

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 03/18/2024 SEQUENCE NAME 18Mar24

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 FN03072301 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	0.405 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.080 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	0.400 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

Erika Canonico
 Analyst

Run valid
 Run invalid

Phil Brooks
 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

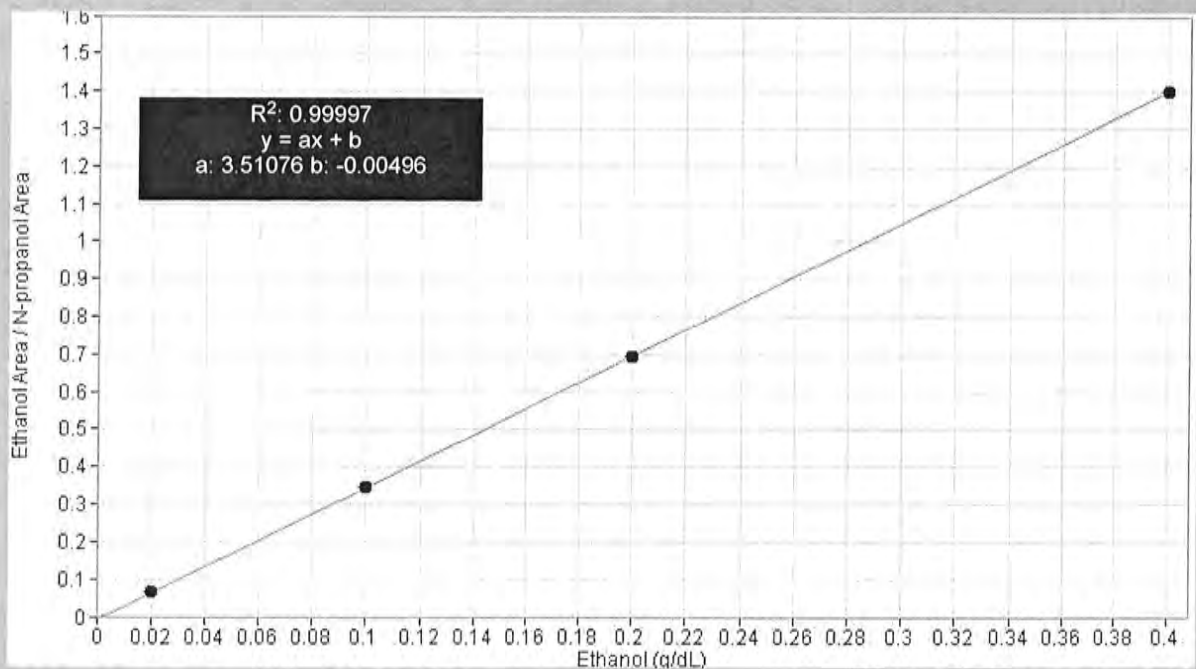
SEQUENCE NAME: 18Mar24

ANALYST: Canonico *ee*

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	0.405	0.400	1.25	0.005
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 4110320133/11	9	0.203	0.199	2.01	0.004
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.40 30012020-A	42	0.400	0.400	0.00	0.000
0.04 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 010524AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.482	170.762	0.067
0.100	59.866	172.661	0.347
0.200	119.092	171.977	0.693
0.400	240.883	171.883	1.401

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03122113	Vial:	1
Description:	0.020 calibrator	Sequence:	18Mar24
Method:	ethanol quant.M	Injection date:	3/18/2024 1:45:38 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico EE
Data file:	C:\Chem32\1\Data\18Mar24\1.D		

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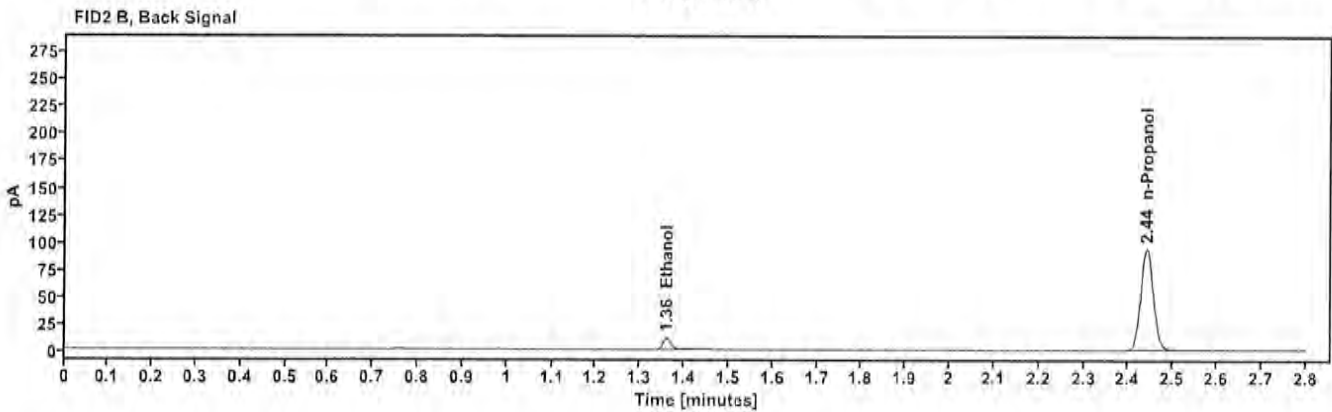
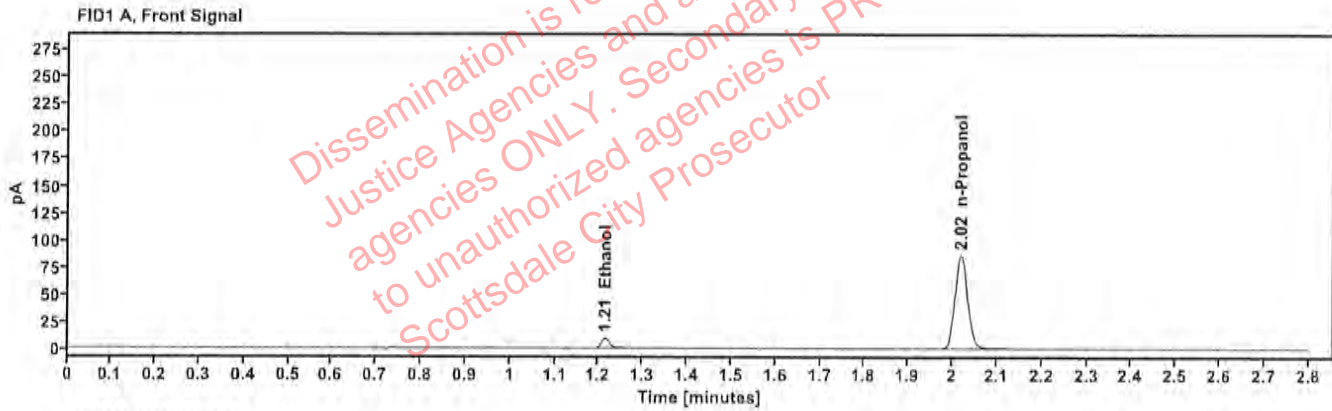


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.214	11.482
n-Propanol	2.019	170.762

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

Compound	Time (min)	Peak Area
Ethanol	1.360	12.656
n-Propanol	2.441	185.892

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03072301	Vial:	2
Description:	0.100 calibrator	Sequence:	18Mar24
Method:	ethanol quant.M	Injection date:	3/18/2024 1:49:37 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico ec
Data file:	C:\Chem32\1\Data\18Mar24\2.D		

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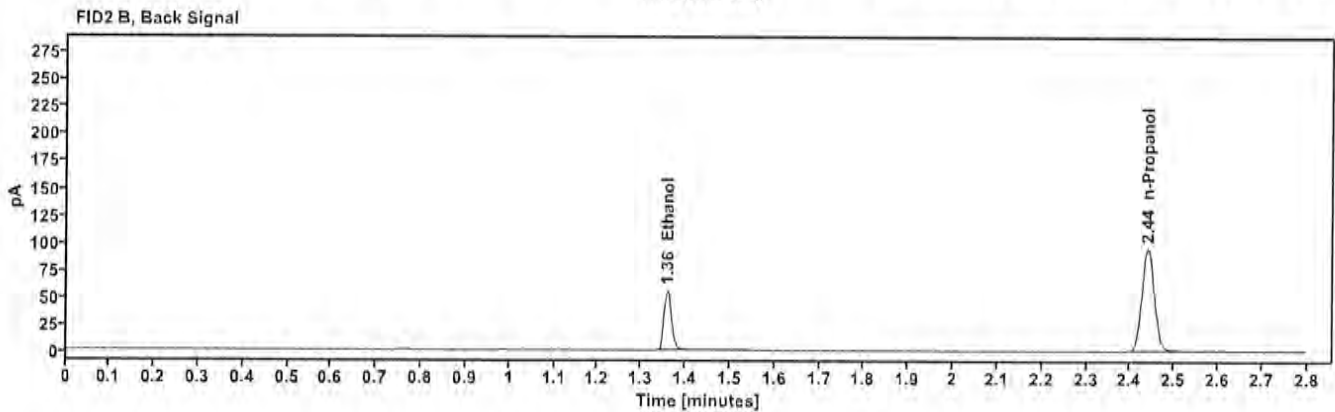
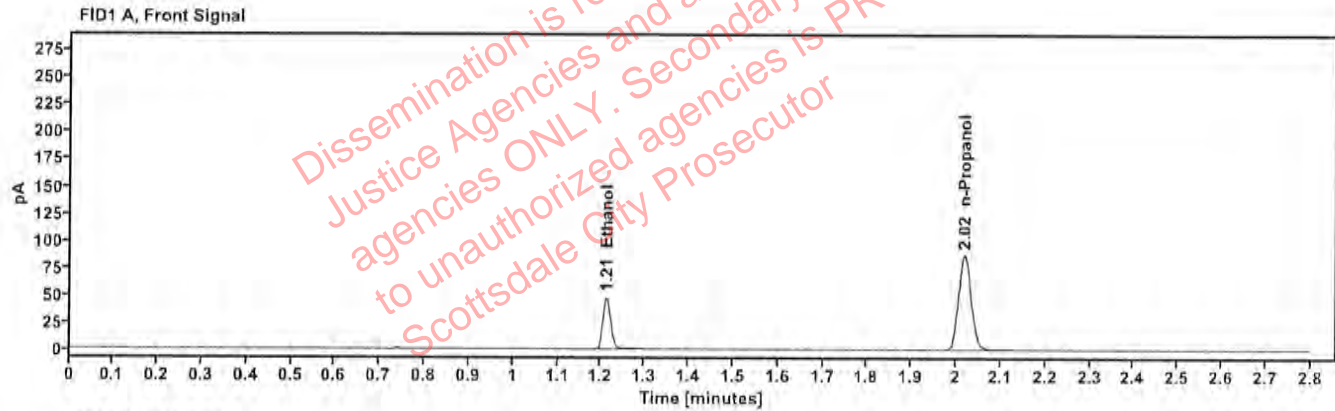


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	59.866
n-Propanol	2.018	172.661

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

Compound	Time (min)	Peak Area
Ethanol	1.359	65.682
n-Propanol	2.440	187.639

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03132302	Vial:	3
Description:	0.200 calibrator	Sequence:	18Mar24
Method:	ethanol quant.M	Injection date:	3/18/2024 1:53:38 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico ee
Data file:	C:\Chem32\1\Data\18Mar24\3.D		

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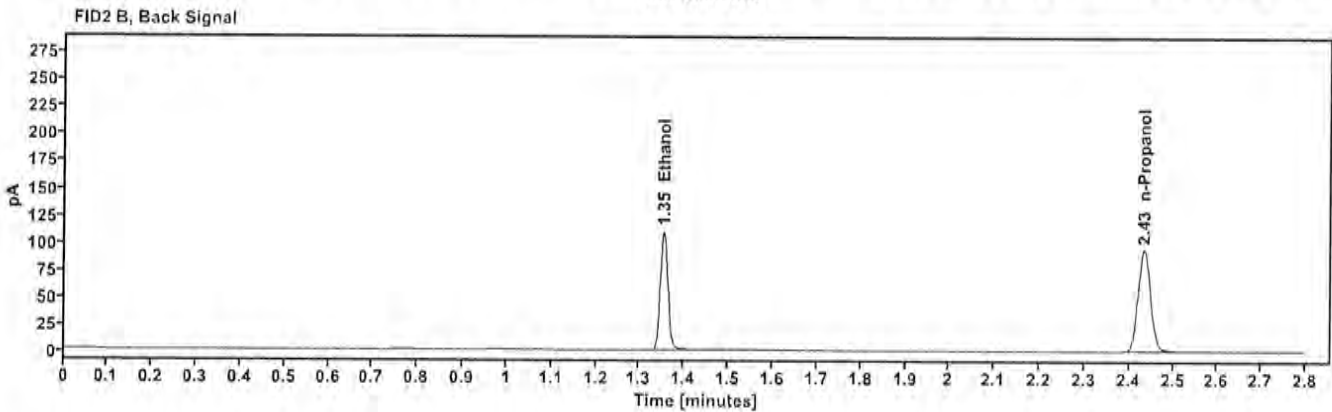
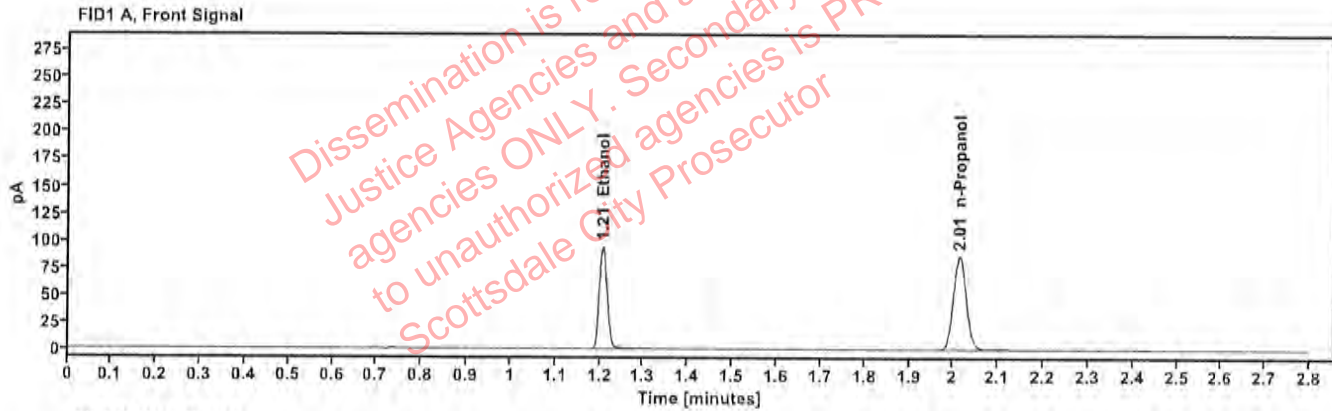


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	119.092
n-Propanol	2.014	171.977

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

Compound	Time (min)	Peak Area
Ethanol	1.354	130.731
n-Propanol	2.434	186.734

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	18Mar24
Method:	ethanol quant.M	Injection date:	3/18/2024 1:57:38 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico ec
Data file:	C:\Chem32\1\Data\18Mar24\4.D		

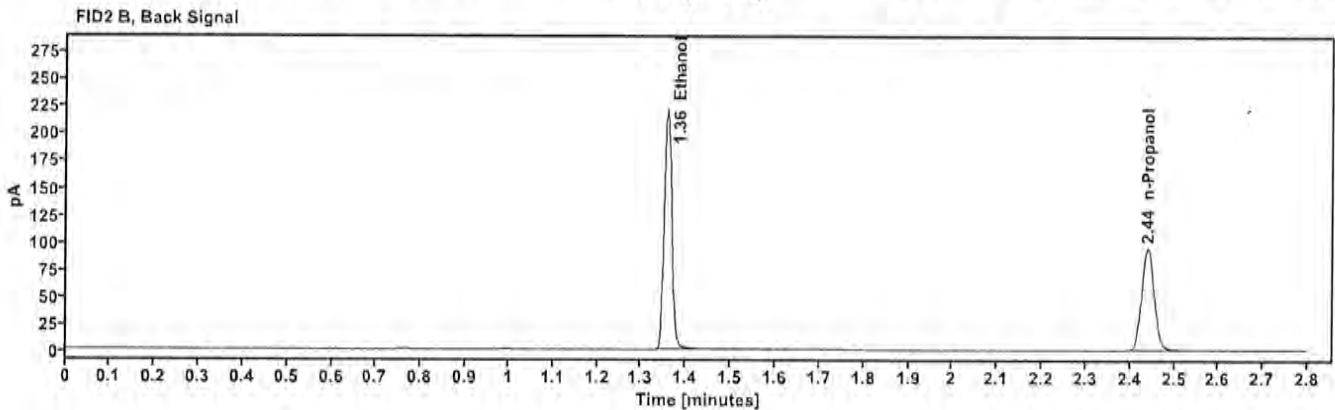
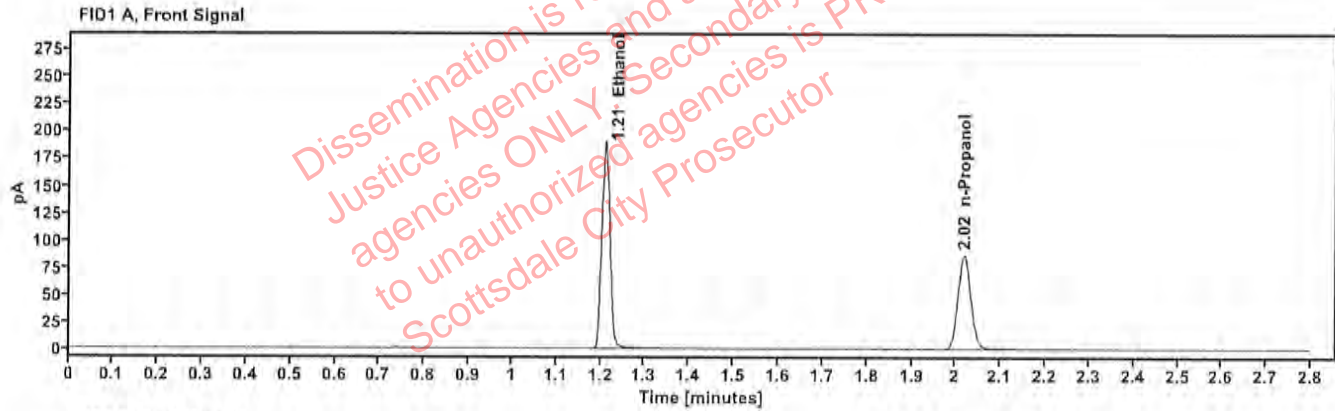


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	240.883
n-Propanol	2.019	171.883

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

Compound	Time (min)	Peak Area
Ethanol	1.358	265.480
n-Propanol	2.440	186.576

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	011823WB	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:01:37 PM
Data file:	C:\Chem32\1\Data\18Mar24\5.D	Analyst:	Canonico <i>EC</i>

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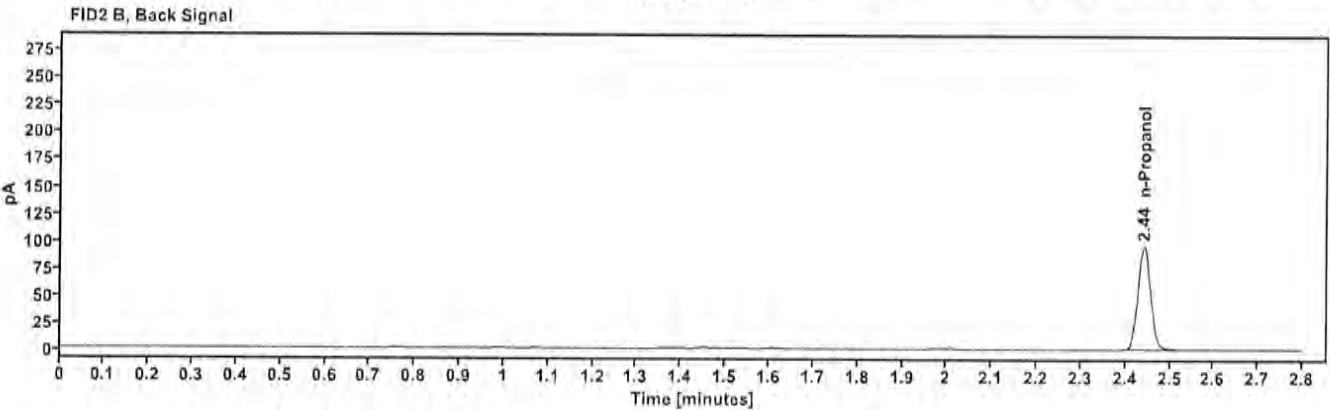
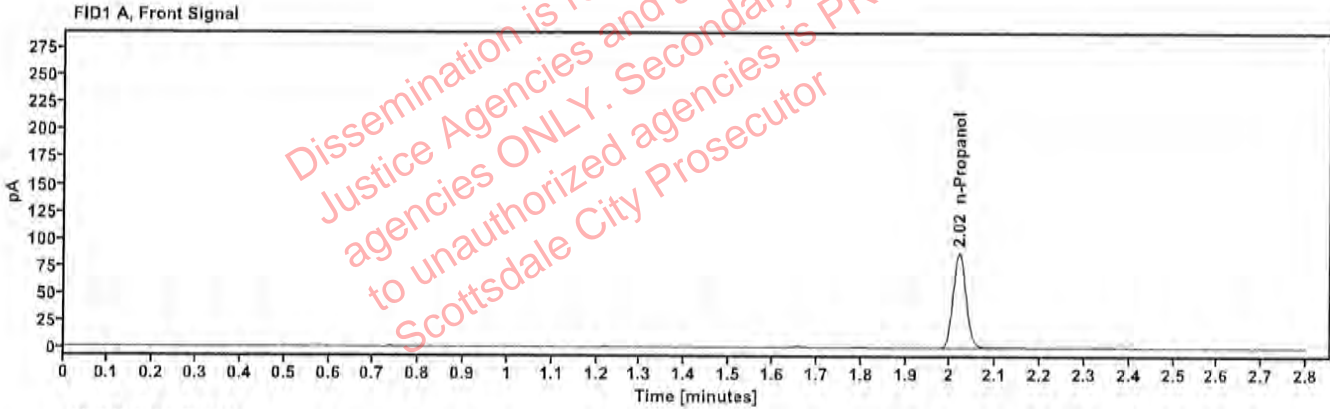


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.020	174.190

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

Compound	Time (min)	Peak Area
n-Propanol	2.441	189.845

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:05:38 PM
Data file:	C:\Chem32\1\Data\18Mar24\6.D	Analyst:	Canonico <i>ec</i>

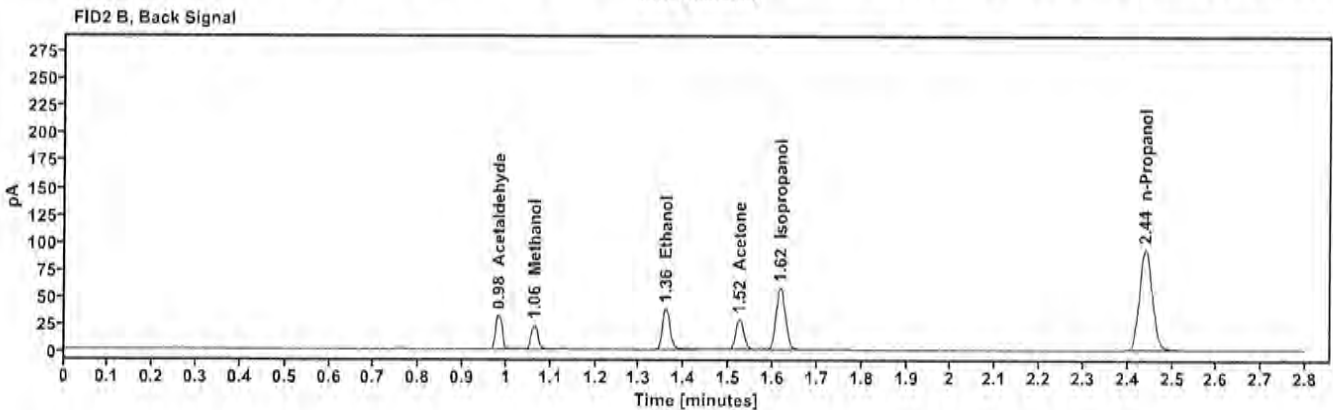
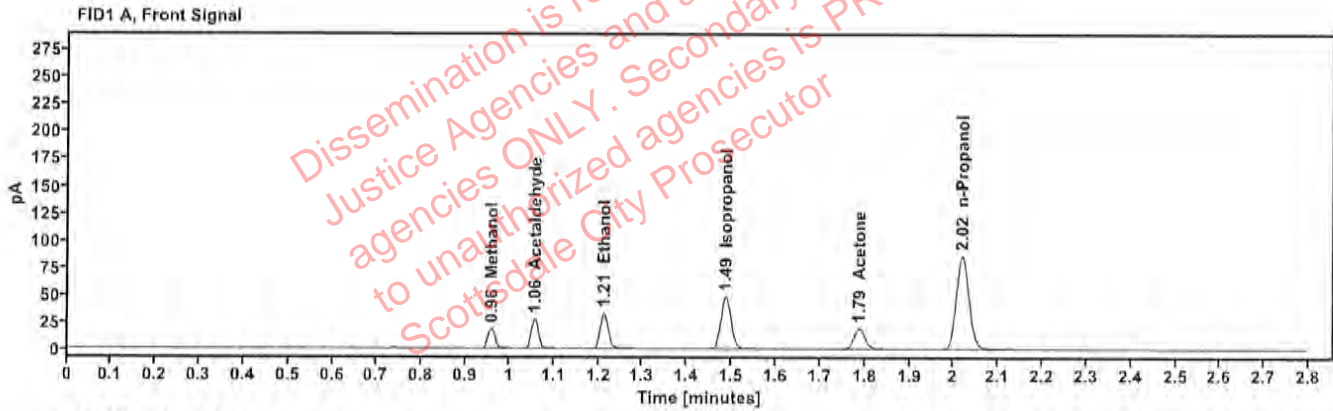


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.958	20.737
Acetaldehyde	-----	1.057	29.790
>Ethanol	0.0706	1.212	41.500
Isopropanol	-----	1.486	76.520
Acetone	-----	1.787	32.712
n-Propanol	-----	2.019	170.784

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	33.357
Methanol	1.063	23.031
Ethanol	1.359	45.463
Acetone	1.524	35.989
Isopropanol	1.618	84.490
n-Propanol	2.440	185.383

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	30012020-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:09:52 PM
Data file:	C:\Chem32\1\Data\18Mar24\7.D	Analyst:	Canonico <i>ec</i>

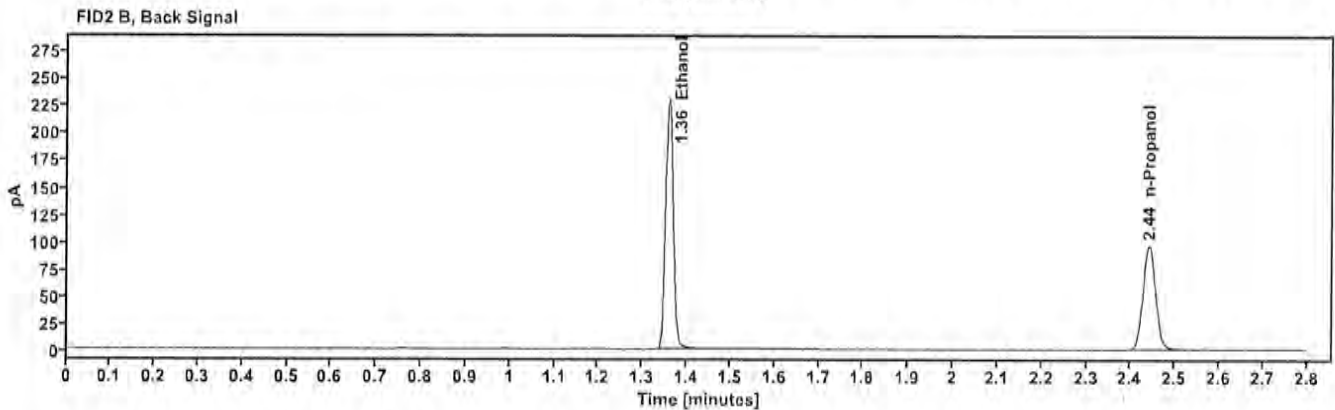
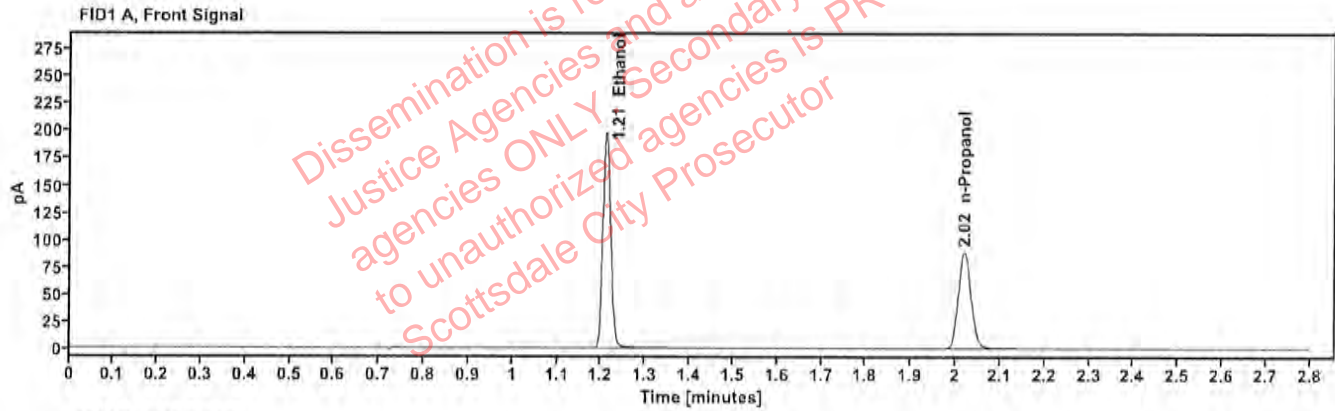


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4052	1.211	249.778
n-Propanol	—	2.019	176.192

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

Compound	Time (min)	Peak Area
Ethanol	1.358	275.465
n-Propanol	2.441	191.409

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 18Mar24
Instrument: US14173023 CN14180045	Injection date: 3/18/2024 2:13:53 PM
Data file: C:\Chem32\1\Data\18Mar24\8.D	Analyst: Canonico <i>cc</i>

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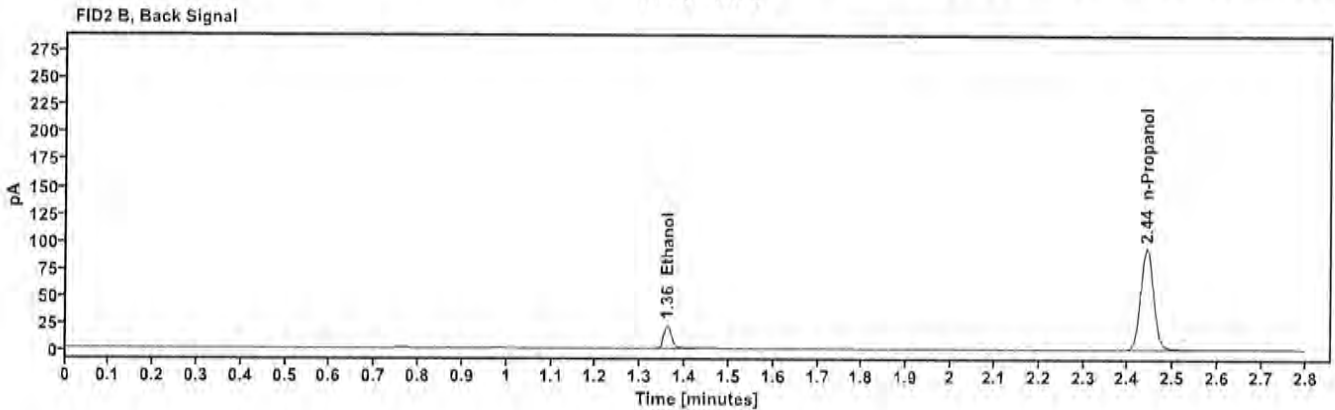
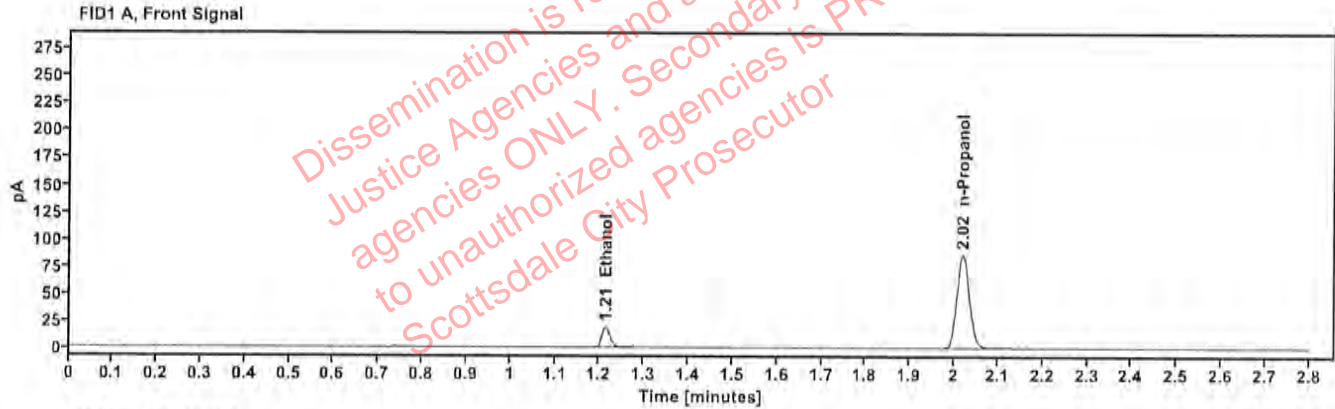


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.213	23.813
n-Propanol	-----	2.020	170.788

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

Compound	Time (min)	Peak Area
Ethanol	1.360	26.068
n-Propanol	2.441	185.580

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 18Mar24
Instrument: US14173023 CN14160045	Injection date: 3/18/2024 2:17:52 PM
Data file: C:\Chem32\1\Data\18Mar24\9.D	Analyst: Canonico <i>PC</i>

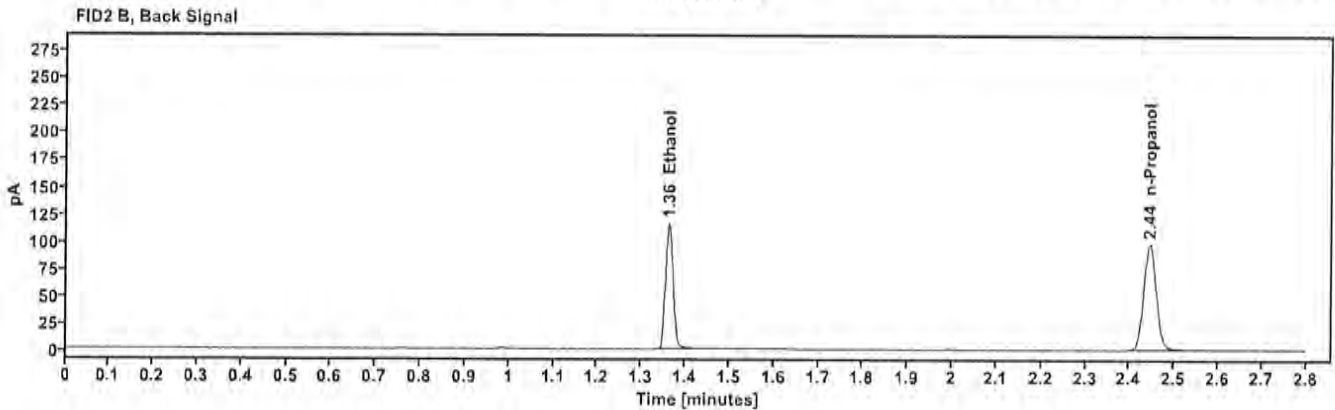
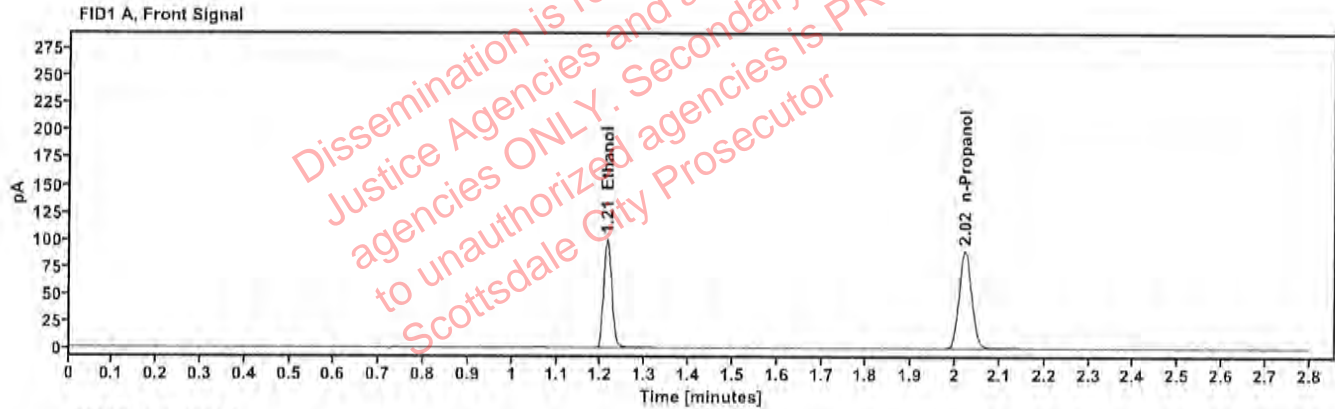


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2032	1.213	126.542
n-Propanol	—	2.021	178.590

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

Compound	Time (min)	Peak Area
Ethanol	1.362	138.752
n-Propanol	2.444	193.996

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:02:23 PM
Data file:	C:\Chem32\1\Data\18Mar24\20.D	Analyst:	Canonico <i>EC</i>

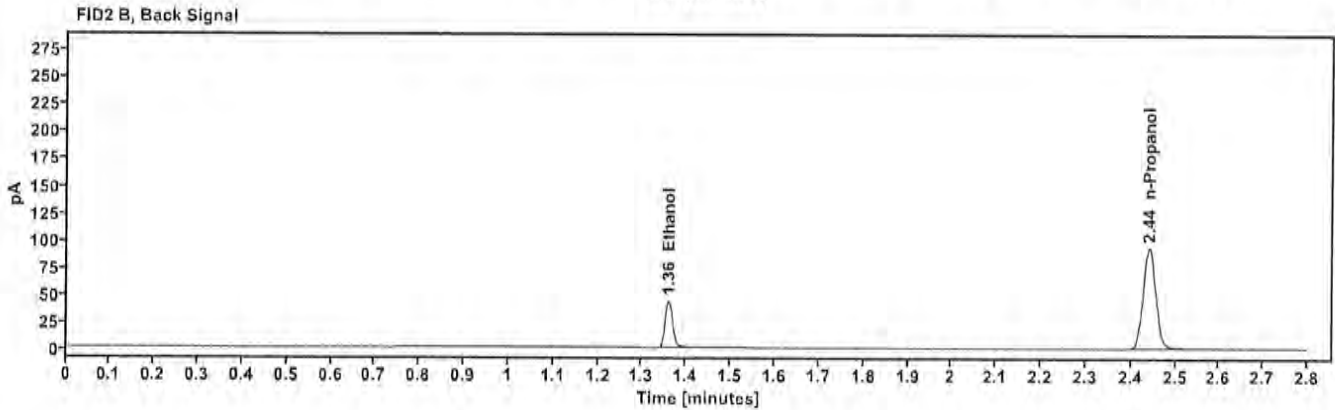
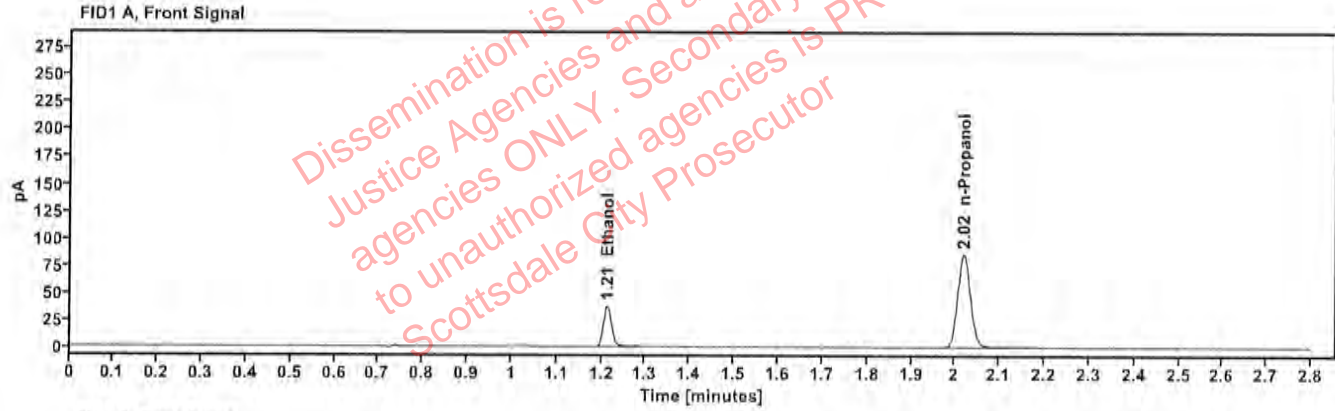


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.212	47.516
n-Propanol	-----	2.020	170.787

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

Compound	Time (min)	Peak Area
Ethanol	1.359	51.994
n-Propanol	2.441	185.242

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 18Mar24
Instrument: US14173023 CN14160045	Injection date: 3/18/2024 3:46:53 PM
Data file: C:\Chem32\1\Data\18Mar24\31.D	Analyst: Canonico <i>EC</i>

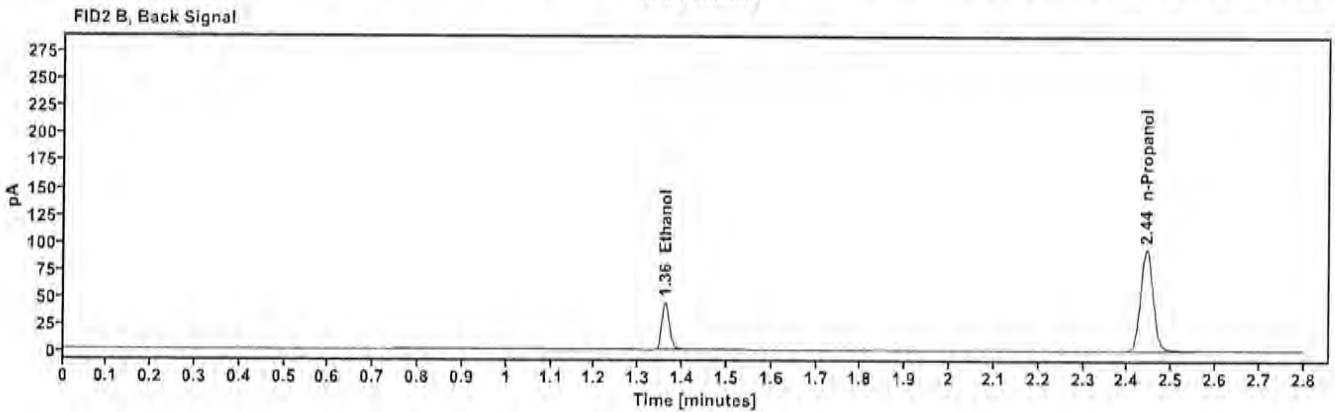
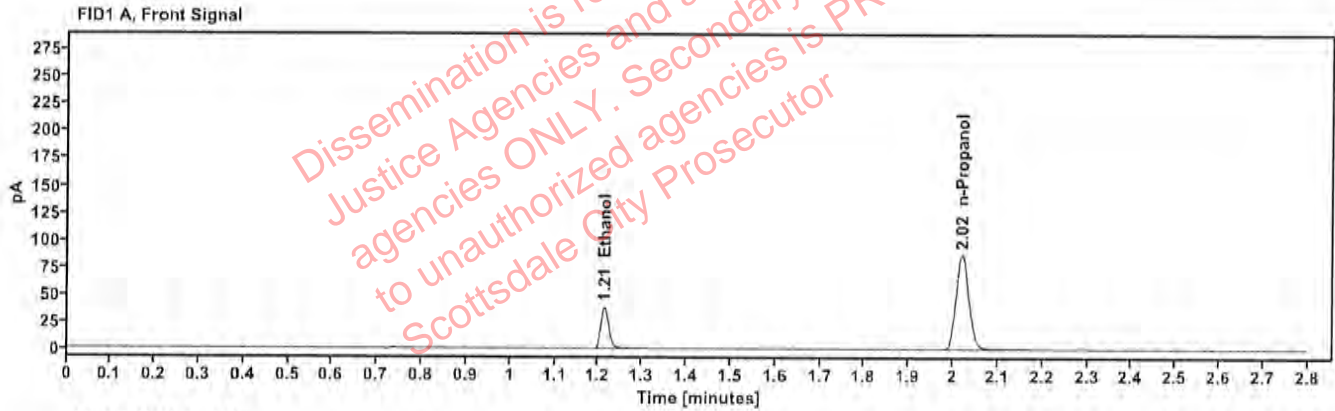


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0812	1.213	48.373
n-Propanol	---	2.020	172.619

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

Compound	Time (min)	Peak Area
Ethanol	1.360	52.764
n-Propanol	2.442	187.274

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	30012020-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:31:07 PM
Data file:	C:\Chem32\1\Data\18Mar24\42.D	Analyst:	Canonico <i>EC</i>

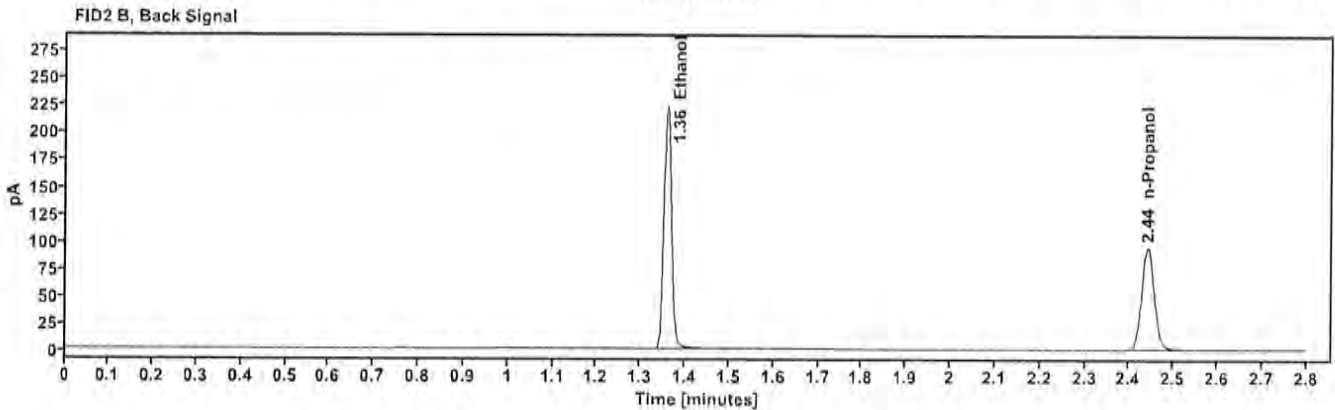
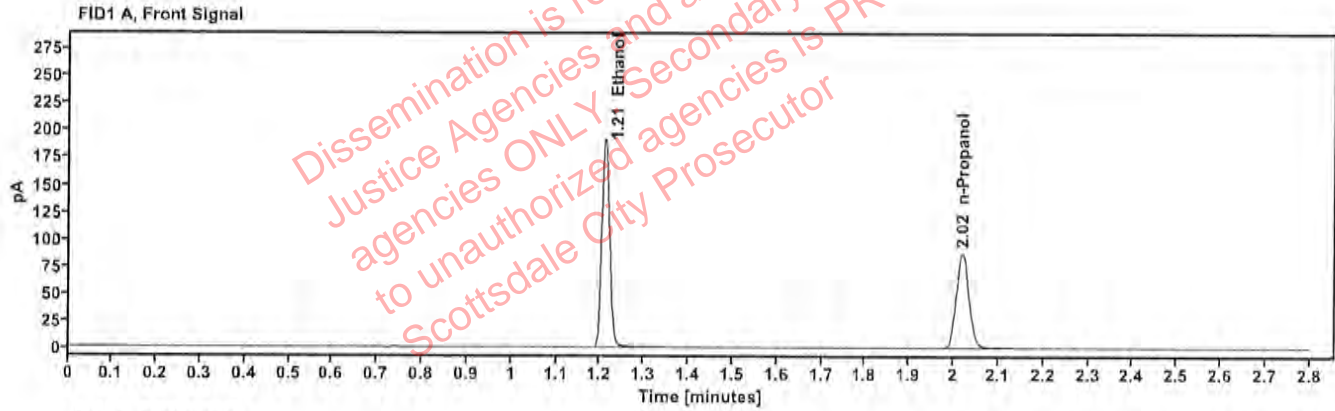


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4003	1.211	242.848
n-Propanol	—	2.019	173.427

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

Compound	Time (min)	Peak Area
Ethanol	1.359	267.608
n-Propanol	2.441	188.236

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:35:23 PM
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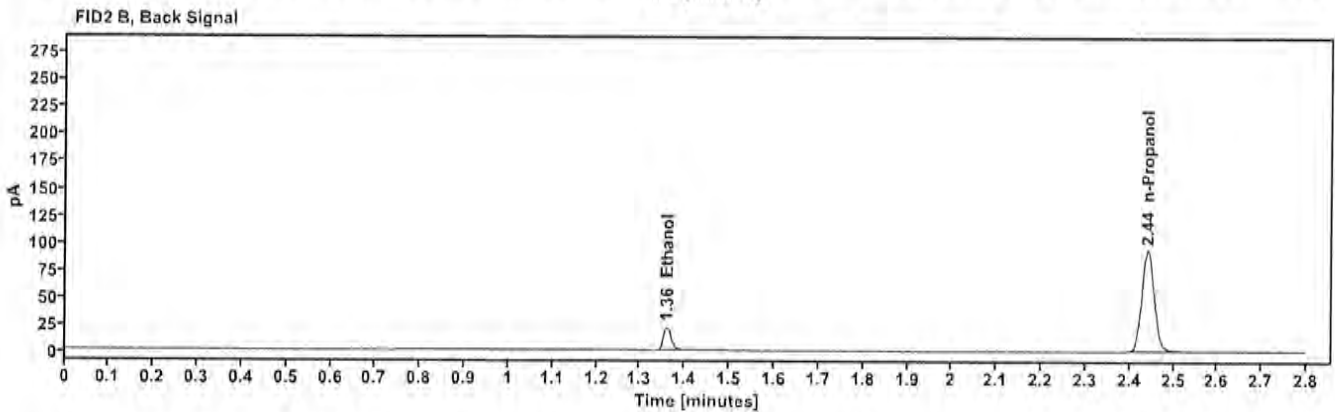
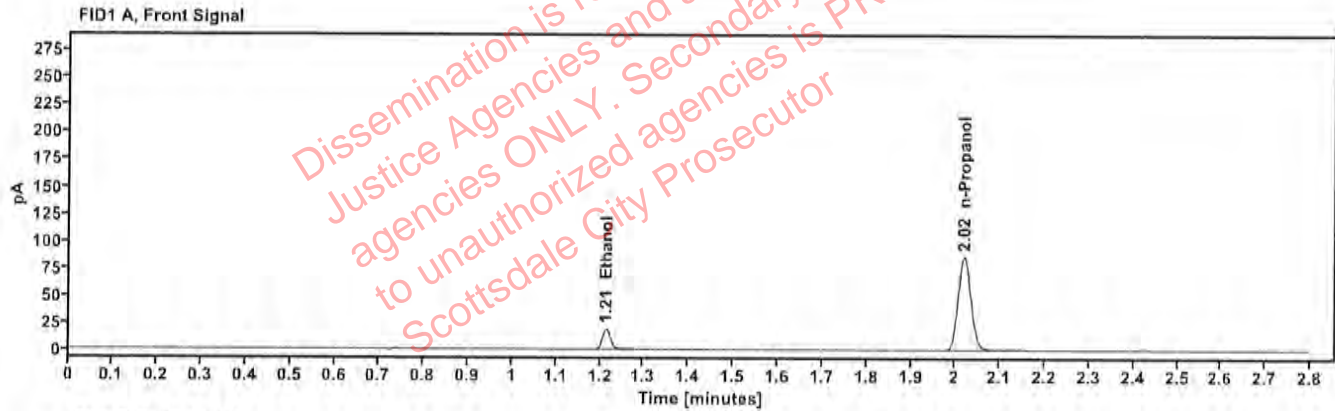


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.213	23.829
n-Propanol	-----	2.019	170.919

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

Compound	Time (min)	Peak Area
Ethanol	1.360	26.039
n-Propanol	2.441	185.728

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/11	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:39:23 PM
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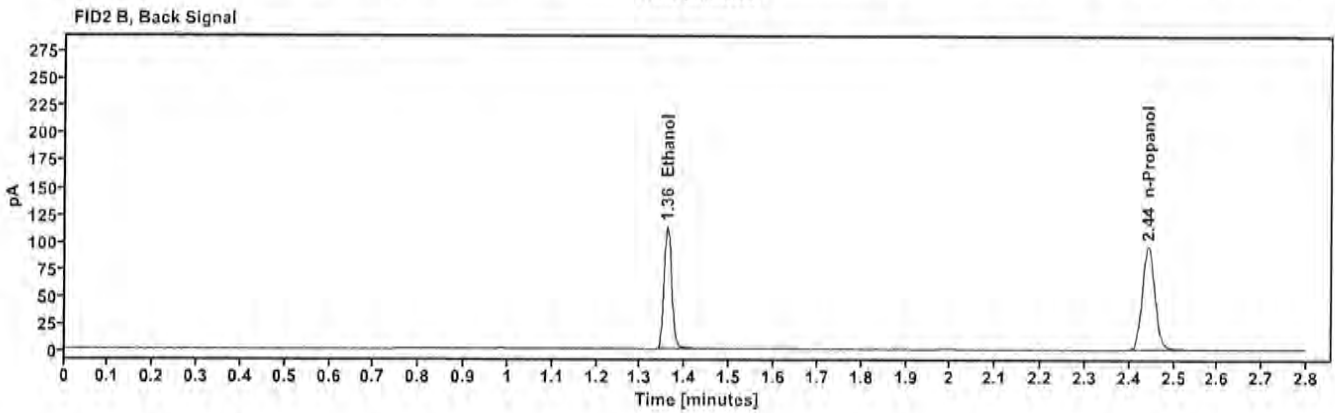
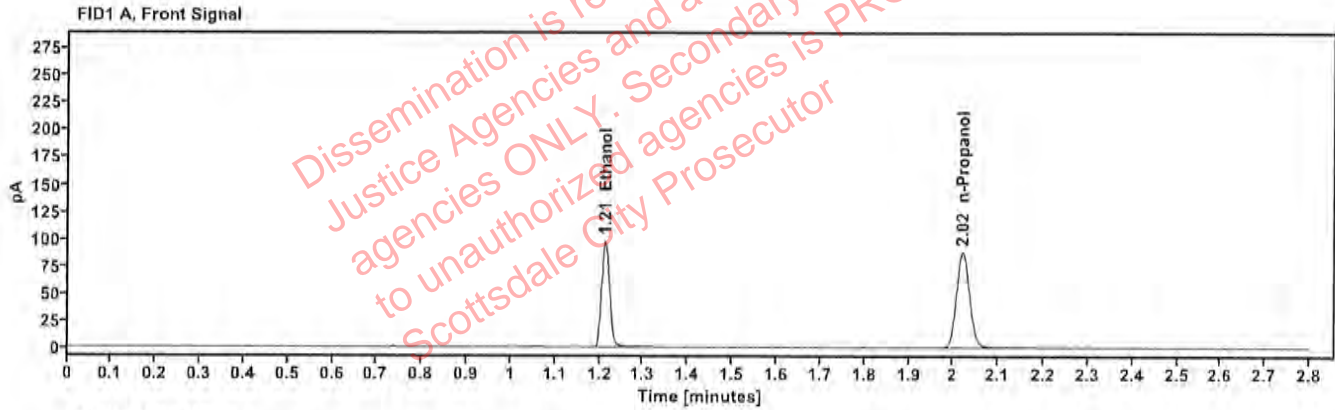


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.212	123.567
n-Propanol	-----	2.020	175.452

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

Compound	Time (min)	Peak Area
Ethanol	1.360	135.537
n-Propanol	2.442	190.577

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	010524AQ	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:43:23 PM
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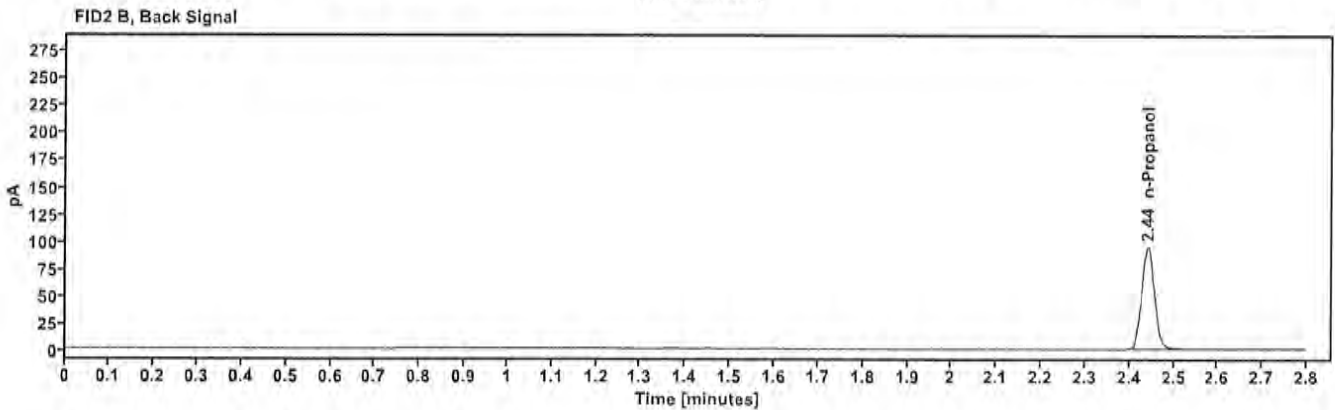
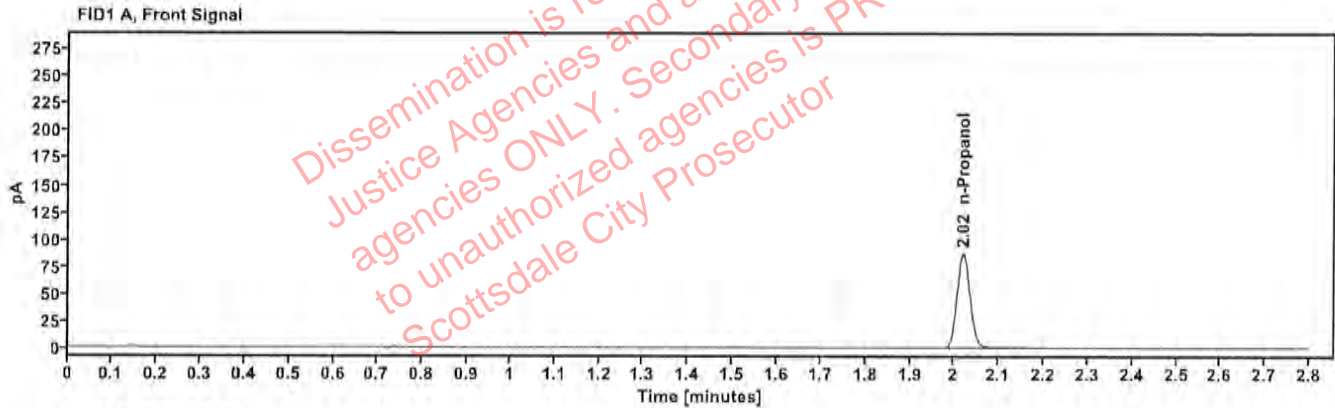


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	—	2.020	173.285

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

Compound	Time (min)	Peak Area
n-Propanol	2.442	188.064

Sequence Summary

Sequence name: 18Mar24 Instrument: US14173023 CN14160045 Analyst: Canonico *ec*

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN03072301	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	327-01S.S.		Sample		ethanol quant.M
11	327-01S.S.		Sample		ethanol quant.M
12	426-01J.O.		Sample		ethanol quant.M
13	426-01J.O.		Sample		ethanol quant.M
14	415-1T.M.		Sample		ethanol quant.M
15	415-1T.M.		Sample		ethanol quant.M
16	436-01R.W.		Sample		ethanol quant.M
17	436-01R.W.		Sample		ethanol quant.M
18	334-01M.S.		Sample		ethanol quant.M
19	334-01M.S.		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	414-01J.H.		Sample		ethanol quant.M
22	414-01J.H.		Sample		ethanol quant.M
23	2404875-2		Sample		ethanol quant.M
24	2404875-2		Sample		ethanol quant.M
25	2405204-1		Sample		ethanol quant.M
26	2405204-1		Sample		ethanol quant.M
27	2405121-2		Sample		ethanol quant.M
28	2405121-2		Sample		ethanol quant.M
29	2405291-2		Sample		ethanol quant.M
30	2405291-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2405297-2		Sample		ethanol quant.M
33	2405297-2		Sample		ethanol quant.M
34	2404894-1		Sample		ethanol quant.M
35	2404894-1		Sample		ethanol quant.M
36	2405371-1		Sample		ethanol quant.M
37	2405371-1		Sample		ethanol quant.M
38	2405439-1		Sample		ethanol quant.M
39	2405439-1		Sample		ethanol quant.M
40	2405381-1		Sample		ethanol quant.M
41	2405381-1		Sample		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	010524AQ	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 18Mar24

ANALYST: Canonico ee

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0118	0.0116	0.01170	0.85	0.00010
12 13	0.2192	0.2215	0.22035	0.52	0.00115
14 15	0.2150	0.2173	0.21615	0.53	0.00115
16 17	0.2045	0.2081	0.20630	0.87	0.00180
18 19	0.2543	0.2518	0.25305	0.49	0.00125
21 22	0.1913	0.1905	0.19090	0.21	0.00040
23 24	0.3855	0.3863	0.38590	0.10	0.00040
25 26	0.1894	0.1887	0.18905	0.19	0.00035
27 28	0.1239	0.1211	0.12250	1.14	0.00140
29 30	0.2578	0.2556	0.25670	0.43	0.00110
32 33	0.0861	0.0850	0.08555	0.64	0.00055
34 35	0.0998	0.0998	0.09980	0.00	0.00000
36 37	0.2254	0.2218	0.22360	0.81	0.00180
38 39	0.1940	0.1941	0.19405	0.03	0.00005
40 41	0.0831	0.0831	0.08310	0.00	0.00000

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01S.S.	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:21:53 PM
Data file:	C:\Chem32\1\Data\18Mar24\10.D	Analyst:	Canonico

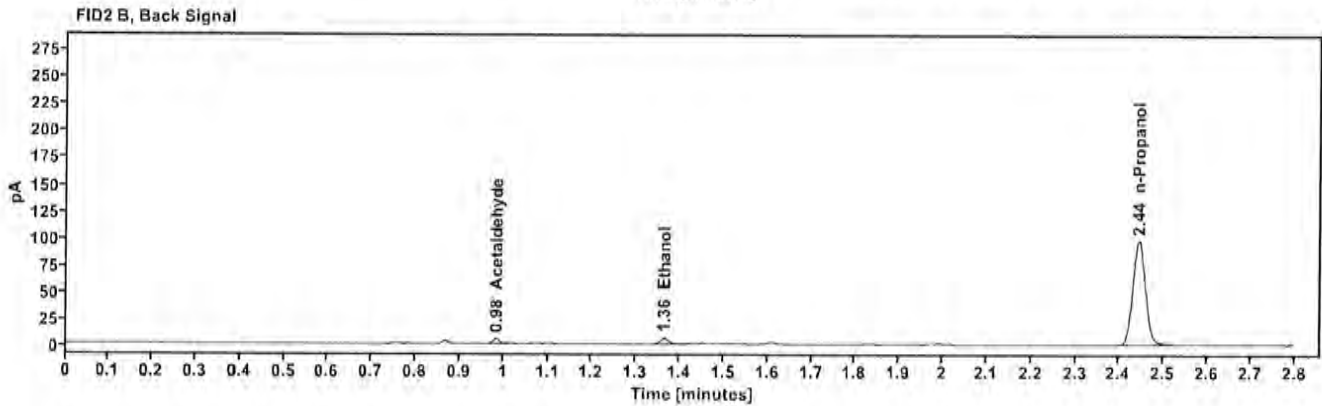
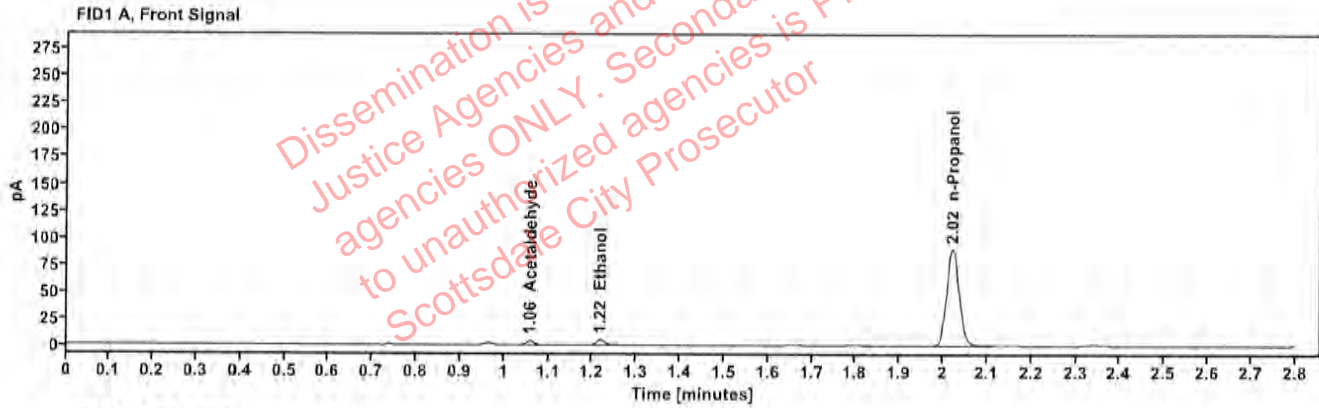


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	---	1.059	4.229
>Ethanol	0.0118	1.217	6.458
n-Propanol	---	2.021	177.884

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.812
Ethanol	1.364	7.271
n-Propanol	2.444	193.961

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 327-01S.S.	Vial: 11
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 18Mar24
Instrument: US14173023 CN14160045	Injection date: 3/18/2024 2:25:52 PM
Data file: C:\Chem32\1\Data\18Mar24\11.D	Analyst: Canonico

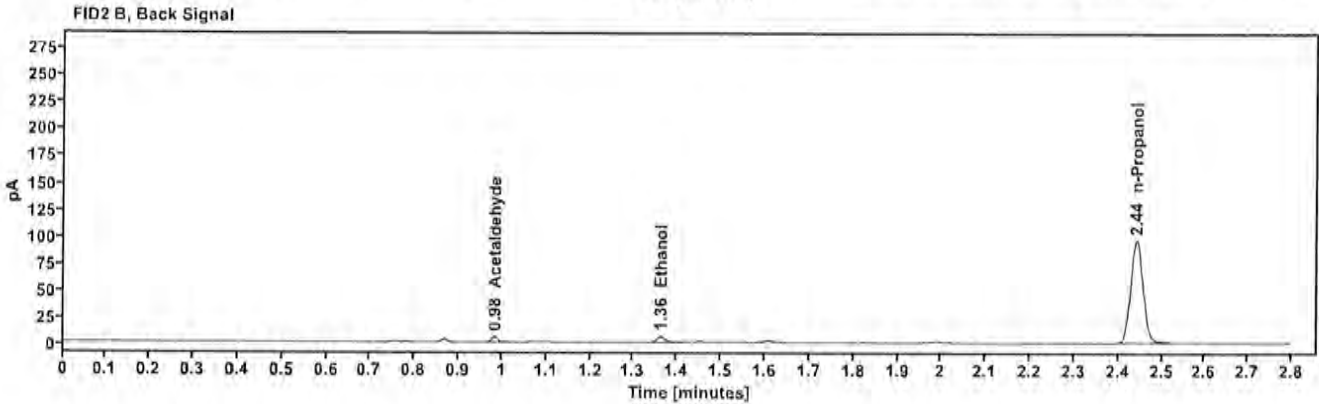
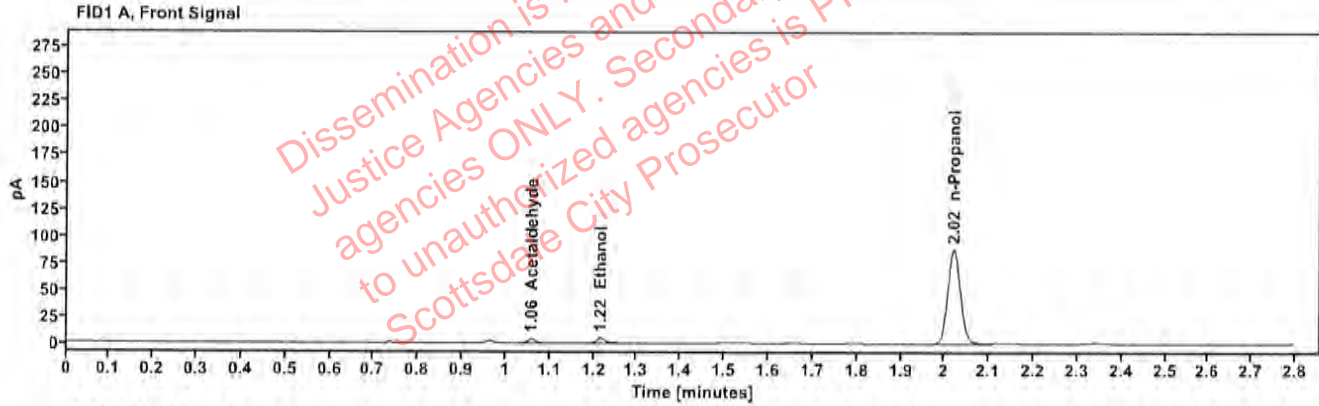


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.058	4.201
>Ethanol	0.0116	1.216	6.263
n-Propanol	-----	2.020	174.696

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	4.780
Ethanol	1.363	7.022
n-Propanol	2.442	190.358

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	426-01J.O.	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:29:53 PM
Data file:	C:\Chem32\1\Data\18Mar24\12.D	Analyst:	Canonico

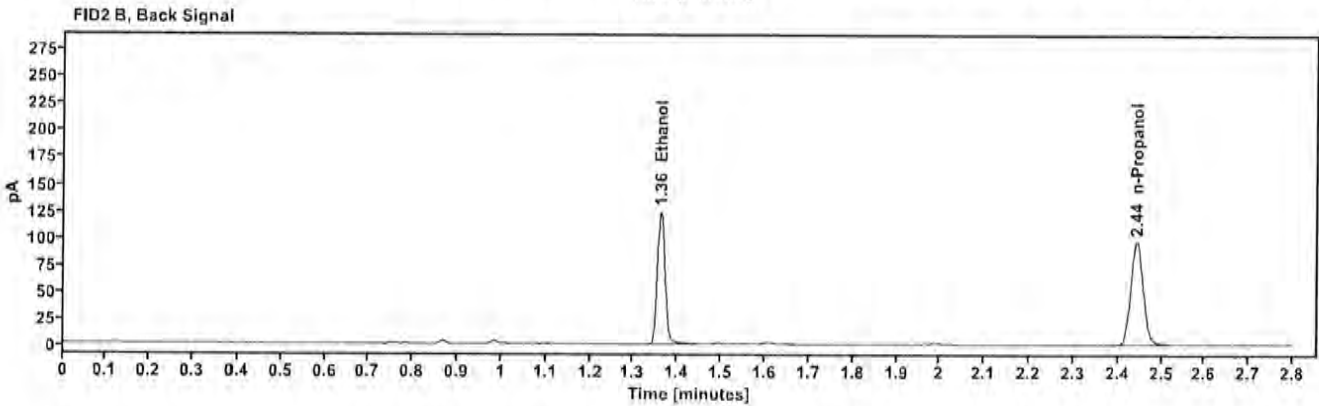
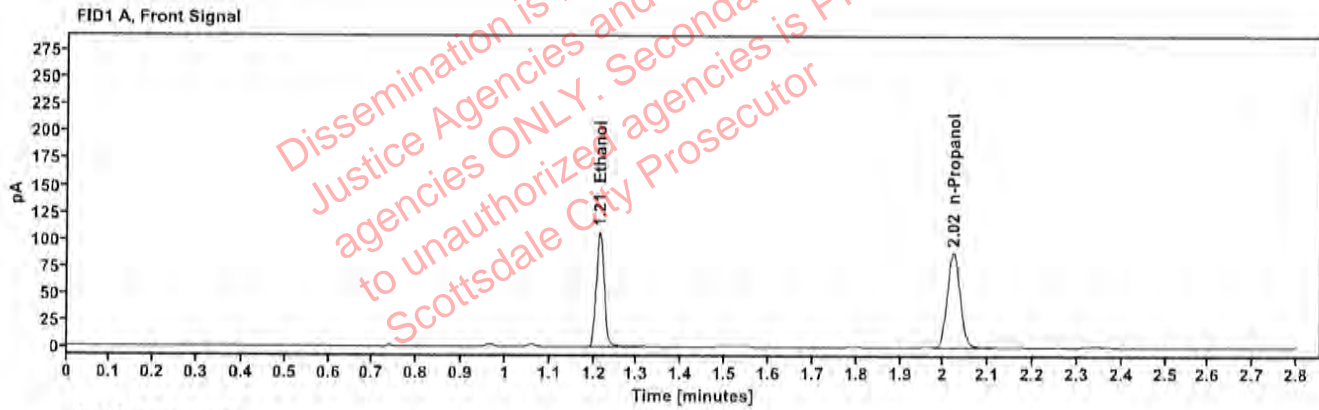


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2192	1.213	135.300
n-Propanol	—	2.021	176.935

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

Compound	Time (min)	Peak Area
Ethanol	1.361	148.827
n-Propanol	2.443	191.458

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	426-01J.O.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:34:07 PM
Data file:	C:\Chem32\1\Data\18Mar24\13.D	Analyst:	Canonico

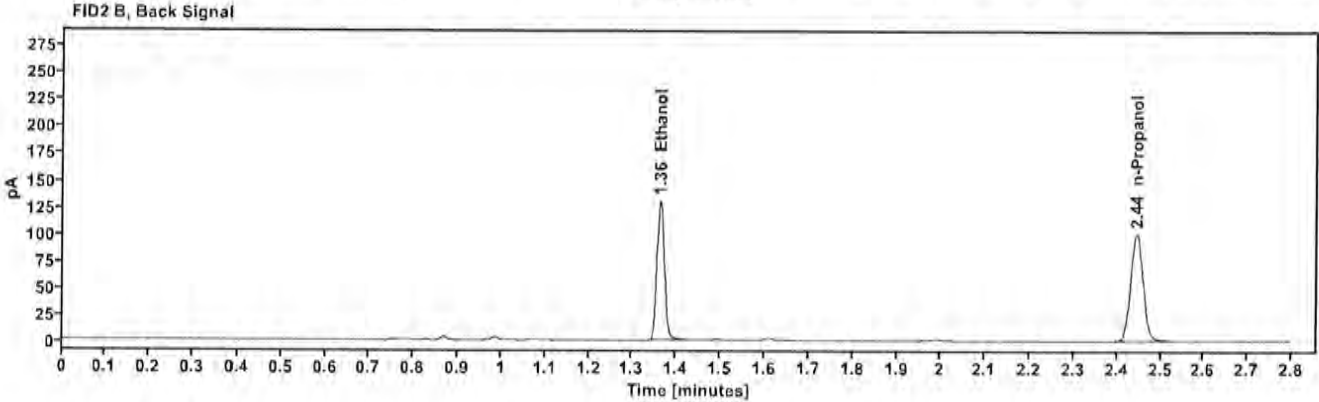
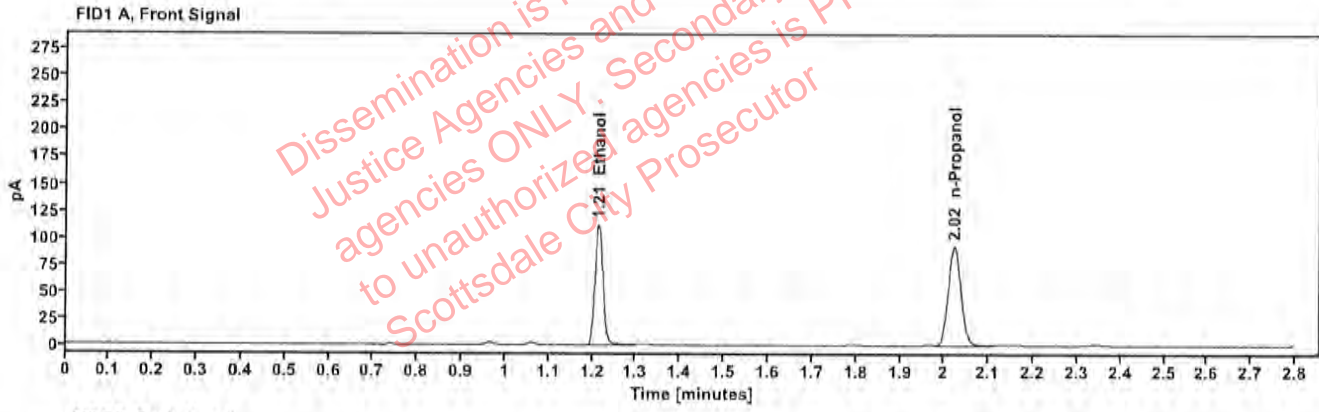


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2215	1.214	142.994
n-Propanol	—	2.022	185.045

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

Compound	Time (min)	Peak Area
Ethanol	1.363	157.449
n-Propanol	2.445	200.085

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	415-1T.M.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:38:07 PM
Data file:	C:\Chem32\1\Data\18Mar24\14.D	Analyst:	Canonico

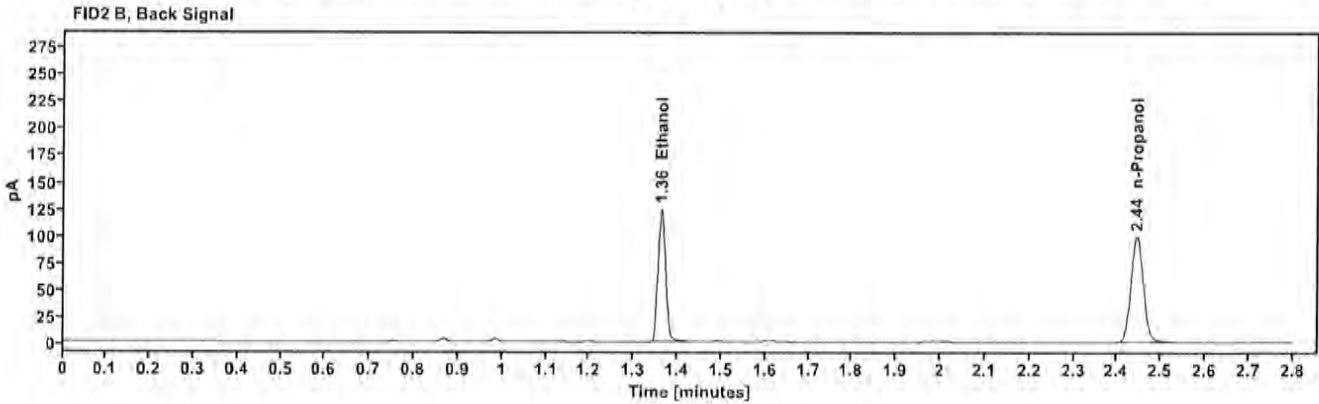
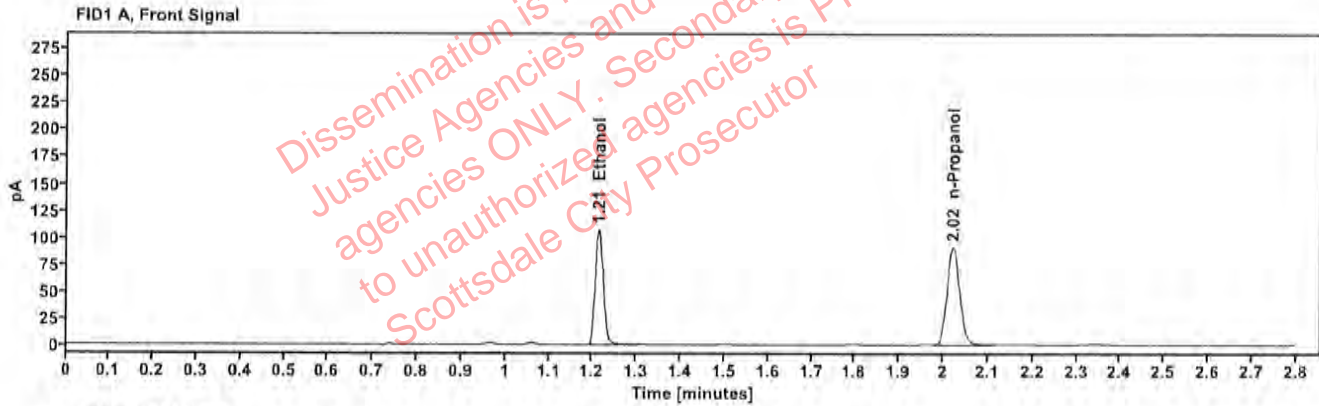


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2150	1.214	136.385
n-Propanol	—	2.022	181.854

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

Compound	Time (min)	Peak Area
Ethanol	1.362	150.145
n-Propanol	2.444	196.320

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	415-1T.M.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:42:08 PM
Data file:	C:\Chem32\1\Data\18Mar24\15.D	Analyst:	Canonico

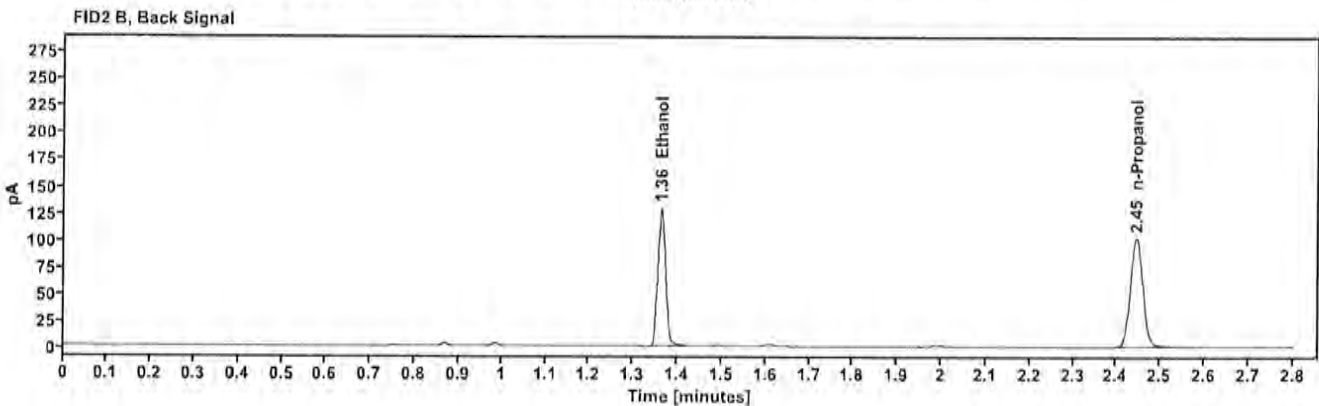
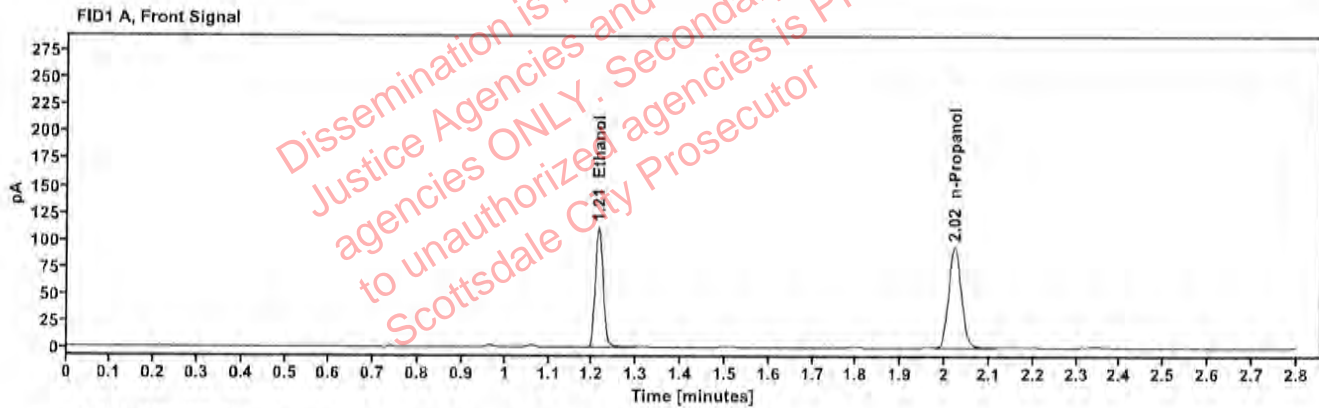


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2173	1.214	142.193
n-Propanol	—	2.022	187.587

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

Compound	Time (min)	Peak Area
Ethanol	1.363	156.327
n-Propanol	2.445	202.418

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	436-01R.W.	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:46:08 PM
Data file:	C:\Chem32\1\Data\18Mar24\16.D	Analyst:	Canonico

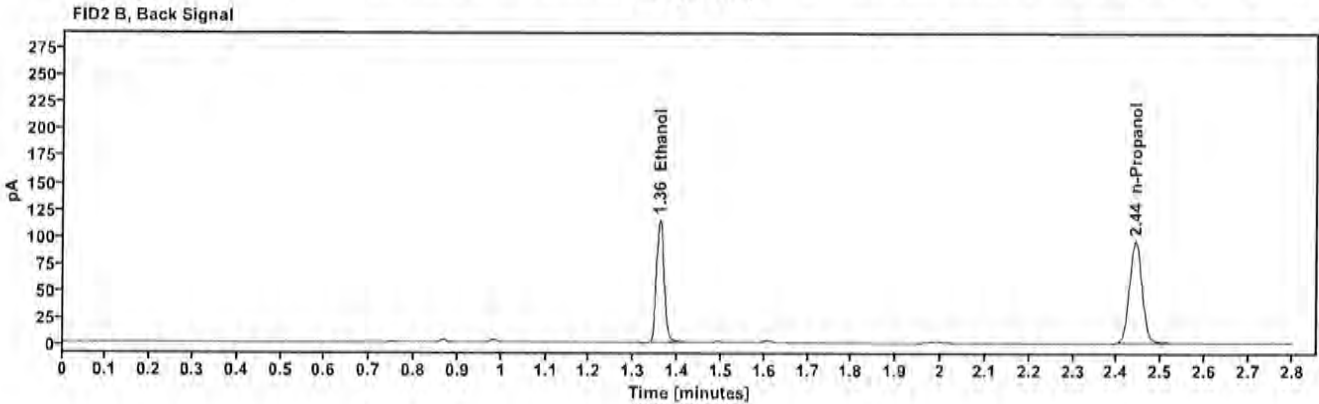
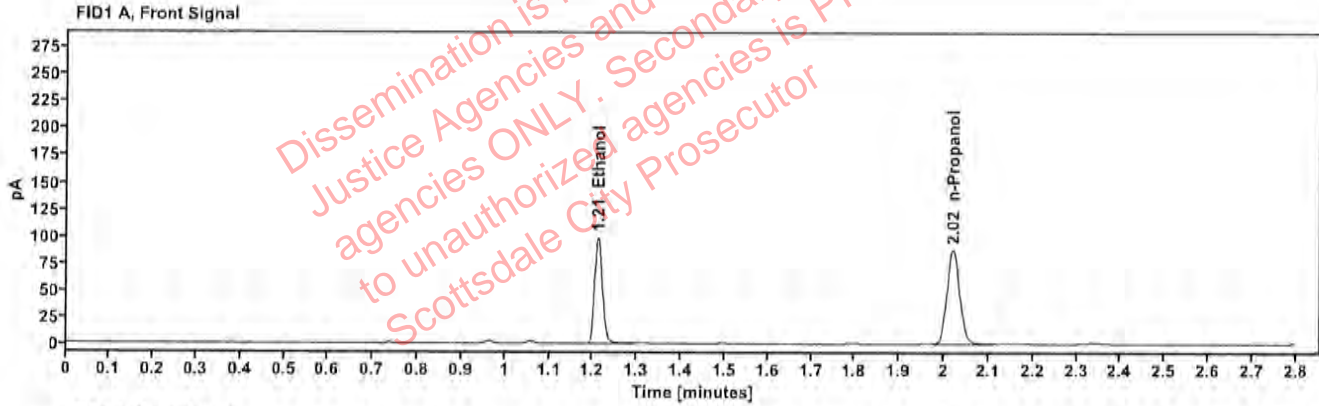


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2045	1.211	125.114
n-Propanol	---	2.020	175.469

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

Compound	Time (min)	Peak Area
Ethanol	1.359	137.679
n-Propanol	2.441	189.356

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	436-01R.W.	Vial:	17
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:50:07 PM
Data file:	C:\Chem32\1\Data\18Mar24\17.D	Analyst:	Canonico

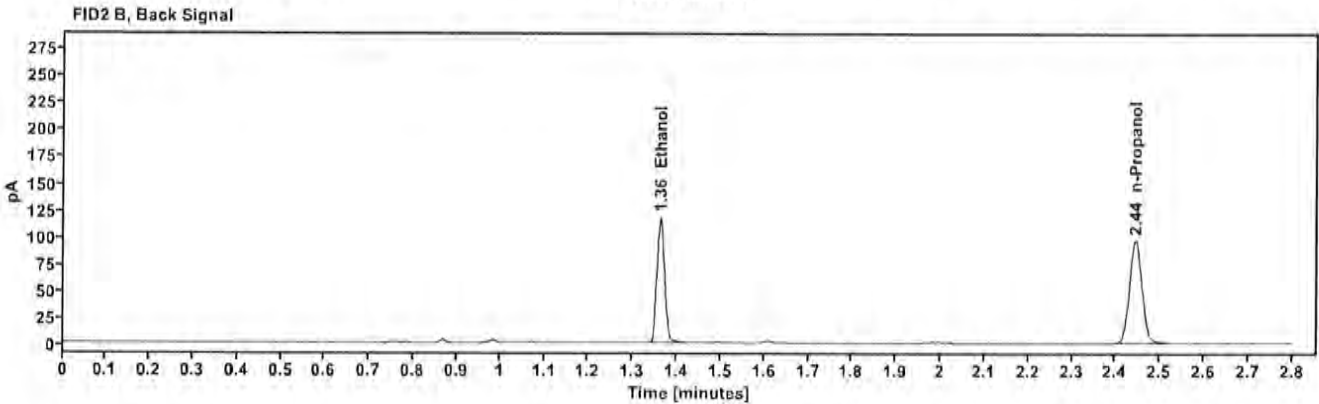
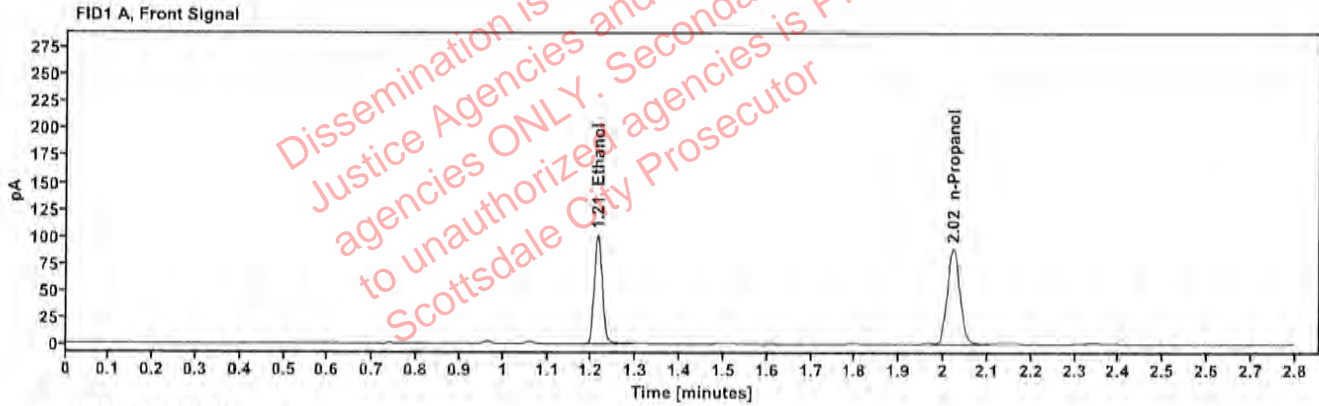


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2081	1.213	128.750
n-Propanol	---	2.021	177.468

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

Compound	Time (min)	Peak Area
Ethanol	1.361	141.531
n-Propanol	2.444	192.030

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	334-01M.S.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:54:08 PM
Data file:	C:\Chem32\1\Data\18Mar24\18.D	Analyst:	Canonico

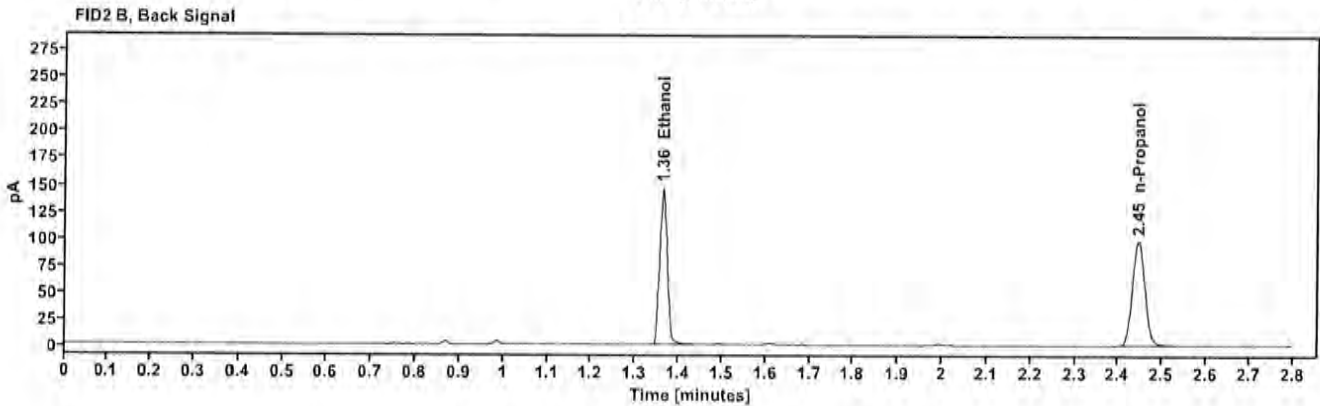
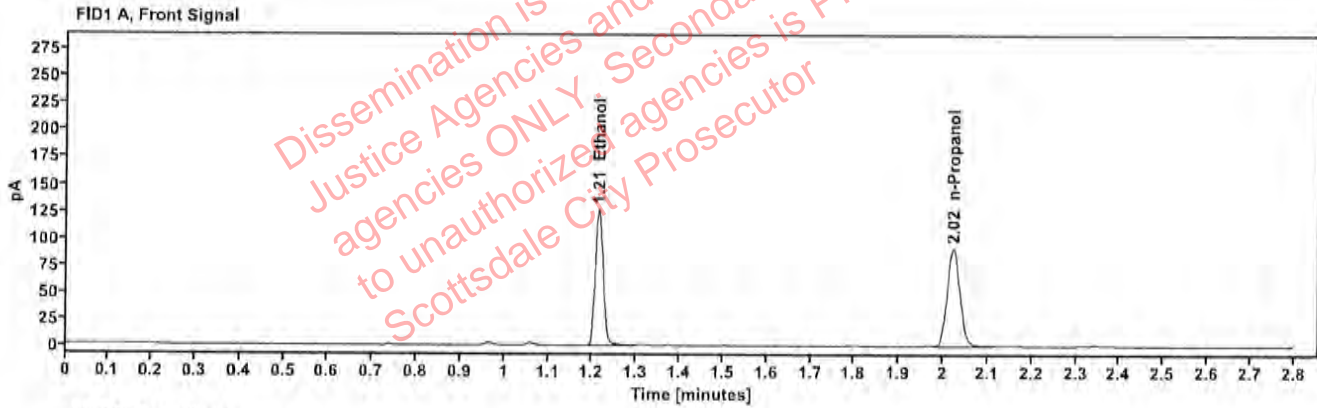


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2543	1.214	160.663
n-Propanol	—	2.022	180.965

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

Compound	Time (min)	Peak Area
Ethanol	1.363	176.840
n-Propanol	2.445	195.408

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	334-01M.S.	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 2:58:23 PM
Data file:	C:\Chem32\1\Data\18Mar24\19.D	Analyst:	Canonico

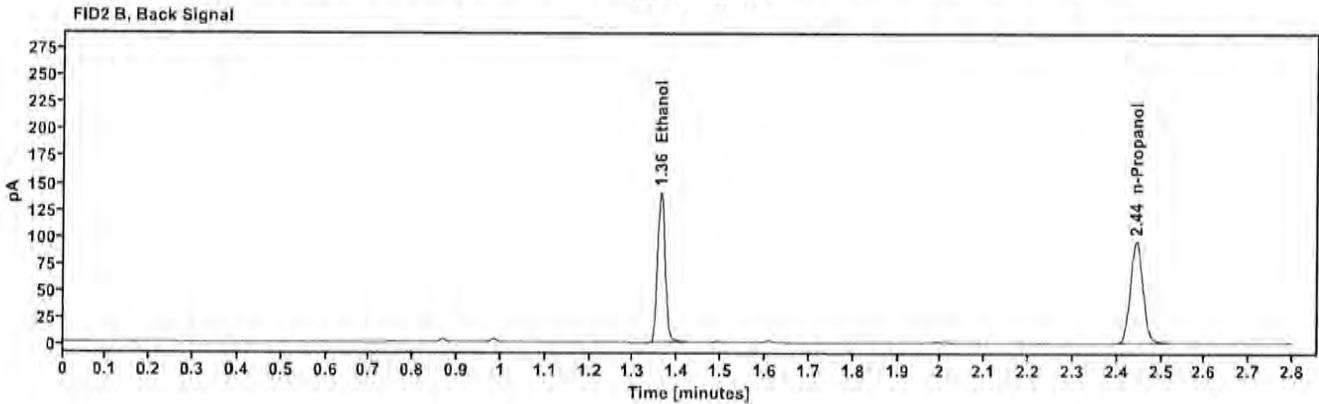
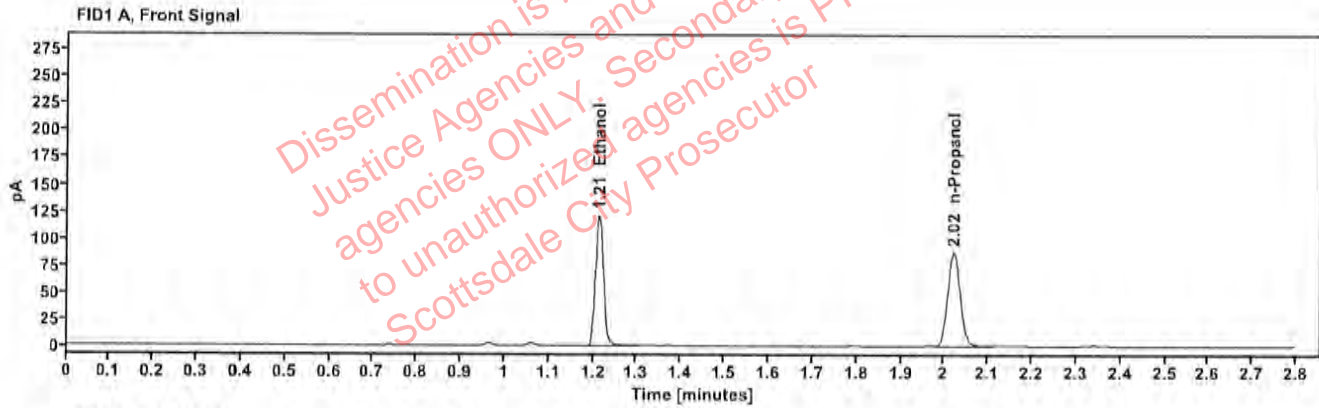


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2518	1.213	154.043
n-Propanol	---	2.021	175.261

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

Compound	Time (min)	Peak Area
Ethanol	1.361	169.343
n-Propanol	2.443	188.888

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	414-01J.H.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:06:23 PM
Data file:	C:\Chem32\1\Data\18Mar24\21.D	Analyst:	Canonico

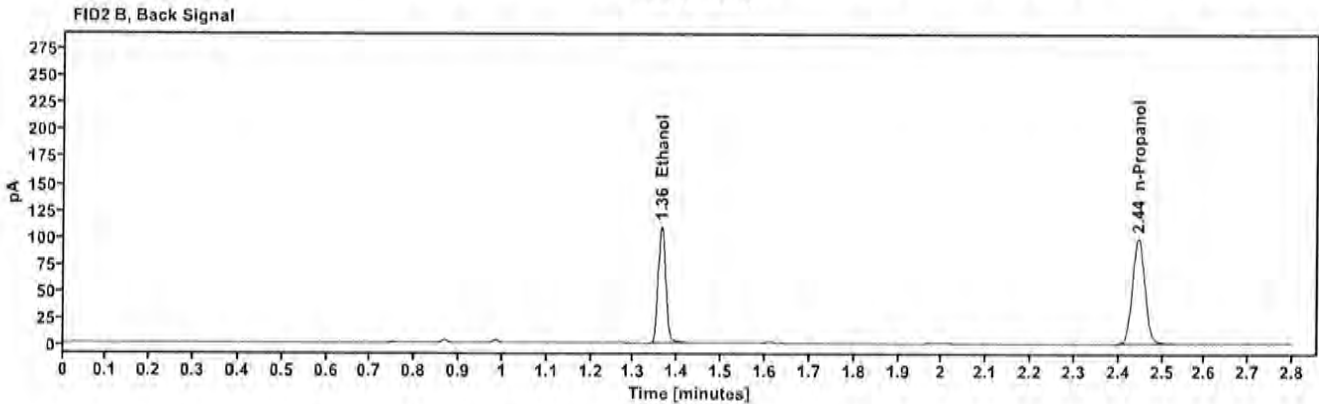
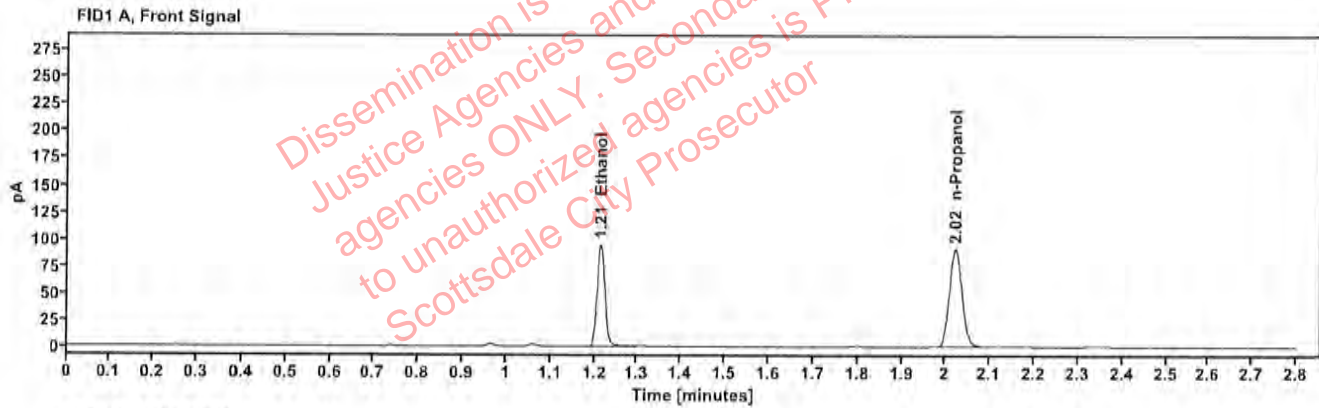


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1913	1.214	120.571
n-Propanol	---	2.022	180.848

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

Compound	Time (min)	Peak Area
Ethanol	1.363	132.660
n-Propanol	2.445	196.596

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	414-01J.H.	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:10:23 PM
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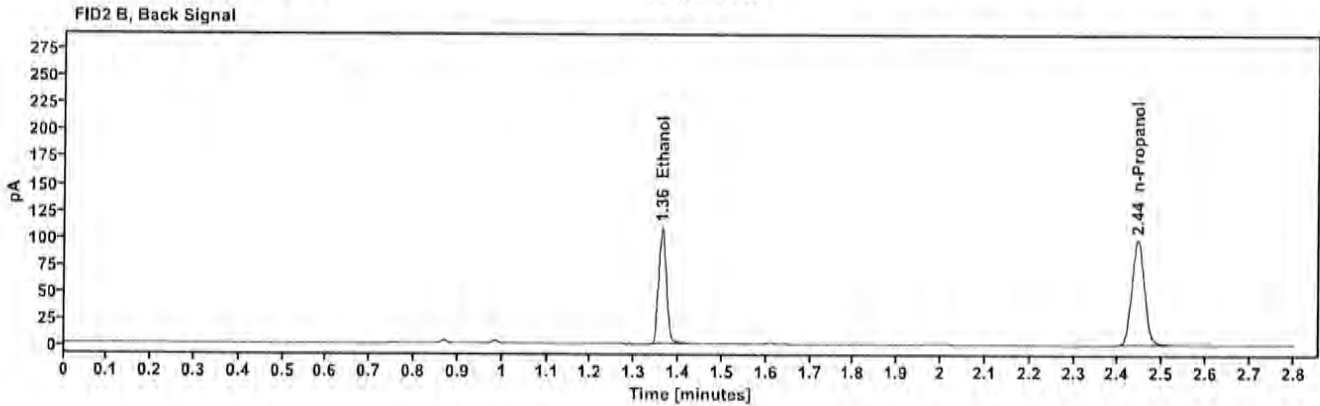
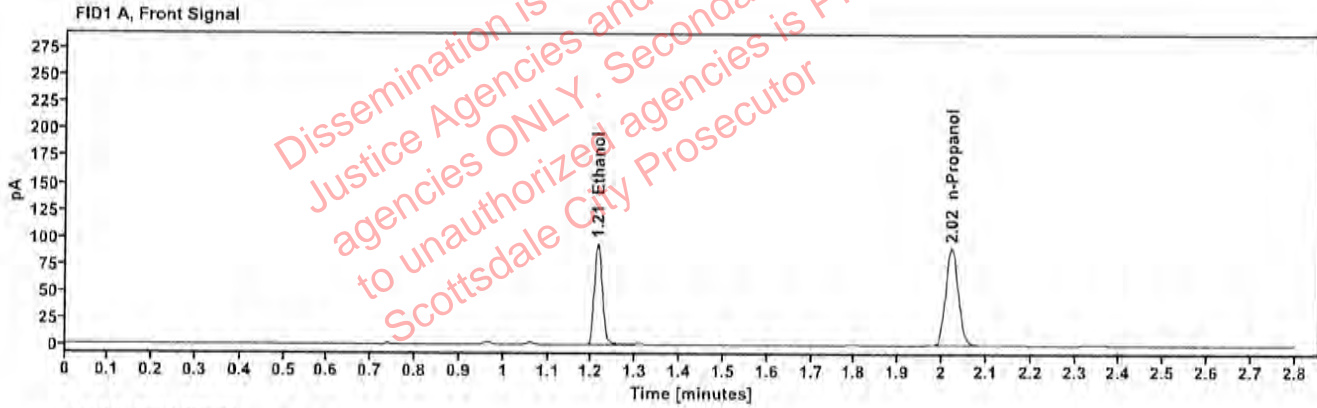


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1905	1.213	119.463
n-Propanol	—	2.021	179.934

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

Compound	Time (min)	Peak Area
Ethanol	1.362	131.363
n-Propanol	2.444	195.511

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404875-2	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:14:23 PM
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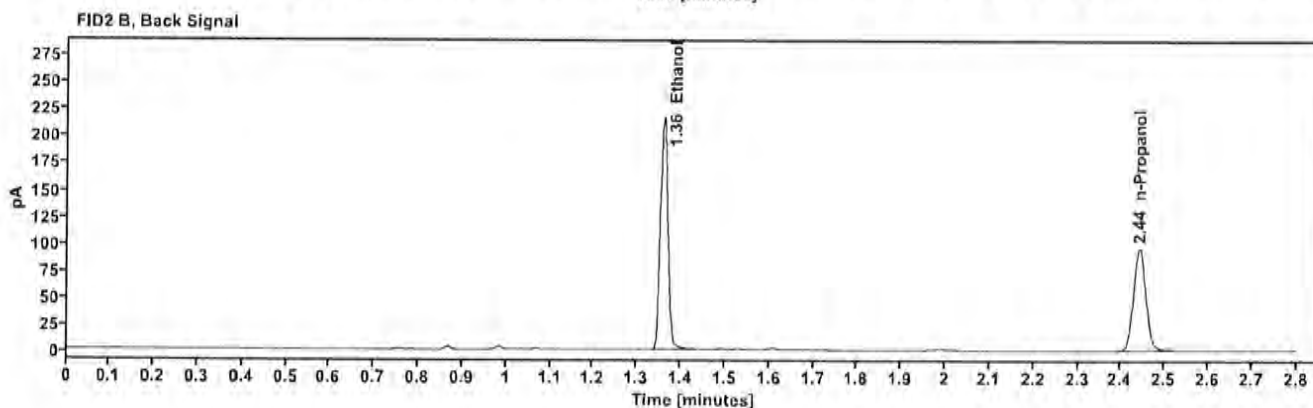
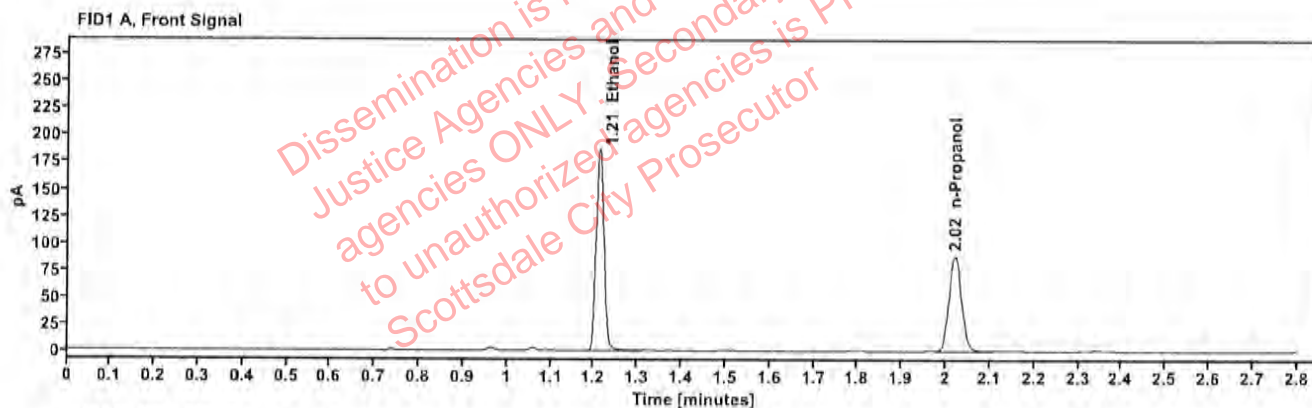


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3855	1.212	237.033
n-Propanol	---	2.020	175.769

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

Compound	Time (min)	Peak Area
Ethanol	1.359	262.007
n-Propanol	2.442	189.913

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404875-2	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:18:23 PM
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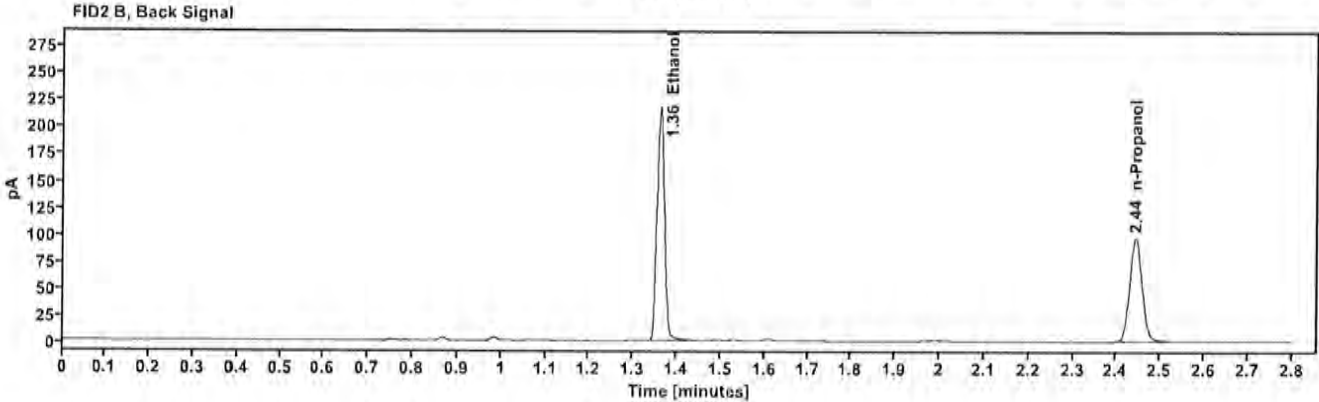
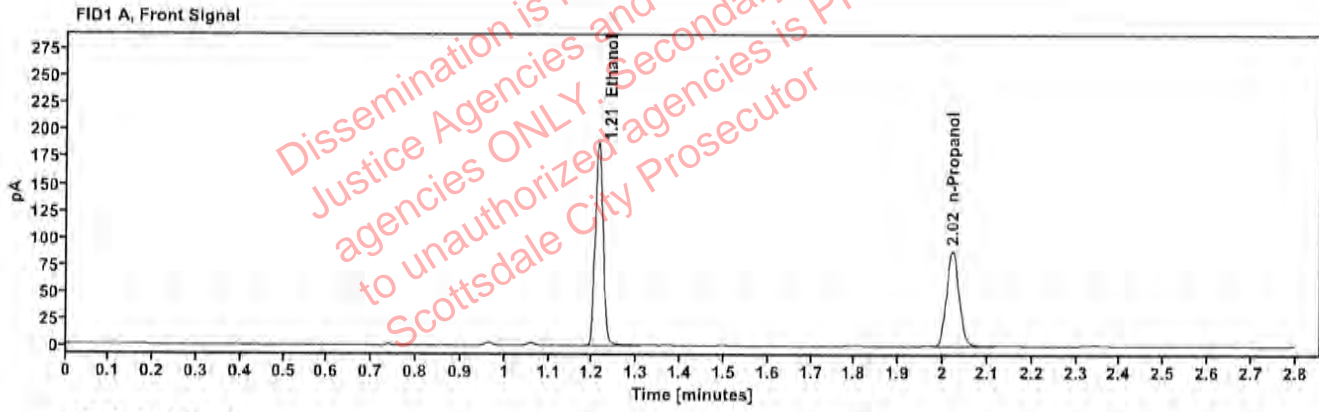


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3863	1.212	239.294
n-Propanol	---	2.021	177.106

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

Compound	Time (min)	Peak Area
Ethanol	1.361	265.358
n-Propanol	2.443	191.319

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405204-1	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:22:37 PM
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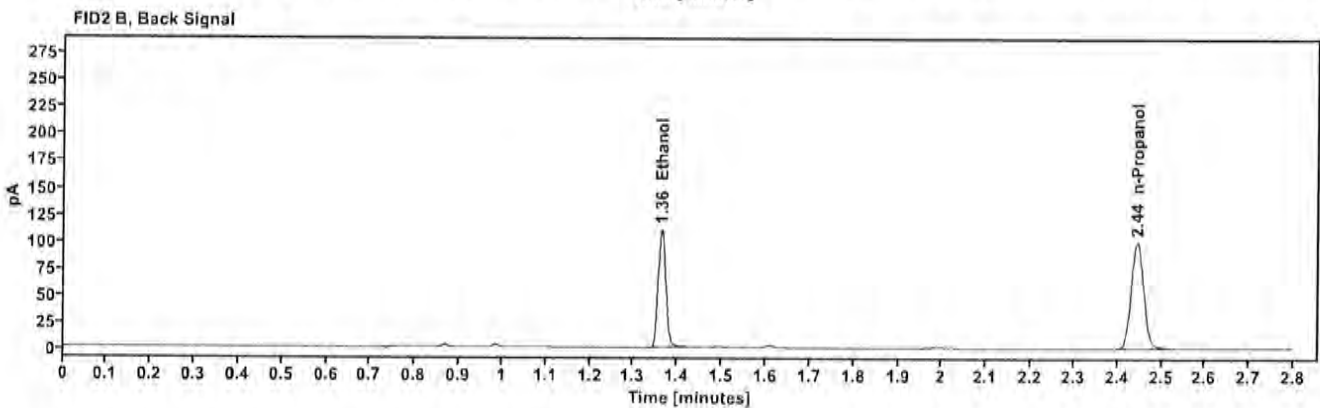
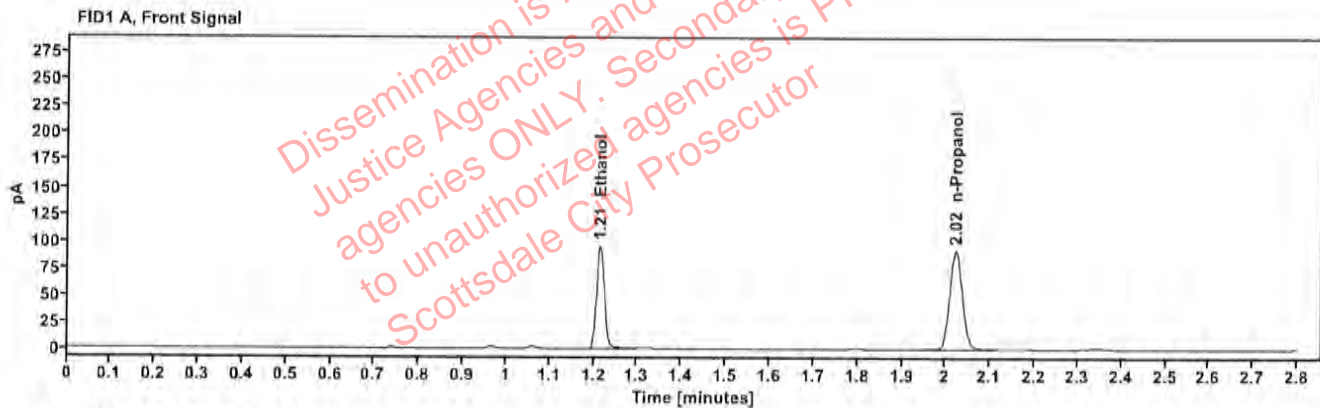


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1894	1.214	121.573
n-Propanol	—	2.022	184.248

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

Compound	Time (min)	Peak Area
Ethanol	1.363	133.606
n-Propanol	2.445	198.290

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405204-1	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:26:38 PM
Data file:	C:\Chem32\1\Data\18Mar24\26.D	Analyst:	Canonico

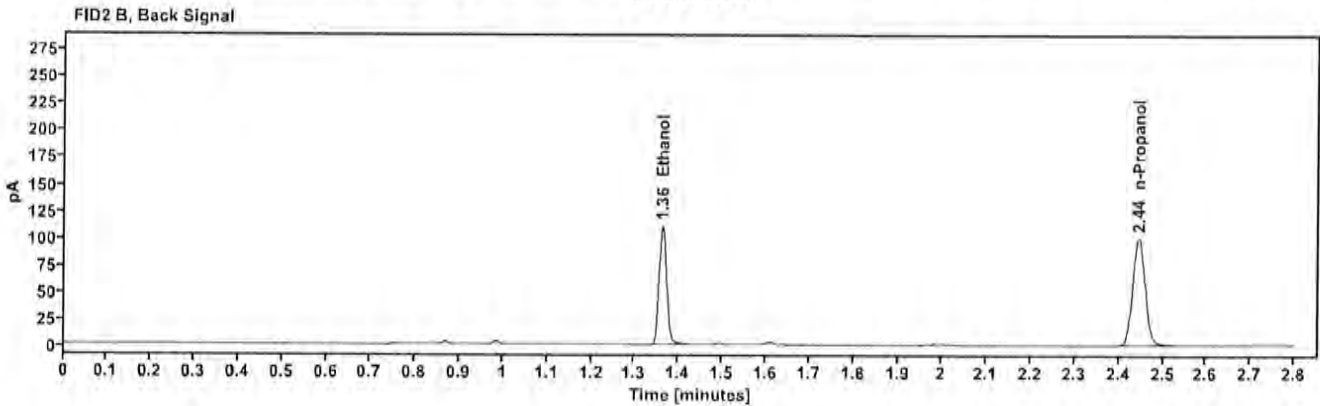
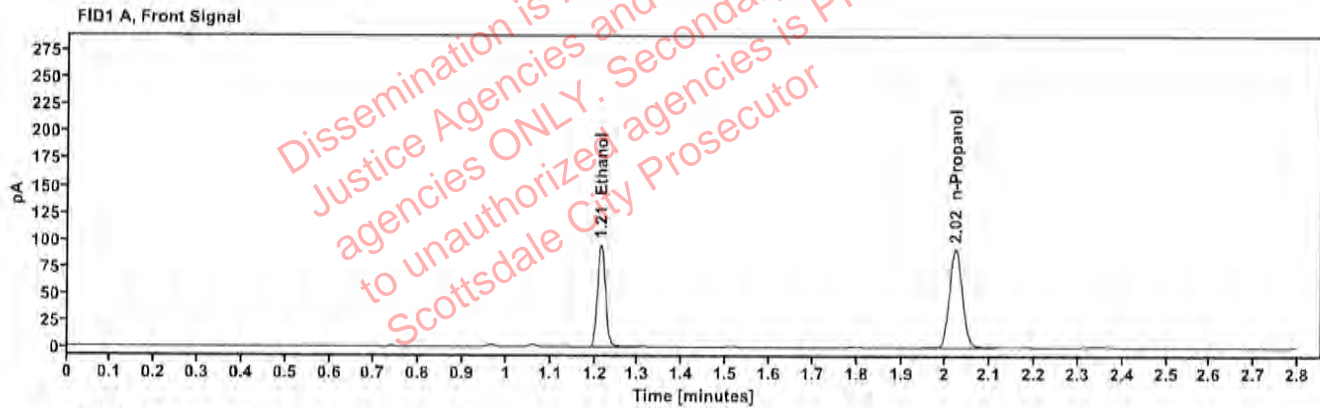


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1887	1.214	121.445
n-Propanol	-----	2.022	184.740

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

Compound	Time (min)	Peak Area
Ethanol	1.363	133.633
n-Propanol	2.445	198.962

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405121-2	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:30:38 PM
Data file:	C:\Chem32\1\Data\18Mar24\27.D	Analyst:	Canonico

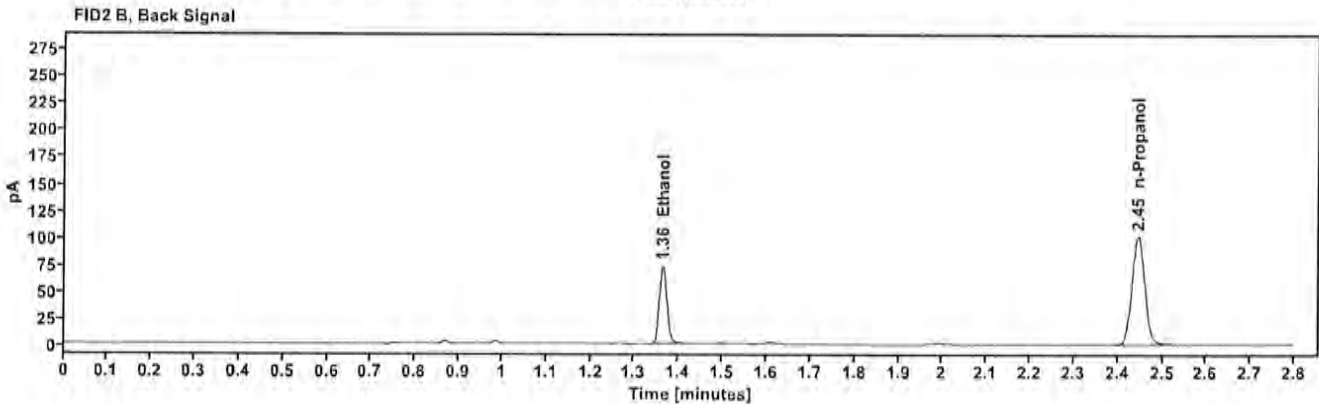
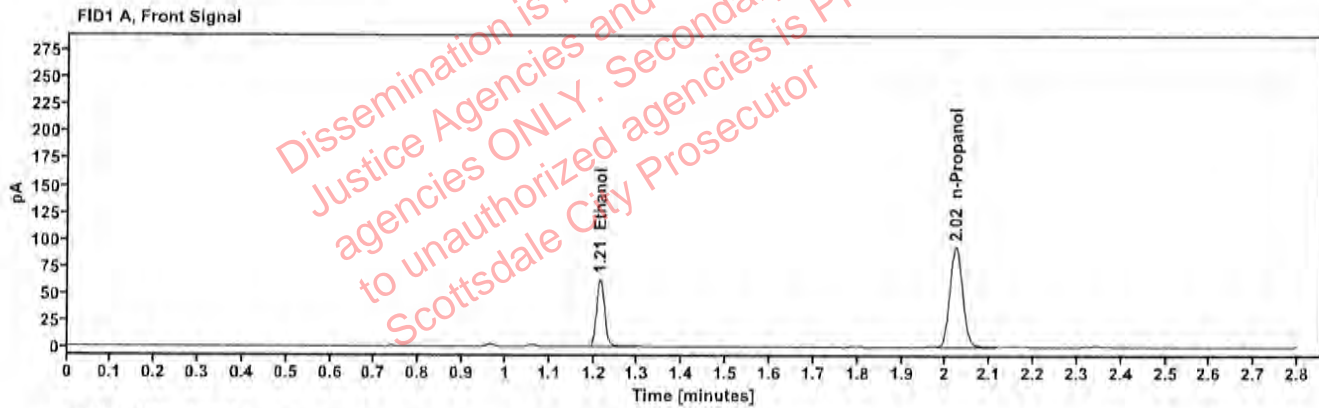


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1239	1.215	80.234
n-Propanol	---	2.022	186.548

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

Compound	Time (min)	Peak Area
Ethanol	1.363	88.230
n-Propanol	2.445	201.635

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405121-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:34:37 PM
Data file:	C:\Chem32\1\Data\18Mar24\28.D	Analyst:	Canonico

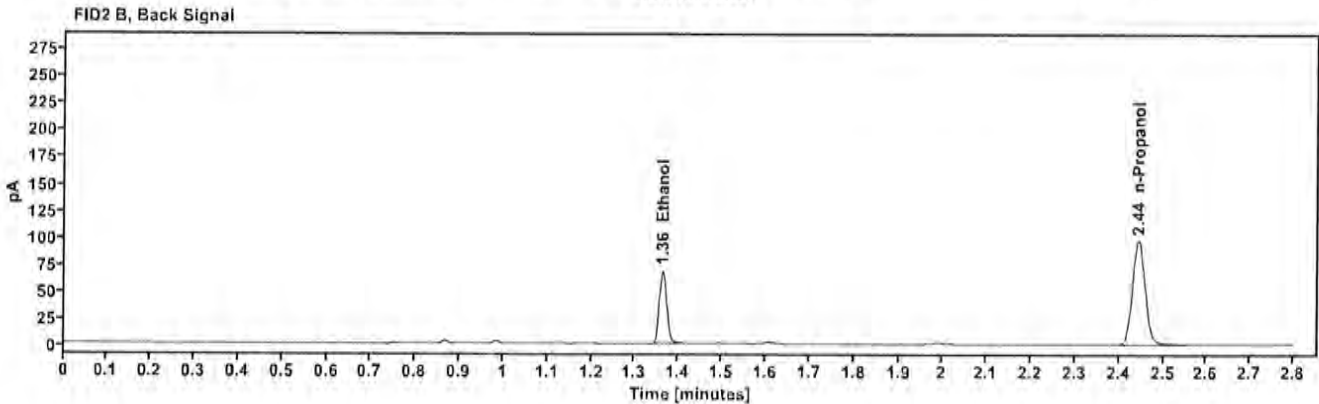
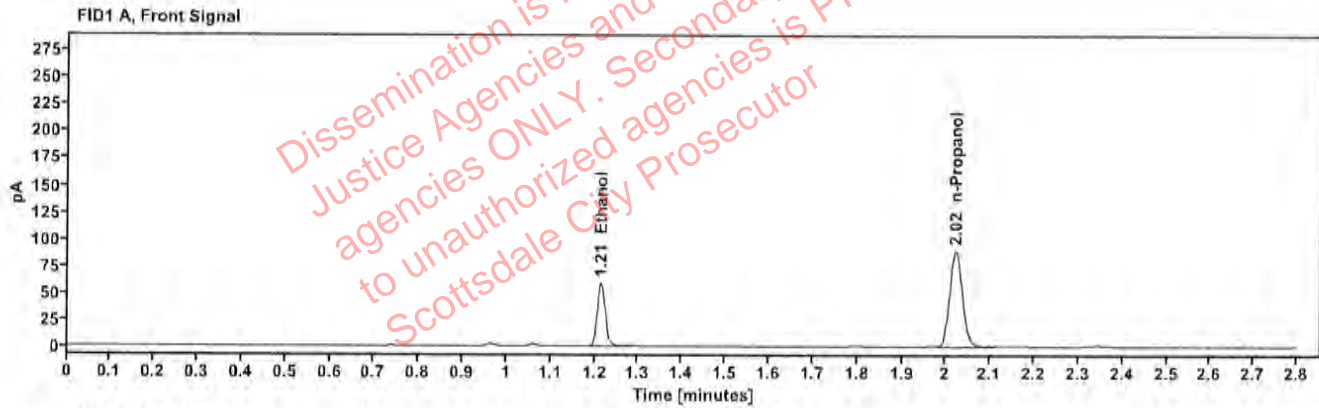


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1211	1.214	75.001
n-Propanol	-----	2.022	178.471

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

Compound	Time (min)	Peak Area
Ethanol	1.363	82.366
n-Propanol	2.444	192.684

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405291-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:38:38 PM
Data file:	C:\Chem32\1\Data\18Mar24\29.D	Analyst:	Canonico

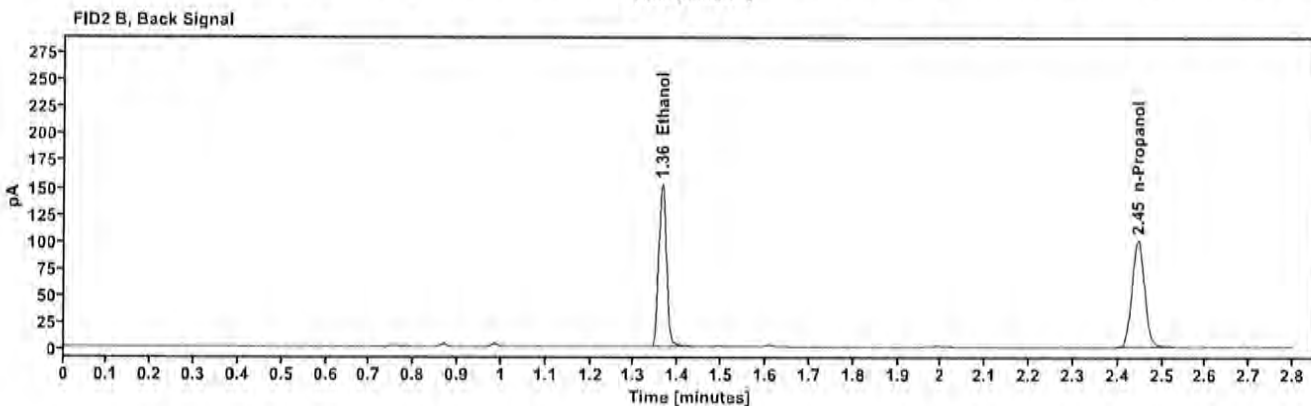
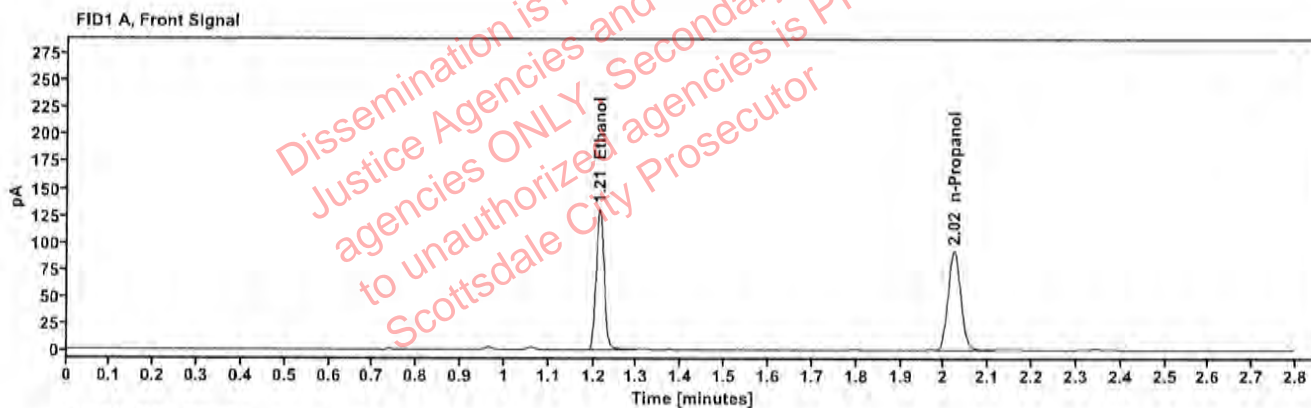


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2578	1.214	166.730
n-Propanol	---	2.022	185.201

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

Compound	Time (min)	Peak Area
Ethanol	1.363	183.392
n-Propanol	2.445	200.375

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405291-2	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:42:38 PM
Data file:	C:\Chem32\1\Data\18Mar24\30.D	Analyst:	Canonico

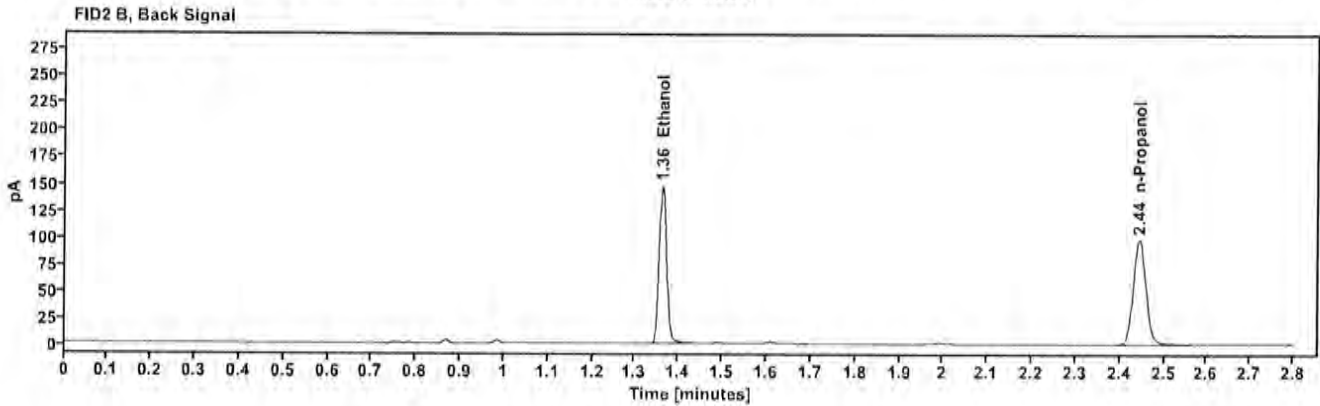
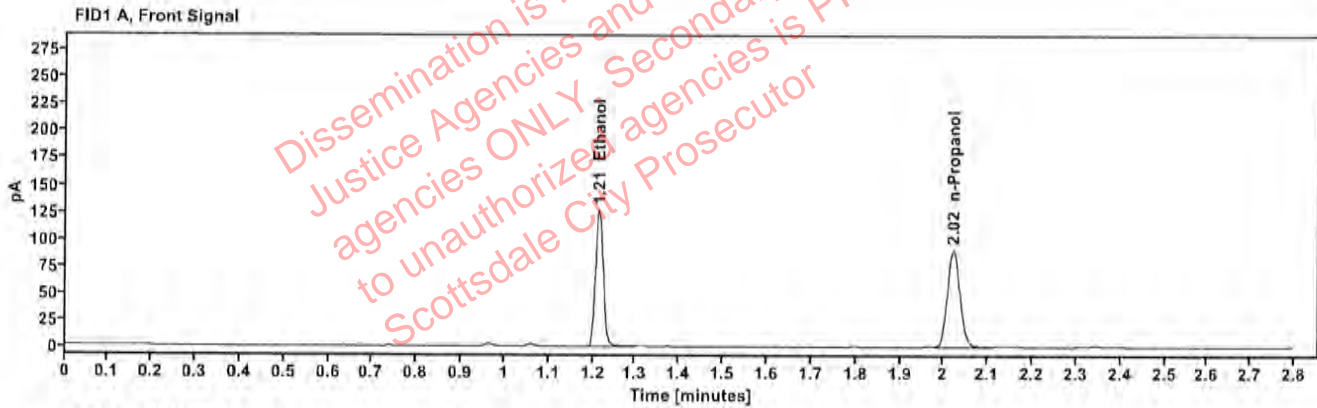


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2556	1.214	160.564
n-Propanol	-----	2.022	179.904

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

Compound	Time (min)	Peak Area
Ethanol	1.362	176.629
n-Propanol	2.444	194.675

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405297-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:50:53 PM
Data file:	C:\Chem32\1\Data\18Mar24\32.D	Analyst:	Canonico

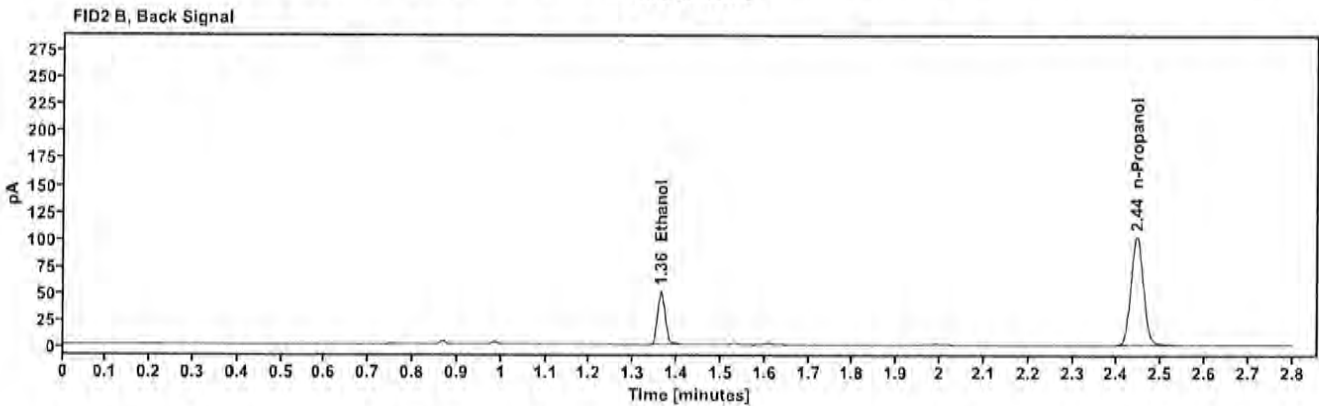
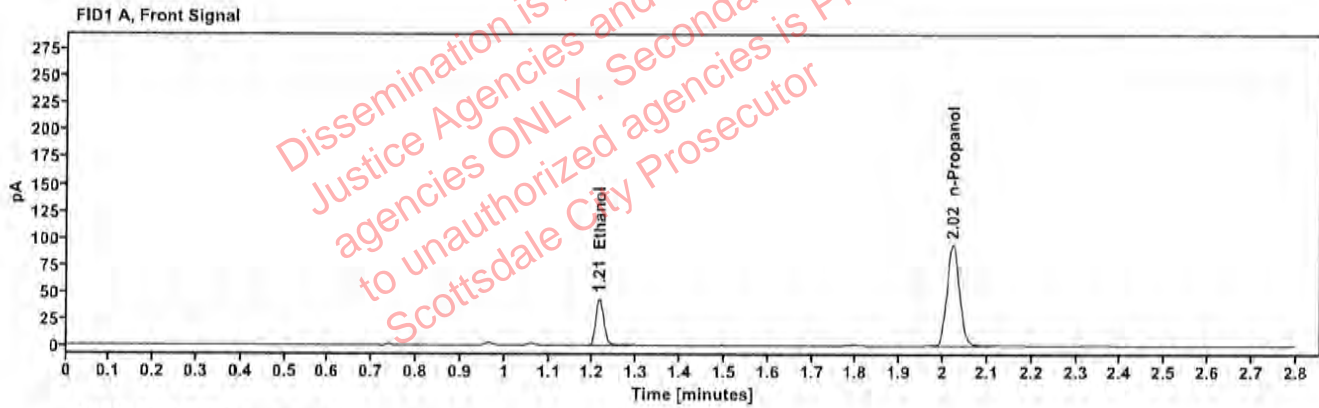


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0861	1.214	55.743
n-Propanol	—	2.022	187.564

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

Compound	Time (min)	Peak Area
Ethanol	1.363	61.193
n-Propanol	2.444	202.530

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405297-2	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:54:53 PM
Data file:	C:\Chem32\1\Data\18Mar24\33.D	Analyst:	Canonico

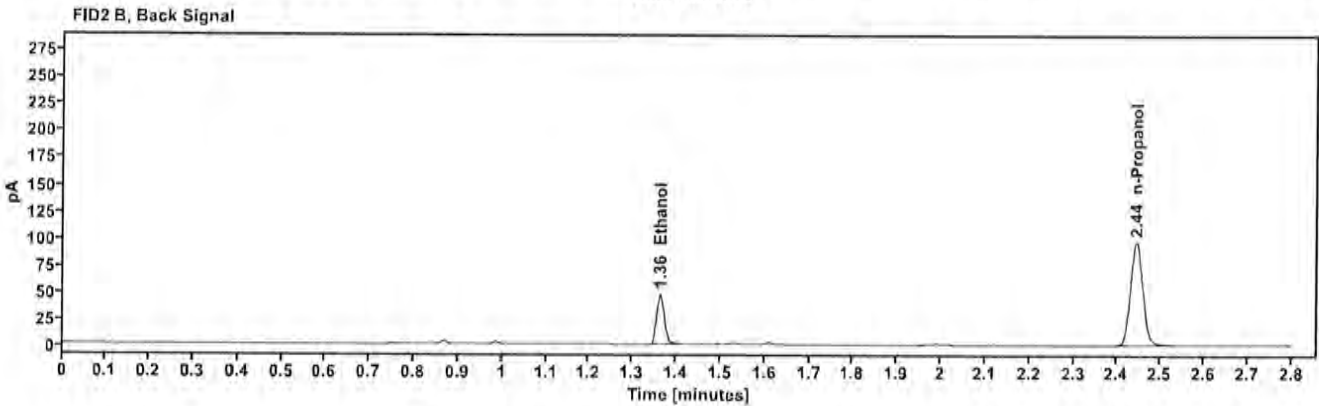
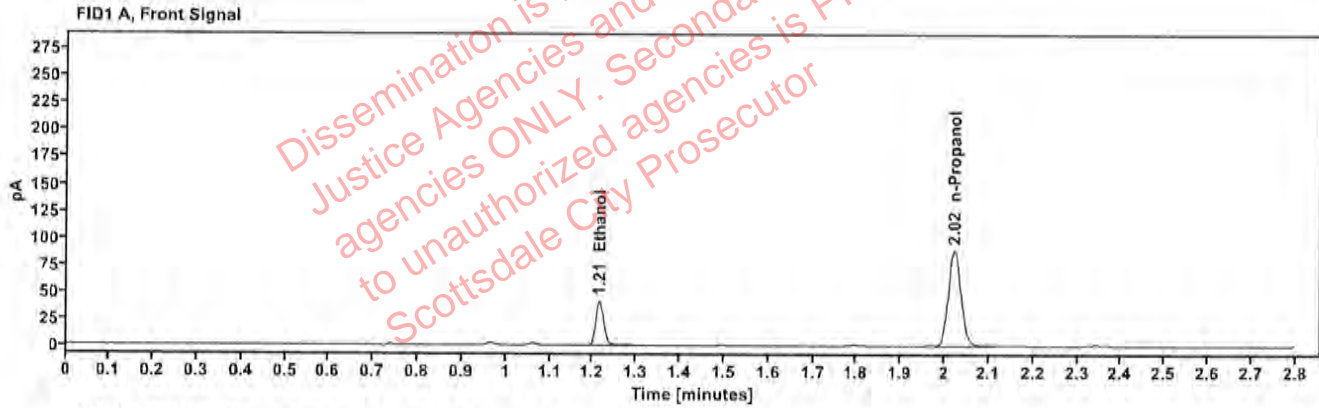


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0850	1.214	52.325
n-Propanol	—	2.022	178.285

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

Compound	Time (min)	Peak Area
Ethanol	1.363	57.413
n-Propanol	2.444	192.429

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404894-1	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 3:58:53 PM
Data file:	C:\Chem32\1\Data\18Mar24\34.D	Analyst:	Canonico

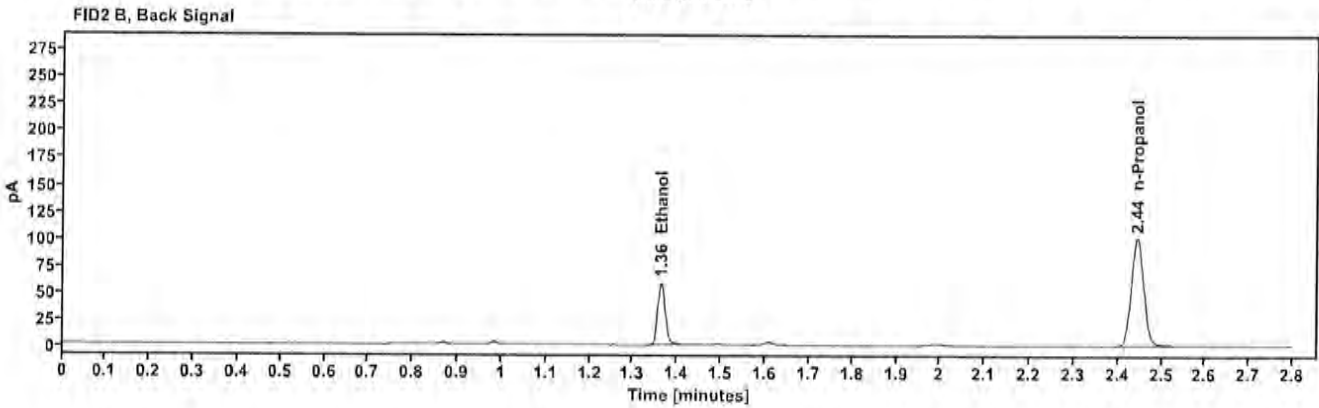
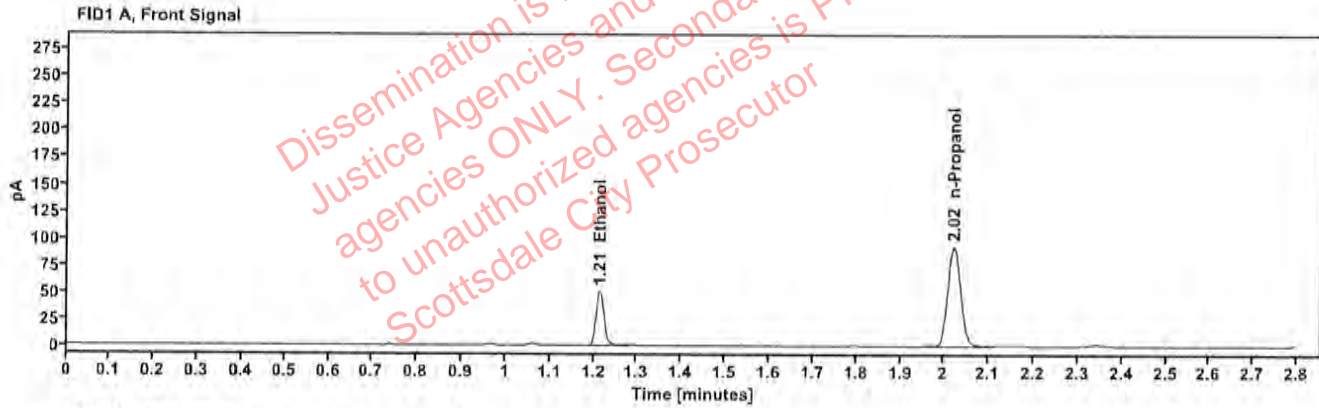


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0998	1.214	64.146
n-Propanol	—	2.021	185,657

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

Compound	Time (min)	Peak Area
Ethanol	1.362	70.473
n-Propanol	2.444	200.336

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2404894-1	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:02:52 PM
Data file:	C:\Chem32\1\Data\18Mar24\35.D	Analyst:	Canonico

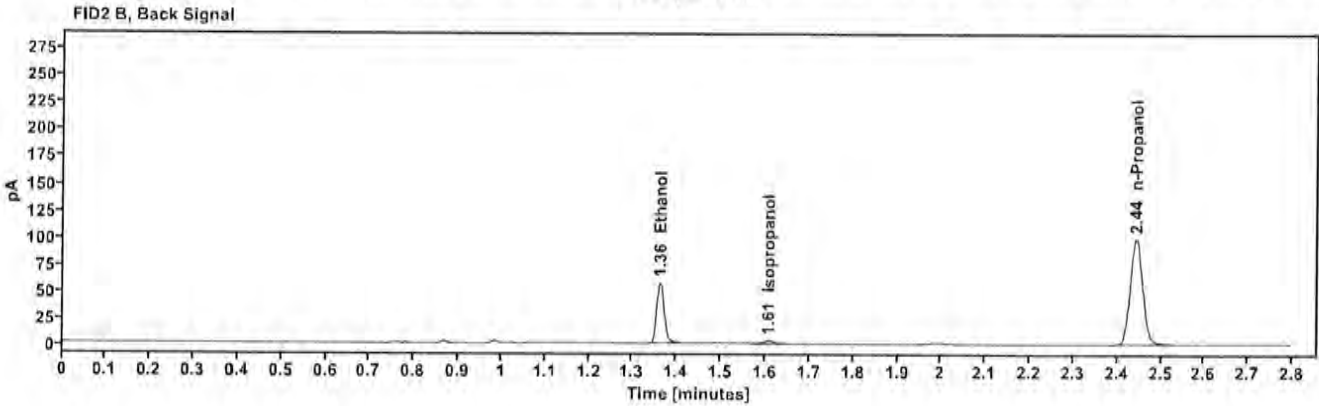
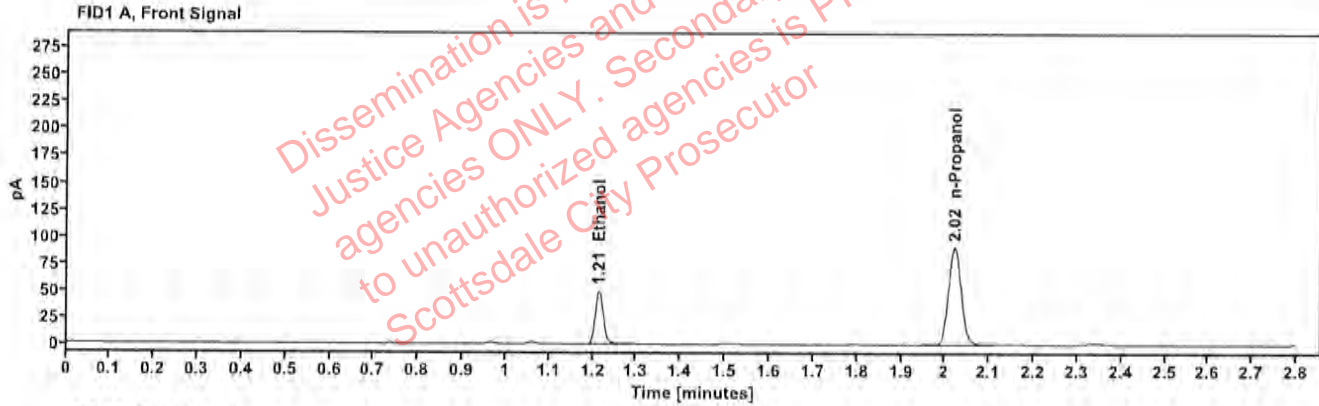


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0998	1.214	63.071
n-Propanol	—	2.021	182.589

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

Compound	Time (min)	Peak Area
Ethanol	1.362	69.485
Isopropanol	1.607	4.112
n-Propanol	2.443	197.239

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405371-1	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:06:53 PM
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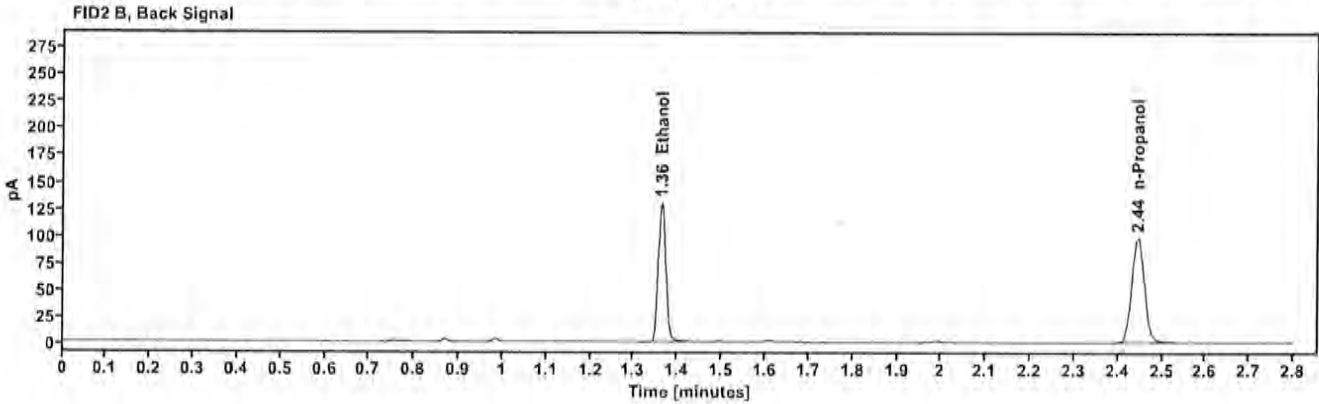
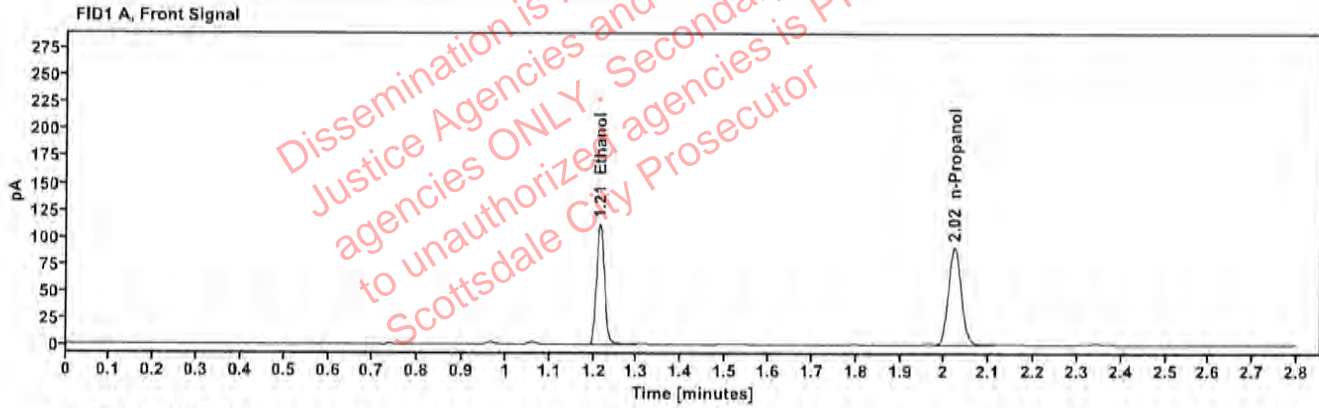


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2254	1.214	142.443
n-Propanol	—	2.022	181.146

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

Compound	Time (min)	Peak Area
Ethanol	1.363	156.700
n-Propanol	2.445	195.865

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405371-1	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:11:07 PM
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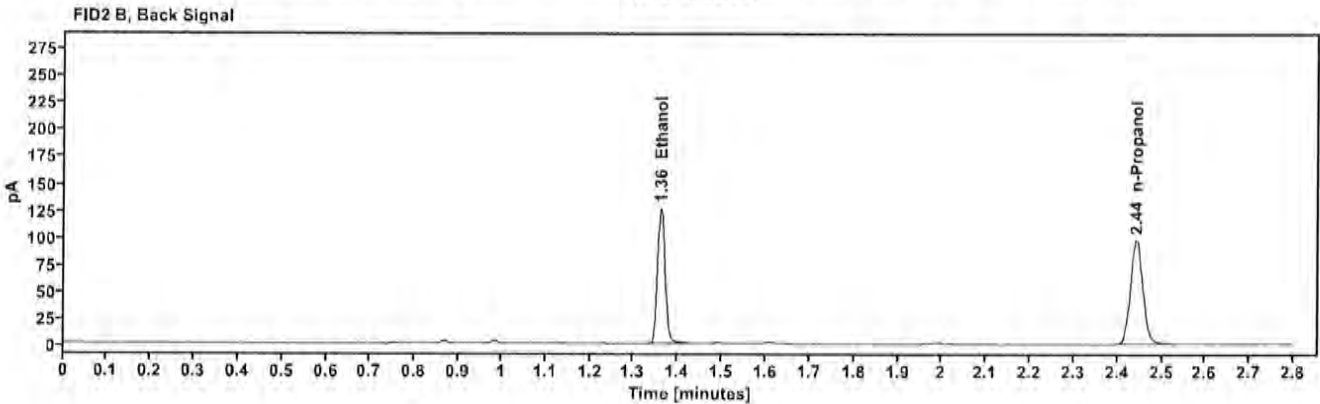
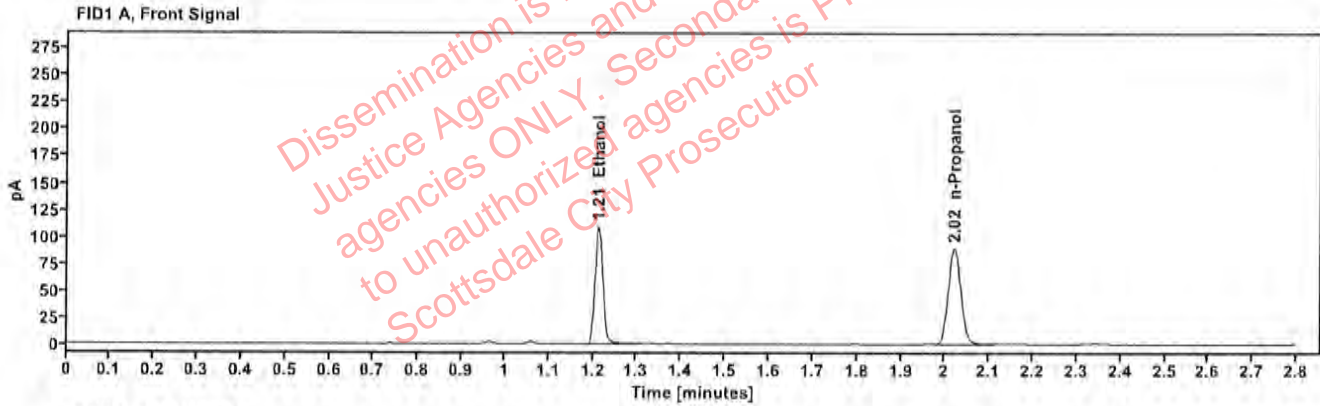


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2218	1.213	138.253
n-Propanol	—	2.021	178.685

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

Compound	Time (min)	Peak Area
Ethanol	1.361	151.883
n-Propanol	2.443	192.974

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405439-1	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:15:08 PM
Data file:	C:\Chem32\1\Data\18Mar24\38.D	Analyst:	Canonico

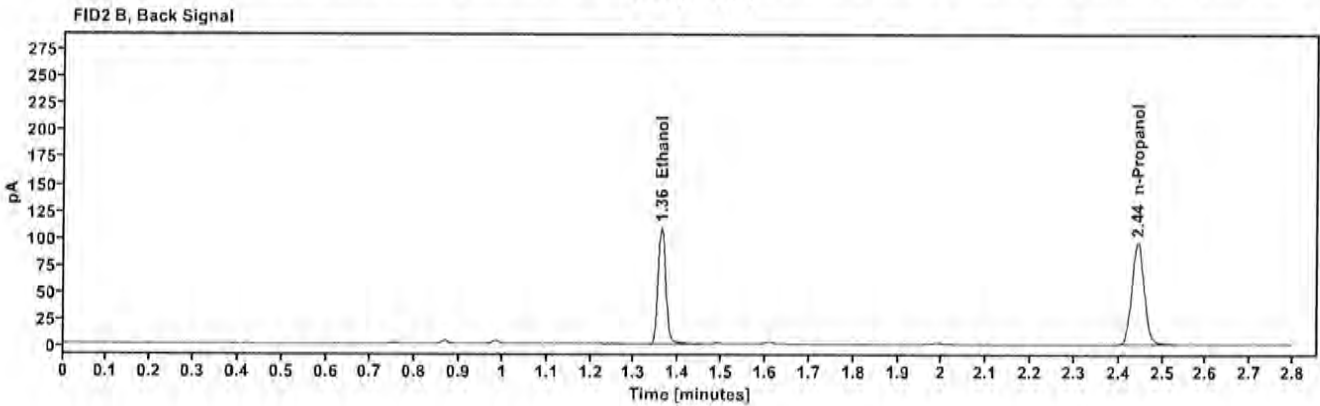
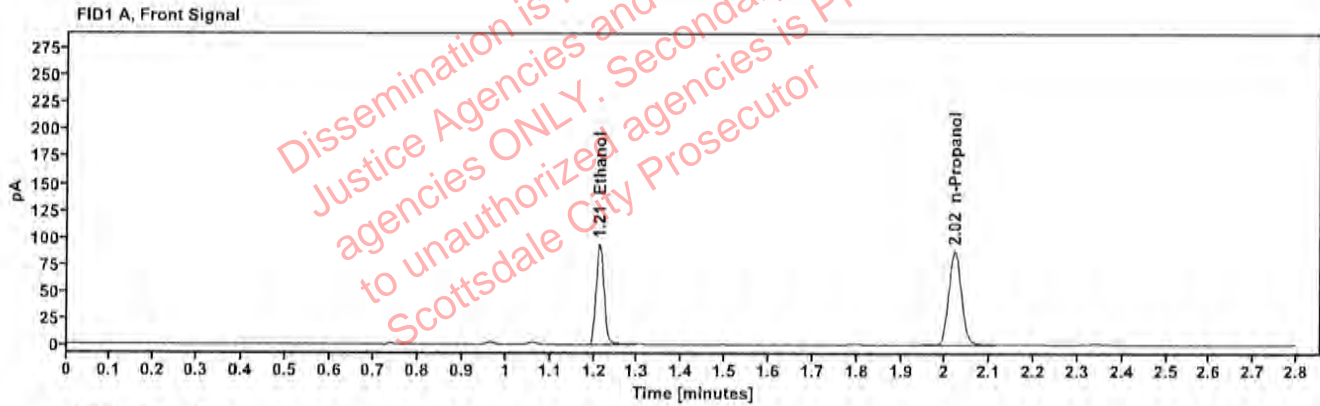


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1940	1.213	118.887
n-Propanol	—	2.021	175.810

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

Compound	Time (min)	Peak Area
Ethanol	1.361	131.782
n-Propanol	2.443	188.753

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405439-1	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:19:09 PM
Data file:	C:\Chem32\1\Data\18Mar24\39.D	Analyst:	Canonico

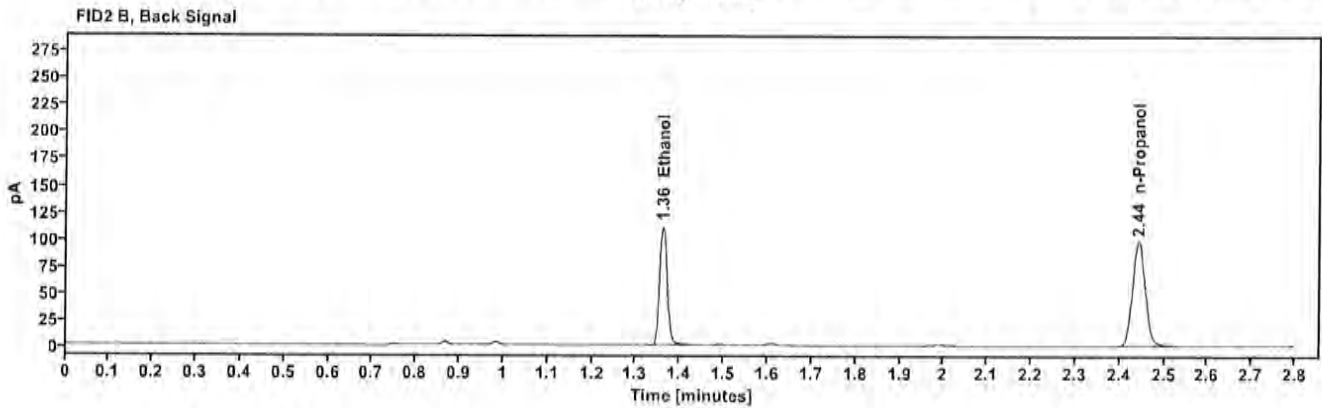
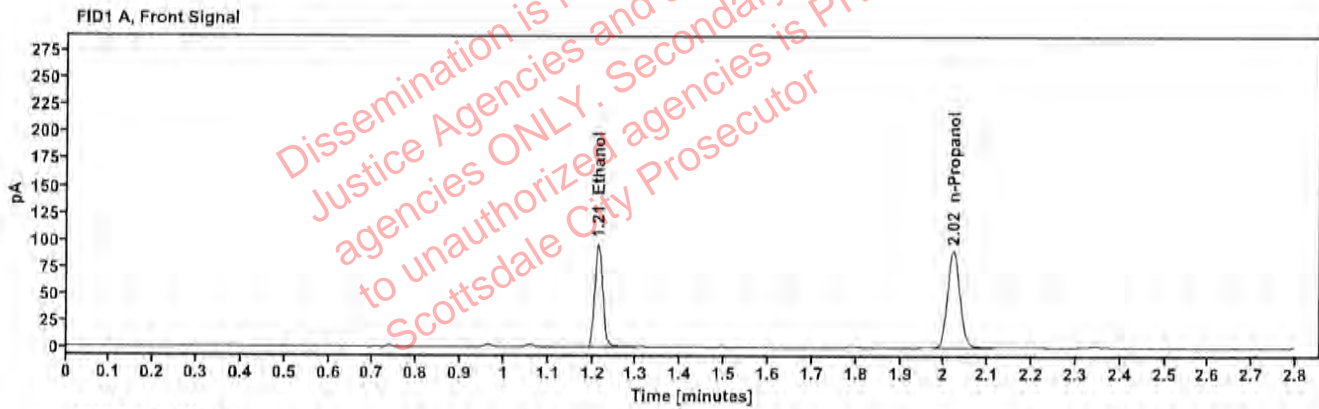


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1941	1.213	122.063
n-Propanol	—	2.021	180.442

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

Compound	Time (min)	Peak Area
Ethanol	1.361	133.941
n-Propanol	2.443	194.187

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405381-1	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:23:08 PM
Data file:	C:\Chem32\1\Data\18Mar24\40.D	Analyst:	Canonico

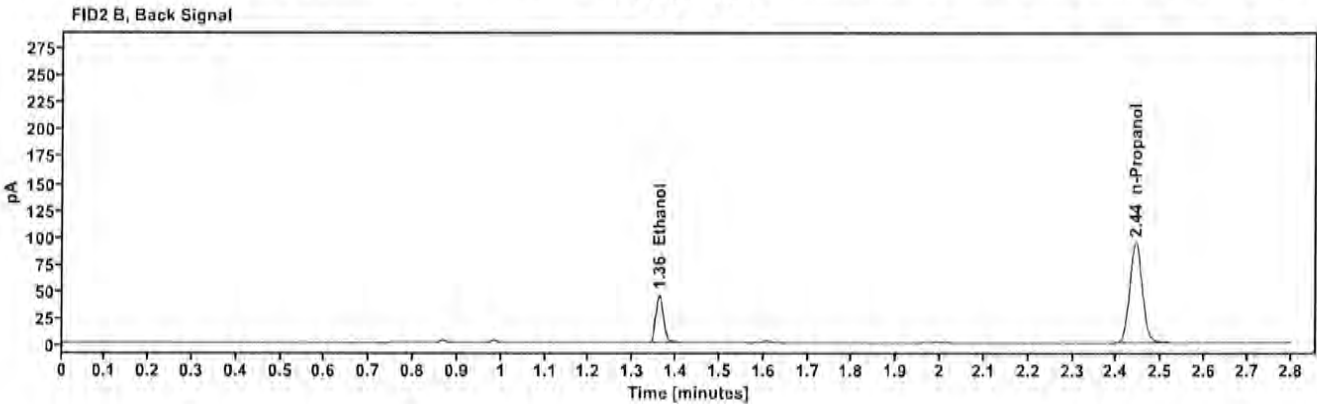
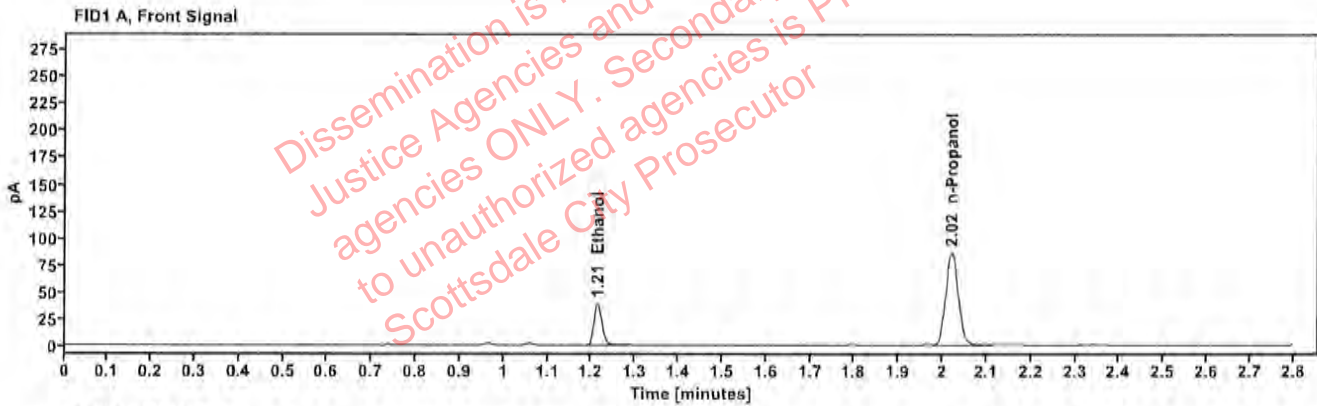


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0831	1.213	49.409
n-Propanol	—	2.020	172.356

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

Compound	Time (min)	Peak Area
Ethanol	1.361	54.289
n-Propanol	2.442	186.219

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2405381-1	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Mar24
Instrument:	US14173023 CN14160045	Injection date:	3/18/2024 4:27:08 PM
Data file:	C:\Chem32\1\Data\18Mar24\41.D	Analyst:	Canonico

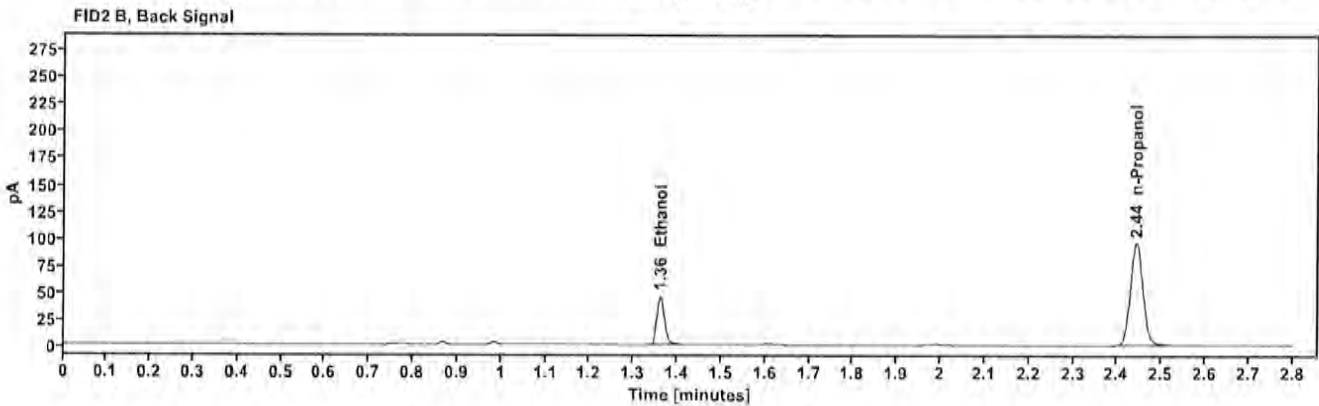
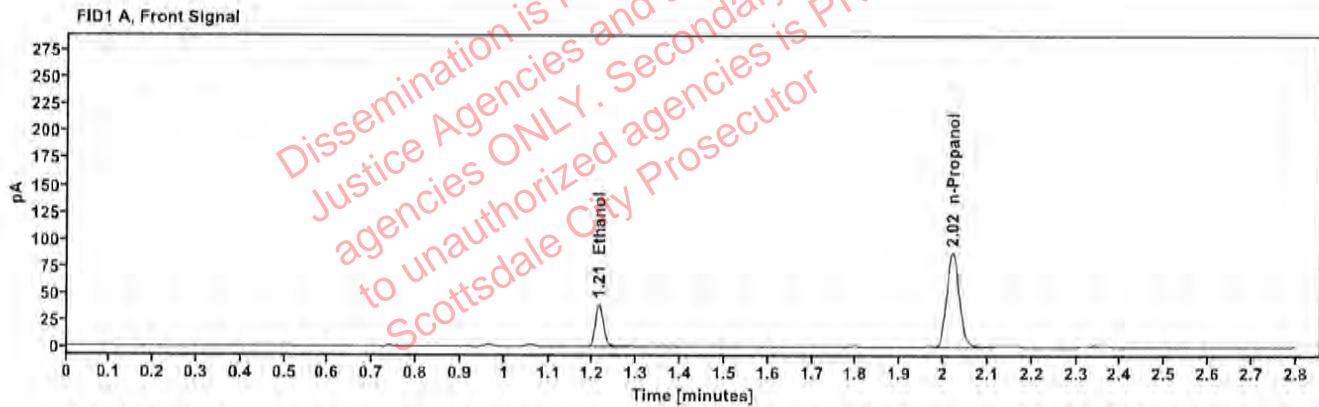


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0831	1.213	50.291
n-Propanol	—	2.020	175.277

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

Compound	Time (min)	Peak Area
Ethanol	1.361	55.181
n-Propanol	2.442	189.763