

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 2/1/22 SEQUENCE NAME 01Feb22

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN06141806 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN05311902 0.99999
 Vial 3 0.20 calibrator Lot FN05101903
 Vial 4 0.40 calibrator Lot FN10051906

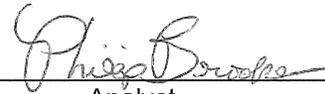
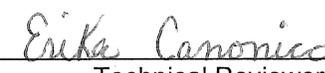
CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 010722AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/2
20	Aqueous control	0.080 g/dL	0.082 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/2
45	Blank	Not detected	Not detected	SPD Lab 101921WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid
 Run valid Run invalid
 Analyst  Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

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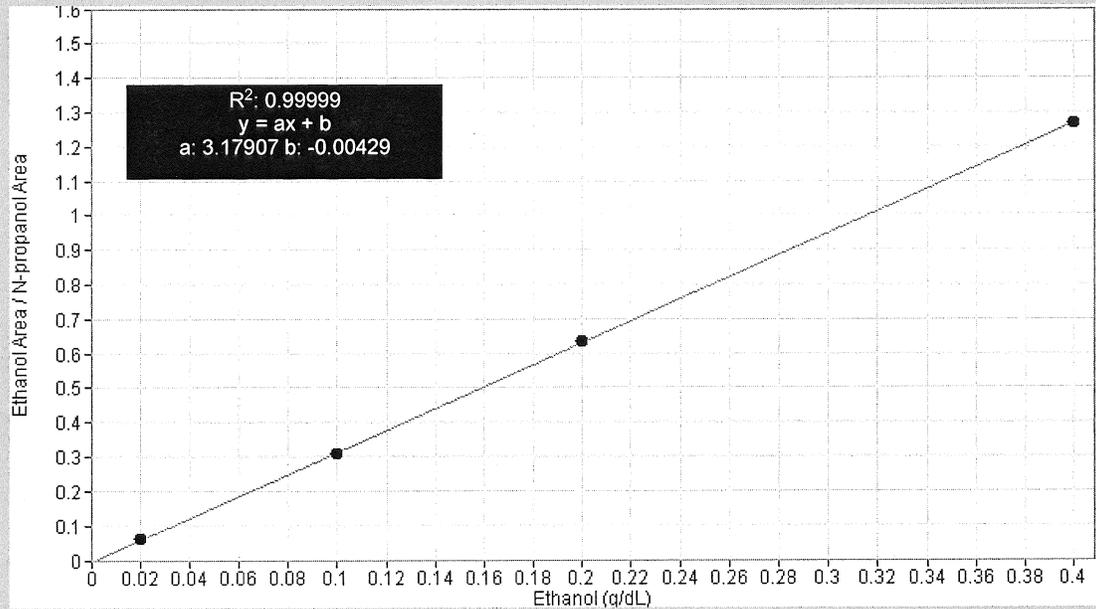
SEQUENCE NAME: 01Feb22

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 010722AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.400	0.400	0.00	0.000
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/2	9	0.202	0.199	1.51	0.003
0.080 20012020-B	20	0.082	0.080	2.50	0.002
0.080 20012020-B	31	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.398	0.400	0.50	-0.002
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 4110320133/2	44	0.202	0.199	1.51	0.003
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.713	193.823	0.060
0.100	61.140	196.548	0.311
0.200	123.594	195.191	0.633
0.400	243.614	192.263	1.267

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06141806	Vial: 1
Description: 0.020 calibrator	Sequence: 01Feb22
Method: ethanol quant.M	Injection date: 2/1/2022 10:56:34 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>JB</i>
Data file: C:\Chem32\1\Data\01Feb22\1.D	

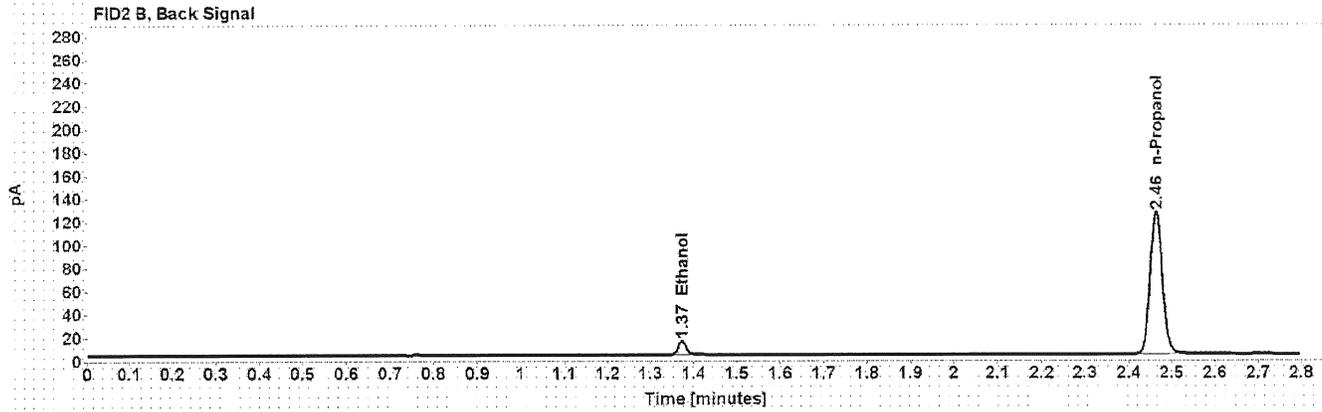
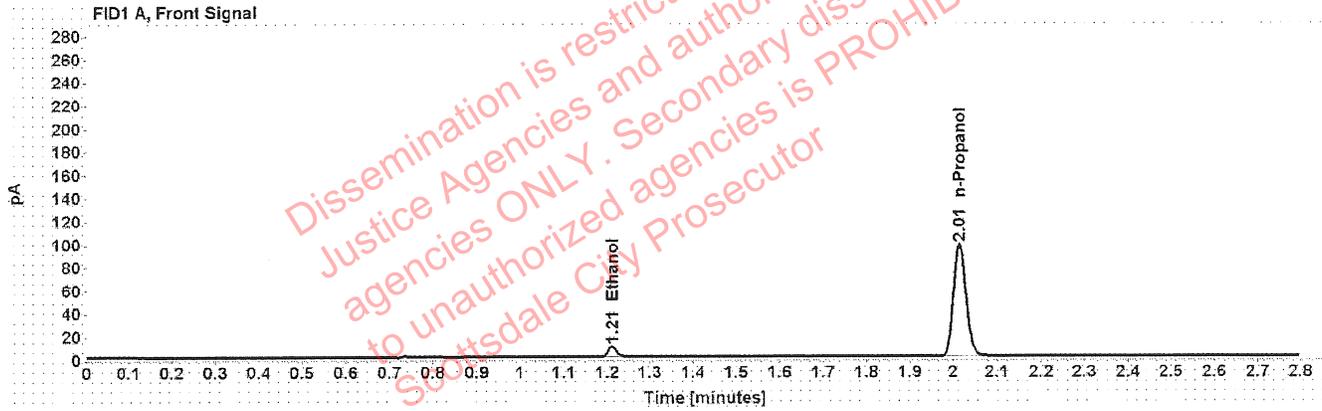


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.713
n-Propanol	2.014	193.823

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

Compound	Time (min)	Peak Area
Ethanol	1.373	14.876
n-Propanol	2.464	246.036

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05311902	Vial: 2
Description: 0.100 calibrator	Sequence: 01Feb22
Method: ethanol quant.M	Injection date: 2/1/2022 11:00:35 AM
Instrument: US14173023 CN14160045	Analyst: Brooke B
Data file: C:\Chem32\1\Data\01Feb22\2.D	

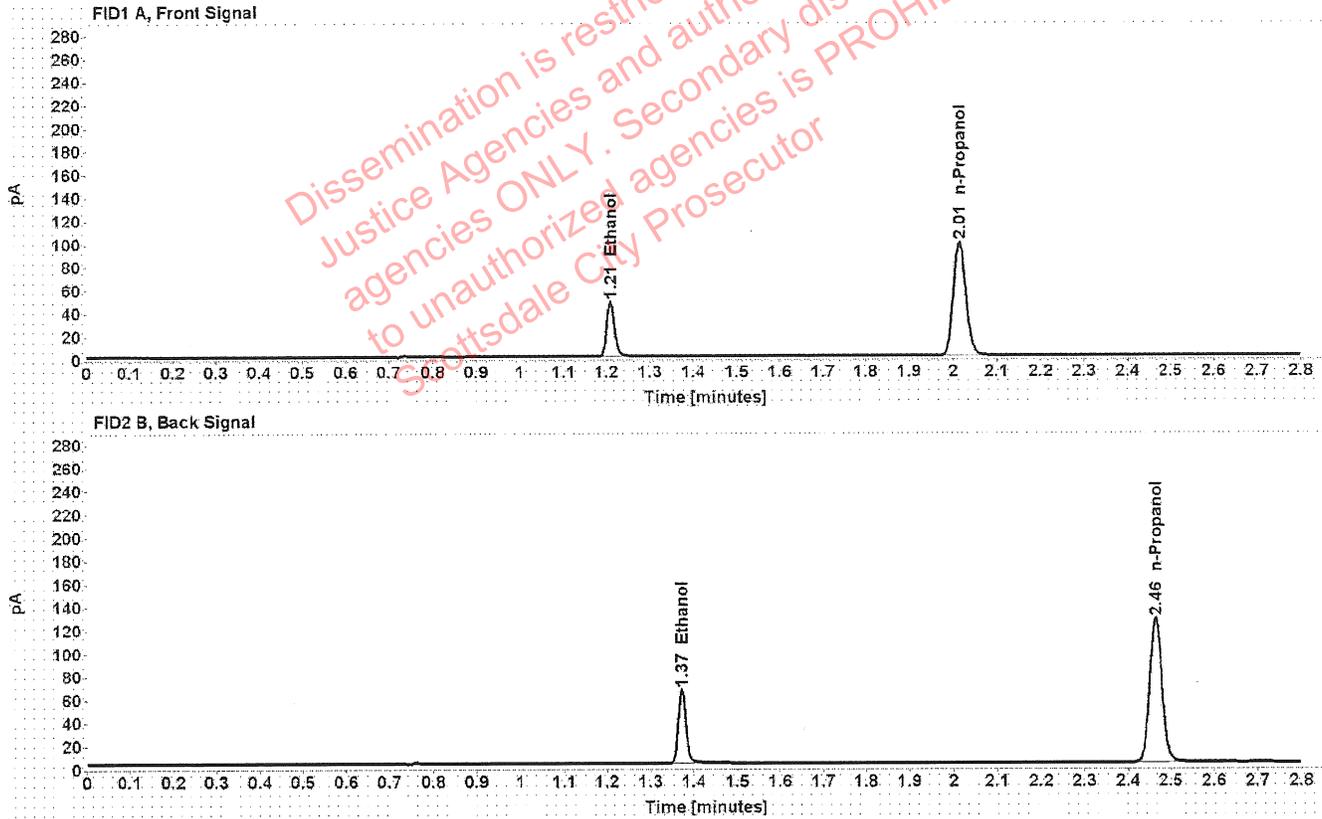


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	61.140
n-Propanol	2.015	196.548

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

Compound	Time (min)	Peak Area
Ethanol	1.372	77.520
n-Propanol	2.464	249.414

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05101903	Vial:	3
Description:	0.200 calibrator	Sequence:	01Feb22
Method:	ethanol quant.M	Injection date:	2/1/2022 11:04:35 AM
Instrument:	US14173023 CN14160045	Analyst:	Brooke <i>VB</i>
Data file:	C:\Chem32\1\Data\01Feb22\3.D		

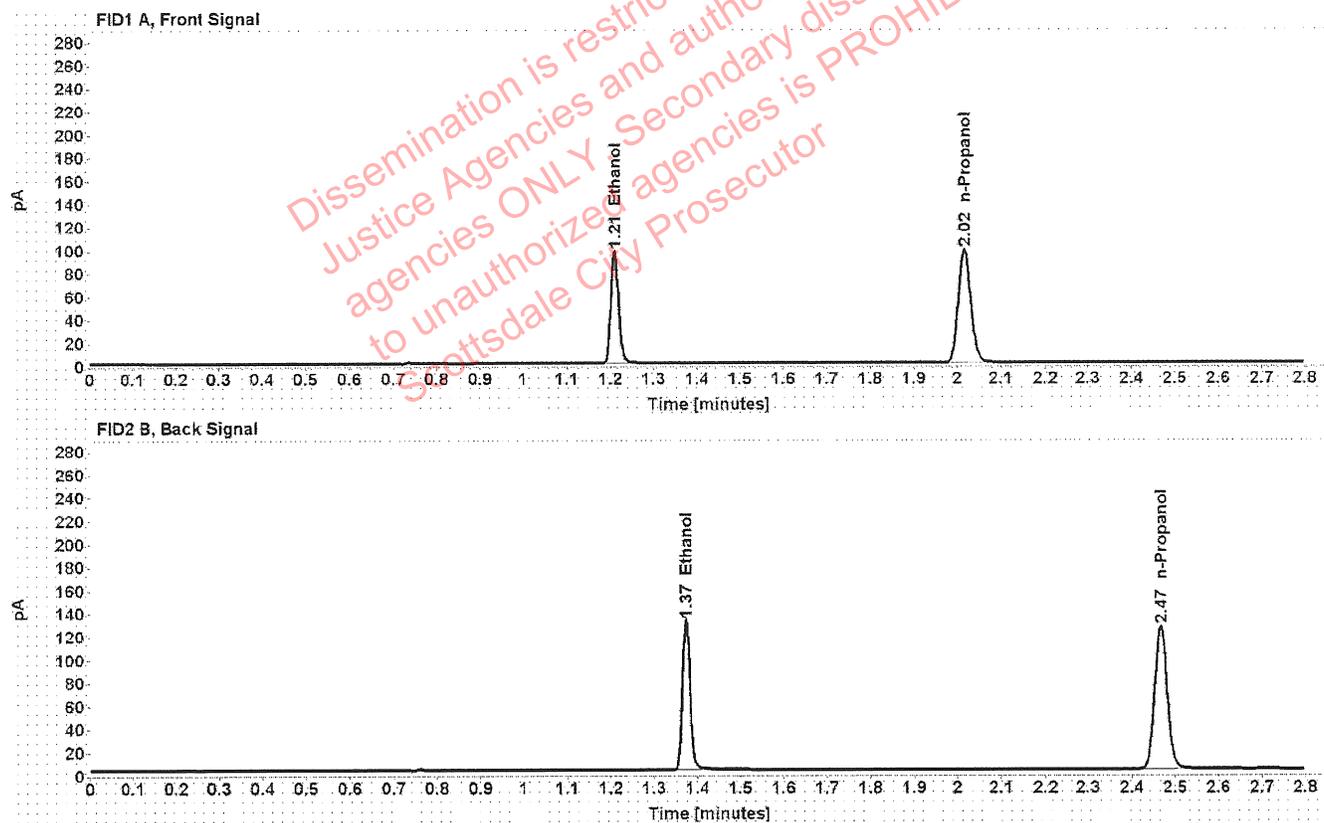


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	123.594
n-Propanol	2.016	195.191

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

Compound	Time (min)	Peak Area
Ethanol	1.374	156.861
n-Propanol	2.466	247.646

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051906	Vial: 4
Description: 0.400 calibrator	Sequence: 01Feb22
Method: ethanol quant.M	Injection date: 2/1/2022 11:08:35 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>YB</i>
Data file: C:\Chem32\1\Data\01Feb22\4.D	

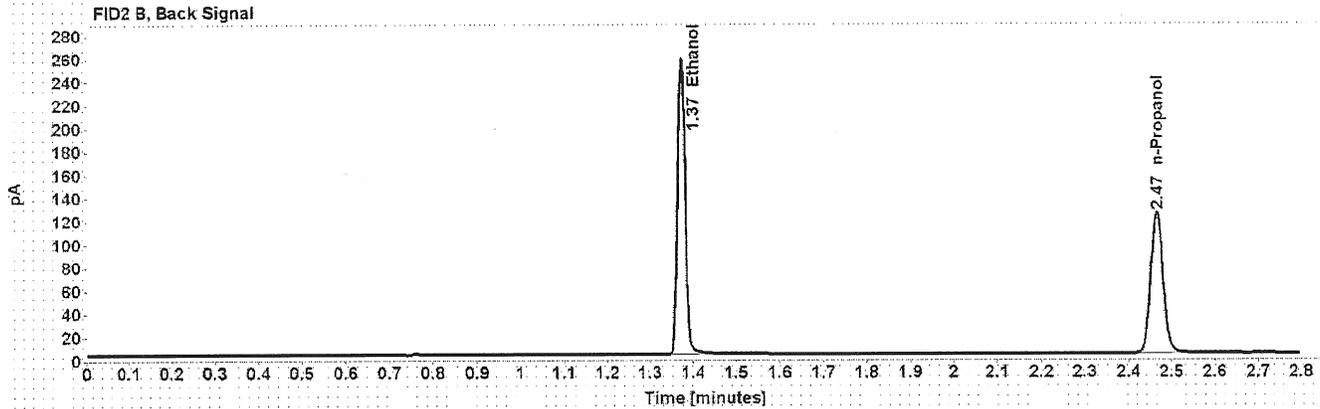
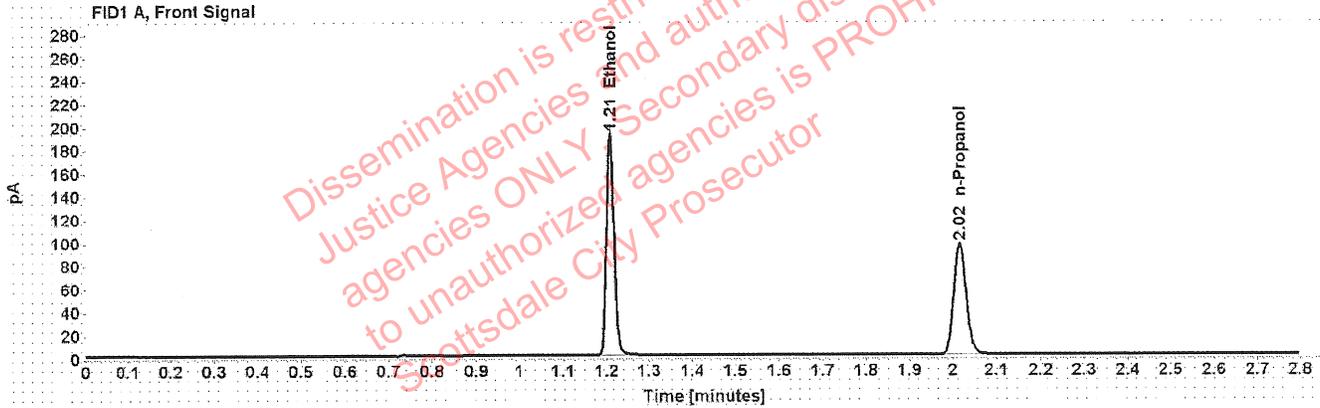


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	243.614
n-Propanol	2.015	192.263

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

Compound	Time (min)	Peak Area
Ethanol	1.372	309.675
n-Propanol	2.466	243.897

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 010722AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 01Feb22
Instrument: US14173023 CN14160045	Injection date: 2/1/2022 11:12:34 AM
Data file: C:\Chem32\1\Data\01Feb22\5.D	Analyst: Brooke <i>RB</i>

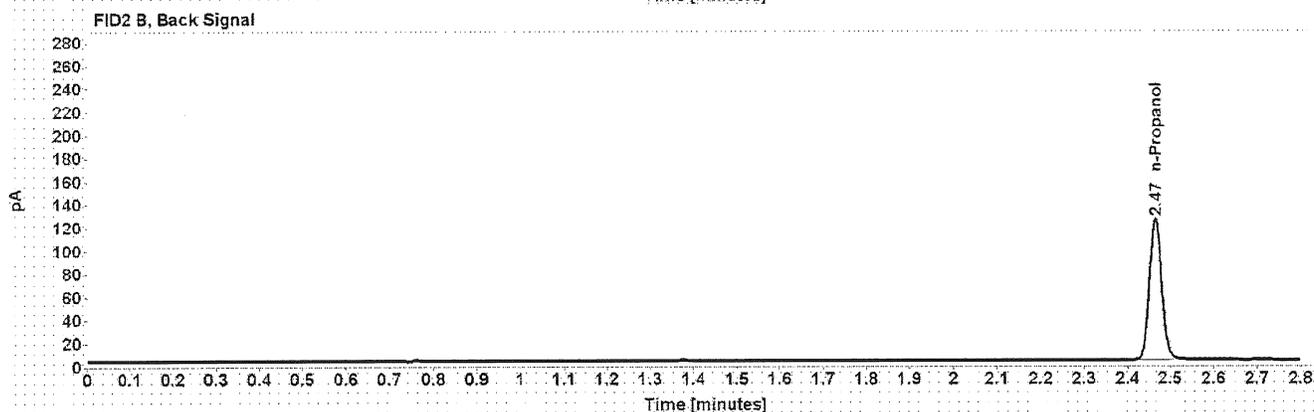
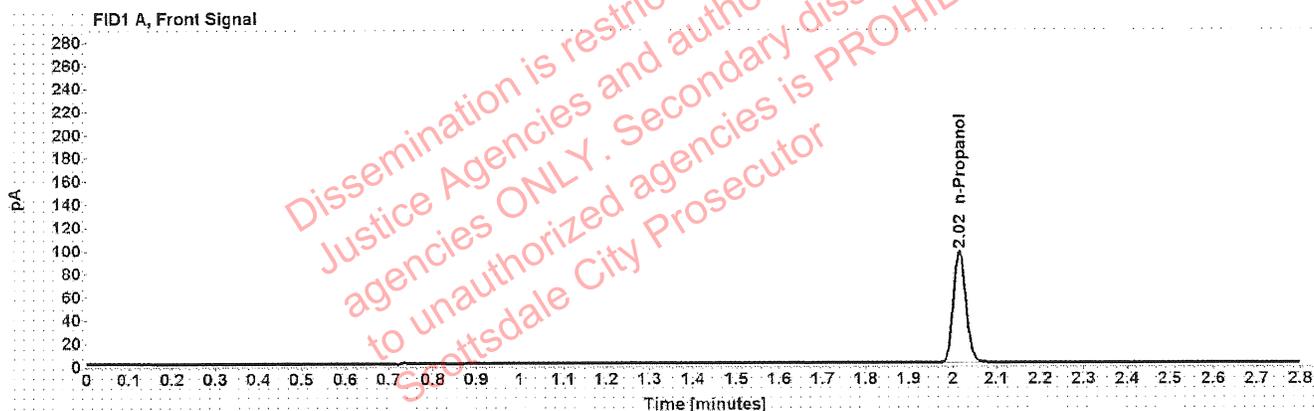


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	192.482

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	244.124

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:16:35 AM
Data file:	C:\Chem32\1\Data\01Feb22\6.D	Analyst:	Brooke ¹⁹⁸

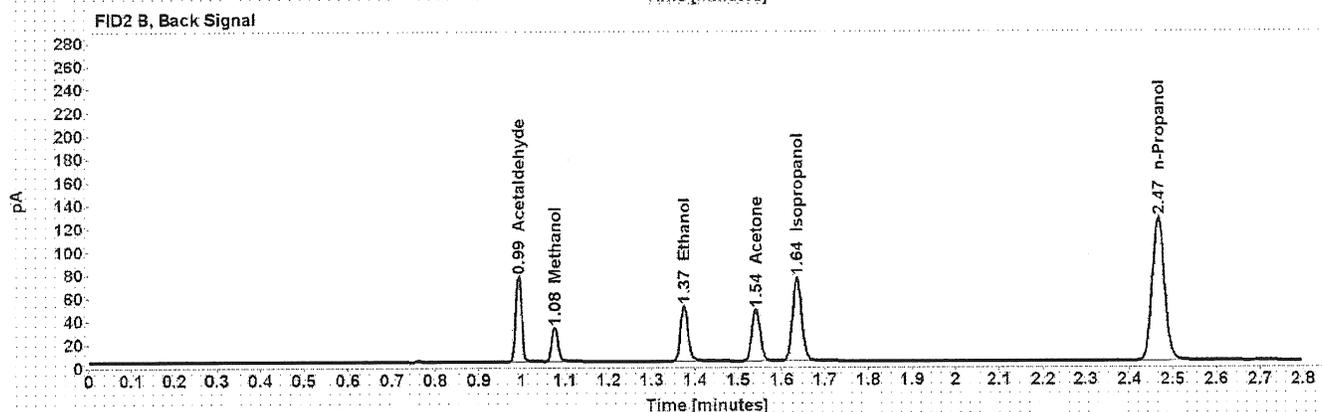
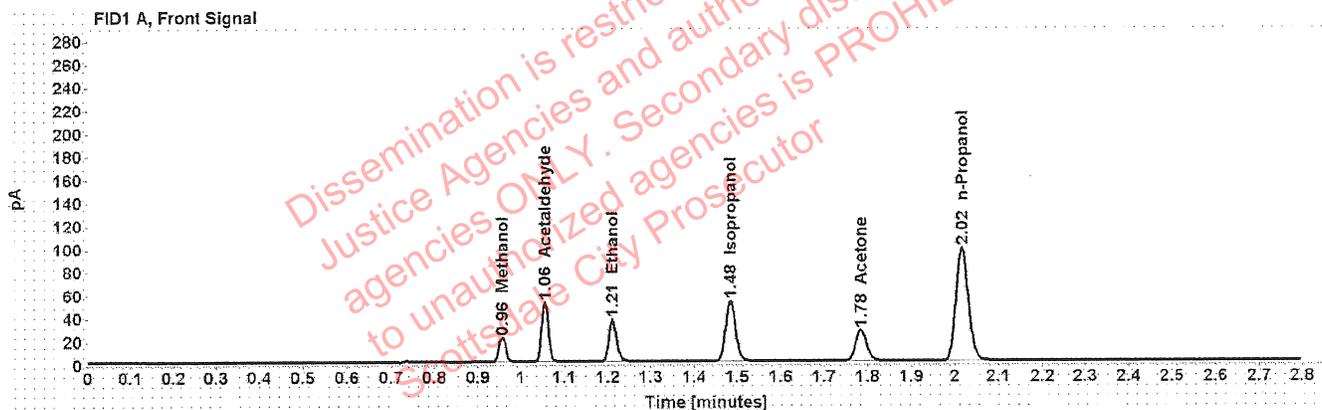


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	23.979
Acetaldehyde	-----	1.055	56.373
>Ethanol	0.0759	1.211	46.283
Isopropanol	-----	1.484	83.664
Acetone	-----	1.784	46.217
n-Propanol	-----	2.016	195.158

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	72.942
Methanol	1.076	31.152
Ethanol	1.374	58.628
Acetone	1.540	58.819
Isopropanol	1.636	108.225
n-Propanol	2.467	247.402

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:20:49 AM
Data file:	C:\Chem32\1\Data\01Feb22\7.D	Analyst:	Brooke <i>YB</i>

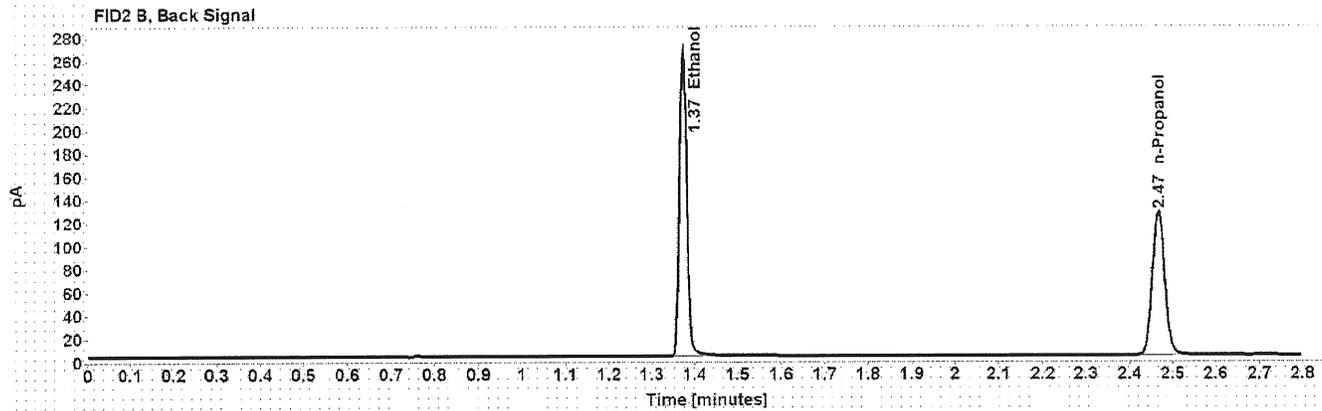
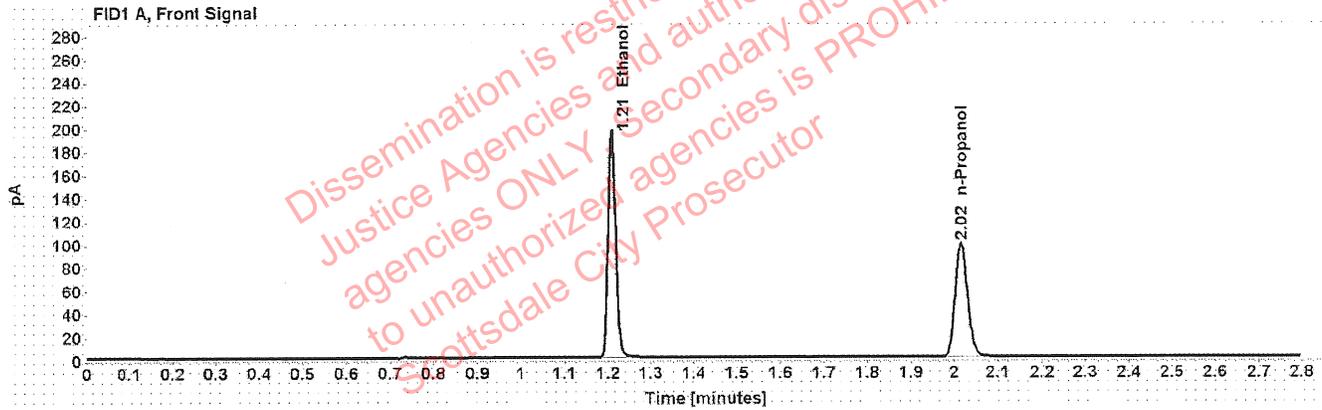


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4002	1.209	249.309
n-Propanol	-----	2.016	196.634

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

Compound	Time (min)	Peak Area
Ethanol	1.373	317.283
n-Propanol	2.466	249.234

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:24:49 AM
Data file:	C:\Chem32\1\Data\01Feb22\8.D	Analyst:	Brooke <i>YBS</i>

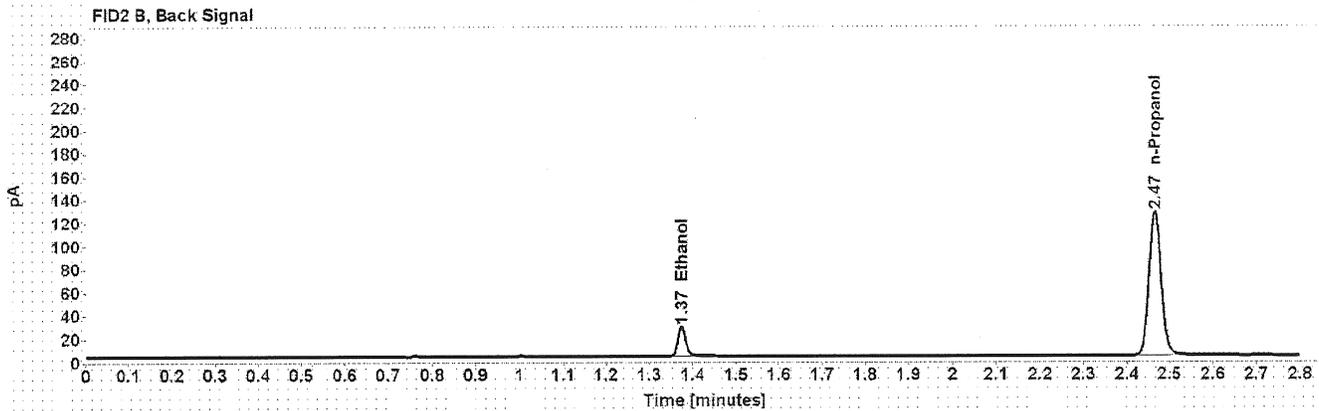
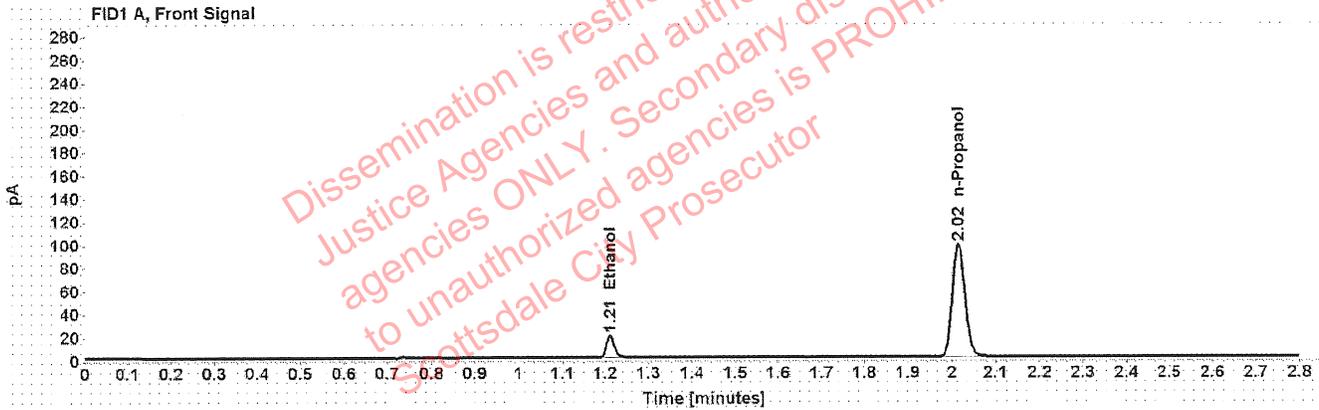


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.211	24.469
n-Propanol	-----	2.015	195.305

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.986
n-Propanol	2.466	247.762

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/2	Vial:	9
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:28:50 AM
Data file:	C:\Chem32\1\Data\01Feb22\9.D	Analyst:	Brooke <i>RB</i>

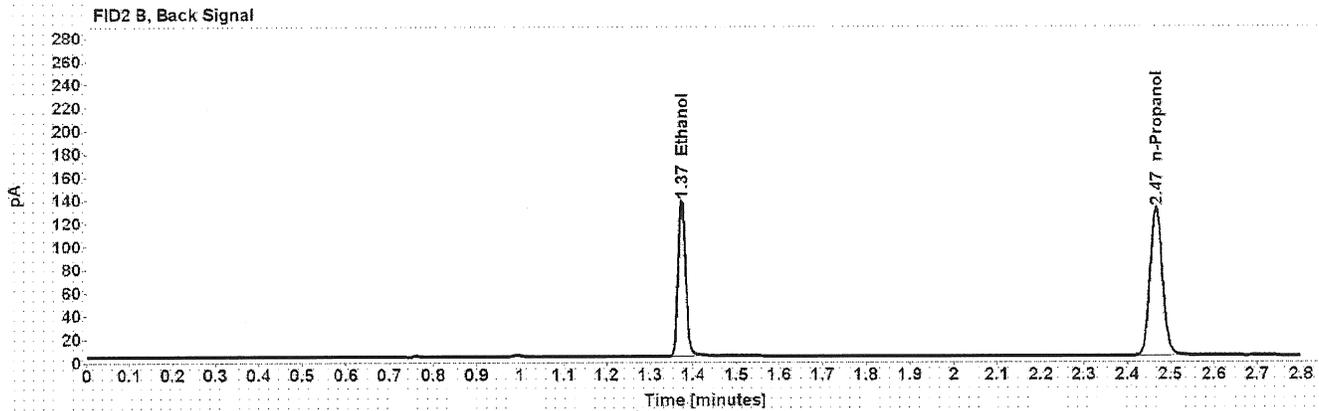
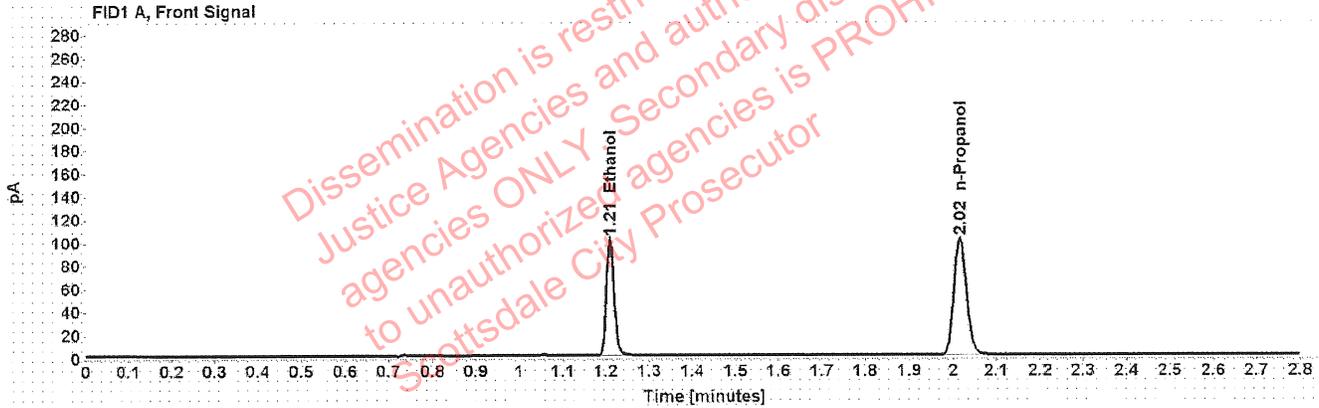


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2025	1.210	128.948
n-Propanol	-----	2.016	201.639

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

Compound	Time (min)	Peak Area
Ethanol	1.374	163.341
n-Propanol	2.467	256.008

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 01Feb22
Instrument: US14173023 CN14160045	Injection date: 2/1/2022 12:13:20 PM
Data file: C:\Chem32\1\Data\01Feb22\20.D	Analyst: Brooke ^{TR}

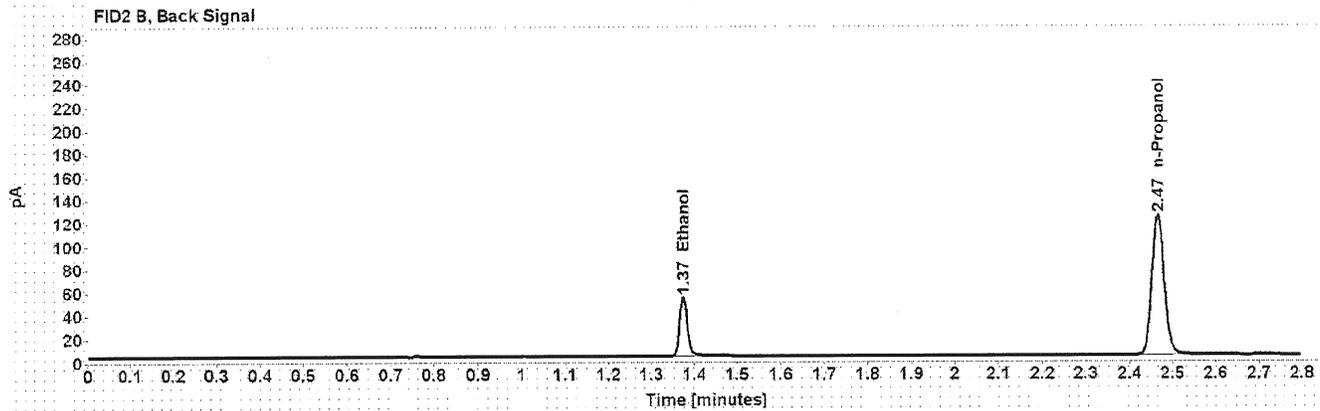
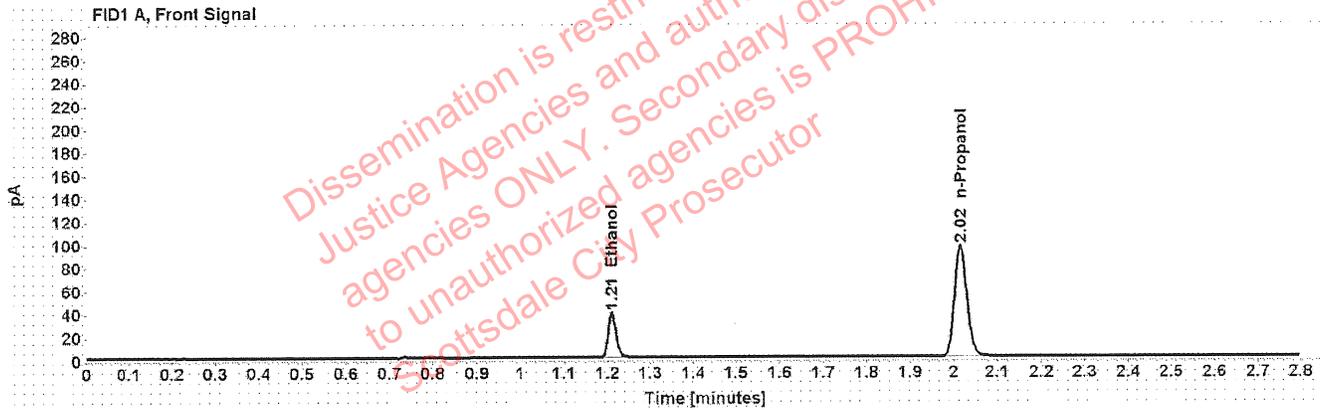


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0827	1.211	49.488
n-Propanol	-----	2.016	191.469

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.732
n-Propanol	2.466	242.907

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:57:49 PM
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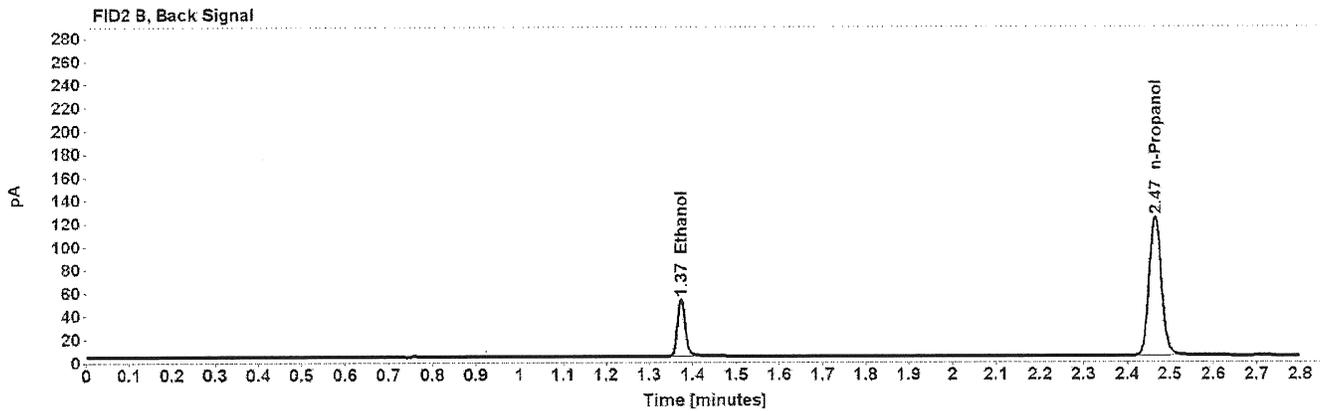
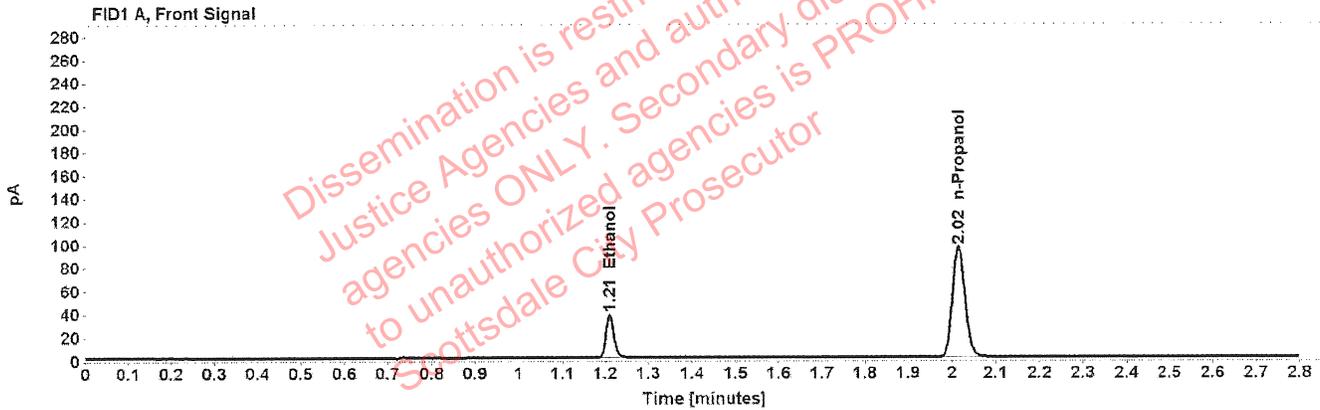


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0802	1.210	47.844
n-Propanol	-----	2.015	190.766

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

Compound	Time (min)	Peak Area
Ethanol	1.373	60.572
n-Propanol	2.465	241.730

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 01Feb22
Instrument: US14173023 CN14160045	Injection date: 2/1/2022 1:42:05 PM
Data file: C:\Chem32\1\Data\01Feb22\42.D	Analyst: Brooke PB

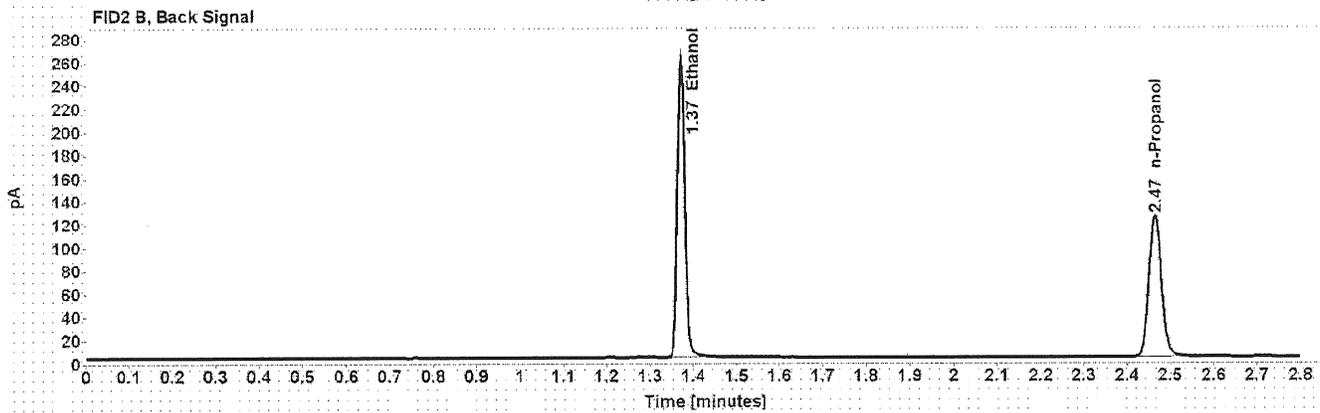
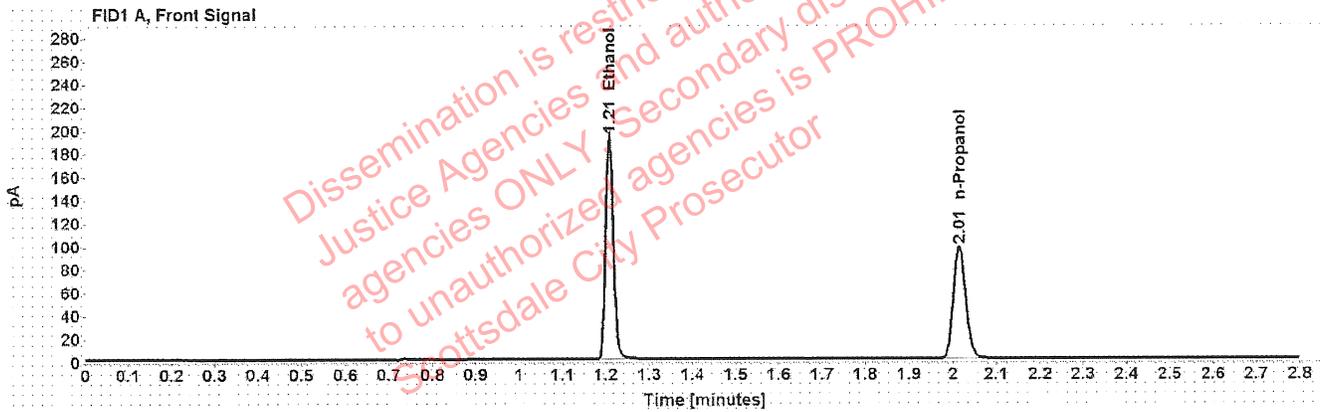


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3986	1.208	244.471
n-Propanol	-----	2.015	193.578

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

Compound	Time (min)	Peak Area
Ethanol	1.372	311.145
n-Propanol	2.465	245.651

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:46:20 PM
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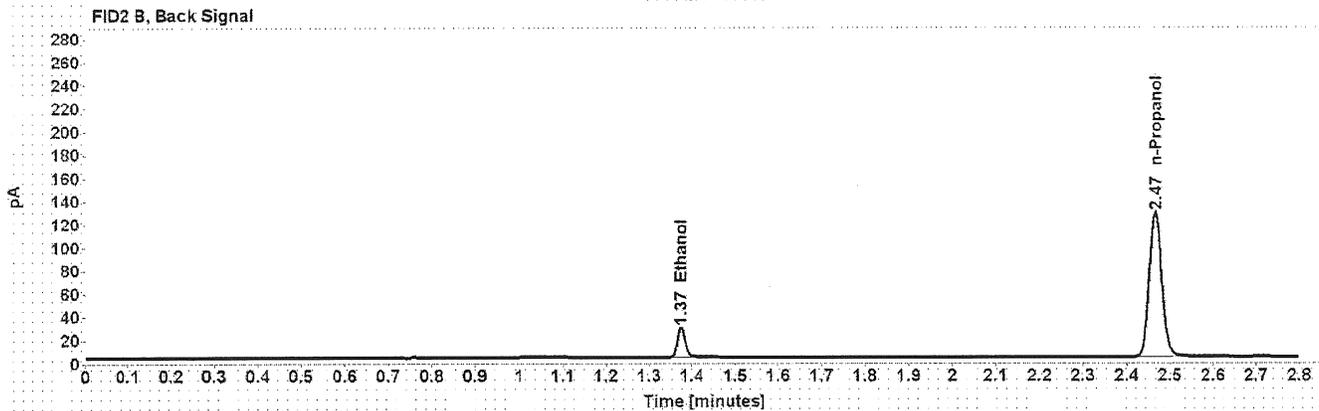
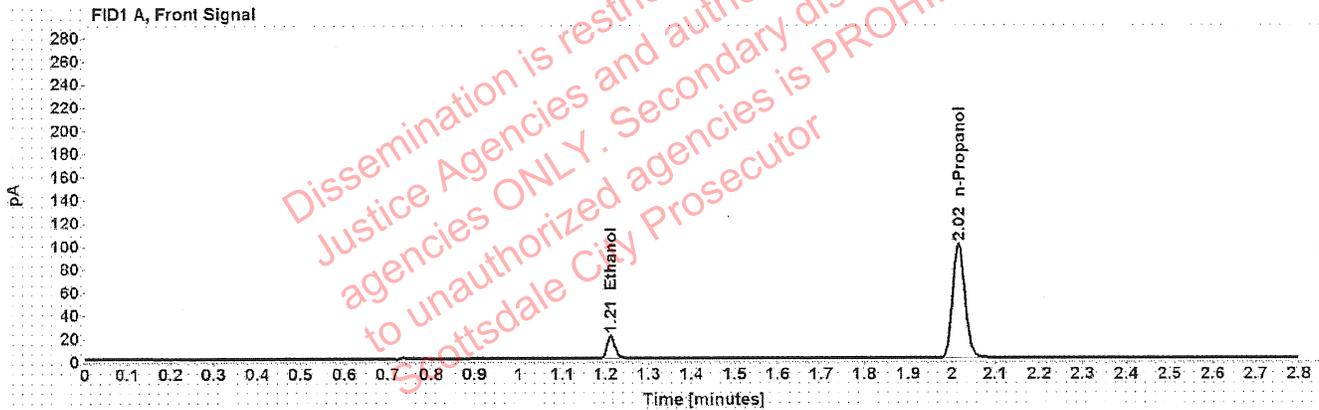


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0415	1.212	25.310
n-Propanol	-----	2.016	198.419

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

Compound	Time (min)	Peak Area
Ethanol	1.375	32.029
n-Propanol	2.466	251.430

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/2	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 01Feb22
Instrument: US14173023 CN14160045	Injection date: 2/1/2022 1:50:19 PM
Data file: C:\Chem32\1\Data\01Feb22\44.D	Analyst: Brooke <i>BB</i>

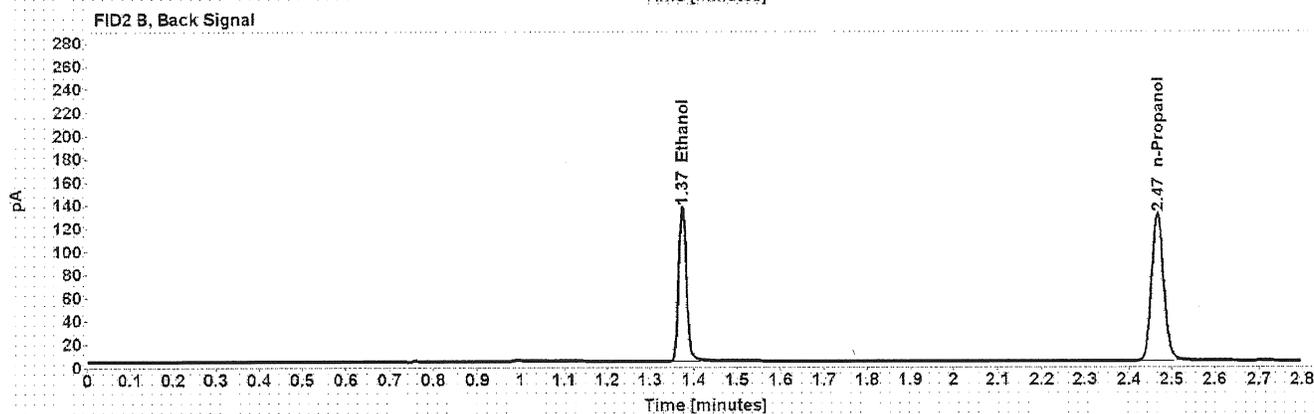
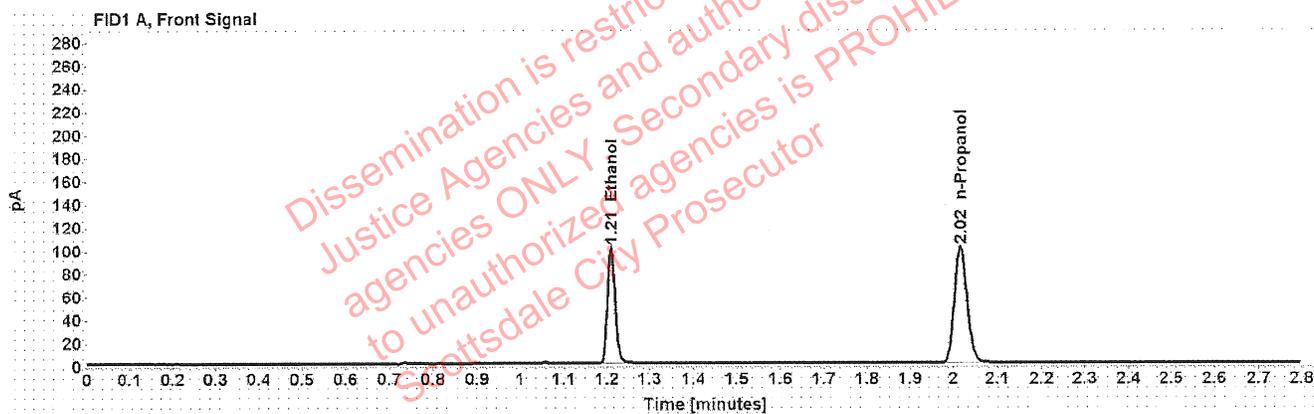


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2026	1.210	128.704
n-Propanol	-----	2.016	201.191

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

Compound	Time (min)	Peak Area
Ethanol	1.374	163.638
n-Propanol	2.467	255.039

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:54:19 PM
Data file:	C:\Chem32\1\Data\01Feb22\45.D	Analyst:	Brooke <i>BB</i>

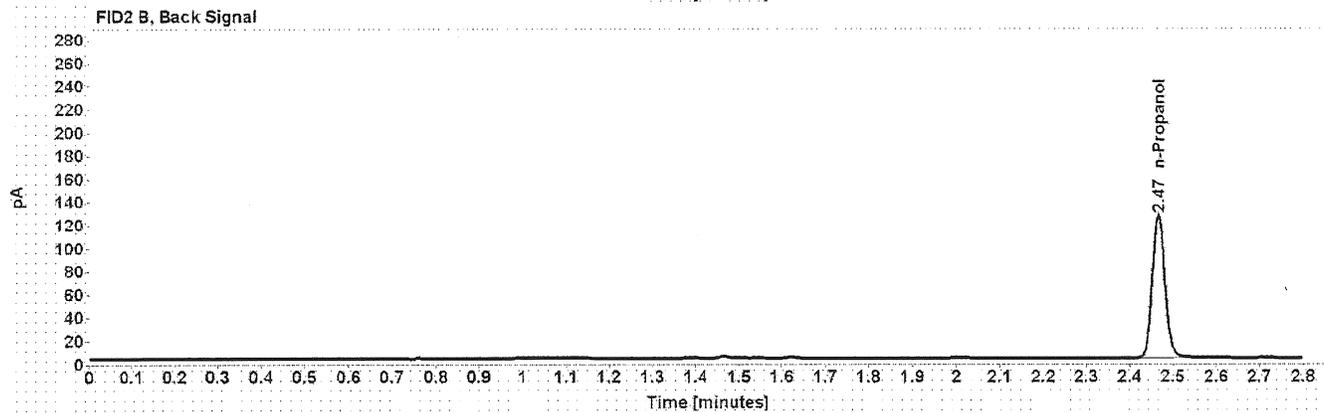


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	195.280

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	248.335

Sequence Summary

Sequence name: 01Feb22 Instrument: US14173023 CN14160045 Analyst: Brooke PB

Vial	Sample	Description	Type	LIMS ID	Method
1	FN06141806	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN05101903	0.200 calibrator	Calibration		ethanol quant.M
4	FN10051906	0.400 calibrator	Calibration		ethanol quant.M
5	010722AQ	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/2	0.199	Control		ethanol quant.M
10	1405284		Sample		ethanol quant.M
11	1405284		Sample		ethanol quant.M
12	1405901		Sample		ethanol quant.M
13	1405901		Sample		ethanol quant.M
14	1406096		Sample		ethanol quant.M
15	1406096		Sample		ethanol quant.M
16	1405983		Sample		ethanol quant.M
17	1405983		Sample		ethanol quant.M
18	1406196		Sample		ethanol quant.M
19	1406196		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1406851		Sample		ethanol quant.M
22	1406851		Sample		ethanol quant.M
23	1406462		Sample		ethanol quant.M
24	1406462		Sample		ethanol quant.M
25	1406611		Sample		ethanol quant.M
26	1406611		Sample		ethanol quant.M
27	1406561		Sample		ethanol quant.M
28	1406561		Sample		ethanol quant.M
29	1406683		Sample		ethanol quant.M
30	1406683		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1406596		Sample		ethanol quant.M
33	1406596		Sample		ethanol quant.M
34	1406607		Sample		ethanol quant.M
35	1406607		Sample		ethanol quant.M
36	1406698		Sample		ethanol quant.M
37	1406698		Sample		ethanol quant.M
38	1378692		Sample		ethanol quant.M
39	1378692		Sample		ethanol quant.M
40	1377626		Sample		ethanol quant.M
41	1377626		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/2	0.199	Control		ethanol quant.M
45	101921WB	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases

7B

SEQUENCE NAME: 01Feb22

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1177	0.1172	0.11745	0.21	0.00025
12 13	0.2256	0.2260	0.22580	0.09	0.00020
14 15	0.2536	0.2541	0.25385	0.10	0.00025
16 17	0.2060	0.2074	0.20670	0.34	0.00070
18 19	0.1964	0.1968	0.19660	0.10	0.00020
21 22	0.2418	0.2397	0.24075	0.44	0.00105
23 24	0.1322	0.1322	0.13220	0.00	0.00000
25 26	0.1050	0.1044	0.10470	0.29	0.00030
27 28	0.0216	0.0213	0.02145	0.70	0.00015
29 30	0.1033	0.1034	0.10335	0.05	0.00005
32 33	0.1334	0.1339	0.13365	0.19	0.00025
34 35	0.1962	0.1964	0.19630	0.05	0.00010
36 37	0.1994	0.1979	0.19865	0.38	0.00075
38 39	0.2422	0.2411	0.24165	0.23	0.00055
40 41	0.1948	0.1956	0.19520	0.20	0.00040

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405284	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:32:49 AM
Data file:	C:\Chem32\1\Data\01Feb22\10.D	Analyst:	Brooke

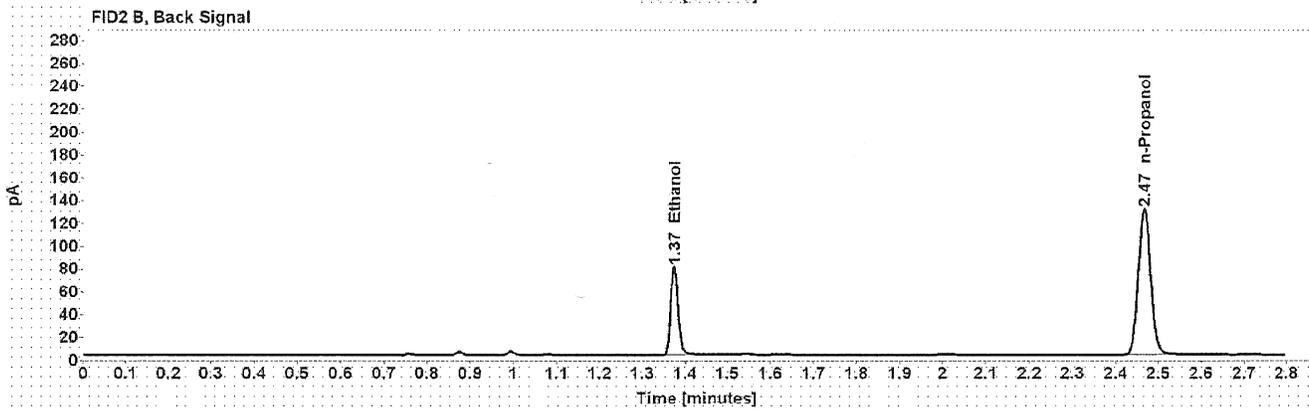
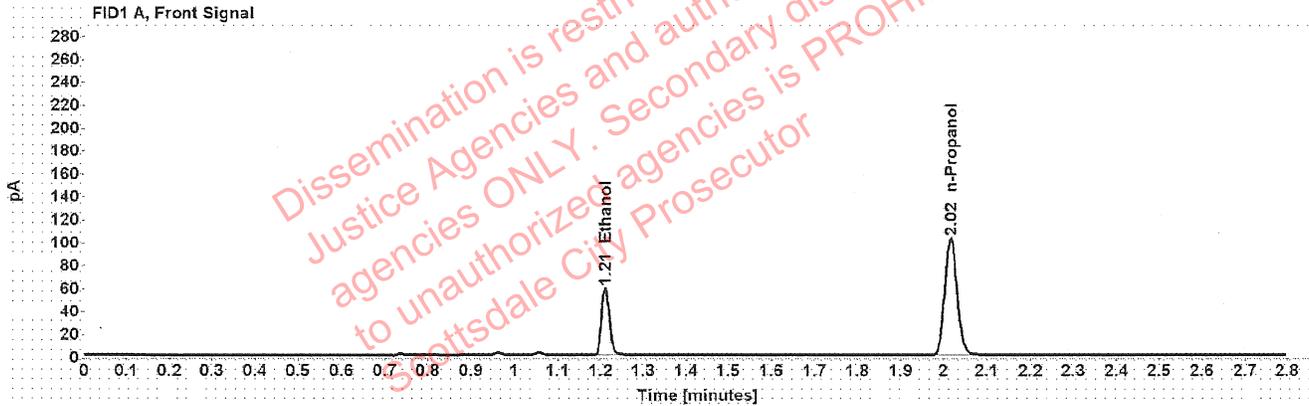


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1177	1.211	74.739
n-Propanol	-----	2.016	202.065

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

Compound	Time (min)	Peak Area
Ethanol	1.374	94.543
n-Propanol	2.467	256.848

[REDACTED] : Brooke, Phillip - (01-Feb-2022)

Case: [REDACTED] User: pbrooke 2/1/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405284	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:36:49 AM
Data file:	C:\Chem32\1\Data\01Feb22\11.D	Analyst:	Brooke

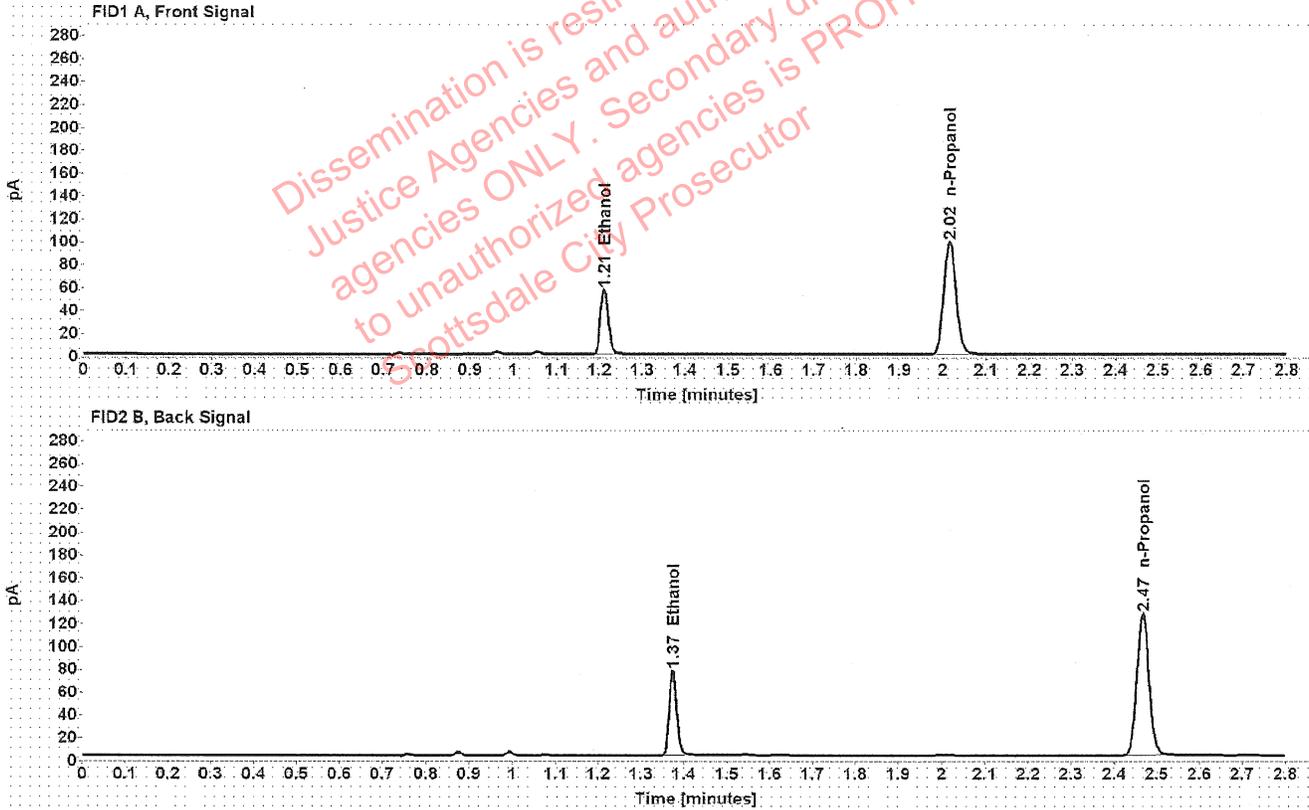


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1172	1.210	71.959
n-Propanol	-----	2.016	195.333

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

Compound	Time (min)	Peak Area
Ethanol	1.374	90.752
n-Propanol	2.467	248.179

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405901	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:40:49 AM
Data file:	C:\Chem32\1\Data\01Feb22\12.D	Analyst:	Brooke

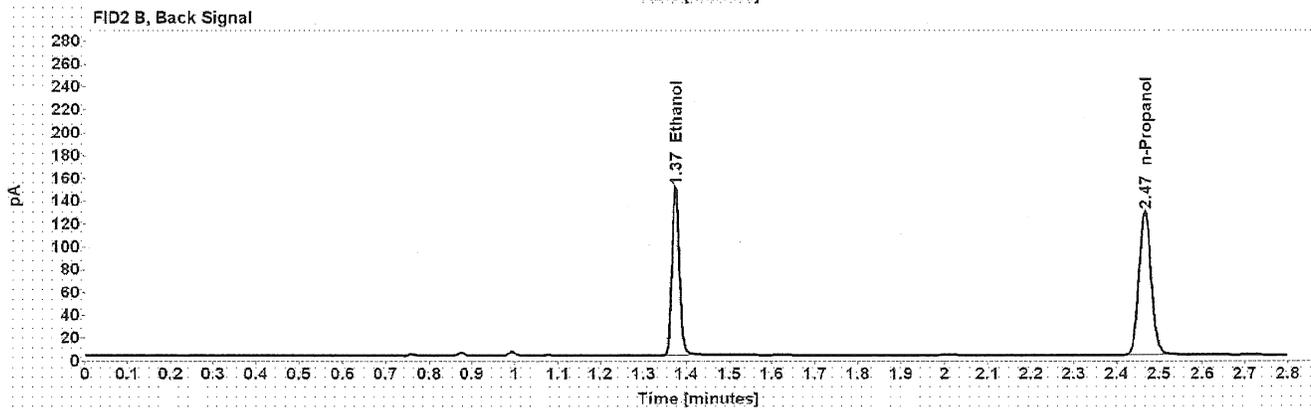
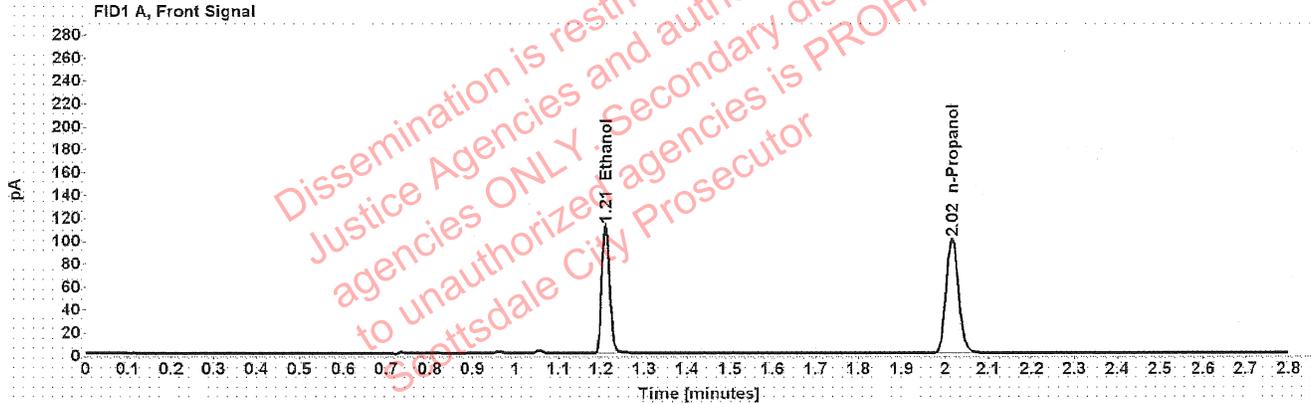


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2256	1.210	141.618
n-Propanol	-----	2.016	198.677

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

Compound	Time (min)	Peak Area
Ethanol	1.374	179.308
n-Propanol	2.467	252.391

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405901	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:45:05 AM
Data file:	C:\Chem32\1\Data\01Feb22\13.D	Analyst:	Brooke

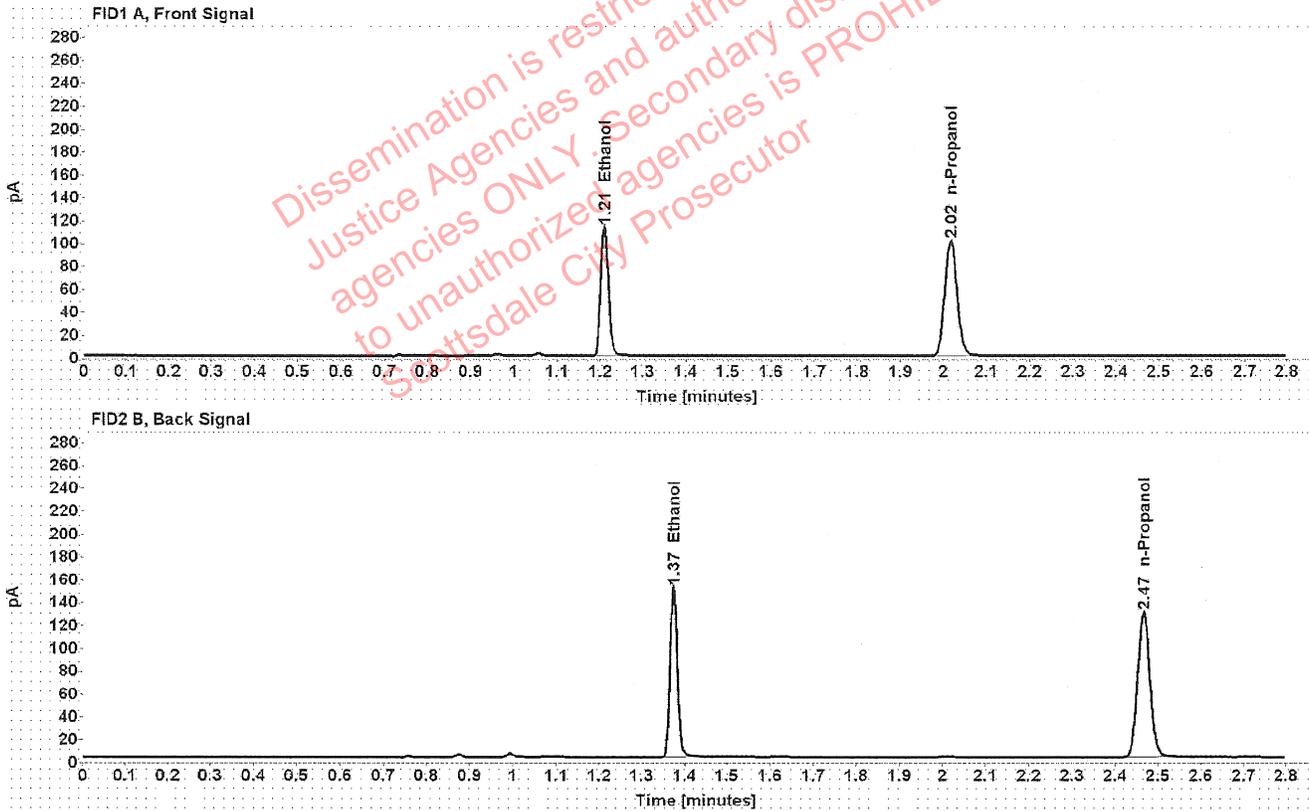


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2260	1.210	143.147
n-Propanol	-----	2.016	200.457

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

Compound	Time (min)	Peak Area
Ethanol	1.374	181.348
n-Propanol	2.467	254.524

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406096	Vial:	14
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:49:04 AM
Data file:	C:\Chem32\1\Data\01Feb22\14.D	Analyst:	Brooke

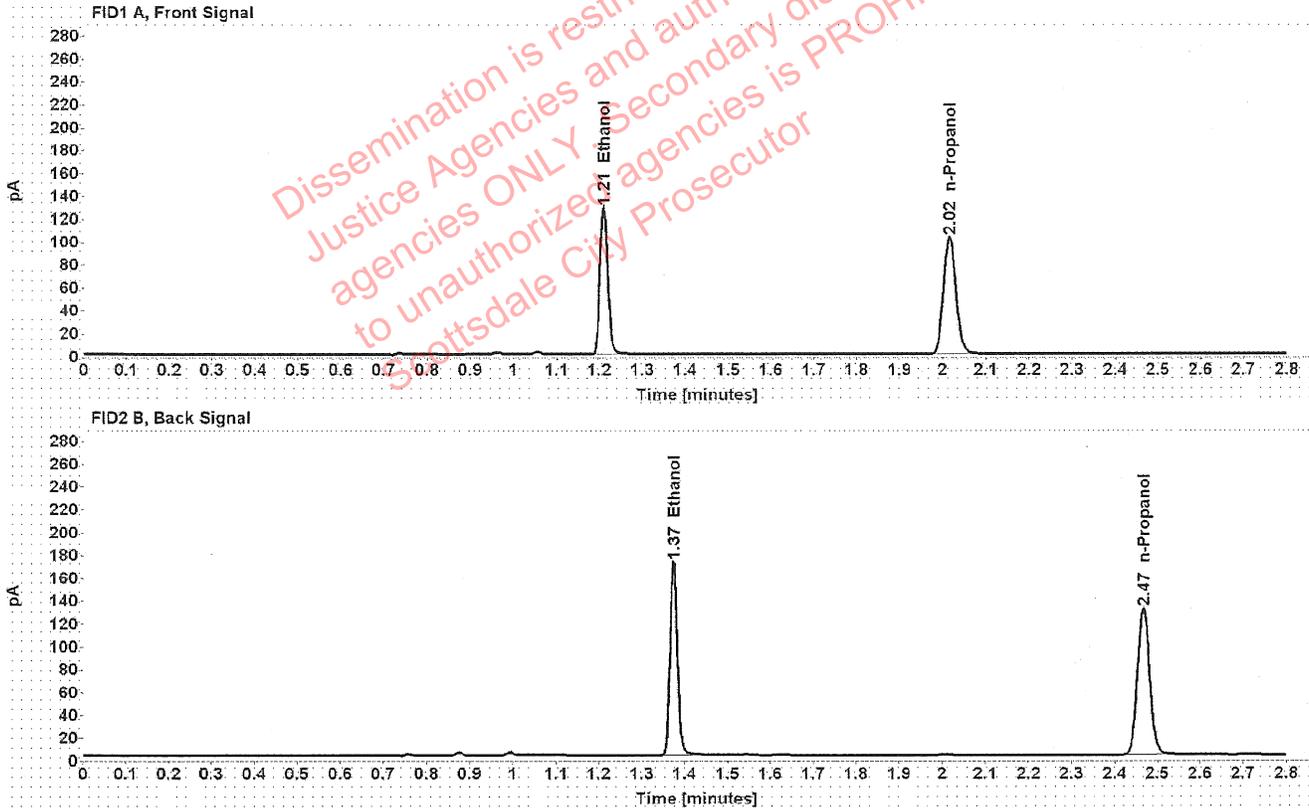


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2536	1.210	162.695
n-Propanol	-----	2.016	202.871

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

Compound	Time (min)	Peak Area
Ethanol	1.374	206.988
n-Propanol	2.467	257.434

[REDACTED] : Brooke, Phillip - (01-Feb-2022)

Case: [REDACTED] User: pbrooke 2/1/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406096	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:53:05 AM
Data file:	C:\Chem32\1\Data\01Feb22\15.D	Analyst:	Brooke

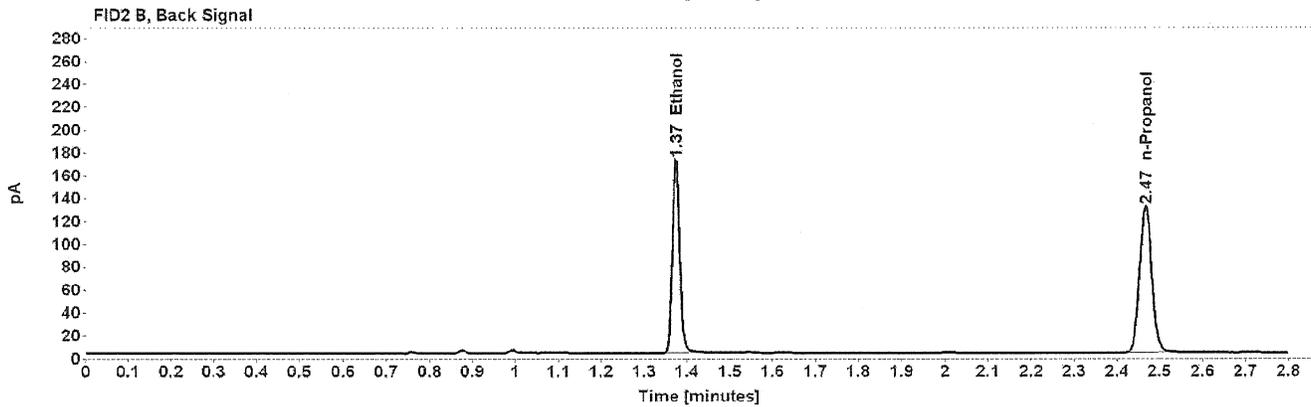
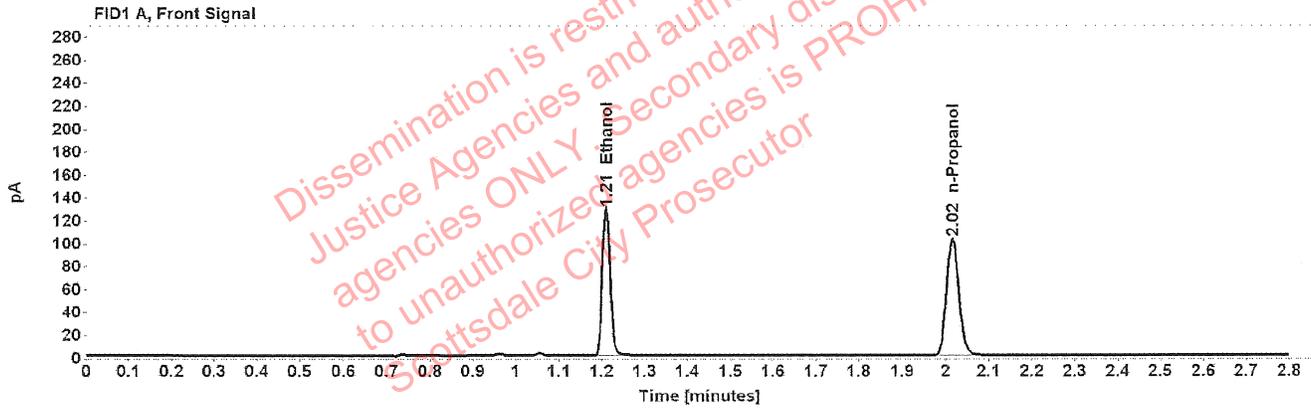


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2541	1.210	162.480
n-Propanol	-----	2.016	202.193

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

Compound	Time (min)	Peak Area
Ethanol	1.374	206.175
n-Propanol	2.467	256.553

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405983	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 11:57:04 AM
Data file:	C:\Chem32\1\Data\01Feb22\16.D	Analyst:	Brooke

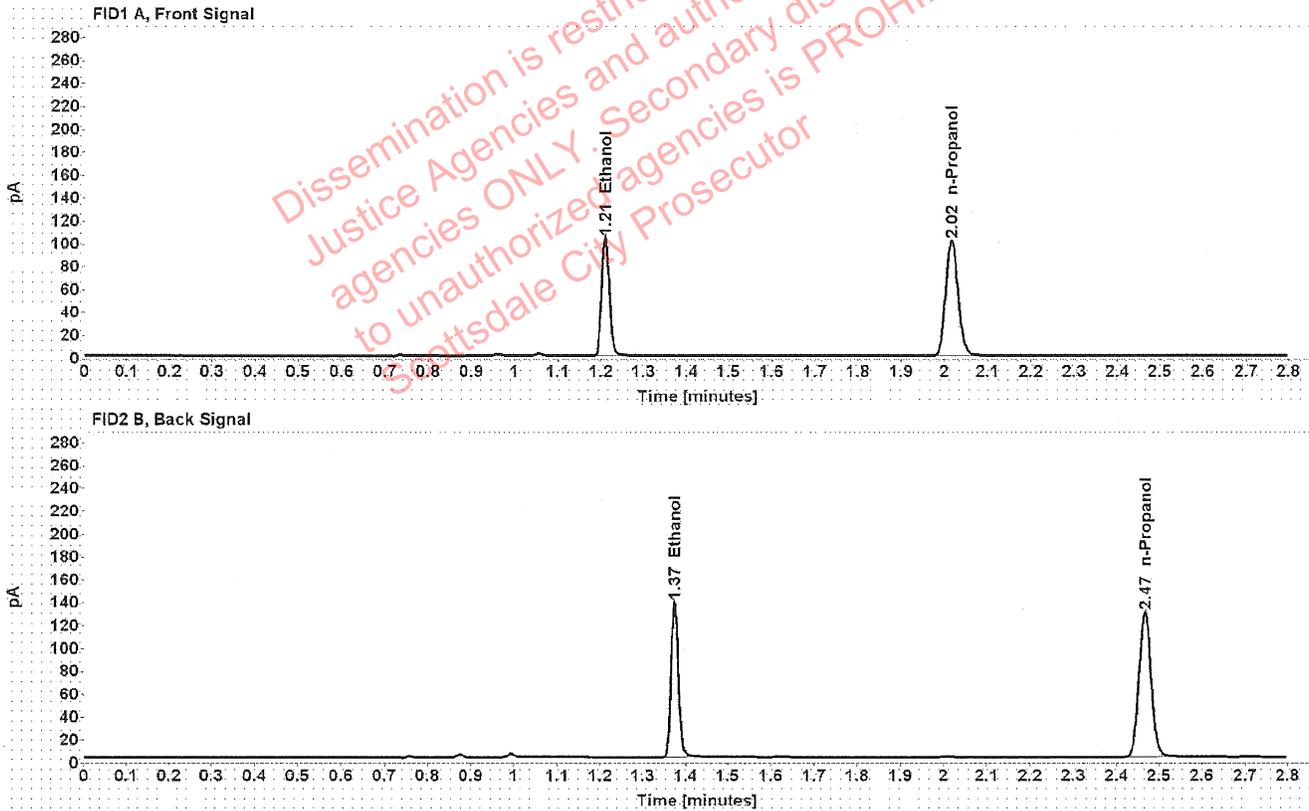


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2060	1.210	130.479
n-Propanol	-----	2.016	200.547

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

Compound	Time (min)	Peak Area
Ethanol	1.374	165.657
n-Propanol	2.467	254.463

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1405983	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:01:04 PM
Data file:	C:\Chem32\1\Data\01Feb22\17.D	Analyst:	Brooke

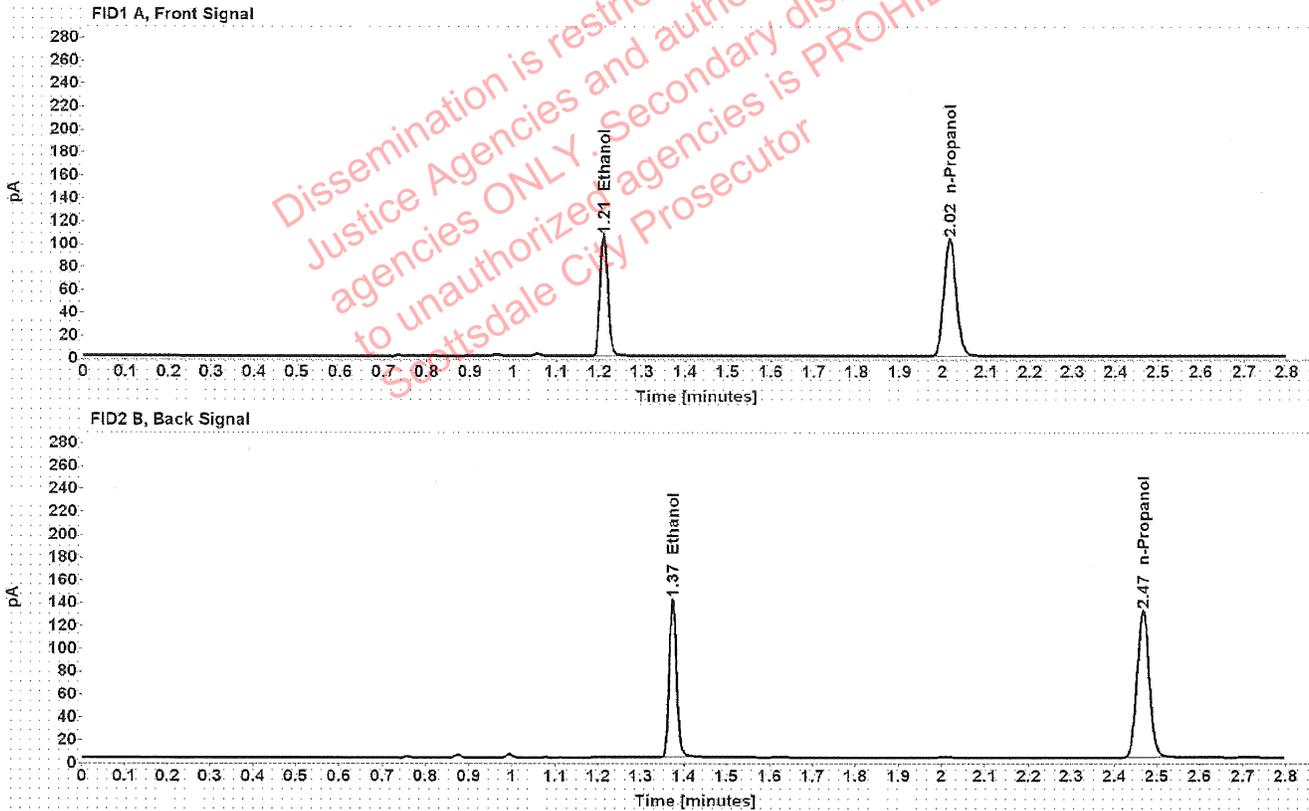


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2074	1.210	133.405
n-Propanol	-----	2.016	203.683

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

Compound	Time (min)	Peak Area
Ethanol	1.374	169.881
n-Propanol	2.467	258.492

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406196	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:05:05 PM
Data file:	C:\Chem32\1\Data\01Feb22\18.D	Analyst:	Brooke

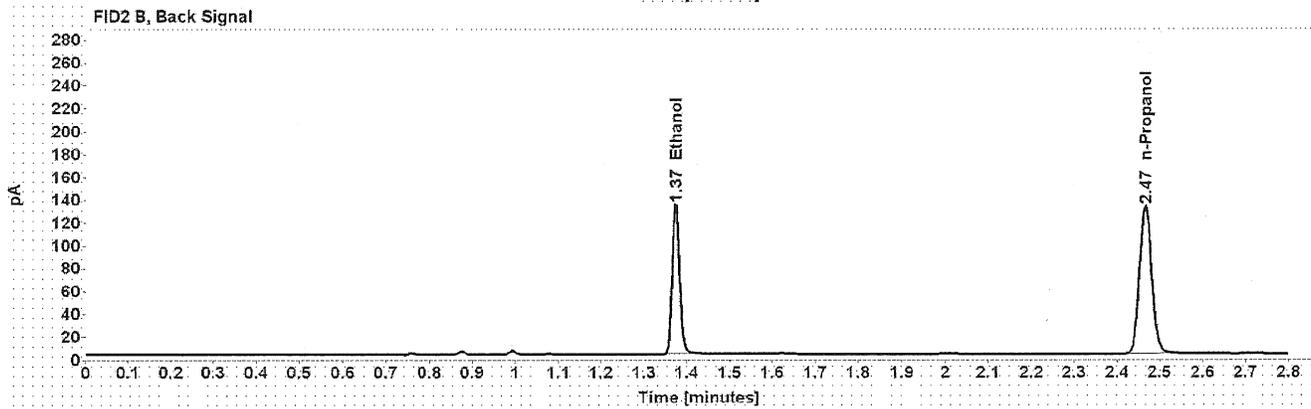
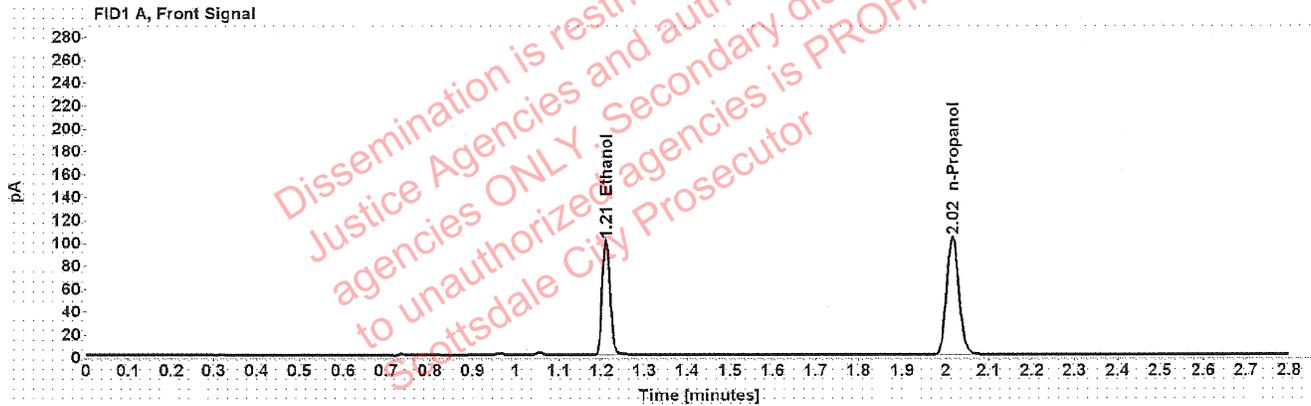


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1964	1.210	126.619
n-Propanol	-----	2.016	204.245

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.561
n-Propanol	2.467	259.633

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1406196	Vial: 19
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 01Feb22
Instrument: US14173023 CN14160045	Injection date: 2/1/2022 12:09:19 PM
Data file: C:\Chem32\1\Data\01Feb22\19.D	Analyst: Brooke

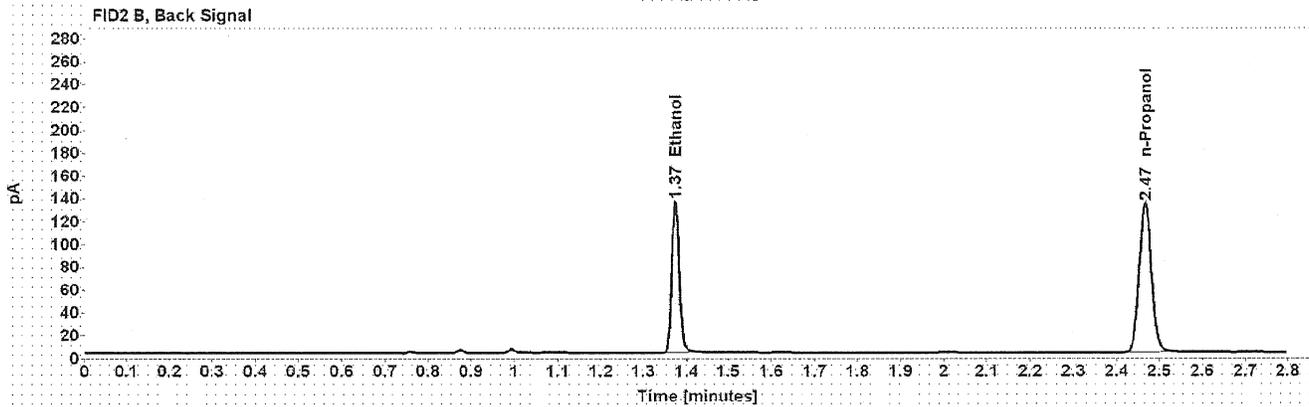
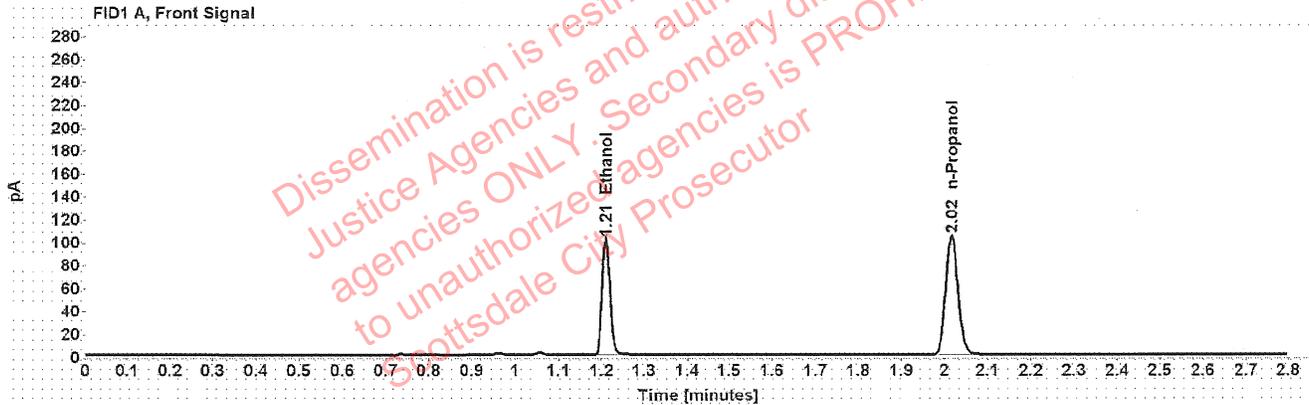


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1968	1.210	128.231
n-Propanol	-----	2.016	206.387

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

Compound	Time (min)	Peak Area
Ethanol	1.374	162.327
n-Propanol	2.467	262.291

[REDACTED] : Brooke, Phillip - (01-Feb-2022)

Case: [REDACTED] User: pbrooke 2/1/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406851	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:17:19 PM
Data file:	C:\Chem32\1\Data\01Feb22\21.D	Analyst:	Brooke

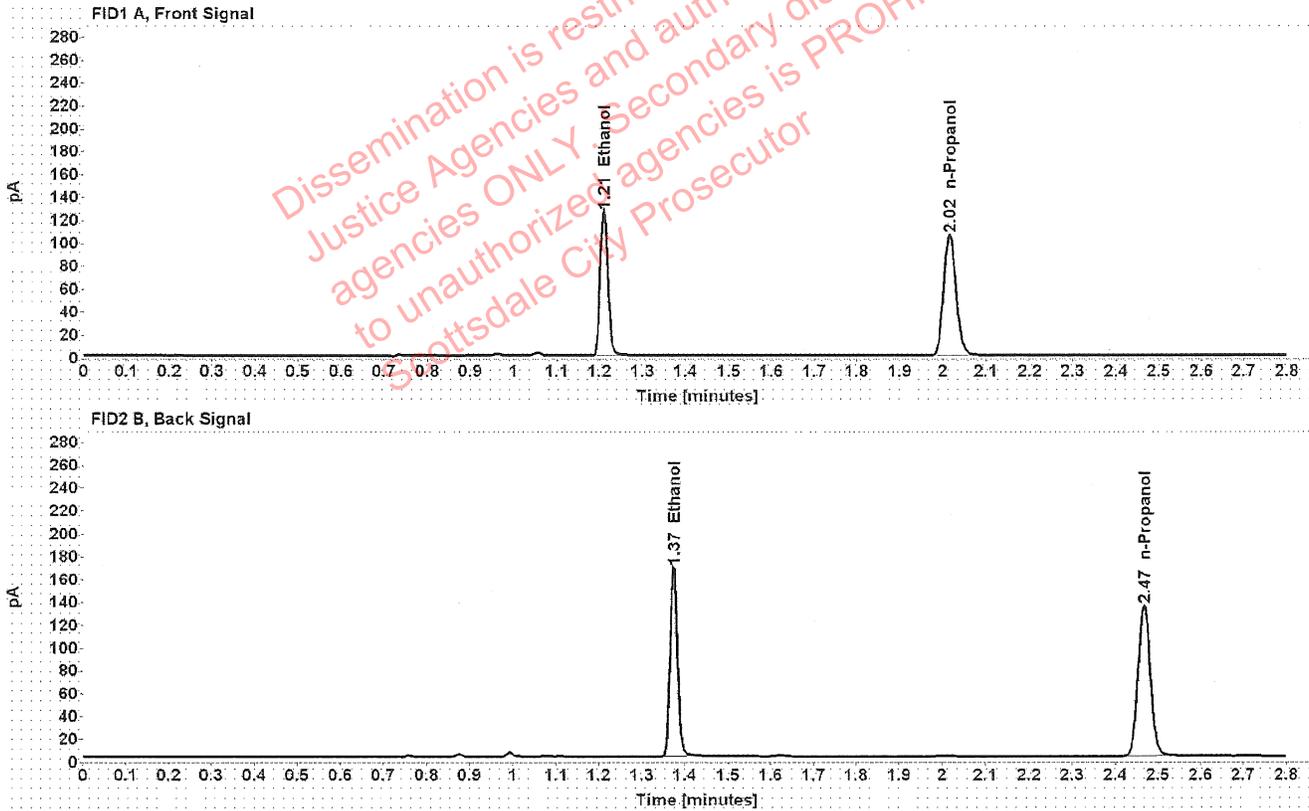


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2418	1.210	159.688
n-Propanol	-----	2.016	208.917

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

Compound	Time (min)	Peak Area
Ethanol	1.374	202.259
n-Propanol	2.467	265.333

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406851	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:21:19 PM
Data file:	C:\Chem32\1\Data\01Feb22\22.D	Analyst:	Brooke

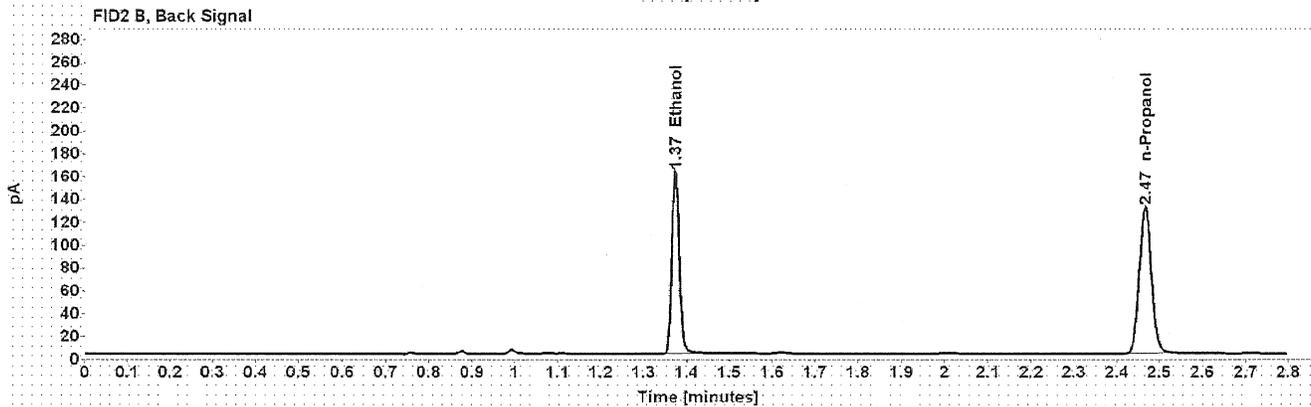
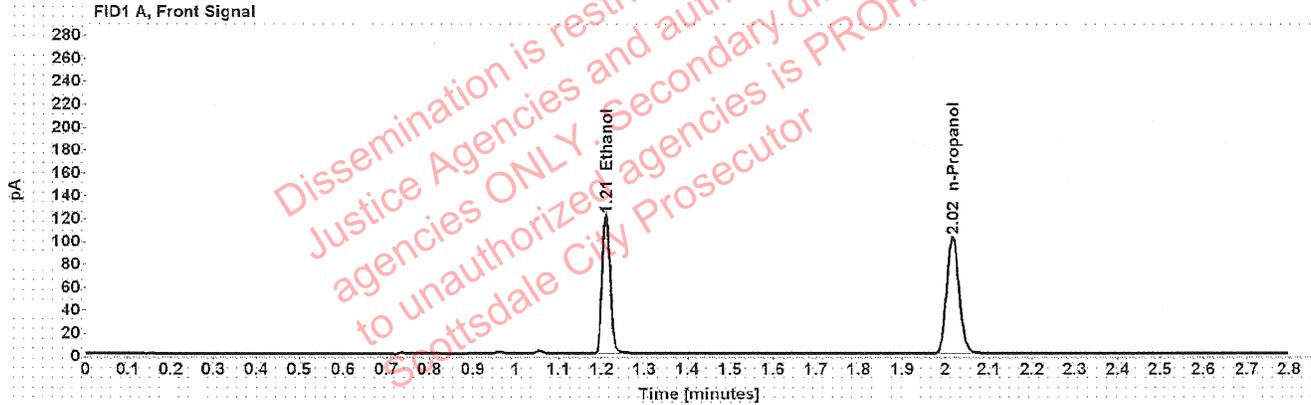


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2397	1.210	153.497
n-Propanol	-----	2.016	202.582

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

Compound	Time (min)	Peak Area
Ethanol	1.374	196.106
n-Propanol	2.467	257.397

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406462	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:25:19 PM
Data file:	C:\Chem32\1\Data\01Feb22\23.D	Analyst:	Brooke

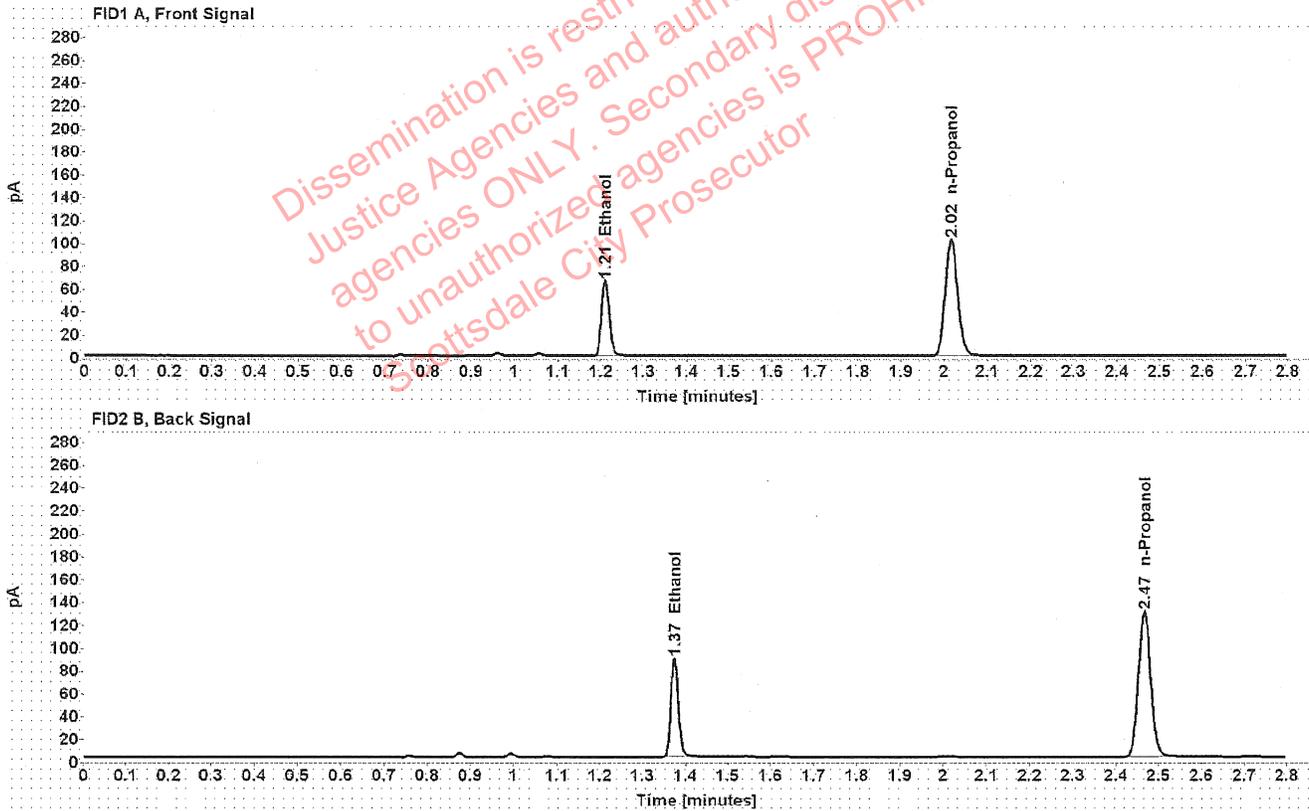


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1322	1.211	83.747
n-Propanol	-----	2.016	201.325

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

Compound	Time (min)	Peak Area
Ethanol	1.374	105.732
n-Propanol	2.467	256.021

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406462	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:29:20 PM
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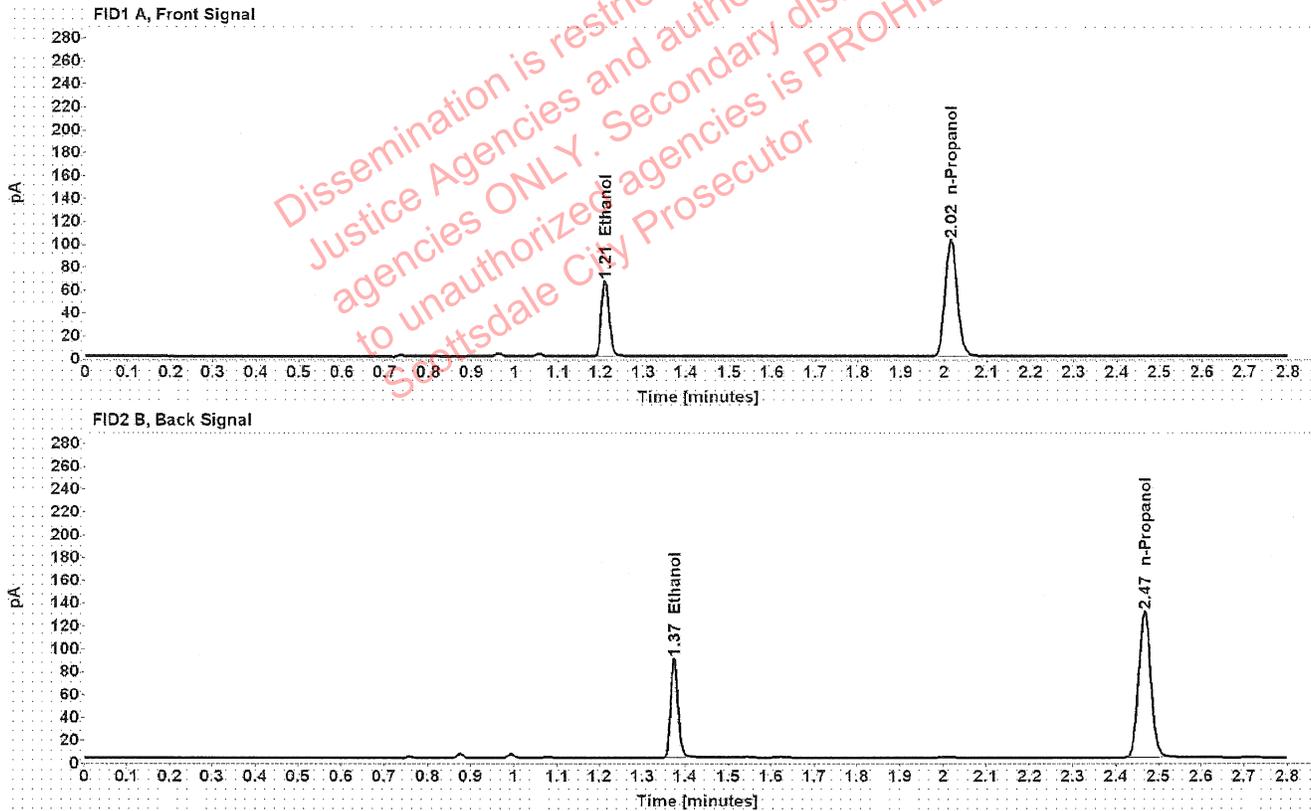


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1322	1.211	83.992
n-Propanol	-----	2.016	201.884

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

Compound	Time (min)	Peak Area
Ethanol	1.374	106.096
n-Propanol	2.467	256.765

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406611	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:33:34 PM
Data file:	C:\Chem32\1\Data\01Feb22\25.D	Analyst:	Brooke

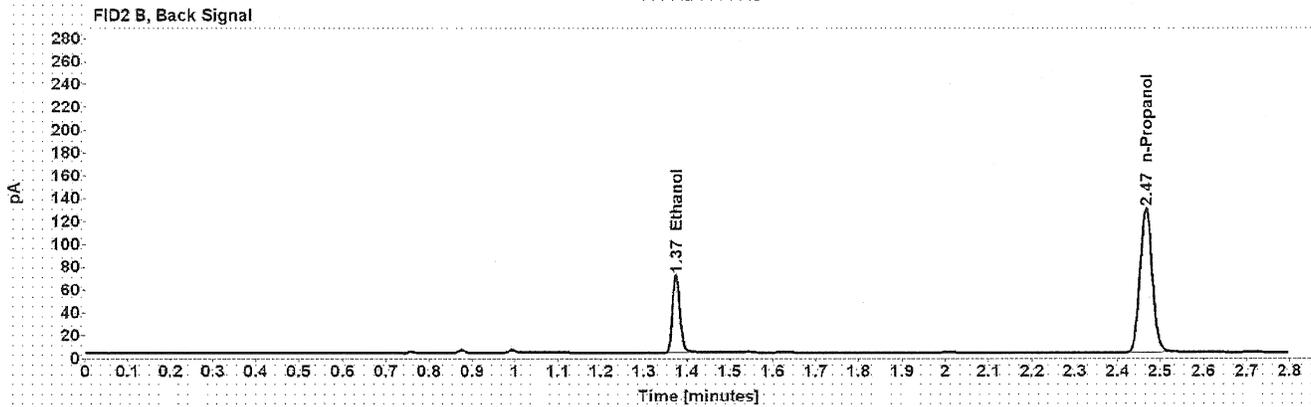
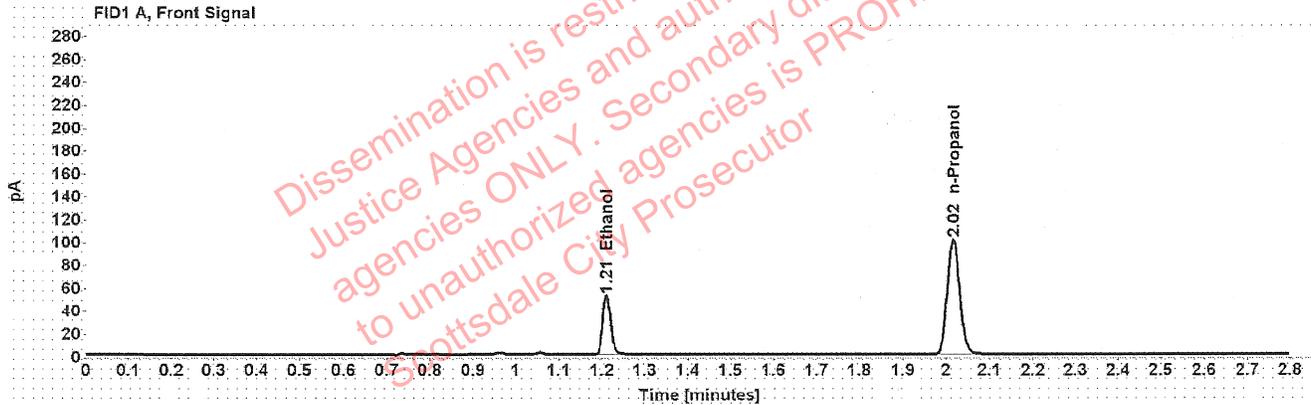


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1050	1.211	65.915
n-Propanol	-----	2.016	199.996

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

Compound	Time (min)	Peak Area
Ethanol	1.374	83.091
n-Propanol	2.467	254.053

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406611	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:37:34 PM
Data file:	C:\Chem32\1\Data\01Feb22\26.D	Analyst:	Brooke

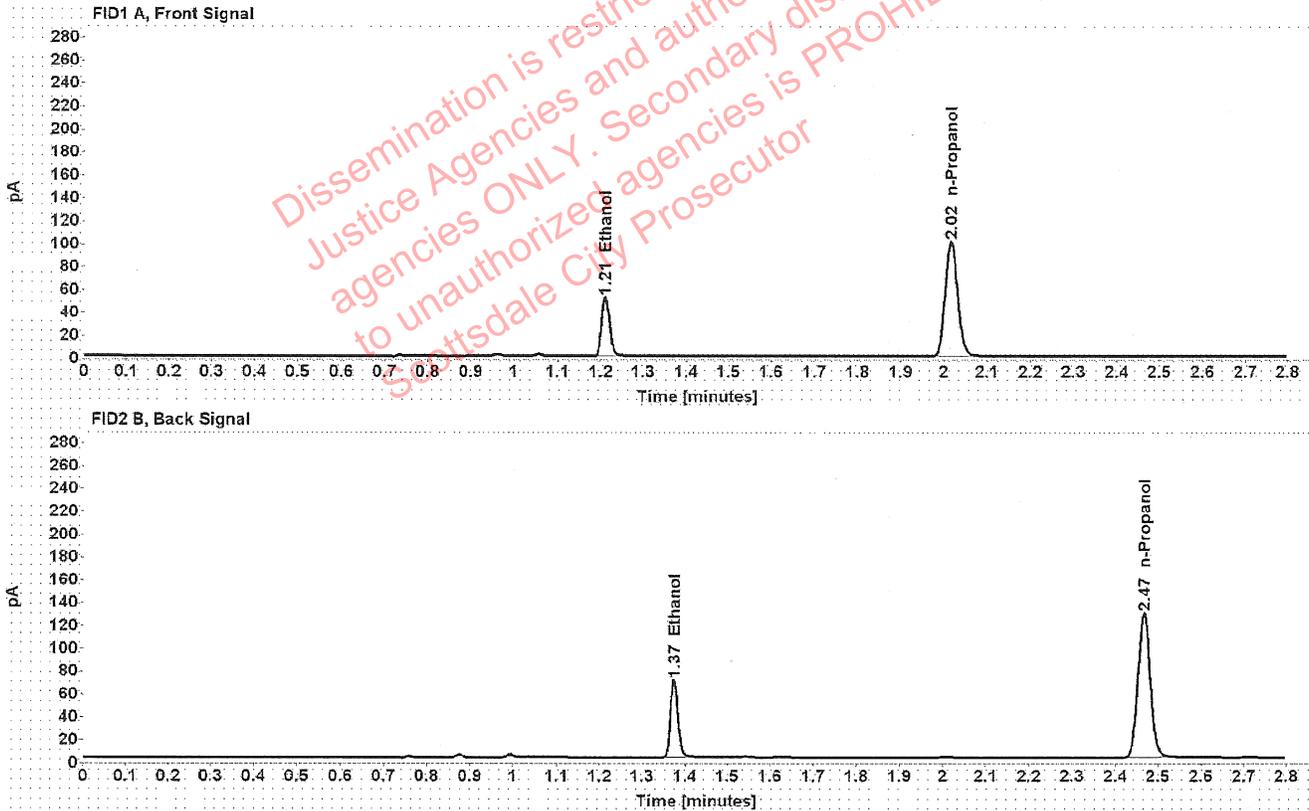


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1044	1.211	65.530
n-Propanol	-----	2.016	199.935

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

Compound	Time (min)	Peak Area
Ethanol	1.374	82.827
n-Propanol	2.467	253.875

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406561	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:41:35 PM
Data file:	C:\Chem32\1\Data\01Feb22\27.D	Analyst:	Brooke

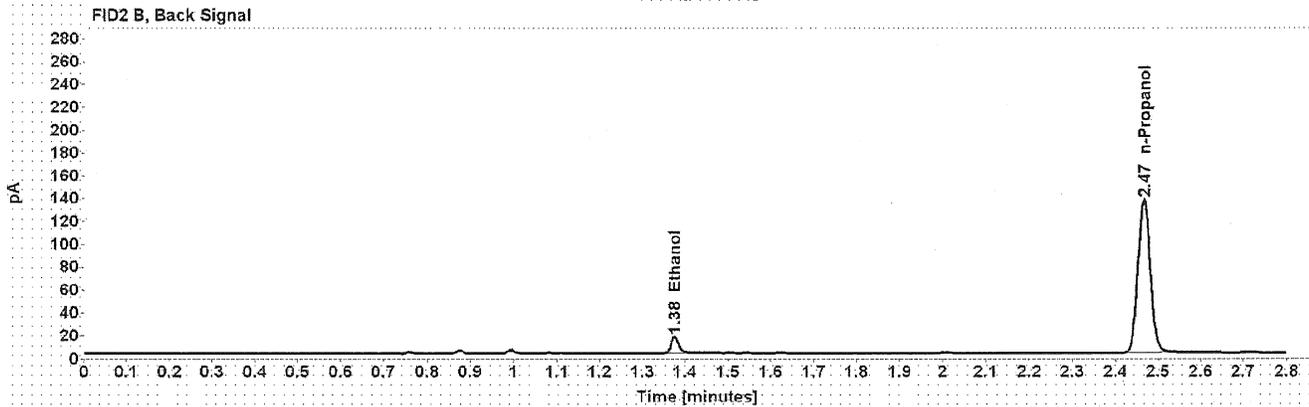
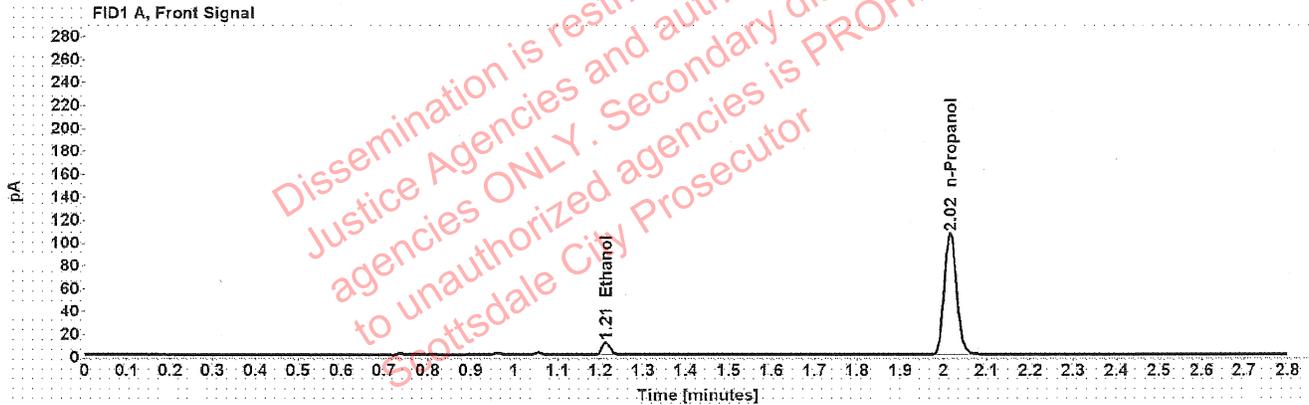


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0216	1.213	13.582
n-Propanol	-----	2.016	211.430

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

Compound	Time (min)	Peak Area
Ethanol	1.376	17.355
n-Propanol	2.467	268.682

[REDACTED] : Brooke, Phillip - (01-Feb-2022)

Case: [REDACTED] User: pbrooke 2/1/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406561	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:45:34 PM
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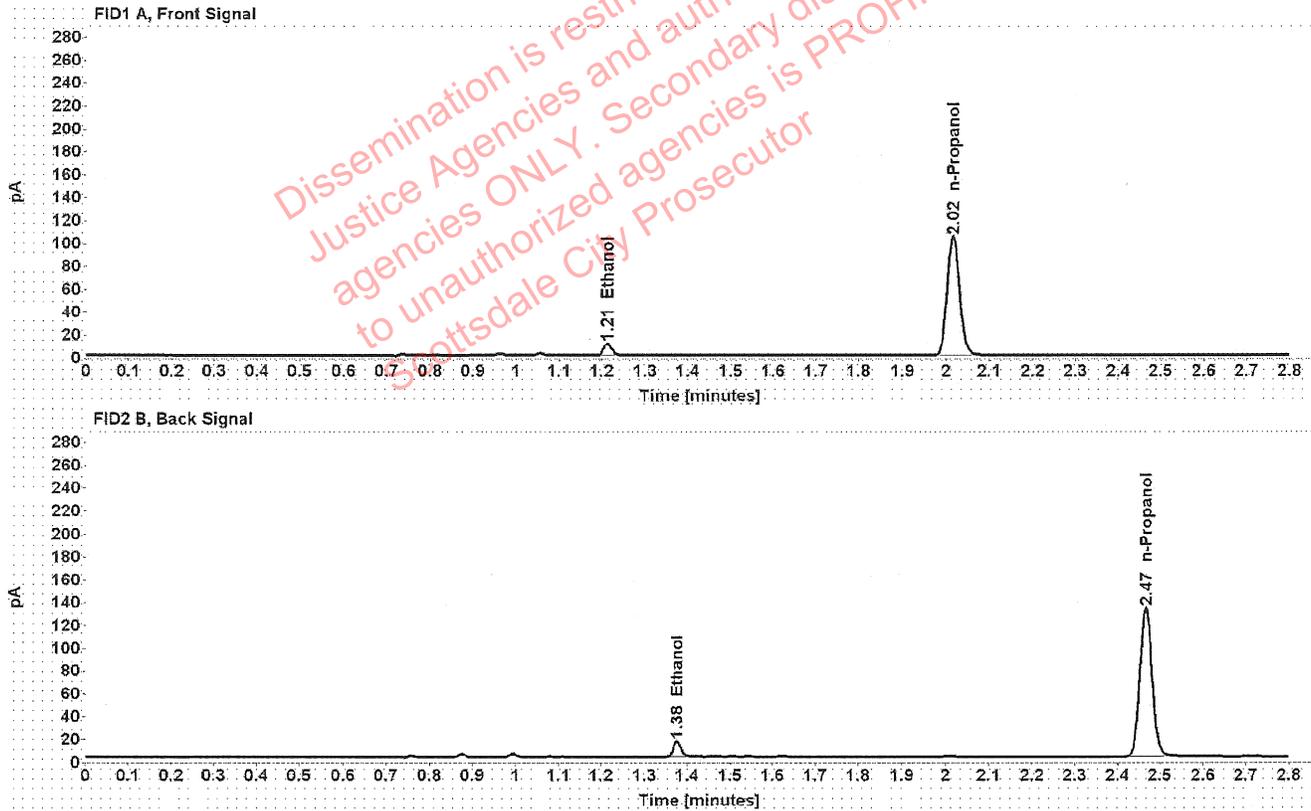


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0213	1.213	13.110
n-Propanol	-----	2.016	206.356

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

Compound	Time (min)	Peak Area
Ethanol	1.376	16.758
n-Propanol	2.467	262.254

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406683	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:49:34 PM
Data file:	C:\Chem32\1\Data\01Feb22\29.D	Analyst:	Brooke

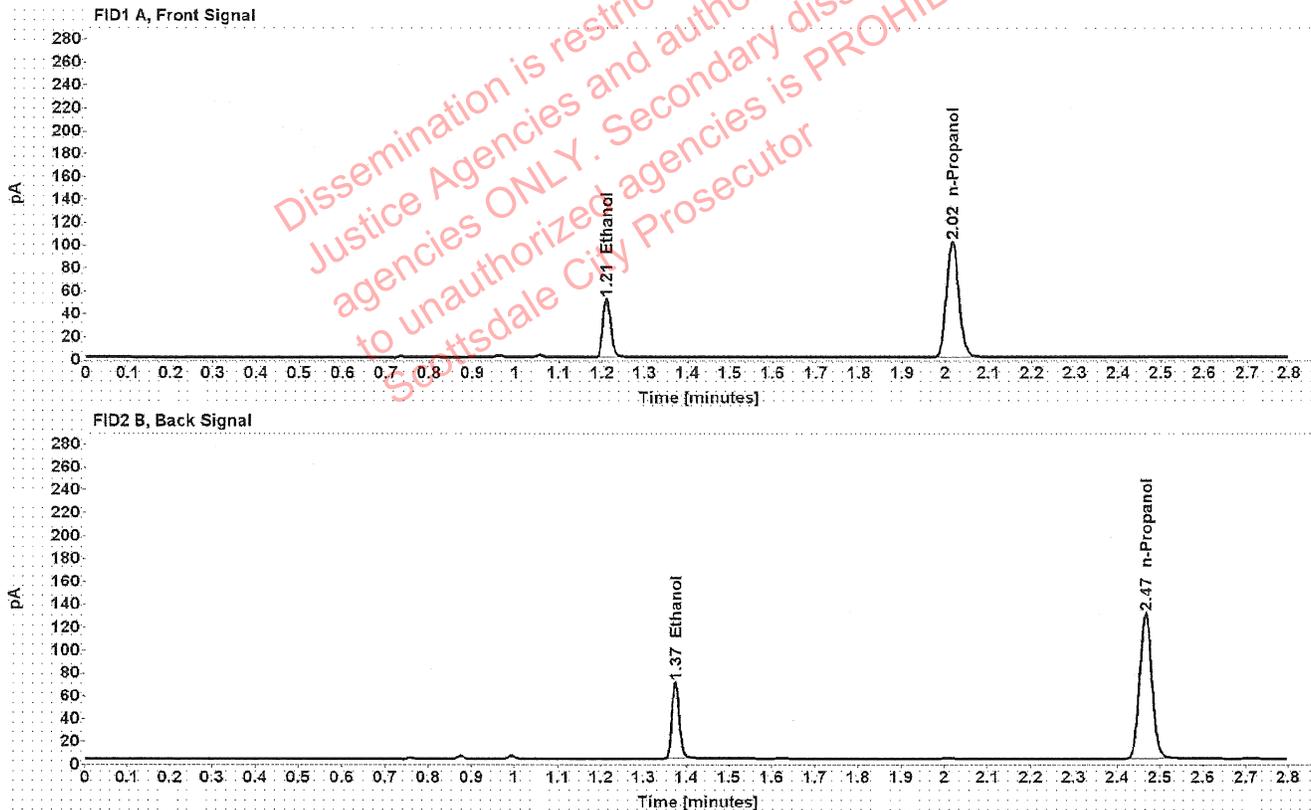


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1033	1.211	65.177
n-Propanol	-----	2.016	201.045

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

Compound	Time (min)	Peak Area
Ethanol	1.374	82.267
n-Propanol	2.467	254.929

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406683	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 12:53:35 PM
Data file:	C:\Chem32\1\Data\01Feb22\30.D	Analyst:	Brooke

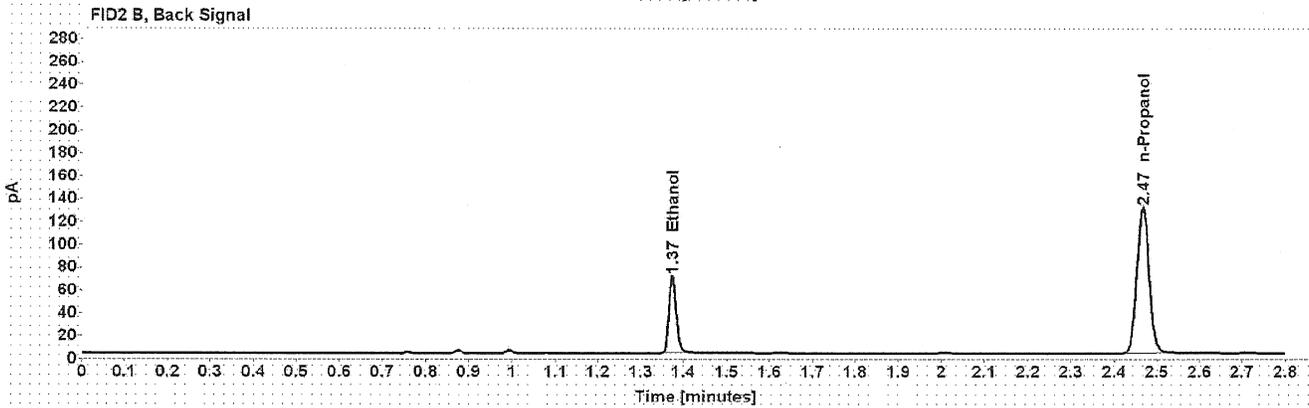
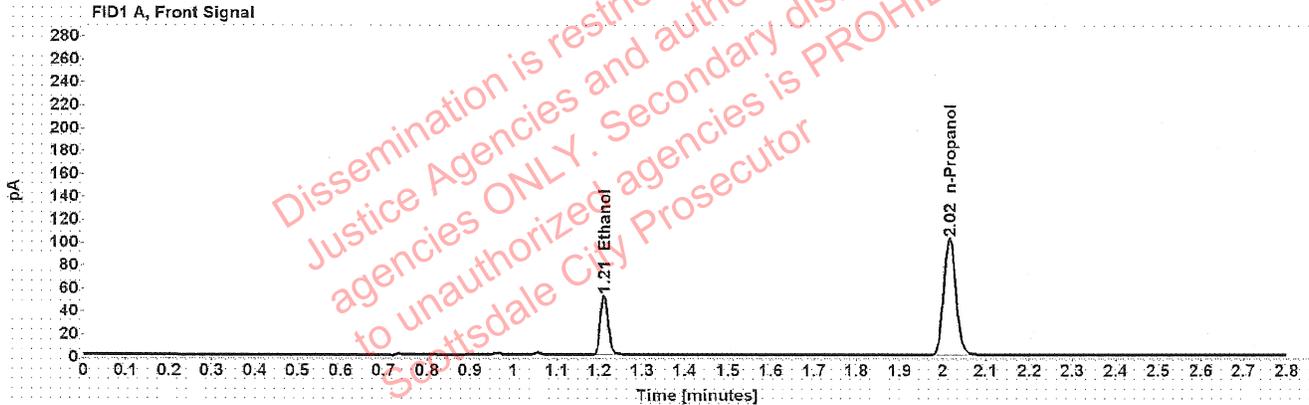


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1034	1.211	65.529
n-Propanol	-----	2.016	202.035

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

Compound	Time (min)	Peak Area
Ethanol	1.374	82.680
n-Propanol	2.467	256.194

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406596	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:01:50 PM
Data file:	C:\Chem32\1\Data\01Feb22\32.D	Analyst:	Brooke

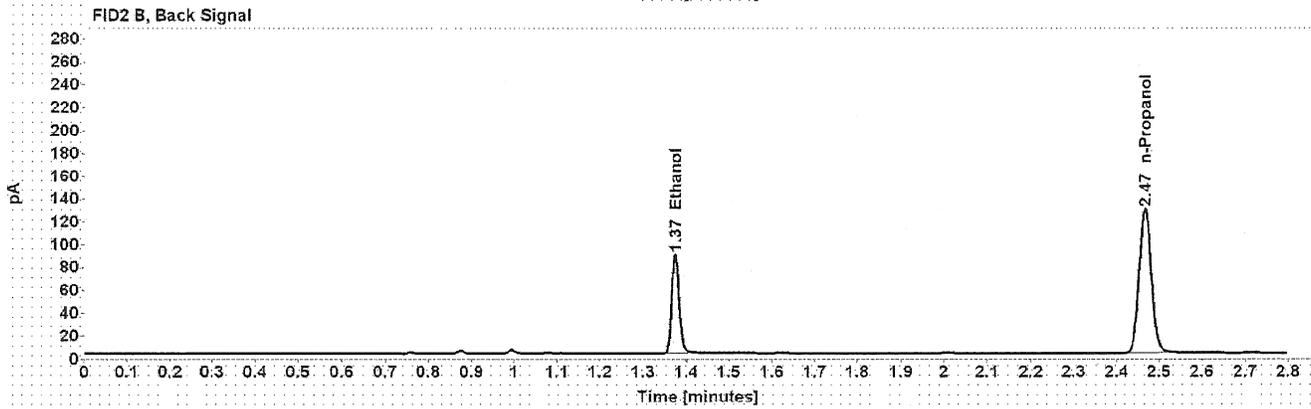
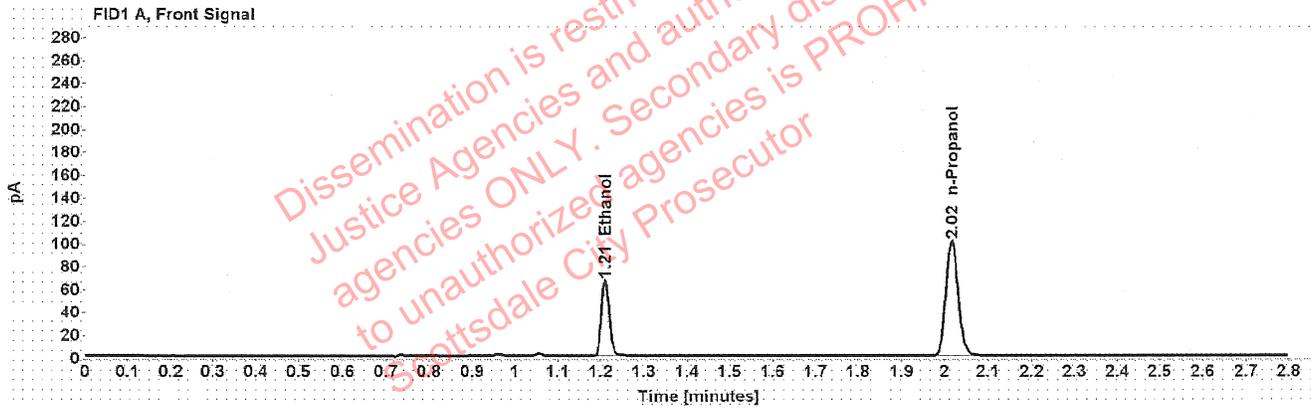


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1334	1.211	84.080
n-Propanol	-----	2.016	200.241

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

Compound	Time (min)	Peak Area
Ethanol	1.374	106.017
n-Propanol	2.467	253.864

[REDACTED] : Brooke, Phillip - (01-Feb-2022)

Case: [REDACTED] User: pbrooke 2/1/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406596	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:05:50 PM
Data file:	C:\Chem32\1\Data\01Feb22\33.D	Analyst:	Brooke

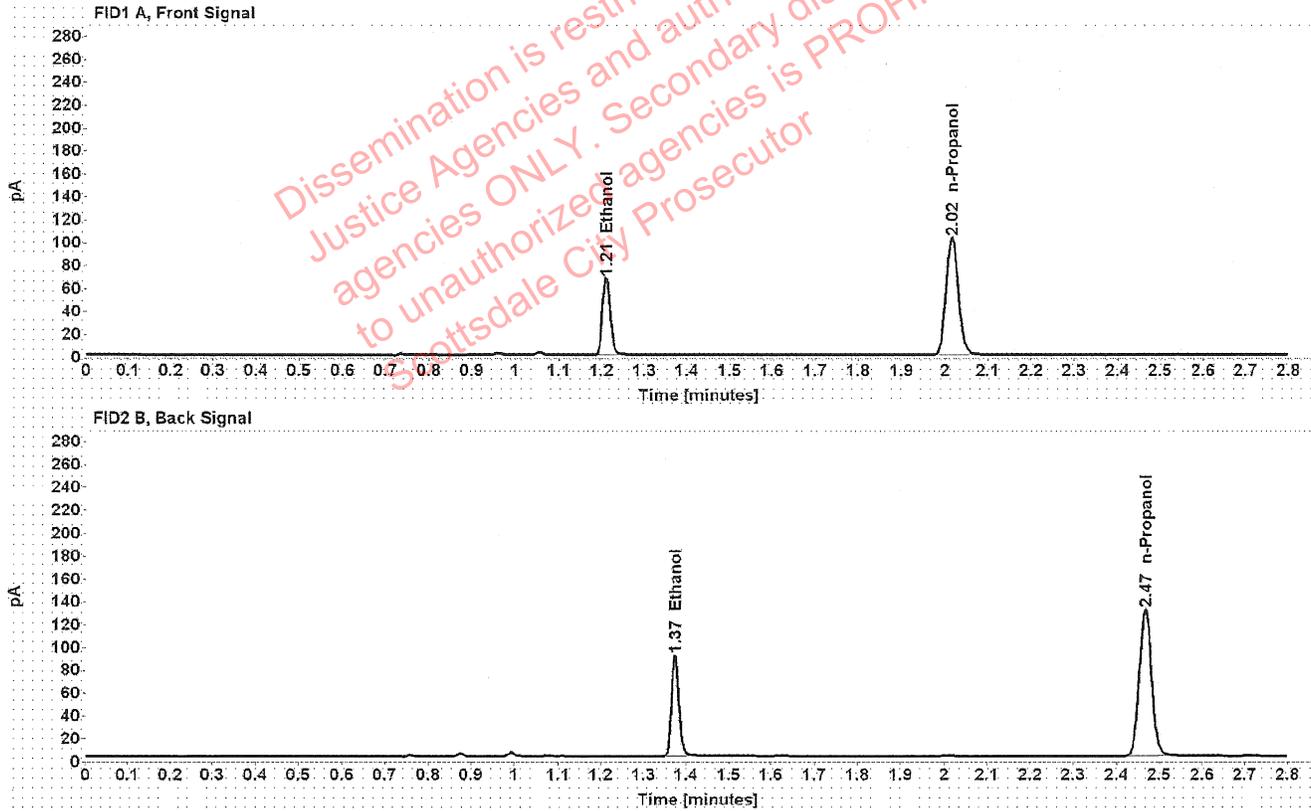


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1339	1.210	85.695
n-Propanol	-----	2.016	203.352

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

Compound	Time (min)	Peak Area
Ethanol	1.374	108.027
n-Propanol	2.467	257.889

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406607	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:09:49 PM
Data file:	C:\Chem32\1\Data\01Feb22\34.D	Analyst:	Brooke

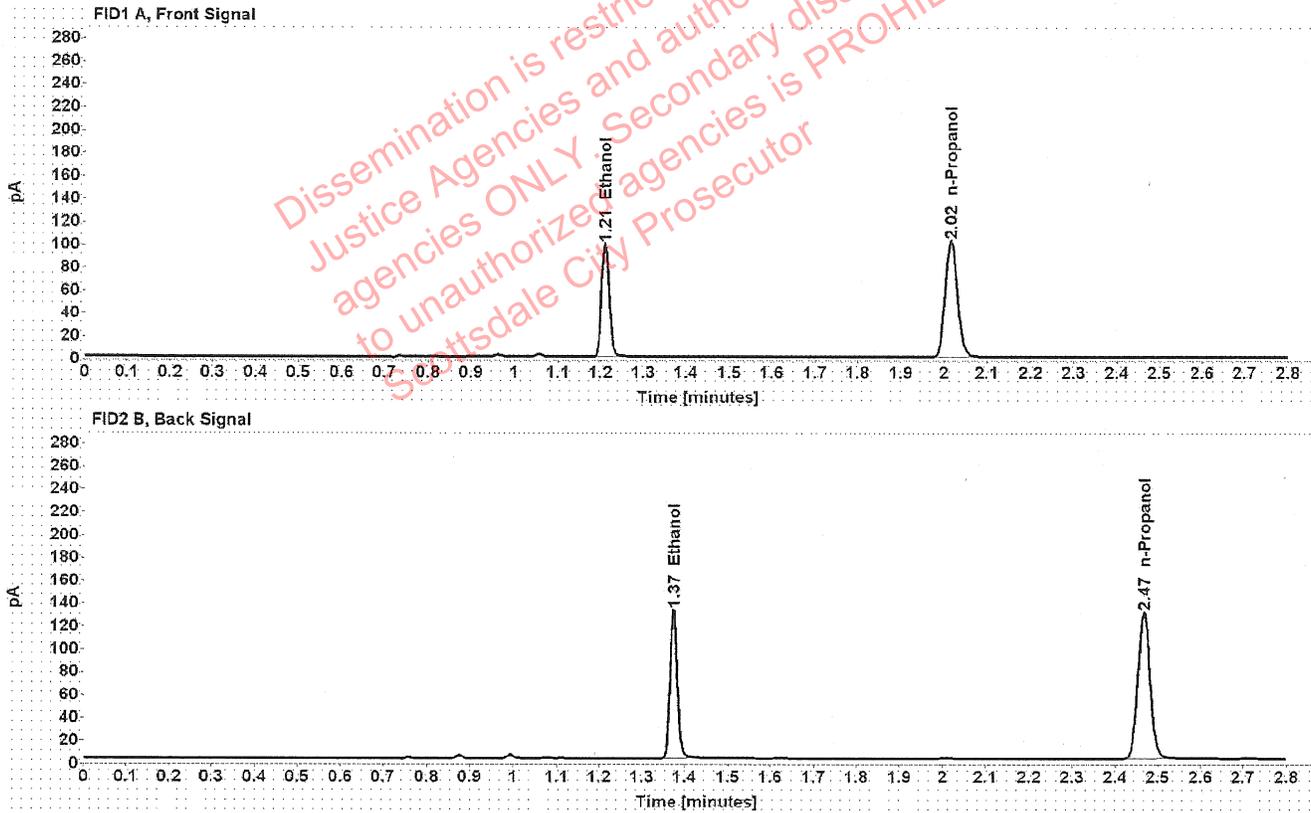


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1962	1.210	125.099
n-Propanol	-----	2.016	201.982

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

Compound	Time (min)	Peak Area
Ethanol	1.374	158.495
n-Propanol	2.467	255.773

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406607	Vial:	35
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:13:49 PM
Data file:	C:\Chem32\1\Data\01Feb22\35.D	Analyst:	Brooke

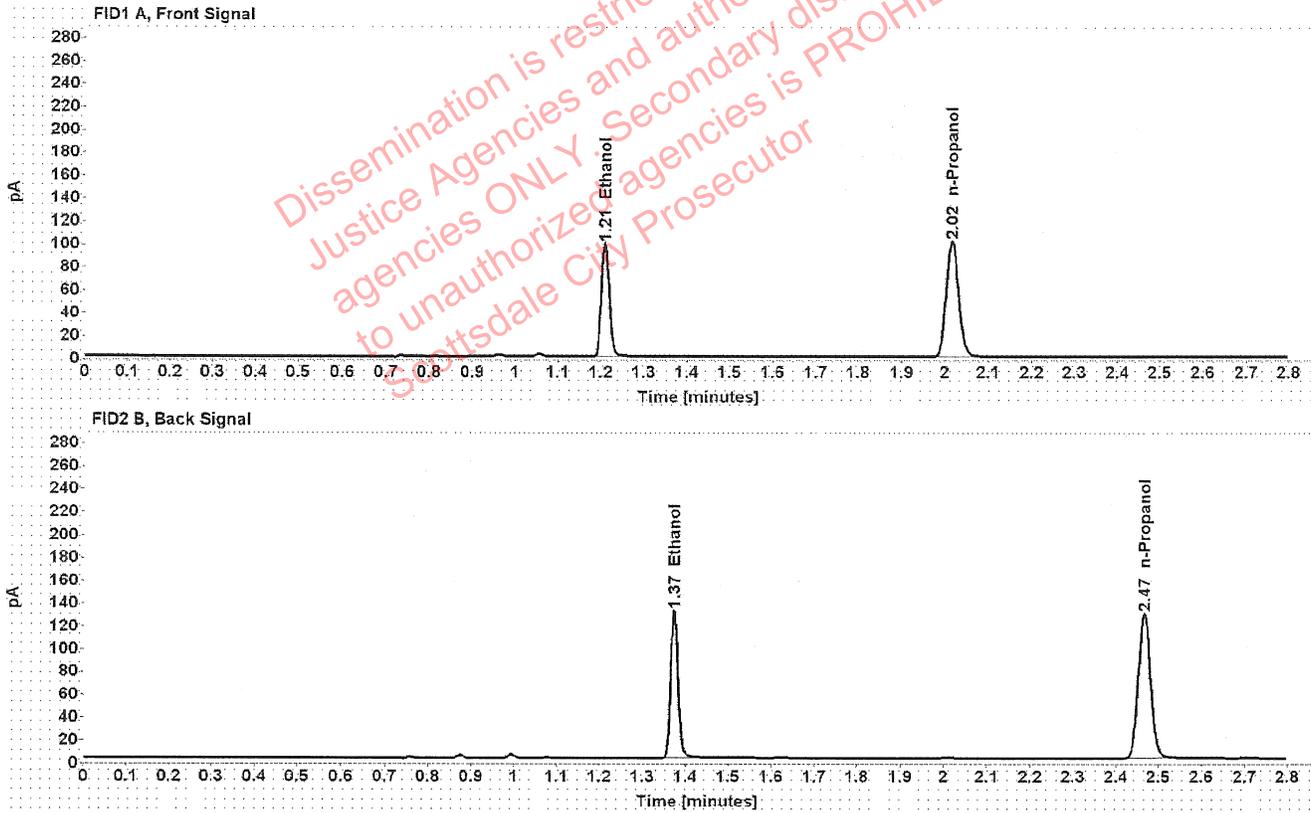


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1964	1.210	124.625
n-Propanol	-----	2.016	200.940

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

Compound	Time (min)	Peak Area
Ethanol	1.374	158.588
n-Propanol	2.467	254.774

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406698	Vial:	36
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:17:49 PM
Data file:	C:\Chem32\1\Data\01Feb22\36.D	Analyst:	Brooke

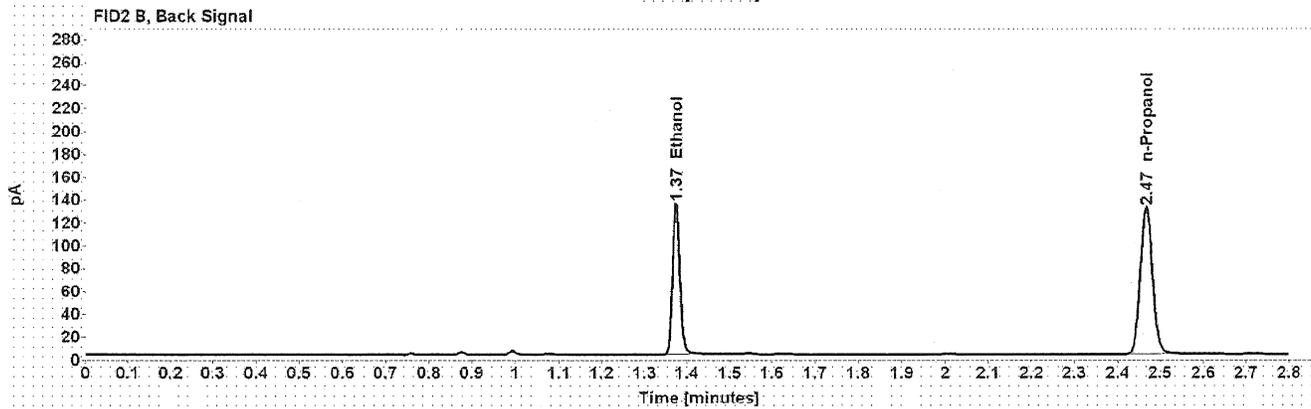
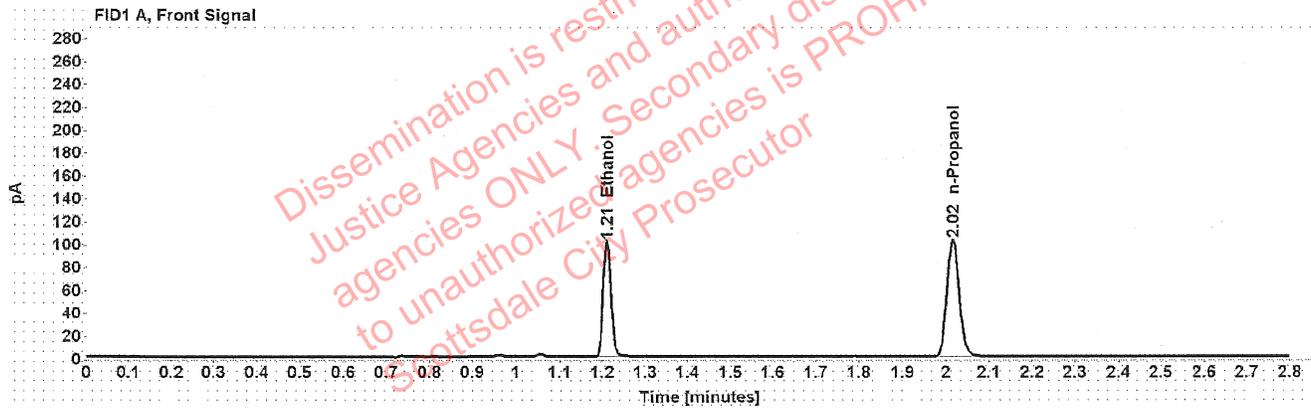


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1994	1.210	127.765
n-Propanol	-----	2.016	202.971

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

Compound	Time (min)	Peak Area
Ethanol	1.374	161.869
n-Propanol	2.467	257.603

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1406698	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:22:04 PM
Data file:	C:\Chem32\1\Data\01Feb22\37.D	Analyst:	Brooke

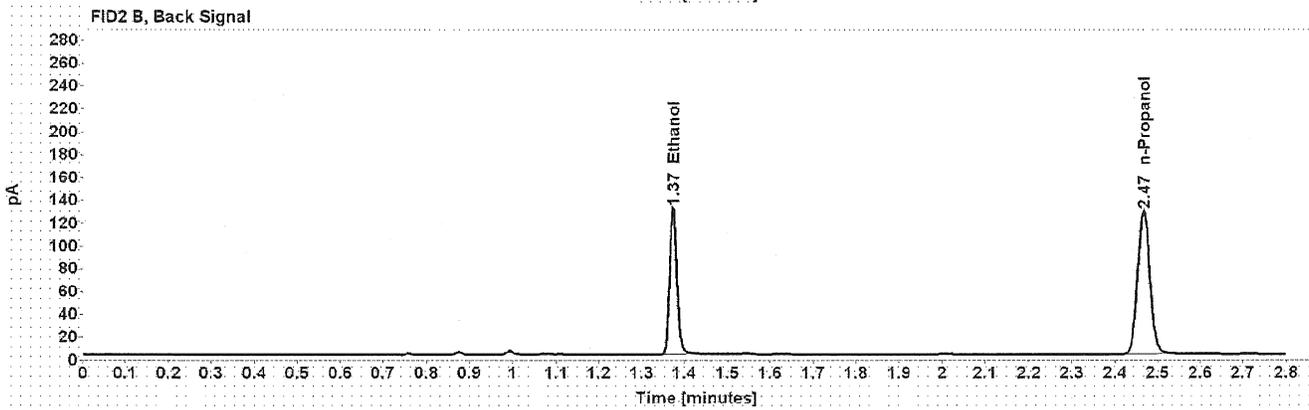
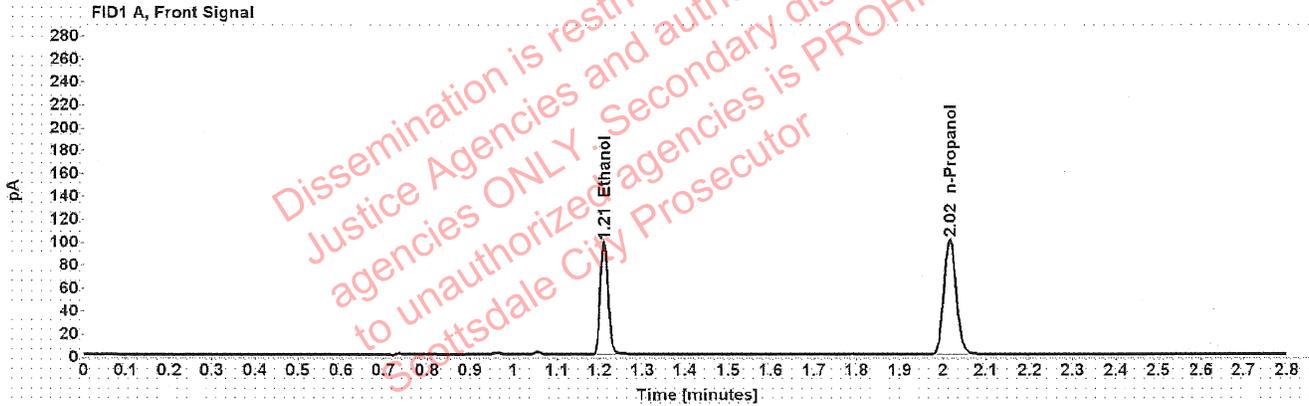


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1979	1.210	124.429
n-Propanol	-----	2.016	199.098

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

Compound	Time (min)	Peak Area
Ethanol	1.374	157.356
n-Propanol	2.467	252.324

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1378692	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:26:04 PM
Data file:	C:\Chem32\1\Data\01Feb22\38.D	Analyst:	Brooke

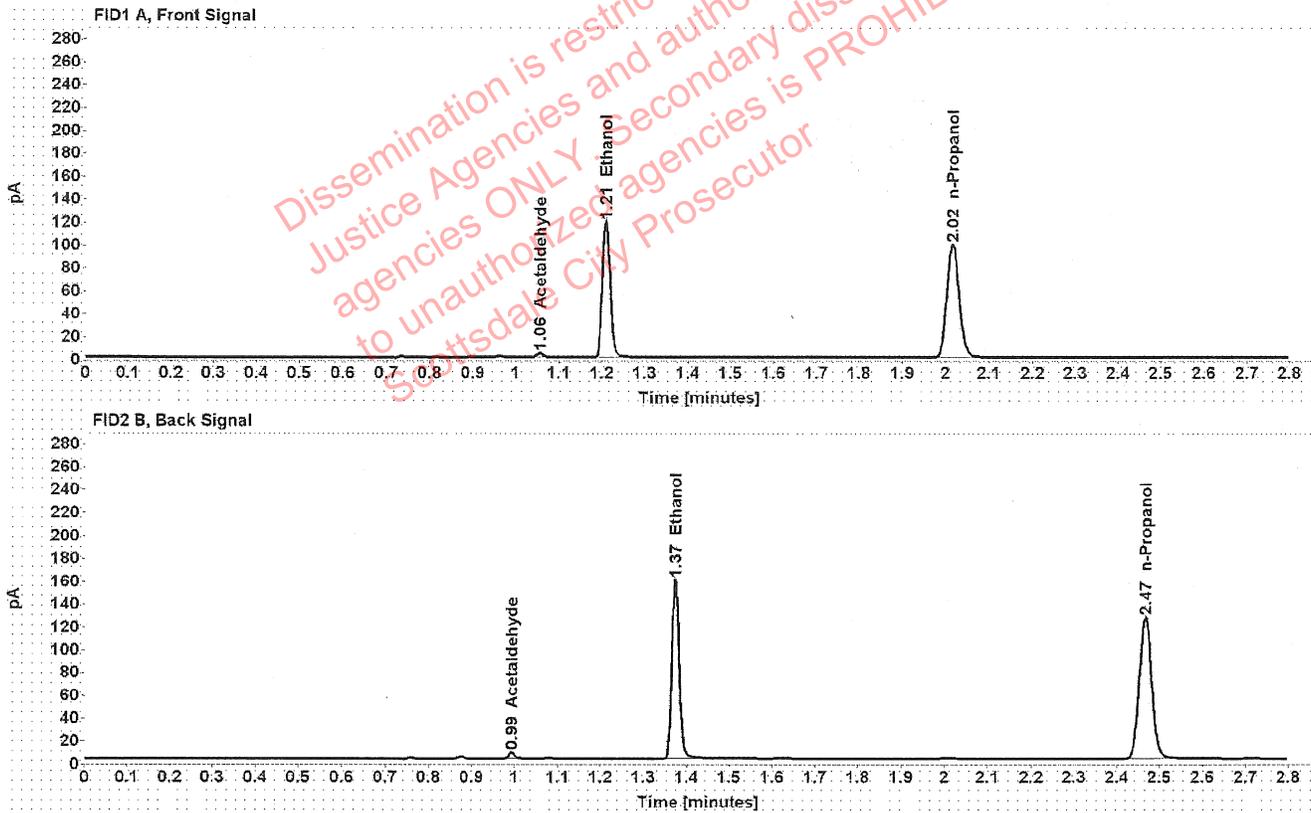


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.781
>Ethanol	0.2422	1.210	150.697
n-Propanol	-----	2.016	196.843

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.957
Ethanol	1.374	192.682
n-Propanol	2.467	250.098

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1378692	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:30:04 PM
Data file:	C:\Chem32\1\Data\01Feb22\39.D	Analyst:	Brooke

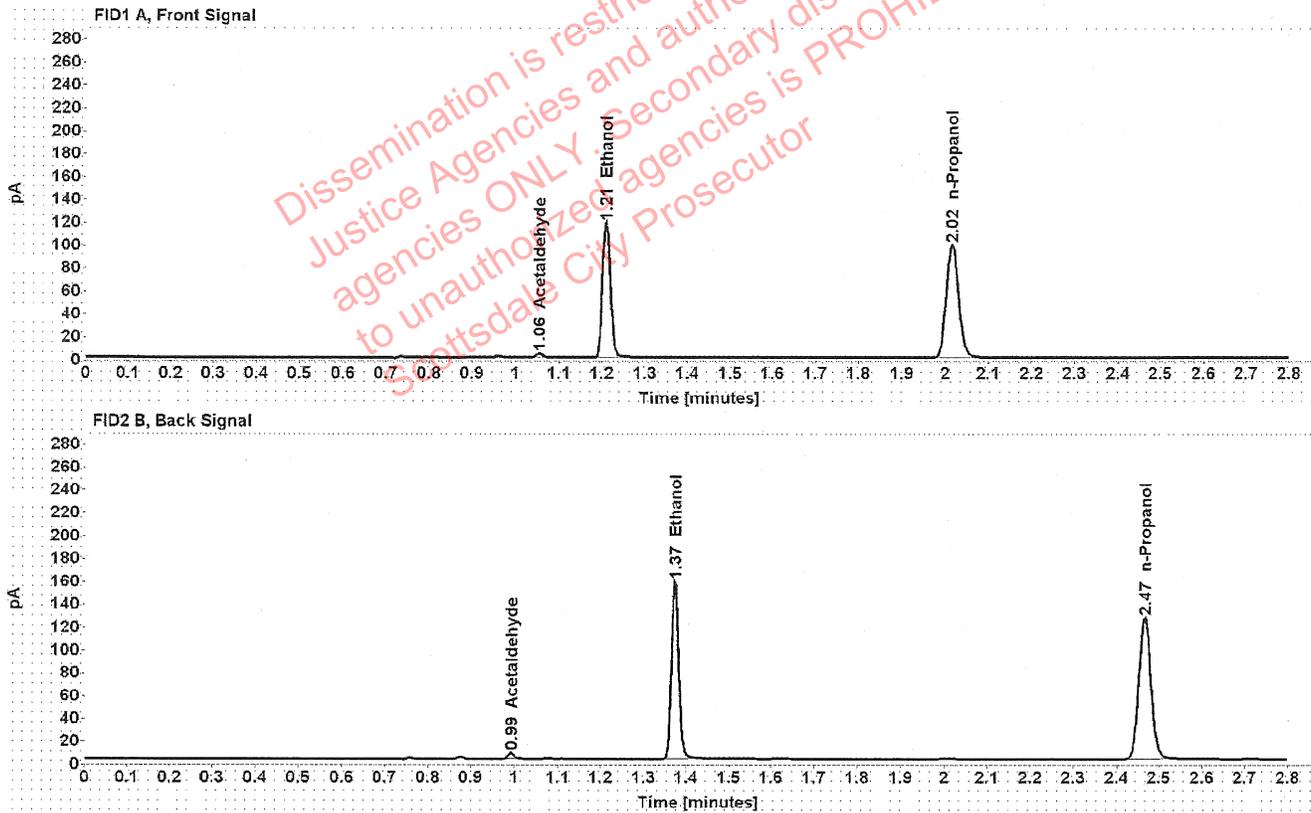


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.757
>Ethanol	0.2411	1.210	149.963
n-Propanol	-----	2.016	196.722

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.939
Ethanol	1.373	189.885
n-Propanol	2.466	250.084

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1377626	Vial: 40
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 01Feb22
Instrument: US14173023 CN14160045	Injection date: 2/1/2022 1:34:05 PM
Data file: C:\Chem32\1\Data\01Feb22\40.D	Analyst: Brooke

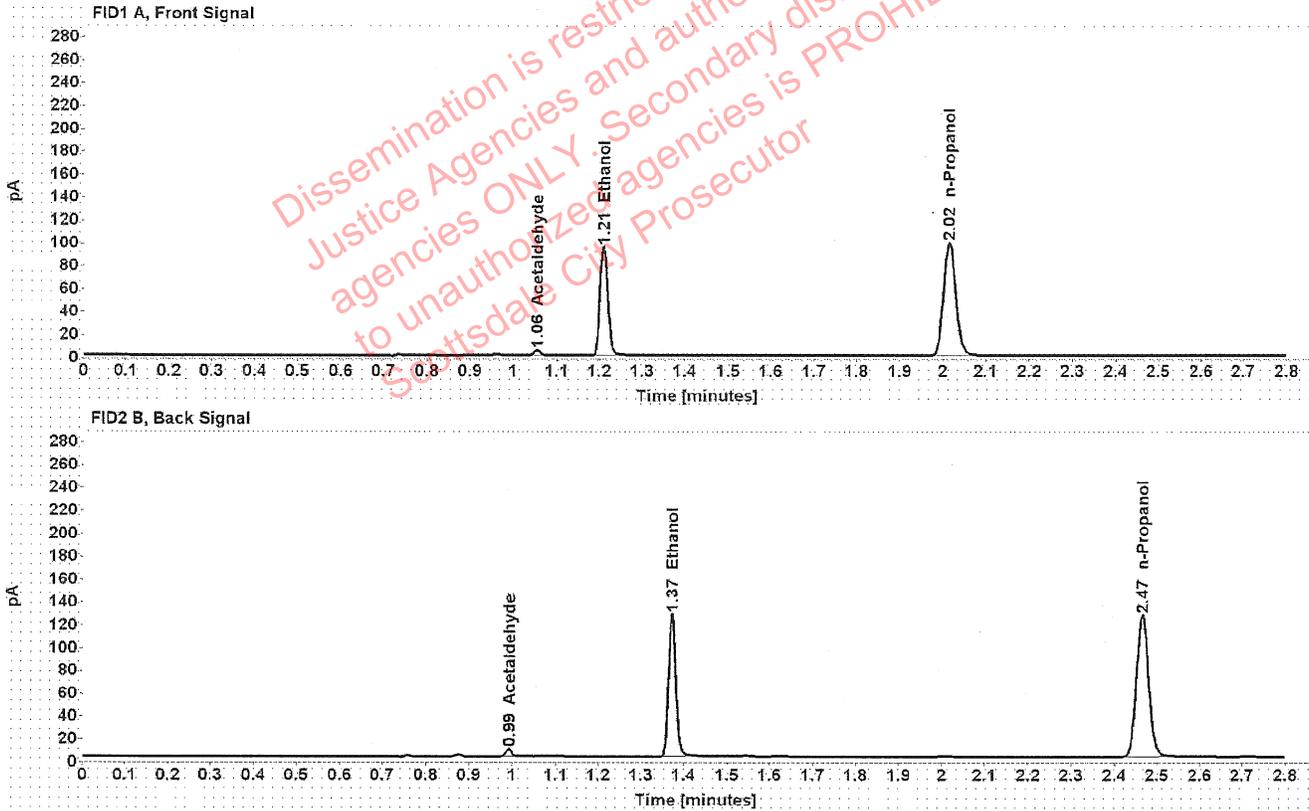


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.648
>Ethanol	0.1948	1.209	120.971
n-Propanol	-----	2.015	196.729

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	6.075
Ethanol	1.373	153.313
n-Propanol	2.466	249.975

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1377626	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	01Feb22
Instrument:	US14173023 CN14160045	Injection date:	2/1/2022 1:38:04 PM
Data file:	C:\Chem32\1\Data\01Feb22\41.D	Analyst:	Brooke

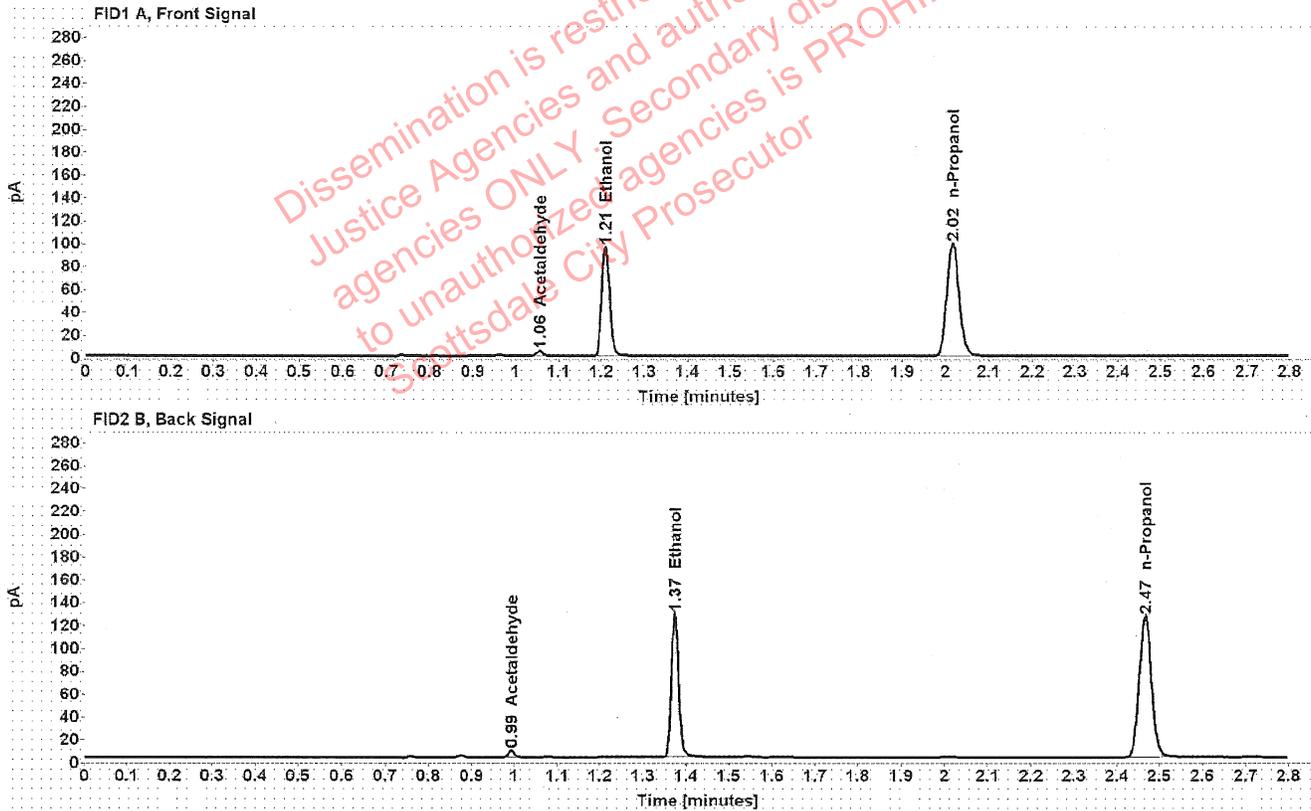


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.535
>Ethanol	0.1956	1.210	121.033
n-Propanol	-----	2.016	196.023

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.938
Ethanol	1.374	153.351
n-Propanol	2.466	249.034