

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 04/03/2020 SEQUENCE NAME 03Apr20

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 0.99961
 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 121219
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.394 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.042 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.195 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	0.148 g/dL	Lipomed 14082019-C
42	Aqueous control	0.400 g/dL	0.391 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	0.197 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 Erika Camonico Analyst
 Run valid Run invalid [Signature] Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 03Apr20

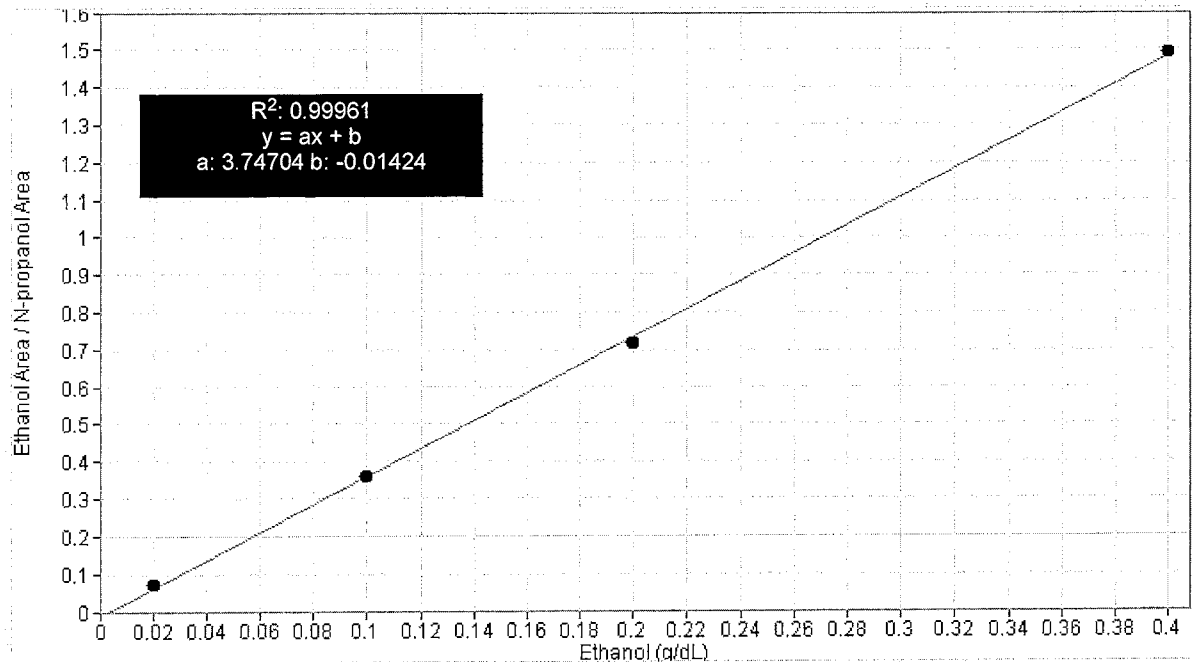
ANALYST: Canonico



Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 121219	5	negative	negative	-	-
0.400 11092018-A	7	0.394	0.400	1.50	-0.006
0.040 14082019-B	8	0.042	0.040	5.00	0.002
0.198 407041529/13	9	0.195	0.198	1.52	-0.003
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.150 14082019-C	31	0.148	0.150	1.33	-0.002
0.400 11092018-A	42	0.391	0.400	2.25	-0.009
0.040 14082019-B	43	0.042	0.040	5.00	0.002
0.198 407041529/13	44	0.197	0.198	0.51	-0.001
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.708	166.220	0.070
0.100	62.147	172.991	0.359
0.200	121.682	169.359	0.719
0.400	277.706	186.039	1.493

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 03Apr20
Method: ethanol quant.M	Injection date: 4/3/2020 1:25:05 PM
Instrument: US14173023 CN14160045	Analyst: Canonico <i>ec</i>
Data file: C:\Chem32\1\Data\03Apr20\1.D	

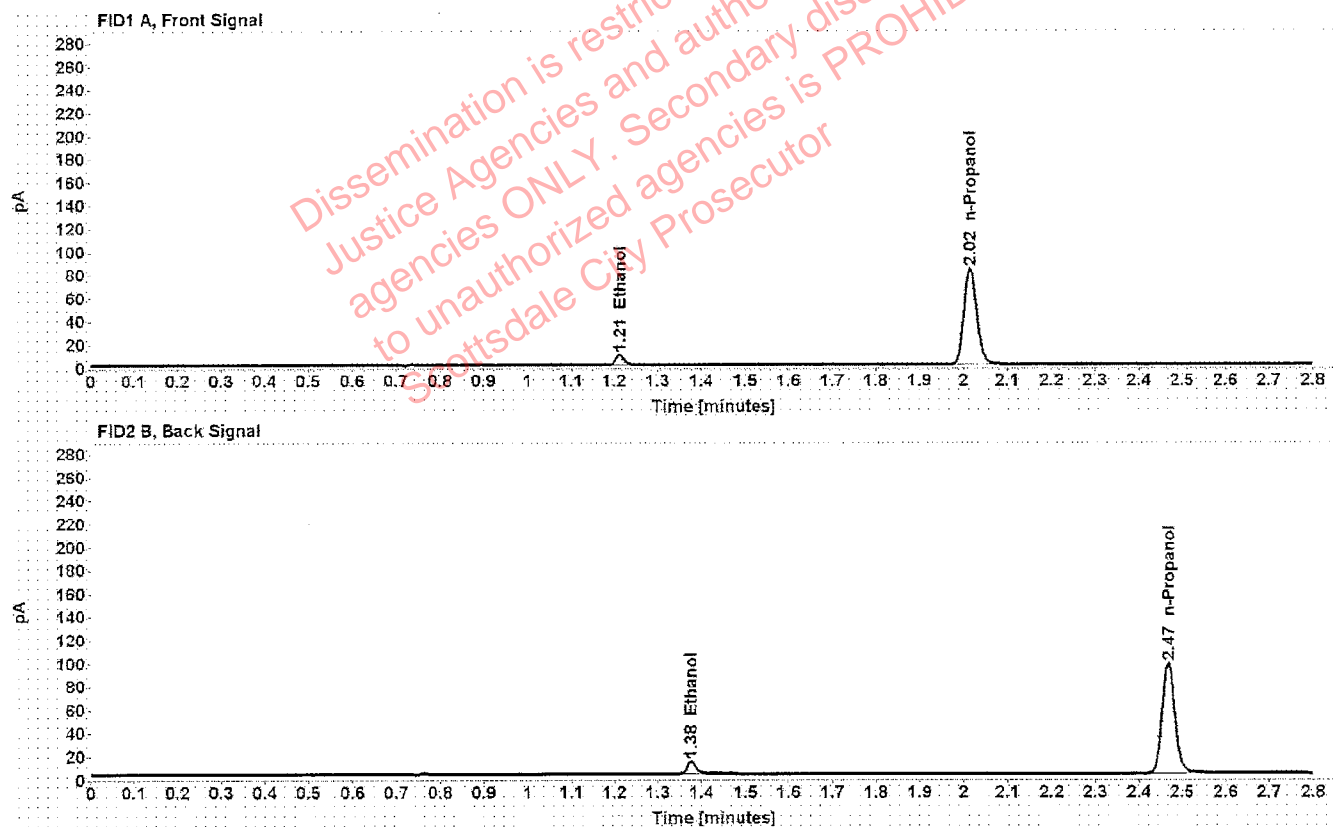


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.708
n-Propanol	2.015	166.220

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

Compound	Time (min)	Peak Area
Ethanol	1.376	13.948
n-Propanol	2.468	194.862

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 03Apr20
Method: ethanol quant.M	Injection date: 4/3/2020 1:29:06 PM
Instrument: US14173023 CN14160045	Analyst: Canonico ec
Data file: C:\Chem32\1\Data\03Apr20\2.D	

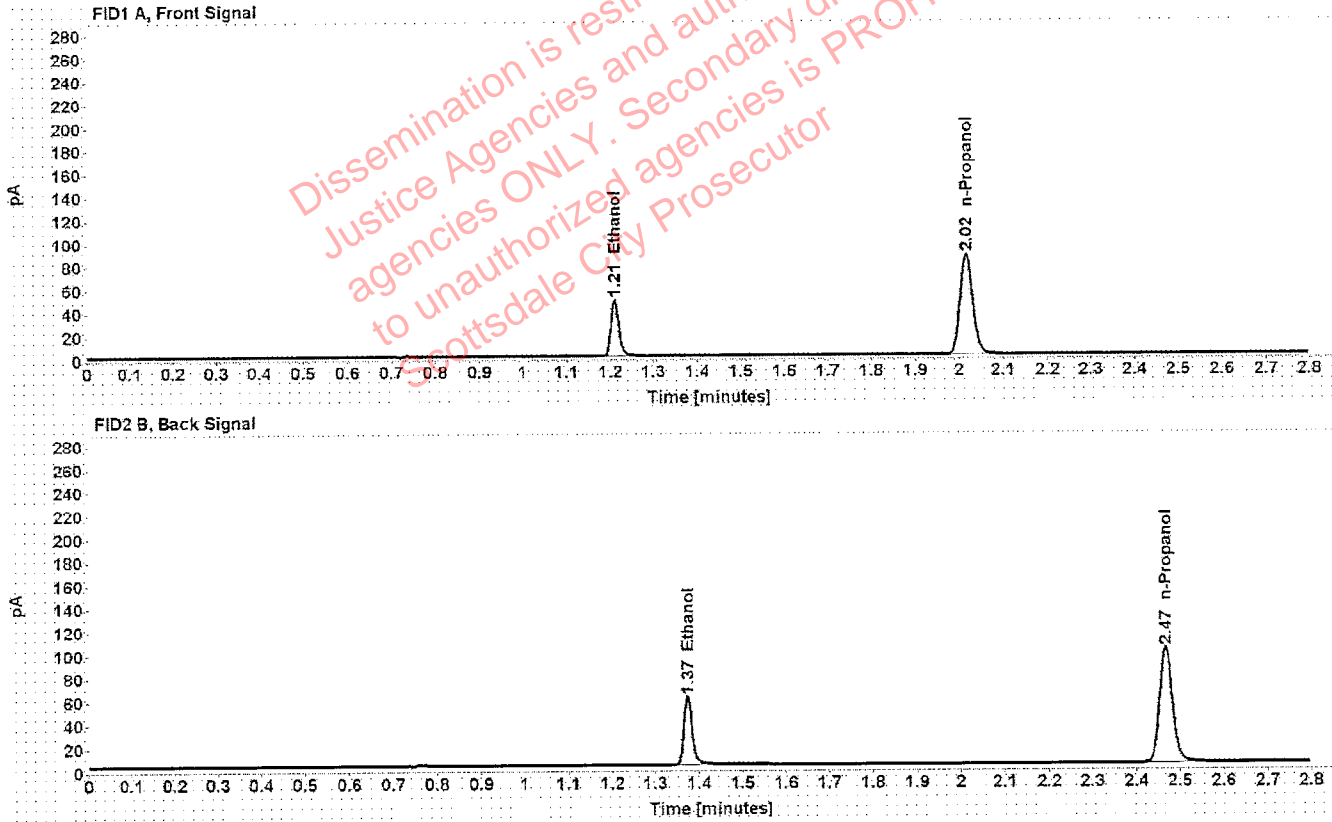


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	62.147
n-Propanol	2.015	172.991

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

Compound	Time (min)	Peak Area
Ethanol	1.374	75.045
n-Propanol	2.467	204.100

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 03Apr20
Method: ethanol quant.M	Injection date: 4/3/2020 1:33:05 PM
Instrument: US14173023 CN14160045	Analyst: Canonico ec
Data file: C:\Chem32\1\Data\03Apr20\3.D	

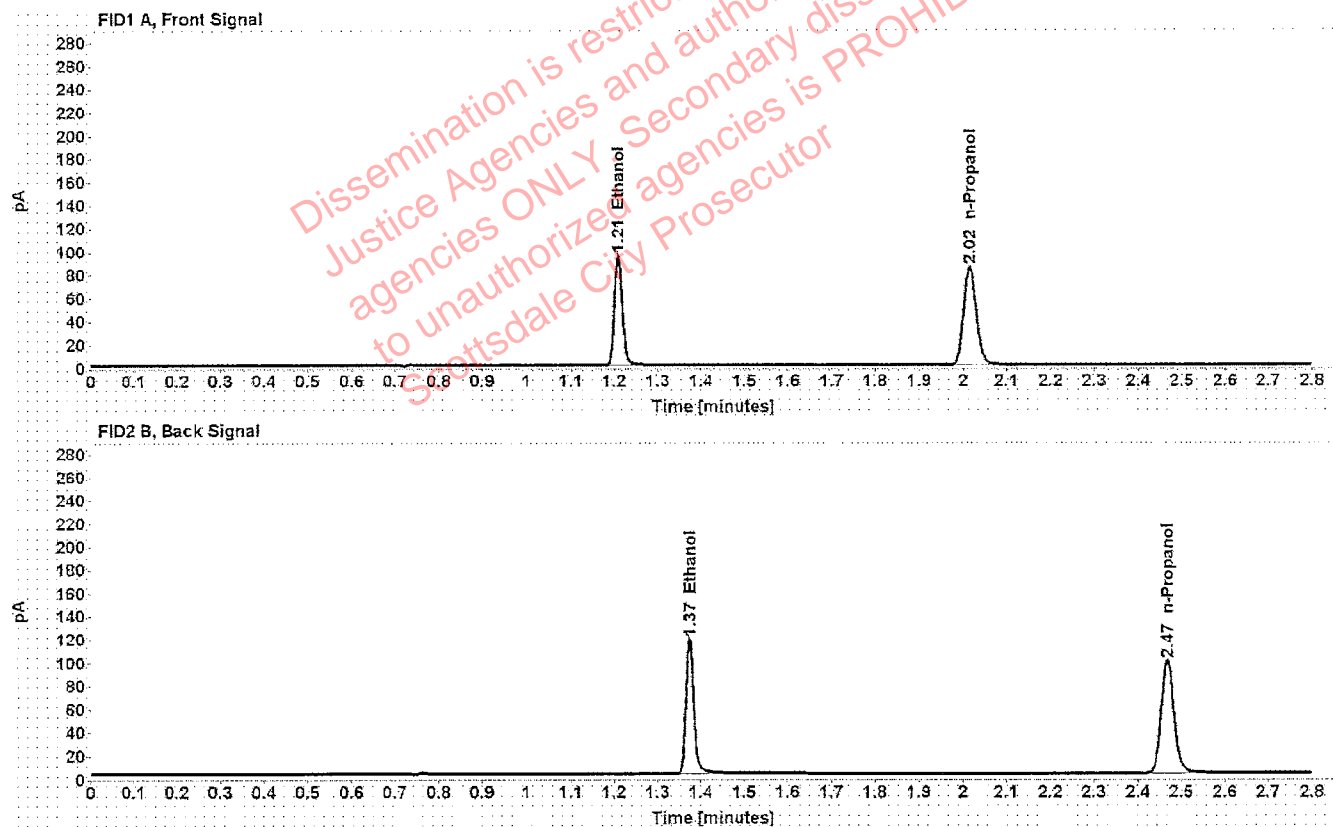


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	121.682
n-Propanol	2.015	169.359

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

Compound	Time (min)	Peak Area
Ethanol	1.374	148.028
n-Propanol	2.467	200.077

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 03Apr20
Method: ethanol quant.M	Injection date: 4/3/2020 1:37:06 PM
Instrument: US14173023 CN14160045	Analyst: Canonico ee
Data file: C:\Chem32\1\Data\03Apr20\4.D	

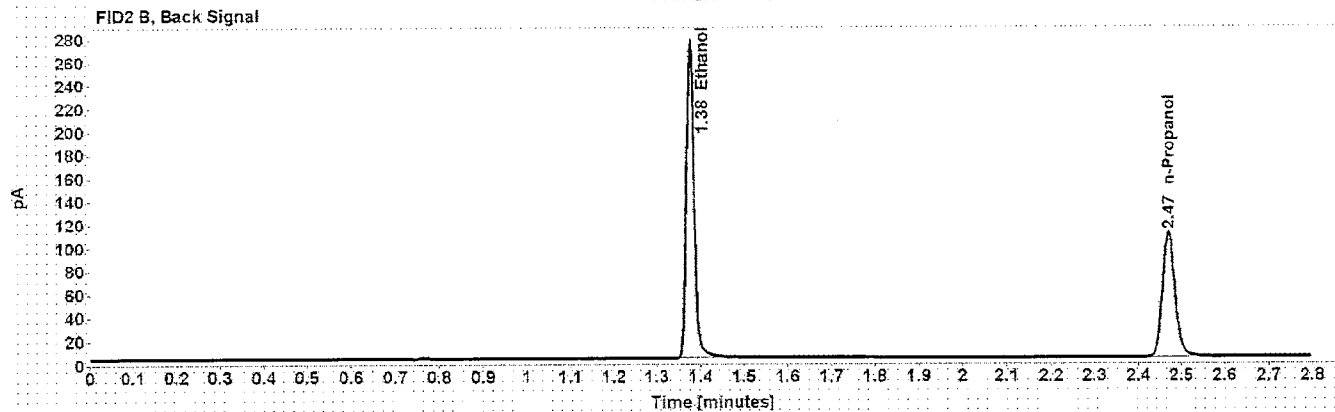
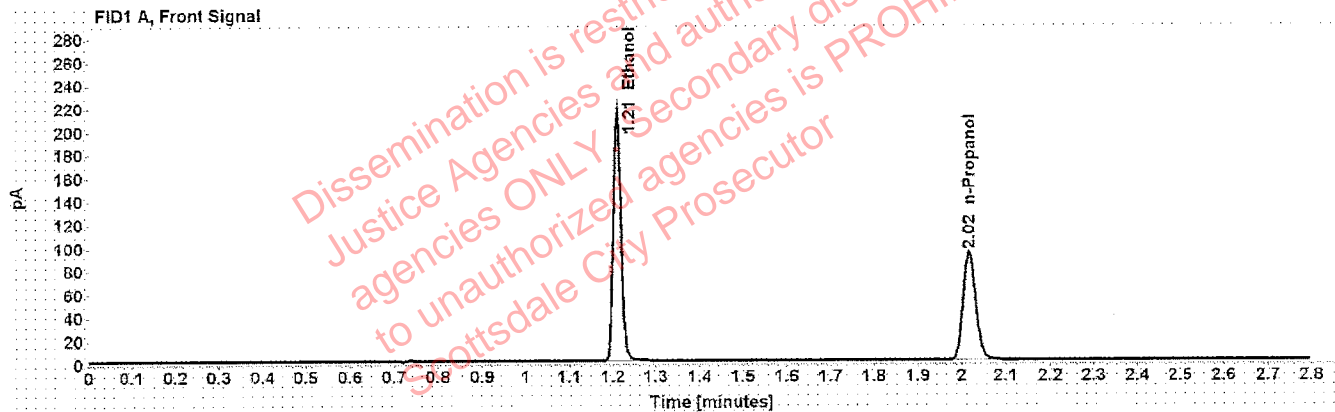


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	277.706
n-Propanol	2.017	186.039

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

Compound	Time (min)	Peak Area
Ethanol	1.376	339.439
n-Propanol	2.470	220.793

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	121219	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 1:41:05 PM
Data file:	C:\Chem32\1\Data\03Apr20\5.D	Analyst:	Canonico <i>ee</i>

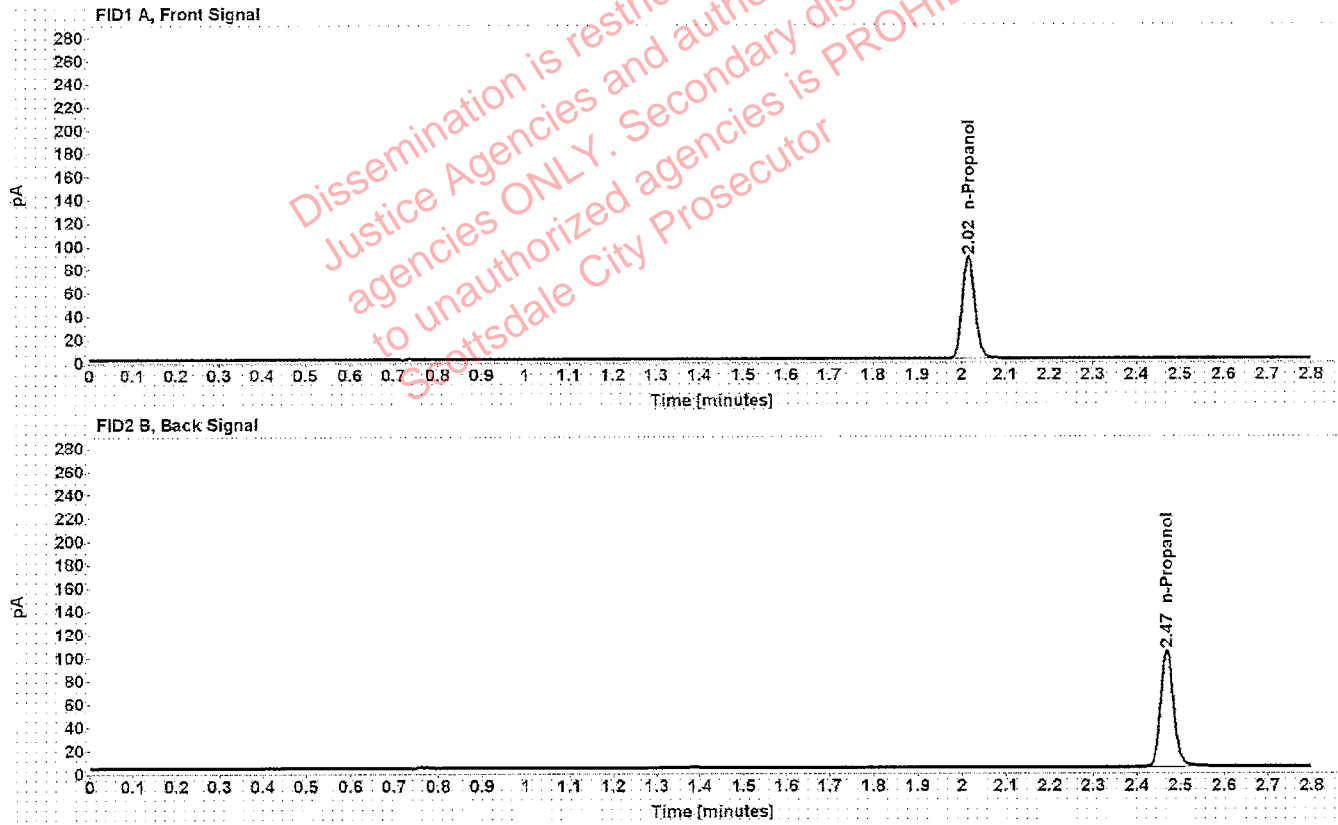


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	175.674

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	207.499

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 03Apr20
Instrument: US14173023 CN14160045	Injection date: 4/3/2020 1:45:05 PM
Data file: C:\Chem32\1\Data\03Apr2016.D	Analyst: Canonico <i>RC</i>

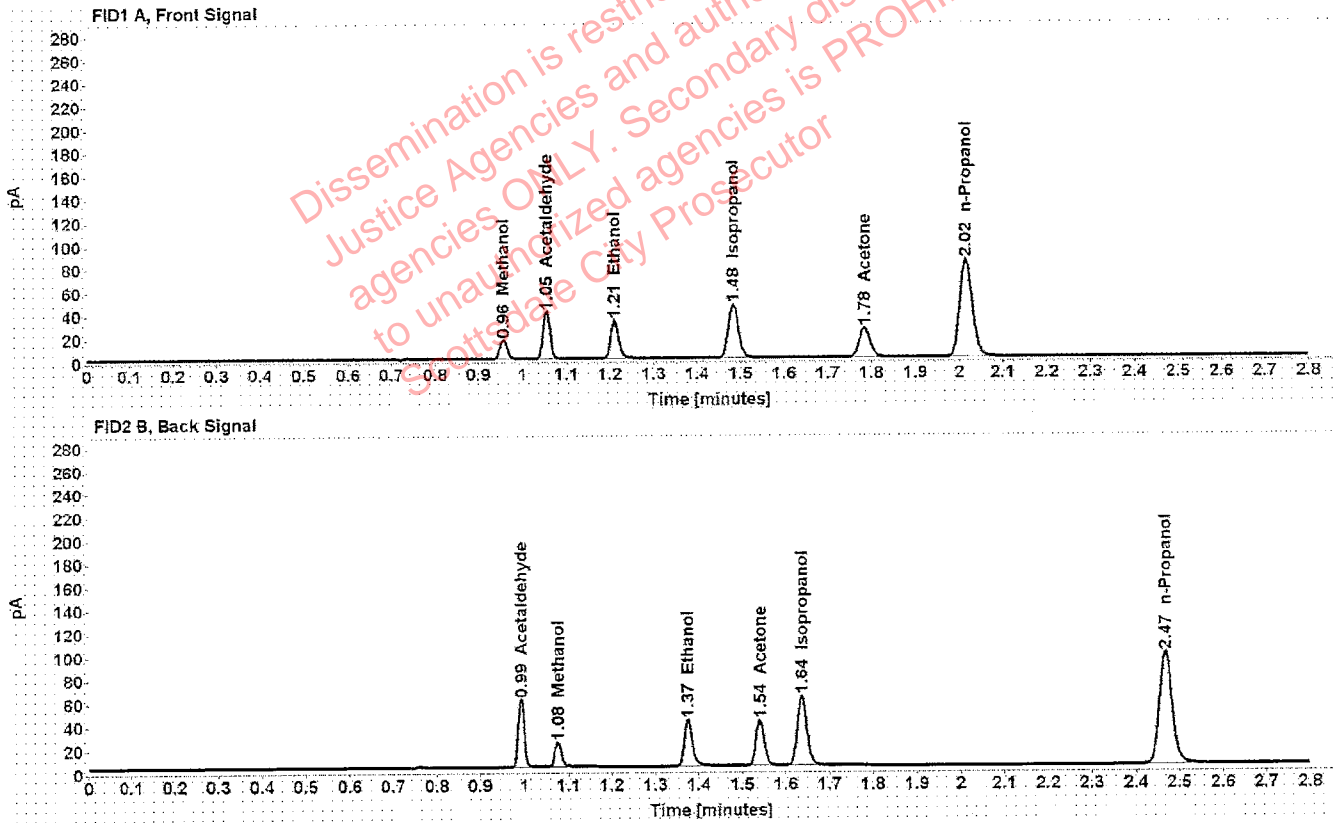


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.663
Acetaldehyde	-----	1.054	44.370
>Ethanol	0.0710	1.210	42.299
Isopropanol	-----	1.483	74.207
Acetone	-----	1.784	43.441
n-Propanol	-----	2.015	167.974

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	57.256
Methanol	1.076	23.626
Ethanol	1.375	50.800
Acetone	1.541	51.444
Isopropanol	1.636	91.375
n-Propanol	2.468	199.159

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 1:49:20 PM
Data file:	C:\Chem32\1\Data\03Apr20\7.D	Analyst:	Canonico <i>EC</i>

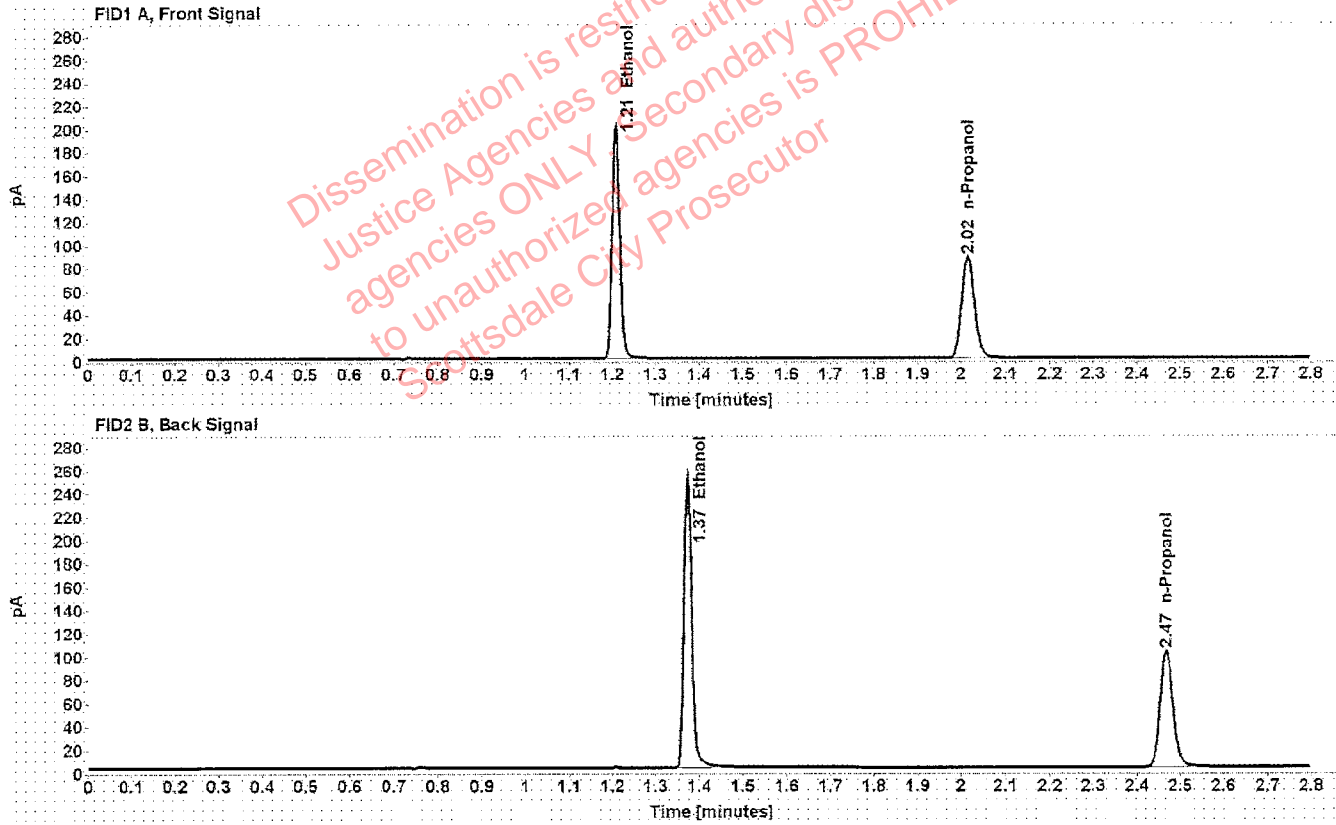


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3945	1.208	255.814
n-Propanol	-----	2.015	174.722

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

Compound	Time (min)	Peak Area
Ethanol	1.373	312.828
n-Propanol	2.468	207.063

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 03Apr20
Instrument: US14173023 CN14160045	Injection date: 4/3/2020 1:53:20 PM
Data file: C:\Chem32\1\Data\03Apr20\8.D	Analyst: Canonico EC

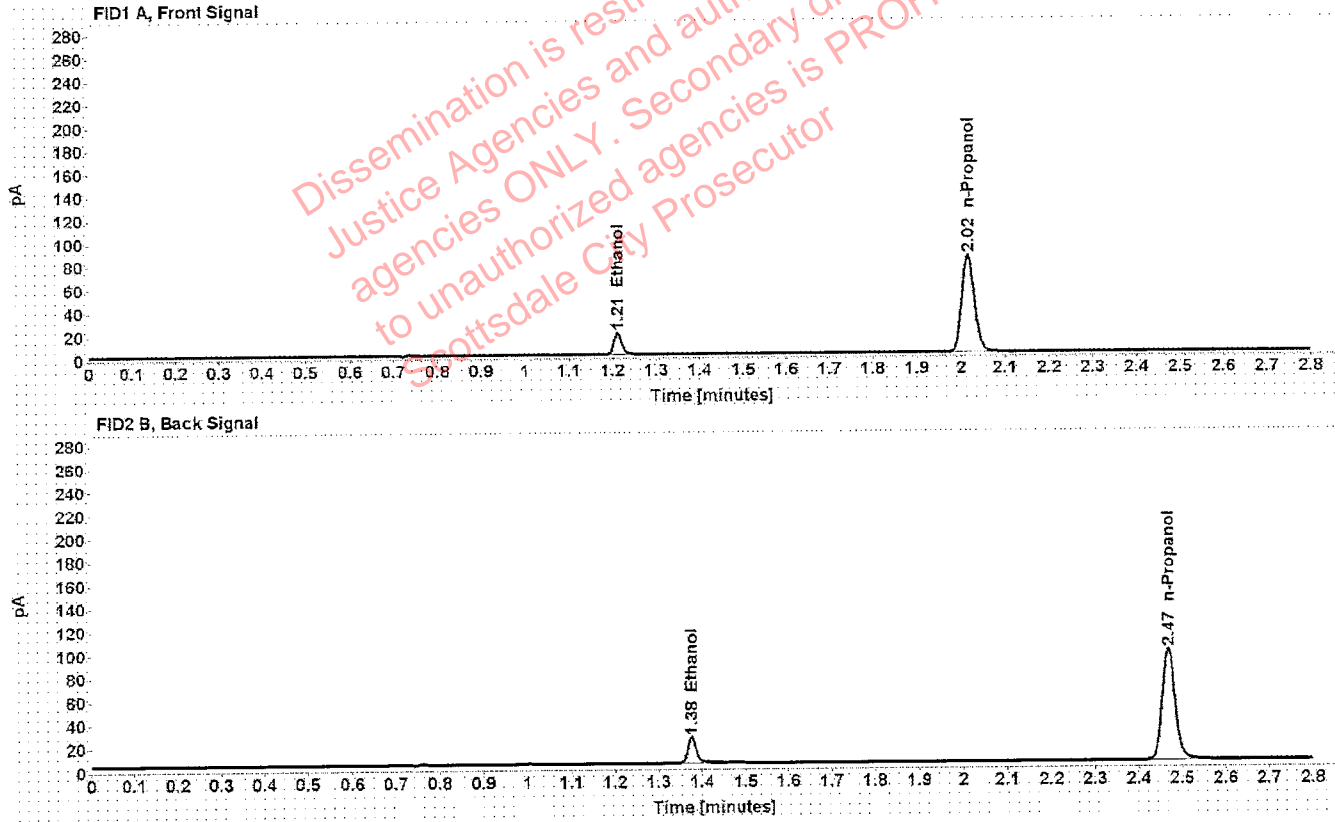


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0420	1.211	23.971
n-Propanol	-----	2.016	167.548

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

Compound	Time (min)	Peak Area
Ethanol	1.376	28.785
n-Propanol	2.468	197.635

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 03Apr20
Instrument: US14173023 CN14160045	Injection date: 4/3/2020 1:57:21 PM
Data file: C:\Chem32\1\Data\03Apr20\9.D	Analyst: Canonico <i>EC</i>

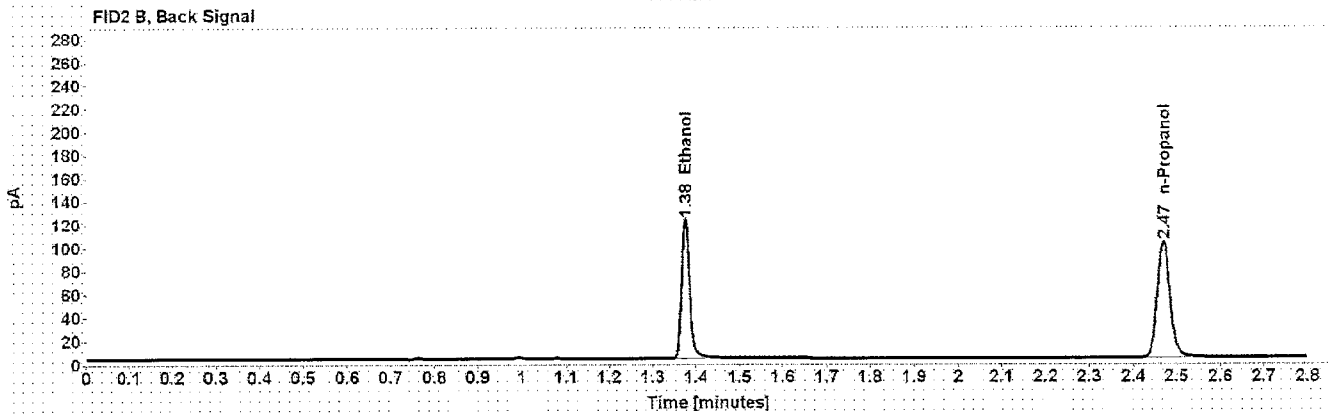
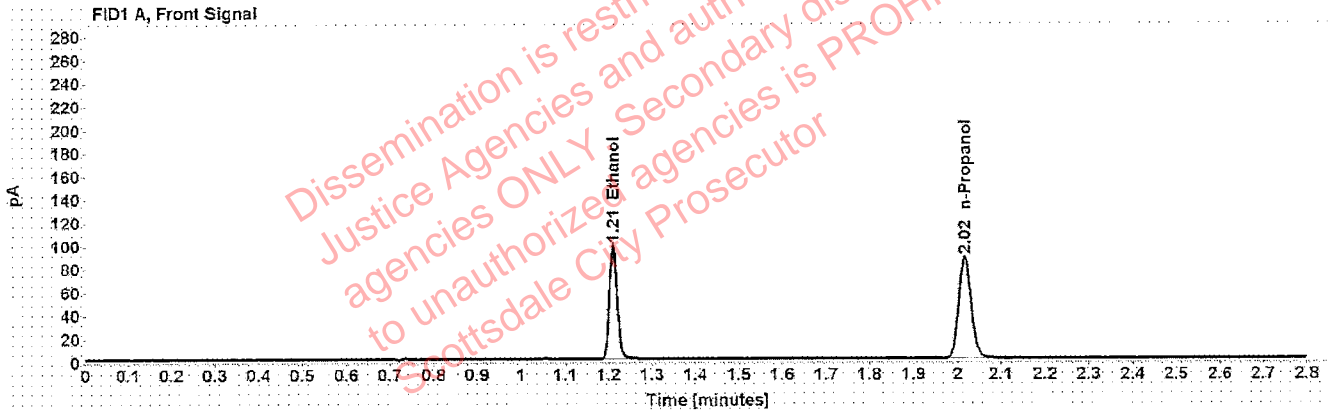


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1956	1.210	125.509
n-Propanol	-----	2.016	174.624

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

Compound	Time (min)	Peak Area
Ethanol	1.375	152.658
n-Propanol	2.469	206.557

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	03102016-A/1	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:41:50 PM
Data file:	C:\Chem32\1\Data\03Apr20\20.D	Analyst:	Canonico <i>EC</i>

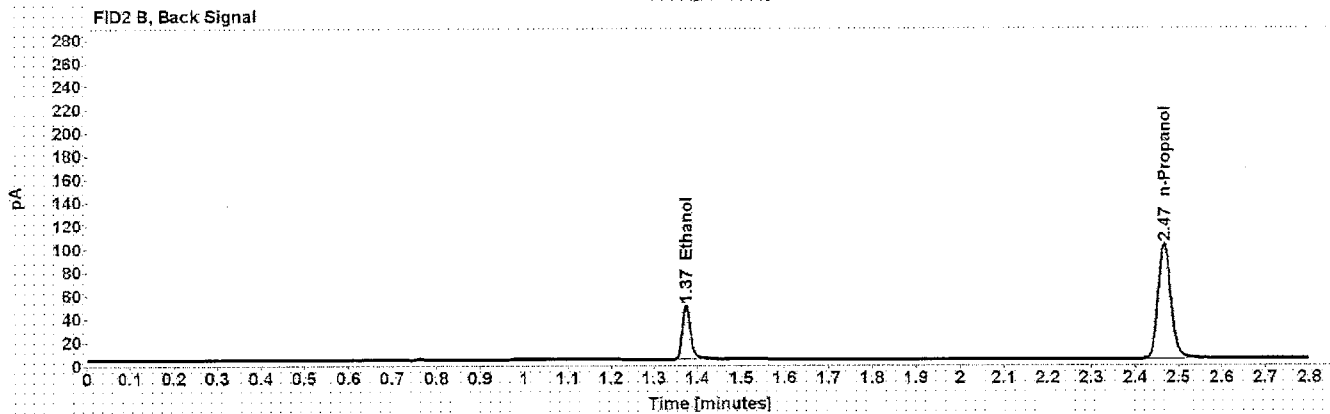
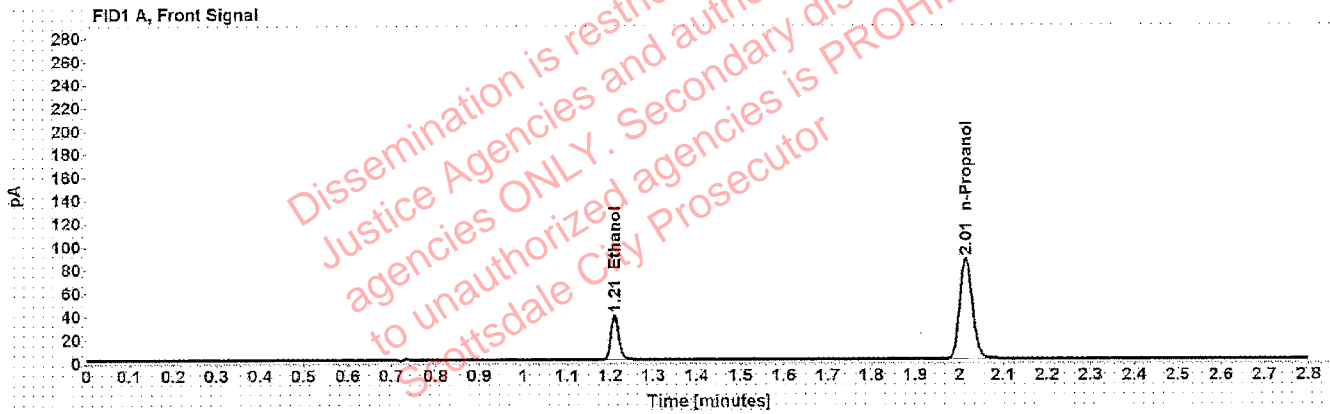


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0800	1.210	49.548
n-Propanol	-----	2.015	173.467

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

Compound	Time (min)	Peak Area
Ethanol	1.374	59.940
n-Propanol	2.467	204.958

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-C	Vial:	31
Description:	0.150	LIMS ID:	
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:26:20 PM
Data file:	C:\Chem32\1\Data\03Apr20\31.D	Analyst:	Canonico <i>ec</i>

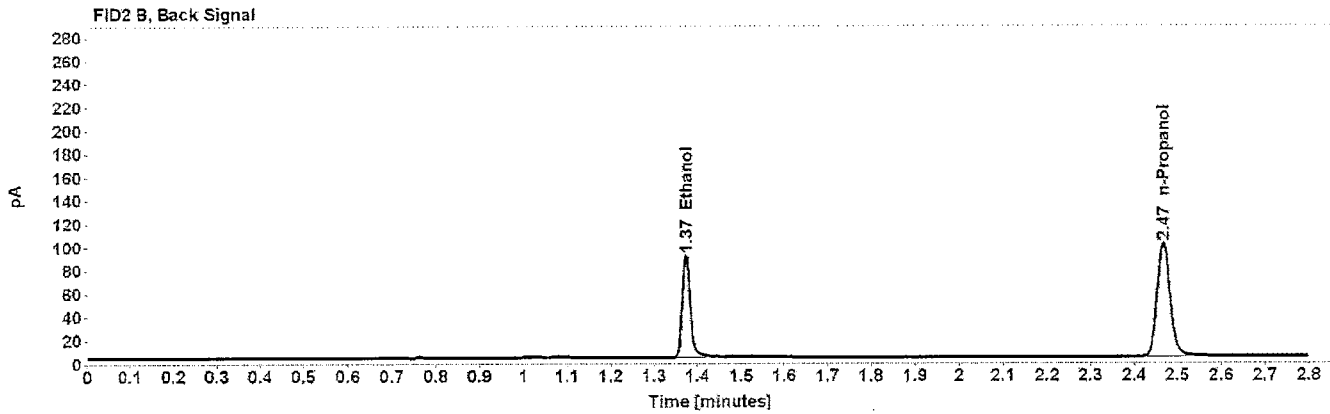
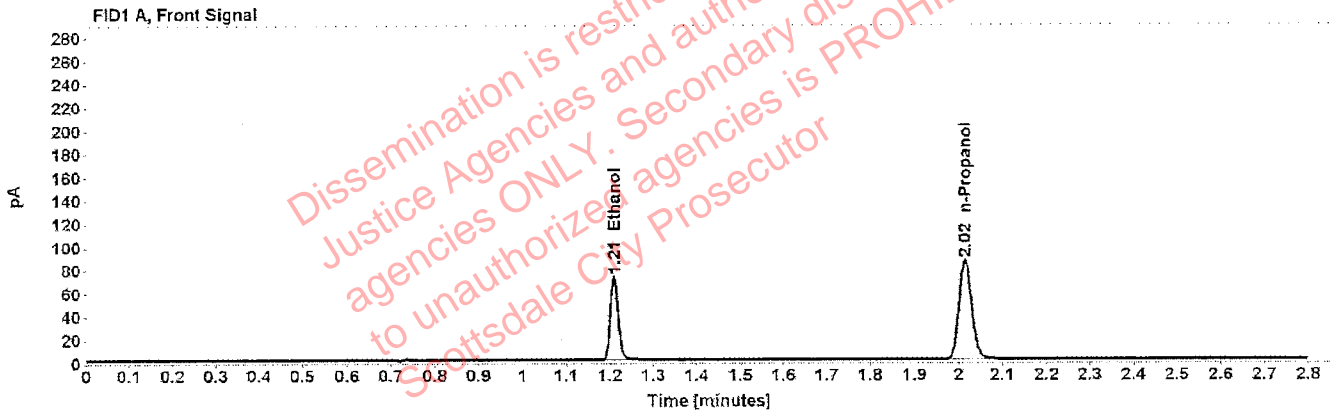


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1485	1.209	92.972
n-Propanol	-----	2.015	171.520

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.380
n-Propanol	2.467	203.193

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	42
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 4:10:35 PM
Data file:	C:\Chem32\1\Data\03Apr20\42.D	Analyst:	Canonico <i>EC</i>

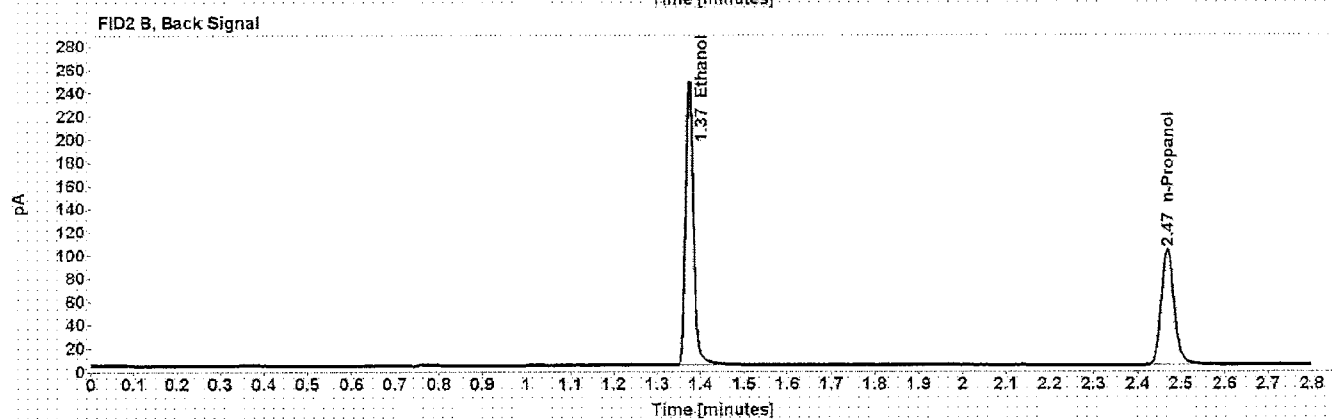
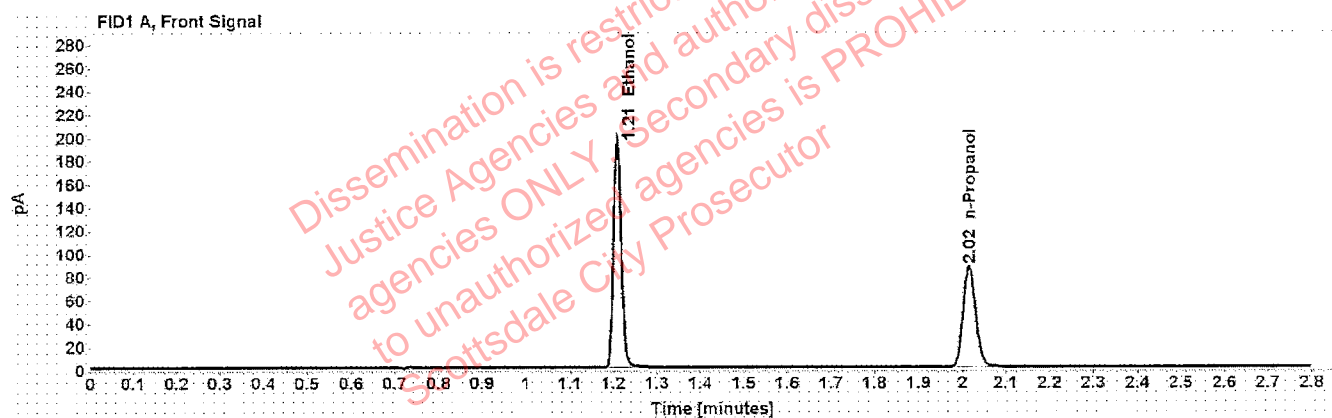


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3914	1.209	252.665
n-Propanol	-----	2.016	173.967

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

Compound	Time (min)	Peak Area
Ethanol	1.374	310.924
n-Propanol	2.468	207.335

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 4:14:49 PM
Data file:	C:\Chem32\1\Data\03Apr20\43.D	Analyst:	Canonico <i>cc</i>

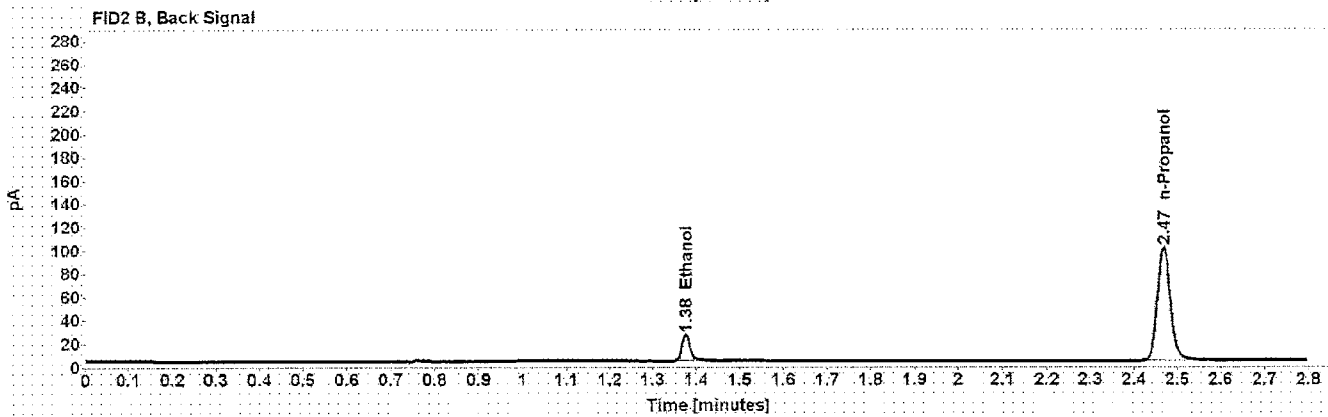
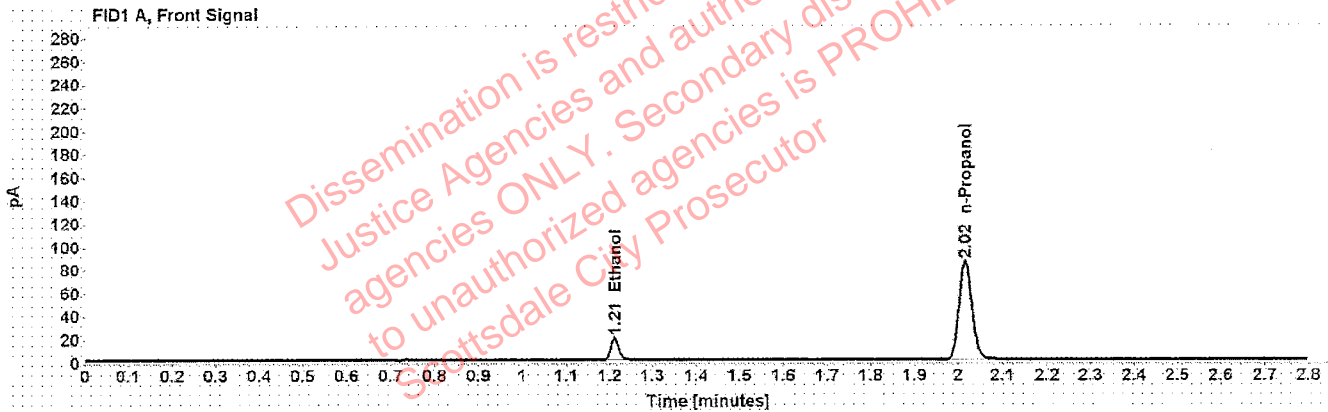


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0422	1.211	24.595
n-Propanol	-----	2.016	171.083

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

Compound	Time (min)	Peak Area
Ethanol	1.376	29.512
n-Propanol	2.468	202.443

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 03Apr20
Instrument: US14173023 CN14160045	Injection date: 4/3/2020 4:18:50 PM
Data file: C:\Chem32\1\Data\03Apr20\44.D	Analyst: Canonico <i>CC</i>

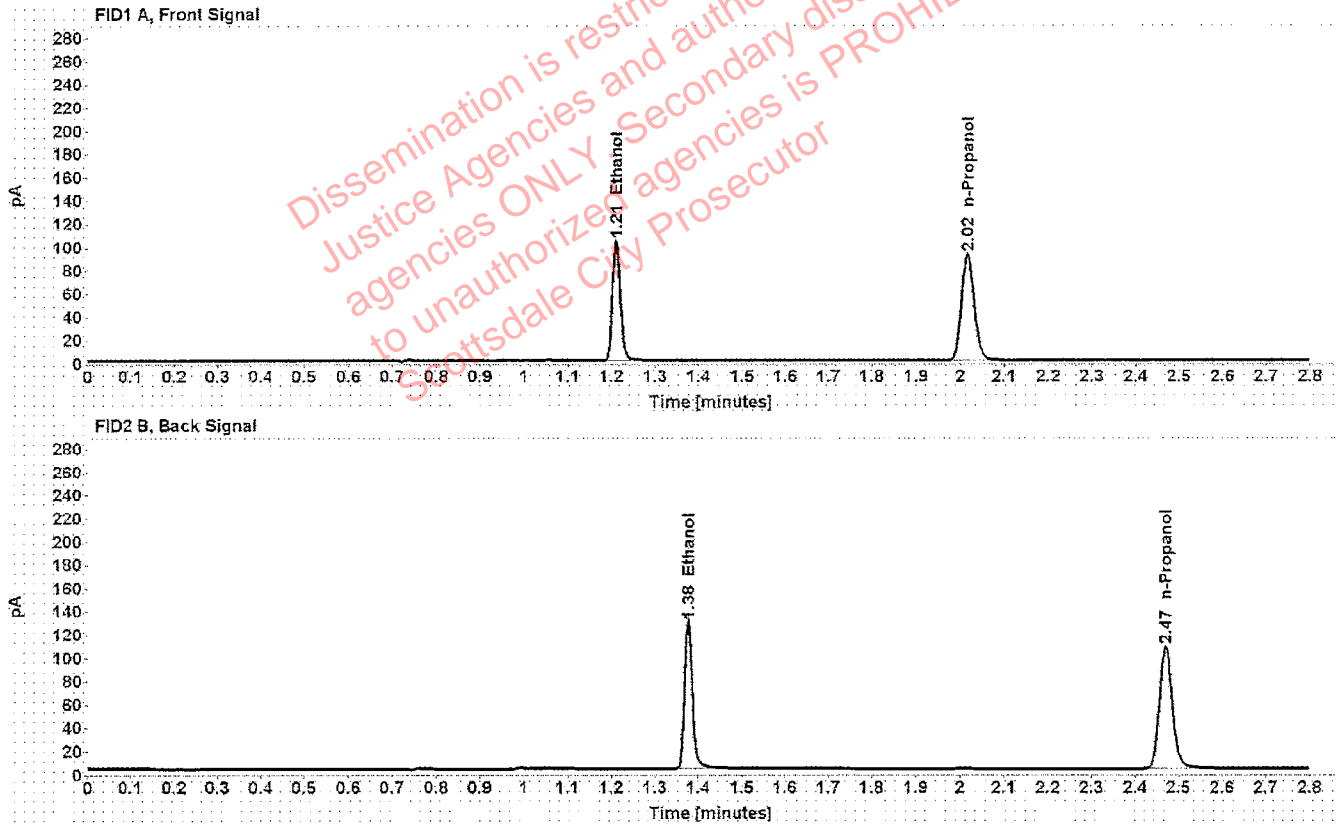


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1971	1.211	132.750
n-Propanol	-----	2.017	183.302

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

Compound	Time (min)	Peak Area
Ethanol	1.377	162.185
n-Propanol	2.470	217.827

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 03Apr20
Instrument: US14173023 CN14160045	Injection date: 4/3/2020 4:22:49 PM
Data file: C:\Chem32\1\Data\03Apr20\45.D	Analyst: Canonico <i>EC</i>

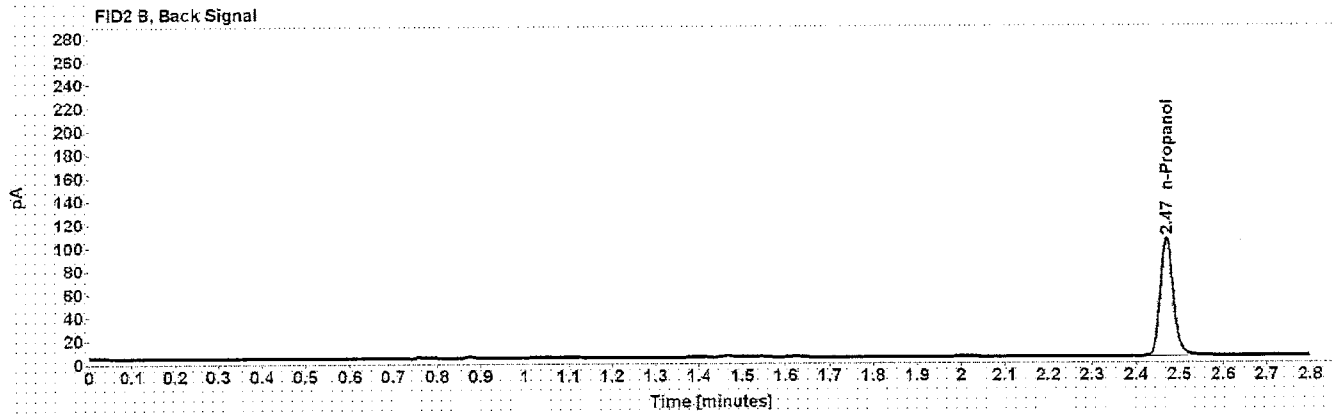
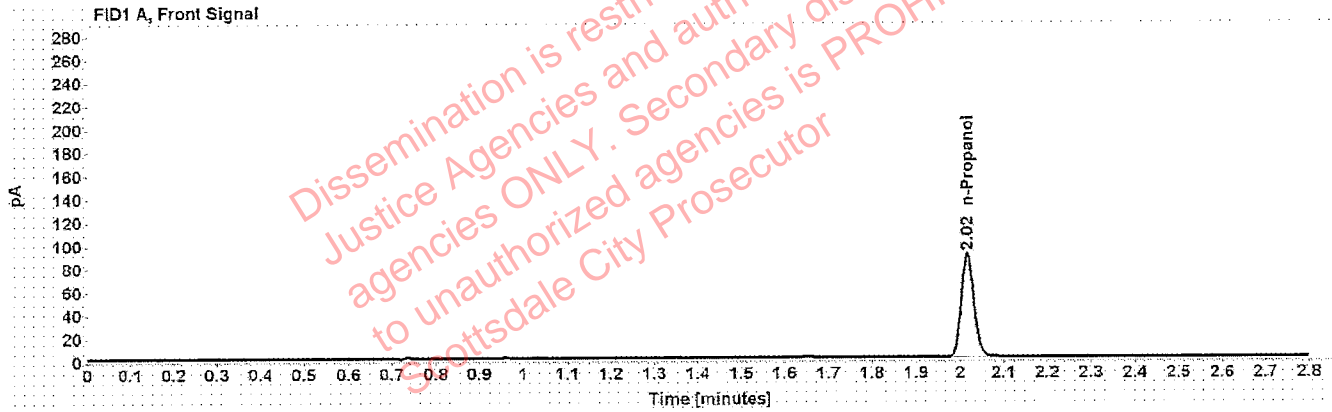


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	178.346

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	212.037

Sequence Summary

Sequence name: 03Apr20 Instrument: US14173023 CN14160045 Analyst: Canonico *ec*

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	121219	Negative	Control		ethanol quant.M
6	070819	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	1312380		Sample		ethanol quant.M
11	1312380		Sample		ethanol quant.M
12	1289796		Sample		ethanol quant.M
13	1289796		Sample		ethanol quant.M
14	1315035		Sample		ethanol quant.M
15	1315035		Sample		ethanol quant.M
16	1314407		Sample		ethanol quant.M
17	1314407		Sample		ethanol quant.M
18	1312267		Sample		ethanol quant.M
19	1312267		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1312362		Sample		ethanol quant.M
22	1312362		Sample		ethanol quant.M
23	1313305		Sample		ethanol quant.M
24	1313305		Sample		ethanol quant.M
25	1312903		Sample		ethanol quant.M
26	1312903		Sample		ethanol quant.M
27	1314482		Sample		ethanol quant.M
28	1314482		Sample		ethanol quant.M
29	1315477		Sample		ethanol quant.M
30	1315477		Sample		ethanol quant.M
31	14082019-C	0.150	Control		ethanol quant.M
32	1315450		Sample		ethanol quant.M
33	1315450		Sample		ethanol quant.M
34	1315395		Sample		ethanol quant.M
35	1315395		Sample		ethanol quant.M
36	1314396		Sample		ethanol quant.M
37	1314396		Sample		ethanol quant.M
38	1313448		Sample		ethanol quant.M
39	1313448		Sample		ethanol quant.M
40	1314167		Sample		ethanol quant.M
41	1314167		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

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

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 03Apr20

ANALYST: Canonico *ec*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2430	0.2413	0.24215	0.35	0.00085
12 13	0.1945	0.1974	0.19595	0.74	0.00145
14 15	0.1545	0.1548	0.15465	0.10	0.00015
16 17	0.2691	0.2712	0.27015	0.39	0.00105
18 19	0.2046	0.2059	0.20525	0.32	0.00065
21 22	0.1315	0.1309	0.13120	0.23	0.00030
23 24	0.1893	0.1910	0.19015	0.45	0.00085
25 26	0.2107	0.2128	0.21175	0.50	0.00105
27 28	0.0000	0.0000	0.00000	0.00	0.00000
29 30	0.1772	0.1791	0.17815	0.53	0.00095
32 33	0.2369	0.2355	0.23620	0.30	0.00070
34 35	0.1459	0.1453	0.14560	0.21	0.00030
36 37	0.0960	0.0982	0.09710	1.13	0.00110
38 39	0.0856	0.0848	0.08520	0.47	0.00040
40 41	0.2259	0.2264	0.22615	0.11	0.00025

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312380	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:01:20 PM
Data file:	C:\Chem32\1\Data\03Apr20\10.D	Analyst:	Canonico

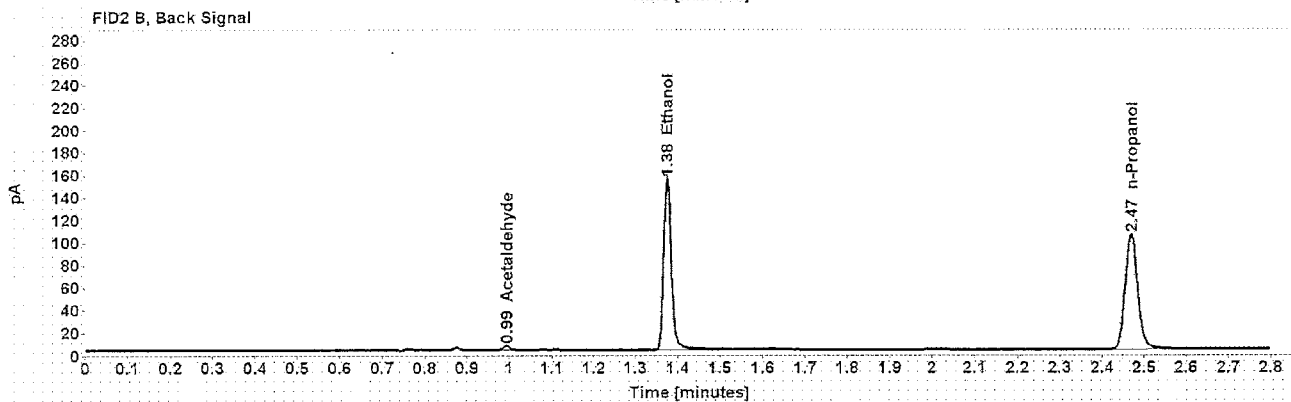
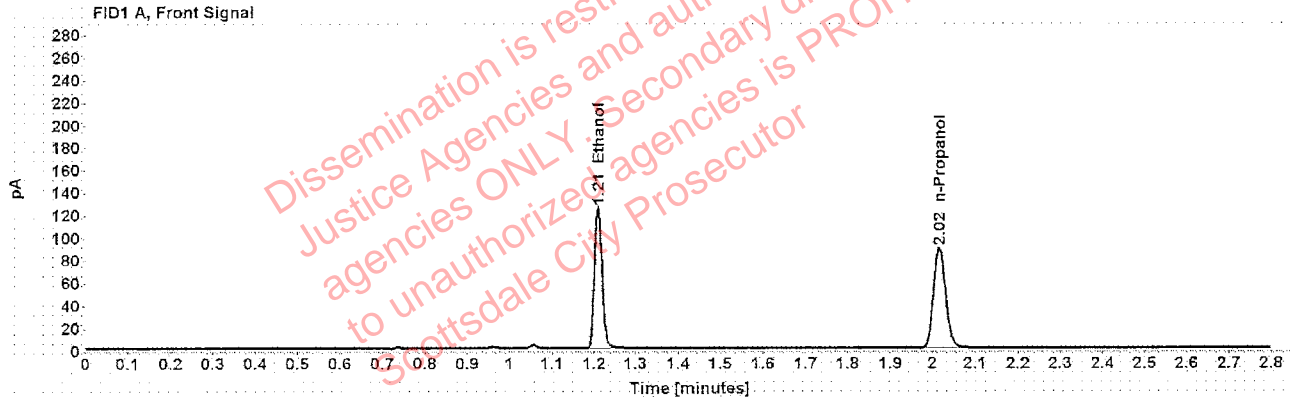


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2430	1.210	159.416
n-Propanol	-----	2.016	177.892

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.802
Ethanol	1.375	195.235
n-Propanol	2.469	210.944

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312380	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:05:20 PM
Data file:	C:\Chem32\1\Data\03Apr20\11.D	Analyst:	Canonico

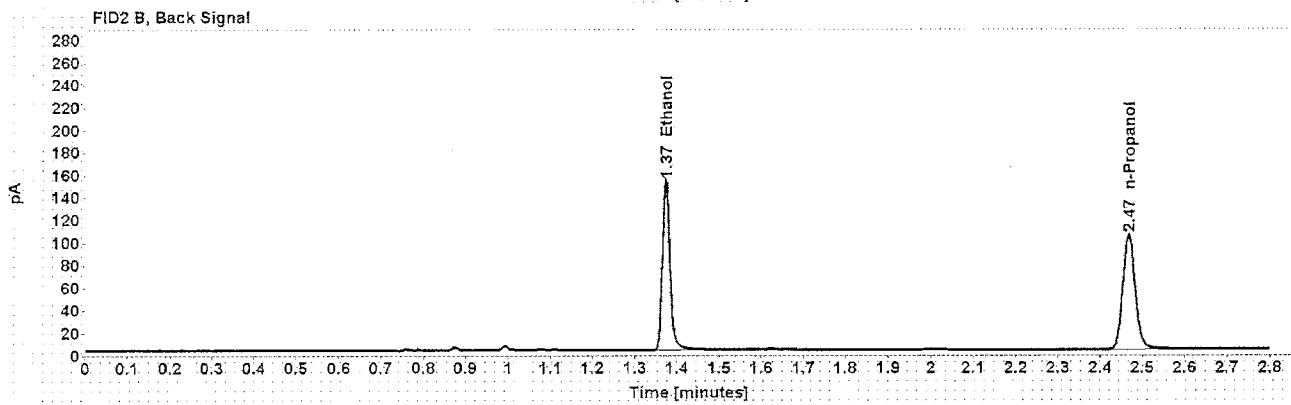
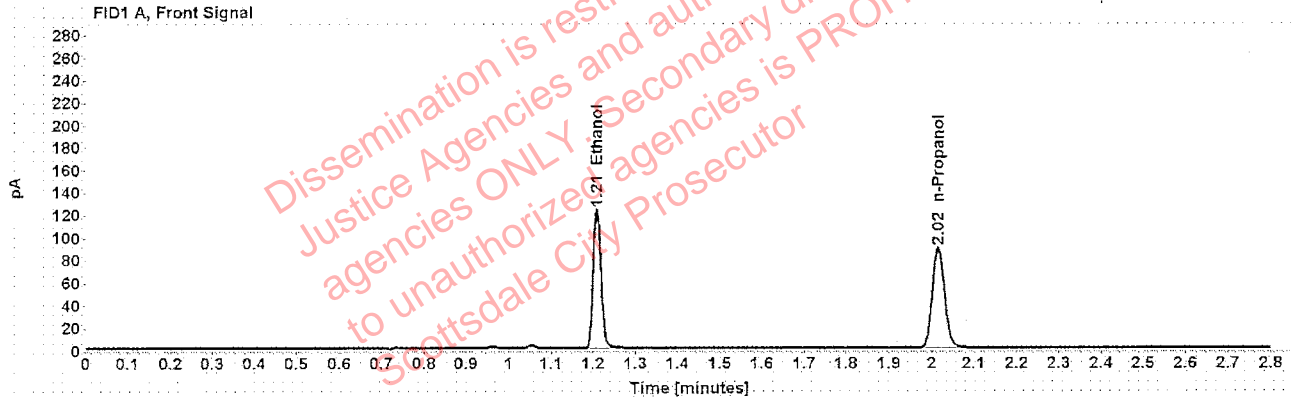


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2413	1.209	157.702
n-Propanol	-----	2.015	177.192

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

Compound	Time (min)	Peak Area
Ethanol	1.374	193.829
n-Propanol	2.468	210.027

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1289796	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:09:20 PM
Data file:	C:\Chem32\1\Data\03Apr20\12.D	Analyst:	Canonico

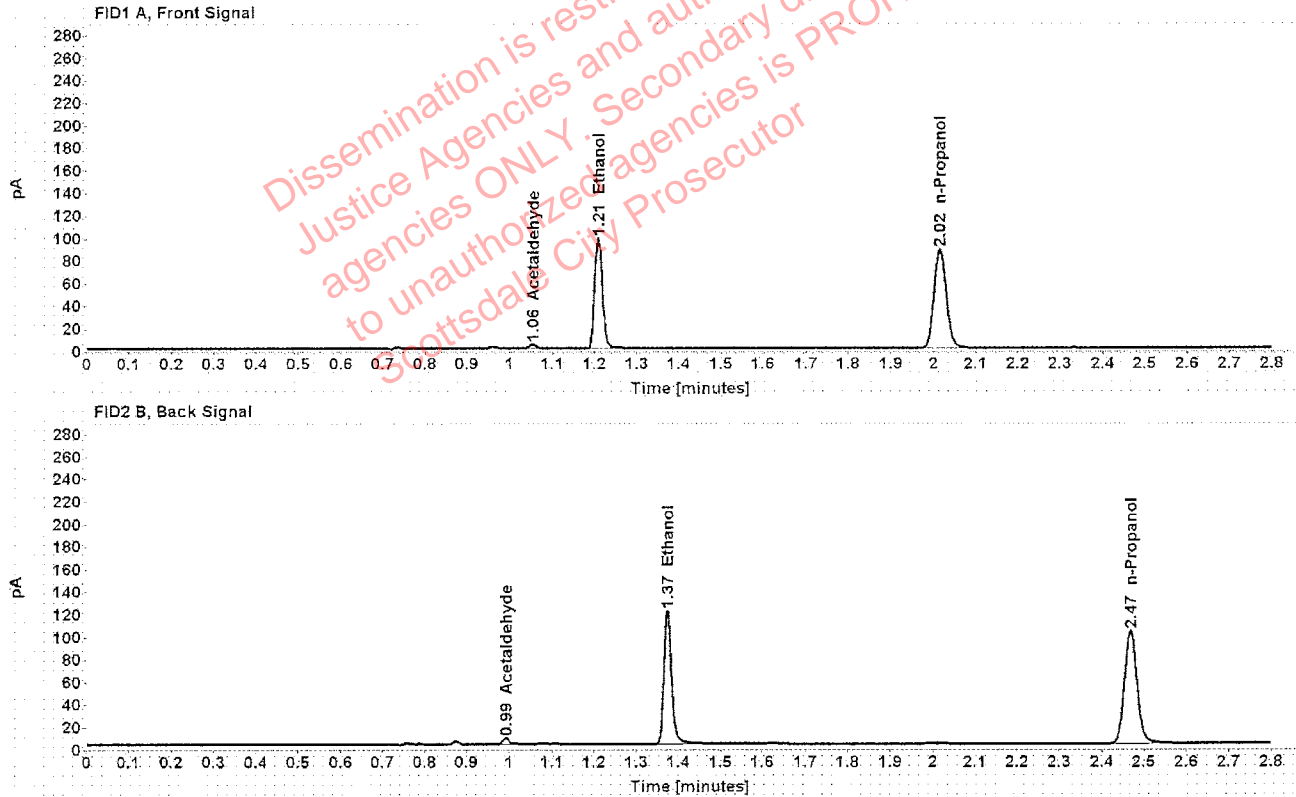


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.947
>Ethanol	0.1945	1.209	125.060
n-Propanol	-----	2.015	174.996

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.146
Ethanol	1.374	153.359
n-Propanol	2.468	207.860

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1289796	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:13:36 PM
Data file:	C:\Chem32\1\Data\03Apr20\13.D	Analyst:	Canonico

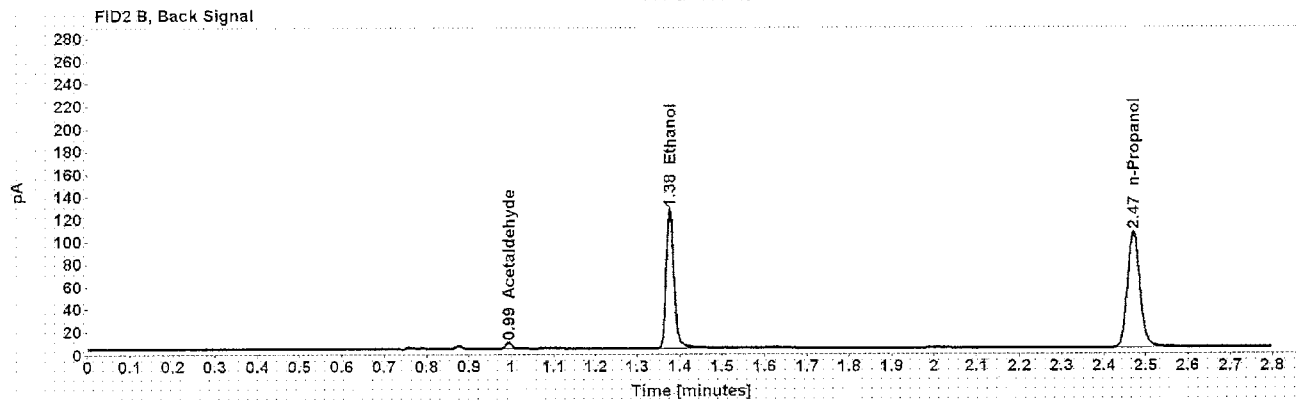
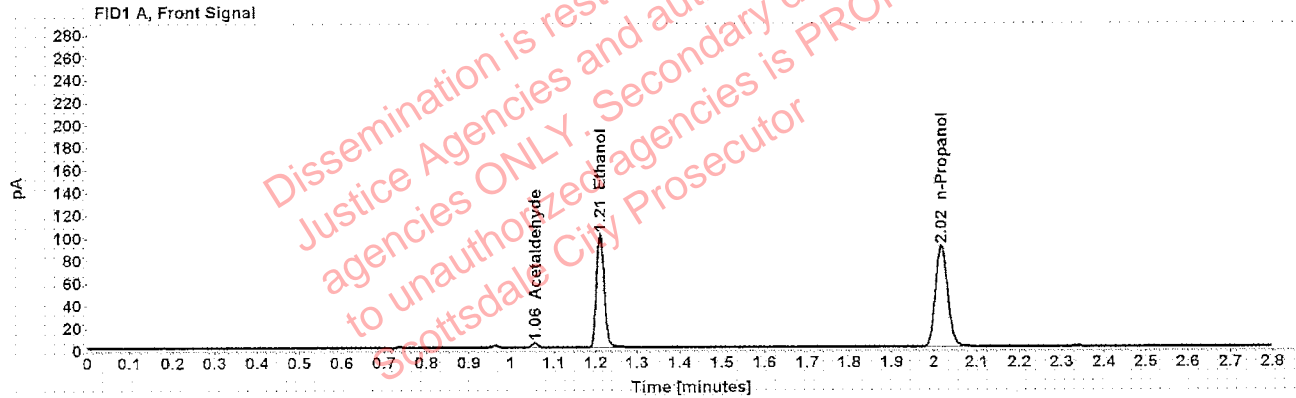


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.014
>Ethanol	0.1974	1.211	130.145
n-Propanol	-----	2.017	179.380

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.212
Ethanol	1.377	159.433
n-Propanol	2.470	213.143

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315035	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:17:37 PM
Data file:	C:\Chem32\1\Data\03Apr20\14.D	Analyst:	Canonico

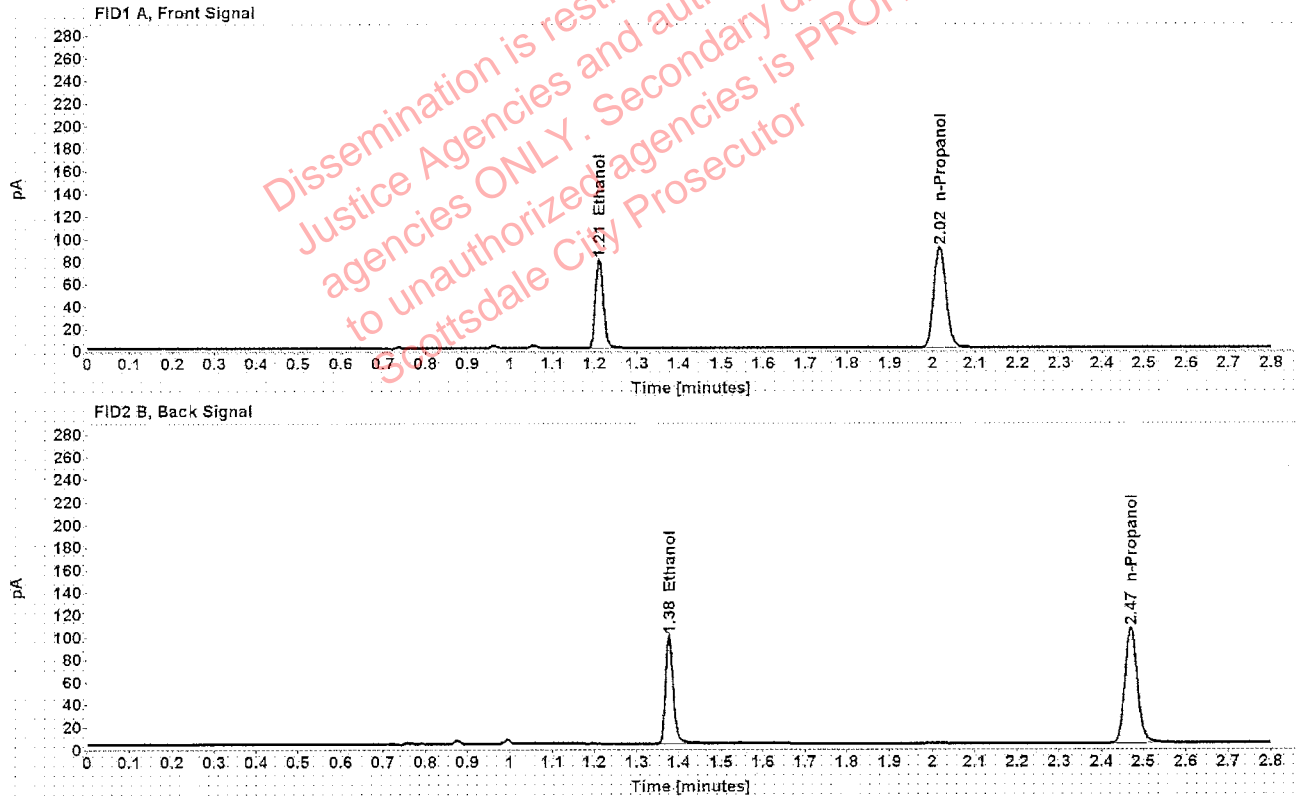


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1545	1.211	101.499
n-Propanol	-----	2.017	179.748

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

Compound	Time (min)	Peak Area
Ethanol	1.377	124.737
n-Propanol	2.470	212.574

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315035	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:21:35 PM
Data file:	C:\Chem32\11\Data\03Apr20\15.D	Analyst:	Canonico

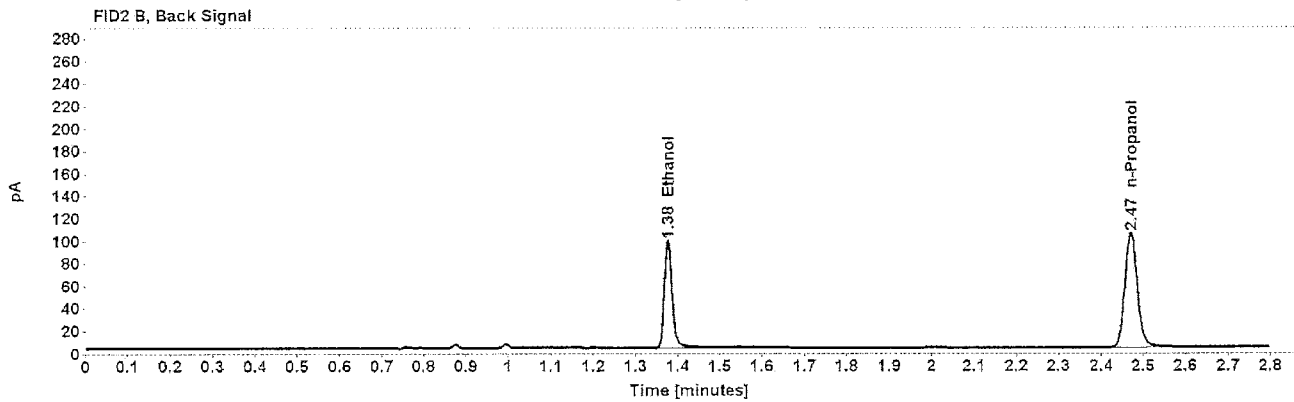
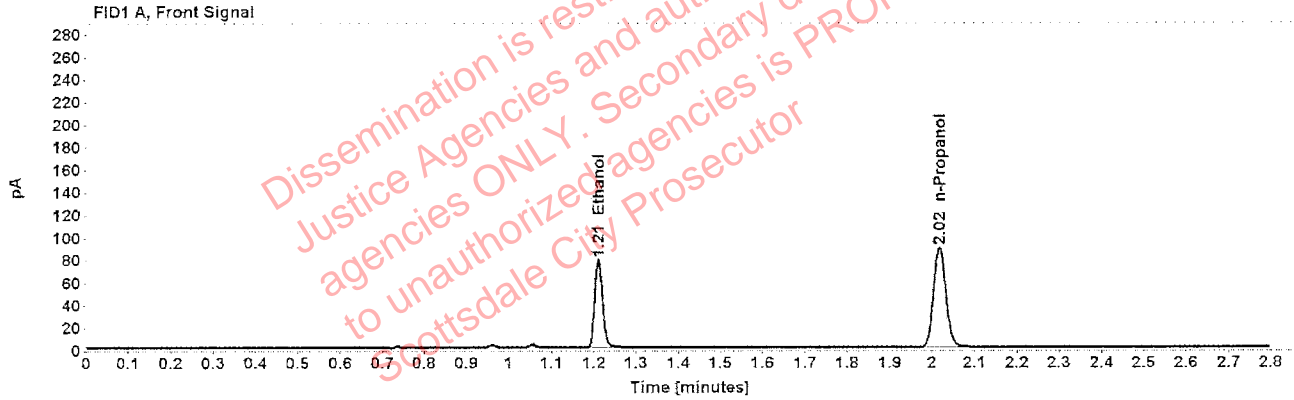


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1548	1.211	100.576
n-Propanol	-----	2.017	177.765

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

Compound	Time (min)	Peak Area
Ethanol	1.377	123.483
n-Propanol	2.470	210.467

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314407	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:25:35 PM
Data file:	C:\Chem32\11\Data\03Apr20\16.D	Analyst:	Canonico

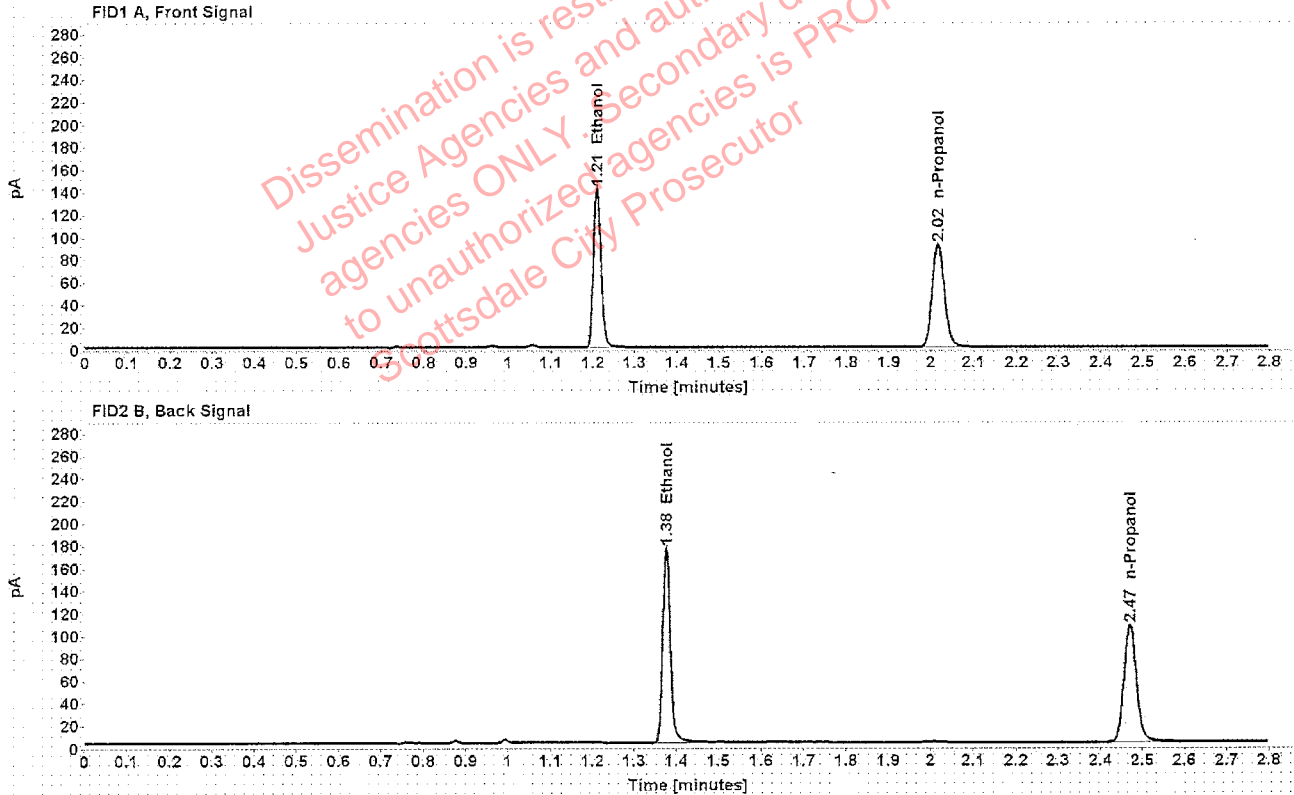


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2691	1.210	181.051
n-Propanol	-----	2.017	182.113

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

Compound	Time (min)	Peak Area
Ethanol	1.376	222.237
n-Propanol	2.470	215.934

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314407	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:29:35 PM
Data file:	C:\Chem32\1\Data\03Apr20\17.D	Analyst:	Canonico

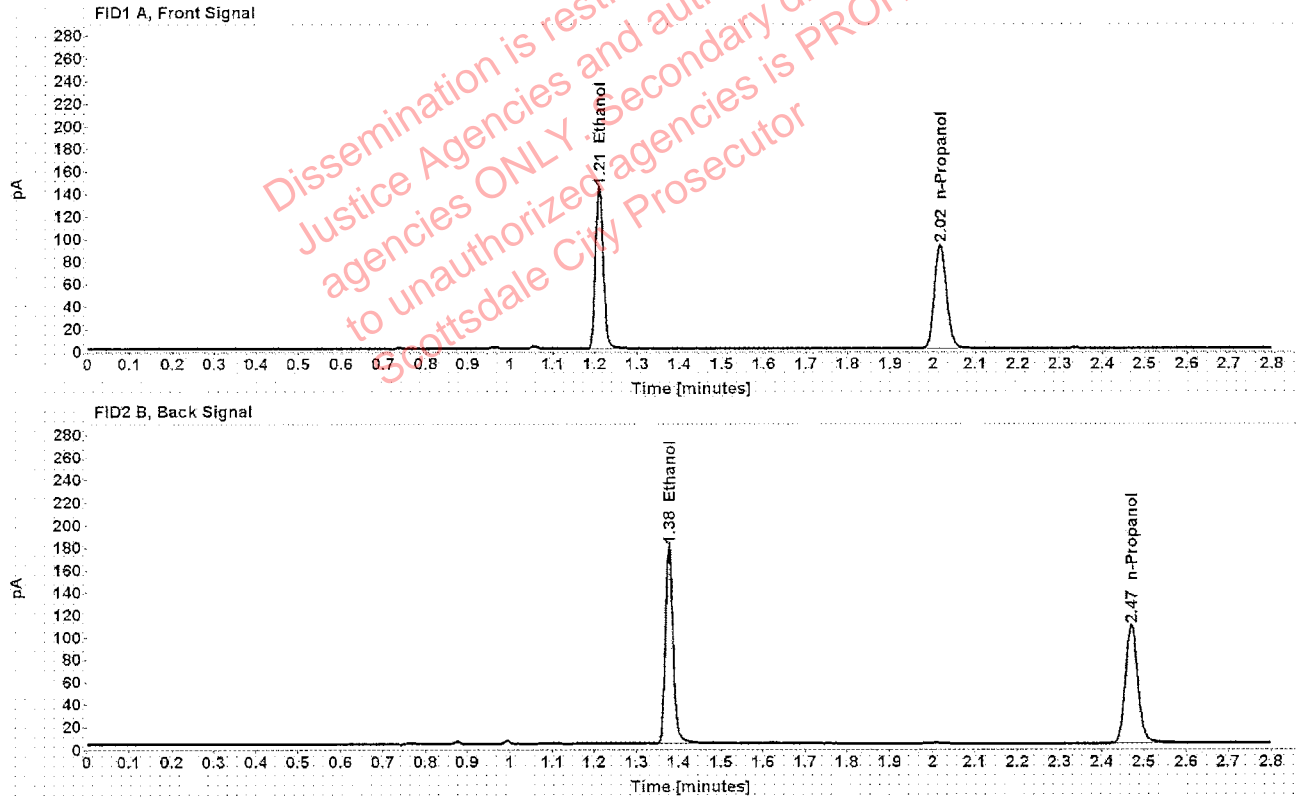


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2712	1.210	183.776
n-Propanol	-----	2.017	183.438

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

Compound	Time (min)	Peak Area
Ethanol	1.377	226.183
n-Propanol	2.470	217.440

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312267	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:33:35 PM
Data file:	C:\Chem32\1\Data\03Apr20\18.D	Analyst:	Canonico

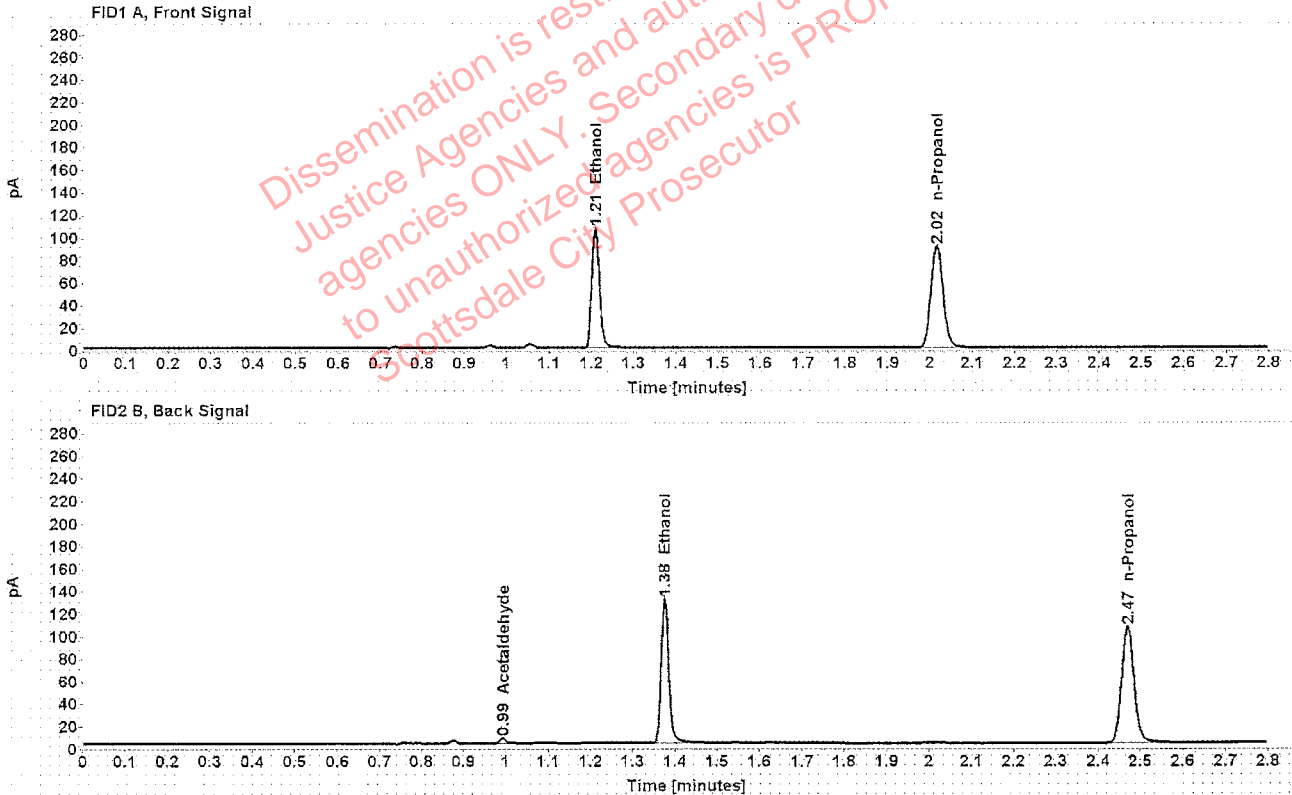


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2046	1.210	135.575
n-Propanol	-----	2.016	180.212

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.559
Ethanol	1.375	166.021
n-Propanol	2.469	213.783

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312267	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:37:50 PM
Data file:	C:\Chem32\1\Data\03Apr20\19.D	Analyst:	Canonico

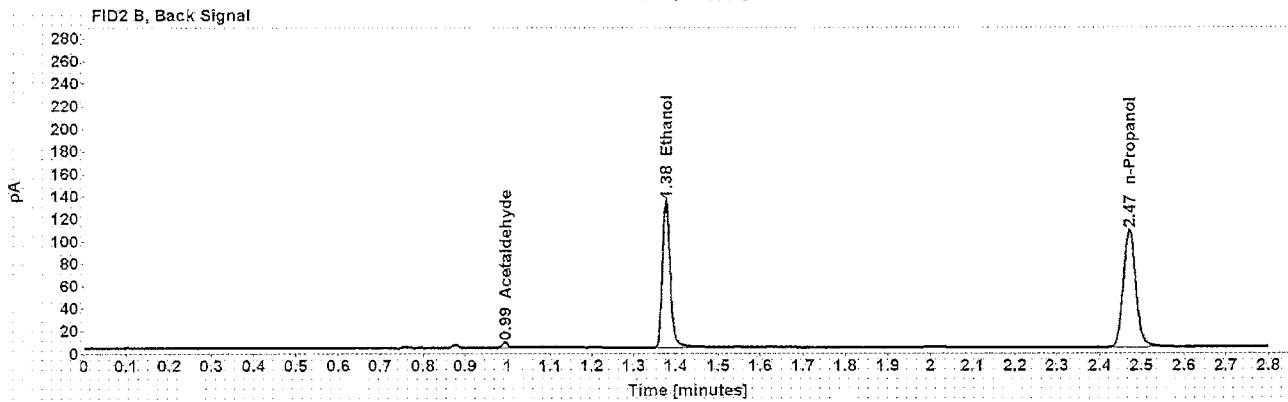
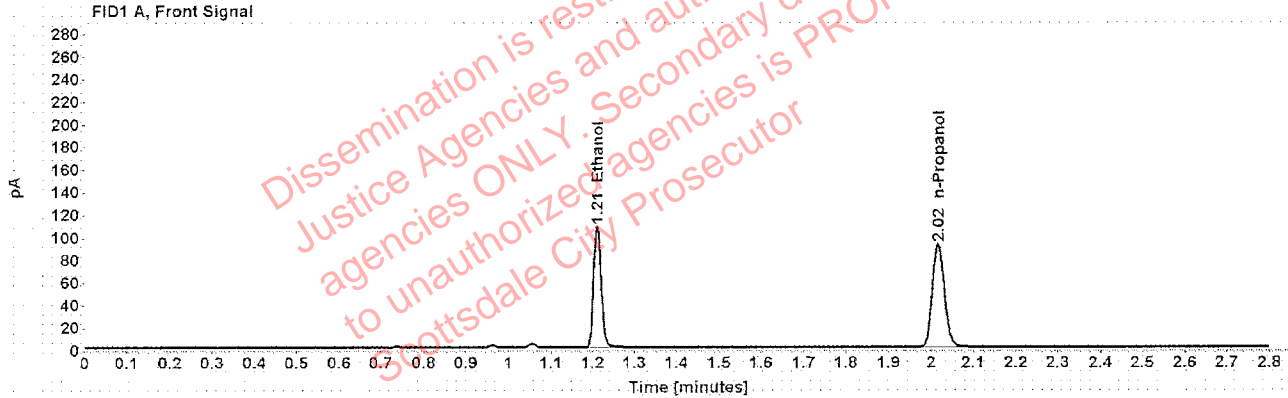


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2059	1.211	138.179
n-Propanol	-----	2.017	182.480

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.566
Ethanol	1.377	169.341
n-Propanol	2.470	216.983

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312362	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:45:50 PM
Data file:	C:\Chem32\1\Data\03Apr20\21.D	Analyst:	Canonico

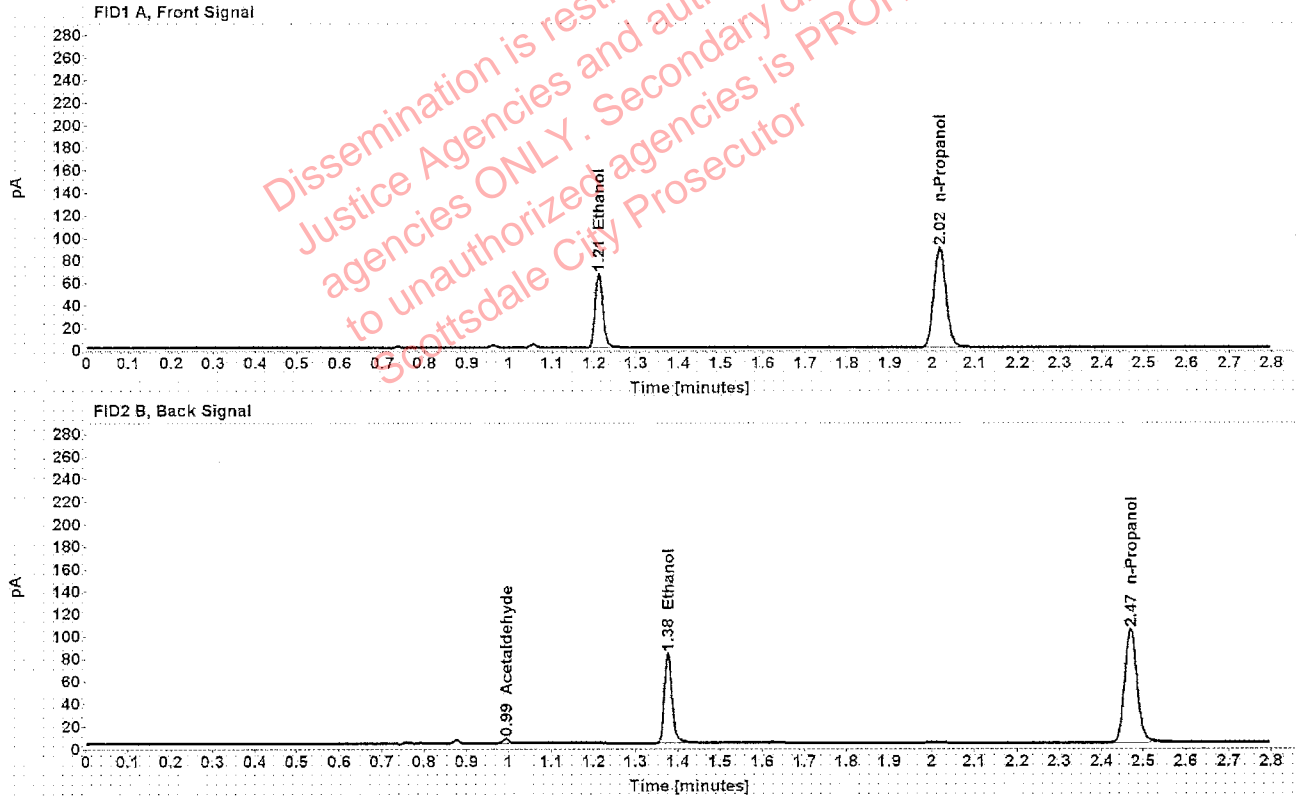


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1315	1.211	84.593
n-Propanol	-----	2.017	176.735

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.777
Ethanol	1.376	101.961
n-Propanol	2.470	209.533

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312362	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:49:50 PM
Data file:	C:\Chem32\1\Data\03Apr20\22.D	Analyst:	Canonico

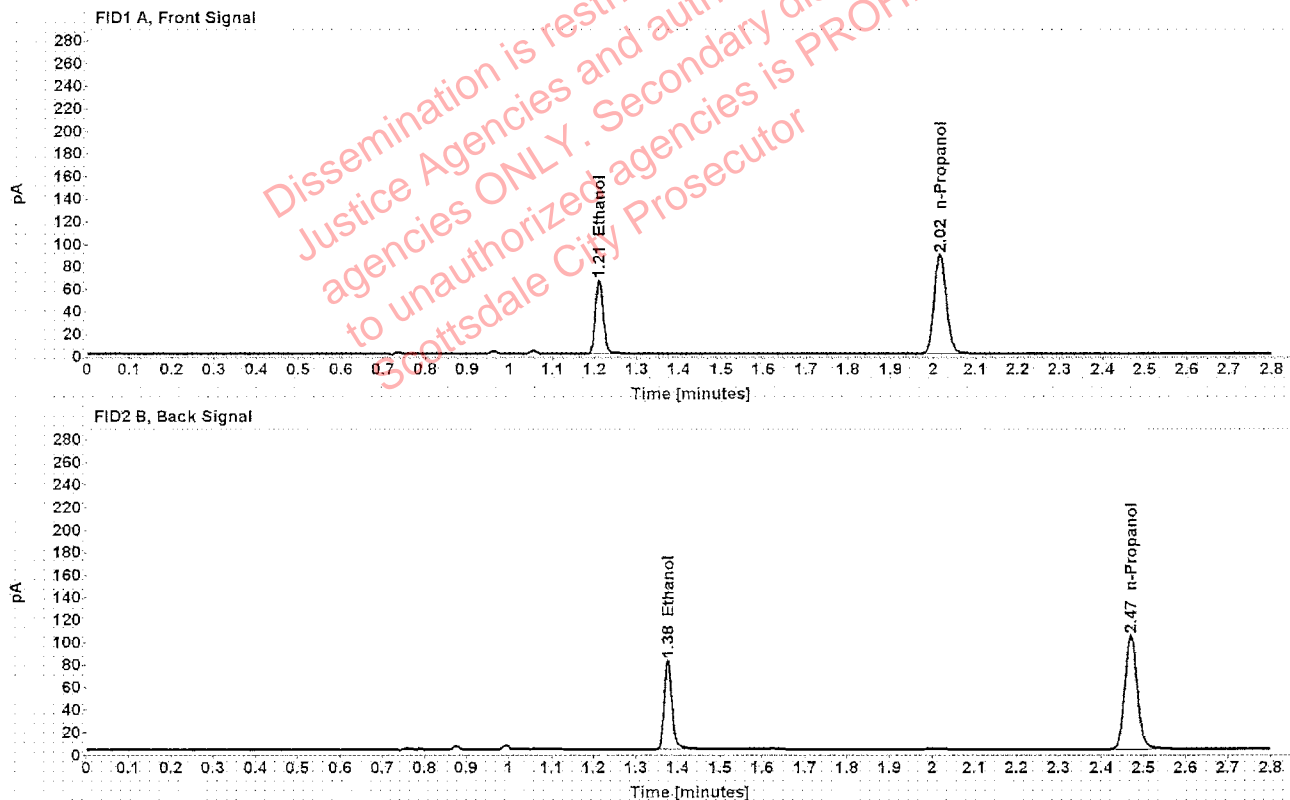


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1309	1.210	84.125
n-Propanol	-----	2.016	176.671

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

Compound	Time (min)	Peak Area
Ethanol	1.376	101.700
n-Propanol	2.469	209.526

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313305	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:53:50 PM
Data file:	C:\Chem32\1\Data\03Apr20\23.D	Analyst:	Canonico

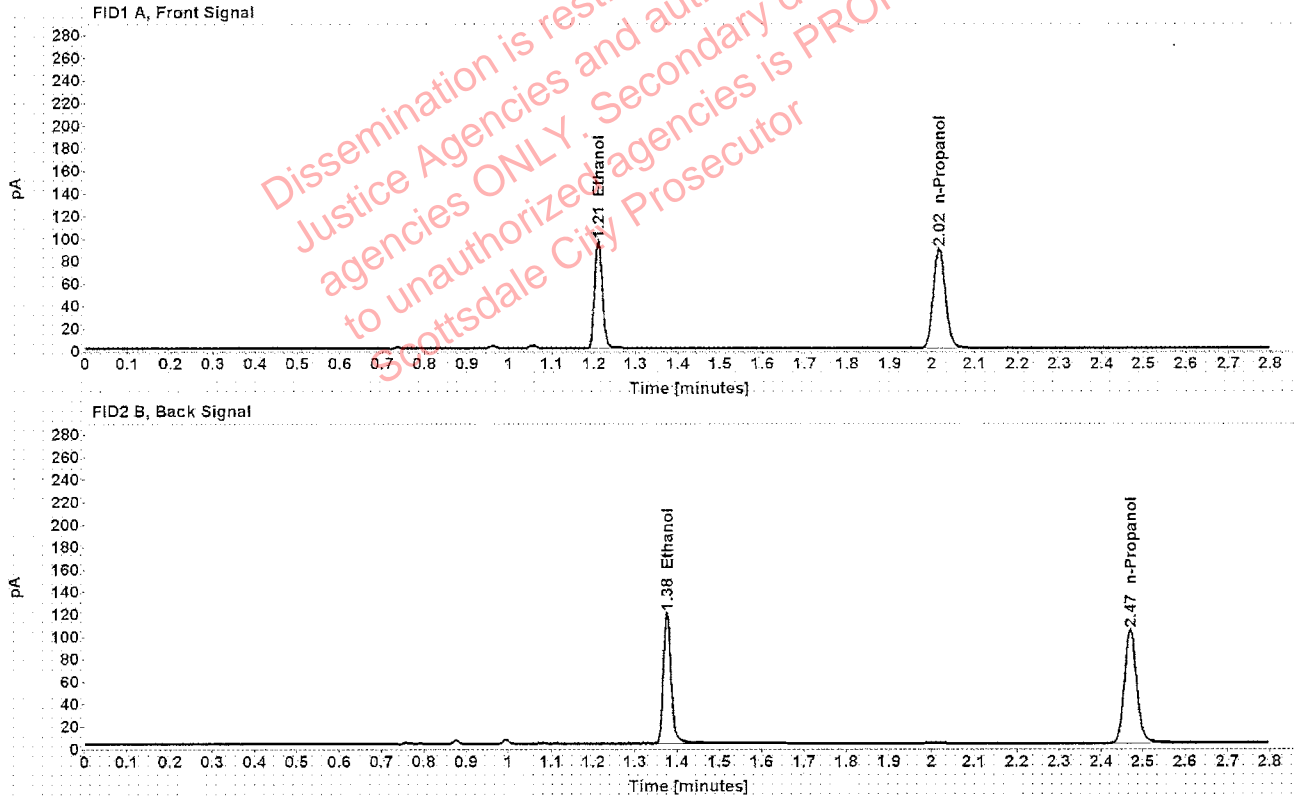


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1893	1.210	122.906
n-Propanol	-----	2.016	176.812

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

Compound	Time (min)	Peak Area
Ethanol	1.376	151.226
n-Propanol	2.469	210.102

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313305	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 2:57:50 PM
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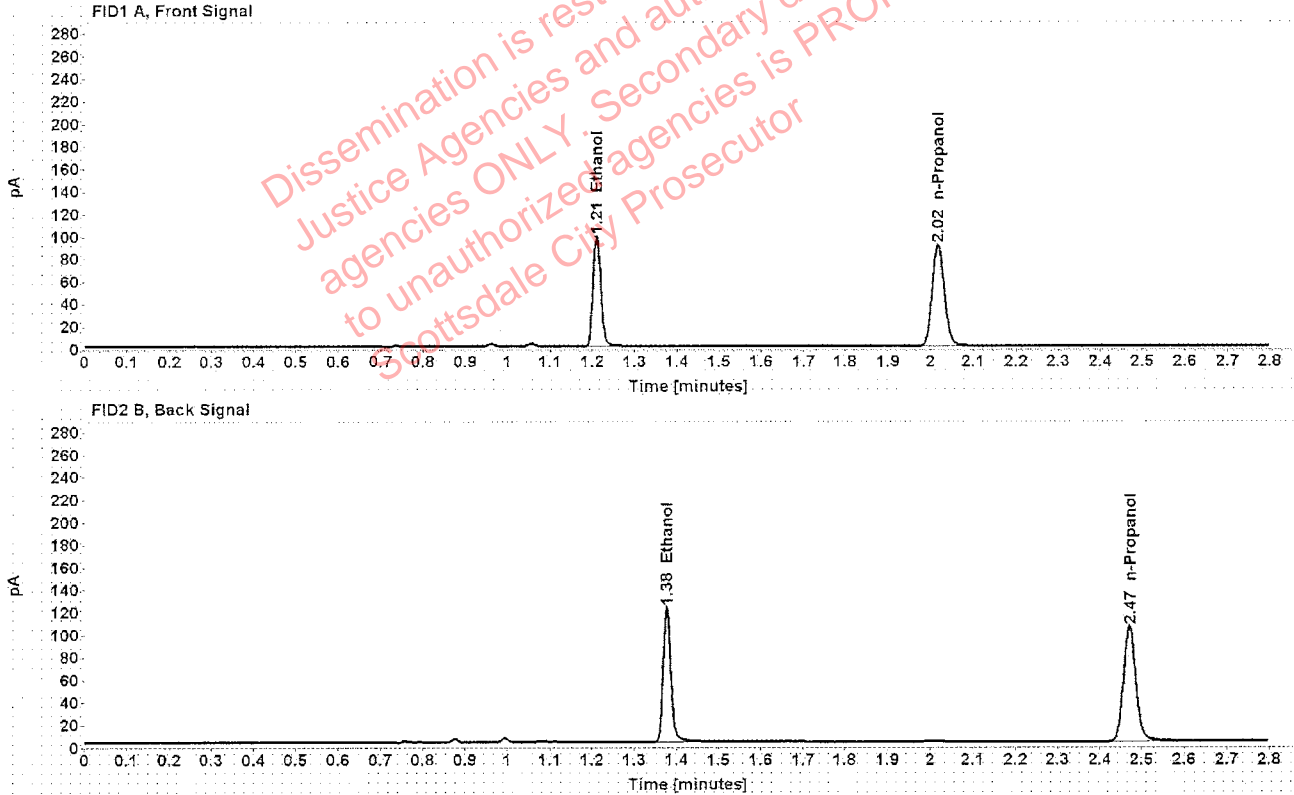


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1910	1.211	126.098
n-Propanol	-----	2.017	179.728

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

Compound	Time (min)	Peak Area
Ethanol	1.377	154.873
n-Propanol	2.470	213.486

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312903	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:02:05 PM
Data file:	C:\Chem32\1\Data\03Apr20\25.D	Analyst:	Canonico

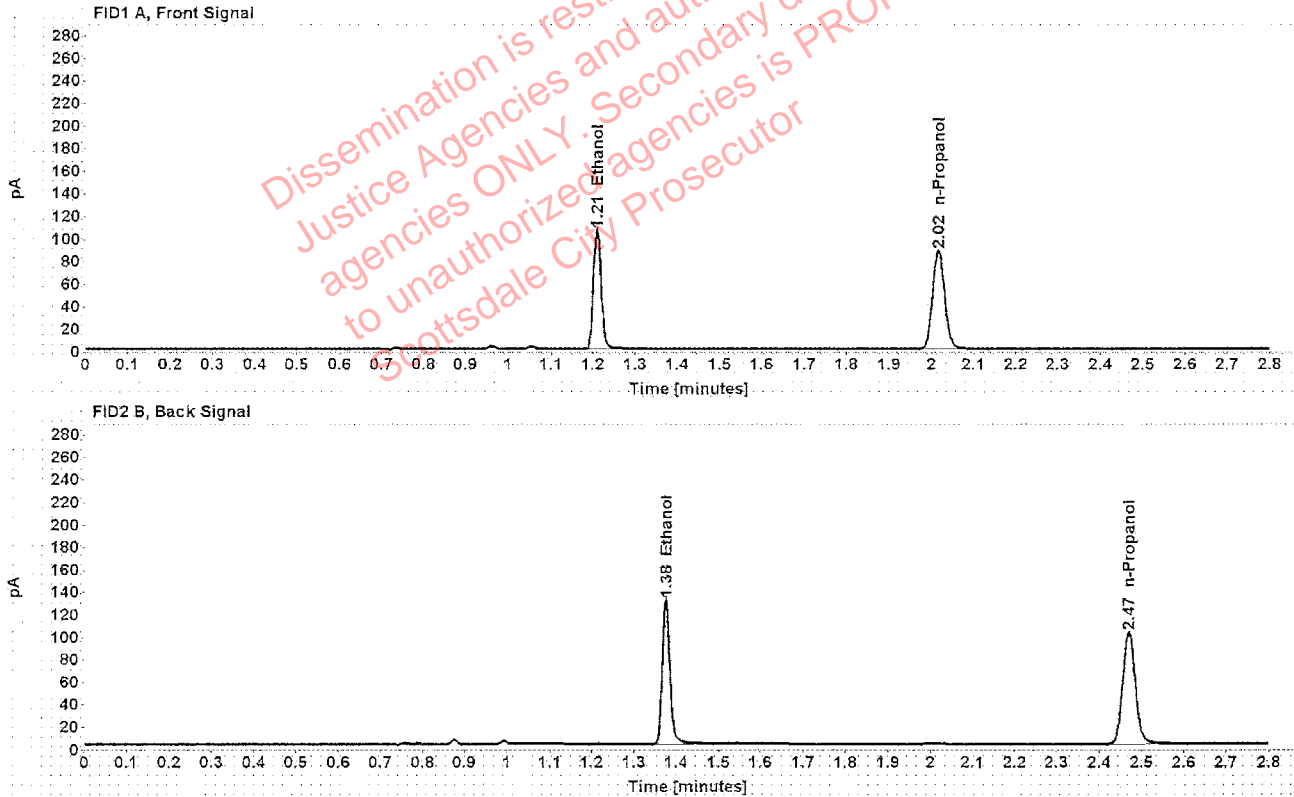


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2107	1.210	135.493
n-Propanol	-----	2.016	174.741

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

Compound	Time (min)	Peak Area
Ethanol	1.375	166.142
n-Propanol	2.469	207.181

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312903	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:06:05 PM
Data file:	C:\Chem32\1\Data\03Apr20\26.D	Analyst:	Canonico

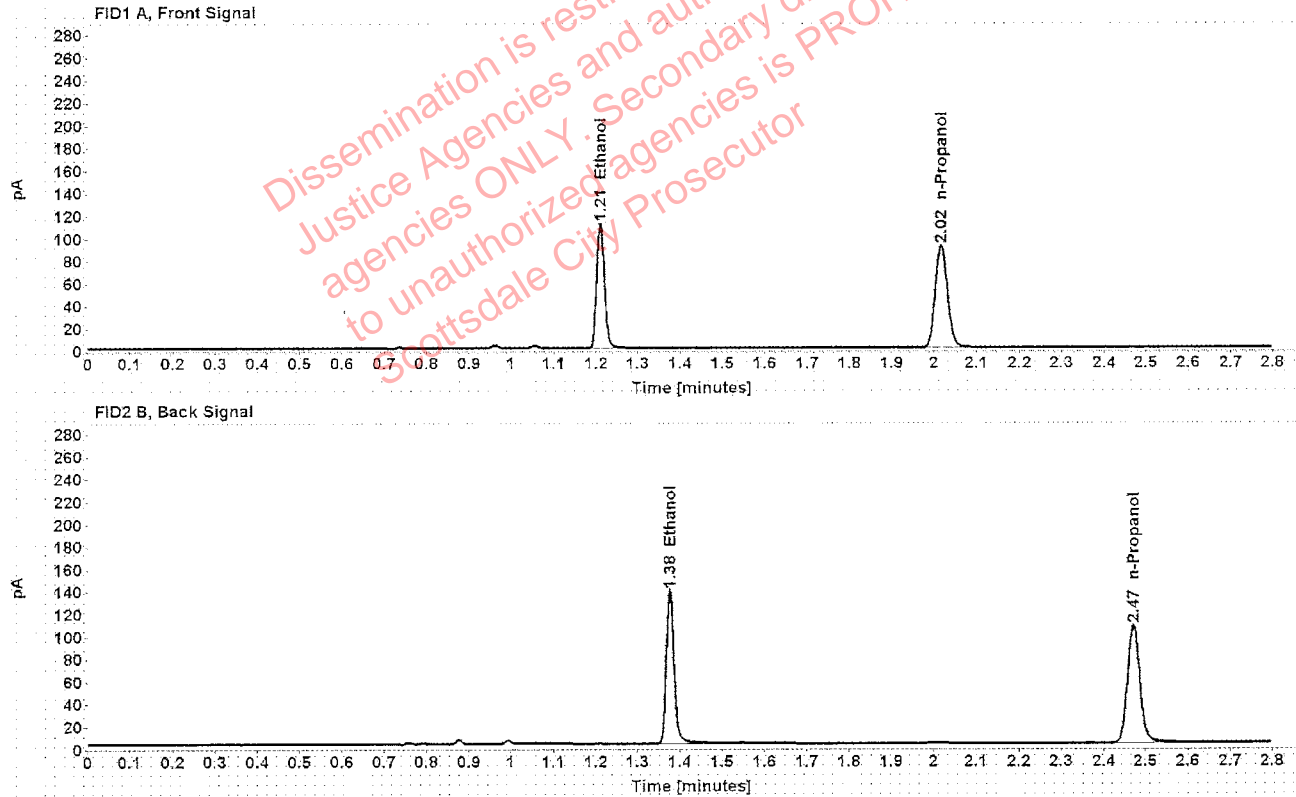


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2128	1.211	142.873
n-Propanol	-----	2.017	182.398

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

Compound	Time (min)	Peak Area
Ethanol	1.377	175.185
n-Propanol	2.470	217.275

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314482	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:10:05 PM
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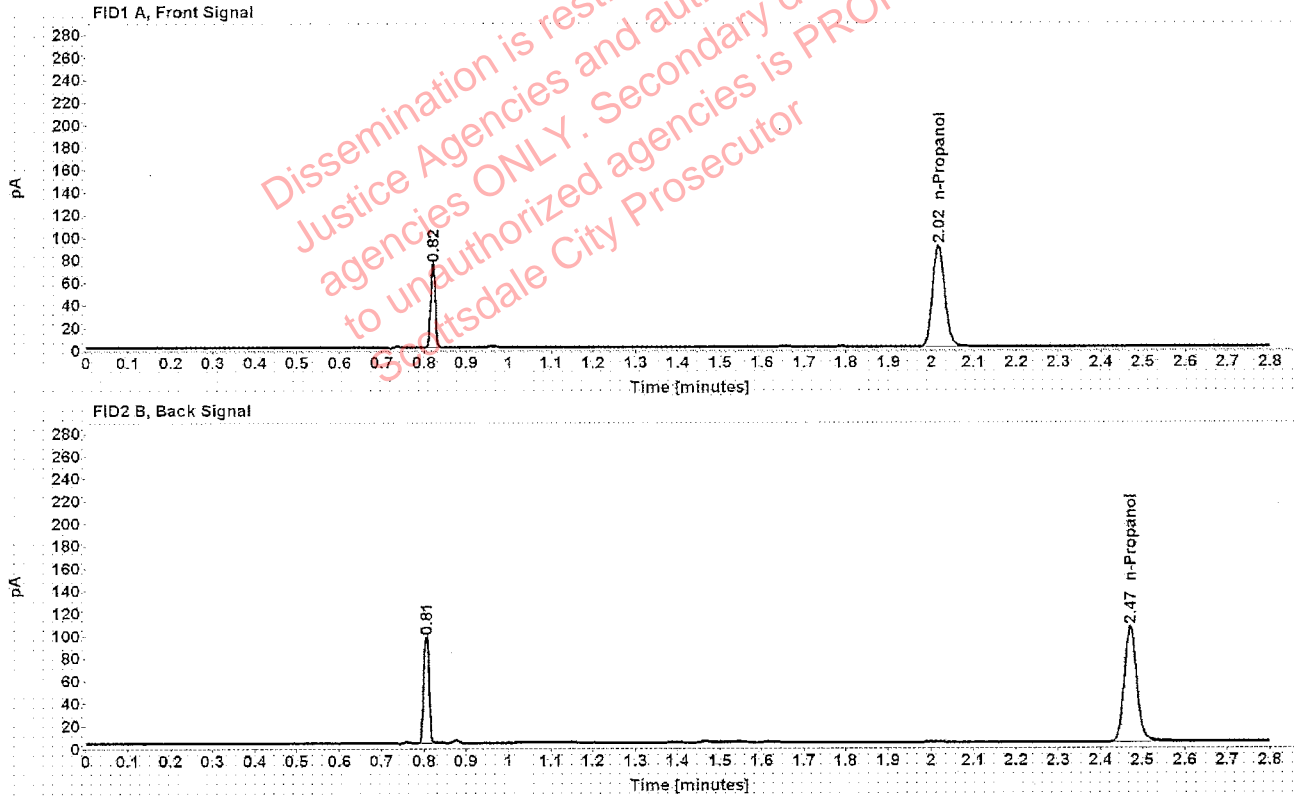


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	179.002

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	212.402

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314482	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:14:05 PM
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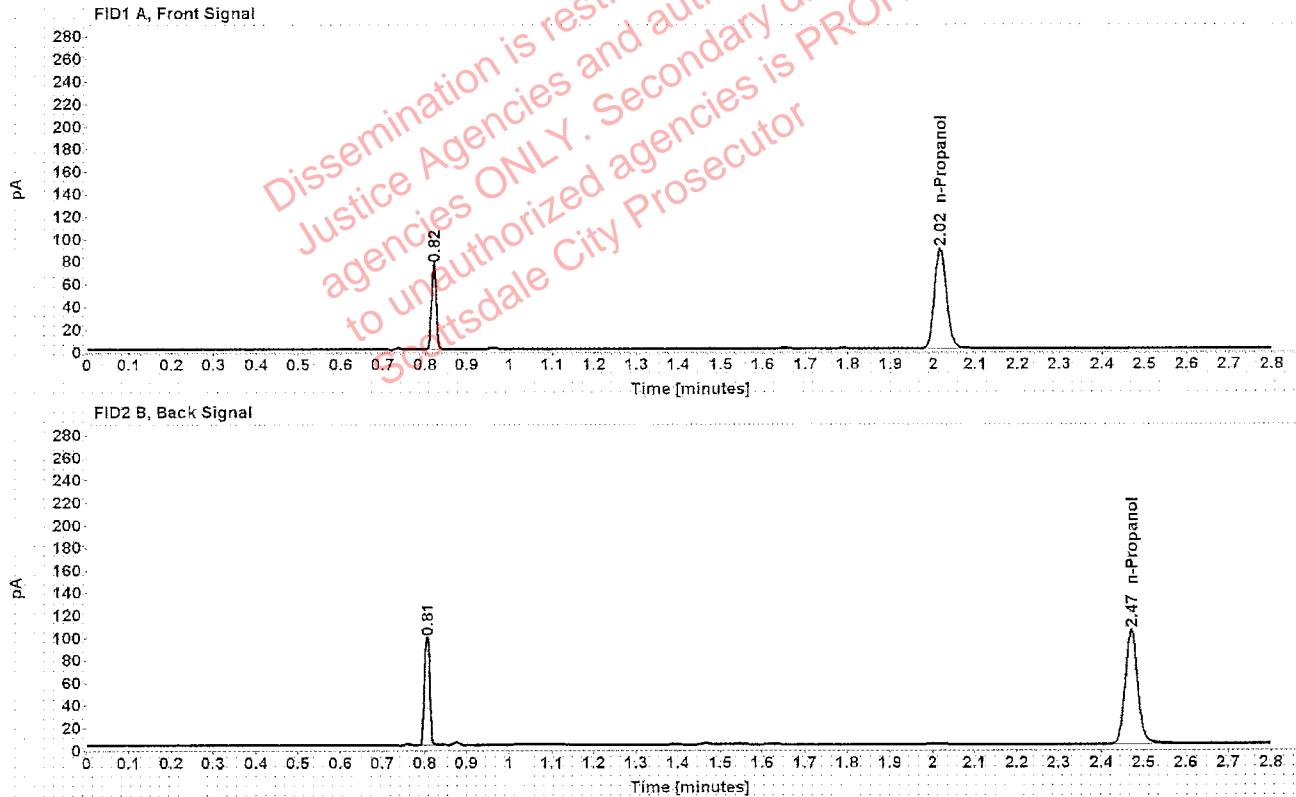


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	177.444

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	210.637

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315477	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:18:05 PM
Data file:	C:\Chem32\1\Data\03Apr20\29.D	Analyst:	Canonico

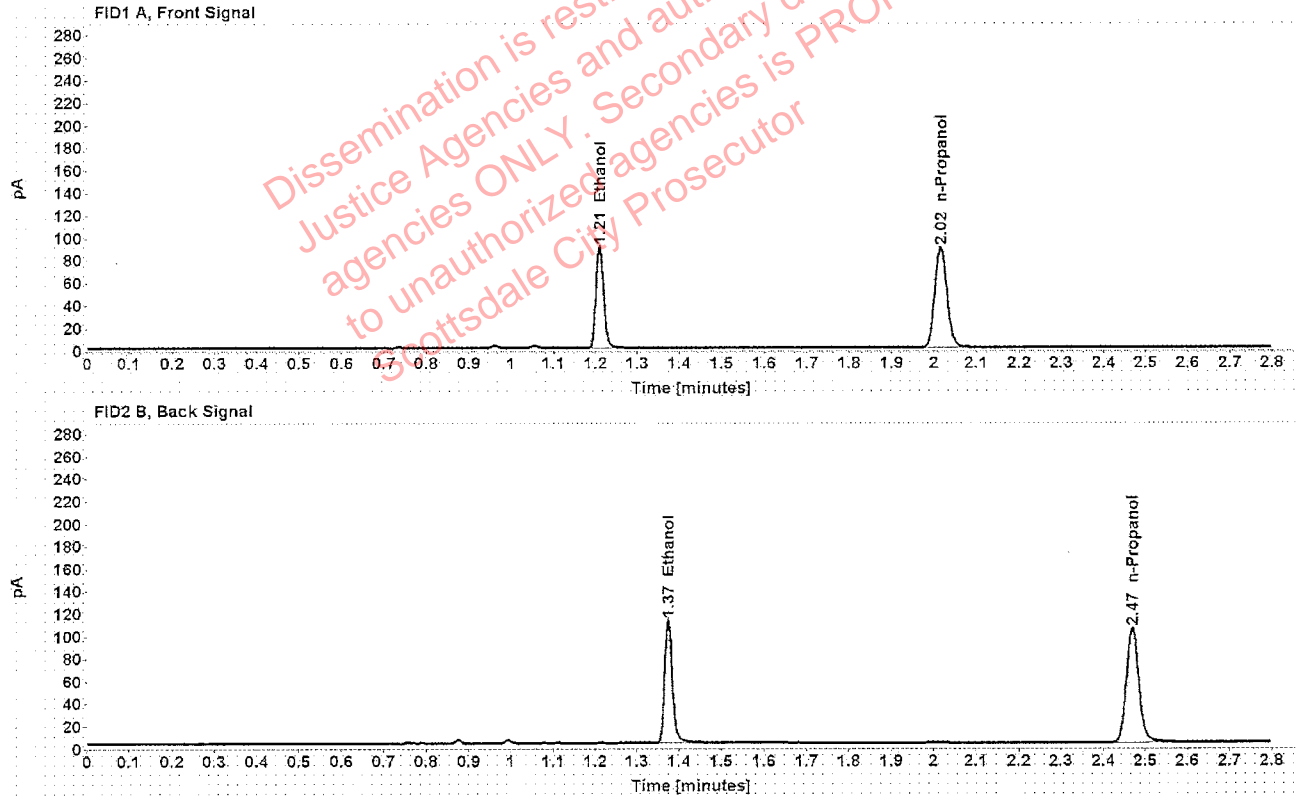


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1772	1.210	115.517
n-Propanol	-----	2.016	177.811

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

Compound	Time (min)	Peak Area
Ethanol	1.375	141.740
n-Propanol	2.469	210.953

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315477	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:22:05 PM
Data file:	C:\Chem32\1\Data\03Apr20\30.D	Analyst:	Canonico

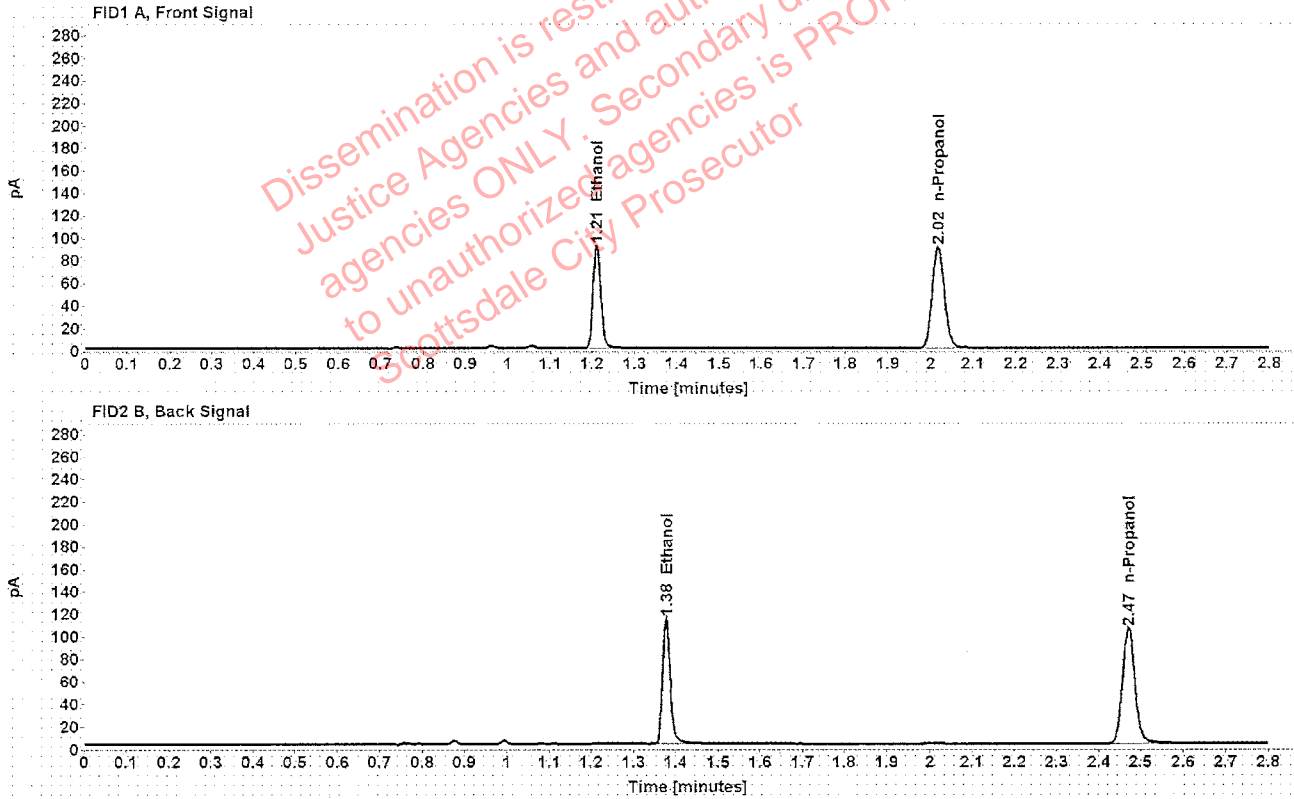


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1791	1.211	117.643
n-Propanol	-----	2.017	179.116

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

Compound	Time (min)	Peak Area
Ethanol	1.377	144.338
n-Propanol	2.470	212.101

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315450	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:30:20 PM
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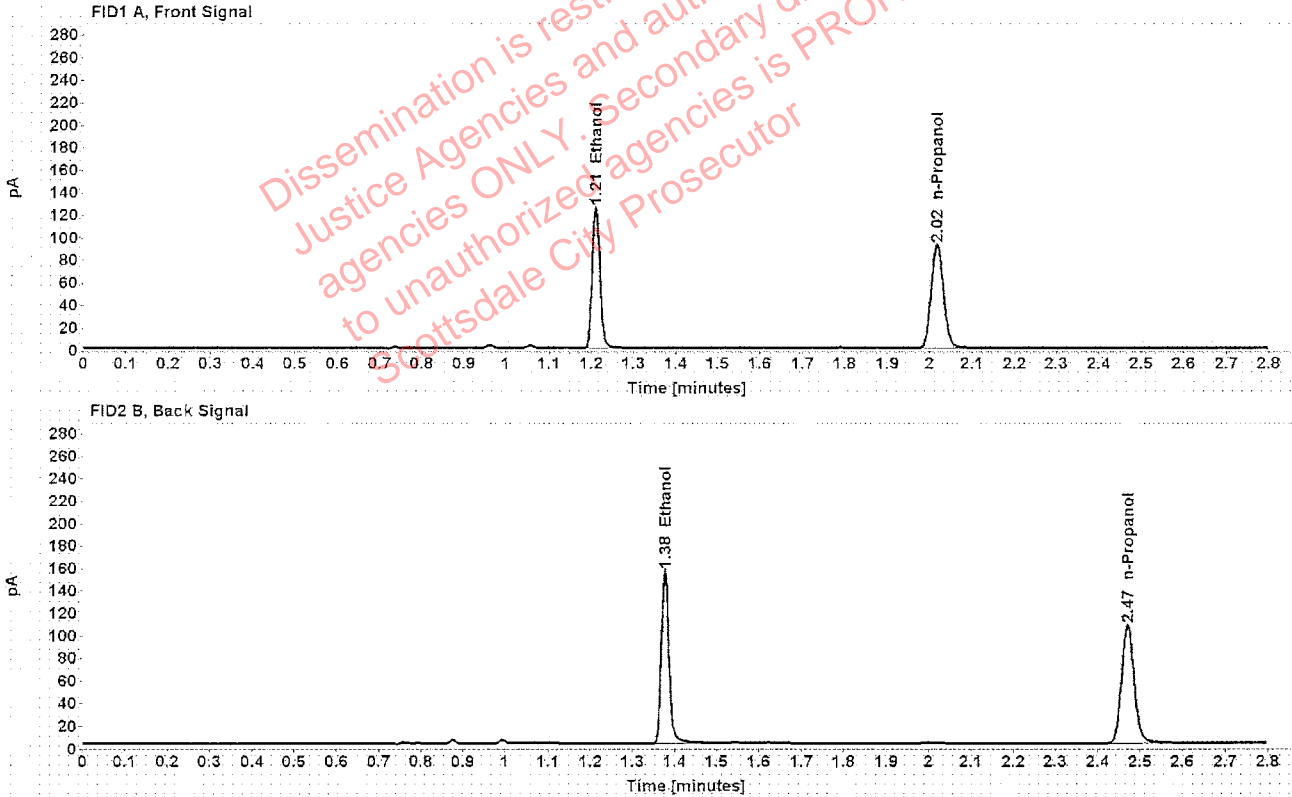


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2369	1.211	160.028
n-Propanol	-----	2.017	183.226

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

Compound	Time (min)	Peak Area
Ethanol	1.377	196.599
n-Propanol	2.470	217.197

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315450	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:34:20 PM
Data file:	C:\Chem32\11\Data\03Apr20\33.D	Analyst:	Canonico

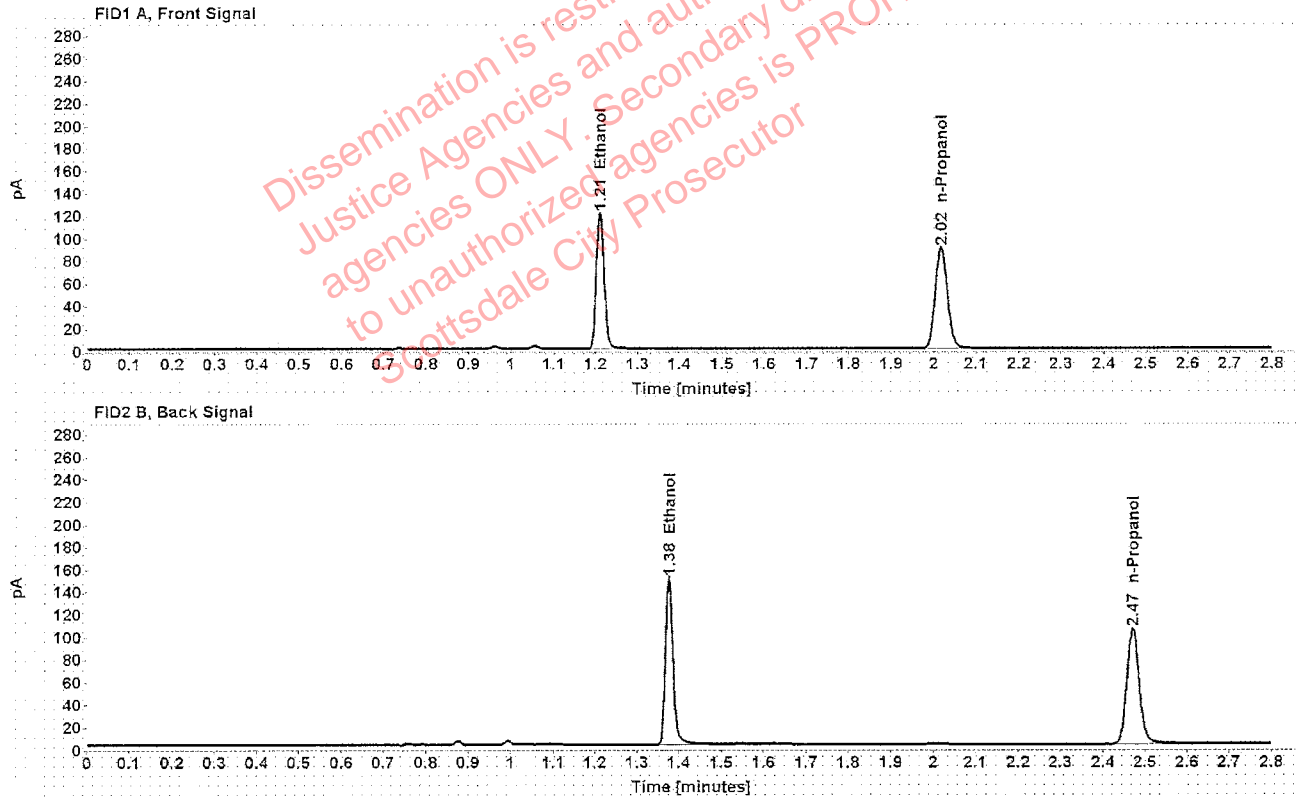


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2355	1.211	155.123
n-Propanol	-----	2.017	178.710

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

Compound	Time (min)	Peak Area
Ethanol	1.377	190.394
n-Propanol	2.470	211.978

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315395	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:38:20 PM
Data file:	C:\Chem32\11\Data\03Apr20\34.D	Analyst:	Canonico

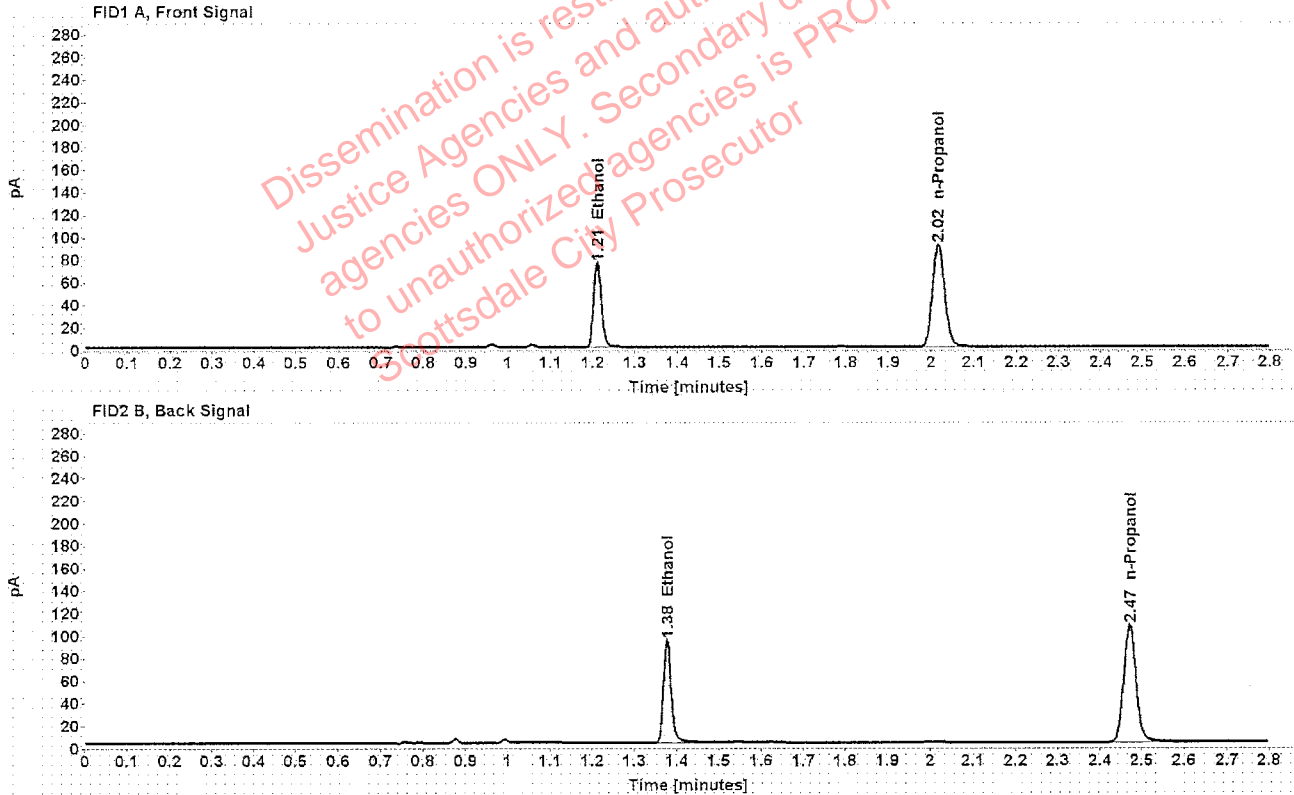


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1459	1.211	96.487
n-Propanol	-----	2.017	181.258

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

Compound	Time (min)	Peak Area
Ethanol	1.377	118.643
n-Propanol	2.470	216.323

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315395	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:42:20 PM
Data file:	C:\Chem32\1\Data\03Apr20\35.D	Analyst:	Canonico

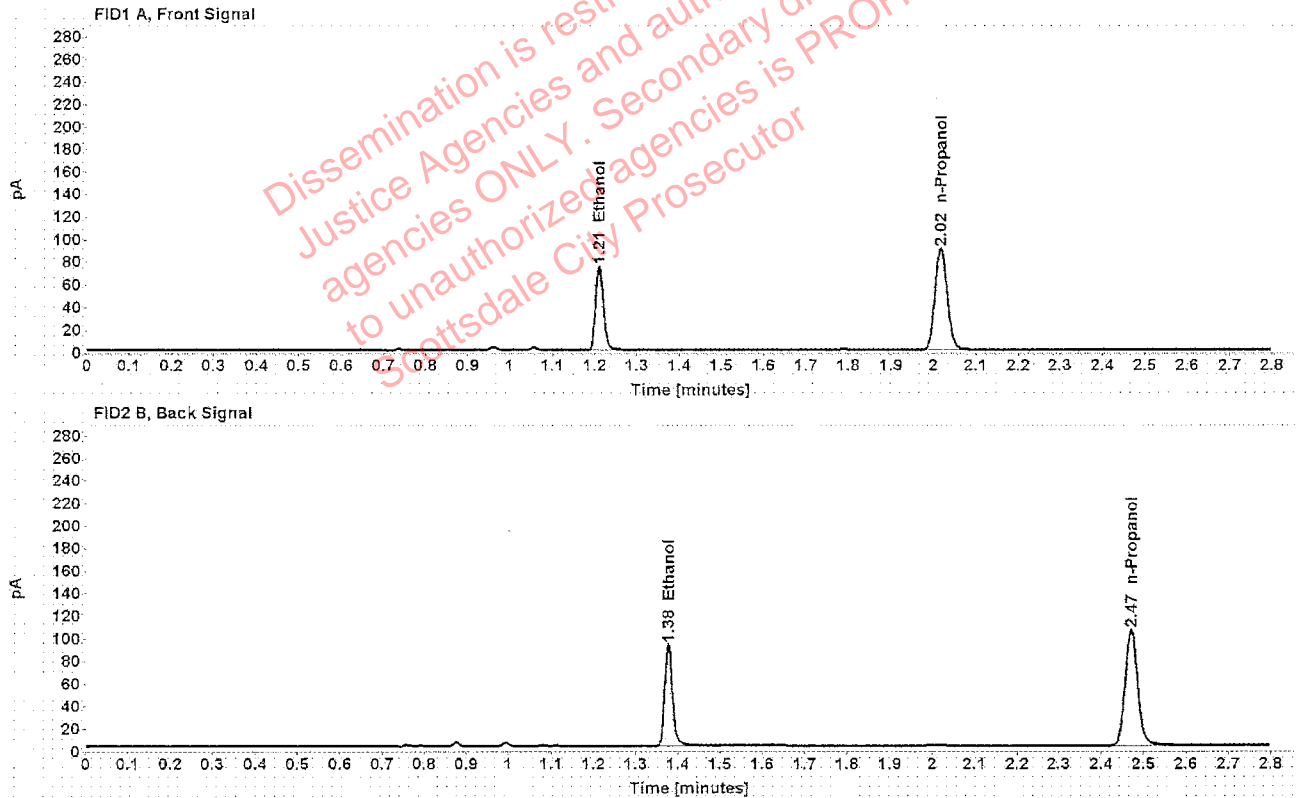


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1453	1.211	95.348
n-Propanol	-----	2.017	179.816

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

Compound	Time (min)	Peak Area
Ethanol	1.377	117.232
n-Propanol	2.470	213.635

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314396	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:46:20 PM
Data file:	C:\Chem32\1\Data\03Apr20\36.D	Analyst:	Canonico

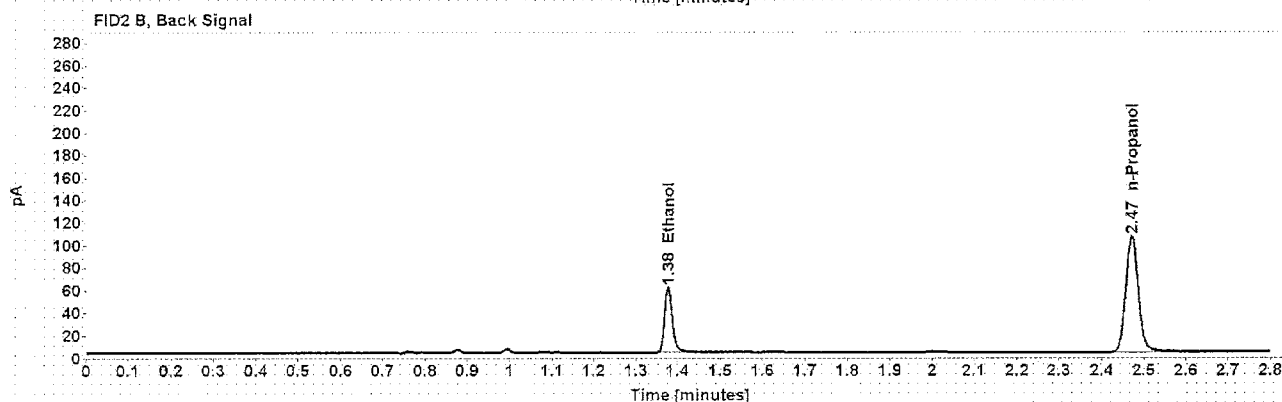
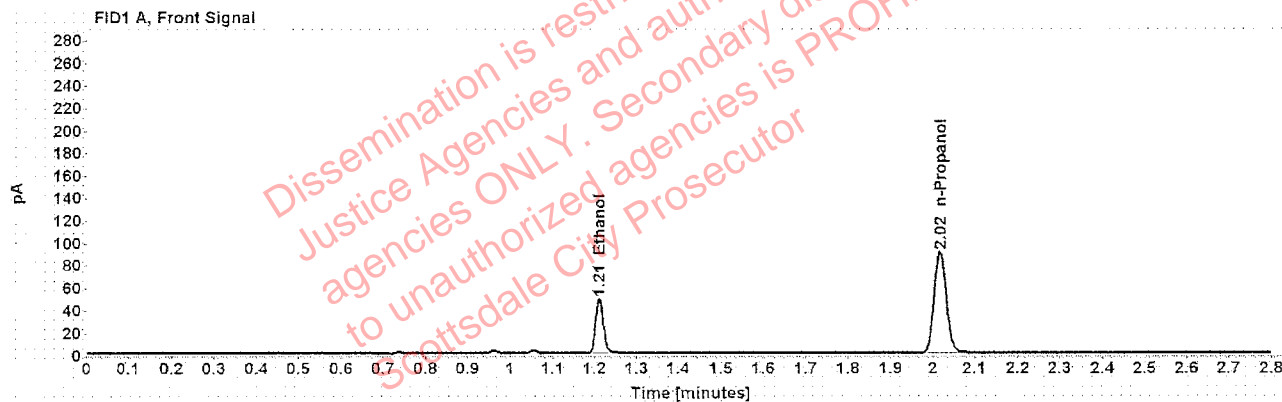


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0960	1.212	61.987
n-Propanol	-----	2.017	179.454

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

Compound	Time (min)	Peak Area
Ethanol	1.377	74.779
n-Propanol	2.470	213.441

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314396	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:50:35 PM
Data file:	C:\Chem3211\Data\03Apr20\37.D	Analyst:	Canonico

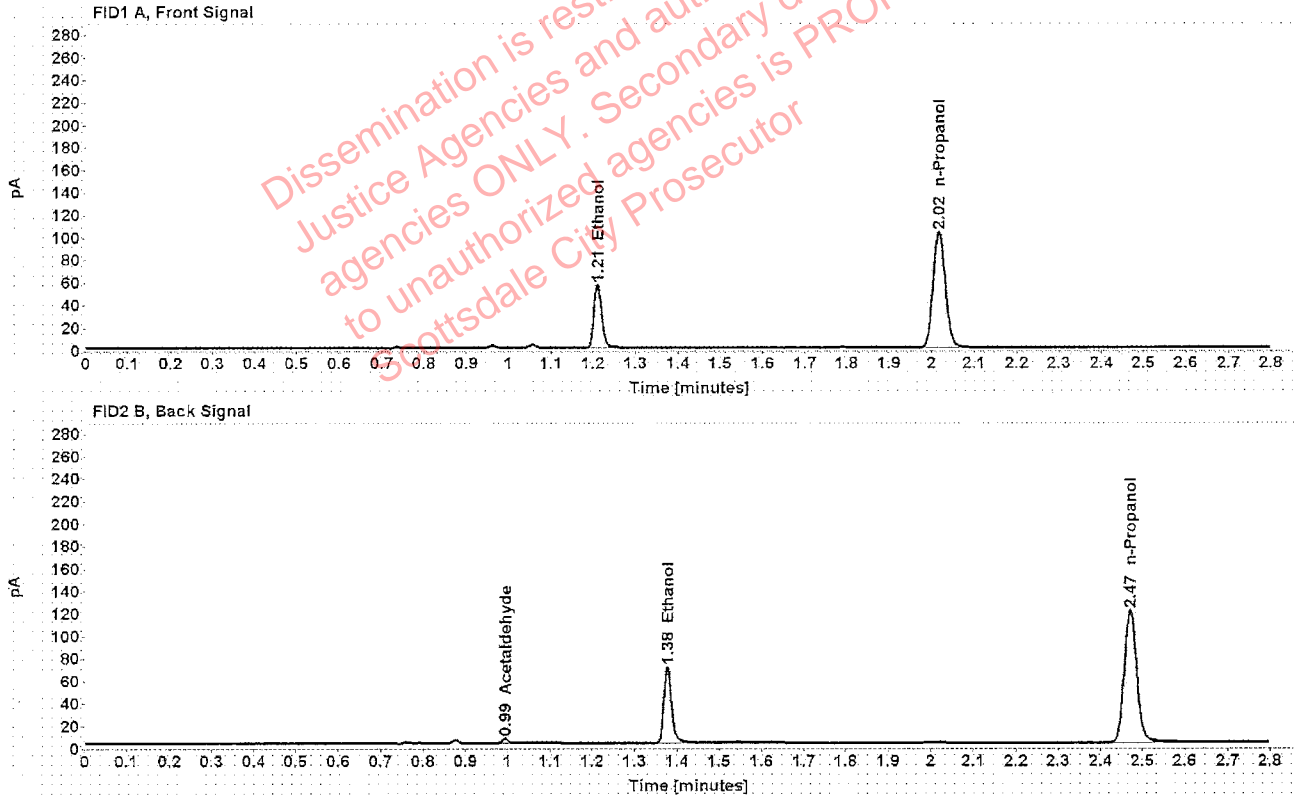


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0982	1.211	72.609
n-Propanol	-----	2.017	205.342

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.810
Ethanol	1.377	87.089
n-Propanol	2.470	245.437

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313448	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:54:35 PM
Data file:	C:\Chem32\1\Data\03Apr20\38.D	Analyst:	Canonico

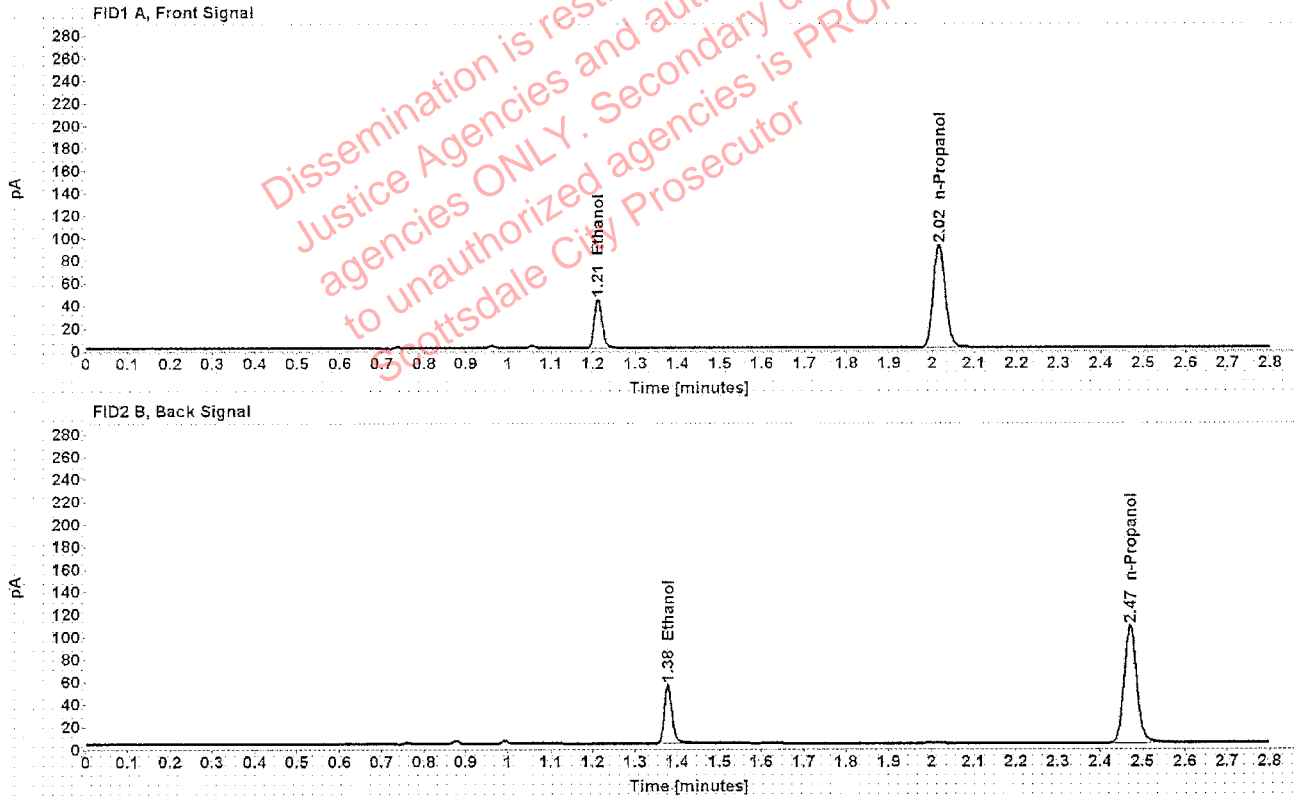


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0856	1.212	55.838
n-Propanol	-----	2.017	182.209

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

Compound	Time (min)	Peak Area
Ethanol	1.377	67.013
n-Propanol	2.470	216.743

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313448	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 3:58:35 PM
Data file:	C:\Chem32\11\Data\03Apr20\39.D	Analyst:	Canonico

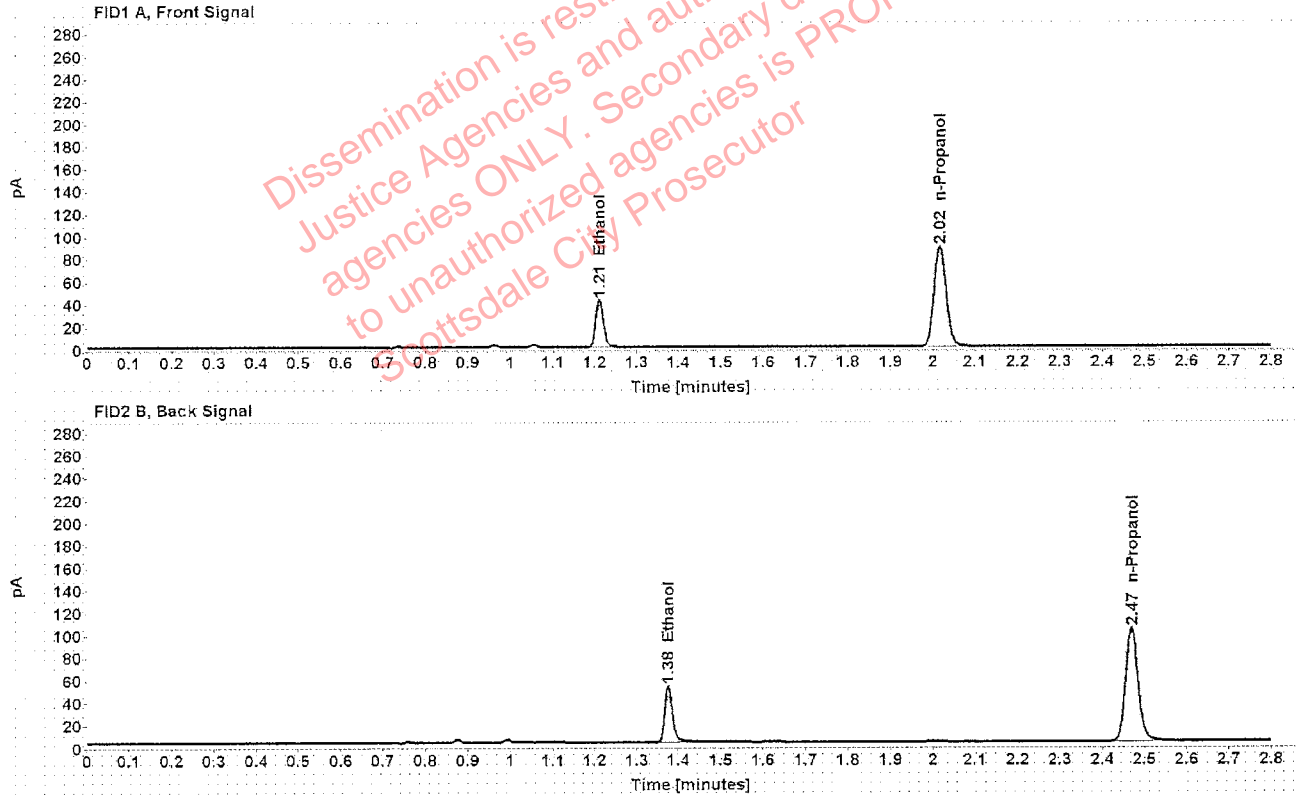


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0848	1.211	53.517
n-Propanol	-----	2.016	176.341

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

Compound	Time (min)	Peak Area
Ethanol	1.376	64.307
n-Propanol	2.469	209.664

Case: [REDACTED] User: ecanonico 4/6/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314167	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 4:02:35 PM
Data file:	C:\Chem32\1\Data\03Apr20\40.D	Analyst:	Canonico

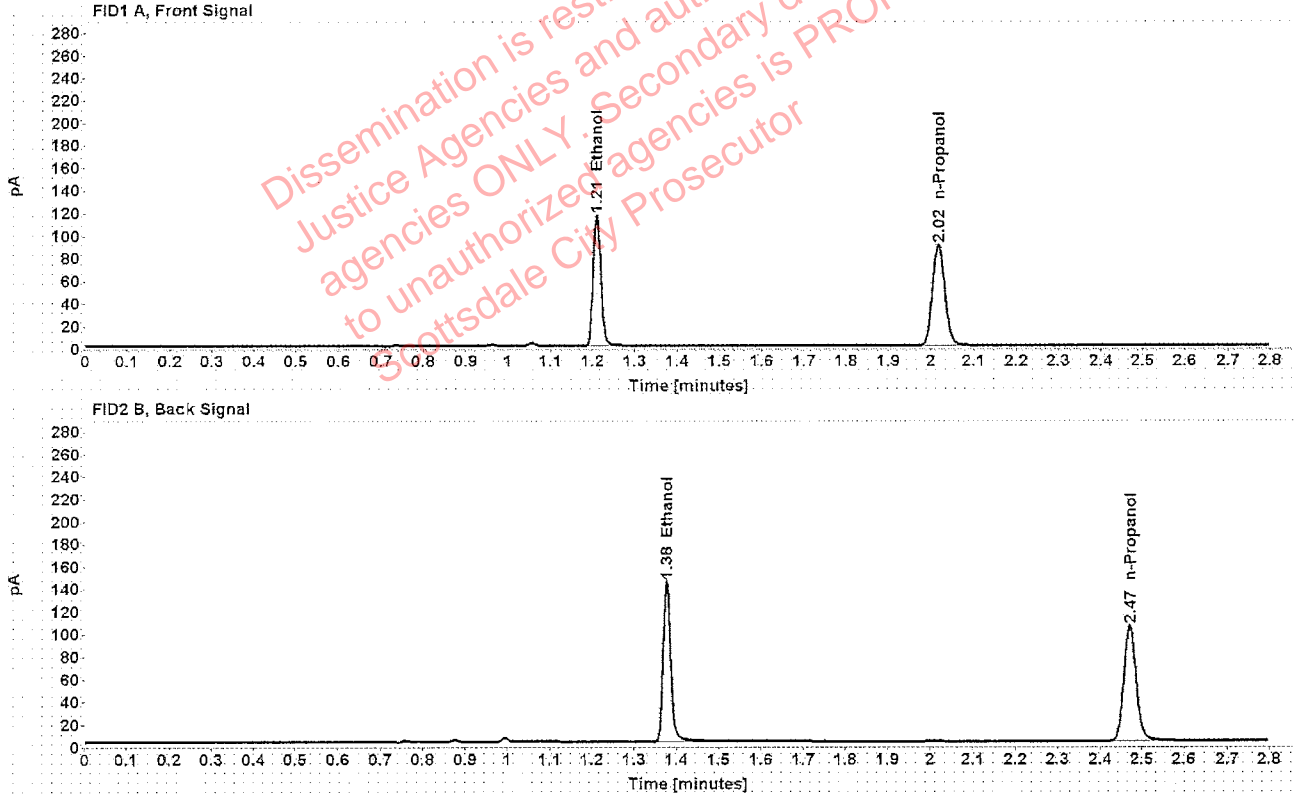


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2259	1.211	148.976
n-Propanol	-----	2.017	178.994

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

Compound	Time (min)	Peak Area
Ethanol	1.377	181.216
n-Propanol	2.471	211.801

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314167	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	03Apr20
Instrument:	US14173023 CN14160045	Injection date:	4/3/2020 4:06:35 PM
Data file:	C:\Chem32\1\Data\03Apr20\41.D	Analyst:	Canonico

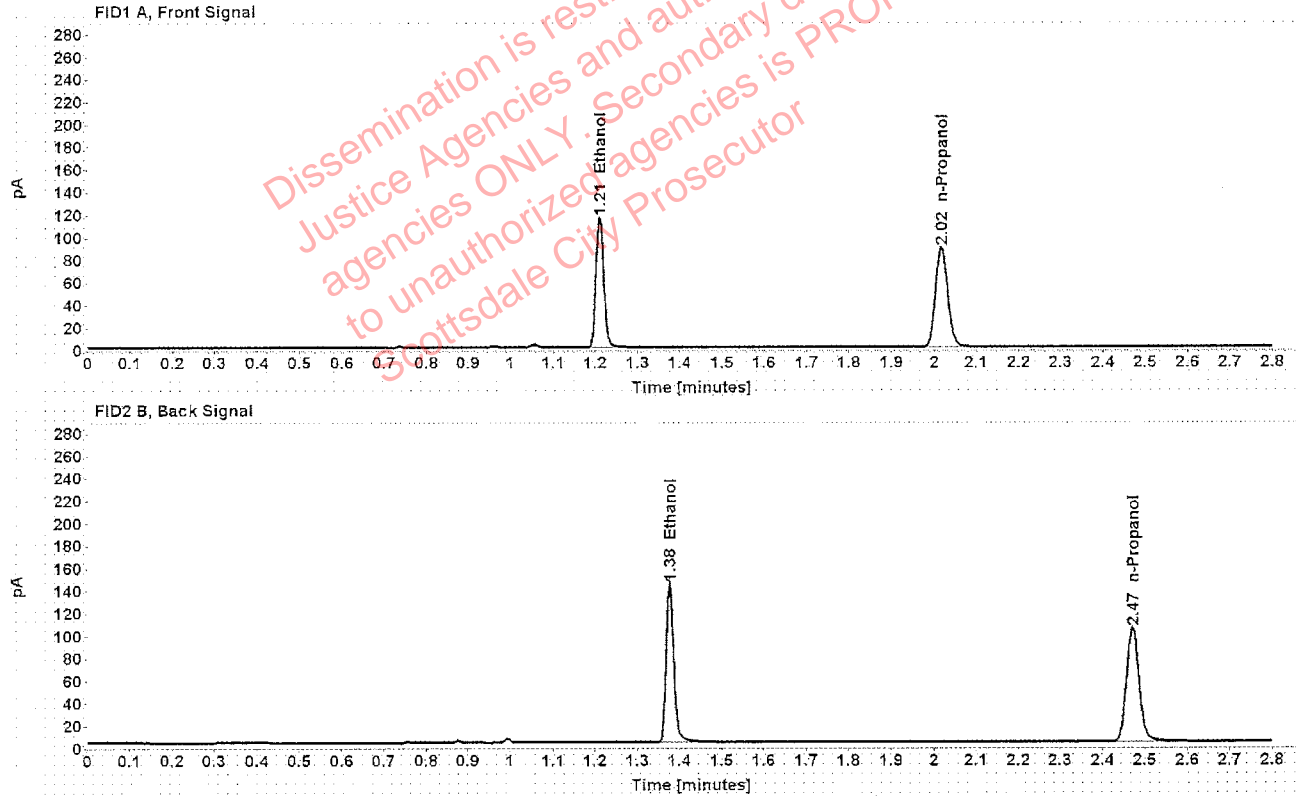


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2264	1.211	147.732
n-Propanol	-----	2.017	177.115

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

Compound	Time (min)	Peak Area
Ethanol	1.377	180.270
n-Propanol	2.471	211.595