

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 06/19/2020 SEQUENCE NAME 19Jun20

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 040720AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.400 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	0.080 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.203 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 Canonicas Analyst
 Run valid Run invalid [Signature] Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

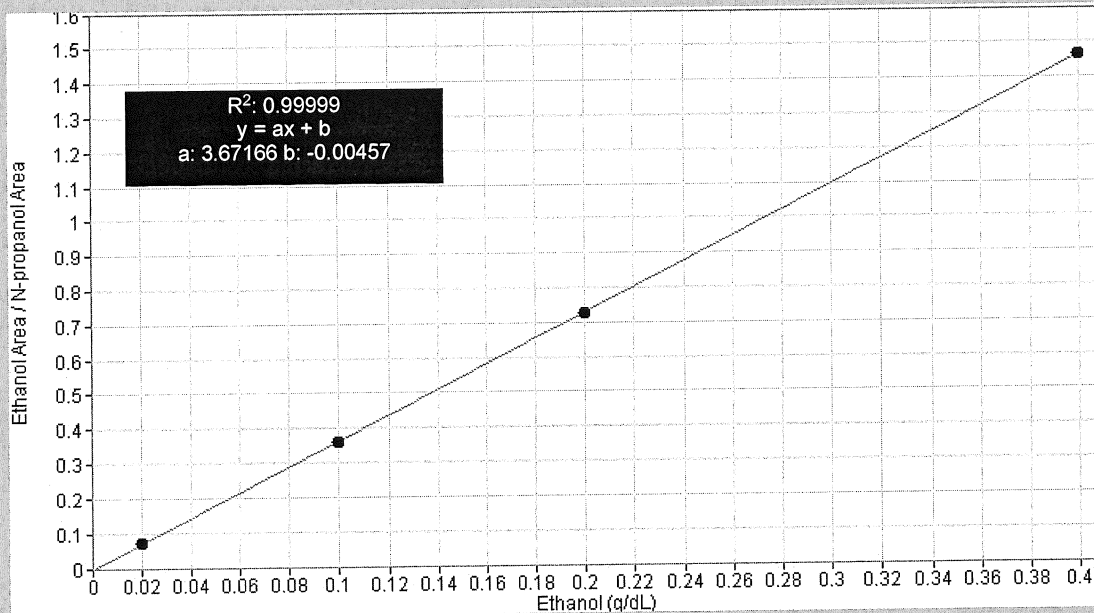
SEQUENCE NAME: 19Jun20

ANALYST: Canonico ee

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 040720AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.400	0.400	0.00	0.000
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	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.400	0.400	0.00	0.000
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.198 407041529/13	44	0.203	0.198	2.53	0.005
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.769	165.555	0.071
0.100	60.009	166.535	0.360
0.200	122.102	167.512	0.729
0.400	243.862	166.462	1.465

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 19Jun20
Method: ethanol quant.M	Injection date: 6/19/2020 12:07:08 PM
Instrument: US14173023 CN14160045	Analyst: Canonico <i>ee</i>
Data file: C:\Chem32\1\Data\19Jun20\1.D	

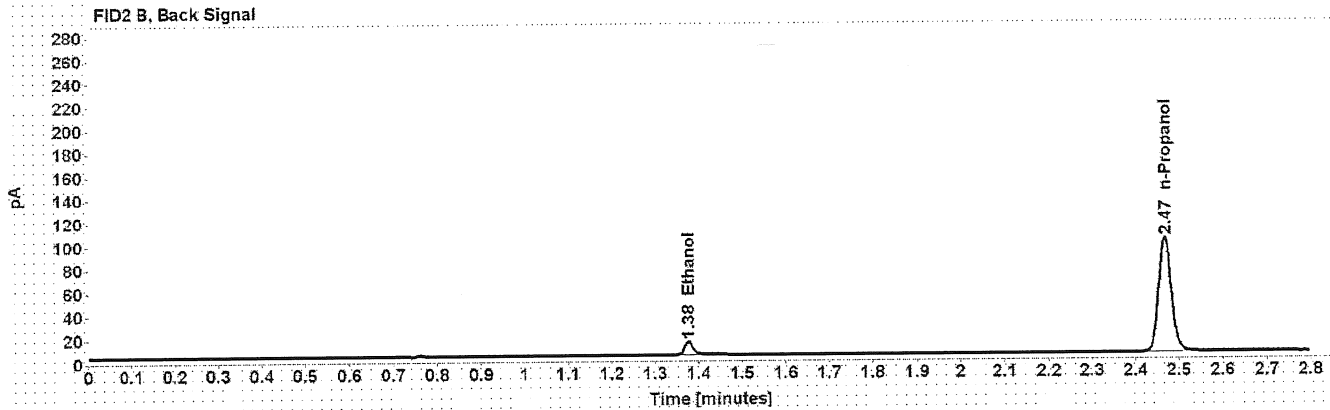
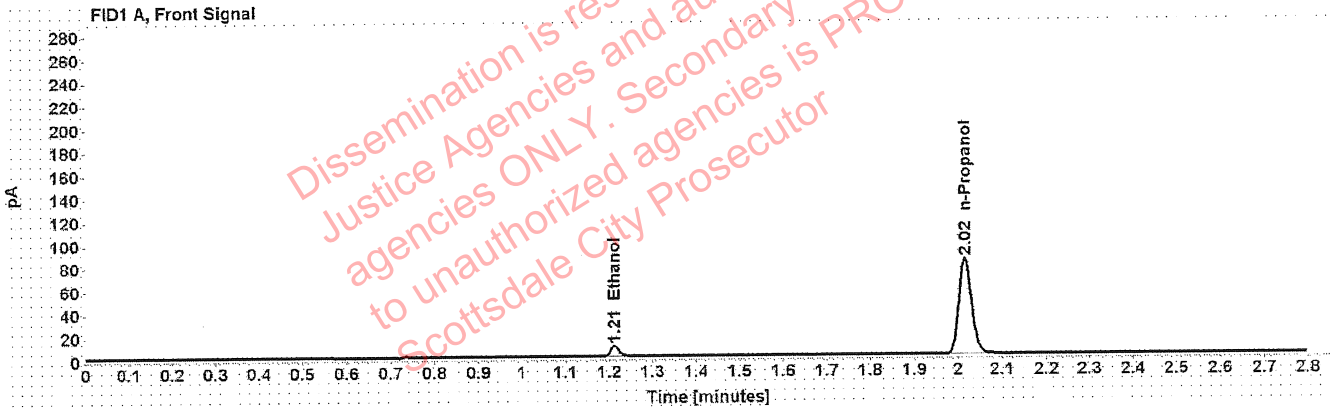


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.769
n-Propanol	2.016	165.555

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.572
n-Propanol	2.468	200.514

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 19Jun20
Method: ethanol quant.M	Injection date: 6/19/2020 12:11:08 PM
Instrument: US14173023 CN14160045	Analyst: Canonico <i>ee</i>
Data file: C:\Chem32\1\Data\19Jun20\2.D	

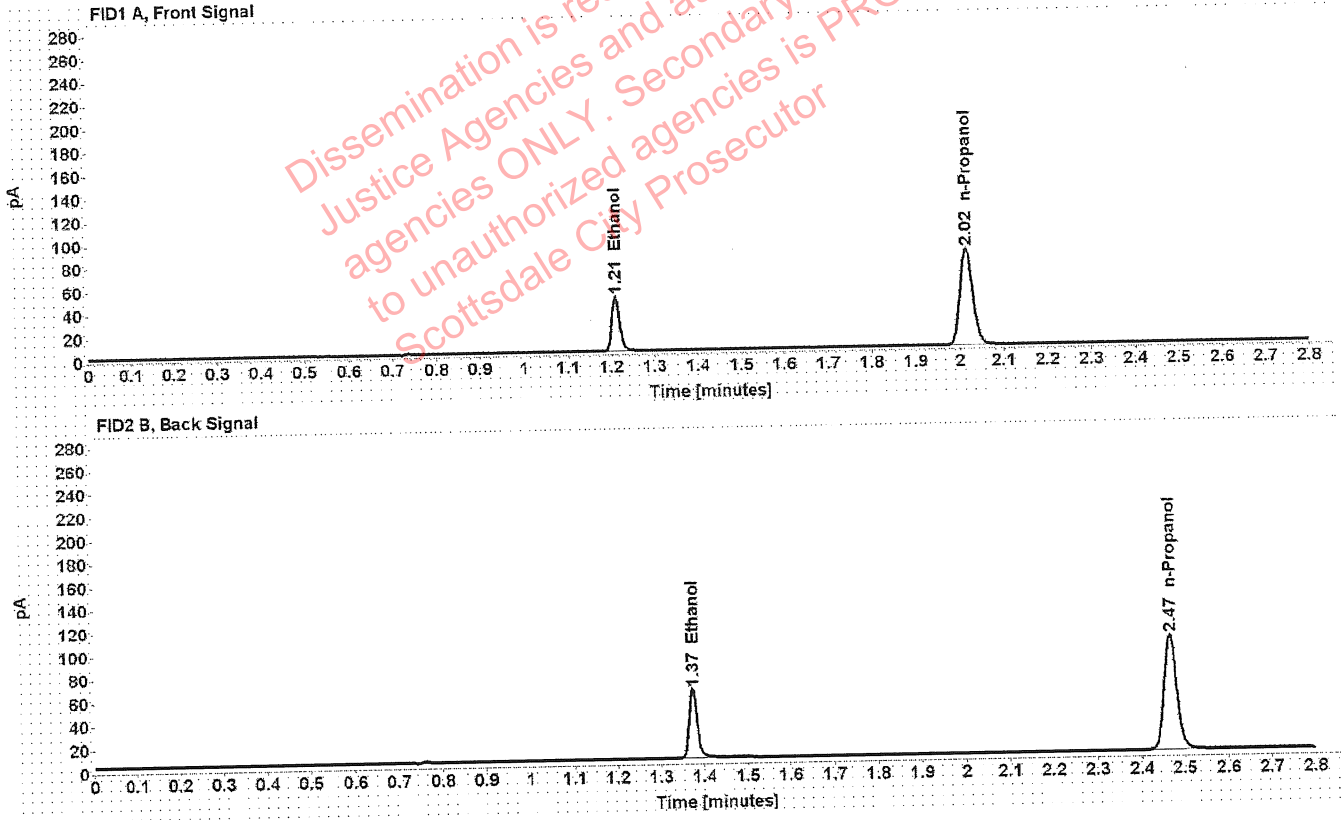


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.009
n-Propanol	2.015	166.535

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

Compound	Time (min)	Peak Area
Ethanol	1.374	74.936
n-Propanol	2.467	202.394

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 19Jun20
Method: ethanol quant.M	Injection date: 6/19/2020 12:15:08 PM
Instrument: US14173023 CN14160045	Analyst: Canonico ee
Data file: C:\Chem32\1\Data\19Jun20\3.D	

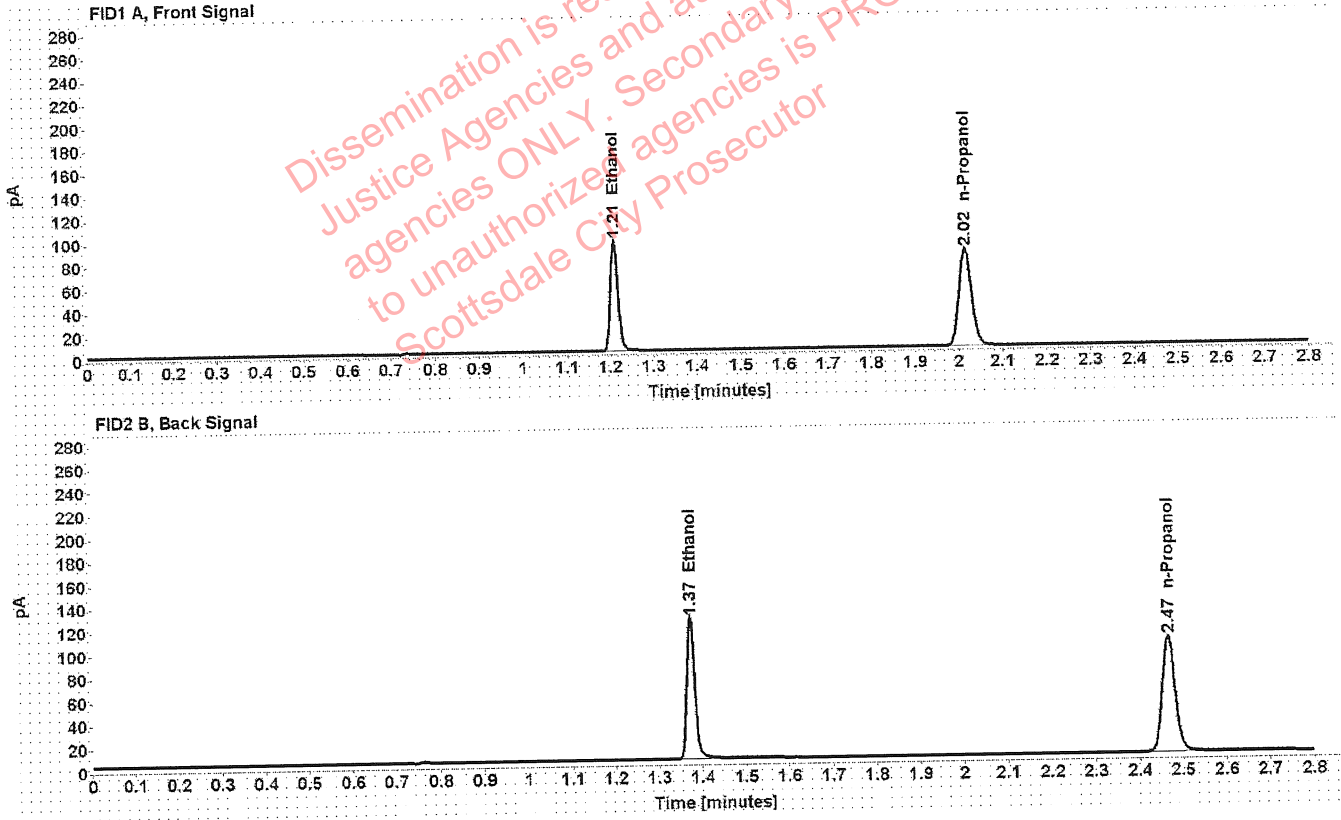


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	122.102
n-Propanol	2.015	167.512

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

Compound	Time (min)	Peak Area
Ethanol	1.373	152.620
n-Propanol	2.467	203.606

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 19Jun20
Method: ethanol quant.M	Injection date: 6/19/2020 12:19:08 PM
Instrument: US14173023 CN14160045	Analyst: Canonico ee
Data file: C:\Chem32\1\Data\19Jun204.D	

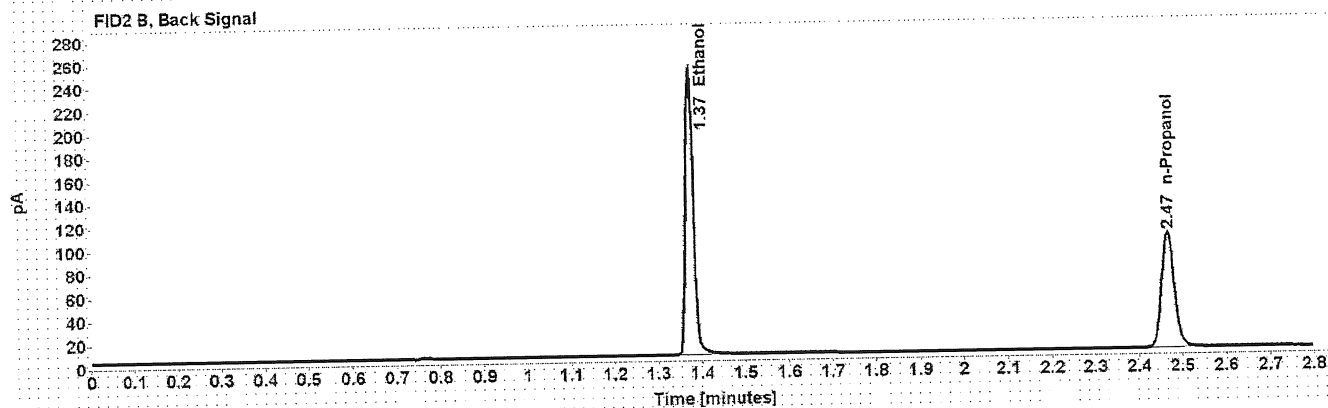
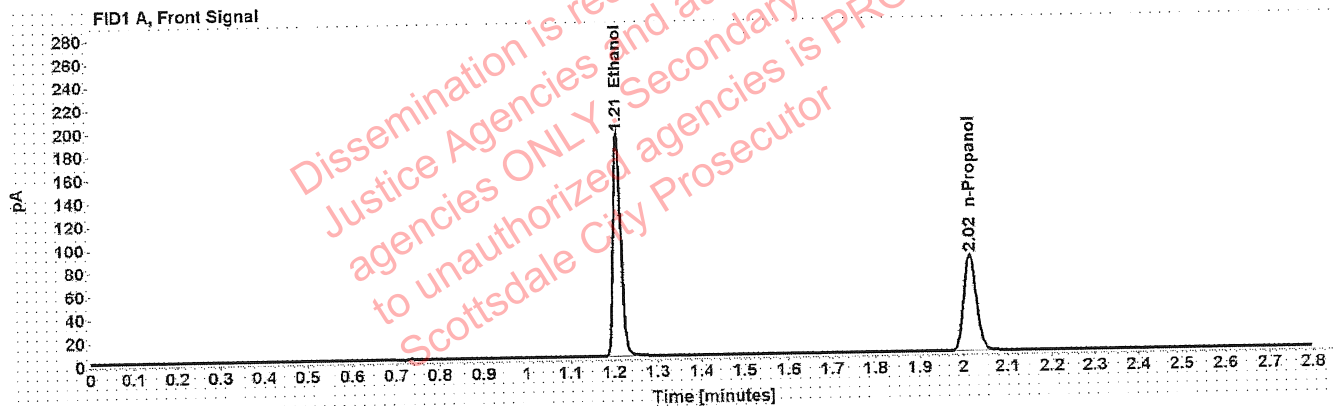


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	243.862
n-Propanol	2.015	166.462

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

Compound	Time (min)	Peak Area
Ethanol	1.373	305.895
n-Propanol	2.467	202.575

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040720AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:23:08 PM
Data file: C:\Chem32\1\Data\19Jun20\5.D	Analyst: Canonico <i>ec</i>

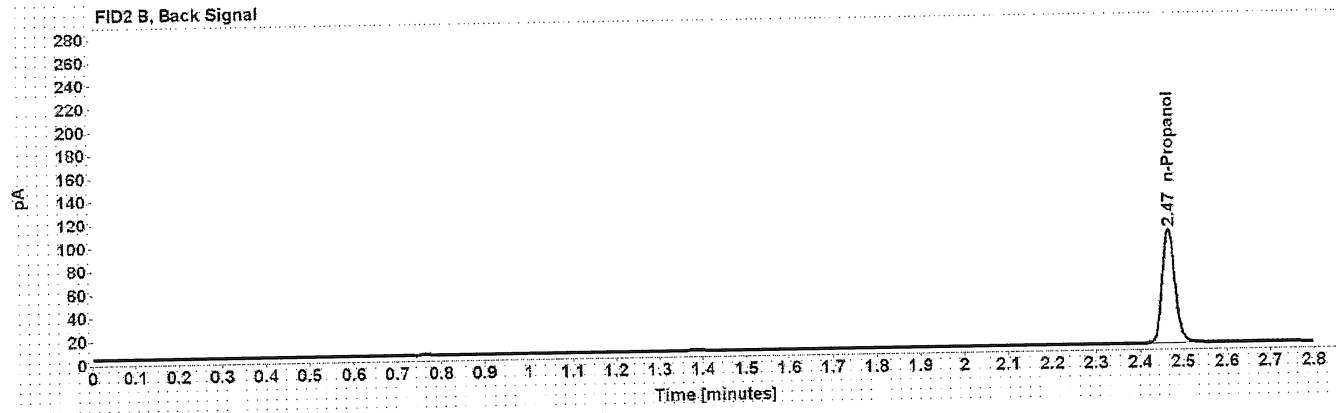
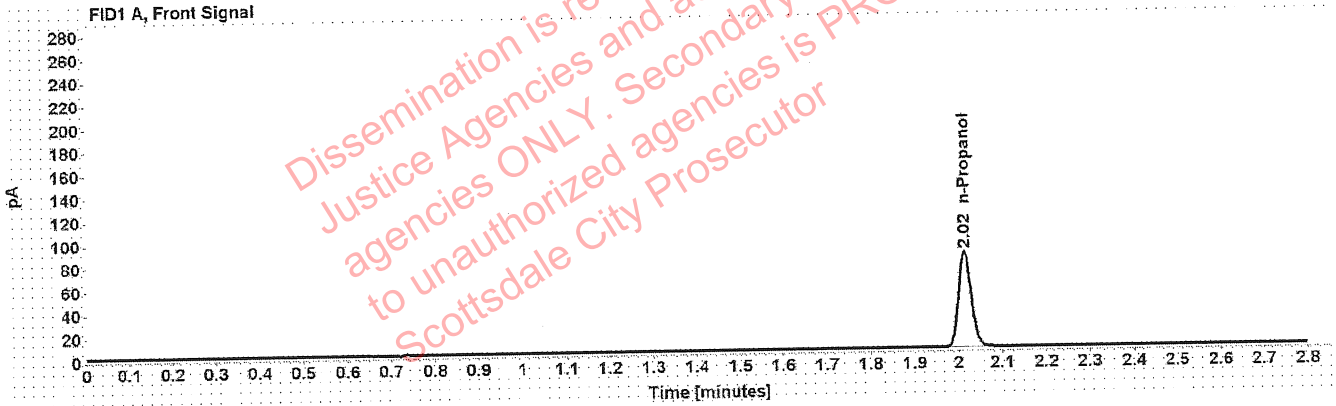


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	165.178

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	200.599

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:27:08 PM
Data file: C:\Chem32\1\Data\19Jun20\6.D	Analyst: Canonico <i>ec</i>

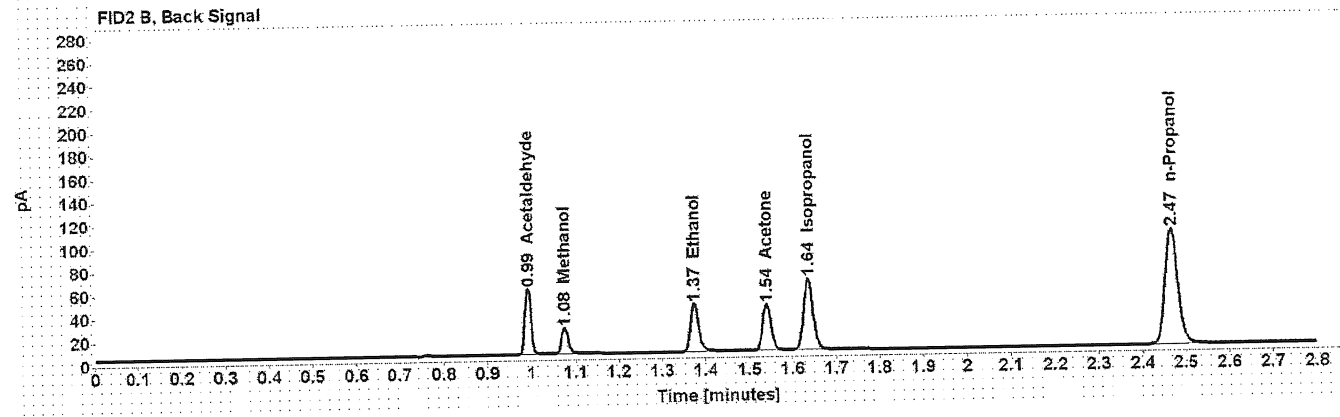
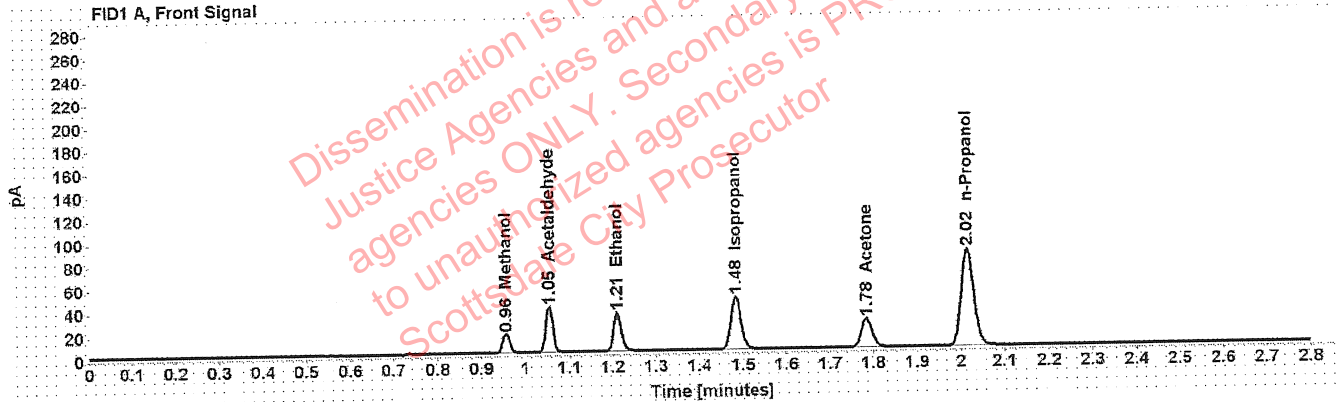


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.675
Acetaldehyde	-----	1.054	42.704
>Ethanol	0.0704	1.210	42.361
Isopropanol	-----	1.483	72.725
Acetone	-----	1.784	42.302
n-Propanol	-----	2.015	166.815

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	55.614
Methanol	1.076	24.200
Ethanol	1.374	52.511
Acetone	1.541	52.696
Isopropanol	1.636	93.419
n-Propanol	2.467	203.098

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:31:23 PM
Data file: C:\Chem32\1\Data\19Jun20\7.D	Analyst: Canonico <i>ee</i>

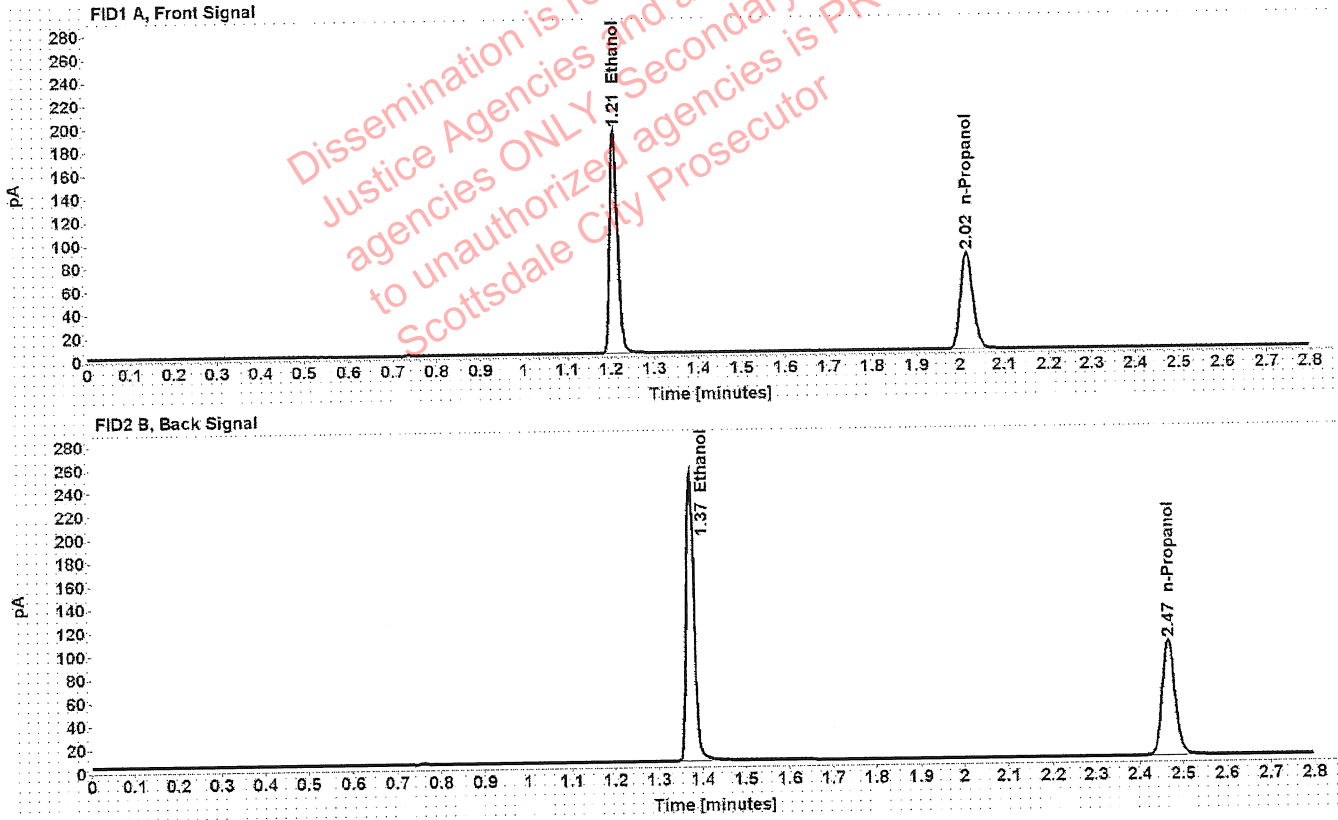


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4008	1.208	245.298
n-Propanol	-----	2.015	167.220

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

Compound	Time (min)	Peak Area
Ethanol	1.373	306.982
n-Propanol	2.467	203.356

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:35:23 PM
Data file: C:\Chem32\1\Data\19Jun20\8.D	Analyst: Canonico <i>ec</i>

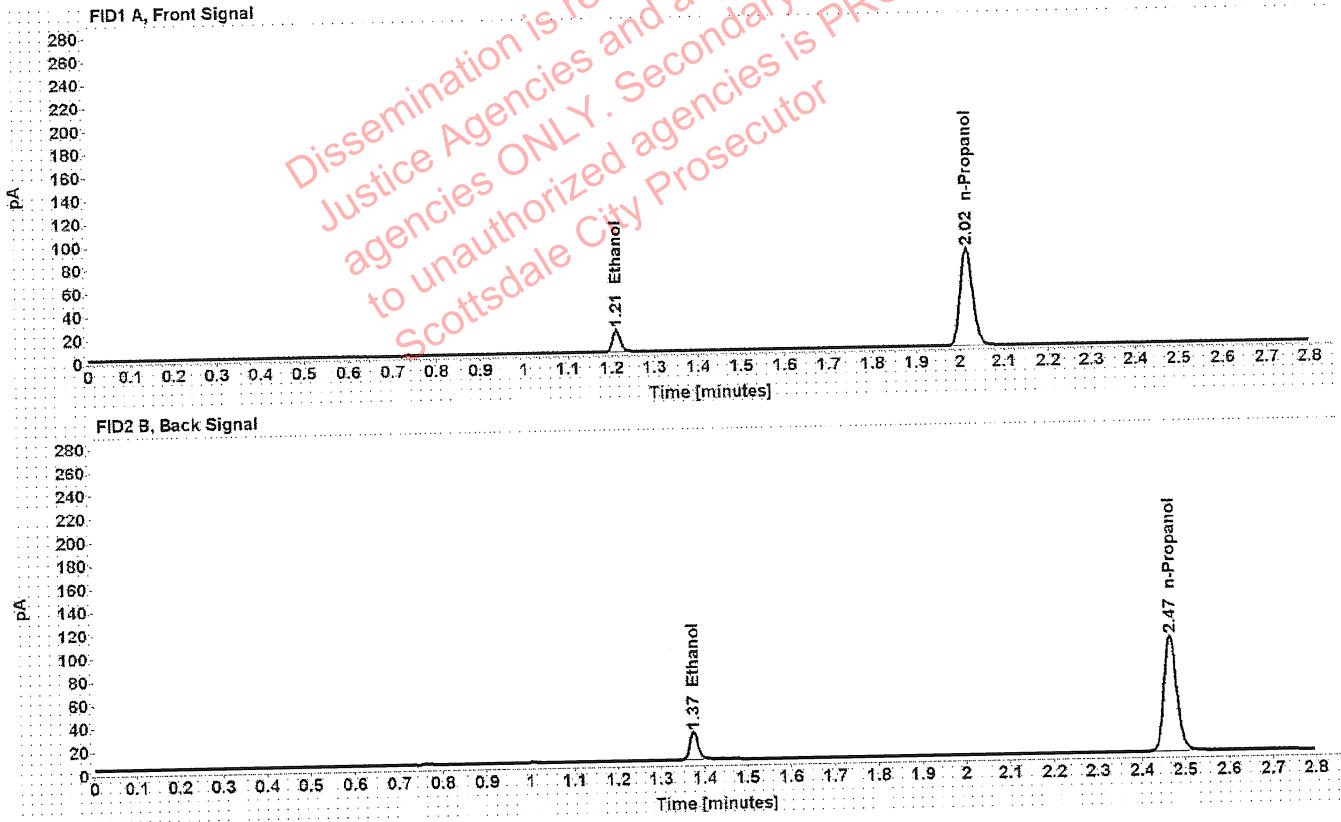


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.211	24.520
n-Propanol	-----	2.015	167.896

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

Compound	Time (min)	Peak Area
Ethanol	1.375	30.382
n-Propanol	2.467	203.871

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:39:23 PM
Data file: C:\Chem32\1\Data\19Jun20\9.D	Analyst: Canonico <i>ec</i>

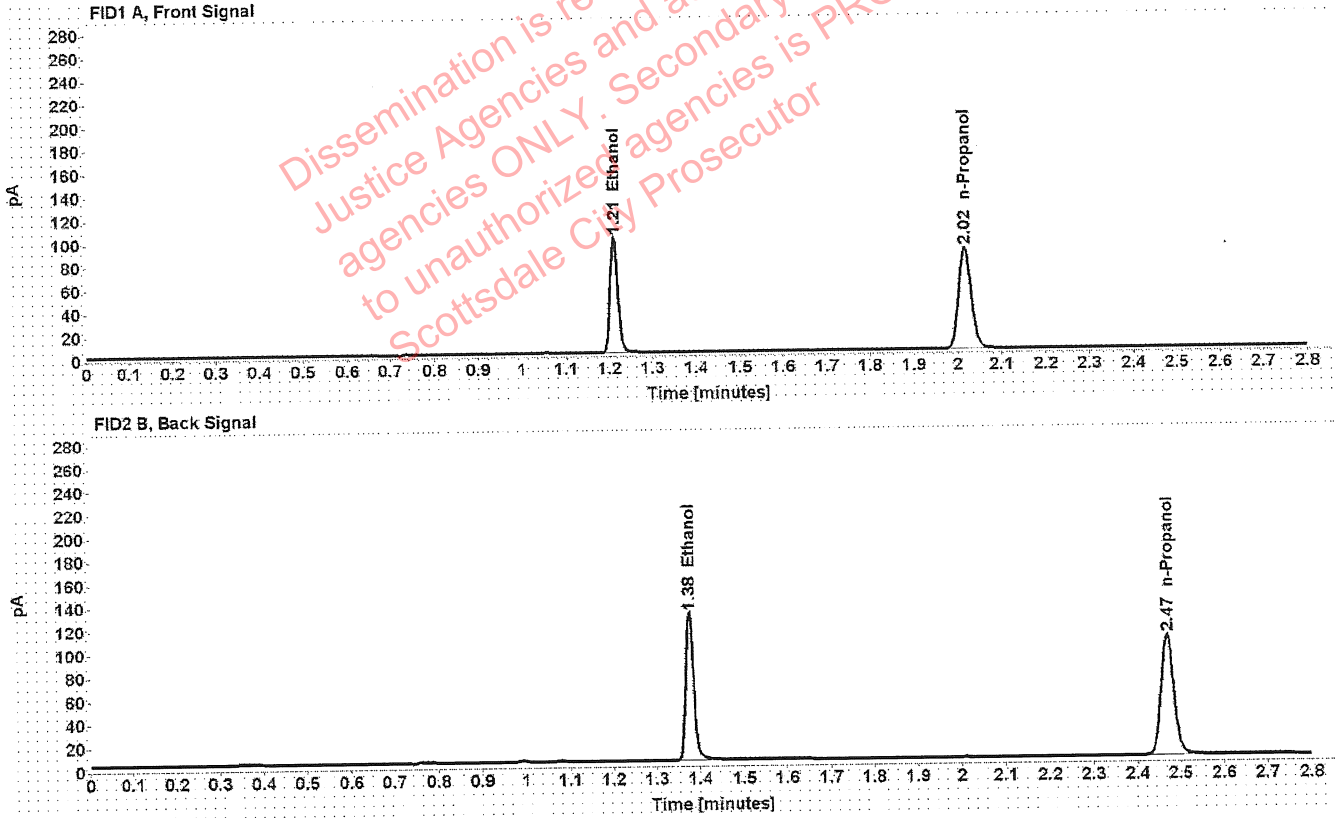


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2009	1.211	127.901
n-Propanol	-----	2.017	174.433

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

Compound	Time (min)	Peak Area
Ethanol	1.376	159.857
n-Propanol	2.469	211.816

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:23:53 PM
Data file: C:\Chem32\1\Data\19Jun20\20.D	Analyst: Canonico <i>ec</i>

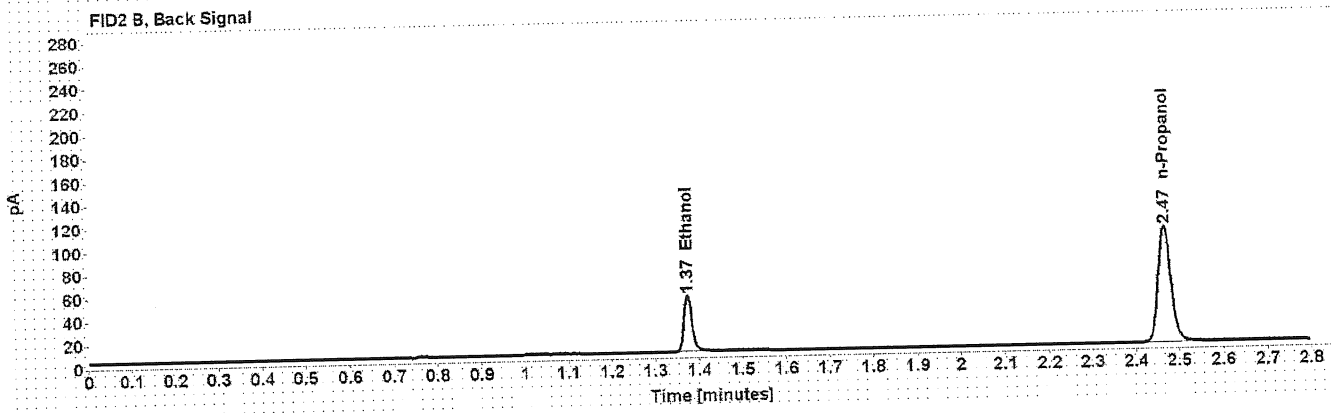
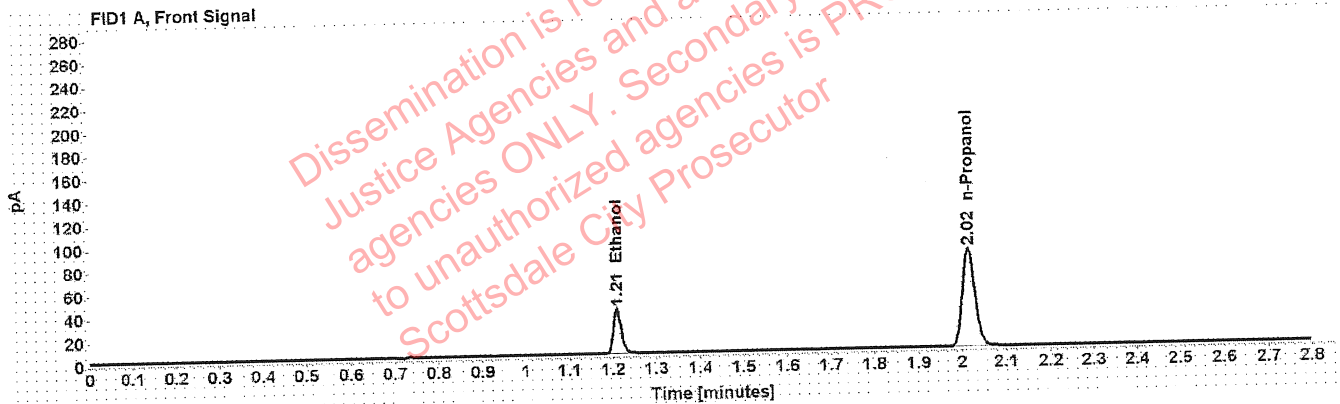


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.210	49.581
n-Propanol	-----	2.015	169.490

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.552
n-Propanol	2.467	205.141

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 2:08:23 PM
Data file: C:\Chem32\1\Data\19Jun20\31.D	Analyst: Canonico <i>ec</i>

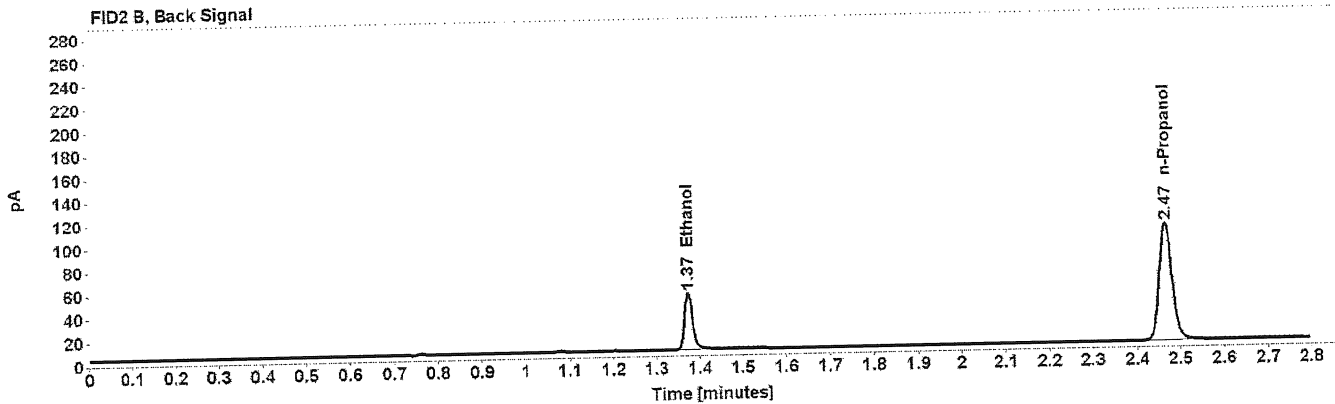
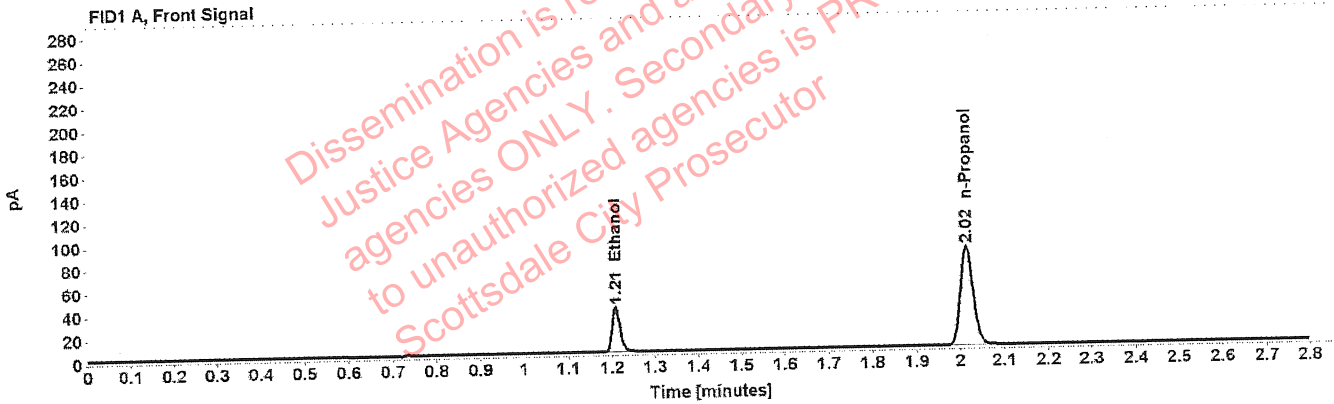


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.210	50.246
n-Propanol	-----	2.015	171.726

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.248
n-Propanol	2.467	207.679

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 2:52:39 PM
Data file: C:\Chem32\1\Data\19Jun20\42.D	Analyst: Canonico <i>ee</i>

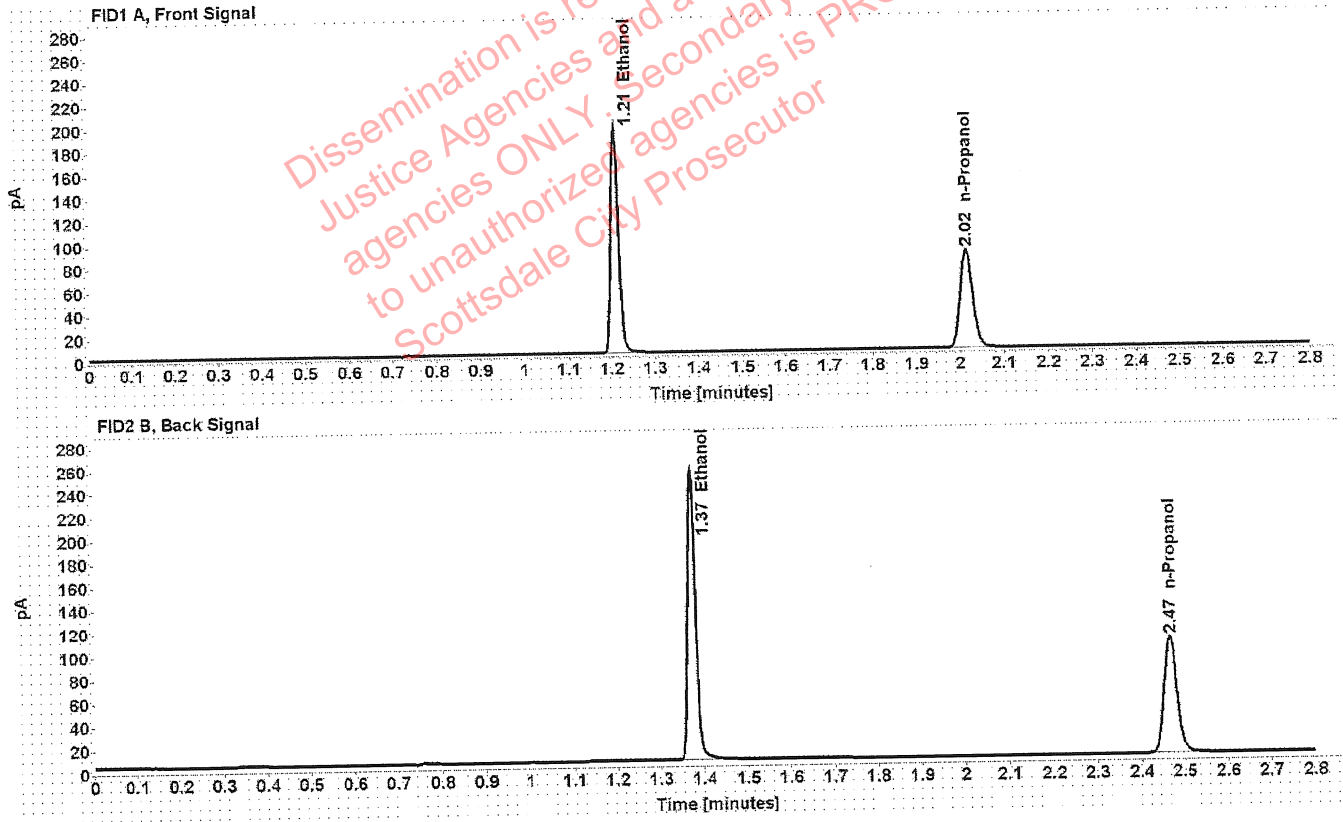


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4009	1.208	248.279
n-Propanol	-----	2.015	169.205

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

Compound	Time (min)	Peak Area
Ethanol	1.373	310.848
n-Propanol	2.467	205.315

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 2:56:53 PM
Data file: C:\Chem32\1\Data\19Jun20\43.D	Analyst: Canonico <i>EC</i>

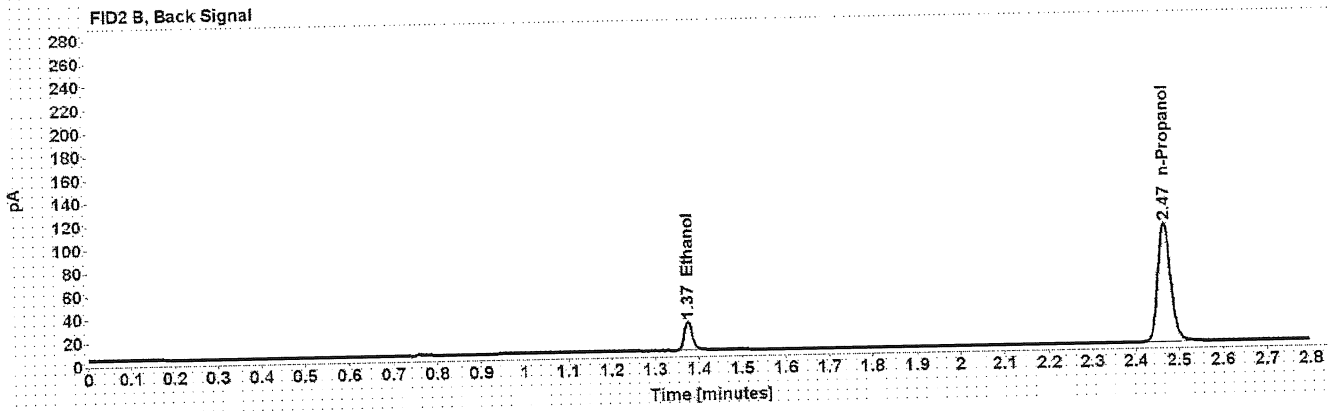
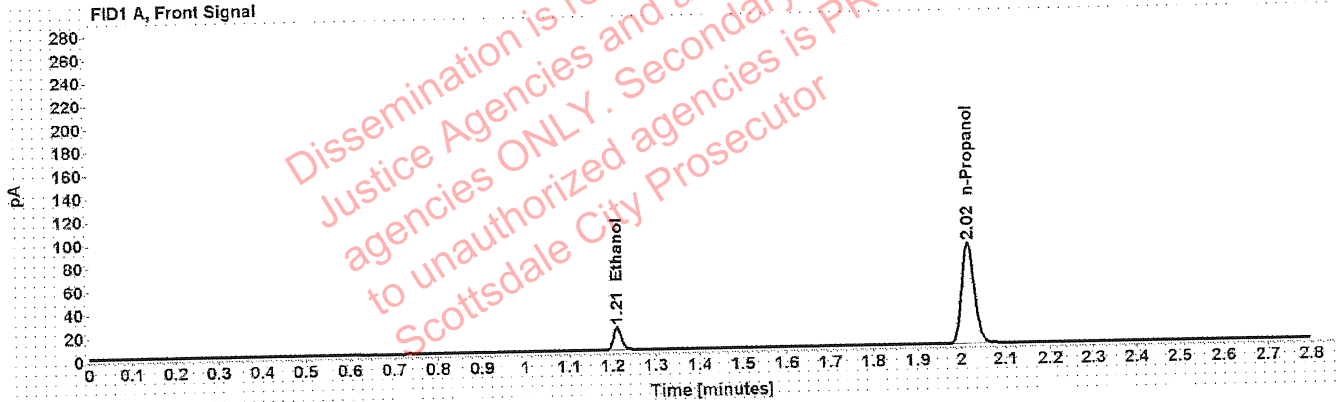


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.211	25.353
n-Propanol	-----	2.015	173.830

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

Compound	Time (min)	Peak Area
Ethanol	1.375	31.452
n-Propanol	2.467	210.194

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 3:00:54 PM
Data file: C:\Chem32\1\Data\19Jun20\44.D	Analyst: Canonico <i>ec</i>

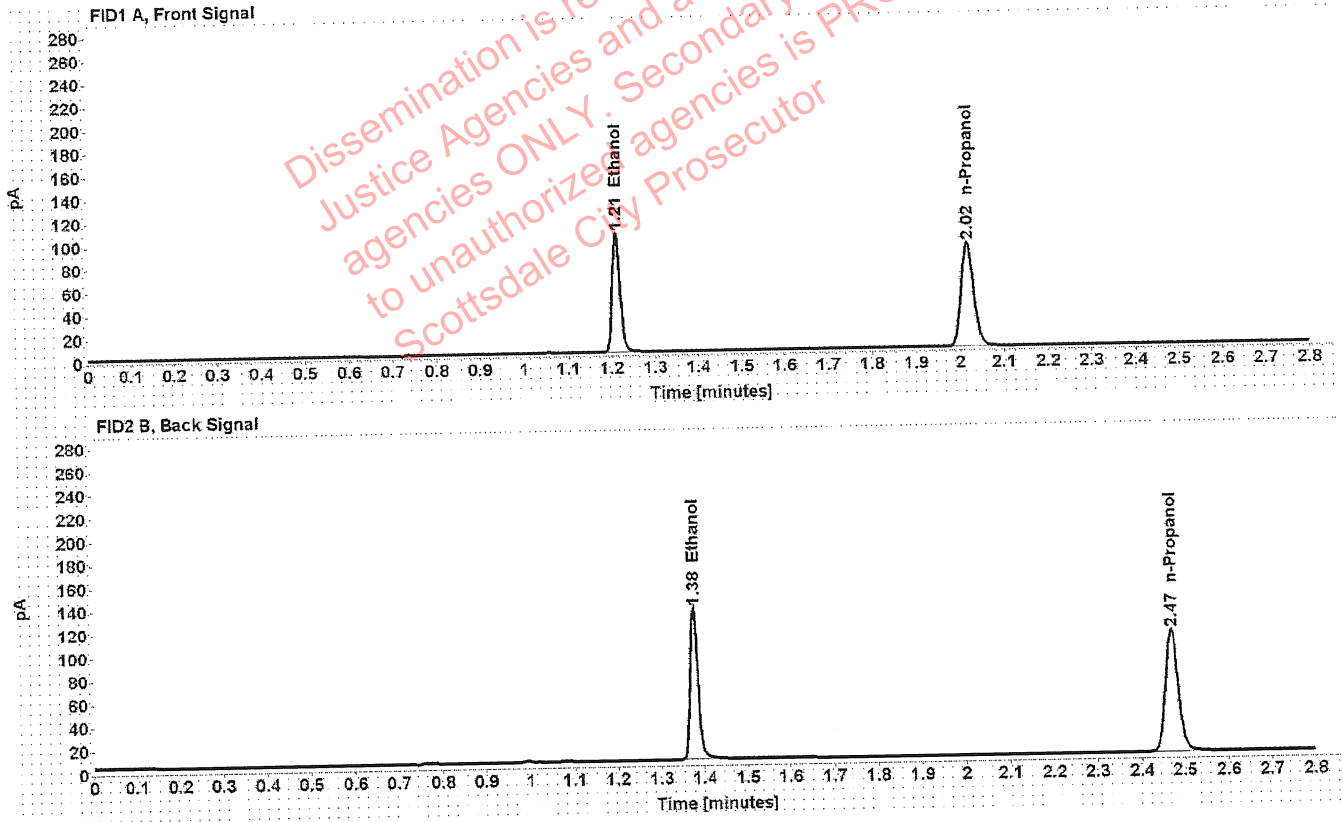


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2030	1.211	132.365
n-Propanol	-----	2.017	178.661

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

Compound	Time (min)	Peak Area
Ethanol	1.376	165.274
n-Propanol	2.470	216.530

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040919WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 3:04:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\45.D	Analyst:	Canonico <i>ec</i>

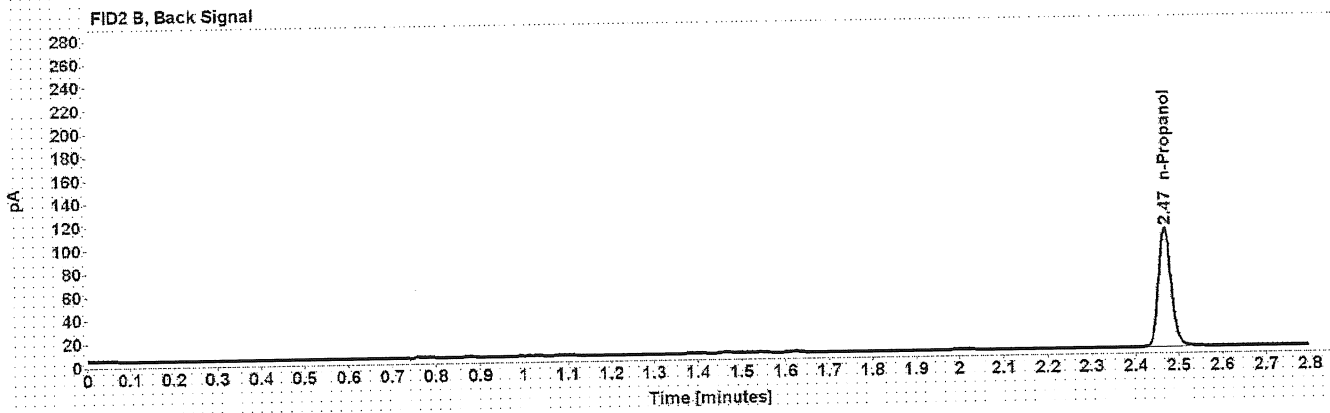


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	172.900

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	209.771

Sequence Summary

Sequence name: 19Jun20 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	040720AQ	Negative	Control		ethanol quant.M
6	070819MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1322043		Sample		ethanol quant.M
11	1322043		Sample		ethanol quant.M
12	1322003		Sample		ethanol quant.M
13	1322003		Sample		ethanol quant.M
14	1322682		Sample		ethanol quant.M
15	1322682		Sample		ethanol quant.M
16	1324898		Sample		ethanol quant.M
17	1324898		Sample		ethanol quant.M
18	1325100		Sample		ethanol quant.M
19	1325100		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1325008		Sample		ethanol quant.M
22	1325008		Sample		ethanol quant.M
23	1322897		Sample		ethanol quant.M
24	1322897		Sample		ethanol quant.M
25	1320683		Sample		ethanol quant.M
26	1320683		Sample		ethanol quant.M
27	1325108		Sample		ethanol quant.M
28	1325108		Sample		ethanol quant.M
29	1324437		Sample		ethanol quant.M
30	1324437		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1325973		Sample		ethanol quant.M
33	1325973		Sample		ethanol quant.M
34	1323791		Sample		ethanol quant.M
35	1323791		Sample		ethanol quant.M
36	1323367		Sample		ethanol quant.M
37	1323367		Sample		ethanol quant.M
38	1288727		Sample		ethanol quant.M
39	1288727		Sample		ethanol quant.M
40	1325970		Sample		ethanol quant.M
41	1325970		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

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 19Jun20

ANALYST: Canonico

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2502	0.2480	0.24910	0.44	0.00110
12 13	0.1849	0.1861	0.18550	0.32	0.00060
14 15	0.3401	0.3395	0.33980	0.09	0.00030
16 17	0.1360	0.1362	0.13610	0.07	0.00010
18 19	0.2413	0.2428	0.24205	0.31	0.00075
21 22	0.2070	0.2095	0.20825	0.60	0.00125
23 24	0.1750	0.1753	0.17515	0.09	0.00015
25 26	0.1173	0.1183	0.11780	0.42	0.00050
27 28	0.1876	0.1862	0.18690	0.37	0.00070
29 30	0.2602	0.2585	0.25935	0.33	0.00085
32 33	0.1425	0.1416	0.14205	0.32	0.00045
34 35	0.1801	0.1786	0.17935	0.42	0.00075
36 37	0.2263	0.2259	0.22610	0.09	0.00020
38 39	0.1677	0.1672	0.16745	0.15	0.00025
40 41	0.1597	0.1594	0.15955	0.09	0.00015

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322043	Vial:	10
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:43:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\10.D	Analyst:	Canonico

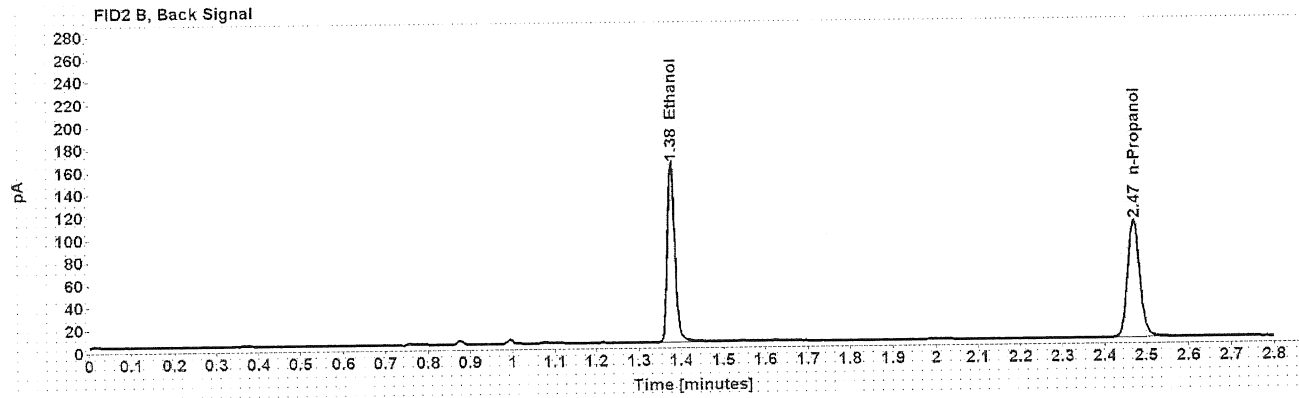
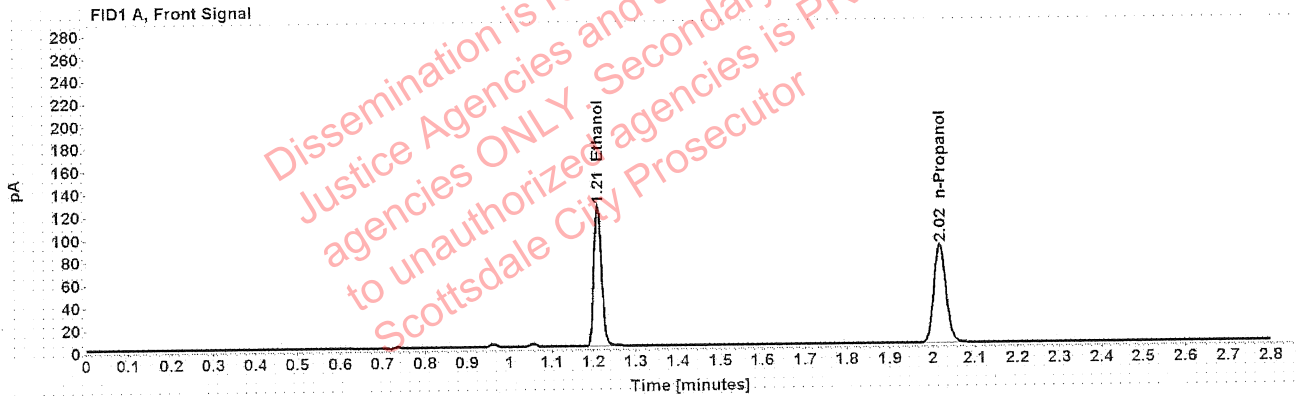


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2502	1.211	159.483
n-Propanol	-----	2.017	174.489

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

Compound	Time (min)	Peak Area
Ethanol	1.376	200.165
n-Propanol	2.470	211.552

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322043	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:47:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\11.D	Analyst:	Canonico

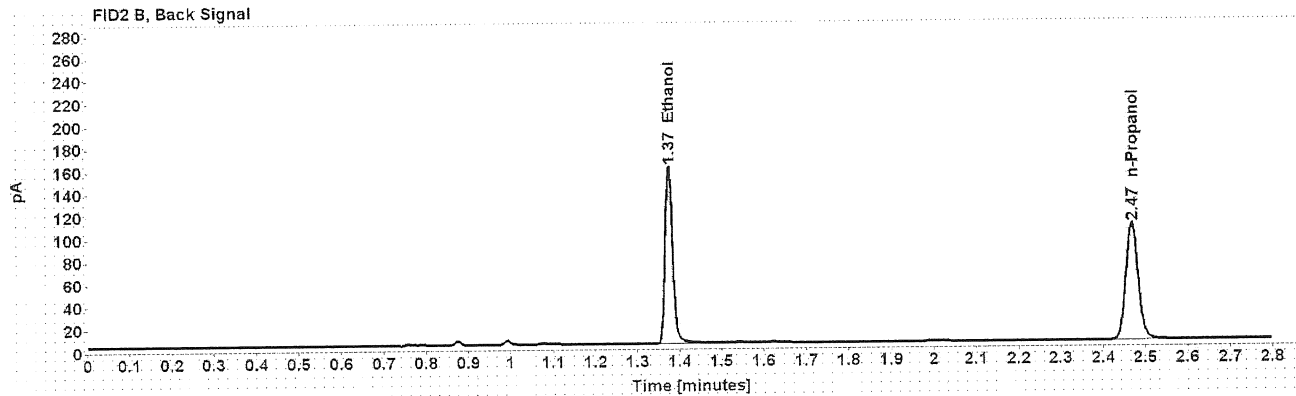
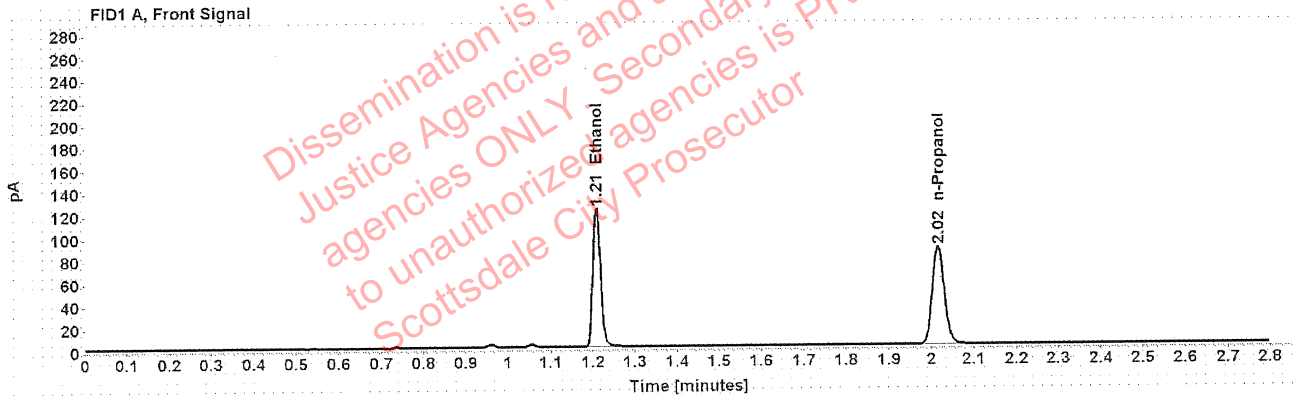


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2480	1.209	157.250
n-Propanol	-----	2.016	173.545

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

Compound	Time (min)	Peak Area
Ethanol	1.374	197.529
n-Propanol	2.468	210.455

[REDACTED] : Canonico, Erika - (22-Jun-2020)

Case: [REDACTED] User: ecanonico 6/22/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322003	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:51:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\12.D	Analyst:	Canonico

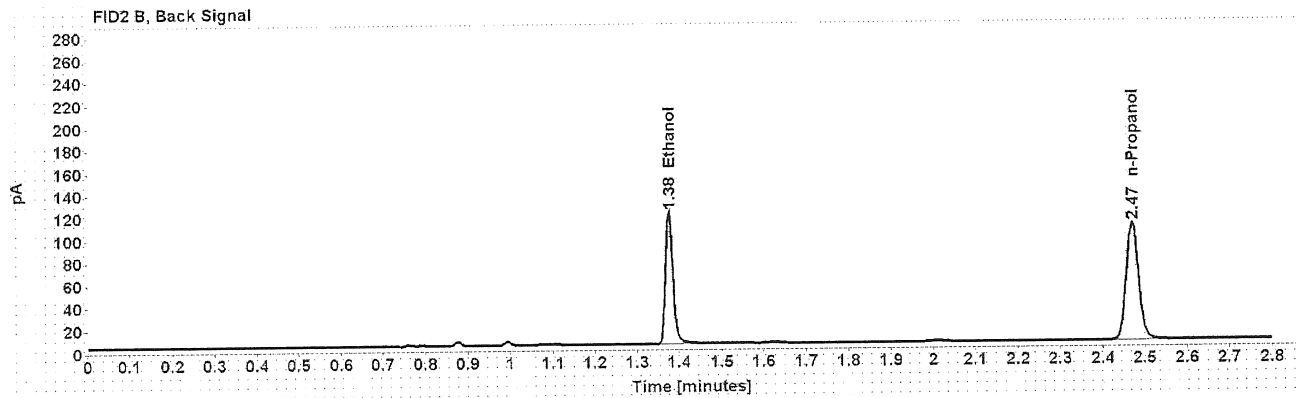
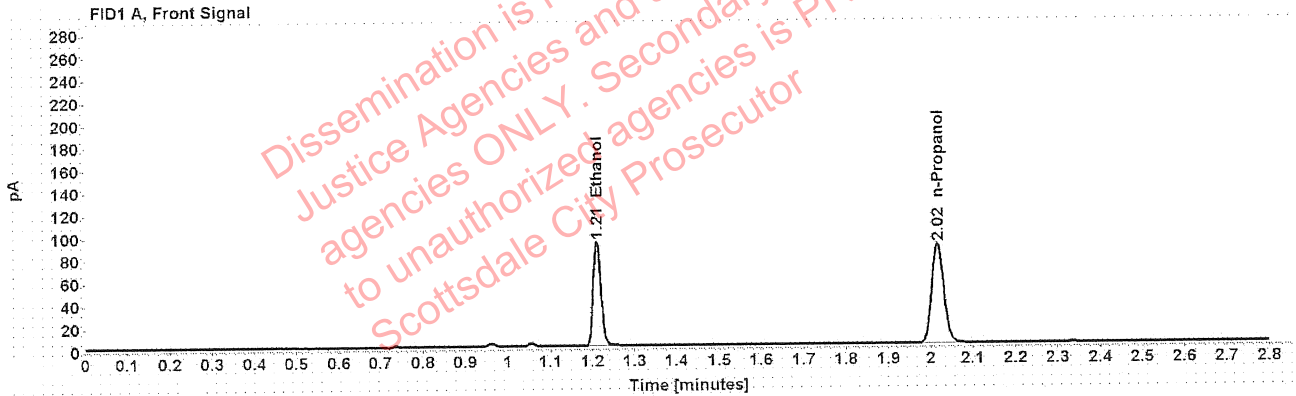


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1849	1.211	118.676
n-Propanol	-----	2.017	176.022

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

Compound	Time (min)	Peak Area
Ethanol	1.376	147.713
n-Propanol	2.470	214.027

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322003	Vial: 13
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 12:55:38 PM
Data file: C:\Chem32\1\Data\19Jun20\13.D	Analyst: Canonico

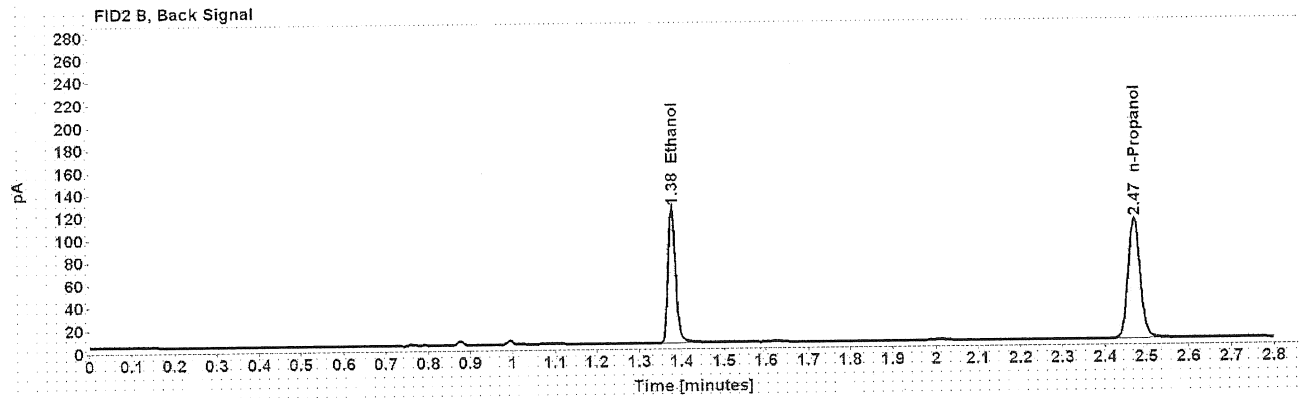
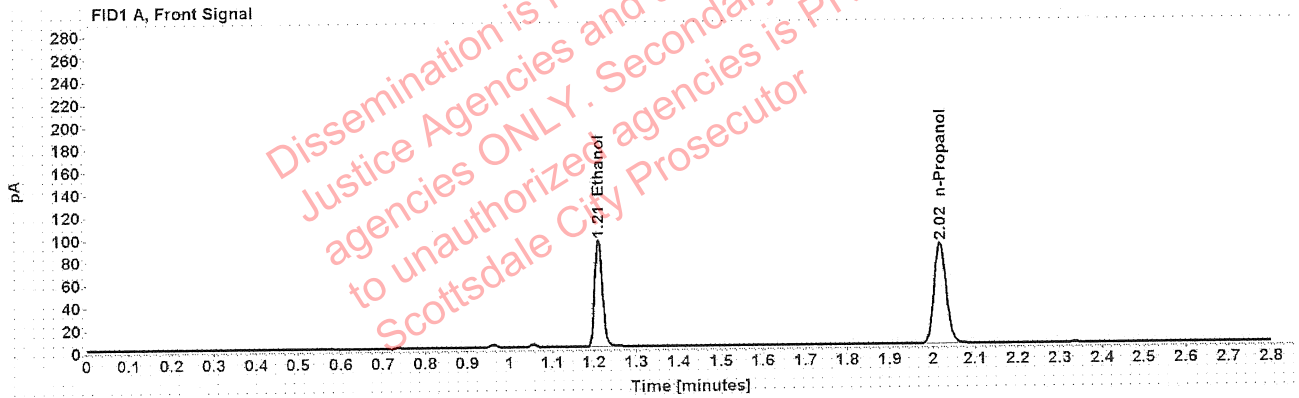


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1861	1.211	121.610
n-Propanol	-----	2.017	179.188

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

Compound	Time (min)	Peak Area
Ethanol	1.376	151.181
n-Propanol	2.470	218.020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322682	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 12:59:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\14.D	Analyst:	Canonico

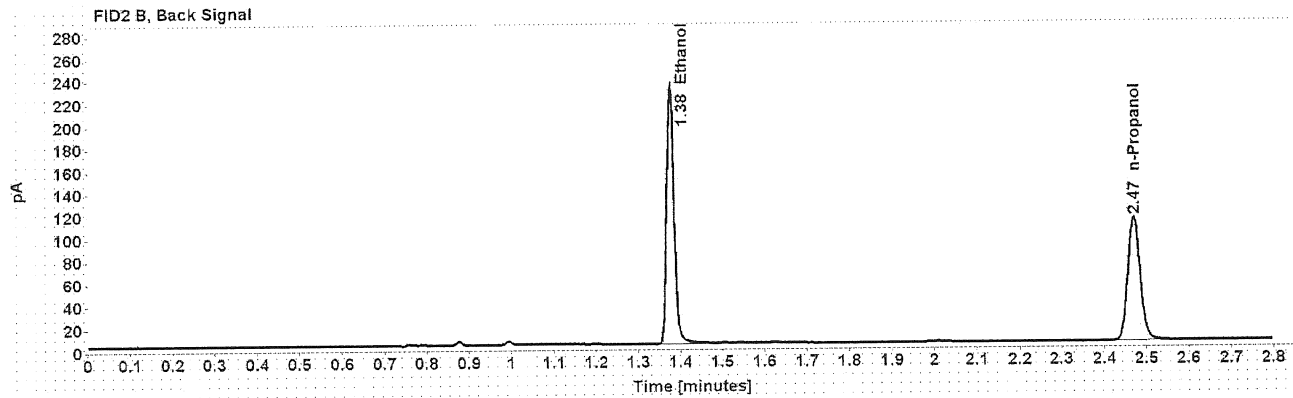
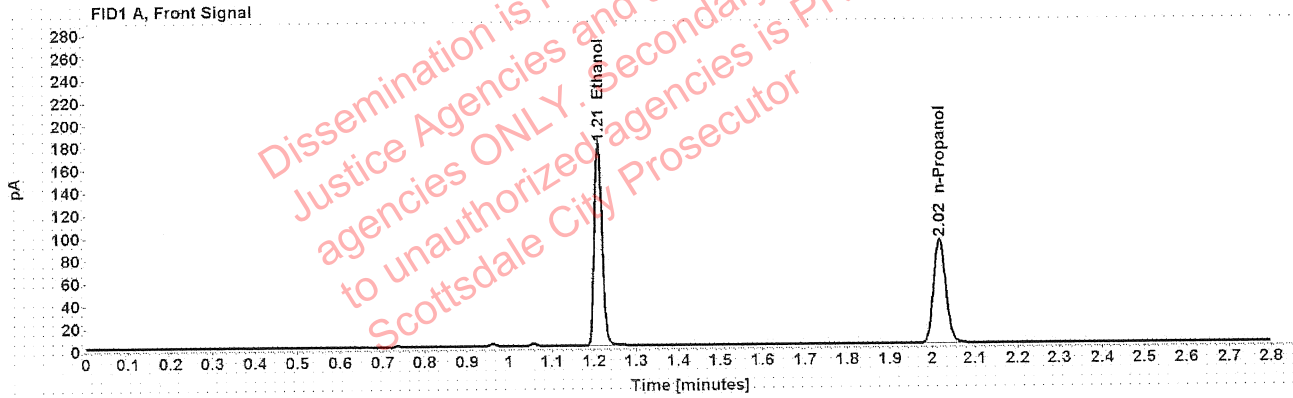


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3401	1.210	228.843
n-Propanol	-----	2.017	183.920

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

Compound	Time (min)	Peak Area
Ethanol	1.376	287.402
n-Propanol	2.470	223.581

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322682	Vial: 15
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:03:39 PM
Data file: C:\Chem32\1\Data\19Jun20\15.D	Analyst: Canonico

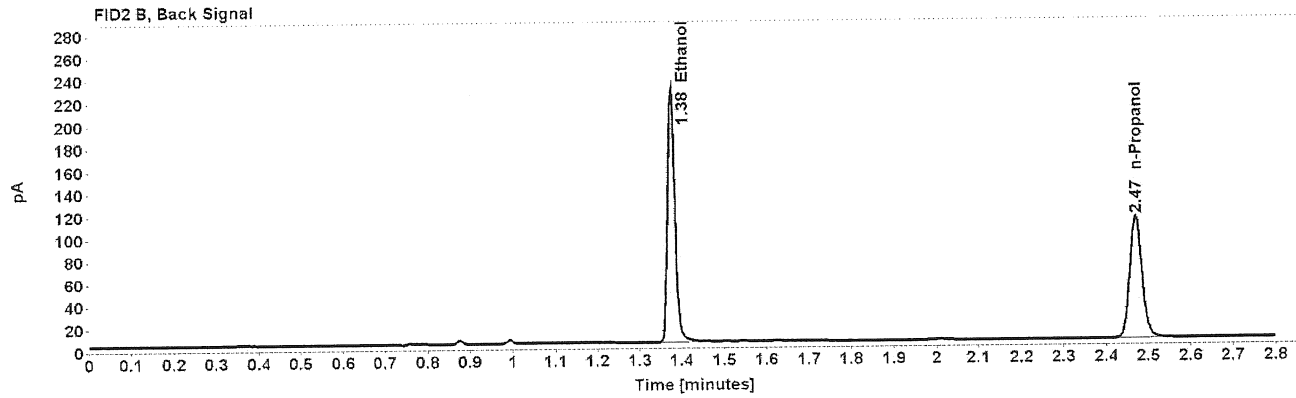
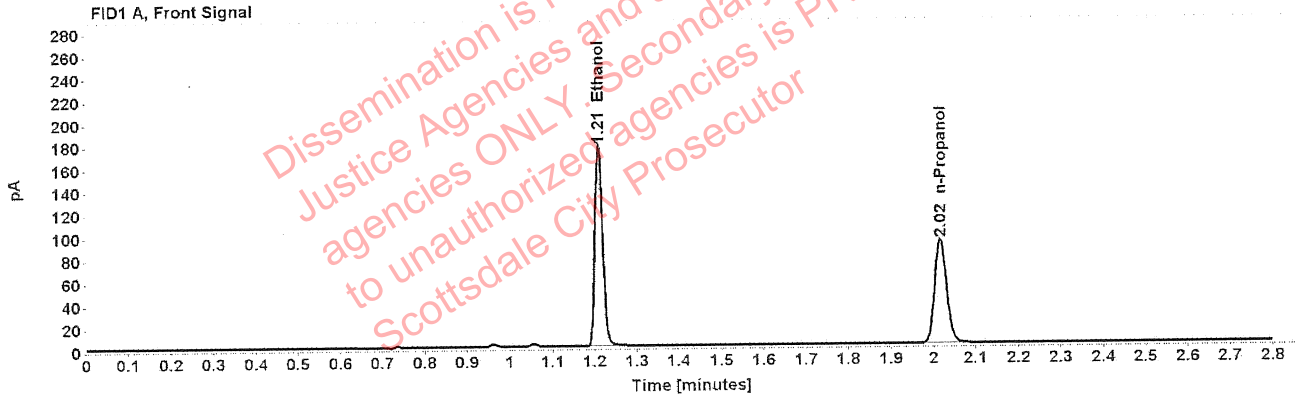


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3395	1.210	225.966
n-Propanol	-----	2.017	181.945

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

Compound	Time (min)	Peak Area
Ethanol	1.376	283.546
n-Propanol	2.470	221.034

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1324898	Vial: 16
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:07:38 PM
Data file: C:\Chem32\1\Data\19Jun20\16.D	Analyst: Canonico

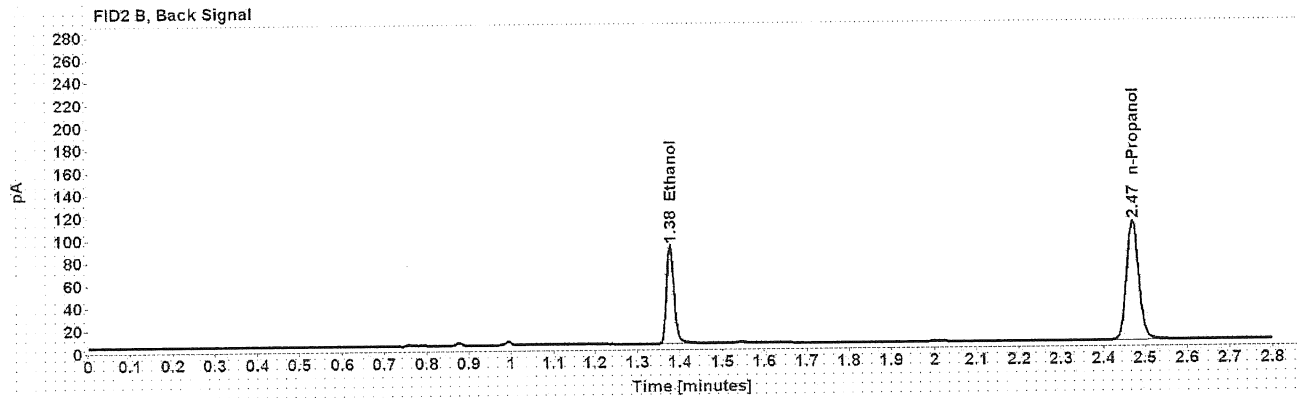
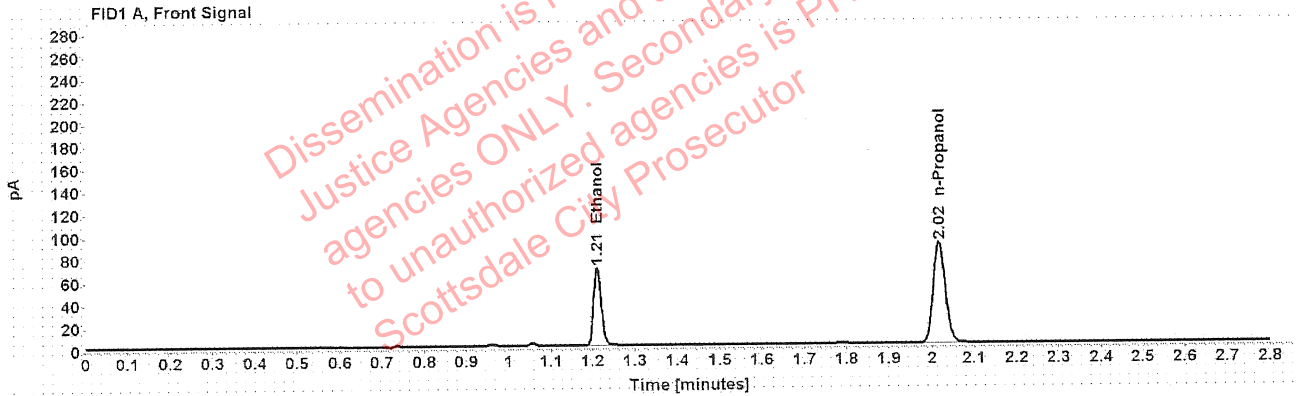


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1360	1.211	88.199
n-Propanol	-----	2.017	178.285

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

Compound	Time (min)	Peak Area
Ethanol	1.377	109.405
n-Propanol	2.470	216.214

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1324898	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:11:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\17.D	Analyst:	Canonico

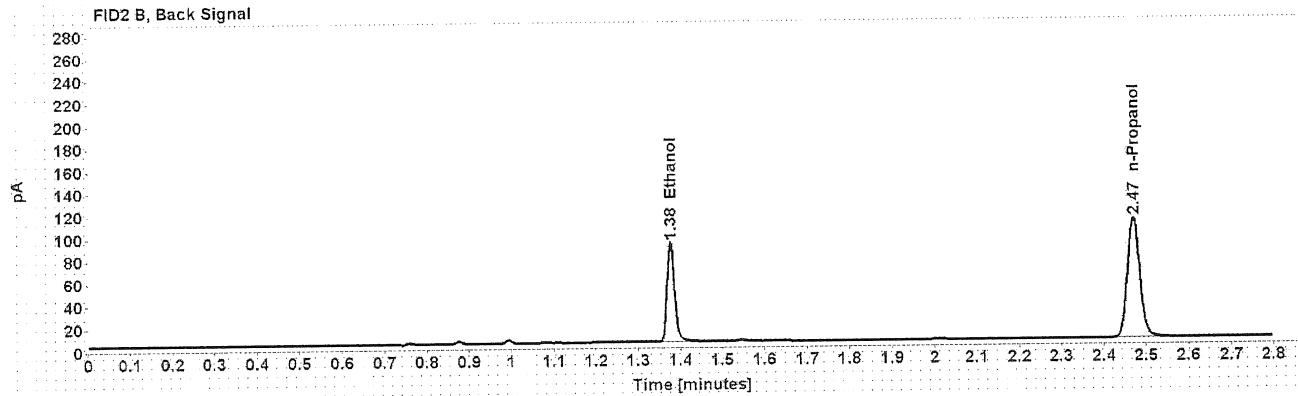
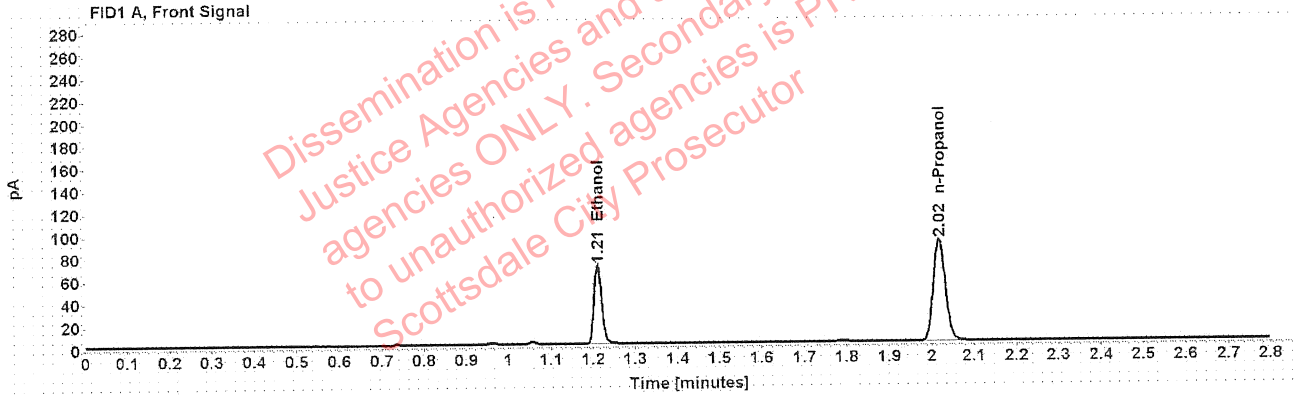


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1362	1.211	89.312
n-Propanol	-----	2.017	180.204

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

Compound	Time (min)	Peak Area
Ethanol	1.377	110.534
n-Propanol	2.470	218.332

[REDACTED]: Canonico, Erika - (22-Jun-2020)

Case: [REDACTED] User: ecanonico 6/22/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325100	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:15:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\18.D	Analyst:	Canonico

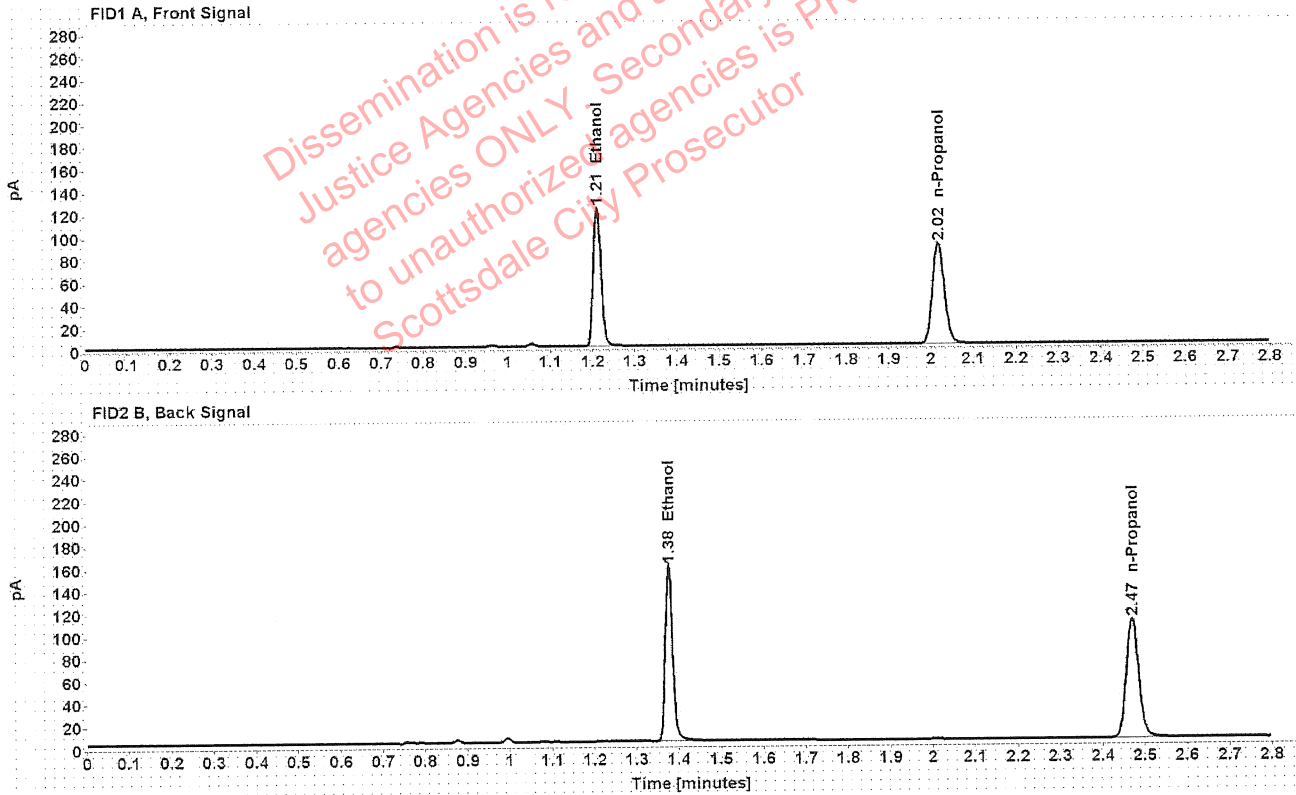


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2413	1.211	156.952
n-Propanol	-----	2.017	178.083

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

Compound	Time (min)	Peak Area
Ethanol	1.376	195.678
n-Propanol	2.470	215.724

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325100	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:19:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\19.D	Analyst:	Canonico

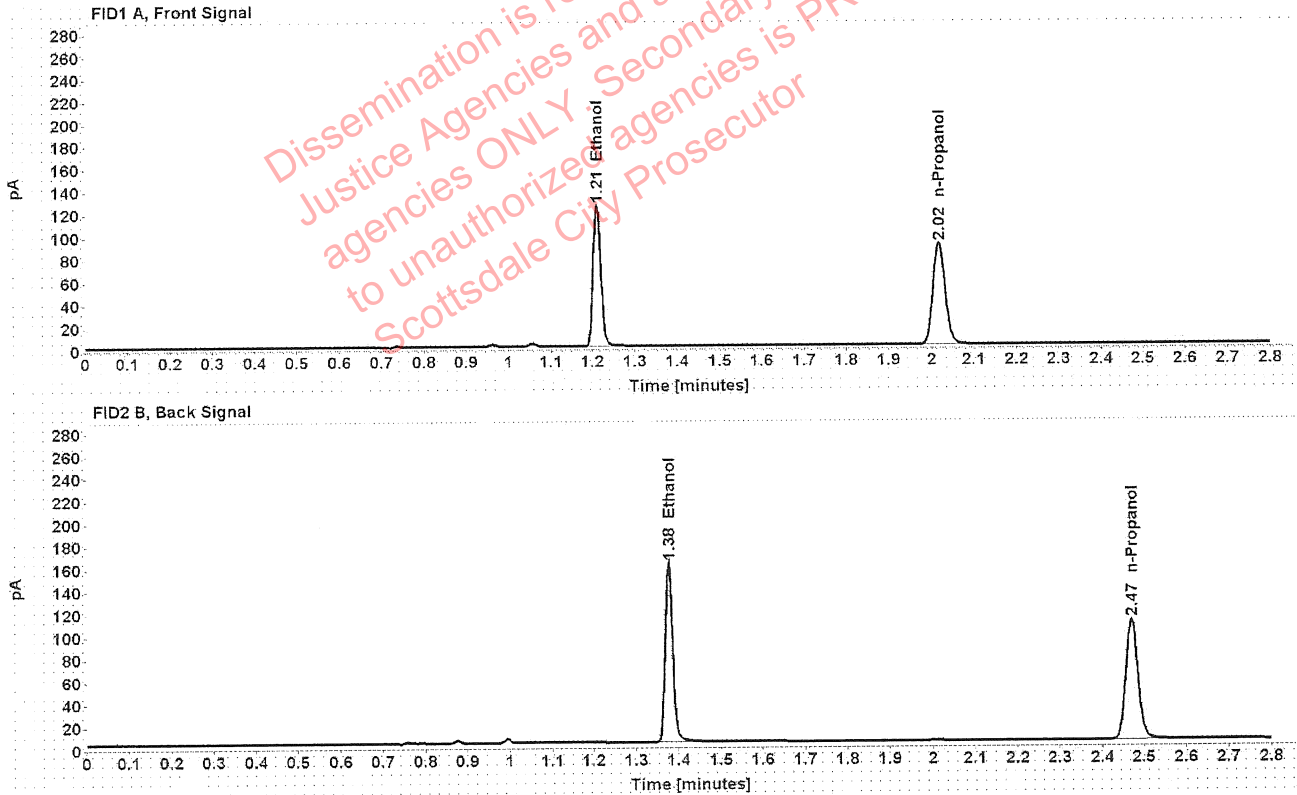


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2428	1.211	159.646
n-Propanol	-----	2.017	180.030

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

Compound	Time (min)	Peak Area
Ethanol	1.376	198.948
n-Propanol	2.470	217.832

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325008	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:27:54 PM
Data file:	C:\Chem32\1\Data\19Jun20\21.D	Analyst:	Canonico

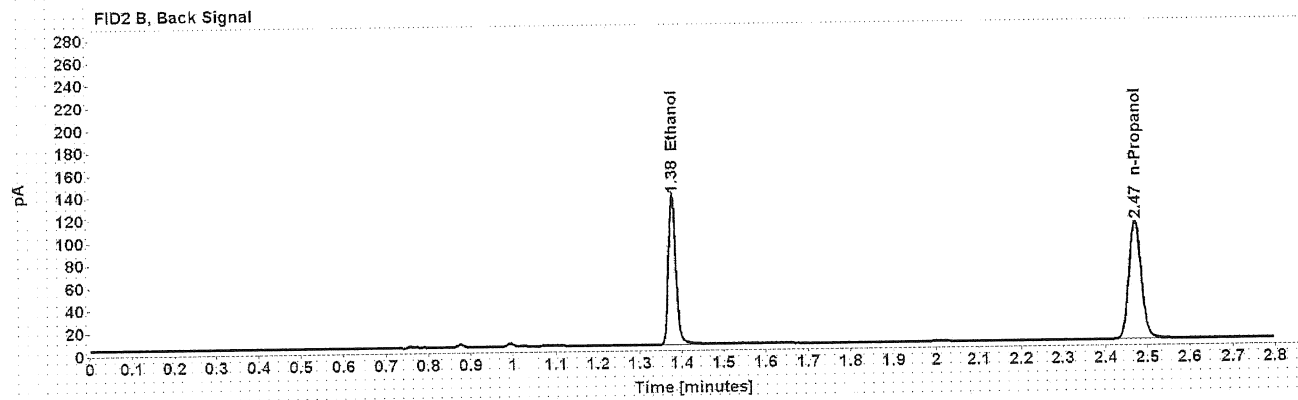
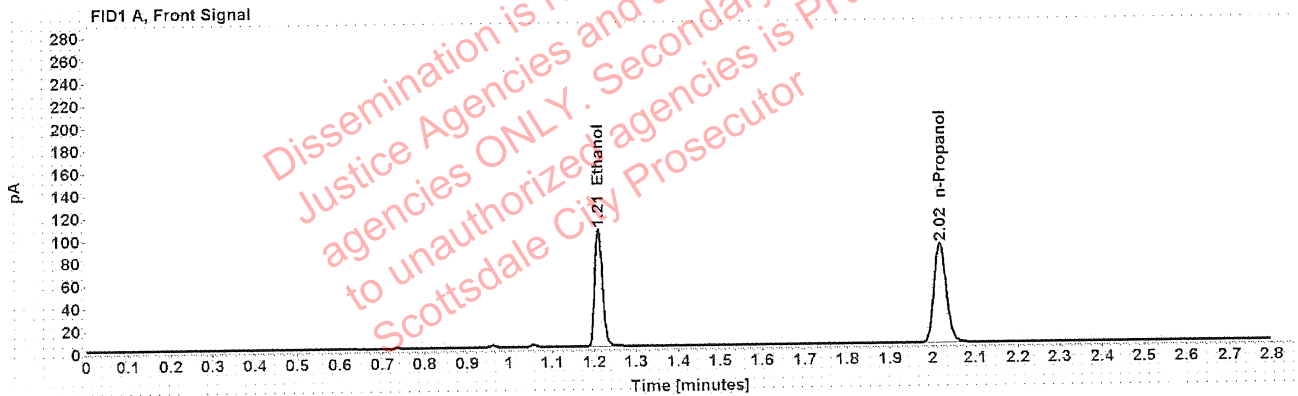


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2070	1.211	133.777
n-Propanol	-----	2.017	177.085

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.502
n-Propanol	2.470	214.442

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325008	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:31:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\22.D	Analyst:	Canonico

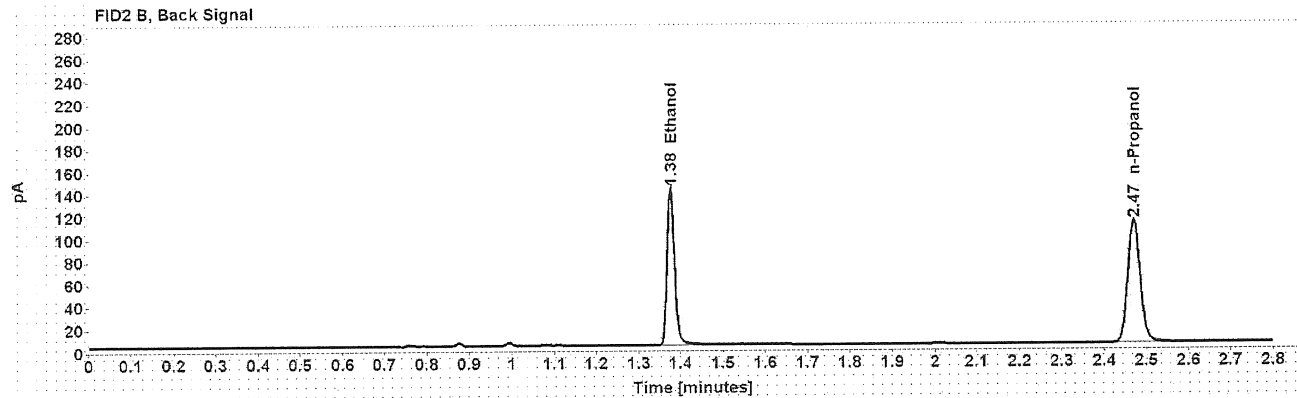
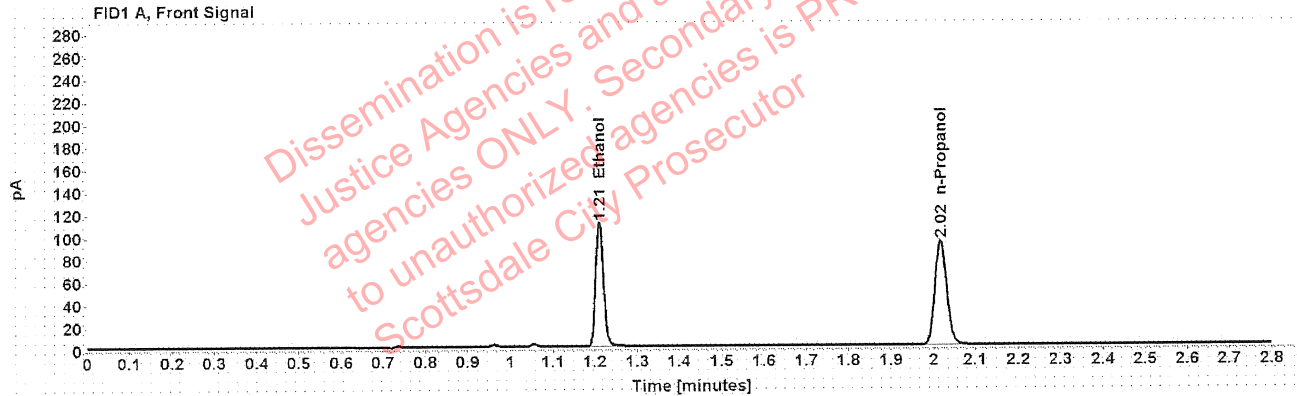


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2095	1.211	140.926
n-Propanol	-----	2.017	184.319

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

Compound	Time (min)	Peak Area
Ethanol	1.376	175.732
n-Propanol	2.470	223.225

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322897	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:35:53 PM
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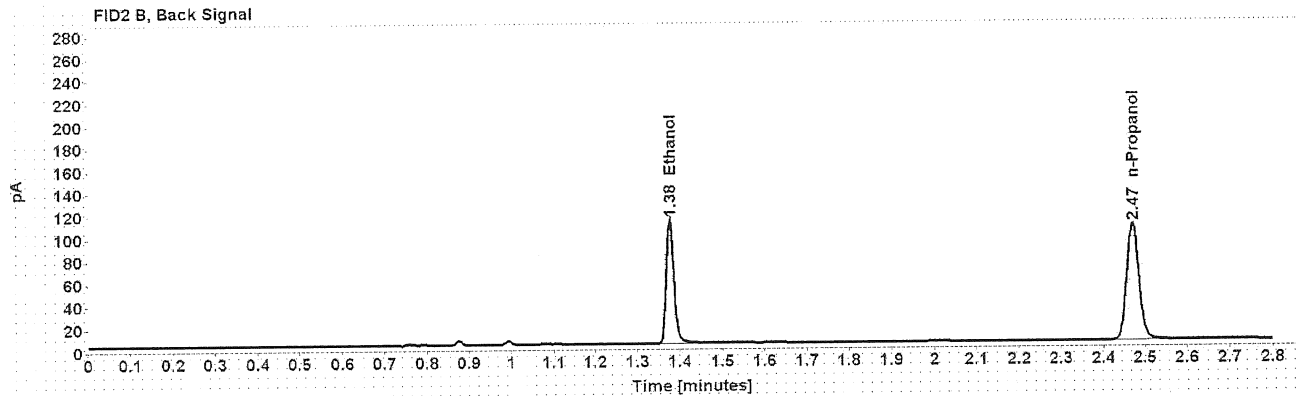
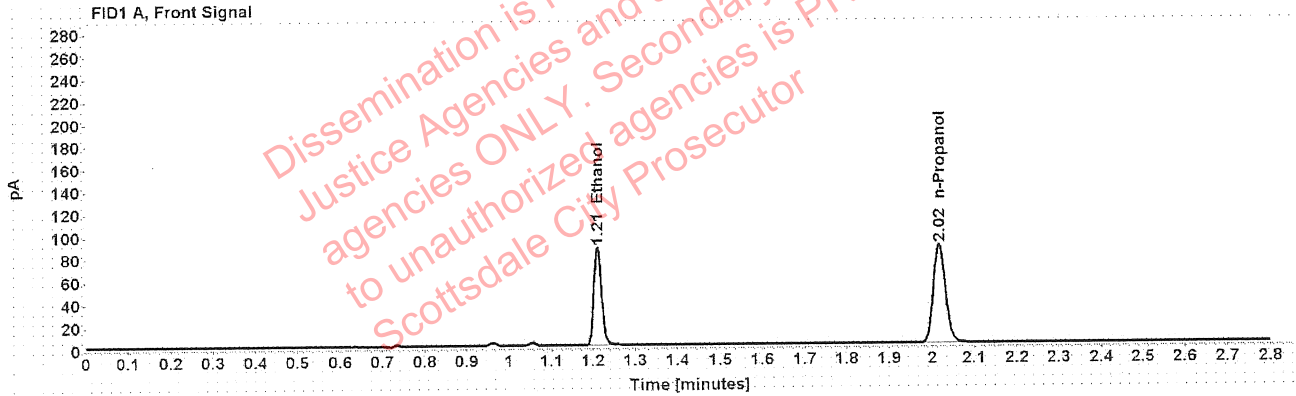


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1750	1.211	111.230
n-Propanol	-----	2.017	174.387

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

Compound	Time (min)	Peak Area
Ethanol	1.376	139.645
n-Propanol	2.470	211.160

Case: ██████████ User: ecanonico 6/22/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322897	Vial:	24
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:39:53 PM
Data file:	C:\Chem32\1\Data\19Jun20\24.D	Analyst:	Canonico

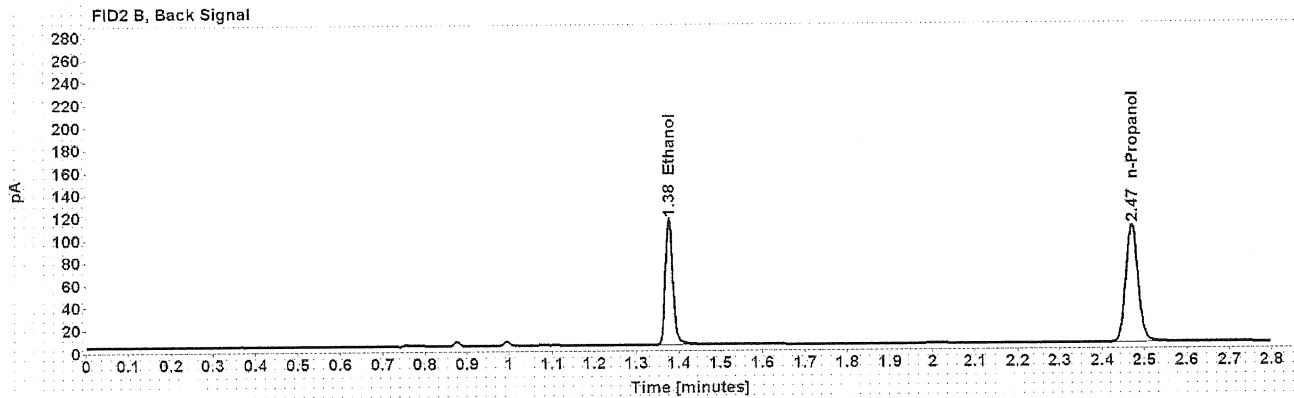
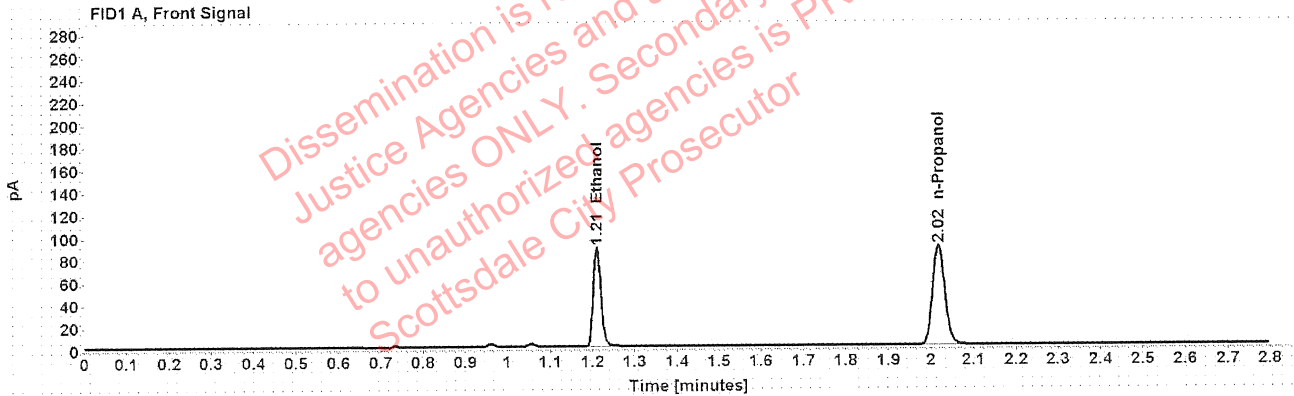


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1753	1.211	112.790
n-Propanol	-----	2.017	176.458

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

Compound	Time (min)	Peak Area
Ethanol	1.376	140.081
n-Propanol	2.470	214.041

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320683	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:44:08 PM
Data file:	C:\Chem32\1\Data\19Jun20\25.D	Analyst:	Canonico

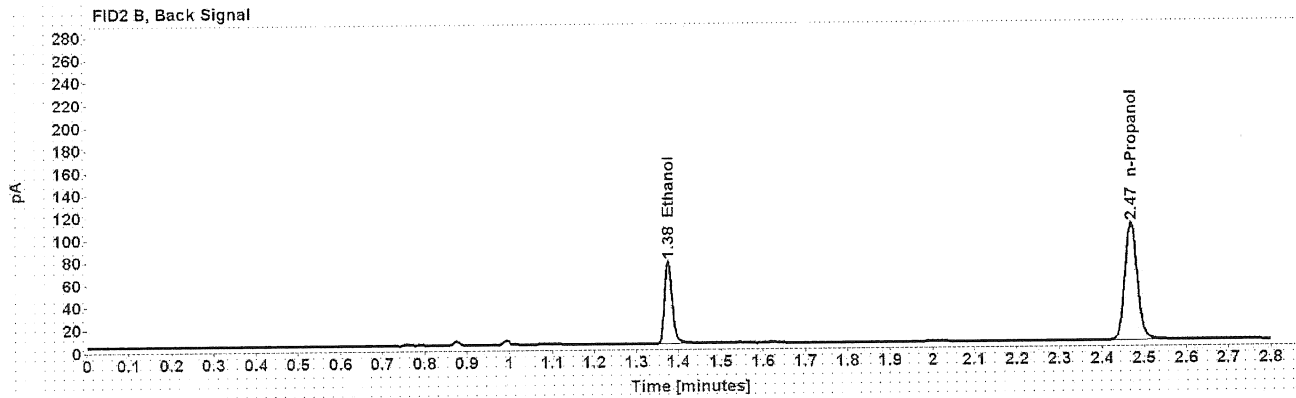
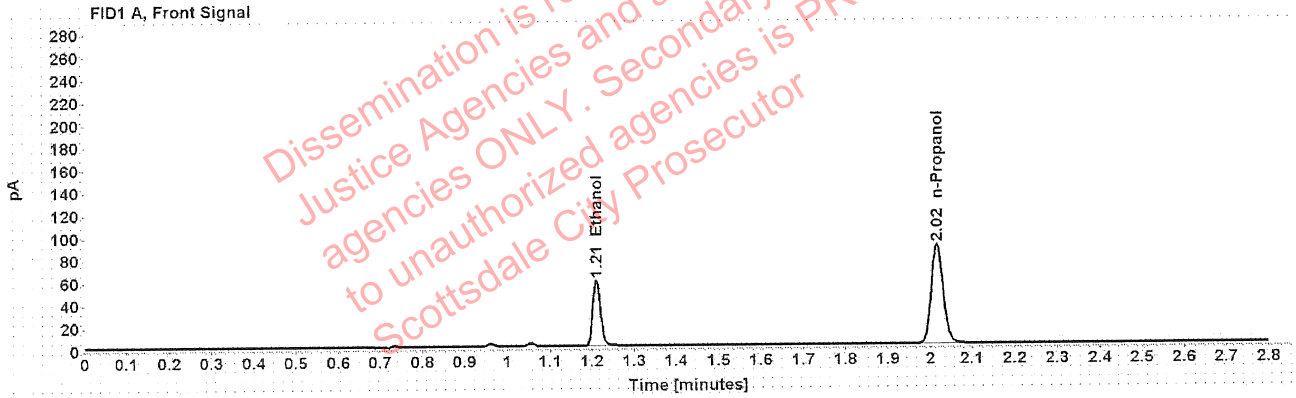


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1173	1.211	75.027
n-Propanol	-----	2.016	176.013

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

Compound	Time (min)	Peak Area
Ethanol	1.375	92.566
n-Propanol	2.469	213.439

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320683	Vial:	26
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:48:09 PM
Data file:	C:\Chem32\1\Data\19Jun20\26.D	Analyst:	Canonico

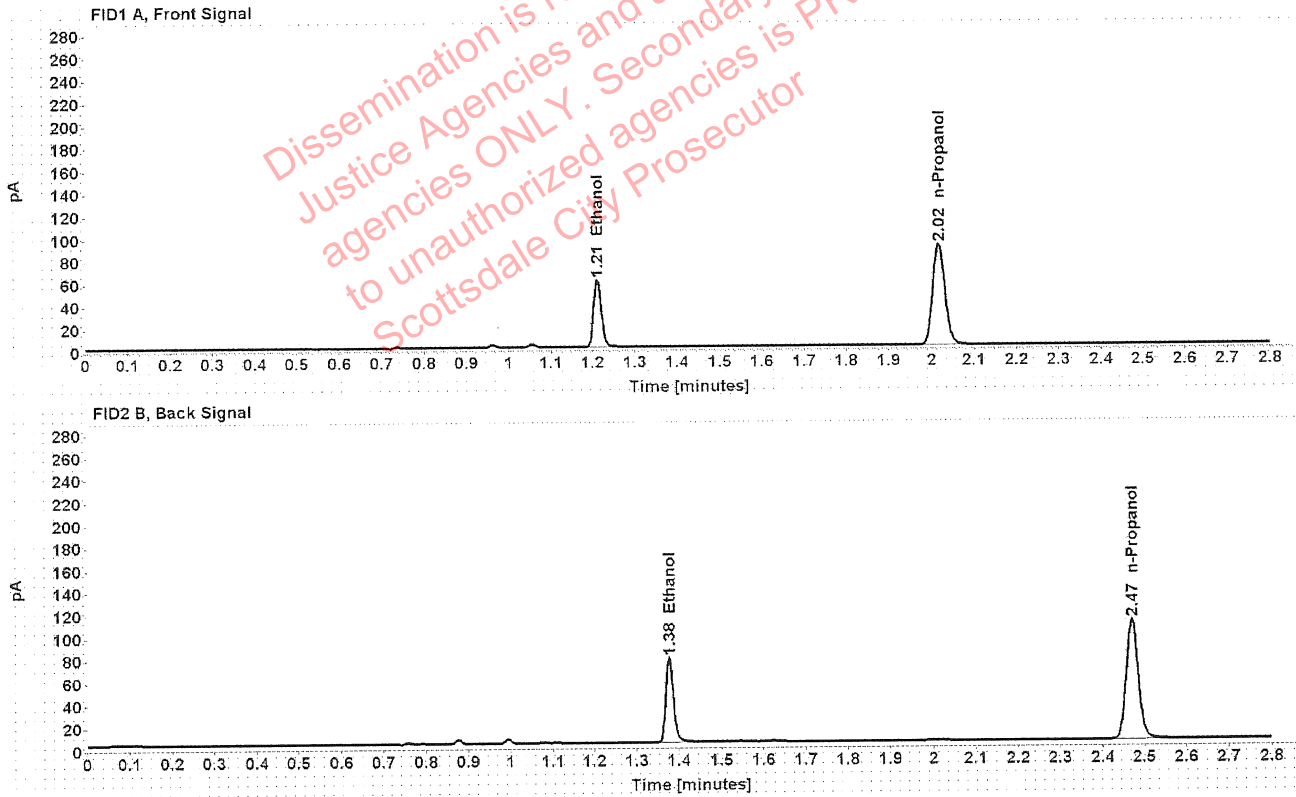


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1183	1.211	76.991
n-Propanol	-----	2.017	179.206

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

Compound	Time (min)	Peak Area
Ethanol	1.377	95.196
n-Propanol	2.470	217.160

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325108	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 1:52:08 PM
Data file:	C:\Chem32\1\Data\19Jun20\27.D	Analyst:	Canonico

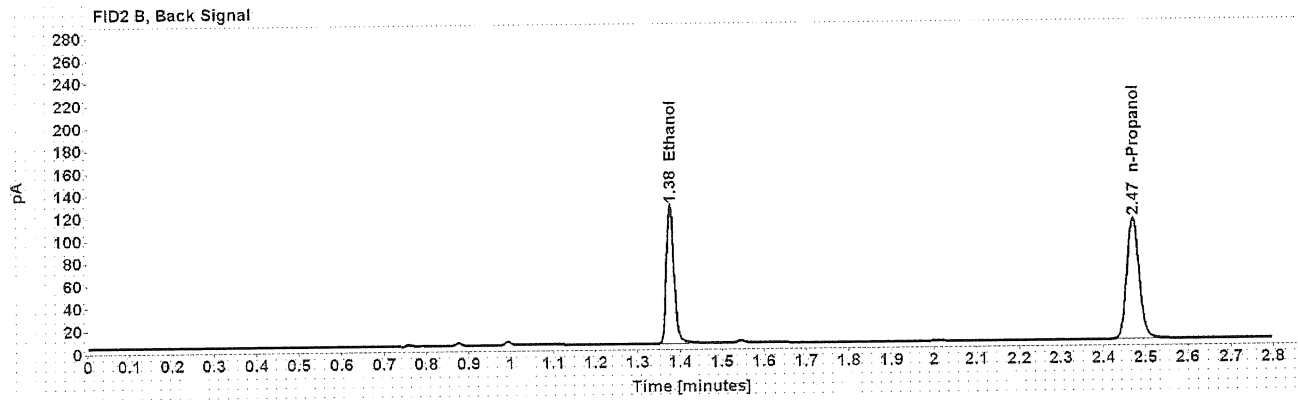
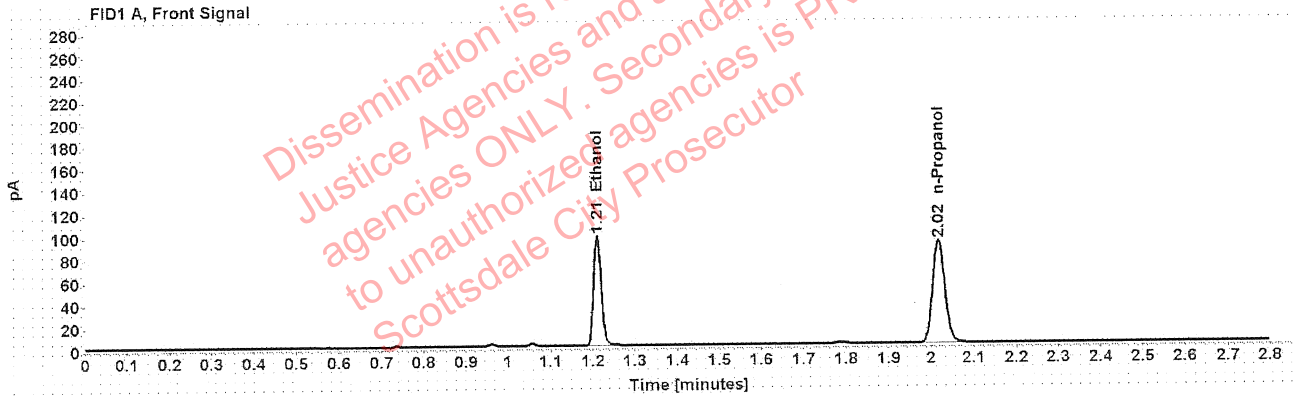


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1876	1.211	124.487
n-Propanol	-----	2.017	181.954

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

Compound	Time (min)	Peak Area
Ethanol	1.376	154.921
n-Propanol	2.470	219.437

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1325108	Vial: 28
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 19Jun20
Instrument: US14173023 CN14160045	Injection date: 6/19/2020 1:56:08 PM
Data file: C:\Chem32\1\Data\19Jun20\28.D	Analyst: Canonico

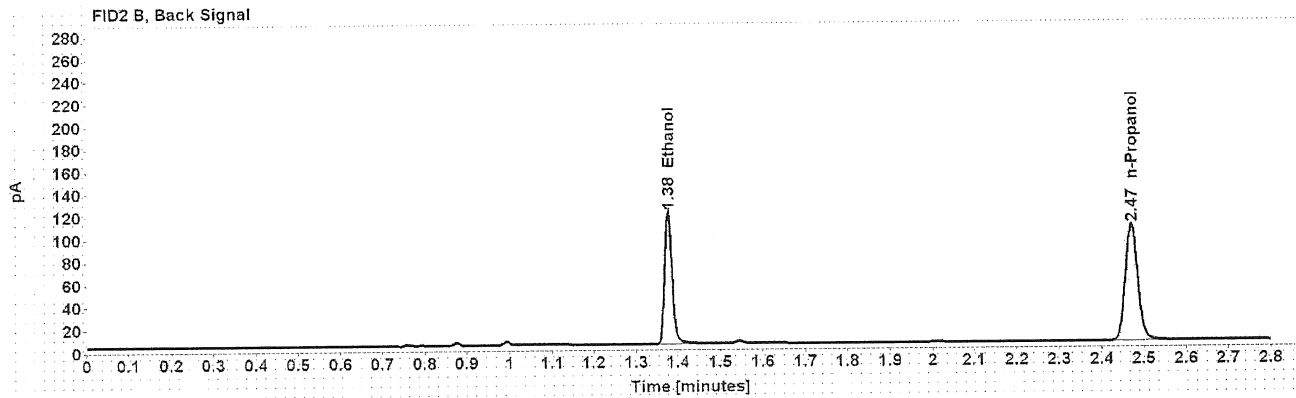
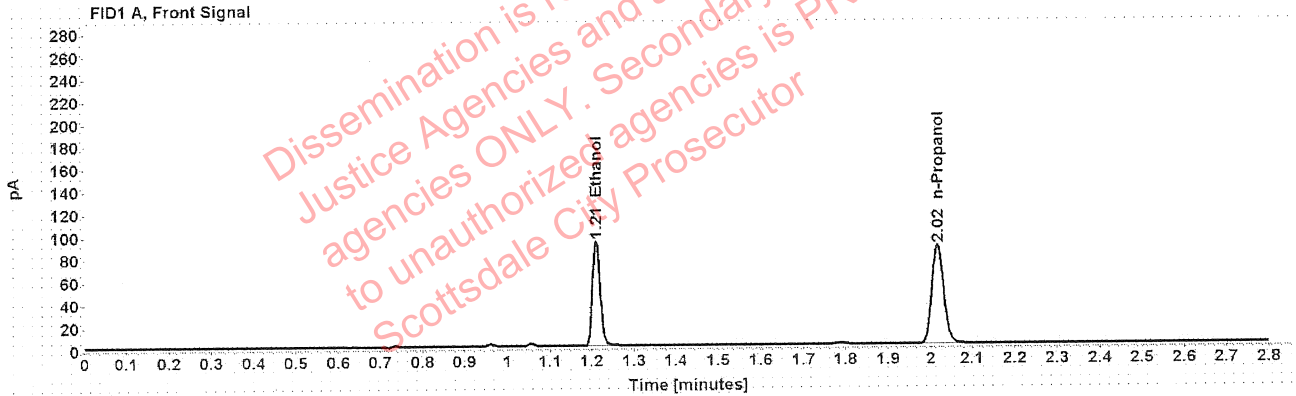


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1862	1.211	118.576
n-Propanol	-----	2.017	174.625

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

Compound	Time (min)	Peak Area
Ethanol	1.376	147.096
n-Propanol	2.470	210.538

Case: [REDACTED] : Canonico, Erika - (22-Jun-2020)

User: ecanonico 6/22/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1324437	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:00:09 PM
Data file:	C:\Chem32\1\Data\19Jun20\29.D	Analyst:	Canonico

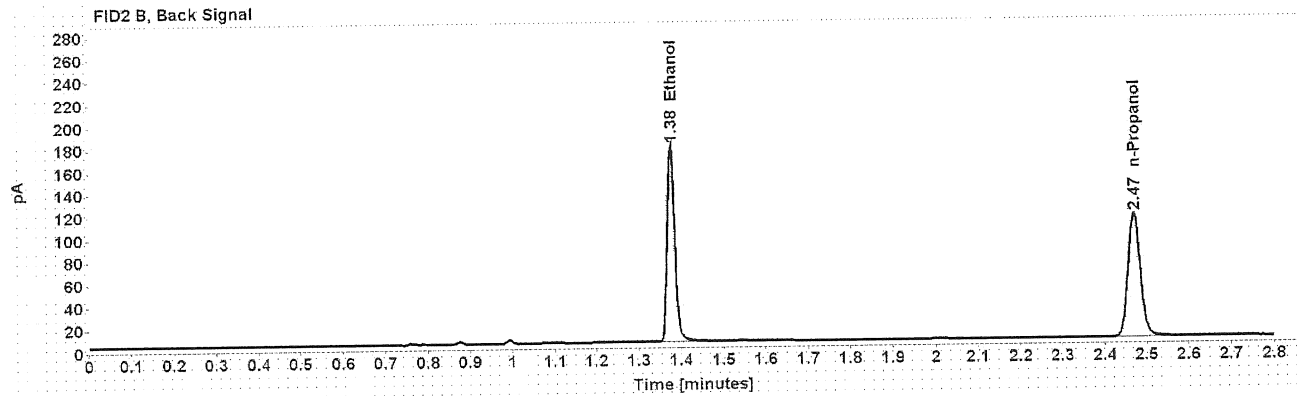
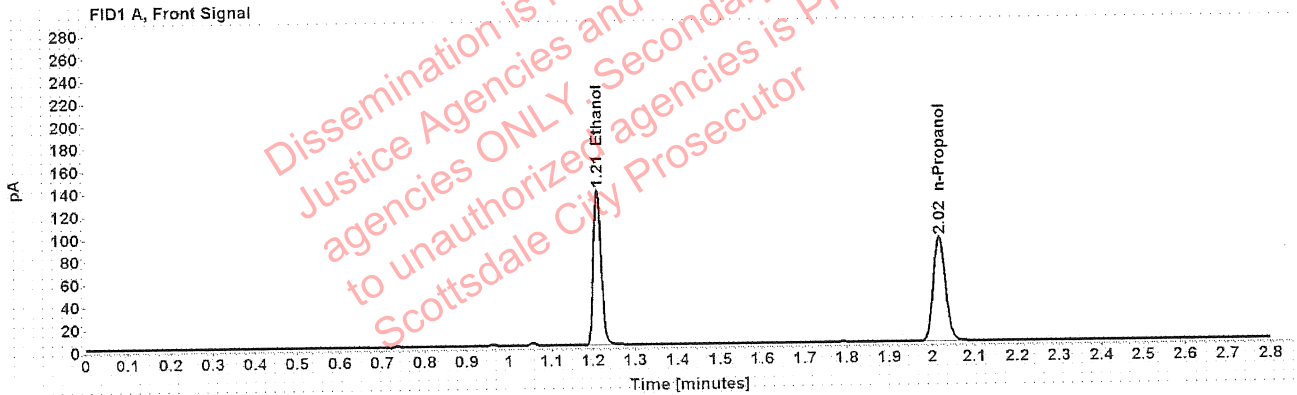


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2602	1.211	176.126
n-Propanol	-----	2.017	185.258

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

Compound	Time (min)	Peak Area
Ethanol	1.376	219.318
n-Propanol	2.470	224.383

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1324437	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:04:08 PM
Data file:	C:\Chem32\1\Data\19Jun20\30.D	Analyst:	Canonico

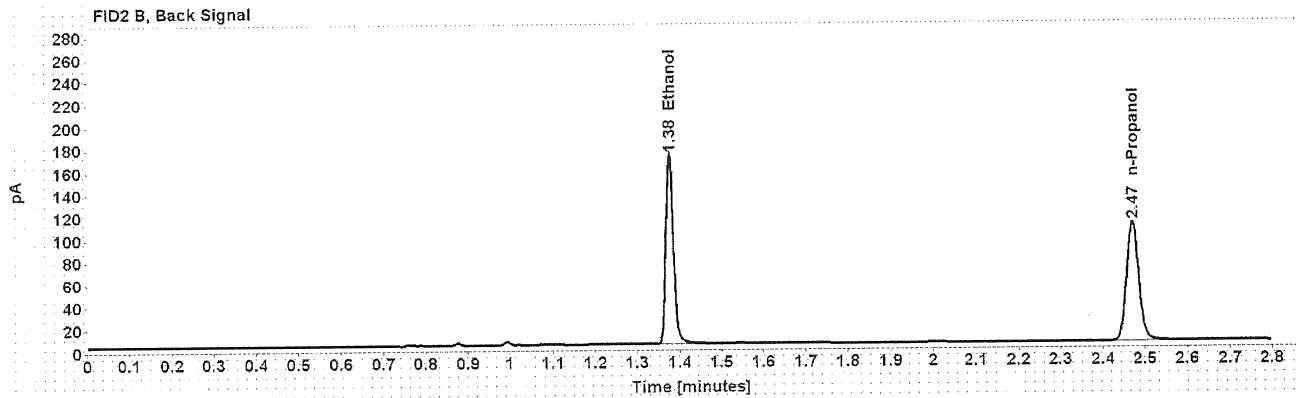
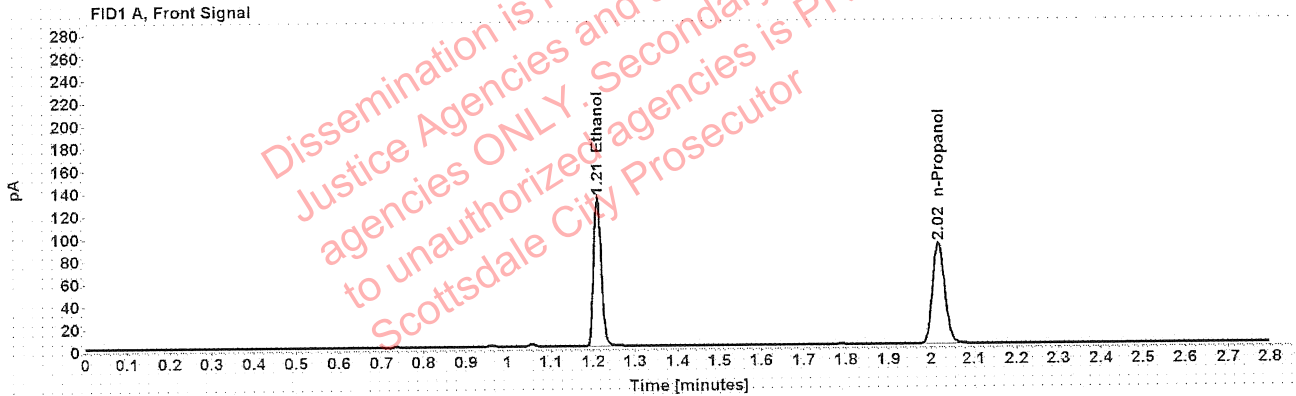


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2585	1.211	169.551
n-Propanol	-----	2.017	179.474

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

Compound	Time (min)	Peak Area
Ethanol	1.376	211.135
n-Propanol	2.470	217.448

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325973	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:12:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\32.D	Analyst:	Canonico

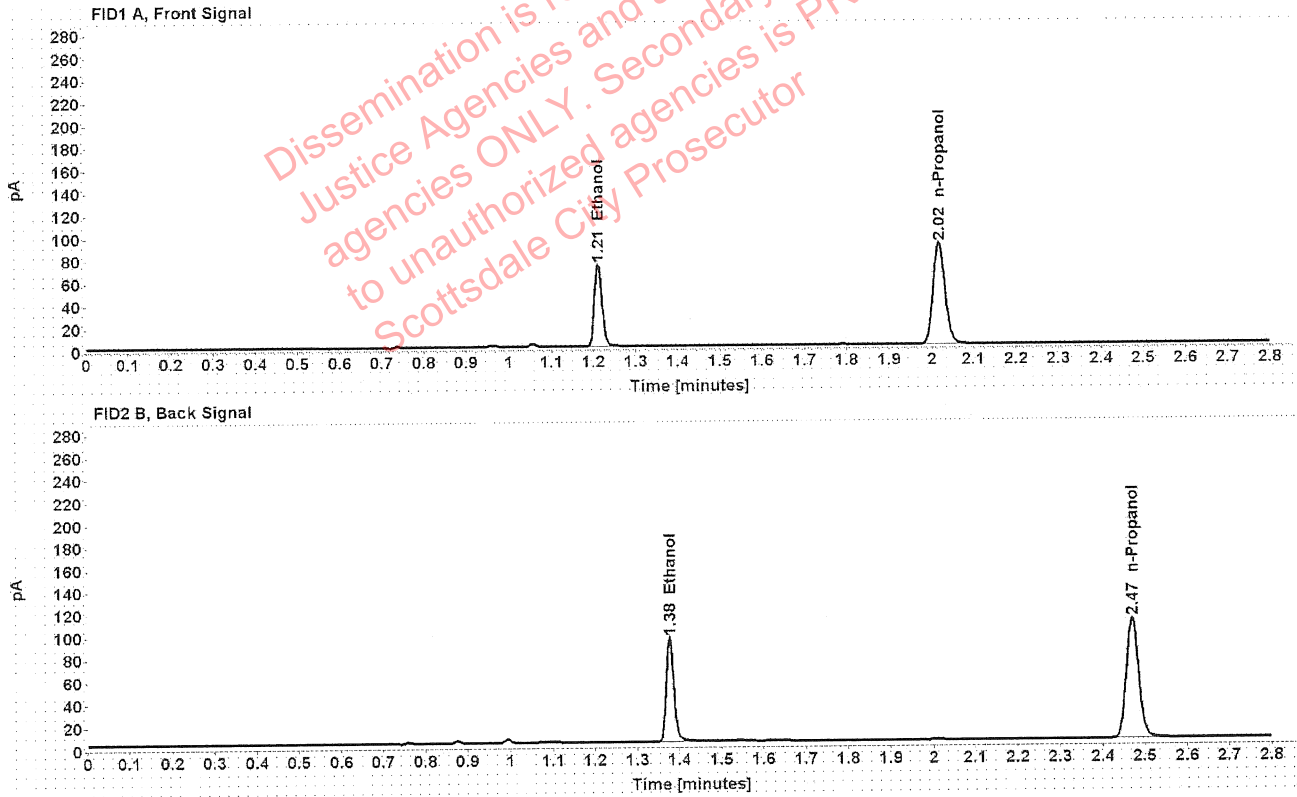


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1425	1.211	93.589
n-Propanol	-----	2.017	180.394

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

Compound	Time (min)	Peak Area
Ethanol	1.377	115.746
n-Propanol	2.470	217.869

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325973	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:16:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\33.D	Analyst:	Canonico

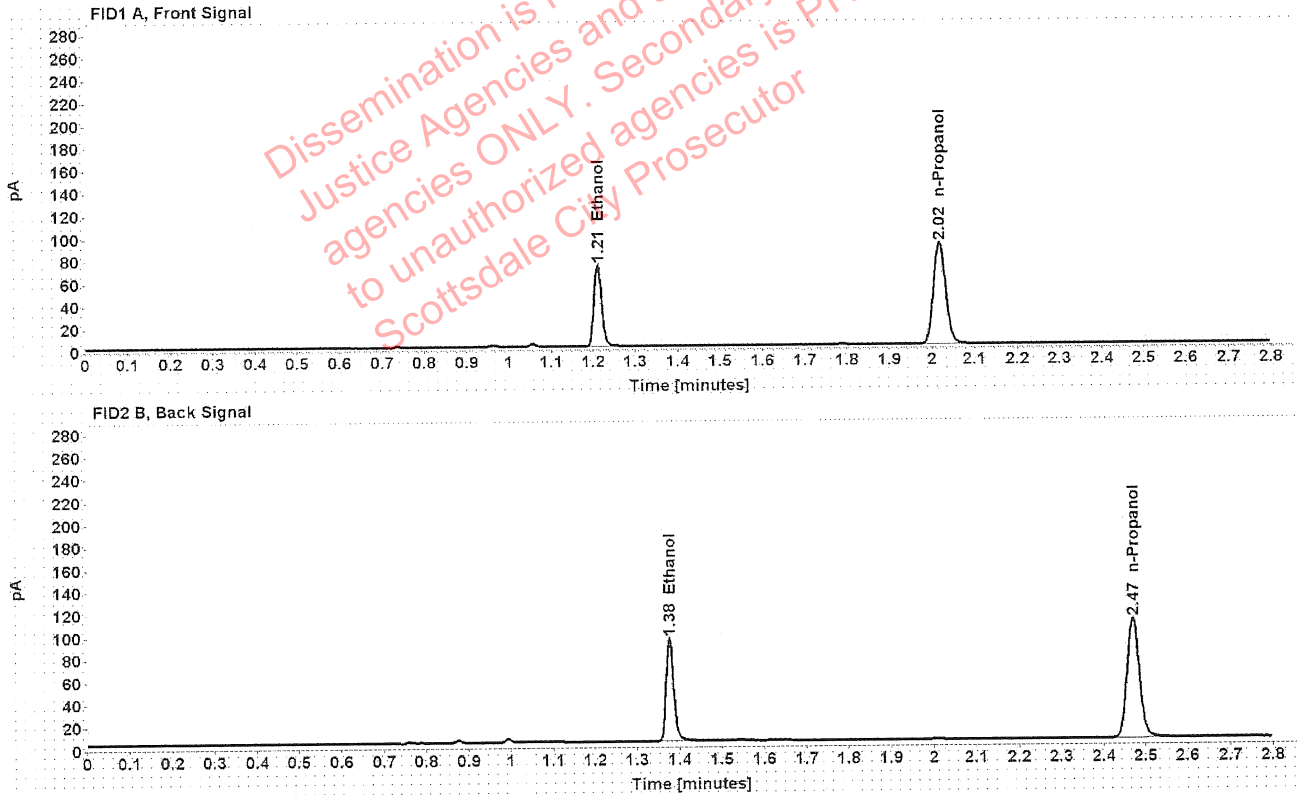


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1416	1.211	92.783
n-Propanol	-----	2.017	180.011

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

Compound	Time (min)	Peak Area
Ethanol	1.377	114.514
n-Propanol	2.470	217.607

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323791	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:20:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\34.D	Analyst:	Canonico

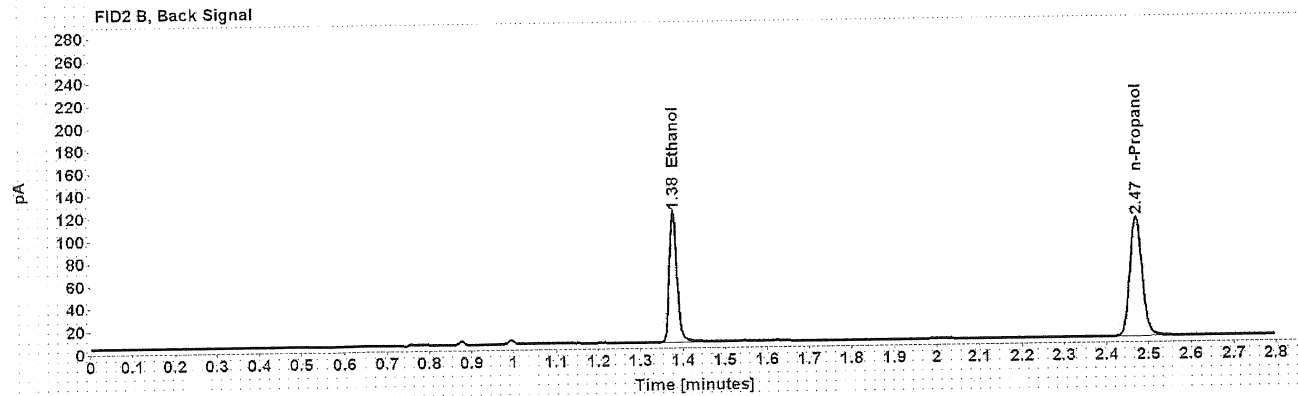
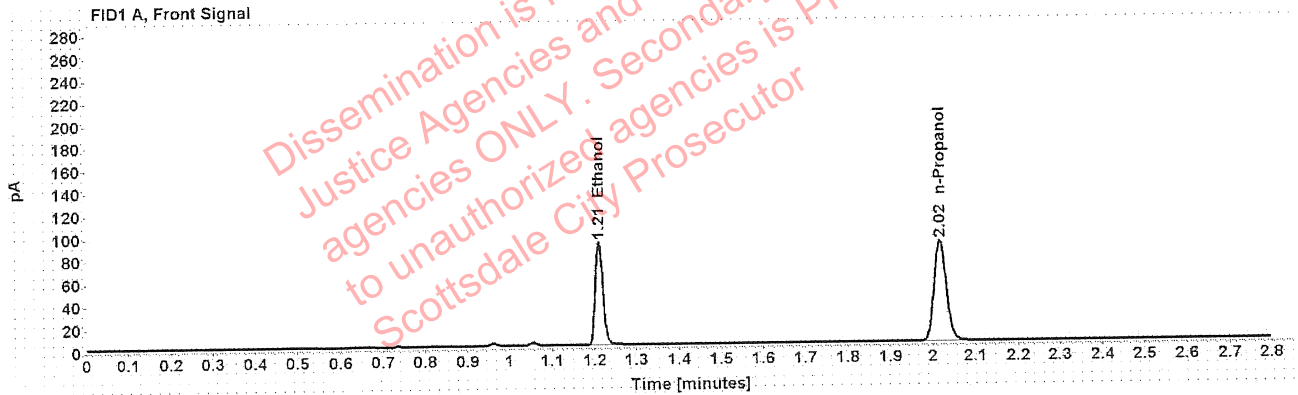


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1801	1.211	116.988
n-Propanol	-----	2.017	178.147

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

Compound	Time (min)	Peak Area
Ethanol	1.376	146.900
n-Propanol	2.470	216.117

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323791	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:24:23 PM
Data file:	C:\Chem32\1\Data\19Jun20\35.D	Analyst:	Canonico

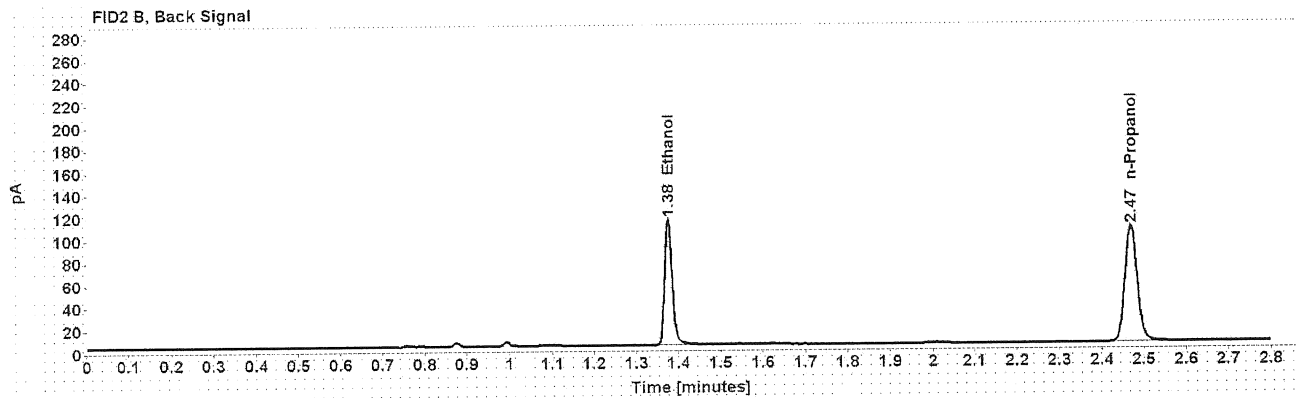
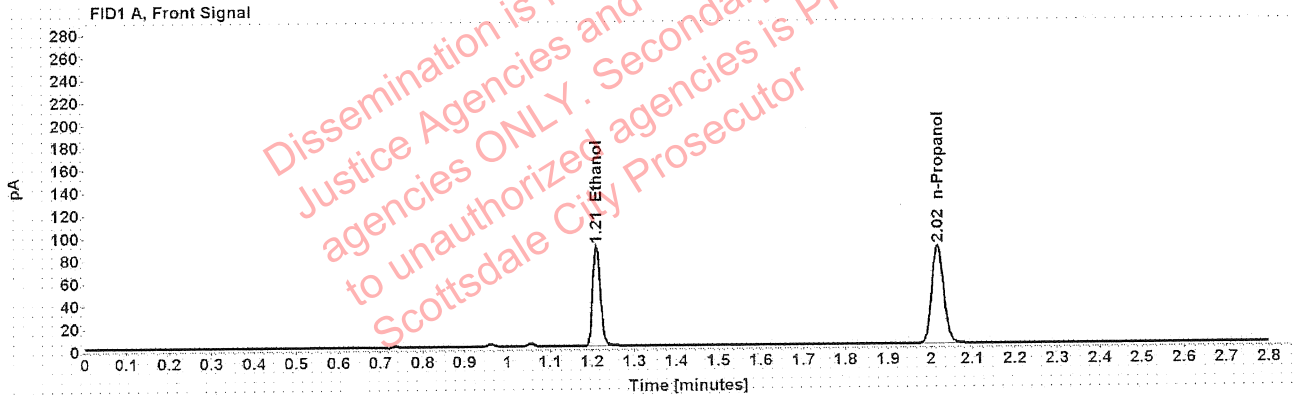


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1786	1.210	113.231
n-Propanol	-----	2.016	173.875

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

Compound	Time (min)	Peak Area
Ethanol	1.375	140.582
n-Propanol	2.469	211.136

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323367	Vial:	36
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:28:24 PM
Data file:	C:\Chem32\1\Data\19Jun20\36.D	Analyst:	Canonico

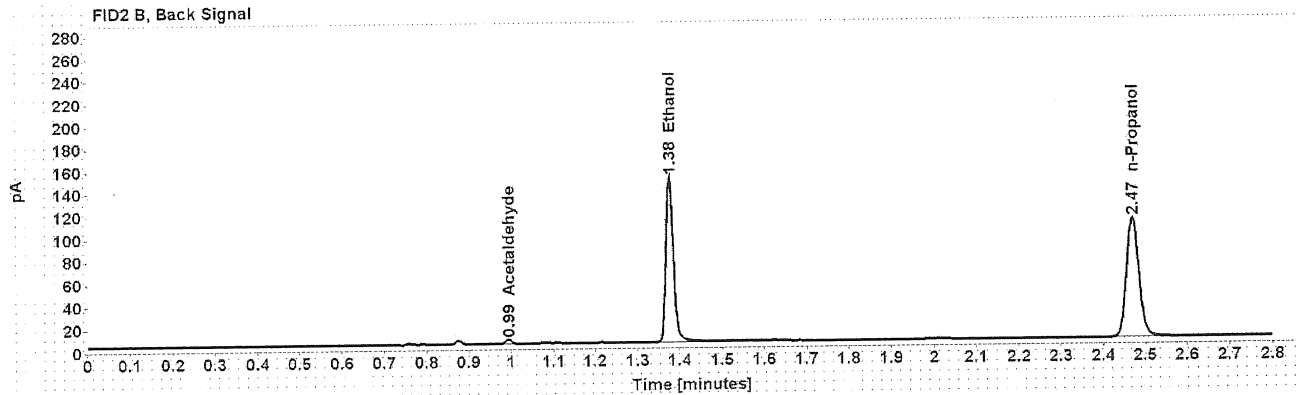
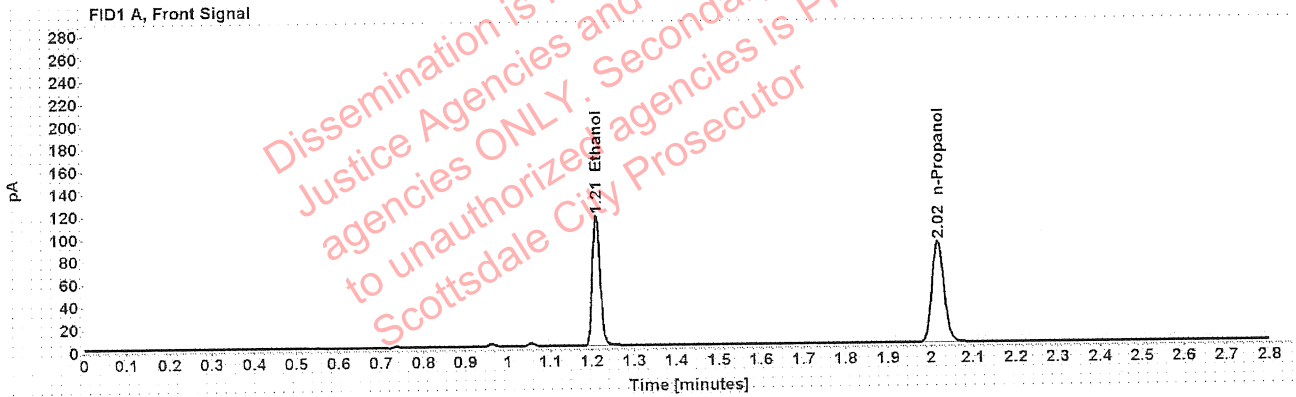


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2263	1.211	147.963
n-Propanol	-----	2.017	179.055

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.753
Ethanol	1.376	185.538
n-Propanol	2.470	217.330

: Canonico, Erika - (22-Jun-2020)

Case: [REDACTED] User: ecanonico 6/22/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323367	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:32:38 PM
Data file:	C:\Chem321\1\Data\19Jun20\37.D	Analyst:	Canonico

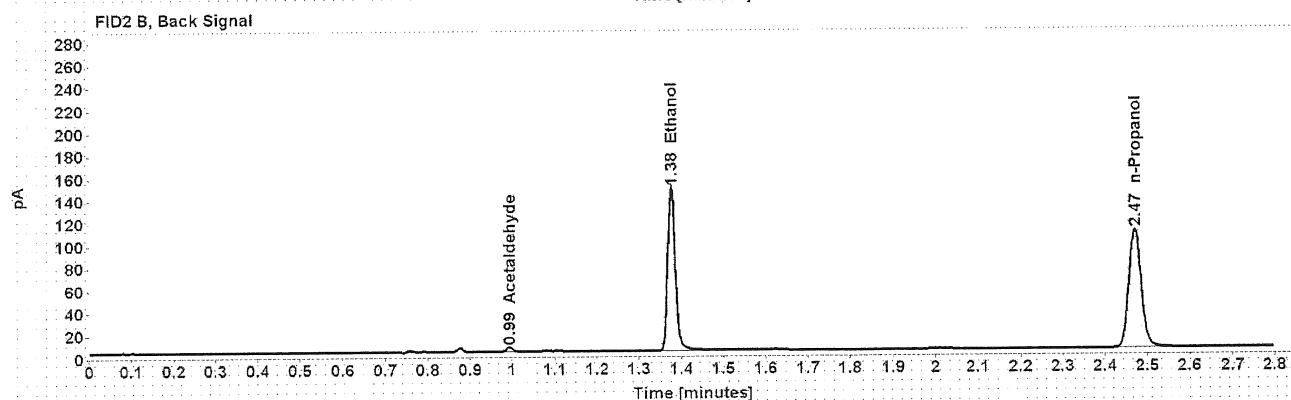
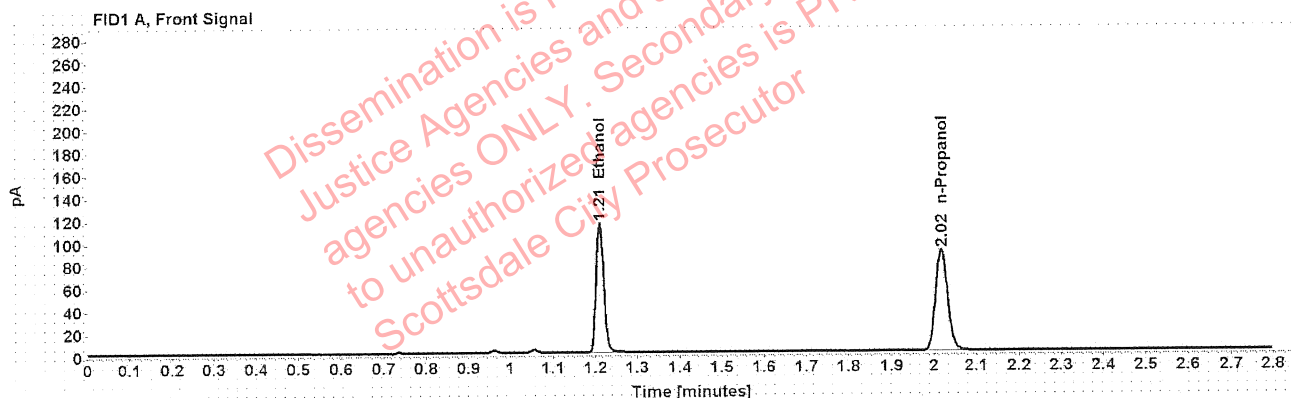


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2259	1.211	147.097
n-Propanol	-----	2.017	178.339

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.774
Ethanol	1.376	184.257
n-Propanol	2.470	216.297

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288727	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:36:39 PM
Data file:	C:\Chem32\1\Data\19Jun20\38.D	Analyst:	Canonico

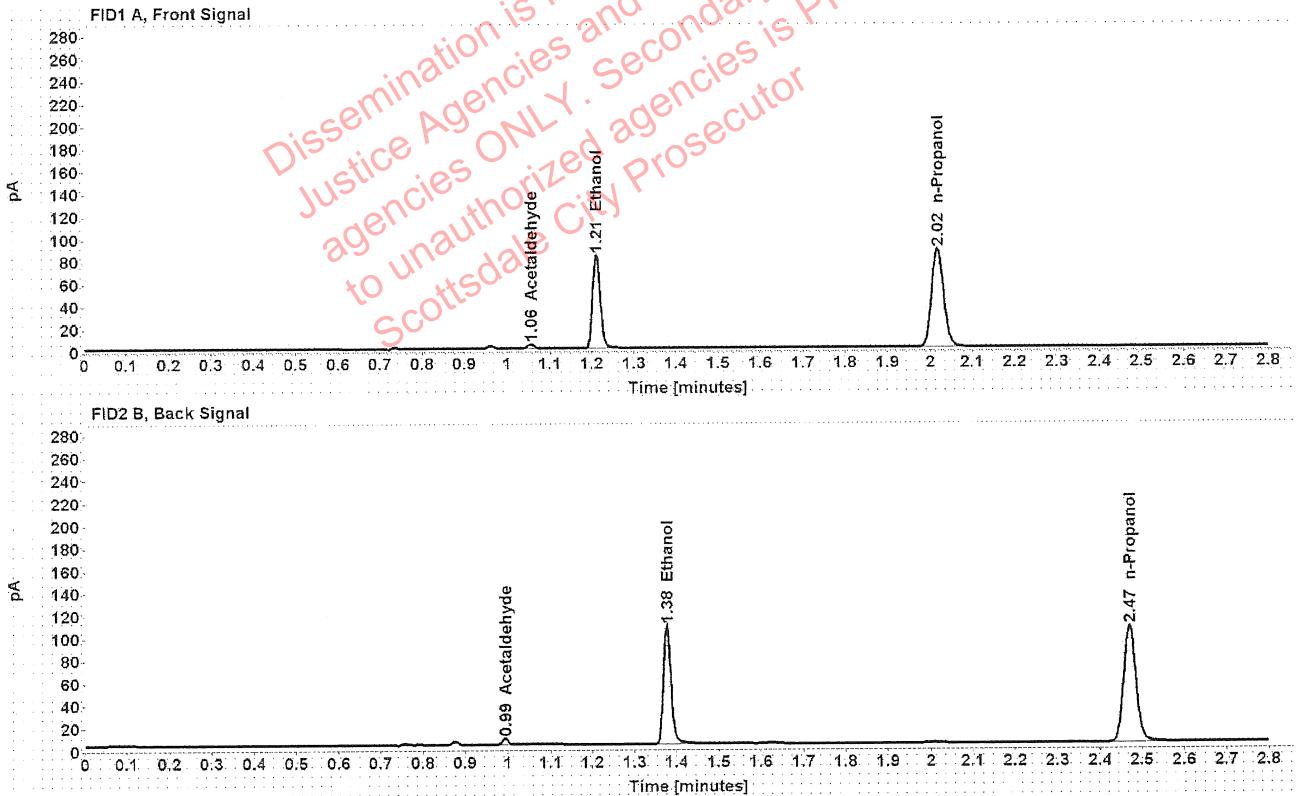


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.835
>Ethanol	0.1677	1.211	106.661
n-Propanol	-----	2.017	174.524

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.004
Ethanol	1.377	132.677
n-Propanol	2.470	212.068

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288727	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:40:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\39.D	Analyst:	Canonico

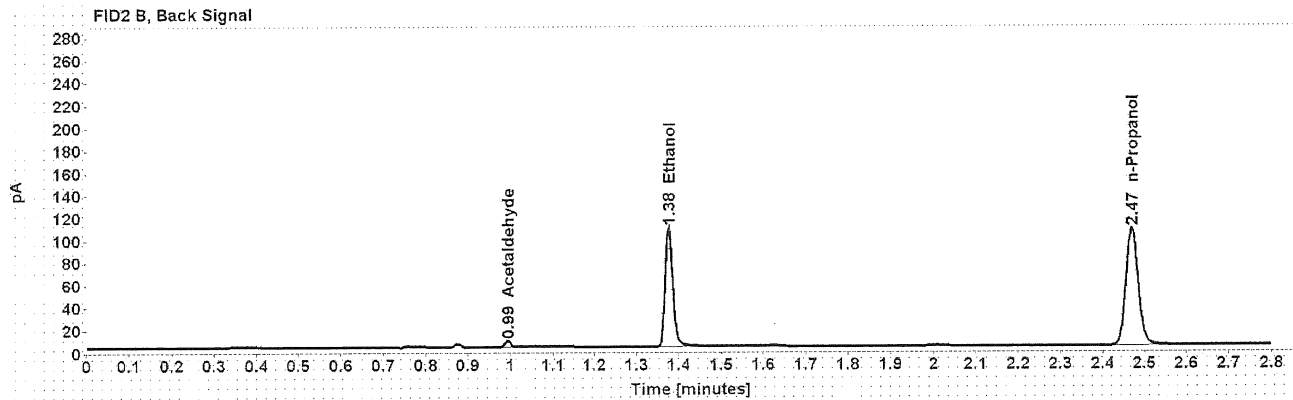
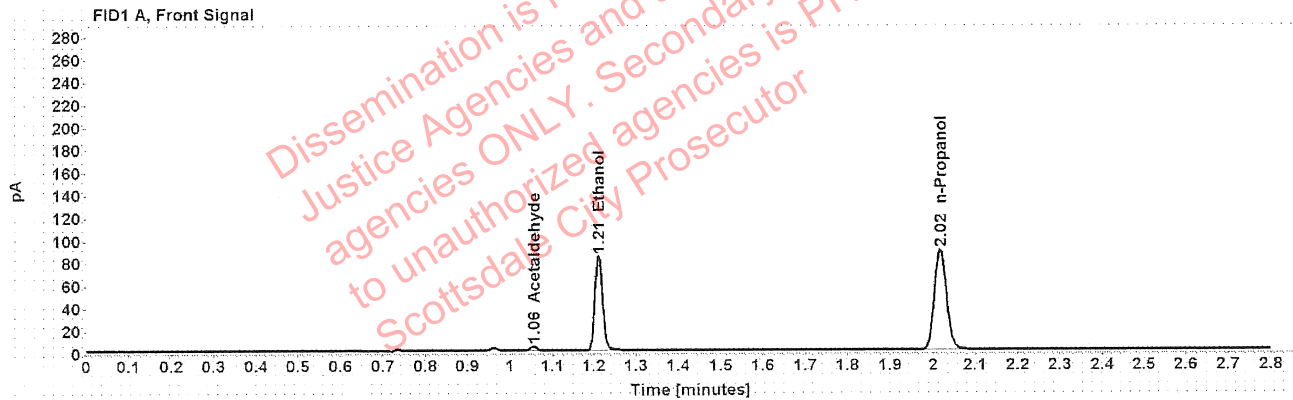


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.770
>Ethanol	0.1672	1.211	107.819
n-Propanol	-----	2.017	176.961

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.923
Ethanol	1.376	134.015
n-Propanol	2.469	214.958

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325970	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:44:39 PM
Data file:	C:\Chem32\1\Data\19Jun20\40.D	Analyst:	Canonico

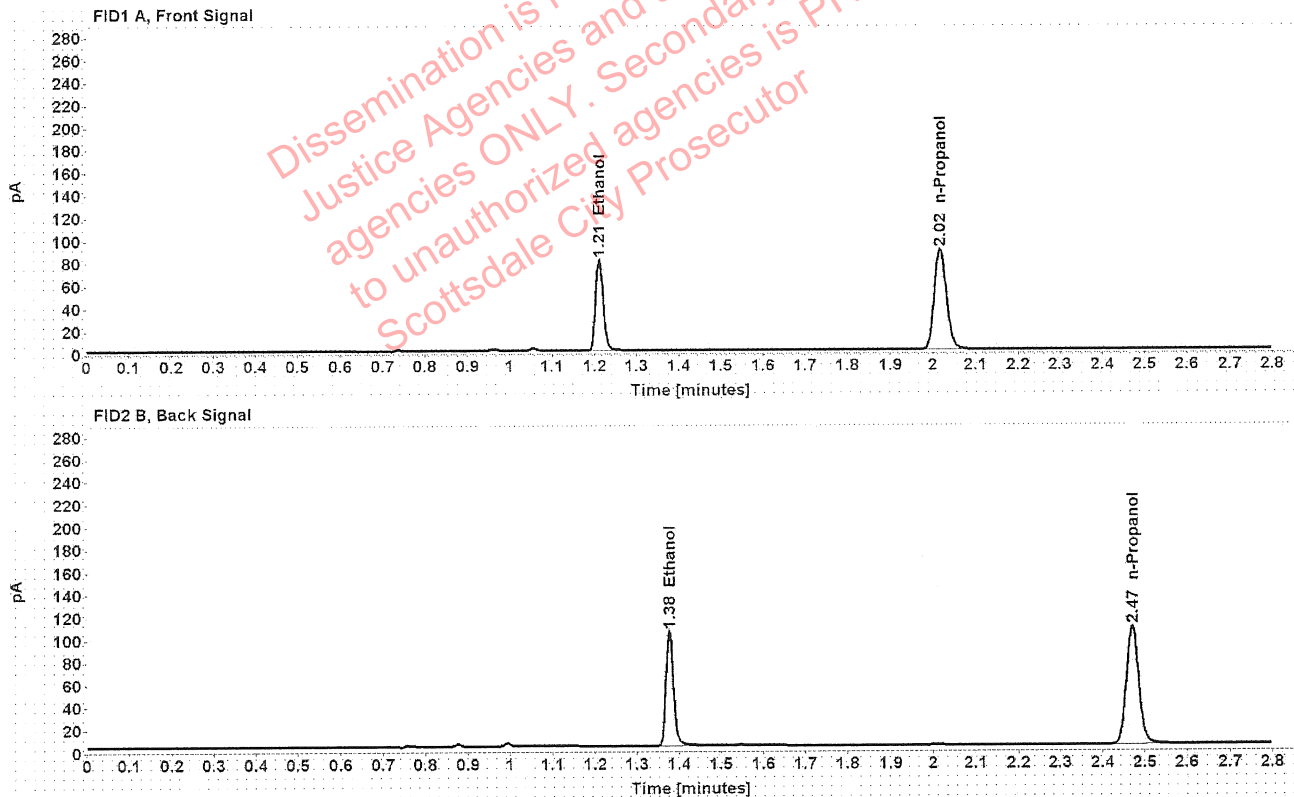


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1597	1.211	103.412
n-Propanol	-----	2.017	177.755

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

Compound	Time (min)	Peak Area
Ethanol	1.377	128.313
n-Propanol	2.470	214.758

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325970	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	19Jun20
Instrument:	US14173023 CN14160045	Injection date:	6/19/2020 2:48:38 PM
Data file:	C:\Chem32\1\Data\19Jun20\41.D	Analyst:	Canonico

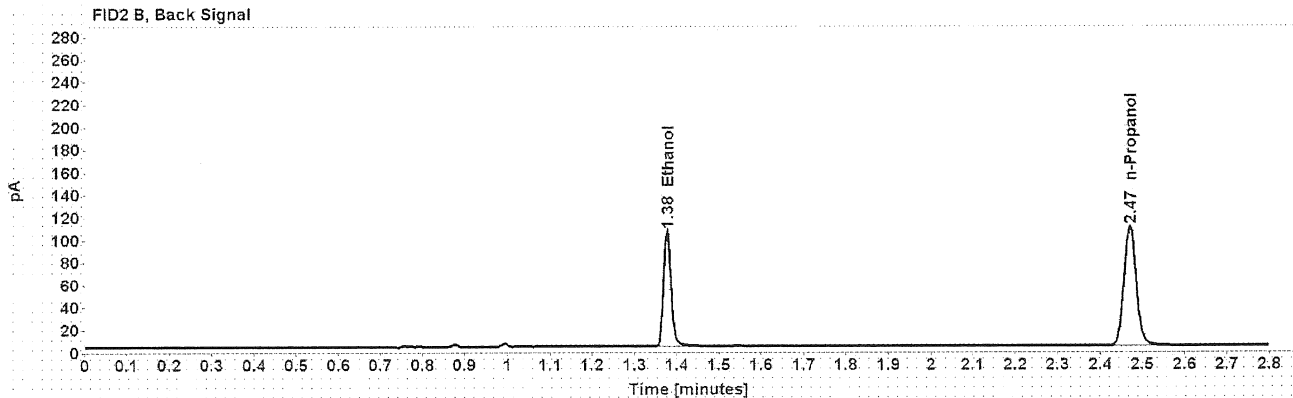
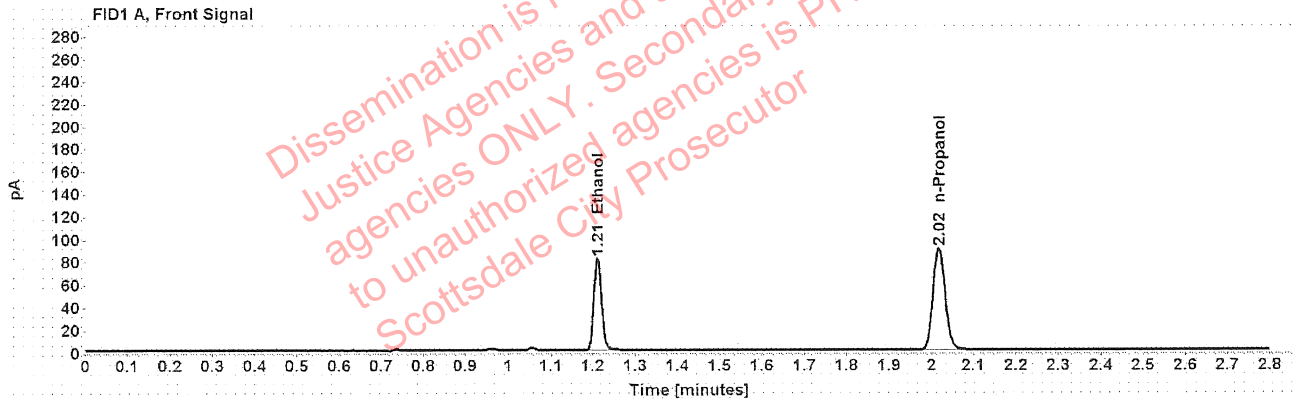


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1594	1.211	104.374
n-Propanol	-----	2.017	179.729

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

Compound	Time (min)	Peak Area
Ethanol	1.377	130.093
n-Propanol	2.470	217.586