

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 01/25/2023 SEQUENCE NAME 25Jan23

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 0.99986
 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 122022AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.396 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.396 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/8
45	Blank	Not detected	Not detected	SPD lab 101921WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Erika Camarico Analyst
 Run valid Run invalid Ashi Abbott Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

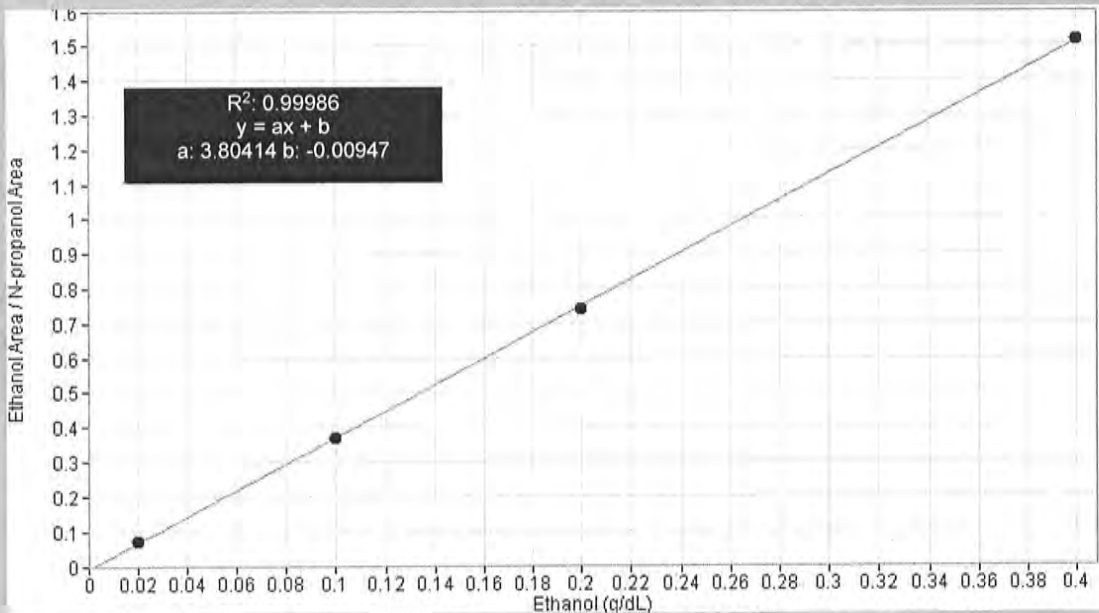
SEQUENCE NAME: 25Jan23

ANALYST: Canonico ee

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 122022AQ	5	negative	negative	-	-
0.400 30012020-A	7	0.396	0.400	1.00	-0.004
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/8	9	0.203	0.199	2.01	0.004
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.080	0.080	0.00	0.000
0.400 30012020-A	42	0.396	0.400	1.00	-0.004
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 4110320133/8	44	0.201	0.199	1.01	0.002
blank 101921VB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.884	162.397	0.073
0.100	59.730	161.905	0.369
0.200	121.732	164.080	0.742
0.400	248.550	163.834	1.517

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1
Description: 0.020 calibrator	Sequence: 25Jan23
Method: ethanol quant.M	Injection date: 1/25/2023 10:22:24 AM
Instrument: US14173023 CN14160045	Analyst: Canonico ec
Data file: C:\Chem32\1\Data\25Jan23\1.D	

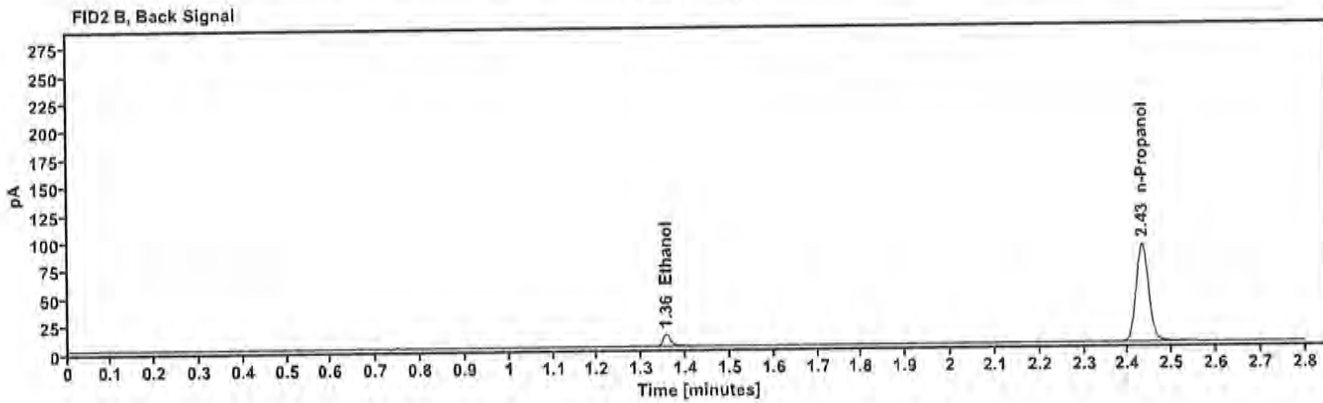
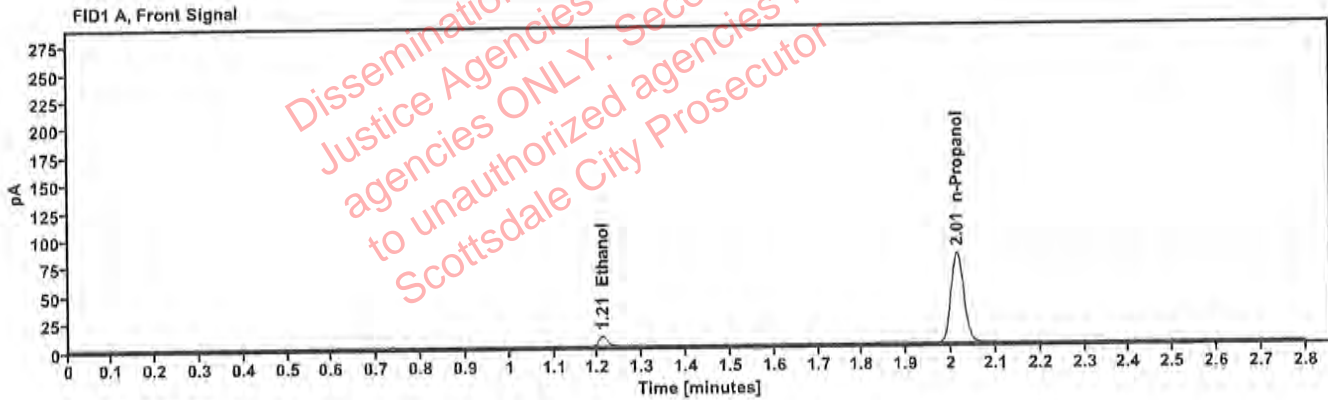


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	11.884
n-Propanol	2.013	162.397

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

Compound	Time (min)	Peak Area
Ethanol	1.356	12.882
n-Propanol	2.432	176.136

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	25Jan23
Method:	ethanol quant.M	Injection date:	1/25/2023 10:26:25 AM
Instrument:	US14173023 CN14160045	Analyst:	Canonico EC
Data file:	C:\Chem32\1\Data\25Jan23\2.D		

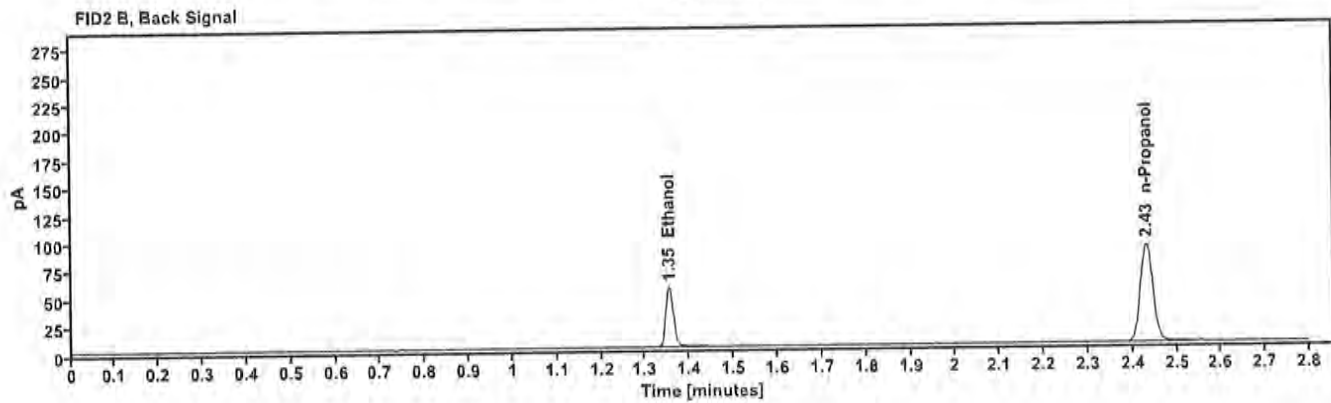
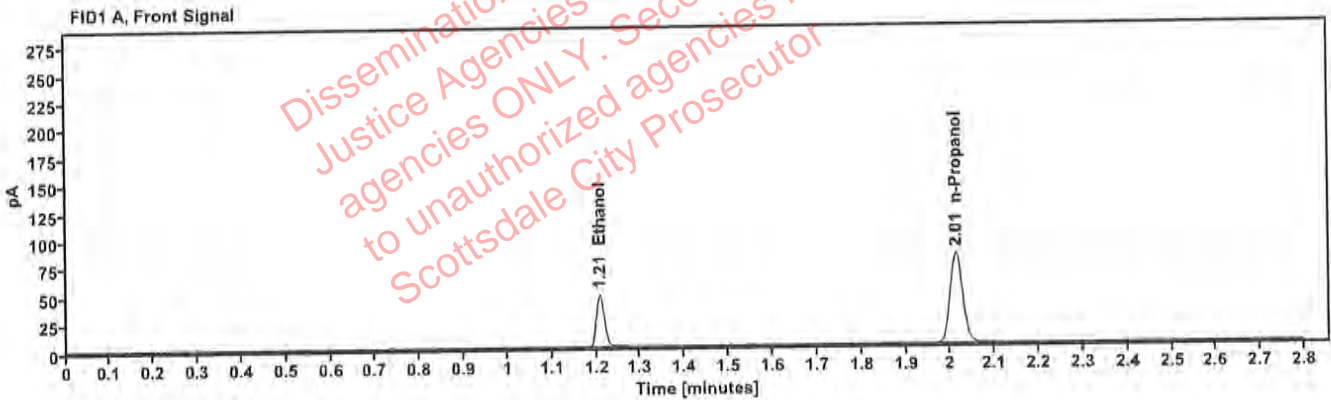


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	59.730
n-Propanol	2.013	161.905

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

Compound	Time (min)	Peak Area
Ethanol	1.354	65.199
n-Propanol	2.432	175.499

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02052101	Vial: 3
Description: 0.200 calibrator	Sequence: 25Jan23
Method: ethanol quant.M	Injection date: 1/25/2023 10:30:25 AM
Instrument: US14173023 CN14180045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\25Jan23\3.D	

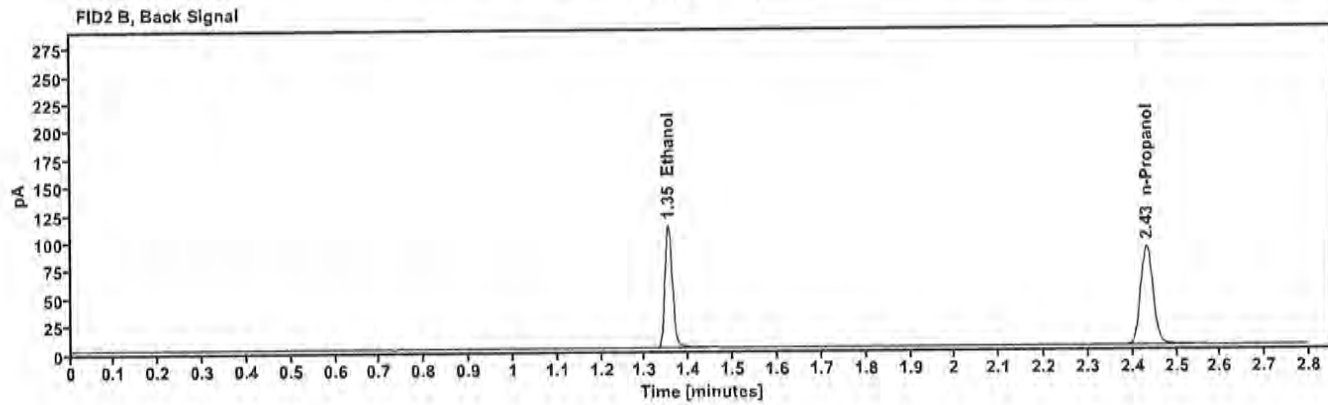
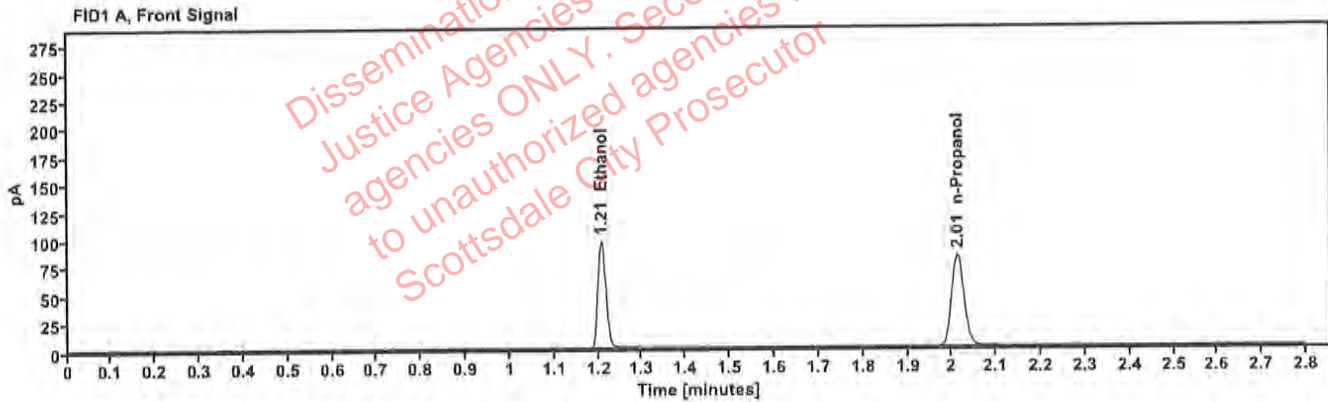


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	121.732
n-Propanol	2.013	164.080

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

Compound	Time (min)	Peak Area
Ethanol	1.353	133.084
n-Propanol	2.432	177.795

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 25Jan23
Method: ethanol quant.M	Injection date: 1/25/2023 10:34:25 AM
Instrument: US14173023 CN14160045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\25Jan23\4.D	

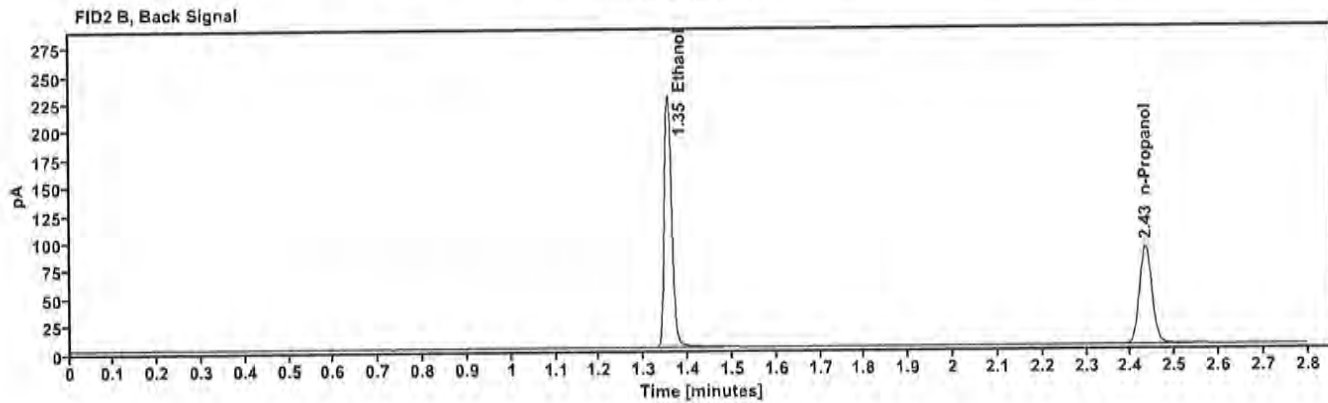
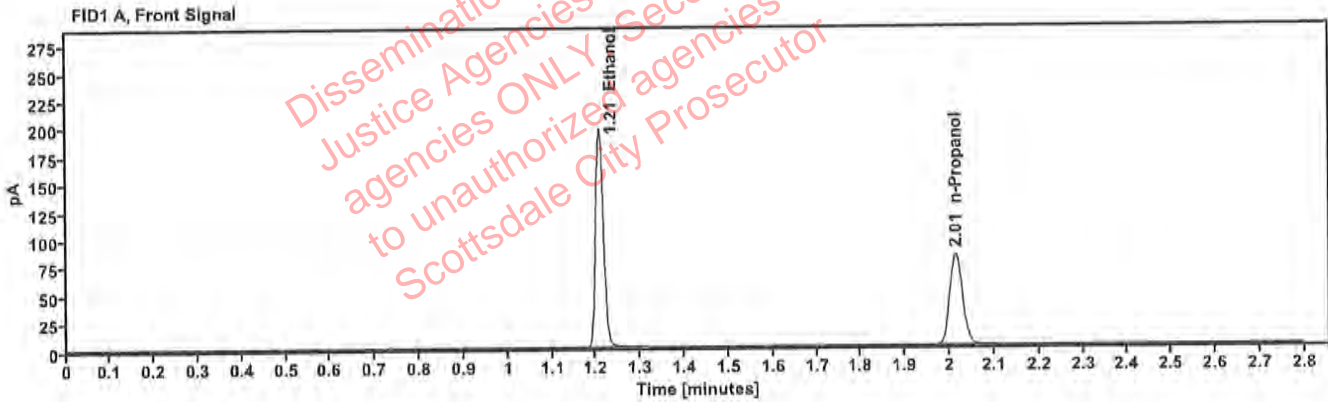


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	248.550
n-Propanol	2.014	163.834

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

Compound	Time (min)	Peak Area
Ethanol	1.355	272.955
n-Propanol	2.433	177.388

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 122022AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 10:38:24 AM
Data file: C:\Chem32\1\Data\25Jan23\5.D	Analyst: Canonico FC

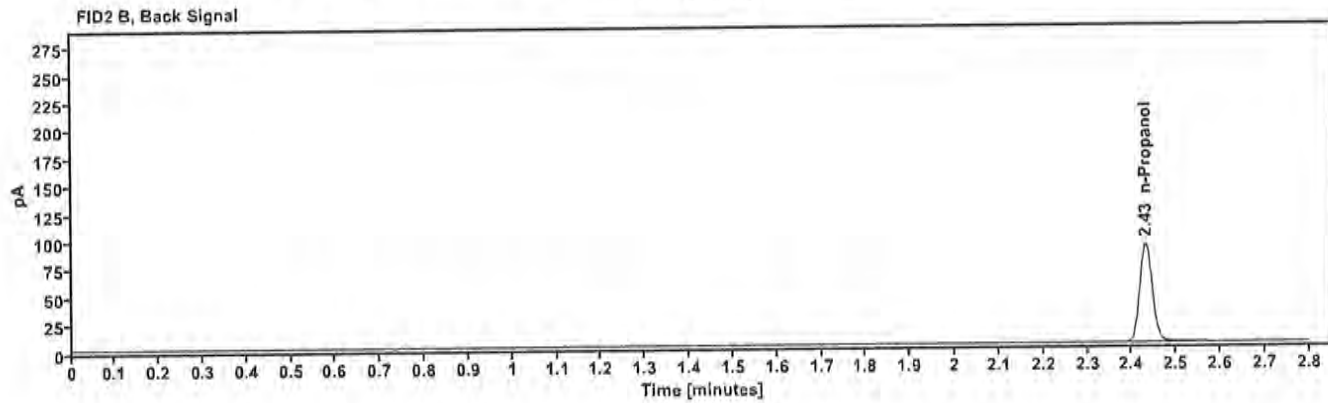
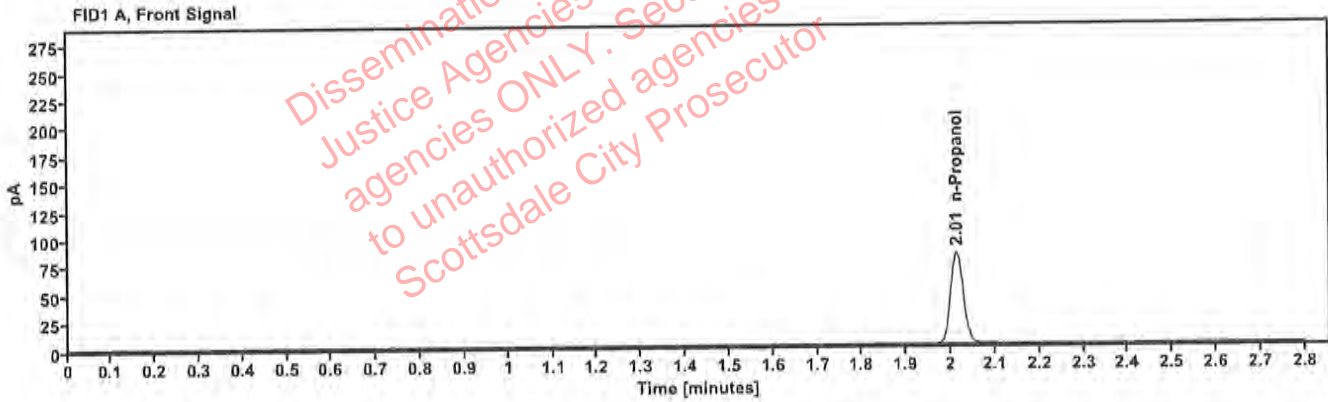


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.013	164.424

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	178.047

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 10:42:25 AM
Data file: C:\Chem32\1\Data\25Jan23\6.D	Analyst: Canonico 80

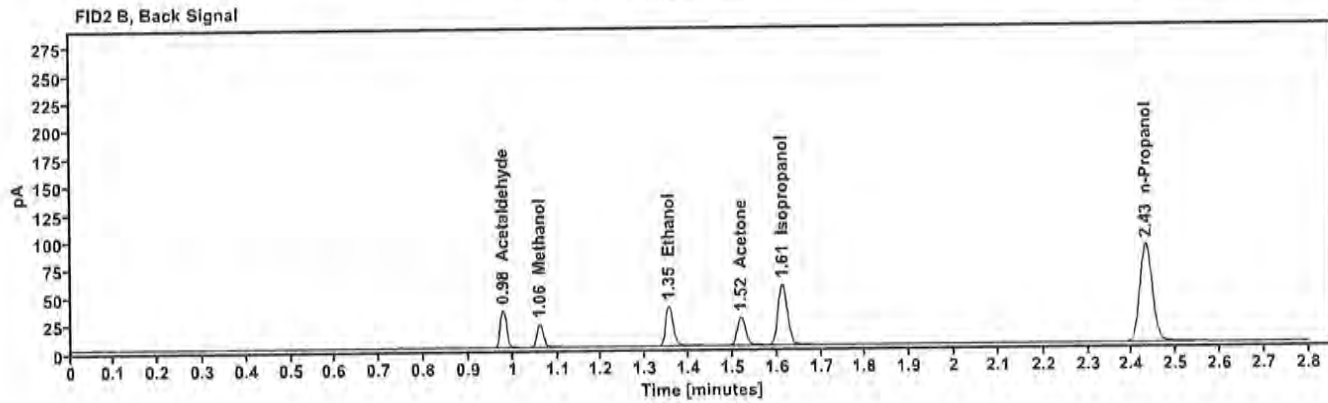
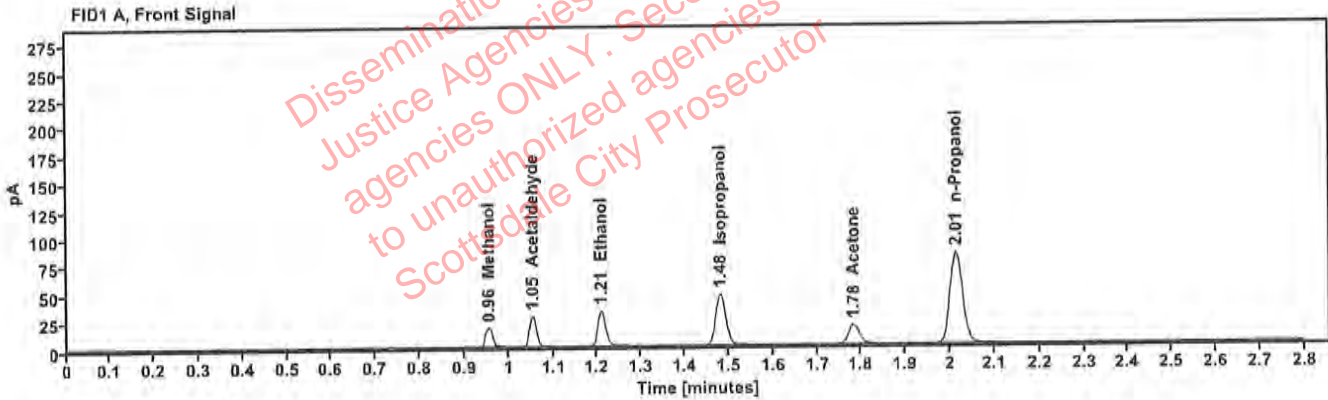


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.955	20.002
Acetaldehyde	-----	1.054	30.452
>Ethanol	0.0677	1.209	40.550
Isopropanol	-----	1.481	73.842
Acetone	-----	1.782	30.597
n-Propanol	-----	2.013	163.506

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	34.094
Methanol	1.060	22.020
Ethanol	1.354	44.075
Acetone	1.519	33.553
Isopropanol	1.612	81.676
n-Propanol	2.432	177.109

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 10:46:39 AM
Data file: C:\Chem321\Data\25Jan23\7.D	Analyst: Canonico 80

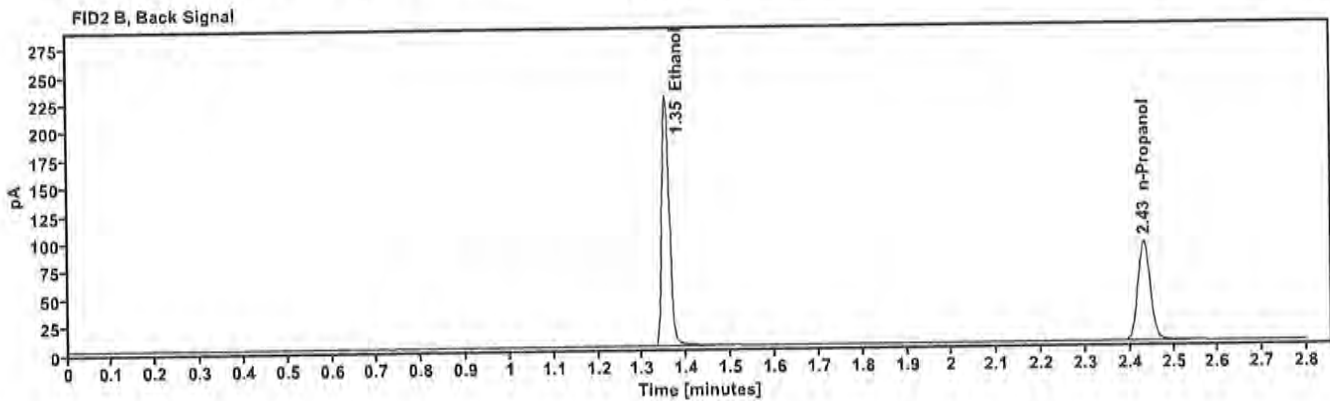
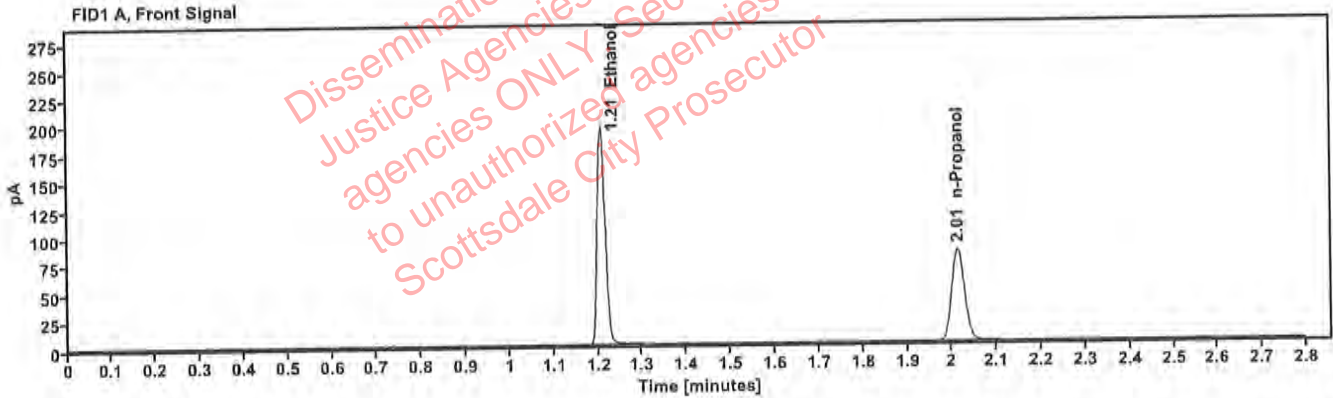


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3964	1.207	247.753
n-Propanol	—	2.013	165.338

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

Compound	Time (min)	Peak Area
Ethanol	1.353	271.685
n-Propanol	2.432	178.934

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 10:50:40 AM
Data file: C:\Chem32\1\Data\25Jan23\8.D	Analyst: Canonico <i>EC</i>

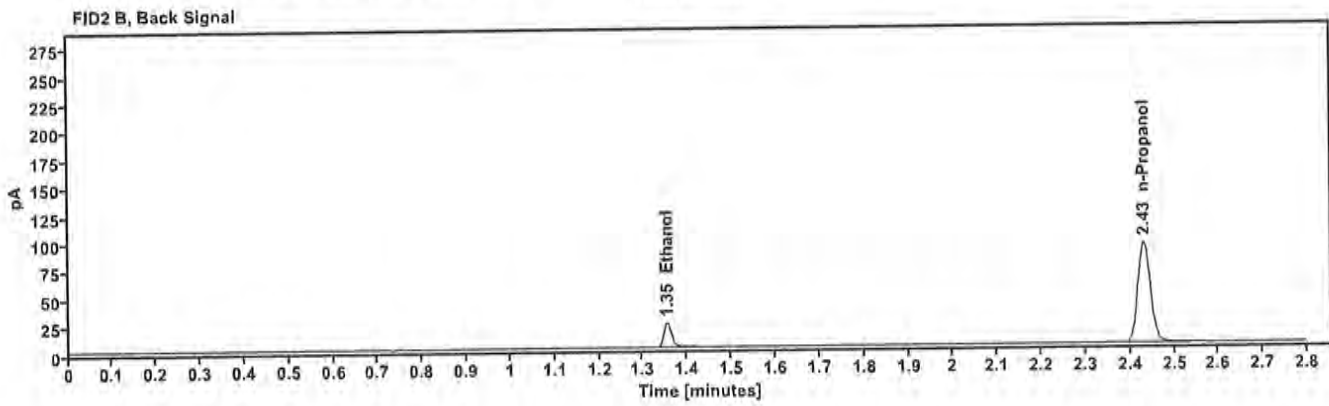
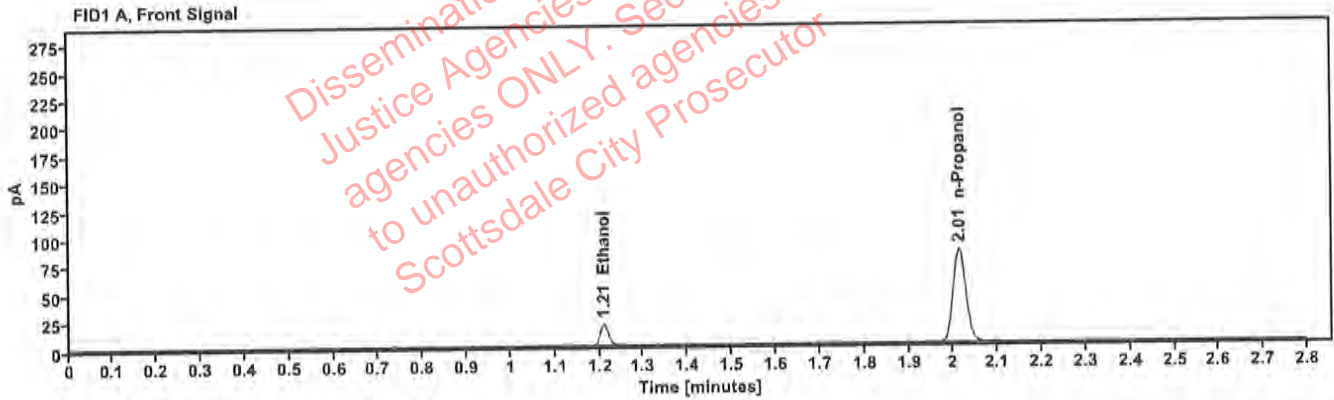


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0416	1.209	24.920
n-Propanol	—	2.013	167.546

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

Compound	Time (min)	Peak Area
Ethanol	1.355	27.040
n-Propanol	2.432	181.389

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/8	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 10:54:39 AM
Data file: C:\Chem32\1\Data\25Jan23\9.D	Analyst: Canonico <i>FC</i>

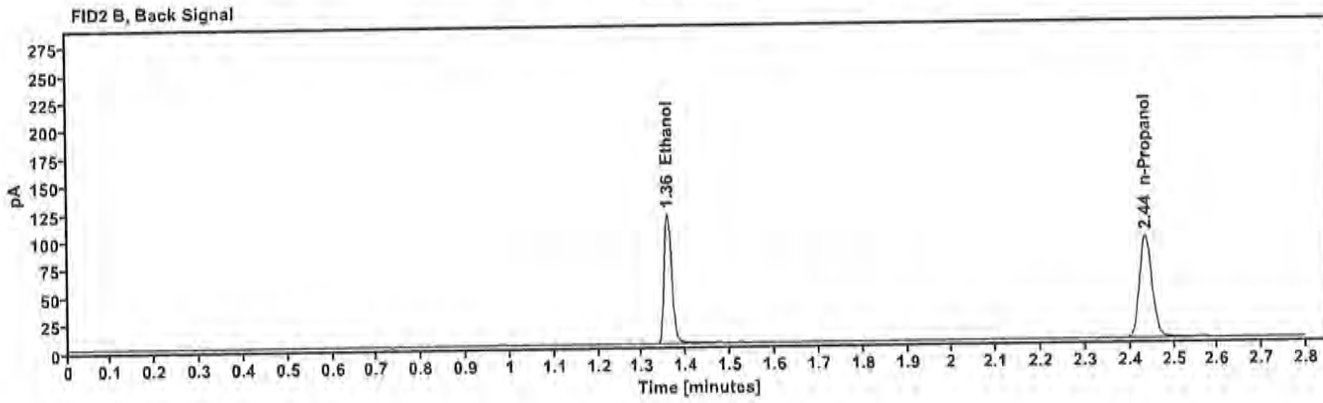
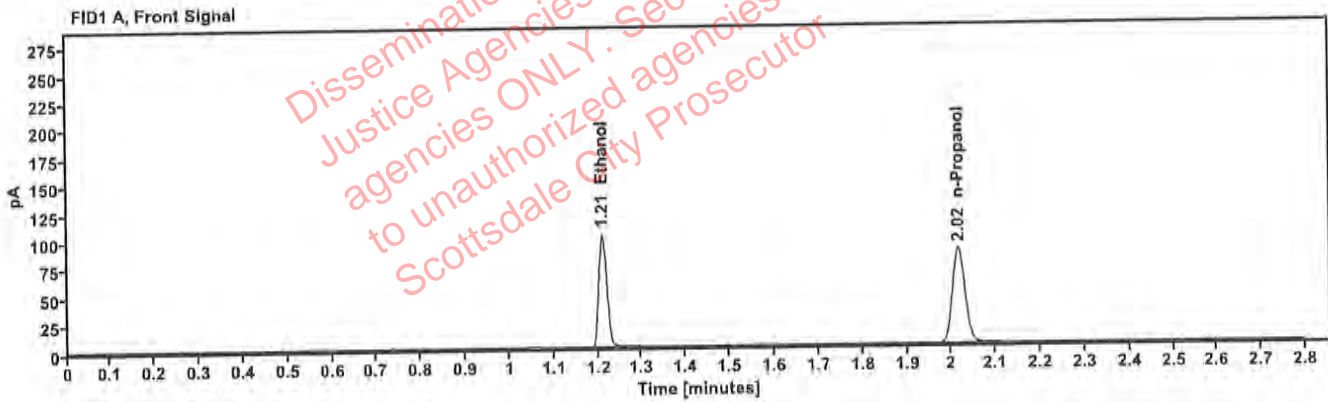


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2032	1.210	130.004
n-Propanol	—	2.016	170.257

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

Compound	Time (min)	Peak Area
Ethanol	1.358	142.413
n-Propanol	2.436	184.252

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 11:39:09 AM
Data file: C:\Chem32\1\Data\25Jan23\20.D	Analyst: Canonico <i>EC</i>

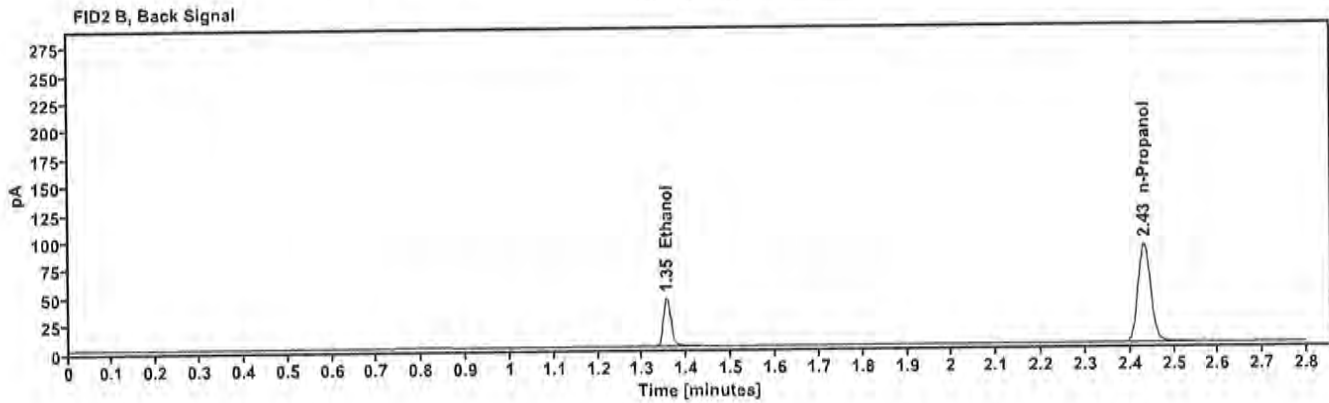
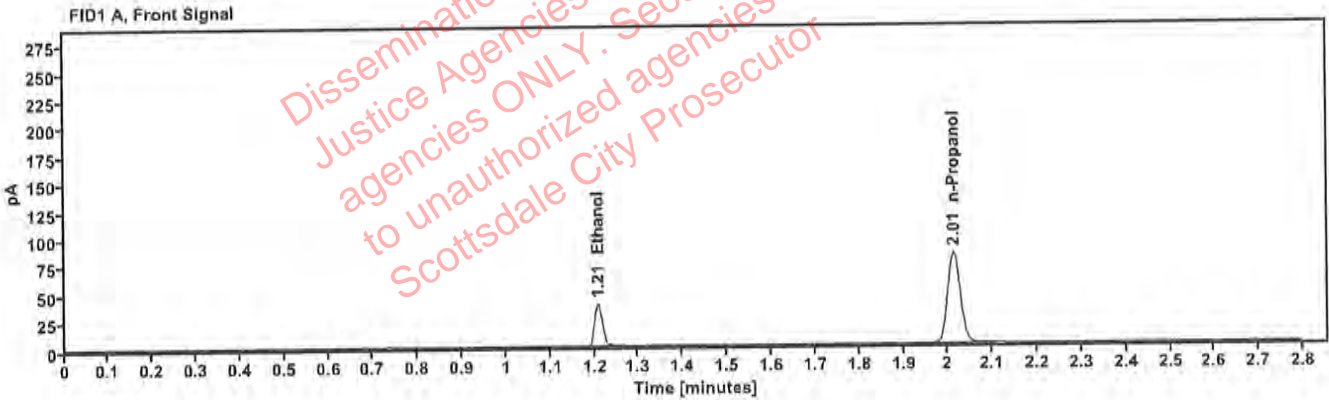


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.208	48.651
n-Propanol	—	2.013	163.776

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

Compound	Time (min)	Peak Area
Ethanol	1.354	52.885
n-Propanol	2.432	177.054

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 12:23:40 PM
Data file: C:\Chem32\1\Data\25Jan23\31.D	Analyst: Canonico <i>ec</i>

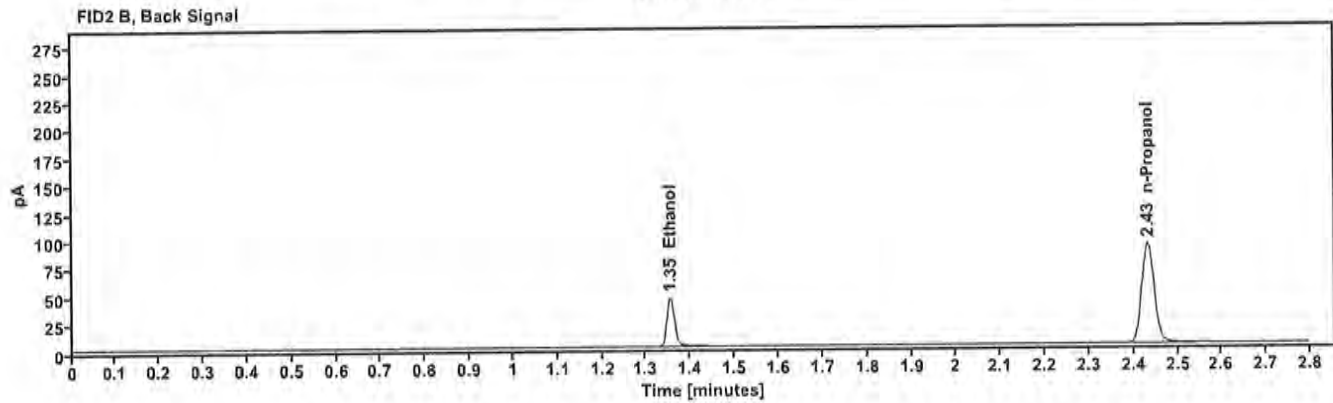
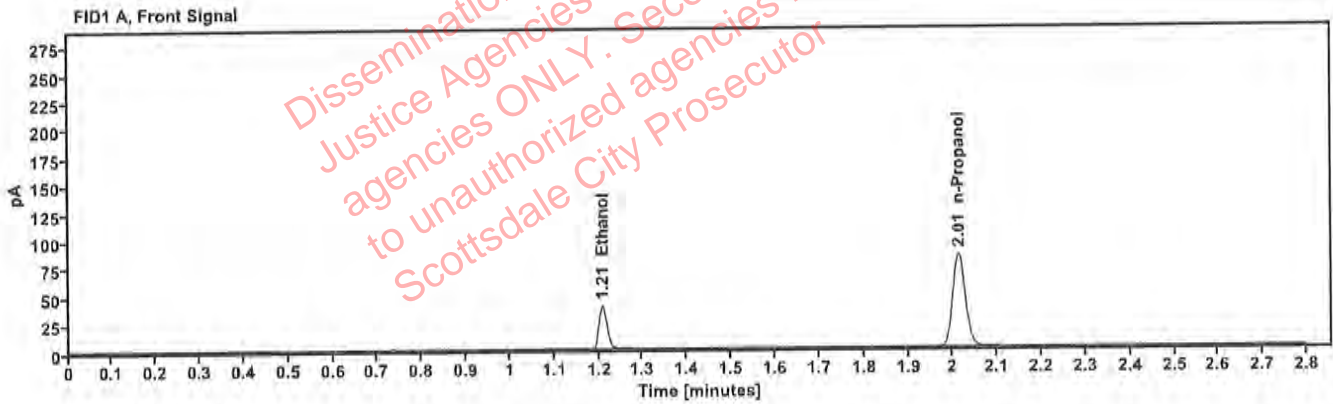


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.209	49.568
n-Propanol	—	2.013	166.609

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

Compound	Time (min)	Peak Area
Ethanol	1.354	53.914
n-Propanol	2.432	180.297

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 1:07:54 PM
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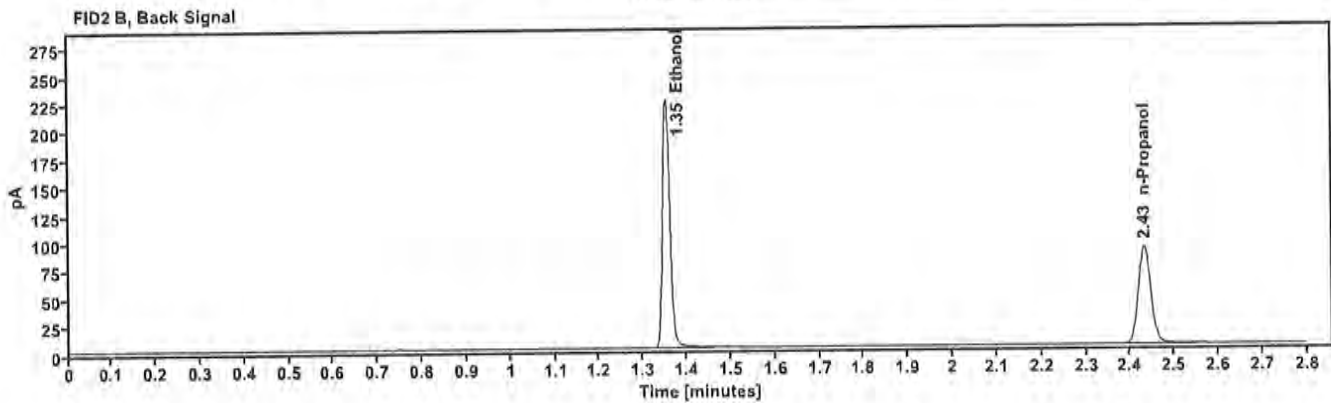
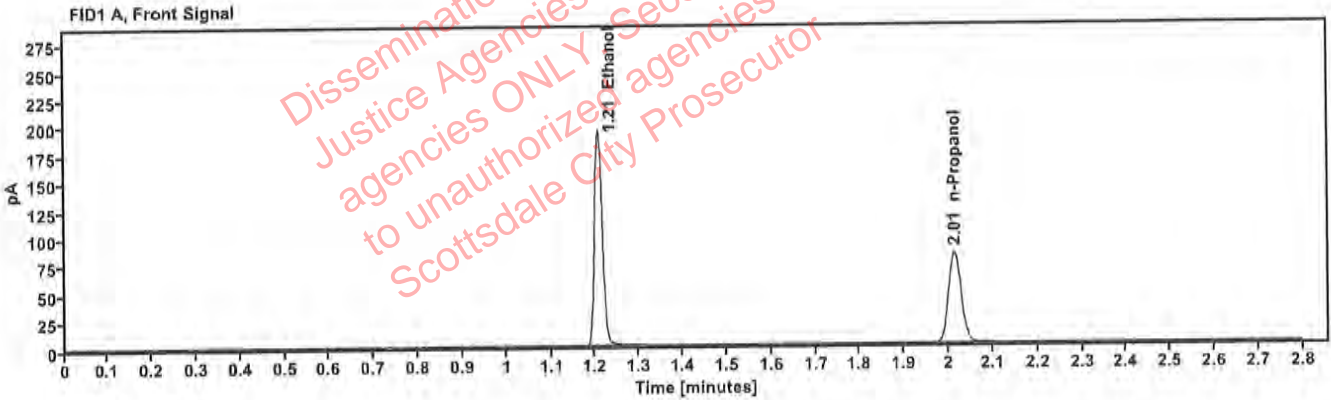


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3968	1.207	245.538
n-Propanol	—	2.013	163.709

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

Compound	Time (min)	Peak Area
Ethanol	1.353	269.143
n-Propanol	2.432	177.487

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 1:12:09 PM
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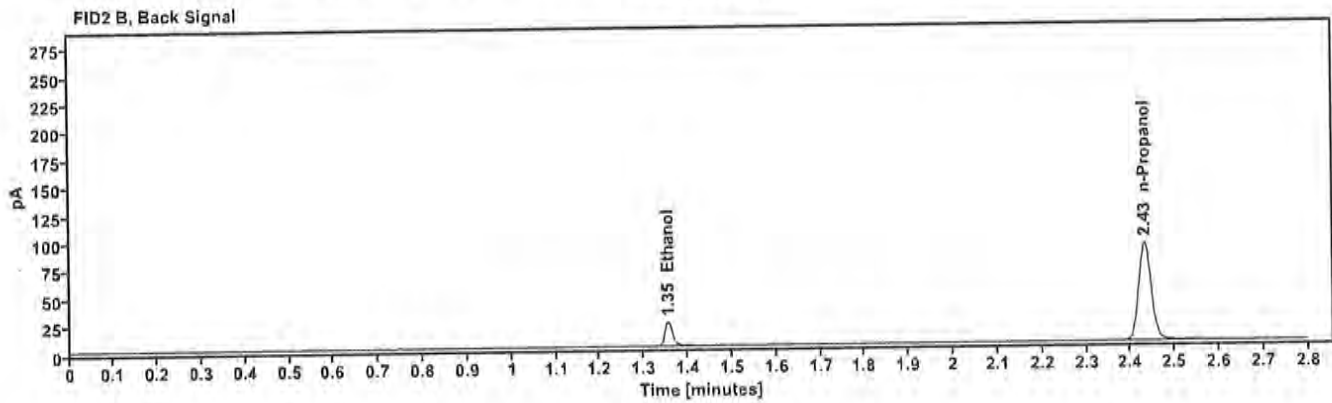
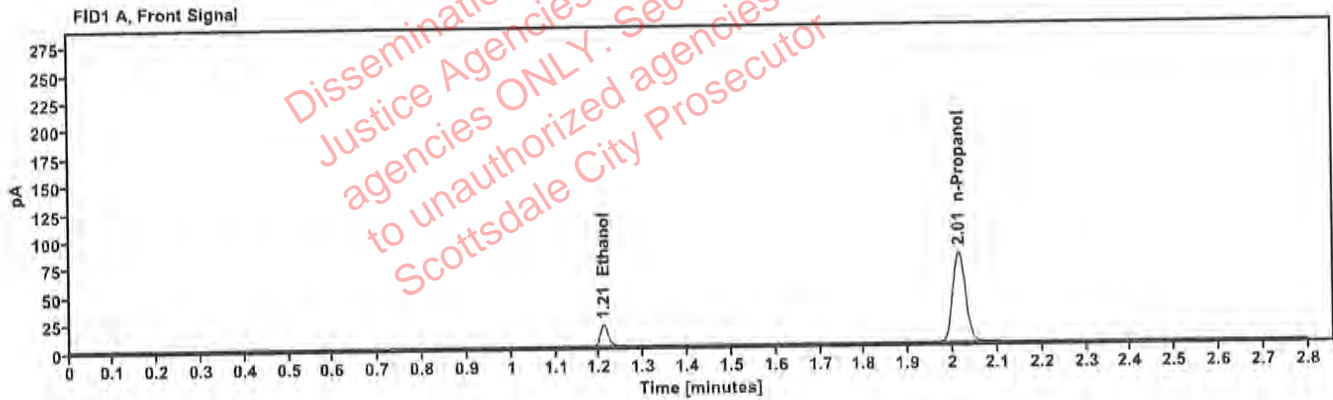


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0419	1.209	24.473
n-Propanol	—	2.013	163.186

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.542
n-Propanol	2.432	176.658

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/B	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 1:16:10 PM
Data file: C:\Chem32\1\Data\25Jan23\44.D	Analyst: Canonico <i>PC</i>

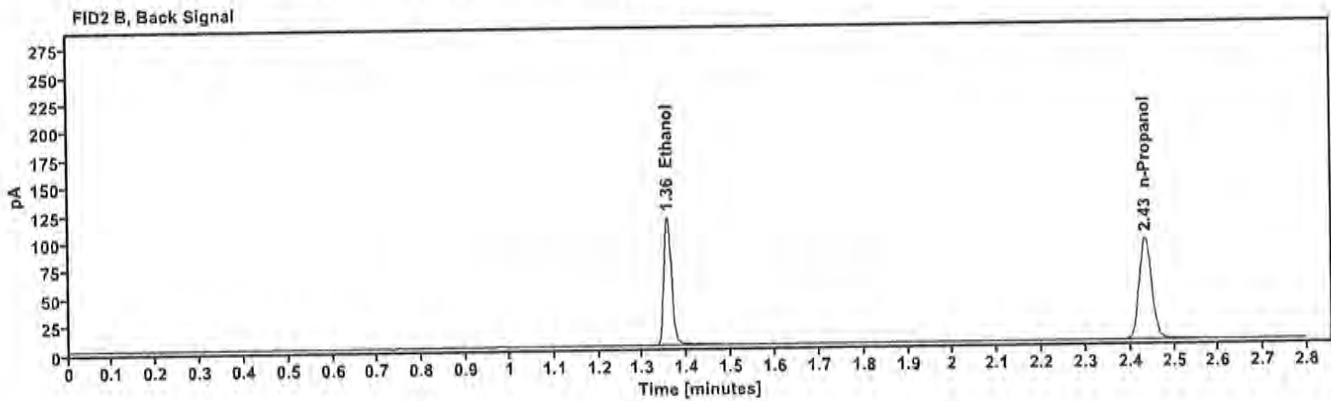
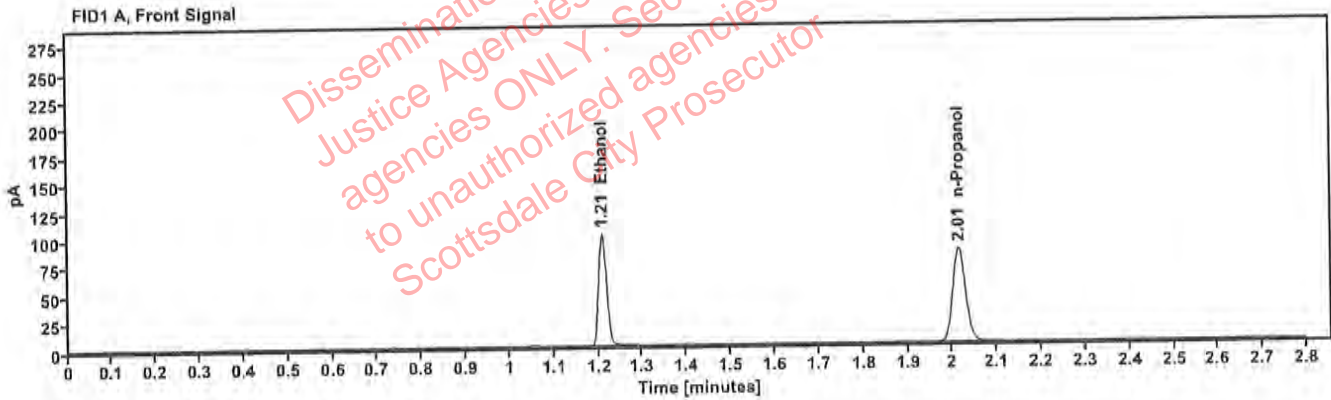


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2018	1.209	127.845
n-Propanol	—	2.015	168.595

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

Compound	Time (min)	Peak Area
Ethanol	1.356	140.126
n-Propanol	2.434	182.659

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 101921WB	Vial: 45
Description: Negative	LJMS ID:
Method: ethanol quant.M	Sequence: 25Jan23
Instrument: US14173023 CN14160045	Injection date: 1/25/2023 1:20:10 PM
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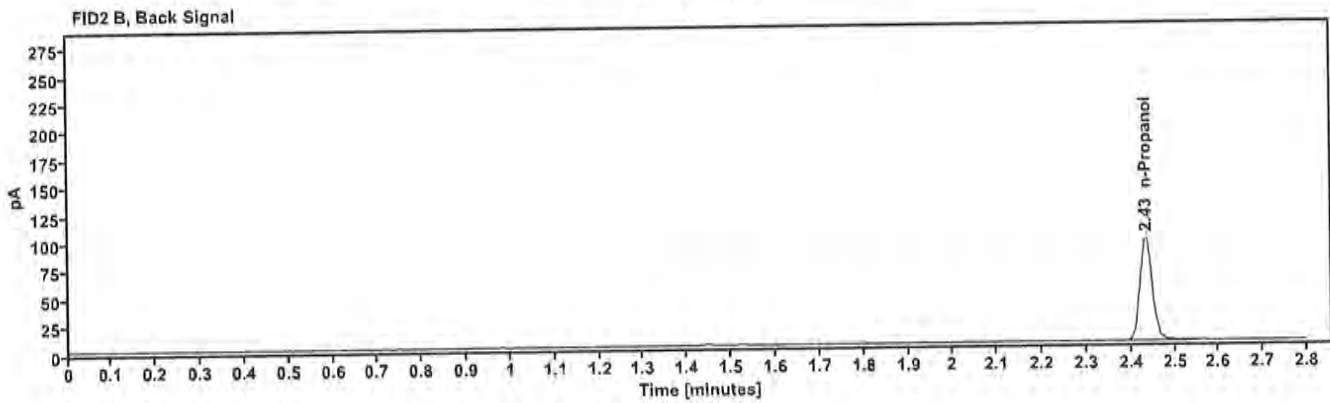
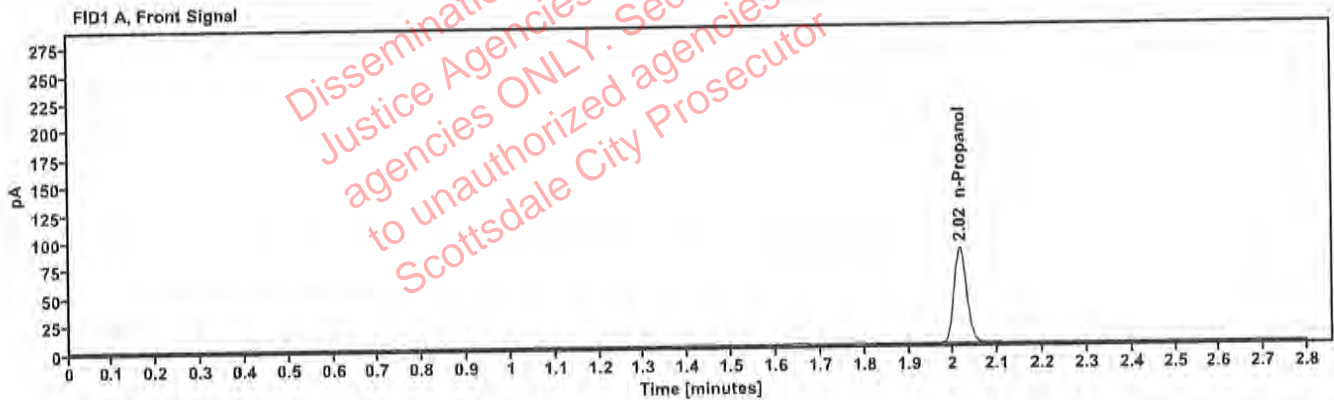


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.015	170.970

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	185.369

Sequence Summary

Sequence name: 25Jan23 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	122022AQ	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	4110320133/8	0.199	Control		ethanol quant.M
10	409-01H.P.		Sample		ethanol quant.M
11	409-01H.P.		Sample		ethanol quant.M
12	409-01G.E.		Sample		ethanol quant.M
13	409-01G.E.		Sample		ethanol quant.M
14	405-01J.J.		Sample		ethanol quant.M
15	405-01J.J.		Sample		ethanol quant.M
16	419-01Z.M.		Sample		ethanol quant.M
17	419-01Z.M.		Sample		ethanol quant.M
18	421-01J.S.		Sample		ethanol quant.M
19	421-01J.S.		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2300050-3		Sample		ethanol quant.M
22	2300050-3		Sample		ethanol quant.M
23	1435946		Sample		ethanol quant.M
24	1435946		Sample		ethanol quant.M
25	2301069-2		Sample		ethanol quant.M
26	2301069-2		Sample		ethanol quant.M
27	2300945-2		Sample		ethanol quant.M
28	2300945-2		Sample		ethanol quant.M
29	2300939-2		Sample		ethanol quant.M
30	2300939-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2300889-1		Sample		ethanol quant.M
33	2300889-1		Sample		ethanol quant.M
34	2300882-3		Sample		ethanol quant.M
35	2300882-3		Sample		ethanol quant.M
36	2300877-2		Sample		ethanol quant.M
37	2300877-2		Sample		ethanol quant.M
38	2300005-2		Sample		ethanol quant.M
39	2300005-2		Sample		ethanol quant.M
40	2300169-1		Sample		ethanol quant.M
41	2300169-1		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/8	0.199	Control		ethanol quant.M
45	101921WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 25Jan23

ANALYST: Canonico

82

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1373	0.1345	0.13590	1.03	0.00140
12 13	0.0992	0.1015	0.10035	1.15	0.00115
14 15	0.2611	0.2633	0.26220	0.42	0.00110
16 17	0.0000	0.0000	0.00000	0.00	0.00000
18 19	0.2520	0.2526	0.25230	0.12	0.00030
21 22	0.2103	0.2087	0.20950	0.38	0.00080
23 24	0.1245	0.1258	0.12515	0.52	0.00065
25 26	0.1474	0.1460	0.14670	0.48	0.00070
27 28	0.1773	0.1773	0.17730	0.00	0.00000
29 30	0.2823	0.2829	0.28260	0.11	0.00030
32 33	0.3066	0.3103	0.30845	0.60	0.00185
34 35	0.0000	0.0000	0.00000	0.00	0.00000
36 37	0.2728	0.2711	0.27195	0.31	0.00085
38 39	0.1000	0.1011	0.10055	0.55	0.00055
40 41	0.2472	0.2491	0.24815	0.38	0.00095

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01H.P.	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 10:58:40 AM
Data file:	C:\Chem32\1\Data\25Jan23\10.D	Analyst:	Canonico

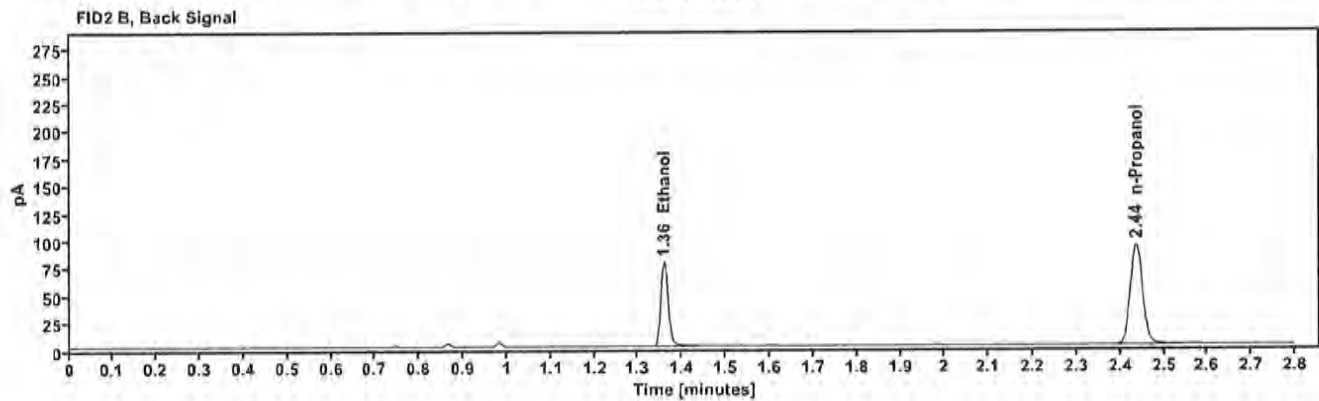
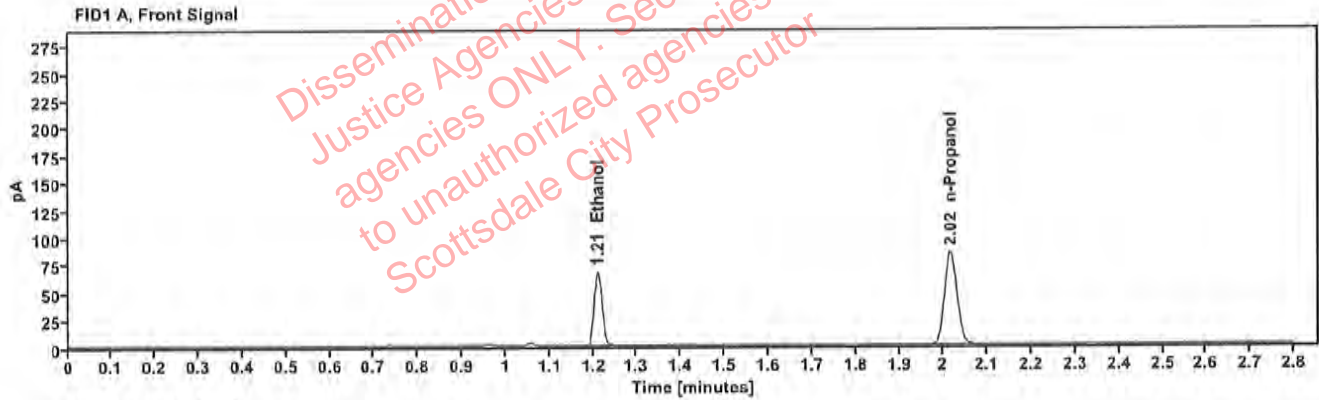


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1373	1.211	86.445
n-Propanol	-----	2.016	168.514

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

Compound	Time (min)	Peak Area
Ethanol	1.359	94.147
n-Propanol	2.436	182.283

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01H.P.	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:02:40 AM
Data file:	C:\Chem32\1\Data\25Jan23\11.D	Analyst:	Canonico

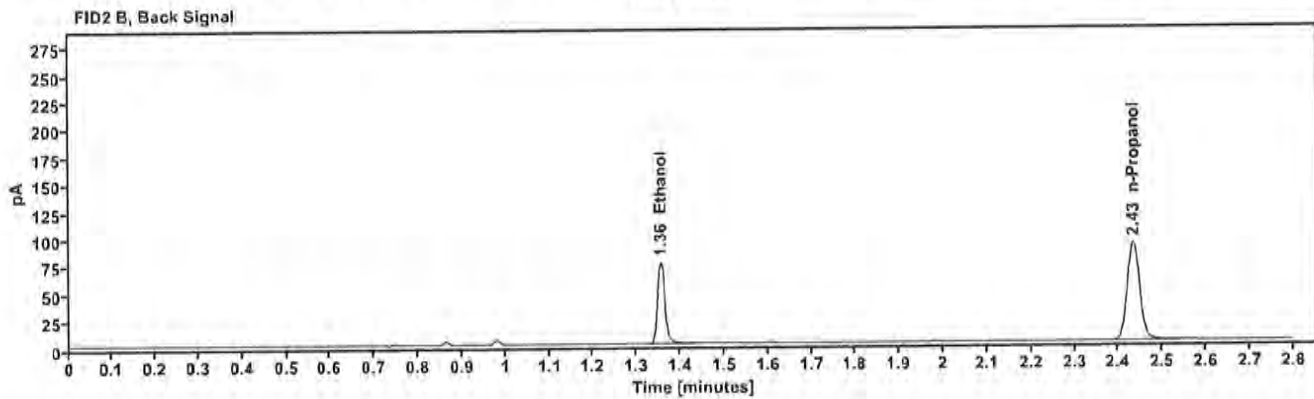
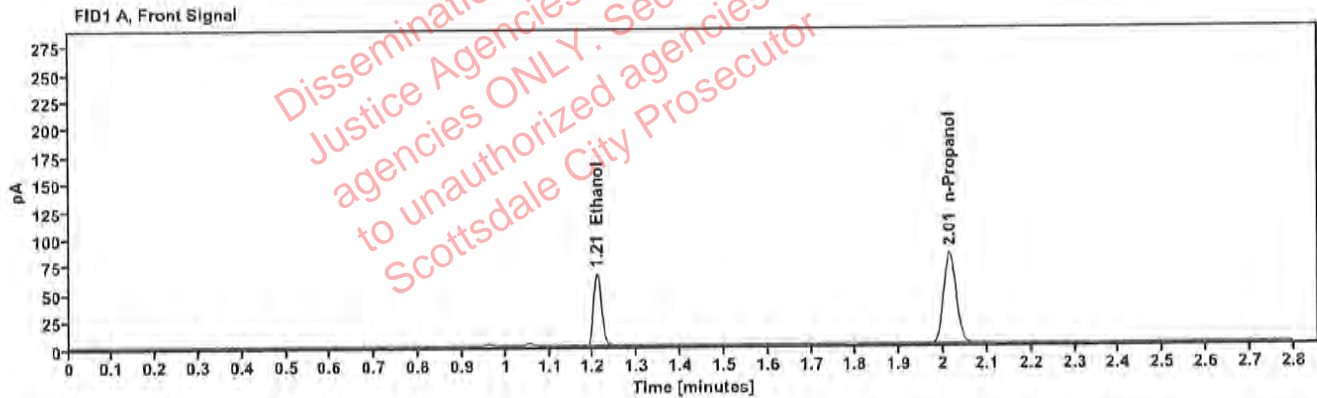


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1345	1.209	82.856
n-Propanol	-----	2.014	165.029

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

Compound	Time (min)	Peak Area
Ethanol	1.355	90.206
n-Propanol	2.433	178.670

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01 G.E.	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:06:39 AM
Data file:	C:\Chem32\1\Data\25Jan23\12.D	Analyst:	Canonico

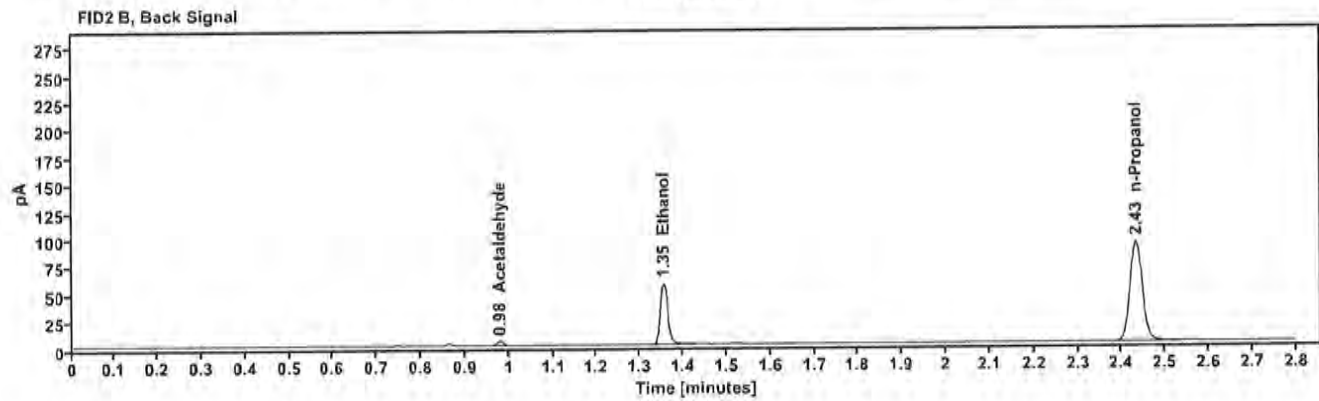
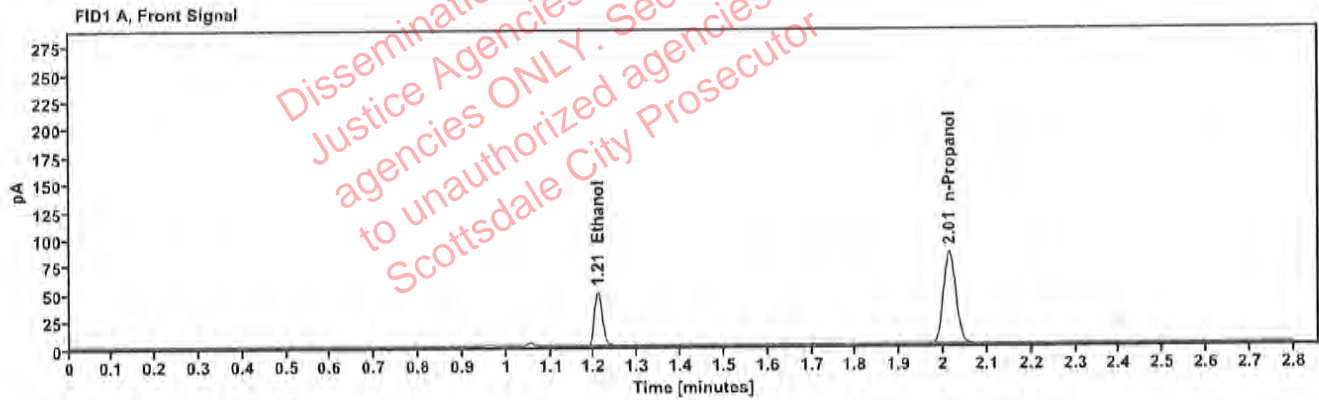


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0992	1.209	61.905
n-Propanol	-----	2.014	168.211

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.979	3.943
Ethanol	1.355	67.262
n-Propanol	2.433	181.901

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01G.E.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:10:55 AM
Data file:	C:\Chem32\1\Data\25Jan23\13.D	Analyst:	Canonico

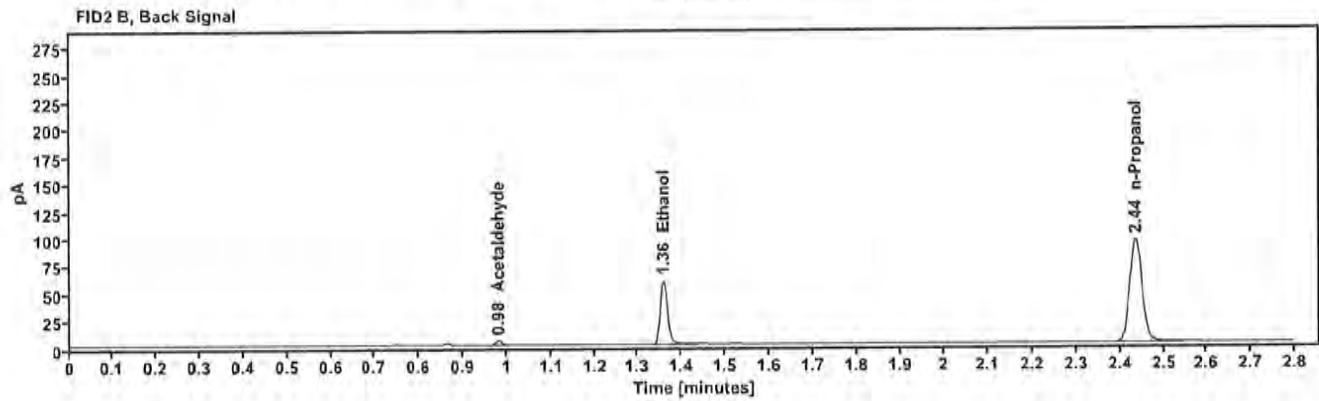
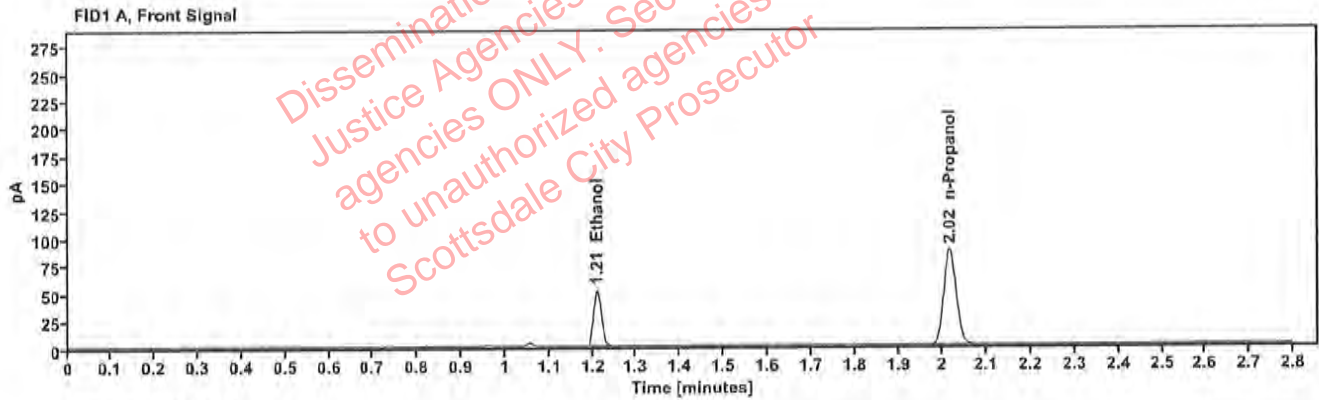


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1015	1.210	65.103
n-Propanol	---	2.016	172.804

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	3.952
Ethanol	1.358	70.506
n-Propanol	2.436	186.857

██████████: Canonico, Erika - (25-Jan-2023)

Case: ██████████ User: ecanonico 1/25/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	405-01J.J.	Vial:	14
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:14:54 AM
Data file:	C:\Chem32\1\Data\25Jan23\14.D	Analyst:	Canonico

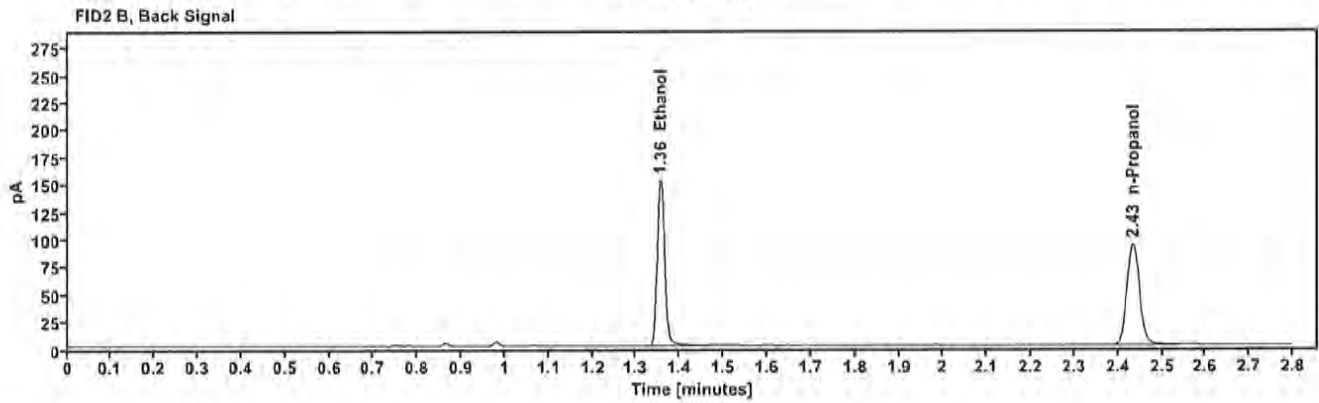
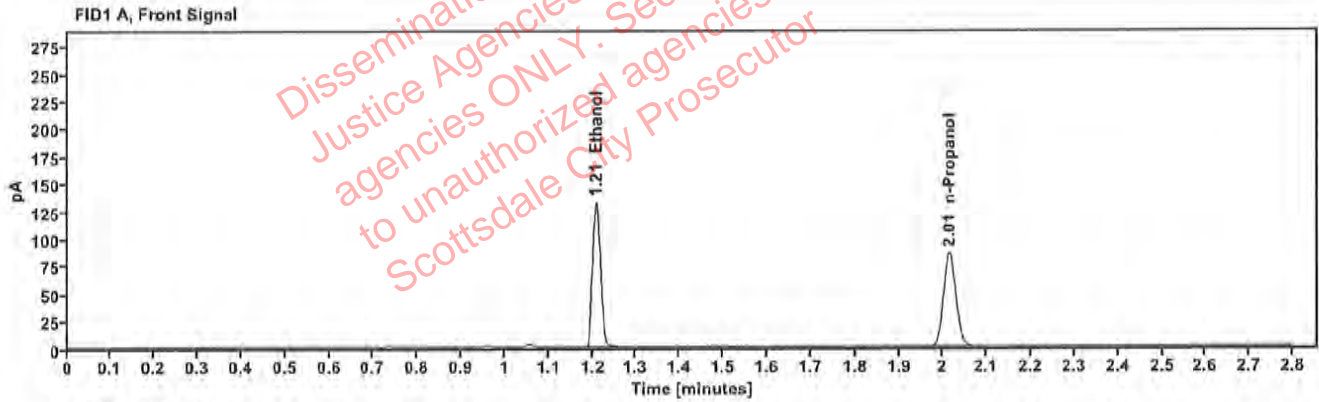


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2611	1.209	167.090
n-Propanol	-----	2.015	169.844

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

Compound	Time (min)	Peak Area
Ethanol	1.356	182.990
n-Propanol	2.434	183.719

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	405-01J.J.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:18:54 AM
Data file:	C:\Chem32\1\Data\25Jan23\15.D	Analyst:	Canonico

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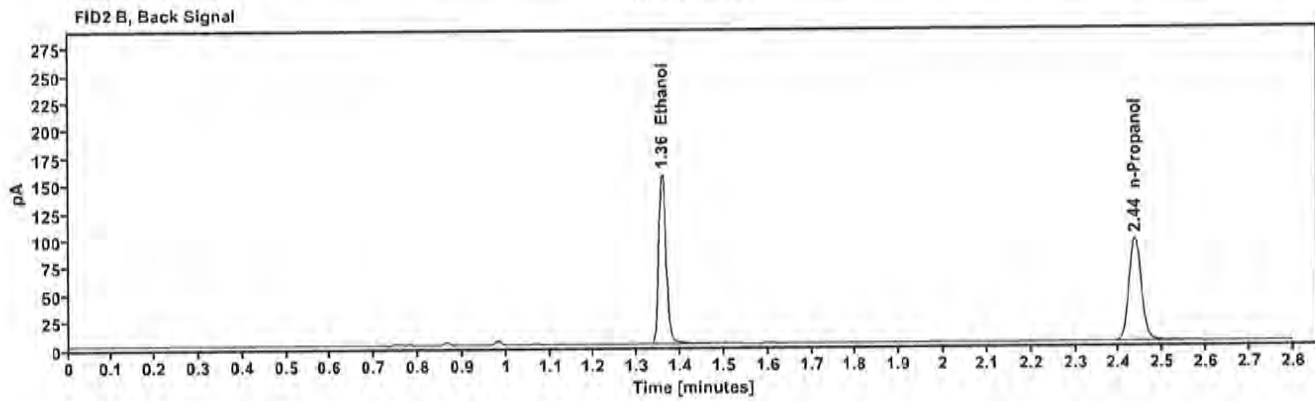
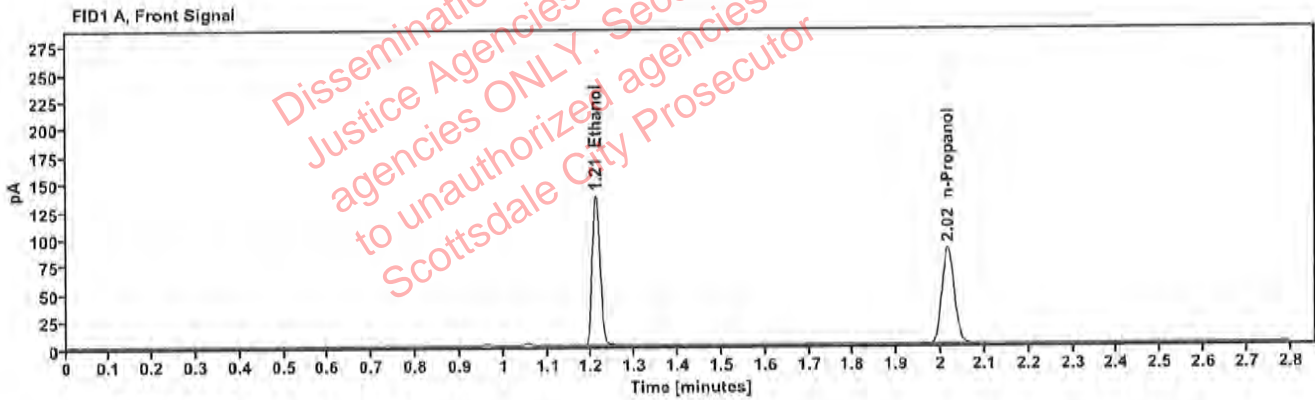


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2633	1.210	172.549
n-Propanol	---	2.016	173.915

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

Compound	Time (min)	Peak Area
Ethanol	1.358	189.075
n-Propanol	2.436	188.066

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	419-01Z.M.	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:22:55 AM
Data file:	C:\Chem32\1\Data\25Jan23\16.D	Analyst:	Canonico

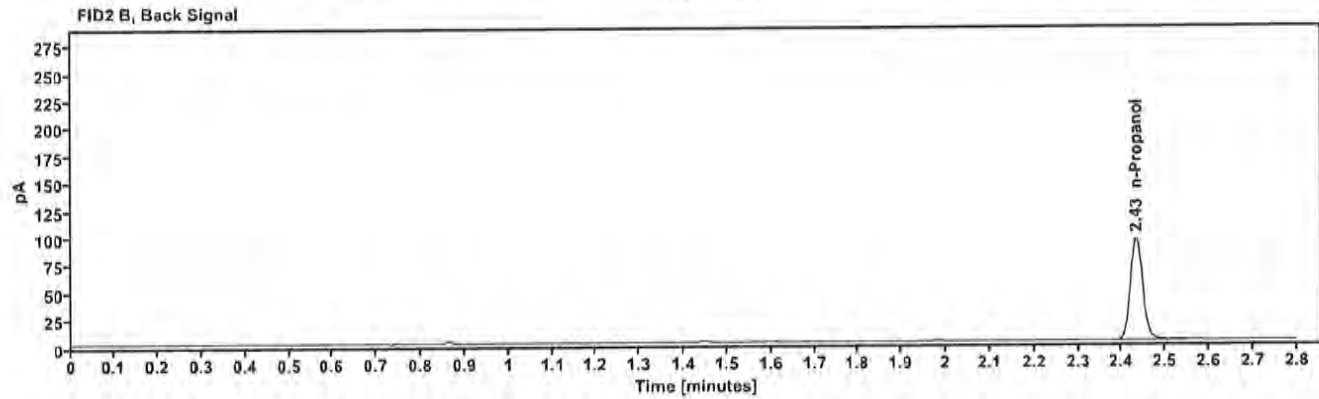
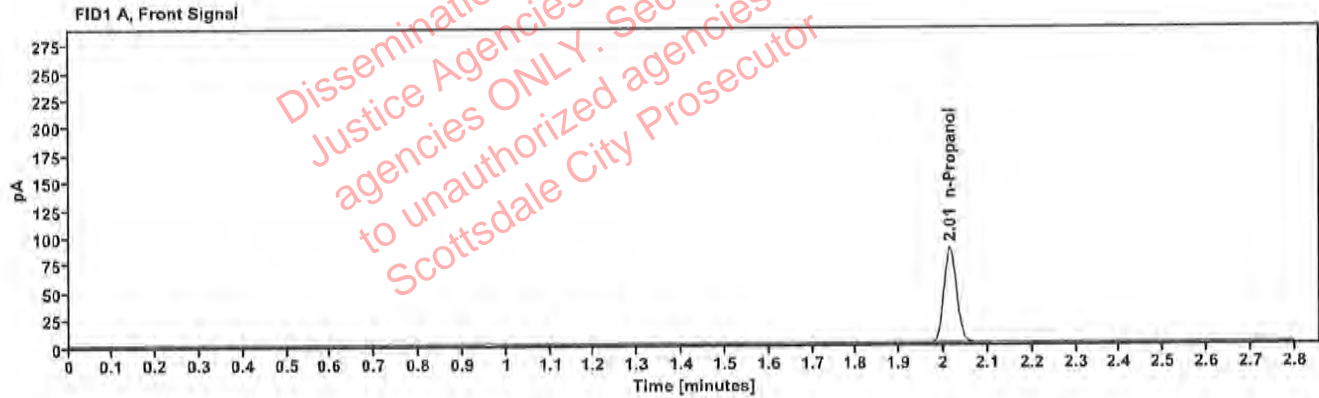


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.014	172.559

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

Compound	Time (min)	Peak Area
n-Propanol	2.433	187.214

[REDACTED]: Canonico, Erika - (25-Jan-2023)

Case: [REDACTED] User: ecanonico 1/25/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	419-01Z.M.	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:26:54 AM
Data file:	C:\Chem32\1\Data\25Jan23\17.D	Analyst:	Canonico

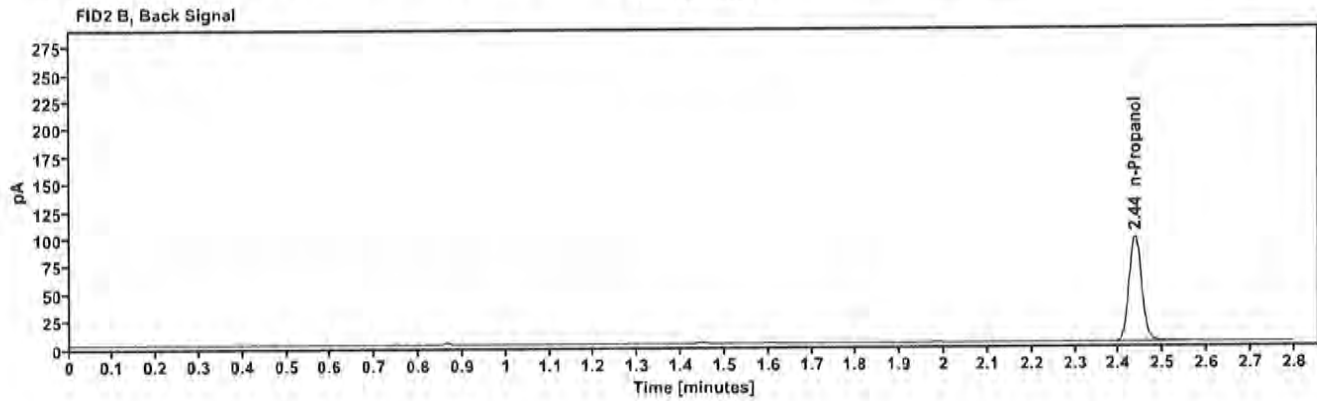
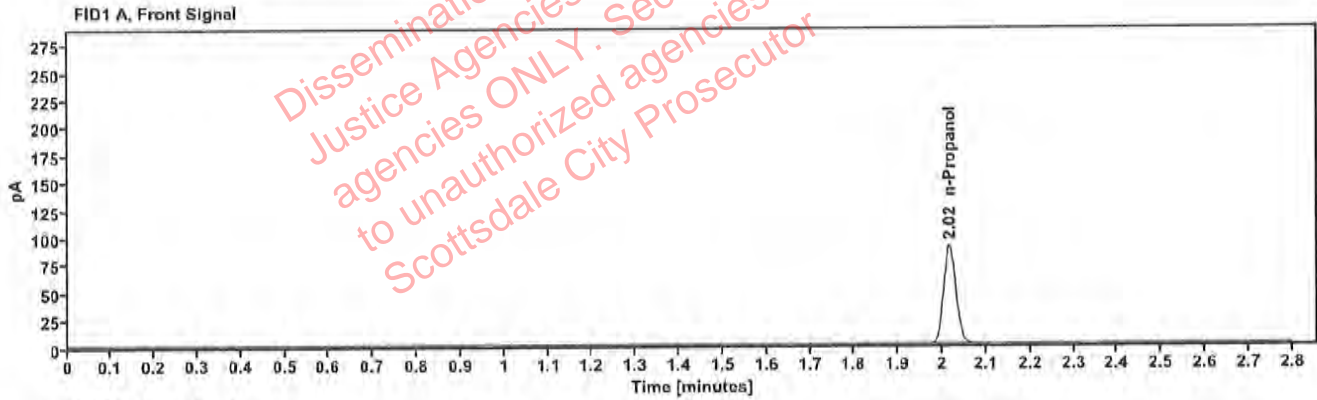


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.016	177.411

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

Compound	Time (min)	Peak Area
n-Propanol	2.437	192.317

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01J.S.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:30:55 AM
Data file:	C:\Chem32\1\Data\25Jan23\18.D	Analyst:	Canonico

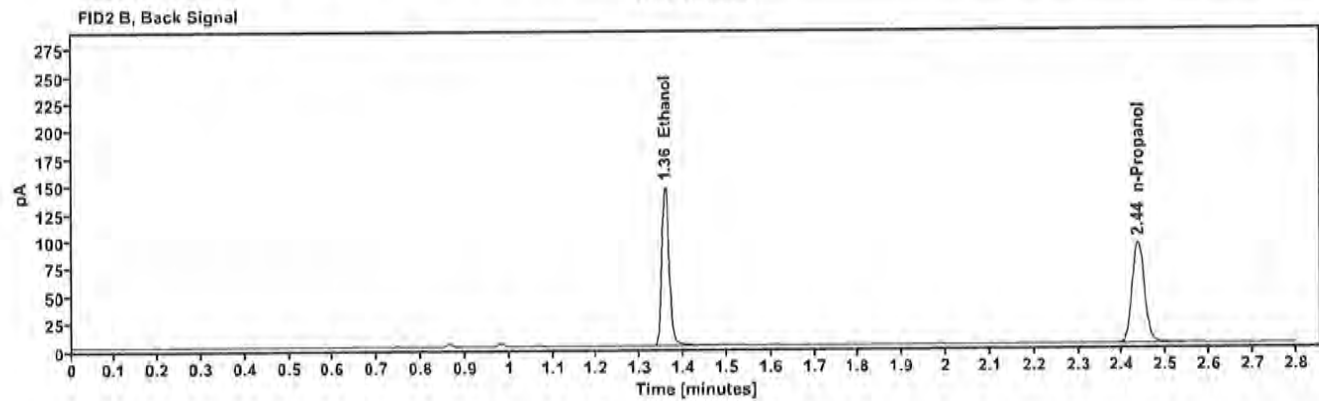
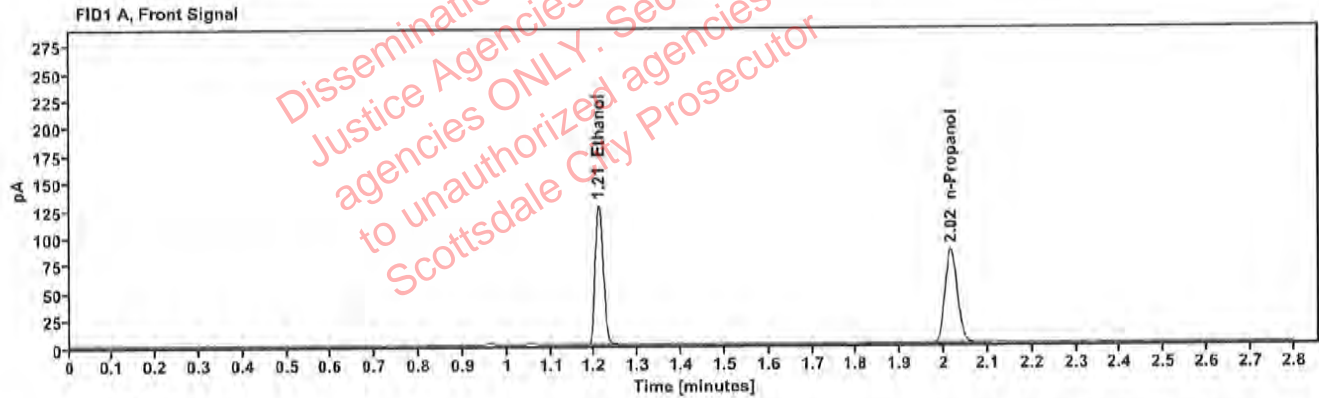


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2520	1.210	161.345
n-Propanol	---	2.016	169.988

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

Compound	Time (min)	Peak Area
Ethanol	1.358	176.614
n-Propanol	2.436	183.661

Canonico, Erika - (25-Jan-2023)

Case: User: ecanonico 1/25/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01J.S.	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:35:10 AM
Data file:	C:\Chem32\1\Data\25Jan23\19.D	Analyst:	Canonico

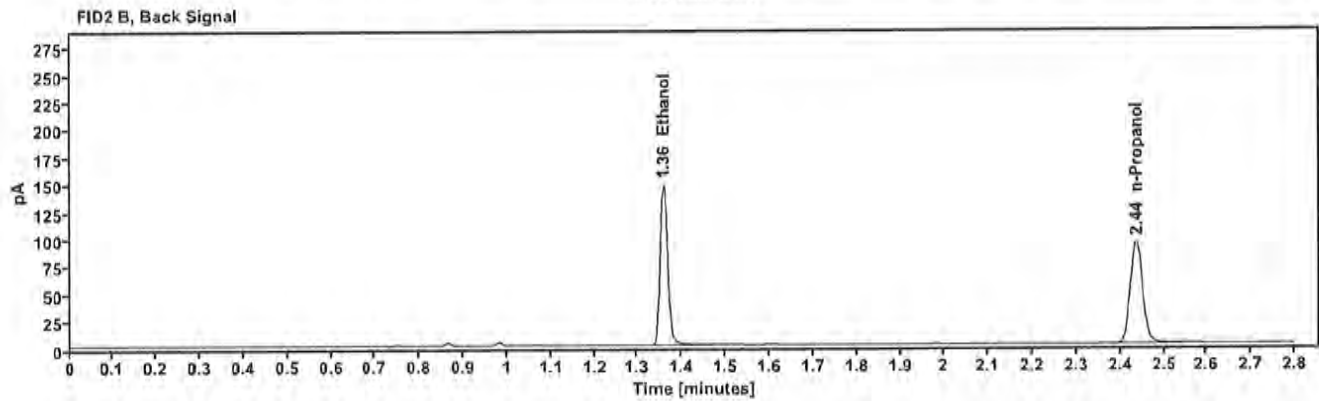
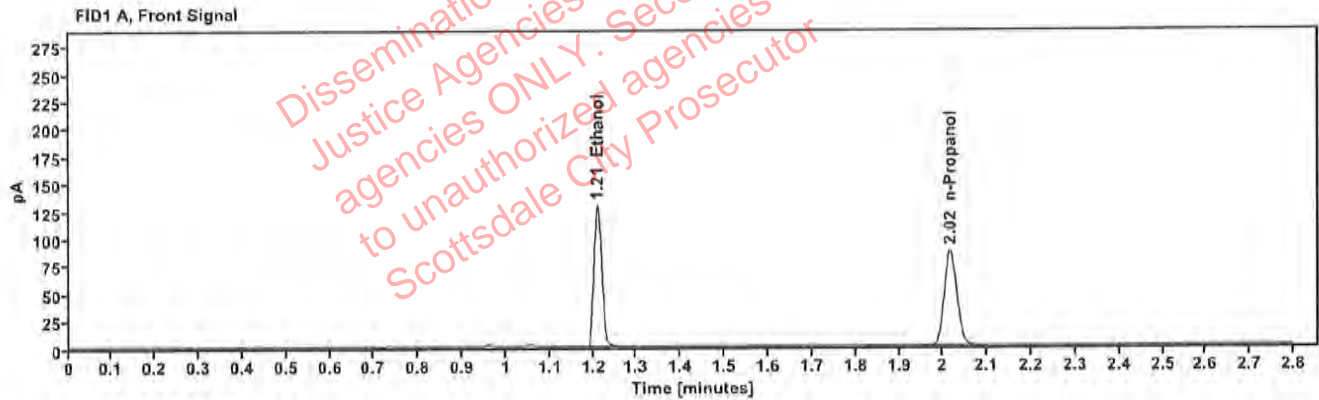


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2526	1.210	163.546
n-Propanol	-----	2.016	171.868

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

Compound	Time (min)	Peak Area
Ethanol	1.358	178.867
n-Propanol	2.437	185.683

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300050-3	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:43:10 AM
Data file:	C:\Chem32\1\Data\25Jan23\21.D	Analyst:	Canonico

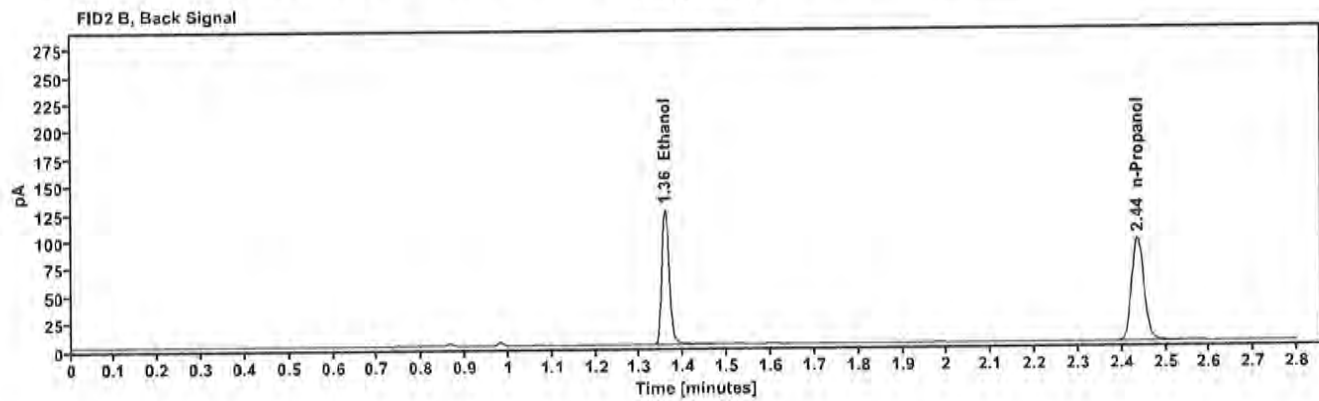
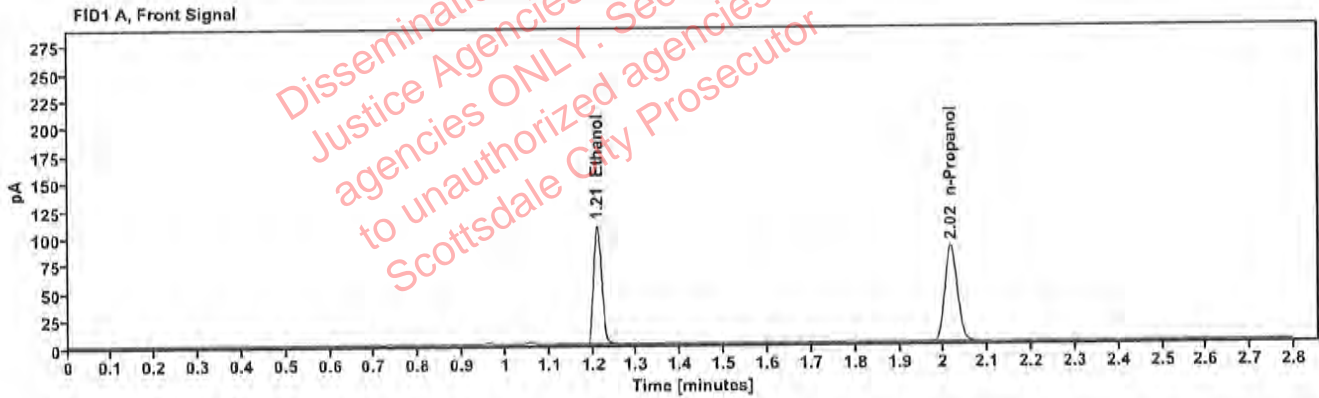


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2103	1.210	137.501
n-Propanol	-----	2.016	173.925

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

Compound	Time (min)	Peak Area
Ethanol	1.358	150.246
n-Propanol	2.436	187.922

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300050-3	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:47:10 AM
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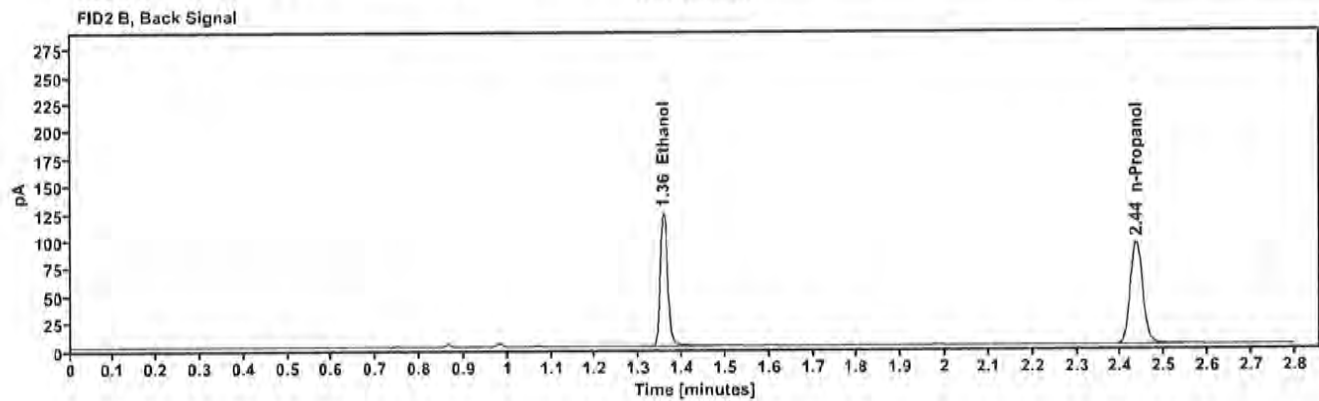
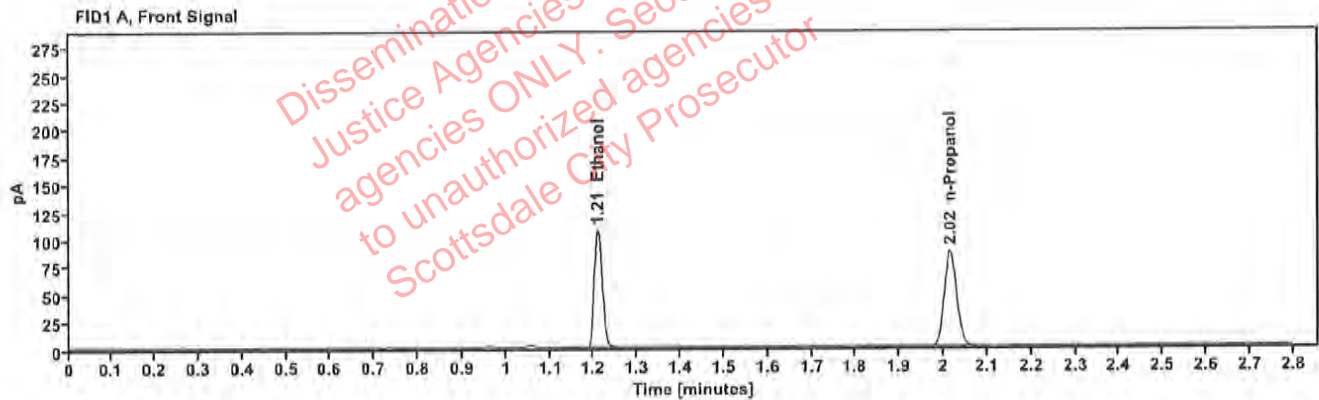


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2087	1.210	135.508
n-Propanol	-----	2.015	172.751

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

Compound	Time (min)	Peak Area
Ethanol	1.357	149.386
n-Propanol	2.435	186.839

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1435946	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:51:09 AM
Data file:	C:\Chem32\1\Data\25Jan23\23.D	Analyst:	Canonico

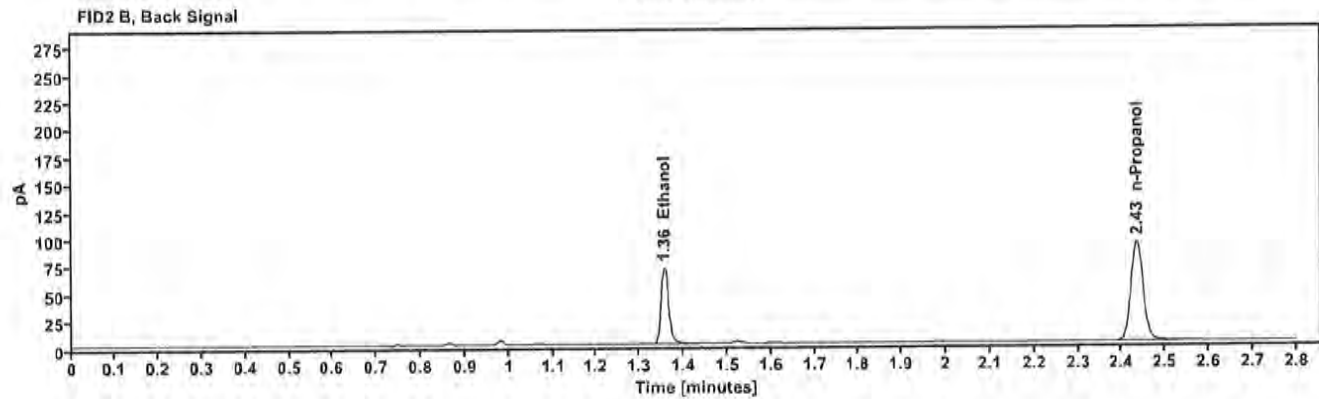
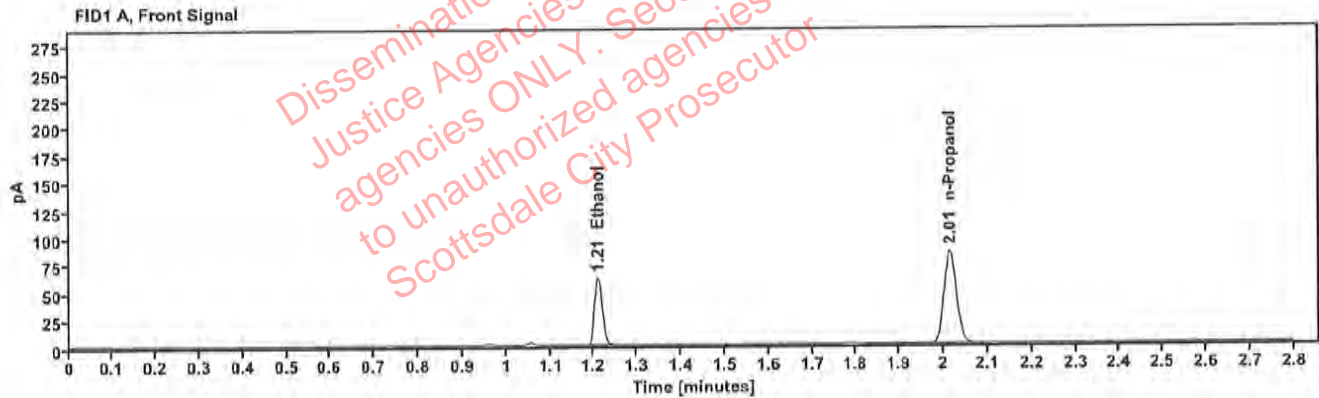


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1245	1.210	78.201
n-Propanol	---	2.015	168.539

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

Compound	Time (min)	Peak Area
Ethanol	1.357	84.992
n-Propanol	2.434	182.336

[REDACTED]: Canonico, Erika - (25-Jan-2023)

Case: [REDACTED] User: eanonico 1/25/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1435946	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:55:09 AM
Data file:	C:\Chem32\1\Data\25Jan23\24.D	Analyst:	Canonico

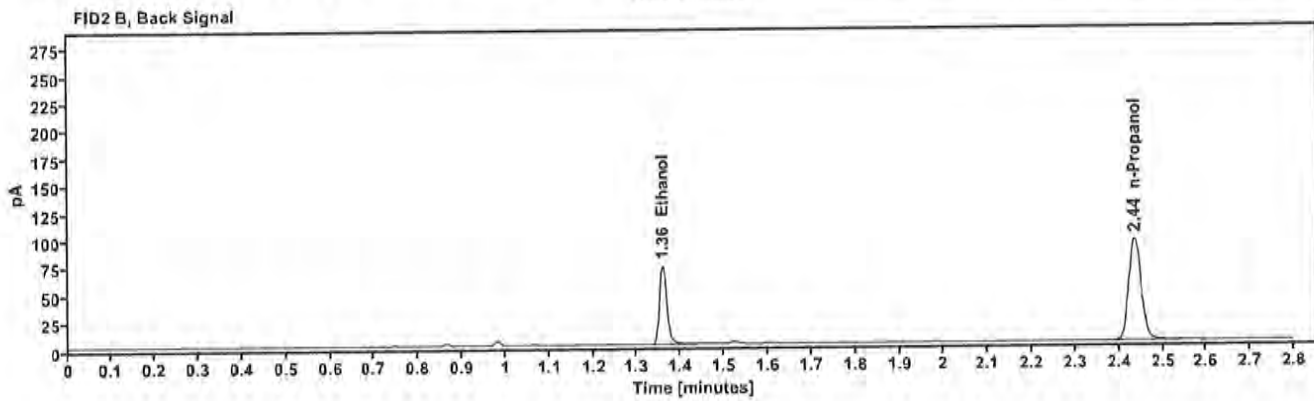
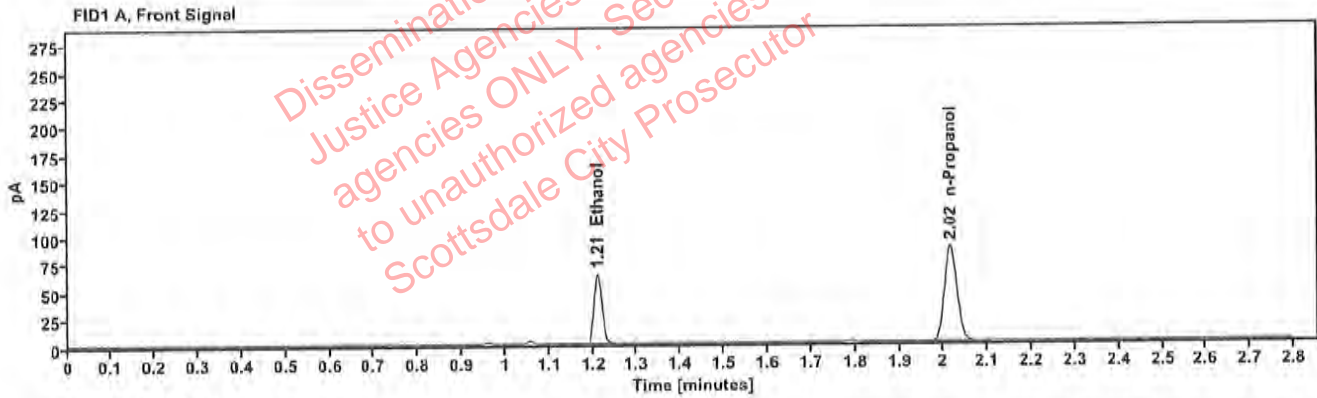


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1258	1.211	80.869
n-Propanol	-----	2.016	172.332

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

Compound	Time (min)	Peak Area
Ethanol	1.358	88.092
n-Propanol	2.436	186.408

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301069-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 11:59:25 AM
Data file:	C:\Chem32\1\Data\25Jan23\25.D	Analyst:	Canonico

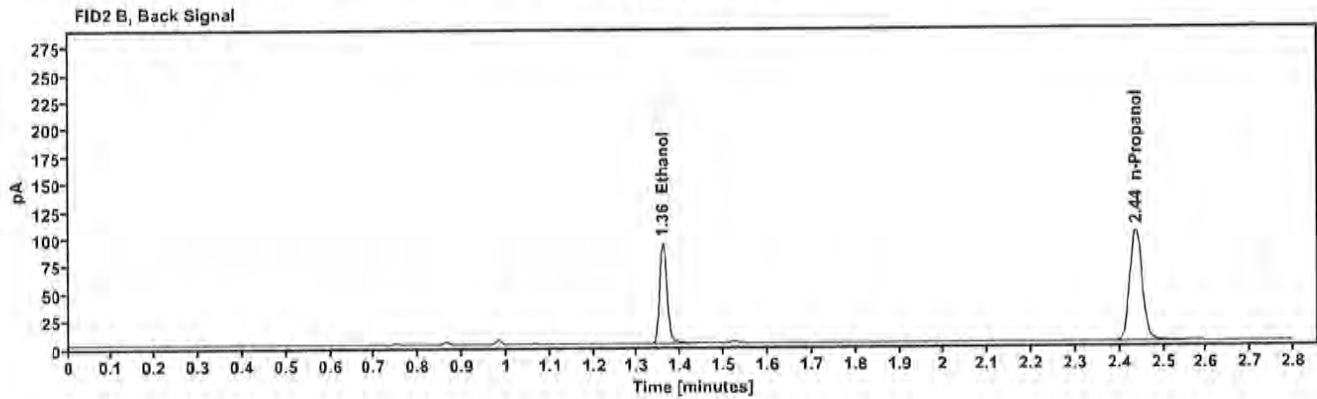
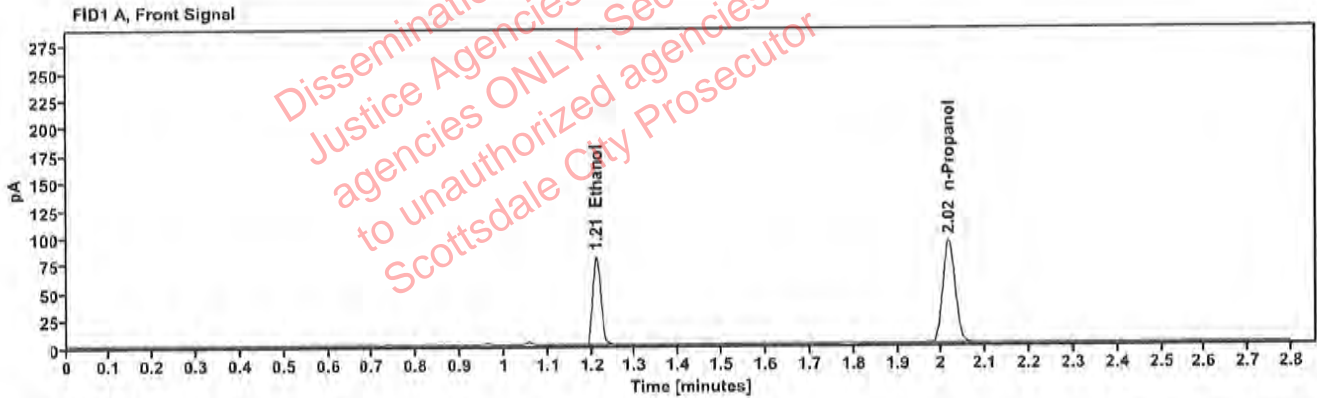


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1474	1.211	103.153
n-Propanol	-----	2.016	187.102

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

Compound	Time (min)	Peak Area
Ethanol	1.359	111.947
n-Propanol	2.437	202.382

[REDACTED]: Canonico, Erika - (25-Jan-2023)

Case: [REDACTED] User: ecanonico 1/25/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301069-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:03:25 PM
Data file:	C:\Chem32\1\Data\25Jan23\26.D	Analyst:	Canonico

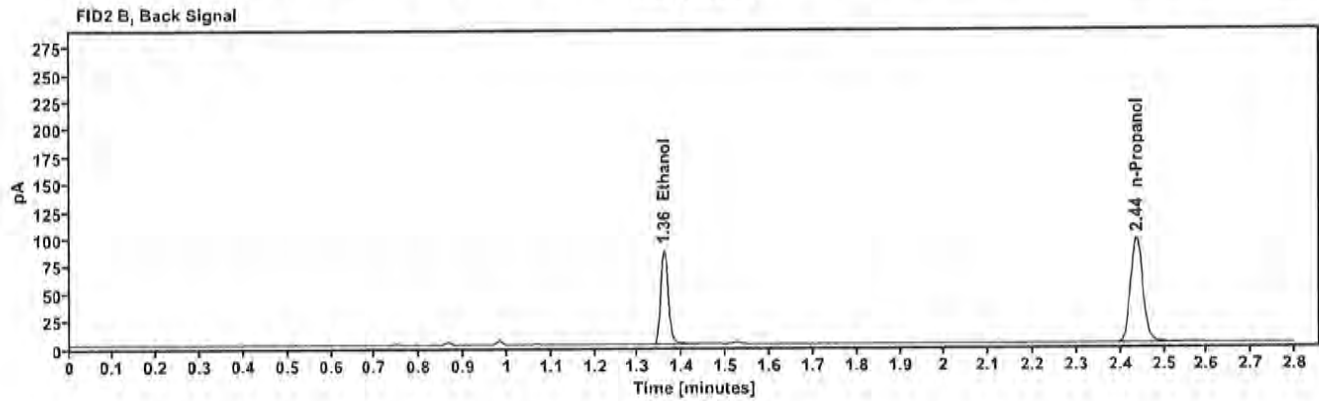
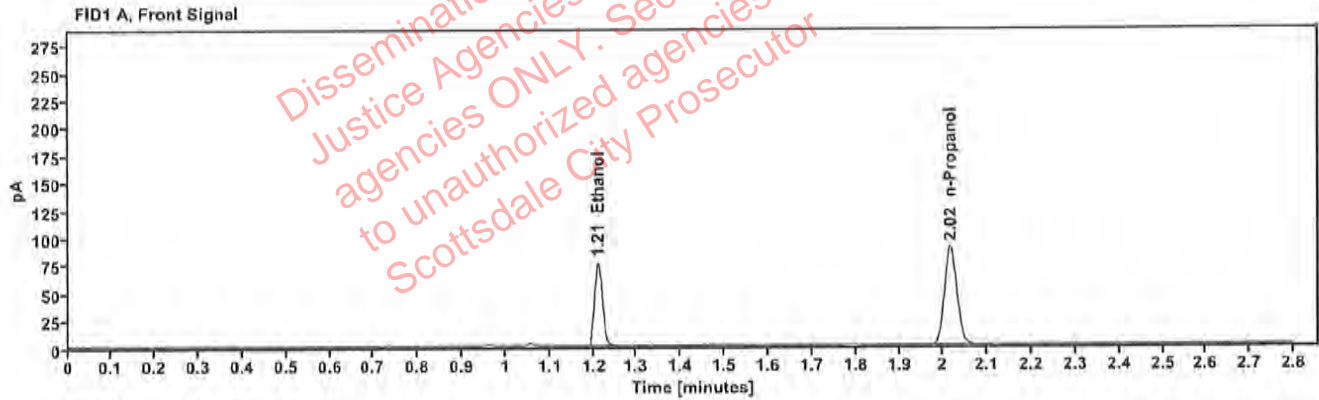


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1460	1.211	96.715
n-Propanol	-----	2.016	177.097

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

Compound	Time (min)	Peak Area
Ethanol	1.359	105.292
n-Propanol	2.436	191.440

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300945-2	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:07:24 PM
Data file:	C:\Chem32\1\Data\25Jan23\27.D	Analyst:	Canonico

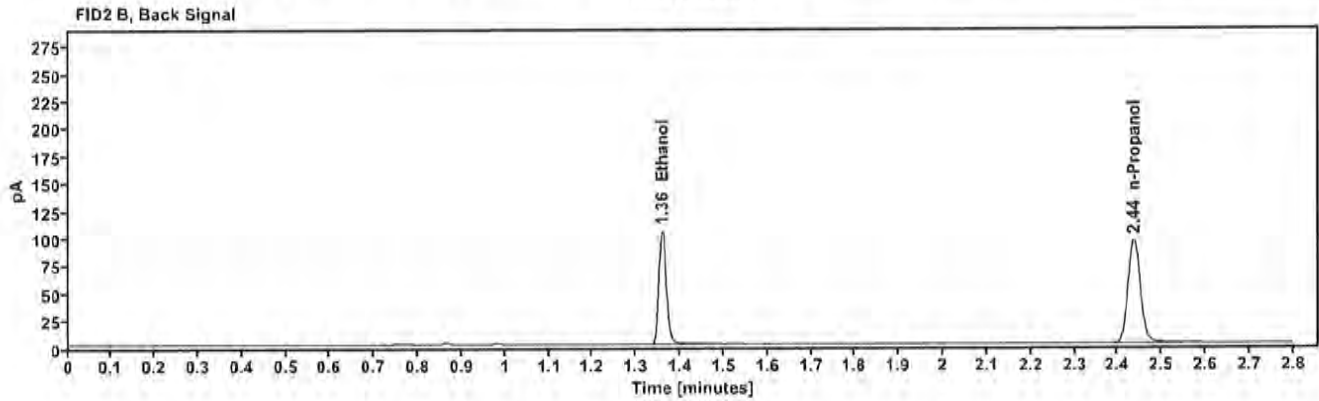
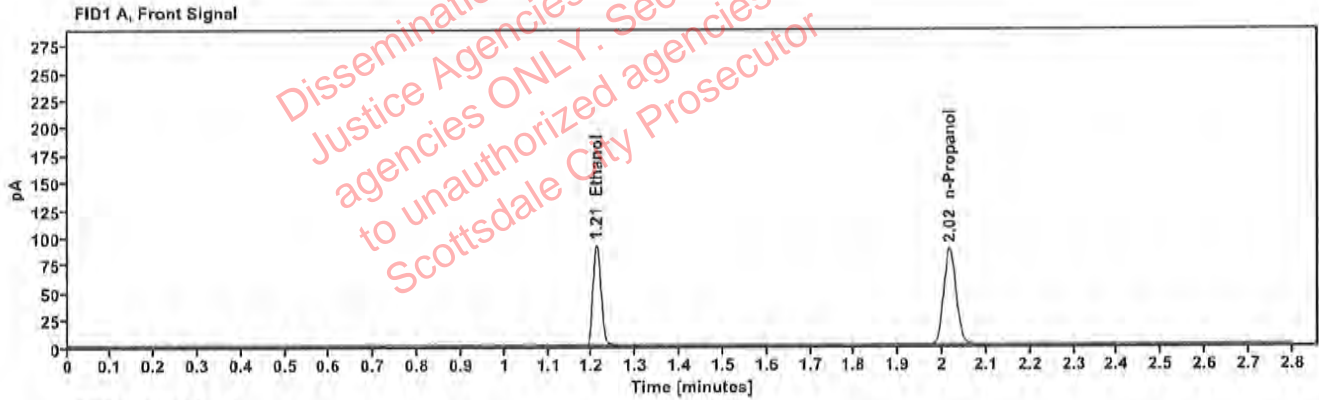


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1773	1.211	115.879
n-Propanol	---	2.016	174.260

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

Compound	Time (min)	Peak Area
Ethanol	1.359	126.705
n-Propanol	2.436	188.285

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300945-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:11:24 PM
Data file:	C:\Chem32\1\Data\25Jan23\28.D	Analyst:	Canonico

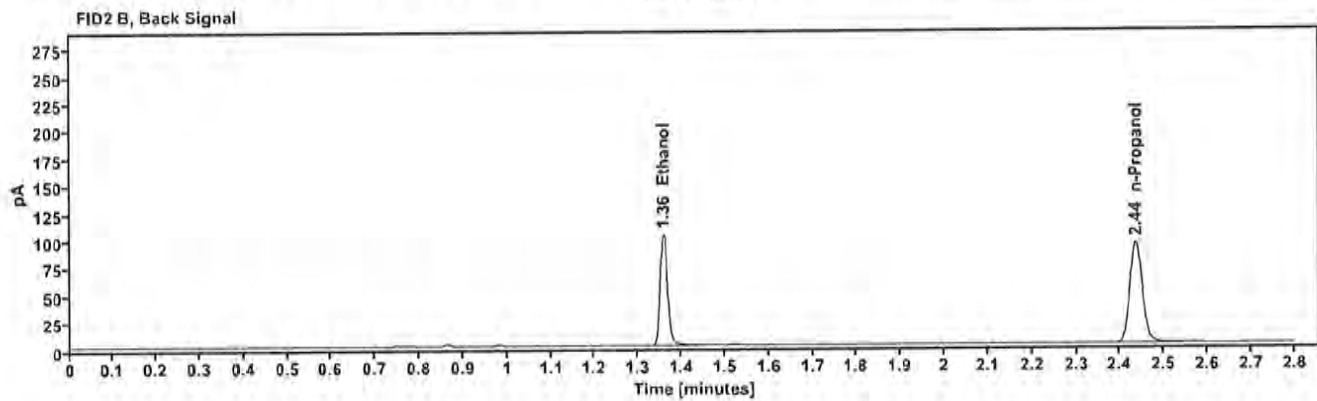
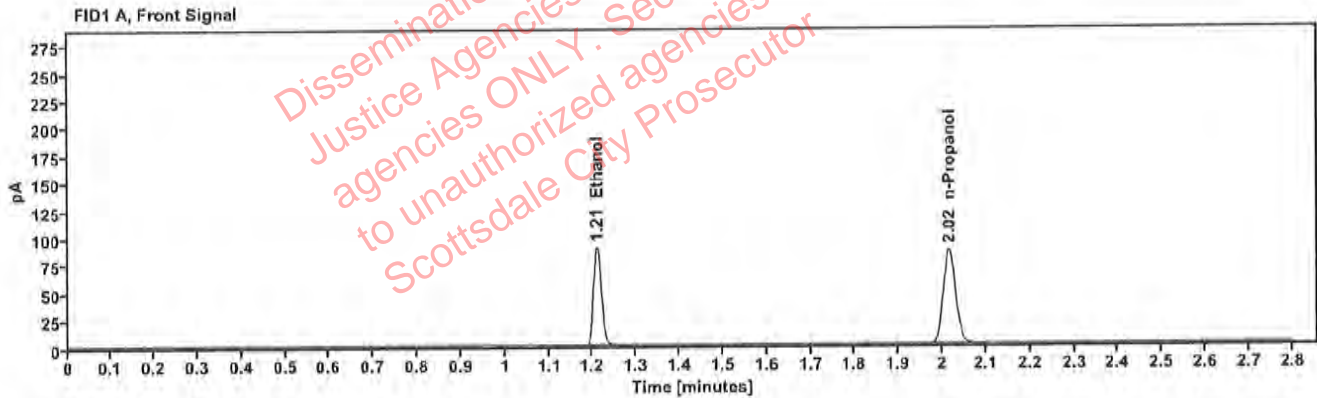


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1773	1.210	113.716
n-Propanol	---	2.016	171.026

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

Compound	Time (min)	Peak Area
Ethanol	1.358	124.305
n-Propanol	2.436	184.728

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300939-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:15:25 PM
Data file:	C:\Chem32\1\Data\25Jan23\29.D	Analyst:	Canonico

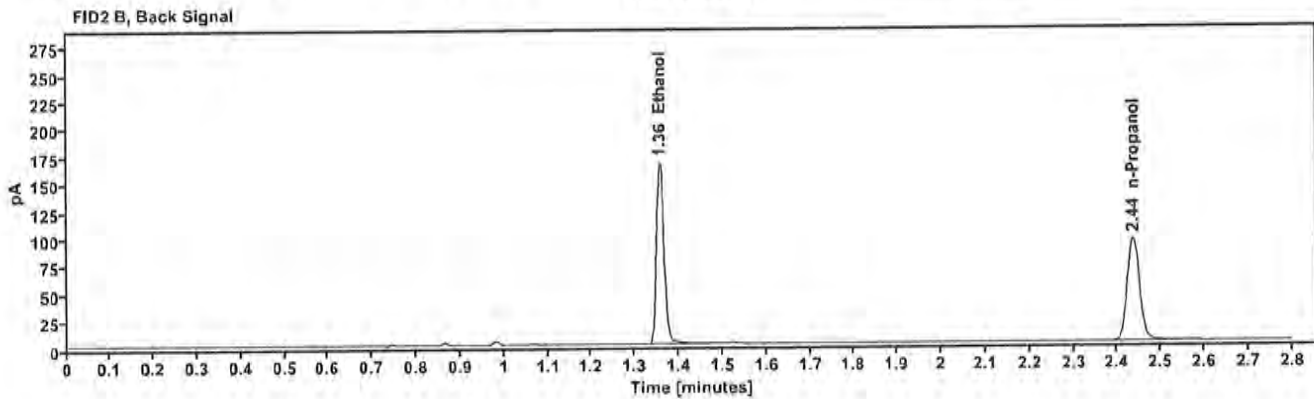
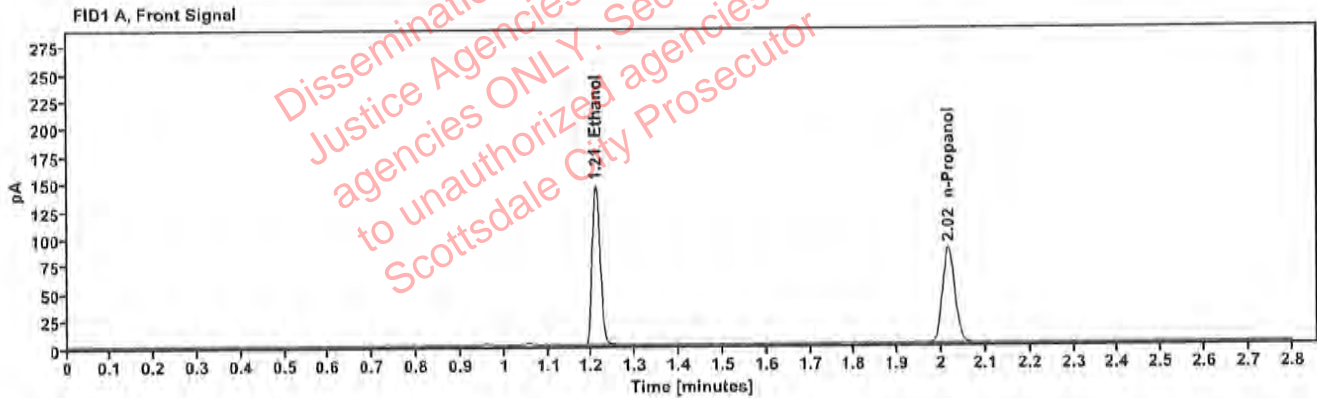


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2823	1.210	184.326
n-Propanol	-----	2.016	173.161

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

Compound	Time (min)	Peak Area
Ethanol	1.358	201.706
n-Propanol	2.436	187.119

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300939-2	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:19:24 PM
Data file:	C:\Chem32\1\Data\25Jan23\30.D	Analyst:	Canonico

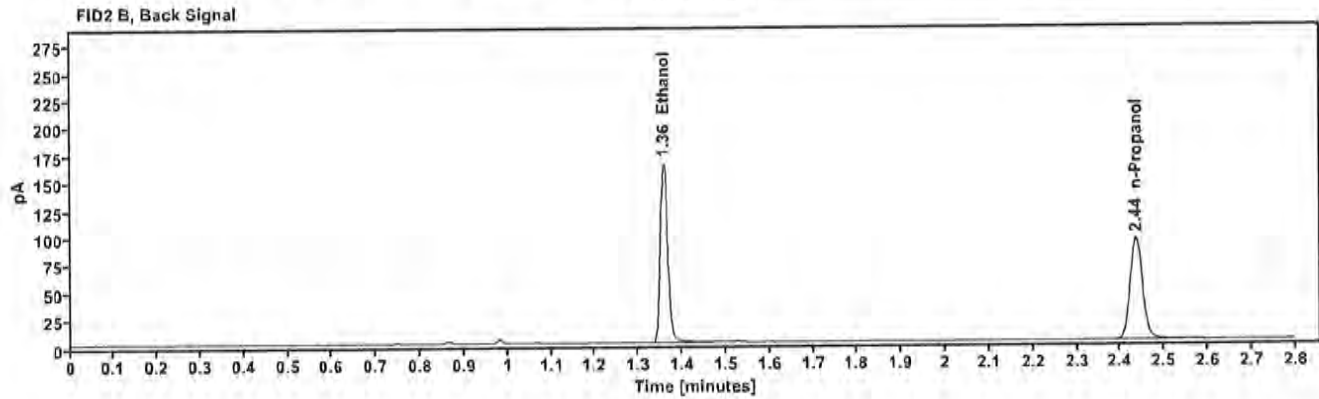
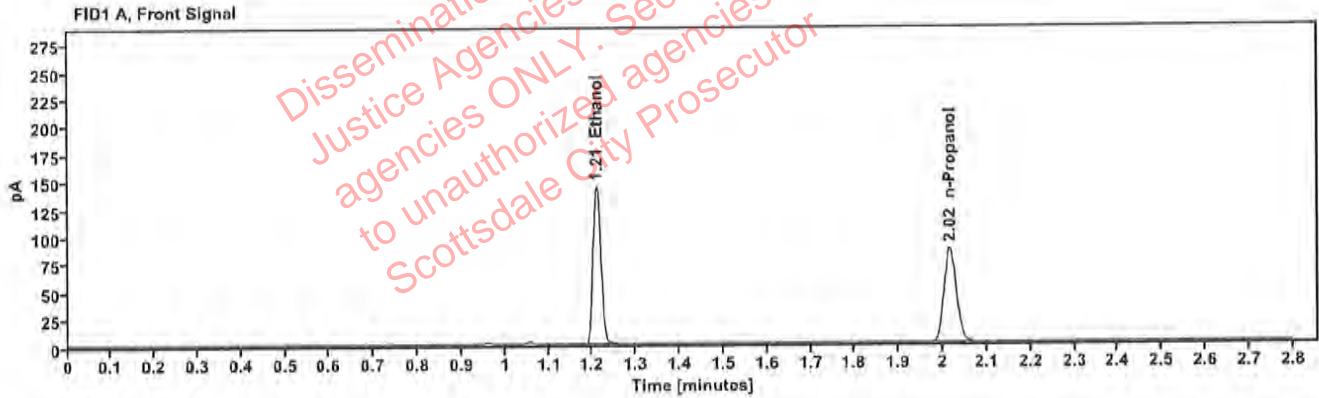


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2829	1.210	182.017
n-Propanol	-----	2.016	170.634

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

Compound	Time (min)	Peak Area
Ethanol	1.358	199.440
n-Propanol	2.436	184.377

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300889-1	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:27:40 PM
Data file:	C:\Chem32\1\Data\25Jan23\32.D	Analyst:	Canonico

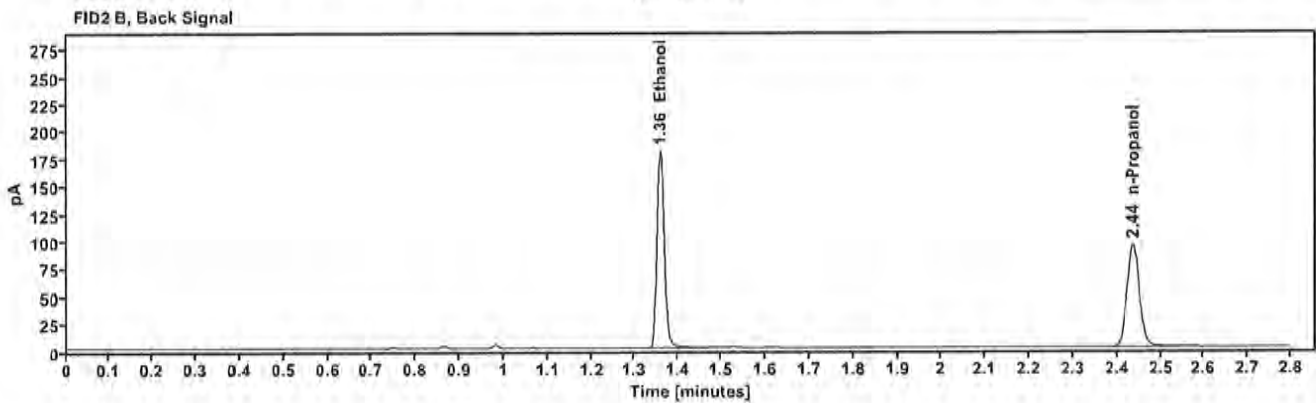
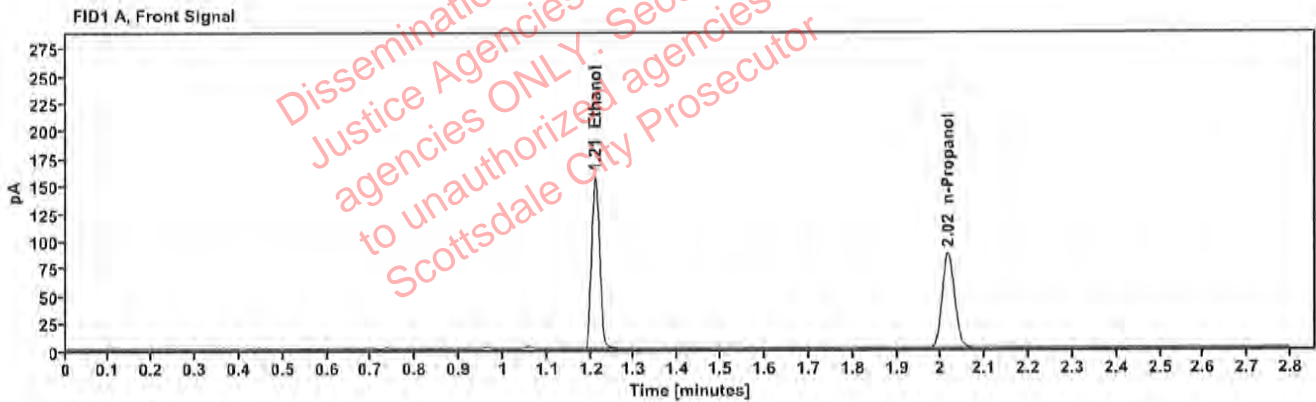


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3066	1.210	199.261
n-Propanol	-----	2.016	172.264

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

Compound	Time (min)	Peak Area
Ethanol	1.358	218.360
n-Propanol	2.436	185.762

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300889-1	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:31:39 PM
Data file:	C:\Chem32\1\Data\25Jan23\33.D	Analyst:	Canonico

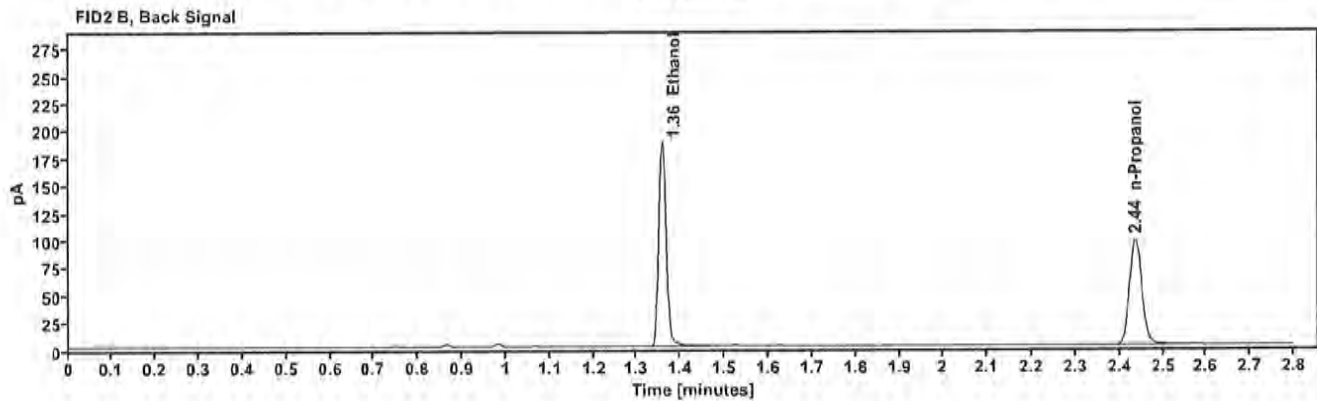
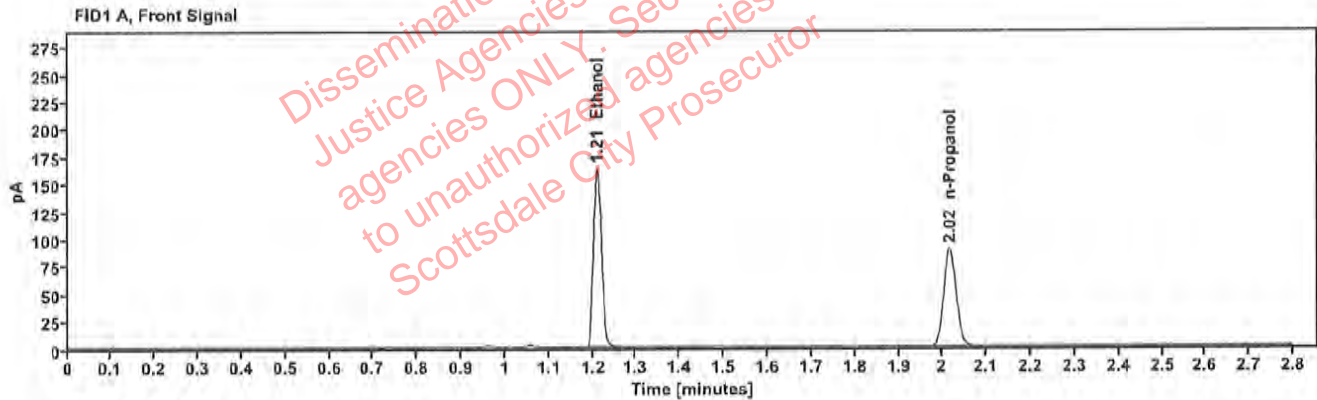


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3103	1.210	207.079
n-Propanol	-----	2.016	176.835

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

Compound	Time (min)	Peak Area
Ethanol	1.358	226.942
n-Propanol	2.436	190.837

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300882-3	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:35:40 PM
Data file:	C:\Chem32\1\Data\25Jan23\34.D	Analyst:	Canonico

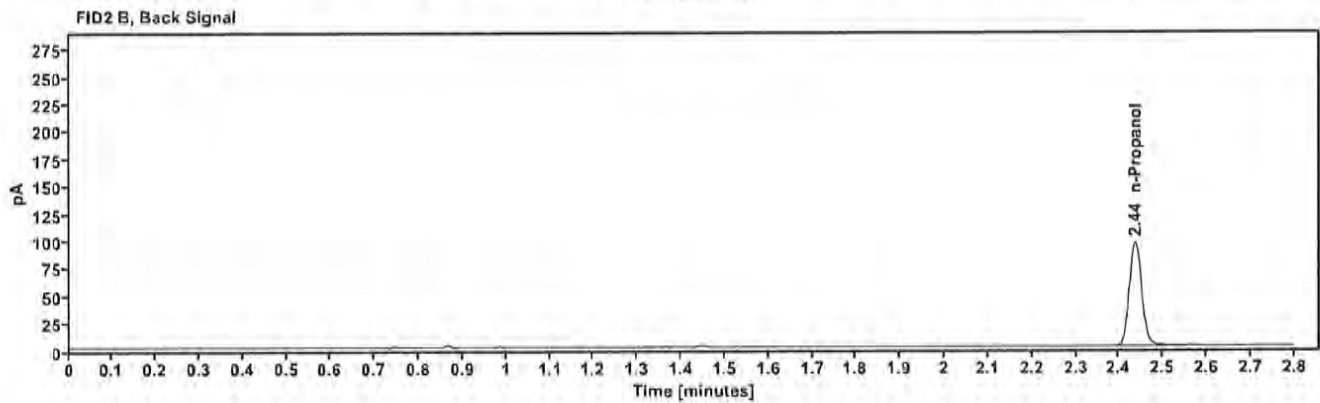
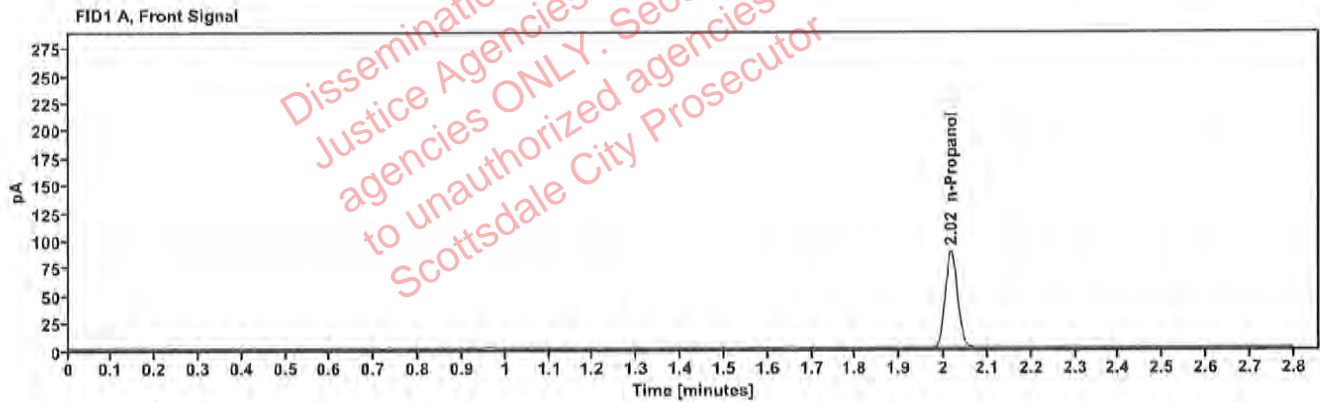


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.017	174.963

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

Compound	Time (min)	Peak Area
n-Propanol	2.437	189.518

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300882-3	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:39:40 PM
Data file:	C:\Chem32\1\Data\25Jan23\35.D	Analyst:	Canonico

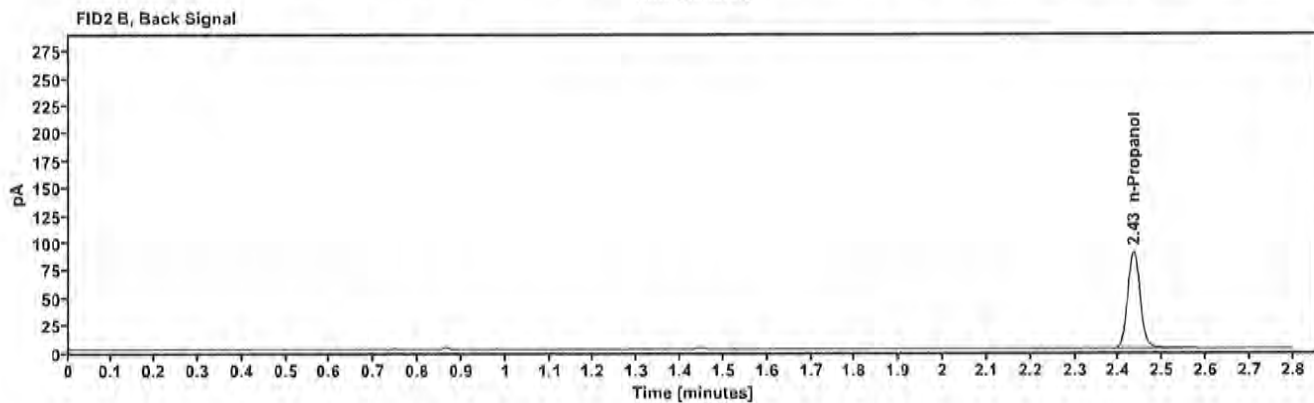
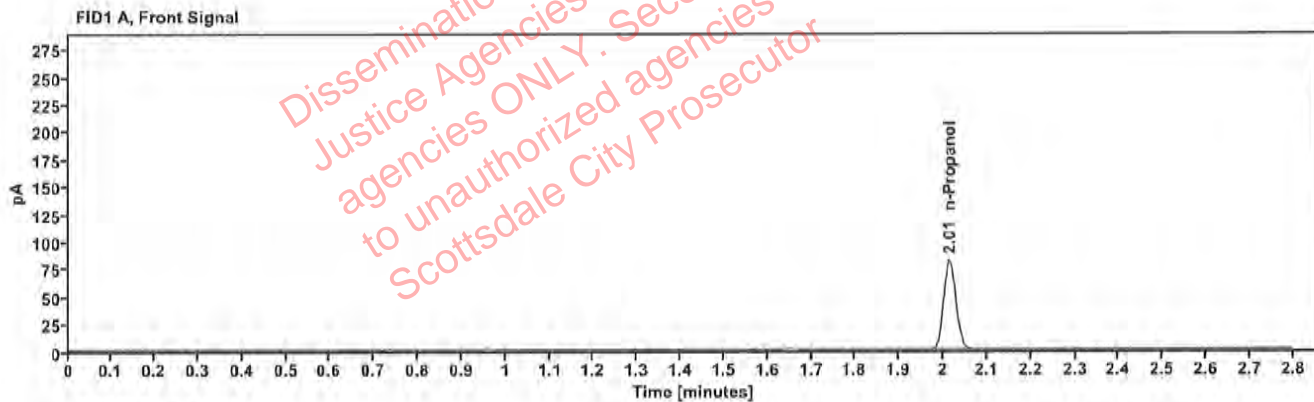


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.014	162.577

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

Compound	Time (min)	Peak Area
n-Propanol	2.434	176.088

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300877-2	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:43:39 PM
Data file:	C:\Chem32\1\Data\25Jan23\36.D	Analyst:	Canonico

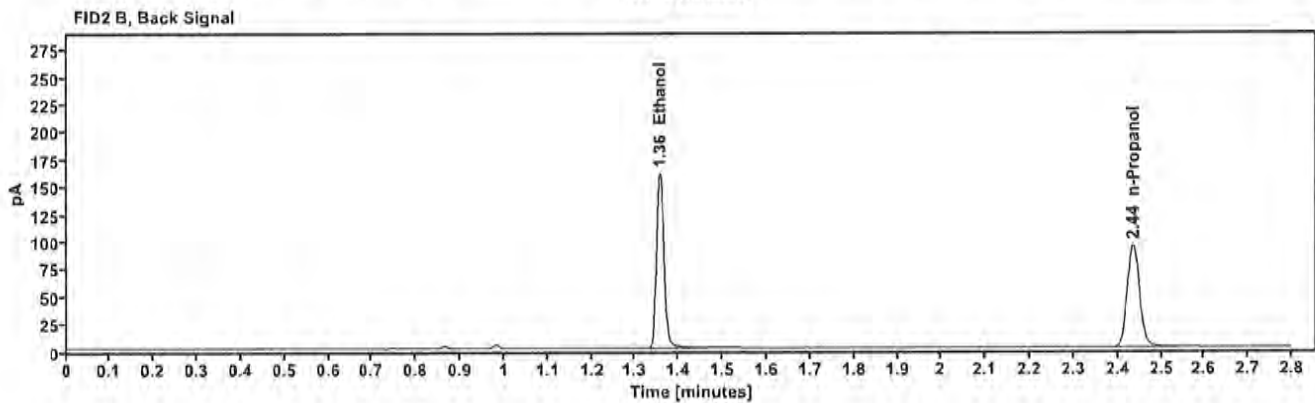
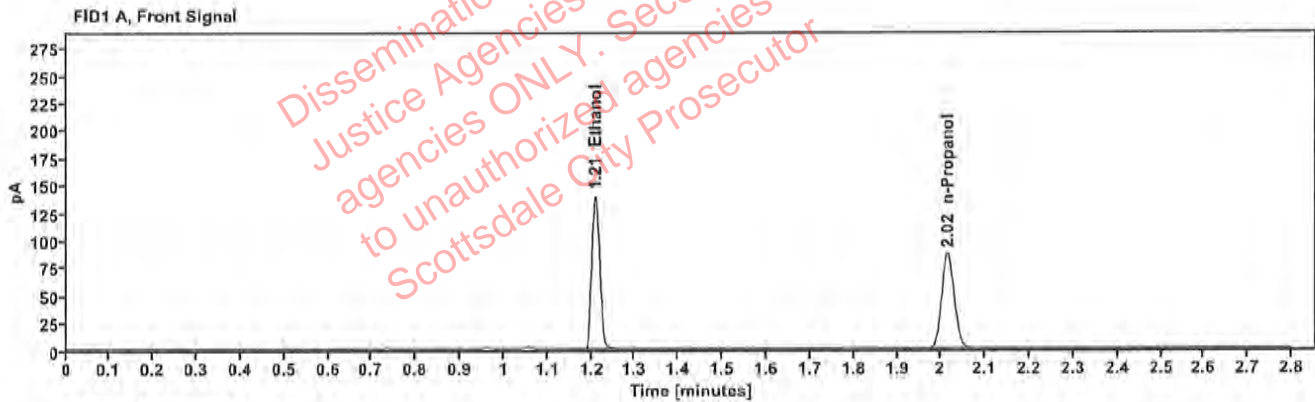


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2728	1.209	176.763
n-Propanol	-----	2.015	171.931

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

Compound	Time (min)	Peak Area
Ethanol	1.357	193.449
n-Propanol	2.435	185.287

[REDACTED]: Canonico, Erika - (25-Jan-2023)

Case: [REDACTED] User: ecanonico 1/25/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300877-2	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:47:54 PM
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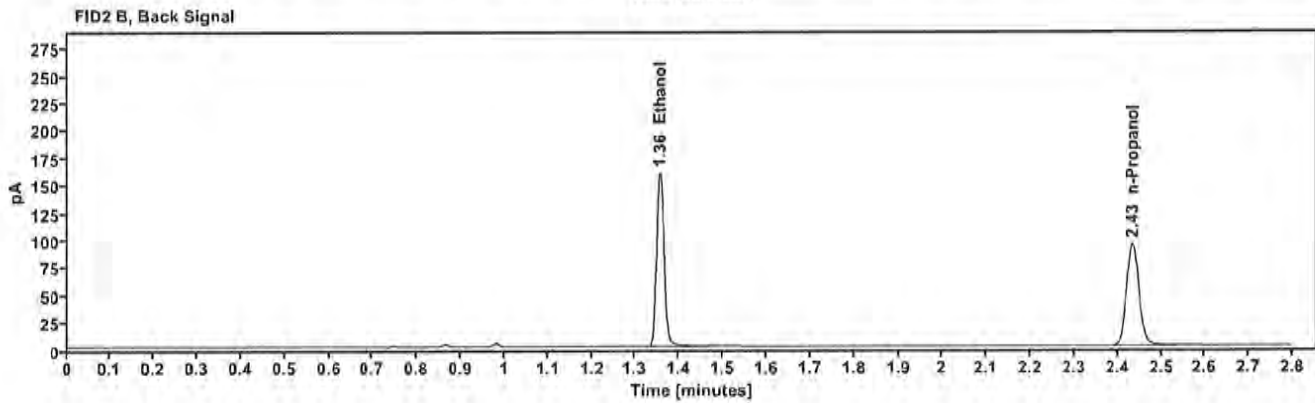
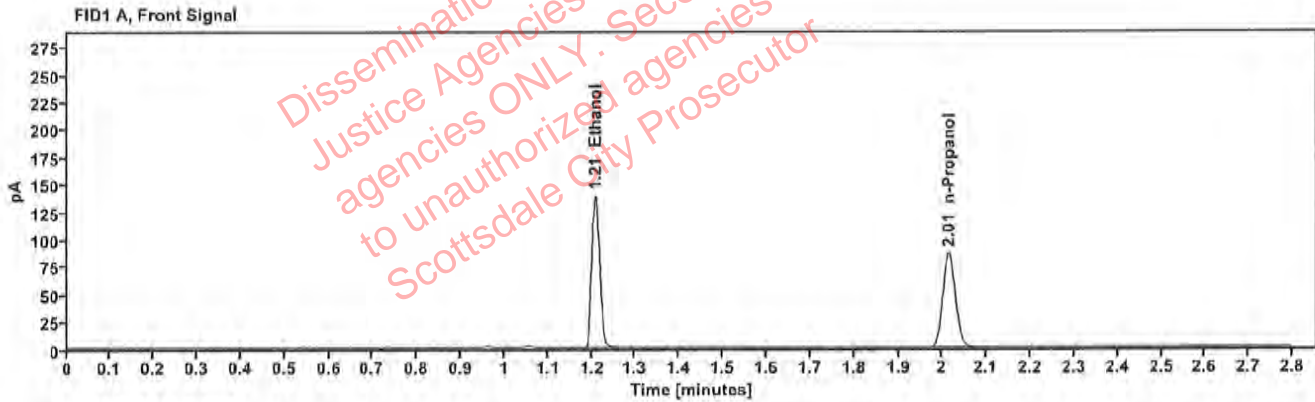


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2711	1.209	175.459
n-Propanol	---	2.015	171.683

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

Compound	Time (min)	Peak Area
Ethanol	1.356	192.191
n-Propanol	2.434	185.113

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300005-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:51:54 PM
Data file:	C:\Chem32\1\Data\25Jan23\38.D	Analyst:	Canonico

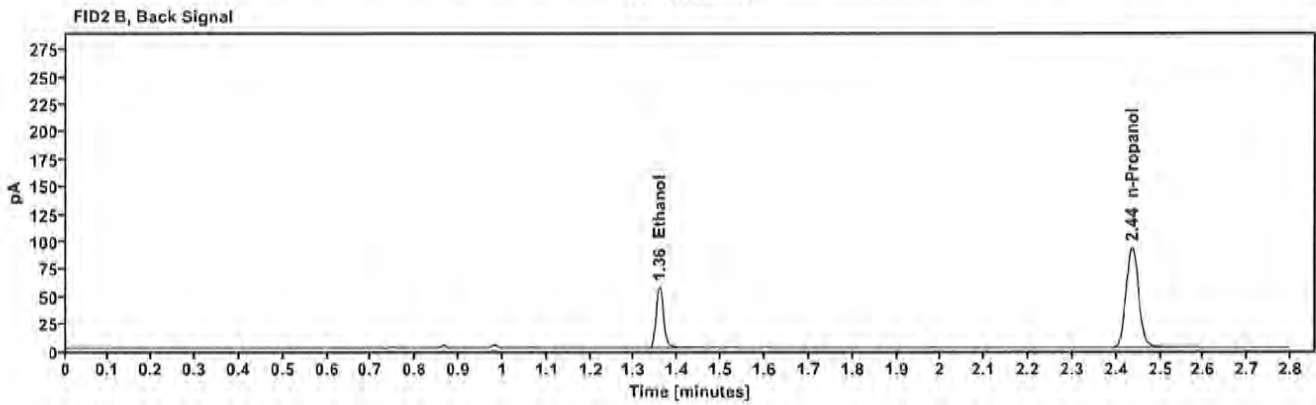
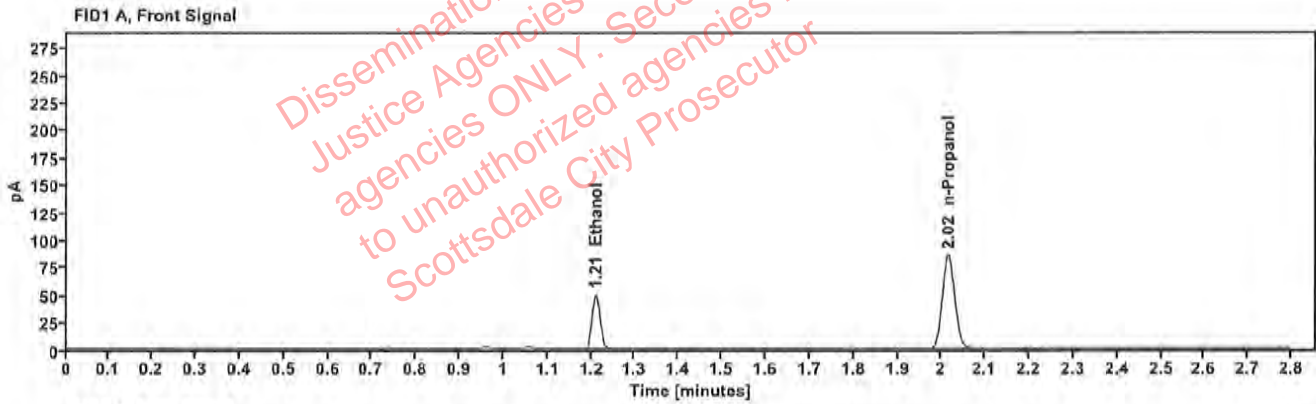


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1000	1.210	62.969
n-Propanol	---	2.015	169.762

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

Compound	Time (min)	Peak Area
Ethanol	1.357	68.357
n-Propanol	2.435	183.573

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300005-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:55:55 PM
Data file:	C:\Chem32\1\Data\25Jan23\39.D	Analyst:	Canonico

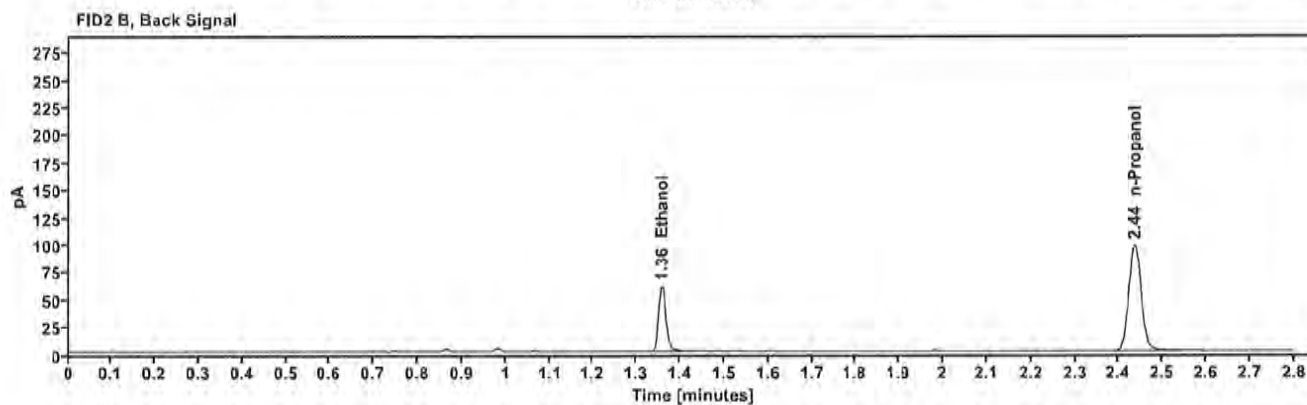
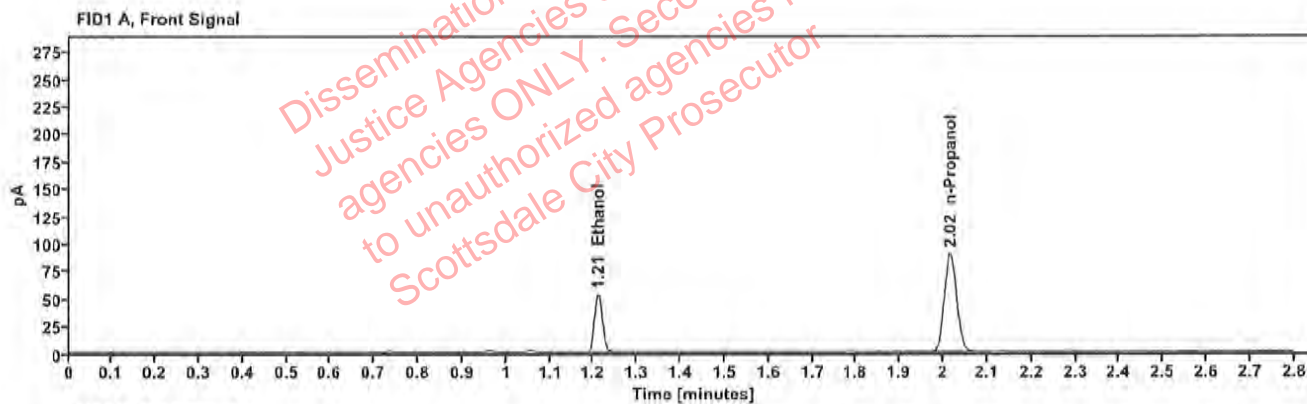


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1011	1.211	66.871
n-Propanol	---	2.016	178.320

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

Compound	Time (min)	Peak Area
Ethanol	1.358	72.546
n-Propanol	2.436	192.903

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300169-1	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 12:59:54 PM
Data file:	C:\Chem32\1\Data\25Jan23\40.D	Analyst:	Canonico

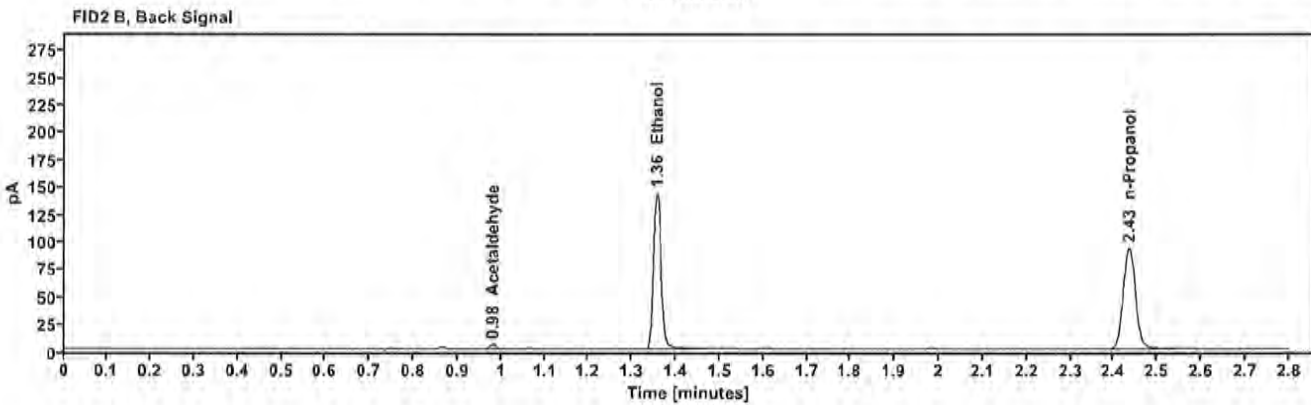
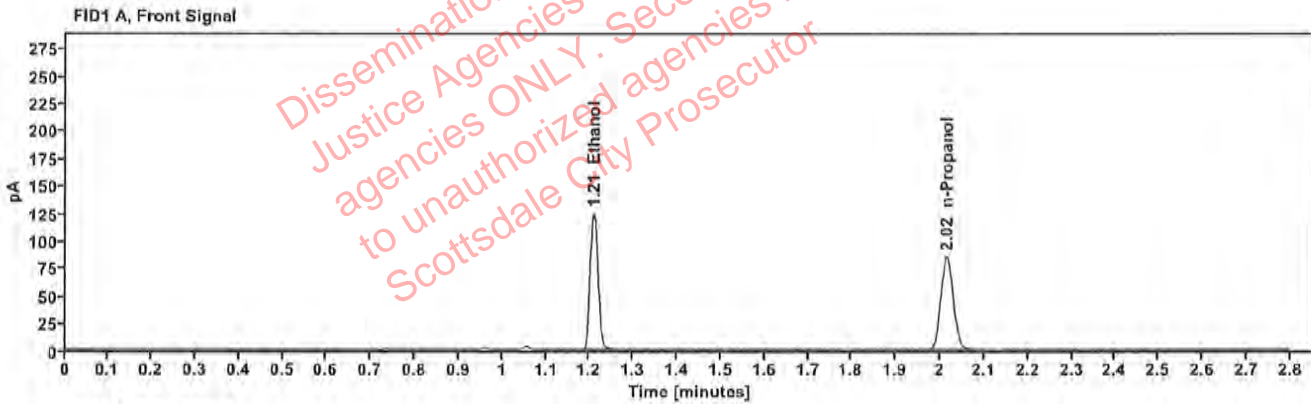


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2472	1.209	157.566
n-Propanol	-----	2.015	169.243

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	3.869
Ethanol	1.356	172.501
n-Propanol	2.435	183.002

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300169-1	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	25Jan23
Instrument:	US14173023 CN14160045	Injection date:	1/25/2023 1:03:55 PM
Data file:	C:\Chem32\1\Data\25Jan23\41.D	Analyst:	Canonico

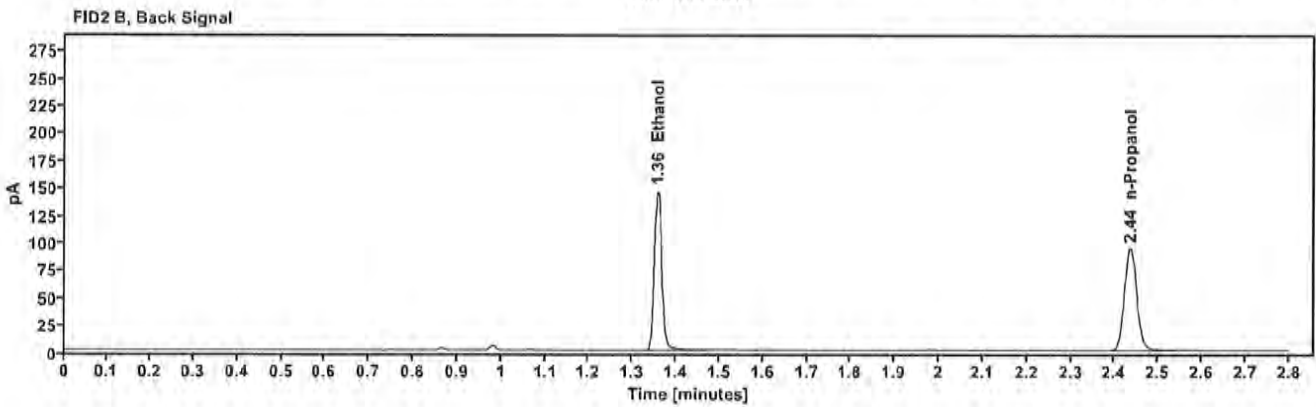
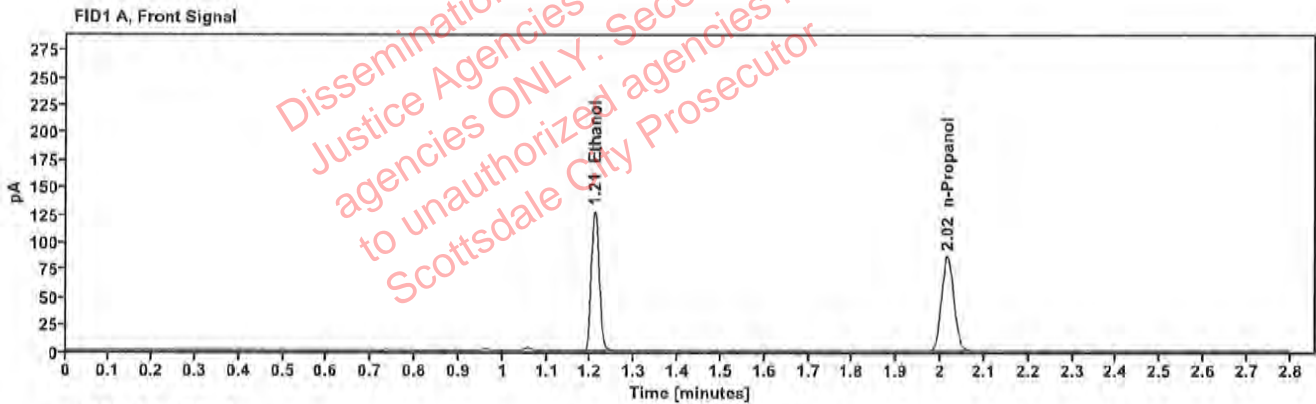


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2491	1.210	161.185
n-Propanol	—	2.016	171.824

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

Compound	Time (min)	Peak Area
Ethanol	1.357	176.359
n-Propanol	2.435	185.793