

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/06/2020 SEQUENCE NAME 06Oct20

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 0.99992
 Vial 3 0.20 calibrator Lot FN06231704
 Vial 4 0.40 calibrator Lot FN05131606

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 071420AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.082 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/13
45	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Doni Abbott Analyst
 Run valid Run invalid Erika Canonico Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

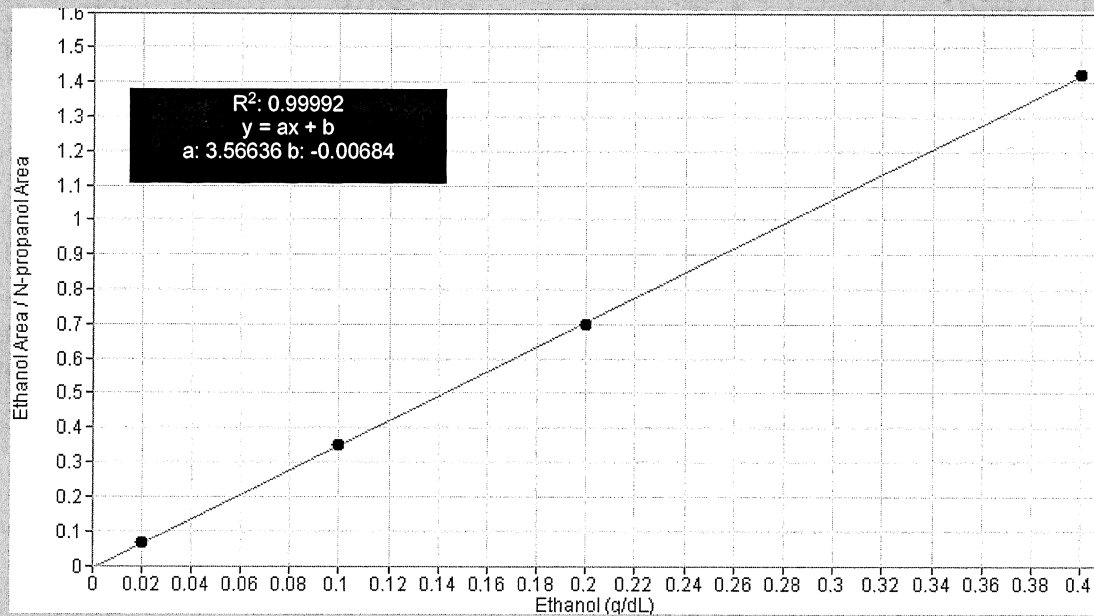
SEQUENCE NAME: 06Oct20

ANALYST: Abbott *AA*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 071420AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.200	0.198	1.01	0.002
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.080 03102016-A/1	31	0.082	0.080	2.50	0.002
0.400 11092018-A	42	0.400	0.400	0.00	0.000
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.198 407041529/13	44	0.200	0.198	1.01	0.002
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.105	176.716	0.069
0.100	61.331	175.425	0.350
0.200	121.780	174.200	0.699
0.400	255.292	179.376	1.423

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06141806	Vial: 1	
Description: 0.020 calibrator	Sequence: 06Oct20	
Method: ethanol quant.M	Injection date: 10/6/2020 11:45:39 AM	
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>	
Data file: C:\Chem32\1\Data\06Oct20\1.D		

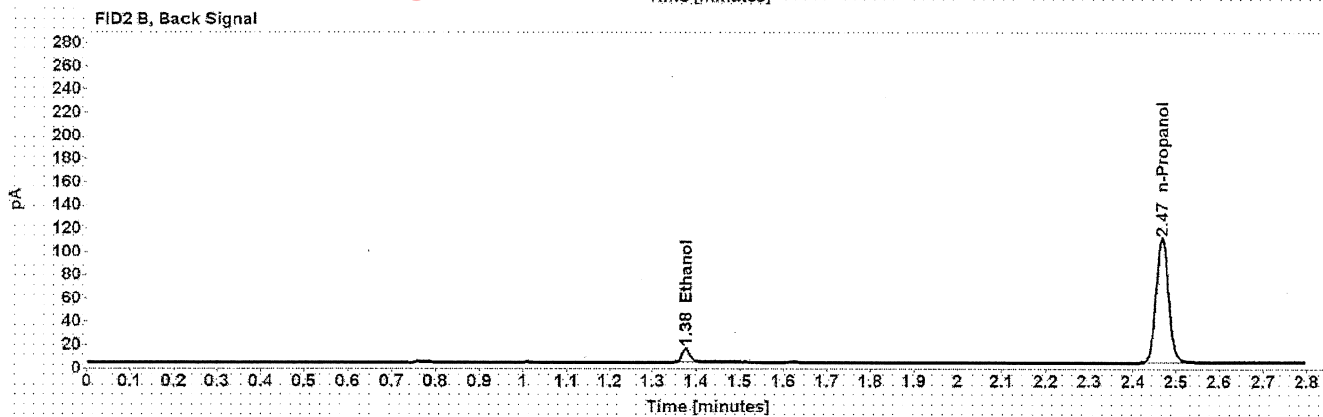
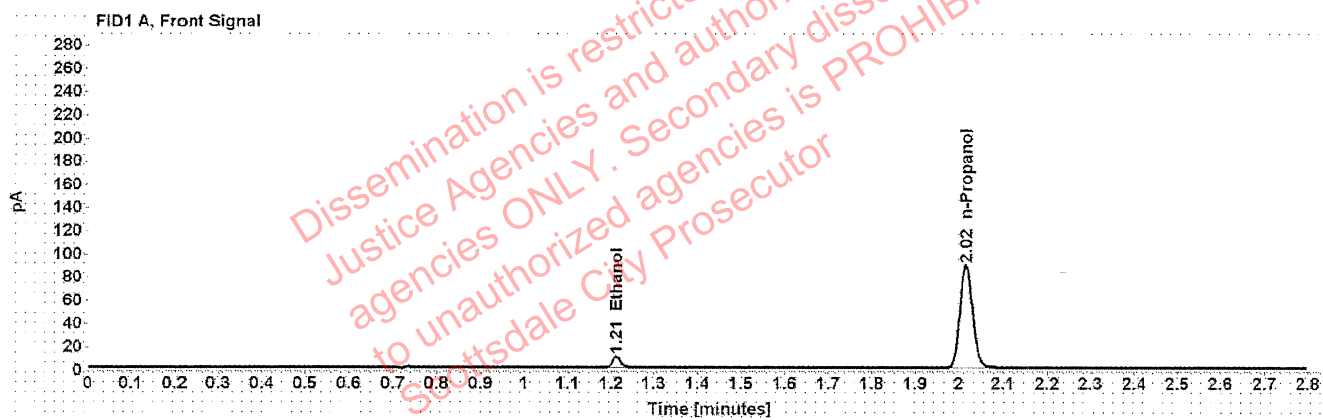


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	12.105
n-Propanol	2.016	176.716

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

Compound	Time (min)	Peak Area
Ethanol	1.376	15.145
n-Propanol	2.467	216.924

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05311902	Vial: 2
Description: 0.100 calibrator	Sequence: 06Oct20
Method: ethanol quant.M	Injection date: 10/6/2020 11:49:38 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>ah</i>
Data file: C:\Chem32\1\Data\06Oct20\2.D	

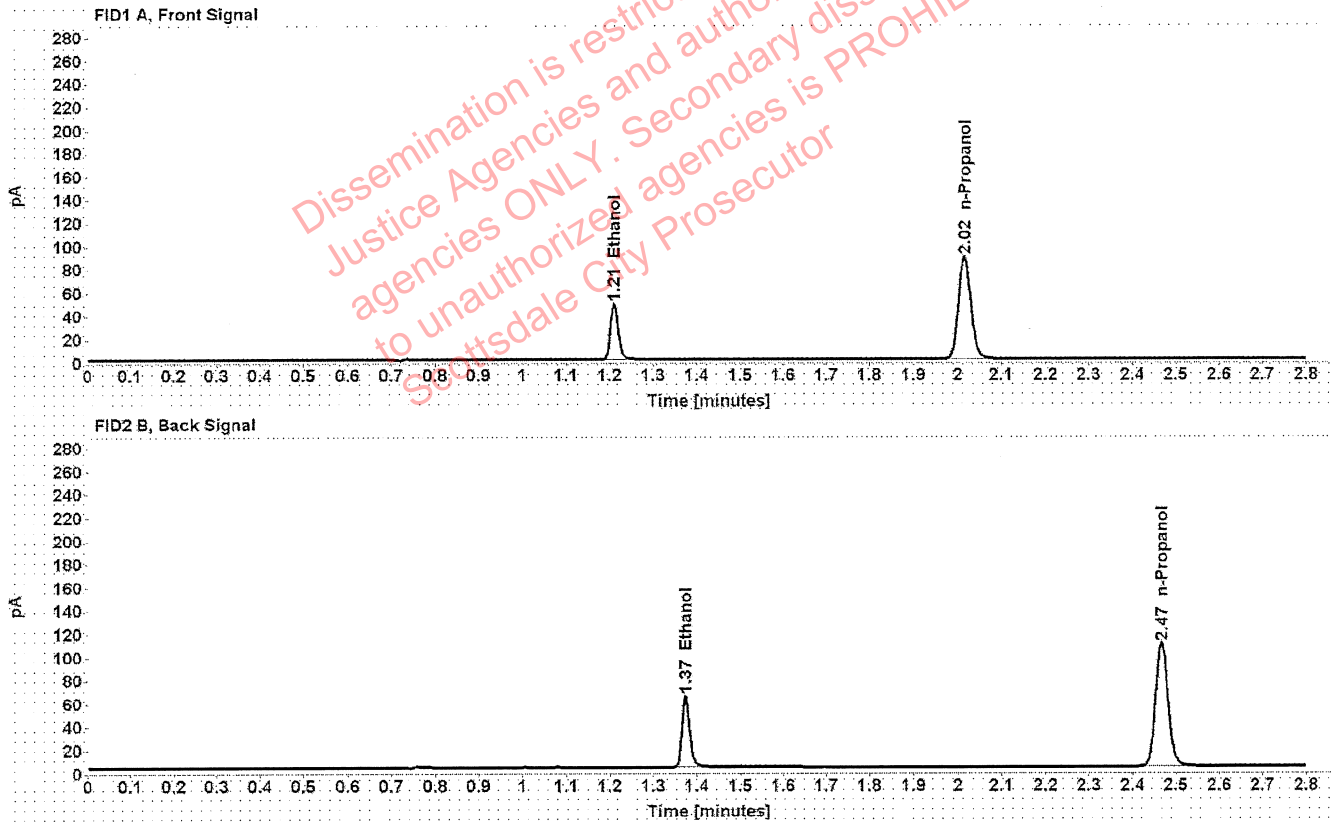


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	61.331
n-Propanol	2.016	175.425

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

Compound	Time (min)	Peak Area
Ethanol	1.374	76.663
n-Propanol	2.467	215.868

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 06Oct20
Method: ethanol quant.M	Injection date: 10/6/2020 11:53:39 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\06Oct20\3.D	

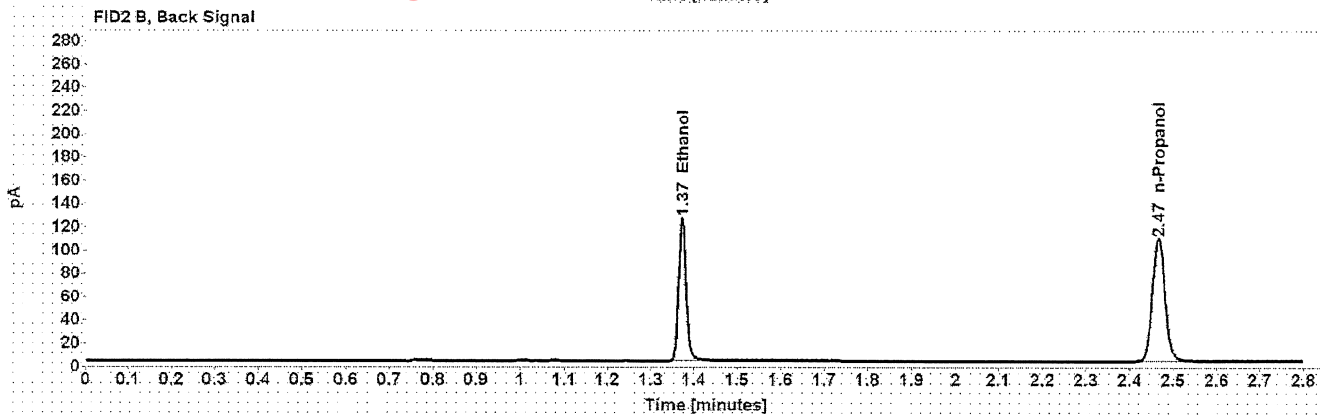
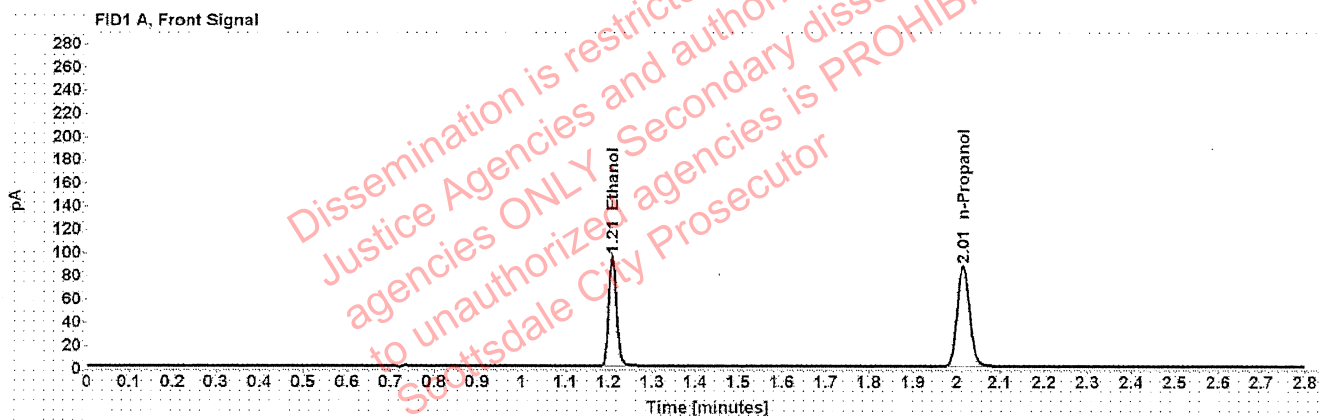


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	121.780
n-Propanol	2.015	174.200

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

Compound	Time (min)	Peak Area
Ethanol	1.372	152.385
n-Propanol	2.466	214.445

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 06Oct20
Method: ethanol quant.M	Injection date: 10/6/2020 11:57:38 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\06Oct20\4.D	

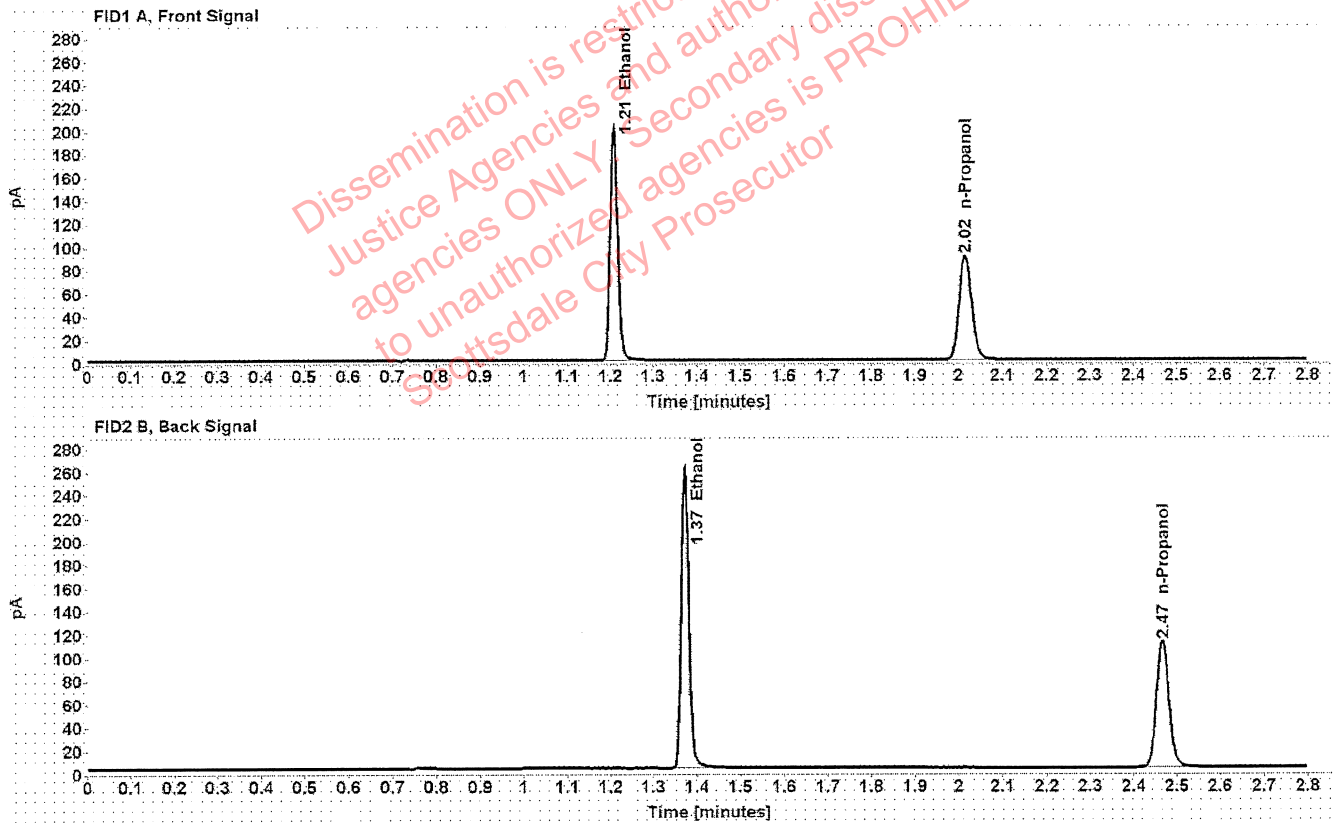


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	255.292
n-Propanol	2.015	179.376

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

Compound	Time (min)	Peak Area
Ethanol	1.373	320.661
n-Propanol	2.466	221.146

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 071420AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 12:01:39 PM
Data file: C:\Chem32\1\Data\06Oct20\5.D	Analyst: Abbott <i>[Signature]</i>

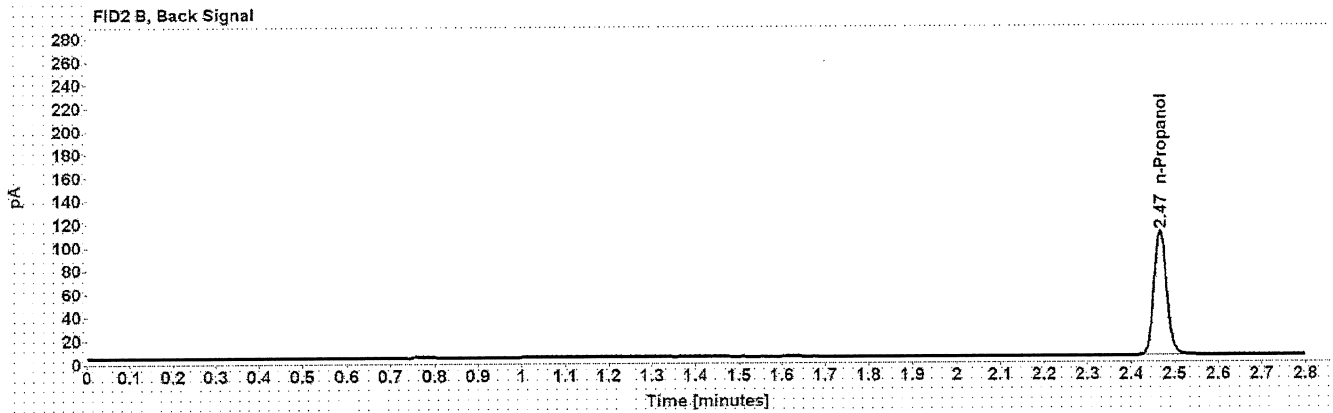
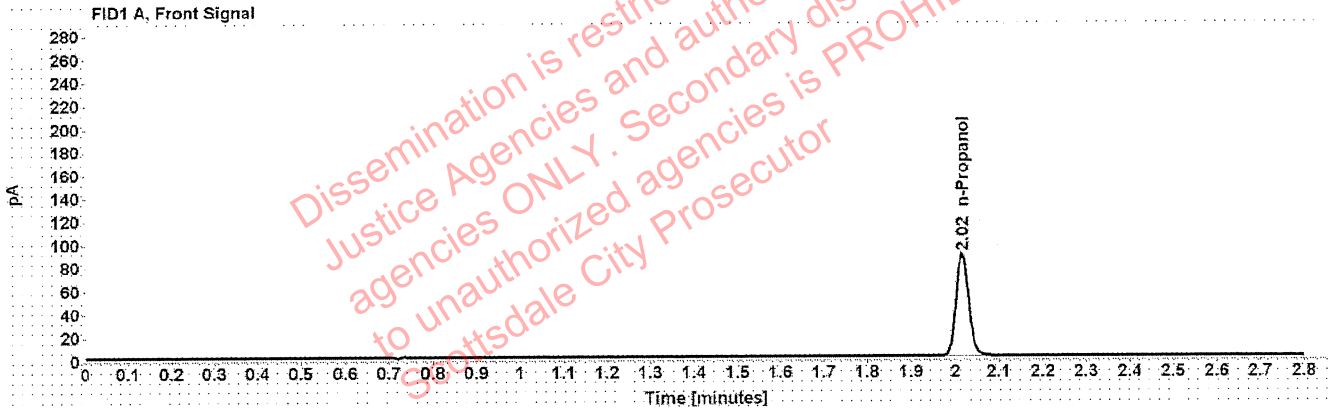


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	176.332

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	216.814

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 12:05:39 PM
Data file: C:\Chem32\1\Data\06Oct20\6.D	Analyst: Abbott

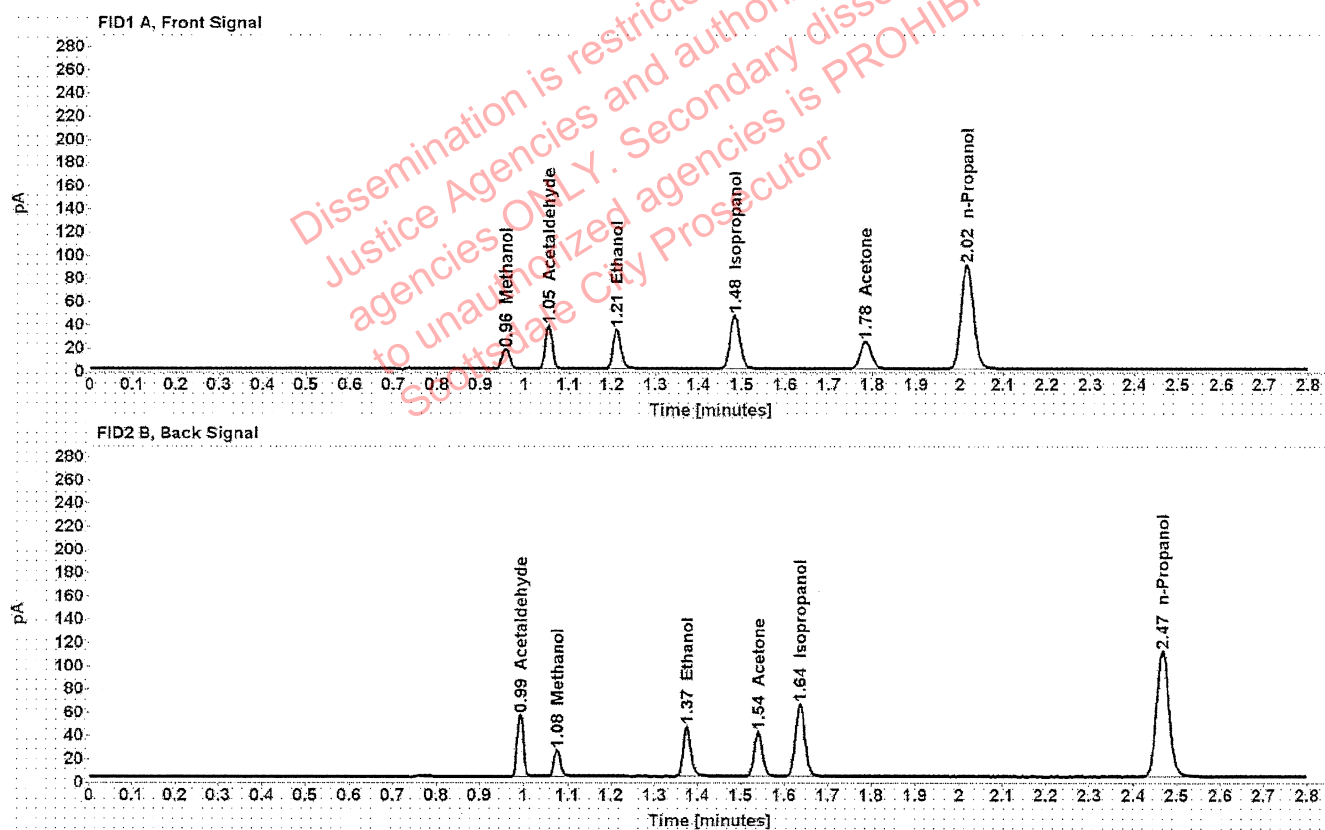


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	19.096
Acetaldehyde	-----	1.055	39.945
>Ethanol	0.0697	1.211	43.148
Isopropanol	-----	1.484	73.557
Acetone	-----	1.784	40.792
n-Propanol	-----	2.016	178.568

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	52.059
Methanol	1.077	24.571
Ethanol	1.375	53.836
Acetone	1.541	50.454
Isopropanol	1.636	94.419
n-Propanol	2.467	219.972

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 12:09:54 PM
Data file: C:\Chem32\1\Data\06Oct20\7.D	Analyst: Abbott <i>BA</i>

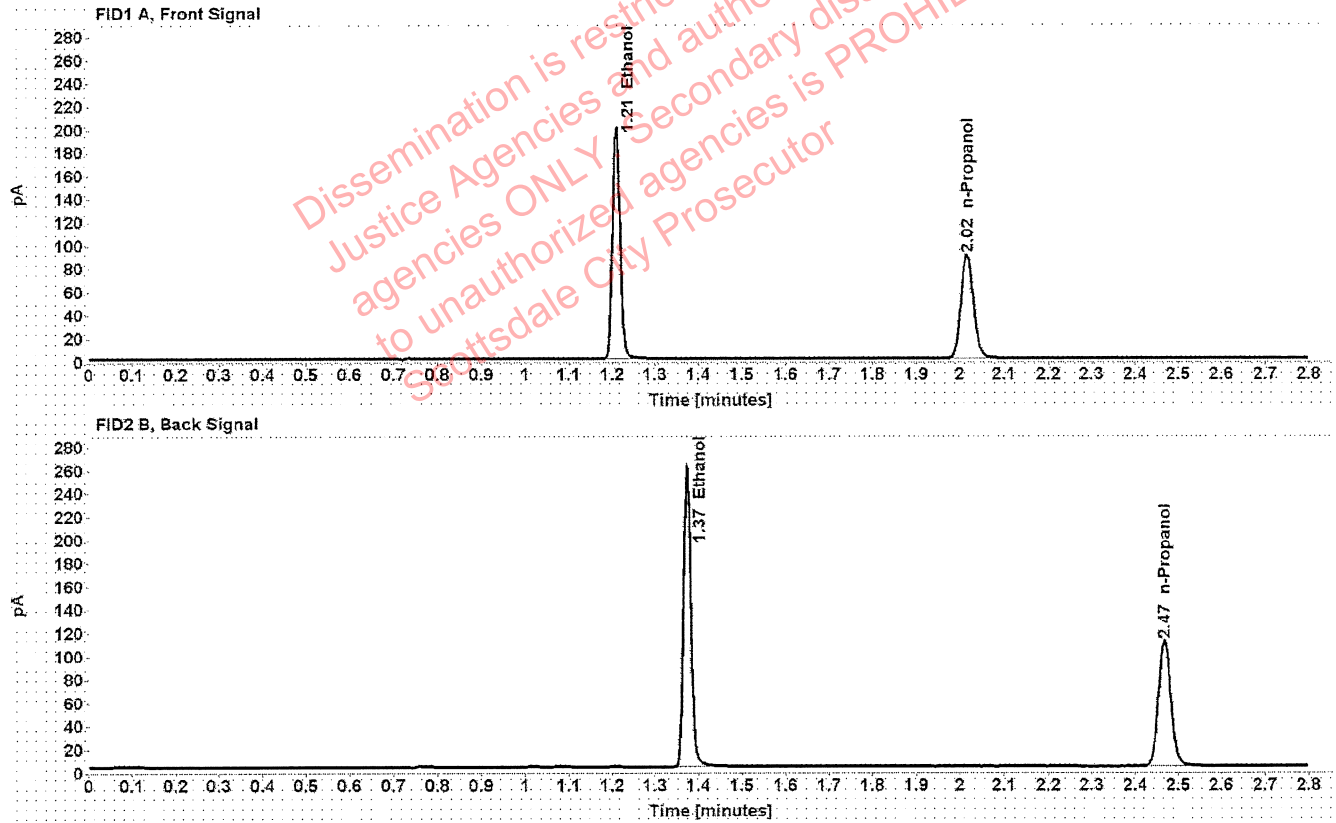


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4024	1.209	254.067
n-Propanol	-----	2.016	177.869

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

Compound	Time (min)	Peak Area
Ethanol	1.374	319.017
n-Propanol	2.468	219.179

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 12:13:53 PM
Data file: C:\Chem32\1\Data\06Oct20\8.D	Analyst: Abbott <i>JA</i>

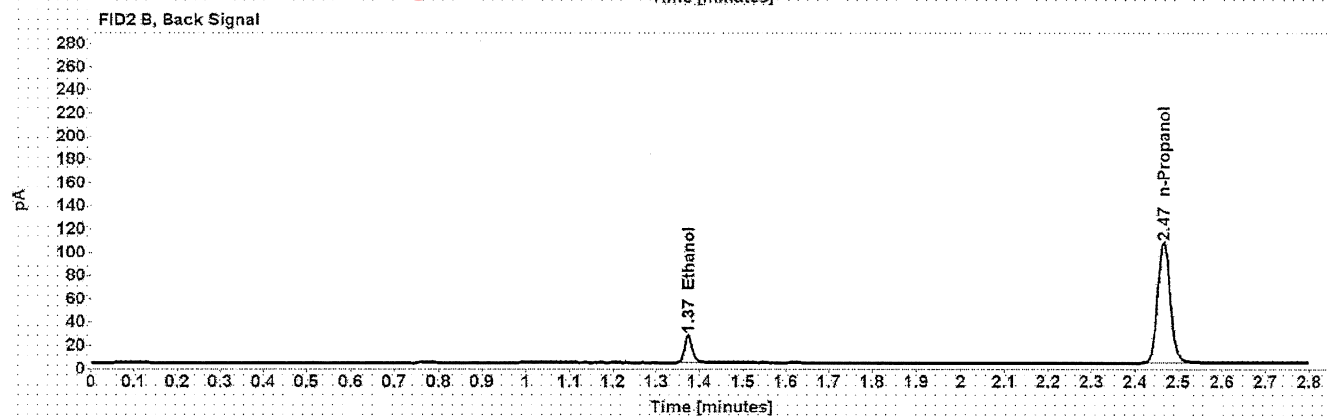
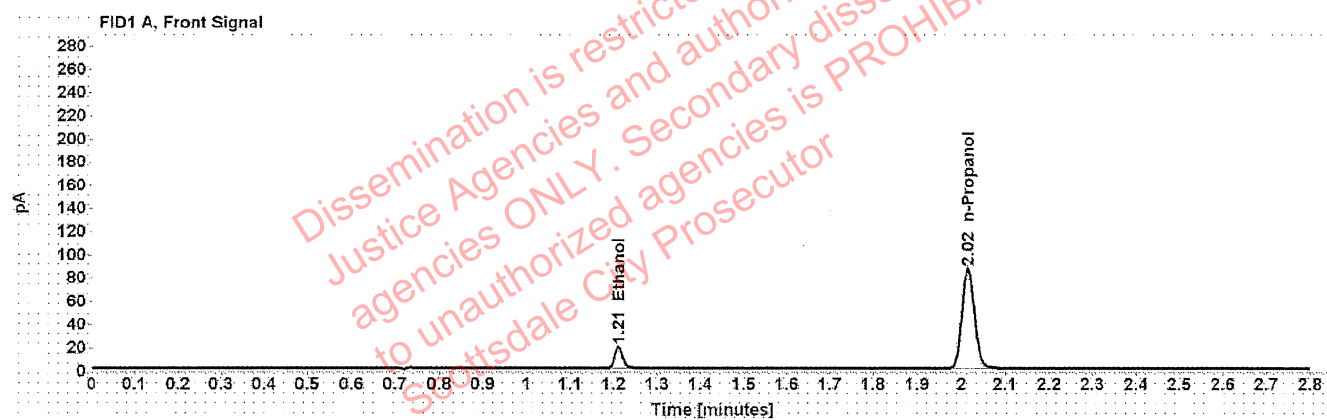


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.211	23.859
n-Propanol	-----	2.015	172.242

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

Compound	Time (min)	Peak Area
Ethanol	1.374	29.769
n-Propanol	2.466	211.467

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 12:17:54 PM
Data file: C:\Chem32\1\Data\06Oct20\9.D	Analyst: Abbott <i>JA</i>

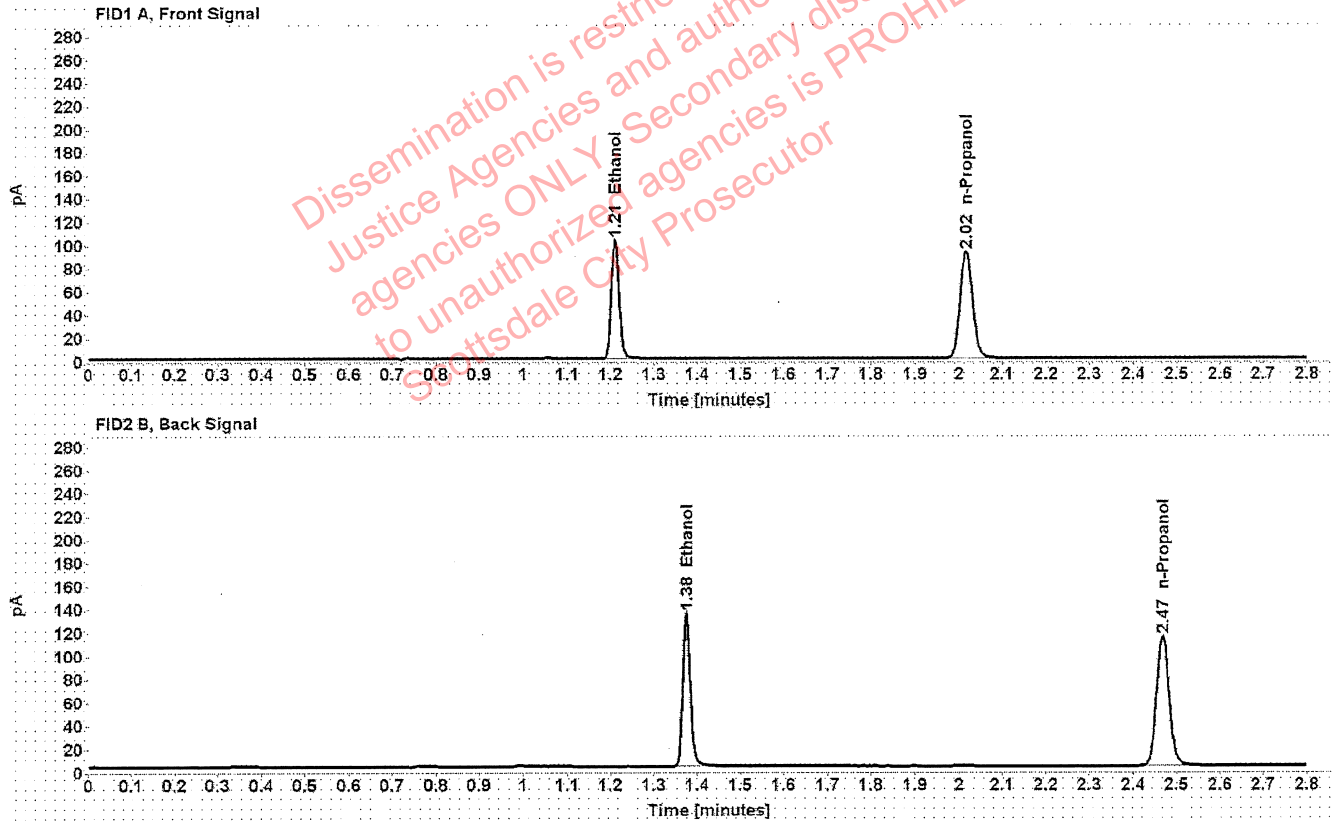


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2002	1.210	130.819
n-Propanol	-----	2.016	184.969

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

Compound	Time (min)	Peak Area
Ethanol	1.375	164.080
n-Propanol	2.468	227.444

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 1:02:24 PM
Data file: C:\Chem32\1\Data\06Oct20\20.D	Analyst: Abbott <i>GA</i>

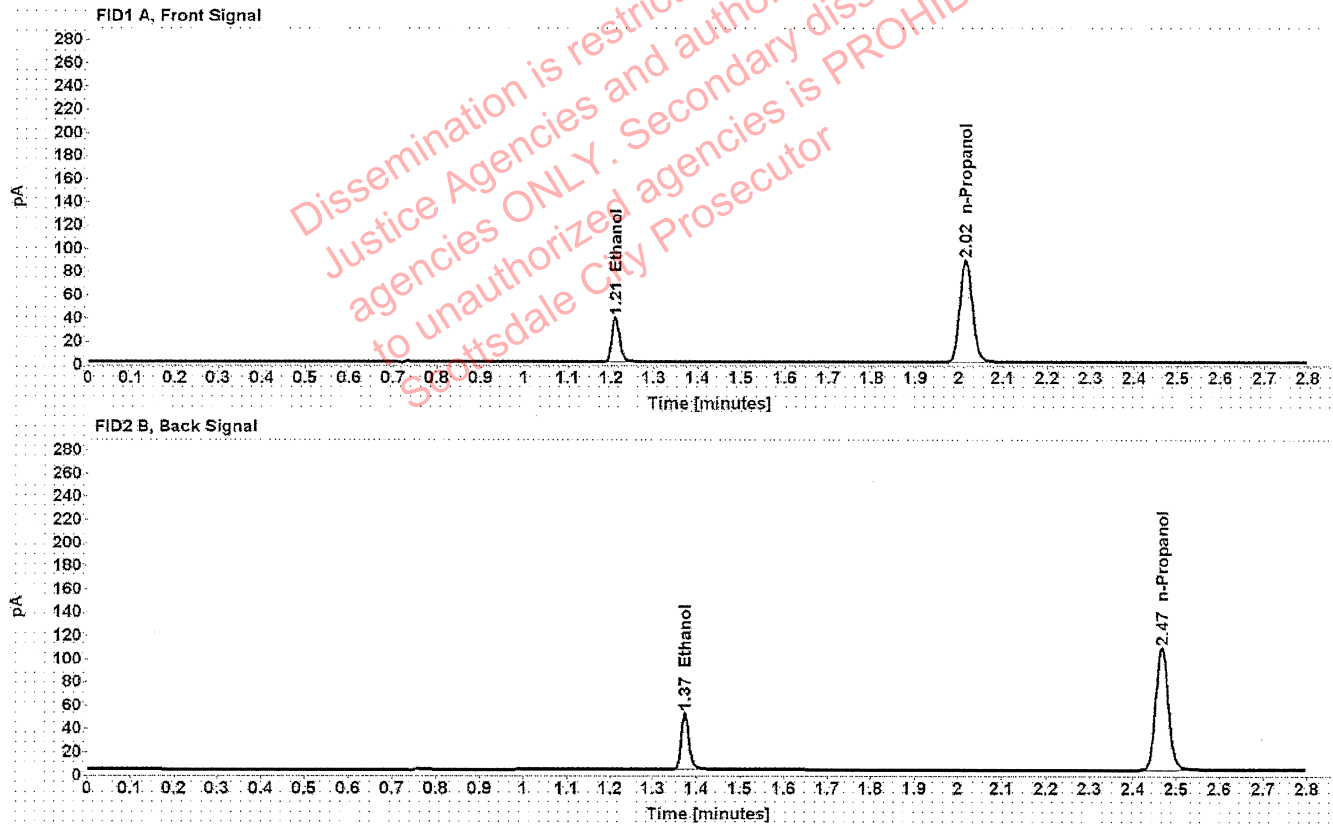


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0806	1.210	49.353
n-Propanol	-----	2.015	175.846

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.475
n-Propanol	2.467	215.497

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 1:46:53 PM
Data file: C:\Chem32\1\Data\06Oct20\31.D	Analyst: Abbott <i>JA</i>

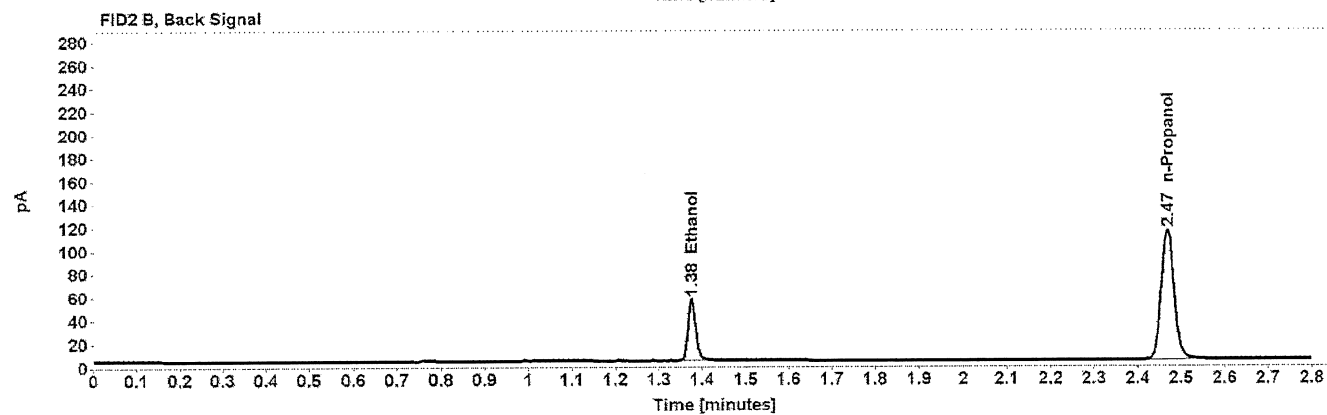
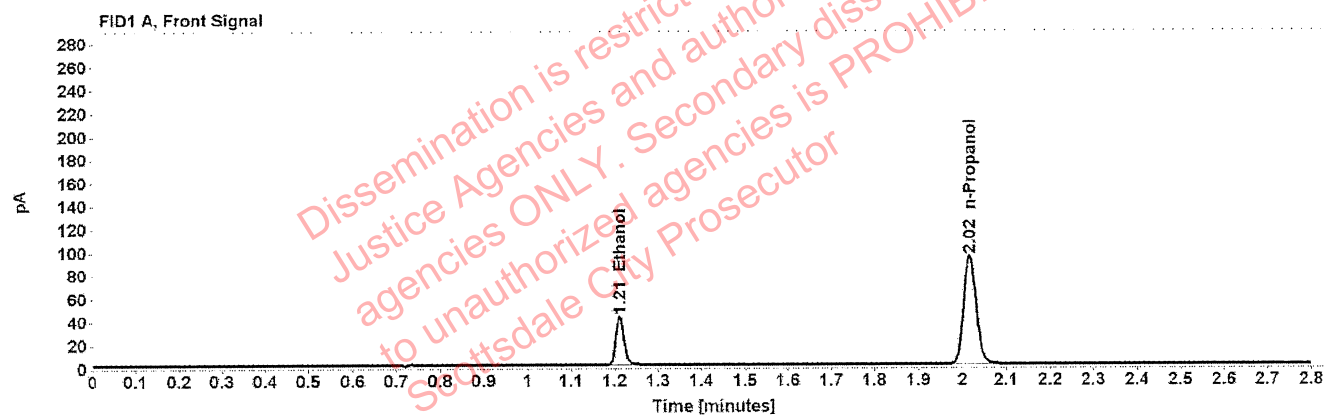


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0824	1.211	53.561
n-Propanol	-----	2.017	186.587

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

Compound	Time (min)	Peak Area
Ethanol	1.376	66.524
n-Propanol	2.468	228.496

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 2:31:09 PM
Data file: C:\Chem32\1\Data\06Oct20\42.D	Analyst: Abbott <i>JA</i>

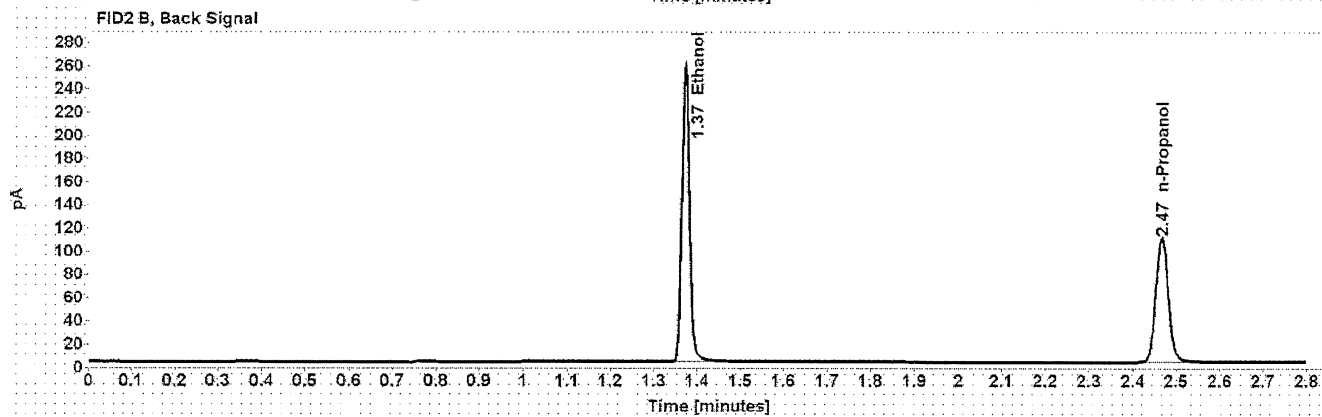
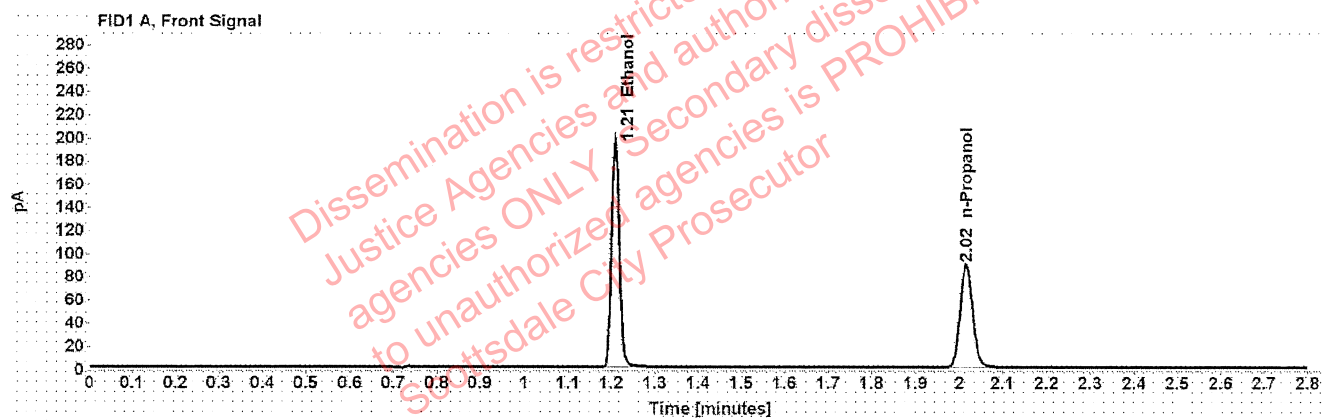


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4002	1.209	252.410
n-Propanol	-----	2.015	177.713

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

Compound	Time (min)	Peak Area
Ethanol	1.373	315.921
n-Propanol	2.467	218.101

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 2:35:24 PM
Data file: C:\Chem32\1\Data\06Oct20\43.D	Analyst: Abbott <i>AB</i>

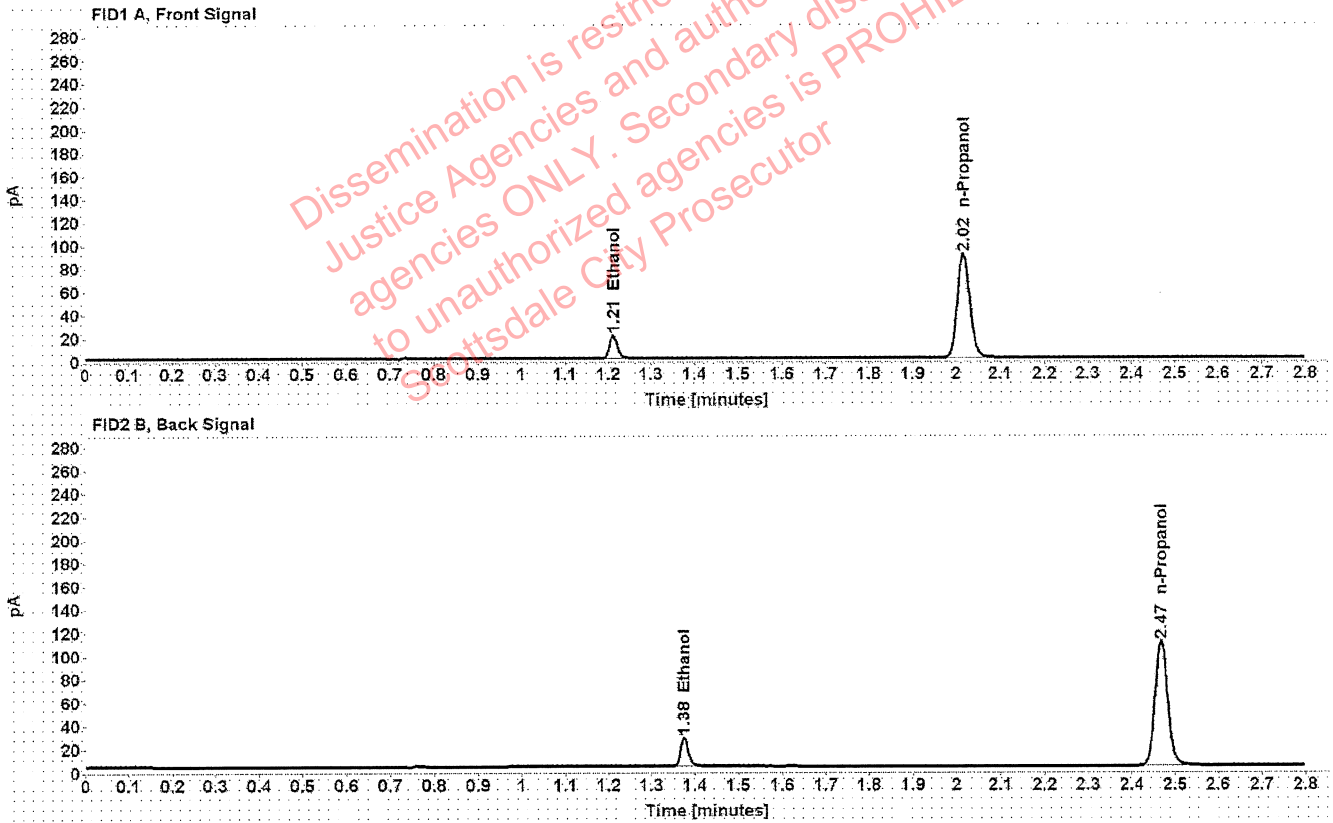


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0417	1.211	25.396
n-Propanol	-----	2.016	179.166

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

Compound	Time (min)	Peak Area
Ethanol	1.375	31.405
n-Propanol	2.468	219.127

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 2:39:24 PM
Data file: C:\Chem32\1\Data\06Oct20\44.D	Analyst: Abbott <i>AB</i>

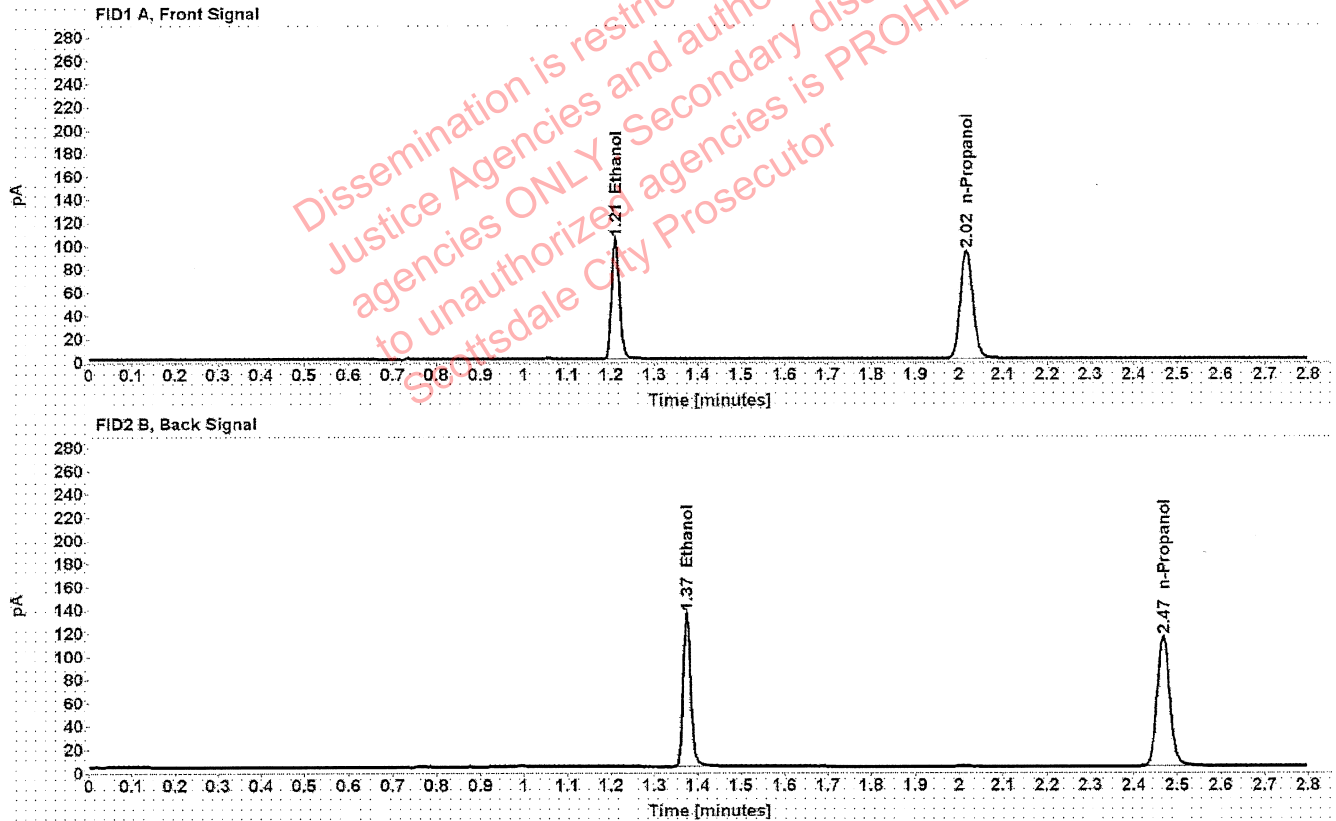


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2006	1.210	132.151
n-Propanol	-----	2.016	186.534

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

Compound	Time (min)	Peak Area
Ethanol	1.375	165.525
n-Propanol	2.468	228.490

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 06Oct20
Instrument: US14173023 CN14160045	Injection date: 10/6/2020 2:43:24 PM
Data file: C:\Chem32\1\Data\06Oct20\45.D	Analyst: Abbott <i>ab</i>

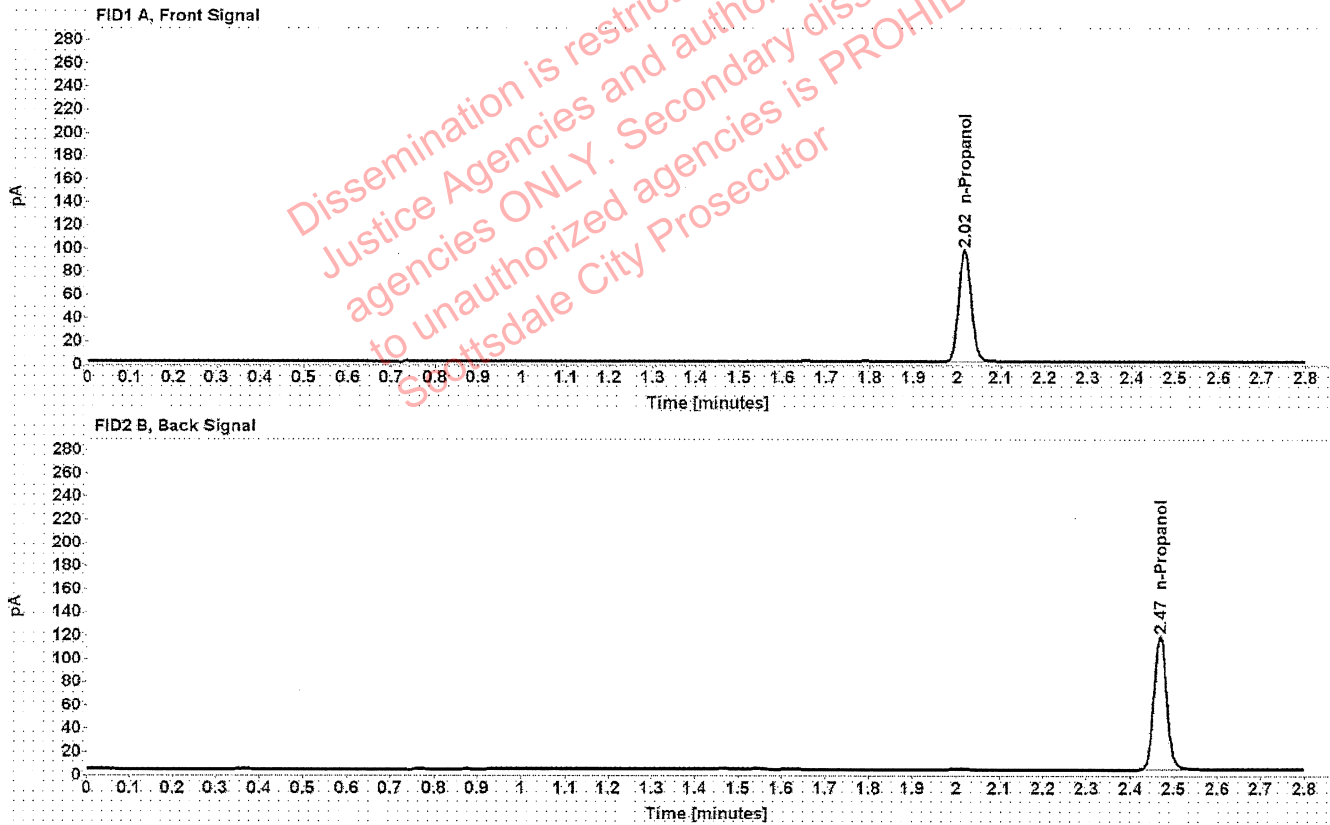


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	192.008

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	234.944

Sequence Summary

Sequence name: 06Oct20 Instrument: US14173023 CN14160045 Analyst: Abbott

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	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	071420AQ	Negative	Control		ethanol quant.M
6	070819MIX	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	407041529/13	0.198	Control		ethanol quant.M
10	32001TF		Sample		ethanol quant.M
11	32001TF		Sample		ethanol quant.M
12	17601MB		Sample		ethanol quant.M
13	17601MB		Sample		ethanol quant.M
14	32601CM		Sample		ethanol quant.M
15	32601CM		Sample		ethanol quant.M
16	32701JC		Sample		ethanol quant.M
17	32701JC		Sample		ethanol quant.M
18	3661RM		Sample		ethanol quant.M
19	3661RM		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	34001ED		Sample		ethanol quant.M
22	34001ED		Sample		ethanol quant.M
23	33801AL		Sample		ethanol quant.M
24	33801AL		Sample		ethanol quant.M
25	32001CM		Sample		ethanol quant.M
26	32001CM		Sample		ethanol quant.M
27	32701AO		Sample		ethanol quant.M
28	32701AO		Sample		ethanol quant.M
29	28501GC		Sample		ethanol quant.M
30	28501GC		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	28501NC		Sample		ethanol quant.M
33	28501NC		Sample		ethanol quant.M
34	33101RH		Sample		ethanol quant.M
35	33101RH		Sample		ethanol quant.M
36	1339971		Sample		ethanol quant.M
37	1339971		Sample		ethanol quant.M
38	1339878		Sample		ethanol quant.M
39	1339878		Sample		ethanol quant.M
40	1300535		Sample		ethanol quant.M
41	1300535		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 06Oct20

ANALYST: Abbott *Abbott*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1529	0.1524	0.15265	0.16	0.00025
12 13	0.2155	0.2156	0.21555	0.02	0.00005
14 15	0.3481	0.3508	0.34945	0.39	0.00135
16 17	0.0969	0.0958	0.09635	0.57	0.00055
18 19	0.2760	0.2771	0.27655	0.20	0.00055
21 22	0.3389	0.3402	0.33955	0.19	0.00065
23 24	0.1990	0.1983	0.19865	0.18	0.00035
25 26	0.0880	0.0878	0.08790	0.11	0.00010
27 28	0.1893	0.1880	0.18865	0.34	0.00065
29 30	0.1167	0.1170	0.11685	0.13	0.00015
32 33	0.2031	0.2012	0.20215	0.47	0.00095
34 35	0.1846	0.1845	0.18455	0.03	0.00005
36 37	0.1760	0.1749	0.17545	0.31	0.00055
38 39	0.1809	0.1793	0.18010	0.44	0.00080
40 41	0.2346	0.2352	0.23490	0.13	0.00030

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32001TF	Vial:	10
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:21:53 PM
Data file:	C:\Chem32\1\Data\06Oct20\10.D	Analyst:	Abbott

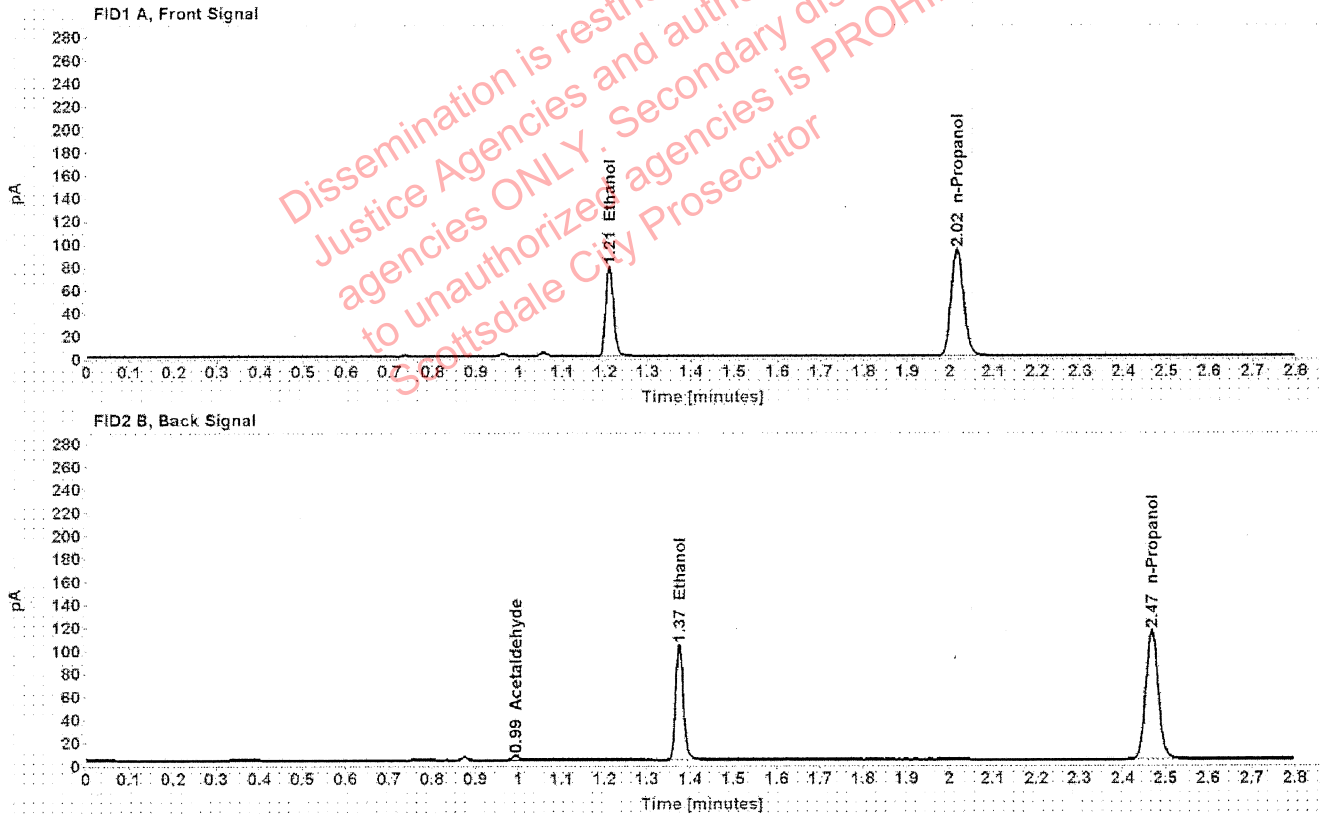


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1529	1.210	99.485
n-Propanol	-----	2.016	184.808

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.282
Ethanol	1.374	124.012
n-Propanol	2.467	227.458

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32001TF	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:25:54 PM
Data file:	C:\Chem32\1\Data\06Oct20\11.D	Analyst:	Abbott

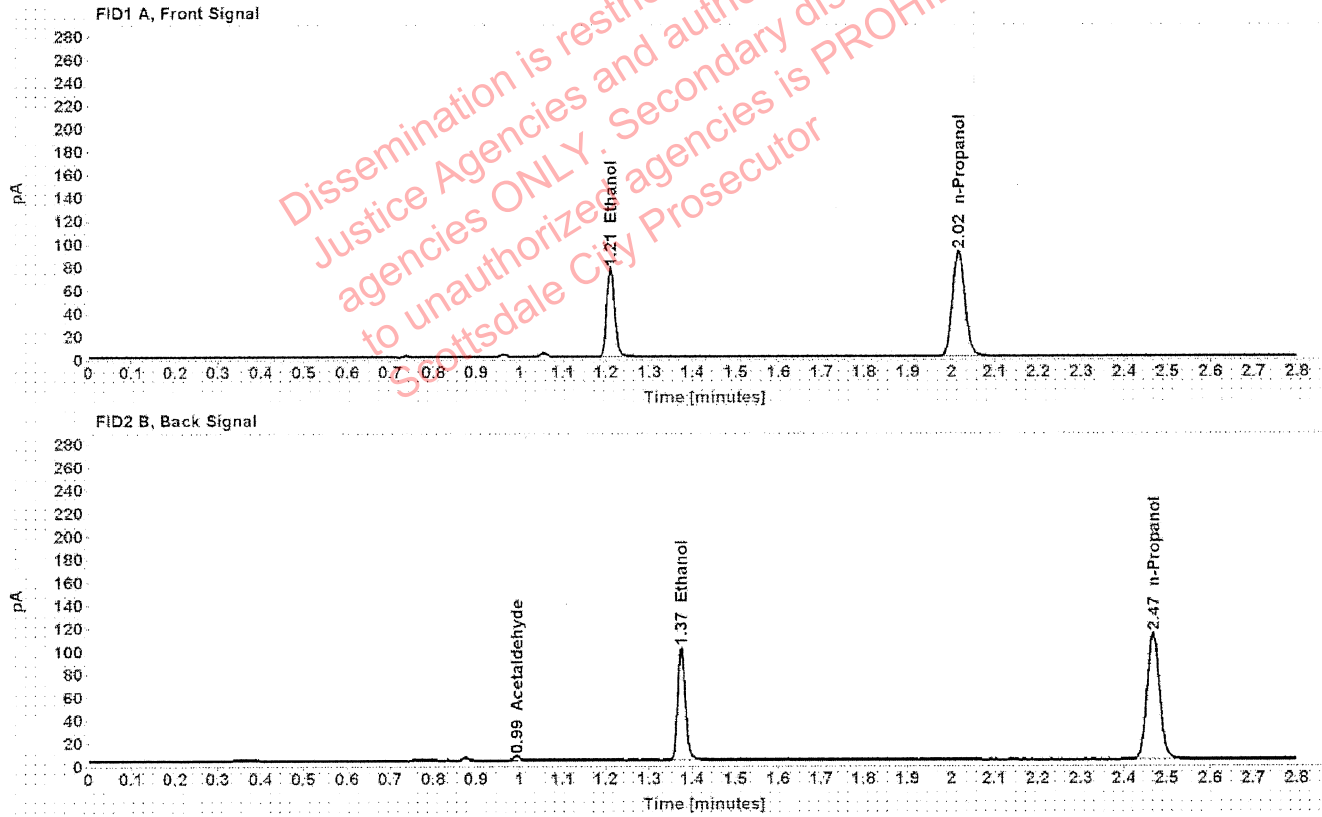


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1524	1.210	97.751
n-Propanol	-----	2.016	182.133

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.228
Ethanol	1.375	121.517
n-Propanol	2.468	224.087

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	17601MB	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:29:54 PM
Data file:	C:\Chem32\1\Data\06Oct20\12.D	Analyst:	Abbott

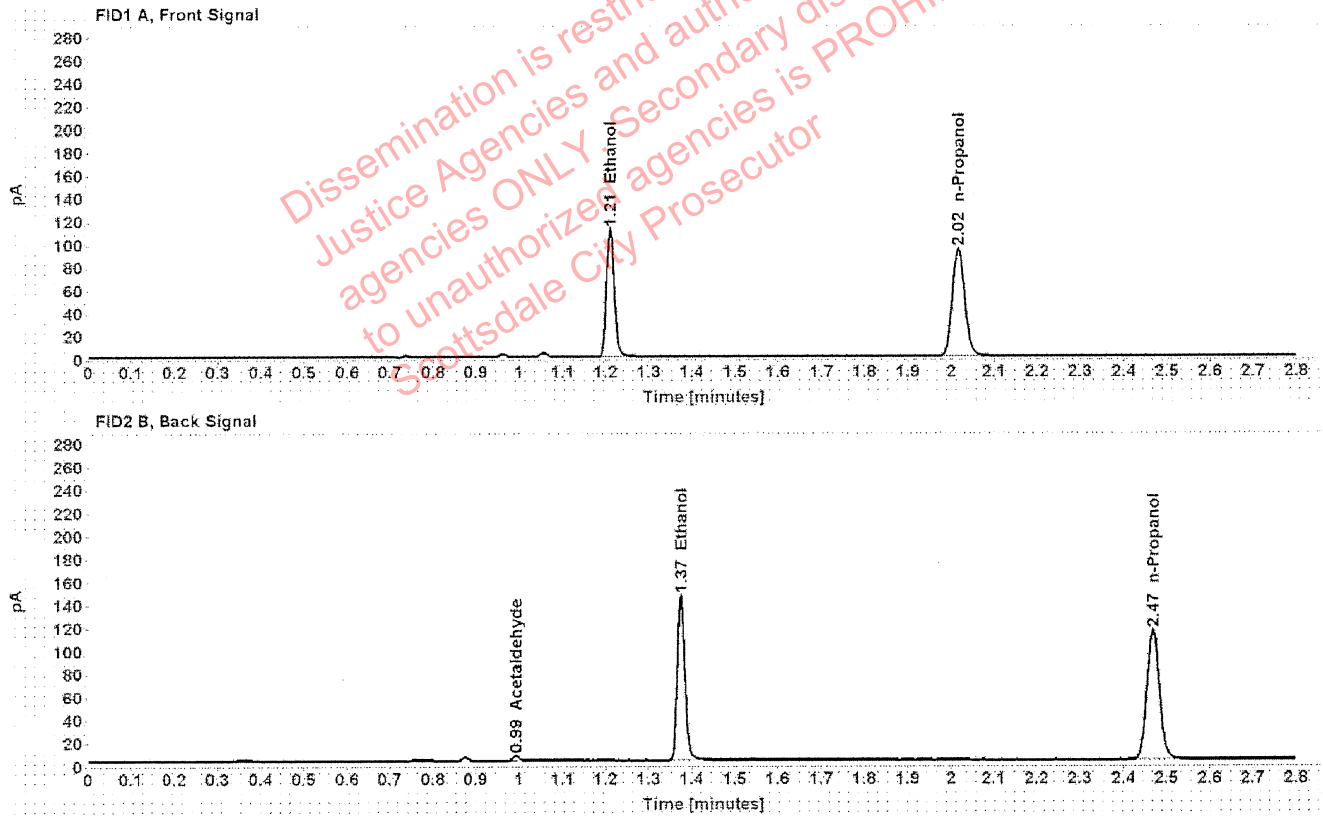


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2155	1.210	142.130
n-Propanol	-----	2.016	186.612

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.308
Ethanol	1.375	177.251
n-Propanol	2.468	229.726

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	17601MB	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:34:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\13.D	Analyst:	Abbott

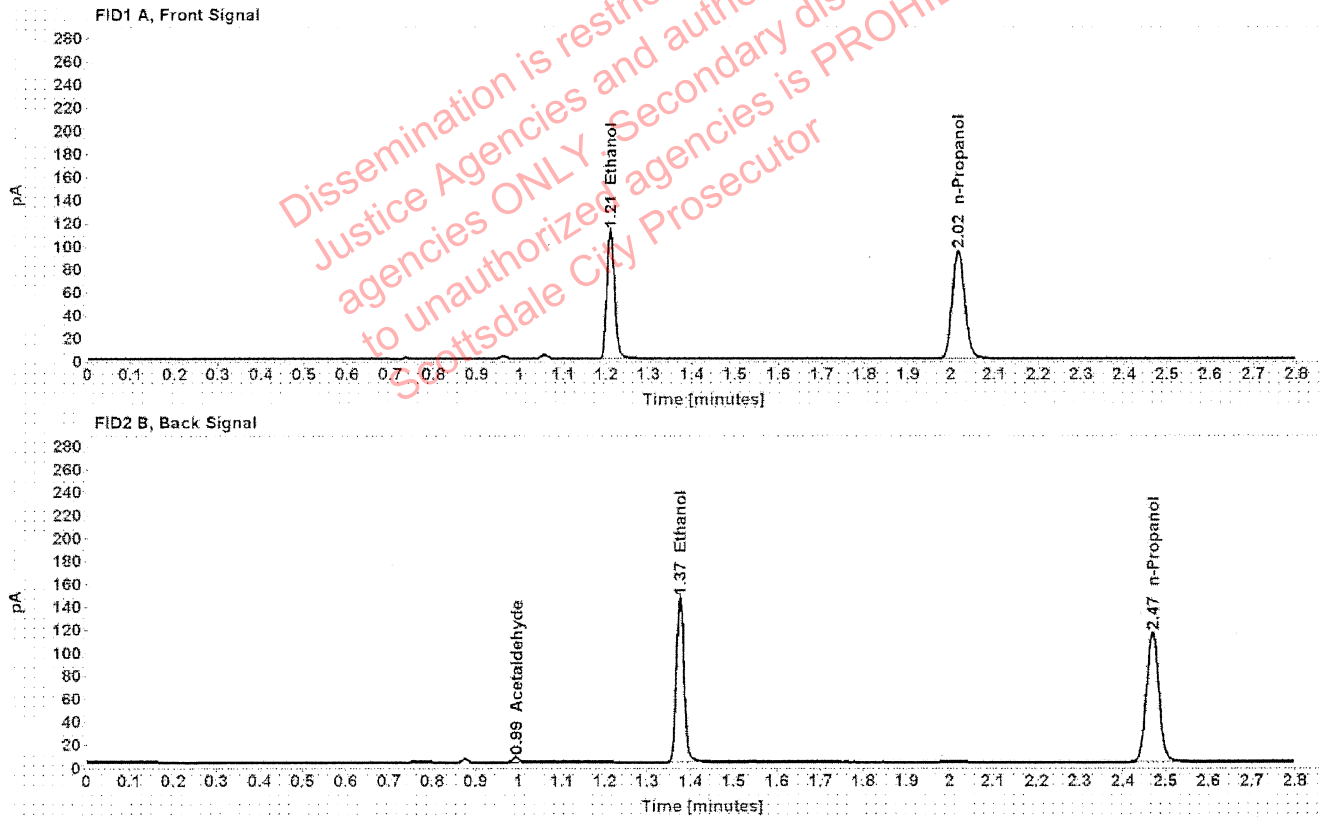


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2156	1.210	142.612
n-Propanol	-----	2.017	187.170

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.361
Ethanol	1.375	177.884
n-Propanol	2.468	230.108

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601CM	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:38:08 PM
Data file:	C:\Chem32\1\Data\06Oct20\14.D	Analyst:	Abbott

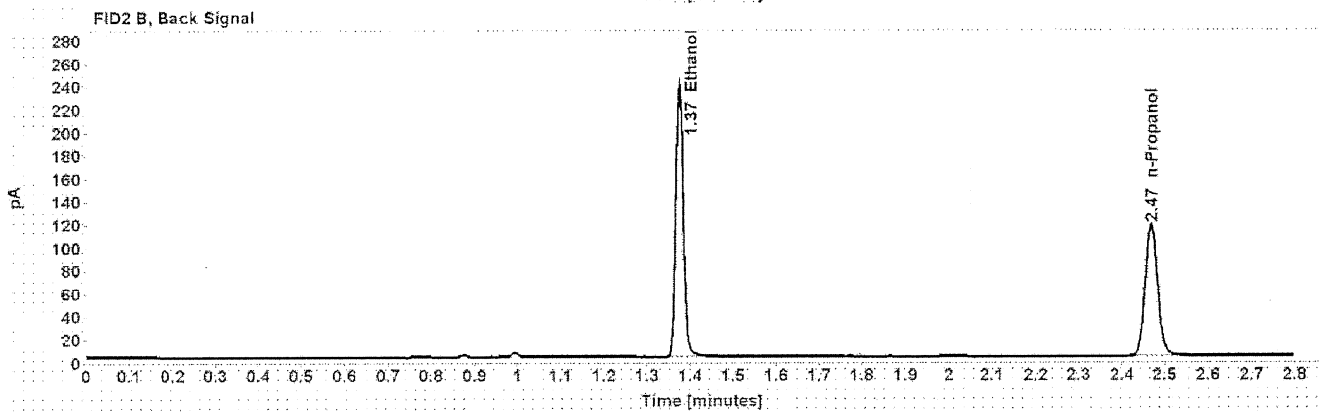
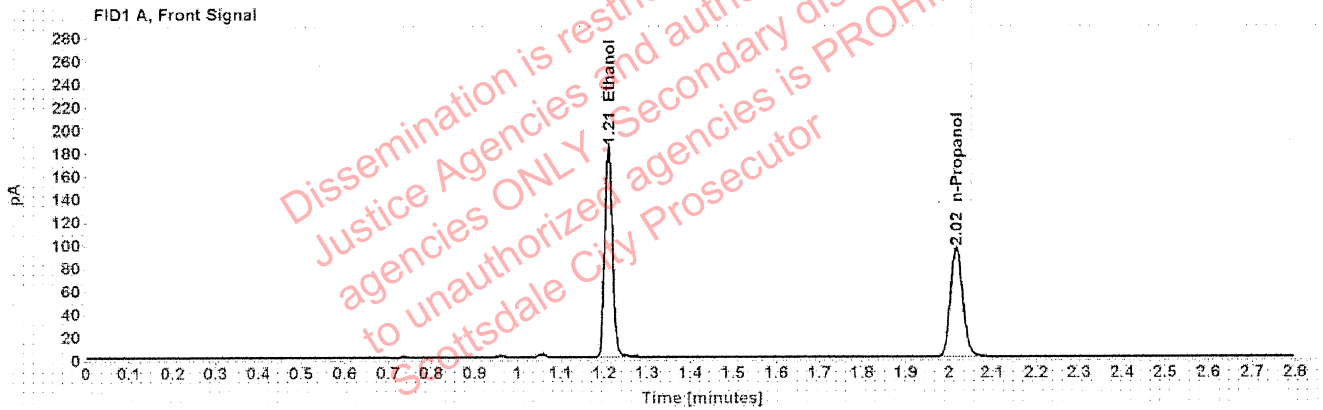


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3481	1.210	233.148
n-Propanol	-----	2.017	188.828

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

Compound	Time (min)	Peak Area
Ethanol	1.375	291.895
n-Propanol	2.468	231.892

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601CM	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:42:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\15.D	Analyst:	Abbott

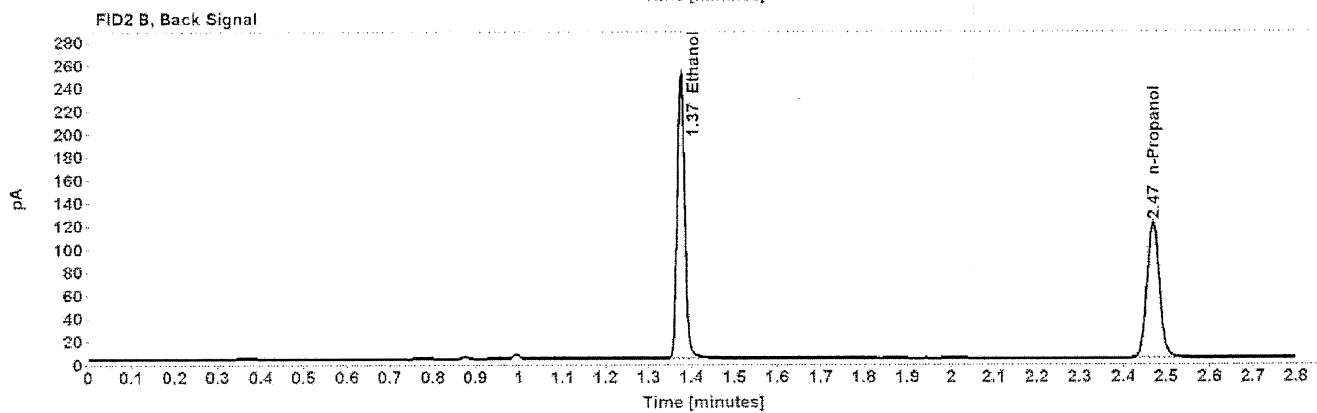
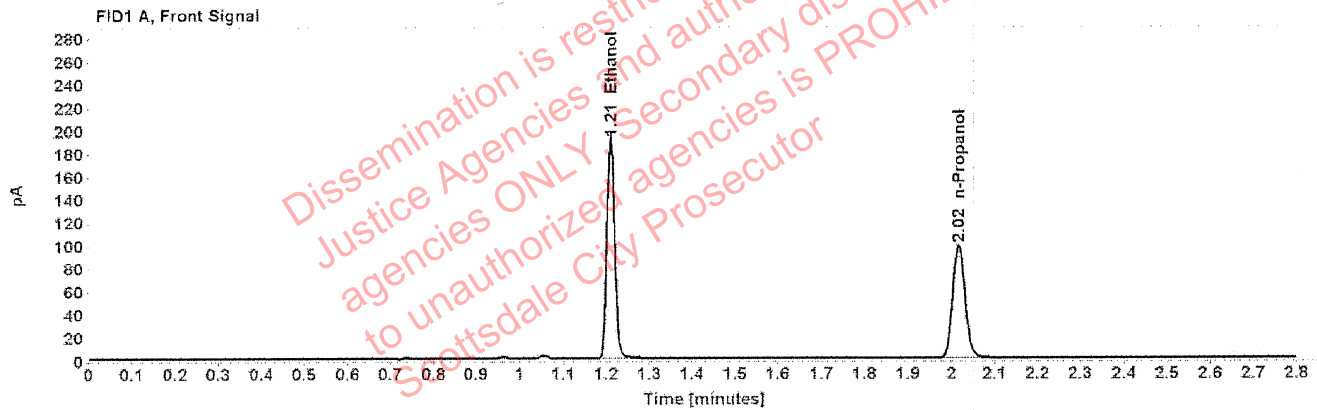


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3508	1.210	243.127
n-Propanol	-----	2.017	195.430

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

Compound	Time (min)	Peak Area
Ethanol	1.375	304.801
n-Propanol	2.468	240.060

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JC	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:46:08 PM
Data file:	C:\Chem32\1\Data\06Oct20\16.D	Analyst:	Abbott

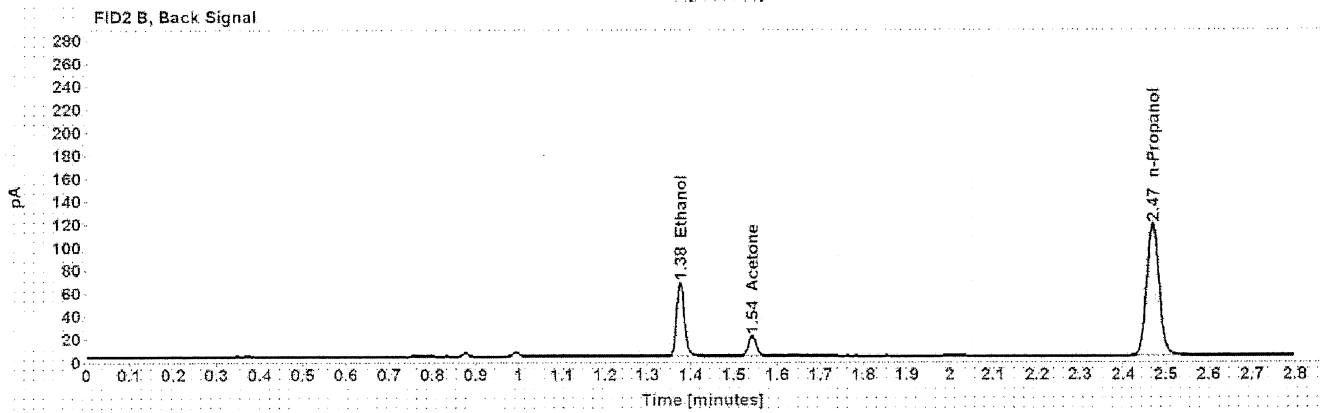
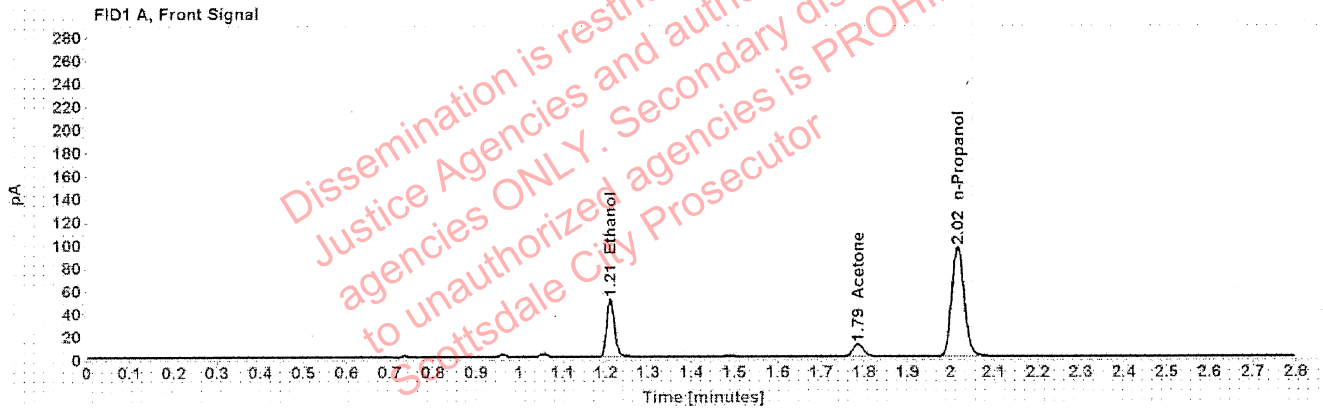


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0969	1.211	64.401
Acetone	-----	1.786	18.151
n-Propanol	-----	2.017	190.043

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

Compound	Time (min)	Peak Area
Ethanol	1.376	80.118
Acetone	1.542	22.254
n-Propanol	2.468	232.824

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701JC	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:50:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\17.D	Analyst:	Abbott

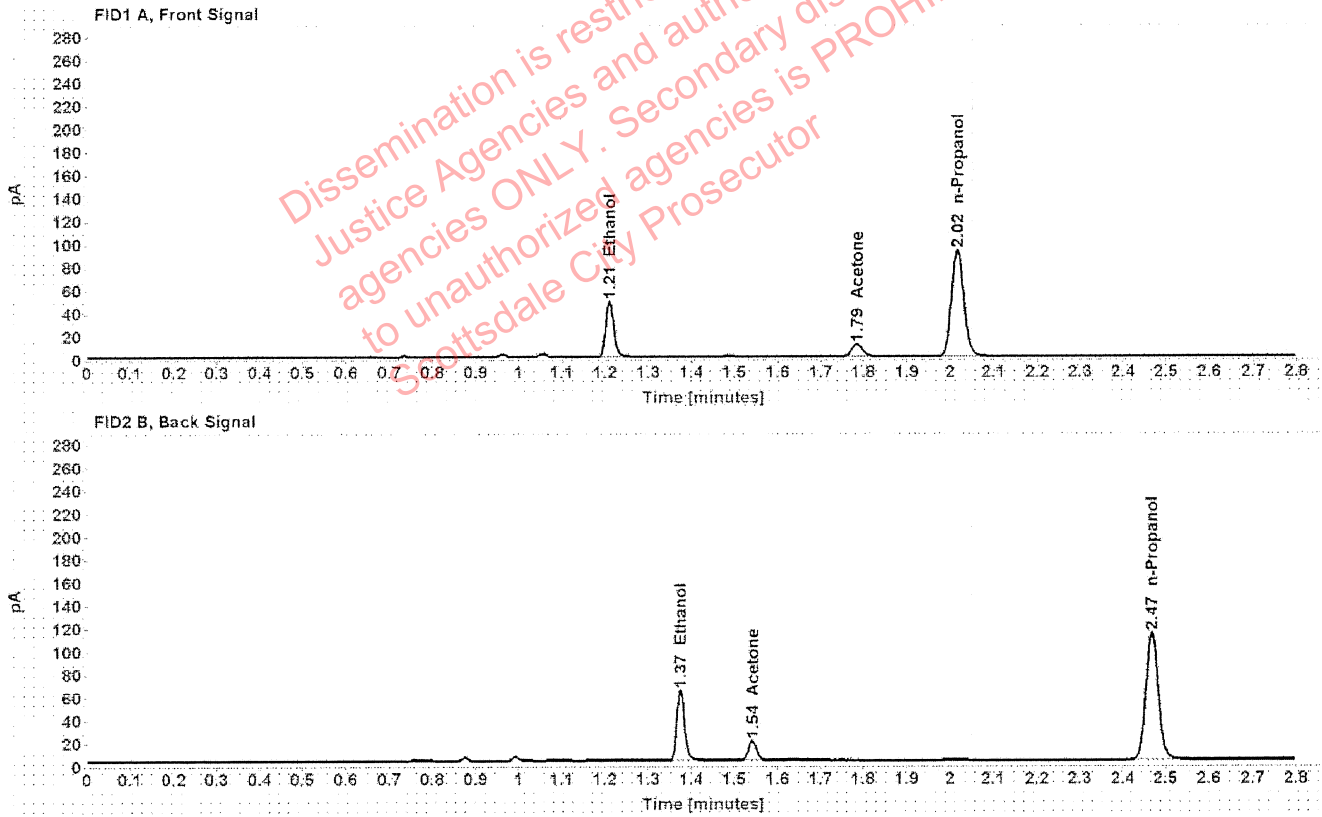


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0958	1.210	61.620
Acetone	-----	1.785	18.016
n-Propanol	-----	2.016	184.082

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

Compound	Time (min)	Peak Area
Ethanol	1.375	76.490
Acetone	1.541	22.056
n-Propanol	2.468	225.287

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3661RM	Vial:	18
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:54:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\18.D	Analyst:	Abbott

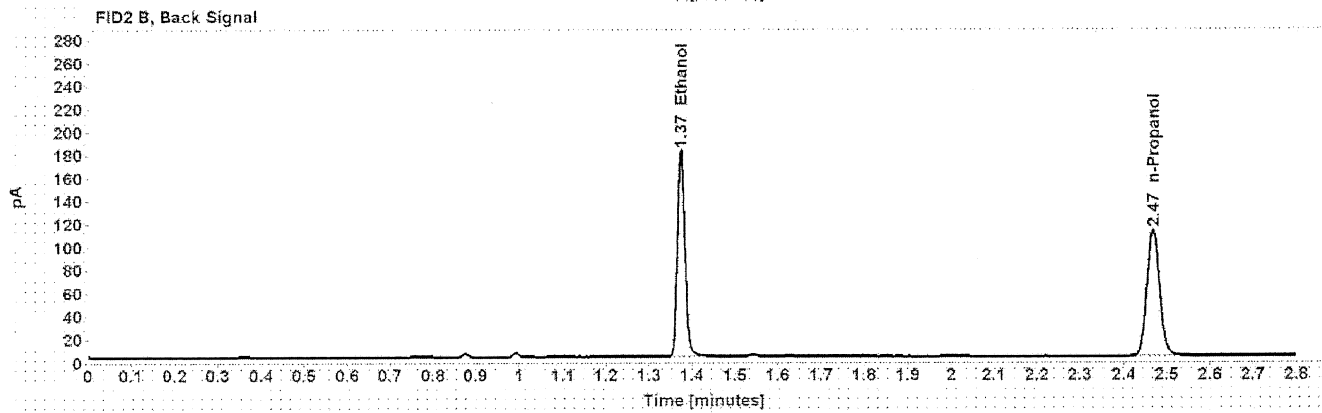
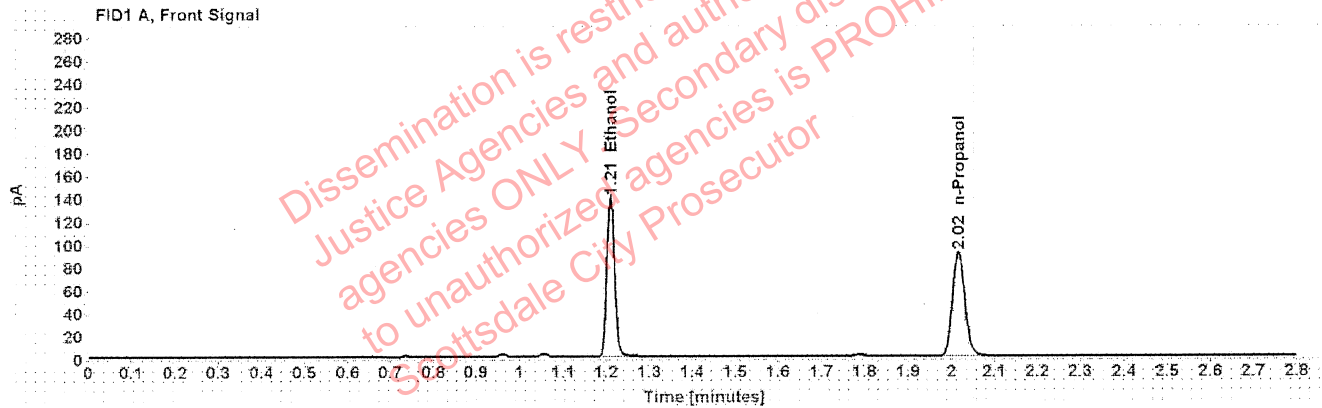


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2760	1.210	177.330
n-Propanol	-----	2.016	181.400

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

Compound	Time (min)	Peak Area
Ethanol	1.375	223.134
n-Propanol	2.468	223.131

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3661RM	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 12:58:24 PM
Data file:	C:\Chem32\1\Data\06Oct20\19.D	Analyst:	Abbott

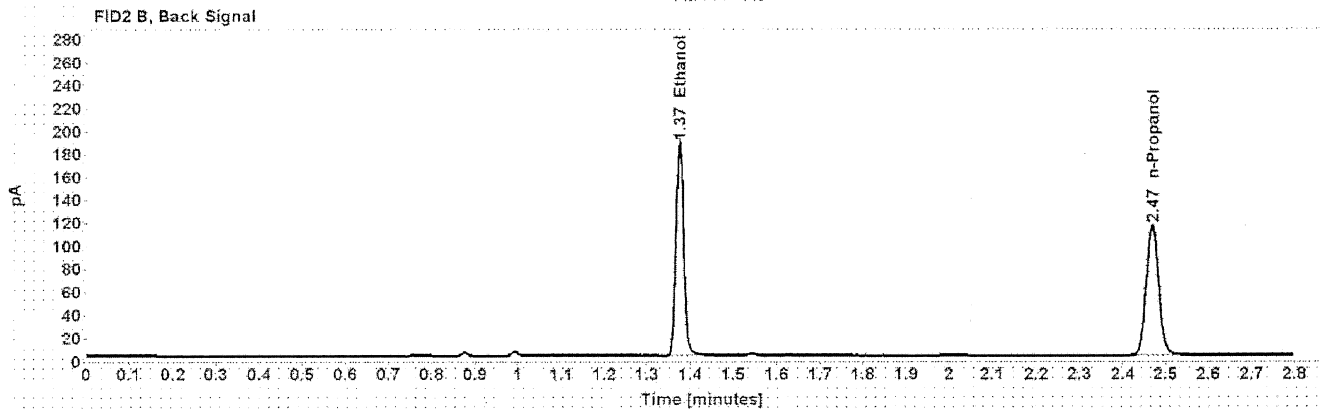
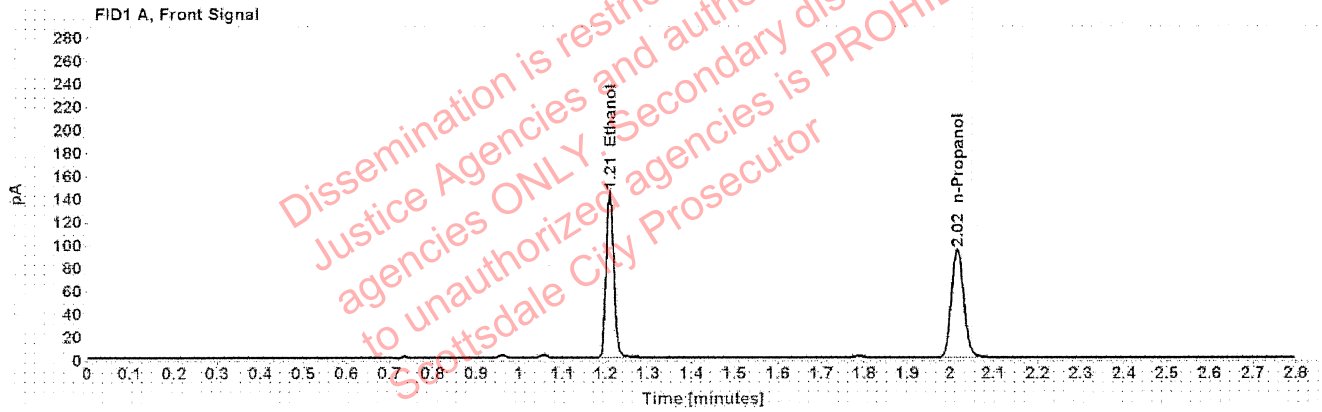


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2771	1.210	183.872
n-Propanol	-----	2.016	187.380

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

Compound	Time (min)	Peak Area
Ethanol	1.375	231.150
n-Propanol	2.468	230.522

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001ED	Vial:	21
Description:	[Redacted]	LIMS ID:	[Redacted]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:06:24 PM
Data file:	C:\Chem32\1\Data\06Oct20\21.D	Analyst:	Abbott

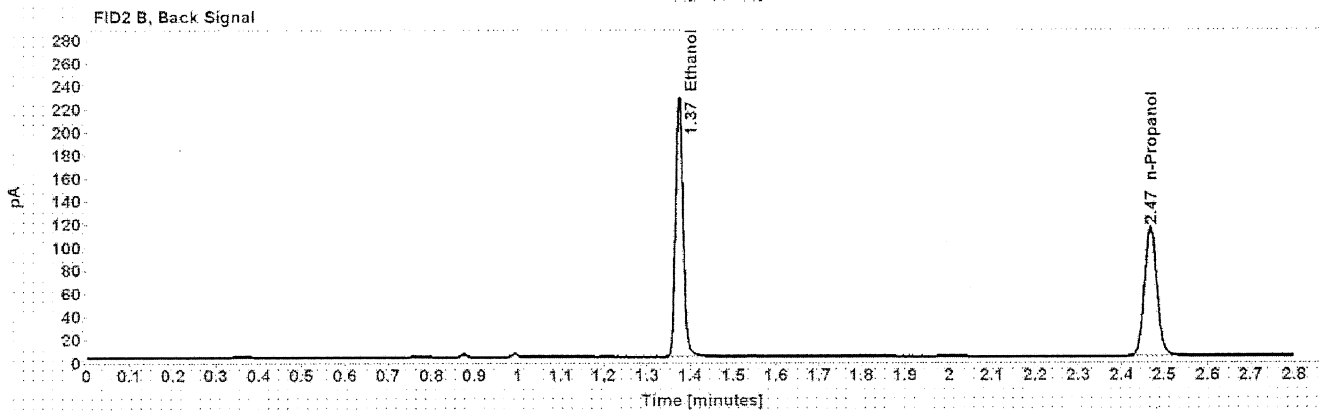
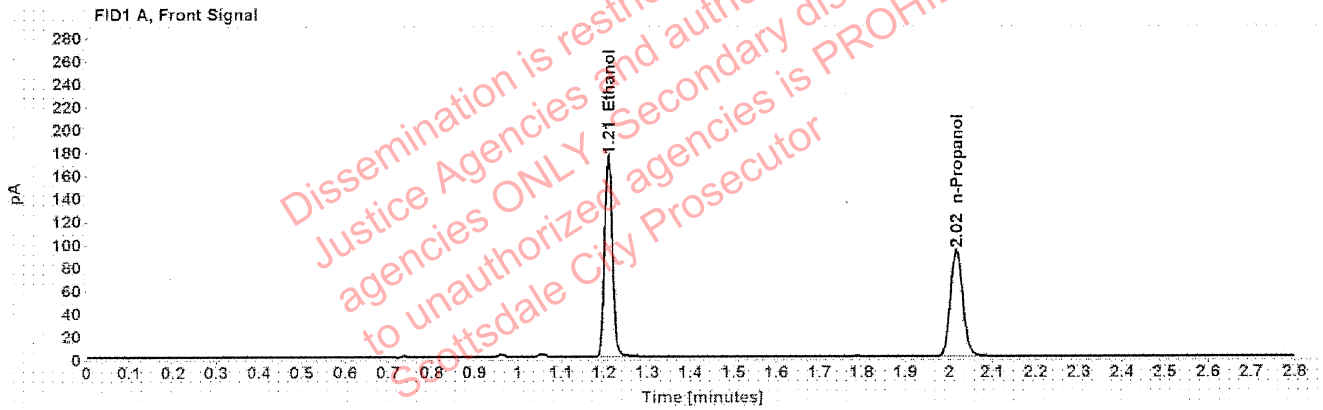


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3389	1.209	222.374
n-Propanol	-----	2.016	185.029

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

Compound	Time (min)	Peak Area
Ethanol	1.374	279.834
n-Propanol	2.468	226.929

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001ED	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:10:24 PM
Data file:	C:\Chem32\1\Data\06Oct20\22.D	Analyst:	Abbott

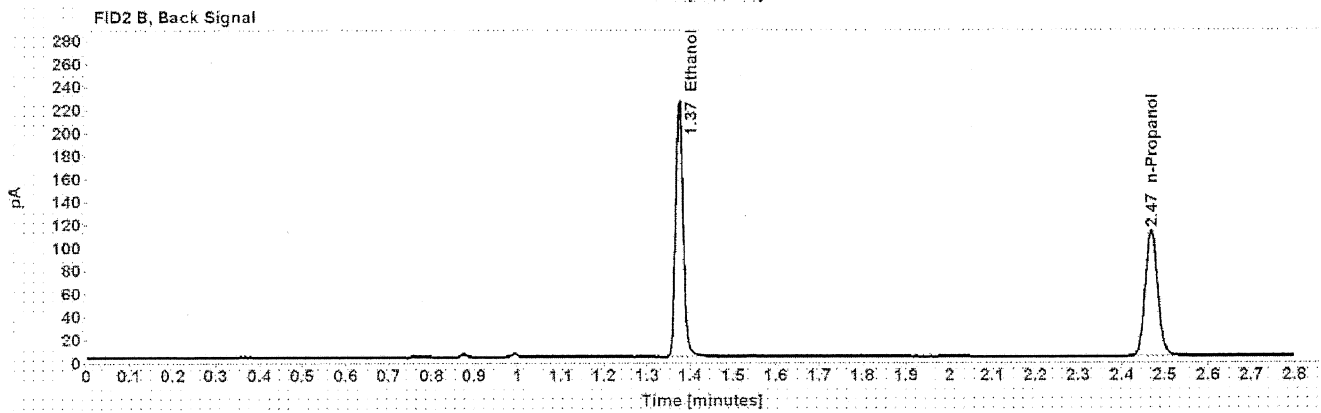
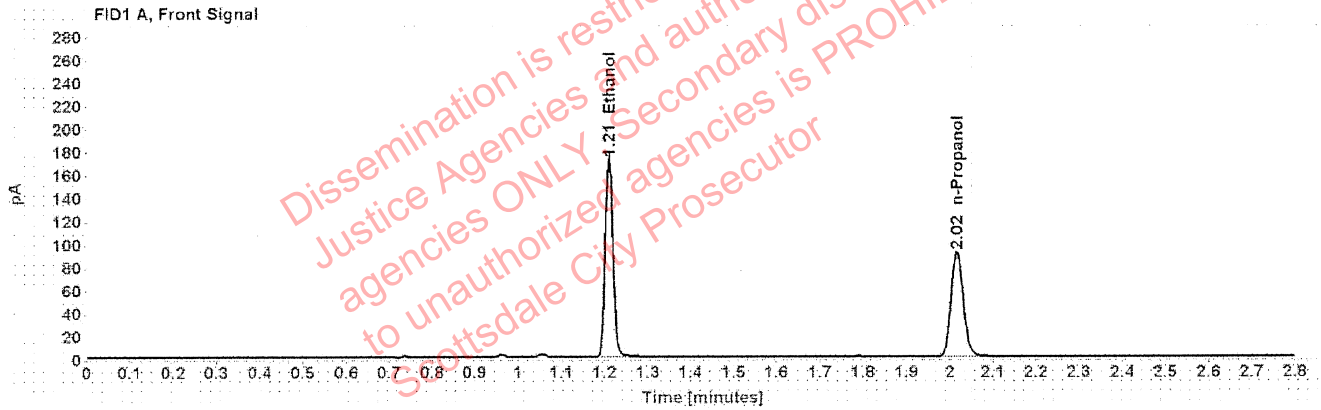


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3402	1.210	219.141
n-Propanol	-----	2.016	181.665

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

Compound	Time (min)	Peak Area
Ethanol	1.375	275.499
n-Propanol	2.468	222.688

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33801AL	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:14:24 PM
Data file:	C:\Chem32\1\Data\06Oct20\23.D	Analyst:	Abbott

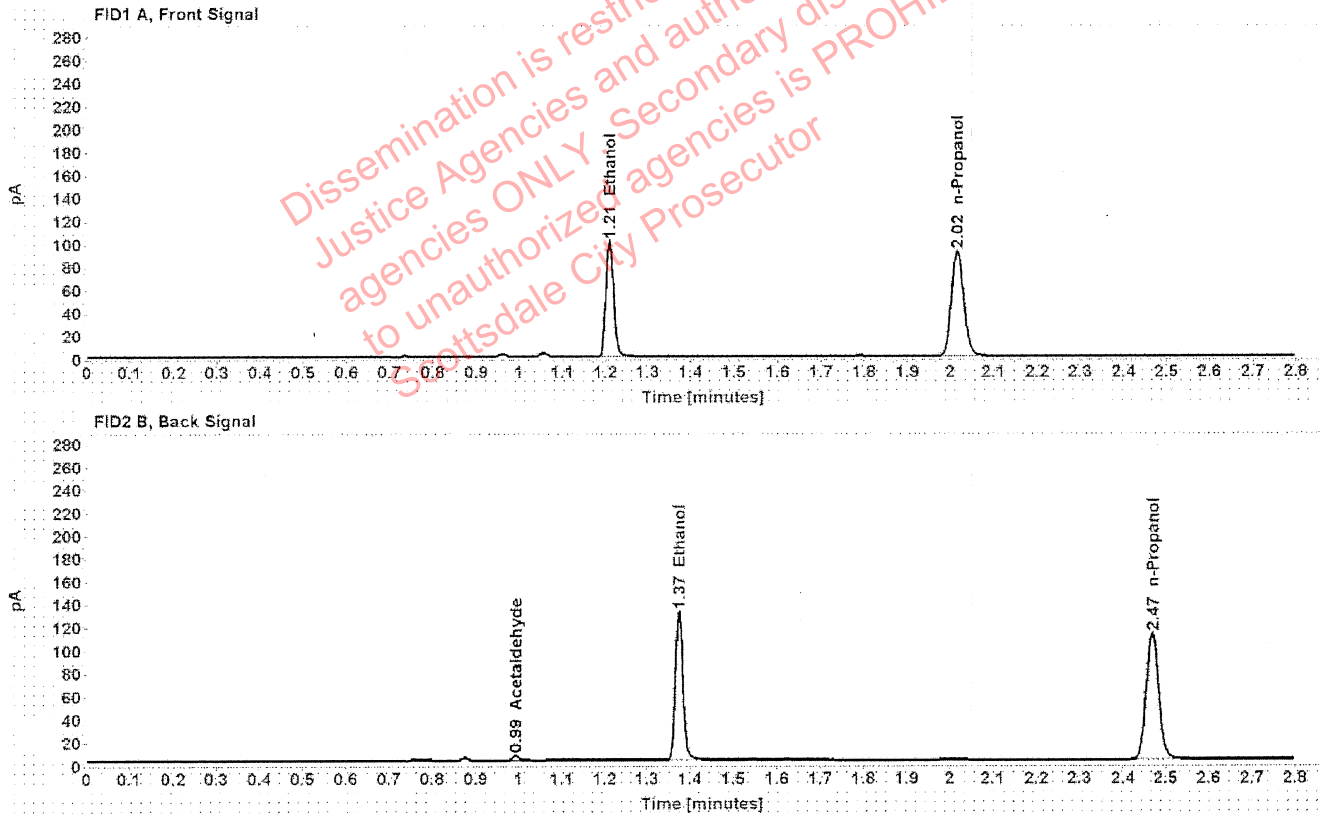


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1990	1.210	128.403
n-Propanol	-----	2.016	182.646

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.449
Ethanol	1.374	160.322
n-Propanol	2.468	224.645

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33801AL	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:18:24 PM
Data file:	C:\Chem32\1\Data\06Oct20\24.D	Analyst:	Abbott

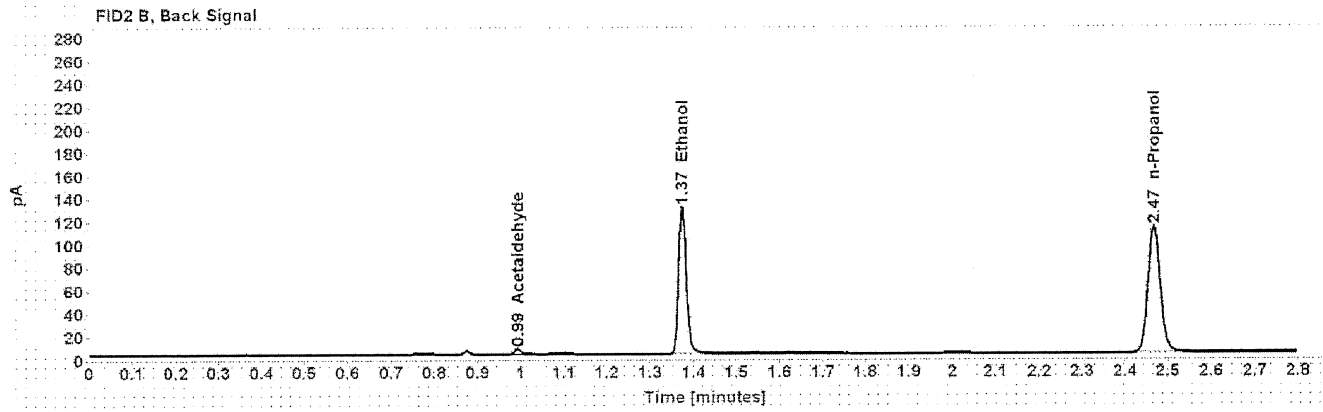
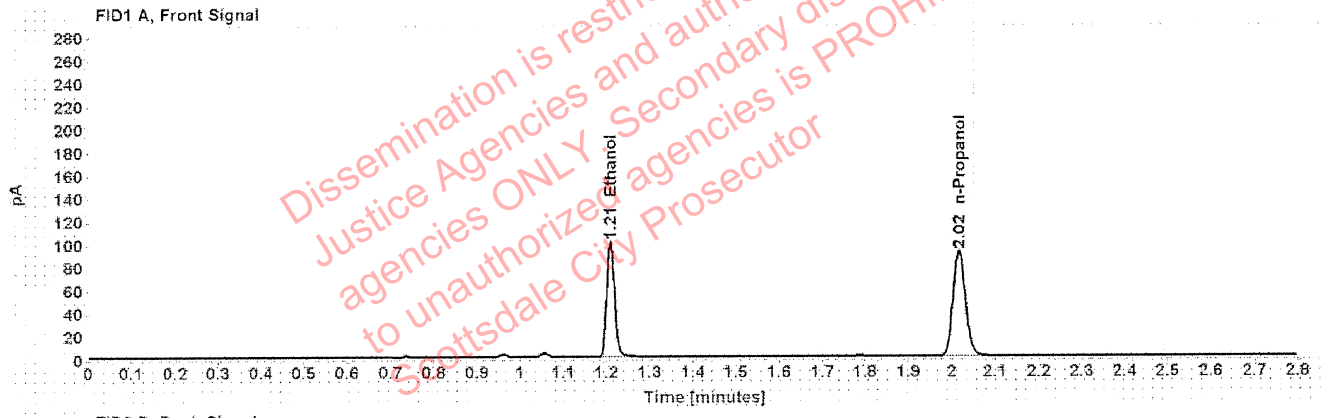


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1983	1.210	127.548
n-Propanol	-----	2.016	182.096

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.490
Ethanol	1.374	159.029
n-Propanol	2.467	223.921

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32001CM	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:22:38 PM
Data file:	C:\Chem32\1\Data\06Oct20\25.D	Analyst:	Abbott

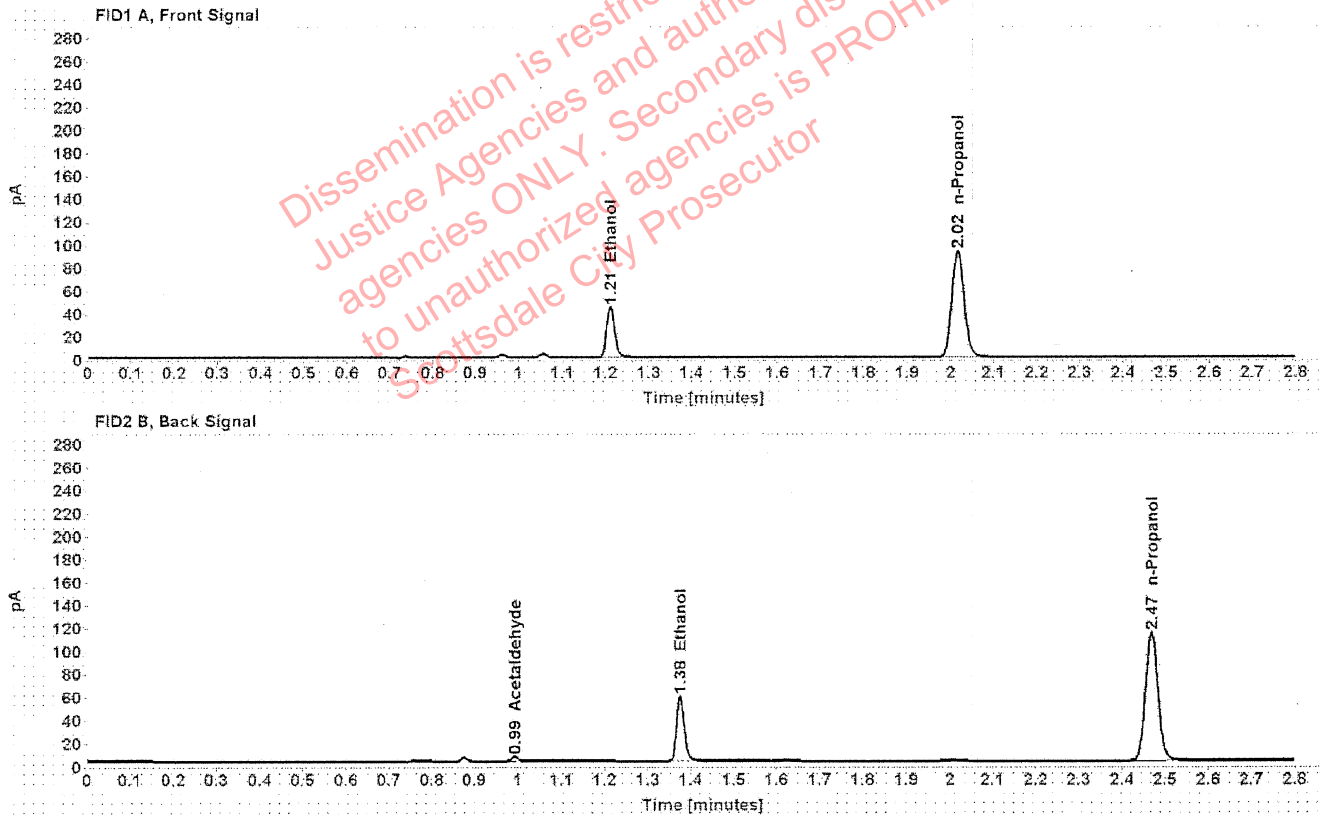


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0880	1.211	56.726
n-Propanol	-----	2.016	184.875

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.166
Ethanol	1.375	70.440
n-Propanol	2.468	227.113

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32001CM	Vial:	26
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:26:39 PM
Data file:	C:\Chem32\1\Data\06Oct20\26.D	Analyst:	Abbott

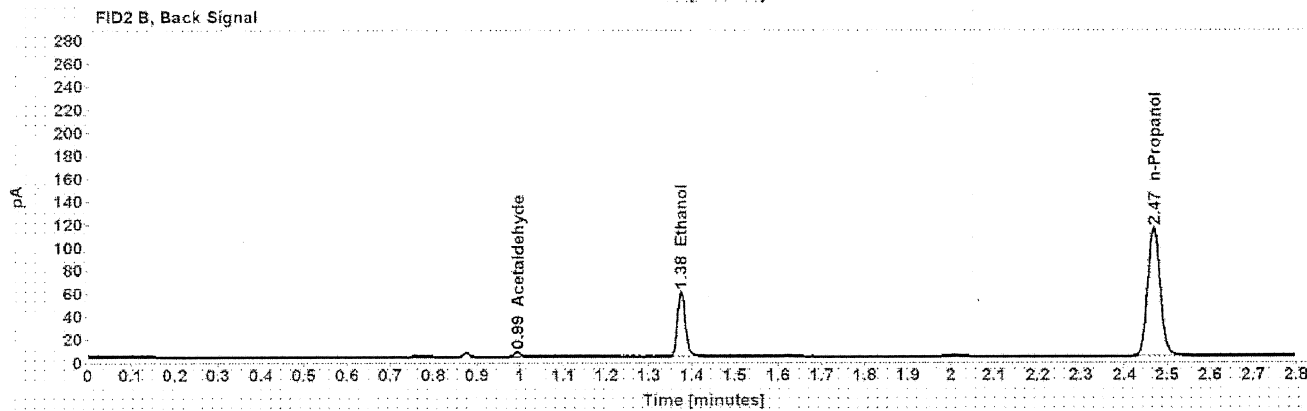
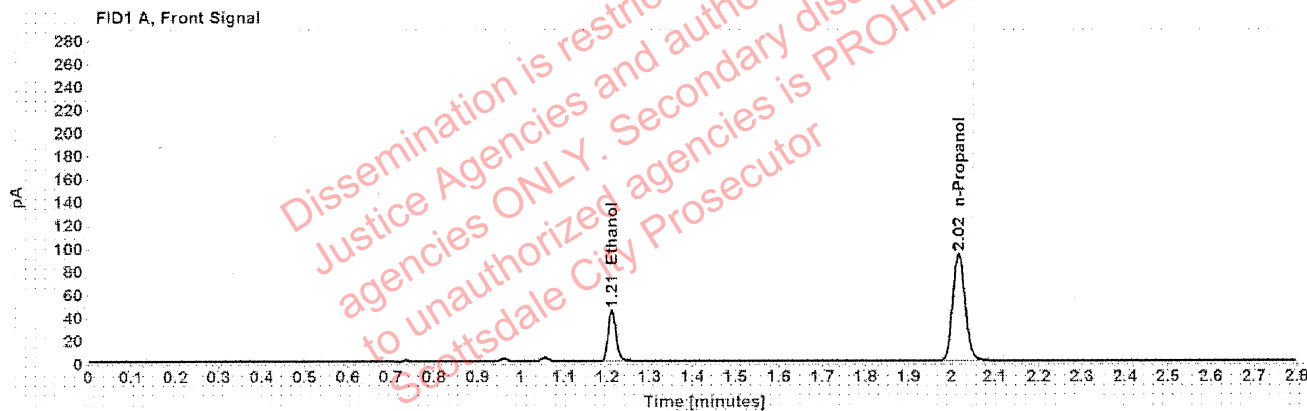


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0878	1.211	56.842
n-Propanol	-----	2.016	185.534

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.217
Ethanol	1.375	70.856
n-Propanol	2.468	227.908

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701AO	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:30:39 PM
Data file:	C:\Chem32\1\Data\06Oct20\27.D	Analyst:	Abbott

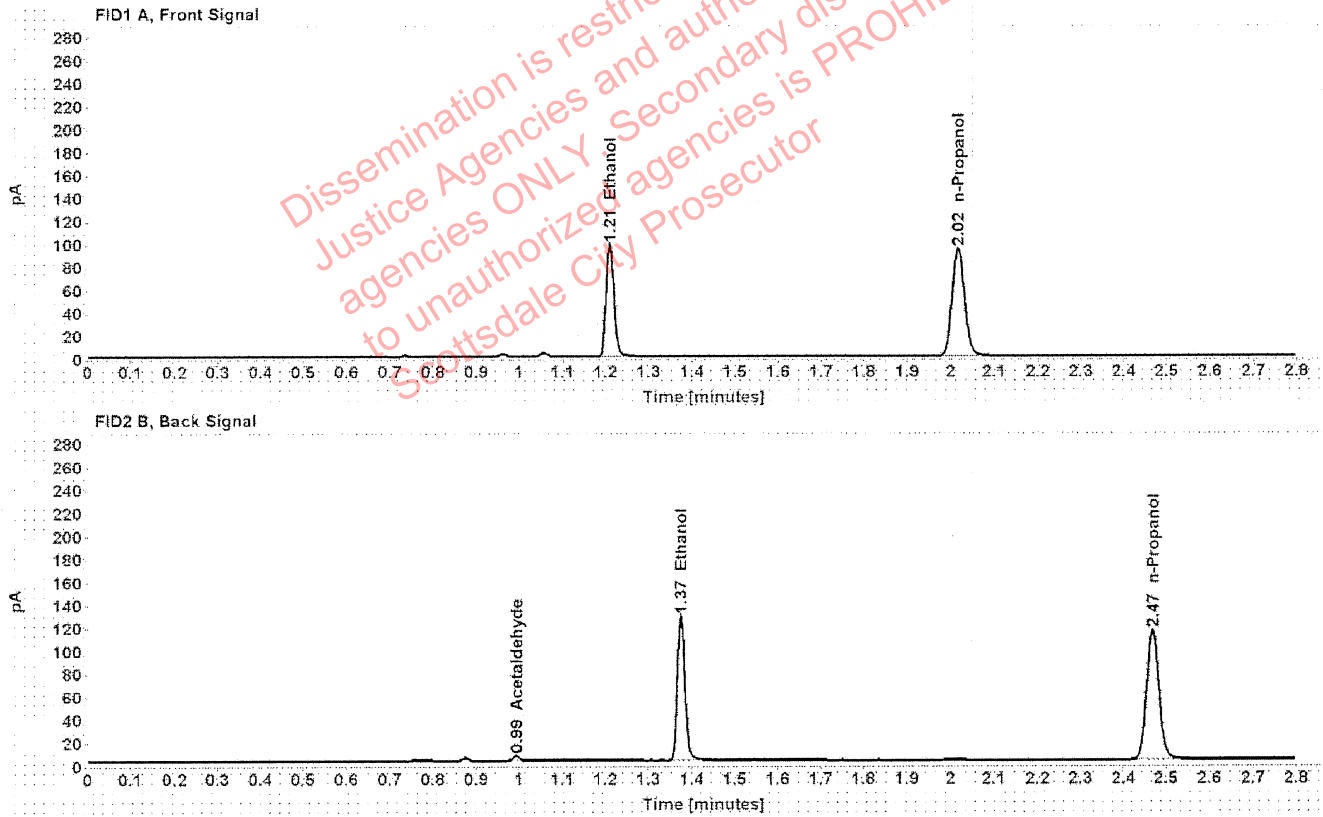


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1893	1.210	125.334
n-Propanol	-----	2.016	187.534

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.382
Ethanol	1.375	155.800
n-Propanol	2.468	229.741

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32701AO	Vial:	28
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:34:39 PM
Data file:	C:\Chem32\1\Data\06Oct20\28.D	Analyst:	Abbott

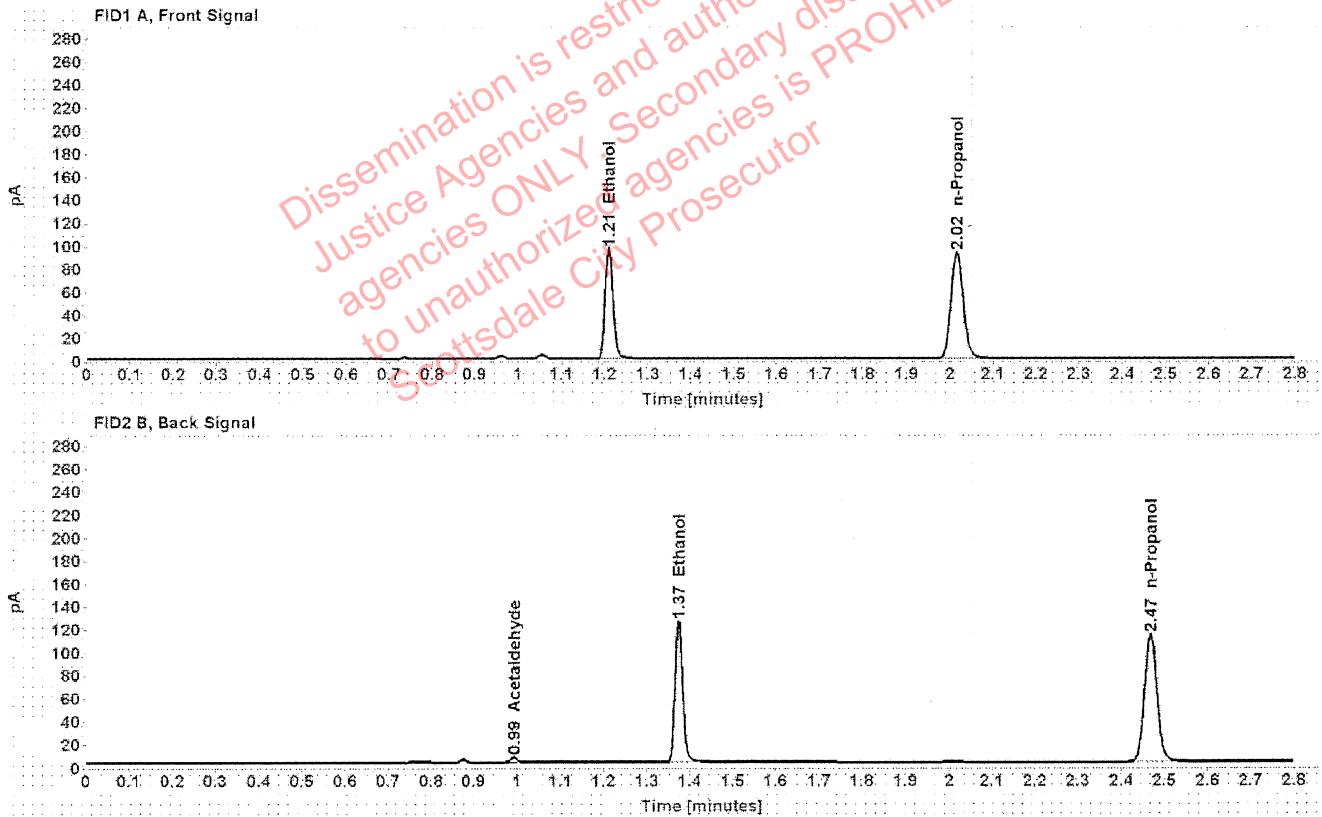


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1880	1.210	122.471
n-Propanol	-----	2.016	184.538

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.429
Ethanol	1.374	152.578
n-Propanol	2.467	226.212

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501GC	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:38:39 PM
Data file:	C:\Chem32\1\Data\06Oct20\29.D	Analyst:	Abbott

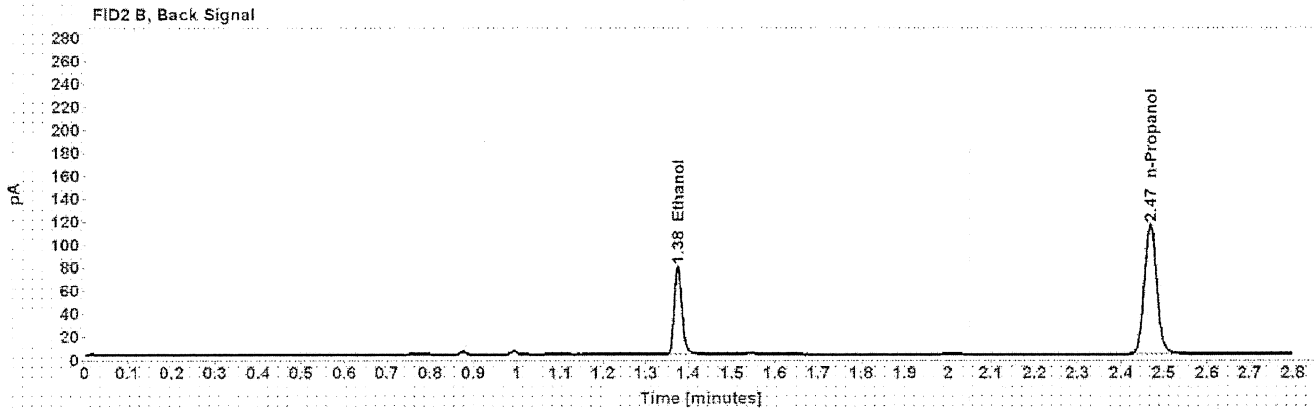
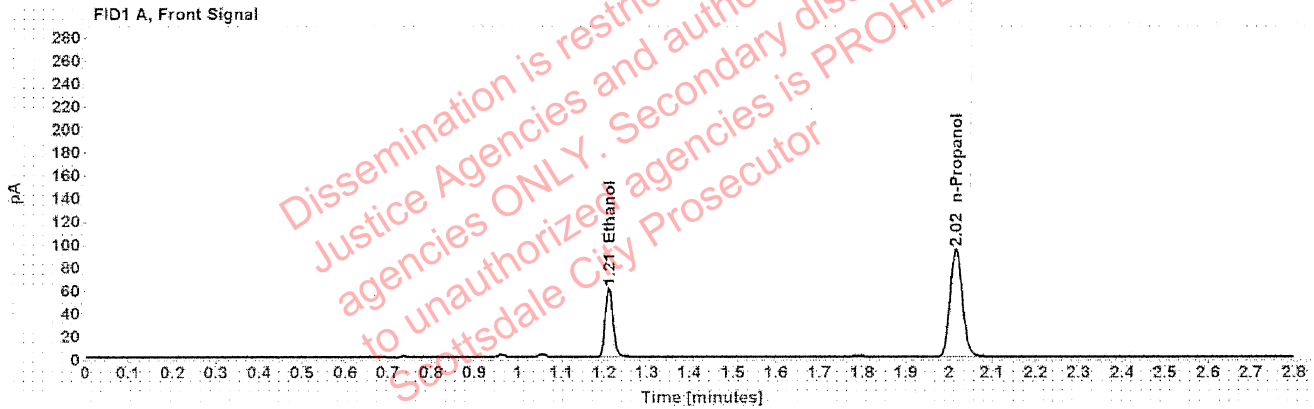


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1167	1.211	76.695
n-Propanol	-----	2.016	187.383

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

Compound	Time (min)	Peak Area
Ethanol	1.375	95.326
n-Propanol	2.468	229.805

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501GC	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:42:39 PM
Data file:	C:\Chem32\1\Data\06Oct20\30.D	Analyst:	Abbott

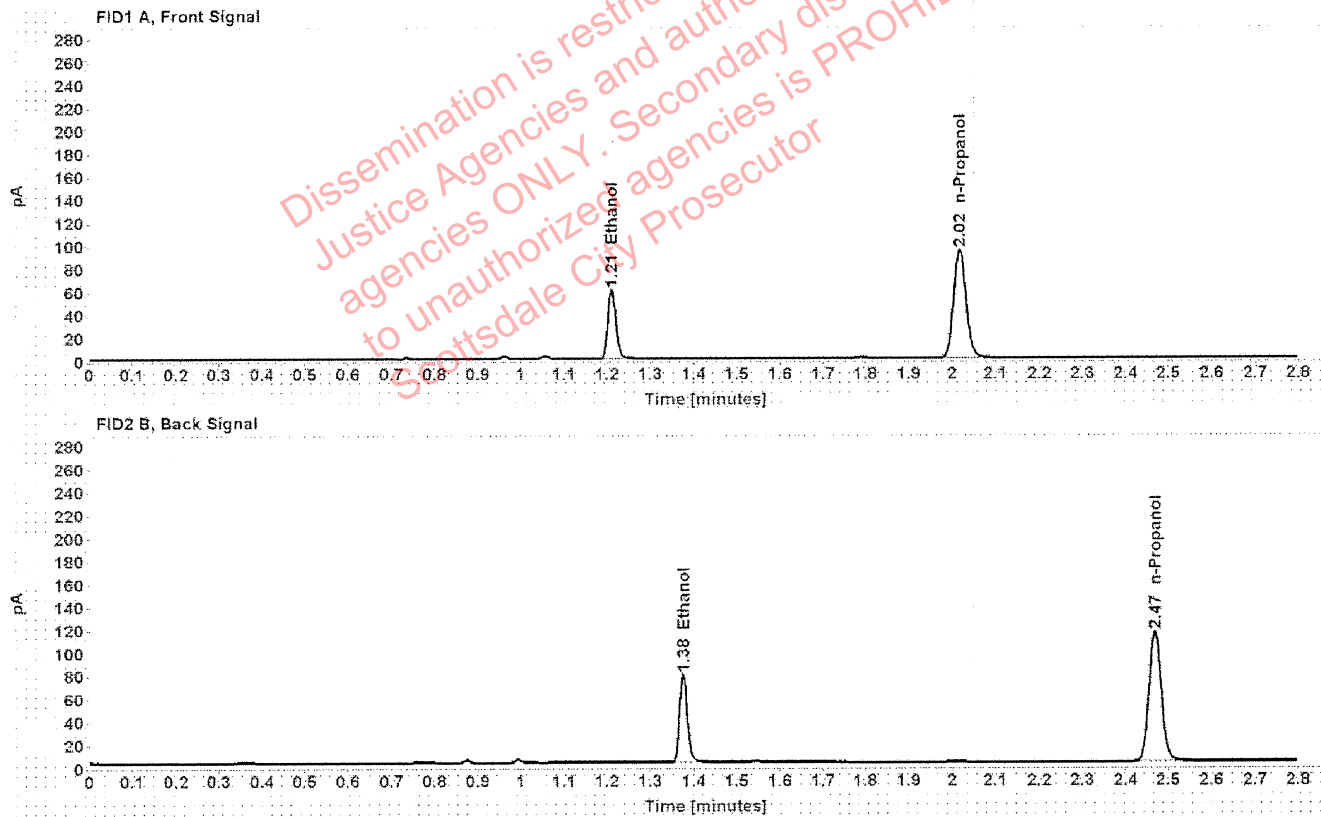


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1170	1.211	77.096
n-Propanol	-----	2.017	187.801

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

Compound	Time (min)	Peak Area
Ethanol	1.376	95.732
n-Propanol	2.469	229.896

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501NC	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:50:54 PM
Data file:	C:\Chem32\1\Data\06Oct20\32.D	Analyst:	Abbott

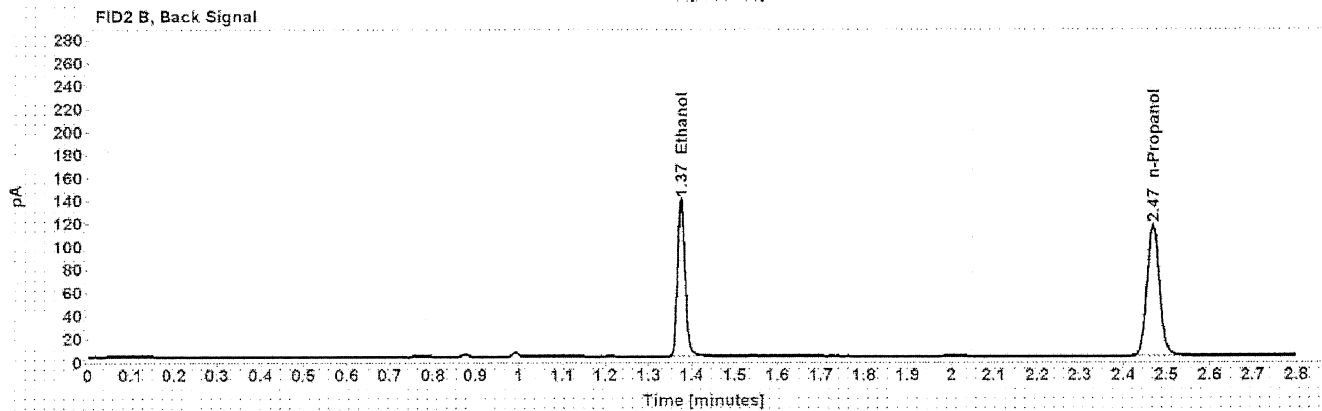
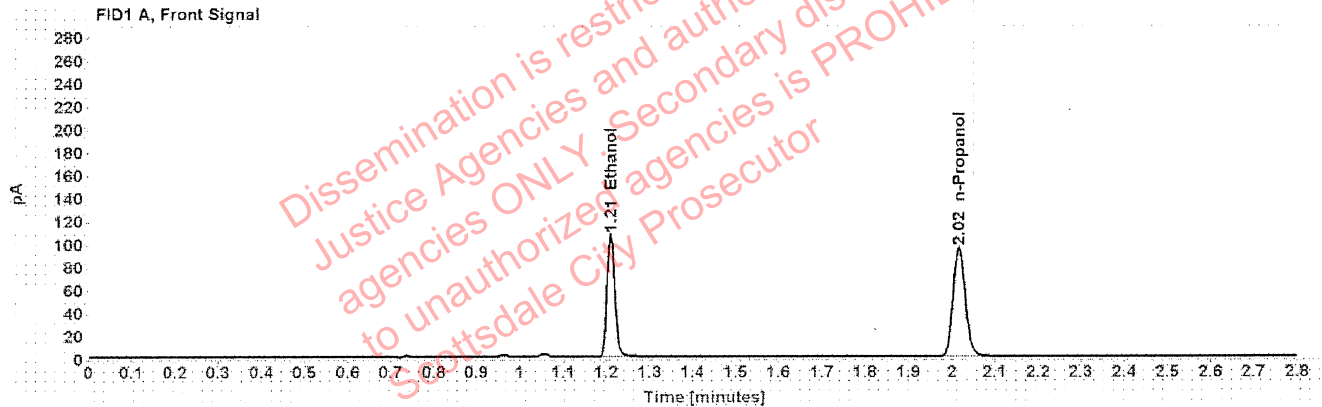


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.210	135.828
n-Propanol	-----	2.016	189.284

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

Compound	Time (min)	Peak Area
Ethanol	1.375	169.196
n-Propanol	2.468	231.616

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28501NC	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:54:54 PM
Data file:	C:\Chem32\1\Data\06Oct20\33.D	Analyst:	Abbott

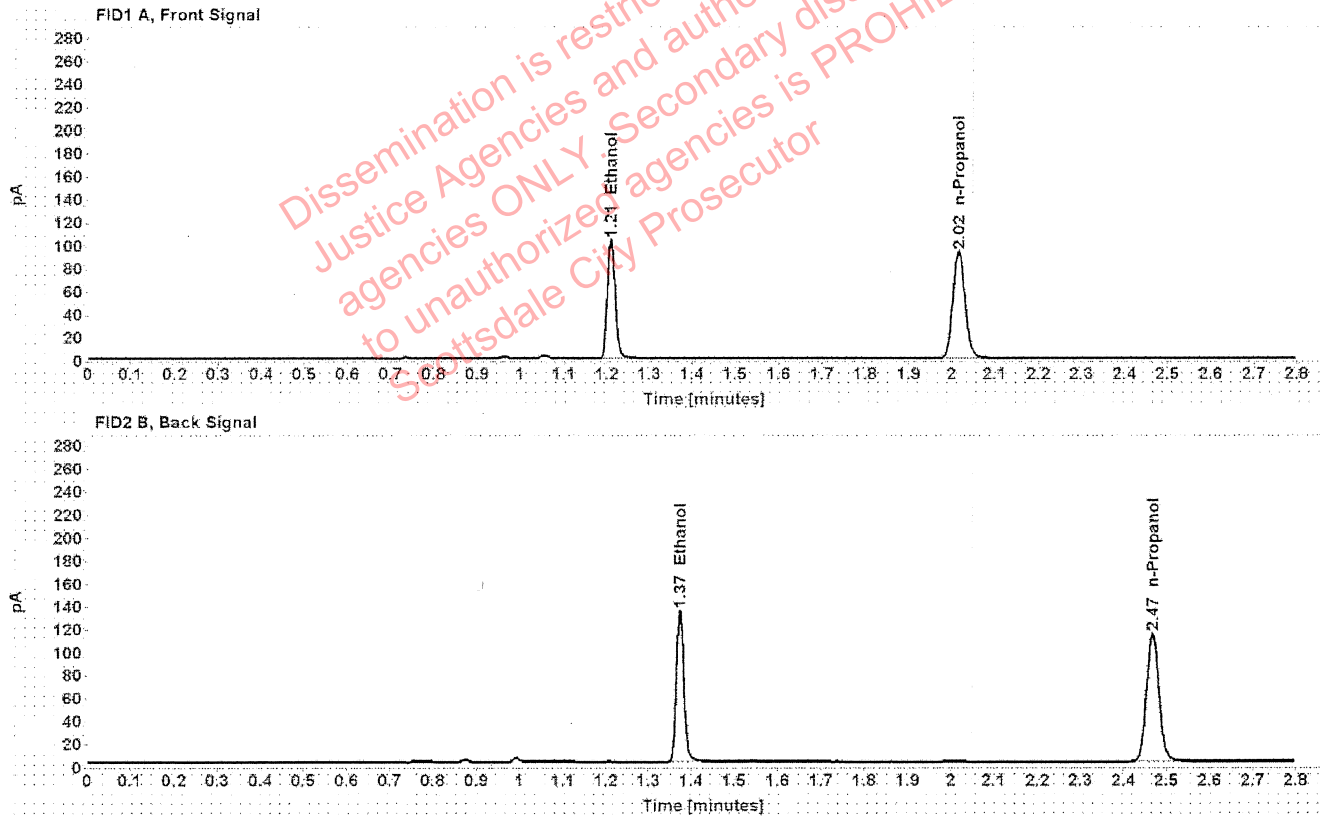


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2012	1.210	132.037
n-Propanol	-----	2.016	185.771

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

Compound	Time (min)	Peak Area
Ethanol	1.374	164.373
n-Propanol	2.467	227.288

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33101RH	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 1:58:54 PM
Data file:	C:\Chem32\1\Data\06Oct20\34.D	Analyst:	Abbott

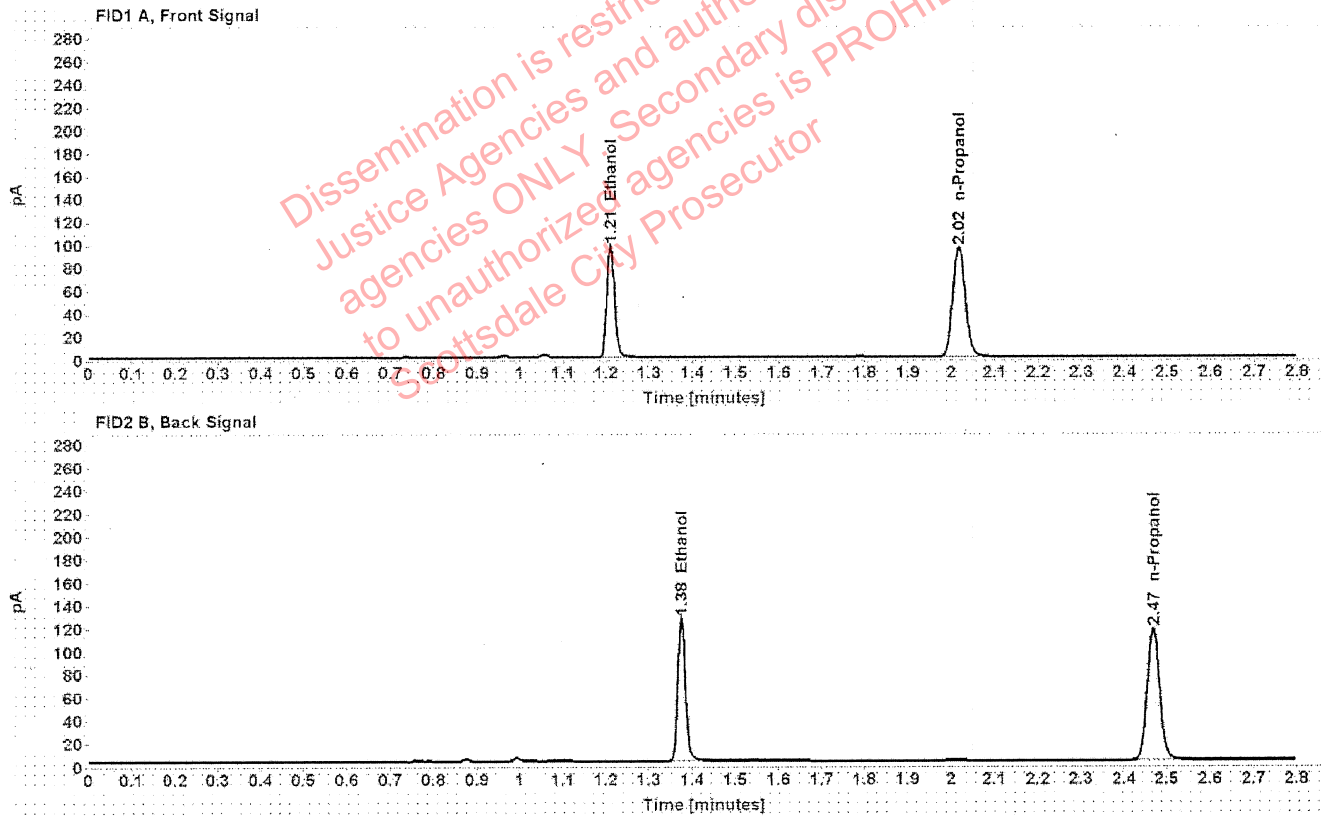


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1846	1.210	124.160
n-Propanol	-----	2.017	190.527

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

Compound	Time (min)	Peak Area
Ethanol	1.375	154.594
n-Propanol	2.468	233.366

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33101RH	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 2:02:54 PM
Data file:	C:\Chem32\1\Data\06Oct20\35.D	Analyst:	Abbott

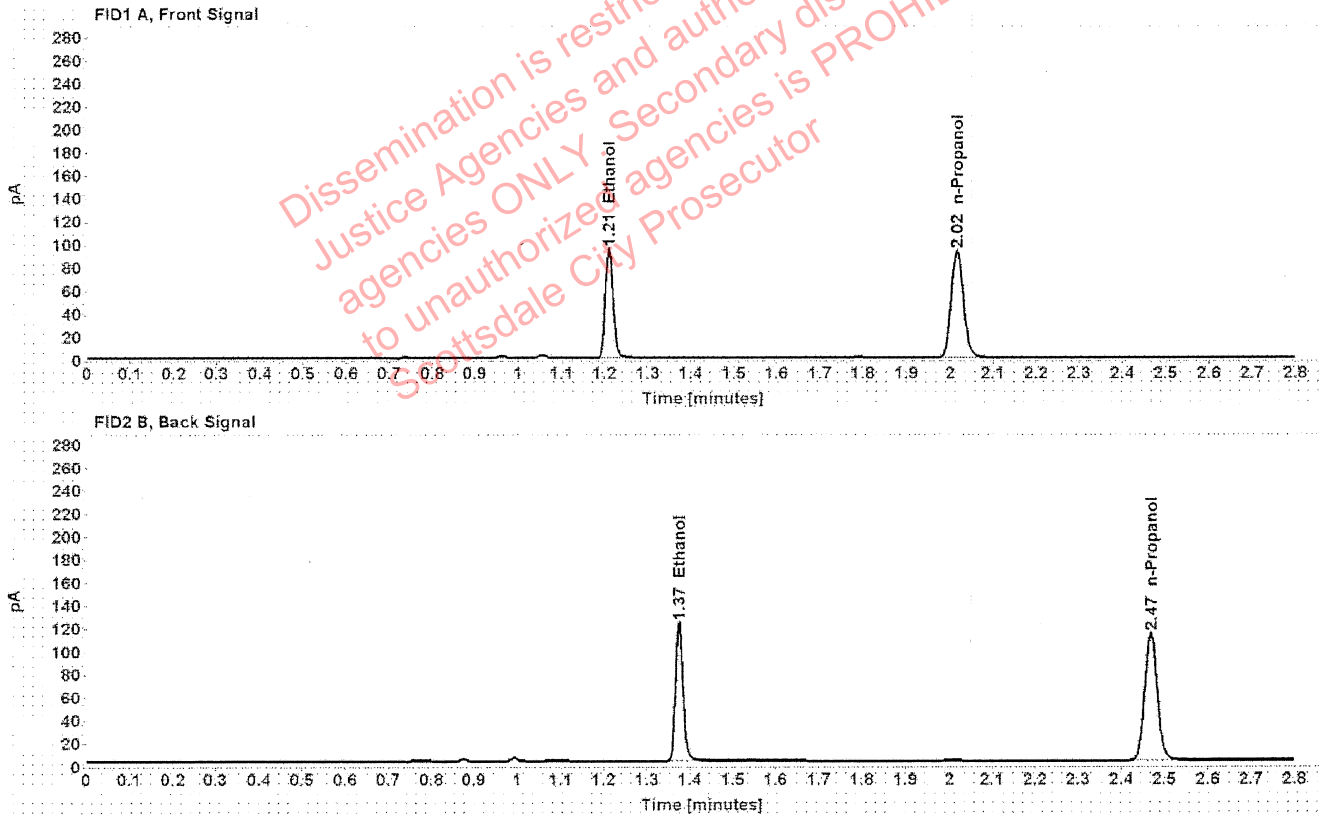


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1845	1.210	120.515
n-Propanol	-----	2.016	185.108

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

Compound	Time (min)	Peak Area
Ethanol	1.375	150.294
n-Propanol	2.468	226.942

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1339971	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 2:06:54 PM
Data file:	C:\Chem32\1\Data\06Oct20\36.D	Analyst:	Abbott

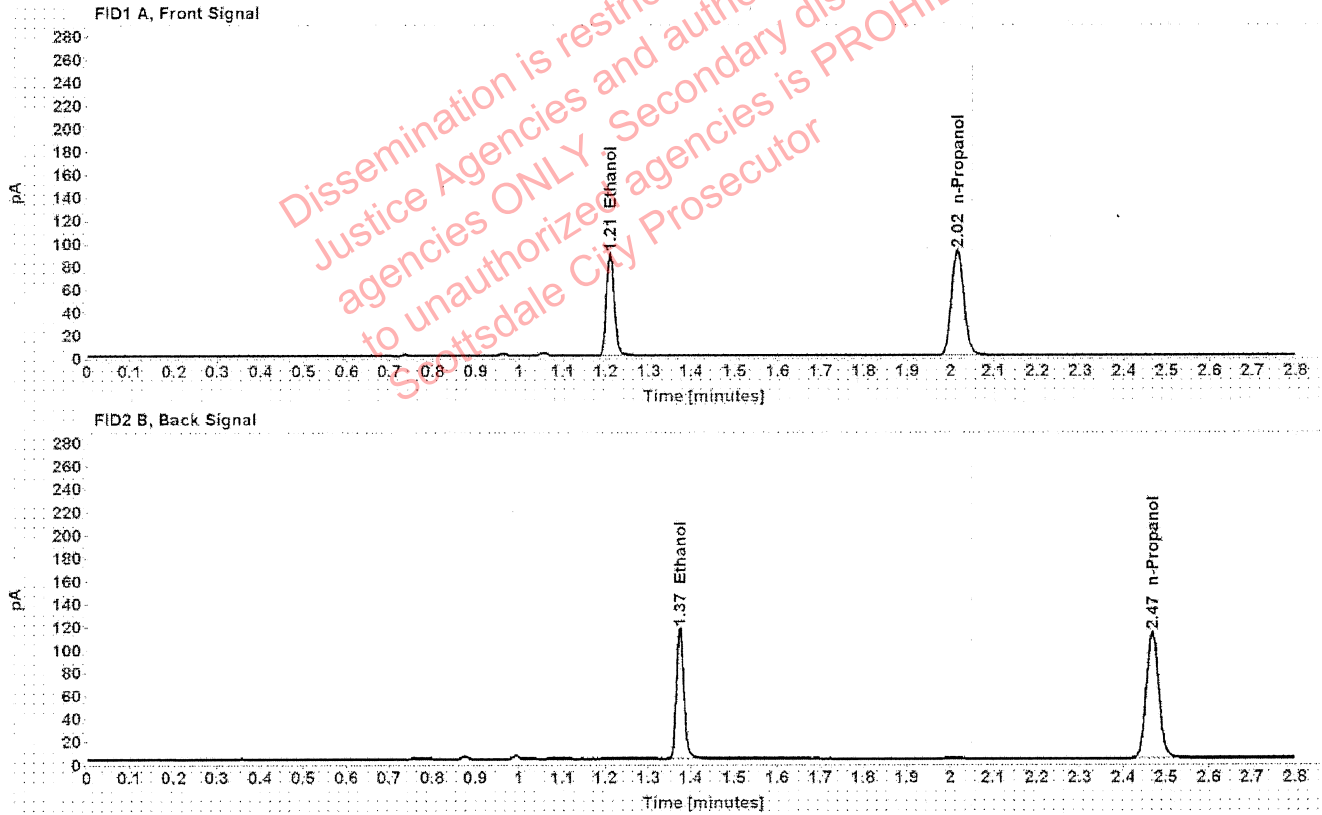


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1760	1.210	114.095
n-Propanol	-----	2.016	183.754

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

Compound	Time (min)	Peak Area
Ethanol	1.374	141.994
n-Propanol	2.468	224.414

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1339971	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 2:11:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\37.D	Analyst:	Abbott

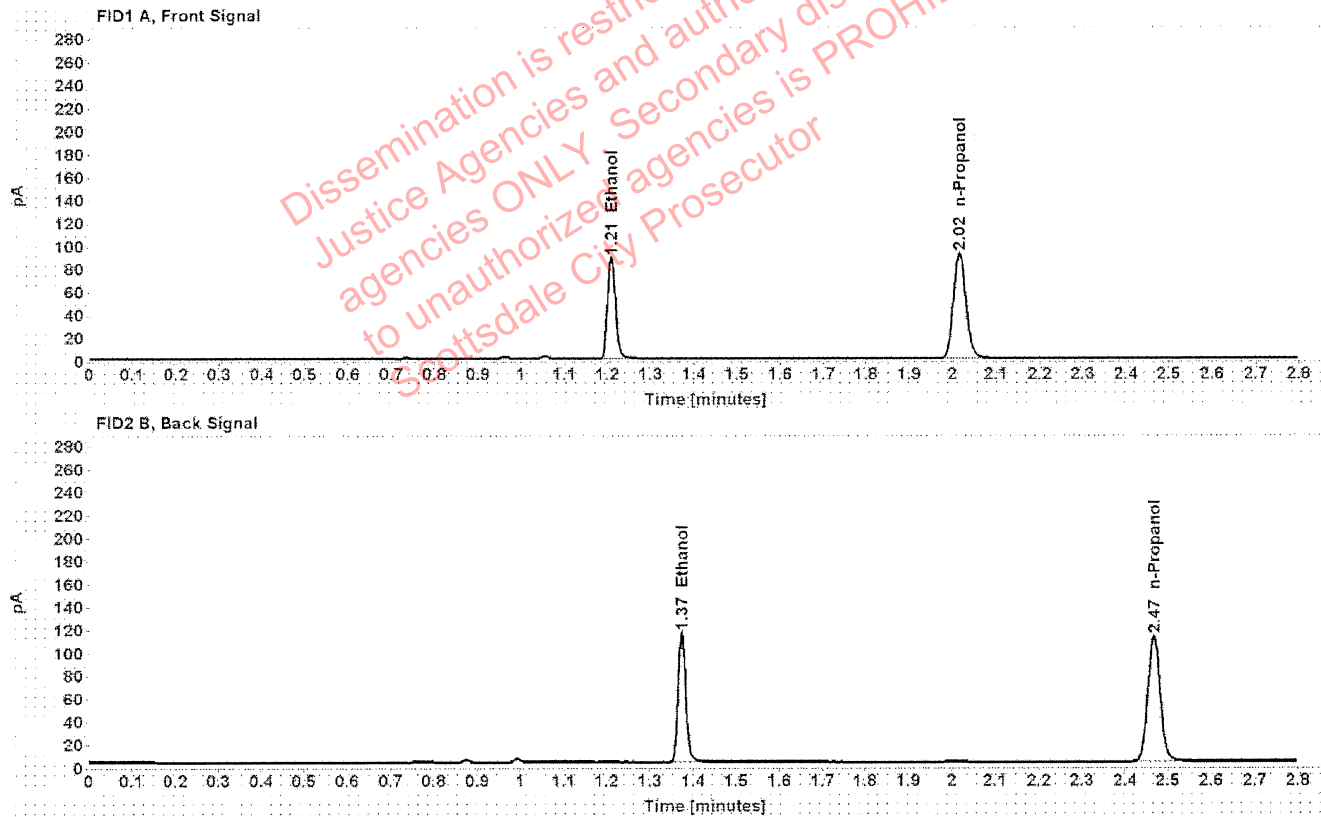


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1749	1.209	112.955
n-Propanol	-----	2.015	183.072

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

Compound	Time (min)	Peak Area
Ethanol	1.373	140.993
n-Propanol	2.467	223.592

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1339878	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 2:15:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\38.D	Analyst:	Abbott

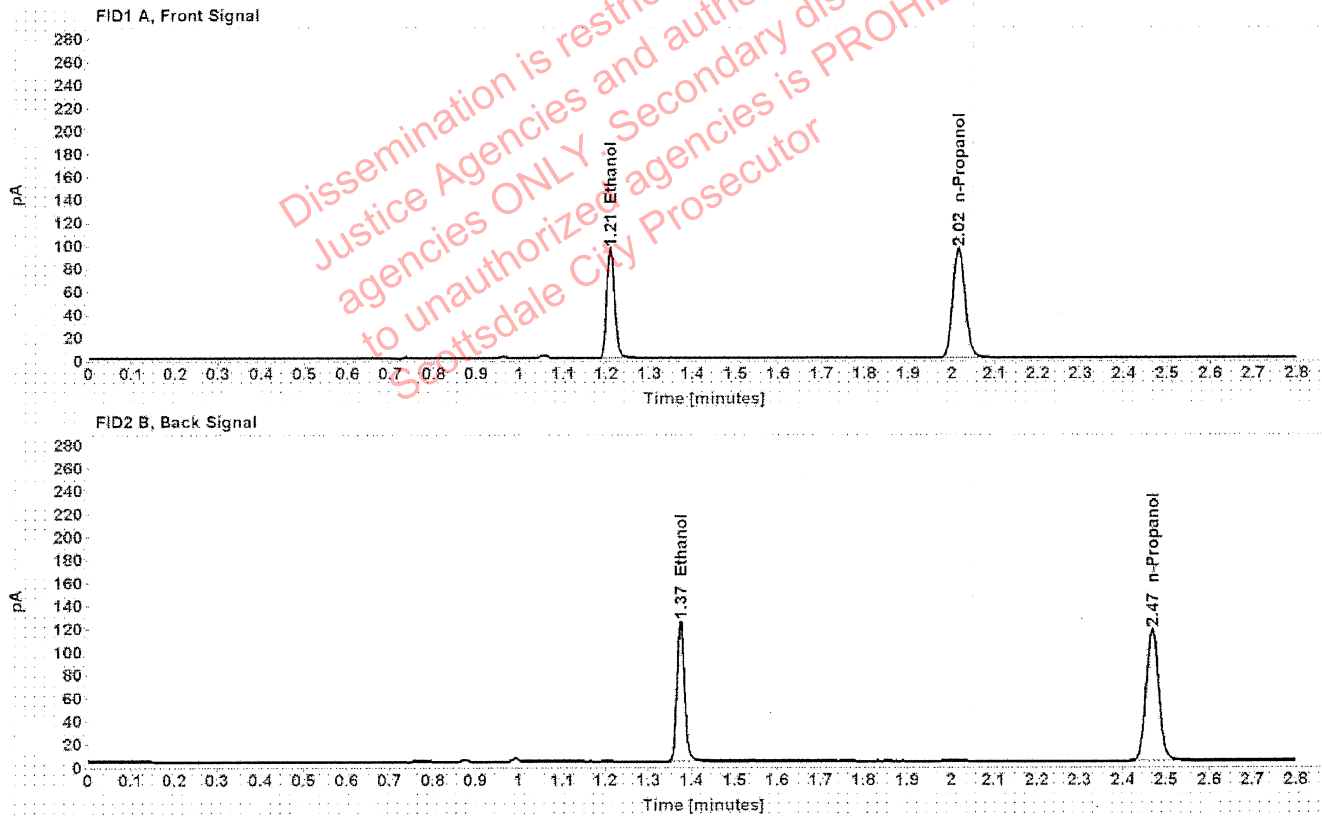


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1809	1.210	121.377
n-Propanol	-----	2.016	190.135

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

Compound	Time (min)	Peak Area
Ethanol	1.374	151.056
n-Propanol	2.467	232.990

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1339878	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 2:19:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\39.D	Analyst:	Abbott

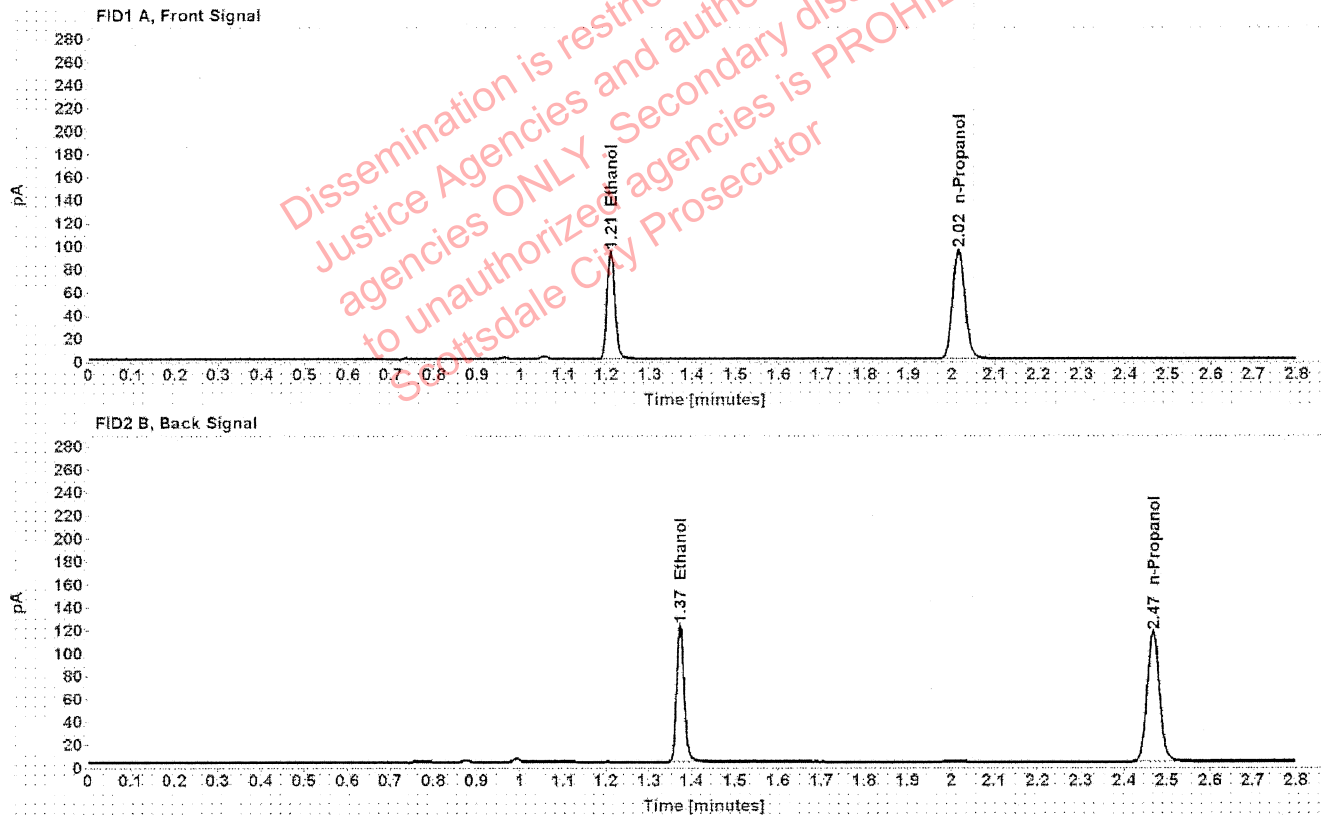


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1793	1.209	119.266
n-Propanol	-----	2.016	188.571

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

Compound	Time (min)	Peak Area
Ethanol	1.373	148.990
n-Propanol	2.467	231.146

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300535	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 2:23:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\40.D	Analyst:	Abbott

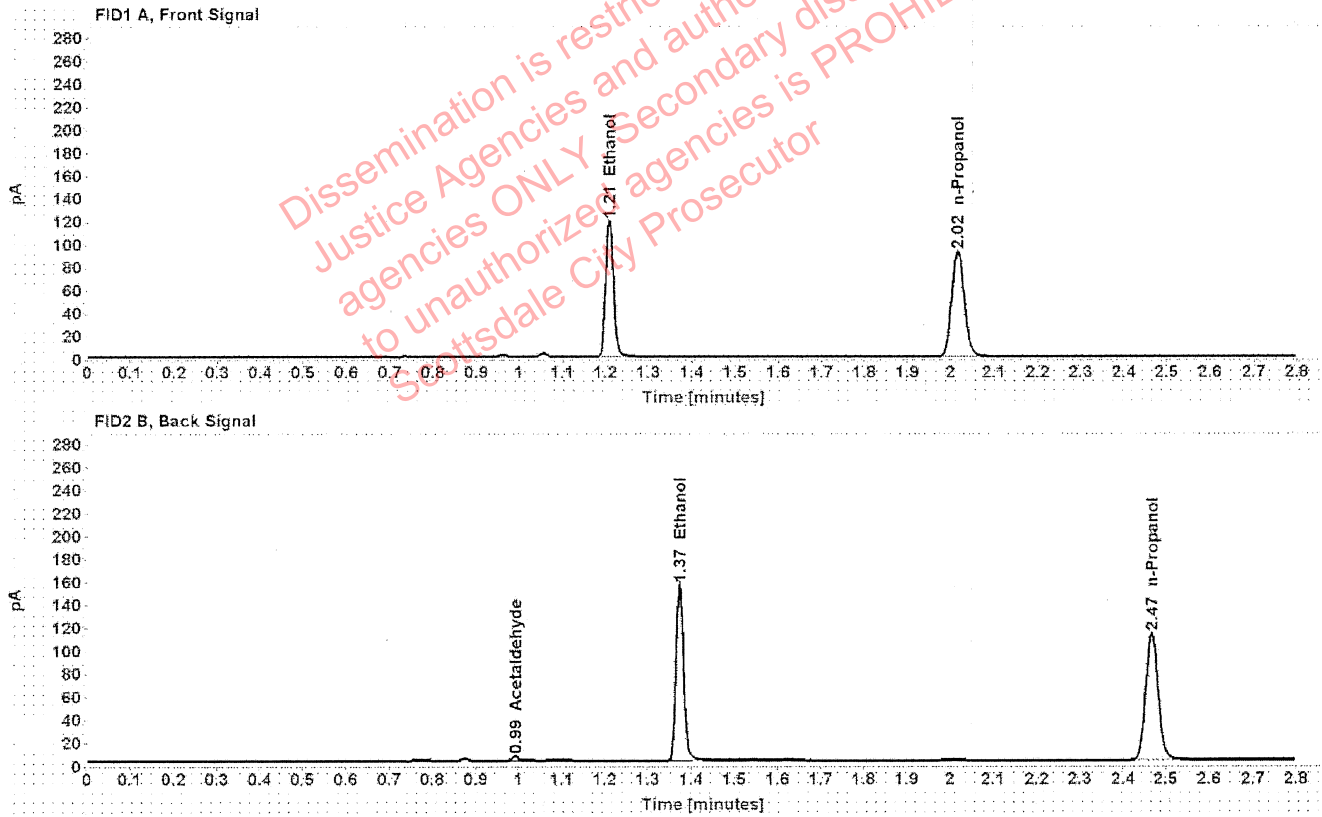


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2346	1.209	152.106
n-Propanol	-----	2.016	183.325

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	4.105
Ethanol	1.373	189.688
n-Propanol	2.467	225.416

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300535	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	06Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/6/2020 2:27:09 PM
Data file:	C:\Chem32\1\Data\06Oct20\41.D	Analyst:	Abbott

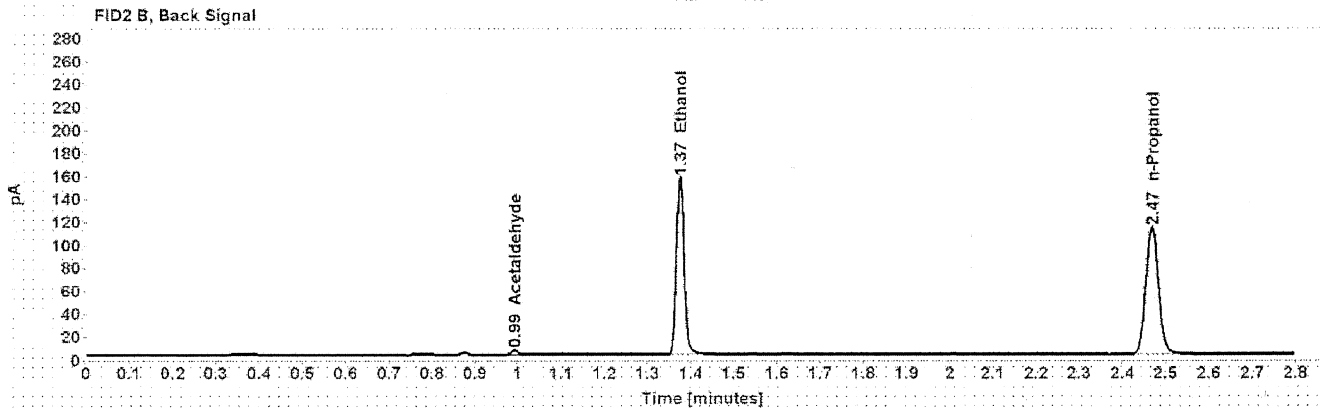
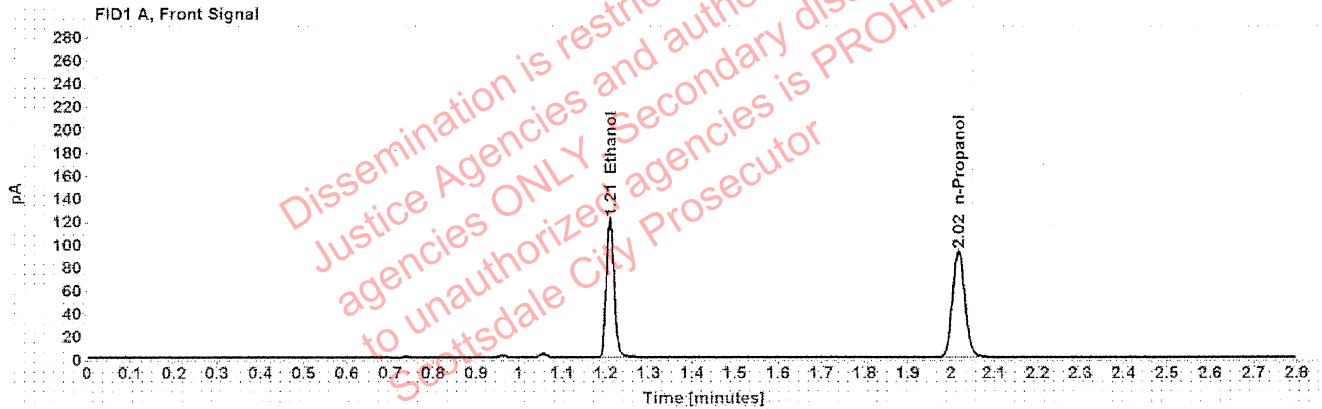


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2352	1.210	153.558
n-Propanol	-----	2.016	184.585

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.080
Ethanol	1.374	193.220
n-Propanol	2.468	226.714