

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 3/29/23 SEQUENCE NAME 28Mar23

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 0.99998
 Vial 3 0.20 calibrator Lot FN02052101
 Vial 4 0.40 calibrator Lot FN03052102

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 011823WB
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.205 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
36	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 30012020-A
37	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
38	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/8
39	Blank	Not detected	Not detected	SPD Lab 122022AQ

SUBJECT SAMPLES

Subjects in the sequence 12 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Philip B. [Signature] Analyst
 Run valid Run invalid Erika Canonico Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

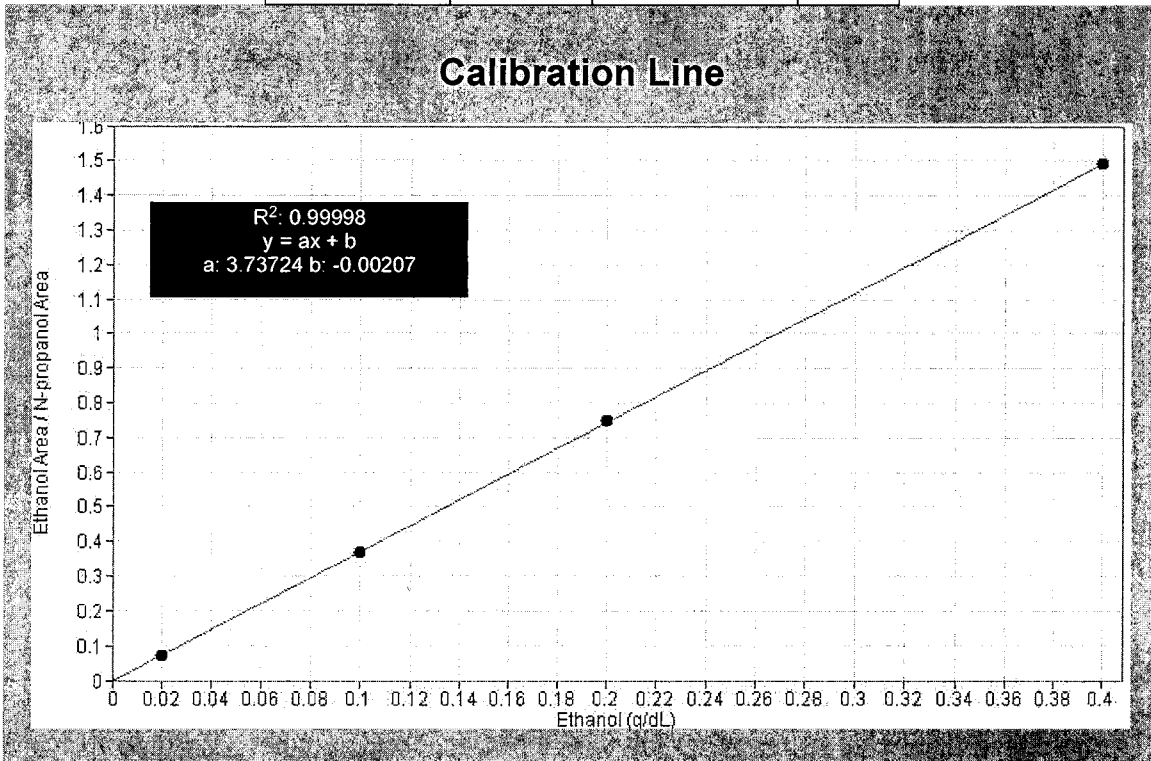
SEQUENCE NAME: 28Mar23

ANALYST: Brooke PB

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/10	9	0.205	0.199	3.02	0.006
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	36	0.402	0.400	0.50	0.002
0.040 14082019-B	37	0.040	0.040	0.00	0.000
0.199 4110320133/10	38	0.203	0.199	2.01	0.004
blank 122022AQ	39	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.087	165.638	0.073
0.100	59.389	160.955	0.369
0.200	122.315	163.338	0.749
0.400	238.968	160.193	1.492

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1
Description: 0.020 calibrator	Sequence: 28Mar23
Method: ethanol quant.M	Injection date: 3/28/2023 10:55:11 AM
Instrument: US14173023 CN14160045	Analyst: Brooke TB
Data file: C:\Chem32\1\Data\28Mar23\1.D	

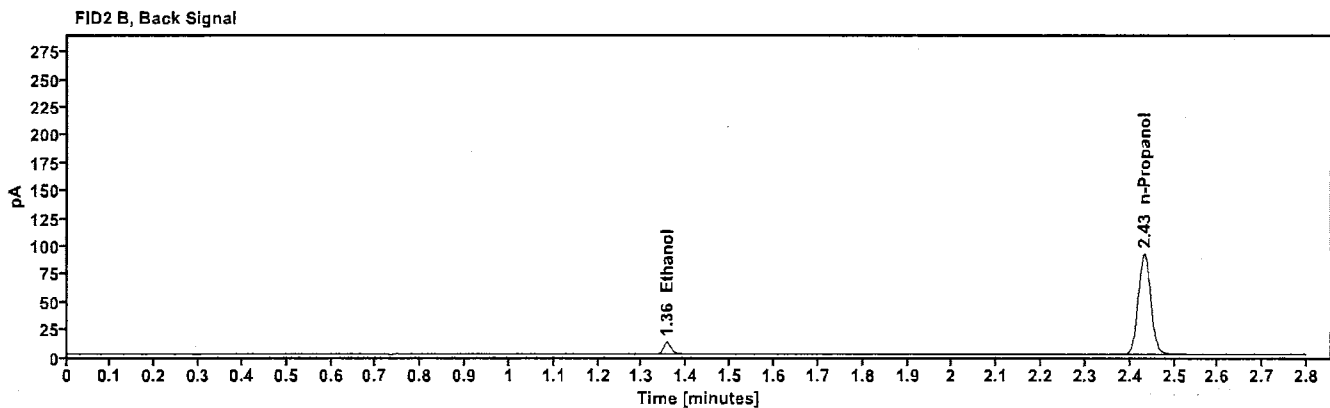
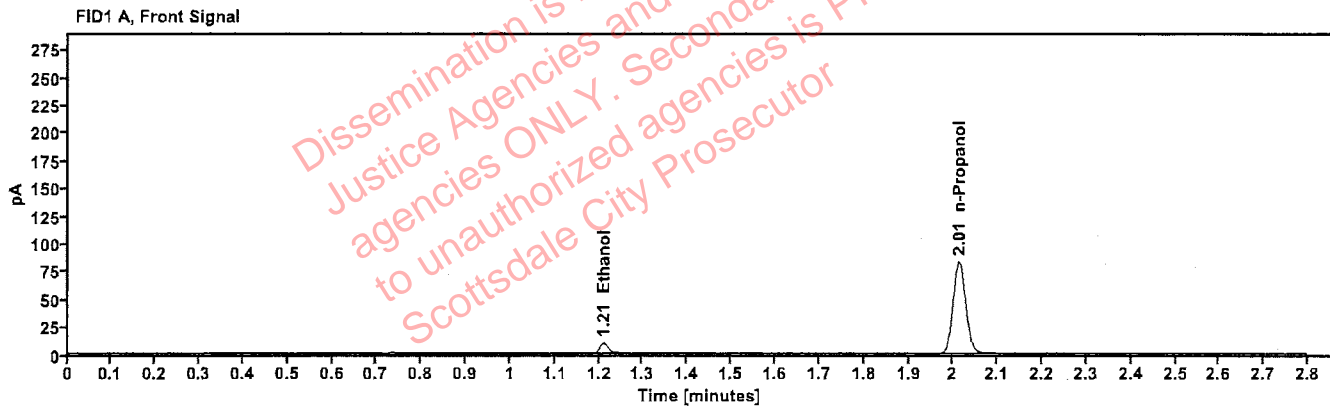


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	12.087
n-Propanol	2.013	165.638

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

Compound	Time (min)	Peak Area
Ethanol	1.356	12.970
n-Propanol	2.432	179.269

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05311902	Vial: 2
Description: 0.100 calibrator	Sequence: 28Mar23
Method: ethanol quant.M	Injection date: 3/28/2023 10:59:10 AM
Instrument: US14173023 CN14160045	Analyst: Brooke PB
Data file: C:\Chem32\1\Data\28Mar23\2.D	

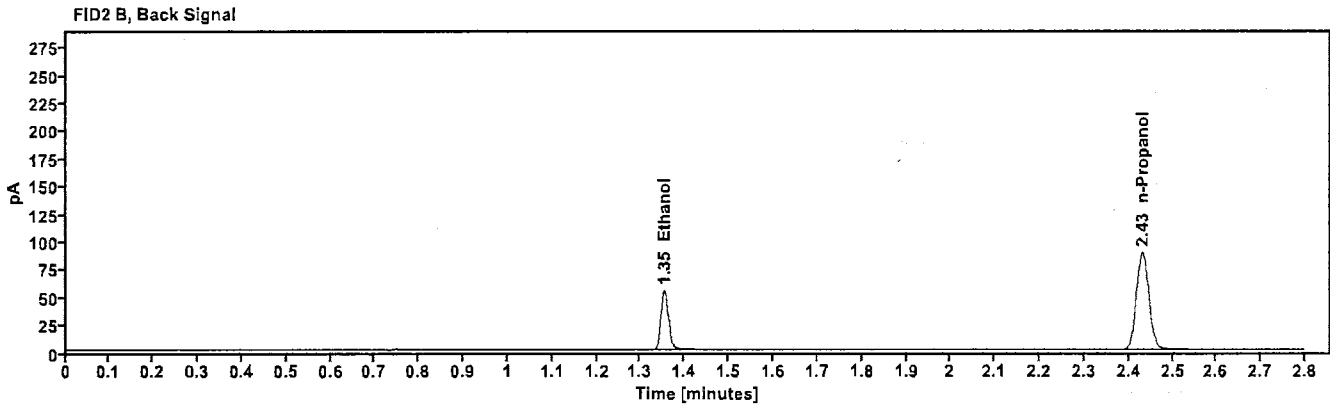
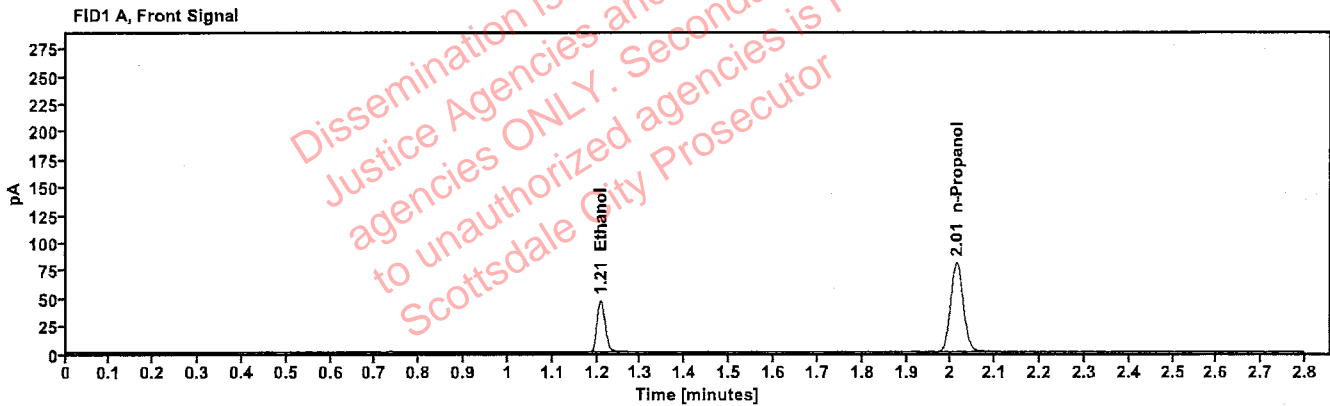


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	59.389
n-Propanol	2.013	160.955

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

Compound	Time (min)	Peak Area
Ethanol	1.354	64.330
n-Propanol	2.432	174.197

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02052101	Vial: 3
Description: 0.200 calibrator	Sequence: 28Mar23
Method: ethanol quant.M	Injection date: 3/28/2023 11:03:10 AM
Instrument: US14173023 CN14160045	Analyst: Brooke PB
Data file: C:\Chem32\1\Data\28Mar23\3.D	

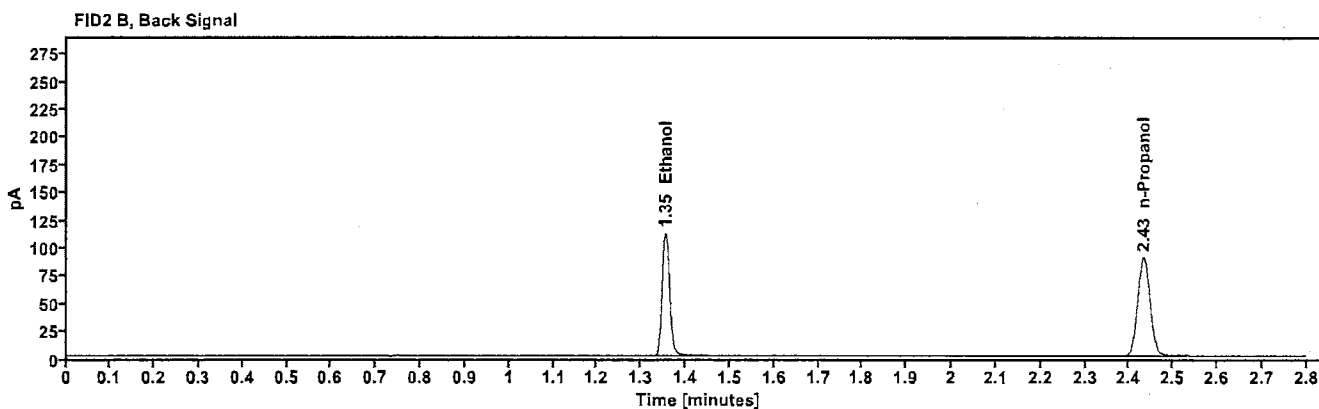
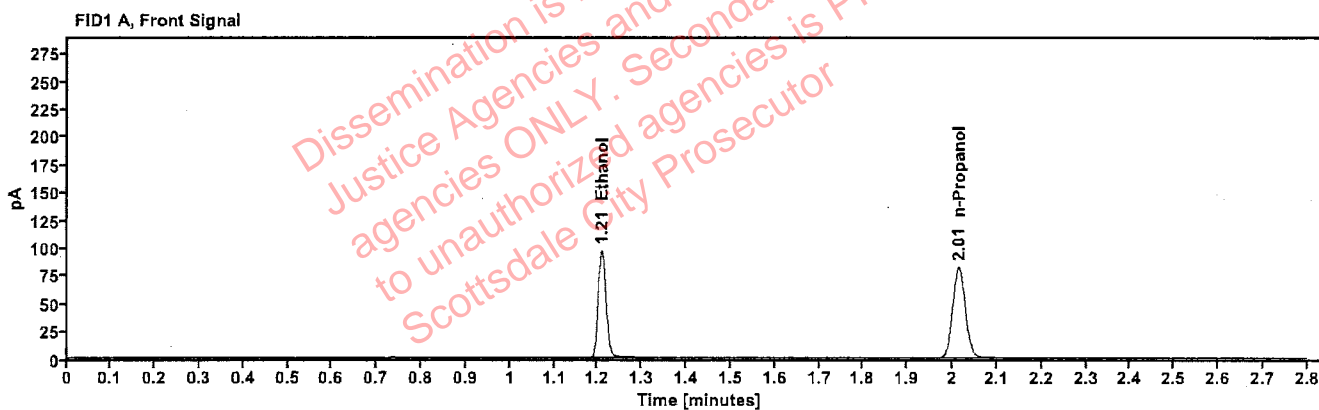


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	122.315
n-Propanol	2.014	163.338

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

Compound	Time (min)	Peak Area
Ethanol	1.354	133.128
n-Propanol	2.432	176.570

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 28Mar23
Method: ethanol quant.M	Injection date: 3/28/2023 11:07:11 AM
Instrument: US14173023 CN14160045	Analyst: Brooke 198
Data file: C:\Chem32\1\Data\28Mar23\4.D	

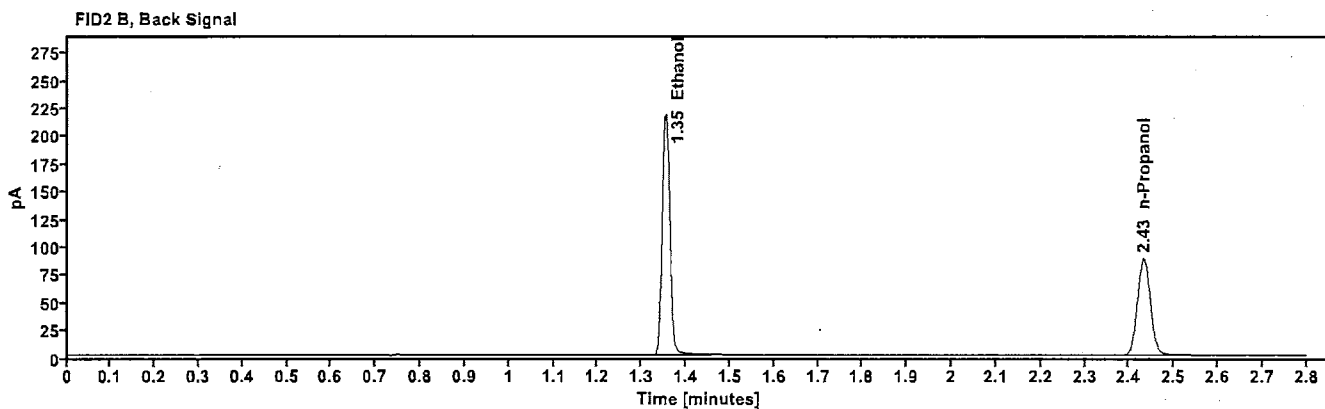
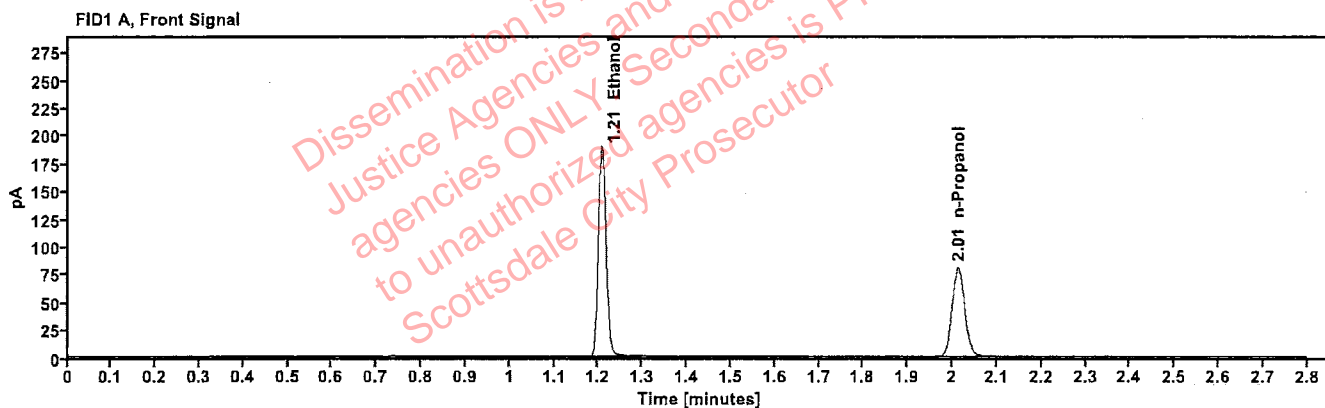


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	238.968
n-Propanol	2.013	160.193

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

Compound	Time (min)	Peak Area
Ethanol	1.353	260.804
n-Propanol	2.431	173.416

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 11:11:10 AM
Data file: C:\Chem32\1\Data\28Mar23\5.D	Analyst: Brooke

RB

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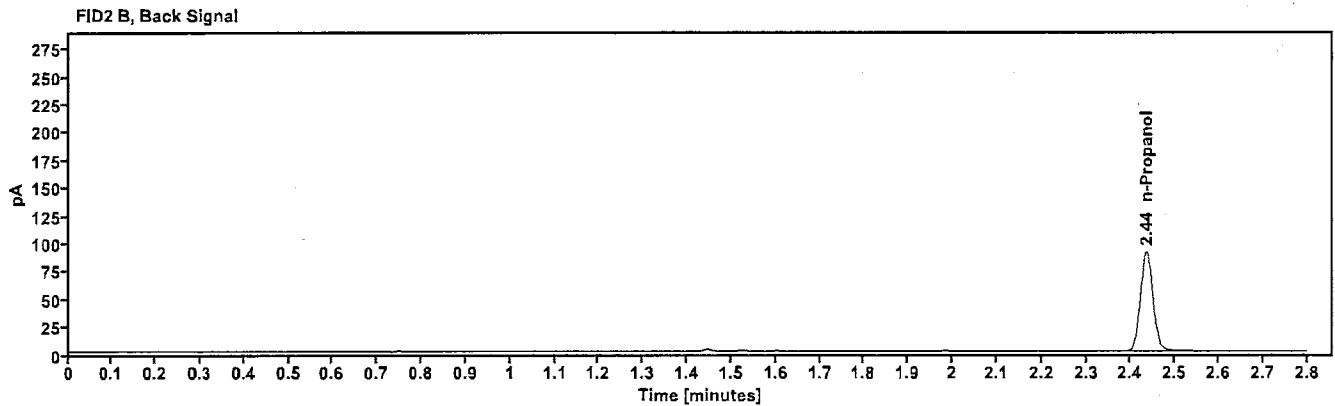
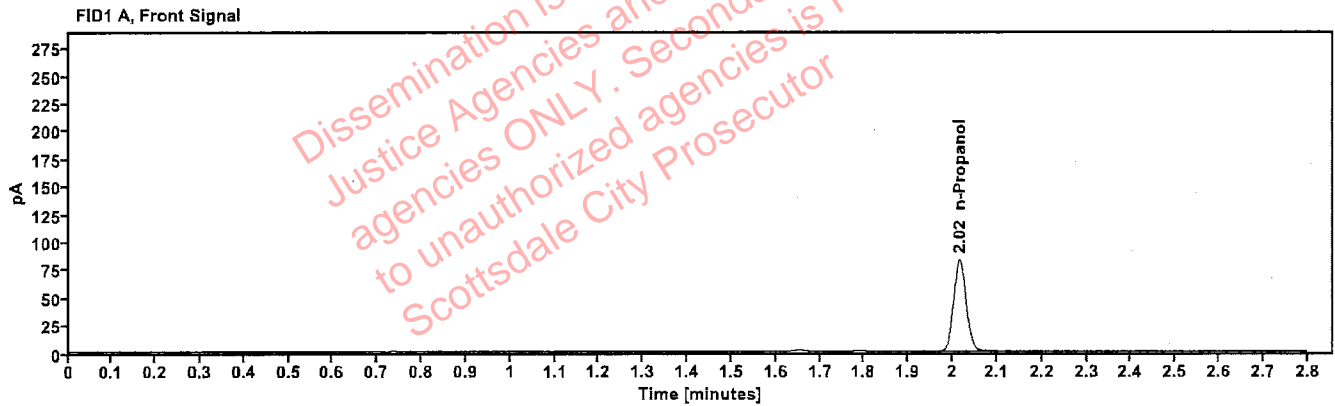


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	164.846

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	178.796

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 11:15:11 AM
Data file: C:\Chem32\11\Data\28Mar23\6.D	Analyst: Brooke

19B

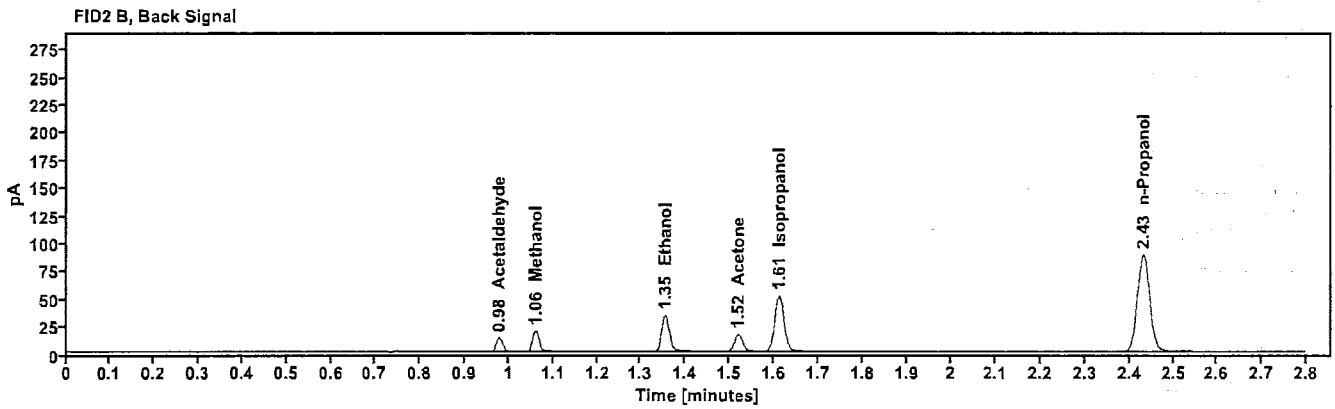
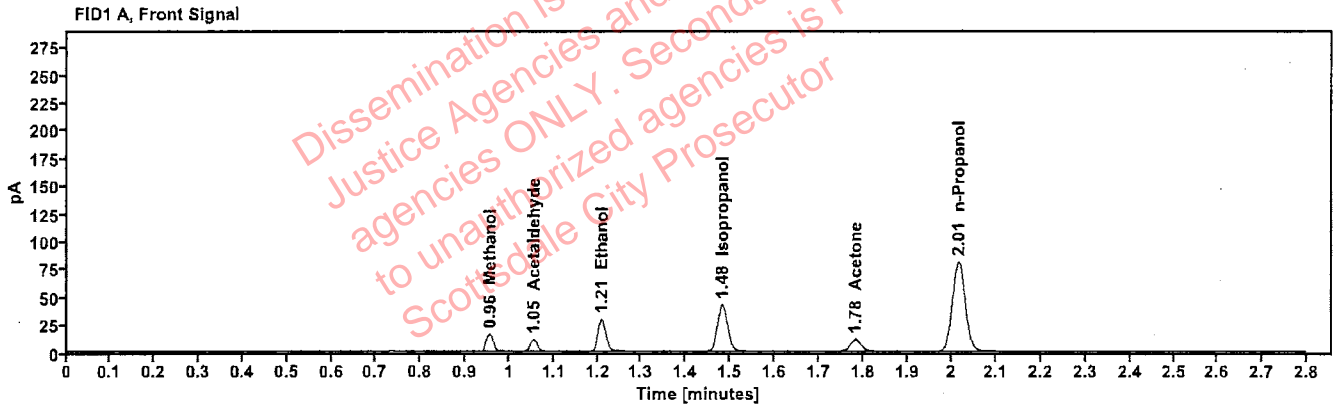


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	17.596
Acetaldehyde	-----	1.054	11.275
>Ethanol	0.0618	1.209	36.853
Isopropanol	-----	1.482	67.348
Acetone	-----	1.783	18.374
n-Propanol	-----	2.013	161.015

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	12.618
Methanol	1.060	19.306
Ethanol	1.354	39.891
Acetone	1.519	20.123
Isopropanol	1.612	74.264
n-Propanol	2.432	174.332

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 11:19:26 AM
Data file: C:\Chem32\1\Data\28Mar23\7.D	Analyst: Brooke

78

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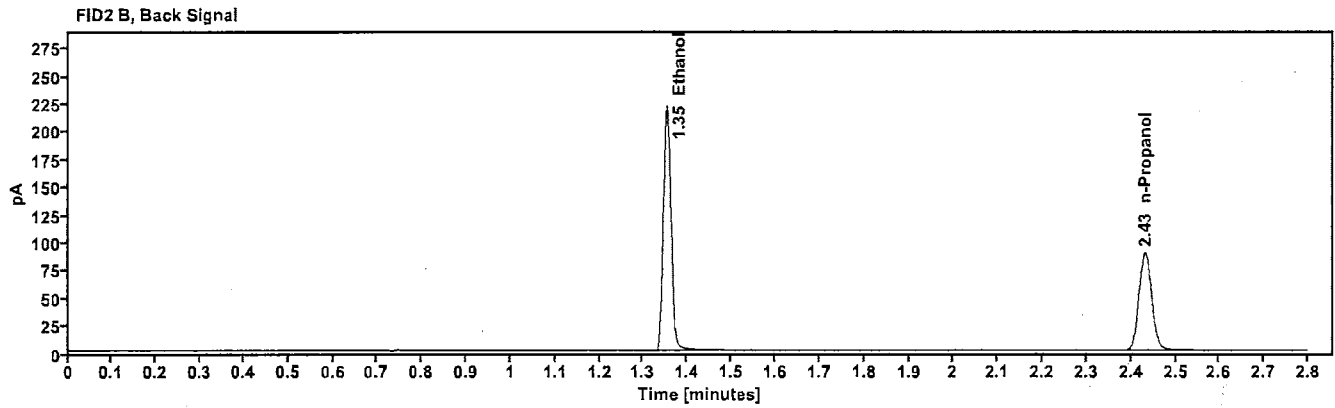
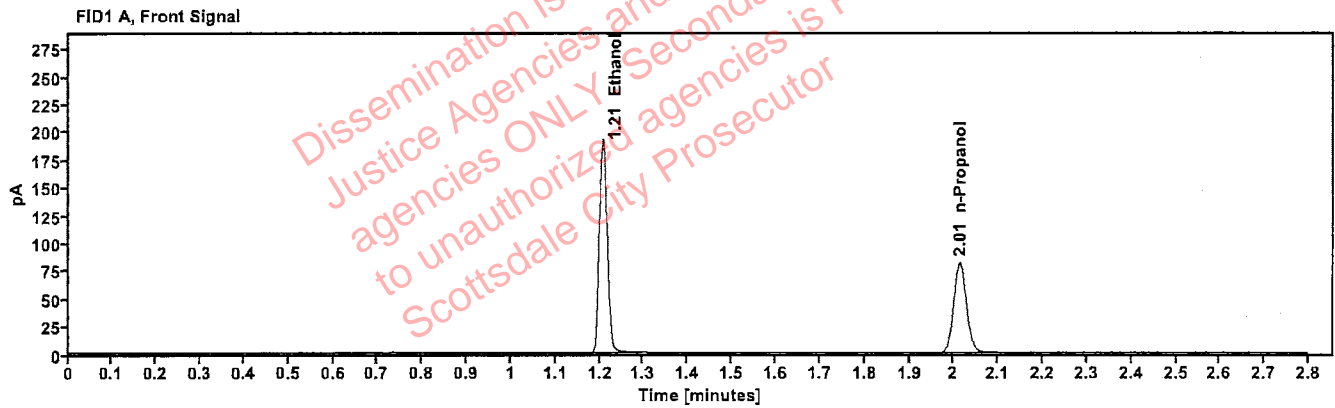


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4003	1.207	242.650
n-Propanol	-----	2.013	162.411

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

Compound	Time (min)	Peak Area
Ethanol	1.353	265.452
n-Propanol	2.432	175.902

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 11:23:25 AM
Data file: C:\Chem32\1\Data\28Mar23\8.D	Analyst: Brooke

YPS

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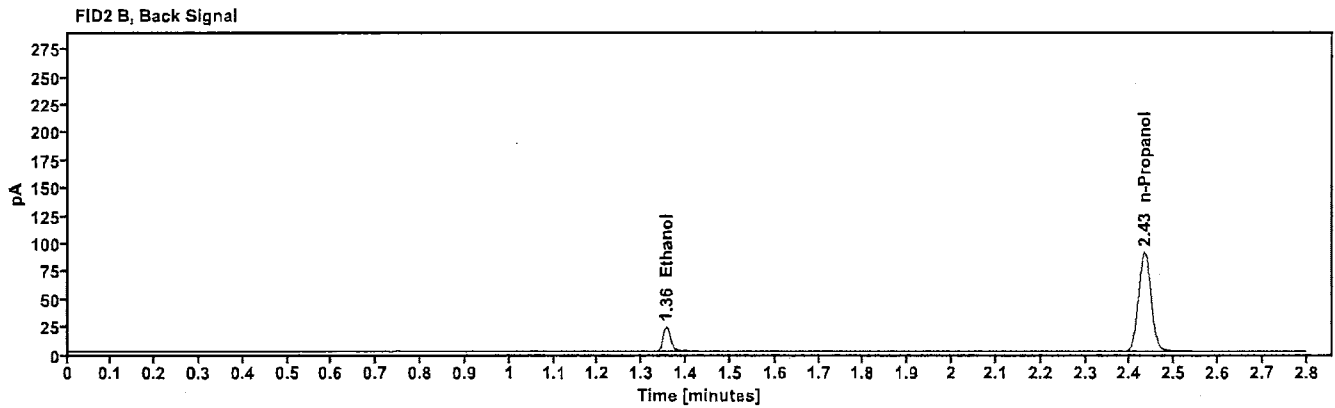
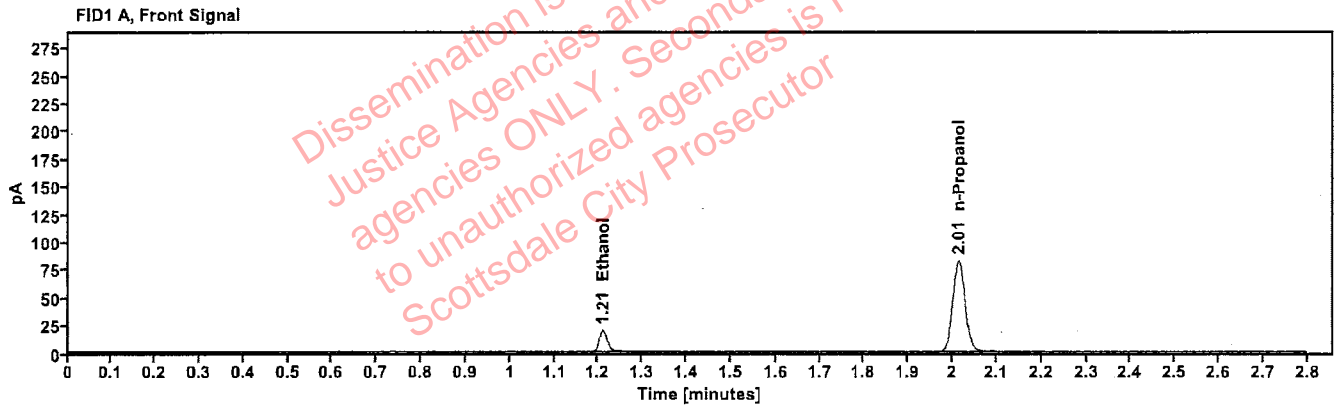


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.210	24.512
n-Propanol	-----	2.014	163.720

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.535
n-Propanol	2.433	177.386

Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample: 4110320133/10	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 11:27:26 AM
Data file: C:\Chem32\1\Data\28Mar23\9.D	Analyst: Brooke

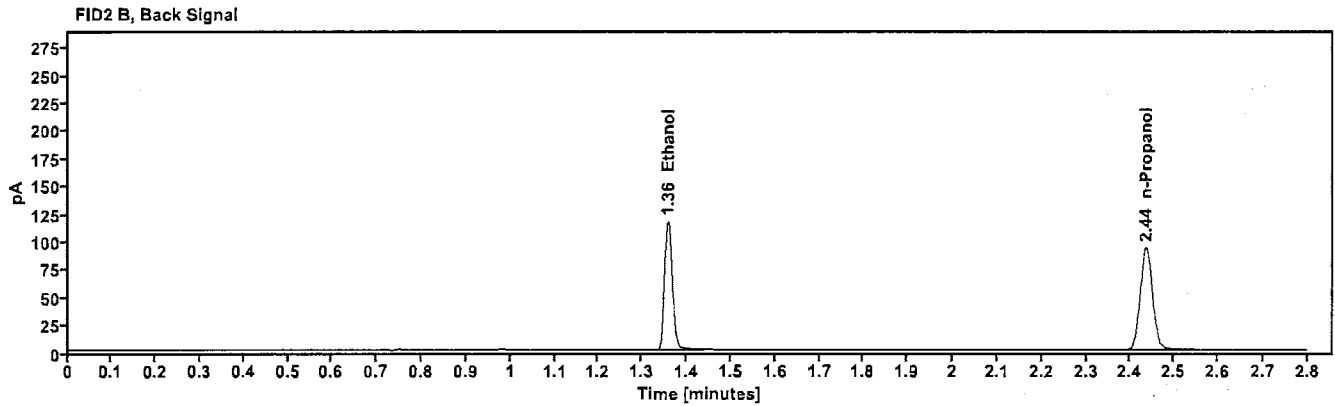
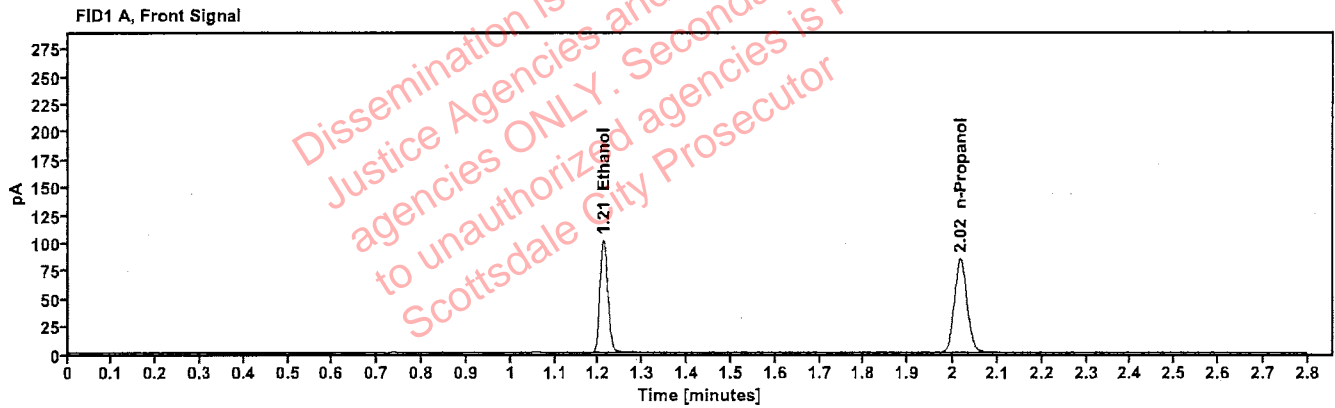


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2052	1.210	128.903
n-Propanol	-----	2.016	168.558

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

Compound	Time (min)	Peak Area
Ethanol	1.358	140.064
n-Propanol	2.436	182.629

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:11:55 PM
Data file:	C:\Chem32\1\Data\28Mar23\20.D	Analyst:	Brooke

YBS

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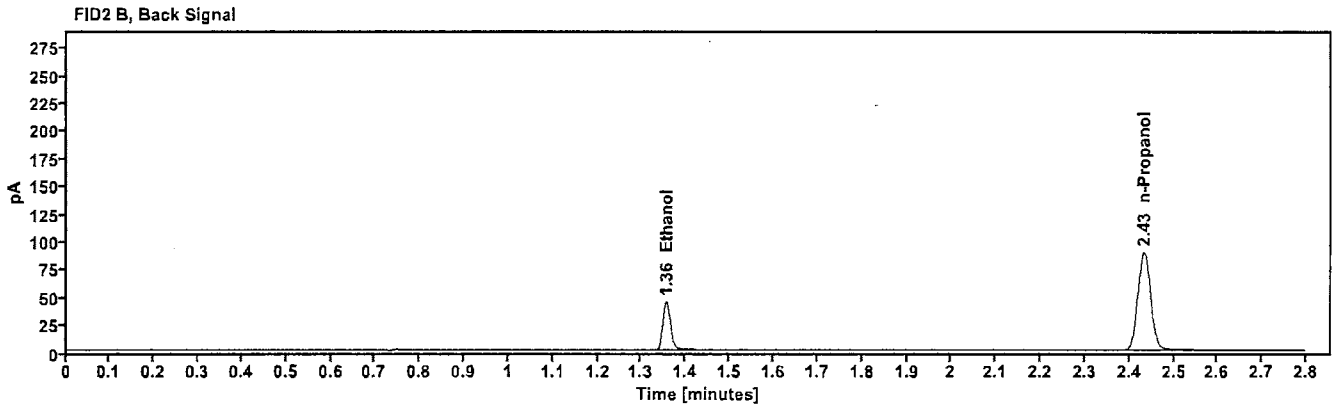
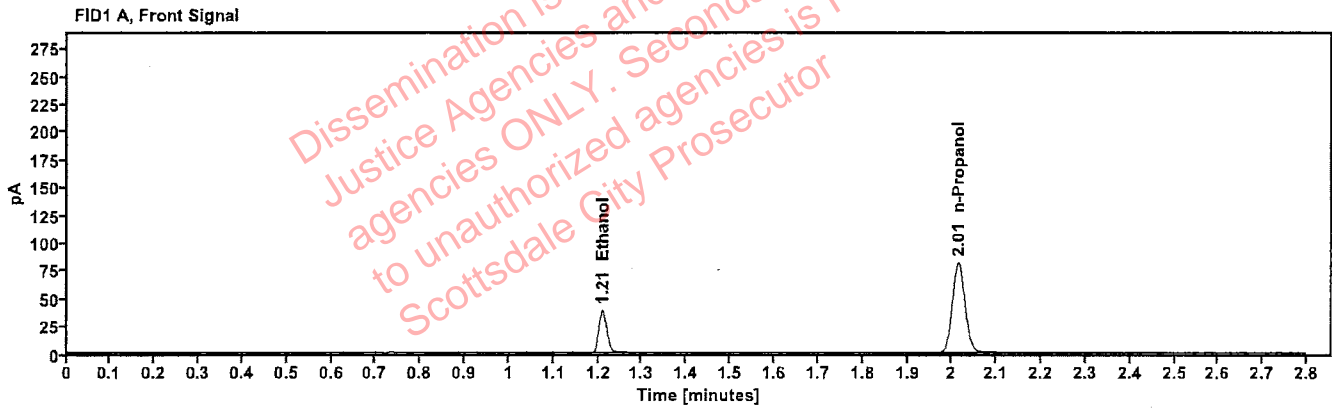


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.209	48.700
n-Propanol	-----	2.014	162.237

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

Compound	Time (min)	Peak Area
Ethanol	1.356	52.780
n-Propanol	2.433	175.789

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 12:56:26 PM
Data file: C:\Chem32\1\Data\28Mar23\31.D	Analyst: Brooke

y23

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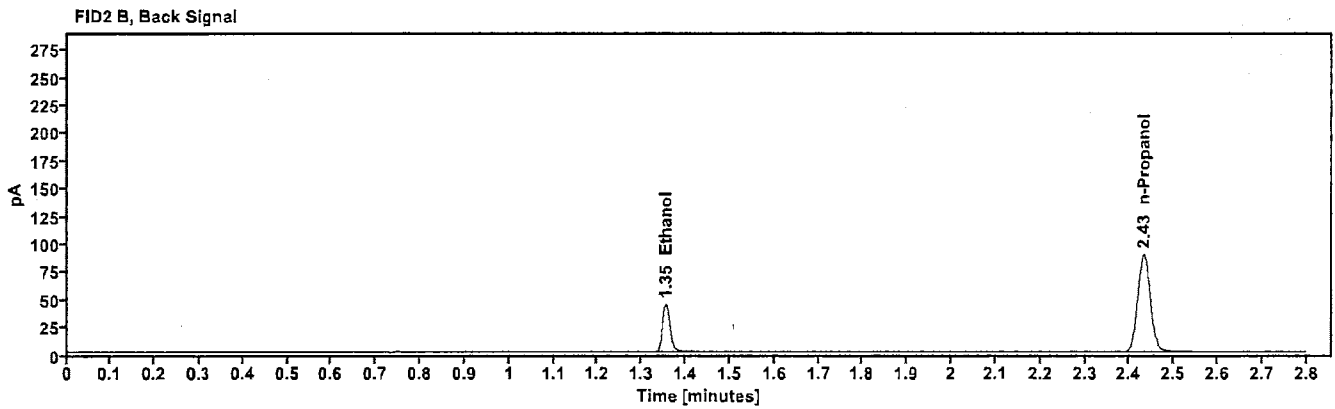
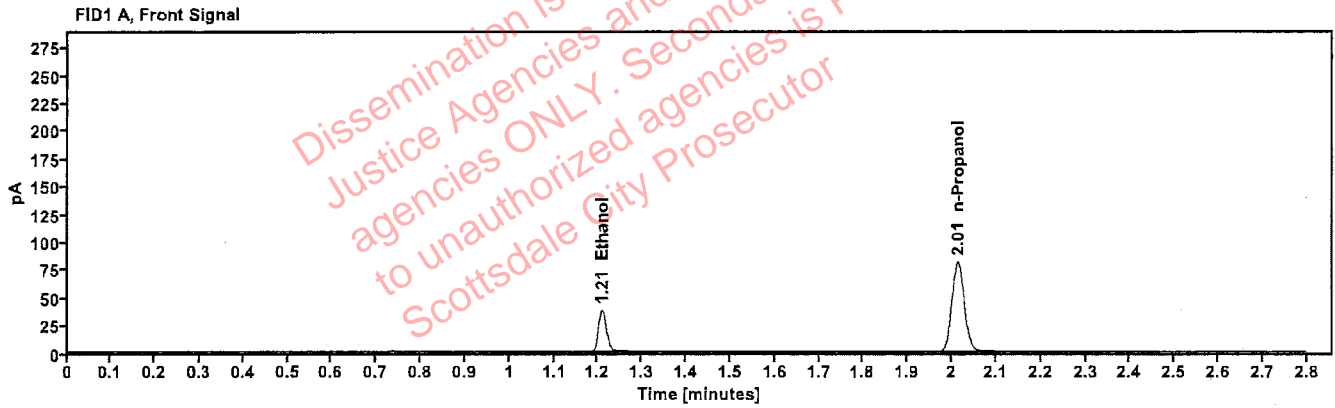


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0801	1.209	48.222
n-Propanol	-----	2.013	162.136

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

Compound	Time (min)	Peak Area
Ethanol	1.354	52.302
n-Propanol	2.432	175.739

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 36
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 1:16:26 PM
Data file: C:\Chem32\1\Data\28Mar23\36.D	Analyst: Brooke

JB

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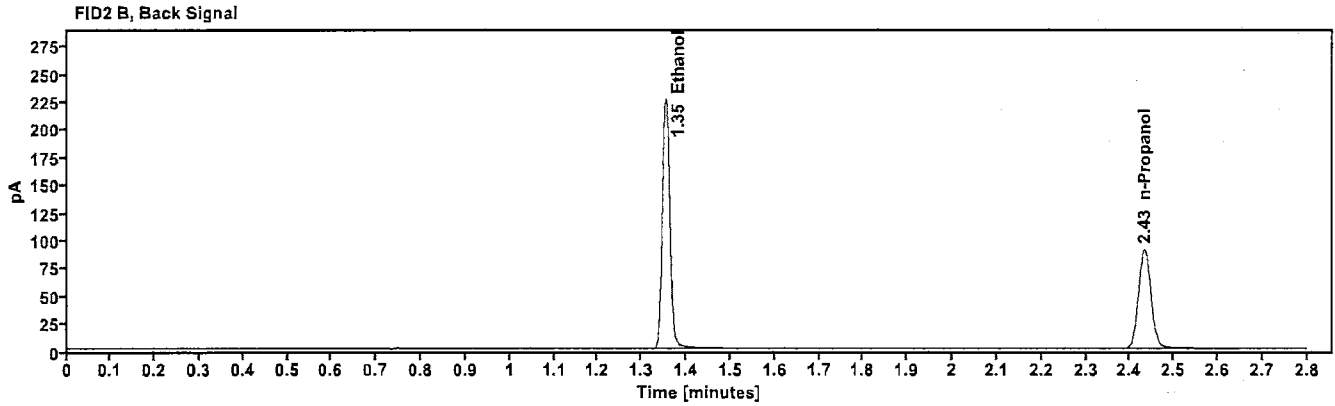
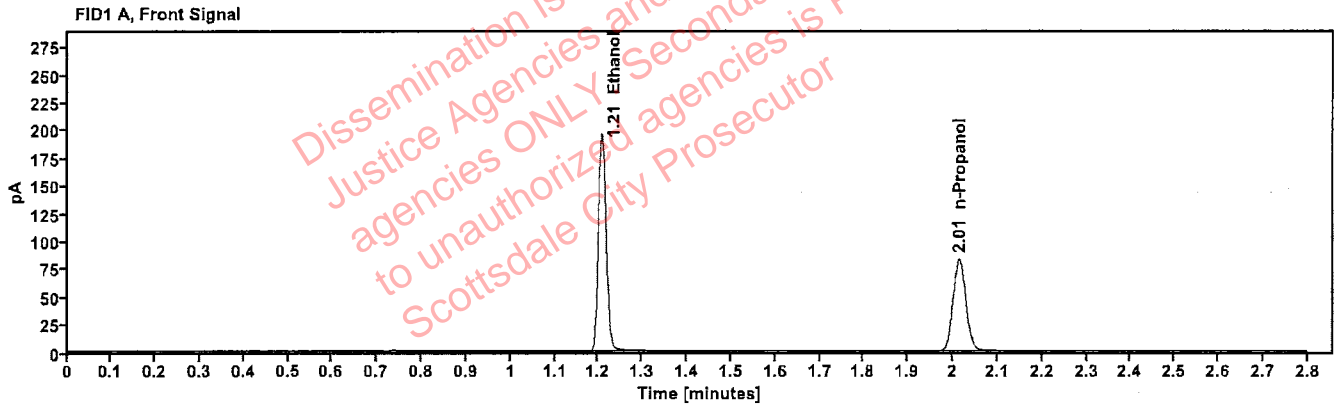


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4022	1.207	247.686
n-Propanol	----	2.014	164.992

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

Compound	Time (min)	Peak Area
Ethanol	1.354	271.565
n-Propanol	2.432	178.794

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 37
Description: 0.040	LIMS ID: 108
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 1:20:41 PM
Data file: C:\Chem32\1\Data\28Mar23\37.D	Analyst: Brooke

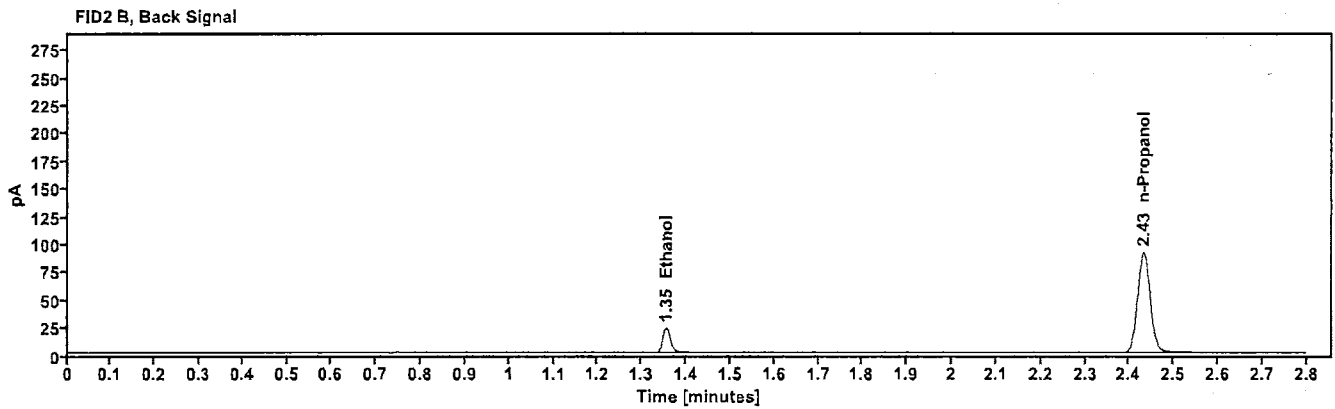
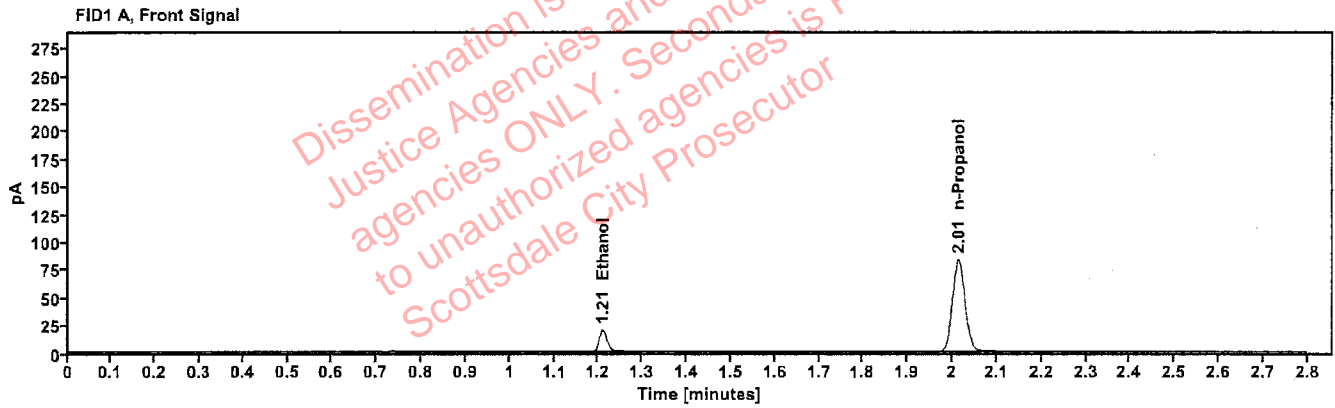


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0405	1.209	24.824
n-Propanol	-----	2.013	166.307

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.906
n-Propanol	2.432	180.094

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/10	Vial: 38
Description: 0.199	LIMS ID: 708
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 1:24:41 PM
Data file: C:\Chem32\1\Data\28Mar23\38.D	Analyst: Brooke

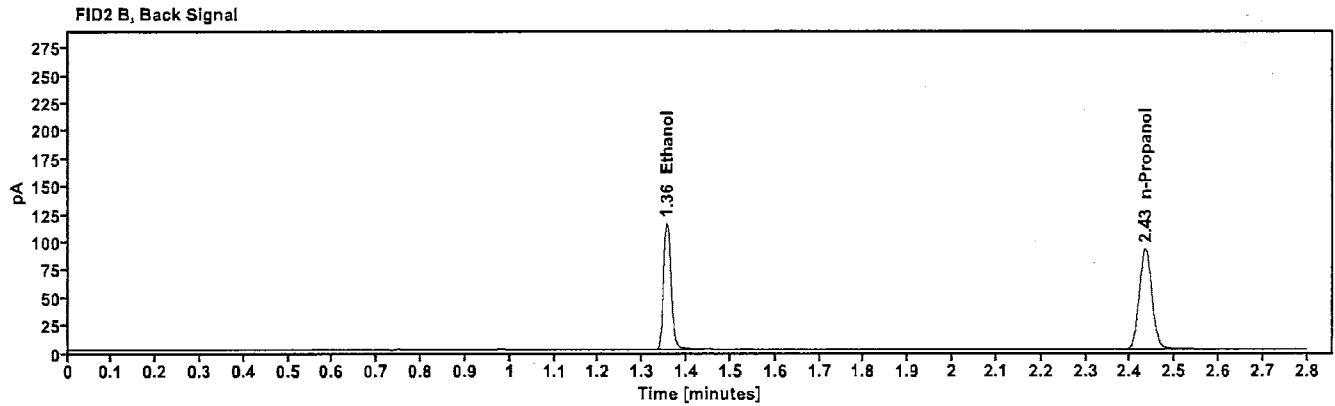
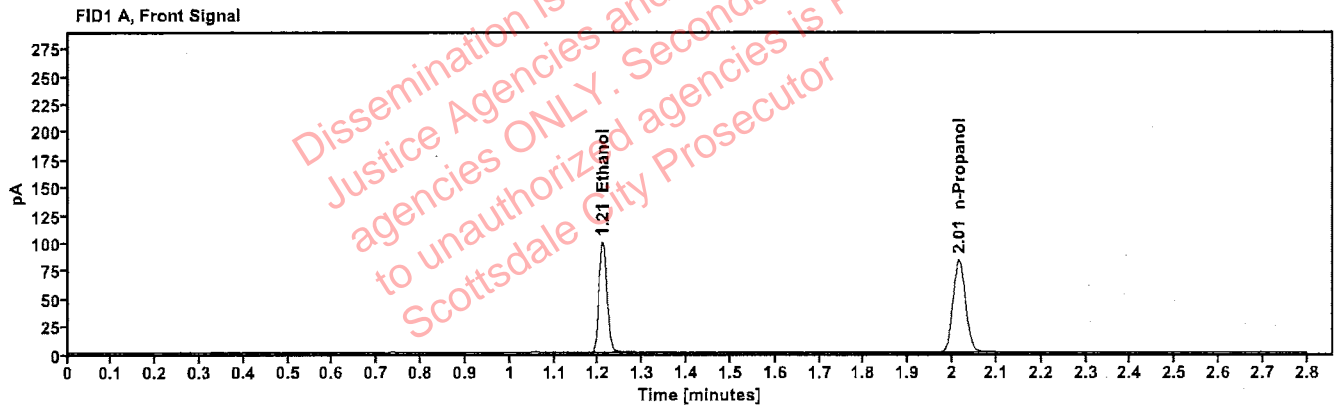


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2030	1.209	126.074
n-Propanol	-----	2.014	166.652

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

Compound	Time (min)	Peak Area
Ethanol	1.355	137.418
n-Propanol	2.434	180.554

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 122022AQ	Vial: 39
Description: Negative	LIMS ID: MB
Method: ethanol quant.M	Sequence: 28Mar23
Instrument: US14173023 CN14160045	Injection date: 3/28/2023 1:28:40 PM
Data file: C:\Chem32\1\Data\28Mar23\39.D	Analyst: Brooke

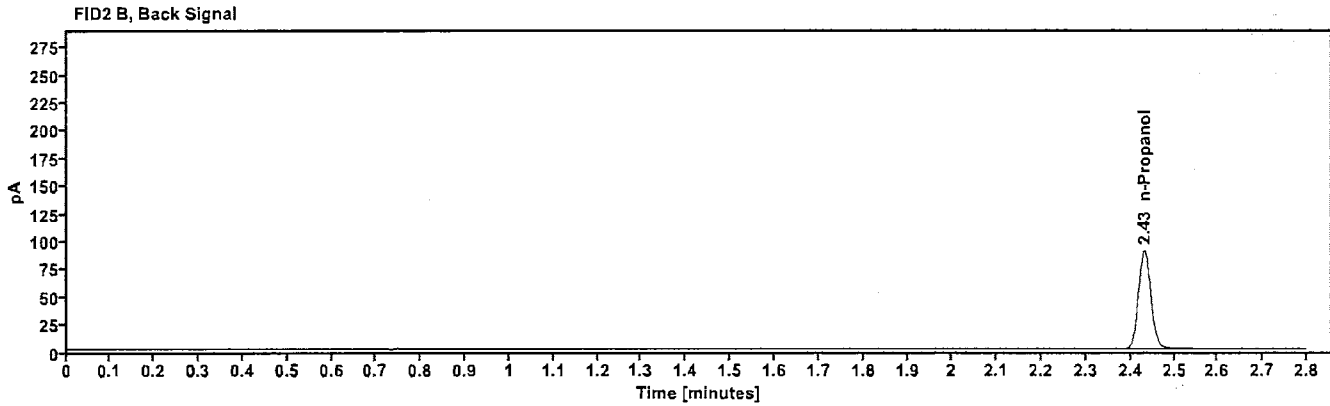
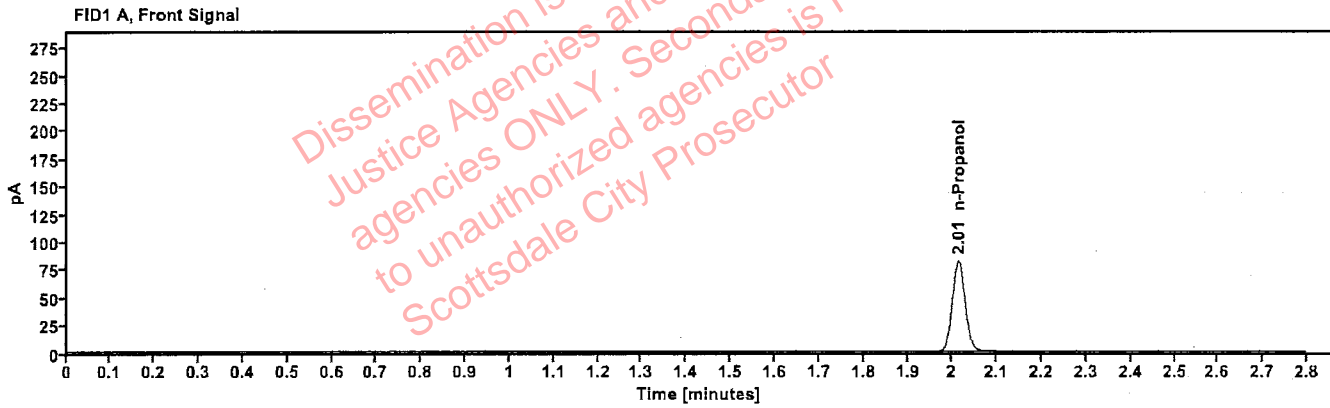


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.013	163.765

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	177.617

Sequence Summary

Sequence name: 28Mar23 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	011823VWB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/10	0.199	Control		ethanol quant.M
10	1245051		Sample		ethanol quant.M
11	1245051		Sample		ethanol quant.M
12	409-01A.V.		Sample		ethanol quant.M
13	409-01A.V.		Sample		ethanol quant.M
14	327-01A.O.		Sample		ethanol quant.M
15	327-01A.O.		Sample		ethanol quant.M
16	2305783-1		Sample		ethanol quant.M
17	2305783-1		Sample		ethanol quant.M
18	2305009-2		Sample		ethanol quant.M
19	2305009-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2305843-2		Sample		ethanol quant.M
22	2305843-2		Sample		ethanol quant.M
23	2305880-1		Sample		ethanol quant.M
24	2305880-1		Sample		ethanol quant.M
25	2305943-2		Sample		ethanol quant.M
26	2305943-2		Sample		ethanol quant.M
27	2304817-1		Sample		ethanol quant.M
28	2304817-1		Sample		ethanol quant.M
29	2306124-2		Sample		ethanol quant.M
30	2306124-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2306136-2		Sample		ethanol quant.M
33	2306136-2		Sample		ethanol quant.M
34	2306247-3		Sample		ethanol quant.M
35	2306247-3		Sample		ethanol quant.M
36	30012020-A	0.400	Control		ethanol quant.M
37	14082019-B	0.040	Control		ethanol quant.M
38	4110320133/10	0.199	Control		ethanol quant.M
39	122022AQ	Negative	Control		ethanol quant.M

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20

Scottsdale Police Department Crime Laboratory Summary of Cases

FB

SEQUENCE NAME: 28Mar23

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1604	0.1585	0.15945	0.60	0.00095
12 13	0.2029	0.2025	0.20270	0.10	0.00020
14 15	0.0903	0.0899	0.09010	0.22	0.00020
16 17	0.1915	0.1911	0.19130	0.10	0.00020
18 19	0.2845	0.2858	0.28515	0.23	0.00065
21 22	0.2113	0.2097	0.21050	0.38	0.00080
23 24	0.2364	0.2368	0.23660	0.08	0.00020
25 26	0.2268	0.2239	0.22535	0.64	0.00145
27 28	0.1022	0.1036	0.10290	0.68	0.00070
29 30	0.1598	0.1594	0.15960	0.13	0.00020
32 33	0.0389	0.0386	0.03875	0.39	0.00015
34 35	0.1618	0.1620	0.16190	0.06	0.00010

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

Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

AB

ANALYST: Brooke

SEQUENCE: 28Mar23

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Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1245051	1245051	1245051	Yes
Vials 12 and 13	409-01A.V.	409-01A.V.	409-01A.V.	Yes
Vials 14 and 15	327-01A.O.	327-01A.O.	327-01A.O.	Yes
Vials 16 and 17	2305783-1	2305783-1	2305783-1	Yes
Vials 18 and 19	2305009-2	2305009-2	2305009-2	Yes
Vials 21 and 22	2305843-2	2305843-2	2305843-2	Yes
Vials 23 and 24	2305880-1	2305880-1	2305880-1	Yes
Vials 25 and 26	2305943-2	2305943-2	2305943-2	Yes
Vials 27 and 28	2304817-1	2304817-1	2304817-1	Yes
Vials 29 and 30	2306124-2	2306124-2	2306124-2	Yes
Vials 32 and 33	2306136-2	2306136-2	2306136-2	Yes
Vials 34 and 35	2306247-3	2306247-3	2306247-3	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1245051	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:31:26 AM
Data file:	C:\Chem32\1\Data\28Mar23\10.D	Analyst:	Brooke

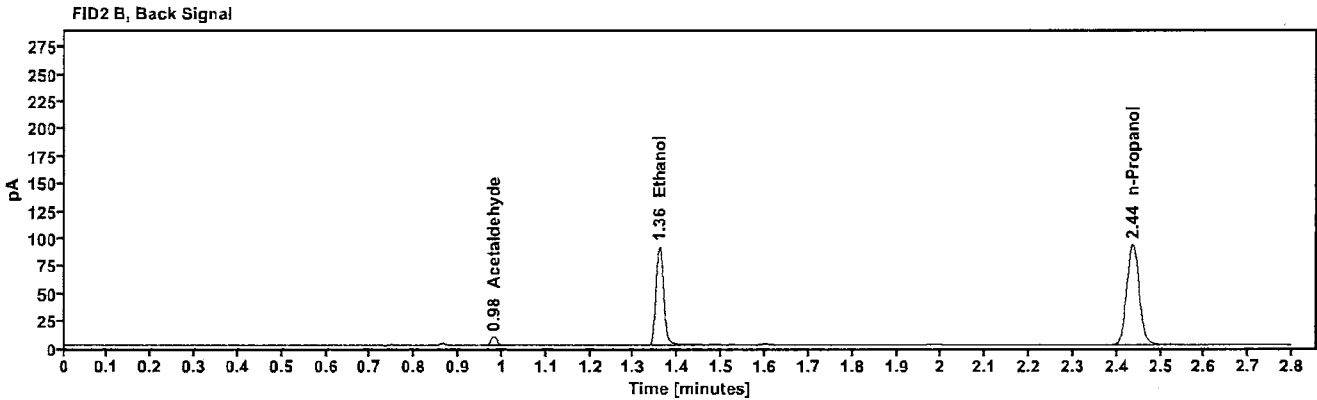
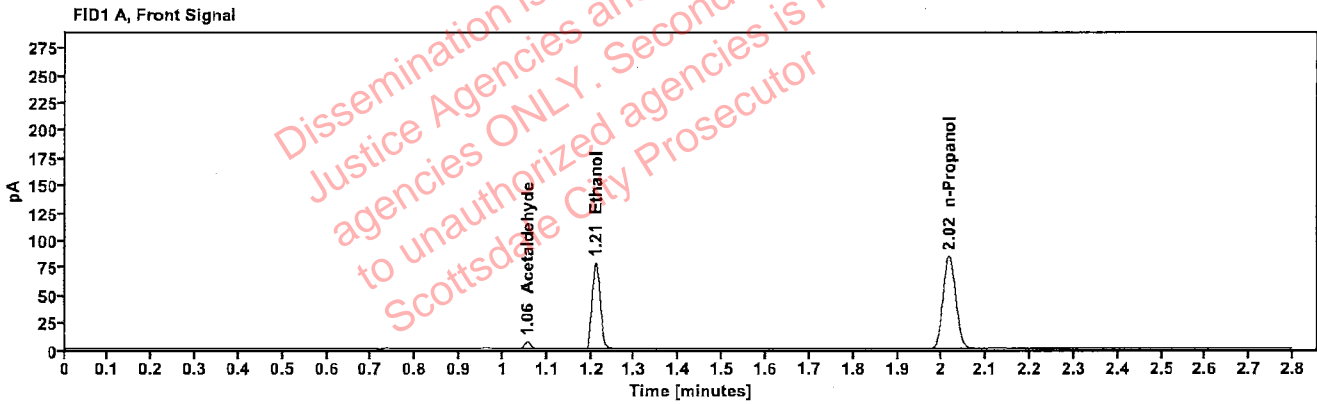


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	6.736
>Ethanol	0.1604	1.210	100.306
n-Propanol	-----	2.016	167.874

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	7.569
Ethanol	1.358	109.100
n-Propanol	2.436	182.351

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1245051	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:35:25 AM
Data file:	C:\Chem32\1\Data\28Mar23\11.D	Analyst:	Brooke

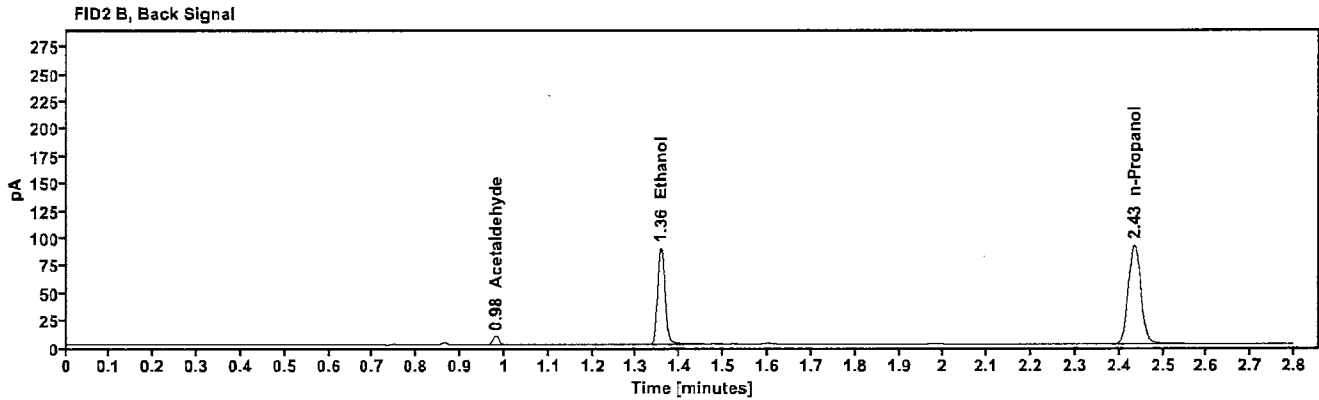
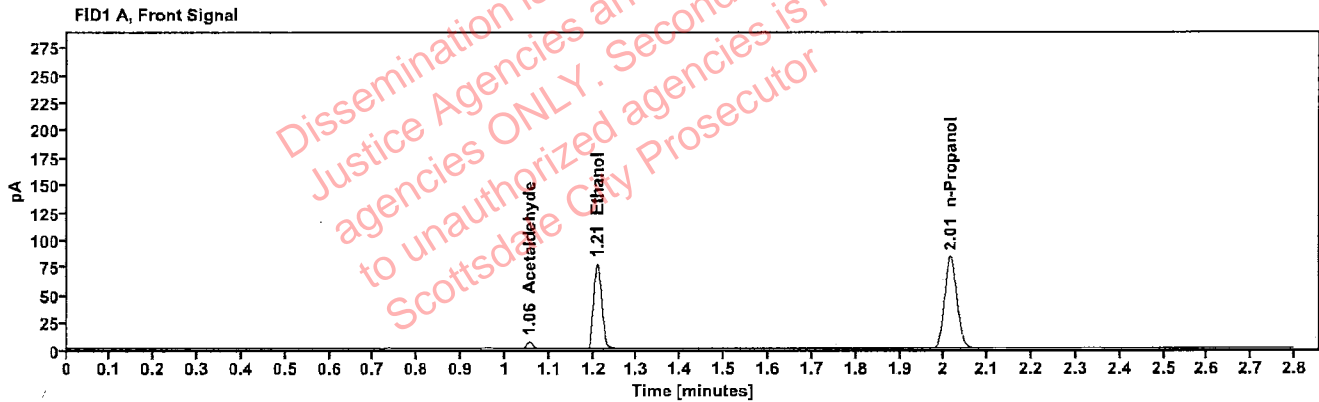


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	6.759
>Ethanol	0.1585	1.209	98.180
n-Propanol	-----	2.015	166.308

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	7.602
Ethanol	1.356	106.675
n-Propanol	2.434	180.592

[REDACTED] : Brooke, Phillip - (28-Mar-2023)

Case: [REDACTED] User: pbrooke 3/28/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01A.V.	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:39:25 AM
Data file:	C:\Chem32\1\Data\28Mar23\12.D	Analyst:	Brooke

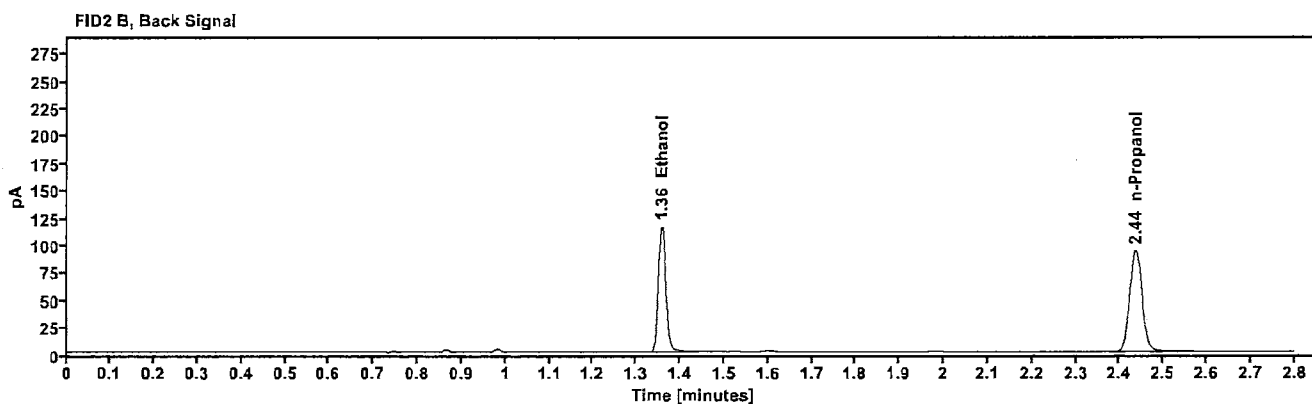
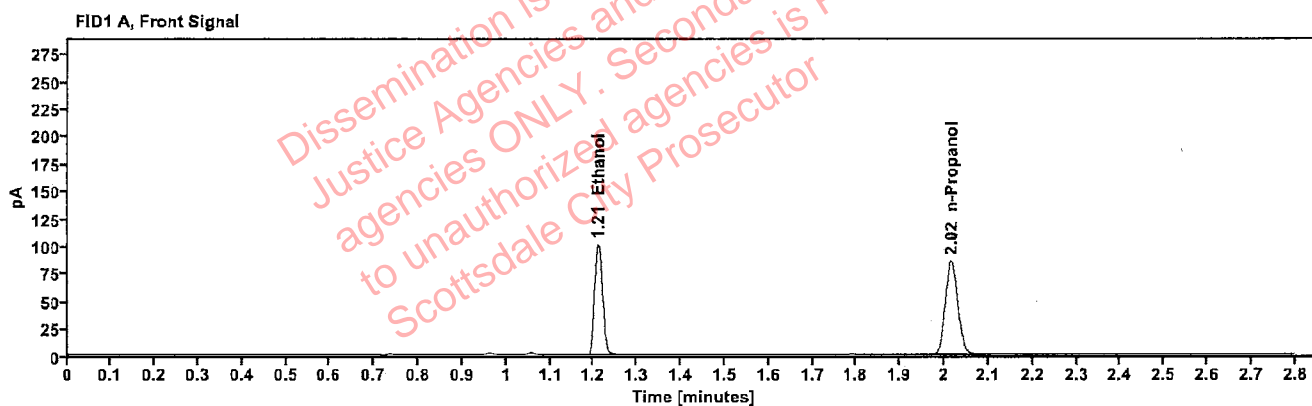


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2029	1.210	128.422
n-Propanol	-----	2.016	169.787

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

Compound	Time (min)	Peak Area
Ethanol	1.358	139.918
n-Propanol	2.436	184.211

[REDACTED]: Brooke, Phillip - (28-Mar-2023)

Case: [REDACTED] User: pbrooke 3/28/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01A.V.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:43:40 AM
Data file:	C:\Chem32\1\Data\28Mar23\13.D	Analyst:	Brooke

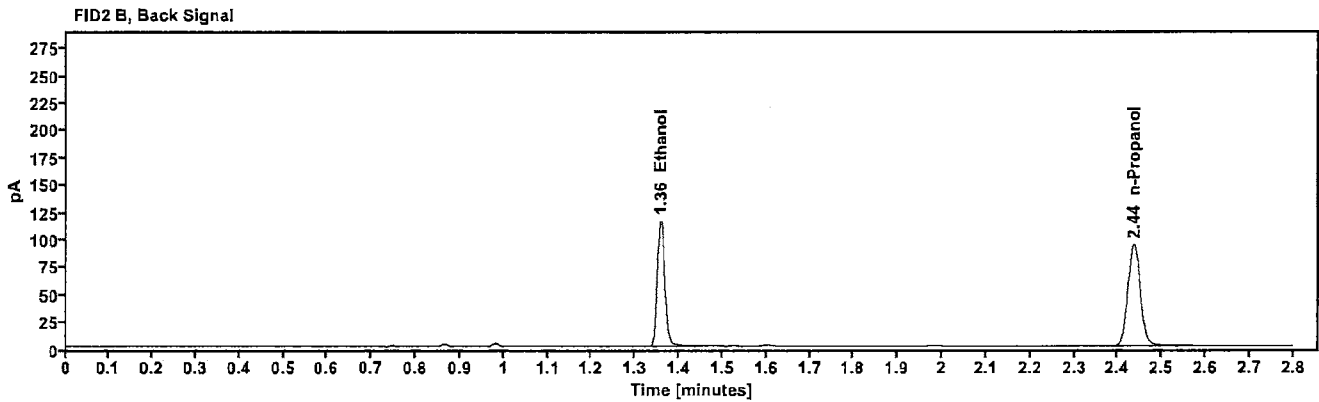
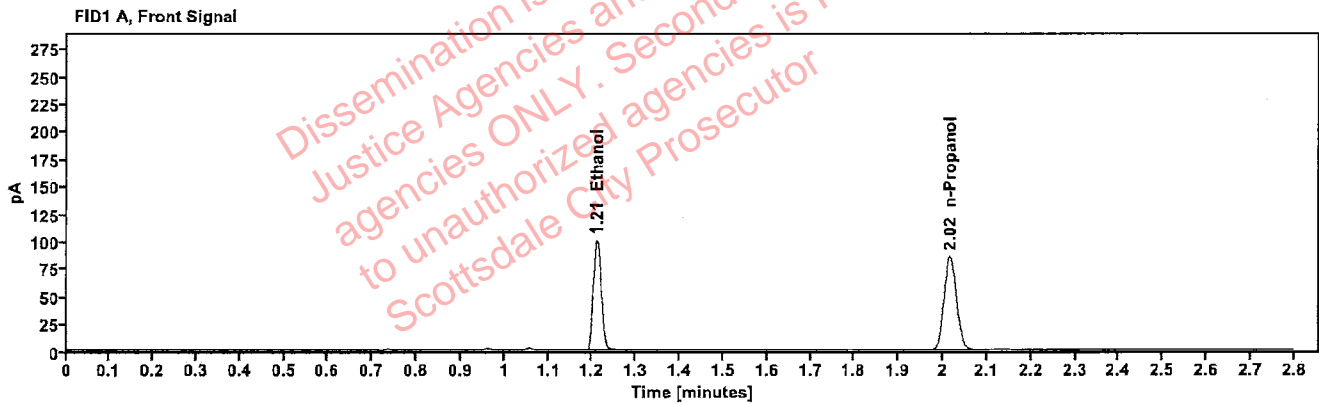


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2025	1.210	128.076
n-Propanol	-----	2.016	169.702

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

Compound	Time (min)	Peak Area
Ethanol	1.358	139.318
n-Propanol	2.436	184.032

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01A.O.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:47:40 AM
Data file:	C:\Chem32\1\Data\28Mar23\14.D	Analyst:	Brooke

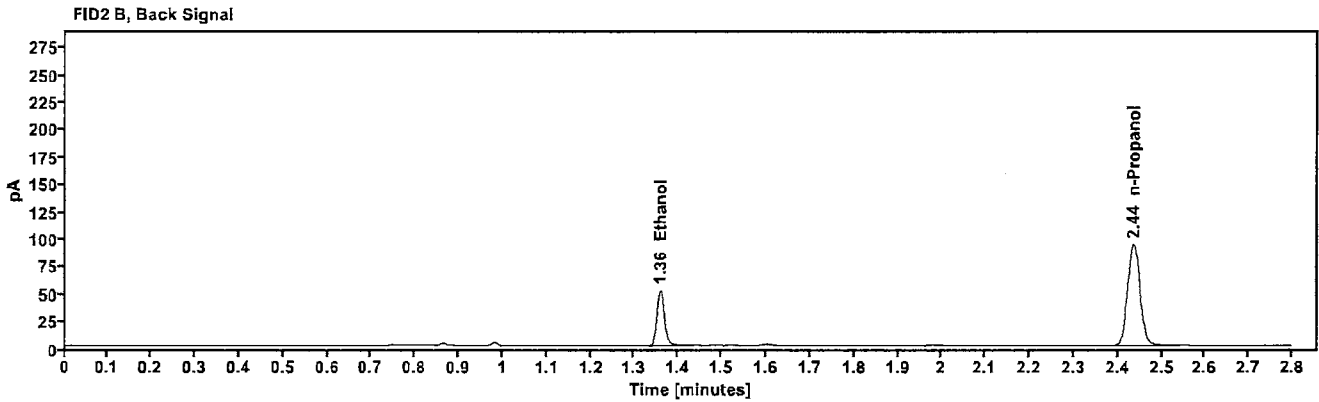
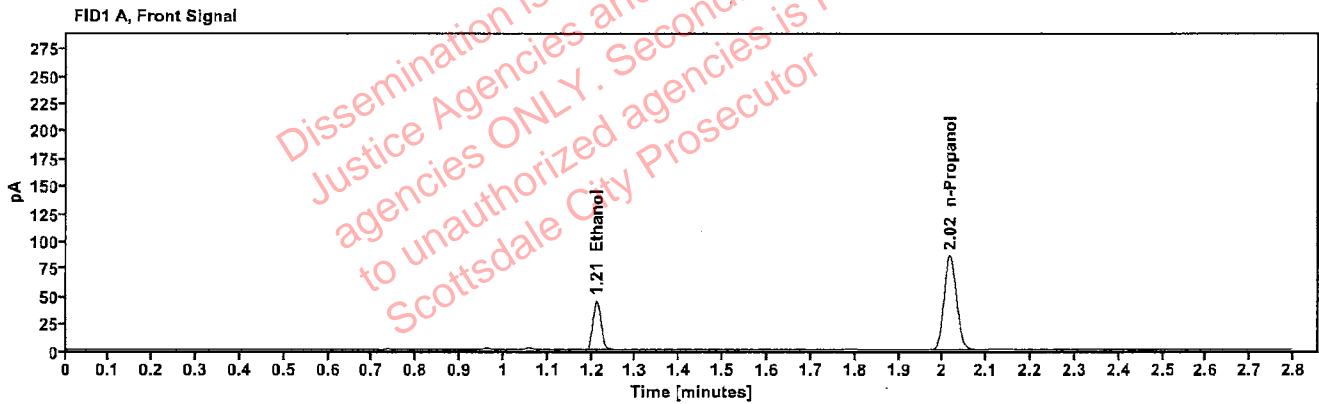


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0903	1.211	57.093
n-Propanol	-----	2.016	170.138

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

Compound	Time (min)	Peak Area
Ethanol	1.359	62.042
n-Propanol	2.436	184.496

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01A.O.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:51:40 AM
Data file:	C:\Chem32\1\Data\28Mar23\15.D	Analyst:	Brooke

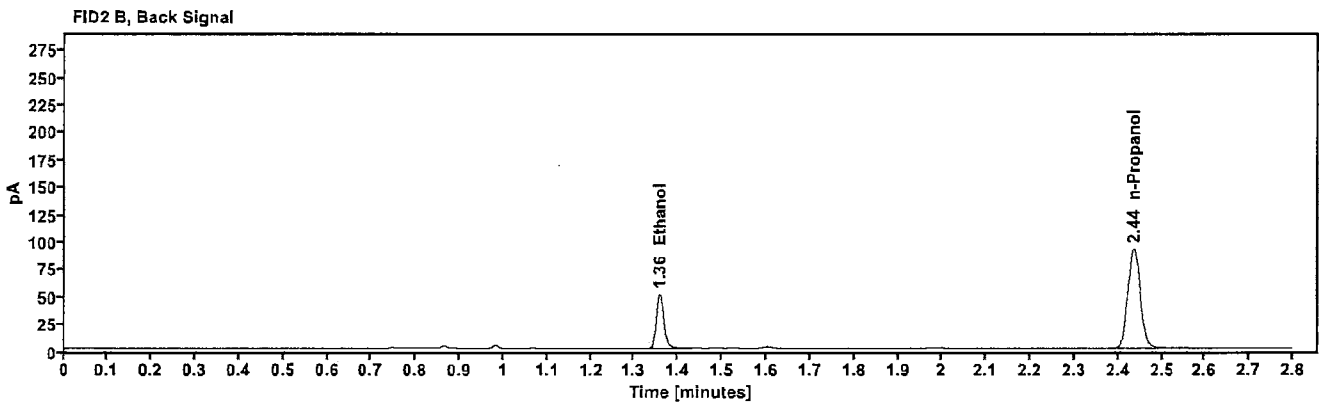
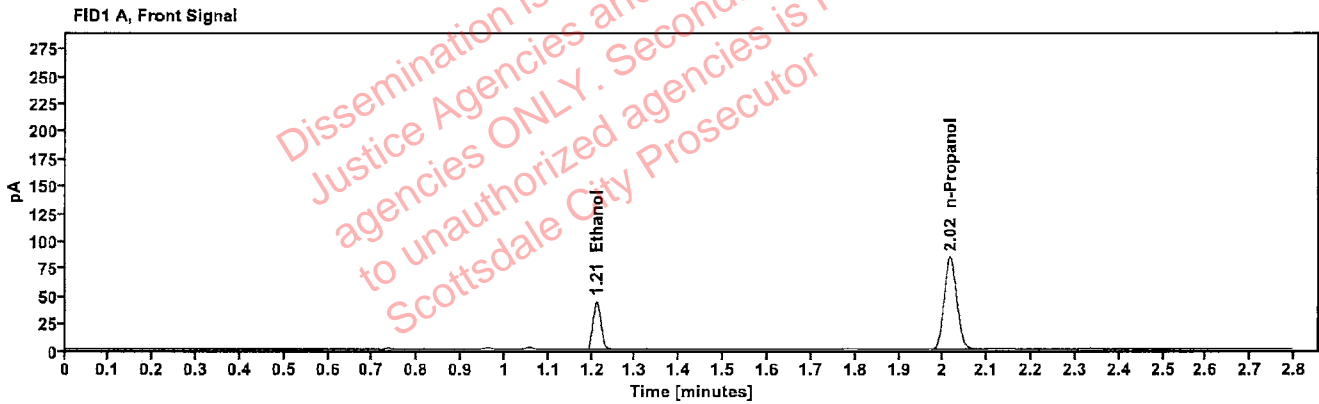


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0899	1.211	55.814
n-Propanol	-----	2.016	167.090

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

Compound	Time (min)	Peak Area
Ethanol	1.358	60.705
n-Propanol	2.435	181.337

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305783-1	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:55:41 AM
Data file:	C:\Chem32\1\Data\28Mar23\16.D	Analyst:	Brooke

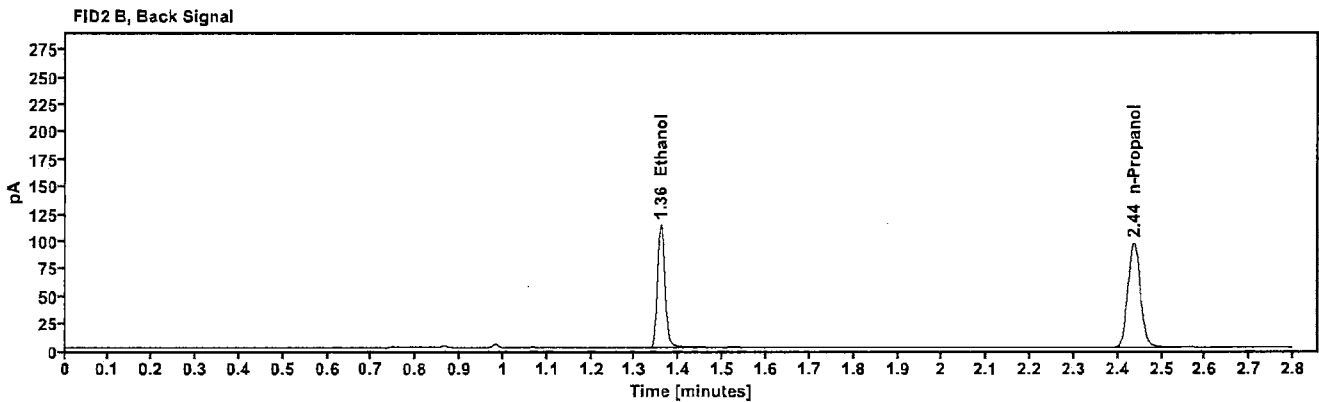
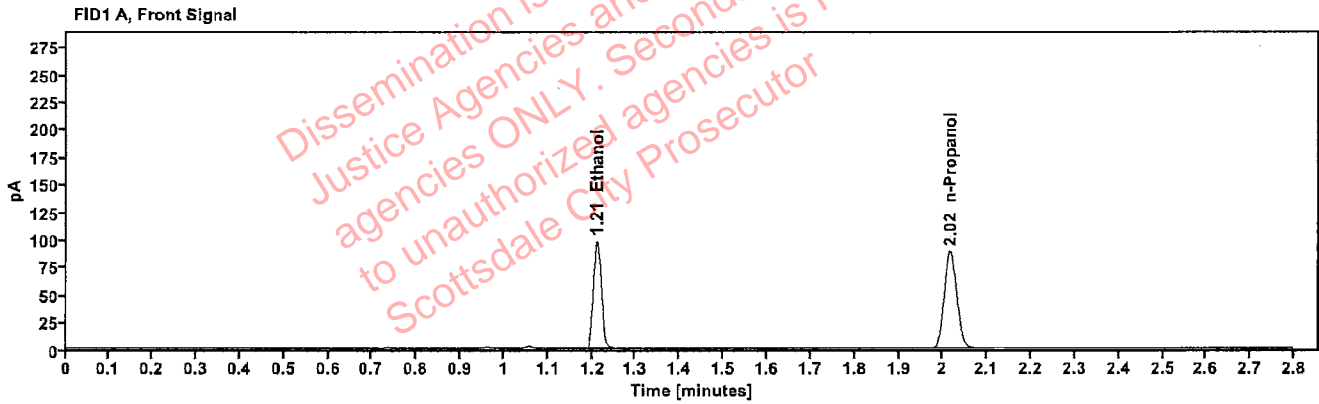


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1915	1.211	125.111
n-Propanol	---	2.016	175.309

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

Compound	Time (min)	Peak Area
Ethanol	1.359	136.122
n-Propanol	2.437	189.430

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305783-1	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 11:59:40 AM
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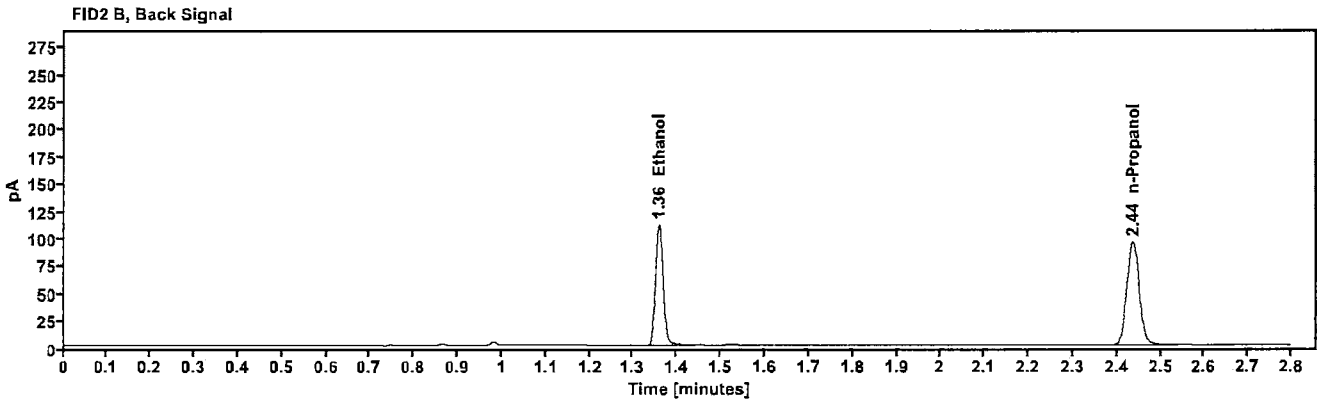
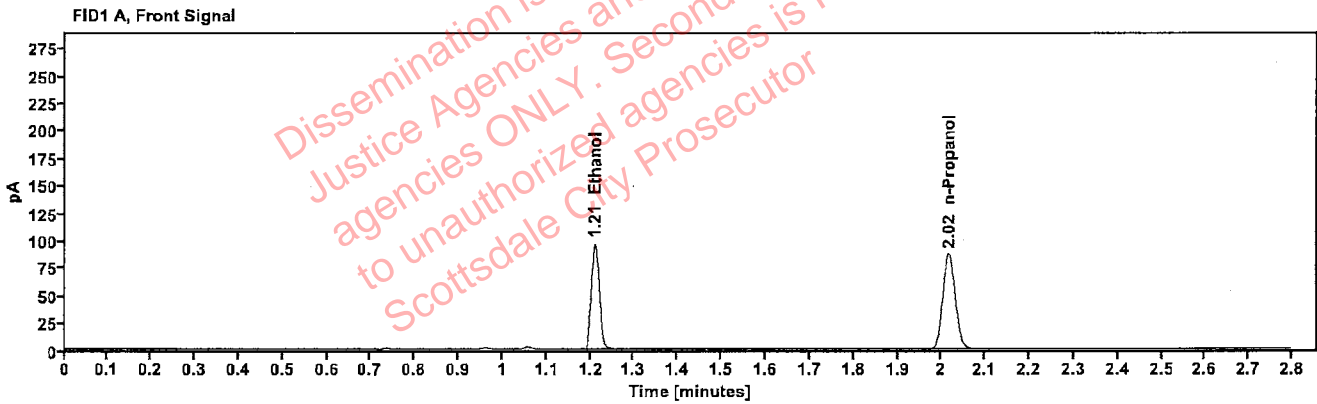


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1911	1.210	123.132
n-Propanol	---	2.016	172.891

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

Compound	Time (min)	Peak Area
Ethanol	1.358	133.740
n-Propanol	2.436	187.141

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305009-2	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:03:41 PM
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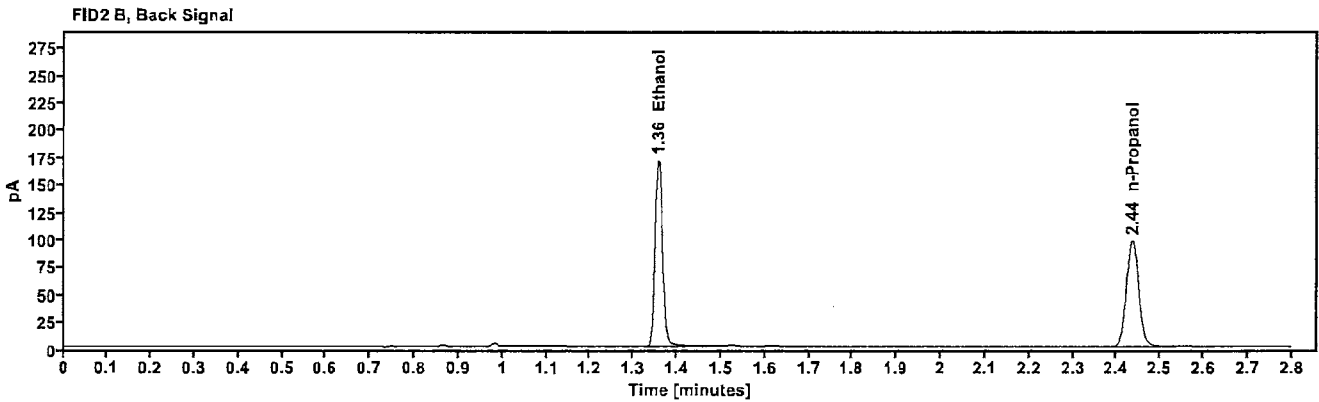
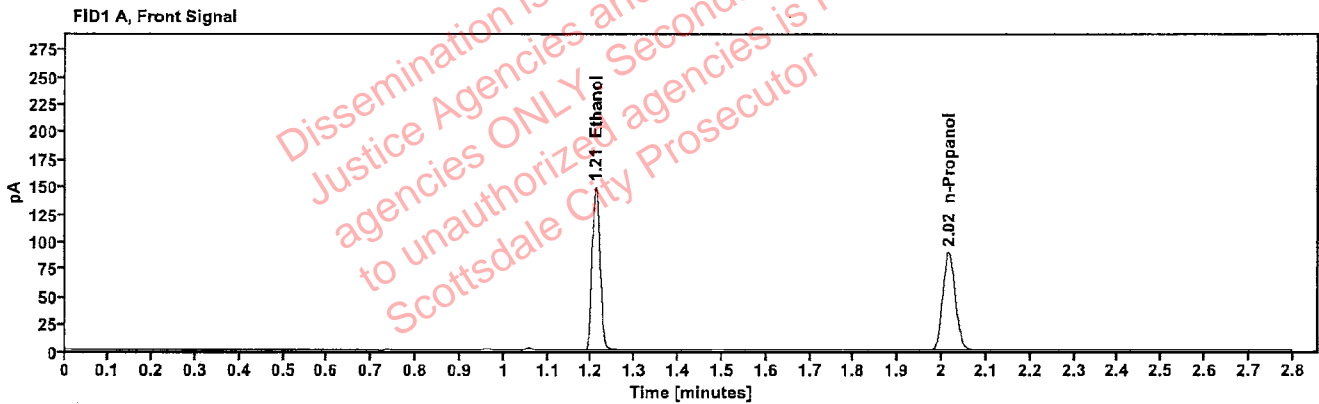


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2845	1.210	188.955
n-Propanol	----	2.015	178.067

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

Compound	Time (min)	Peak Area
Ethanol	1.357	206.679
n-Propanol	2.435	192.678

[REDACTED]: Brooke, Phillip - (28-Mar-2023)

Case: [REDACTED] User: pbrooke 3/28/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305009-2	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:07:55 PM
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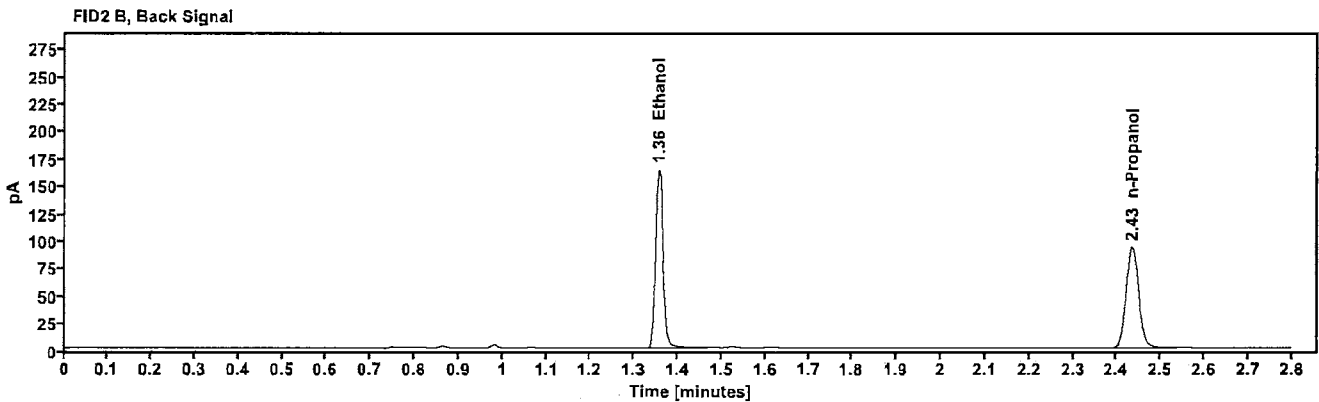
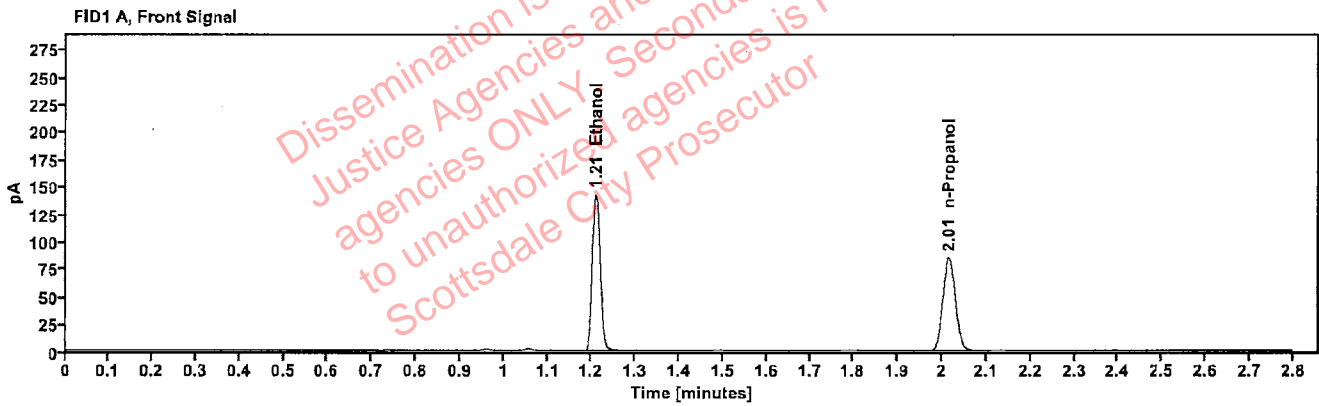


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2858	1.209	181.085
n-Propanol	-----	2.015	169.878

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

Compound	Time (min)	Peak Area
Ethanol	1.356	197.800
n-Propanol	2.434	183.729

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305843-2	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:15:55 PM
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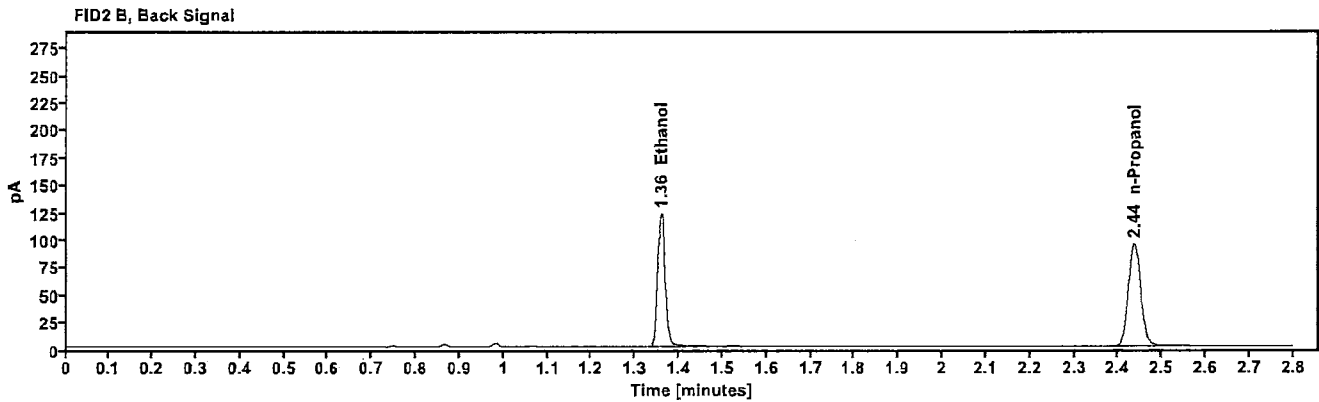
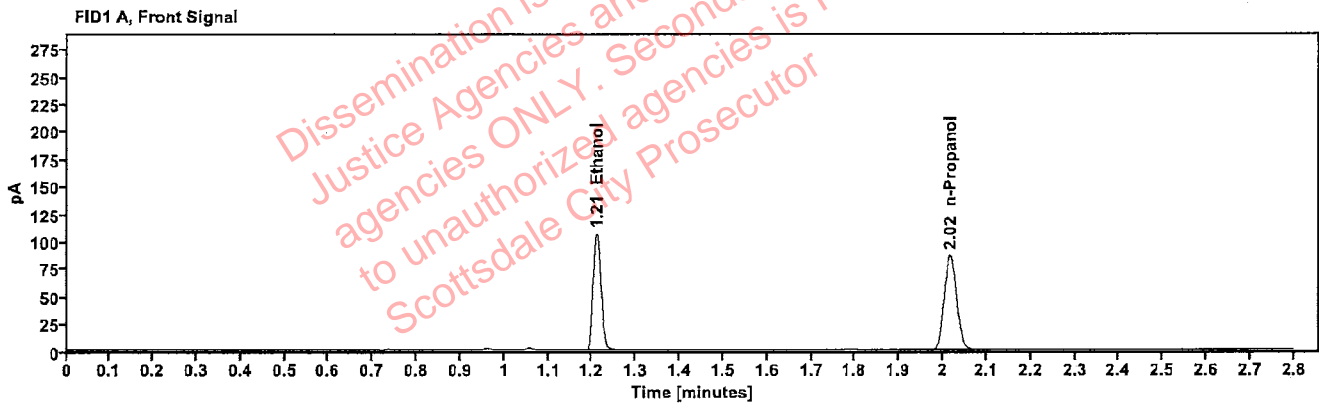


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2113	1.210	135.519
n-Propanol	-----	2.016	172.098

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

Compound	Time (min)	Peak Area
Ethanol	1.358	147.571
n-Propanol	2.436	186.197

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305843-2	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:19:55 PM
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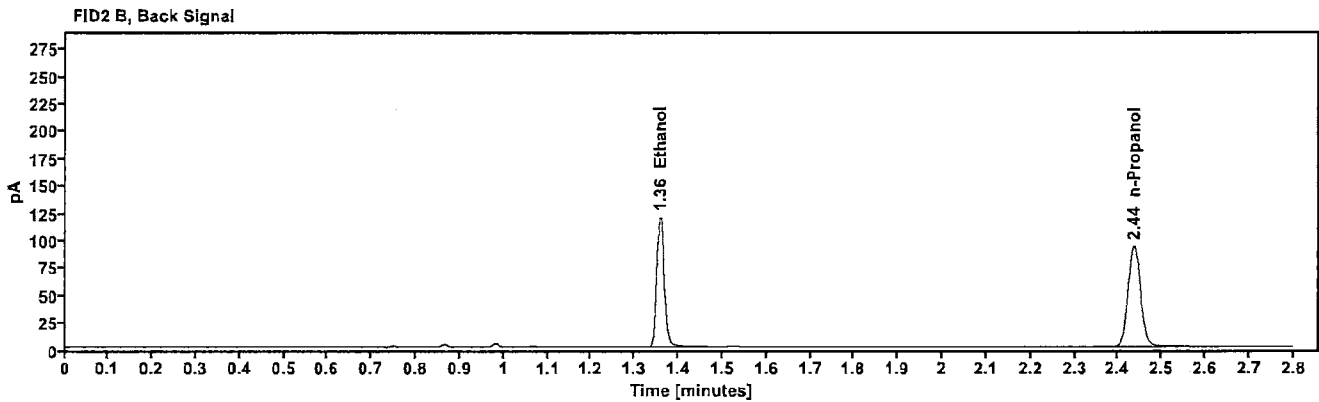
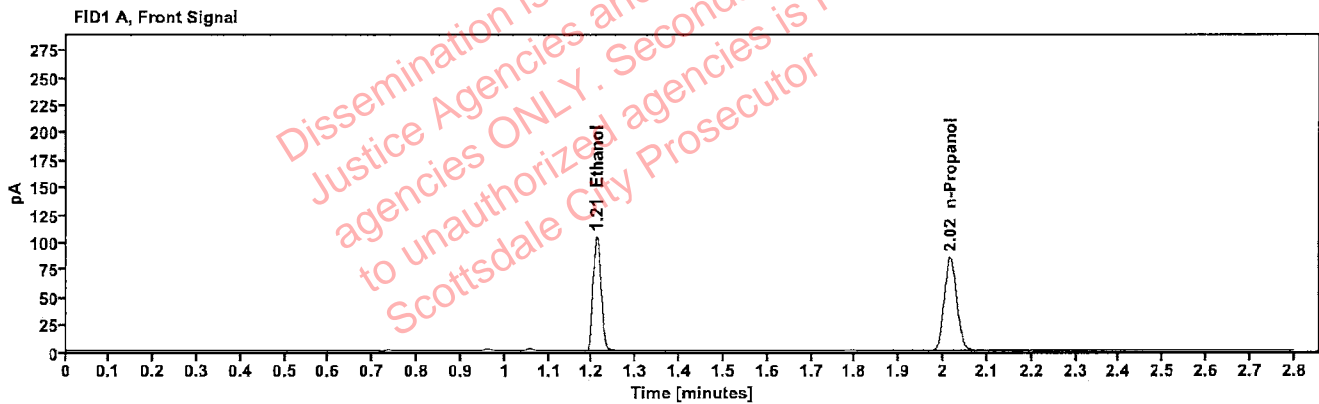


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2097	1.210	132.611
n-Propanol	-----	2.016	169.627

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

Compound	Time (min)	Peak Area
Ethanol	1.358	144.975
n-Propanol	2.436	183.563

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305880-1	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:23:55 PM
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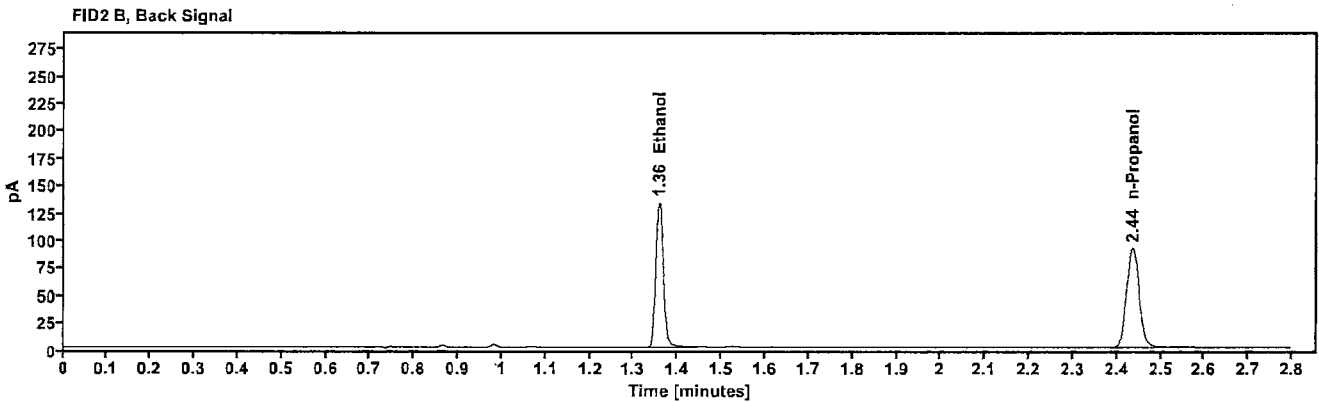
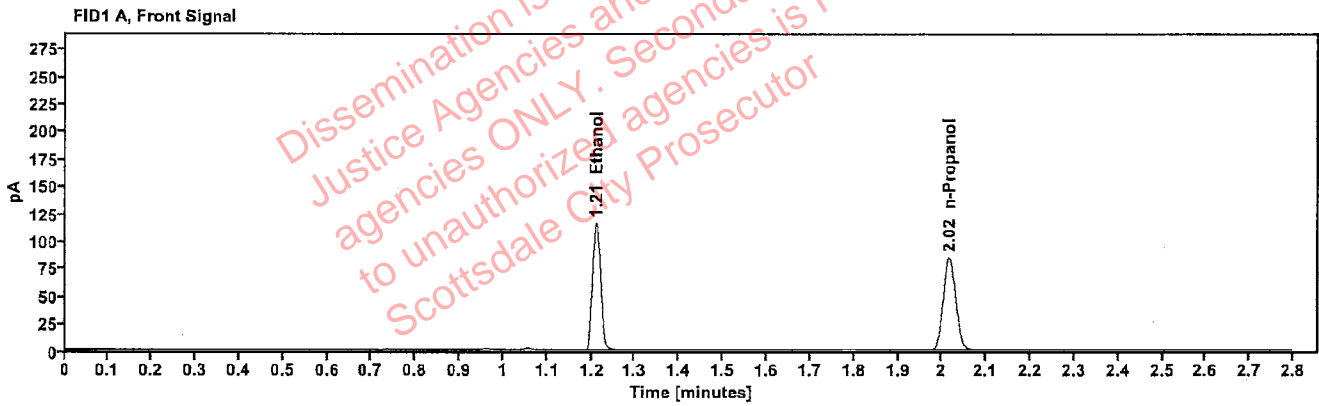


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2364	1.210	147.677
n-Propanol	---	2.016	167.566

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

Compound	Time (min)	Peak Area
Ethanol	1.358	161.025
n-Propanol	2.436	180.995

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305880-1	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:27:56 PM
Data file:	C:\Chem32\1\Data\28Mar23\24.D	Analyst:	Brooke

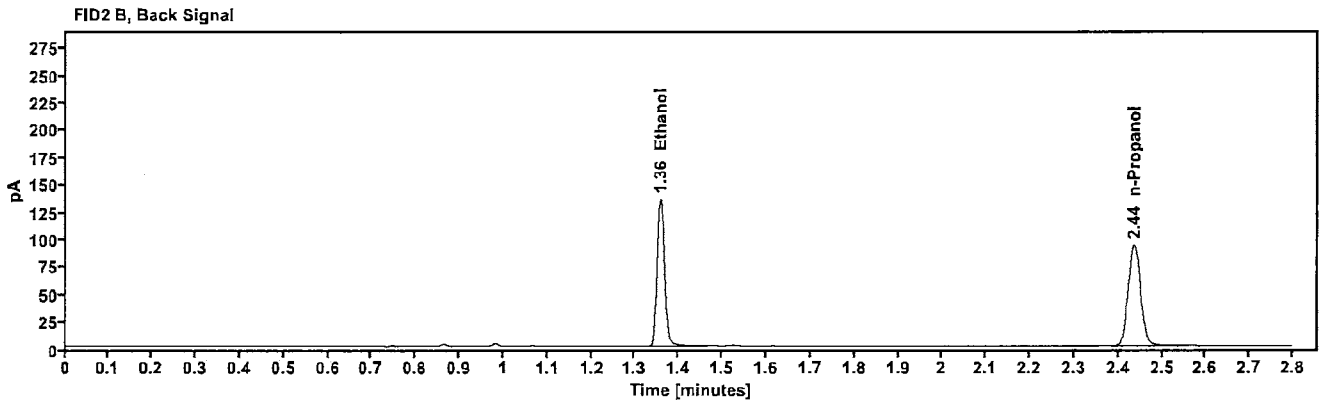
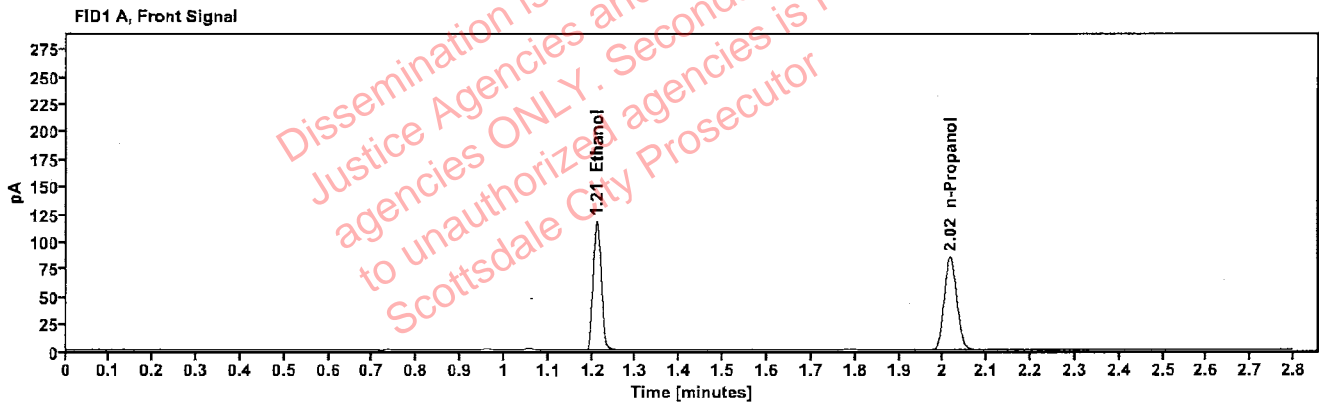


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2368	1.210	149.715
n-Propanol	-----	2.016	169.585

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

Compound	Time (min)	Peak Area
Ethanol	1.358	163.703
n-Propanol	2.436	183.188

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305943-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:32:10 PM
Data file:	C:\Chem32\1\Data\28Mar23\25.D	Analyst:	Brooke

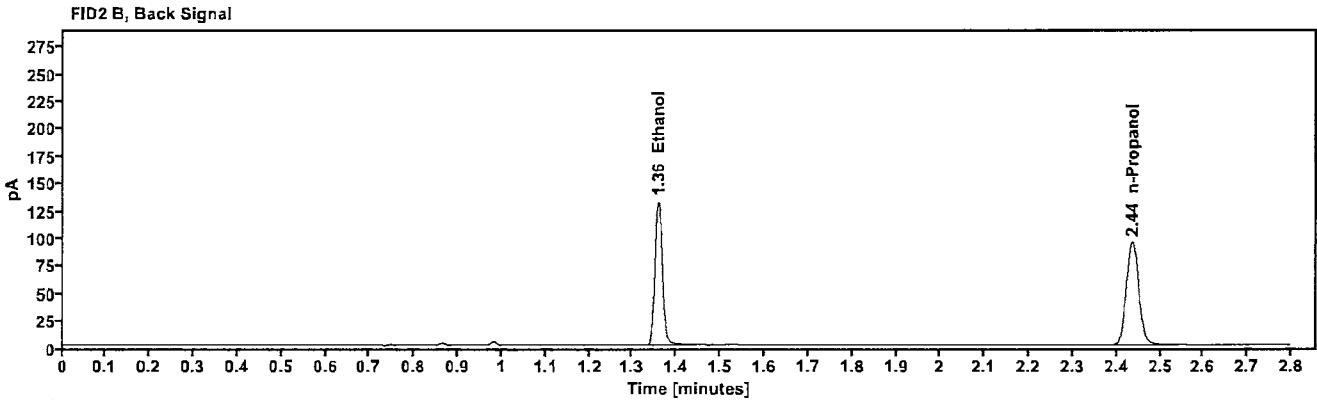
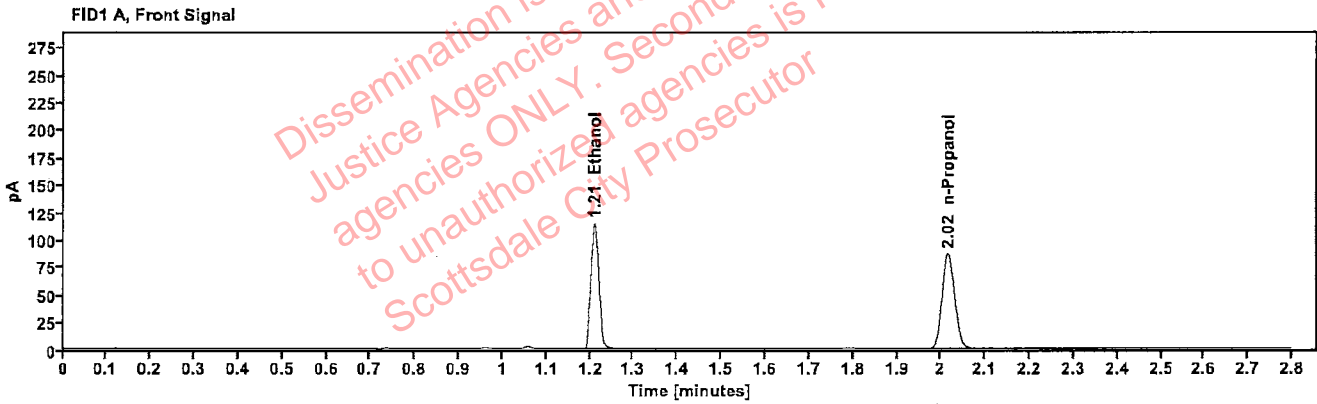


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2268	1.210	145.669
n-Propanol	---	2.016	172.279

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

Compound	Time (min)	Peak Area
Ethanol	1.358	158.724
n-Propanol	2.436	186.533

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2305943-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:36:10 PM
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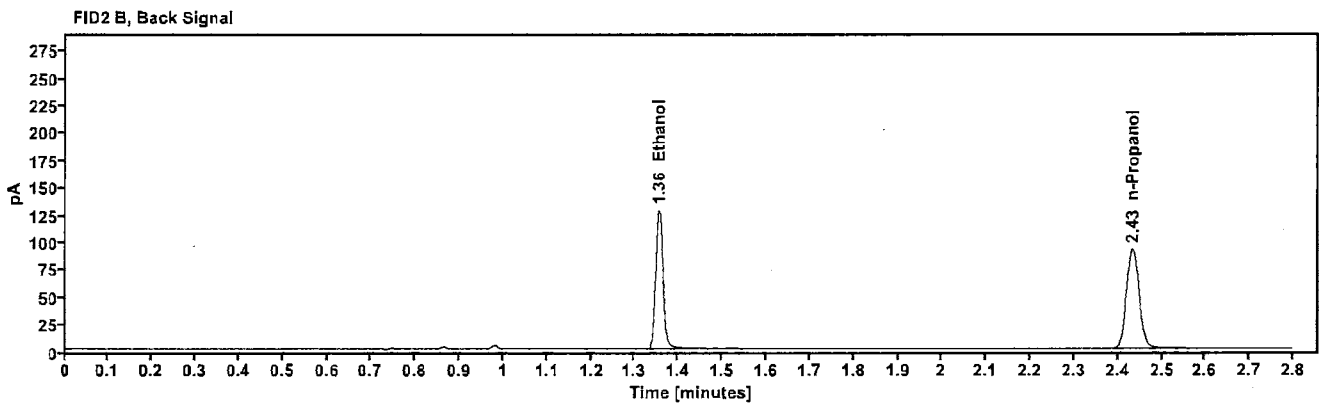
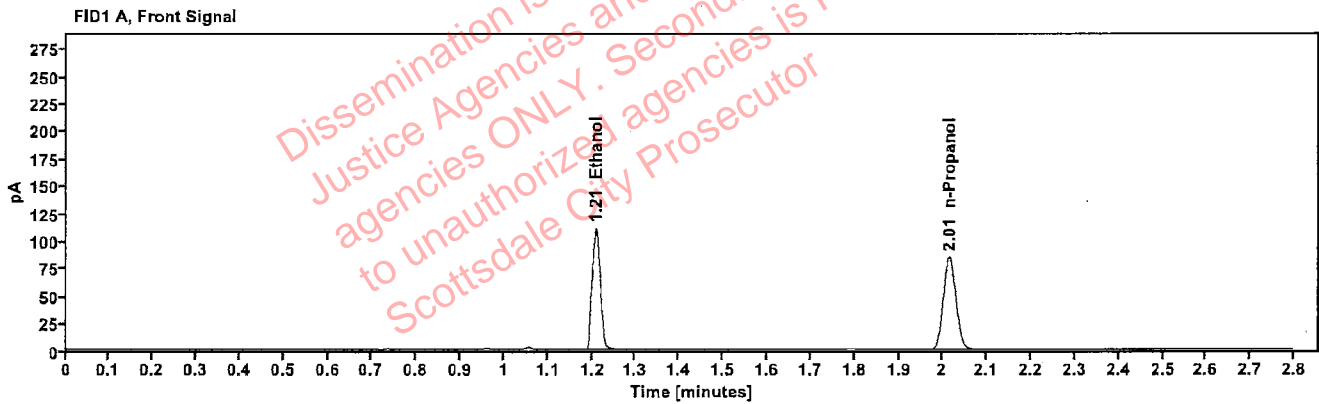


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2239	1.209	140.109
n-Propanol	-----	2.014	167.884

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

Compound	Time (min)	Peak Area
Ethanol	1.355	152.559
n-Propanol	2.433	181.844

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2304817-1	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:40:10 PM
Data file:	C:\Chem32\1\Data\28Mar23\27.D	Analyst:	Brooke

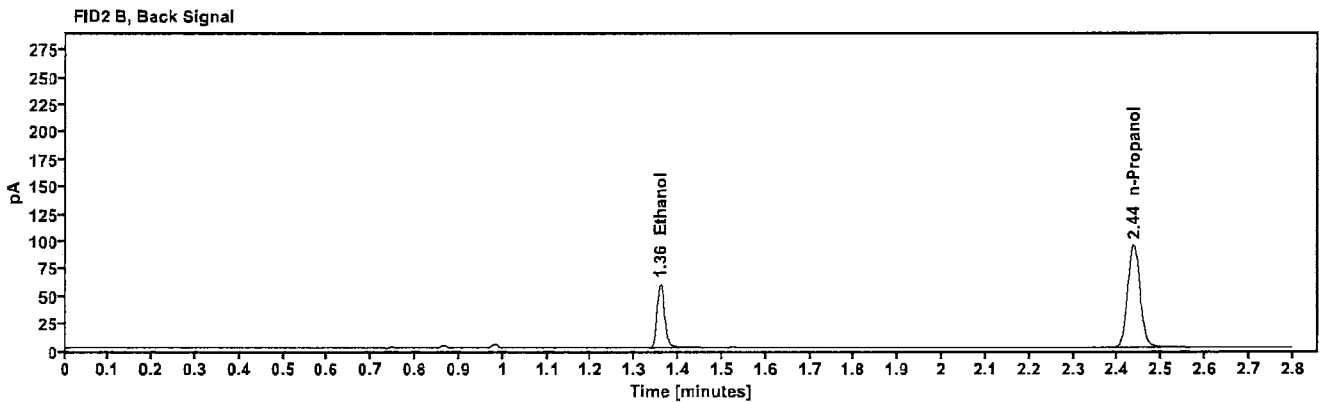
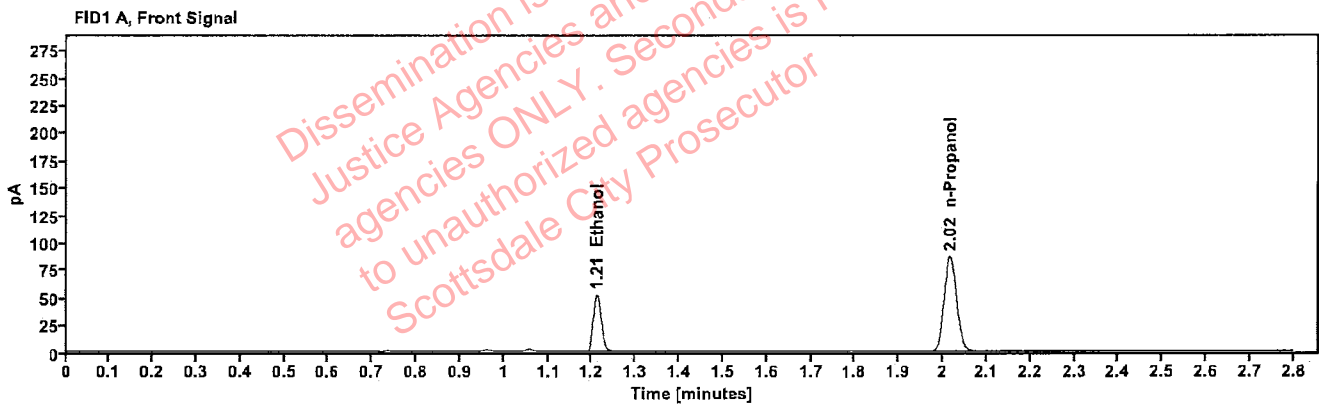


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1022	1.211	65.455
n-Propanol	-----	2.016	172.260

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

Compound	Time (min)	Peak Area
Ethanol	1.359	71.049
n-Propanol	2.436	186.647

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2304817-1	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:44:11 PM
Data file:	C:\Chem32\1\Data\28Mar23\28.D	Analyst:	Brooke

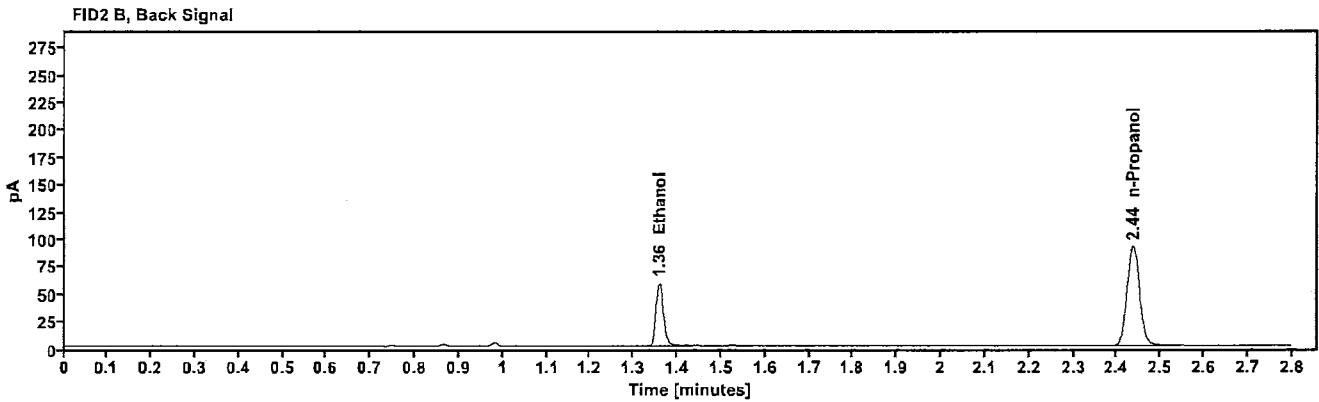
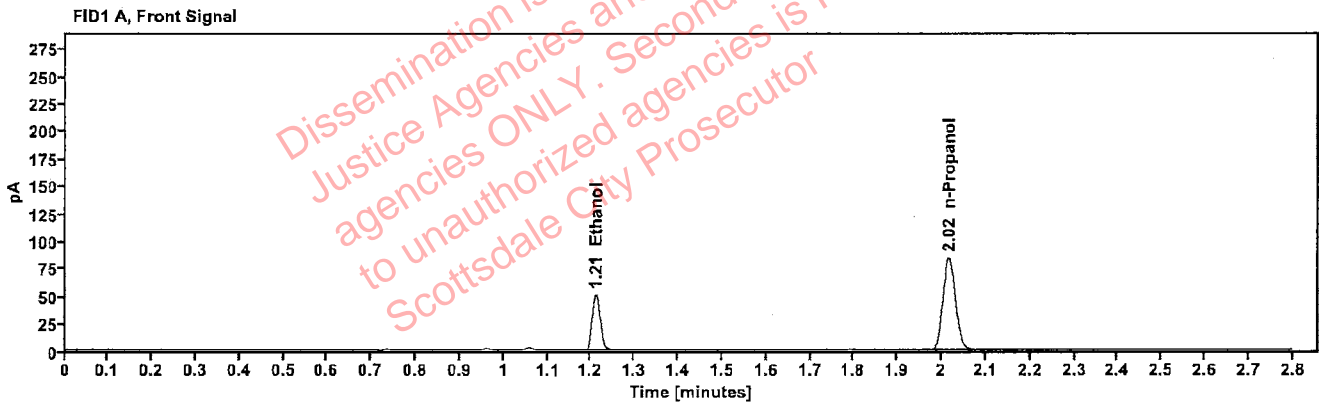


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1036	1.211	64.563
n-Propanol	-----	2.016	167.621

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

Compound	Time (min)	Peak Area
Ethanol	1.359	69.886
n-Propanol	2.436	181.386

[REDACTED] : Brooke, Phillip - (28-Mar-2023)

Case: [REDACTED] User: pbrooke 3/28/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306124-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:48:11 PM
Data file:	C:\Chem32\1\Data\28Mar23\29.D	Analyst:	Brooke

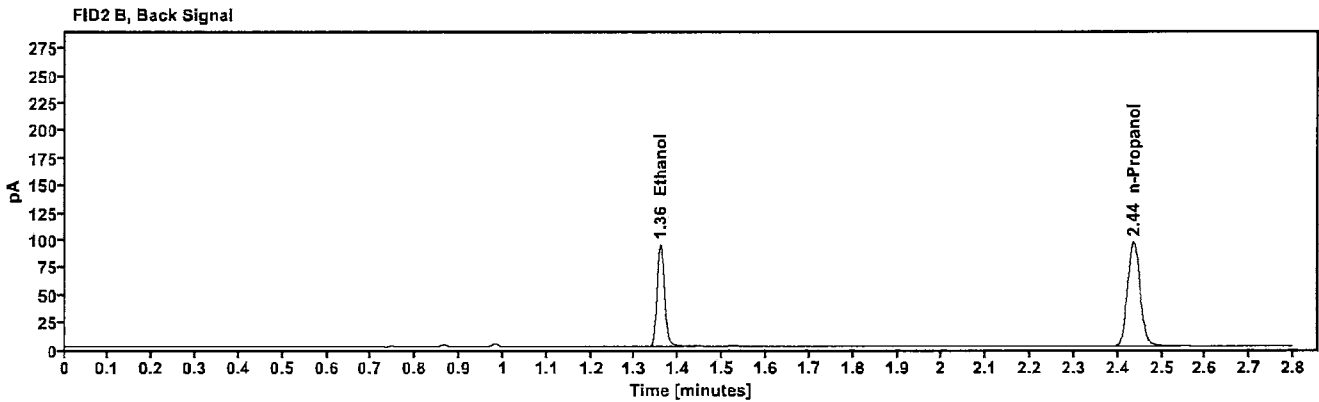
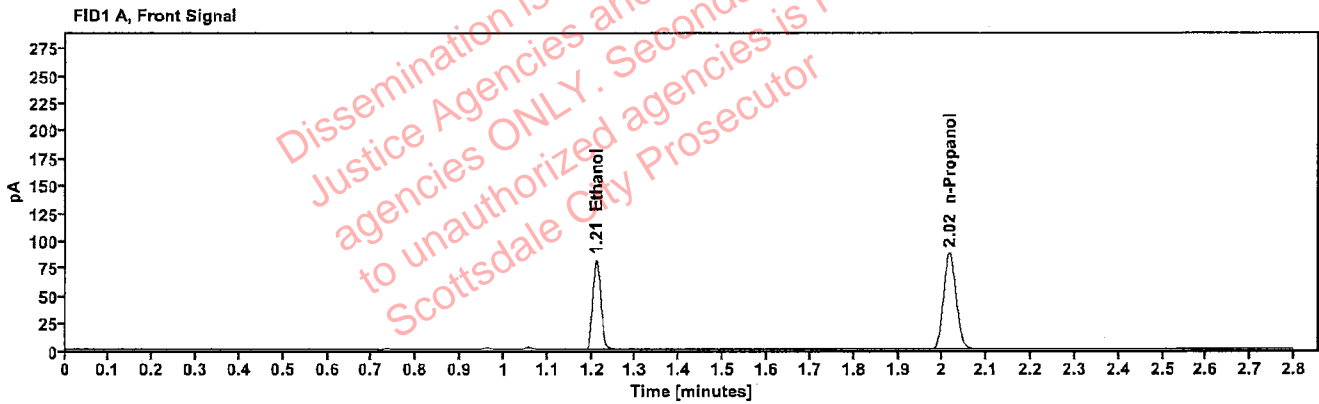


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1598	1.210	104.049
n-Propanol	-----	2.016	174.836

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

Compound	Time (min)	Peak Area
Ethanol	1.358	113.049
n-Propanol	2.436	189.214

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306124-2	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 12:52:10 PM
Data file:	C:\Chem32\1\Data\28Mar23\30.D	Analyst:	Brooke

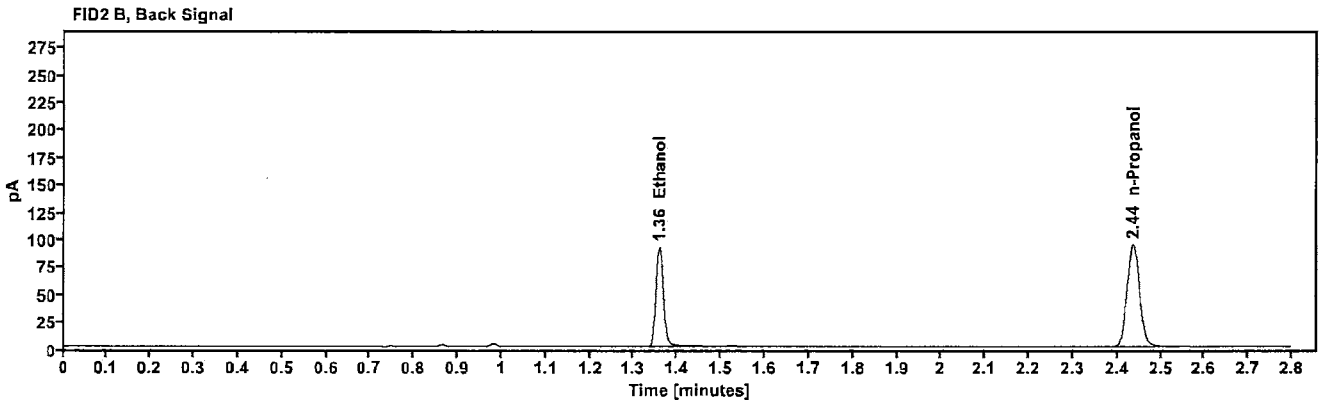
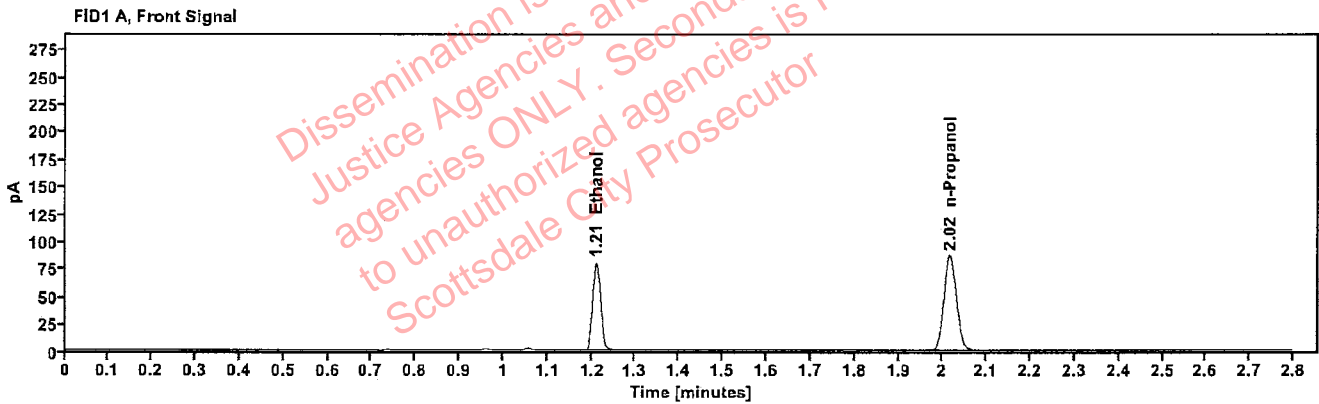


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1594	1.211	101.823
n-Propanol	---	2.016	171.527

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

Compound	Time (min)	Peak Area
Ethanol	1.358	110.769
n-Propanol	2.436	185.728

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306136-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 1:00:26 PM
Data file:	C:\Chem32\1\Data\28Mar23\32.D	Analyst:	Brooke

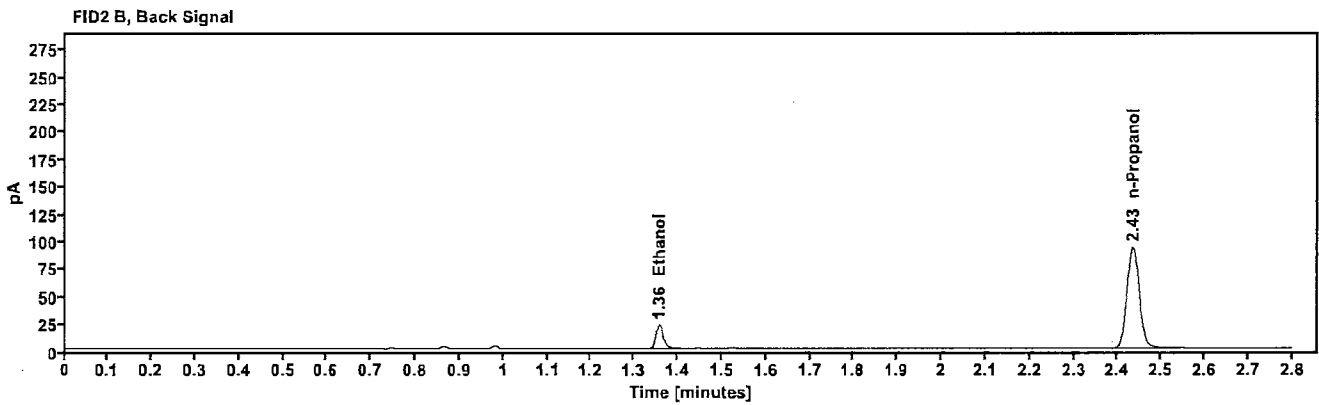
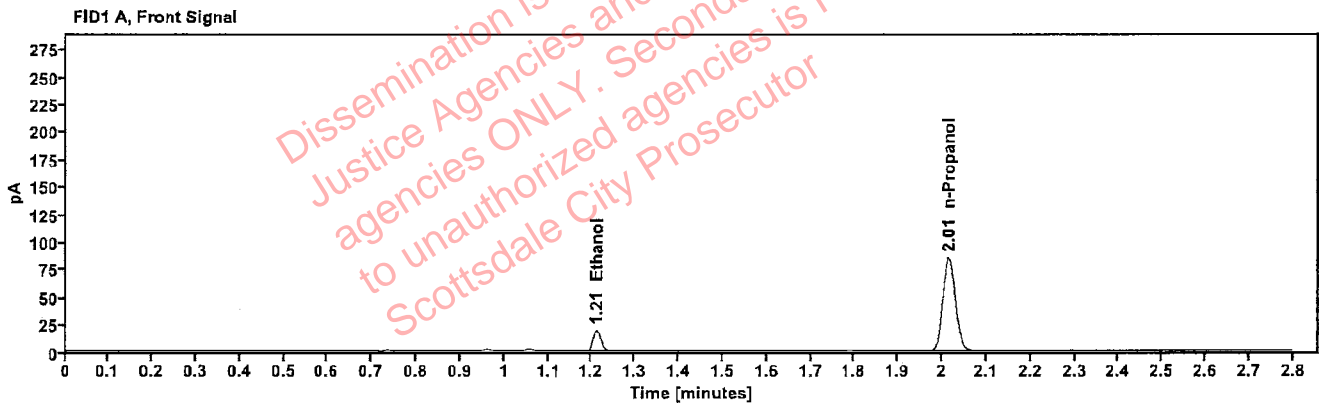


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0389	1.211	24.204
n-Propanol	---	2.015	168.956

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

Compound	Time (min)	Peak Area
Ethanol	1.358	26.617
n-Propanol	2.434	183.017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306136-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 1:04:25 PM
Data file:	C:\Chem32\1\Data\28Mar23\33.D	Analyst:	Brooke

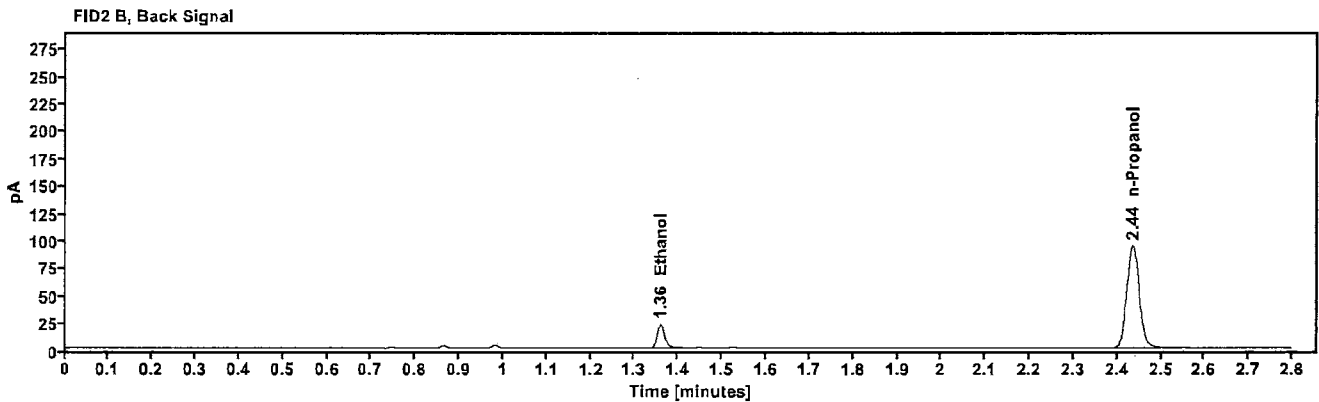
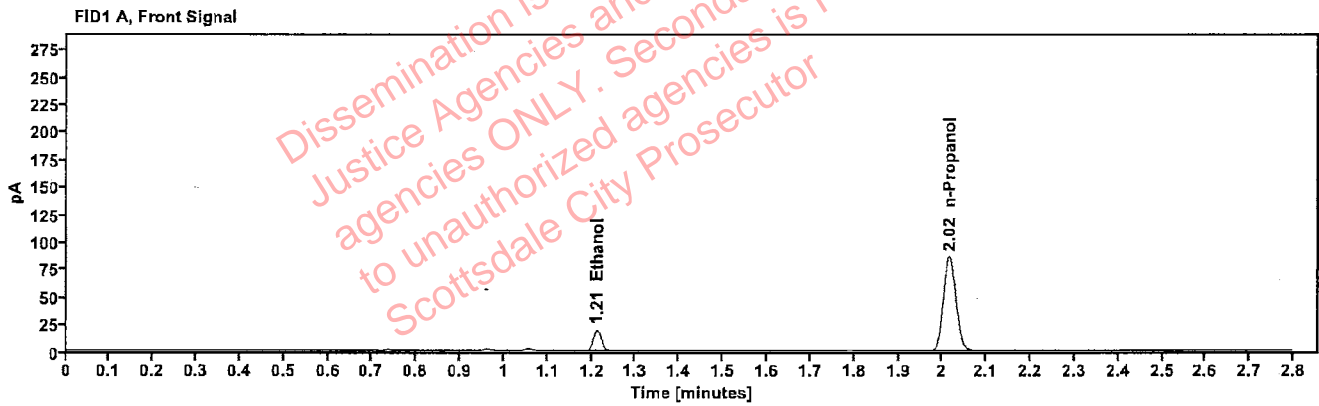


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0386	1.212	24.372
n-Propanol	-----	2.016	171.214

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

Compound	Time (min)	Peak Area
Ethanol	1.359	26.834
n-Propanol	2.436	185.587

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306247-3	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 1:08:26 PM
Data file:	C:\Chem32\1\Data\28Mar23\34.D	Analyst:	Brooke

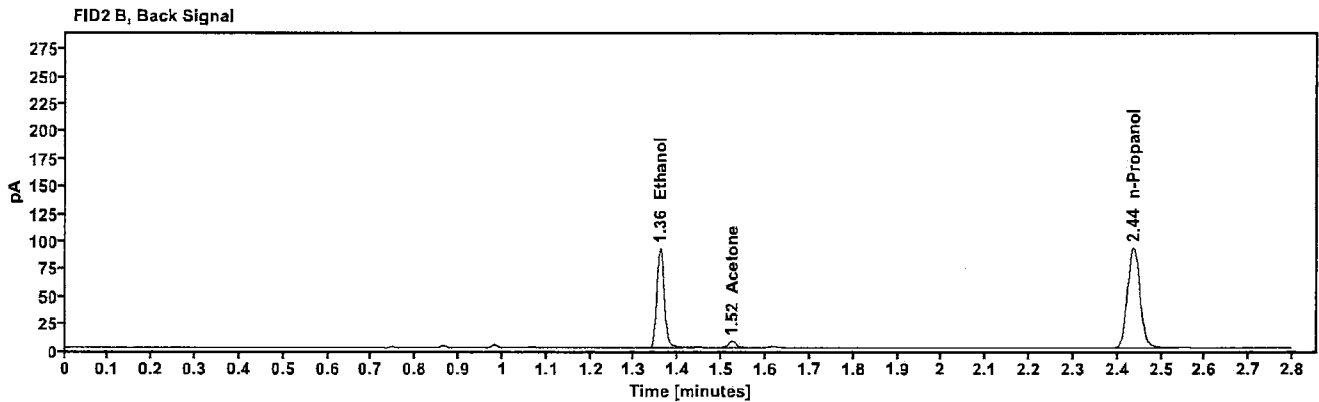
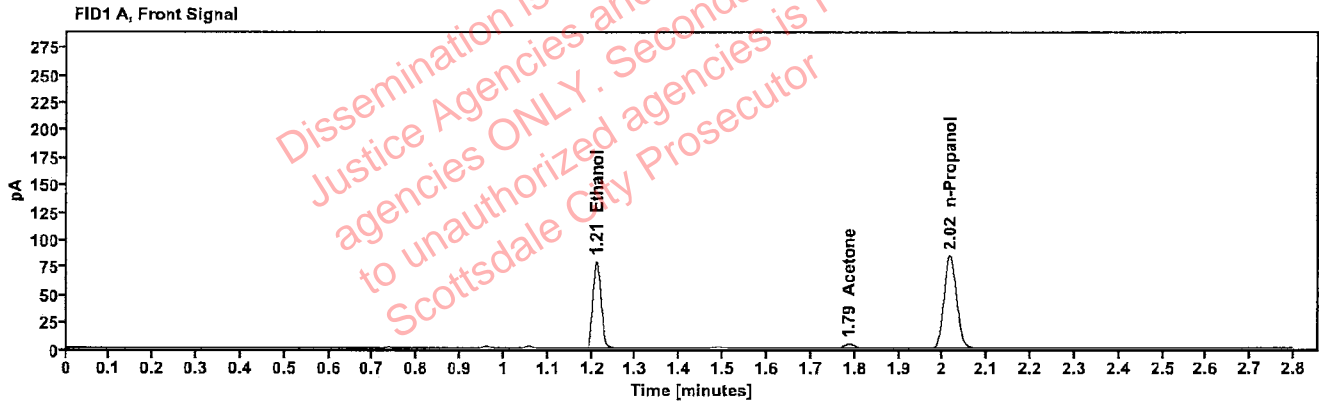


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1618	1.211	101.522
Acetone	-----	1.787	6.886
n-Propanol	-----	2.016	168.462

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

Compound	Time (min)	Peak Area
Ethanol	1.358	110.390
Acetone	1.523	7.457
n-Propanol	2.436	182.201

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2306247-3	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	28Mar23
Instrument:	US14173023 CN14160045	Injection date:	3/28/2023 1:12:26 PM
Data file:	C:\Chem32\1\Data\28Mar23\35.D	Analyst:	Brooke

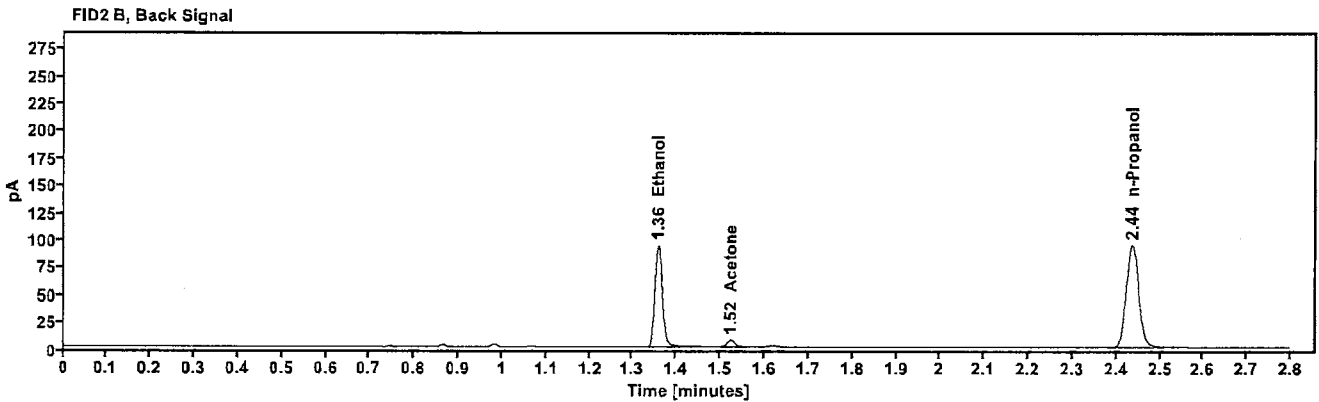
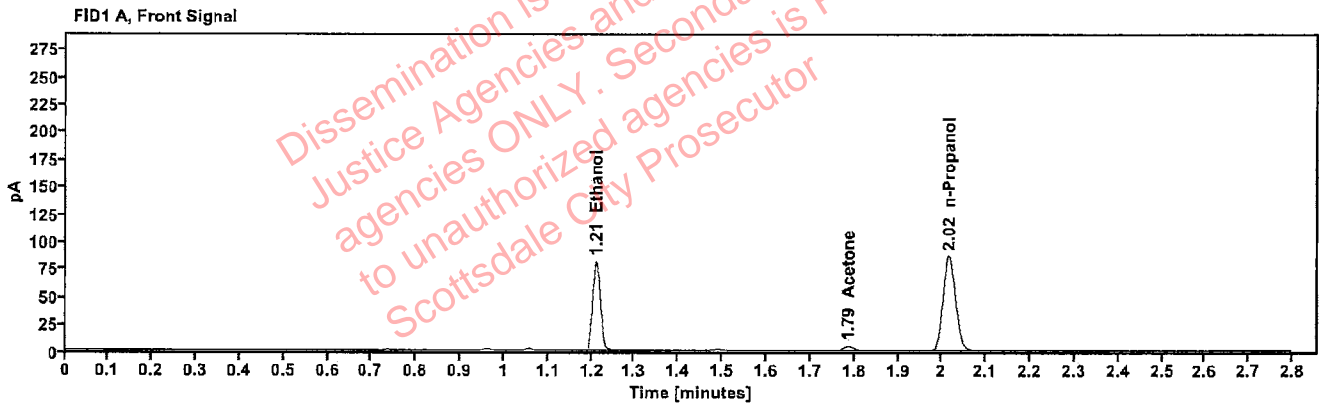


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1620	1.211	103.837
Acetone	-----	1.787	7.052
n-Propanol	-----	2.016	172.125

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

Compound	Time (min)	Peak Area
Ethanol	1.358	112.677
Acetone	1.523	7.604
n-Propanol	2.436	186.240