

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 2/7/23 SEQUENCE NAME 07Feb23

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

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

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 122022AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/10
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.404 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 4110320133/10
45	Blank	Not detected	Not detected	SPD Lab 011823WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid *Priscilla Brook* Analyst
 Run valid Run invalid *Erika Canonico* Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

PB

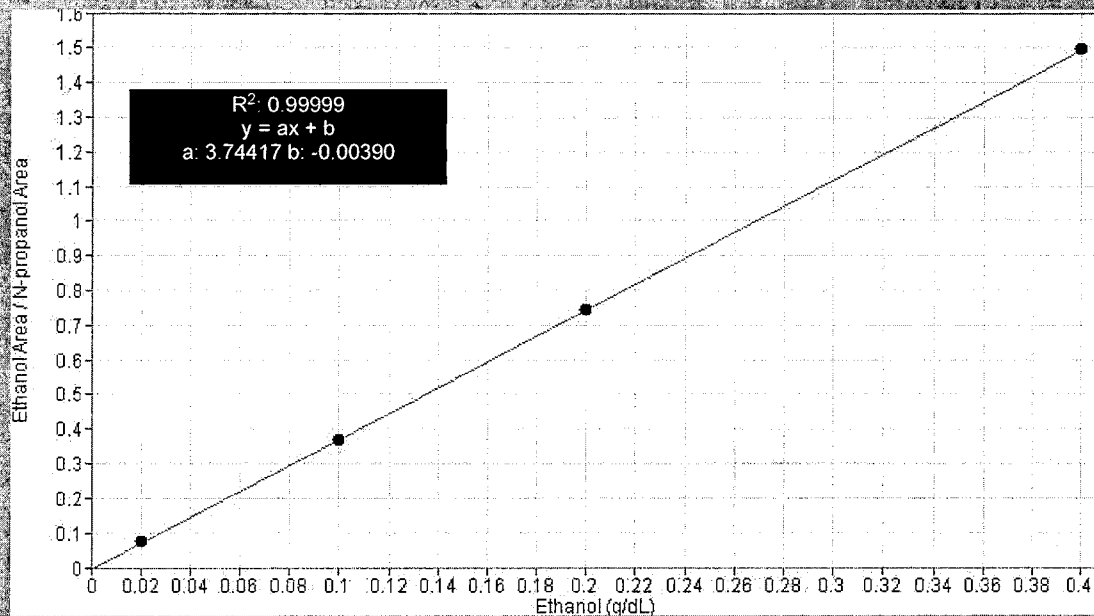
SEQUENCE NAME: 07Feb23

ANALYST: Brooke

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	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/10	9	0.201	0.199	1.01	0.002
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	0.404	0.400	1.00	0.004
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.199 4110320133/10	44	0.202	0.199	1.51	0.003
blank 011823VWB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.071	164.268	0.074
0.100	58.728	159.687	0.368
0.200	121.305	162.977	0.744
0.400	239.932	160.528	1.495

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

4/23

Sample:	FN10051909	Vial:	1
Description:	0.020 calibrator	Sequence:	07Feb23
Method:	ethanol quant.M	Injection date:	2/7/2023 11:13:00 AM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\1\Data\07Feb23\1.D		

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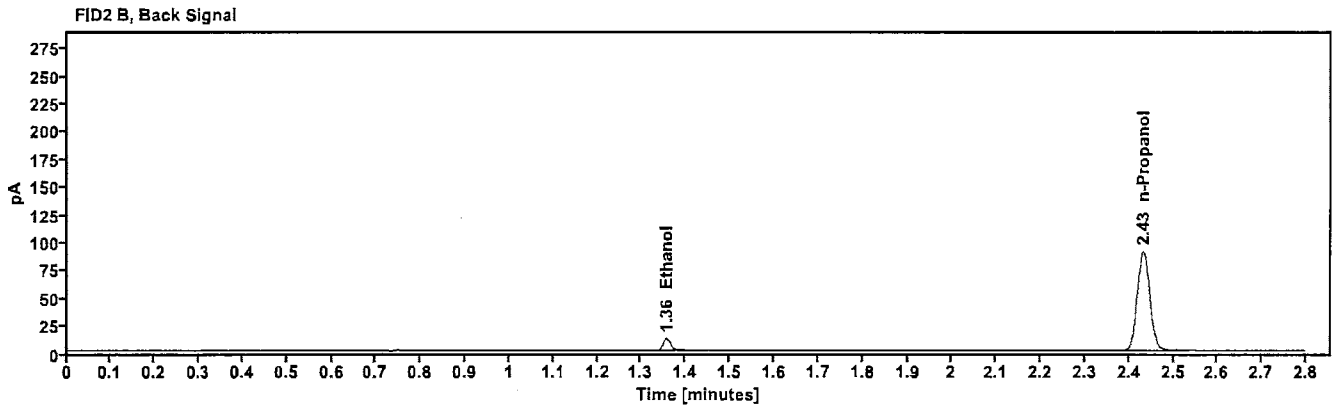
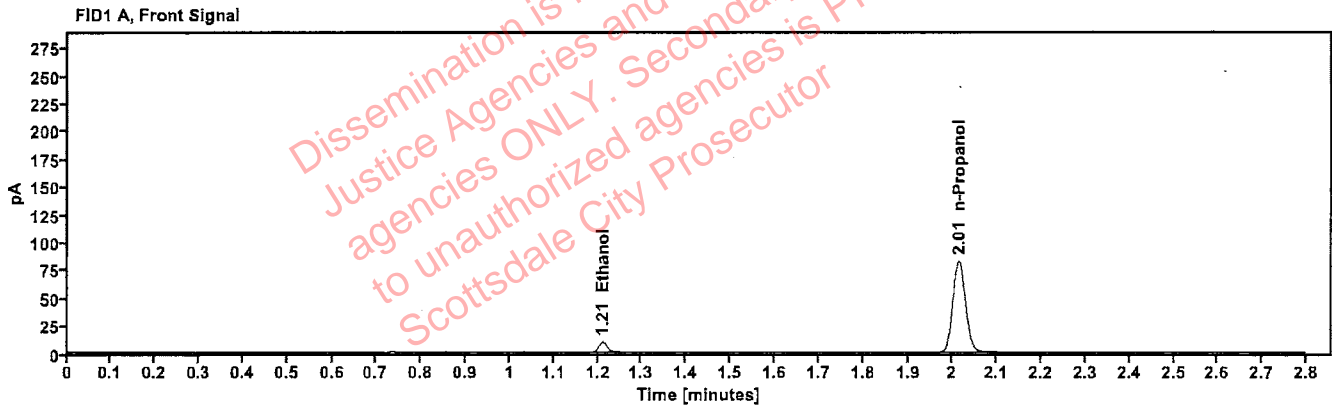


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	12.071
n-Propanol	2.014	164.268

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

Compound	Time (min)	Peak Area
Ethanol	1.356	12.987
n-Propanol	2.433	177.556

Scottsdale Police Department Crime Lab Volatiles Analysis

438

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	07Feb23
Method:	ethanol quant.M	Injection date:	2/7/2023 11:17:01 AM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\11\Data\07Feb23\2.D		

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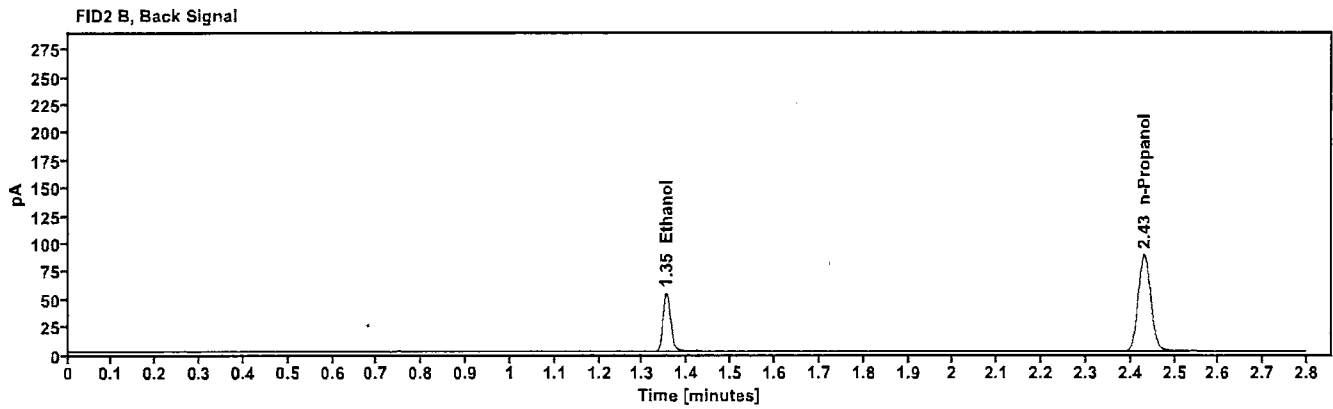
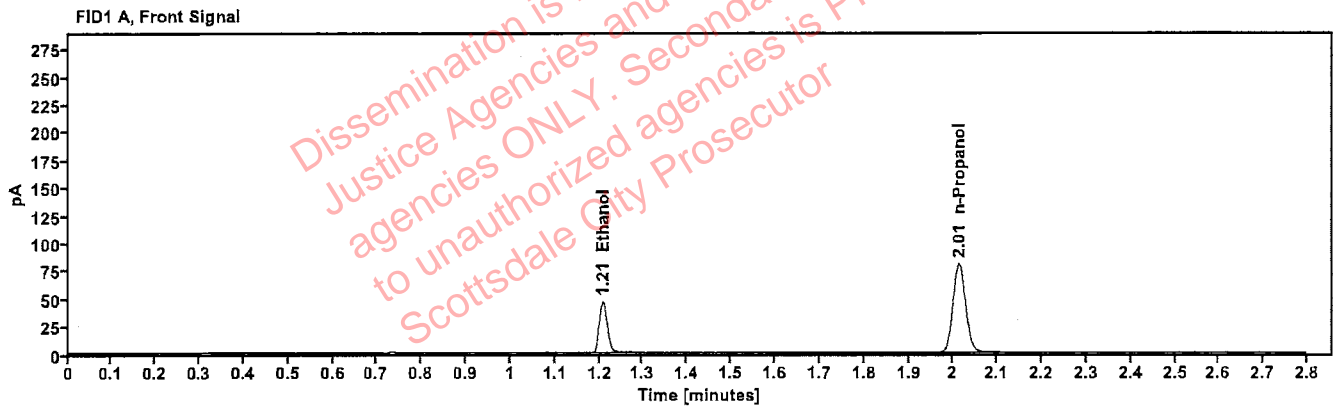


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	58.728
n-Propanol	2.013	159.687

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

Compound	Time (min)	Peak Area
Ethanol	1.353	63.646
n-Propanol	2.431	172.800

Scottsdale Police Department Crime Lab Volatiles Analysis

193

Sample: FN02052101	Vial: 3
Description: 0.200 calibrator	Sequence: 07Feb23
Method: ethanol quant.M	Injection date: 2/7/2023 11:21:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\07Feb23\3.D	

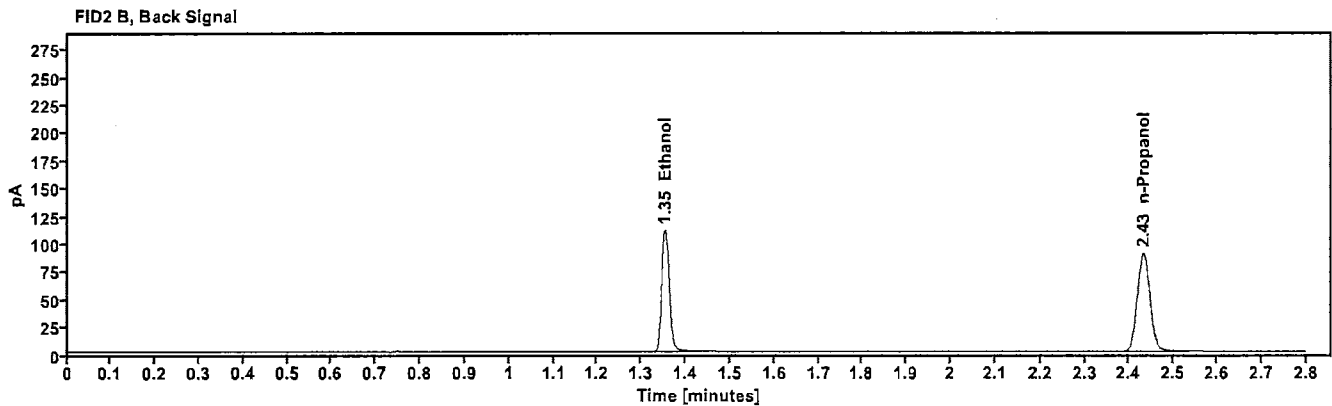
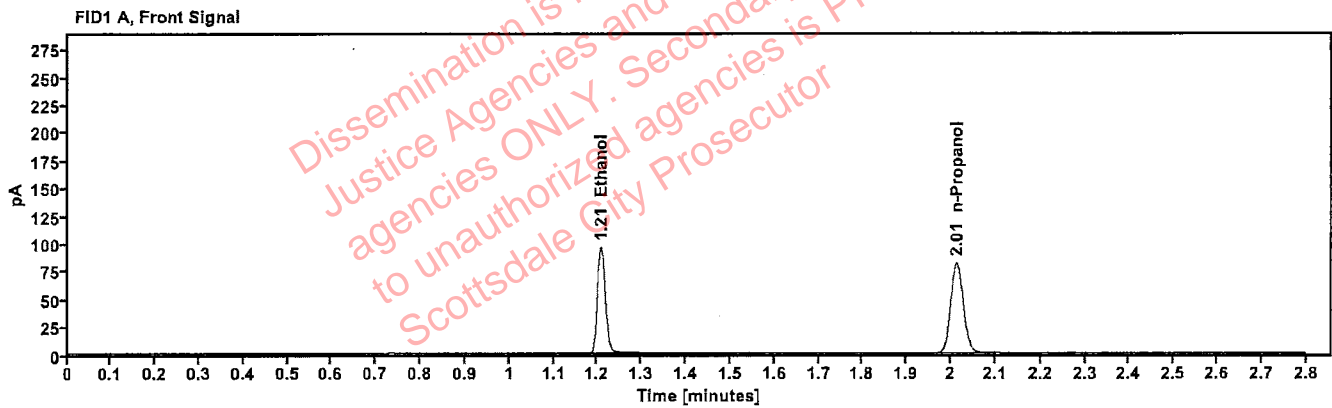


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	121.305
n-Propanol	2.013	162.977

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

Compound	Time (min)	Peak Area
Ethanol	1.353	131.845
n-Propanol	2.432	176.614

Scottsdale Police Department Crime Lab Volatiles Analysis

193

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	07Feb23
Method:	ethanol quant.M	Injection date:	2/7/2023 11:25:00 AM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\1\Data\07Feb23\4.D		

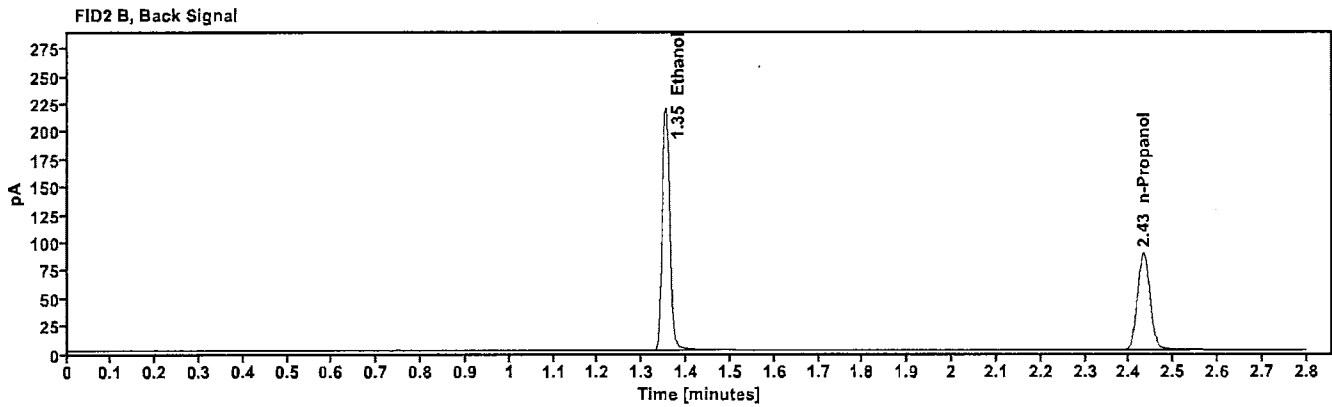
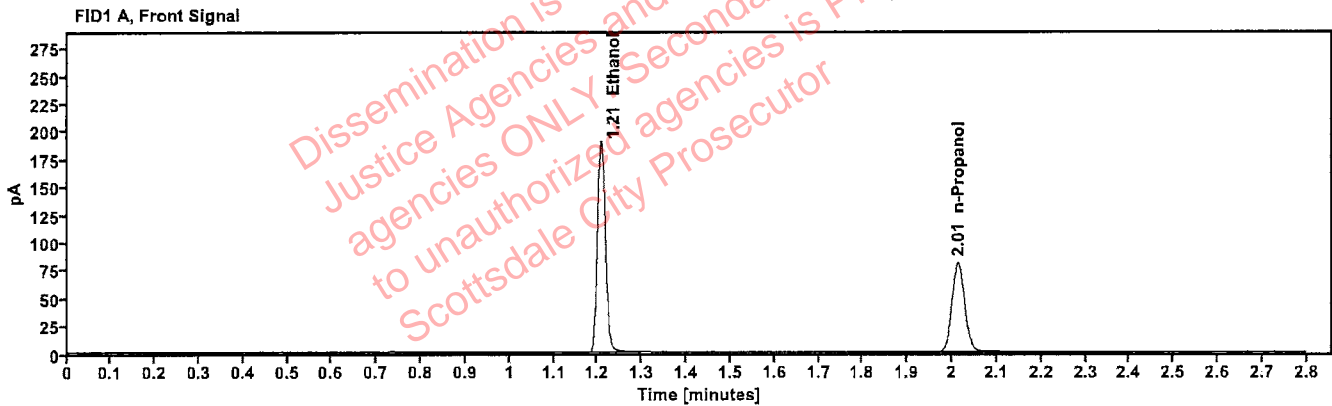


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	239.932
n-Propanol	2.013	160.528

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

Compound	Time (min)	Peak Area
Ethanol	1.353	262.584
n-Propanol	2.432	173.985

Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample: 122022AQ	Vial: 5.
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 07Feb23
Instrument: US14173023 CN14160045	Injection date: 2/7/2023 11:29:01 AM
Data file: C:\Chem32\1\Data\07Feb23\5.D	Analyst: Brooke

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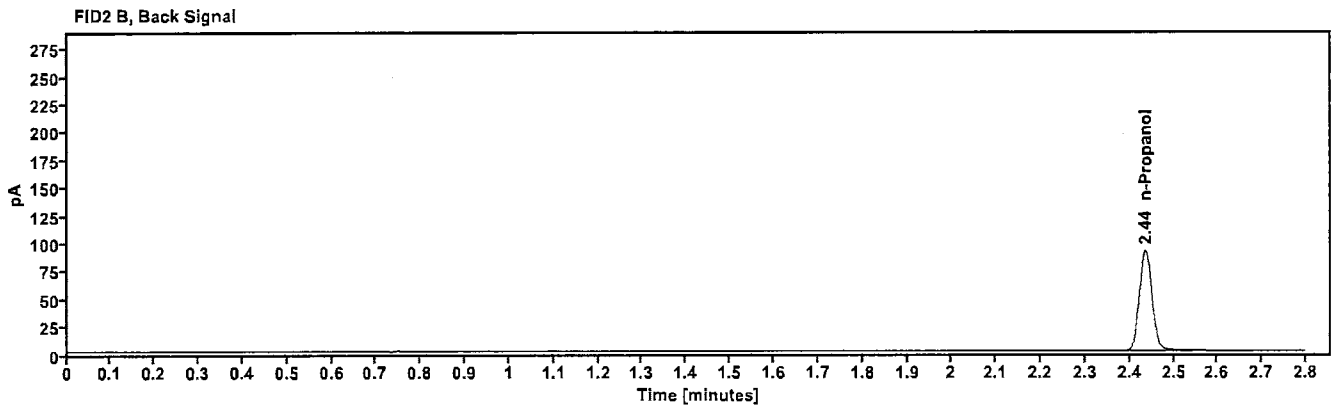
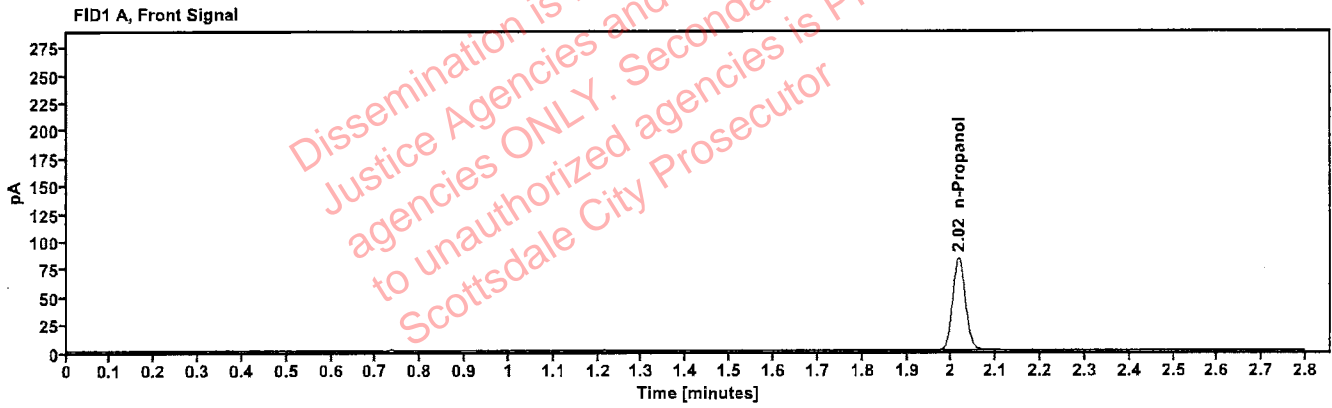


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	165.836

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	179.580

Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 11:33:01 AM
Data file:	C:\Chem32\1\Data\07Feb23\6.D	Analyst:	Brooke

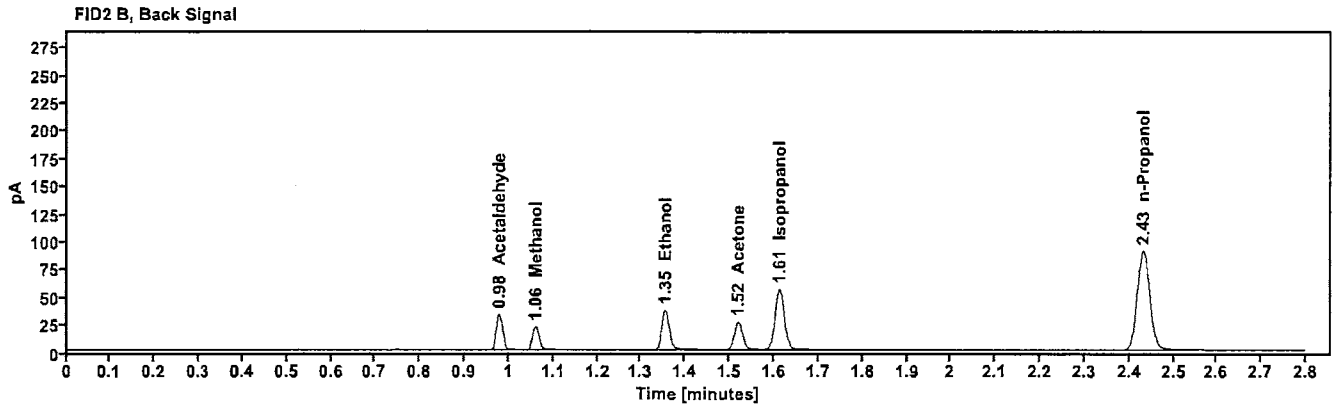
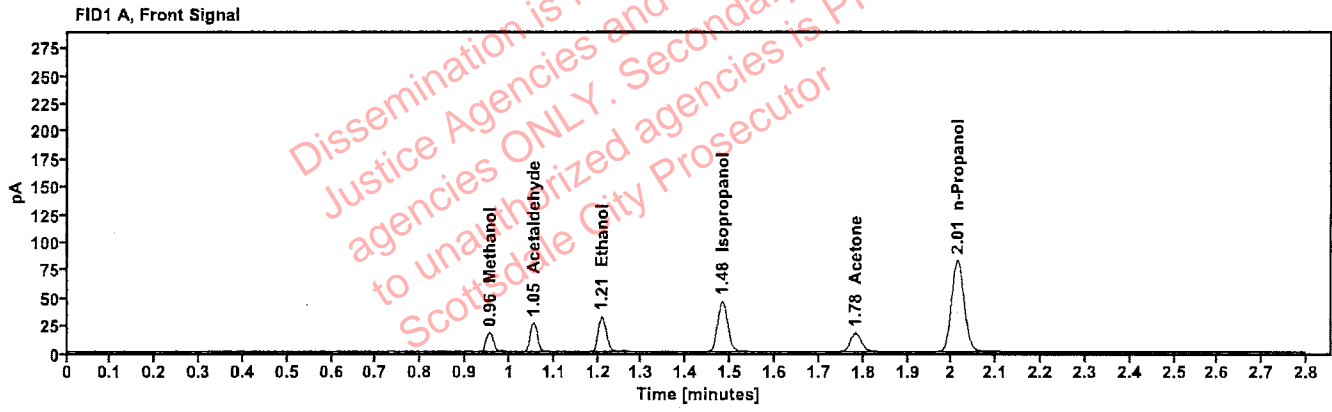


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	19.721
Acetaldehyde	-----	1.054	28.907
>Ethanol	0.0663	1.209	40.151
Isopropanol	-----	1.482	73.184
Acetone	-----	1.783	29.316
n-Propanol	-----	2.013	164.354

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	32.373
Methanol	1.060	21.691
Ethanol	1.354	43.647
Acetone	1.519	32.333
Isopropanol	1.612	80.952
n-Propanol	2.432	178.127

Scottsdale Police Department Crime Lab Volatiles Analysis

70

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 07Feb23
Instrument: US14173023 CN14160045	Injection date: 2/7/2023 11:37:15 AM
Data file: C:\Chem32\1\Data\07Feb23\7.D	Analyst: Brooke

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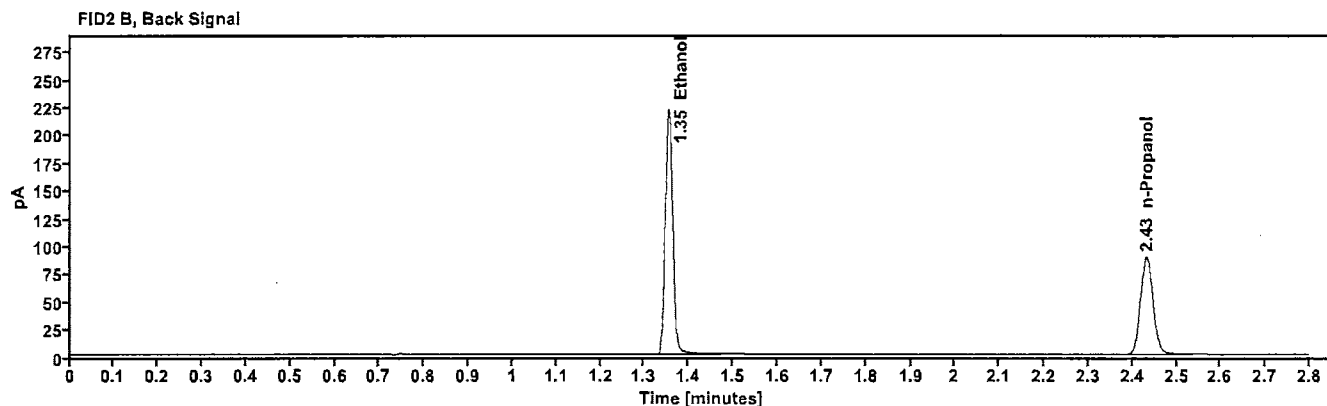
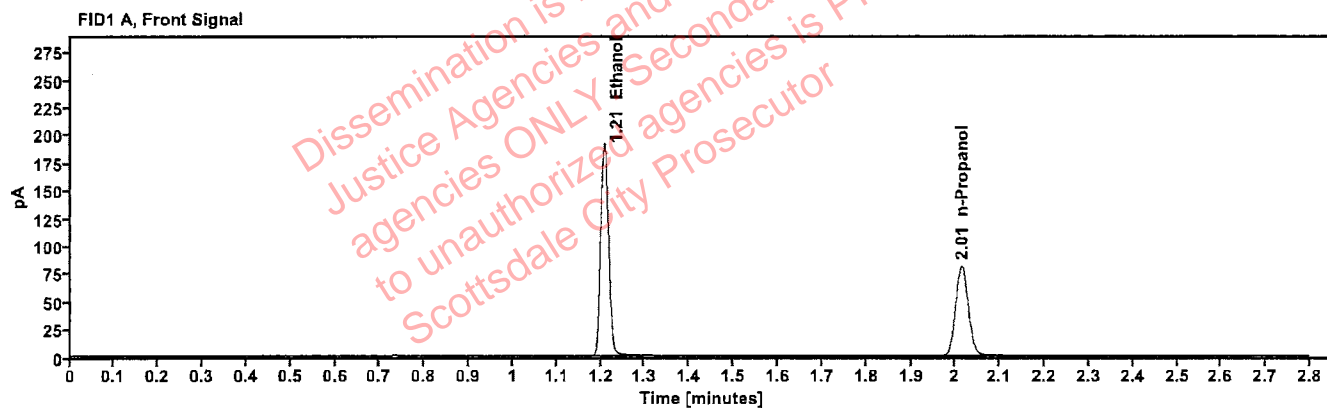


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4021	1.207	242.535
n-Propanol	-----	2.014	161.520

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

Compound	Time (min)	Peak Area
Ethanol	1.354	265.915
n-Propanol	2.432	174.934

Scottsdale Police Department Crime Lab Volatiles Analysis

JB

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 07Feb23
Instrument: US14173023 CN14160045	Injection date: 2/7/2023 11:41:15 AM
Data file: C:\Chem32\1\Data\07Feb23\8.D	Analyst: Brooke

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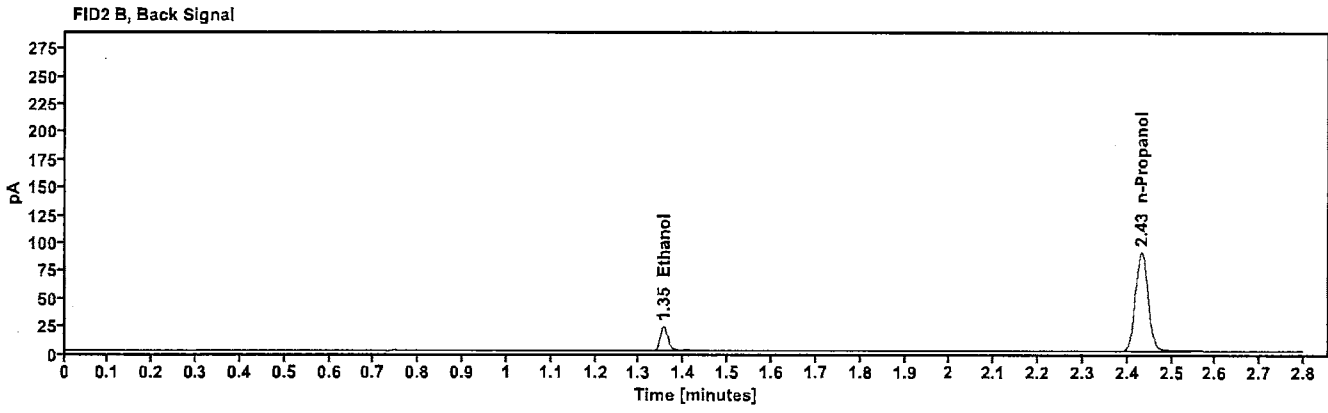
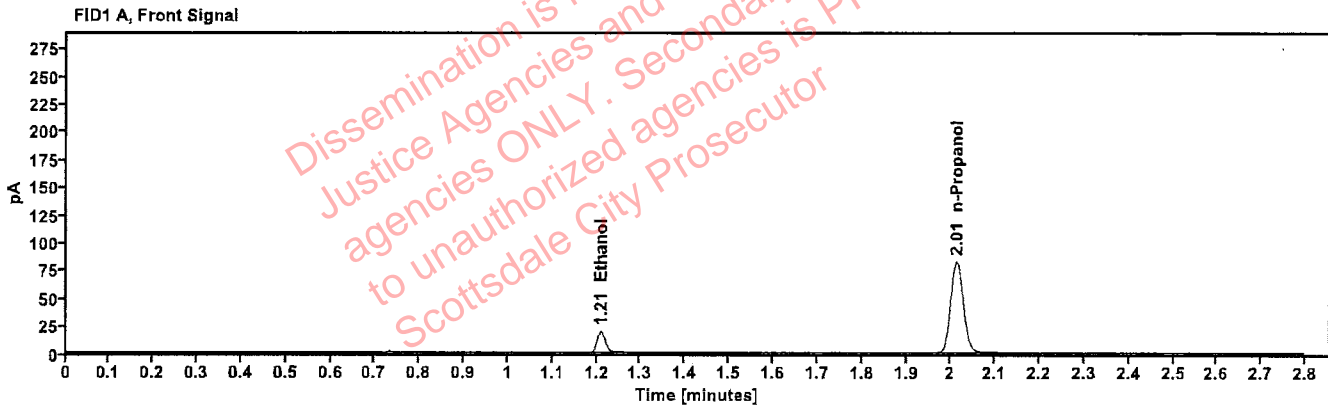


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.209	24.474
n-Propanol	-----	2.013	164.772

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.620
n-Propanol	2.432	178.858

Scottsdale Police Department Crime Lab Volatiles Analysis

APB

Sample:	4110320133/10	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 11:45:15 AM
Data file:	C:\Chem32\1\Data\07Feb23\9.D	Analyst:	Brooke

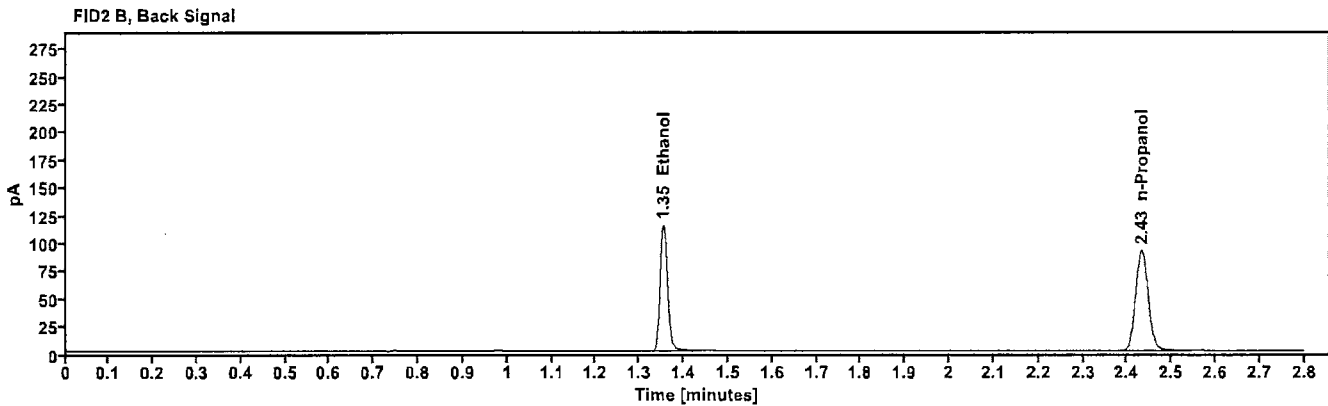
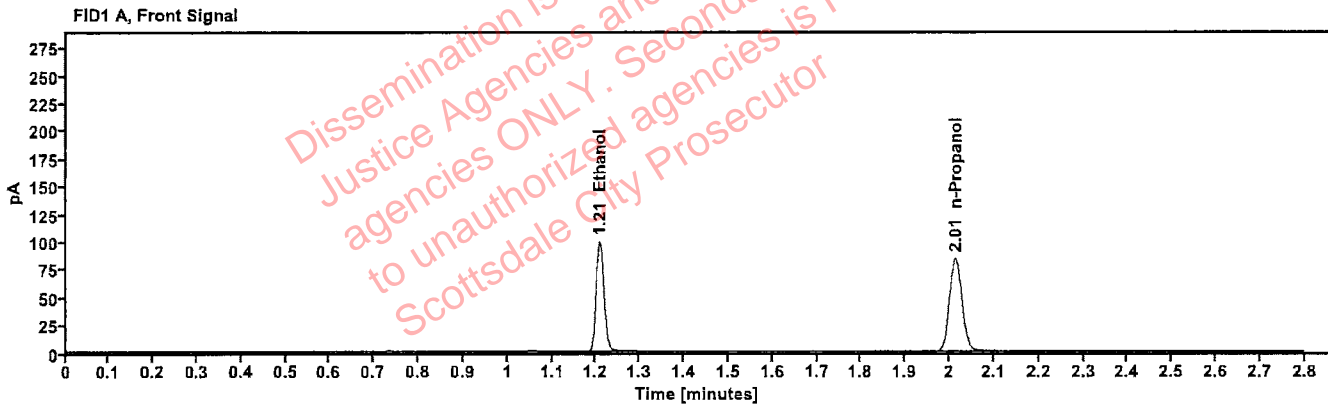


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2014	1.208	125.462
n-Propanol	-----	2.014	167.233

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

Compound	Time (min)	Peak Area
Ethanol	1.354	136.777
n-Propanol	2.432	181.520

Scottsdale Police Department Crime Lab Volatiles Analysis

199

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 07Feb23
Instrument: US14173023 CN14160045	Injection date: 2/7/2023 12:29:45 PM
Data file: C:\Chem32\1\Data\07Feb23\20.D	Analyst: Brooke

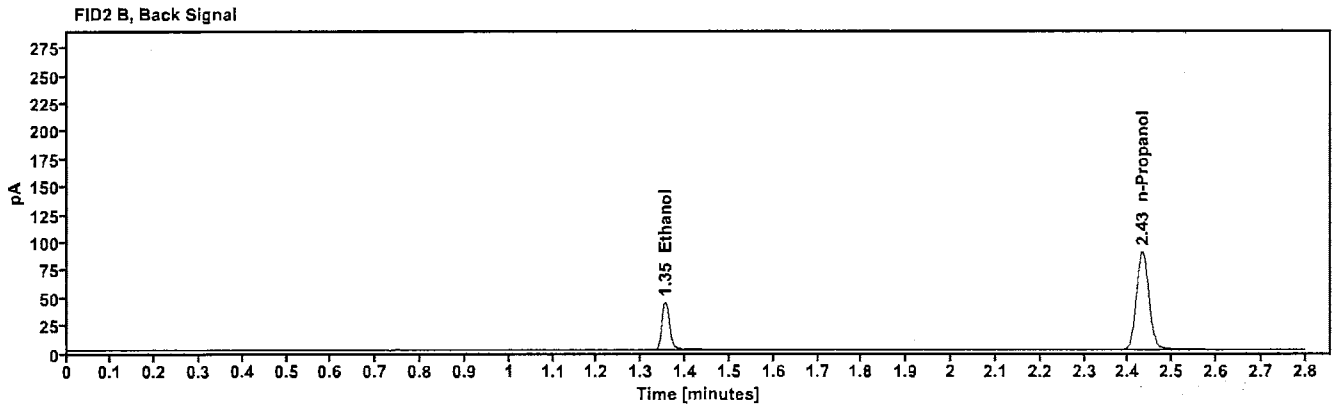
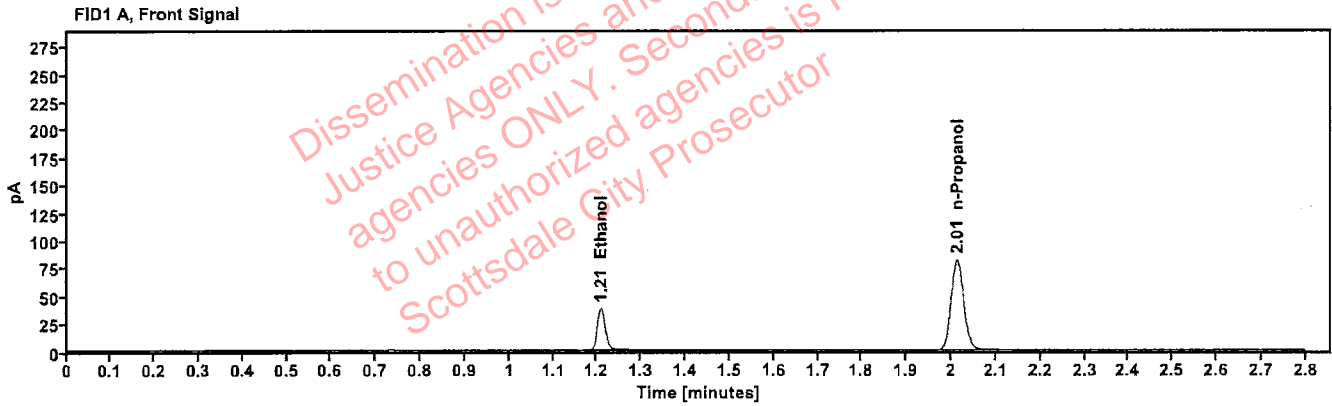


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0803	1.208	48.315
n-Propanol	-----	2.013	162.752

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

Compound	Time (min)	Peak Area
Ethanol	1.354	52.708
n-Propanol	2.432	176.684

Scottsdale Police Department Crime Lab Volatiles Analysis

103

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:14:15 PM
Data file:	C:\Chem32\1\Data\07Feb23\31.D	Analyst:	Brooke

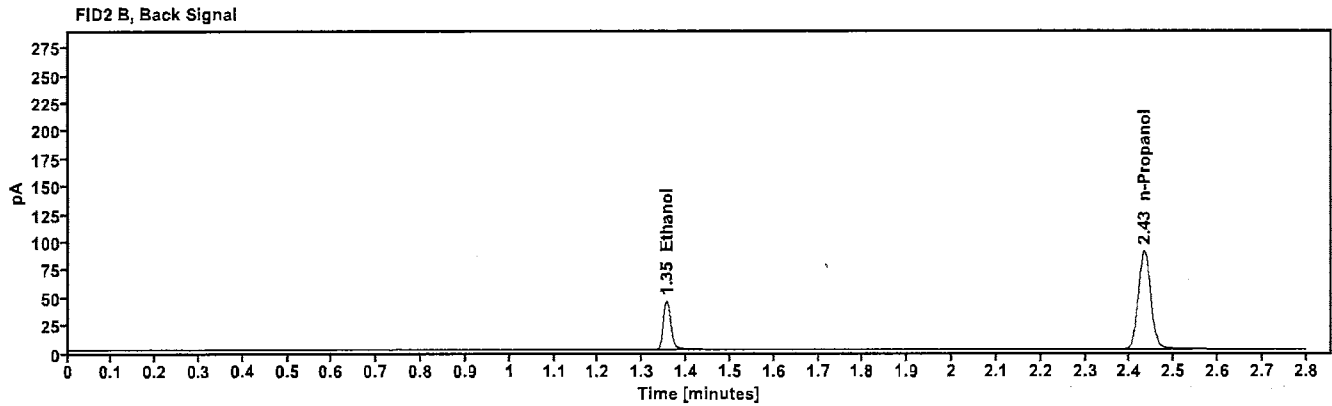
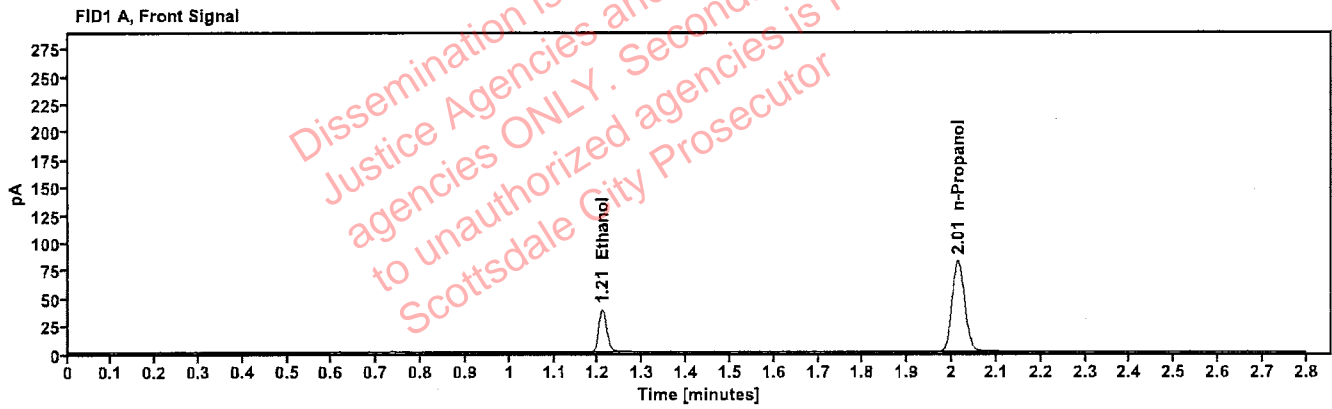


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.209	49.007
n-Propanol	-----	2.014	163.999

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

Compound	Time (min)	Peak Area
Ethanol	1.355	53.218
n-Propanol	2.432	177.952

Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 07Feb23
Instrument: US14173023 CN14160045	Injection date: 2/7/2023 1:58:31 PM
Data file: C:\Chem32\1\Data\07Feb23\42.D	Analyst: Brooke

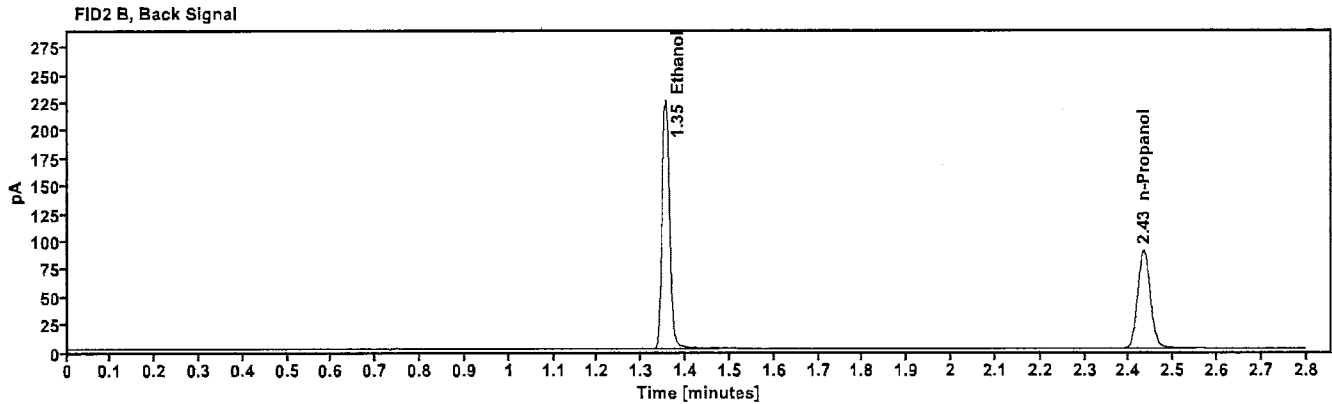
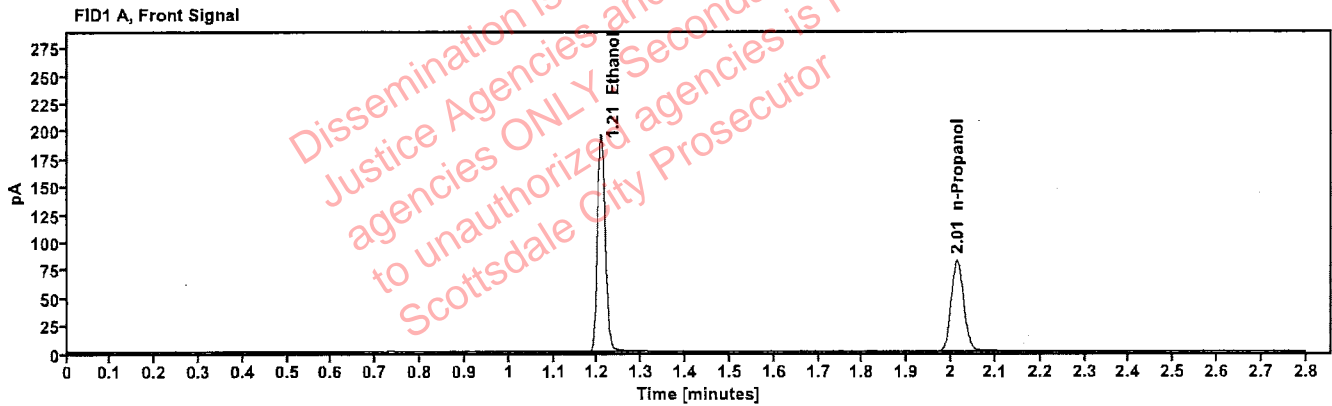


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4046	1.208	247.289
n-Propanol	-----	2.014	163.648

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

Compound	Time (min)	Peak Area
Ethanol	1.354	271.445
n-Propanol	2.433	177.576

Scottsdale Police Department Crime Lab Volatiles Analysis

70

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 07Feb23
Instrument: US14173023 CN14160045	Injection date: 2/7/2023 2:02:46 PM
Data file: C:\Chem32\1\Data\07Feb23\43.D	Analyst: Brooke

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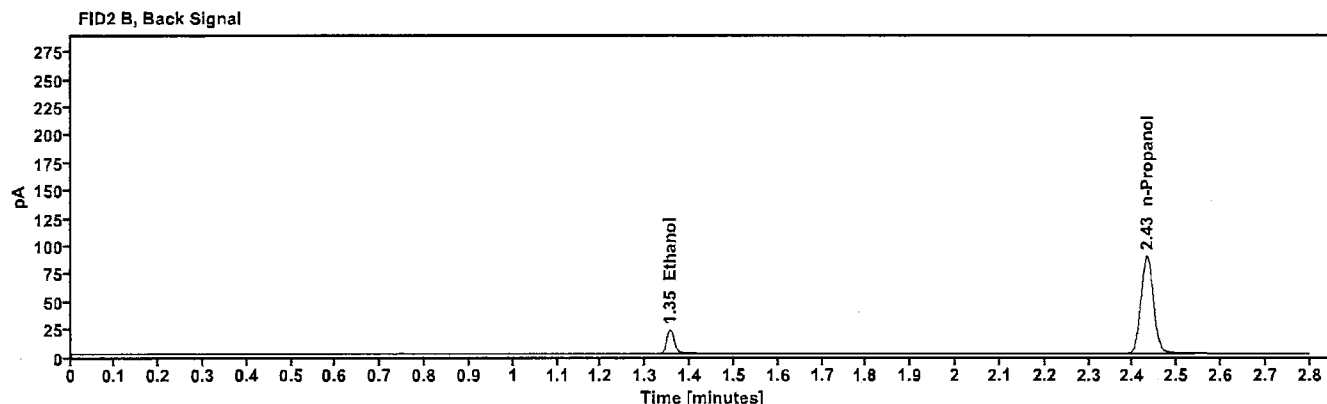
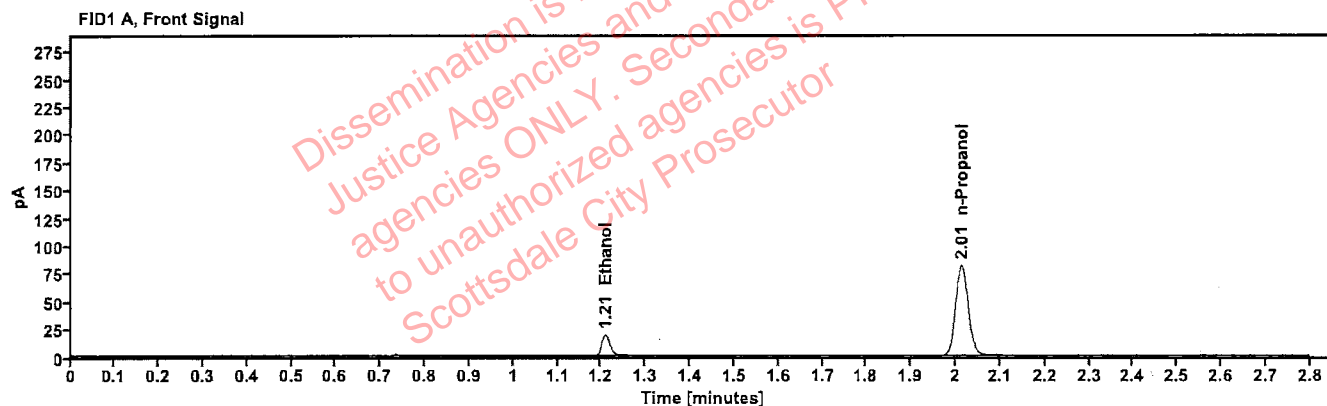


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.209	24.069
n-Propanol	---	2.013	162.255

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.143
n-Propanol	2.432	175.774

Scottsdale Police Department Crime Lab Volatiles Analysis

-123

Sample:	4110320133/10	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 2:06:46 PM
Data file:	C:\Chem32\1\Data\07Feb23\44.D	Analyst:	Brooke

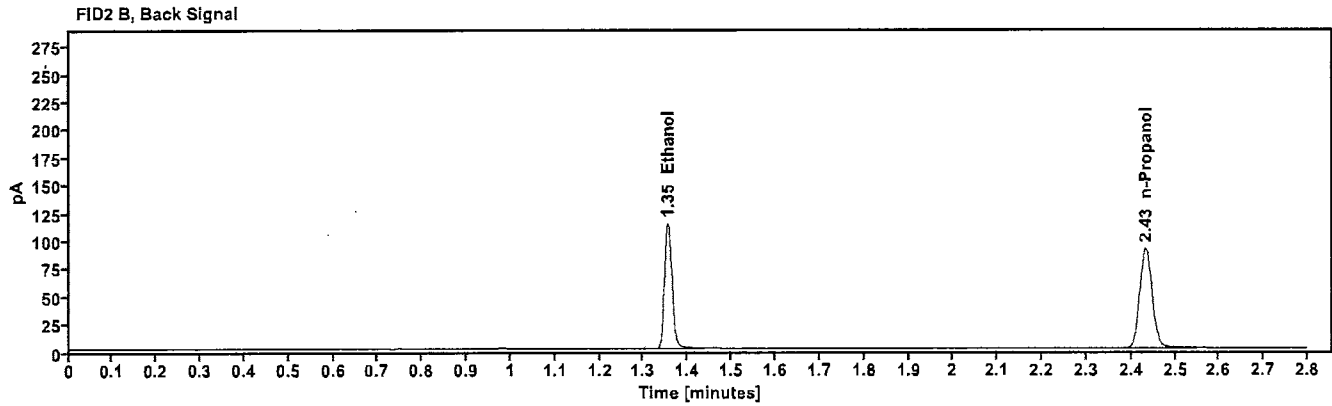
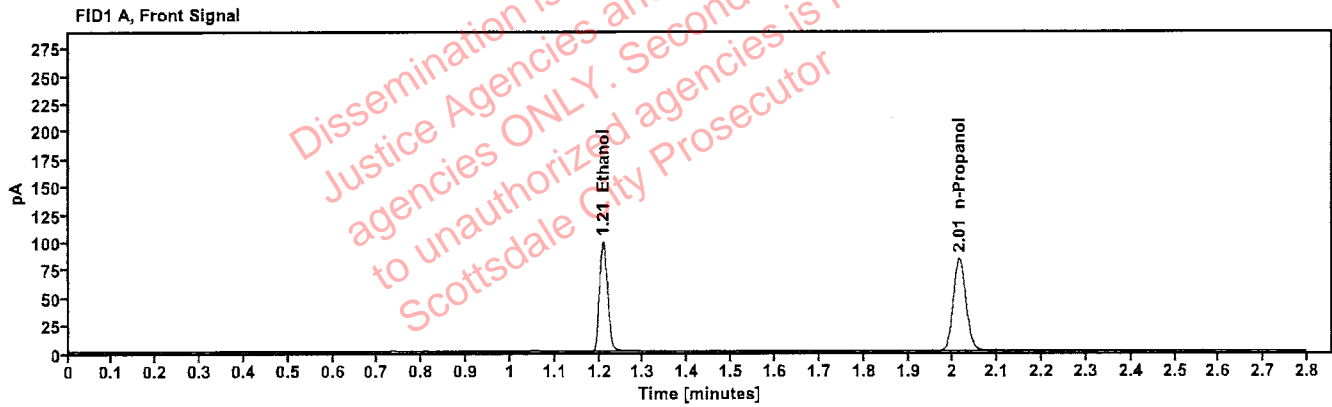


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2023	1.208	124.871
n-Propanol	---	2.014	165.726

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

Compound	Time (min)	Peak Area
Ethanol	1.355	136.229
n-Propanol	2.433	179.886

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	011823WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 2:10:46 PM
Data file:	C:\Chem32\1\Data\07Feb23\45.D	Analyst:	Brooke

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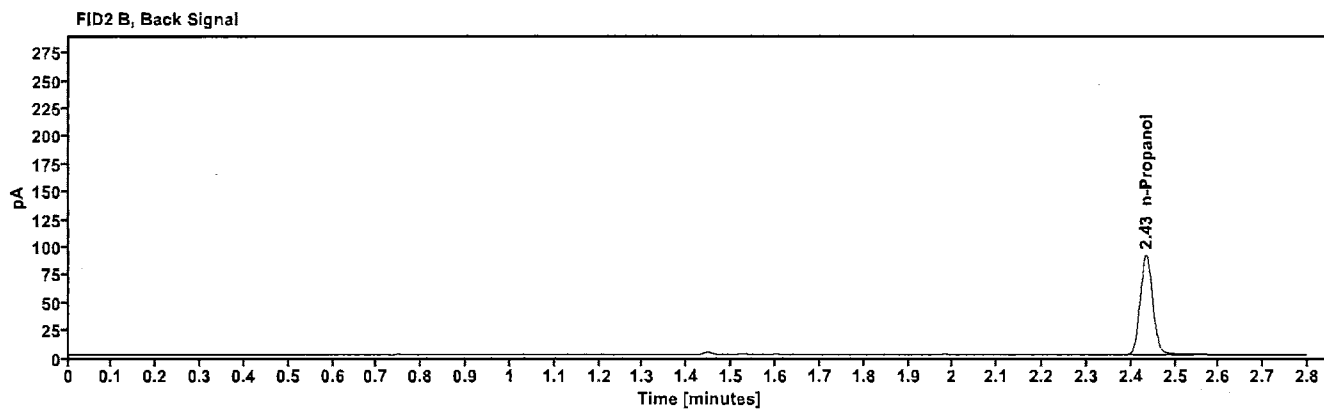
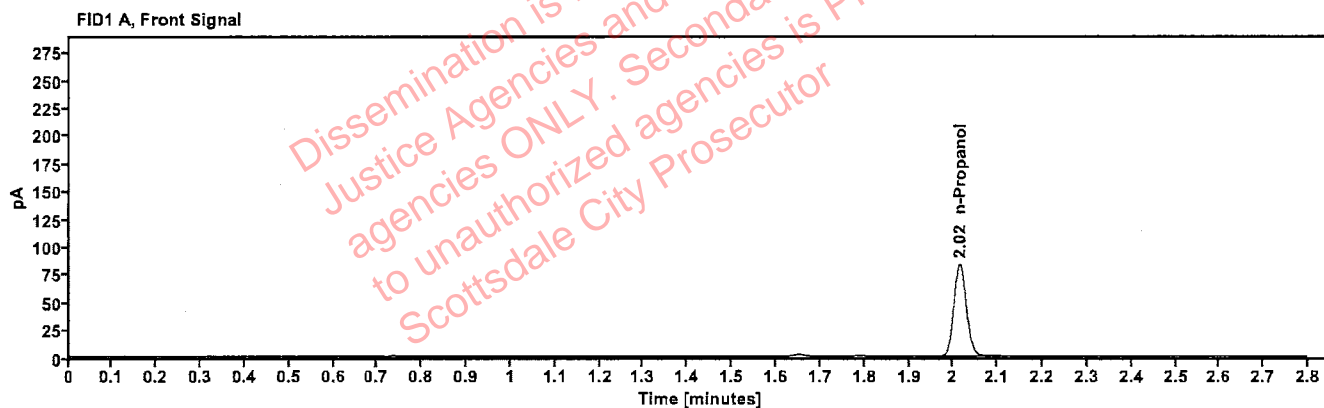


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	---	2.015	165.413

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

Compound	Time (min)	Peak Area
n-Propanol	2.434	179.633

Sequence Summary

PB

Sequence name: 07Feb23 Instrument: US14173023 CN14160045 Analyst: Brooke

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	4110320133/10	0.199	Control		ethanol quant.M
10	421-01J.S.		Sample		ethanol quant.M
11	421-01J.S.		Sample		ethanol quant.M
12	390-01C.R.		Sample		ethanol quant.M
13	390-01C.R.		Sample		ethanol quant.M
14	302-01S.S.		Sample		ethanol quant.M
15	302-01S.S.		Sample		ethanol quant.M
16	2301017-1		Sample		ethanol quant.M
17	2301017-1		Sample		ethanol quant.M
18	2301676-1		Sample		ethanol quant.M
19	2301676-1		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2301677-3		Sample		ethanol quant.M
22	2301677-3		Sample		ethanol quant.M
23	2301203-2		Sample		ethanol quant.M
24	2301203-2		Sample		ethanol quant.M
25	2301769-2		Sample		ethanol quant.M
26	2301769-2		Sample		ethanol quant.M
27	2301772-3		Sample		ethanol quant.M
28	2301772-3		Sample		ethanol quant.M
29	2301829-2		Sample		ethanol quant.M
30	2301829-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2301832-3		Sample		ethanol quant.M
33	2301832-3		Sample		ethanol quant.M
34	2301848-2		Sample		ethanol quant.M
35	2301848-2		Sample		ethanol quant.M
36	2301924-2		Sample		ethanol quant.M
37	2301924-2		Sample		ethanol quant.M
38	2300156-2		Sample		ethanol quant.M
39	2300156-2		Sample		ethanol quant.M
40	2301433-2		Sample		ethanol quant.M
41	2301433-2		Sample		ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/10	0.199	Control		ethanol quant.M
45	011823WB	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory

Summary of Cases

78

SEQUENCE NAME: 07Feb23

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2061	0.2097	0.20790	0.87	0.00180
12 13	0.0078	0.0079	0.00785	0.64	0.00005
14 15	0.2424	0.2430	0.24270	0.12	0.00030
16 17	0.1593	0.1609	0.16010	0.50	0.00080
18 19	0.1021	0.1030	0.10255	0.44	0.00045
21 22	0.1652	0.1658	0.16550	0.18	0.00030
23 24	0.1132	0.1136	0.11340	0.18	0.00020
25 26	0.0814	0.0827	0.08205	0.79	0.00065
27 28	0.1659	0.1682	0.16705	0.69	0.00115
29 30	0.2381	0.2361	0.23710	0.42	0.00100
32 33	0.3473	0.3439	0.34560	0.49	0.00170
34 35	0.1649	0.1644	0.16465	0.15	0.00025
36 37	0.2156	0.2136	0.21460	0.47	0.00100
38 39	0.3083	0.3069	0.30760	0.23	0.00070
40 41	0.2093	0.2124	0.21085	0.74	0.00155

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

[REDACTED]: Brooke, Phillip - (08-Feb-2023)

Case: [REDACTED] User: pbrooke 2/8/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01J.S.	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 11:49:15 AM
Data file:	C:\Chem32\1\Data\07Feb23\10.D	Analyst:	Brooke

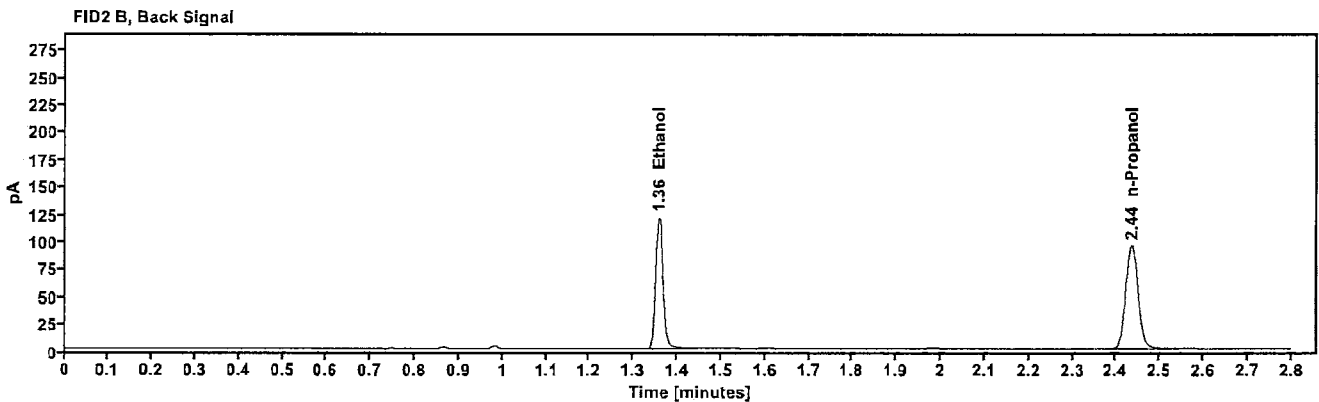
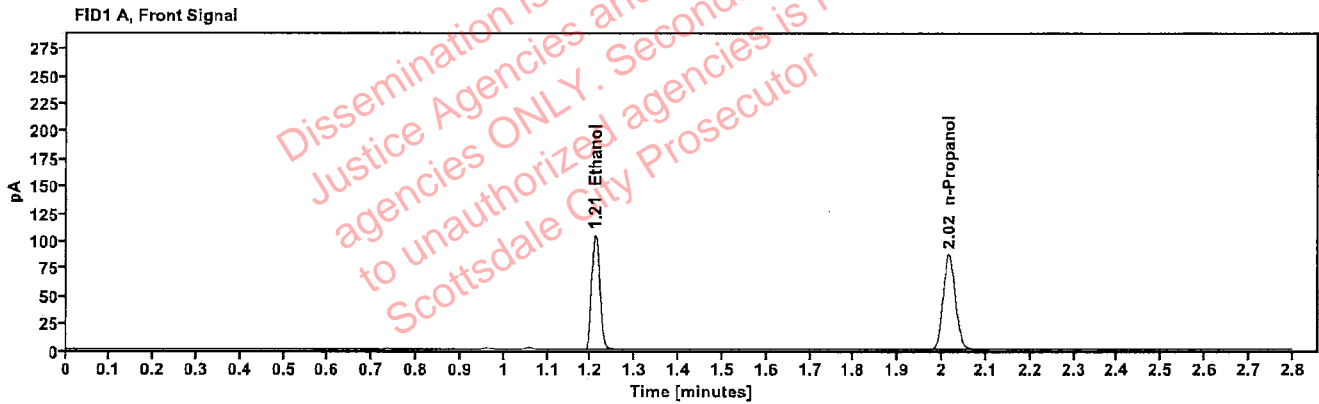


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2061	1.210	132.698
n-Propanol	---	2.016	172.821

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

Compound	Time (min)	Peak Area
Ethanol	1.357	144.865
n-Propanol	2.435	187.369

[REDACTED]: Brooke, Phillip - (08-Feb-2023)

Case: [REDACTED] User: pbrooke 2/8/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01J.S.	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 11:53:15 AM
Data file:	C:\Chem32\1\Data\07Feb23\11.D	Analyst:	Brooke

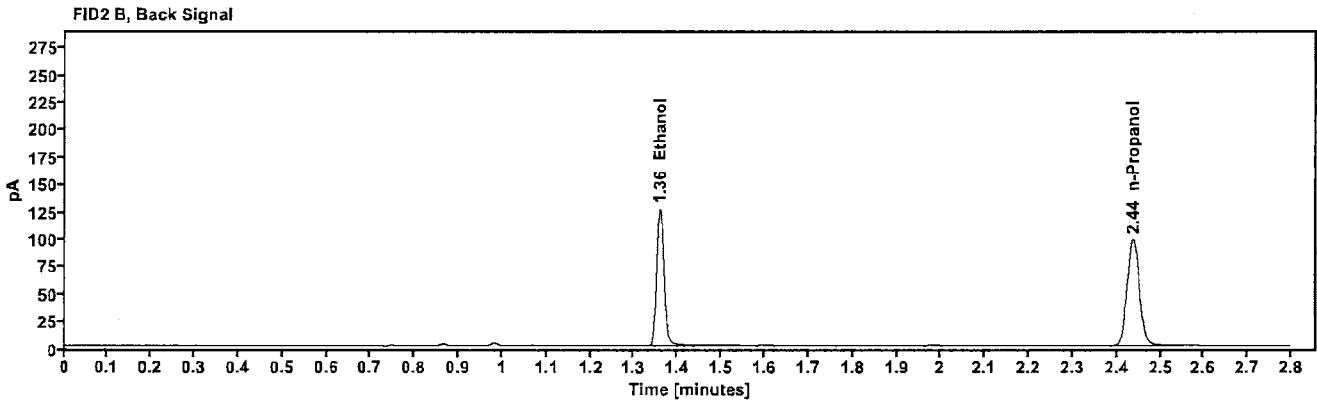
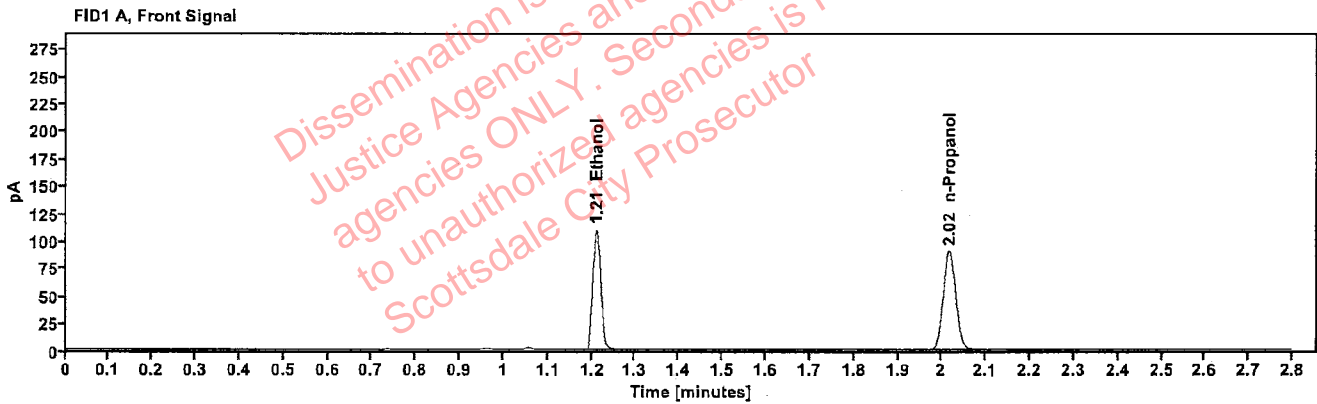


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2097	1.211	139.291
n-Propanol	-----	2.016	178.314

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

Compound	Time (min)	Peak Area
Ethanol	1.359	151.901
n-Propanol	2.437	193.226

[REDACTED] : Brooke, Phillip - (08-Feb-2023)

Case: [REDACTED] User: pbrooke 2/8/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01C.R.	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 11:57:15 AM
Data file:	C:\Chem32\1\Data\07Feb23\12.D	Analyst:	Brooke

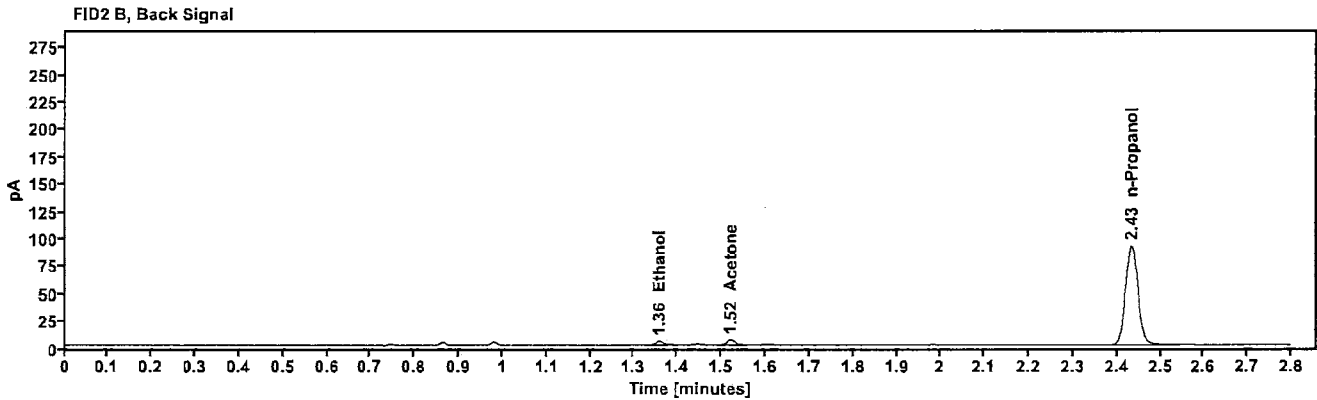
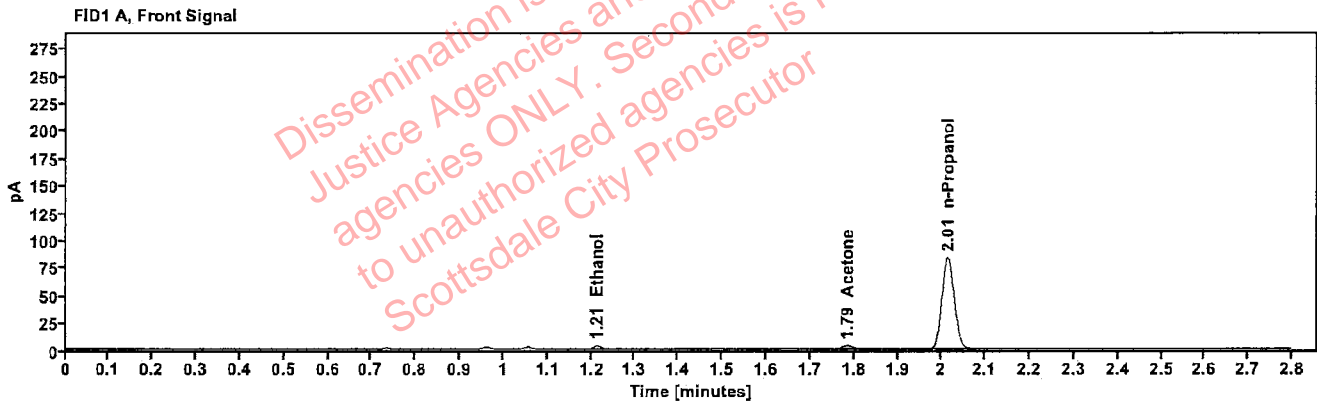


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0078	1.212	4.181
Acetone	-----	1.785	5.652
n-Propanol	-----	2.014	166.104

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

Compound	Time (min)	Peak Area
Ethanol	1.358	4.676
Acetone	1.521	6.322
n-Propanol	2.433	180.239

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01C.R.	Vial:	13
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:01:30 PM
Data file:	C:\Chem32\1\Data\07Feb23\13.D	Analyst:	Brooke

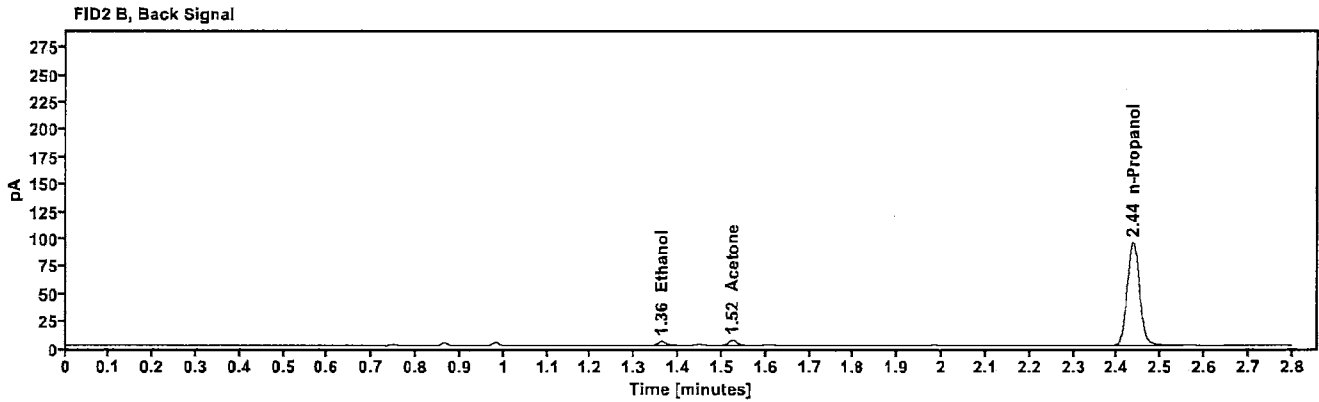
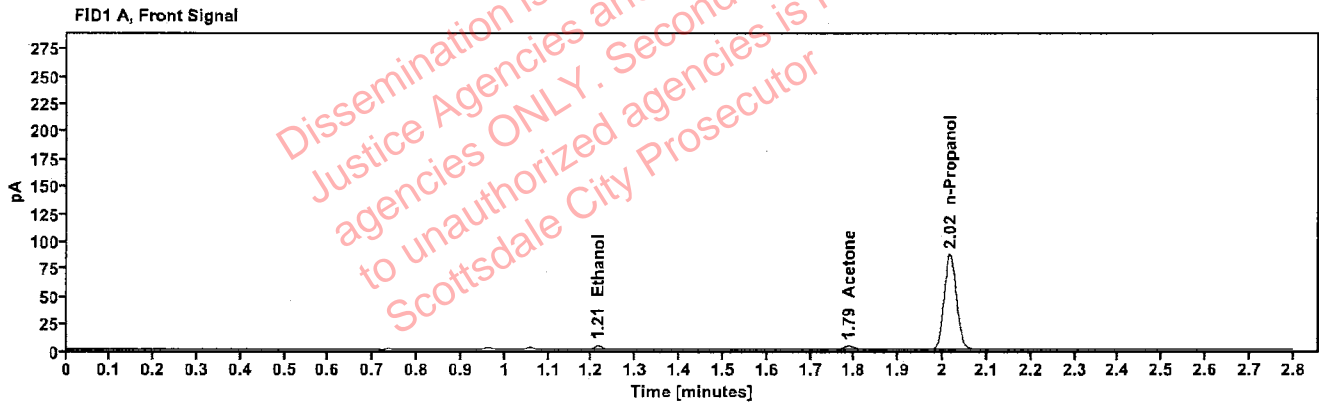


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0079	1.214	4.431
Acetone	-----	1.787	5.603
n-Propanol	-----	2.016	172.754

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

Compound	Time (min)	Peak Area
Ethanol	1.361	4.952
Acetone	1.523	6.309
n-Propanol	2.436	187.411

[REDACTED]: Brooke, Phillip - (08-Feb-2023)

Case: [REDACTED] User: pbrooke 2/8/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	302-01S.S.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:05:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\14.D	Analyst:	Brooke

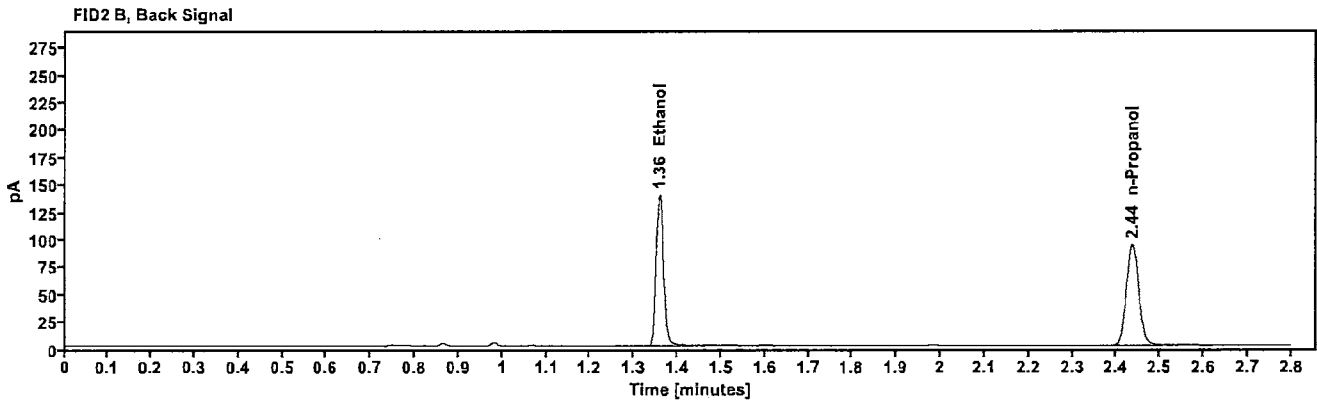
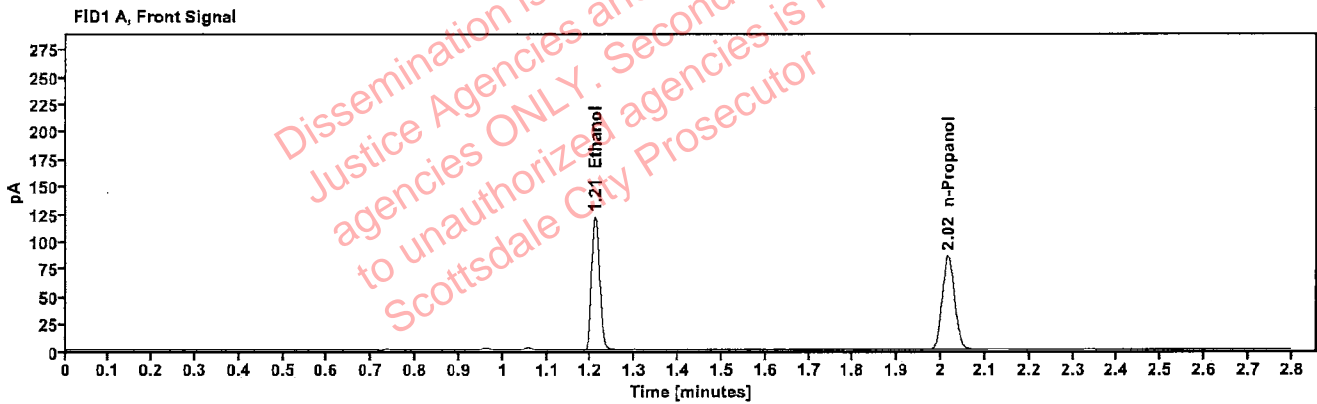


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2424	1.210	153.623
n-Propanol	---	2.016	170.020

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

Compound	Time (min)	Peak Area
Ethanol	1.358	168.090
n-Propanol	2.436	183.829

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	302-01S.S.	Vial:	15
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:09:30 PM
Data file:	C:\Chem32\1\Data\07Feb23\15.D	Analyst:	Brooke

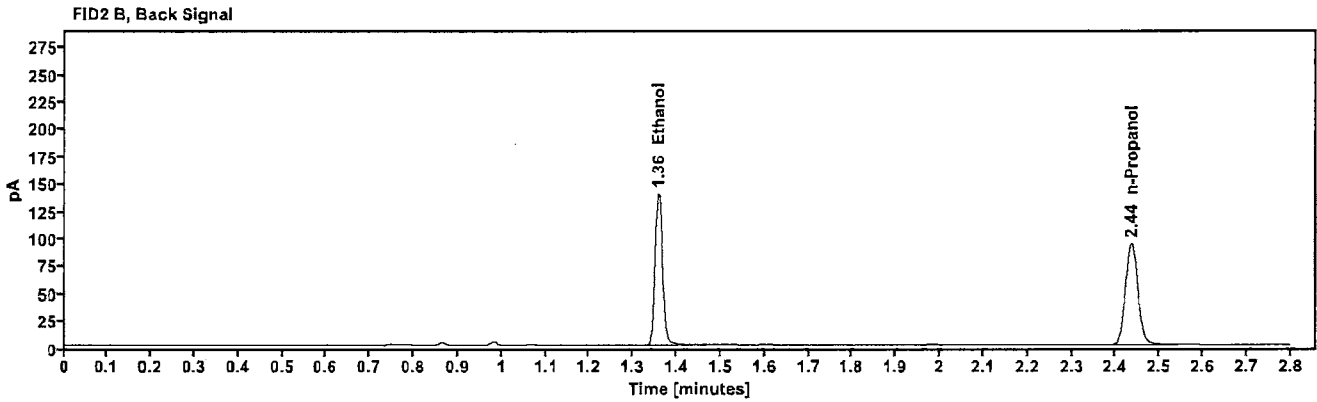
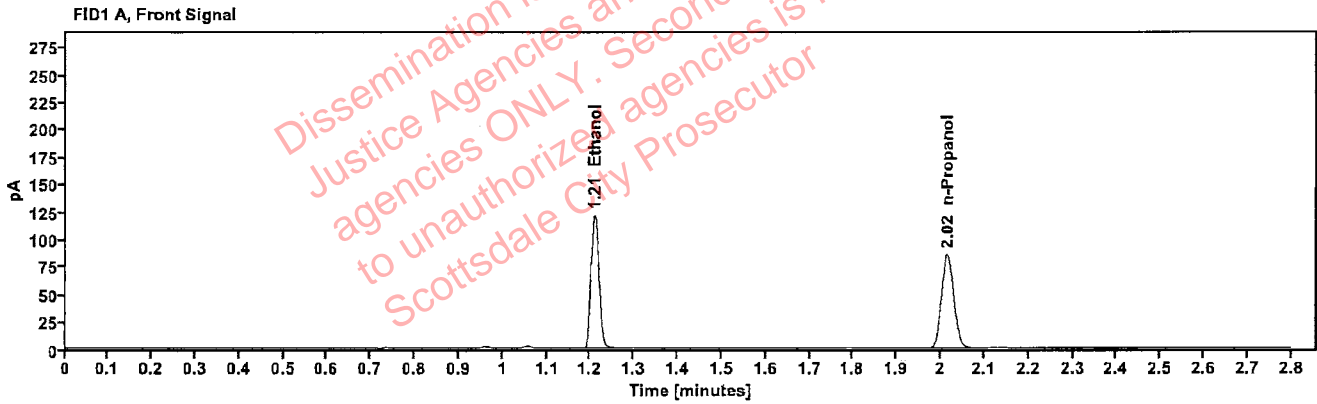


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2430	1.210	153.895
n-Propanol	-----	2.016	169.849

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

Compound	Time (min)	Peak Area
Ethanol	1.357	168.425
n-Propanol	2.435	183.726

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301017-1	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:13:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\16.D	Analyst:	Brooke

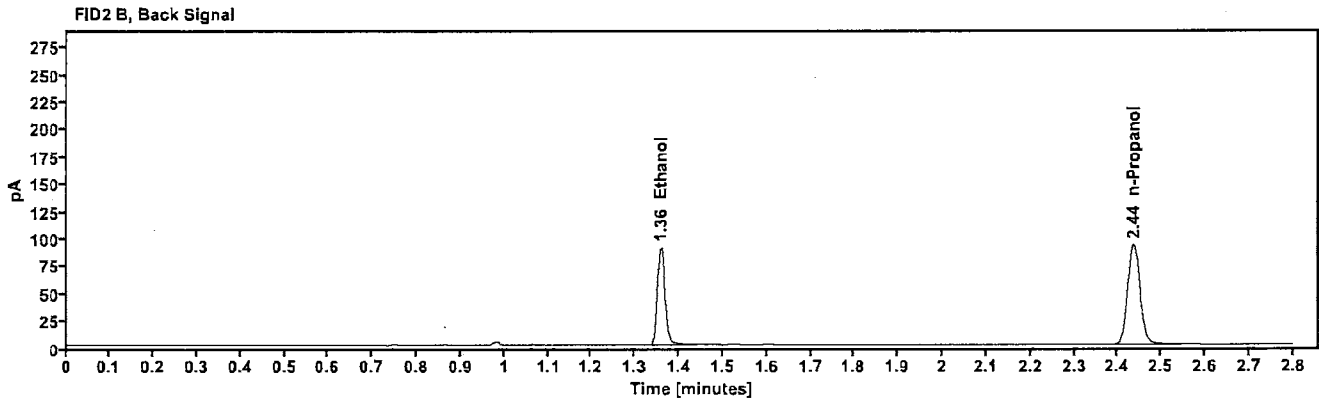
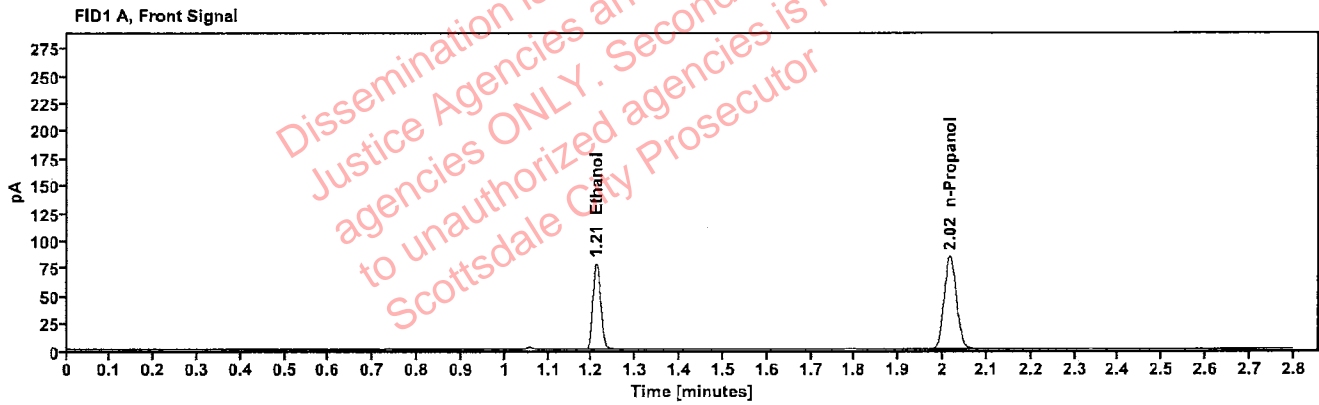


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1593	1.210	99.502
n-Propanol	---	2.016	167.918

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

Compound	Time (min)	Peak Area
Ethanol	1.358	108.479
n-Propanol	2.436	182.186

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301017-1	Vial:	17
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:17:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\17.D	Analyst:	Brooke

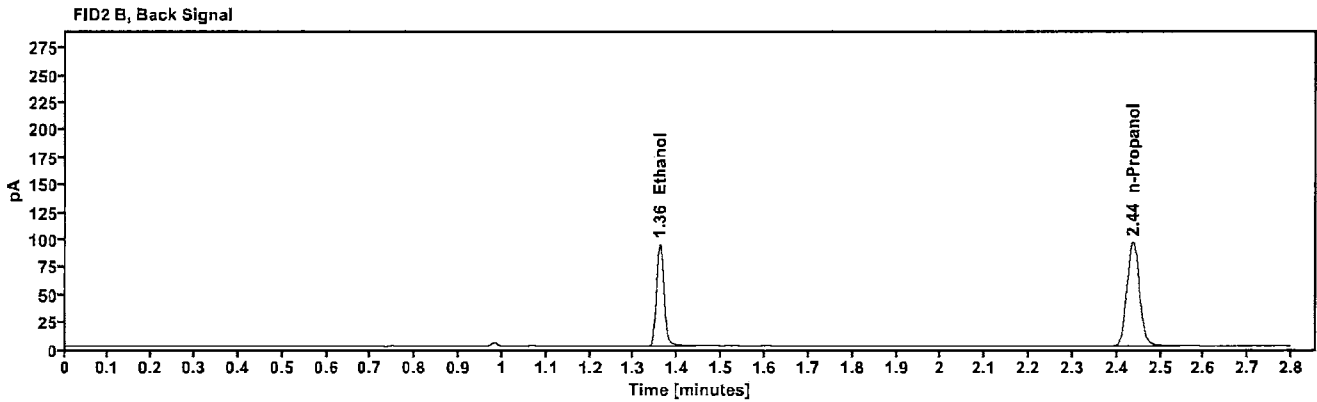
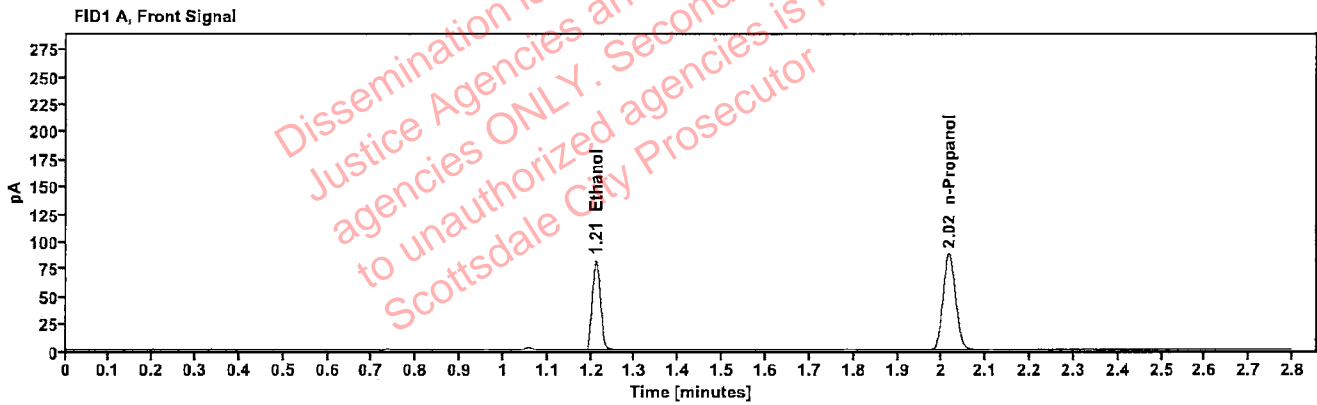


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1609	1.211	104.309
n-Propanol	-----	2.016	174.272

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

Compound	Time (min)	Peak Area
Ethanol	1.359	113.836
n-Propanol	2.437	189.266

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301676-1	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:21:30 PM
Data file:	C:\Chem32\1\Data\07Feb23\18.D	Analyst:	Brooke

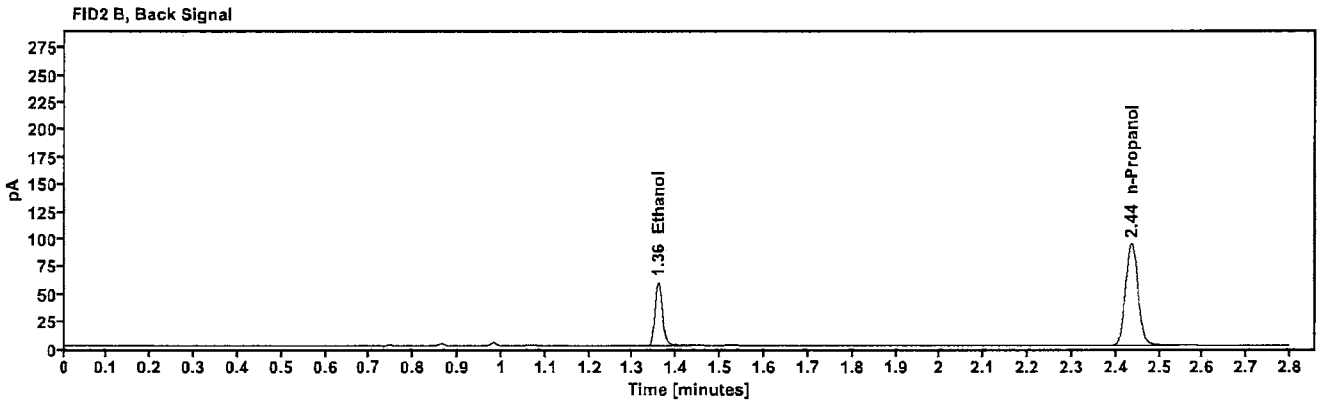
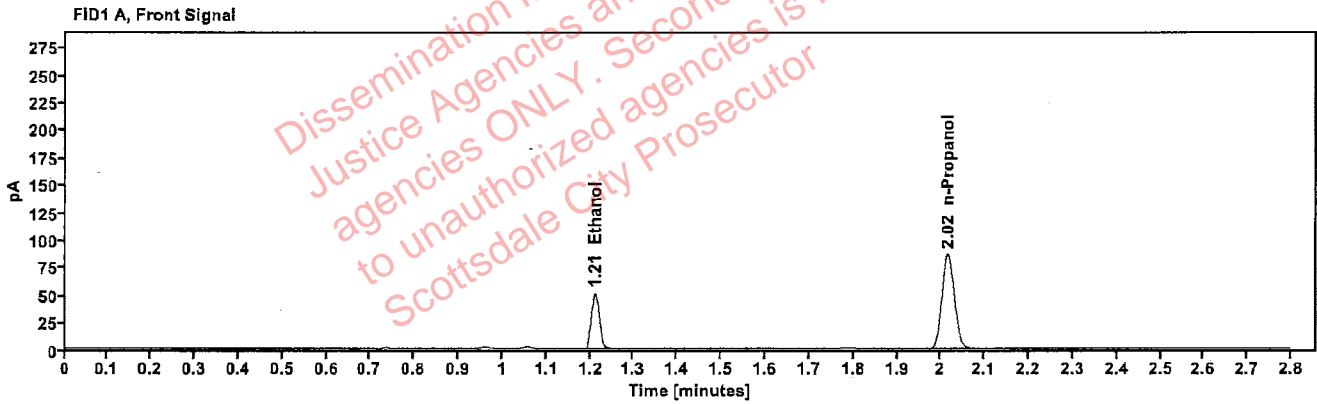


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1021	1.211	64.789
n-Propanol	-----	2.016	171.269

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

Compound	Time (min)	Peak Area
Ethanol	1.358	70.439
n-Propanol	2.436	185.814

[REDACTED]: Brooke, Phillip - (08-Feb-2023)

Case: [REDACTED] User: pbrooke 2/8/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301676-1	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:25:45 PM
Data file:	C:\Chem32\1\Data\07Feb23\19.D	Analyst:	Brooke

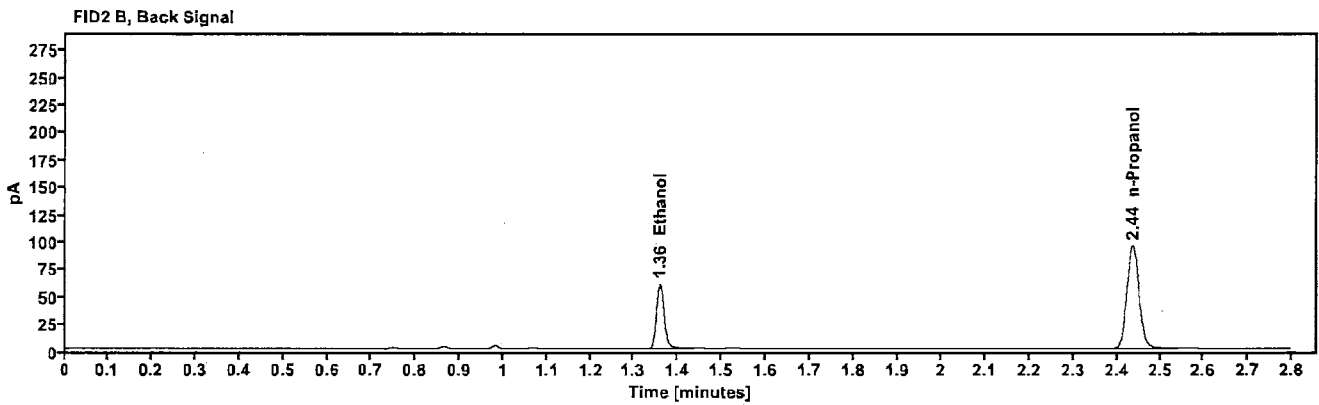
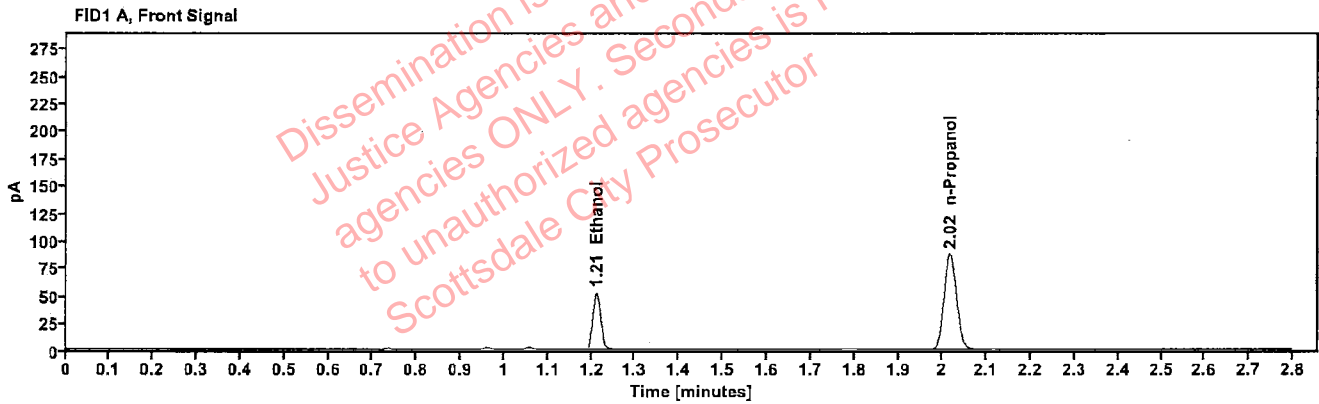


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1030	1.211	66.024
n-Propanol	---	2.016	173.028

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

Compound	Time (min)	Peak Area
Ethanol	1.359	71.612
n-Propanol	2.436	187.268

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301677-3	Vial:	21
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:33:45 PM
Data file:	C:\Chem32\1\Data\07Feb23\21.D	Analyst:	Brooke

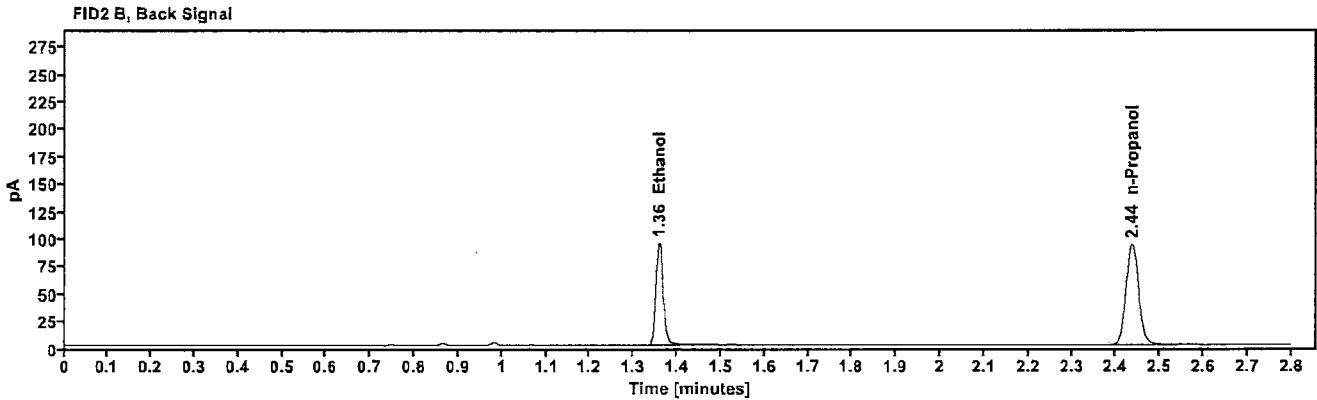
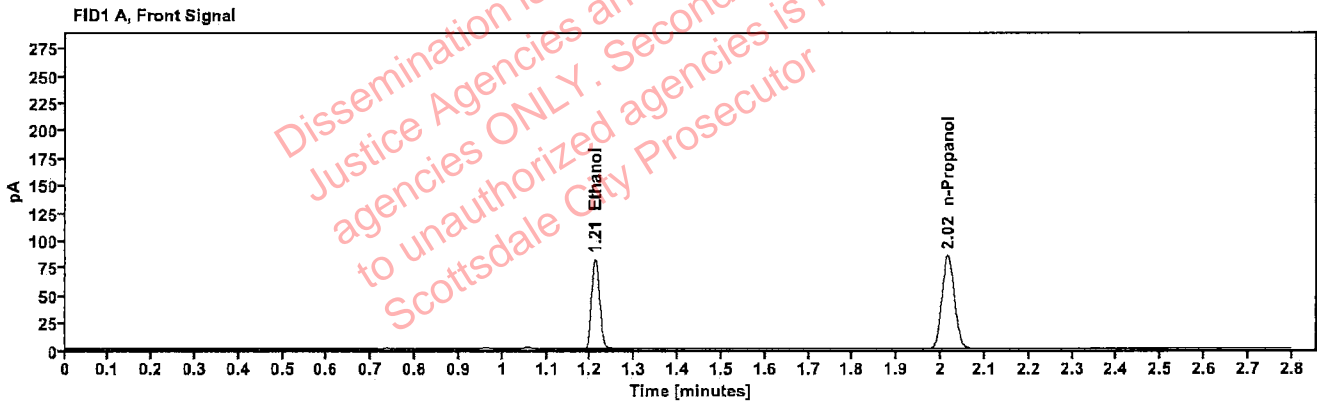


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1652	1.210	104.465
n-Propanol	-----	2.016	169.919

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

Compound	Time (min)	Peak Area
Ethanol	1.358	113.800
n-Propanol	2.436	184.037

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301677-3	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:37:45 PM
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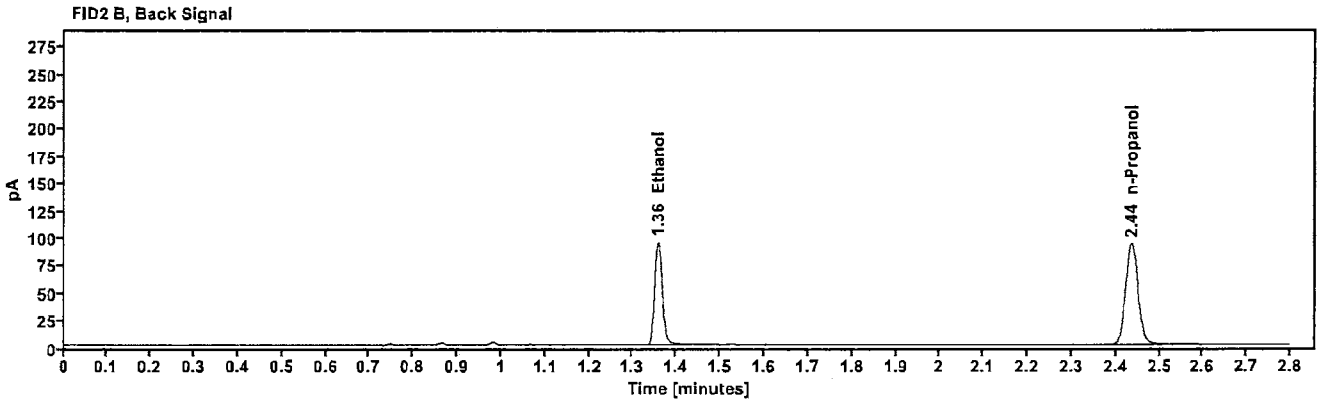
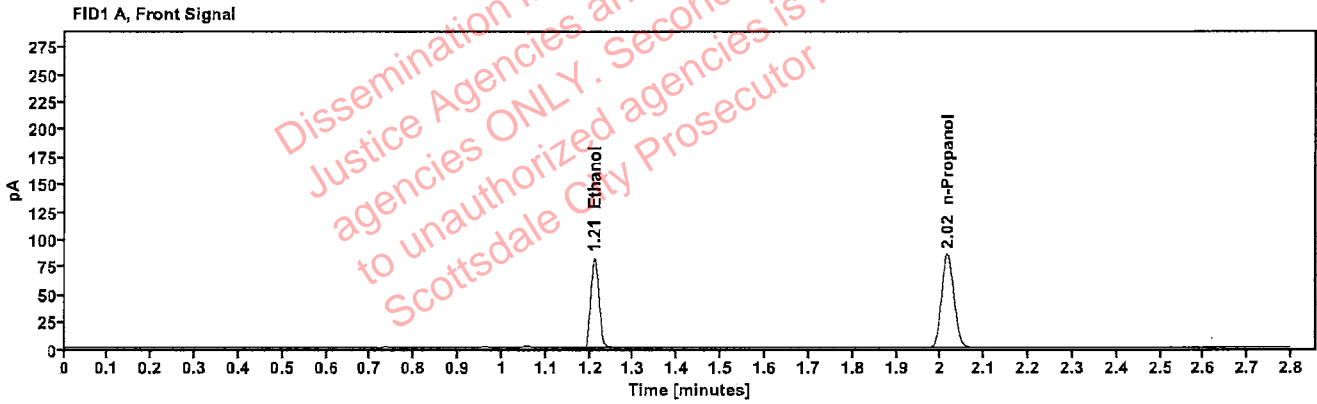


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1658	1.210	104.703
n-Propanol	-----	2.016	169.752

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

Compound	Time (min)	Peak Area
Ethanol	1.358	114.003
n-Propanol	2.436	183.614

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301203-2	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:41:45 PM
Data file:	C:\Chem32\1\Data\07Feb23\23.D	Analyst:	Brooke

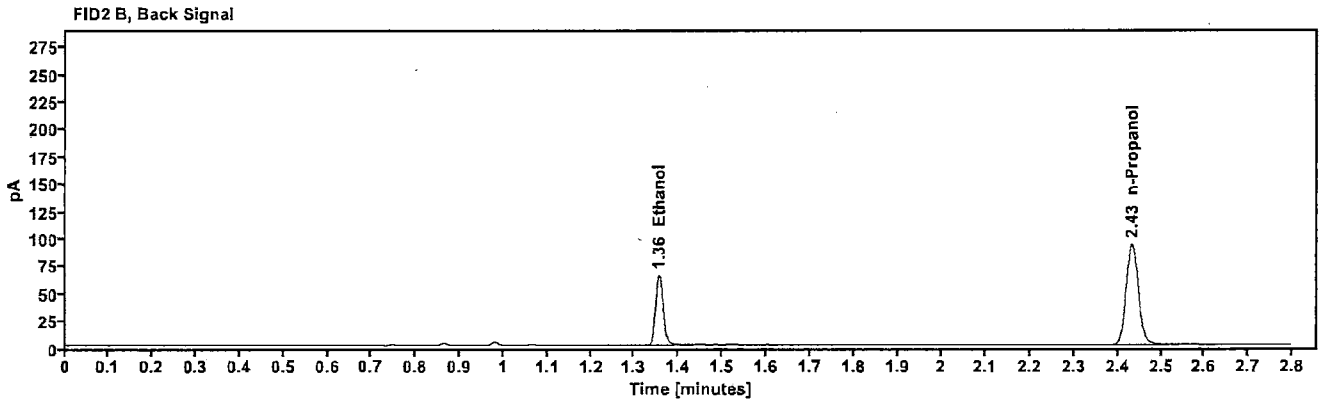
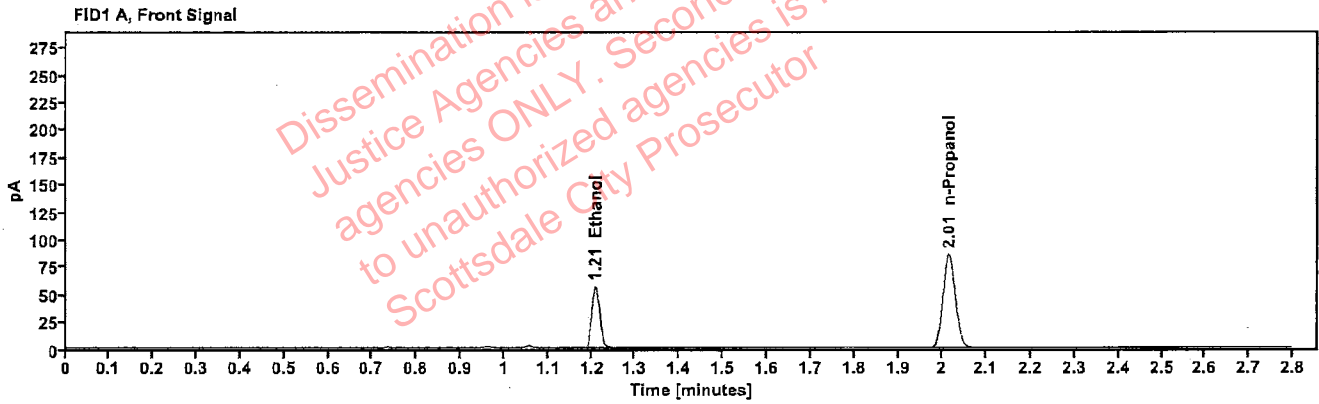


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1132	1.209	71.099
n-Propanol	—	2.014	169.369

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

Compound	Time (min)	Peak Area
Ethanol	1.355	77.196
n-Propanol	2.433	183.714

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301203-2	Vial:	24
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:45:45 PM
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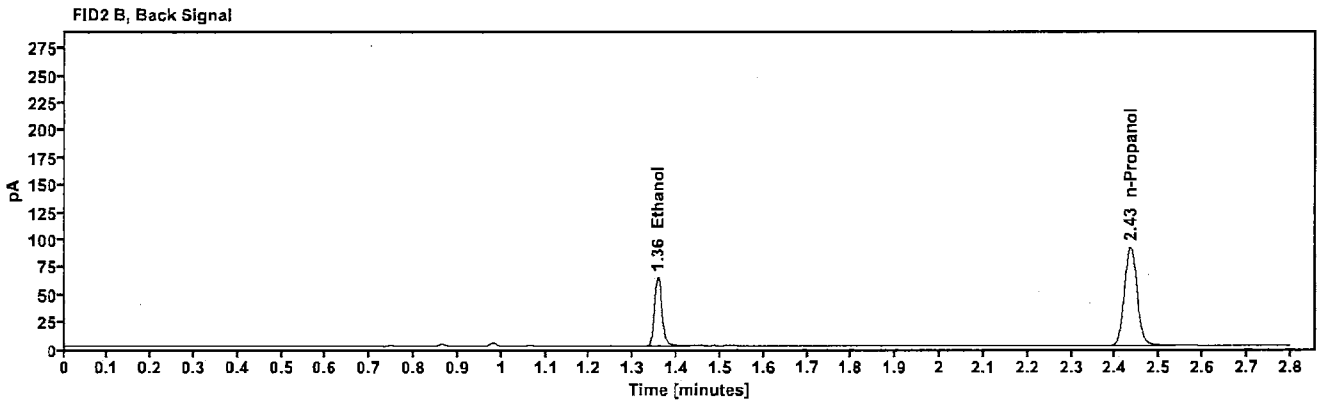
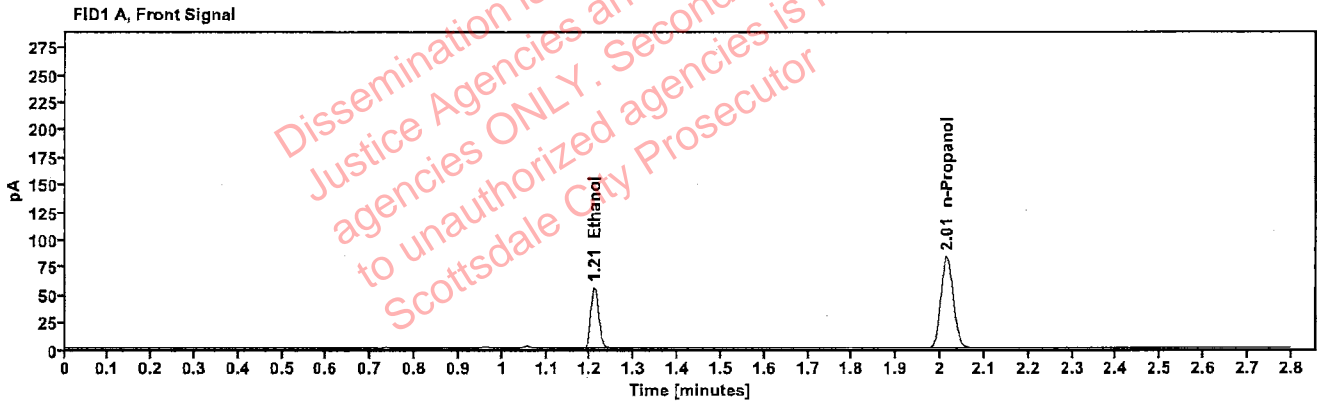


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1136	1.209	69.999
n-Propanol	-----	2.015	166.110

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

Compound	Time (min)	Peak Area
Ethanol	1.356	76.081
n-Propanol	2.434	179.846

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301769-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:50:00 PM
Data file:	C:\Chem32\1\Data\07Feb23\25.D	Analyst:	Brooke

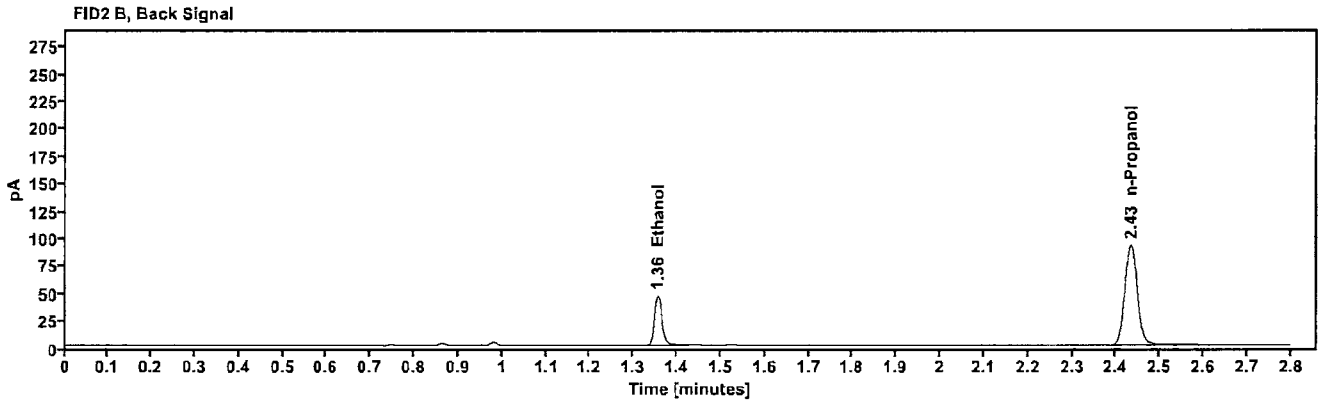
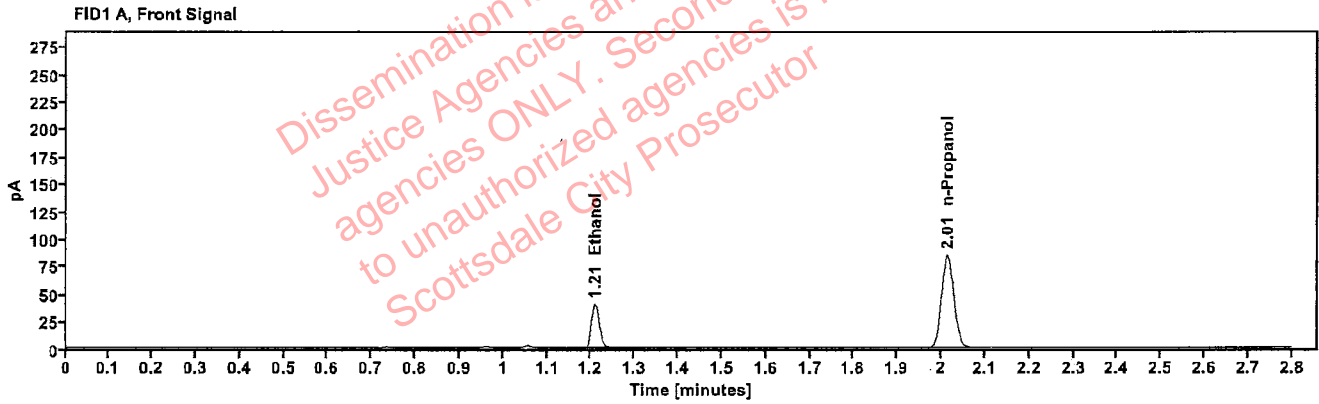


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.209	50.631
n-Propanol	-----	2.014	168.291

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

Compound	Time (min)	Peak Area
Ethanol	1.355	54.822
n-Propanol	2.433	182.329

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301769-2	Vial:	26
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:54:01 PM
Data file:	C:\Chem32\11\Data\07Feb23\26.D	Analyst:	Brooke

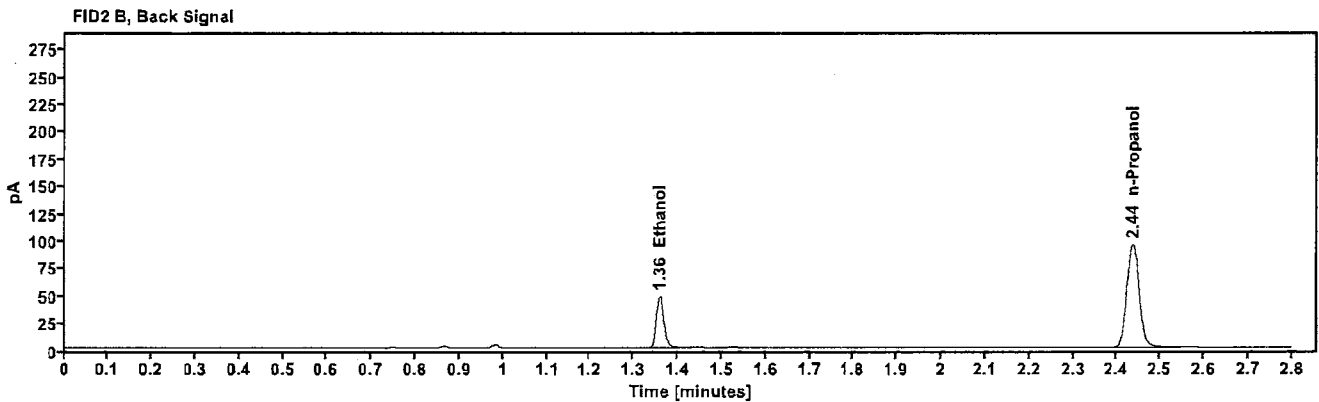
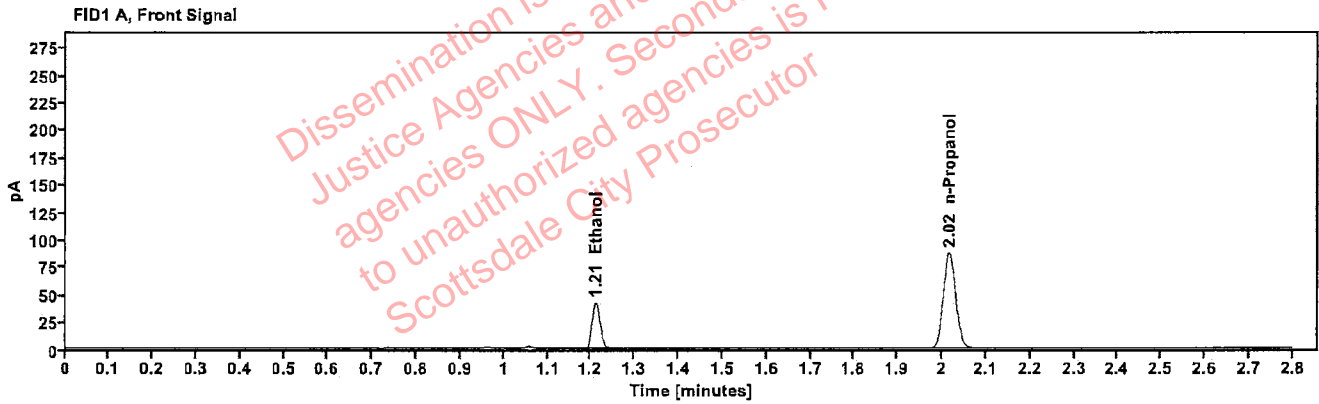


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0827	1.211	53.052
n-Propanol	-----	2.016	173.590

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

Compound	Time (min)	Peak Area
Ethanol	1.359	57.506
n-Propanol	2.436	187.986

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301772-3	Vial:	27
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 12:58:00 PM
Data file:	C:\Chem32\1\Data\07Feb23\27.D	Analyst:	Brooke

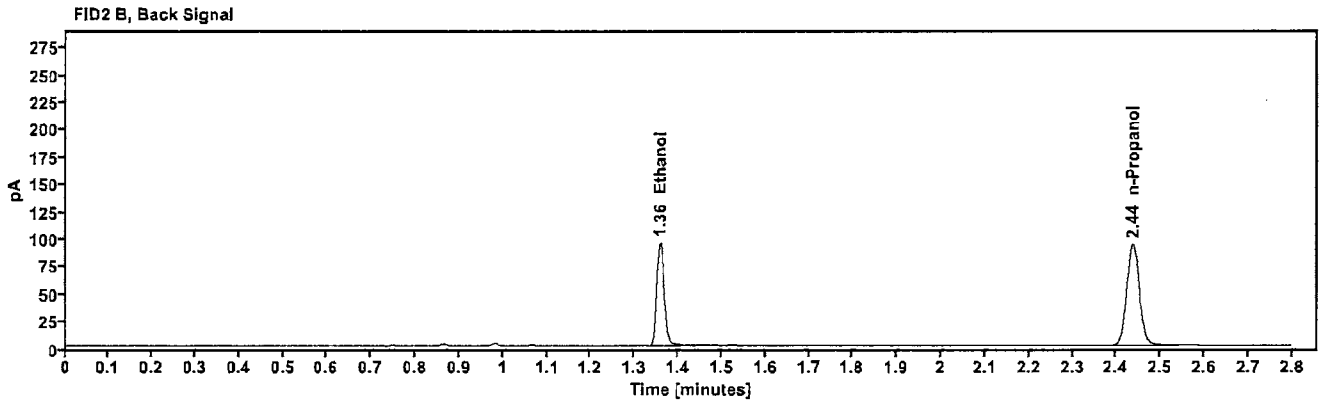
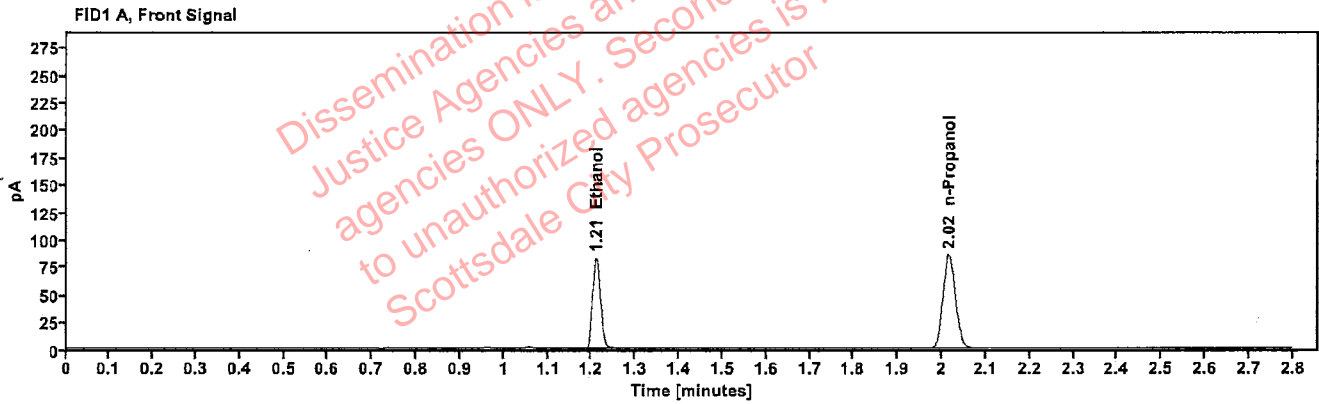


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1659	1.210	105.175
n-Propanol	-----	2.016	170.368

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

Compound	Time (min)	Peak Area
Ethanol	1.358	114.657
n-Propanol	2.436	184.410

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301772-3	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:02:00 PM
Data file:	C:\Chem32\1\Data\07Feb23\28.D	Analyst:	Brooke

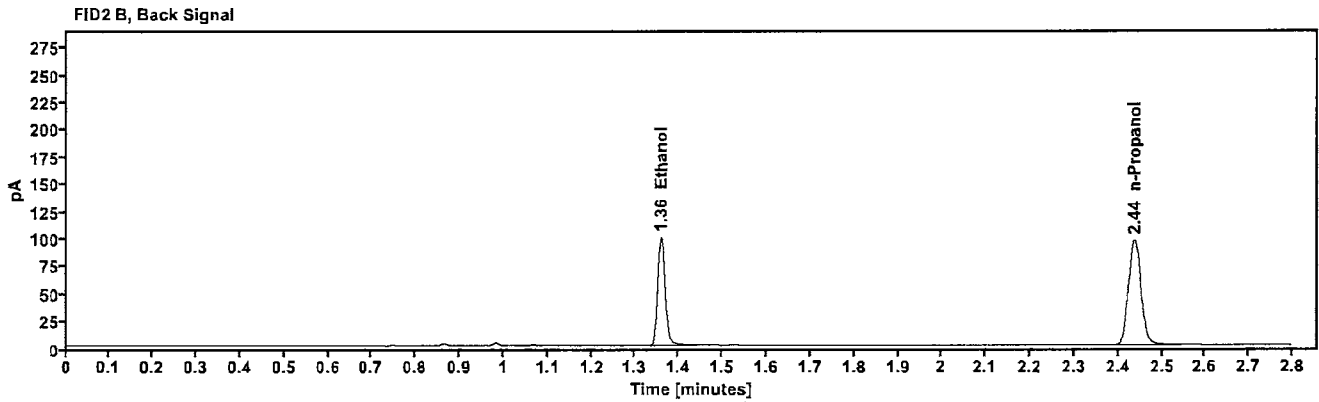
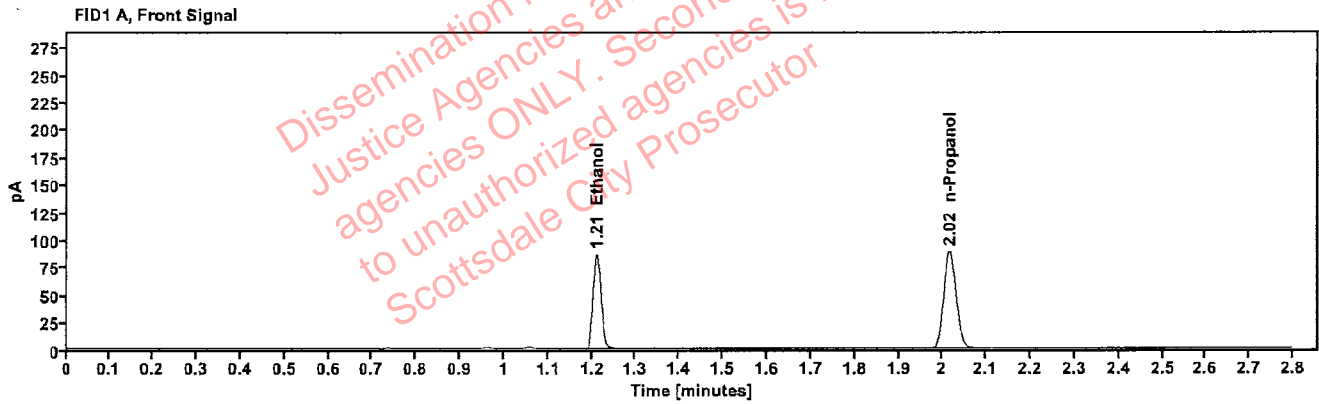


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1682	1.211	110.138
n-Propanol	-----	2.017	175.994

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

Compound	Time (min)	Peak Area
Ethanol	1.359	120.134
n-Propanol	2.437	190.582

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301829-2	Vial:	29
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:06:00 PM
Data file:	C:\Chem32\11\Data\07Feb23\29.D	Analyst:	Brooke

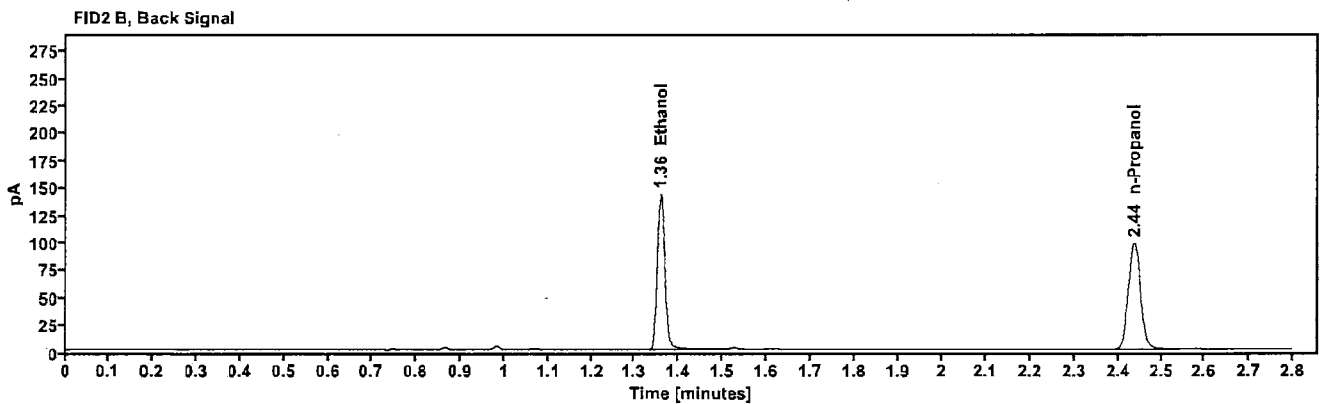
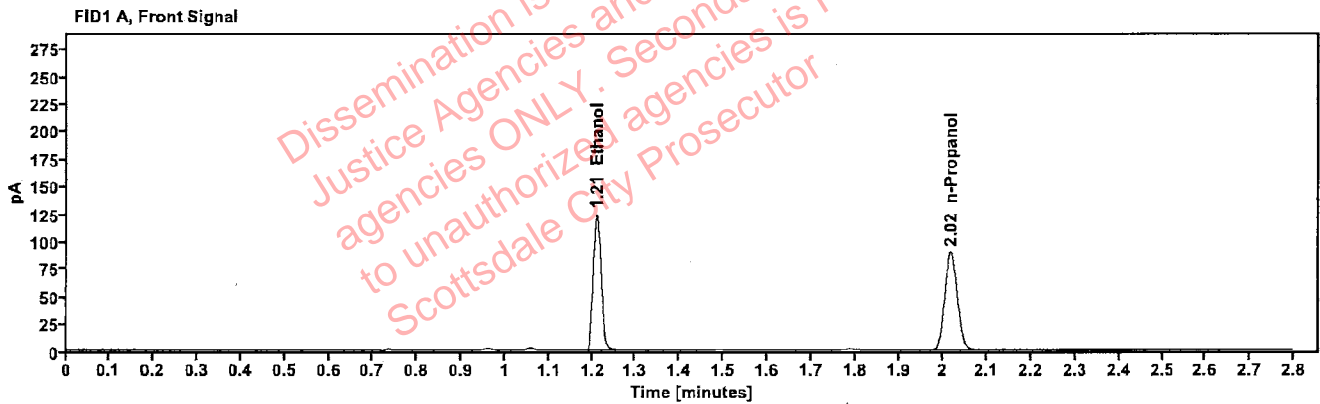


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2381	1.211	157.879
n-Propanol	-----	2.017	177.898

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

Compound	Time (min)	Peak Area
Ethanol	1.359	172.890
n-Propanol	2.437	192.374

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301829-2	Vial:	30
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:10:00 PM
Data file:	C:\Chem32\1\Data\07Feb23\30.D	Analyst:	Brooke

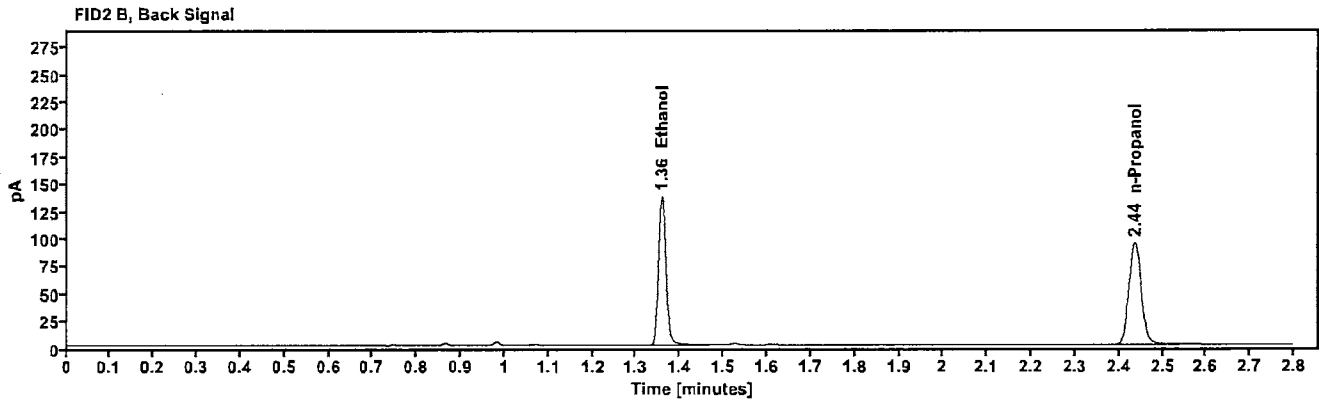
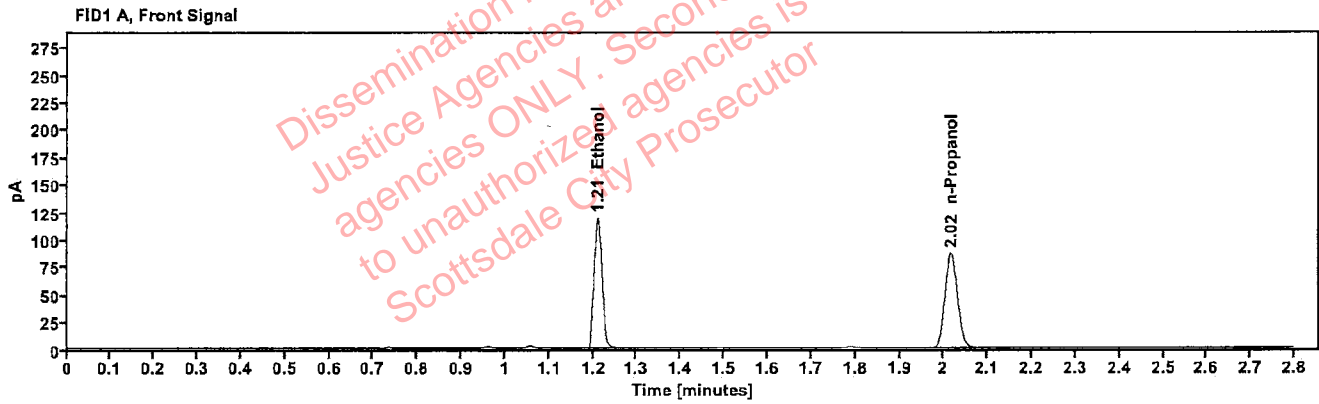


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2361	1.210	151.256
n-Propanol	-----	2.016	171.865

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

Compound	Time (min)	Peak Area
Ethanol	1.358	165.712
n-Propanol	2.436	185.721

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301832-3	Vial:	32
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:18:15 PM
Data file:	C:\Chem32\1\Data\07Feb23\32.D	Analyst:	Brooke

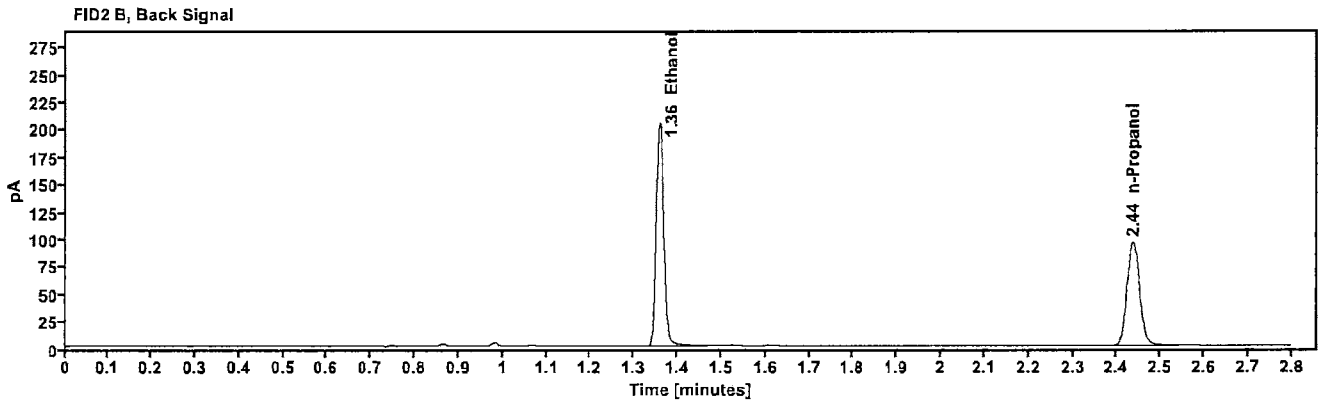
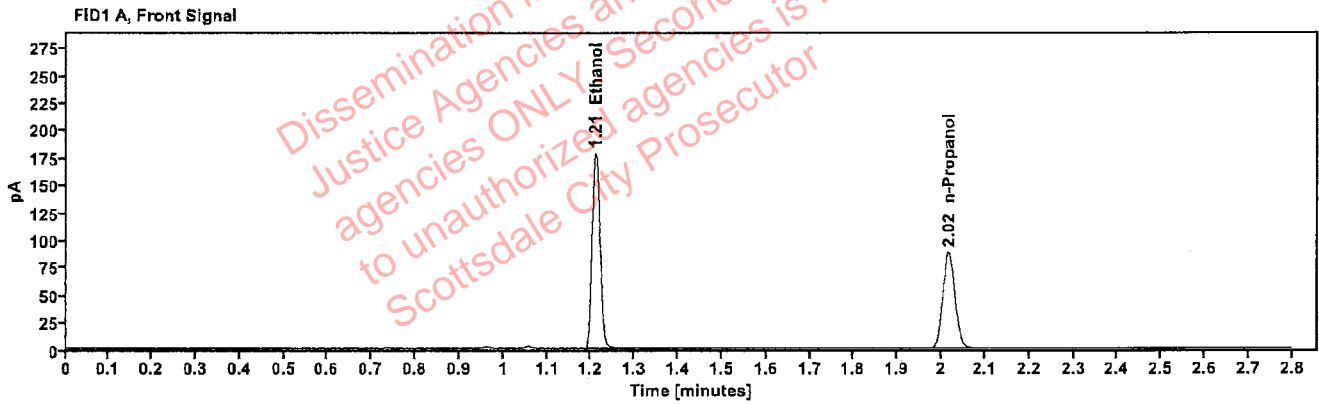


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3473	1.210	226.085
n-Propanol	-----	2.016	174.370

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

Compound	Time (min)	Peak Area
Ethanol	1.359	247.737
n-Propanol	2.437	188.599

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301832-3	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:22:15 PM
Data file:	C:\Chem32\1\Data\07Feb23\33.D	Analyst:	Brooke

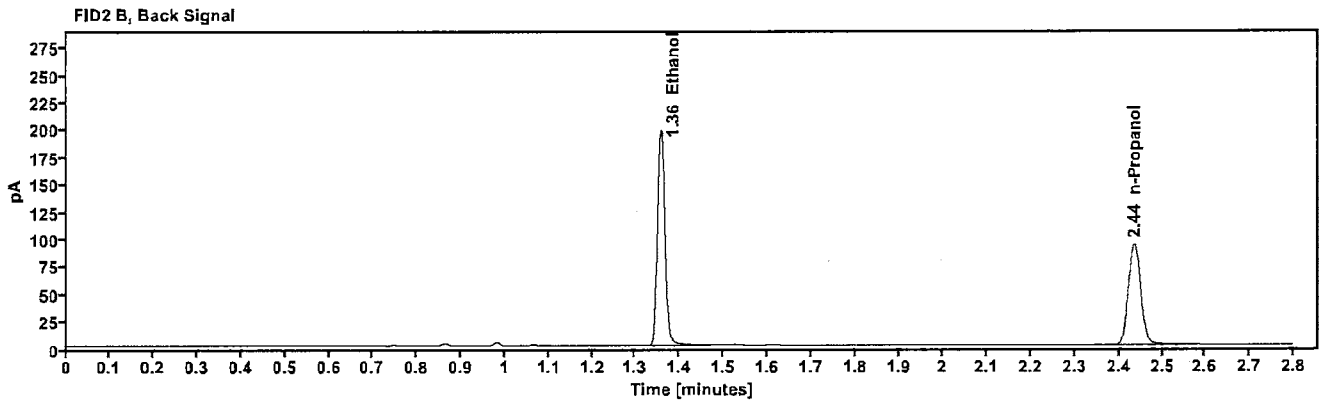
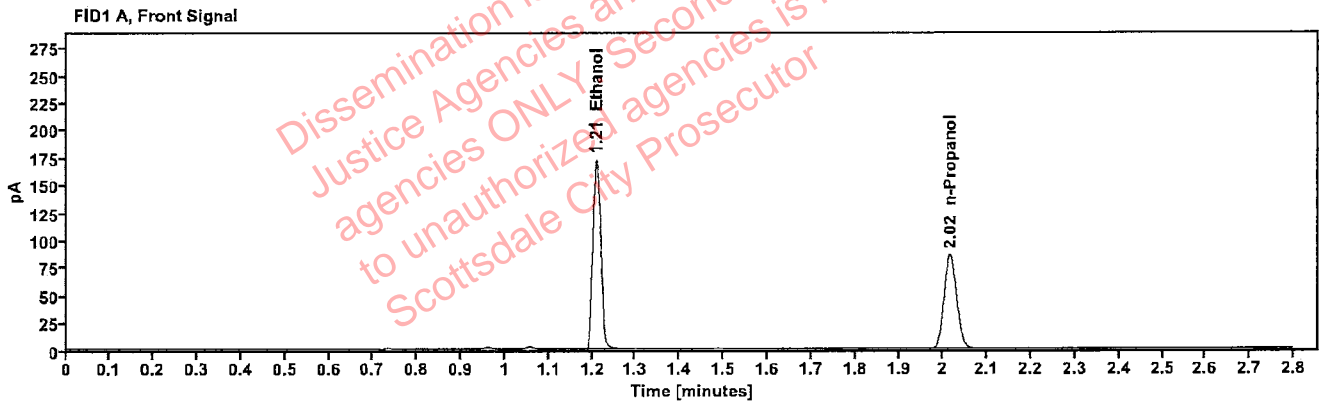


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3439	1.210	218.530
n-Propanol	---	2.016	170.227

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

Compound	Time (min)	Peak Area
Ethanol	1.357	239.655
n-Propanol	2.435	184.183

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301848-2	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:26:15 PM
Data file:	C:\Chem32\1\Data\07Feb23\34.D	Analyst:	Brooke

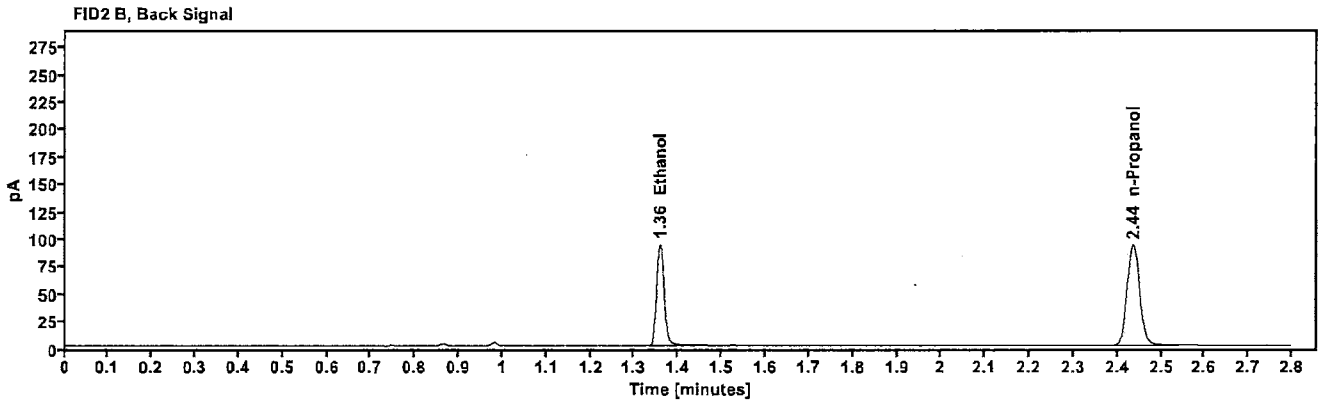
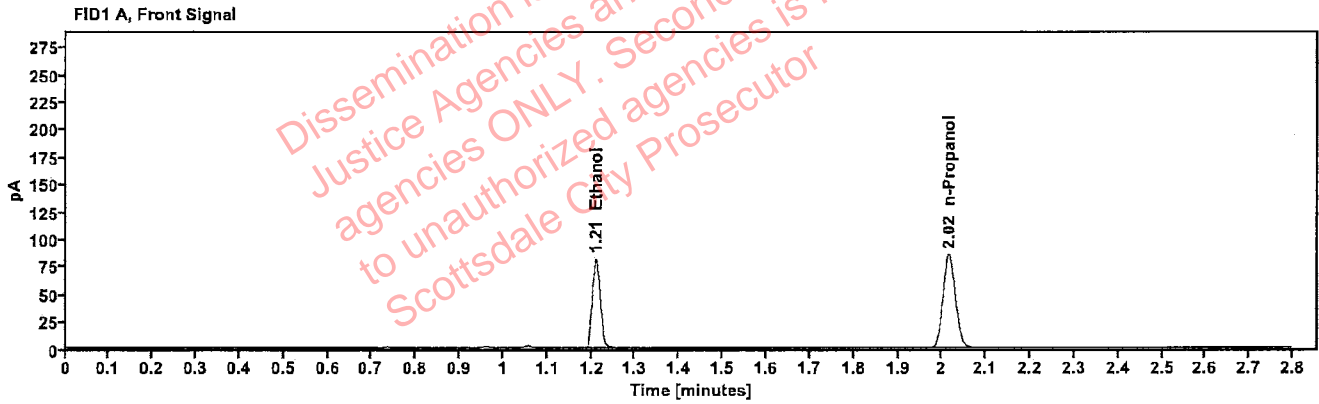


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1649	1.210	103.744
n-Propanol	-----	2.016	169.109

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

Compound	Time (min)	Peak Area
Ethanol	1.358	112.899
n-Propanol	2.436	183.031

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301848-2	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:30:15 PM
Data file:	C:\Chem32\1\Data\07Feb23\35.D	Analyst:	Brooke

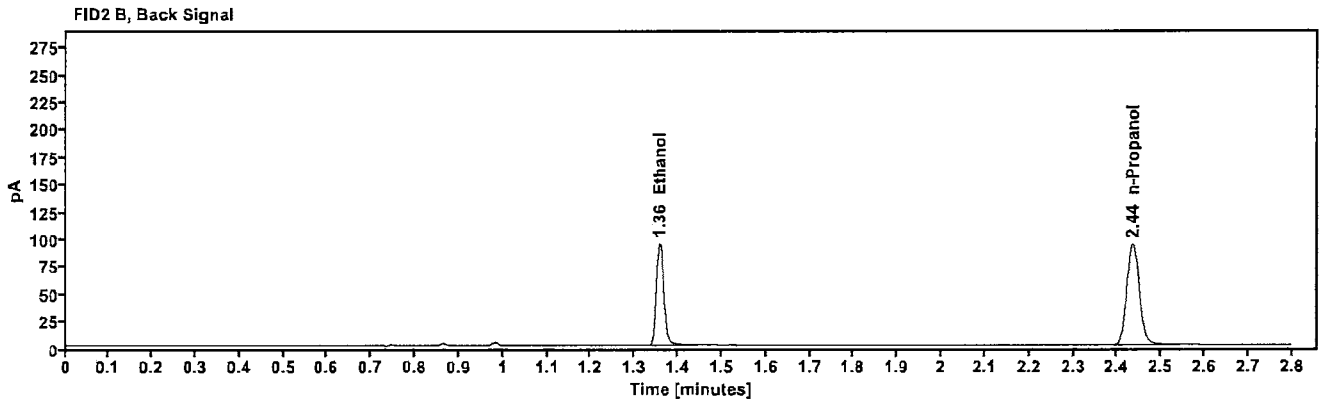
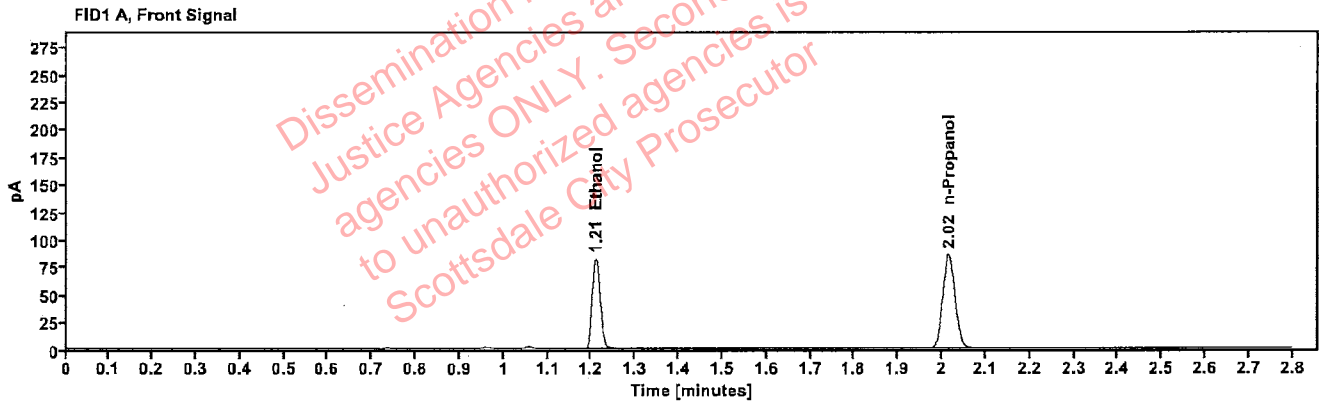


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1644	1.210	104.288
n-Propanol	---	2.015	170.498

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

Compound	Time (min)	Peak Area
Ethanol	1.357	113.686
n-Propanol	2.435	184.564

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301924-2	Vial:	36
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:34:15 PM
Data file:	C:\Chem32\1\Data\07Feb23\36.D	Analyst:	Brooke

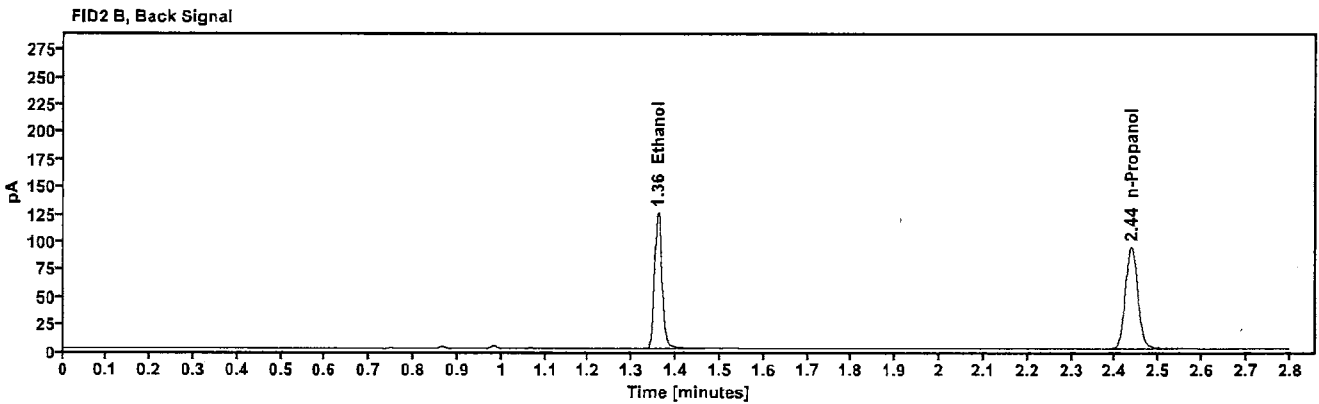
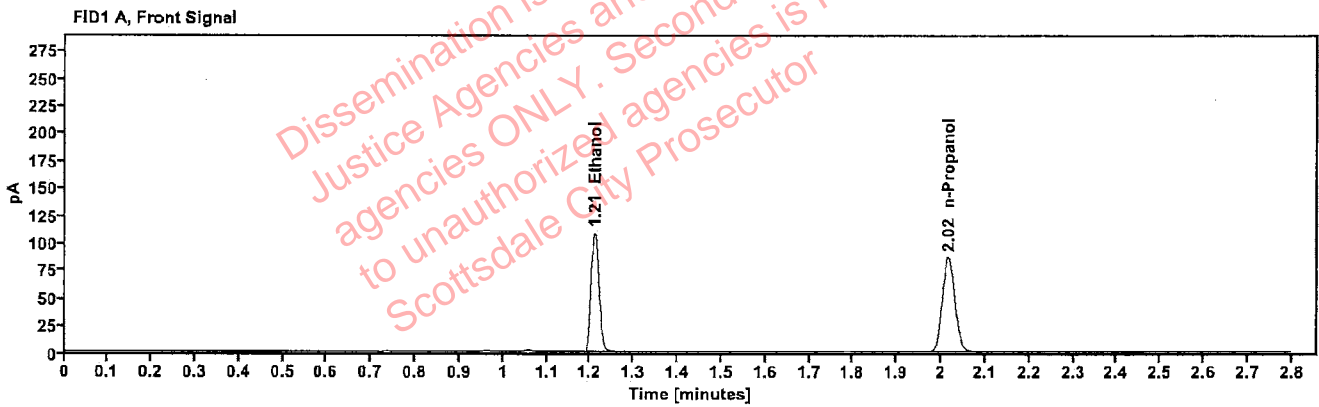


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2156	1.210	137.976
n-Propanol	---	2.016	171.753

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

Compound	Time (min)	Peak Area
Ethanol	1.358	150.928
n-Propanol	2.436	185.816

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301924-2	Vial:	37
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:38:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\37.D	Analyst:	Brooke

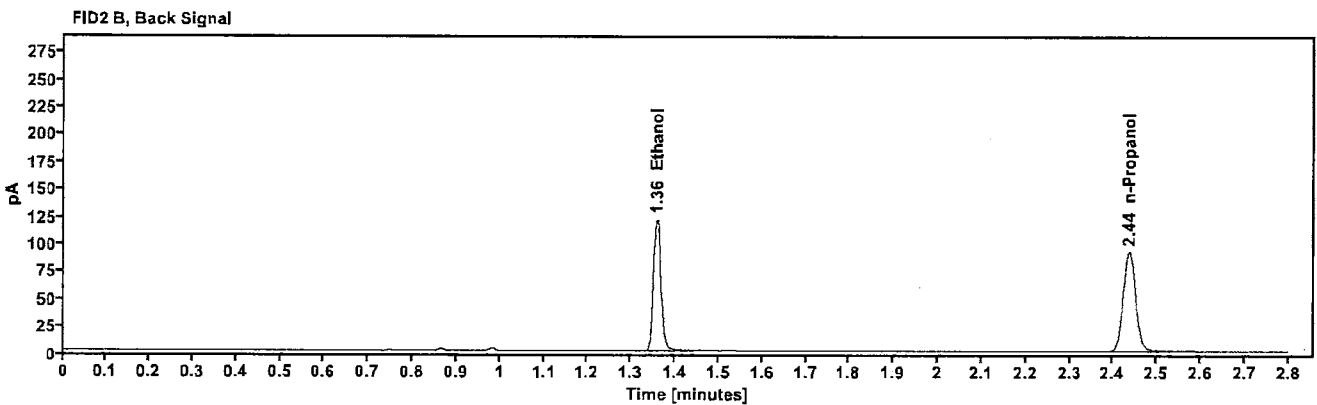
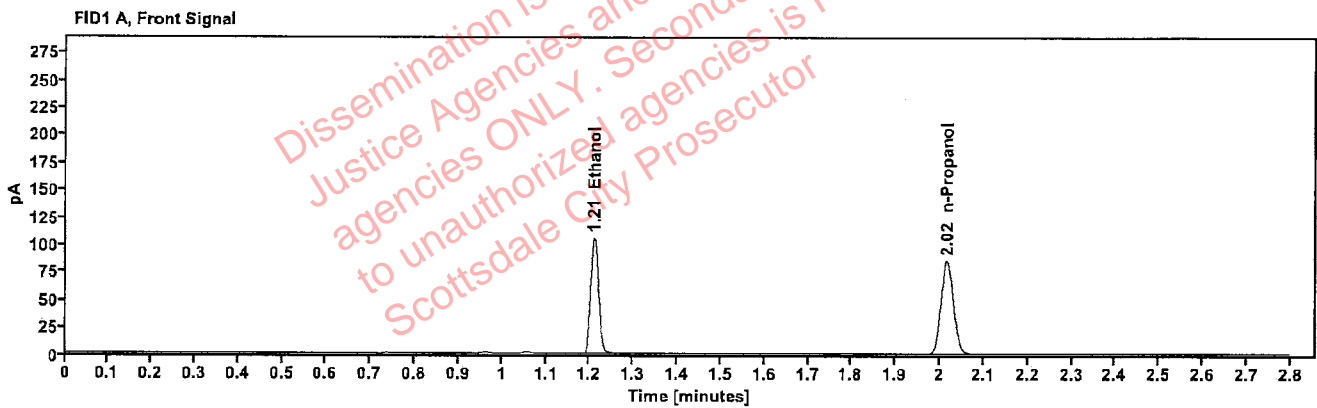


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2136	1.210	134.141
n-Propanol	-----	2.016	168.523

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

Compound	Time (min)	Peak Area
Ethanol	1.358	146.195
n-Propanol	2.436	182.434

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300156-2	Vial:	38
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:42:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\38.D	Analyst:	Brooke

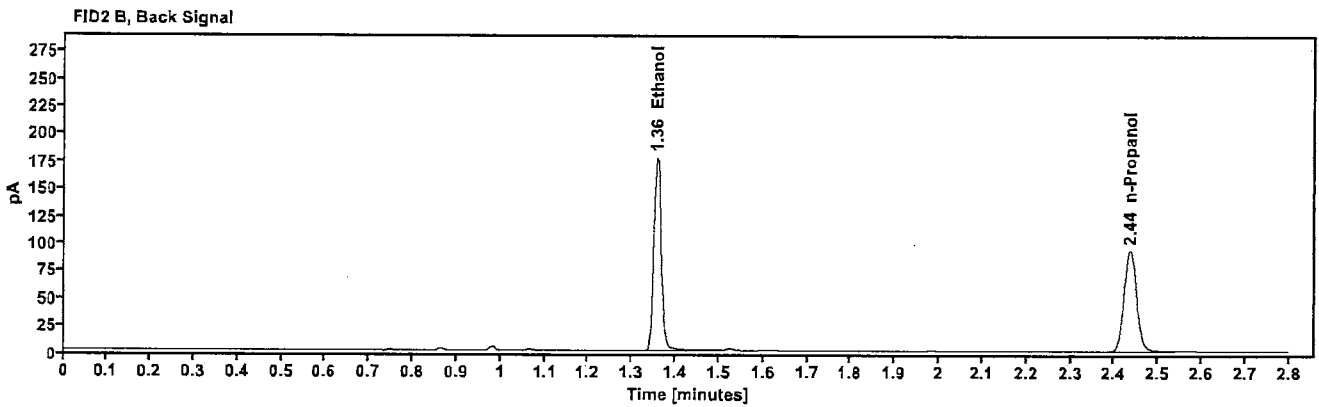
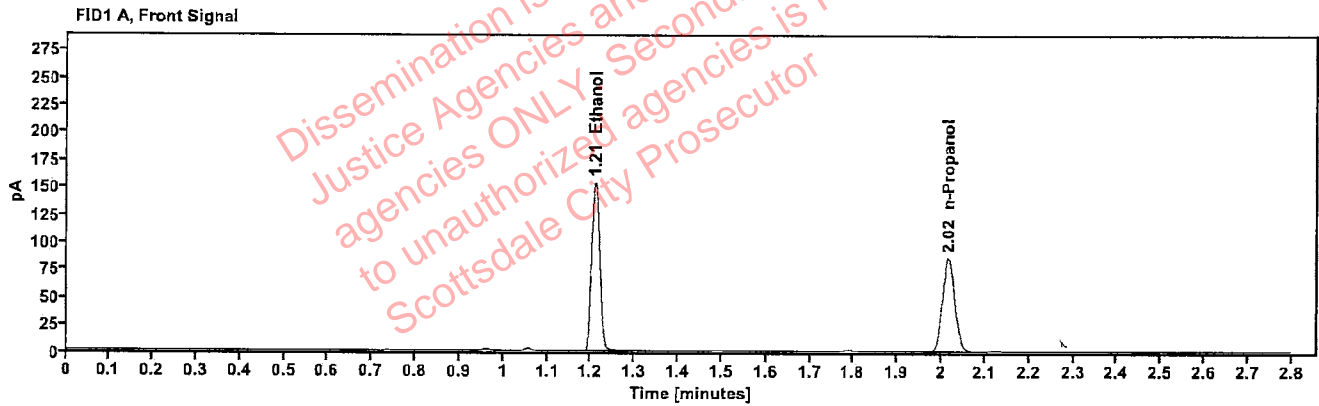


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3083	1.209	195.470
n-Propanol	—	2.016	169.887

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

Compound	Time (min)	Peak Area
Ethanol	1.357	214.226
n-Propanol	2.435	183.655

[REDACTED]: Brooke, Phillip - (08-Feb-2023)

Case: [REDACTED] User: pbrooke 2/8/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2300156-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:46:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\39.D	Analyst:	Brooke

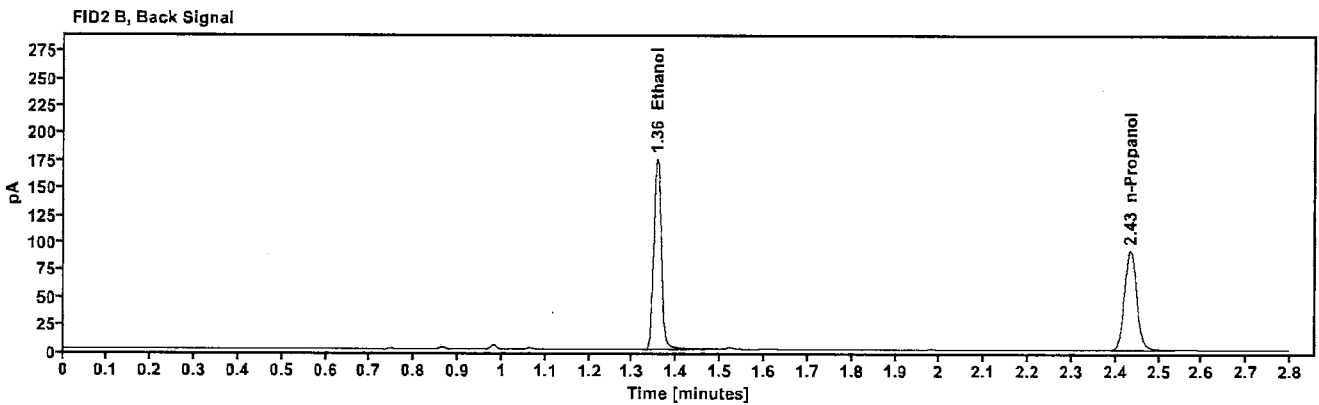
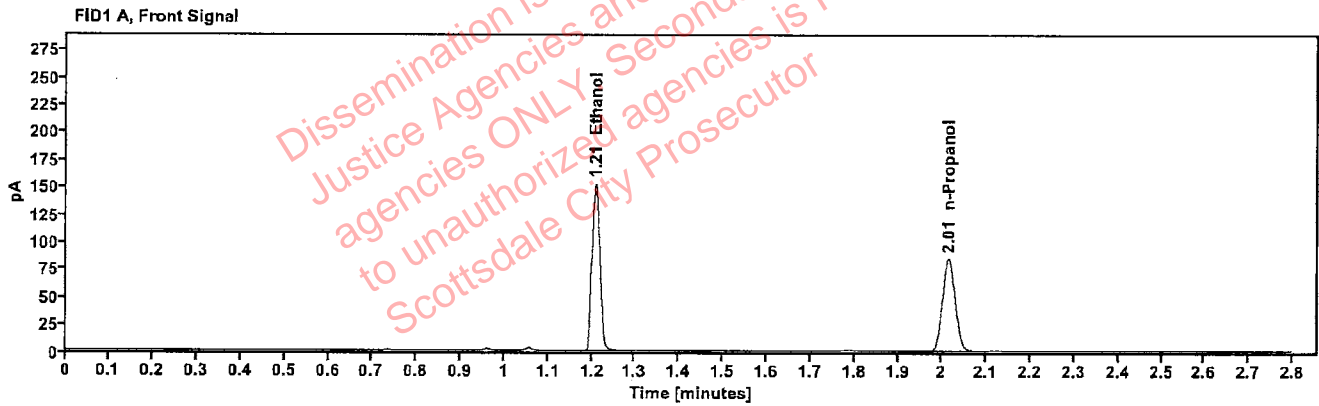


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3069	1.208	191.874
n-Propanol	-----	2.014	167.554

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

Compound	Time (min)	Peak Area
Ethanol	1.355	210.102
n-Propanol	2.434	181.208

Case: [REDACTED]: Brooke, Phillip - (08-Feb-2023)

User: pbrooke 2/8/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301433-2	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:50:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\40.D	Analyst:	Brooke

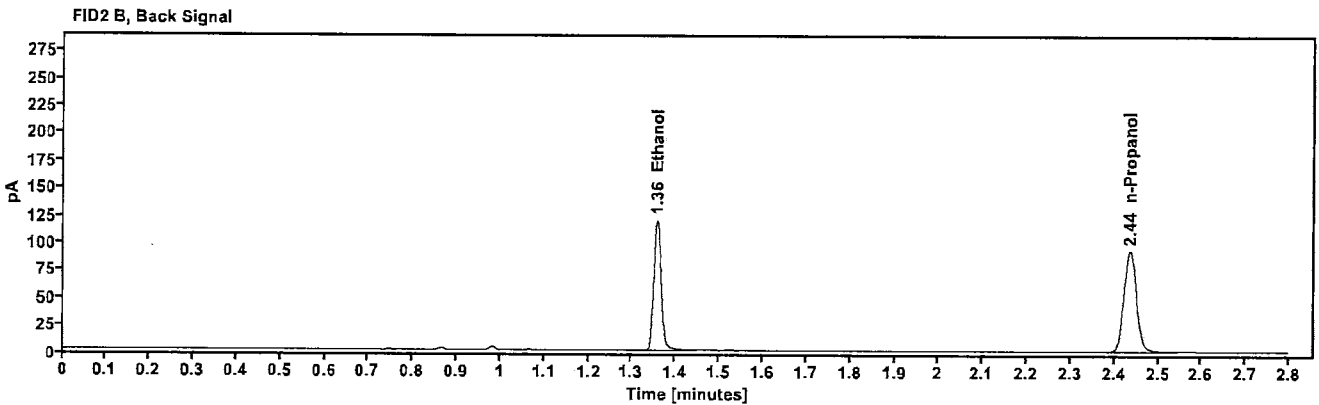
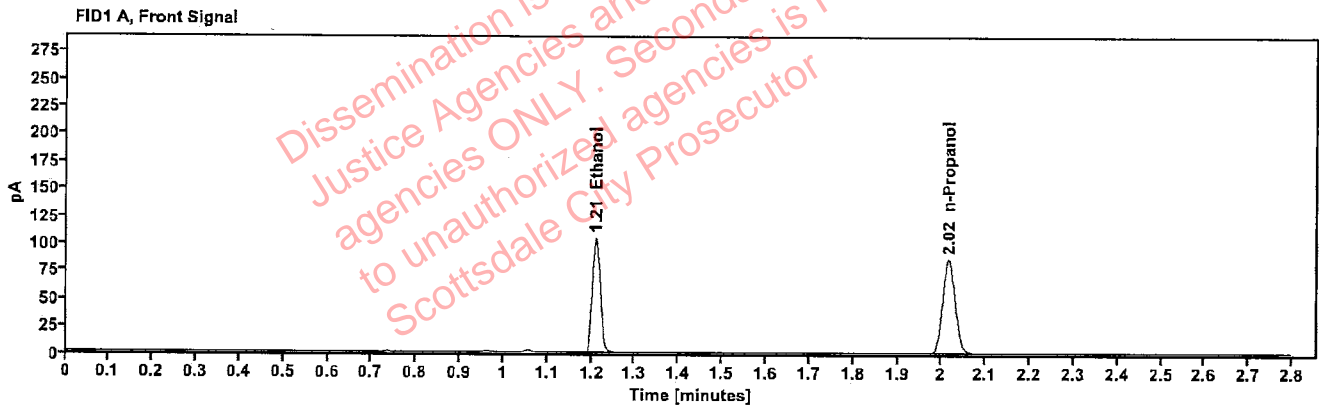


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2093	1.210	132.402
n-Propanol	-----	2.016	169.787

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

Compound	Time (min)	Peak Area
Ethanol	1.357	144.631
n-Propanol	2.435	183.819

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301433-2	Vial:	41
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	07Feb23
Instrument:	US14173023 CN14160045	Injection date:	2/7/2023 1:54:31 PM
Data file:	C:\Chem32\1\Data\07Feb23\41.D	Analyst:	Brooke

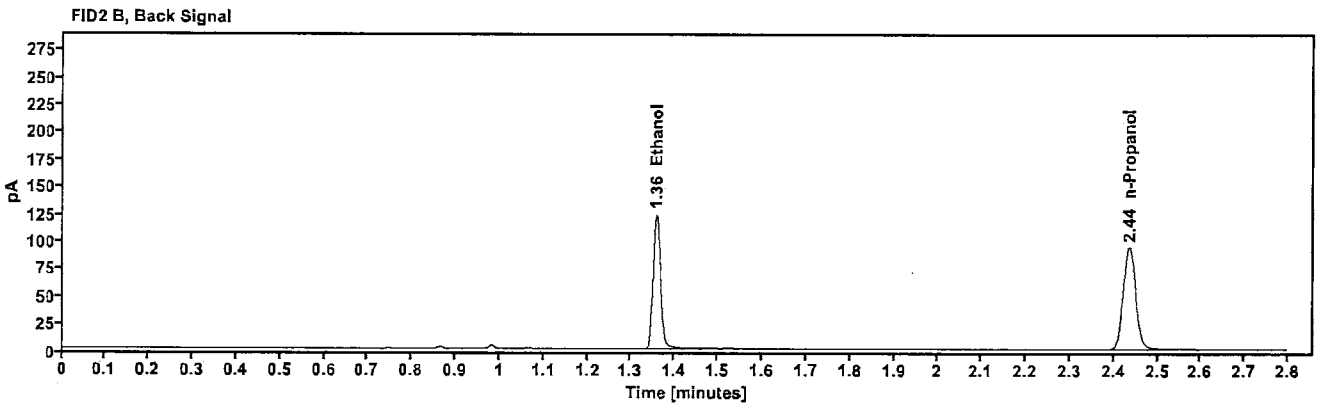
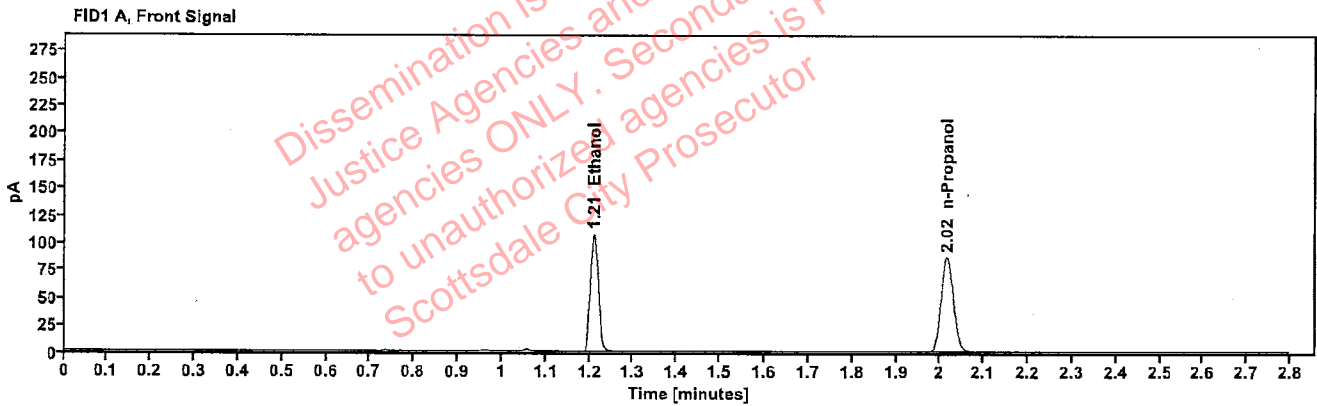


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2124	1.210	136.039
n-Propanol	---	2.016	171.932

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

Compound	Time (min)	Peak Area
Ethanol	1.357	148.995
n-Propanol	2.435	186.214