

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 12/18/2019 SEQUENCE NAME 18Dec19

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	0.401 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.039 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	0.152 g/dL	Lipomed 09022015-C
34	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
35	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
36	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/13
37	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 11 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 18Dec19

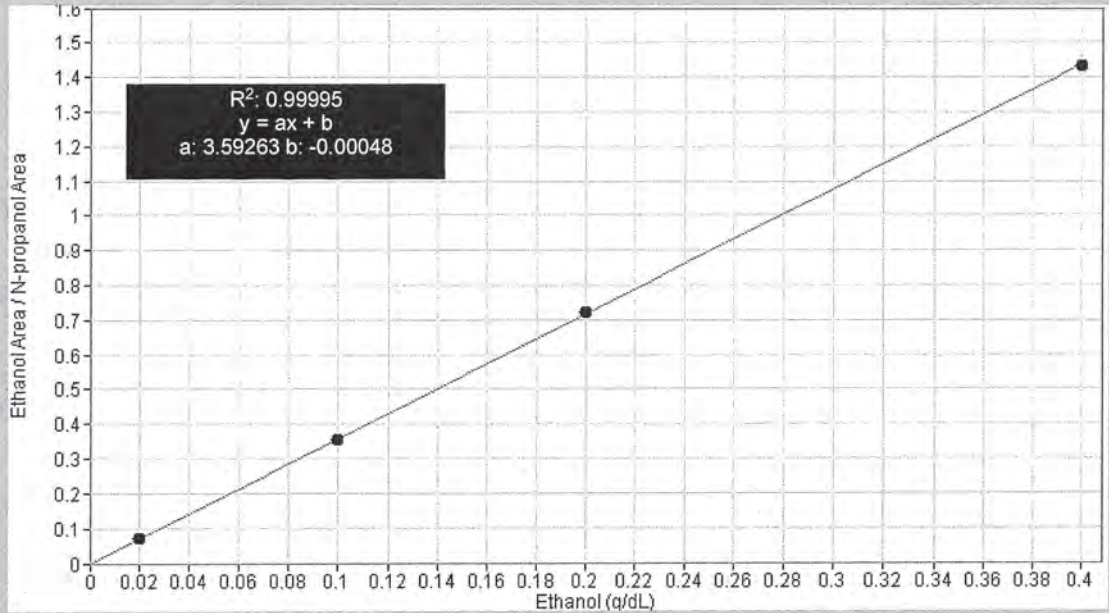
ANALYST: Canonico

EC

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 080519	5	negative	negative	-	-
0.400 11092018-A	7	0.401	0.400	0.25	0.001
0.040 09022015-A	8	0.039	0.040	2.50	-0.001
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	0.152	0.150	1.33	0.002
0.40 11092018-A	34	0.402	0.400	0.50	0.002
0.04 09022015-A	35	0.039	0.040	2.50	-0.001
0.198 407041529/13	36	0.200	0.198	1.01	0.002
blank 040919WB	37	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.140	171.662	0.071
0.100	60.608	170.495	0.356
0.200	127.889	176.589	0.724
0.400	240.860	167.924	1.434

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 18Dec19
Method: ethanol quant.M	Injection date: 12/18/2019 12:45:52 PM
Instrument: US14173023 CN14160045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\18Dec19\1.D	

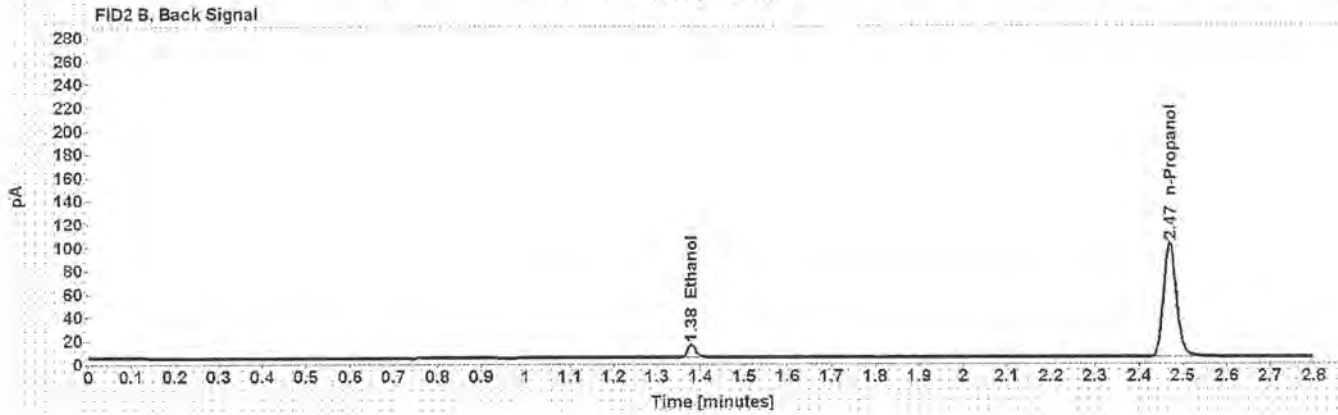
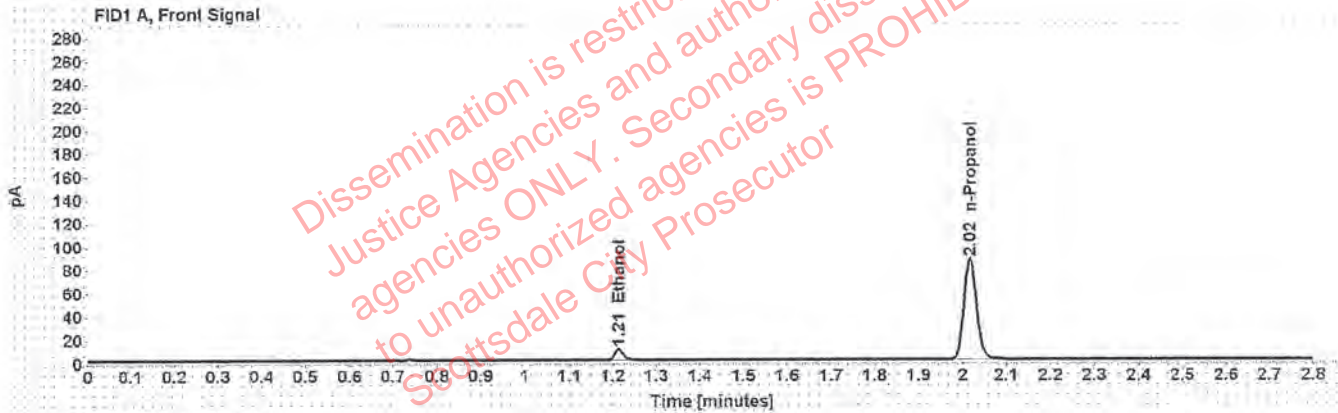


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	12.140
n-Propanol	2.016	171.662

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

Compound	Time (min)	Peak Area
Ethanol	1.379	14.649
n-Propanol	2.470	201.637

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 18Dec19
Method: ethanol quant.M	Injection date: 12/18/2019 12:49:52 PM
Instrument: US14173023 CN14160045	Analyst: Canonico ec
Data file: C:\Chem32\1\Data\18Dec19\2.D	

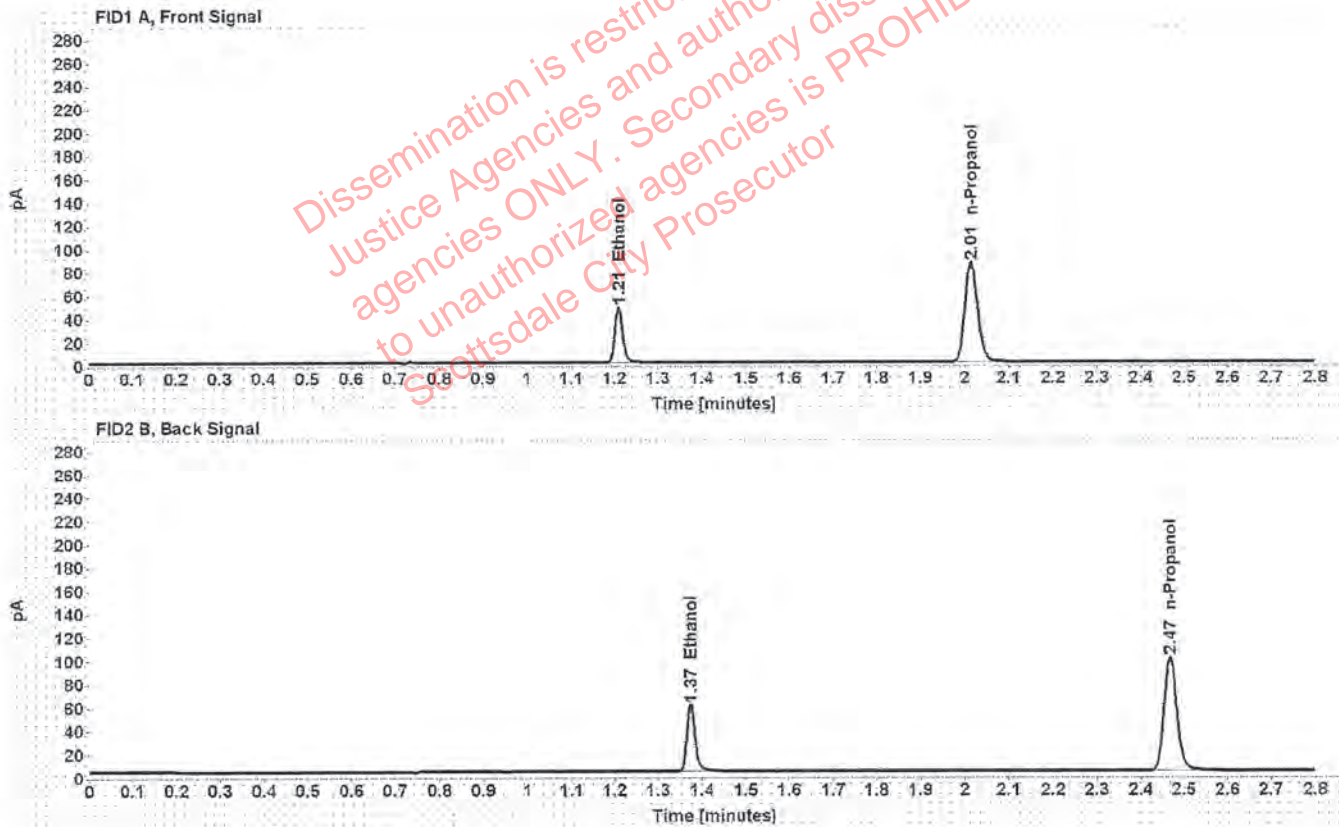


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	60.608
n-Propanol	2.015	170.495

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

Compound	Time (min)	Peak Area
Ethanol	1.374	73.730
n-Propanol	2.468	201.553

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 18Dec19
Method: ethanol quant.M	Injection date: 12/18/2019 12:53:52 PM
Instrument: US14173023 CN14160045	Analyst: Canonico EC
Data file: C:\Chem32\1\Data\18Dec19\3.D	

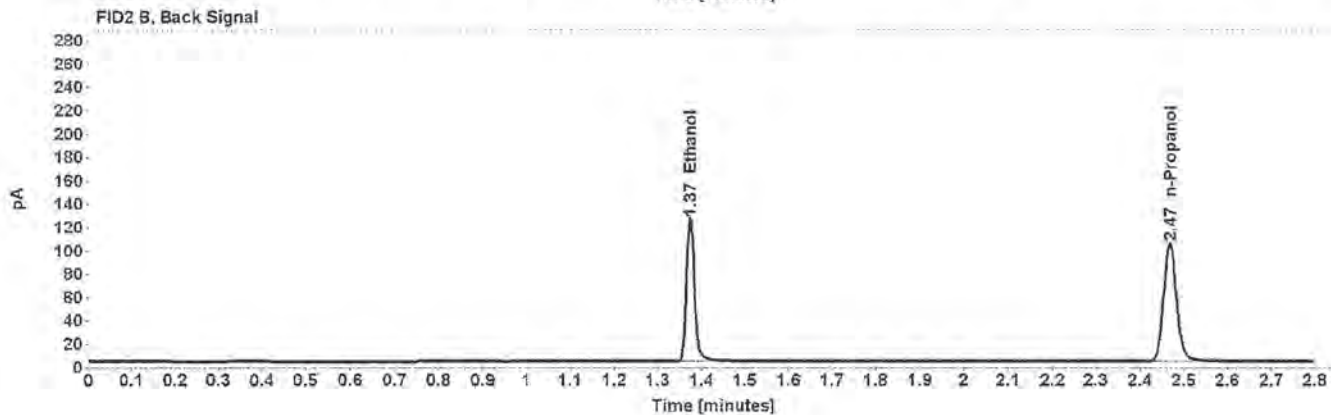
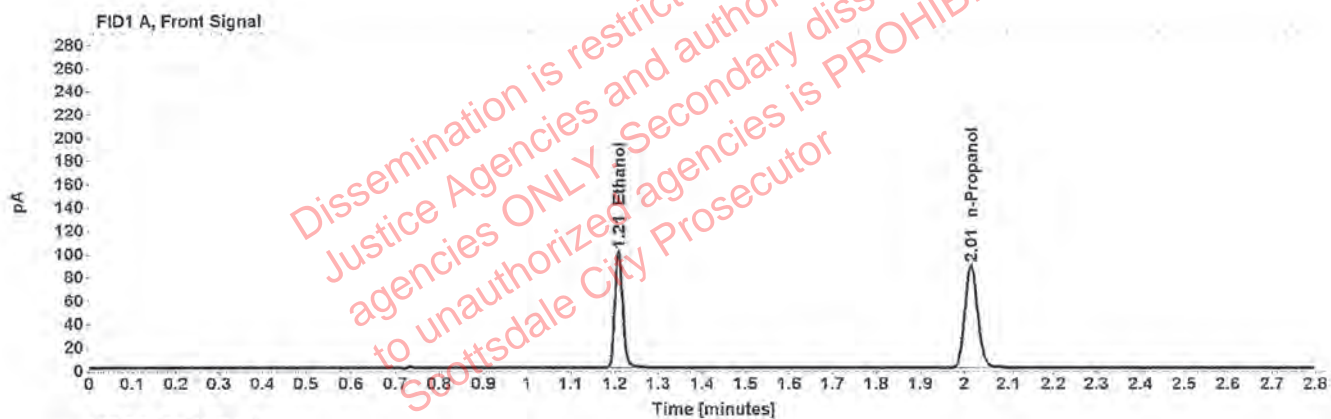


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	127.889
n-Propanol	2.015	176.589

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

Compound	Time (min)	Peak Area
Ethanol	1.374	156.247
n-Propanol	2.468	209.214

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 18Dec19
Method: ethanol quant.M	Injection date: 12/18/2019 12:57:52 PM
Instrument: US14173023 CN14160045	Analyst: Canonico ec
Data file: C:\Chem32\1\Data\18Dec19\4.D	

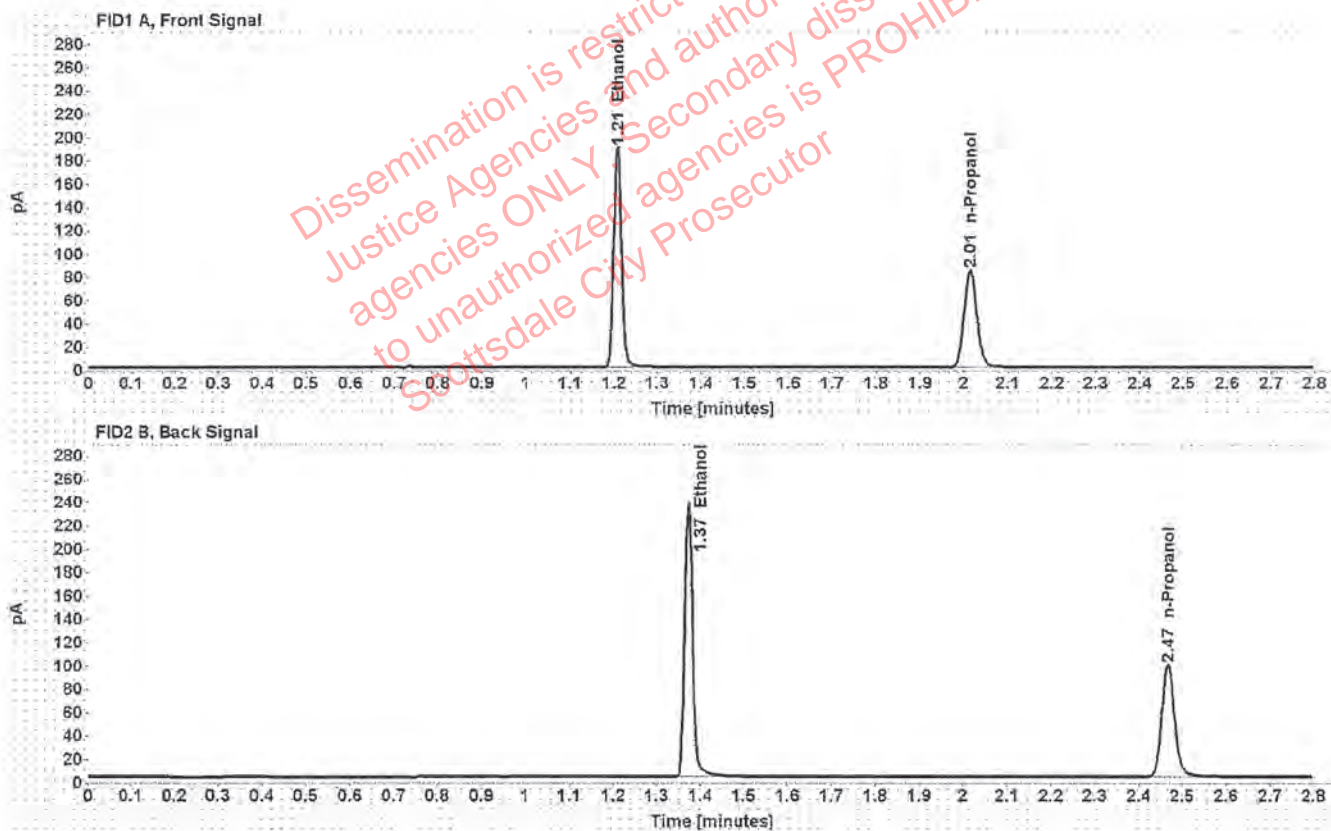


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	240.860
n-Propanol	2.014	167.924

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

Compound	Time (min)	Peak Area
Ethanol	1.373	296.161
n-Propanol	2.467	199.389

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 080519	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 1:01:52 PM
Data file: C:\Chem32\1\Data\18Dec19\5.D	Analyst: Canonico <i>CC</i>

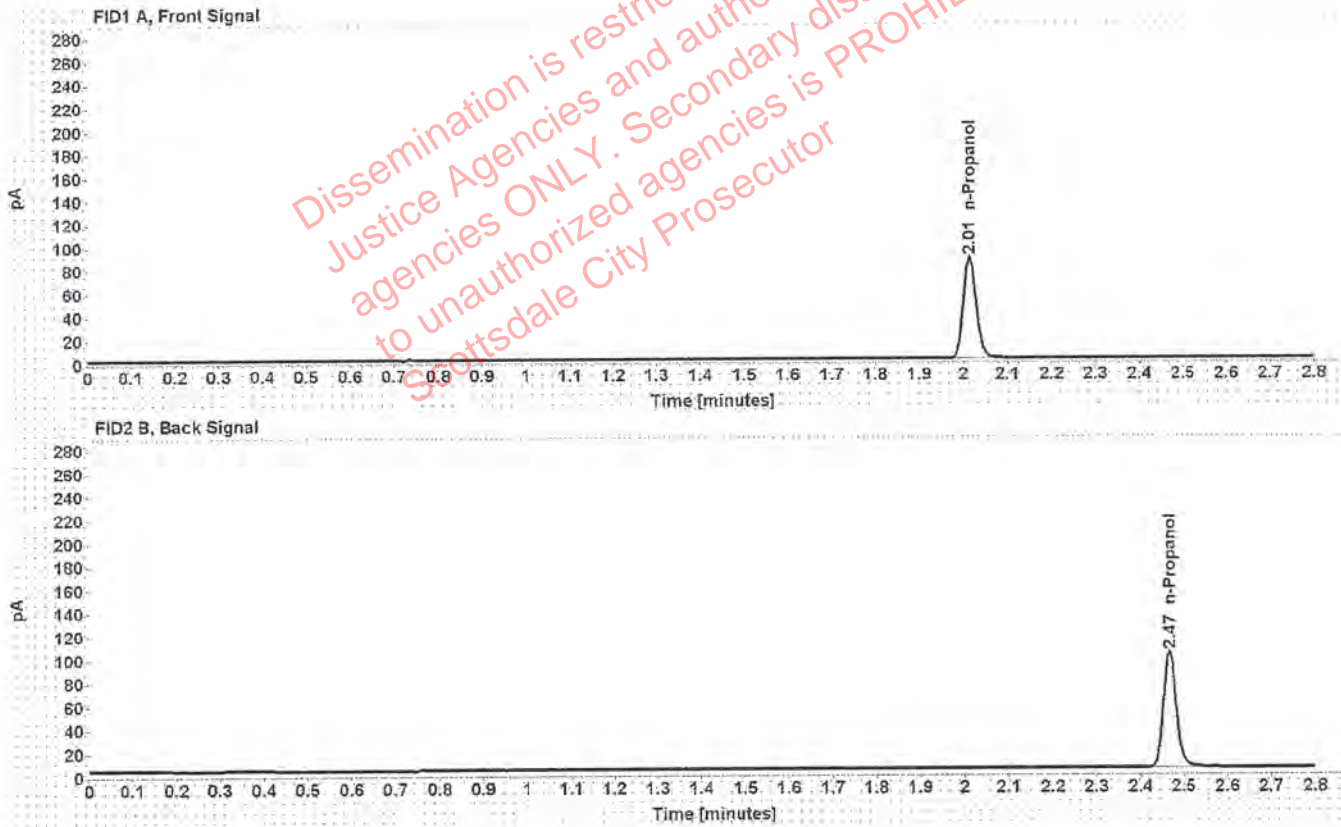


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	174.342

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	206.103

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 1:05:52 PM
Data file: C:\Chem32\1\Data\18Dec19\6.D	Analyst: Canonico <i>EC</i>

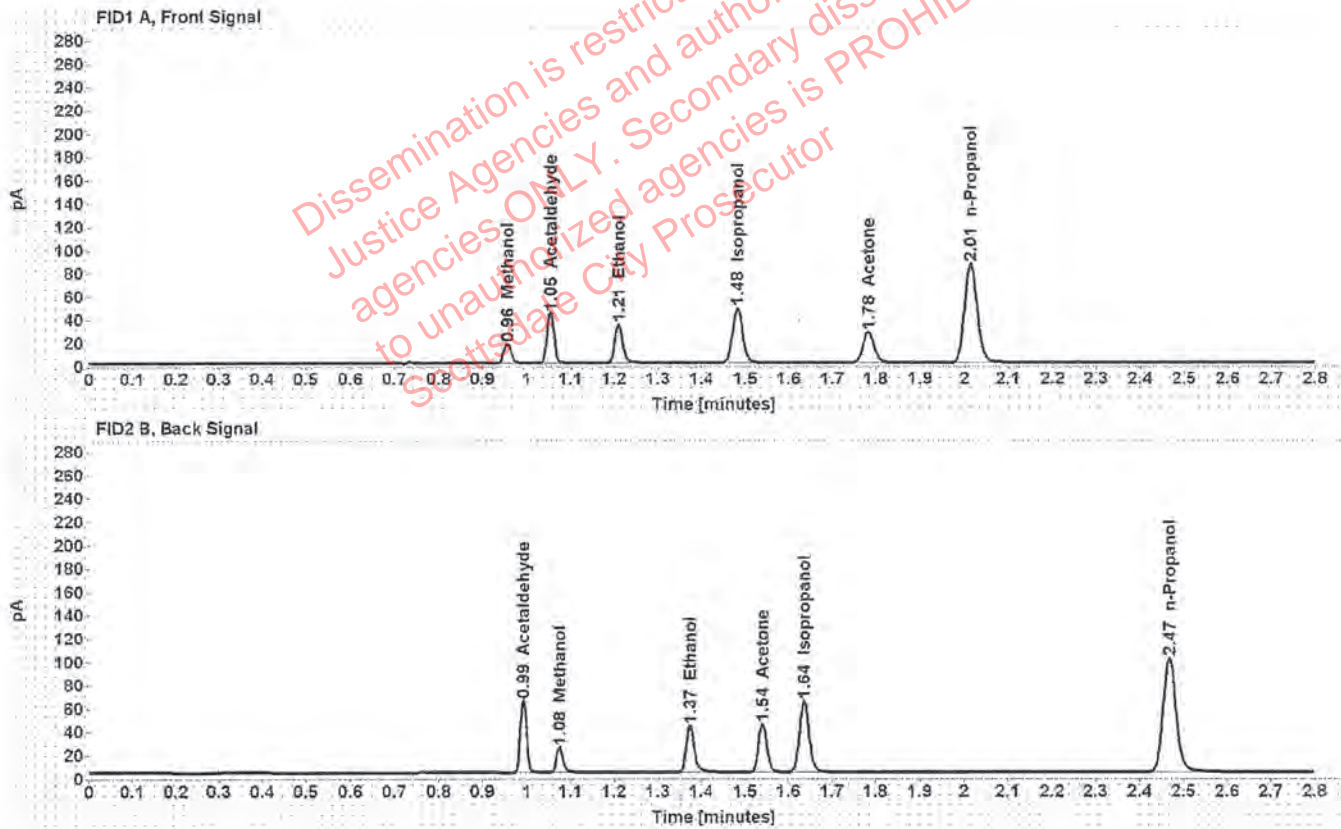


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.827
Acetaldehyde	-----	1.054	47.952
>Ethanol	0.0700	1.209	42.892
Isopropanol	-----	1.482	76.061
Acetone	-----	1.782	46.036
n-Propanol	-----	2.014	170.886

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	61.351
Methanol	1.075	23.703
Ethanol	1.374	52.040
Acetone	1.540	55.261
Isopropanol	1.636	94.912
n-Propanol	2.467	203.275

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 1:10:07 PM
Data file: C:\Chem32\1\Data\18Dec19\7.D	Analyst: Canonico <i>EC</i>

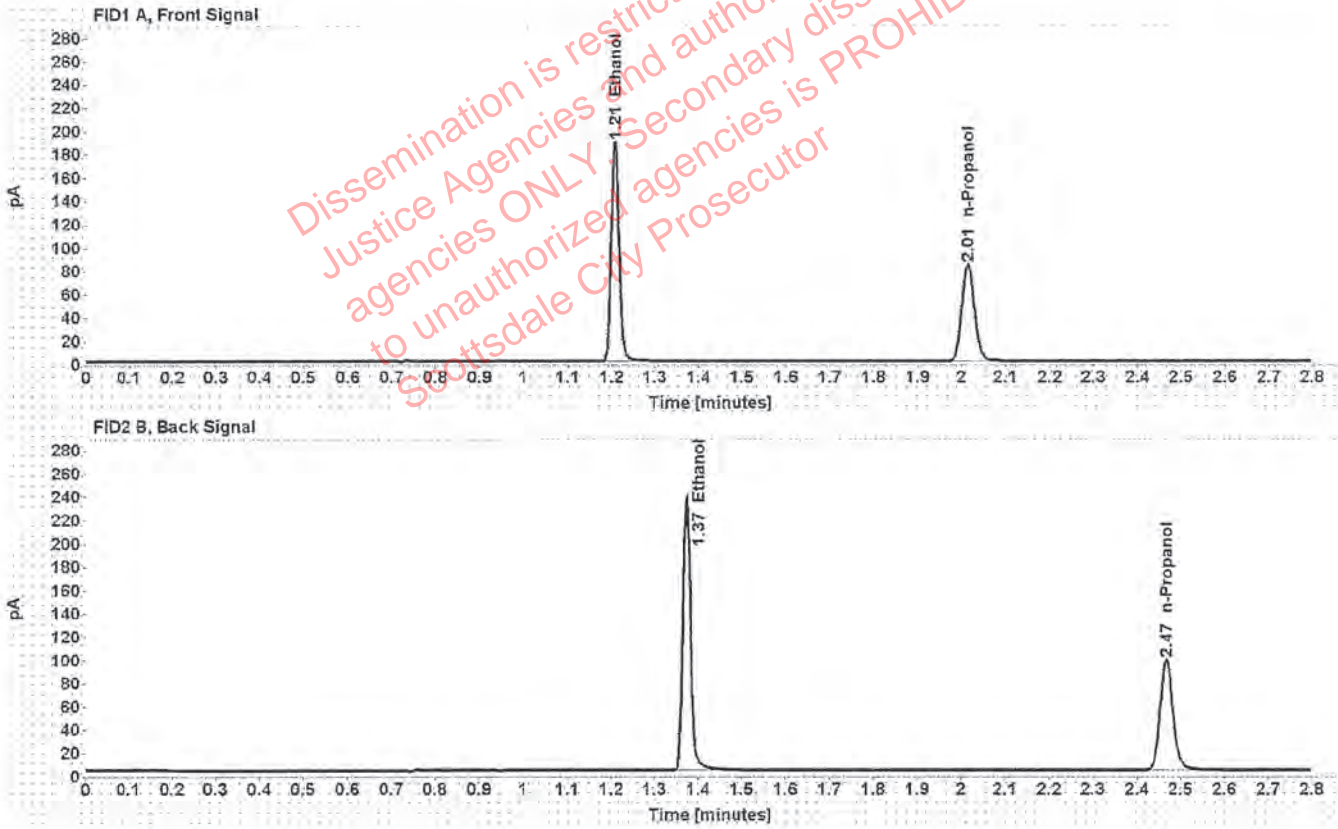


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4015	1.208	240.057
n-Propanol	-----	2.014	166.490

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

Compound	Time (min)	Peak Area
Ethanol	1.373	295.725
n-Propanol	2.467	197.610

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 1:14:08 PM
Data file: C:\Chem32\1\Data\18Dec19\8.D	Analyst: Canonico <i>EC</i>

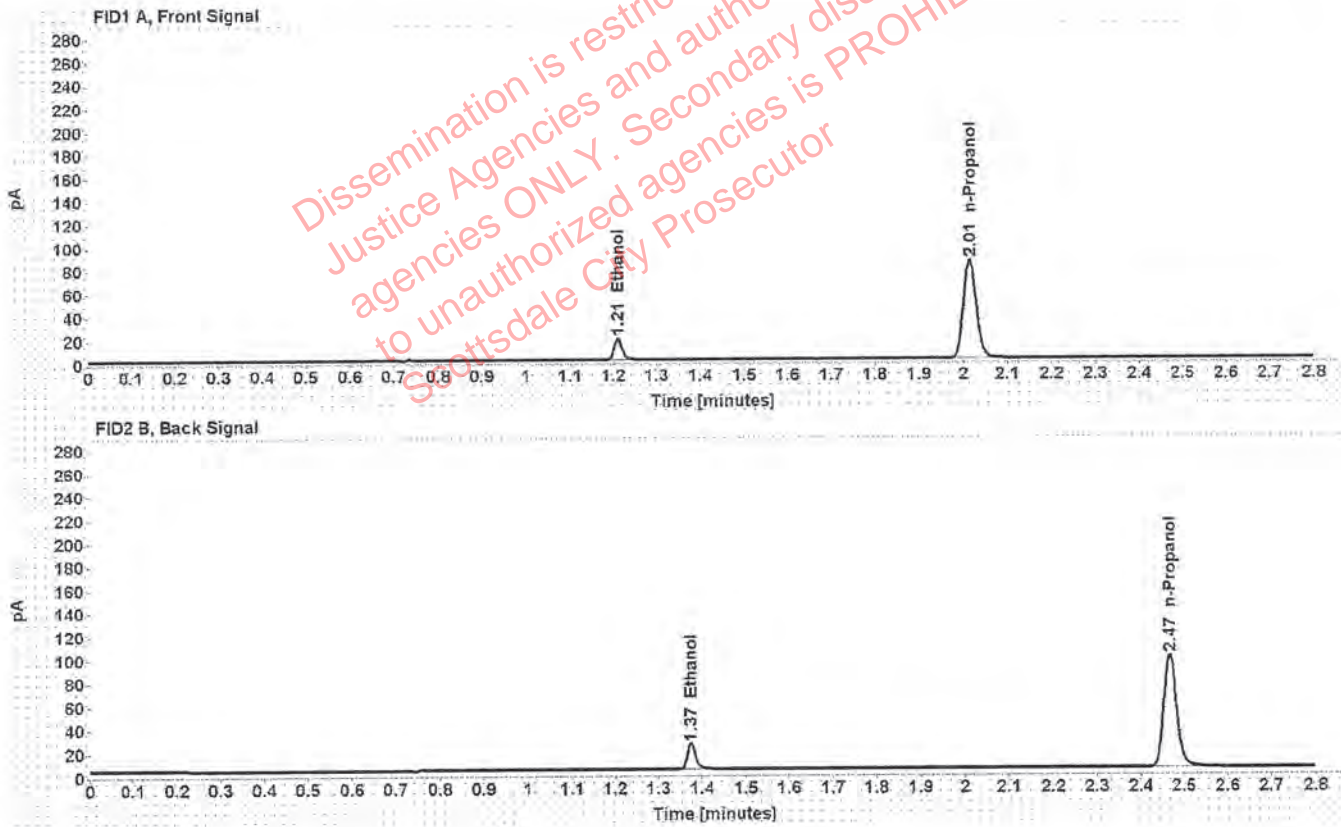


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0390	1.210	23.703
n-Propanol	-----	2.014	169.750

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

Compound	Time (min)	Peak Area
Ethanol	1.375	28.536
n-Propanol	2.467	201.052

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 1:18:07 PM
Data file: C:\Chem32\1\Data\18Dec19\9.D	Analyst: Canonico <i>EC</i>

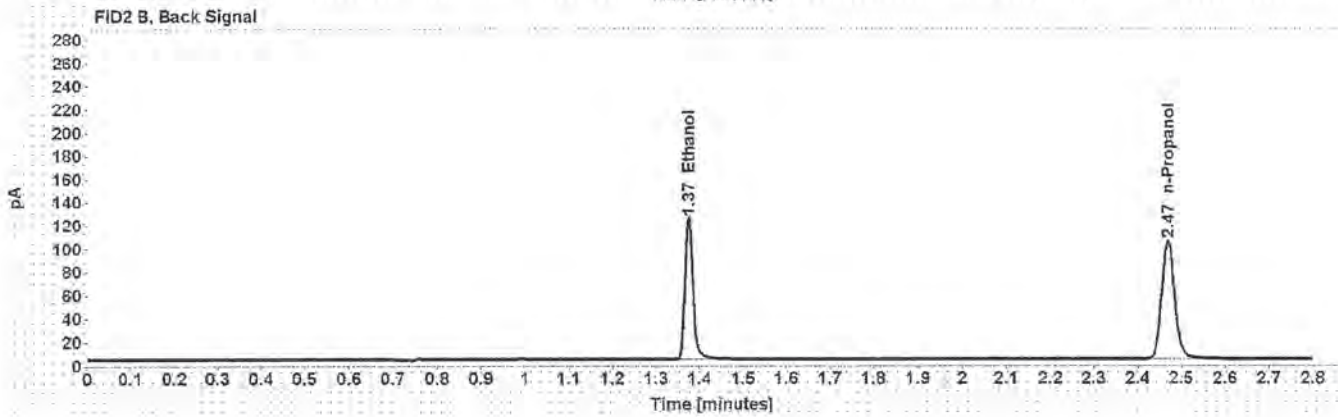
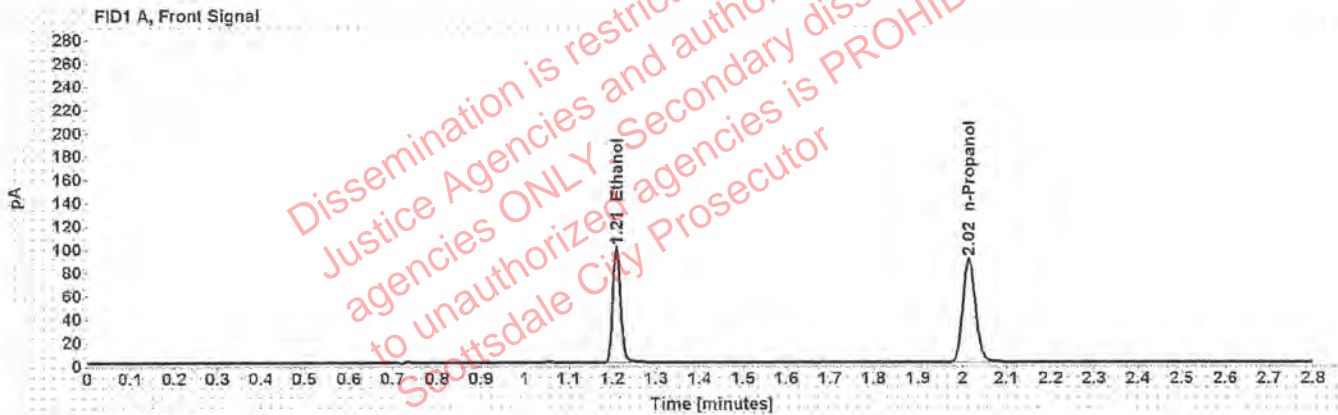


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1992	1.209	127.042
n-Propanol	-----	2.015	177.659

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

Compound	Time (min)	Peak Area
Ethanol	1.375	155.701
n-Propanol	2.469	210.795

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 2:02:37 PM
Data file: C:\Chem32\1\Data\18Dec19\20.D	Analyst: Canonico EC

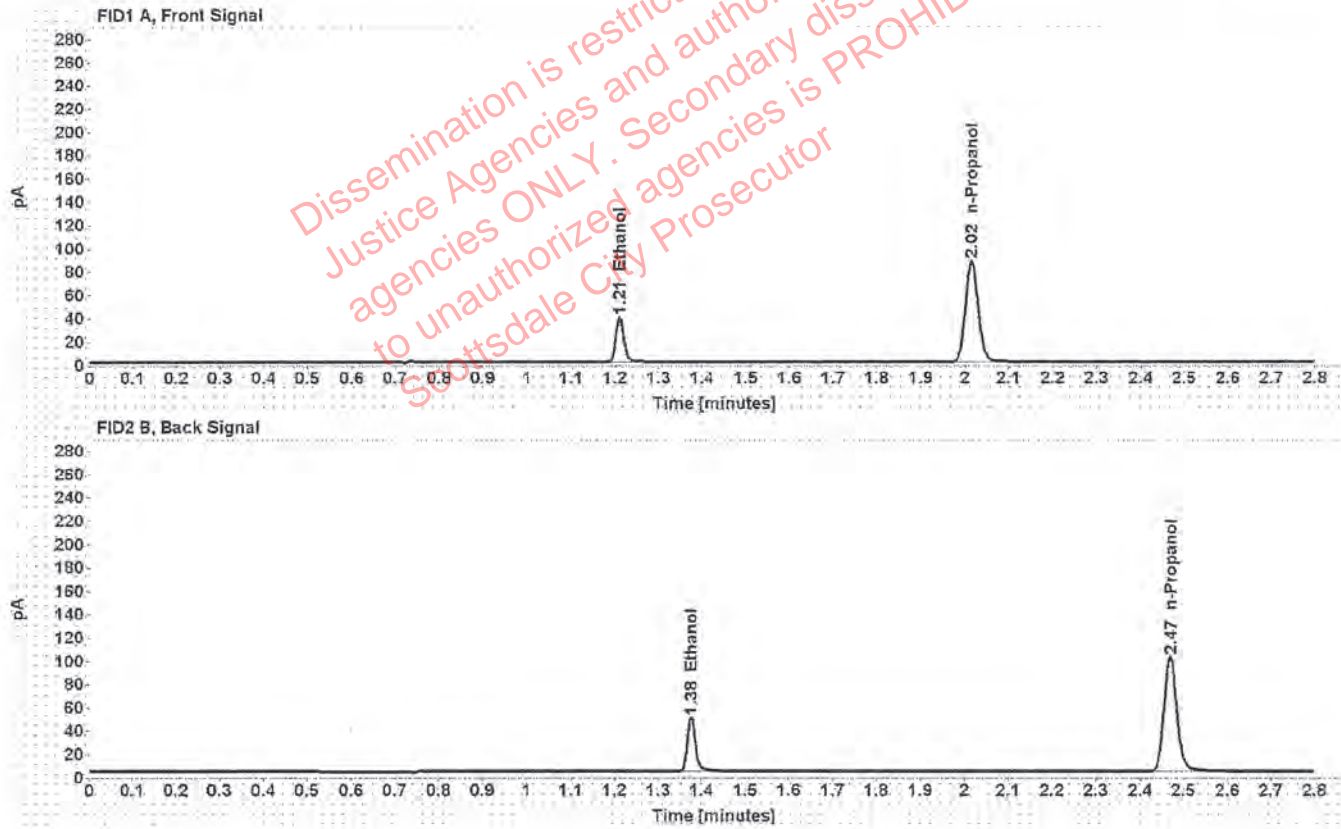


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0800	1.210	49.812
n-Propanol	-----	2.015	173.615

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

Compound	Time (min)	Peak Area
Ethanol	1.376	60.591
n-Propanol	2.469	205.945

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 2:47:08 PM
Data file: C:\Chem32\1\Data\18Dec19\31.D	Analyst: Canonico EC

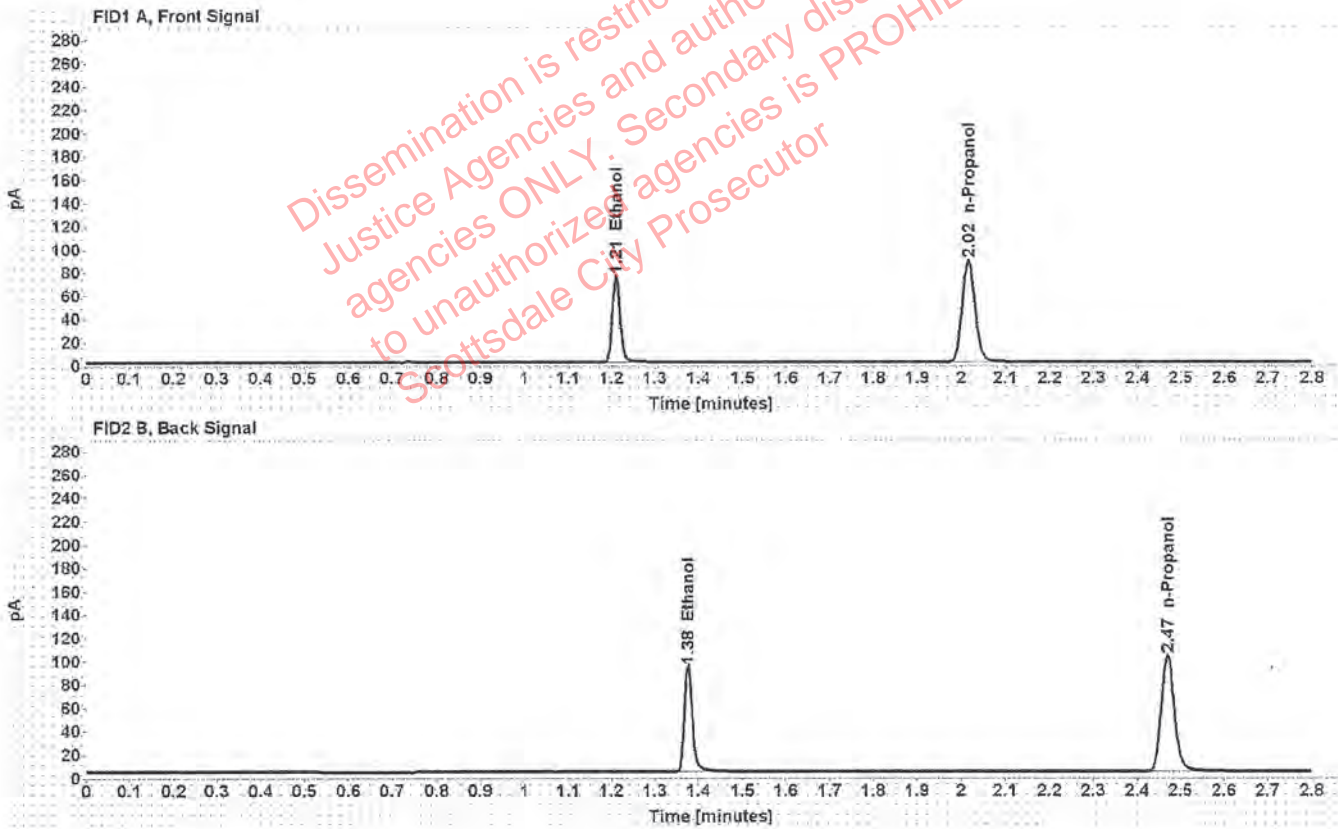


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1523	1.210	95.958
n-Propanol	-----	2.016	175.546

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

Compound	Time (min)	Peak Area
Ethanol	1.376	117.109
n-Propanol	2.470	208.859

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 34
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 2:59:07 PM
Data file: C:\Chem32\1\Data\18Dec19\34.D	Analyst: Canonico <i>EC</i>

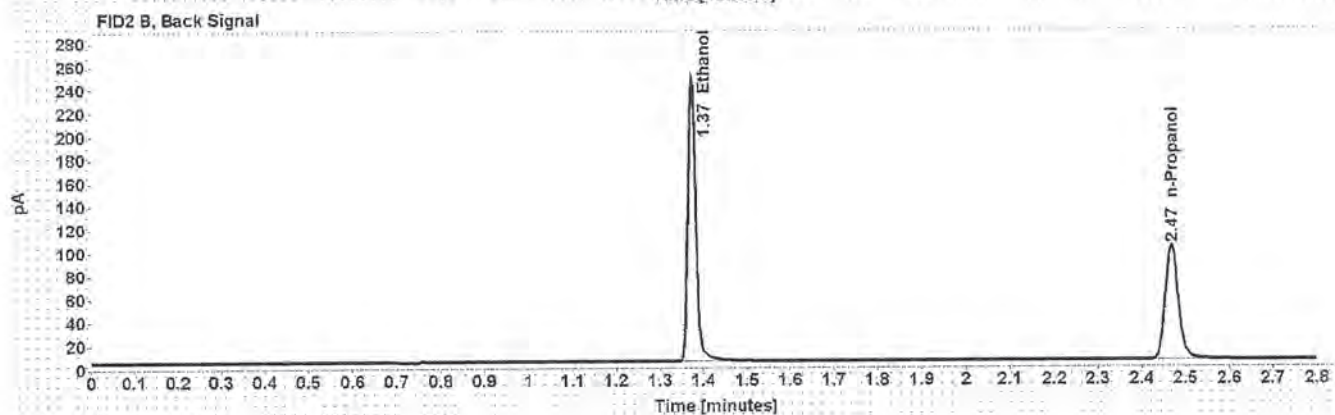
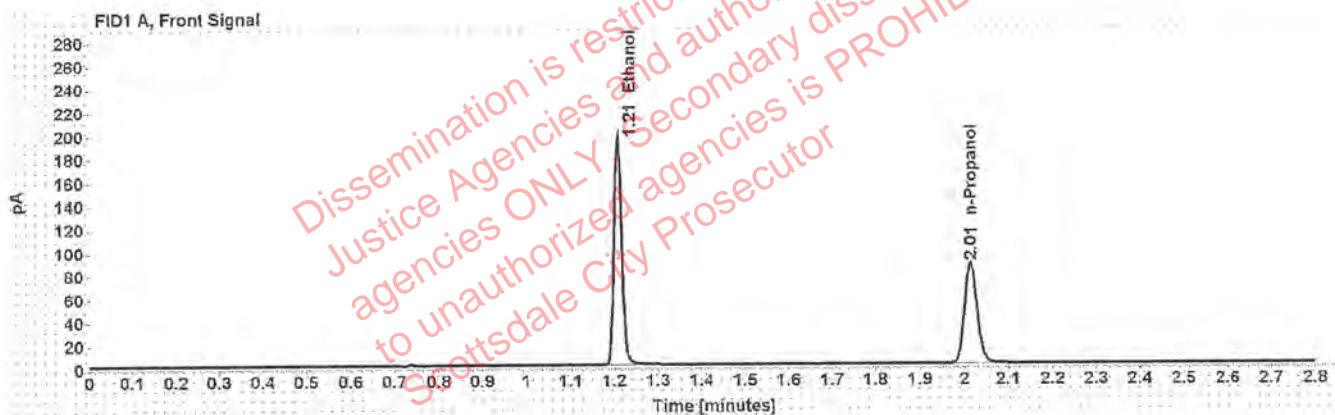


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4026	1.208	249.202
n-Propanol	-----	2.015	172.351

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

Compound	Time (min)	Peak Area
Ethanol	1.373	307.900
n-Propanol	2.468	205.885

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 35
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 3:03:08 PM
Data file: C:\Chem32\1\Data\18Dec19\35.D	Analyst: Canonico <i>ec</i>

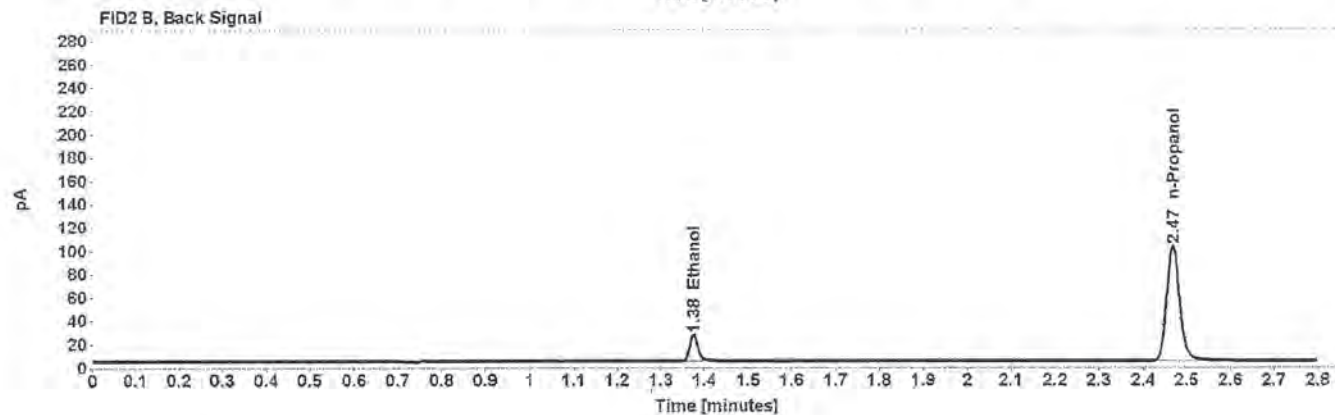


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0393	1.210	24.299
n-Propanol	-----	2.015	172.662

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

Compound	Time (min)	Peak Area
Ethanol	1.375	29.404
n-Propanol	2.468	205.161

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	407041529/13	Vial:	36
Description:	0.198	LIMS ID:	
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 3:07:08 PM
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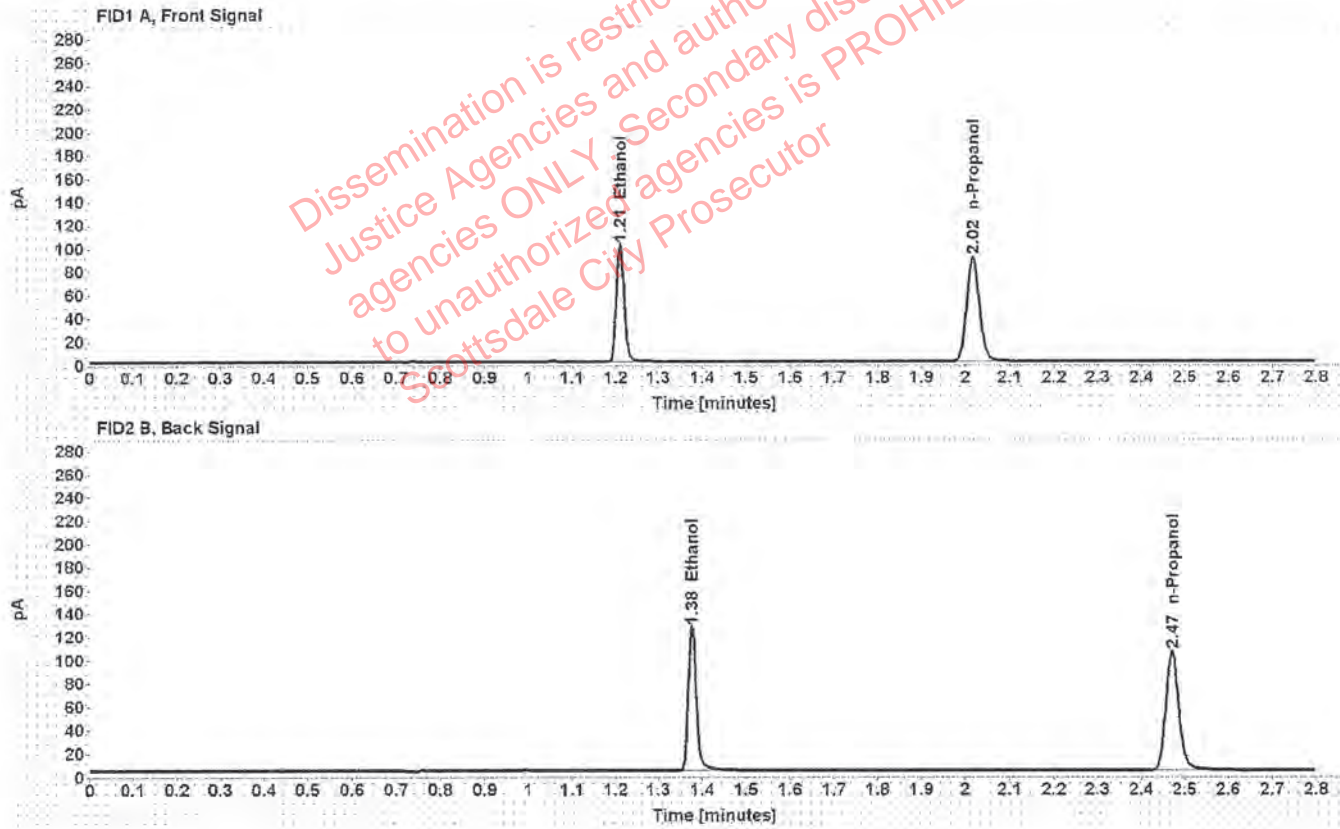


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2009	1.210	129.304
n-Propanol	-----	2.016	179.258

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

Compound	Time (min)	Peak Area
Ethanol	1.377	158.438
n-Propanol	2.471	213.472

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 37
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 18Dec19
Instrument: US14173023 CN14160045	Injection date: 12/18/2019 3:11:23 PM
Data file: C:\Chem32\1\Data\18Dec19\37.D	Analyst: Canonico <i>EC</i>

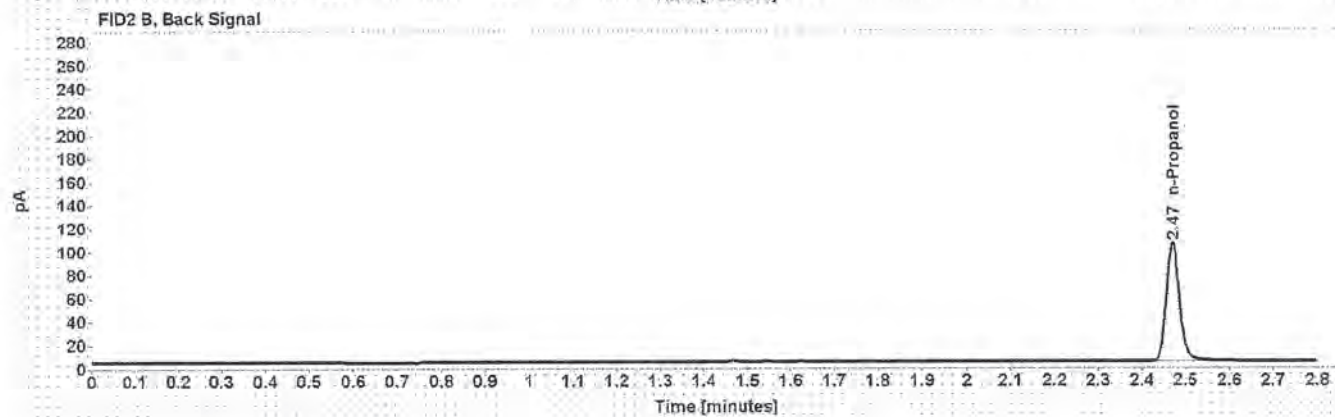
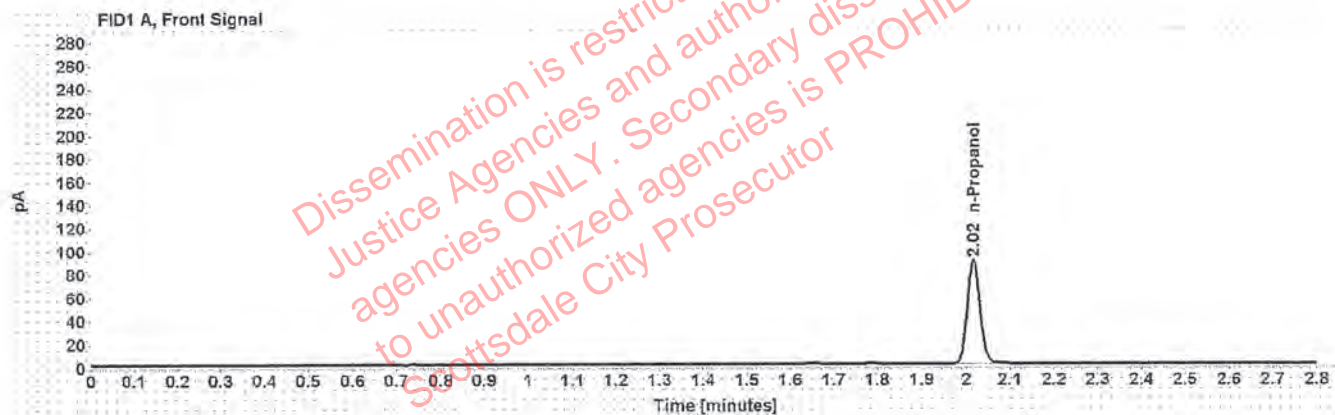


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	178.411

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	212.778

Sequence Summary

Sequence name: 18Dec19 Instrument: US14173023 CN14160045 Analyst: Canonico EQ

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	11092018-A	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	1292323		Sample		ethanol quant.M
11	1292323		Sample		ethanol quant.M
12	1297886		Sample		ethanol quant.M
13	1297886		Sample		ethanol quant.M
14	1276595		Sample		ethanol quant.M
15	1276595		Sample		ethanol quant.M
16	1269337		Sample		ethanol quant.M
17	1269337		Sample		ethanol quant.M
18	1296588		Sample		ethanol quant.M
19	1296588		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1280365		Sample		ethanol quant.M
22	1280365		Sample		ethanol quant.M
23	1283941		Sample		ethanol quant.M
24	1283941		Sample		ethanol quant.M
25	1298270		Sample		ethanol quant.M
26	1298270		Sample		ethanol quant.M
27	1298178		Sample		ethanol quant.M
28	1298178		Sample		ethanol quant.M
29	1298378		Sample		ethanol quant.M
30	1298378		Sample		ethanol quant.M
31	09022015-C	0.150	Control		ethanol quant.M
32	1298045		Sample		ethanol quant.M
33	1298045		Sample		ethanol quant.M
34	11092018-A	0.400	Control		ethanol quant.M
35	09022015-A	0.040	Control		ethanol quant.M
36	407041529/13	0.198	Control		ethanol quant.M
37	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: 18Dec19

ANALYST: Canonico EL

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2326	0.2346	0.23360	0.43	0.00100
12 13	0.0576	0.0582	0.05790	0.52	0.00030
14 15	0.1554	0.1545	0.15495	0.29	0.00045
16 17	0.1185	0.1198	0.11915	0.55	0.00065
18 19	0.1436	0.1432	0.14340	0.14	0.00020
21 22	0.1633	0.1628	0.16305	0.15	0.00025
23 24	0.1251	0.1232	0.12415	0.77	0.00095
25 26	0.2304	0.2318	0.23110	0.30	0.00070
27 28	0.2536	0.2551	0.25435	0.29	0.00075
29 30	0.1055	0.1056	0.10555	0.05	0.00005
32 33	0.1694	0.1698	0.16960	0.12	0.00020

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

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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292323	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:22:08 PM
Data file:	C:\Chem32\1\Data\18Dec19\10.D	Analyst:	Canonico

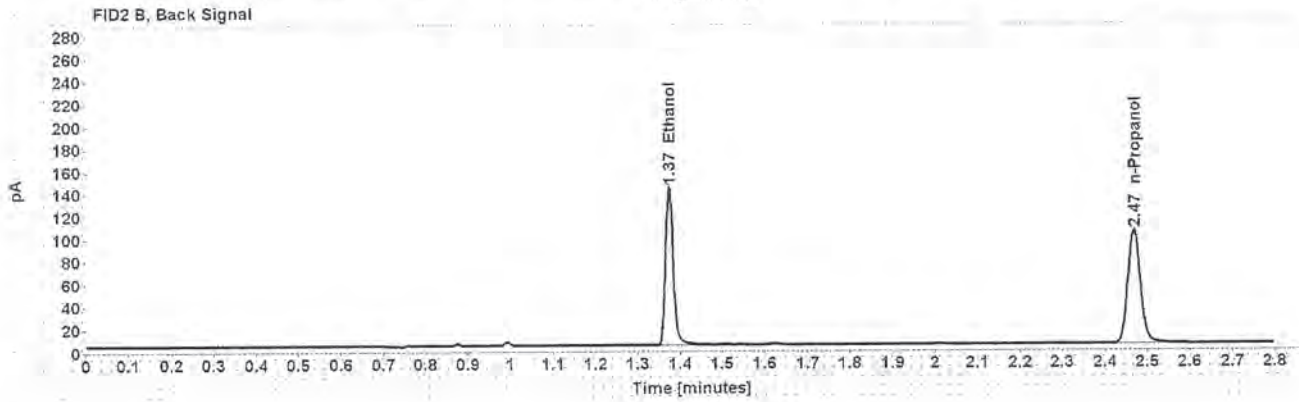
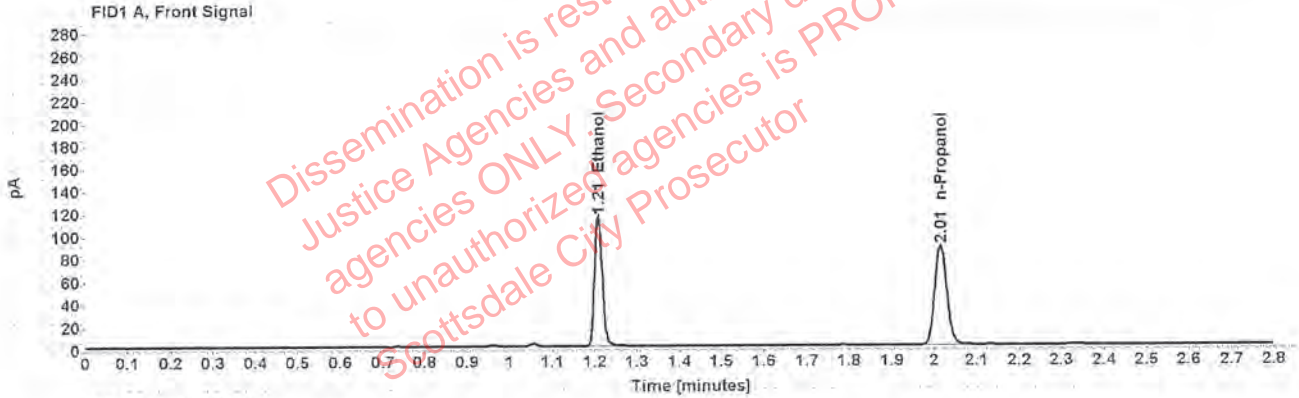


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2326	1.208	146.518
n-Propanol	-----	2.015	175.470

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

Compound	Time (min)	Peak Area
Ethanol	1.374	180.566
n-Propanol	2.468	209.374

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292323	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:26:07 PM
Data file:	C:\Chem32\11\Data\18Dec19\11.D	Analyst:	Canonico

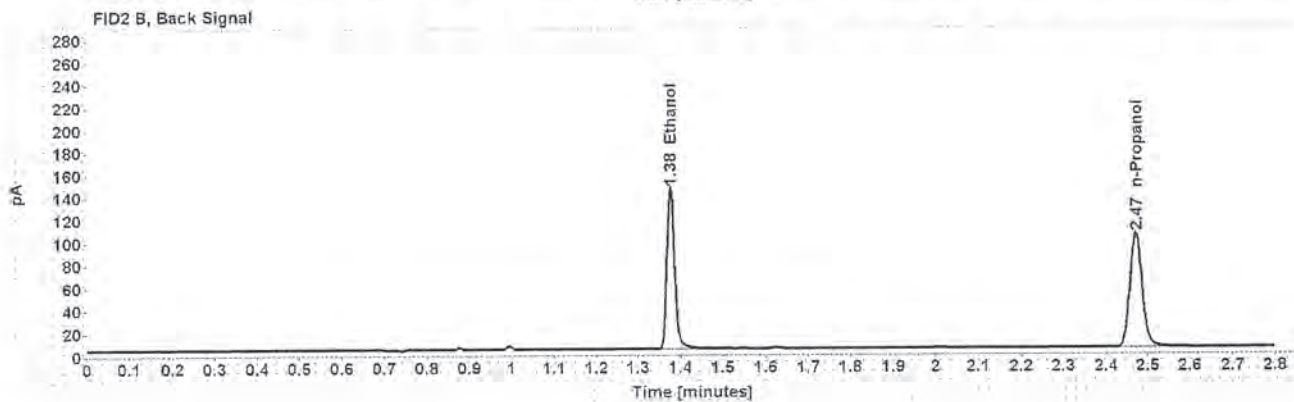
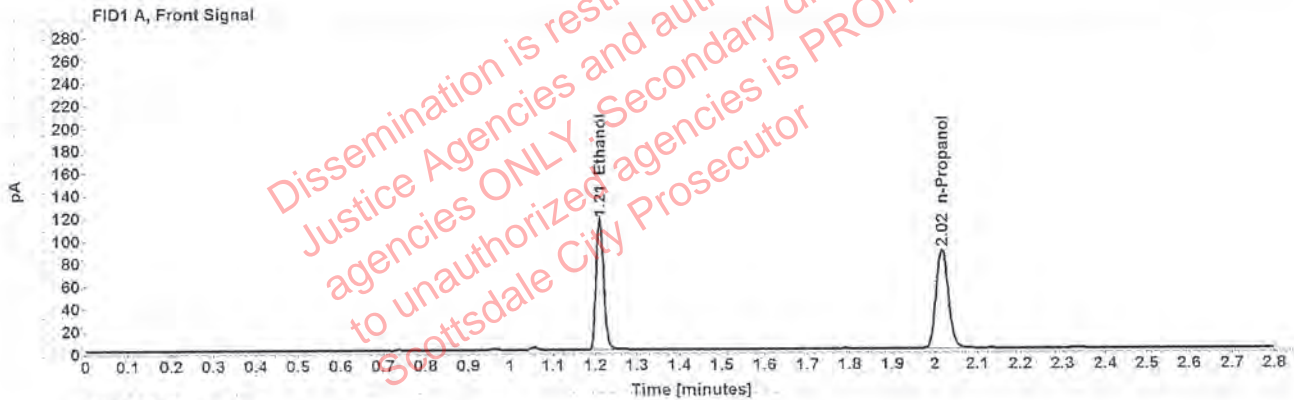


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2346	1.210	148.195
n-Propanol	-----	2.017	175.894

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

Compound	Time (min)	Peak Area
Ethanol	1.377	182.784
n-Propanol	2.471	209.465

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297886	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:30:07 PM
Data file:	C:\Chem32\1\Data\18Dec19\12.D	Analyst:	Canonico

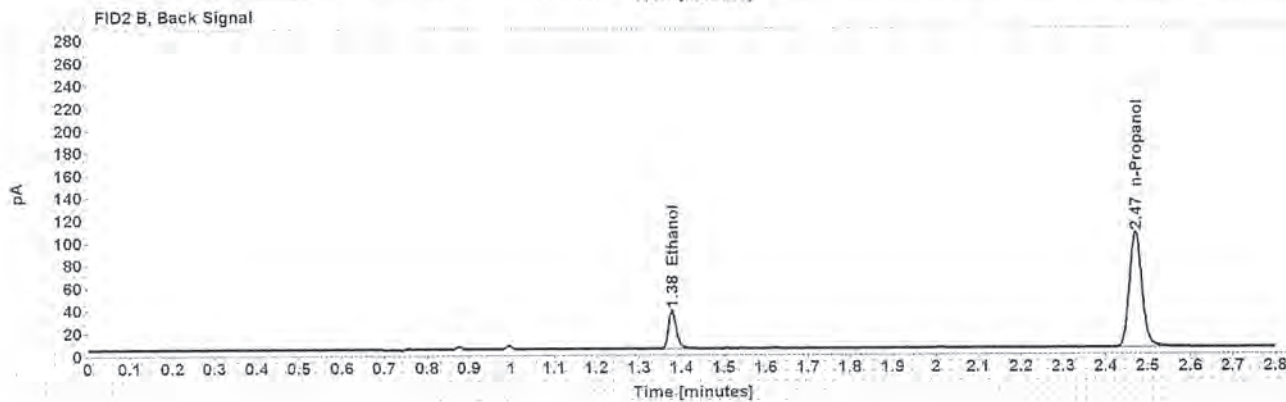
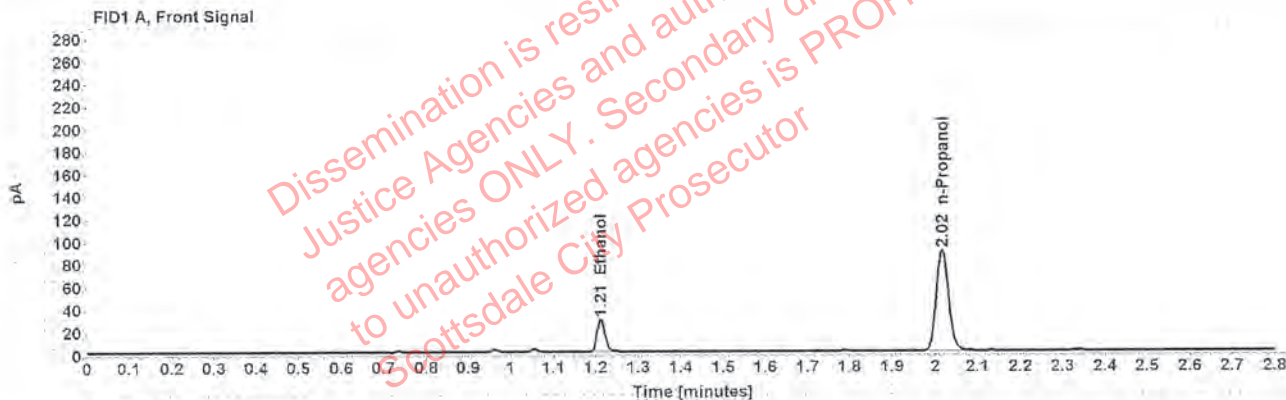


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0576	1.212	36.786
n-Propanol	-----	2.016	178.189

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

Compound	Time (min)	Peak Area
Ethanol	1.378	44.335
n-Propanol	2.471	212.402

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297886	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:34:22 PM
Data file:	C:\Chem32\1\Data\18Dec19\13.D	Analyst:	Canonico

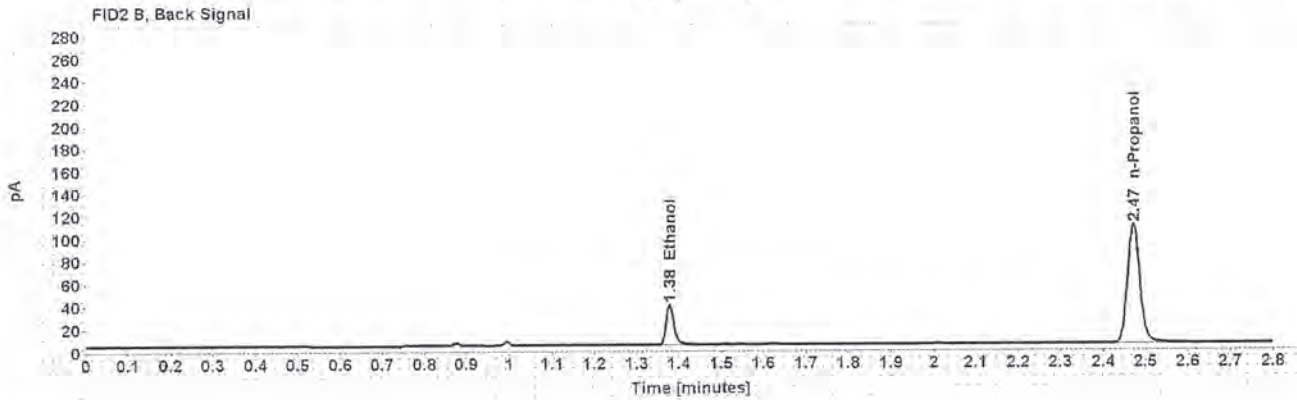
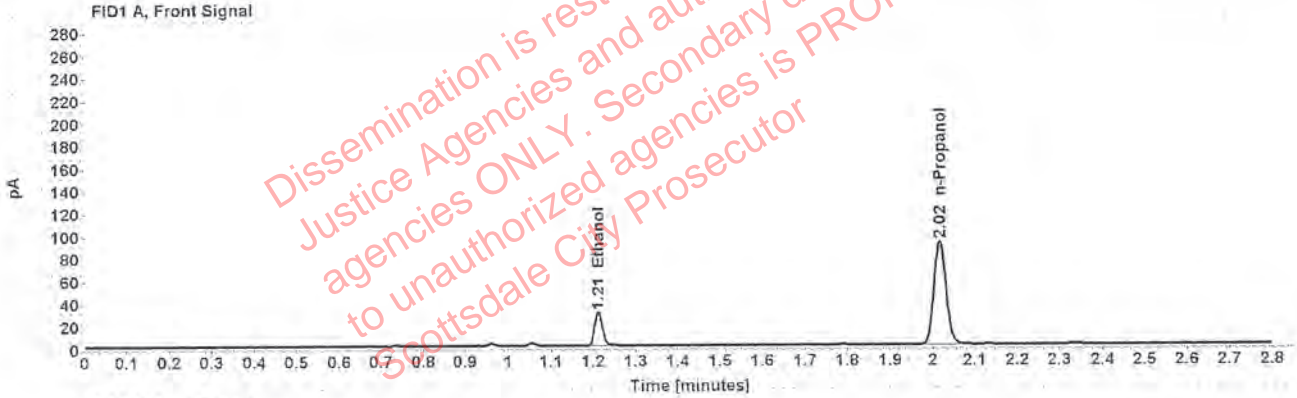


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0582	1.212	38.324
n-Propanol	-----	2.016	183.640

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

Compound	Time (min)	Peak Area
Ethanol	1.378	46.230
n-Propanol	2.471	218.808

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1276595	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:38:22 PM
Data file:	C:\Chem32\1\Data\18Dec19\14.D	Analyst:	Canonico

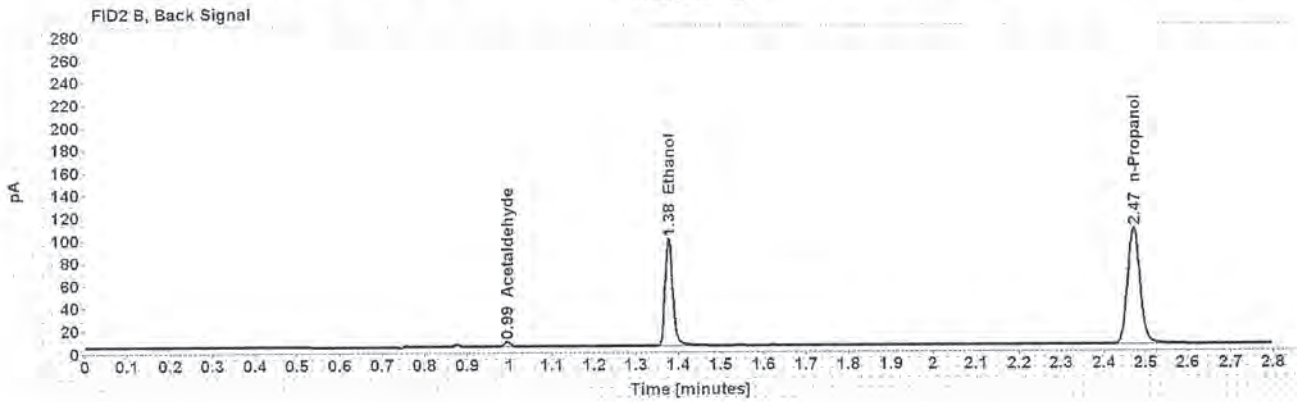
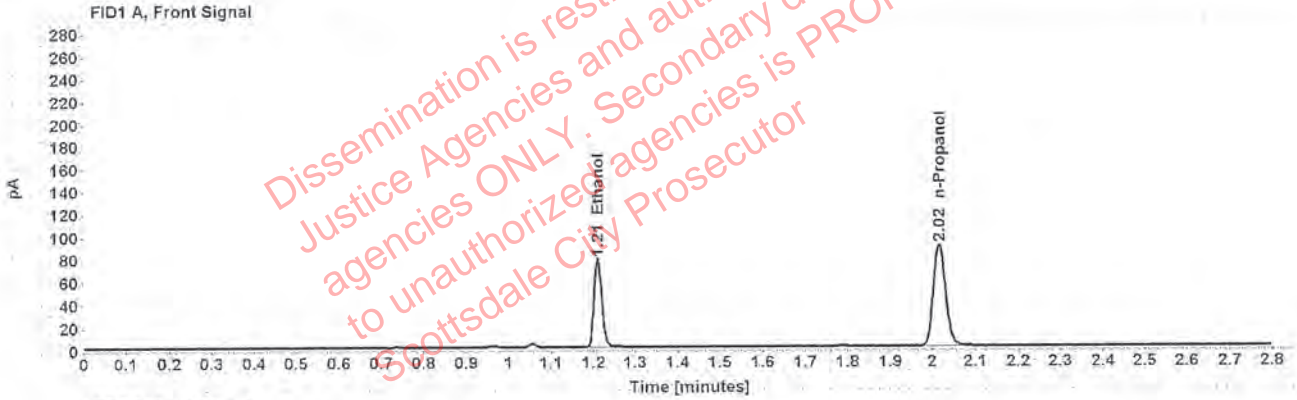


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1554	1.211	100.248
n-Propanol	-----	2.016	179.738

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.198
Ethanol	1.377	121.551
n-Propanol	2.471	214.147

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1276595	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:42:22 PM
Data file:	C:\Chem32\1\Data\18Dec19\15.D	Analyst:	Canonico

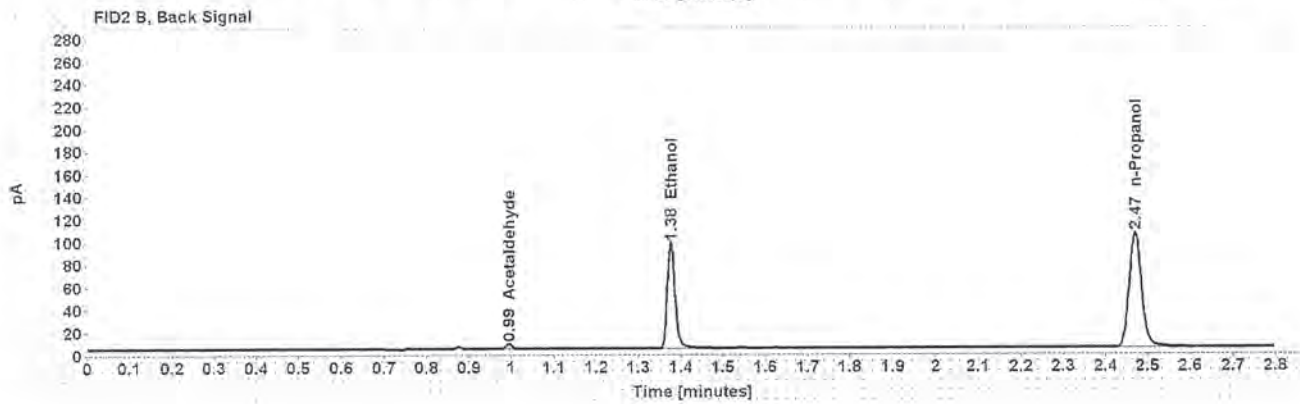
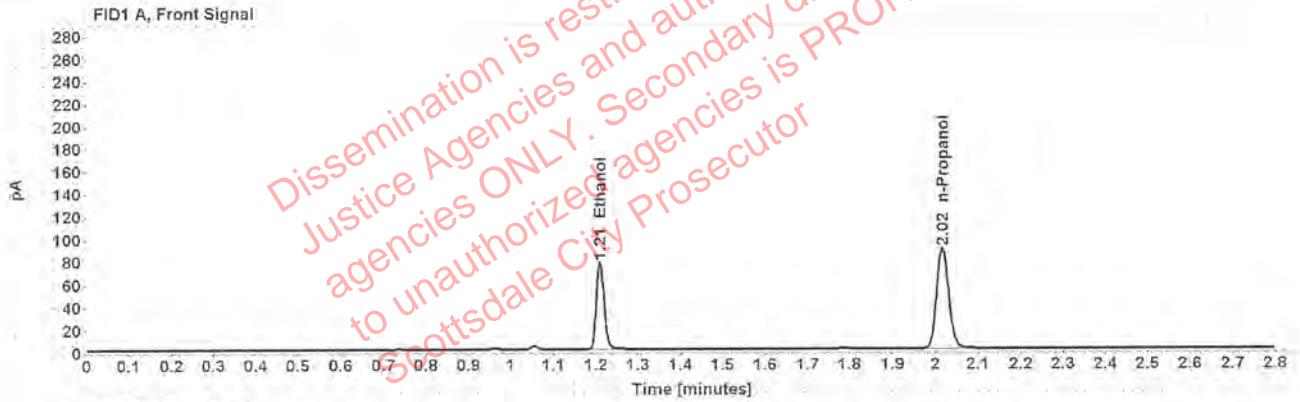


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1545	1.210	98.488
n-Propanol	-----	2.016	177.639

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.235
Ethanol	1.377	120.021
n-Propanol	2.470	211.551

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1269337	Vial:	16
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:46:22 PM
Data file:	C:\Chem32\1\Data\18Dec19\16.D	Analyst:	Canonico

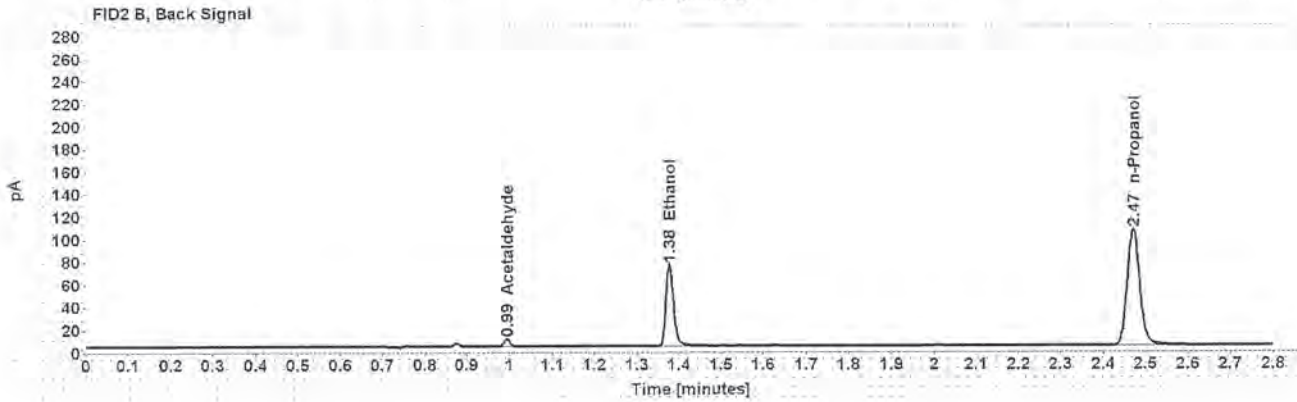
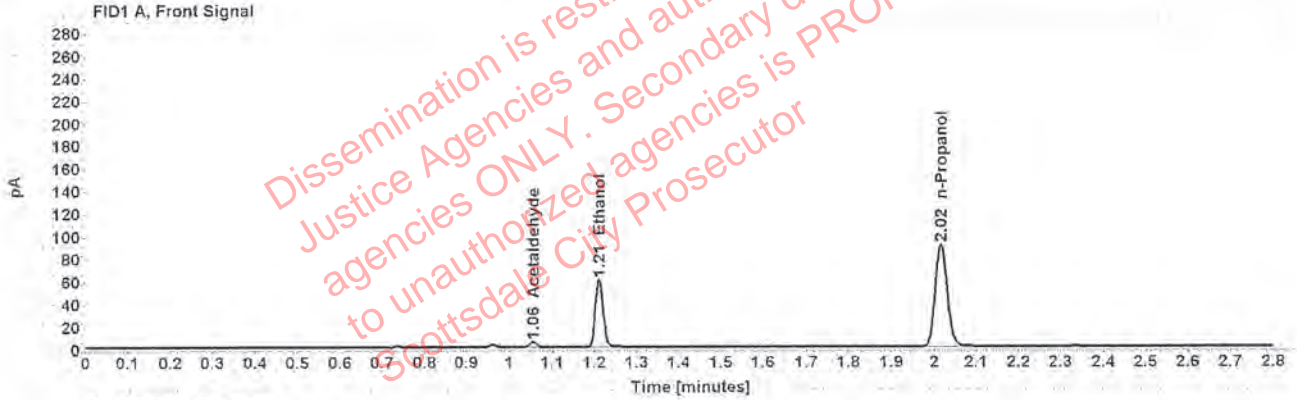


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.889
>Ethanol	0.1185	1.211	76.547
n-Propanol	-----	2.016	179.960

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	6.379
Ethanol	1.377	94.832
n-Propanol	2.471	214.935

Case: [REDACTED] User: ecanonico 12/18/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1269337	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:50:22 PM
Data file:	C:\Chem32\1\Data\18Dec19\17.D	Analyst:	Canonico

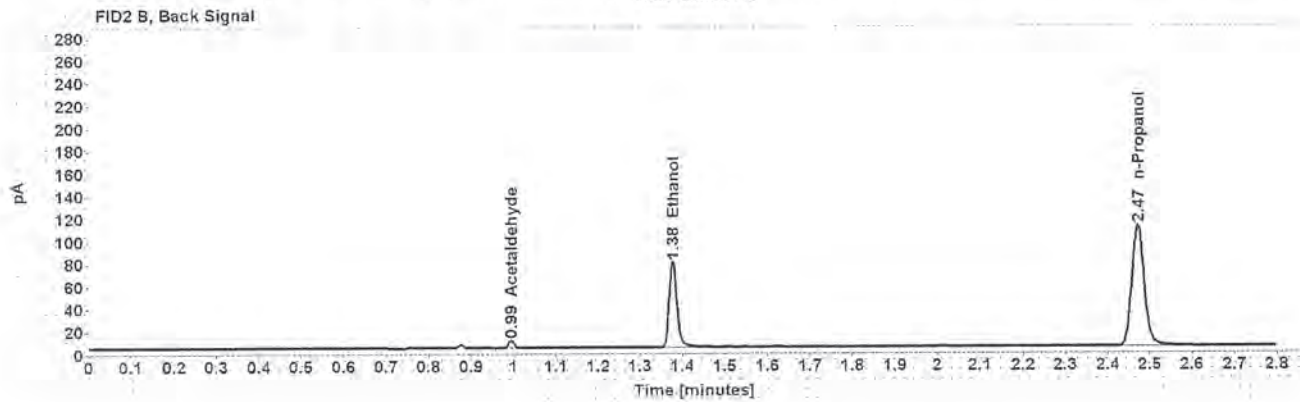
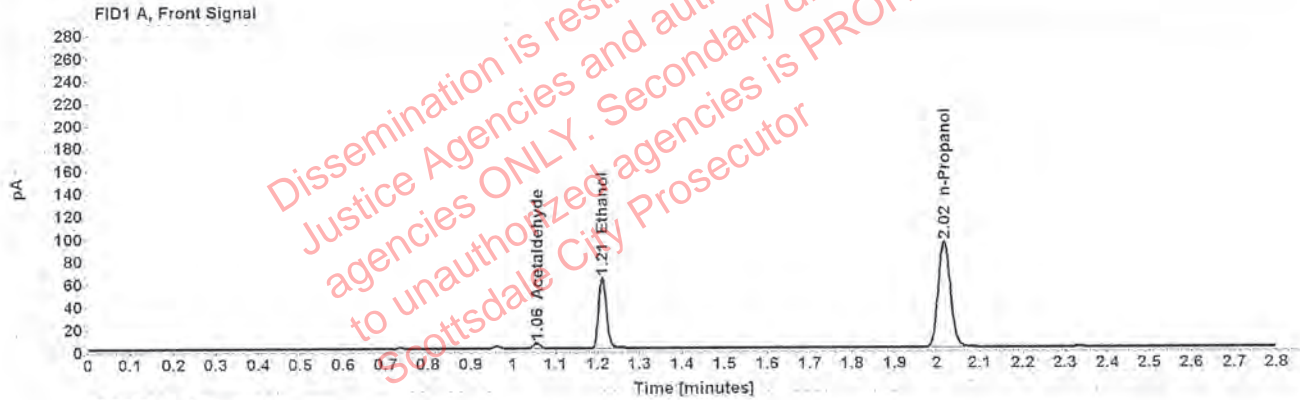


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.997
>Ethanol	0.1198	1.211	80.495
n-Propanol	-----	2.016	187.260

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	6.481
Ethanol	1.377	97.720
n-Propanol	2.471	224.031

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296588	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:54:22 PM
Data file:	C:\Chem32\1\Data\18Dec19\18.D	Analyst:	Canonico

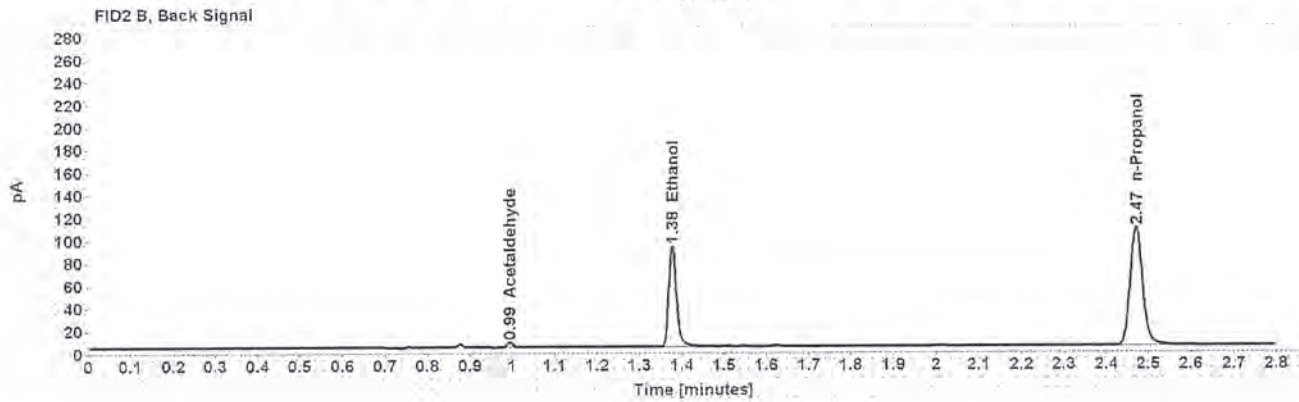
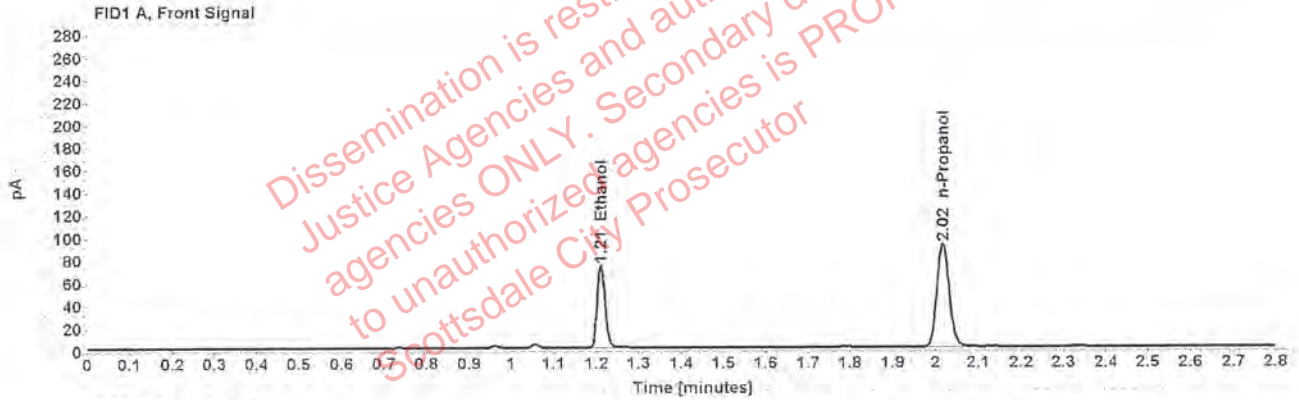


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1436	1.211	94.030
n-Propanol	-----	2.017	182.424

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.307
Ethanol	1.377	115.876
n-Propanol	2.471	218.531

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296588	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 1:58:37 PM
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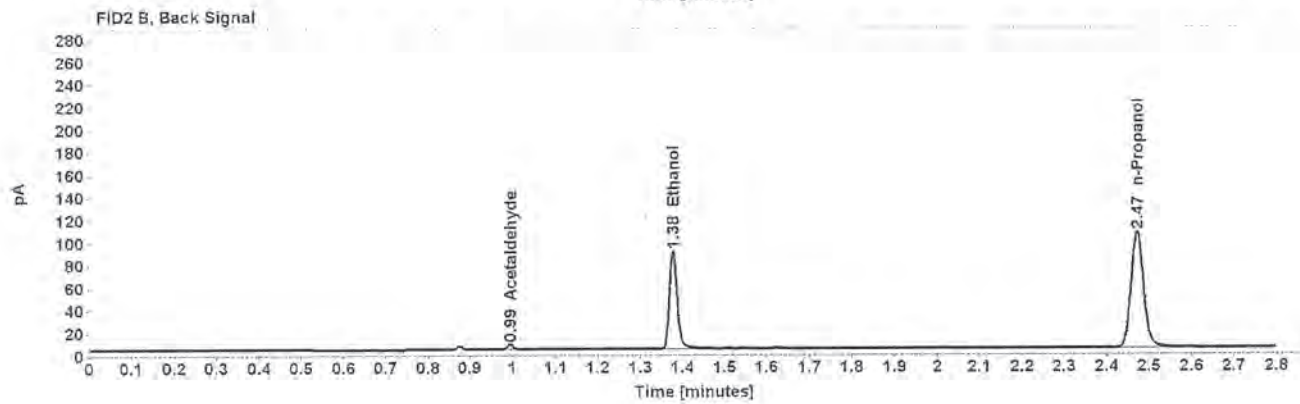
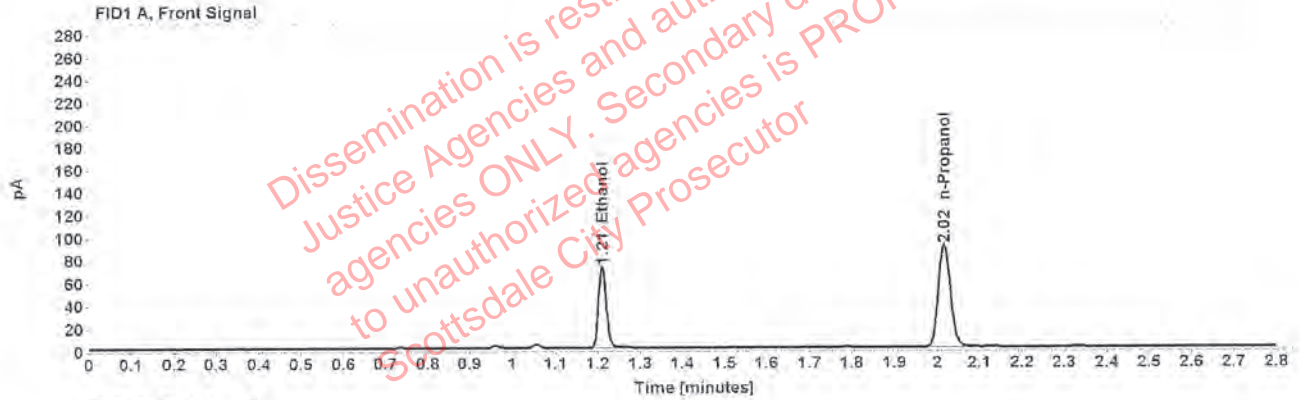


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1432	1.211	92.220
n-Propanol	-----	2.017	179.475

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.275
Ethanol	1.377	113.687
n-Propanol	2.471	214.646

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1280365	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:06:37 PM
Data file:	C:\Chem32\1\Data\18Dec19\21.D	Analyst:	Canonico

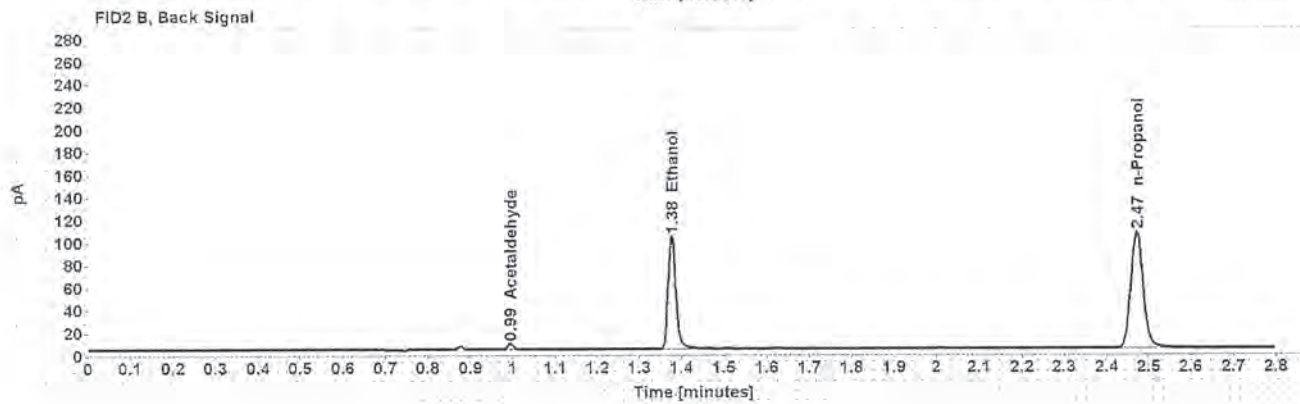
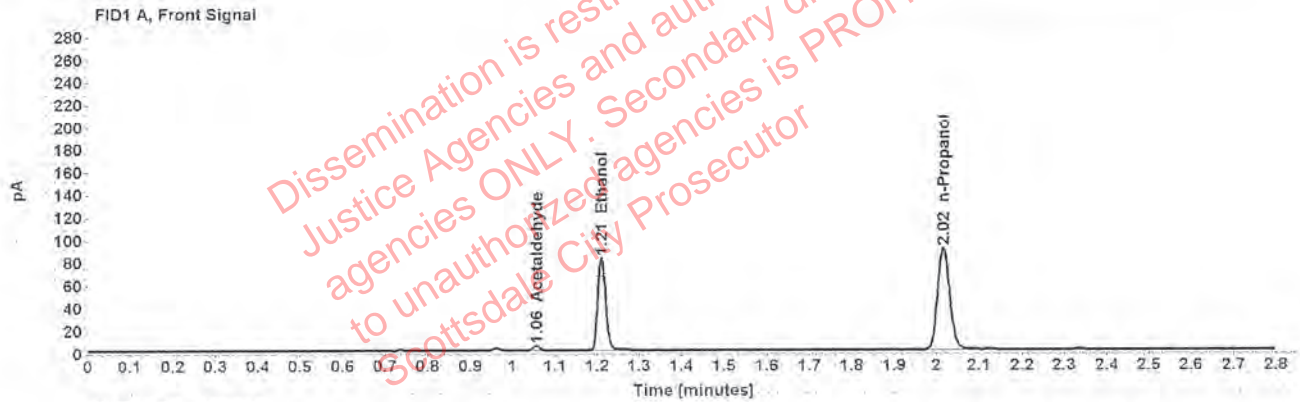


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.015
>Ethanol	0.1633	1.211	105.423
n-Propanol	-----	2.016	179.898

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.243
Ethanol	1.377	130.354
n-Propanol	2.471	214.790

Case: [REDACTED] User: ecanonico 12/18/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1280365	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:10:37 PM
Data file:	C:\Chem32\1\Data\18Dec19\22.D	Analyst:	Canonico

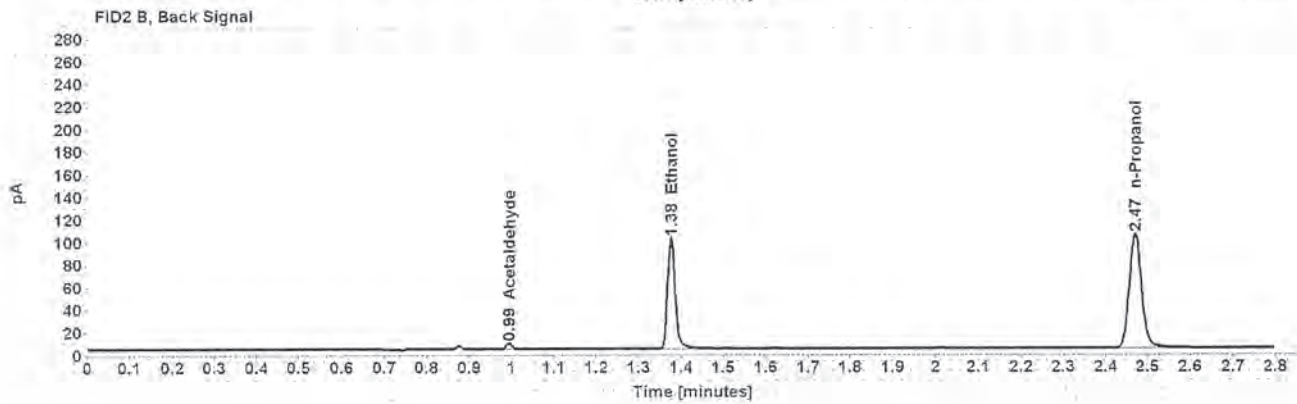
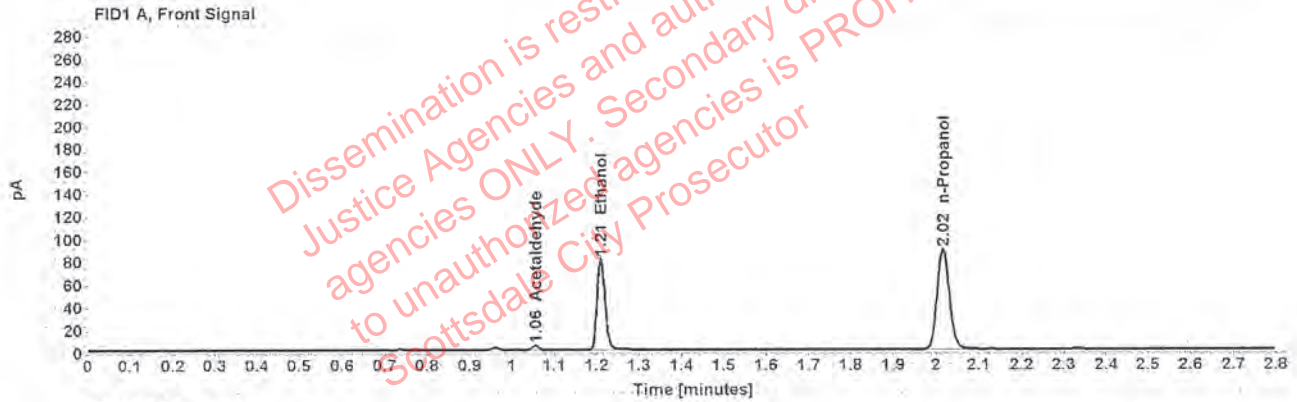


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.911
>Ethanol	0.1628	1.210	103.342
n-Propanol	-----	2.016	176.863

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.131
Ethanol	1.376	127.693
n-Propanol	2.470	211.514

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1283941	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:14:38 PM
Data file:	C:\Chem32\1\Data\18Dec19\23.D	Analyst:	Canonico

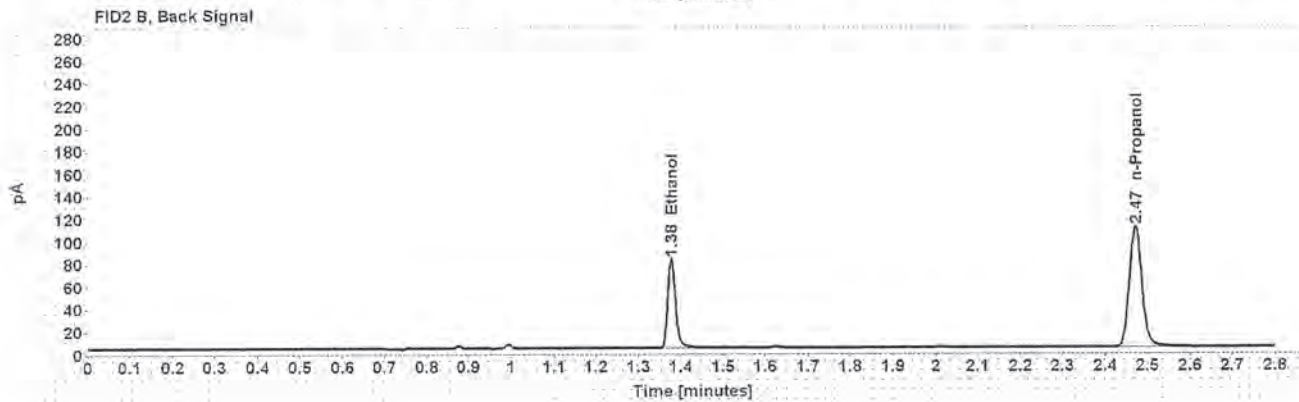
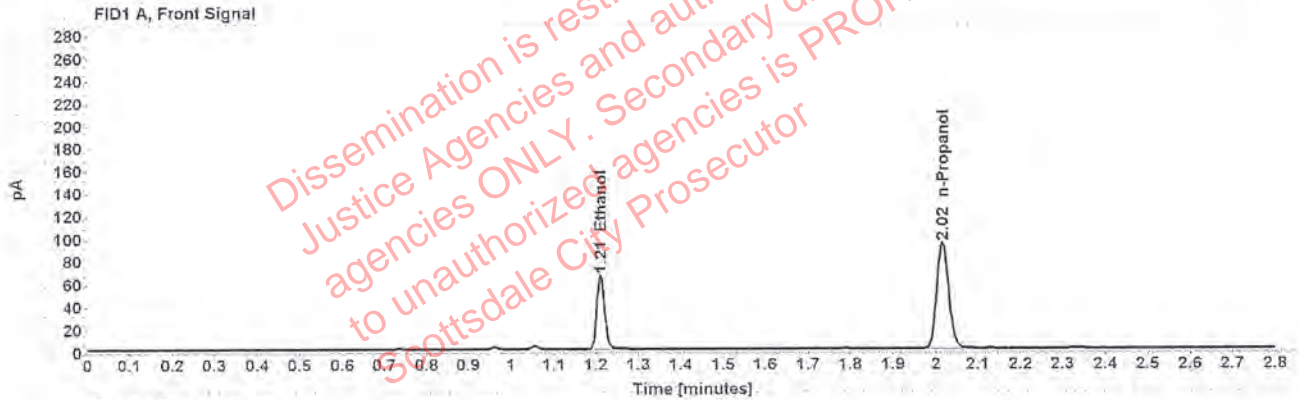


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1251	1.211	83.874
n-Propanol	-----	2.016	186.809

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

Compound	Time (min)	Peak Area
Ethanol	1.377	103.767
n-Propanol	2.471	223.579

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1283941	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:18:38 PM
Data file:	C:\Chem32\1\Data\18Dec19\24.D	Analyst:	Canonico

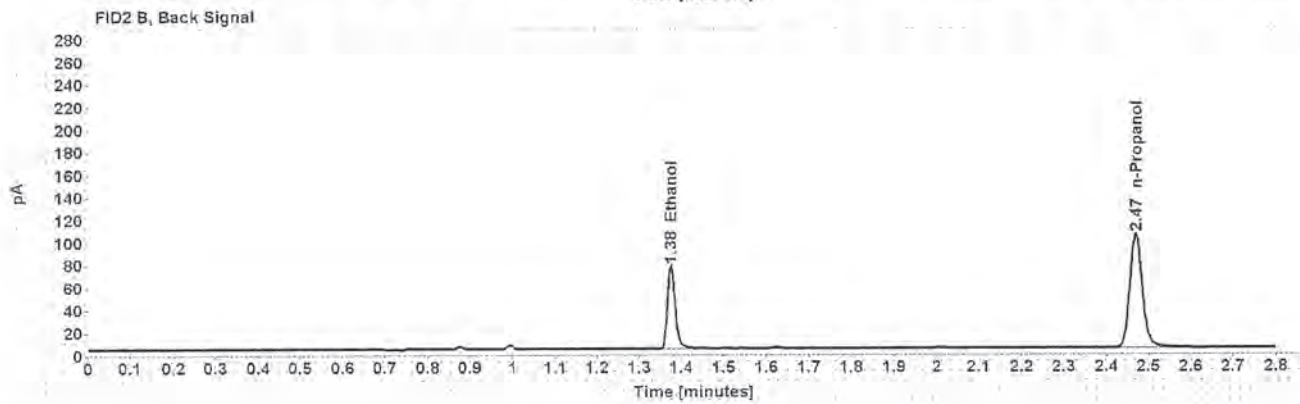
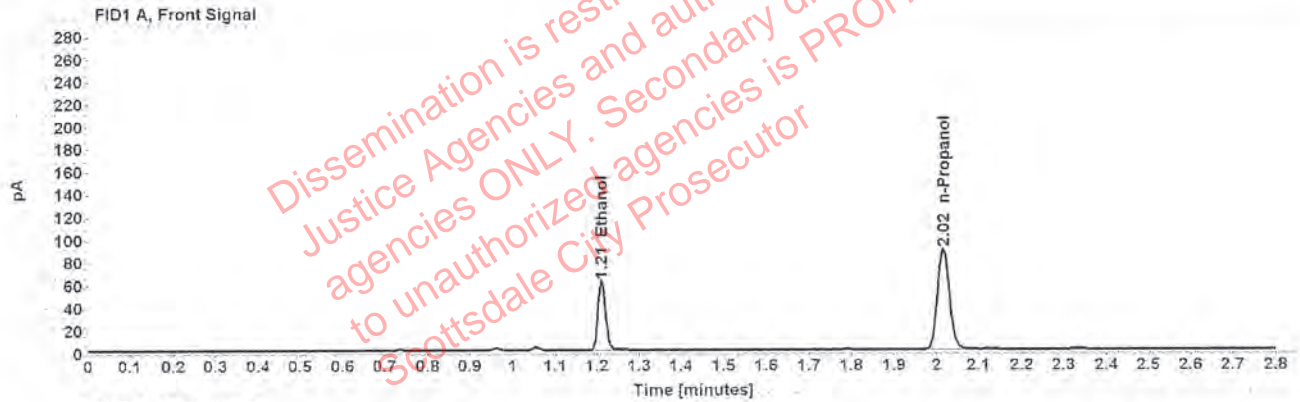


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1232	1.210	78.147
n-Propanol	-----	2.016	176.717

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

Compound	Time (min)	Peak Area
Ethanol	1.376	95.168
n-Propanol	2.470	211.171

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298270	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:22:52 PM
Data file:	C:\Chem32\1\Data\18Dec19\25.D	Analyst:	Canonico

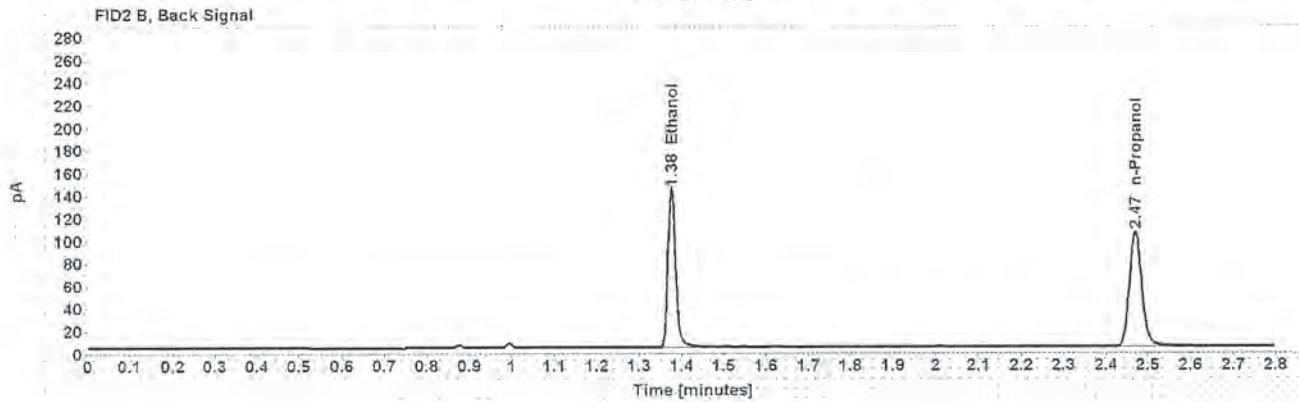
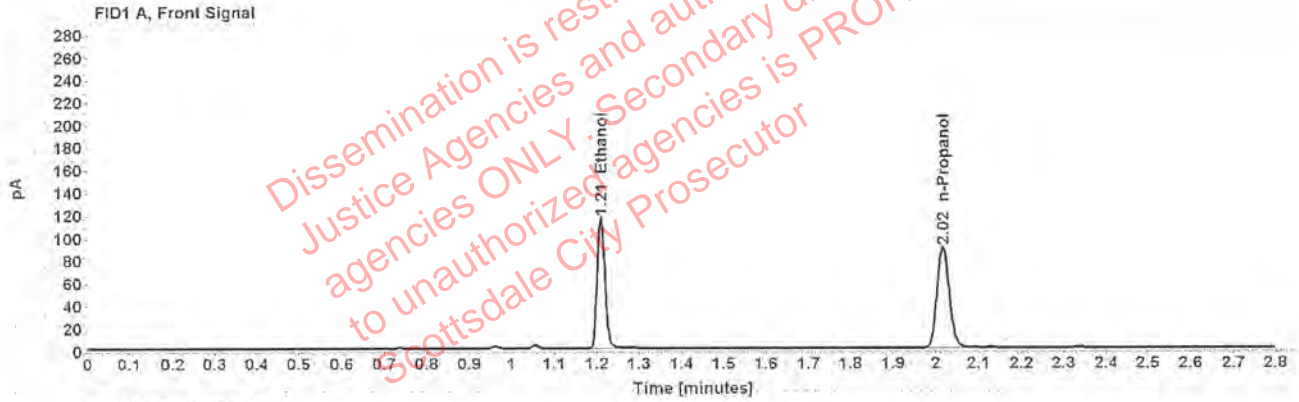


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2304	1.210	147.607
n-Propanol	-----	2.016	178.404

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

Compound	Time (min)	Peak Area
Ethanol	1.376	182.023
n-Propanol	2.470	213.298

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298270	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:26:52 PM
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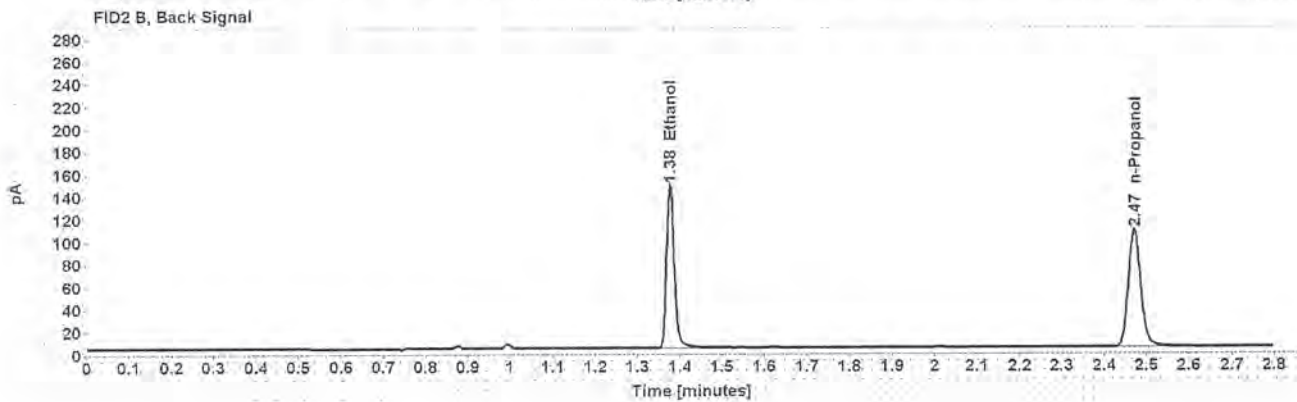
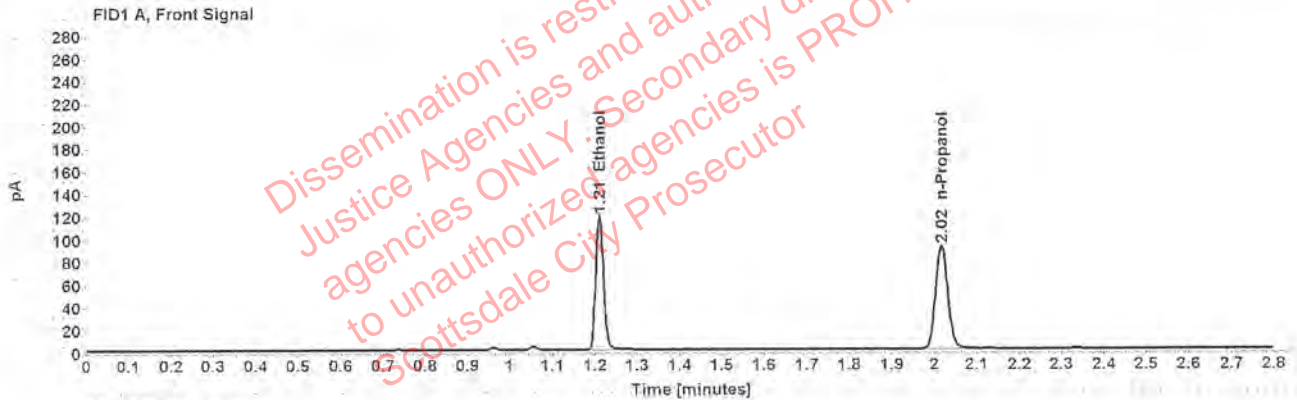


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2318	1.210	151.361
n-Propanol	---	2.016	181.887

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

Compound	Time (min)	Peak Area
Ethanol	1.377	186.998
n-Propanol	2.471	218.346

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298178	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:30:53 PM
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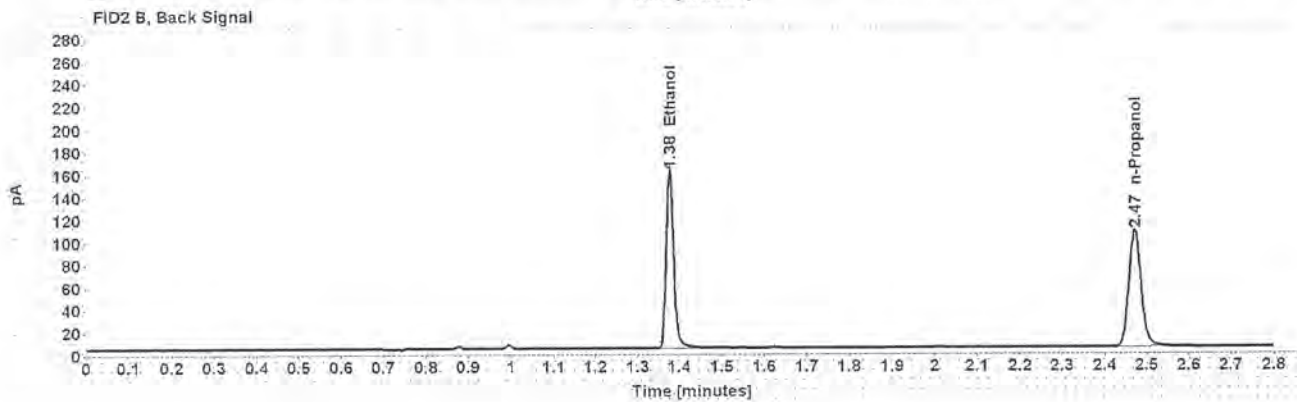
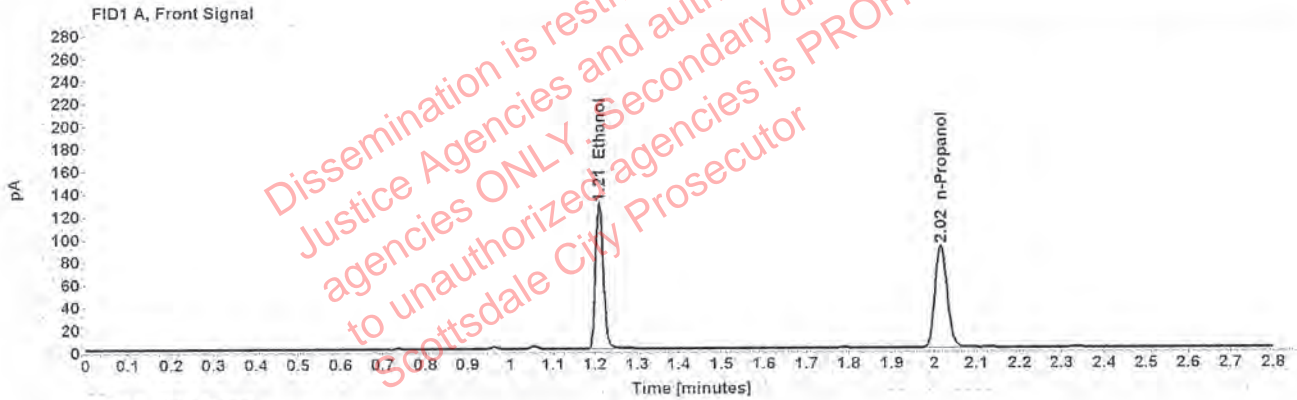


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2536	1.210	164.073
n-Propanol	-----	2.017	180.204

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

Compound	Time (min)	Peak Area
Ethanol	1.377	202.665
n-Propanol	2.471	214.448

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298178	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:34:53 PM
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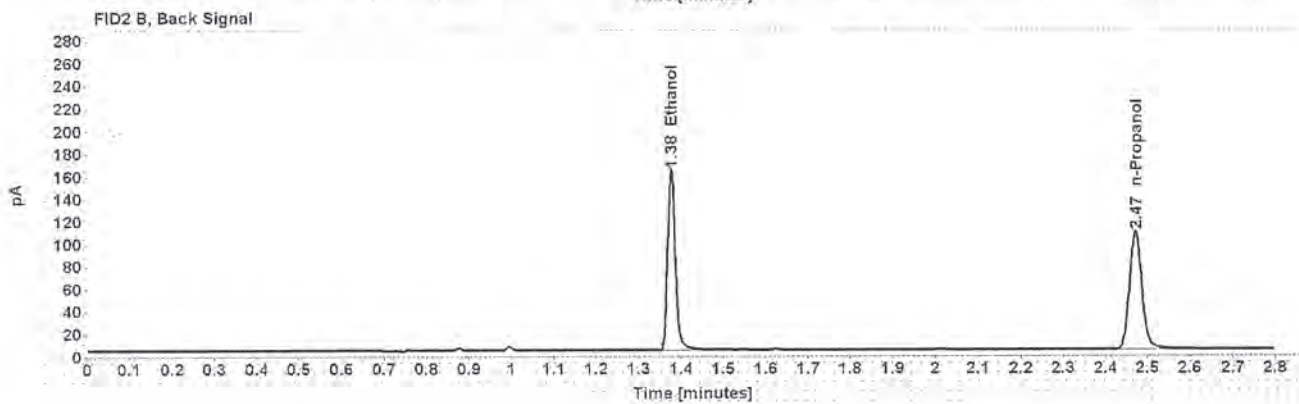
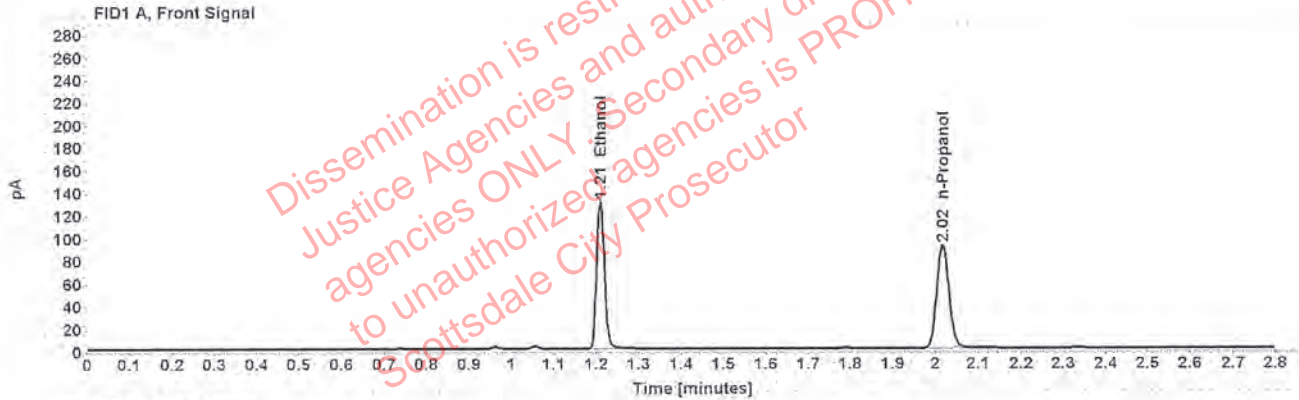


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2551	1.210	166.934
n-Propanol	-----	2.017	182.212

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

Compound	Time (min)	Peak Area
Ethanol	1.377	206.059
n-Propanol	2.471	218.626

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298378	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:38:53 PM
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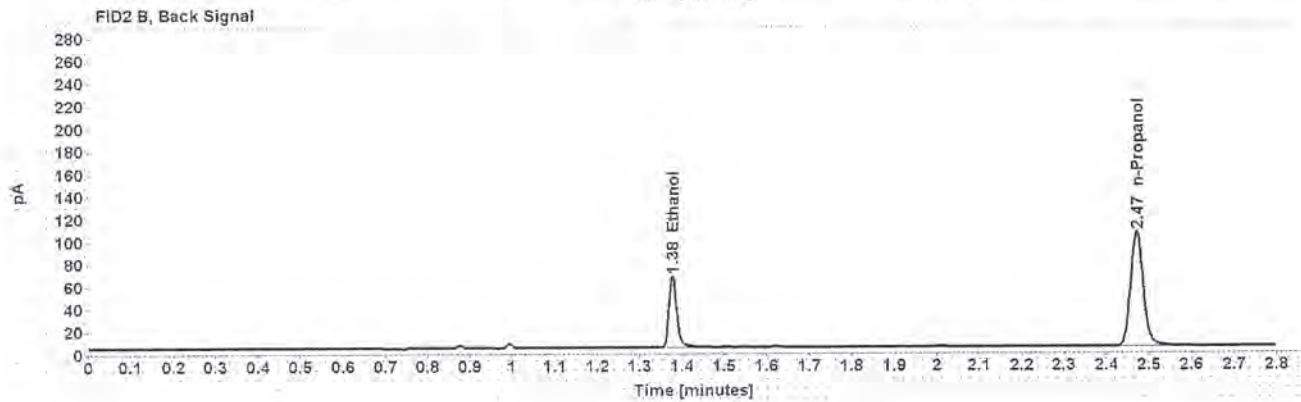
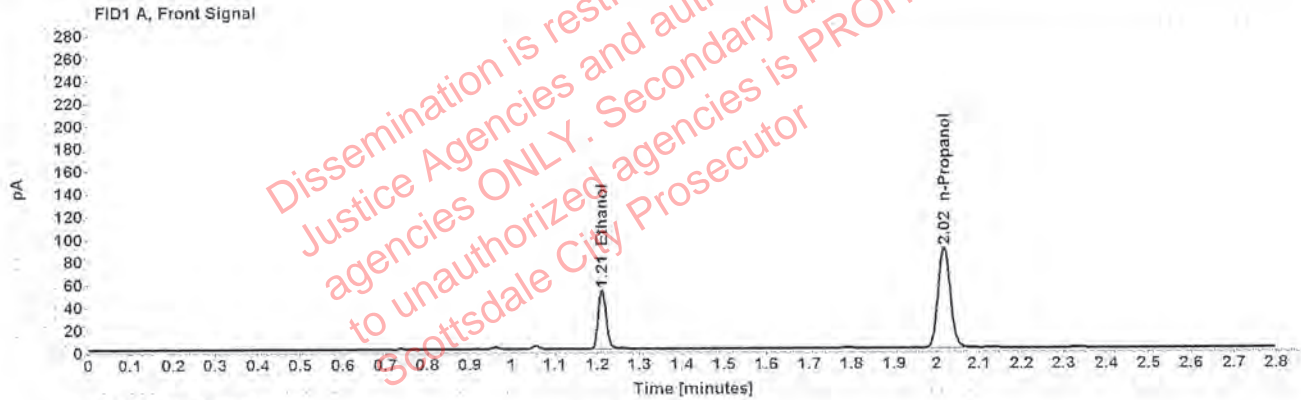


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1055	1.211	67.340
n-Propanol	-----	2.017	177.867

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

Compound	Time (min)	Peak Area
Ethanol	1.377	81.861
n-Propanol	2.471	213.012

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298378	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:42:52 PM
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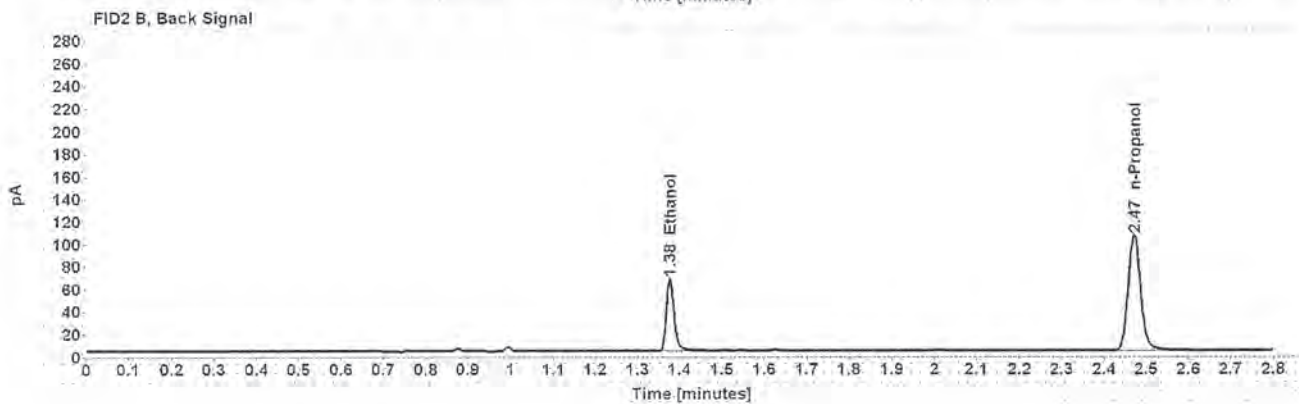
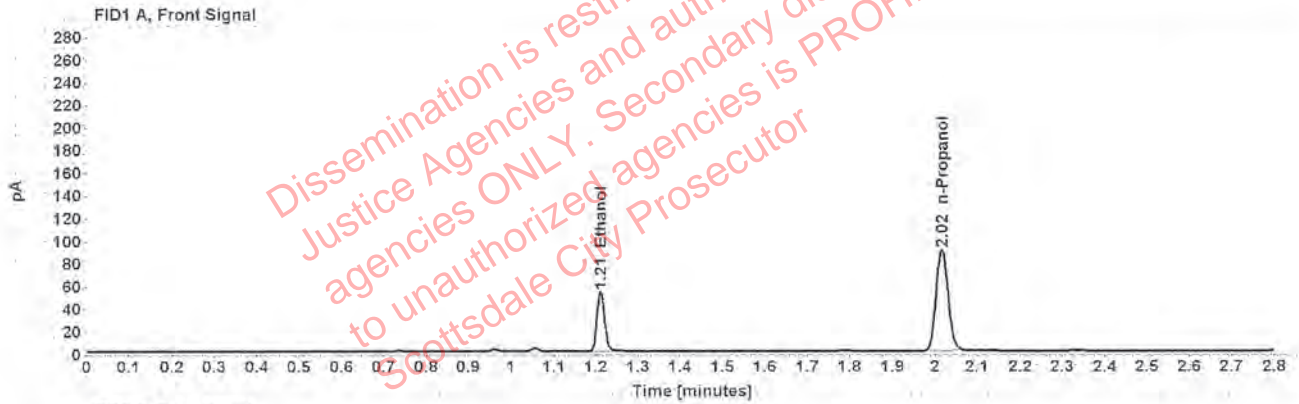


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1056	1.211	67.806
n-Propanol	-----	2.016	178.900

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

Compound	Time (min)	Peak Area
Ethanol	1.377	82.270
n-Propanol	2.471	214.242

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298045	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:51:07 PM
Data file:	C:\Chem32\1\Data\18Dec19\32.D	Analyst:	Canonico

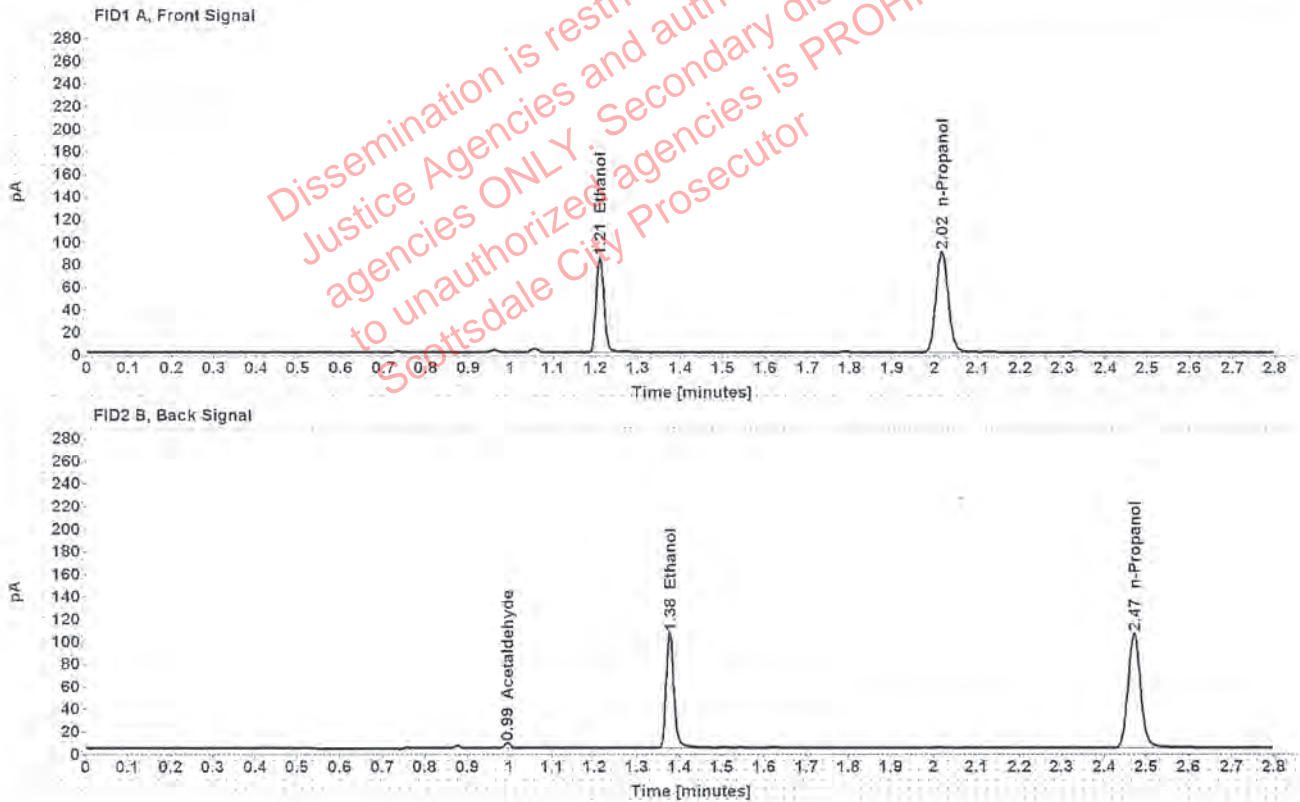


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1694	1.211	108.200
n-Propanol	-----	2.016	177.942

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.312
Ethanol	1.377	133.618
n-Propanol	2.471	213.654

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298045	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	18Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/18/2019 2:55:07 PM
Data file:	C:\Chem32\1\Data\18Dec19\33.D	Analyst:	Canonico

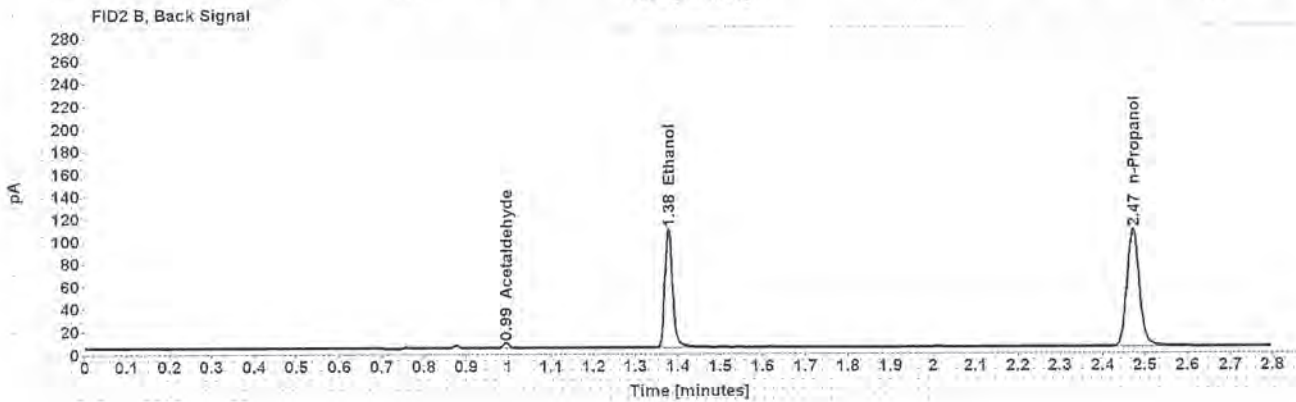
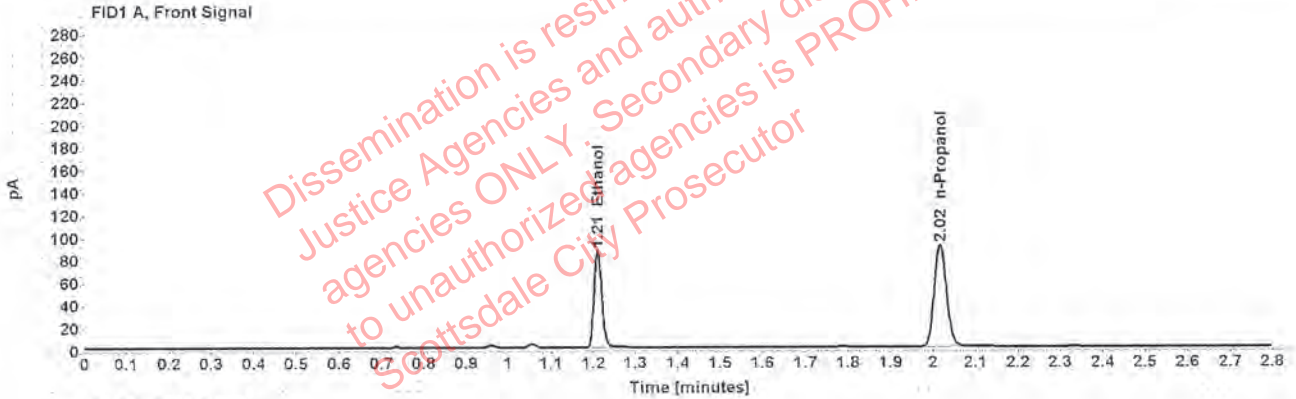


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1698	1.211	110.576
n-Propanol	-----	2.016	181.360

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.295
Ethanol	1.377	136.711
n-Propanol	2.471	217.371