

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 6/23/20 SEQUENCE NAME 23Jun20

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN02271802 0.99995
 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 040720AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 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	0.399 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.042 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.198 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 *Theresa Brooks* Run valid *Erika Canonico*
 Run invalid Analyst Run invalid Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

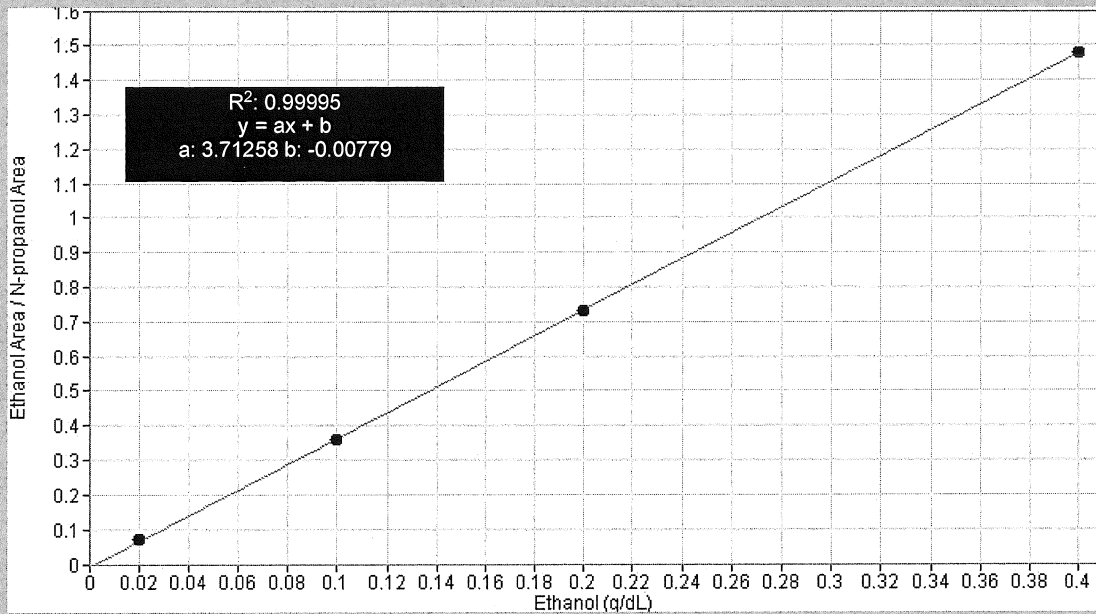
SEQUENCE NAME: 23Jun20

ANALYST: Brooke ^{FB}

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 040720AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.399	0.400	0.25	-0.001
0.040 14082019-B	8	0.041	0.040	2.50	0.001
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	0.399	0.400	0.25	-0.001
0.040 14082019-B	43	0.042	0.040	5.00	0.002
0.198 407041529/13	44	0.198	0.198	0.00	0.000
blank 040919VVB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.823	166.772	0.071
0.100	60.123	166.389	0.361
0.200	121.846	167.025	0.730
0.400	248.428	167.838	1.480

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1	
Description: 0.020 calibrator	Sequence: 23Jun20	
Method: ethanol quant.M	Injection date: 6/23/2020 10:48:40 AM	
Instrument: US14173023 CN14160045	Analyst: Brooke PB	
Data file: C:\Chem32\1\Data\23Jun20\1.D		

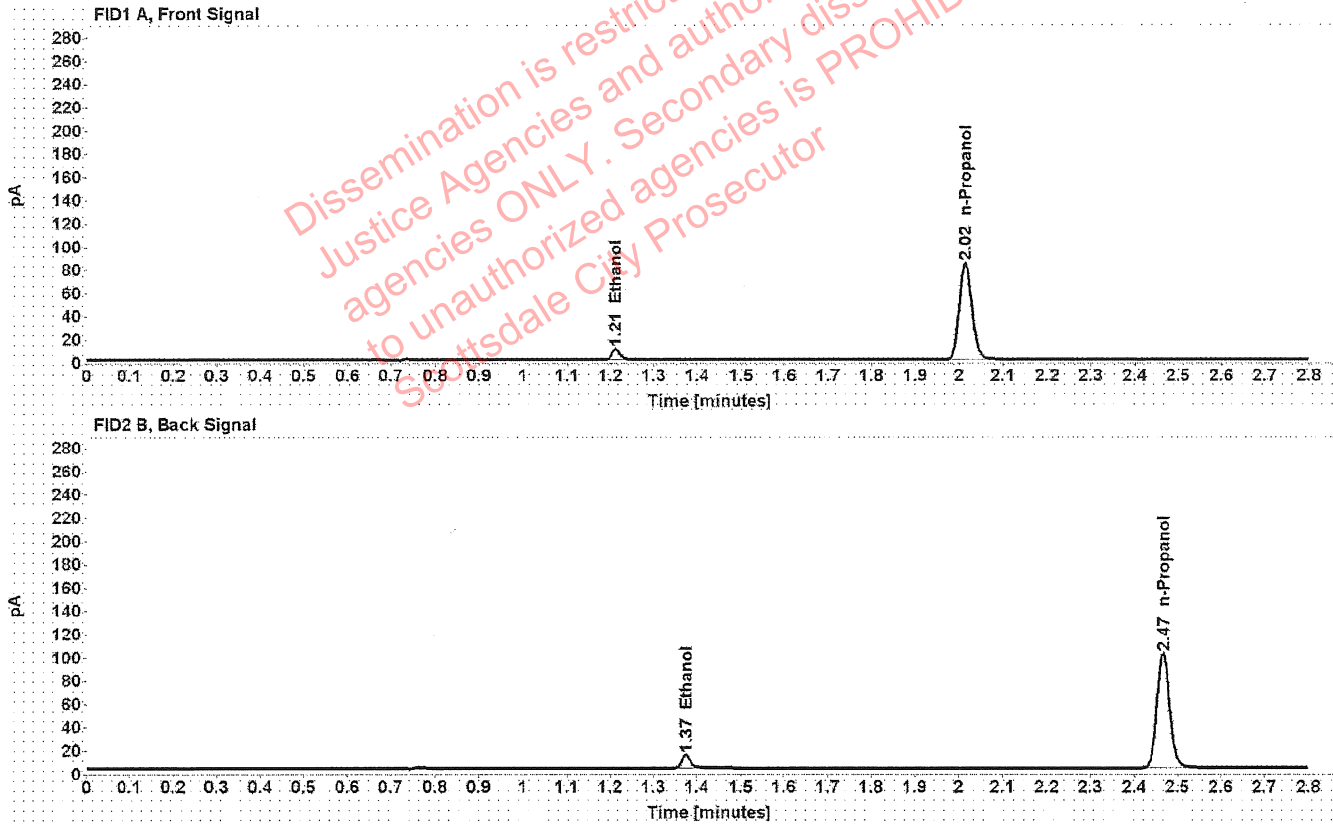


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.823
n-Propanol	2.015	166.772

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.694
n-Propanol	2.466	201.944

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 23Jun20
Method: ethanol quant.M	Injection date: 6/23/2020 10:52:41 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>PB</i>
Data file: C:\Chem32\1\Data\23Jun20\2.D	

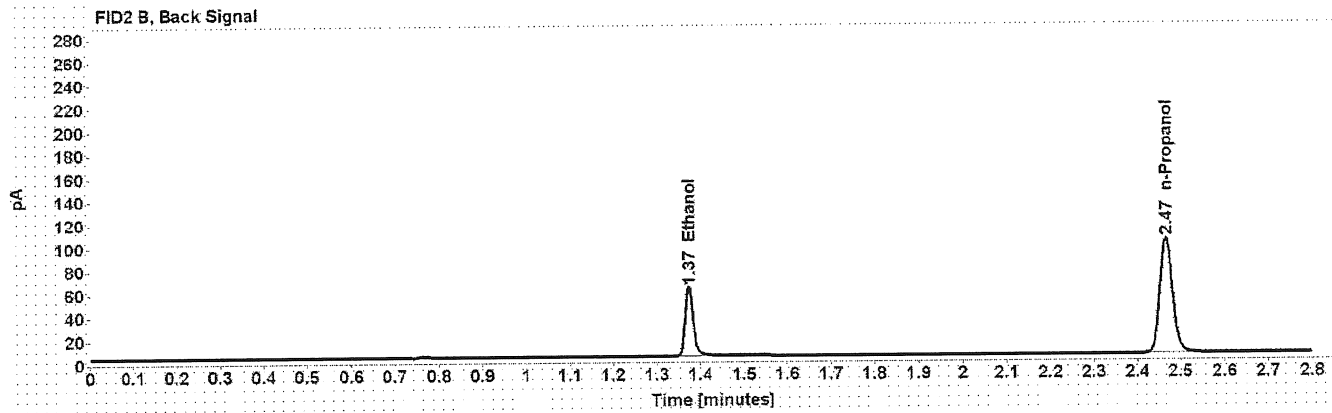
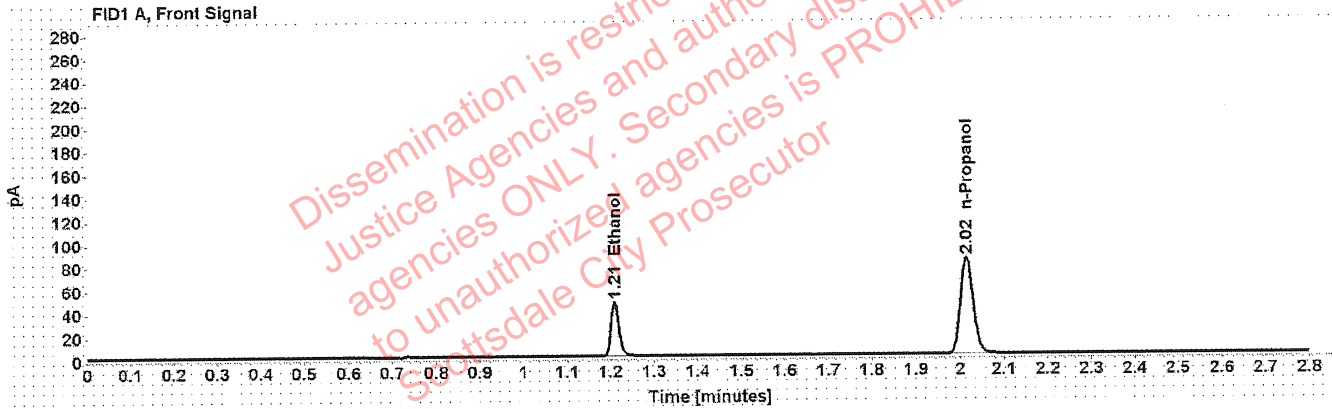


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.123
n-Propanol	2.015	166.389

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

Compound	Time (min)	Peak Area
Ethanol	1.374	74.834
n-Propanol	2.467	202.224

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 23Jun20
Method: ethanol quant.M	Injection date: 6/23/2020 10:56:40 AM
Instrument: US14173023 CN14160045	Analyst: Brooke ^{RB}
Data file: C:\Chem32\1\Data\23Jun20\3.D	

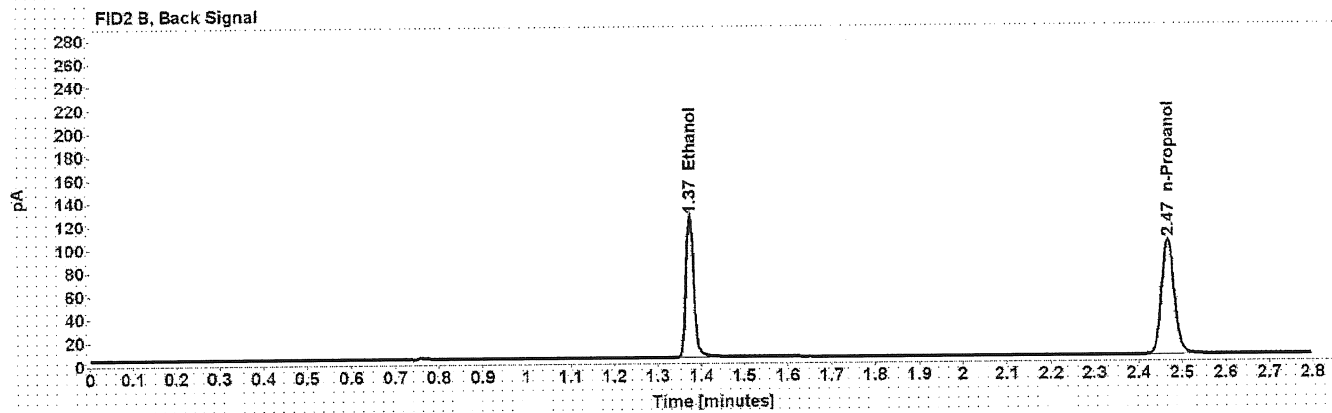
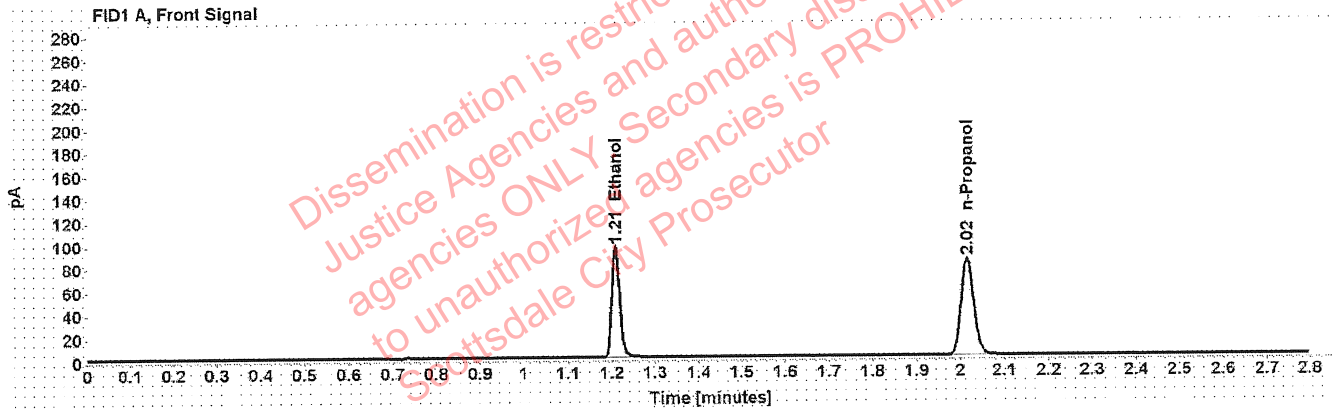


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	121.846
n-Propanol	2.015	167.025

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

Compound	Time (min)	Peak Area
Ethanol	1.373	152.614
n-Propanol	2.467	202.752

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 23Jun20
Method: ethanol quant.M	Injection date: 6/23/2020 11:00:41 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>YBB</i>
Data file: C:\Chem32\1\Data\23Jun20\4.D	

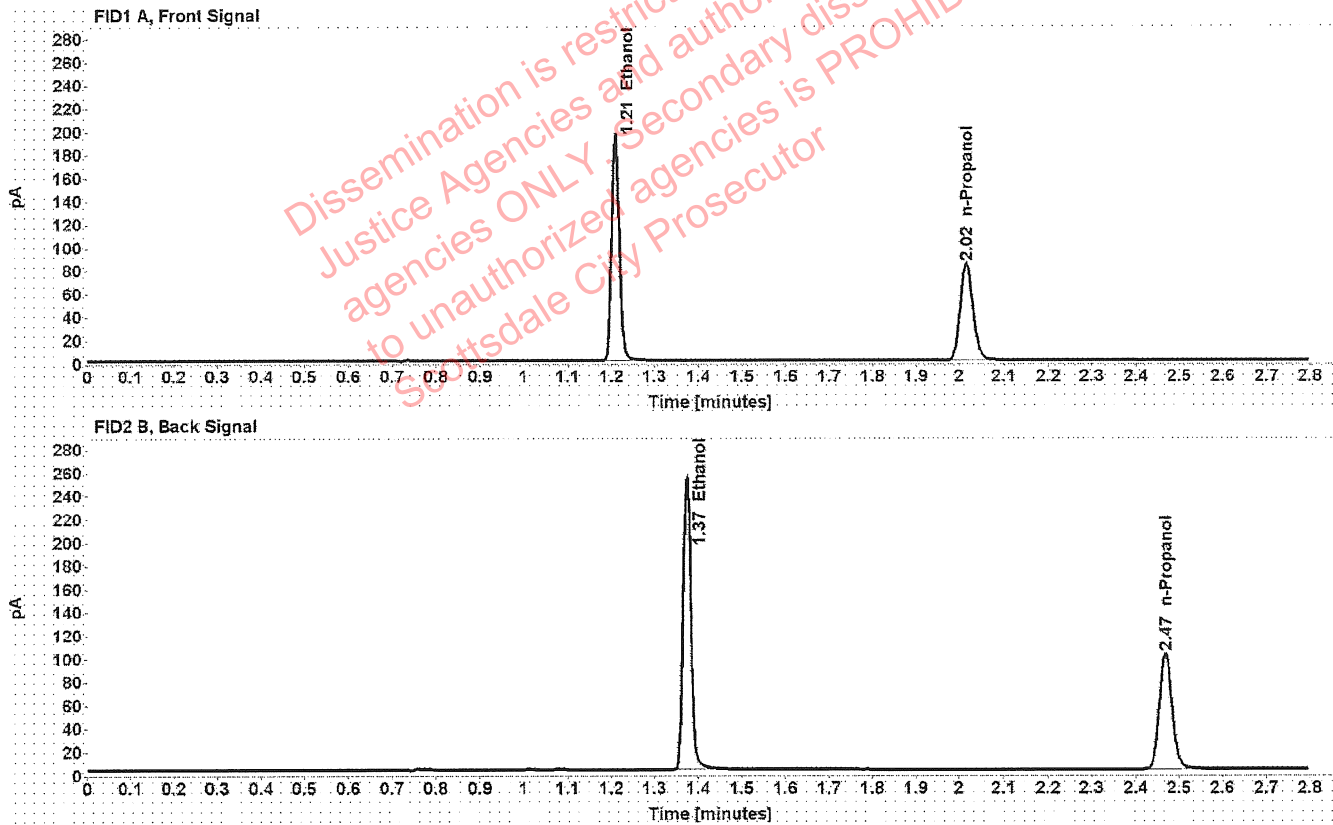


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	248.428
n-Propanol	2.016	167.838

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

Compound	Time (min)	Peak Area
Ethanol	1.374	311.510
n-Propanol	2.468	203.987

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040720AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 11:04:41 AM
Data file: C:\Chem32\1\Data\23Jun20\5.D	Analyst: Brooke YB

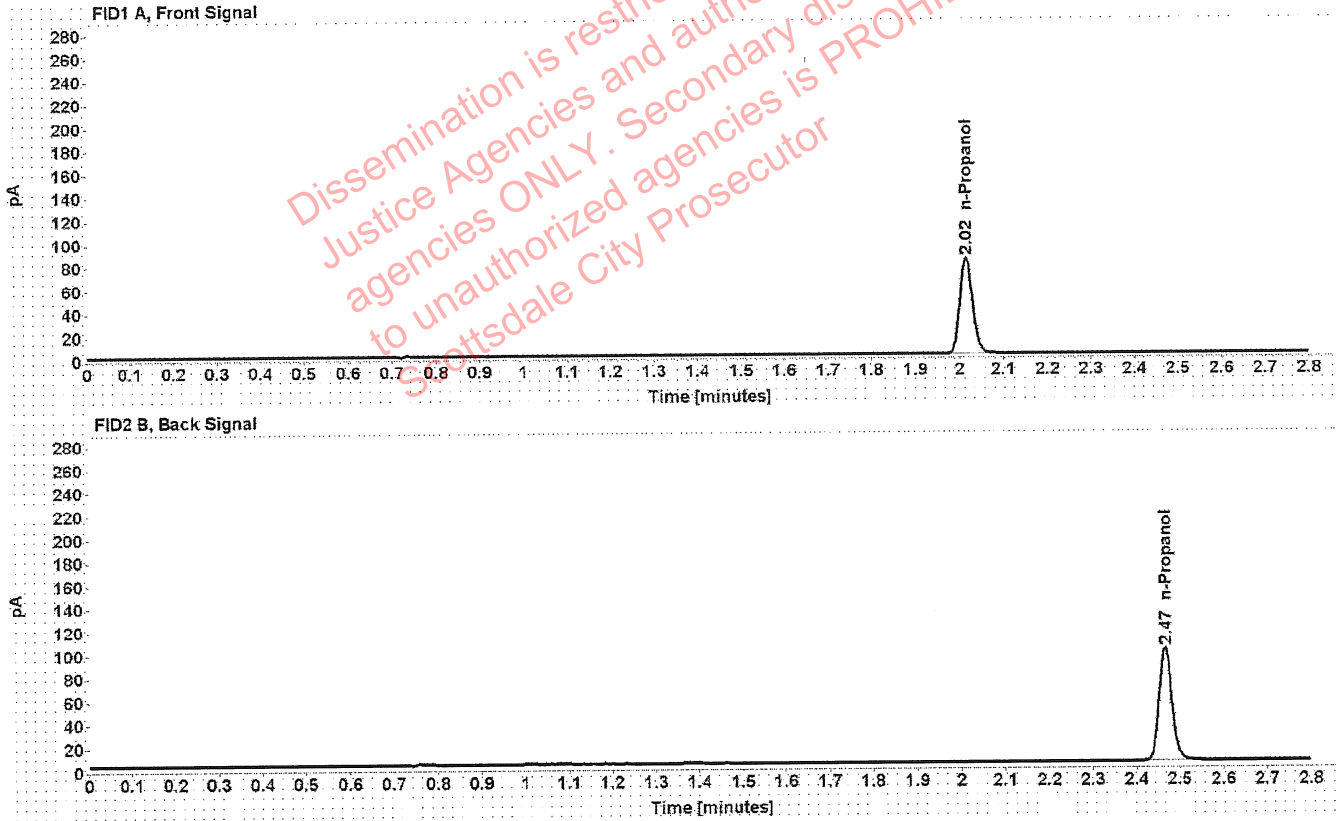


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	164.670

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	199.604

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 11:08:40 AM
Data file: C:\Chem32\1\Data\23Jun20\6.D	Analyst: Brooke RB

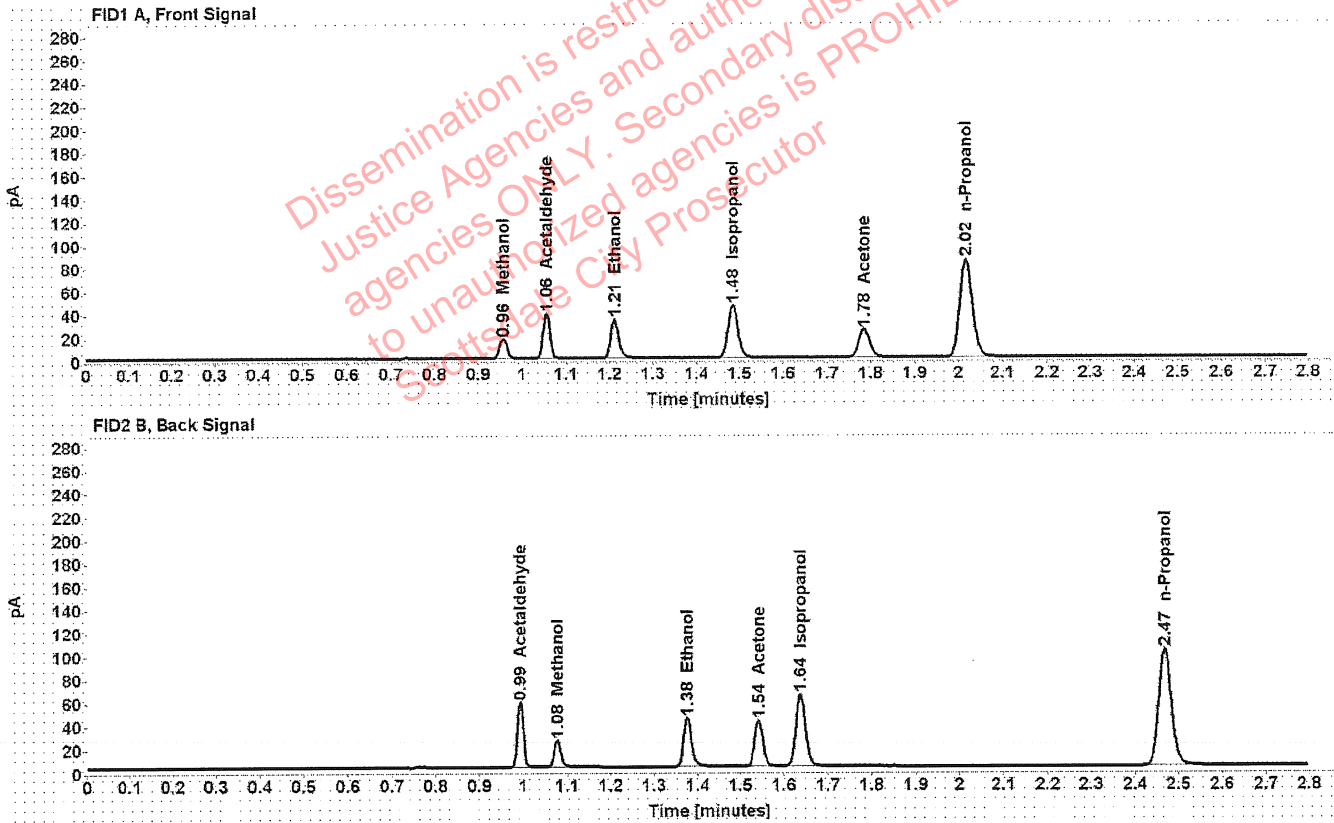


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	19.056
Acetaldehyde	-----	1.055	41.999
>Ethanol	0.0705	1.211	42.900
Isopropanol	-----	1.484	73.278
Acetone	-----	1.785	41.973
n-Propanol	-----	2.016	168.943

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	54.776
Methanol	1.077	24.619
Ethanol	1.376	53.204
Acetone	1.542	52.245
Isopropanol	1.637	93.983
n-Propanol	2.469	205.107

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 11:12:56 AM
Data file: C:\Chem32\1\Data\23Jun20\7.D	Analyst: Brooke TB

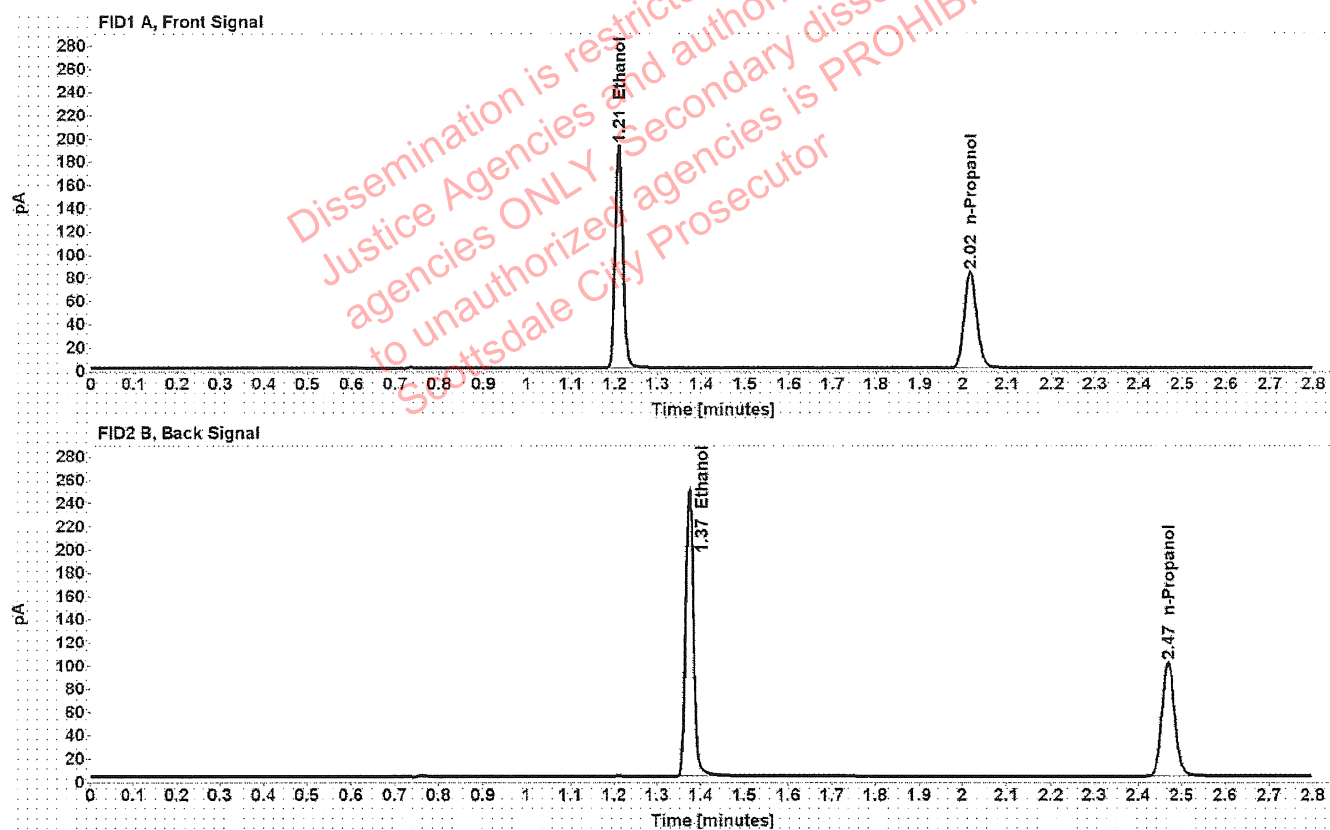


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3994	1.209	244.747
n-Propanol	-----	2.016	165.920

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

Compound	Time (min)	Peak Area
Ethanol	1.374	306.220
n-Propanol	2.468	201.562

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 11:16:56 AM
Data file: C:\Chem32\1\Data\23Jun20\8.D	Analyst: Brooke 108

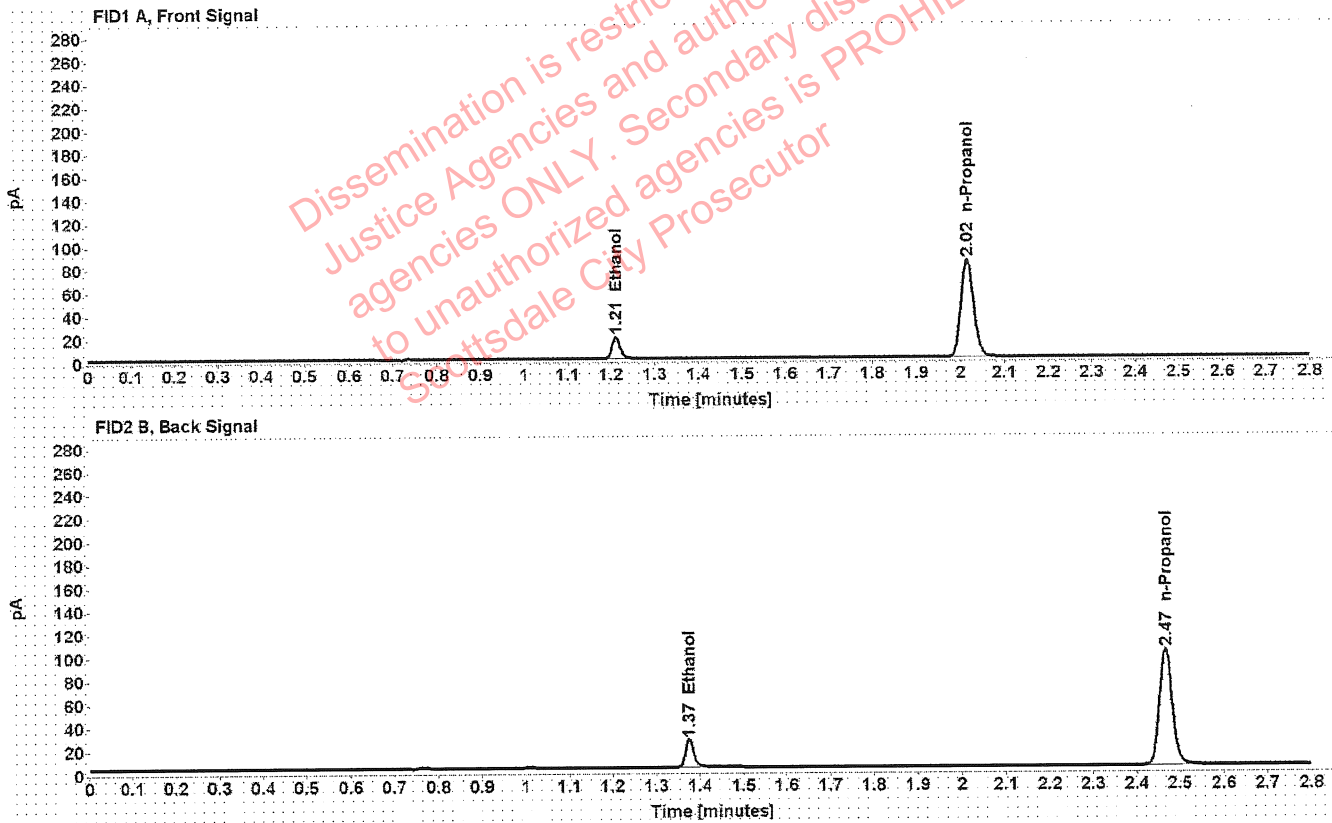


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0411	1.211	24.360
n-Propanol	-----	2.015	168.418

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

Compound	Time (min)	Peak Area
Ethanol	1.375	30.145
n-Propanol	2.467	204.111

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 11:20:55 AM
Data file: C:\Chem321\1\Data\23Jun20\9.D	Analyst: Brooke <i>RB</i>

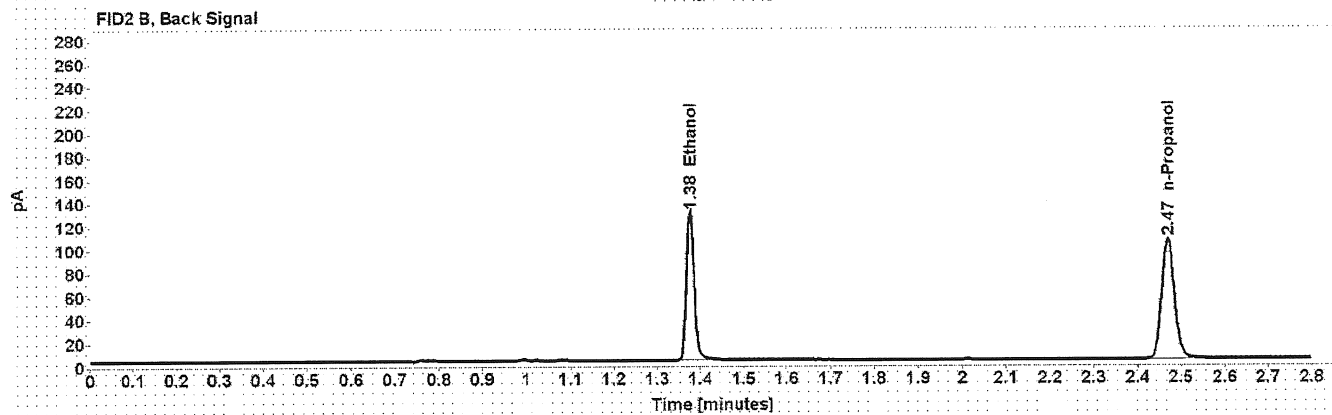
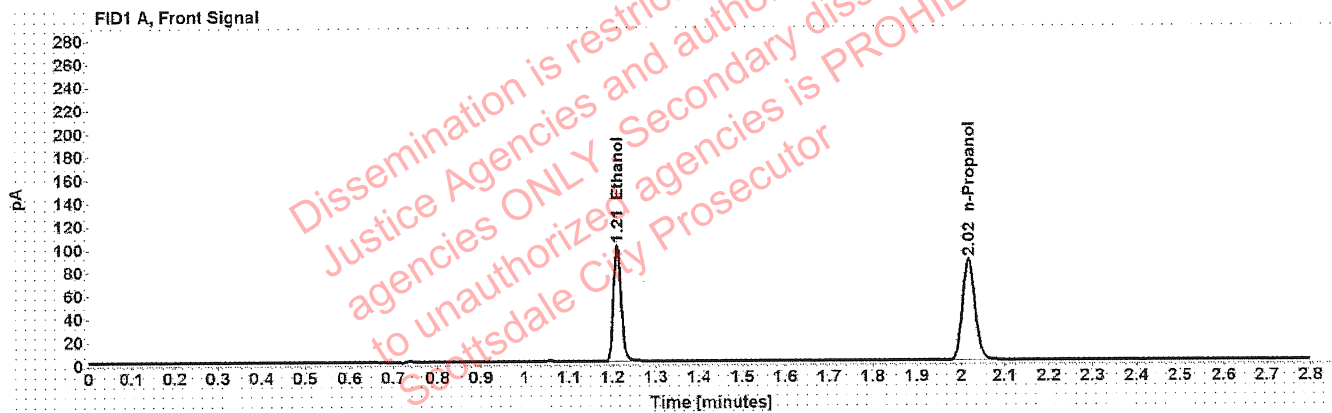


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2002	1.211	128.529
n-Propanol	-----	2.017	174.766

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

Compound	Time (min)	Peak Area
Ethanol	1.376	160.496
n-Propanol	2.470	211.960

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 12:05:25 PM
Data file: C:\Chem32\1\Data\23Jun20\20.D	Analyst: Brooke <i>YB</i>

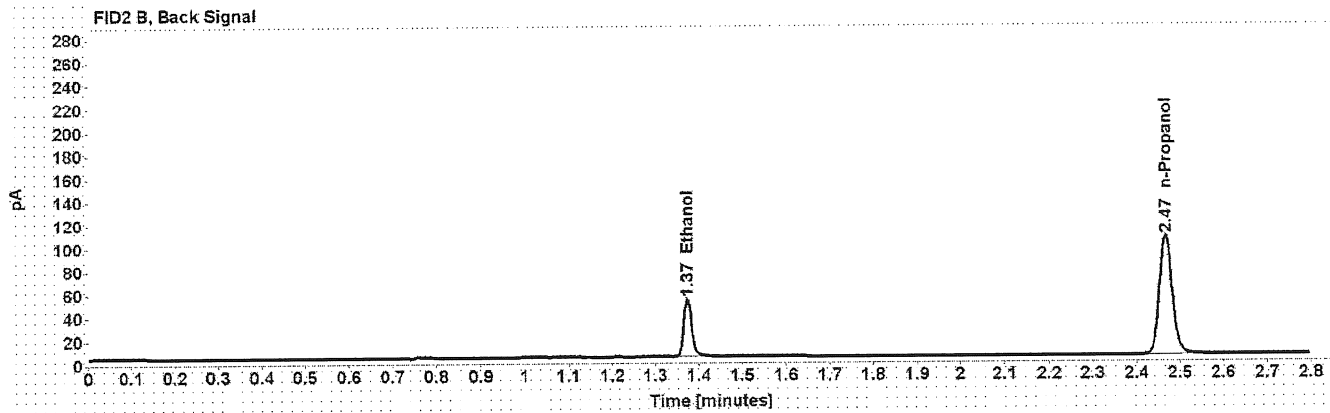
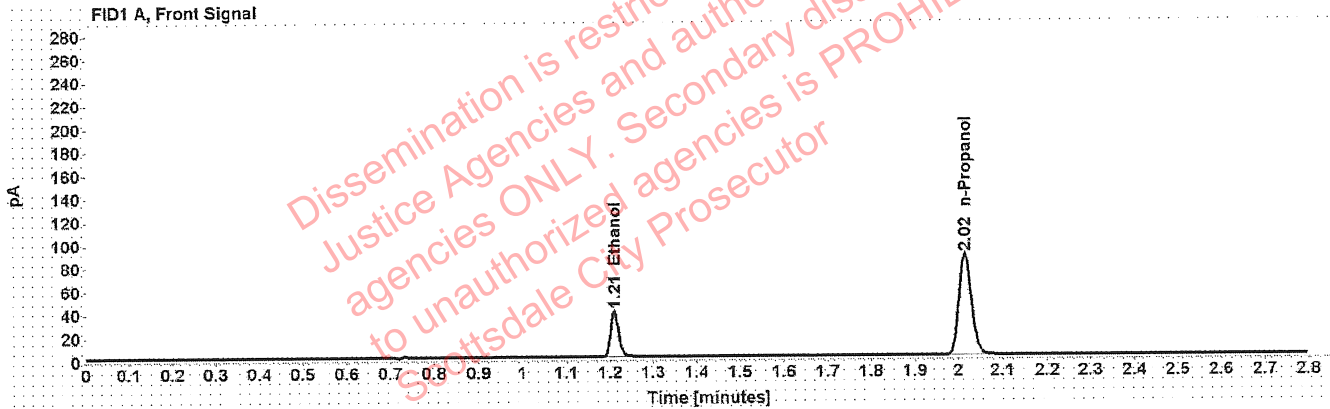


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.210	50.872
n-Propanol	-----	2.015	173.956

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.084
n-Propanol	2.467	210.437

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 12:49:56 PM
Data file: C:\Chem32\1\Data\23Jun20\31.D	Analyst: Brooke PS

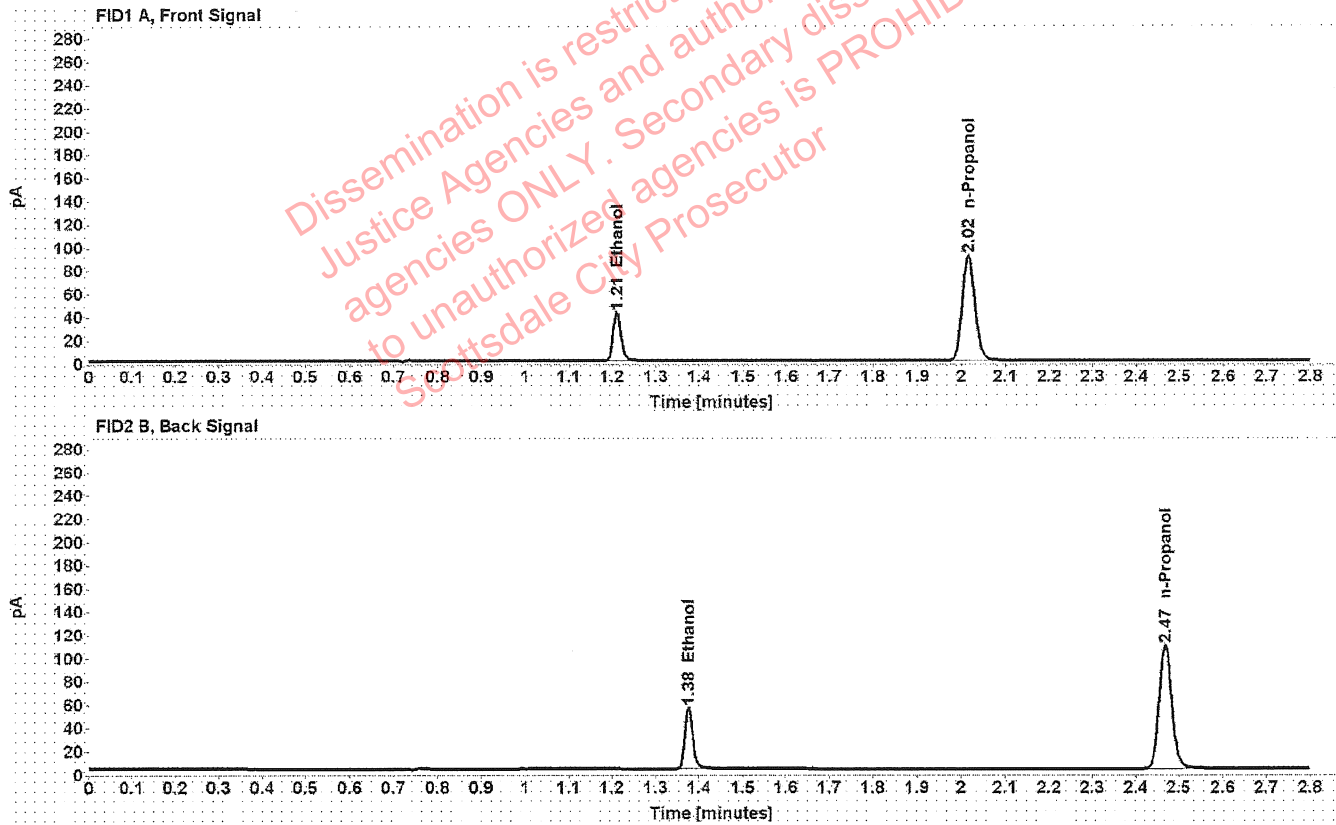


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0824	1.211	53.842
n-Propanol	-----	2.016	180.608

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

Compound	Time (min)	Peak Area
Ethanol	1.376	66.572
n-Propanol	2.469	218.681

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 1:34:11 PM
Data file: C:\Chem32\1\Data\23Jun20\42.D	Analyst: Brooke ^{FB}

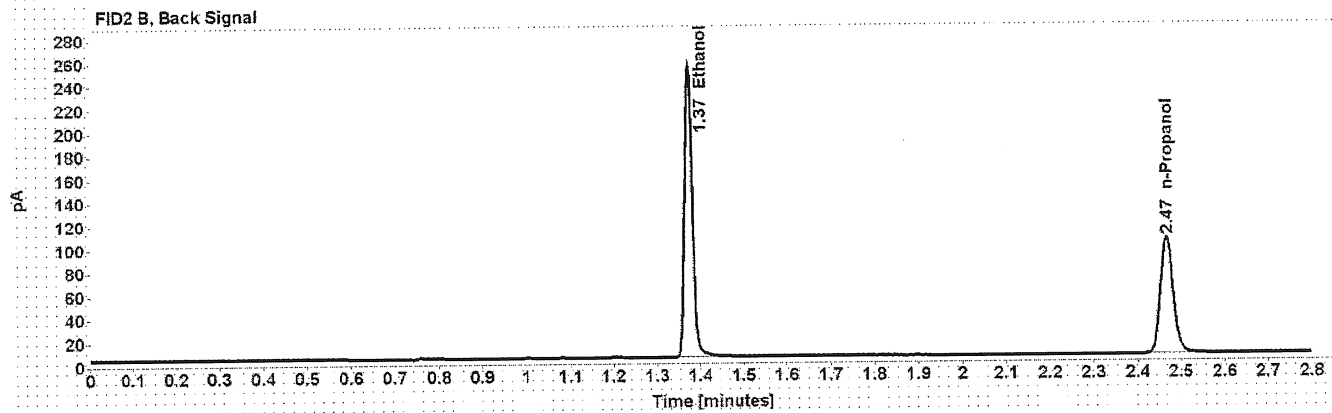
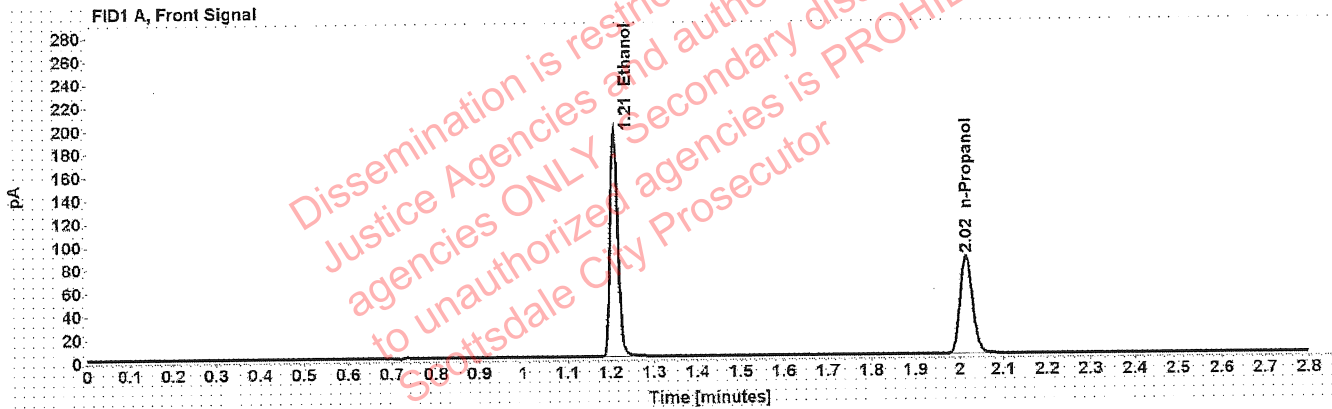


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3991	1.208	249.421
n-Propanol	-----	2.015	169.227

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

Compound	Time (min)	Peak Area
Ethanol	1.373	311.569
n-Propanol	2.467	205.343

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:38:26 PM
Data file:	C:\Chem32\1\Data\23Jun20\43.D	Analyst:	Brooke <i>DB</i>

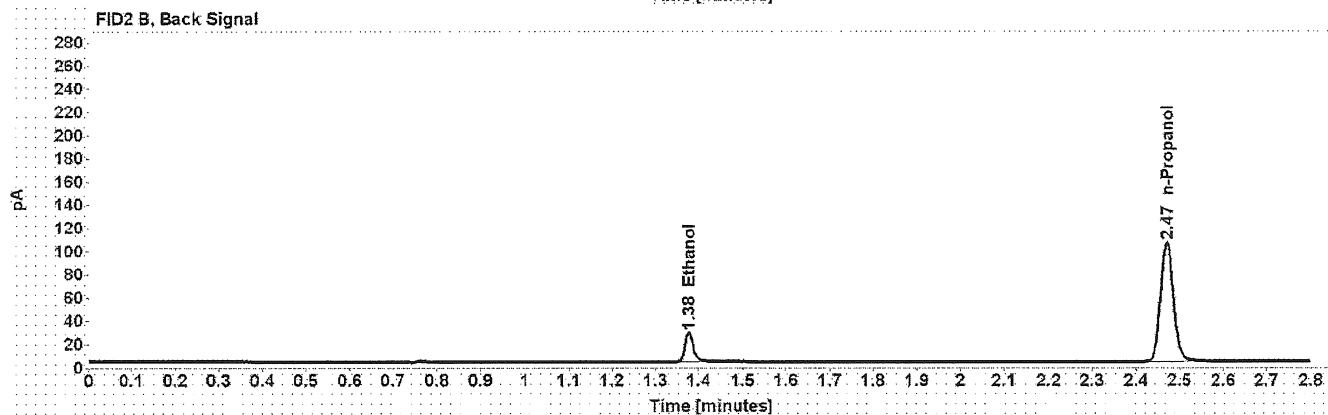
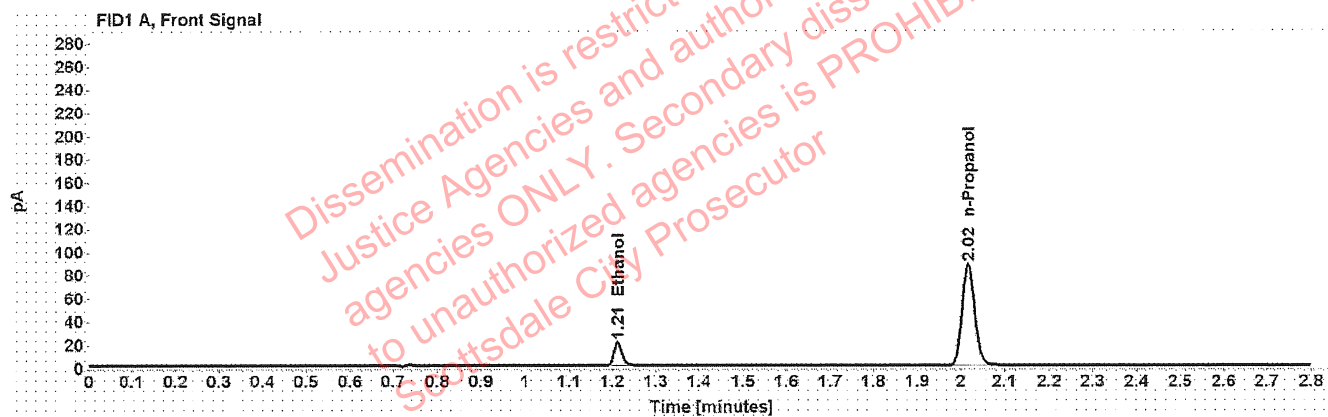


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0423	1.213	26.078
n-Propanol	-----	2.017	174.616

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

Compound	Time (min)	Peak Area
Ethanol	1.378	32.198
n-Propanol	2.470	211.194

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 1:42:26 PM
Data file: C:\Chem32\1\Data\23Jun20\44.D	Analyst: Brooke <i>RB</i>

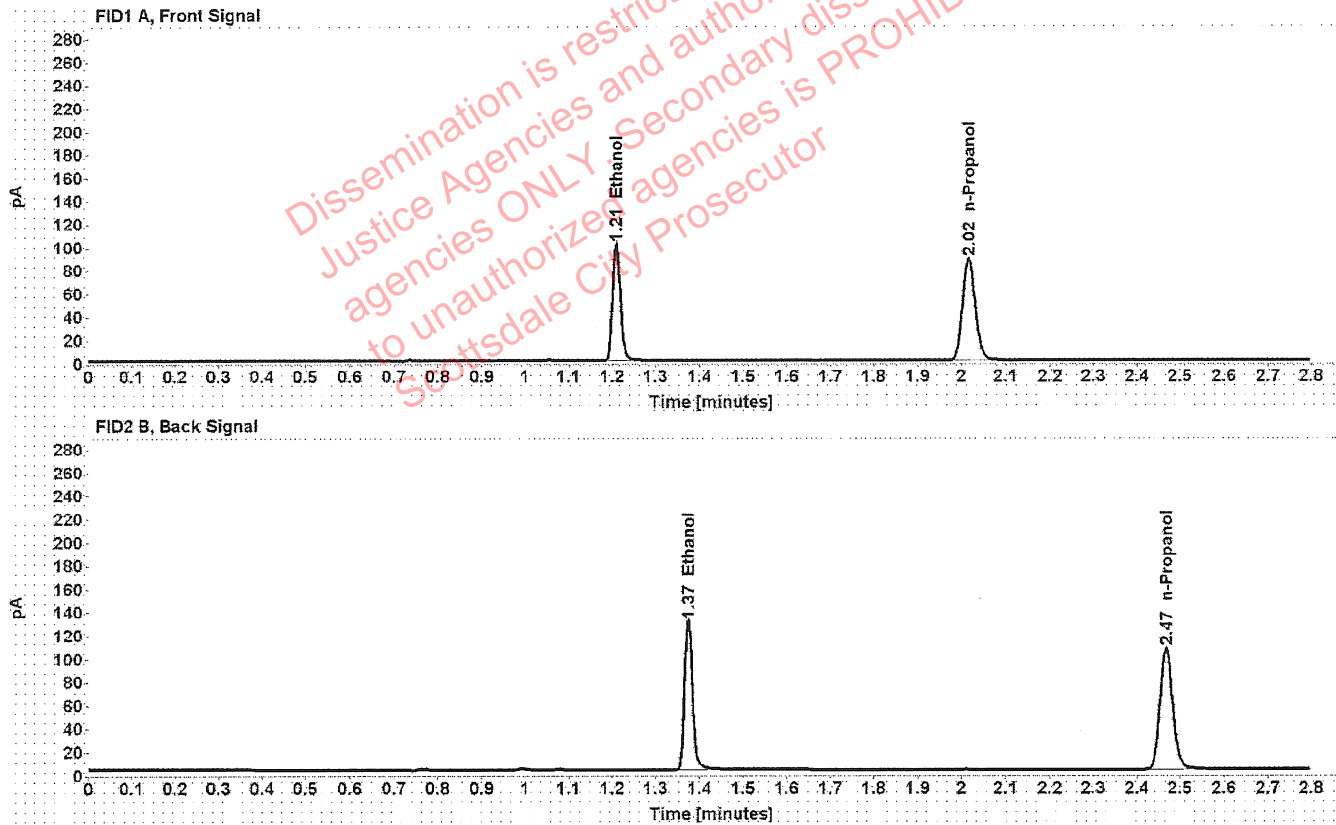


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1987	1.210	128.890
n-Propanol	-----	2.016	176.571

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.717
n-Propanol	2.468	214.049

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 23Jun20
Instrument: US14173023 CN14160045	Injection date: 6/23/2020 1:46:27 PM
Data file: C:\Chem321\1\Data\23Jun20\45.D	Analyst: Brooke <i>BS</i>

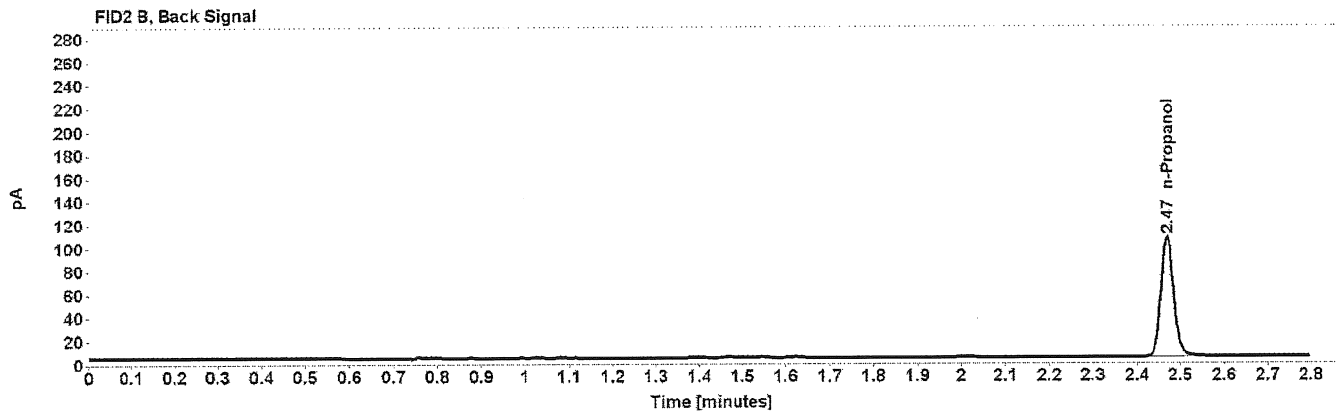
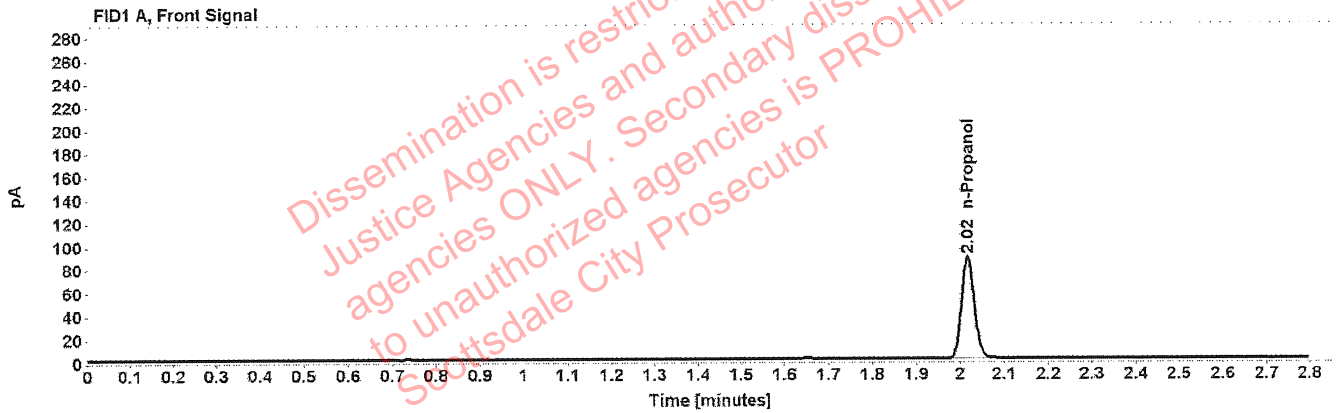


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	174.977

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	212.050

Sequence Summary



Sequence name: 23Jun20 Instrument: US14173023 CN14160045 Analyst: Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	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	040720AQ	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	1322918		Sample		ethanol quant.M
11	1322918		Sample		ethanol quant.M
12	1325253		Sample		ethanol quant.M
13	1325253		Sample		ethanol quant.M
14	1322093		Sample		ethanol quant.M
15	1322093		Sample		ethanol quant.M
16	1325455		Sample		ethanol quant.M
17	1325455		Sample		ethanol quant.M
18	1325752		Sample		ethanol quant.M
19	1325752		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1325741		Sample		ethanol quant.M
22	1325741		Sample		ethanol quant.M
23	37401PH		Sample		ethanol quant.M
24	37401PH		Sample		ethanol quant.M
25	34001CS		Sample		ethanol quant.M
26	34001CS		Sample		ethanol quant.M
27	3661TN		Sample		ethanol quant.M
28	3661TN		Sample		ethanol quant.M
29	1323008		Sample		ethanol quant.M
30	1323008		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1315813		Sample		ethanol quant.M
33	1315813		Sample		ethanol quant.M
34	1323106		Sample		ethanol quant.M
35	1323106		Sample		ethanol quant.M
36	1325873		Sample		ethanol quant.M
37	1325873		Sample		ethanol quant.M
38	1325457		Sample		ethanol quant.M
39	1325457		Sample		ethanol quant.M
40	1326360		Sample		ethanol quant.M
41	1326360		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: 23Jun20

ANALYST: Brooke ¹⁸

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1287	0.1292	0.12895	0.19	0.00025
12 13	0.1129	0.1125	0.11270	0.18	0.00020
14 15	0.1638	0.1651	0.16445	0.40	0.00065
16 17	0.1380	0.1368	0.13740	0.44	0.00060
18 19	0.2367	0.2336	0.23515	0.66	0.00155
21 22	0.1042	0.1040	0.10410	0.10	0.00010
23 24	0.0846	0.0843	0.08445	0.18	0.00015
25 26	0.2468	0.2472	0.24700	0.08	0.00020
27 28	0.2259	0.2258	0.22585	0.02	0.00005
29 30	0.1952	0.1970	0.19610	0.46	0.00090
32 33	0.1657	0.1654	0.16555	0.09	0.00015
34 35	0.1780	0.1762	0.17710	0.51	0.00090
36 37	0.2631	0.2619	0.26250	0.23	0.00060
38 39	0.1065	0.1058	0.10615	0.33	0.00035
40 41	0.1639	0.1640	0.16395	0.03	0.00005

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322918	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:24:56 AM
Data file:	C:\Chem32\1\Data\23Jun20\10.D	Analyst:	Brooke

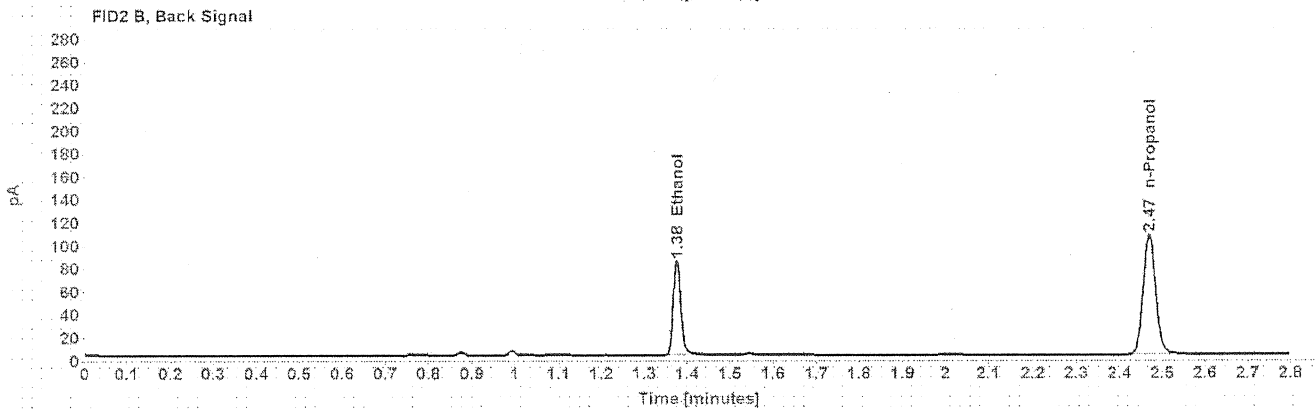
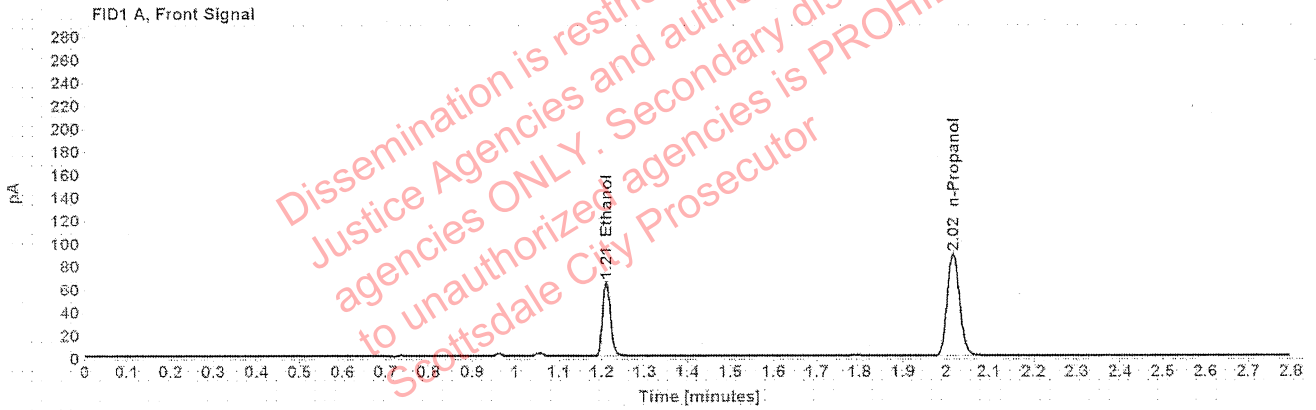


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1287	1.211	83.150
n-Propanol	-----	2.017	176.917

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

Compound	Time (min)	Peak Area
Ethanol	1.376	102.805
n-Propanol	2.469	214.575

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322918	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:28:55 AM
Data file:	C:\Chem32\1\Data\23Jun20\11.D	Analyst:	Brooke

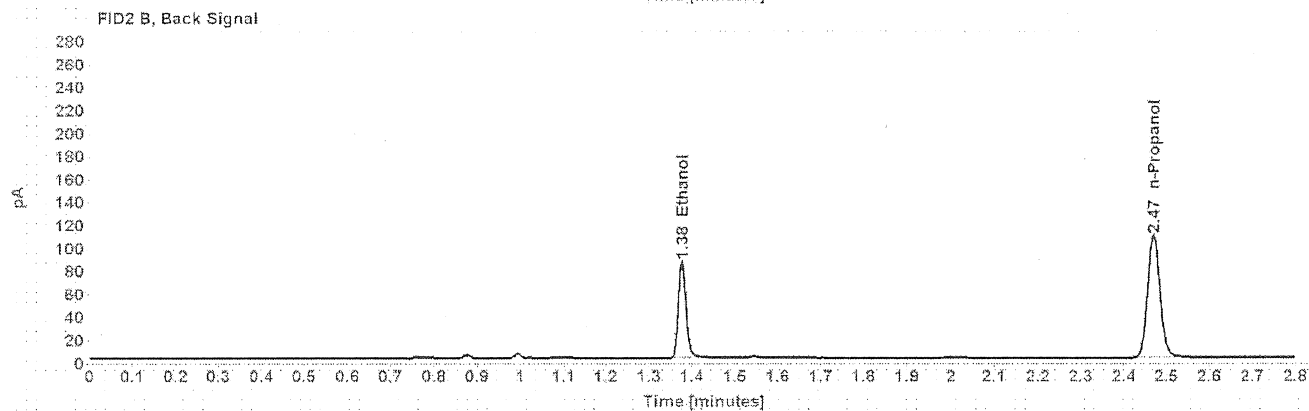
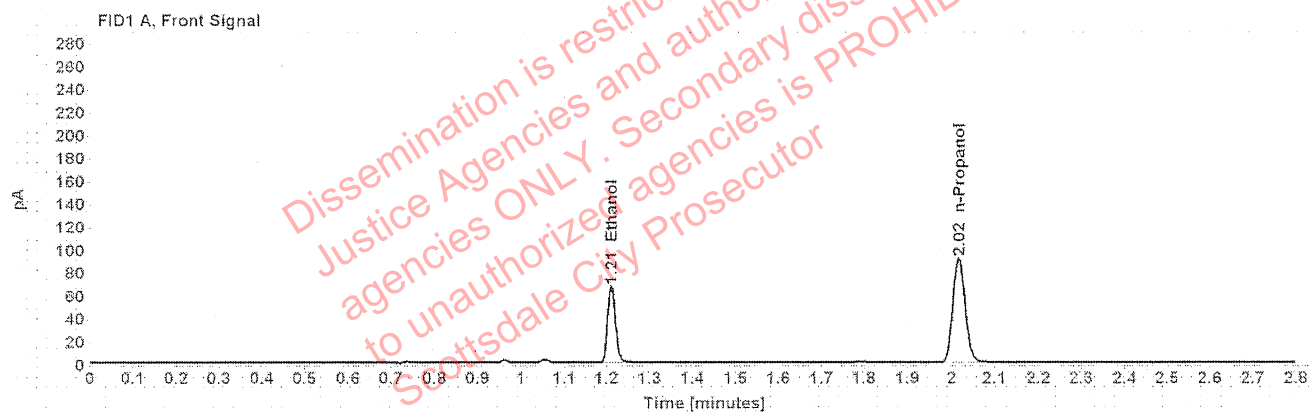


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1292	1.211	85.108
n-Propanol	-----	2.017	180.380

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

Compound	Time (min)	Peak Area
Ethanol	1.377	105.288
n-Propanol	2.470	218.626

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325253	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:32:55 AM
Data file:	C:\Chem32\1\Data\23Jun20\12.D	Analyst:	Brooke

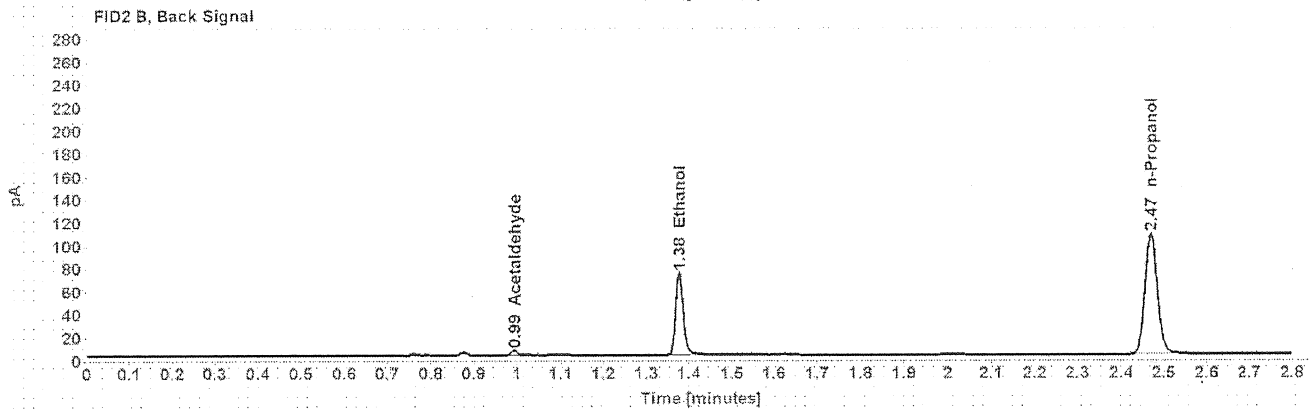
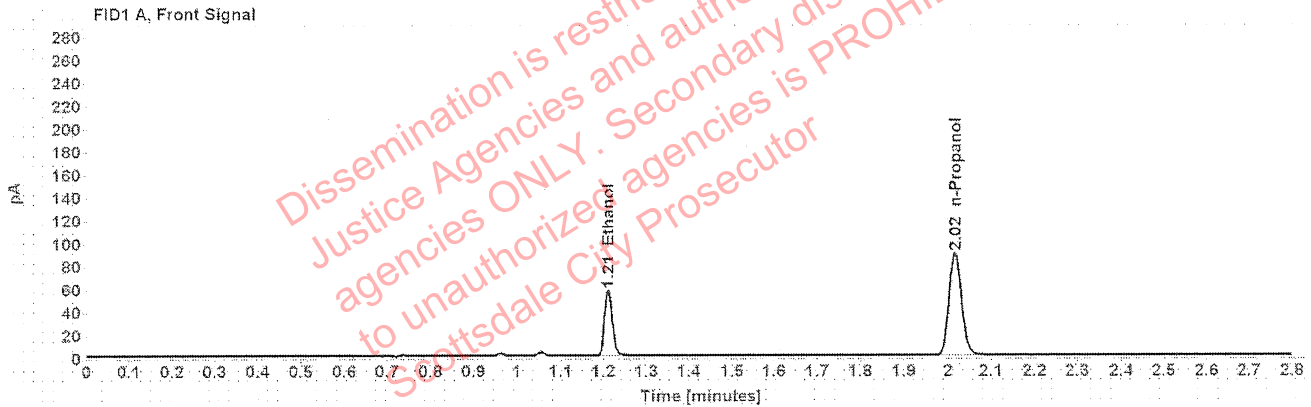


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1129	1.211	72.759
n-Propanol	-----	2.017	176.812

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.191
Ethanol	1.377	90.192
n-Propanol	2.470	214.703

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325253	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:37:11 AM
Data file:	C:\Chem32\1\Data\23Jun20\13.D	Analyst:	Brooke

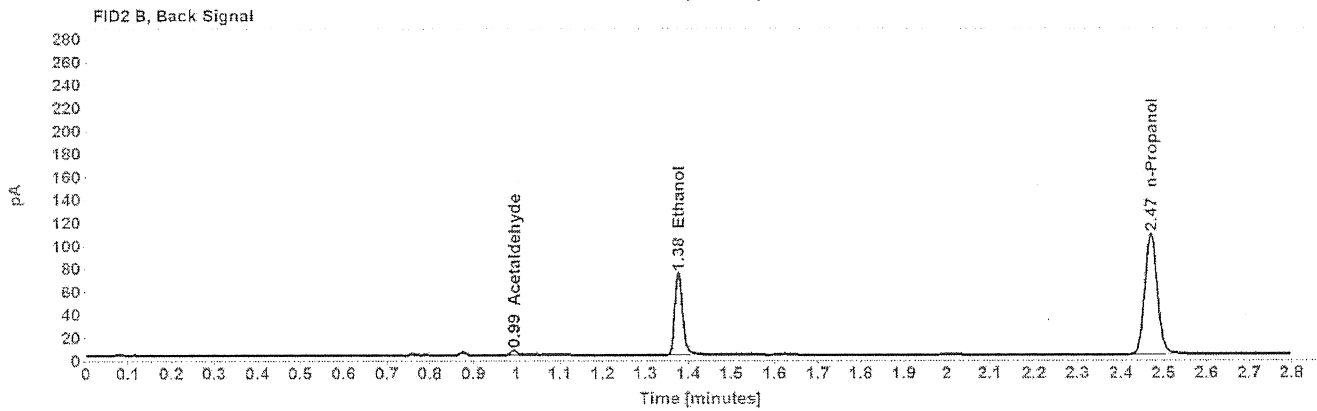
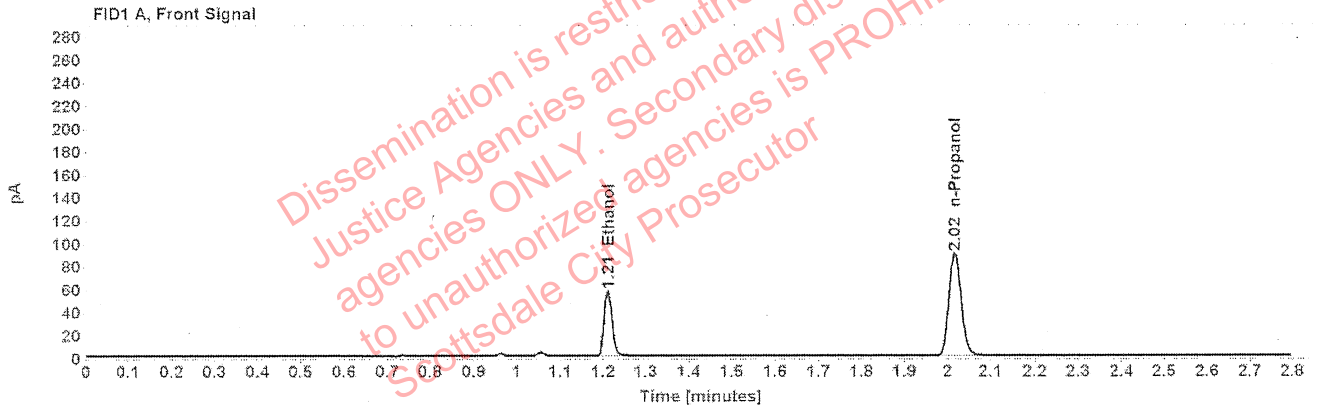


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1125	1.211	72.756
n-Propanol	-----	2.017	177.568

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.203
Ethanol	1.377	89.860
n-Propanol	2.470	215.431

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322093	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:41:11 AM
Data file:	C:\Chem32\1\Data\23Jun20\14.D	Analyst:	Brooke

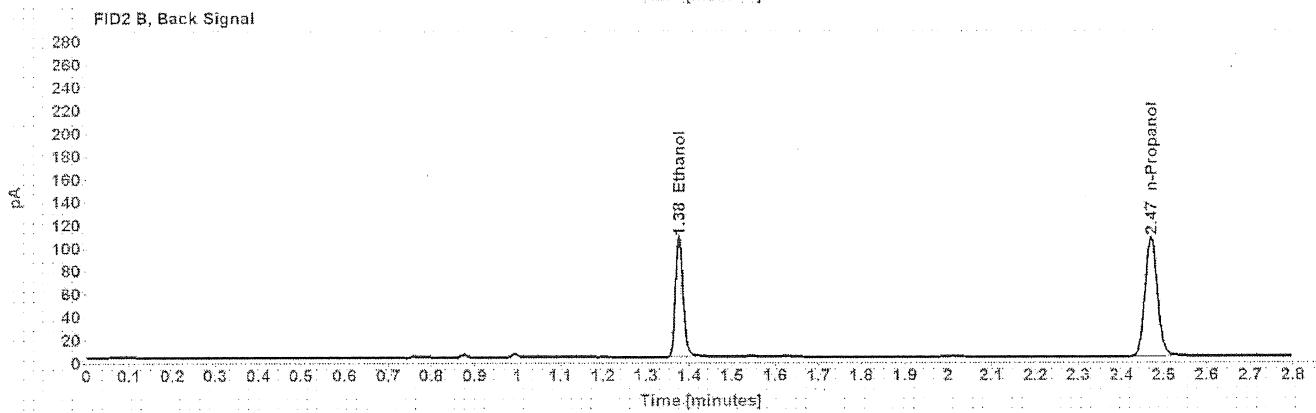
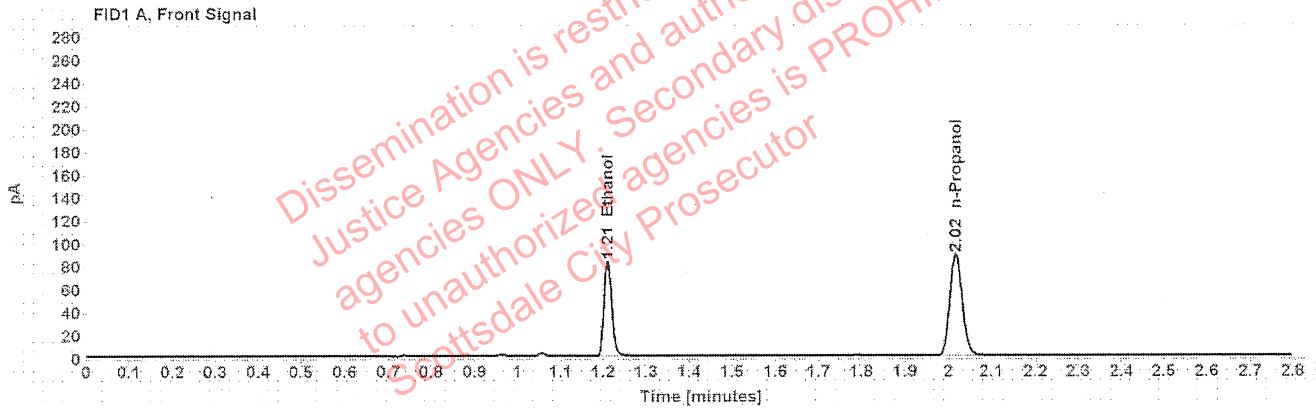


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1638	1.211	105.449
n-Propanol	-----	2.017	175.603

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

Compound	Time (min)	Peak Area
Ethanol	1.376	130.791
n-Propanol	2.470	213.102

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322093	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:45:10 AM
Data file:	C:\Chem32\1\Data\23Jun20\15.D	Analyst:	Brooke

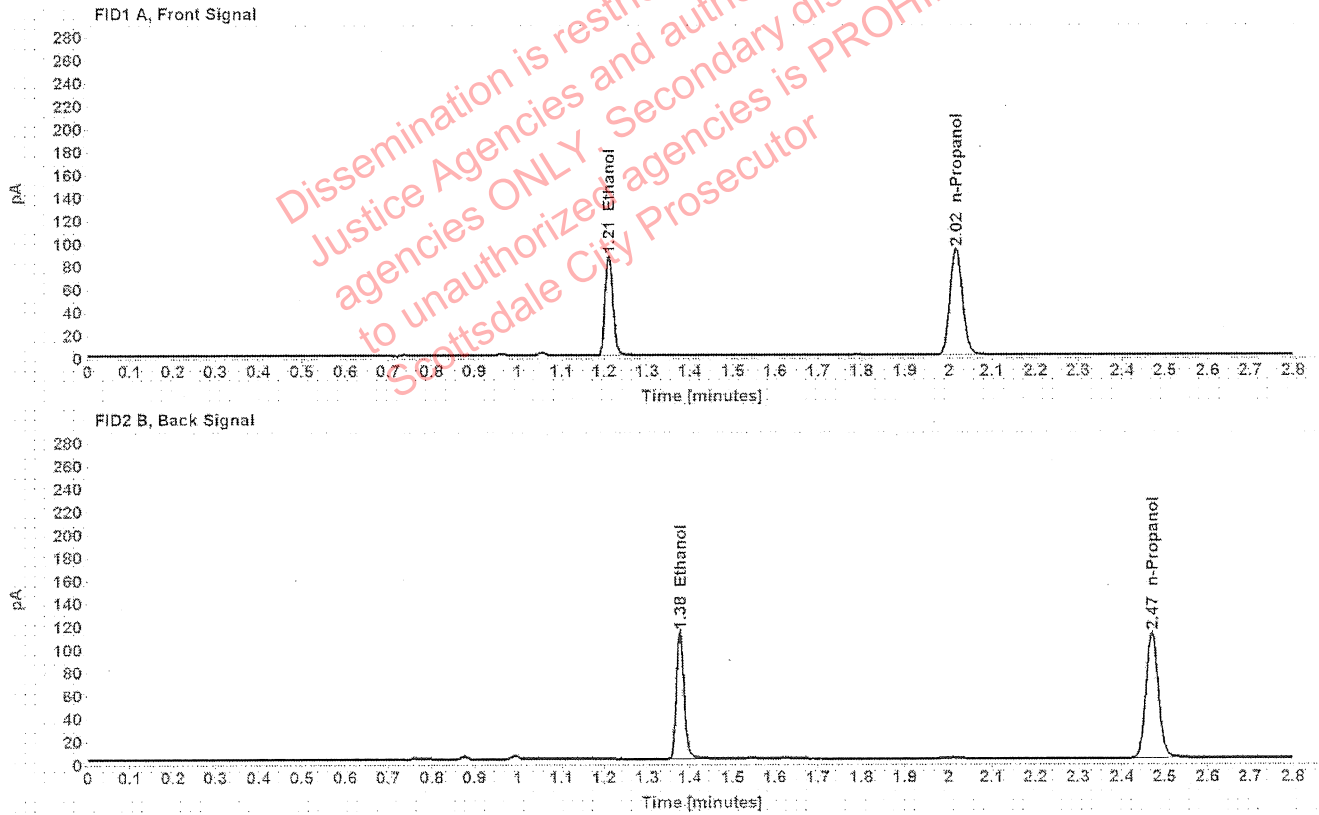


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1651	1.211	111.467
n-Propanol	-----	2.017	184.227

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

Compound	Time (min)	Peak Area
Ethanol	1.377	140.061
n-Propanol	2.470	223.799

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325455	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:49:11 AM
Data file:	C:\Chem32\1\Data\23Jun20\16.D	Analyst:	Brooke

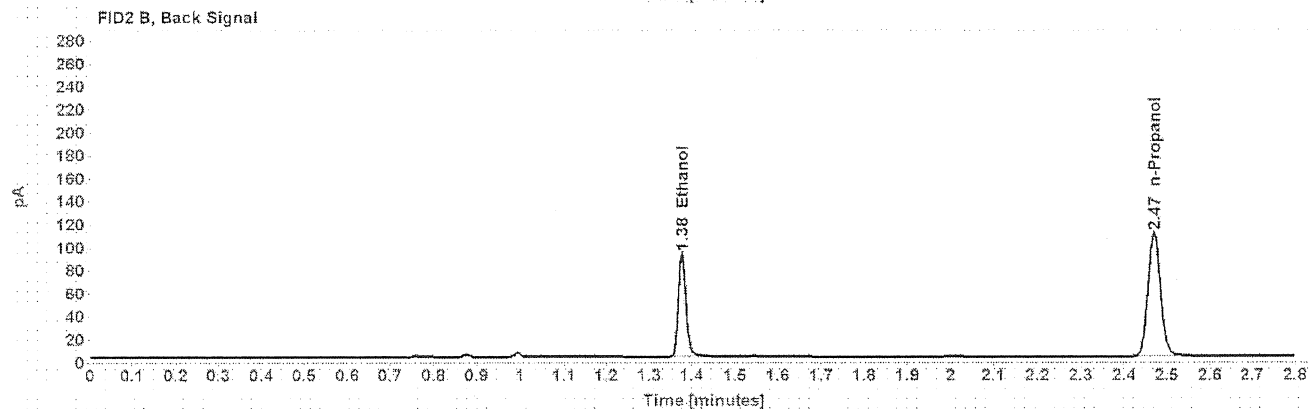
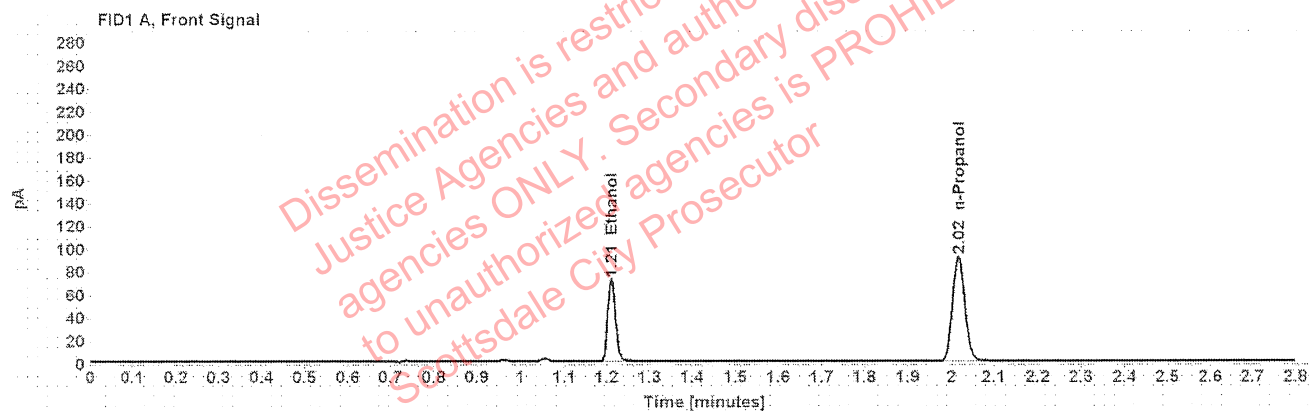


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1380	1.211	91.469
n-Propanol	-----	2.017	181.335

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

Compound	Time (min)	Peak Area
Ethanol	1.377	113.098
n-Propanol	2.470	219.330

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325455	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:53:10 AM
Data file:	C:\Chem32\1\Data\23Jun20\17.D	Analyst:	Brooke

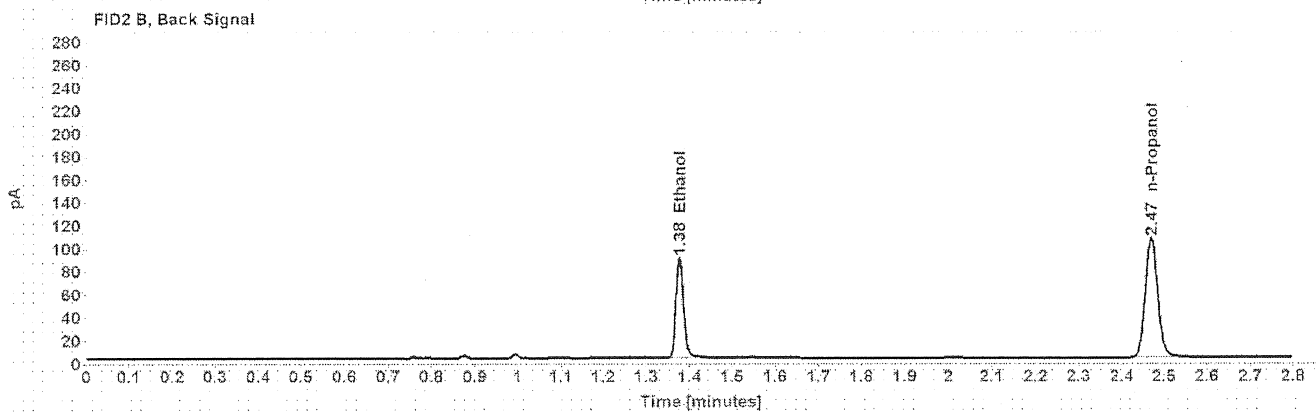
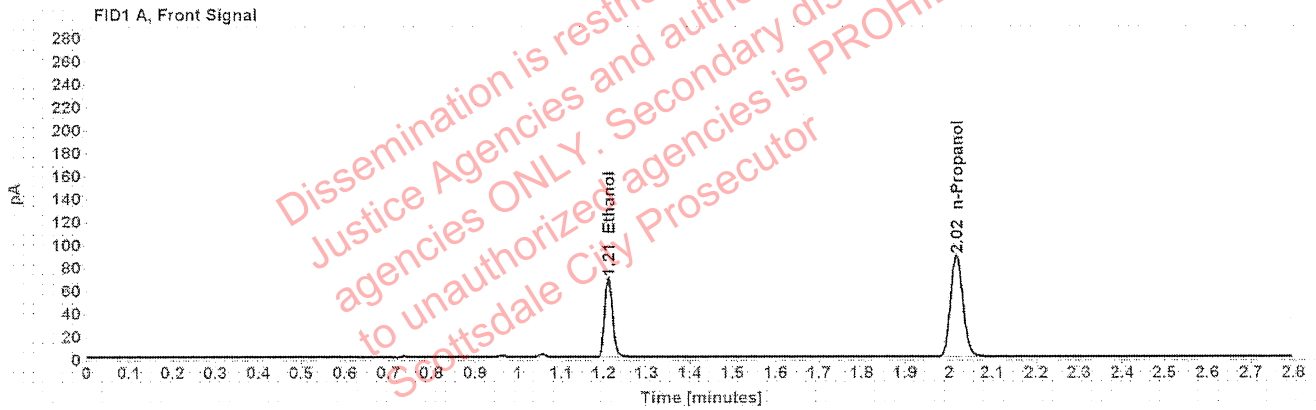


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1368	1.211	88.054
n-Propanol	-----	2.017	176.040

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

Compound	Time (min)	Peak Area
Ethanol	1.377	108.921
n-Propanol	2.470	212.974

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325752	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 11:57:12 AM
Data file:	C:\Chem32\1\Data\23Jun20\18.D	Analyst:	Brooke

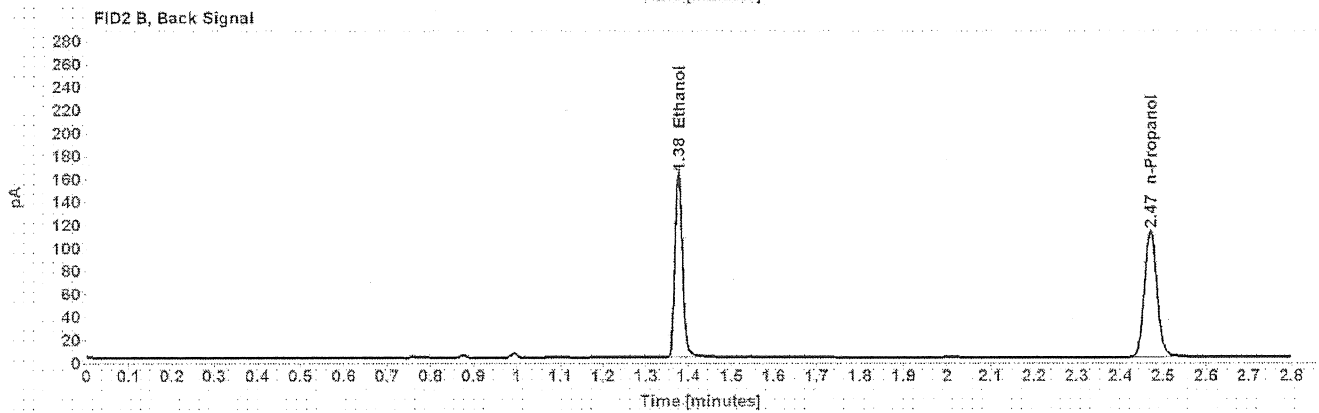
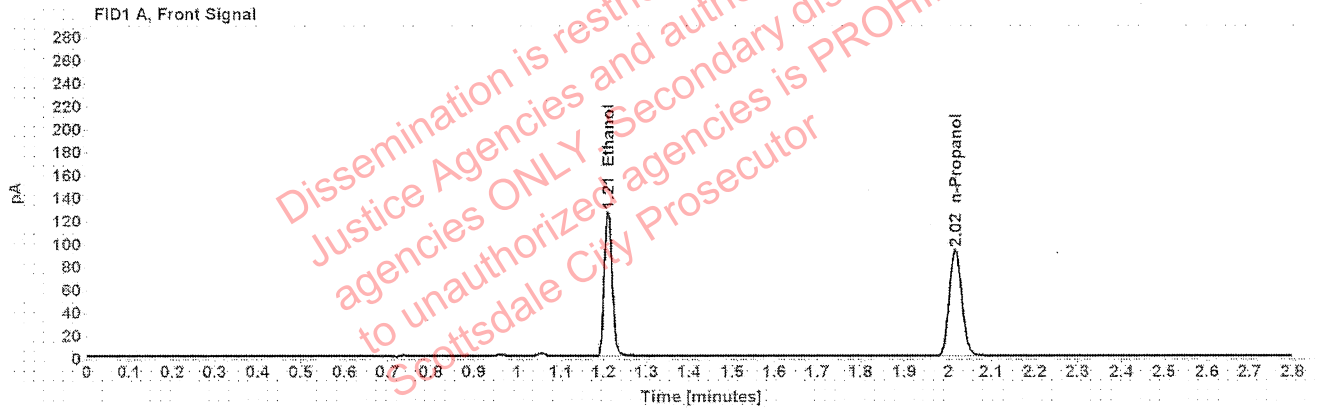


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2367	1.211	161.929
n-Propanol	-----	2.017	185.886

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

Compound	Time (min)	Peak Area
Ethanol	1.376	201.648
n-Propanol	2.470	225.457

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325752	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:01:27 PM
Data file:	C:\Chem32\1\Data\23Jun20\19.D	Analyst:	Brooke

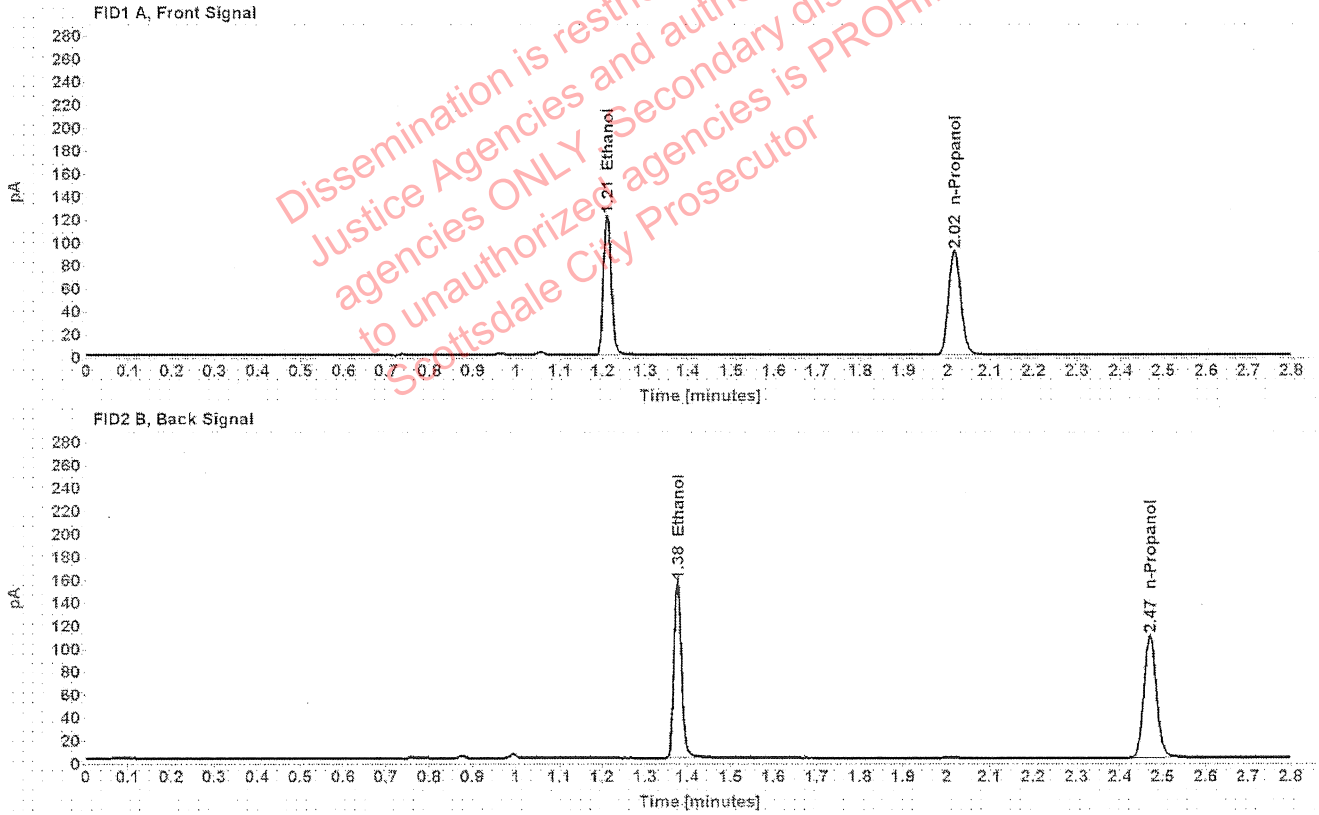


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2336	1.211	155.643
n-Propanol	-----	2.017	181.081

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

Compound	Time (min)	Peak Area
Ethanol	1.376	193.851
n-Propanol	2.470	219.212

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325741	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:09:27 PM
Data file:	C:\Chem32\1\Data\23Jun20\21.D	Analyst:	Brooke

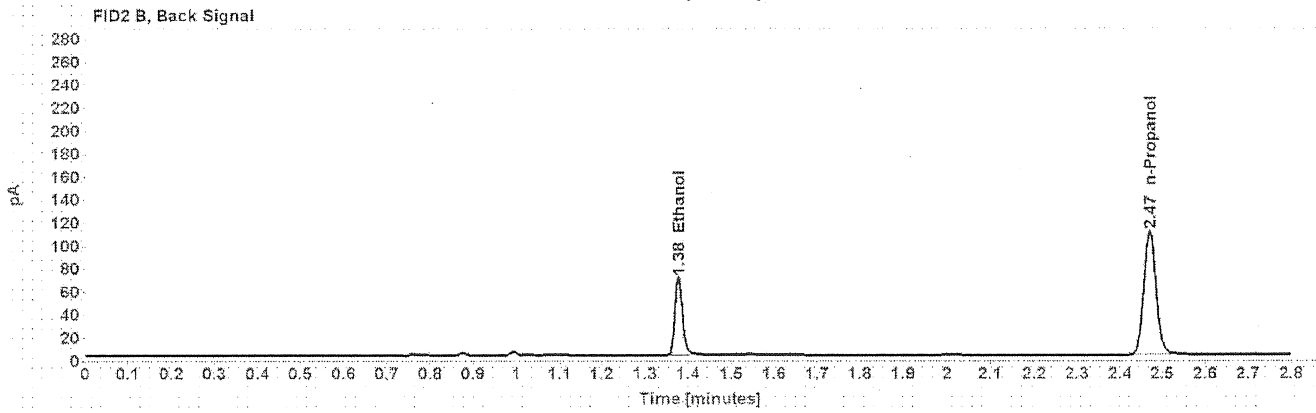
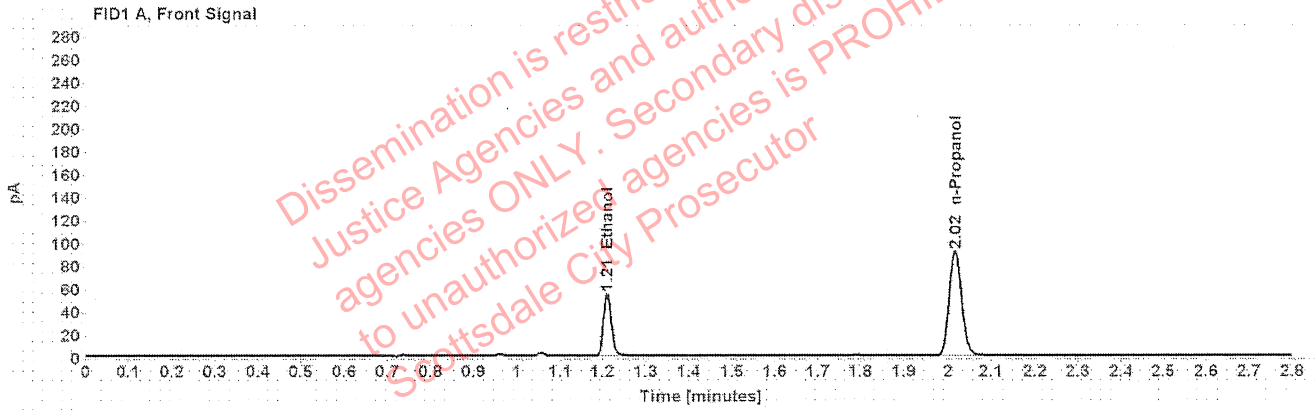


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1042	1.211	68.976
n-Propanol	-----	2.017	181.978

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

Compound	Time (min)	Peak Area
Ethanol	1.377	85.279
n-Propanol	2.470	220.443

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325741	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:13:26 PM
Data file:	C:\Chem32\1\Data\23Jun20\22.D	Analyst:	Brooke

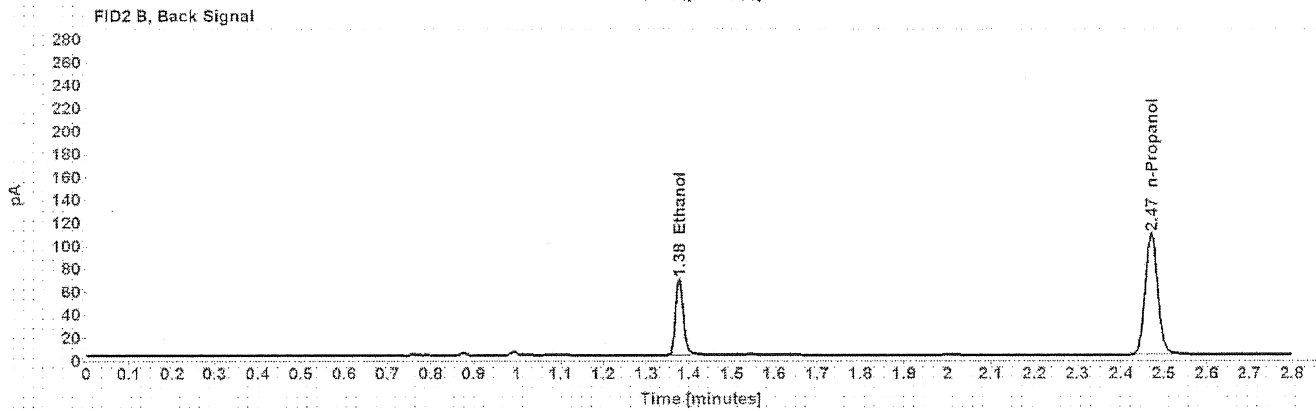
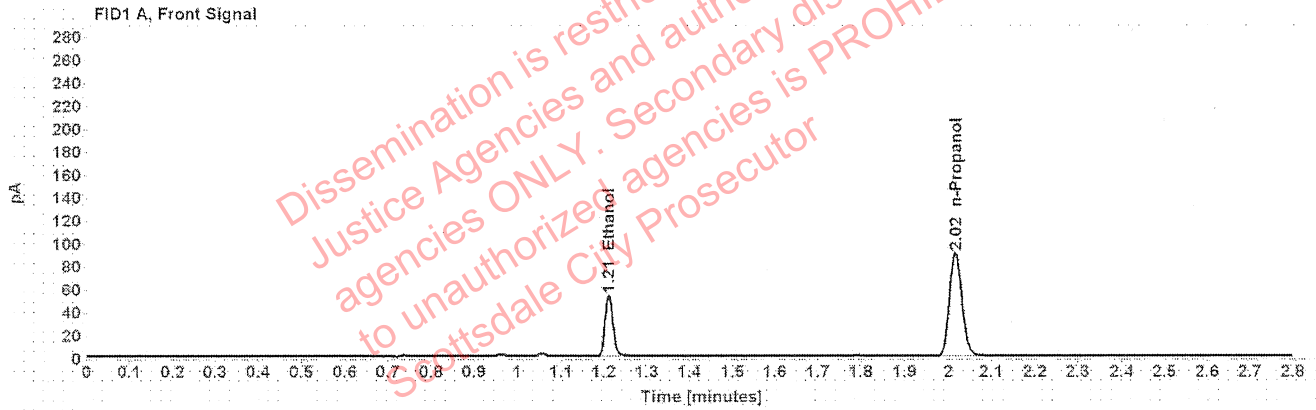


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1040	1.212	67.770
n-Propanol	-----	2.017	179.081

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

Compound	Time (min)	Peak Area
Ethanol	1.377	83.792
n-Propanol	2.470	216.758

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401PH	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:17:27 PM
Data file:	C:\Chem32\1\Data\23Jun20\23.D	Analyst:	Brooke

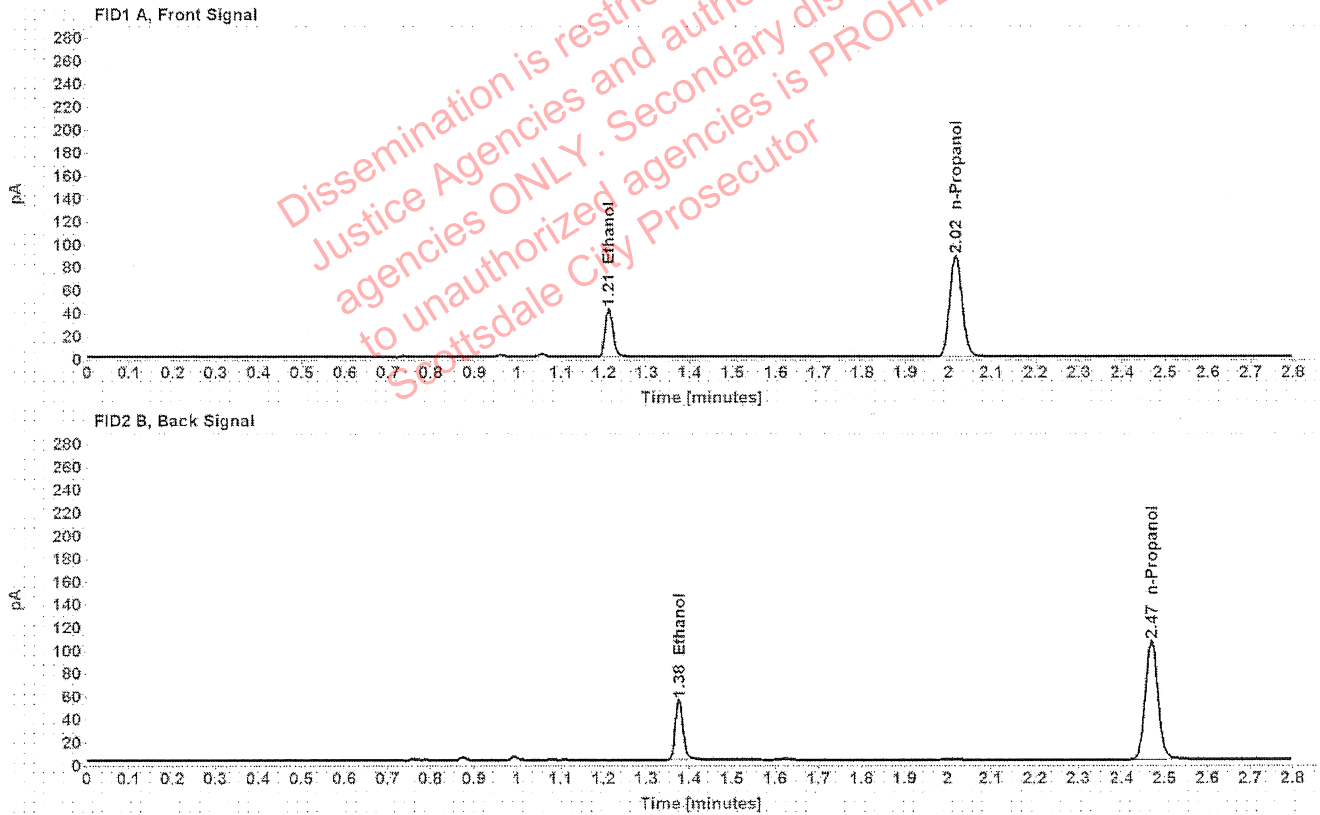


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0846	1.211	53.617
n-Propanol	-----	2.017	175.022

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

Compound	Time (min)	Peak Area
Ethanol	1.376	66.172
n-Propanol	2.469	212.277

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401PH	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:21:25 PM
Data file:	C:\Chem32\1\Data\23Jun20\24.D	Analyst:	Brooke

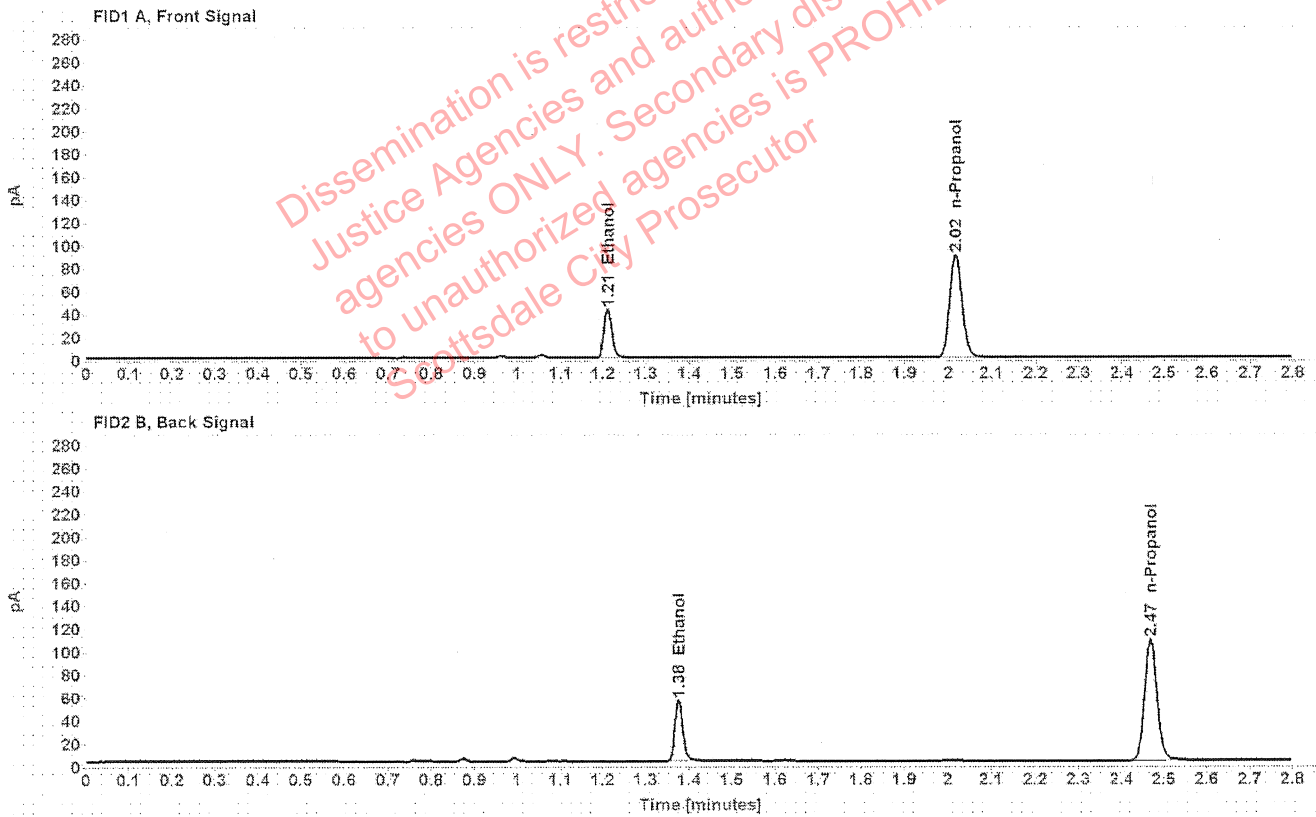


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0843	1.211	54.454
n-Propanol	-----	2.017	178.481

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

Compound	Time (min)	Peak Area
Ethanol	1.376	67.344
n-Propanol	2.469	216.376

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001CS	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:25:41 PM
Data file:	C:\Chem32\1\Data\23Jun20\25.D	Analyst:	Brooke

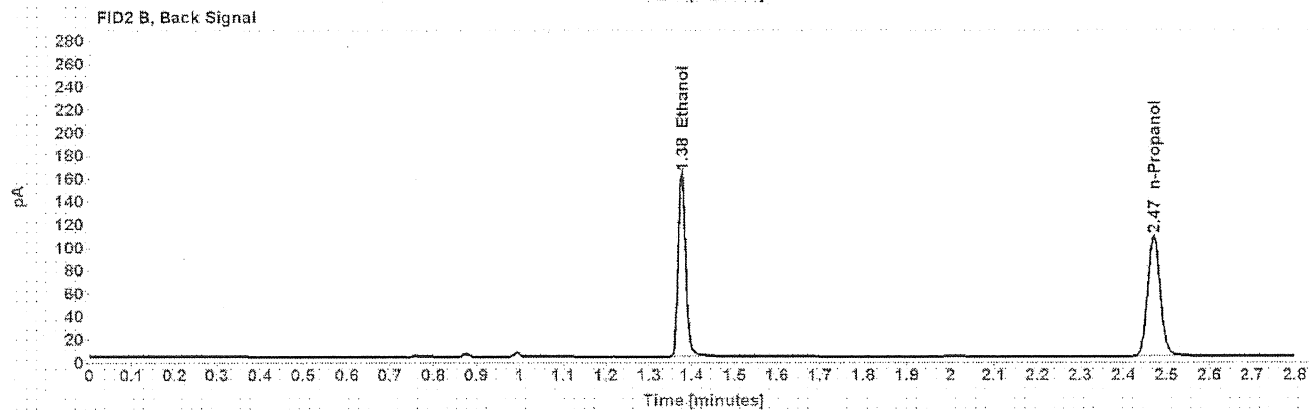
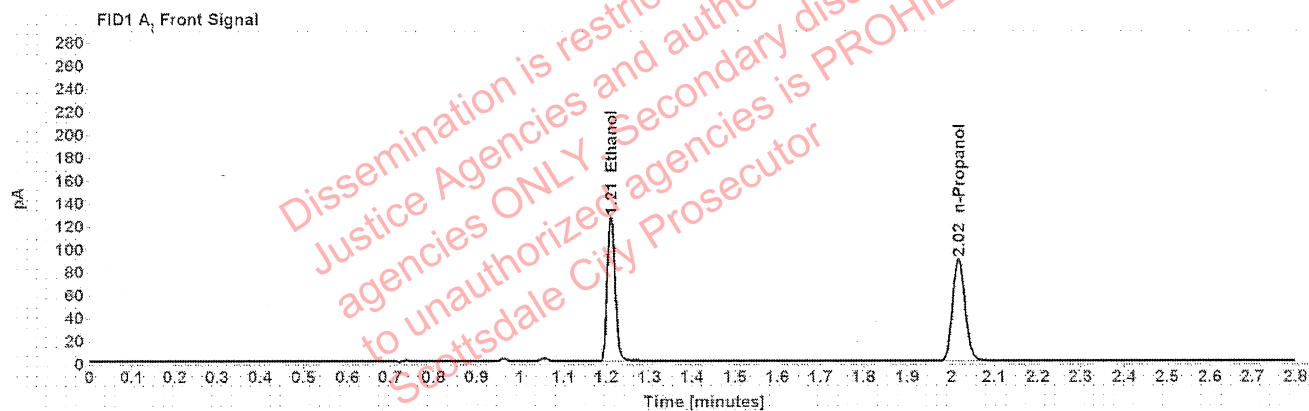


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2468	1.211	161.466
n-Propanol	-----	2.017	177.715

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

Compound	Time (min)	Peak Area
Ethanol	1.376	200.549
n-Propanol	2.470	214.349

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001CS	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:29:43 PM
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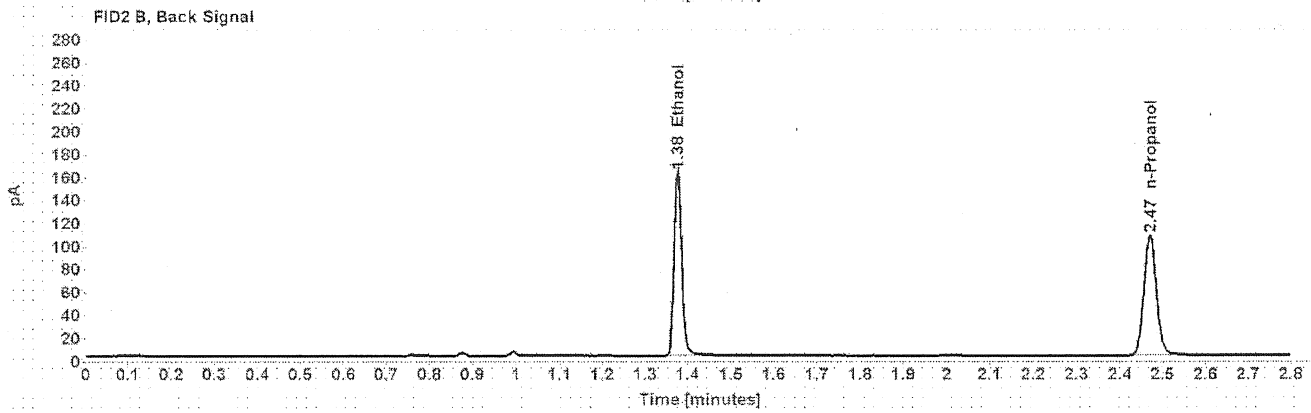
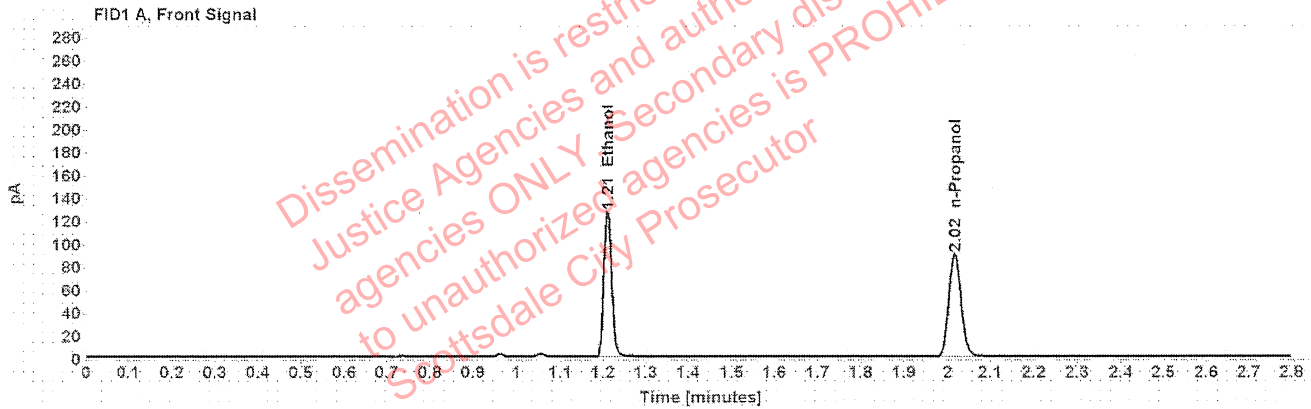


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2472	1.211	161.912
n-Propanol	-----	2.017	177.925

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

Compound	Time (min)	Peak Area
Ethanol	1.376	201.740
n-Propanol	2.470	214.756

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3661TN	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:33:41 PM
Data file:	C:\Chem32\1\Data\23Jun20\27.D	Analyst:	Brooke

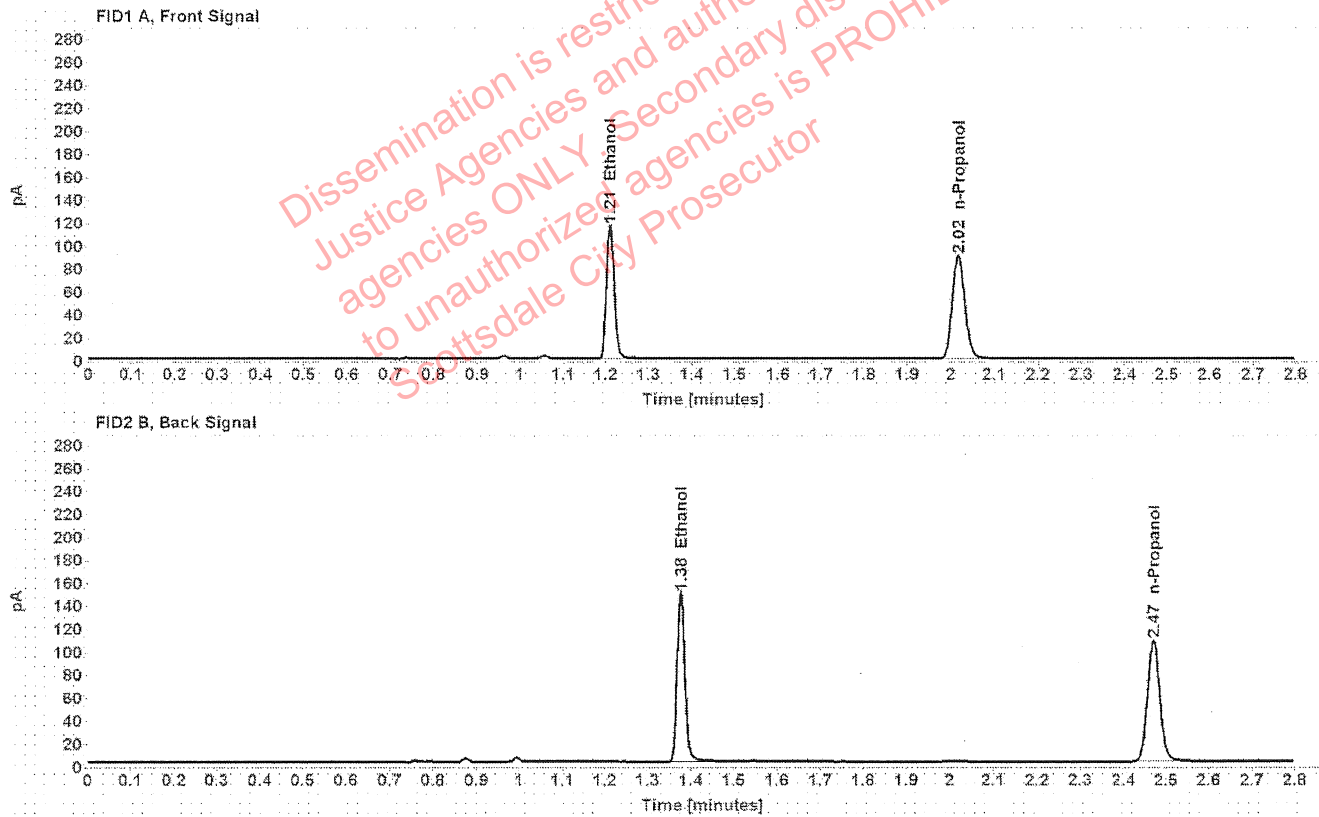


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2259	1.211	148.467
n-Propanol	-----	2.017	178.707

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

Compound	Time (min)	Peak Area
Ethanol	1.376	186.114
n-Propanol	2.470	216.264

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	3661TN	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:37:42 PM
Data file:	C:\Chem32\1\Data\23Jun20\28.D	Analyst:	Brooke

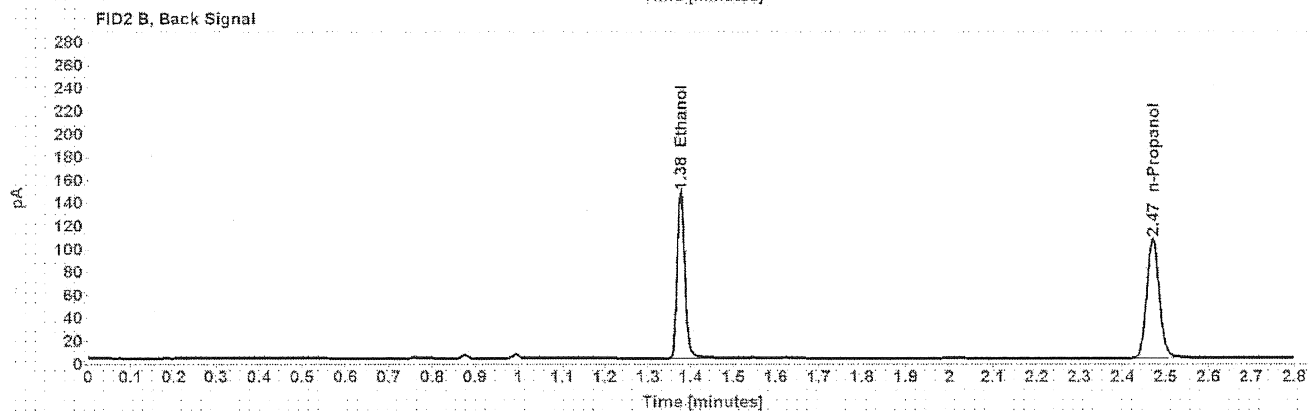
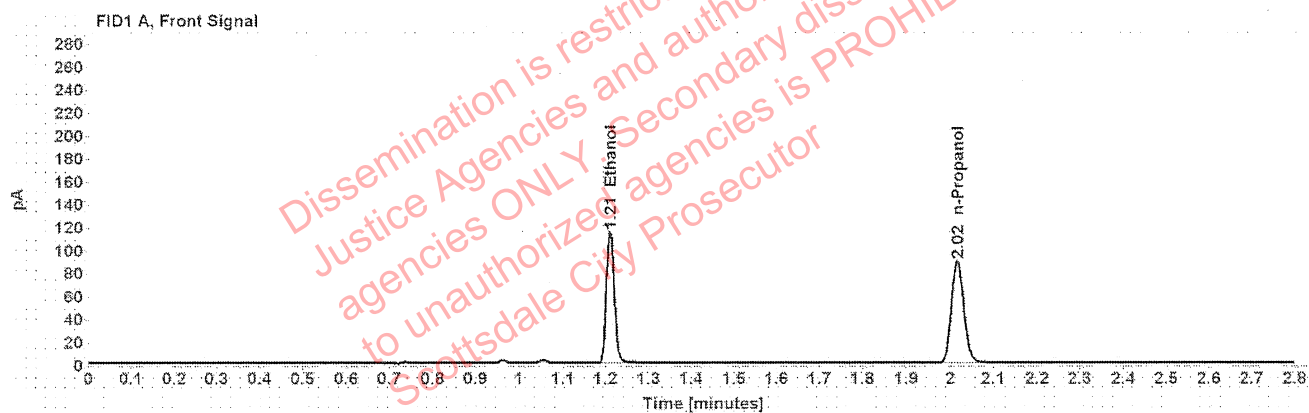


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2258	1.211	146.117
n-Propanol	-----	2.017	175.916

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

Compound	Time (min)	Peak Area
Ethanol	1.376	183.488
n-Propanol	2.470	213.289

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323008	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:41:41 PM
Data file:	C:\Chem32\1\Data\23Jun20\29.D	Analyst:	Brooke

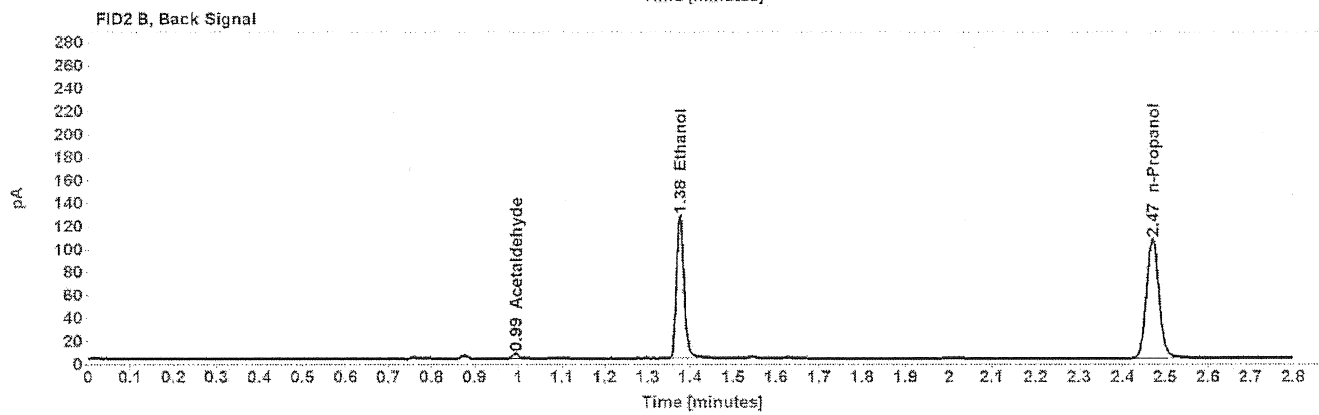
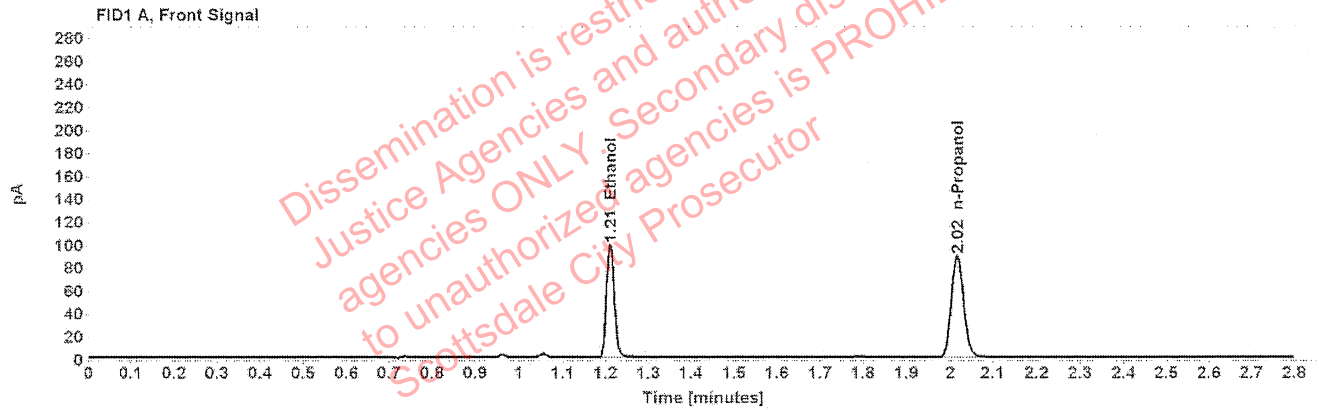


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1952	1.211	126.046
n-Propanol	-----	2.017	175.863

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.135
Ethanol	1.376	156.460
n-Propanol	2.469	213.474

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323008	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:45:42 PM
Data file:	C:\Chem32\1\Data\23Jun20\30.D	Analyst:	Brooke

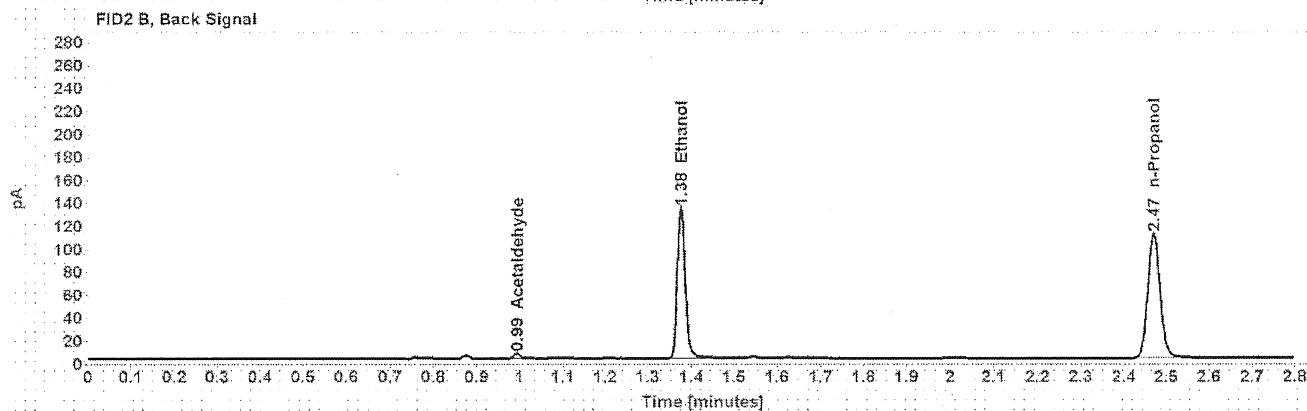
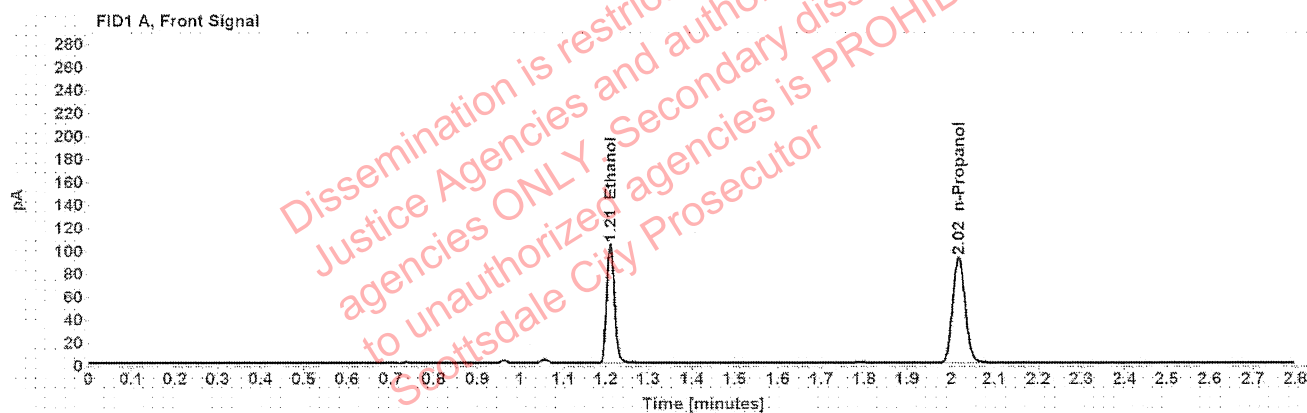


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1970	1.211	132.923
n-Propanol	-----	2.017	183.678

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.197
Ethanol	1.376	166.696
n-Propanol	2.470	222.823

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315813	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:53:56 PM
Data file:	C:\Chem32\1\Data\23Jun20\32.D	Analyst:	Brooke

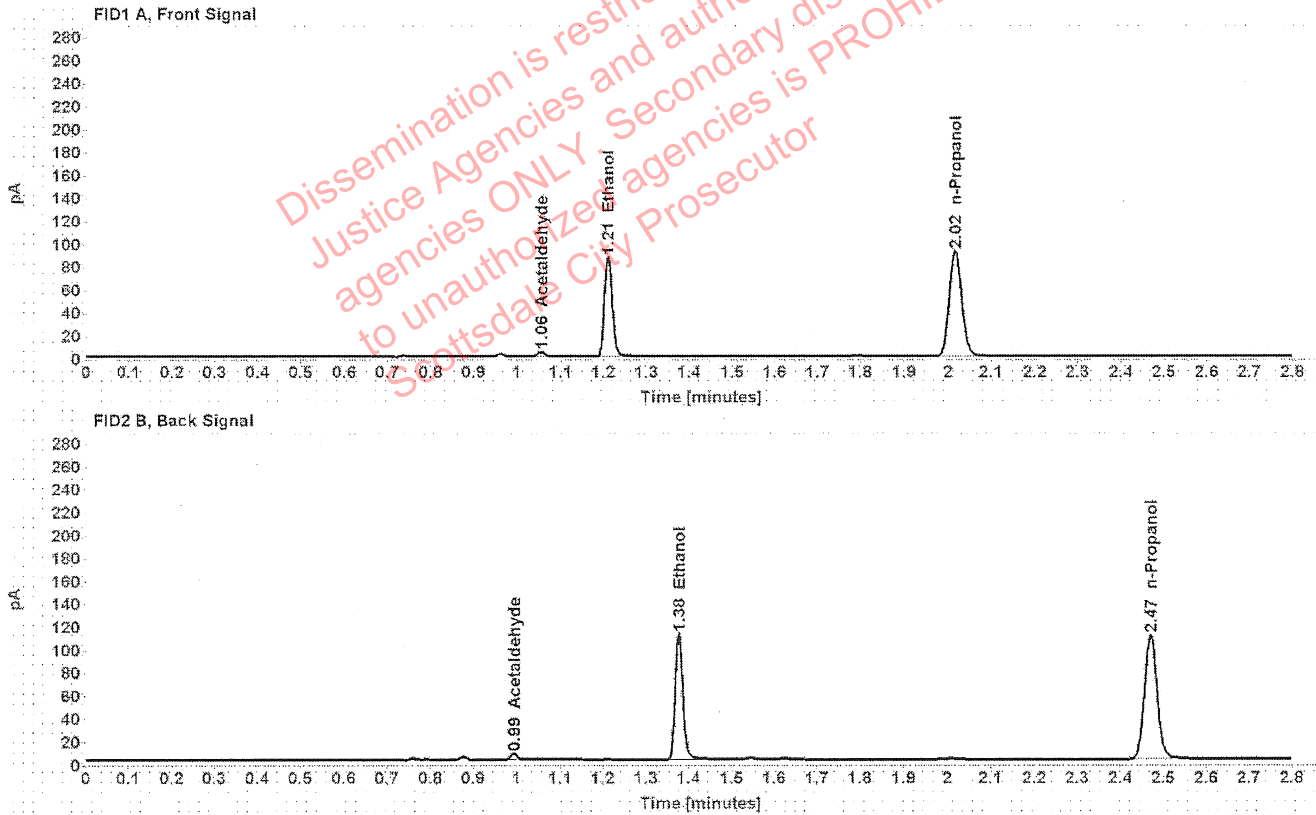


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.011
>Ethanol	0.1657	1.211	111.145
n-Propanol	-----	2.017	183.019

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.222
Ethanol	1.377	139.642
n-Propanol	2.470	221.545

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315813	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 12:57:56 PM
Data file:	C:\Chem32\1\Data\23Jun20\33.D	Analyst:	Brooke

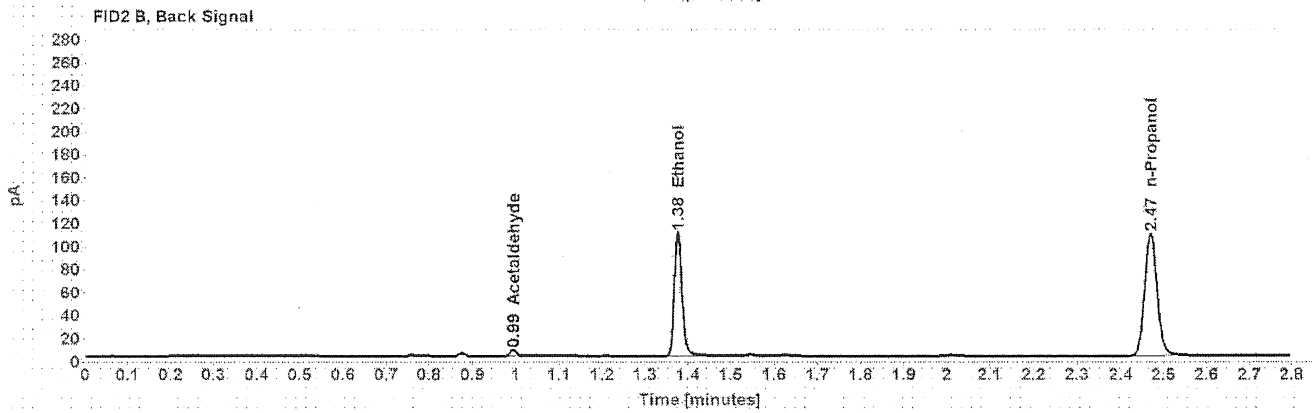
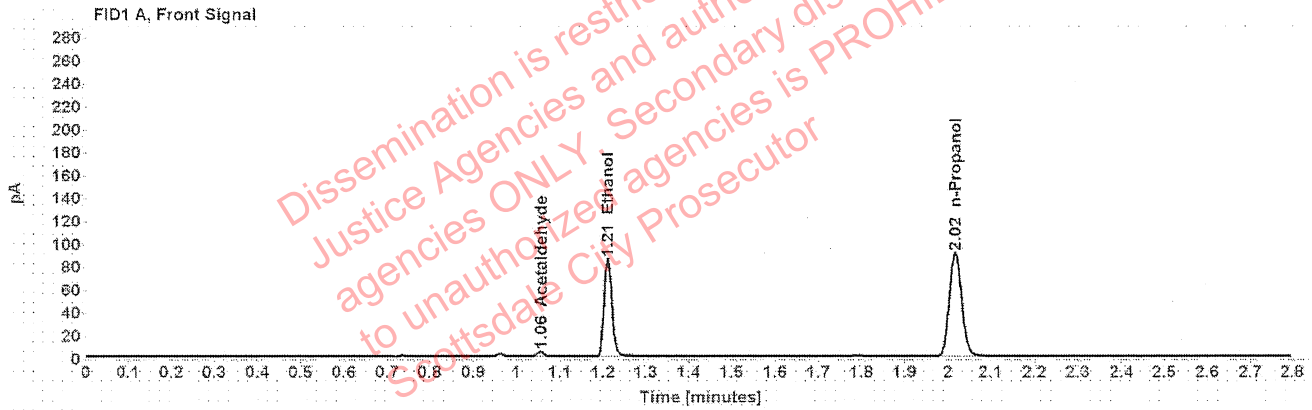


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.965
>Ethanol	0.1654	1.211	108.868
n-Propanol	-----	2.017	179.554

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.196
Ethanol	1.376	136.786
n-Propanol	2.470	217.610

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323106	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:01:55 PM
Data file:	C:\Chem32\1\Data\23Jun20\34.D	Analyst:	Brooke

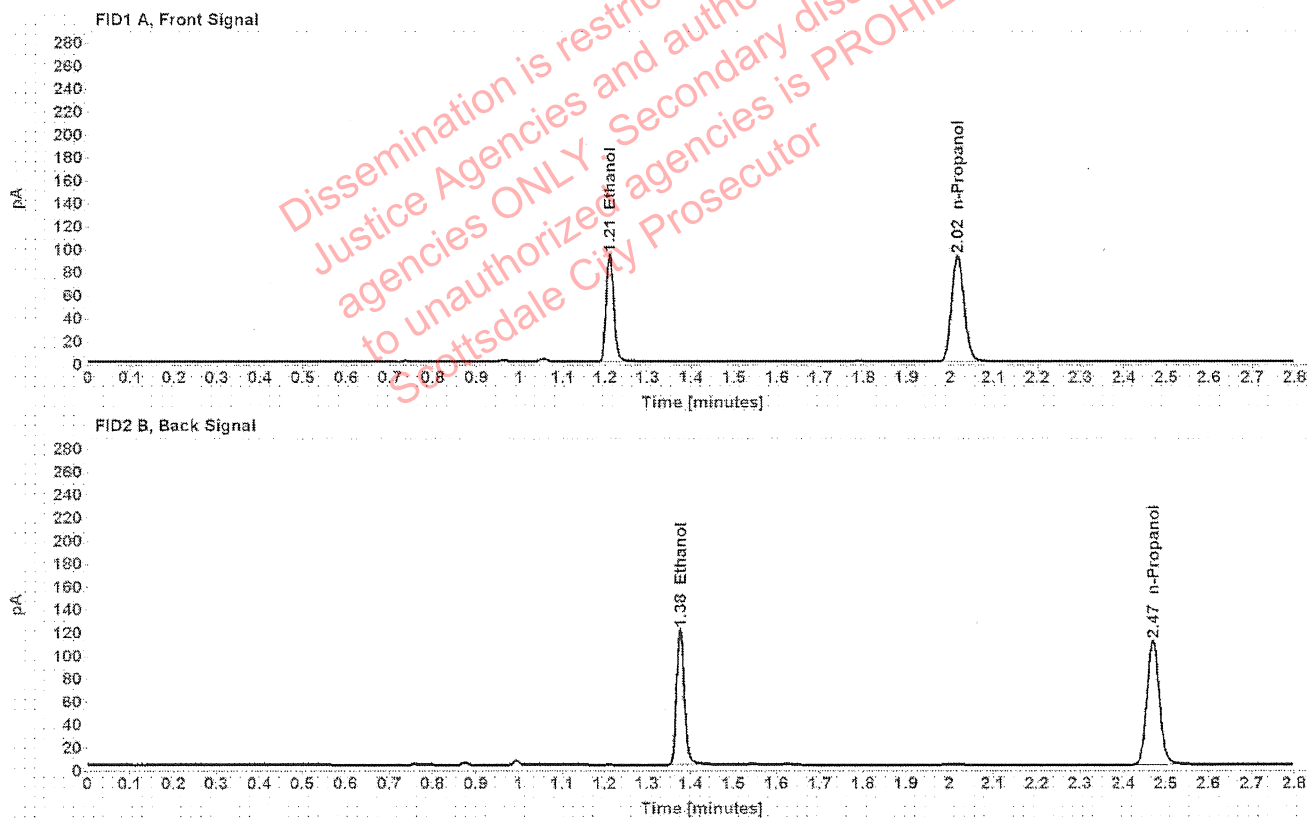


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1780	1.211	119.444
n-Propanol	-----	2.017	182.896

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

Compound	Time (min)	Peak Area
Ethanol	1.376	148.411
n-Propanol	2.470	221.967

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323106	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:05:57 PM
Data file:	C:\Chem32\1\Data\23Jun20\35.D	Analyst:	Brooke

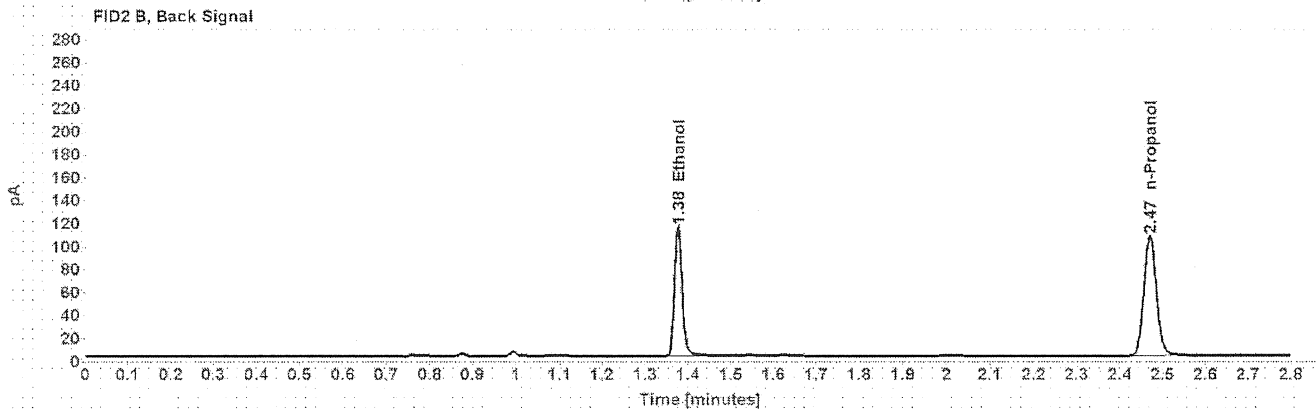
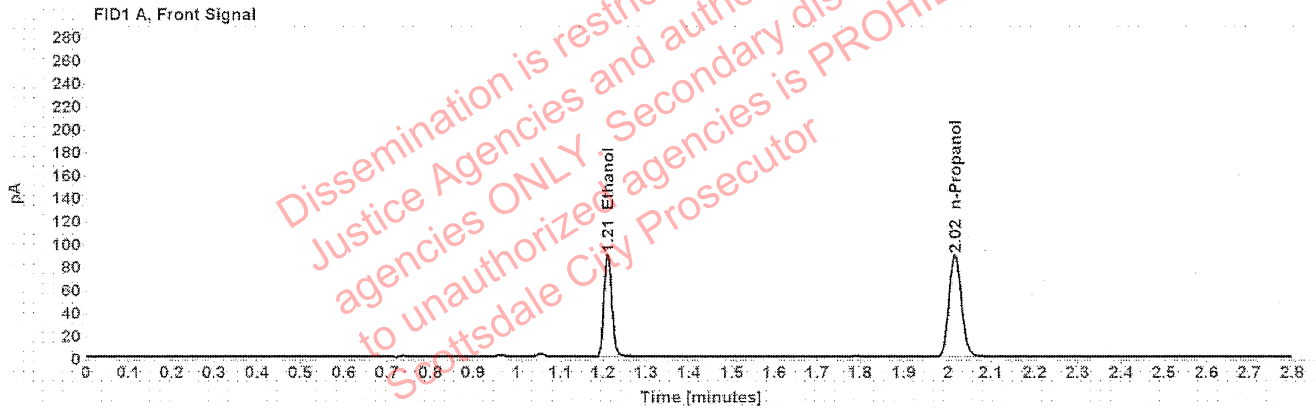


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1762	1.211	114.191
n-Propanol	-----	2.017	176.663

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

Compound	Time (min)	Peak Area
Ethanol	1.376	143.470
n-Propanol	2.470	214.237

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325873	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:09:56 PM
Data file:	C:\Chem32\1\Data\23Jun20\36.D	Analyst:	Brooke

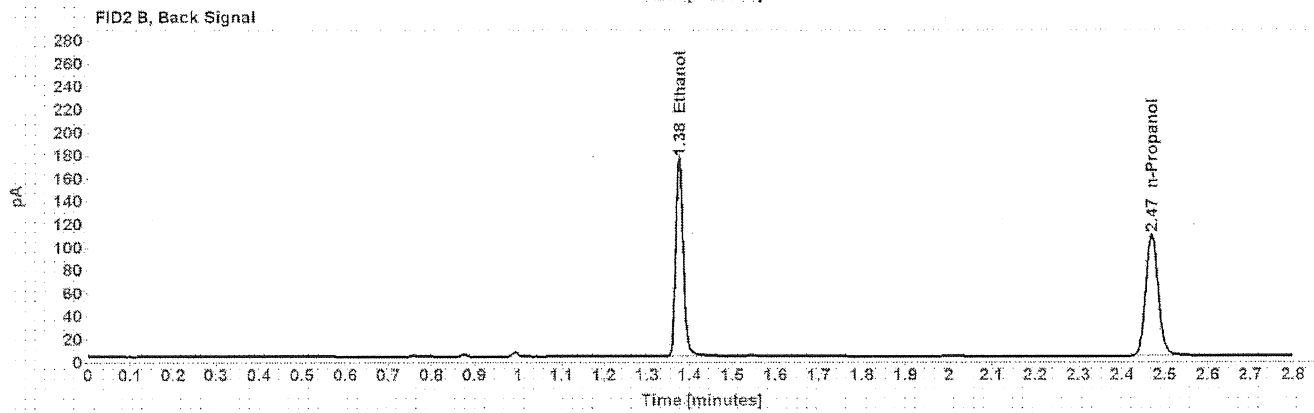
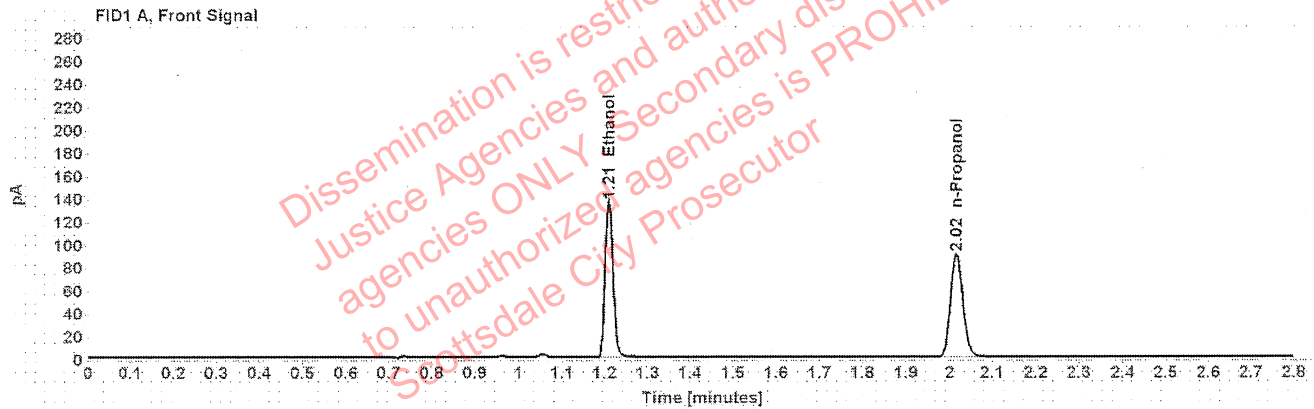


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2631	1.210	173.653
n-Propanol	-----	2.017	179.180

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

Compound	Time (min)	Peak Area
Ethanol	1.375	216.605
n-Propanol	2.469	216.854

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325873	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:14:10 PM
Data file:	C:\Chem32\1\Data\23Jun20\37.D	Analyst:	Brooke

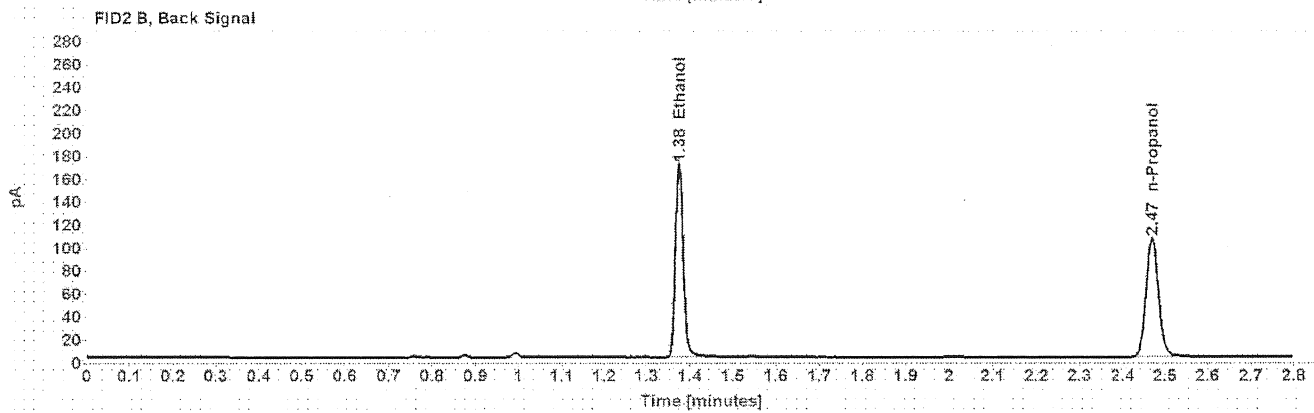
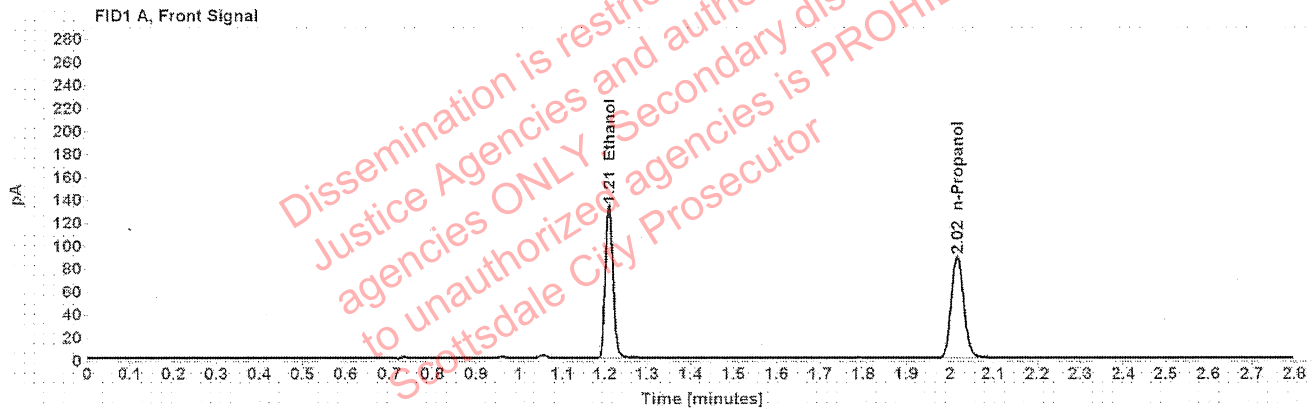


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2619	1.210	169.730
n-Propanol	-----	2.017	175.945

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

Compound	Time (min)	Peak Area
Ethanol	1.375	211.345
n-Propanol	2.469	212.497

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325457	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:18:11 PM
Data file:	C:\Chem32\1\Data\23Jun20\38.D	Analyst:	Brooke

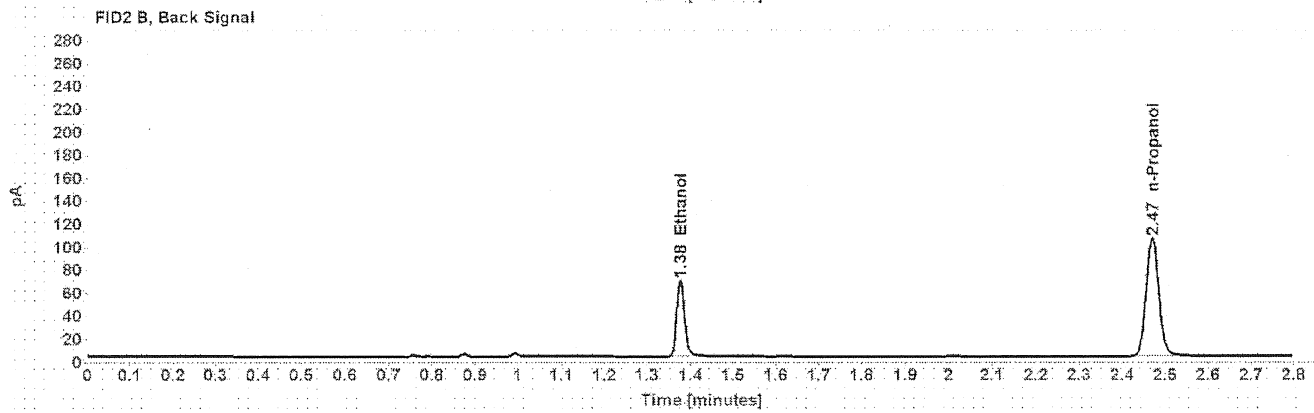
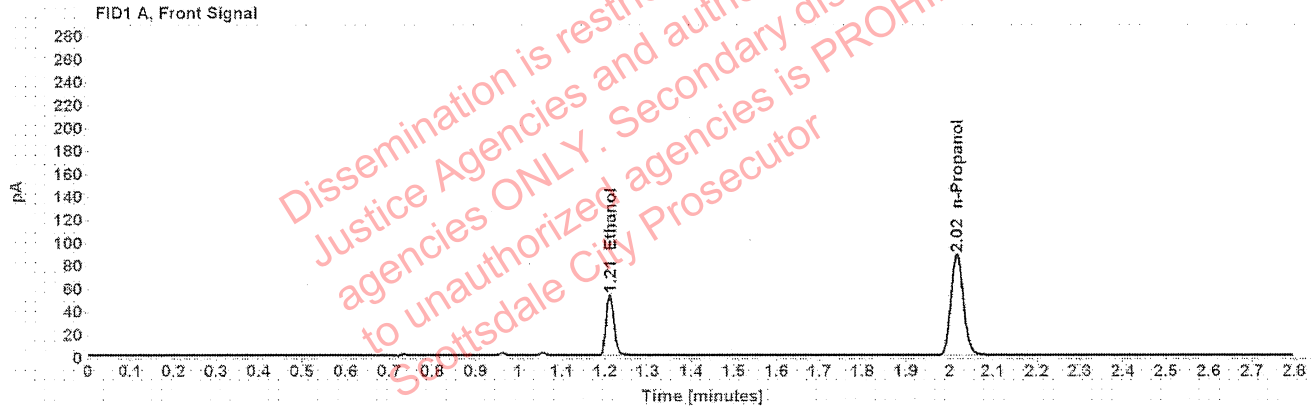


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1065	1.211	67.627
n-Propanol	-----	2.017	174.545

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

Compound	Time (min)	Peak Area
Ethanol	1.376	83.631
n-Propanol	2.470	211.018

[REDACTED]: Brooke, Phillip - (23-Jun-2020)

Case: [REDACTED] User: pbrooke 6/23/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325457	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:22:11 PM
Data file:	C:\Chem32\1\Data\23Jun20\39.D	Analyst:	Brooke

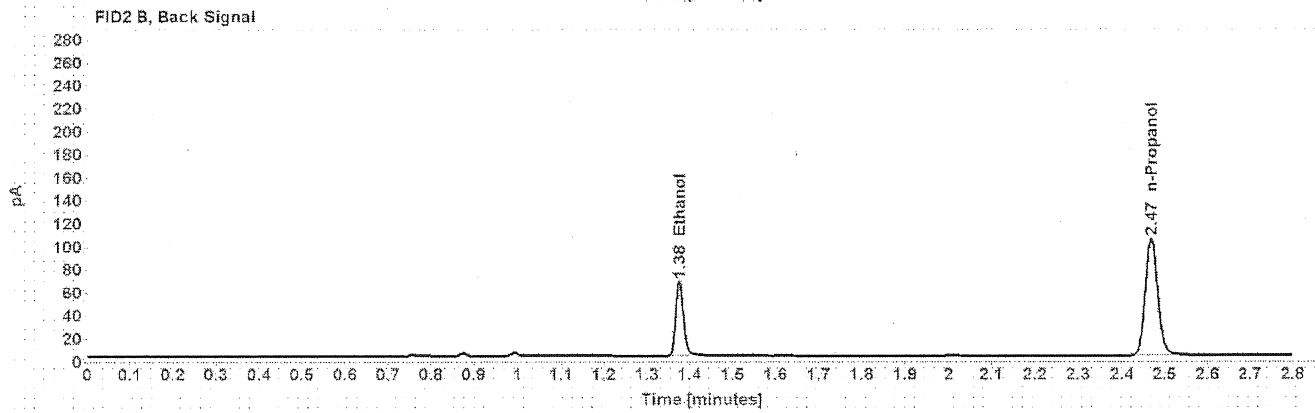
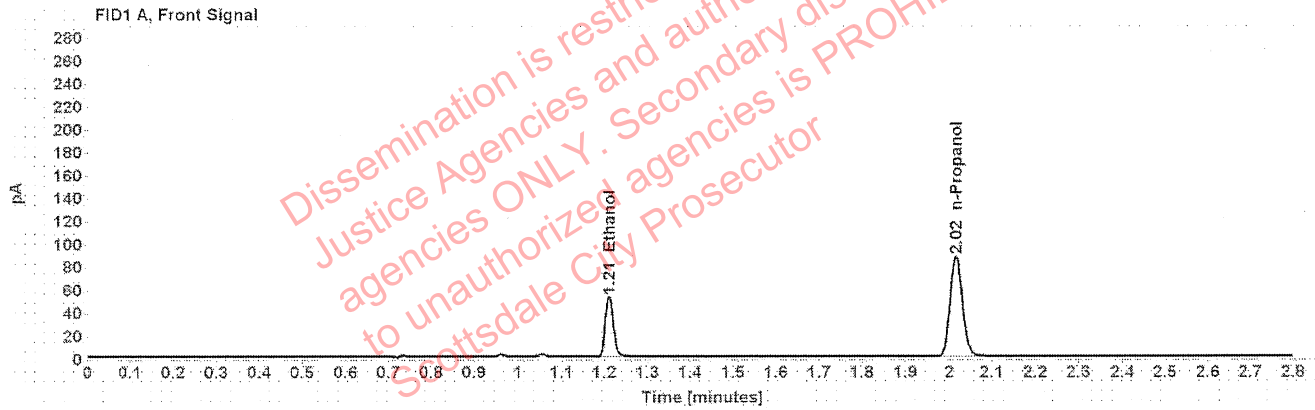


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1058	1.211	66.835
n-Propanol	-----	2.016	173.523

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

Compound	Time (min)	Peak Area
Ethanol	1.376	82.491
n-Propanol	2.469	209.660

[REDACTED] : Brooke, Phillip - (23-Jun-2020)

Case: [REDACTED] User: pbrooke 6/23/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1326360	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:26:10 PM
Data file:	C:\Chem32\1\Data\23Jun20\40.D	Analyst:	Brooke

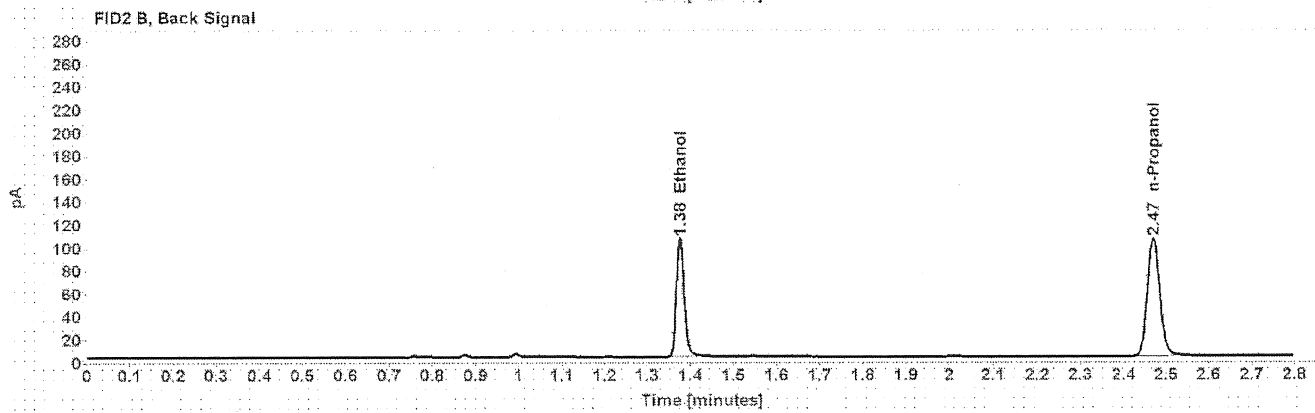
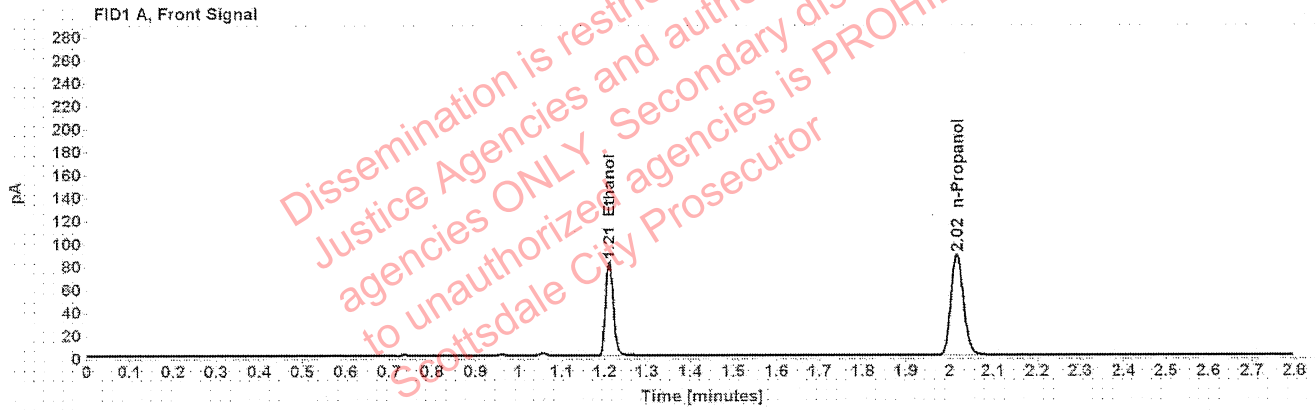


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1639	1.211	105.098
n-Propanol	-----	2.017	174.949

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

Compound	Time (min)	Peak Area
Ethanol	1.377	130.790
n-Propanol	2.470	211.710

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1326360	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/23/2020 1:30:11 PM
Data file:	C:\Chem32\1\Data\23Jun20\41.D	Analyst:	Brooke

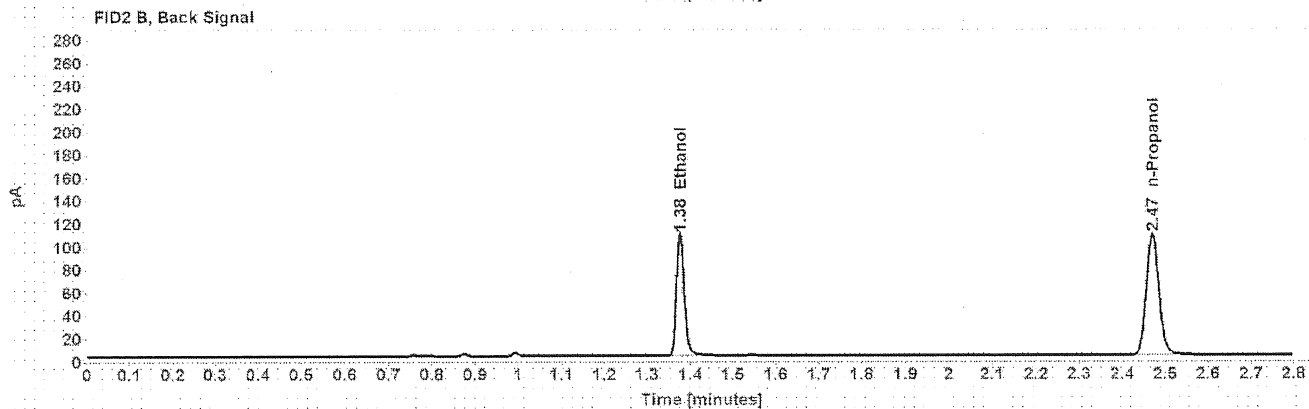
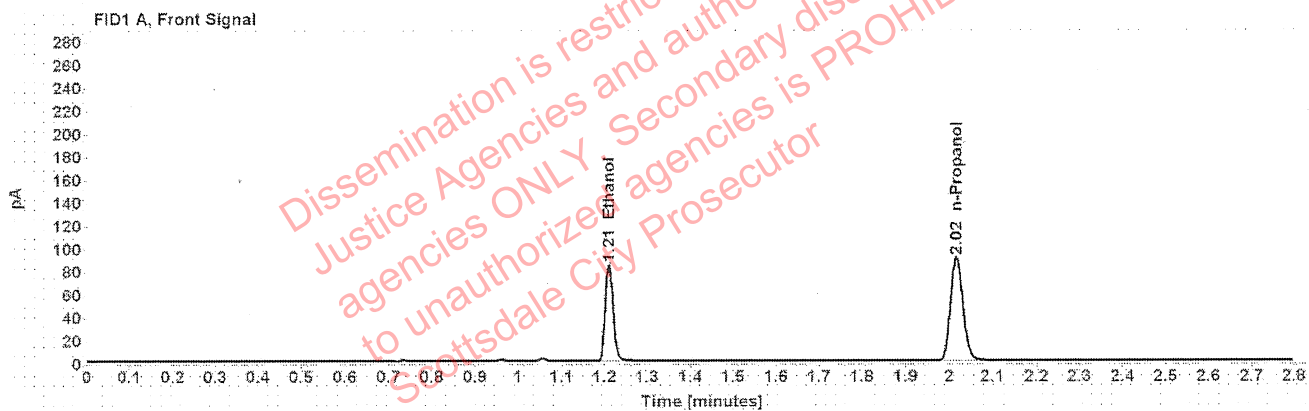


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1640	1.211	107.858
n-Propanol	-----	2.017	179.467

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

Compound	Time (min)	Peak Area
Ethanol	1.376	134.260
n-Propanol	2.470	217.682