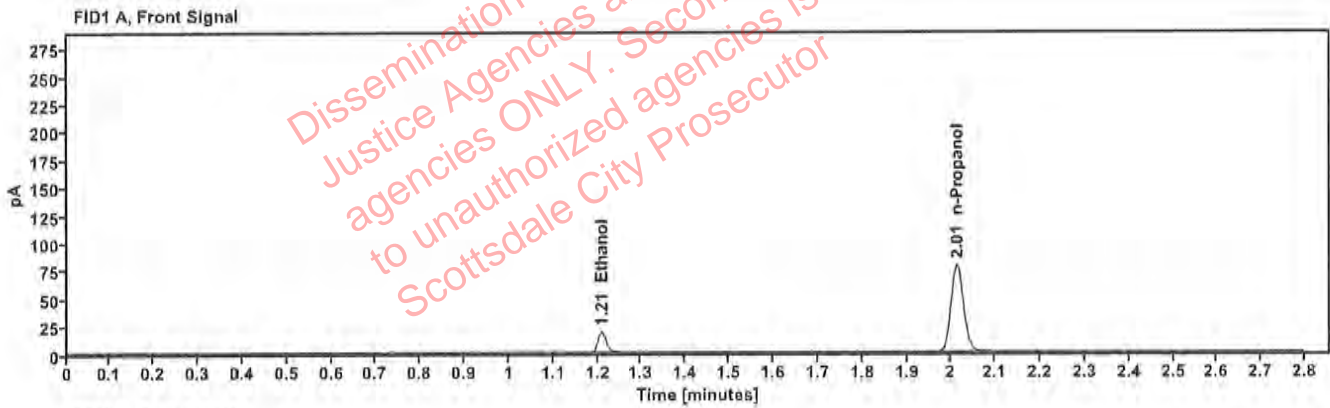


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.209	23.840
n-Propanol	-----	2.013	156.359

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

Compound	Time (min)	Peak Area
Ethanol	1.355	25.892
n-Propanol	2.432	169.851

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/10	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 19Apr23
Instrument: US14173023 CN14160045	Injection date: 4/19/2023 11:01:20 AM
Data file: C:\Chem32\1\Data\19Apr23\9.D	Analyst: Canonico EC

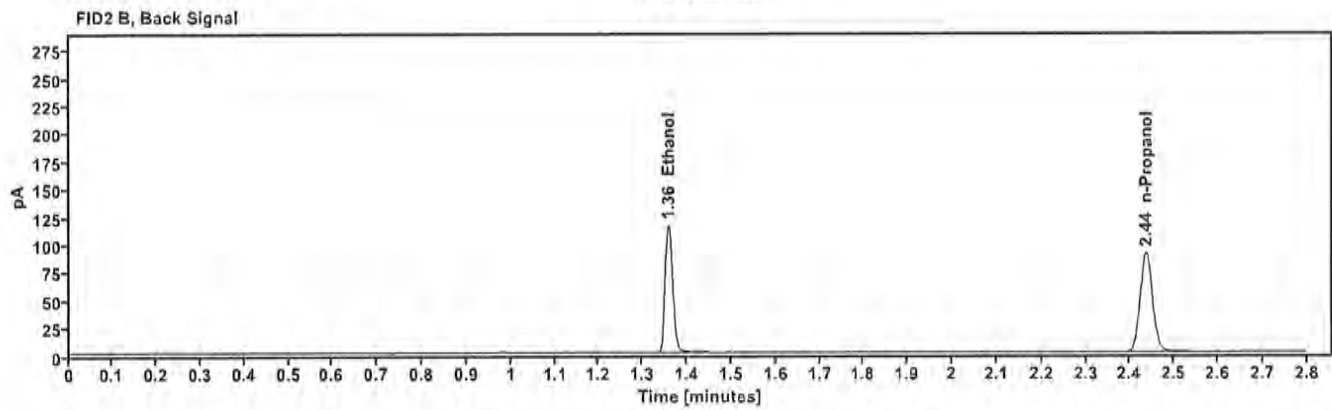
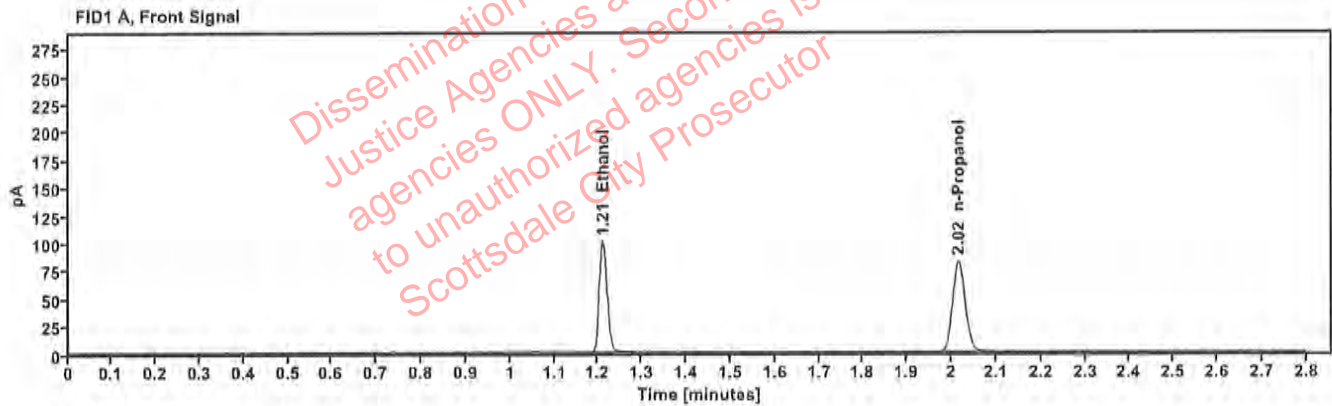


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2042	1.210	127.890
n-Propanol	—	2.016	163.576

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

Compound	Time (min)	Peak Area
Ethanol	1.358	139.647
n-Propanol	2.436	177.752

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 19Apr23
Instrument: US14173023 CN14160045	Injection date: 4/19/2023 11:45:50 AM
Data file: C:\Chem32\1\Data\19Apr23\20.D	Analyst: Canonico <i>EC</i>

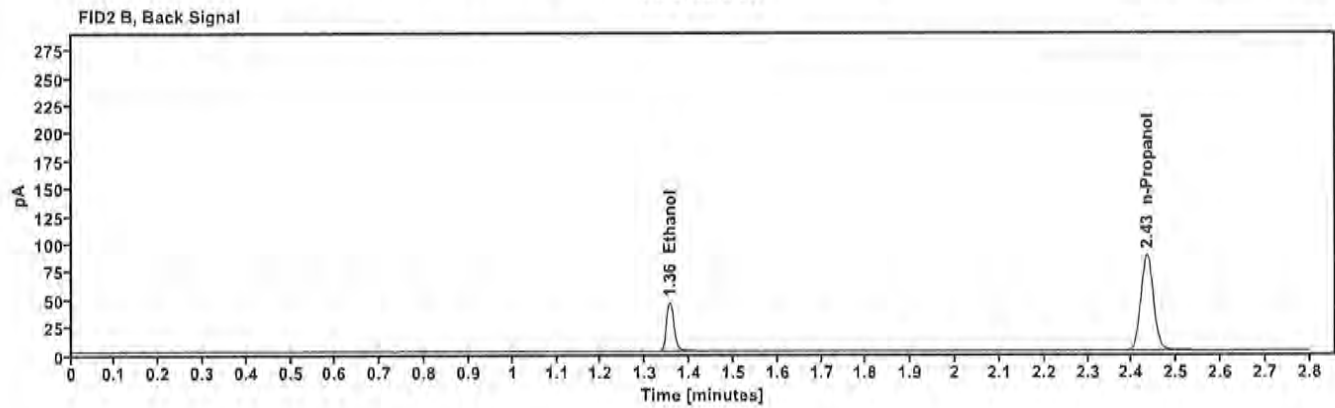
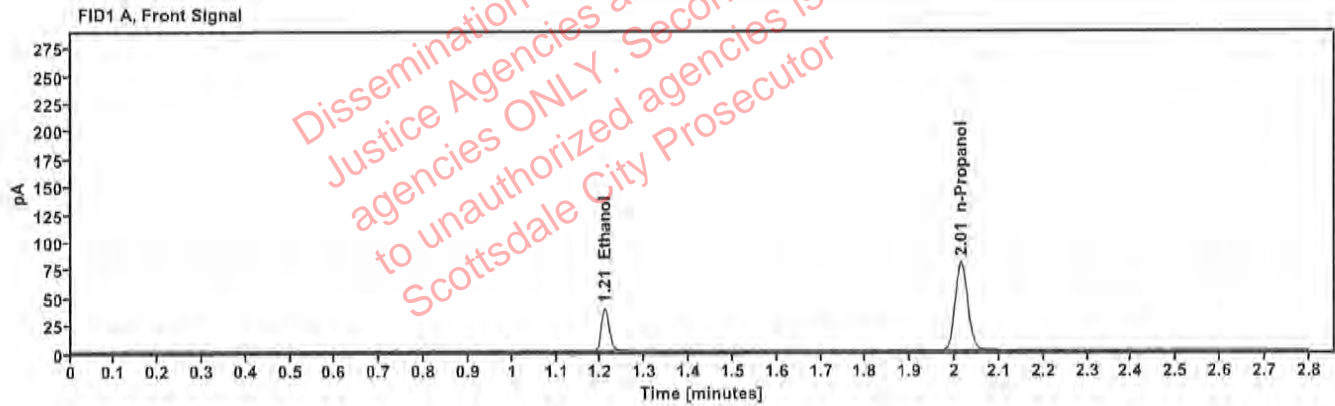


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.209	48.737
n-Propanol	---	2.014	158.890

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.140
n-Propanol	2.433	172.391

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:30:21 PM
Data file:	C:\Chem32\1\Data\19Apr23\31.D	Analyst:	Canonico <i>EC</i>

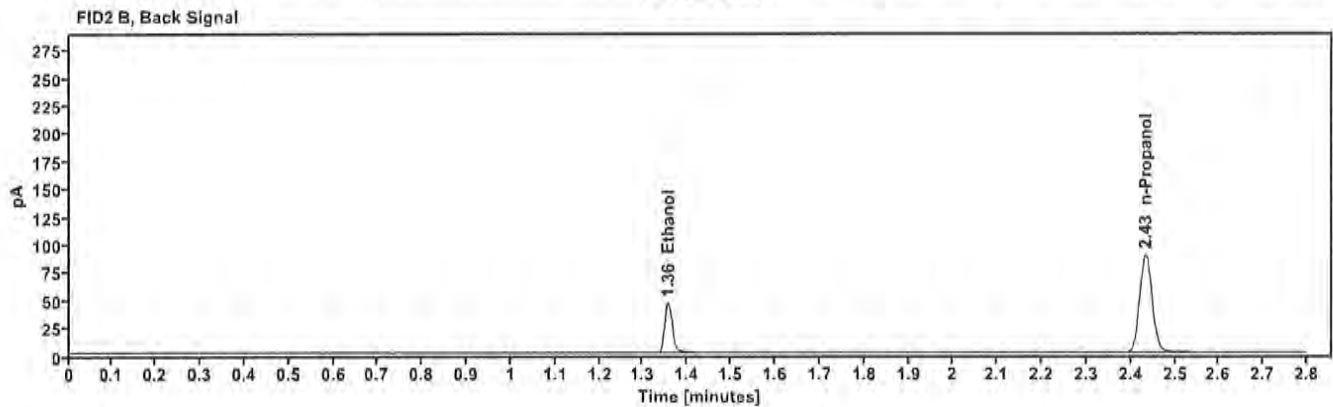
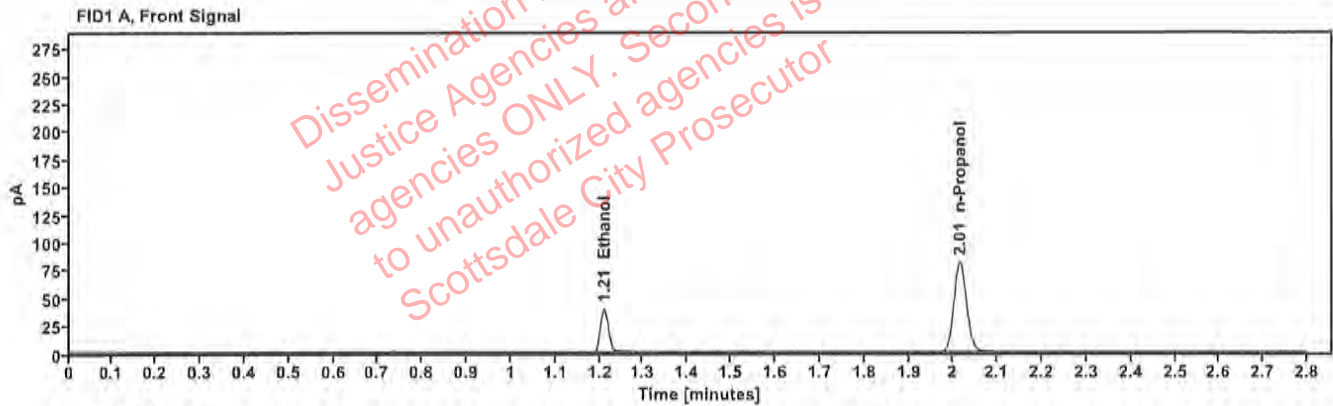


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0818	1.210	50.280
n-Propanol	----	2.015	161.699

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

Compound	Time (min)	Peak Area
Ethanol	1.356	54.676
n-Propanol	2.434	175.612

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 19Apr23
Instrument: US14173023 CN14160045	Injection date: 4/19/2023 1:14:36 PM
Data file: C:\Chem32\1\Data\19Apr23\42.D	Analyst: Canonico EC

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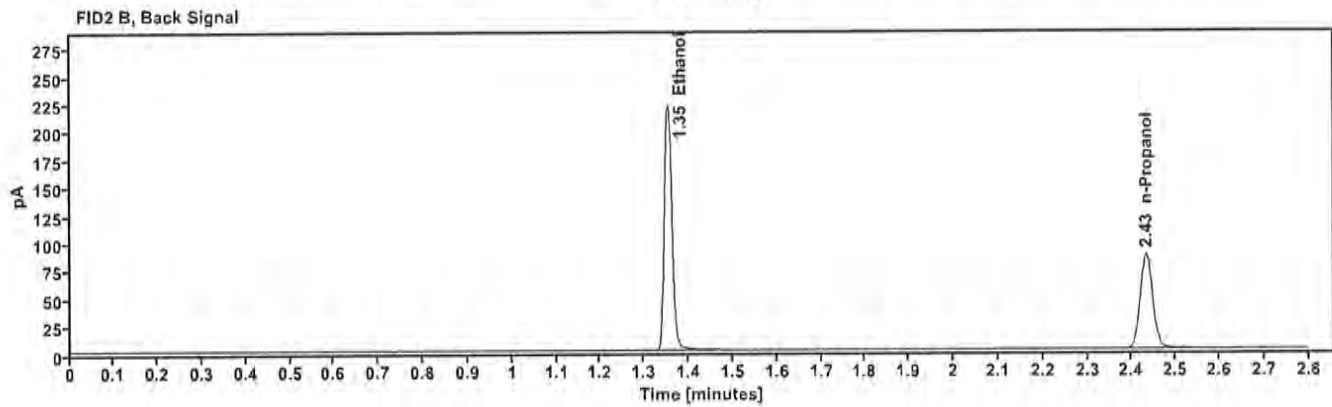
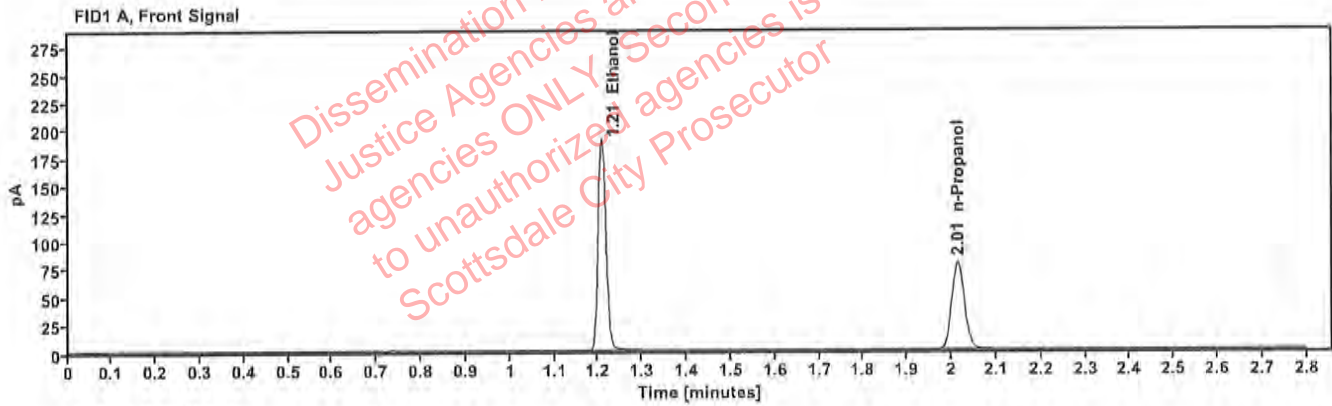


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4025	1.207	242.785
n-Propanol	---	2.014	157.157

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

Compound	Time (min)	Peak Area
Ethanol	1.354	266.571
n-Propanol	2.432	170.873

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 1:18:50 PM
Data file:	C:\Chem32\1\Data\19Apr23\43.D	Analyst:	Canonico <i>EC</i>

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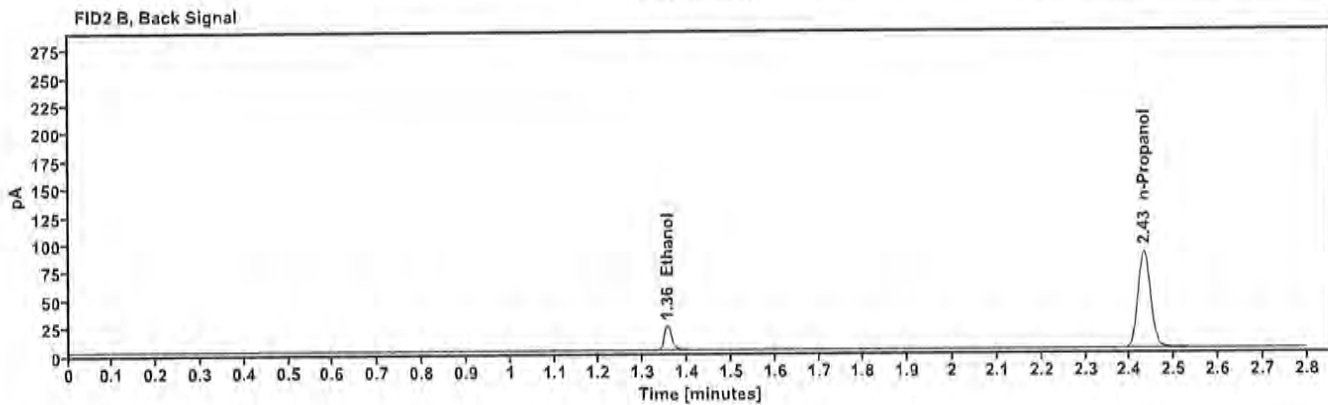
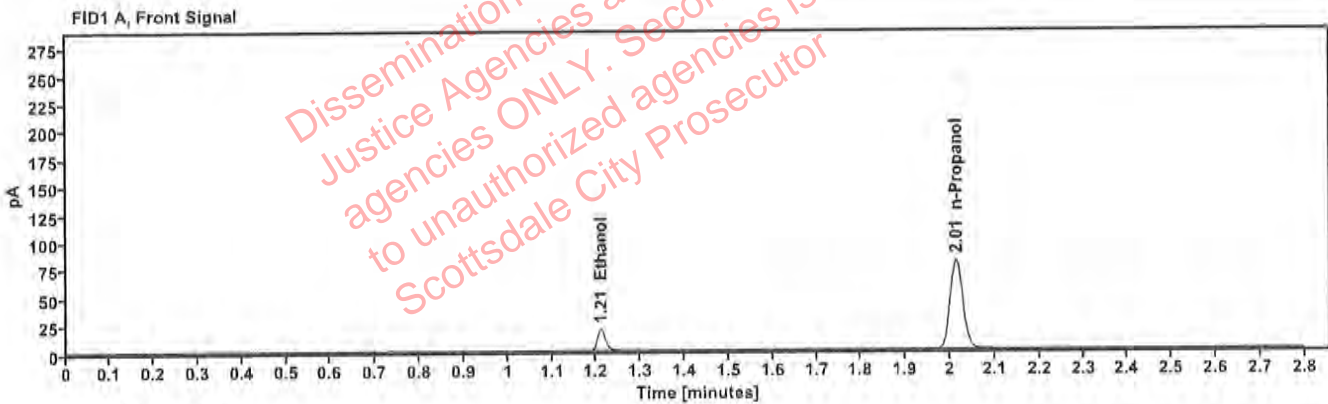


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.210	24.631
n-Propanol	---	2.013	160.610

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.843
n-Propanol	2.432	174.697

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/10	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 19Apr23
Instrument: US14173023 CN14160045	Injection date: 4/19/2023 1:22:50 PM
Data file: C:\Chem32\1\Data\19Apr23\44.D	Analyst: Canonico <i>EC</i>

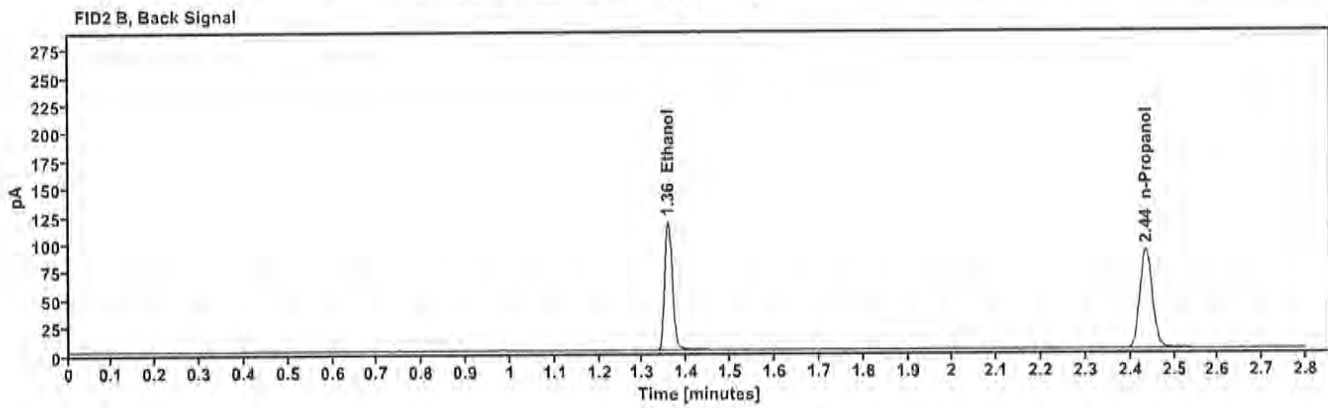
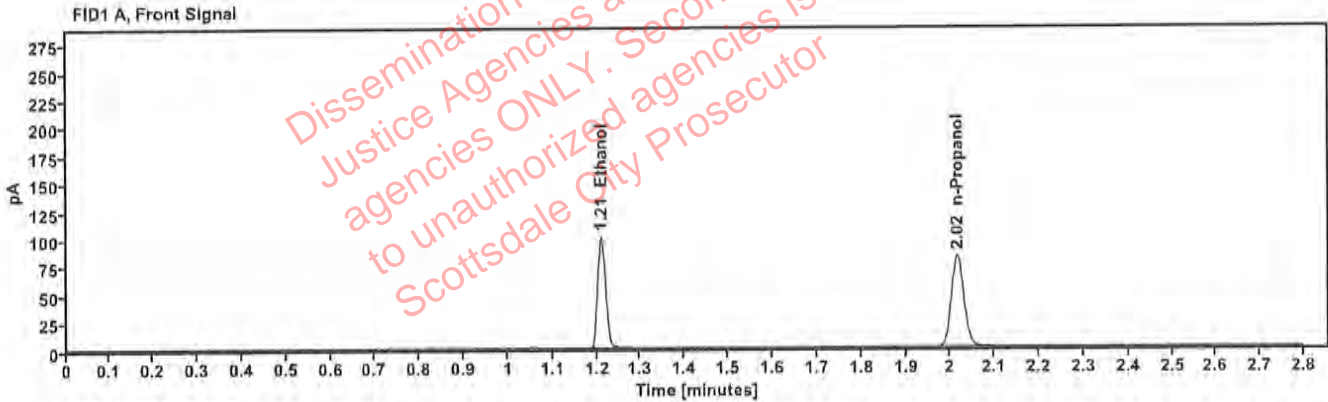


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2048	1.210	128.733
n-Propanol	-----	2.016	164.165

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

Compound	Time (min)	Peak Area
Ethanol	1.358	140.481
n-Propanol	2.436	178.256

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 031623AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 19Apr23
Instrument: US14173023 CN14160045	Injection date: 4/19/2023 1:26:50 PM
Data file: C:\Chem32\1\Data\19Apr23\45.D	Analyst: Canonico <i>EC</i>

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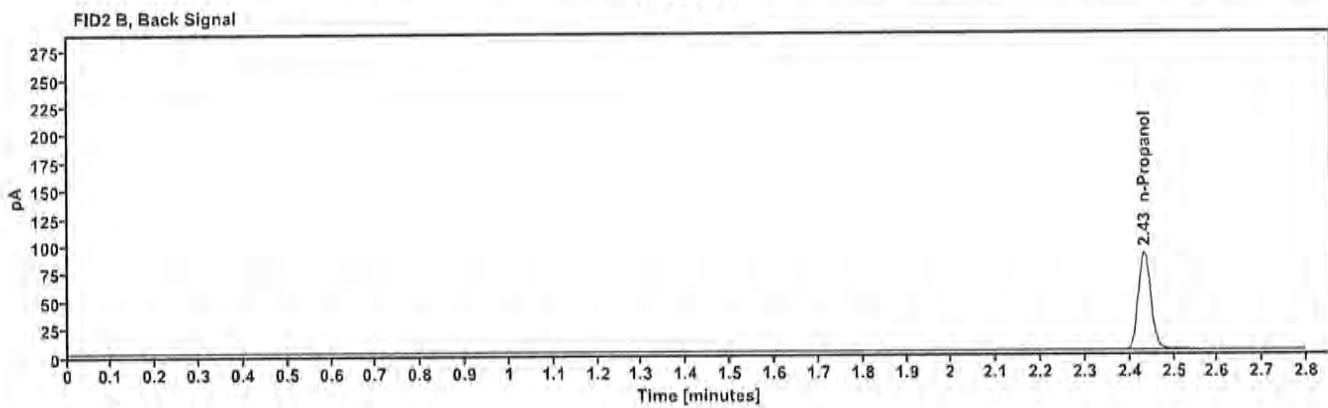
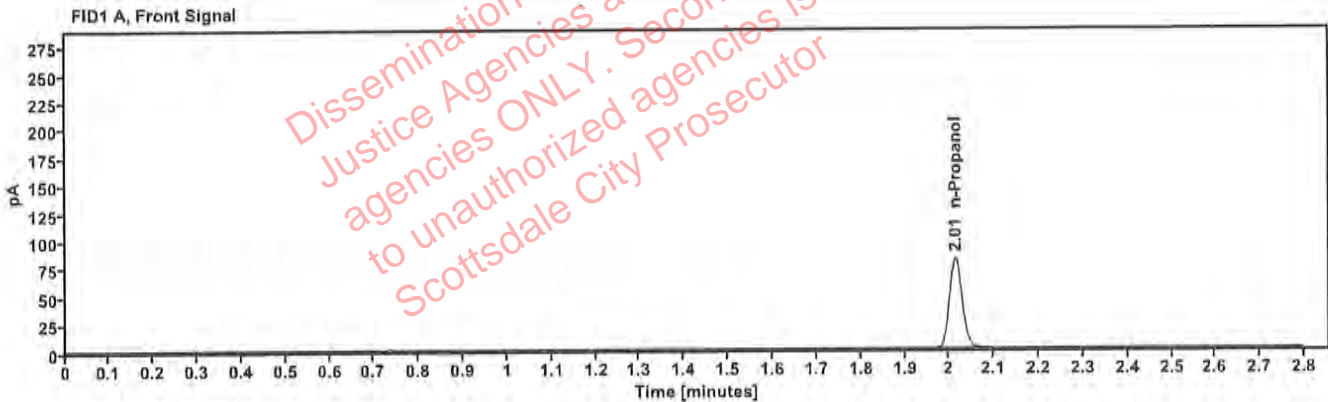


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.014	161.793

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

Compound	Time (min)	Peak Area
n-Propanol	2.433	175.784

Sequence Summary

Sequence name: 19Apr23 Instrument: US14173023 CN14160045 Analyst: Canonico *cc*

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	011823VWB	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	2221900-1		Sample		ethanol quant.M
11	2221900-1		Sample		ethanol quant.M
12	2307422-3		Sample		ethanol quant.M
13	2307422-3		Sample		ethanol quant.M
14	2307416-5		Sample		ethanol quant.M
15	2307416-5		Sample		ethanol quant.M
16	2307508-1		Sample		ethanol quant.M
17	2307508-1		Sample		ethanol quant.M
18	2307506-2		Sample		ethanol quant.M
19	2307506-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2307192-2		Sample		ethanol quant.M
22	2307192-2		Sample		ethanol quant.M
23	2307558-2		Sample		ethanol quant.M
24	2307558-2		Sample		ethanol quant.M
25	2307519-1		Sample		ethanol quant.M
26	2307519-1		Sample		ethanol quant.M
27	2307629-2		Sample		ethanol quant.M
28	2307629-2		Sample		ethanol quant.M
29	404-01L.B.		Sample		ethanol quant.M
30	404-01L.B.		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	402-1K.D.		Sample		ethanol quant.M
33	402-1K.D.		Sample		ethanol quant.M
34	415-01K.B.		Sample		ethanol quant.M
35	415-01K.B.		Sample		ethanol quant.M
36	2307349-2		Sample		ethanol quant.M
37	2307349-2		Sample		ethanol quant.M
38	2307707-2		Sample		ethanol quant.M
39	2307707-2		Sample		ethanol quant.M
40	2307547-2		Sample		ethanol quant.M
41	2307547-2		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/10	0.199	Control		ethanol quant.M
45	031623AQ	Negative	Control		ethanol quant.M

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

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 19Apr23

ANALYST: Canonico *cc*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1567	0.1566	0.15665	0.03	0.00005
12 13	0.2432	0.2437	0.24345	0.10	0.00025
14 15	0.0655	0.0659	0.06570	0.30	0.00020
16 17	0.1135	0.1128	0.11315	0.31	0.00035
18 19	0.0875	0.0873	0.08740	0.11	0.00010
21 22	0.2188	0.2176	0.21820	0.27	0.00060
23 24	0.2077	0.2056	0.20665	0.51	0.00105
25 26	0.1904	0.1898	0.19010	0.16	0.00030
27 28	0.2096	0.2100	0.20980	0.10	0.00020
29 30	0.0000	0.0000	0.00000	0.00	0.00000
32 33	0.1953	0.1955	0.19540	0.05	0.00010
34 35	0.2235	0.2237	0.22360	0.04	0.00010
36 37	0.1583	0.1573	0.15780	0.32	0.00050
38 39	0.1613	0.1634	0.16235	0.65	0.00105
40 41	0.3623	0.3629	0.36260	0.08	0.00030

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

Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

ANALYST: Canonico *ee*

SEQUENCE: 19Apr23

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2221900-1	2221900-1	2221900-1	Yes
Vials 12 and 13	2307422-3	2307422-3	2307422-3	Yes
Vials 14 and 15	2307416-5	2307416-5	2307416-5	Yes
Vials 16 and 17	2307508-1	2307508-1	2307508-1	Yes
Vials 18 and 19	2307506-2	2307506-2	2307506-2	Yes
Vials 21 and 22	2307192-2	2307192-2	2307192-2	Yes
Vials 23 and 24	2307558-2	2307558-2	2307558-2	Yes
Vials 25 and 26	2307519-1	2307519-1	2307519-1	Yes
Vials 27 and 28	2307629-2	2307629-2	2307629-2	Yes
Vials 29 and 30	404-01L.B.	404-01L.B.	404-01L.B.	Yes
Vials 32 and 33	402-1K.D.	402-1K.D.	402-1K.D.	Yes
Vials 34 and 35	415-01K.B.	415-01K.B.	415-01K.B.	Yes
Vials 36 and 37	2307349-2	2307349-2	2307349-2	Yes
Vials 38 and 39	2307707-2	2307707-2	2307707-2	Yes
Vials 40 and 41	2307547-2	2307547-2	2307547-2	Yes

██████████: Canonico, Erika - (19-Apr-2023)

Case: ██████████ User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221900-1	Vial:	10
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:05:20 AM
Data file:	C:\Chem32\1\Data\19Apr23\10.D	Analyst:	Canonico

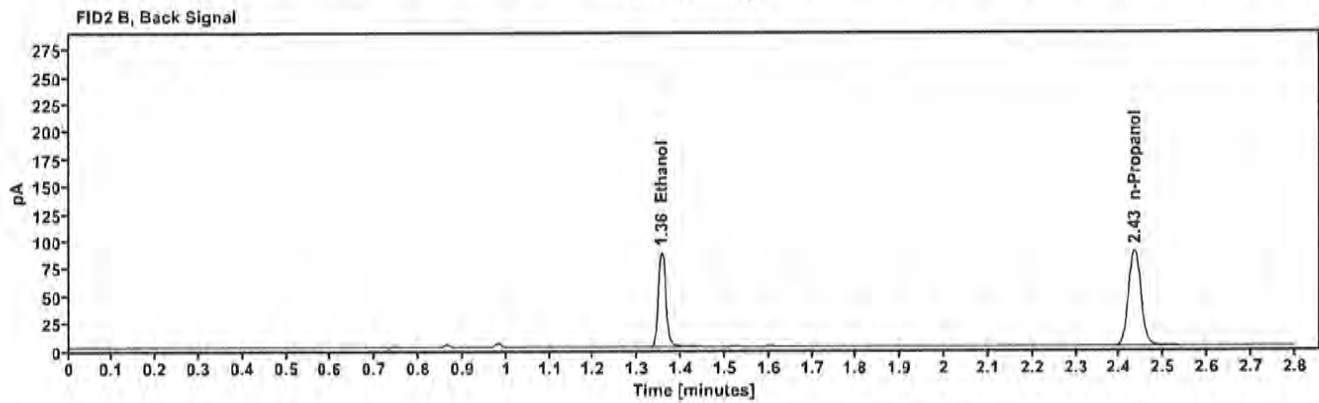
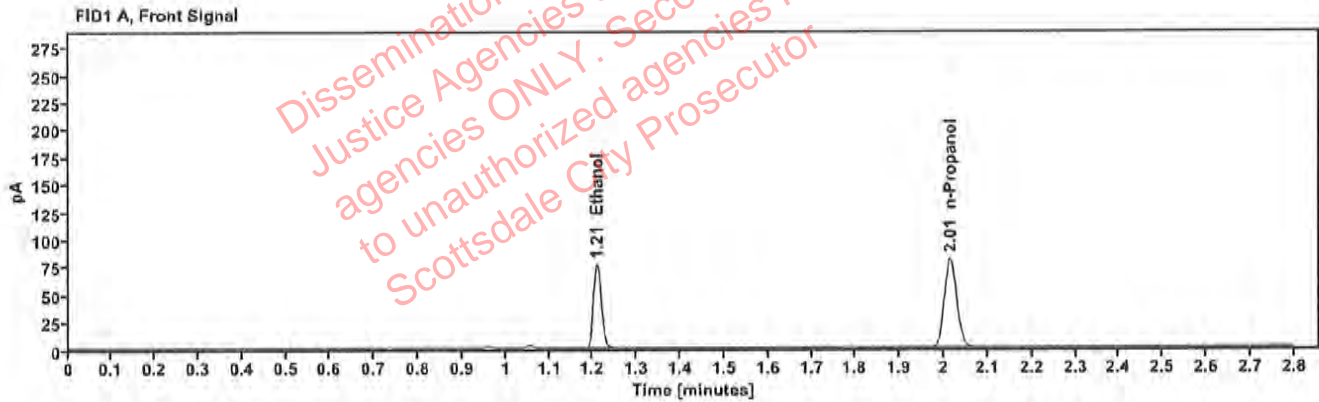


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1567	1.209	96.451
n-Propanol	---	2.015	161.018

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

Compound	Time (min)	Peak Area
Ethanol	1.355	105.322
n-Propanol	2.434	174.997

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221900-1	Vial:	11
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:09:21 AM
Data file:	C:\Chem32\1\Data\19Apr23\11.D	Analyst:	Canonico

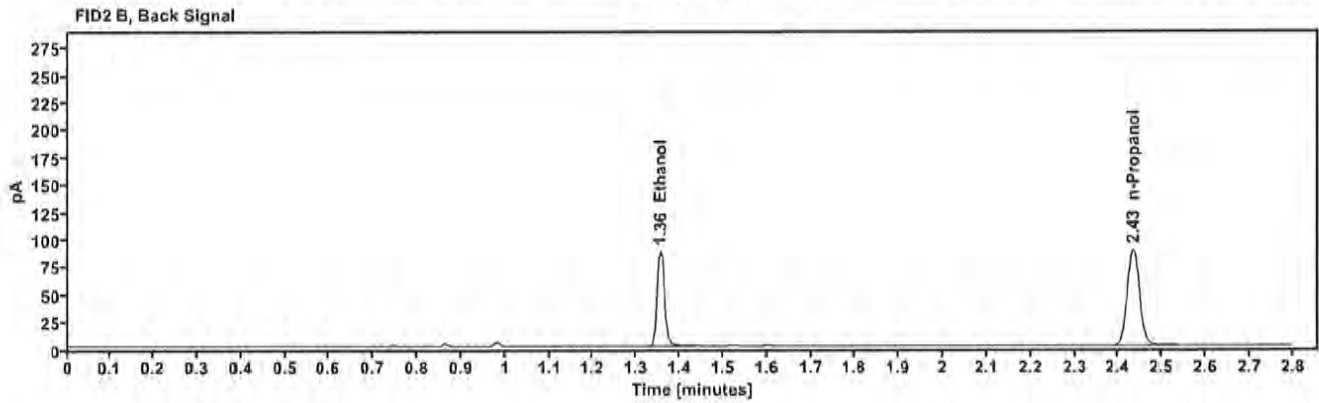
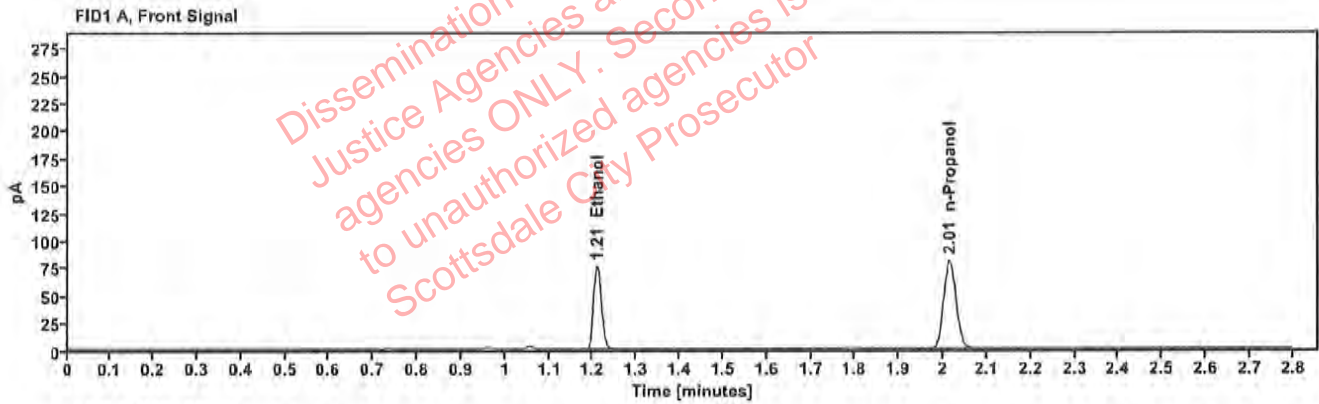


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1566	1.209	96.093
n-Propanol	-----	2.015	160.549

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

Compound	Time (min)	Peak Area
Ethanol	1.355	104.949
n-Propanol	2.433	174.485

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307422-3	Vial:	12
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:13:20 AM
Data file:	C:\Chem32\1\Data\19Apr23\12.D	Analyst:	Canonico

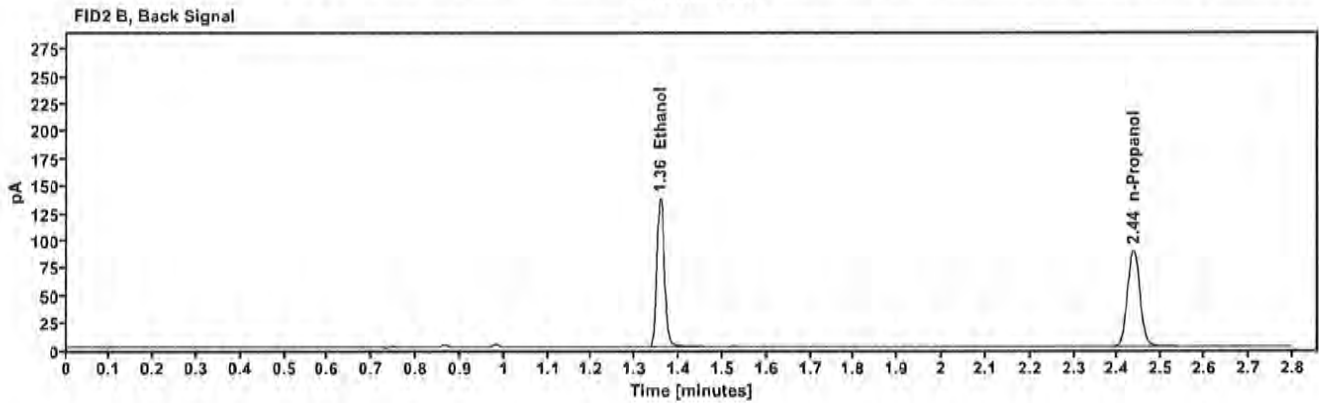
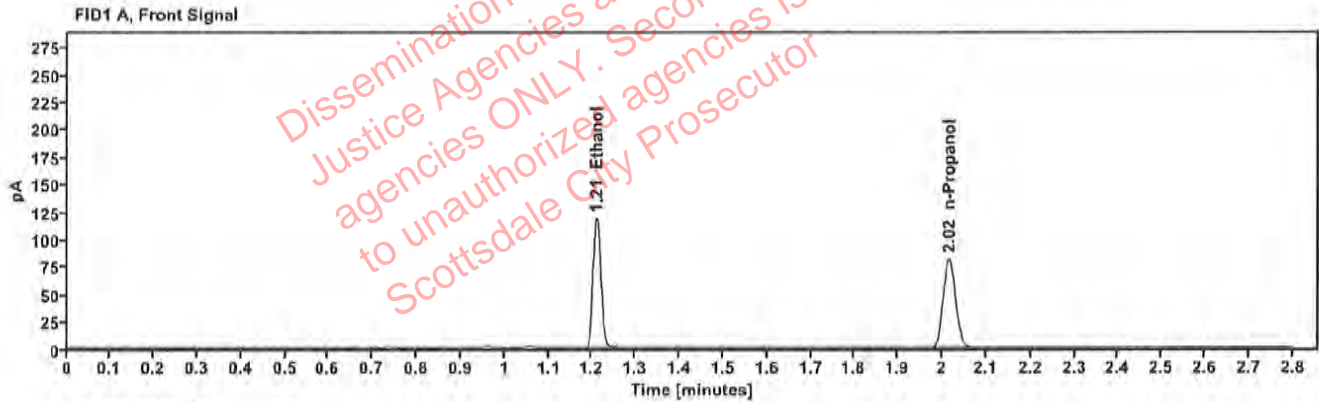


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2432	1.210	151.221
n-Propanol	—	2.016	162.284

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

Compound	Time (min)	Peak Area
Ethanol	1.357	165.296
n-Propanol	2.436	176.090

: Canonico, Erika - (19-Apr-2023)

Case: User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307422-3	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:17:36 AM
Data file:	C:\Chem32\1\Data\19Apr23\13.D	Analyst:	Canonico

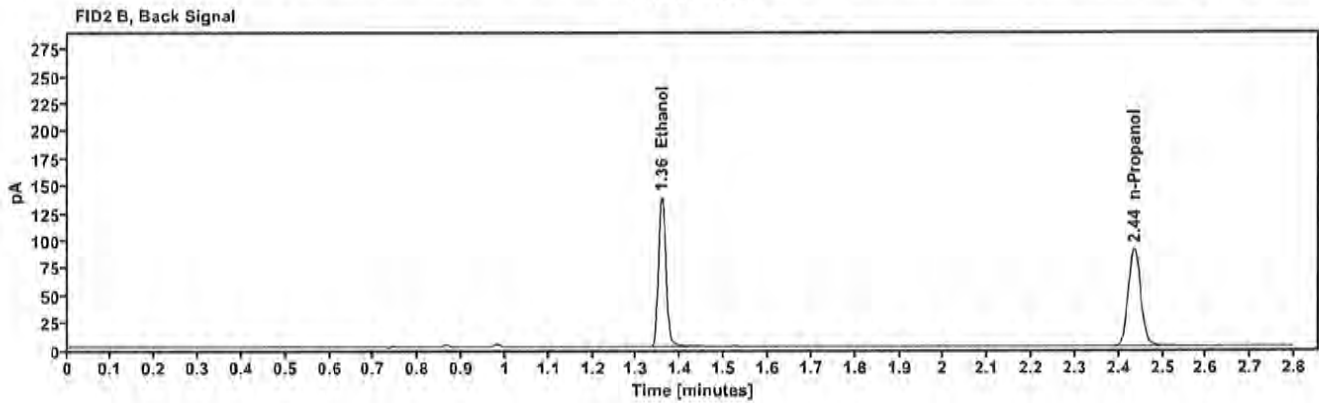
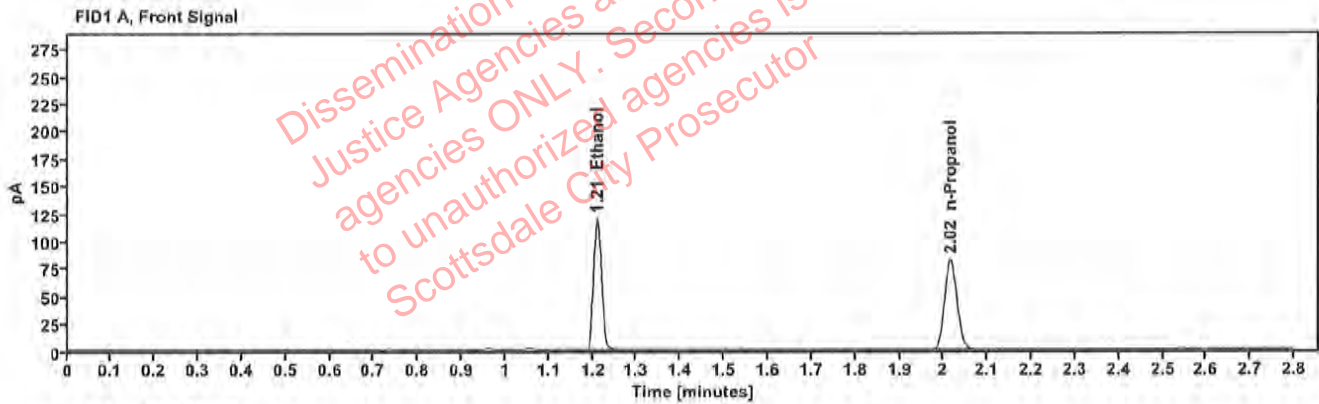


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2437	1.210	152.083
n-Propanol	---	2.016	162.871

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

Compound	Time (min)	Peak Area
Ethanol	1.357	166.235
n-Propanol	2.435	176.598

[REDACTED] : Canonico, Erika - (19-Apr-2023)

Case: [REDACTED] User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307416-5	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:21:36 AM
Data file:	C:\Chem32\1\Data\19Apr23\14.D	Analyst:	Canonico

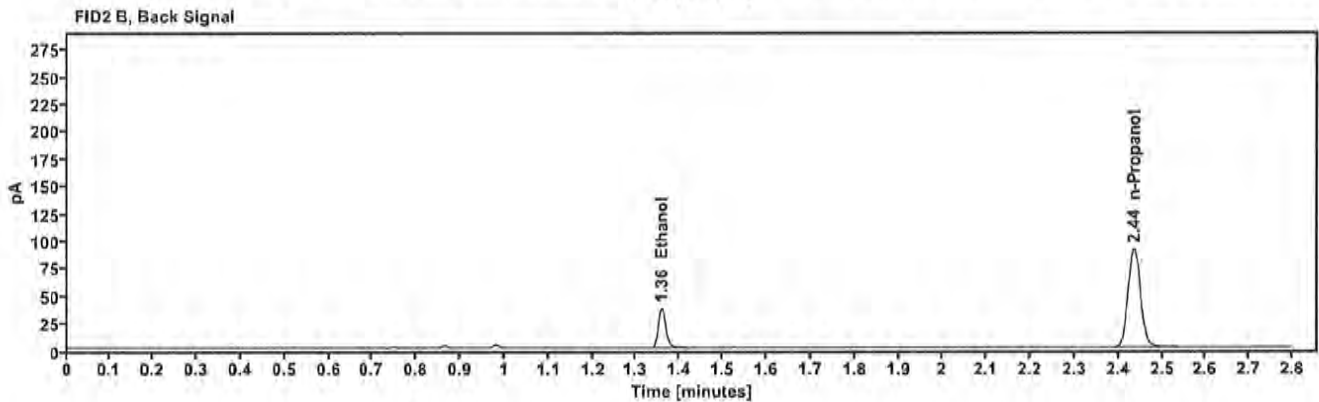
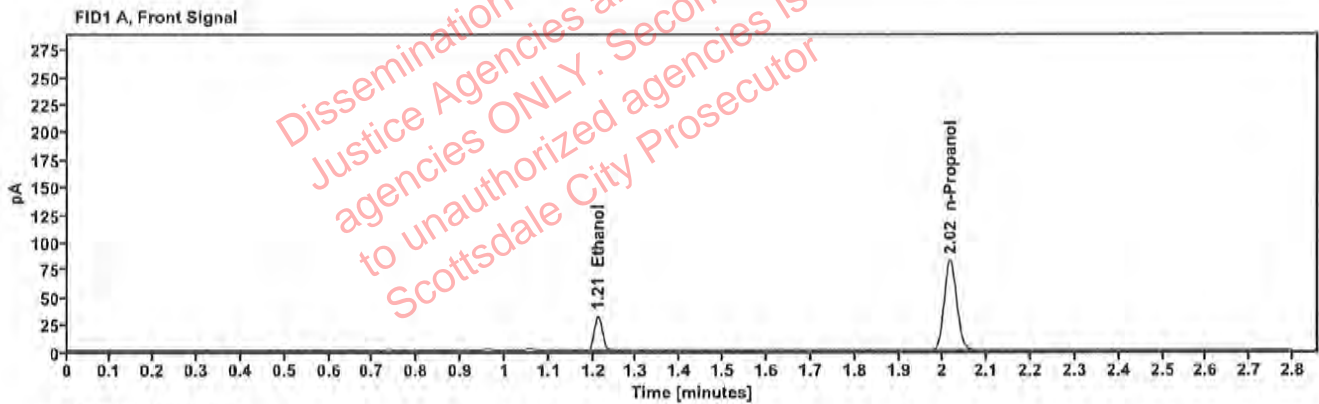


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0655	1.211	40.815
n-Propanol	-----	2.016	164.571

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

Compound	Time (min)	Peak Area
Ethanol	1.359	44.298
n-Propanol	2.436	178.592

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307416-5	Vial:	15
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:25:35 AM
Data file:	C:\Chem32\1\Data\19Apr23\15.D	Analyst:	Canonico

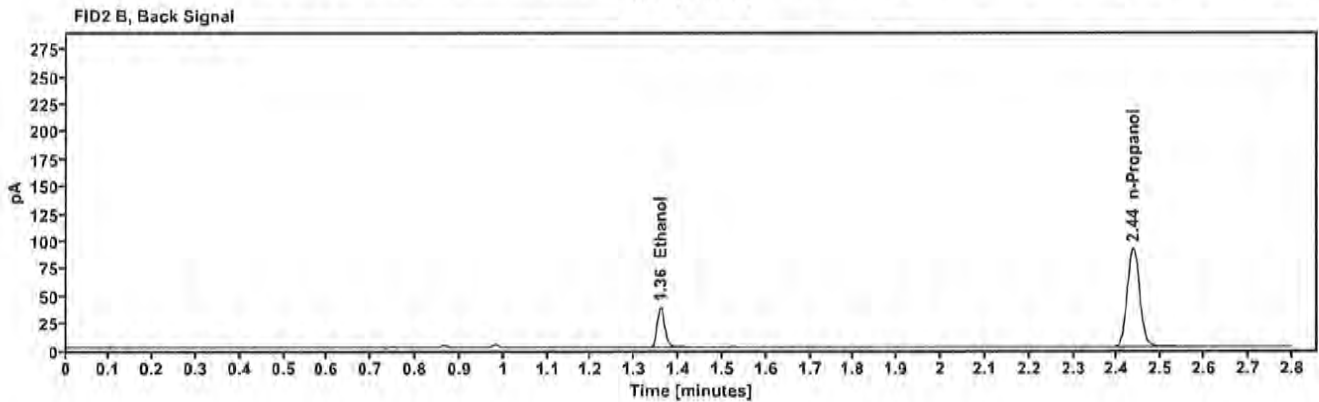
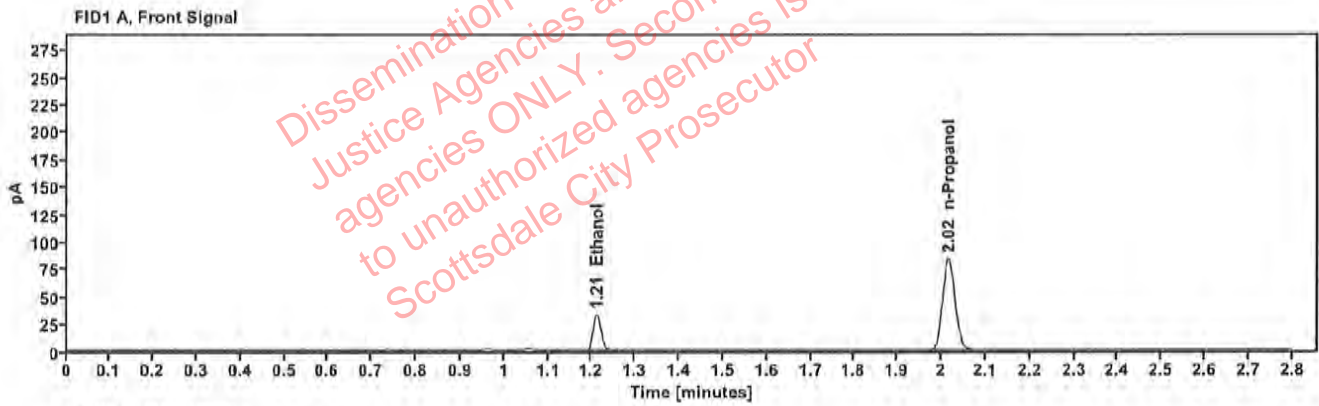


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0659	1.212	41.552
n-Propanol	---	2.016	166.540

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

Compound	Time (min)	Peak Area
Ethanol	1.359	45.083
n-Propanol	2.436	180.571

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307508-1	Vial:	16
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:29:35 AM
Data file:	C:\Chem32\1\Data\19Apr23\16.D	Analyst:	Canonico

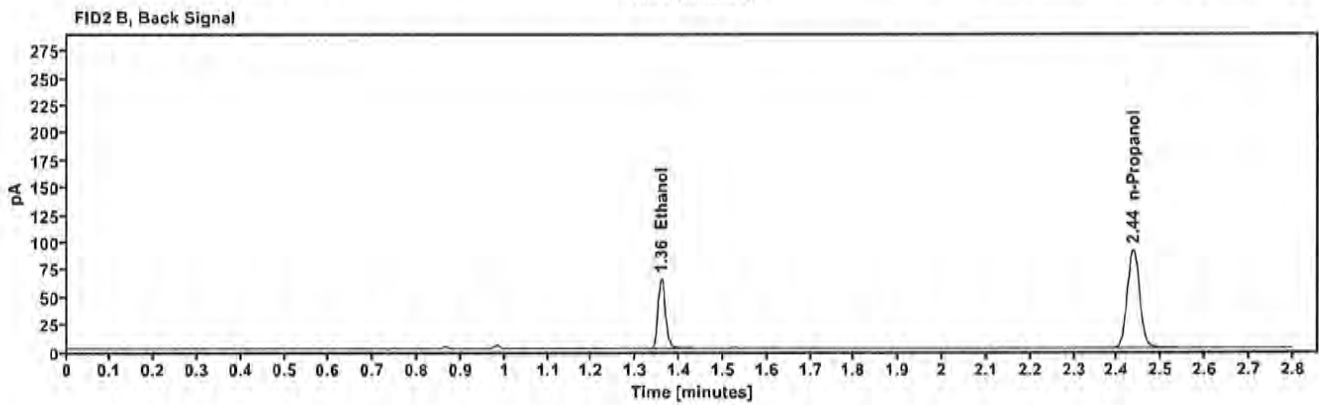
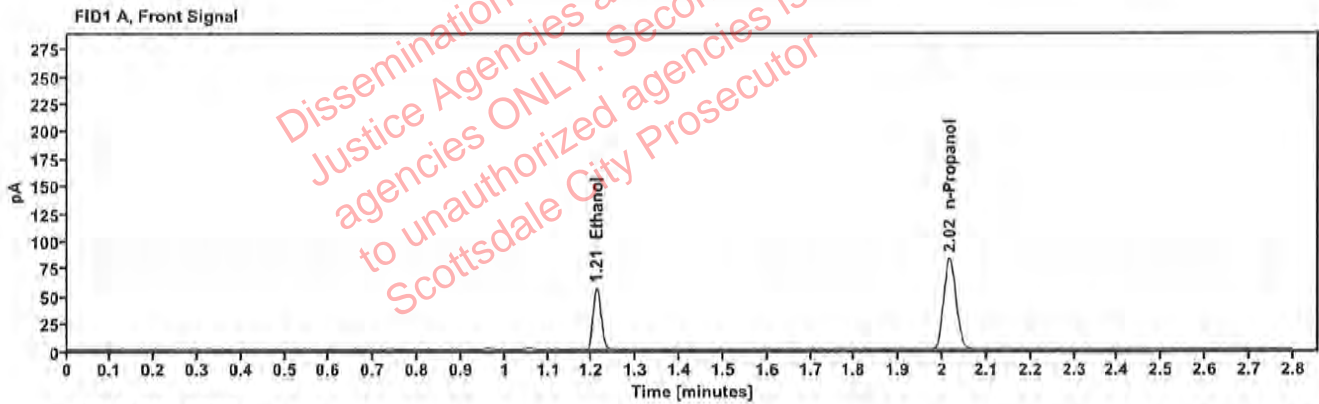


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1135	1.211	71.448
n-Propanol	-----	2.016	165.040

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

Compound	Time (min)	Peak Area
Ethanol	1.358	77.663
n-Propanol	2.436	179.134

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307508-1	Vial:	17
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:33:35 AM
Data file:	C:\Chem32\1\Data\19Apr23\17.D	Analyst:	Canonico

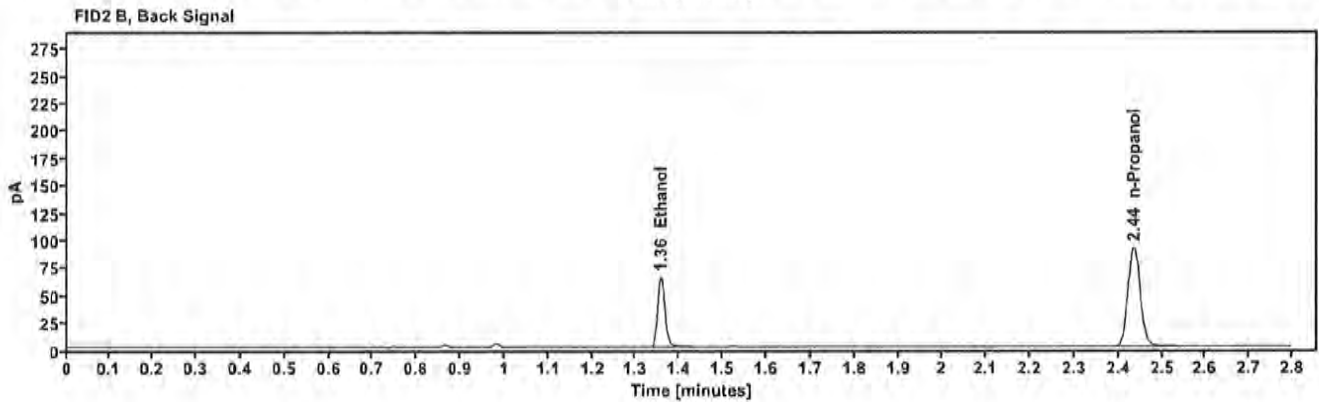
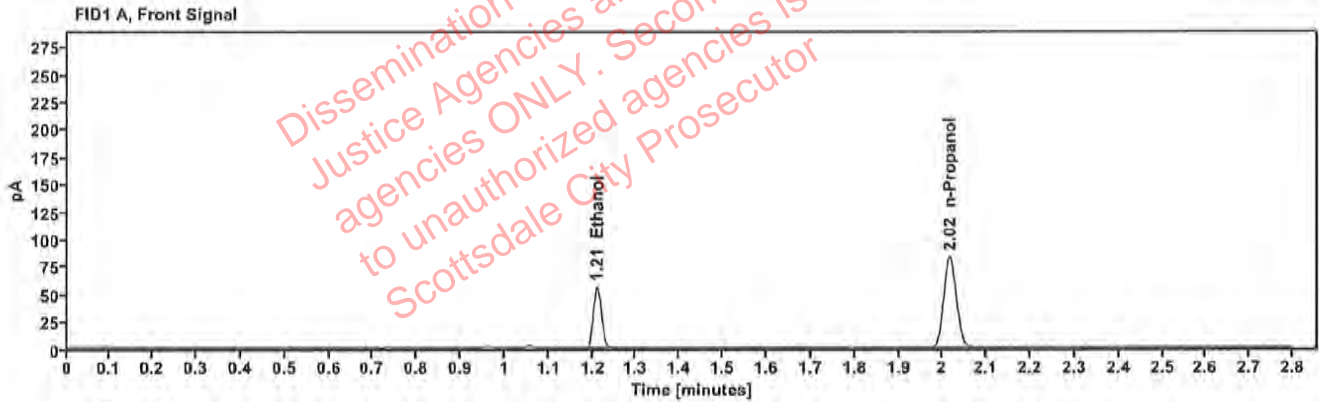


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1128	1.210	71.284
n-Propanol	-----	2.016	165.735

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

Compound	Time (min)	Peak Area
Ethanol	1.358	77.428
n-Propanol	2.435	179.881

██████████ : Canonico, Erika - (19-Apr-2023)

Case: ██████████ User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307506-2	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:37:36 AM
Data file:	C:\Chem32\1\Data\19Apr23\18.D	Analyst:	Canonico

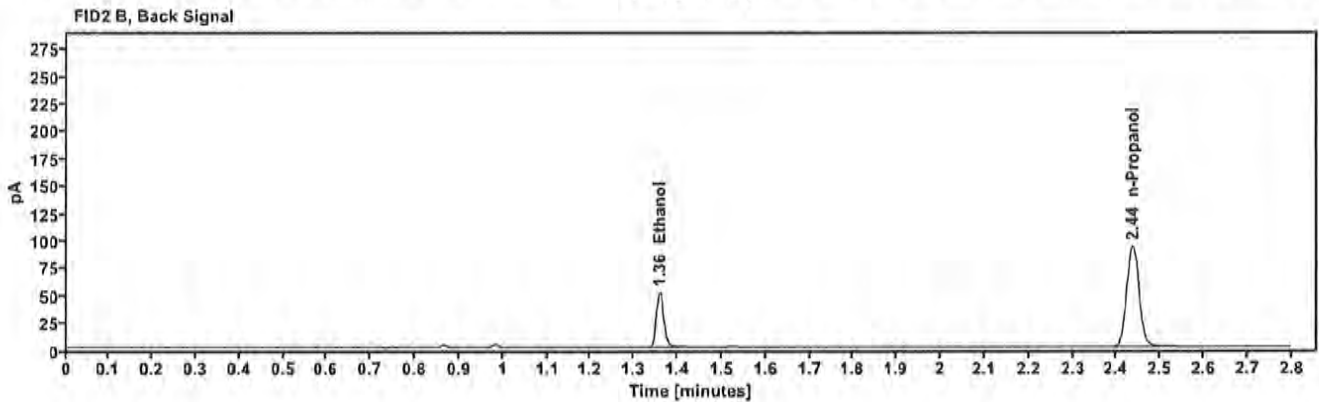
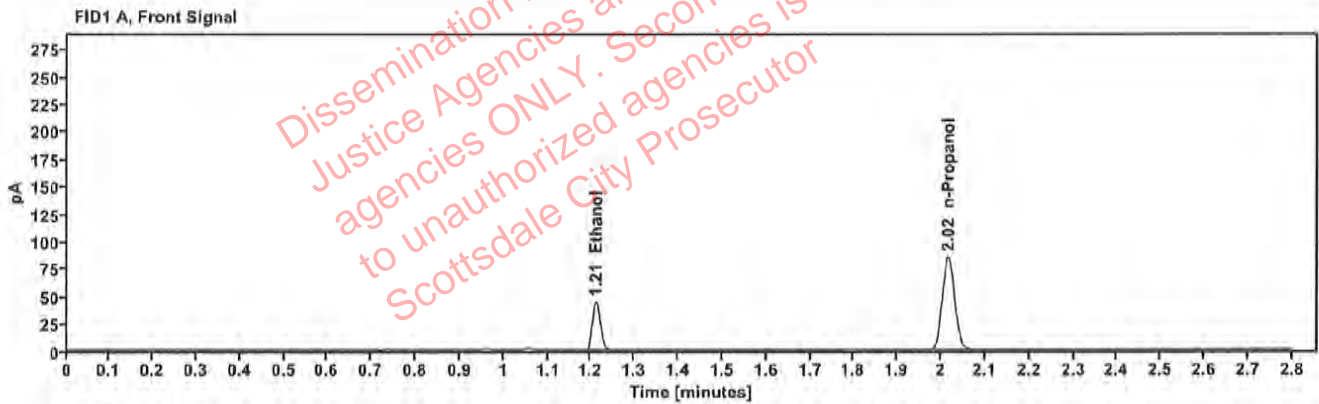


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0875	1.211	56.148
n-Propanol	---	2.016	168.693

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

Compound	Time (min)	Peak Area
Ethanol	1.359	61.043
n-Propanol	2.436	183.223

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307506-2	Vial:	19
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:41:50 AM
Data file:	C:\Chem32\1\Data\19Apr23\19.D	Analyst:	Canonico

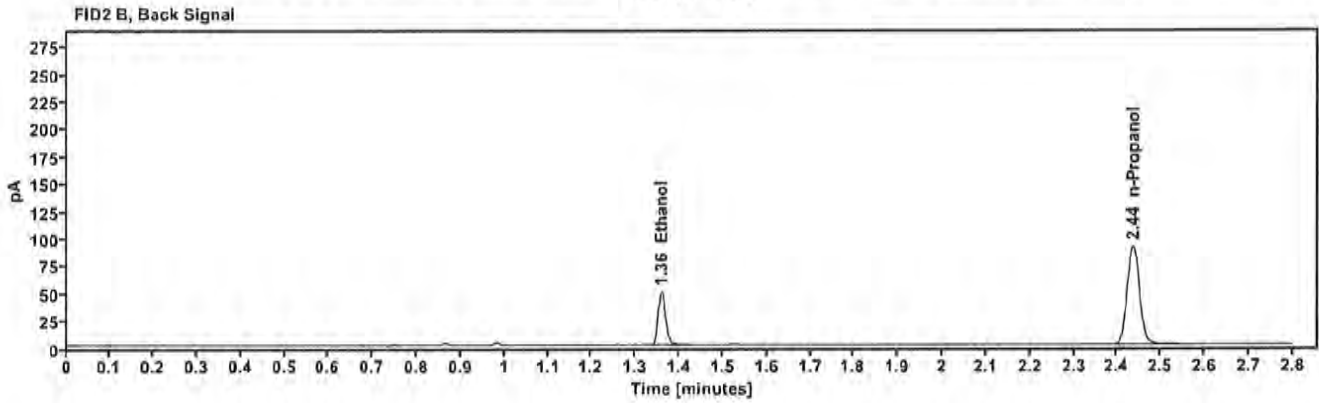
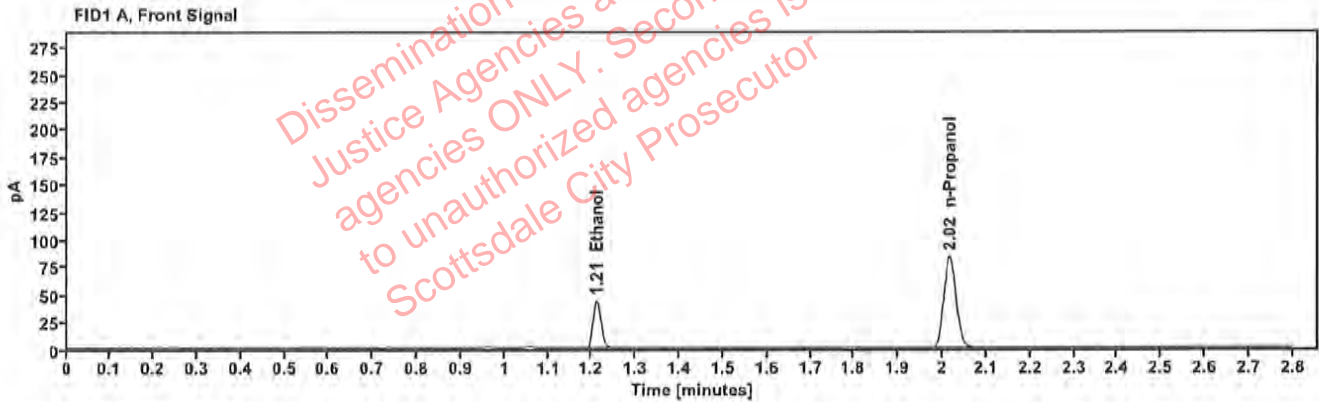


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0873	1.211	55.104
n-Propanol	---	2.016	165.892

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

Compound	Time (min)	Peak Area
Ethanol	1.359	59.928
n-Propanol	2.436	180.051

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307192-2	Vial:	21
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:49:50 AM
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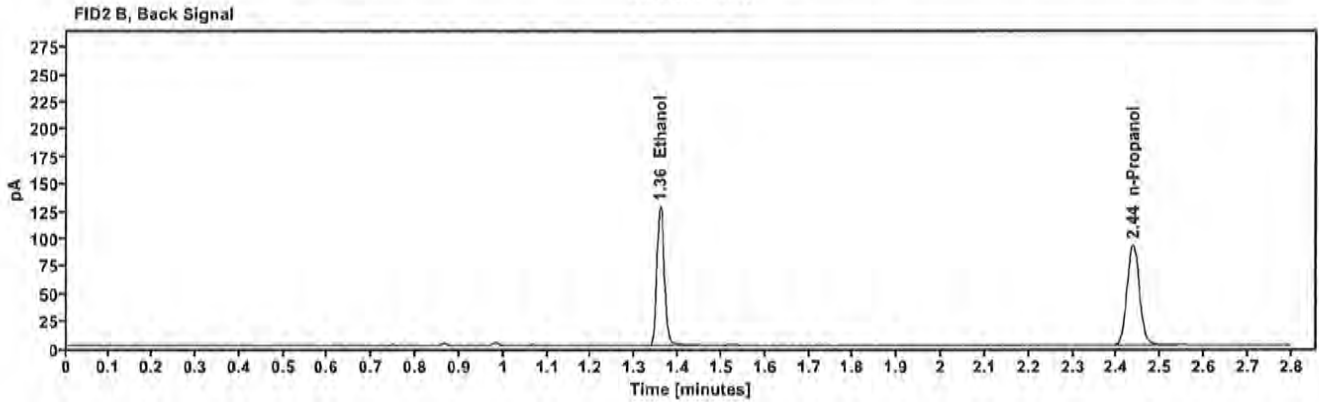
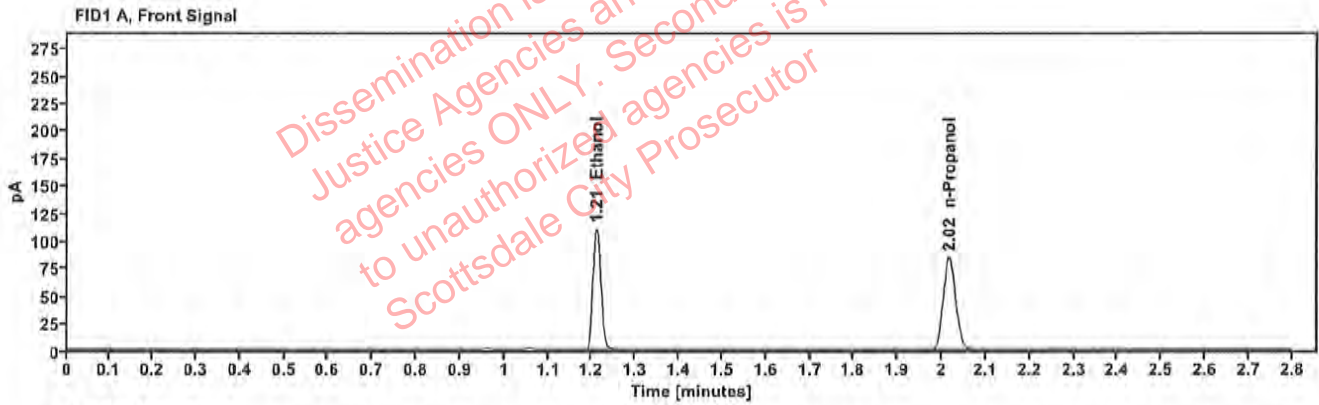


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2188	1.211	140.616
n-Propanol	-----	2.017	167.830

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

Compound	Time (min)	Peak Area
Ethanol	1.359	153.772
n-Propanol	2.437	181.867

[REDACTED]: Canonico, Erika - (19-Apr-2023)

Case: [REDACTED] User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307192-2	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:53:51 AM
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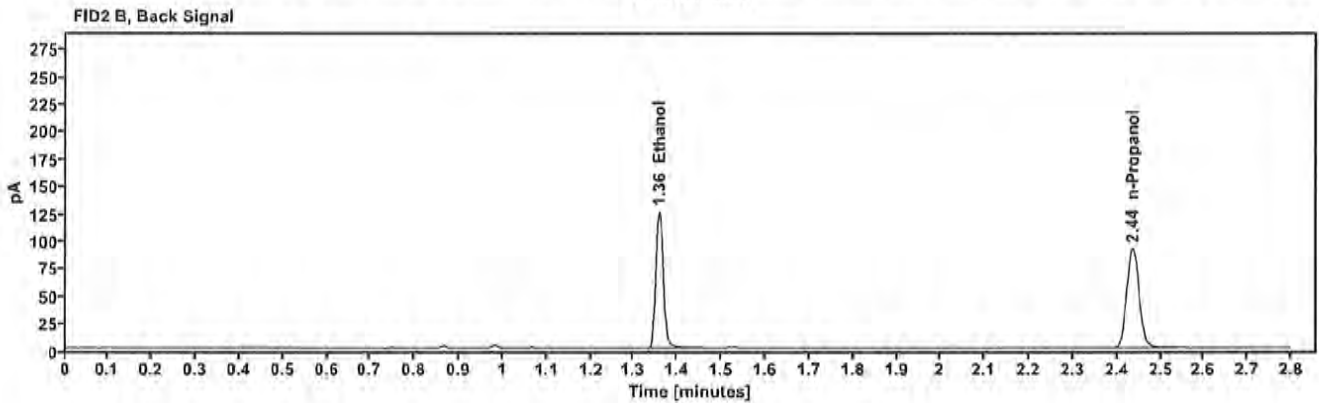
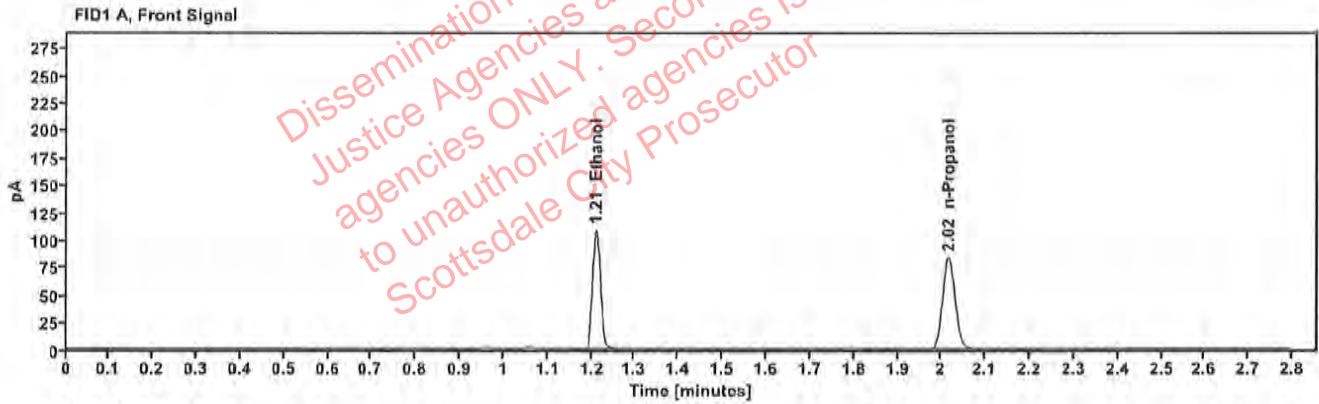


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2176	1.210	138.408
n-Propanol	---	2.016	166.061

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

Compound	Time (min)	Peak Area
Ethanol	1.358	151.647
n-Propanol	2.436	180.023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307558-2	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 11:57:50 AM
Data file:	C:\Chem32\1\Data\19Apr23\23.D	Analyst:	Canonico

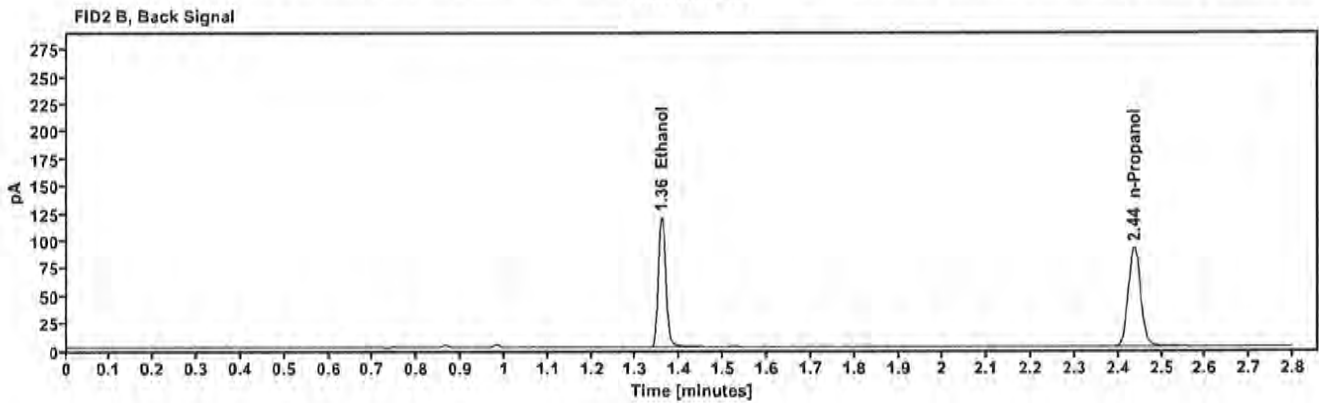
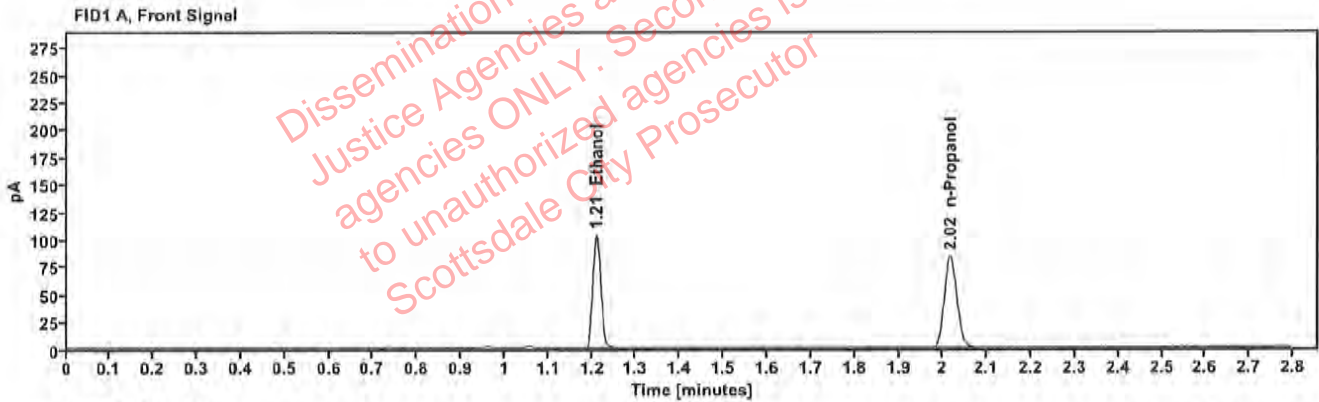


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2077	1.211	132.096
n-Propanol	-----	2.016	166.070

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

Compound	Time (min)	Peak Area
Ethanol	1.359	144.251
n-Propanol	2.436	180.016

[REDACTED]: Canonico, Erika - (19-Apr-2023)

Case: [REDACTED] User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307558-2	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:01:50 PM
Data file:	C:\Chem32\1\Data\19Apr23\24.D	Analyst:	Canonico

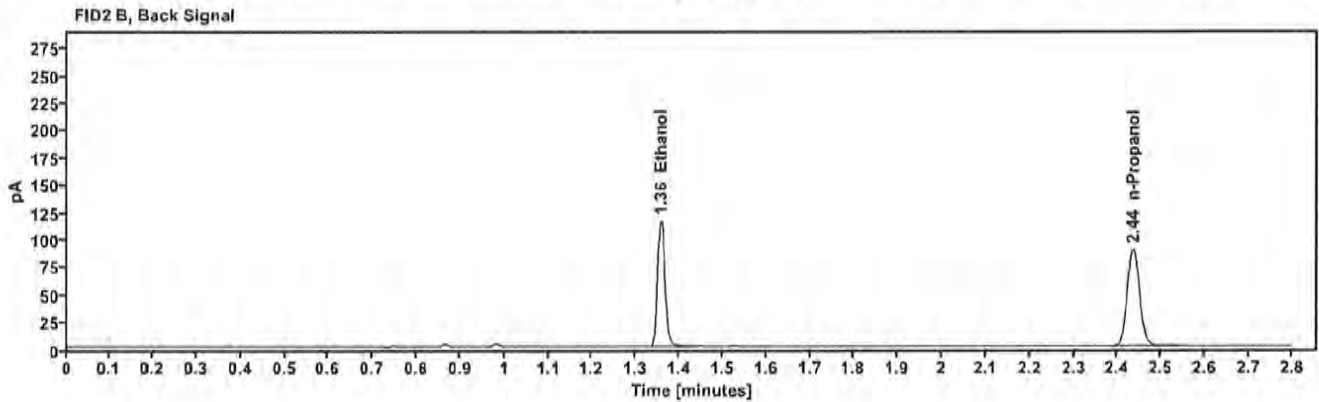
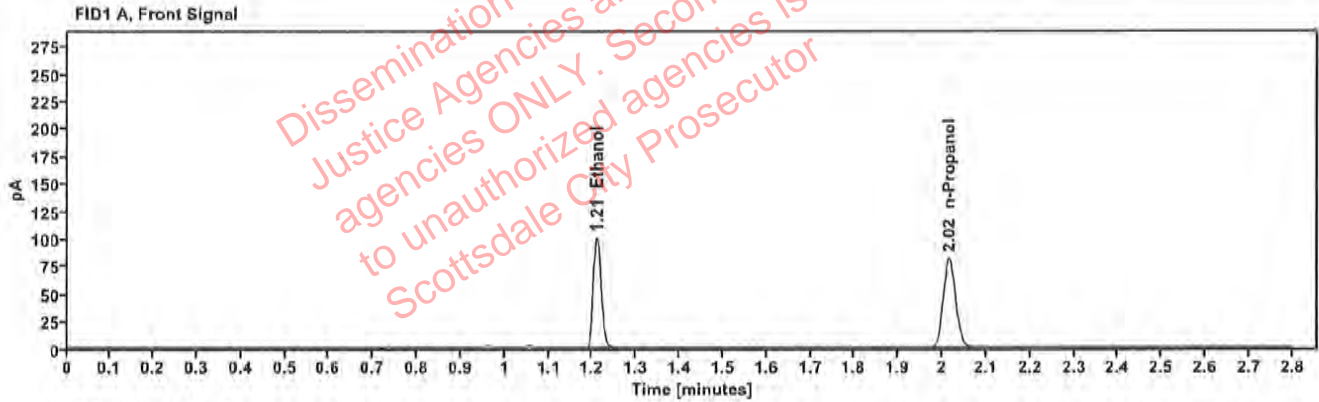


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2056	1.210	127.755
n-Propanol	---	2.016	162.257

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

Compound	Time (min)	Peak Area
Ethanol	1.357	139.622
n-Propanol	2.435	175.736

Case: [REDACTED]: Canonico, Erika - (19-Apr-2023)

User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307519-1	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:06:06 PM
Data file:	C:\Chem32\1\Data\19Apr23\25.D	Analyst:	Canonico

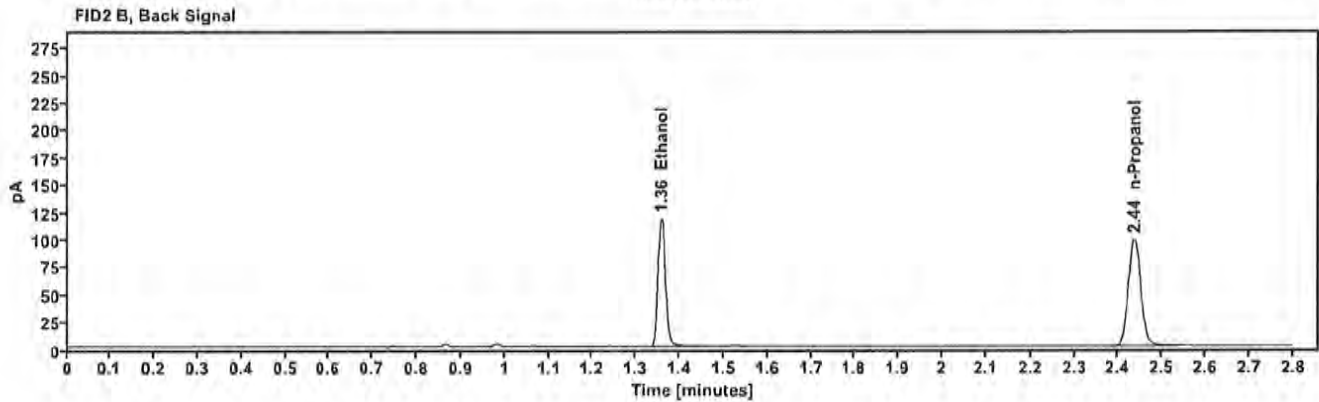
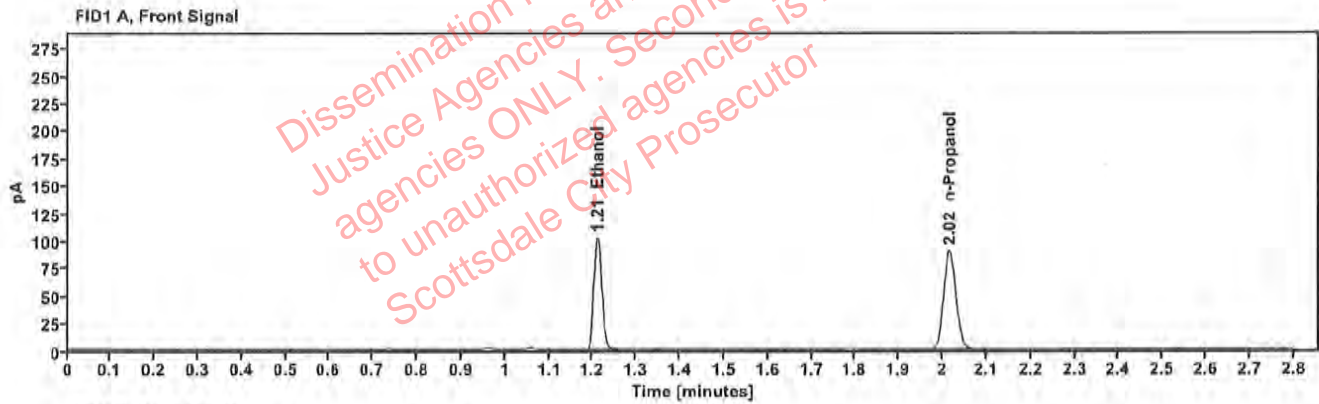


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1904	1.210	130.459
n-Propanol	---	2.016	179.032

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

Compound	Time (min)	Peak Area
Ethanol	1.358	142.308
n-Propanol	2.436	193.918

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307519-1	Vial:	26
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:10:05 PM
Data file:	C:\Chem32\1\Data\19Apr23\26.D	Analyst:	Canonico

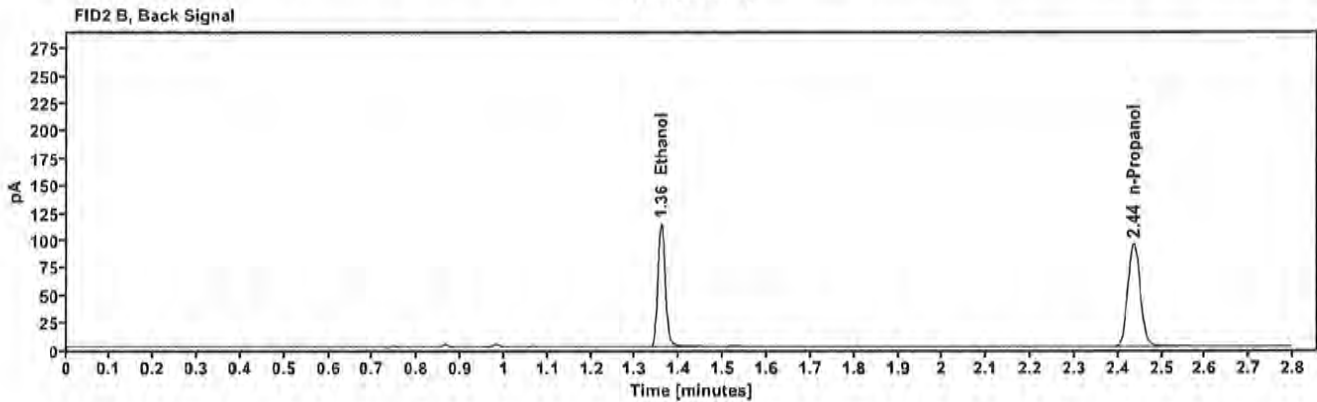
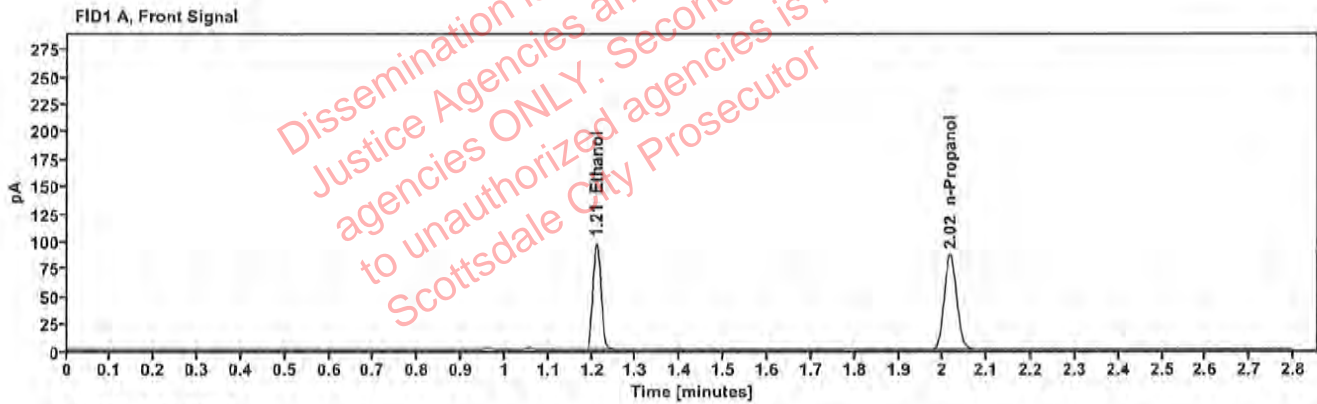


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1898	1.211	125.152
n-Propanol	---	2.016	172.275

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

Compound	Time (min)	Peak Area
Ethanol	1.359	136.614
n-Propanol	2.436	186.687

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307629-2	Vial:	27
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:14:05 PM
Data file:	C:\Chem32\1\Data\19Apr23\27.D	Analyst:	Canonico

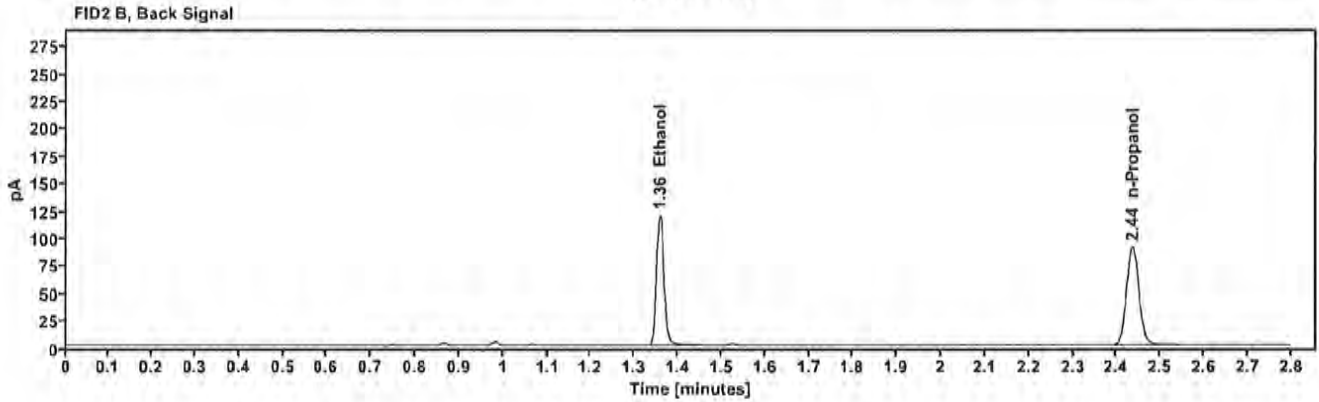
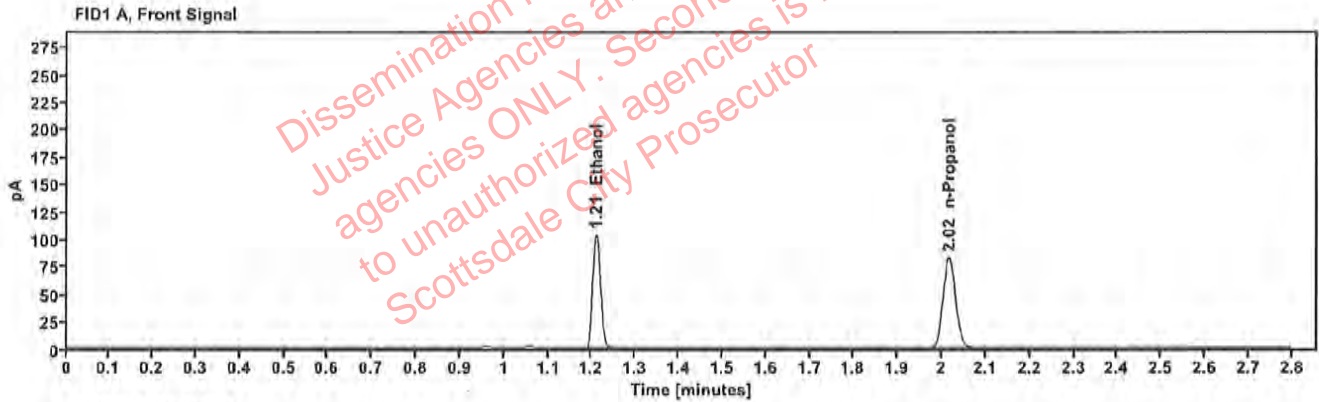


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2096	1.210	132.126
n-Propanol	-----	2.016	164.596

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

Compound	Time (min)	Peak Area
Ethanol	1.358	144.207
n-Propanol	2.436	178.511

[REDACTED] : Canonico, Erika - (19-Apr-2023)

Case: [REDACTED] User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307629-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:18:05 PM
Data file:	C:\Chem32\1\Data\19Apr23\28.D	Analyst:	Canonico

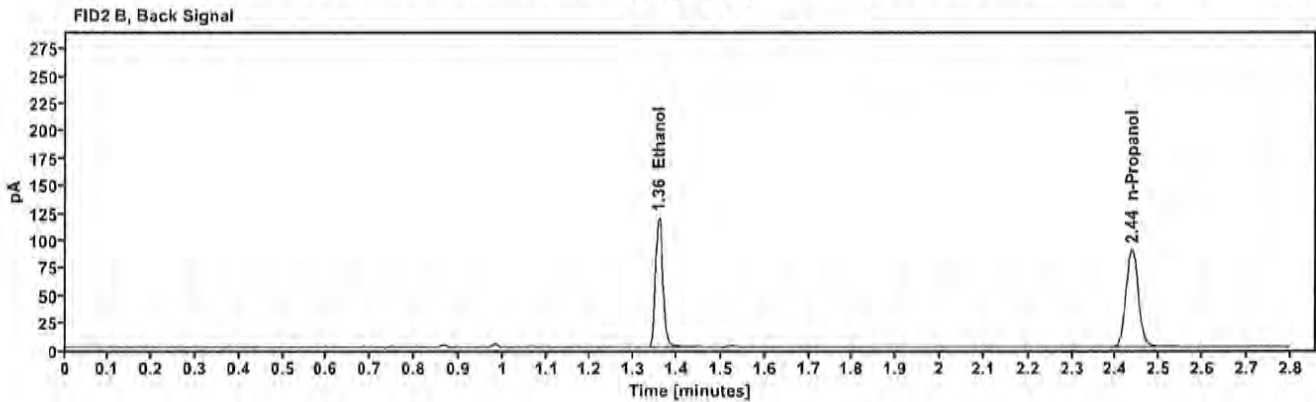
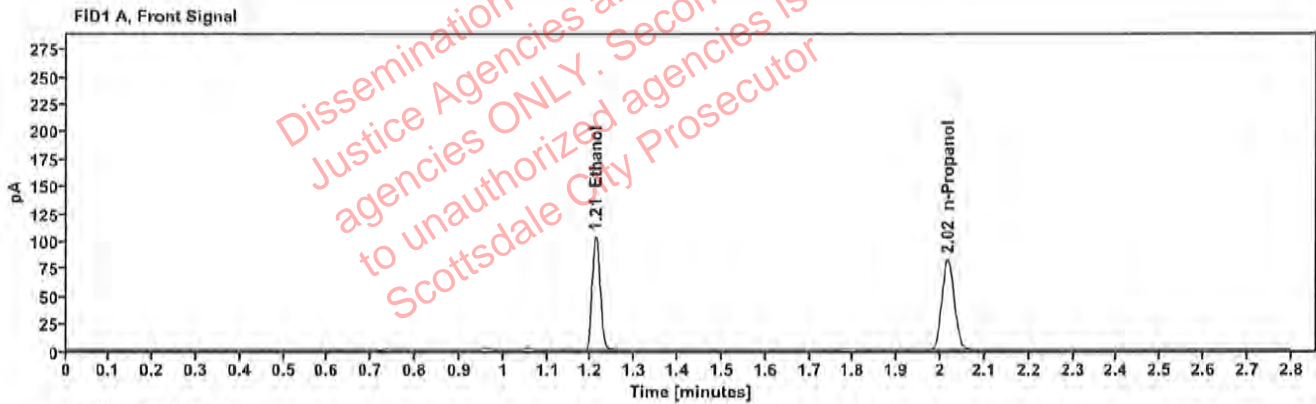


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2100	1.210	131.807
n-Propanol	---	2.016	163.934

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

Compound	Time (min)	Peak Area
Ethanol	1.358	143.959
n-Propanol	2.436	177.730

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01L.B.	Vial:	29
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:22:05 PM
Data file:	C:\Chem32\1\Data\19Apr23\29.D	Analyst:	Canonico

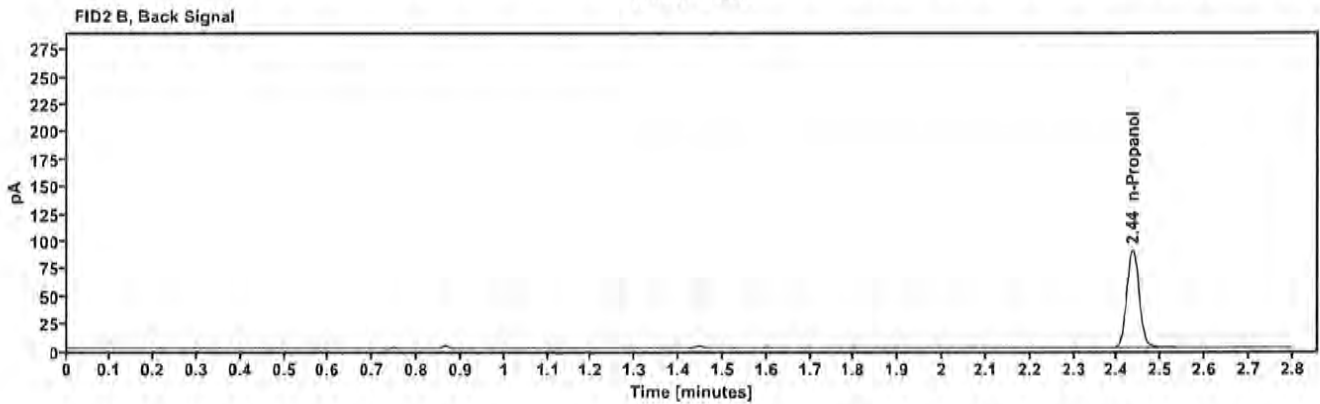
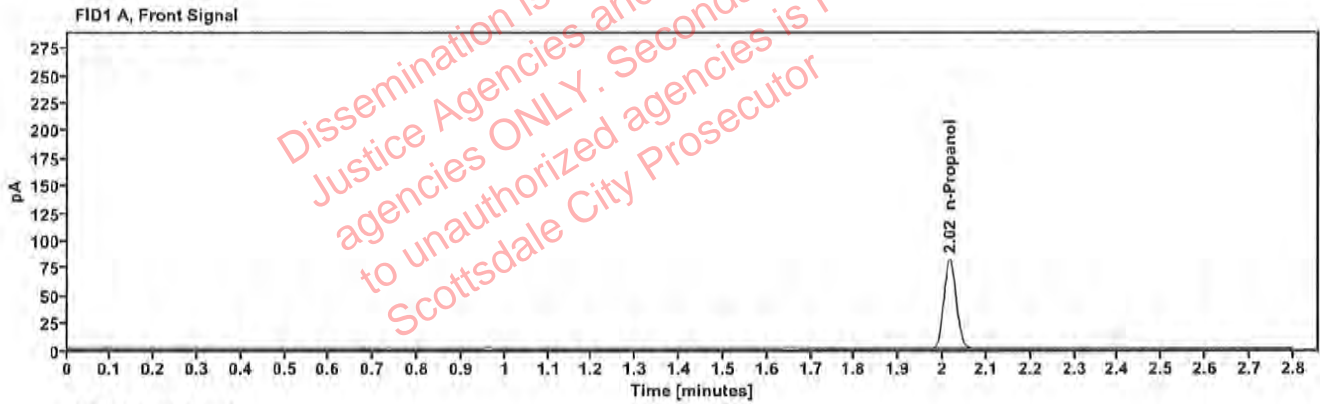


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.016	162.753

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	176.947

██████████: Canonico, Erika - (19-Apr-2023)

Case: ██████████ User: ecanonico 4/19/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01L.B.	Vial:	30
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:26:05 PM
Data file:	C:\Chem32\1\Data\19Apr23\30.D	Analyst:	Canonico

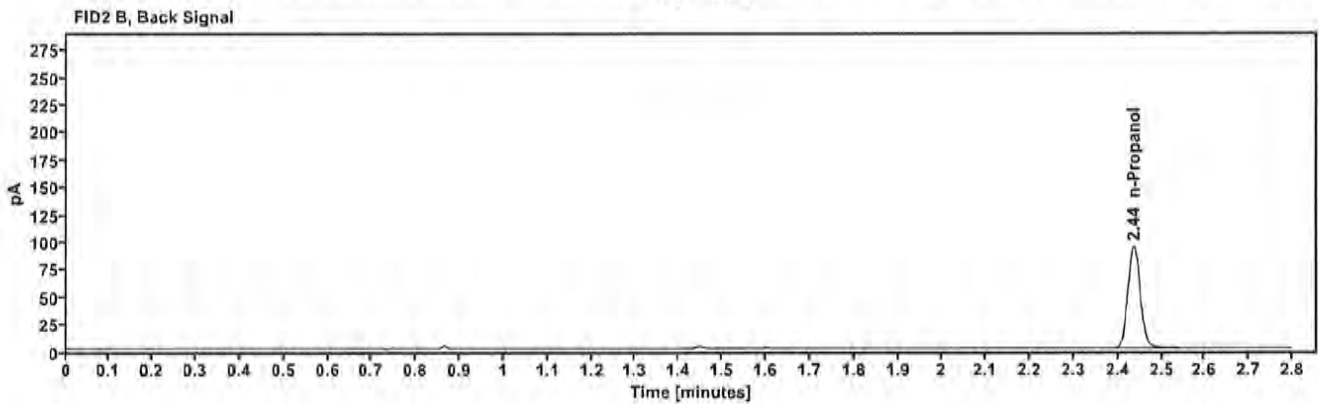
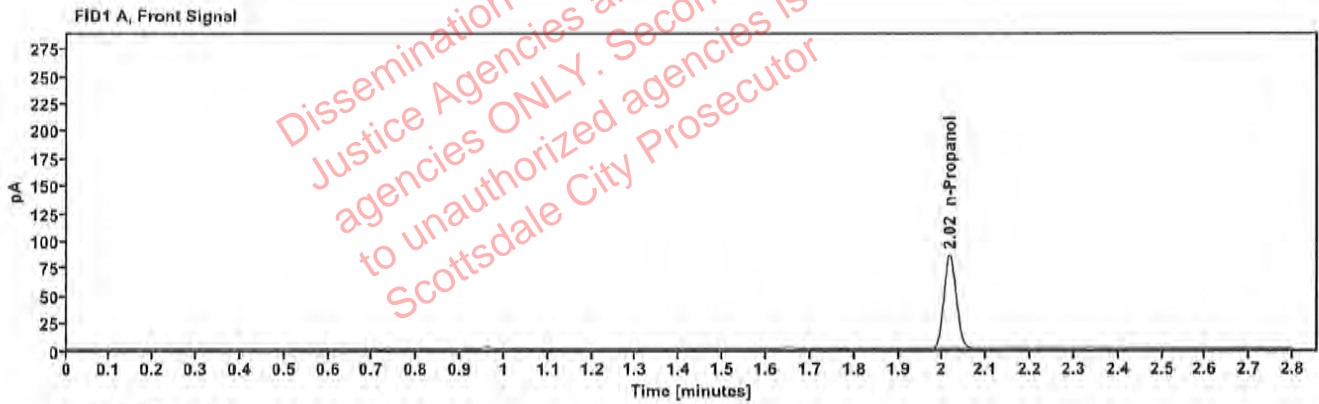


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.017	170.427

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

Compound	Time (min)	Peak Area
n-Propanol	2.437	185.311

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	402-1K.D.	Vial:	32
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:34:20 PM
Data file:	C:\Chem32\1\Data\19Apr23\32.D	Analyst:	Canonico

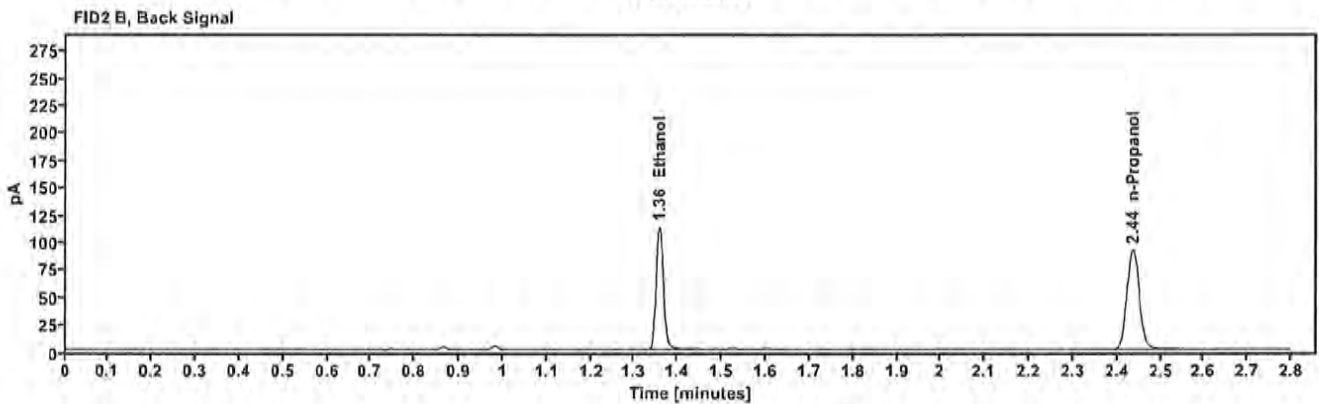
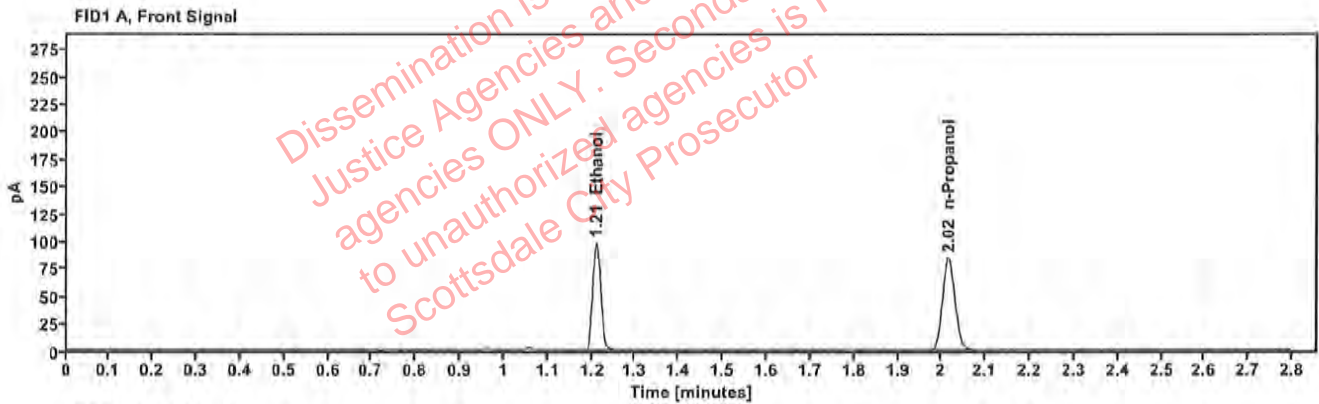


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1953	1.210	124.316
n-Propanol	-----	2.016	166.272

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

Compound	Time (min)	Peak Area
Ethanol	1.358	135.687
n-Propanol	2.436	180.489

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	402-1K.D.	Vial:	33
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:38:20 PM
Data file:	C:\Chem32\1\Data\19Apr23\33.D	Analyst:	Canonico

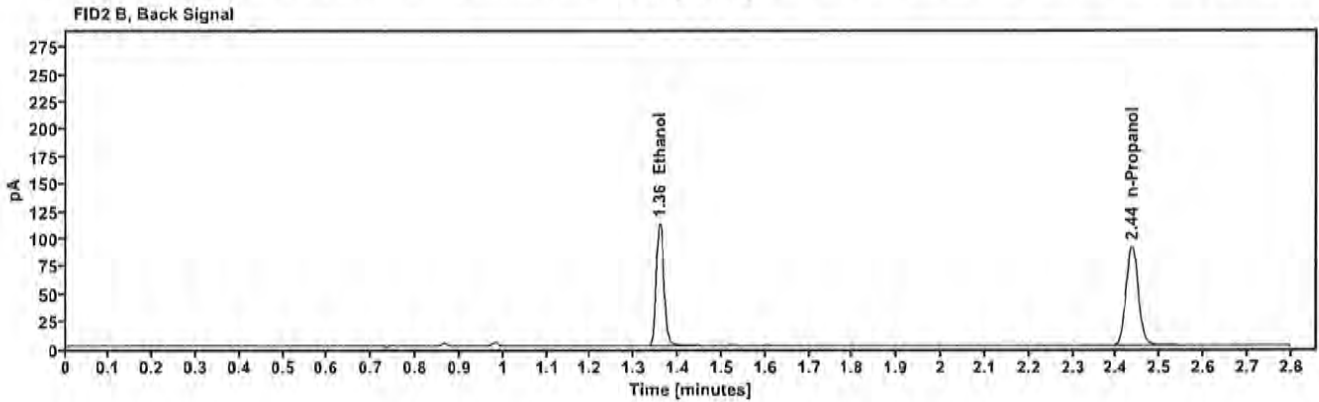
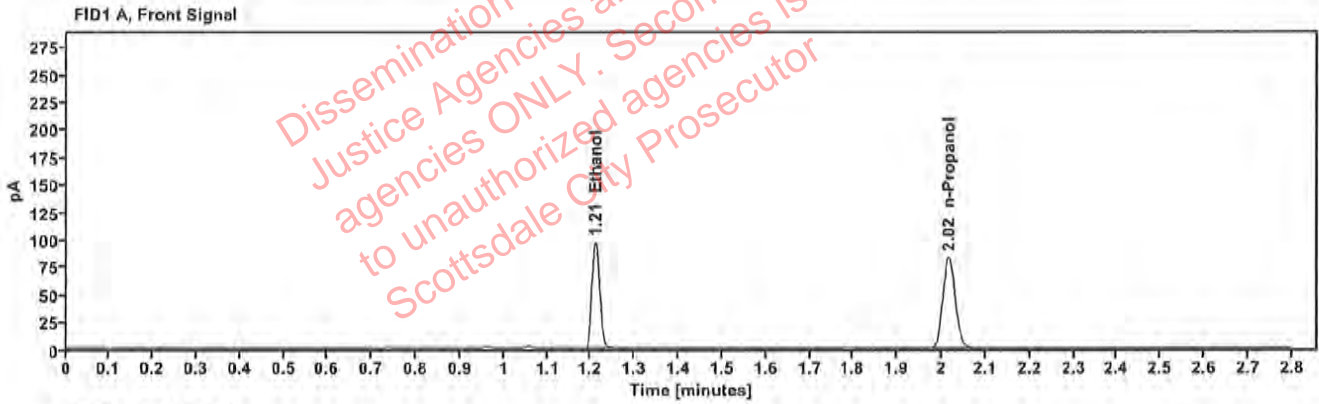


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1955	1.210	123.985
n-Propanol	-----	2.016	165.703

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

Compound	Time (min)	Peak Area
Ethanol	1.358	135.593
n-Propanol	2.436	179.707

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	415-01K.B.	Vial:	34
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:42:21 PM
Data file:	C:\Chem32\1\Data\19Apr23\34.D	Analyst:	Canonico

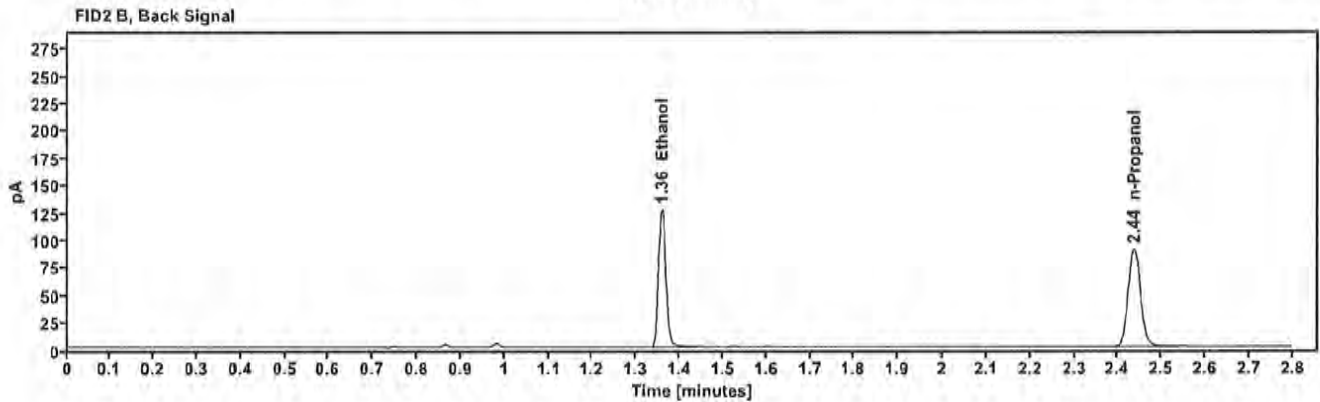
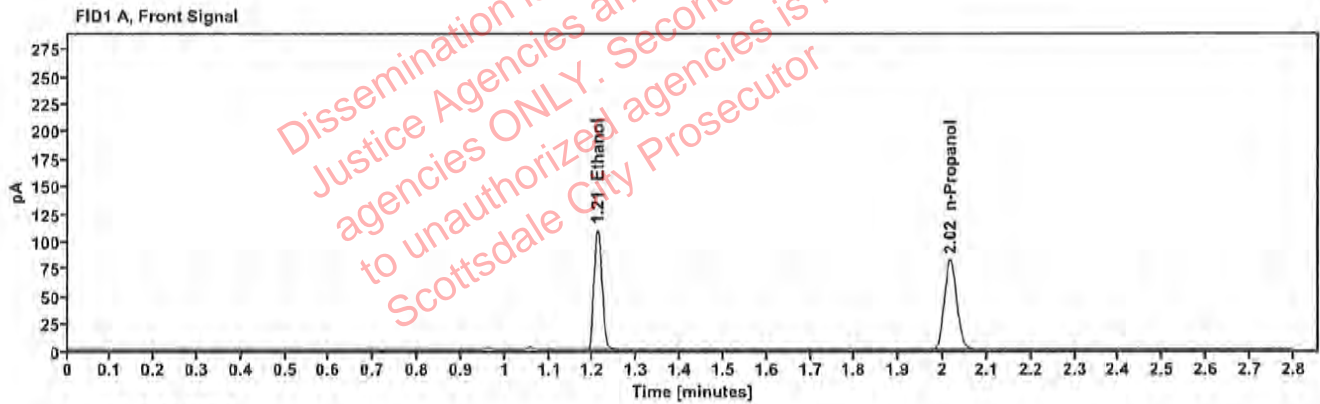


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2235	1.211	139.914
n-Propanol	-----	2.017	163.394

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

Compound	Time (min)	Peak Area
Ethanol	1.359	152.836
n-Propanol	2.436	177.325

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	415-01K.B.	Vial:	35
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:46:21 PM
Data file:	C:\Chem32\1\Data\19Apr23\35.D	Analyst:	Canonico

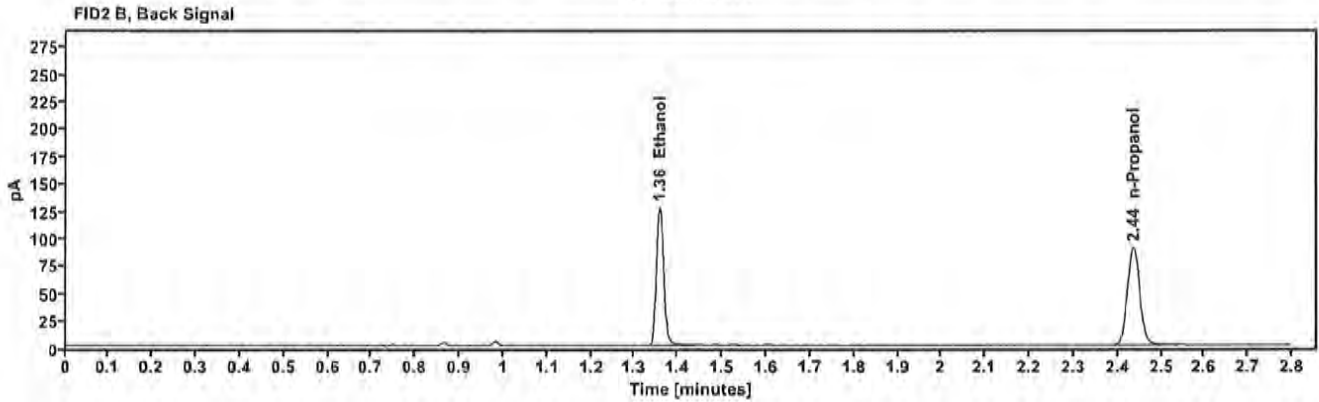
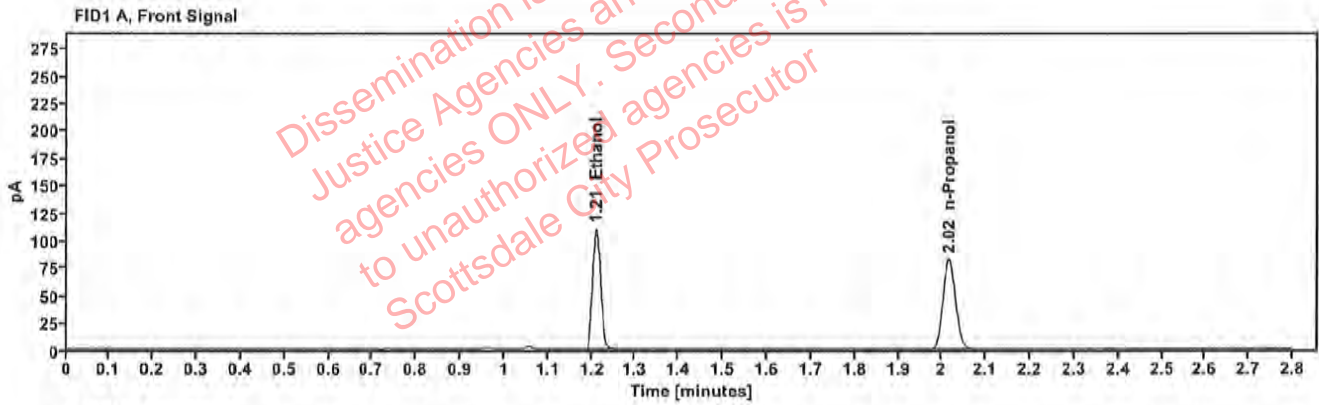


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2237	1.210	140.282
n-Propanol	---	2.016	163.681

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

Compound	Time (min)	Peak Area
Ethanol	1.357	153.276
n-Propanol	2.435	177.686

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307349-2	Vial:	36
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:50:21 PM
Data file:	C:\Chem32\1\Data\19Apr23\36.D	Analyst:	Canonico

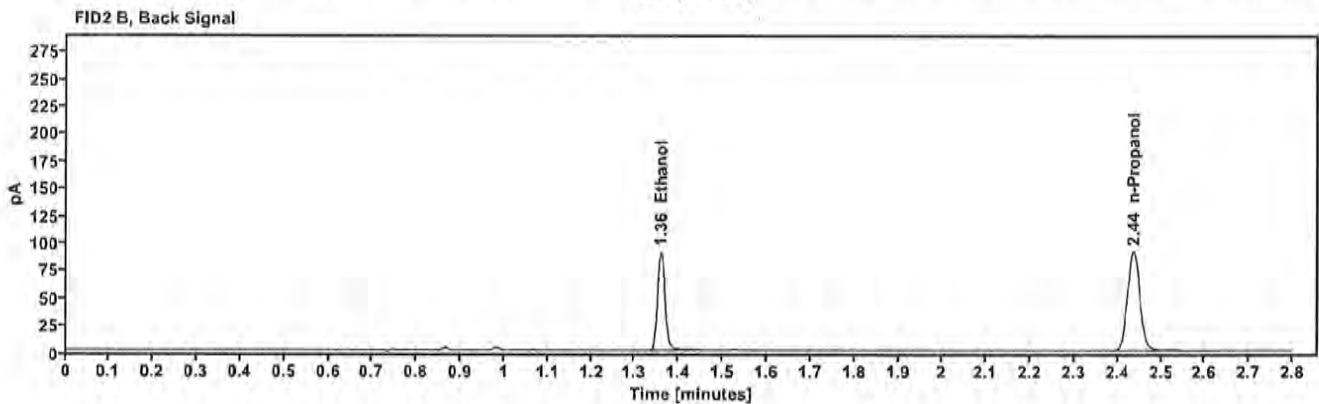
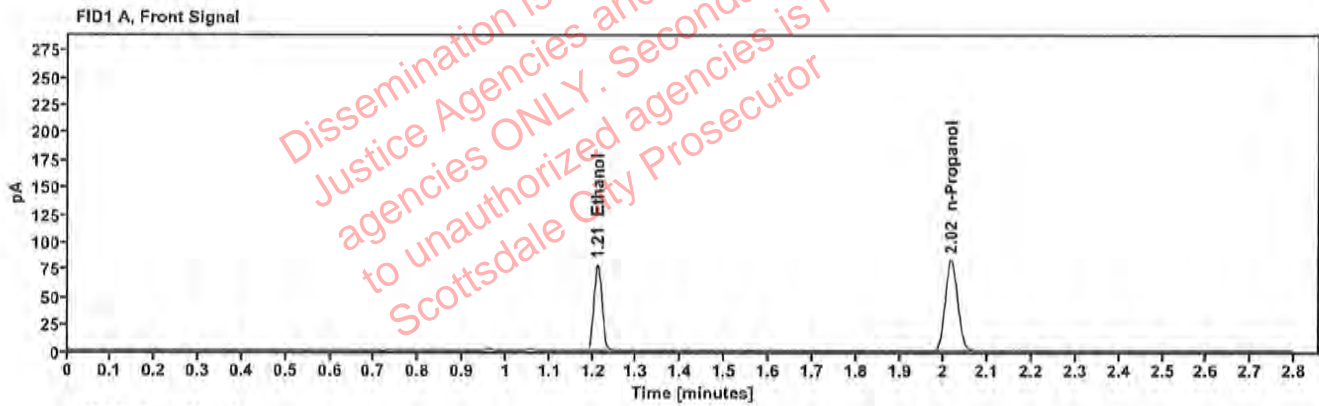


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1583	1.211	100.636
n-Propanol	—	2.016	166.285

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

Compound	Time (min)	Peak Area
Ethanol	1.359	109.708
n-Propanol	2.436	180.382

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307349-2	Vial:	37
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:54:36 PM
Data file:	C:\Chem32\1\Data\19Apr23\37.D	Analyst:	Canonico

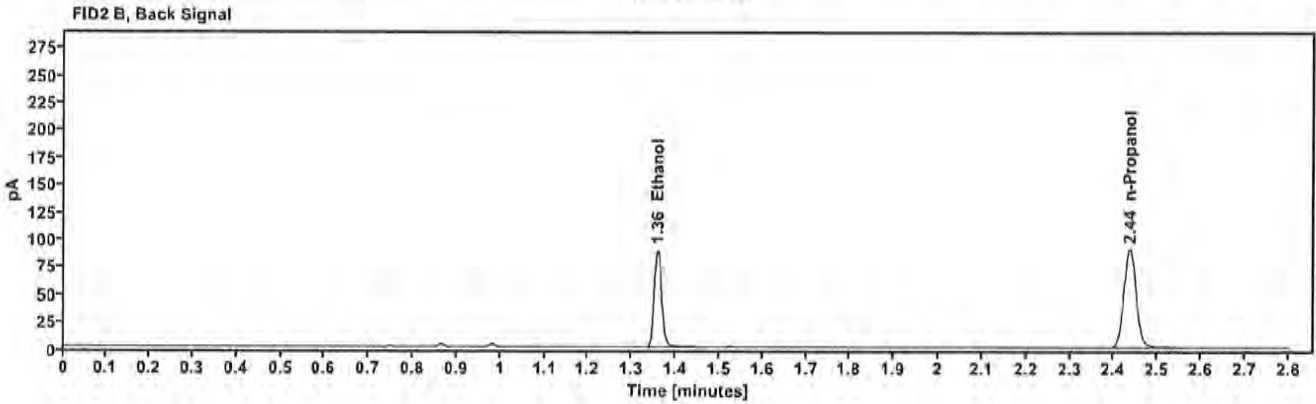
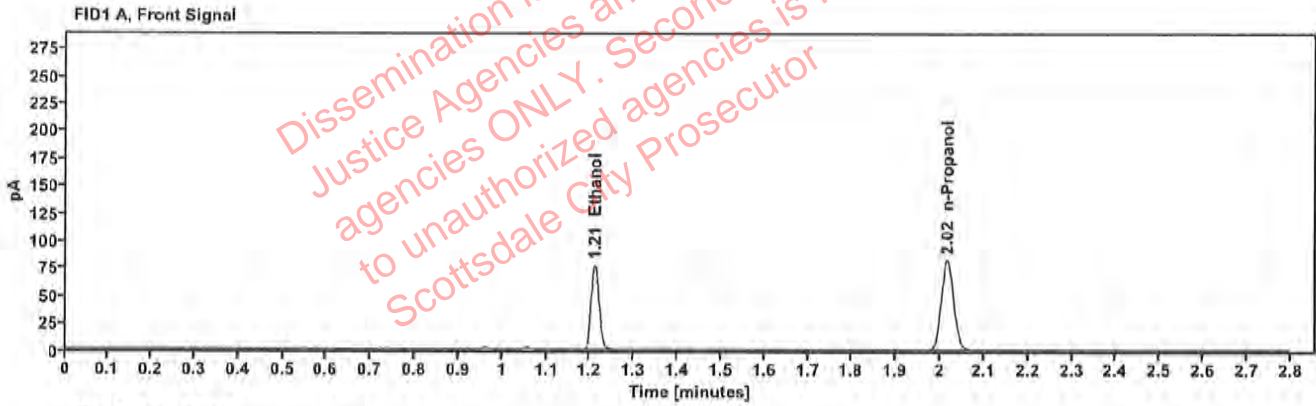


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1573	1.210	98.976
n-Propanol	-----	2.016	164.615

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

Compound	Time (min)	Peak Area
Ethanol	1.358	107.842
n-Propanol	2.436	178.386

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307707-2	Vial:	38
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 12:58:35 PM
Data file:	C:\Chem32\1\Data\19Apr23\38.D	Analyst:	Canonico

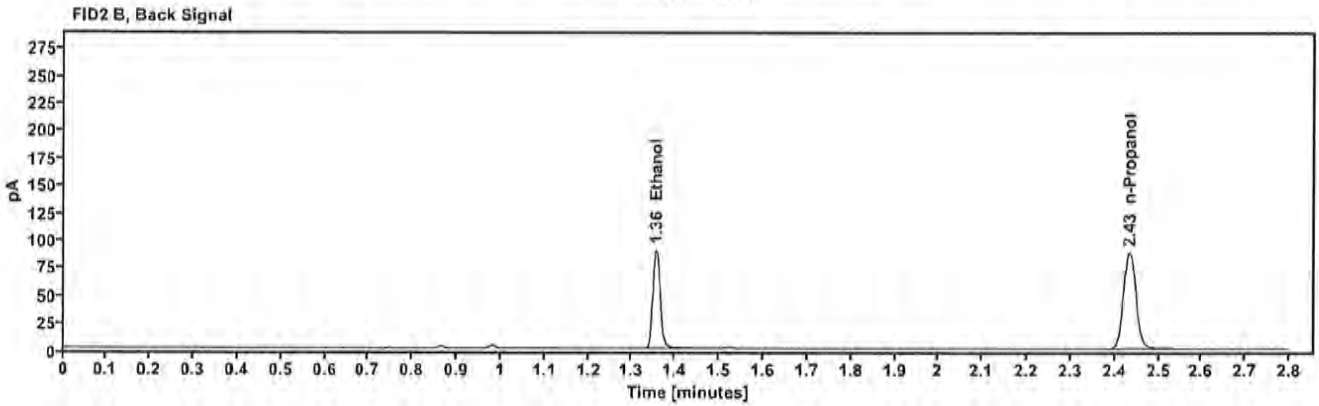
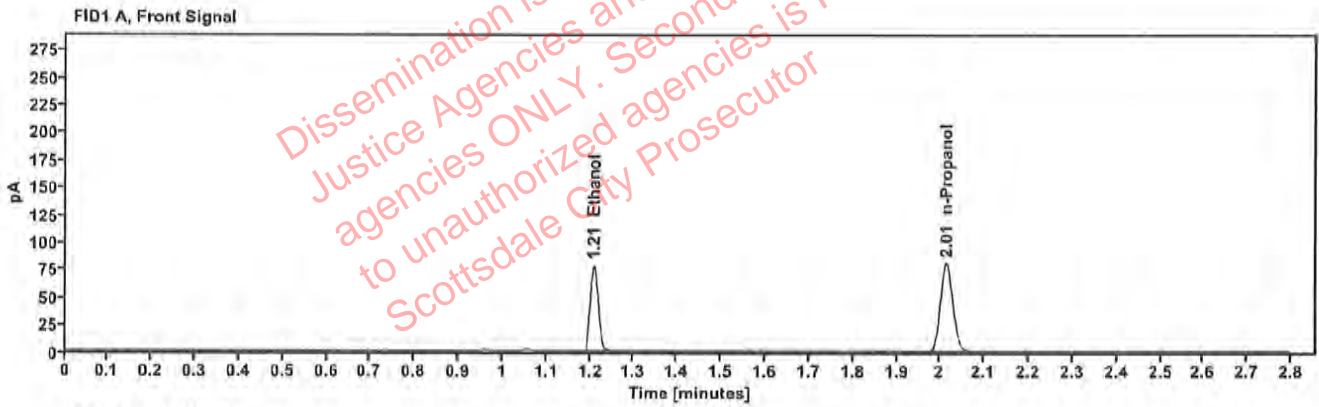


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1613	1.209	99.183
n-Propanol	—	2.014	160.786

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

Compound	Time (min)	Peak Area
Ethanol	1.355	108.197
n-Propanol	2.433	174.437

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307707-2	Vial:	39
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 1:02:36 PM
Data file:	C:\Chem32\1\Data\19Apr23\39.D	Analyst:	Canonico

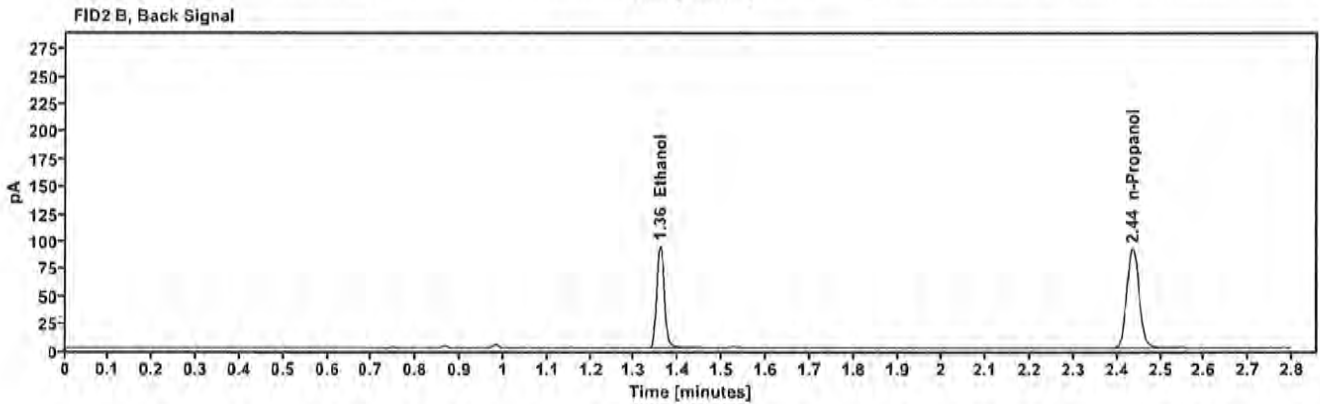
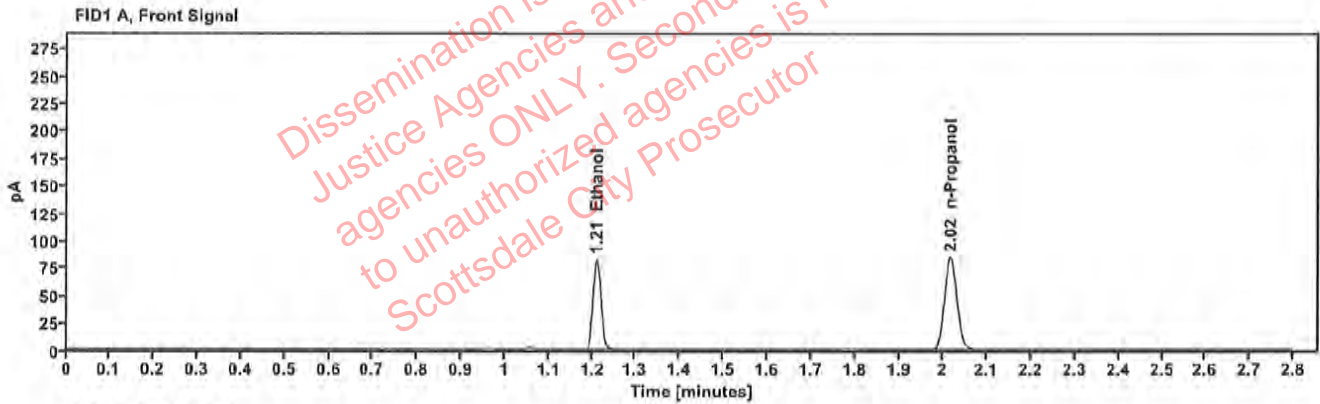


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1634	1.210	104.601
n-Propanol	---	2.016	167.402

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

Compound	Time (min)	Peak Area
Ethanol	1.358	113.918
n-Propanol	2.436	181.433

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307547-2	Vial:	40
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 1:06:36 PM
Data file:	C:\Chem32\1\Data\19Apr23\40.D	Analyst:	Canonico

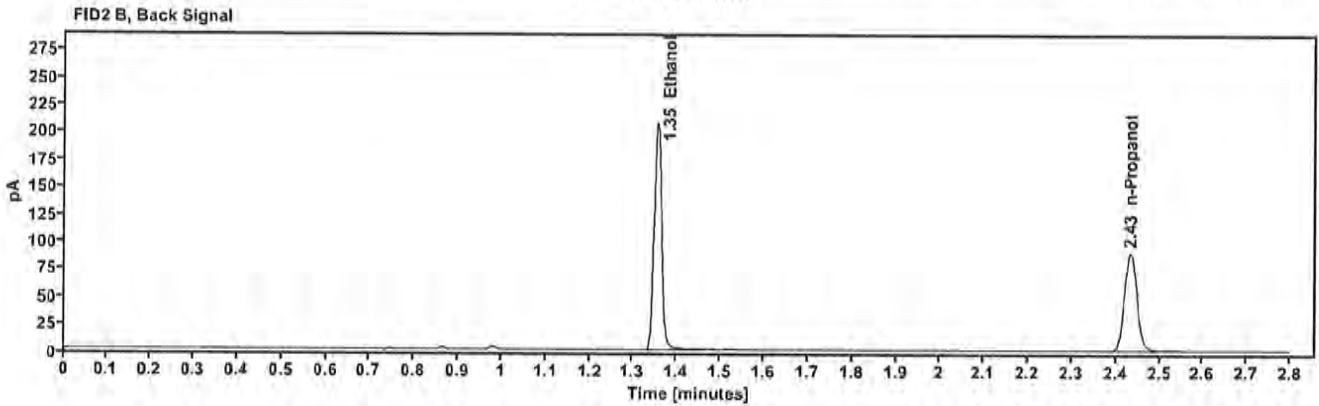
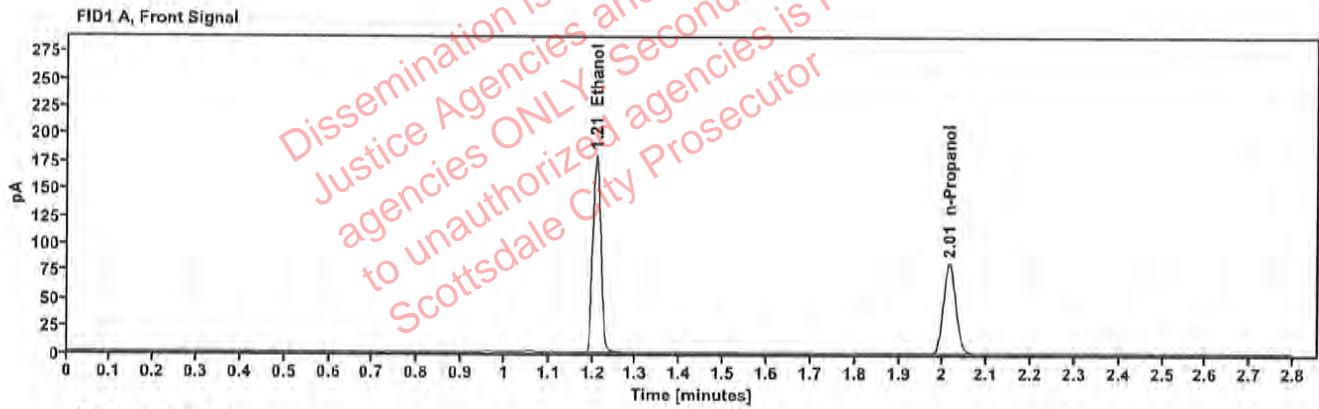


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3623	1.208	227.491
n-Propanol	---	2.014	163.628

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

Compound	Time (min)	Peak Area
Ethanol	1.355	249.668
n-Propanol	2.433	177.569

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2307547-2	Vial:	41
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Apr23
Instrument:	US14173023 CN14160045	Injection date:	4/19/2023 1:10:35 PM
Data file:	C:\Chem32\1\Data\19Apr23\41.D	Analyst:	Canonico

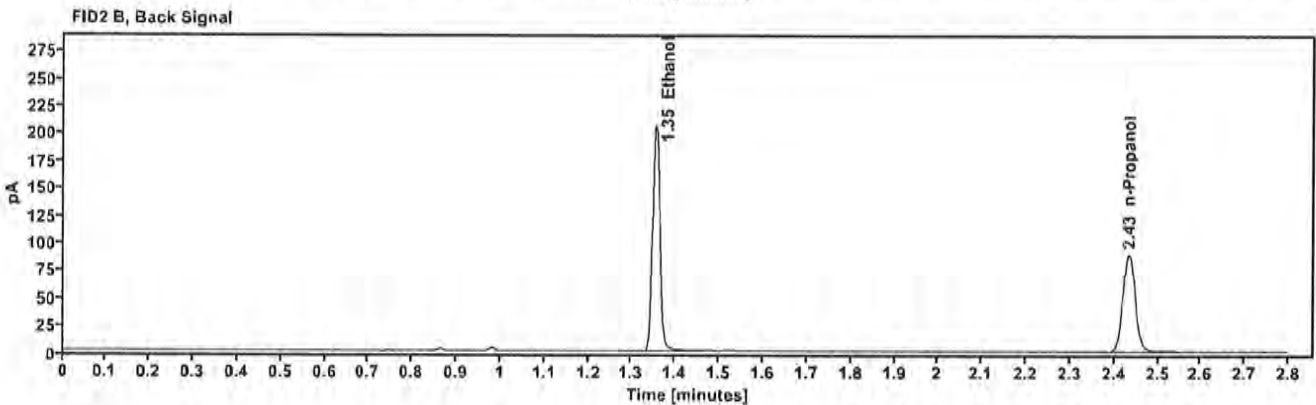
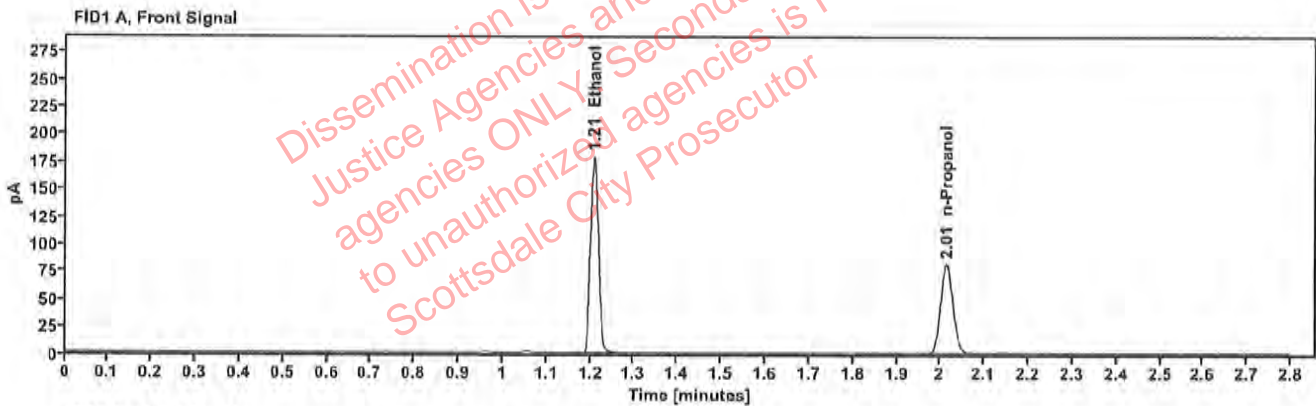


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3629	1.208	225.861
n-Propanol	---	2.014	162.194

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

Compound	Time (min)	Peak Area
Ethanol	1.355	247.882
n-Propanol	2.433	175.992