

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/17/2023 SEQUENCE NAME 17Oct23

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN11172002 0.99997
 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 mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.039 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 Erika Canonico Analyst
 Run valid Run invalid Theresa Bouchard Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

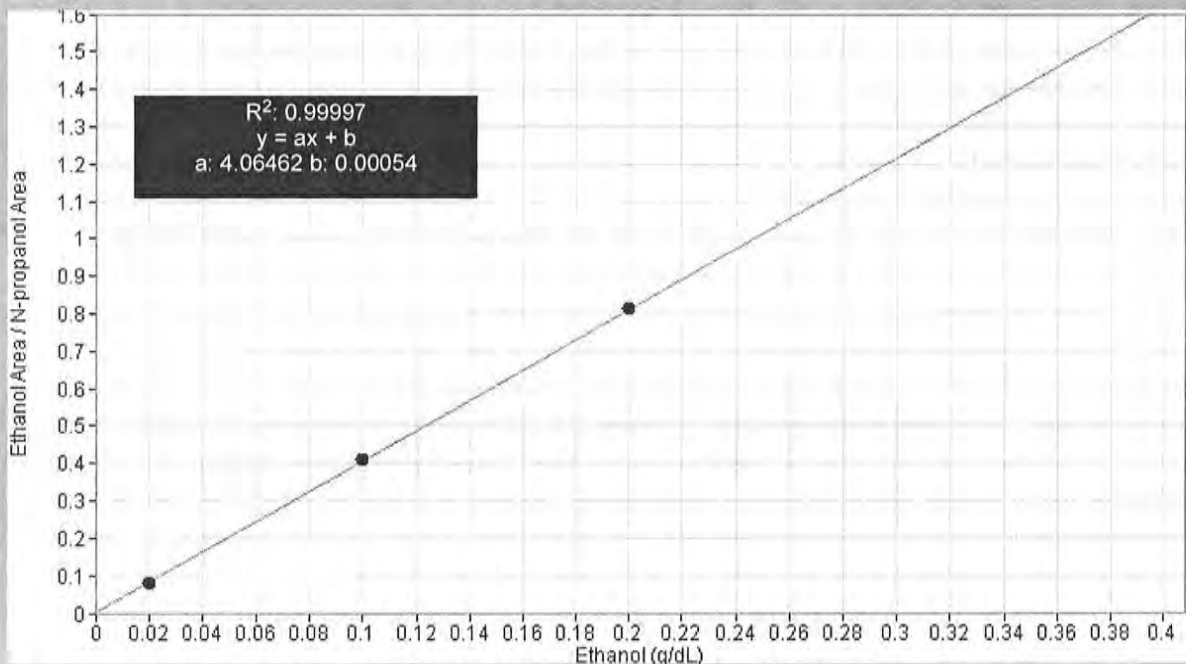
SEQUENCE NAME: 17Oct23

ANALYST: Canonico *ec*

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	0.399	0.400	0.25	-0.001
0.040 14082019-B	8	0.039	0.040	2.50	-0.001
0.199 4110320133/11	9	0.202	0.199	1.51	0.003
0.080 20012020-B	20	0.079	0.080	1.25	-0.001
0.080 20012020-B	31	0.079	0.080	1.25	-0.001
0.400 30012020-A	42	0.398	0.400	0.50	-0.002
0.040 14082019-B	43	0.039	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	11.698	148.798	0.079
0.100	63.158	153.387	0.412
0.200	121.939	150.089	0.812
0.400	239.416	147.254	1.626

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03122113	Vial: 1
Description: 0.020 calibrator	Sequence: 17Oct23
Method: ethanol quant.M	Injection date: 10/17/2023 11:54:48 AM
Instrument: US14173023 CN14160045	Analyst: Canonico EE
Data file: C:\Chem32\1\Data\17Oct23\1.D	

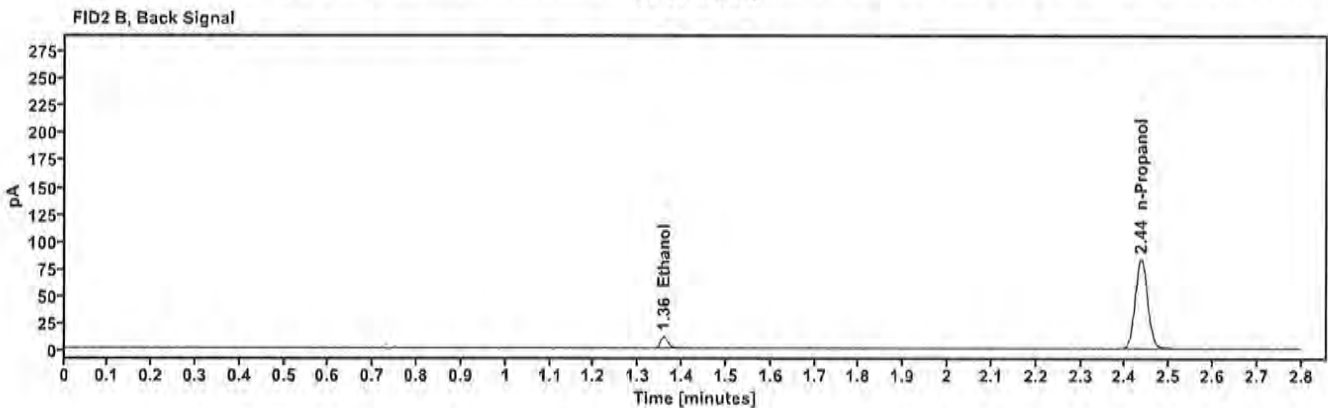
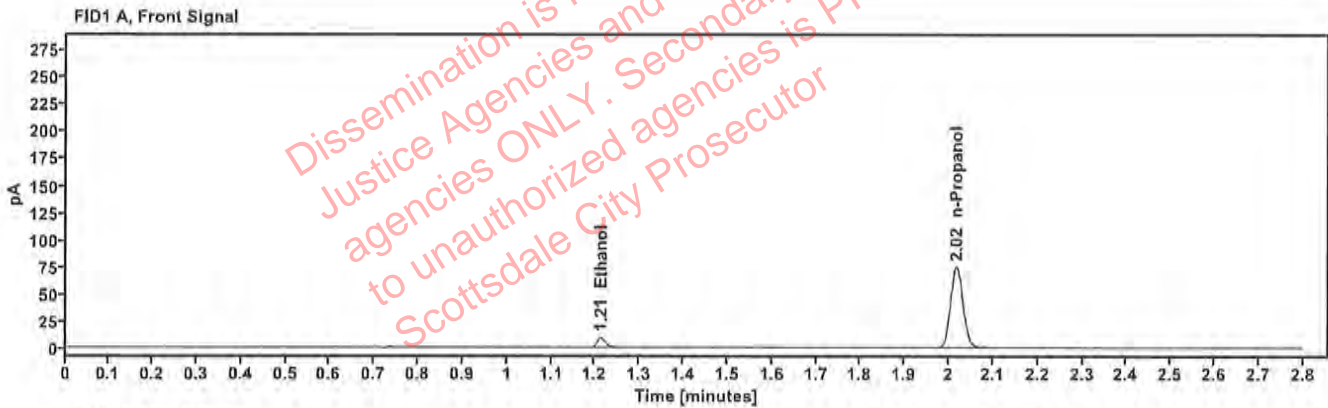


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	11.698
n-Propanol	2.017	148.798

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

Compound	Time (min)	Peak Area
Ethanol	1.358	12.881
n-Propanol	2.436	163.062

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN11172002	Vial:	2
Description:	0.100 calibrator	Sequence:	17Oct23
Method:	ethanol quant.M	Injection date:	10/17/2023 11:58:47 AM
Instrument:	US14173023 CN14160045	Analyst:	Canonico <i>ec</i>
Data file:	C:\Chem32\1\Data\17Oct23\2.D		

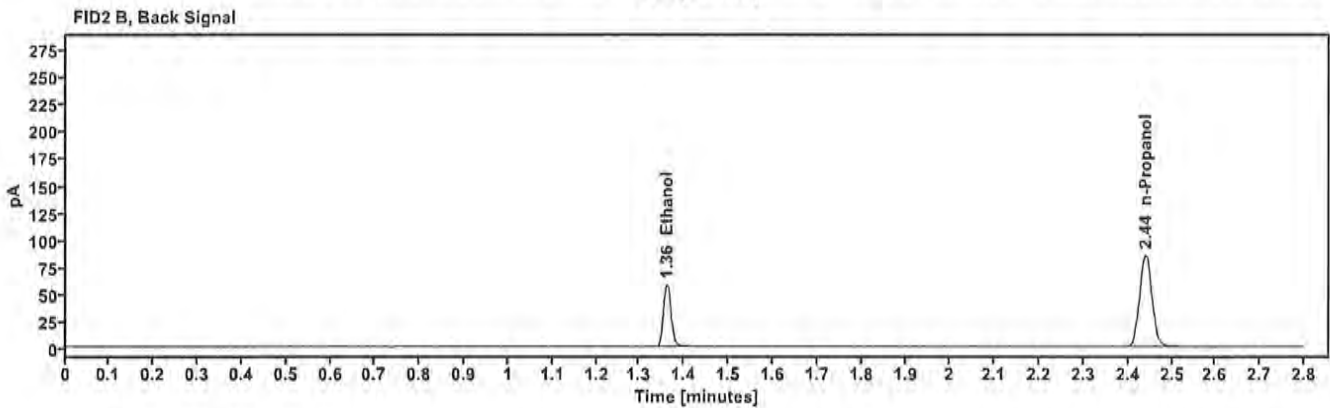
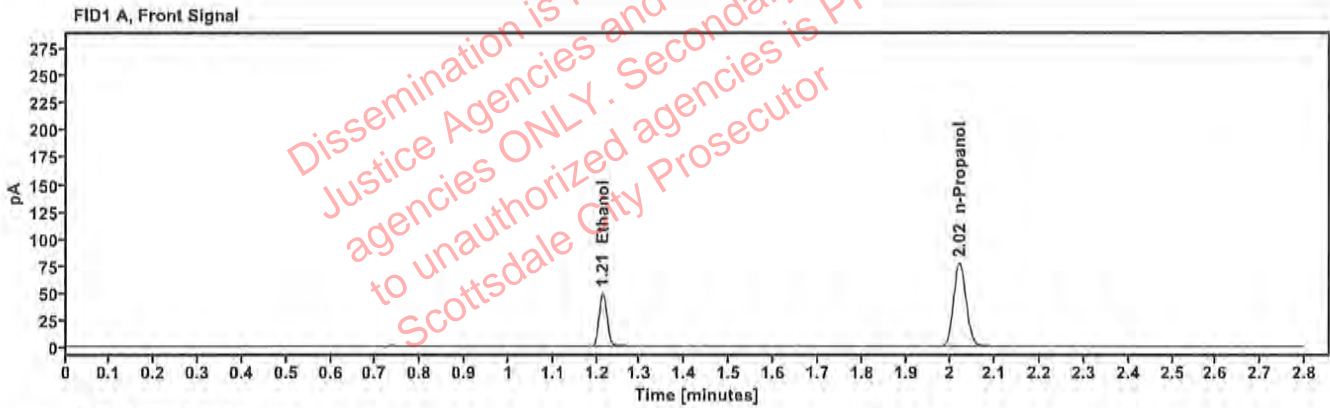


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	63.158
n-Propanol	2.020	153.387

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

Compound	Time (min)	Peak Area
Ethanol	1.361	69.613
n-Propanol	2.440	168.016

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03132302	Vial: 3
Description: 0.200 calibrator	Sequence: 17Oct23
Method: ethanol quant.M	Injection date: 10/17/2023 12:02:47 PM
Instrument: US14173023 CN14160045	Analyst: Canonico EE
Data file: C:\Chem32\1\Data\17Oct23\3.D	

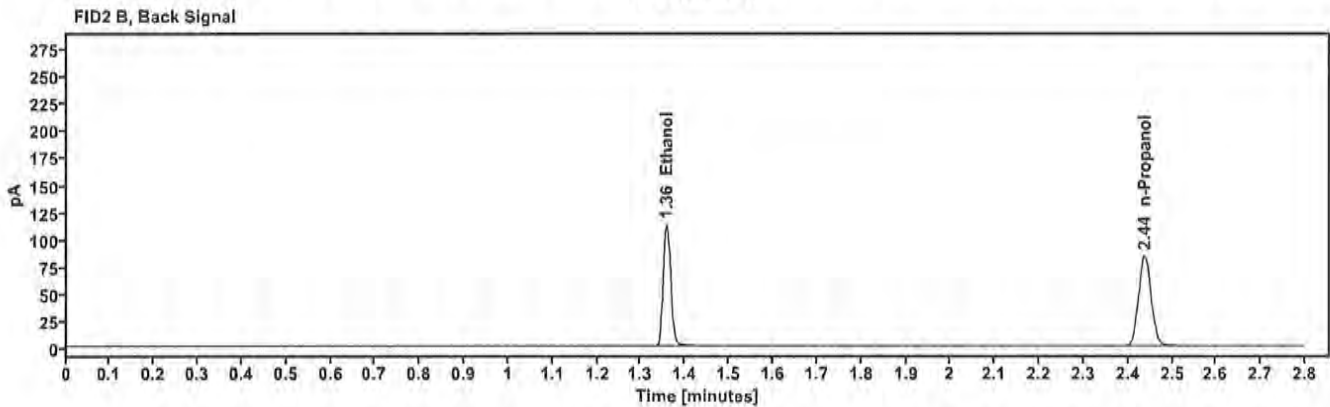
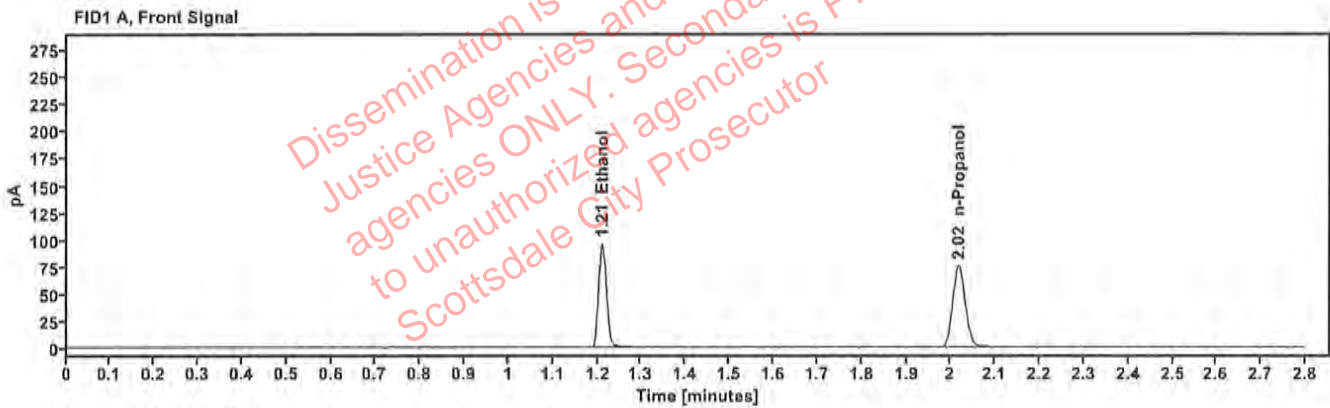


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	121.939
n-Propanol	2.018	150.089

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

Compound	Time (min)	Peak Area
Ethanol	1.357	134.530
n-Propanol	2.437	164.493

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 17Oct23
Method: ethanol quant.M	Injection date: 10/17/2023 12:06:47 PM
Instrument: US14173023 CN14160045	Analyst: Canonico EL
Data file: C:\Chem32\1\Data\17Oct23\4.D	

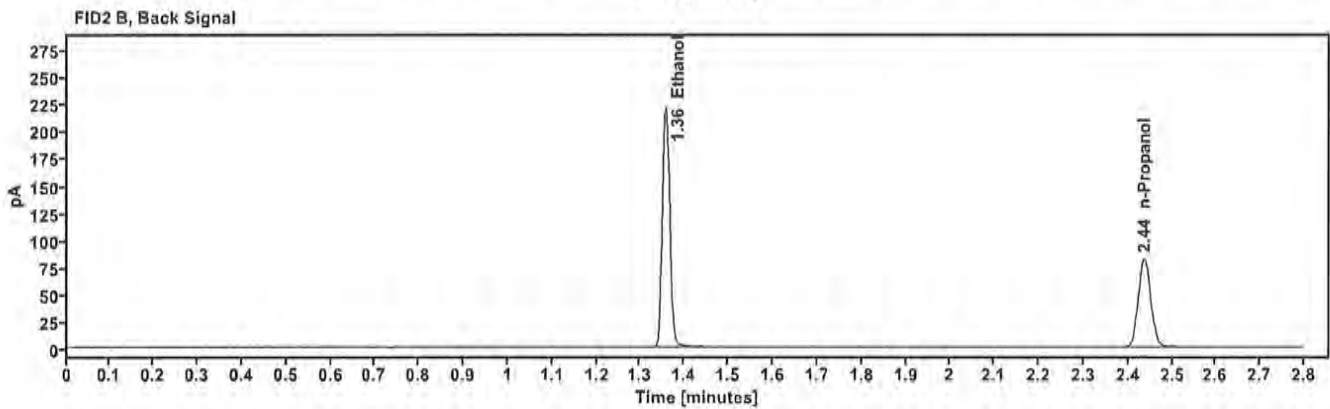
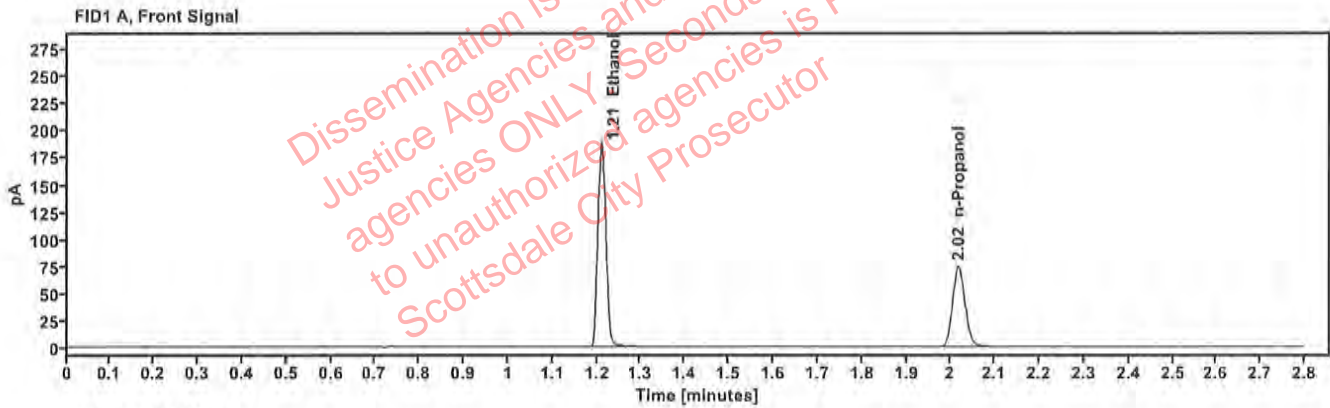


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	239,416
n-Propanol	2.018	147,254

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

Compound	Time (min)	Peak Area
Ethanol	1.357	264,296
n-Propanol	2.437	161,367

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Oct23
Instrument: US14173023 CN14160045	Injection date: 10/17/2023 12:10:48 PM
Data file: C:\Chem32\1\Data\17Oct23\5.D	Analyst: Canonico <i>ee</i>

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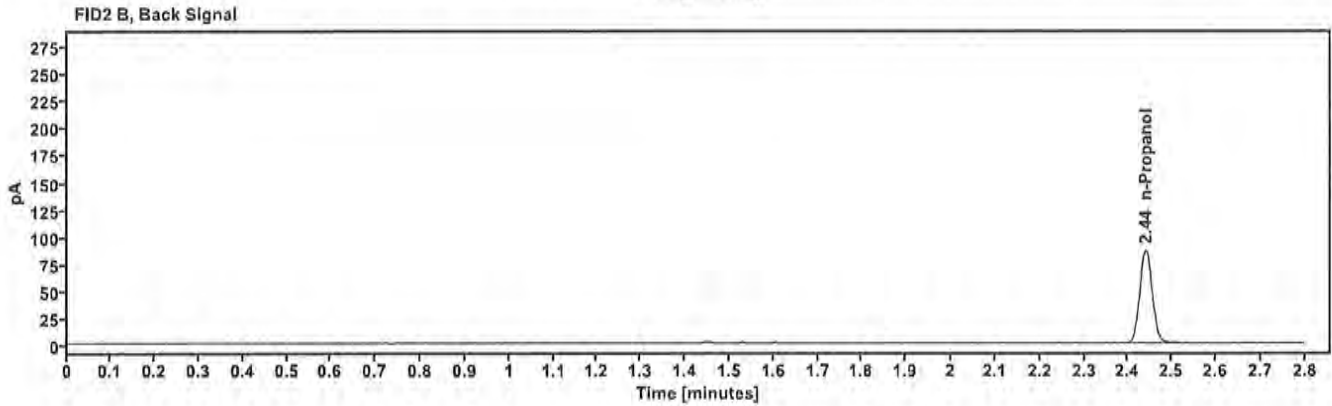
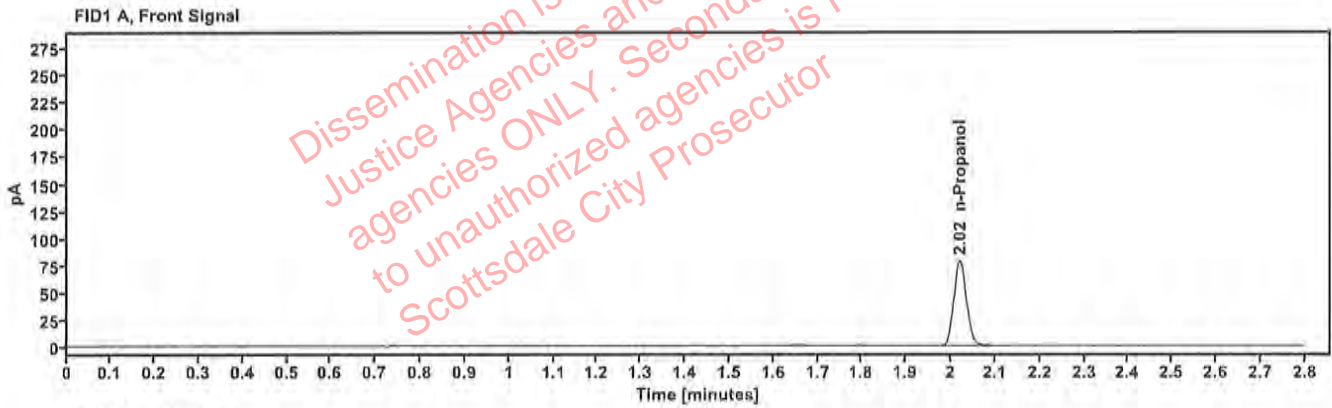


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.020	155.492

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

Compound	Time (min)	Peak Area
n-Propanol	2.440	170.772

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:14:48 PM
Data file:	C:\Chem32\1\Data\17Oct23\6.D	Analyst:	Canonico <i>ee</i>

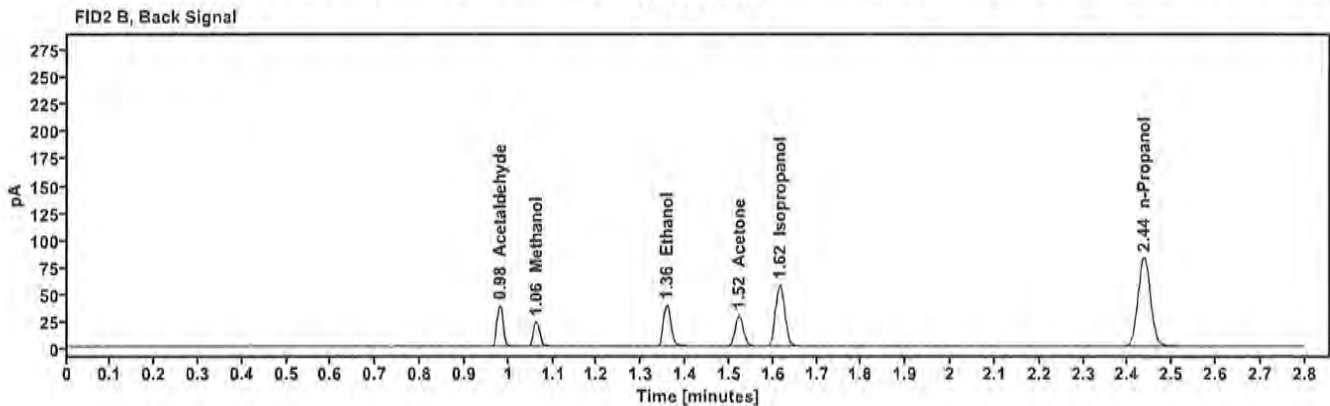
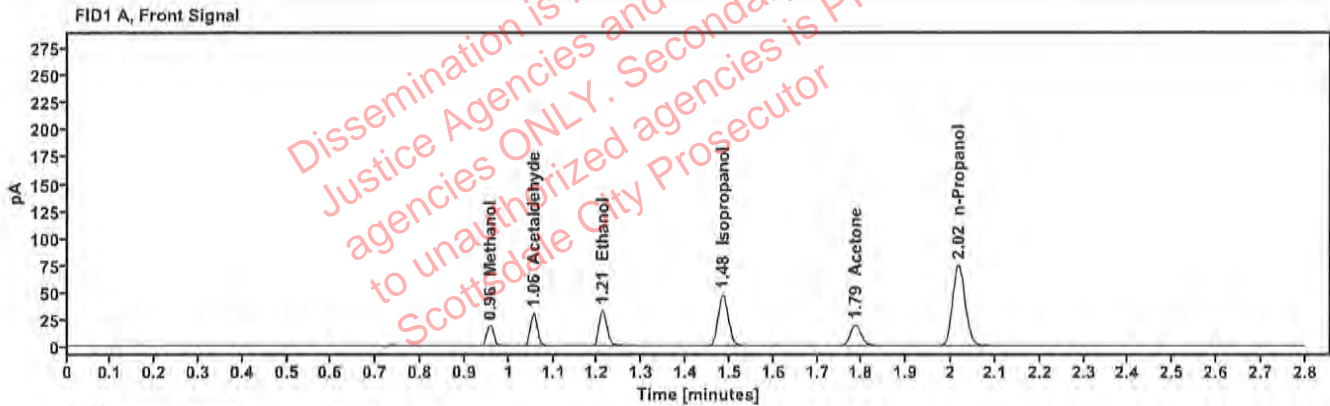


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	----	0.957	21.207
Acetaldehyde	----	1.056	32.961
>Ethanol	0.0691	1.211	41.690
Isopropanol	----	1.484	75.627
Acetone	----	1.785	33.345
n-Propanol	----	2.017	148.112

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	37.000
Methanol	1.062	23.579
Ethanol	1.357	45.845
Acetone	1.522	36.839
Isopropanol	1.615	83.949
n-Propanol	2.436	162.180

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Oct23
Instrument: US14173023 CN14160045	Injection date: 10/17/2023 12:19:03 PM
Data file: C:\Chem32\1\Data\17Oct23\7.D	Analyst: Canonico <i>ec</i>

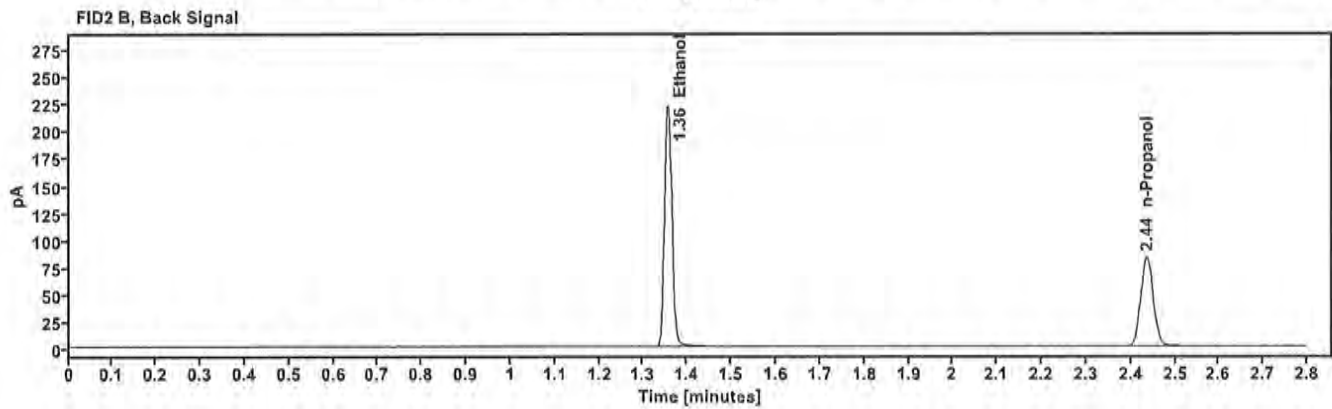
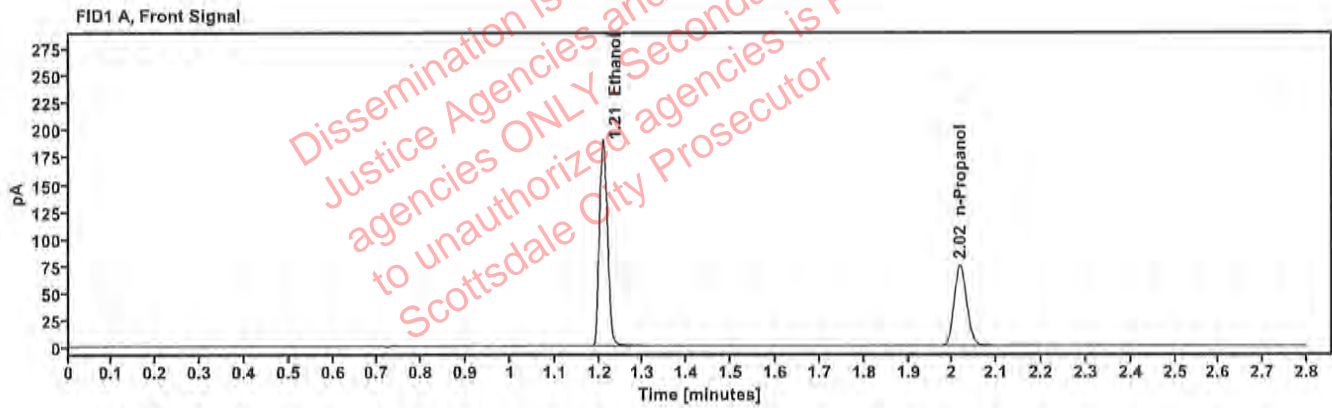


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3990	1.209	240.885
n-Propanol	-----	2.017	148.465

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

Compound	Time (min)	Peak Area
Ethanol	1.356	265.935
n-Propanol	2.436	162.535

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 17Oct23
Instrument: US14173023 CN14160045	Injection date: 10/17/2023 12:23:02 PM
Data file: C:\Chem32\1\Data\17Oct23\8.D	Analyst: Canonico <i>EC</i>

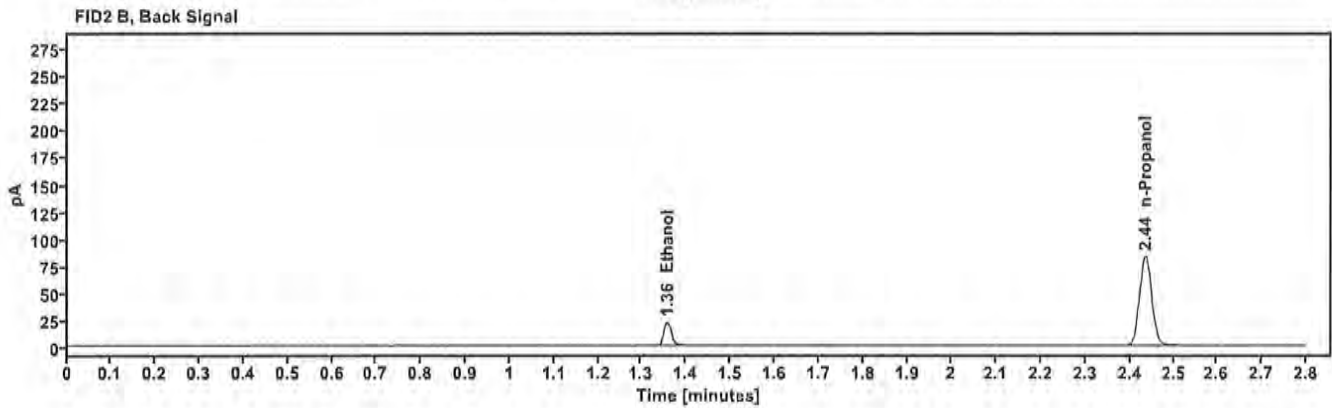
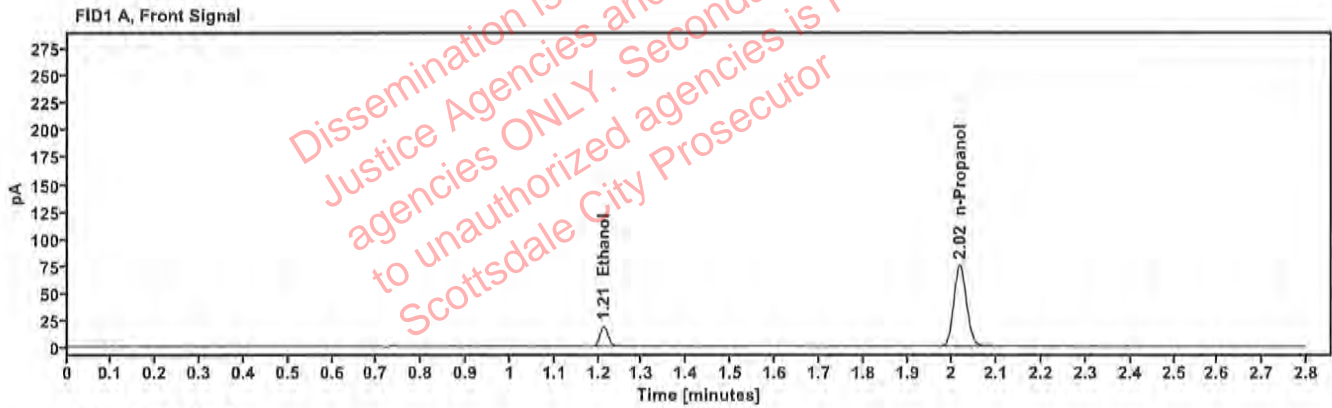


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0393	1.211	23.913
n-Propanol	---	2.017	149.028

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.282
n-Propanol	2.436	163.407

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/11	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:27:03 PM
Data file:	C:\Chem32\1\Data\17Oct23\9.D	Analyst:	Canonico <i>ec</i>

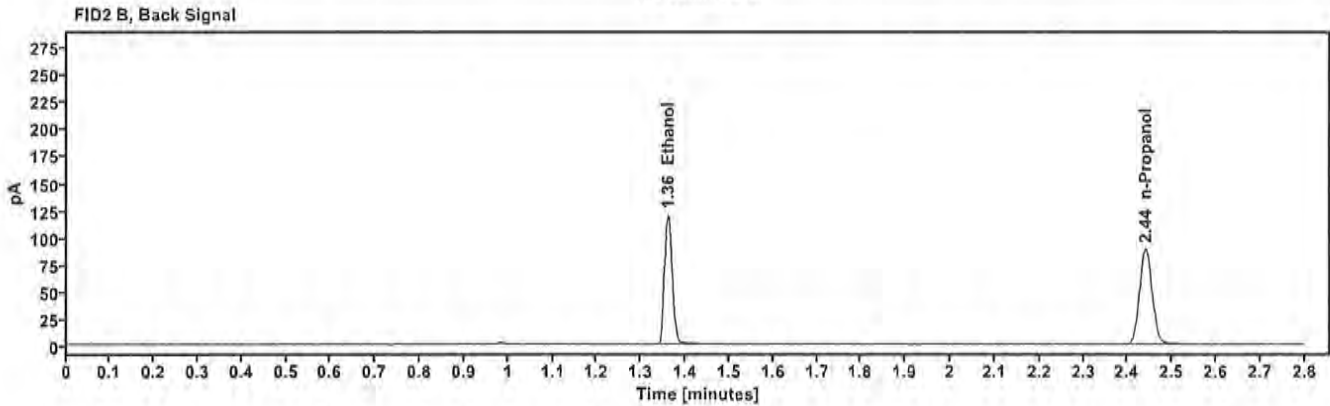
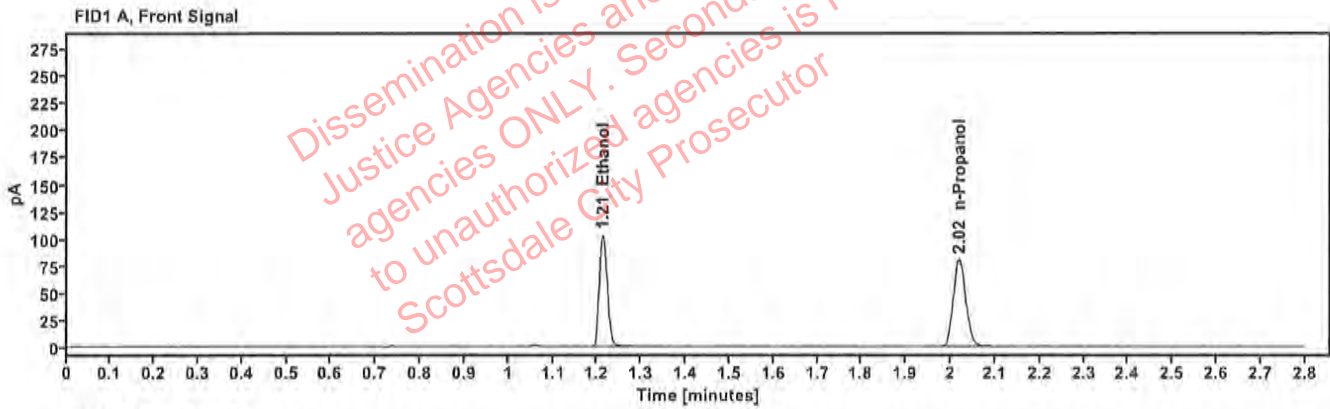


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.212	130.848
n-Propanol	---	2.019	159.223

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

Compound	Time (min)	Peak Area
Ethanol	1.360	144.410
n-Propanol	2.440	174.535

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:11:32 PM
Data file:	C:\Chem32\1\Data\17Oct23\20.D	Analyst:	Canonico <i>EC</i>

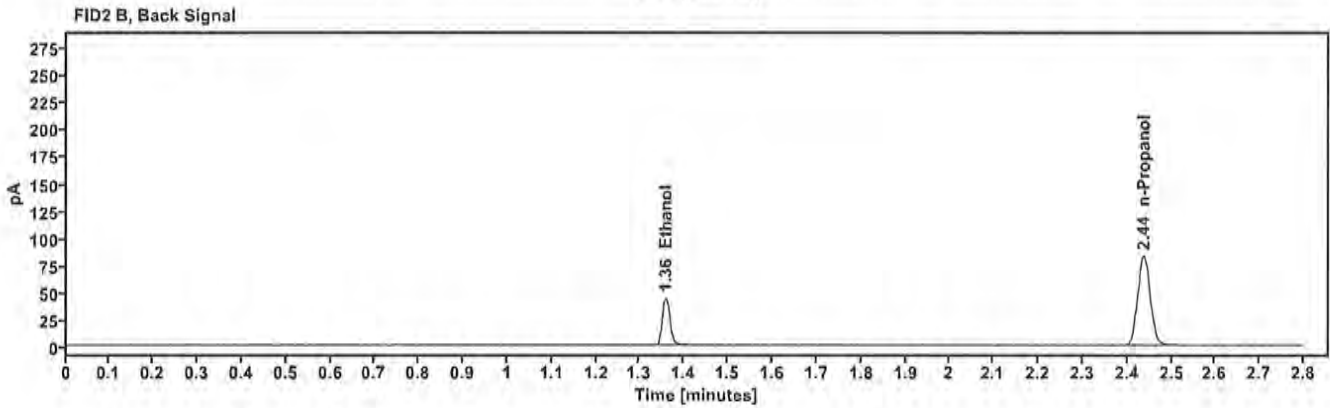
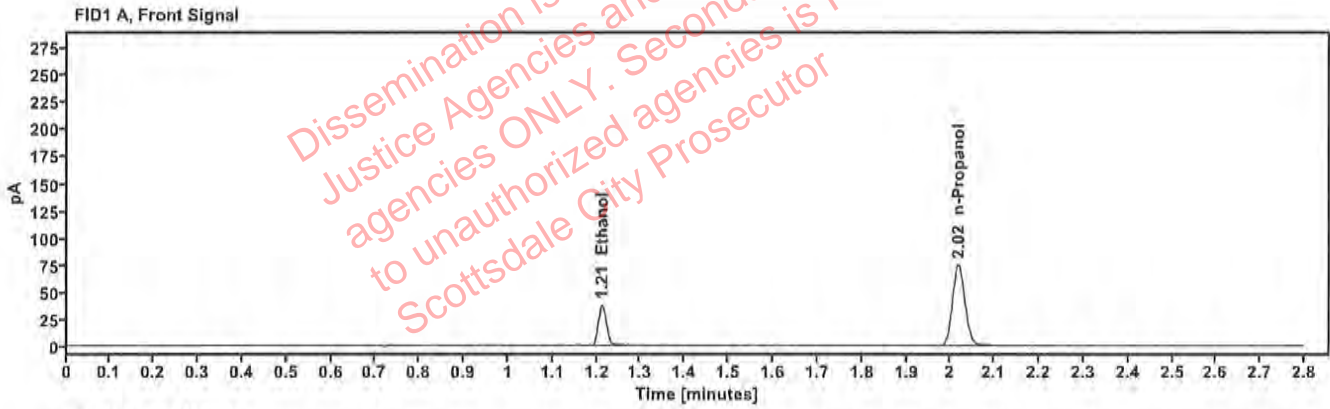


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0791	1.212	48.049
n-Propanol	---	2.018	149.139

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

Compound	Time (min)	Peak Area
Ethanol	1.358	52.913
n-Propanol	2.437	163.319

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 17Oct23
Instrument: US14173023 CN14160045	Injection date: 10/17/2023 1:56:02 PM
Data file: C:\Chem32\1\Data\17Oct23\31.D	Analyst: Canonico <i>el</i>

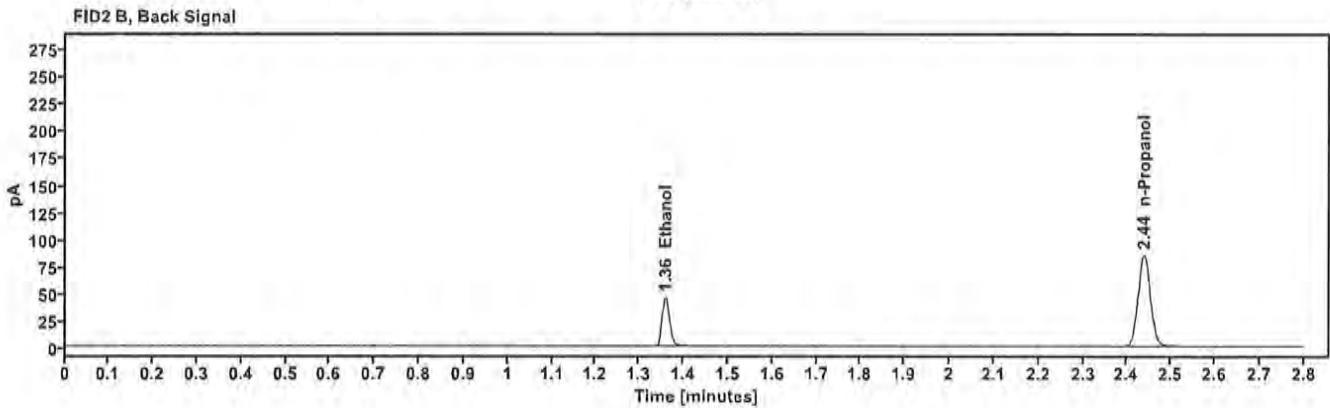
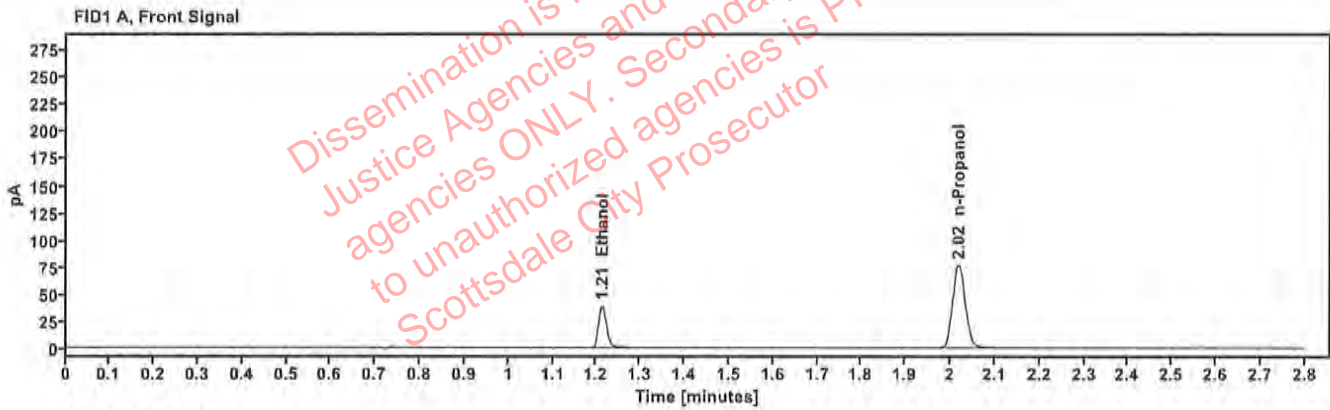


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0797	1.212	49.487
n-Propanol	---	2.018	152.550

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

Compound	Time (min)	Peak Area
Ethanol	1.359	54.407
n-Propanol	2.438	167.100

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Oct23
Instrument: US14173023 CN14160045	Injection date: 10/17/2023 2:40:16 PM
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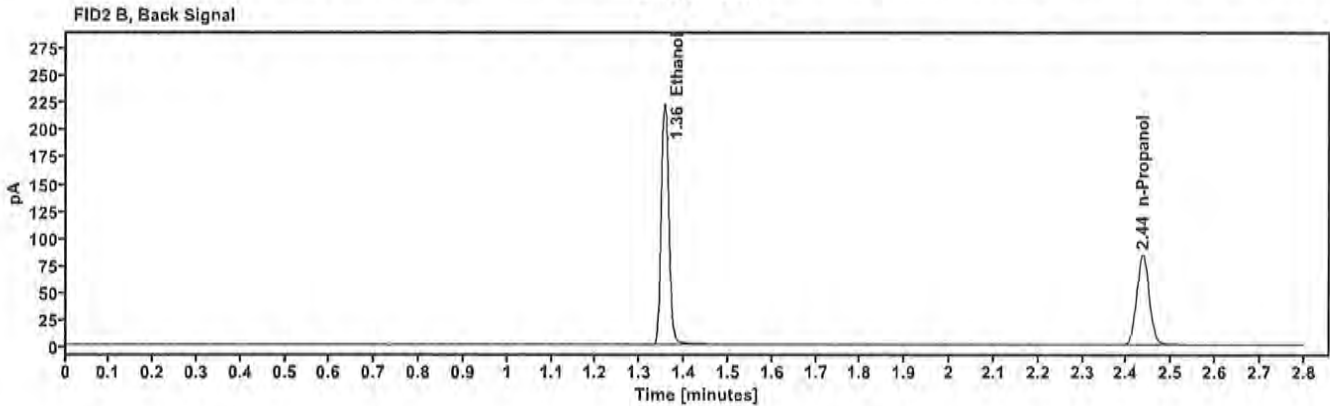
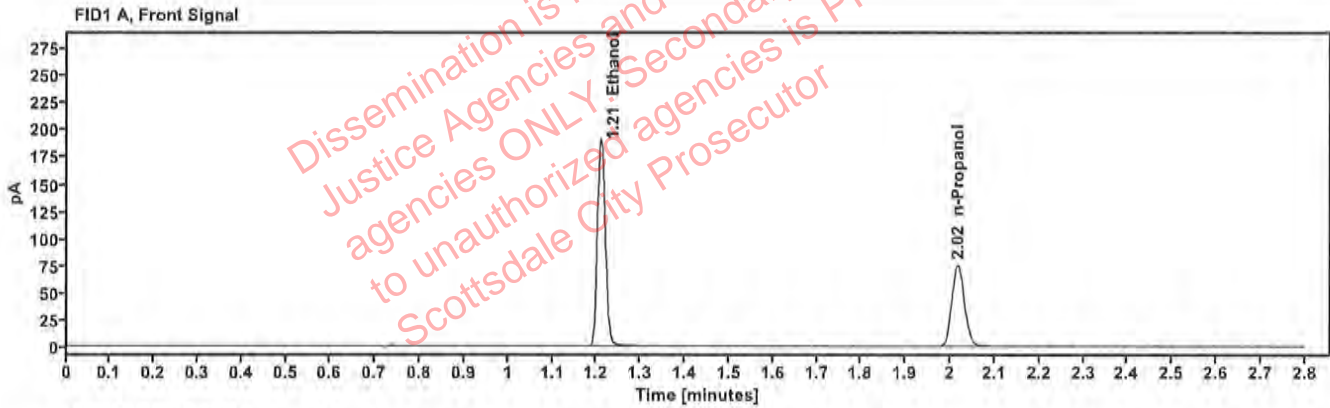


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3988	1.209	242.500
n-Propanol	---	2.017	149.533

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

Compound	Time (min)	Peak Area
Ethanol	1.356	267.911
n-Propanol	2.436	163.946

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:44:31 PM
Data file:	C:\Chem32\1\Data\17Oct23\43.D	Analyst:	Canonico <i>ec</i>

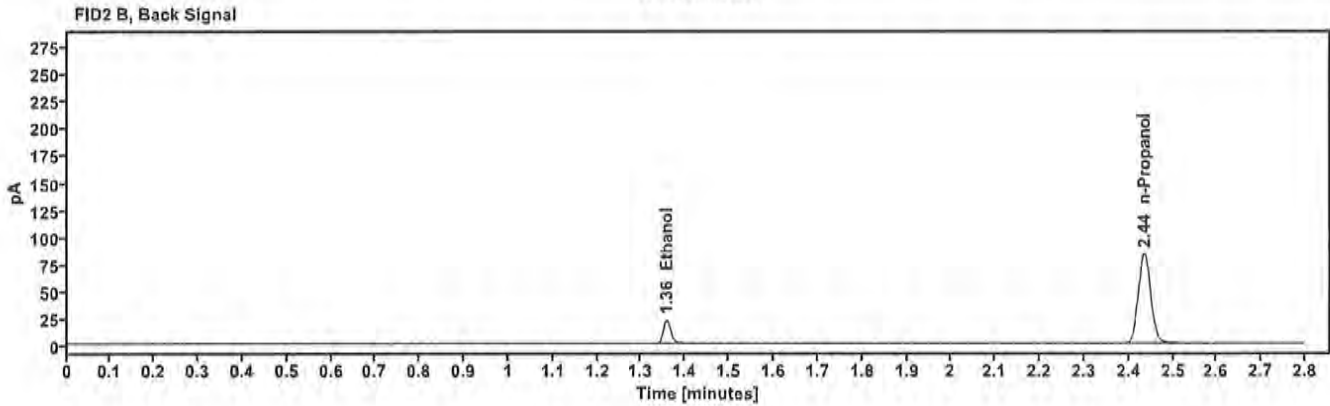
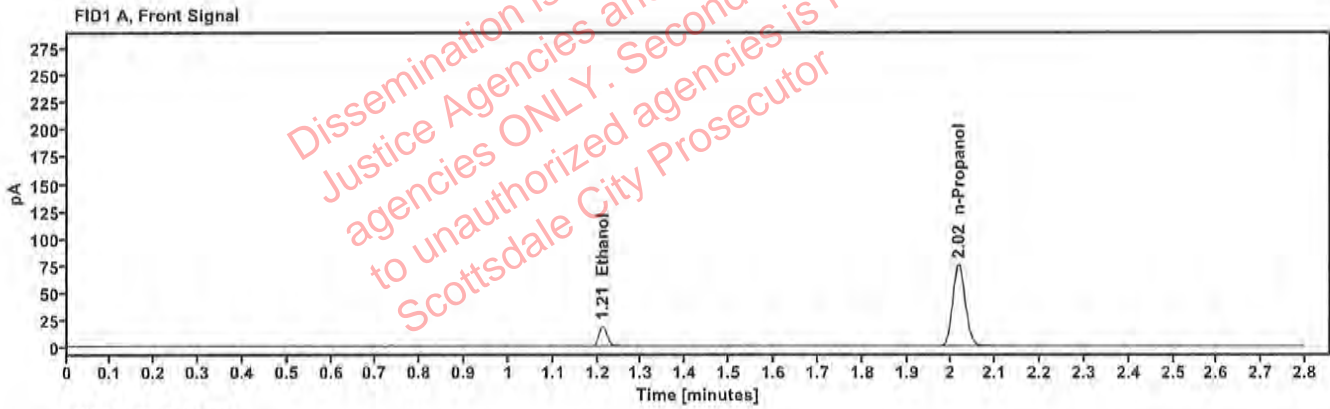


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0394	1.211	24.072
n-Propanol	-----	2.017	149.856

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.421
n-Propanol	2.435	164.144

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/11	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:48:31 PM
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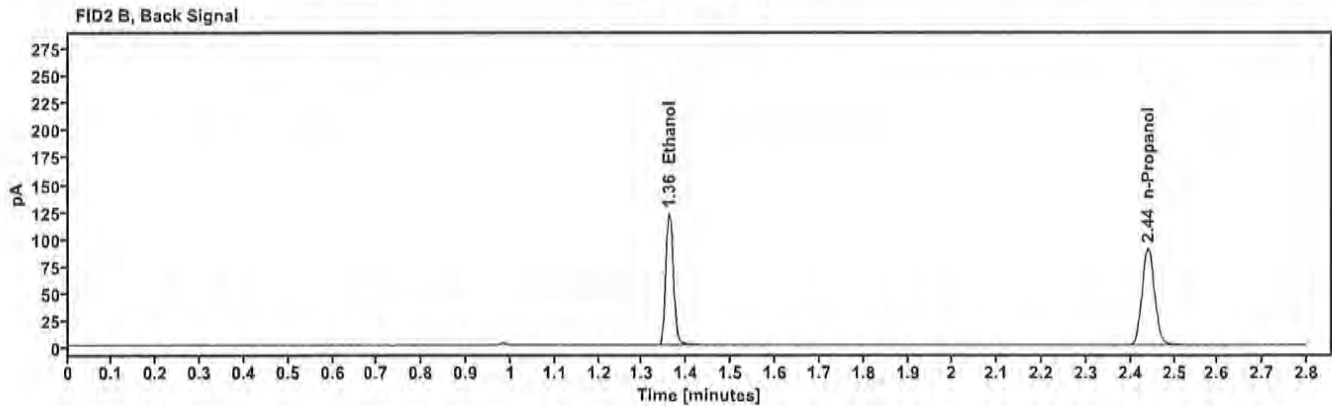
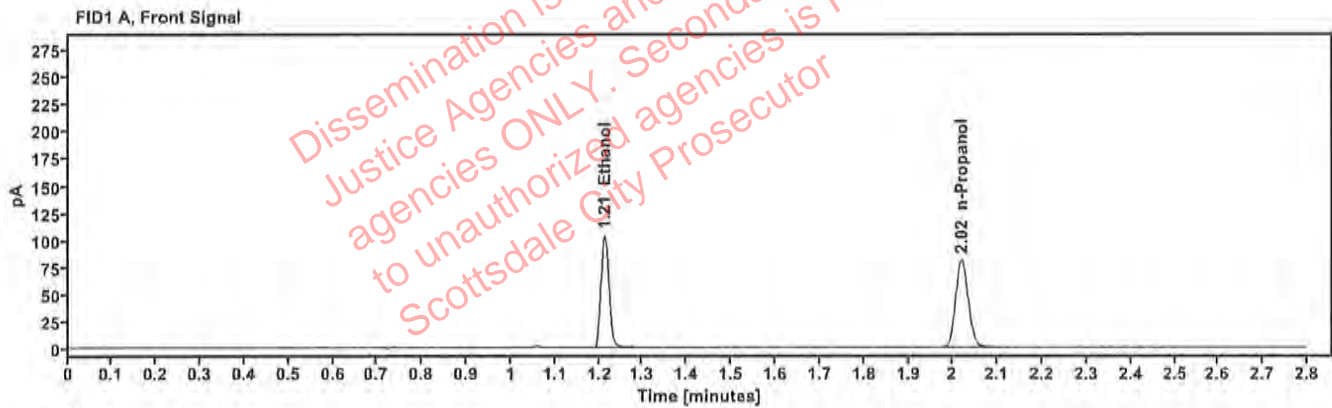


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2021	1.212	133.066
n-Propanol	---	2.019	161.844

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

Compound	Time (min)	Peak Area
Ethanol	1.360	146.798
n-Propanol	2.440	177.376

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	092223AQ	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:52:31 PM
Data file:	C:\Chem32\1\Data\17Oct23\45.D	Analyst:	Canonico <i>EC</i>

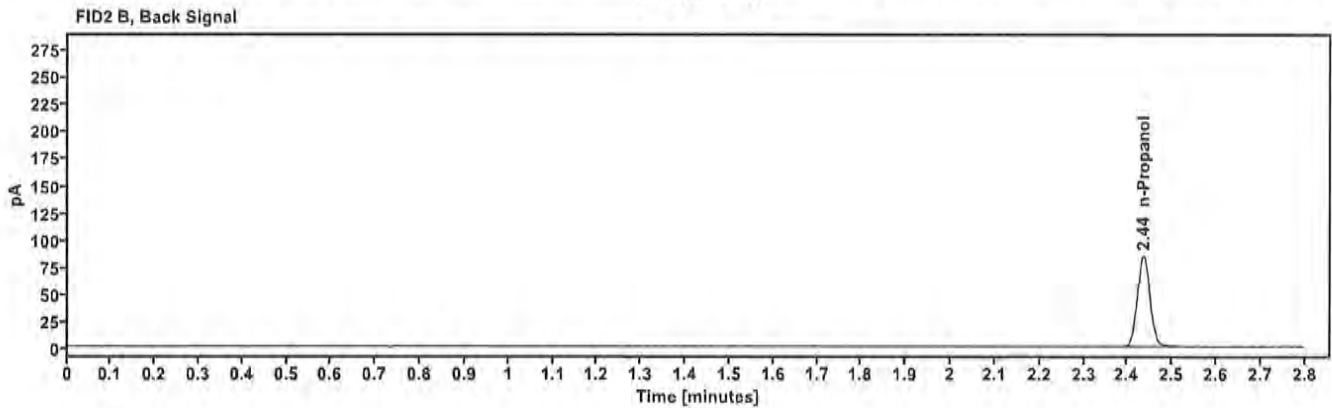
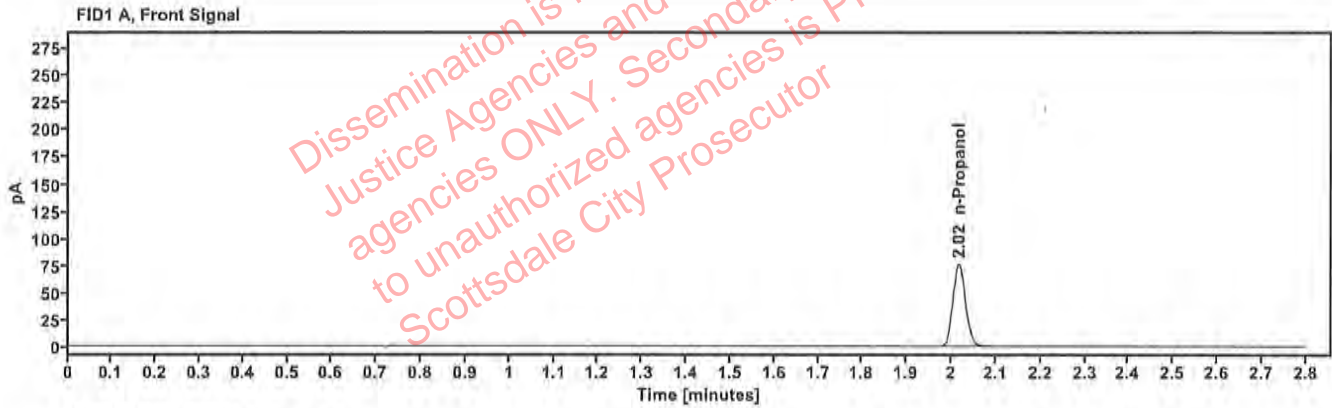


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.016	151.438

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	165.857

Sequence Summary

Sequence name: 17Oct23 Instrument: US14173023 CN14160045 Analyst: Canonico *EQ*

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	414-01T.K.				ethanol quant.M
11	414-01T.K.				ethanol quant.M
12	425-01G.S.				ethanol quant.M
13	425-01G.S.				ethanol quant.M
14	2320574-2				ethanol quant.M
15	2320574-2				ethanol quant.M
16	2320591-1				ethanol quant.M
17	2320591-1				ethanol quant.M
18	2320662-2				ethanol quant.M
19	2320662-2				ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2320739-2				ethanol quant.M
22	2320739-2				ethanol quant.M
23	2320737-2				ethanol quant.M
24	2320737-2				ethanol quant.M
25	2320333-2				ethanol quant.M
26	2320333-2				ethanol quant.M
27	2320194-1				ethanol quant.M
28	2320194-1				ethanol quant.M
29	2320742-3				ethanol quant.M
30	2320742-3				ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2320826-2				ethanol quant.M
33	2320826-2				ethanol quant.M
34	2320681-4				ethanol quant.M
35	2320681-4				ethanol quant.M
36	2320862-1				ethanol quant.M
37	2320862-1				ethanol quant.M
38	2316512-2				ethanol quant.M
39	2316512-2				ethanol quant.M
40	2319289-3				ethanol quant.M
41	2319289-3				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

SEQUENCE NAME: 17Oct23

ANALYST: Canonico ee

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0380	0.0379	0.03795	0.13	0.00005
12 13	0.2236	0.2258	0.22470	0.49	0.00110
14 15	0.1647	0.1650	0.16485	0.09	0.00015
16 17	0.1835	0.1835	0.18350	0.00	0.00000
18 19	0.2137	0.2134	0.21355	0.07	0.00015
21 22	0.1869	0.1864	0.18665	0.13	0.00025
23 24	0.1200	0.1212	0.12060	0.50	0.00060
25 26	0.2642	0.2634	0.26380	0.15	0.00040
27 28	0.2227	0.2225	0.22260	0.04	0.00010
29 30	0.0083	0.0083	0.00830	0.00	0.00000
32 33	0.1973	0.1968	0.19705	0.13	0.00025
34 35	0.0000	0.0000	0.00000	0.00	0.00000
36 37	0.2197	0.2207	0.22020	0.23	0.00050
38 39	0.0988	0.0988	0.09880	0.00	0.00000
40 41	0.2616	0.2632	0.26240	0.30	0.00080

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

Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

ANALYST: Canonico EQ

SEQUENCE: 17Oct23

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	414-01T.K.	414-01T.K.	414-01T.K.	Yes
Vials 12 and 13	425-01G.S.	425-01G.S.	425-01G.S.	Yes
Vials 14 and 15	2320574-2	2320574-2	2320574-2	Yes
Vials 16 and 17	2320591-1	2320591-1	2320591-1	Yes
Vials 18 and 19	2320662-2	2320662-2	2320662-2	Yes
Vials 21 and 22	2320739-2	2320739-2	2320739-2	Yes
Vials 23 and 24	2320737-2	2320737-2	2320737-2	Yes
Vials 25 and 26	2320333-2	2320333-2	2320333-2	Yes
Vials 27 and 28	2320194-1	2320194-1	2320194-1	Yes
Vials 29 and 30	2320742-3	2320742-3	2320742-3	Yes
Vials 32 and 33	2320826-2	2320826-2	2320826-2	Yes
Vials 34 and 35	2320681-4	2320681-4	2320681-4	Yes
Vials 36 and 37	2320862-1	2320862-1	2320862-1	Yes
Vials 38 and 39	2316512-2	2316512-2	2316512-2	Yes
Vials 40 and 41	2319289-3	2319289-3	2319289-3	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	414-01T.K.	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:31:03 PM
Data file:	C:\Chem32\1\Data\17Oct23\10.D	Analyst:	Canonico

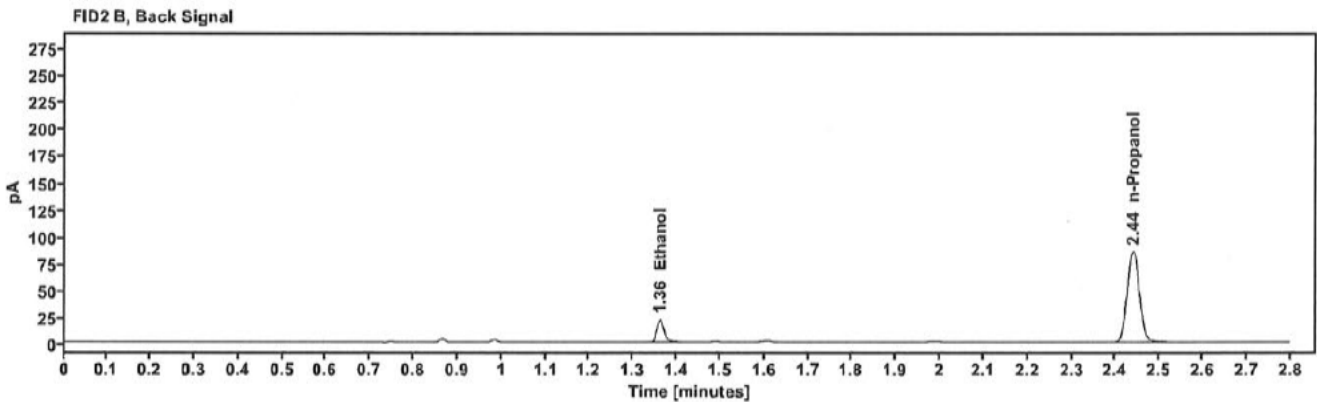
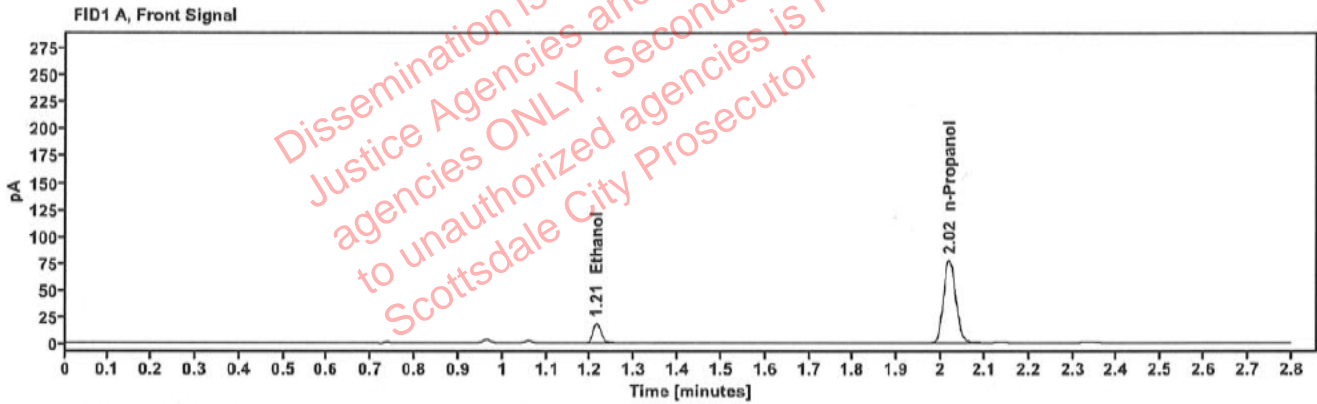


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0380	1.214	24.002
n-Propanol	-----	2.019	154.891

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

Compound	Time (min)	Peak Area
Ethanol	1.361	27.018
n-Propanol	2.439	169.434

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	414-01T.K	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:35:03 PM
Data file:	C:\Chem32\1\Data\17Oct23\11.D	Analyst:	Canonico

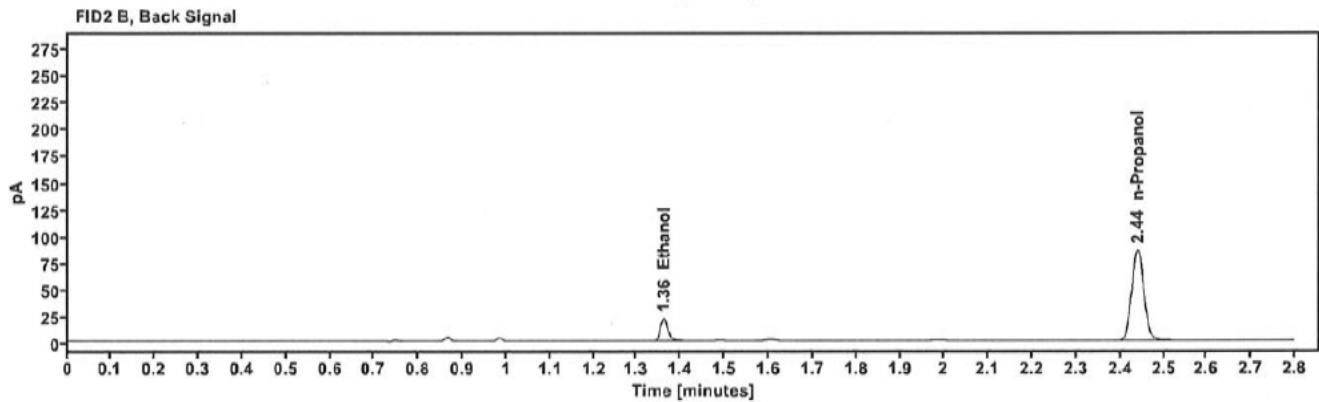
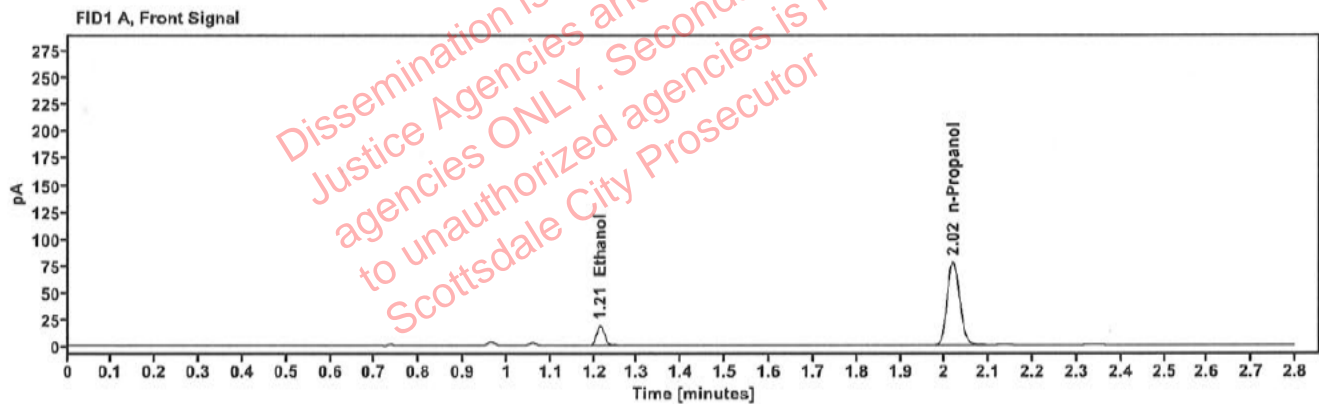


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0379	1.214	23.991
n-Propanol	-----	2.019	155.124

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

Compound	Time (min)	Peak Area
Ethanol	1.361	26.978
n-Propanol	2.439	169.659

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	425-01G.S	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:39:03 PM
Data file:	C:\Chem32\1\Data\17Oct23\12.D	Analyst:	Canonico

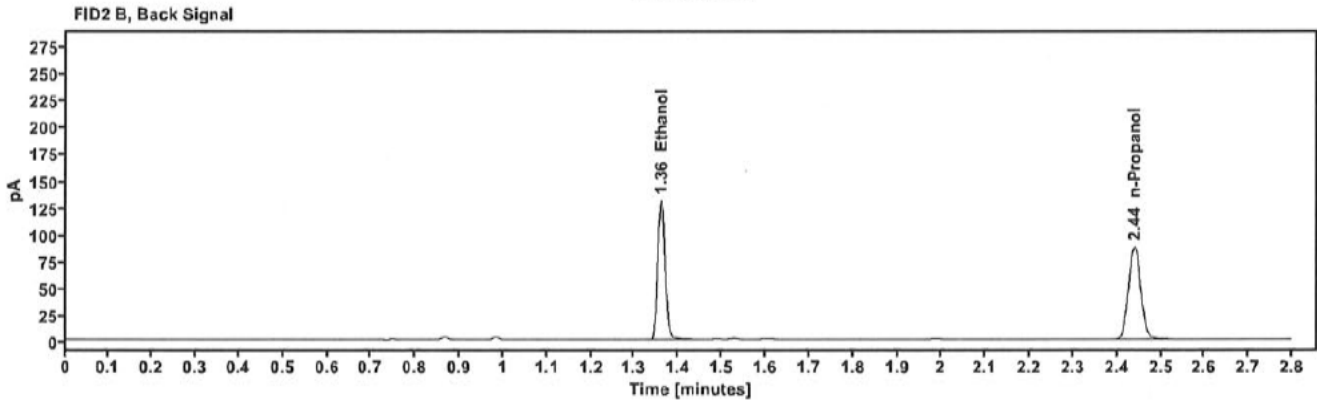
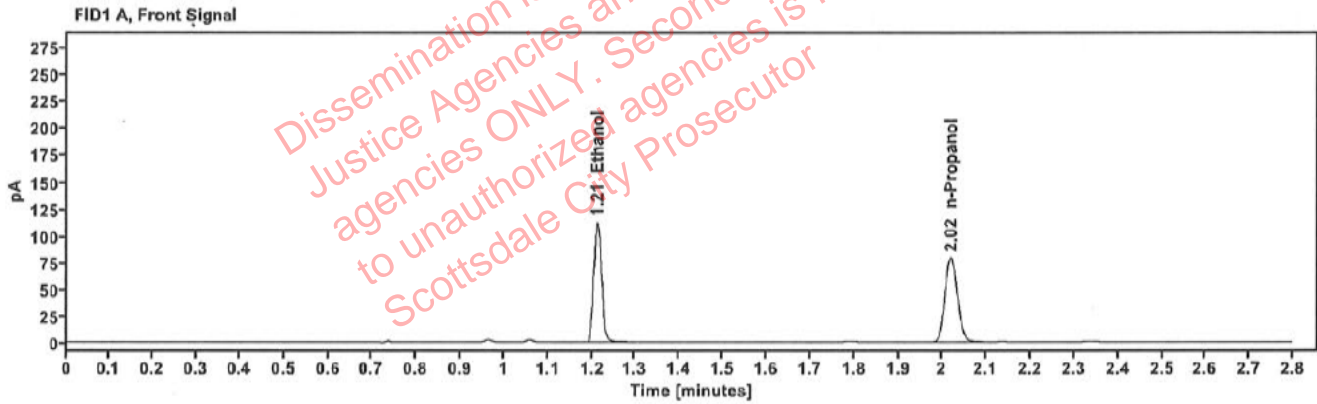


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2236	1.212	143.007
n-Propanol	-----	2.019	157.244

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

Compound	Time (min)	Peak Area
Ethanol	1.360	157.724
n-Propanol	2.439	172.700

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	425-01G.S.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:43:18 PM
Data file:	C:\Chem32\1\Data\17Oct23\13.D	Analyst:	Canonico

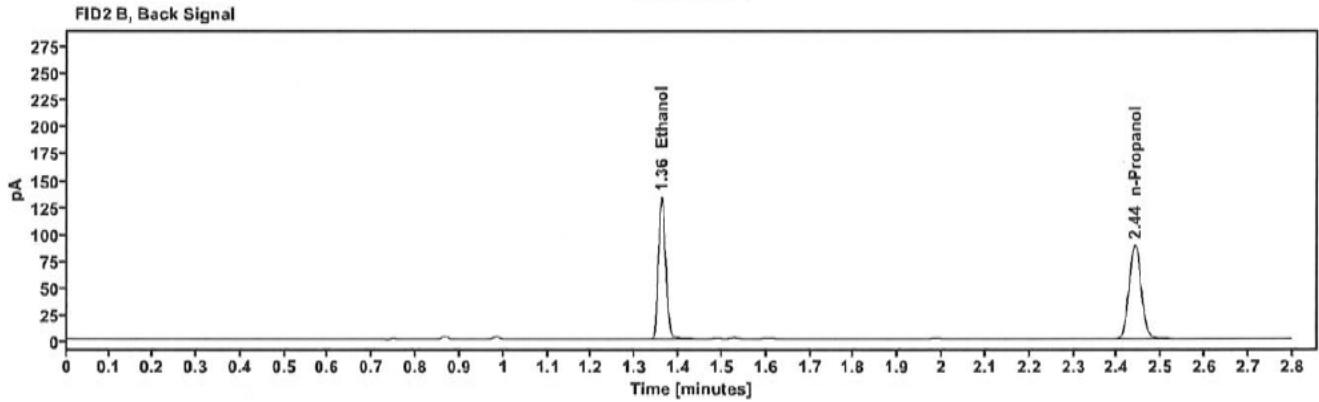
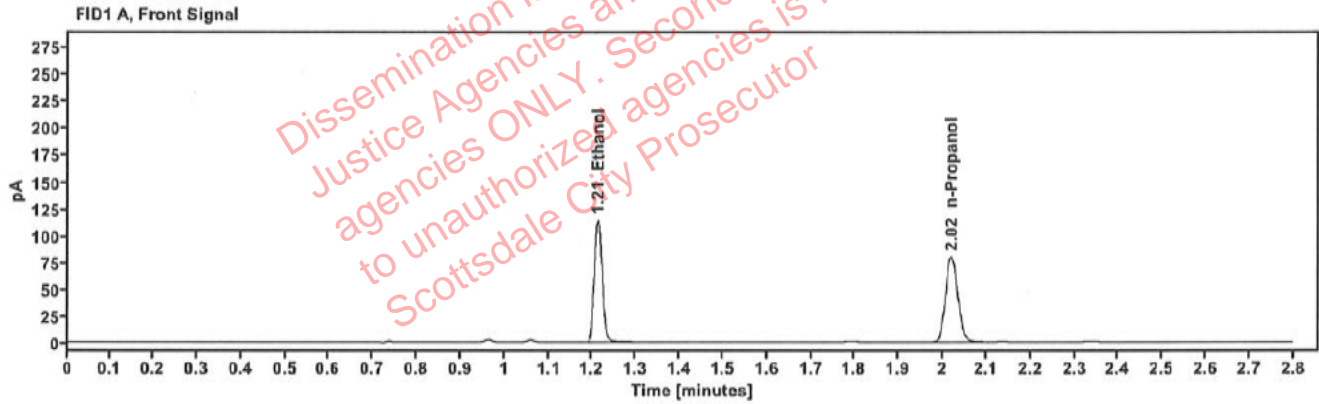


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2258	1.213	145.906
n-Propanol	-----	2.020	158.855

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

Compound	Time (min)	Peak Area
Ethanol	1.361	160.487
n-Propanol	2.440	174.402

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320574-2	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.m	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:47:18 PM
Data file:	C:\Chem32\1\Data\17Oct23\14.D	Analyst:	Canonico

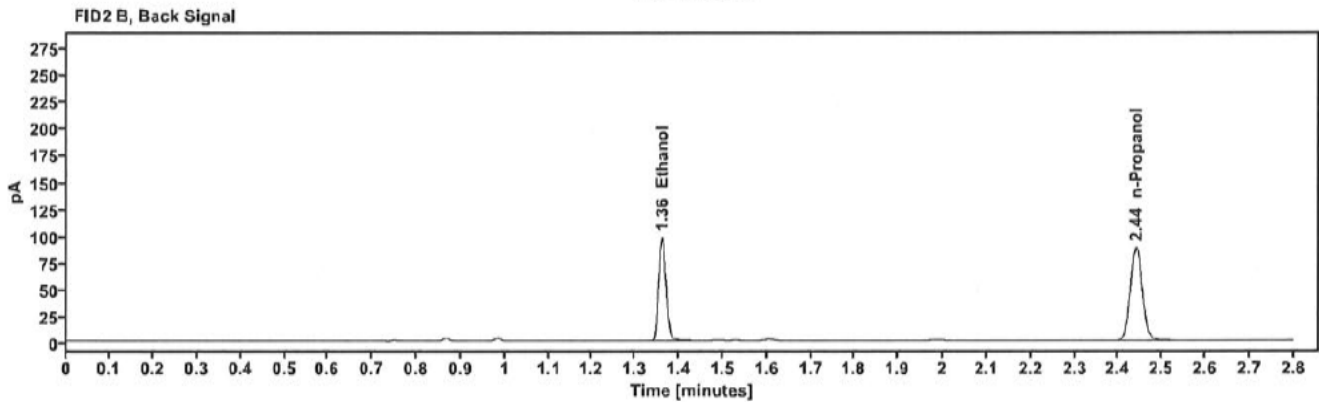
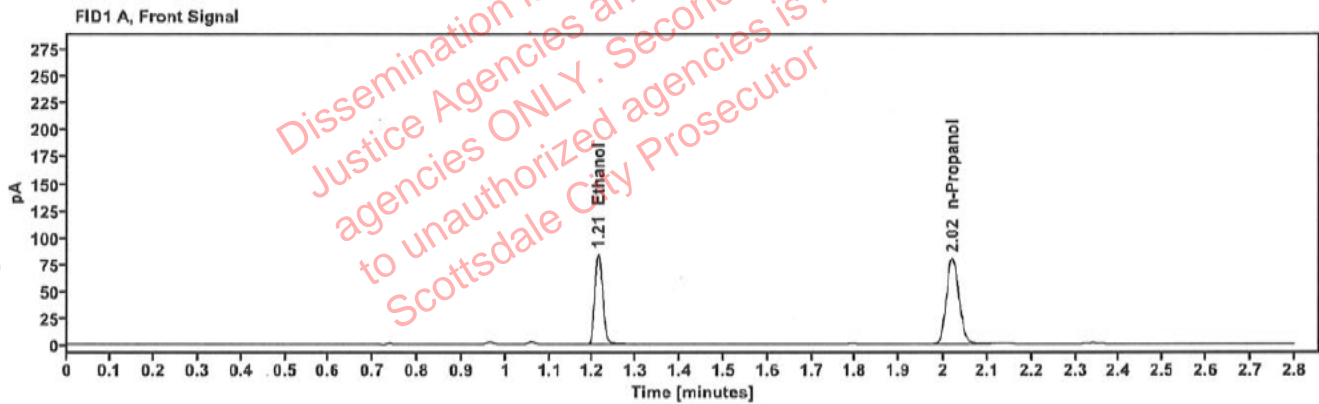


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1647	1.213	106.906
n-Propanol	-----	2.020	159.547

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

Compound	Time (min)	Peak Area
Ethanol	1.361	118.029
n-Propanol	2.440	174.139

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320574-2	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:51:17 PM
Data file:	C:\Chem32\1\Data\17Oct23\15.D	Analyst:	Canonico

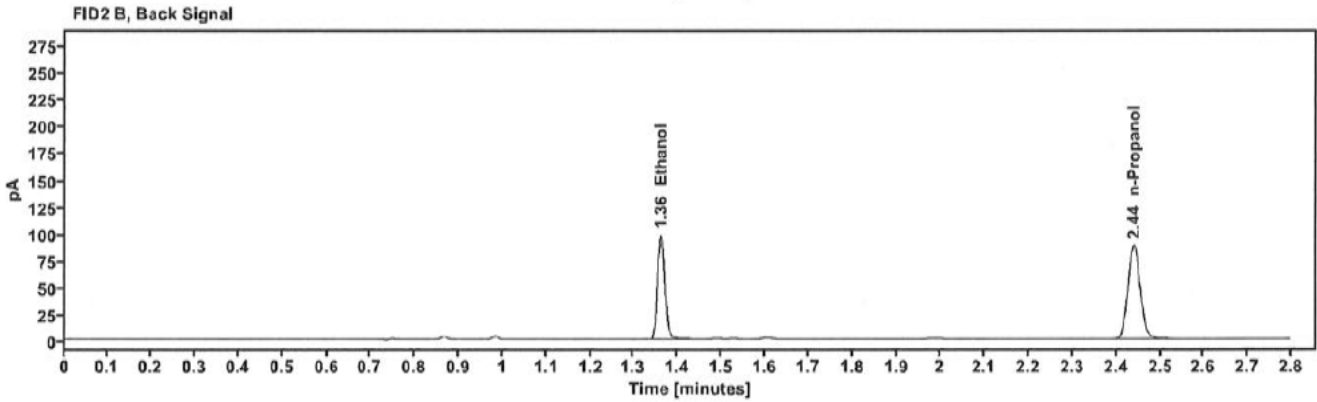
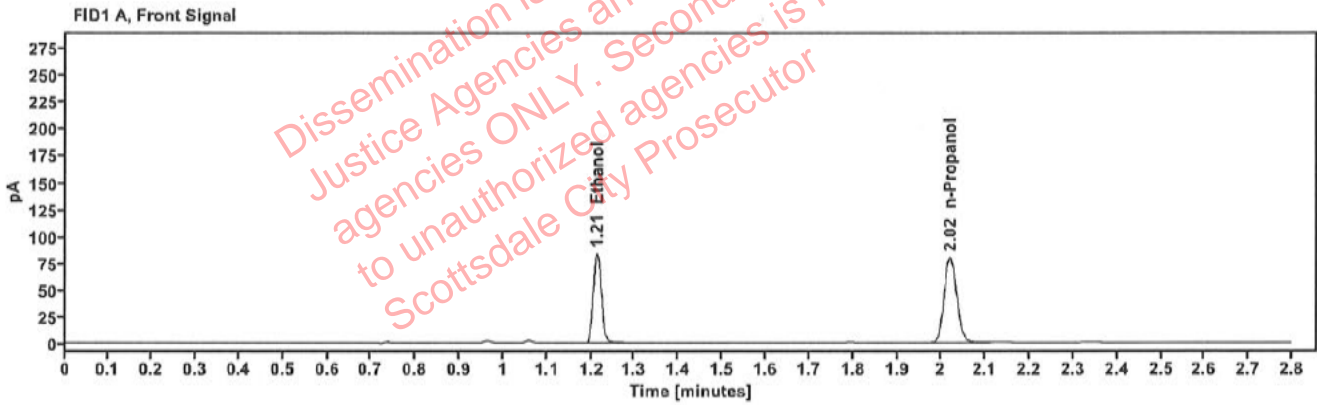


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1650	1.213	107.325
n-Propanol	-----	2.020	159.893

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

Compound	Time (min)	Peak Area
Ethanol	1.361	118.435
n-Propanol	2.440	174.408

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320591-1	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:55:17 PM
Data file:	C:\Chem32\1\Data\17Oct23\16.D	Analyst:	Canonico

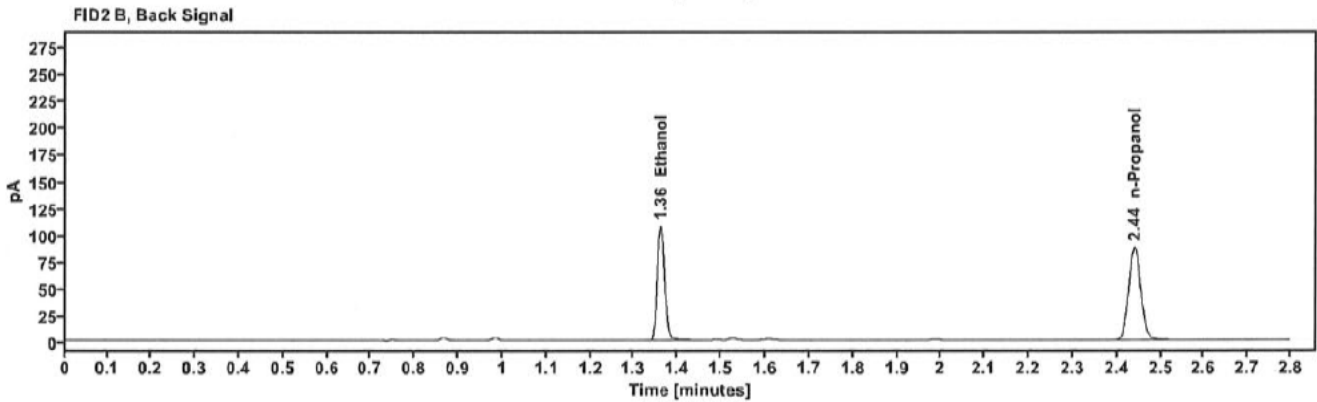
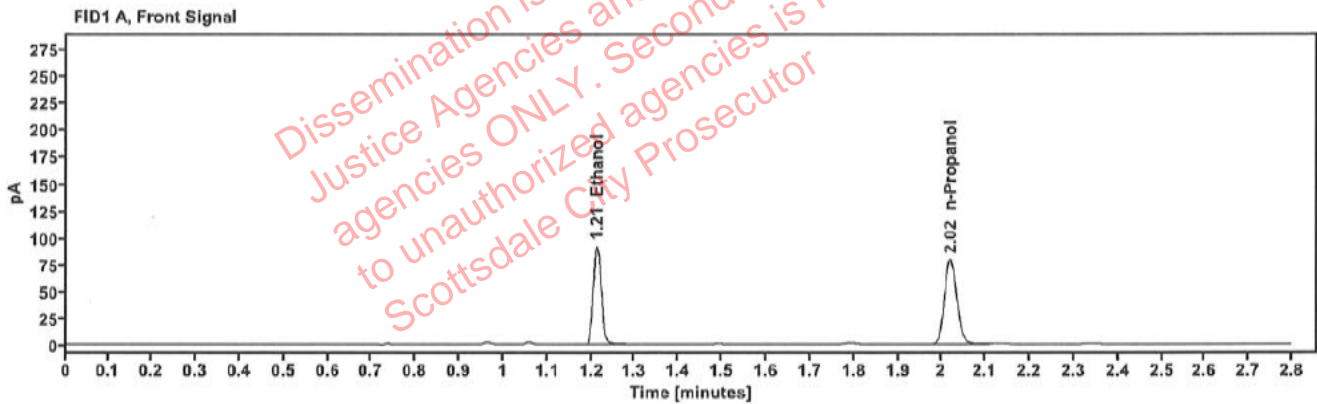


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1835	1.213	117.205
n-Propanol	-----	2.020	157.064

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

Compound	Time (min)	Peak Area
Ethanol	1.361	129.244
n-Propanol	2.440	172.227

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320591-1	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 12:59:17 PM
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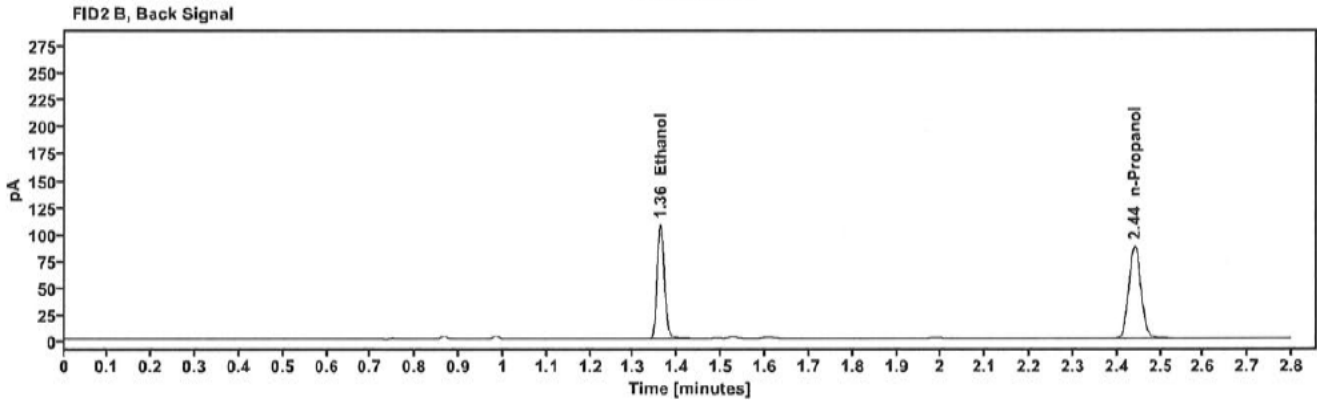
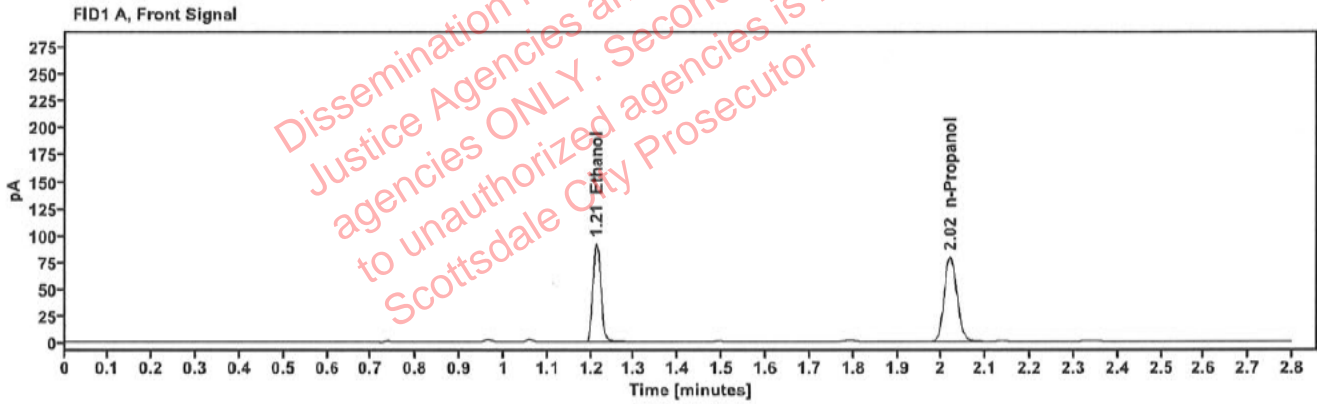


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1835	1.213	117.762
n-Propanol	-----	2.020	157.741

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

Compound	Time (min)	Peak Area
Ethanol	1.361	129.901
n-Propanol	2.440	173.100

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320662-2	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:03:17 PM
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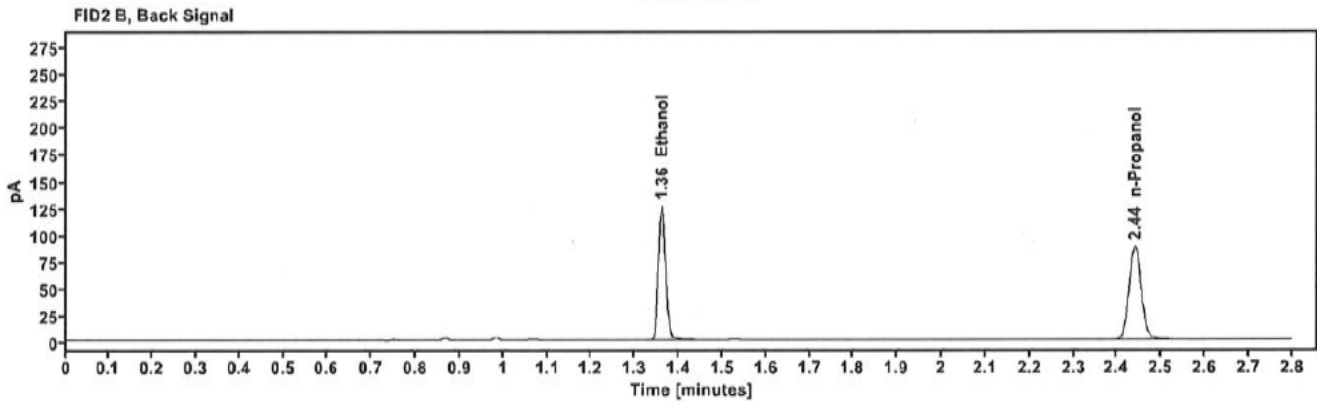
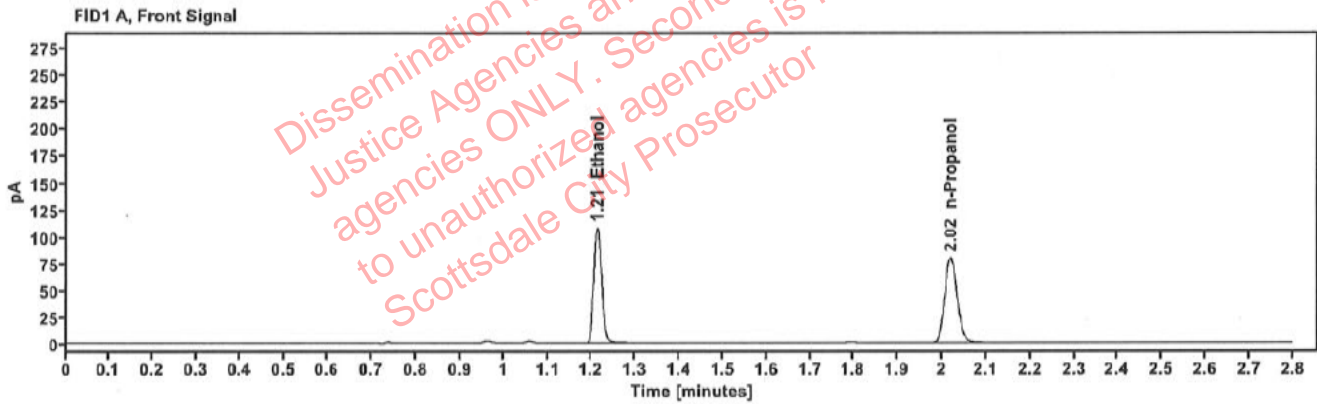


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2137	1.213	137.621
n-Propanol	-----	2.020	158.323

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

Compound	Time (min)	Peak Area
Ethanol	1.361	151.558
n-Propanol	2.440	173.470

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320662-2	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:07:32 PM
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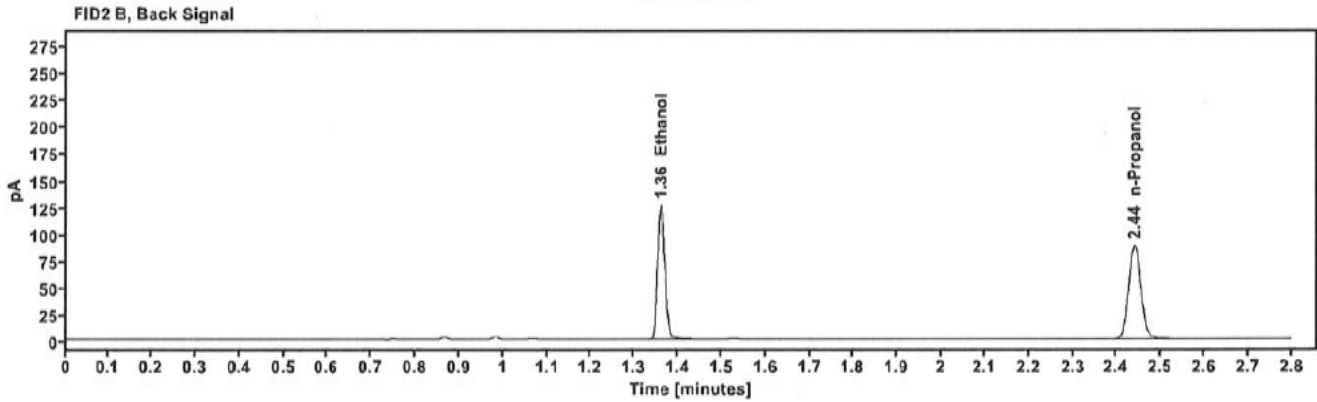
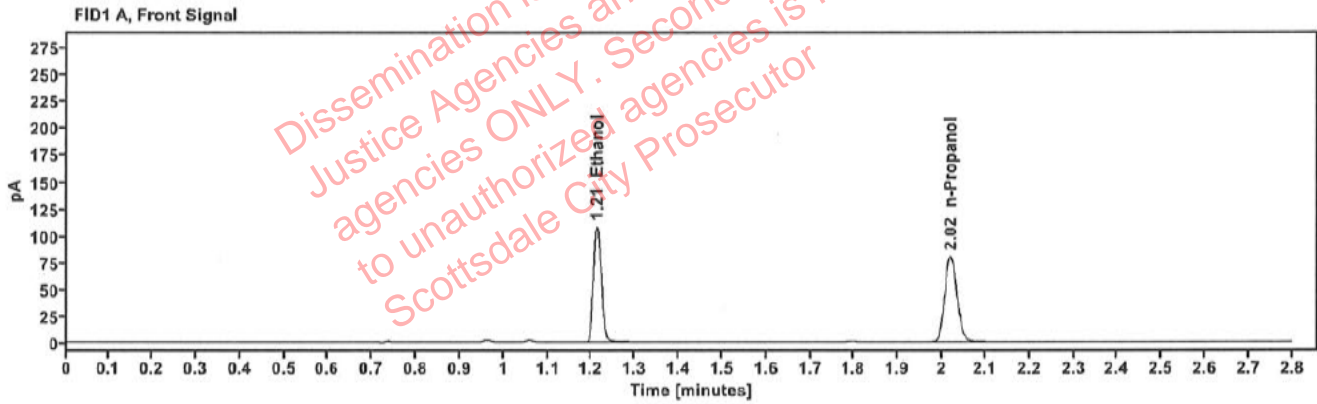


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2134	1.213	138.264
n-Propanol	-----	2.020	159.322

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

Compound	Time (min)	Peak Area
Ethanol	1.361	152.185
n-Propanol	2.440	174.403

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320739-2	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:15:32 PM
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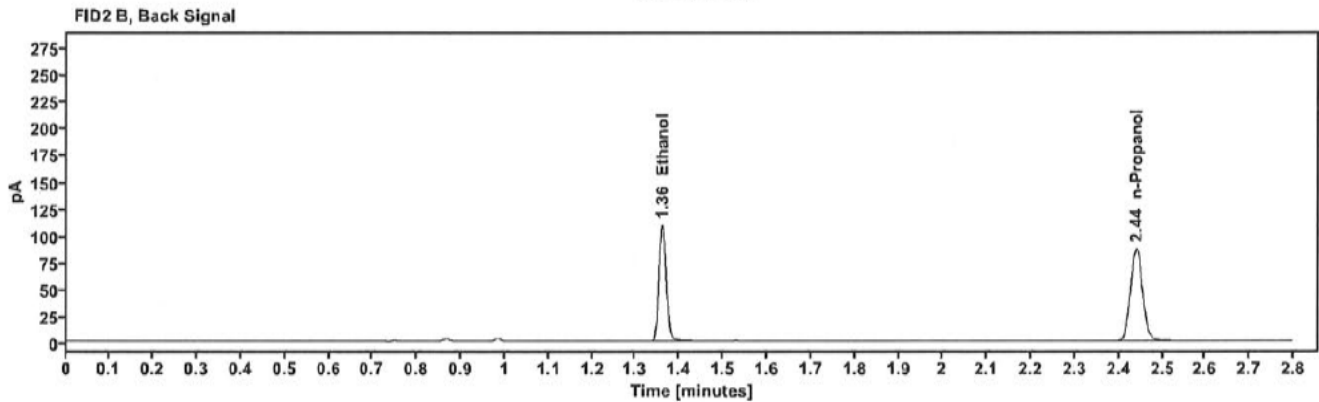
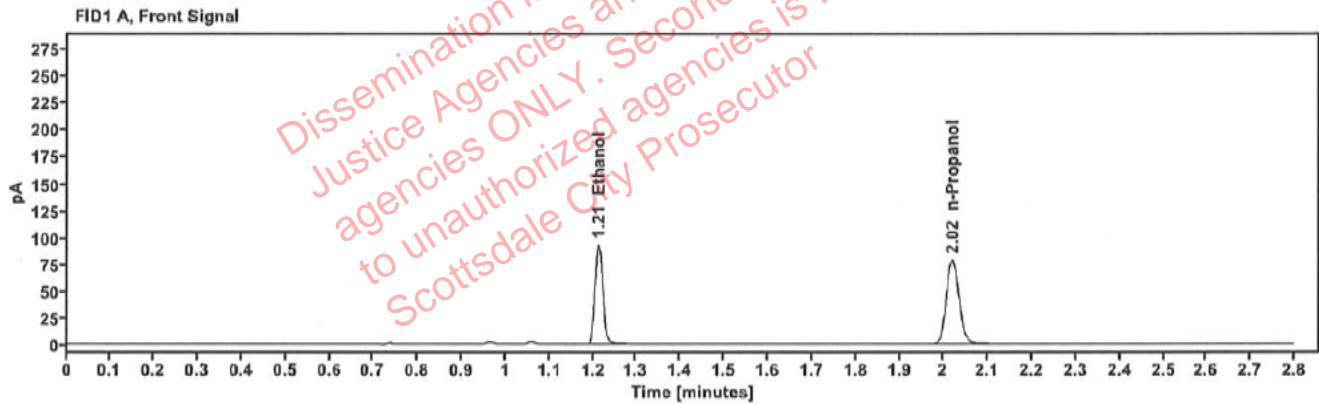


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1869	1.213	119.286
n-Propanol	-----	2.020	156.947

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

Compound	Time (min)	Peak Area
Ethanol	1.361	131.287
n-Propanol	2.440	171.924

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320739-2	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:19:33 PM
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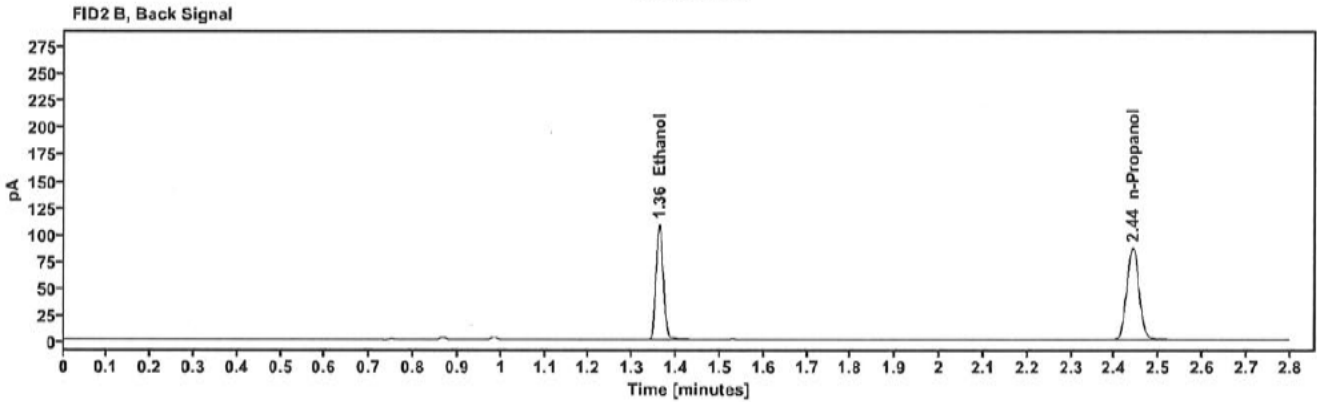
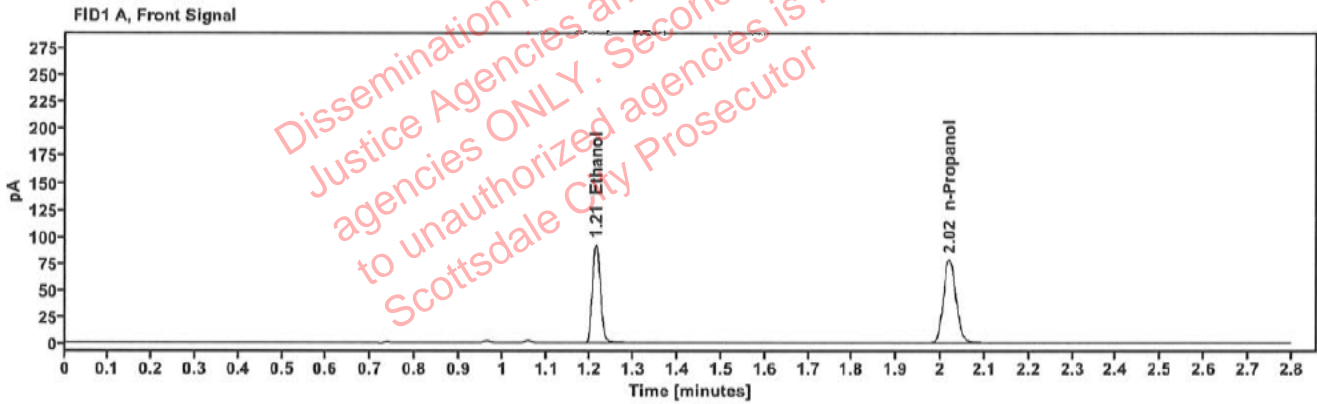


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1864	1.213	118.362
n-Propanol	-----	2.020	156.117

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

Compound	Time (min)	Peak Area
Ethanol	1.361	130.279
n-Propanol	2.440	171.006

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320737-2	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
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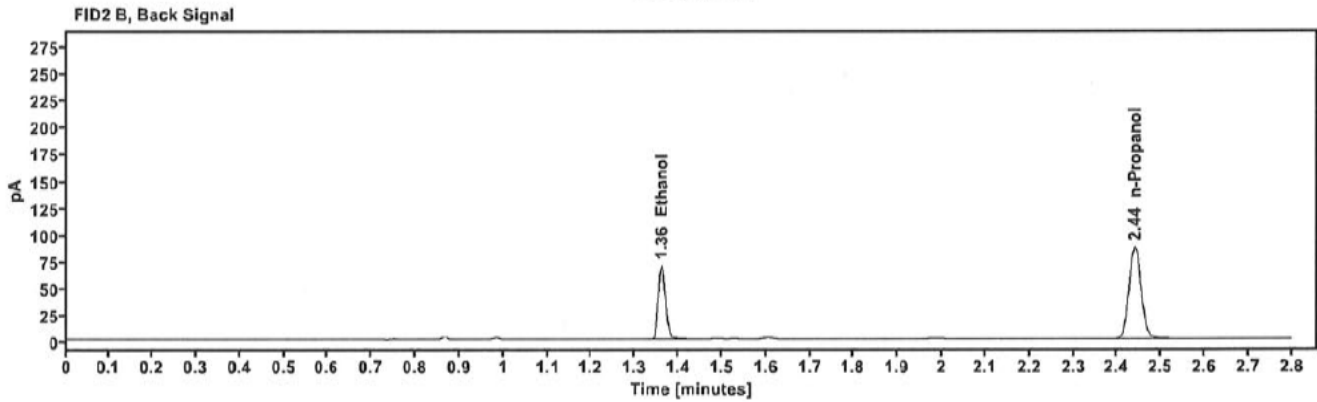
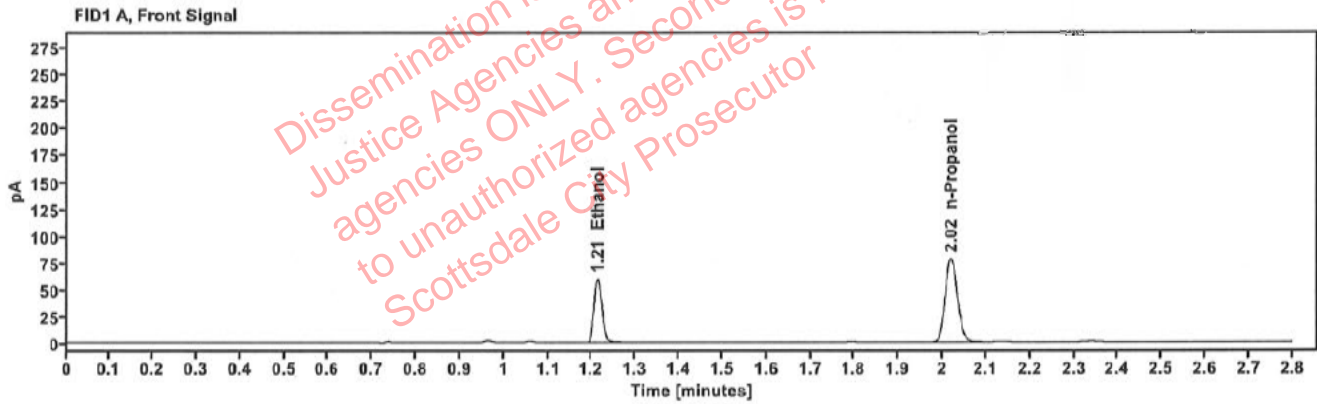


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1200	1.213	76.382
n-Propanol	-----	2.020	156.463

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

Compound	Time (min)	Peak Area
Ethanol	1.361	84.586
n-Propanol	2.440	171.006

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320737-2	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:27:32 PM
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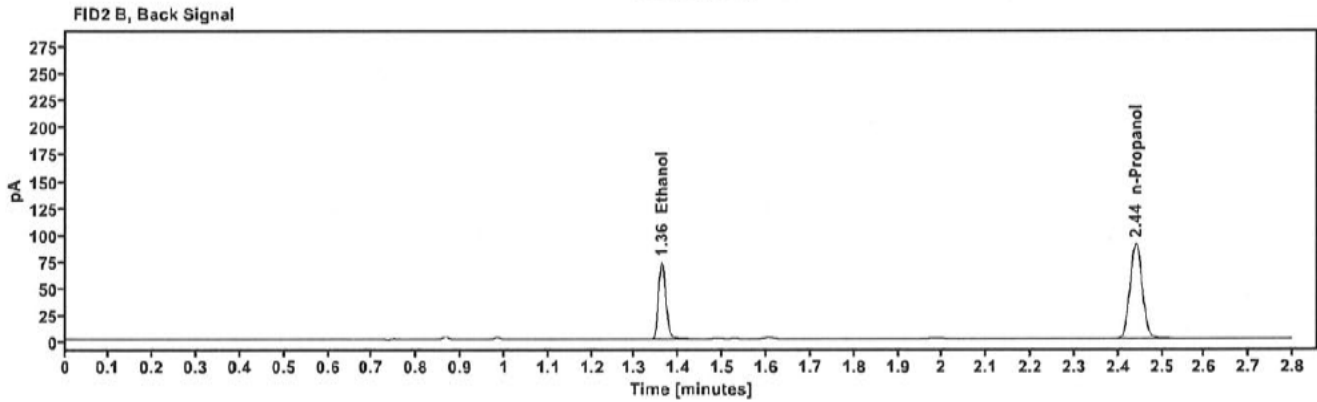
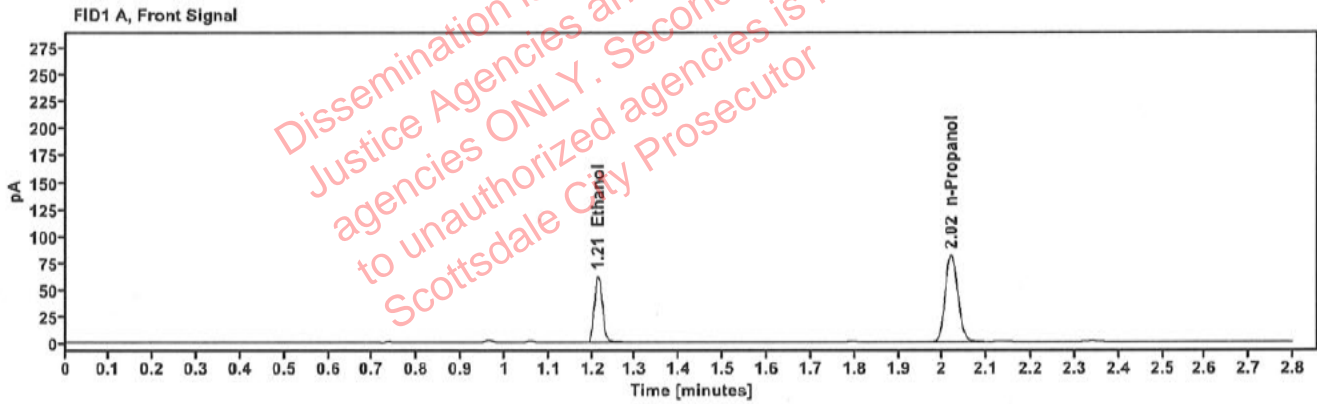


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1212	1.213	79.837
n-Propanol	-----	2.020	161.844

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

Compound	Time (min)	Peak Area
Ethanol	1.361	88.091
n-Propanol	2.440	176.851

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320333-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:31:47 PM
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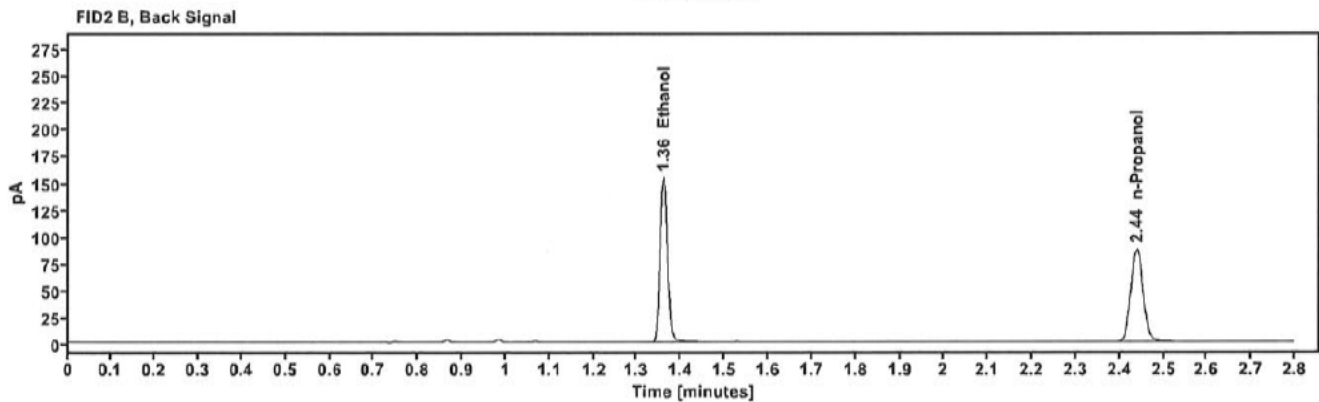
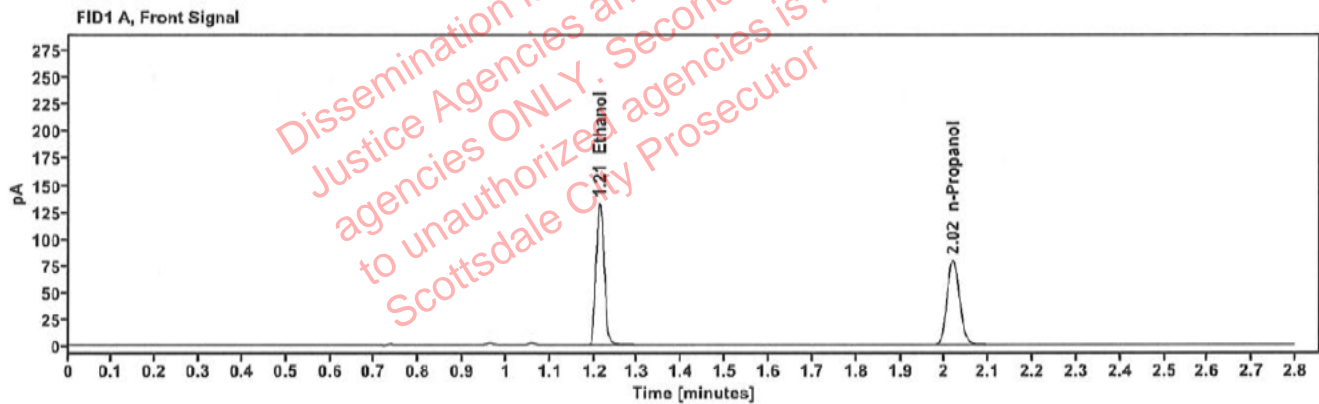


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2642	1.212	168.917
n-Propanol	-----	2.019	157.246

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

Compound	Time (min)	Peak Area
Ethanol	1.360	185.832
n-Propanol	2.439	172.131

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320333-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:35:47 PM
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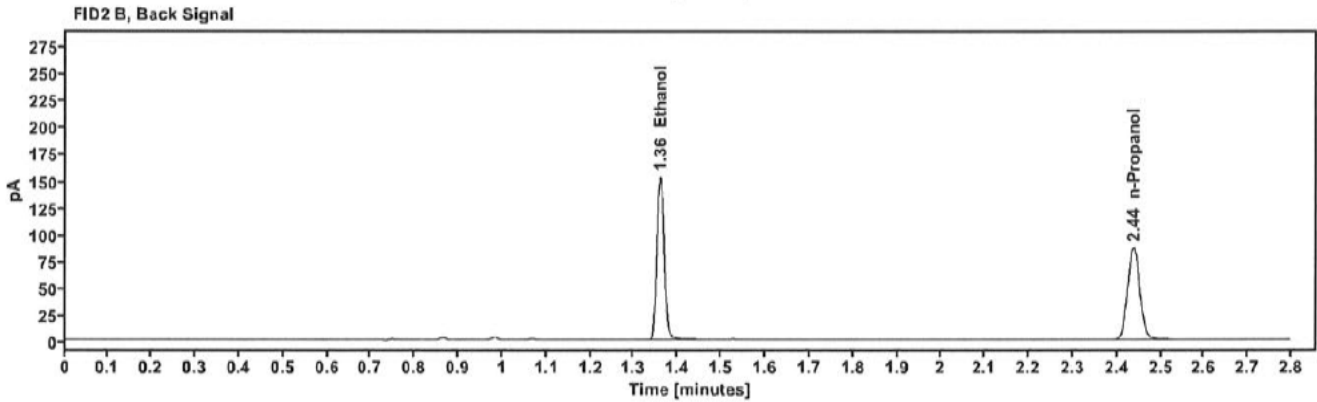
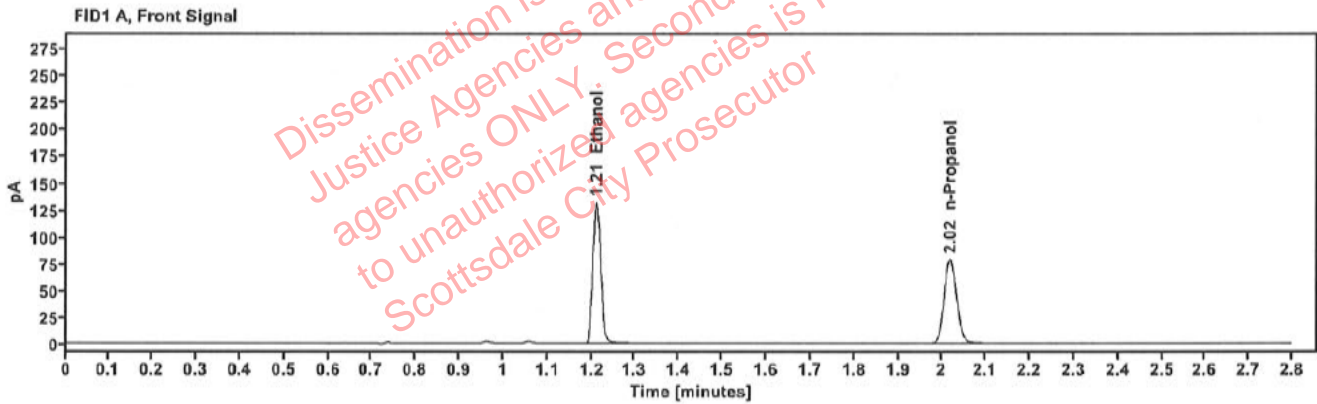


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2634	1.211	167.786
n-Propanol	-----	2.018	156.646

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

Compound	Time (min)	Peak Area
Ethanol	1.359	184.605
n-Propanol	2.438	171.197

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320194-1	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:39:47 PM
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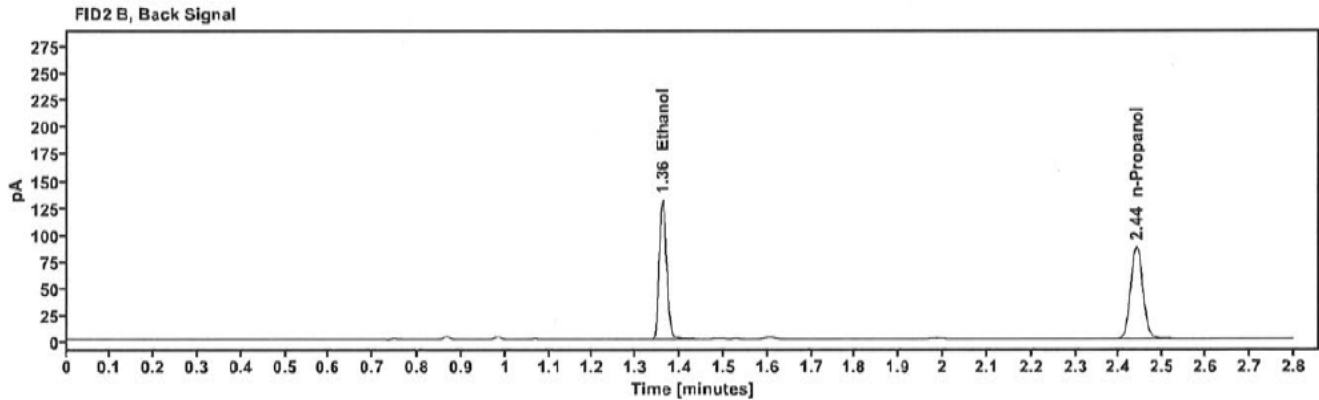
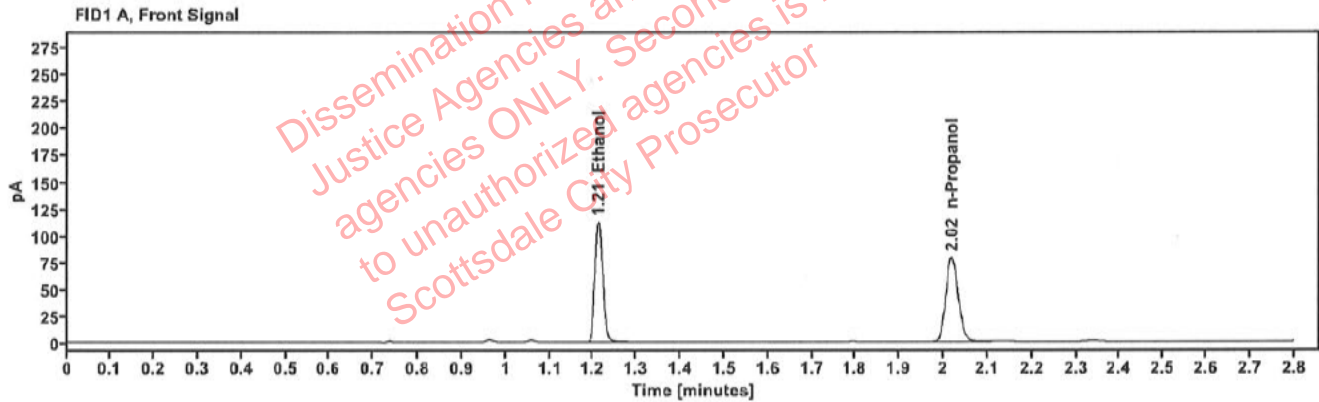


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2227	1.212	143.516
n-Propanol	-----	2.019	158.438

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

Compound	Time (min)	Peak Area
Ethanol	1.360	159.136
n-Propanol	2.439	172.003

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320194-1	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:43:46 PM
Data file:	C:\Chem32\1\Data\17Oct23\28.D	Analyst:	Canonico

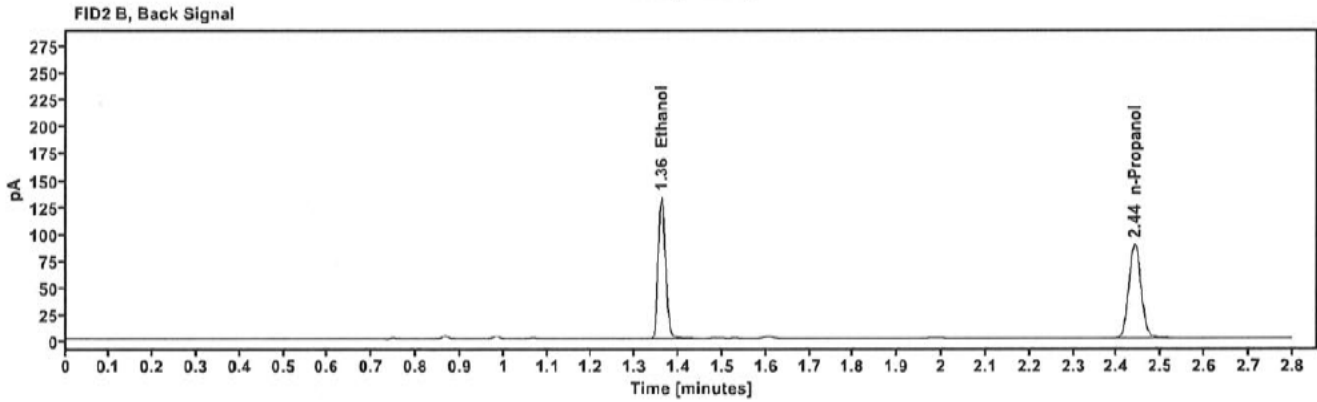
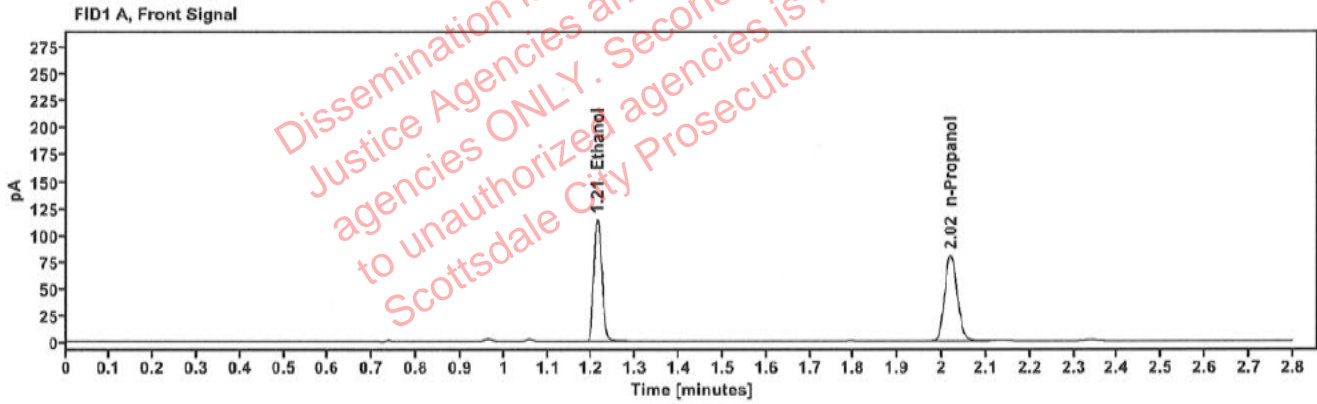


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2225	1.212	145.564
n-Propanol	-----	2.020	160.845

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

Compound	Time (min)	Peak Area
Ethanol	1.360	160.558
n-Propanol	2.440	174.698

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320742-3	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:47:46 PM
Data file:	C:\Chem32\1\Data\17Oct23\29.D	Analyst:	Canonico

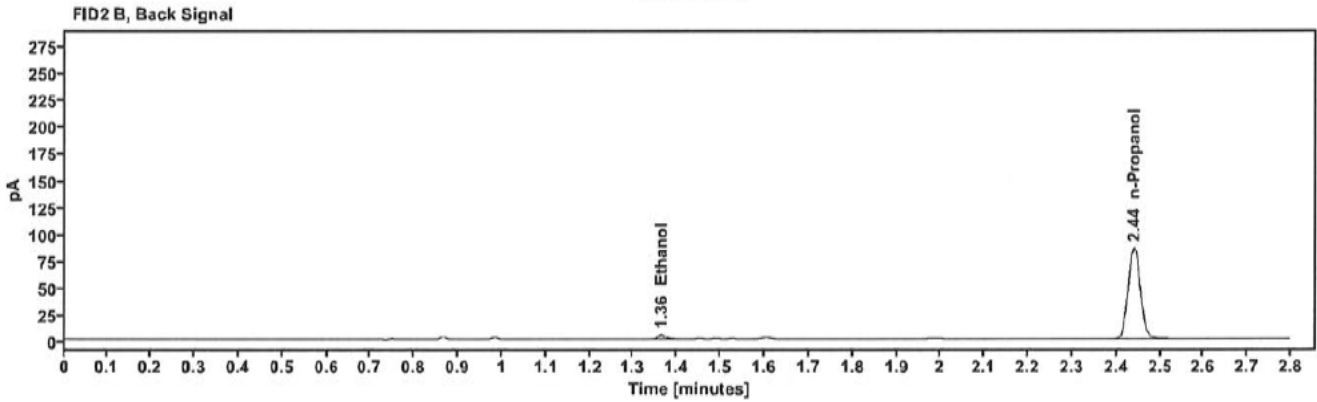
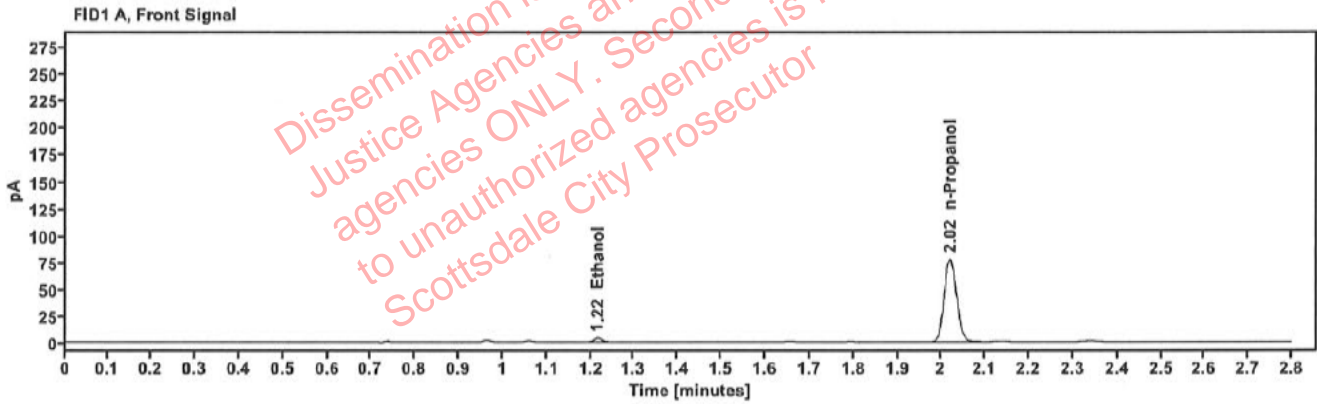


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0083	1.216	5.314
n-Propanol	-----	2.020	155.176

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

Compound	Time (min)	Peak Area
Ethanol	1.363	6.330
n-Propanol	2.440	169.852

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320742-3	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 1:51:48 PM
Data file:	C:\Chem32\1\Data\17Oct23\30.D	Analyst:	Canonico

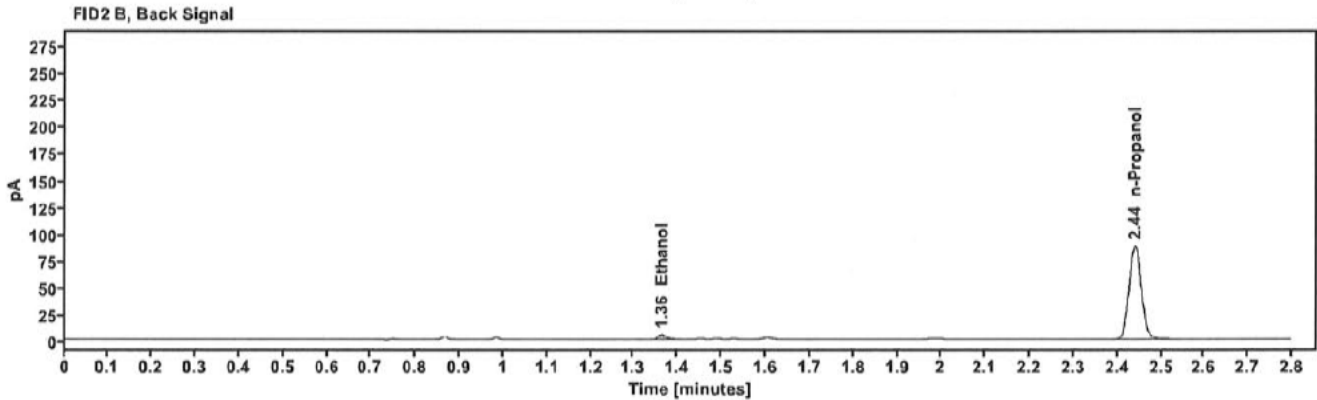
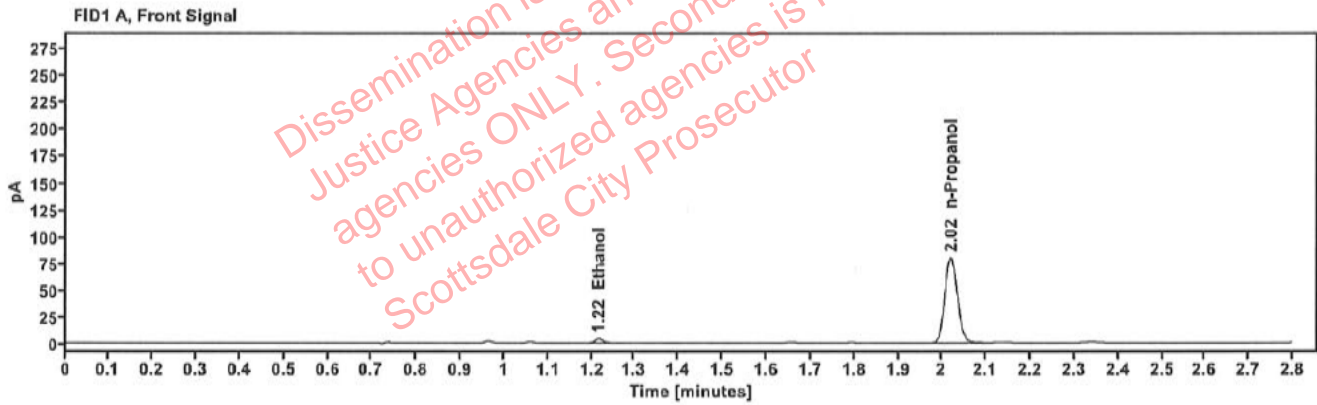


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0083	1.216	5.435
n-Propanol	-----	2.020	159.468

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

Compound	Time (min)	Peak Area
Ethanol	1.364	6.497
n-Propanol	2.440	174.509

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320826-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:00:02 PM
Data file:	C:\Chem32\1\Data\17Oct23\32.D	Analyst:	Canonico

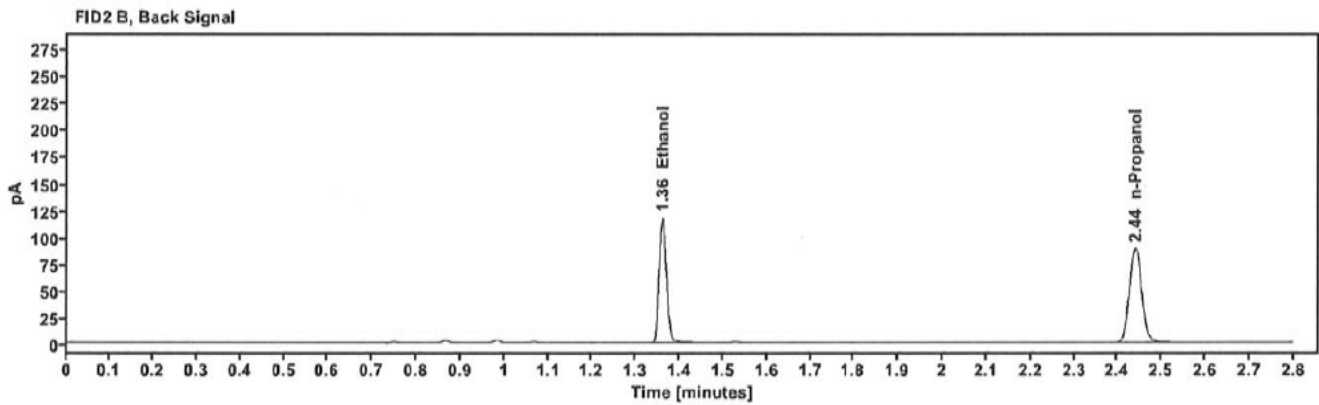
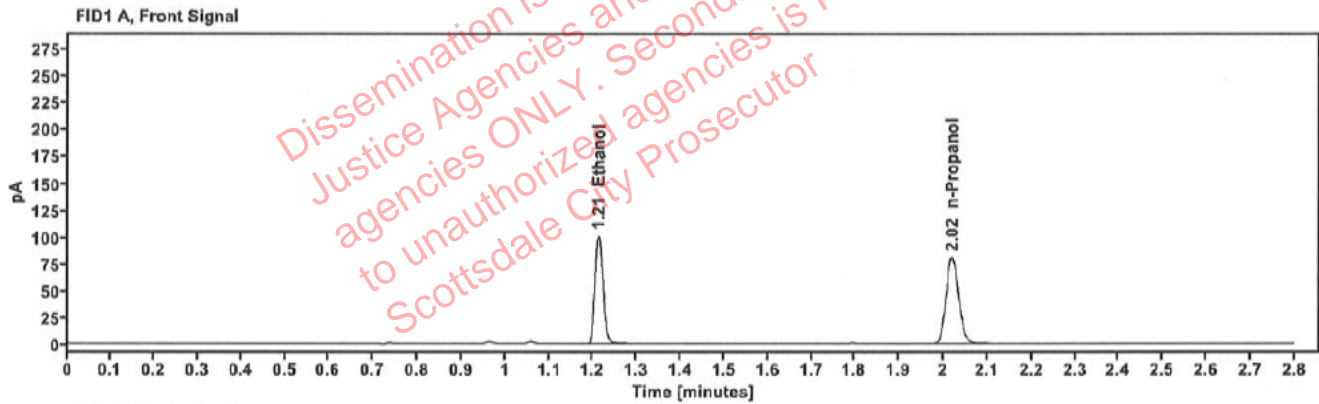


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1973	1.213	128.863
n-Propanol	-----	2.019	160.597

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

Compound	Time (min)	Peak Area
Ethanol	1.361	141.755
n-Propanol	2.440	175.720

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320826-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:04:01 PM
Data file:	C:\Chem32\1\Data\17Oct23\33.D	Analyst:	Canonico

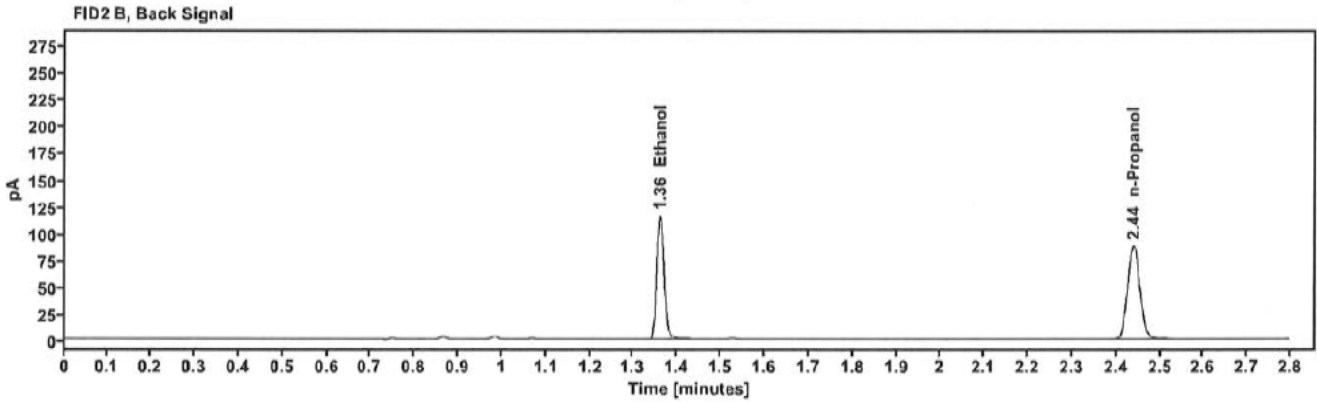
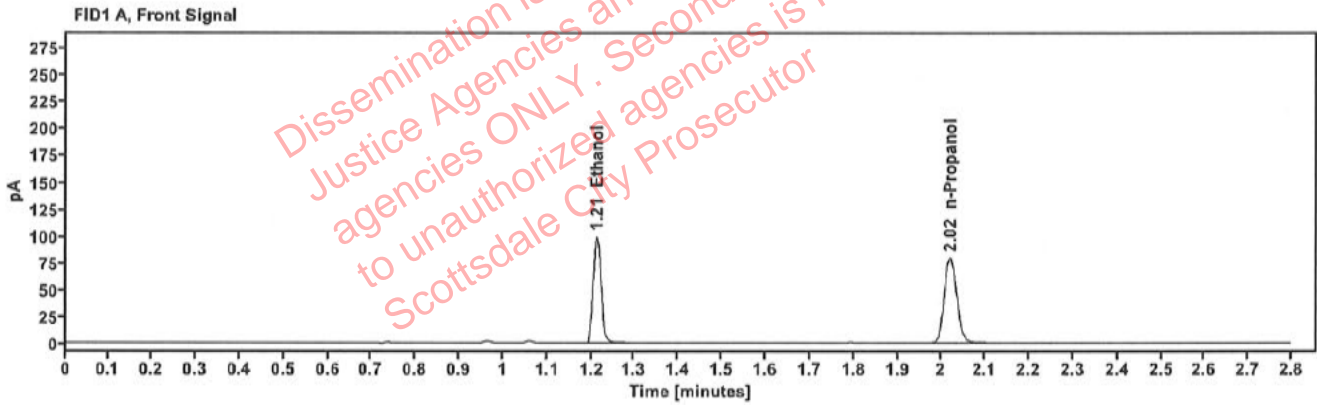


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1968	1.213	126.685
n-Propanol	-----	2.019	158.282

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

Compound	Time (min)	Peak Area
Ethanol	1.360	139.525
n-Propanol	2.440	173.250

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320681-4	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:08:02 PM
Data file:	C:\Chem32\1\Data\17Oct23\34.D	Analyst:	Canonico

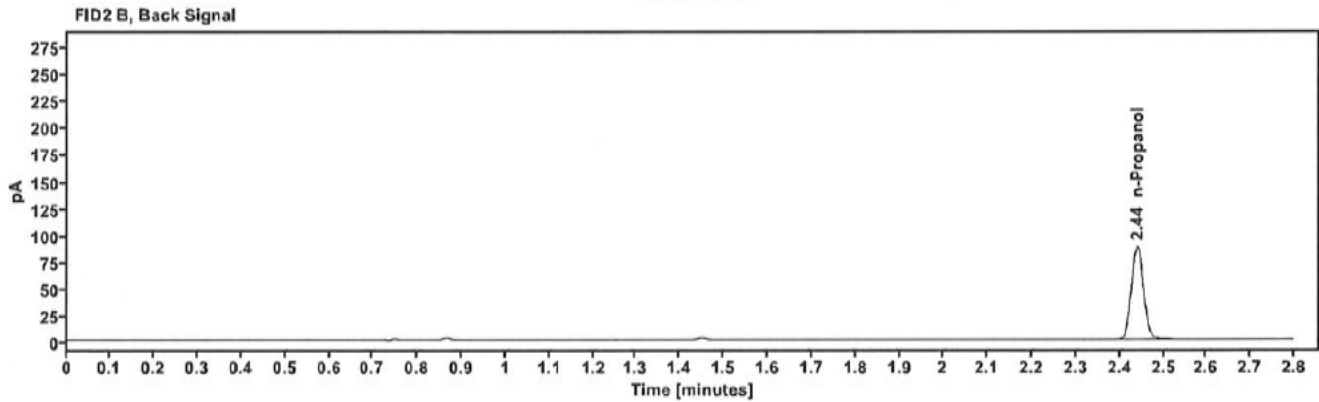
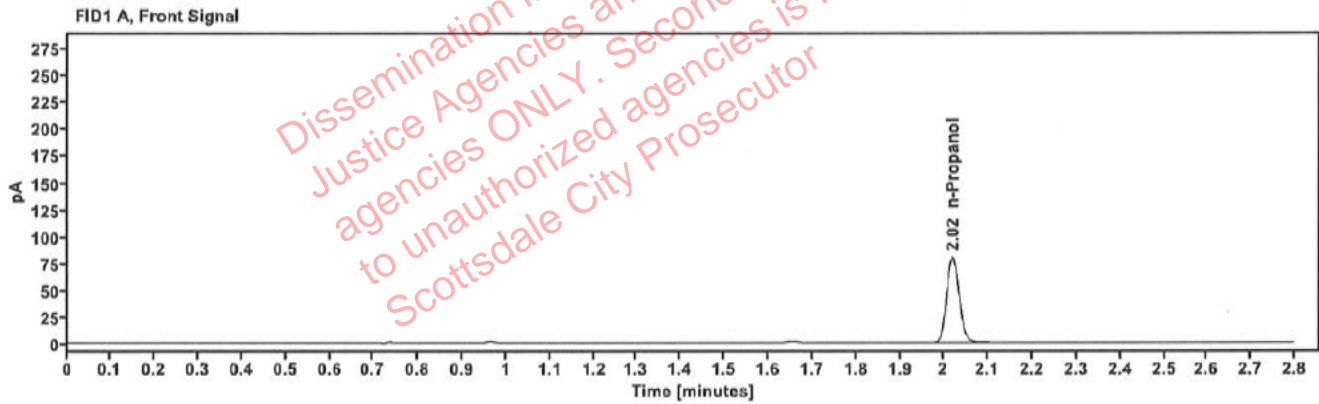


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.020	159.110

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

Compound	Time (min)	Peak Area
n-Propanol	2.440	174.440

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320681-4	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:12:01 PM
Data file:	C:\Chem32\1\Data\17Oct23\35.D	Analyst:	Canonico

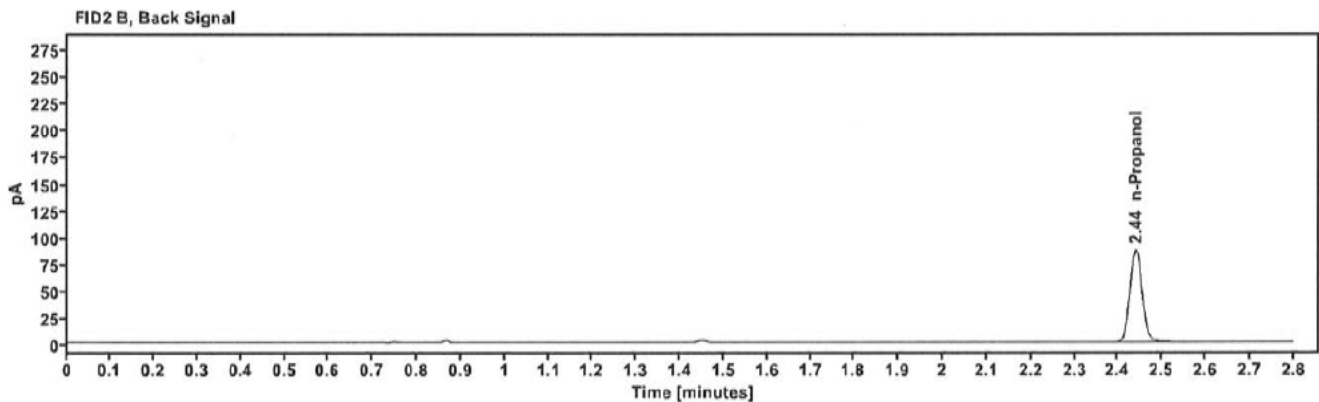
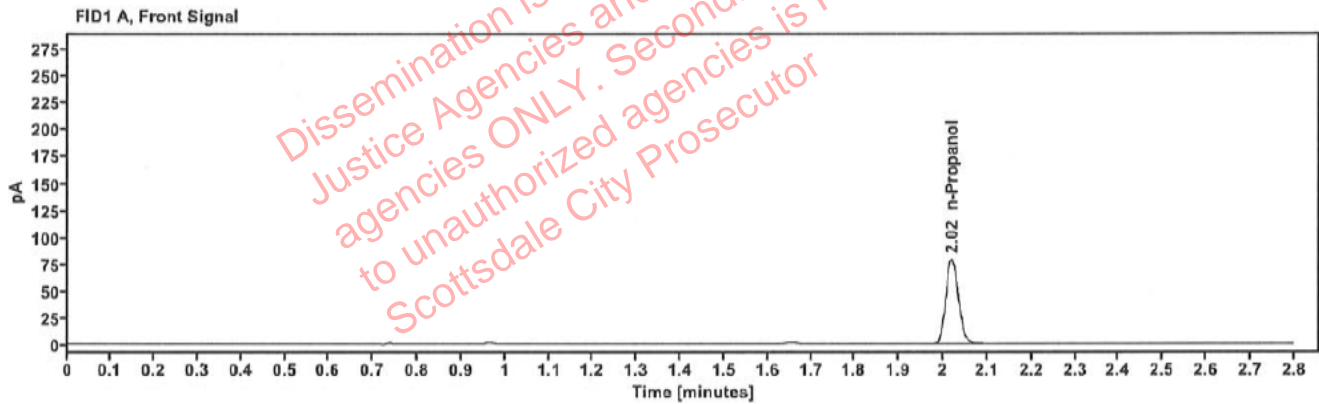


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.020	156.566

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

Compound	Time (min)	Peak Area
n-Propanol	2.440	171.683

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320862-1	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:16:01 PM
Data file:	C:\Chem32\1\Data\17Oct23\36.D	Analyst:	Canonico

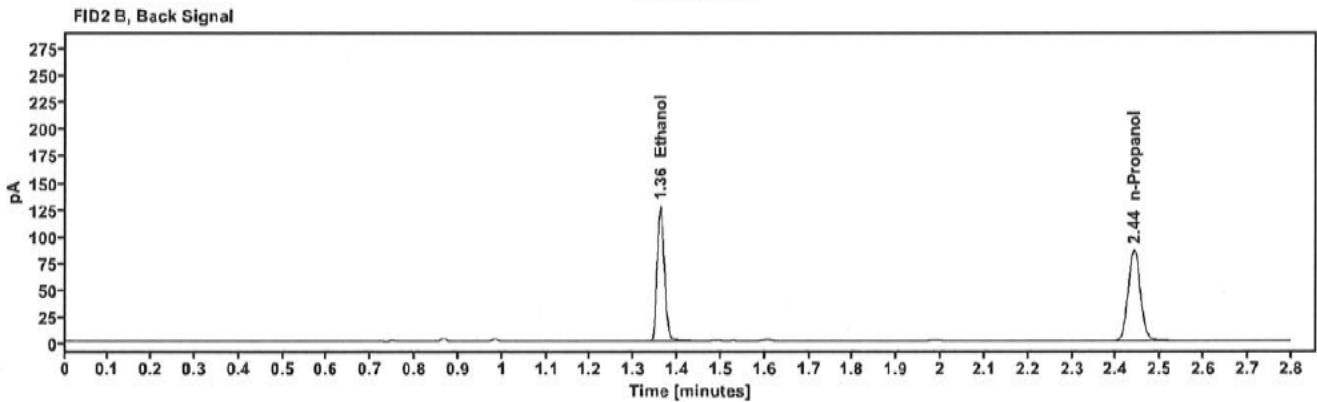
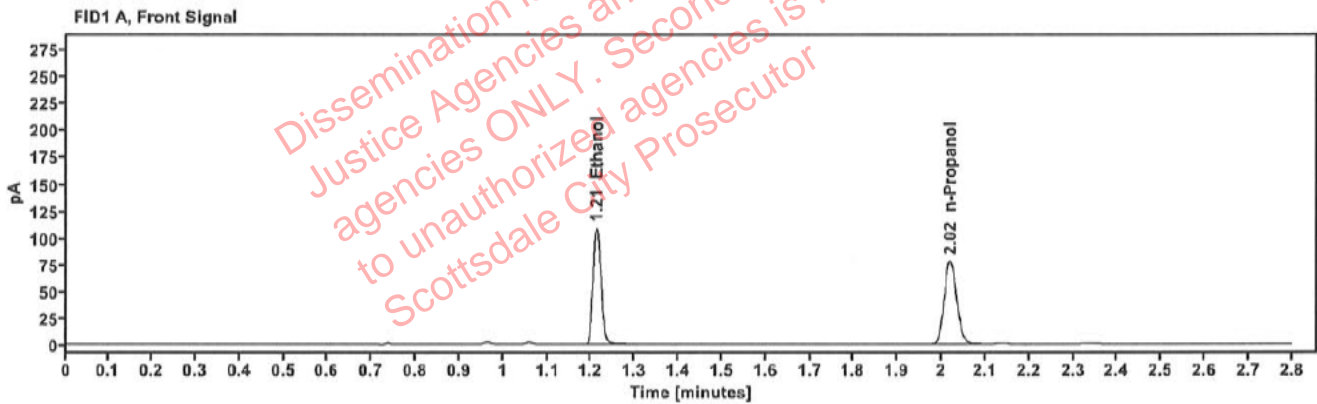


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2197	1.213	138.908
n-Propanol	-----	2.020	155.464

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

Compound	Time (min)	Peak Area
Ethanol	1.361	153.217
n-Propanol	2.440	169.893

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2320862-1	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:20:16 PM
Data file:	C:\Chem32\1\Data\17Oct23\37.D	Analyst:	Canonico

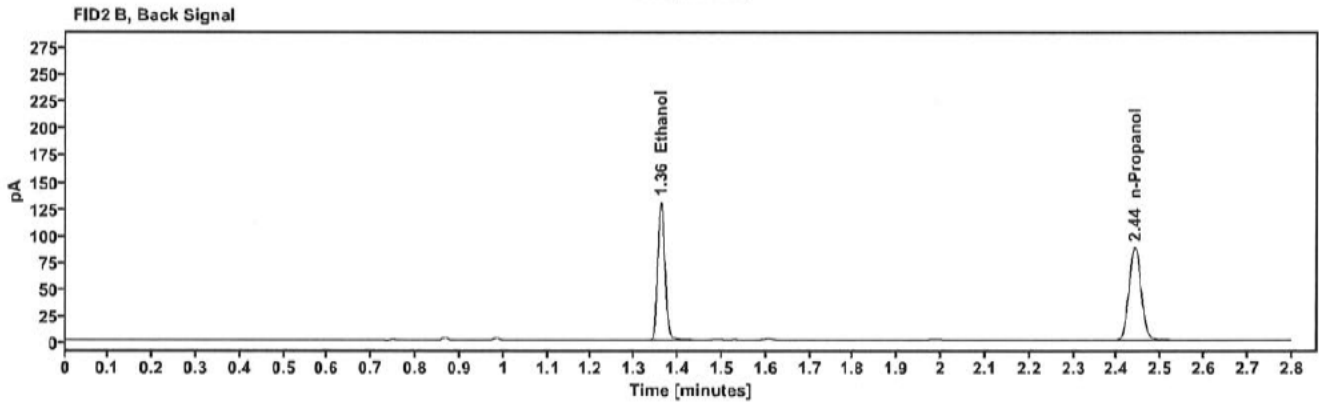
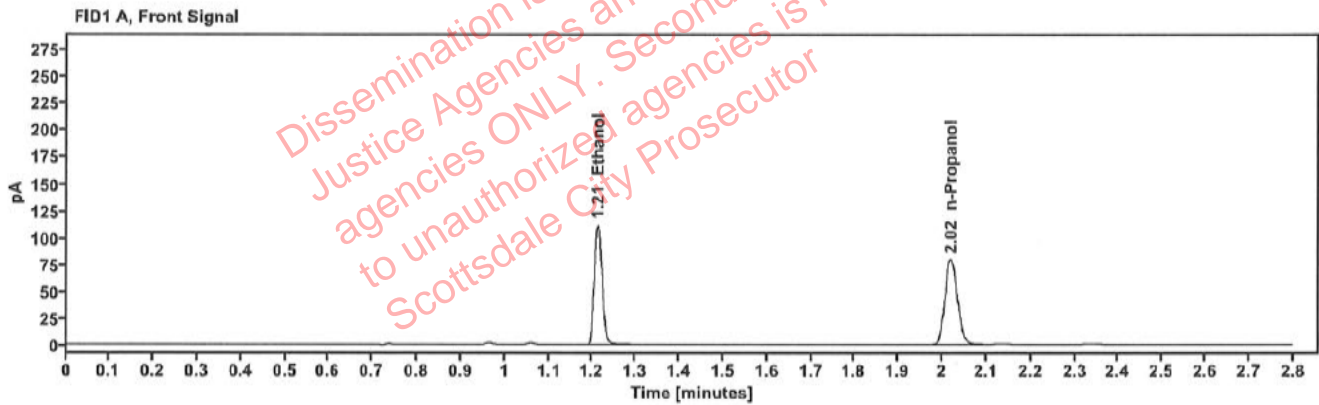


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2207	1.213	142.718
n-Propanol	-----	2.020	158.974

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

Compound	Time (min)	Peak Area
Ethanol	1.360	157.236
n-Propanol	2.440	173.683

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2316512-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	External Quant	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:24:16 PM
Data file:	C:\Chem32\1\Data\17Oct23\38.D	Analyst:	Canonico

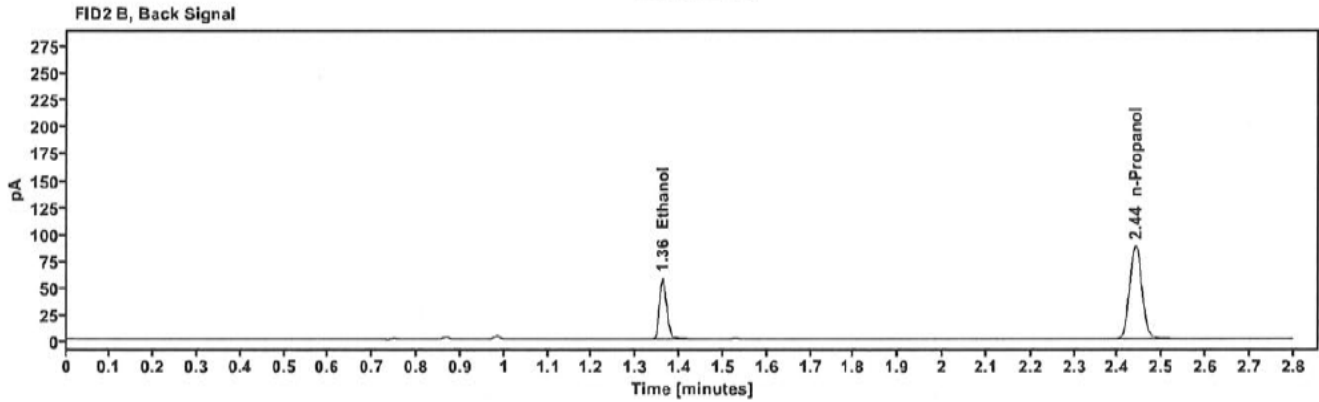
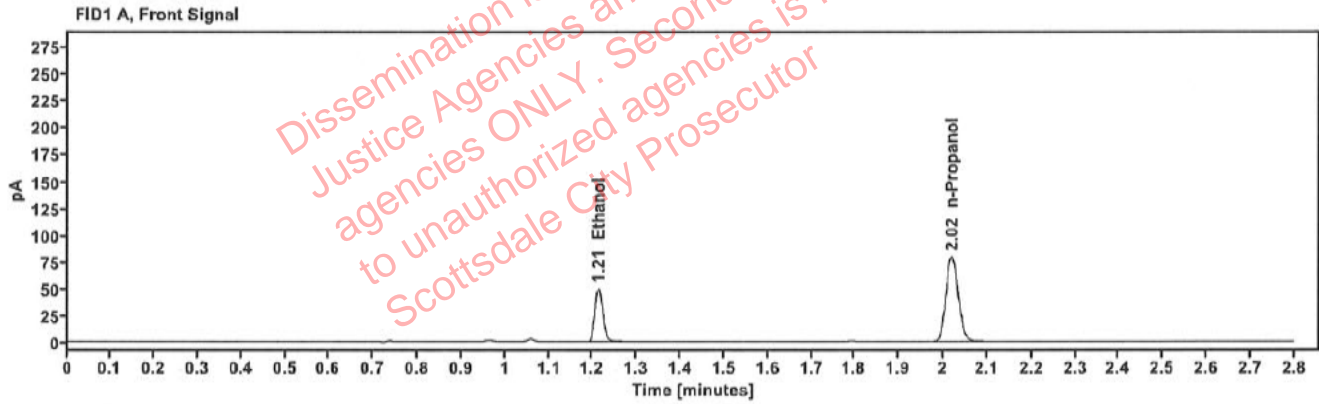


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0988	1.213	63.479
n-Propanol	-----	2.020	157.879

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

Compound	Time (min)	Peak Area
Ethanol	1.361	69.714
n-Propanol	2.440	173.094

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2316512-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:28:16 PM
Data file:	C:\Chem32\1\Data\17Oct23\39.D	Analyst:	Canonico

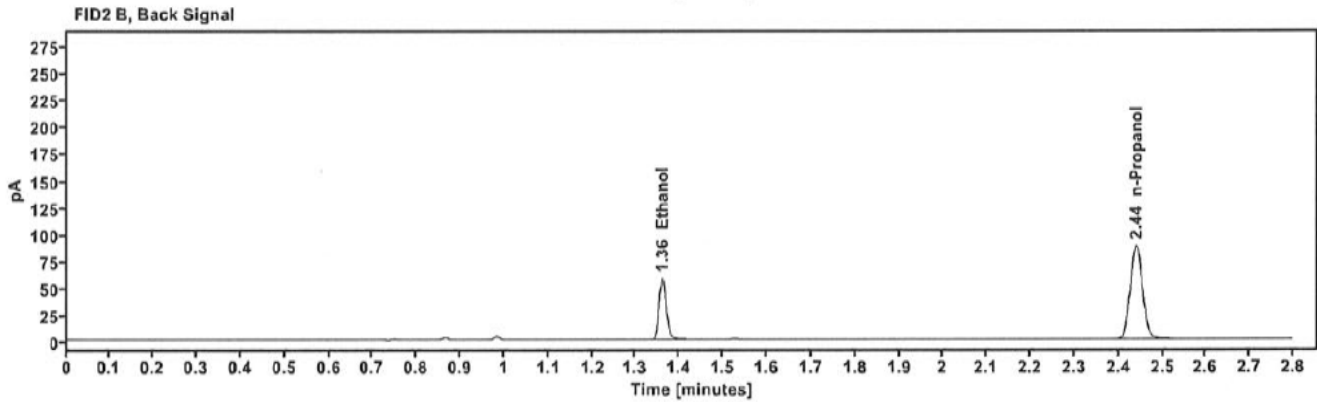
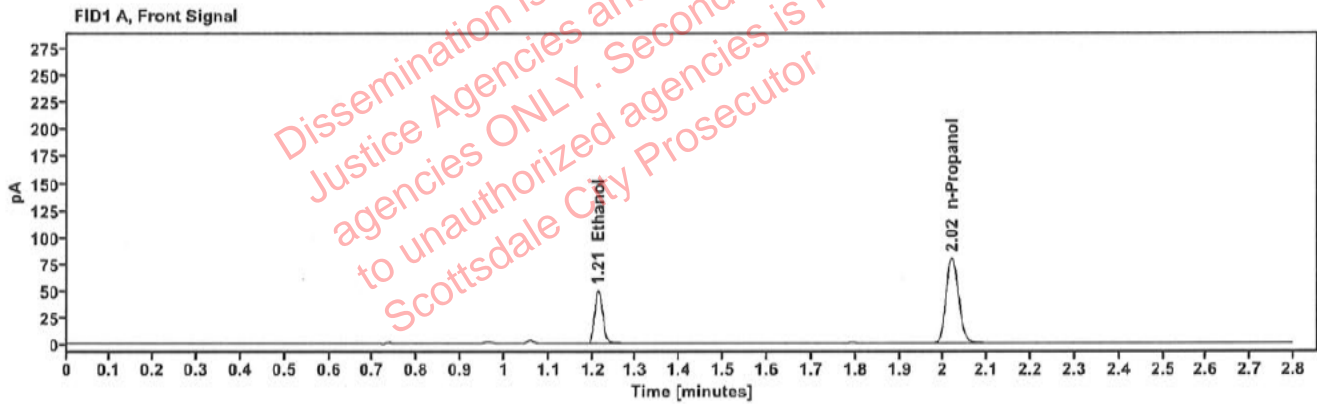


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0988	1.213	63.702
n-Propanol	-----	2.020	158.348

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

Compound	Time (min)	Peak Area
Ethanol	1.361	69.853
n-Propanol	2.440	173.546

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319289-3	Vial:	40
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:32:16 PM
Data file:	C:\Chem32\1\Data\17Oct23\40.D	Analyst:	Canonico

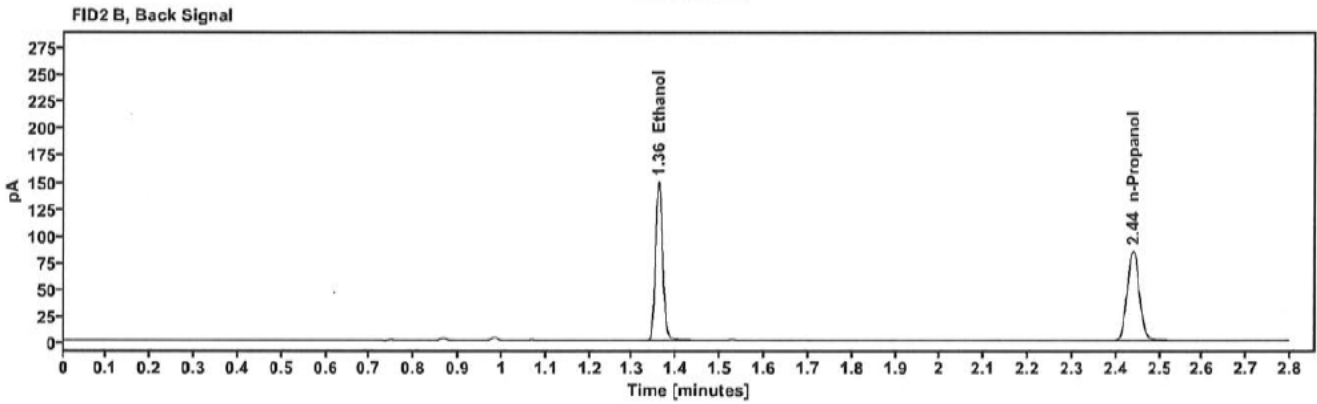
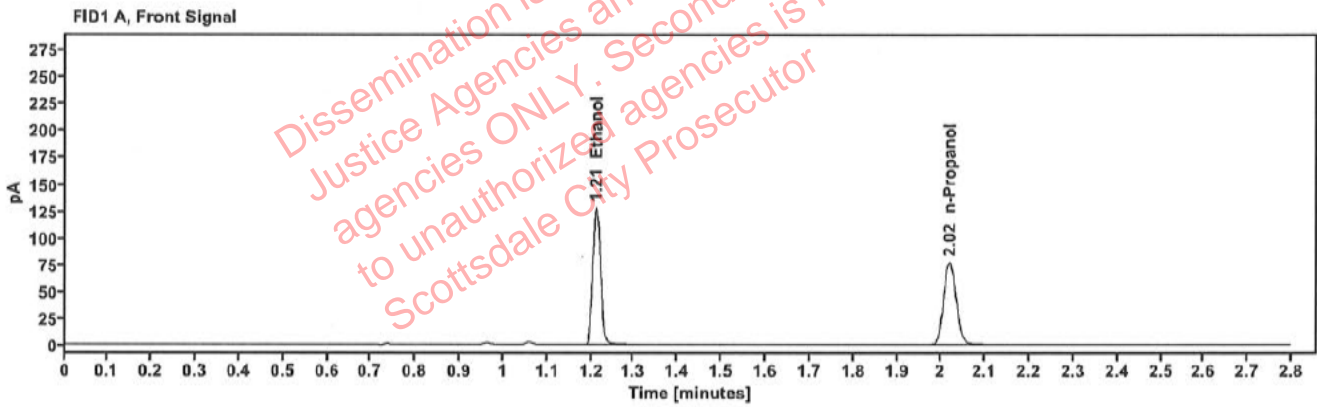


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2616	1.212	162.874
n-Propanol	-----	2.019	153.117

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

Compound	Time (min)	Peak Area
Ethanol	1.360	179.523
n-Propanol	2.439	167.576

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2319289-3	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Oct23
Instrument:	US14173023 CN14160045	Injection date:	10/17/2023 2:36:16 PM
Data file:	C:\Chem32\1\Data\17Oct23\41.D	Analyst:	Canonico

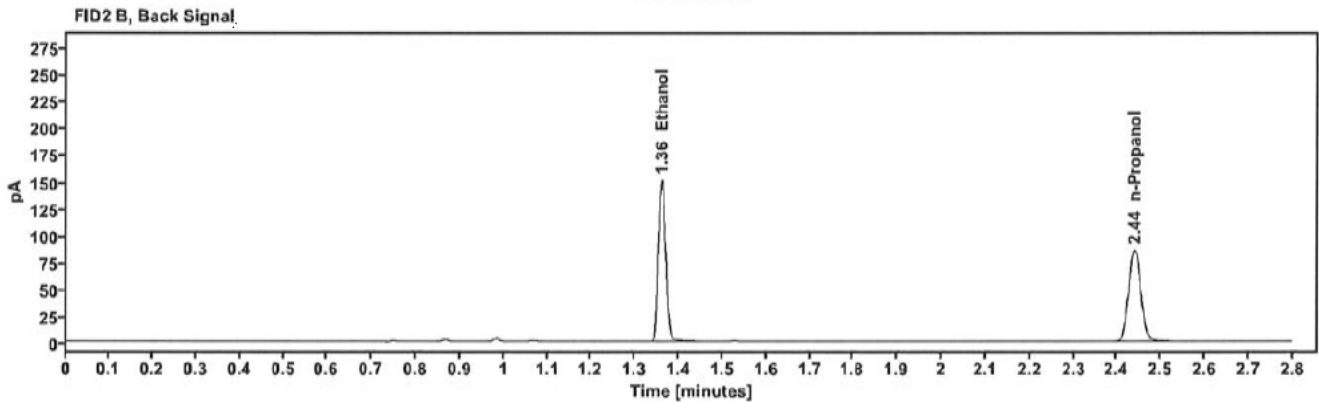
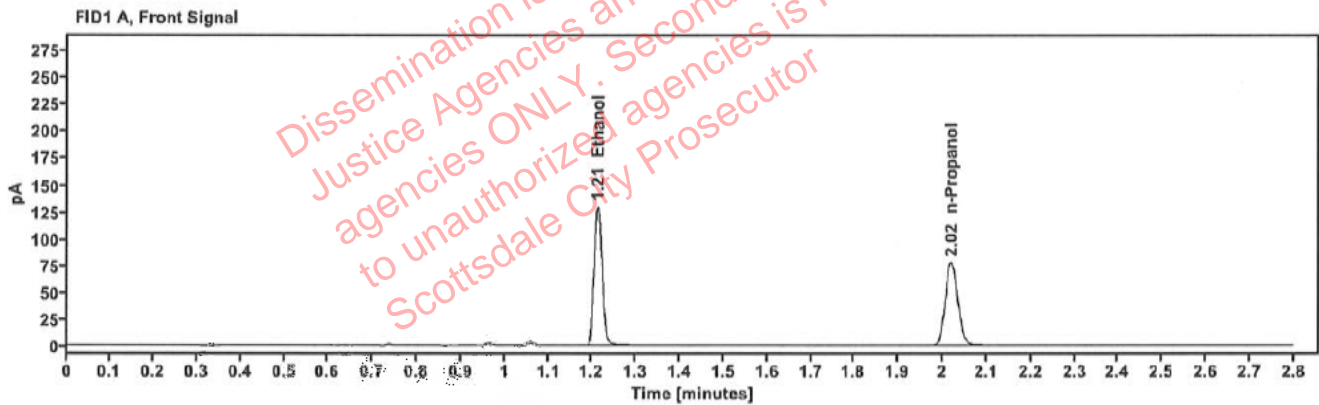


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2632	1.212	165.278
n-Propanol	-----	2.019	154.438

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

Compound	Time (min)	Peak Area
Ethanol	1.360	181.974
n-Propanol	2.440	169.043