

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/20/2019 SEQUENCE NAME 20Nov19

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 080519
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.150 g/dL	0.151 g/dL	Lipomed 09022015-C
42	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
45	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 08012015-C
46	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
47	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
48	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 16 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Erika Canonic Analyst
 Run valid Run invalid KOSECKI Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary



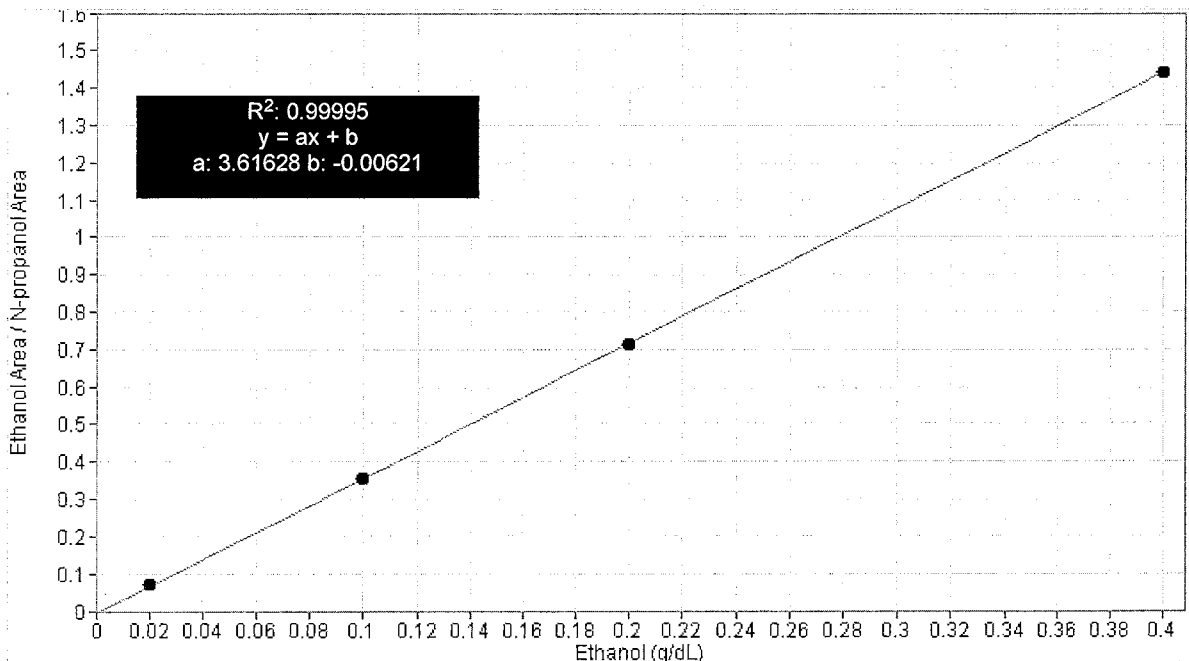
SEQUENCE NAME: 20Nov19

ANALYST: Canonico

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 080519	5	negative	negative		-
0.400 08012015-C	7	0.402	0.400	0.50	0.002
0.040 09022015-A	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.199	0.198	0.51	0.001
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.150 09022015-C	31	0.151	0.150	0.67	0.001
0.198 407041529/13	42	0.199	0.198	0.51	0.001
0.40 08012015-C	45	0.403	0.400	0.75	0.003
0.04 09022015-A	46	0.040	0.040	0.00	0.000
0.198 407041529/13	47	0.198	0.198	0.00	0.000
blank 040919WB	48	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.986	172.810	0.069
0.100	60.281	169.802	0.355
0.200	123.040	172.928	0.712
0.400	247.742	171.683	1.443

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03241604	Vial:	1
Description:	0.020 calibrator	Sequence:	20Nov19
Method:	ethanol quant.M	Injection date:	11/20/2019 1:11:00 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico
Data file:	C:\Chem32\1\Data\20Nov19\1.D		

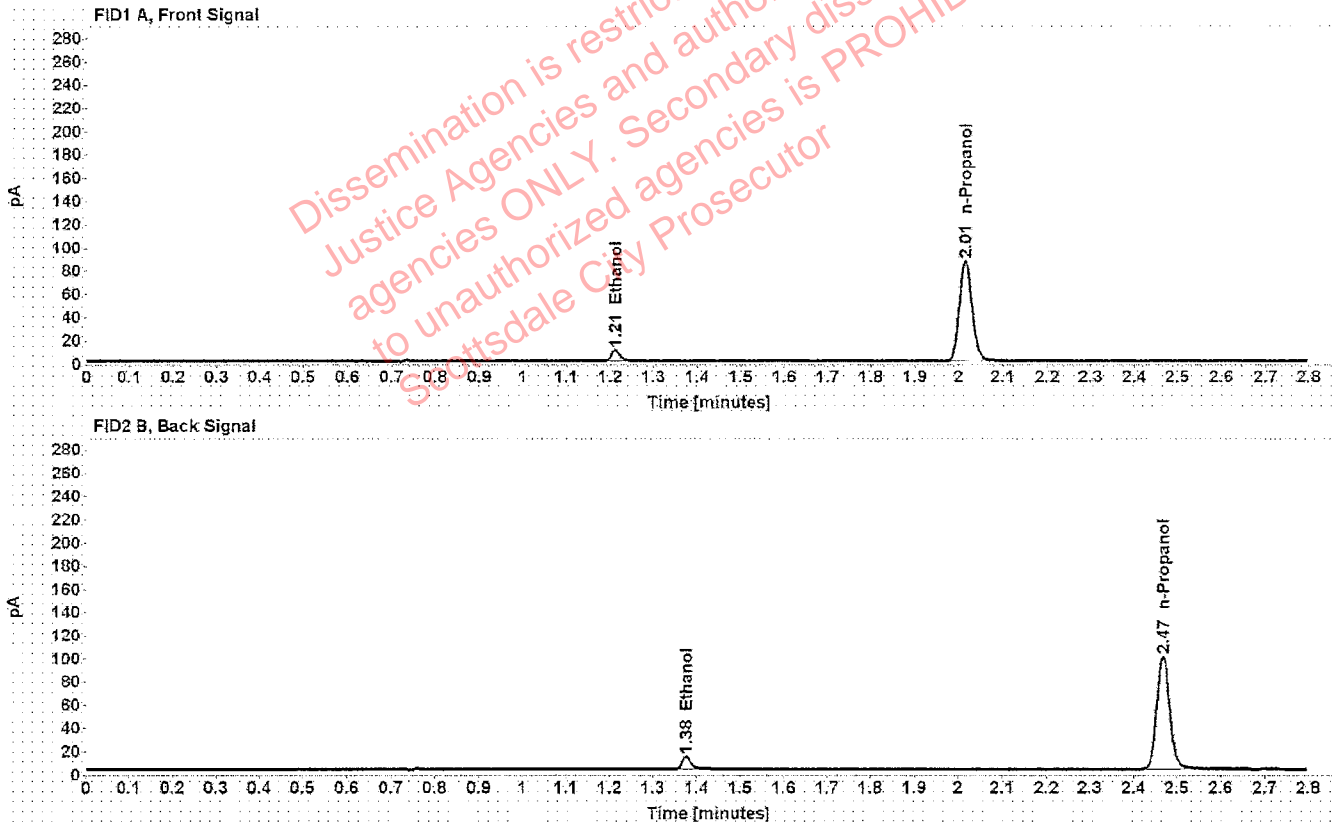


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.986
n-Propanol	2.015	172.810

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.410
n-Propanol	2.468	201.921

Scottsdale Police Department Crime Lab Volatiles Analysis

ec

Sample:	FN02271802	Vial:	2
Description:	0.100 calibrator	Sequence:	20Nov19
Method:	ethanol quant.M	Injection date:	11/20/2019 1:15:00 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico
Data file:	C:\Chem32\1\Data\20Nov19\2.D		

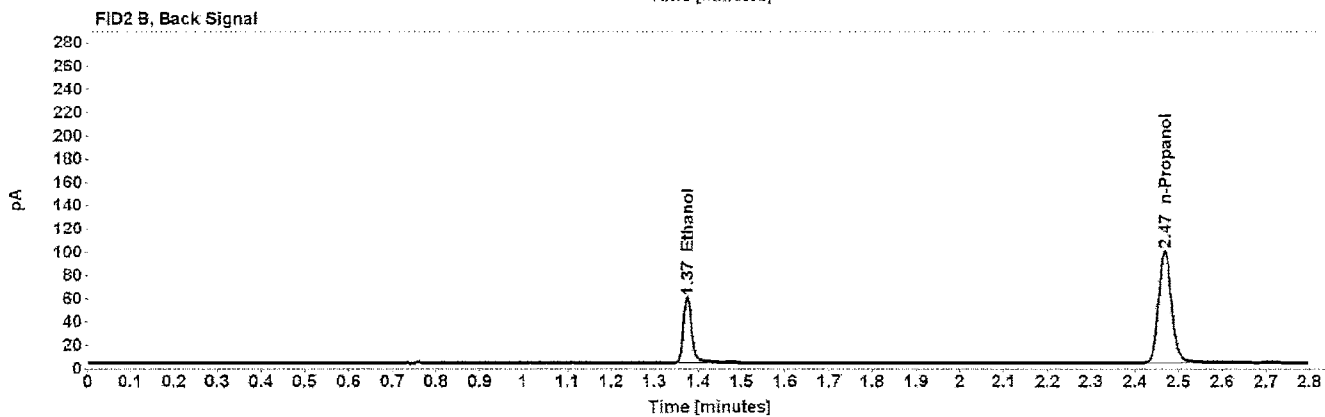
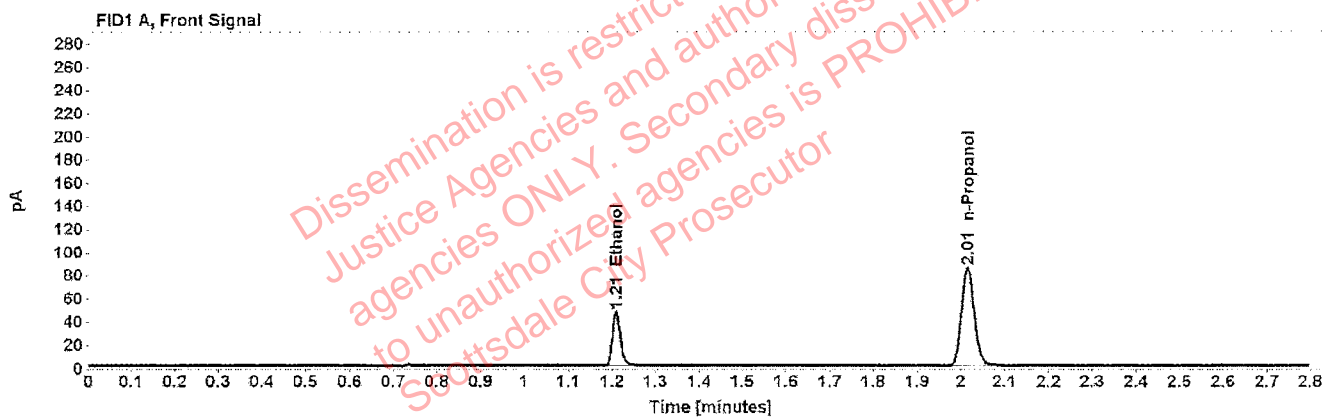


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.281
n-Propanol	2.015	169.802

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

Compound	Time (min)	Peak Area
Ethanol	1.375	73.276
n-Propanol	2.468	199.269

Scottsdale Police Department Crime Lab Volatiles Analysis

EE

Sample:	FN06231704	Vial:	3
Description:	0.200 calibrator	Sequence:	20Nov19
Method:	ethanol quant.M	Injection date:	11/20/2019 1:19:01 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico
Data file:	C:\Chem32\1\Data\20Nov19\3.D		

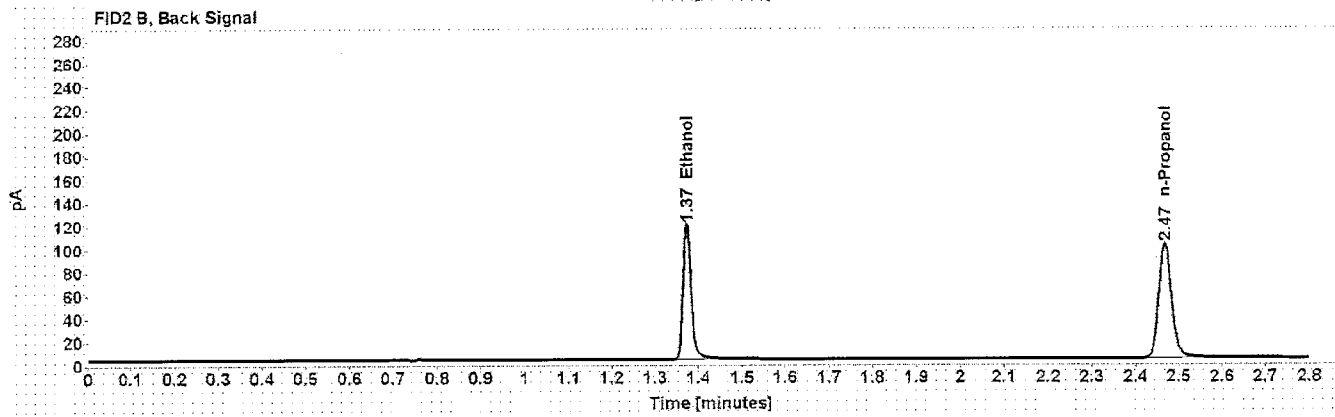
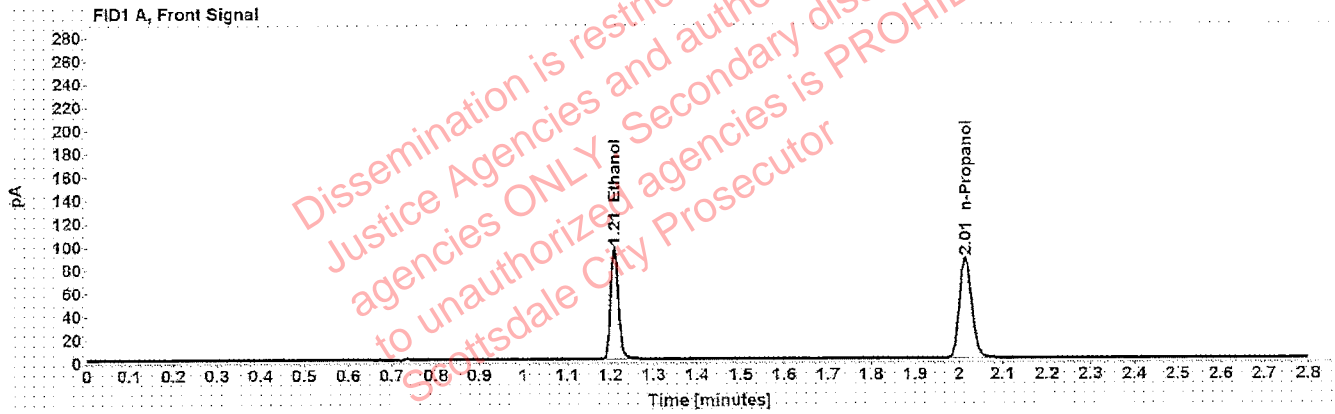


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	123.040
n-Propanol	2.015	172.928

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

Compound	Time (min)	Peak Area
Ethanol	1.374	149.909
n-Propanol	2.468	203.775

Scottsdale Police Department Crime Lab Volatiles Analysis

EL

Sample:	FN05131606	Vial:	4
Description:	0.400 calibrator	Sequence:	20Nov19
Method:	ethanol quant.M	Injection date:	11/20/2019 1:23:00 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico
Data file:	C:\Chem3211\Data\20Nov19\4.D		

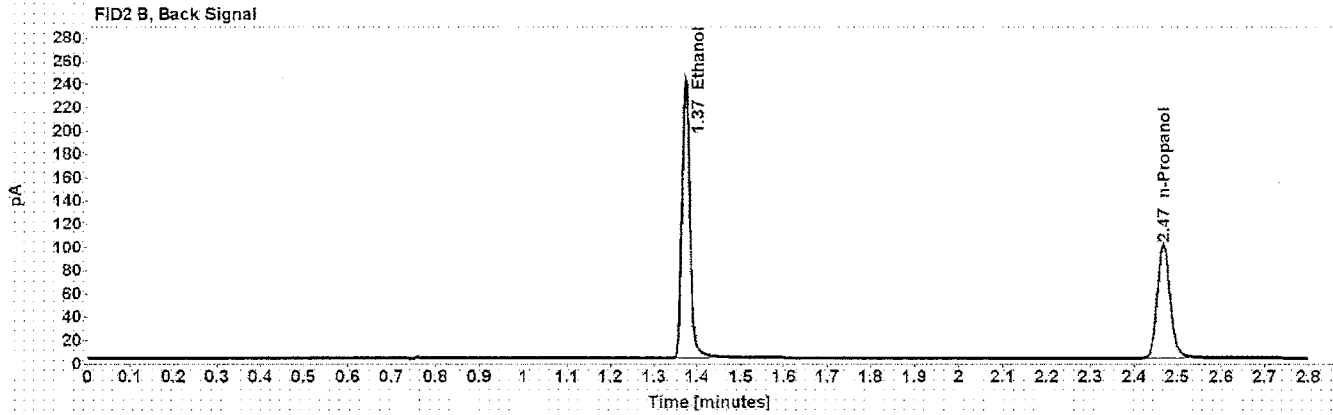
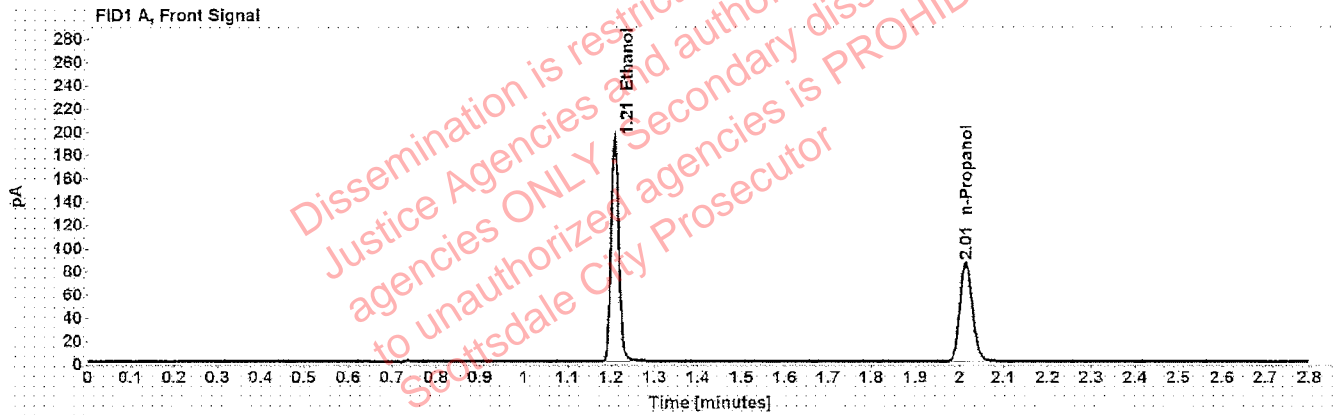


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	247.742
n-Propanol	2.015	171.683

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

Compound	Time (min)	Peak Area
Ethanol	1.374	303.607
n-Propanol	2.468	203.152

Scottsdale Police Department Crime Lab Volatiles Analysis

ee

Sample: 080519	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 20Nov19
Instrument: US14173023 CN14160045	Injection date: 11/20/2019 1:27:01 PM
Data file: C:\Chem32\1\Data\20Nov19\5.D	Analyst: Canonico

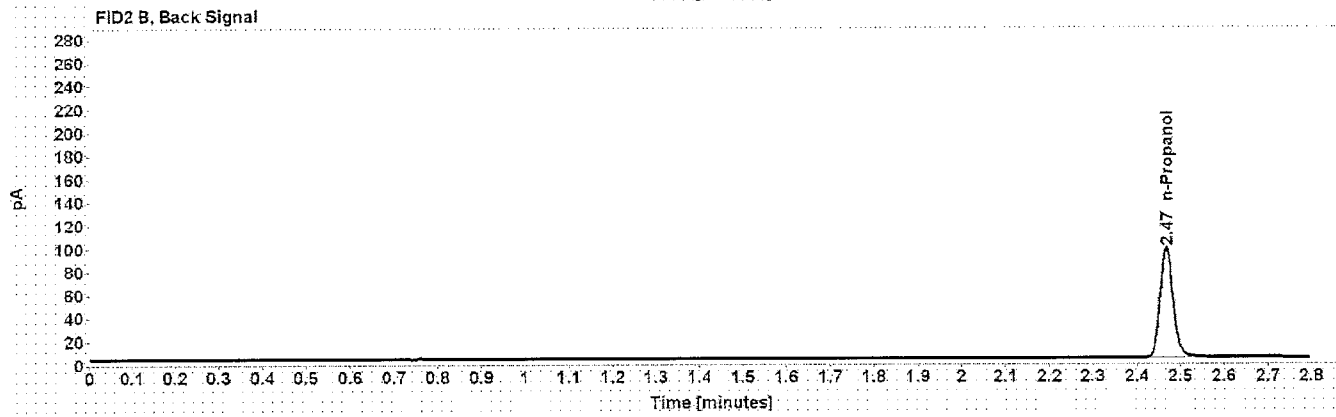
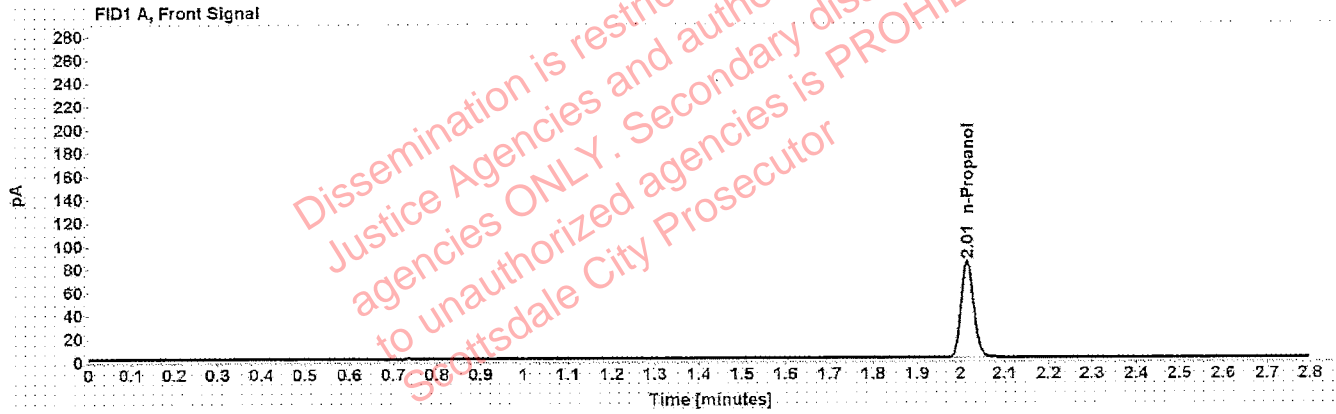


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	166.642

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	196.113

Scottsdale Police Department Crime Lab Volatiles Analysis

EE

Sample:	070819	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:31:01 PM
Data file:	C:\Chem32\1\Data\20Nov19\6.D	Analyst:	Canonico

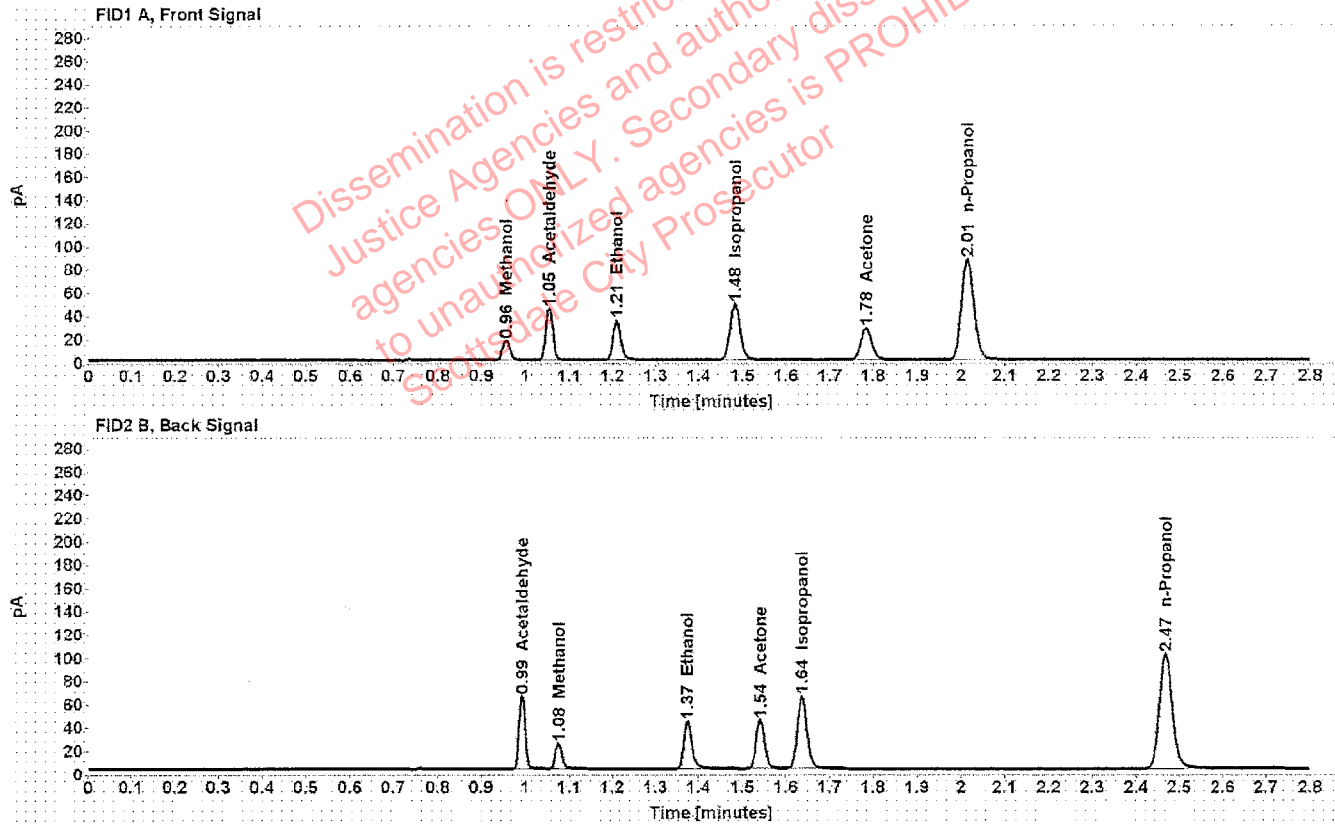


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	19.197
Acetaldehyde	-----	1.054	49.072
>Ethanol	0.0716	1.210	43.719
Isopropanol	-----	1.483	77.484
Acetone	-----	1.783	46.981
n-Propanol	-----	2.015	172.937

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	62.942
Methanol	1.076	24.427
Ethanol	1.375	52.940
Acetone	1.541	55.981
Isopropanol	1.636	96.127
n-Propanol	2.468	205.203

Scottsdale Police Department Crime Lab Volatiles Analysis

EE

Sample:	08012015-C	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:35:15 PM
Data file:	C:\Chem32\1\Data\20Nov19\7.D	Analyst:	Canonico

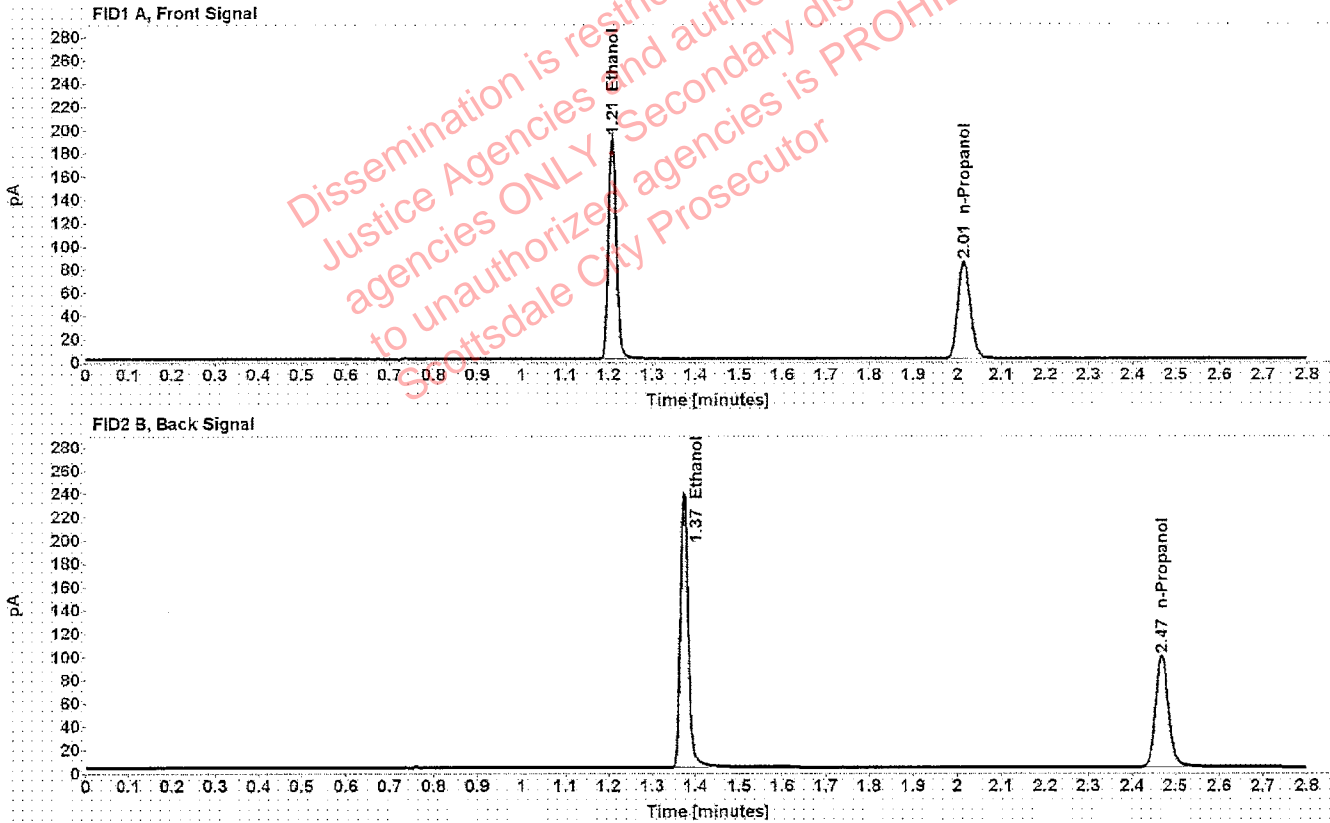


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4021	1.208	244.647
n-Propanol	-----	2.015	168.977

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

Compound	Time (min)	Peak Area
Ethanol	1.374	300.156
n-Propanol	2.468	199.922

Scottsdale Police Department Crime Lab Volatiles Analysis

EL

Sample:	09022015-A	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:39:16 PM
Data file:	C:\Chem32\1\Data\20Nov19\8.D	Analyst:	Canonico

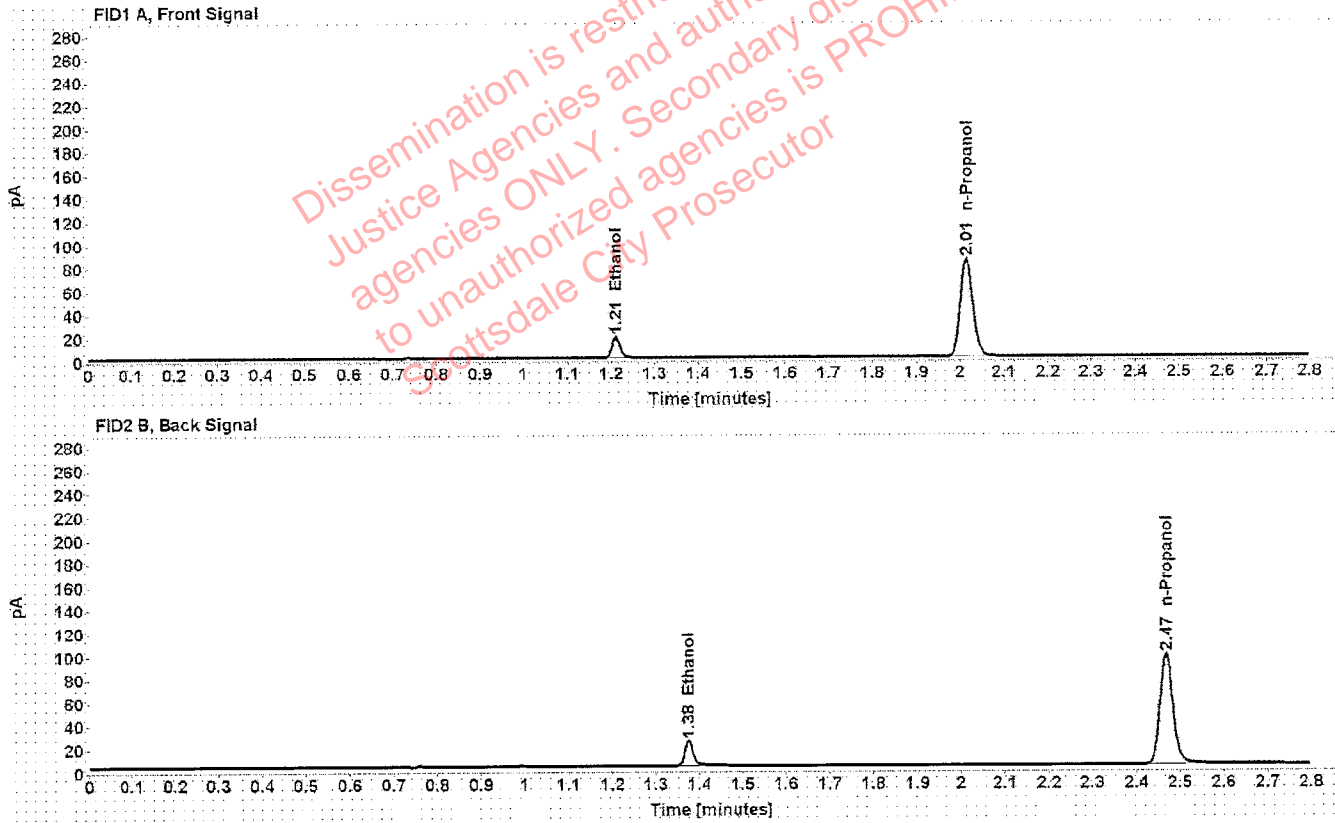


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0402	1.211	23.458
n-Propanol	-----	2.015	168.541

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

Compound	Time (min)	Peak Area
Ethanol	1.375	28.364
n-Propanol	2.468	198.716

Scottsdale Police Department Crime Lab Volatiles Analysis

92

Sample:	407041529/13	Vial:	9
Description:	0.198	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:43:15 PM
Data file:	C:\Chem32\1\Data\20Nov19\9.D	Analyst:	Canonico

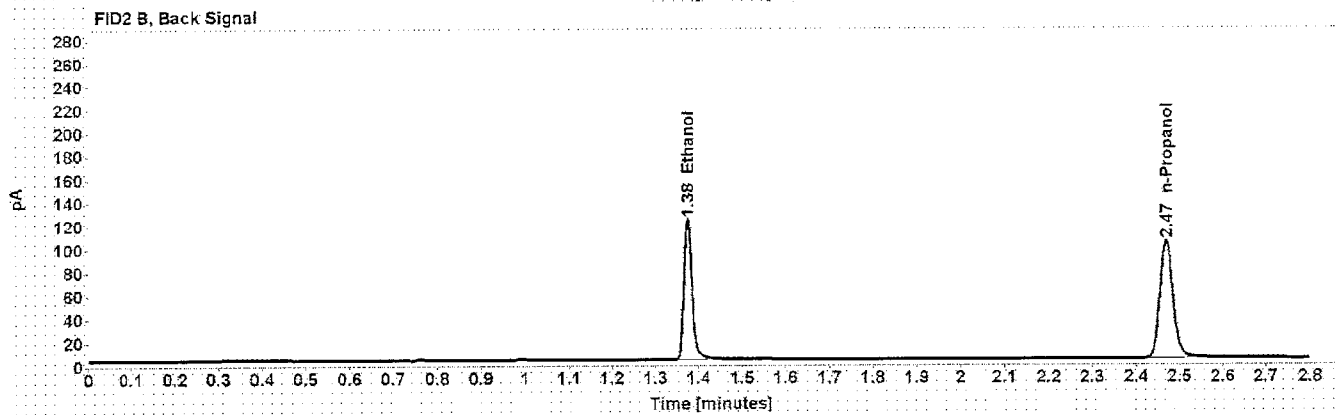
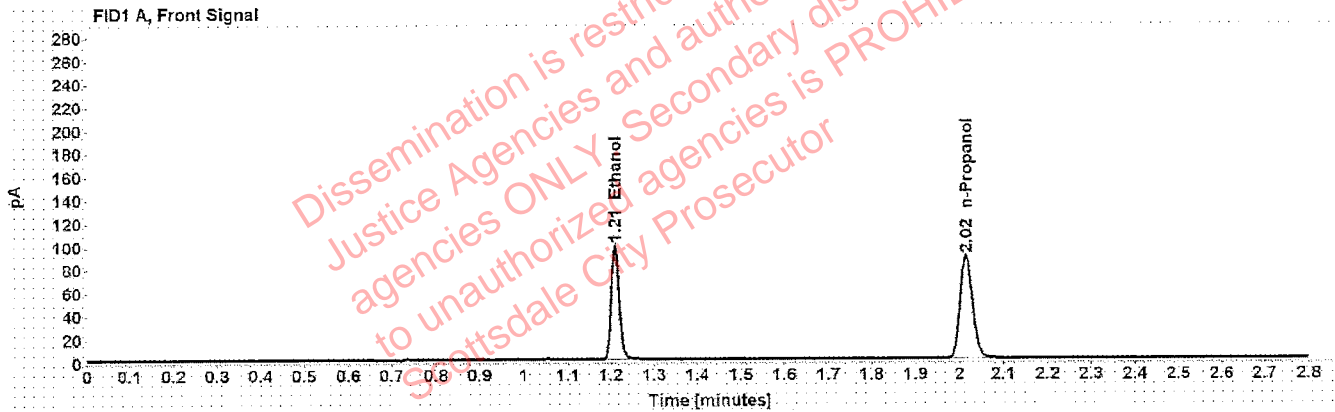


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1997	1.209	126.993
n-Propanol	-----	2.016	177.413

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

Compound	Time (min)	Peak Area
Ethanol	1.375	154.594
n-Propanol	2.469	209.893

Scottsdale Police Department Crime Lab Volatiles Analysis

92

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 20Nov19
Instrument: US14173023 CN14160045	Injection date: 11/20/2019 2:27:45 PM
Data file: C:\Chem32\1\Data\20Nov19\20.D	Analyst: Canonico

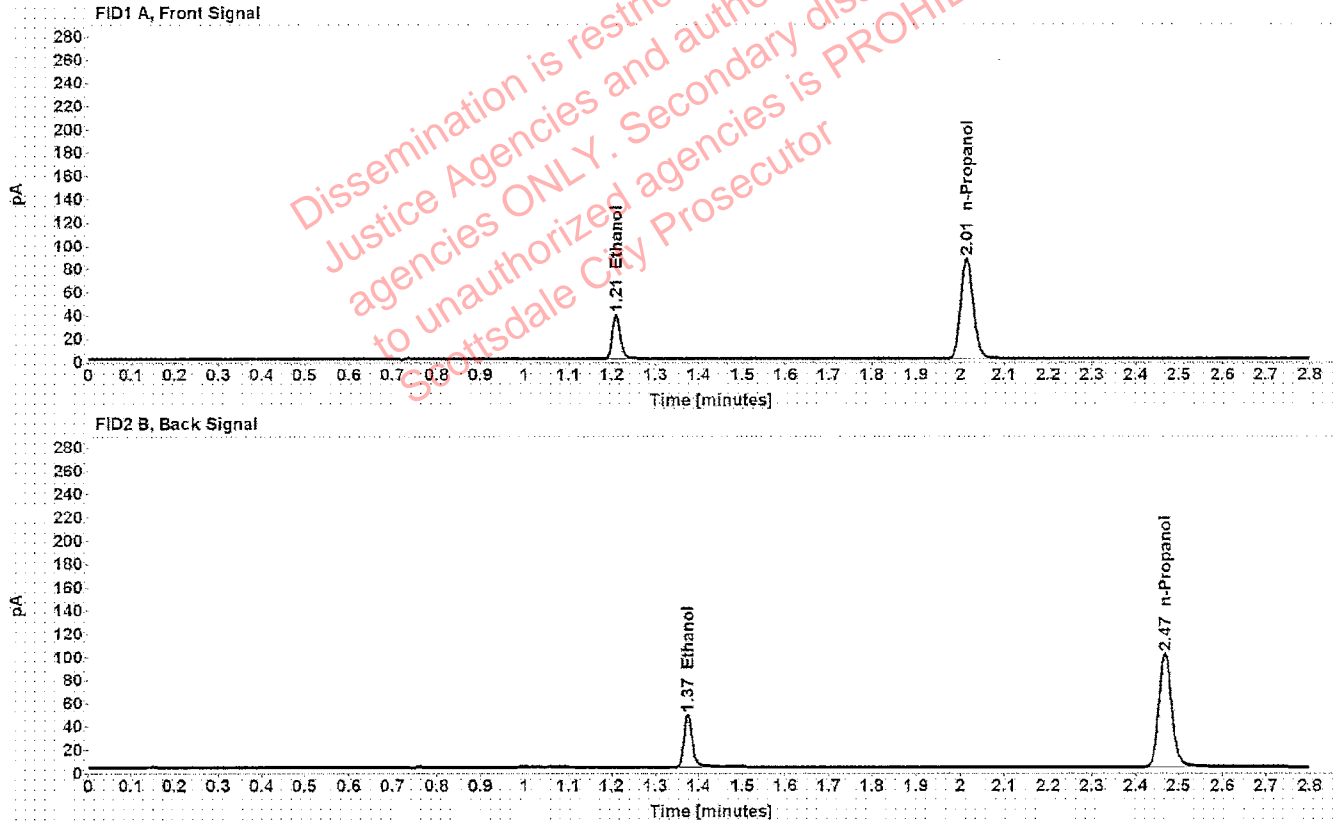


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0802	1.210	49.272
n-Propanol	-----	2.015	173.527

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

Compound	Time (min)	Peak Area
Ethanol	1.375	59.836
n-Propanol	2.468	204.758

Scottsdale Police Department Crime Lab Volatiles Analysis

ec

Sample:	09022015-C	Vial:	31
Description:	0.150	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:12:16 PM
Data file:	C:\Chem32\1\Data\20Nov19\31.D	Analyst:	Canonico

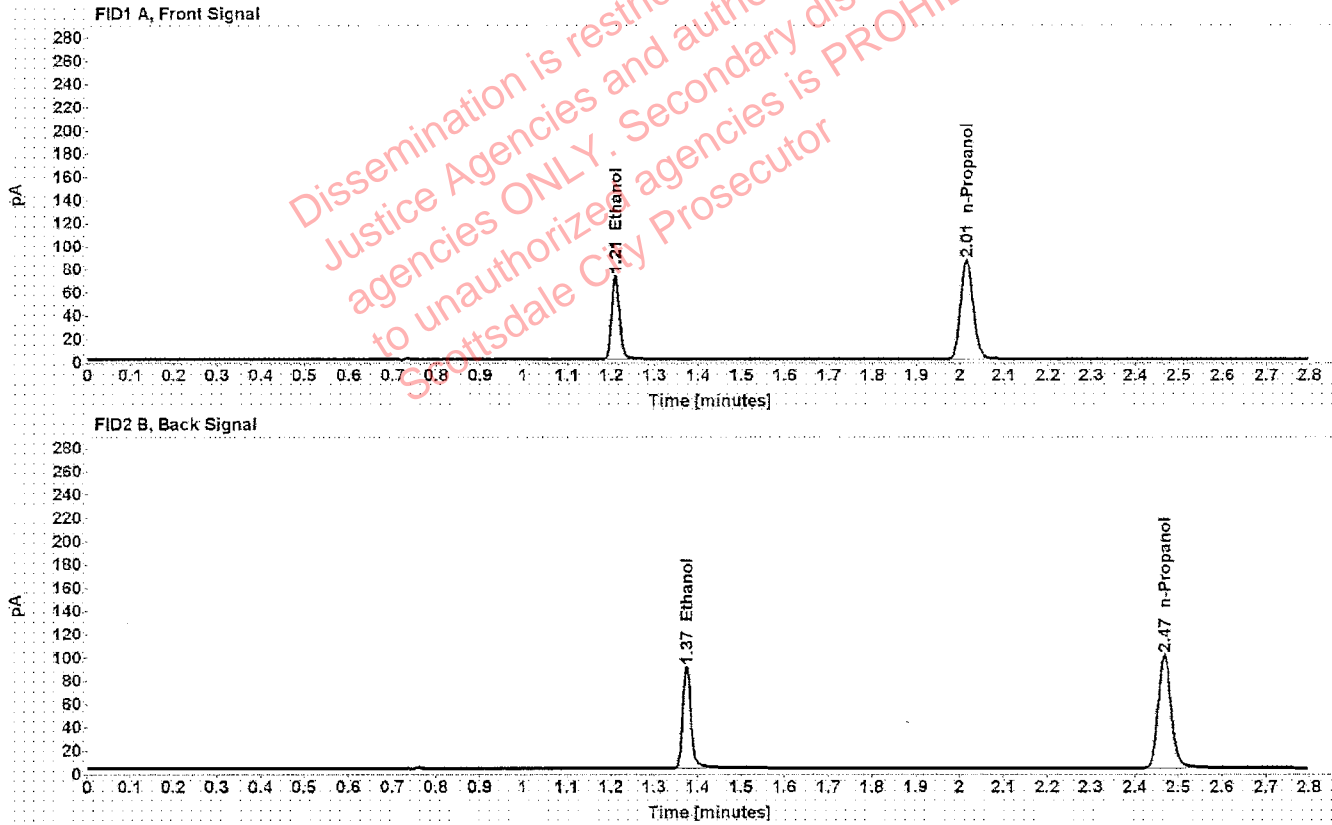


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1516	1.209	93.143
n-Propanol	-----	2.015	171.868

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.388
n-Propanol	2.468	203.065

Scottsdale Police Department Crime Lab Volatiles Analysis

EE

Sample:	407041529/13	Vial:	42
Description:	0.198	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:56:32 PM
Data file:	C:\Chem32\1\Data\20Nov19\42.D	Analyst:	Canonico

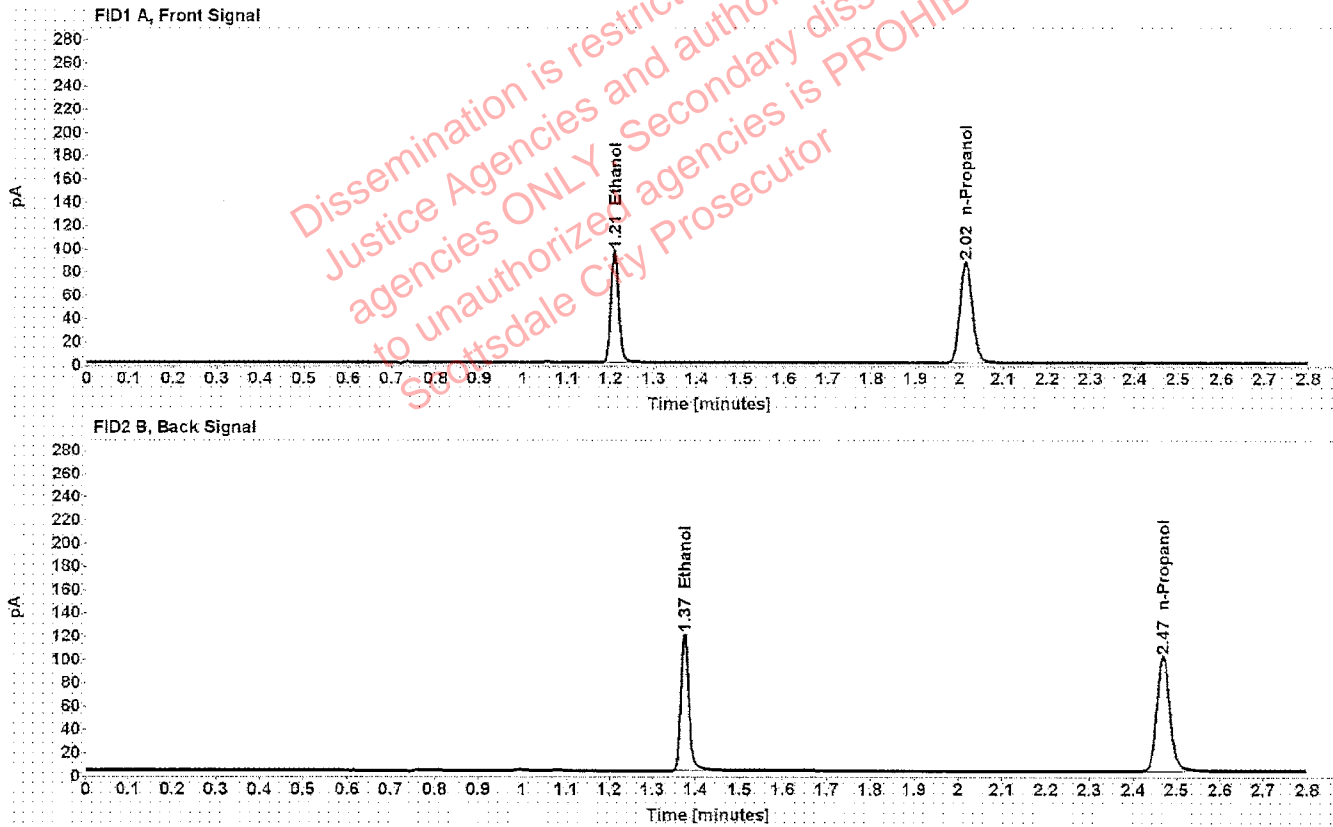


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1995	1.209	124.193
n-Propanol	-----	2.015	173.633

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

Compound	Time (min)	Peak Area
Ethanol	1.374	151.617
n-Propanol	2.469	206.128

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	08012015-C	Vial:	45
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 4:08:47 PM
Data file:	C:\Chem32\1\Data\20Nov19\45.D	Analyst:	Canonico

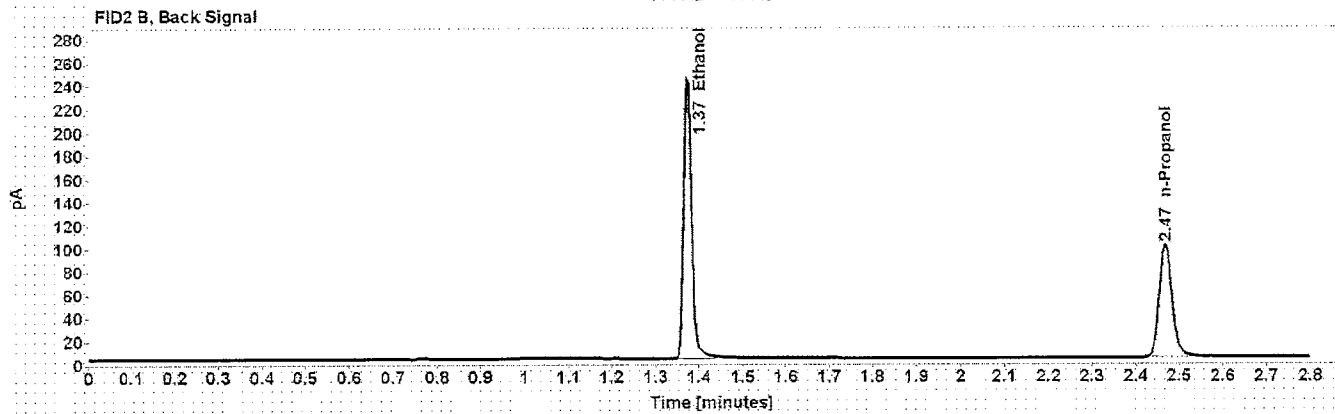
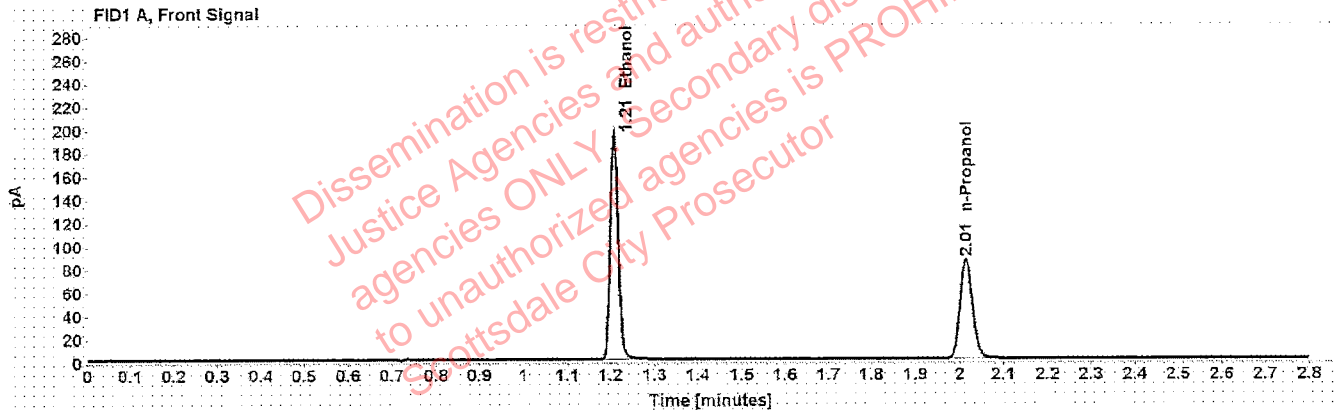


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4032	1.208	249.474
n-Propanol	-----	2.015	171.842

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

Compound	Time (min)	Peak Area
Ethanol	1.374	306.766
n-Propanol	2.468	204.027

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	09022015-A	Vial:	46
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 4:12:45 PM
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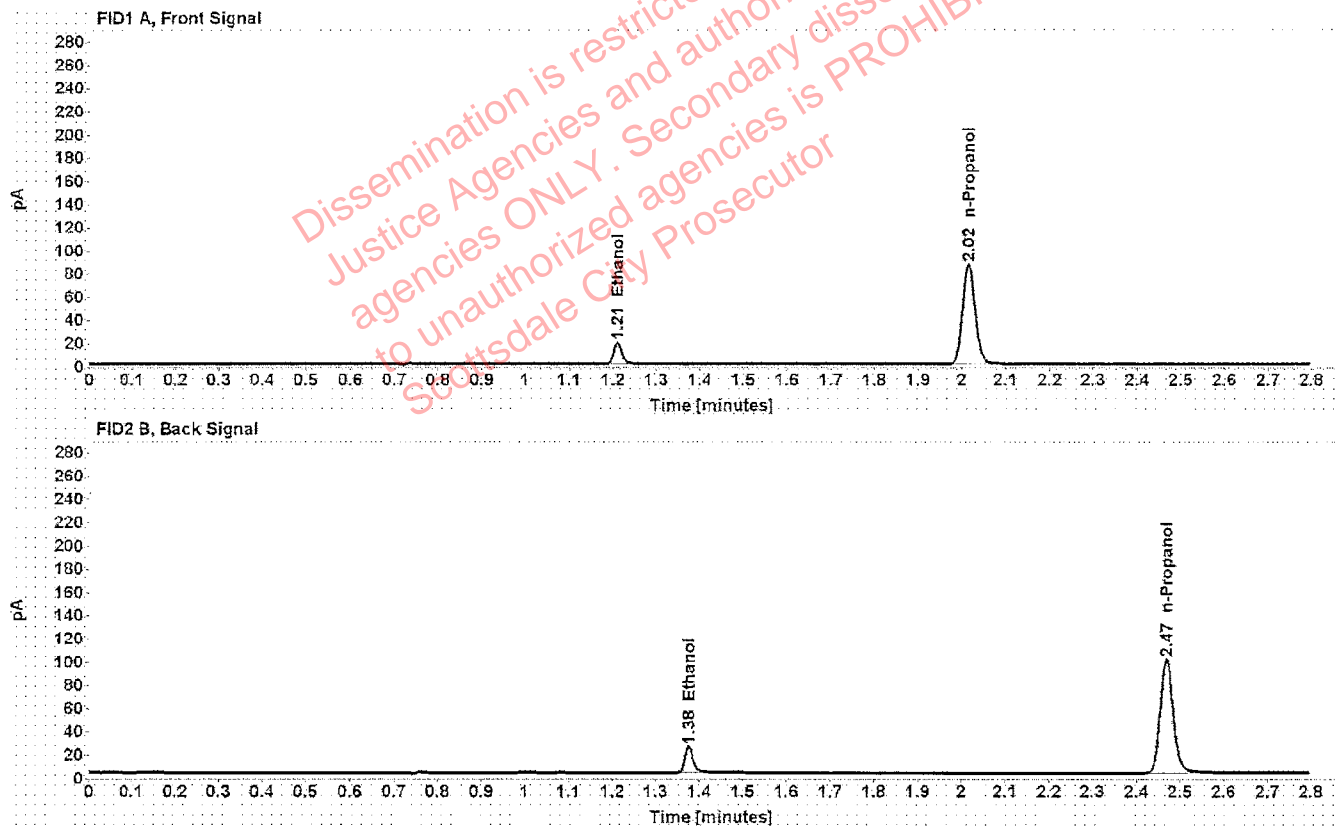


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.211	24.307
n-Propanol	-----	2.015	172.977

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

Compound	Time (min)	Peak Area
Ethanol	1.376	29.426
n-Propanol	2.469	204.700

Scottsdale Police Department Crime Lab Volatiles Analysis

el

Sample:	407041529/13	Vial:	47
Description:	0.198	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 4:16:45 PM
Data file:	C:\Chem32\1\Data\20Nov19\47.D	Analyst:	Canonico

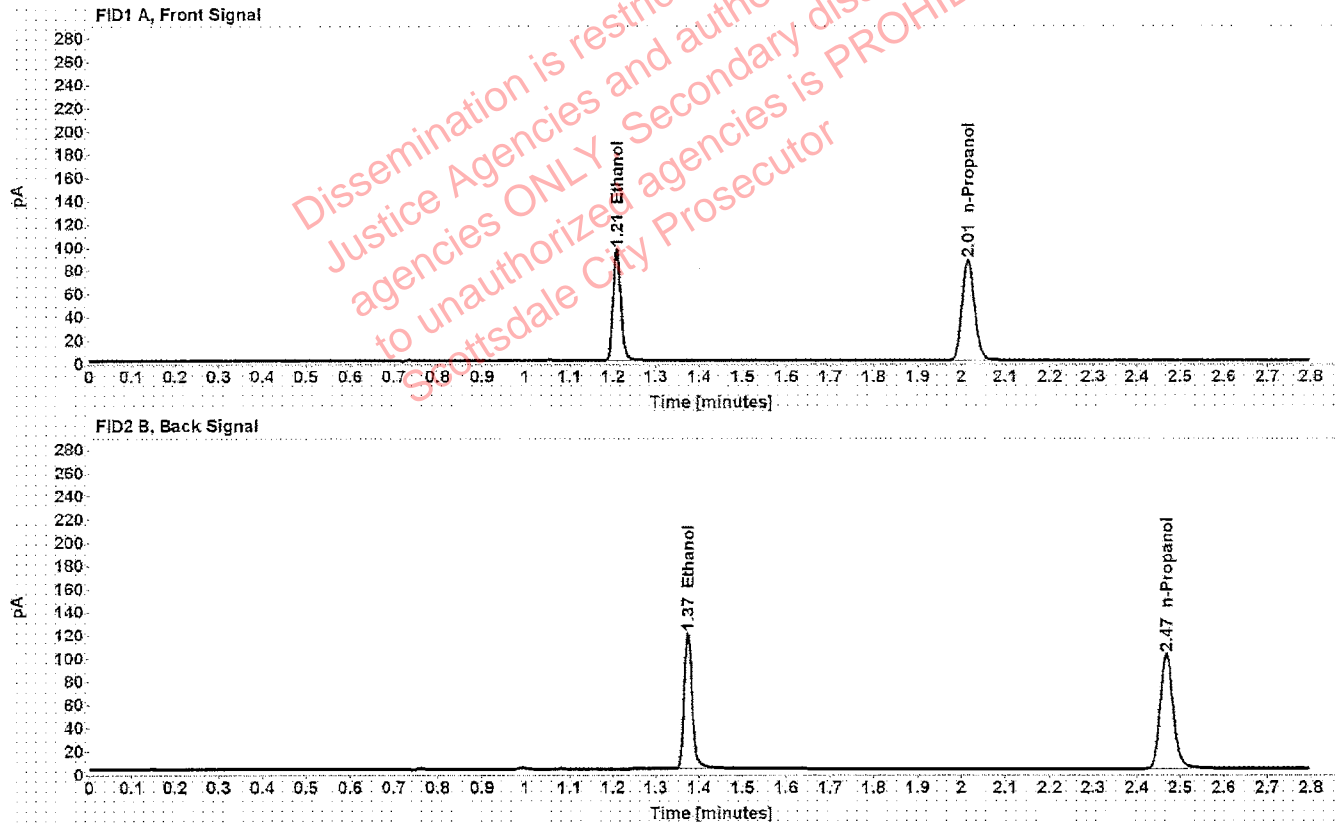


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1982	1.209	123.603
n-Propanol	-----	2.015	173.992

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

Compound	Time (min)	Peak Area
Ethanol	1.374	151.020
n-Propanol	2.468	206.601

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040919WB	Vial:	48
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 4:20:46 PM
Data file:	C:\Chem32\1\Data\20Nov19\48.D	Analyst:	Canonico

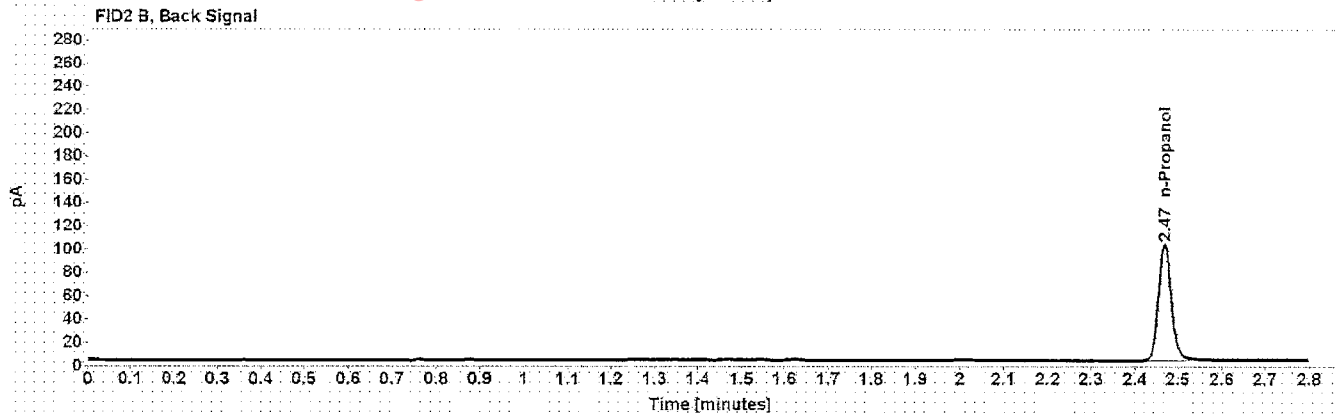


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	176.450

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	209.833

Sequence Summary

EL

Sequence name: 20Nov19 Instrument: US14173023 CN14160045 Analyst: Canonico

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	080519	Negative	Control		ethanol quant.M
6	070819	Volatiles mix	Control		ethanol quant.M
7	08012015-C	0.400	Control		ethanol quant.M
8	09022015-A	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1293041		Sample		ethanol quant.M
11	1293041		Sample		ethanol quant.M
12	1293194		Sample		ethanol quant.M
13	1293194		Sample		ethanol quant.M
14	1293450		Sample		ethanol quant.M
15	1293450		Sample		ethanol quant.M
16	1294893		Sample		ethanol quant.M
17	1294893		Sample		ethanol quant.M
18	1285954		Sample		ethanol quant.M
19	1285954		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1242531		Sample		ethanol quant.M
22	1242531		Sample		ethanol quant.M
23	1296716		Sample		ethanol quant.M
24	1296716		Sample		ethanol quant.M
25	1294726		Sample		ethanol quant.M
26	1294726		Sample		ethanol quant.M
27	1294717		Sample		ethanol quant.M
28	1294717		Sample		ethanol quant.M
29	1295029		Sample		ethanol quant.M
30	1295029		Sample		ethanol quant.M
31	09022015-C	0.150	Control		ethanol quant.M
32	1295112		Sample		ethanol quant.M
33	1295112		Sample		ethanol quant.M
34	1294443		Sample		ethanol quant.M
35	1294443		Sample		ethanol quant.M
36	1294721		Sample		ethanol quant.M
37	1294721		Sample		ethanol quant.M
38	1294899		Sample		ethanol quant.M
39	1294899		Sample		ethanol quant.M
40	1294277		Sample		ethanol quant.M
41	1294277		Sample		ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	1280164		Sample		ethanol quant.M
44	1280164		Sample		ethanol quant.M
45	08012015-C	0.400	Control		ethanol quant.M
46	09022015-A	0.040	Control		ethanol quant.M
47	407041529/13	0.198	Control		ethanol quant.M

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

Sequence Summary

48	040919WB	Negative	Control	ethanol quant.M
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Dissemination is restricted to Criminal
Justice Agencies and authorized NON-C.J.
agencies ONLY. Secondary dissemination
to unauthorized agencies is PROHIBITED.
Scottsdale City Prosecutor

Scottsdale Police Department Crime Laboratory

Summary of Cases

EQ

SEQUENCE NAME: 20Nov19

ANALYST: Canonico

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1463	0.1450	0.14565	0.45	0.00065
12 13	0.1768	0.1783	0.17755	0.42	0.00075
14 15	0.3296	0.3297	0.32965	0.02	0.00005
16 17	0.1099	0.1112	0.11055	0.59	0.00065
18 19	0.0929	0.0941	0.09350	0.64	0.00060
21 22	0.2350	0.2347	0.23485	0.06	0.00015
23 24	0.2518	0.2531	0.25245	0.26	0.00065
25 26	0.1630	0.1629	0.16295	0.03	0.00005
27 28	0.3964	0.3968	0.39660	0.05	0.00020
29 30	0.1535	0.1527	0.15310	0.26	0.00040
32 33	0.2284	0.2292	0.22880	0.17	0.00040
34 35	0.3093	0.3095	0.30940	0.03	0.00010
36 37	0.1127	0.1123	0.11250	0.18	0.00020
38 39	0.2039	0.2019	0.20290	0.49	0.00100
40 41	0.2733	0.2724	0.27285	0.16	0.00045
43 44	0.1490	0.1492	0.14910	0.07	0.00010

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

Case: [REDACTED] User: ecanonico 11/21/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293041	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:47:16 PM
Data file:	C:\Chem32\1\Data\20Nov19\10.D	Analyst:	Canonico

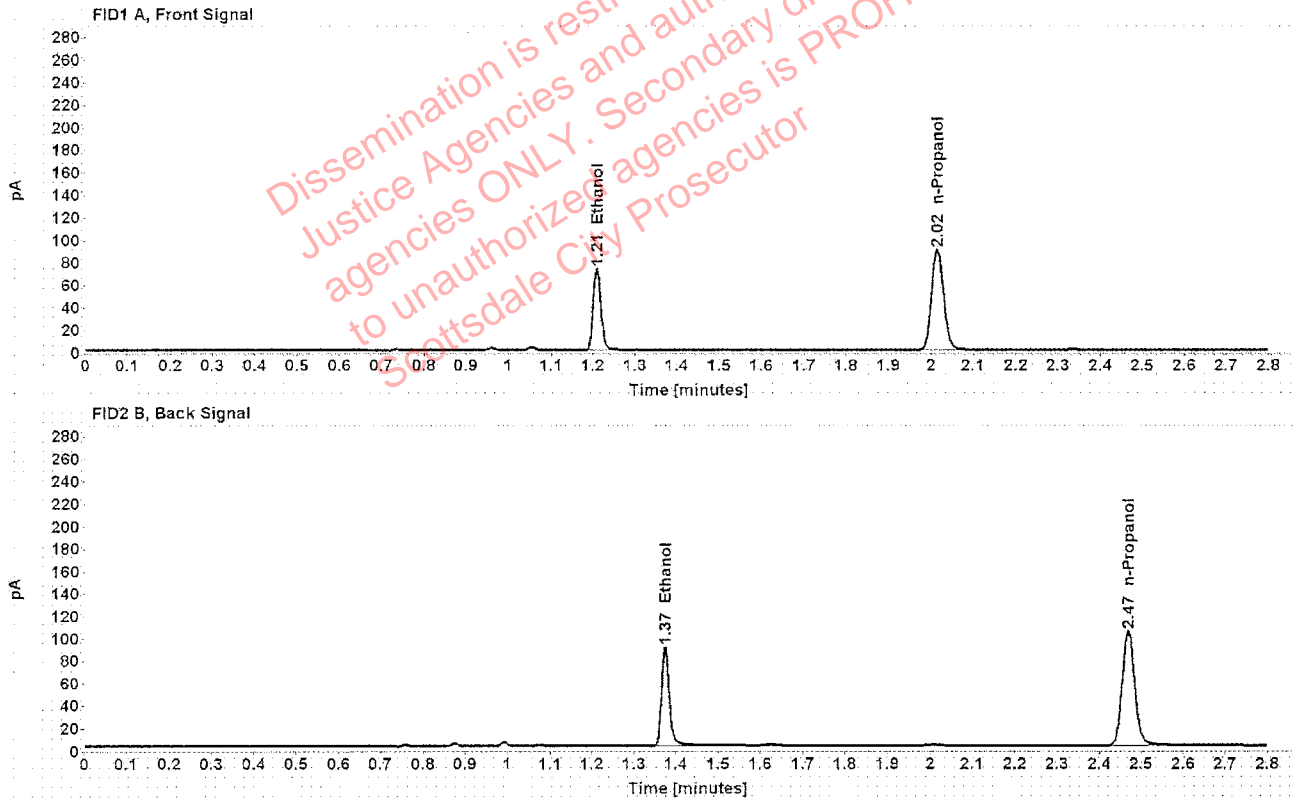


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1463	1.209	93.194
n-Propanol	-----	2.015	178.234

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

Compound	Time (min)	Peak Area
Ethanol	1.375	114.725
n-Propanol	2.469	211.555

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293041	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:51:14 PM
Data file:	C:\Chem32\1\Data\20Nov19\11.D	Analyst:	Canonico

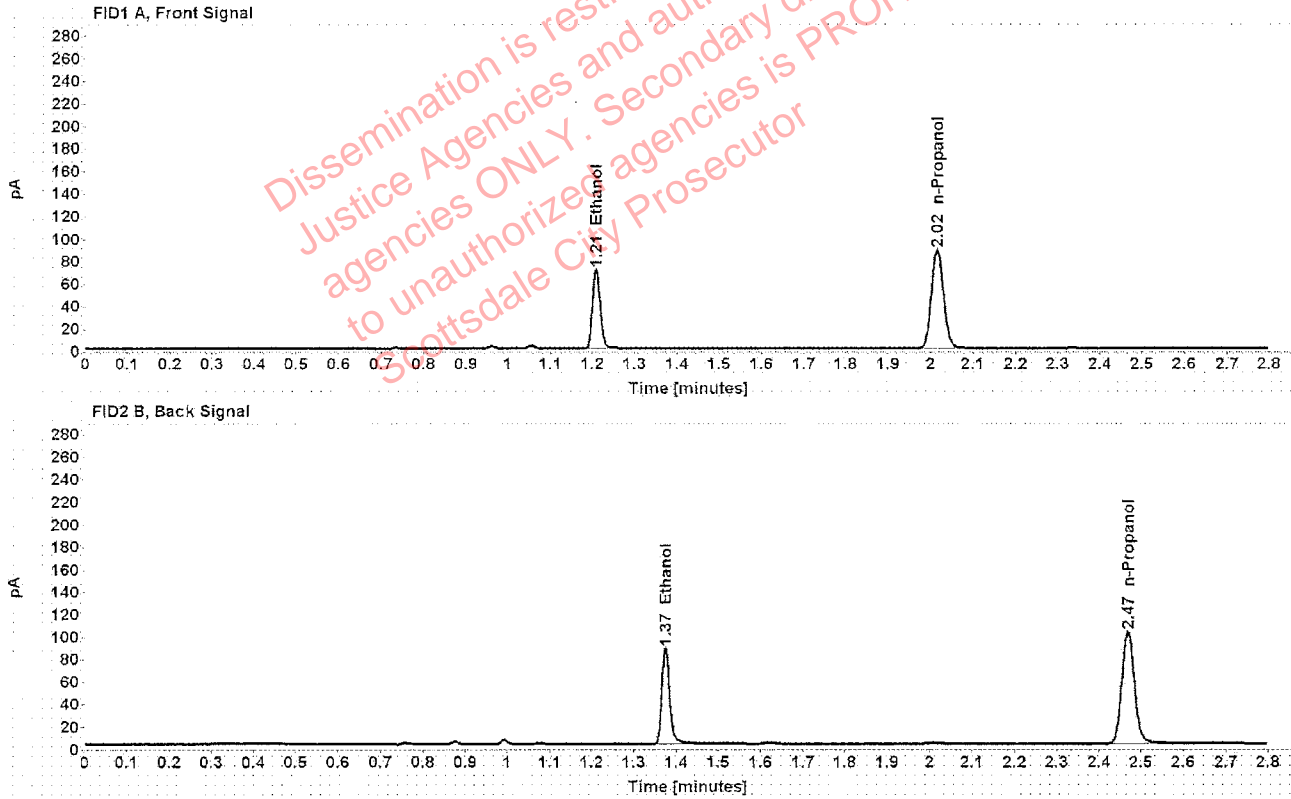


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1450	1.209	90.534
n-Propanol	-----	2.015	174.727

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

Compound	Time (min)	Peak Area
Ethanol	1.375	111.398
n-Propanol	2.469	207.218

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293194	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:55:16 PM
Data file:	C:\Chem32\1\Data\20Nov19\12.D	Analyst:	Canonico

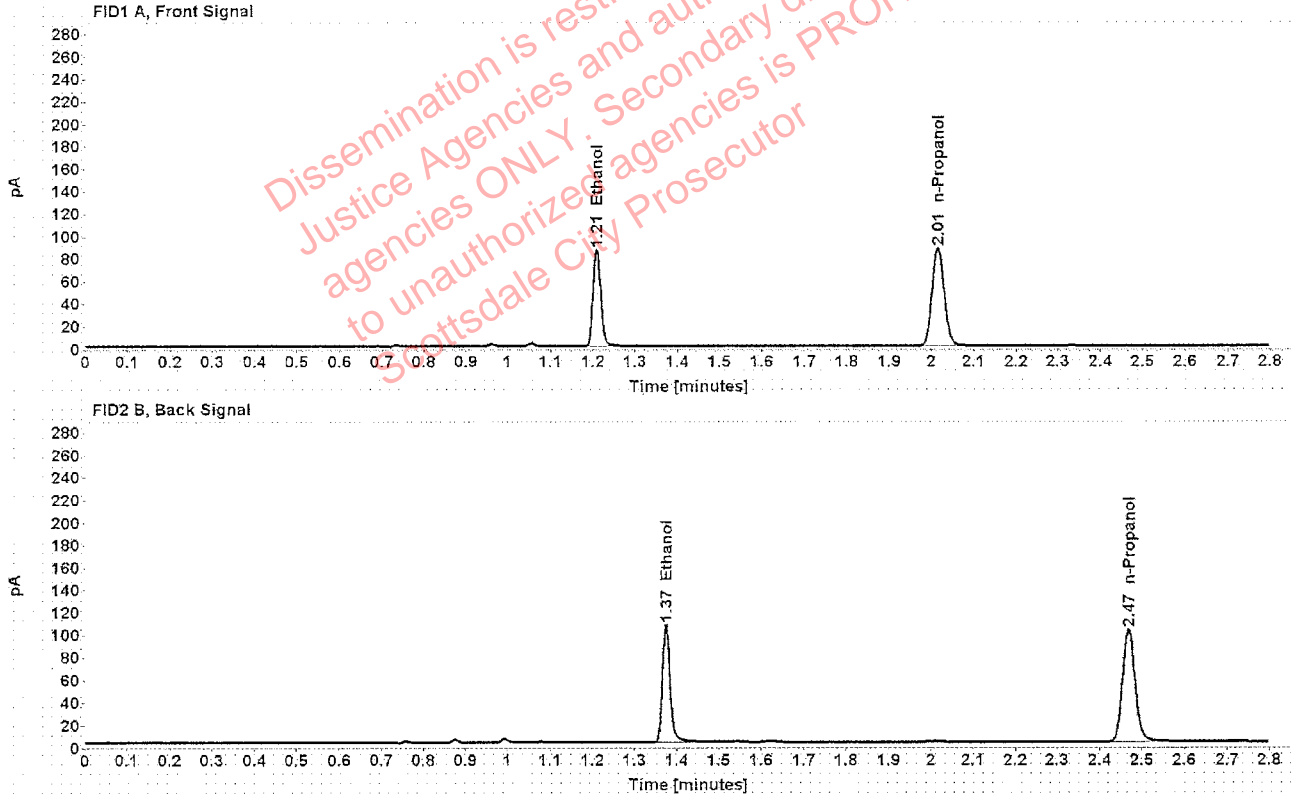


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1768	1.209	110.586
n-Propanol	-----	2.015	174.646

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

Compound	Time (min)	Peak Area
Ethanol	1.374	135.975
n-Propanol	2.468	206.759

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293194	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 1:59:29 PM
Data file:	C:\Chem32\11\Data\20Nov19\13.D	Analyst:	Canonico

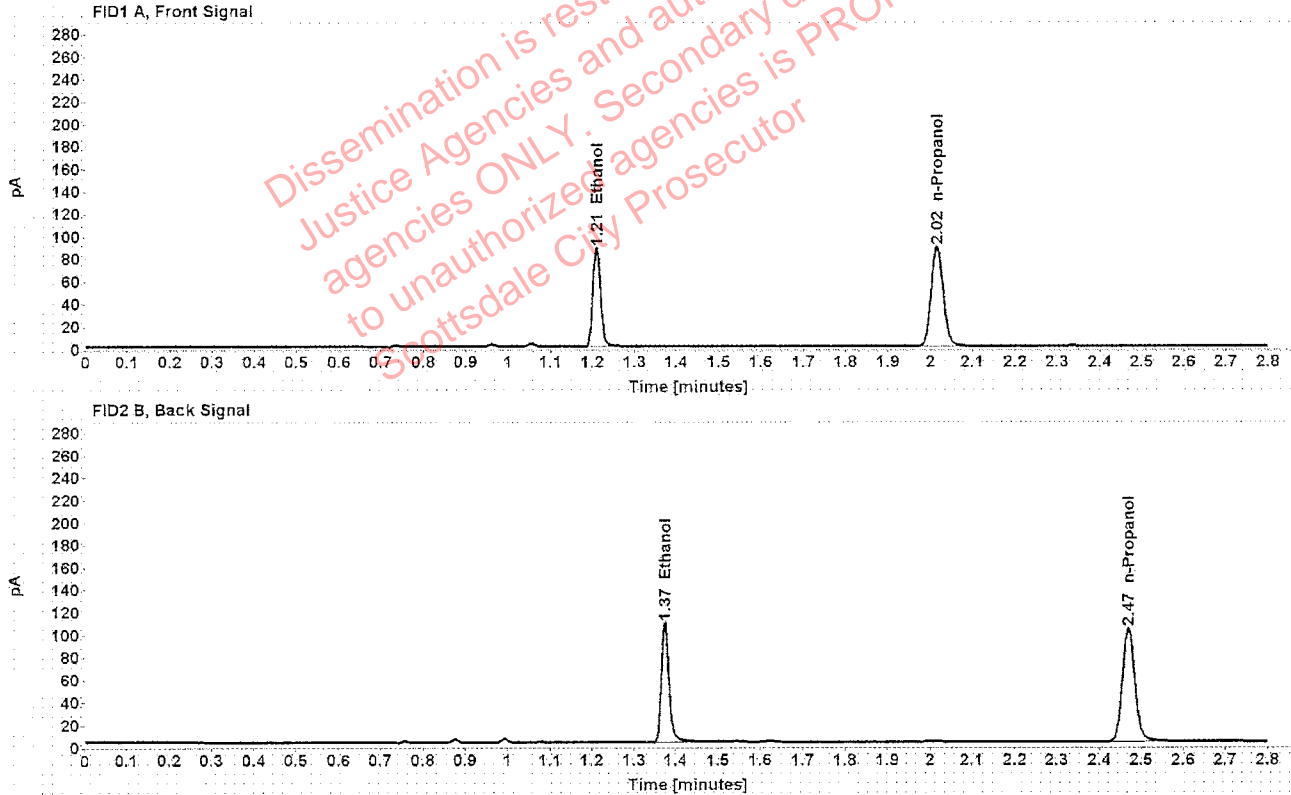


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1783	1.209	112.809
n-Propanol	-----	2.015	176.697

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

Compound	Time (min)	Peak Area
Ethanol	1.375	137.982
n-Propanol	2.469	209.347

Case: [REDACTED] User: ecanonico 11/21/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293450	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:03:32 PM
Data file:	C:\Chem32\11\Data\20Nov19\14.D	Analyst:	Canonico

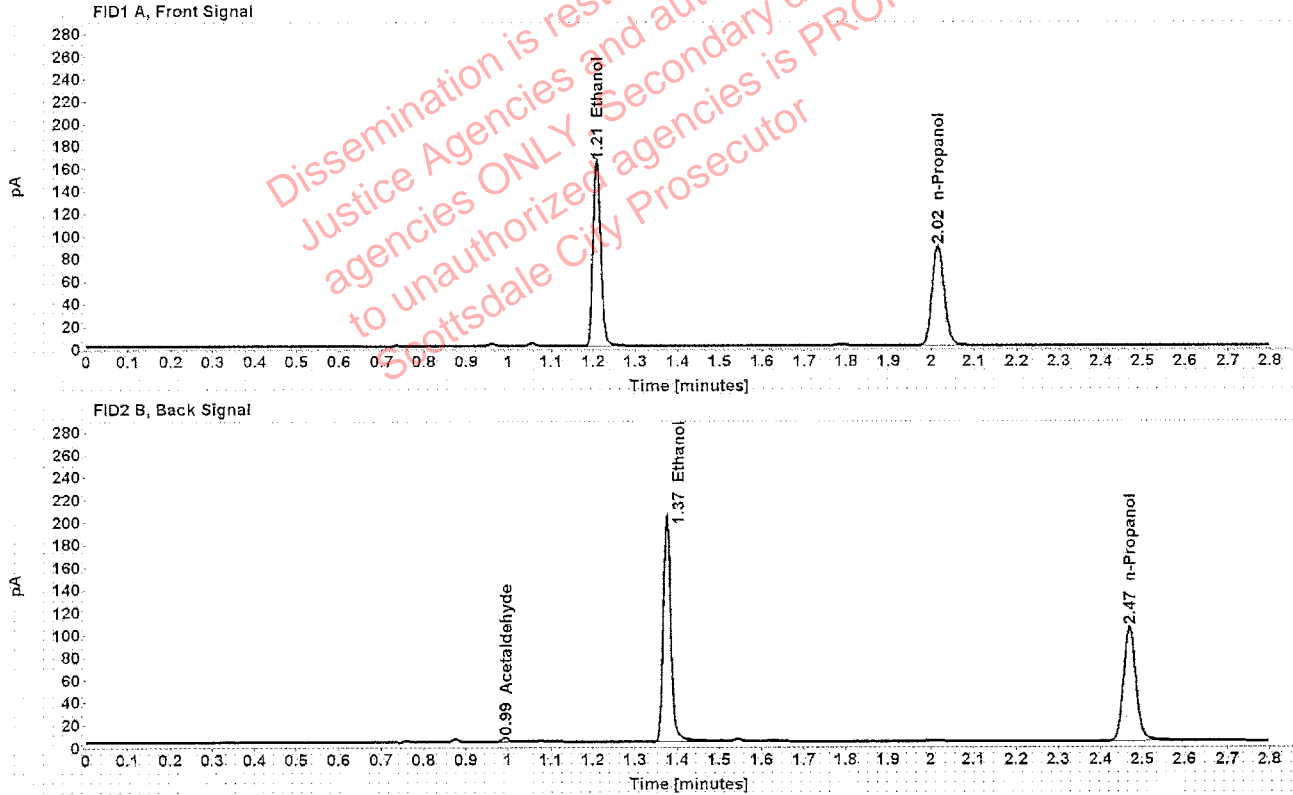


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3296	1.209	209.855
n-Propanol	-----	2.015	176.964

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.794
Ethanol	1.374	257.763
n-Propanol	2.469	208.848

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293450	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:07:30 PM
Data file:	C:\Chem32\1\Data\20Nov19\15.D	Analyst:	Canonico

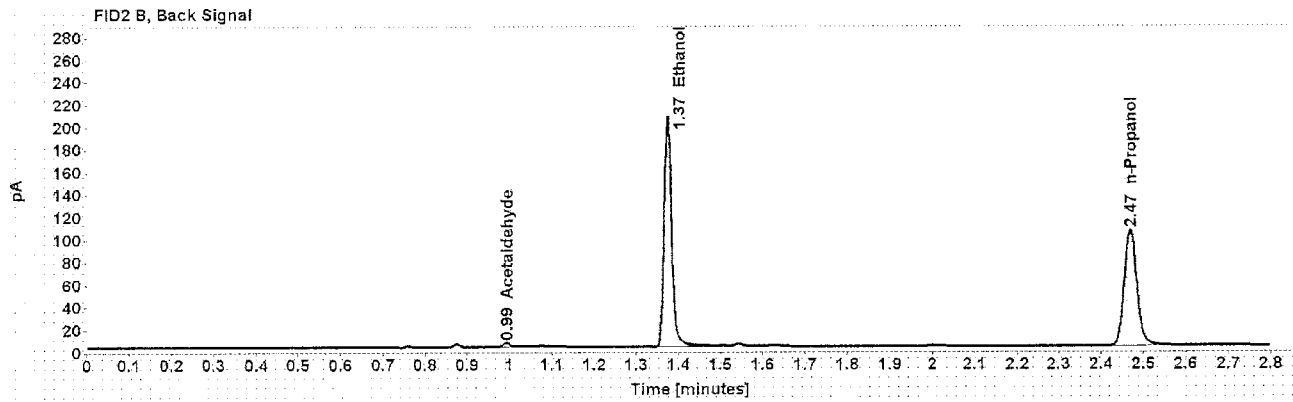
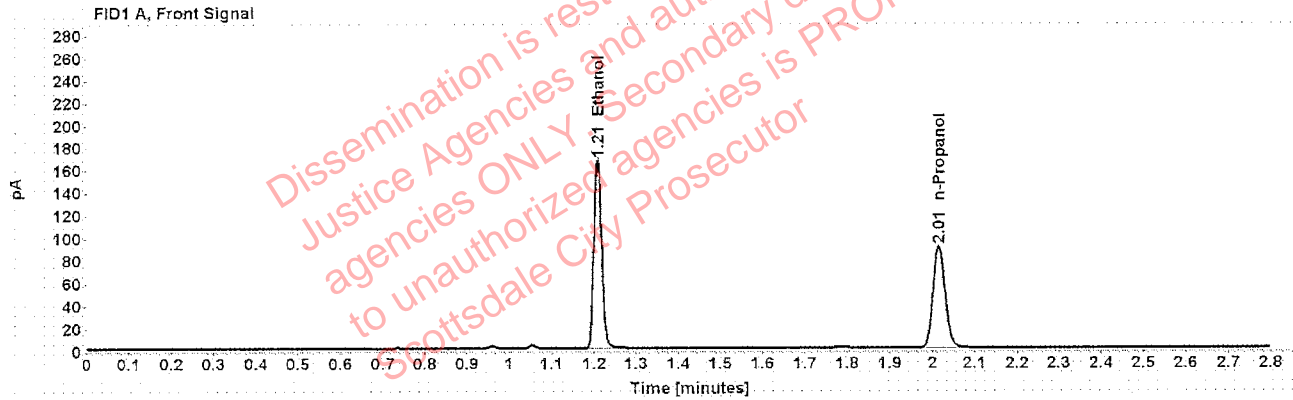


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3297	1.209	213.427
n-Propanol	-----	2.015	179.922

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.845
Ethanol	1.374	262.313
n-Propanol	2.469	212.673

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294893	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:11:30 PM
Data file:	C:\Chem32\11\Data\20Nov19\16.D	Analyst:	Canonico

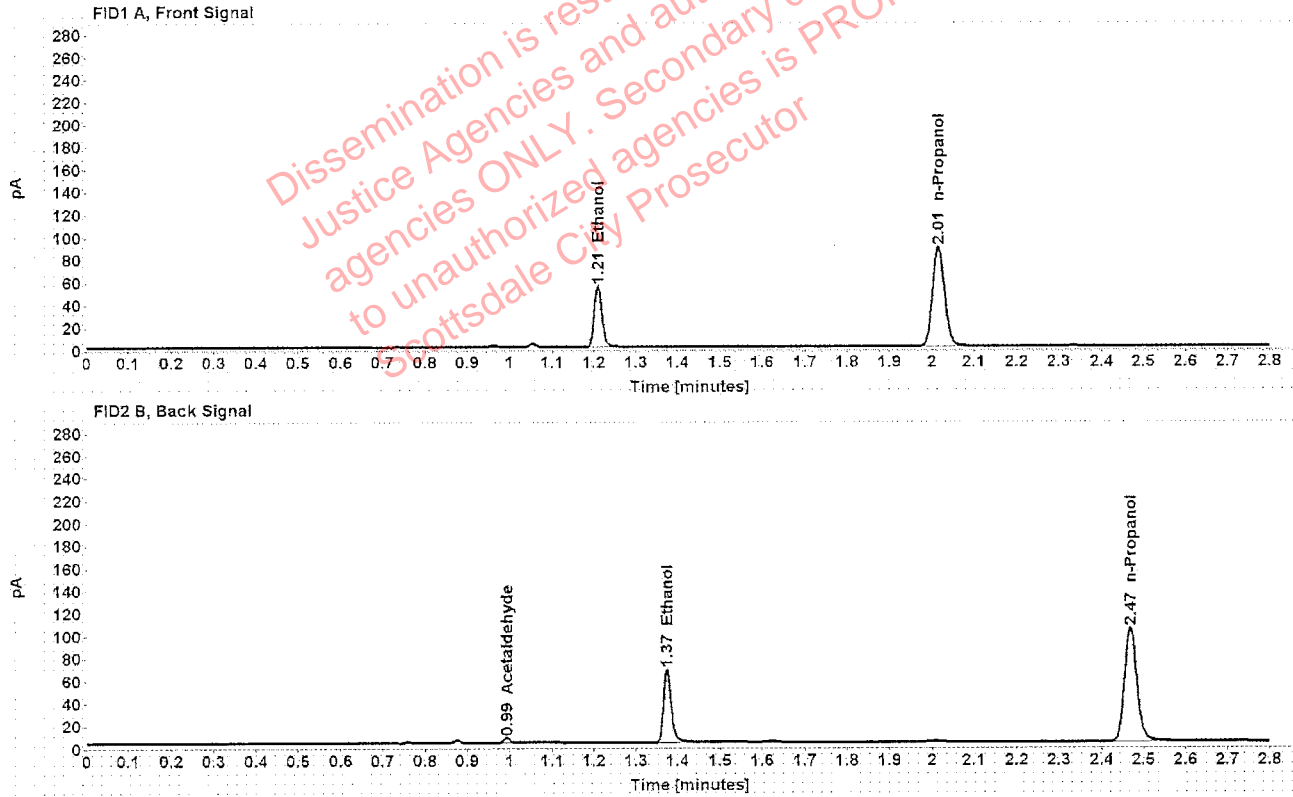


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1099	1.210	69.233
n-Propanol	-----	2.015	176.995

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.097
Ethanol	1.375	84.002
n-Propanol	2.469	210.352

Case: [REDACTED] User: ecanonico 11/21/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294893	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:15:30 PM
Data file:	C:\Chem32\1\Data\20Nov19\17.D	Analyst:	Canonico

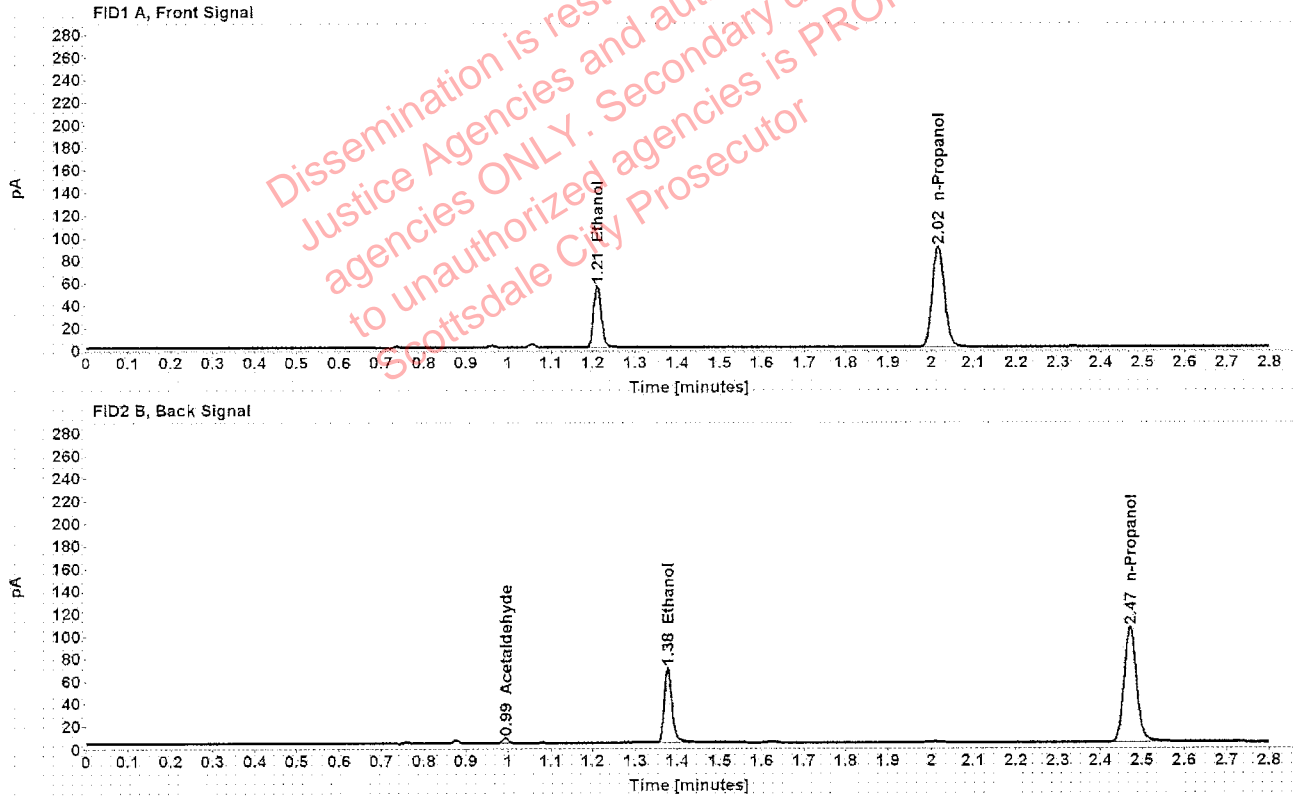


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1112	1.211	70.740
n-Propanol	-----	2.016	178.651

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.105
Ethanol	1.377	85.423
n-Propanol	2.471	211.778

Case: [REDACTED] User: ecanonico 11/21/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1285954	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:19:31 PM
Data file:	C:\Chem32\11\Data\20Nov19\18.D	Analyst:	Canonico

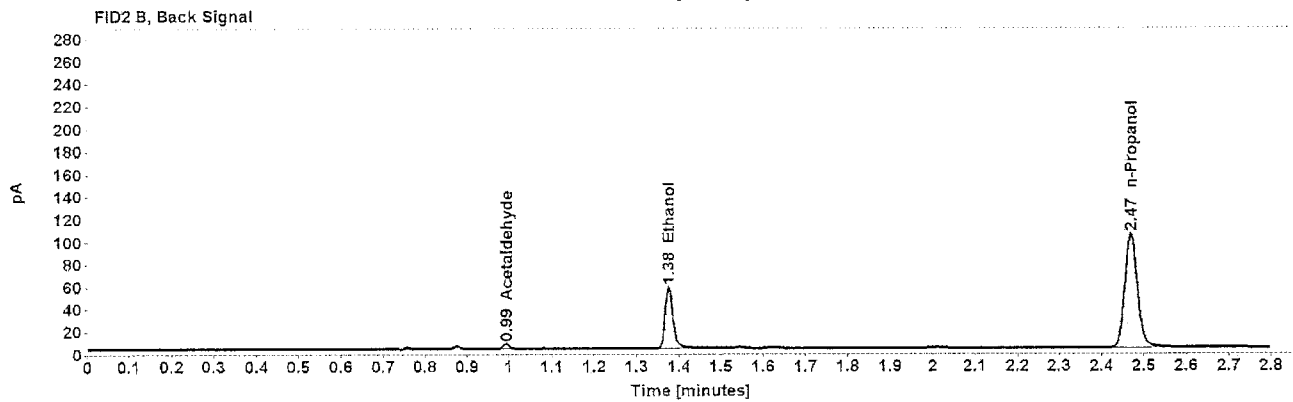
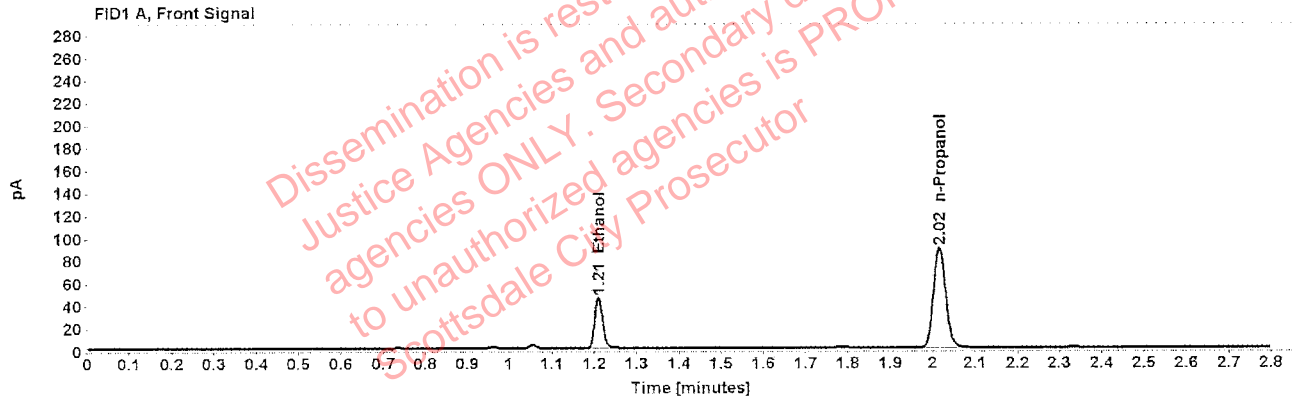


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0929	1.210	58.589
n-Propanol	-----	2.015	177.588

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.206
Ethanol	1.375	70.779
n-Propanol	2.469	210.763

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1285954	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:23:45 PM
Data file:	C:\Chem3211\Data\20Nov19\19.D	Analyst:	Canonico

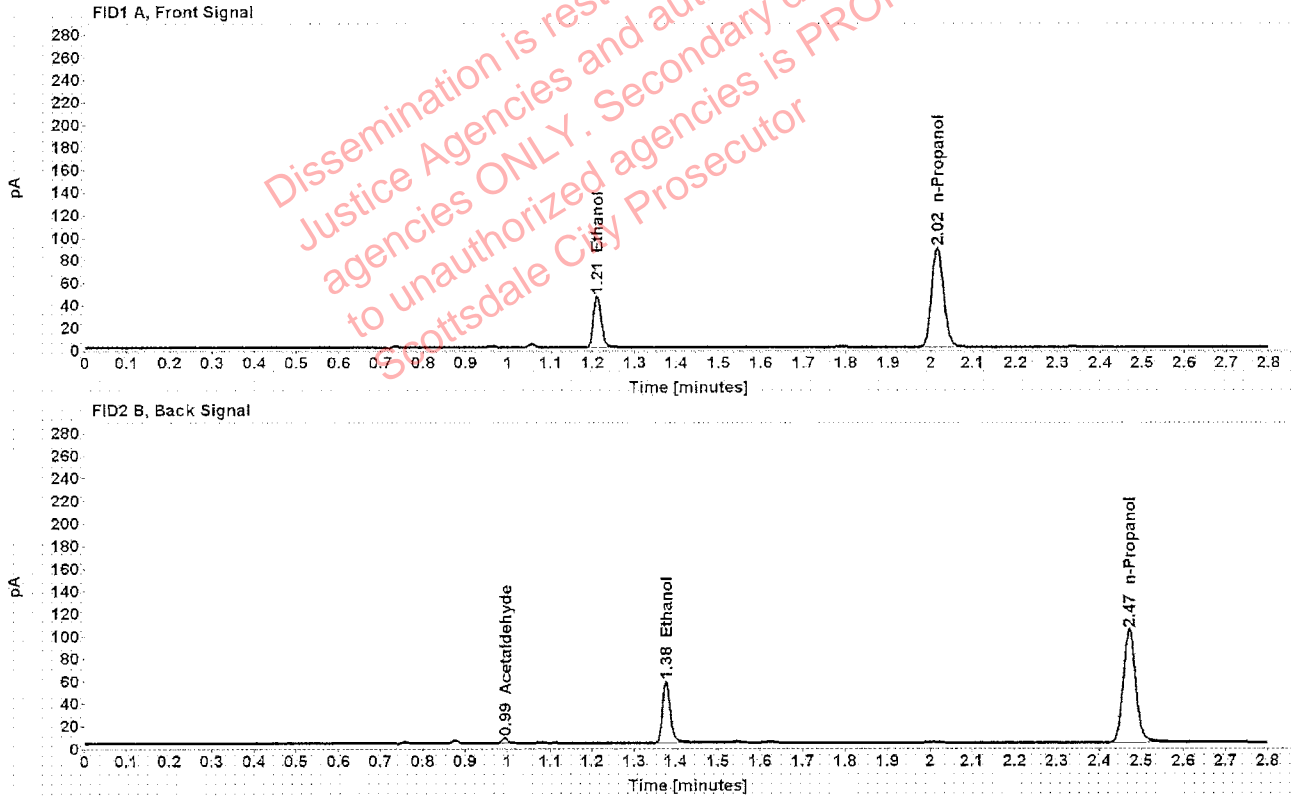


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0941	1.211	58.837
n-Propanol	-----	2.016	176.051

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.014
Ethanol	1.377	70.753
n-Propanol	2.470	208.435

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1242531	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:31:45 PM
Data file:	C:\Chem32\1\Data\20Nov19\21.D	Analyst:	Canonico

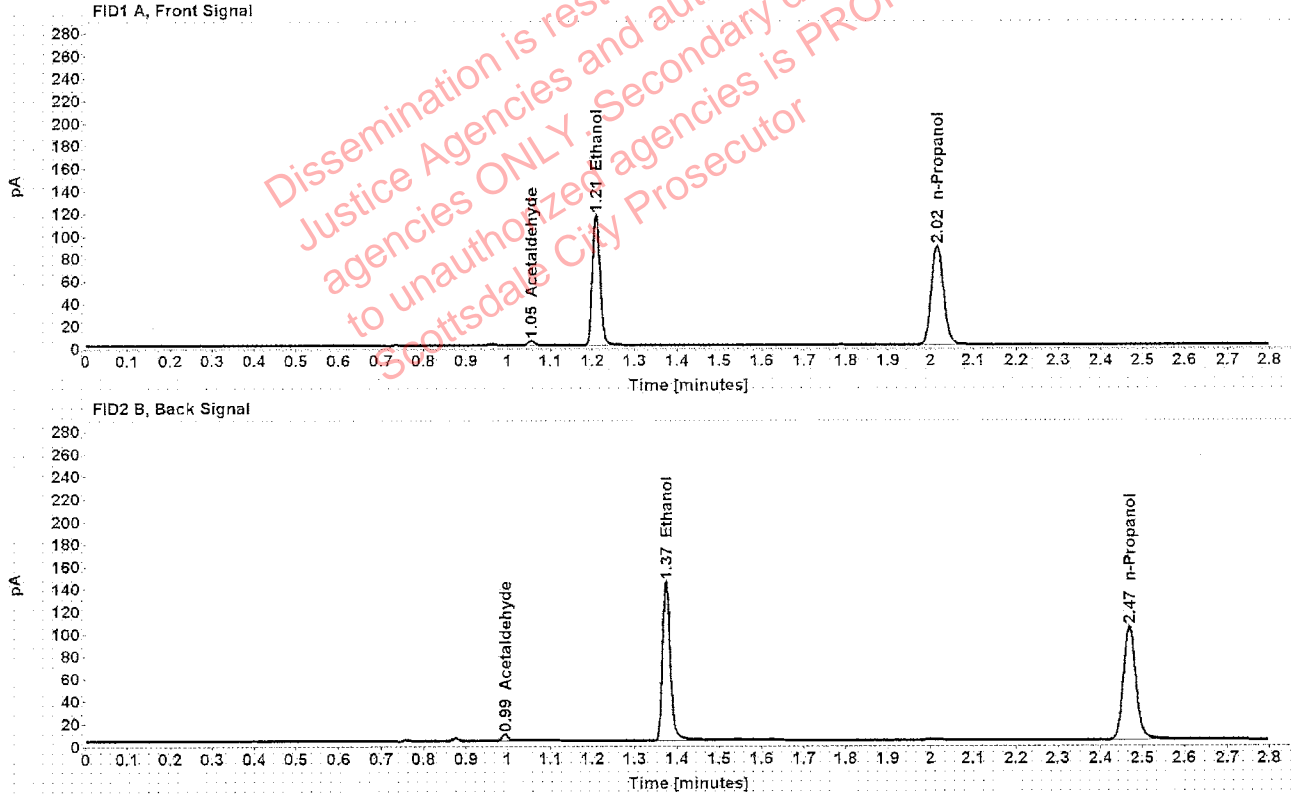


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.226
>Ethanol	0.2350	1.209	149.403
n-Propanol	-----	2.015	177.078

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.522
Ethanol	1.374	183.270
n-Propanol	2.469	210.252

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1242531	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:35:47 PM
Data file:	C:\Chem32\11\Data\20Nov19\22.D	Analyst:	Canonico

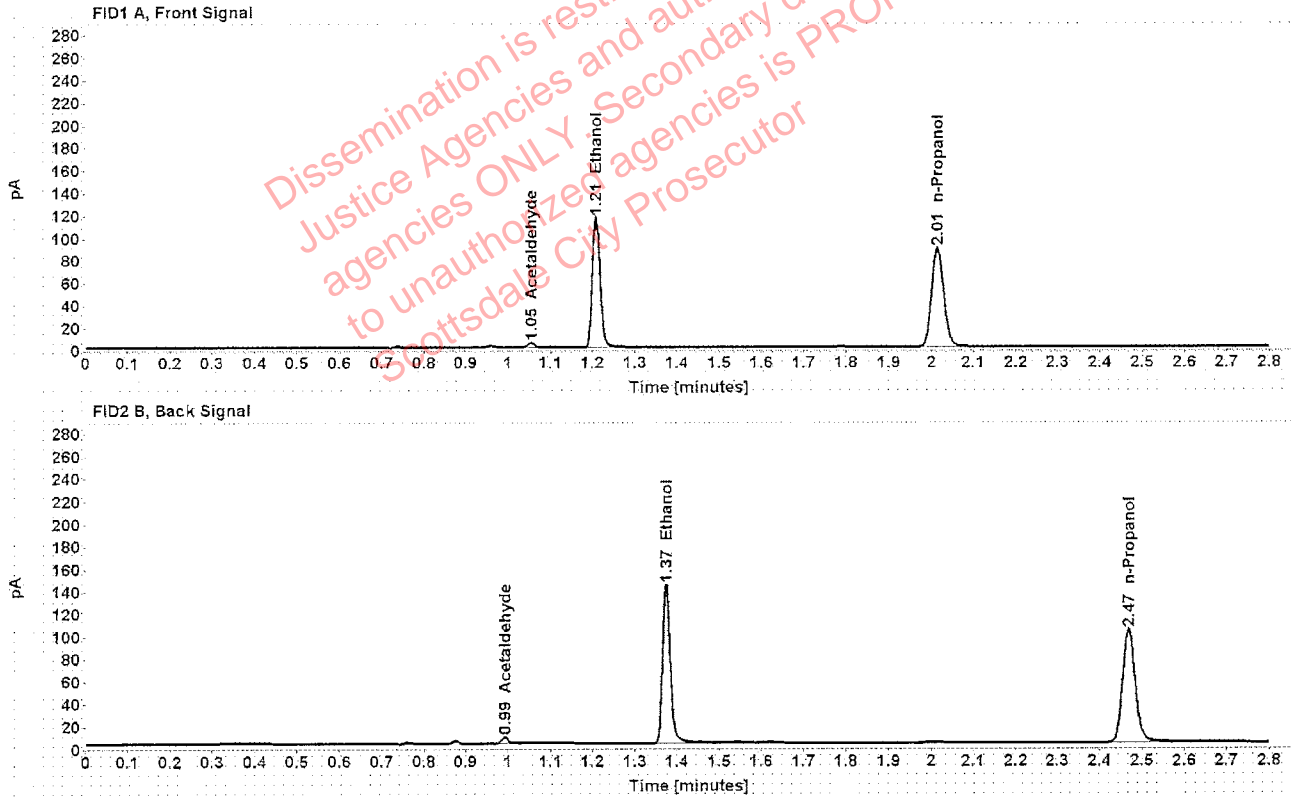


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.148
>Ethanol	0.2347	1.209	148.524
n-Propanol	-----	2.015	176.265

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.409
Ethanol	1.374	182.729
n-Propanol	2.469	209.516

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296716	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:39:45 PM
Data file:	C:\Chem3211\Data\20Nov19\23.D	Analyst:	Canonico

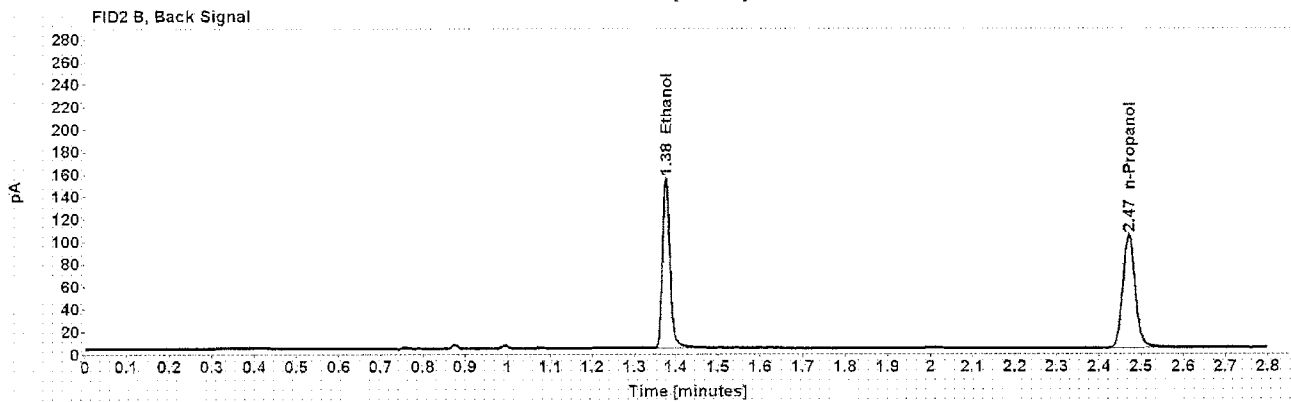
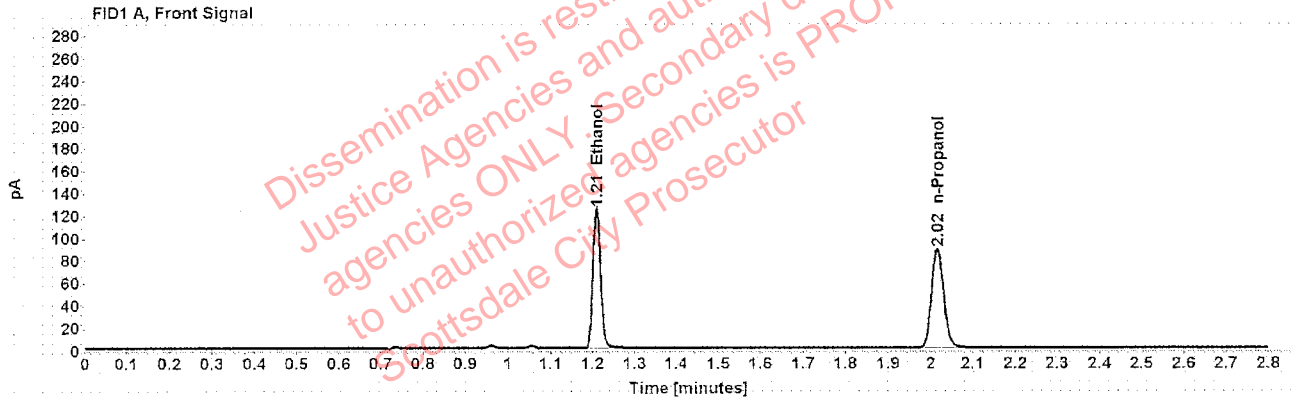


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanoi	0.2518	1.210	159.093
n-Propanol	-----	2.016	175.938

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

Compound	Time (min)	Peak Area
Ethanol	1.376	195.825
n-Propanol	2.470	207.949

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296716	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:43:45 PM
Data file:	C:\Chem32\11\Data\20Nov19\24.D	Analyst:	Canonico

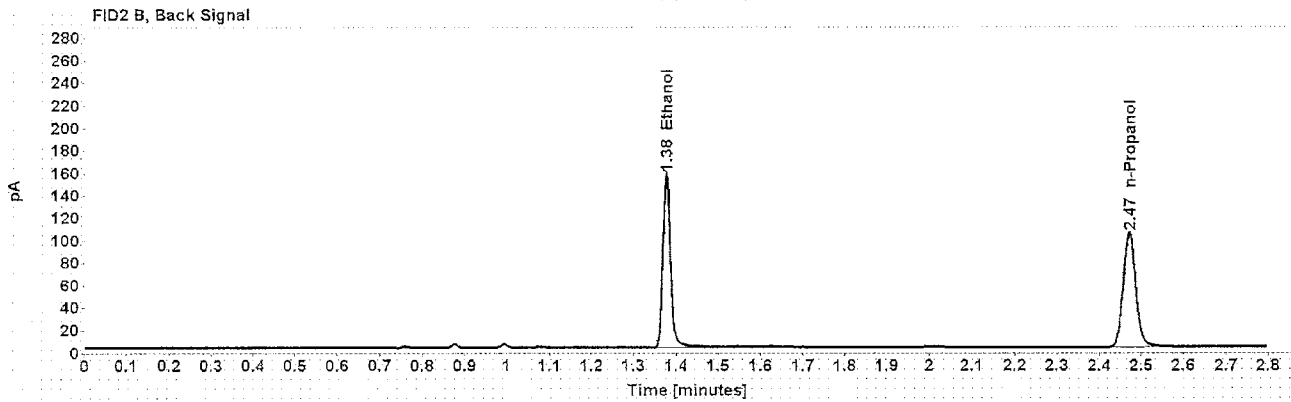
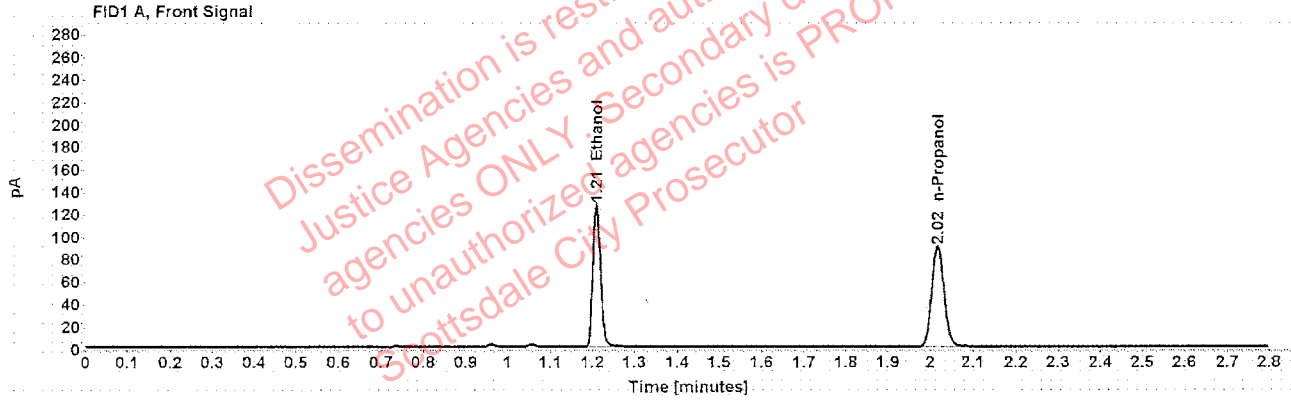


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2531	1.210	161.933
n-Propanol	-----	2.016	178.124

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

Compound	Time (min)	Peak Area
Ethanol	1.376	198.466
n-Propanol	2.471	210.641

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294726	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:48:01 PM
Data file:	C:\Chem32\11\Data\20Nov19\25.D	Analyst:	Canonico

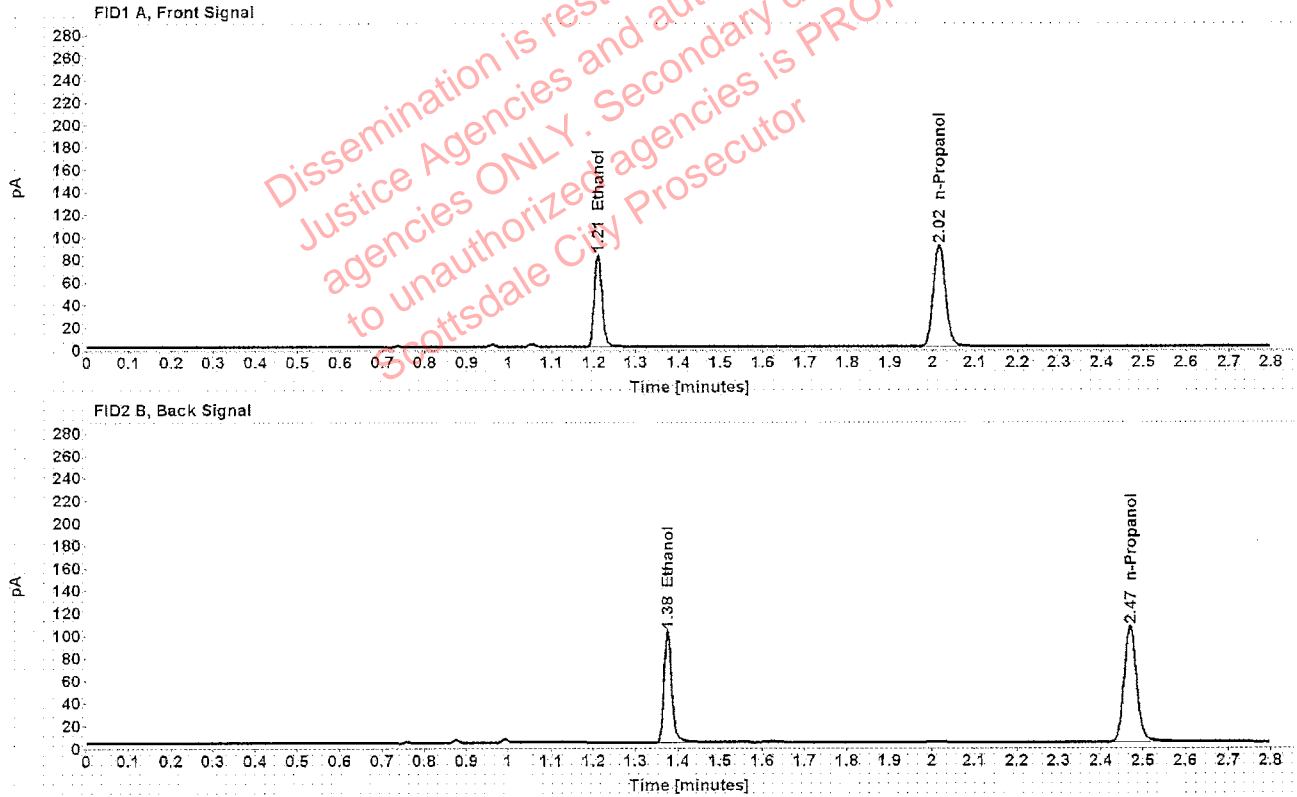


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1630	1.210	105.043
n-Propanol	-----	2.015	180.118

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

Compound	Time (min)	Peak Area
Ethanol	1.375	128.935
n-Propanol	2.469	213.978

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294726	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:52:02 PM
Data file:	C:\Chem32\11\Data\20Nov19\26.D	Analyst:	Canonico

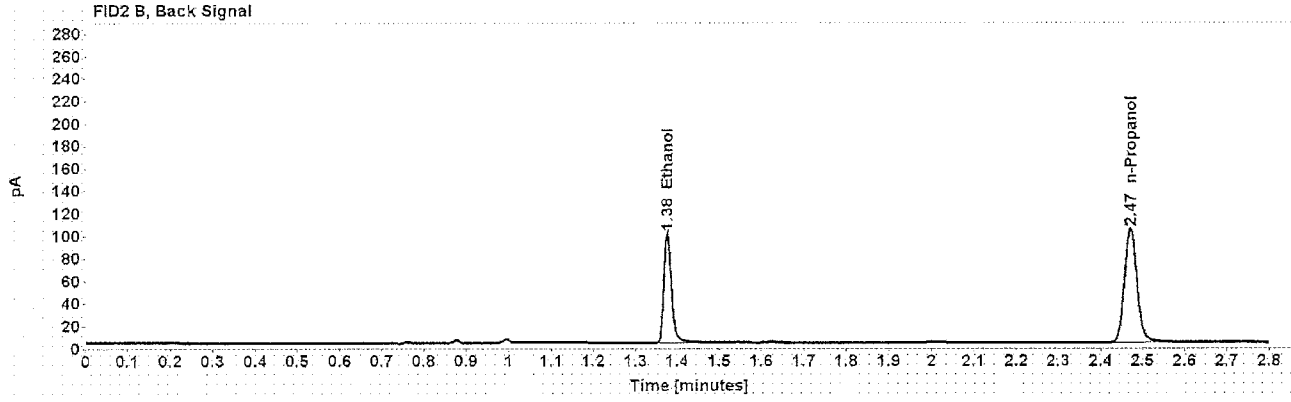
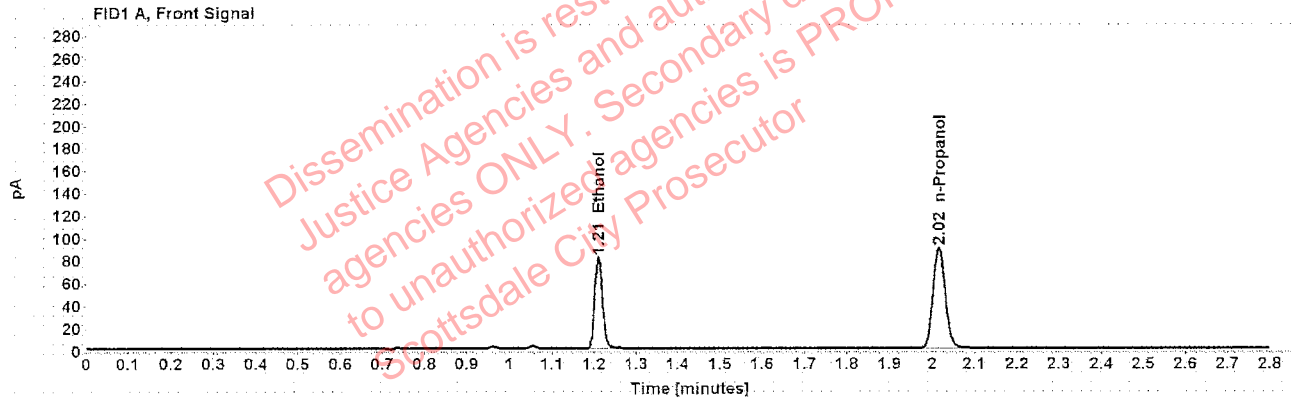


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1629	1.210	104.078
n-Propanol	-----	2.016	178.518

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

Compound	Time (min)	Peak Area
Ethanol	1.376	128.256
n-Propanol	2.470	211.164

Case: [REDACTED] User: ecanonico 11/21/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294717	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 2:56:00 PM
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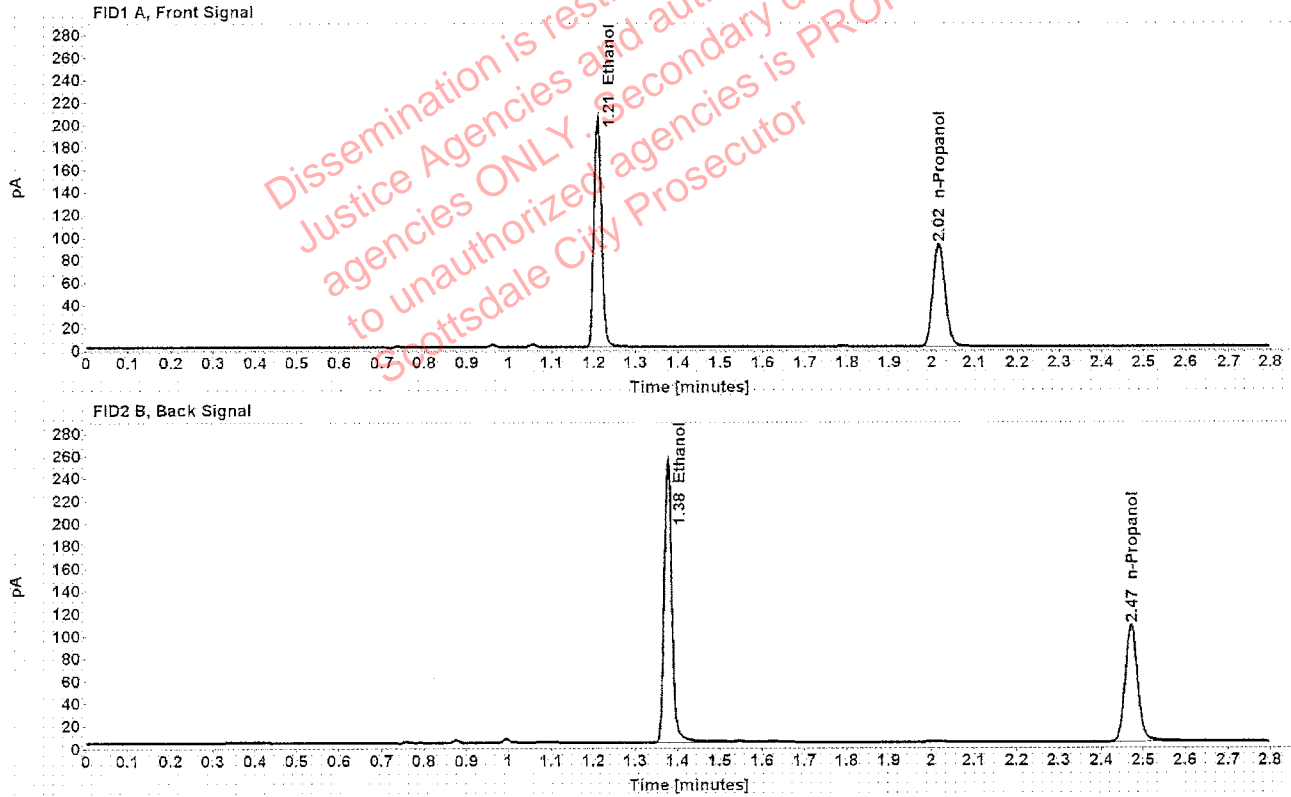


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3964	1.210	259.795
n-Propanol	-----	2.016	182.018

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

Compound	Time (min)	Peak Area
Ethanol	1.376	320.679
n-Propanol	2.471	215.459

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294717	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:00:00 PM
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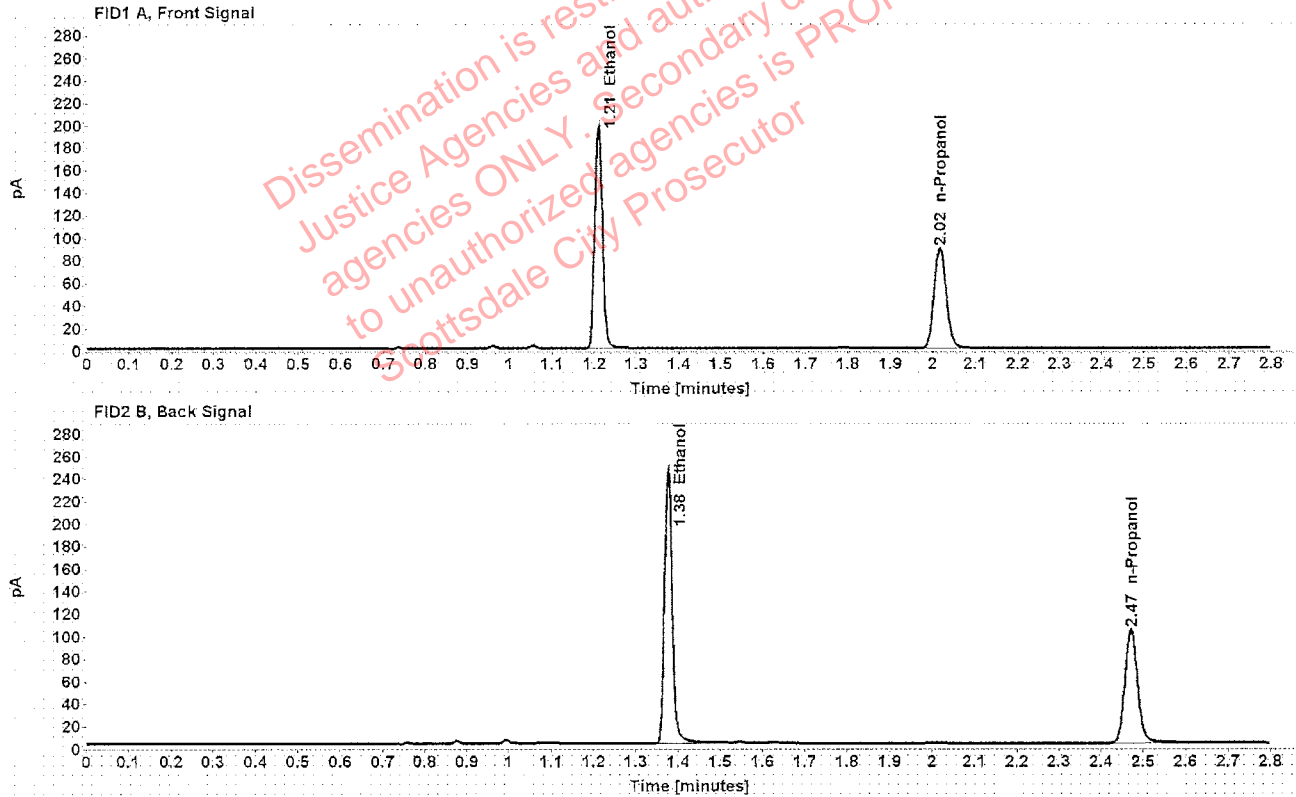


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3968	1.210	252.987
n-Propanol	-----	2.016	177.057

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

Compound	Time (min)	Peak Area
Ethanol	1.376	311.875
n-Propanol	2.471	209.391

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295029	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:03:59 PM
Data file:	C:\Chem32\11\Data\20Nov19\29.D	Analyst:	Canonico

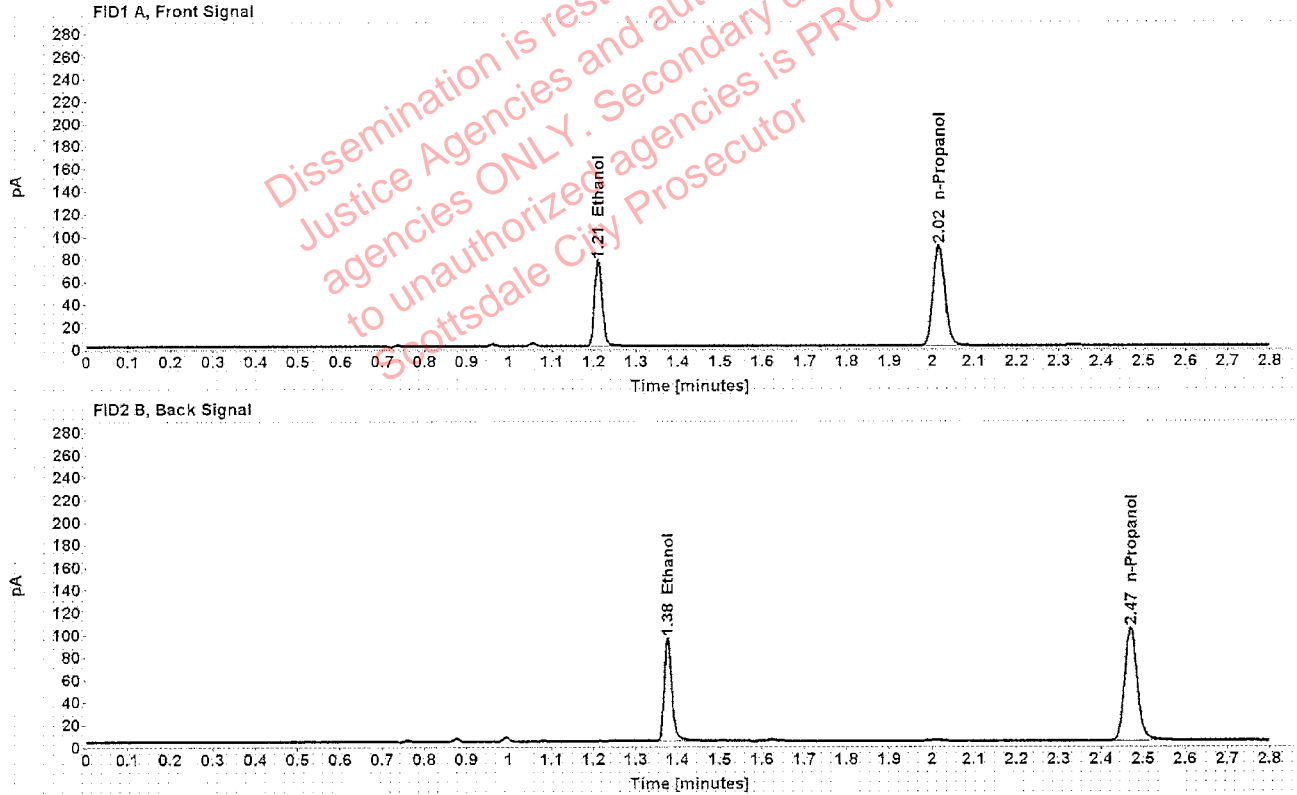


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1535	1.210	97.780
n-Propanol	-----	2.016	178.158

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

Compound	Time (min)	Peak Area
Ethanol	1.376	120.371
n-Propanol	2.470	210.649

Case: [REDACTED] User: ecanonico 11/21/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295029	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:08:00 PM
Data file:	C:\Chem32\11\Data\20Nov19\30.D	Analyst:	Canonico

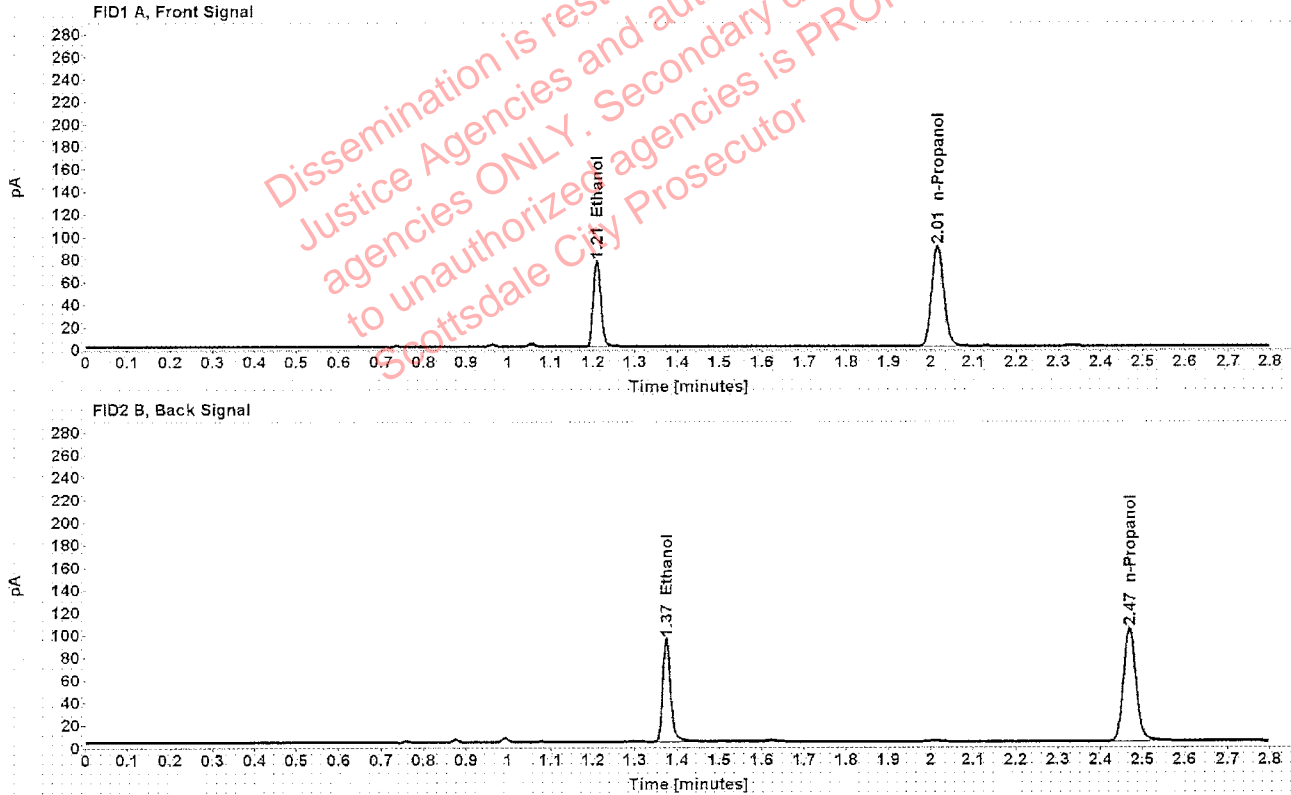


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1527	1.209	97.314
n-Propanol	-----	2.015	178.218

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

Compound	Time (min)	Peak Area
Ethanol	1.375	120.000
n-Propanol	2.469	210.868

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295112	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:16:14 PM
Data file:	C:\Chem32\11\Data\20Nov19\32.D	Analyst:	Canonico

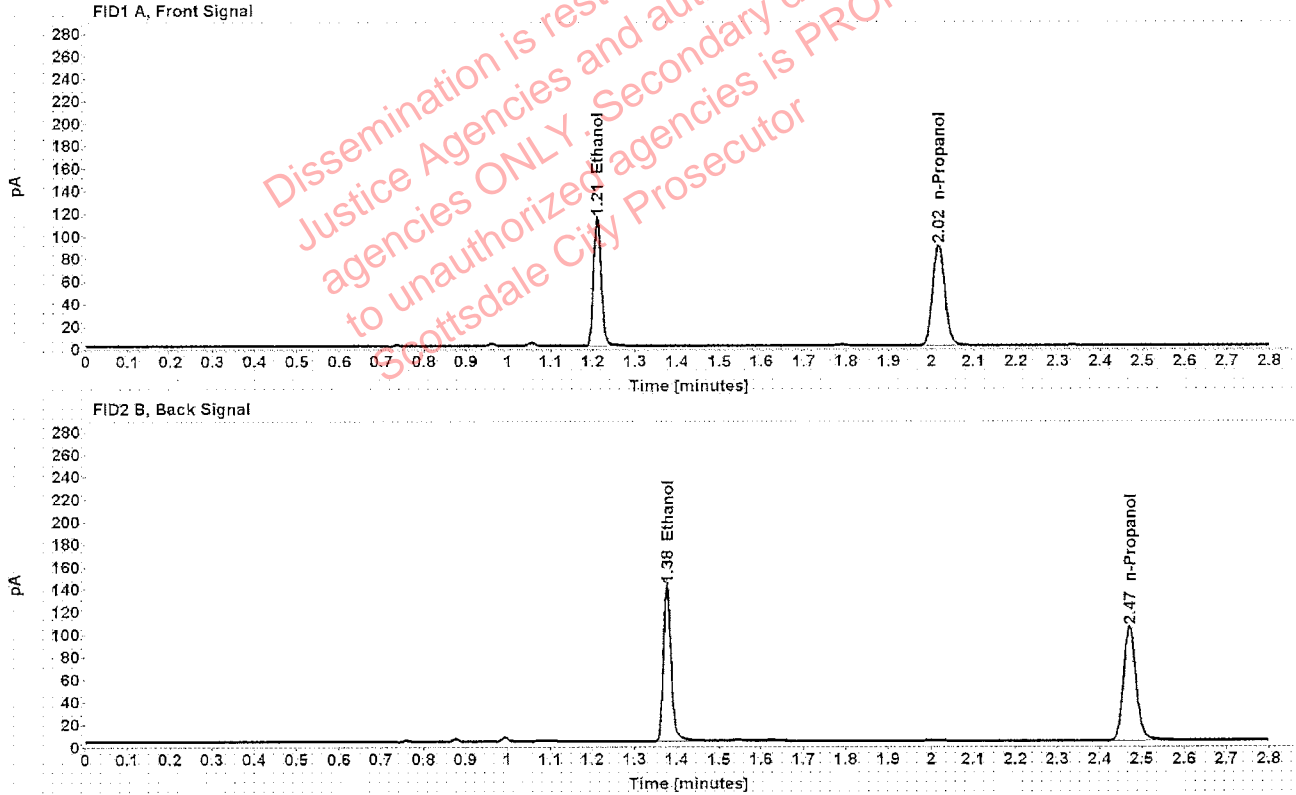


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2284	1.210	145.664
n-Propanol	-----	2.016	177.699

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

Compound	Time (min)	Peak Area
Ethanol	1.377	179.253
n-Propanol	2.471	210.001

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295112	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:20:16 PM
Data file:	C:\Chem32\1\Data\20Nov19\33.D	Analyst:	Canonico

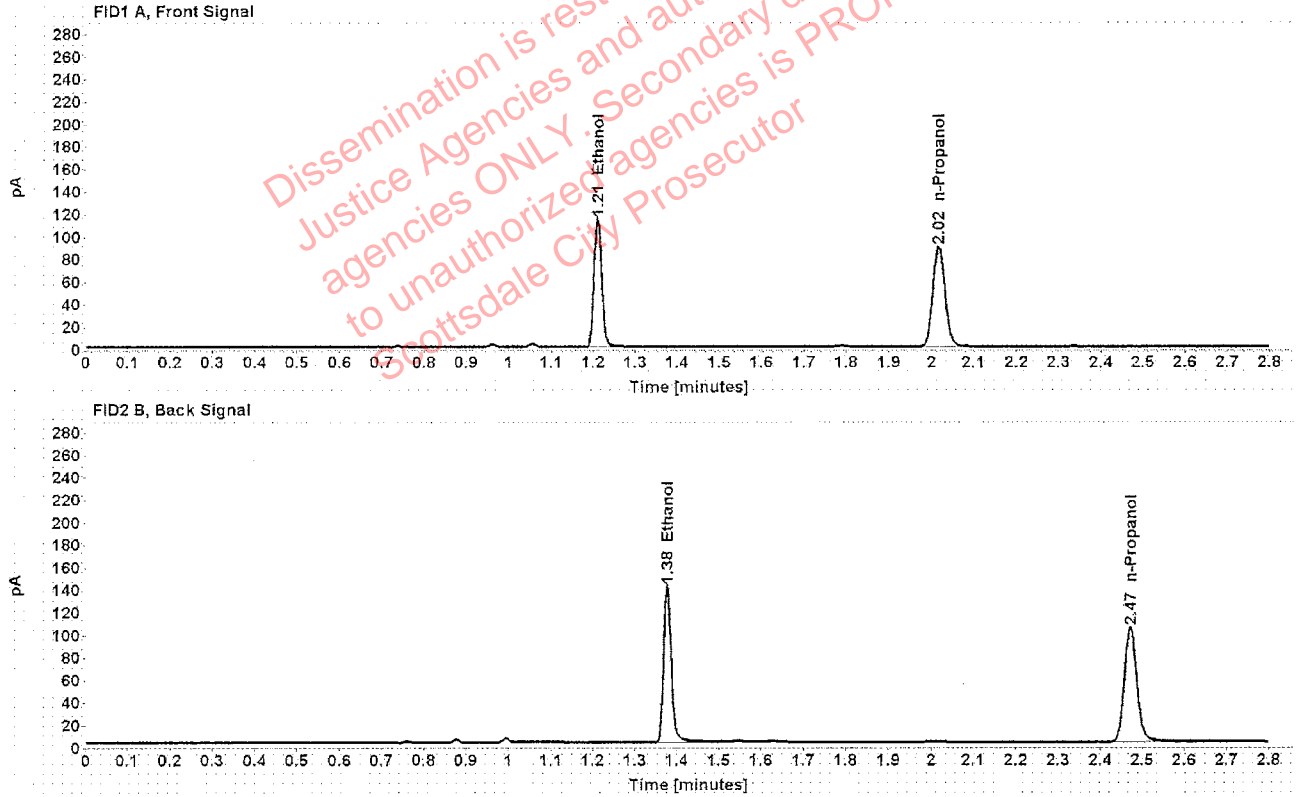


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2292	1.210	146.233
n-Propanol	-----	2.017	177.724

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

Compound	Time (min)	Peak Area
Ethanol	1.377	179.591
n-Propanol	2.471	210.328

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294443	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:24:15 PM
Data file:	C:\Chem32\11\Data\20Nov19\34.D	Analyst:	Canonico

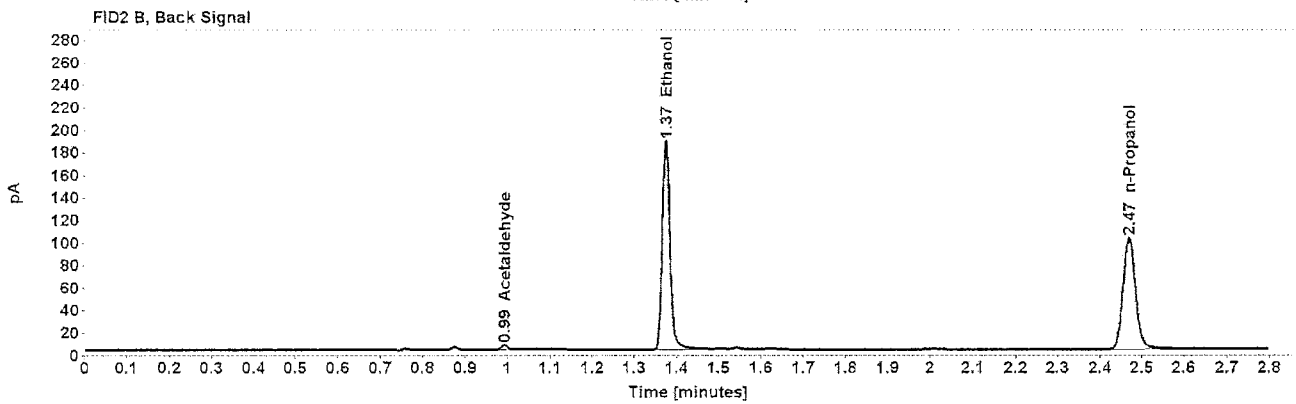
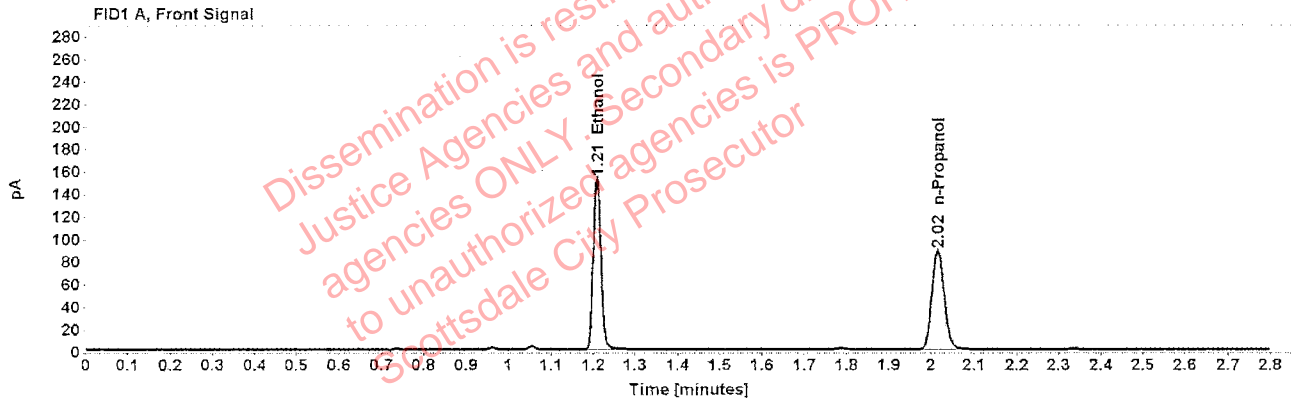


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3093	1.209	194.488
n-Propanol	-----	2.015	174.842

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.909
Ethanol	1.374	239.598
n-Propanol	2.469	207.198

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294443	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:28:15 PM
Data file:	C:\Chem32\1\Data\20Nov19\35.D	Analyst:	Canonico

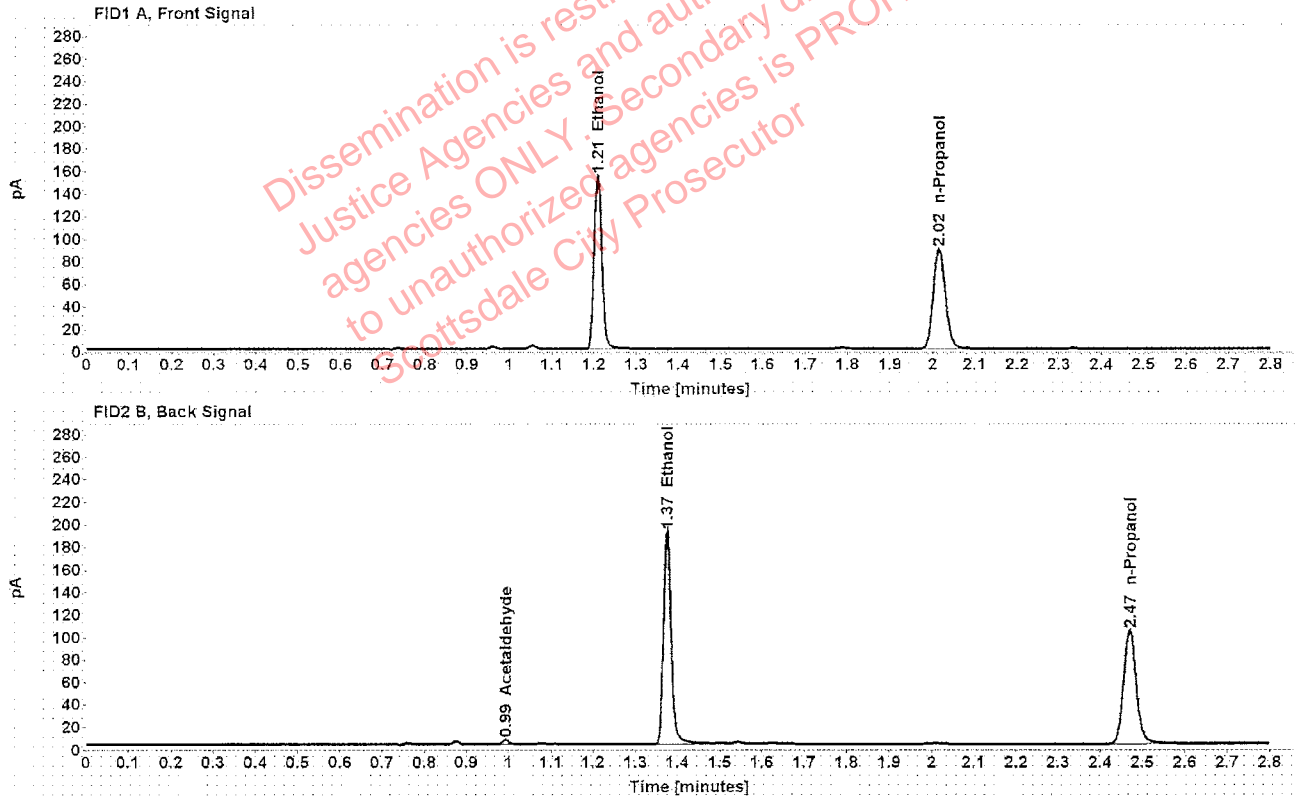


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3095	1.209	197.564
n-Propanol	-----	2.015	177.497

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.864
Ethanol	1.375	243.509
n-Propanol	2.469	211.123

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294721	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:32:15 PM
Data file:	C:\Chem32\1\Data\20Nov19\36.D	Analyst:	Canonico

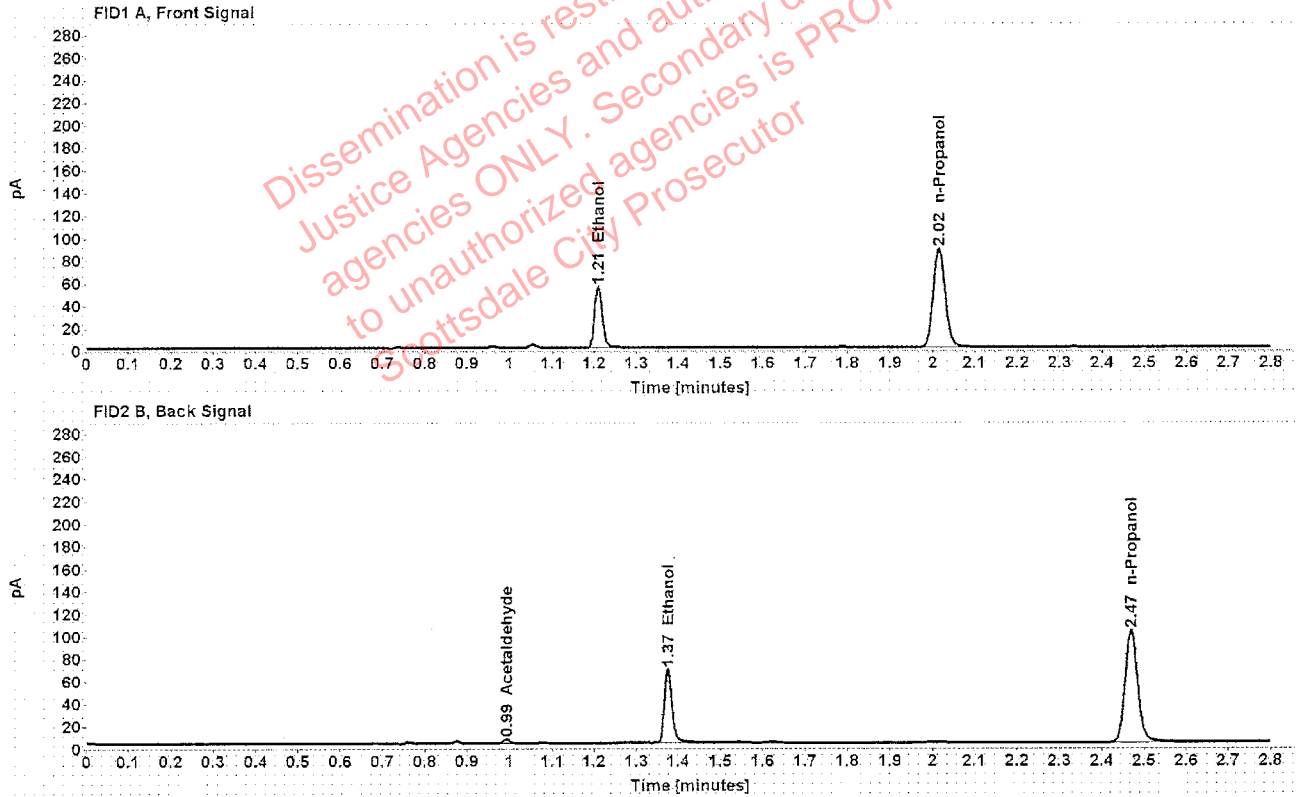


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1127	1.210	70.298
n-Propanol	-----	2.015	175.221

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.786
Ethanol	1.375	85.124
n-Propanol	2.469	208.291

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294721	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:36:32 PM
Data file:	C:\Chem32\11\Data\20Nov19\37.D	Analyst:	Canonico

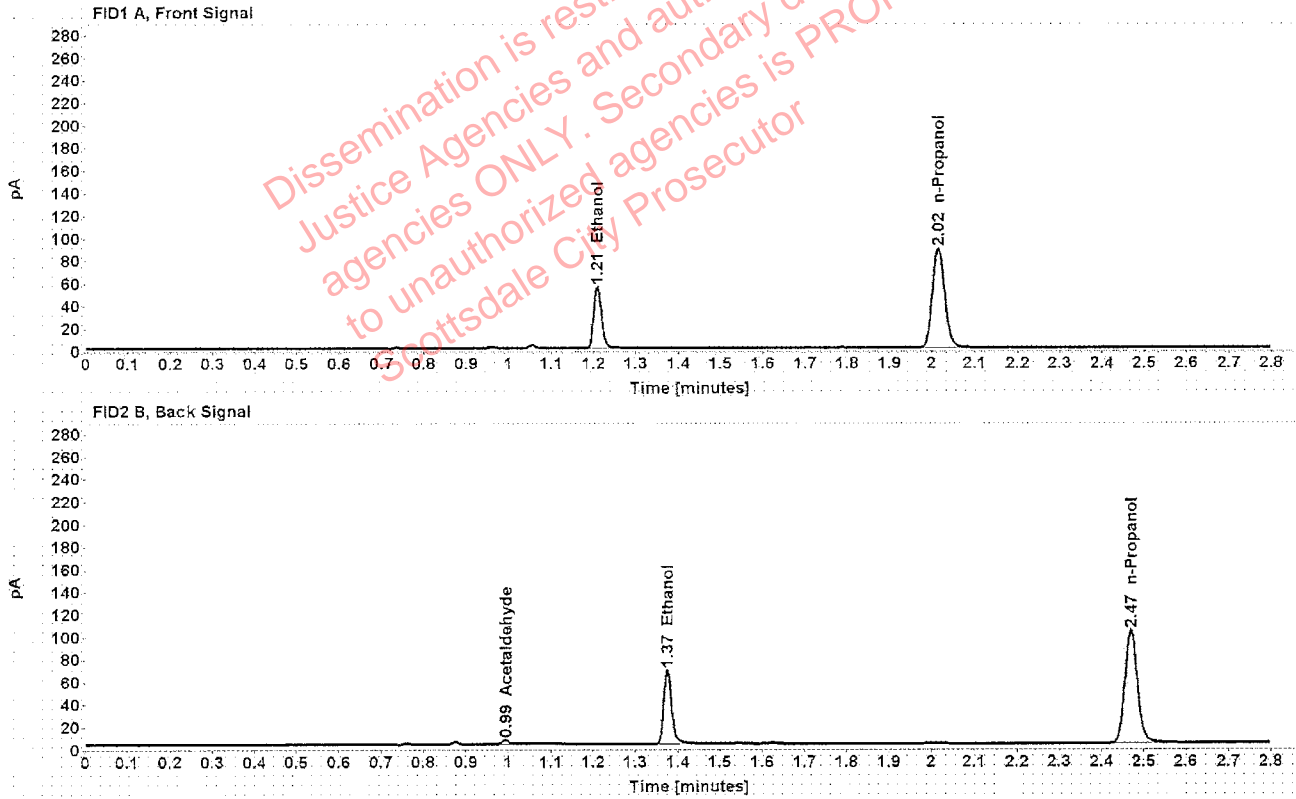


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1123	1.210	70.580
n-Propanol	-----	2.015	176.474

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.782
Ethanol	1.375	85.272
n-Propanol	2.469	209.371

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294899	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:40:30 PM
Data file:	C:\Chem32\1\Data\20Nov19\38.D	Analyst:	Canonico

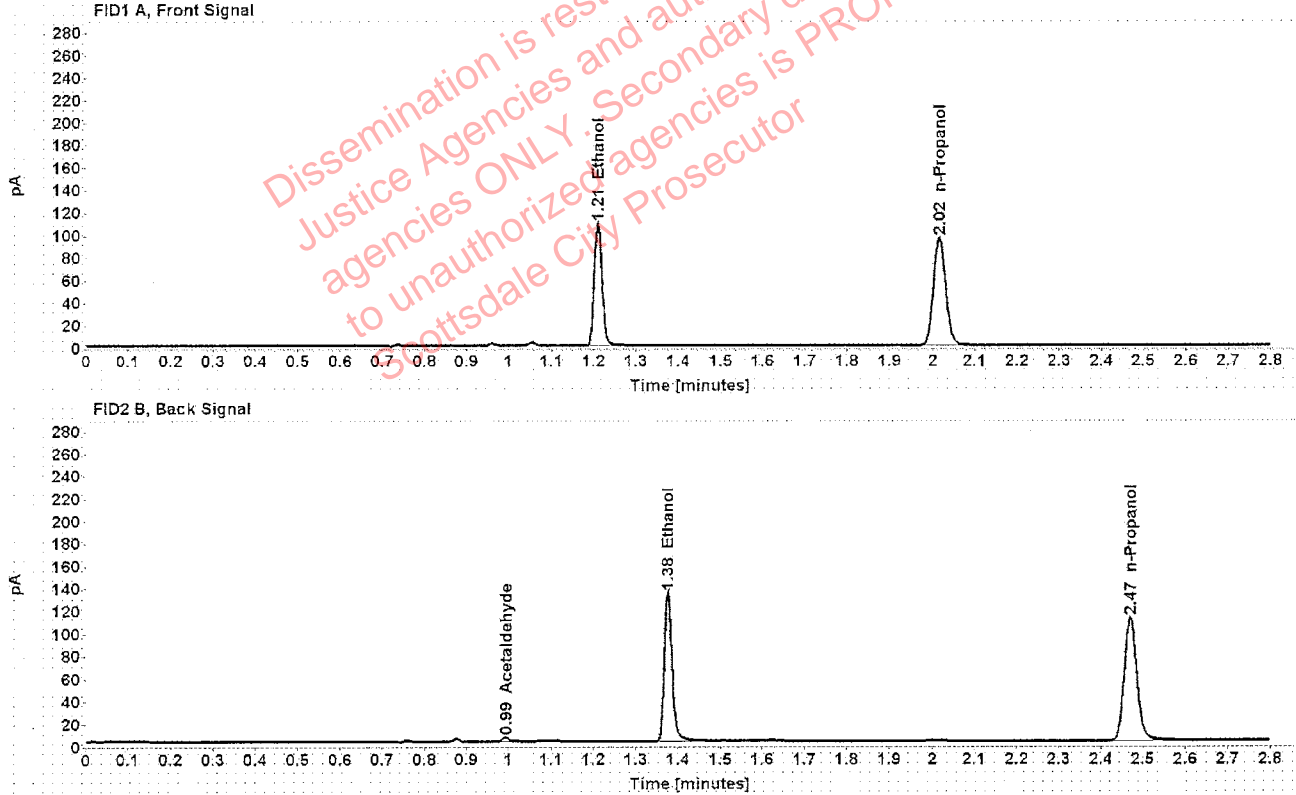


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2039	1.210	139.614
n-Propanol	-----	2.016	190.905

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.795
Ethanol	1.376	171.768
n-Propanol	2.470	228.272

Case: [REDACTED] User: ecanonico 11/21/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294899	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:44:30 PM
Data file:	C:\Chem32\1\Data\20Nov19\39.D	Analyst:	Canonico

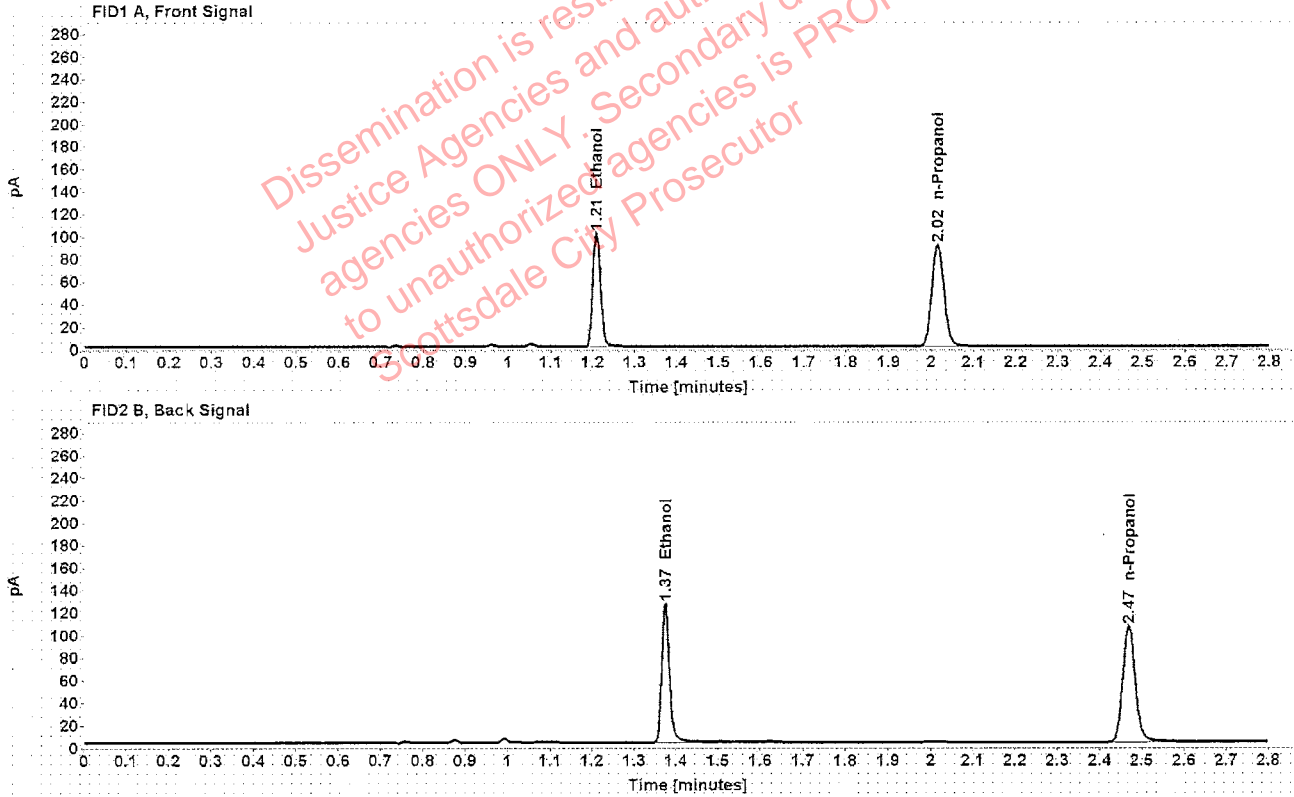


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2019	1.209	130.239
n-Propanol	-----	2.015	179.922

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.214
n-Propanol	2.469	214.367

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294277	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:48:31 PM
Data file:	C:\Chem32\11\Data\20Nov19\40.D	Analyst:	Canonico

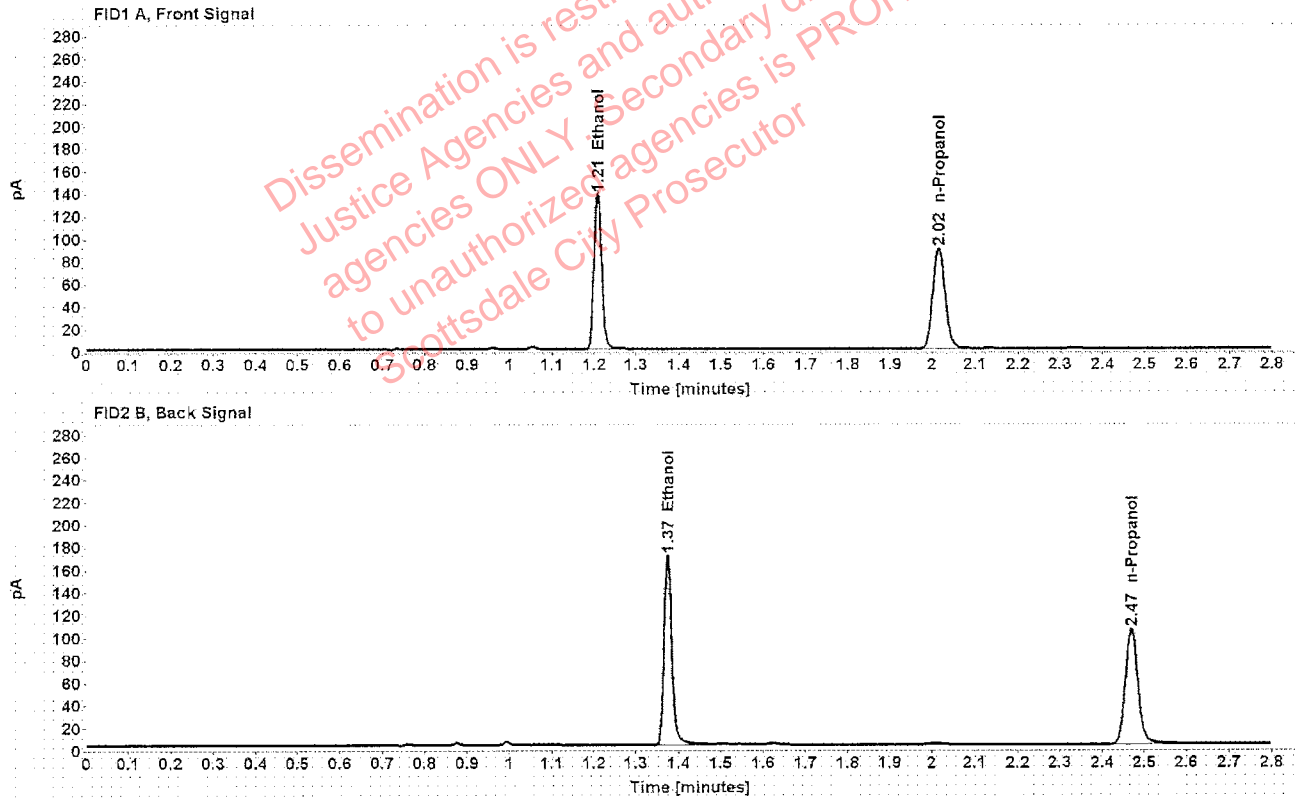


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2733	1.209	176.770
n-Propanol	-----	2.015	179.986

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

Compound	Time (min)	Peak Area
Ethanol	1.374	217.805
n-Propanol	2.469	212.851

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294277	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 3:52:30 PM
Data file:	C:\Chem32\1\Data\20Nov19\41.D	Analyst:	Canonico

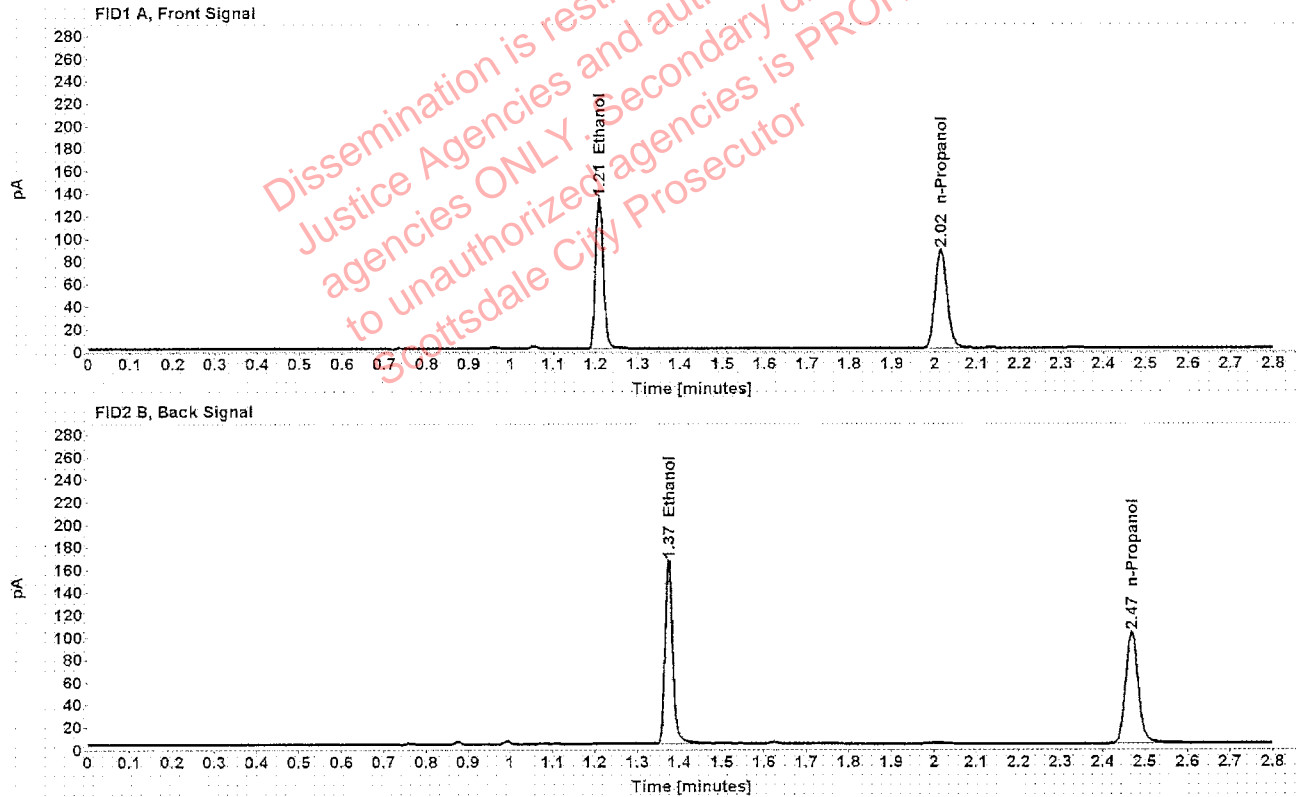


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2724	1.209	170.968
n-Propanol	-----	2.015	174.684

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

Compound	Time (min)	Peak Area
Ethanol	1.374	210.722
n-Propanol	2.469	206.083

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1280164	Vial:	43
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 4:00:47 PM
Data file:	C:\Chem321\Data\20Nov19\43.D	Analyst:	Canonico

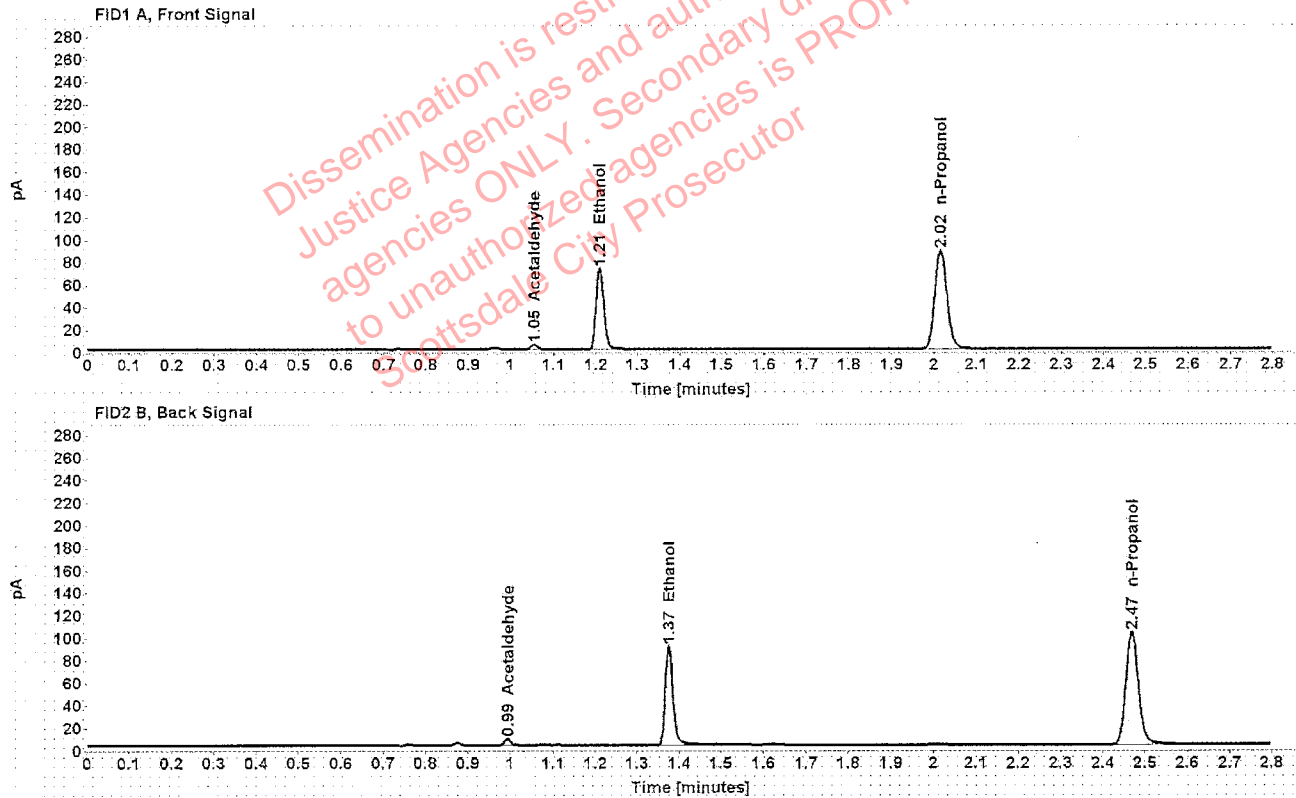


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.224
>Ethanol	0.1490	1.209	93.359
n-Propanol	-----	2.015	175.266

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.499
Ethanol	1.375	114.967
n-Propanol	2.469	208.185

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1280164	Vial:	44
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/20/2019 4:04:45 PM
Data file:	C:\Chem32\1\Data\20Nov19\44.D	Analyst:	Canonico

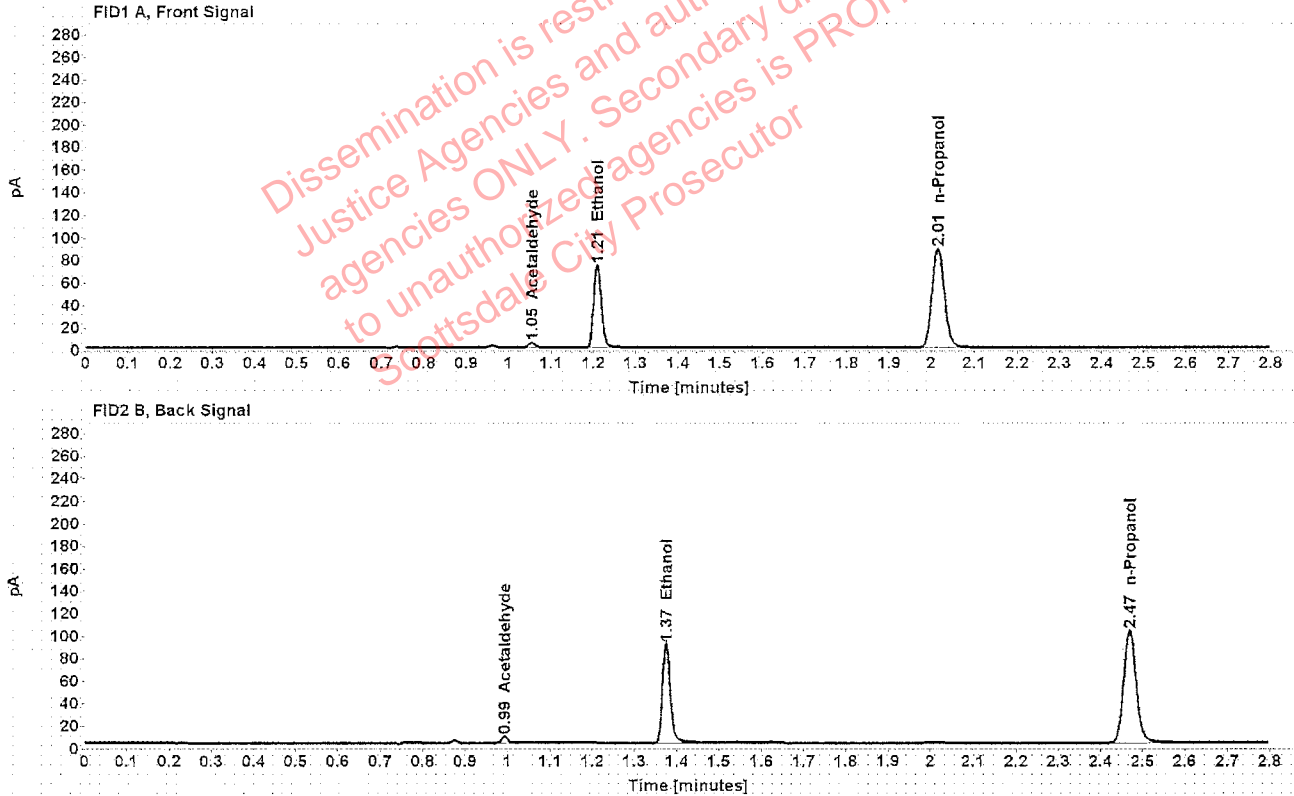


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.251
>Ethanol	0.1492	1.209	93.895
n-Propanol	-----	2.015	176.030

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.581
Ethanol	1.375	115.870
n-Propanol	2.469	209.173