

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 8/23/22 SEQUENCE NAME 23Aug22

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 0.99990
 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 070622AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.407 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.206 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.084 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.042 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/8
45	Blank	Not detected	Not detected	SPD Lab 101921WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Philip Brooks Analyst
 Run valid Run invalid Shoni Abbott Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

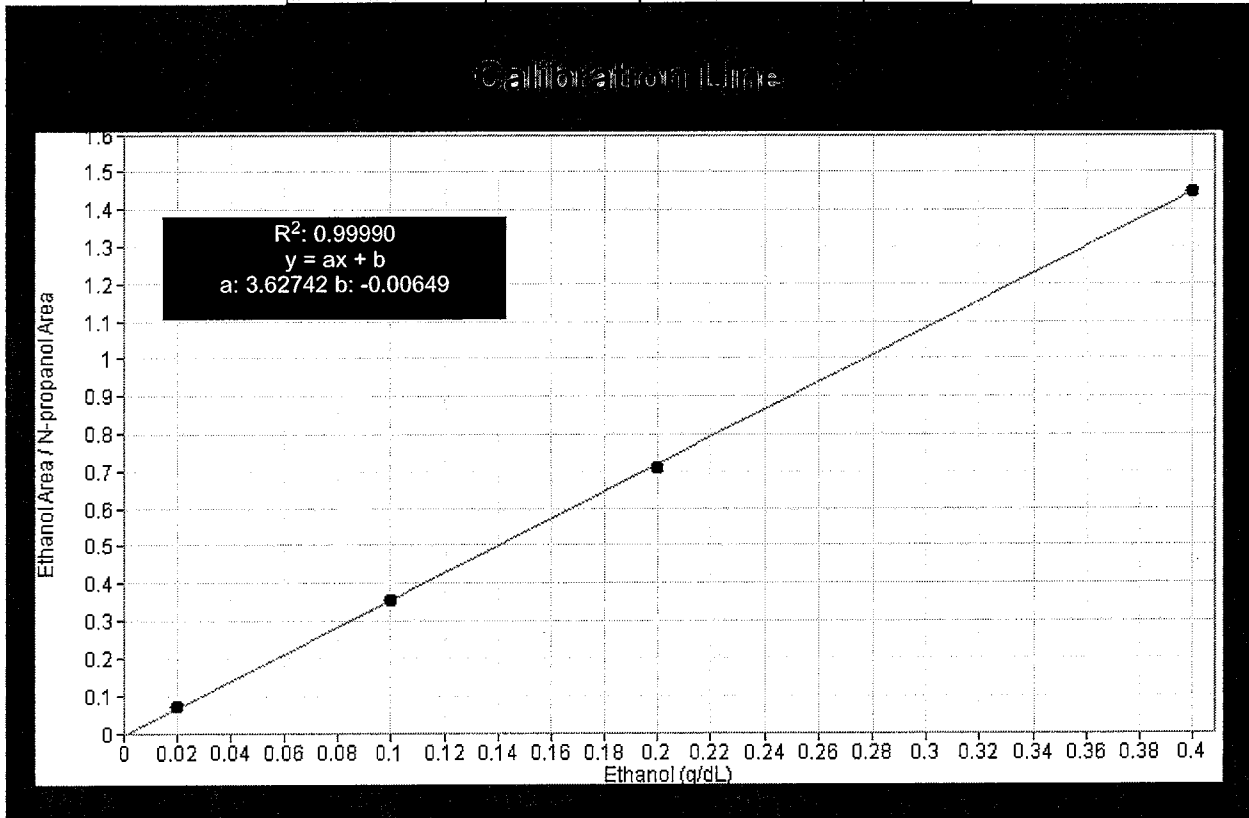
RB

SEQUENCE NAME: 23Aug22

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 070622AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.407	0.400	1.75	0.007
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/8	9	0.206	0.199	3.52	0.007
0.080 20012020-B	20	0.081	0.080	1.25	0.001
0.080 20012020-B	31	0.084	0.080	5.00	0.004
0.400 11092018-A	42	0.398	0.400	0.50	-0.002
0.040 14082019-B	43	0.042	0.040	5.00	0.002
0.199 4110320133/8	44	0.203	0.199	2.01	0.004
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.361	162.761	0.070
0.100	58.299	163.207	0.357
0.200	112.672	158.592	0.711
0.400	234.953	162.224	1.448



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1
Description: 0.020 calibrator	Sequence: 23Aug22
Method: ethanol quant.M	Injection date: 8/23/2022 6:05:35 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\23Aug22\1.D	

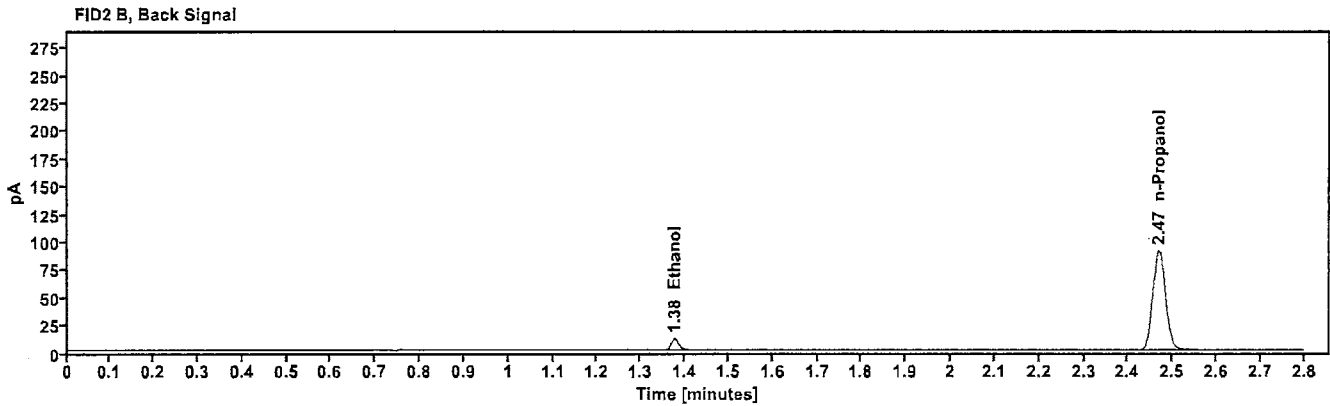
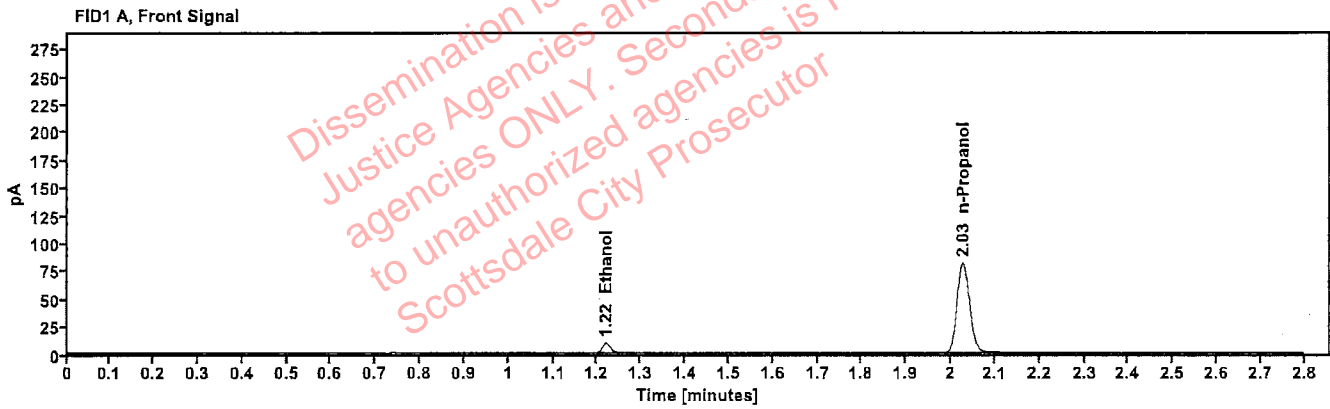


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.219	11.361
n-Propanol	2.028	162.761

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

Compound	Time (min)	Peak Area
Ethanol	1.376	12.531
n-Propanol	2.469	179.256

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	23Aug22 70
Method:	ethanol quant.M	Injection date:	8/23/2022 6:09:35 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\1\Data\23Aug22\2.D		

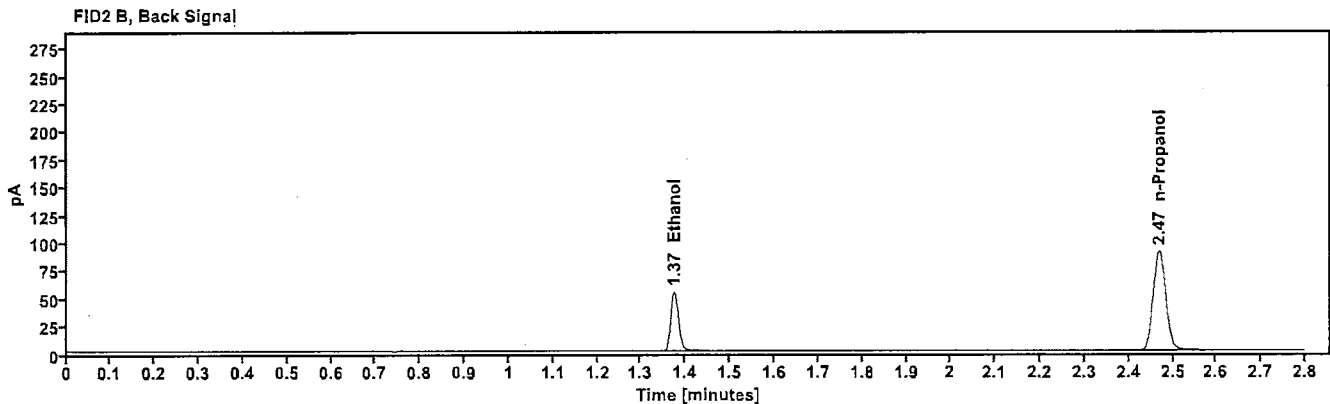
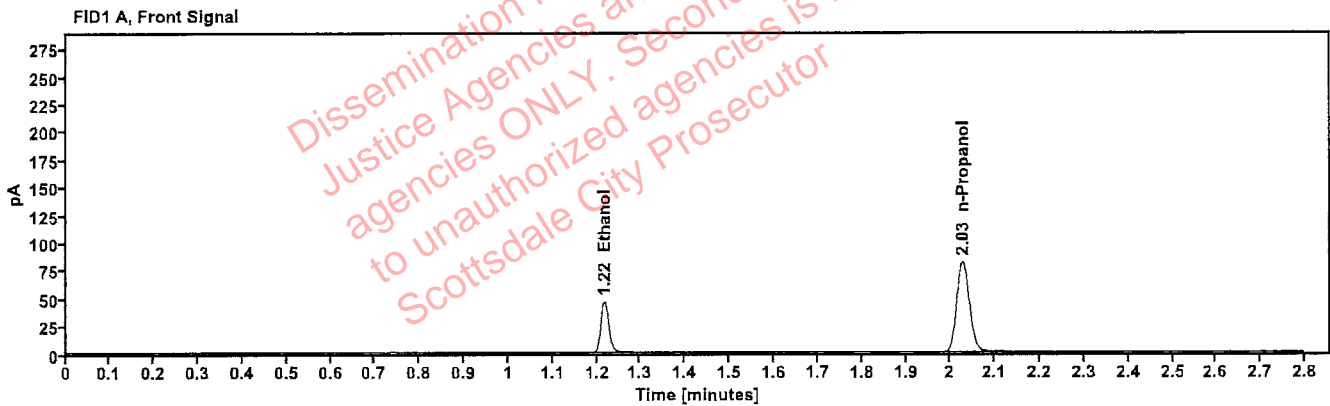


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.217	58.299
n-Propanol	2.028	163.207

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

Compound	Time (min)	Peak Area
Ethanol	1.375	64.550
n-Propanol	2.469	179.569

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN02052101	Vial:	3
Description:	0.200 calibrator	Sequence:	23Aug22
Method:	ethanol quant.M	Injection date:	8/23/2022 6:13:35 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke PB
Data file:	C:\Chem32\1\Data\23Aug22\3.D		

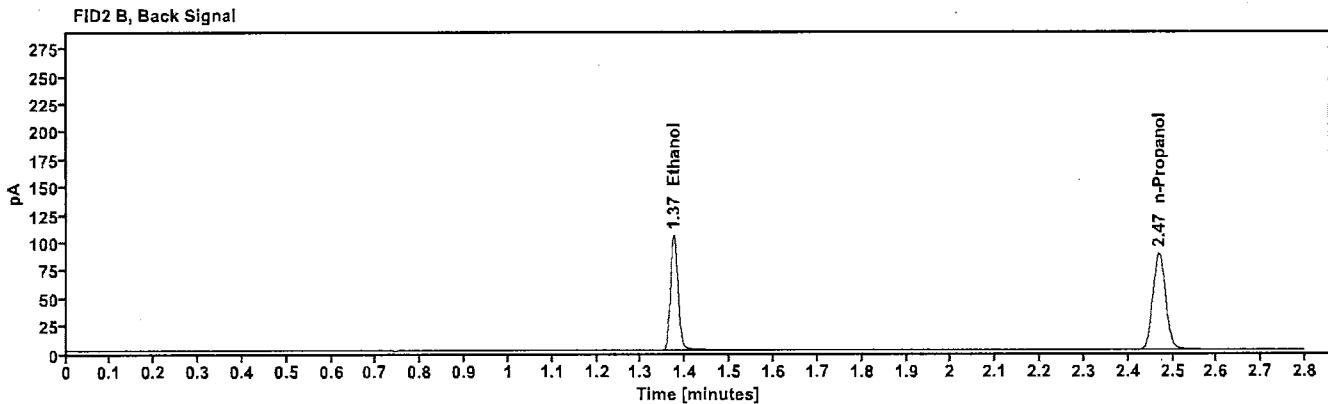
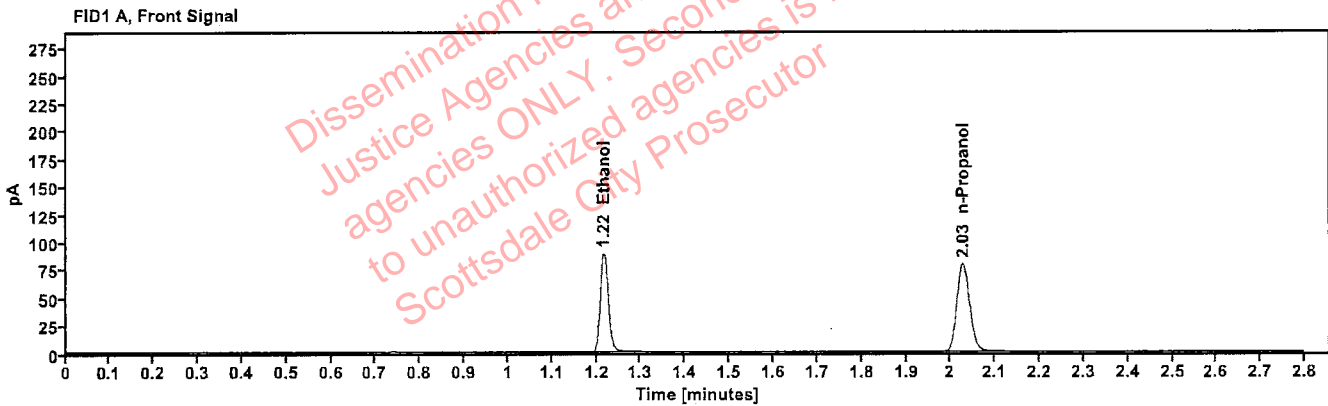


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.216	112.672
n-Propanol	2.027	158.592

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

Compound	Time (min)	Peak Area
Ethanol	1.374	124.898
n-Propanol	2.469	174.349

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	23Aug22
Method:	ethanol quant.M	Injection date:	8/23/2022 6:17:35 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke no
Data file:	C:\Chem32\1\Data\23Aug22\4.D		

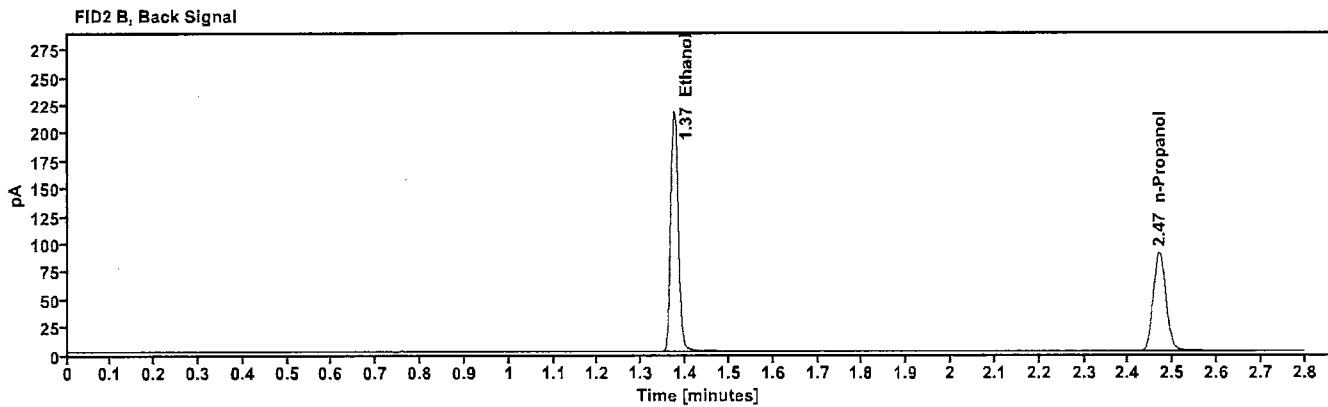
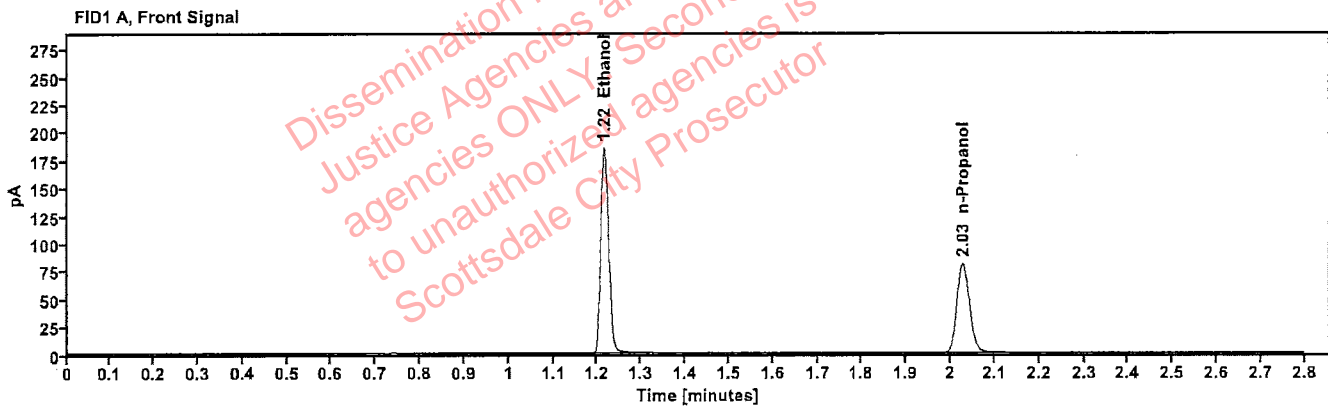


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.216	234.953
n-Propanol	2.028	162.224

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

Compound	Time (min)	Peak Area
Ethanol	1.374	260.969
n-Propanol	2.469	178.423

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	070622AQ	Vial:	5	
Description:	Negative	LIMS ID:		188
Method:	ethanol quant.M	Sequence:	23Aug22	
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:21:41 PM	
Data file:	C:\Chem32\1\Data\23Aug22\5.D	Analyst:	Brooke	

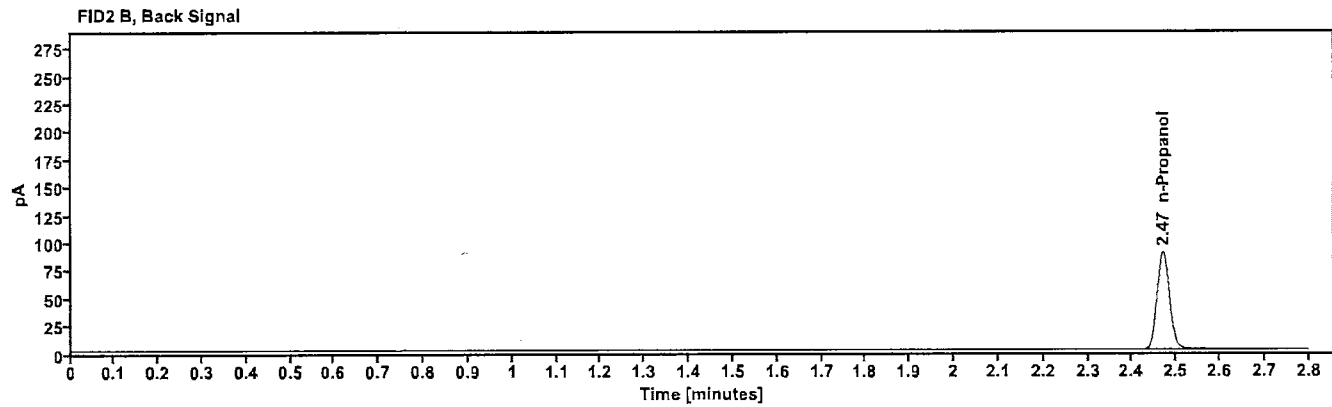
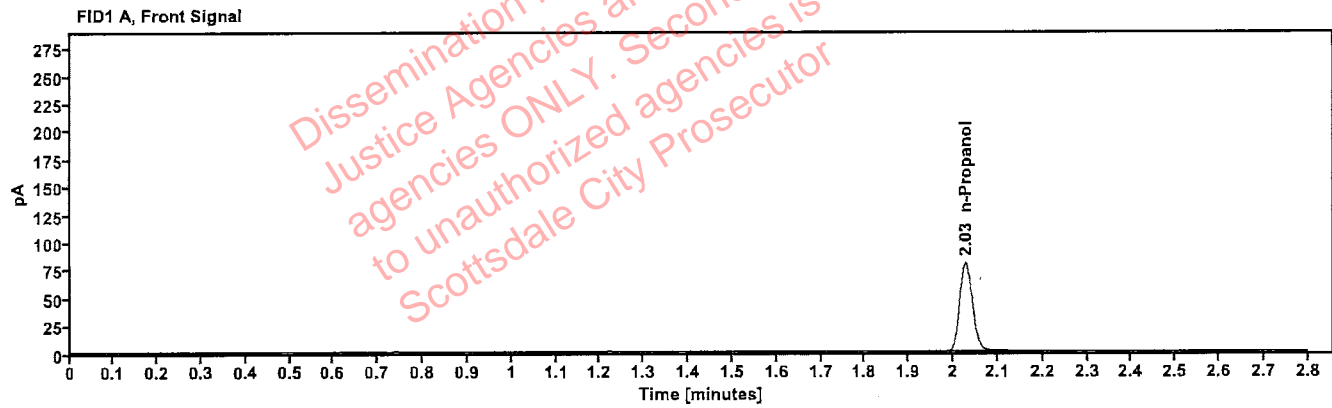


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.028	160.636

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	176.660

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	7B
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:25:41 PM
Data file:	C:\Chem32\1\Data\23Aug22\6.D	Analyst:	Brooke

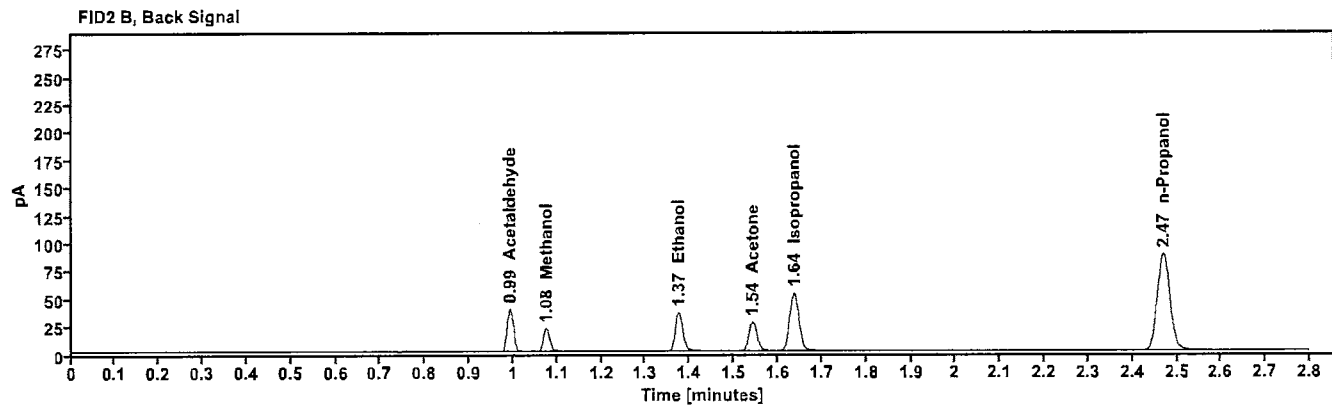
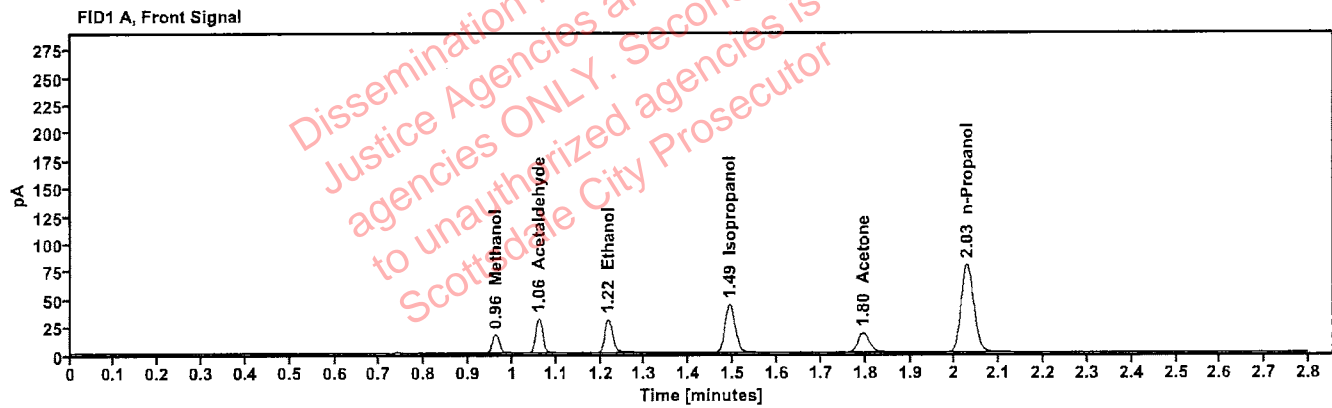


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.962	19.054
Acetaldehyde	-----	1.061	34.534
>Ethanol	0.0682	1.217	38.368
Isopropanol	-----	1.492	70.215
Acetone	-----	1.795	30.962
n-Propanol	-----	2.028	159.377

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	38.822
Methanol	1.075	21.344
Ethanol	1.375	42.499
Acetone	1.542	34.250
Isopropanol	1.637	78.395
n-Propanol	2.469	175.189

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID: YB
Method: ethanol quant.M	Sequence: 23Aug22
Instrument: US14173023 CN14160045	Injection date: 8/23/2022 6:29:51 PM
Data file: C:\Chem32\1\Data\23Aug22\7.D	Analyst: Brooke

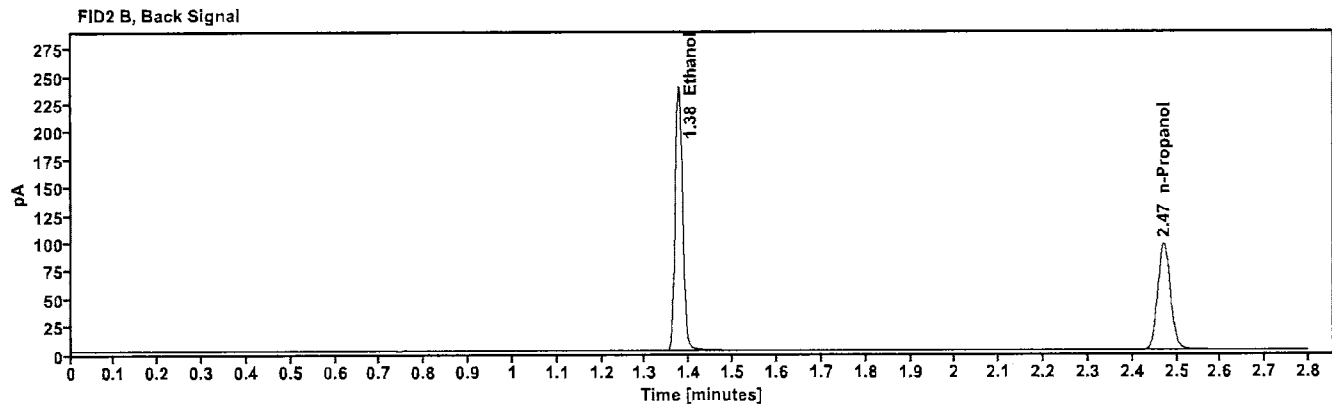
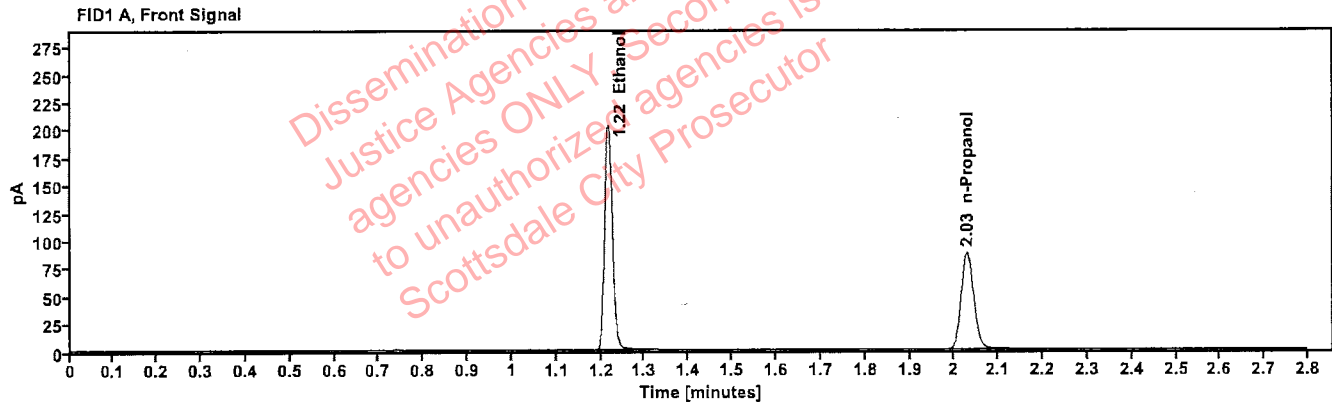


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4073	1.216	257.029
n-Propanol	-----	2.029	174.737

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

Compound	Time (min)	Peak Area
Ethanol	1.375	285.479
n-Propanol	2.471	192.113

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	70
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:33:51 PM
Data file:	C:\Chem32\1\Data\23Aug22\8.D	Analyst:	Brooke

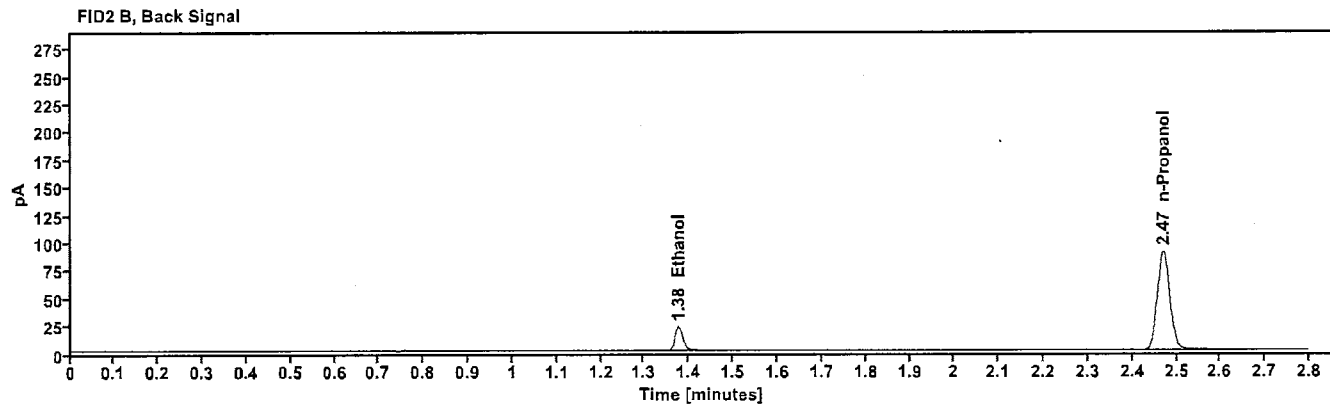
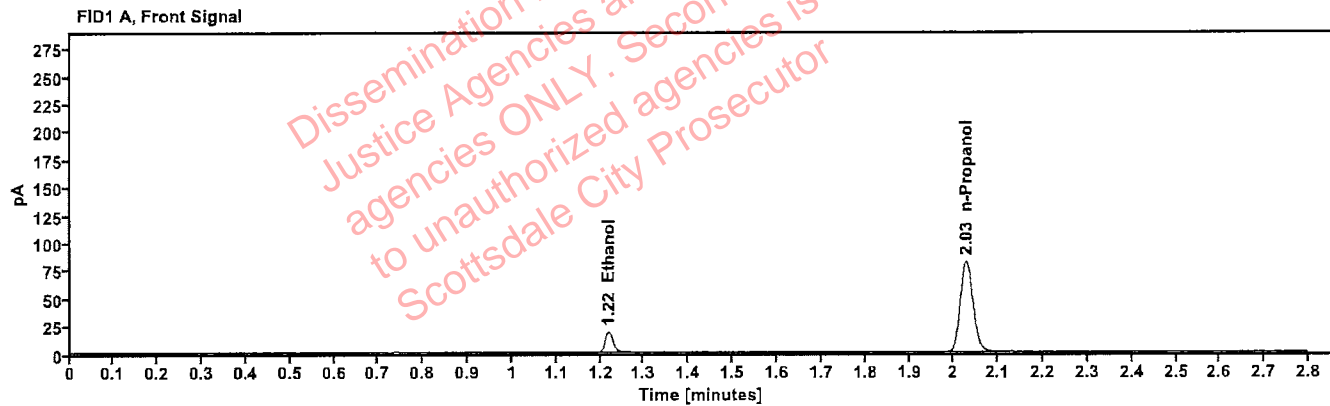


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0418	1.218	23.729
n-Propanol	-----	2.028	163.367

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

Compound	Time (min)	Peak Area
Ethanol	1.376	26.115
n-Propanol	2.470	179.400

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	Vial:	9
Description:	0.199	LIMS ID:	RB
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:37:50 PM
Data file:	C:\Chem32\1\Data\23Aug22\9.D	Analyst:	Brooke

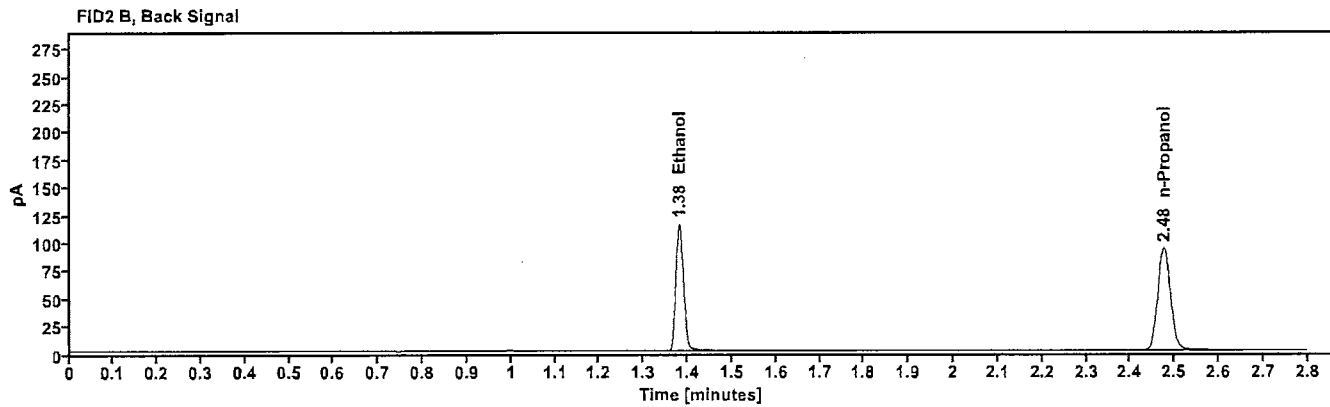
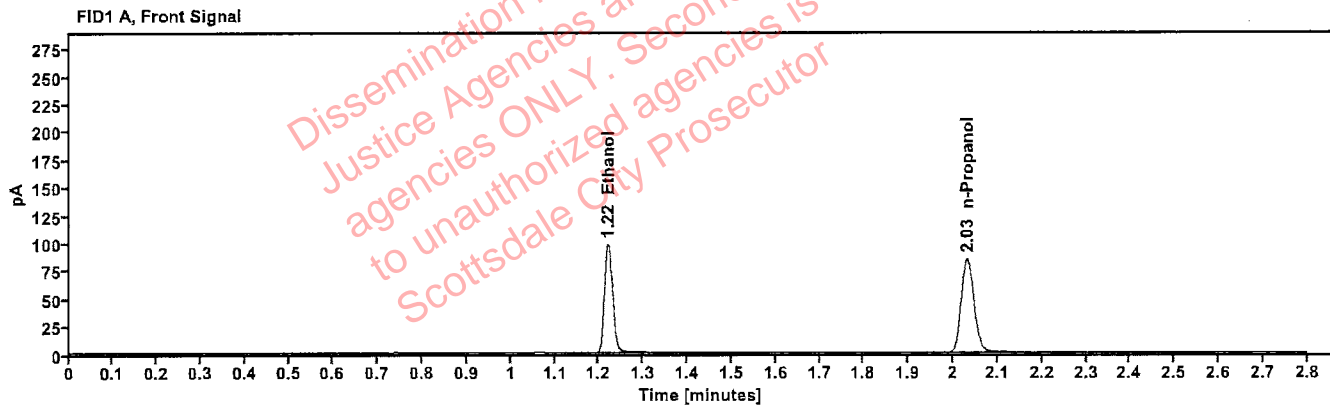


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2065	1.220	126.169
n-Propanol	---	2.032	169.874

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

Compound	Time (min)	Peak Area
Ethanol	1.381	139.902
n-Propanol	2.476	186.814

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	1RB
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:22:20 PM
Data file:	C:\Chem32\1\Data\23Aug22\20.D	Analyst:	Brooke

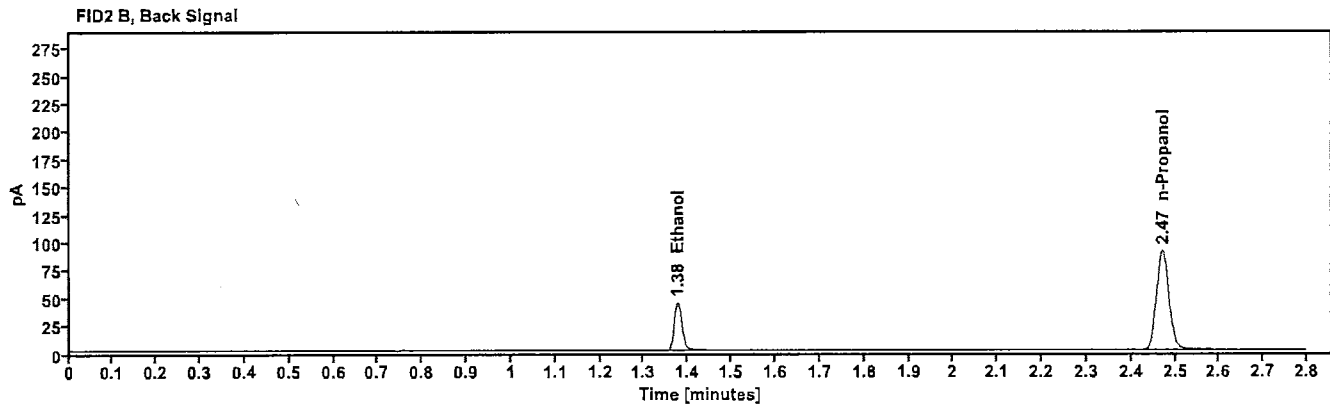
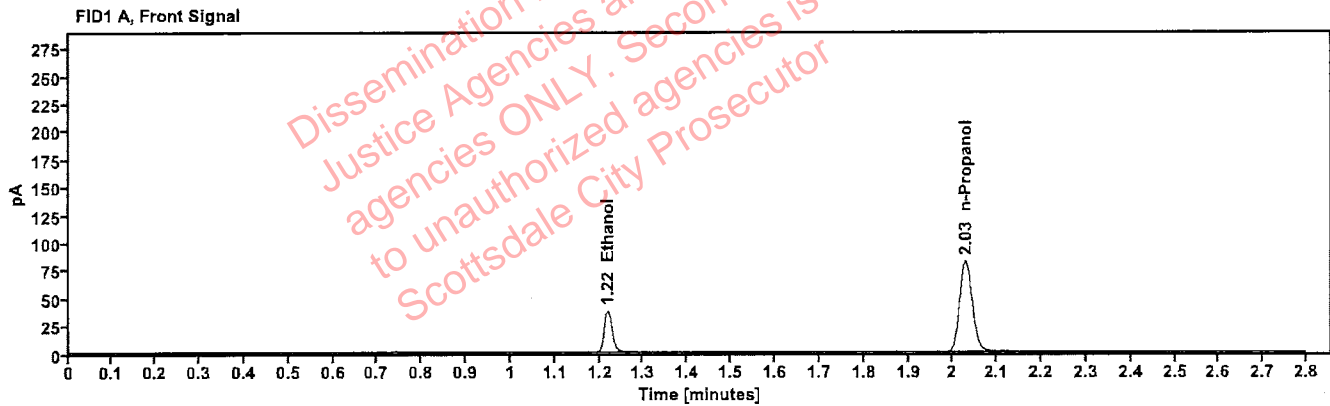


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0818	1.218	47.609
n-Propanol	—	2.029	164.047

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

Compound	Time (min)	Peak Area
Ethanol	1.377	52.700
n-Propanol	2.471	180.185

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	198
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:06:51 PM
Data file:	C:\Chem32\1\Data\23Aug22\31.D	Analyst:	Brooke

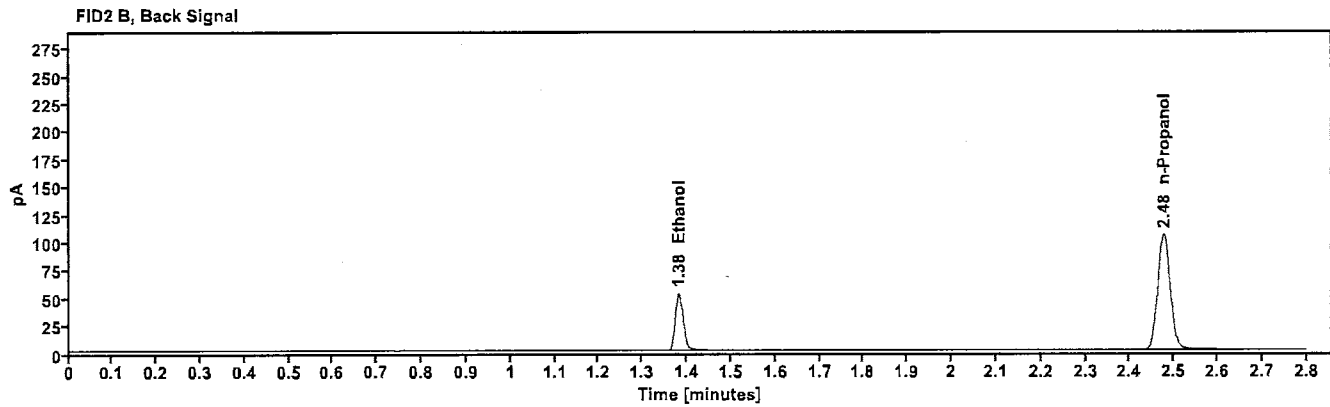
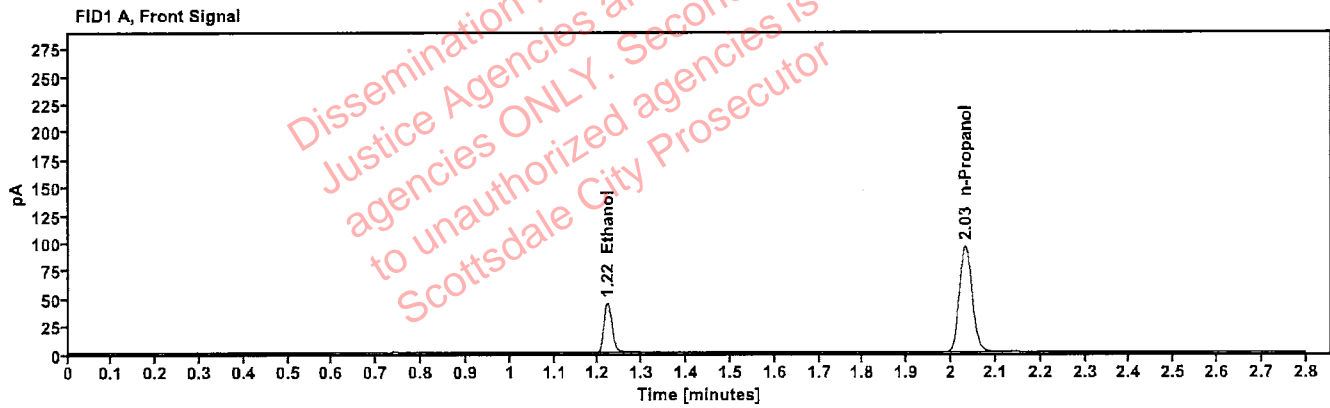


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0845	1.221	57.466
n-Propanol	-----	2.032	191.451

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

Compound	Time (min)	Peak Area
Ethanol	1.382	63.491
n-Propanol	2.476	210.334

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:51:11 PM
Data file:	C:\Chem32\1\Data\23Aug22\42.D	Analyst:	Brooke

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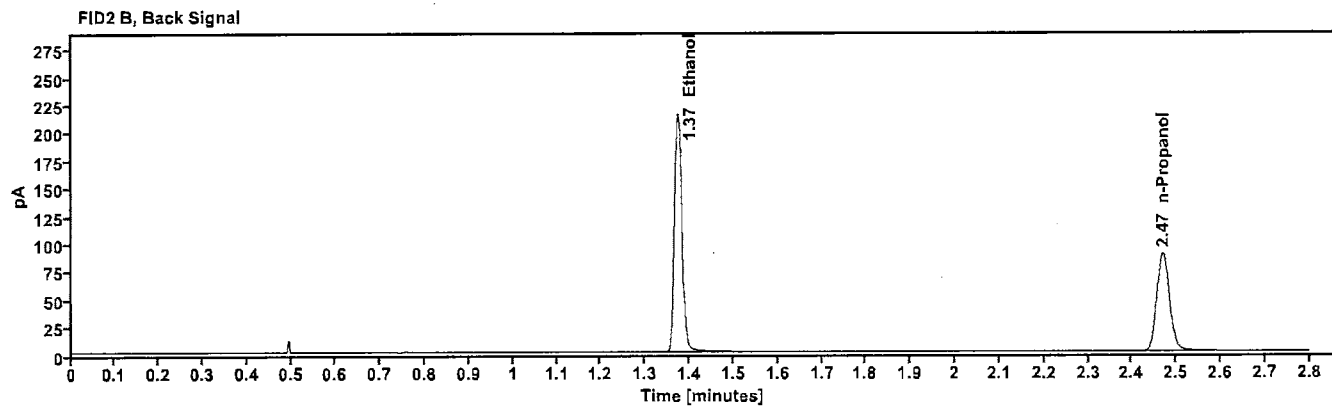
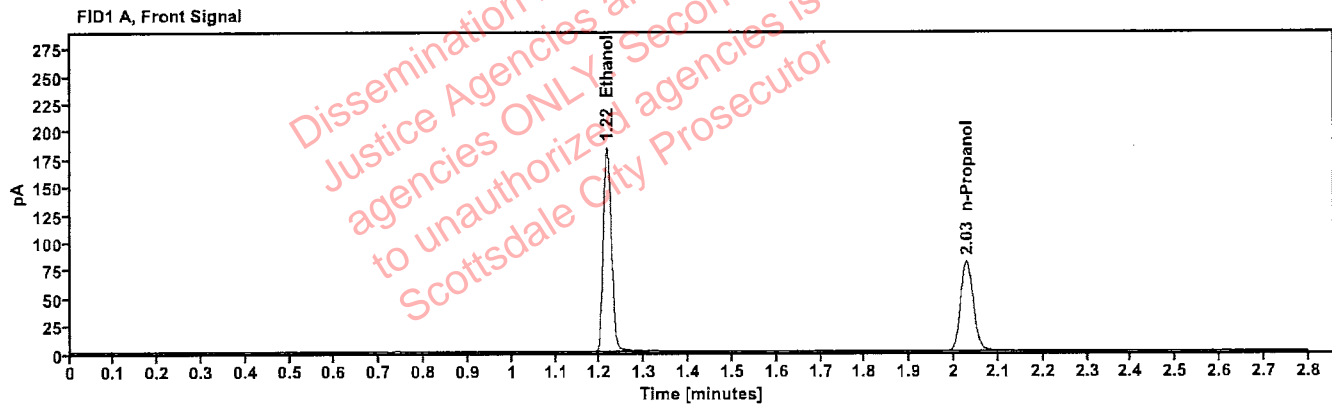


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3986	1.216	233.260
n-Propanol	----	2.028	162.039

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

Compound	Time (min)	Peak Area
Ethanol	1.374	258.952
n-Propanol	2.470	177.958

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	798
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:55:21 PM
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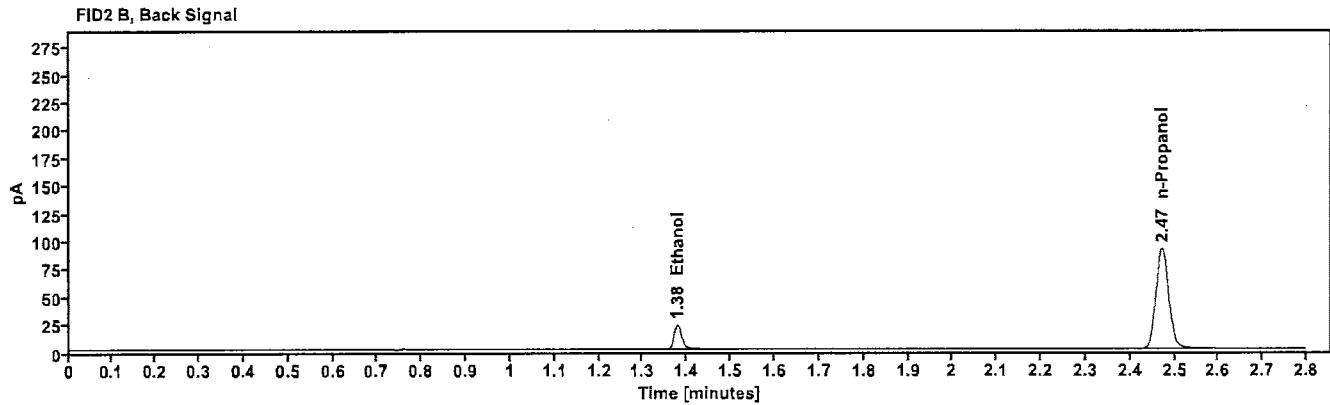
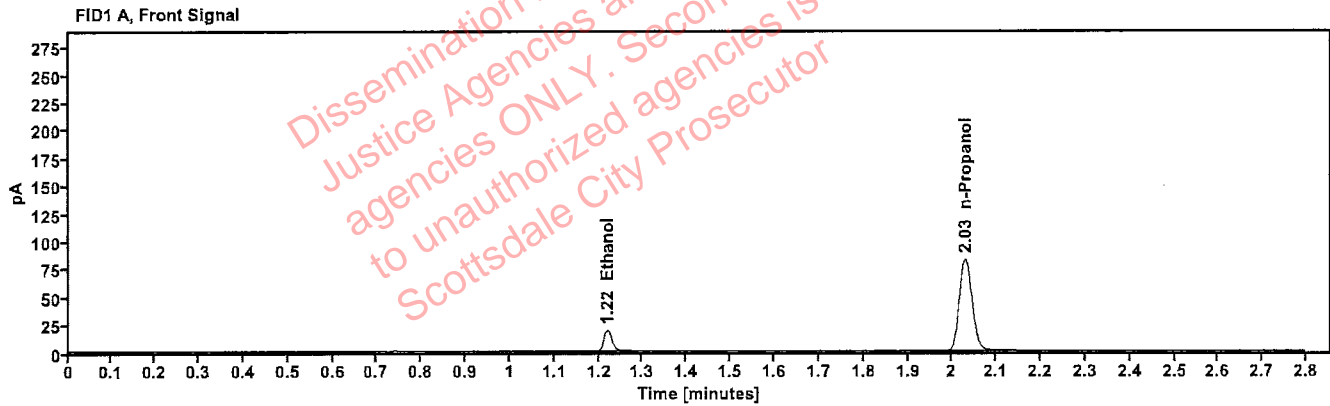


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0423	1.220	24.421
n-Propanol	-----	2.030	166.030

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

Compound	Time (min)	Peak Area
Ethanol	1.378	27.027
n-Propanol	2.472	182.230

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	Vial:	44	
Description:	0.199	LIMS ID:		RB
Method:	ethanol quant.M	Sequence:	23Aug22	
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:59:20 PM	
Data file:	C:\Chem32\1\Data\23Aug22\44.D	Analyst:	Brooke	

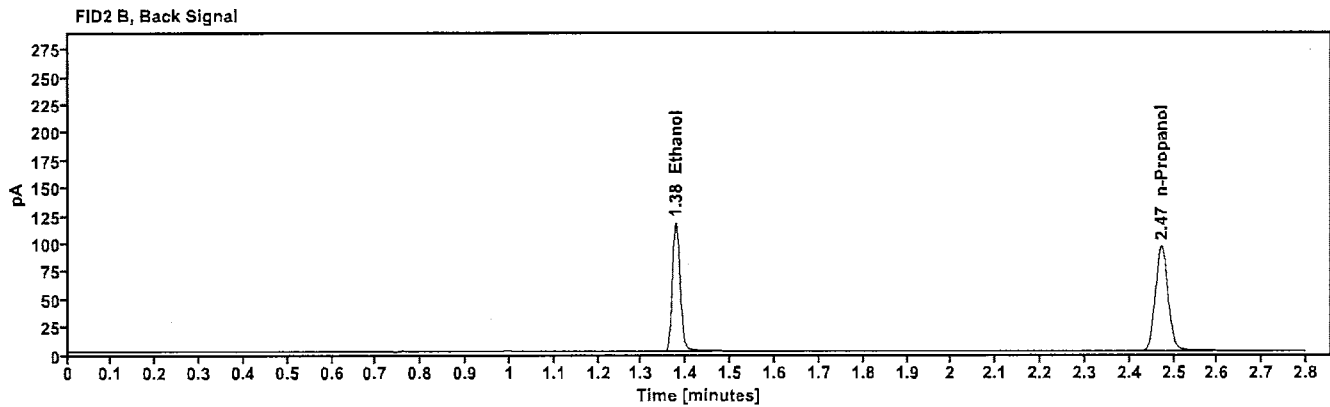
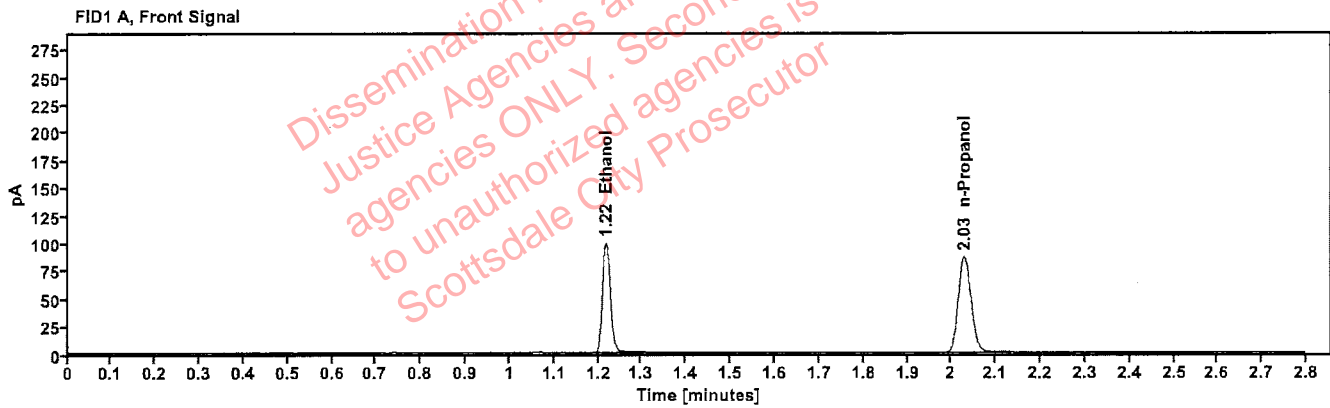


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2034	1.218	126.725
n-Propanol	-----	2.029	173.309

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

Compound	Time (min)	Peak Area
Ethanol	1.377	140.247
n-Propanol	2.472	190.333

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	783
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 9:03:20 PM
Data file:	C:\Chem32\1\Data\23Aug22\45.D	Analyst:	Brooke

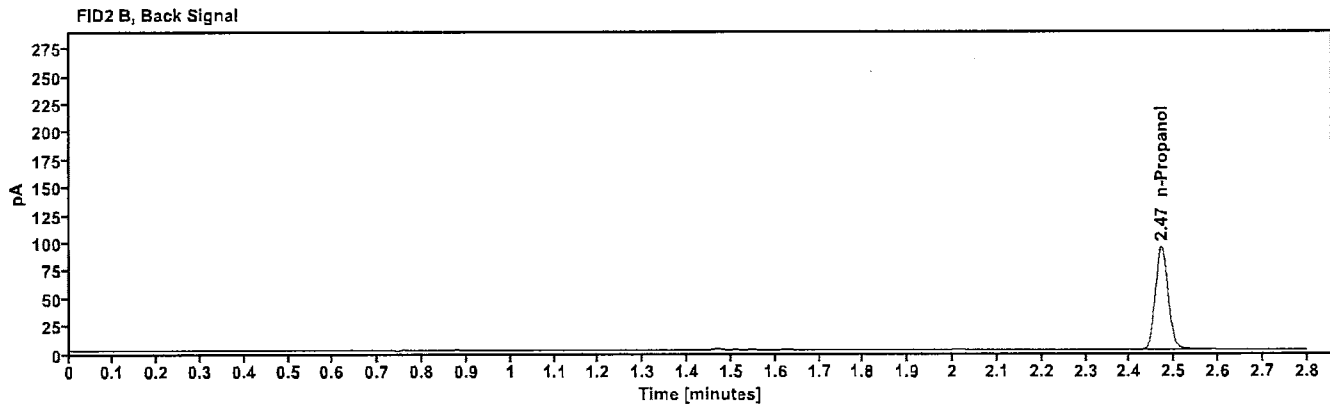
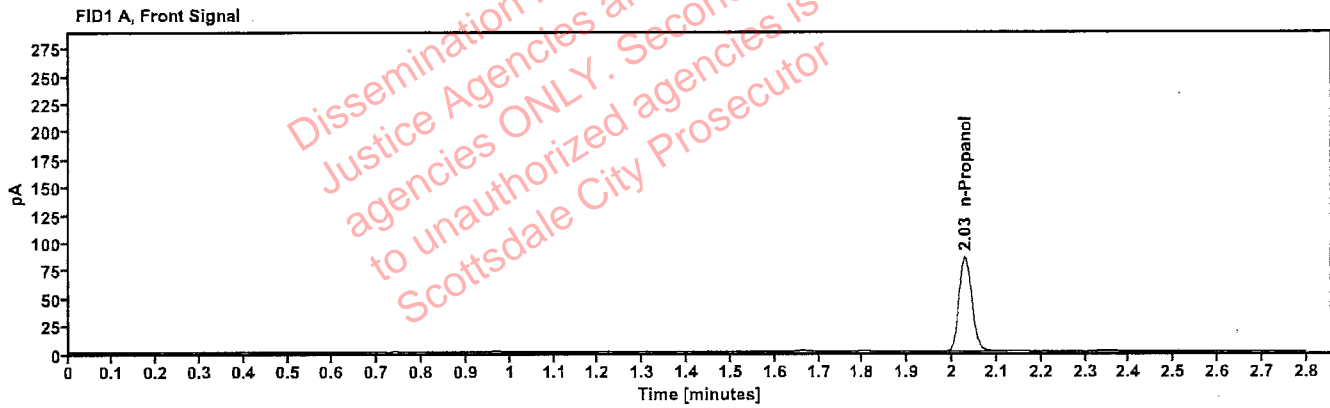


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.029	170.158

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	187.386

Sequence Summary

Sequence name: 23Aug22 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	070622AQ	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/8	0.199	Control		ethanol quant.M
10	40501RC		Sample		ethanol quant.M
11	40501RC		Sample		ethanol quant.M
12	41001ES		Sample		ethanol quant.M
13	41001ES		Sample		ethanol quant.M
14	35301MD		Sample		ethanol quant.M
15	35301MD		Sample		ethanol quant.M
16	1433387		Sample		ethanol quant.M
17	1433387		Sample		ethanol quant.M
18	1433976		Sample		ethanol quant.M
19	1433976		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1434046		Sample		ethanol quant.M
22	1434046		Sample		ethanol quant.M
23	1434070		Sample		ethanol quant.M
24	1434070		Sample		ethanol quant.M
25	1434054		Sample		ethanol quant.M
26	1434054		Sample		ethanol quant.M
27	1434051		Sample		ethanol quant.M
28	1434051		Sample		ethanol quant.M
29	1432530		Sample		ethanol quant.M
30	1432530		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1434291		Sample		ethanol quant.M
33	1434291		Sample		ethanol quant.M
34	1434116		Sample		ethanol quant.M
35	1434116		Sample		ethanol quant.M
36	1434296		Sample		ethanol quant.M
37	1434296		Sample		ethanol quant.M
38	1413891		Sample		ethanol quant.M
39	1413891		Sample		ethanol quant.M
40	1434600		Sample		ethanol quant.M
41	1434600		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/8	0.199	Control		ethanol quant.M
45	101921WB	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases

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SEQUENCE NAME: 23Aug22

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1359	0.1334	0.13465	0.93	0.00125
12 13	0.1570	0.1528	0.15490	1.36	0.00210
14 15	0.0932	0.0961	0.09465	1.53	0.00145
16 17	0.2182	0.2119	0.21505	1.46	0.00315
18 19	0.2544	0.2544	0.25440	0.00	0.00000
21 22	0.1682	0.1705	0.16935	0.68	0.00115
23 24	0.2131	0.2126	0.21285	0.12	0.00025
25 26	0.1415	0.1420	0.14175	0.18	0.00025
27 28	0.1820	0.1777	0.17985	1.20	0.00215
29 30	0.1599	0.1610	0.16045	0.34	0.00055
32 33	0.1394	0.1407	0.14005	0.46	0.00065
34 35	0.1447	0.1435	0.14410	0.42	0.00060
36 37	0.1423	0.1436	0.14295	0.45	0.00065
38 39	0.1083	0.1069	0.10760	0.65	0.00070
40 41	0.3107	0.3108	0.31075	0.02	0.00005

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

[REDACTED] : Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501RC	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:41:50 PM
Data file:	C:\Chem32\1\Data\23Aug22\10.D	Analyst:	Brooke

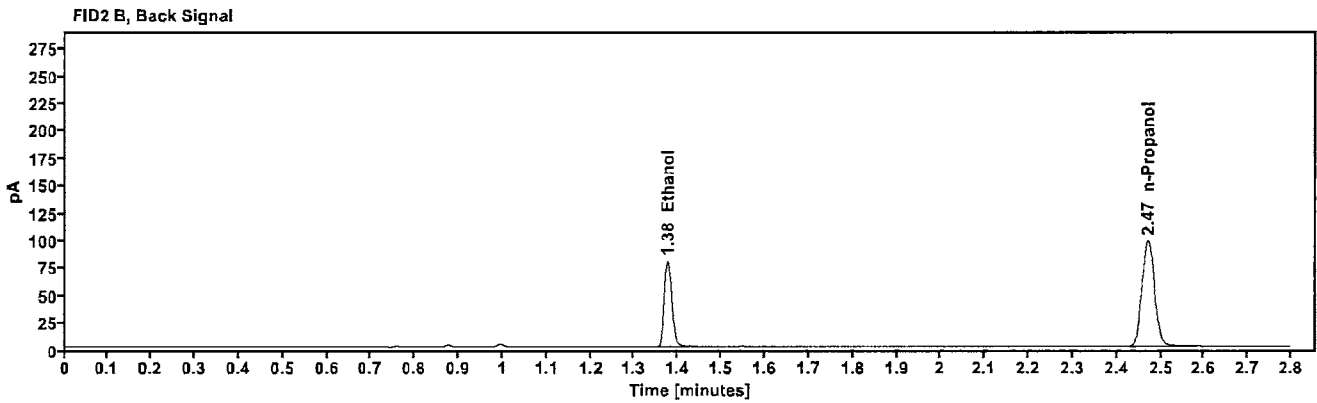
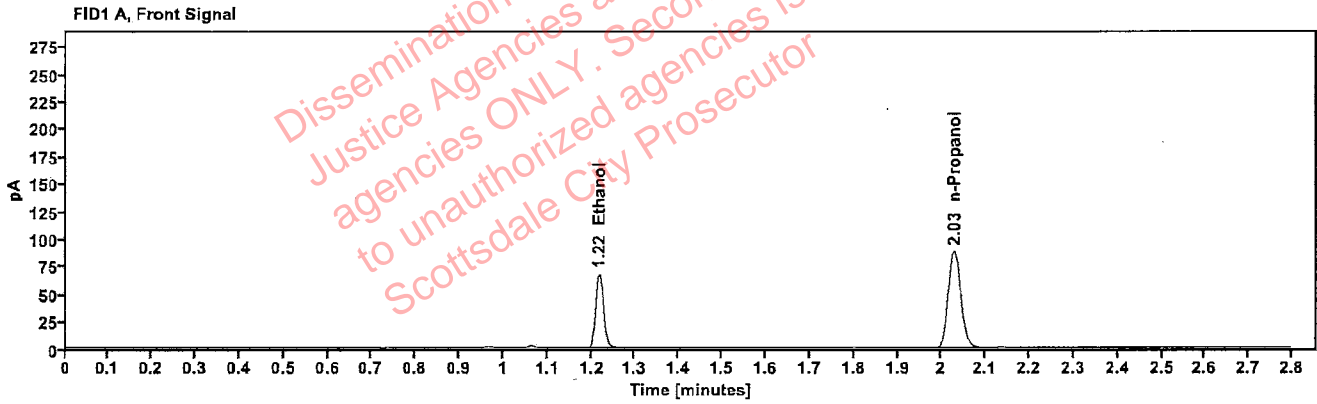


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1359	1.217	85.711
n-Propanol	-----	2.029	176.227

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

Compound	Time (min)	Peak Area
Ethanol	1.376	94.937
n-Propanol	2.471	193.776

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501RC	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:45:56 PM
Data file:	C:\Chem32\11\Data\23Aug22\11.D	Analyst:	Brooke

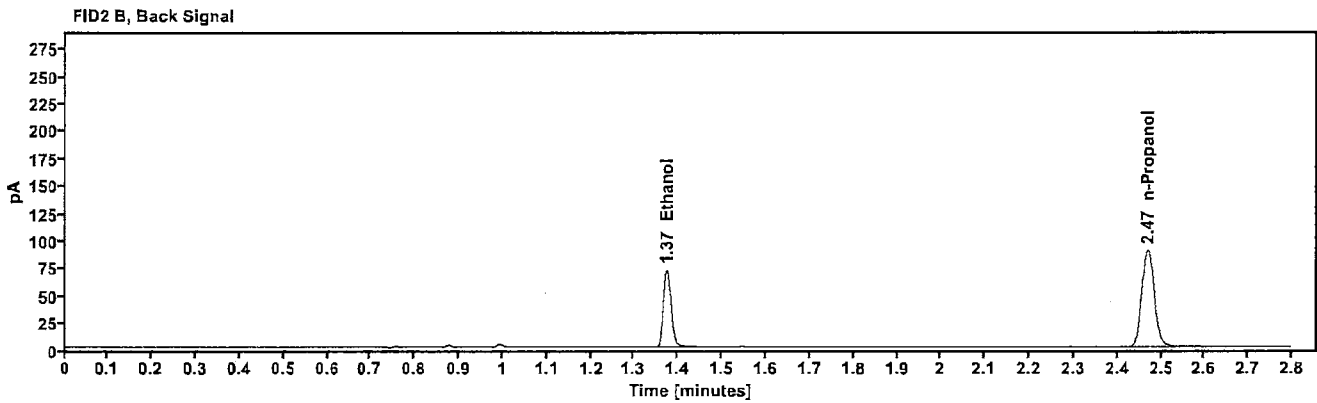
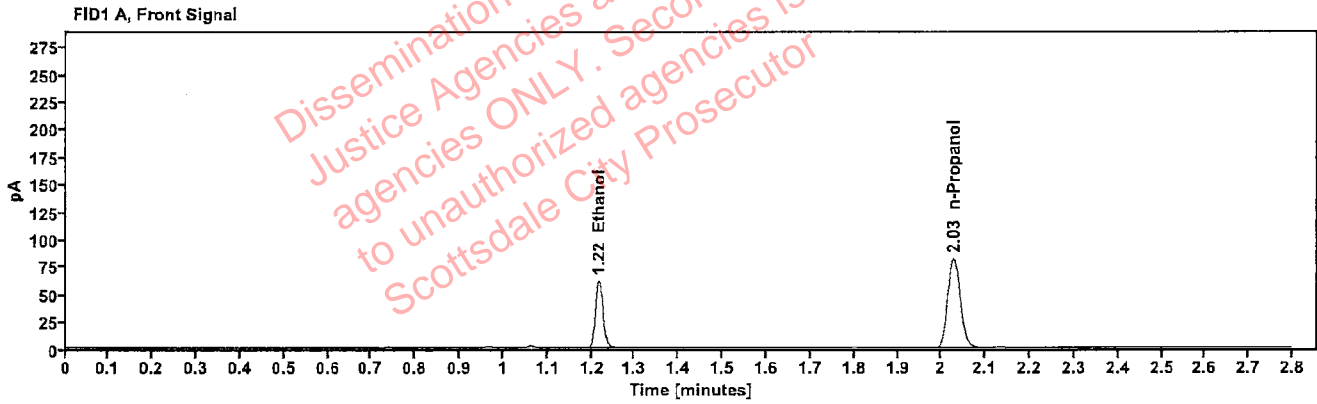


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1334	1.217	77.695
n-Propanol	-----	2.028	162.744

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

Compound	Time (min)	Peak Area
Ethanol	1.374	85.849
n-Propanol	2.469	178.714

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	41001ES	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:49:56 PM
Data file:	C:\Chem32\1\Data\23Aug22\12.D	Analyst:	Brooke

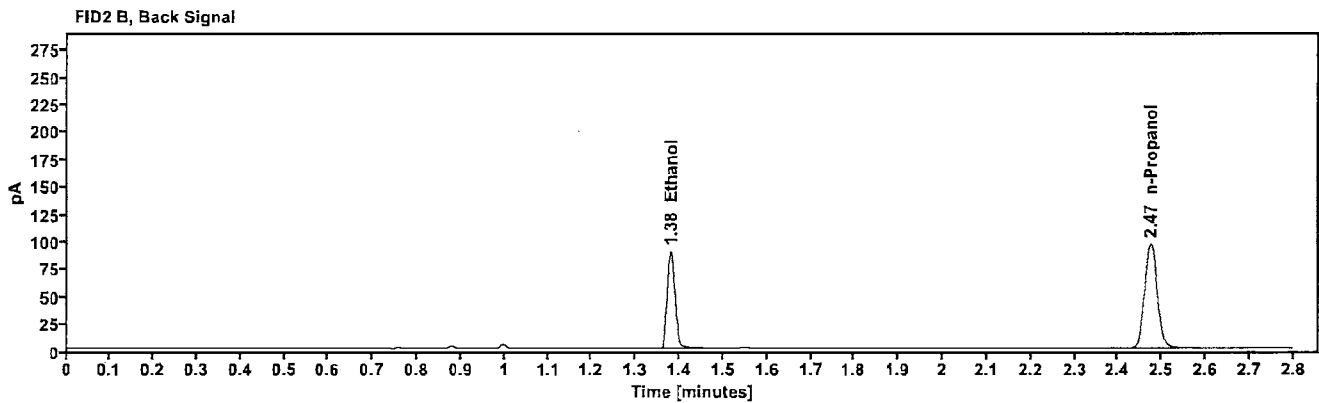
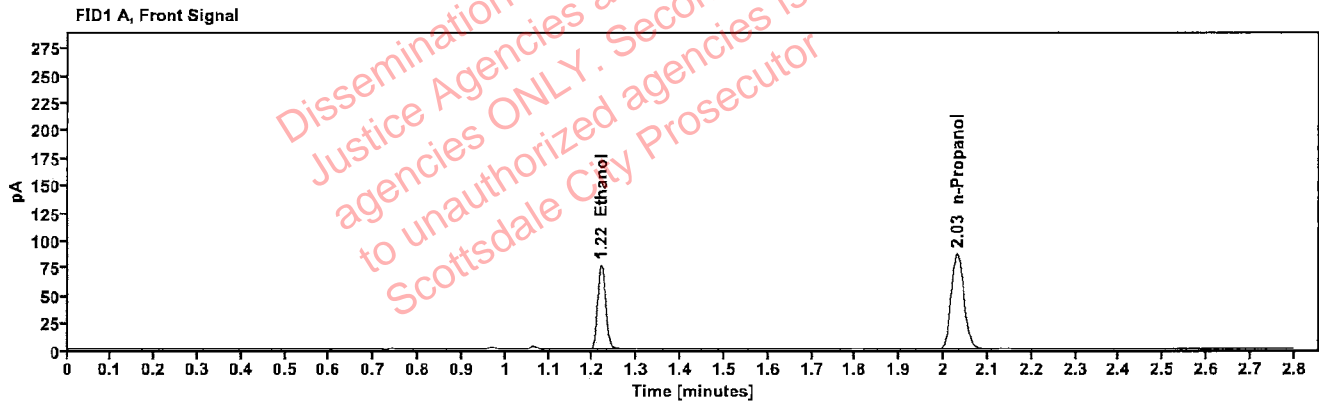


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1570	1.219	98.210
n-Propanol	-----	2.031	174.397

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

Compound	Time (min)	Peak Area
Ethanol	1.379	108.551
n-Propanol	2.474	191.741

[REDACTED]: Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	41001ES	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:54:05 PM
Data file:	C:\Chem32\1\Data\23Aug22\13.D	Analyst:	Brooke

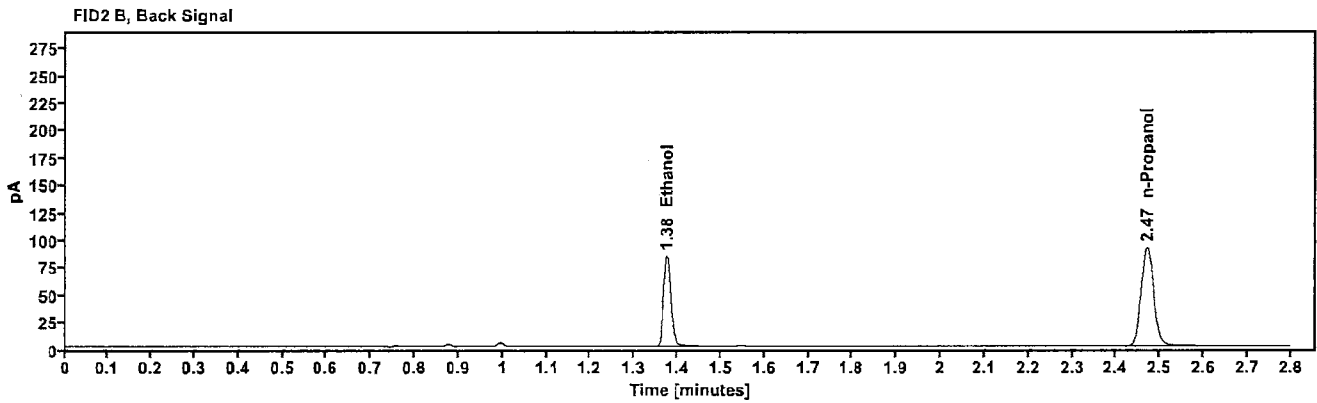
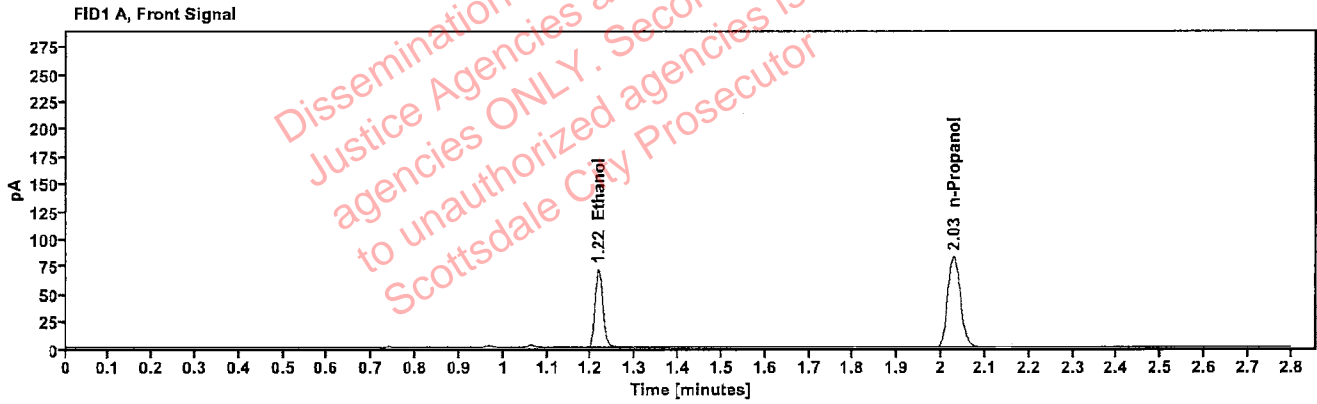


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1528	1.217	90.765
n-Propanol	-----	2.028	165.667

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

Compound	Time (min)	Peak Area
Ethanol	1.375	100.395
n-Propanol	2.470	182.199

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35301MD	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 6:58:05 PM
Data file:	C:\Chem32\1\Data\23Aug22\14.D	Analyst:	Brooke

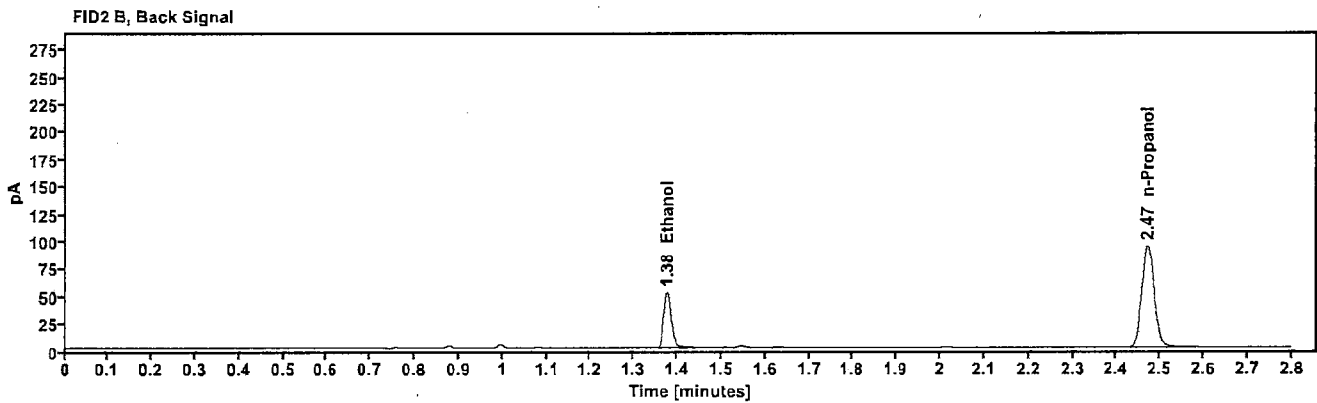
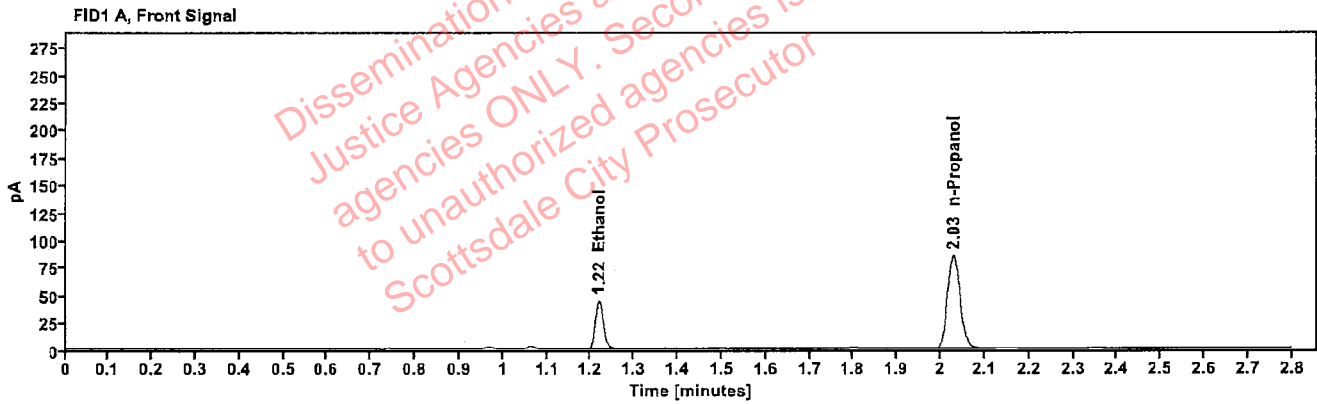


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0932	1.218	56.261
n-Propanol	----	2.029	169.662

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

Compound	Time (min)	Peak Area
Ethanol	1.377	62.128
n-Propanol	2.472	186.742

[REDACTED] : Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35301MD	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:02:05 PM
Data file:	C:\Chem32\1\Data\23Aug22\15.D	Analyst:	Brooke

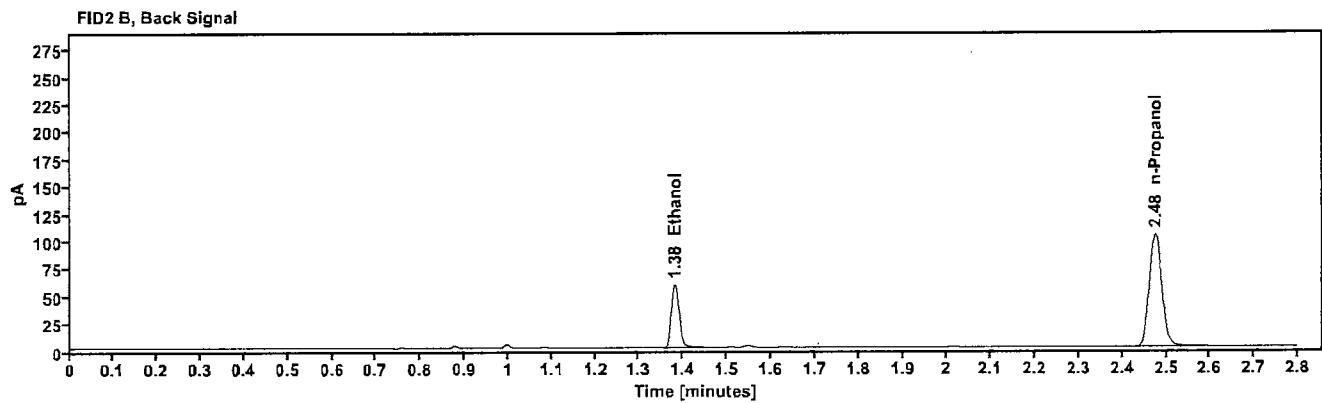
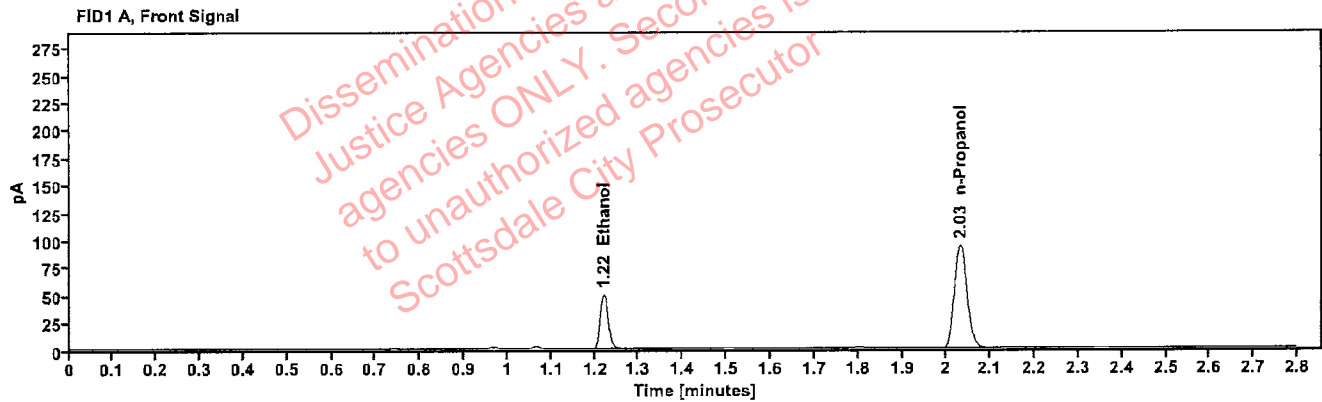


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0961	1.220	64.348
n-Propanol	---	2.032	188.181

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

Compound	Time (min)	Peak Area
Ethanol	1.381	70.938
n-Propanol	2.475	207.209

[REDACTED]: Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433387	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:06:05 PM
Data file:	C:\Chem32\1\Data\23Aug22\16.D	Analyst:	Brooke

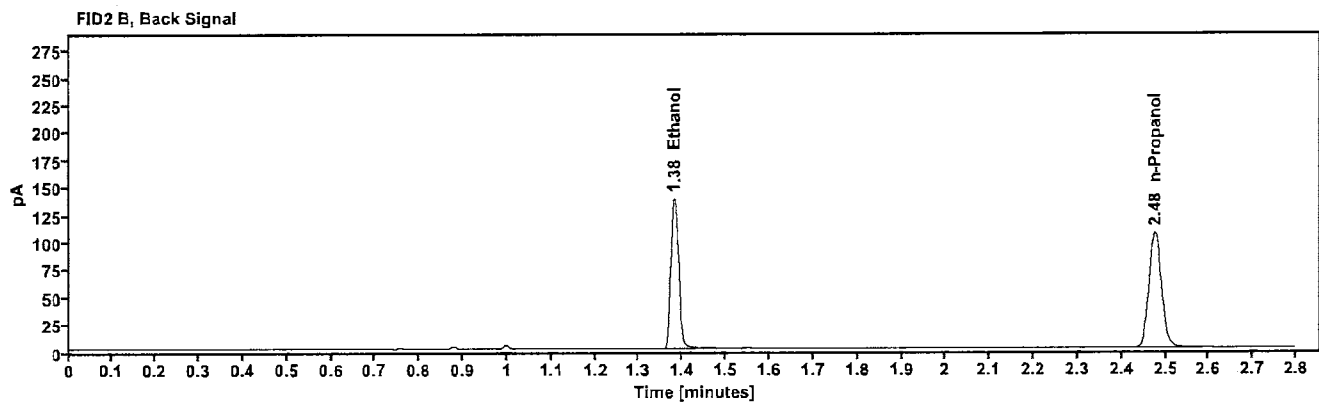
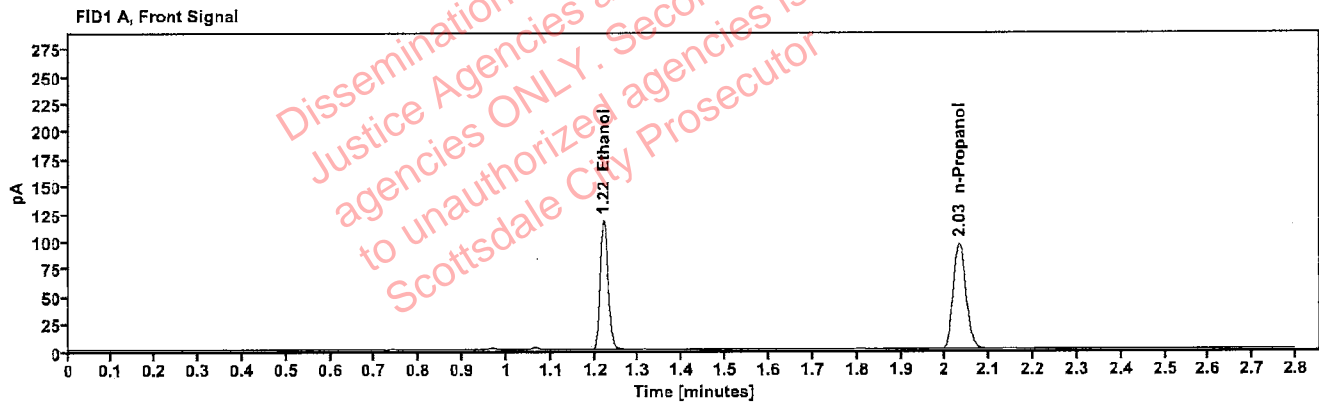


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2182	1.220	151.637
n-Propanol	-----	2.032	193.208

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

Compound	Time (min)	Peak Area
Ethanol	1.381	167.984
n-Propanol	2.476	212.192

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433387	Vial:	17
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:10:11 PM
Data file:	C:\Chem32\1\Data\23Aug22\17.D	Analyst:	Brooke

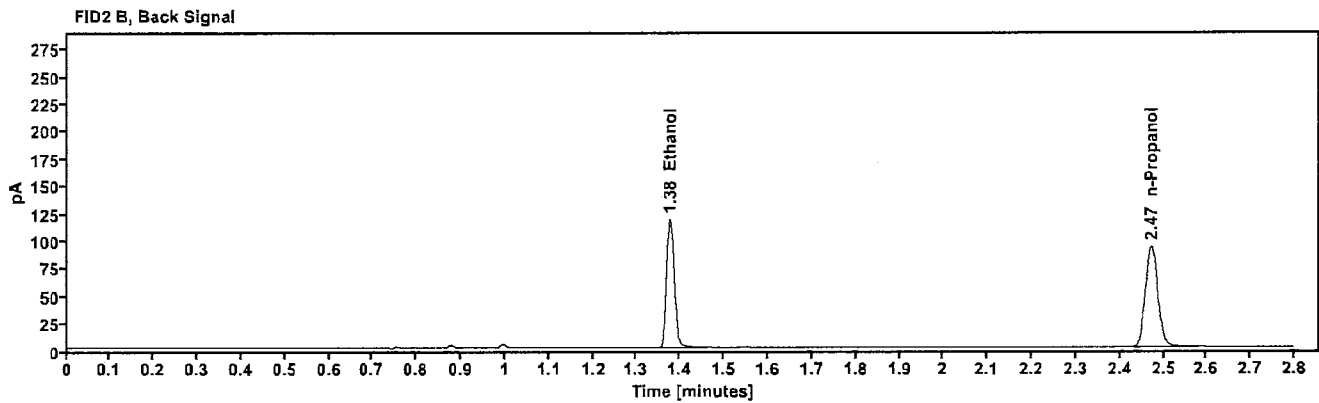
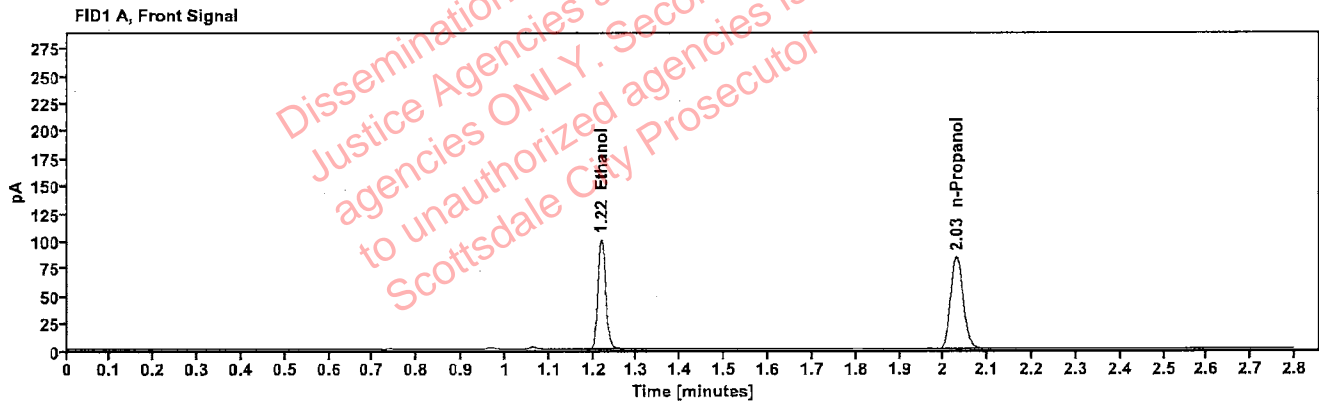


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2119	1.218	128.614
n-Propanol	-----	2.030	168.789

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

Compound	Time (min)	Peak Area
Ethanol	1.377	142.361
n-Propanol	2.472	185.234

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433976	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:14:11 PM
Data file:	C:\Chem32\1\Data\23Aug22\18.D	Analyst:	Brooke

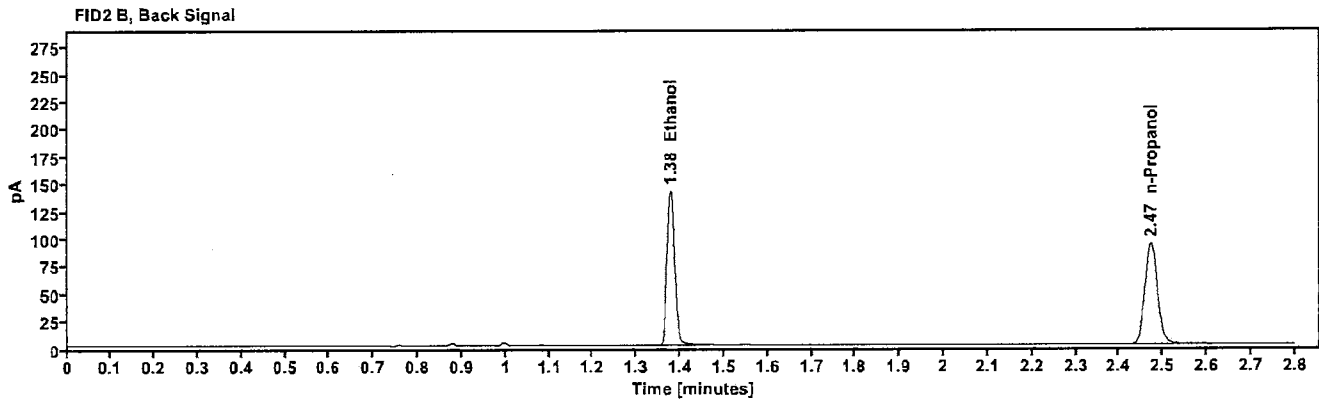
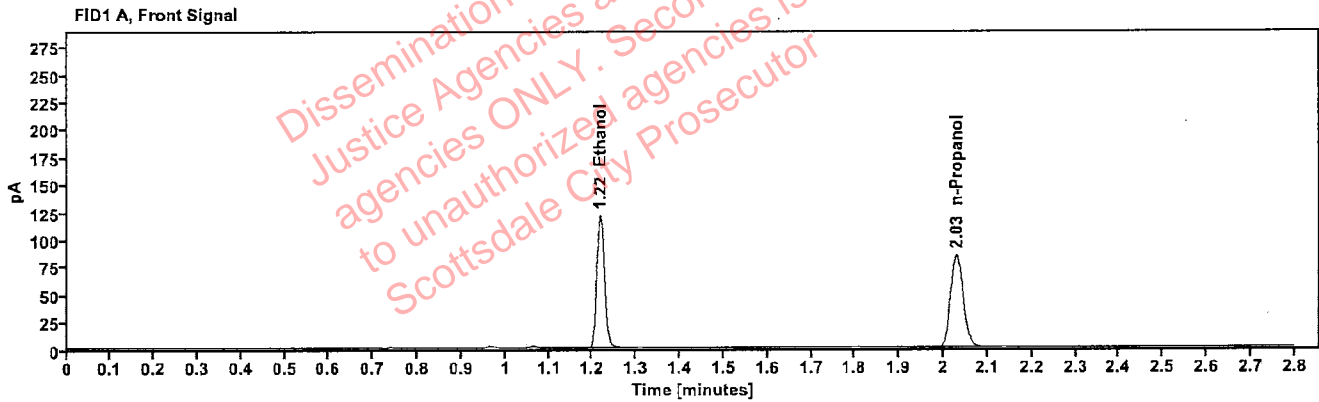


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2544	1.218	154.891
n-Propanol	----	2.030	169.009

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

Compound	Time (min)	Peak Area
Ethanol	1.377	171.629
n-Propanol	2.472	185.439

[REDACTED]: Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1433976	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:18:21 PM
Data file:	C:\Chem32\11\Data\23Aug22\19.D	Analyst:	Brooke

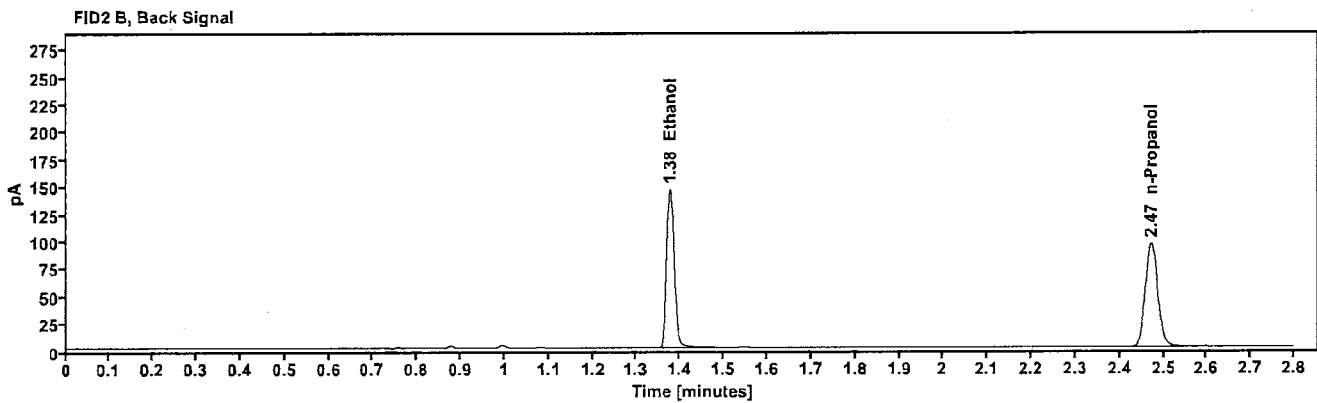
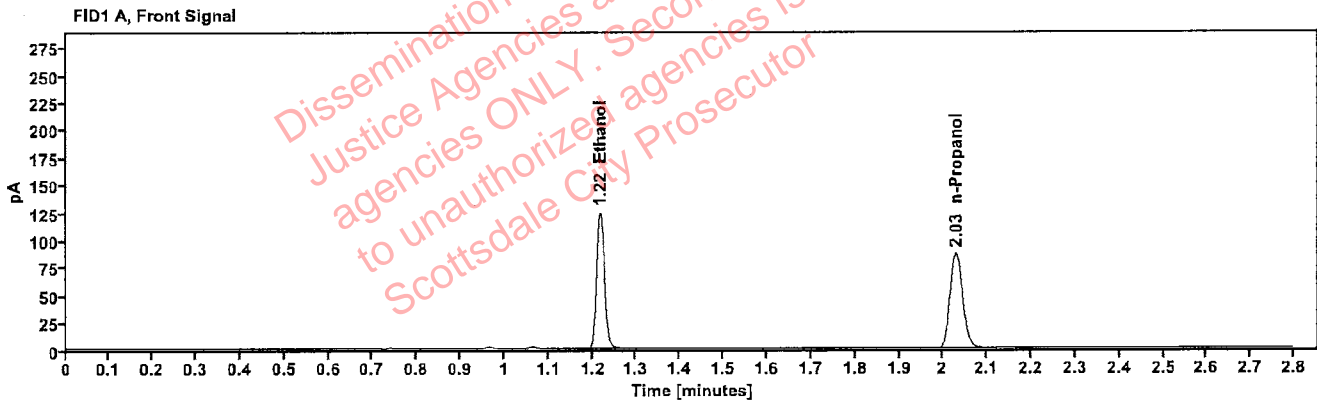


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2544	1.218	158.910
n-Propanol	-----	2.029	173.442

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

Compound	Time (min)	Peak Area
Ethanol	1.377	176.435
n-Propanol	2.472	190.434

[REDACTED] : Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434046	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:26:20 PM
Data file:	C:\Chem32\1\Data\23Aug22\21.D	Analyst:	Brooke

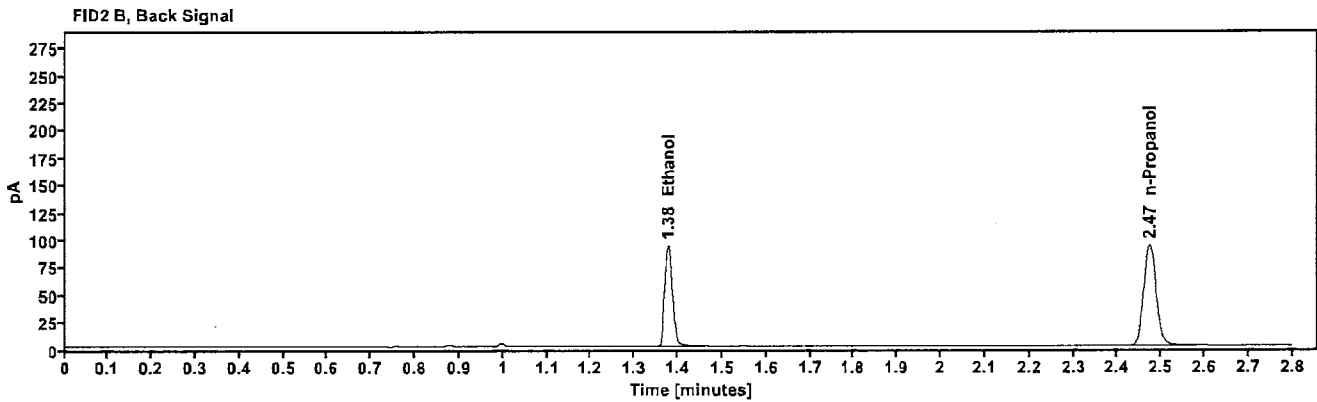
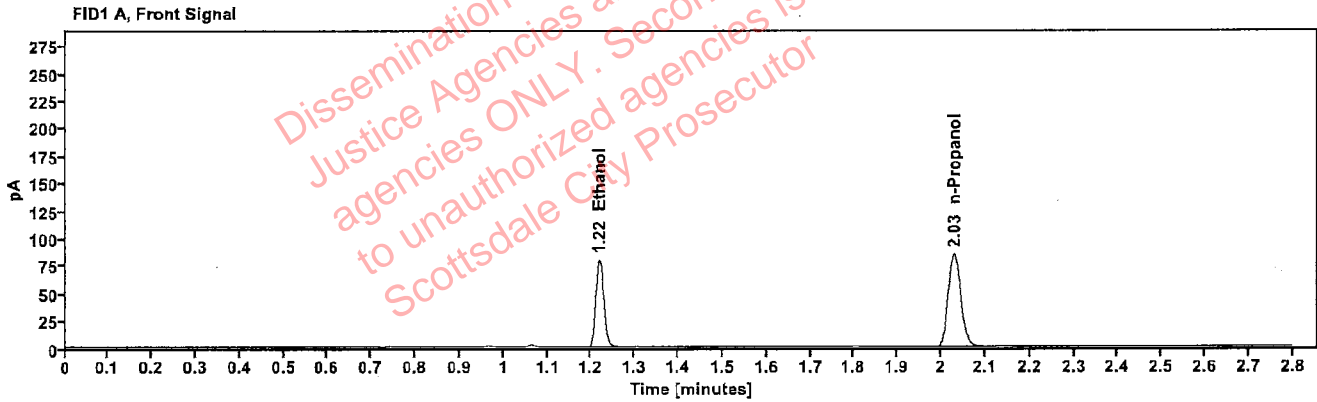


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1682	1.218	102.380
n-Propanol	---	2.030	169.598

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

Compound	Time (min)	Peak Area
Ethanol	1.378	113.234
n-Propanol	2.473	186.108

[REDACTED] : Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434046	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:30:20 PM
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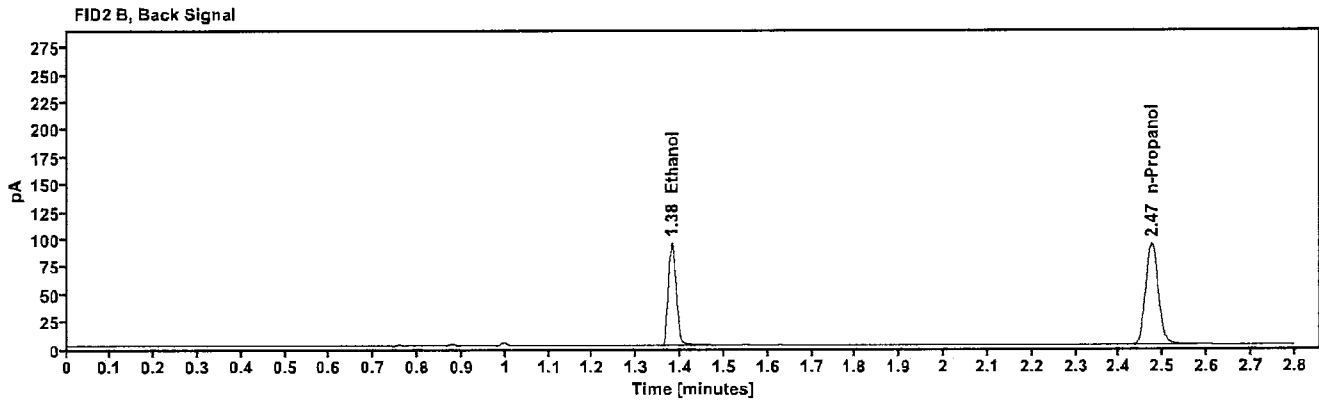
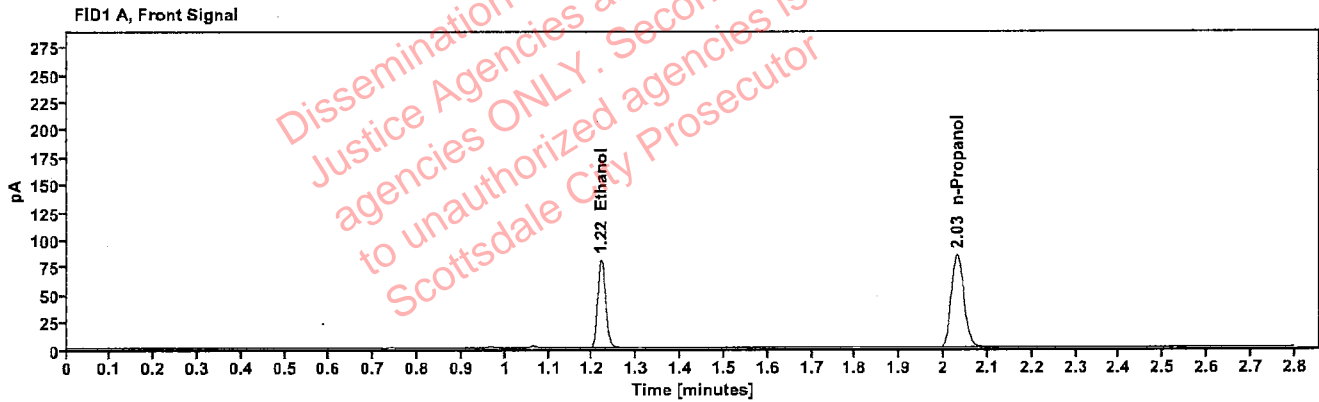


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1705	1.220	103.772
n-Propanol	----	2.031	169.594

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

Compound	Time (min)	Peak Area
Ethanol	1.380	114.788
n-Propanol	2.474	186.036

[REDACTED] : Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434070	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:34:27 PM
Data file:	C:\Chem32\1\Data\23Aug22\23.D	Analyst:	Brooke

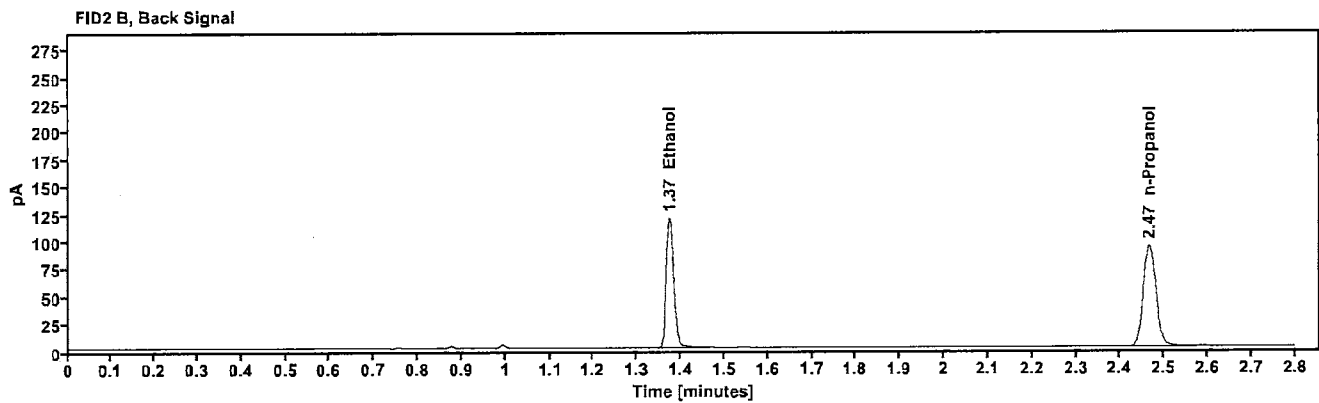
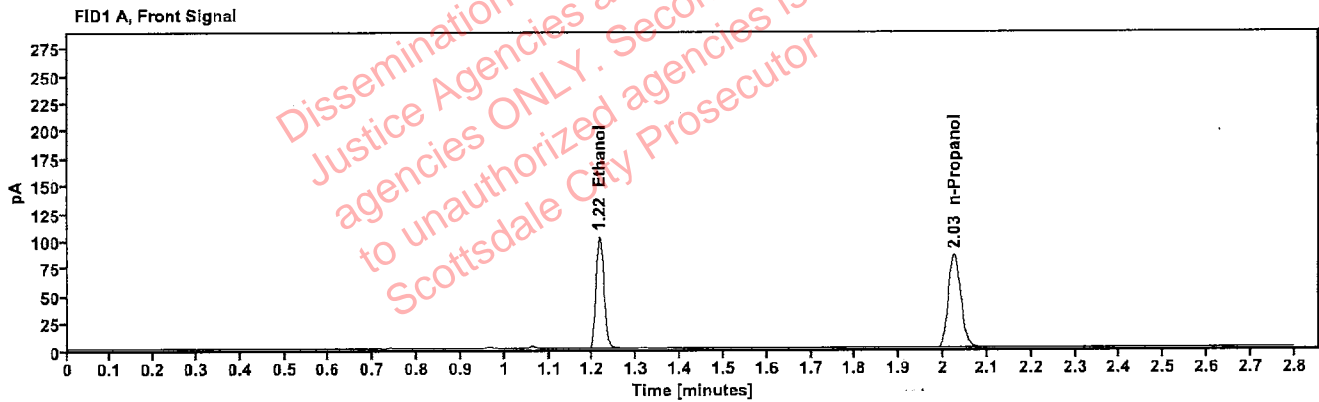


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2131	1.216	129.801
n-Propanol	---	2.025	169.354

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

Compound	Time (min)	Peak Area
Ethanol	1.374	143.540
n-Propanol	2.466	185.544

Brooke, Phillip - (24-Aug-2022)

Case: User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434070	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:38:26 PM
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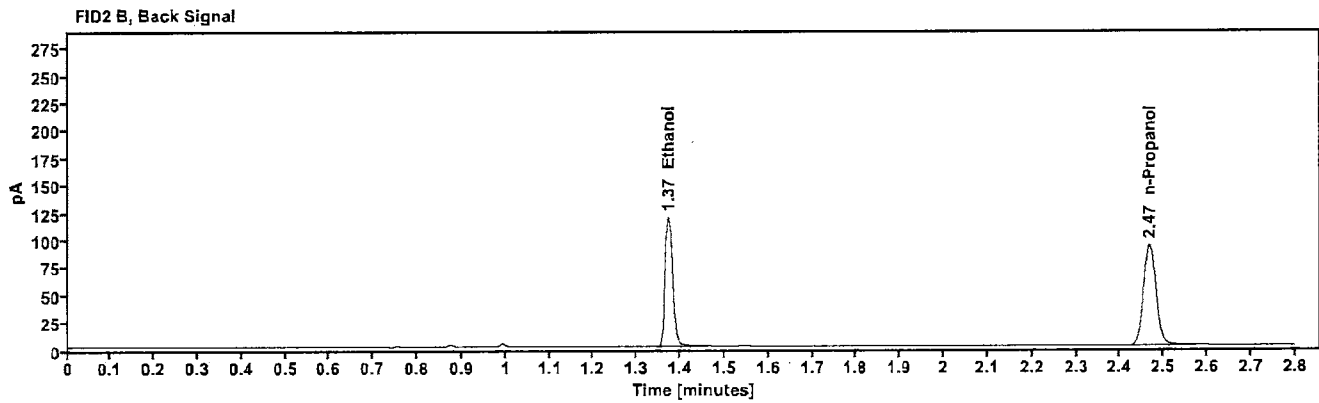
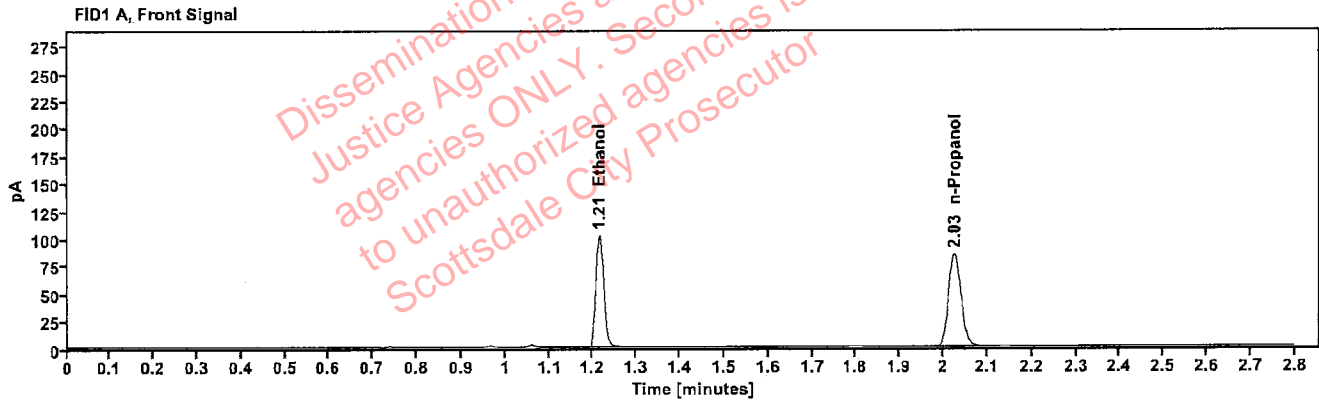


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2126	1.215	129.106
n-Propanol	---	2.026	168.795

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

Compound	Time (min)	Peak Area
Ethanol	1.373	142.784
n-Propanol	2.467	185.033

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434054	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:42:35 PM
Data file:	C:\Chem32\1\Data\23Aug22\25.D	Analyst:	Brooke

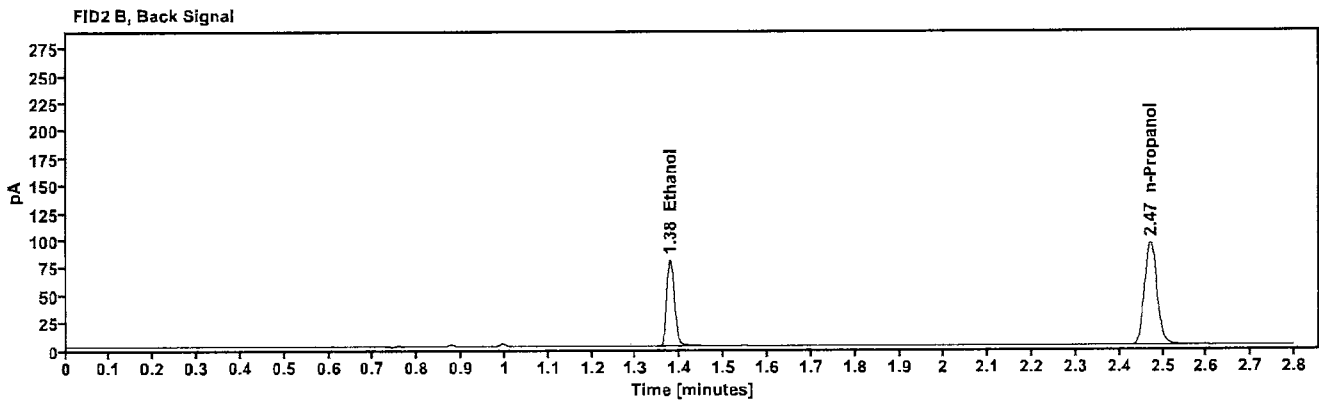
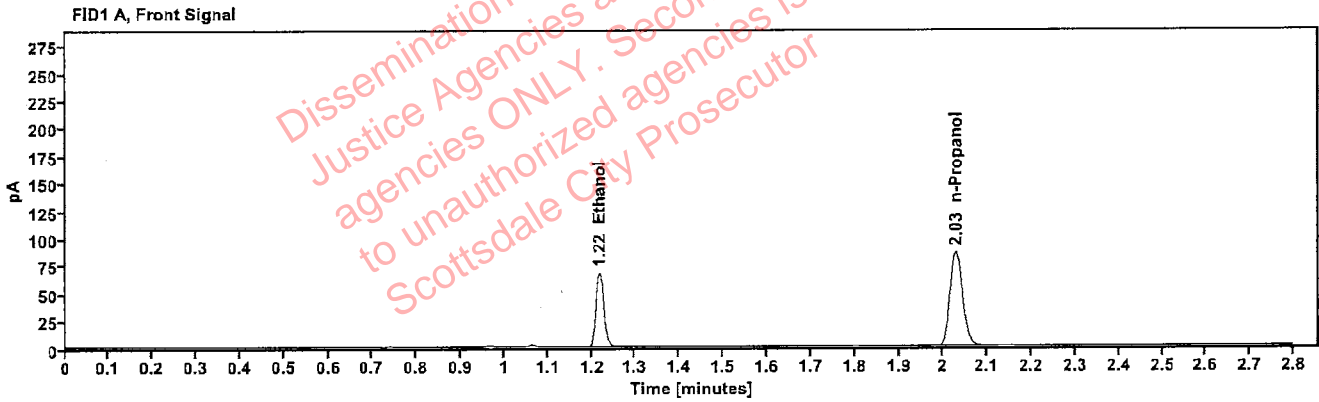


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1415	1.218	86.929
n-Propanol	-----	2.029	171.485

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

Compound	Time (min)	Peak Area
Ethanol	1.377	95.917
n-Propanol	2.472	188.316

[REDACTED] : Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434054	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:46:35 PM
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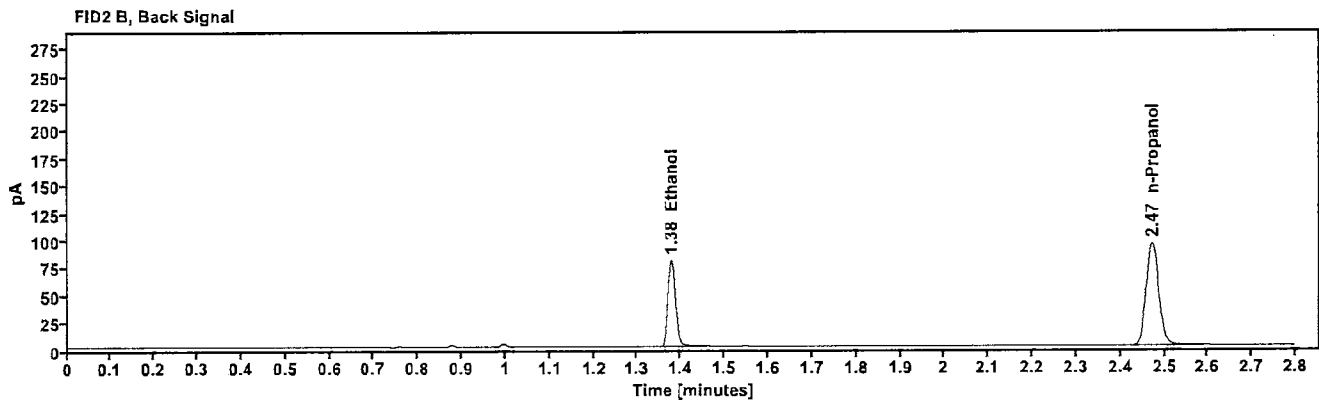
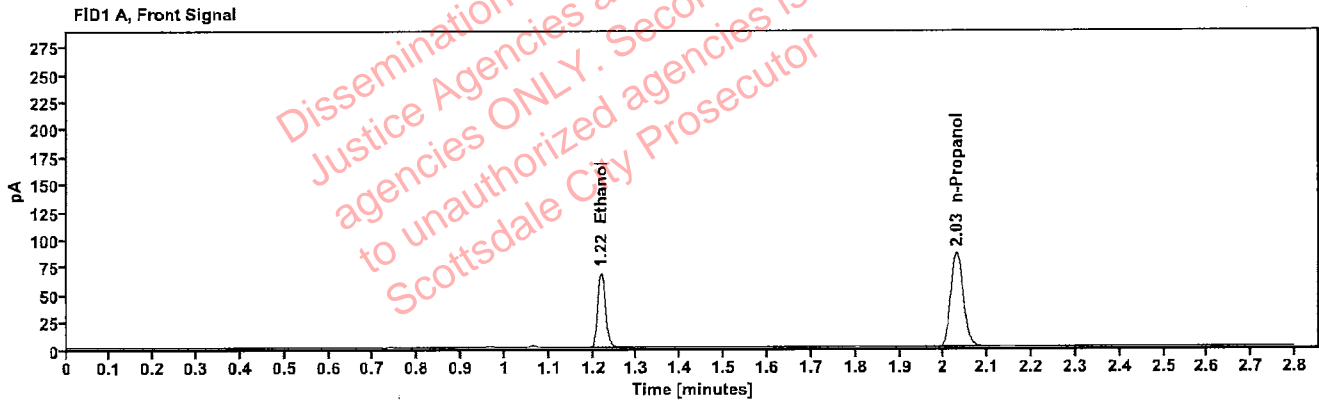


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1420	1.218	87.537
n-Propanol	---	2.030	172.064

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

Compound	Time (min)	Peak Area
Ethanol	1.378	96.712
n-Propanol	2.473	189.114

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434051	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:50:36 PM
Data file:	C:\Chem32\1\Data\23Aug22\27.D	Analyst:	Brooke

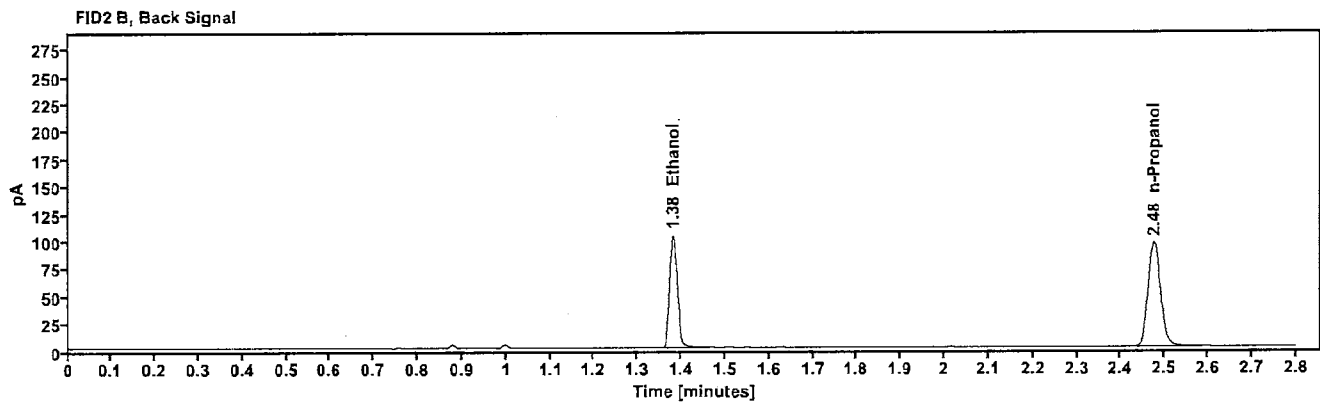
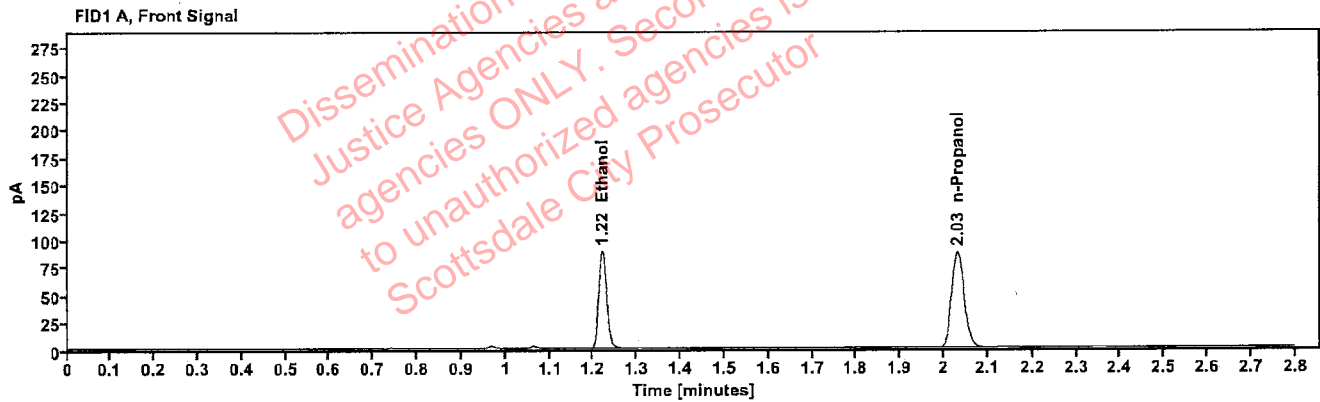


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1820	1.220	114.105
n-Propanol	-----	2.032	174.556

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

Compound	Time (min)	Peak Area
Ethanol	1.381	126.469
n-Propanol	2.476	192.015

[REDACTED] : Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434051	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:54:36 PM
Data file:	C:\Chem32\1\Data\23Aug22\28.D	Analyst:	Brooke

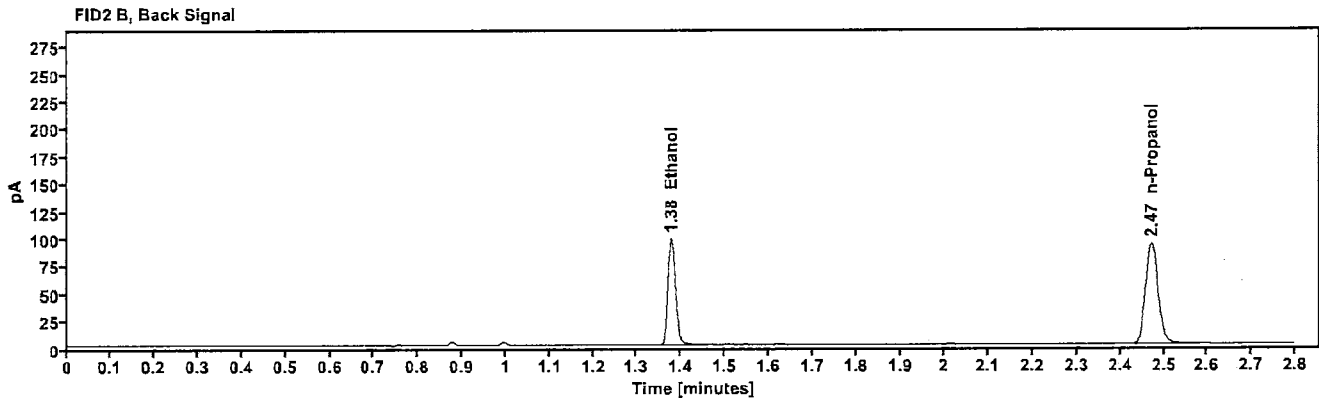
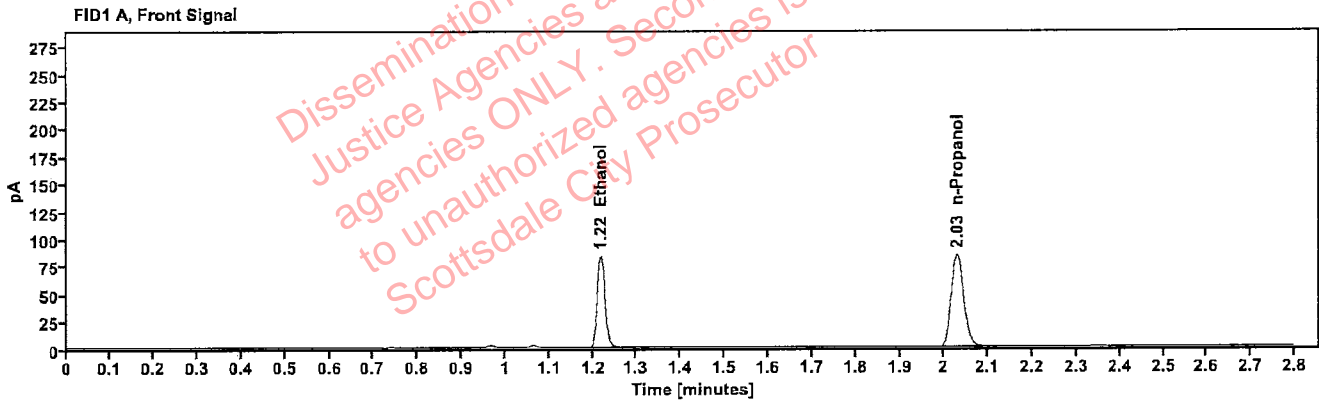


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1777	1.218	107.528
n-Propanol	-----	2.030	168.495

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

Compound	Time (min)	Peak Area
Ethanol	1.377	118.950
n-Propanol	2.473	185.366

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432530	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 7:58:41 PM
Data file:	C:\Chem32\1\Data\23Aug22\29.D	Analyst:	Brooke

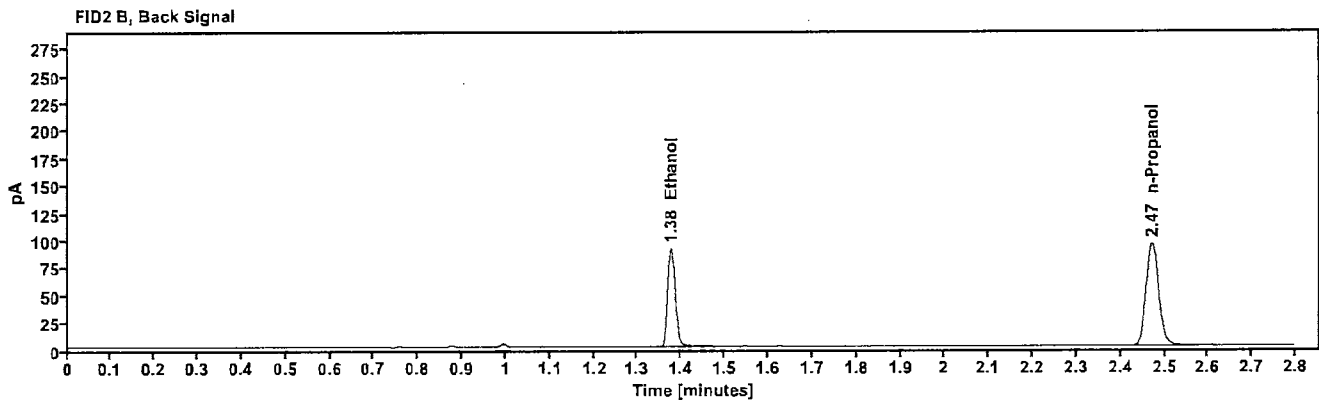
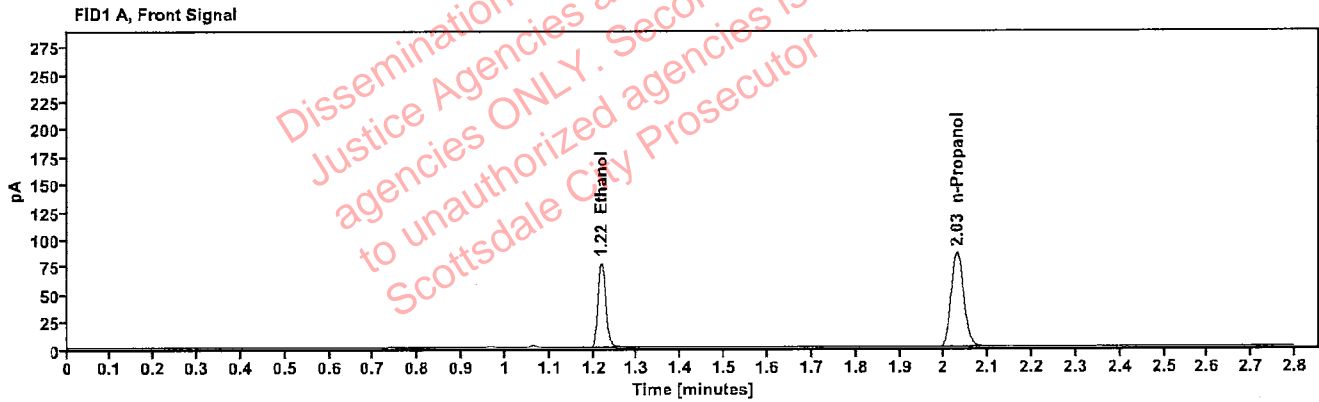


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1599	1.218	98.557
n-Propanol	----	2.029	171.809

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

Compound	Time (min)	Peak Area
Ethanol	1.377	108.824
n-Propanol	2.472	188.461

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1432530	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:02:42 PM
Data file:	C:\Chem32\1\Data\23Aug22\30.D	Analyst:	Brooke

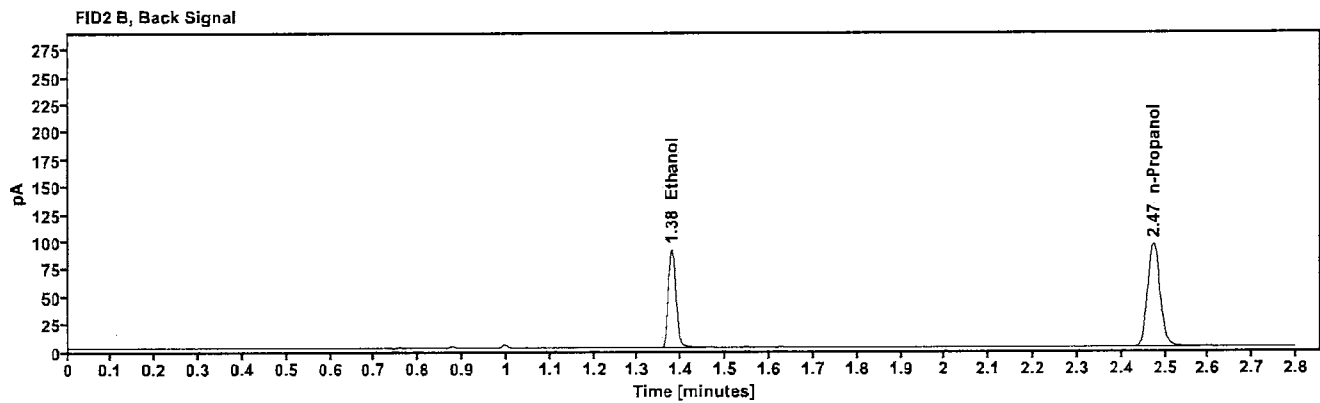
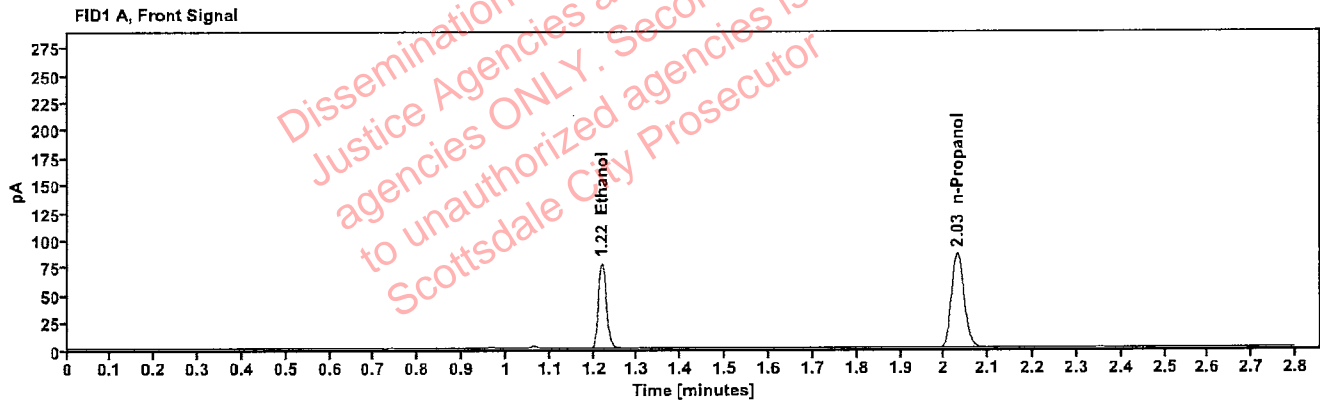


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1610	1.219	99.534
n-Propanol	-----	2.030	172.387

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

Compound	Time (min)	Peak Area
Ethanol	1.378	109.855
n-Propanol	2.473	189.134

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434291	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:10:51 PM
Data file:	C:\Chem32\1\Data\23Aug22\32.D	Analyst:	Brooke

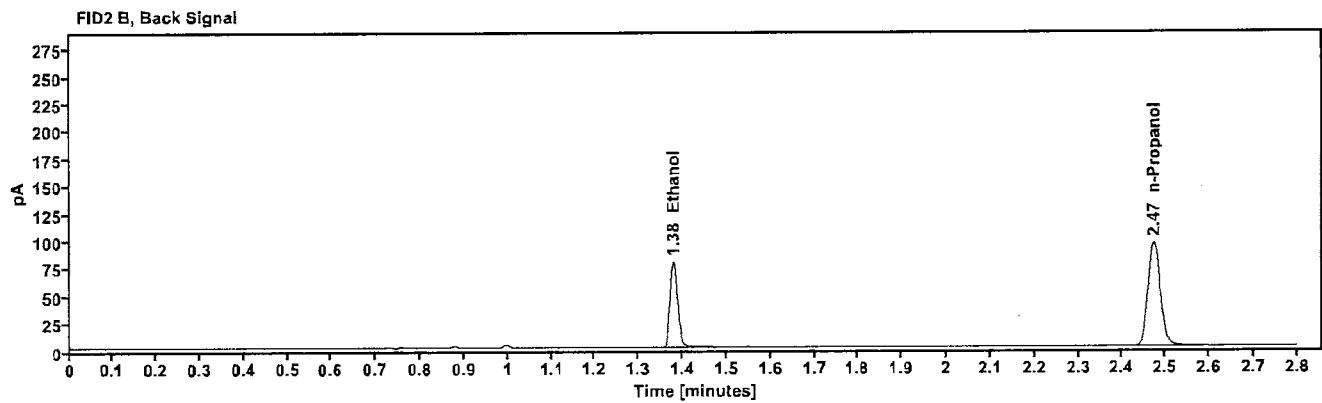
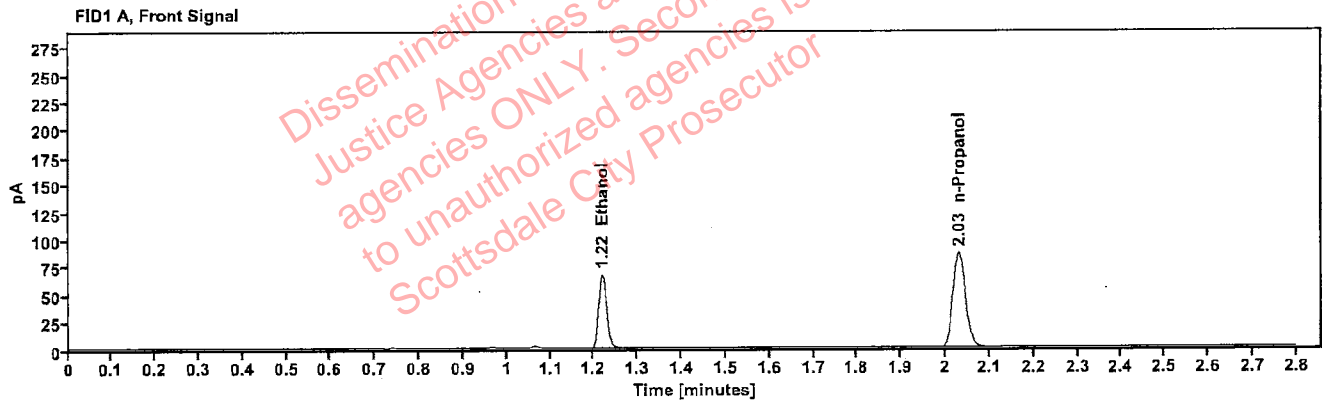


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1394	1.219	86.449
n-Propanol	-----	2.031	173.239

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

Compound	Time (min)	Peak Area
Ethanol	1.379	95.423
n-Propanol	2.474	190.107

Brooke, Phillip - (24-Aug-2022)

Case: User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434291	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:14:50 PM
Data file:	C:\Chem32\1\Data\23Aug22\33.D	Analyst:	Brooke

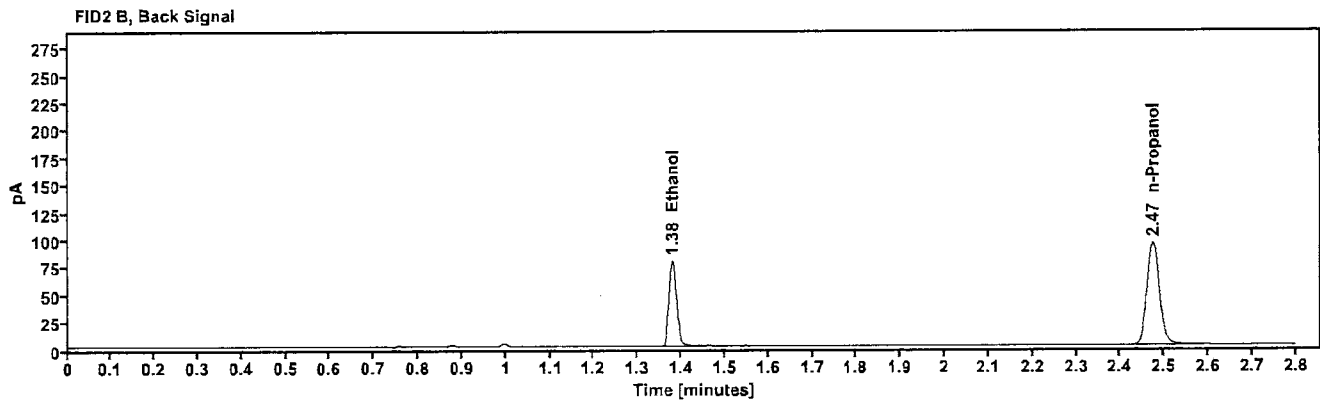
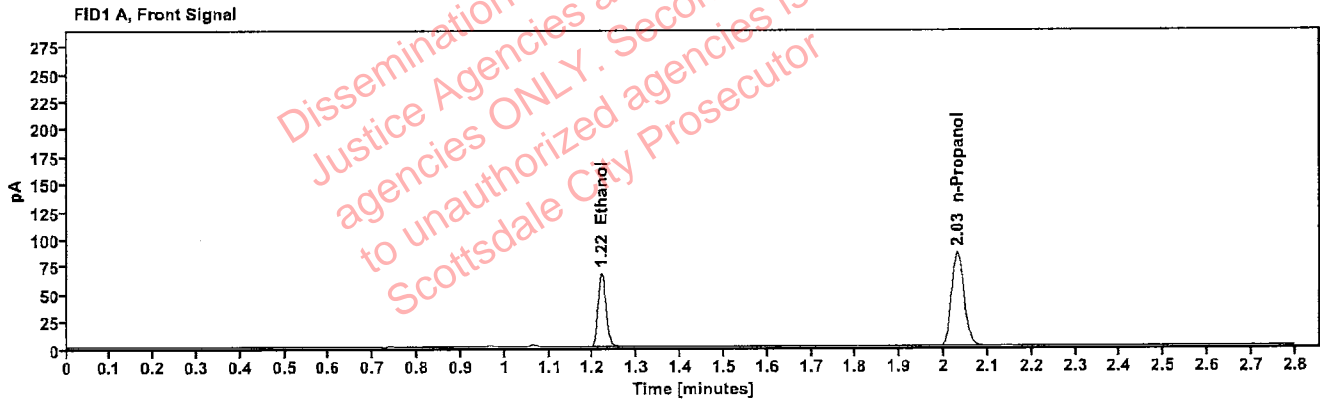


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1407	1.219	86.529
n-Propanol	-----	2.031	171.723

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

Compound	Time (min)	Peak Area
Ethanol	1.379	95.515
n-Propanol	2.474	188.522

[REDACTED]: Brooke, Phillip - (24-Aug-2022)

Case: [REDACTED] User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434116	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:18:50 PM
Data file:	C:\Chem32\1\Data\23Aug22\34.D	Analyst:	Brooke

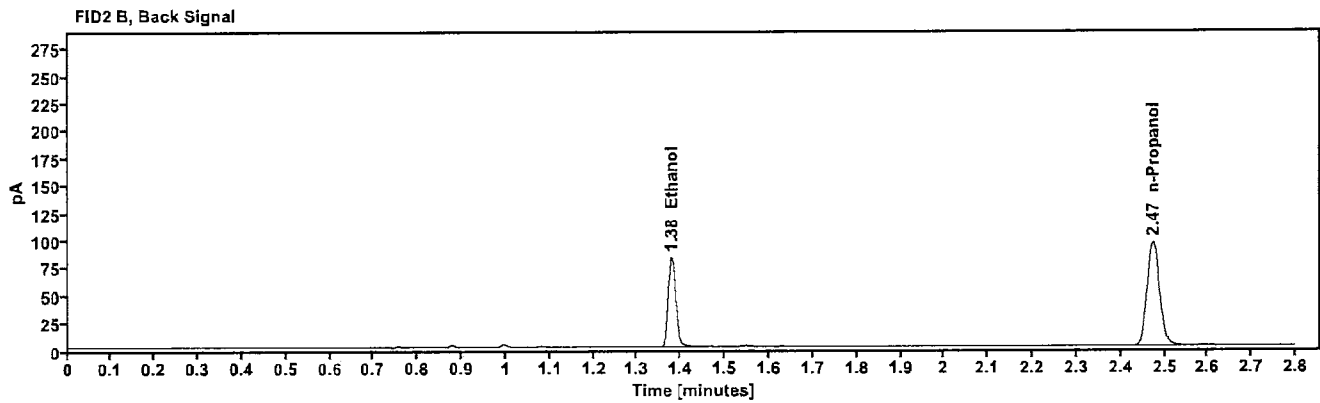
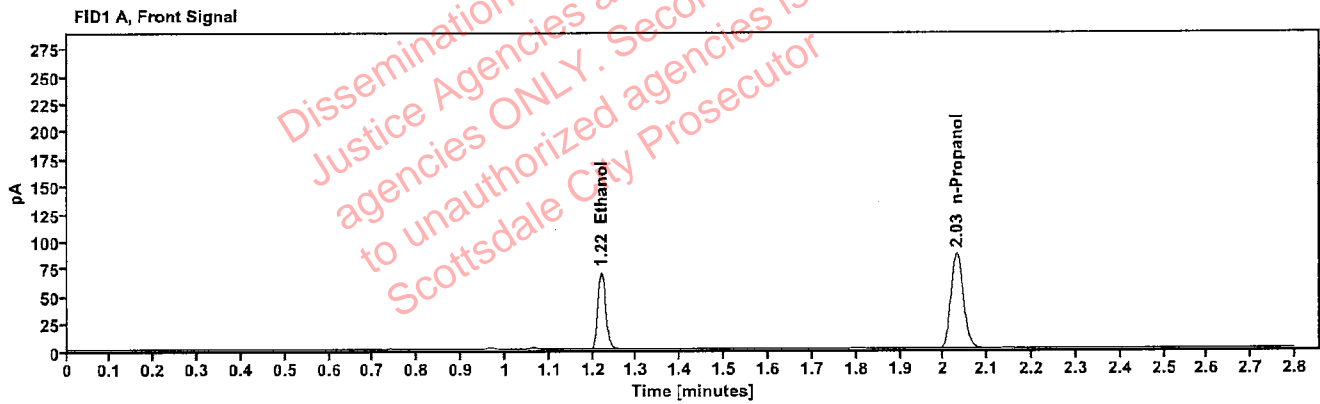


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1447	1.219	90.074
n-Propanol	---	2.031	173.779

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

Compound	Time (min)	Peak Area
Ethanol	1.379	99.414
n-Propanol	2.474	190.322

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434116	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:22:57 PM
Data file:	C:\Chem32\1\Data\23Aug22\35.D	Analyst:	Brooke

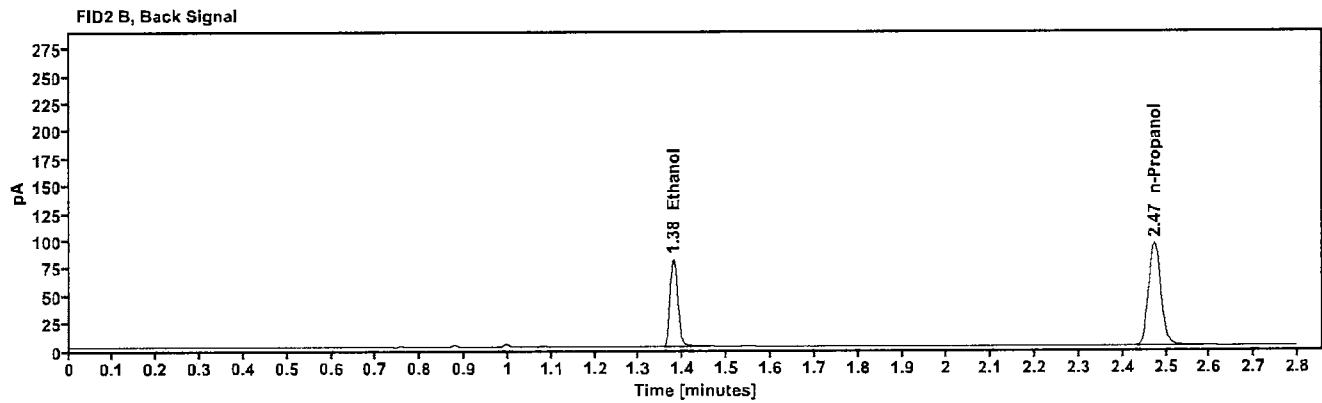
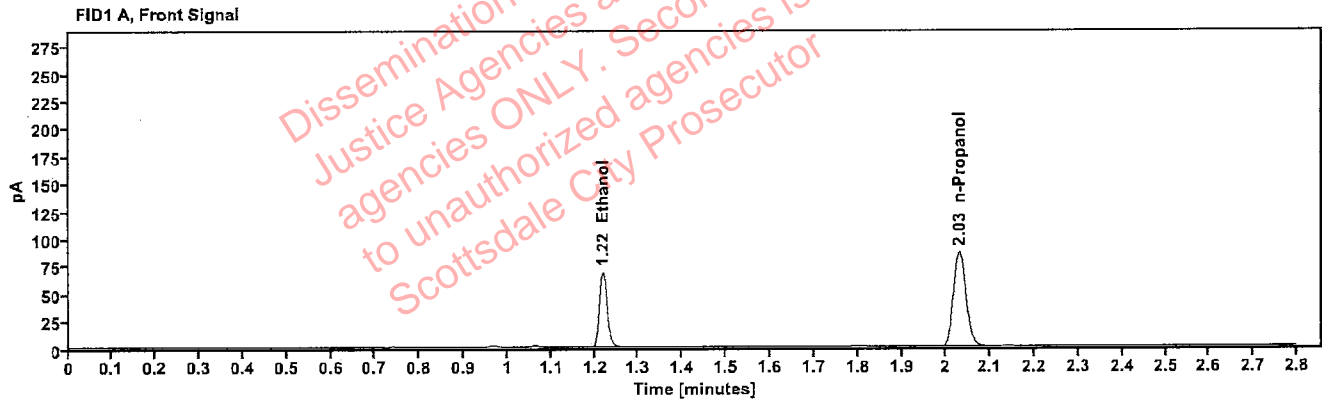


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1435	1.219	88.516
n-Propanol	-----	2.030	172.165

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

Compound	Time (min)	Peak Area
Ethanol	1.378	97.790
n-Propanol	2.473	188.654

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434296	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:26:56 PM
Data file:	C:\Chem32\1\Data\23Aug22\36.D	Analyst:	Brooke

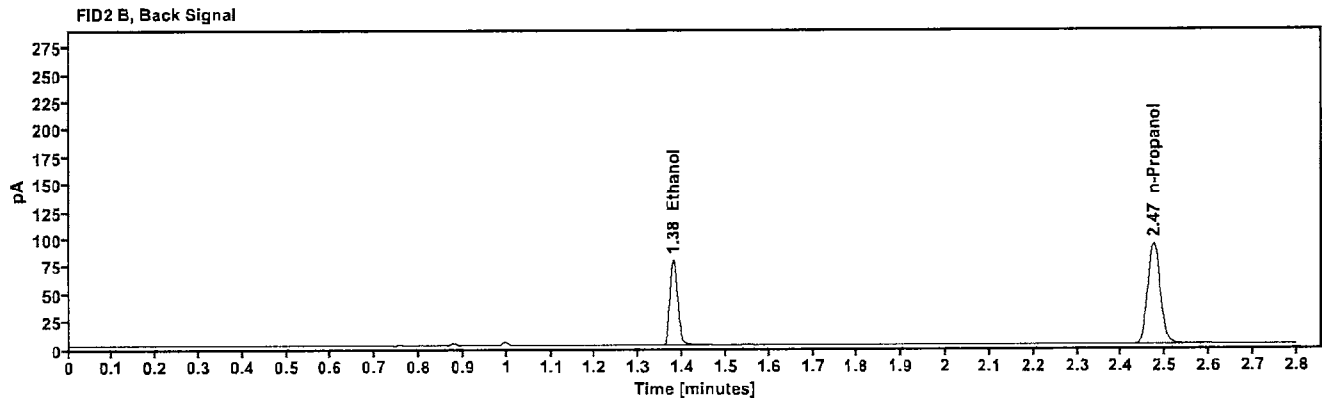
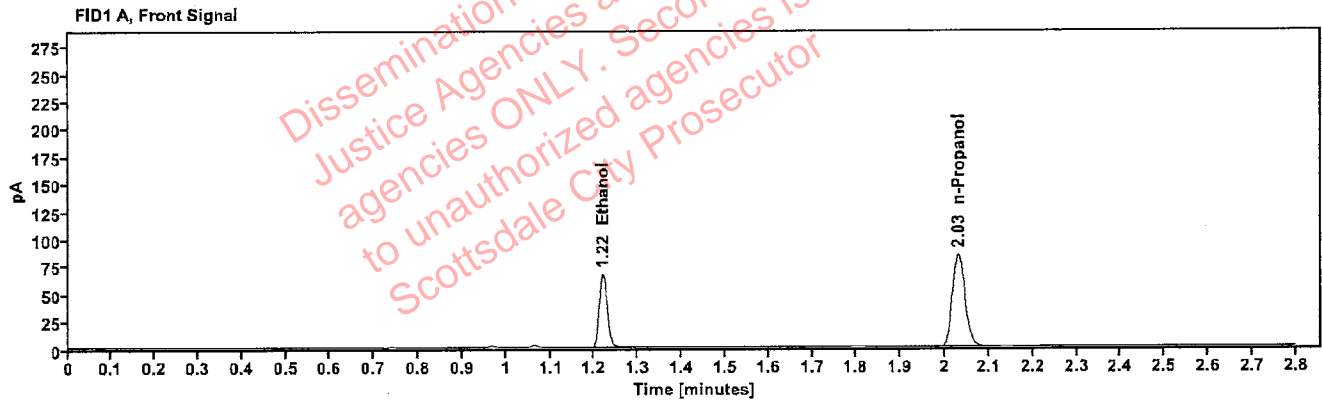


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1423	1.219	86.139
n-Propanol	-----	2.031	168.946

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

Compound	Time (min)	Peak Area
Ethanol	1.379	95.157
n-Propanol	2.474	185.388

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434296	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:31:06 PM
Data file:	C:\Chem32\1\Data\23Aug22\37.D	Analyst:	Brooke

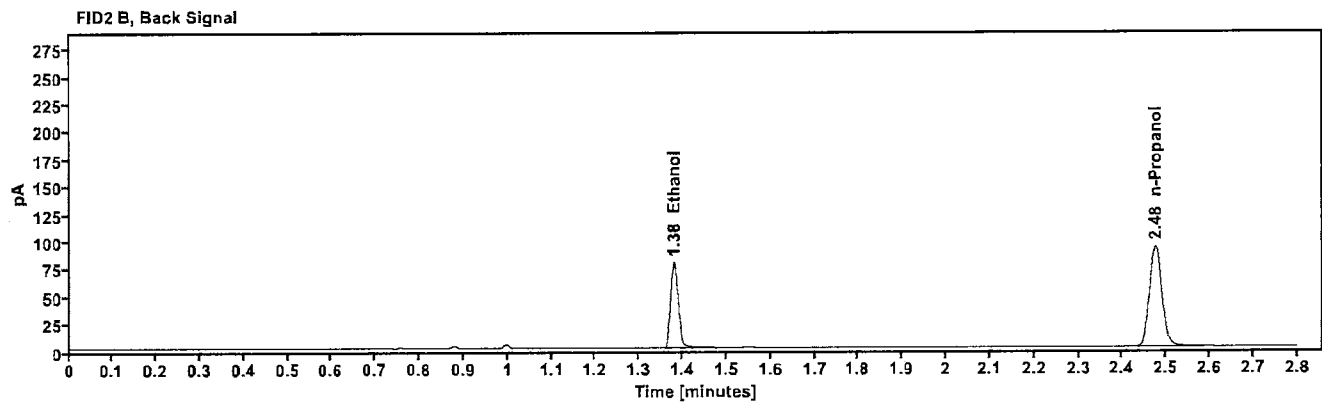
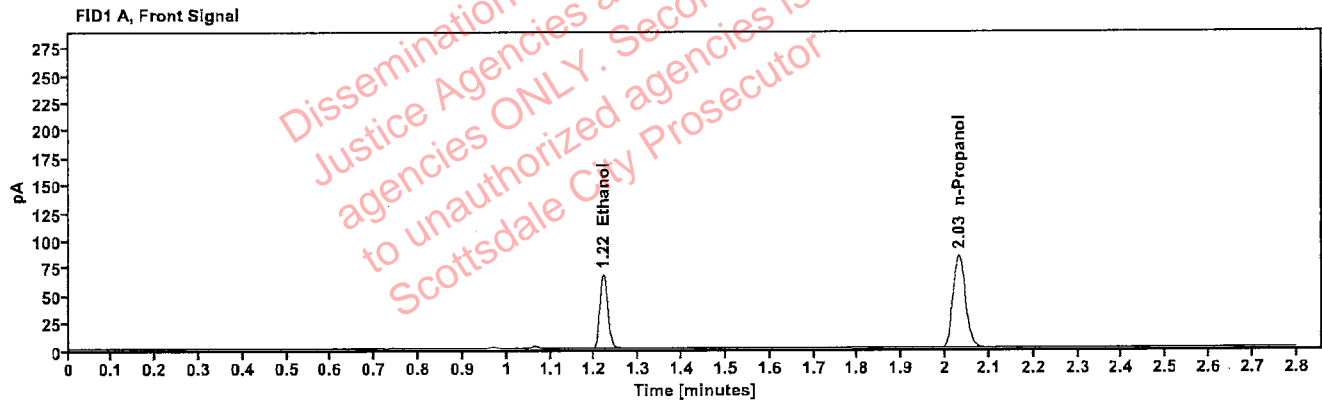


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1436	1.220	86.916
n-Propanol	---	2.032	168.907

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

Compound	Time (min)	Peak Area
Ethanol	1.380	95.916
n-Propanol	2.475	185.361

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1413891	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:35:05 PM
Data file:	C:\Chem32\1\Data\23Aug22\38.D	Analyst:	Brooke

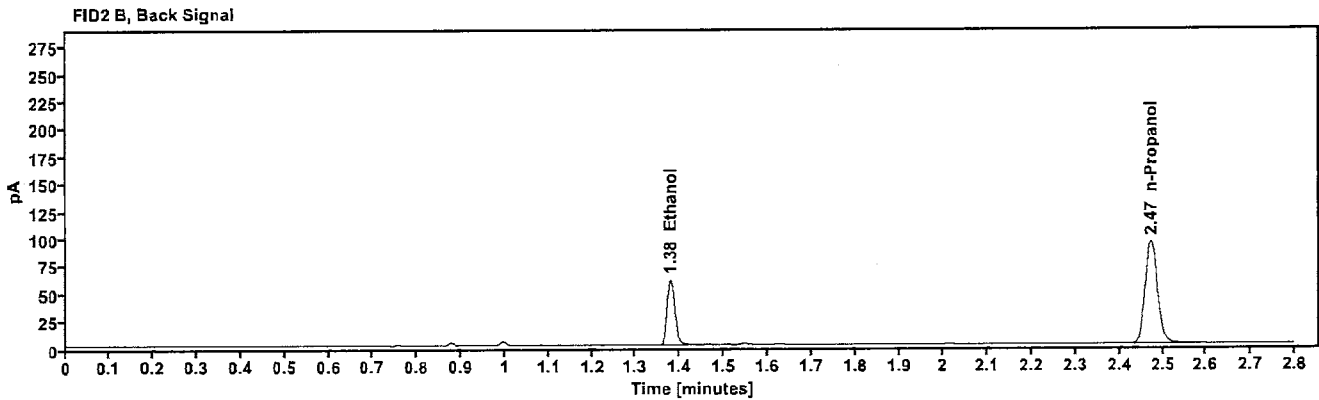
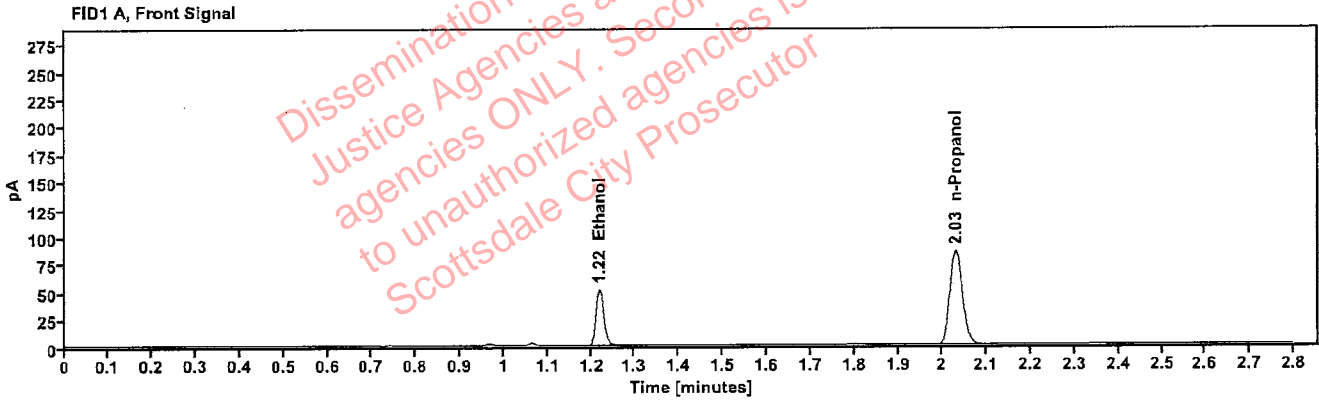


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1083	1.219	66.055
n-Propanol	---	2.030	170.986

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

Compound	Time (min)	Peak Area
Ethanol	1.378	72.915
n-Propanol	2.473	188.147

Case: [REDACTED] : Brooke, Phillip - (24-Aug-2022)

User: pbrooke 8/24/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1413891	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:39:06 PM
Data file:	C:\Chem32\1\Data\23Aug22\39.D	Analyst:	Brooke

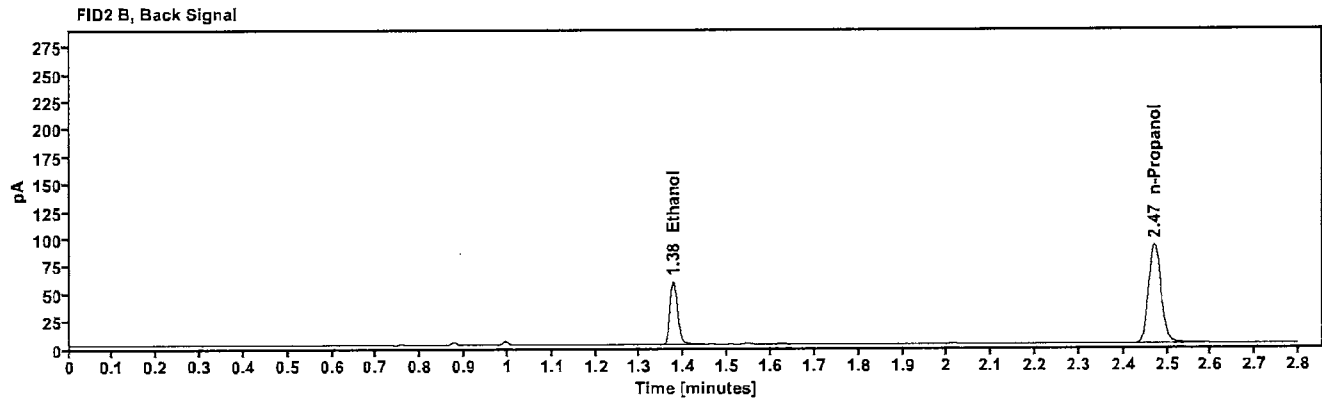
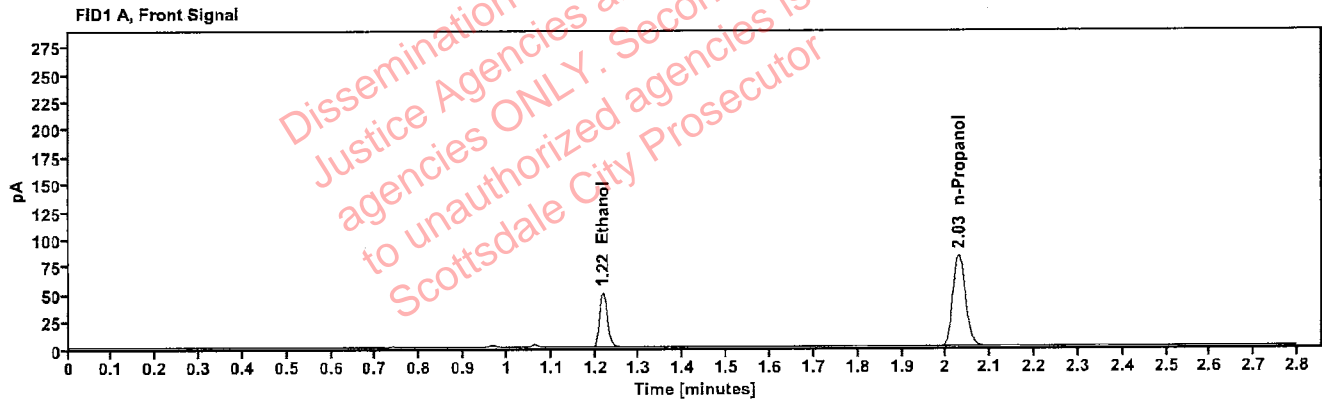


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1069	1.218	63.378
n-Propanol	-----	2.029	166.294

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

Compound	Time (min)	Peak Area
Ethanol	1.376	69.861
n-Propanol	2.471	182.873

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434600	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:43:06 PM
Data file:	C:\Chem32\1\Data\23Aug22\40.D	Analyst:	Brooke

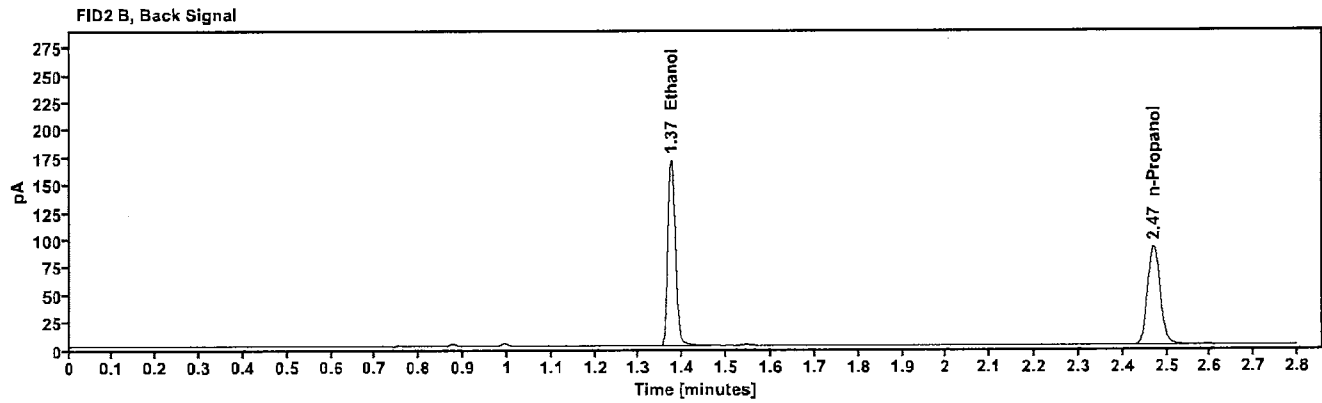
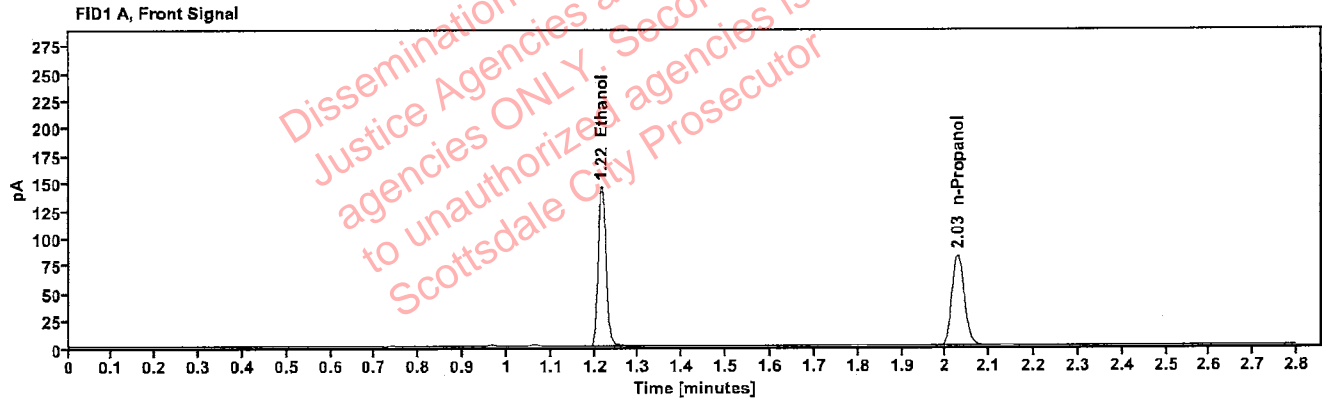


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3107	1.216	185.107
n-Propanol	----	2.028	165.191

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

Compound	Time (min)	Peak Area
Ethanol	1.374	204.975
n-Propanol	2.470	181.181

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1434600	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Aug22
Instrument:	US14173023 CN14160045	Injection date:	8/23/2022 8:47:11 PM
Data file:	C:\Chem32\1\Data\23Aug22\41.D	Analyst:	Brooke

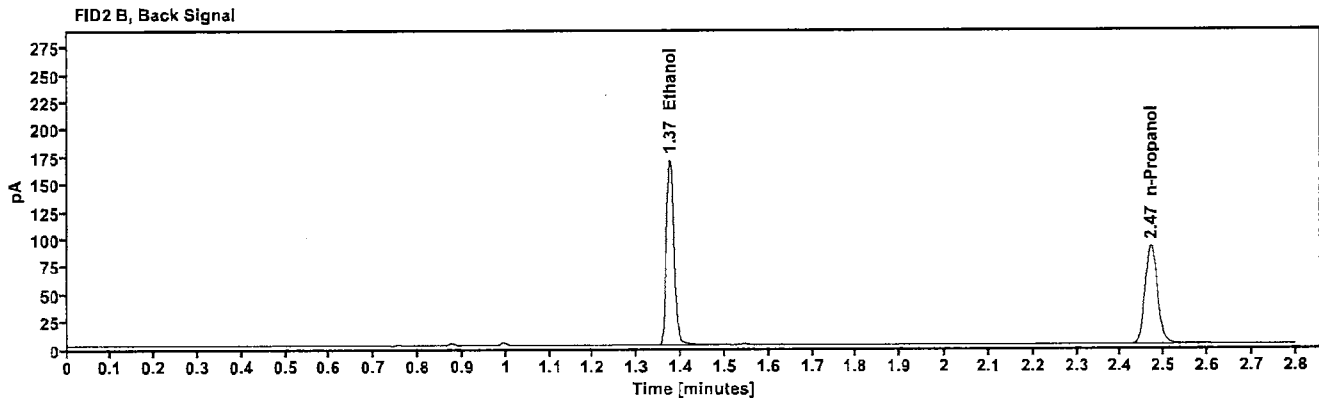
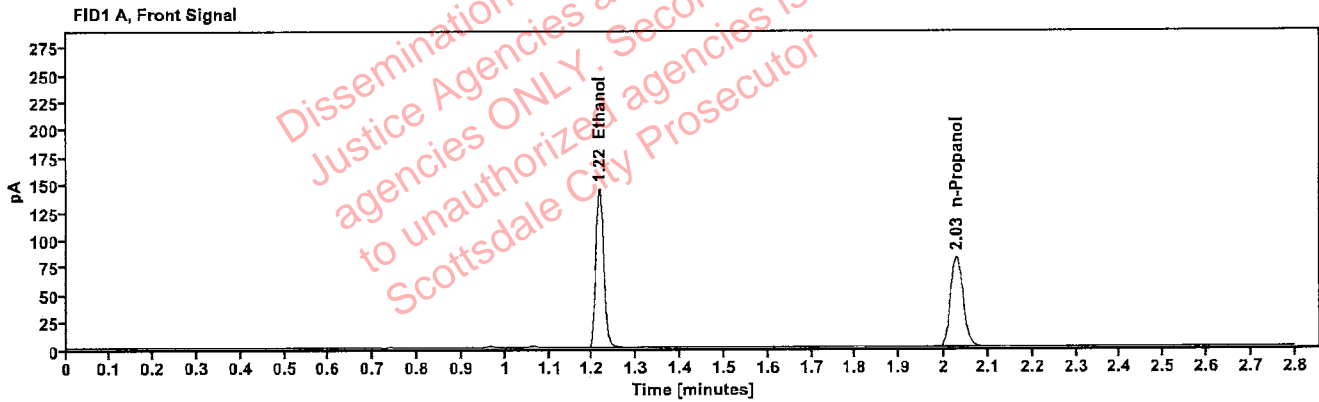


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3108	1.216	184.508
n-Propanol	-----	2.028	164.591

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

Compound	Time (min)	Peak Area
Ethanol	1.374	204.544
n-Propanol	2.470	180.630