

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/12/2021 SEQUENCE NAME 12Oct21

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 071521AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.200 g/dL	0.203 g/dL	ACQ 4101018274/9
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.404 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.200 g/dL	0.204 g/dL	ACQ 4101018274/9
45	Blank	Not detected	Not detected	SPD lab 111020WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid  Analyst
 Run valid Run invalid  Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

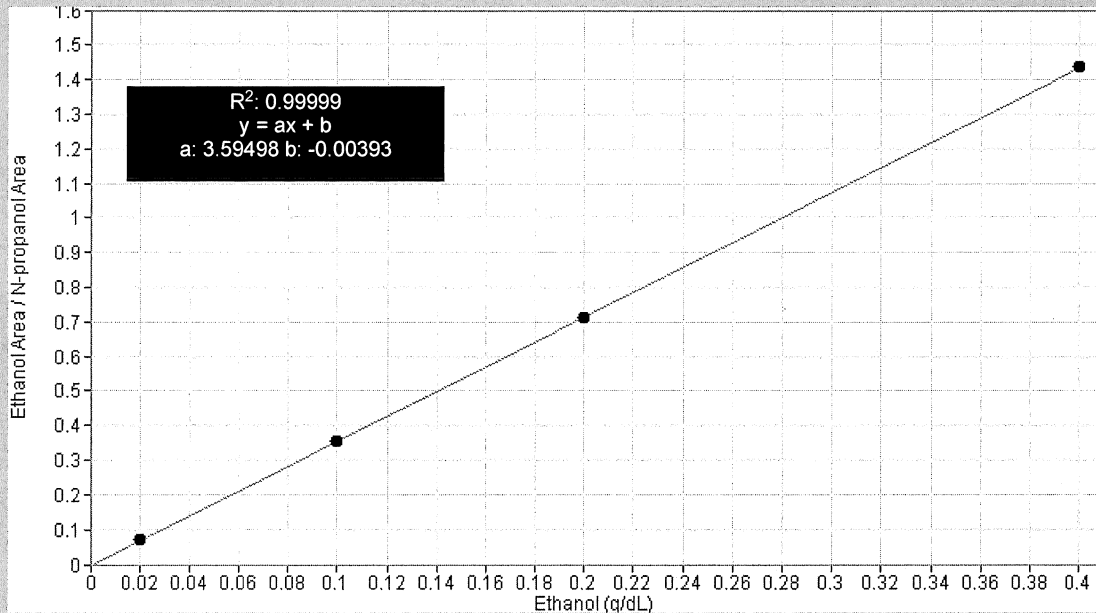
SEQUENCE NAME: 120ct21

ANALYST: Abbott *DA*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 071521AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.399	0.400	0.25	-0.001
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.200 4101018274/9	9	0.203	0.200	1.50	0.003
0.080 20012020-B	20	0.081	0.080	1.25	0.001
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.400 11092018-A	42	0.404	0.400	1.00	0.004
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.200 4101018274/9	44	0.204	0.200	2.00	0.004
blank 111020WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.648	167.916	0.069
0.100	59.829	168.600	0.355
0.200	120.311	168.629	0.714
0.400	241.746	168.468	1.435

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06141806	Vial: 1
Description: 0.020 calibrator	Sequence: 12Oct21
Method: ethanol quant.M	Injection date: 10/12/2021 11:37:07 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>Abbott</i>
Data file: C:\Chem32\1\Data\12Oct21\1.D	

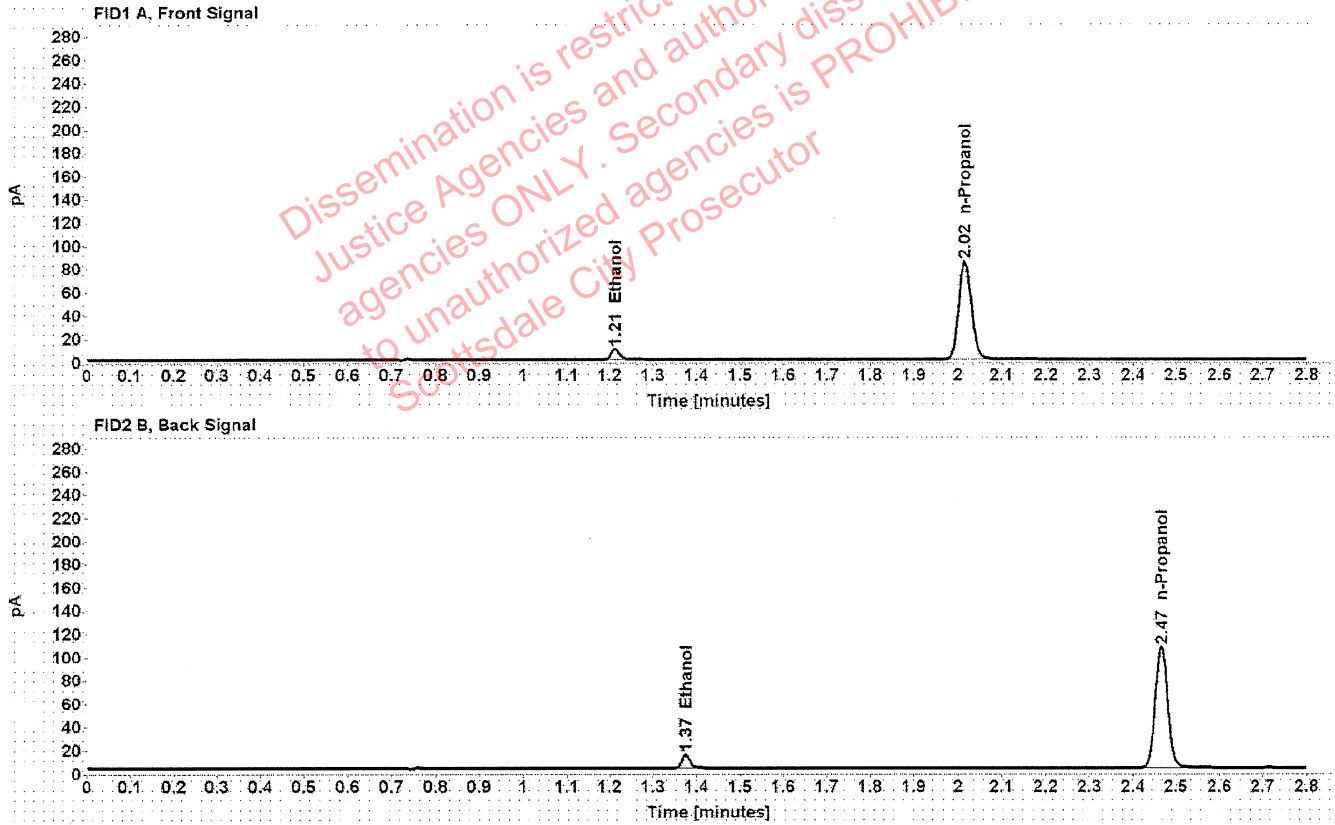


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.648
n-Propanol	2.015	167.916

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.570
n-Propanol	2.465	209.245

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05311902	Vial: 2
Description: 0.100 calibrator	Sequence: 12Oct21
Method: ethanol quant.M	Injection date: 10/12/2021 11:41:07 AM
Instrument: US14173023 CN14160045	Analyst: Abbott JAN
Data file: C:\Chem32\1\Data\12Oct21\2.D	

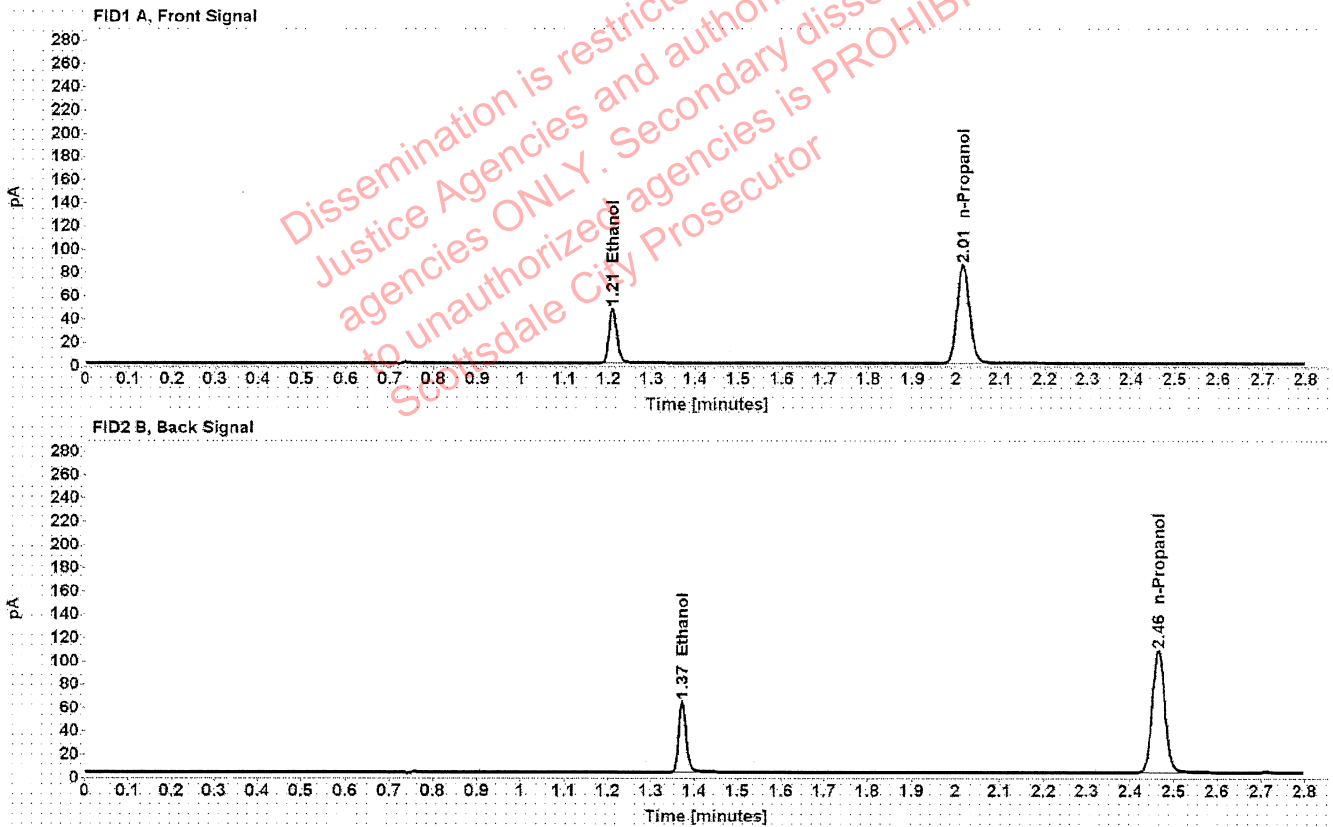


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	59.829
n-Propanol	2.015	168.600

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

Compound	Time (min)	Peak Area
Ethanol	1.372	74.820
n-Propanol	2.464	210.236

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05101903	Vial:	3
Description:	0.200 calibrator	Sequence:	12Oct21
Method:	ethanol quant.M	Injection date:	10/12/2021 11:45:08 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>JA</i>
Data file:	C:\Chem32\1\Data\12Oct21\3.D		

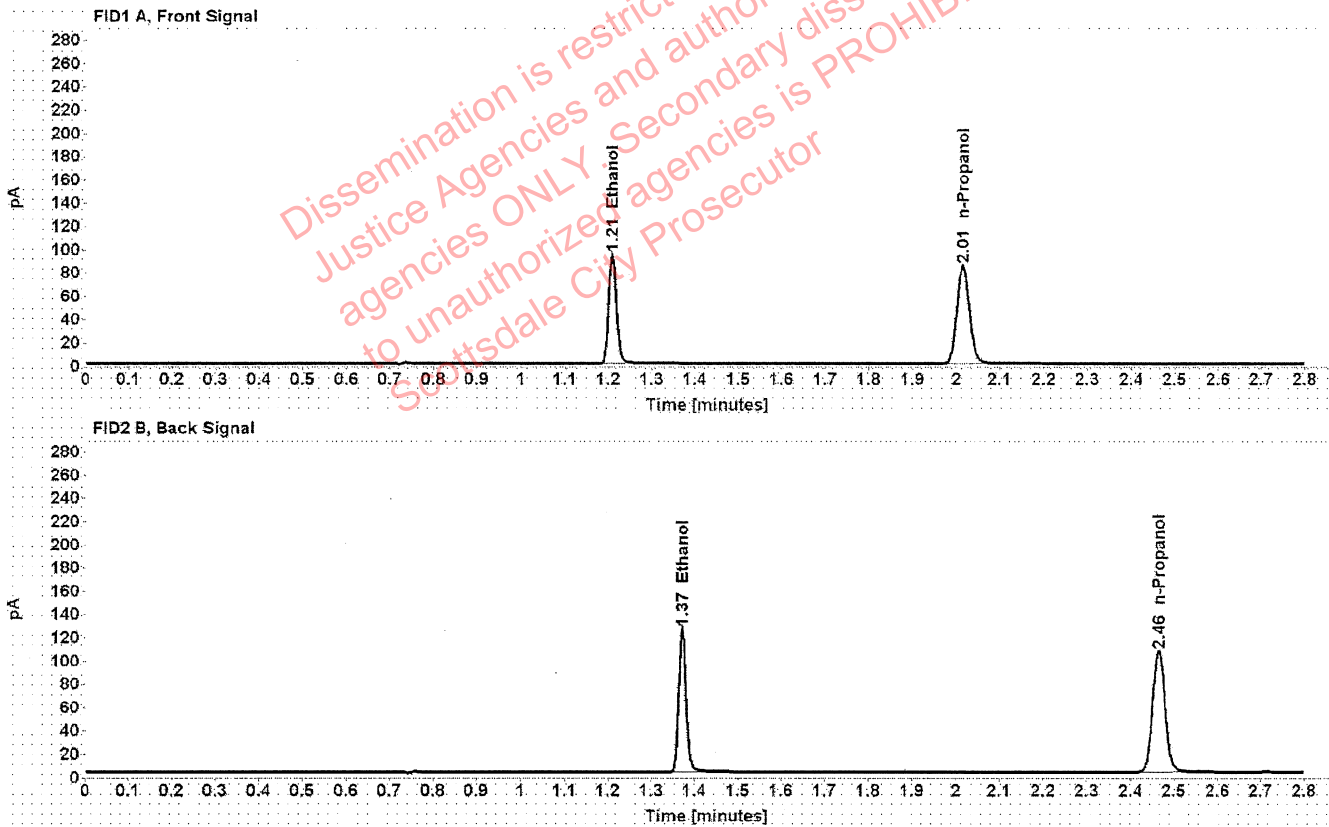


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.311
n-Propanol	2.015	168.629

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

Compound	Time (min)	Peak Area
Ethanol	1.372	151.121
n-Propanol	2.464	210.128

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN10051906	Vial:	4
Description:	0.400 calibrator	Sequence:	12Oct21
Method:	ethanol quant.M	Injection date:	10/12/2021 11:49:07 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>JA</i>
Data file:	C:\Chem321\Data\12Oct21\4.D		

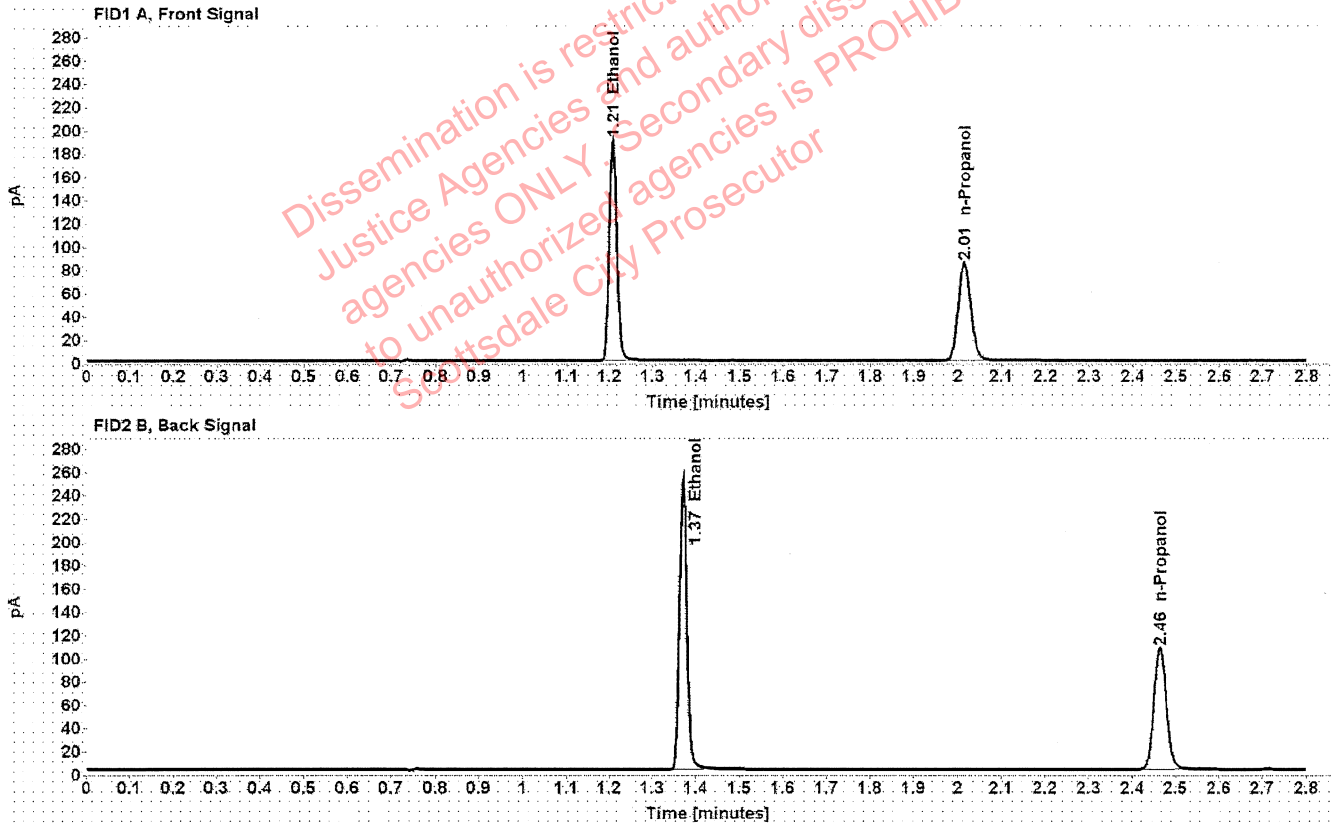


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	241.746
n-Propanol	2.014	168.468

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

Compound	Time (min)	Peak Area
Ethanol	1.371	304.560
n-Propanol	2.464	210.022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	071521AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 11:53:07 AM
Data file:	C:\Chem32\1\Data\12Oct21\5.D	Analyst:	Abbott <i>du</i>

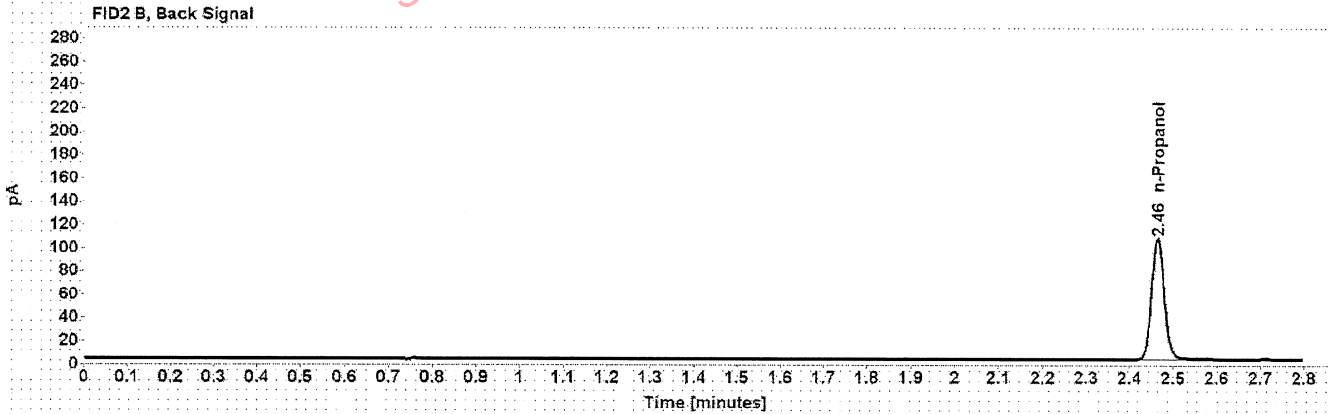
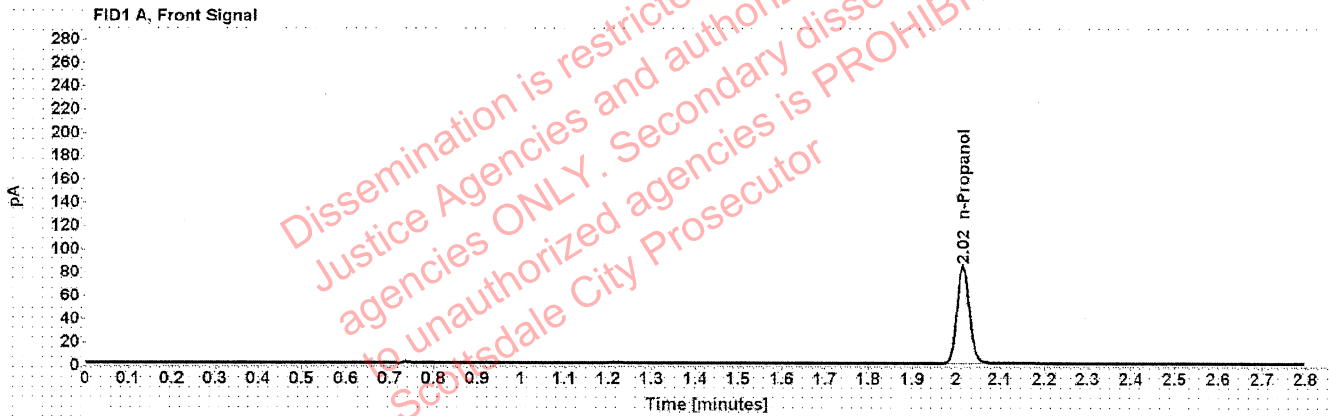


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	167.168

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	208.526

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 12Oct21
Instrument: US14173023 CN14160045	Injection date: 10/12/2021 11:57:07 AM
Data file: C:\Chem3211\Data\12Oct21\6.D	Analyst: Abbott <i>DA</i>

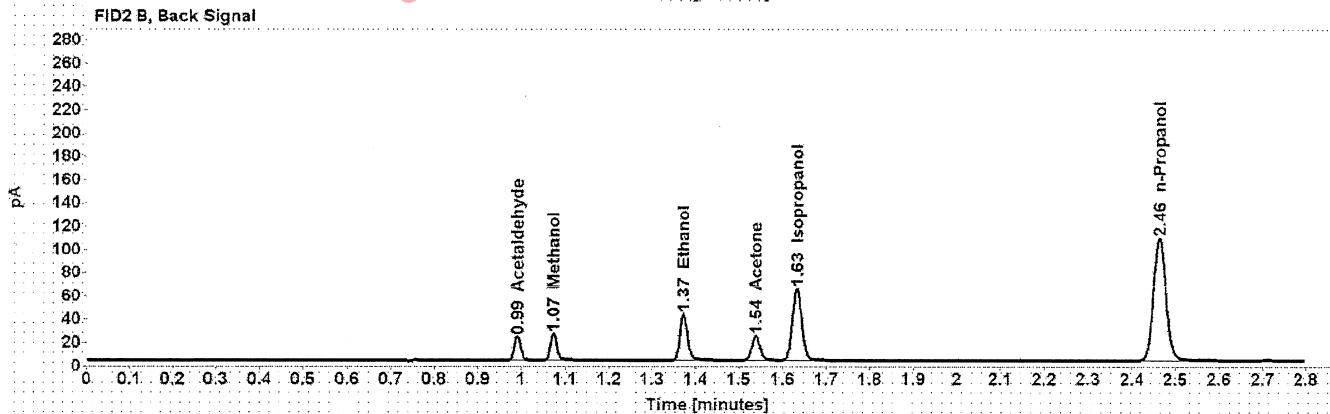
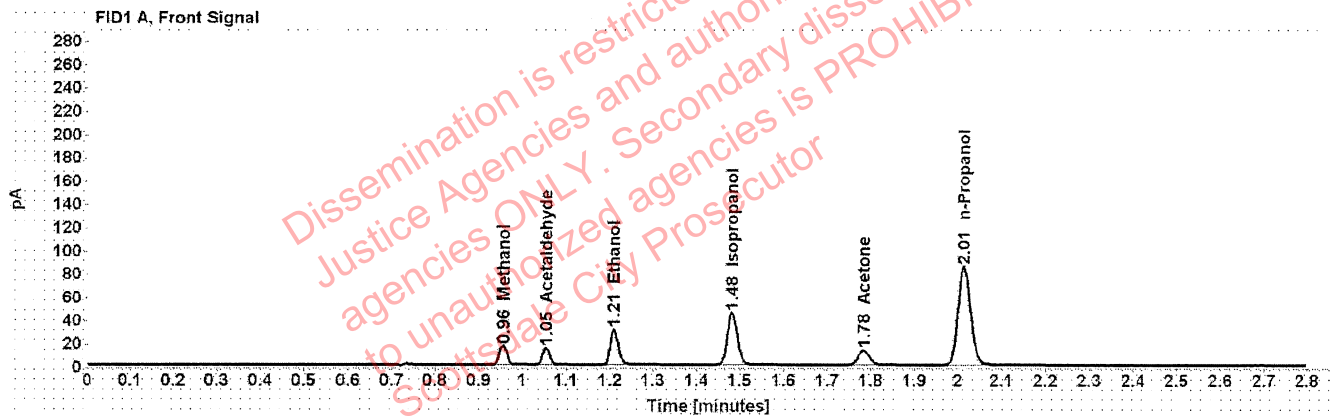


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.931
Acetaldehyde	-----	1.054	15.823
>Ethanol	0.0653	1.210	39.093
Isopropanol	-----	1.482	72.016
Acetone	-----	1.784	21.816
n-Propanol	-----	2.014	169.484

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.990	20.529
Methanol	1.074	24.290
Ethanol	1.372	49.104
Acetone	1.539	27.512
Isopropanol	1.633	92.364
n-Propanol	2.464	211.654

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:01:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\7.D	Analyst:	Abbott JRA

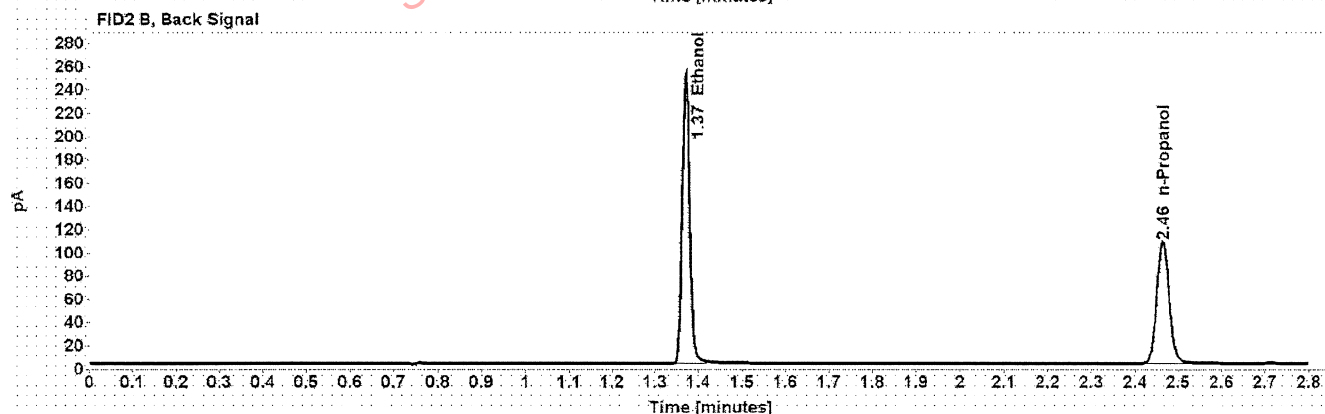
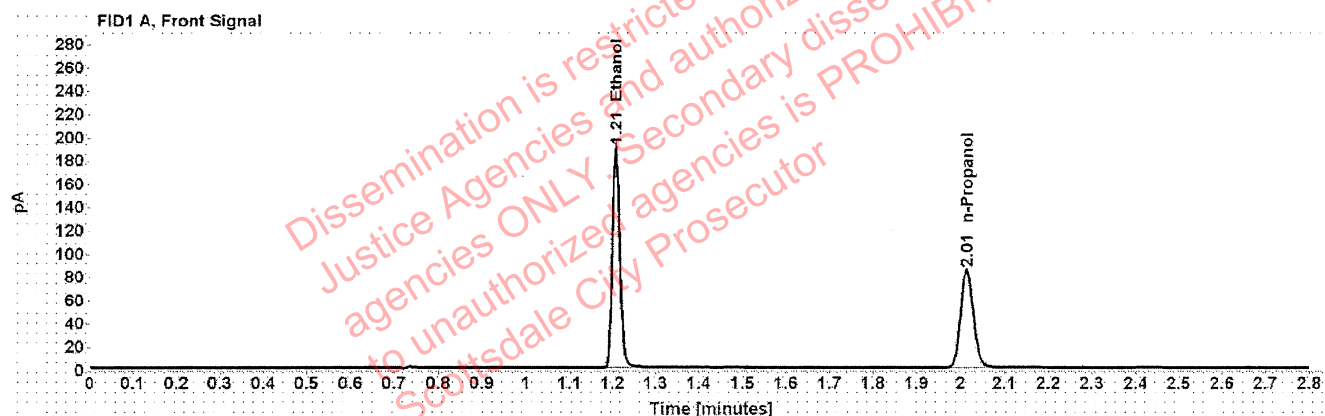


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3994	1.208	241.661
n-Propanol	-----	2.014	168.753

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

Compound	Time (min)	Peak Area
Ethanol	1.371	304.904
n-Propanol	2.464	210.836

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:05:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\8.D	Analyst:	Abbott <i>JA</i>

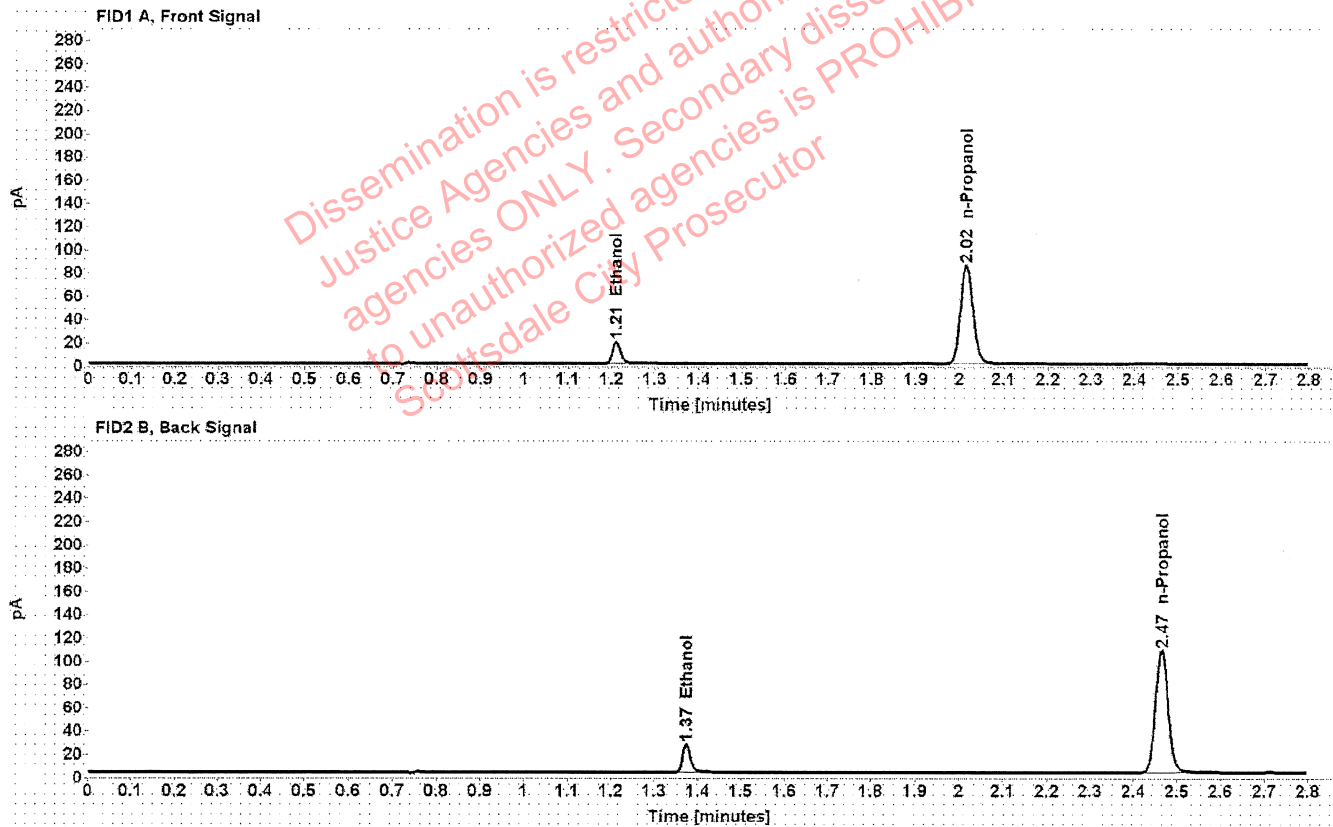


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.211	24.208
n-Propanol	-----	2.015	168.978

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.411
n-Propanol	2.465	211.278

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4101018274/9	Vial: 9
Description: 0.200	LIMS ID:
Method: ethanol quant.M	Sequence: 12Oct21
Instrument: US14173023 CN14160045	Injection date: 10/12/2021 12:09:23 PM
Data file: C:\Chem32\1\Data\12Oct21\9.D	Analyst: Abbott <i>Abbott</i>

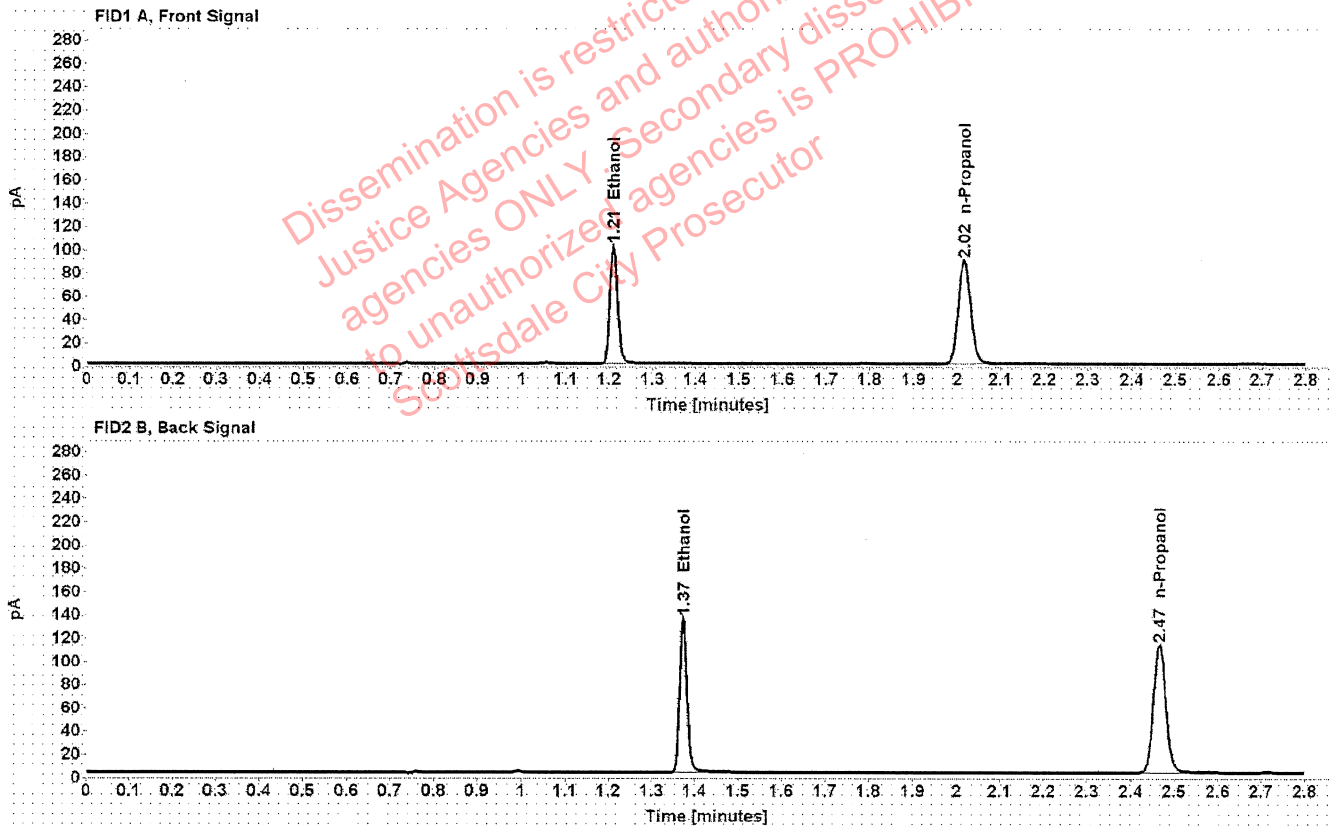


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2037	1.210	129.317
n-Propanol	-----	2.016	177.545

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

Compound	Time (min)	Peak Area
Ethanol	1.374	163.301
n-Propanol	2.466	222.405

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 12Oct21
Instrument: US14173023 CN14160045	Injection date: 10/12/2021 12:53:52 PM
Data file: C:\Chem32\1\Data\12Oct21\20.D	Analyst: Abbott <i>Abbott</i>

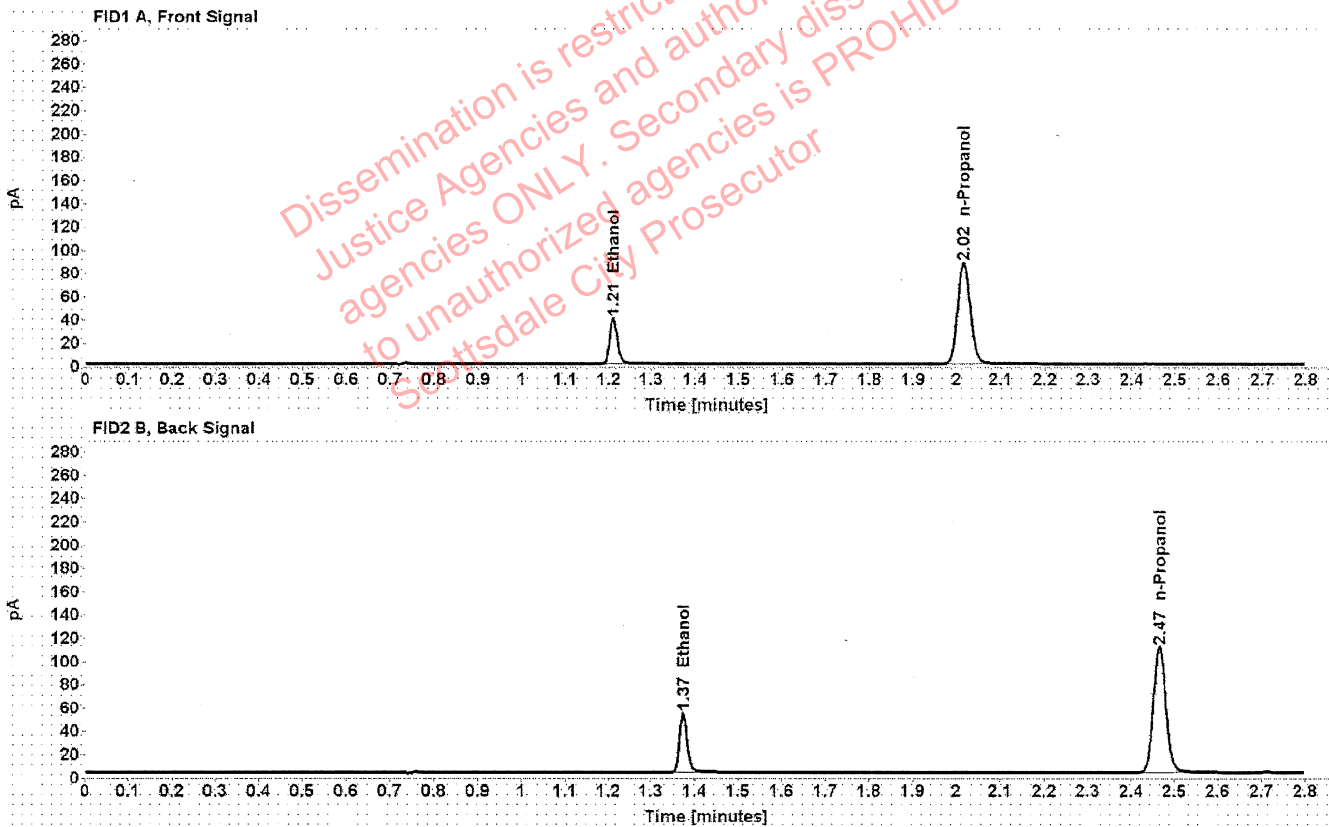


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0817	1.211	50.294
n-Propanol	-----	2.016	173.590

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.133
n-Propanol	2.466	217.689

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:38:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\31.D	Analyst:	Abbott <i>JA</i>

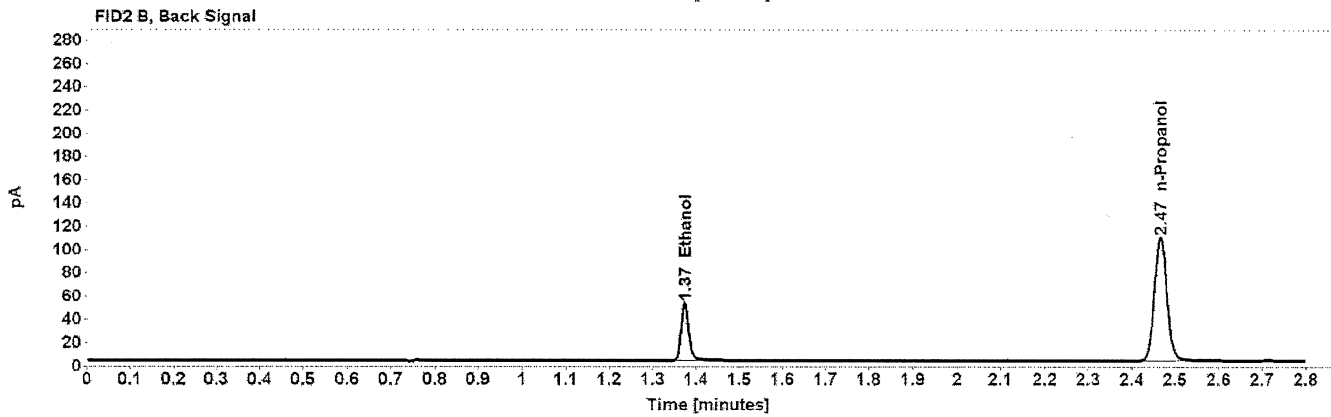
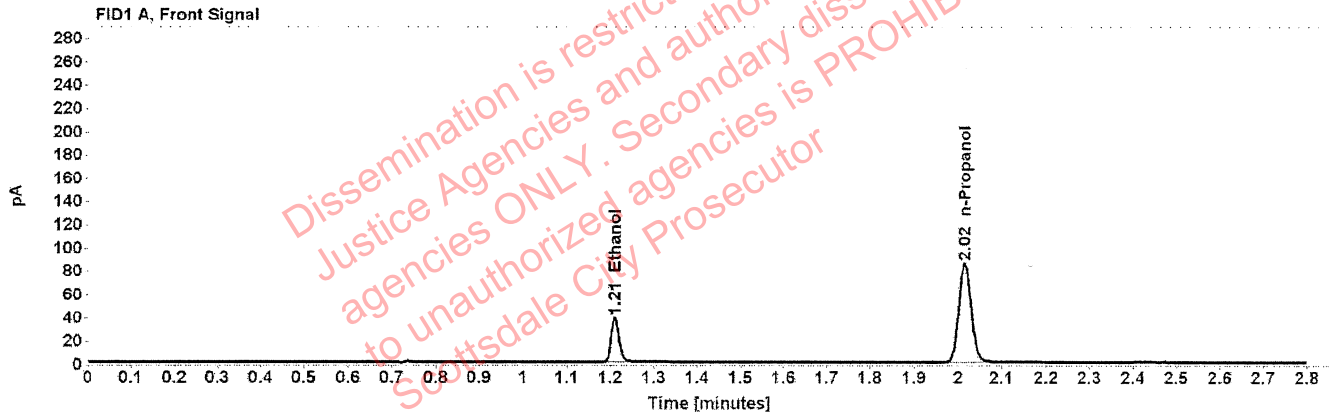


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0811	1.210	49.043
n-Propanol	-----	2.015	170.491

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.524
n-Propanol	2.465	213.934

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 12Oct21
Instrument: US14173023 CN14160045	Injection date: 10/12/2021 2:22:37 PM
Data file: C:\Chem32\1\Data\12Oct21\42.D	Analyst: Abbott <i>Abbott</i>

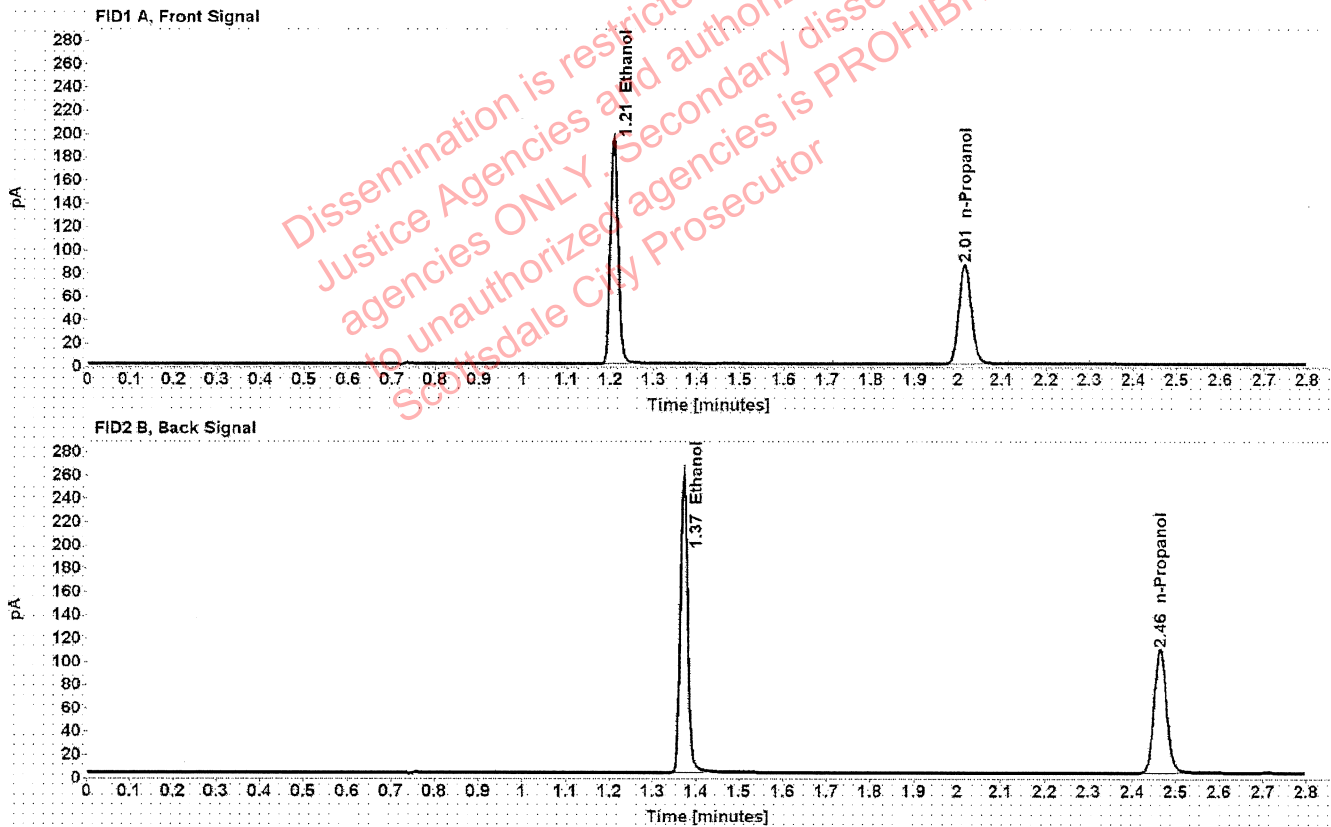


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4043	1.208	247.114
n-Propanol	-----	2.015	170.492

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

Compound	Time (min)	Peak Area
Ethanol	1.372	312.933
n-Propanol	2.465	214.279

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:26:52 PM
Data file:	C:\Chem32\1\Data\12Oct21\43.D	Analyst:	Abbott <i>JA</i>

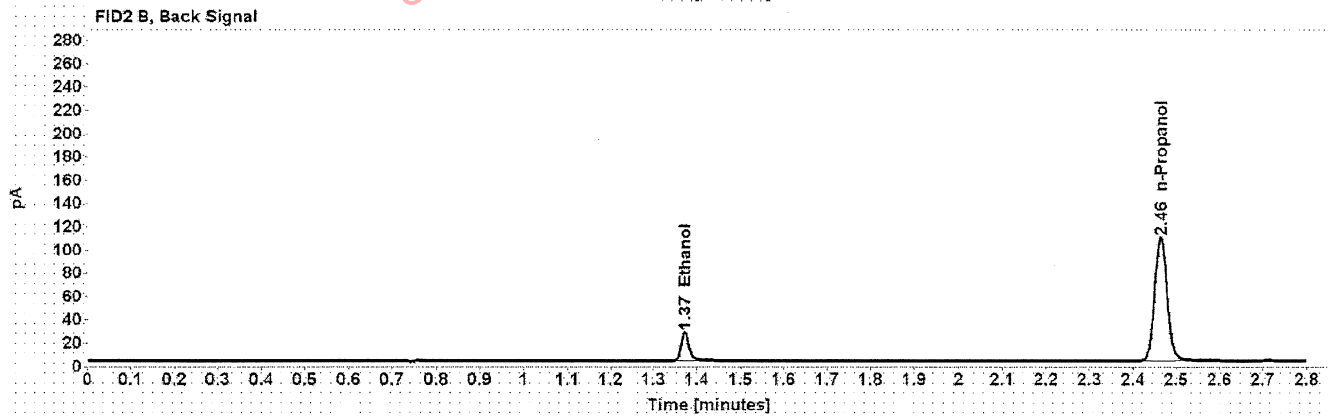
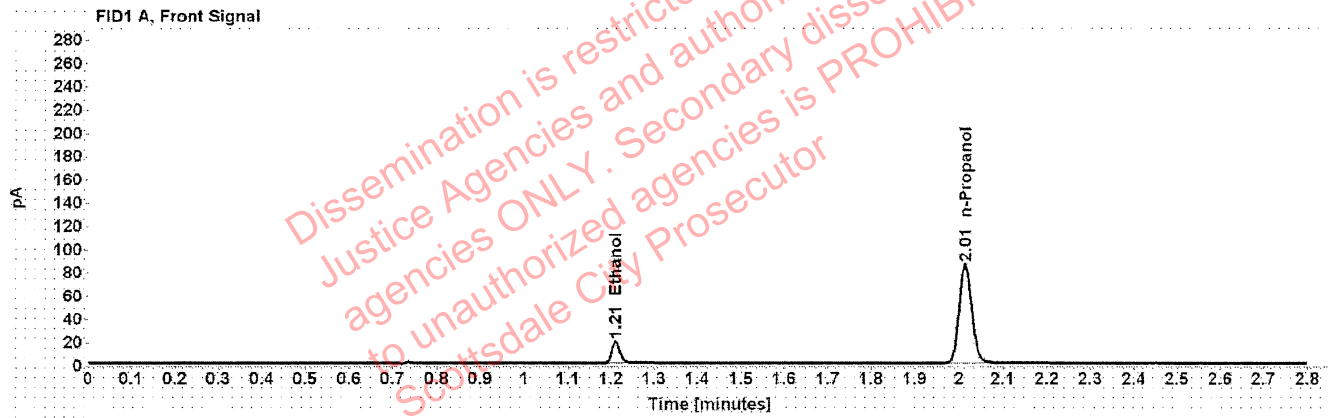


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.210	24.416
n-Propanol	-----	2.014	170.660

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

Compound	Time (min)	Peak Area
Ethanol	1.373	30.593
n-Propanol	2.464	214.099

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4101018274/9	Vial:	44
Description:	0.200	LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:30:51 PM
Data file:	C:\Chem32\1\Data\12Oct21\44.D	Analyst:	Abbott <i>JA</i>

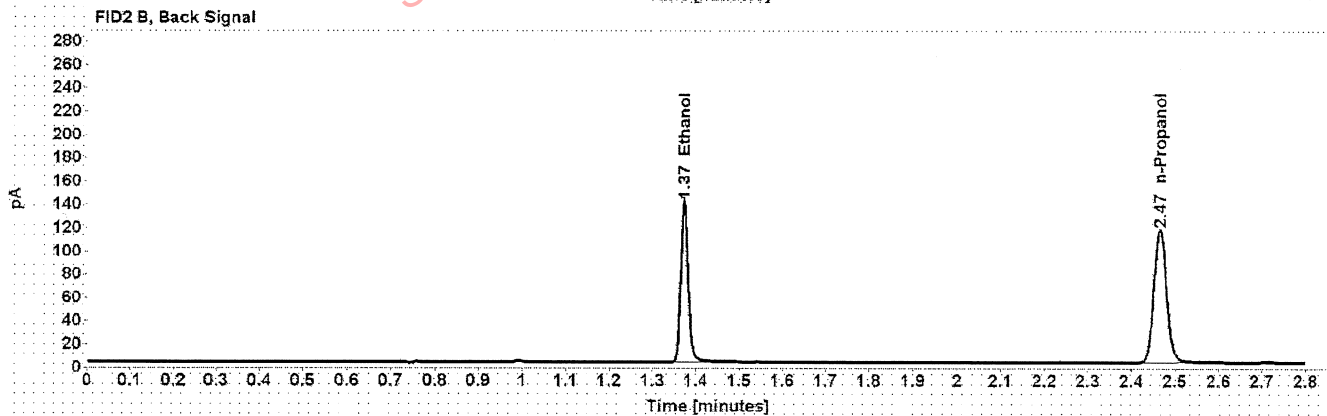
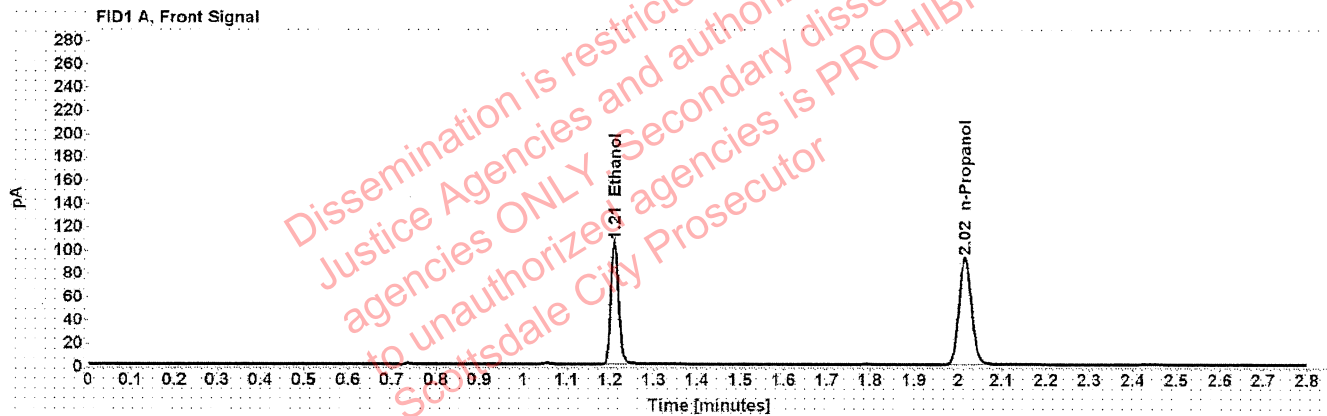


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2049	1.210	134.613
n-Propanol	-----	2.015	183.759

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

Compound	Time (min)	Peak Area
Ethanol	1.373	170.568
n-Propanol	2.466	230.970

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	111020WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:34:51 PM
Data file:	C:\Chem32\1\Data\12Oct21\45.D	Analyst:	Abbott <i>JA</i>

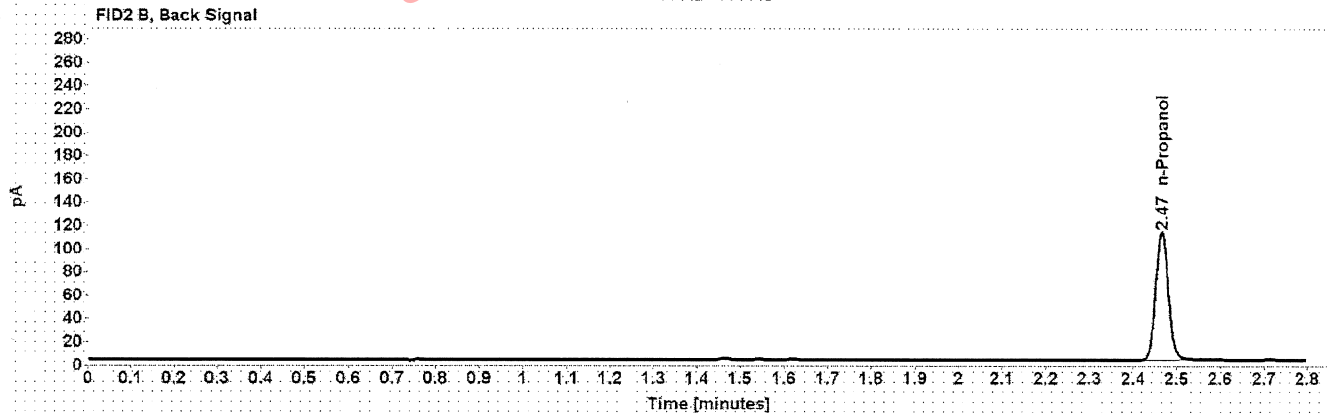
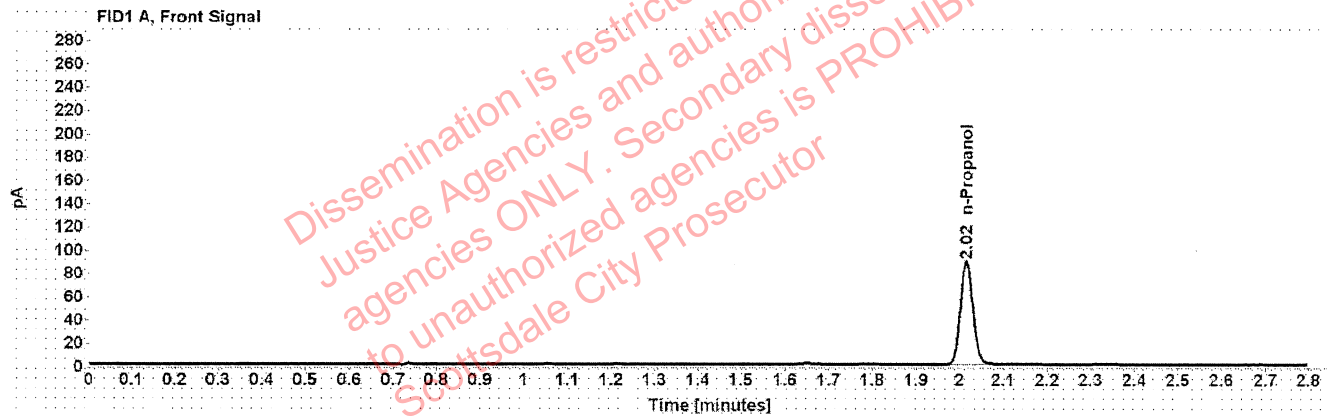


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	176.640

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	222.155

Sequence Summary

Sequence name: 12Oct21 Instrument: US14173023 CN14160045 Analyst: Abbott *pa*

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	071521AQ	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	4101018274/9	0.200	Control		ethanol quant.M
10	1370943		Sample		ethanol quant.M
11	1370943		Sample		ethanol quant.M
12	1391310		Sample		ethanol quant.M
13	1391310		Sample		ethanol quant.M
14	1391637		Sample		ethanol quant.M
15	1391637		Sample		ethanol quant.M
16	1363372		Sample		ethanol quant.M
17	1363372		Sample		ethanol quant.M
18	1391068		Sample		ethanol quant.M
19	1391068		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1387494		Sample		ethanol quant.M
22	1387494		Sample		ethanol quant.M
23	1391789		Sample		ethanol quant.M
24	1391789		Sample		ethanol quant.M
25	1370241		Sample		ethanol quant.M
26	1370241		Sample		ethanol quant.M
27	1391815		Sample		ethanol quant.M
28	1391815		Sample		ethanol quant.M
29	1386570		Sample		ethanol quant.M
30	1386570		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	34001DW		Sample		ethanol quant.M
33	34001DW		Sample		ethanol quant.M
34	1392041		Sample		ethanol quant.M
35	1392041		Sample		ethanol quant.M
36	1392469		Sample		ethanol quant.M
37	1392469		Sample		ethanol quant.M
38	1362412		Sample		ethanol quant.M
39	1362412		Sample		ethanol quant.M
40	1364988		Sample		ethanol quant.M
41	1364988		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4101018274/9	0.200	Control		ethanol quant.M
45	111020WB	Negative	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized agencies only. Second dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 12Oct21

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2144	0.2148	0.21460	0.09	0.00020
12 13	0.1605	0.1591	0.15980	0.44	0.00070
14 15	0.1491	0.1455	0.14730	1.22	0.00180
16 17	0.1011	0.1022	0.10165	0.54	0.00055
18 19	0.3036	0.3054	0.30450	0.30	0.00090
21 22	0.2162	0.2170	0.21660	0.18	0.00040
23 24	0.1028	0.1033	0.10305	0.24	0.00025
25 26	0.2394	0.2401	0.23975	0.15	0.00035
27 28	0.2169	0.2188	0.21785	0.44	0.00095
29 30	0.1905	0.1894	0.18995	0.29	0.00055
32 33	0.0780	0.0780	0.07800	0.00	0.00000
34 35	0.0989	0.0988	0.09885	0.05	0.00005
36 37	0.1794	0.1802	0.17980	0.22	0.00040
38 39	0.3191	0.3211	0.32010	0.31	0.00100
40 41	0.1829	0.1847	0.18380	0.49	0.00090

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1370943	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:13:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\10.D	Analyst:	Abbott

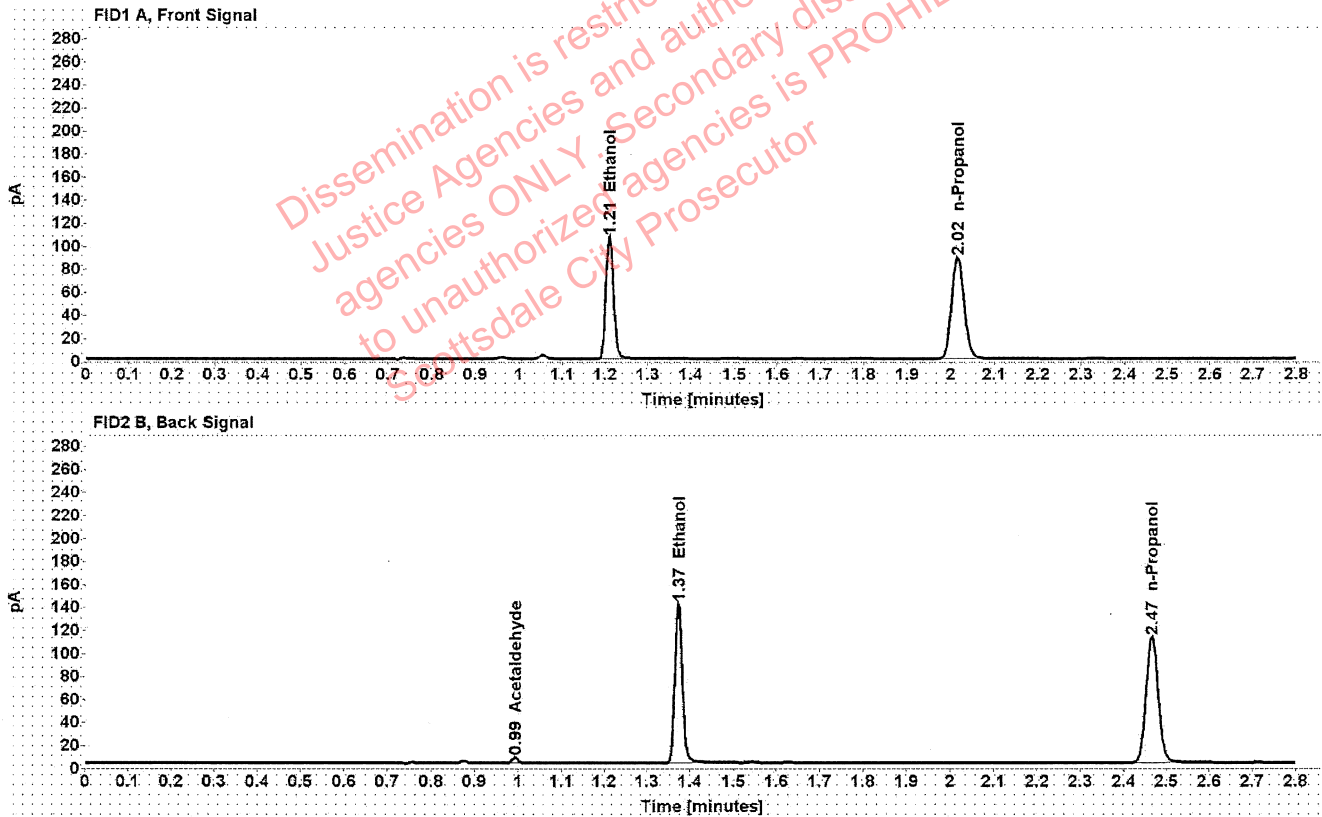


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2144	1.210	134.944
n-Propanol	-----	2.016	175.952

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.528
Ethanol	1.373	169.779
n-Propanol	2.466	220.492

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1370943	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:17:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\11.D	Analyst:	Abbott

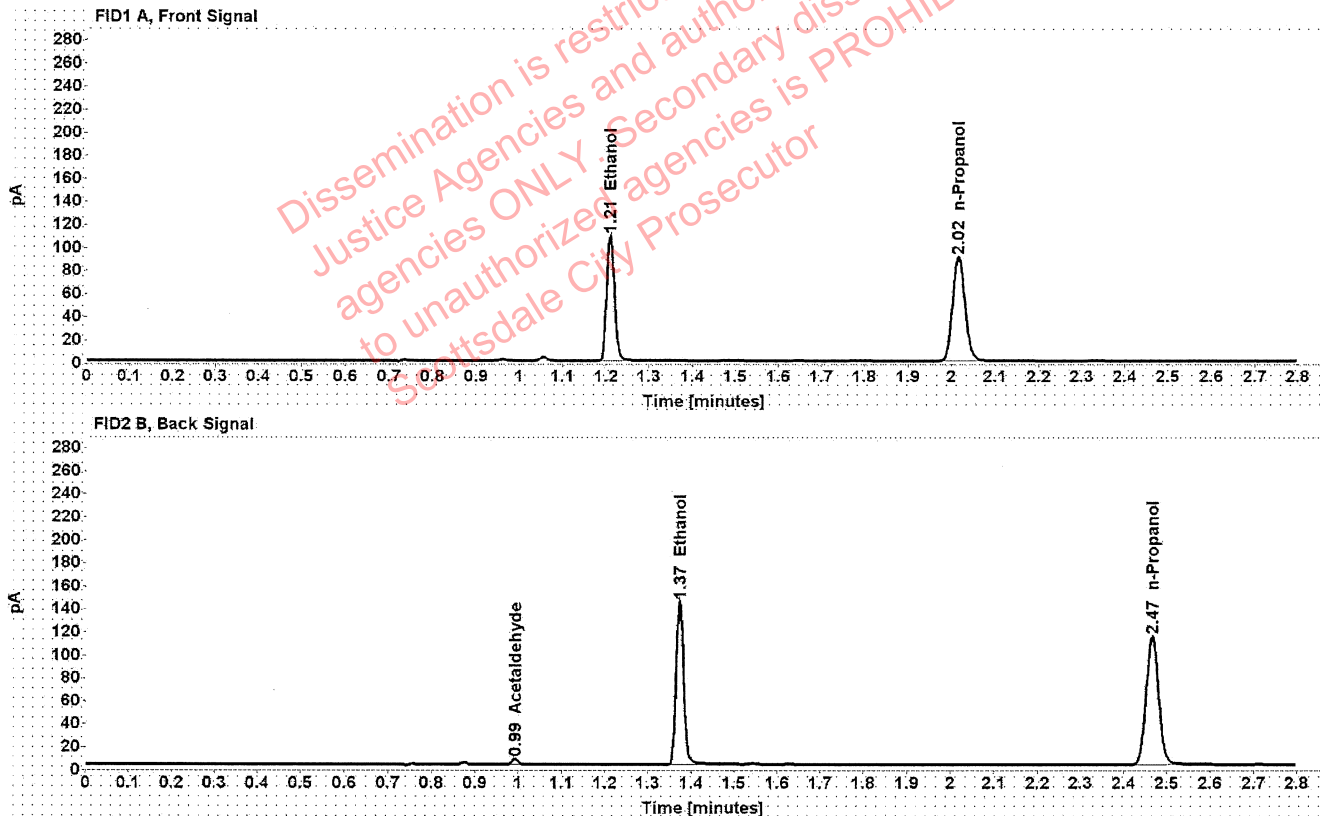


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2148	1.210	138.042
n-Propanol	-----	2.016	179.641

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.610
Ethanol	1.373	174.192
n-Propanol	2.466	225.216

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1391310	Vial: 12
Description:	LIMS ID:
Method: ethanol quant.M	Sequence: 12Oct21
Instrument: US14173023 CN14160045	Injection date: 10/12/2021 12:21:22 PM
Data file: C:\Chem32\1\Data\12Oct21\12.D	Analyst: Abbott

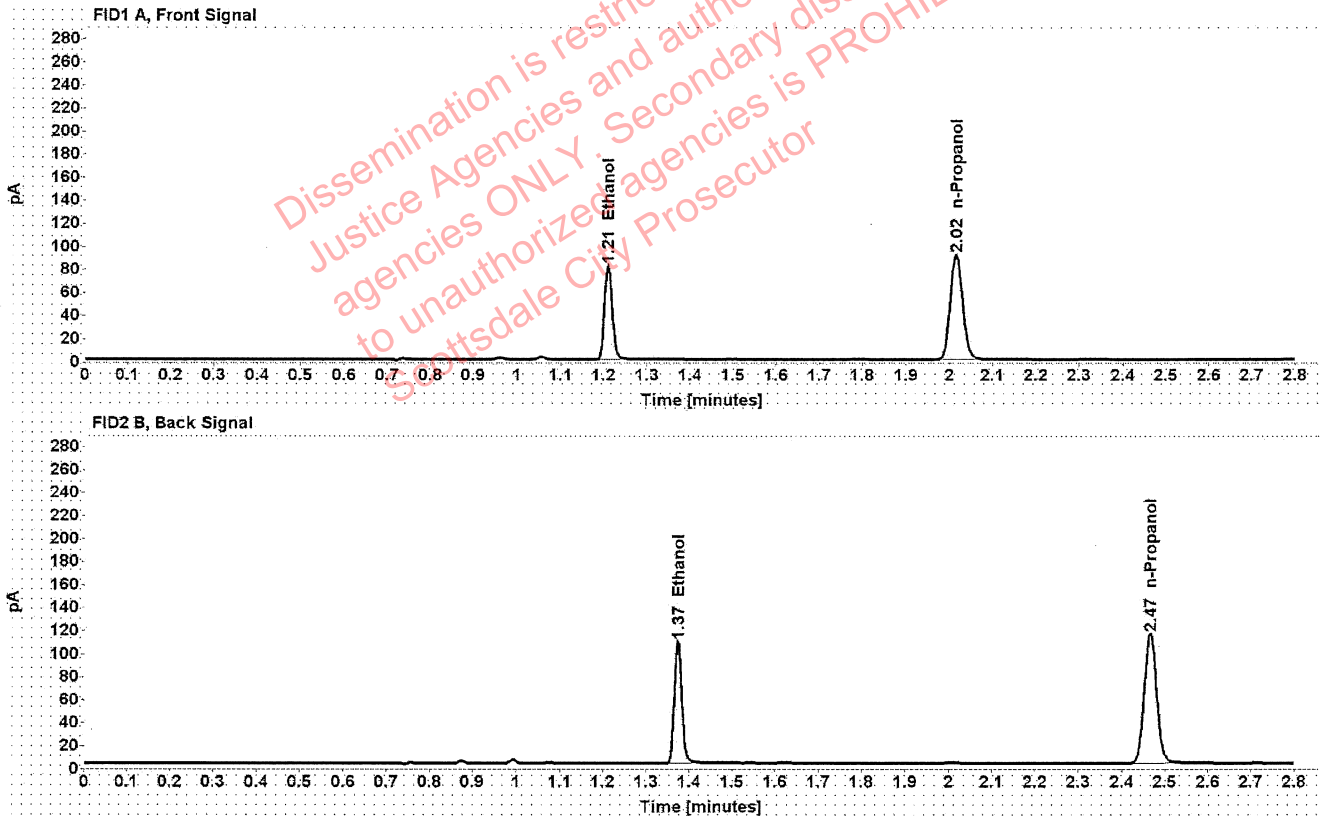


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1605	1.210	103.497
n-Propanol	-----	2.016	180.616

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

Compound	Time (min)	Peak Area
Ethanol	1.374	130.139
n-Propanol	2.466	227.103

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391310	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:25:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\13.D	Analyst:	Abbott

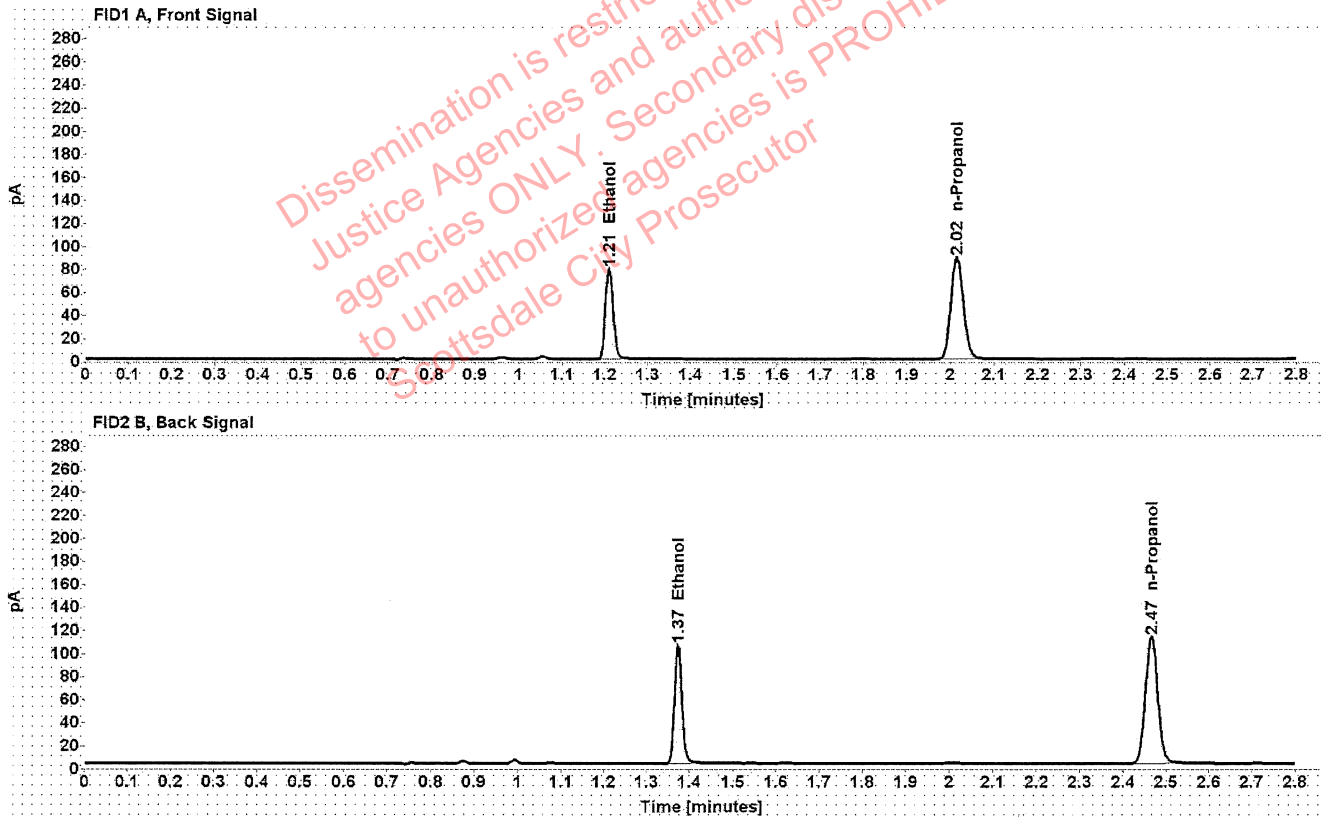


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1591	1.210	100.119
n-Propanol	-----	2.015	176.279

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

Compound	Time (min)	Peak Area
Ethanol	1.373	125.746
n-Propanol	2.466	221.476

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391637	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:29:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\14.D	Analyst:	Abbott

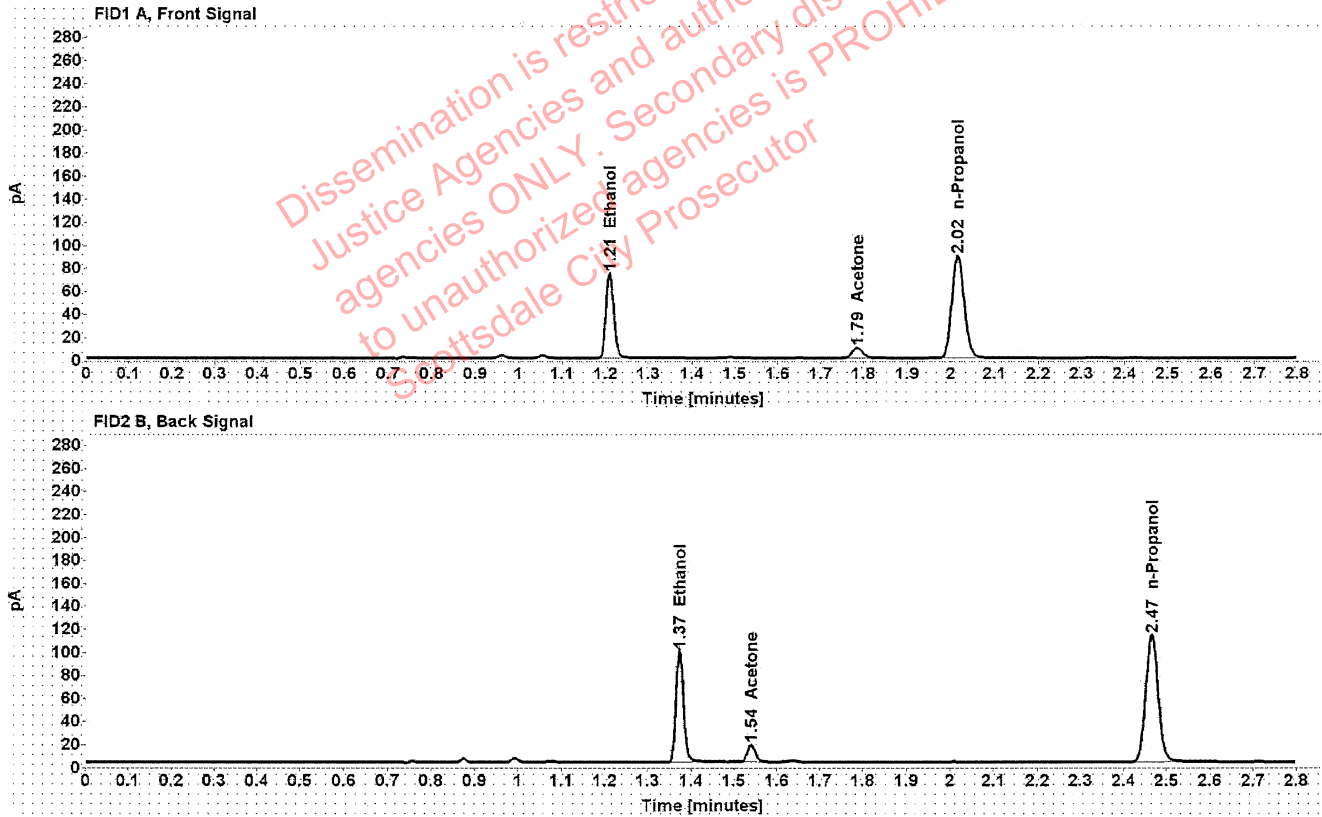


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1491	1.210	94.102
Acetone	-----	1.785	15.451
n-Propanol	-----	2.015	176.869

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

Compound	Time (min)	Peak Area
Ethanol	1.373	118.381
Acetone	1.541	19.309
n-Propanol	2.466	221.357

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391637	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:33:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\15.D	Analyst:	Abbott

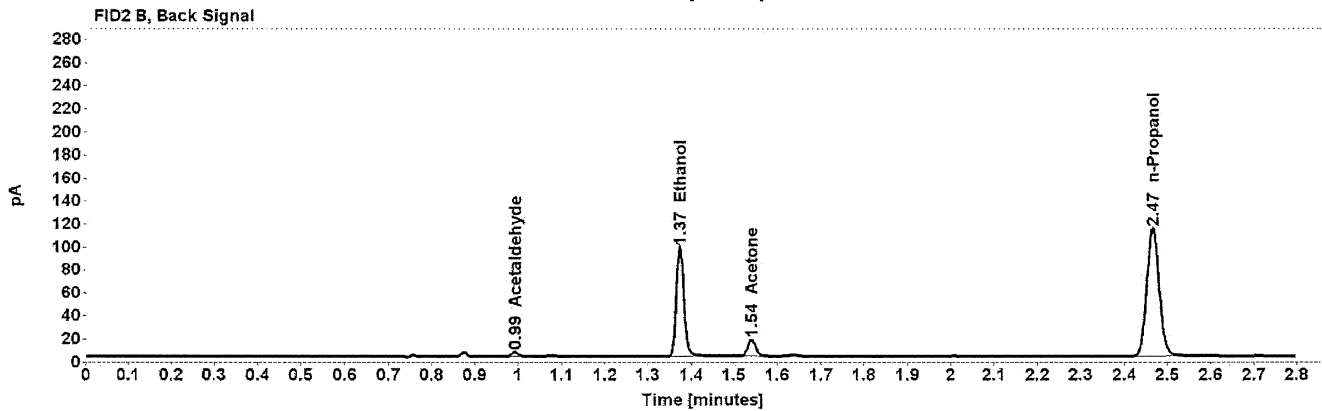
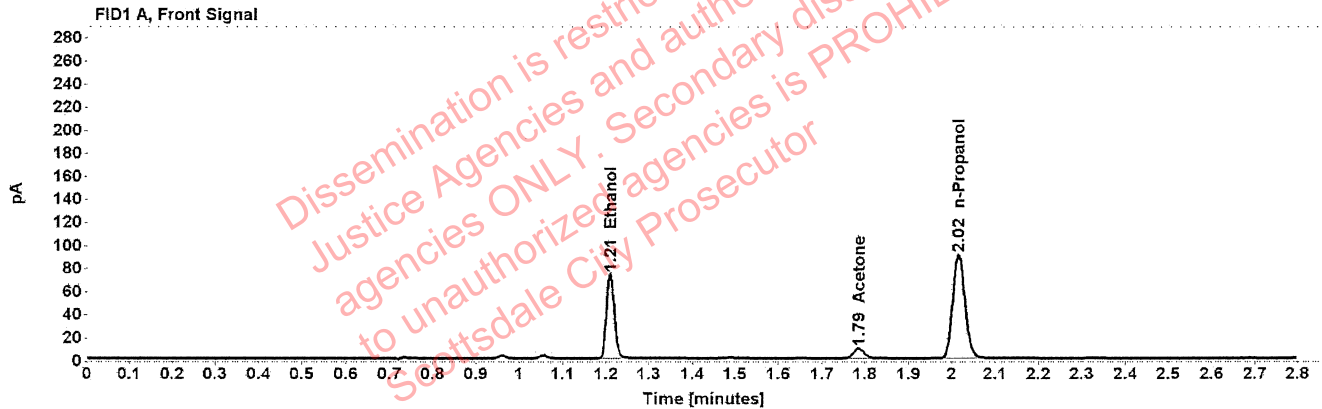


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1455	1.210	93.140
Acetone	-----	1.785	15.071
n-Propanol	-----	2.016	179.445

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.807
Ethanol	1.374	117.288
Acetone	1.541	18.844
n-Propanol	2.466	224.599

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363372	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:37:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\16.D	Analyst:	Abbott

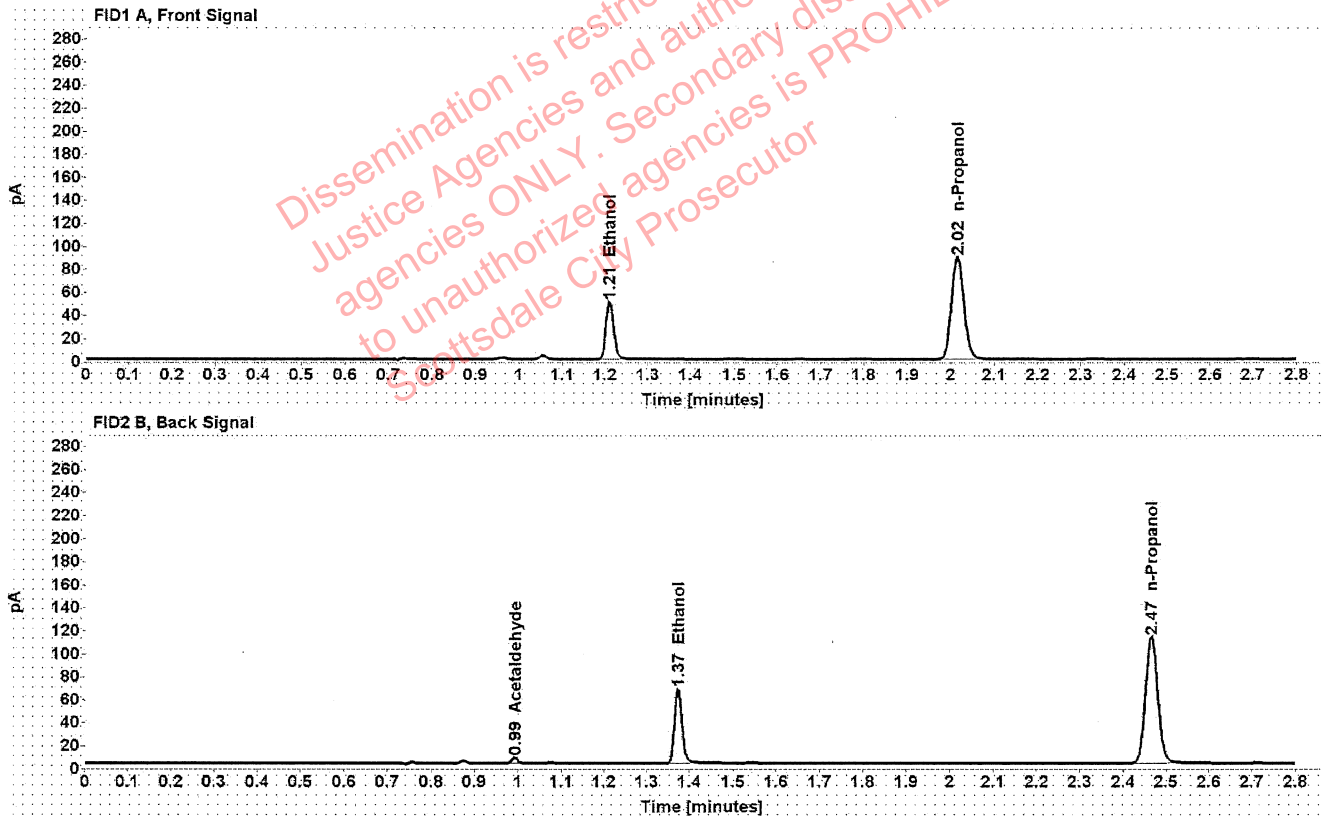


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1011	1.210	63.602
n-Propanol	-----	2.016	176.914

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.590
Ethanol	1.374	79.586
n-Propanol	2.466	222.115

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363372	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:41:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\17.D	Analyst:	Abbott

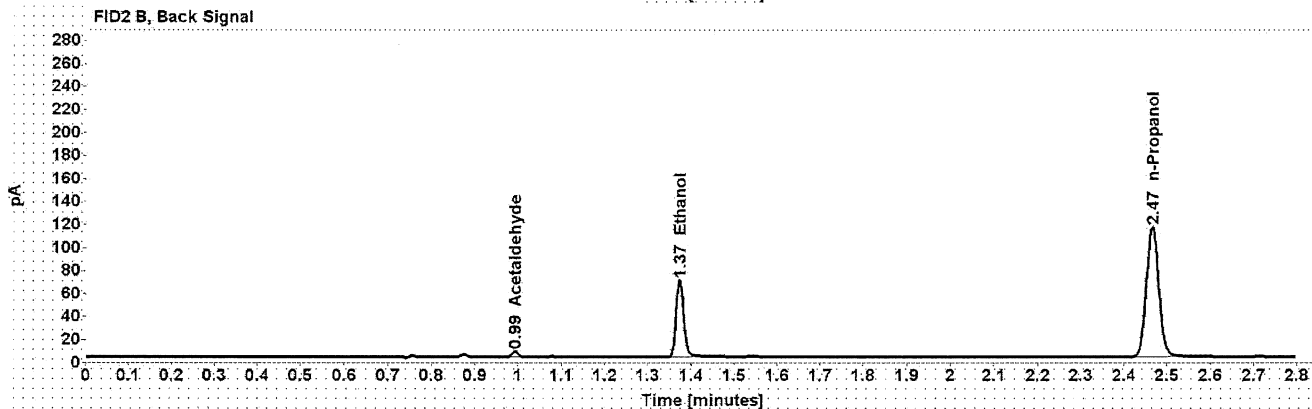
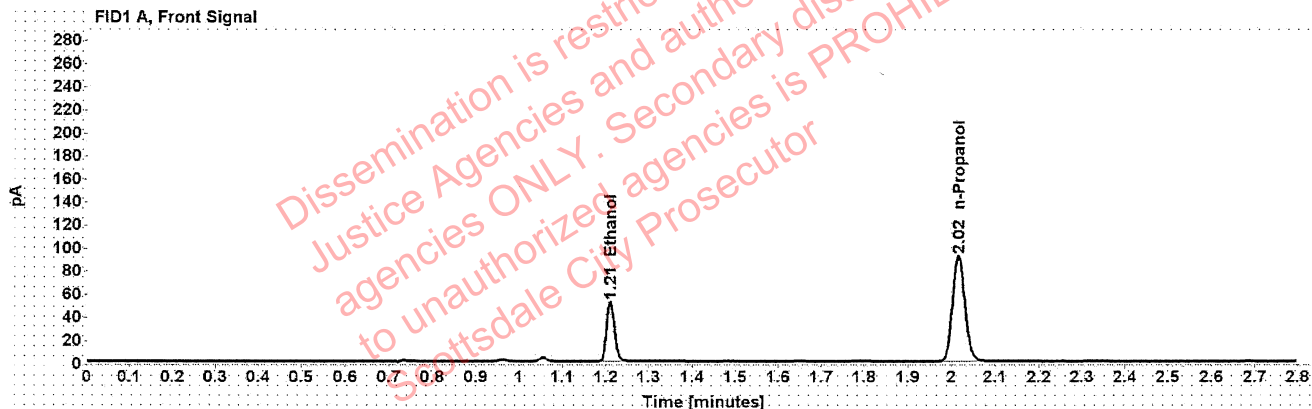


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1022	1.211	65.995
n-Propanol	-----	2.016	181.493

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.595
Ethanol	1.374	82.486
n-Propanol	2.466	227.906

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391068	Vial:	18
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:45:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\18.D	Analyst:	Abbott

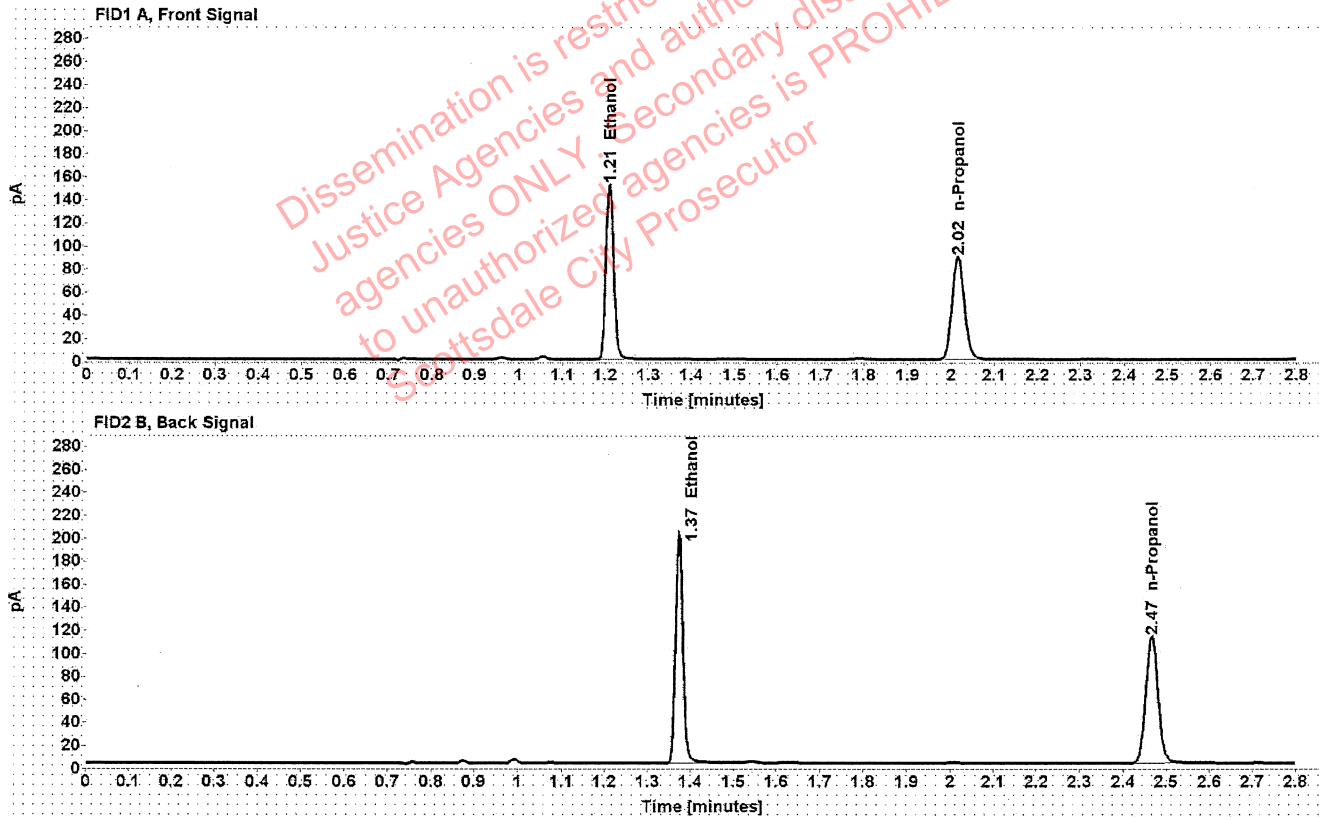


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3036	1.209	192.159
n-Propanol	-----	2.016	176.699

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

Compound	Time (min)	Peak Area
Ethanol	1.373	244.067
n-Propanol	2.466	221.834

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391068	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:49:52 PM
Data file:	C:\Chem32\1\Data\12Oct21\19.D	Analyst:	Abbott

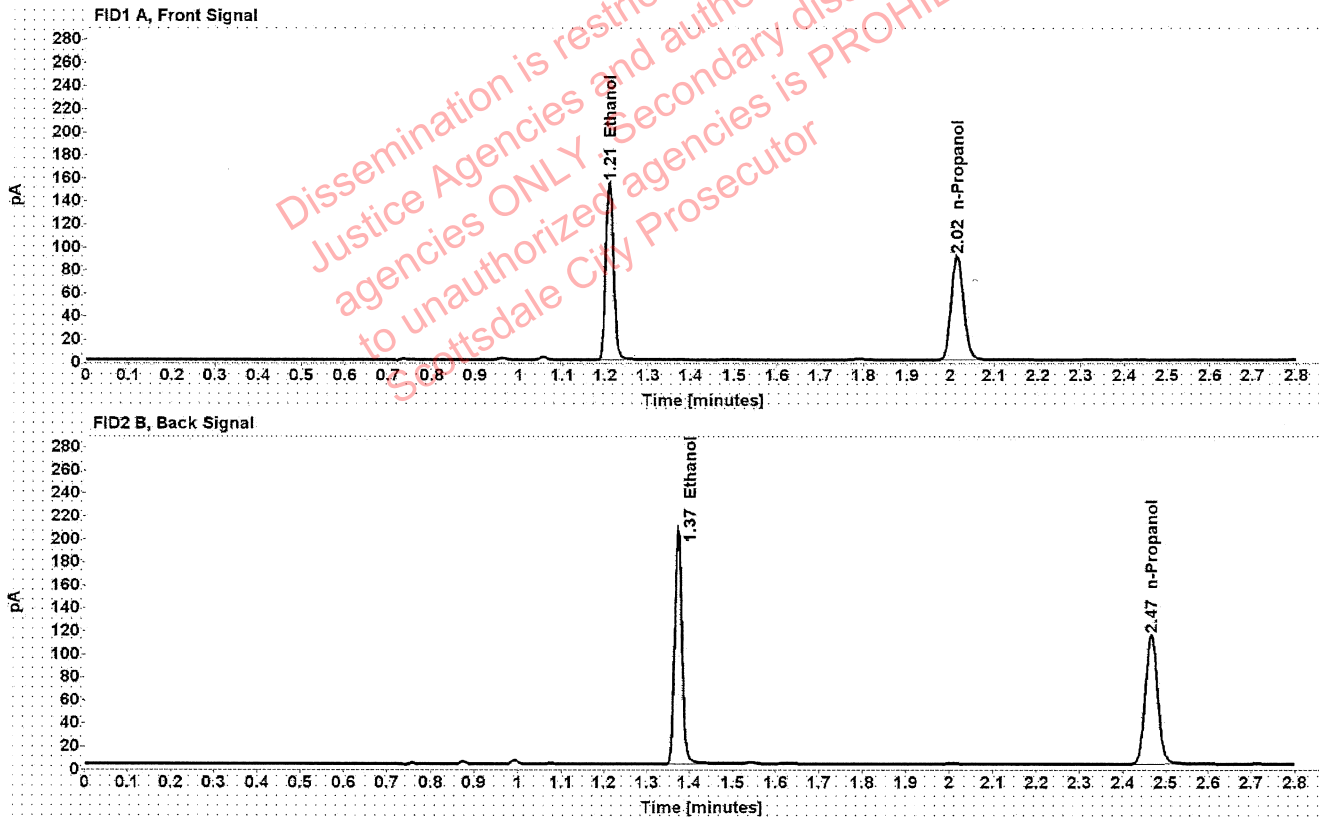


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3054	1.209	196.984
n-Propanol	-----	2.016	180.059

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

Compound	Time (min)	Peak Area
Ethanol	1.373	250.071
n-Propanol	2.466	226.179

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1387494	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 12:57:52 PM
Data file:	C:\Chem32\1\Data\12Oct21\21.D	Analyst:	Abbott

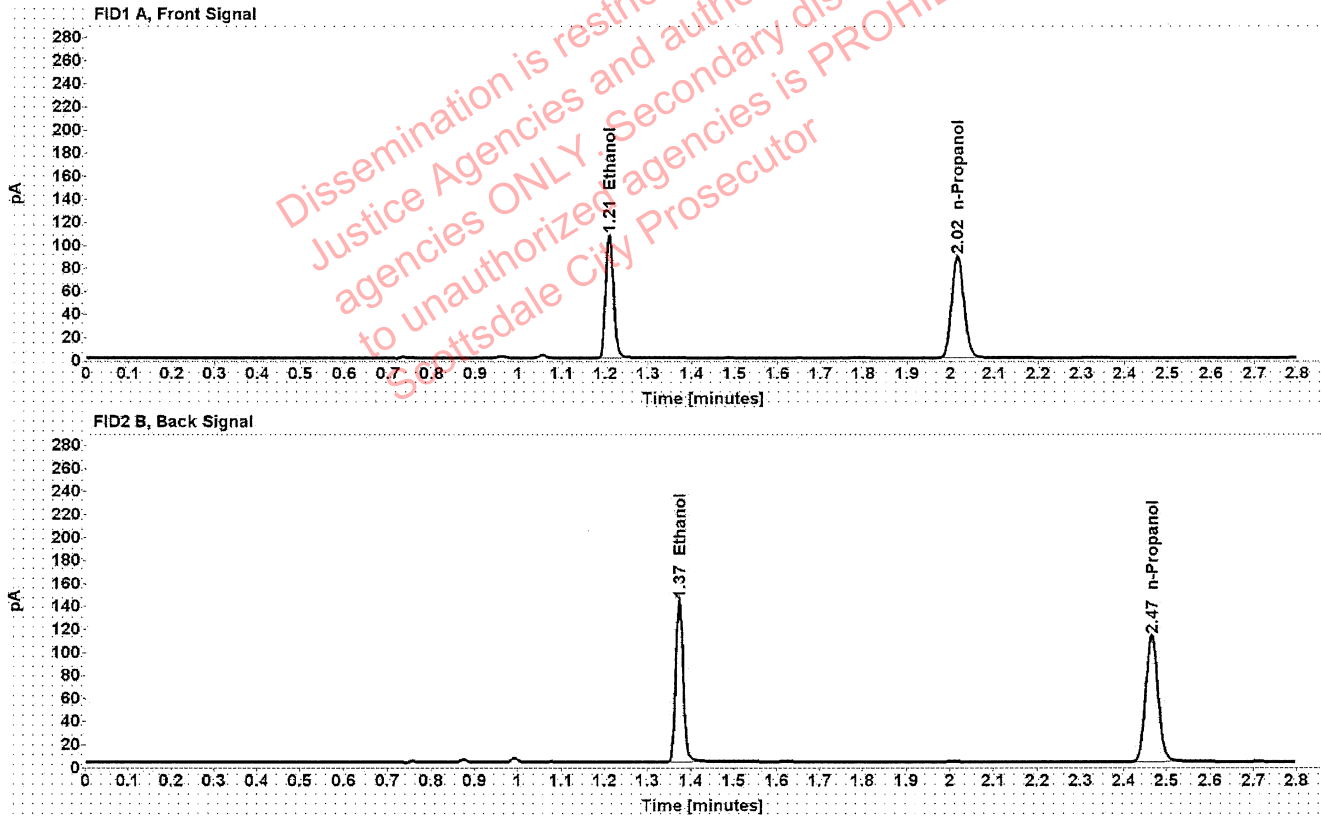


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2162	1.210	135.976
n-Propanol	-----	2.015	175.823

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

Compound	Time (min)	Peak Area
Ethanol	1.373	171.233
n-Propanol	2.466	220.882

[REDACTED]: Abbott, Lori - (12-Oct-2021)

Case: [REDACTED] User: LAbbott 10/12/2021

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1387494	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:01:52 PM
Data file:	C:\Chem32\1\Data\12Oct21\22.D	Analyst:	Abbott

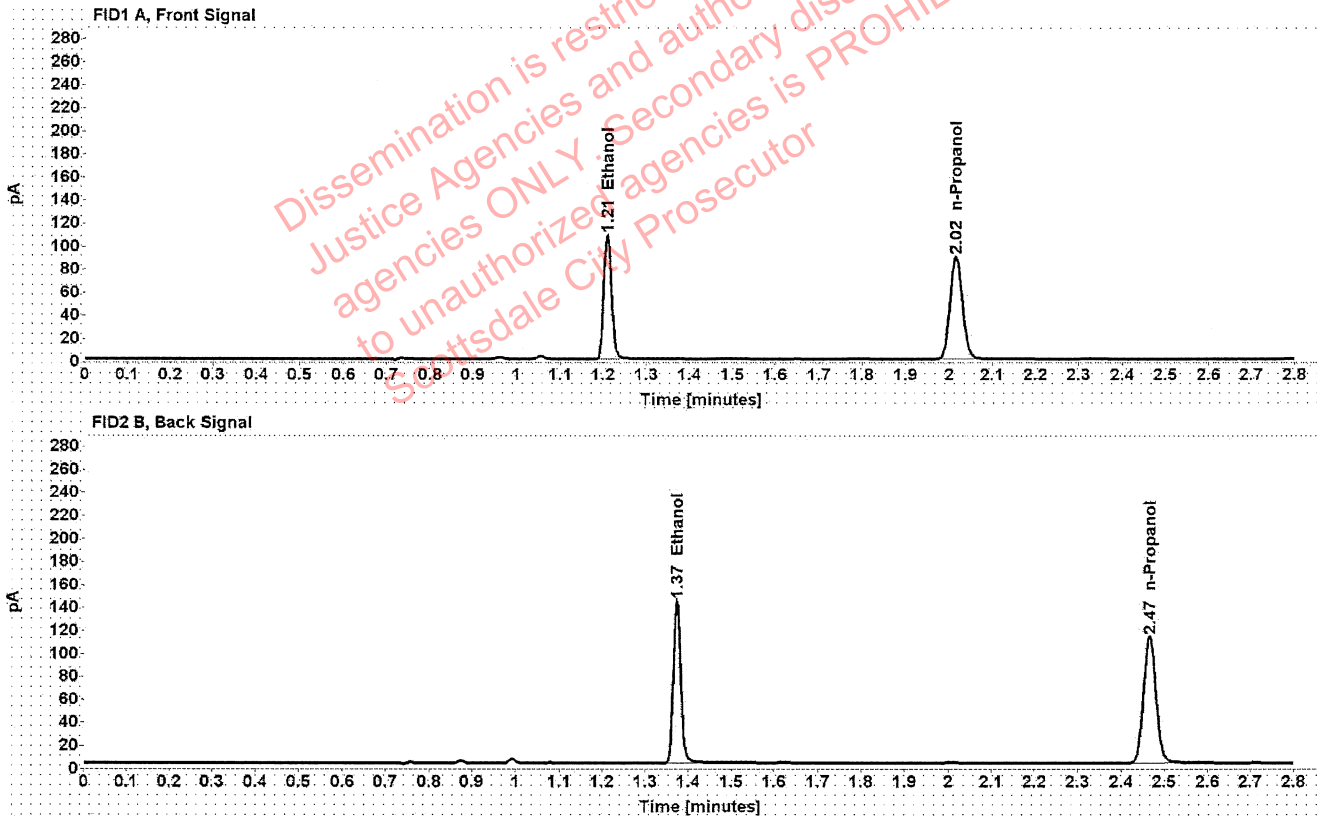


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2170	1.210	137.410
n-Propanol	-----	2.015	177.062

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

Compound	Time (min)	Peak Area
Ethanol	1.373	174.802
n-Propanol	2.466	222.499

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391789	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:05:51 PM
Data file:	C:\Chem32\1\Data\12Oct21\23.D	Analyst:	Abbott

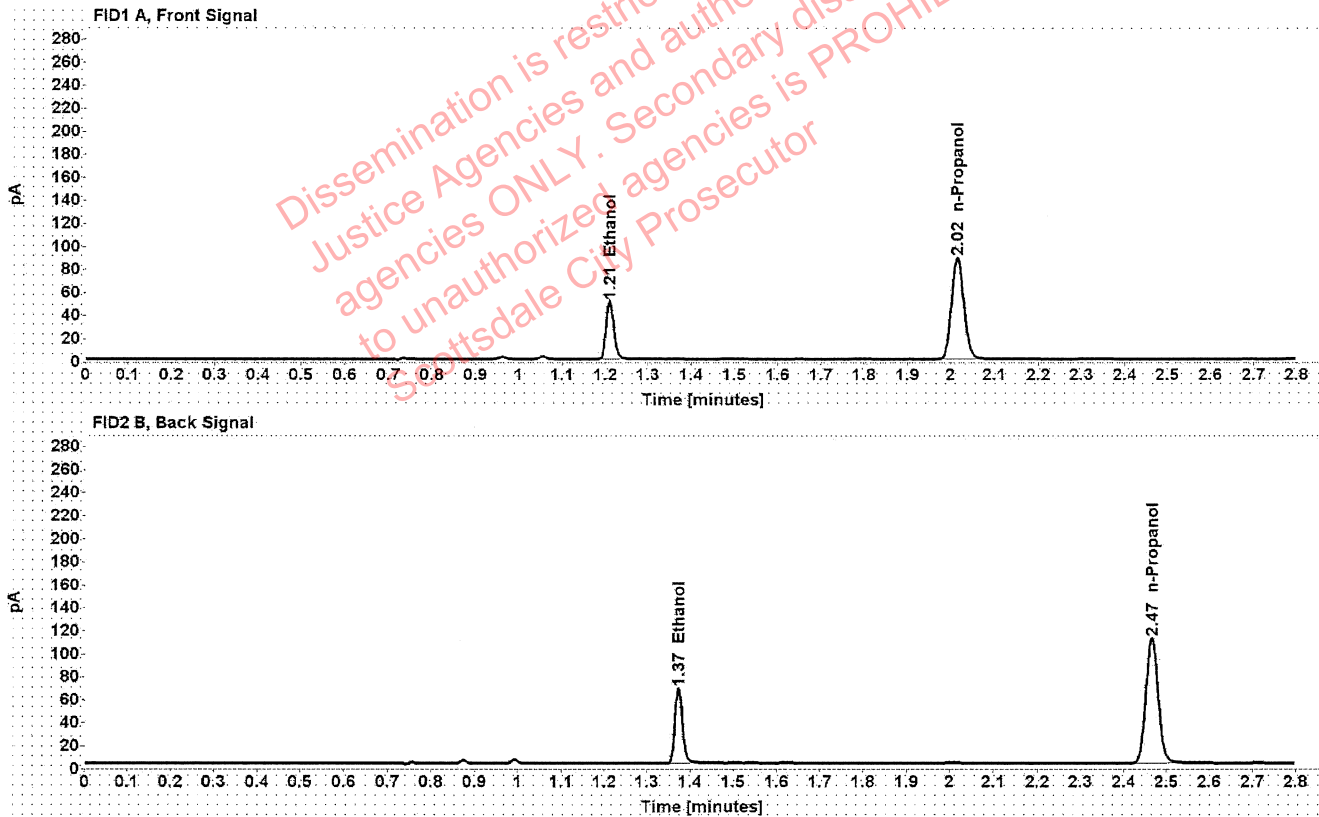


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1028	1.210	64.083
n-Propanol	-----	2.016	175.192

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

Compound	Time (min)	Peak Area
Ethanol	1.374	80.272
n-Propanol	2.466	220.567

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391789	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:09:52 PM
Data file:	C:\Chem32\1\Data\12Oct21\24.D	Analyst:	Abbott

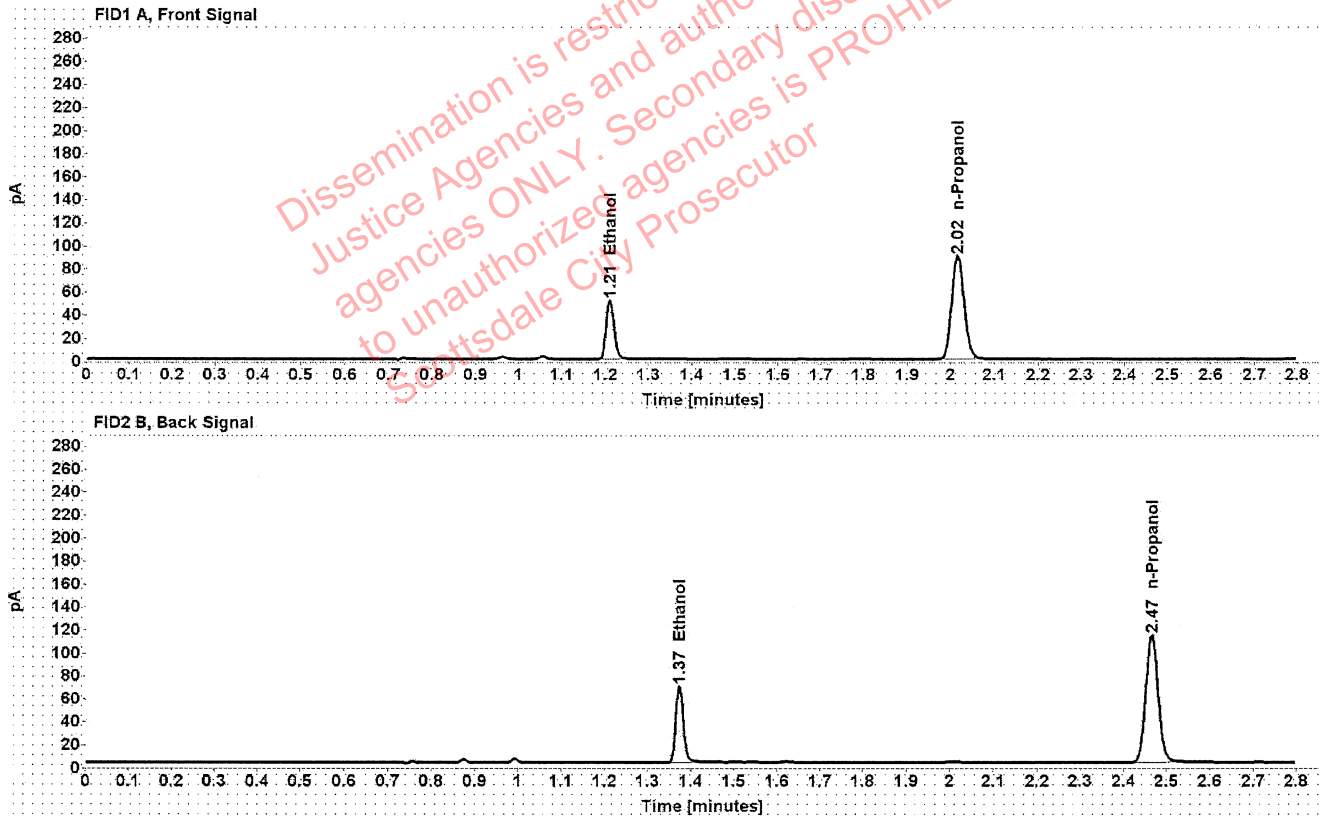


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1033	1.210	65.243
n-Propanol	-----	2.016	177.607

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

Compound	Time (min)	Peak Area
Ethanol	1.374	81.558
n-Propanol	2.466	223.697

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1370241	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:14:07 PM
Data file:	C:\Chem32\1\Data\12Oct21\25.D	Analyst:	Abbott

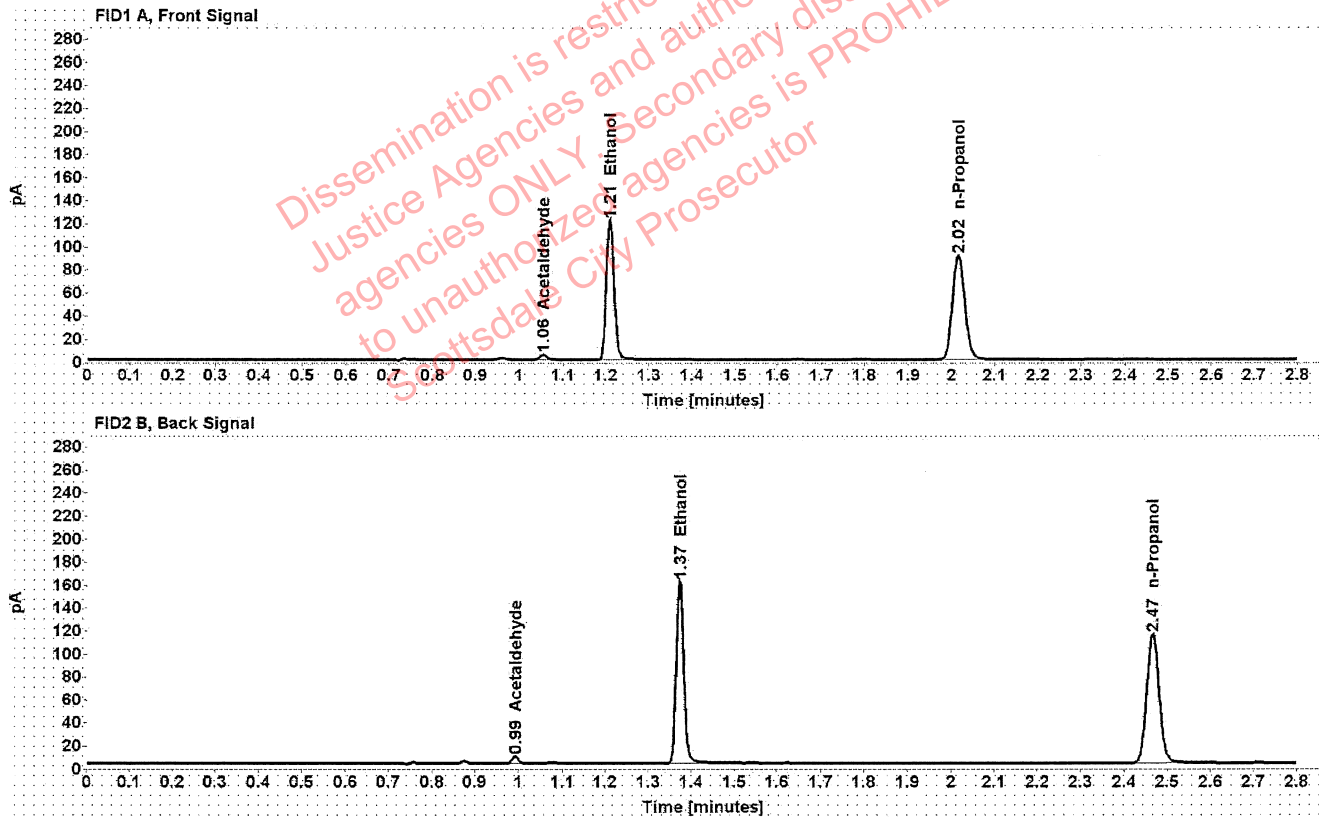


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.482
>Ethanol	0.2394	1.210	154.424
n-Propanol	-----	2.016	180.269

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.884
Ethanol	1.373	194.716
n-Propanol	2.466	226.230

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1370241	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:18:06 PM
Data file:	C:\Chem32\1\Data\12Oct21\26.D	Analyst:	Abbott

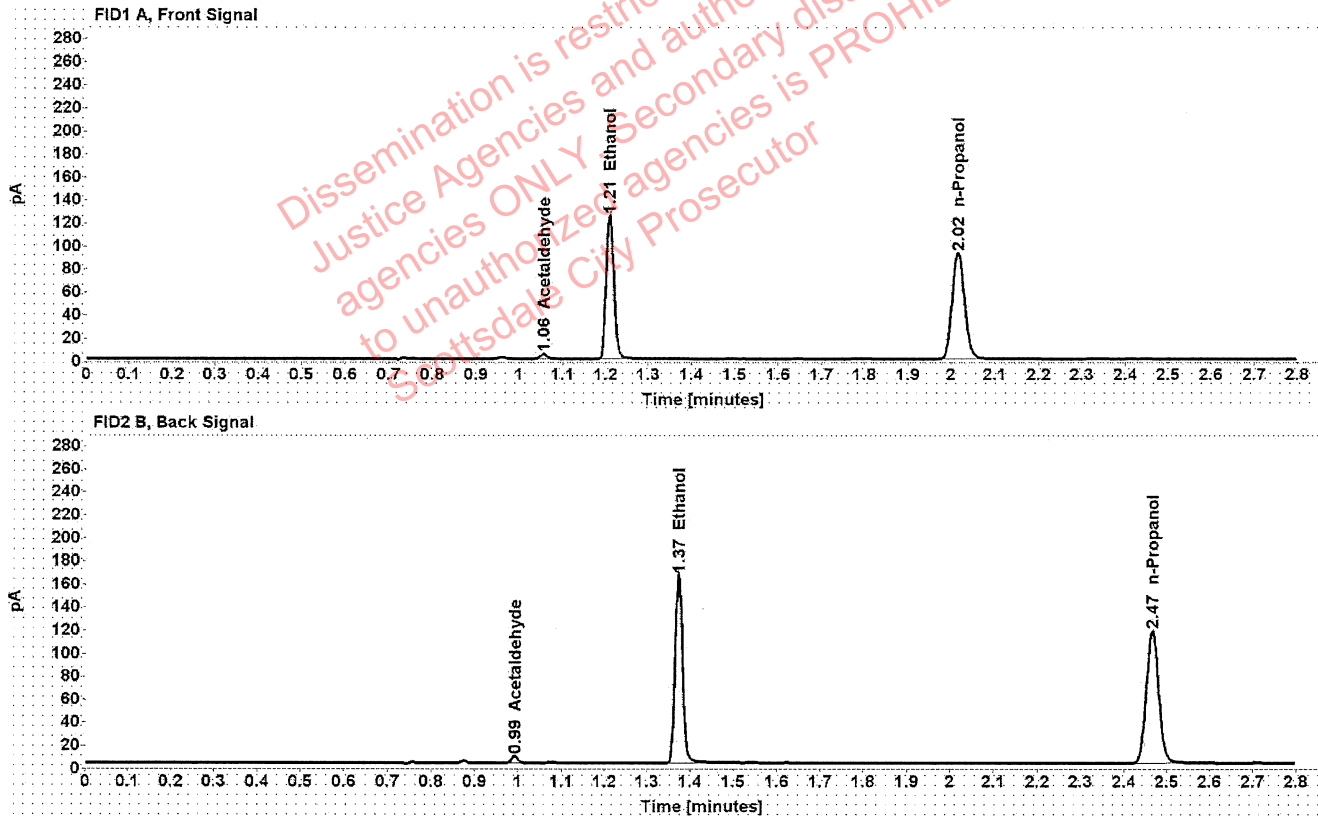


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.566
>Ethanol	0.2401	1.210	158.672
n-Propanol	-----	2.016	184.649

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.977
Ethanol	1.373	200.840
n-Propanol	2.466	231.683

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391815	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:22:07 PM
Data file:	C:\Chem32\1\Data\12Oct21\27.D	Analyst:	Abbott

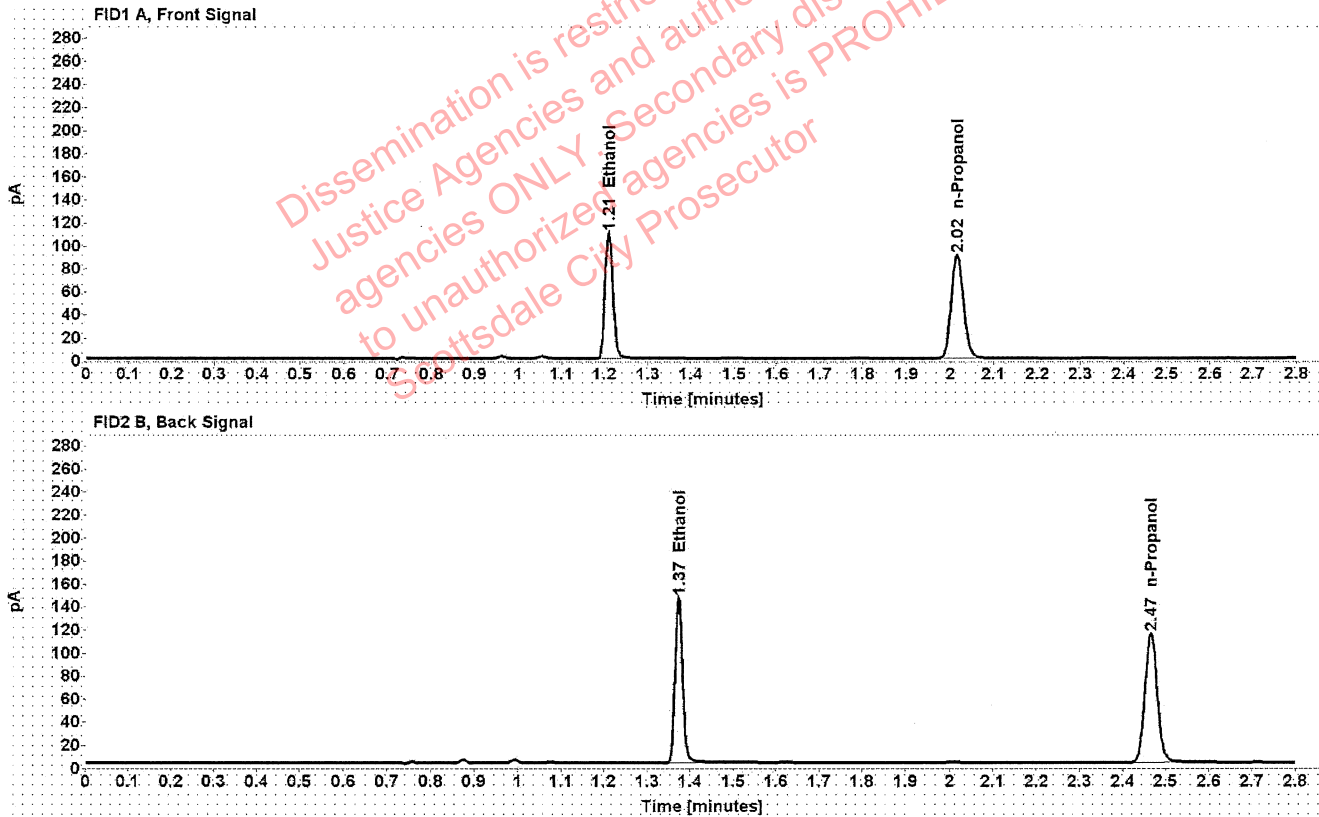


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2169	1.210	139.496
n-Propanol	-----	2.016	179.808

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

Compound	Time (min)	Peak Area
Ethanol	1.373	177.445
n-Propanol	2.466	225.669

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1391815	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:26:07 PM
Data file:	C:\Chem32\1\Data\12Oct21\28.D	Analyst:	Abbott

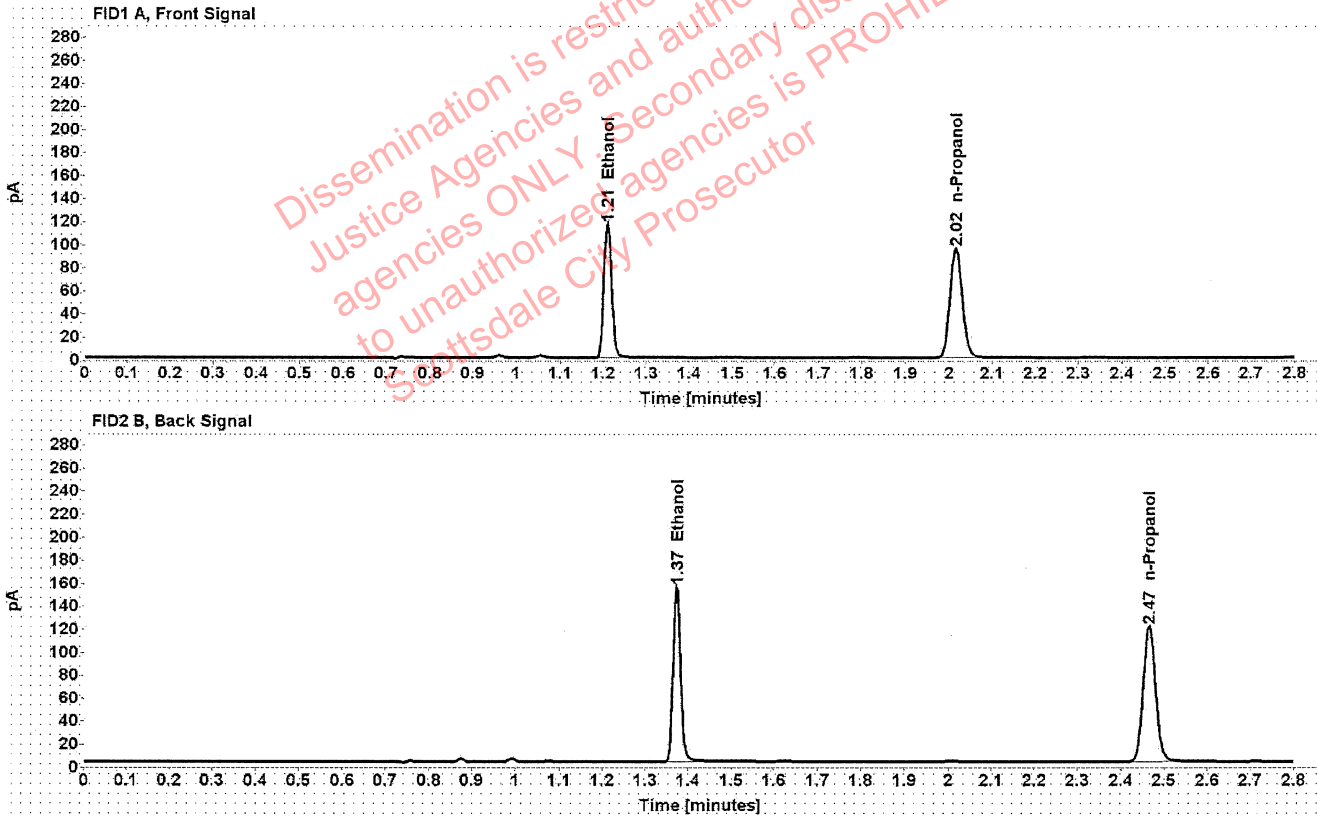


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2188	1.210	148.146
n-Propanol	-----	2.016	189.278

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

Compound	Time (min)	Peak Area
Ethanol	1.373	188.407
n-Propanol	2.466	237.669

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1386570	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:30:06 PM
Data file:	C:\Chem32\1\Data\12Oct21\29.D	Analyst:	Abbott

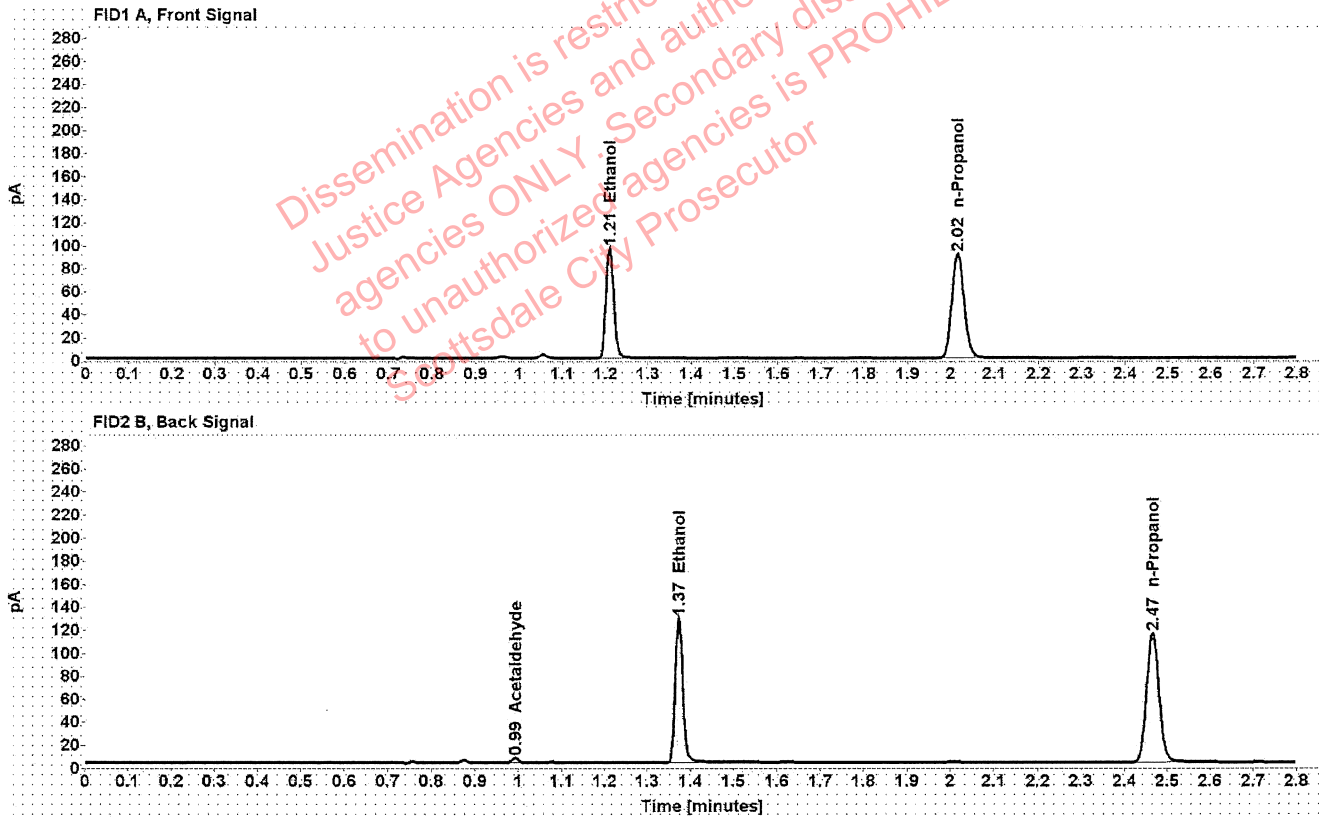


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1905	1.210	122.720
n-Propanol	-----	2.016	180.243

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.170
Ethanol	1.374	156.028
n-Propanol	2.466	226.465

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1386570	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:34:07 PM
Data file:	C:\Chem32\1\Data\12Oct21\30.D	Analyst:	Abbott

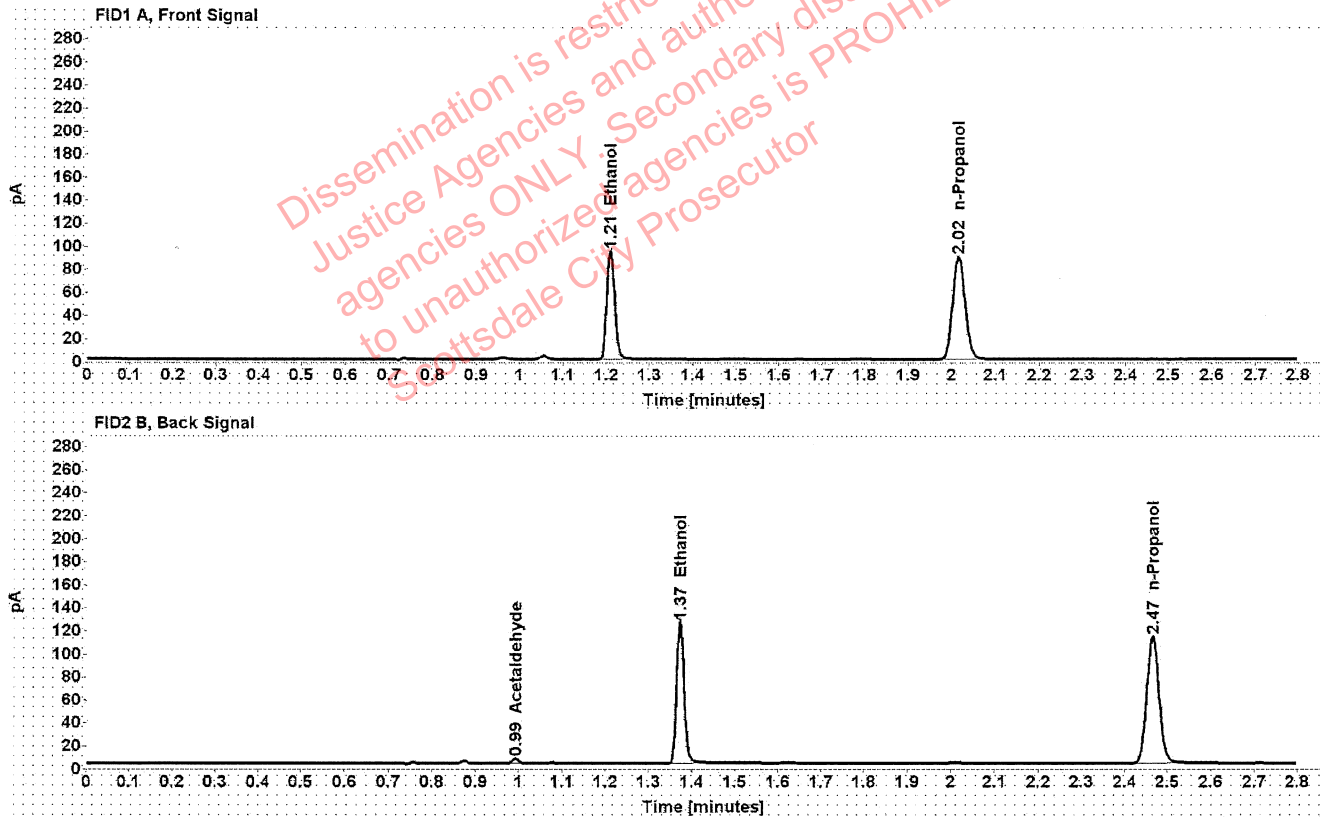


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1894	1.210	119.780
n-Propanol	-----	2.016	176.955

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.109
Ethanol	1.373	150.805
n-Propanol	2.466	222.393

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001DW	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:42:21 PM
Data file:	C:\Chem32\1\Data\12Oct21\32.D	Analyst:	Abbott

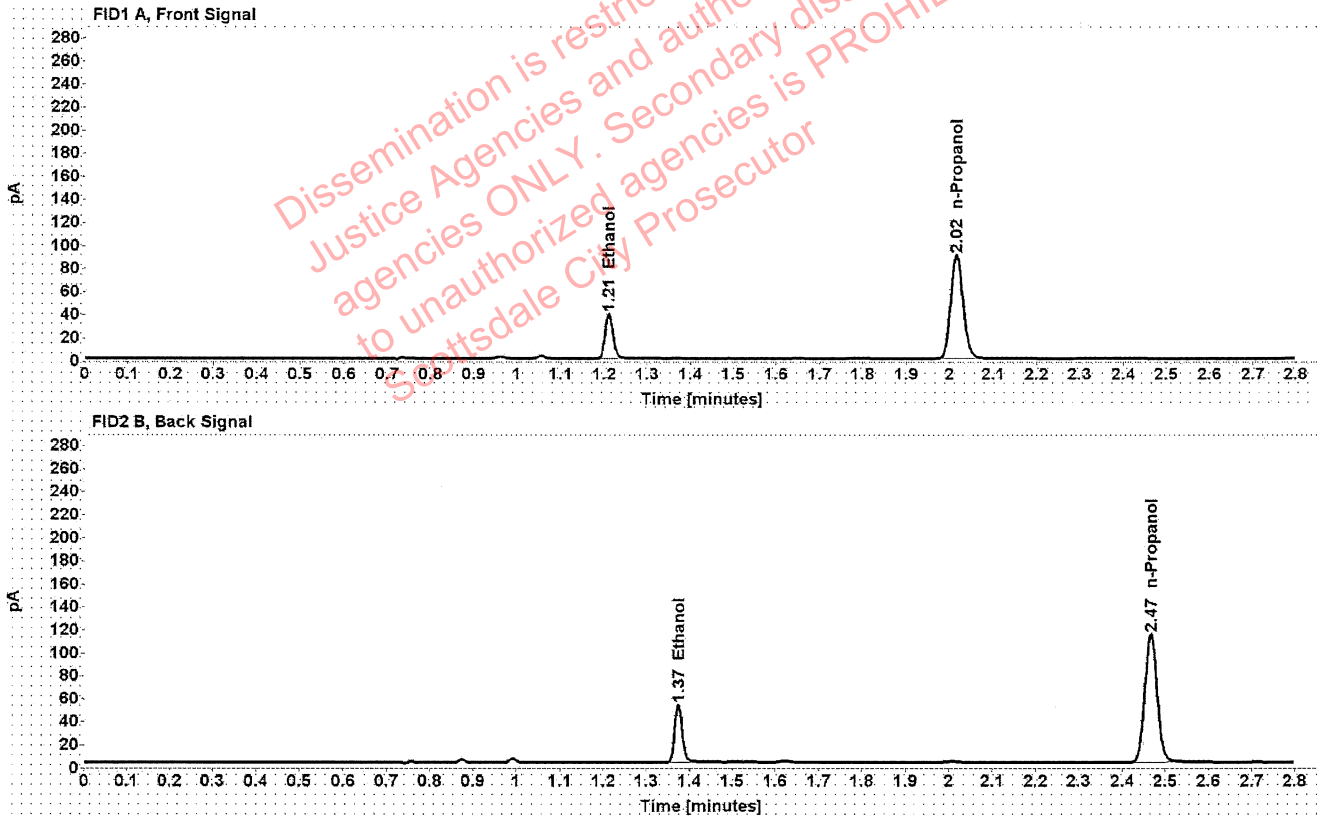


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0780	1.211	49.291
n-Propanol	-----	2.016	178.350

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.743
n-Propanol	2.466	224.830

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001DW	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:46:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\33.D	Analyst:	Abbott

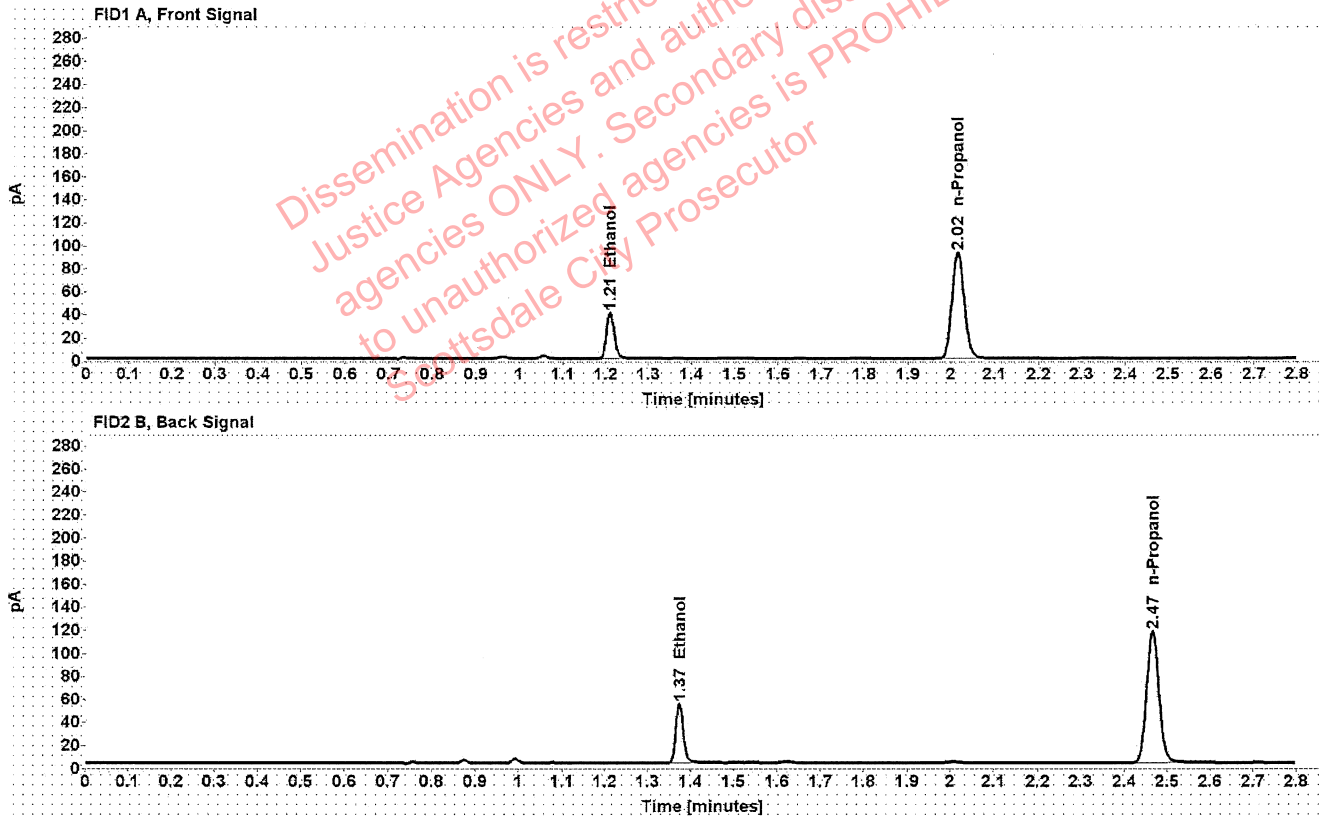


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0780	1.211	50.758
n-Propanol	-----	2.016	183.476

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.539
n-Propanol	2.466	231.289

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1392041	Vial:	34
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:50:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\34.D	Analyst:	Abbott

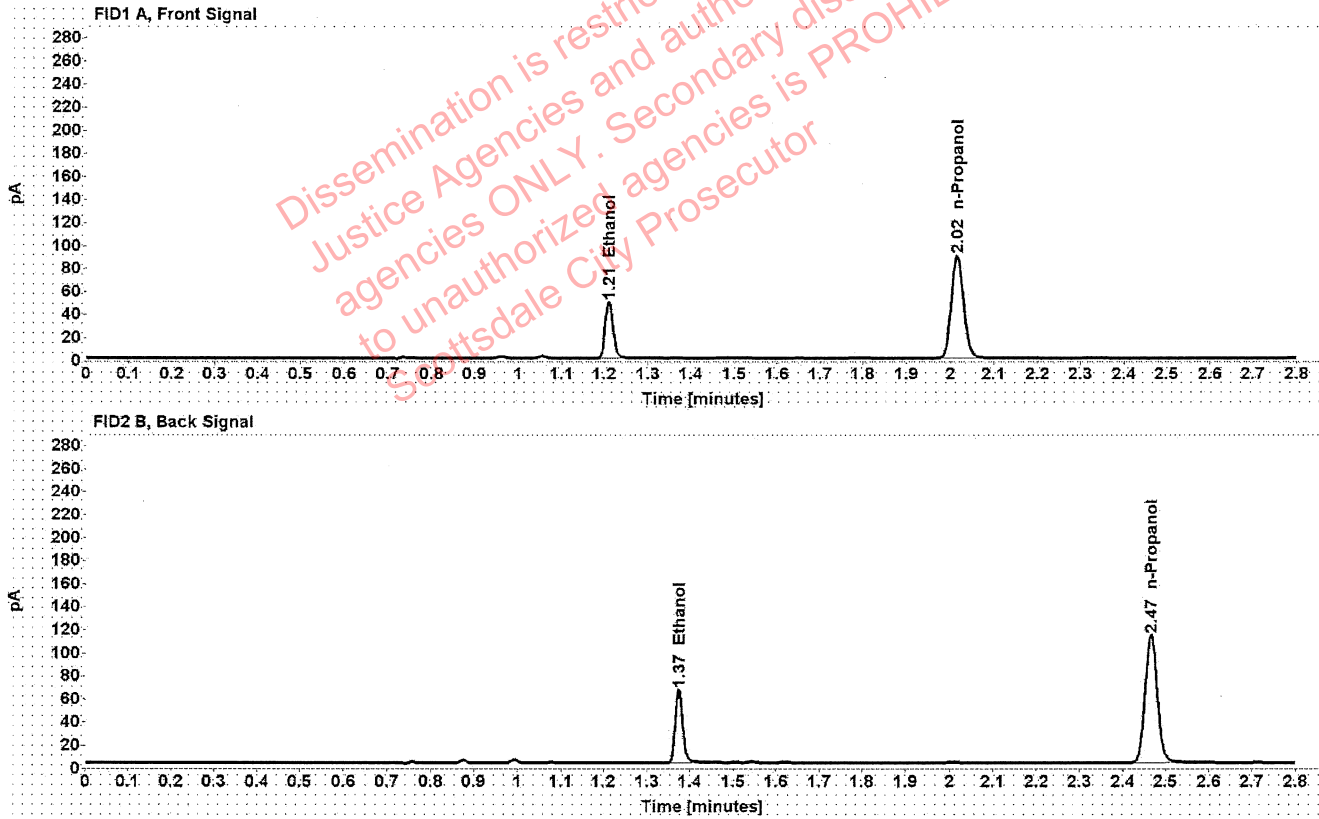


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0989	1.210	62.617
n-Propanol	-----	2.016	178.031

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

Compound	Time (min)	Peak Area
Ethanol	1.374	78.308
n-Propanol	2.466	223.594

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1392041	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:54:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\35.D	Analyst:	Abbott

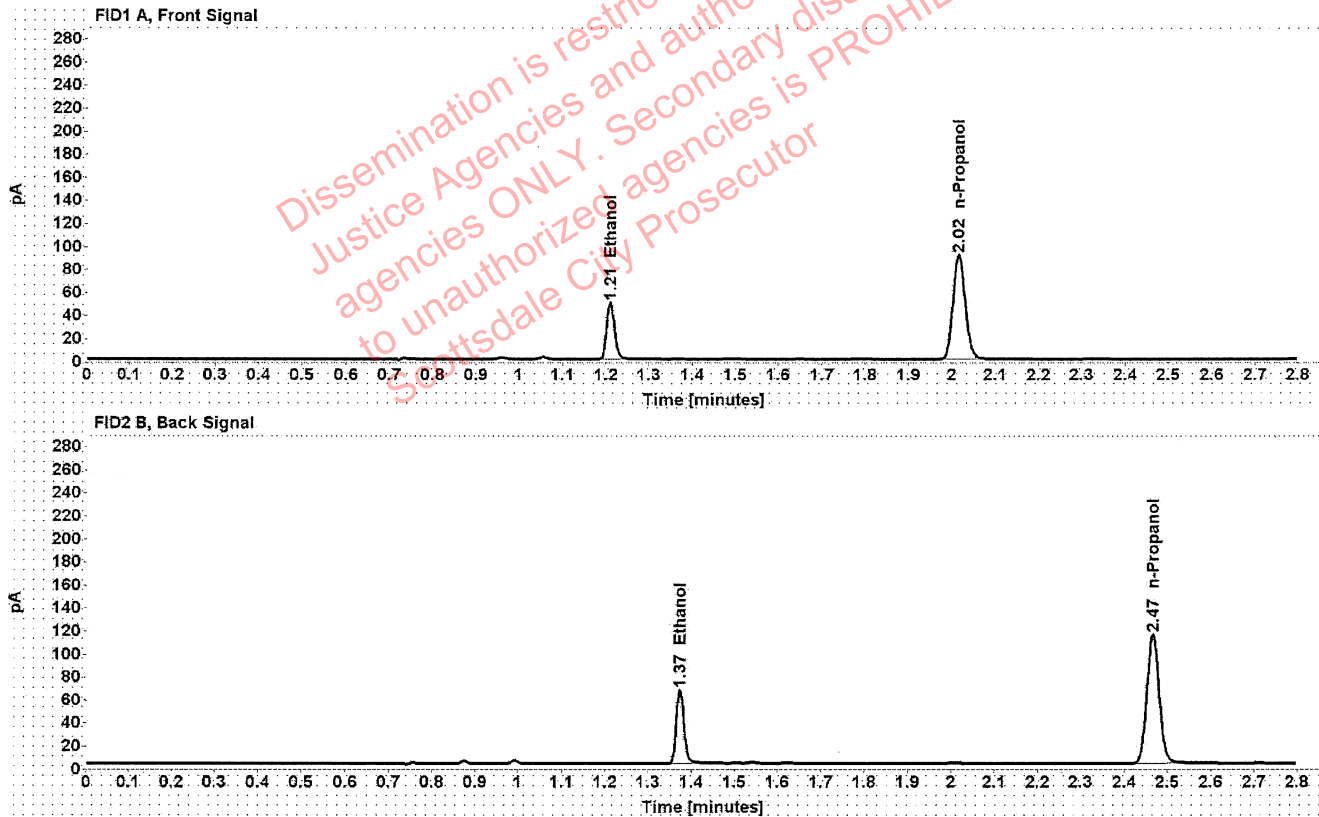


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0988	1.210	63.323
n-Propanol	-----	2.016	180.330

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

Compound	Time (min)	Peak Area
Ethanol	1.374	79.271
n-Propanol	2.466	226.655

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1392469	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 1:58:22 PM
Data file:	C:\Chem32\1\Data\12Oct21\36.D	Analyst:	Abbott

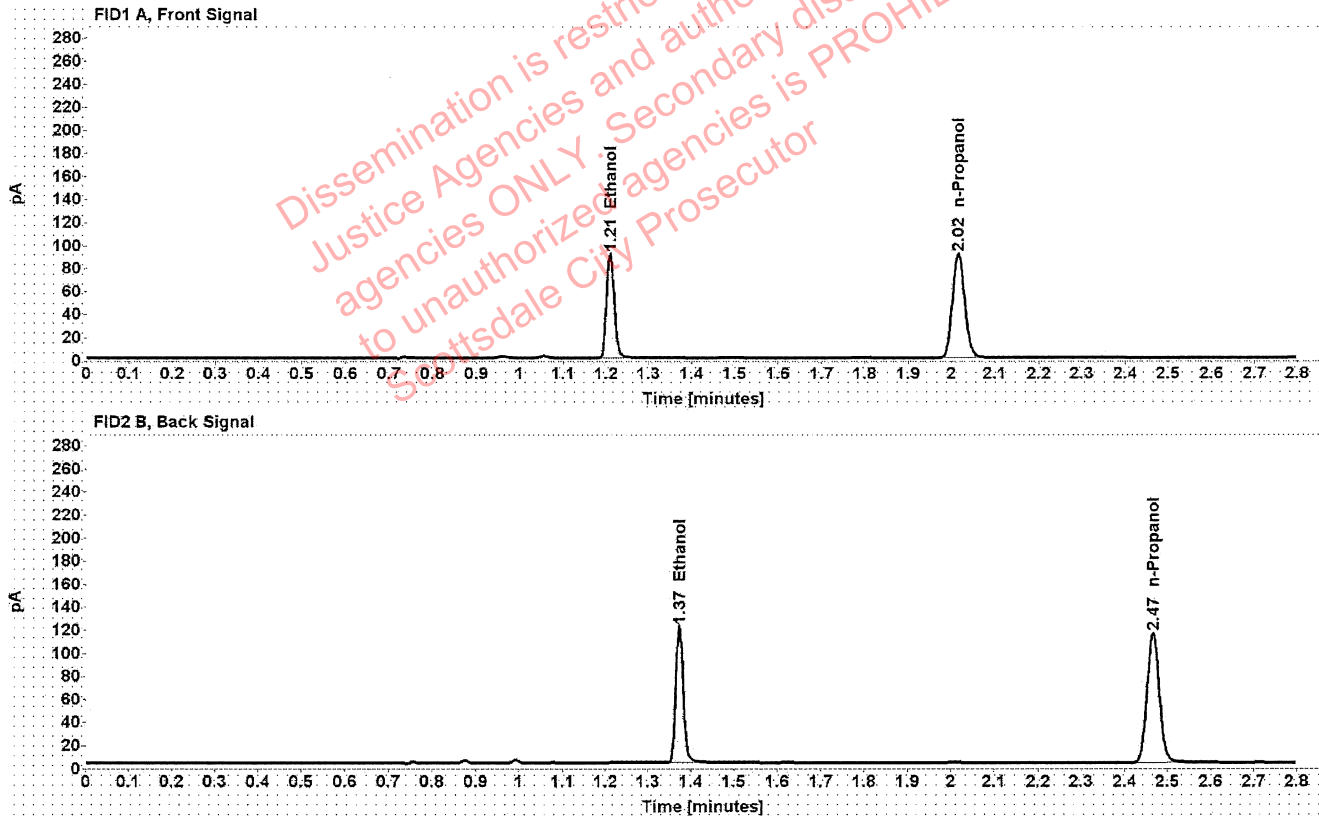


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1794	1.210	115.670
n-Propanol	-----	2.016	180.401

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

Compound	Time (min)	Peak Area
Ethanol	1.374	146.862
n-Propanol	2.466	226.770

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1392469	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:02:36 PM
Data file:	C:\Chem32\1\Data\12Oct21\37.D	Analyst:	Abbott

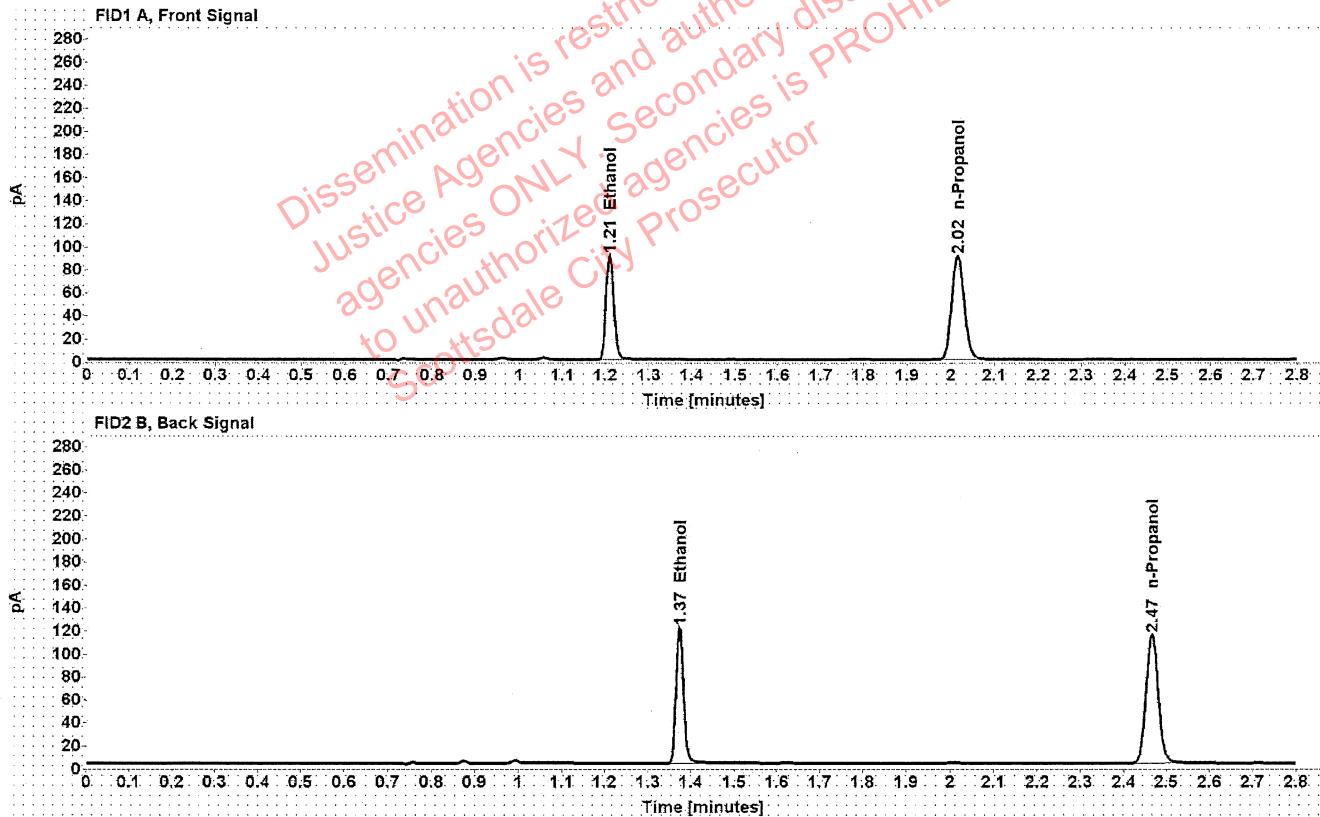


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1802	1.210	115.875
n-Propanol	-----	2.016	179.926

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

Compound	Time (min)	Peak Area
Ethanol	1.374	147.291
n-Propanol	2.466	225.824

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1362412	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:06:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\38.D	Analyst:	Abbott

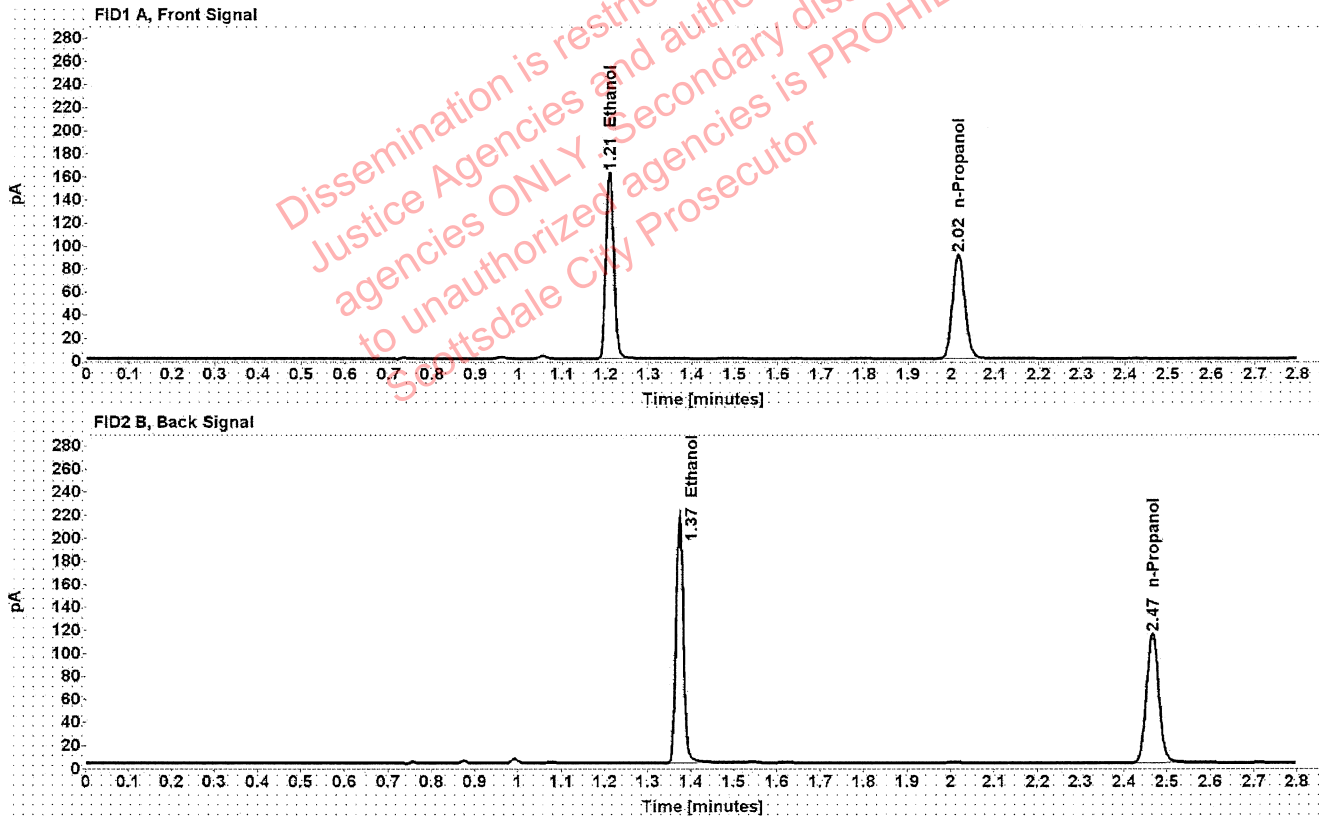


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3191	1.209	206.087
n-Propanol	-----	2.015	180.255

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

Compound	Time (min)	Peak Area
Ethanol	1.373	260.681
n-Propanol	2.466	226.616

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1362412	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:10:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\39.D	Analyst:	Abbott

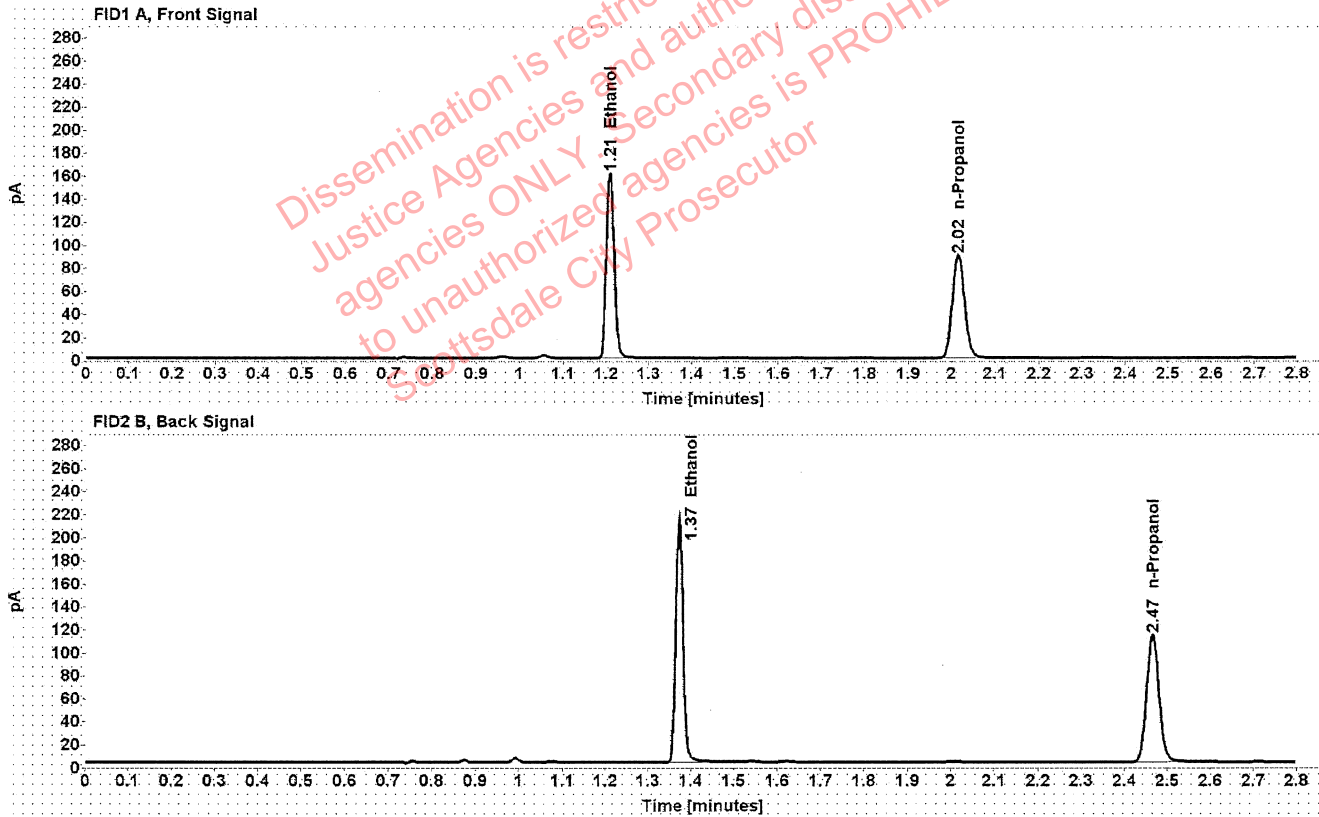


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3211	1.209	204.518
n-Propanol	-----	2.015	177.800

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

Compound	Time (min)	Peak Area
Ethanol	1.373	260.077
n-Propanol	2.466	223.694

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364988	Vial:	40
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:14:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\40.D	Analyst:	Abbott

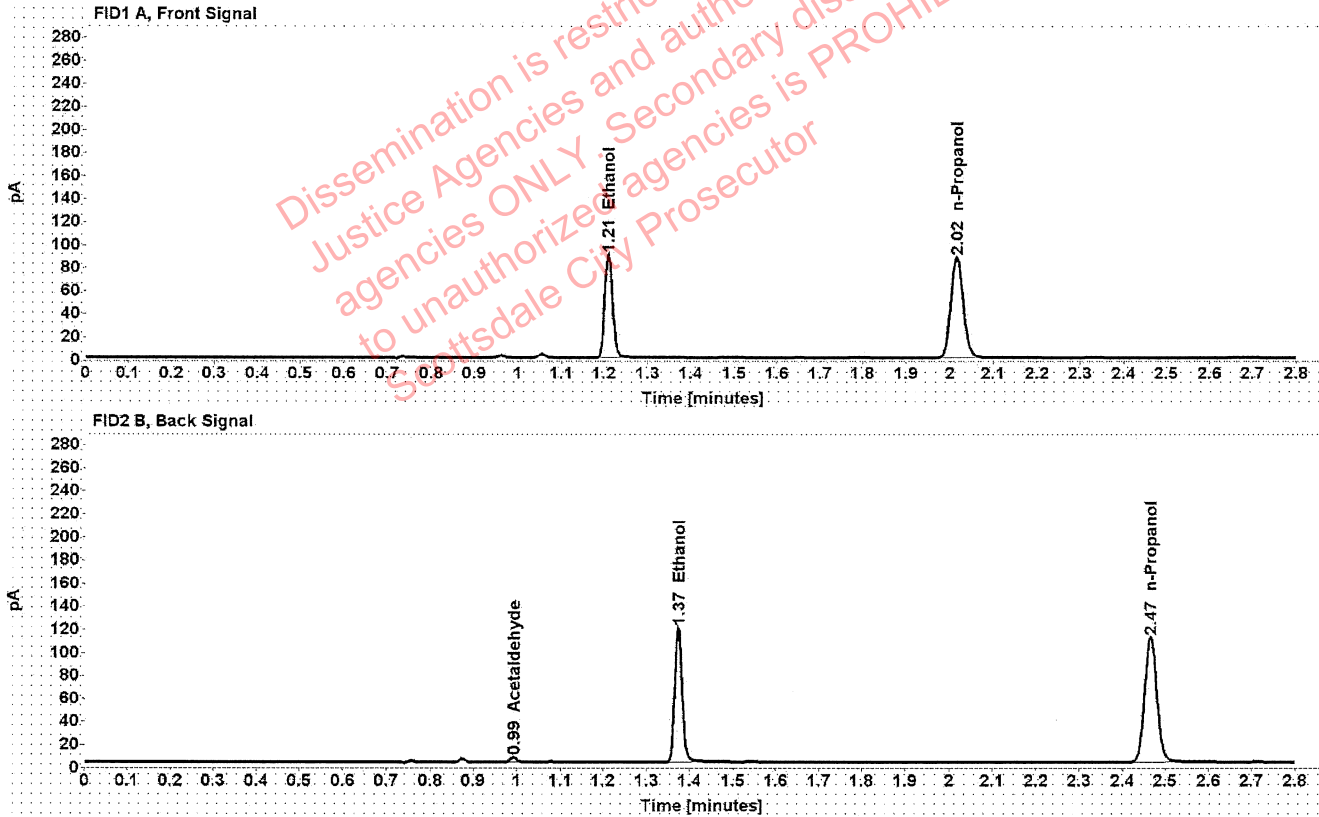


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1829	1.210	114.383
n-Propanol	-----	2.016	175.011

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.124
Ethanol	1.373	143.716
n-Propanol	2.466	219.597

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364988	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12Oct21
Instrument:	US14173023 CN14160045	Injection date:	10/12/2021 2:18:37 PM
Data file:	C:\Chem32\1\Data\12Oct21\41.D	Analyst:	Abbott

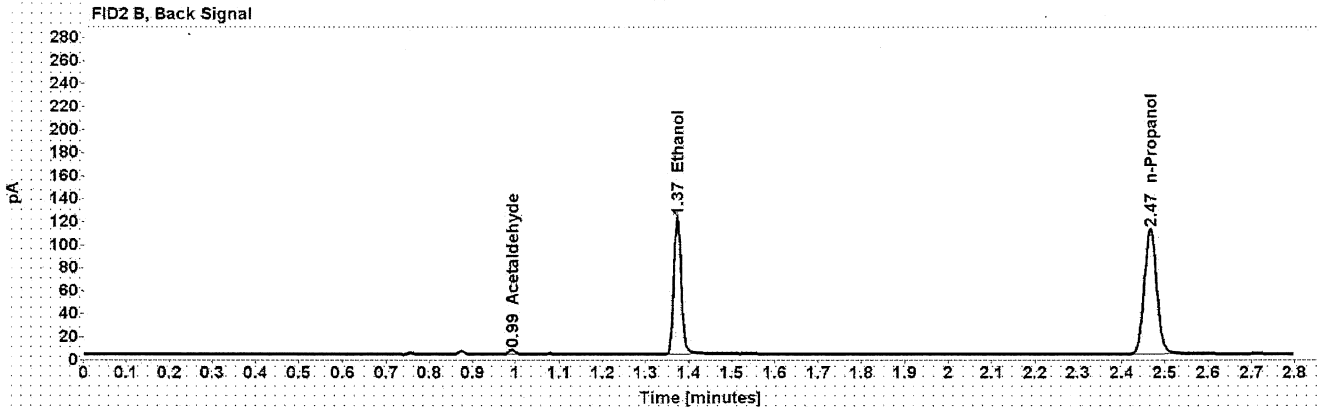
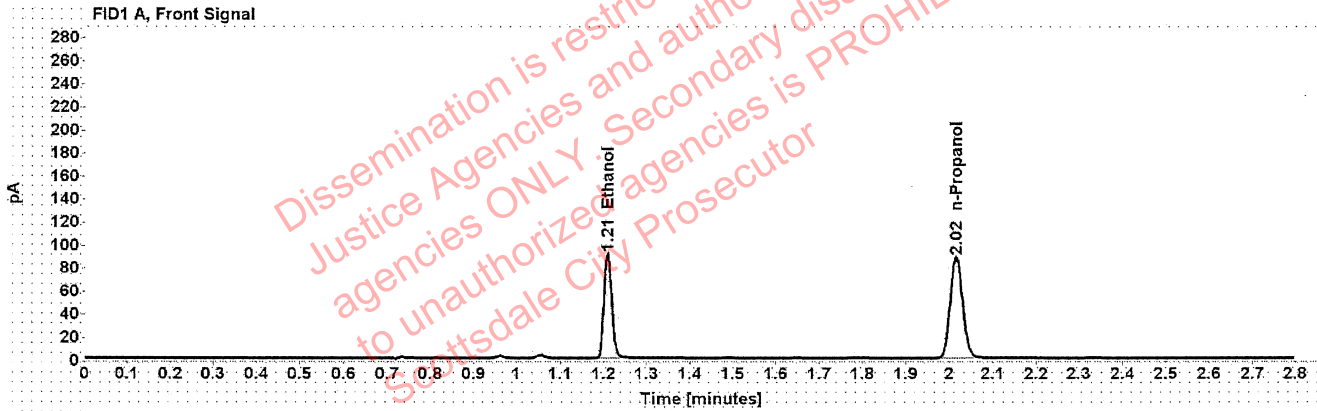


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1847	1.210	115.538
n-Propanol	-----	2.016	175.038

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	3.876
Ethanol	1.373	145.706
n-Propanol	2.466	219.681