

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 12/24/19 SEQUENCE NAME 24Dec19

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 0.99998
 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 mix	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.397 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.198 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	0.150 g/dL	Lipomed 09022015-C
40	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
41	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
42	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
43	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 14 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid [Signature] Analyst
 Run valid Run invalid KOSECKI Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

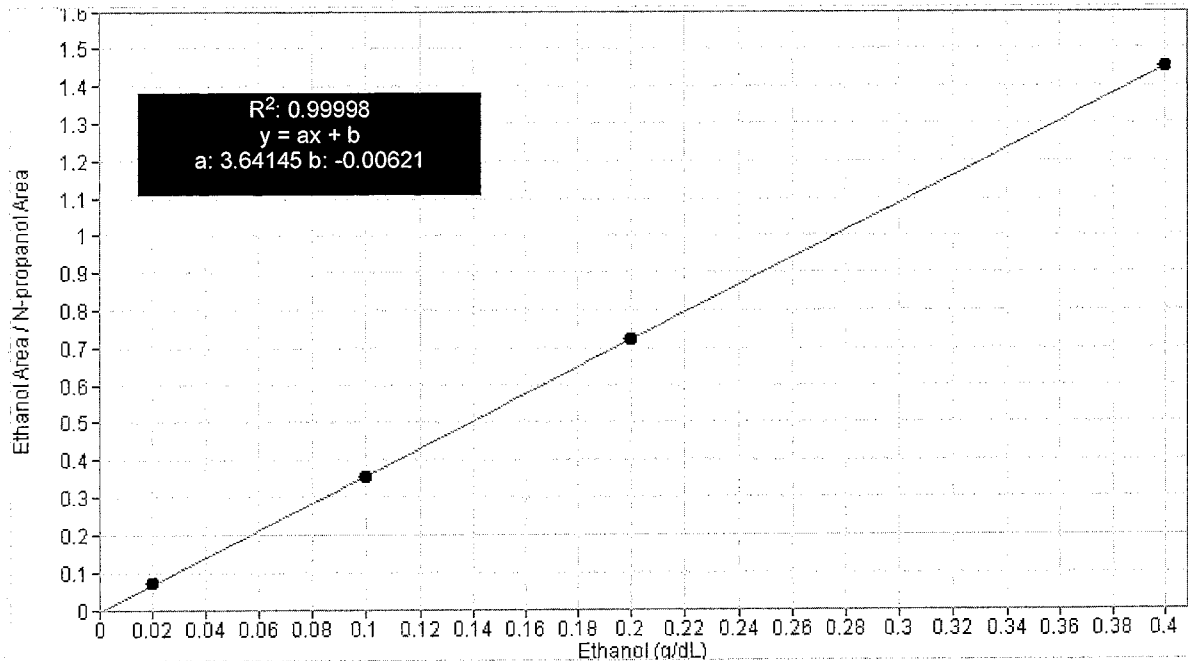
SEQUENCE NAME: 24Dec19

ANALYST: Brooke

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	0.397	0.400	0.75	-0.003
0.040 09022015-A	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.198	0.198	0.00	0.000
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.150 09022015-C	31	0.150	0.150	0.00	0.000
0.400 11092018-A	40	0.399	0.400	0.25	-0.001
0.040 09022015-A	41	0.039	0.040	2.50	-0.001
0.198 407041529/13	42	0.198	0.198	0.00	0.000
blank 040919WB	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.008	172.098	0.070
0.100	59.464	167.692	0.355
0.200	121.791	168.896	0.721
0.400	246.330	169.703	1.452

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 24Dec19
Method: ethanol quant.M	Injection date: 12/24/2019 10:04:32 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>BA</i>
Data file: C:\Chem32\1\Data\24Dec19\1.D	

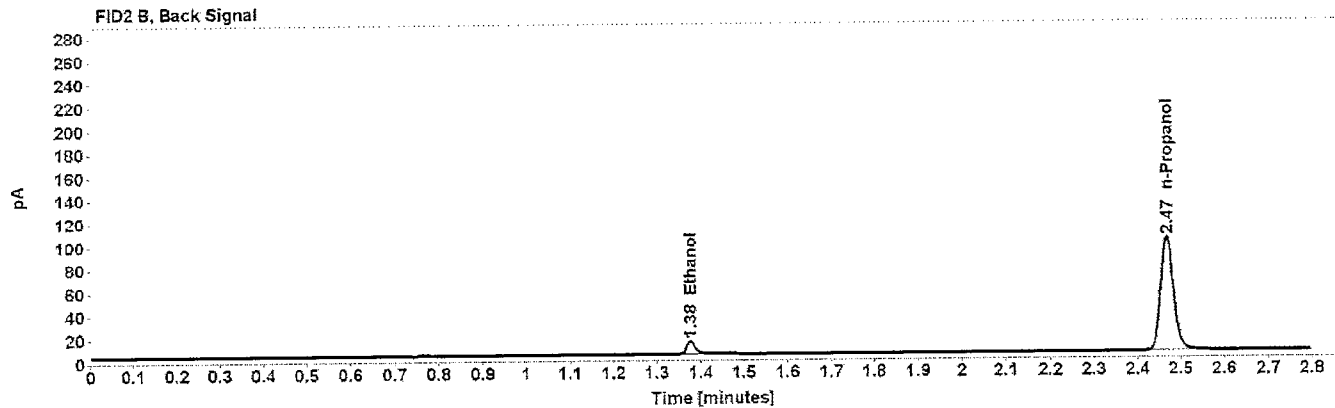
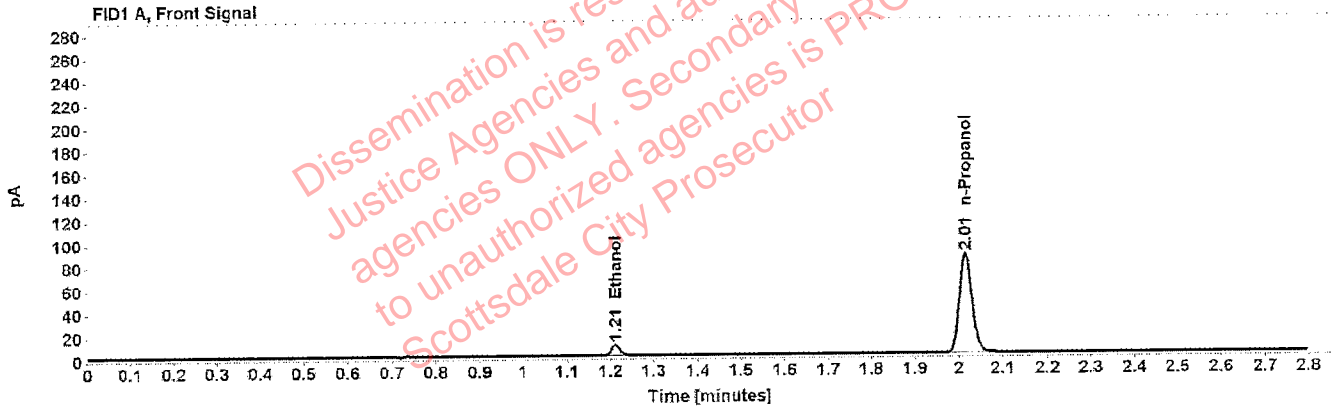


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	12.008
n-Propanol	2.015	172.098

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.434
n-Propanol	2.468	202.853

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 24Dec19
Method: ethanol quant.M	Injection date: 12/24/2019 10:08:32 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Dec19\2.D	

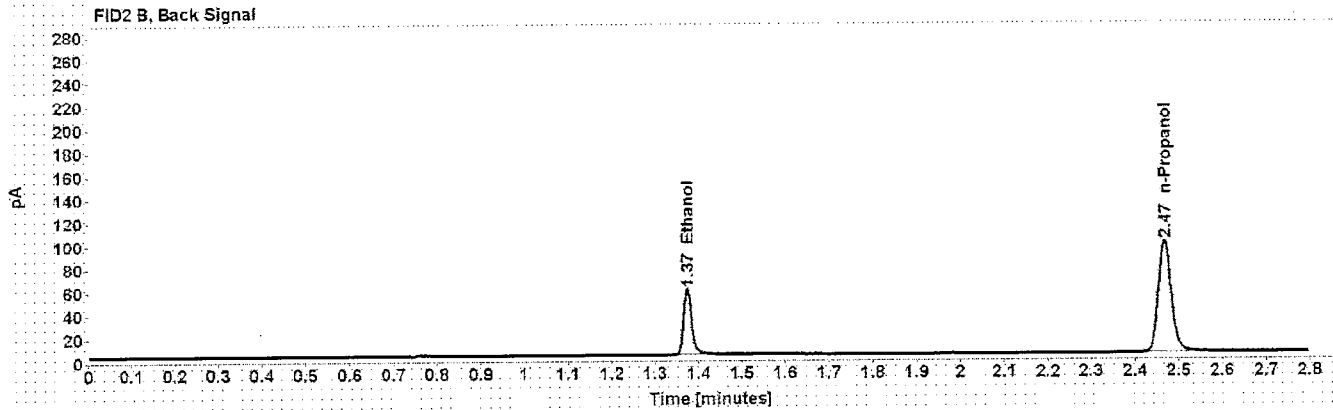
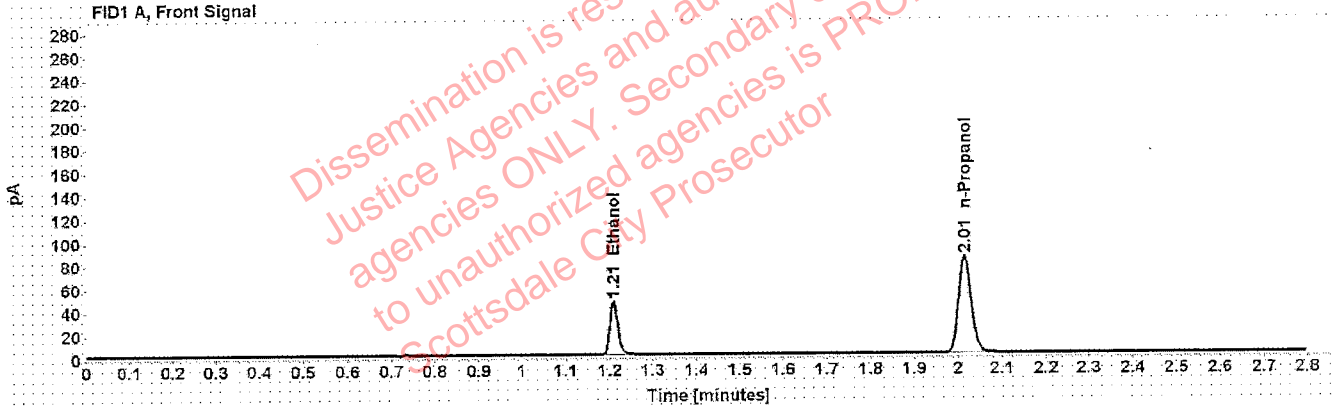


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	59.464
n-Propanol	2.015	167.692

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

Compound	Time (min)	Peak Area
Ethanol	1.374	72.483
n-Propanol	2.468	198.999

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 24Dec19
Method: ethanol quant.M	Injection date: 12/24/2019 10:12:31 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Dec19\3.D	

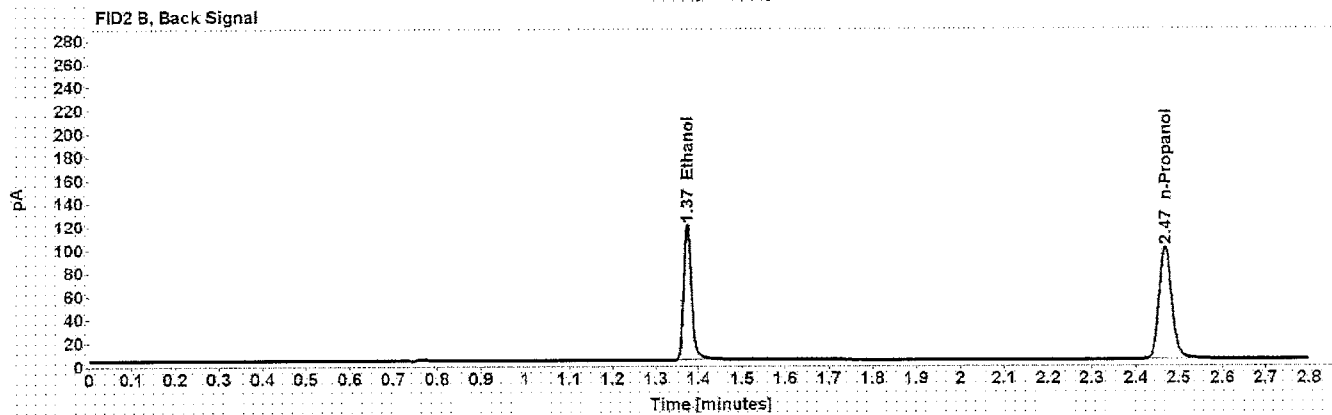
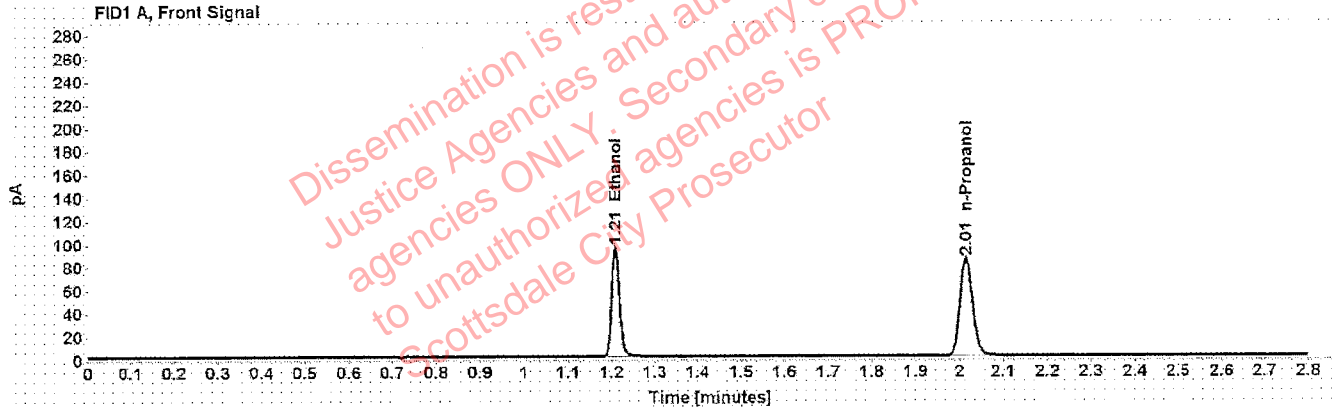


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	121.791
n-Propanol	2.015	168.896

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

Compound	Time (min)	Peak Area
Ethanol	1.374	149.284
n-Propanol	2.468	200.446

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 24Dec19
Method: ethanol quant.M	Injection date: 12/24/2019 10:16:32 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Dec19\4.D	

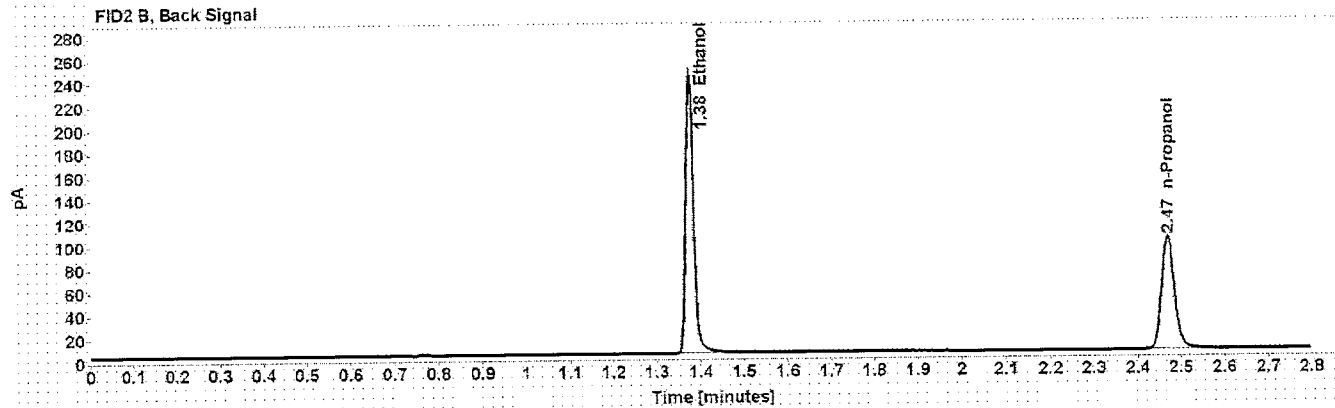
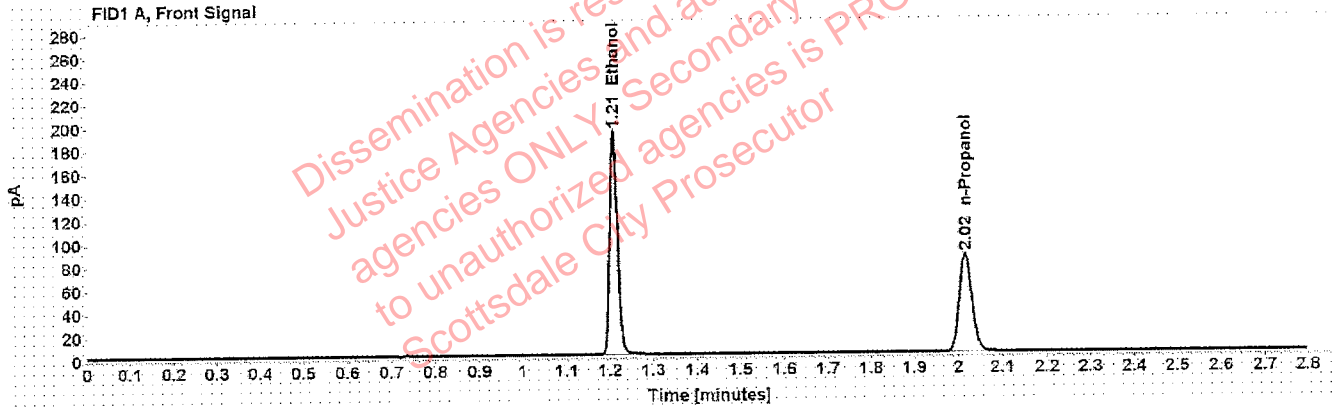


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	246.330
n-Propanol	2.016	169.703

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

Compound	Time (min)	Peak Area
Ethanol	1.375	303.732
n-Propanol	2.469	202.029

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 080519	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 10:20:32 AM
Data file: C:\Chem32\1\Data\24Dec19\5.D	Analyst: Brooke

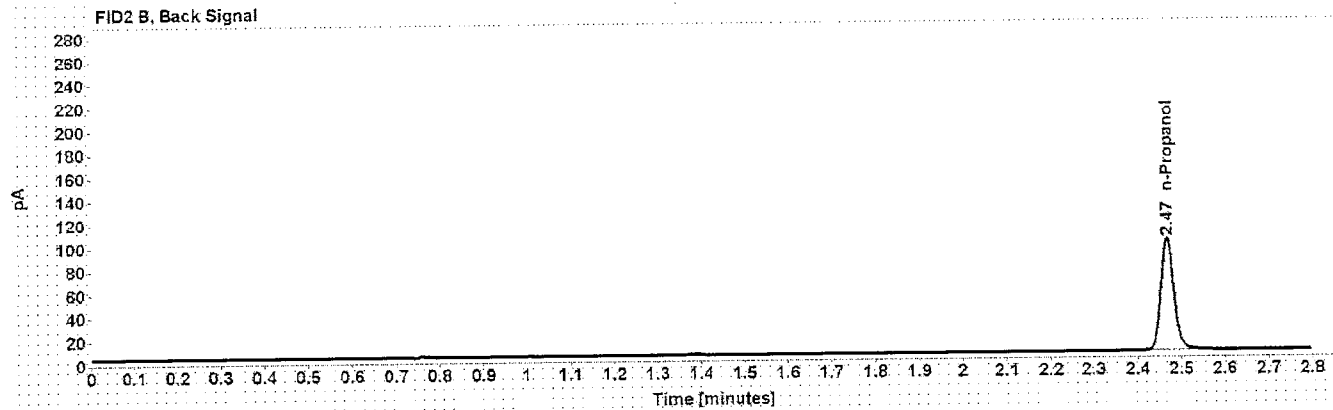
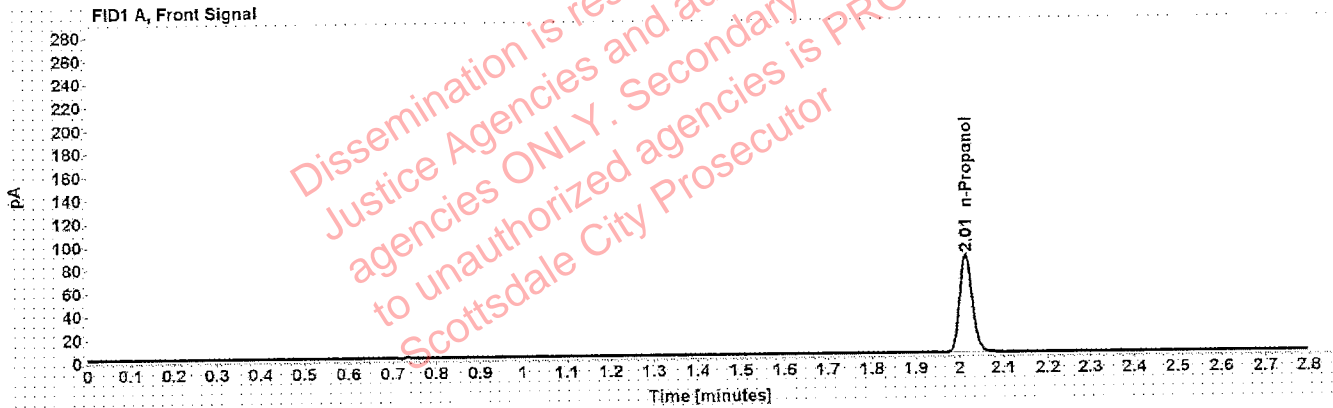


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	169.195

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	200.434

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 10:24:33 AM
Data file: C:\Chem32\1\Data\24Dec19\6.D	Analyst: Brooke

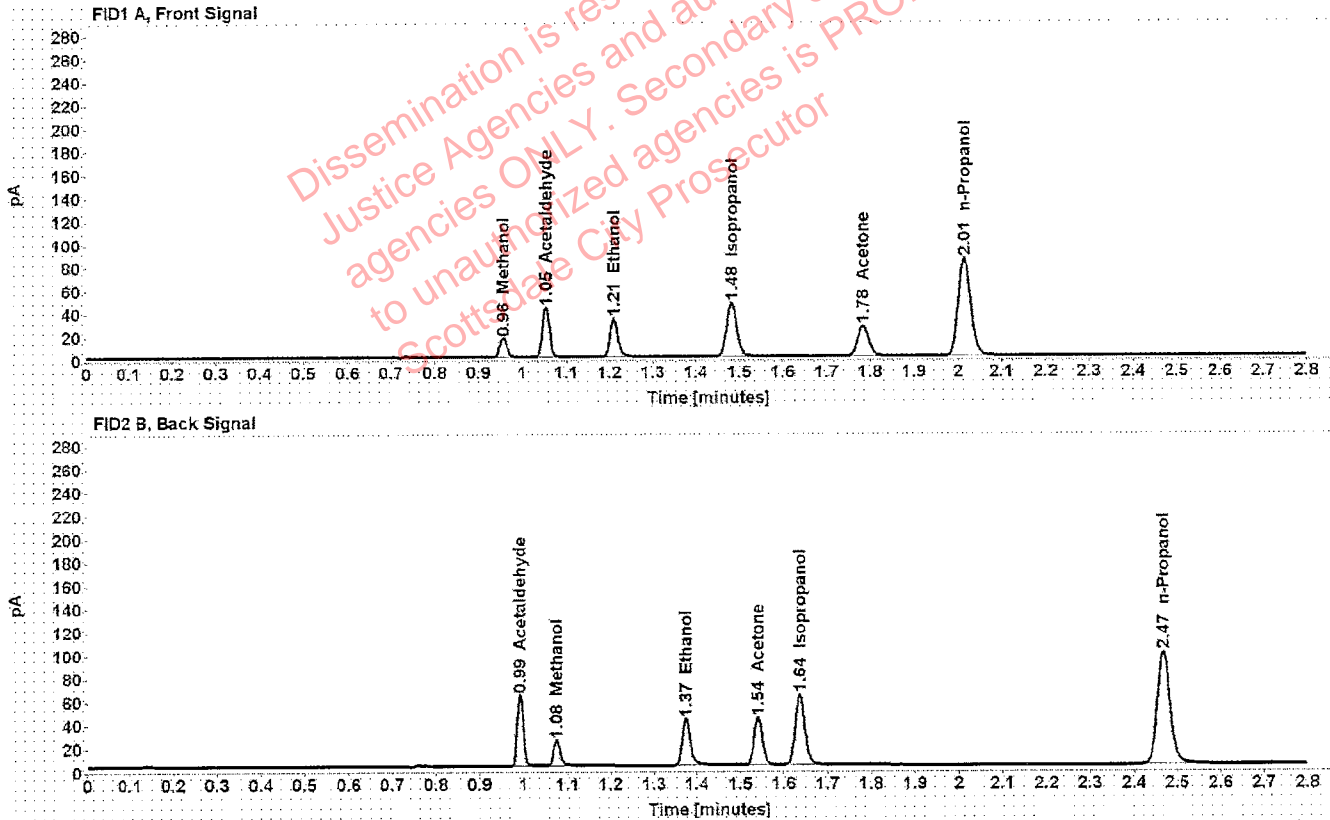


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.812
Acetaldehyde	-----	1.054	47.257
>Ethanol	0.0708	1.210	42.549
Isopropanol	-----	1.483	75.273
Acetone	-----	1.783	45.283
n-Propanol	-----	2.014	168.989

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	60.610
Methanol	1.076	23.761
Ethanol	1.374	51.399
Acetone	1.541	54.202
Isopropanol	1.636	93.533
n-Propanol	2.468	201.454

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 10:28:47 AM
Data file: C:\Chem32\1\Data\24Dec19\7.D	Analyst: Brooke

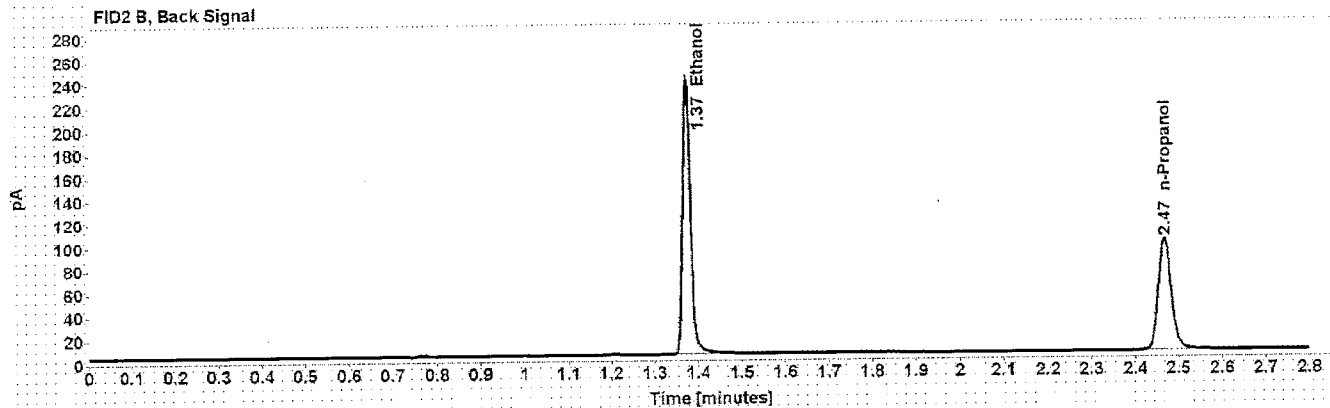
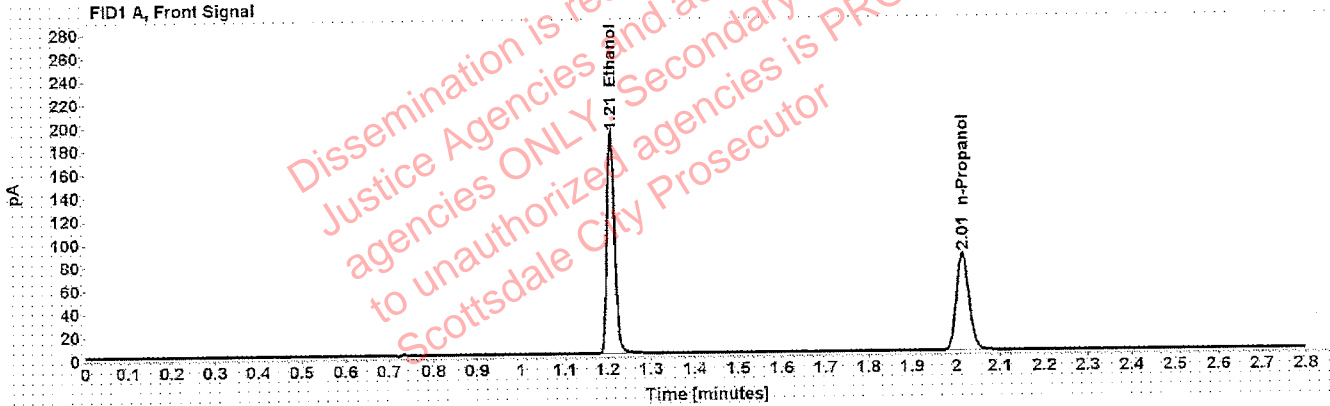


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3977	1.208	243.165
n-Propanol	-----	2.015	168.639

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

Compound	Time (min)	Peak Area
Ethanol	1.373	298.686
n-Propanol	2.468	200.637

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 10:32:47 AM
Data file: C:\Chem32\1\Data\24Dec19\8.D	Analyst: Brooke

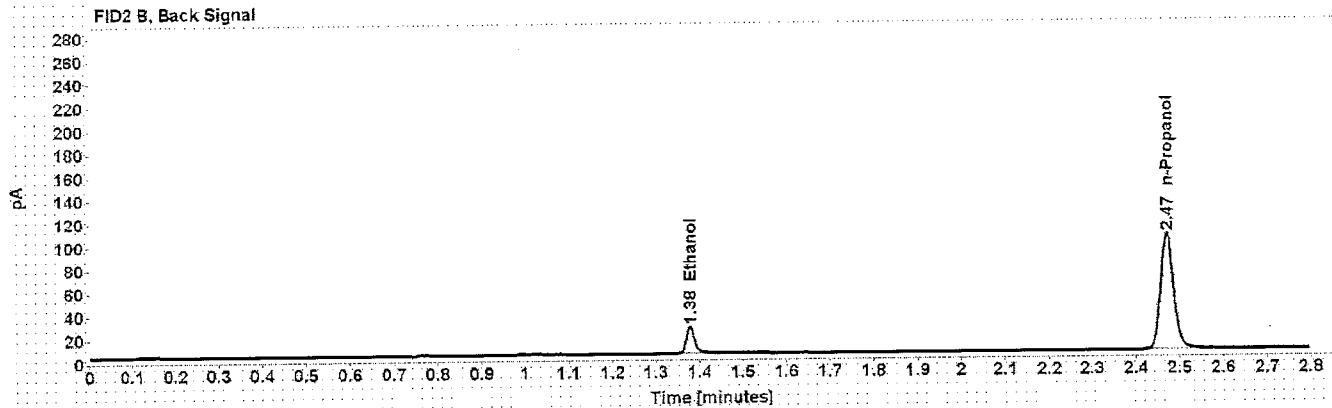
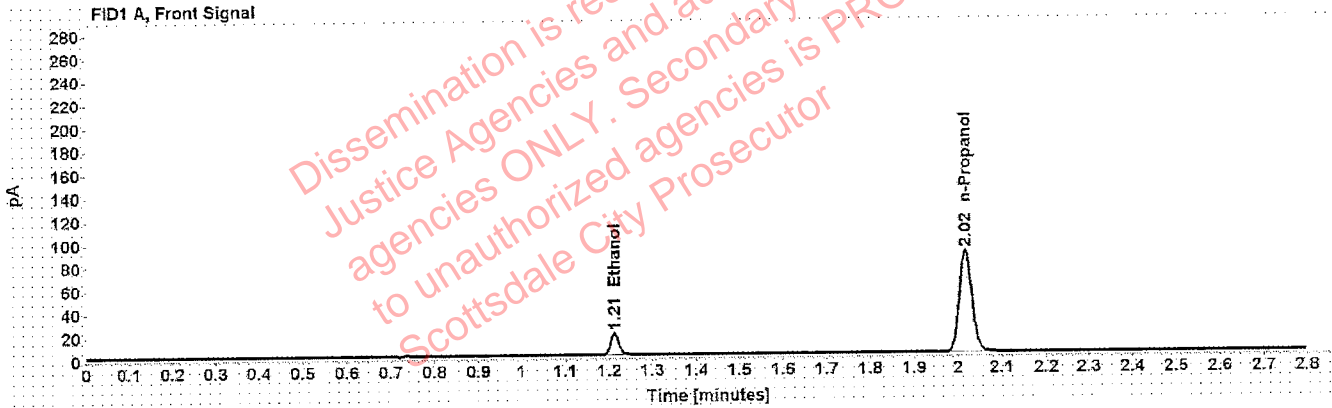


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0400	1.212	24.546
n-Propanol	-----	2.017	175.974

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

Compound	Time (min)	Peak Area
Ethanol	1.378	29.569
n-Propanol	2.471	208.482

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 10:36:47 AM
Data file: C:\Chem32\1\Data\24Dec19\9.D	Analyst: Brooke

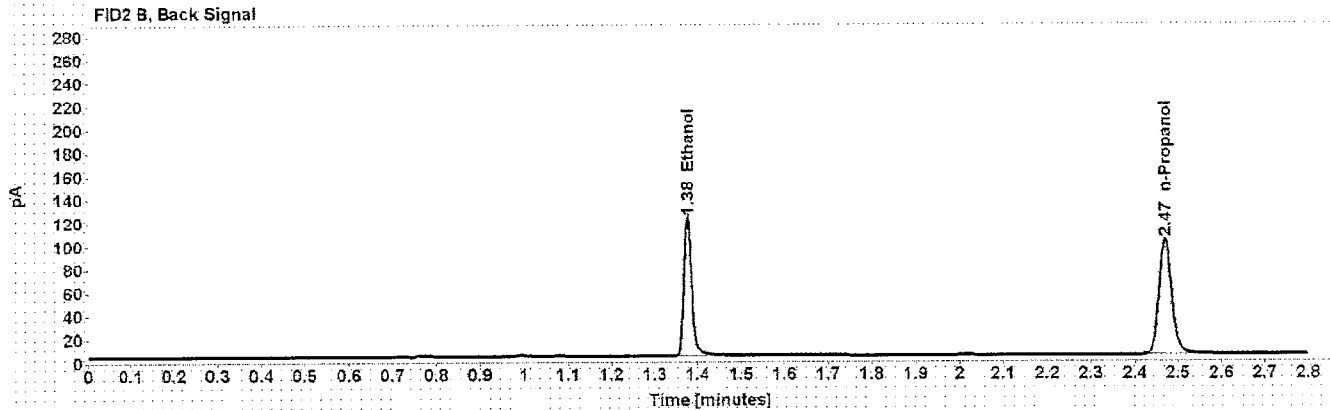
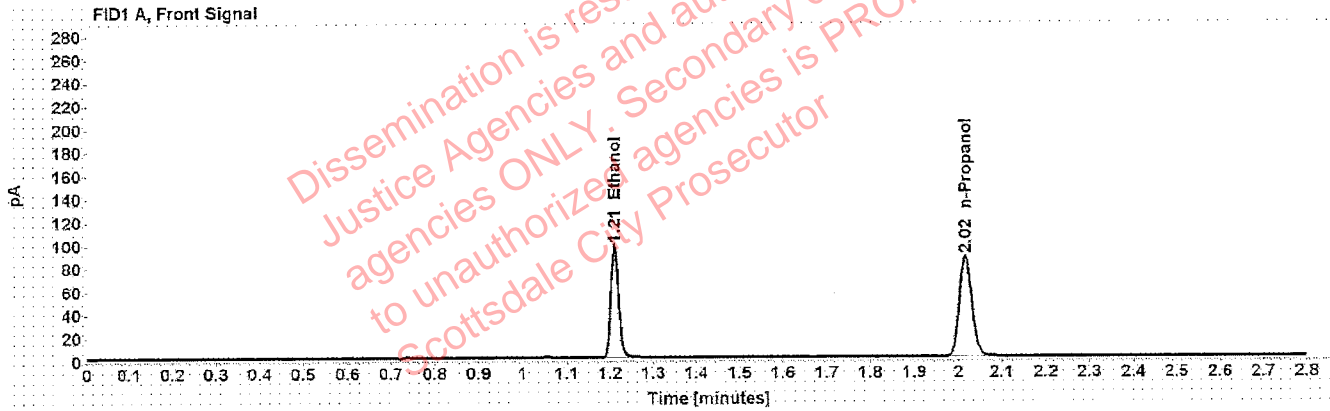


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1985	1.210	124.553
n-Propanol	-----	2.016	173.837

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

Compound	Time (min)	Peak Area
Ethanol	1.377	152.467
n-Propanol	2.470	206.107

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 11:21:17 AM
Data file: C:\Chem32\1\Data\24Dec19\20.D	Analyst: Brooke

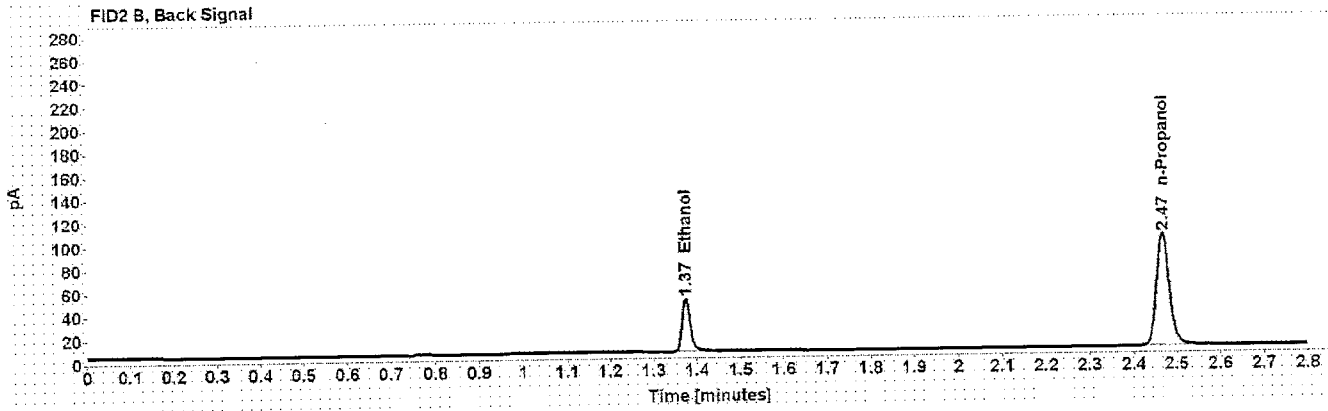
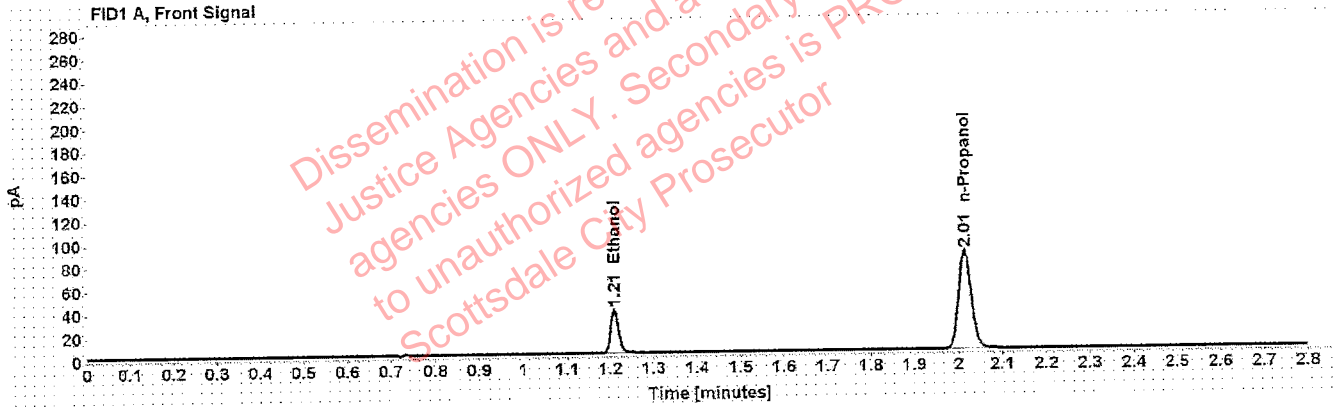


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0800	1.210	48.515
n-Propanol	-----	2.015	170.232

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

Compound	Time (min)	Peak Area
Ethanol	1.374	58.721
n-Propanol	2.468	201.698

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 12:05:49 PM
Data file: C:\Chem32\1\Data\24Dec19\31.D	Analyst: Brooke

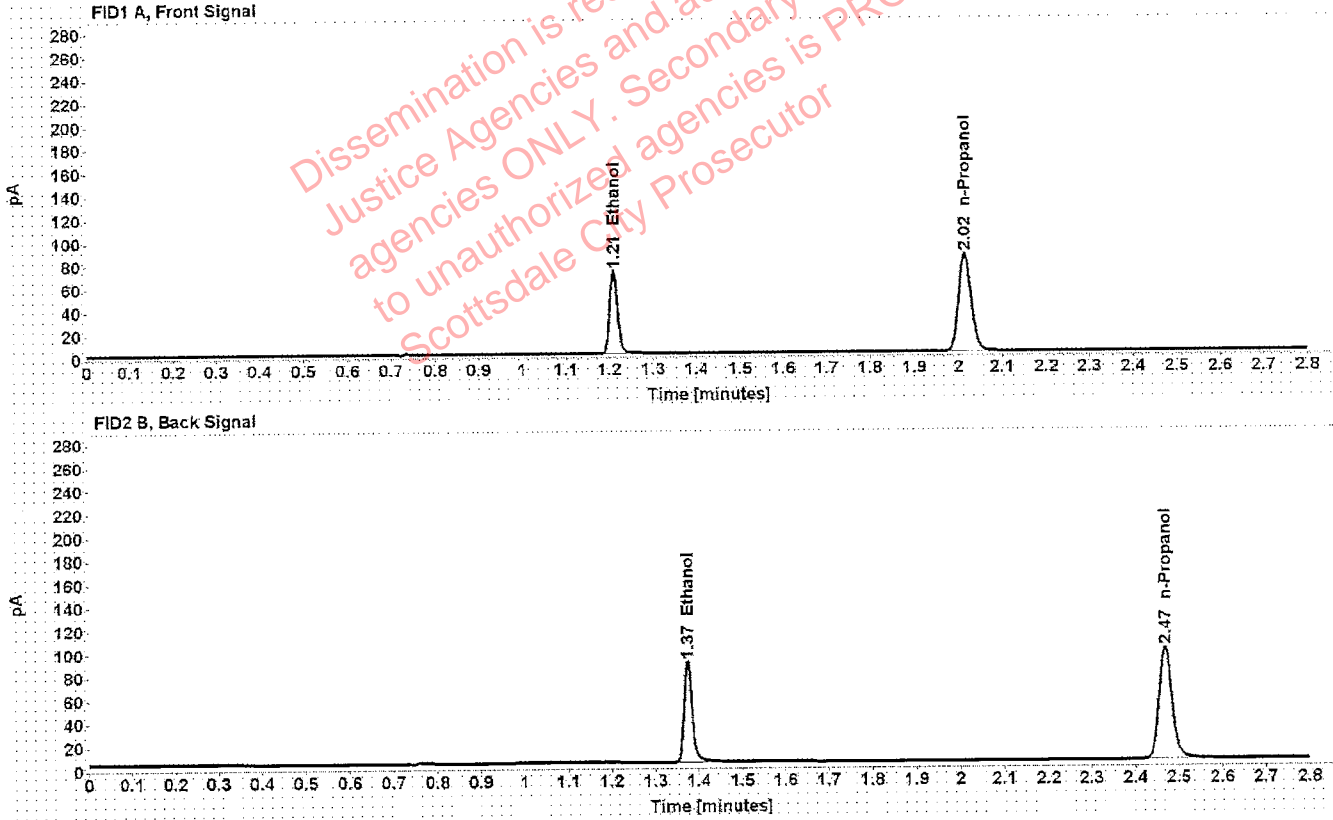


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1507	1.209	92.065
n-Propanol	-----	2.015	169.725

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

Compound	Time (min)	Peak Area
Ethanol	1.375	112.370
n-Propanol	2.468	201.339

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 40
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 12:42:02 PM
Data file: C:\Chem32\1\Data\24Dec19\40.D	Analyst: Brooke

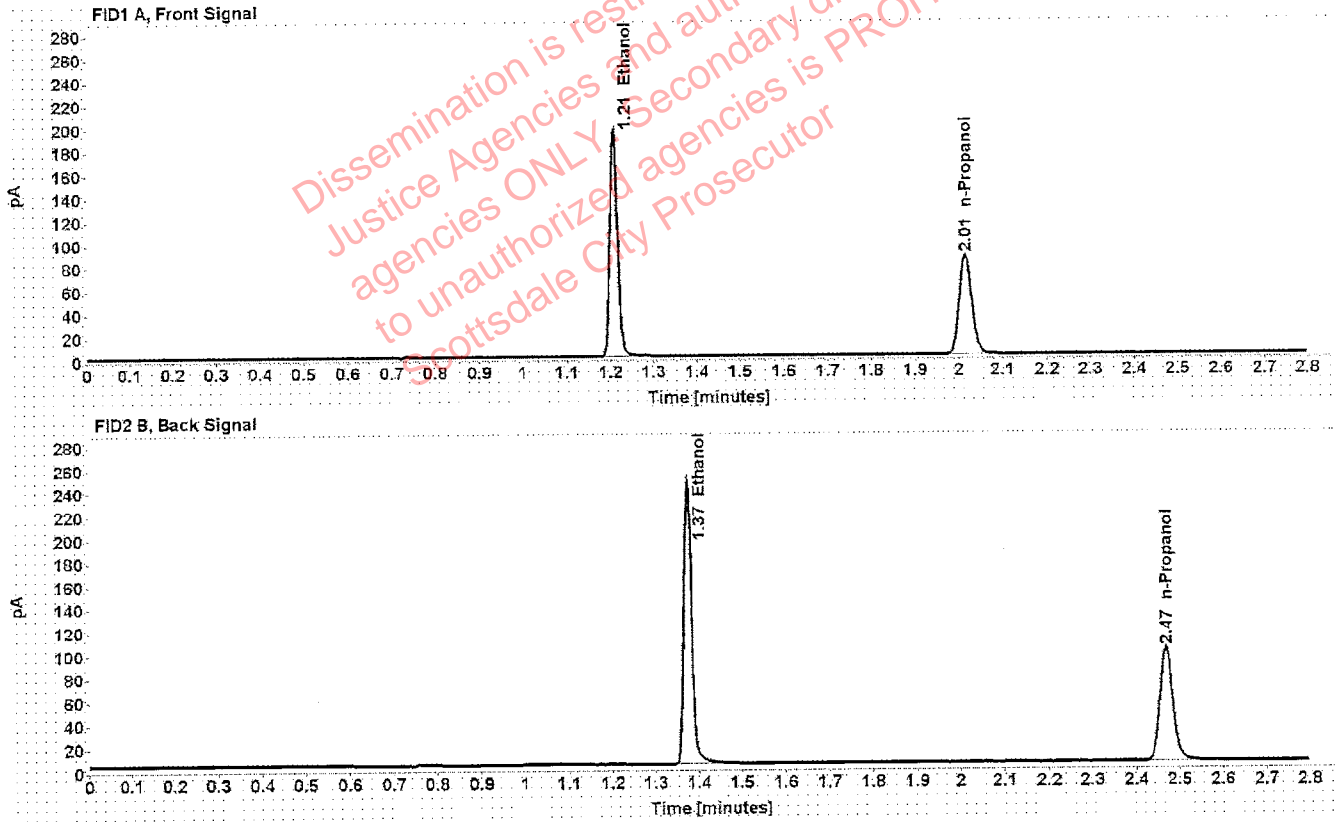


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3997	1.208	249.317
n-Propanol	-----	2.015	172.014

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

Compound	Time (min)	Peak Area
Ethanol	1.374	306.828
n-Propanol	2.468	204.954

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 41
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 12:46:02 PM
Data file: C:\Chem32\1\Data\24Dec19\41.D	Analyst: Brooke

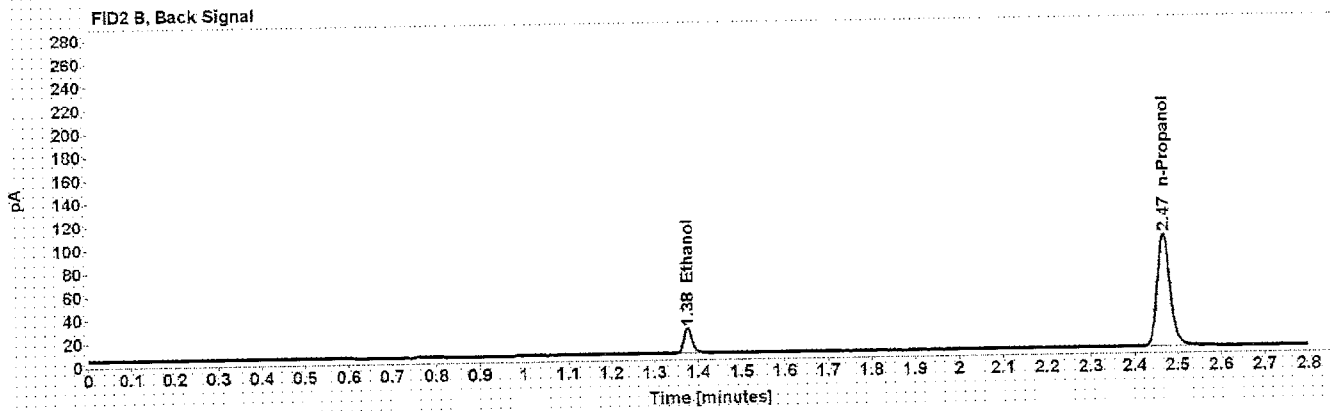
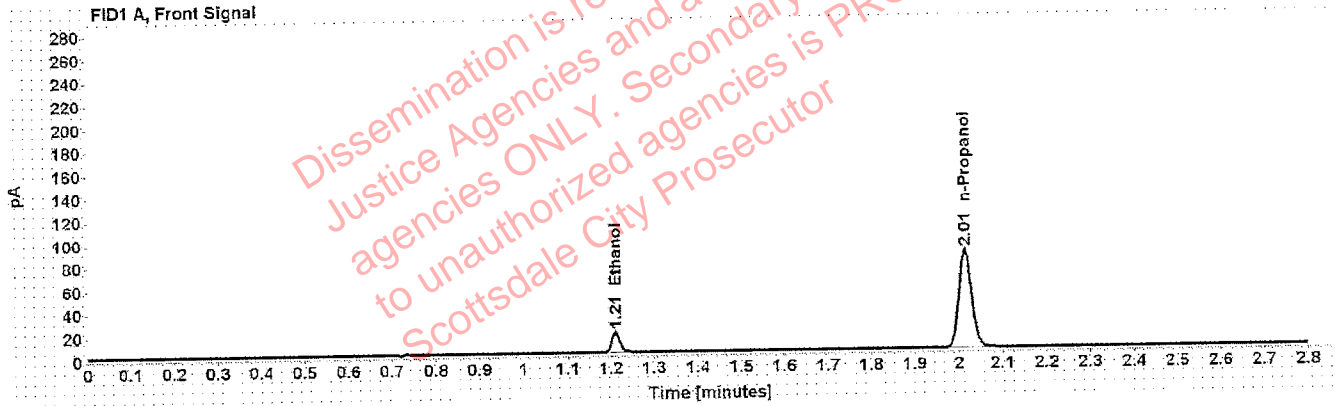


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0392	1.211	23.285
n-Propanol	-----	2.015	170.389

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

Compound	Time (min)	Peak Area
Ethanol	1.375	28.191
n-Propanol	2.468	202.833

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 42
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 12:50:02 PM
Data file: C:\Chem32\1\Data\24Dec19\42.D	Analyst: Brooke

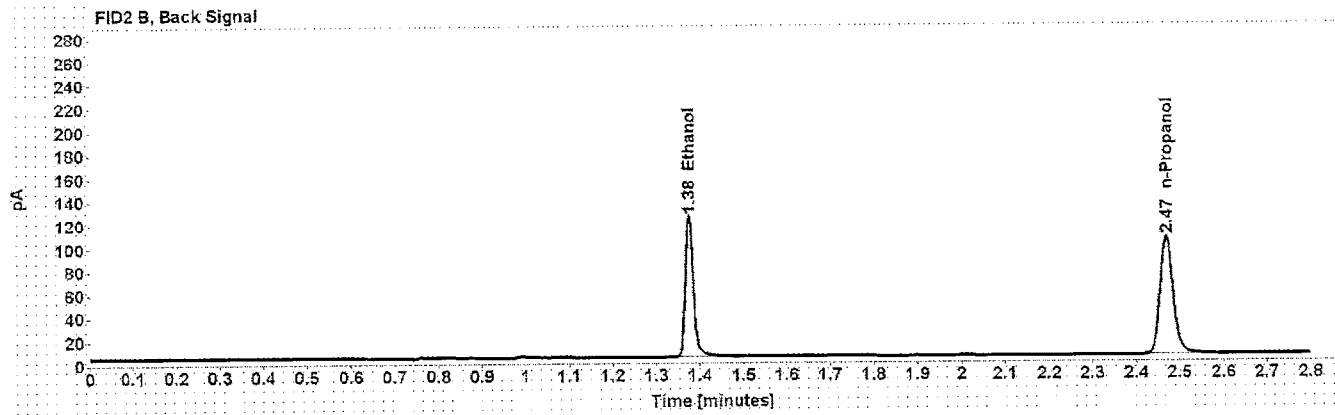
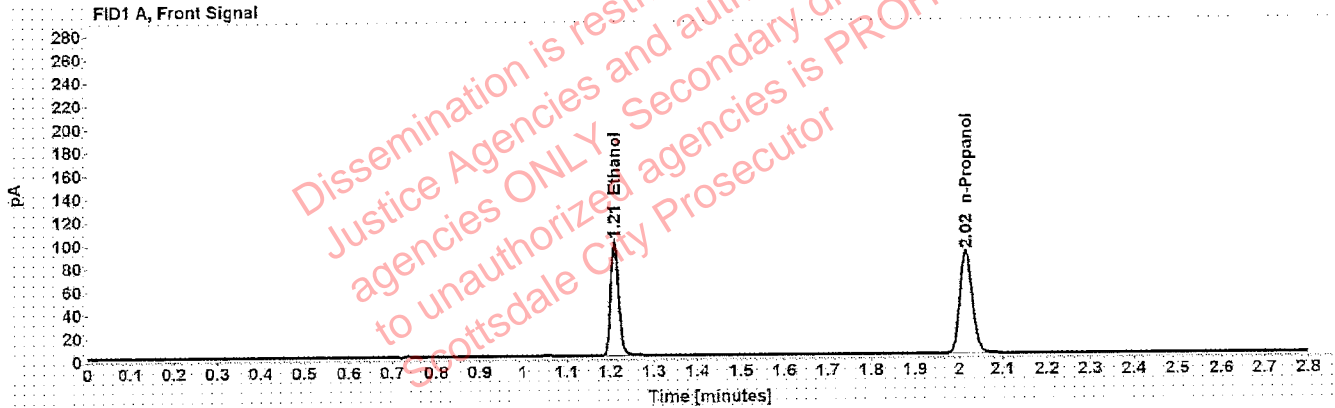


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1986	1.210	126.988
n-Propanol	-----	2.016	177.078

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

Compound	Time (min)	Peak Area
Ethanol	1.376	155.572
n-Propanol	2.470	211.167

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 43
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 12:54:18 PM
Data file: C:\Chem32\1\Data\24Dec19\43.D	Analyst: Brooke

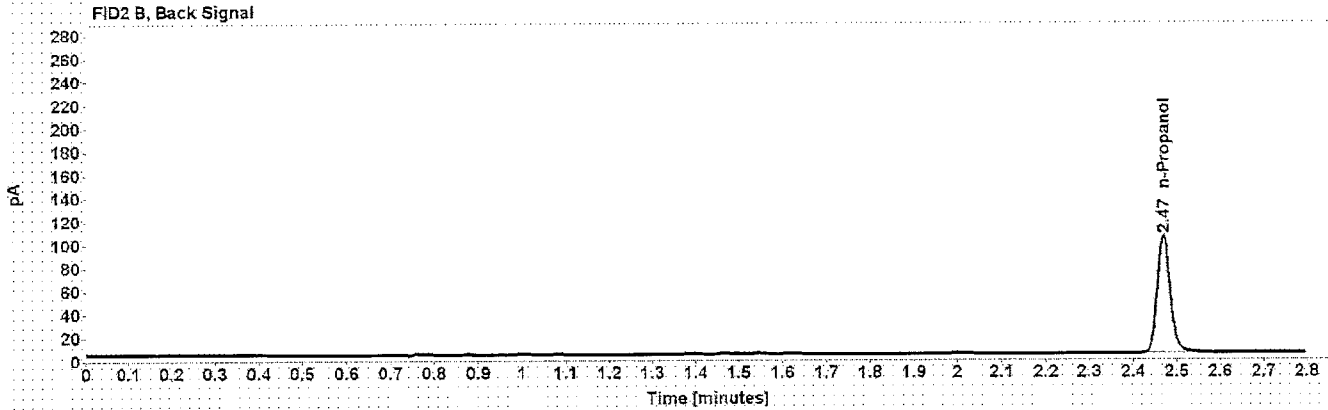
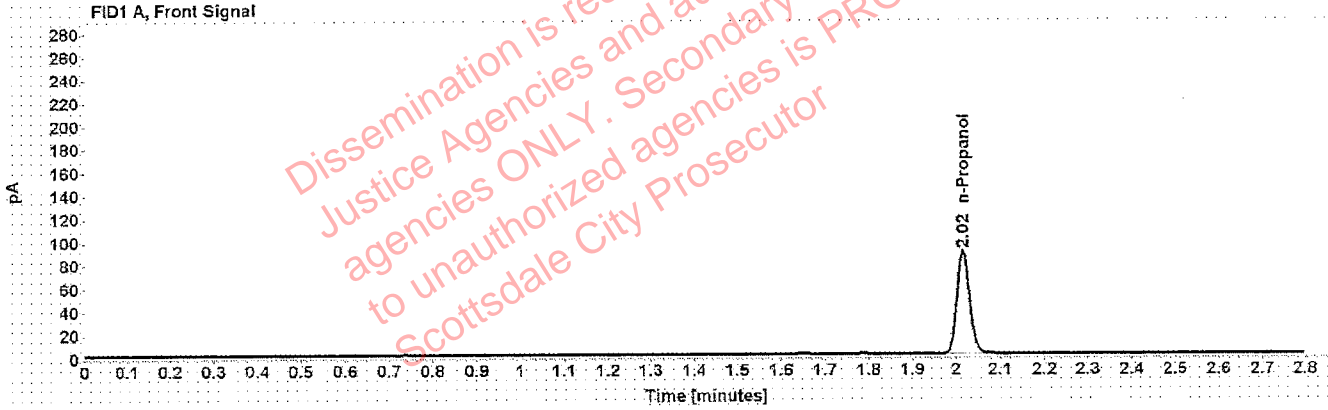


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	177.203

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	210.941

Sequence Summary

Sequence name: 24Dec19 **Instrument:** US14173023 CN14160045 **Analyst:** Brooke

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	1299788		Sample		ethanol quant.M
11	1299788		Sample		ethanol quant.M
12	1299432		Sample		ethanol quant.M
13	1299432		Sample		ethanol quant.M
14	1299689		Sample		ethanol quant.M
15	1299689		Sample		ethanol quant.M
16	31001NM		Sample		ethanol quant.M
17	31001NM		Sample		ethanol quant.M
18	34001NM		Sample		ethanol quant.M
19	34001NM		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1300598		Sample		ethanol quant.M
22	1300598		Sample		ethanol quant.M
23	1273824		Sample		ethanol quant.M
24	1273824		Sample		ethanol quant.M
25	20001CG		Sample		ethanol quant.M
26	20001CG		Sample		ethanol quant.M
27	33101JB		Sample		ethanol quant.M
28	33101JB		Sample		ethanol quant.M
29	1301432		Sample		ethanol quant.M
30	1301432		Sample		ethanol quant.M
31	09022015-C	0.150	Control		ethanol quant.M
32	1301459		Sample		ethanol quant.M
33	1301459		Sample		ethanol quant.M
34	1301461		Sample		ethanol quant.M
35	1301461		Sample		ethanol quant.M
36	1301556		Sample		ethanol quant.M
37	1301556		Sample		ethanol quant.M
38	1301816		Sample		ethanol quant.M
39	1301816		Sample		ethanol quant.M
40	11092018-A	0.400	Control		ethanol quant.M
41	09022015-A	0.040	Control		ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	040919WB	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases



SEQUENCE NAME: 24Dec19

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2219	0.2211	0.22150	0.18	0.00040
12 13	0.0667	0.0671	0.06690	0.30	0.00020
14 15	0.0813	0.0814	0.08135	0.06	0.00005
16 17	0.2392	0.2426	0.24090	0.71	0.00170
18 19	0.2593	0.2541	0.25670	1.01	0.00260
21 22	0.1567	0.1568	0.15675	0.03	0.00005
23 24	0.1549	0.1553	0.15510	0.13	0.00020
25 26	0.1357	0.1350	0.13535	0.26	0.00035
27 28	0.4068	0.4065	0.40665	0.04	0.00015
29 30	0.2840	0.2856	0.28480	0.28	0.00080
32 33	0.0567	0.0561	0.05640	0.53	0.00030
34 35	0.1662	0.1646	0.16540	0.48	0.00080
36 37	0.2256	0.2260	0.22580	0.09	0.00020
38 39	0.2089	0.2054	0.20715	0.84	0.00175

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

Scottsdale Forensic Lab

Blood Alcohol Pipetting Log

ANALYST: Brooke

SEQUENCE: 24Dec19

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1299788	1299788	1299788	Yes
Vials 12 and 13	1299432	1299432	1299432	Yes
Vials 14 and 15	1299689	1299689	1299689	Yes
Vials 16 and 17	31001NM	31001NM	31001NM	Yes
Vials 18 and 19	34001NM	34001NM	34001NM	Yes
Vials 21 and 22	1300598	1300598	1300598	Yes
Vials 23 and 24	1273824	1273824	1273824	Yes
Vials 25 and 26	20001CG	20001CG	20001CG	Yes
Vials 27 and 28	33101JB	33101JB	33101JB	Yes
Vials 29 and 30	1301432	1301432	1301432	Yes
Vials 32 and 33	1301459	1301459	1301459	Yes
Vials 34 and 35	1301461	1301461	1301461	Yes
Vials 36 and 37	1301556	1301556	1301556	Yes
Vials 38 and 39	1301816	1301816	1301816	Yes

[Redacted] : Brooke, Phillip - (26-Dec-2019)

Case: [Redacted] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299788	Vial:	10
Description:	[Redacted]	LIMS ID:	[Redacted]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 10:40:47 AM
Data file:	C:\Chem32\1\Data\24Dec19\10.D	Analyst:	Brooke

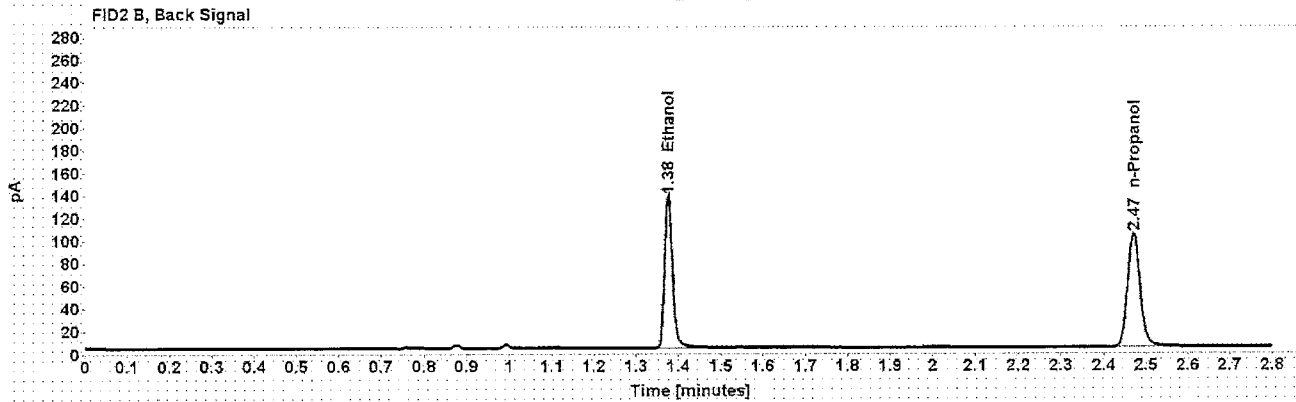
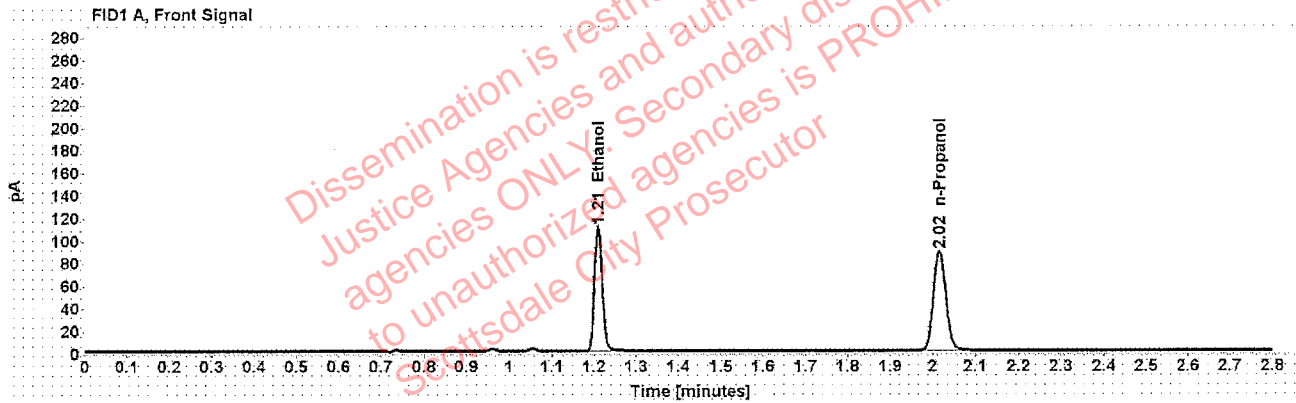


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2219	1.210	140.902
n-Propanol	-----	2.016	175.706

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

Compound	Time (min)	Peak Area
Ethanol	1.376	173.556
n-Propanol	2.470	209.359

[REDACTED] : Brooke, Phillip - (26-Dec-2019)

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299788	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 10:44:47 AM
Data file:	C:\Chem32\1\Data\24Dec19\11.D	Analyst:	Brooke

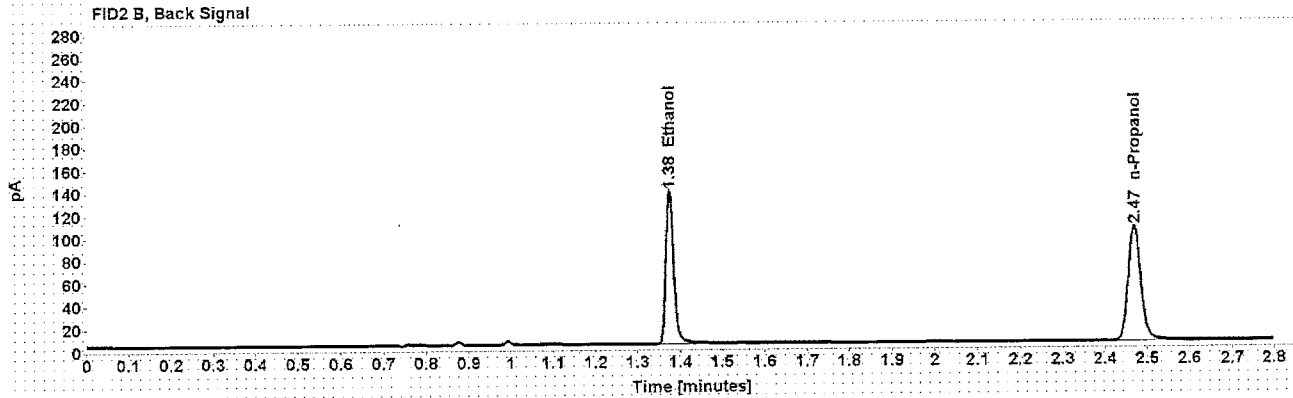
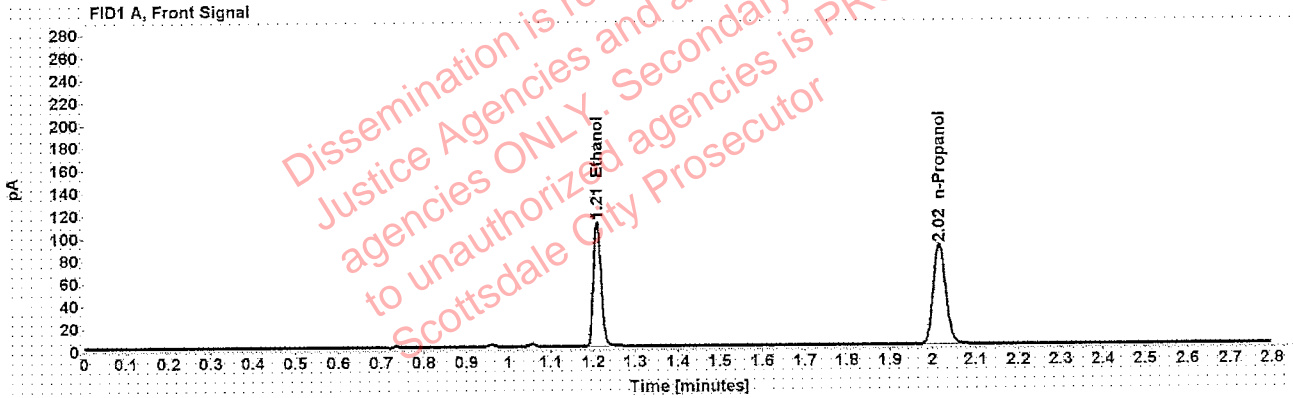


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2211	1.210	141.366
n-Propanol	-----	2.016	176.987

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

Compound	Time (min)	Peak Area
Ethanol	1.375	174.132
n-Propanol	2.469	211.534

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299432	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 10:48:48 AM
Data file:	C:\Chem32\1\Data\24Dec19\12.D	Analyst:	Brooke

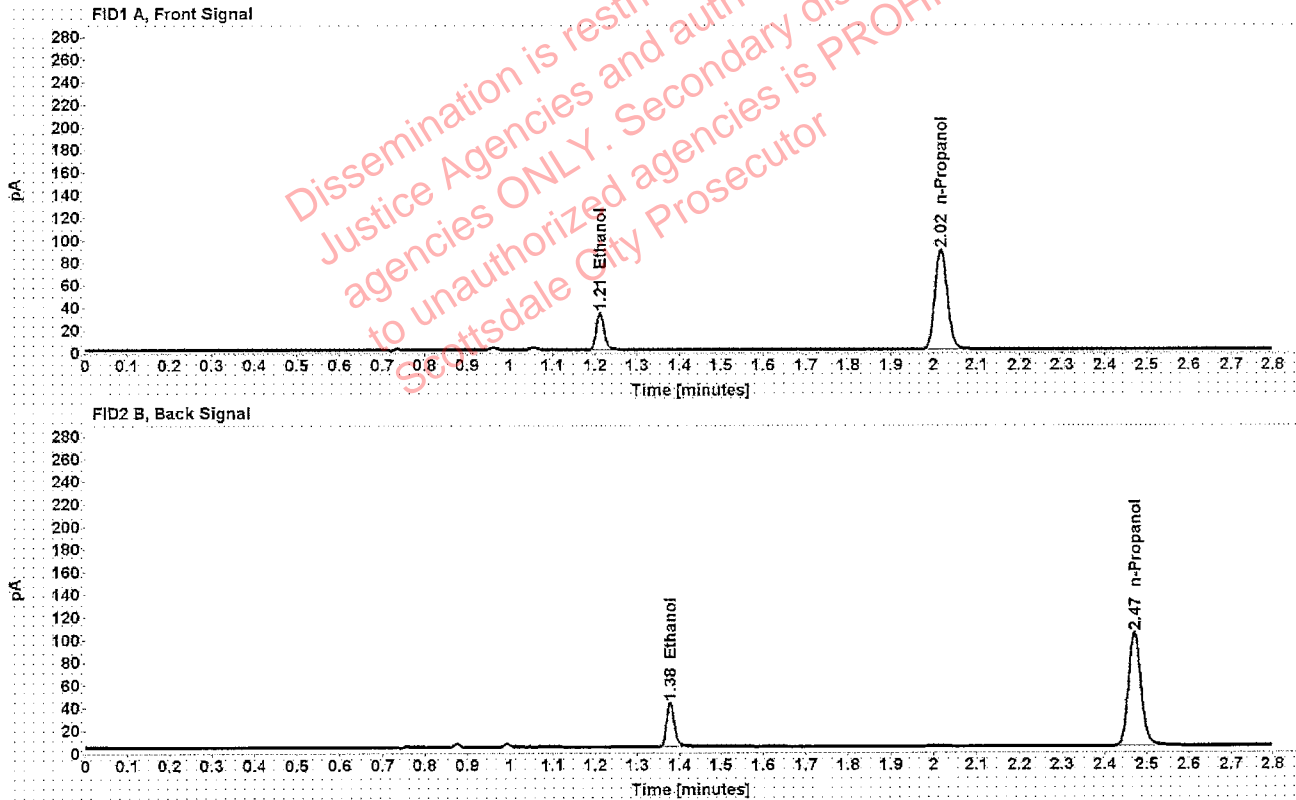


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0667	1.212	41.684
n-Propanol	-----	2.016	176.062

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

Compound	Time (min)	Peak Area
Ethanol	1.378	50.059
n-Propanol	2.471	209.537

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1299432	Vial: 13
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 24Dec19
Instrument: US14173023 CN14160045	Injection date: 12/24/2019 10:53:02 AM
Data file: C:\Chem32\1\Data\24Dec19\13.D	Analyst: Brooke

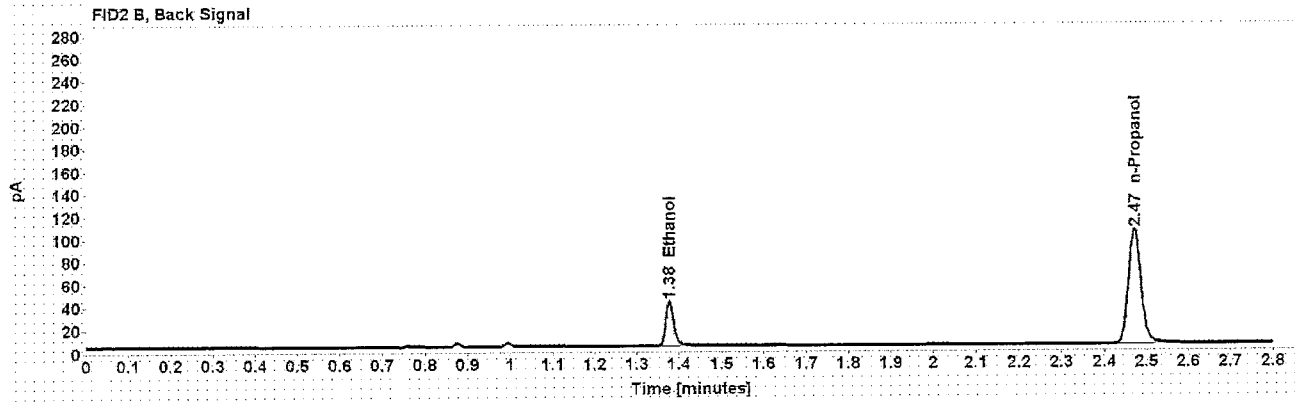
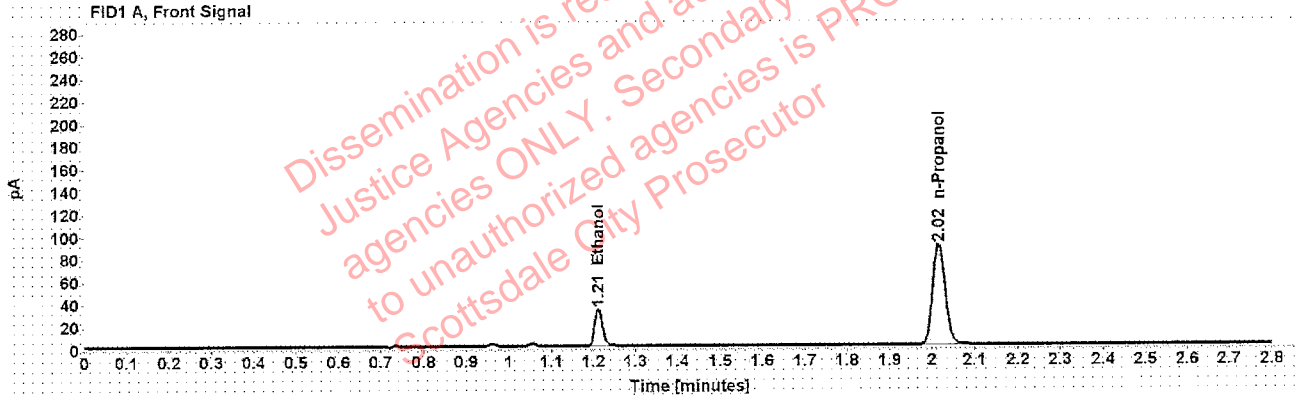


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0671	1.212	42.332
n-Propanol	-----	2.017	177.732

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

Compound	Time (min)	Peak Area
Ethanol	1.378	50.772
n-Propanol	2.471	211.222

Brooke, Phillip - (26-Dec-2019)

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299689	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 10:57:03 AM
Data file:	C:\Chem32\1\Data\24Dec19\14.D	Analyst:	Brooke

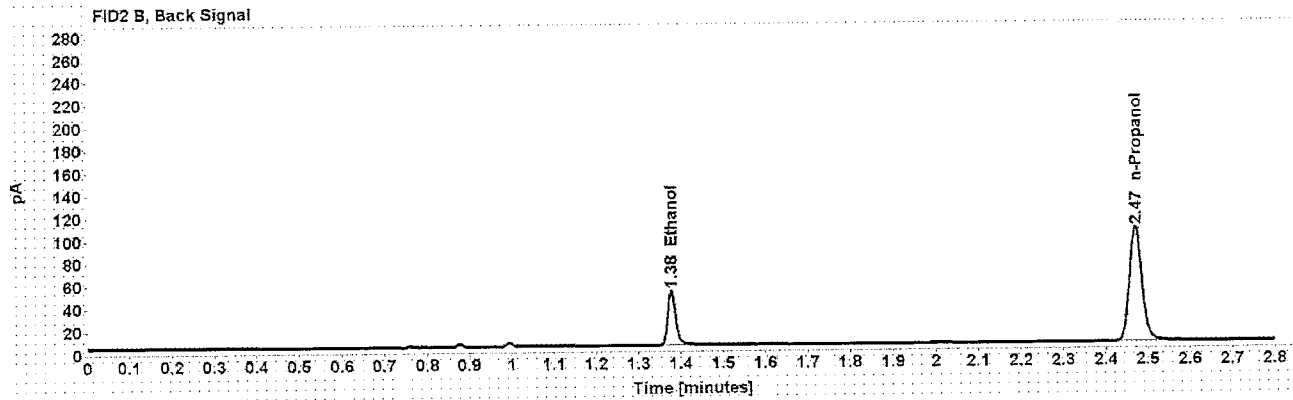
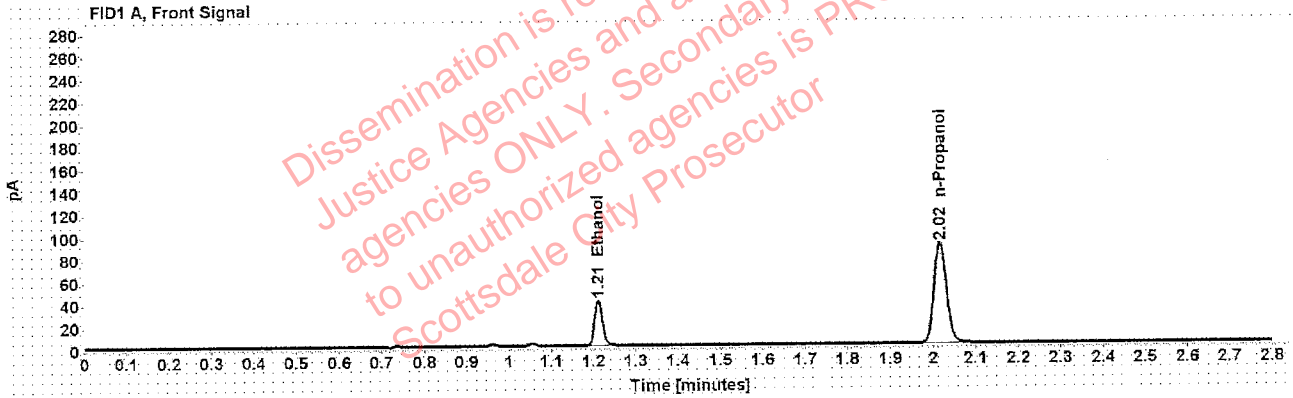


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0813	1.211	51.652
n-Propanol	-----	2.017	178.128

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

Compound	Time (min)	Peak Area
Ethanol	1.378	62.135
n-Propanol	2.471	211.815

[REDACTED] : Brooke, Phillip - (26-Dec-2019)

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299689	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:01:03 AM
Data file:	C:\Chem32\1\Data\24Dec19\15.D	Analyst:	Brooke

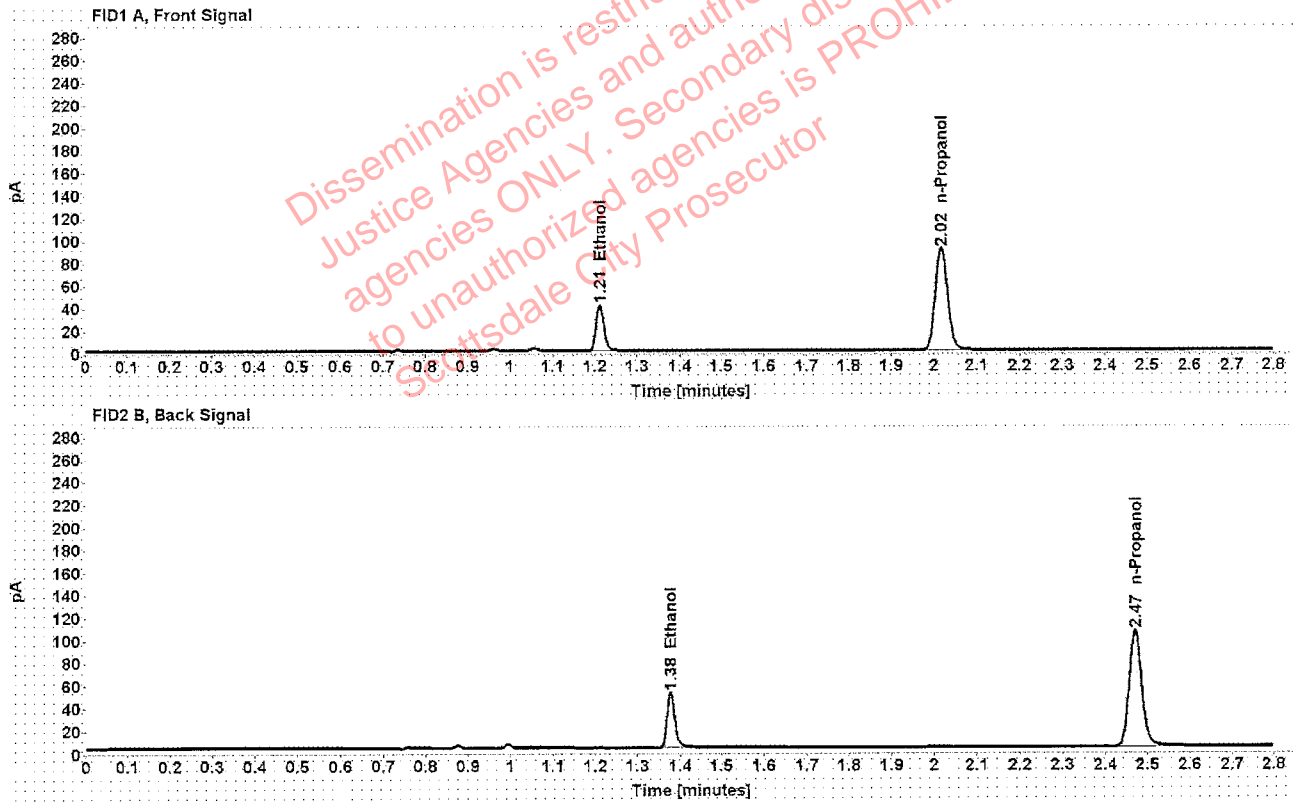


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.211	52.283
n-Propanol	-----	2.017	180.057

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

Compound	Time (min)	Peak Area
Ethanol	1.378	62.894
n-Propanol	2.471	214.468

Brooke, Phillip - (26-Dec-2019)

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31001NM	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:05:02 AM
Data file:	C:\Chem32\1\Data\24Dec19\16.D	Analyst:	Brooke

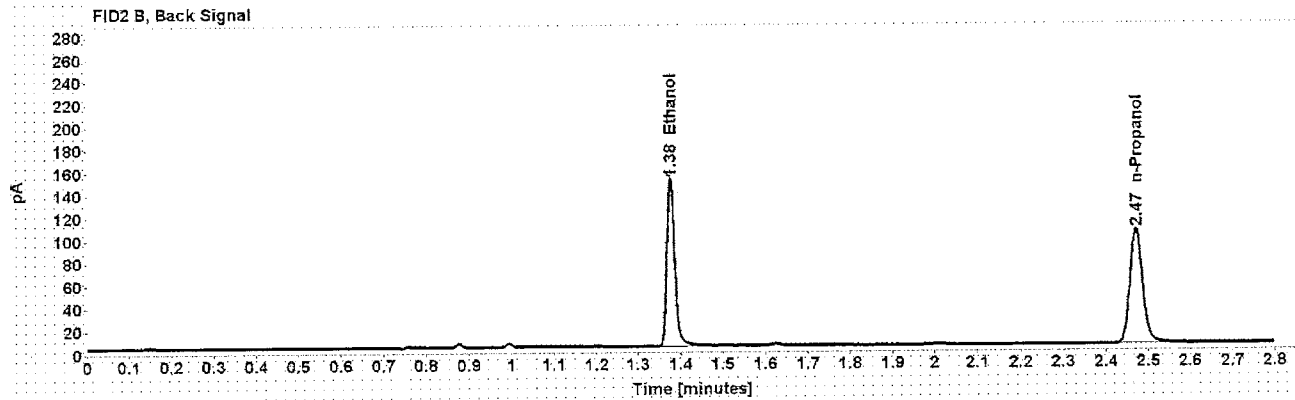
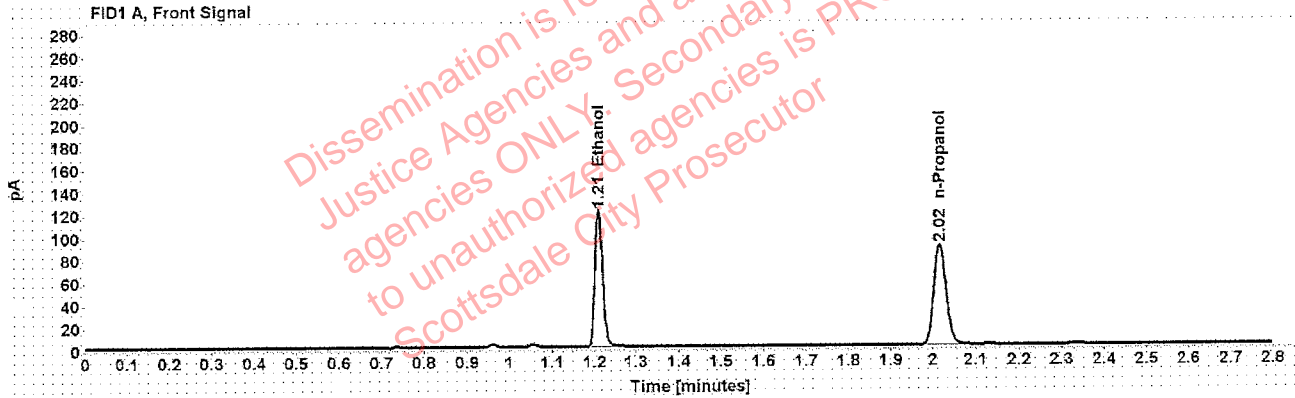


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2392	1.210	154.424
n-Propanol	-----	2.017	178.567

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

Compound	Time (min)	Peak Area
Ethanol	1.377	190.559
n-Propanol	2.471	212.110

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31001NM	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:09:02 AM
Data file:	C:\Chem32\1\Data\24Dec19\17.D	Analyst:	Brooke

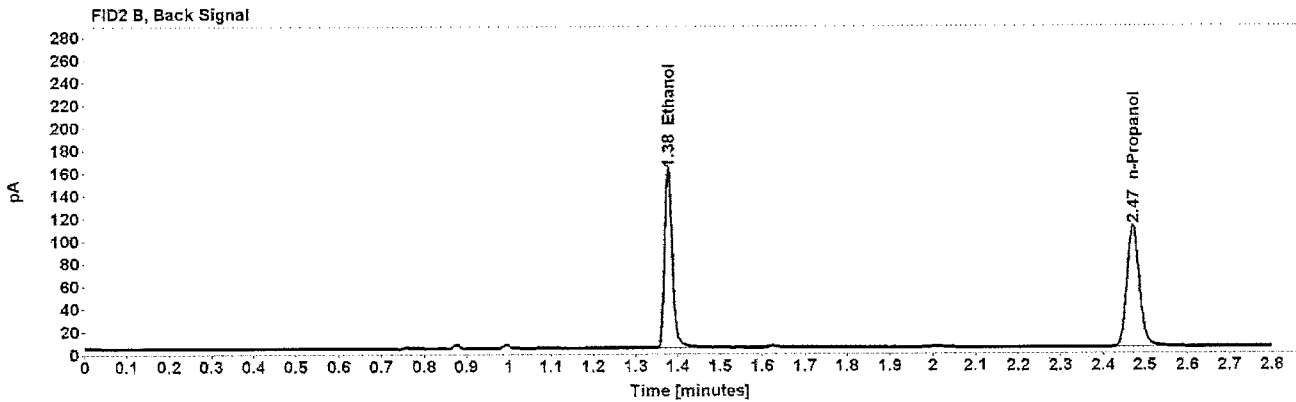
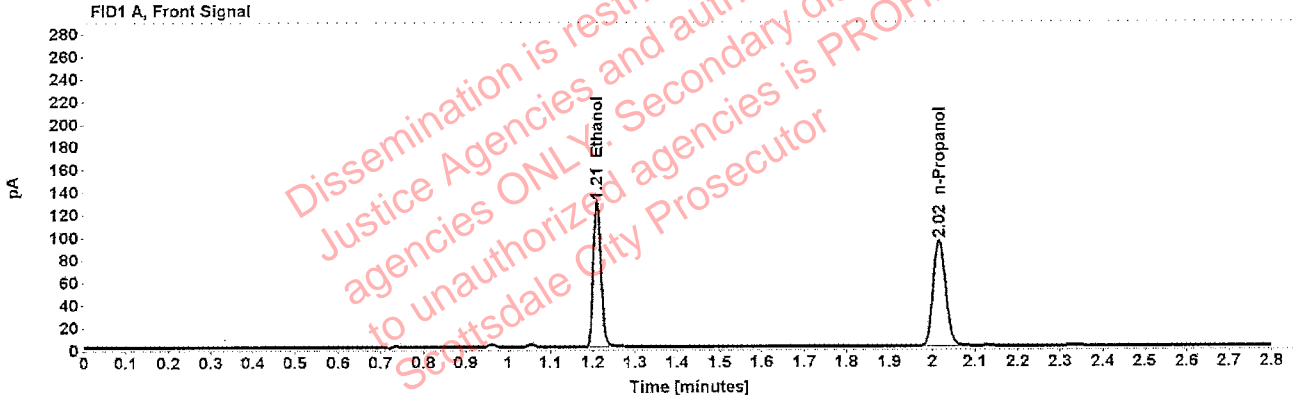


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2426	1.210	164.803
n-Propanol	-----	2.017	187.840

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

Compound	Time (min)	Peak Area
Ethanol	1.377	203.119
n-Propanol	2.471	223.583

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001NM	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:13:02 AM
Data file:	C:\Chem32\1\Data\24Dec19\18.D	Analyst:	Brooke

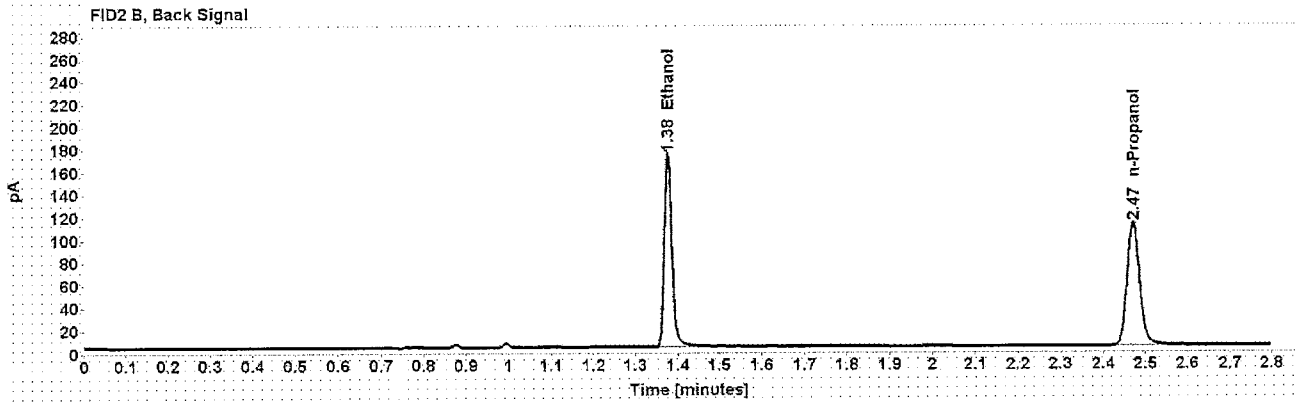
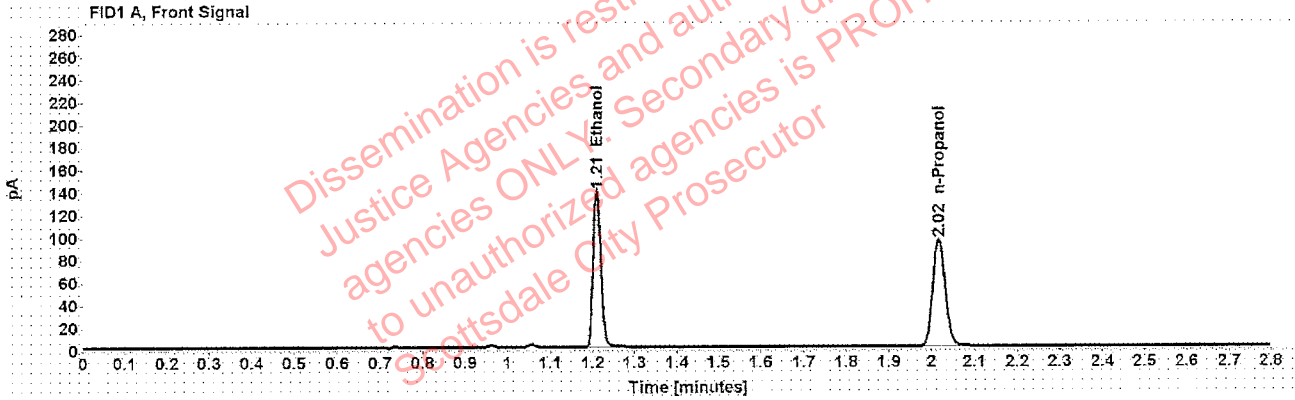


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2593	1.210	177.727
n-Propanol	-----	2.017	189.436

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

Compound	Time (min)	Peak Area
Ethanol	1.377	218.955
n-Propanol	2.471	226.971

[REDACTED]: Brooke, Phillip - (26-Dec-2019)

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001NM	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:17:17 AM
Data file:	C:\Chem3211\Data\24Dec19\19.D	Analyst:	Brooke

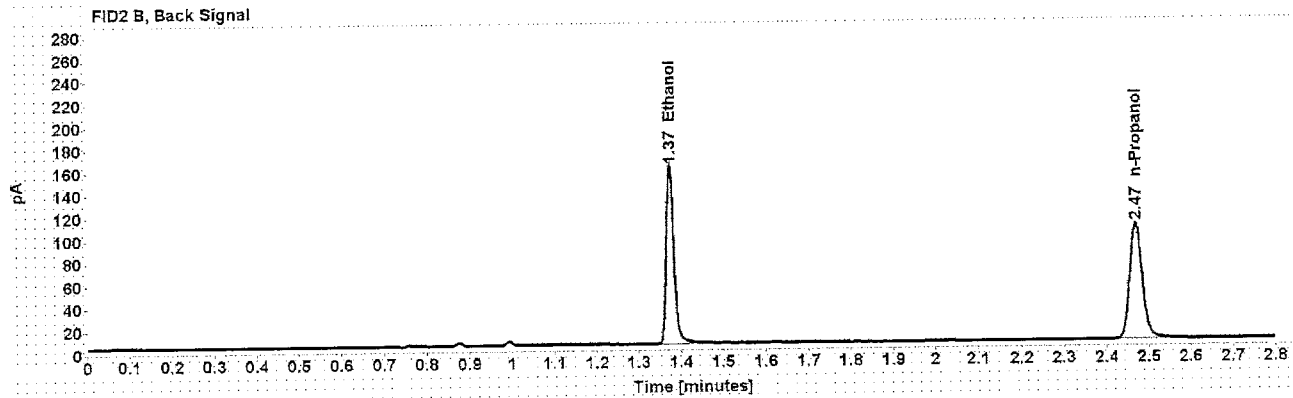
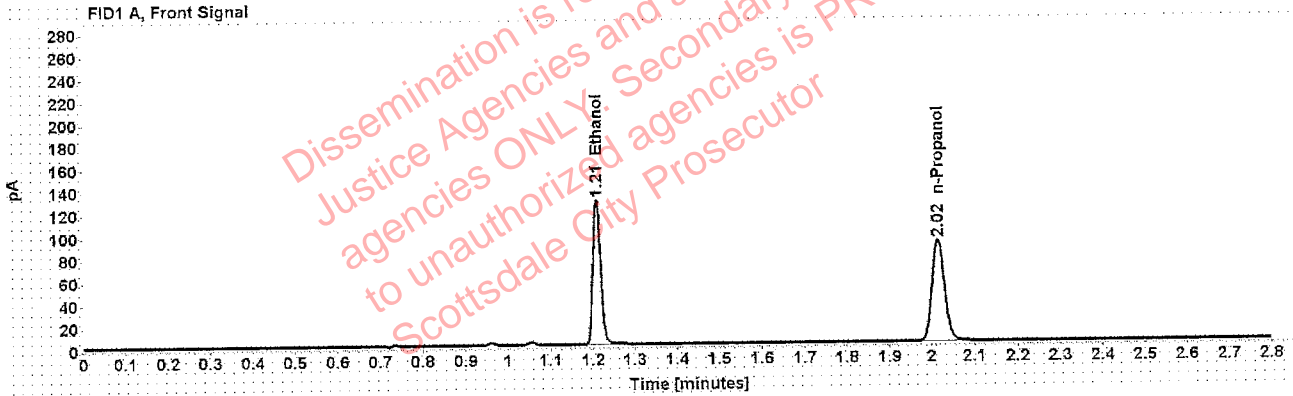


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2541	1.209	164.964
n-Propanol	-----	2.015	179.503

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

Compound	Time (min)	Peak Area
Ethanol	1.375	202.984
n-Propanol	2.469	214.838

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300598	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:25:18 AM
Data file:	C:\Chem32\1\Data\24Dec19\21.D	Analyst:	Brooke

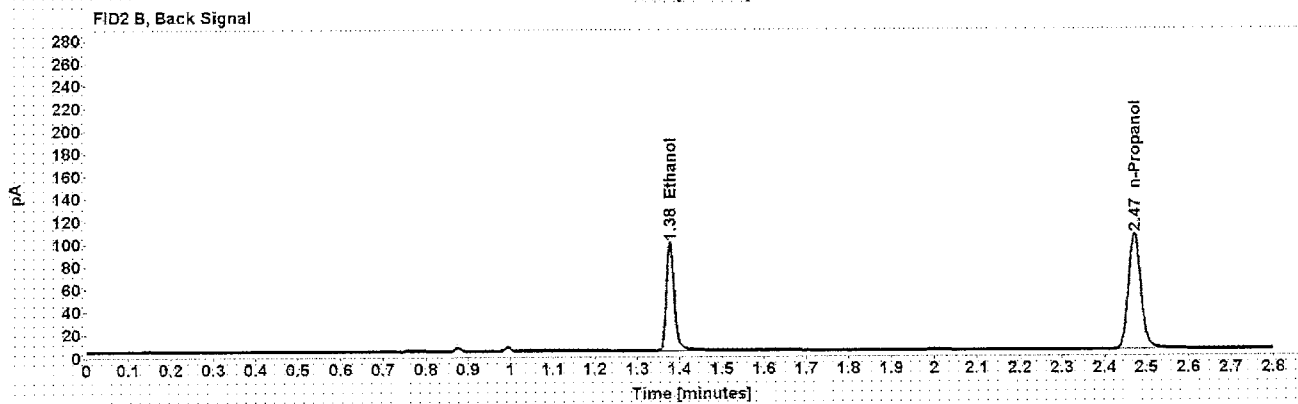
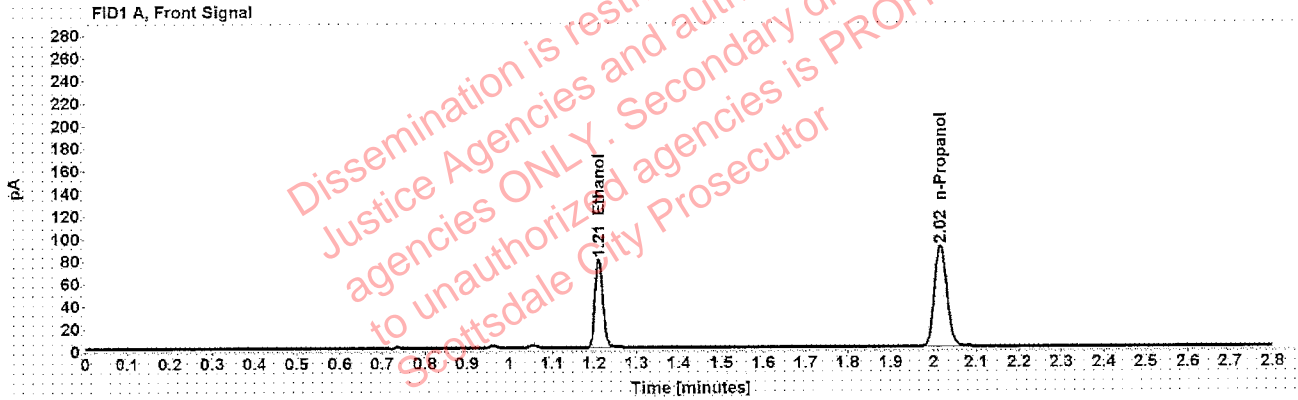


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1567	1.211	101.062
n-Propanol	-----	2.017	179.081

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

Compound	Time (min)	Peak Area
Ethanol	1.377	124.601
n-Propanol	2.471	211.390

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300598	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:29:18 AM
Data file:	C:\Chem32\1\Data\24Dec19\22.D	Analyst:	Brooke

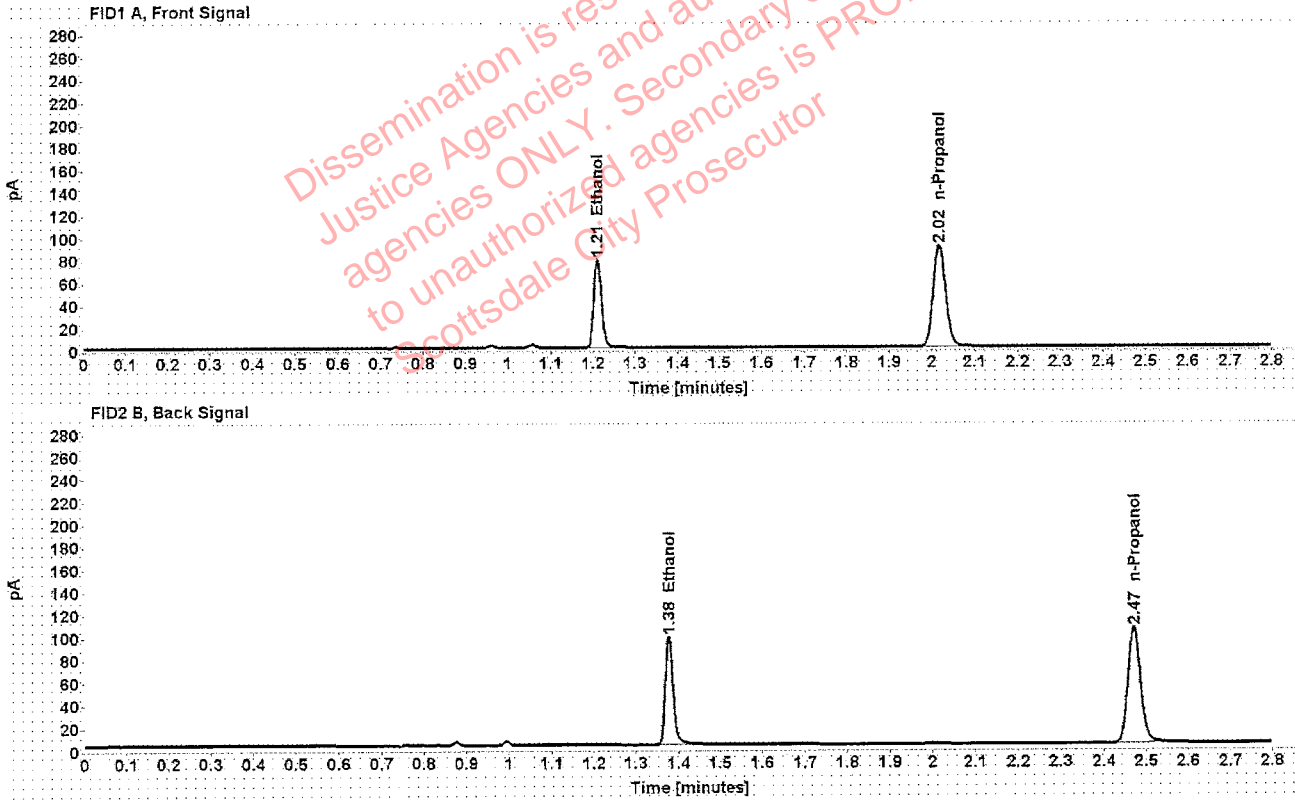


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1568	1.211	101.247
n-Propanol	-----	2.017	179.256

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

Compound	Time (min)	Peak Area
Ethanol	1.377	124.858
n-Propanol	2.471	211.965

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1273824	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:33:17 AM
Data file:	C:\Chem32\1\Data\24Dec19\23.D	Analyst:	Brooke

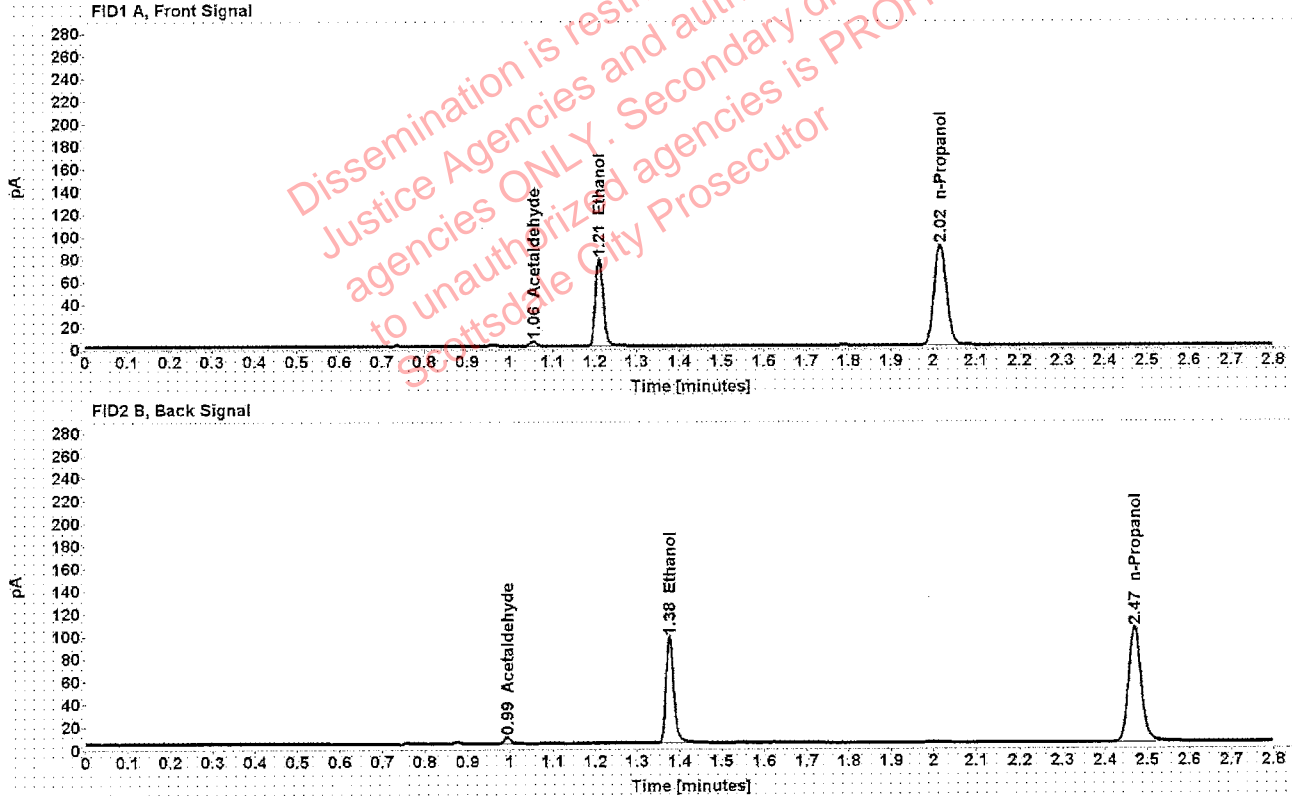


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.168
>Ethanol	0.1549	1.210	98.945
n-Propanol	-----	2.016	177.371

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.405
Ethanol	1.376	120.699
n-Propanol	2.470	211.513

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1273824	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:37:18 AM
Data file:	C:\Chem32\1\Data\24Dec19\24.D	Analyst:	Brooke

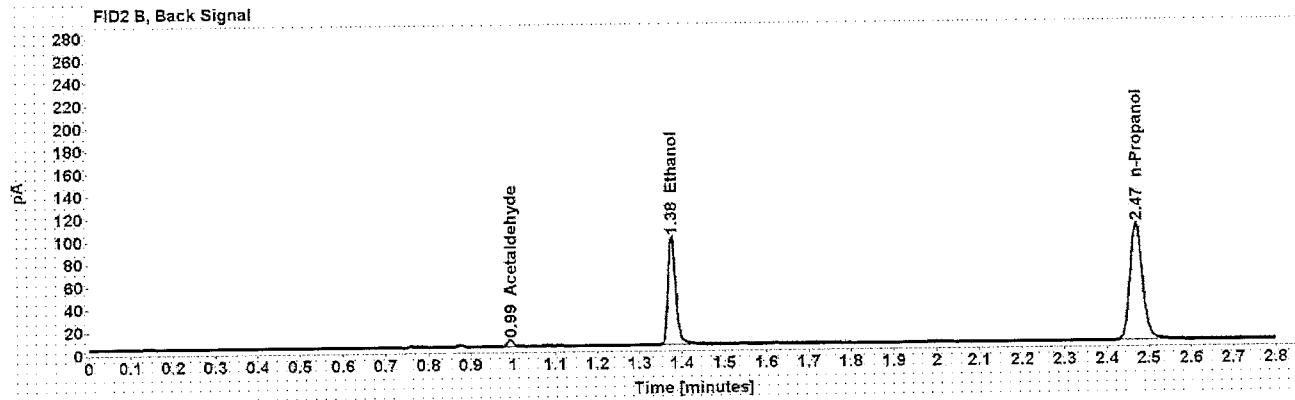
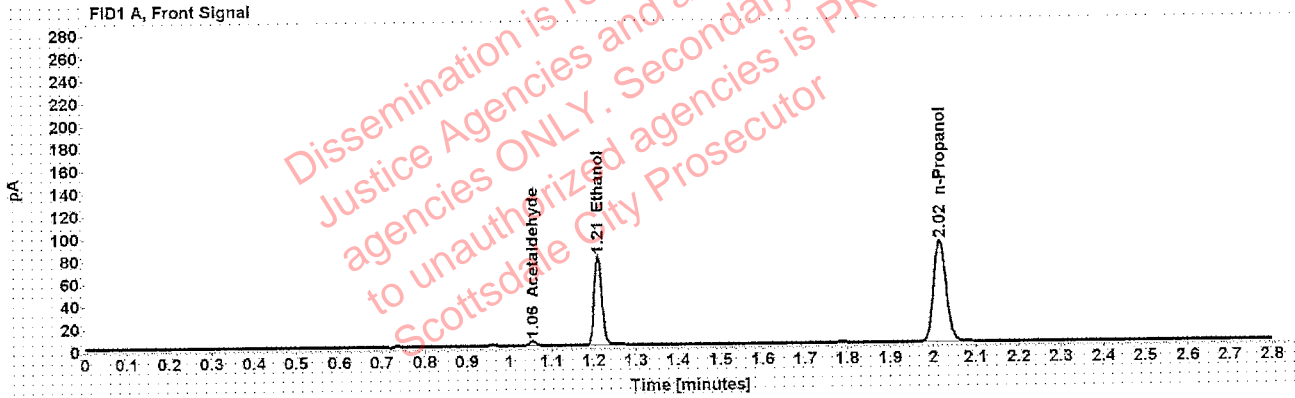


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.153
>Ethanol	0.1553	1.210	100.902
n-Propanol	-----	2.016	180.373

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.379
Ethanol	1.376	122.994
n-Propanol	2.470	215.026

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20001CG	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:41:32 AM
Data file:	C:\Chem3211\Data\24Dec19\25.D	Analyst:	Brooke

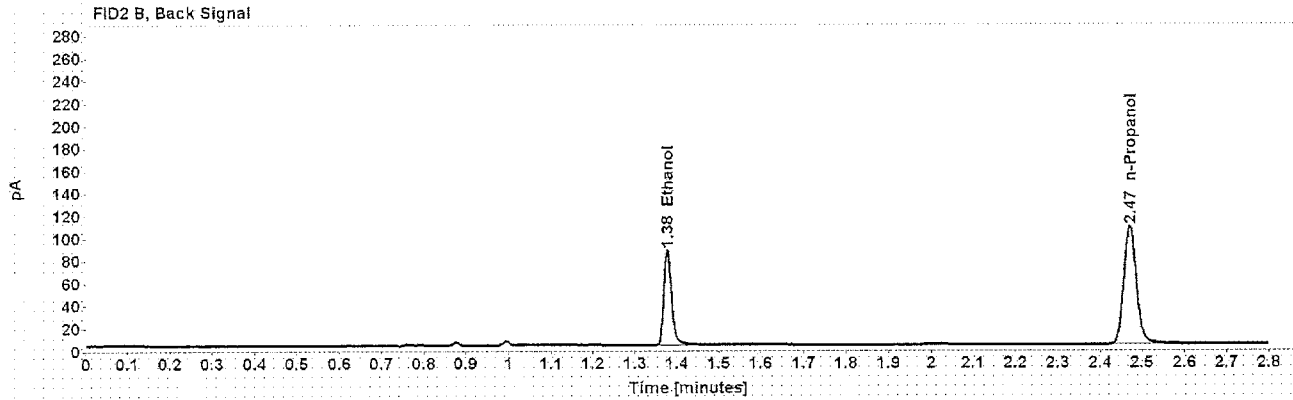
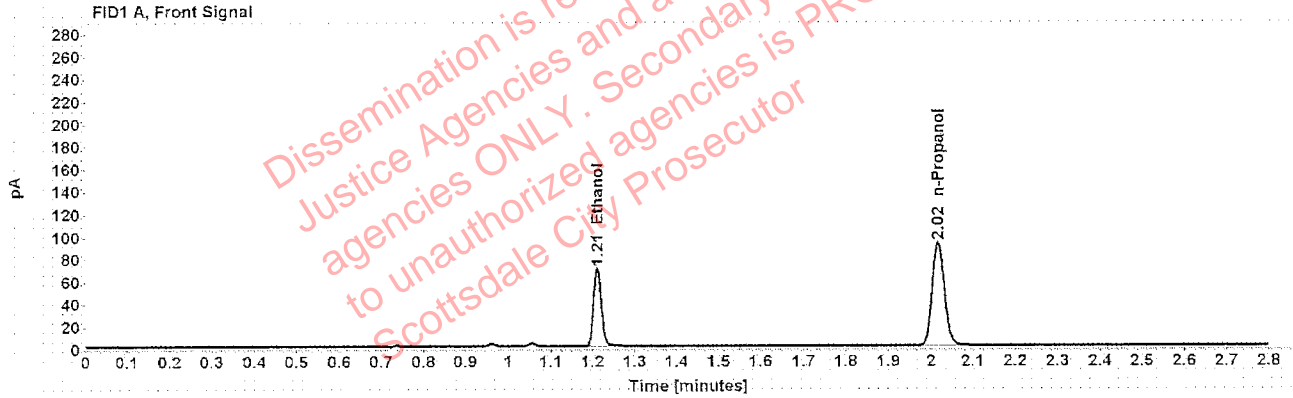


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1357	1.211	89.616
n-Propanol	-----	2.017	183.681

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

Compound	Time (min)	Peak Area
Ethanol	1.377	110.210
n-Propanol	2.471	219.152

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20001CG	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:45:33 AM
Data file:	C:\Chem32\1\Data\24Dec19\26.D	Analyst:	Brooke

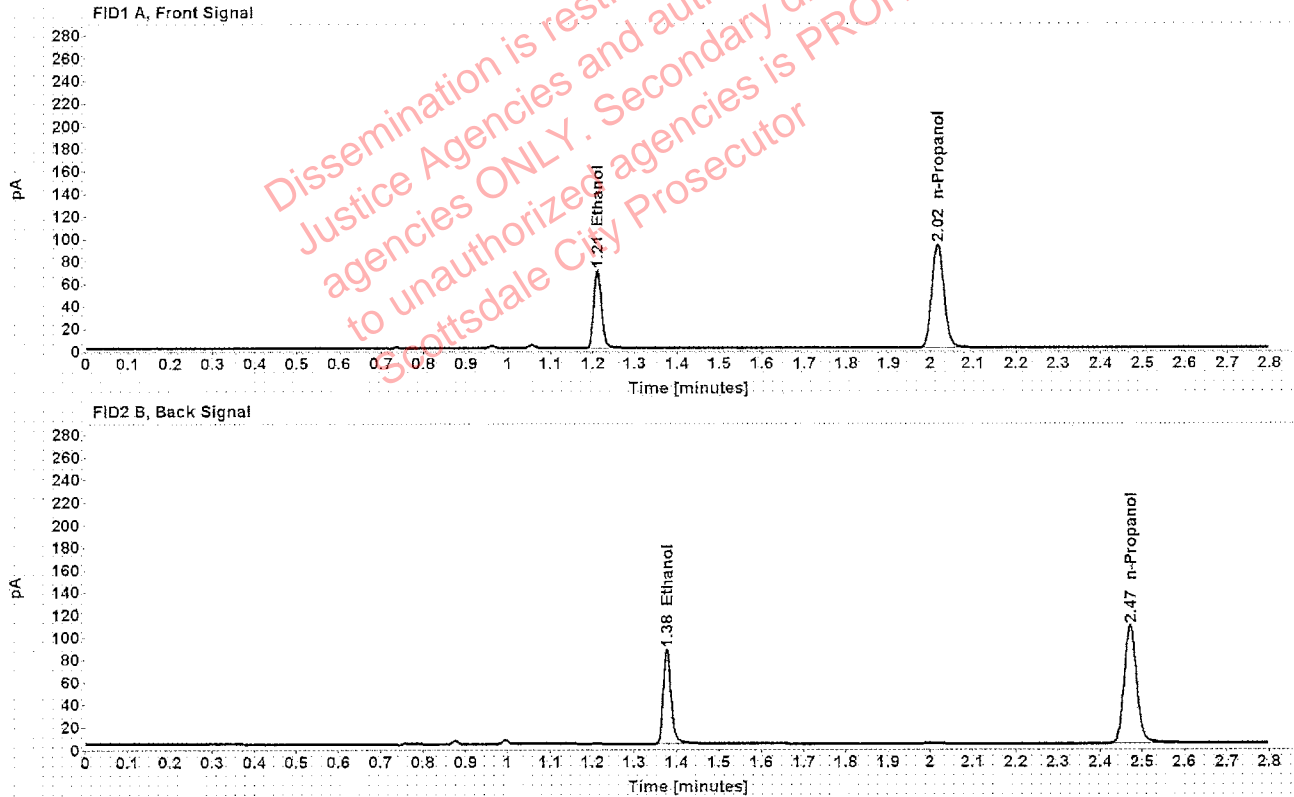


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1350	1.211	89.221
n-Propanol	-----	2.017	183.858

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

Compound	Time (min)	Peak Area
Ethanol	1.377	108.136
n-Propanol	2.471	219.428

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33101JB	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:49:32 AM
Data file:	C:\Chem32\1\Data\24Dec19\27.D	Analyst:	Brooke

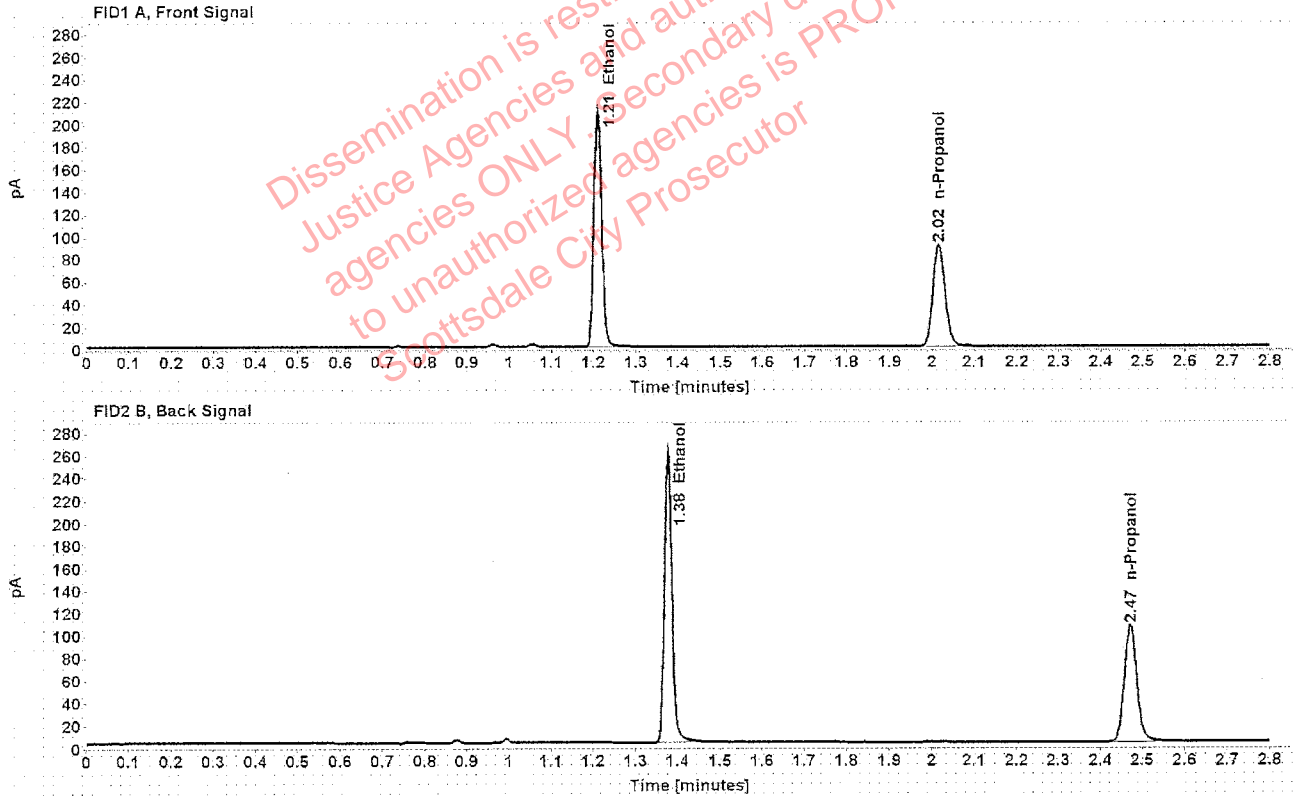


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4068	1.210	266.787
n-Propanol	-----	2.017	180.873

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

Compound	Time (min)	Peak Area
Ethanol	1.377	326.531
n-Propanol	2.471	216.820

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33101JB	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:53:32 AM
Data file:	C:\Chem32\1\Data\24Dec19\28.D	Analyst:	Brooke

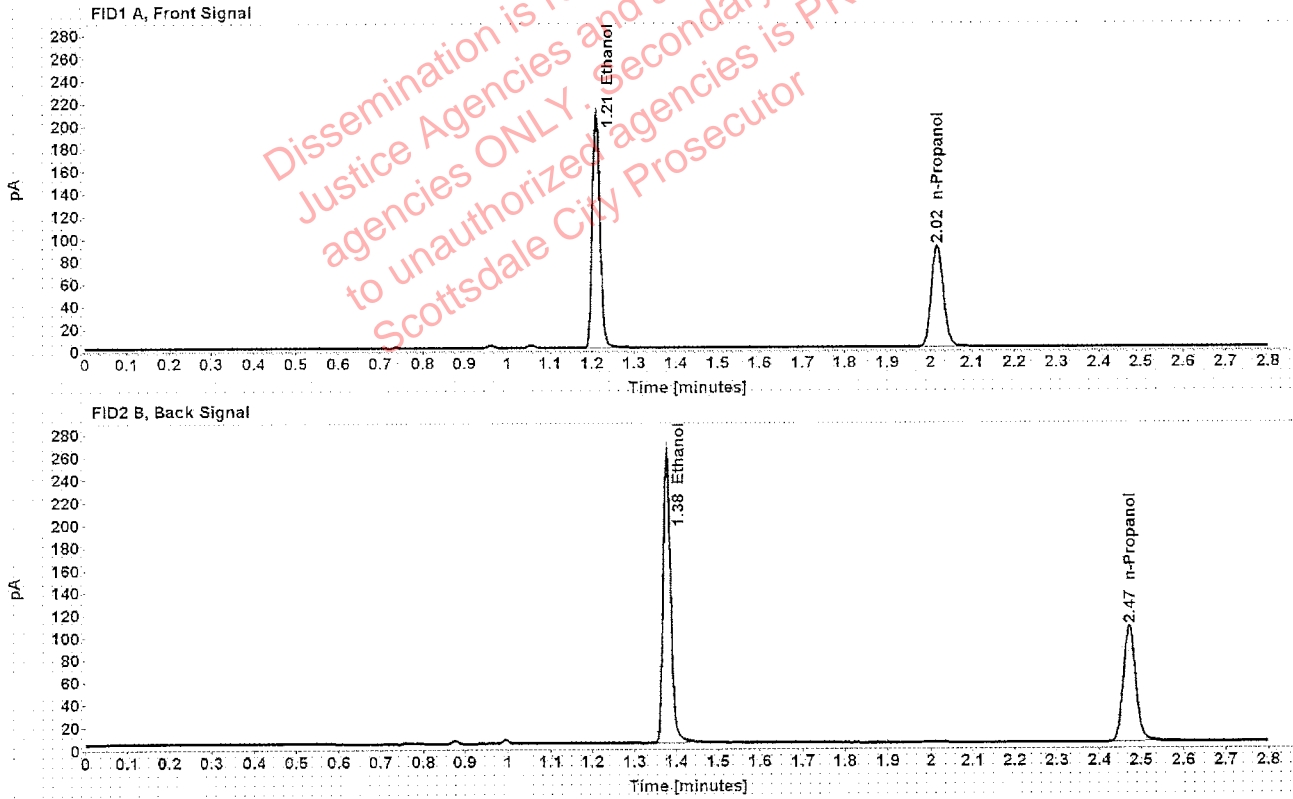


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4065	1.210	265.332
n-Propanol	-----	2.017	179.988

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

Compound	Time (min)	Peak Area
Ethanol	1.377	325.261
n-Propanol	2.471	213.332

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301432	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 11:57:32 AM
Data file:	C:\Chem32\11\Data\24Dec19\29.D	Analyst:	Brooke

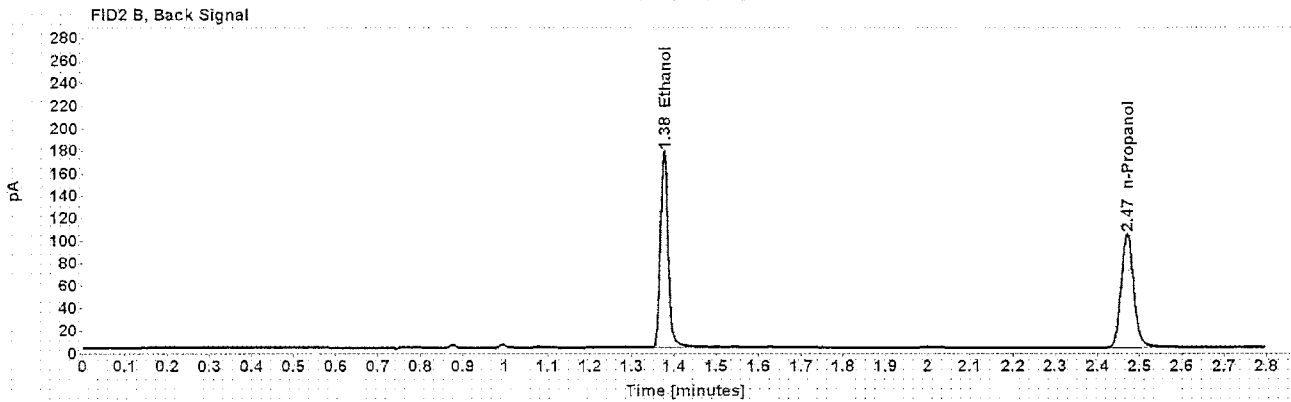
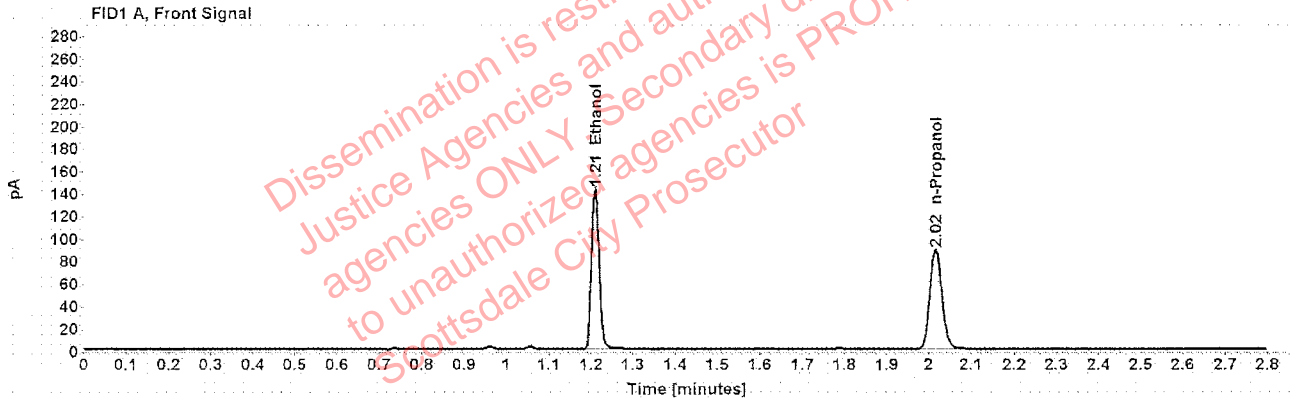


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2840	1.210	182.158
n-Propanol	-----	2.016	177.186

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

Compound	Time (min)	Peak Area
Ethanol	1.376	222.981
n-Propanol	2.470	209.946

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301432	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:01:33 PM
Data file:	C:\Chem32\1\Data\24Dec19\30.D	Analyst:	Brooke

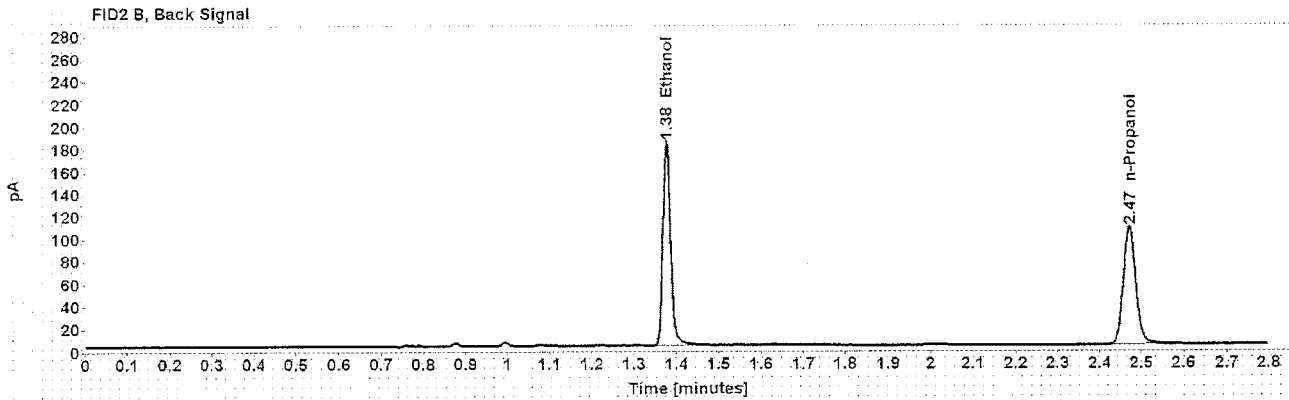
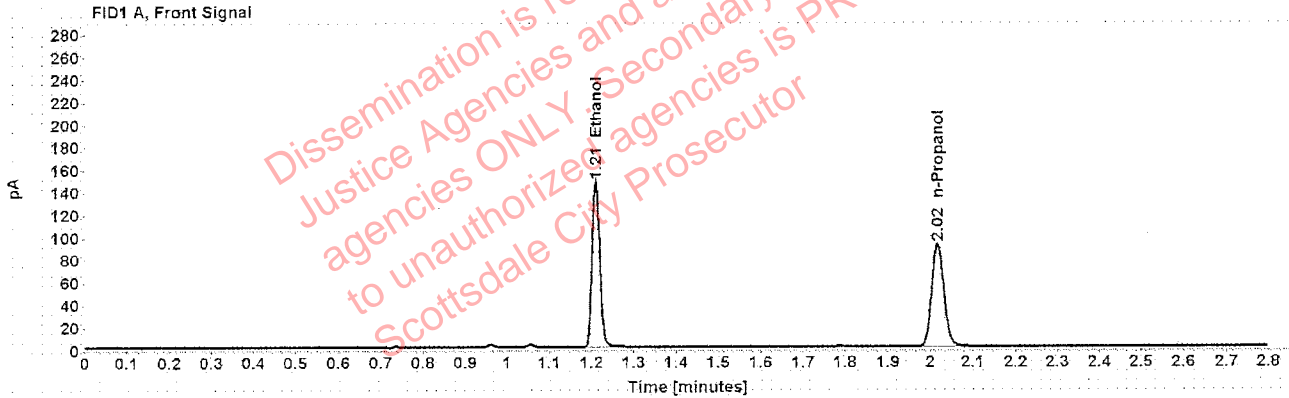


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2856	1.210	188.783
n-Propanol	-----	2.017	182.599

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

Compound	Time (min)	Peak Area
Ethanol	1.377	232.411
n-Propanol	2.471	216.416

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301459	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:09:48 PM
Data file:	C:\Chem32\1\Data\24Dec19\32.D	Analyst:	Brooke

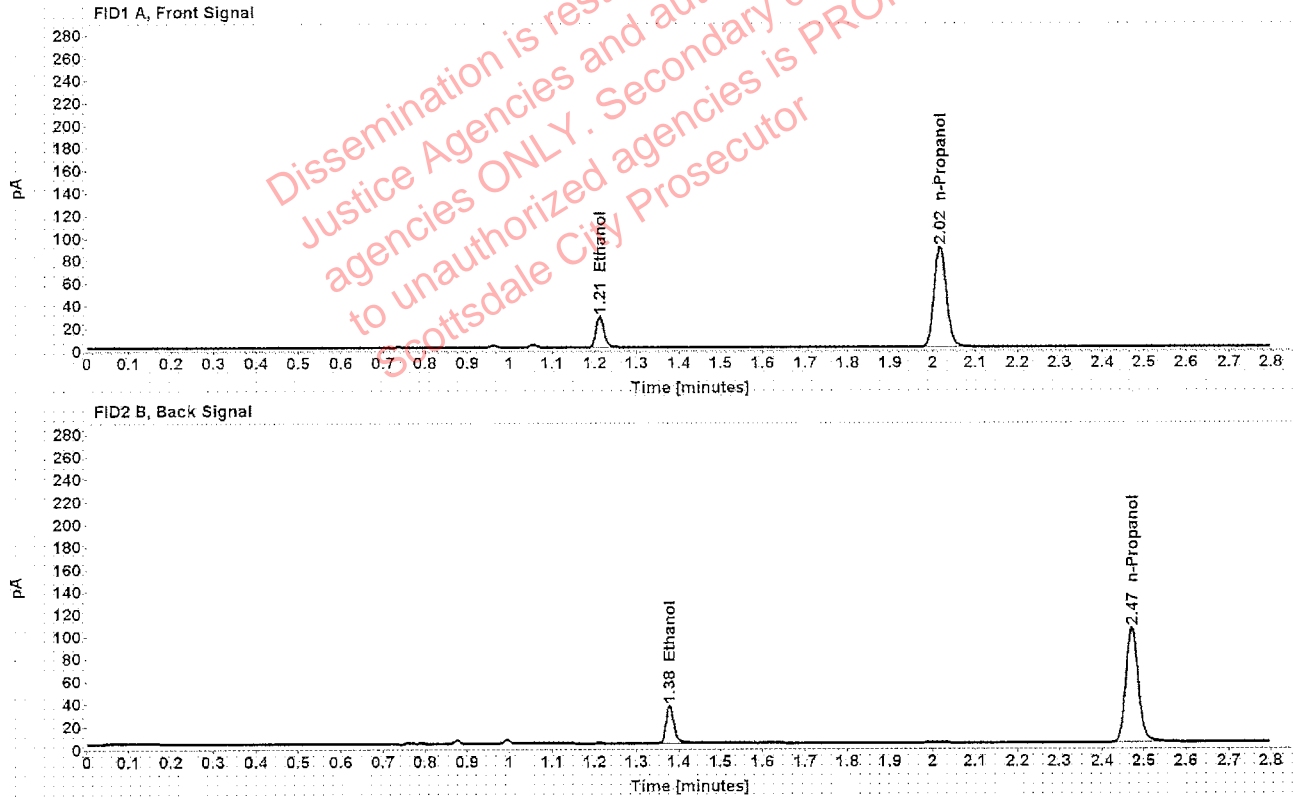


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0567	1.212	35.761
n-Propanol	-----	2.017	178.726

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

Compound	Time (min)	Peak Area
Ethanol	1.378	44.004
n-Propanol	2.471	212.829

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301459	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:13:48 PM
Data file:	C:\Chem32\1\Data\24Dec19\33.D	Analyst:	Brooke

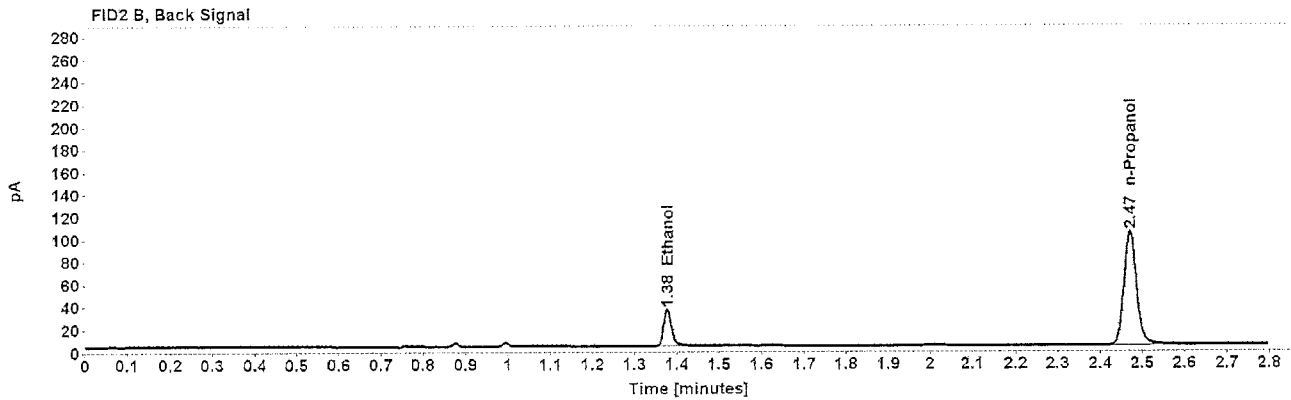
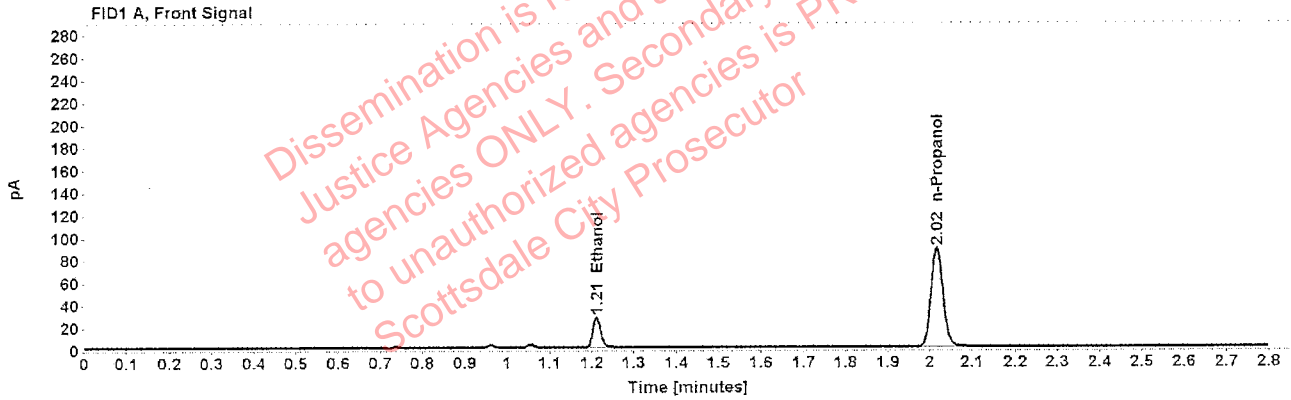


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0561	1.212	34.903
n-Propanol	-----	2.016	176.163

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

Compound	Time (min)	Peak Area
Ethanol	1.377	42.120
n-Propanol	2.470	210.213

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301461	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:17:47 PM
Data file:	C:\Chem32\1\Data\24Dec19\34.D	Analyst:	Brooke

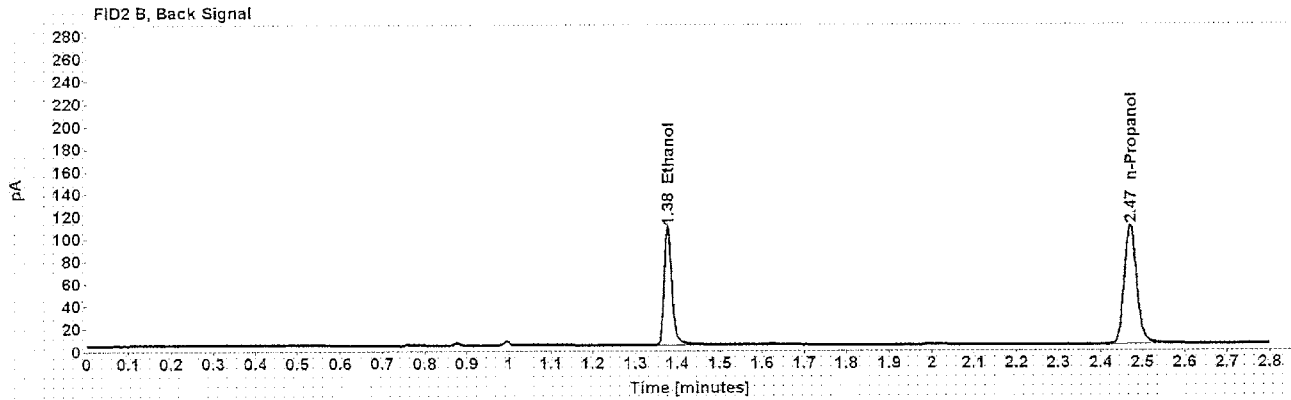
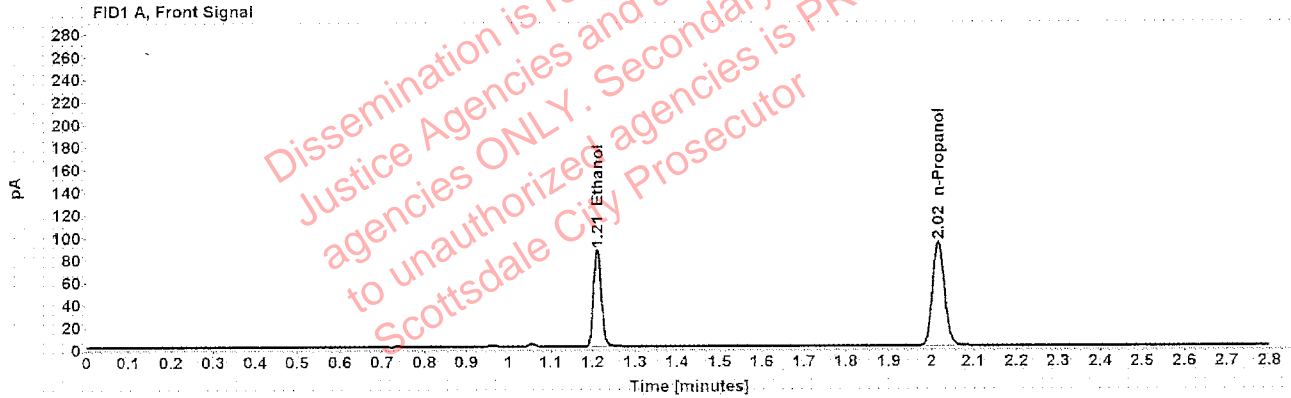


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1662	1.211	110.841
n-Propanol	-----	2.017	185.074

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

Compound	Time (min)	Peak Area
Ethanol	1.377	136.590
n-Propanol	2.471	219.313

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301461	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:21:47 PM
Data file:	C:\Chem32\1\Data\24Dec19\35.D	Analyst:	Brooke

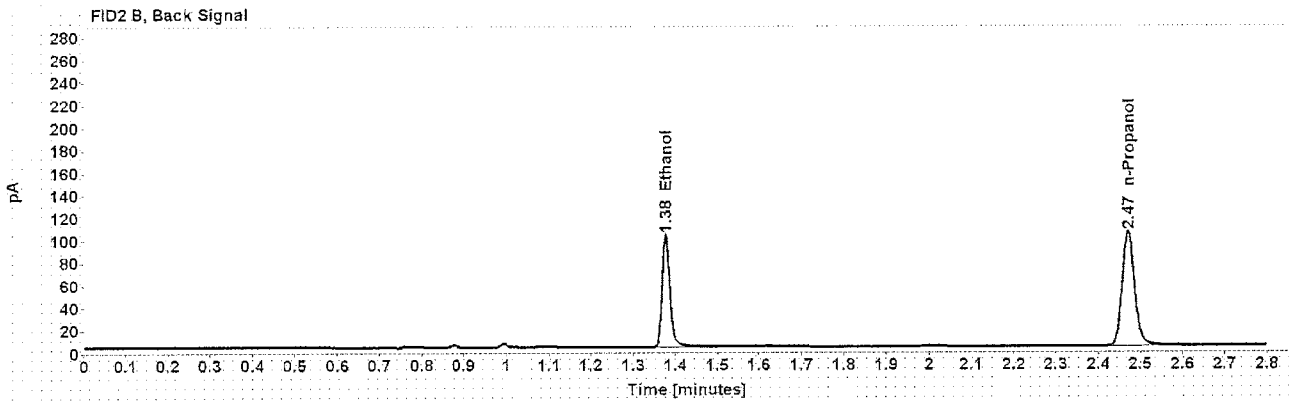
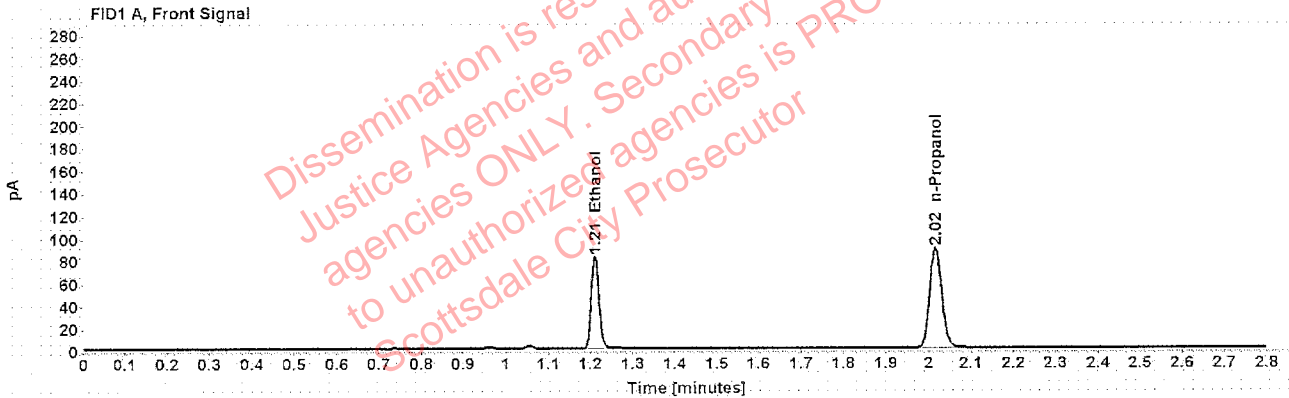


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1646	1.211	105.045
n-Propanol	-----	2.017	177.074

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

Compound	Time (min)	Peak Area
Ethanol	1.377	129.703
n-Propanol	2.471	209.854

Case: [REDACTED] User: pbrooke 12/26/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301556	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:25:47 PM
Data file:	C:\Chem32\1\Data\24Dec19\36.D	Analyst:	Brooke

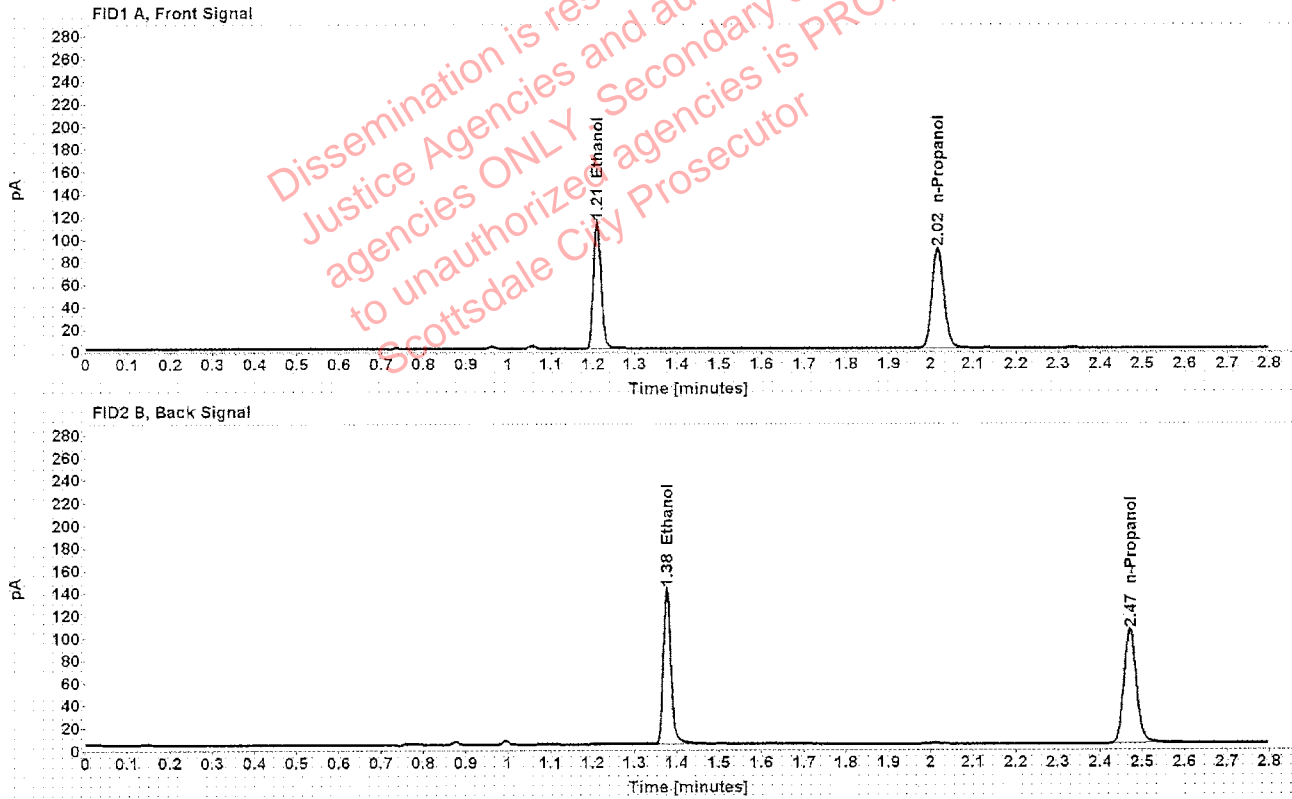


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2256	1.210	144.757
n-Propanol	-----	2.016	177.519

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

Compound	Time (min)	Peak Area
Ethanol	1.377	178.072
n-Propanol	2.470	210.601

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301556	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:30:02 PM
Data file:	C:\Chem32\1\Data\24Dec19\37.D	Analyst:	Brooke

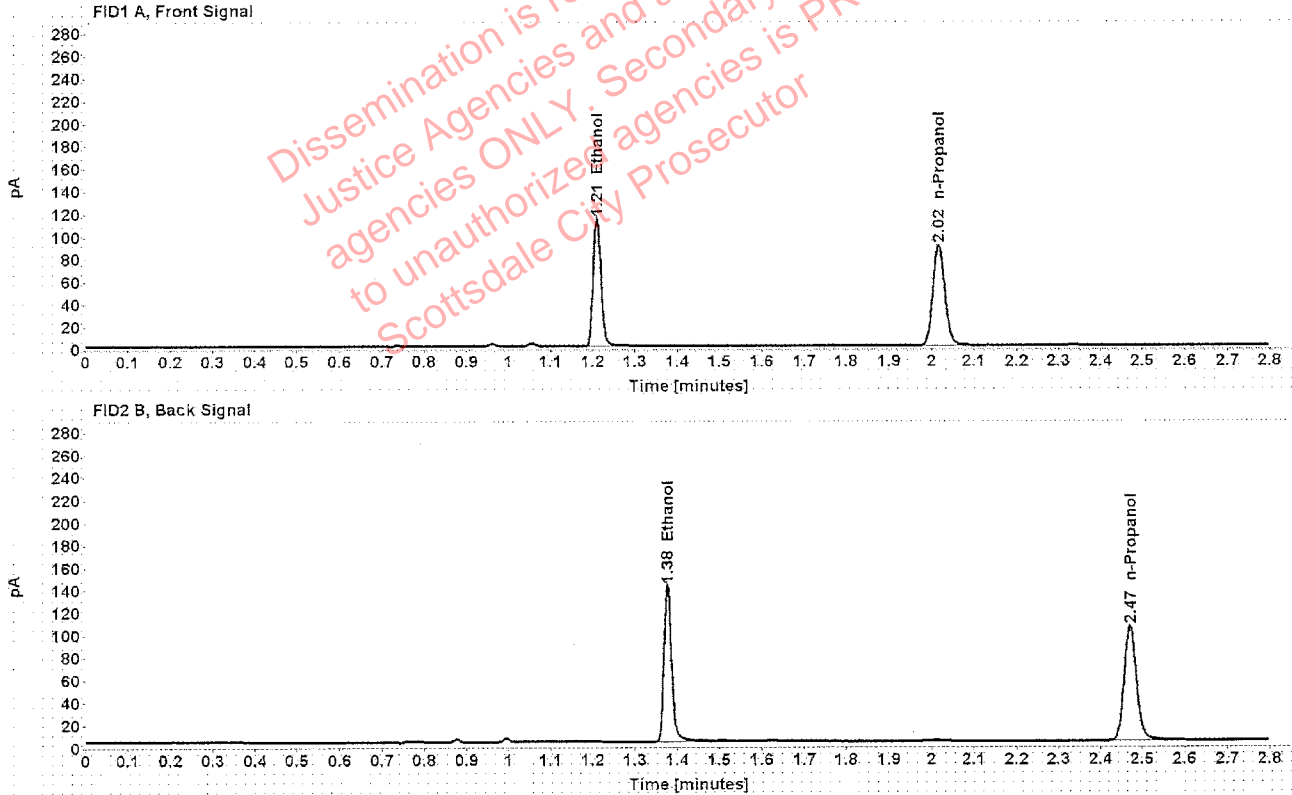


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2260	1.210	145.819
n-Propanol	-----	2.017	178.526

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

Compound	Time (min)	Peak Area
Ethanol	1.377	179.550
n-Propanol	2.471	212.457

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301816	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:34:03 PM
Data file:	C:\Chem32\1\Data\24Dec19\38.D	Analyst:	Brooke

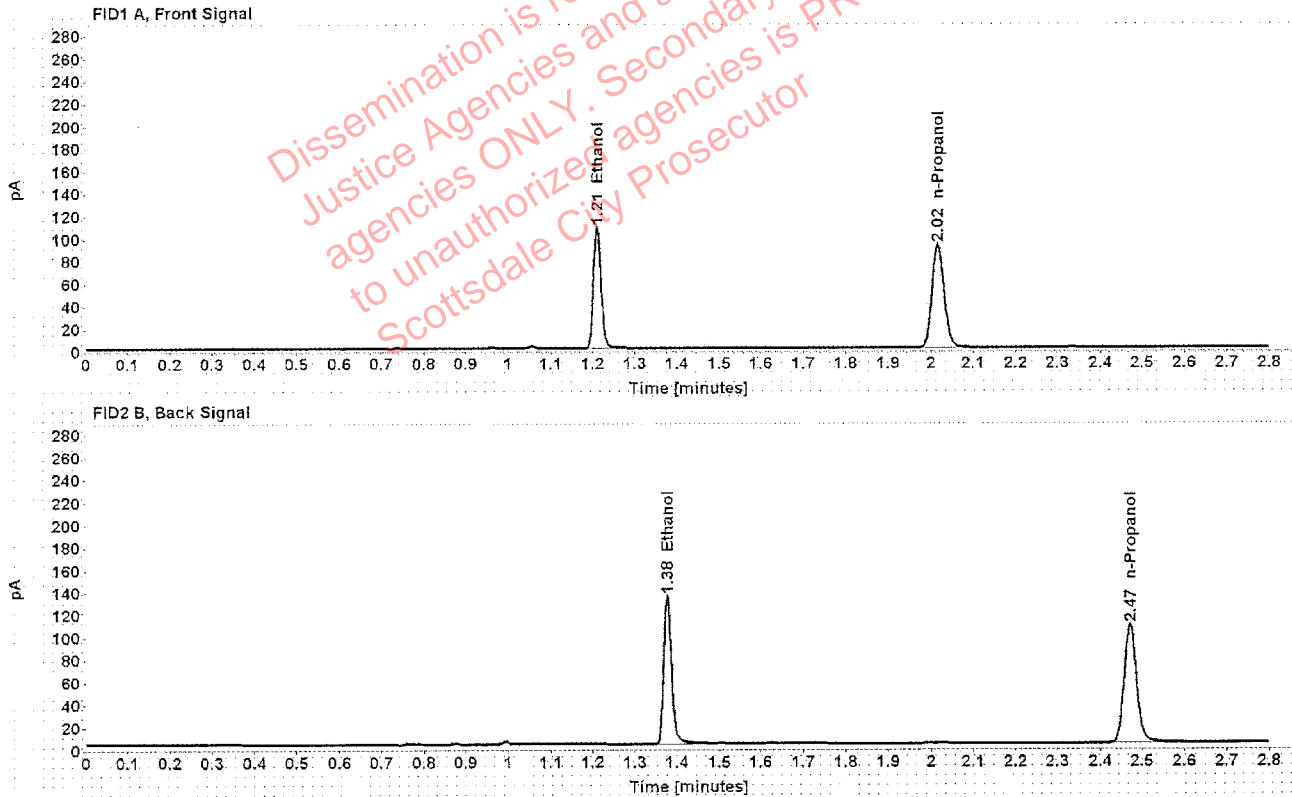


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2089	1.211	138.365
n-Propanol	-----	2.017	183.350

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

Compound	Time (min)	Peak Area
Ethanol	1.377	170.974
n-Propanol	2.471	218.809

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1301816	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/24/2019 12:38:03 PM
Data file:	C:\Chem32\1\Data\24Dec19\39.D	Analyst:	Brooke

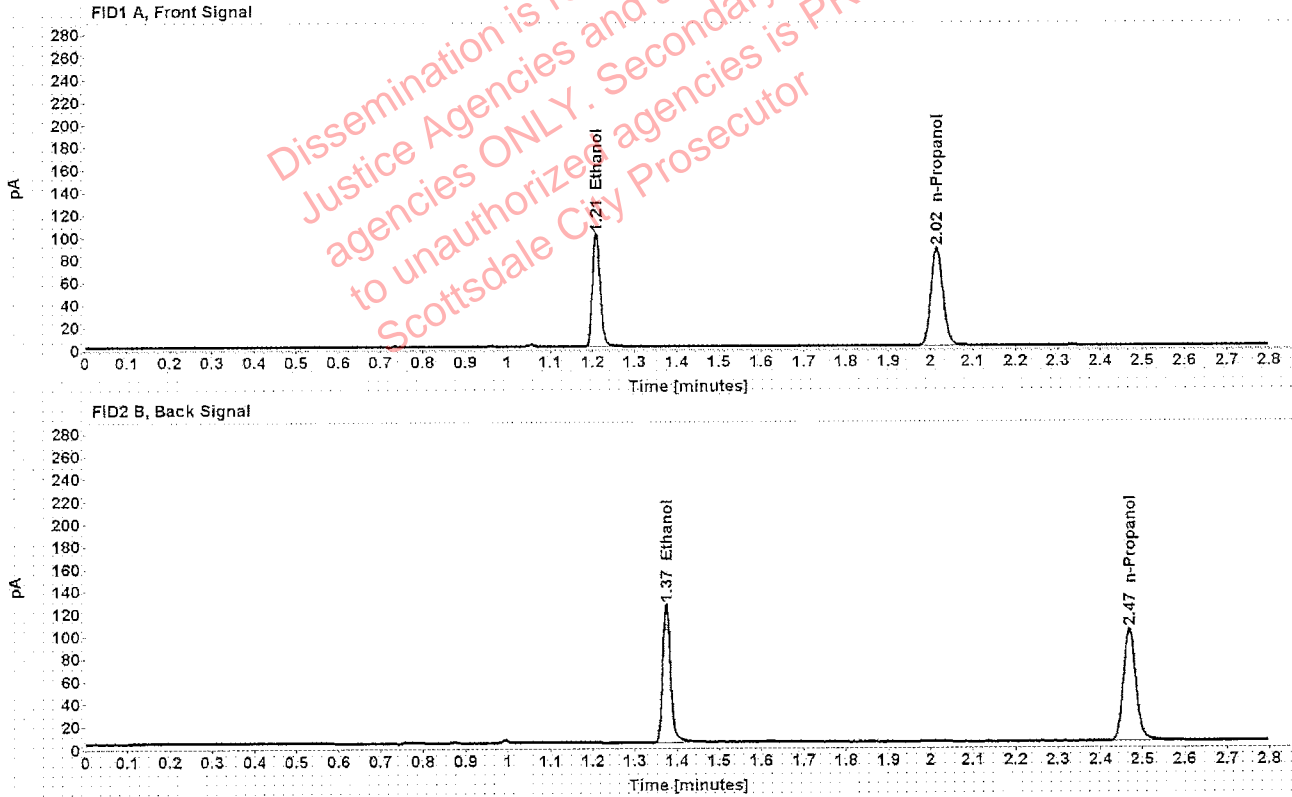


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2054	1.209	128.993
n-Propanol	-----	2.015	173.862

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

Compound	Time (min)	Peak Area
Ethanol	1.374	159.204
n-Propanol	2.469	206.713