

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/24/23 SEQUENCE NAME 24Oct23

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN11172002 1.00000
 Vial 3 0.20 calibrator Lot FN03132302
 Vial 4 0.40 calibrator Lot FN03052102

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD Lab 011823WB
6	Volatiles mix	6 compounds	6 compounds	SPD Lab 050721MIX
7	Aqueous control	0.400 g/dL	0.398 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	0.204 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.406 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD Lab 092223AQ

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Philip [Signature] Analyst
 Run valid Run invalid [Signature] Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

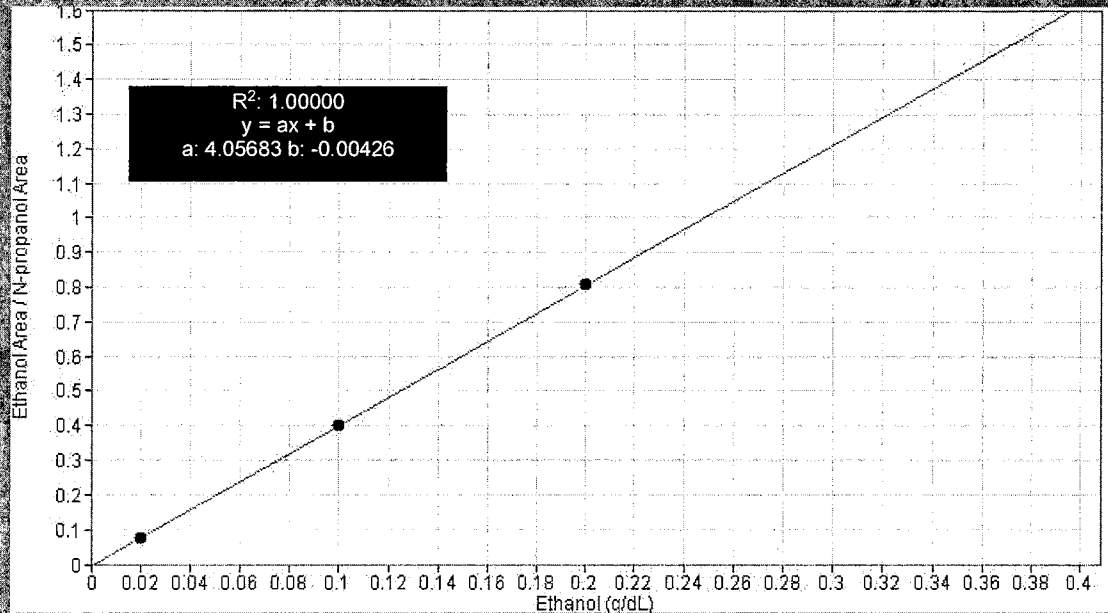
SEQUENCE NAME: 24Oct23

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	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/11	9	0.204	0.199	2.51	0.005
0.080 20012020-B	20	0.081	0.080	1.25	0.001
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.400 30012020-A	42	0.406	0.400	1.50	0.006
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 4110320133/11	44	0.202	0.199	1.51	0.003
blank 092223AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.599	148.895	0.078
0.100	59.400	148.714	0.399
0.200	121.336	150.139	0.808
0.400	241.339	149.122	1.618

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

RB

Sample: FN03122113	Vial: 1
Description: 0.020 calibrator	Sequence: 24Oct23
Method: ethanol quant.M	Injection date: 10/24/2023 12:23:25 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Oct23\1.D	

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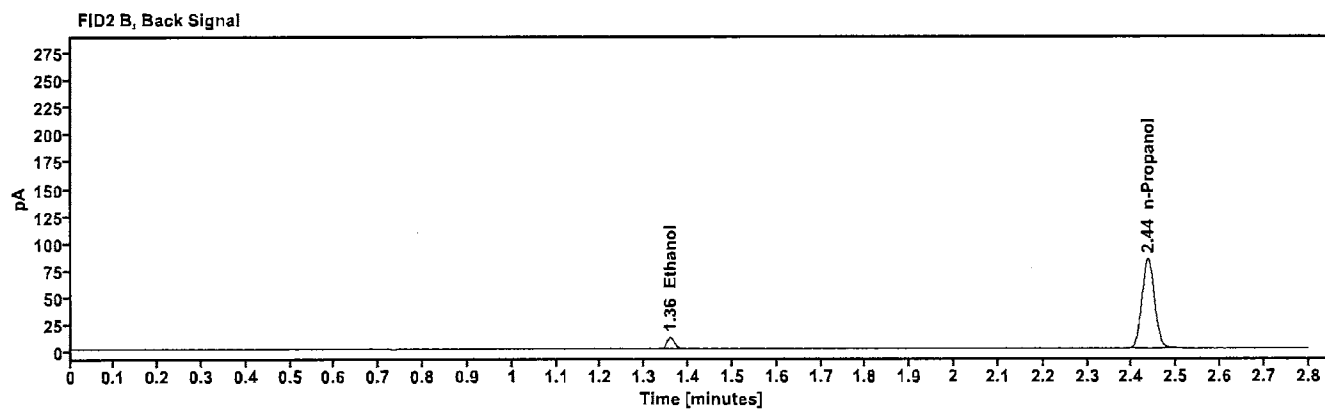
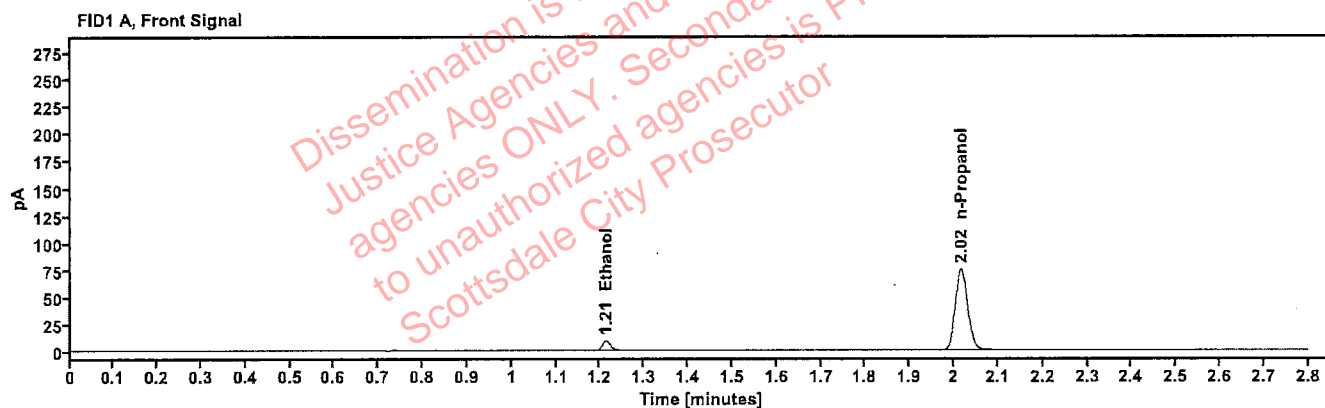


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	11.599
n-Propanol	2.017	148.895

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

Compound	Time (min)	Peak Area
Ethanol	1.358	12.776
n-Propanol	2.436	163.347

Scottsdale Police Department Crime Lab Volatiles Analysis

413

Sample: FN11172002	Vial: 2
Description: 0.100 calibrator	Sequence: 24Oct23
Method: ethanol quant.M	Injection date: 10/24/2023 12:27:25 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Oct23\2.D	

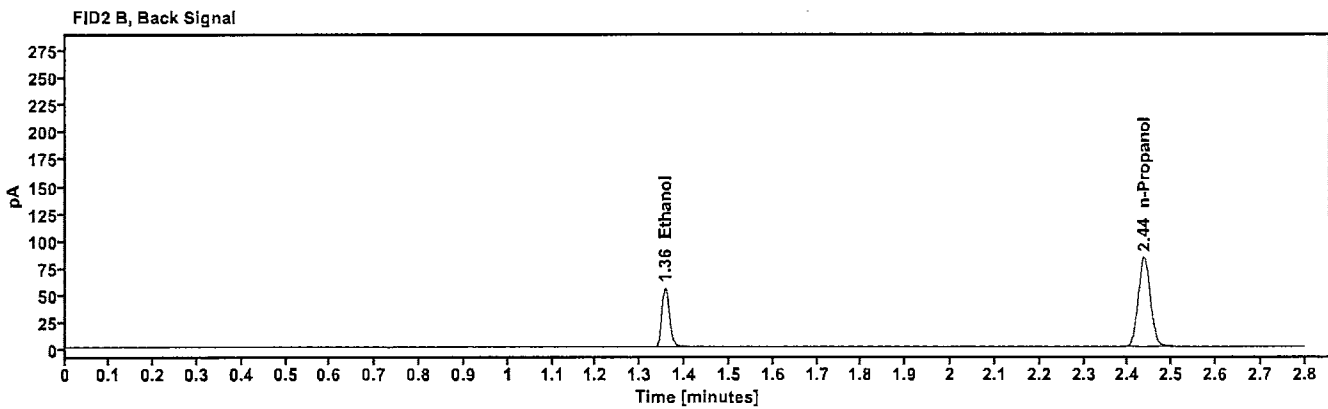
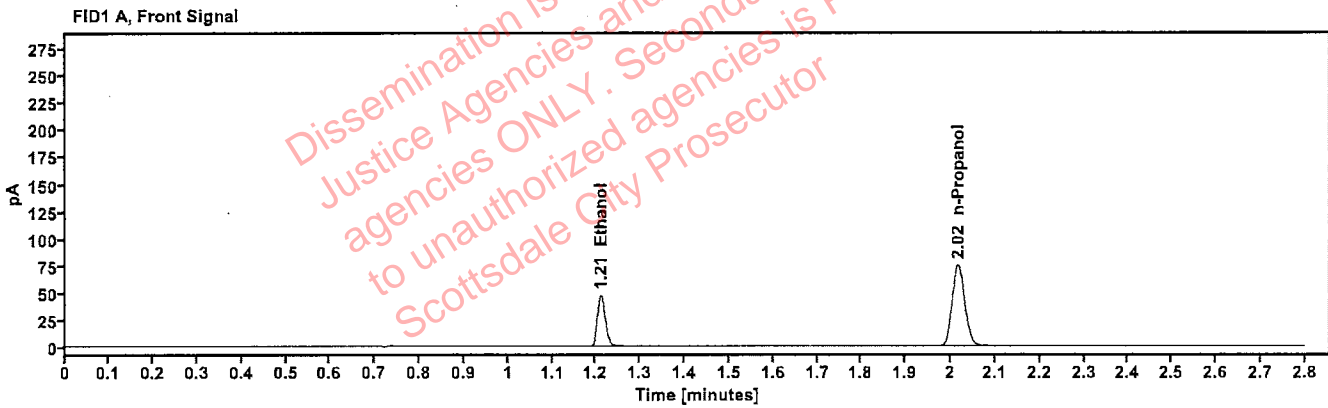


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	59.400
n-Propanol	2.017	148.714

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

Compound	Time (min)	Peak Area
Ethanol	1.357	65.374
n-Propanol	2.436	163.008

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03132302	Vial:	3
Description:	0.200 calibrator	Sequence:	24Oct23
Method:	ethanol quant.M	Injection date:	10/24/2023 12:31:25 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\1\Data\24Oct23\3.D		

YB

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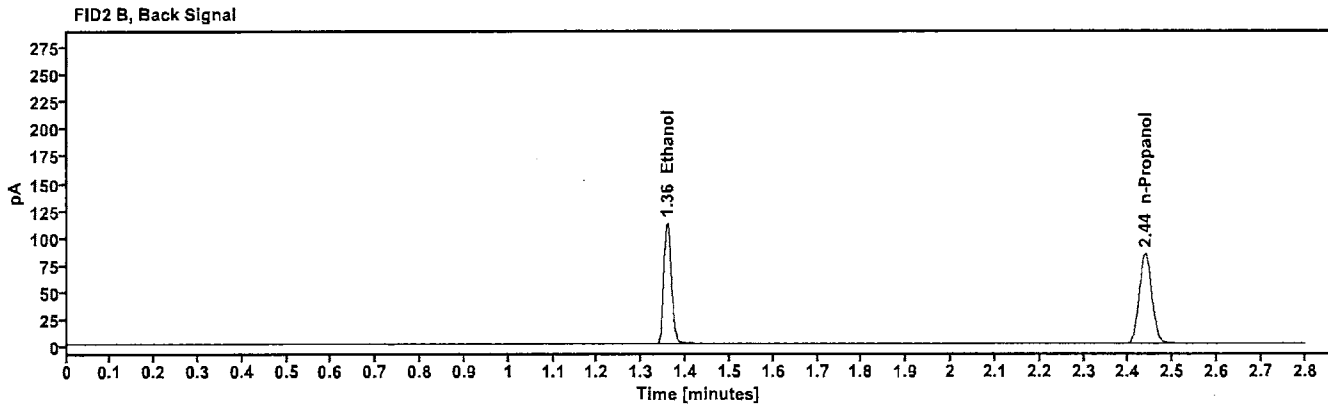
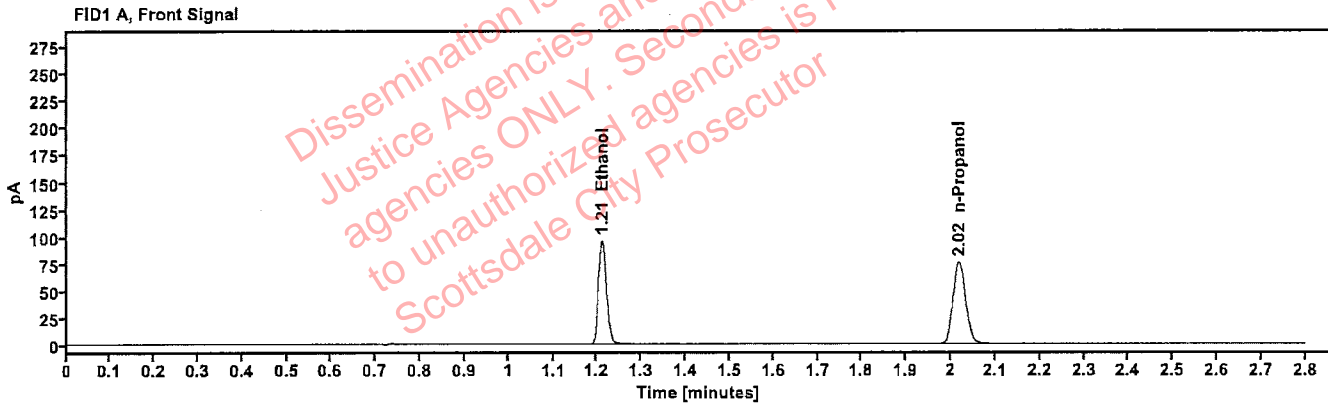


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	121.336
n-Propanol	2.018	150.139

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

Compound	Time (min)	Peak Area
Ethanol	1.358	133.690
n-Propanol	2.438	164.528

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	24Oct23
Method:	ethanol quant.M	Injection date:	10/24/2023 12:35:26 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\1\Data\24Oct23\4.D		

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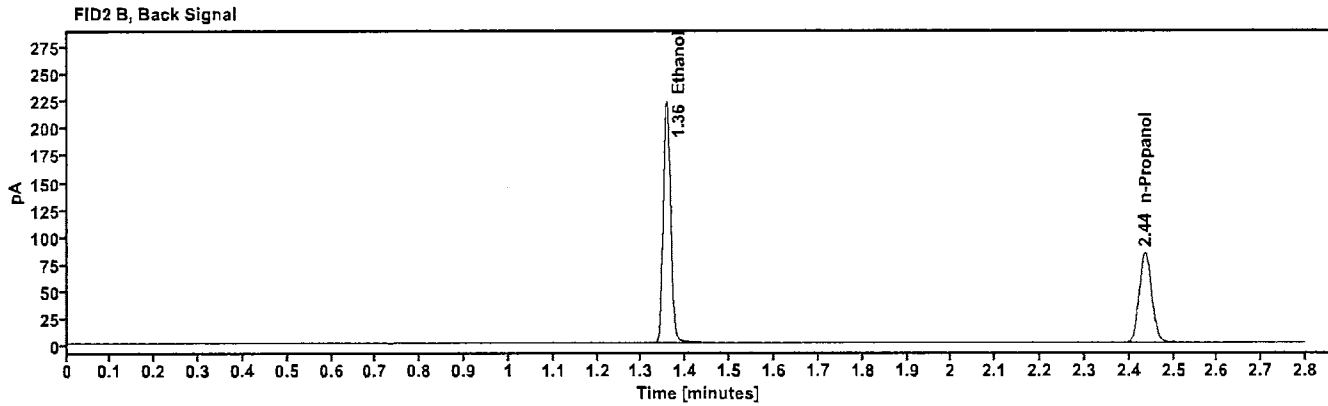
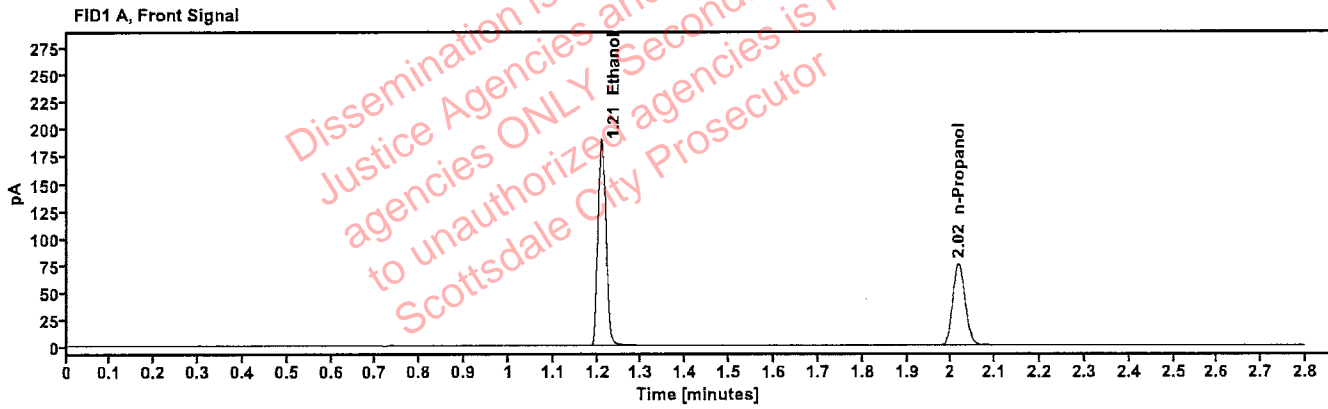


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	241.339
n-Propanol	2.017	149.122

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

Compound	Time (min)	Peak Area
Ethanol	1.356	266.158
n-Propanol	2.437	163.558

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	011823WB	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 12:39:25 PM
Data file:	C:\Chem321\Data\24Oct23\5.D	Analyst:	Brooke

YB

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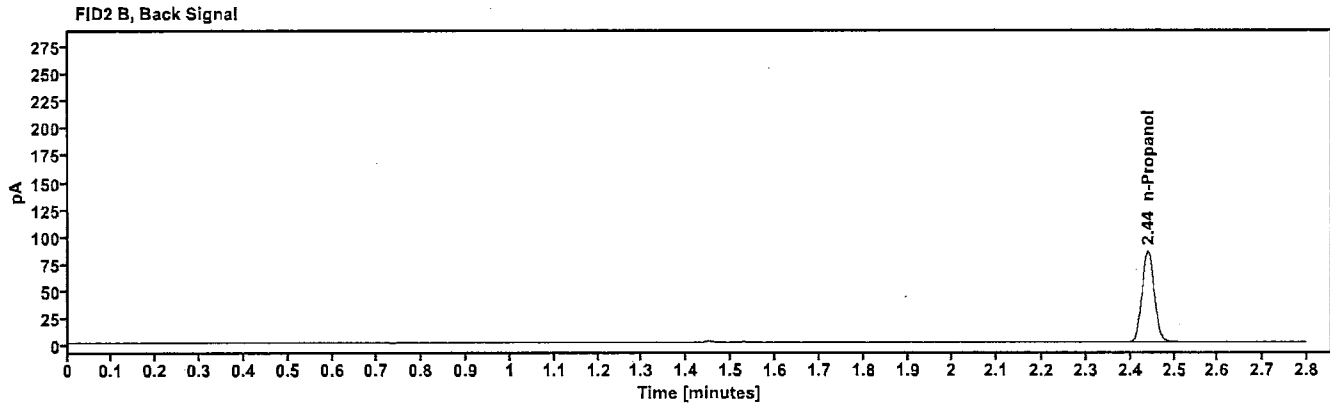
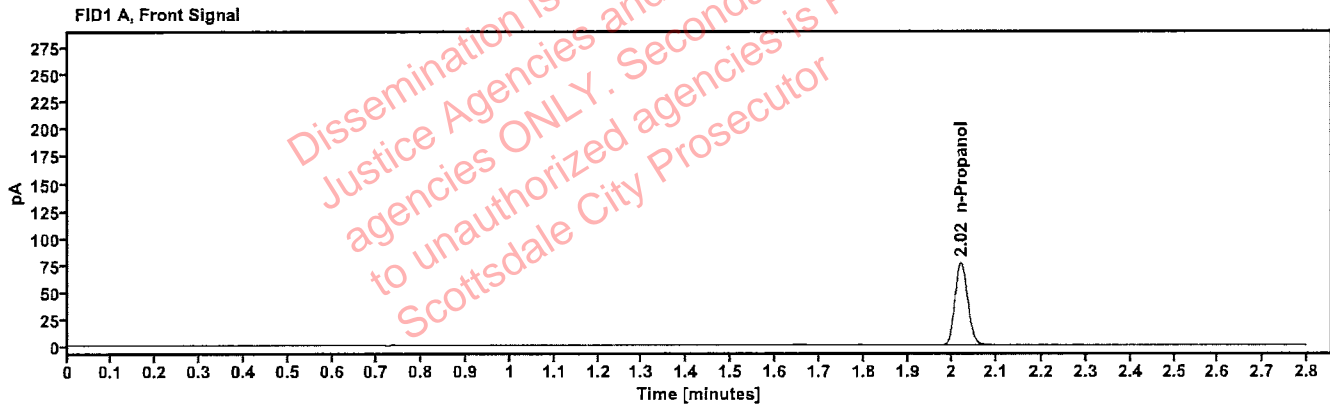


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.019	151.803

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

Compound	Time (min)	Peak Area
n-Propanol	2.439	166.774

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 12:43:25 PM
Data file:	C:\Chem32\1\Data\24Oct23\6.D	Analyst:	Brooke

YAB

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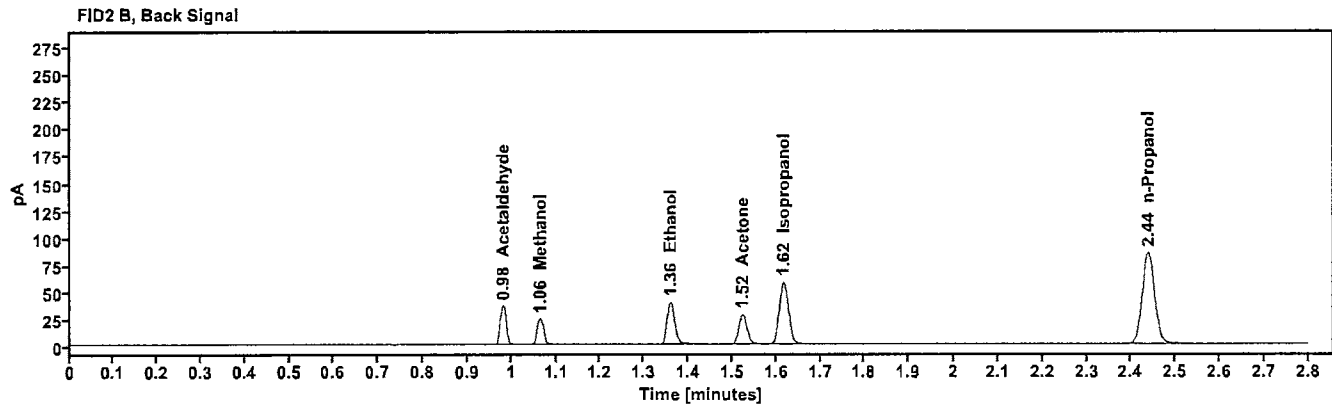
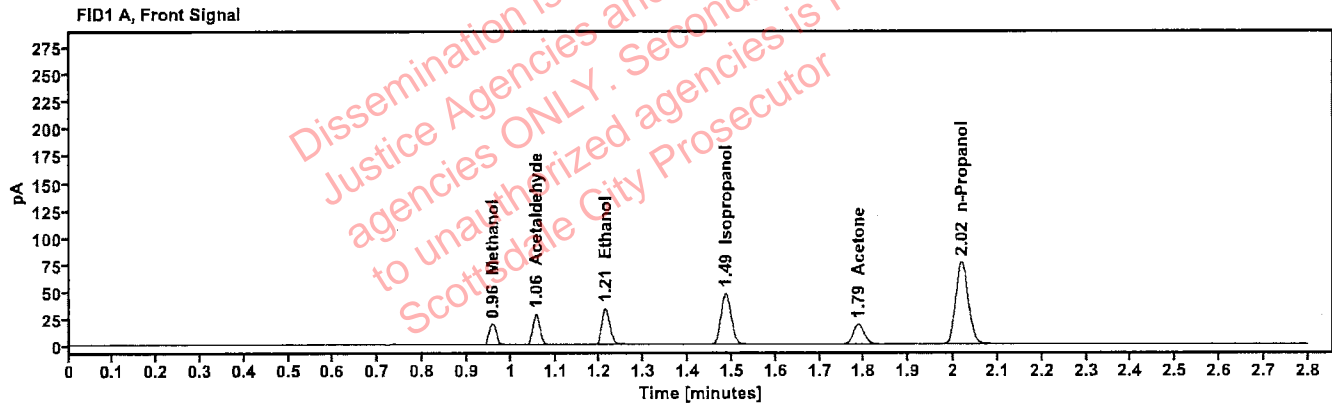


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.958	22.062
Acetaldehyde	-----	1.056	30.929
>Ethanol	0.0706	1.212	42.860
Isopropanol	-----	1.486	76.253
Acetone	-----	1.787	32.116
n-Propanol	-----	2.018	151.917

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	34.591
Methanol	1.064	24.553
Ethanol	1.359	47.314
Acetone	1.523	35.438
Isopropanol	1.618	84.655
n-Propanol	2.438	166.370

Scottsdale Police Department Crime Lab Volatiles Analysis

YAB

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 24Oct23
Instrument: US14173023 CN14160045	Injection date: 10/24/2023 12:47:41 PM
Data file: C:\Chem32\1\Data\24Oct23\7.D	Analyst: Brooke

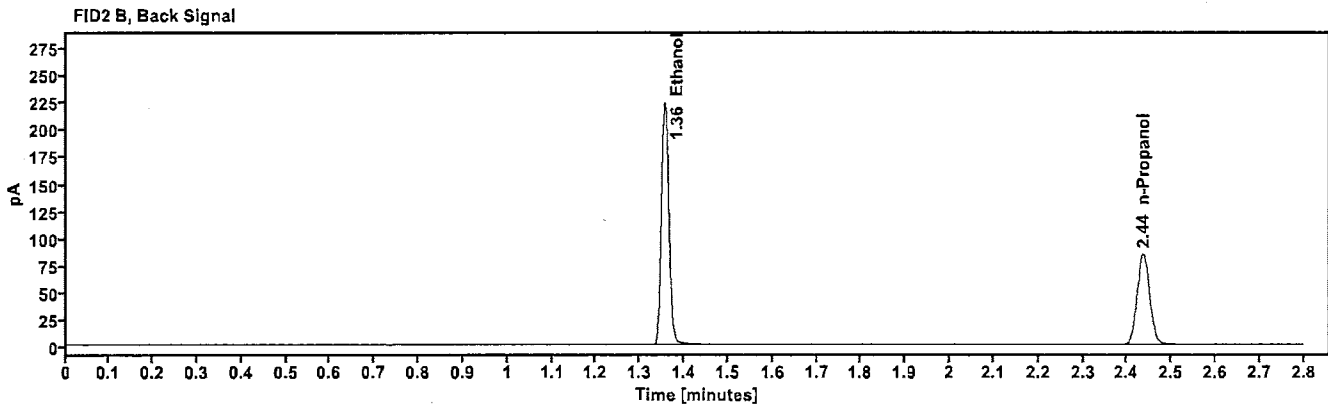
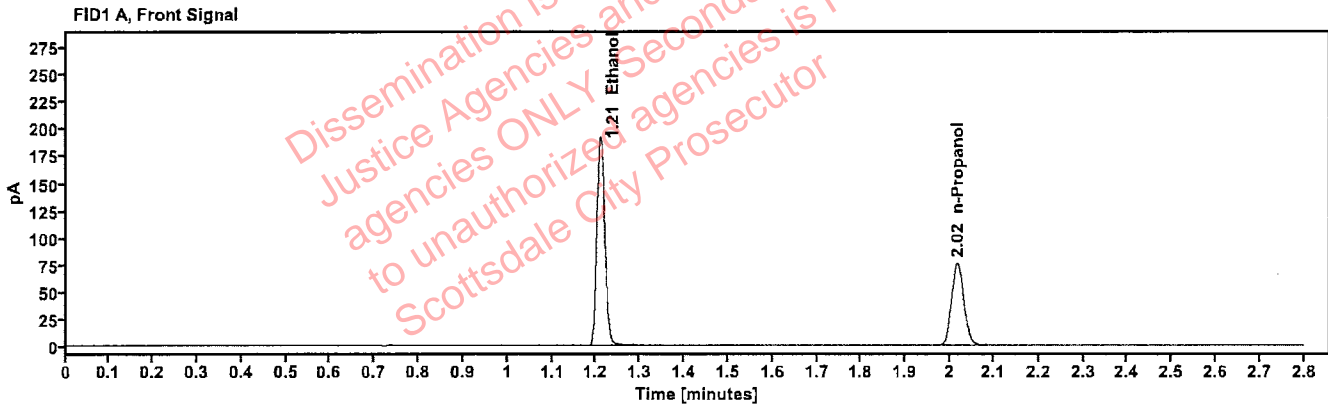


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3986	1.209	243.507
n-Propanol	-----	2.017	150.995

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

Compound	Time (min)	Peak Area
Ethanol	1.356	268.703
n-Propanol	2.436	165.512

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 12:51:40 PM
Data file:	C:\Chem32\1\Data\24Oct23\8.D	Analyst:	Brooke

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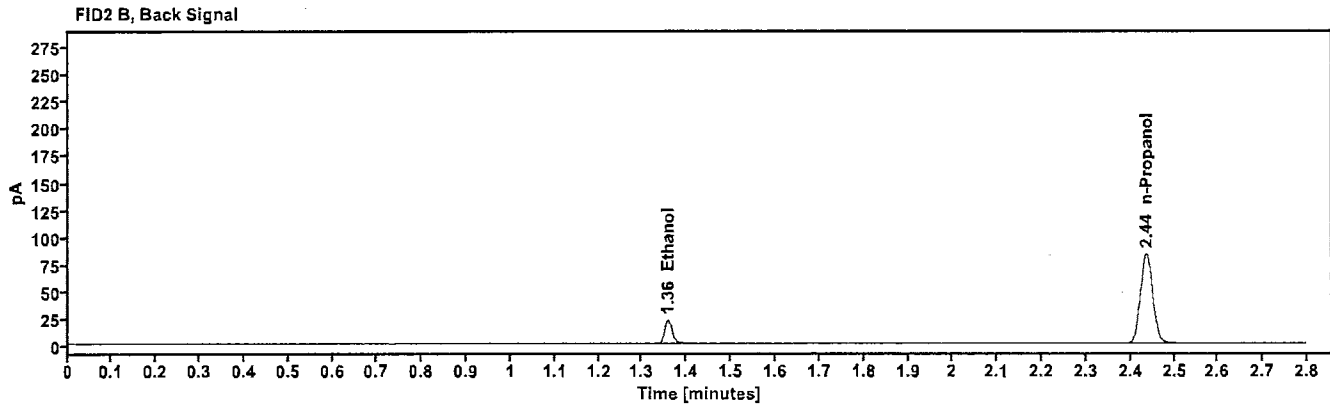
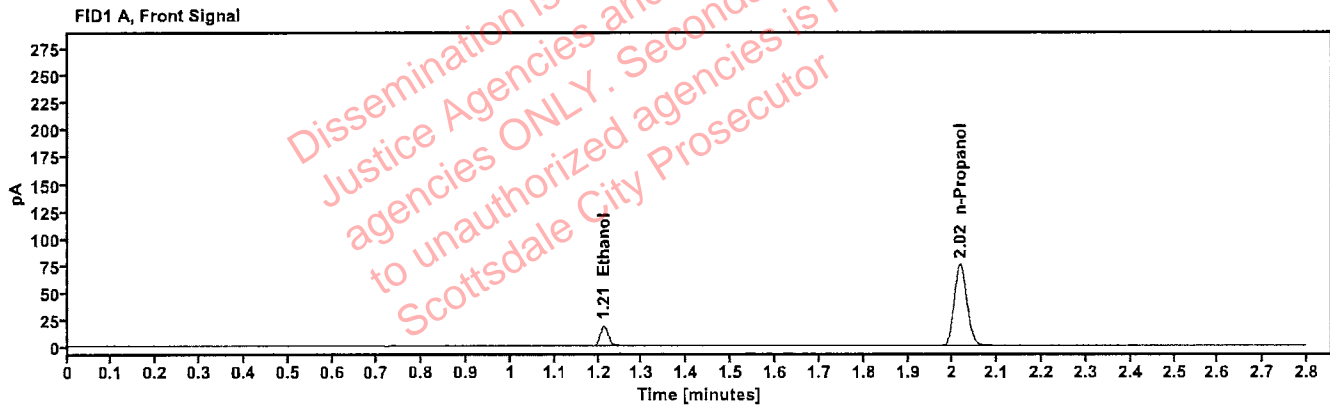


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0405	1.212	23.878
n-Propanol	-----	2.017	149.022

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

Compound	Time (min)	Peak Area
Ethanol	1.358	26.225
n-Propanol	2.436	163.408

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 24Oct23
Instrument: US14173023 CN14160045	Injection date: 10/24/2023 12:55:40 PM yrb
Data file: C:\Chem32\1\Data\24Oct23\9.D	Analyst: Brooke

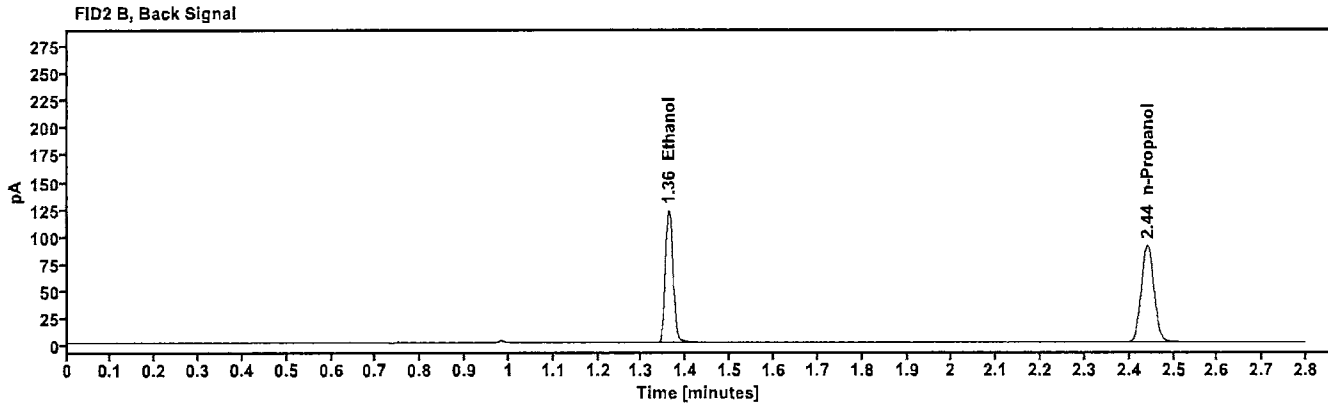
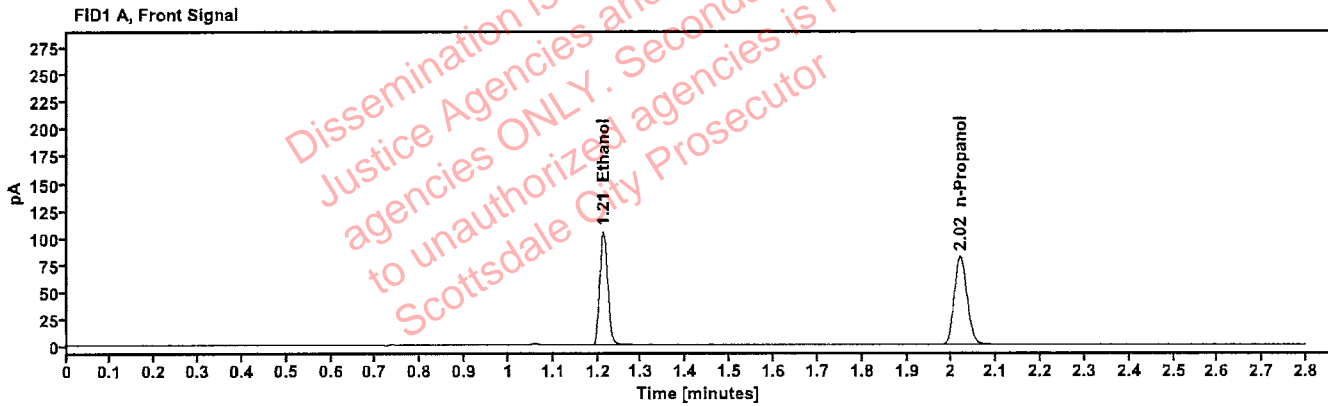


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2047	1.213	133.883
n-Propanol	-----	2.020	162.074

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

Compound	Time (min)	Peak Area
Ethanol	1.361	147.569
n-Propanol	2.440	177.687

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 24Oct23
Instrument: US14173023 CN14160045	Injection date: 10/24/2023 1:40:11 PM
Data file: C:\Chem32\1\Data\24Oct23\20.D	Analyst: Brooke

108

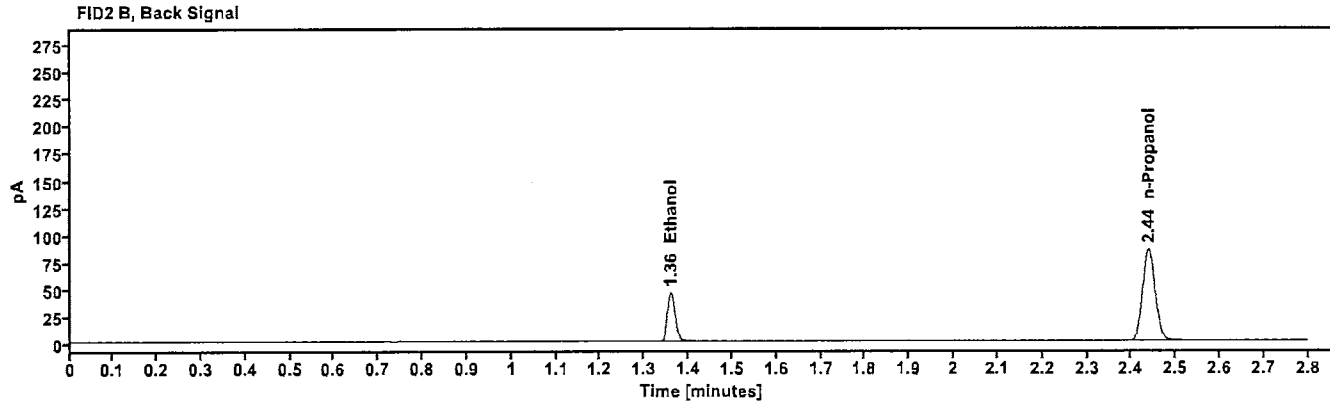
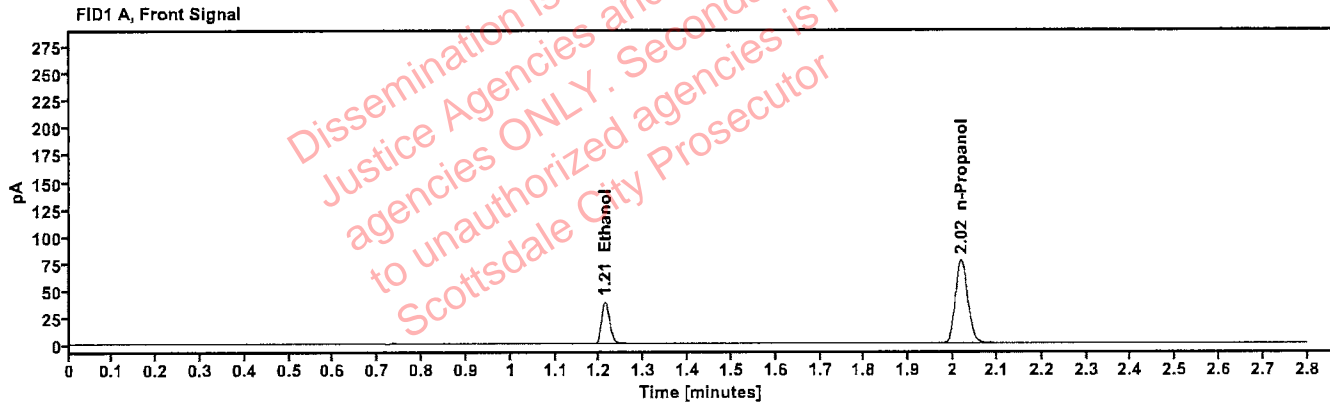


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0812	1.213	49.704
n-Propanol	-----	2.019	152.927

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

Compound	Time (min)	Peak Area
Ethanol	1.360	54.609
n-Propanol	2.439	167.456

Scottsdale Police Department Crime Lab Volatiles Analysis

1/10

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 24Oct23
Instrument: US14173023 CN14160045	Injection date: 10/24/2023 2:24:40 PM
Data file: C:\Chem32\1\Data\24Oct23\31.D	Analyst: Brooke

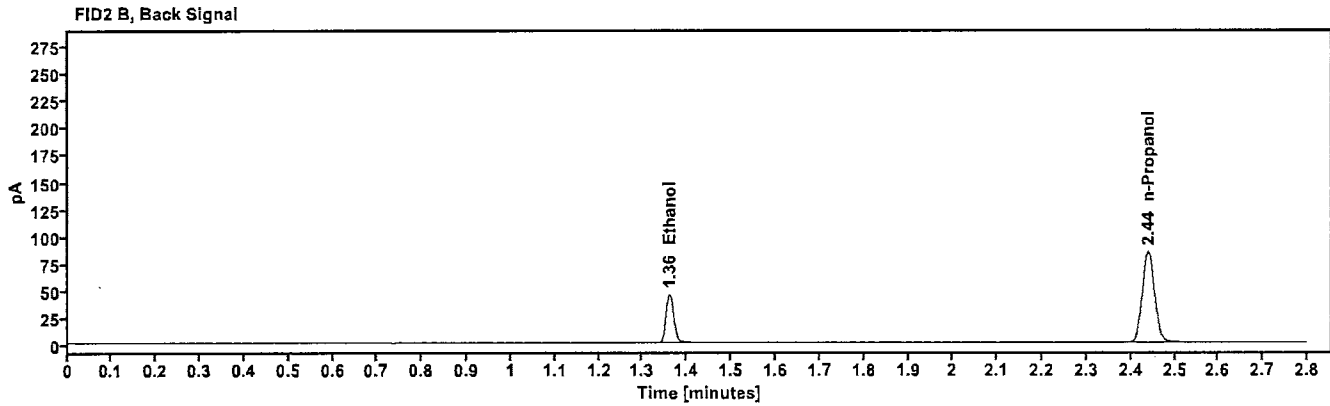
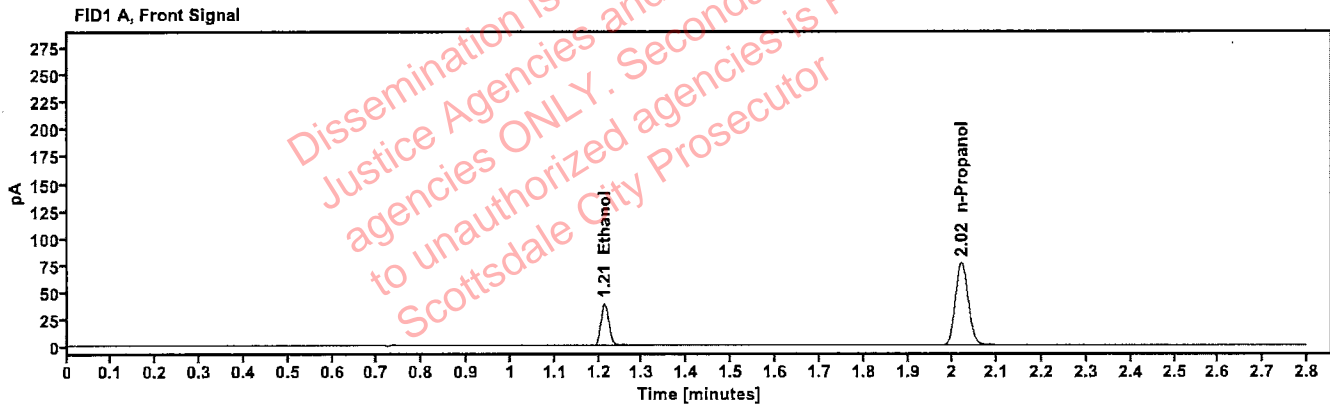


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0813	1.213	49.565
n-Propanol	-----	2.019	152.265

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

Compound	Time (min)	Peak Area
Ethanol	1.361	54.475
n-Propanol	2.439	166.812

Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample:	30012020-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 3:08:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\42.D	Analyst:	Brooke

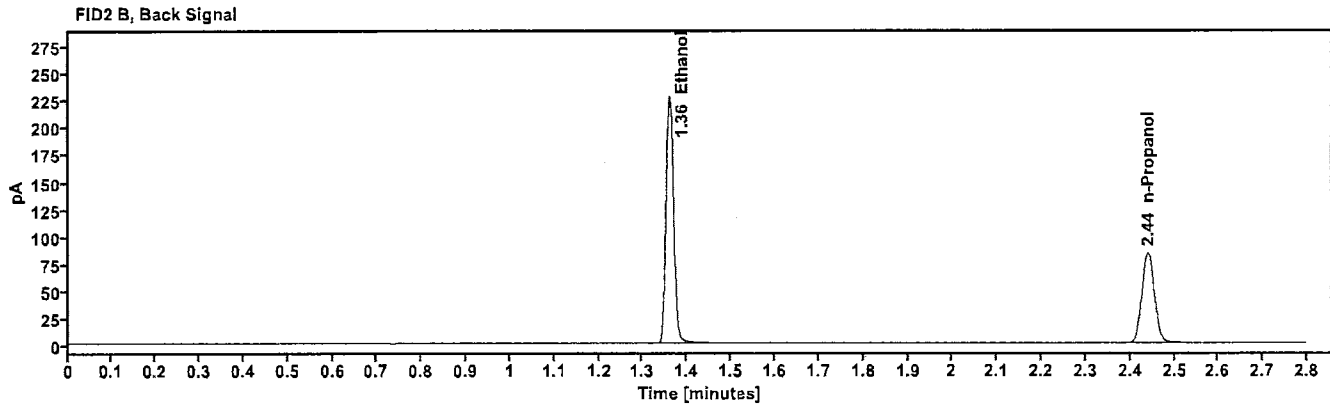
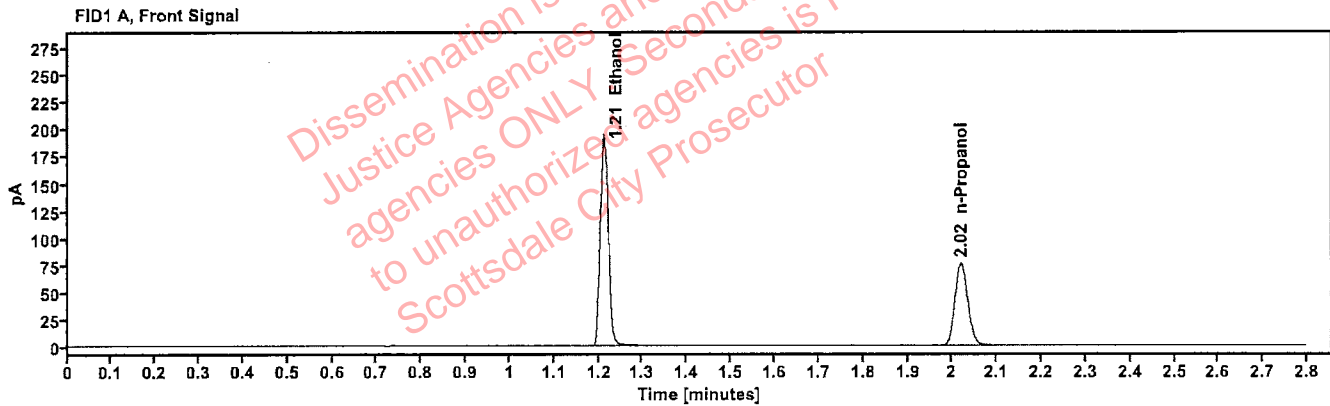


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4061	1.212	247.912
n-Propanol	----	2.020	150.874

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

Compound	Time (min)	Peak Area
Ethanol	1.360	274.092
n-Propanol	2.440	165.445

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 3:13:11 PM
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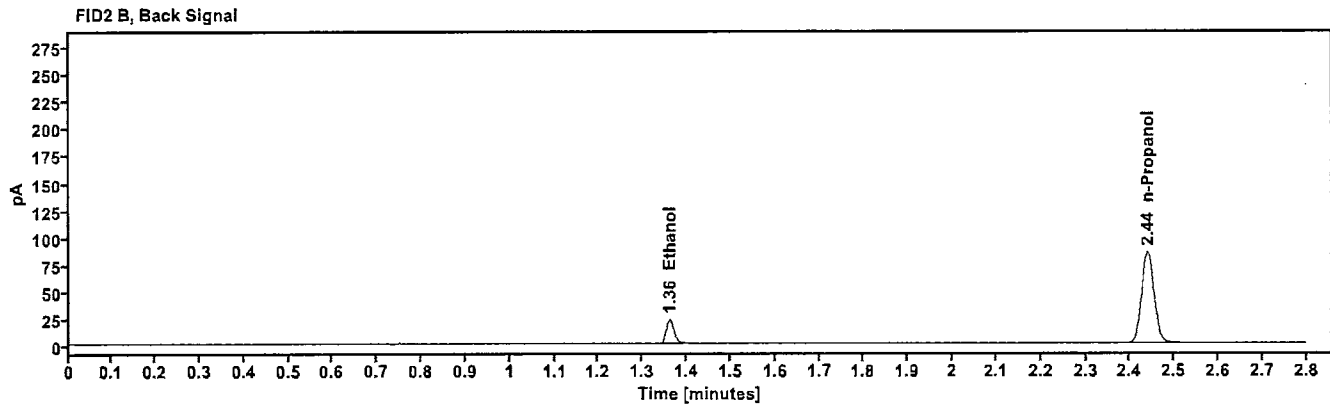
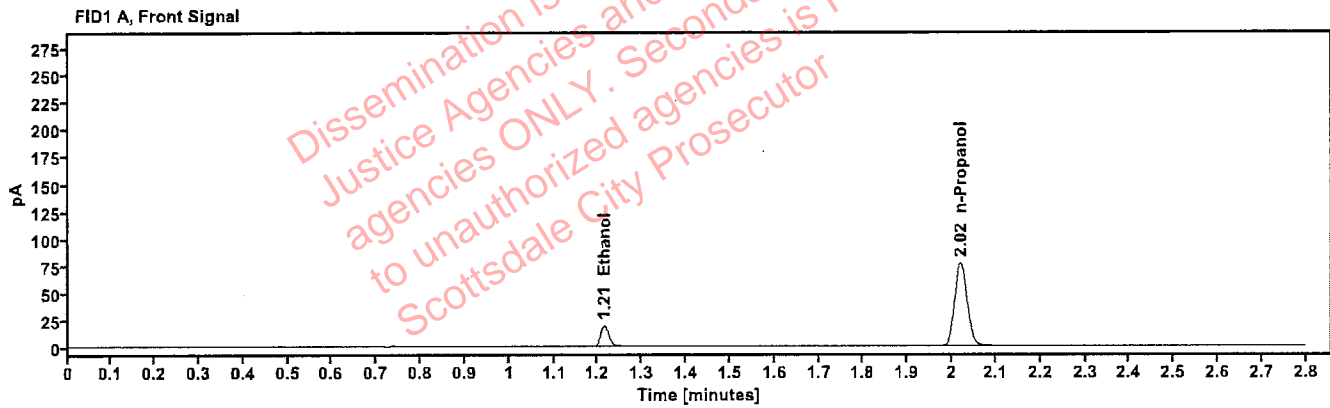


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0414	1.214	24.987
n-Propanol	-----	2.020	152.727

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

Compound	Time (min)	Peak Area
Ethanol	1.361	27.525
n-Propanol	2.440	167.290

Scottsdale Police Department Crime Lab Volatiles Analysis

RB

Sample: 4110320133/11	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 24Oct23
Instrument: US14173023 CN14160045	Injection date: 10/24/2023 3:17:11 PM
Data file: C:\Chem32\1\Data\24Oct23\44.D	Analyst: Brooke

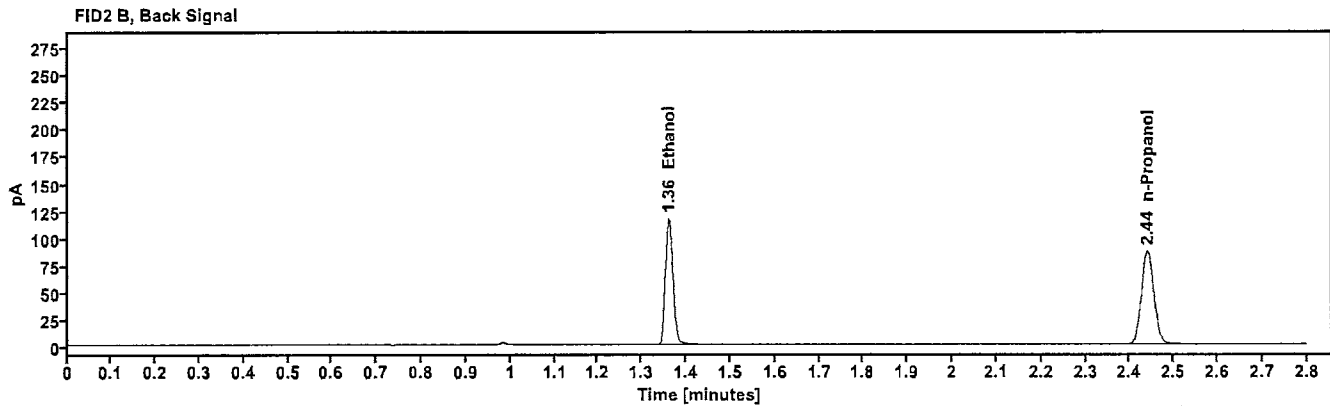
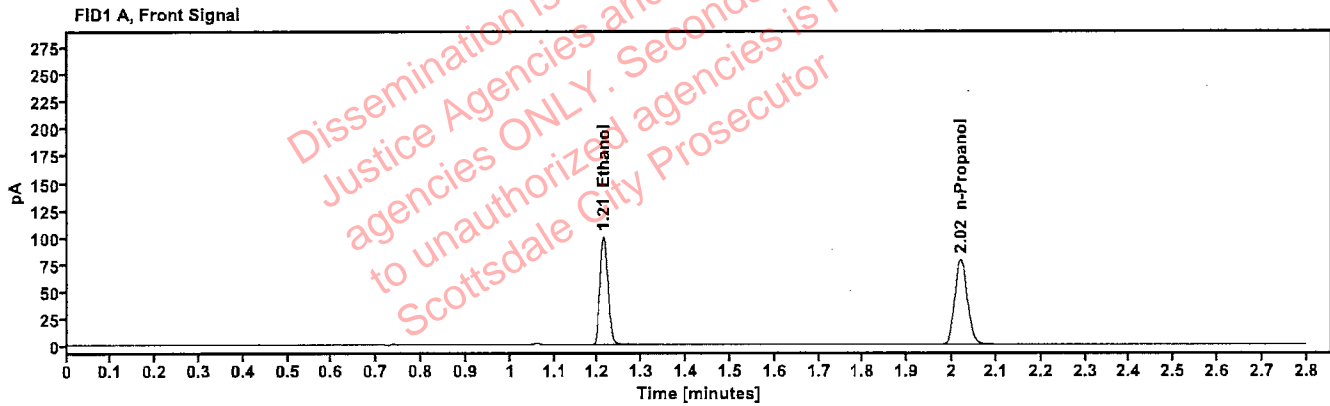


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2024	1.213	127.391
n-Propanol	-----	2.020	155.956

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

Compound	Time (min)	Peak Area
Ethanol	1.360	140.281
n-Propanol	2.440	170.980

Scottsdale Police Department Crime Lab Volatiles Analysis

TB

Sample:	092223AQ	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 3:21:10 PM
Data file:	C:\Chem32\1\Data\24Oct23\45.D	Analyst:	Brooke

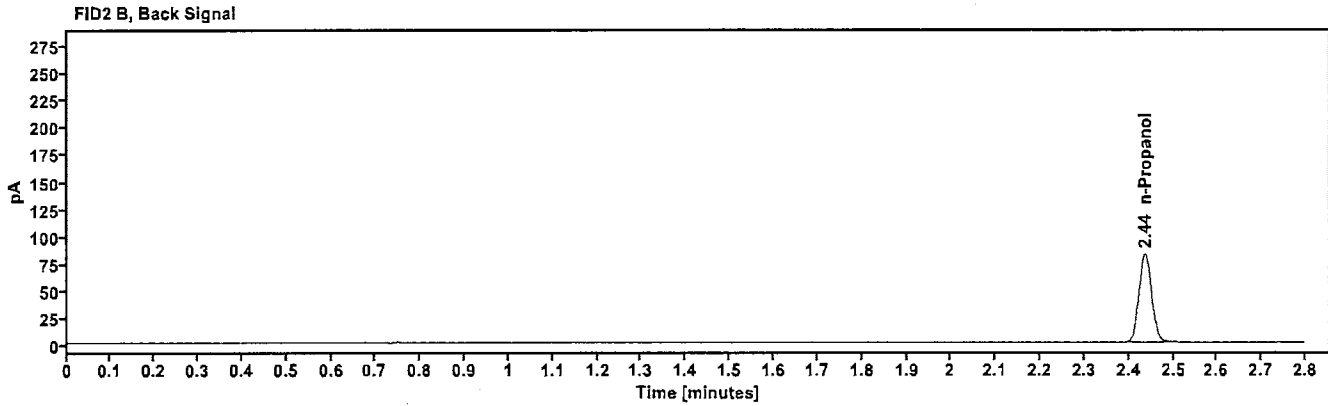
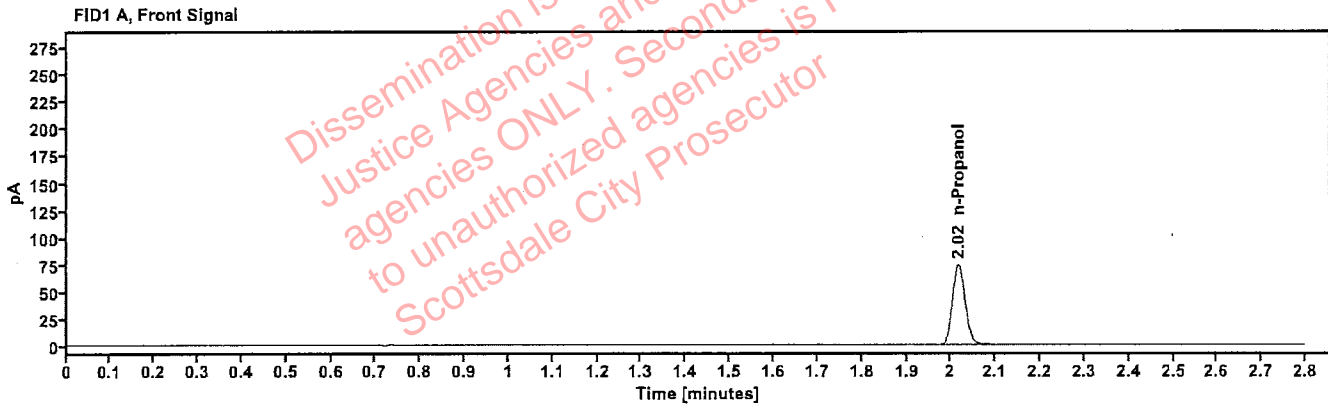


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	147.257

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	161.436

Sequence Summary

Sequence name: 24Oct23 Instrument: US14173023 CN14160045 Analyst: Brooke

RS

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN11172002	0.100 calibrator	Calibration		ethanol quant.M
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	2301123-2				ethanol quant.M
11	2301123-2				ethanol quant.M
12	2319961-3				ethanol quant.M
13	2319961-3				ethanol quant.M
14	2320935-1				ethanol quant.M
15	2320935-1				ethanol quant.M
16	2319435-2				ethanol quant.M
17	2319435-2				ethanol quant.M
18	2321002-2				ethanol quant.M
19	2321002-2				ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2321005-3				ethanol quant.M
22	2321005-3				ethanol quant.M
23	2321223-2				ethanol quant.M
24	2321223-2				ethanol quant.M
25	2321232-1				ethanol quant.M
26	2321232-1				ethanol quant.M
27	2321230-2				ethanol quant.M
28	2321230-2				ethanol quant.M
29	2321235-2				ethanol quant.M
30	2321235-2				ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	422-01M.L.				ethanol quant.M
33	422-01M.L.				ethanol quant.M
34	2321418-2				ethanol quant.M
35	2321418-2				ethanol quant.M
36	2321296-1				ethanol quant.M
37	2321296-1				ethanol quant.M
38	2321631-2				ethanol quant.M
39	2321631-2				ethanol quant.M
40	2321825-2				ethanol quant.M
41	2321825-2				ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/11	0.199	Control		ethanol quant.M
45	092223AQ	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

190

SEQUENCE NAME: 24Oct23

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1236	0.1223	0.12295	0.53	0.00065
12 13	0.2198	0.2227	0.22125	0.66	0.00145
14 15	0.2750	0.2756	0.27530	0.11	0.00030
16 17	0.2401	0.2420	0.24105	0.39	0.00095
18 19	0.2770	0.2768	0.27690	0.04	0.00010
21 22	0.1961	0.1958	0.19595	0.08	0.00015
23 24	0.1663	0.1700	0.16815	1.10	0.00185
25 26	0.1293	0.1300	0.12965	0.27	0.00035
27 28	0.1715	0.1715	0.17150	0.00	0.00000
29 30	0.2649	0.2673	0.26610	0.45	0.00120
32 33	0.1710	0.1705	0.17075	0.15	0.00025
34 35	0.1629	0.1622	0.16255	0.22	0.00035
36 37	0.0345	0.0346	0.03455	0.14	0.00005
38 39	0.1127	0.1120	0.11235	0.31	0.00035
40 41	0.1922	0.1879	0.19005	1.13	0.00215

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

Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

ANALYST: Brooke

SEQUENCE: 24Oct23

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2301123-2	2301123-2	2301123-2	Yes
Vials 12 and 13	2319961-3	2319961-3	2319961-3	Yes
Vials 14 and 15	2320935-1	2320935-1	2320935-1	Yes
Vials 16 and 17	2319435-2	2319435-2	2319435-2	Yes
Vials 18 and 19	2321002-2	2321002-2	2321002-2	Yes
Vials 21 and 22	2321005-3	2321005-3	2321005-3	Yes
Vials 23 and 24	2321223-2	2321223-2	2321223-2	Yes
Vials 25 and 26	2321232-1	2321232-1	2321232-1	Yes
Vials 27 and 28	2321230-2	2321230-2	2321230-2	Yes
Vials 29 and 30	2321235-2	2321235-2	2321235-2	Yes
Vials 32 and 33	422-01M.L.	422-01M.L.	422-01M.L.	Yes
Vials 34 and 35	2321418-2	2321418-2	2321418-2	Yes
Vials 36 and 37	2321296-1	2321296-1	2321296-1	Yes
Vials 38 and 39	2321631-2	2321631-2	2321631-2	Yes
Vials 40 and 41	2321825-2	2321825-2	2321825-2	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301123-2	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 12:59:41 PM
Data file:	C:\Chem32\1\Data\24Oct23\10.D	Analyst:	Brooke

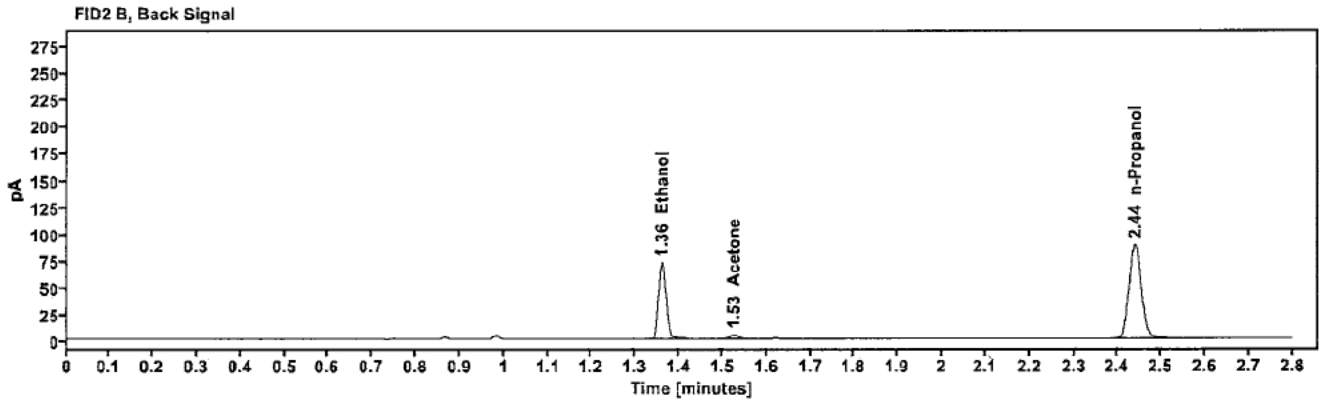
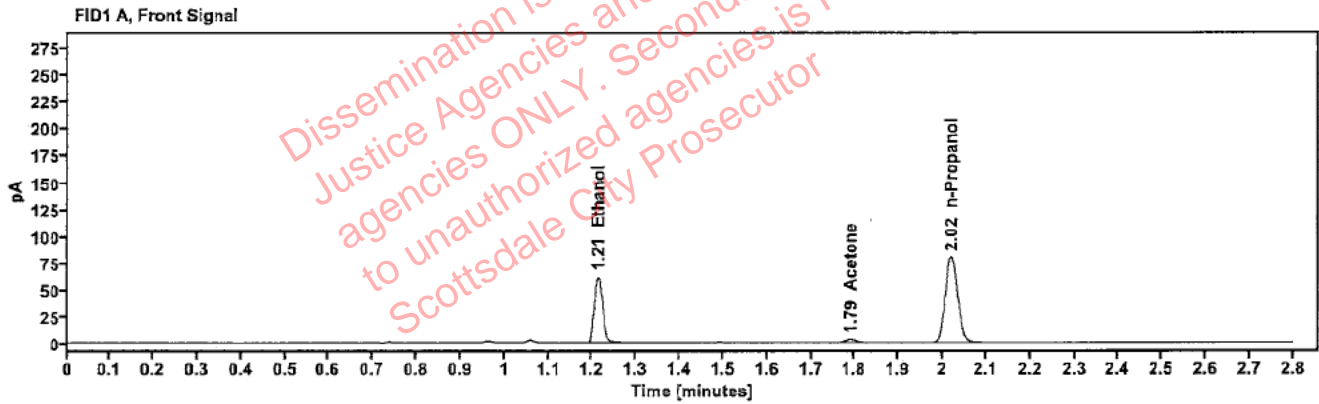


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1236	1.213	79.093
Acetone	-----	1.790	5.135
n-Propanol	-----	2.020	159.063

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

Compound	Time (min)	Peak Area
Ethanol	1.361	87.010
Acetone	1.526	5.517
n-Propanol	2.440	174.341

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2301123-2	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:03:41 PM
Data file:	C:\Chem32\1\Data\24Oct23\11.D	Analyst:	Brooke

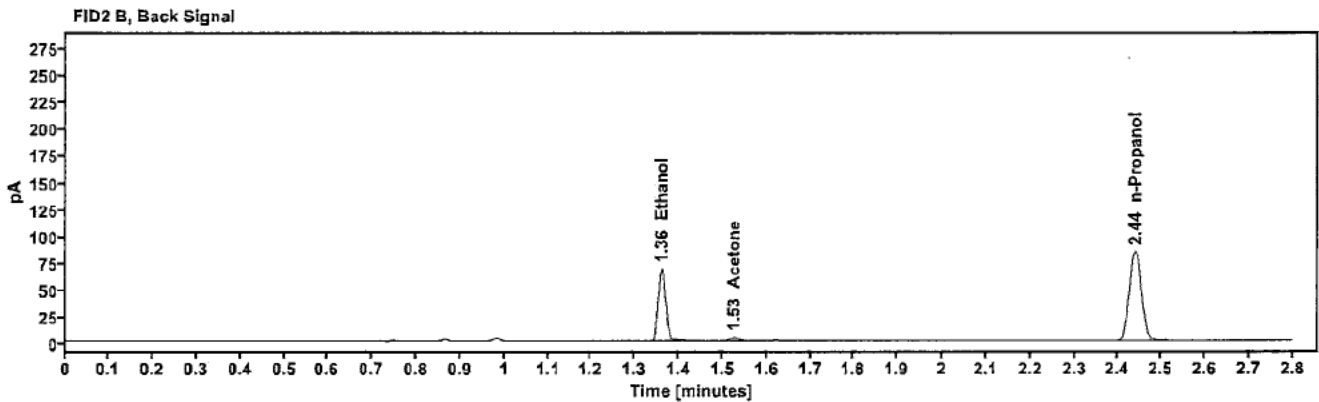
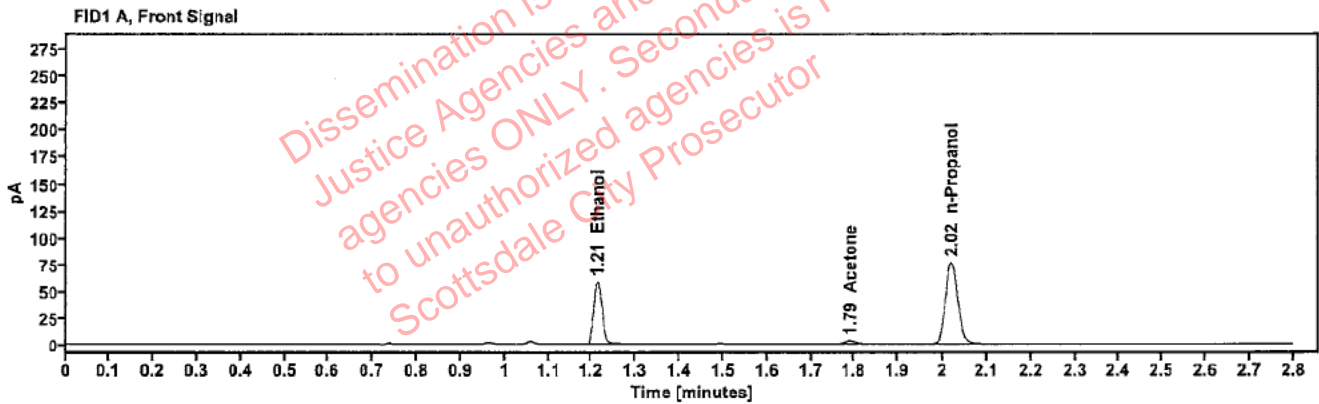


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1223	1.213	74.752
Acetone	---	1.790	4.977
n-Propanol	---	2.019	151.959

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

Compound	Time (min)	Peak Area
Ethanol	1.360	82.186
Acetone	1.525	5.374
n-Propanol	2.439	166.569

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319961-3	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:07:40 PM
Data file:	C:\Chem32\1\Data\24Oct23\12.D	Analyst:	Brooke

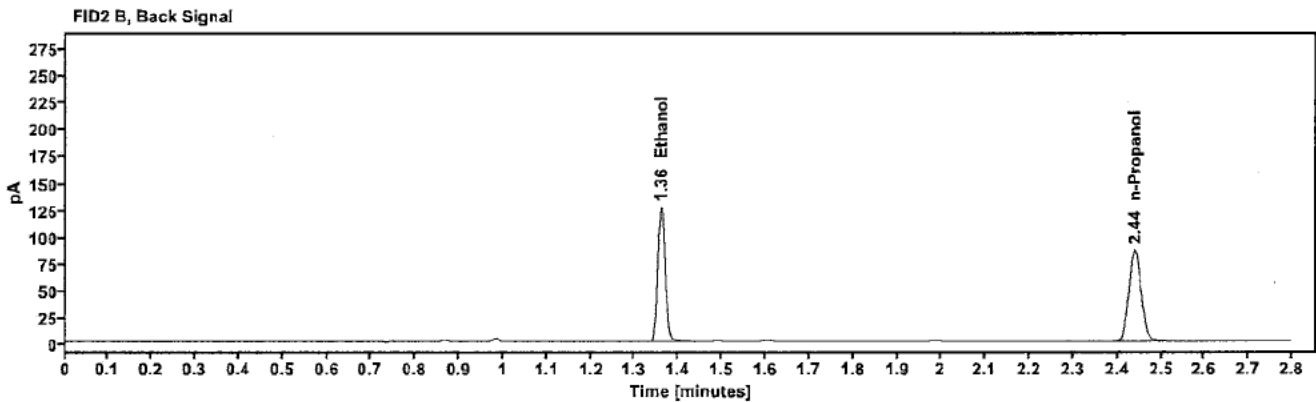
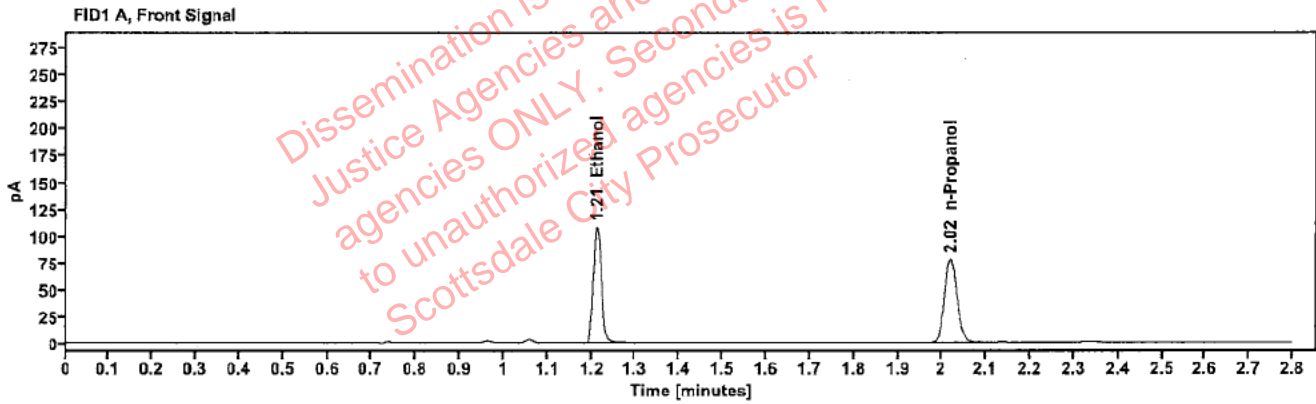


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2198	1.212	137.688
n-Propanol	---	2.019	155.150

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

Compound	Time (min)	Peak Area
Ethanol	1.360	152.947
n-Propanol	2.440	169.588

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319961-3	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:11:55 PM
Data file:	C:\Chem32\1\Data\24Oct23\13.D	Analyst:	Brooke

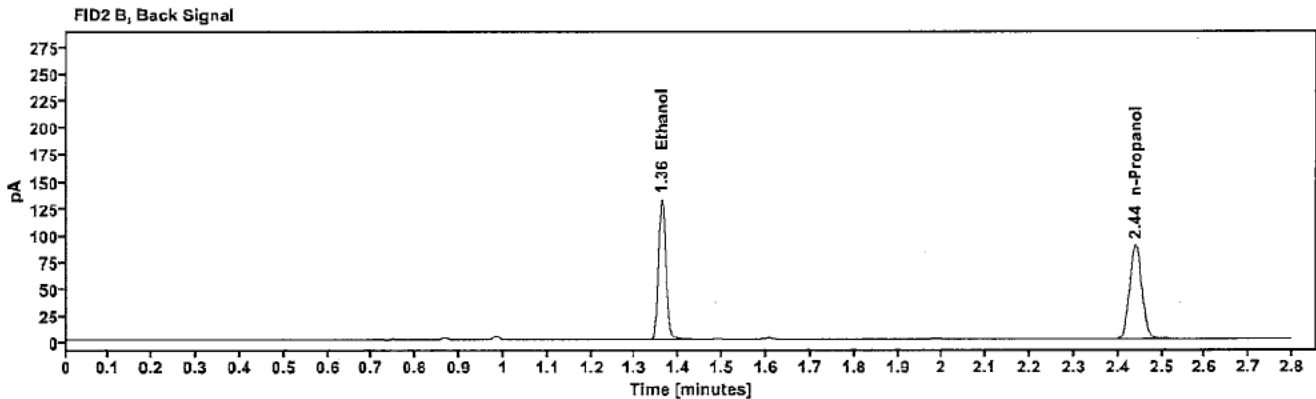
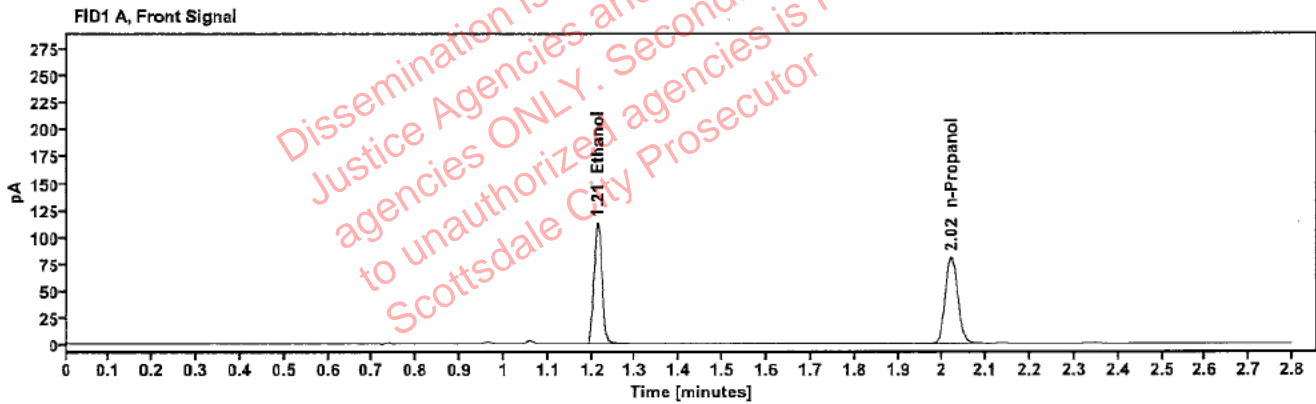


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2227	1.213	144.242
n-Propanol	---	2.020	160.393

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

Compound	Time (min)	Peak Area
Ethanol	1.361	158.925
n-Propanol	2.440	175.348

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320935-1	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:15:55 PM
Data file:	C:\Chem32\1\Data\24Oct23\14.D	Analyst:	Brooke

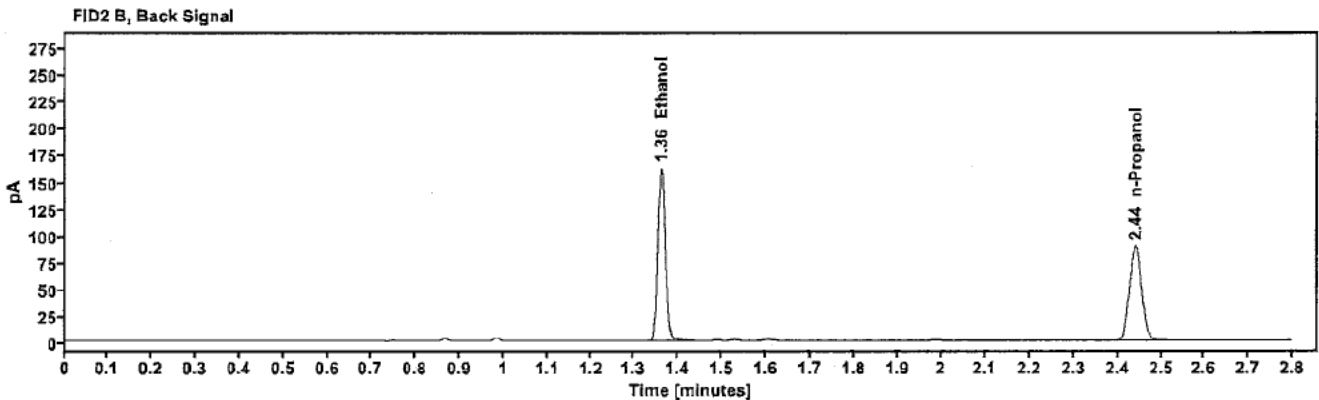
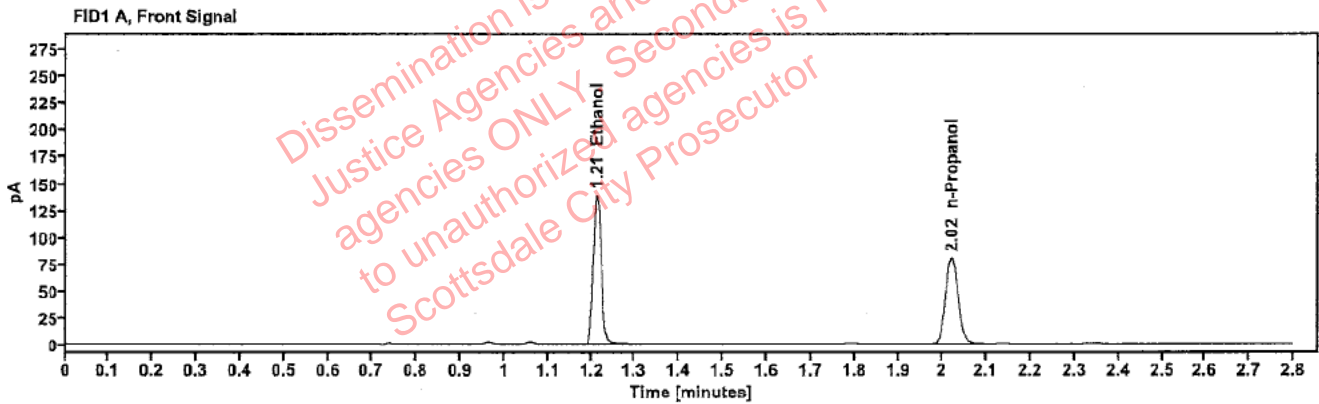


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2750	1.213	177.475
n-Propanol	-----	2.020	159.687

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

Compound	Time (min)	Peak Area
Ethanol	1.361	195.757
n-Propanol	2.440	175.540

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320935-1	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:19:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\15.D	Analyst:	Brooke

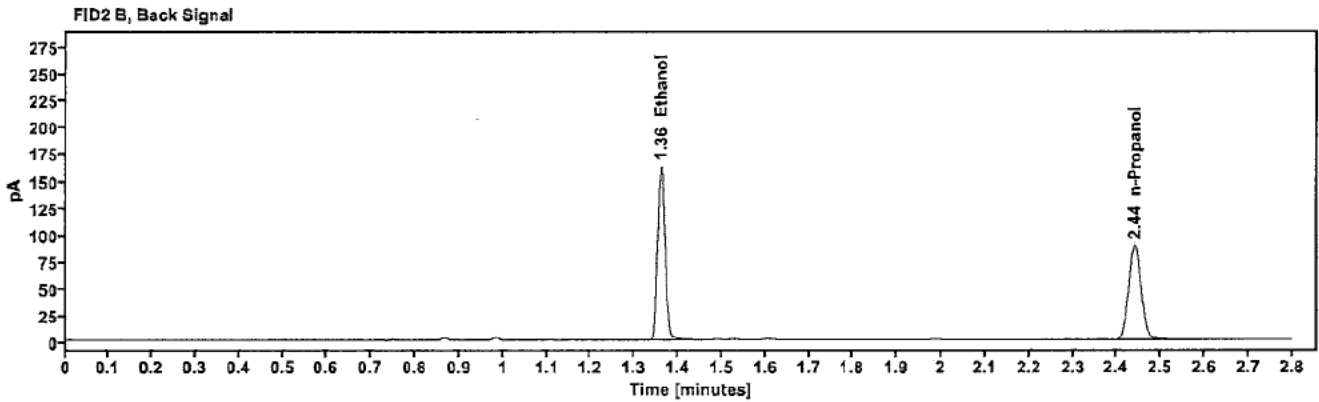
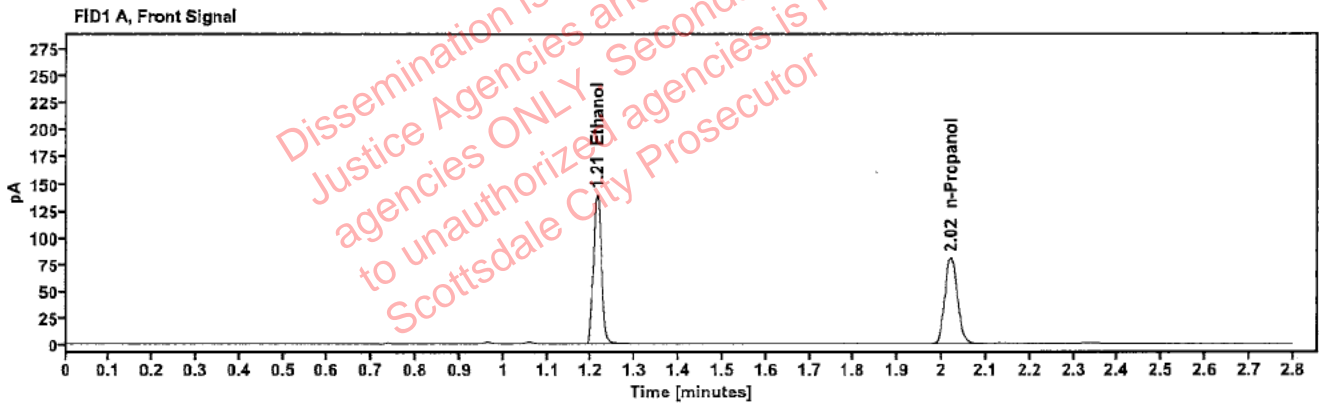


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2756	1.213	177.832
n-Propanol	---	2.020	159.682

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

Compound	Time (min)	Peak Area
Ethanol	1.361	197.334
n-Propanol	2.441	175.431

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319435-2	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:23:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\16.D	Analyst:	Brooke

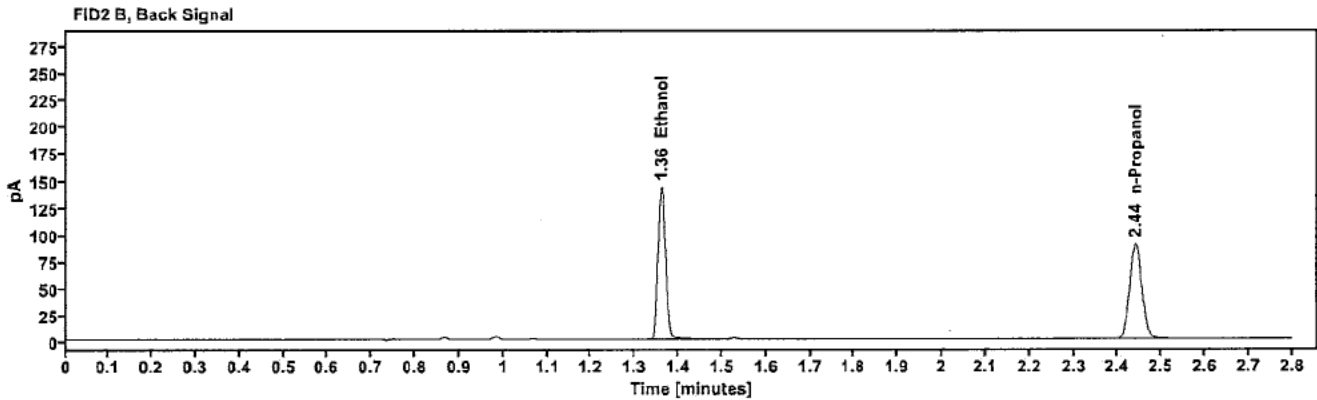
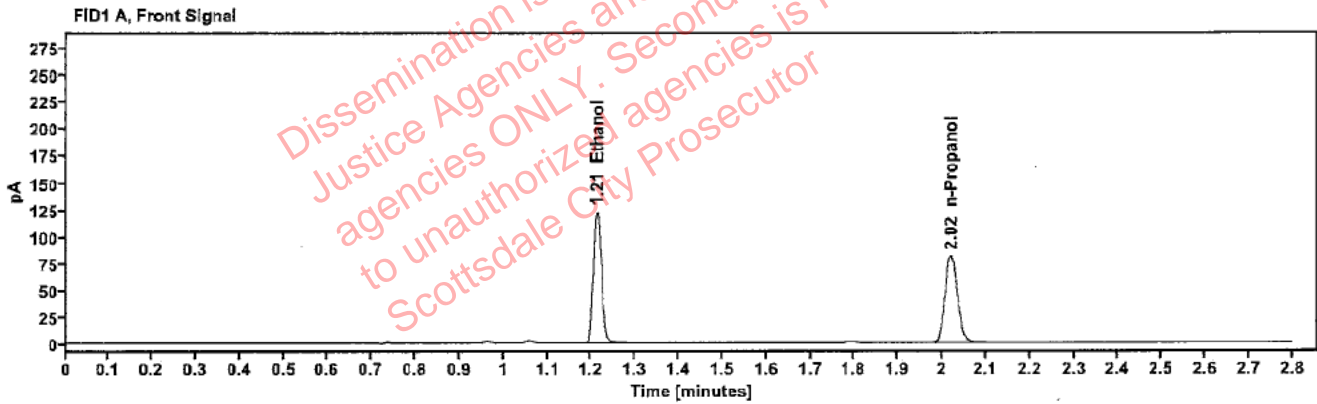


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2401	1.213	156.660
n-Propanol	---	2.020	161.554

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

Compound	Time (min)	Peak Area
Ethanol	1.361	172.760
n-Propanol	2.440	176.953

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319435-2	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:27:55 PM
Data file:	C:\Chem32\1\Data\24Oct23\17.D	Analyst:	Brooke

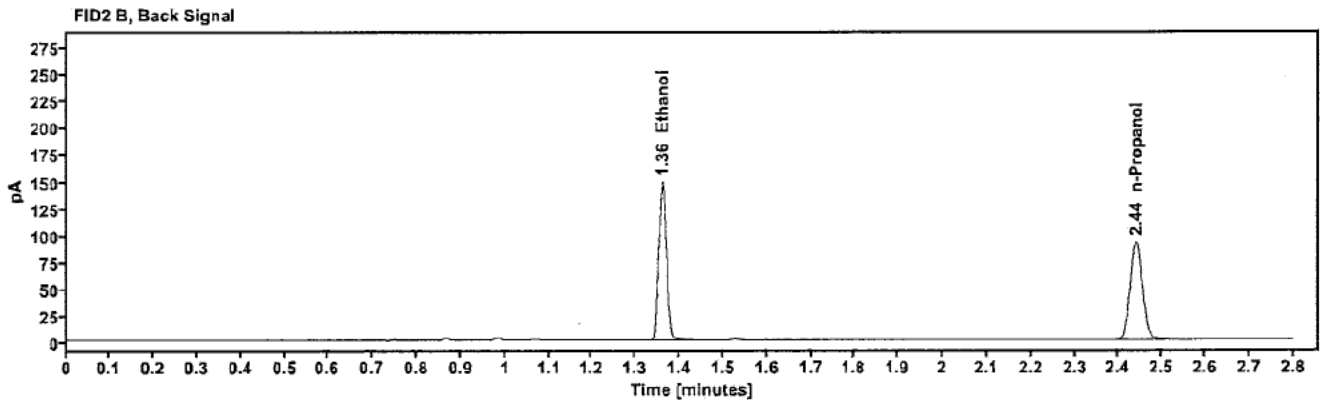
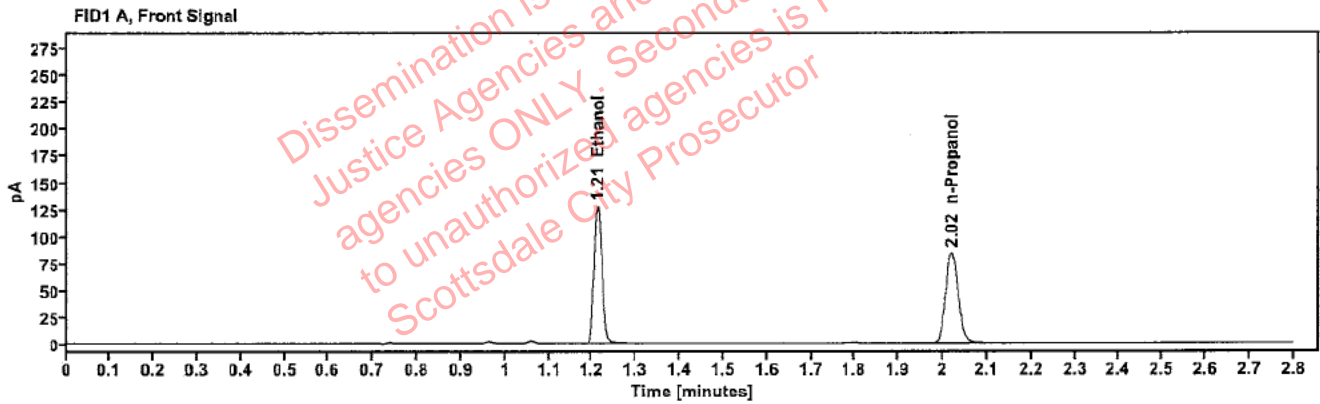


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2420	1.213	162.574
n-Propanol	---	2.020	166.344

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

Compound	Time (min)	Peak Area
Ethanol	1.361	179.094
n-Propanol	2.440	182.254

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321002-2	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:31:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\18.D	Analyst:	Brooke

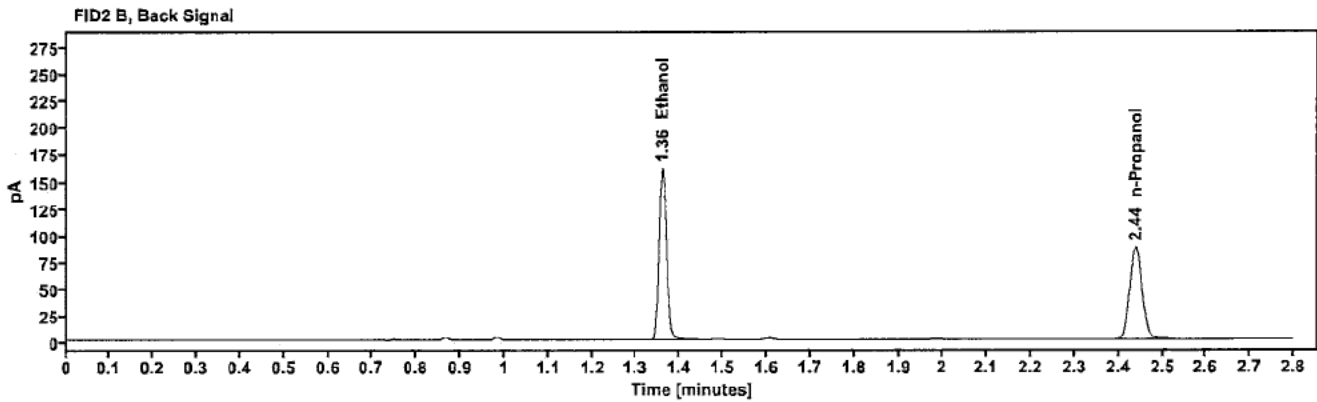
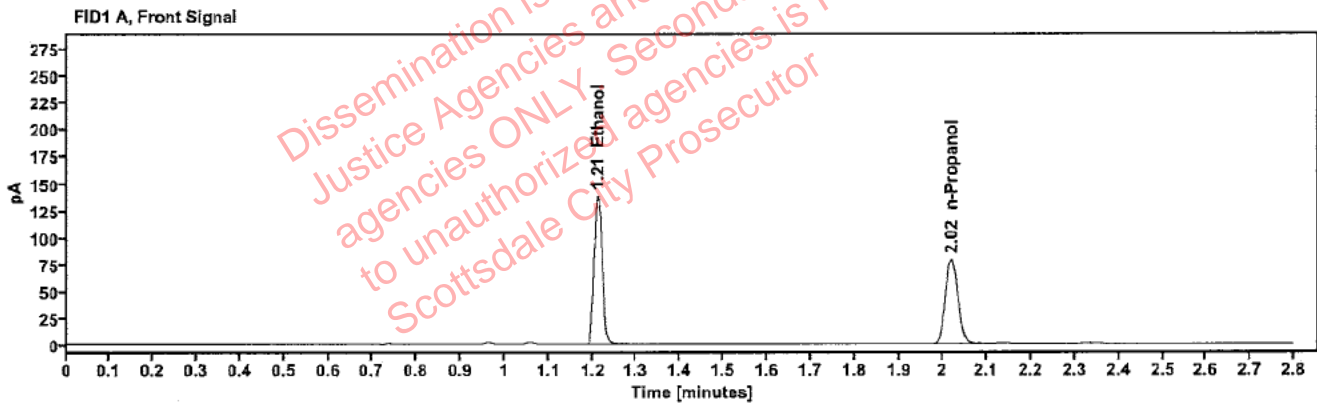


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2770	1.212	175.786
n-Propanol	-----	2.019	157.047

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

Compound	Time (min)	Peak Area
Ethanol	1.360	194.018
n-Propanol	2.439	171.537

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321002-2	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:36:11 PM
Data file:	C:\Chem32\1\Data\24Oct23\19.D	Analyst:	Brooke

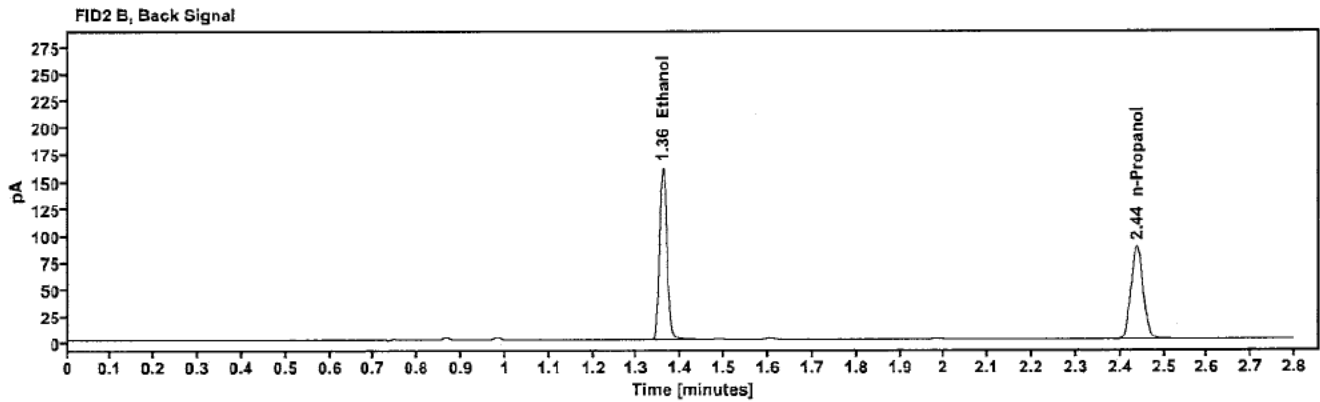
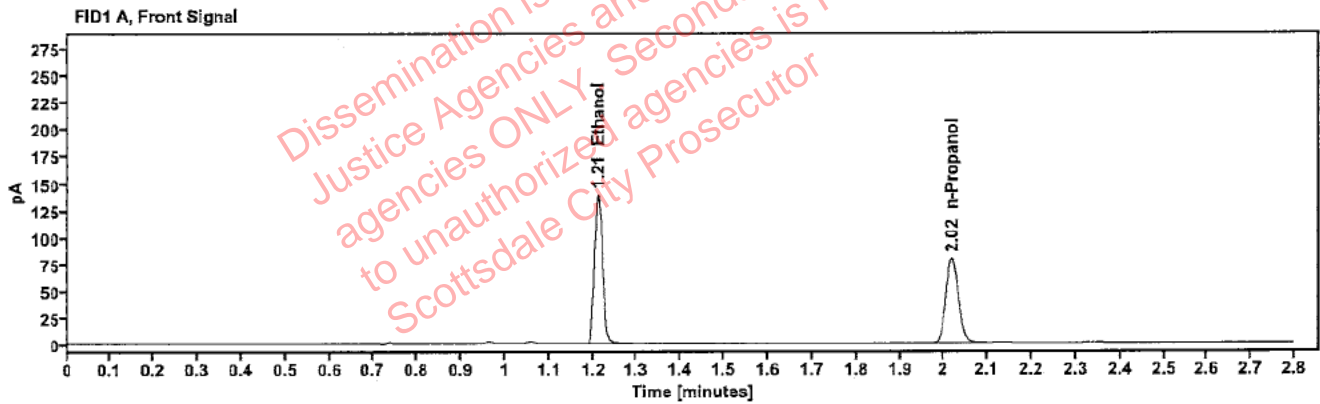


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2768	1.211	177.220
n-Propanol	---	2.018	158.395

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

Compound	Time (min)	Peak Area
Ethanol	1.359	195.877
n-Propanol	2.438	172.308

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321005-3	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:44:11 PM
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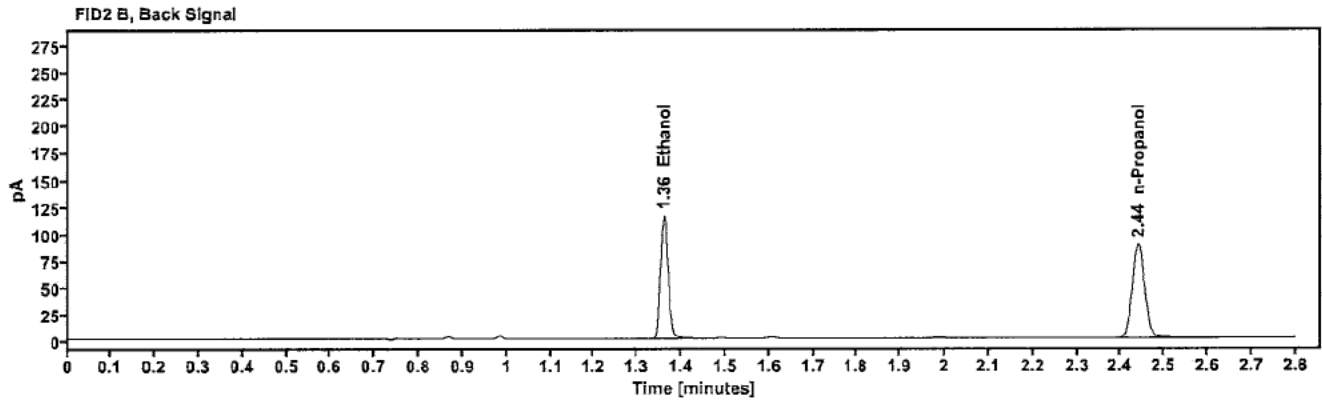
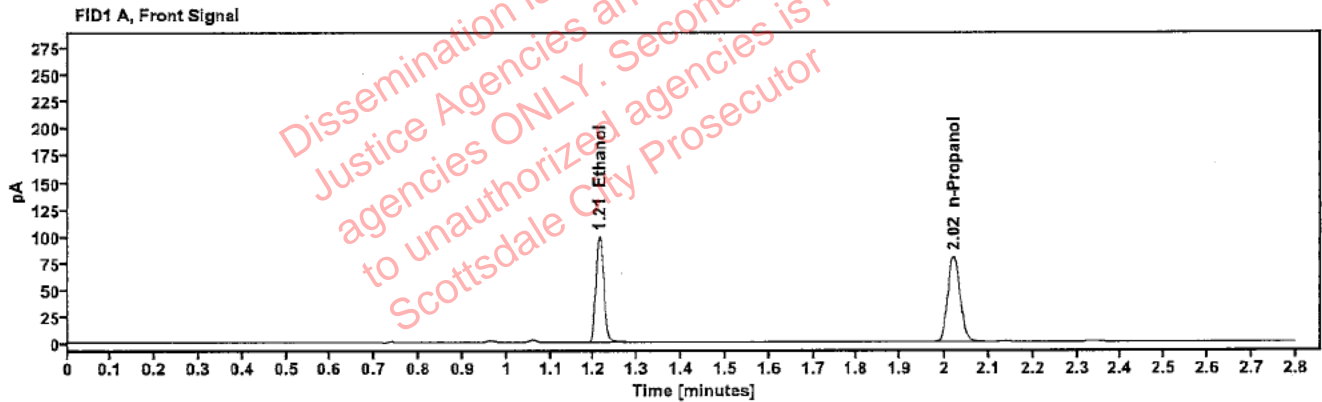


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1961	1.213	126.742
n-Propanol	-----	2.020	160.150

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

Compound	Time (min)	Peak Area
Ethanol	1.361	139.623
n-Propanol	2.440	174.978

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321005-3	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:48:11 PM
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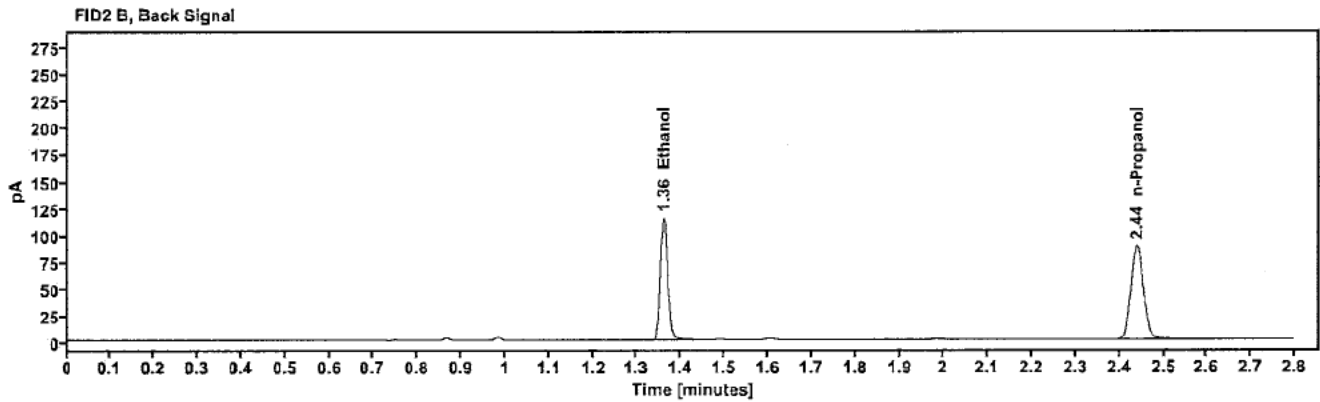
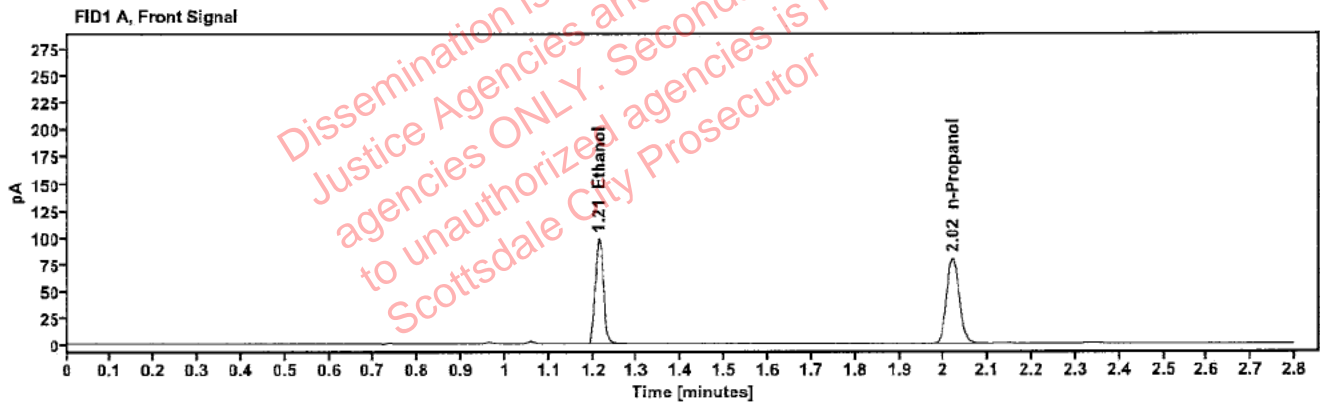


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1958	1.213	125.944
n-Propanol	-----	2.020	159.413

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

Compound	Time (min)	Peak Area
Ethanol	1.361	138.933
n-Propanol	2.440	173.841

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321223-2	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:52:11 PM
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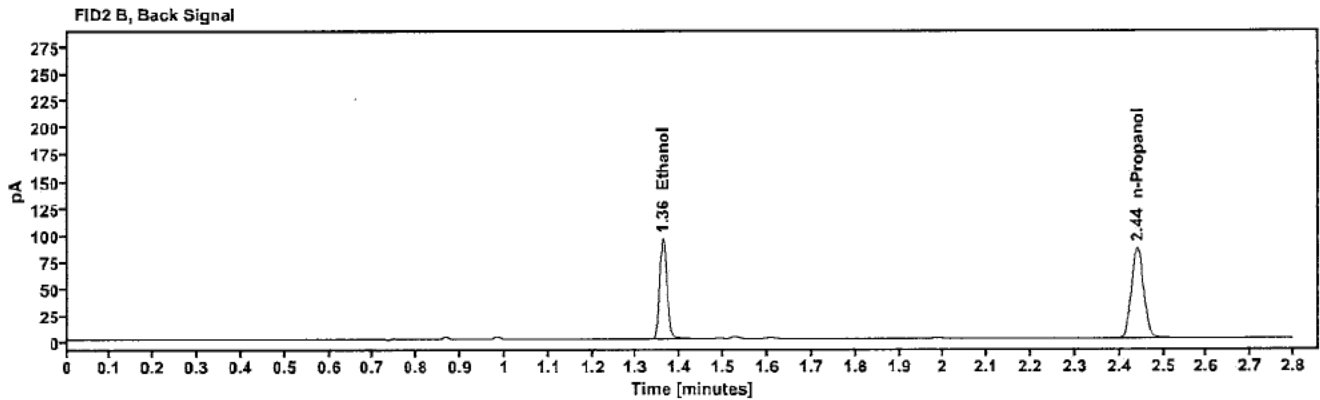
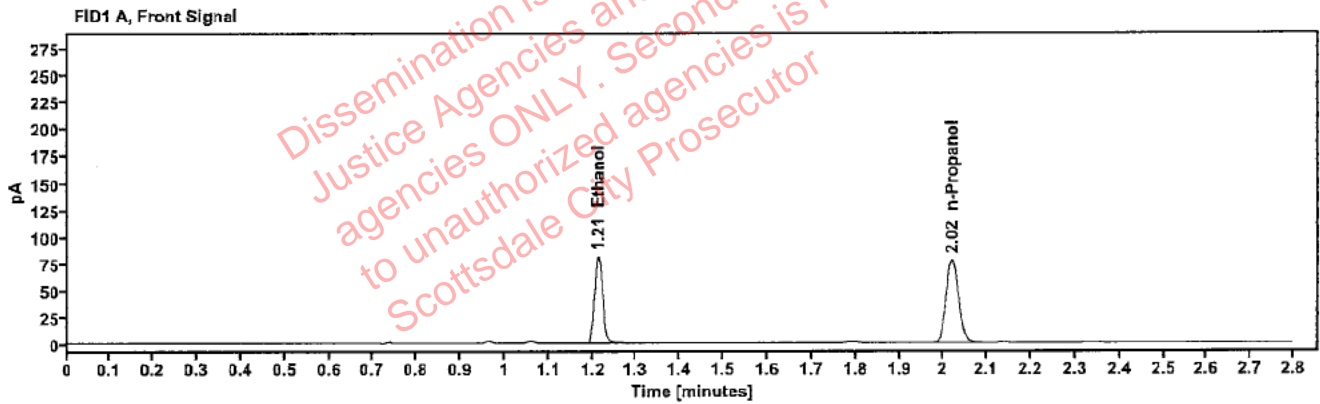


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1663	1.213	103.577
n-Propanol	---	2.020	154.472

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

Compound	Time (min)	Peak Area
Ethanol	1.361	114.239
n-Propanol	2.440	168.646

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321223-2	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 1:56:11 PM
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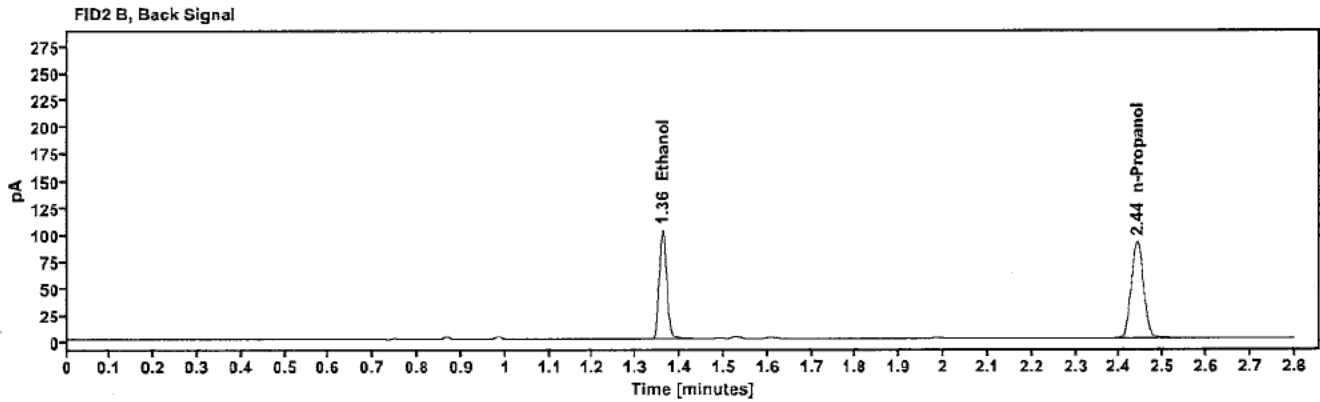
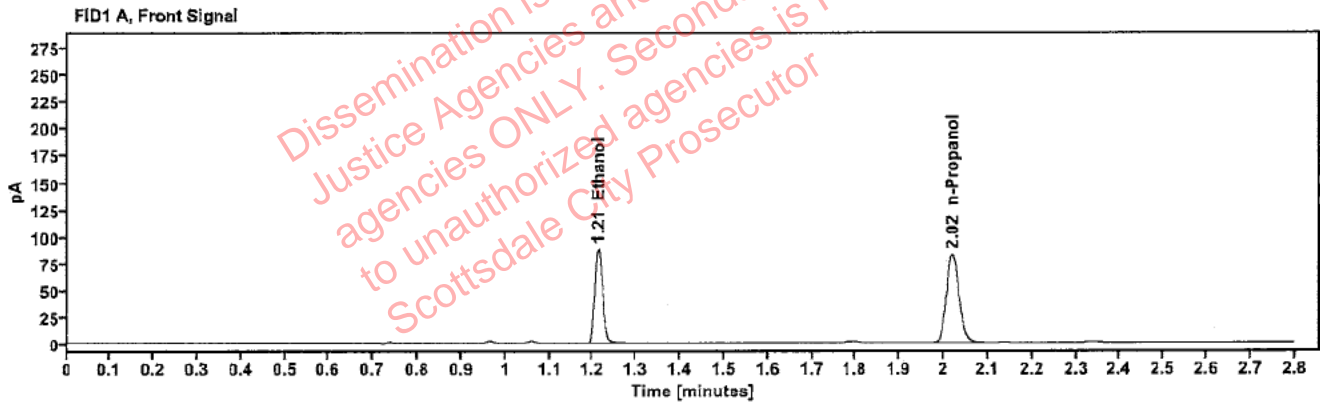


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1700	1.213	112.080
n-Propanol	-----	2.020	163.566

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

Compound	Time (min)	Peak Area
Ethanol	1.361	123.722
n-Propanol	2.440	179.614

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321232-1	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:00:25 PM
Data file:	C:\Chem32\1\Data\24Oct23\25.D	Analyst:	Brooke

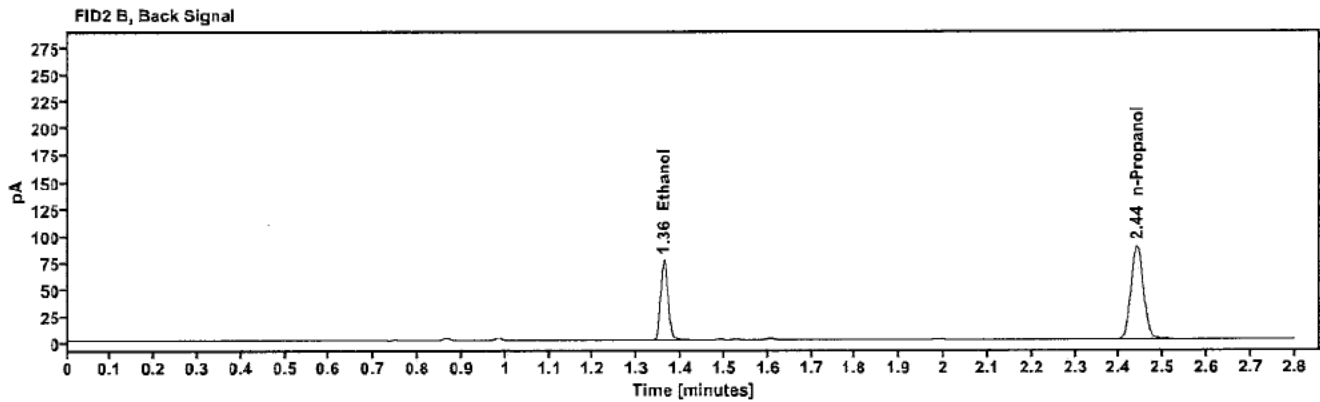
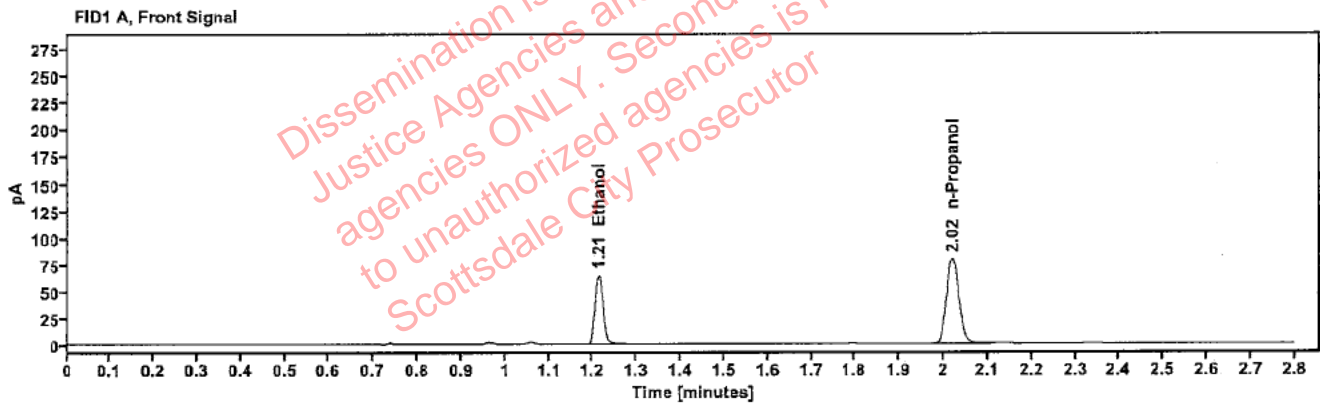


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1293	1.213	83.073
n-Propanol	-----	2.020	159.695

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

Compound	Time (min)	Peak Area
Ethanol	1.361	91.508
n-Propanol	2.440	174.197

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321232-1	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:04:25 PM
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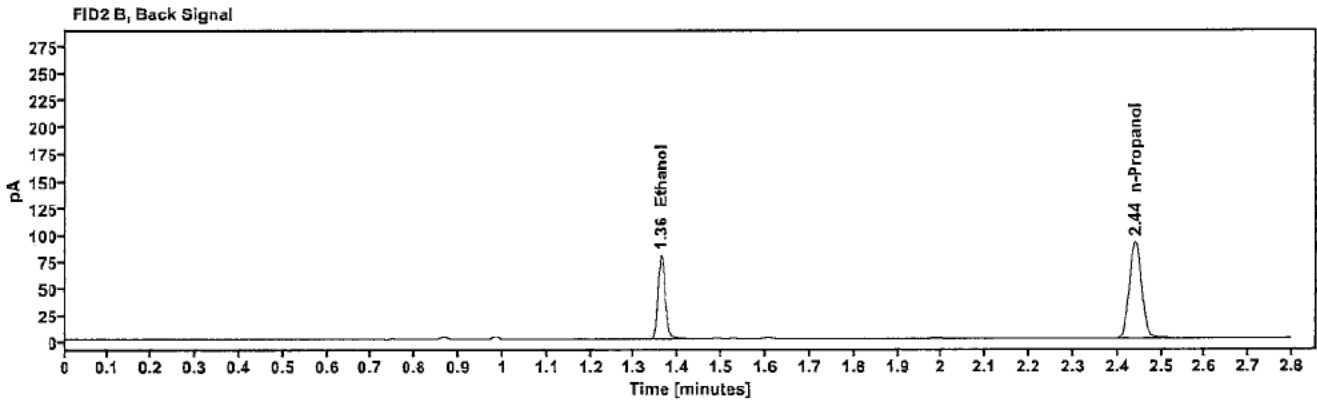
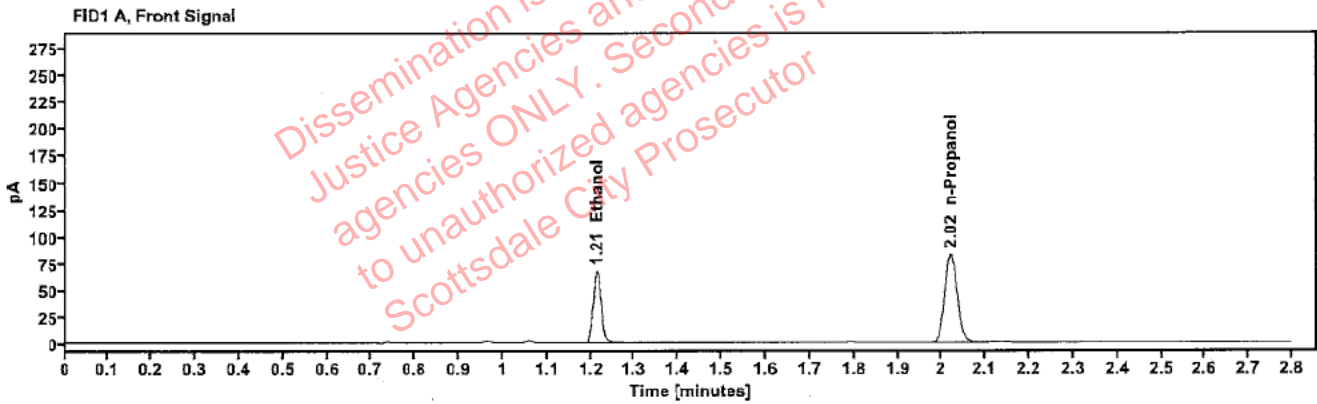


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1300	1.213	86.151
n-Propanol	-----	2.020	164.687

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

Compound	Time (min)	Peak Area
Ethanol	1.361	94.849
n-Propanol	2.440	179.686

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321230-2	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:08:26 PM
Data file:	C:\Chem32\1\Data\24Oct23\27.D	Analyst:	Brooke

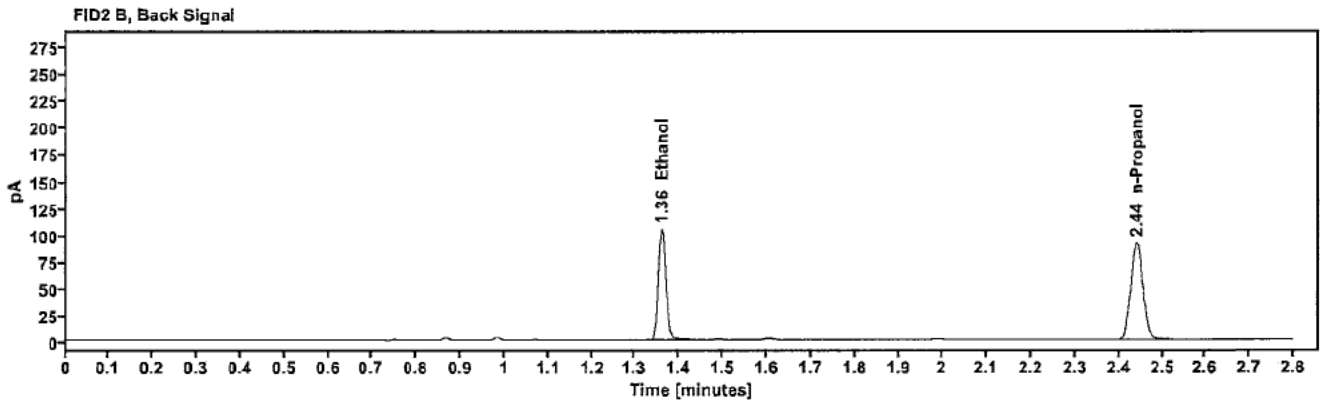
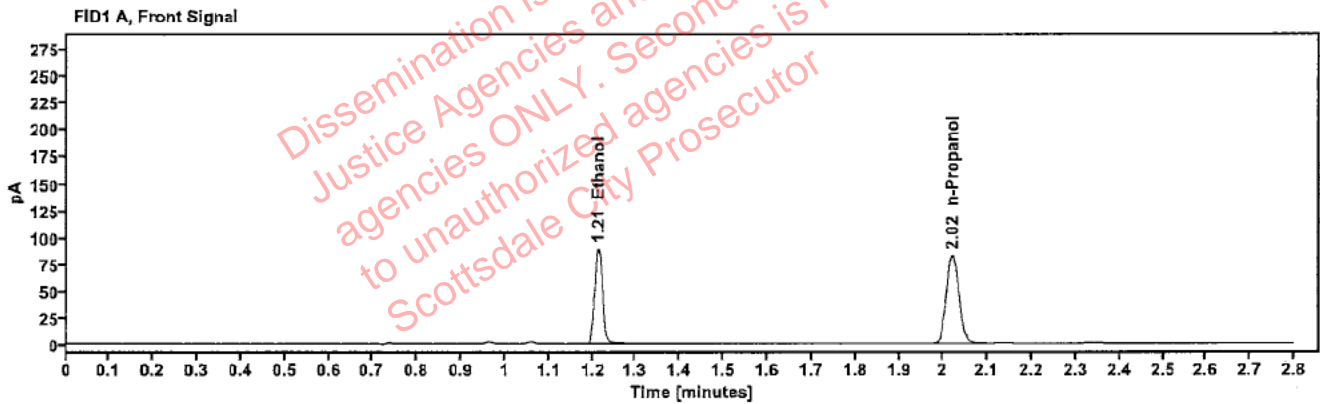


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1715	1.213	114.204
n-Propanol	-----	2.020	165.141

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

Compound	Time (min)	Peak Area
Ethanol	1.361	125.924
n-Propanol	2.440	180.237

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321230-2	Vial:	28
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:12:26 PM
Data file:	C:\Chem32\1\Data\24Oct23\28.D	Analyst:	Brooke

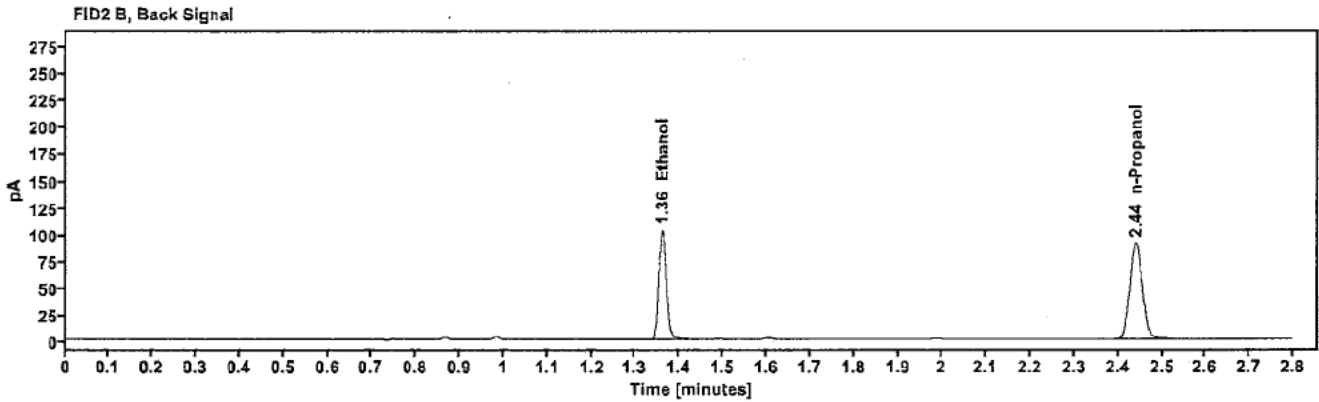
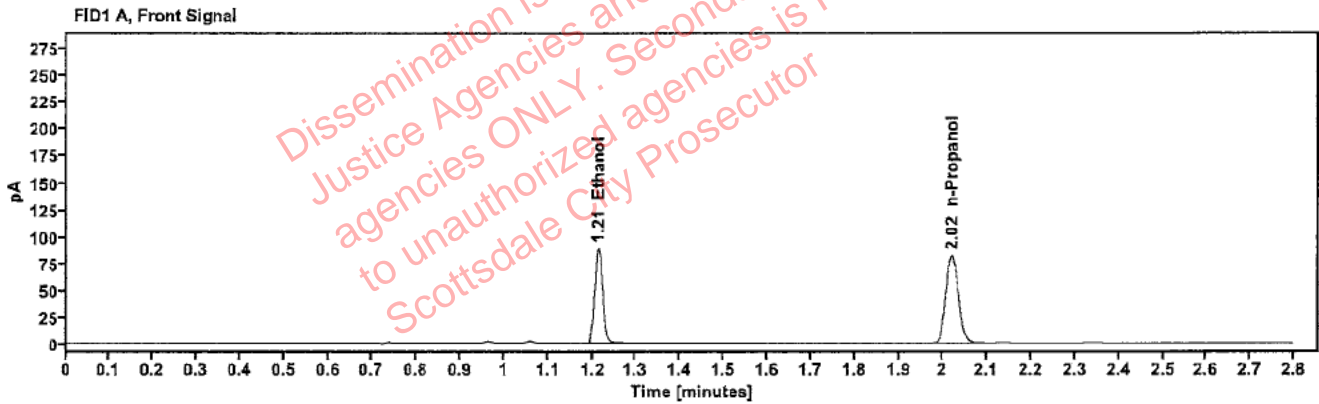


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1715	1.213	112.978
n-Propanol	---	2.020	163.366

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

Compound	Time (min)	Peak Area
Ethanol	1.361	124.661
n-Propanol	2.441	178.367

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321235-2	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:16:25 PM
Data file:	C:\Chem32\1\Data\24Oct23\29.D	Analyst:	Brooke

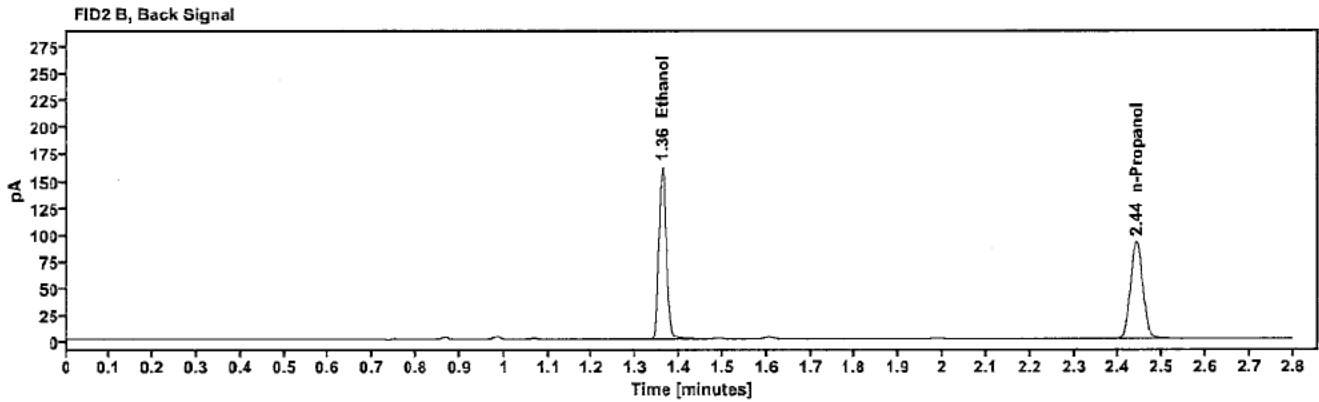
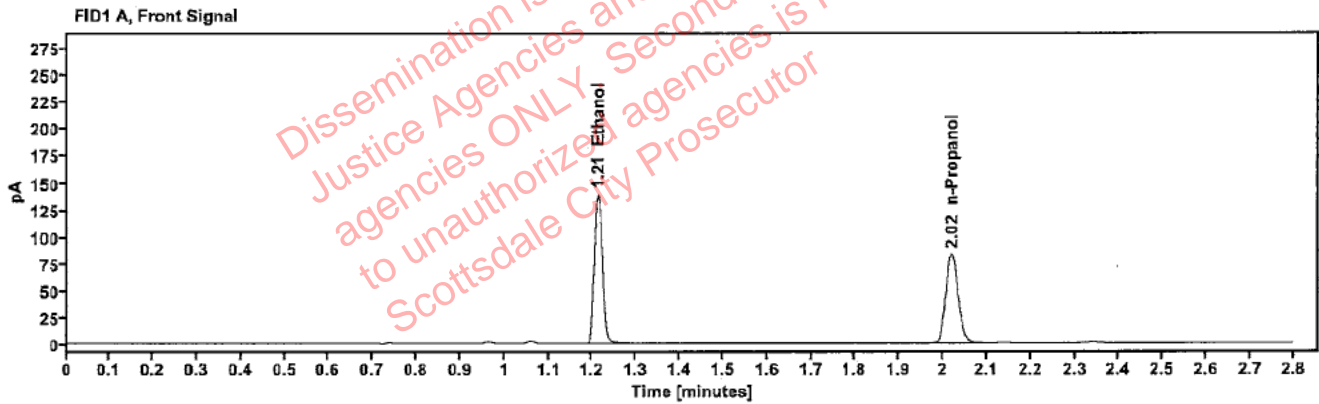


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2649	1.213	176.925
n-Propanol	---	2.020	165.258

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

Compound	Time (min)	Peak Area
Ethanol	1.361	195.135
n-Propanol	2.440	180.547

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321235-2	Vial:	30
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:20:26 PM
Data file:	C:\Chem32\1\Data\24Oct23\30.D	Analyst:	Brooke

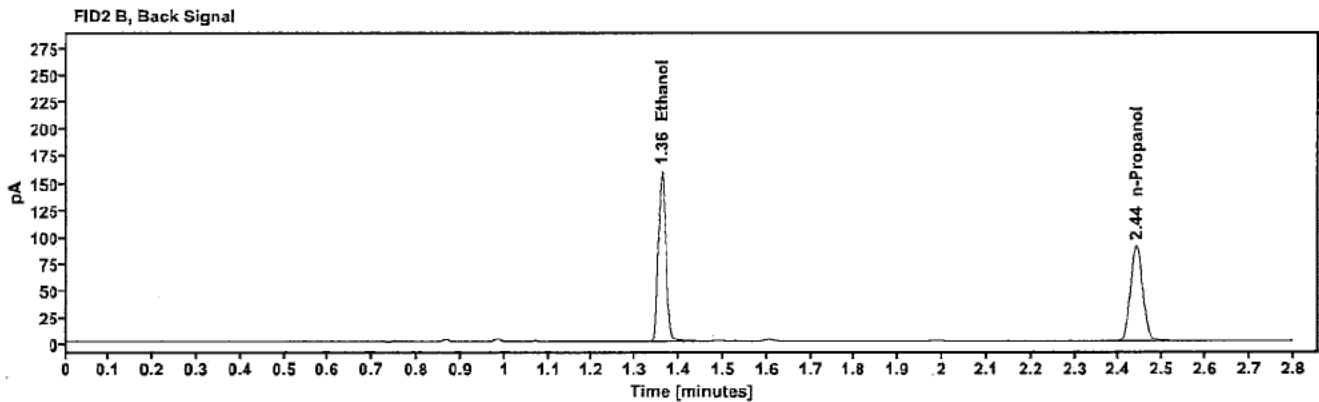
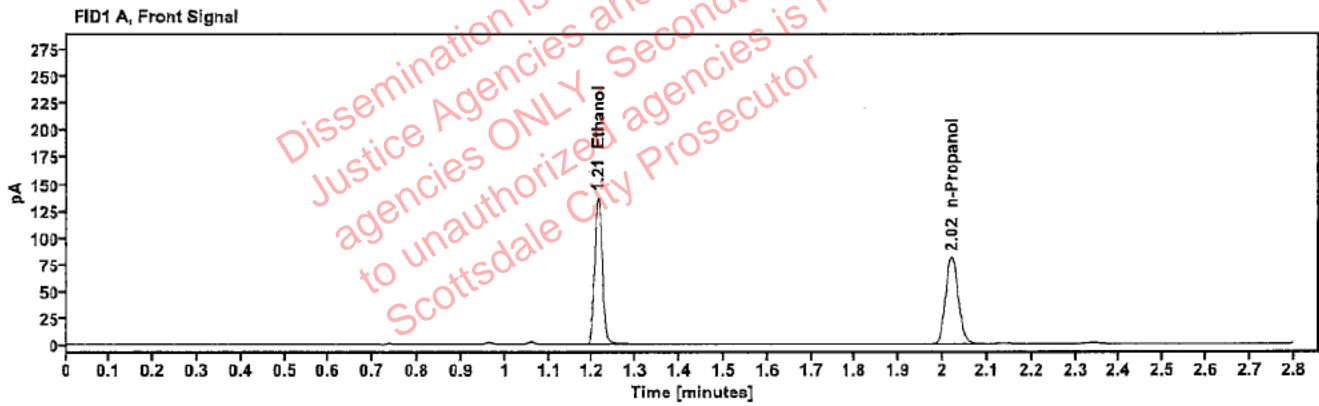


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2673	1.213	174.685
n-Propanol	-----	2.020	161.701

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

Compound	Time (min)	Peak Area
Ethanol	1.361	193.934
n-Propanol	2.440	176.607

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01M.L.	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:28:41 PM
Data file:	C:\Chem32\1\Data\24Oct23\32.D	Analyst:	Brooke

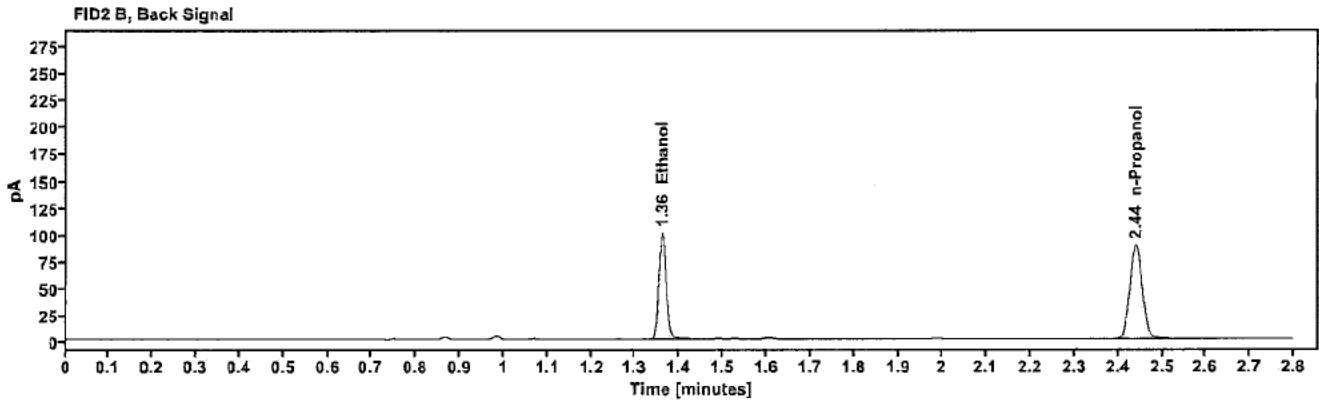
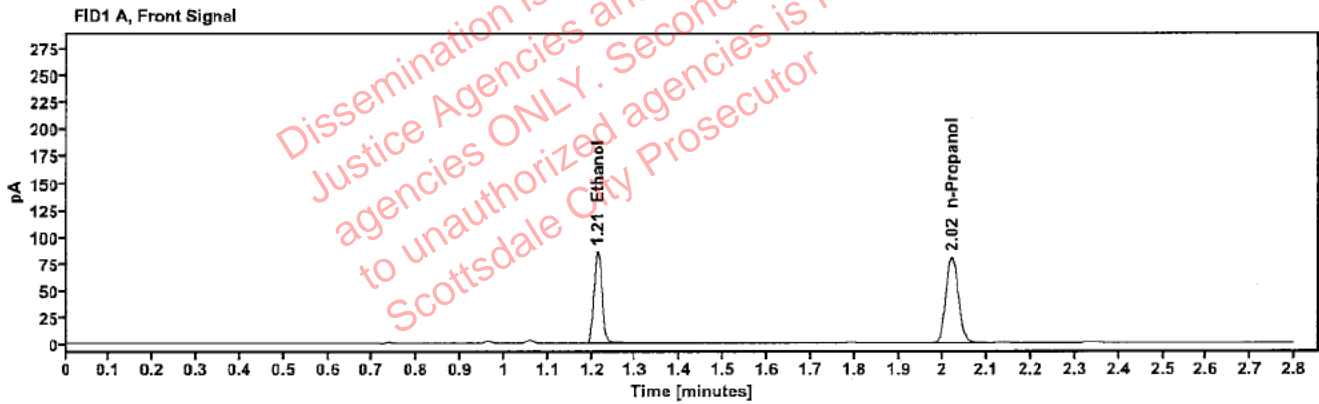


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1710	1.213	109.759
n-Propanol	-----	2.020	159.196

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

Compound	Time (min)	Peak Area
Ethanol	1.361	120.948
n-Propanol	2.440	174.922

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	422-01M.L.	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:32:41 PM
Data file:	C:\Chem32\1\Data\24Oct23\33.D	Analyst:	Brooke

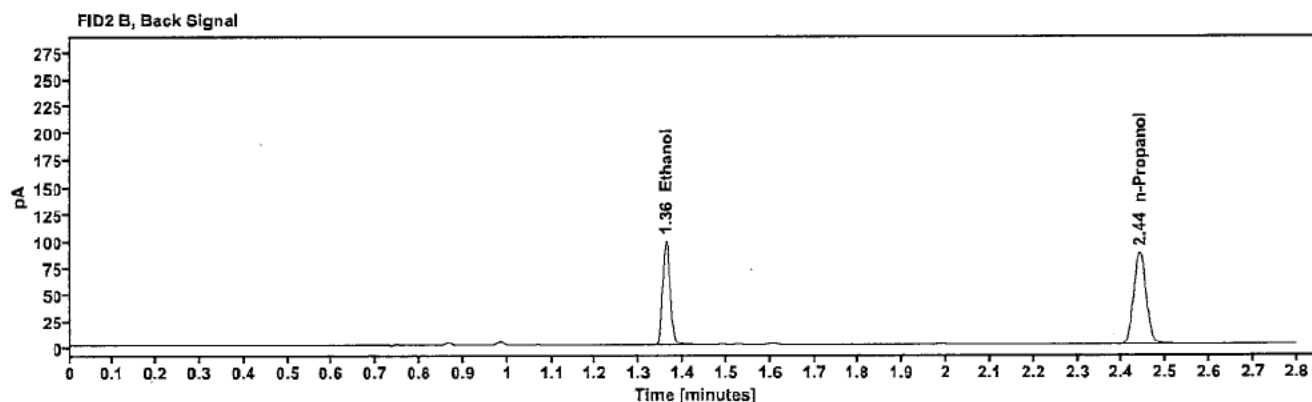
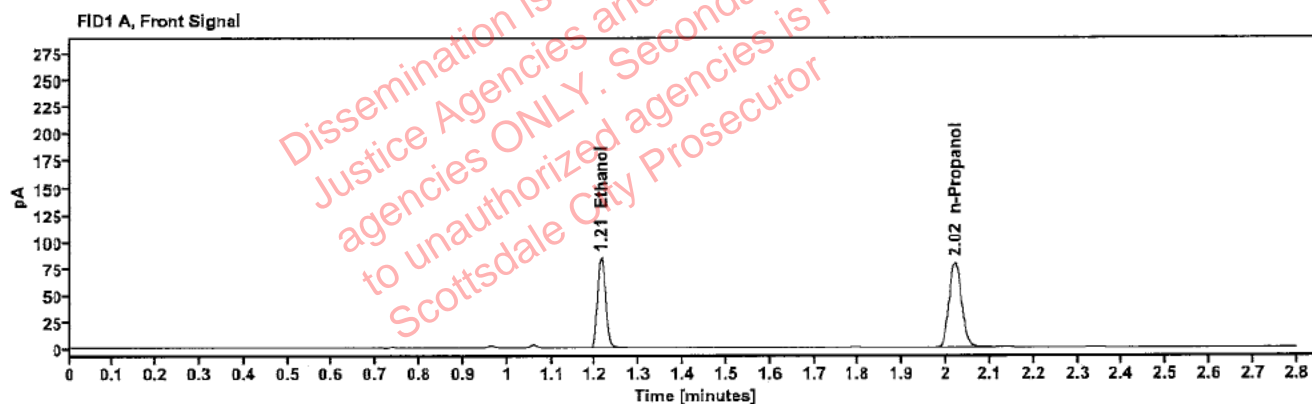


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1705	1.213	107.990
n-Propanol	-----	2.020	157.073

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

Compound	Time (min)	Peak Area
Ethanol	1.361	119.118
n-Propanol	2.440	172.480

[Redacted] : Brooke, Phillip - (25-Oct-2023)

User: pbrooke 10/25/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321418-2	Vial:	34
Description:	[Redacted]	LIMS ID:	[Redacted]
Method:	ethanol quant.m	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:36:40 PM
Data file:	C:\Chem32\1\Data\24Oct23\34.D	Analyst:	Brooke

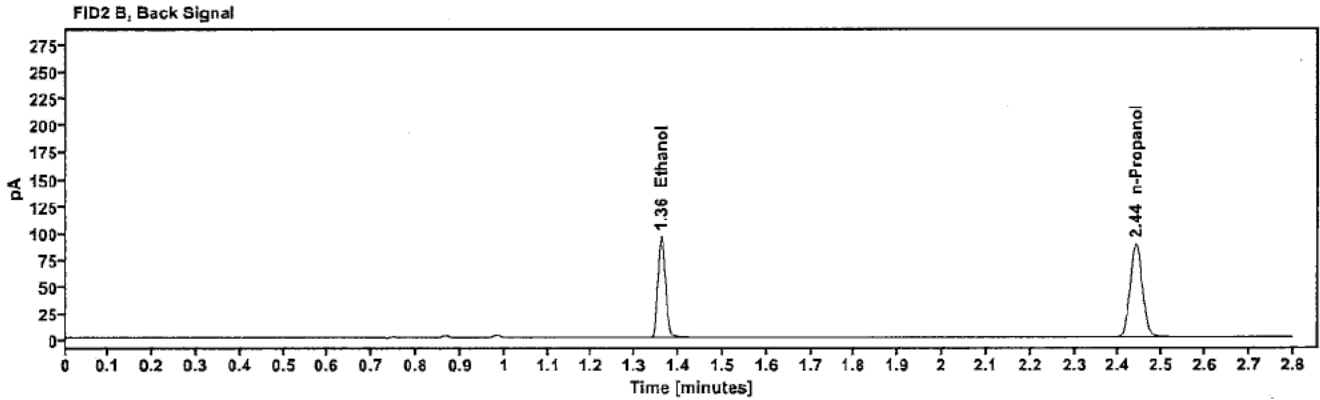
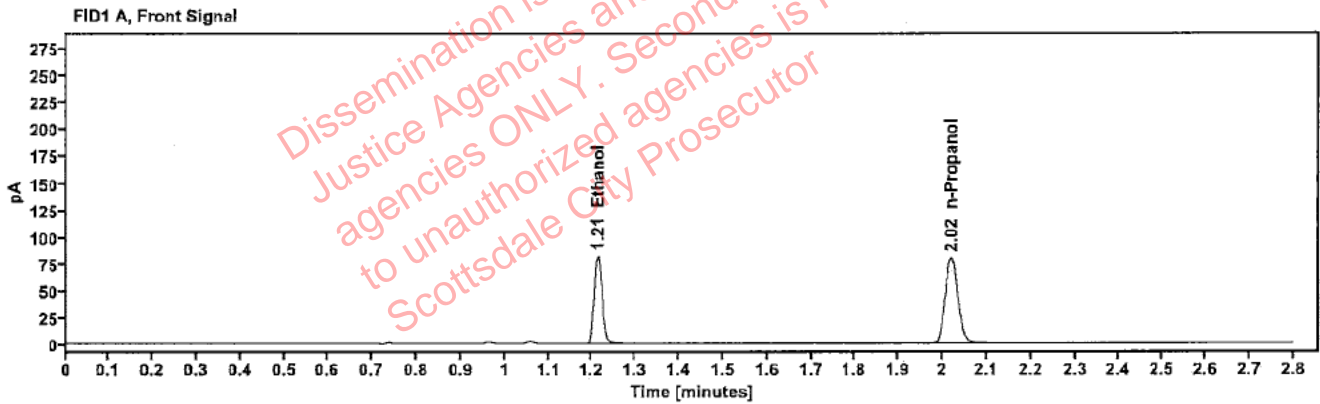


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1629	1.213	104.056
n-Propanol	-----	2.020	158.463

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

Compound	Time (min)	Peak Area
Ethanol	1.361	114.575
n-Propanol	2.440	173.717

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321418-2	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:40:40 PM
Data file:	C:\Chem32\1\Data\24Oct23\35.D	Analyst:	Brooke

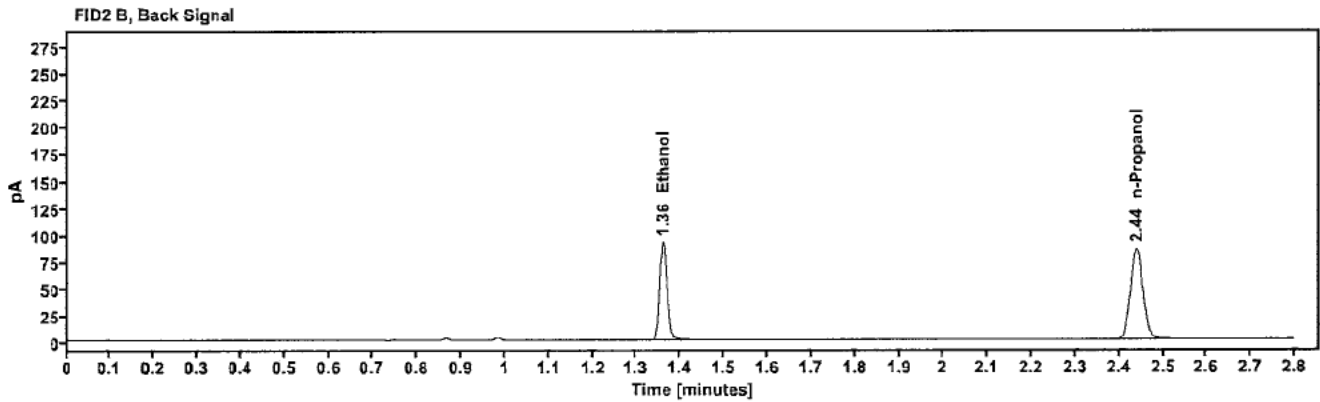
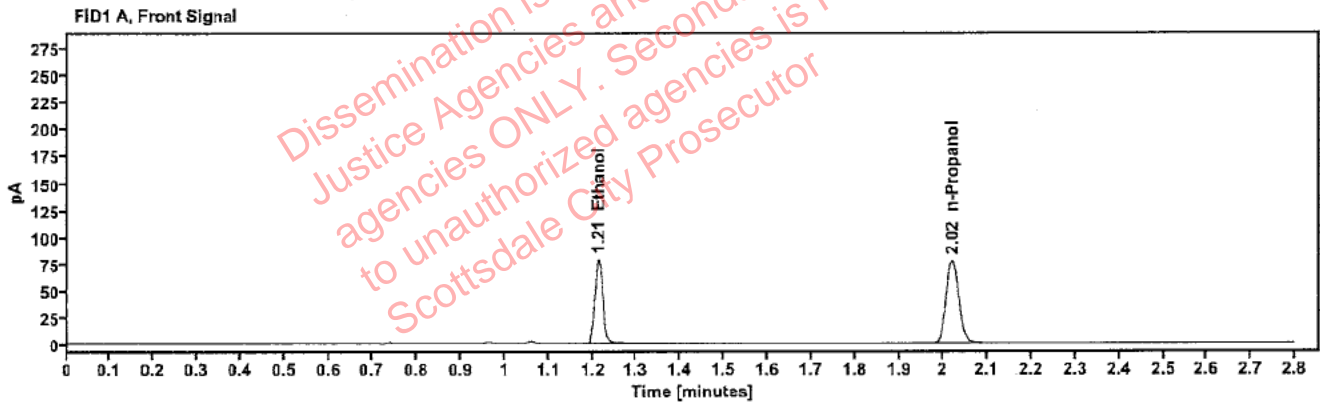


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1622	1.213	100.539
n-Propanol	---	2.020	153.833

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

Compound	Time (min)	Peak Area
Ethanol	1.361	110.633
n-Propanol	2.440	168.820

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321296-1	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:44:40 PM
Data file:	C:\Chem32\1\Data\24Oct23\36.D	Analyst:	Brooke

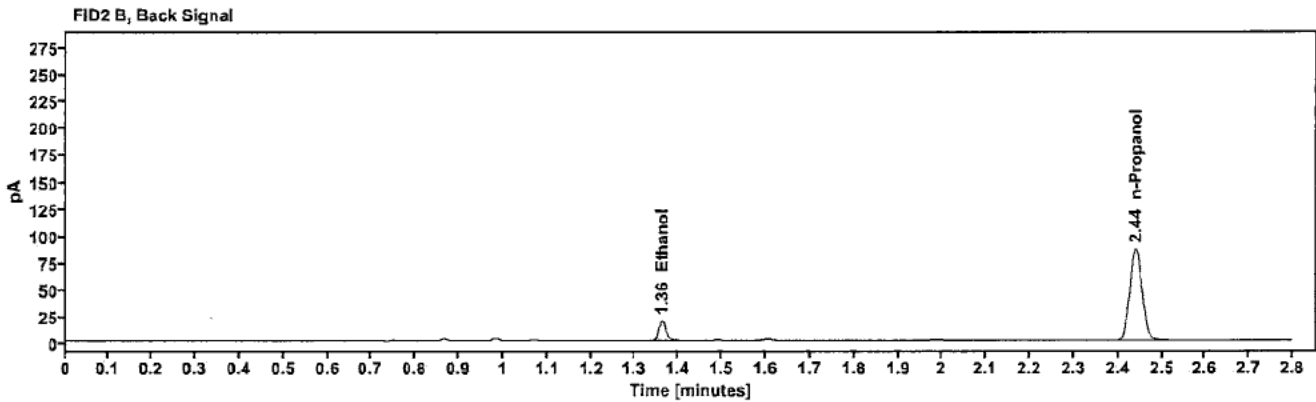
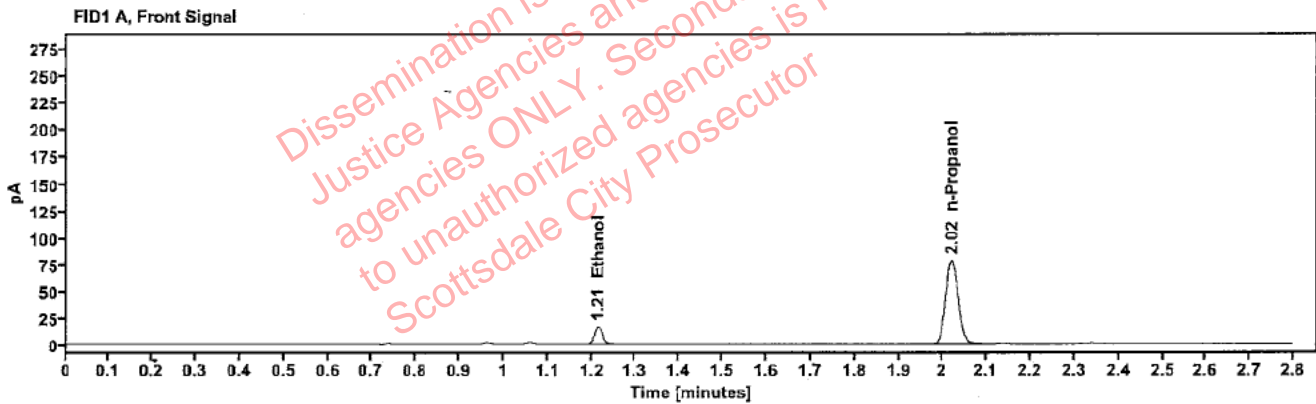


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0345	1.215	21.249
n-Propanol	-----	2.020	156.481

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

Compound	Time (min)	Peak Area
Ethanol	1.362	23.739
n-Propanol	2.440	171.174

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321296-1	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:48:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\37.D	Analyst:	Brooke

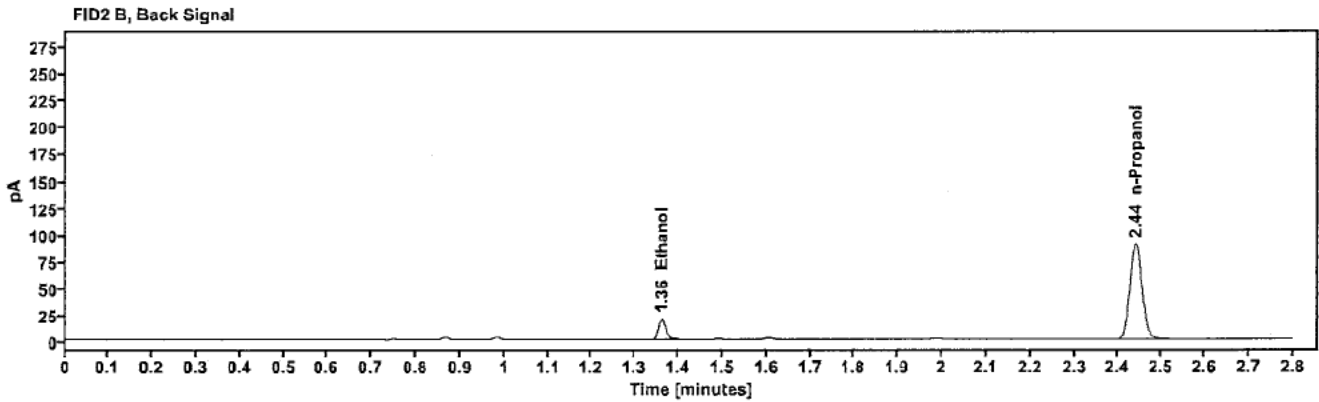
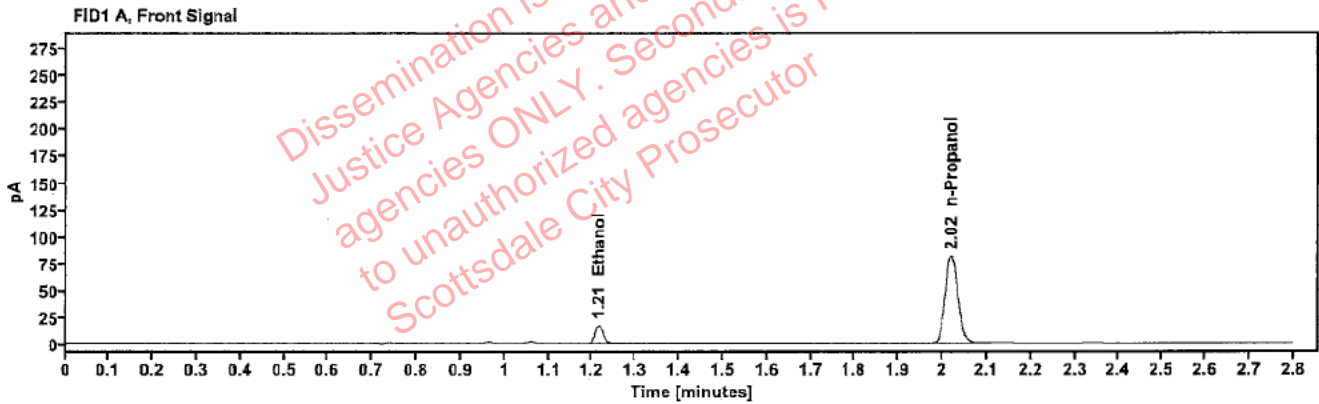


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0346	1.215	22.165
n-Propanol	-----	2.020	162.981

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

Compound	Time (min)	Peak Area
Ethanol	1.362	24.882
n-Propanol	2.440	177.636

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321631-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:52:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\38.D	Analyst:	Brooke

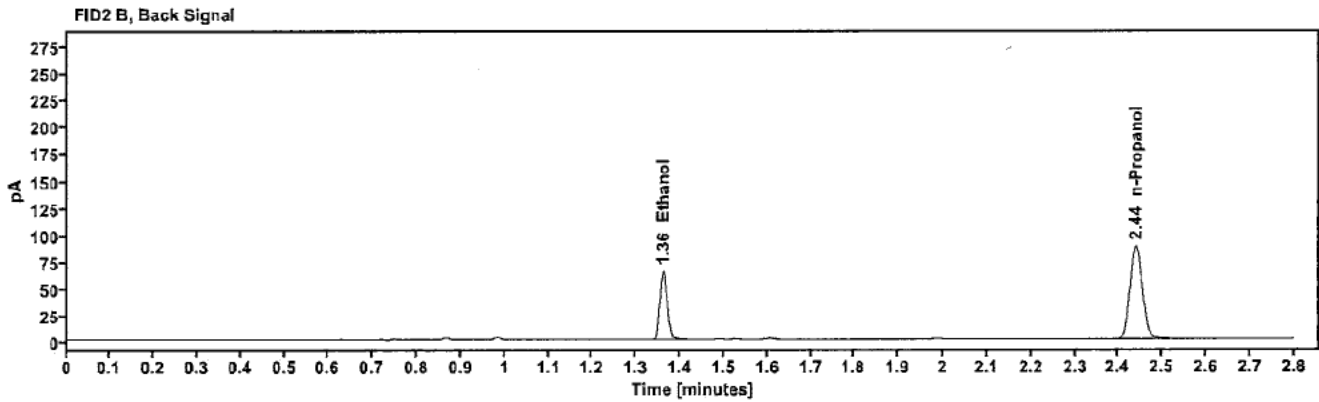
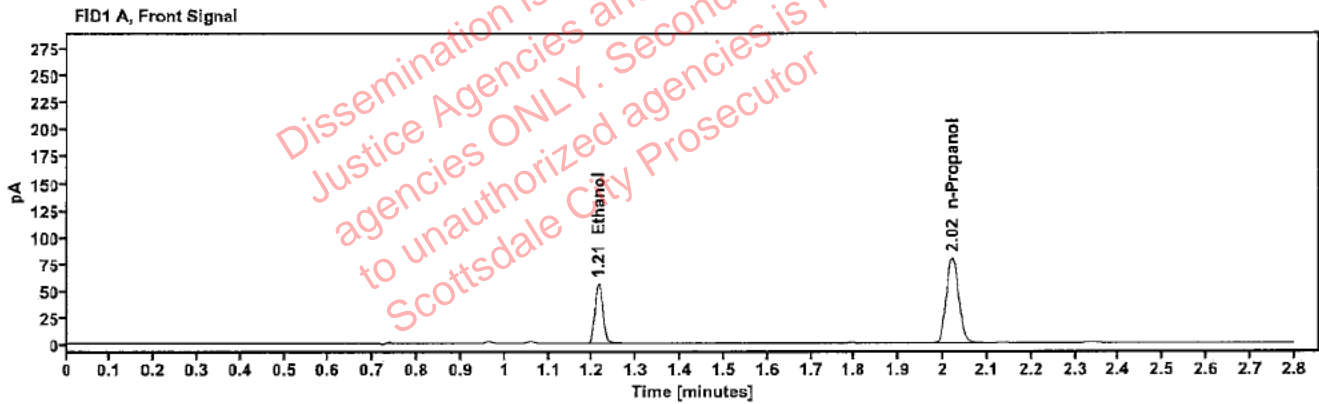


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1127	1.213	71.595
n-Propanol	-----	2.020	158.056

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

Compound	Time (min)	Peak Area
Ethanol	1.361	78.894
n-Propanol	2.440	173.779

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321631-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 2:56:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\39.D	Analyst:	Brooke

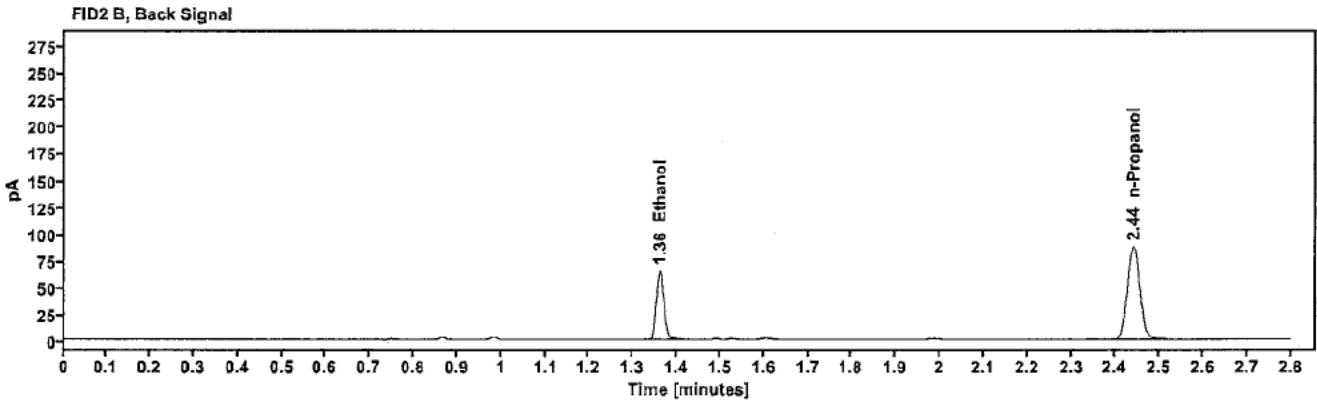
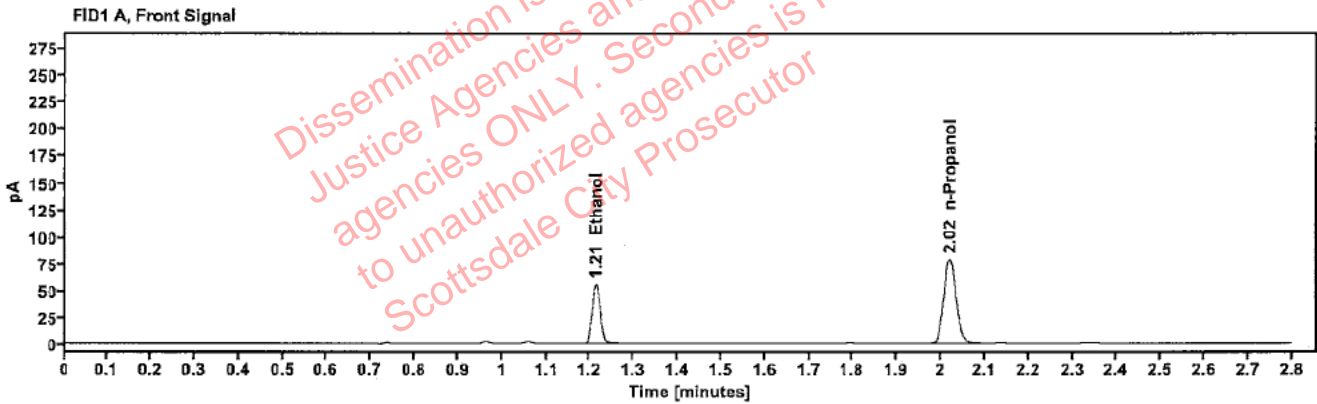


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1120	1.213	70.947
n-Propanol	---	2.020	157.631

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

Compound	Time (min)	Peak Area
Ethanol	1.361	78.212
n-Propanol	2.440	172.380

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321825-2	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 3:00:56 PM
Data file:	C:\Chem32\1\Data\24Oct23\40.D	Analyst:	Brooke

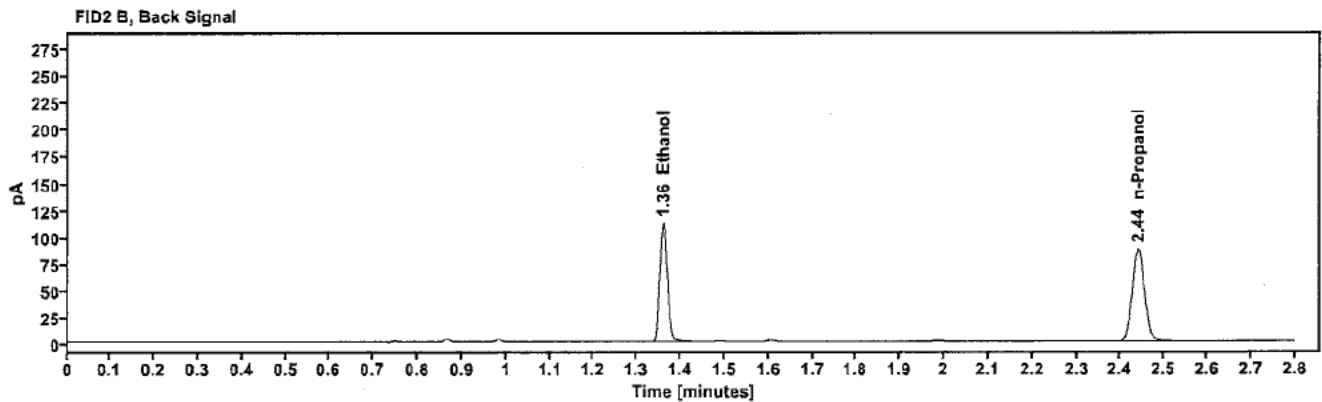
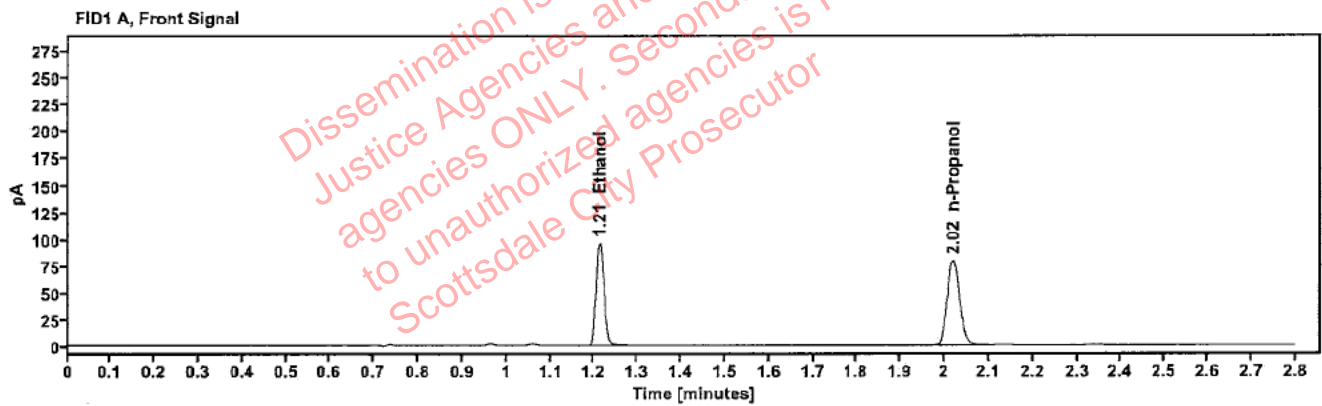


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1922	1.213	122.775
n-Propanol	-----	2.020	158.301

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

Compound	Time (min)	Peak Area
Ethanol	1.361	135.486
n-Propanol	2.440	172.721

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2321825-2	Vial:	41
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/24/2023 3:04:55 PM
Data file:	C:\Chem32\1\Data\24Oct23\41.D	Analyst:	Brooke

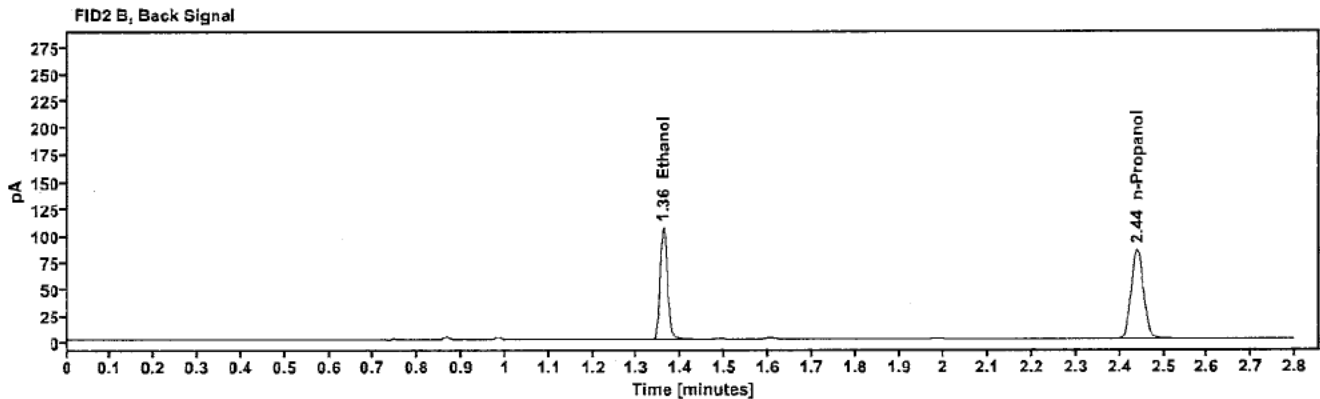
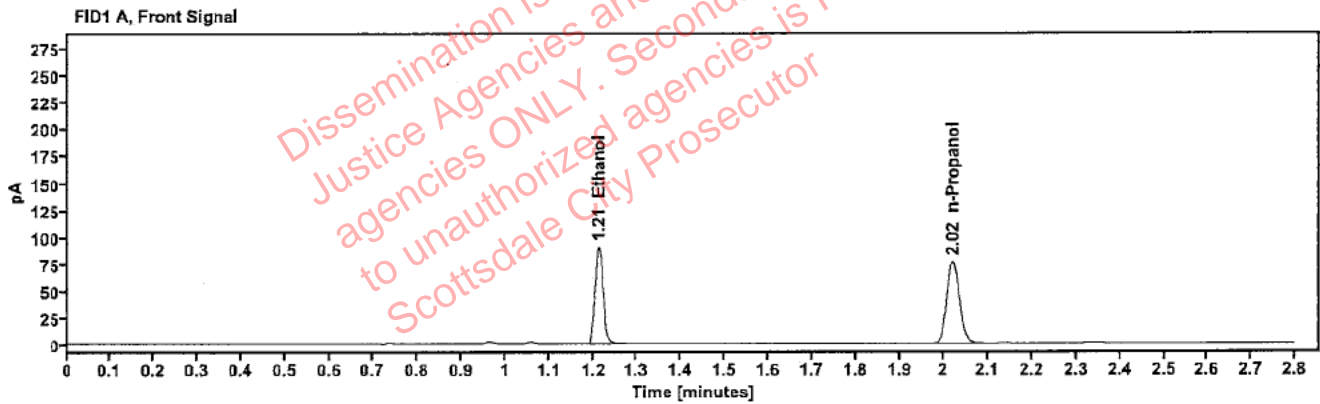


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1879	1.212	115.381
n-Propanol	---	2.019	152.217

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

Compound	Time (min)	Peak Area
Ethanol	1.360	127.329
n-Propanol	2.440	166.529