

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 08/11/2020 SEQUENCE NAME 11Aug20

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 0.99999
 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	0.405 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	0.081 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.402 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	0.201 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

 Analyst

Run valid
 Run invalid

 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

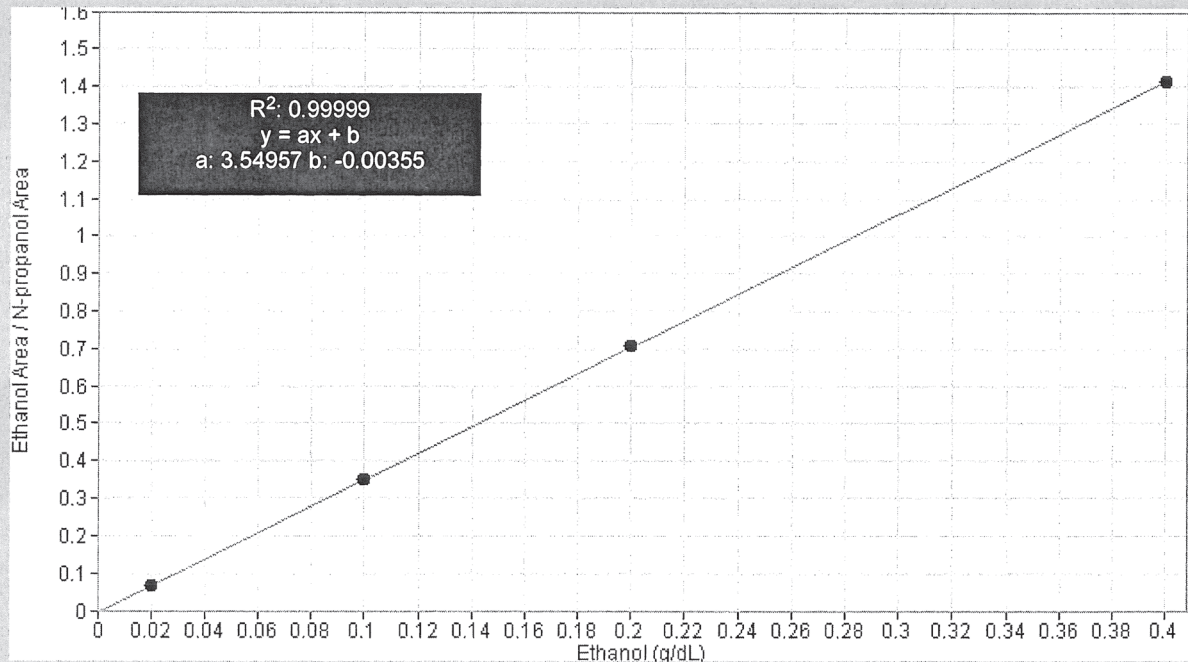
SEQUENCE NAME: 11Aug20

ANALYST: Abbott *ab*

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	0.405	0.400	1.25	0.005
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	0.081	0.080	1.25	0.001
0.400 11092018-A	42	0.402	0.400	0.50	0.002
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.198 407041529/13	44	0.201	0.198	1.52	0.003
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.944	174.530	0.068
0.100	60.328	172.648	0.349
0.200	122.090	172.576	0.708
0.400	242.308	171.100	1.416

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 11Aug20
Method: ethanol quant.M	Injection date: 8/11/2020 12:23:26 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\11Aug20\1.D	

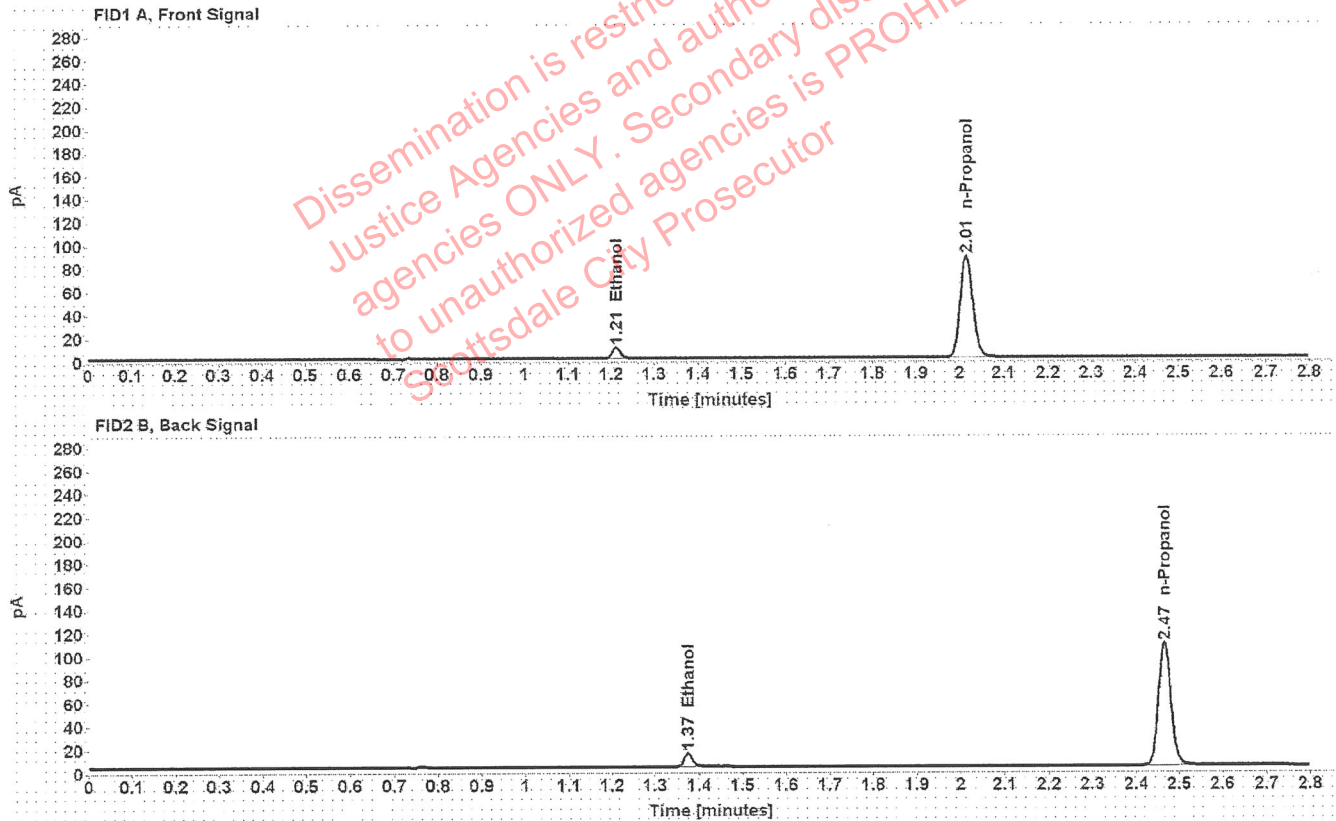


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.944
n-Propanol	2.015	174.530

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.928
n-Propanol	2.466	213.777

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN02271802	Vial:	2
Description:	0.100 calibrator	Sequence:	11Aug20
Method:	ethanol quant.M	Injection date:	8/11/2020 12:27:26 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\11Aug20\2.D		

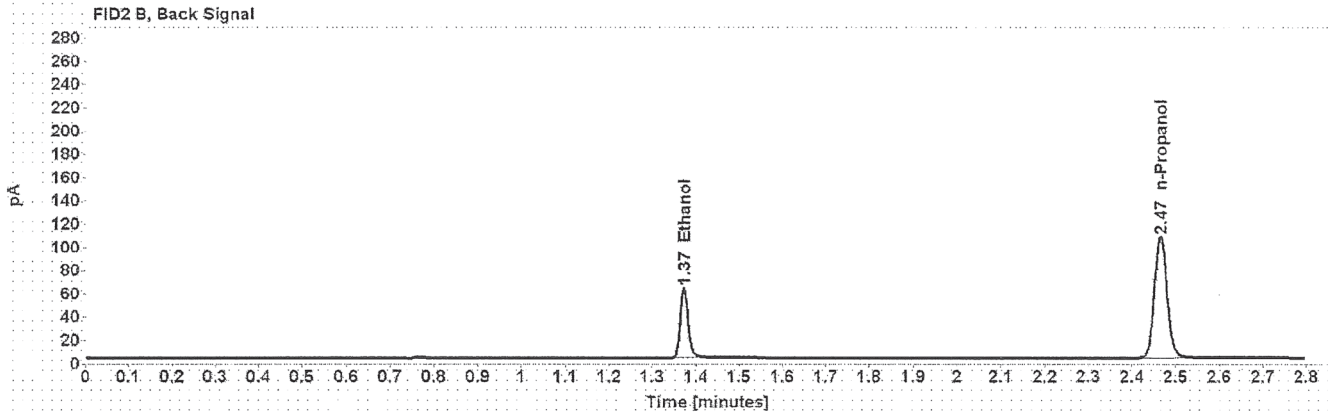
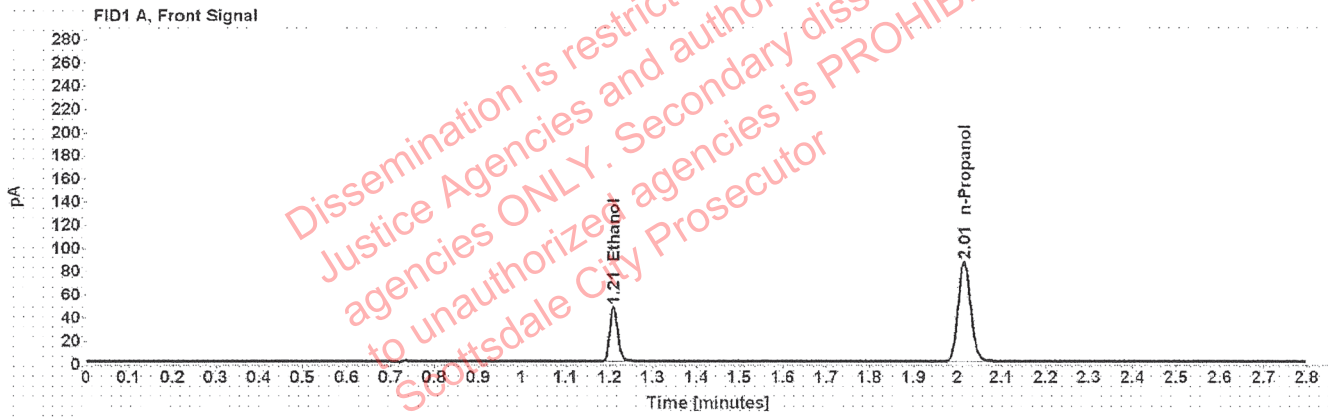


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	60.328
n-Propanol	2.015	172.648

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

Compound	Time (min)	Peak Area
Ethanol	1.373	75.431
n-Propanol	2.465	211.842

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 11Aug20
Method: ethanol quant.M	Injection date: 8/11/2020 12:31:27 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>Abbott</i>
Data file: C:\Chem32\1\Data\11Aug20\3.D	

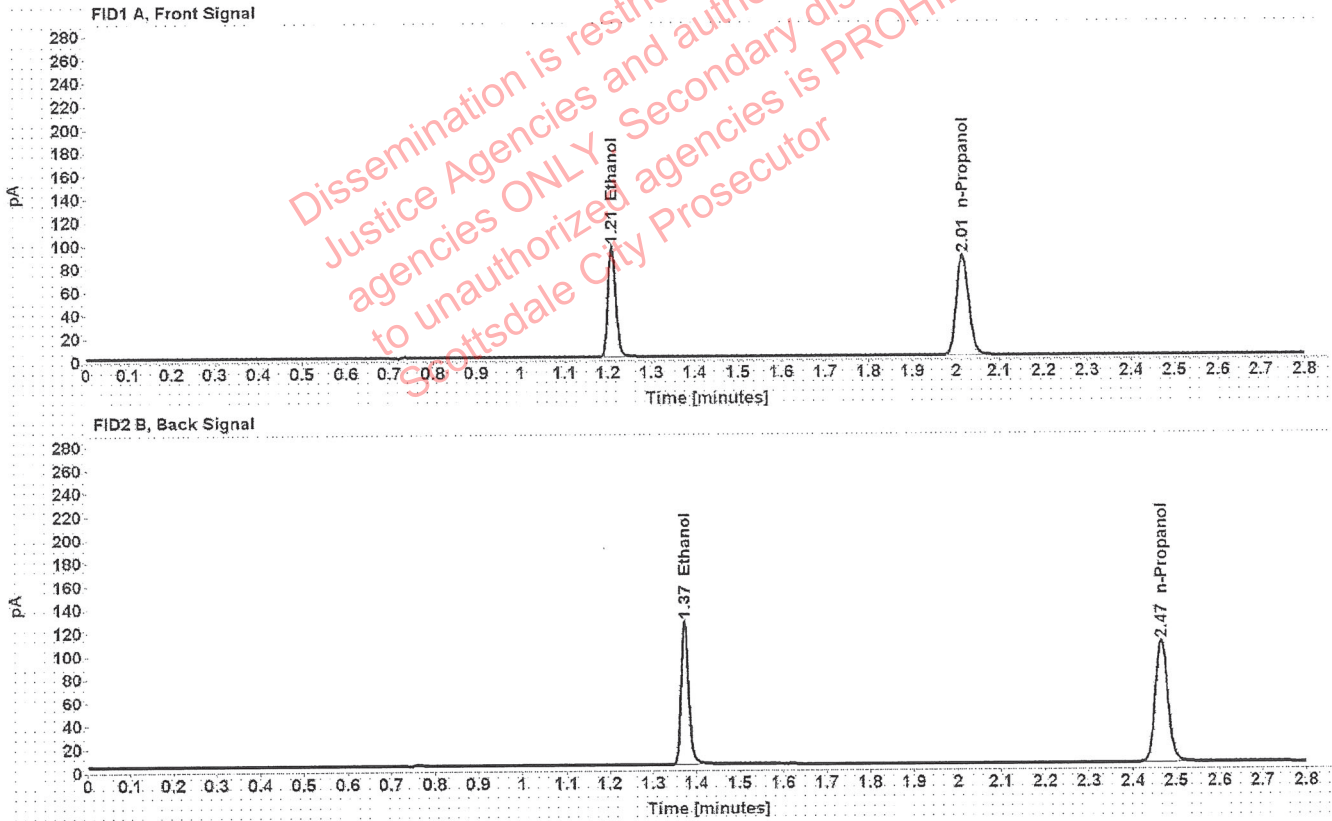


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	122.090
n-Propanol	2.015	172.576

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

Compound	Time (min)	Peak Area
Ethanol	1.373	153.112
n-Propanol	2.466	211.981

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 11Aug20
Method: ethanol quant.M	Injection date: 8/11/2020 12:35:27 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\11Aug20\4.D	

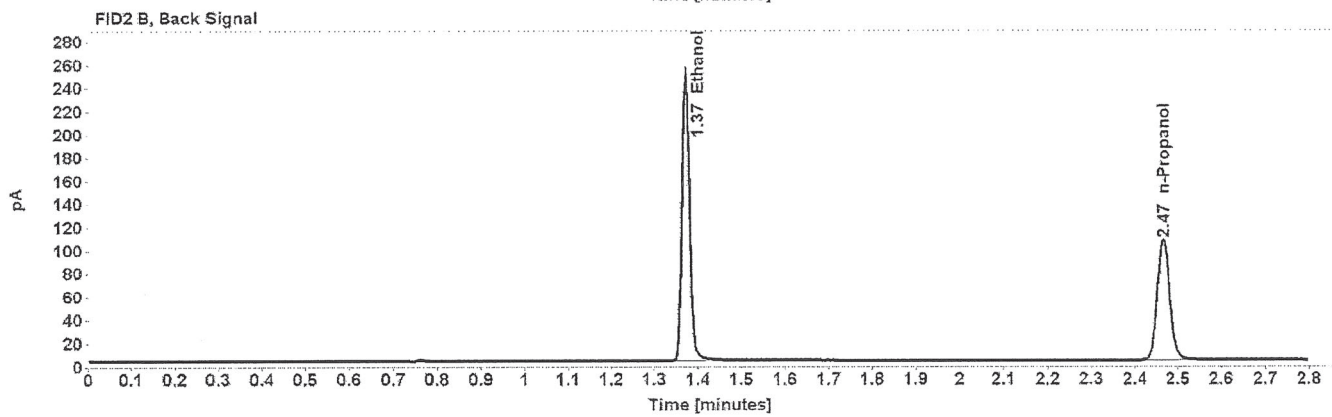
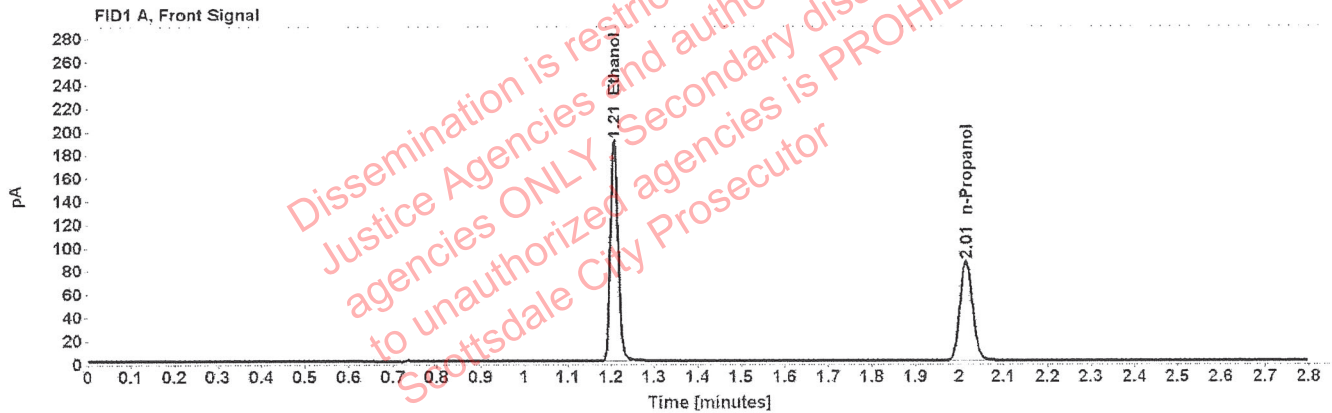


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	242.308
n-Propanol	2.015	171.100

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

Compound	Time (min)	Peak Area
Ethanol	1.372	304.857
n-Propanol	2.466	210.425

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 071420AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 12:39:26 PM
Data file: C:\Chem32\1\Data\11Aug20\5.D	Analyst: Abbott DA

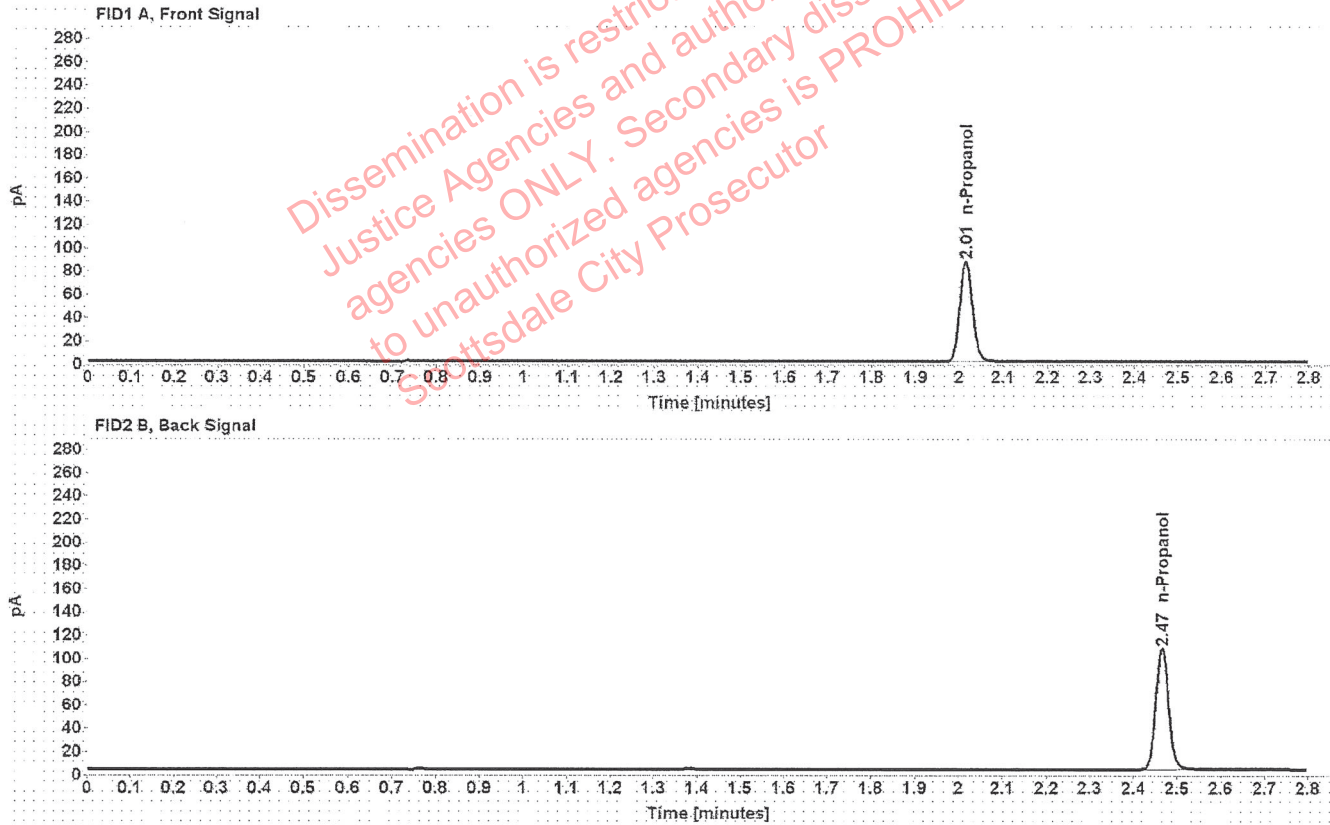


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	172.776

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	211.829

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	070819MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 12:43:26 PM
Data file:	C:\Chem32\1\Data\11Aug20\6.D	Analyst:	Abbott

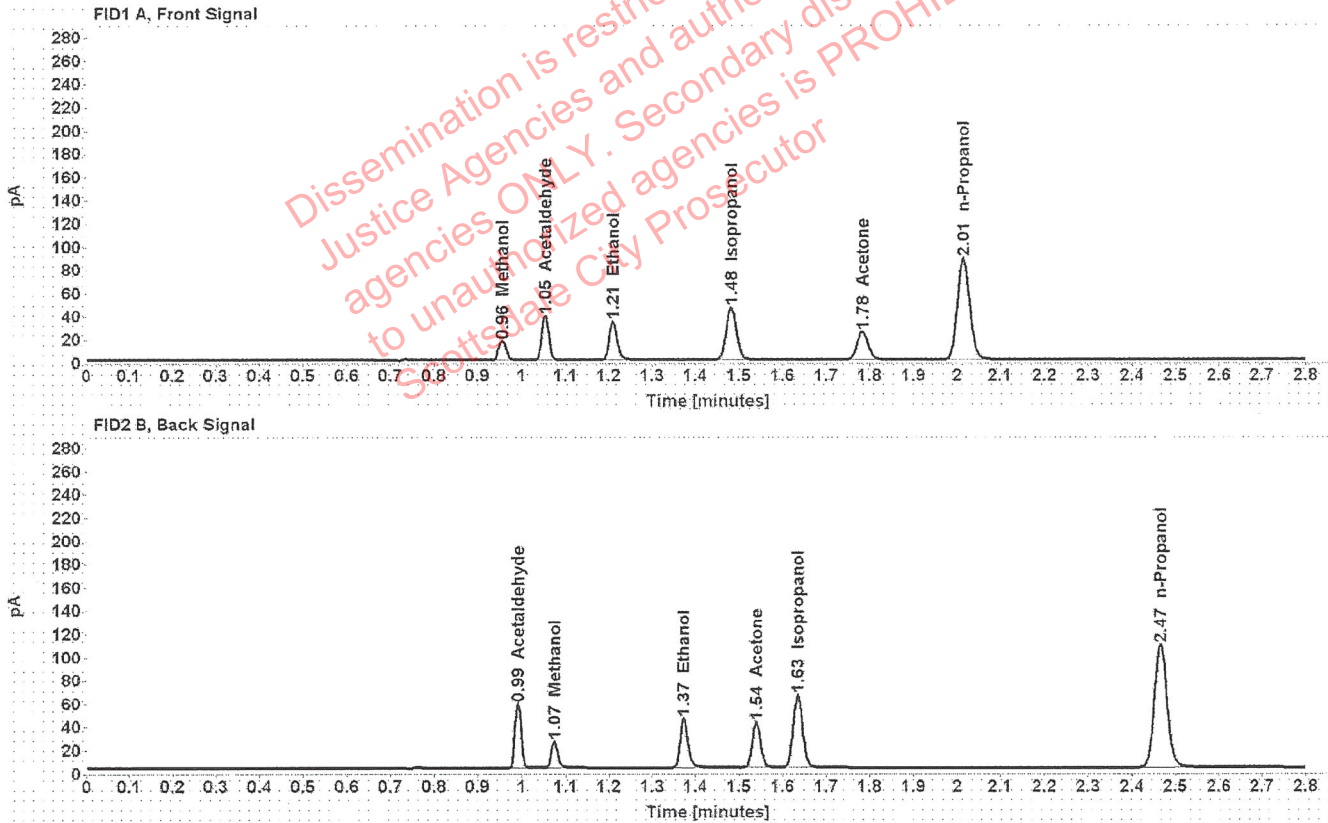


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.744
Acetaldehyde	-----	1.054	41.825
>Ethanol	0.0697	1.210	42.610
Isopropanol	-----	1.483	73.431
Acetone	-----	1.783	41.891
n-Propanol	-----	2.015	174.648

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	54.183
Methanol	1.075	24.159
Ethanol	1.373	53.264
Acetone	1.540	51.853
Isopropanol	1.635	94.082
n-Propanol	2.466	214.677

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 12:47:41 PM
Data file: C:\Chem32\11Data\11Aug20\7.D	Analyst: Abbott GA

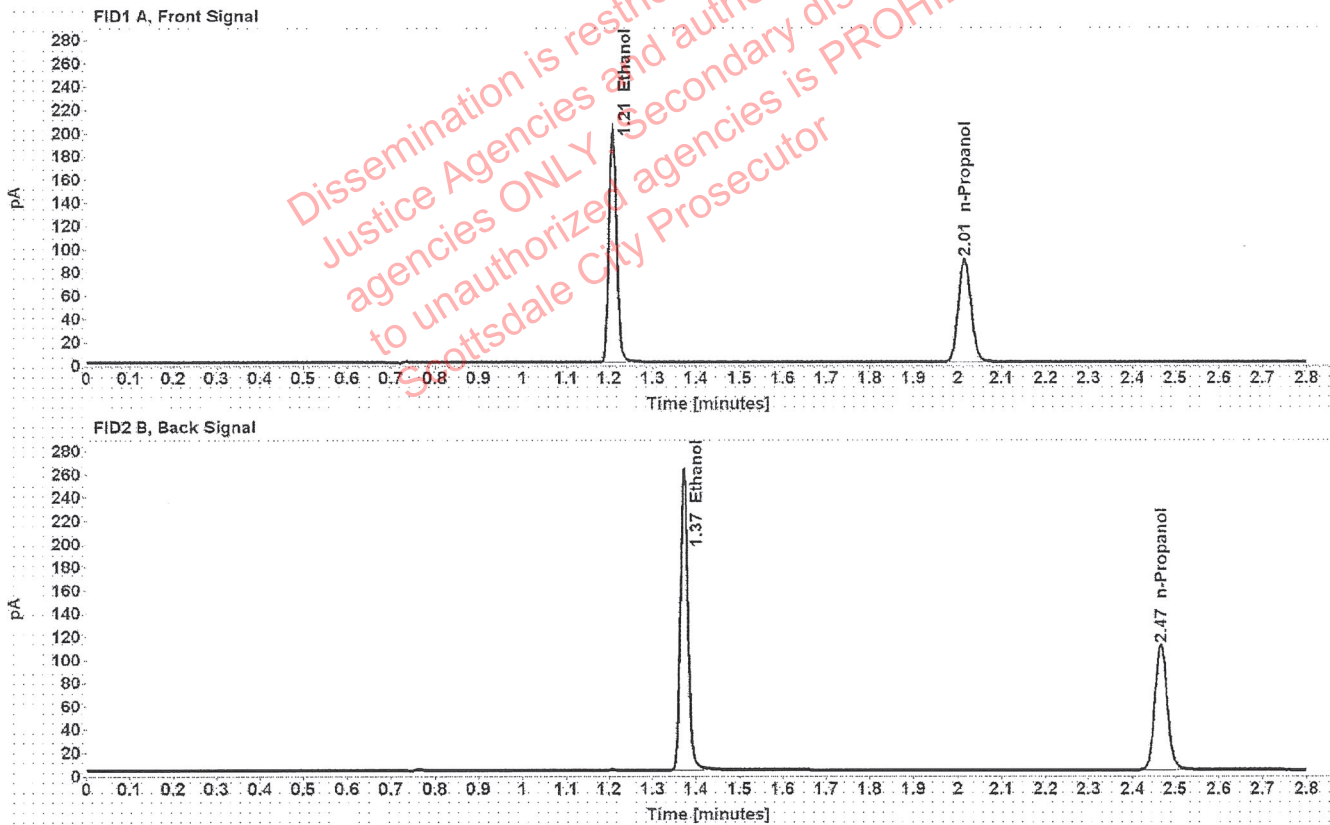


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4056	1.208	255.535
n-Propanol	-----	2.015	177.918

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

Compound	Time (min)	Peak Area
Ethanol	1.373	321.274
n-Propanol	2.466	218.635

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 12:51:42 PM
Data file: C:\Chem32\1\Data\11Aug20\8.D	Analyst: Abbott <i>JA</i>

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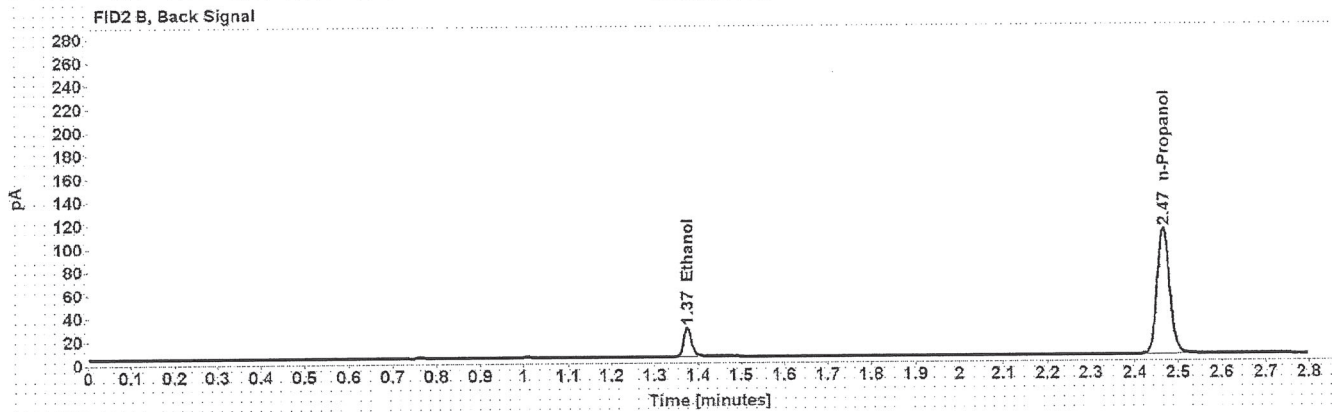


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.211	25.377
n-Propanol	-----	2.015	178.900

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

Compound	Time (min)	Peak Area
Ethanol	1.374	31.777
n-Propanol	2.466	219.344

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	407041529/13	Vial:	9
Description:	0.198	LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 12:55:42 PM
Data file:	C:\Chem32\1\Data\11Aug20\9.D	Analyst:	Abbott

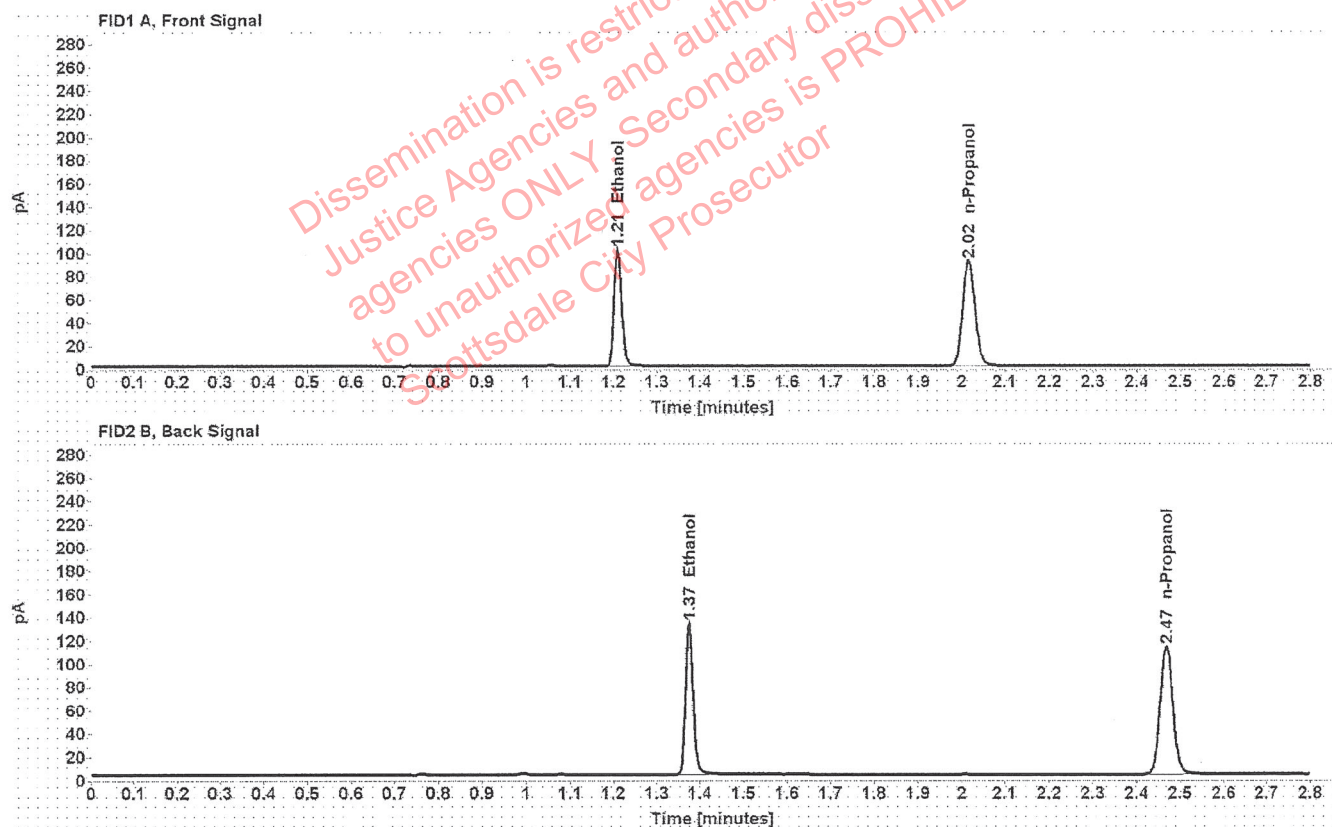


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2007	1.210	129.332
n-Propanol	-----	2.016	182.417

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

Compound	Time (min)	Peak Area
Ethanol	1.375	162.635
n-Propanol	2.468	223.992

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 1:40:11 PM
Data file: C:\Chem32\1\Data\11Aug20\20.D	Analyst: Abbott <i>JA</i>

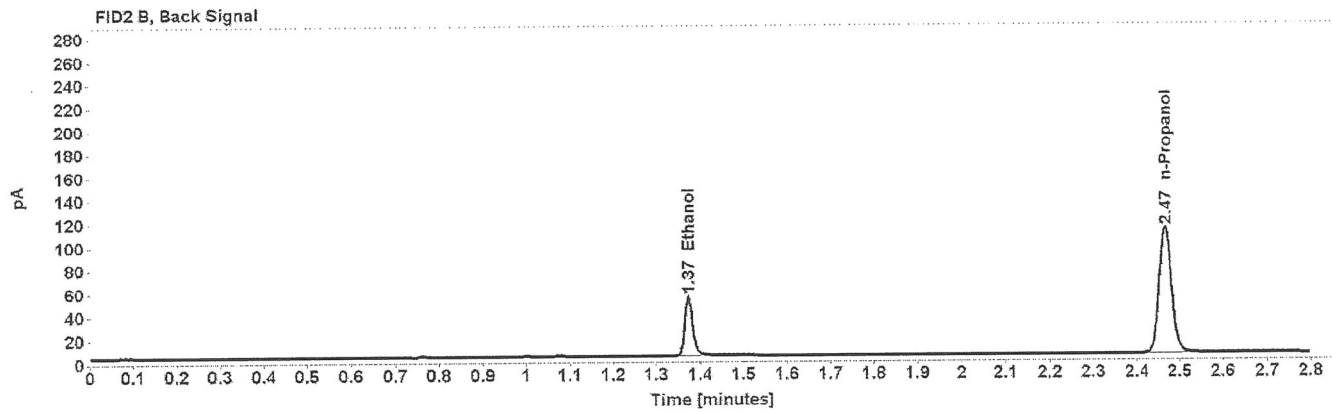
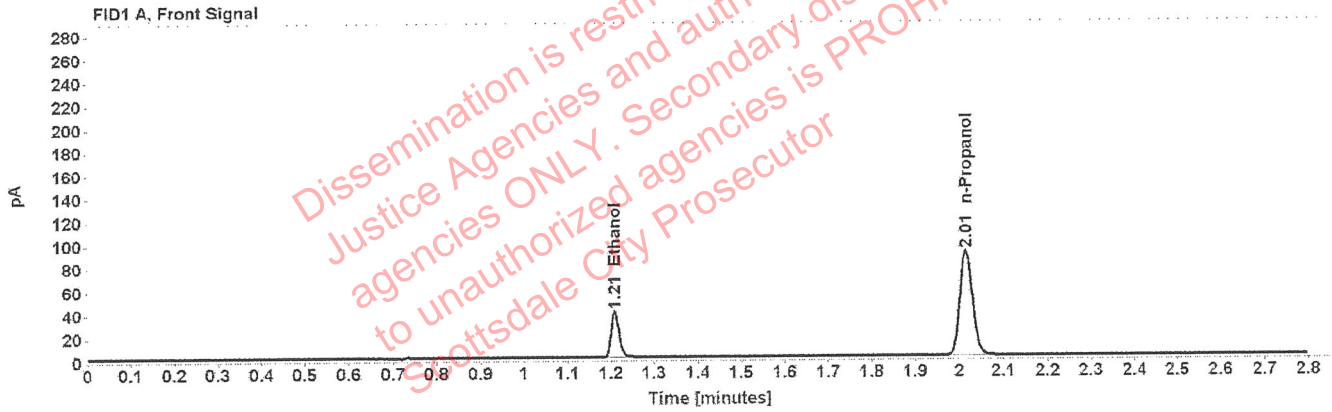


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0807	1.210	50.974
n-Propanol	-----	2.015	180.255

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

Compound	Time (min)	Peak Area
Ethanol	1.373	63.690
n-Propanol	2.466	220.783

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 2:24:41 PM
Data file: C:\Chem32\1\Data\11Aug20\31.D	Analyst: Abbott <i>MA</i>

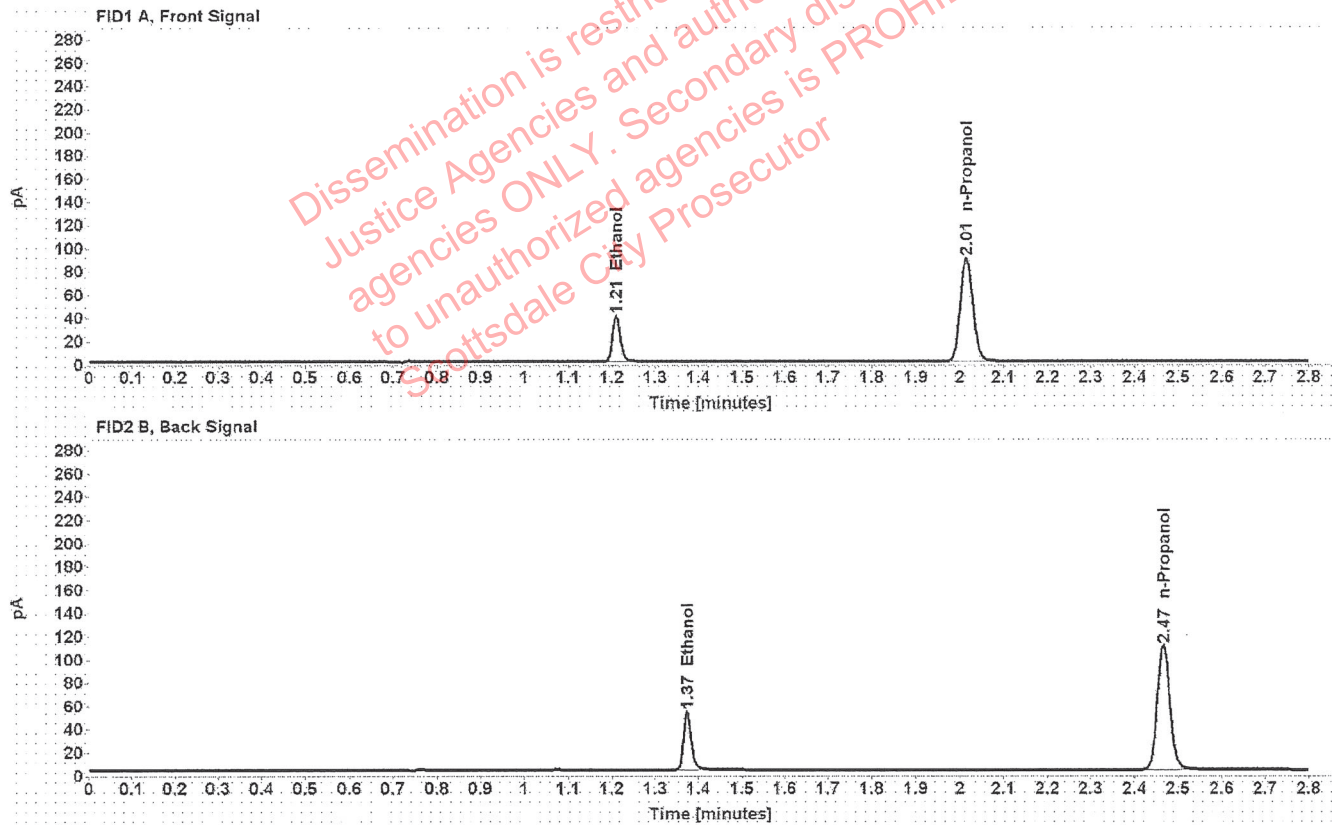


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0812	1.210	50.797
n-Propanol	-----	2.015	178.501

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.290
n-Propanol	2.466	218.329

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 3:08:57 PM
Data file: C:\Chem32\1\Data\11Aug20\42.D	Analyst: Abbott DA

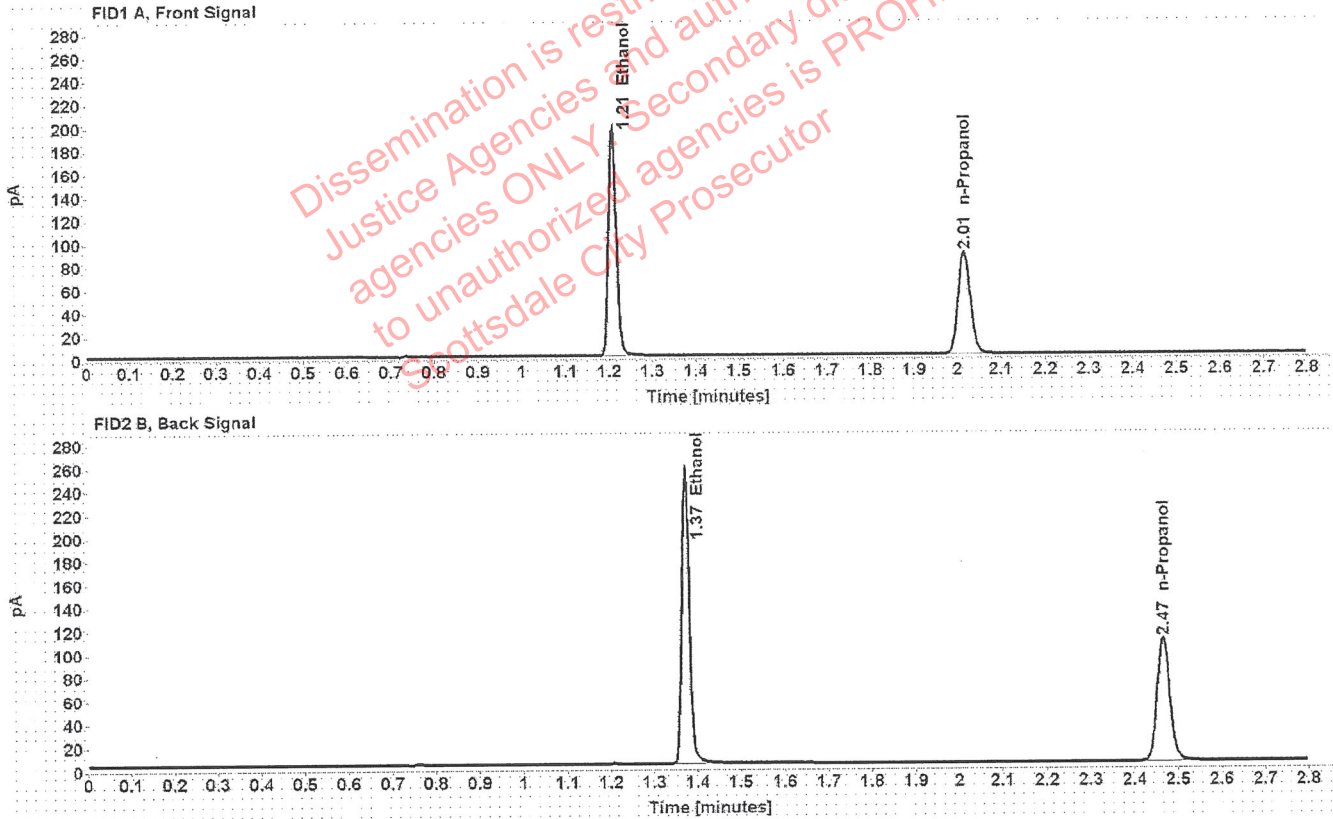


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4028	1.208	250.901
n-Propanol	-----	2.015	175.934

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

Compound	Time (min)	Peak Area
Ethanol	1.372	315.162
n-Propanol	2.466	215.837

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 3:13:11 PM
Data file: C:\Chem32\1\Data\11Aug20\43.D	Analyst: Abbott <i>DA</i>

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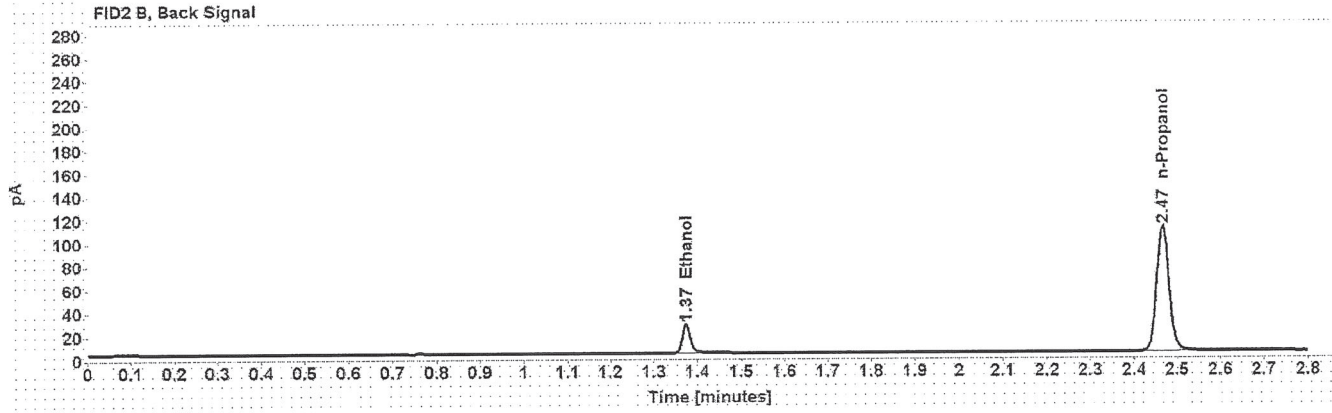
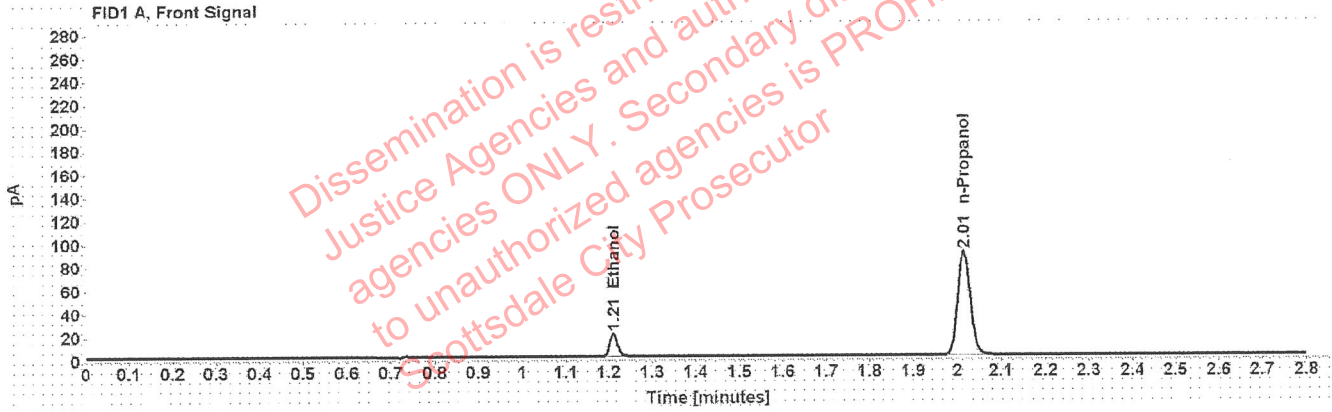


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.211	25.407
n-Propanol	-----	2.015	178.991

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

Compound	Time (min)	Peak Area
Ethanol	1.374	31.573
n-Propanol	2.466	218.840

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 3:17:12 PM
Data file: C:\Chem32\1\Data\11Aug20\44.D	Analyst: Abbott <i>RA</i>

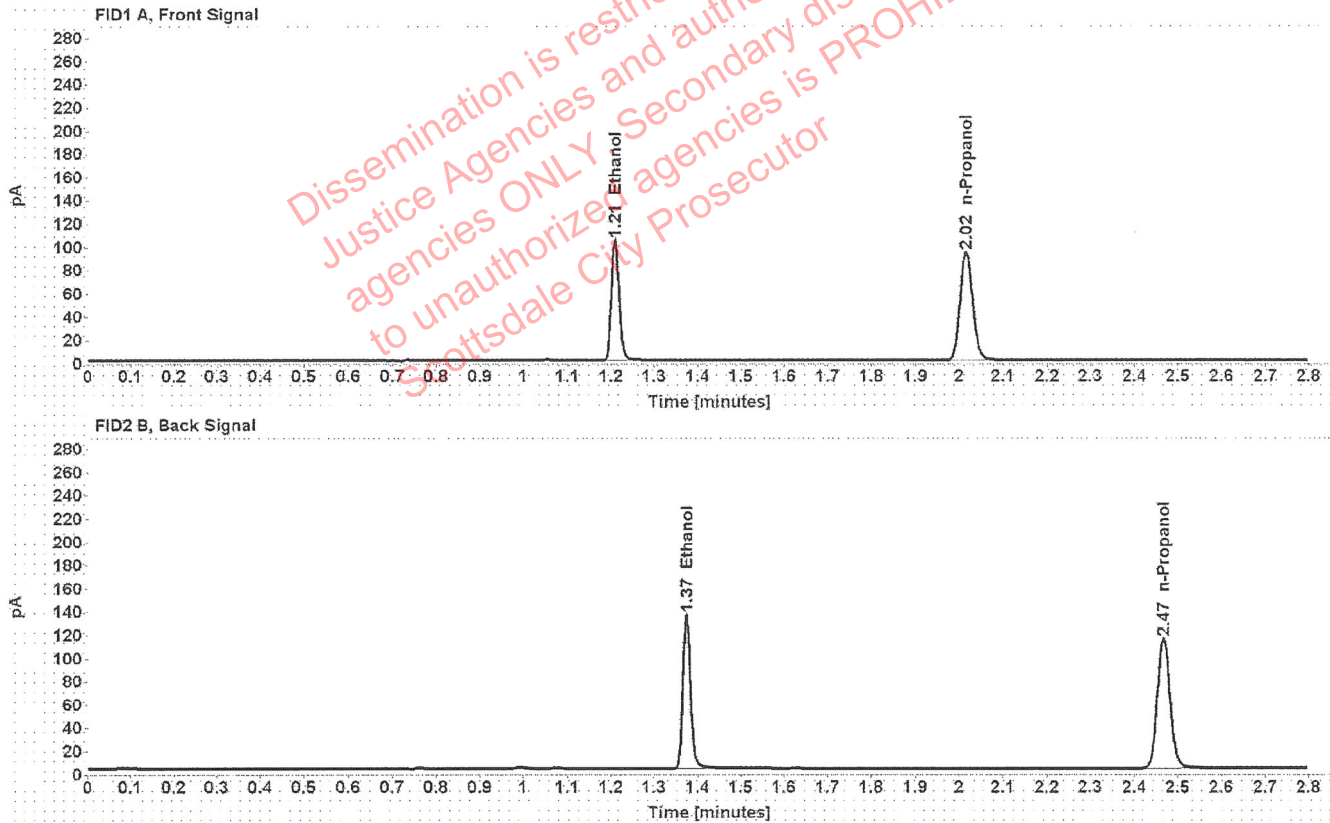


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2014	1.210	132.579
n-Propanol	-----	2.016	186.409

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

Compound	Time (min)	Peak Area
Ethanol	1.374	166.433
n-Propanol	2.468	228.480

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 11Aug20
Instrument: US14173023 CN14160045	Injection date: 8/11/2020 3:21:12 PM
Data file: C:\Chem32\1\Data\11Aug20\45.D	Analyst: Abbott <i>da</i>

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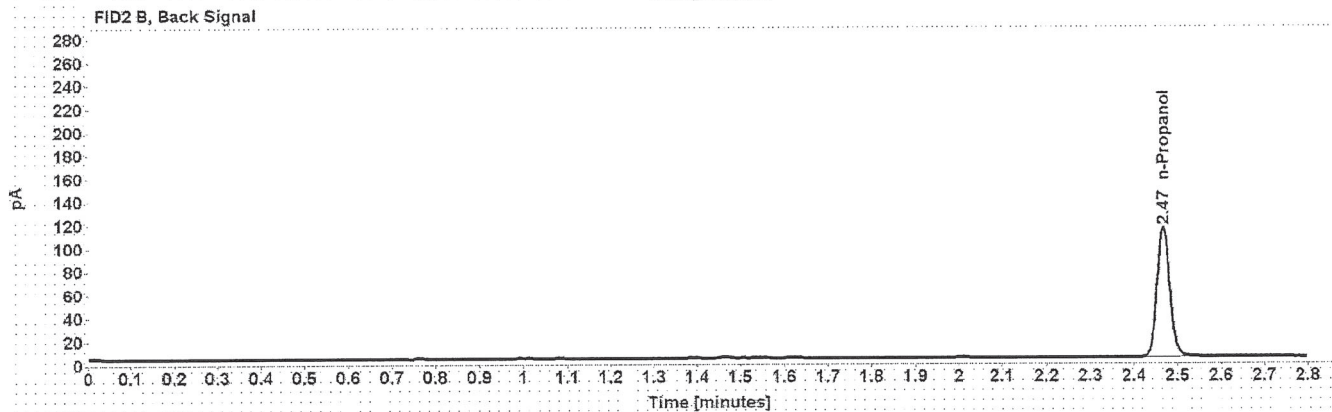
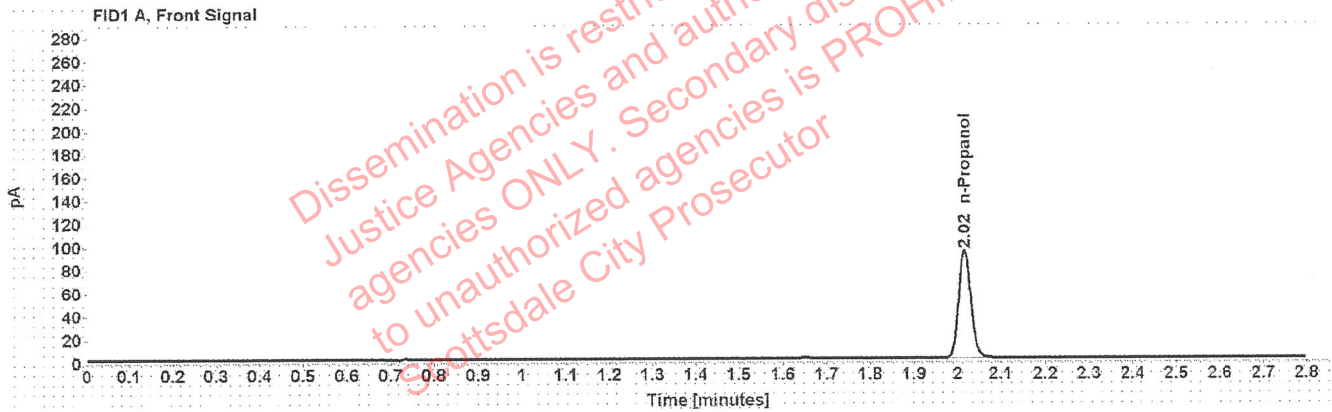



Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	185.865

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	227.459

Sequence Summary

Sequence name: 11Aug20 Instrument: US14173023 CN14160045 Analyst: Abbott 

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	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	1332160		Sample		ethanol quant.M
11	1332160		Sample		ethanol quant.M
12	1331087		Sample		ethanol quant.M
13	1331087		Sample		ethanol quant.M
14	1331333		Sample		ethanol quant.M
15	1331333		Sample		ethanol quant.M
16	1331525		Sample		ethanol quant.M
17	1331525		Sample		ethanol quant.M
18	1331112		Sample		ethanol quant.M
19	1331112		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1292642		Sample		ethanol quant.M
22	1292642		Sample		ethanol quant.M
23	1298169		Sample		ethanol quant.M
24	1298169		Sample		ethanol quant.M
25	1331343		Sample		ethanol quant.M
26	1331343		Sample		ethanol quant.M
27	1331949		Sample		ethanol quant.M
28	1331949		Sample		ethanol quant.M
29	1331288		Sample		ethanol quant.M
30	1331288		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1332410		Sample		ethanol quant.M
33	1332410		Sample		ethanol quant.M
34	1332535		Sample		ethanol quant.M
35	1332535		Sample		ethanol quant.M
36	1333094		Sample		ethanol quant.M
37	1333094		Sample		ethanol quant.M
38	1333399		Sample		ethanol quant.M
39	1333399		Sample		ethanol quant.M
40	1333317		Sample		ethanol quant.M
41	1333317		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: 11Aug20

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0000	0.0000	0.00000	0.00	0.00000
12 13	0.2892	0.2910	0.29010	0.31	0.00090
14 15	0.1437	0.1447	0.14420	0.35	0.00050
16 17	0.1358	0.1365	0.13615	0.26	0.00035
18 19	0.2478	0.2466	0.24720	0.24	0.00060
21 22	0.1315	0.1306	0.13105	0.34	0.00045
23 24	0.1147	0.1168	0.11575	0.91	0.00105
25 26	0.0732	0.0725	0.07285	0.48	0.00035
27 28	0.3340	0.3361	0.33505	0.31	0.00105
29 30	0.2585	0.2571	0.25780	0.27	0.00070
32 33	0.0766	0.0761	0.07635	0.33	0.00025
34 35	0.1324	0.1320	0.13220	0.15	0.00020
36 37	0.1980	0.2006	0.19930	0.65	0.00130
38 39	0.0000	0.0000	0.00000	0.00	0.00000
40 41	0.2656	0.2700	0.26780	0.82	0.00220

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1332160	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 12:59:42 PM
Data file:	C:\Chem32\1\Data\11Aug20\10.D	Analyst:	Abbott

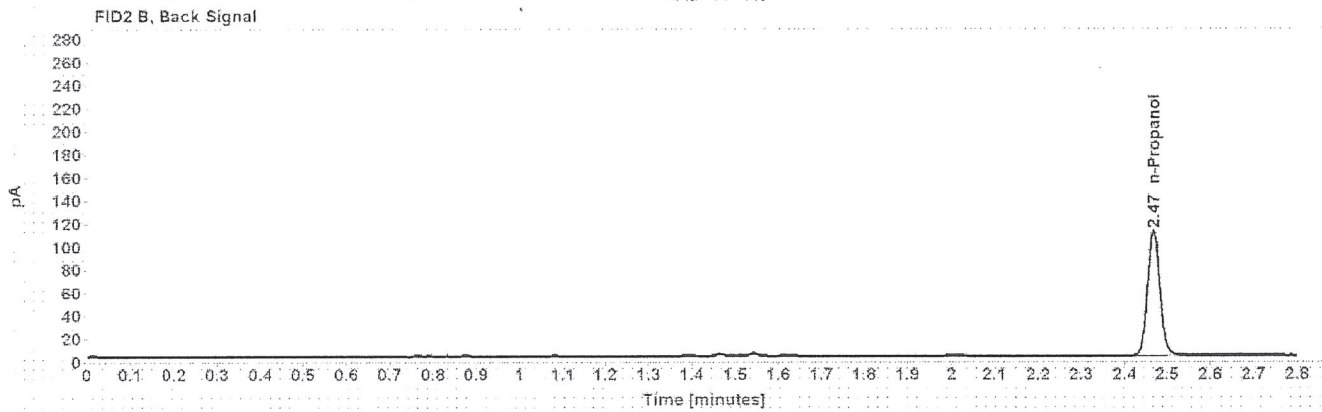
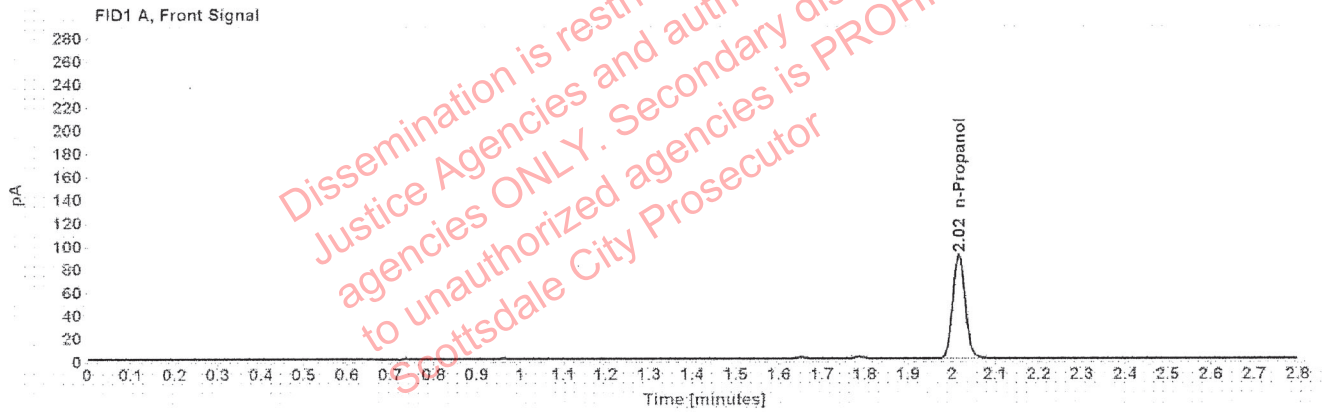


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	179.550

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	220.751

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1332160	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:03:41 PM
Data file:	C:\Chem32\1\Data\11Aug20\11.D	Analyst:	Abbott

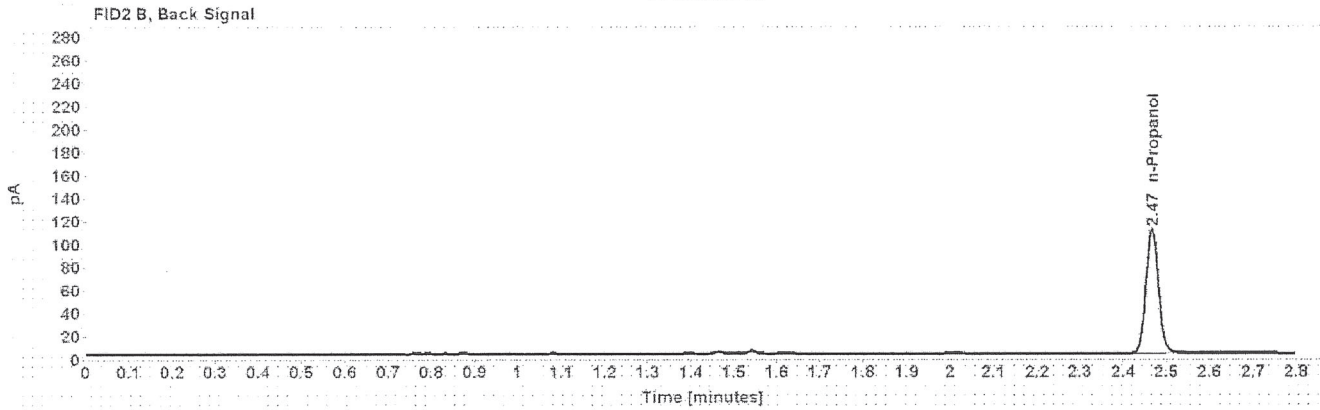
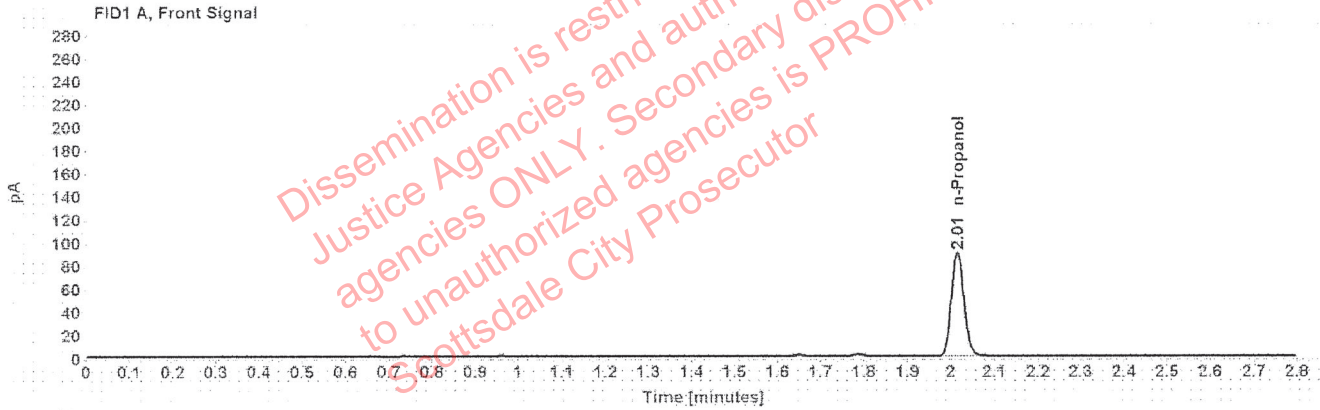


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	178.845

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	219.856

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331087	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:07:42 PM
Data file:	C:\Chem32\1\Data\11Aug20\12.D	Analyst:	Abbott

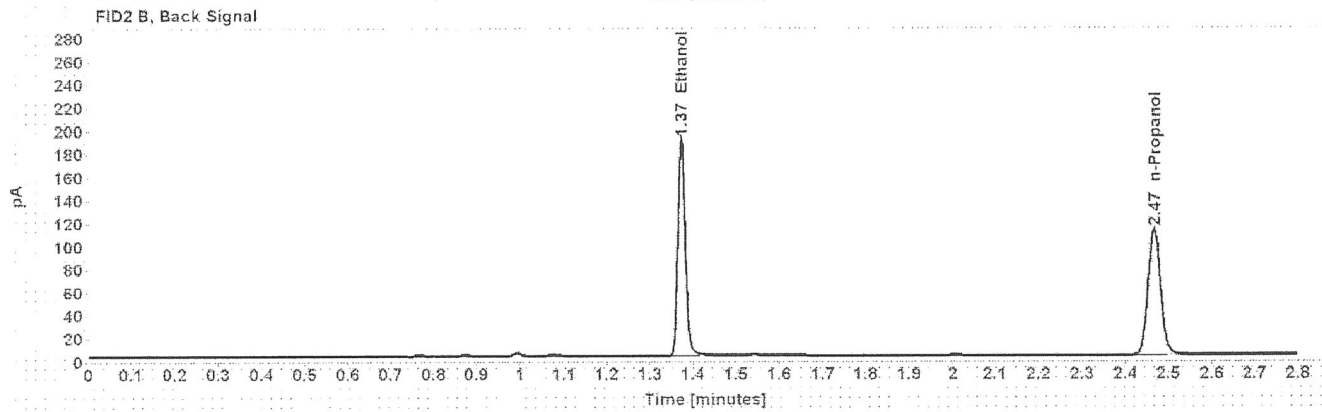
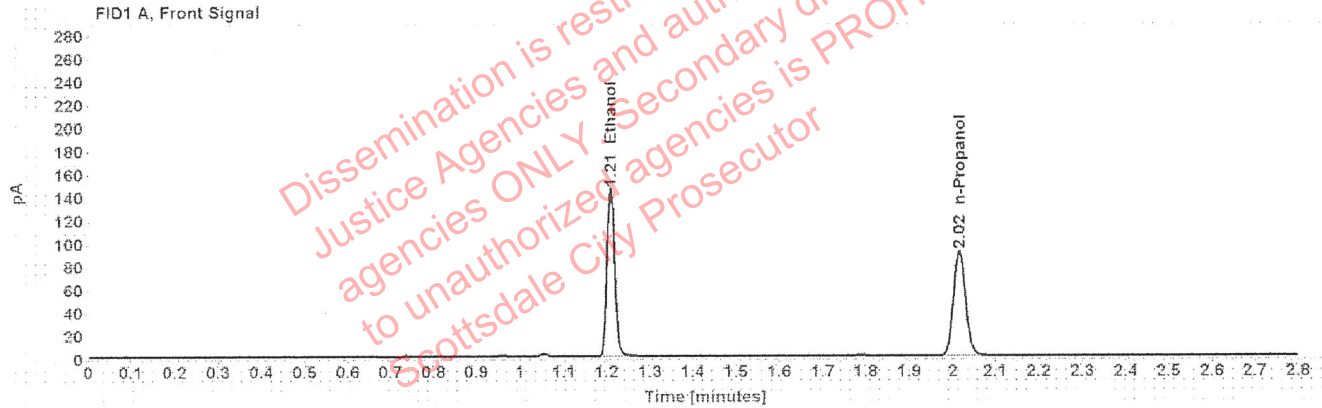


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2892	1.209	185.369
n-Propanol	-----	2.015	181.178

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

Compound	Time (min)	Peak Area
Ethanol	1.373	232.741
n-Propanol	2.467	222.228

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331087	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:11:58 PM
Data file:	C:\Chem32\1\Data\11Aug20\13.D	Analyst:	Abbott

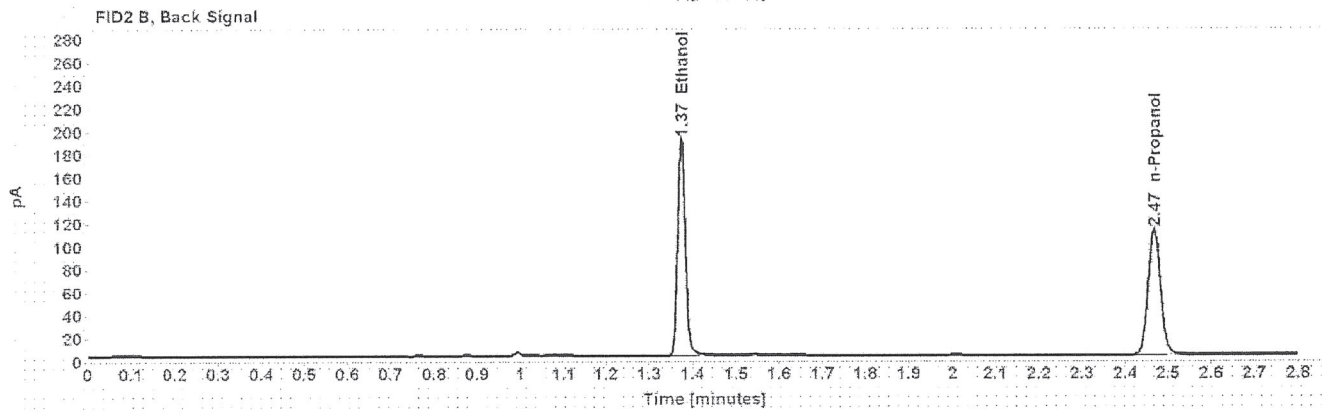
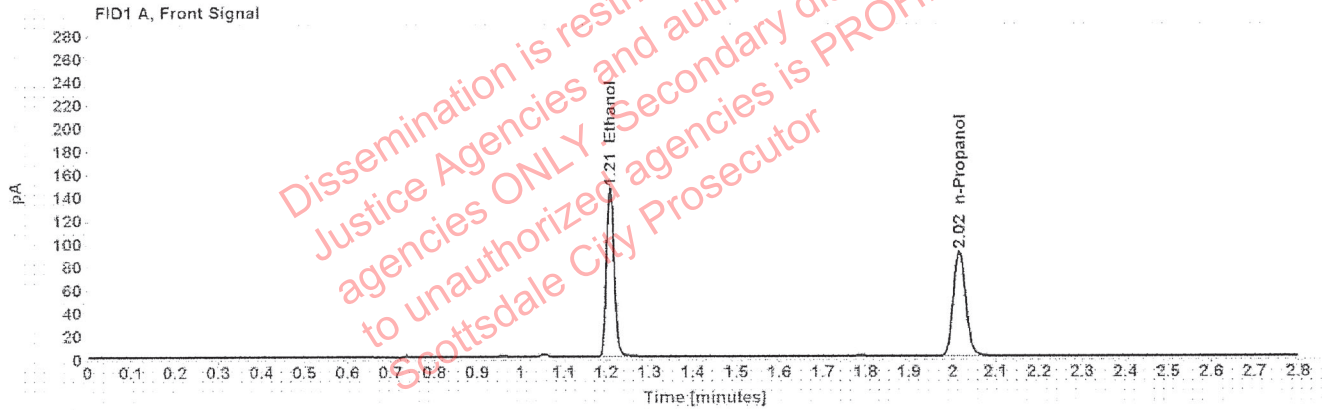


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2910	1.209	186.472
n-Propanol	-----	2.015	181.143

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

Compound	Time (min)	Peak Area
Ethanol	1.374	233.831
n-Propanol	2.467	221.837

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331333	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:15:56 PM
Data file:	C:\Chem32\1\Data\11Aug20\14.D	Analyst:	Abbott

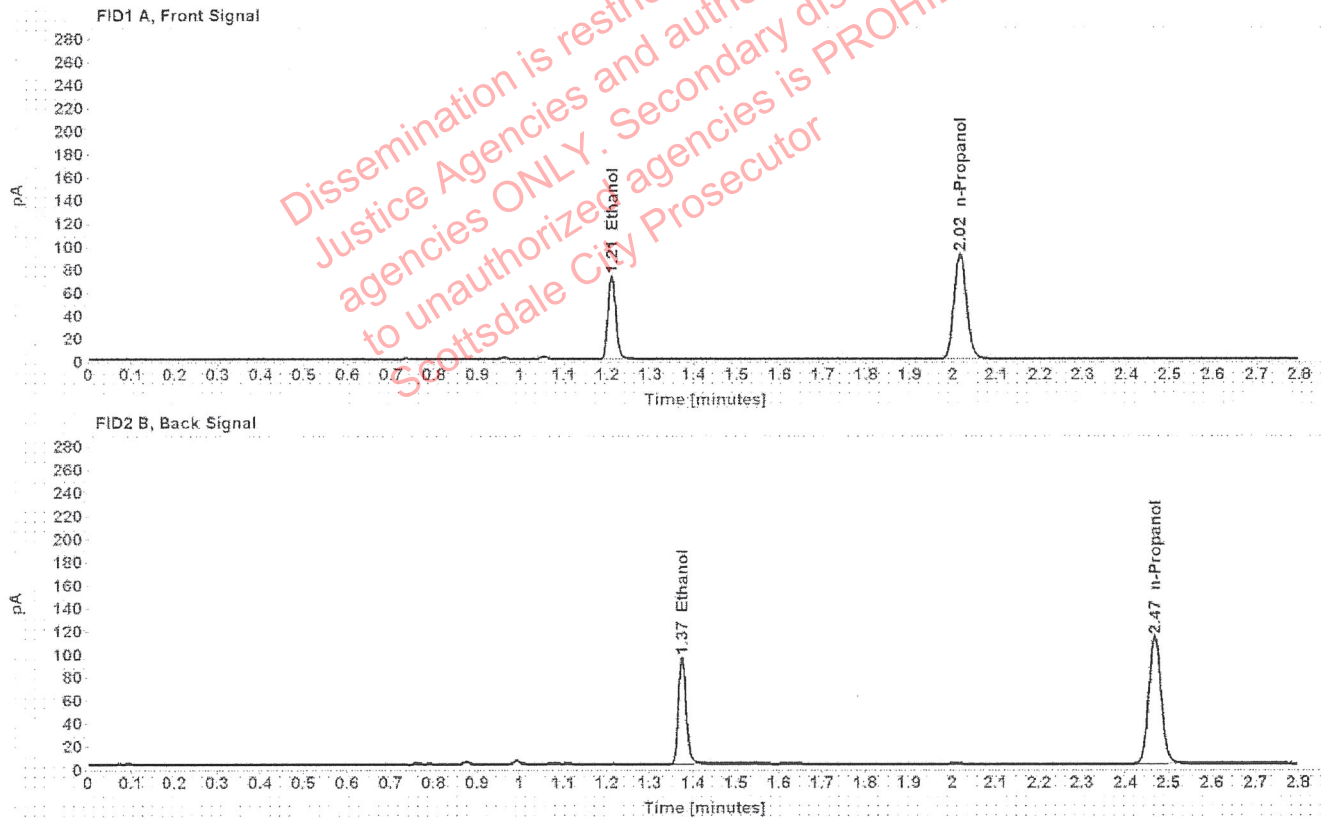


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1437	1.210	92.696
n-Propanol	-----	2.016	183.066

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

Compound	Time (min)	Peak Area
Ethanol	1.375	115.773
n-Propanol	2.467	224.389

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331333	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:19:58 PM
Data file:	C:\Chem32\1\Data\11Aug20\15.D	Analyst:	Abbott

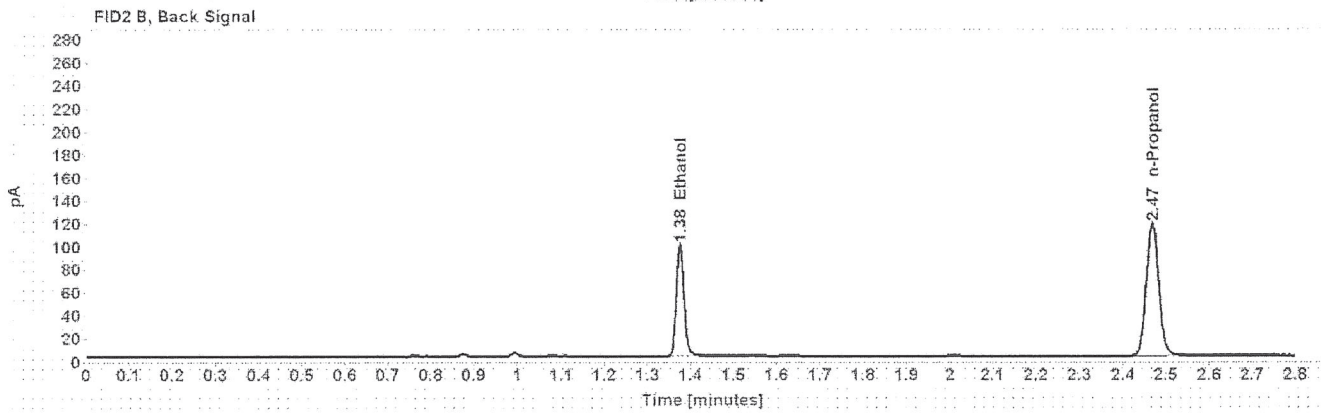
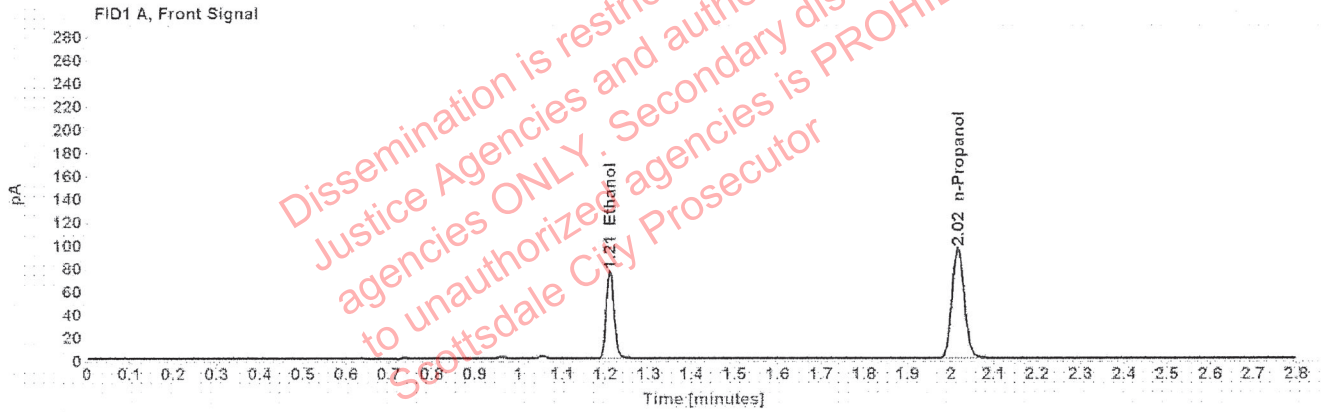


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1447	1.210	97.312
n-Propanol	-----	2.016	190.822

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

Compound	Time (min)	Peak Area
Ethanol	1.375	121.445
n-Propanol	2.468	233.920

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331525	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:23:56 PM
Data file:	C:\Chem32\1\Data\11Aug20\16.D	Analyst:	Abbott

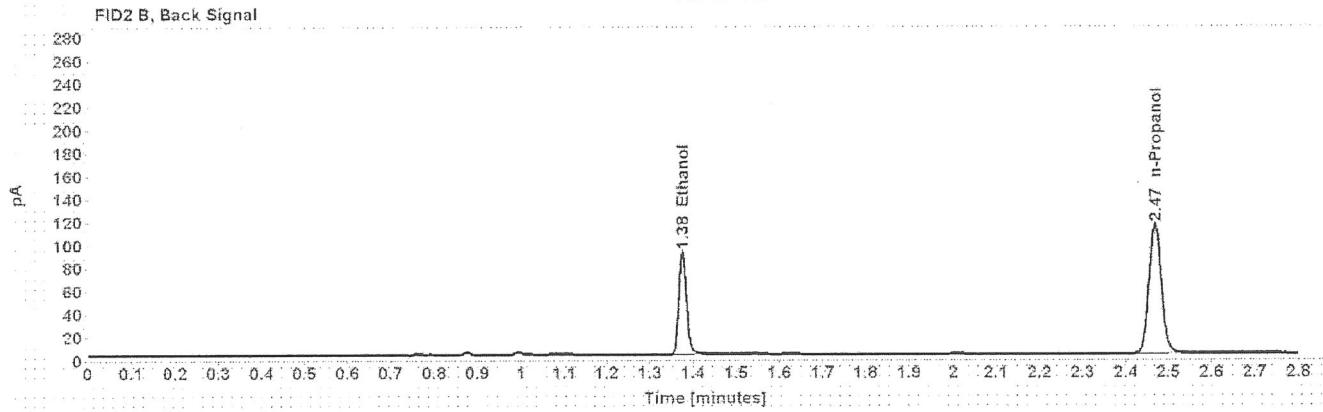
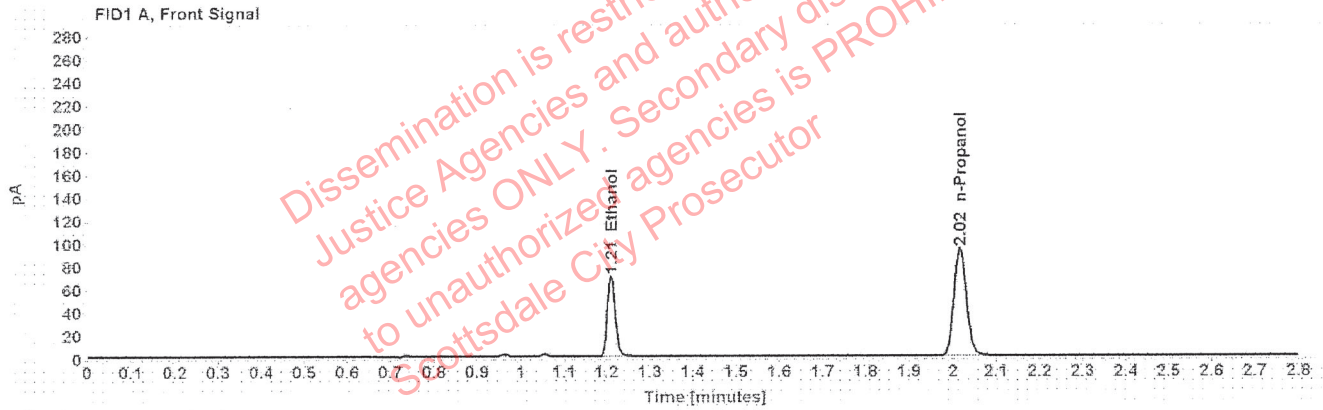


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1358	1.210	89.331
n-Propanol	-----	2.016	186.761

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

Compound	Time (min)	Peak Area
Ethanol	1.375	111.815
n-Propanol	2.468	228.767

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331525	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:27:58 PM
Data file:	C:\Chem32\11\Data\11Aug20\17.D	Analyst:	Abbott

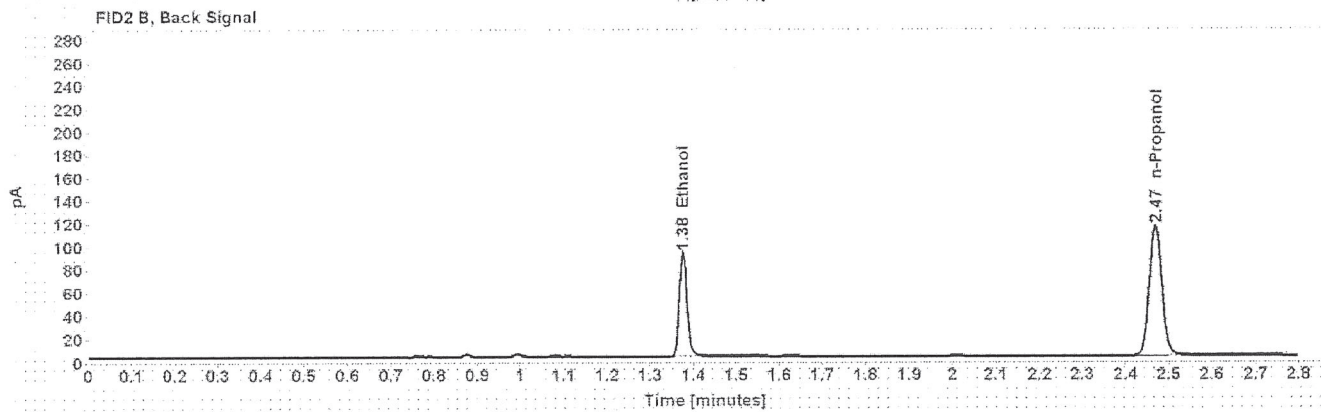
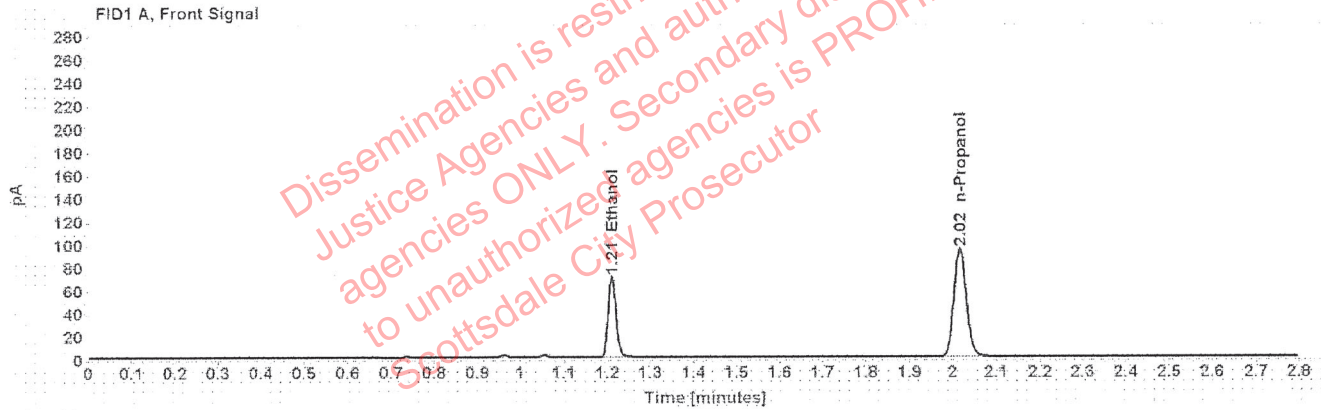


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1365	1.211	90.113
n-Propanol	-----	2.016	187.419

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

Compound	Time (min)	Peak Area
Ethanol	1.375	112.438
n-Propanol	2.468	229.458

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331112	Vial:	18
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:31:56 PM
Data file:	C:\Chem32\1\Data\11Aug20\18.D	Analyst:	Abbott

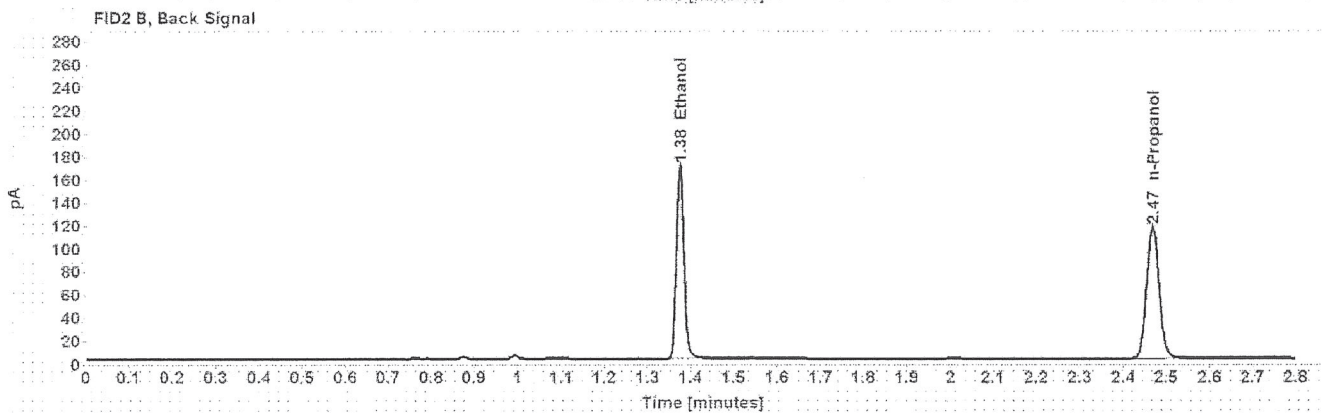
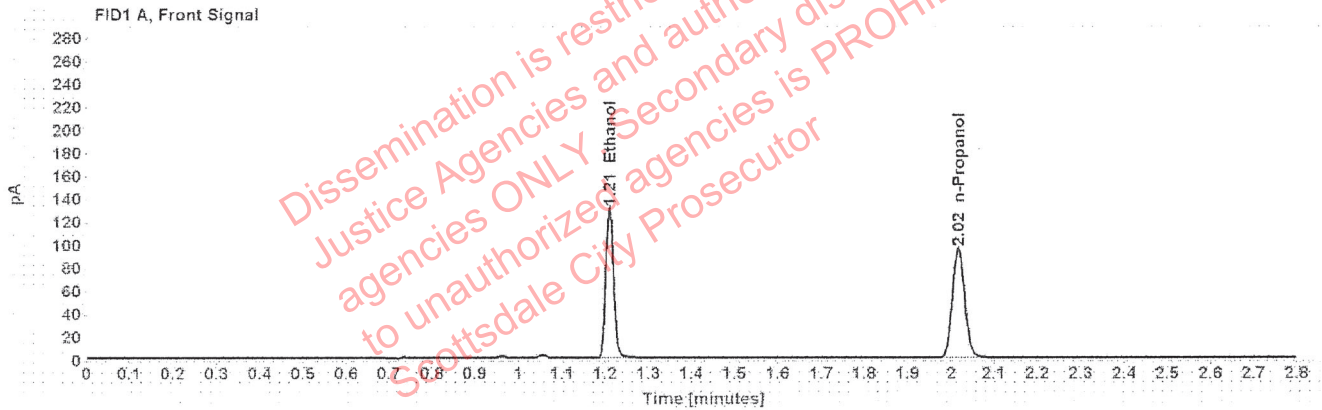


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2478	1.210	166.440
n-Propanol	-----	2.016	190.027

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

Compound	Time (min)	Peak Area
Ethanol	1.375	208.766
n-Propanol	2.468	232.943

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331112	Vial:	19
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:36:13 PM
Data file:	C:\Chem32\1\Data\11Aug20\19.D	Analyst:	Abbott

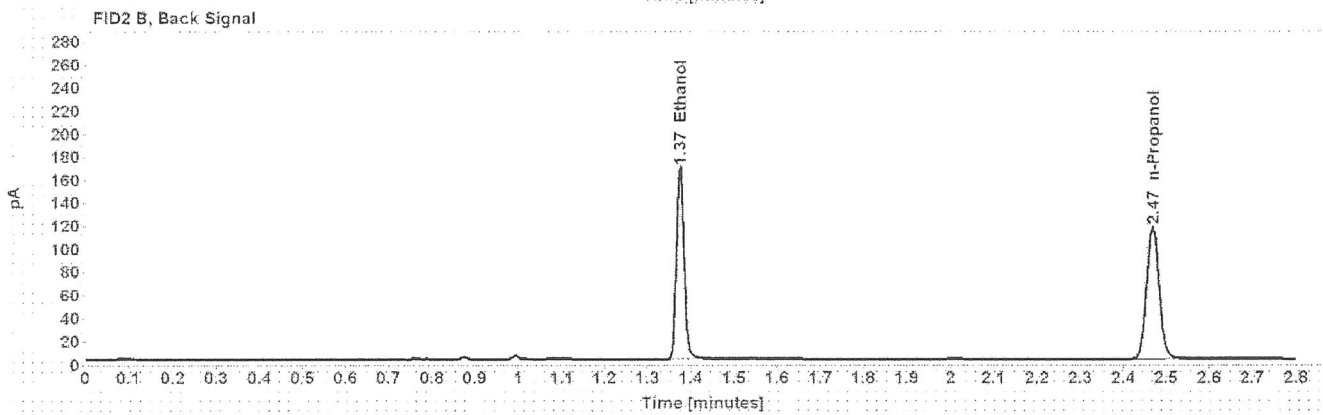
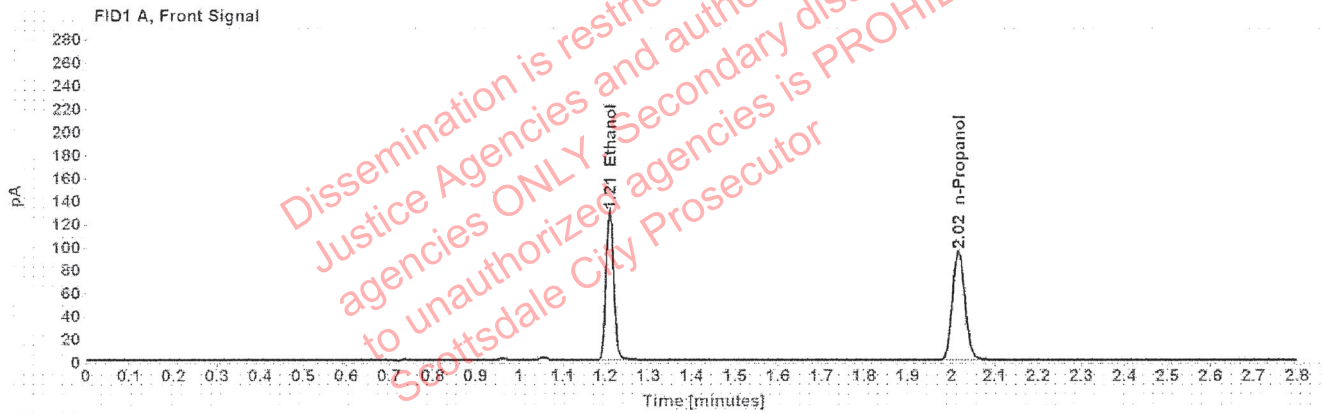


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2466	1.210	165.339
n-Propanol	-----	2.016	189.675

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

Compound	Time (min)	Peak Area
Ethanol	1.375	207.102
n-Propanol	2.468	232.475

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292642	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:44:11 PM
Data file:	C:\Chem32\1\Data\11Aug20\21.D	Analyst:	Abbott

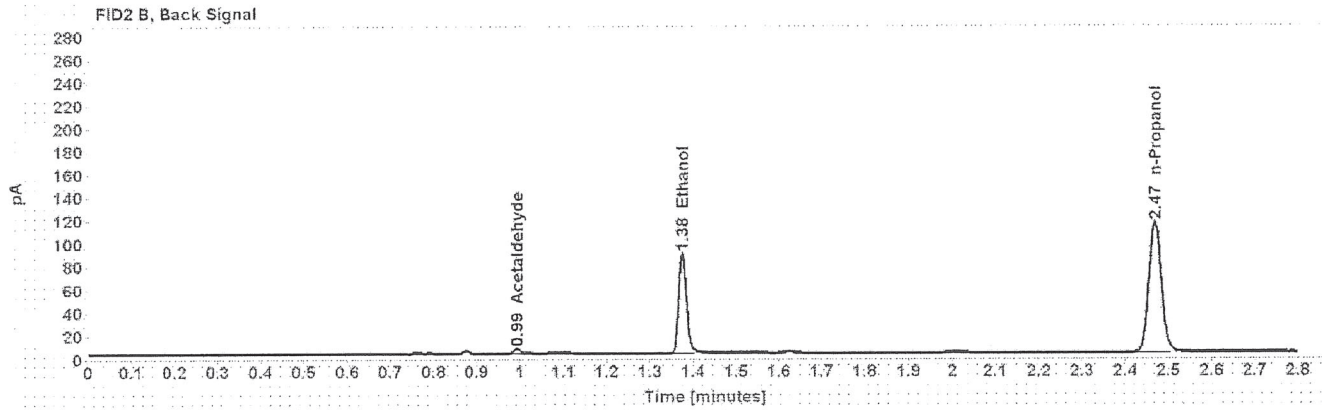
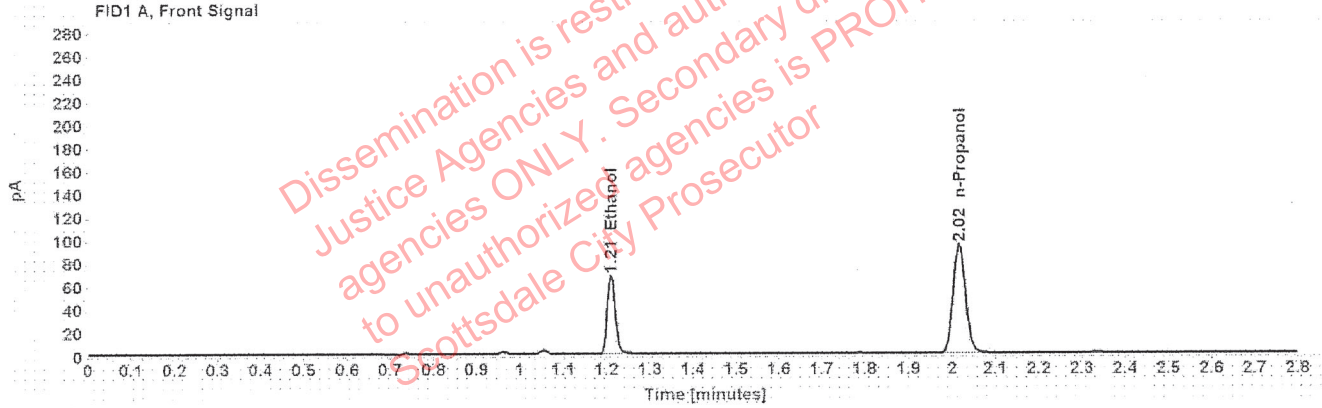


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1315	1.210	86.664
n-Propanol	-----	2.016	187.127

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.149
Ethanol	1.375	108.333
n-Propanol	2.468	230.075

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292642	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:48:11 PM
Data file:	C:\Chem32\1\Data\11Aug20\22.D	Analyst:	Abbott

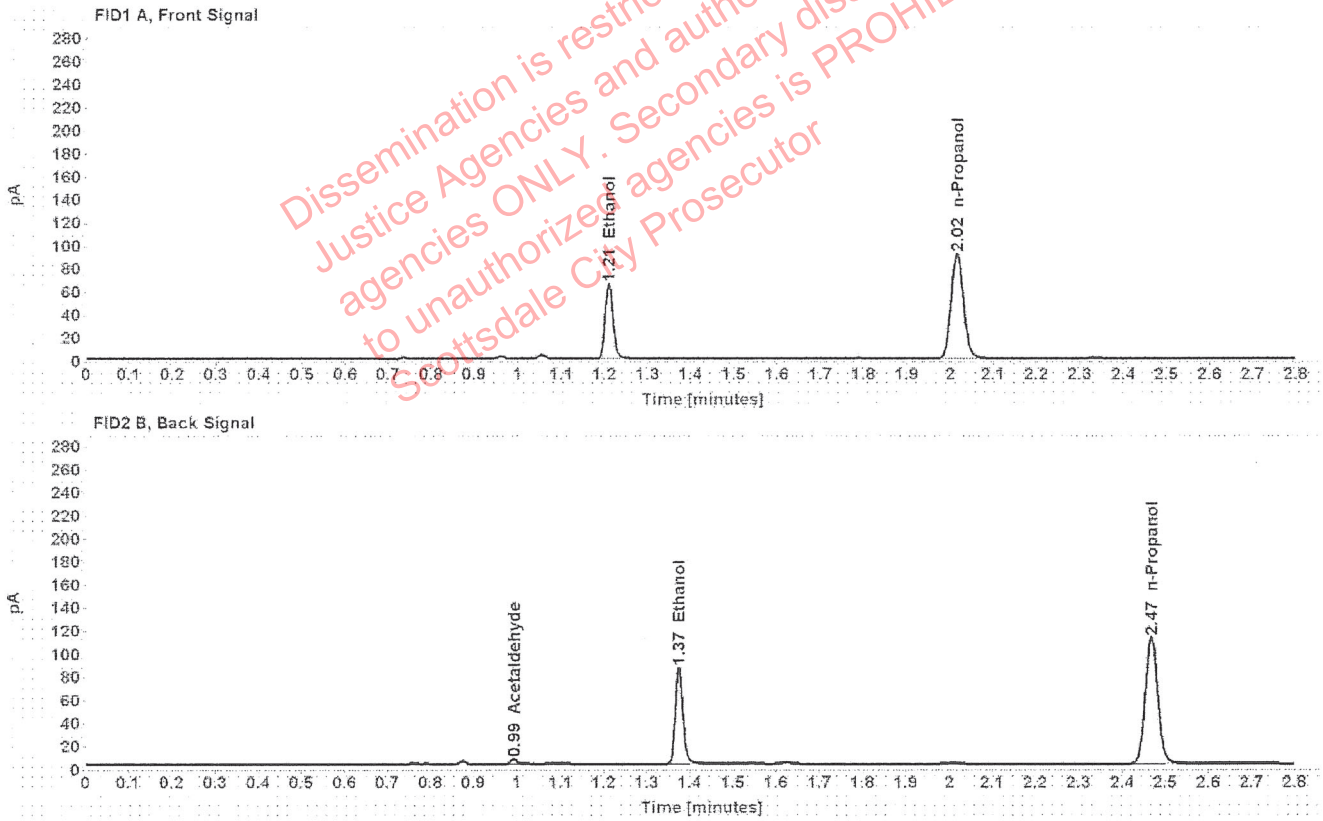


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1306	1.210	83.561
n-Propanol	-----	2.016	181.641

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.210
Ethanol	1.374	104.435
n-Propanol	2.467	223.121

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298169	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:52:12 PM
Data file:	C:\Chem32\1\Data\11Aug20\23.D	Analyst:	Abbott

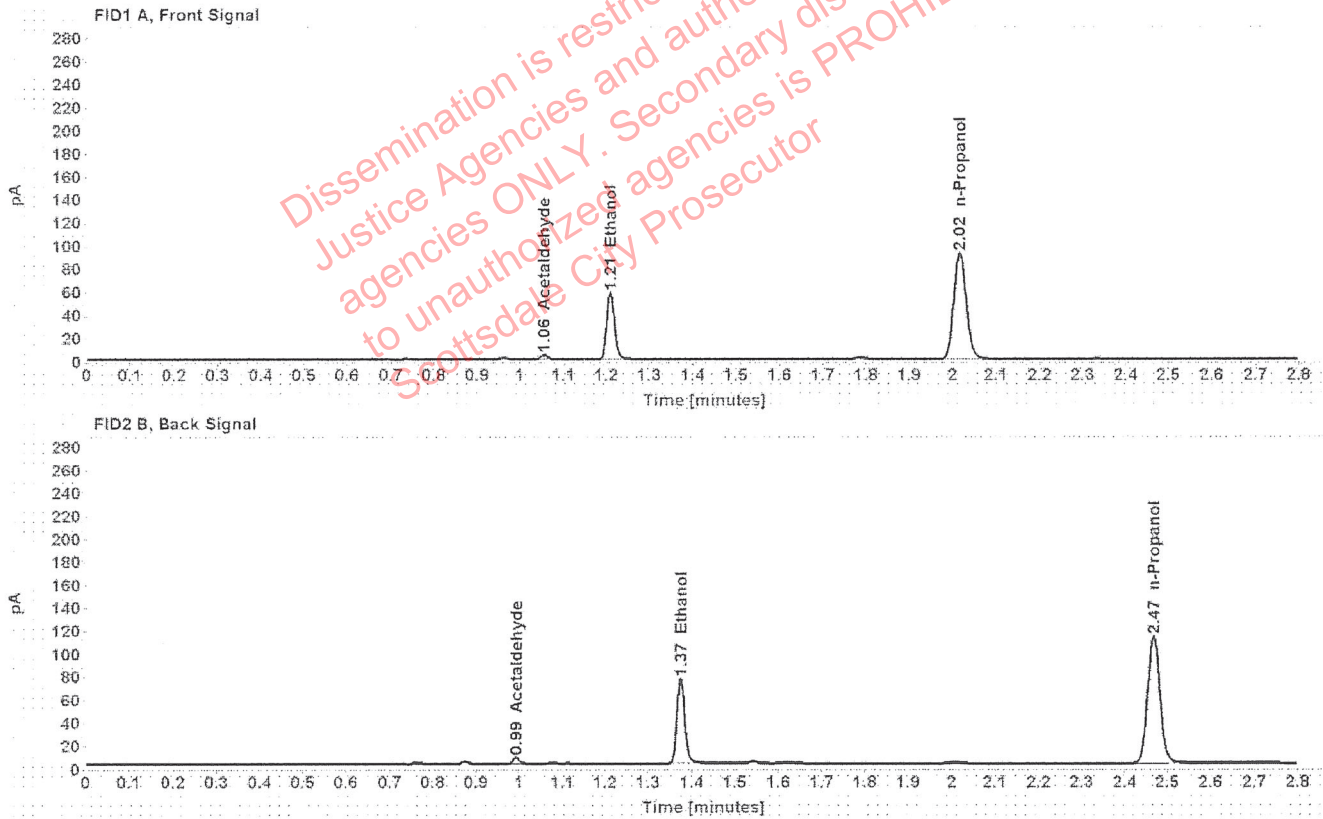


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.871
>Ethanol	0.1147	1.210	74.005
n-Propanol	-----	2.016	183.327

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.093
Ethanol	1.374	92.094
n-Propanol	2.467	225.327

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298169	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 1:56:11 PM
Data file:	C:\Chem32\1\Data\11Aug20\24.D	Analyst:	Abbott

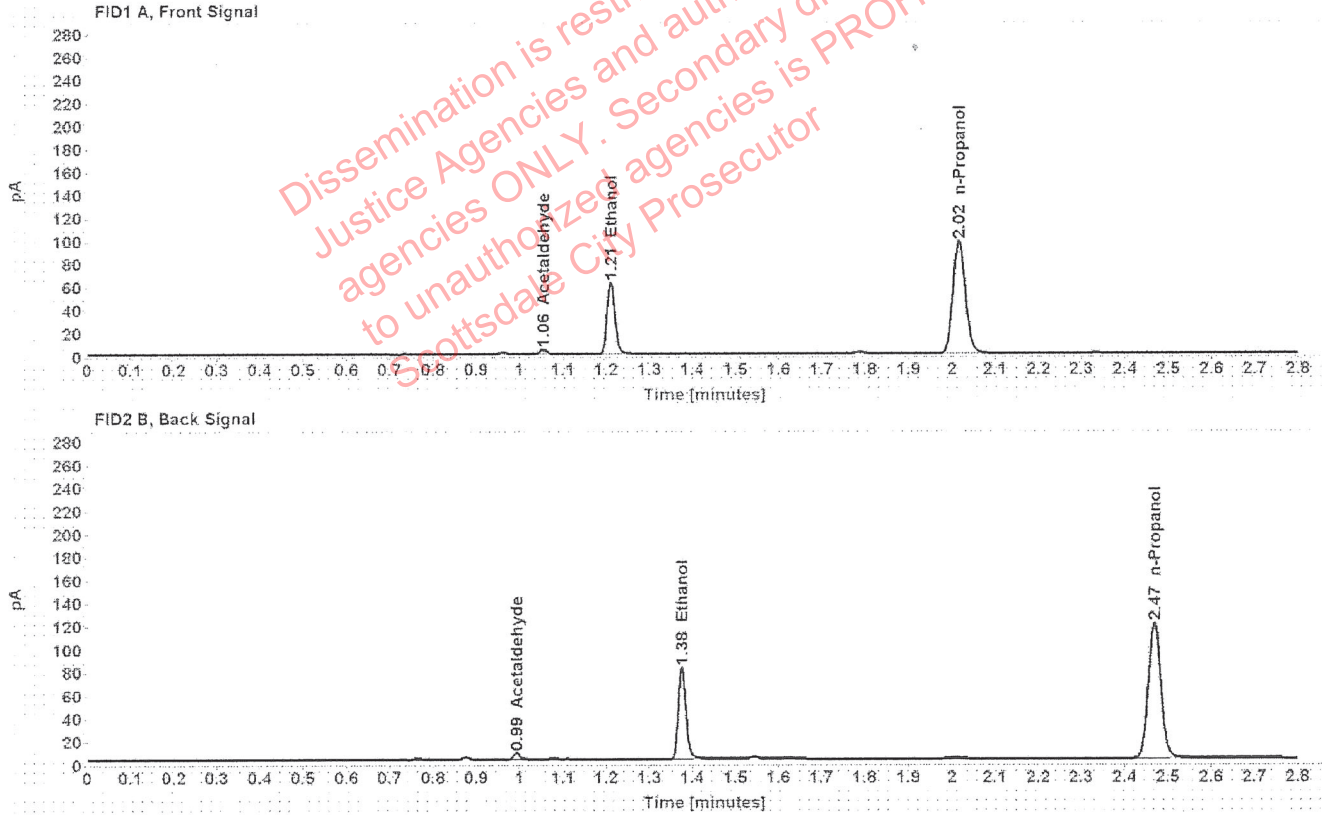


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.951
>Ethanol	0.1168	1.211	80.043
n-Propanol	-----	2.016	194.732

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.179
Ethanol	1.375	99.696
n-Propanol	2.468	239.376

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331343	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:00:27 PM
Data file:	C:\Chem32\1\Data\11Aug20\25.D	Analyst:	Abbott

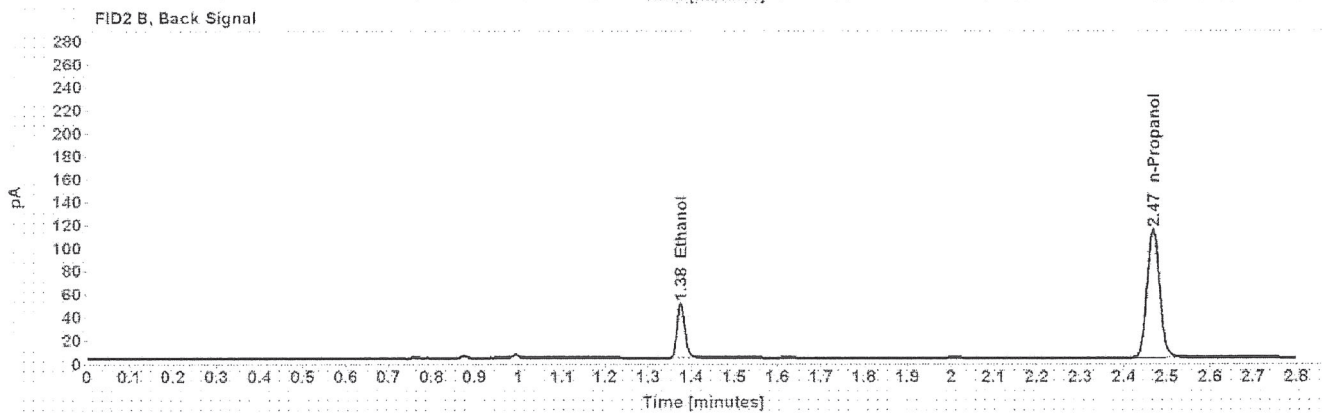
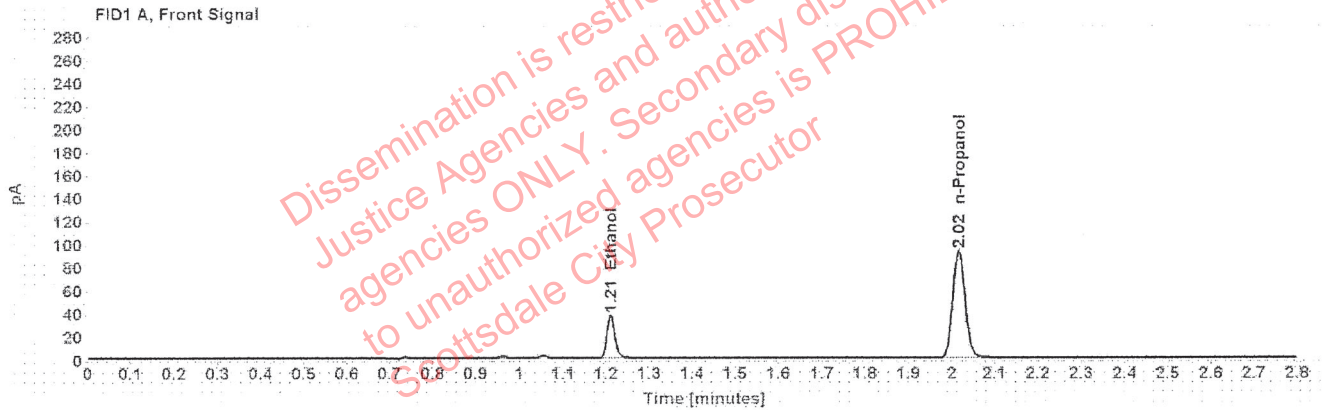


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0732	1.211	47.411
n-Propanol	-----	2.016	184.979

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

Compound	Time (min)	Peak Area
Ethanol	1.376	58.696
n-Propanol	2.468	226.117

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331343	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:04:27 PM
Data file:	C:\Chem32\1\Data\11Aug20\26.D	Analyst:	Abbott

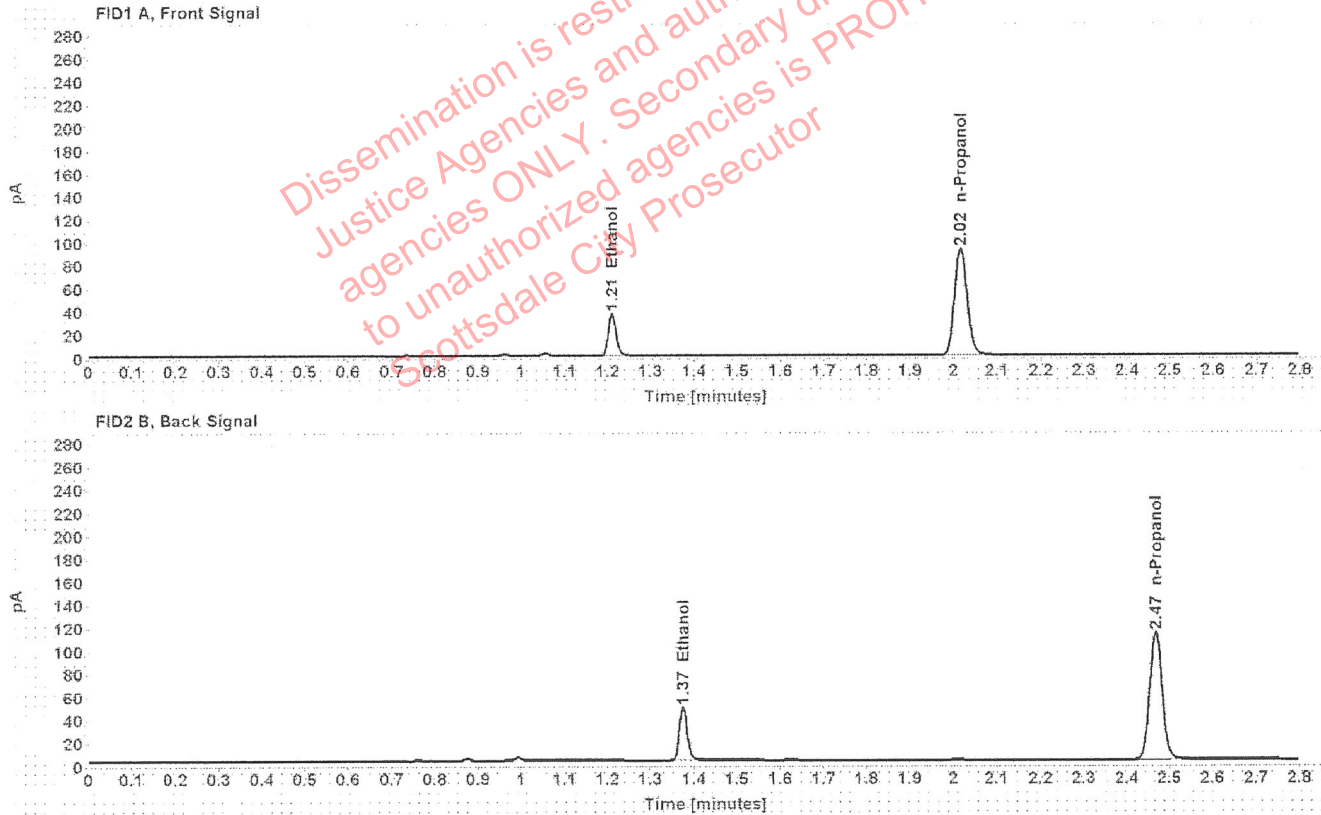


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0725	1.211	46.880
n-Propanol	-----	2.016	184.791

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

Compound	Time (min)	Peak Area
Ethanol	1.375	58.325
n-Propanol	2.467	226.143

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331949	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:08:27 PM
Data file:	C:\Chem32\1\Data\11Aug20\27.D	Analyst:	Abbott

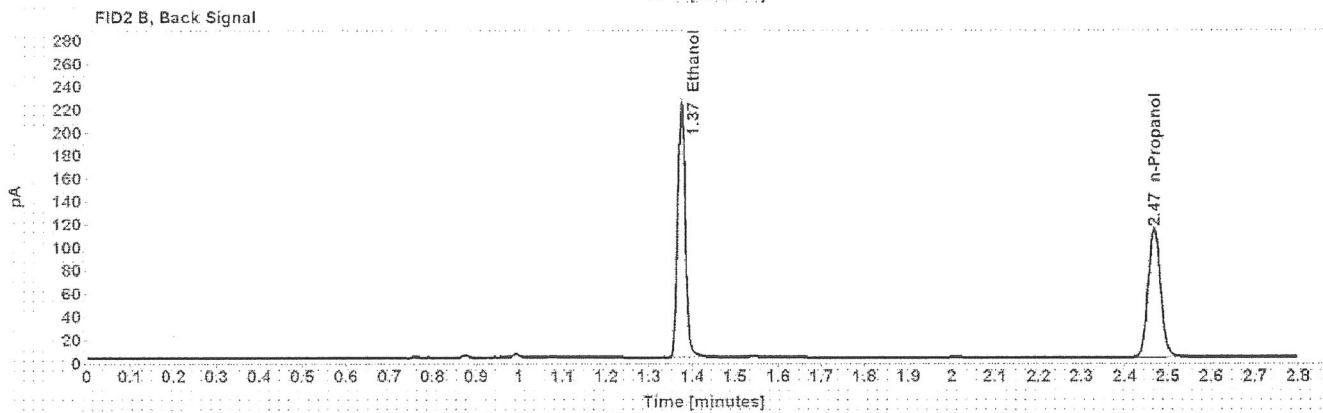
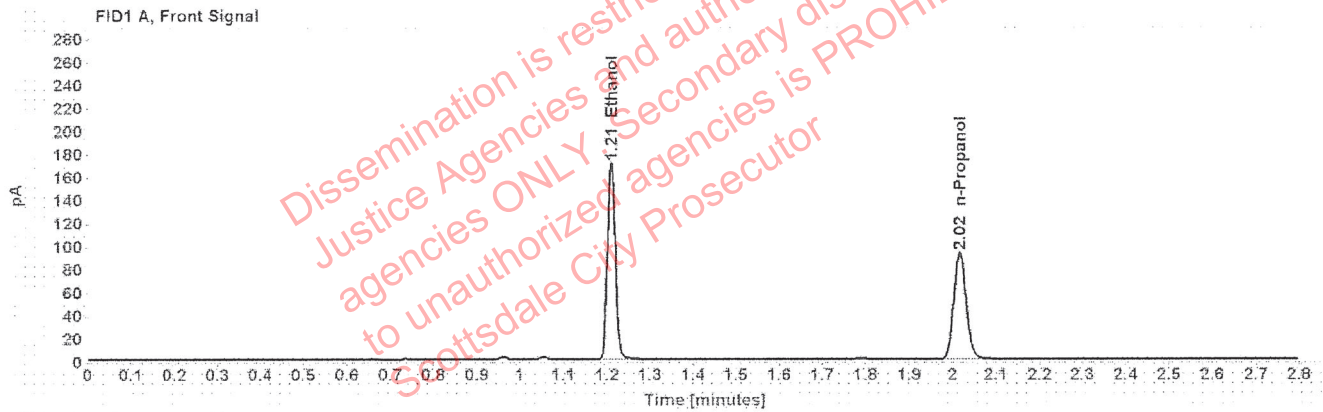


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3340	1.209	218.691
n-Propanol	-----	2.016	185.031

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

Compound	Time (min)	Peak Area
Ethanol	1.374	274.217
n-Propanol	2.467	226.287

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331949	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:12:28 PM
Data file:	C:\Chem32\1\Data\11Aug20\28.D	Analyst:	Abbott

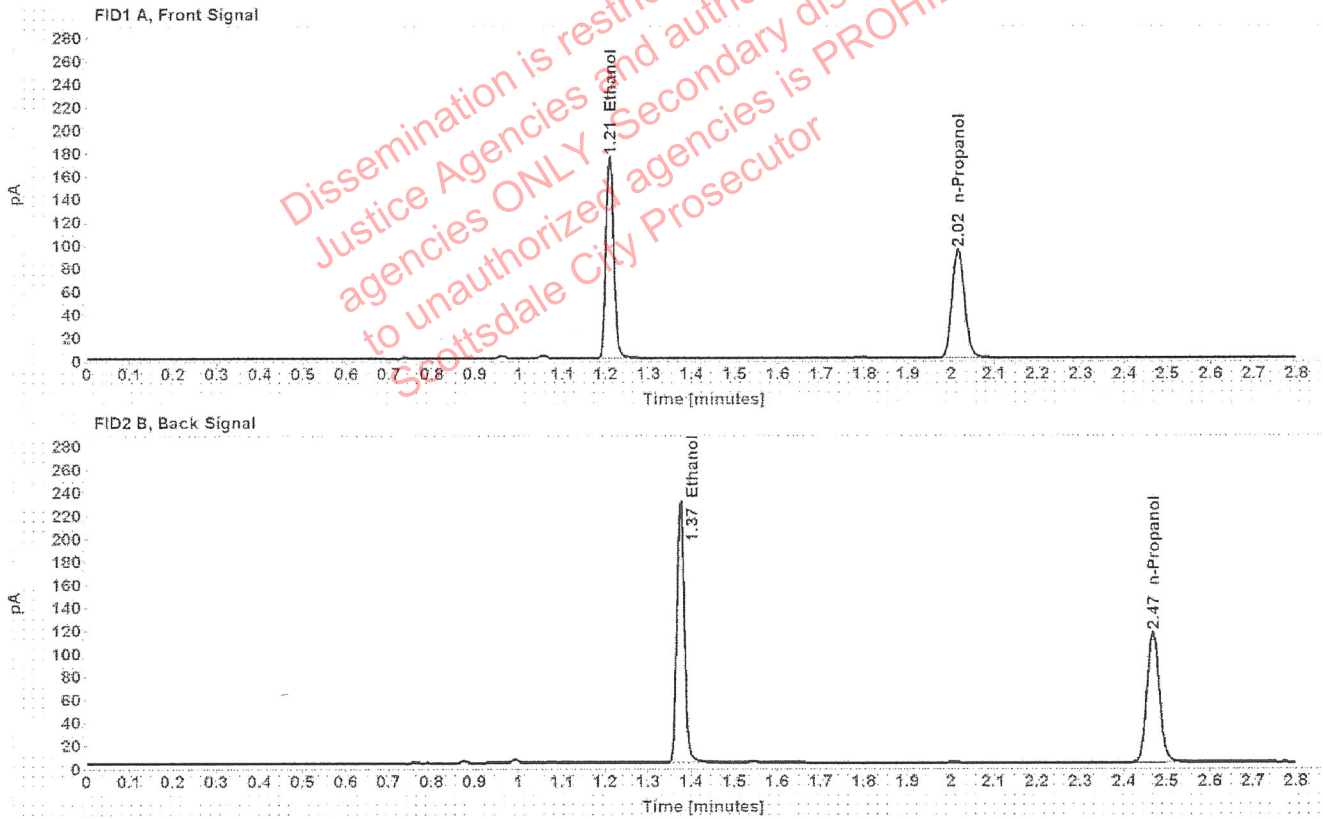


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3361	1.209	223.683
n-Propanol	-----	2.016	188.038

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

Compound	Time (min)	Peak Area
Ethanol	1.374	280.690
n-Propanol	2.468	230.065

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331288	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:16:27 PM
Data file:	C:\Chem32\1\Data\11Aug20\29.D	Analyst:	Abbott

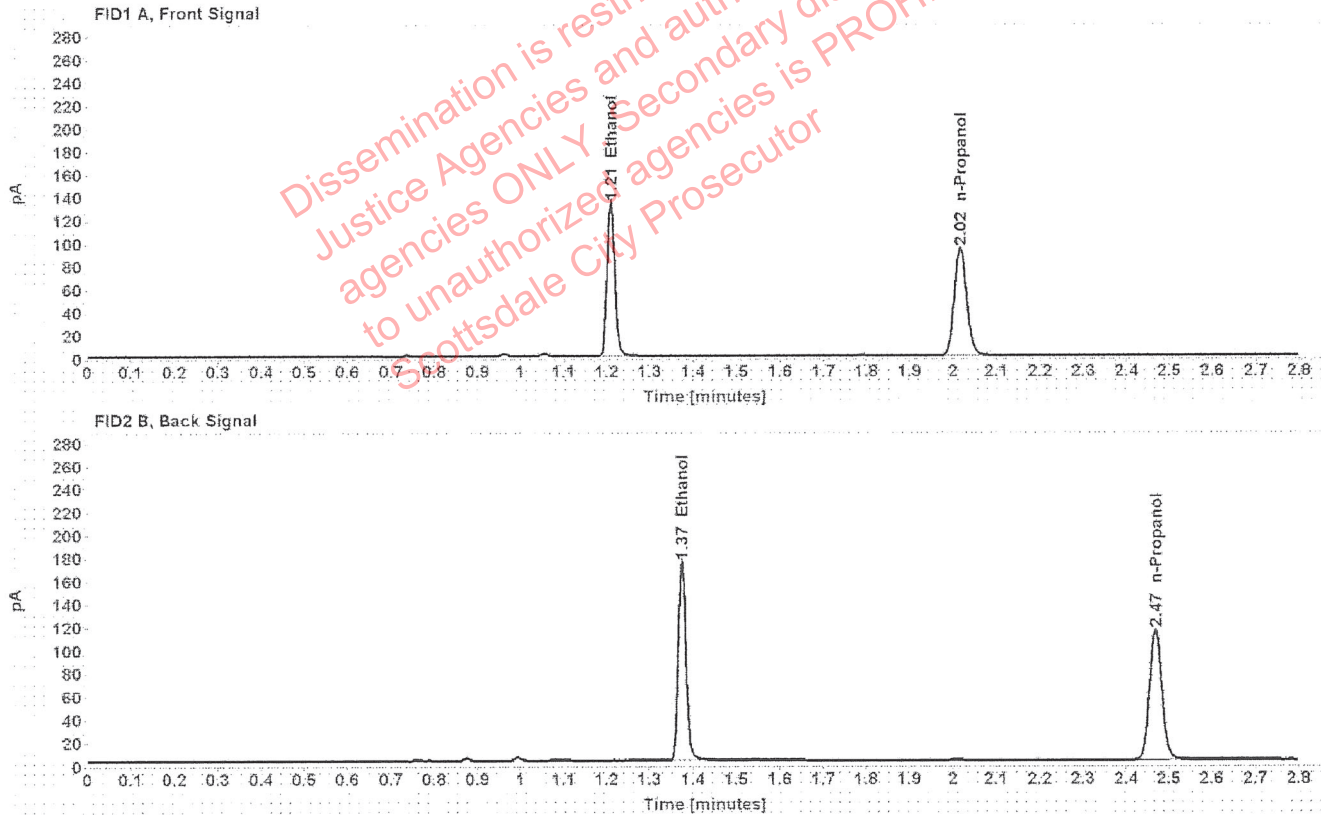


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2585	1.210	170.542
n-Propanol	-----	2.016	186.618

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

Compound	Time (min)	Peak Area
Ethanol	1.375	213.935
n-Propanol	2.468	228.475

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331288	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:20:26 PM
Data file:	C:\Chem32\1\Data\11Aug20\30.D	Analyst:	Abbott

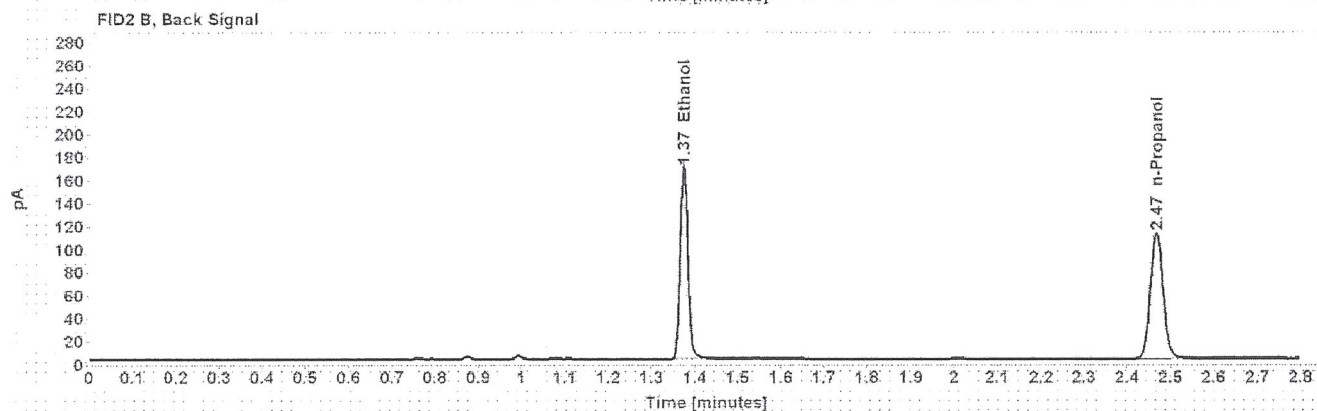
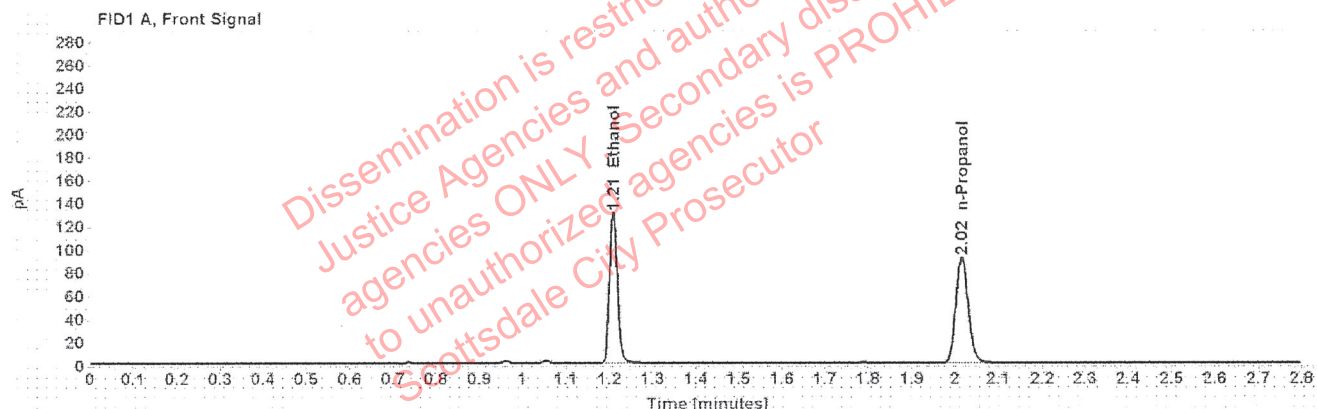


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2571	1.209	165.814
n-Propanol	-----	2.016	182.406

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

Compound	Time (min)	Peak Area
Ethanol	1.374	207.700
n-Propanol	2.467	223.444

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1332410	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:28:41 PM
Data file:	C:\Chem32\1\Data\11Aug20\32.D	Analyst:	Abbott

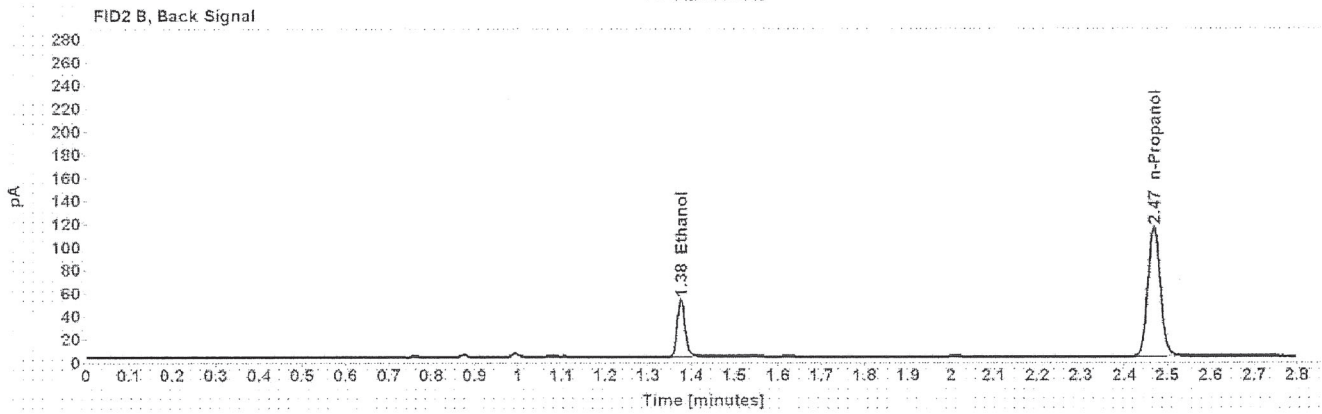
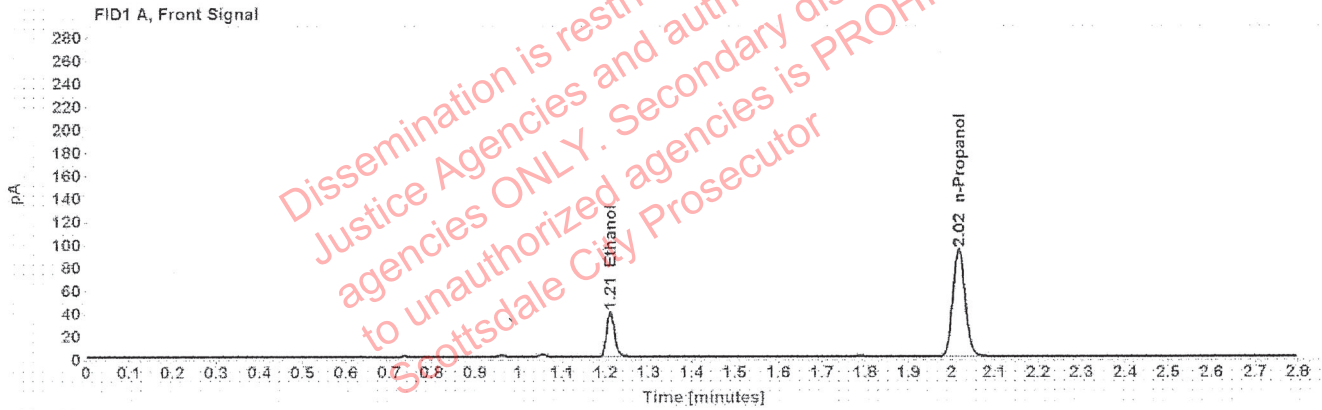


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0766	1.211	50.205
n-Propanol	-----	2.016	187.030

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

Compound	Time (min)	Peak Area
Ethanol	1.376	62.454
n-Propanol	2.468	228.542

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1332410	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:32:41 PM
Data file:	C:\Chem32\1\Data\11Aug20\33.D	Analyst:	Abbott

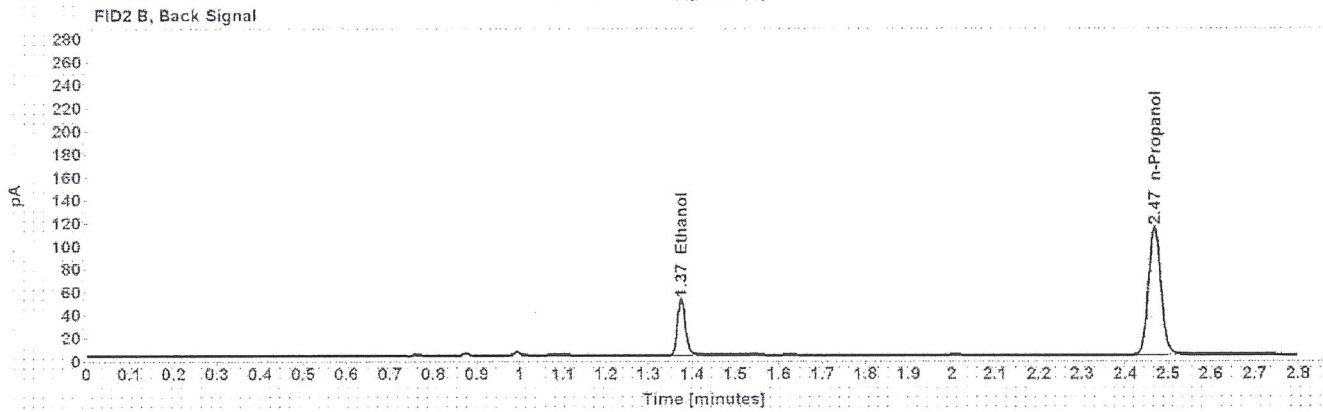
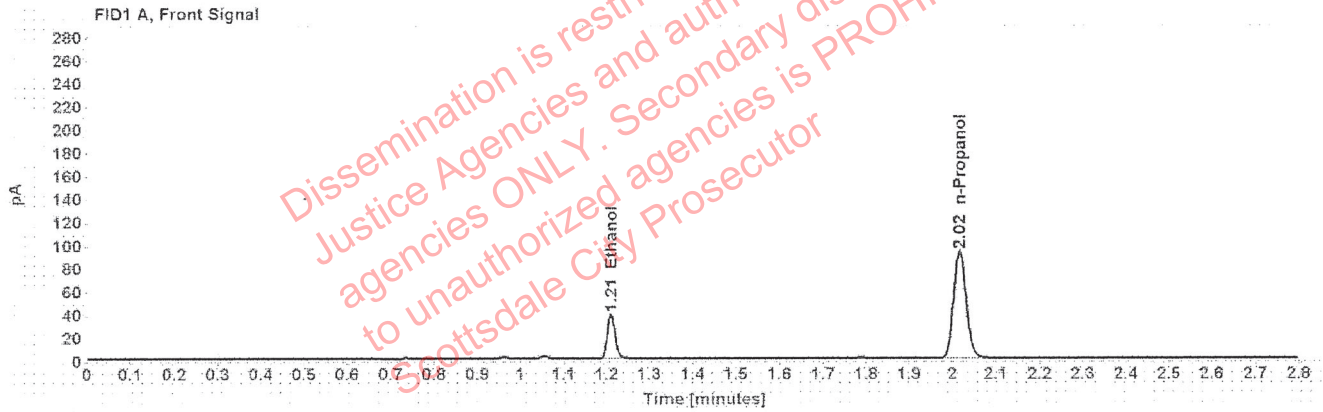


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0761	1.211	49.398
n-Propanol	-----	2.016	185.221

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

Compound	Time (min)	Peak Area
Ethanol	1.375	61.315
n-Propanol	2.467	226.331

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1332535	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:36:42 PM
Data file:	C:\Chem32\1\Data\11Aug20\34.D	Analyst:	Abbott

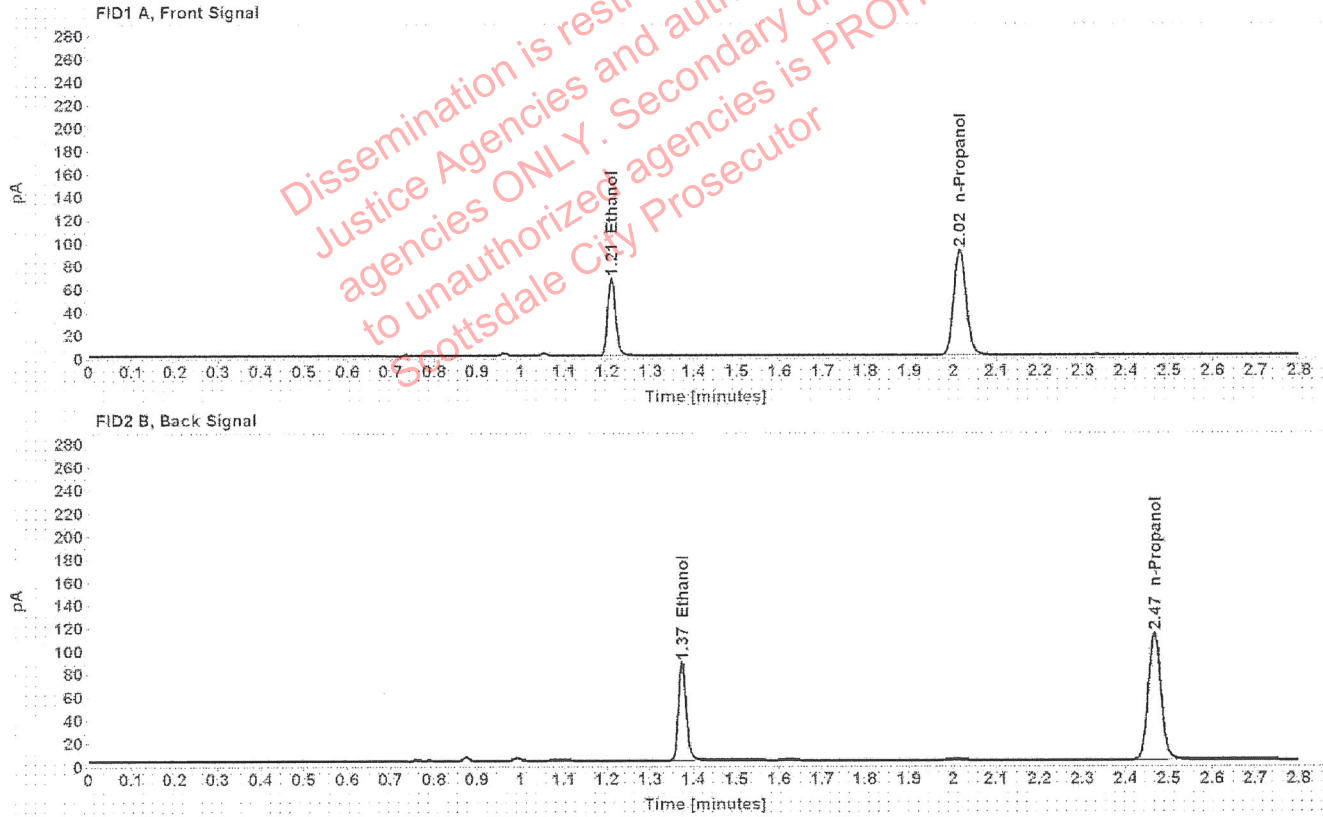


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1324	1.210	85.422
n-Propanol	-----	2.015	183.094

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

Compound	Time (min)	Peak Area
Ethanol	1.374	106.816
n-Propanol	2.467	224.614

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1332535	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:40:41 PM
Data file:	C:\Chem32\1\Data\11Aug20\35.D	Analyst:	Abbott

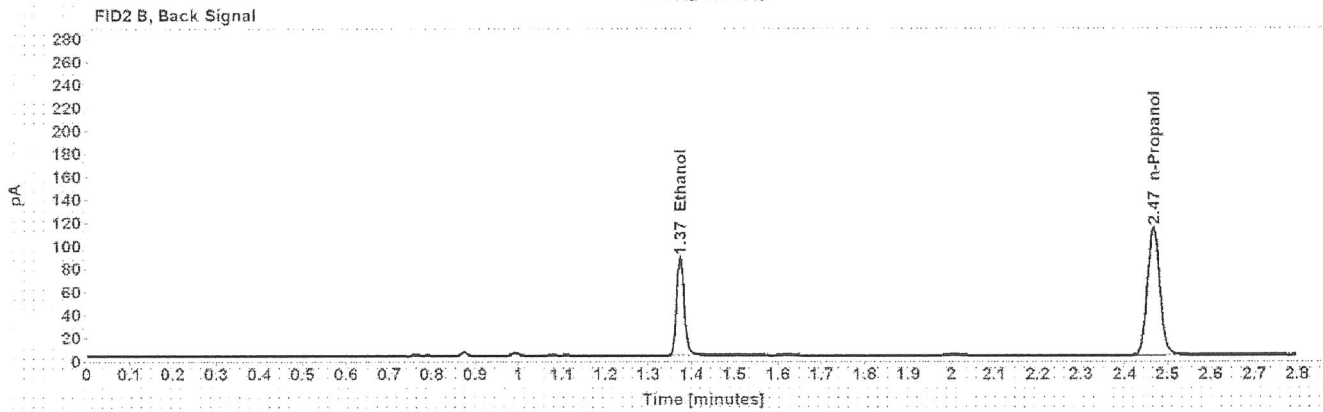
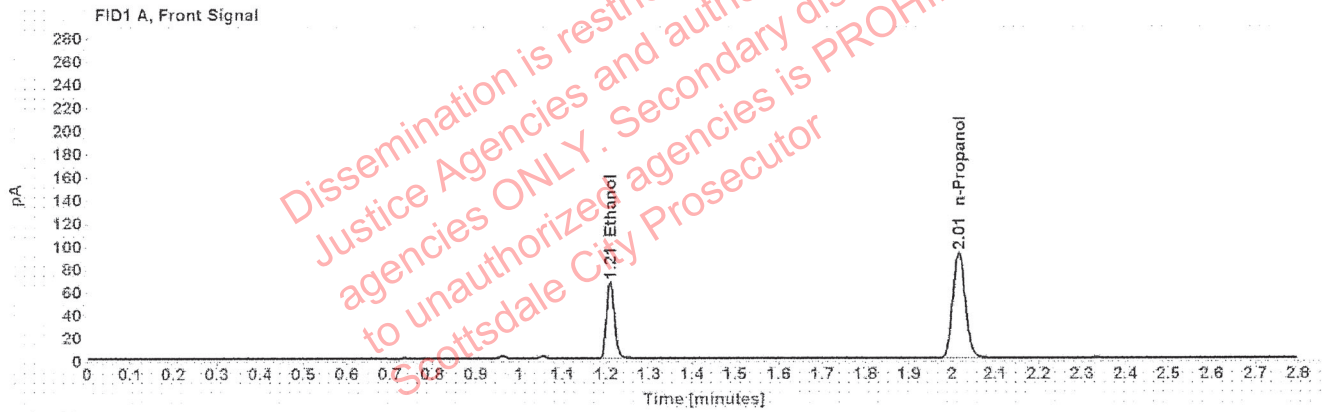


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1320	1.209	85.545
n-Propanol	-----	2.015	183.913

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

Compound	Time (min)	Peak Area
Ethanol	1.373	106.912
n-Propanol	2.466	225.533

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333094	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:44:42 PM
Data file:	C:\Chem32\1\Data\11Aug20\36.D	Analyst:	Abbott

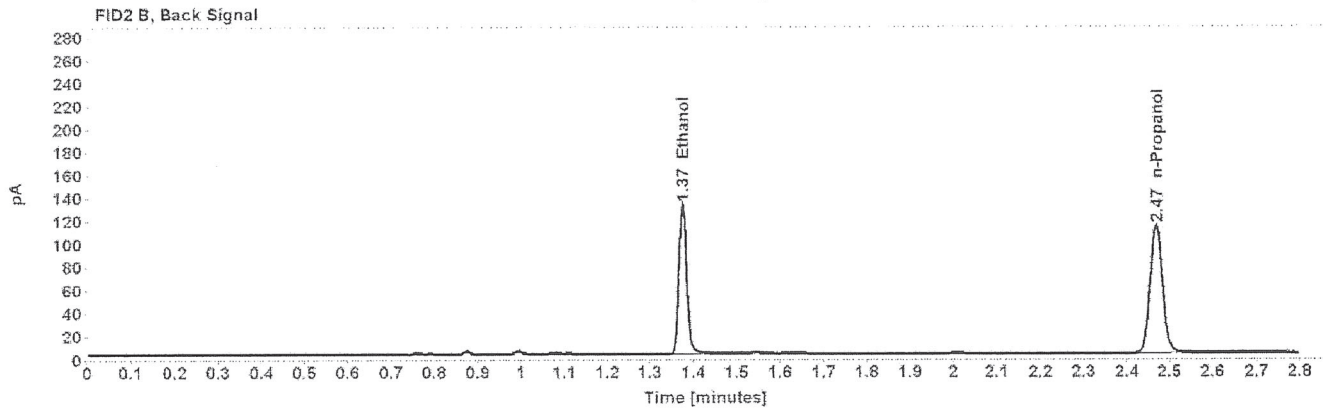
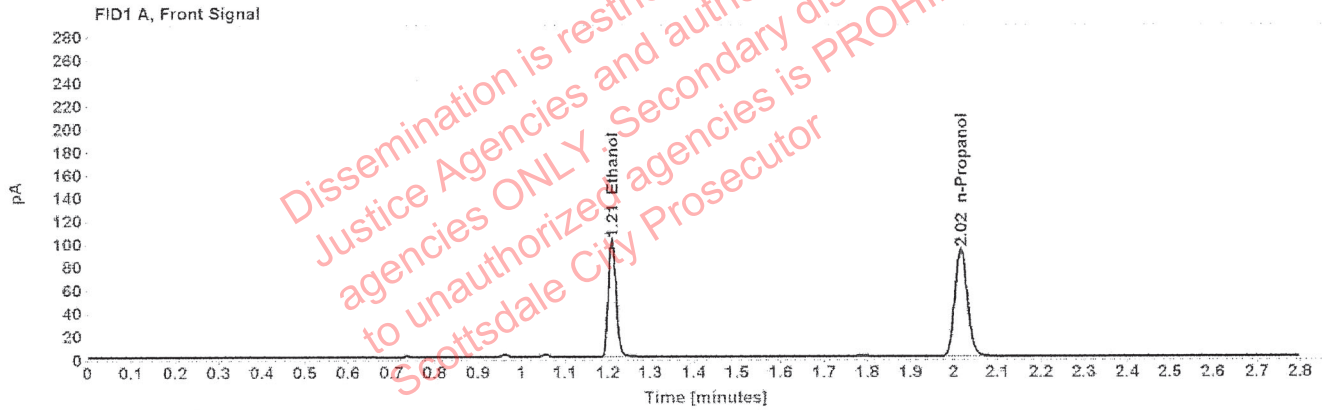


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1980	1.210	129.454
n-Propanol	-----	2.016	185.131

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

Compound	Time (min)	Peak Area
Ethanol	1.375	162.120
n-Propanol	2.468	226.560

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333094	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:48:57 PM
Data file:	C:\Chem32\1\Data\11Aug20\37.D	Analyst:	Abbott

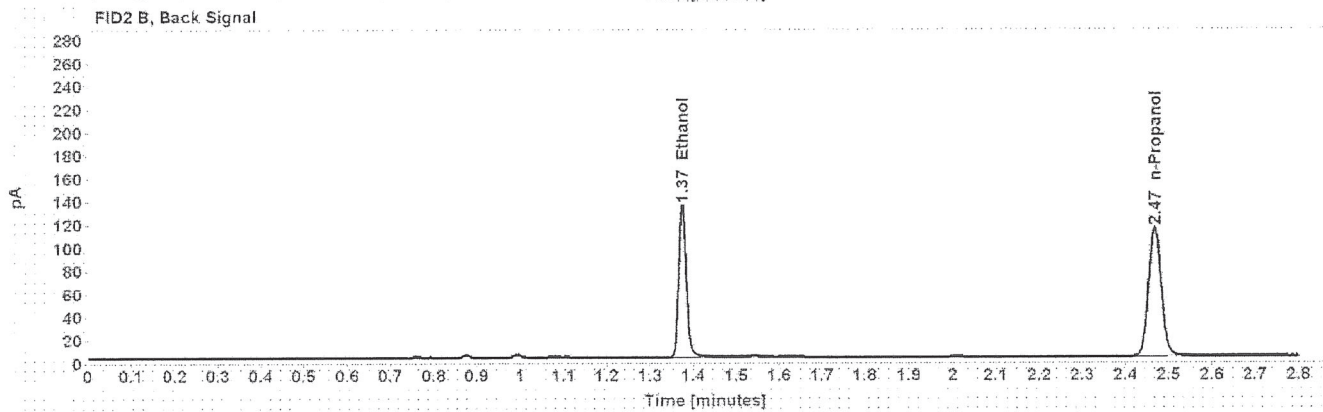
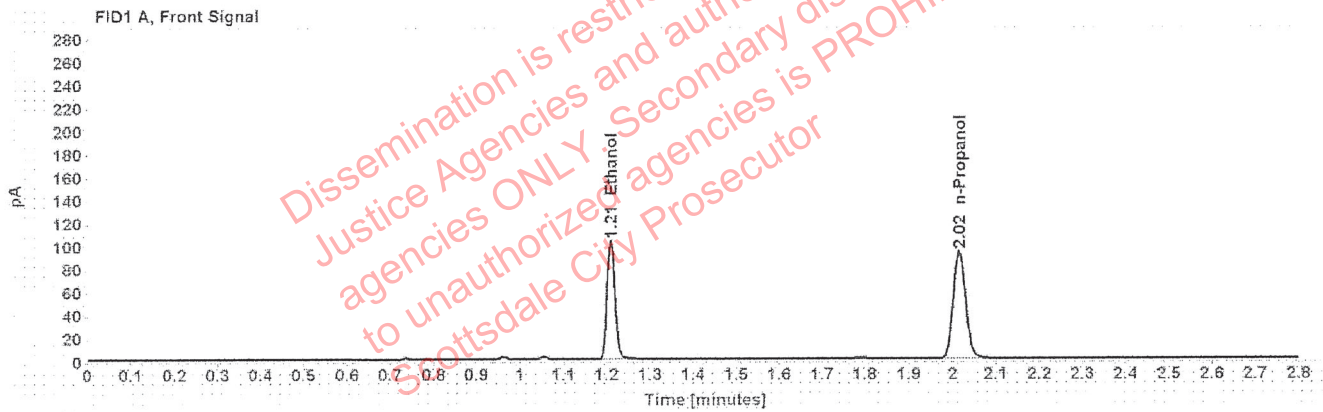


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2006	1.209	131.980
n-Propanol	-----	2.016	186.249

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

Compound	Time (min)	Peak Area
Ethanol	1.374	165.275
n-Propanol	2.467	227.768

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333399	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:52:56 PM
Data file:	C:\Chem32\1\Data\11Aug20\38.D	Analyst:	Abbott

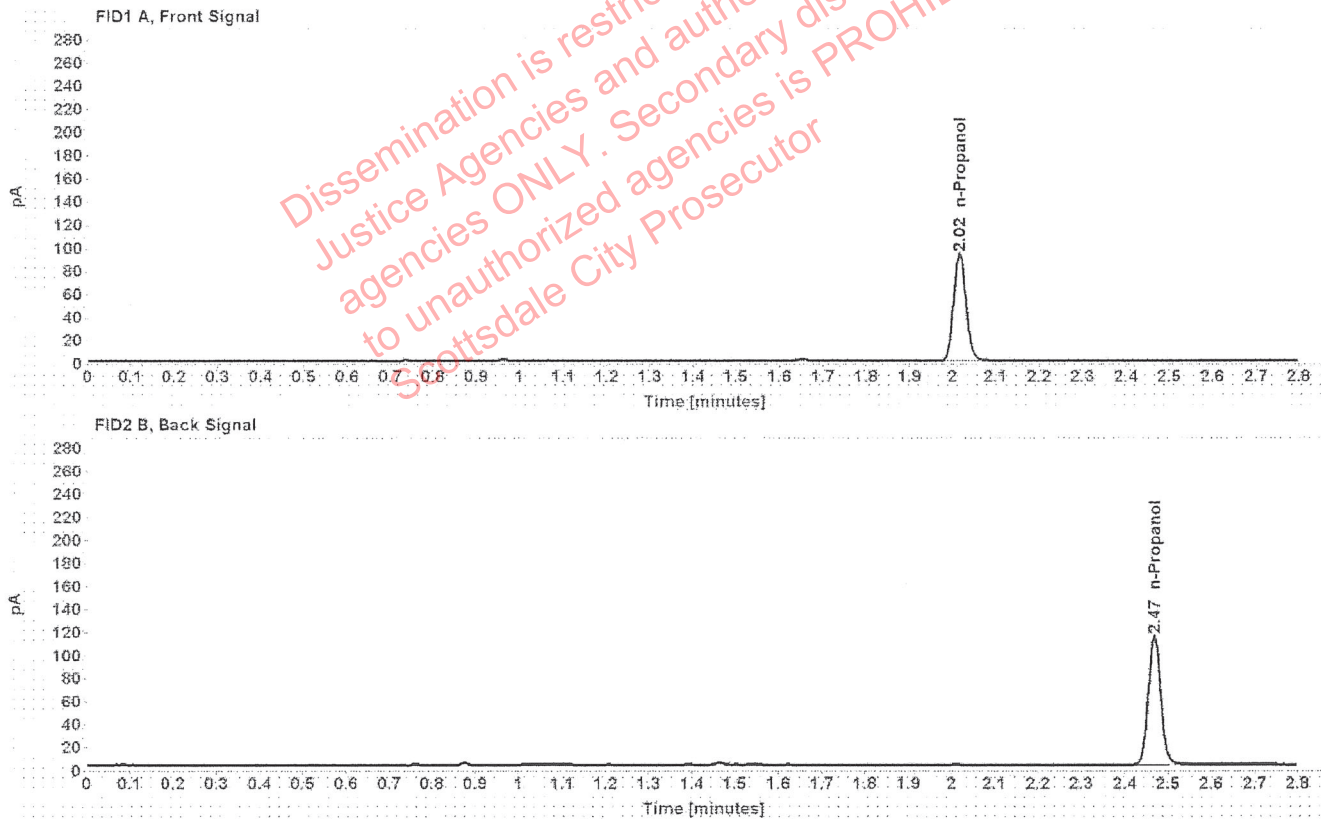


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	185.978

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	227.570

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333399	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 2:56:57 PM
Data file:	C:\Chem32\1\Data\11Aug20\39.D	Analyst:	Abbott

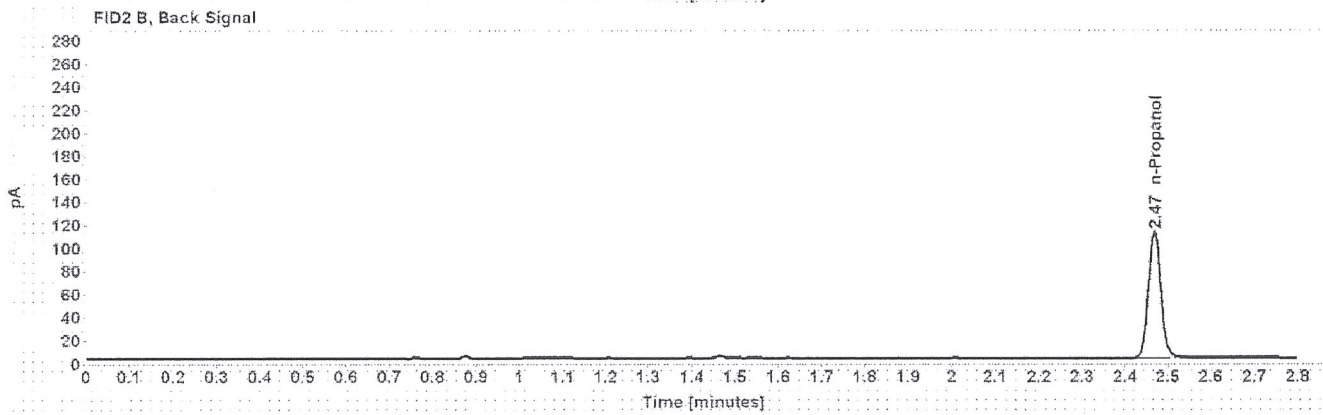
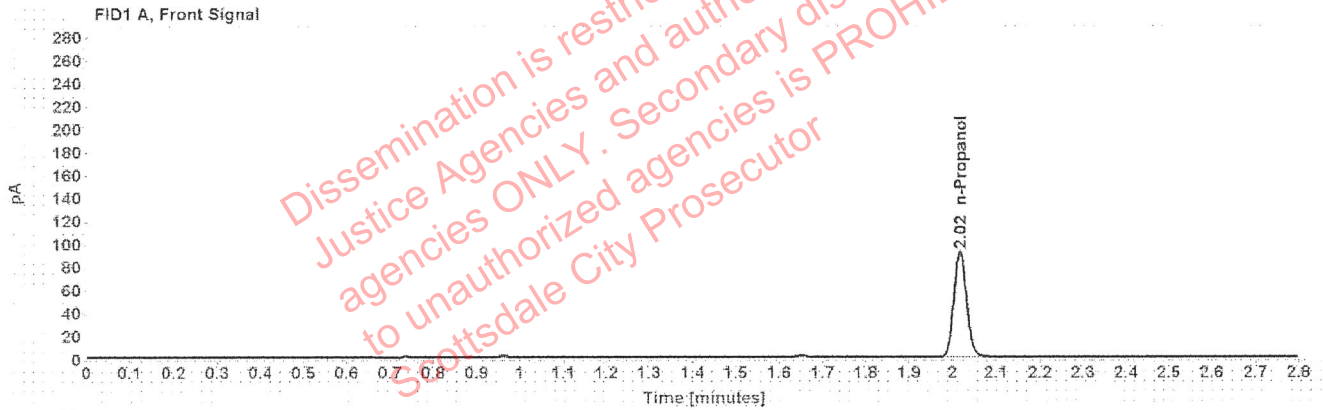


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	182.788

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	223.773

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333317	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 3:00:57 PM
Data file:	C:\Chem32\1\Data\11Aug20\40.D	Analyst:	Abbott

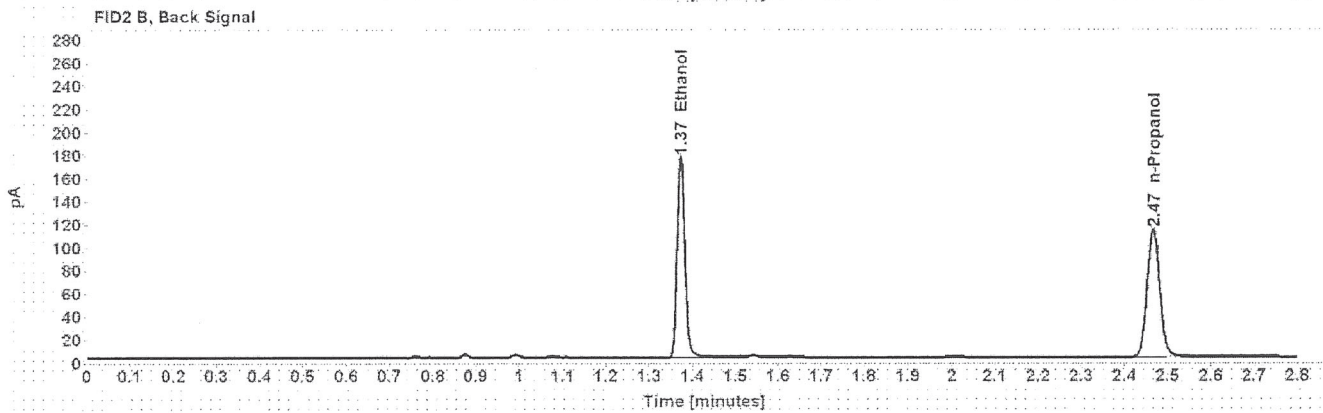
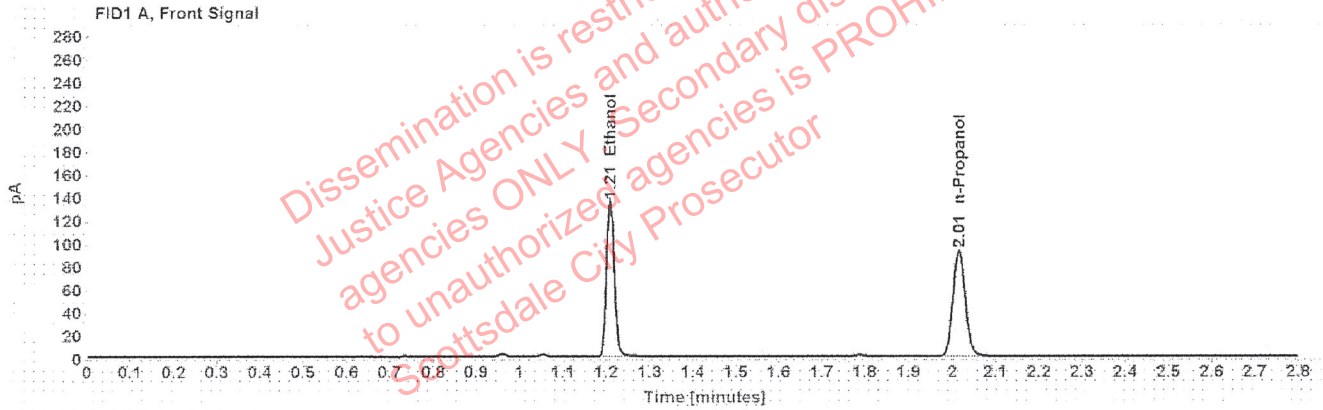


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2656	1.209	172.739
n-Propanol	-----	2.015	183.897

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

Compound	Time (min)	Peak Area
Ethanol	1.373	217.572
n-Propanol	2.466	225.340

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1333317	Vial:	41
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	11Aug20
Instrument:	US14173023 CN14160045	Injection date:	8/11/2020 3:04:57 PM
Data file:	C:\Chem32\1\Data\11Aug20\41.D	Analyst:	Abbott

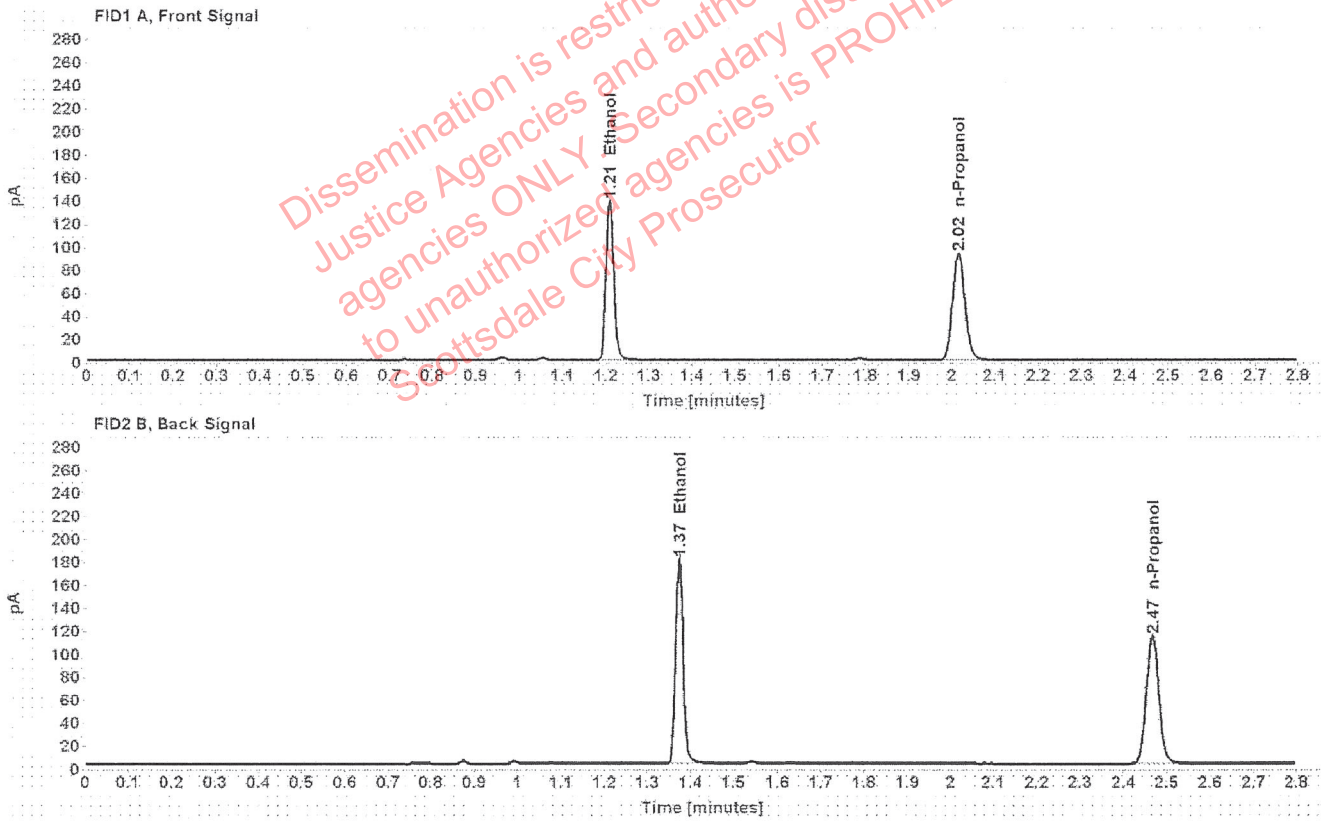


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2700	1.209	176.540
n-Propanol	-----	2.015	184.913

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

Compound	Time (min)	Peak Area
Ethanol	1.373	222.558
n-Propanol	2.466	226.900