

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/17/23 SEQUENCE NAME 17Nov23

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN11172002 0.99999
 Vial 3 0.20 calibrator Lot FN03132302
 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 mix	6 compounds	6 compounds	SPD Lab 050721MIX
7	Aqueous control	0.400 g/dL	0.408 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	0.205 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.081 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	0.202 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD Lab 092223AQ

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid
 Run invalid

Philip B...
 Analyst

Run valid
 Run invalid

Erika Canonico
 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

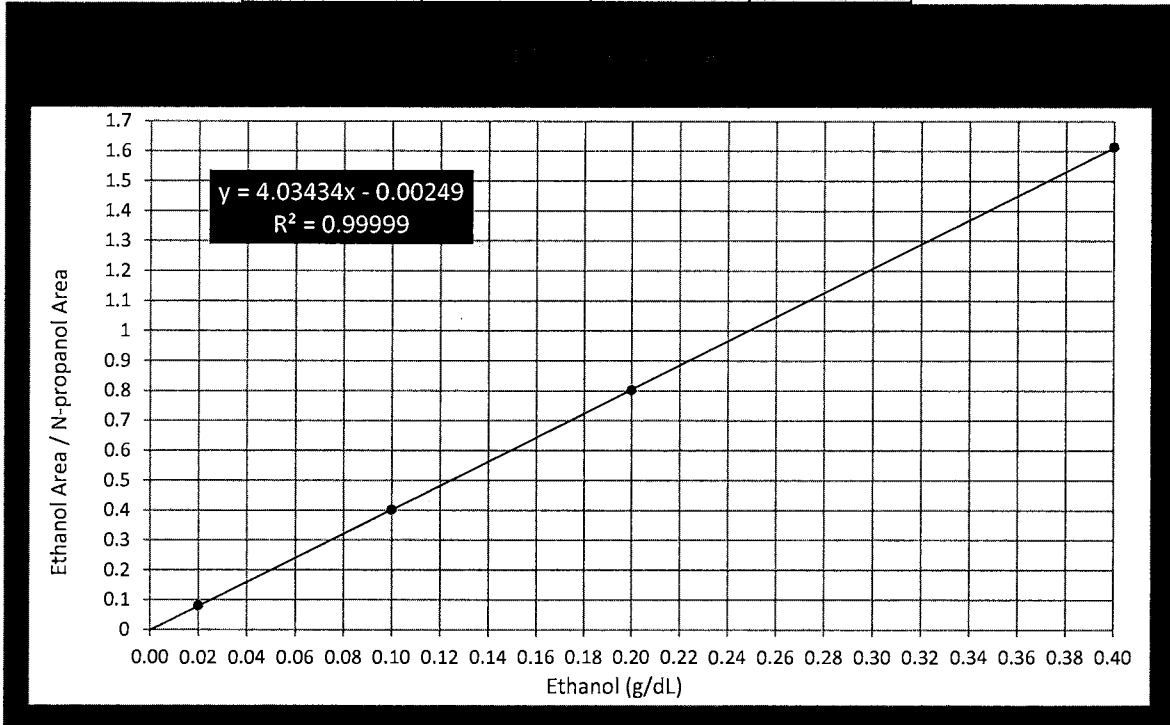
PB

SEQUENCE NAME: 17Nov23

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 Lipomed 30012020-A	7	0.408	0.400	2.00	0.008
0.040 Lipomed 14082019-B	8	0.041	0.040	2.50	0.001
0.199 ACQ 4110320133/11	9	0.205	0.199	3.02	0.006
0.080 Lipomed 20012020-B	20	0.081	0.080	1.25	0.001
0.080 Lipomed 20012020-B	31	0.081	0.080	1.25	0.001
0.400 Lipomed 30012020-A	42	0.402	0.400	0.50	0.002
0.040 Lipomed 14082019-B	43	0.040	0.040	0.00	0.000
0.199 ACQ 4110320133/11	44	0.202	0.199	1.51	0.003
blank 092223AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.009	150.737	0.080
0.100	59.492	148.417	0.401
0.200	120.310	150.063	0.802
0.400	238.029	147.613	1.613



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03122113	Vial: 1
Description: 0.020 calibrator	Sequence: 17Nov23
Method: ethanol quant.M	Injection date: 11/17/2023 1:10:10 PM
Instrument: US14173023 CN14160045	Analyst: Brooke RB
Data file: C:\Chem32\1\Data\17Nov23\1.D	

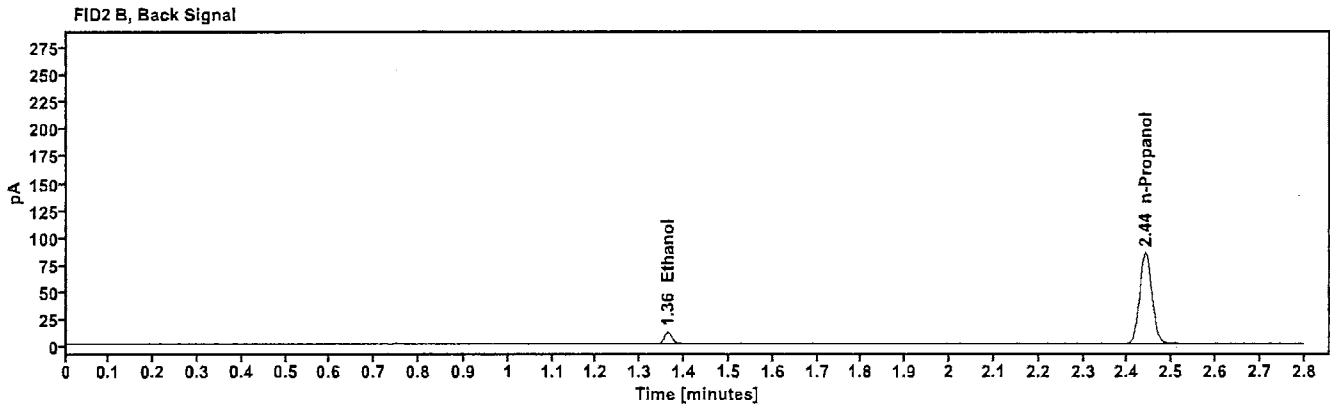
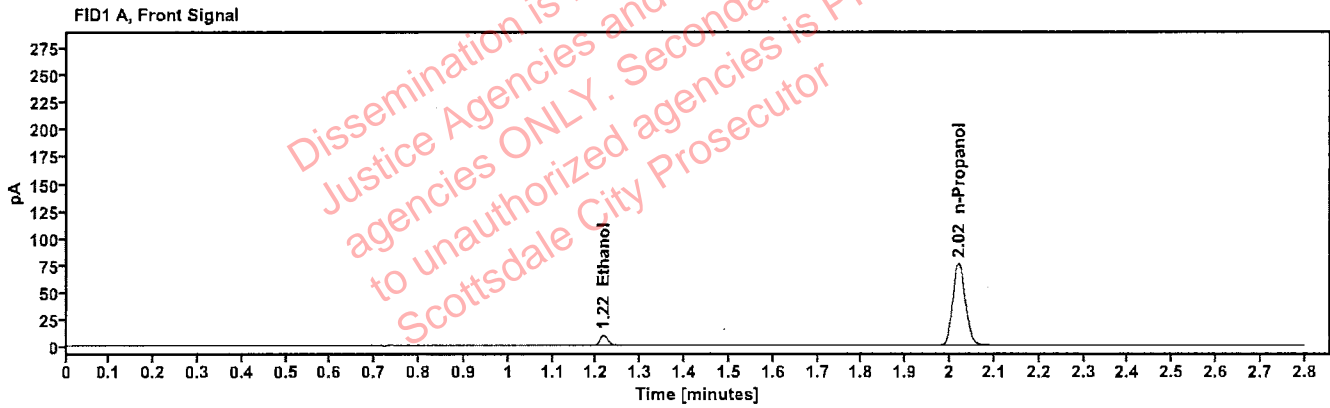


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.215	12.009
n-Propanol	2.020	150.737

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

Compound	Time (min)	Peak Area
Ethanol	1.363	13.252
n-Propanol	2.441	165.343

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN11172002	Vial: 2
Description: 0.100 calibrator	Sequence: 17Nov23
Method: ethanol quant.M	Injection date: 11/17/2023 1:14:10 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\17Nov23\2.D	

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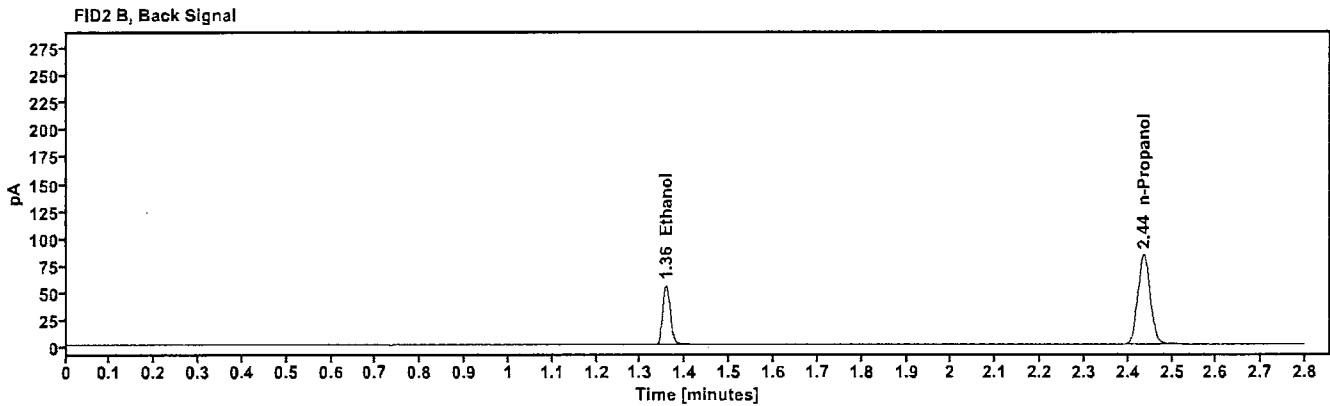
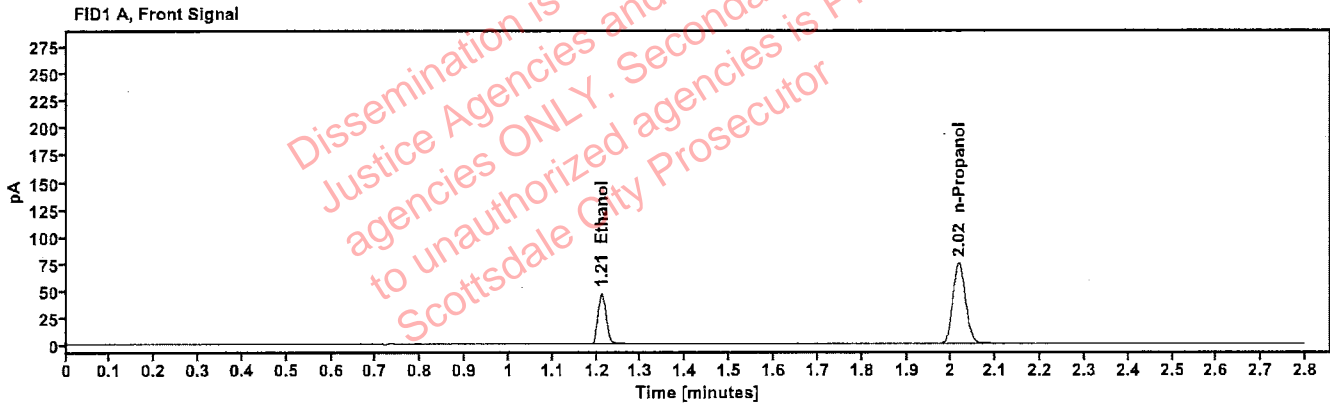


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	59.492
n-Propanol	2.017	148.417

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

Compound	Time (min)	Peak Area
Ethanol	1.357	65.523
n-Propanol	2.436	162.833

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03132302	Vial: 3
Description: 0.200 calibrator	Sequence: 17Nov23
Method: ethanol quant.M	Injection date: 11/17/2023 1:18:11 PM
Instrument: US14173023 CN14160045	Analyst: Brooke YRS
Data file: C:\Chem32\1\Data\17Nov23\3.D	

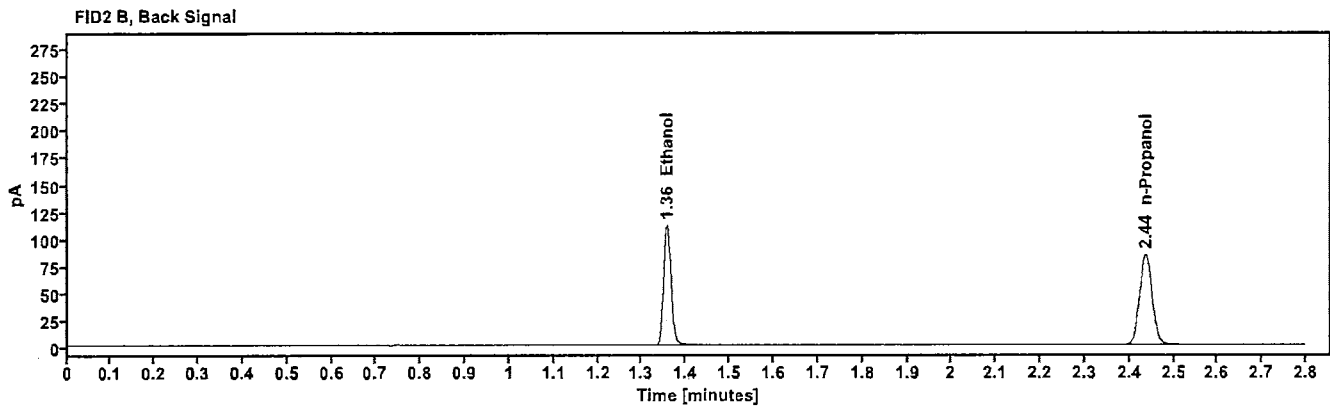
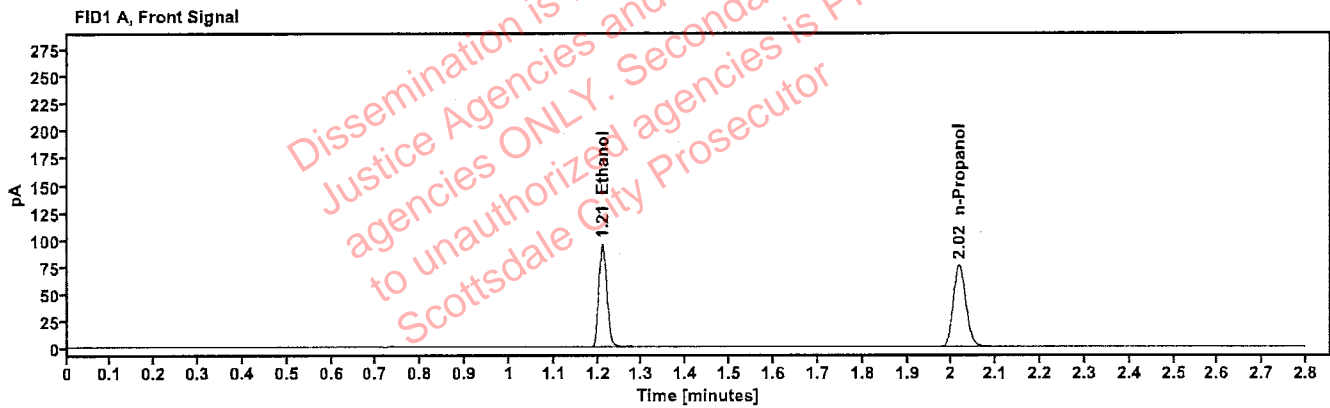


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	120.310
n-Propanol	2.017	150.063

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

Compound	Time (min)	Peak Area
Ethanol	1.357	132.670
n-Propanol	2.436	164.491

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 17Nov23
Method: ethanol quant.M	Injection date: 11/17/2023 1:22:11 PM
Instrument: US14173023 CN14160045	Analyst: Brooke AS
Data file: C:\Chem32\1\Data\17Nov23\4.D	

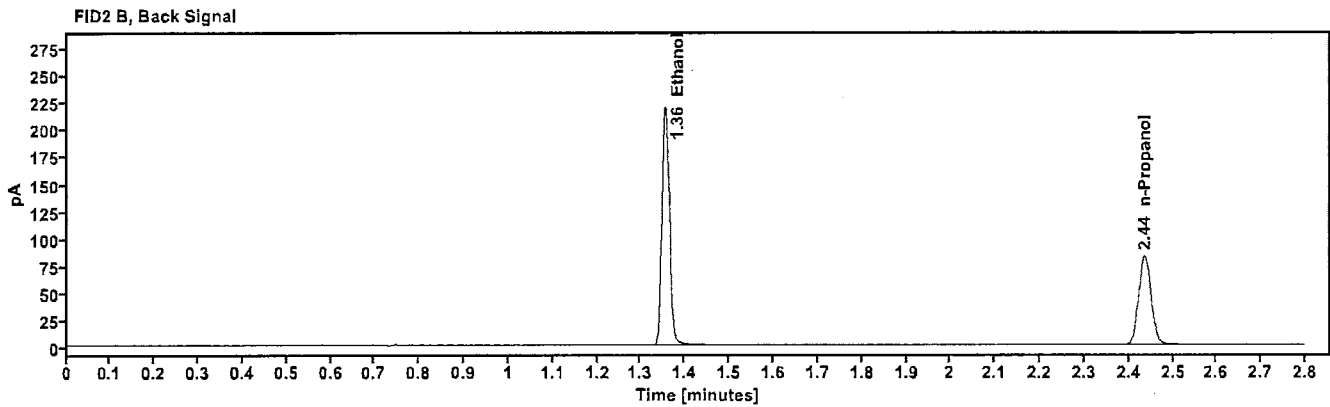
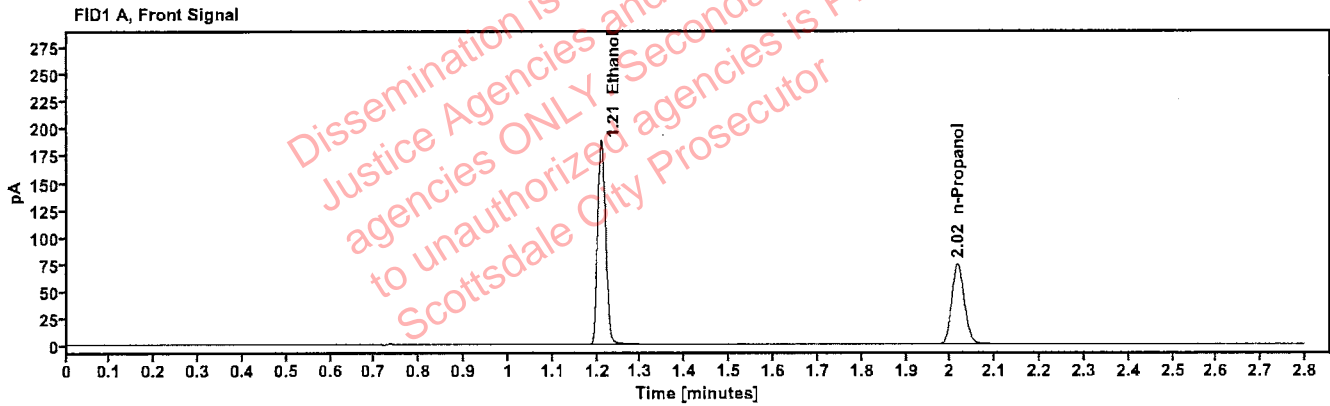


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	238.029
n-Propanol	2.017	147.613

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

Compound	Time (min)	Peak Area
Ethanol	1.356	262.664
n-Propanol	2.436	161.883

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 1:26:11 PM 193
Data file: C:\Chem32\1\Data\17Nov23\5.D	Analyst: Brooke

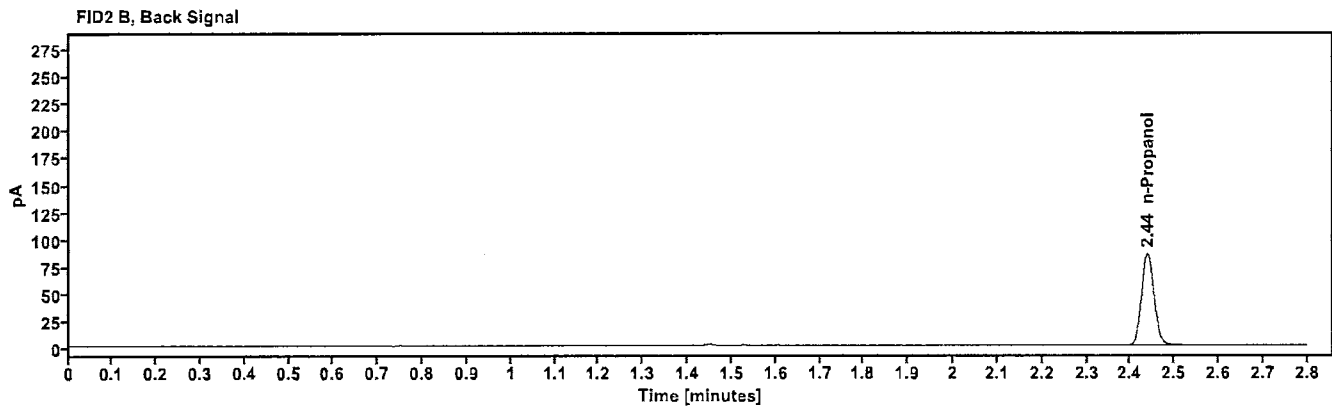
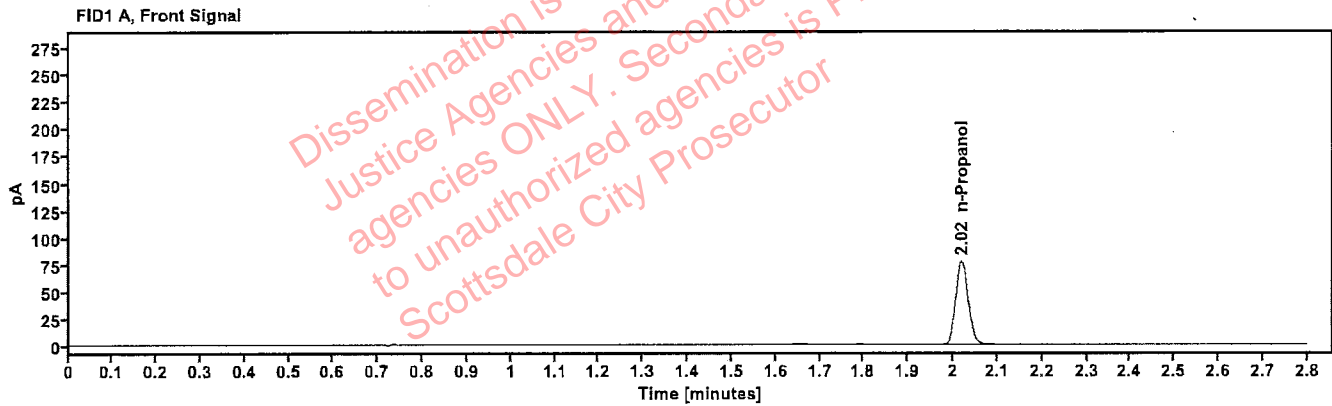


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.019	152.807

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

Compound	Time (min)	Peak Area
n-Propanol	2.439	167.867

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 1:30:11 PM
Data file: C:\Chem321\Data\17Nov23\6.D	Analyst: Brooke

RB

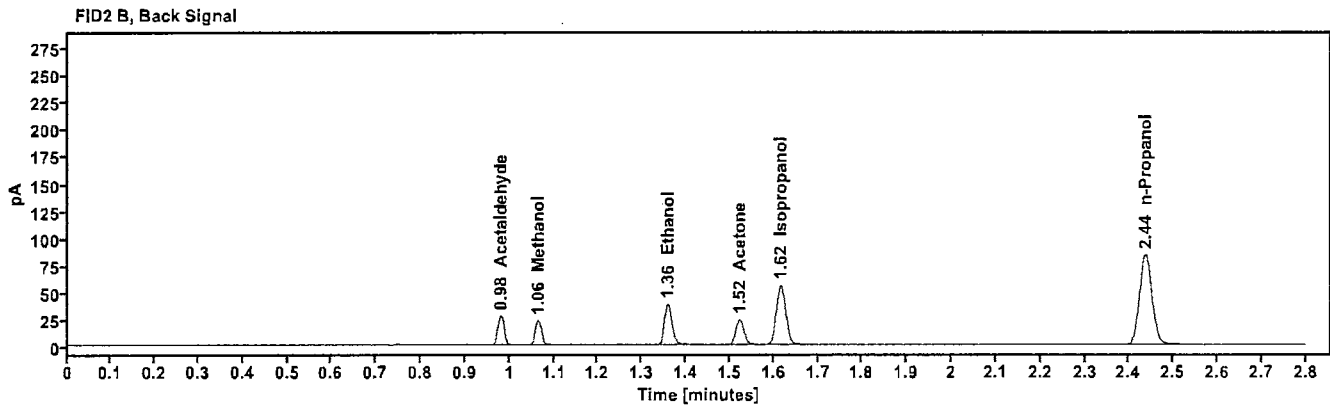
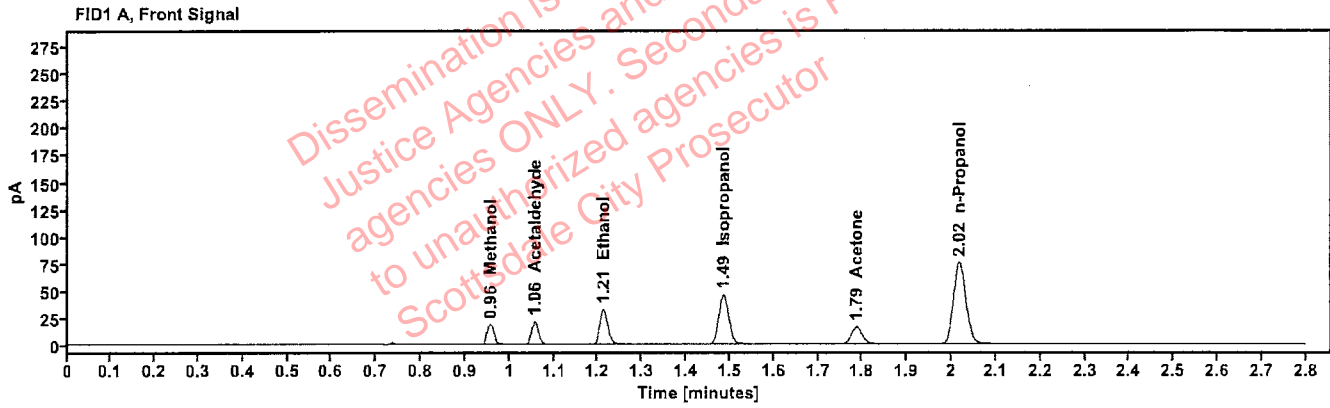


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.958	20.839
Acetaldehyde	-----	1.056	22.914
>Ethanol	0.0685	1.212	40.919
Isopropanol	-----	1.485	72.596
Acetone	-----	1.786	27.077
n-Propanol	-----	2.018	149.436

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	25.744
Methanol	1.064	23.109
Ethanol	1.358	44.978
Acetone	1.523	29.848
Isopropanol	1.617	80.666
n-Propanol	2.437	163.678

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 1:34:25 PM
Data file: C:\Chem32\1\Data\17Nov23\7.D	Analyst: Brooke

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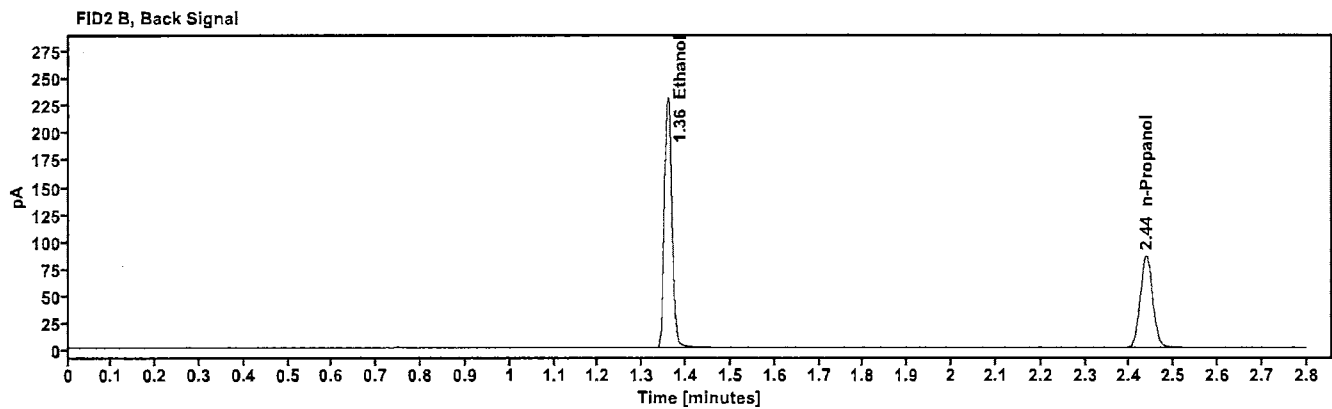
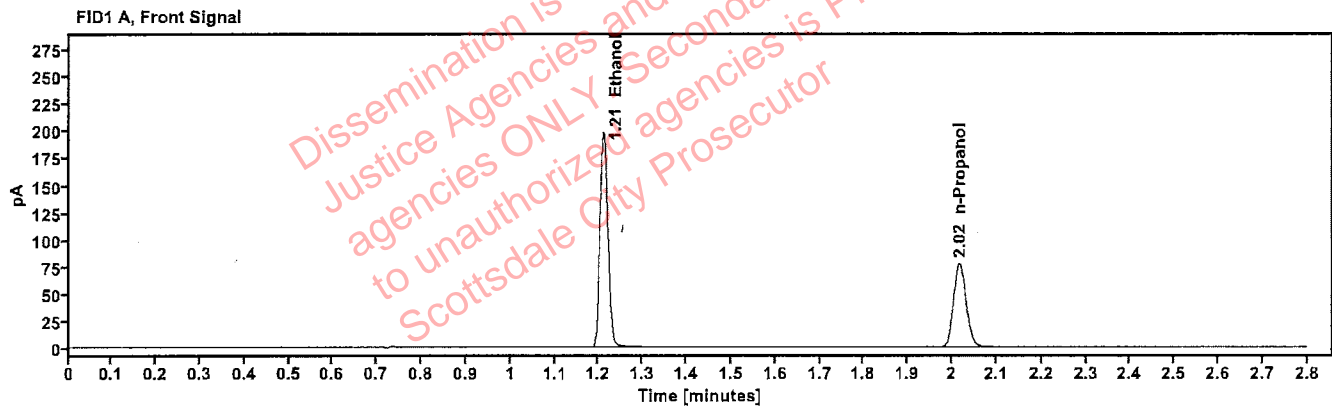


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4082	1.211	251.765
n-Propanol	-----	2.017	153.116

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

Compound	Time (min)	Peak Area
Ethanol	1.359	277.134
n-Propanol	2.437	167.308

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 1:38:25 PM
Data file: C:\Chem32\1\Data\17Nov23\8.D	Analyst: Brooke

YBS

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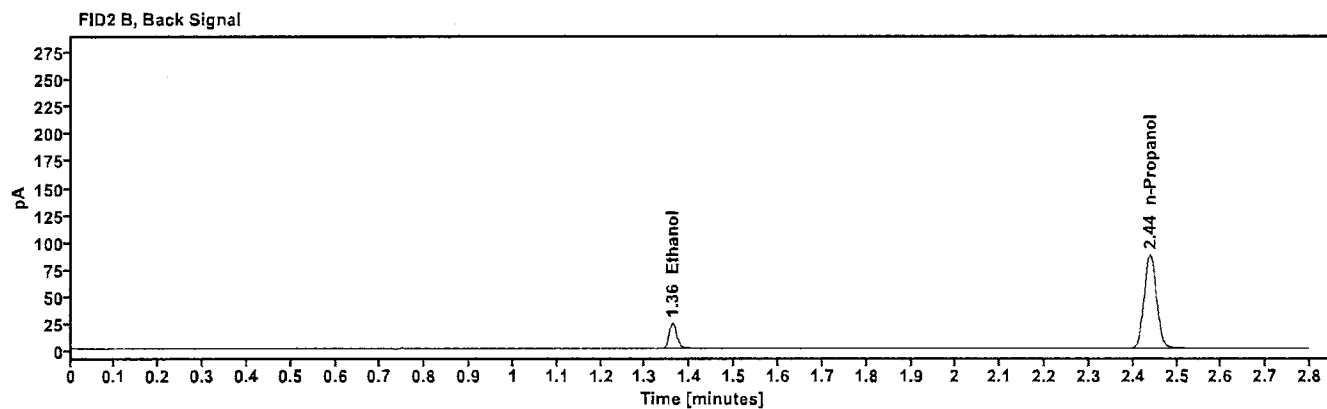
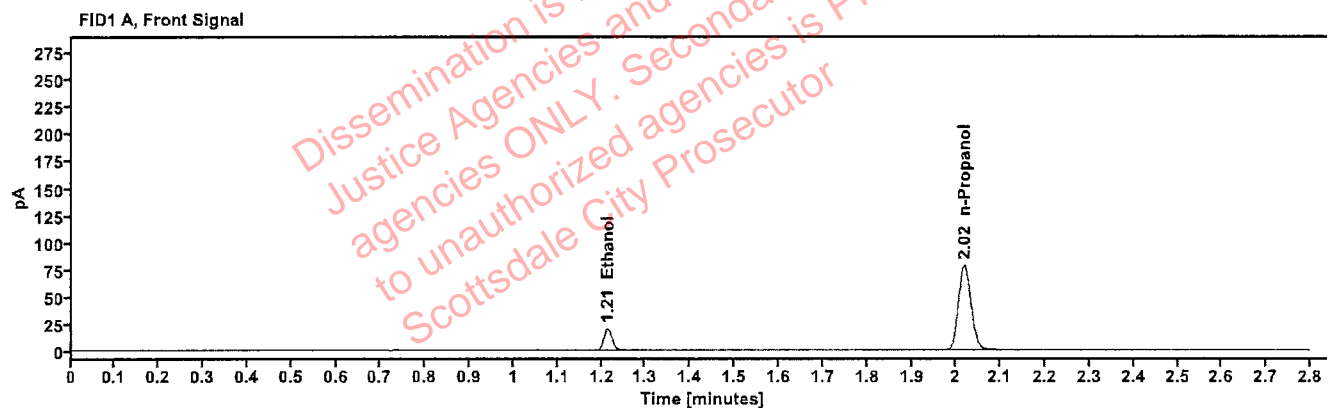


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0413	1.213	25.554
n-Propanol	-----	2.018	155.790

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

Compound	Time (min)	Peak Area
Ethanol	1.361	28.095
n-Propanol	2.439	170.592

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 1:42:25 PM
Data file: C:\Chem32\1\Data\17Nov23\9.D	Analyst: Brooke

YB

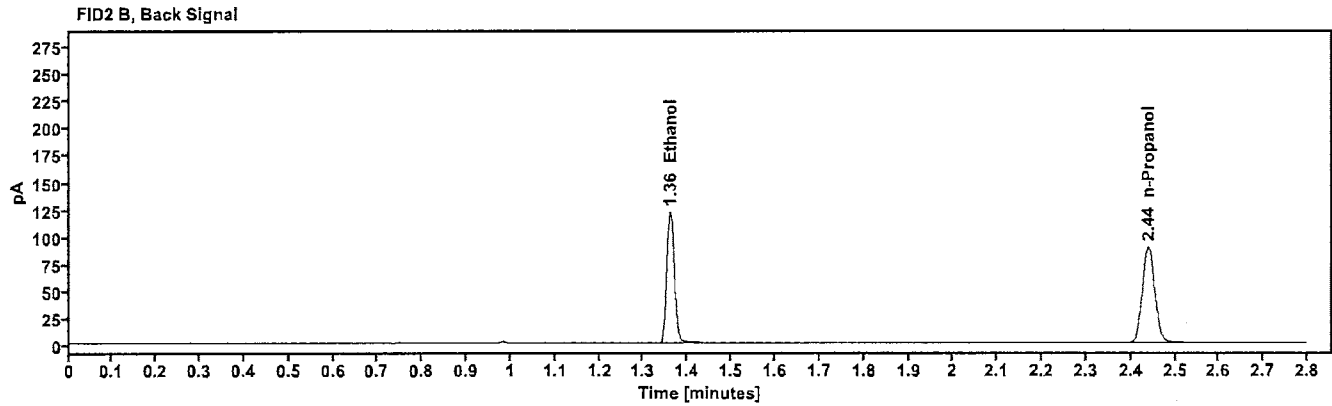
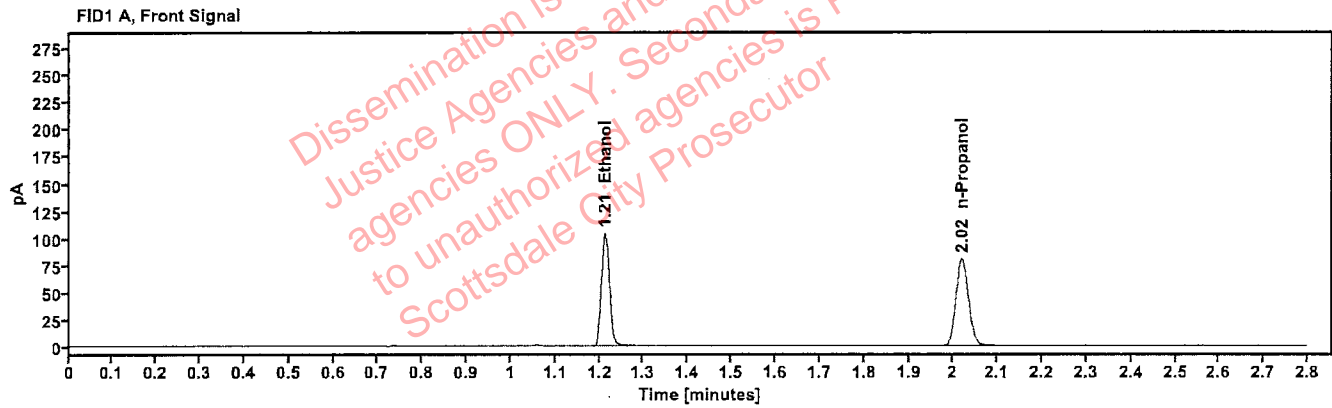


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2056	1.212	132.269
n-Propanol	-----	2.019	159.926

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

Compound	Time (min)	Peak Area
Ethanol	1.360	145.532
n-Propanol	2.440	175.421

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 2:26:56 PM
Data file: C:\Chem32\1\Data\17Nov23\20.D	Analyst: Brooke

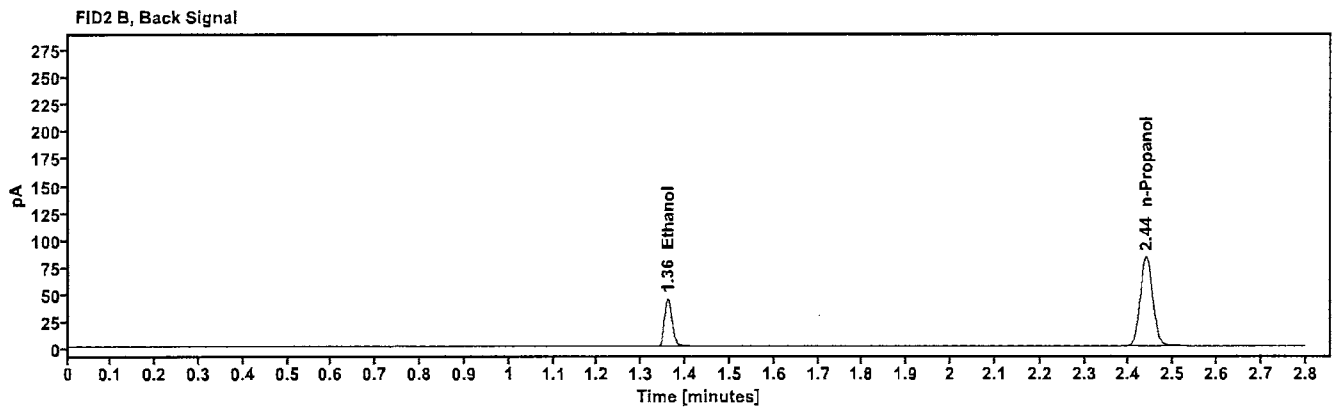
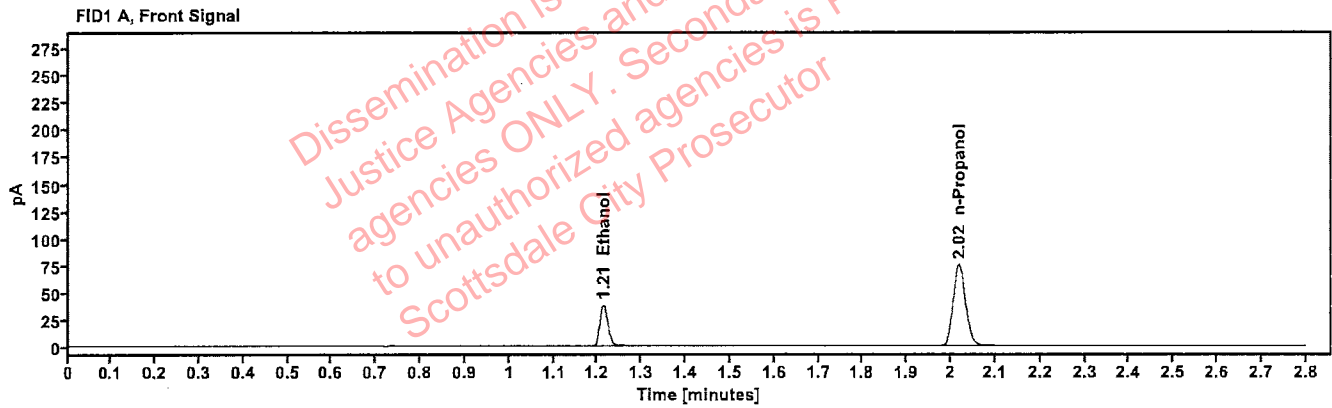


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.213	48.233
n-Propanol	---	2.019	148.779

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

Compound	Time (min)	Peak Area
Ethanol	1.360	53.264
n-Propanol	2.439	163.096

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 3:11:26 PM
Data file: C:\Chem32\1\Data\17Nov23\31.D	Analyst: Brooke

YB

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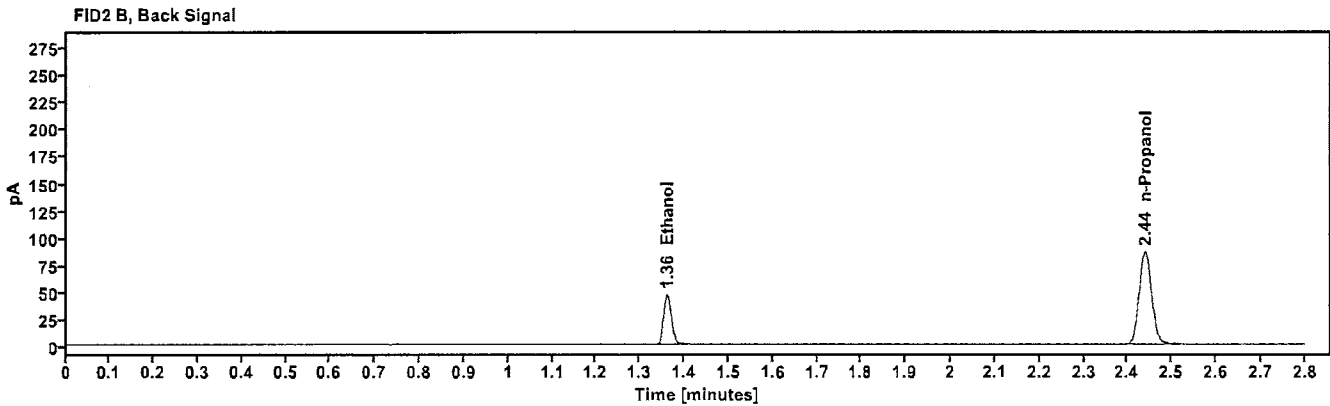
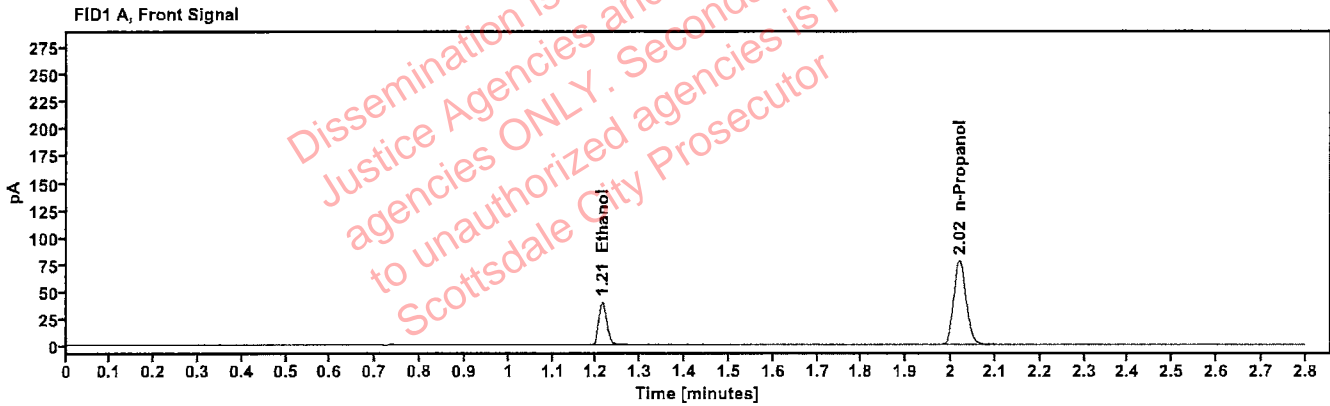


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0819	1.213	50.691
n-Propanol	-----	2.020	154.514

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

Compound	Time (min)	Peak Area
Ethanol	1.361	55.828
n-Propanol	2.440	169.361

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 3:55:41 PM
Data file: C:\Chem32\1\Data\17Nov23\42.D	Analyst: Brooke

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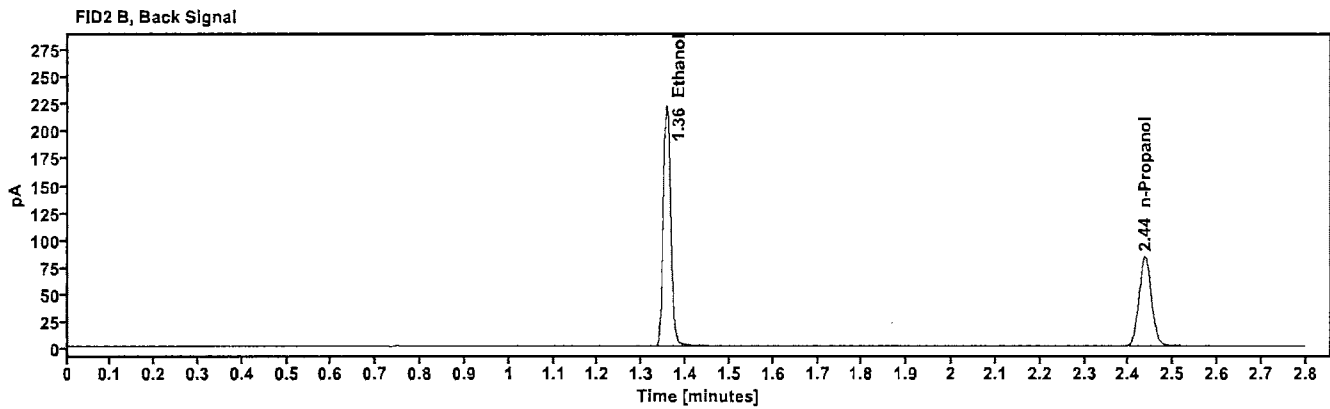
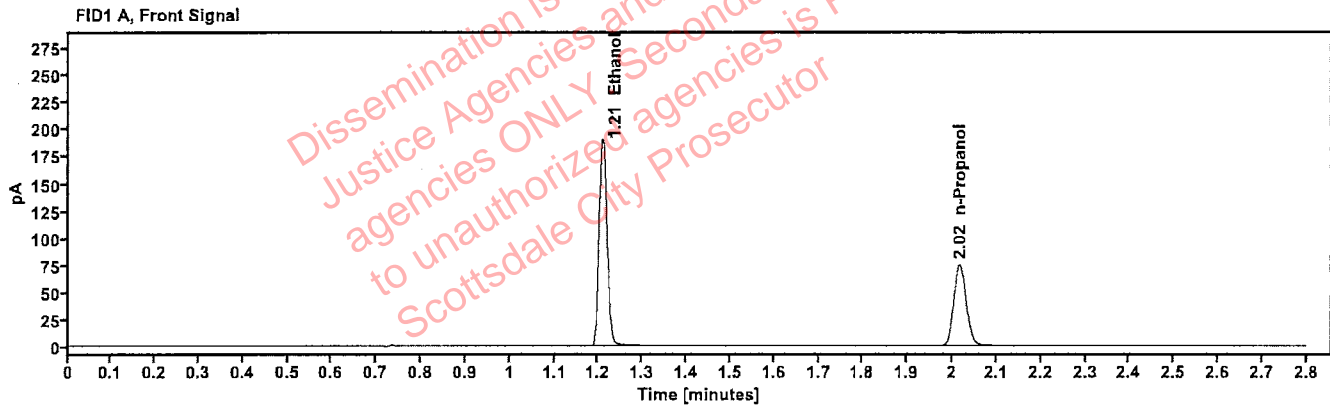


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4025	1.209	240.606
n-Propanol	-----	2.017	148.394

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

Compound	Time (min)	Peak Area
Ethanol	1.356	265.667
n-Propanol	2.436	162.633

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 3:59:55 PM
Data file: C:\Chem32\1\Data\17Nov23\43.D	Analyst: Brooke

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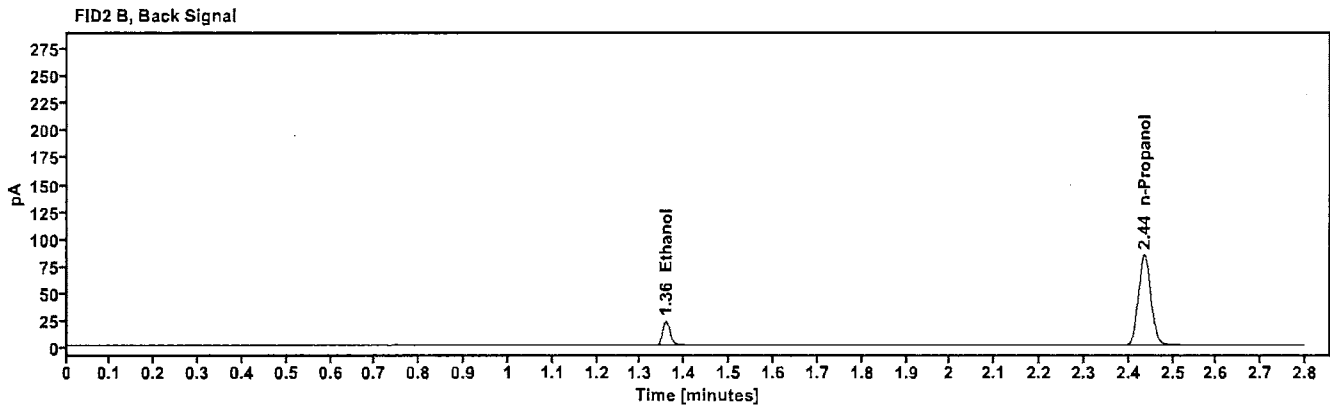
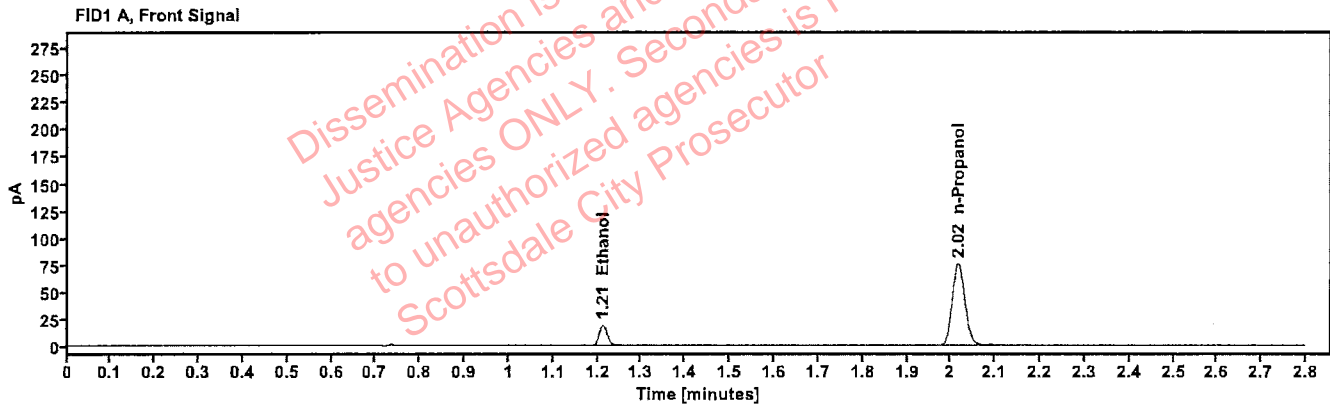


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0404	1.212	24.195
n-Propanol	-----	2.017	150.567

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.557
n-Propanol	2.436	165.218

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/11	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 4:03:55 PM
Data file:	C:\Chem32\1\Data\17Nov23\44.D	Analyst:	Brooke

MB

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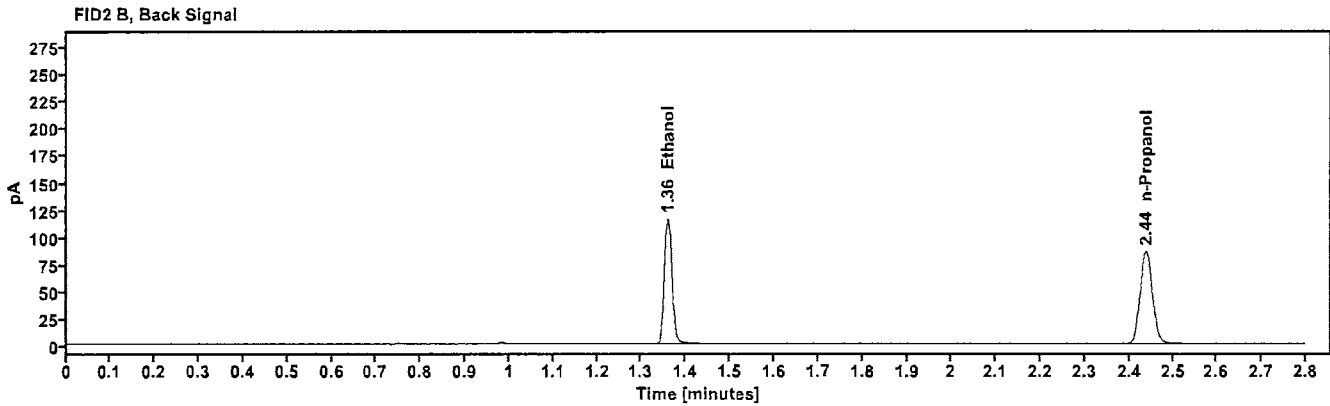
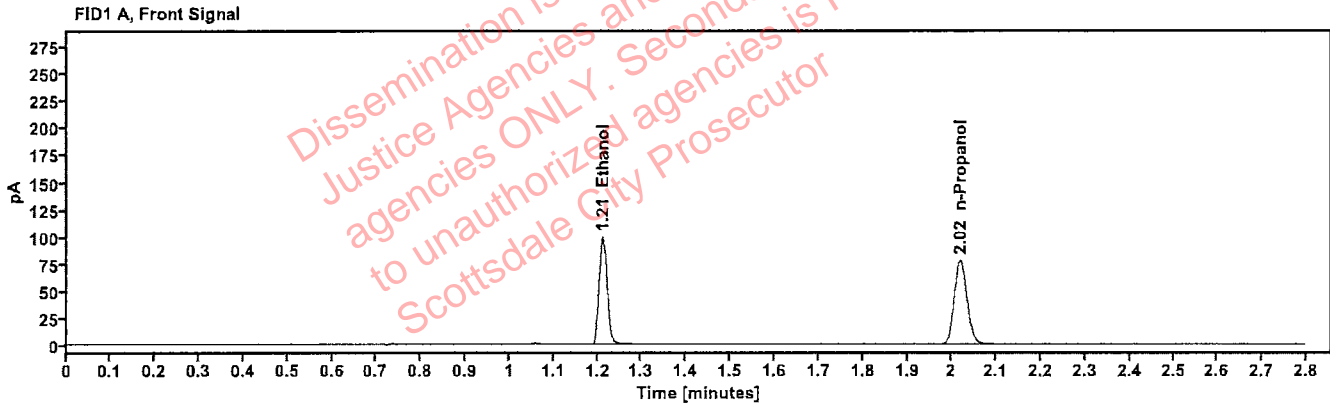


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2028	1.212	125.752
n-Propanol	-----	2.019	154.160

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

Compound	Time (min)	Peak Area
Ethanol	1.359	138.587
n-Propanol	2.439	169.131

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 092223AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov23
Instrument: US14173023 CN14160045	Injection date: 11/17/2023 4:07:55 PM
Data file: C:\Chem32\1\Data\17Nov23\45.D	Analyst: Brooke

PB

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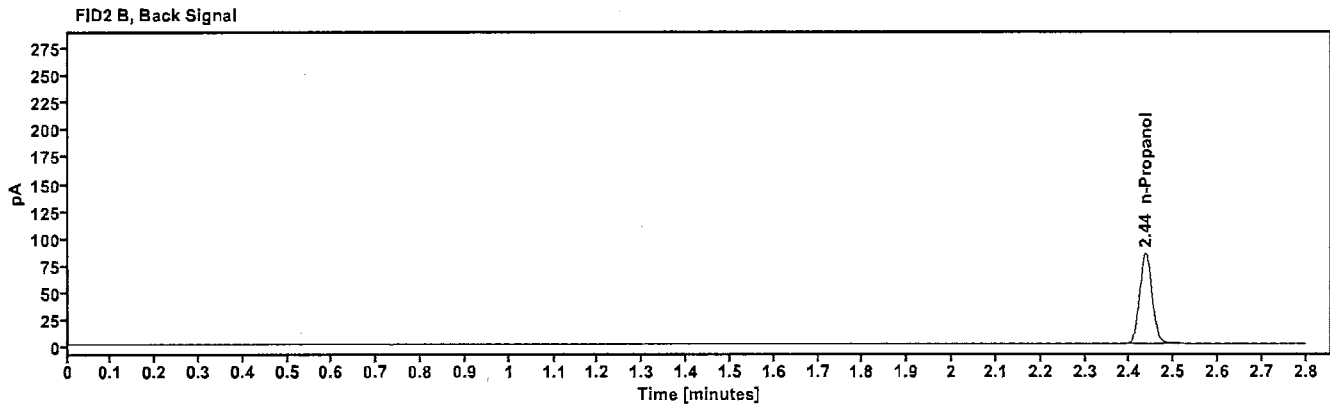
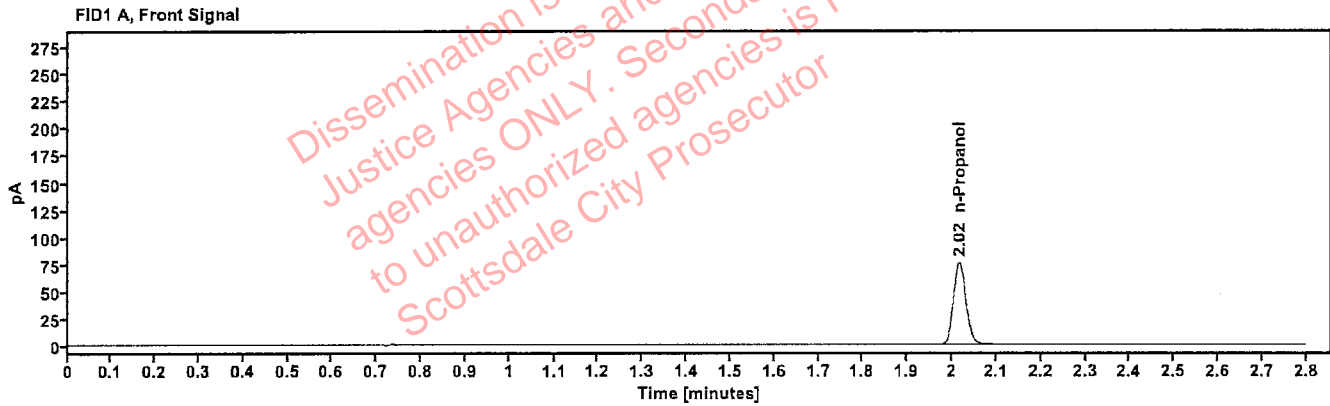


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.017	151.051

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	165.578

Sequence Summary

PB

Sequence name: 17Nov23 Instrument: US14173023 CN14160045 Analyst: Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN11172002	0.100 calibrator	Calibration		ethanol quant.M
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	409-01T.L.		Sample		ethanol quant.M
11	409-01T.L.		Sample		ethanol quant.M
12	353-01M.R.		Sample		ethanol quant.M
13	353-01M.R.		Sample		ethanol quant.M
14	2322980-1		Sample		ethanol quant.M
15	2322980-1		Sample		ethanol quant.M
16	2322929-2		Sample		ethanol quant.M
17	2322929-2		Sample		ethanol quant.M
18	2323111-1		Sample		ethanol quant.M
19	2323111-1		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2323048-2		Sample		ethanol quant.M
22	2323048-2		Sample		ethanol quant.M
23	2323253-1		Sample		ethanol quant.M
24	2323253-1		Sample		ethanol quant.M
25	2323261-3		Sample		ethanol quant.M
26	2323261-3		Sample		ethanol quant.M
27	2323307-2		Sample		ethanol quant.M
28	2323307-2		Sample		ethanol quant.M
29	2323327-2		Sample		ethanol quant.M
30	2323327-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2321490-4		Sample		ethanol quant.M
33	2321490-4		Sample		ethanol quant.M
34	2323387-2		Sample		ethanol quant.M
35	2323387-2		Sample		ethanol quant.M
36	2323402-1		Sample		ethanol quant.M
37	2323402-1		Sample		ethanol quant.M
38	2323303-2		Sample		ethanol quant.M
39	2323303-2		Sample		ethanol quant.M
40	2322827-2		Sample		ethanol quant.M
41	2322827-2		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/11	0.199	Control		ethanol quant.M
45	092223AQ	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases

PB

SEQUENCE NAME: 17Nov23

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1851	0.1860	0.18555	0.24	0.00045
12 13	0.1991	0.2009	0.20000	0.45	0.00090
14 15	0.2363	0.2390	0.23765	0.57	0.00135
16 17	0.1614	0.1605	0.16095	0.28	0.00045
18 19	0.2244	0.2228	0.22360	0.36	0.00080
21 22	0.2023	0.2017	0.20200	0.15	0.00030
23 24	0.2340	0.2326	0.23330	0.30	0.00070
25 26	0.1800	0.1842	0.18210	1.15	0.00210
27 28	0.0914	0.0919	0.09165	0.27	0.00025
29 30	0.2381	0.2366	0.23735	0.32	0.00075
32 33	0.0950	0.0945	0.09475	0.26	0.00025
34 35	0.1192	0.1195	0.11935	0.13	0.00015
36 37	0.2985	0.3030	0.30075	0.75	0.00225
38 39	0.0518	0.0516	0.05170	0.19	0.00010
40 41	0.3049	0.3060	0.30545	0.18	0.00055

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01T.L.	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 1:46:25 PM
Data file:	C:\Chem32\1\Data\17Nov23\10.D	Analyst:	Brooke

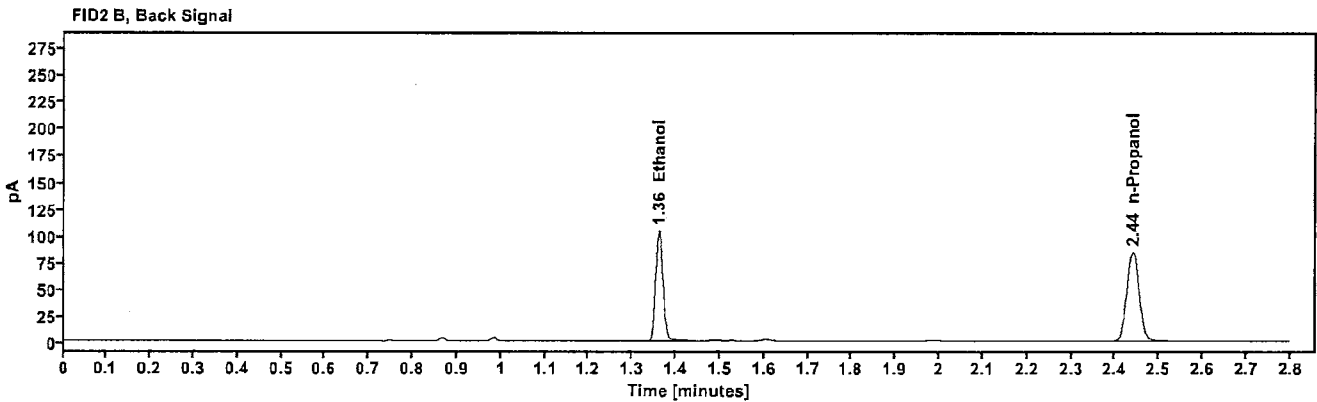
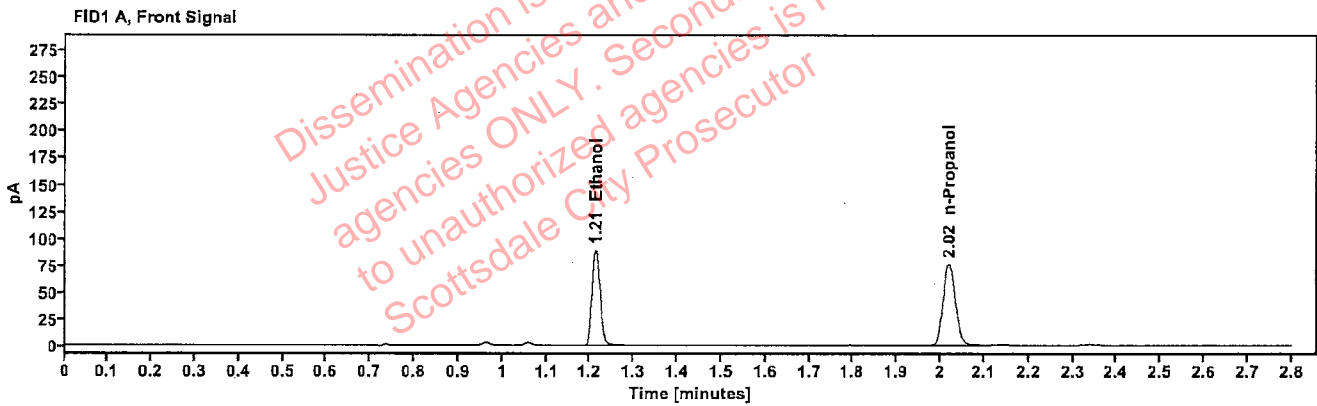


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1851	1.213	112.954
n-Propanol	-----	2.019	151.796

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

Compound	Time (min)	Peak Area
Ethanol	1.360	124.554
n-Propanol	2.440	165.956

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01T.L.	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 1:50:25 PM
Data file:	C:\Chem32\1\Data\17Nov23\11.D	Analyst:	Brooke

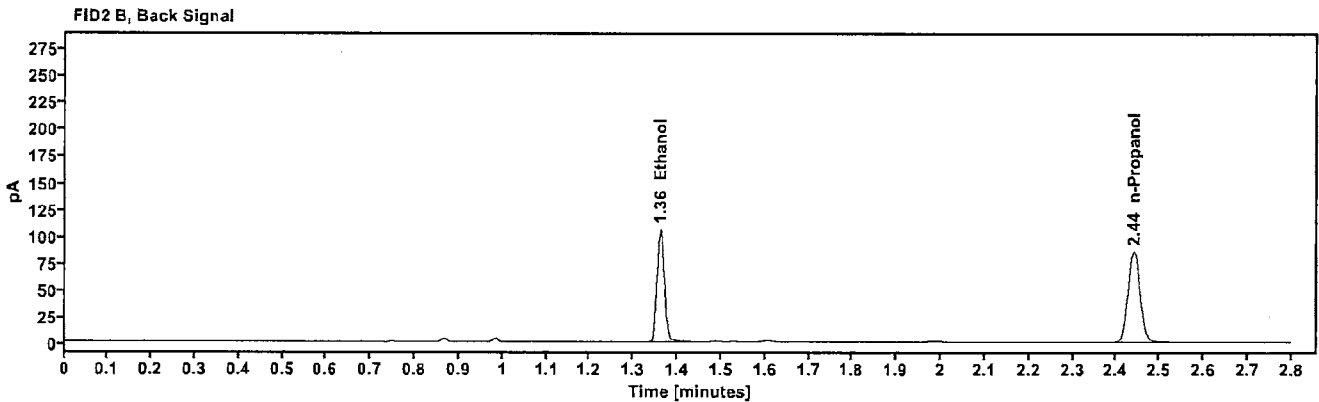
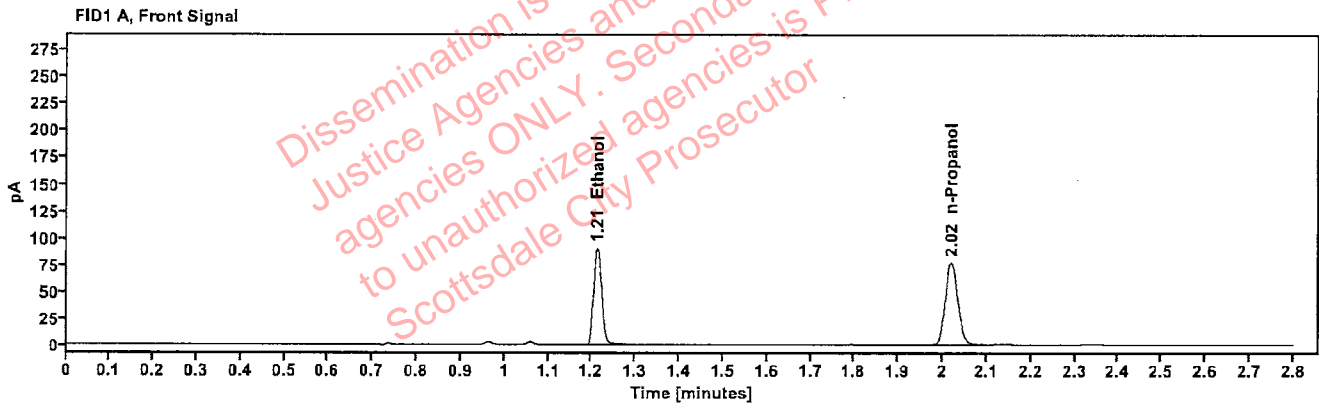


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1860	1.213	115.120
n-Propanol	---	2.020	153.960

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

Compound	Time (min)	Peak Area
Ethanol	1.360	127.034
n-Propanol	2.440	168.268

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.R.	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 1:54:25 PM
Data file:	C:\Chem32\1\Data\17Nov23\12.D	Analyst:	Brooke

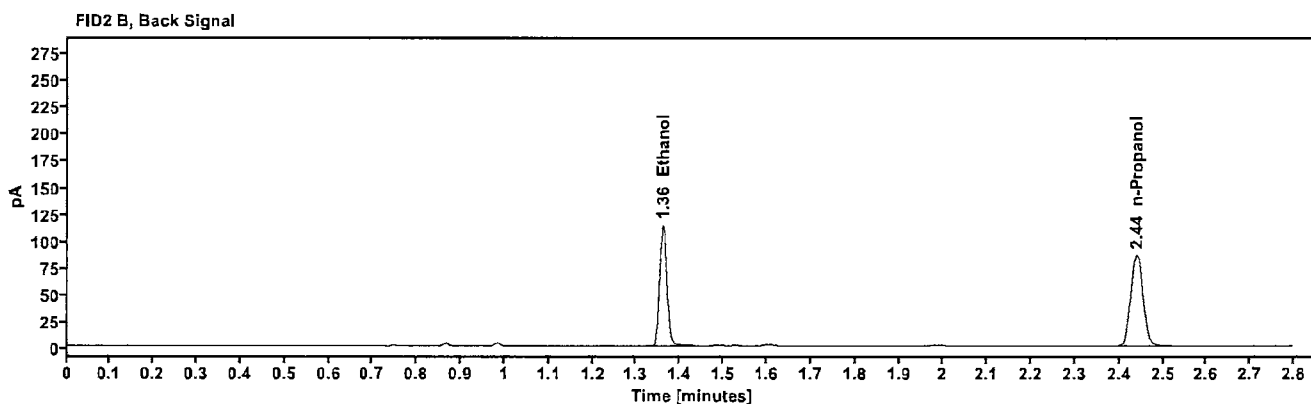
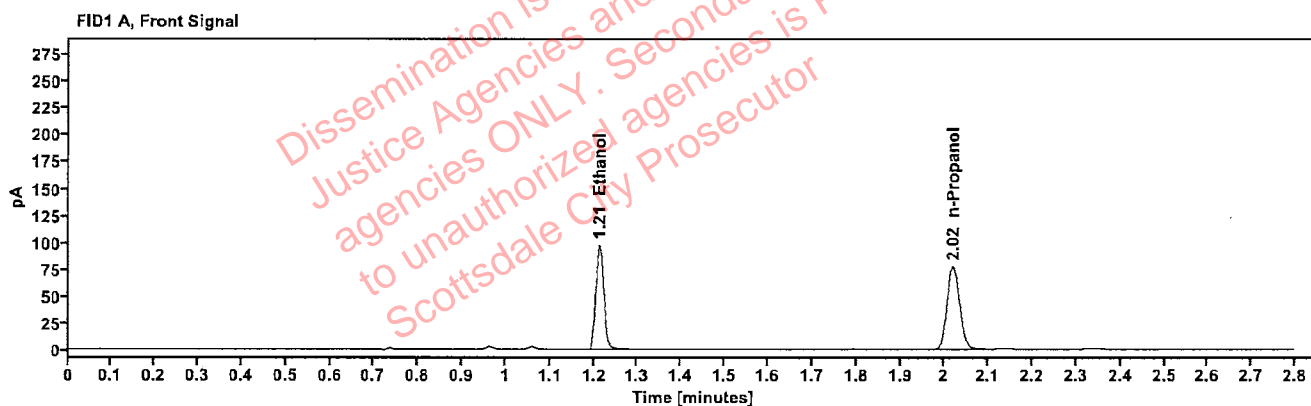


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1991	1.212	123.739
n-Propanol	-----	2.020	154.536

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

Compound	Time (min)	Peak Area
Ethanol	1.360	136.619
n-Propanol	2.440	169.062

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.R.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 1:58:40 PM
Data file:	C:\Chem32\1\Data\17Nov23\13.D	Analyst:	Brooke

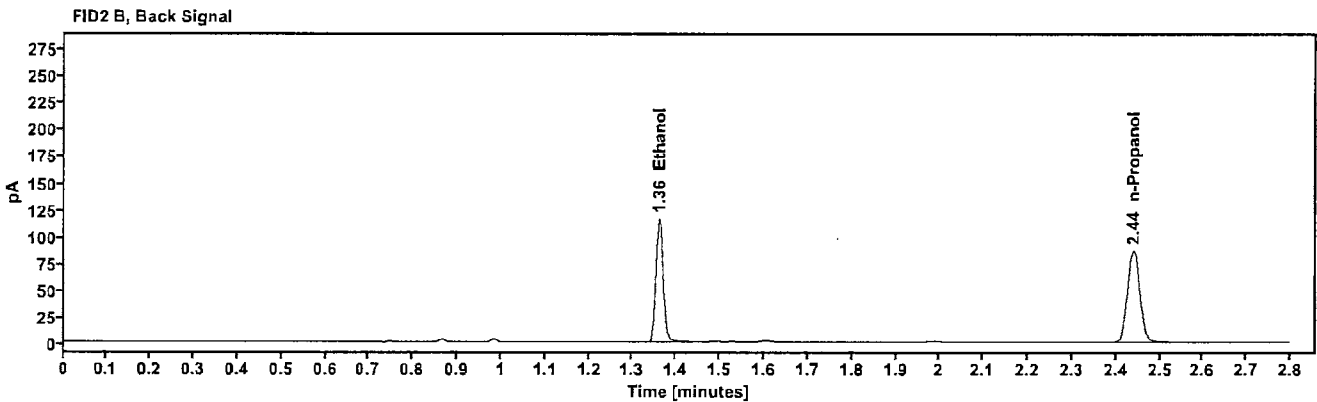
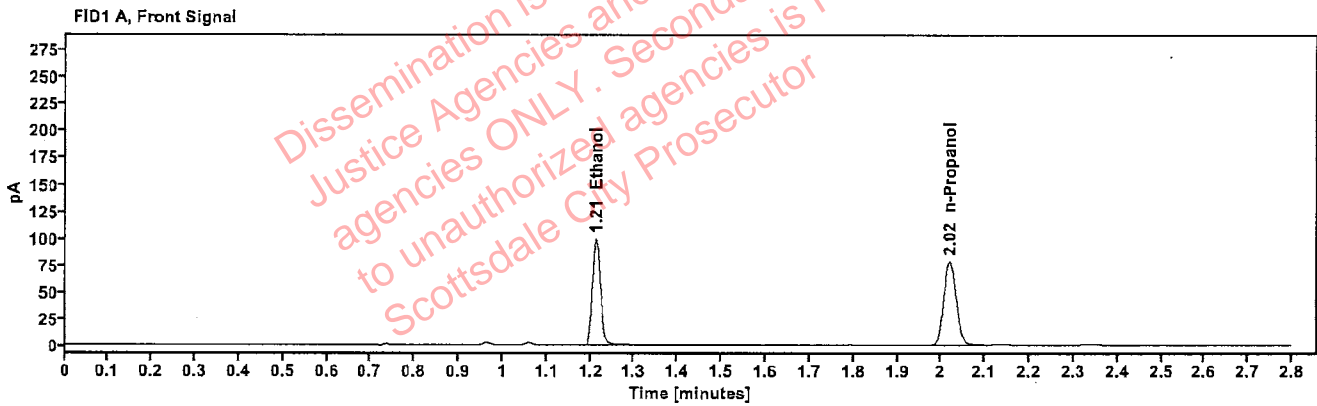


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2009	1.213	126.373
n-Propanol	---	2.020	156.373

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

Compound	Time (min)	Peak Area
Ethanol	1.360	139.197
n-Propanol	2.440	170.977

██████████: Brooke, Phillip - (20-Nov-2023)

Case: ██████████ User: pbrooke 11/20/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2322980-1	Vial:	14
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:02:40 PM
Data file:	C:\Chem32\1\Data\17Nov23\14.D	Analyst:	Brooke

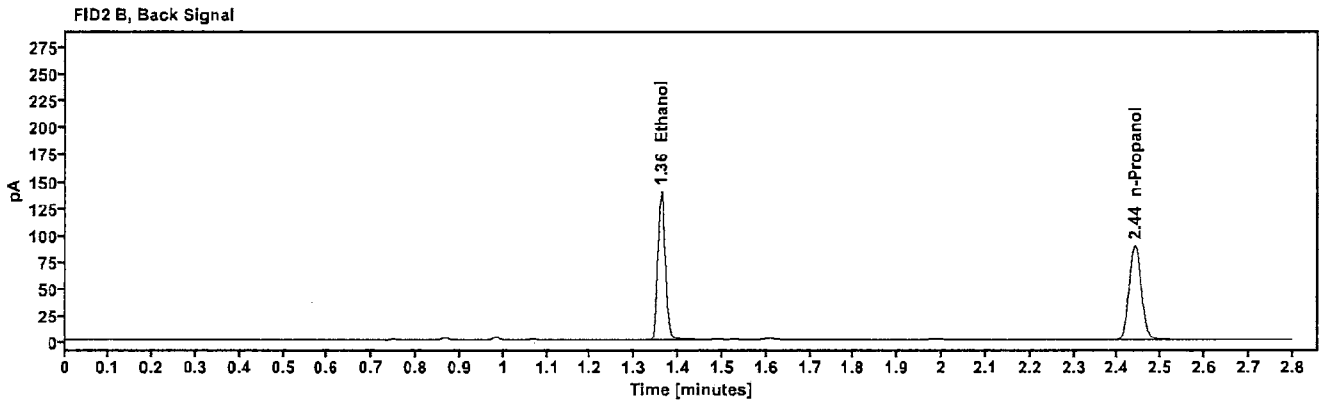
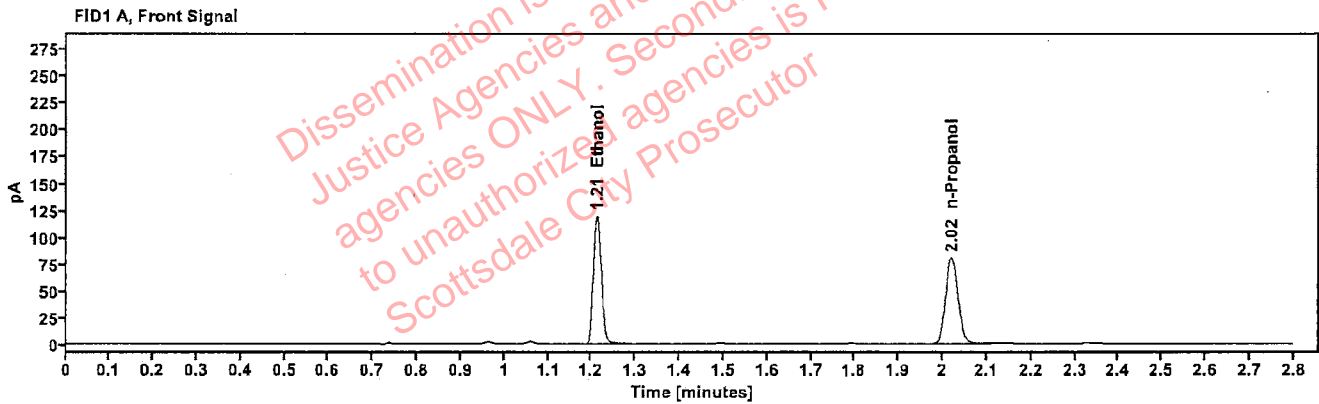


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2363	1.212	151.536
n-Propanol	----	2.020	159.407

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

Compound	Time (min)	Peak Area
Ethanol	1.360	167.188
n-Propanol	2.440	175.025

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2322980-1	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:06:40 PM
Data file:	C:\Chem32\1\Data\17Nov23\15.D	Analyst:	Brooke

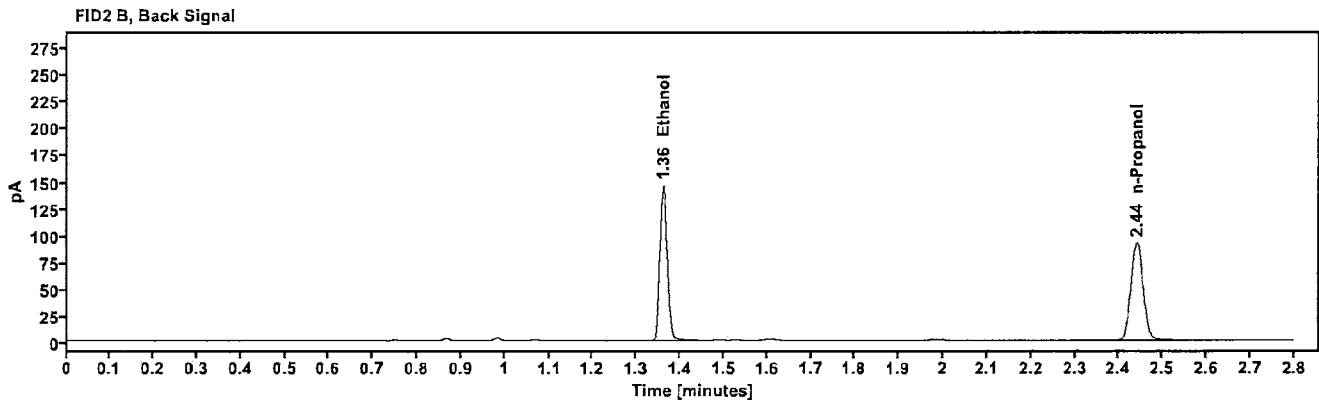
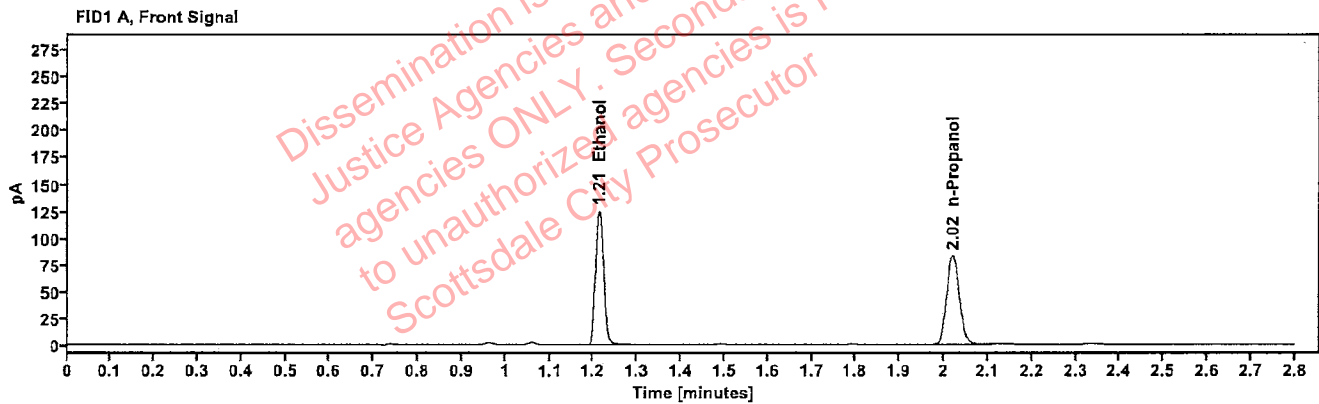


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2390	1.213	158.417
n-Propanol	-----	2.020	164.694

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

Compound	Time (min)	Peak Area
Ethanol	1.361	174.914
n-Propanol	2.440	180.904

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2322929-2	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:10:41 PM
Data file:	C:\Chem32\1\Data\17Nov23\16.D	Analyst:	Brooke

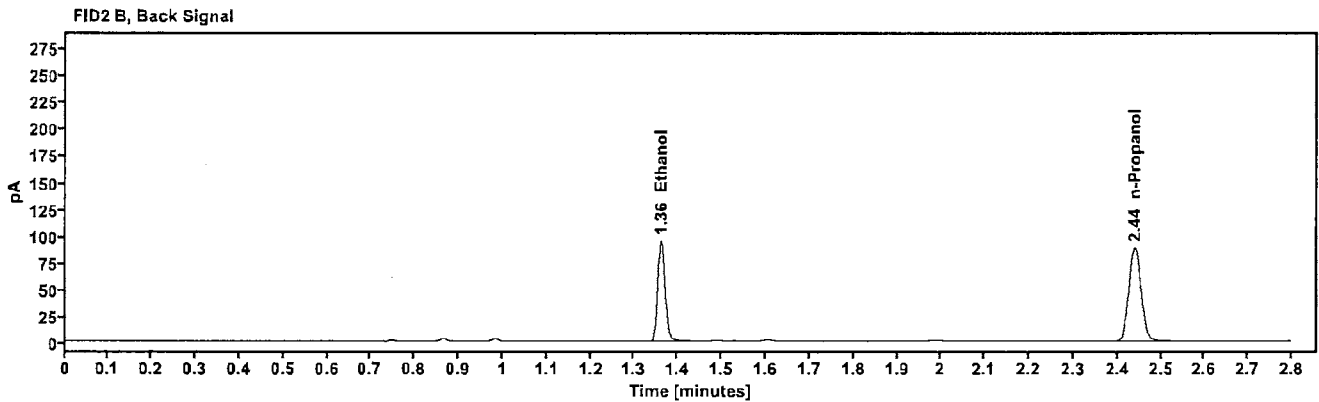
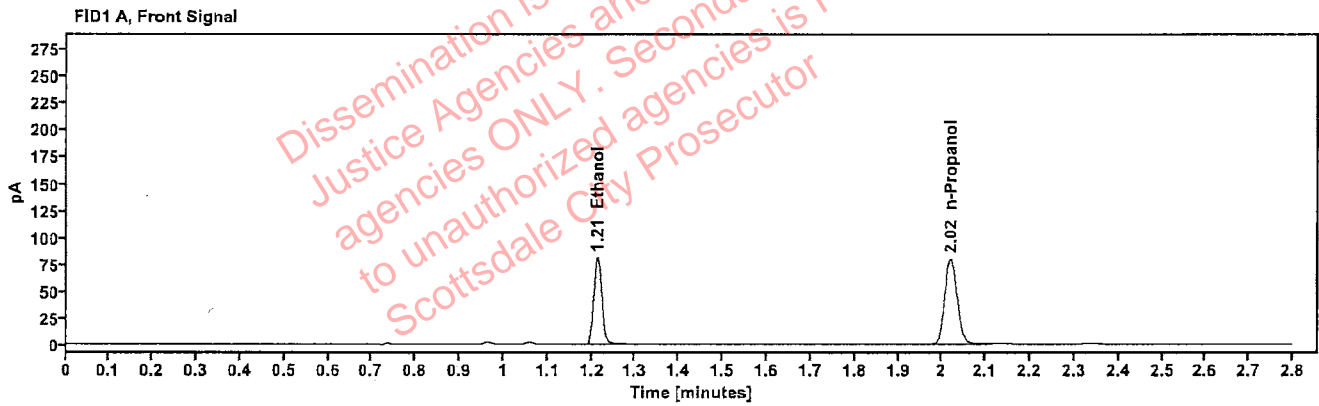


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1614	1.213	103.187
n-Propanol	---	2.020	159.099

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

Compound	Time (min)	Peak Area
Ethanol	1.361	113.802
n-Propanol	2.440	173.548

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2322929-2	Vial:	17
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:14:40 PM
Data file:	C:\Chem32\1\Data\17Nov23\17.D	Analyst:	Brooke

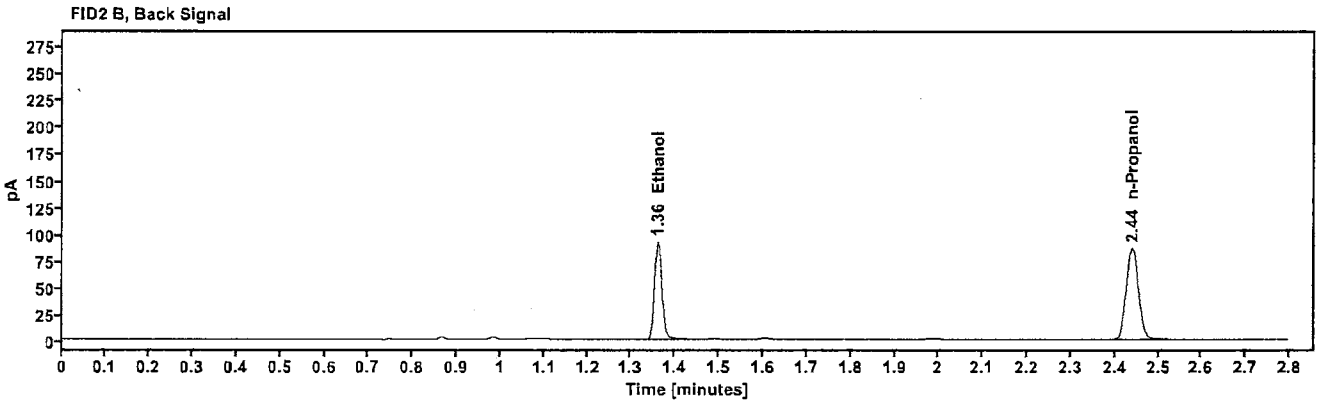
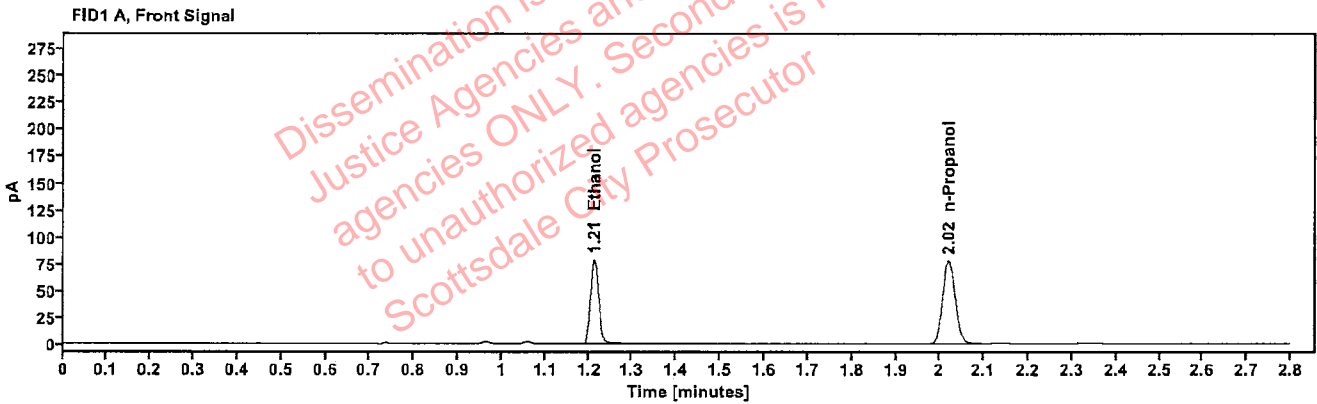


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1605	1.213	100.060
n-Propanol	-----	2.020	155.166

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

Compound	Time (min)	Peak Area
Ethanol	1.361	110.513
n-Propanol	2.440	169.751

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323111-1	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:18:40 PM
Data file:	C:\Chem32\1\Data\17Nov23\18.D	Analyst:	Brooke

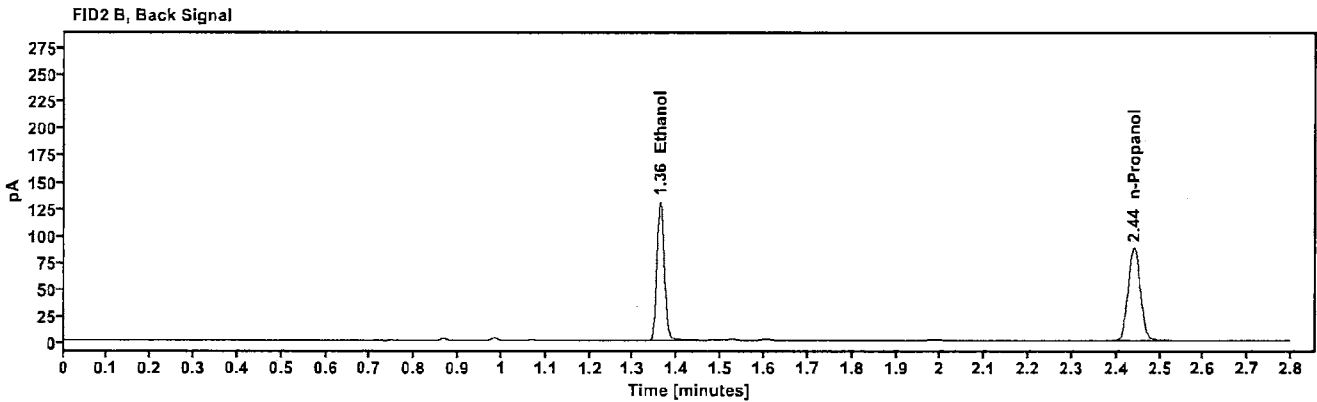
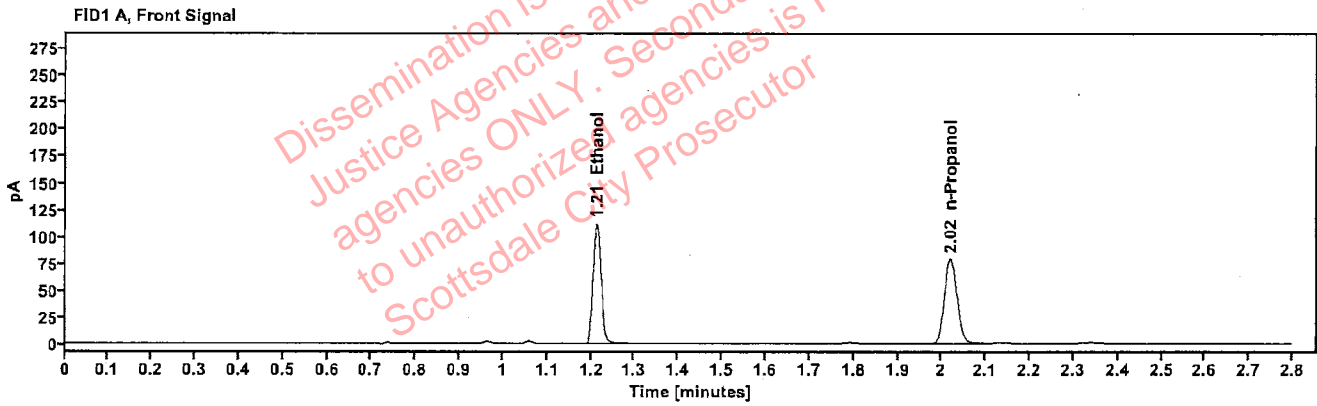


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2244	1.213	142.469
n-Propanol	---	2.020	157.771

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

Compound	Time (min)	Peak Area
Ethanol	1.361	157.386
n-Propanol	2.440	172.442

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323111-1	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:22:56 PM
Data file:	C:\Chem32\1\Data\17Nov23\19.D	Analyst:	Brooke

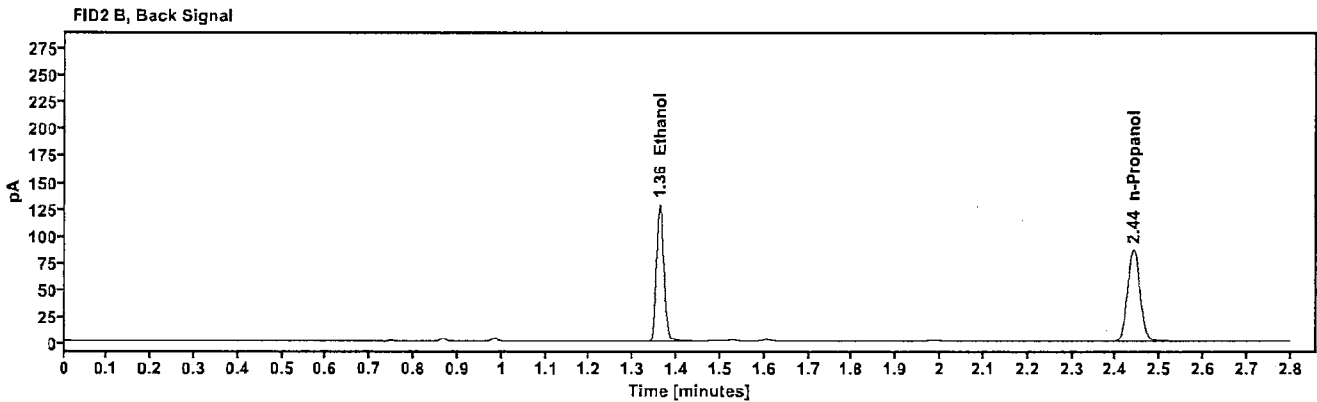
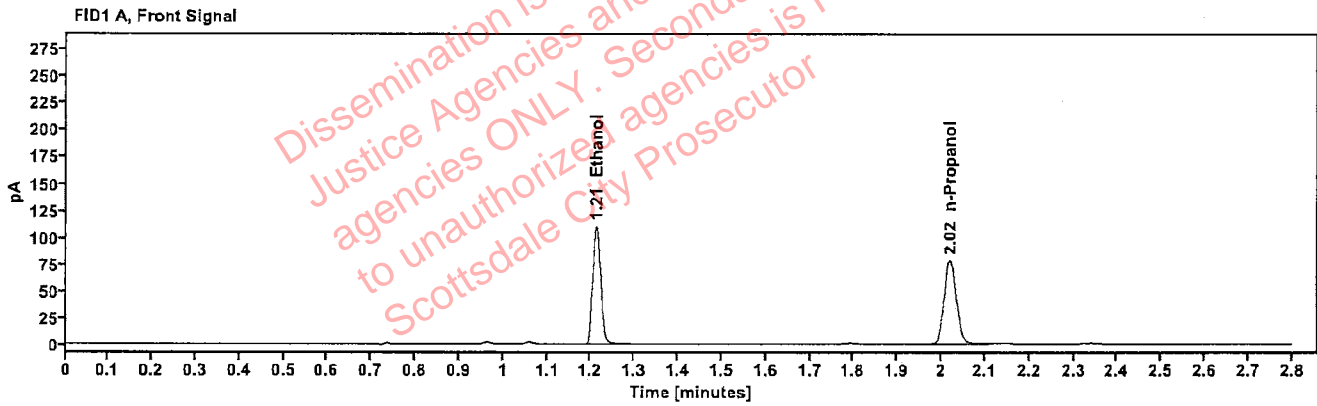


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2228	1.213	140.093
n-Propanol	-----	2.020	156.287

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

Compound	Time (min)	Peak Area
Ethanol	1.360	154.585
n-Propanol	2.440	170.308

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323048-2	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:30:56 PM
Data file:	C:\Chem32\1\Data\17Nov23\21.D	Analyst:	Brooke

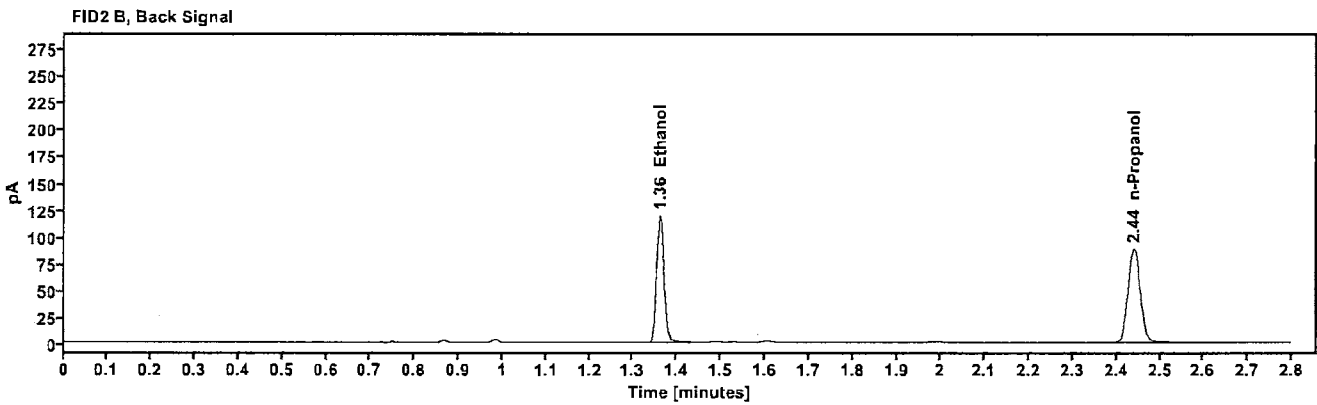
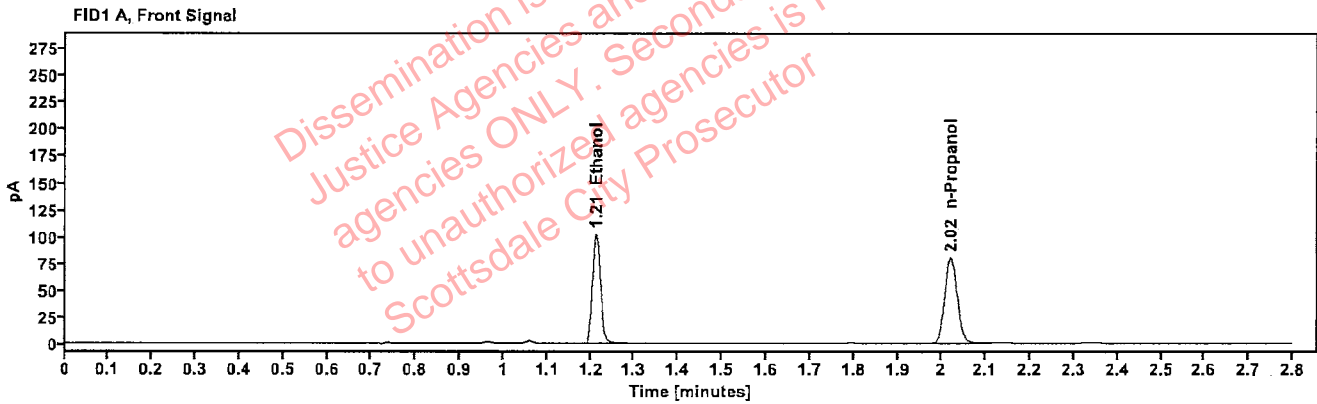


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2023	1.213	129.821
n-Propanol	-----	2.020	159.585

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

Compound	Time (min)	Peak Area
Ethanol	1.361	143.377
n-Propanol	2.440	174.228

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323048-2	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:34:55 PM
Data file:	C:\Chem32\1\Data\17Nov23\22.D	Analyst:	Brooke

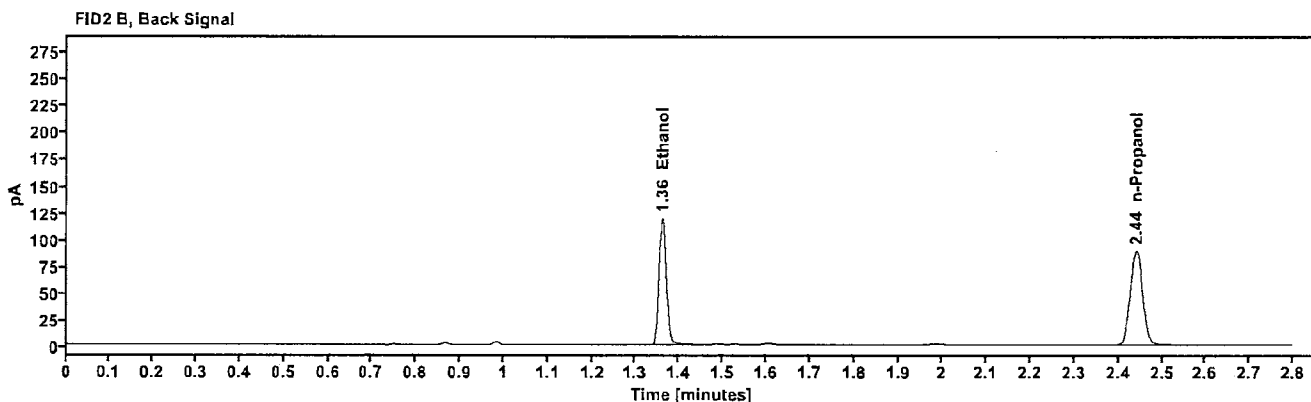
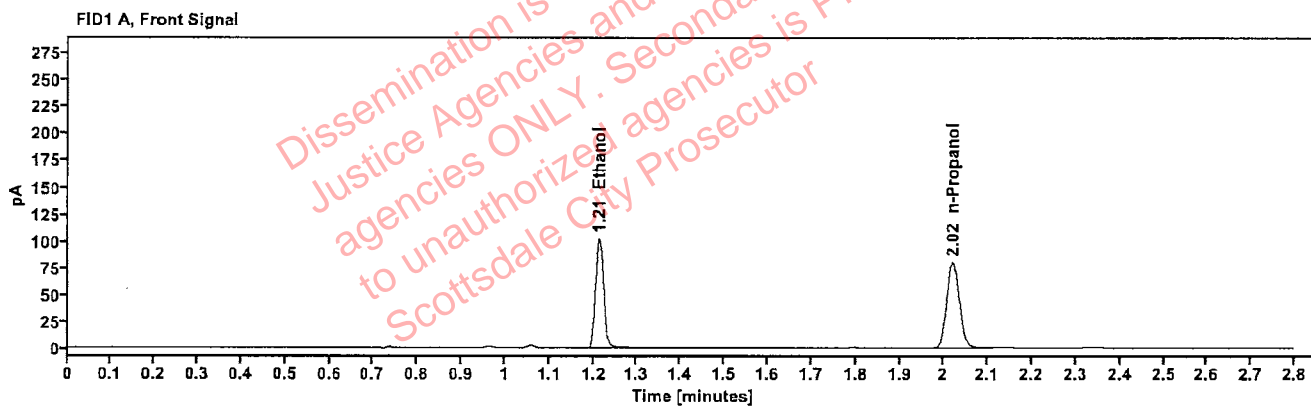


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2017	1.213	129.808
n-Propanol	-----	2.020	159.994

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

Compound	Time (min)	Peak Area
Ethanol	1.361	143.353
n-Propanol	2.440	174.703

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323253-1	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:38:55 PM
Data file:	C:\Chem32\1\Data\17Nov23\23.D	Analyst:	Brooke

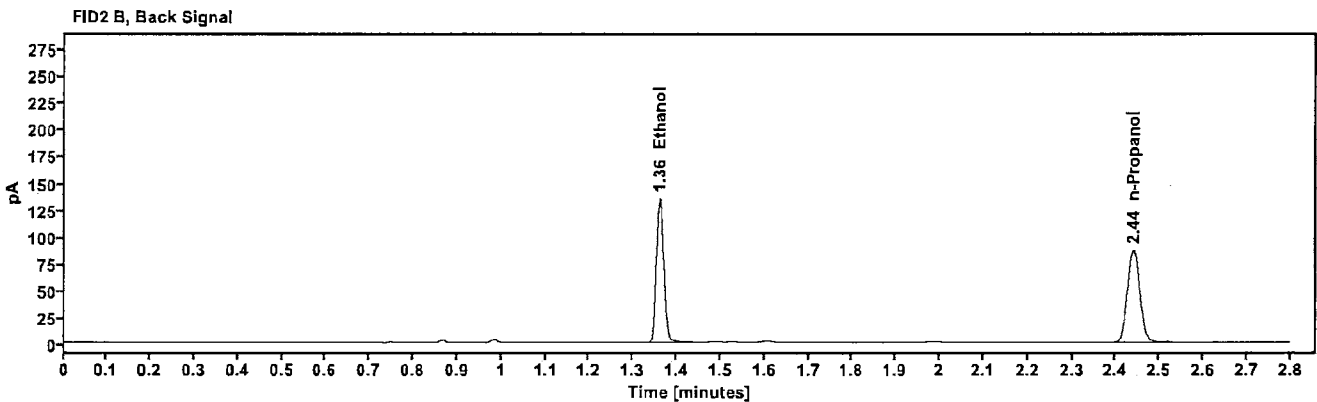
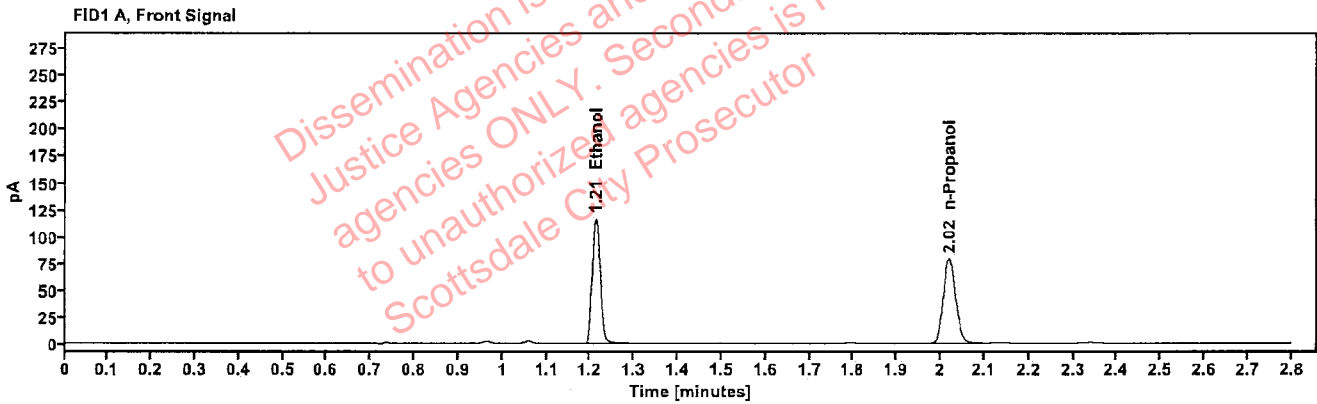


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2340	1.212	147.611
n-Propanol	---	2.020	156.778

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

Compound	Time (min)	Peak Area
Ethanol	1.360	162.956
n-Propanol	2.440	171.637

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323253-1	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:42:55 PM
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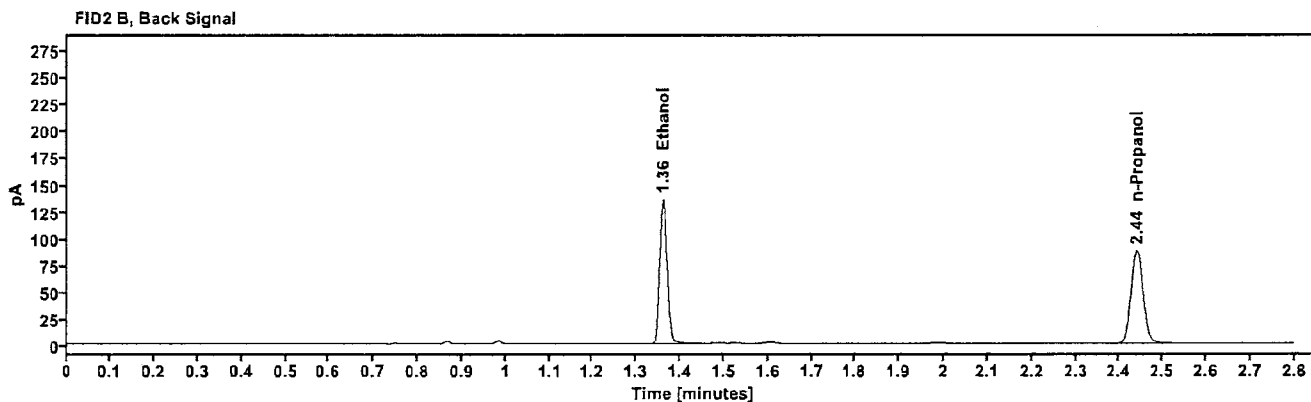
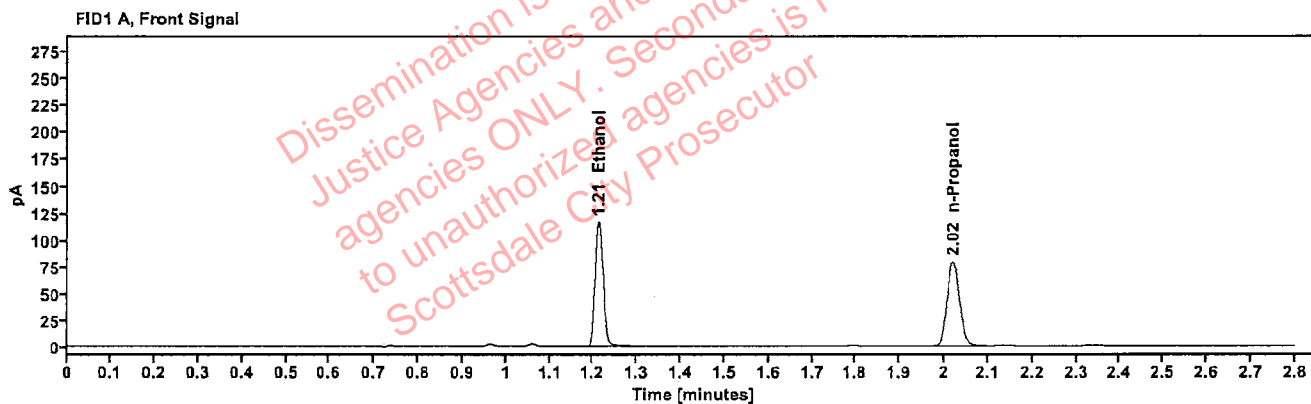


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2326	1.212	147.740
n-Propanol	-----	2.020	157.879

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

Compound	Time (min)	Peak Area
Ethanol	1.361	163.169
n-Propanol	2.440	172.238

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323261-3	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:47:11 PM
Data file:	C:\Chem32\1\Data\17Nov23\25.D	Analyst:	Brooke

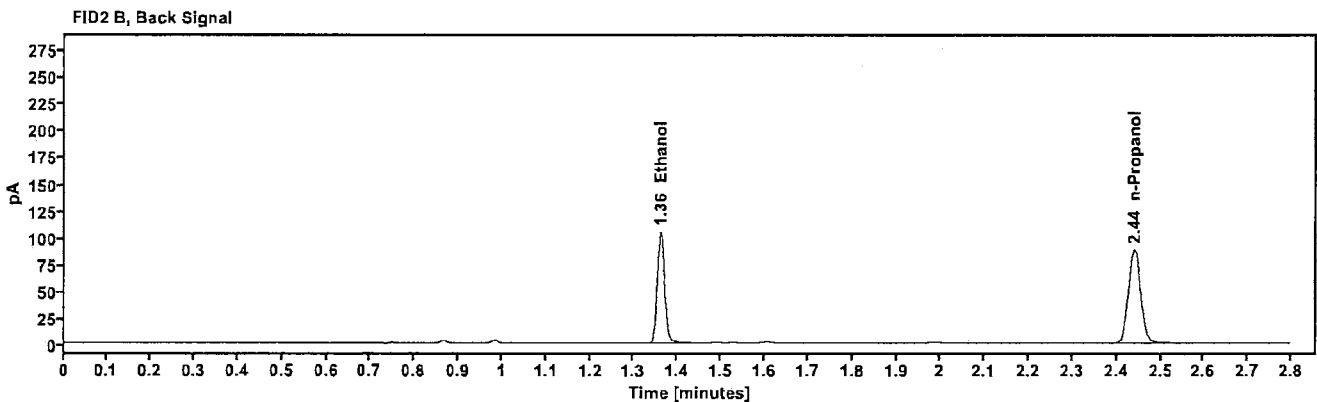
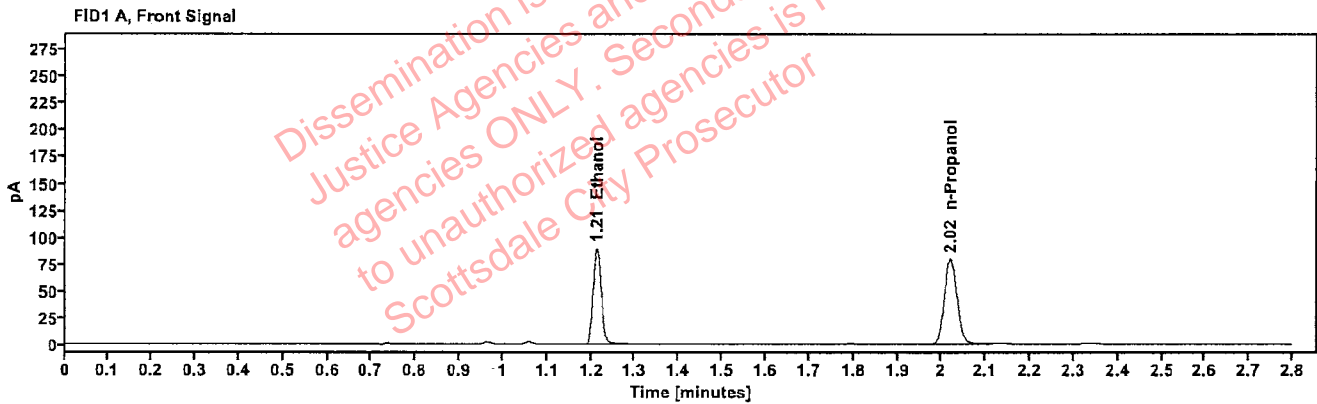


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1800	1.213	114.193
n-Propanol	-----	2.020	157.785

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

Compound	Time (min)	Peak Area
Ethanol	1.361	125.881
n-Propanol	2.440	173.432

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323261-3	Vial:	26
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:51:11 PM
Data file:	C:\Chem32\1\Data\17Nov23\26.D	Analyst:	Brooke

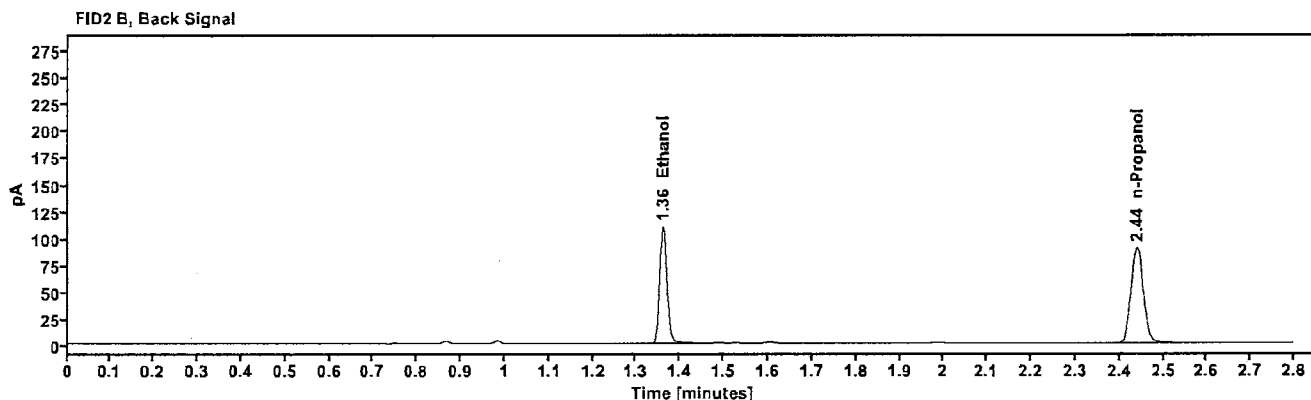
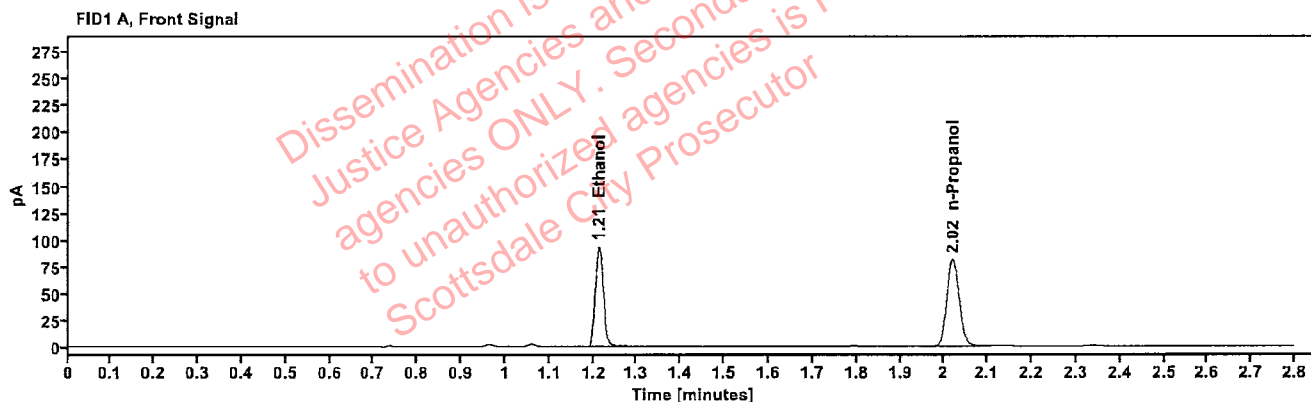


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1842	1.213	119.371
n-Propanol	---	2.020	161.163

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

Compound	Time (min)	Peak Area
Ethanol	1.361	131.790
n-Propanol	2.440	177.144

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323307-2	Vial:	27
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:55:11 PM
Data file:	C:\Chem32\1\Data\17Nov23\27.D	Analyst:	Brooke

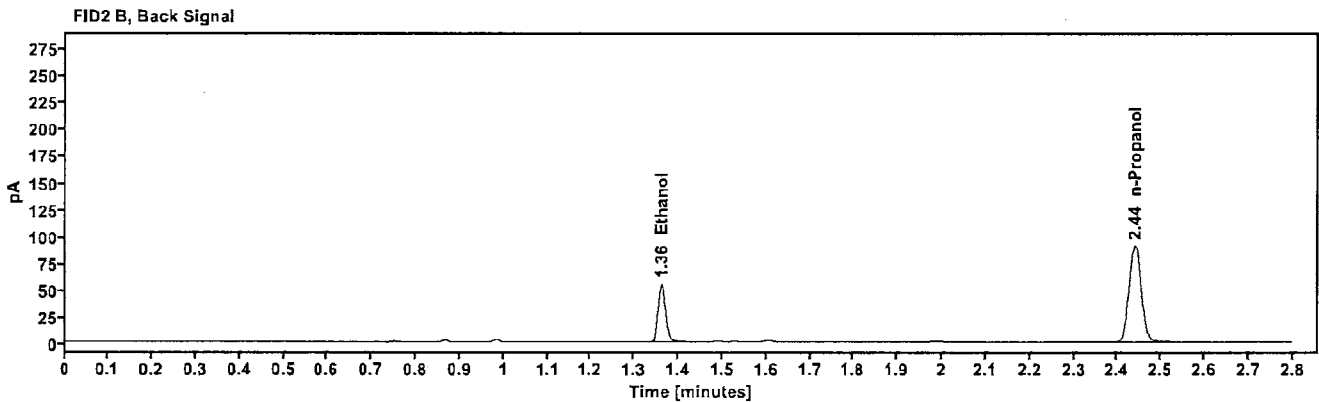
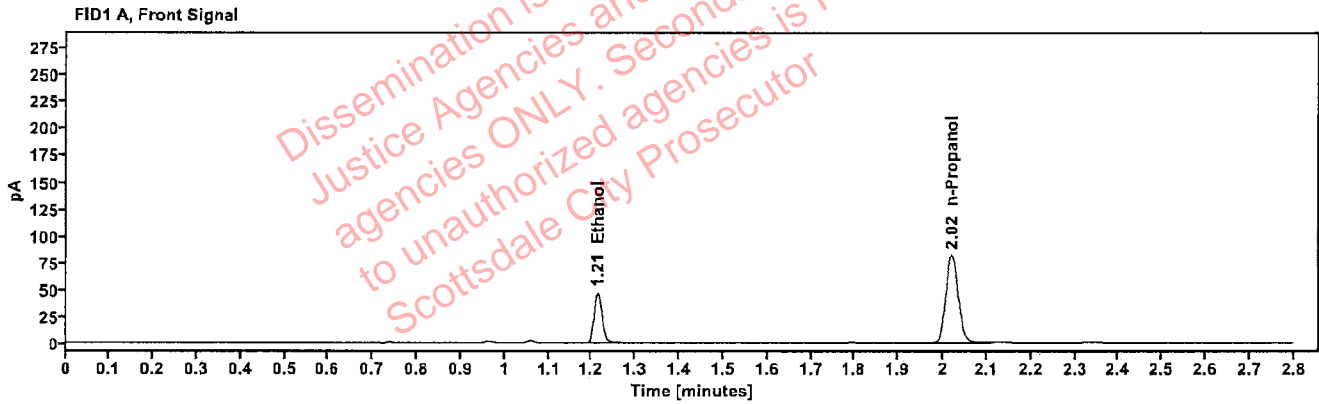


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0914	1.213	59.885
n-Propanol	---	2.020	163.539

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

Compound	Time (min)	Peak Area
Ethanol	1.361	65.990
n-Propanol	2.440	178.714

[REDACTED]: Brooke, Phillip - (20-Nov-2023)

Case: [REDACTED] User: pbrooke 11/20/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323307-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 2:59:11 PM
Data file:	C:\Chem32\1\Data\17Nov23\28.D	Analyst:	Brooke

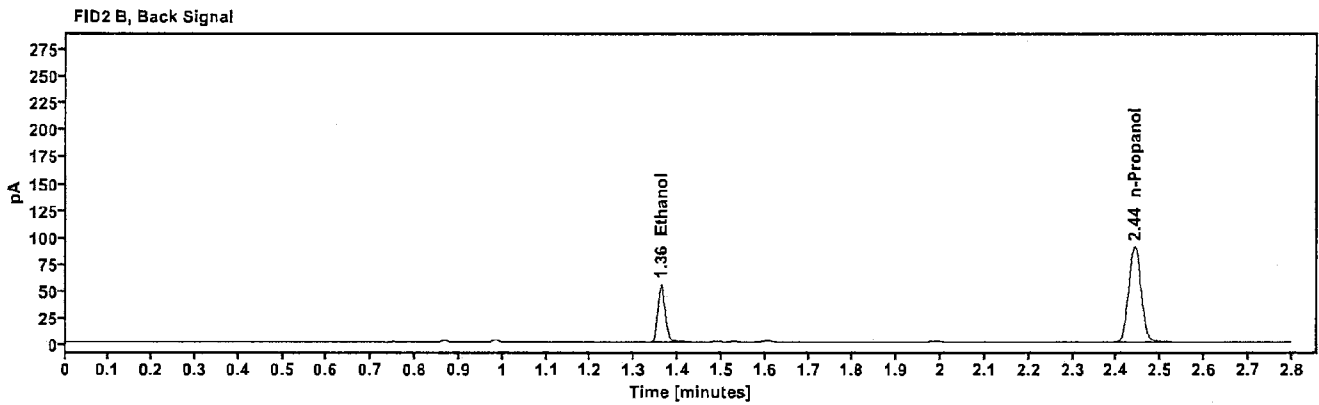
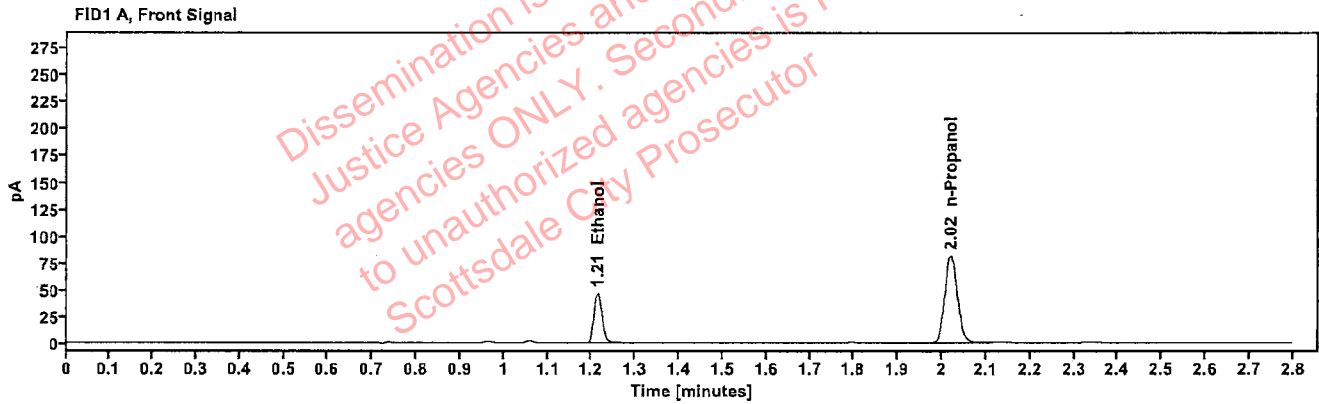


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0919	1.213	59.572
n-Propanol	-----	2.020	161.792

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

Compound	Time (min)	Peak Area
Ethanol	1.361	65.628
n-Propanol	2.440	177.924

[REDACTED]: Brooke, Phillip - (20-Nov-2023)

Case: [REDACTED] User: pbrooke 11/20/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323327-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:03:10 PM
Data file:	C:\Chem32\1\Data\17Nov23\29.D	Analyst:	Brooke

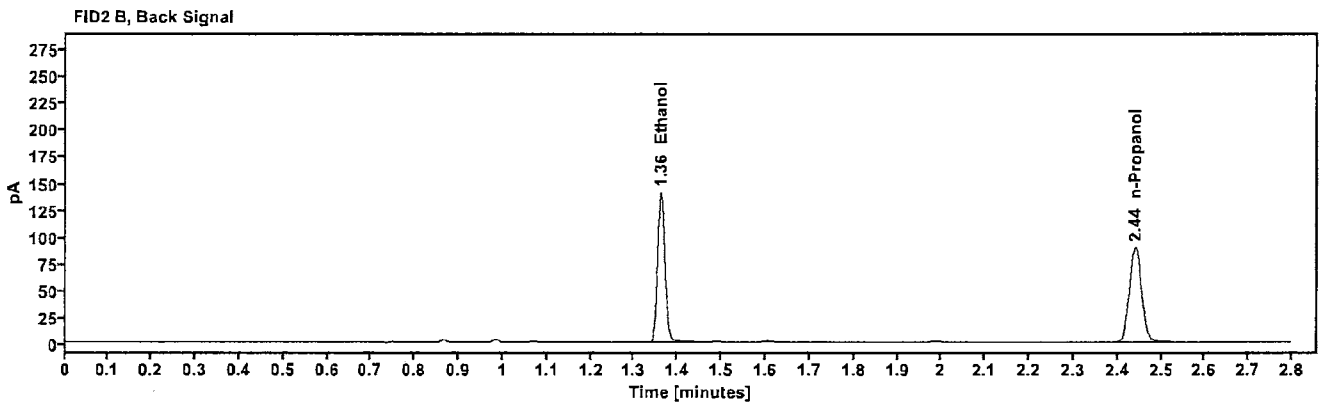
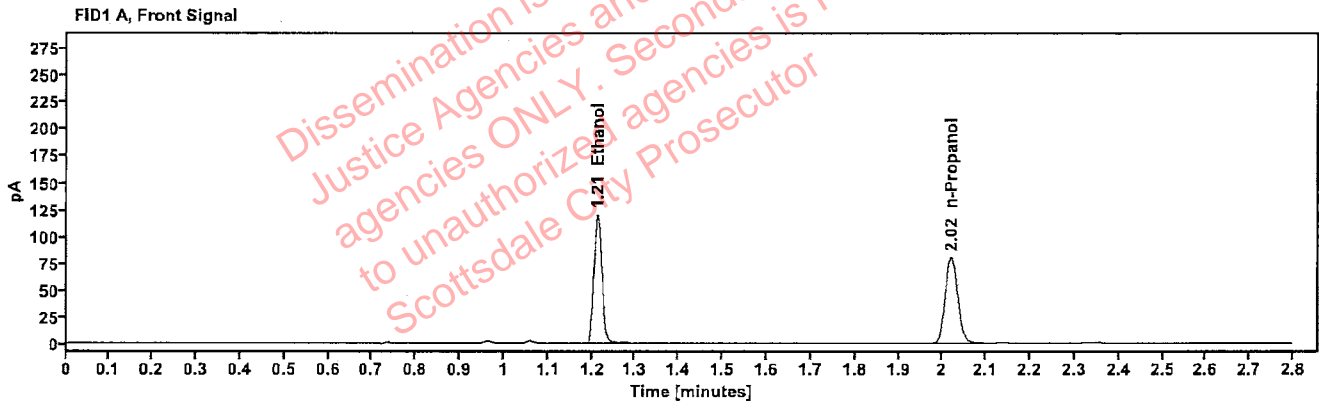


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2381	1.213	152.829
n-Propanol	-----	2.020	159.485

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

Compound	Time (min)	Peak Area
Ethanol	1.361	168.671
n-Propanol	2.440	175.113

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323327-2	Vial:	30
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:07:10 PM
Data file:	C:\Chem32\1\Data\17Nov23\30.D	Analyst:	Brooke

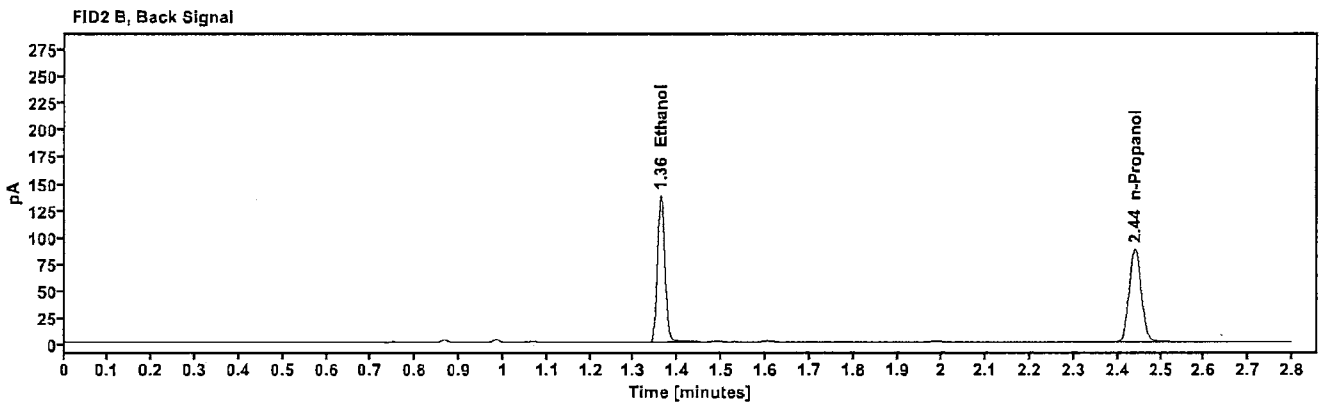
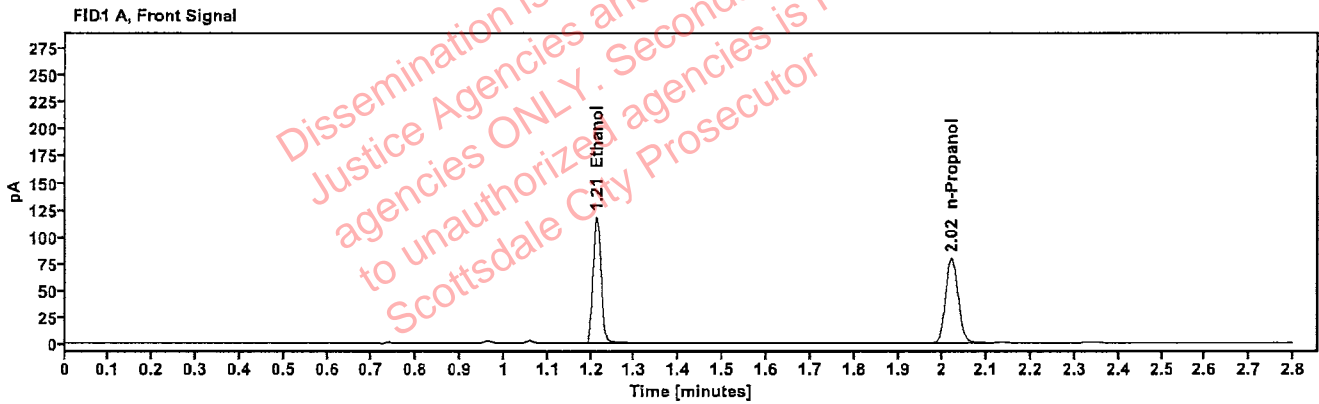


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2366	1.212	149.849
n-Propanol	---	2.020	157.419

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

Compound	Time (min)	Peak Area
Ethanol	1.361	166.314
n-Propanol	2.440	172.769

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321490-4	Vial:	32
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:15:26 PM
Data file:	C:\Chem32\1\Data\17Nov23\32.D	Analyst:	Brooke

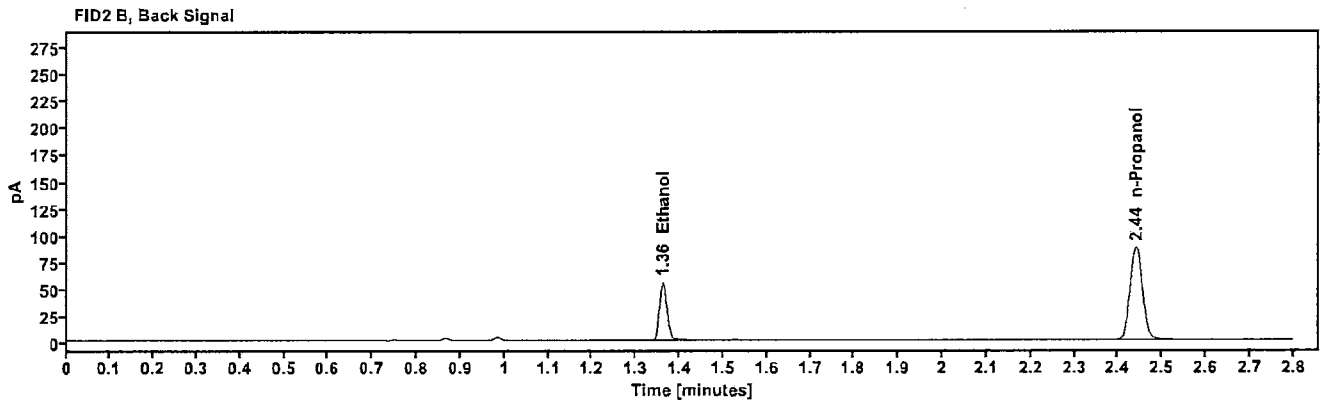
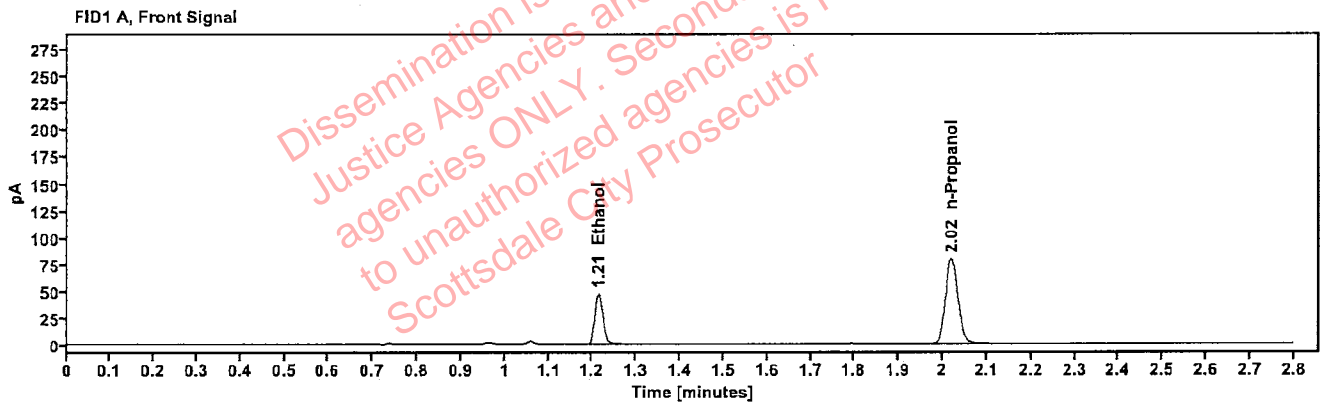


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0950	1.213	60.025
n-Propanol	-----	2.020	157.699

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

Compound	Time (min)	Peak Area
Ethanol	1.361	65.859
n-Propanol	2.440	172.903

[REDACTED] : Brooke, Phillip - (20-Nov-2023)

Case: [REDACTED] User: pbrooke 11/20/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321490-4	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:19:26 PM
Data file:	C:\Chem32\1\Data\17Nov23\33.D	Analyst:	Brooke

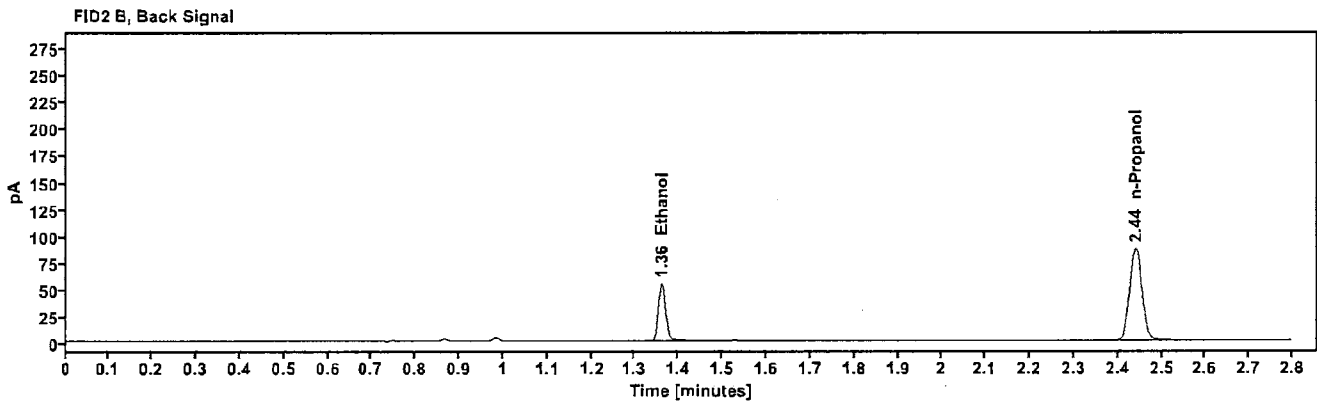
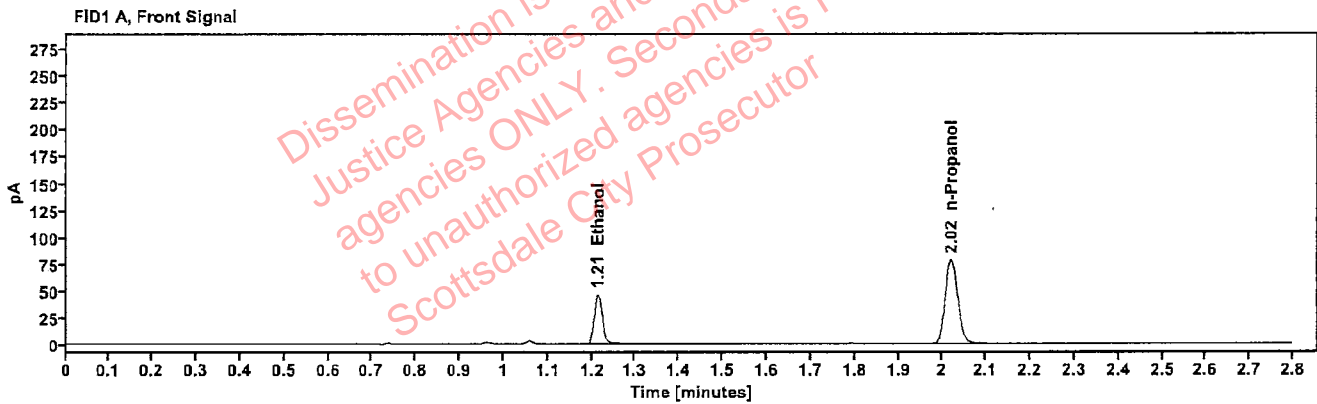


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0945	1.213	59.067
n-Propanol	-----	2.020	155.975

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

Compound	Time (min)	Peak Area
Ethanol	1.361	64.829
n-Propanol	2.440	171.052

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323387-2	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:23:26 PM
Data file:	C:\Chem32\1\Data\17Nov23\34.D	Analyst:	Brooke

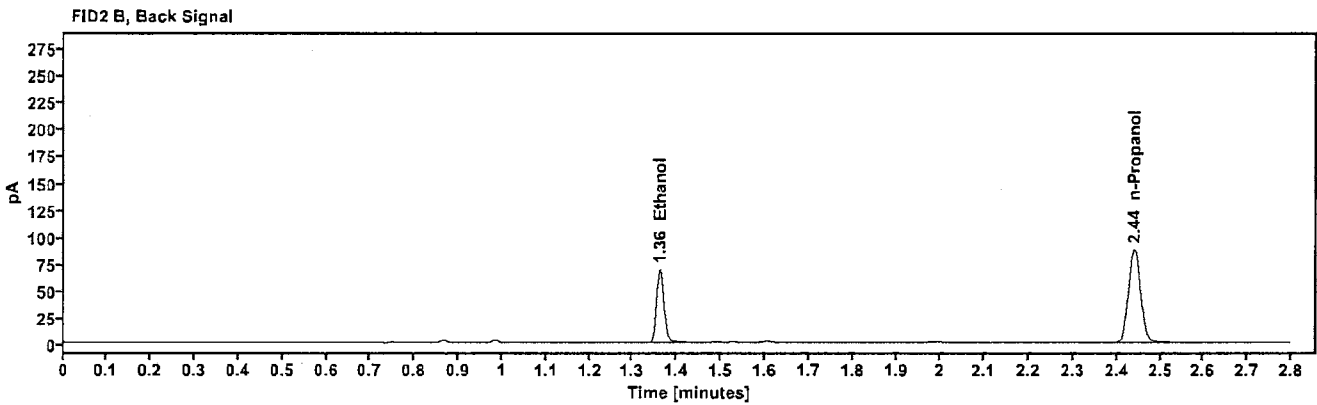
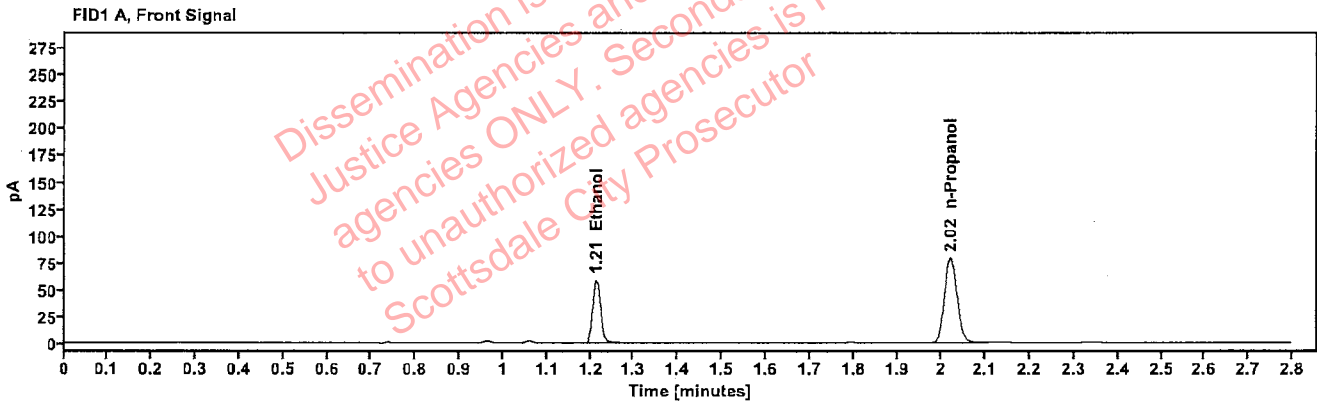


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1192	1.213	75.247
n-Propanol	-----	2.020	157.278

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

Compound	Time (min)	Peak Area
Ethanol	1.361	82.934
n-Propanol	2.440	172.963

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323387-2	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:27:26 PM
Data file:	C:\Chem32\1\Data\17Nov23\35.D	Analyst:	Brooke

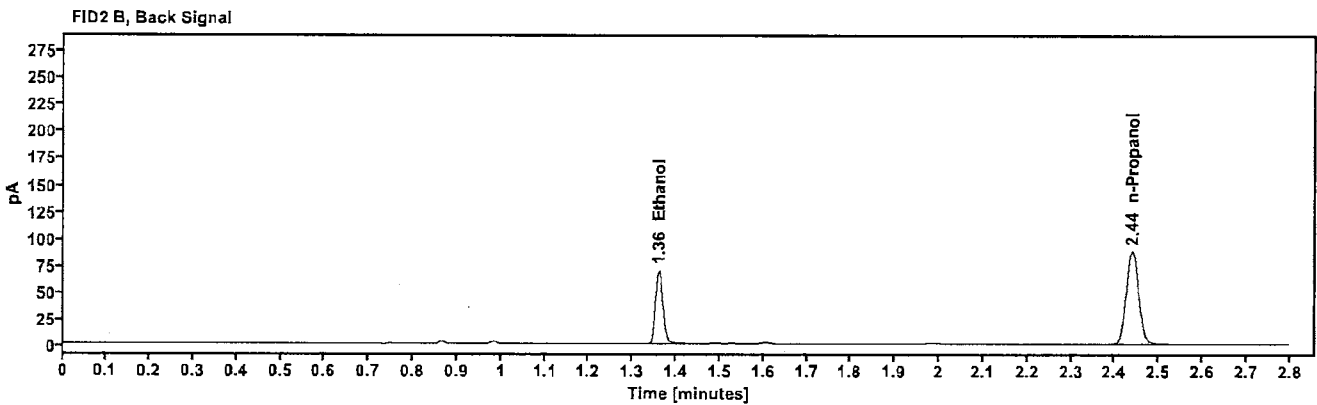
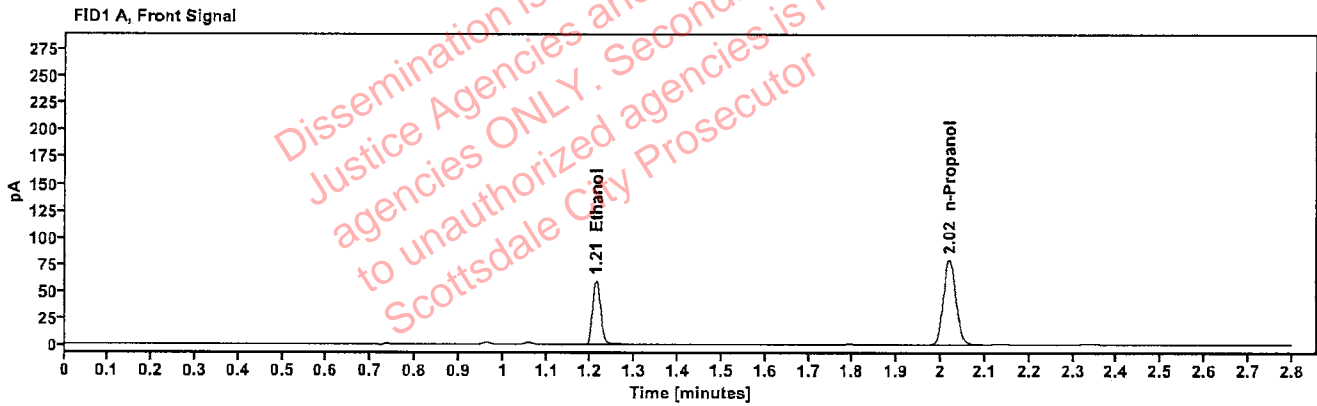


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1195	1.212	75.845
n-Propanol	-----	2.019	158.138

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

Compound	Time (min)	Peak Area
Ethanol	1.360	83.645
n-Propanol	2.439	172.980

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323402-1	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:31:25 PM
Data file:	C:\Chem32\1\Data\17Nov23\36.D	Analyst:	Brooke

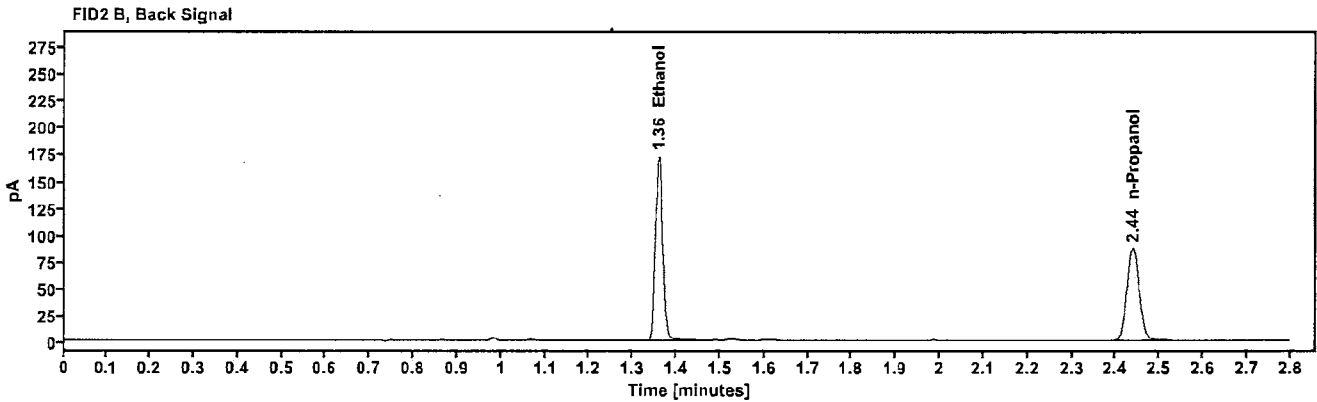
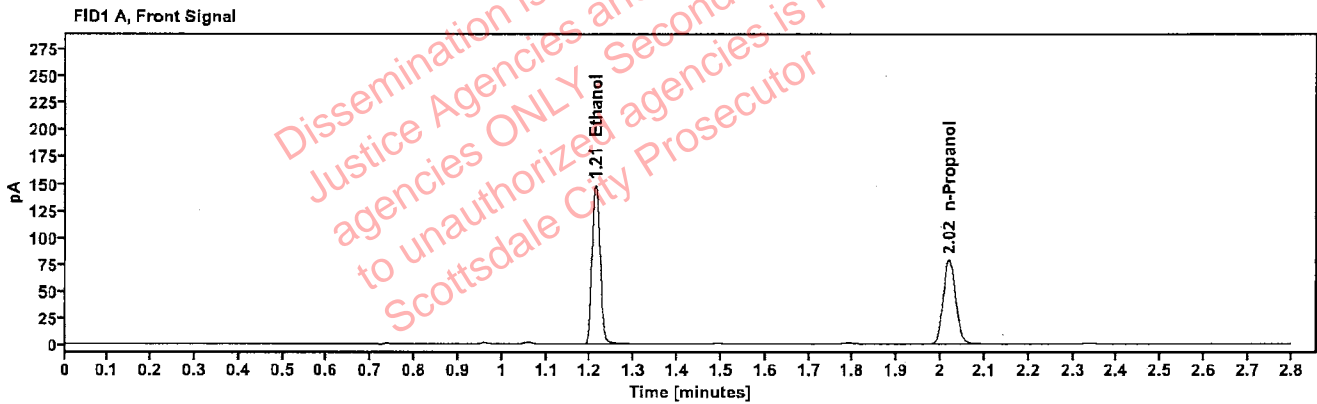


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2985	1.211	187.322
n-Propanol	-----	2.019	155.860

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

Compound	Time (min)	Peak Area
Ethanol	1.359	207.839
n-Propanol	2.439	171.138

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323402-1	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:35:41 PM
Data file:	C:\Chem32\1\Data\17Nov23\37.D	Analyst:	Brooke

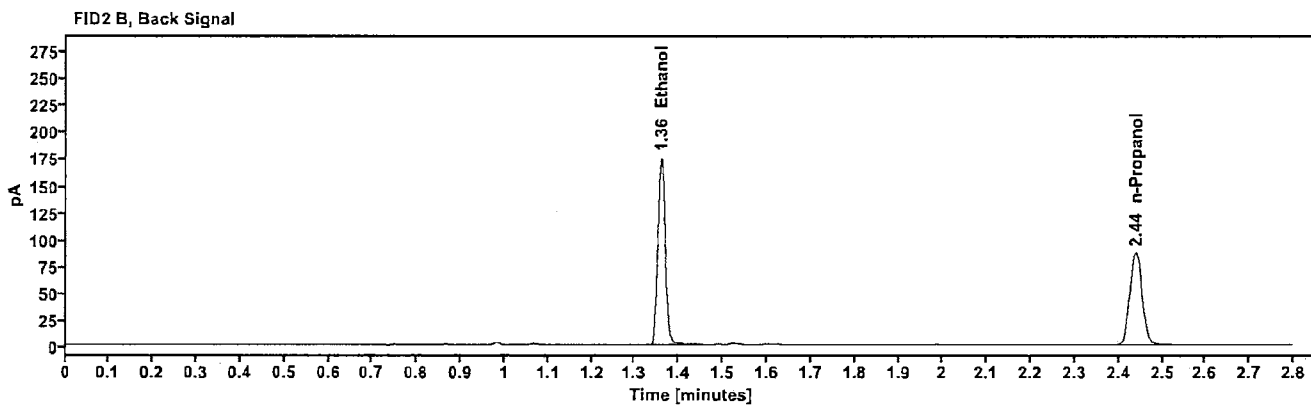
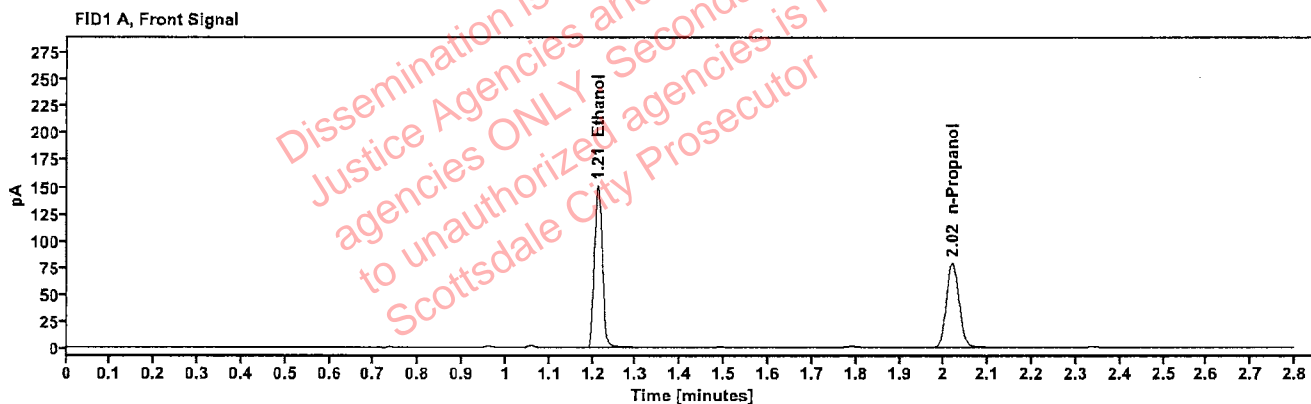


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3030	1.211	191.170
n-Propanol	-----	2.019	156.688

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

Compound	Time (min)	Peak Area
Ethanol	1.359	210.845
n-Propanol	2.439	172.124

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323303-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:39:41 PM
Data file:	C:\Chem32\1\Data\17Nov23\38.D	Analyst:	Brooke

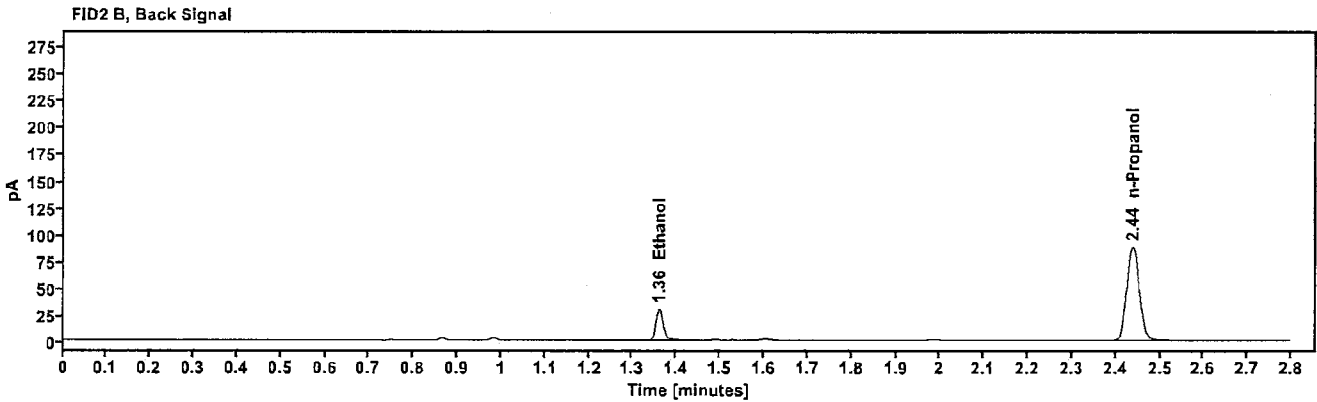
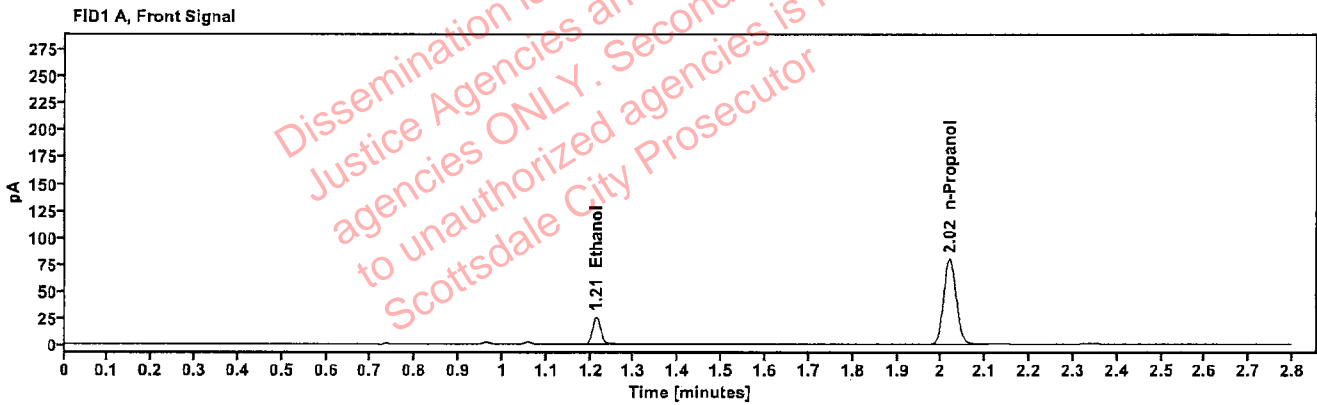


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0518	1.213	32.619
n-Propanol	-----	2.019	158.090

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

Compound	Time (min)	Peak Area
Ethanol	1.360	36.545
n-Propanol	2.439	174.010

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2323303-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:43:41 PM
Data file:	C:\Chem32\1\Data\17Nov23\39.D	Analyst:	Brooke

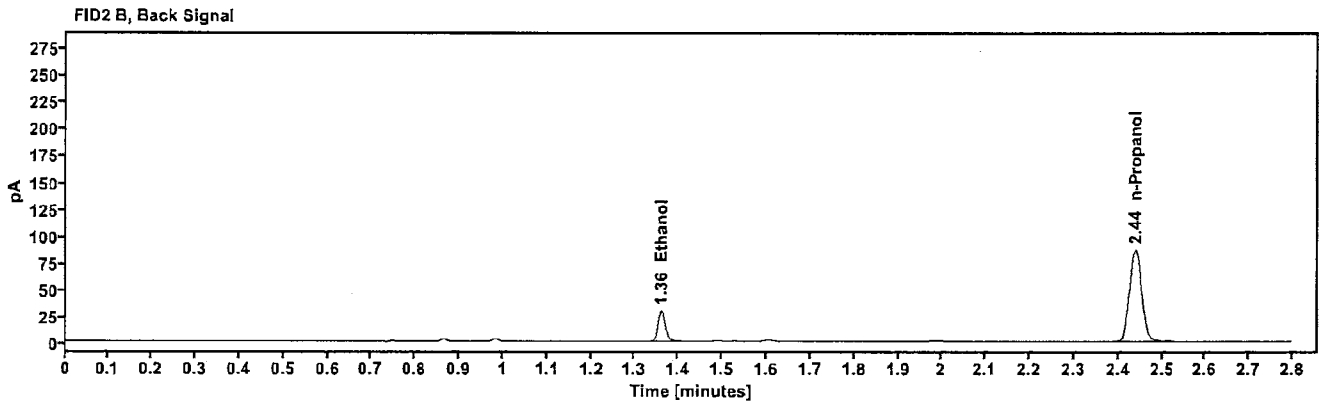
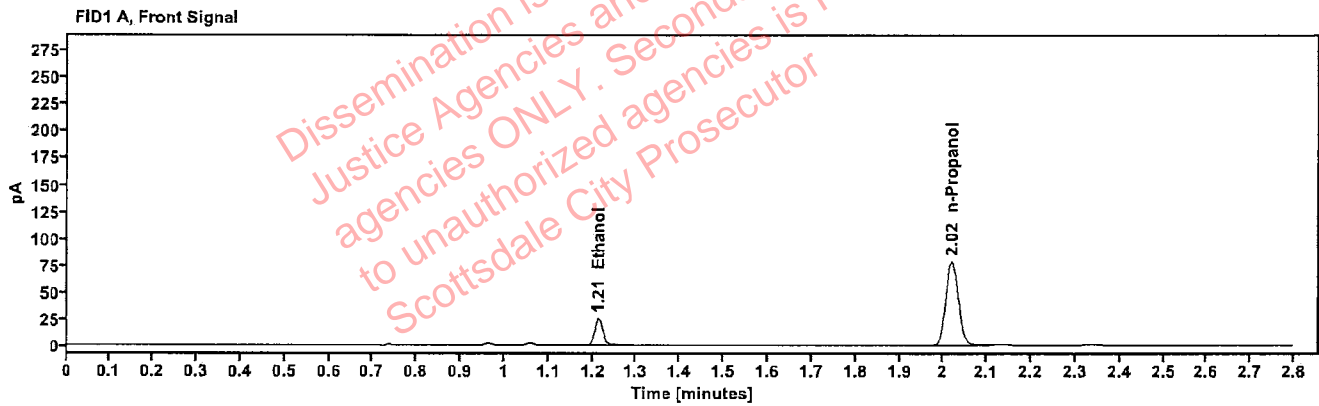


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0516	1.213	31.903
n-Propanol	---	2.019	155.094

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

Compound	Time (min)	Peak Area
Ethanol	1.360	35.684
n-Propanol	2.439	170.663

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2322827-2	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:47:41 PM
Data file:	C:\Chem32\1\Data\17Nov23\40.D	Analyst:	Brooke

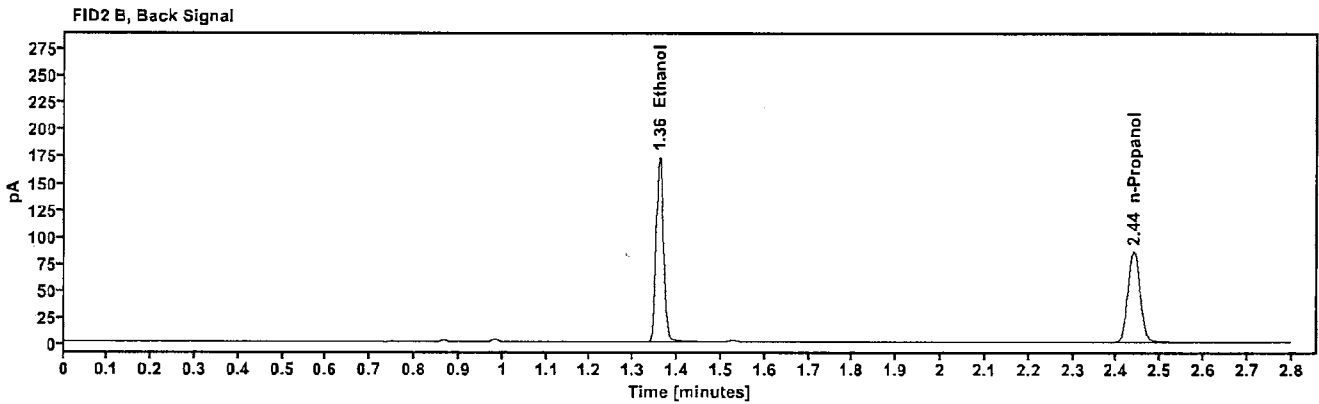
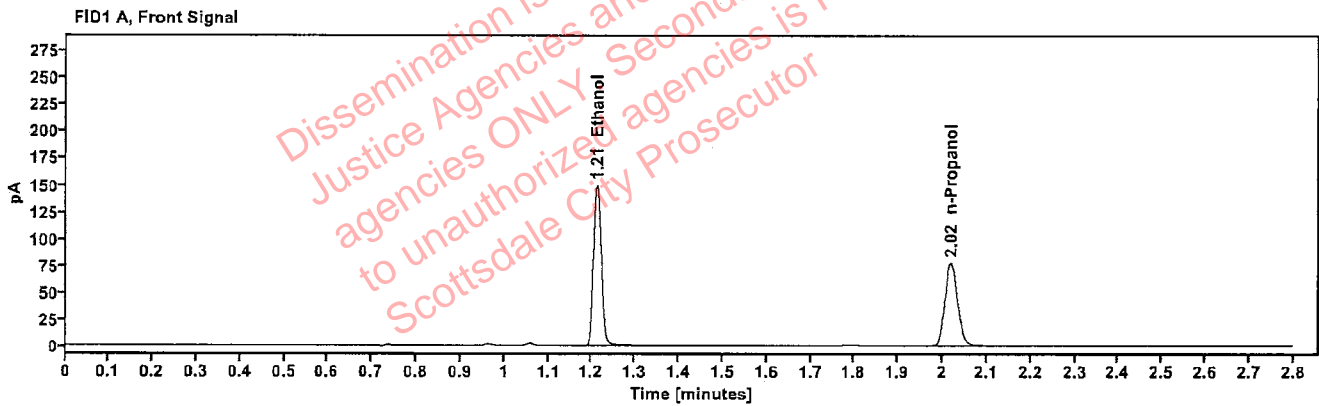


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3049	1.212	188.737
n-Propanol	-----	2.019	153.761

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

Compound	Time (min)	Peak Area
Ethanol	1.359	208.089
n-Propanol	2.439	168.502

[REDACTED]: Brooke, Phillip - (20-Nov-2023)

Case: [REDACTED] User: pbrooke 11/20/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2322827-2	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov23
Instrument:	US14173023 CN14160045	Injection date:	11/17/2023 3:51:40 PM
Data file:	C:\Chem32\1\Data\17Nov23\41.D	Analyst:	Brooke

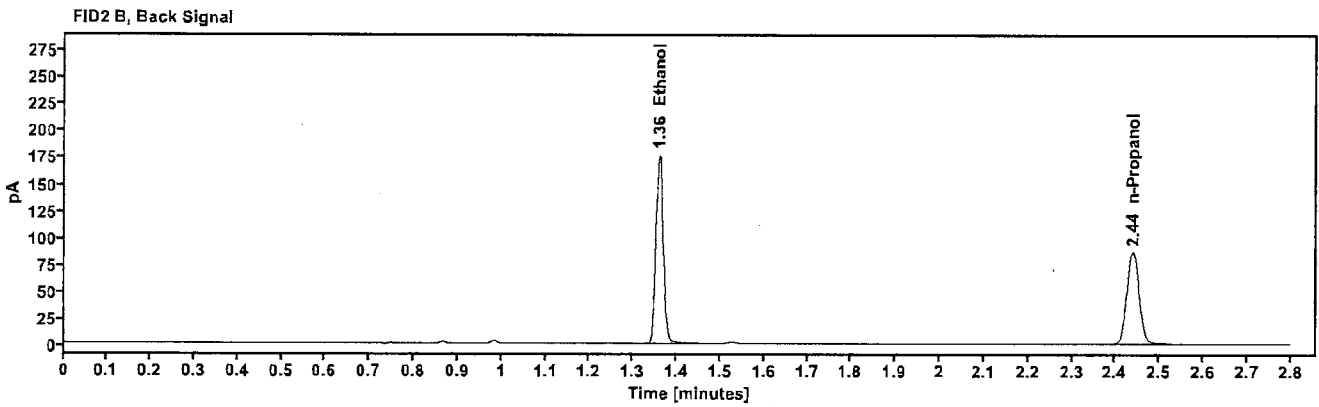
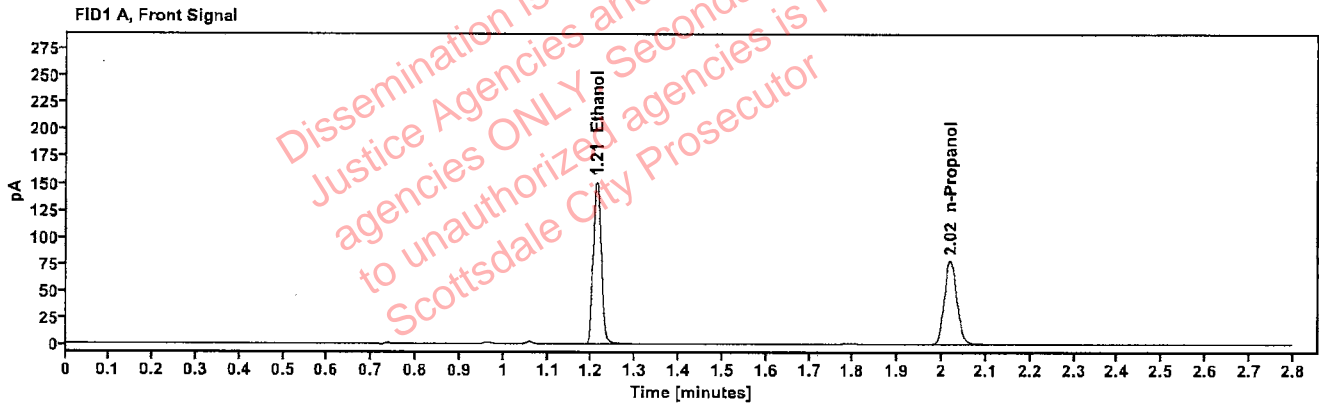


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3060	1.212	191.739
n-Propanol	---	2.019	155.605

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

Compound	Time (min)	Peak Area
Ethanol	1.359	211.784
n-Propanol	2.439	170.502