

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 03/05/20 SEQUENCE NAME 05Mar20

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 121219
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.150 g/dL	0.150 g/dL	Lipomed 14082019-C
40	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
41	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
42	Blood control	0.198 g/dL	0.201 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 [Signature] Run valid [Signature]
 Run invalid Analyst Run invalid Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

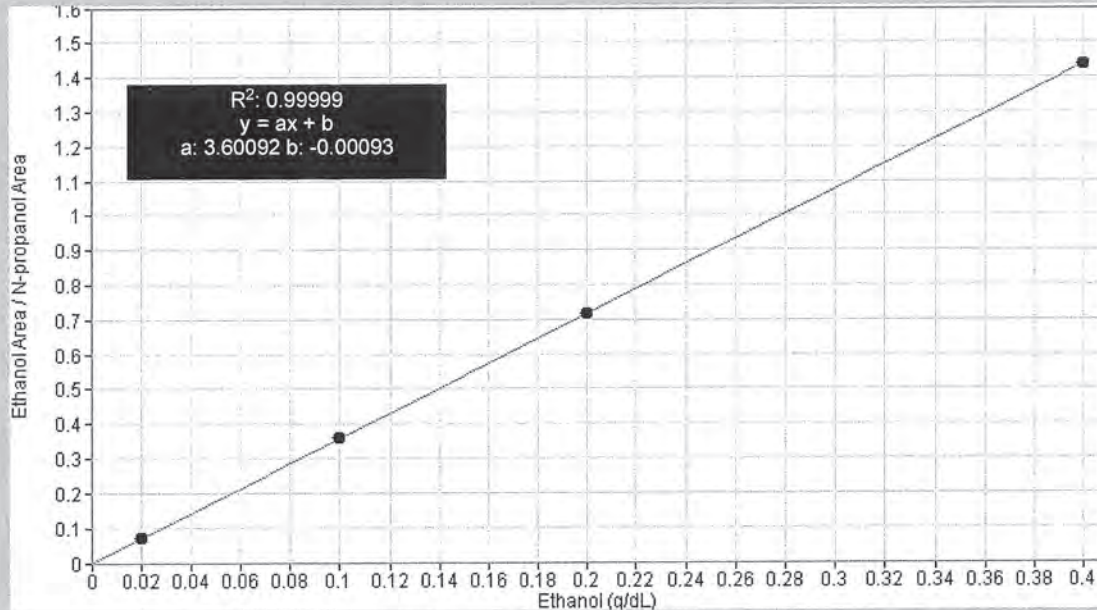
SEQUENCE NAME: 05Mar20

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 121219	5	negative	negative	-	-
0.400 11092018-A	7	0.400	0.400	0.00	0.000
0.040 14082019-B	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	0.079	0.080	1.25	-0.001
0.150 14082019-C	31	0.150	0.150	0.00	0.000
0.400 11092018-A	40	0.400	0.400	0.00	0.000
0.040 14082019-B	41	0.039	0.040	2.50	-0.001
0.198 407041529/13	42	0.201	0.198	1.52	0.003
blank 040919WB	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.845	170.117	0.070
0.100	62.652	173.233	0.362
0.200	121.159	168.679	0.718
0.400	242.160	168.240	1.439

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 05Mar20
Method: ethanol quant.M	Injection date: 3/5/2020 11:34:57 AM
Instrument: US14173023 CN14160045	Analyst: Brooke RB
Data file: C:\Chem32\1\Data\05Mar20\1.D	

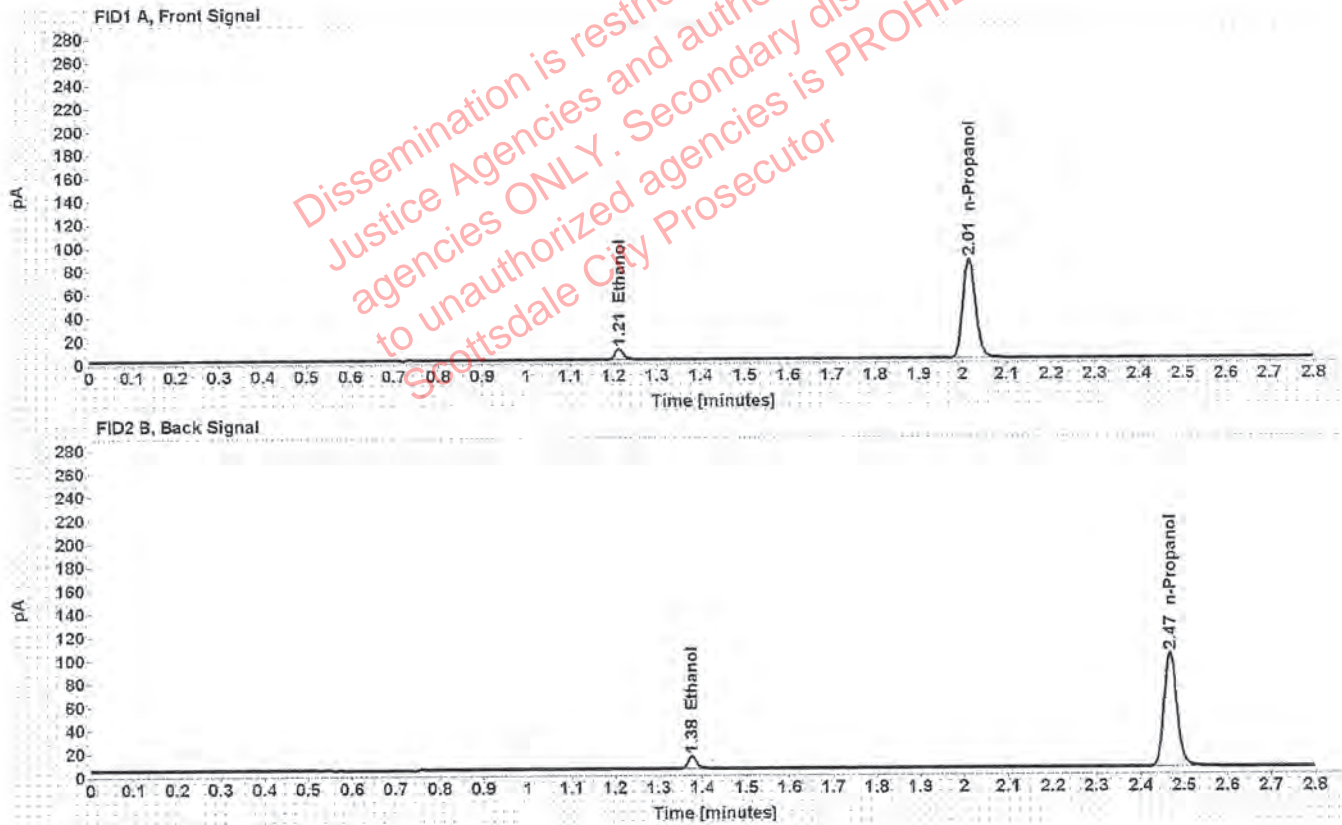


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.845
n-Propanol	2.015	170.117

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.353
n-Propanol	2.468	201.025

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 05Mar20
Method: ethanol quant.M	Injection date: 3/5/2020 11:38:57 AM
Instrument: US14173023 CN14160045	Analyst: Brooke ¹⁹³
Data file: C:\Chem32\1\Data\05Mar20\2.D	

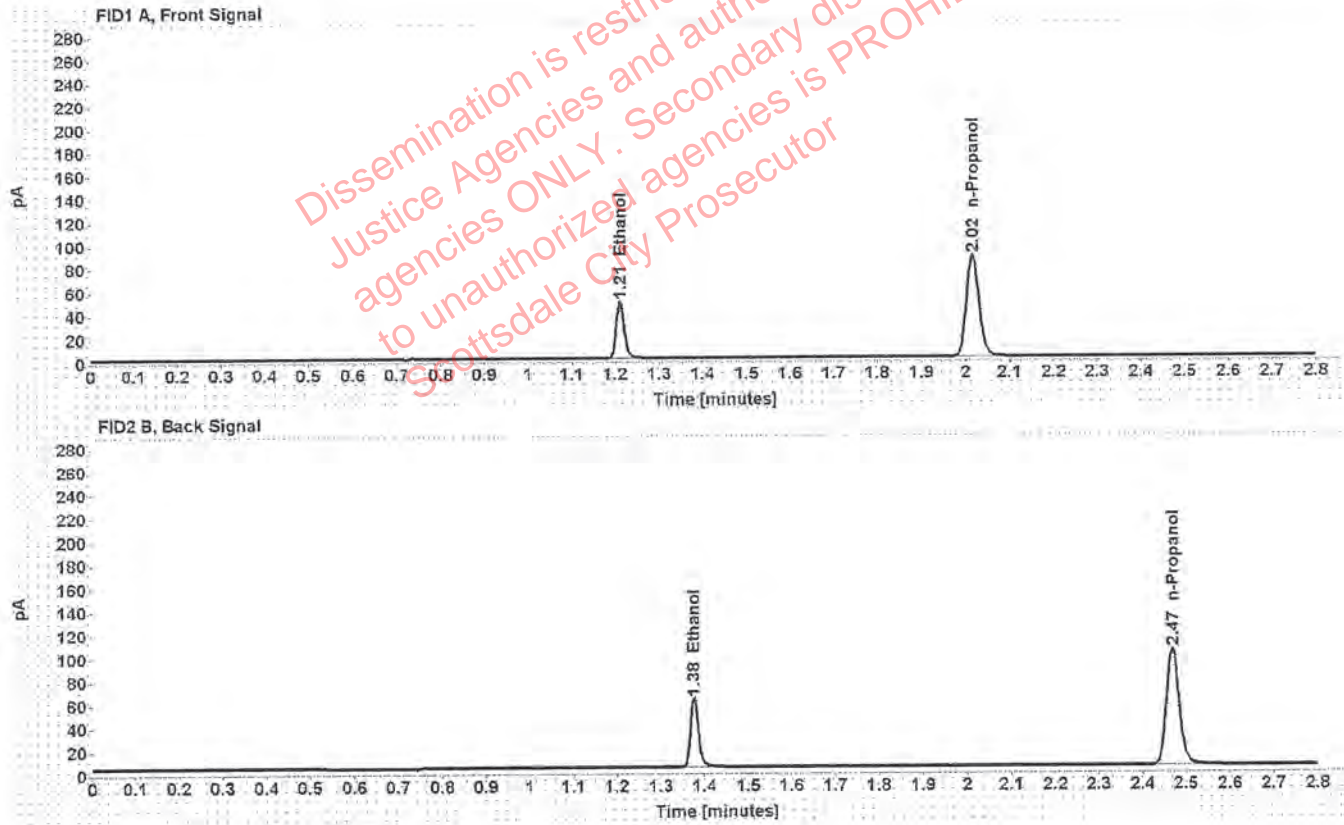


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	62.652
n-Propanol	2.016	173.233

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

Compound	Time (min)	Peak Area
Ethanol	1.376	75.883
n-Propanol	2.469	205.751

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 05Mar20
Method: ethanol quant.M	Injection date: 3/5/2020 11:42:57 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>BS</i>
Data file: C:\Chem32\1\Data\05Mar20\3.D	

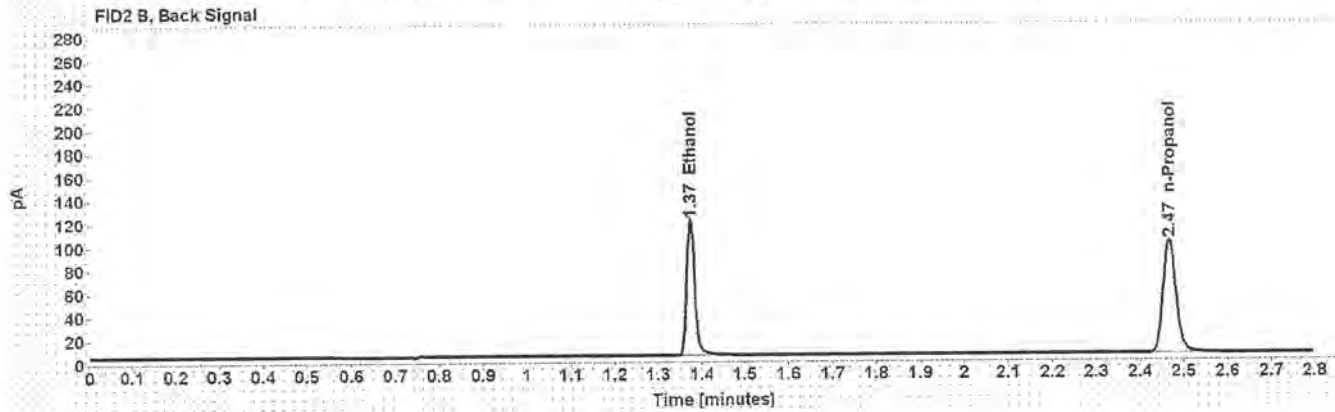
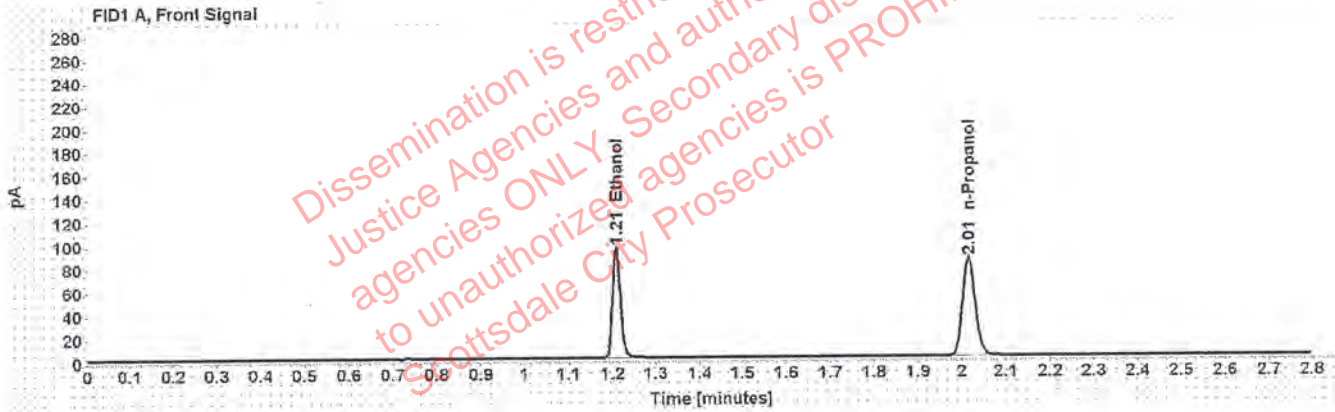


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	121.159
n-Propanol	2.015	168.679

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

Compound	Time (min)	Peak Area
Ethanol	1.374	148.412
n-Propanol	2.467	200.718

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 05Mar20
Method: ethanol quant.M	Injection date: 3/5/2020 11:46:58 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>BB</i>
Data file: C:\Chem32\1\Data\05Mar20\4.D	

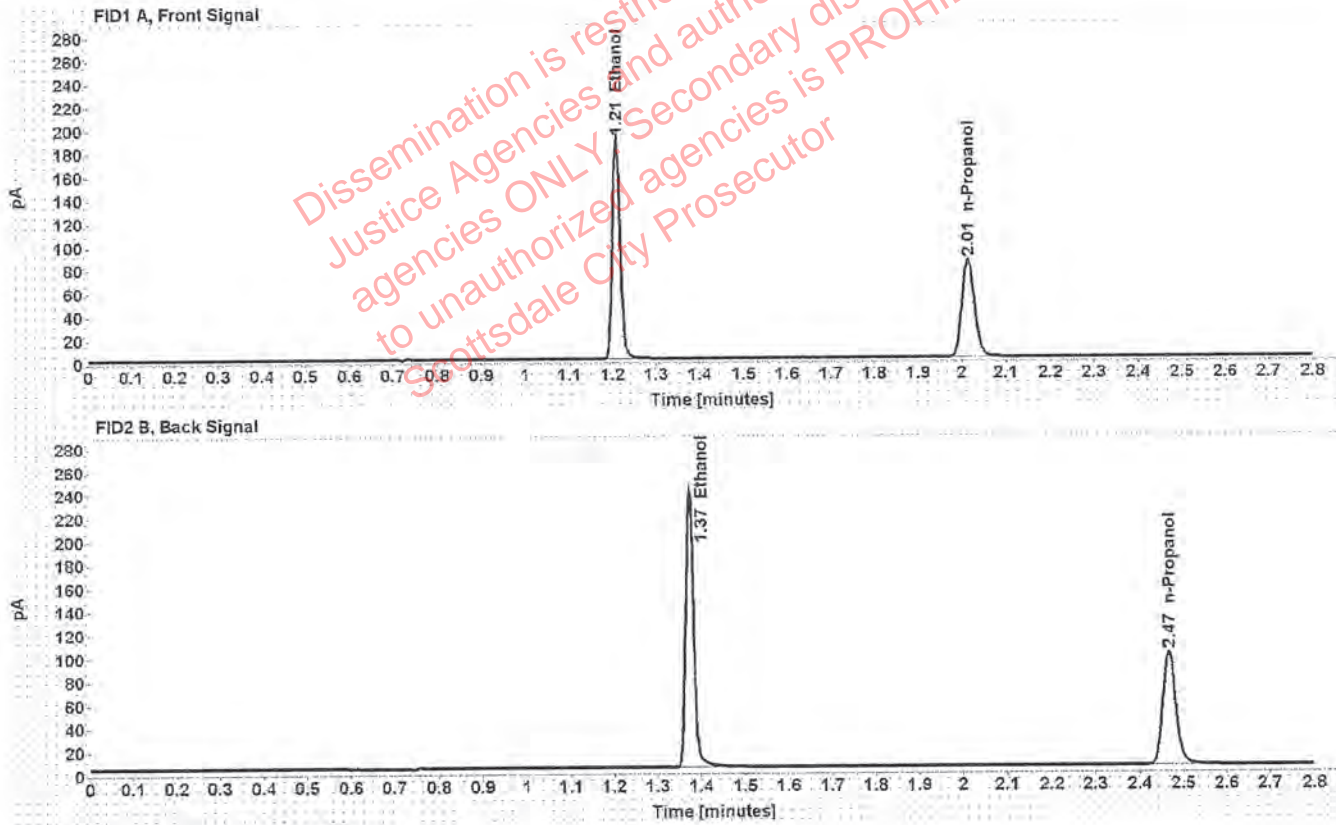


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	242.160
n-Propanol	2.015	168.240

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

Compound	Time (min)	Peak Area
Ethanol	1.373	298.473
n-Propanol	2.467	200.722

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 121219	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 11:50:57 AM
Data file: C:\Chem3211\Data\05Mar20\5.D	Analyst: Brooke <i>MB</i>

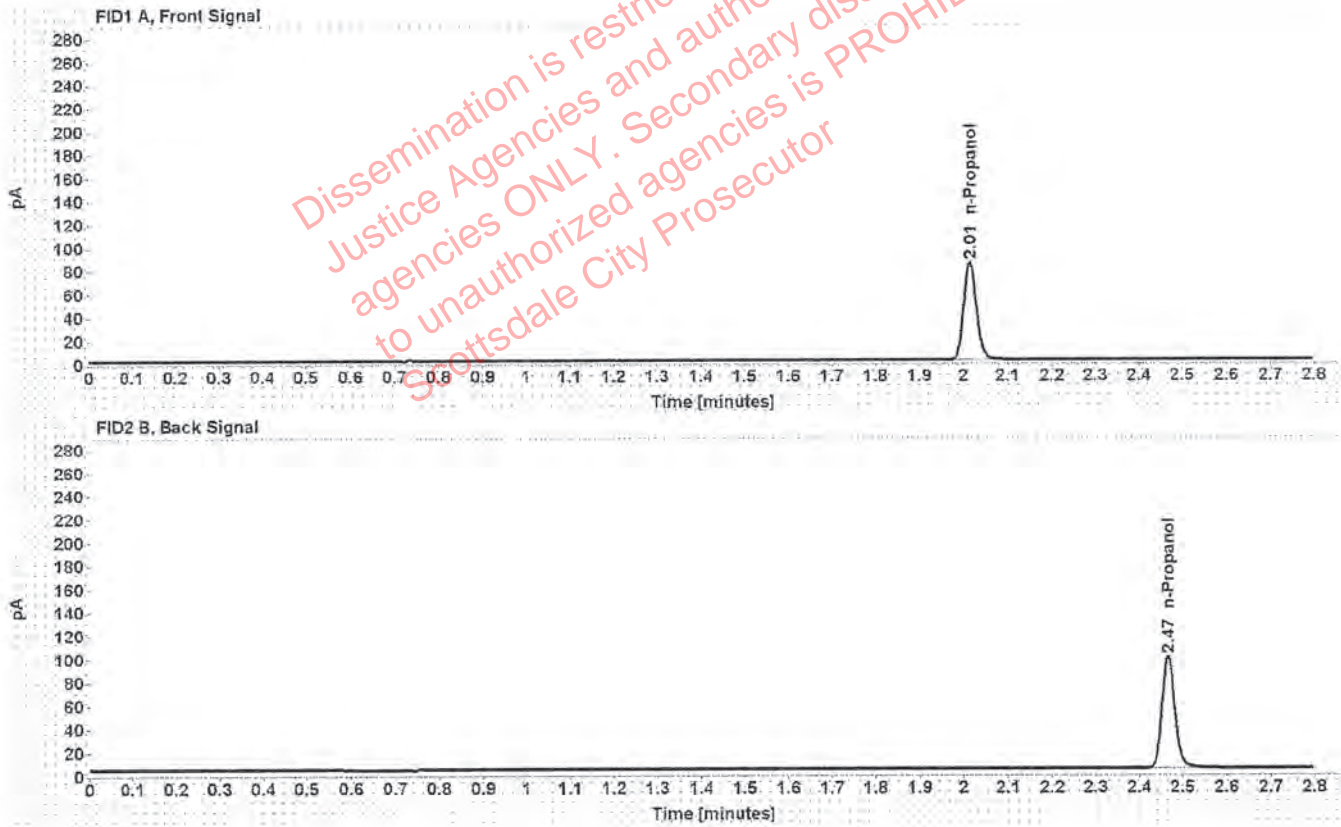


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	167.715

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	199.154

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 11:54:57 AM
Data file: C:\Chem32\1\Data\05Mar20\6.D	Analyst: Brooke

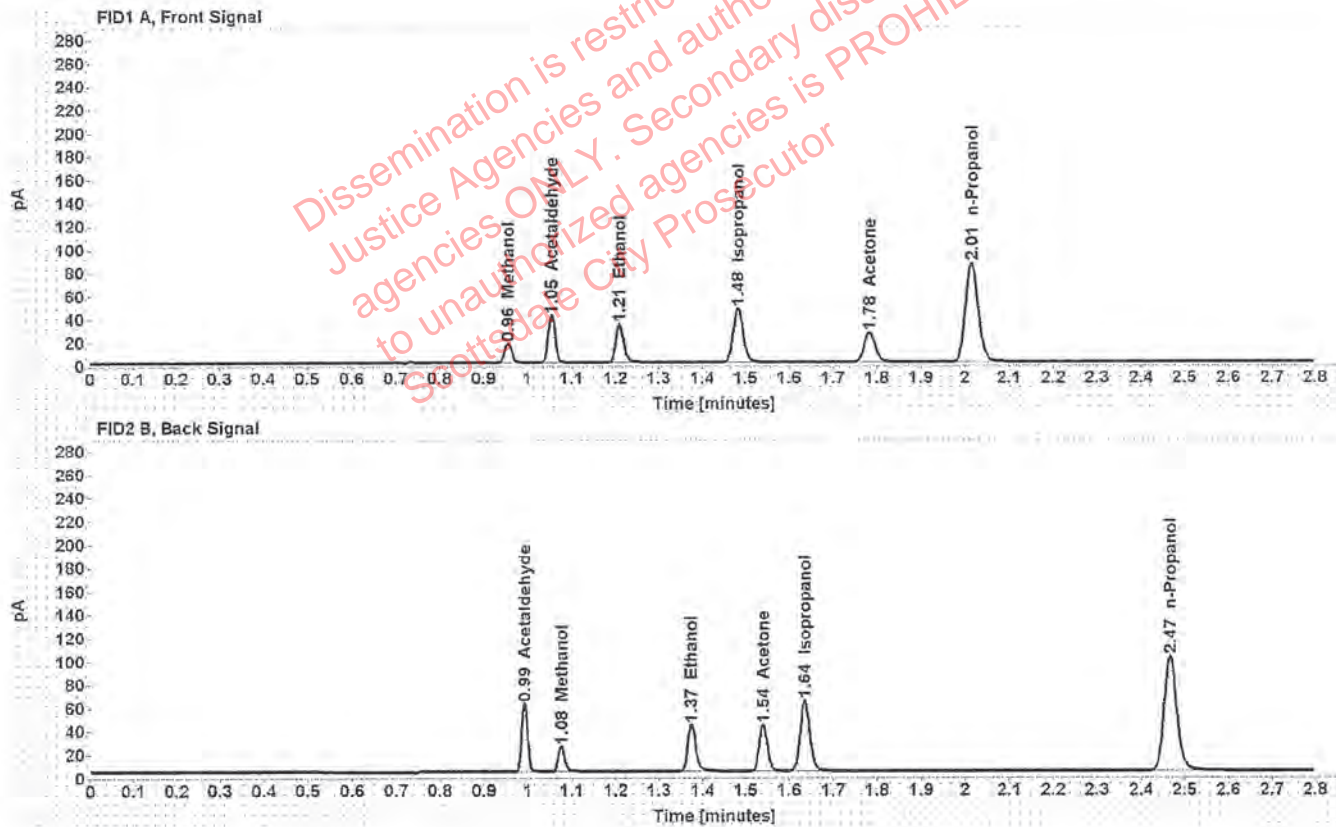


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.706
Acetaldehyde	-----	1.054	44.696
>Ethanol	0.0696	1.210	42.530
Isopropanol	-----	1.483	75.052
Acetone	-----	1.783	44.015
n-Propanol	-----	2.014	170.245

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	57.695
Methanol	1.075	23.682
Ethanol	1.374	51.464
Acetone	1.540	52.744
Isopropanol	1.636	93.320
n-Propanol	2.467	203.313

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 11:59:12 AM
Data file: C:\Chem32\1\Data\05Mar20\7.D	Analyst: Brooke <i>FB</i>

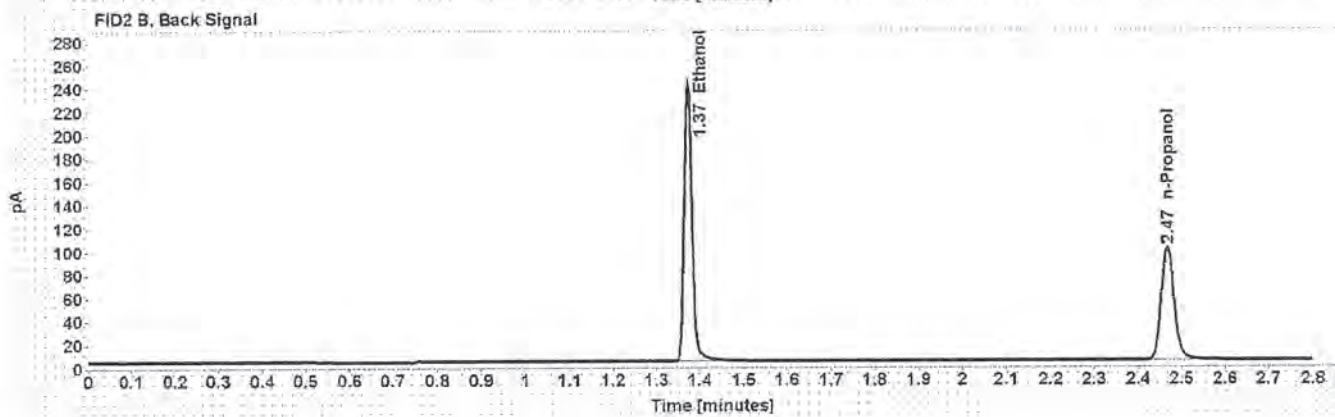
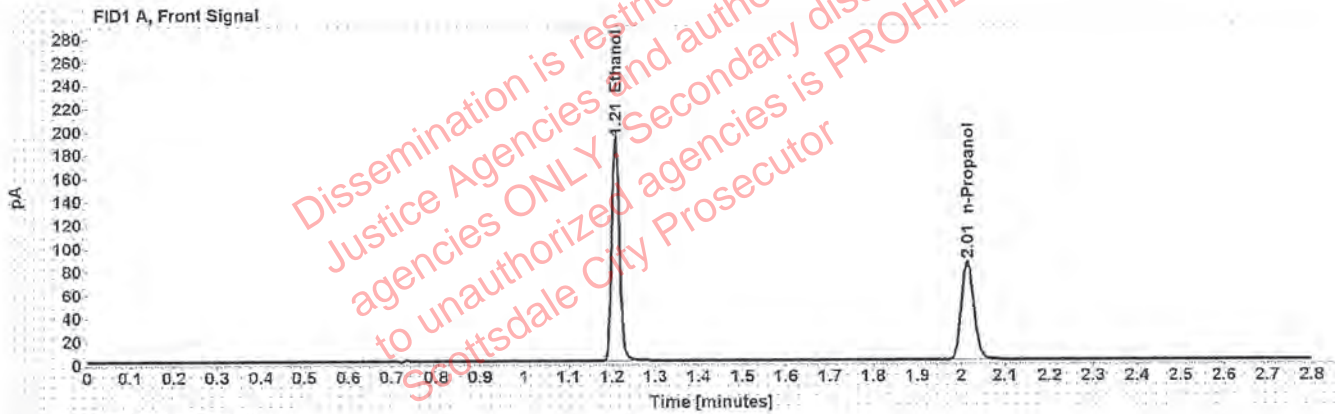


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4004	1.208	243.476
n-Propanol	-----	2.015	168.962

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

Compound	Time (min)	Peak Area
Ethanol	1.373	299.905
n-Propanol	2.467	201.251

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 12:03:12 PM
Data file: C:\Chem32\1\Data\05Mar20\8.D	Analyst: Brooke PR

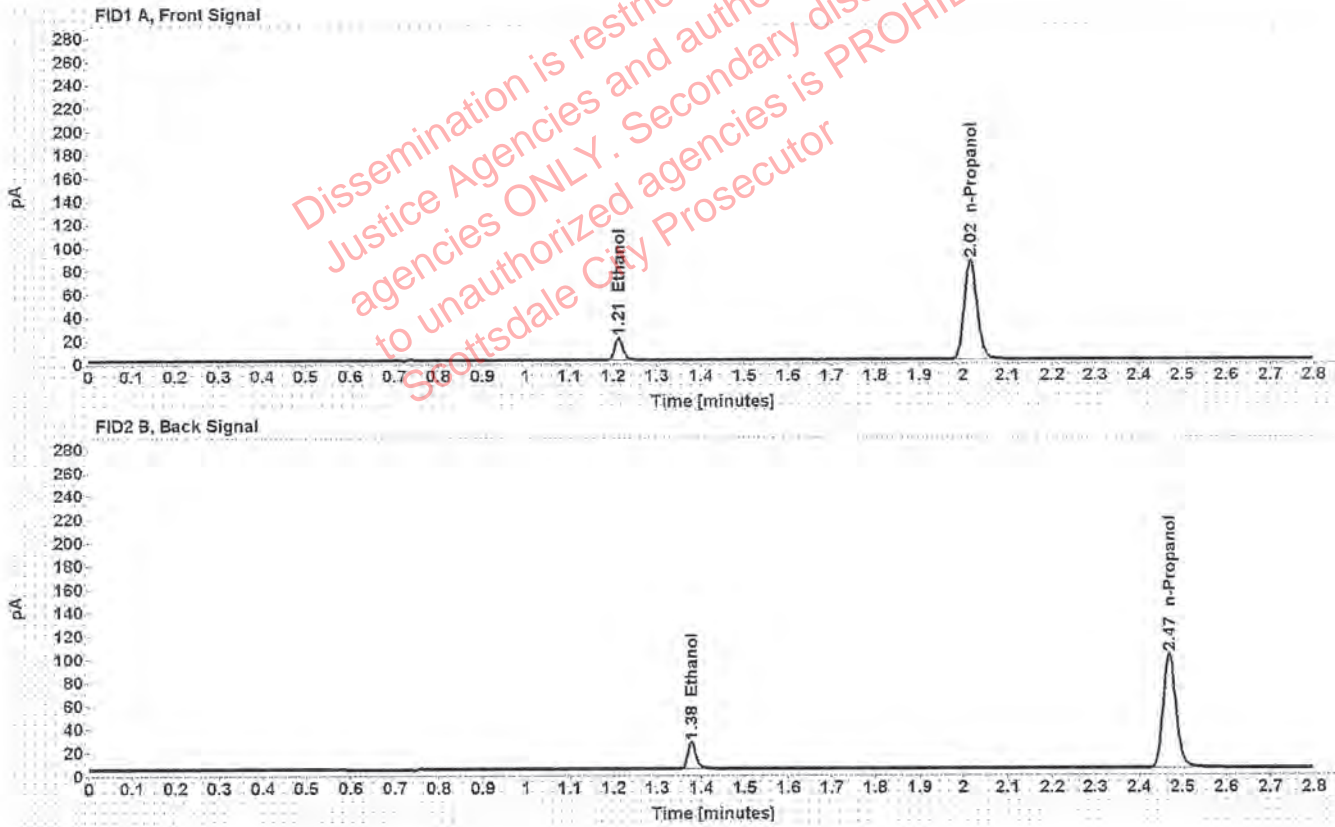


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0405	1.212	24.727
n-Propanol	-----	2.016	170.641

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

Compound	Time (min)	Peak Area
Ethanol	1.377	29.818
n-Propanol	2.470	202.538

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 12:07:13 PM
Data file: C:\Chem32\1\Data\05Mar20\9.D	Analyst: Brooke <i>PK</i>

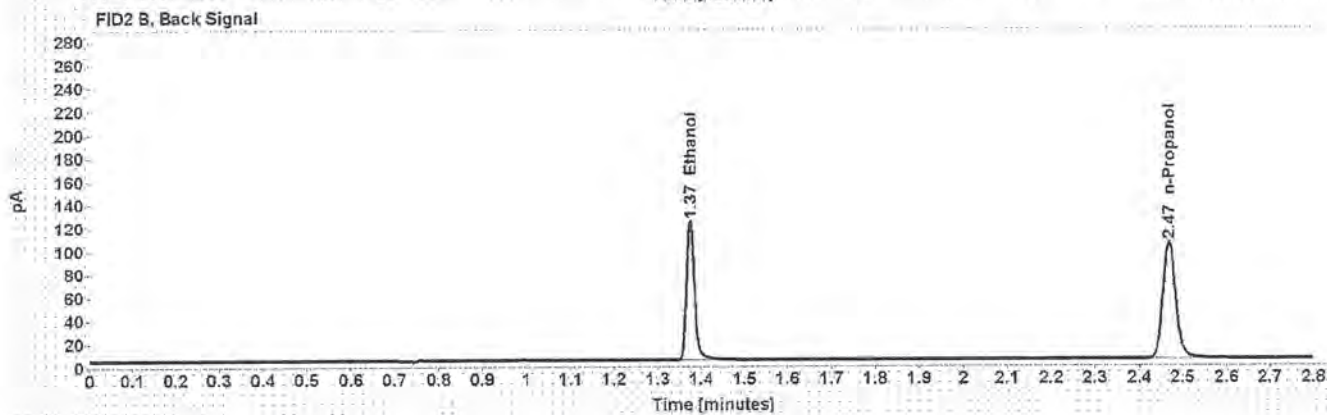
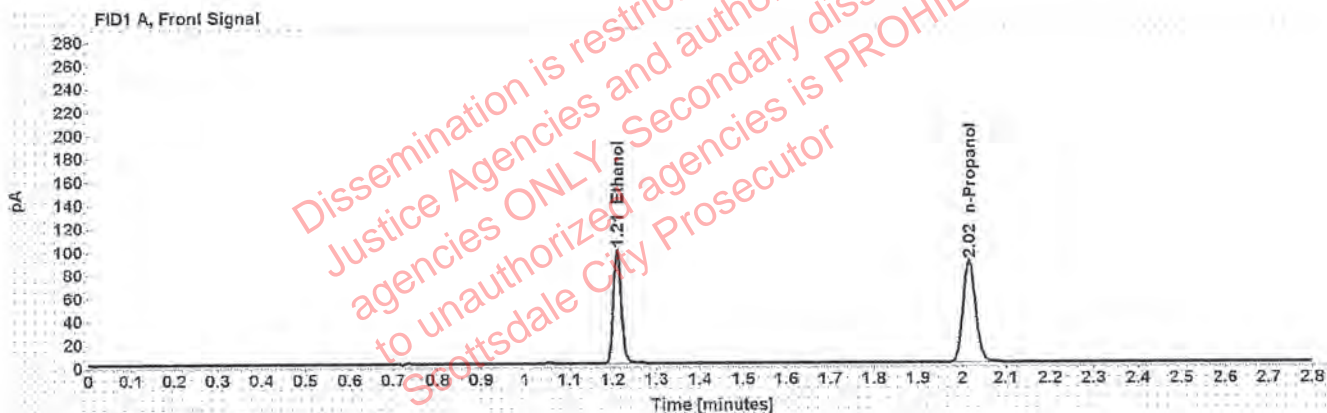


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1987	1.210	124.977
n-Propanol	-----	2.016	174.906

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

Compound	Time (min)	Peak Area
Ethanol	1.375	153.052
n-Propanol	2.469	208.315

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 12:51:43 PM
Data file: C:\Chem321\1\Data\05Mar20\20.D	Analyst: Brooke <i>MB</i>

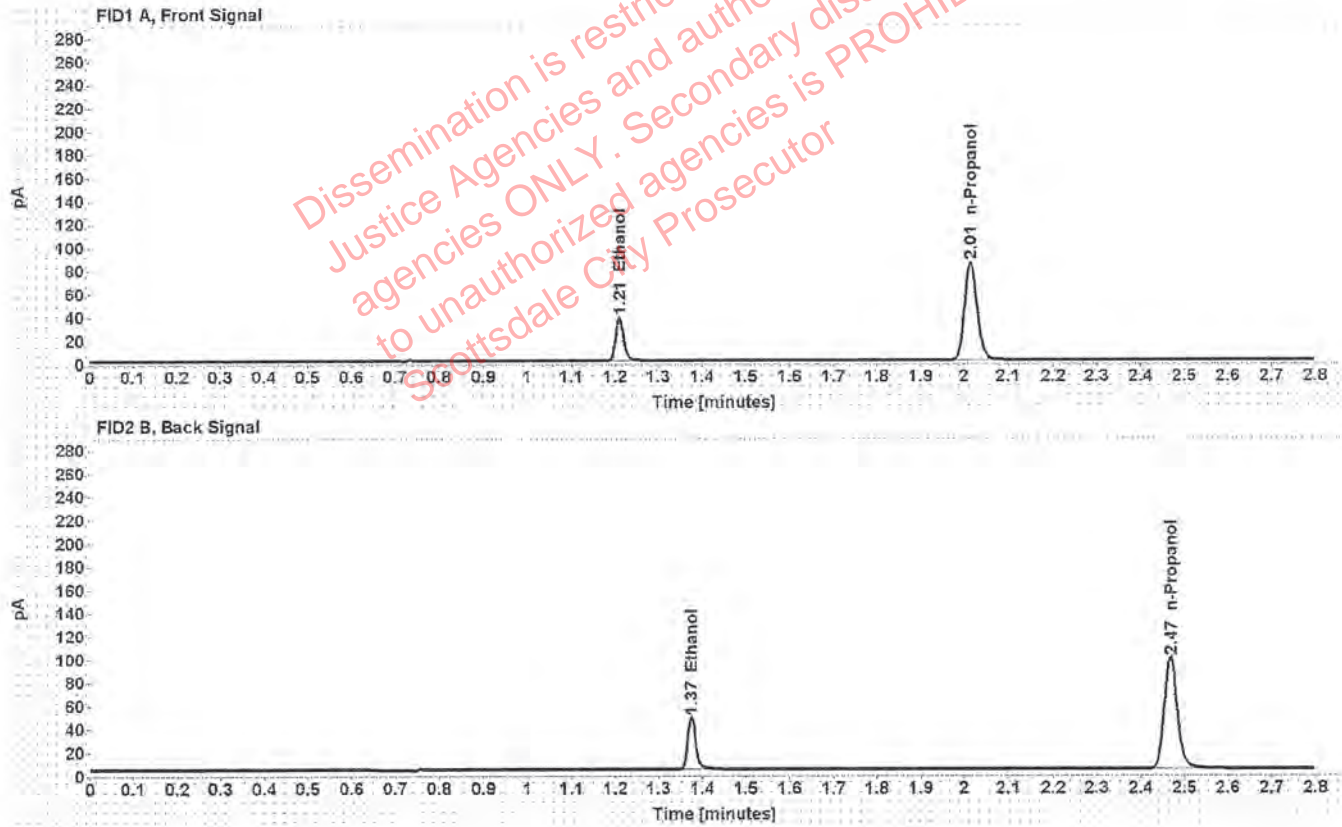


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0795	1.210	47.907
n-Propanol	-----	2.015	167.817

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

Compound	Time (min)	Peak Area
Ethanol	1.375	58.202
n-Propanol	2.468	199.631

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 1:36:13 PM
Data file: C:\Chem321\1\Data\05Mar20\31.D	Analyst: Brooke

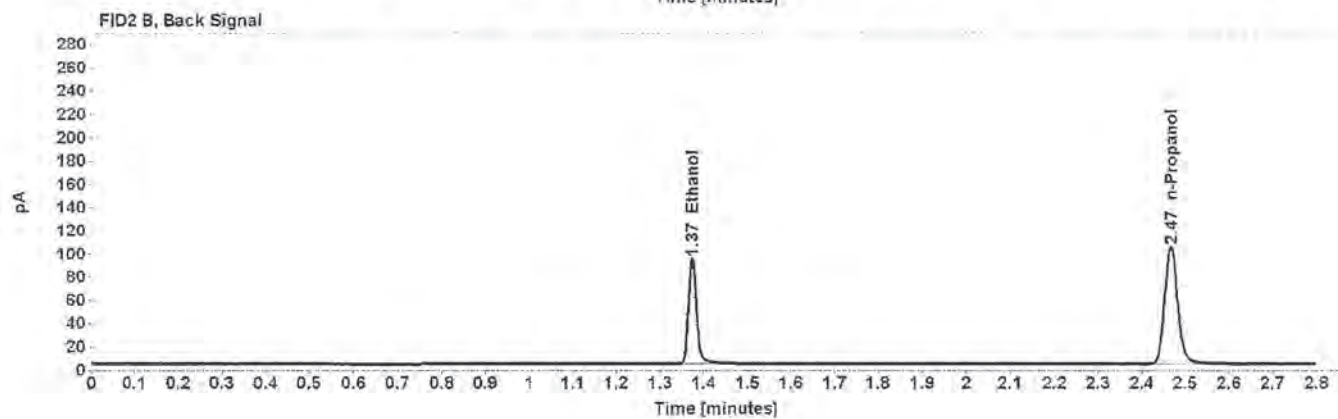
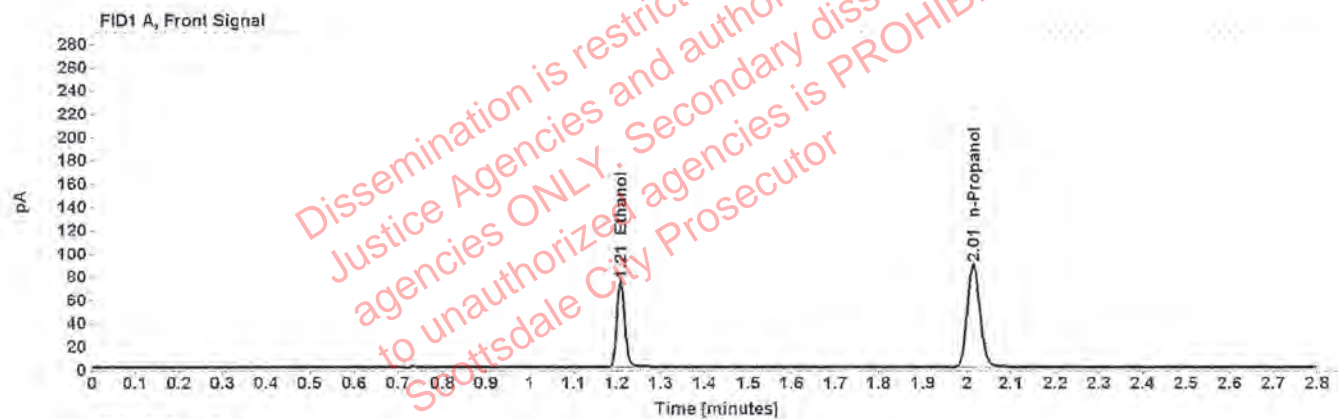


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1501	1.209	95.409
n-Propanol	-----	2.014	176.830

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

Compound	Time (min)	Peak Area
Ethanol	1.373	116.748
n-Propanol	2.467	210.730

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 40
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 2:12:28 PM
Data file: C:\Chem32\1\Data\05Mar20\40.D	Analyst: Brooke <i>BP</i>

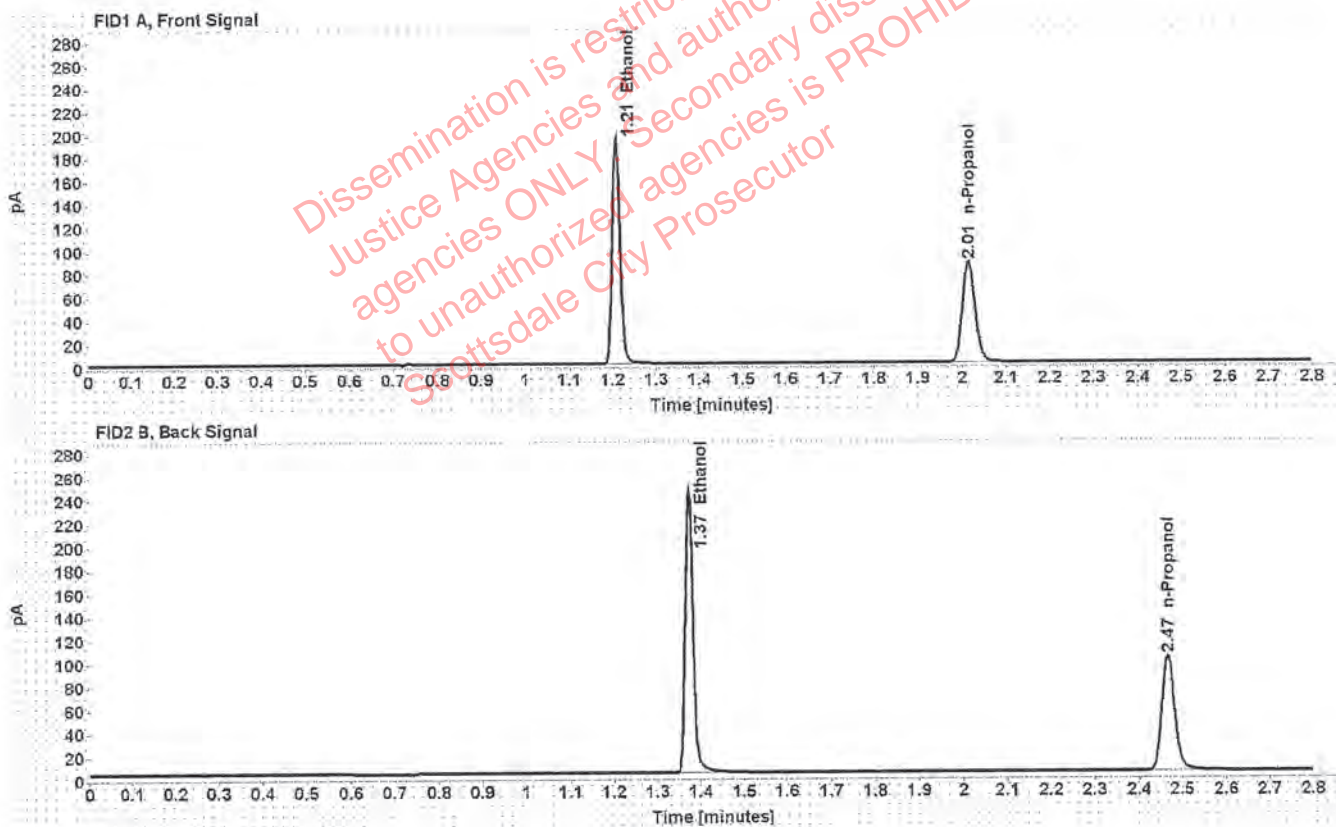


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4001	1.208	247.883
n-Propanol	-----	2.015	172.179

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

Compound	Time (min)	Peak Area
Ethanol	1.373	305.303
n-Propanol	2.467	205.993

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 41
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 2:16:28 PM
Data file: C:\Chem32\1\Data\05Mar20\41.D	Analyst: Brooke <i>BA</i>

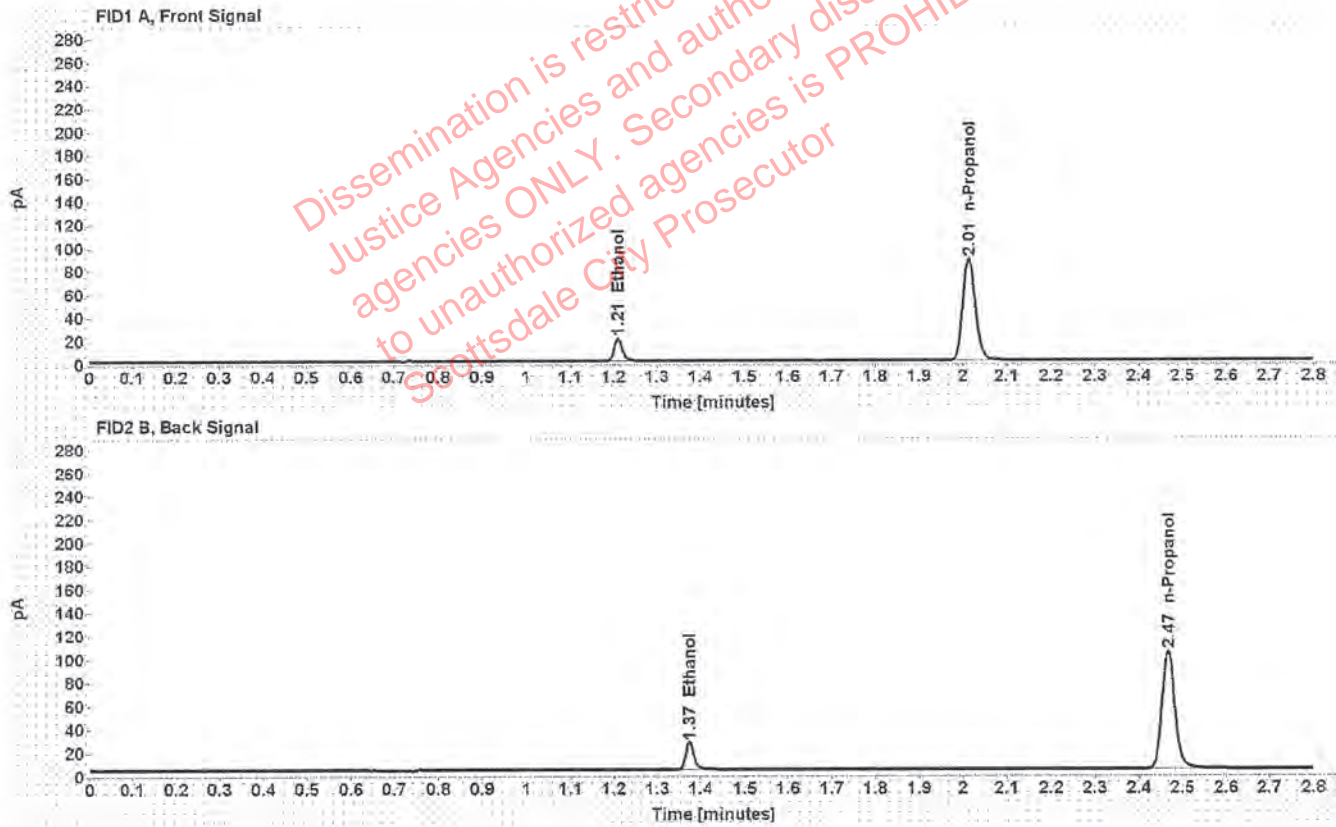


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0397	1.210	24.931
n-Propanol	-----	2.014	175.579

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.164
n-Propanol	2.467	209.663

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 42
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 2:20:28 PM
Data file: C:\Chem32\1\Data\05Mar20\42.D	Analyst: Brooke RB

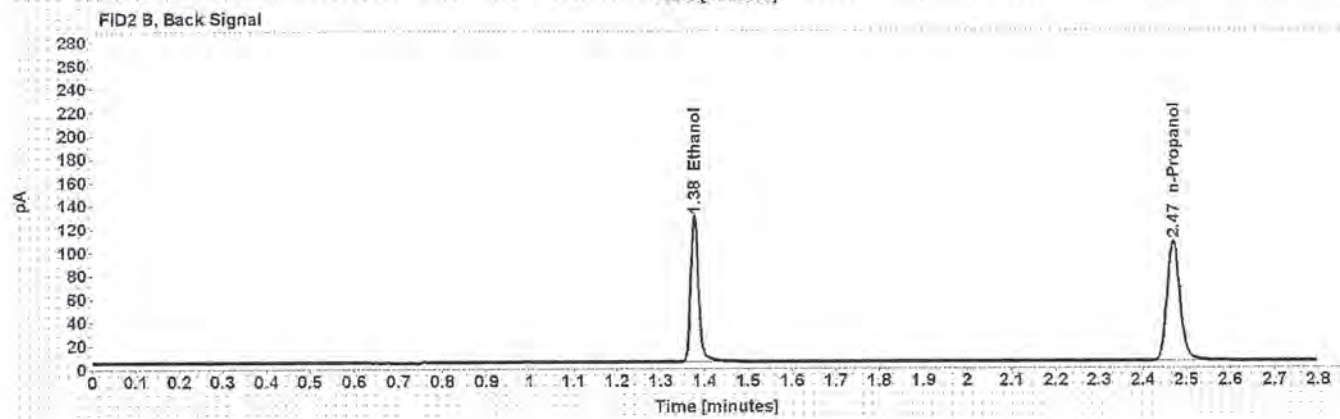
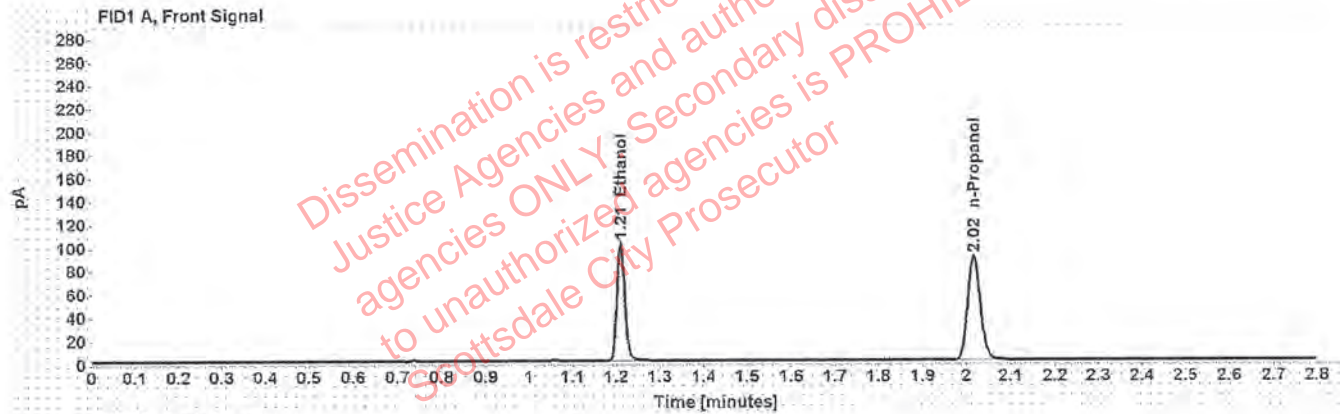


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2016	1.210	130.150
n-Propanol	-----	2.016	179.500

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

Compound	Time (min)	Peak Area
Ethanol	1.376	159.670
n-Propanol	2.470	214.779

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 43
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 05Mar20
Instrument: US14173023 CN14160045	Injection date: 3/5/2020 2:24:43 PM
Data file: C:\Chem32\1\Data\05Mar20\43.D	Analyst: Brooke <i>PS</i>

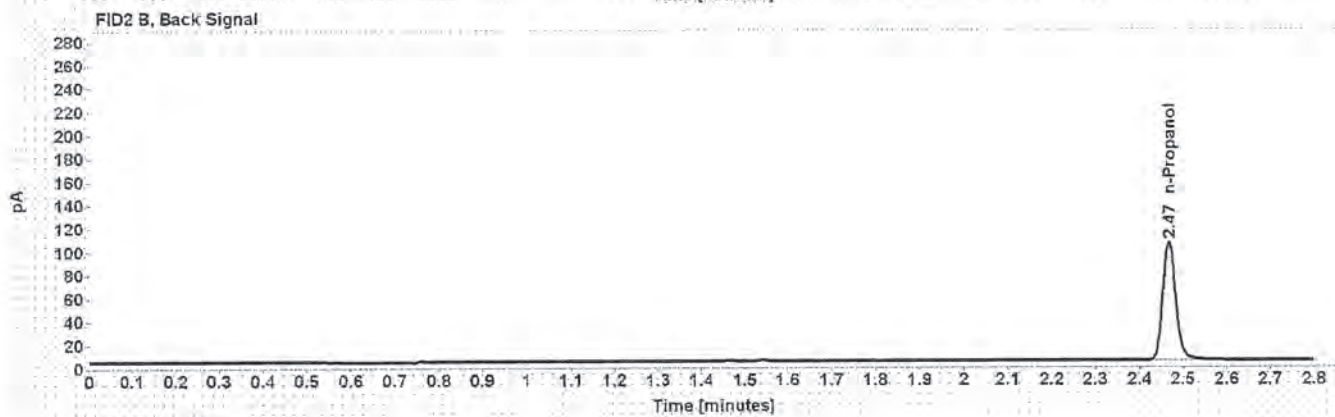


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	178.325

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	212.590

Sequence Summary

Sequence name: 05Mar20 Instrument: US14173023 CN14160045 Analyst: Brooke FB

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	121219	Negative	Control		ethanol quant.M
6	070819	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	37401WB		Sample		ethanol quant.M
11	37401WB		Sample		ethanol quant.M
12	1310673		Sample		ethanol quant.M
13	1310673		Sample		ethanol quant.M
14	1308035		Sample		ethanol quant.M
15	1308035		Sample		ethanol quant.M
16	1285113		Sample		ethanol quant.M
17	1285113		Sample		ethanol quant.M
18	1311147		Sample		ethanol quant.M
19	1311147		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1308824		Sample		ethanol quant.M
22	1308824		Sample		ethanol quant.M
23	1308028		Sample		ethanol quant.M
24	1308028		Sample		ethanol quant.M
25	1288701		Sample		ethanol quant.M
26	1288701		Sample		ethanol quant.M
27	1309489		Sample		ethanol quant.M
28	1309489		Sample		ethanol quant.M
29	1288720		Sample		ethanol quant.M
30	1288720		Sample		ethanol quant.M
31	14082019-C	0.150	Control		ethanol quant.M
32	1309507		Sample		ethanol quant.M
33	1309507		Sample		ethanol quant.M
34	1311484		Sample		ethanol quant.M
35	1311484		Sample		ethanol quant.M
36	1311370		Sample		ethanol quant.M
37	1311370		Sample		ethanol quant.M
38	1309017		Sample		ethanol quant.M
39	1309017		Sample		ethanol quant.M
40	11092018-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	040919WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

AD

SEQUENCE NAME: 05Mar20

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1768	0.1769	0.17685	0.03	0.00005
12 13	0.1590	0.1618	0.16040	0.87	0.00140
14 15	0.1239	0.1236	0.12375	0.12	0.00015
16 17	0.2197	0.2241	0.22190	0.99	0.00220
18 19	0.1639	0.1639	0.16390	0.00	0.00000
21 22	0.1833	0.1843	0.18380	0.27	0.00050
23 24	0.2117	0.2134	0.21255	0.40	0.00085
25 26	0.2466	0.2442	0.24540	0.49	0.00120
27 28	0.2322	0.2317	0.23195	0.11	0.00025
29 30	0.1057	0.1059	0.10580	0.09	0.00010
32 33	0.4182	0.4186	0.41840	0.05	0.00020
34 35	0.0325	0.0325	0.03250	0.00	0.00000
36 37	0.0230	0.0230	0.02300	0.00	0.00000
38 39	0.1213	0.1220	0.12165	0.29	0.00035

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

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Scottsdale Forensic Lab Blood Alcohol Pipetting Log

ANALYST: Brooke ^{RB}

SEQUENCE: 05Mar20

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	37401WB	37401WB	37401WB	Yes
Vials 12 and 13	1310673	1310673	1310673	Yes
Vials 14 and 15	1308035	1308035	1308035	Yes
Vials 16 and 17	1285113	1285113	1285113	Yes
Vials 18 and 19	1311147	1311147	1311147	Yes
Vials 21 and 22	1308824	1308824	1308824	Yes
Vials 23 and 24	1308028	1308028	1308028	Yes
Vials 25 and 26	1288701	1288701	1288701	Yes
Vials 27 and 28	1309489	1309489	1309489	Yes
Vials 29 and 30	1288720	1288720	1288720	Yes
Vials 32 and 33	1309507	1309507	1309507	Yes
Vials 34 and 35	1311484	1311484	1311484	Yes
Vials 36 and 37	1311370	1311370	1311370	Yes
Vials 38 and 39	1309017	1309017	1309017	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401WB	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:11:12 PM
Data file:	C:\Chem32\1\Data\05Mar20\10.D	Analyst:	Brooke

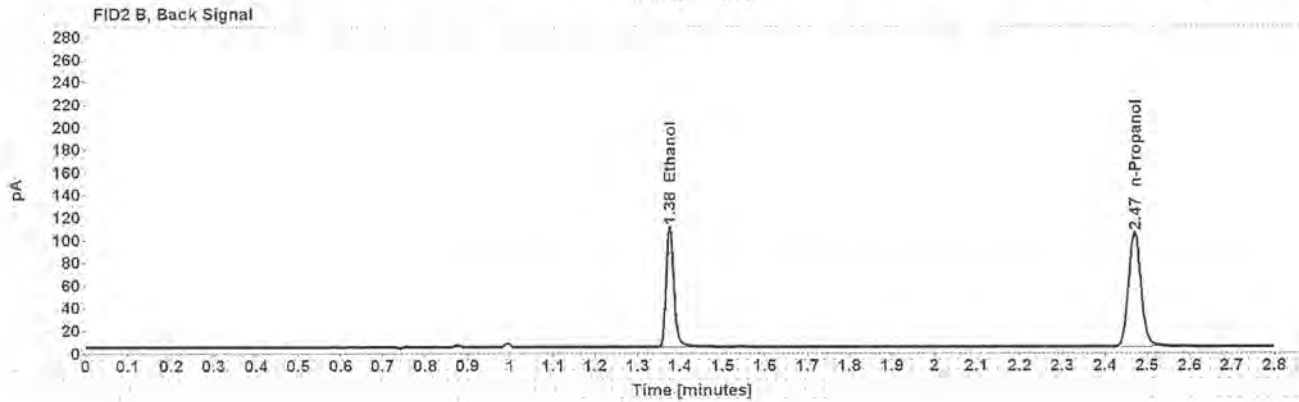
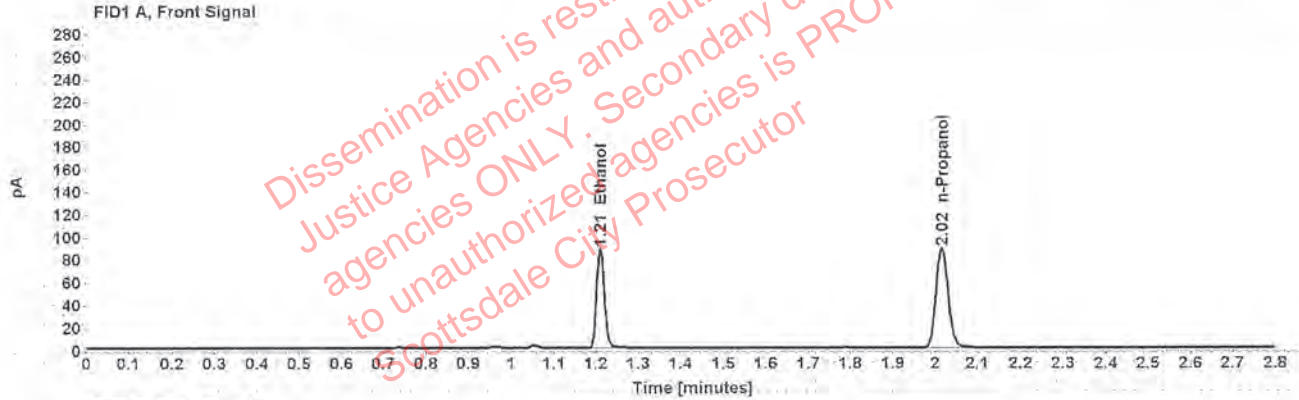


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1768	1.210	111.677
n-Propanol	-----	2.016	175.640

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

Compound	Time (min)	Peak Area
Ethanol	1.376	136.535
n-Propanol	2.469	208.877

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401WB	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:15:12 PM
Data file:	C:\Chem32\1\Data\05Mar20\11.D	Analyst:	Brooke

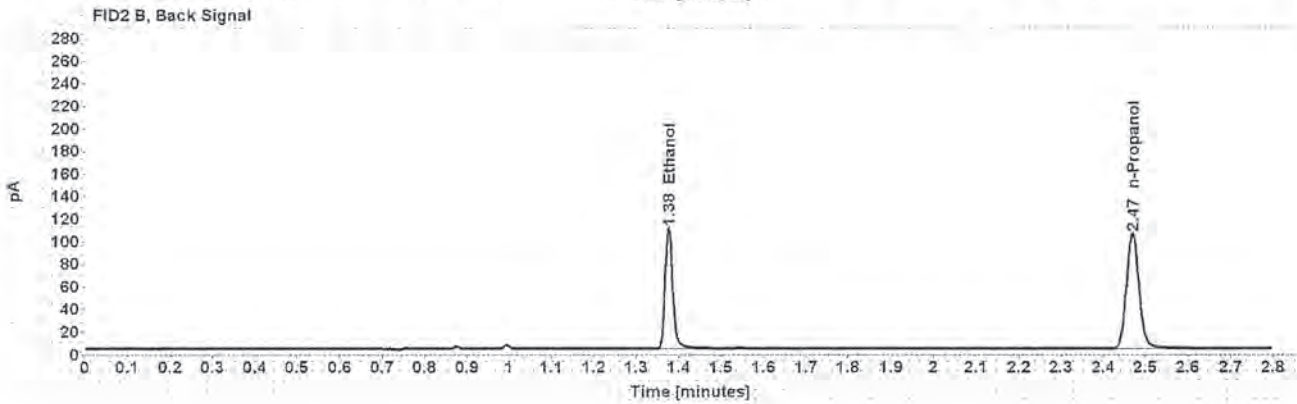
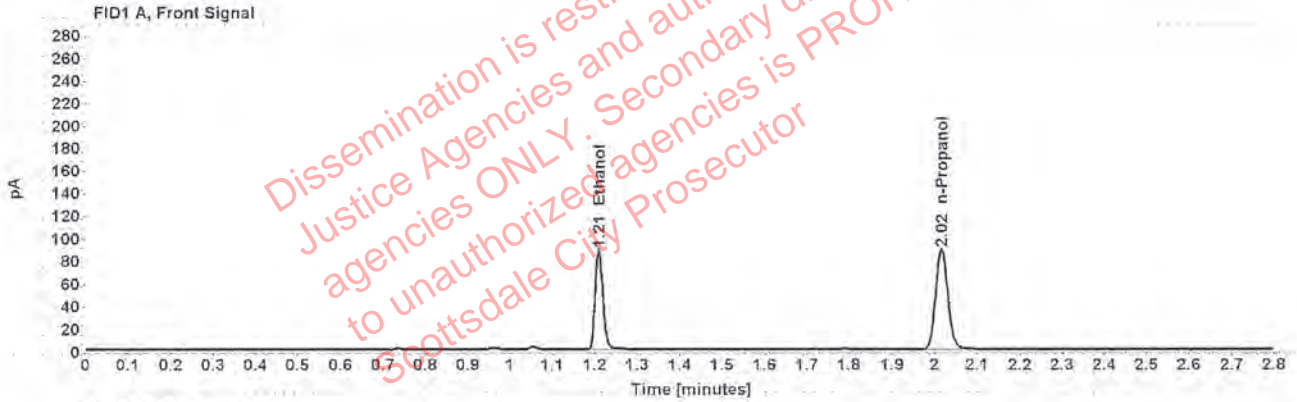


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1769	1.210	112.190
n-Propanol	-----	2.016	176.353

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

Compound	Time (min)	Peak Area
Ethanol	1.376	136.764
n-Propanol	2.469	209.812

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310673	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:19:13 PM
Data file:	C:\Chem32\1\Data\05Mar20\12.D	Analyst:	Brooke

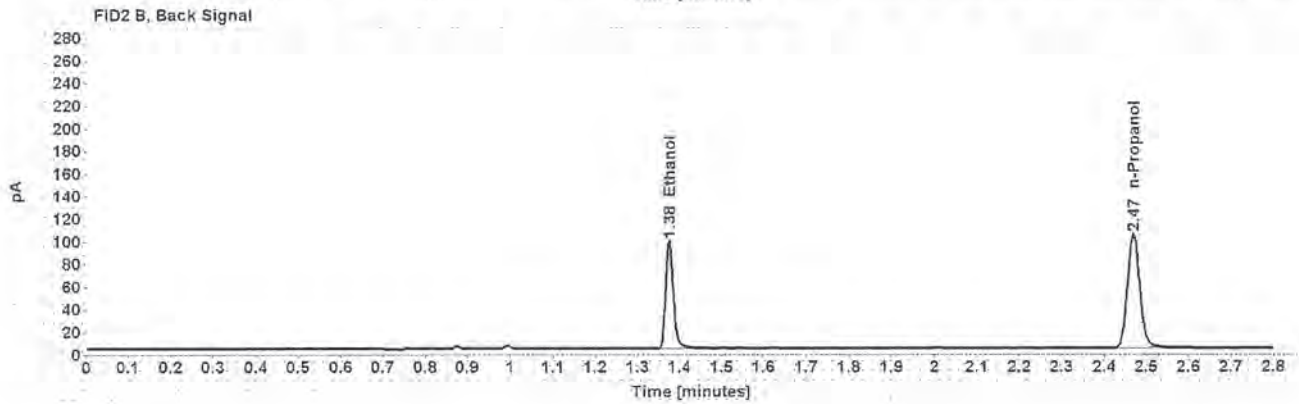
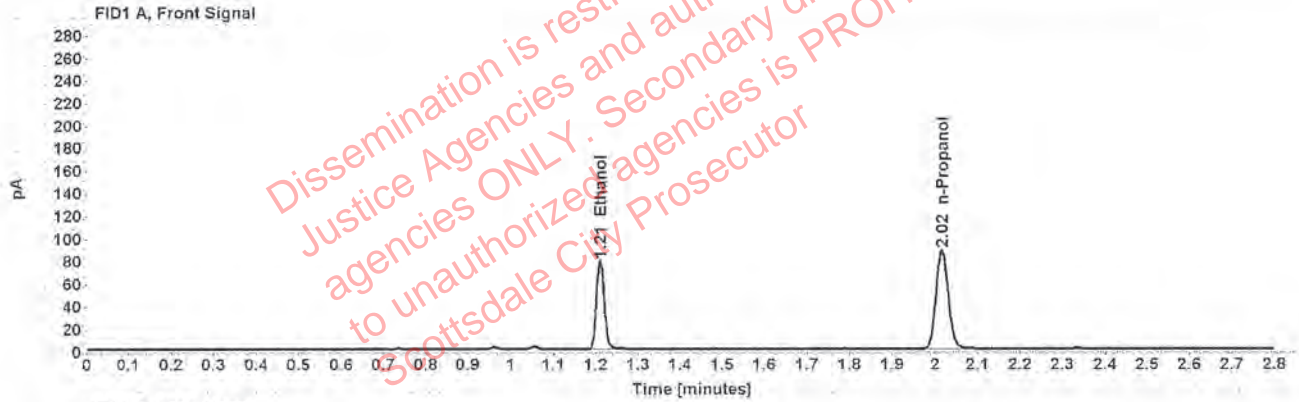


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1590	1.210	99.991
n-Propanol	-----	2.016	174.891

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

Compound	Time (min)	Peak Area
Ethanol	1.375	123.240
n-Propanol	2.469	208.022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310673	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:23:28 PM
Data file:	C:\Chem32\1\Data\05Mar20\13.D	Analyst:	Brooke

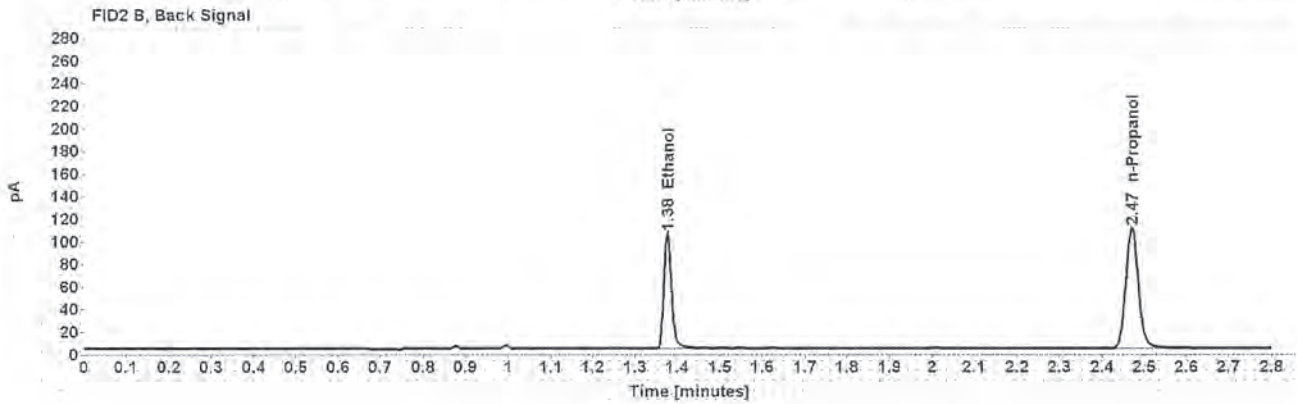
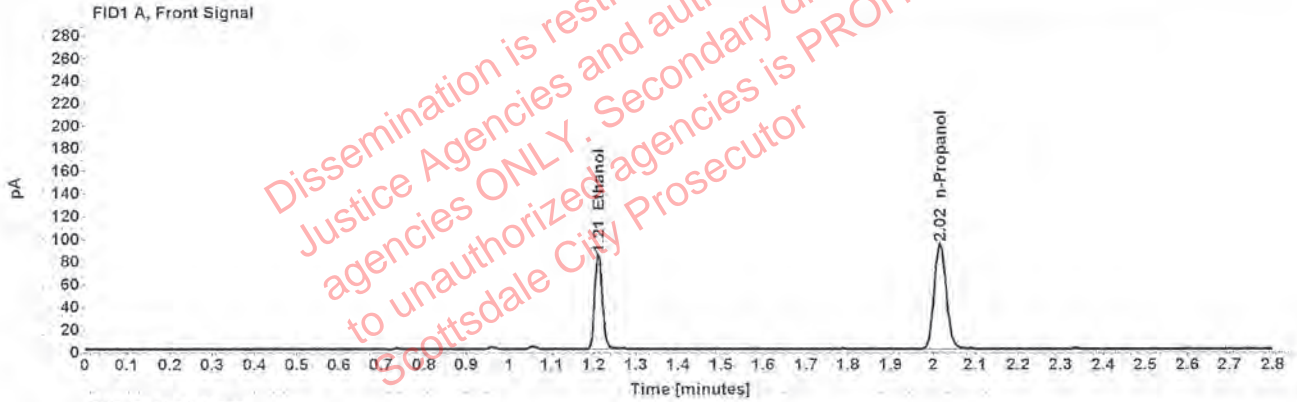


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1618	1.211	107.630
n-Propanol	-----	2.017	184.977

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

Compound	Time (min)	Peak Area
Ethanol	1.377	132.324
n-Propanol	2.470	220.771

Case: [REDACTED] User: pbrooke 3/9/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1308035	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:27:28 PM
Data file:	C:\Chem32\1\Data\05Mar20\14.D	Analyst:	Brooke

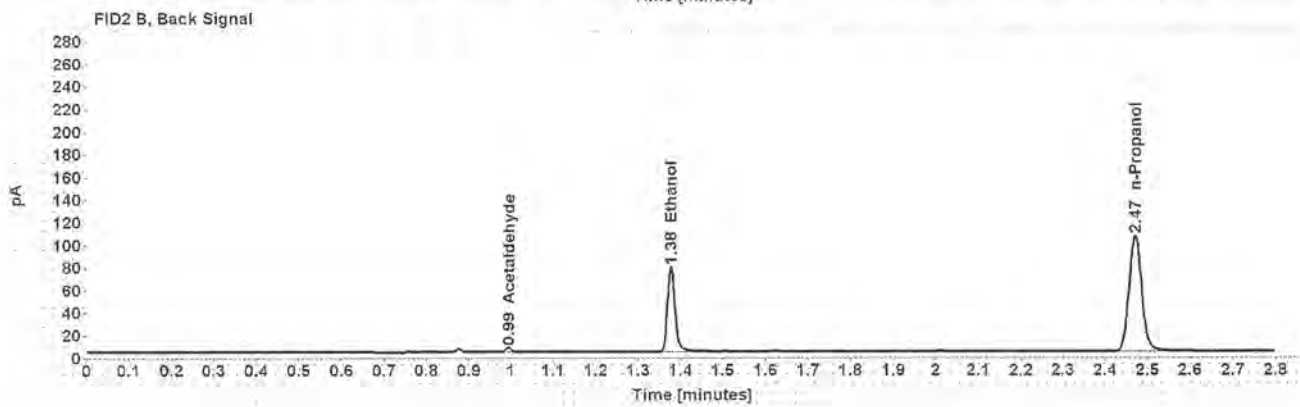
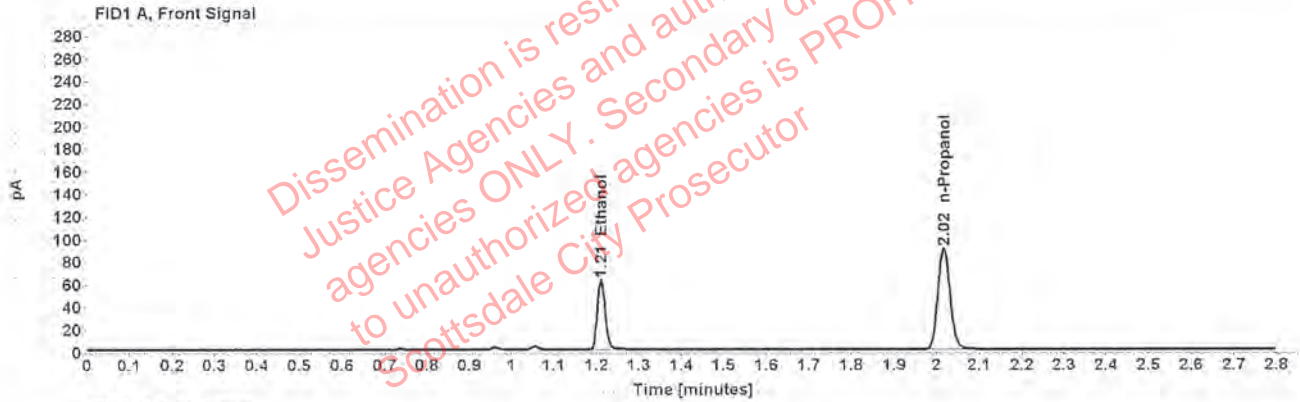


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1239	1.211	79.431
n-Propanol	-----	2.017	178.380

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.796
Ethanol	1.377	96.276
n-Propanol	2.470	212.530

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1308035	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:31:28 PM
Data file:	C:\Chem32\1\Data\05Mar20\15.D	Analyst:	Brooke

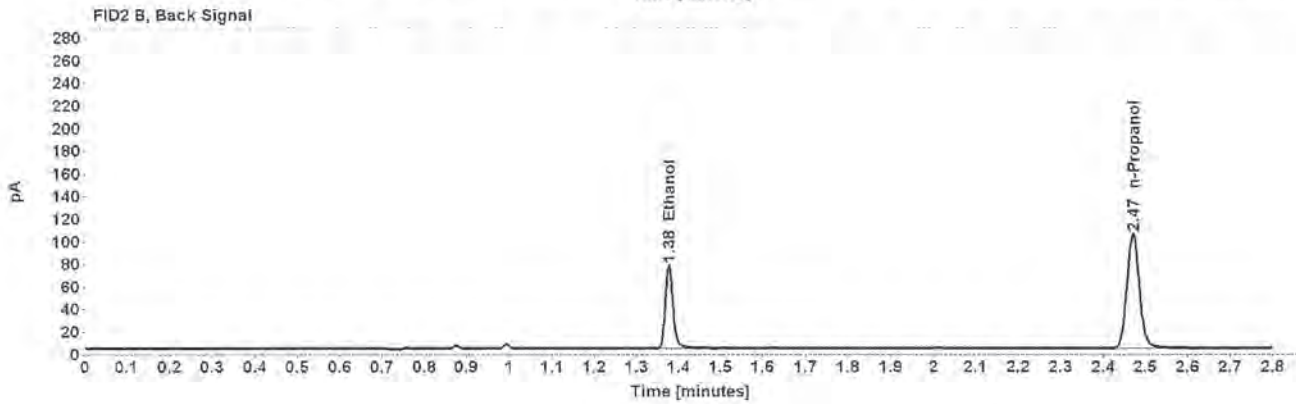
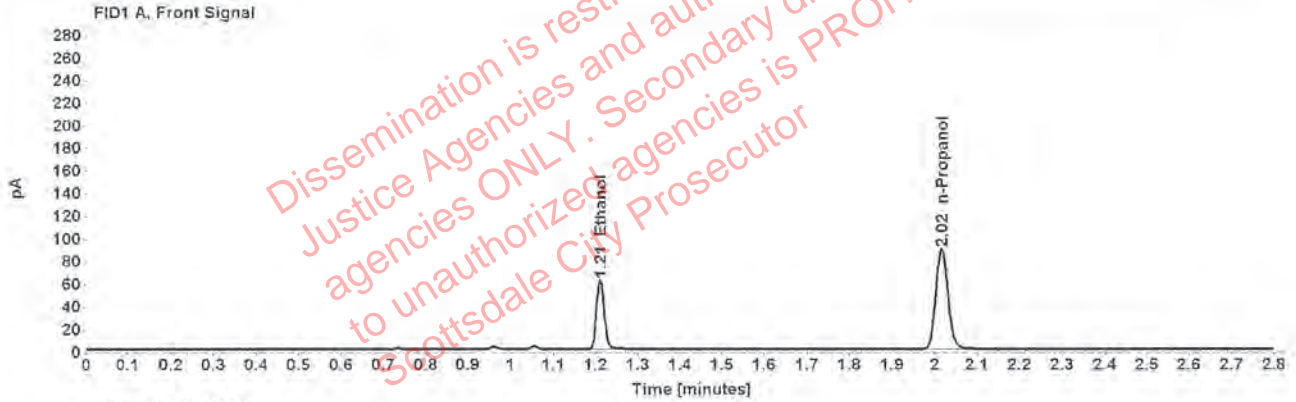


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1236	1.211	78.330
n-Propanol	—	2.016	176.302

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

Compound	Time (min)	Peak Area
Ethanol	1.376	94.986
n-Propanol	2.469	210.382

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1285113	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:35:28 PM
Data file:	C:\Chem32\1\Data\05Mar20\16.D	Analyst:	Brooke

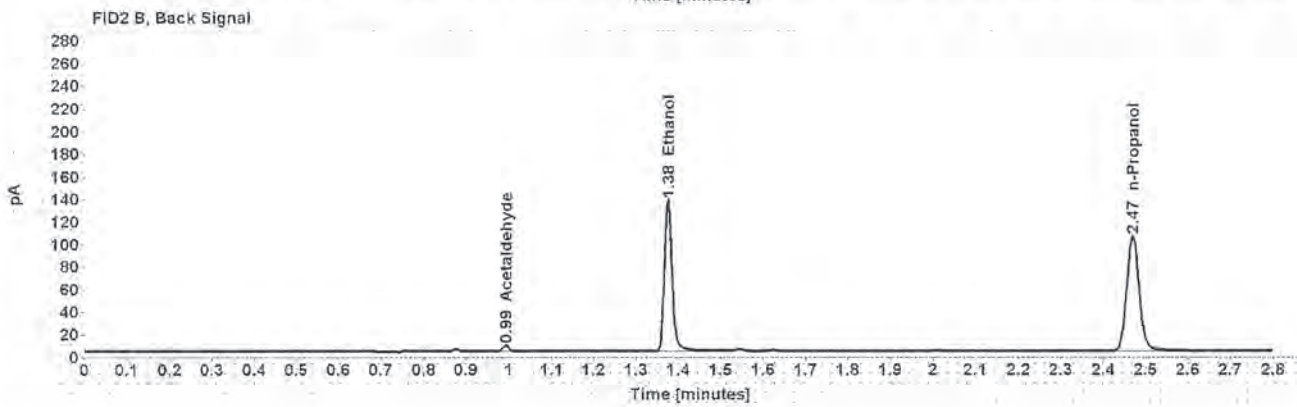
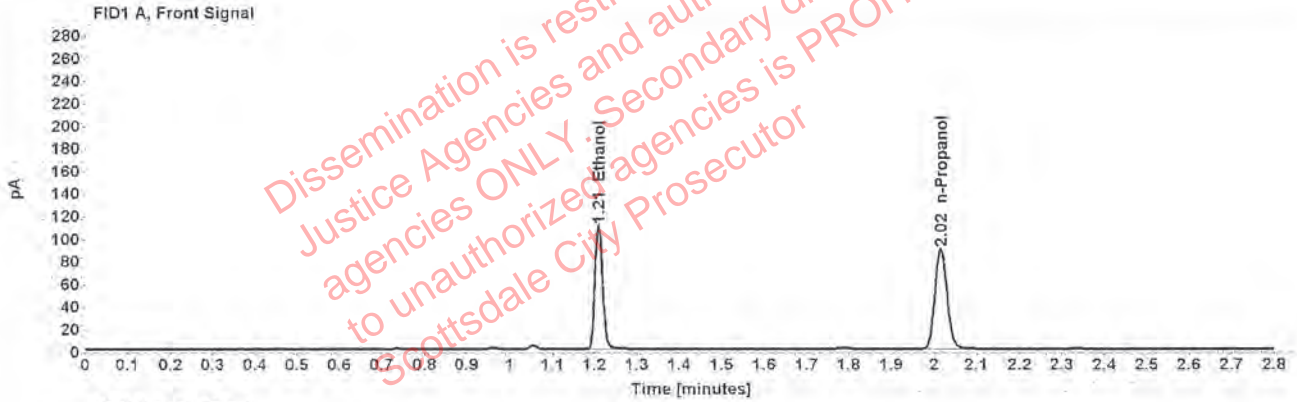


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2197	1.210	139.628
n-Propanol	—	2.016	176.700

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.787
Ethanol	1.375	172.115
n-Propanol	2.469	211.282

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1285113	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:39:27 PM
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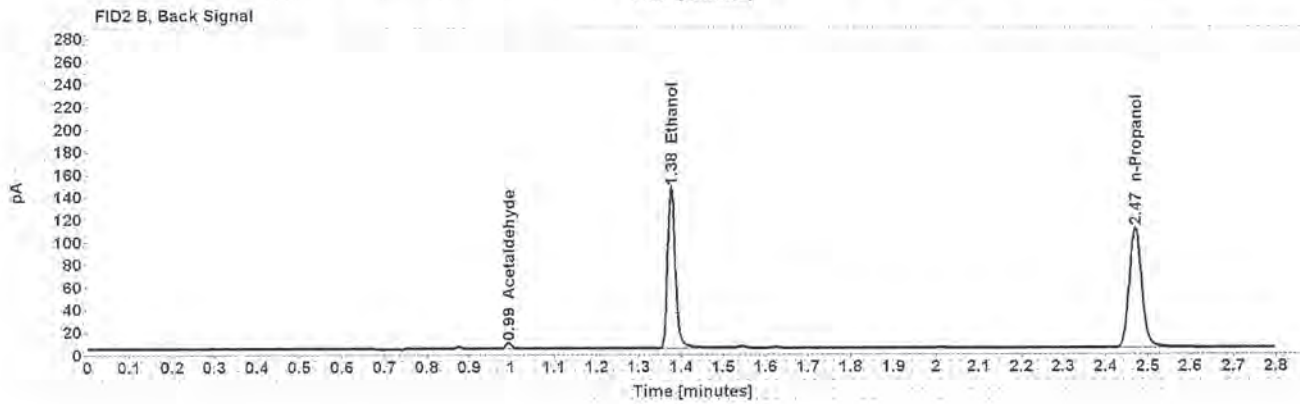
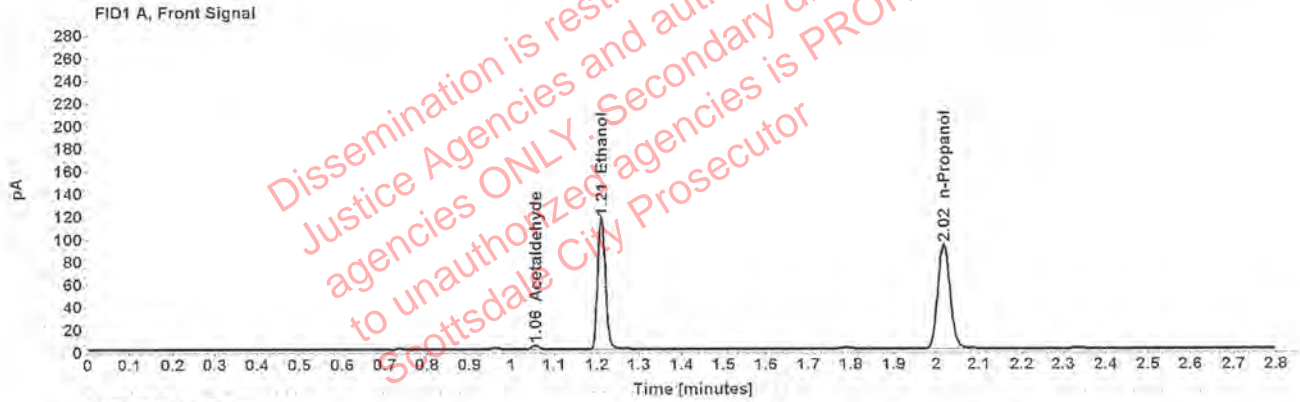


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.825
>Ethanol	0.2241	1.210	148.535
n-Propanol	-----	2.017	184.299

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.975
Ethanol	1.376	183.033
n-Propanol	2.470	220.697

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311147	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:43:27 PM
Data file:	C:\Chem32\1\Data\05Mar20\18.D	Analyst:	Brooke

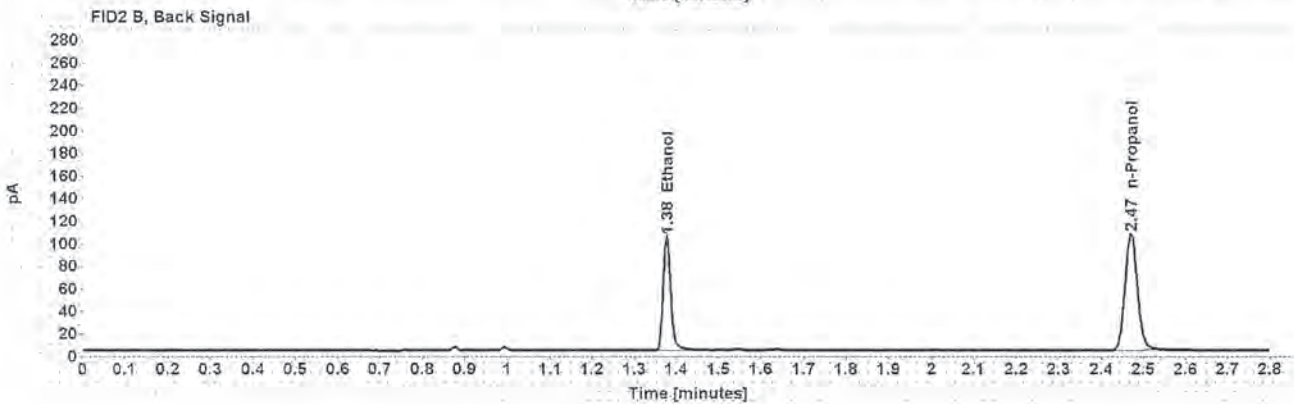
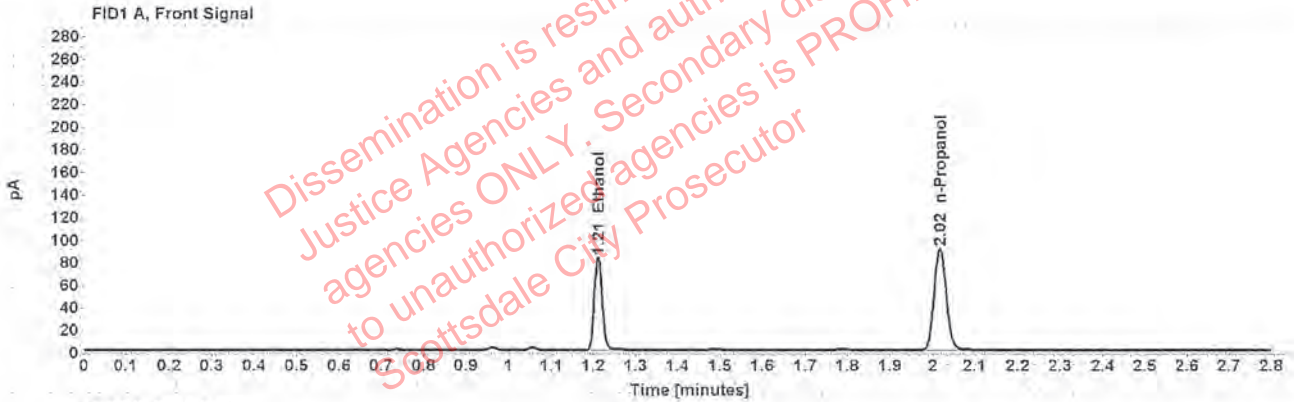


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1639	1.211	106.064
n-Propanol	-----	2.017	179.947

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

Compound	Time (min)	Peak Area
Ethanol	1.377	130.494
n-Propanol	2.470	213.473

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311147	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:47:43 PM
Data file:	C:\Chem32\1\Data\05Mar20\19.D	Analyst:	Brooke

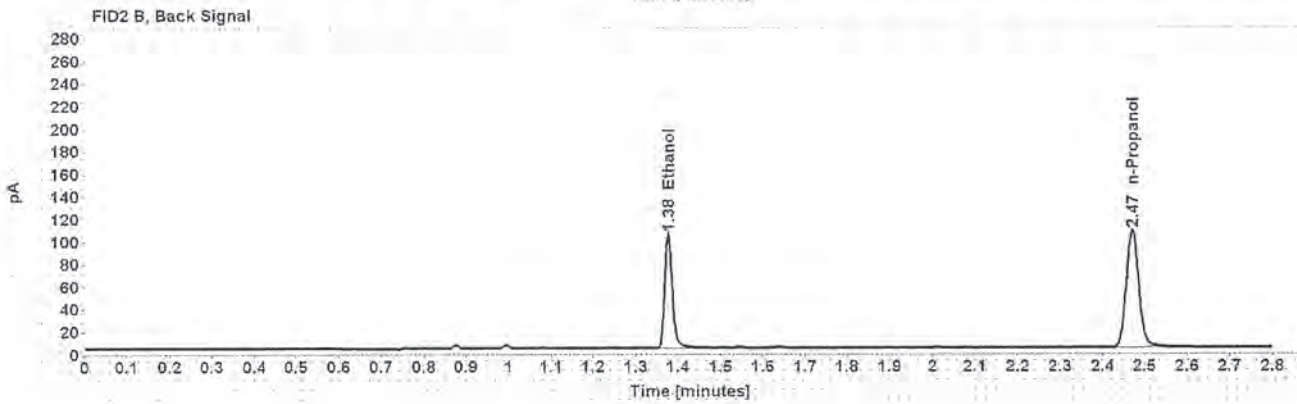
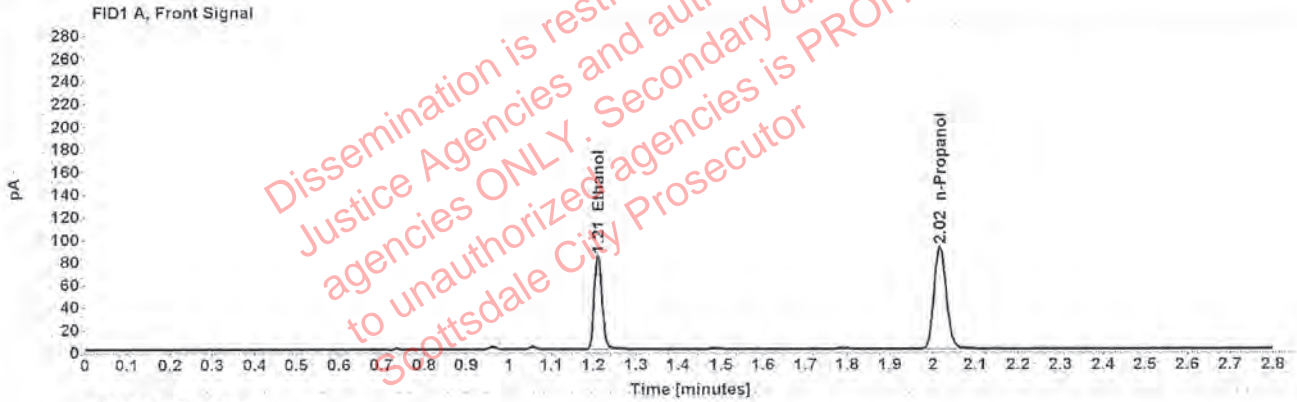


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1639	1.211	106.660
n-Propanol	-----	2.017	180.991

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

Compound	Time (min)	Peak Area
Ethanol	1.377	131.450
n-Propanol	2.470	214.666

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1308824	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:55:43 PM
Data file:	C:\Chem32\1\Data\05Mar20\21.D	Analyst:	Brooke

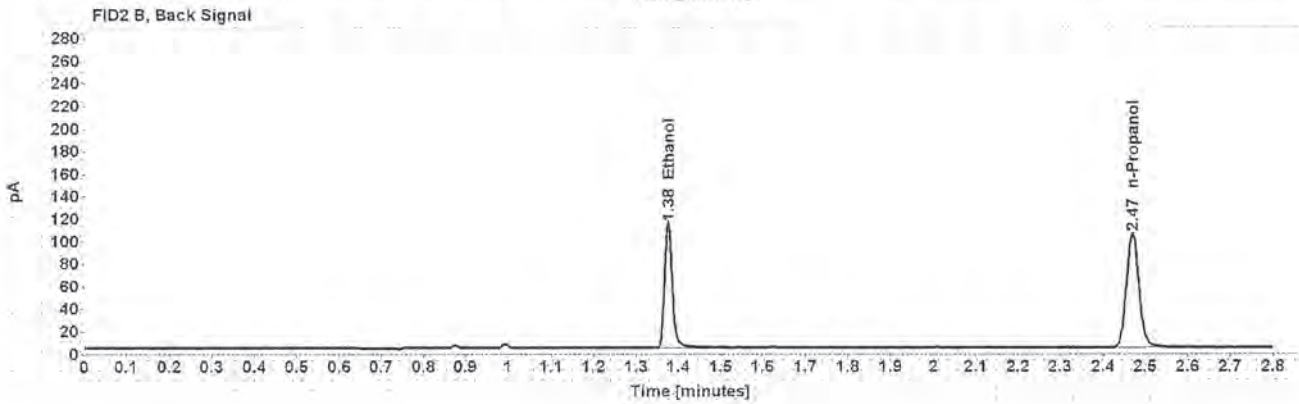
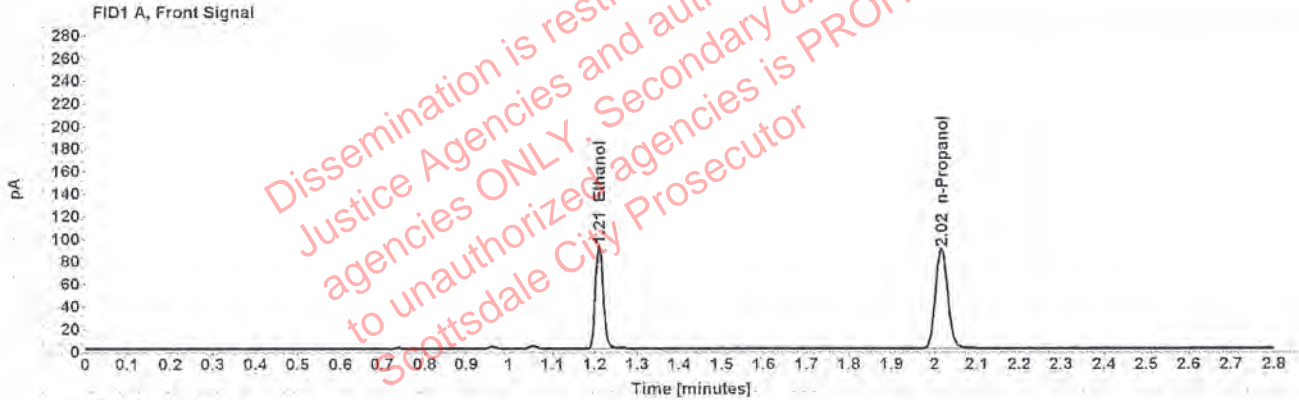


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1833	1.210	116.378
n-Propanol	-----	2.016	176.575

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

Compound	Time (min)	Peak Area
Ethanol	1.375	143.636
n-Propanol	2.469	210.144

Case: [REDACTED] User: pbrooke 3/9/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1308824	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 12:59:42 PM
Data file:	C:\Chem32\1\Data\05Mar20\22.D	Analyst:	Brooke

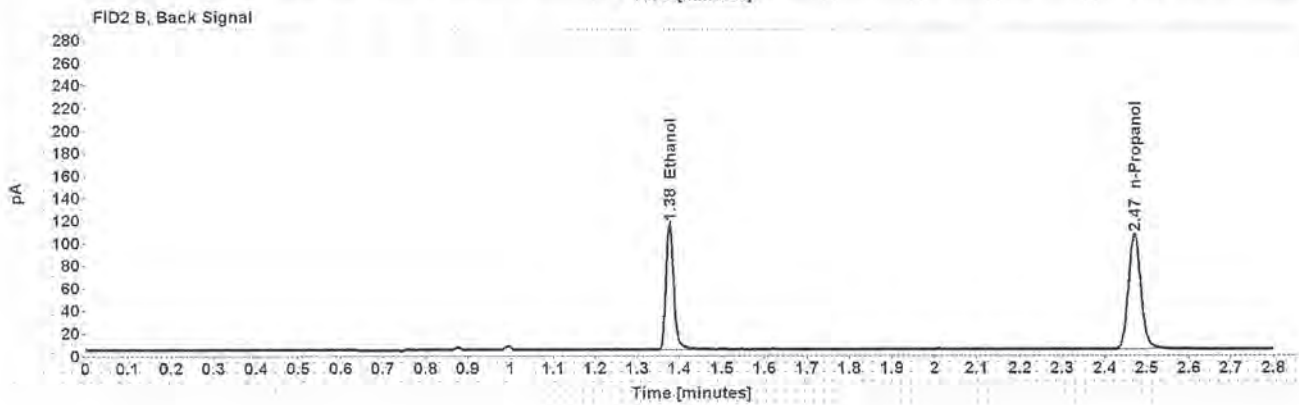
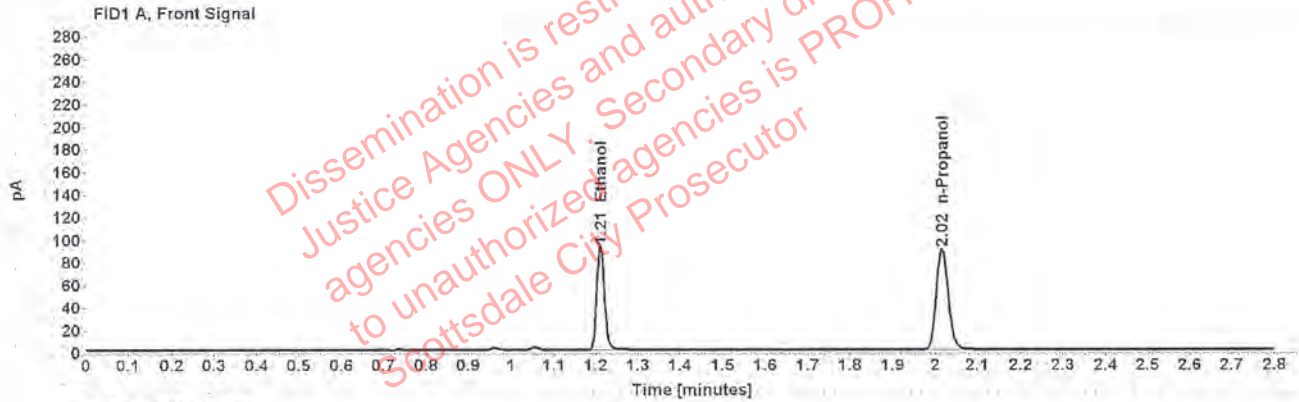


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1843	1.210	117.714
n-Propanol	-----	2.016	177.655

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

Compound	Time (min)	Peak Area
Ethanol	1.377	145.315
n-Propanol	2.470	211.098

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1308028	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:03:43 PM
Data file:	C:\Chem32\1\Data\05Mar20\23.D	Analyst:	Brooke

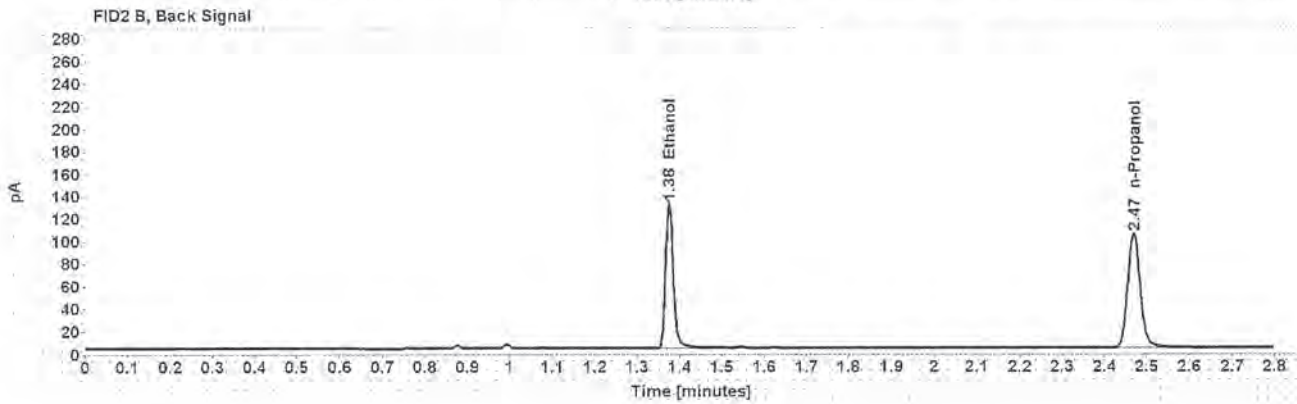
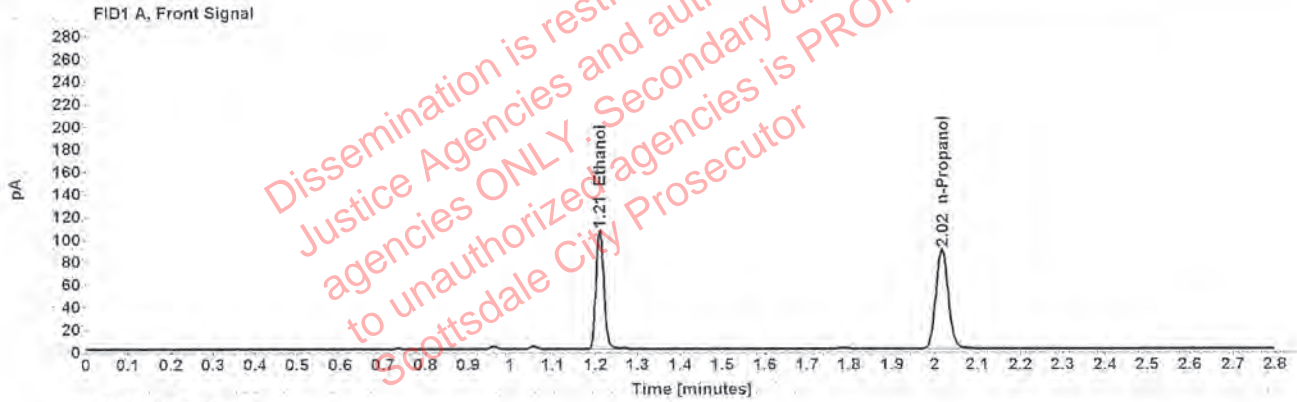


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2117	1.210	134.389
n-Propanol	-----	2.016	176.485

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

Compound	Time (min)	Peak Area
Ethanol	1.375	165.803
n-Propanol	2.469	211.183

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1308028	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:07:43 PM
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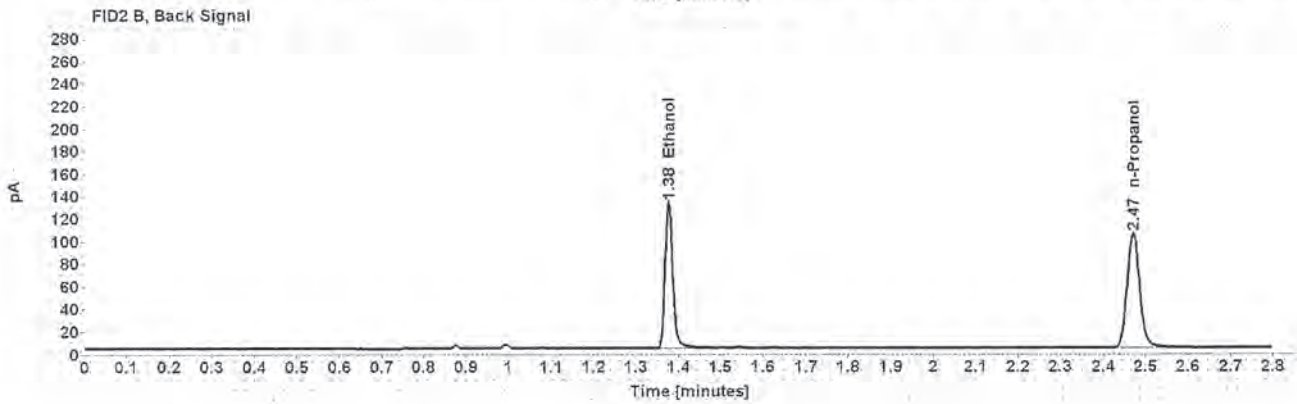
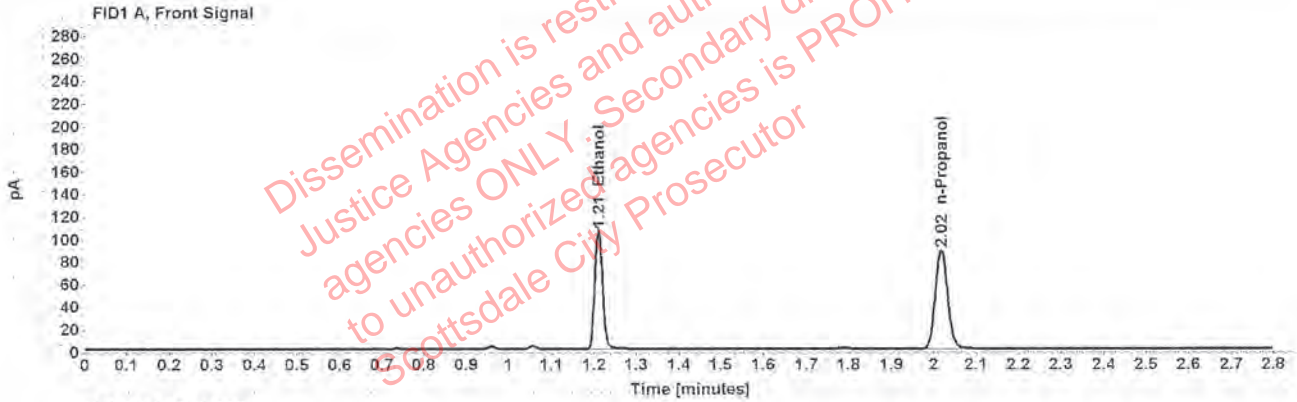


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2134	1.210	135.268
n-Propanol	-----	2.017	176.252

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.632
n-Propanol	2.470	210.511

Case: [REDACTED] User: pbrooke 3/9/2020

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288701	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:11:58 PM
Data file:	C:\Chem32\1\Data\05Mar20\25.D	Analyst:	Brooke

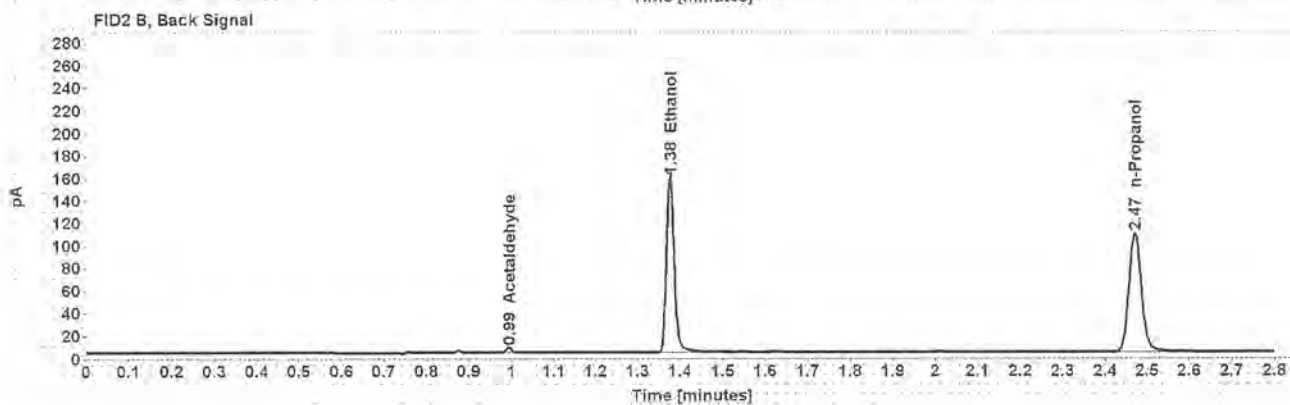
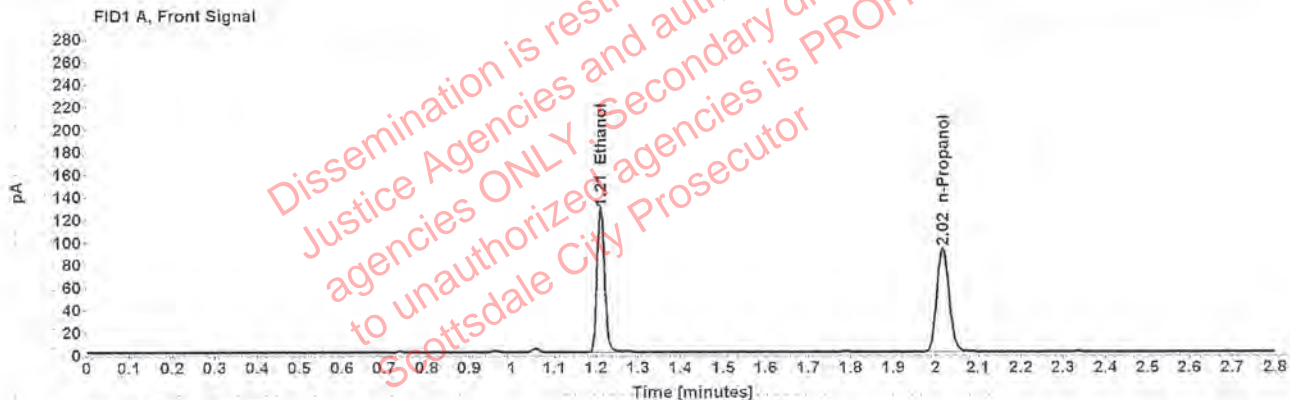


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2466	1.210	162.993
n-Propanol	-----	2.017	183.749

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.219
Ethanol	1.376	200.731
n-Propanol	2.470	220.265

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288701	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:15:58 PM
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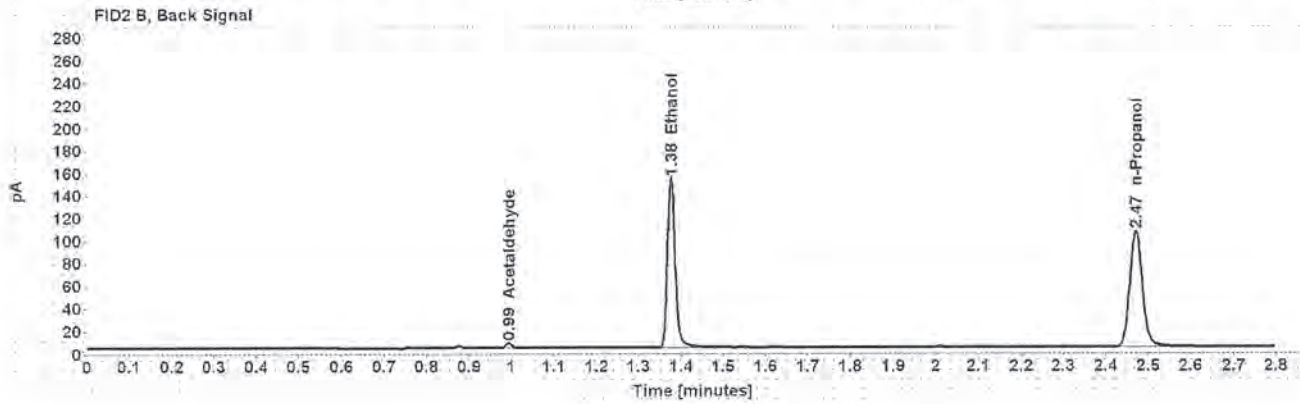
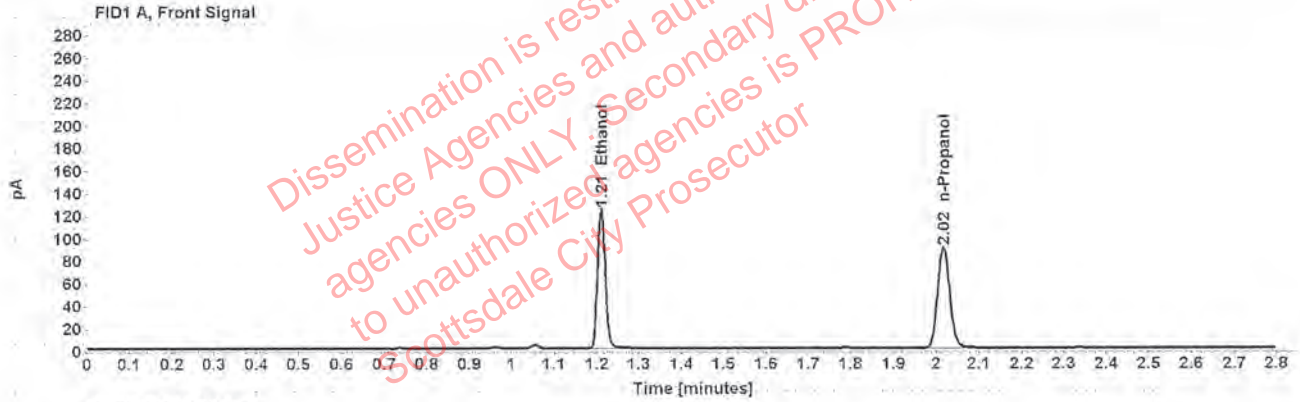


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2442	1.210	156.872
n-Propanol	-----	2.016	178.566

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.182
Ethanol	1.376	193.969
n-Propanol	2.470	214.270

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309489	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:19:58 PM
Data file:	C:\Chem3211\Data\05Mar20\27.D	Analyst:	Brooke

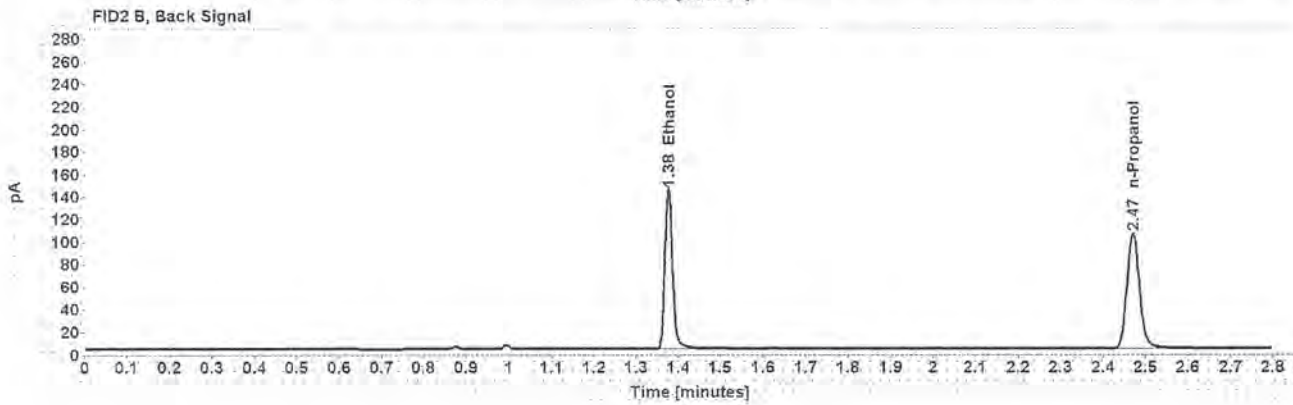
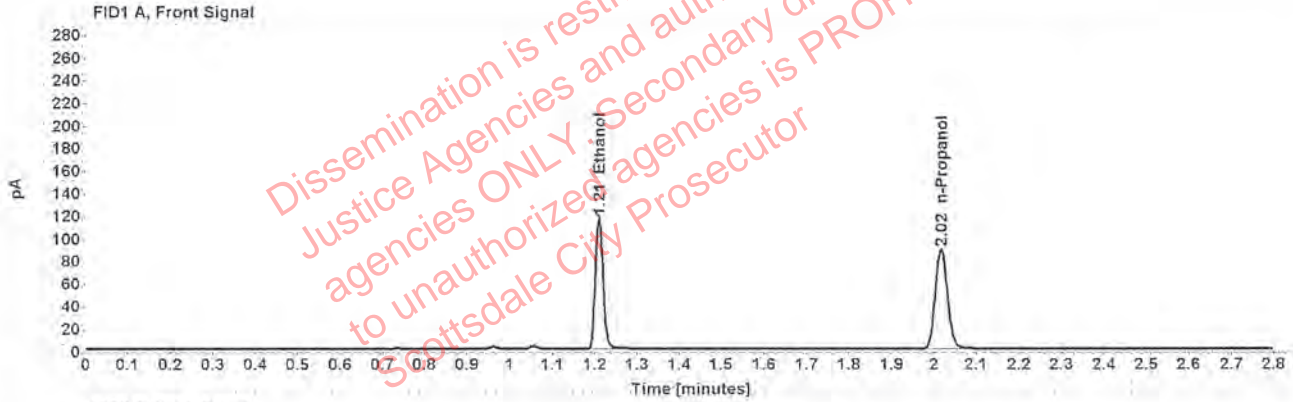


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2322	1.210	148.125
n-Propanol	-----	2.016	177.332

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

Compound	Time (min)	Peak Area
Ethanol	1.376	182.692
n-Propanol	2.470	212.605

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309489	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:23:58 PM
Data file:	C:\Chem32\1\Data\05Mar20\28.D	Analyst:	Brooke

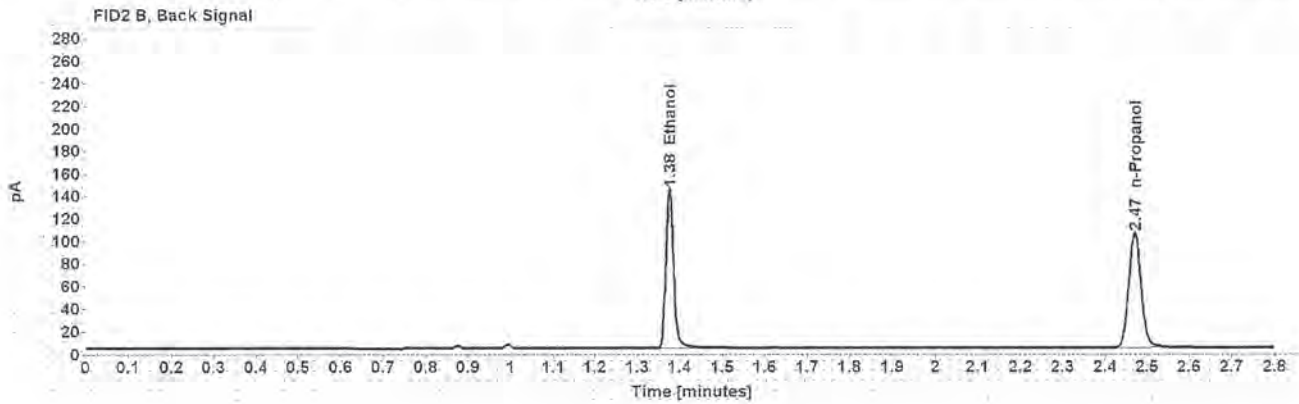
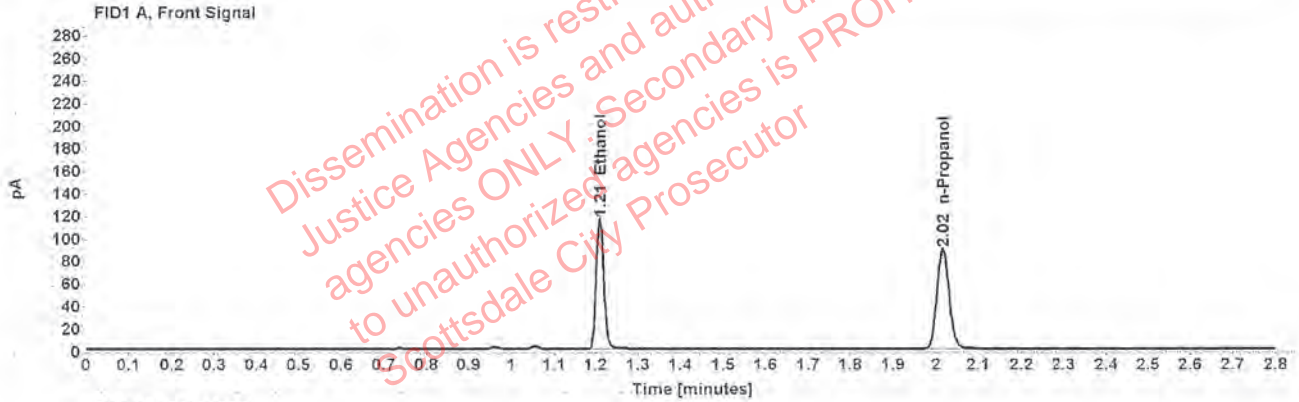


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2317	1.210	147.331
n-Propanol	—	2.016	176.800

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

Compound	Time (min)	Peak Area
Ethanol	1.375	182.159
n-Propanol	2.469	210.746

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288720	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:27:58 PM
Data file:	C:\Chem32\1\Data\05Mar20\29.D	Analyst:	Brooke

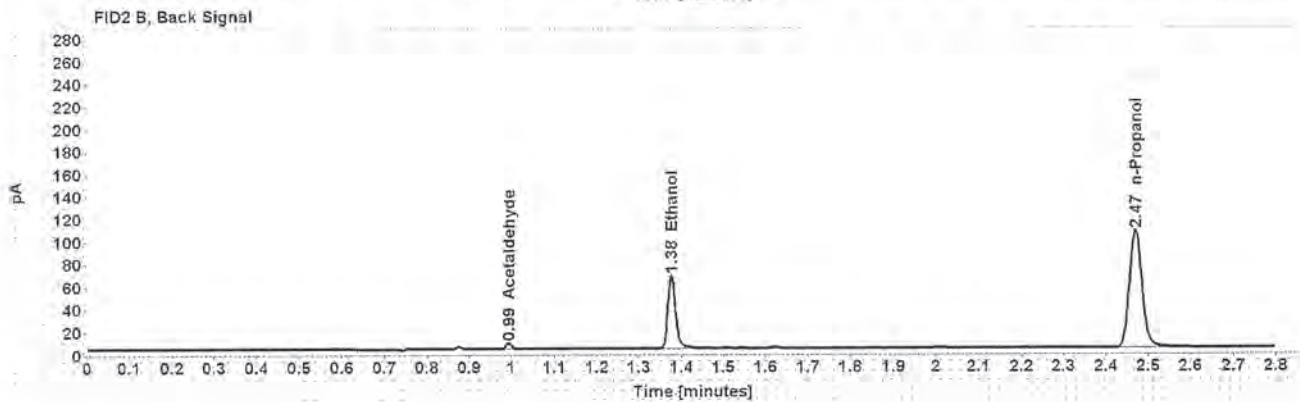
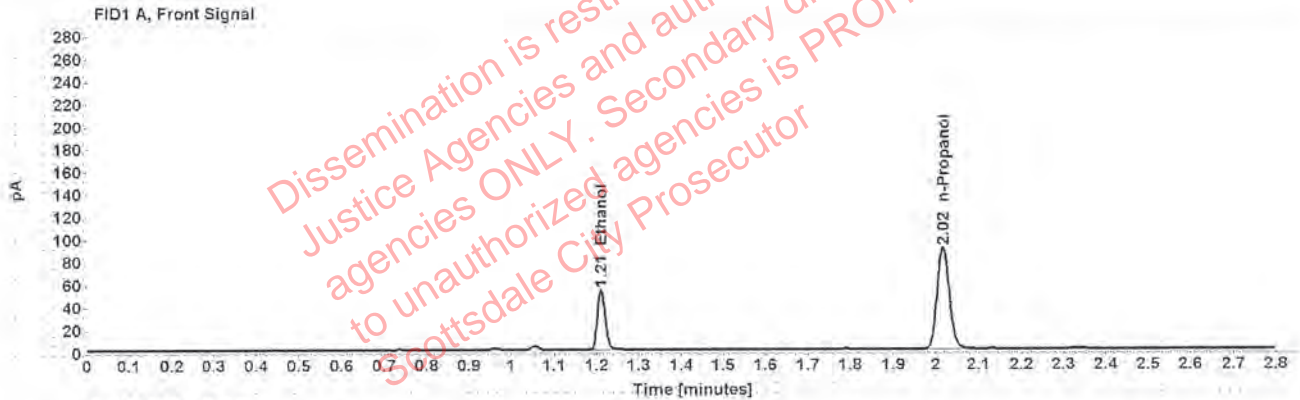


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1057	1.211	68.170
n-Propanol	-----	2.016	179.565

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.866
Ethanol	1.376	82.690
n-Propanol	2.469	214.821

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288720	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:31:58 PM
Data file:	C:\Chem32\1\Data\05Mar20\30.D	Analyst:	Brooke

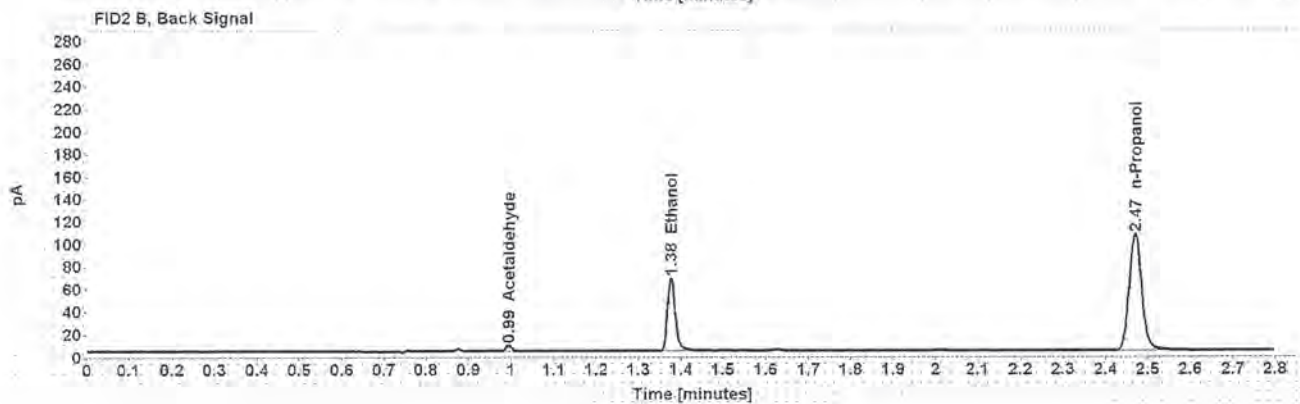
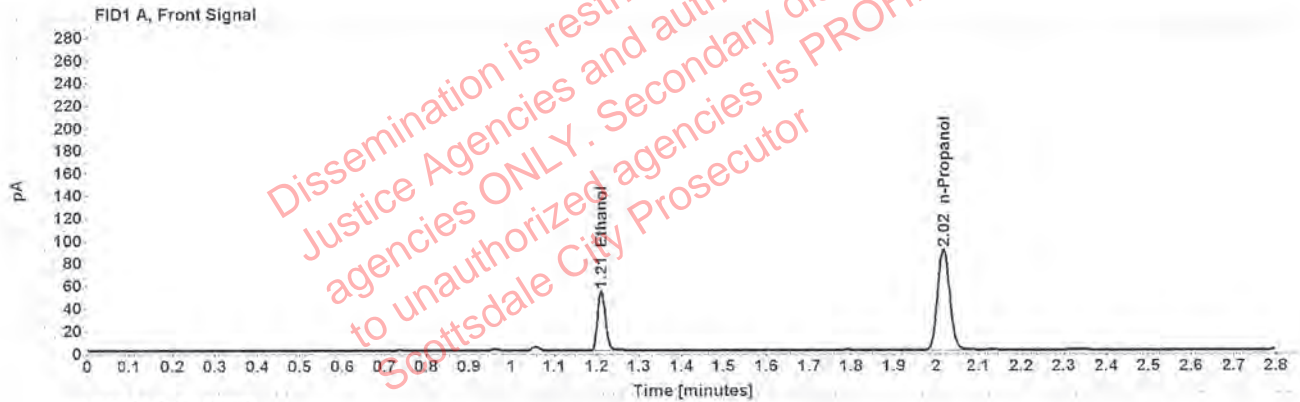


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1059	1.211	68.168
n-Propanol	-----	2.016	179.133

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.817
Ethanol	1.377	82.681
n-Propanol	2.470	214.448

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309507	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:40:12 PM
Data file:	C:\Chem32\1\Data\05Mar20\32.D	Analyst:	Brooke

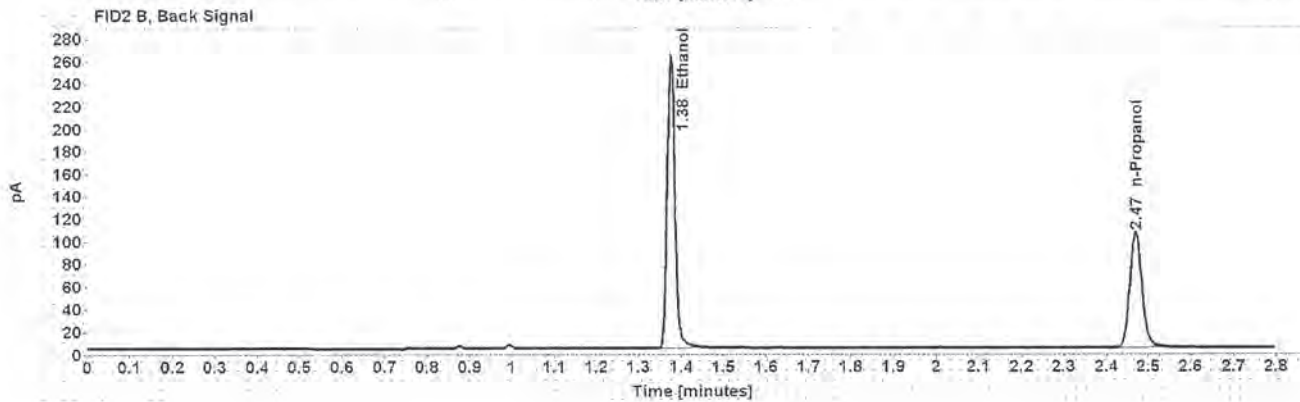
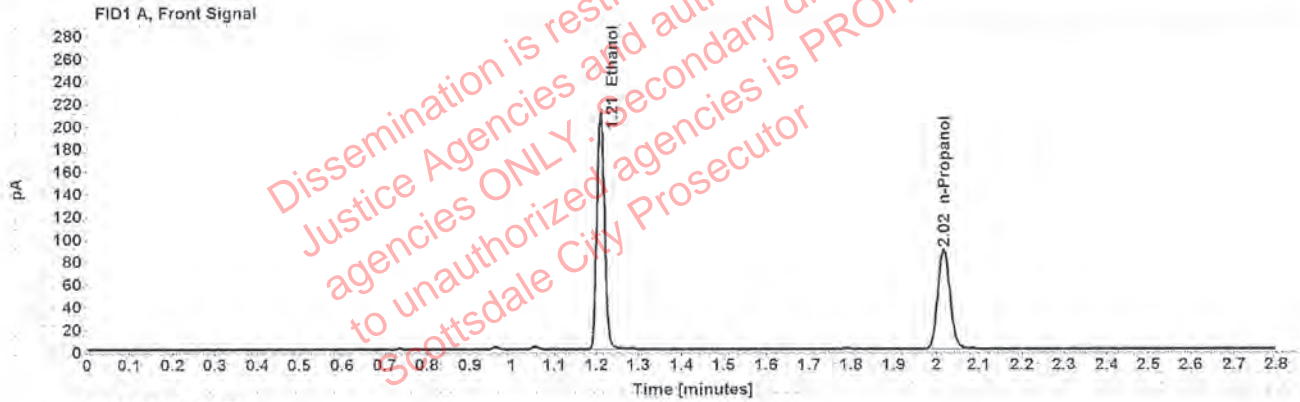


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4182	1.209	266.216
n-Propanol	-----	2.016	176.890

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

Compound	Time (min)	Peak Area
Ethanol	1.376	326.986
n-Propanol	2.469	210.555

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309507	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:44:13 PM
Data file:	C:\Chem32\1\Data\05Mar20\33.D	Analyst:	Brooke

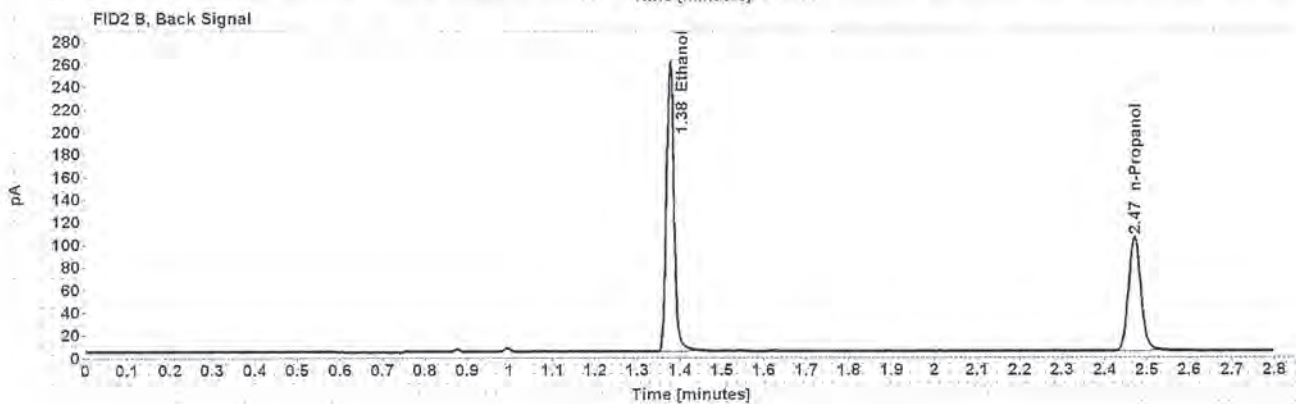
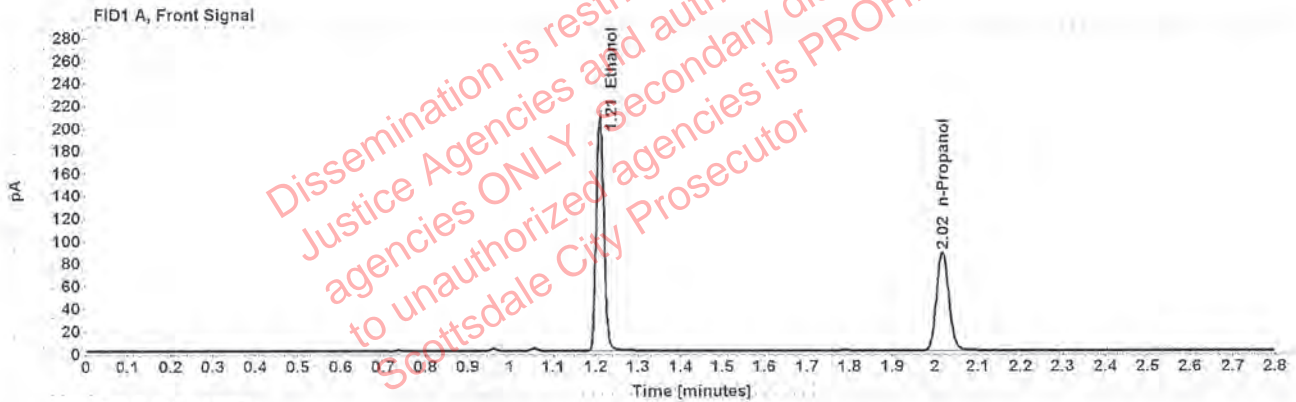


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4186	1.210	263.707
n-Propanol	-----	2.016	175.040

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

Compound	Time (min)	Peak Area
Ethanol	1.376	323.642
n-Propanol	2.470	208.178

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311484	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:48:13 PM
Data file:	C:\Chem32\1\Data\05Mar20\34.D	Analyst:	Brooke

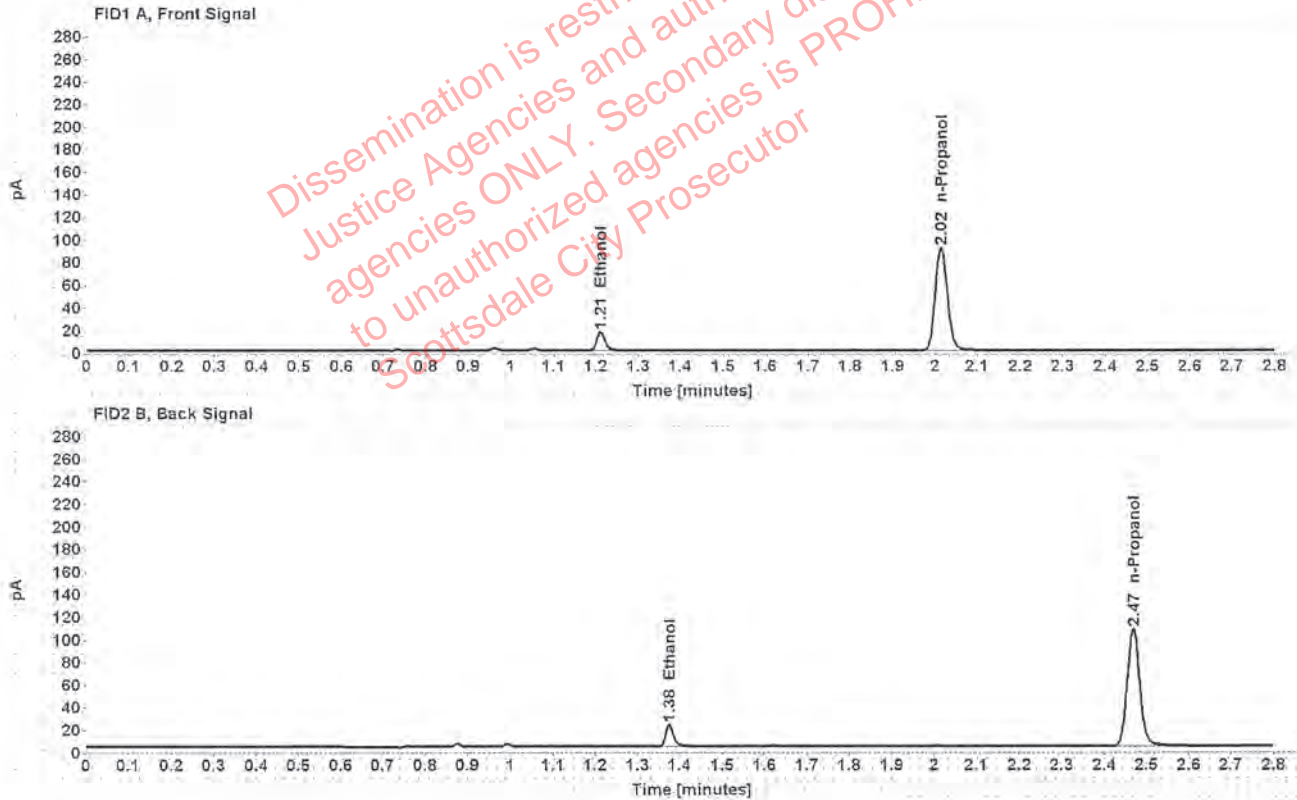


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0325	1.211	21.064
n-Propanol	-----	2.015	181.427

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

Compound	Time (min)	Peak Area
Ethanol	1.376	26.149
n-Propanol	2.468	216.684

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311484	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:52:12 PM
Data file:	C:\Chem32\1\Data\05Mar20\35.D	Analyst:	Brooke

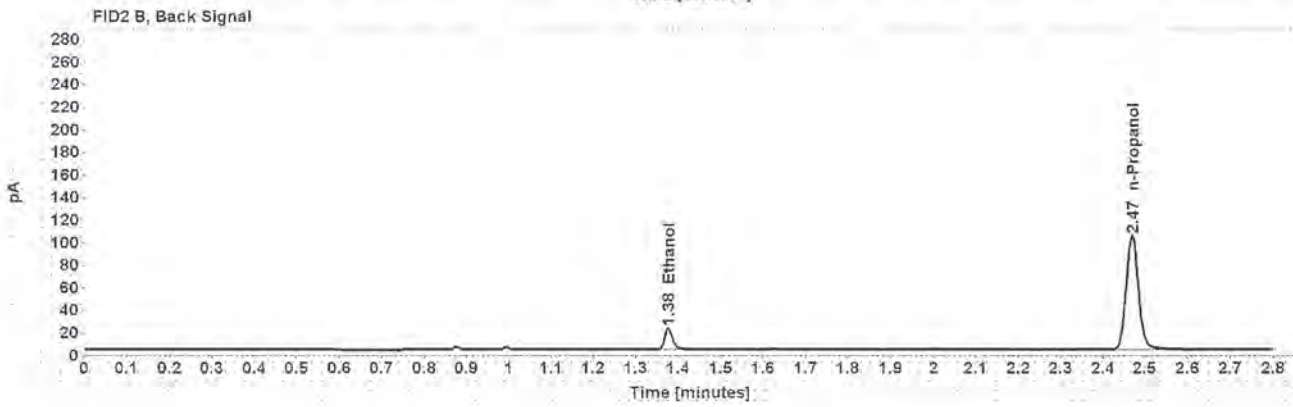


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0325	1.212	20.473
n-Propanol	-----	2.016	176.107

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

Compound	Time (min)	Peak Area
Ethanol	1.377	25.433
n-Propanol	2.469	210.454

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311370	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 1:56:13 PM
Data file:	C:\Chem32\1\Data\05Mar20\36.D	Analyst:	Brooke

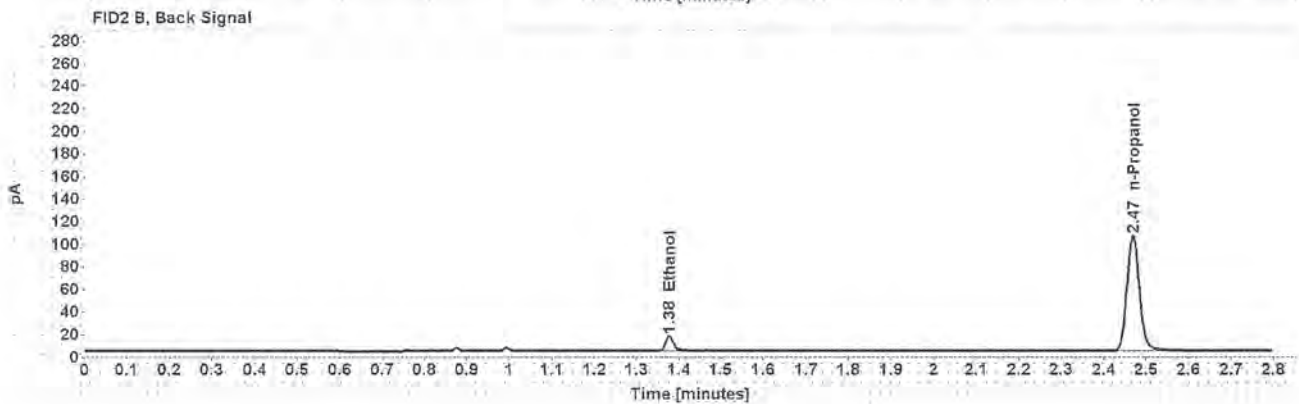
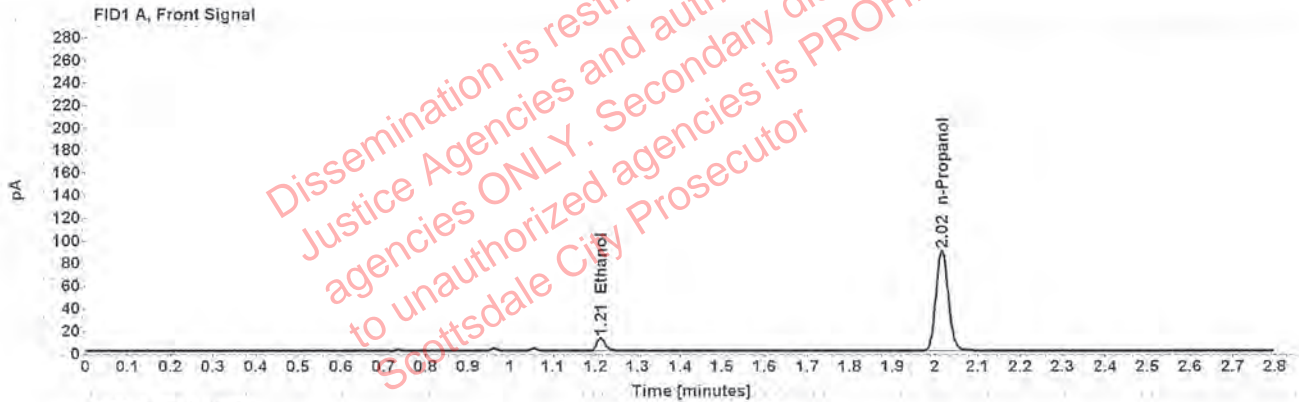


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0230	1.212	14.516
n-Propanol	-----	2.015	177.387

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

Compound	Time (min)	Peak Area
Ethanol	1.377	17.990
n-Propanol	2.469	211.681

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311370	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 2:00:28 PM
Data file:	C:\Chem32\1\Data\05Mar20\37.D	Analyst:	Brooke

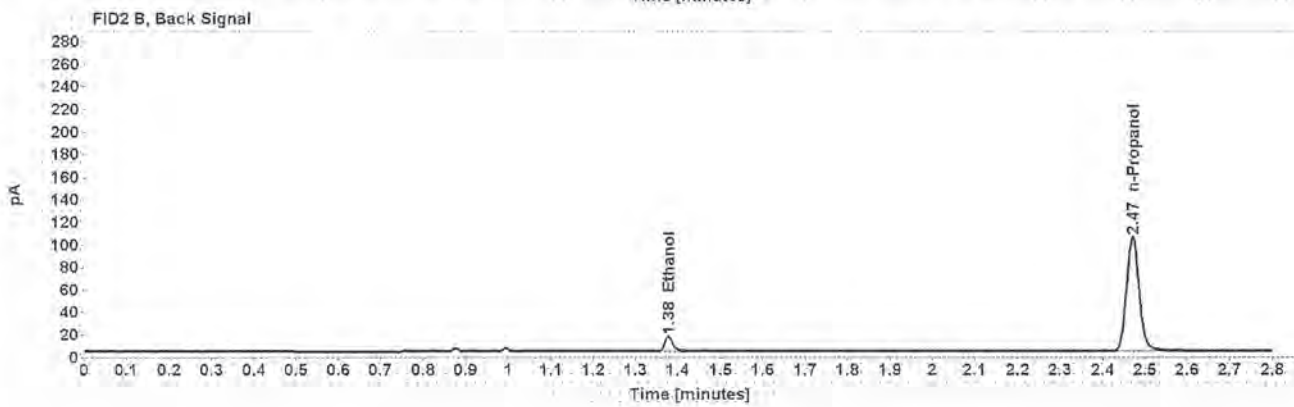


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0230	1.213	14.509
n-Propanol	-----	2.016	176.815

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

Compound	Time (min)	Peak Area
Ethanol	1.378	18,000
n-Propanol	2.470	211.074

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309017	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 2:04:28 PM
Data file:	C:\Chem32\1\Data\05Mar20\38.D	Analyst:	Brooke

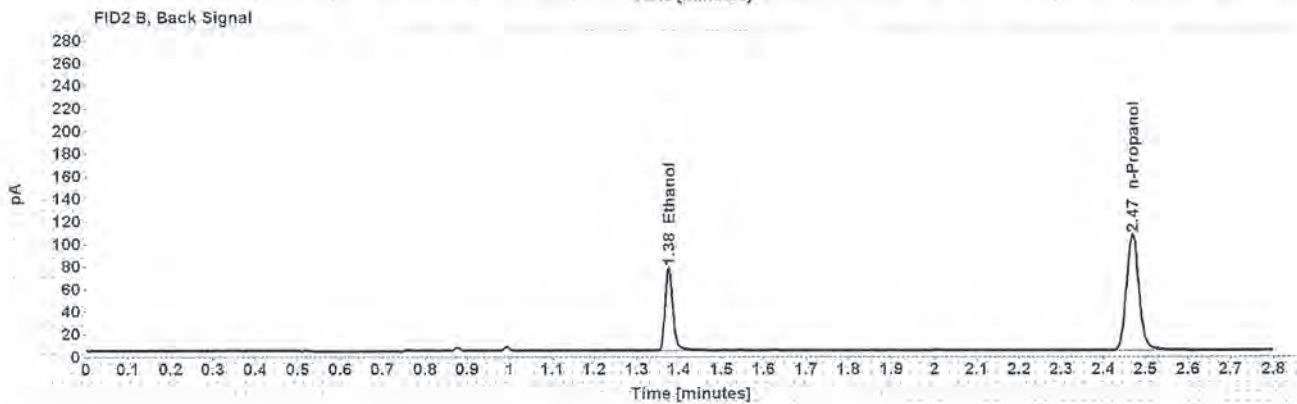
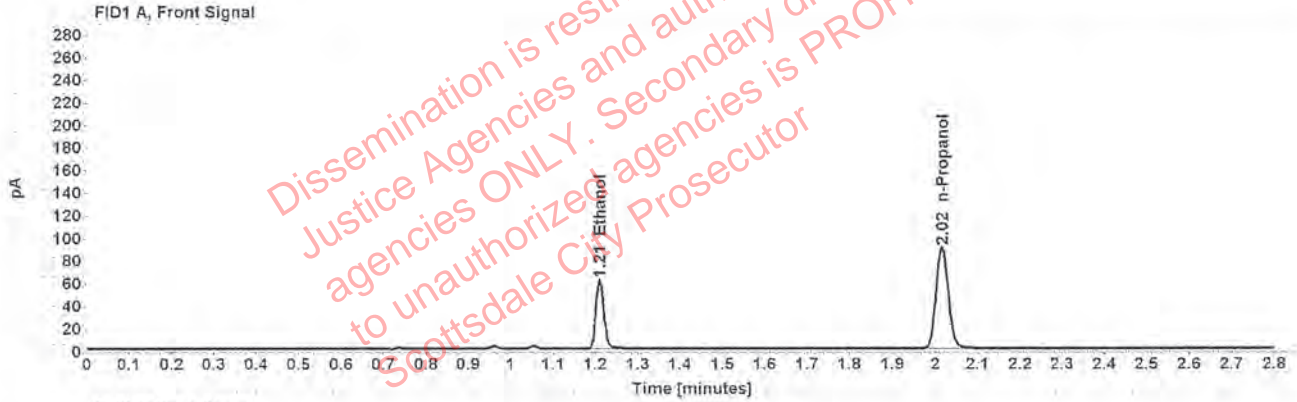


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1213	1.210	77.921
n-Propanol	-----	2.016	178.750

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

Compound	Time (min)	Peak Area
Ethanol	1.375	94.599
n-Propanol	2.469	213.577

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1309017	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	05Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/5/2020 2:08:28 PM
Data file:	C:\Chem32\1\Data\05Mar20\39.D	Analyst:	Brooke

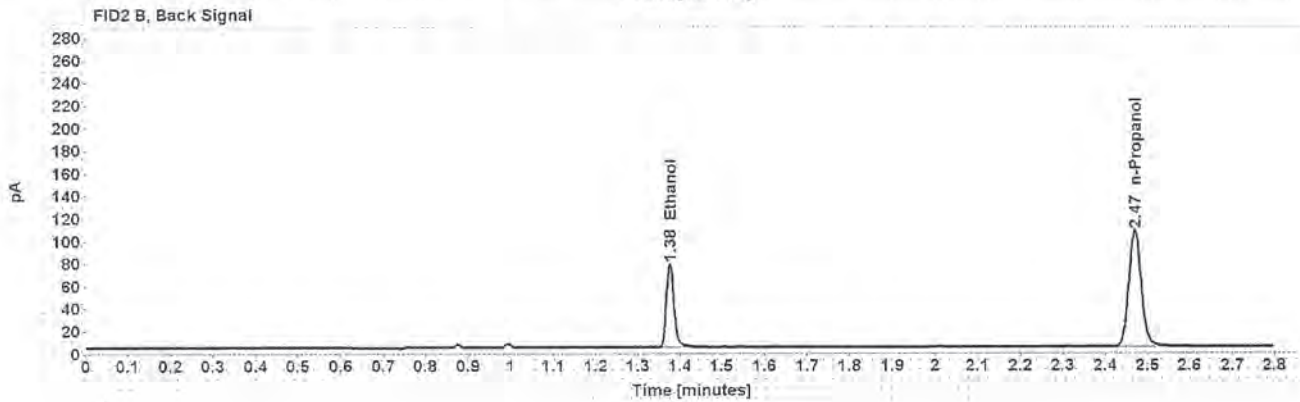
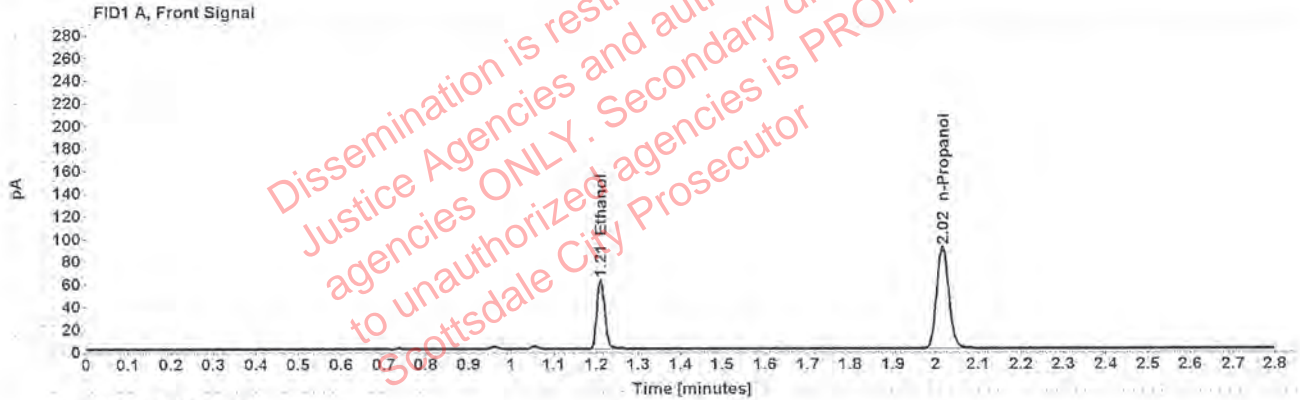


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1220	1.210	78.584
n-Propanol	-----	2.016	179.226

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

Compound	Time (min)	Peak Area
Ethanol	1.376	94.966
n-Propanol	2.469	214.215