

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 07/02/19 SEQUENCE NAME 02JUL19

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 051619
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous Control	0.400 g/dL	0.403 g/dL	Lipomed 08012015-C
8	Aqueous Control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood Control	0.198 g/dL	0.207 g/dL	ACQ 407041529/13
20	Aqueous Control	0.080 g/dL	0.079 g/dL	Lipomed 28082014-B
31	Aqueous Control	0.150 g/dL	0.151 g/dL	Lipomed 09022015-C
42	Blood Control	0.198 g/dL	0.197 g/dL	ACQ 407041529/13
45	Aqueous Control	0.400 g/dL	0.403 g/dL	Lipomed 08012015-C
46	Aqueous Control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
47	Blood Control	0.198 g/dL	0.195 g/dL	ACQ 407041529/13
48	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 16 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected. Transcription error on middle name for [redacted] (vials 14/15) and [redacted] (vials 27/28). Hand corrected middle name on chromatograms and sequence summary for those cases.

Run valid Run invalid MUR B M 66 7/5/19 Analyst
 Run valid Run invalid KOSECIKI 7/5/19 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

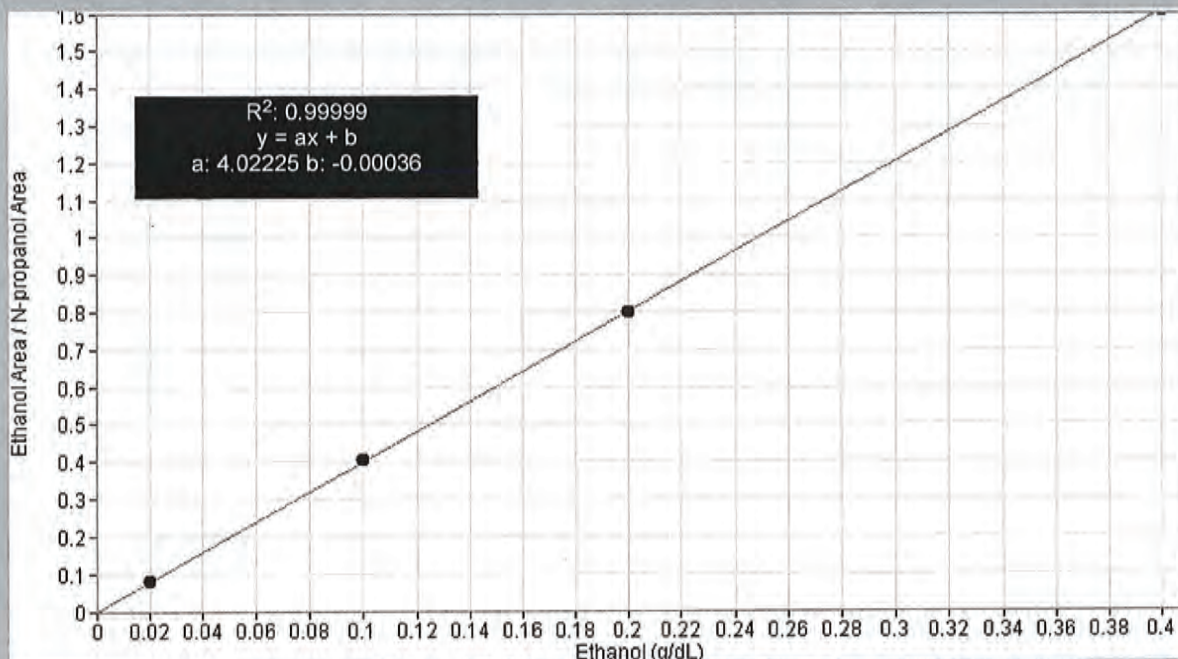
SEQUENCE NAME: 02JUL19

ANALYST: Raines *ML*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 051619	5	negative	negative	-	-
0.400 08012015-C	7	0.403	0.400	0.75	0.003
0.040 09022015-A	8	0.039	0.040	2.50	-0.001
0.198 407041529/13	9	0.207	0.198	4.55	0.009
0.080 28082014-B	20	0.079	0.080	1.25	-0.001
0.150 09022015-C	31	0.151	0.150	0.67	0.001
0.198 407041529/13	42	0.197	0.198	0.51	-0.001
0.40 08012015-C	45	0.403	0.400	0.75	0.003
0.04 09022015-A	46	0.039	0.040	2.50	-0.001
0.198 407041529/13	47	0.195	0.198	1.52	-0.003
blank 040919WB	48	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.797	160.622	0.080
0.100	64.403	159.235	0.405
0.200	123.138	153.728	0.801
0.400	244.961	152.201	1.610

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03241604	Vial:	1
Description:	0.020 calibrator	Sequence:	02JUL19
Method:	ethanol quant.M	Injection date:	7/2/2019 3:00:25 PM
Instrument:	US14173023 CN14160045	Analyst:	Raines <i>[Signature]</i>
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\1.D		

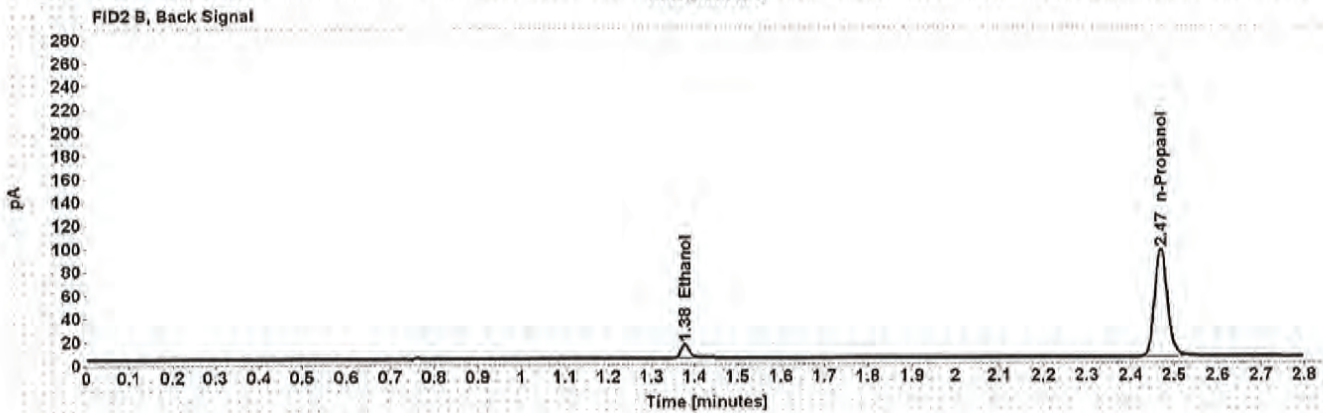
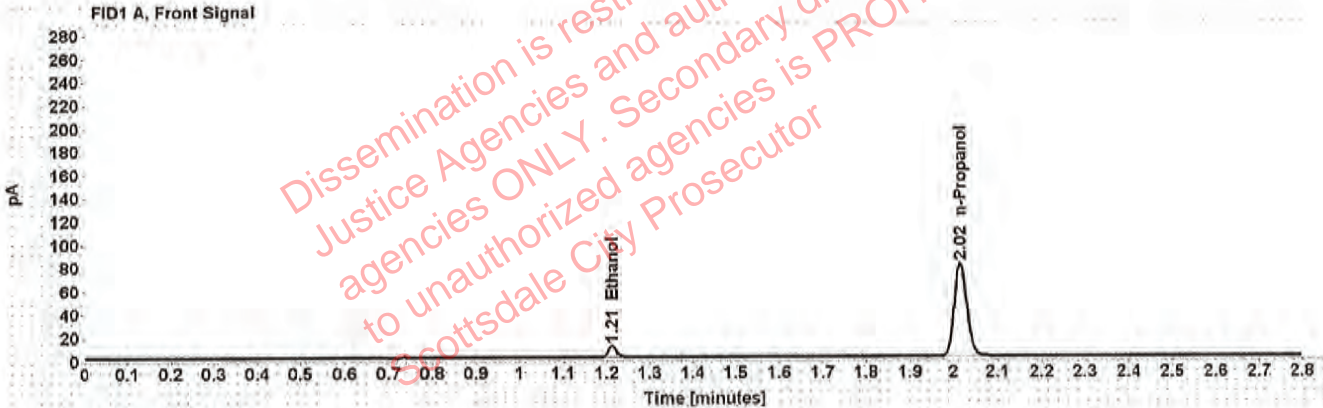


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	12.797
n-Propanol	2.015	160.622

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

Compound	Time (min)	Peak Area
Ethanol	1.377	15.358
n-Propanol	2.470	191.108

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 02JUL19
Method: ethanol quant.M	Injection date: 7/2/2019 3:04:25 PM
Instrument: US14173023 CN14160045	Analyst: Raines <i>[Signature]</i>
Data file: C:\Chem32\1\Data\02JUL19\02JUL19\2.D	

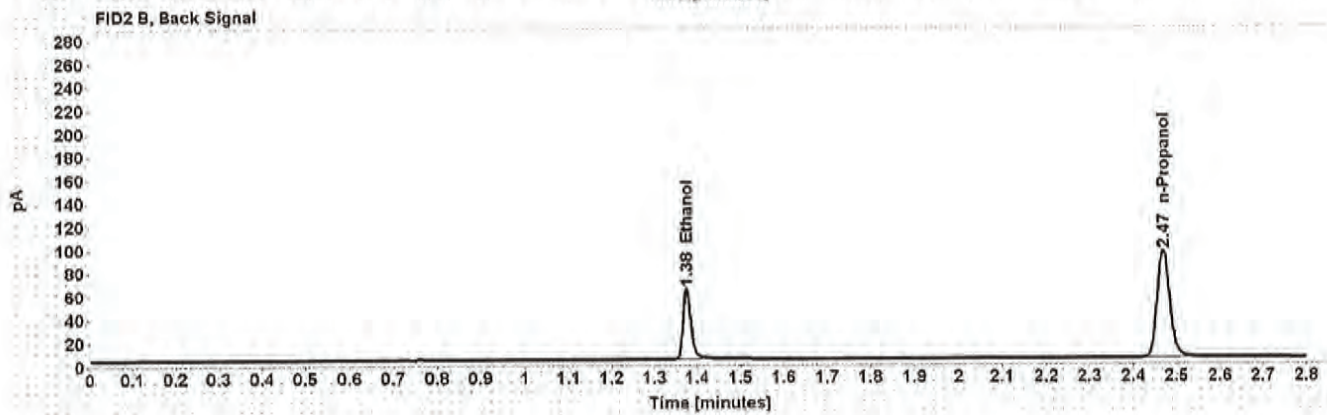
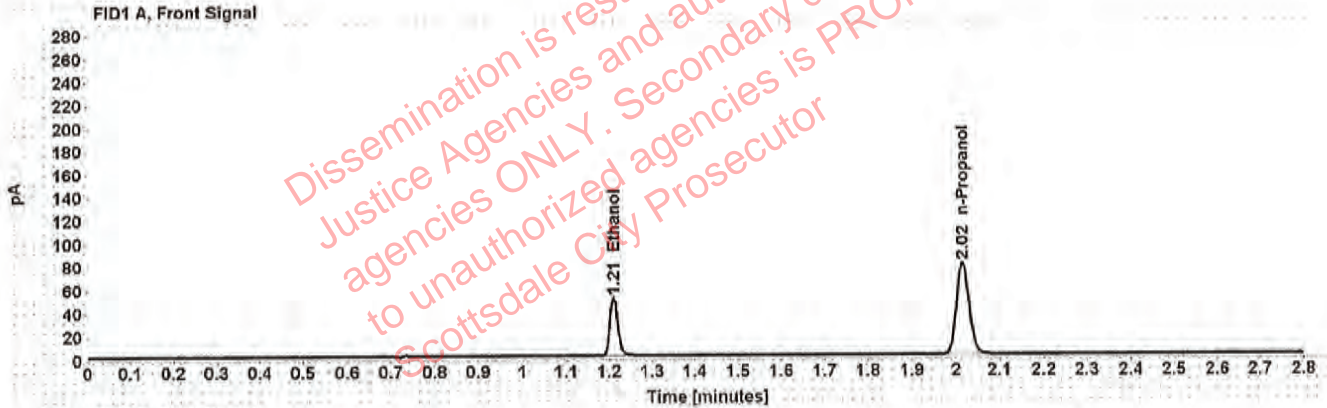


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	64.403
n-Propanol	2.015	159.235

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

Compound	Time (min)	Peak Area
Ethanol	1.376	78.258
n-Propanol	2.470	189.979

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 02JUL19
Method: ethanol quant.M	Injection date: 7/2/2019 3:08:25 PM
Instrument: US14173023 CN14160045	Analyst: Raines <i>NR</i>
Data file: C:\Chem32\1\Data\02JUL19\02JUL19\3.D	

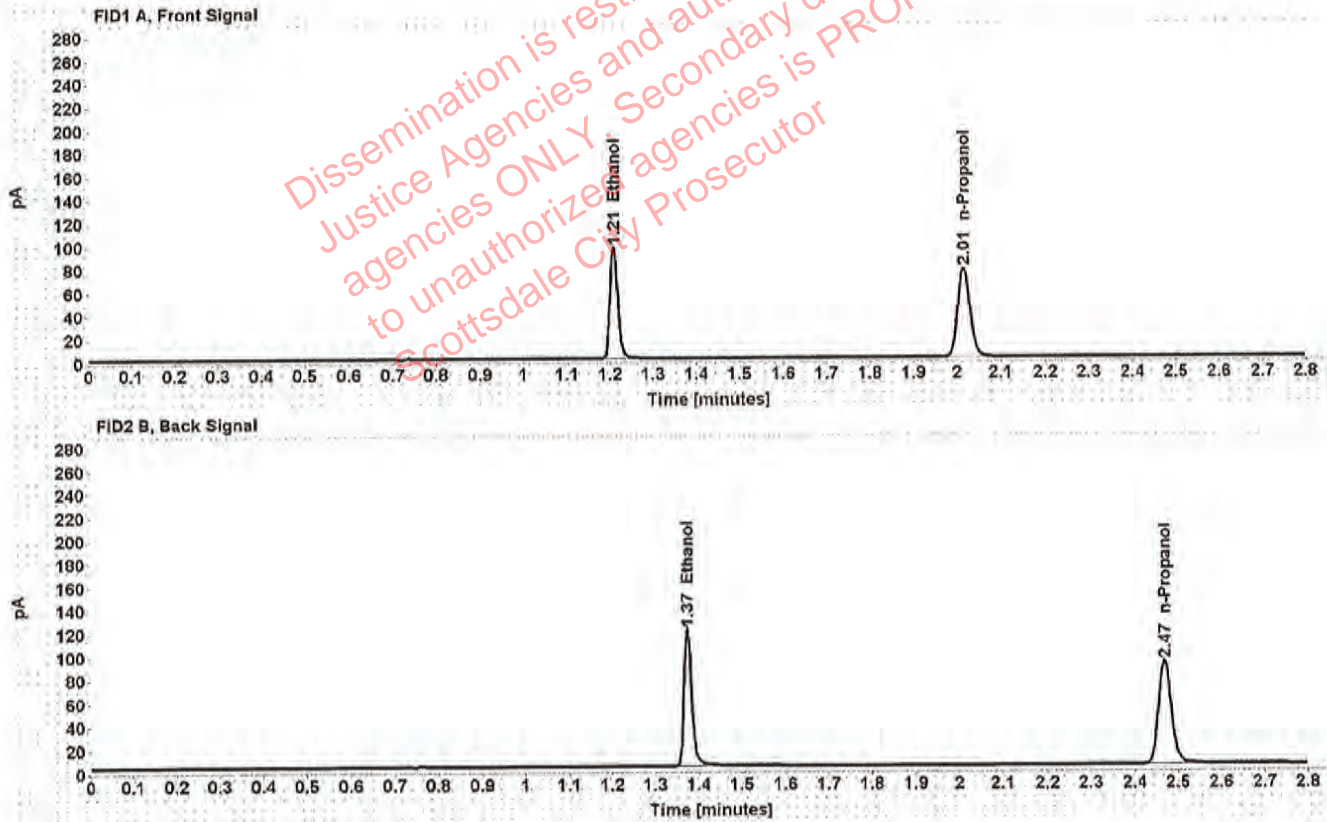


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	123.138
n-Propanol	2.015	153.728

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

Compound	Time (min)	Peak Area
Ethanol	1.375	150.888
n-Propanol	2.469	183.463

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05131606	Vial:	4
Description:	0.400 calibrator	Sequence:	02JUL19
Method:	ethanol quant.M	Injection date:	7/2/2019 3:12:26 PM
Instrument:	US14173023 CN14160045	Analyst:	Raines <i>mm</i>
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\4.D		

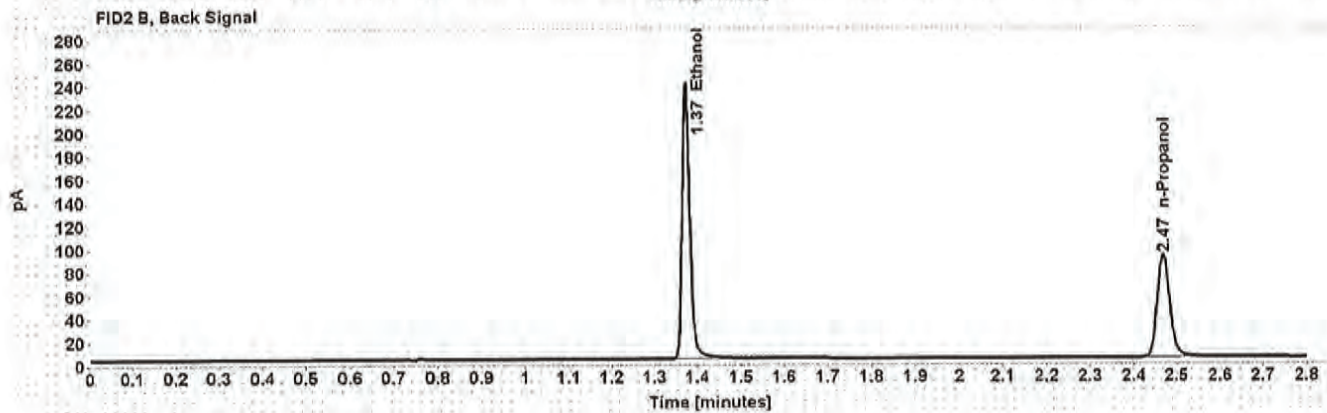
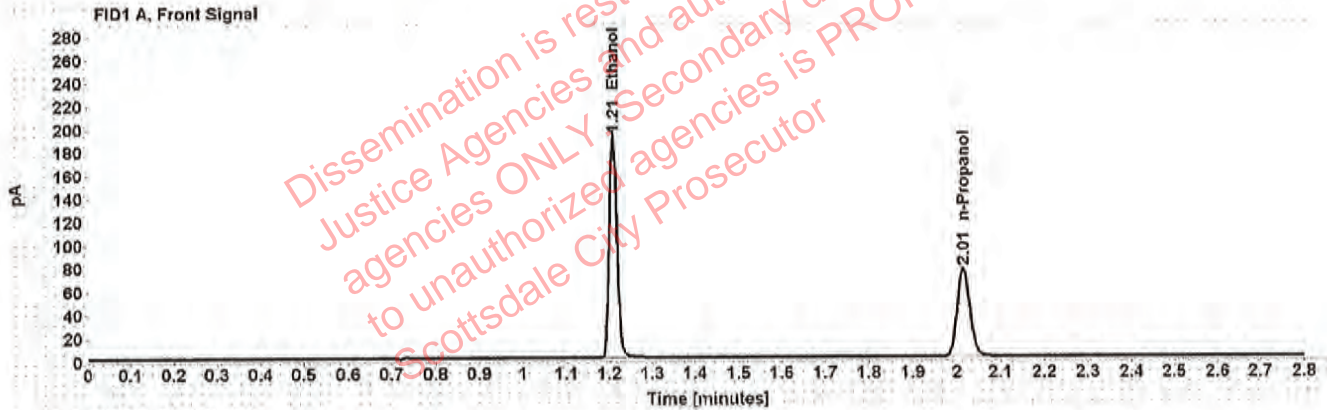


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	244.961
n-Propanol	2.015	152.201

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

Compound	Time (min)	Peak Area
Ethanol	1.374	302.029
n-Propanol	2.469	181.987

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	051619	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:16:26 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\5.D	Analyst:	Raines <i>[Signature]</i>

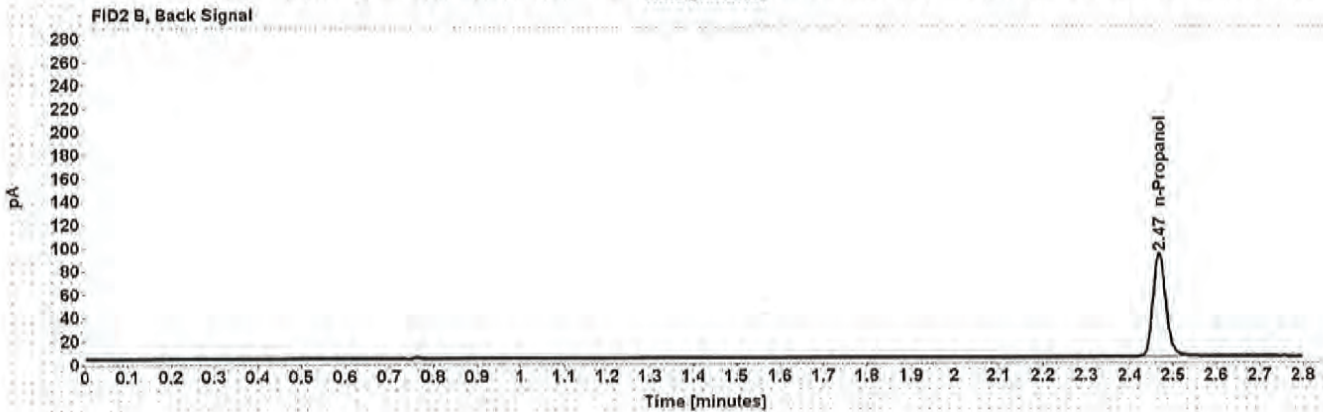
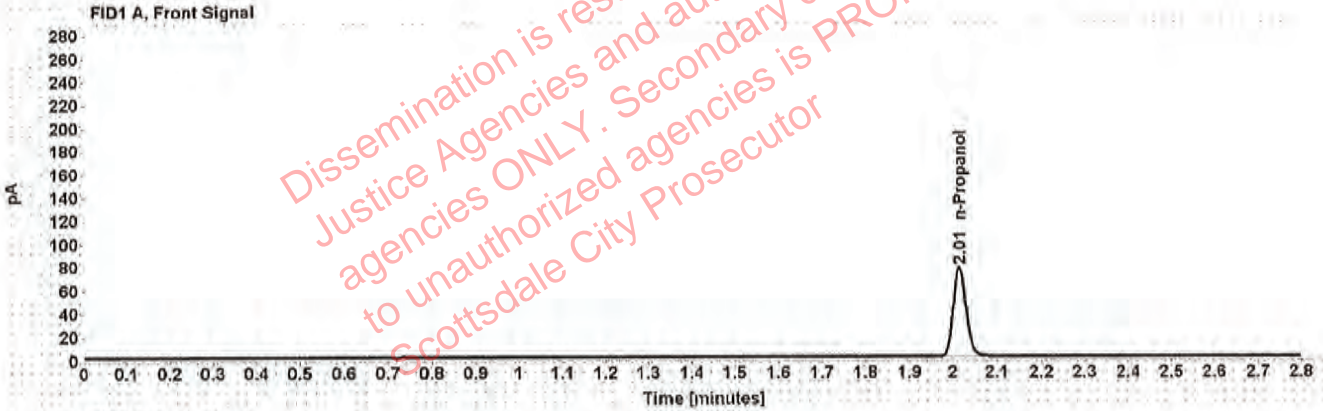


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	153.842

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	183.263

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	020917	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:20:26 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\6.D	Analyst:	Raines <i>[Signature]</i>

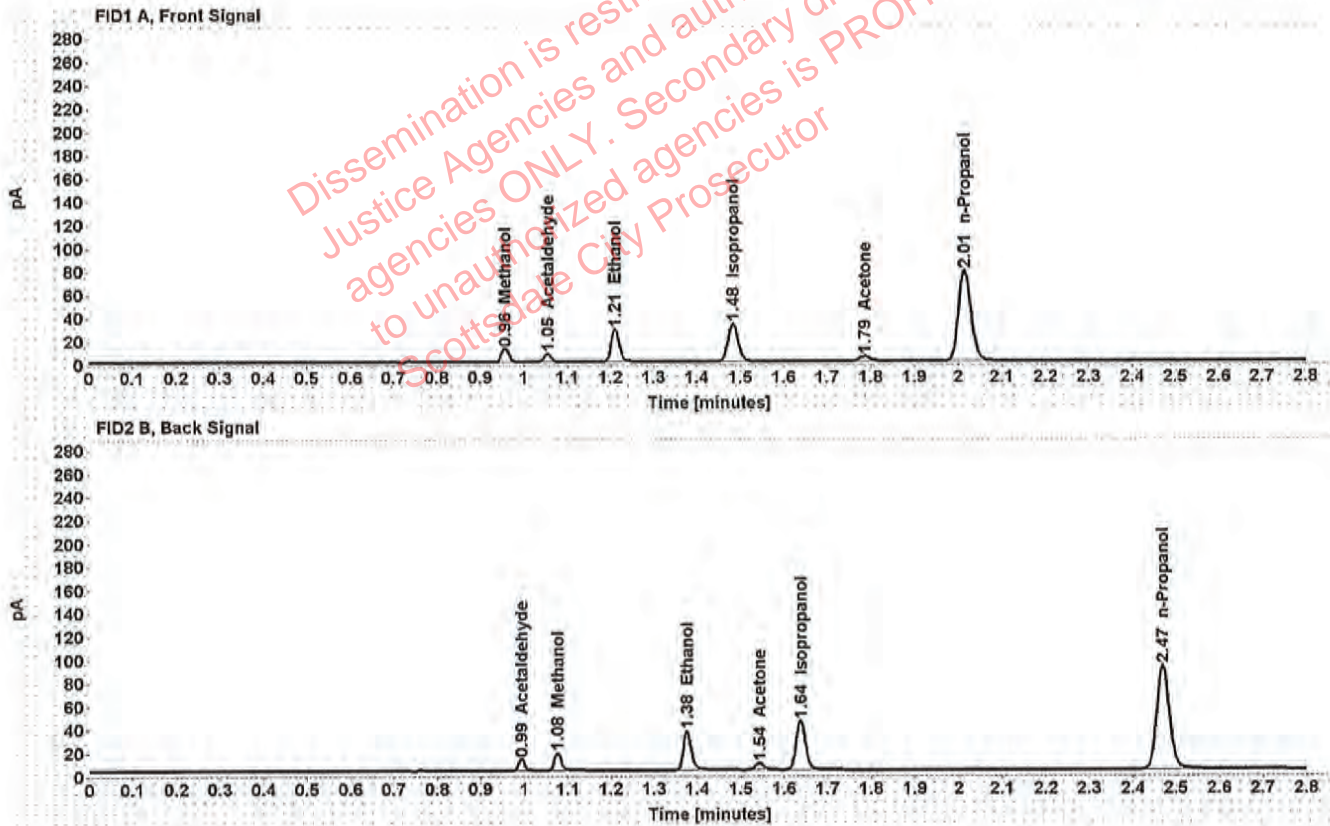


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	13.104
Acetaldehyde	-----	1.055	7.457
>Ethanol	0.0576	1.210	35.935
Isopropanol	-----	1.483	51.996
Acetone	-----	1.785	6.657
n-Propanol	-----	2.015	155.343

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	9.592
Methanol	1.077	16.536
Ethanol	1.375	43.586
Acetone	1.543	7.887
Isopropanol	1.637	64.877
n-Propanol	2.469	185.475

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 08012015-C	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 3:24:41 PM
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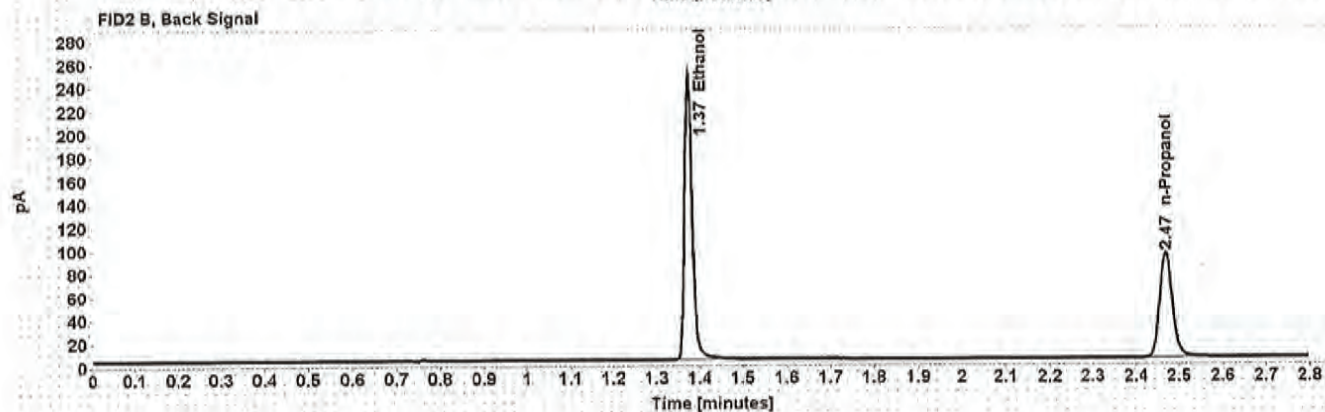
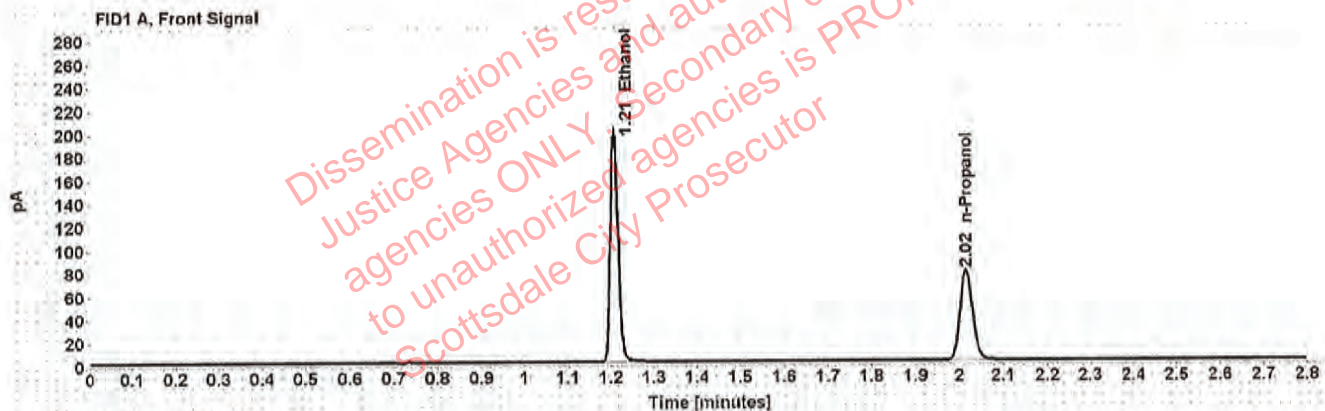


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4035	1.208	253.254
n-Propanol	-----	2.015	156.090

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

Compound	Time (min)	Peak Area
Ethanol	1.375	311.770
n-Propanol	2.469	186.545

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	09022015-A	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:28:41 PM
Data file:	C:\Chem321\1\Data\02JUL19\02JUL19\8.D	Analyst:	Raines <i>[Signature]</i>

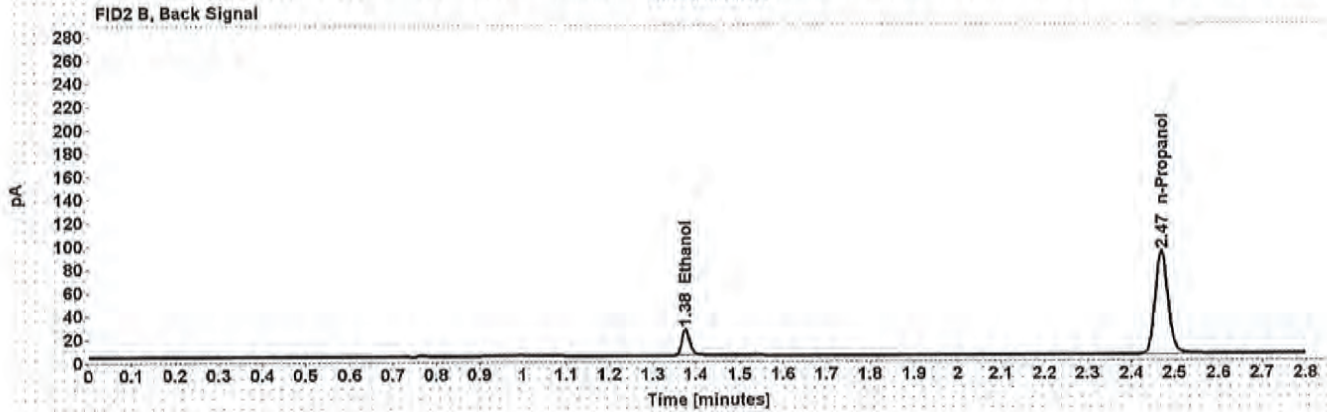
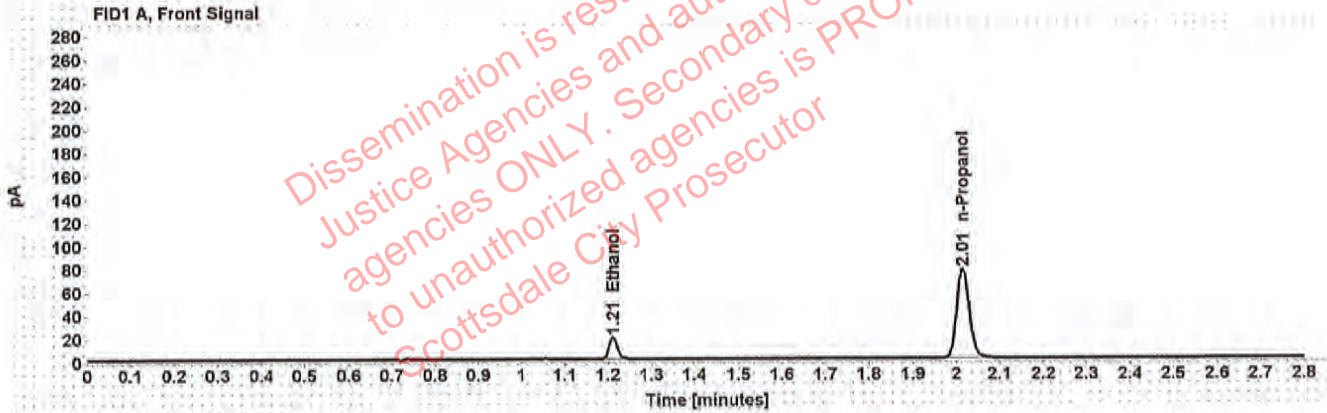


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0390	1.211	23.964
n-Propanol	-----	2.015	153.096

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

Compound	Time (min)	Peak Area
Ethanol	1.376	28.944
n-Propanol	2.469	182.803

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 3:32:40 PM
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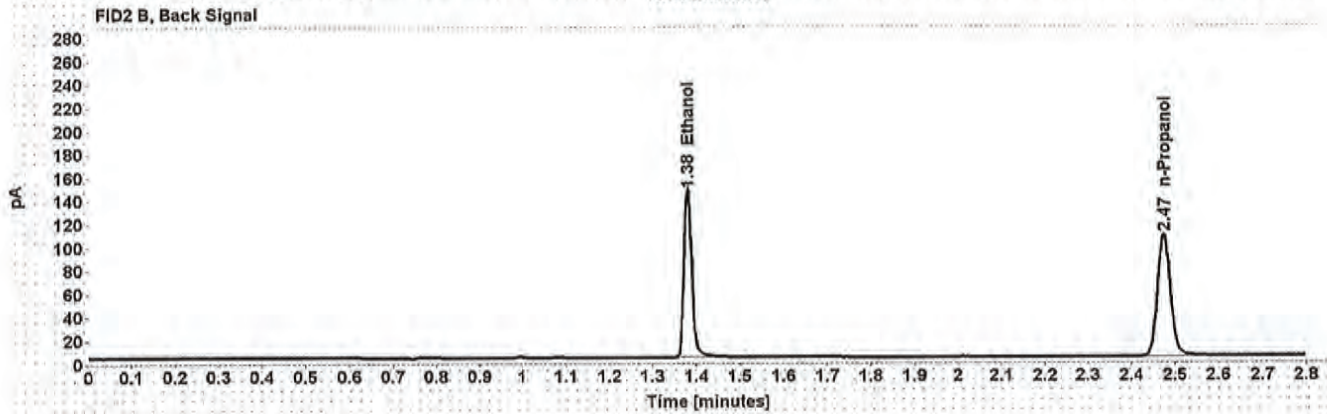
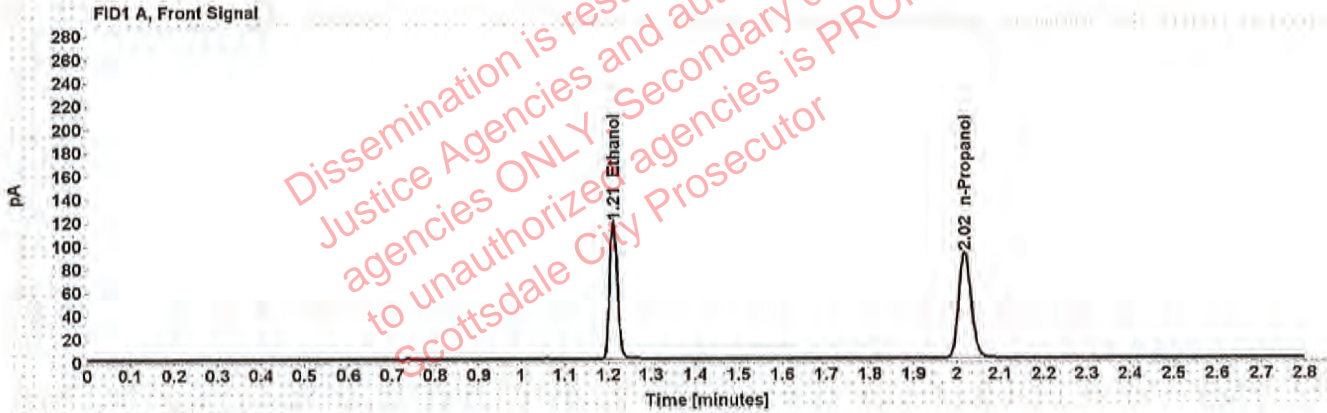


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2071	1.212	151.186
n-Propanol	-----	2.018	181.542

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

Compound	Time (min)	Peak Area
Ethanol	1.380	185.223
n-Propanol	2.474	217.347

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 28082014-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 4:17:11 PM
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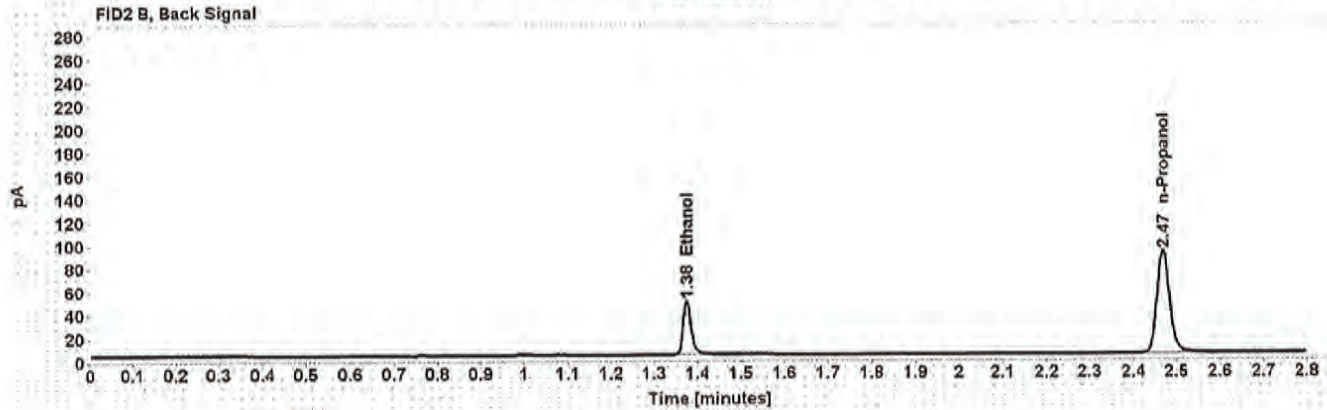
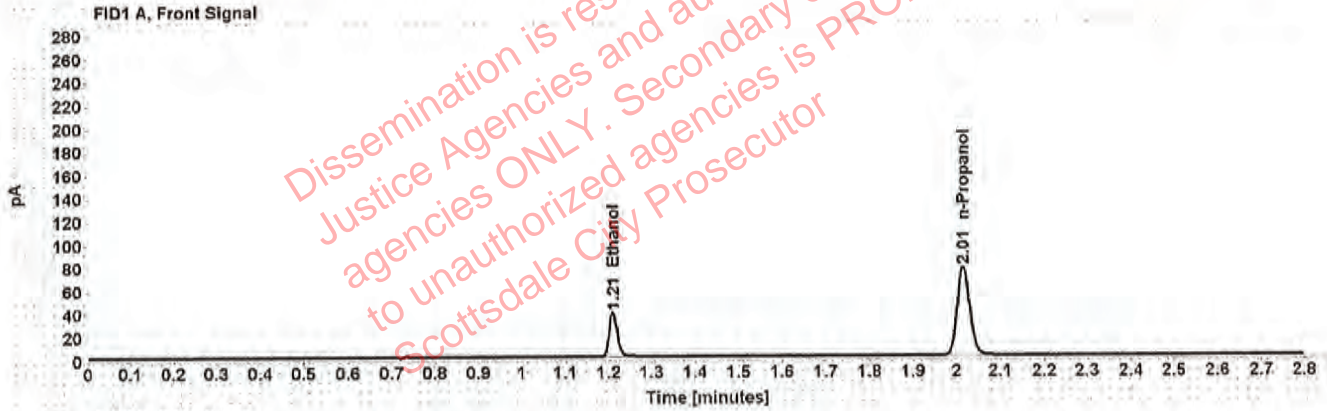


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0797	1.210	49.191
n-Propanol	-----	2.015	153.630

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

Compound	Time (min)	Peak Area
Ethanol	1.376	59.736
n-Propanol	2.469	182.948

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 5:01:41 PM
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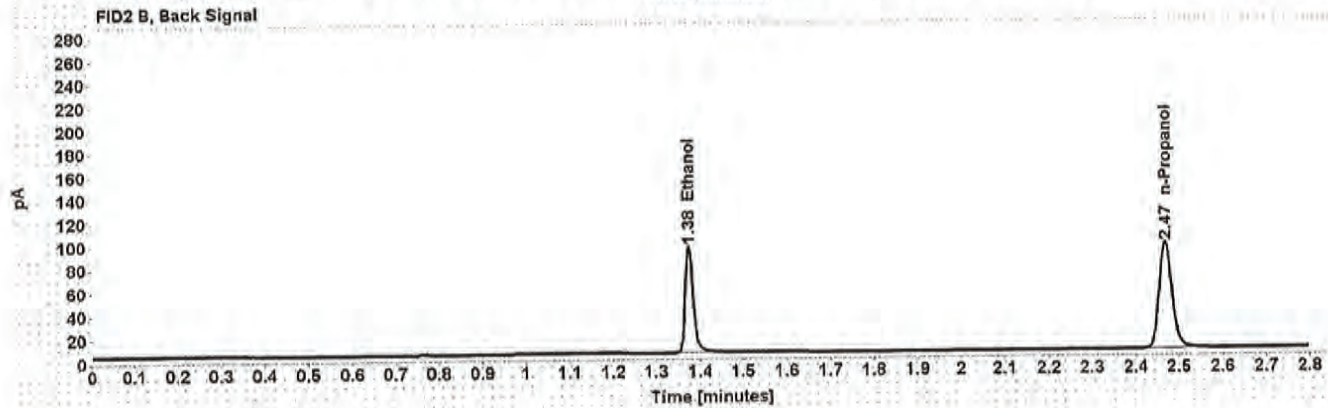
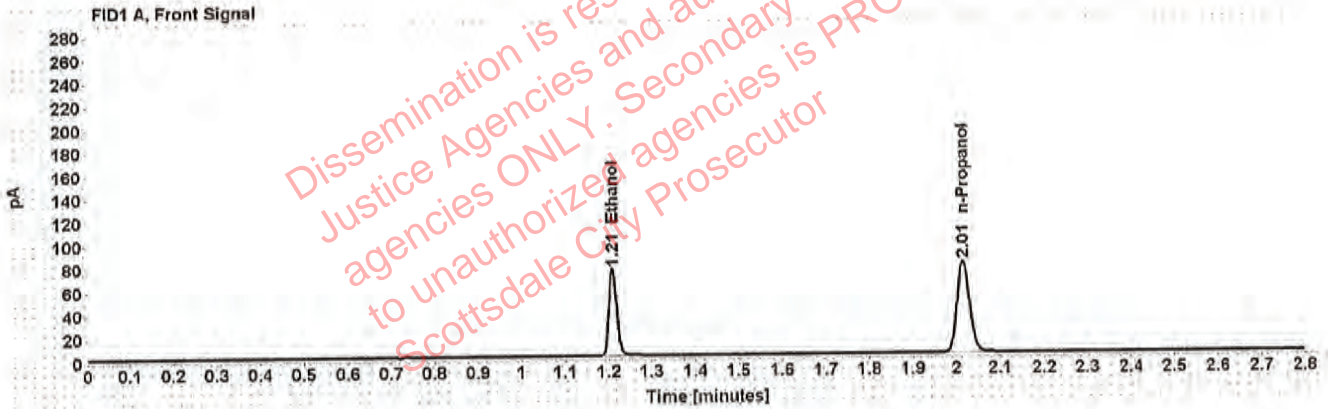


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1517	1.209	96.341
n-Propanol	-----	2.015	157.972

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

Compound	Time (min)	Peak Area
Ethanol	1.375	117.924
n-Propanol	2.469	188.705

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 42
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 5:45:56 PM
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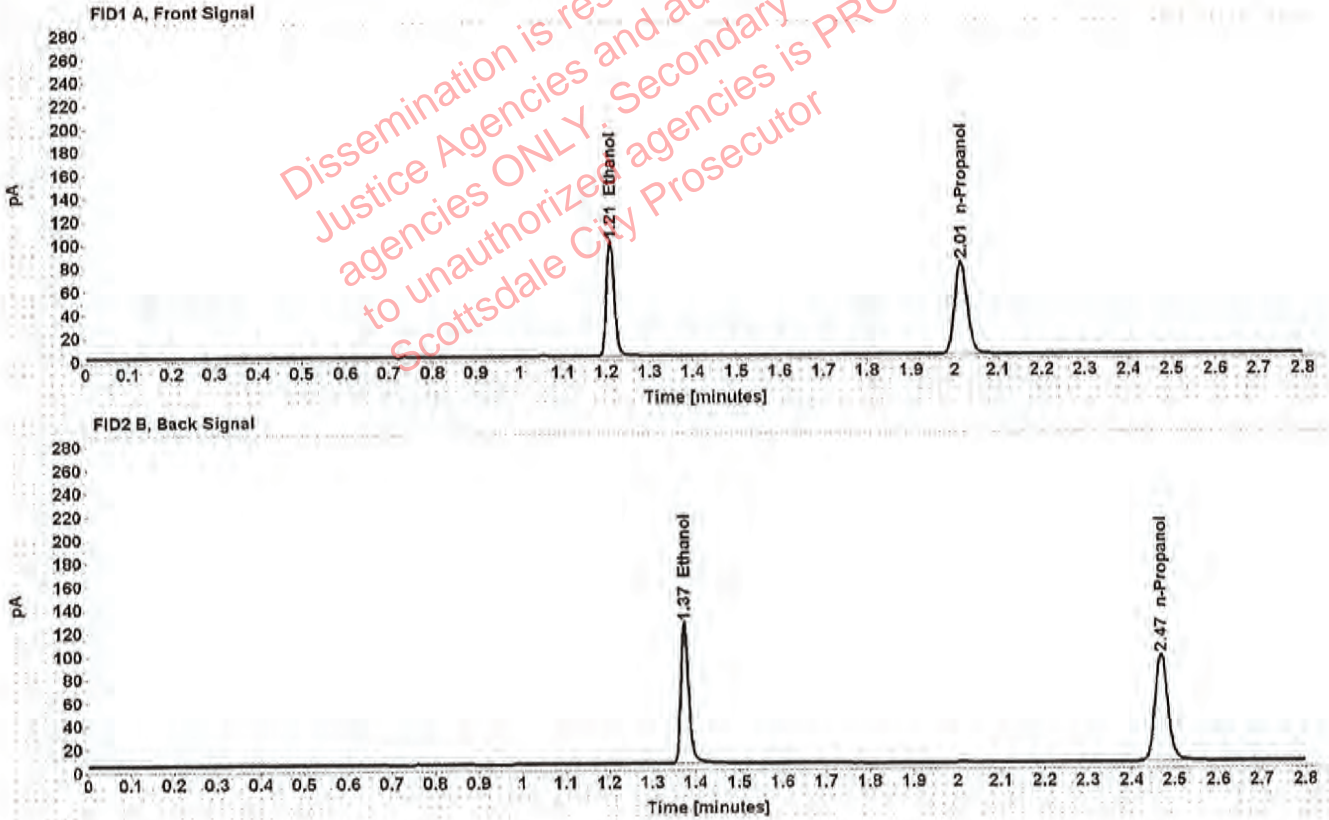


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1977	1.209	127.039
n-Propanol	-----	2.015	159.806

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

Compound	Time (min)	Peak Area
Ethanol	1.375	156.469
n-Propanol	2.469	191.726

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 08012015-C	Vial: 45
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 5:58:10 PM
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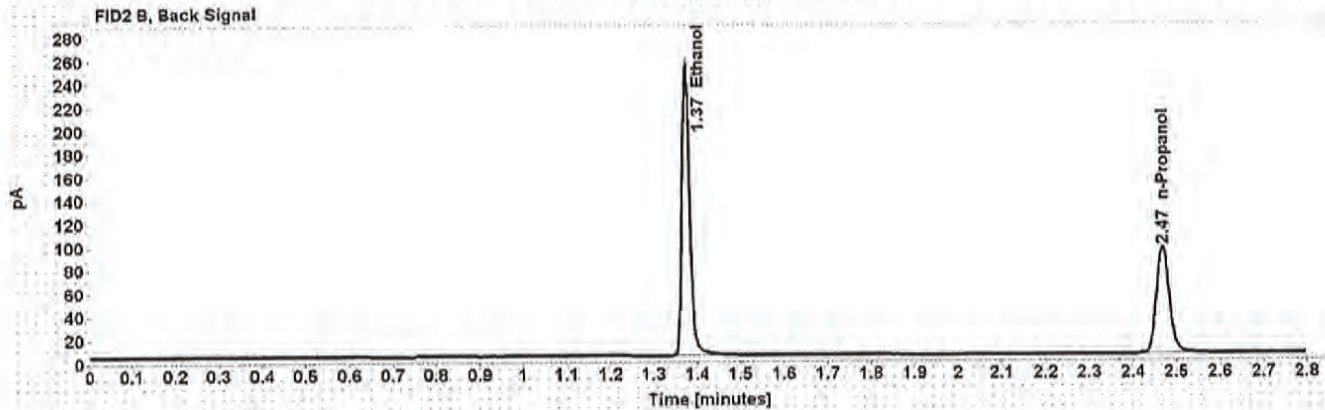
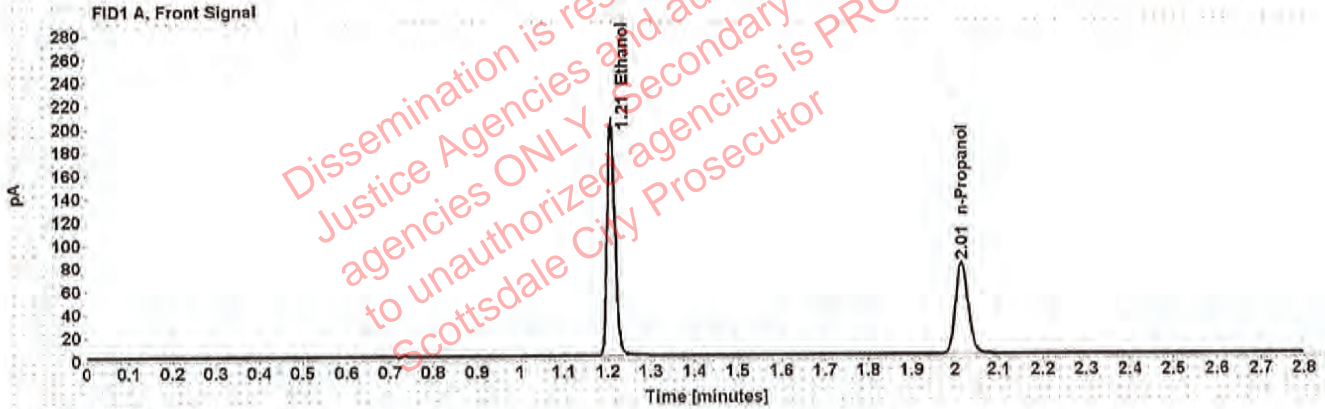


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4037	1.208	257.361
n-Propanol	-----	2.015	158.537

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

Compound	Time (min)	Peak Area
Ethanol	1.374	317.932
n-Propanol	2.469	190.320

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 46
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 6:02:11 PM
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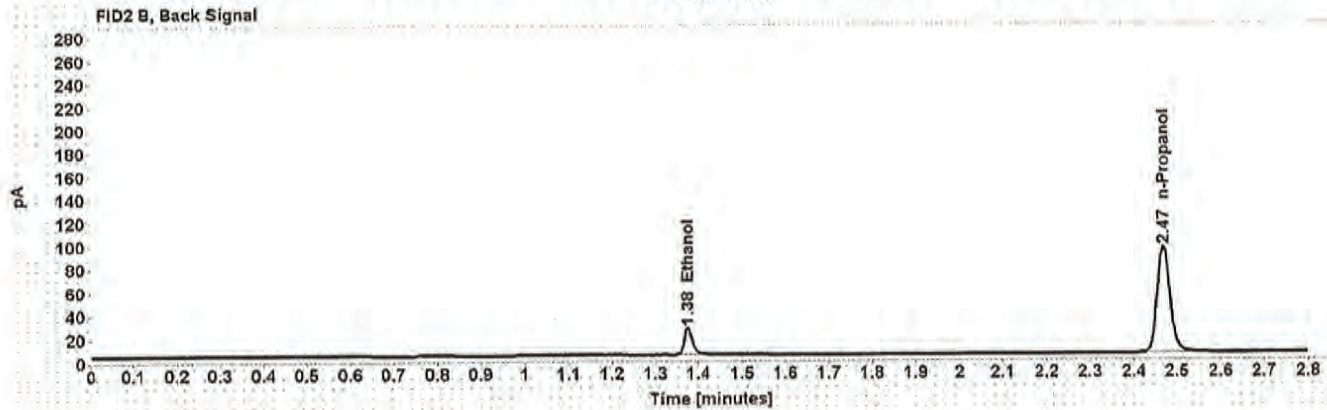
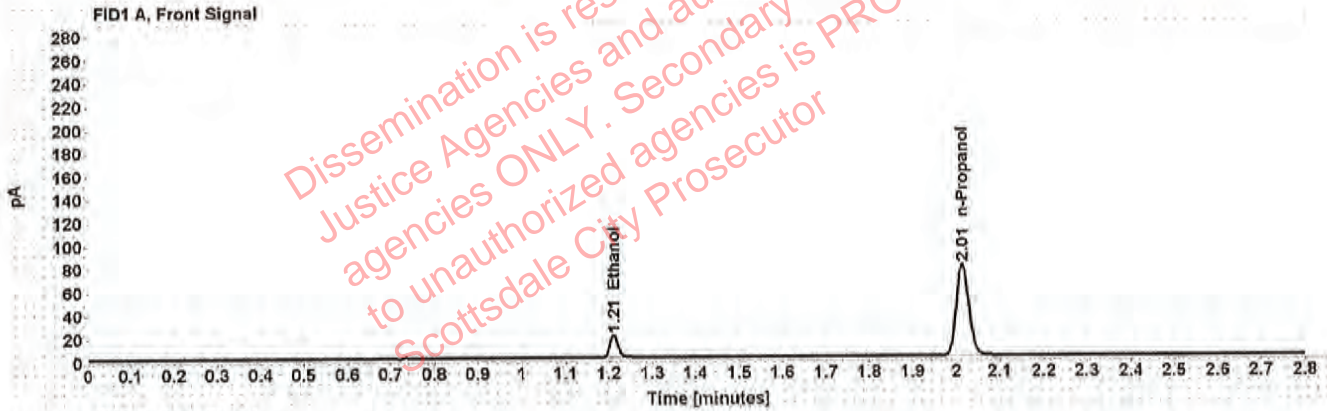


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0392	1.211	24.941
n-Propanol	-----	2.015	158.363

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

Compound	Time (min)	Peak Area
Ethanol	1.376	30.184
n-Propanol	2.469	189.277

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 47
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 6:06:11 PM
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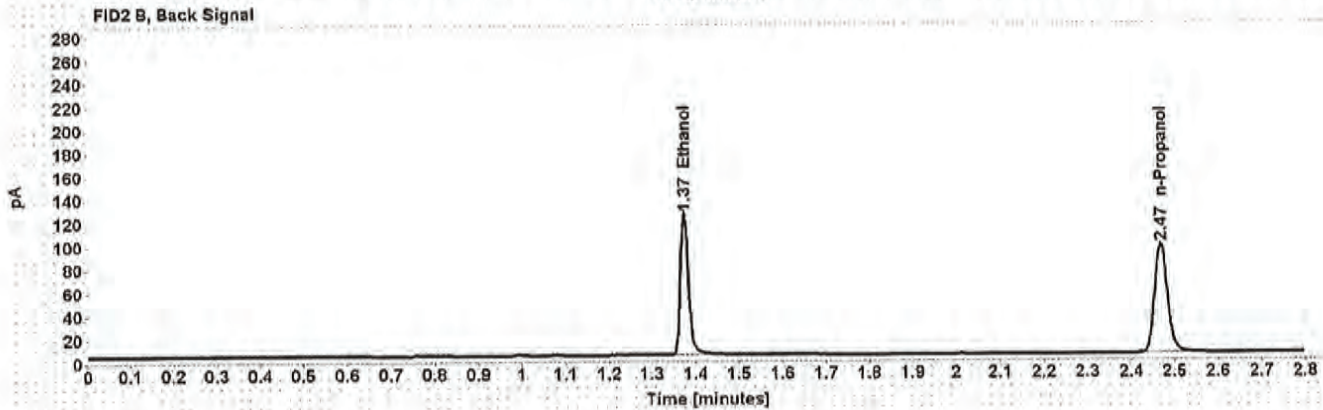
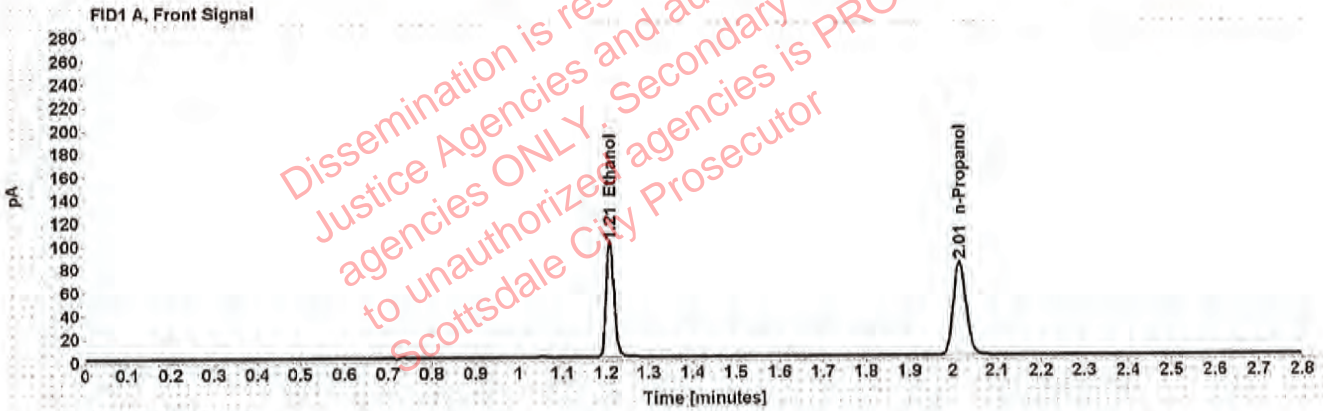


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1957	1.209	127.415
n-Propanol	-----	2.015	161.911

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

Compound	Time (min)	Peak Area
Ethanol	1.375	156.837
n-Propanol	2.469	194.429

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040919WB	Vial:	48
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14180045	Injection date:	7/2/2019 6:10:11 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19M48.D	Analyst:	Raines <i>[Signature]</i>

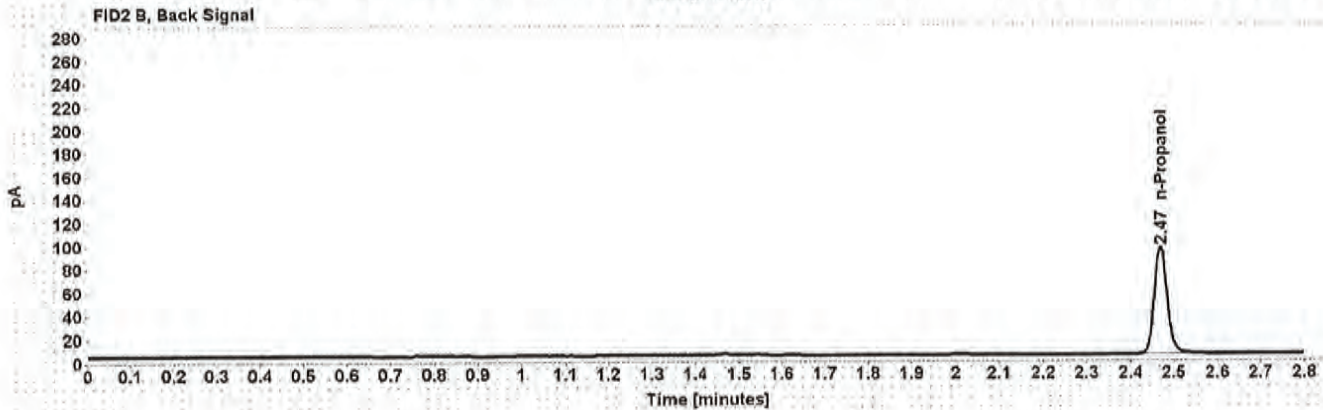
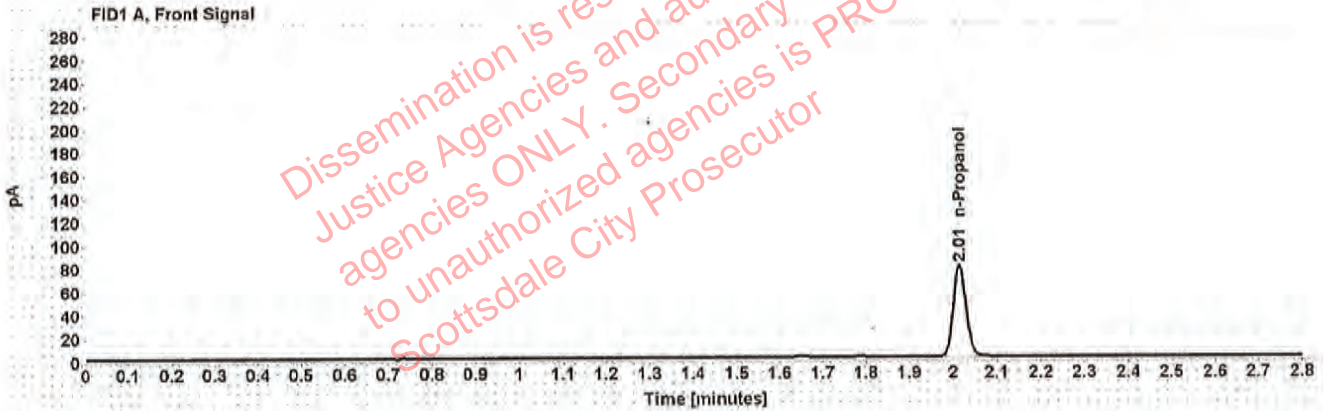


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	158.726

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	190.357

Scottsdale Forensic Lab Blood Alcohol Pipetting Log

ANALYST: Raines *MR*

SEQUENCE: 02JUL19

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1242098	1242098	1242098	Yes
Vials 12 and 13	1275341	1275341	1275341	Yes
Vials 14 and 15	1245985	1245985	1245985	Yes
Vials 16 and 17	1270636	1270636	1270636	Yes
Vials 18 and 19	1268310	1268310	1268310	Yes
Vials 21 and 22	1274021	1274021	1274021	Yes
Vials 23 and 24	1275900	1275900	1275900	Yes
Vials 25 and 26	1262637	1262637	1262637	Yes
Vials 27 and 28	1253843	1253843	1253843	Yes
Vials 29 and 30	1276873	1276873	1276873	Yes
Vials 32 and 33	1277643	1277643	1277643	Yes
Vials 34 and 35	33501RL	33501RL	33501RL	Yes
Vials 36 and 37	1278001	1278001	1278001	Yes
Vials 38 and 39	1256464	1256464	1256464	Yes
Vials 40 and 41	1263552	1263552	1263552	Yes
Vials 43 and 44	1278179	1278179	1278179	Yes

Sequence Summary

Sequence name: 02JUL19 Instrument: US14173023 CN14160045 Analyst: Raines *MR*

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	051619	Negative	Control		ethanol quant.M
6	020917	Volatiles mix	Control		ethanol quant.M
7	08012015-C	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	1242098	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
11	1242098	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
12	1275341	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
13	1275341	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
14	1245985	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
15	1245985	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
16	1270636	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
17	1270636	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
18	1268310	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
19	1268310	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
20	28082014-B	0.080	Control		ethanol quant.M
21	1274021	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
22	1274021	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
23	1275900	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
24	1275900	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
25	1262637	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
26	1262637	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
27	1253843	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
28	1253843	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
29	1276873	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
30	1276873	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
31	09022015-C	0.150	Control		ethanol quant.M
32	1277643	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
33	1277643	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
34	33501RL	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
35	33501RL	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
36	1278001	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
37	1278001	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
38	1256464	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
39	1256464	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
40	1263552	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
41	1263552	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	1278179	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
44	1278179	[REDACTED]	Sample	[REDACTED]	ethanol quant.M
45	08012015-C	0.400	Control		ethanol quant.M
46	09022015-A	0.040	Control		ethanol quant.M
47	407041529/13	0.198	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized agencies ONLY. Second-hand dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

Sequence Summary

02 Jul 19 *MM*

48	040919WB	Negative	Control		ethanol quant.M
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Dissemination is restricted to Criminal Justice Agencies and authorized NON-C.J. agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 02JUL19

ANALYST: Raines *WR*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1020	0.1041	0.10305	1.02	0.00105
12 13	0.1420	0.1467	0.14435	1.63	0.00235
14 15	0.0227	0.0226	0.02265	0.22	0.00005
16 17	0.2531	0.2522	0.25265	0.18	0.00045
18 19	0.0169	0.0168	0.01685	0.30	0.00005
21 22	0.2429	0.2413	0.24210	0.33	0.00080
23 24	0.1948	0.1951	0.19495	0.08	0.00015
25 26	0.2610	0.2601	0.26055	0.17	0.00045
27 28	0.1006	0.1002	0.10040	0.20	0.00020
29 30	0.0622	0.0636	0.06290	1.11	0.00070
32 33	0.1629	0.1617	0.16230	0.37	0.00060
34 35	0.1484	0.1494	0.14890	0.34	0.00050
36 37	0.1888	0.1906	0.18970	0.47	0.00090
38 39	0.1622	0.1615	0.16185	0.22	0.00035
40 41	0.1658	0.1649	0.16535	0.27	0.00045
43 44	0.1609	0.1612	0.16105	0.09	0.00015

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1242098	Vial: 10
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 02JUL19
Instrument: US14173023 CN14160045	Injection date: 7/2/2019 3:36:41 PM
Data file: C:\Chem32\1\Data\02JUL19\02JUL19\10.D	Analyst: Raines

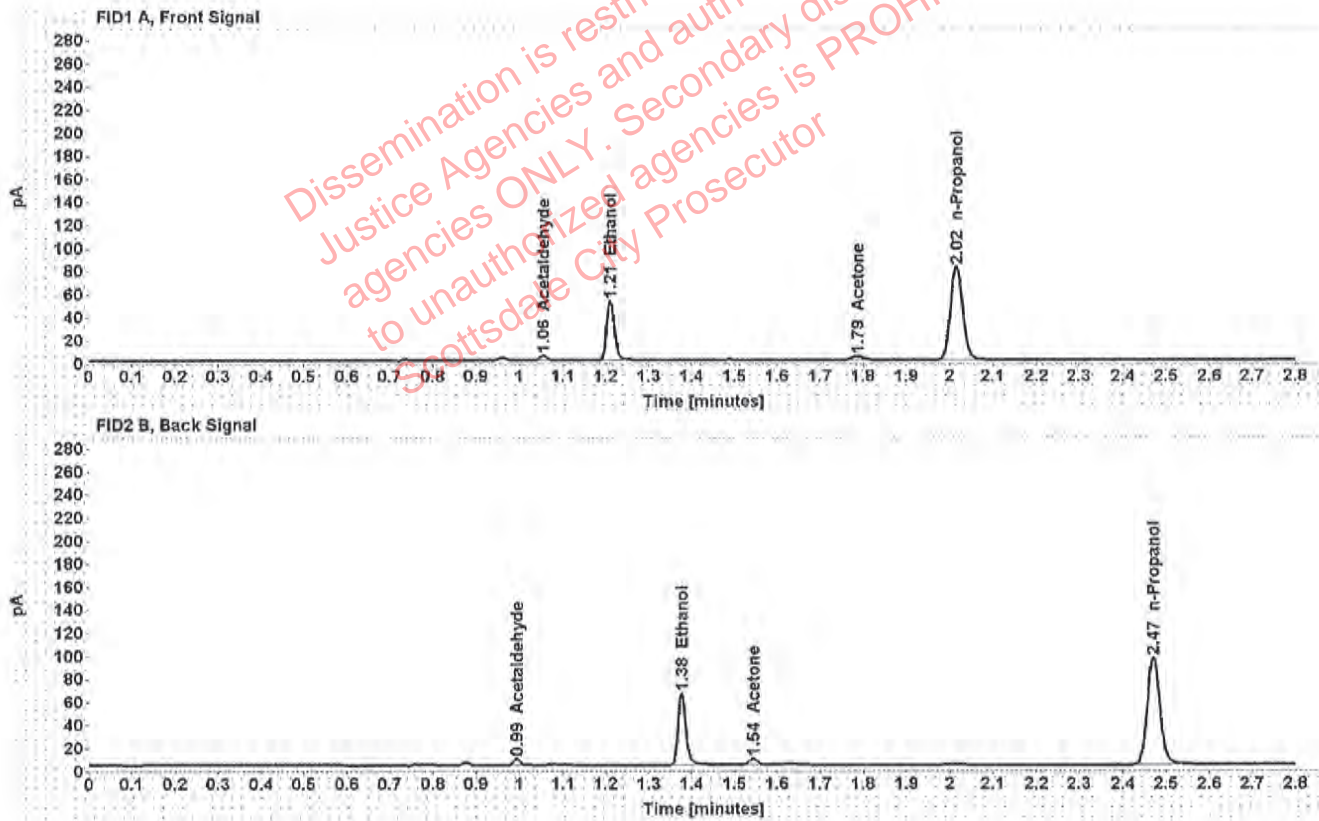


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.193
>Ethanol	0.1020	1.210	66.375
Acetone	-----	1.786	6.238
n-Propanol	-----	2.016	161.872

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.486
Ethanol	1.376	80.452
Acetone	1.544	7.365
n-Propanol	2.470	193.824

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1242098	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:40:41 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\11.D	Analyst:	Raines

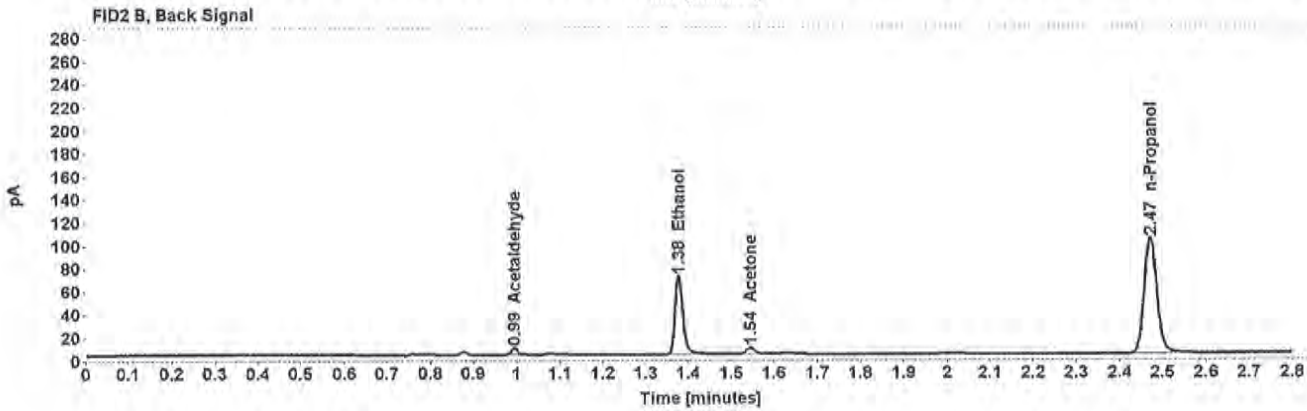
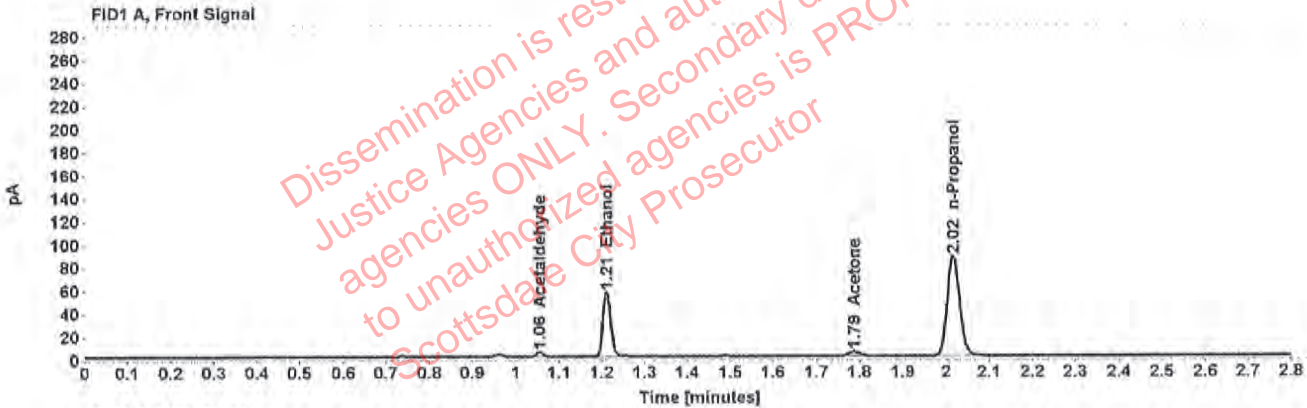


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.374
>Ethanol	0.1041	1.211	72.638
Acetone	-----	1.787	6.517
n-Propanol	-----	2.016	173.661

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.663
Ethanol	1.377	87.992
Acetone	1.544	7.649
n-Propanol	2.471	207.969

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1275341	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:44:40 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\12.D	Analyst:	Raines

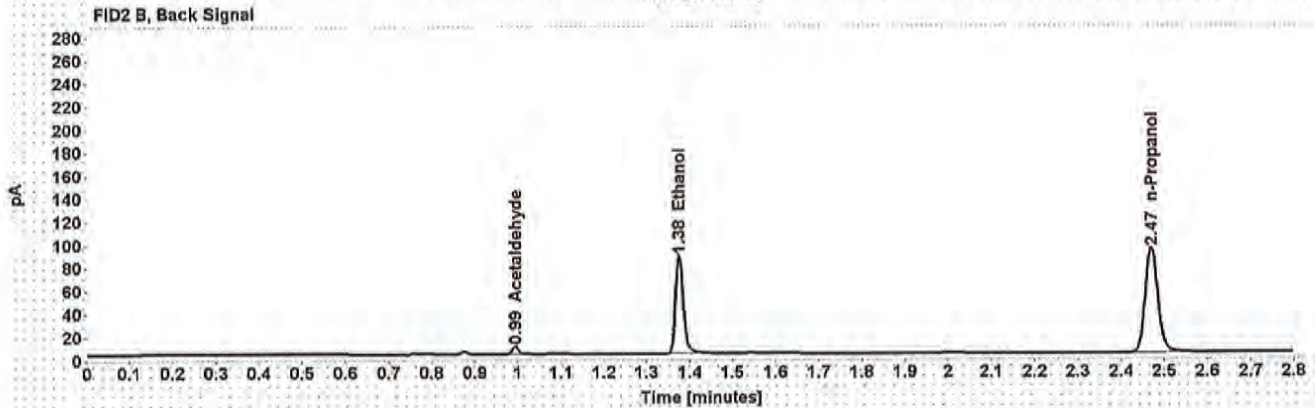
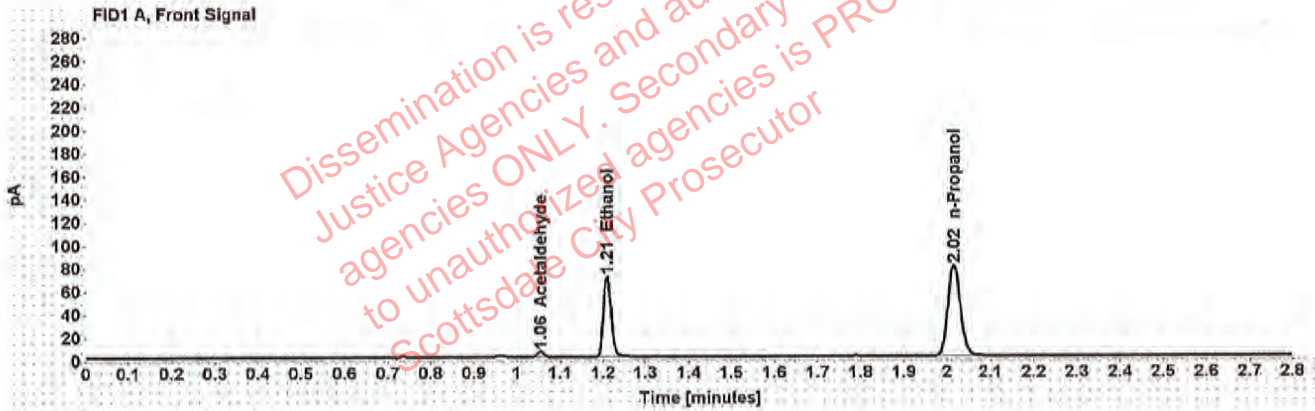


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.966
>Ethanol	0.1420	1.210	89.985
n-Propanol	-----	2.015	157.658

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	6.448
Ethanol	1.375	109.272
n-Propanol	2.470	188.165

[REDACTED]: Raines, Melinda E. - (03-Jul-2019)

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1275341	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:48:55 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\13.D	Analyst:	Raines

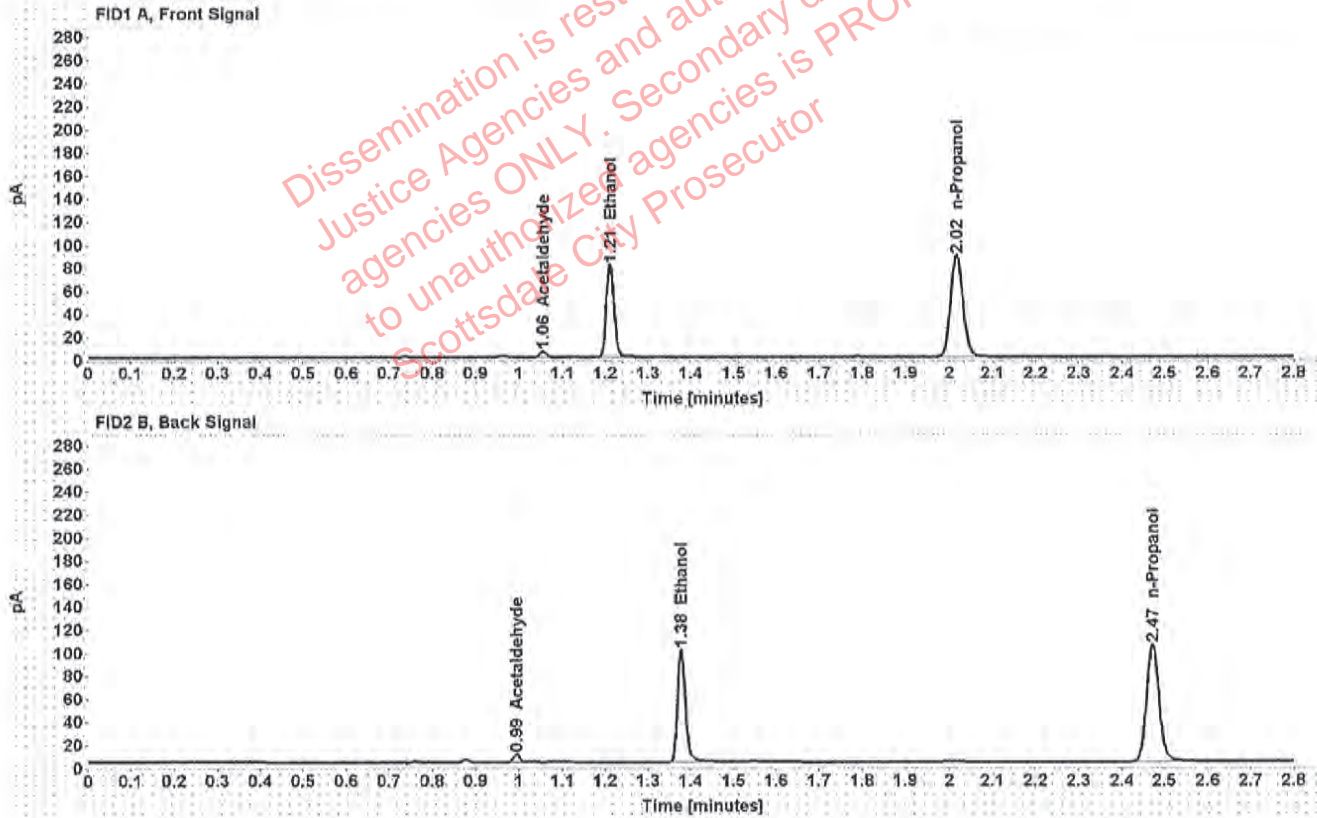


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	5.234
>Ethanol	0.1467	1.211	103.978
n-Propanol	-----	2.016	176.298

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.995	6.782
Ethanol	1.378	126.690
n-Propanol	2.472	210.745

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1245985	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	Standard Solution	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:52:56 PM
Data file:	C:\Chem32\11Data\02JUL19\02JUL19\14.D	Analyst:	Raines

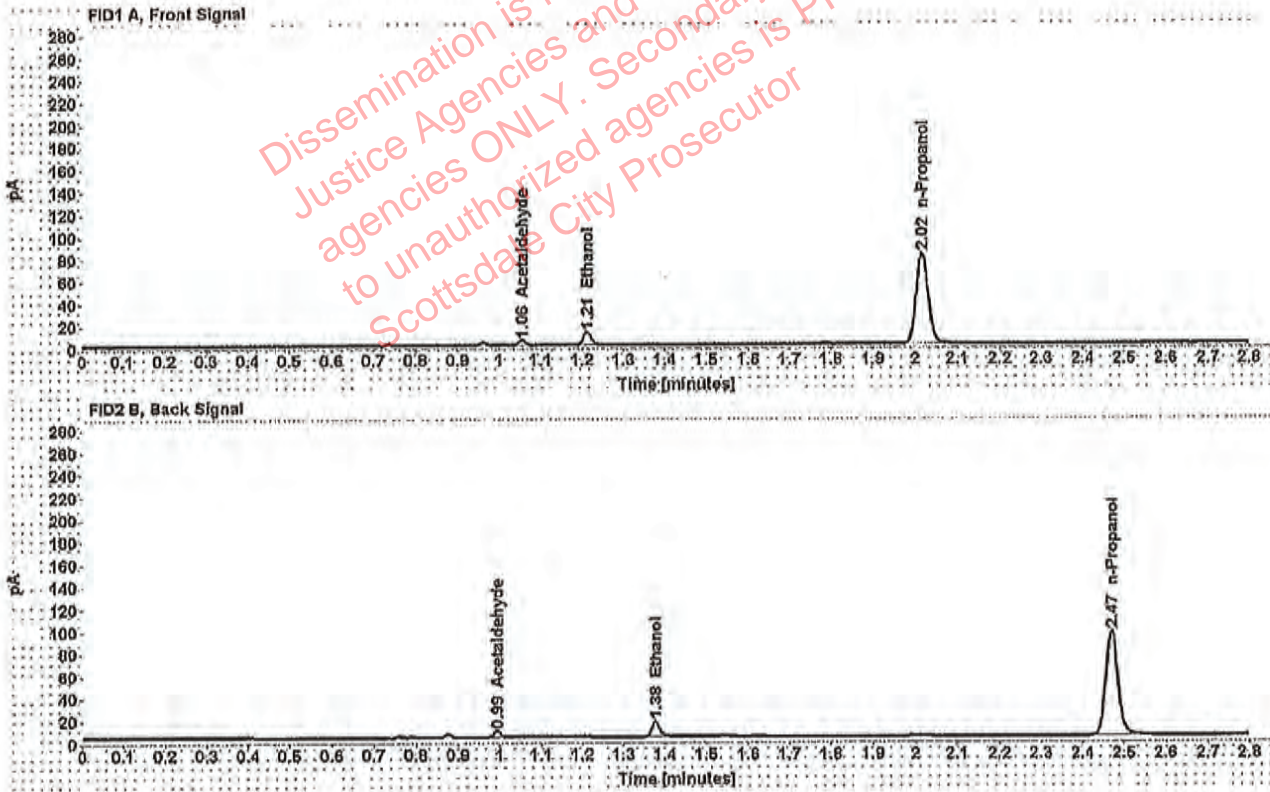


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.449
>Ethanol	0.0227	1.212	14.848
n-Propanol	-----	2.015	162.914

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.815
Ethanol	1.377	18.369
n-Propanol	2.470	194.763

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1245096	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 3:56:56 PM
Data file:	C:\Chem32\11Data\02JUL19\02JUL19\15.D	Analyst:	Raines

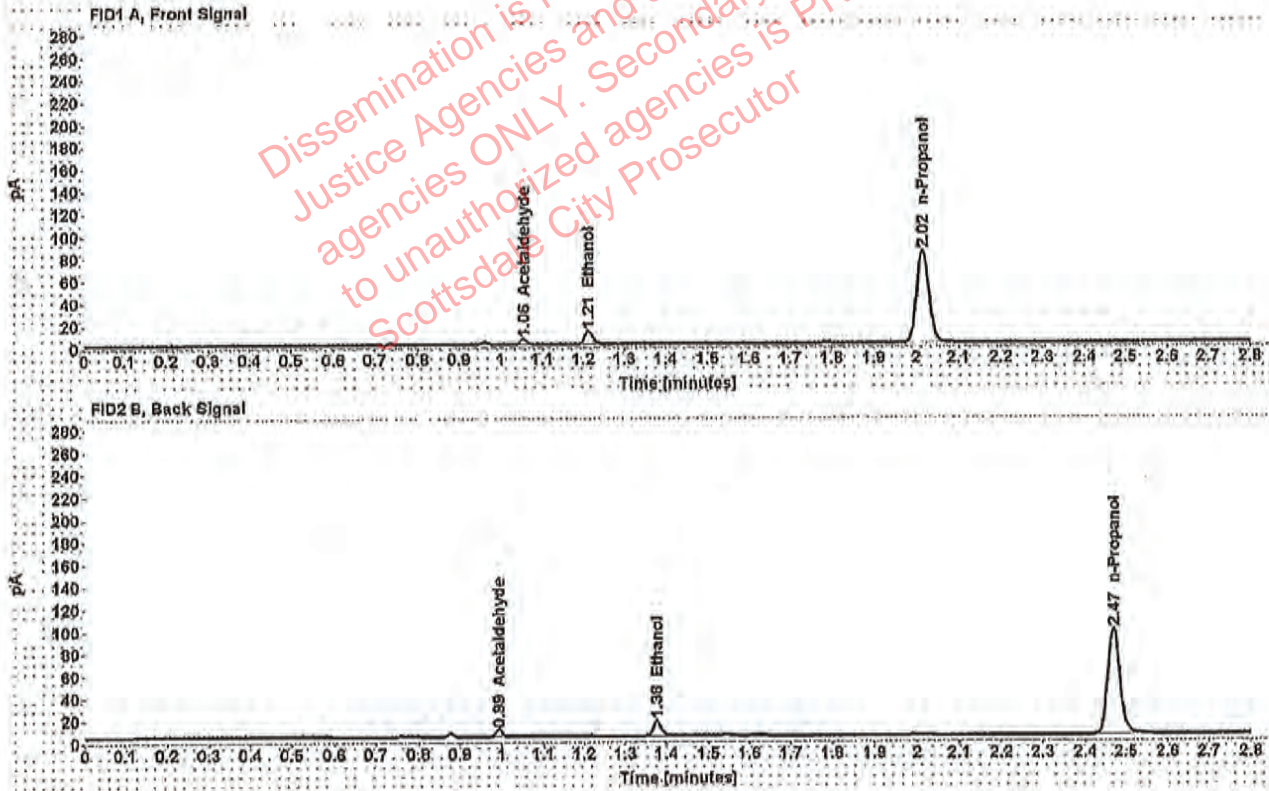


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.598
>Ethanol	0.0226	1.212	14.909
n-Propanol	-----	2.015	164.625

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	6.016
Ethanol	1.377	18.858
n-Propanol	2.470	196.758

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1270636	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:00:56 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\16.D	Analyst:	Raines

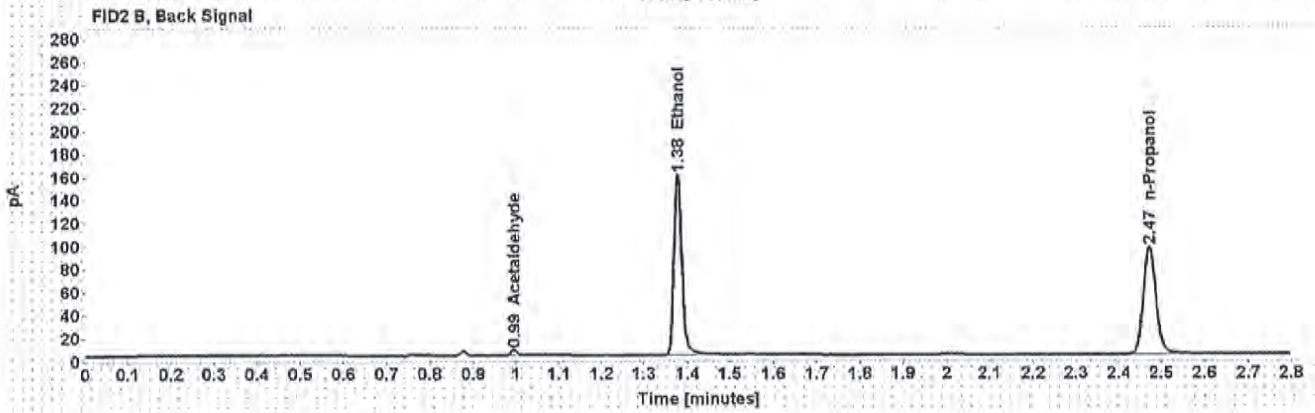
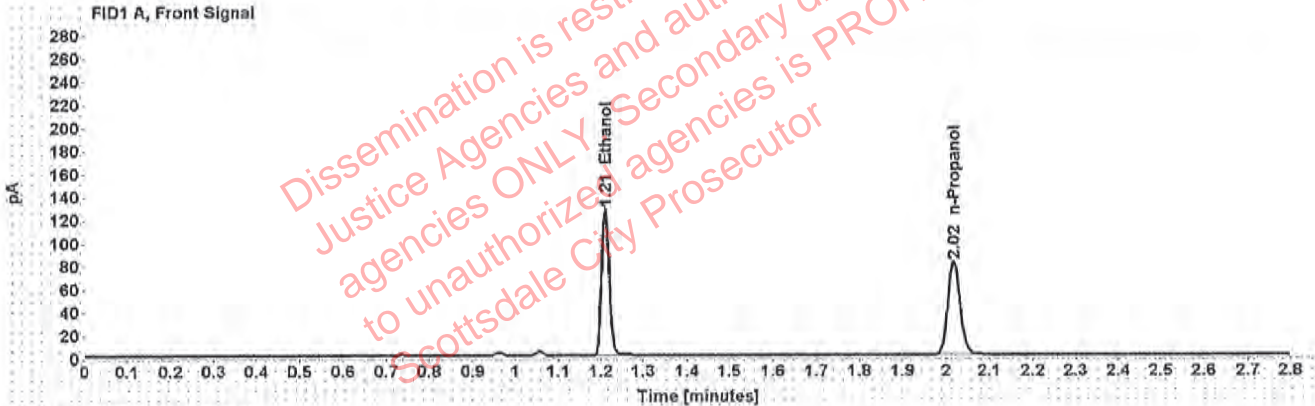


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2531	1.210	163.907
n-Propanol	-----	2.017	161.053

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.995	4.713
Ethanol	1.377	200.988
n-Propanol	2.472	192.964

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1270636	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:04:56 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\17.D	Analyst:	Raines

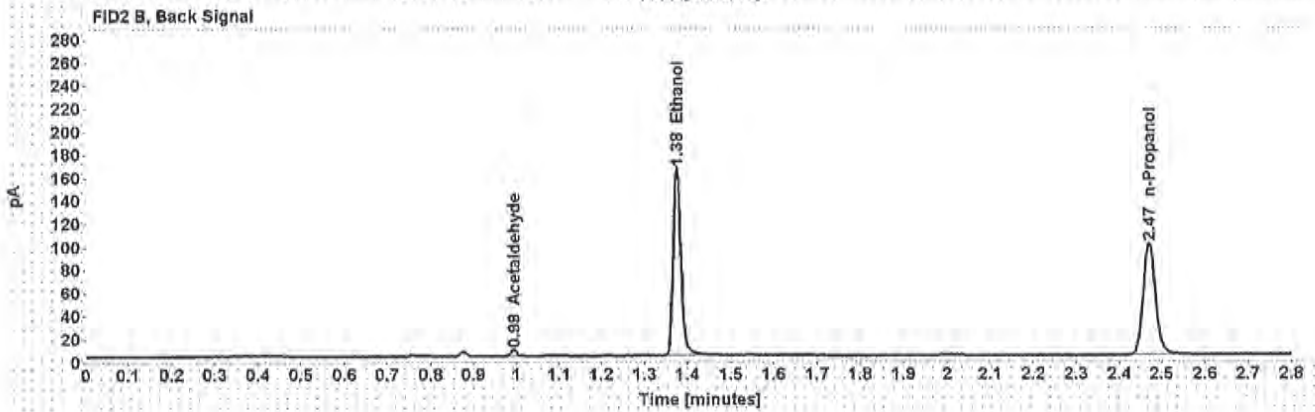
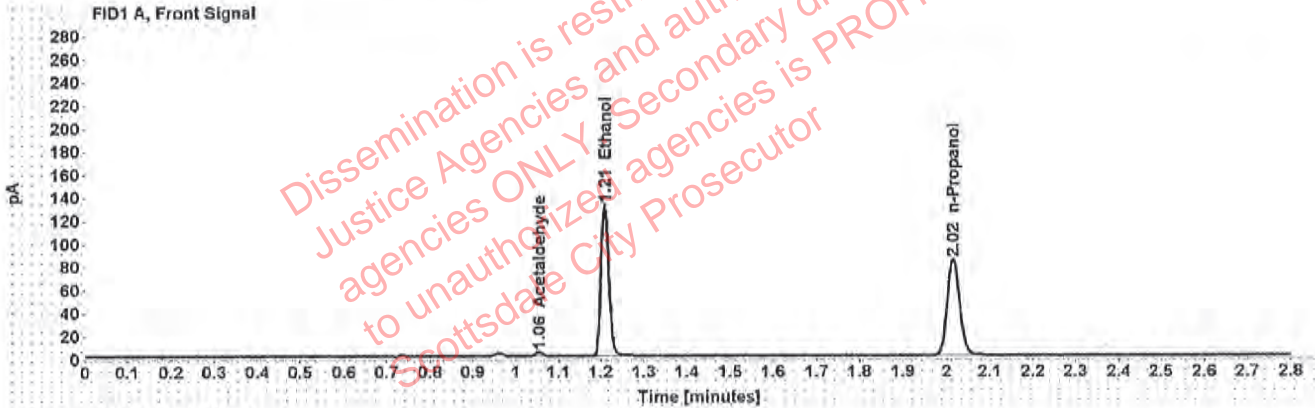


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.764
>Ethanol	0.2522	1.209	169.549
n-Propanol	-----	2.015	167.210

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.931
Ethanol	1.376	209.613
n-Propanol	2.470	200.356

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1268310	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:08:55 PM
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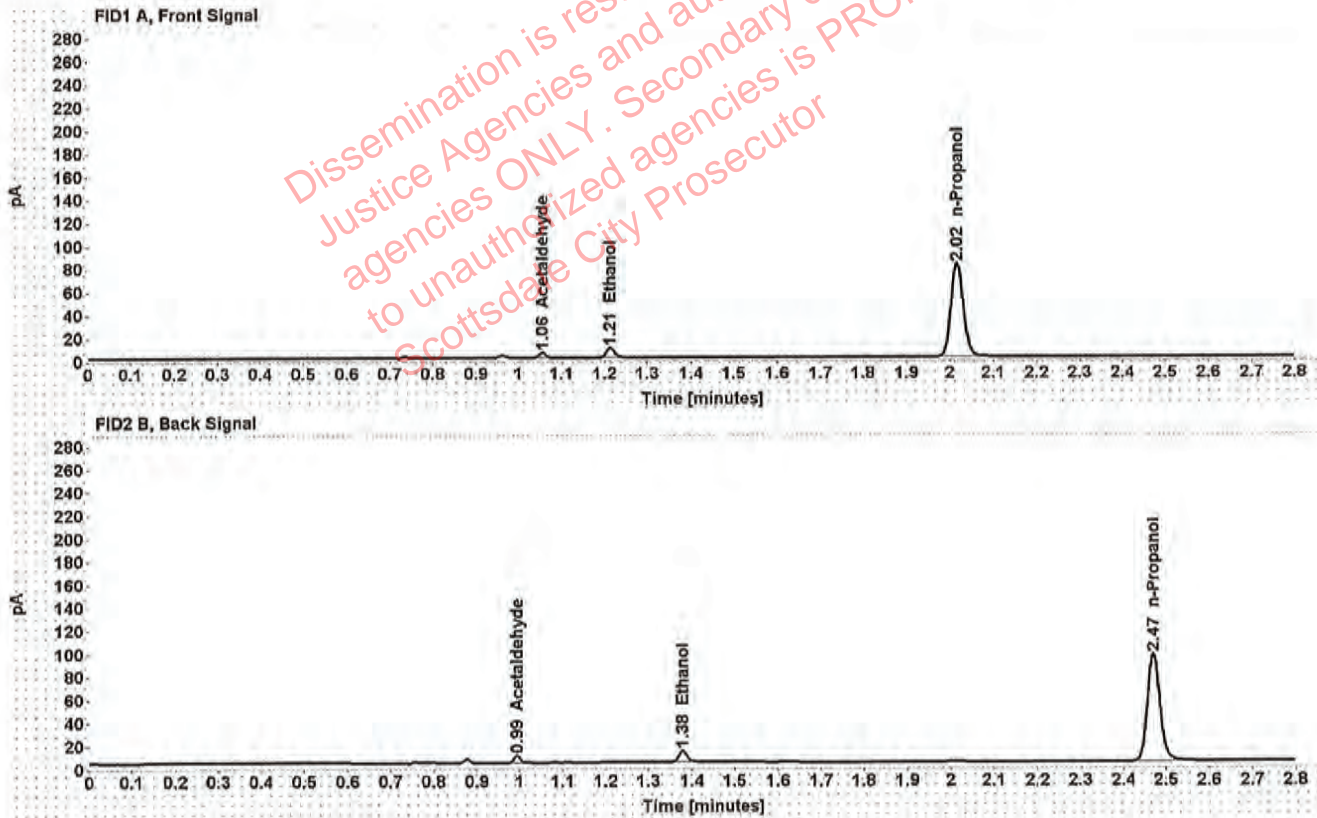


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.607
>Ethanol	0.0169	1.212	10.906
n-Propanol	-----	2.016	161.448

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.973
Ethanol	1.378	13.552
n-Propanol	2.470	192.852

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1268310	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:13:10 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\19.D	Analyst:	Raines

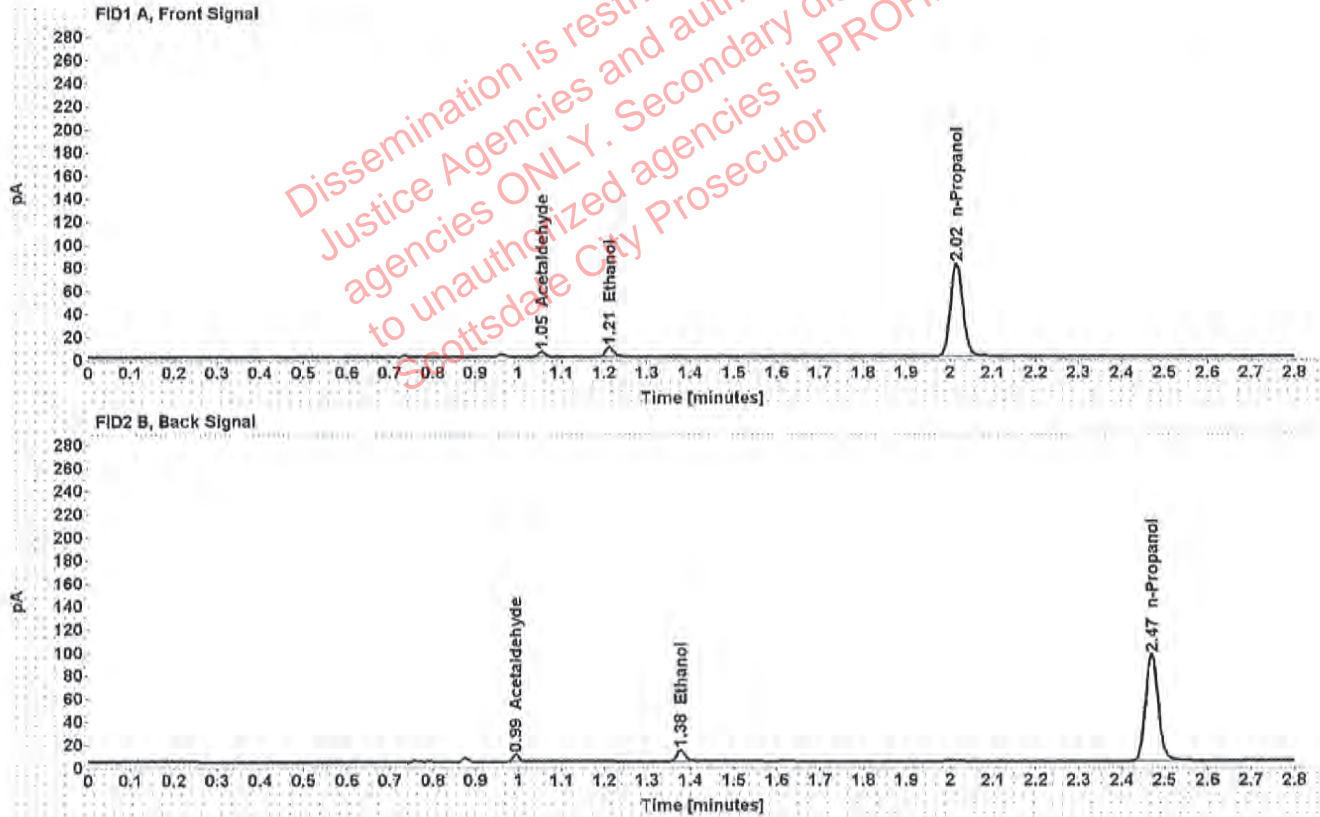


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.702
>Ethanol	0.0168	1.212	10.851
n-Propanol	-----	2.015	161.485

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.150
Ethanol	1.377	13.442
n-Propanol	2.470	192.808

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1274021	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:21:10 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\21.D	Analyst:	Raines

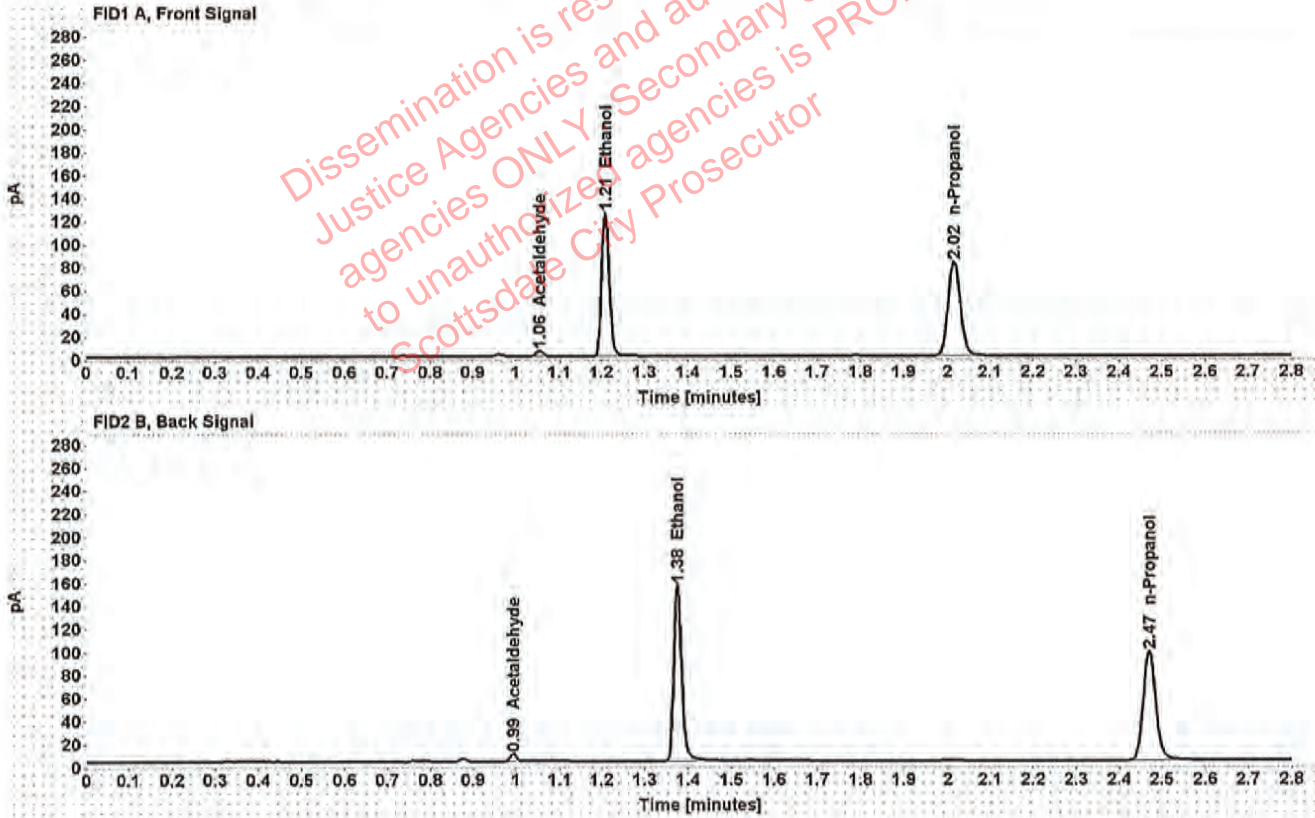


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4,908
>Ethanol	0.2429	1.209	159.744
n-Propanol	-----	2.015	163.533

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	6.383
Ethanol	1.375	195.505
n-Propanol	2.470	195.571

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1274021	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:25:11 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\22.D	Analyst:	Raines

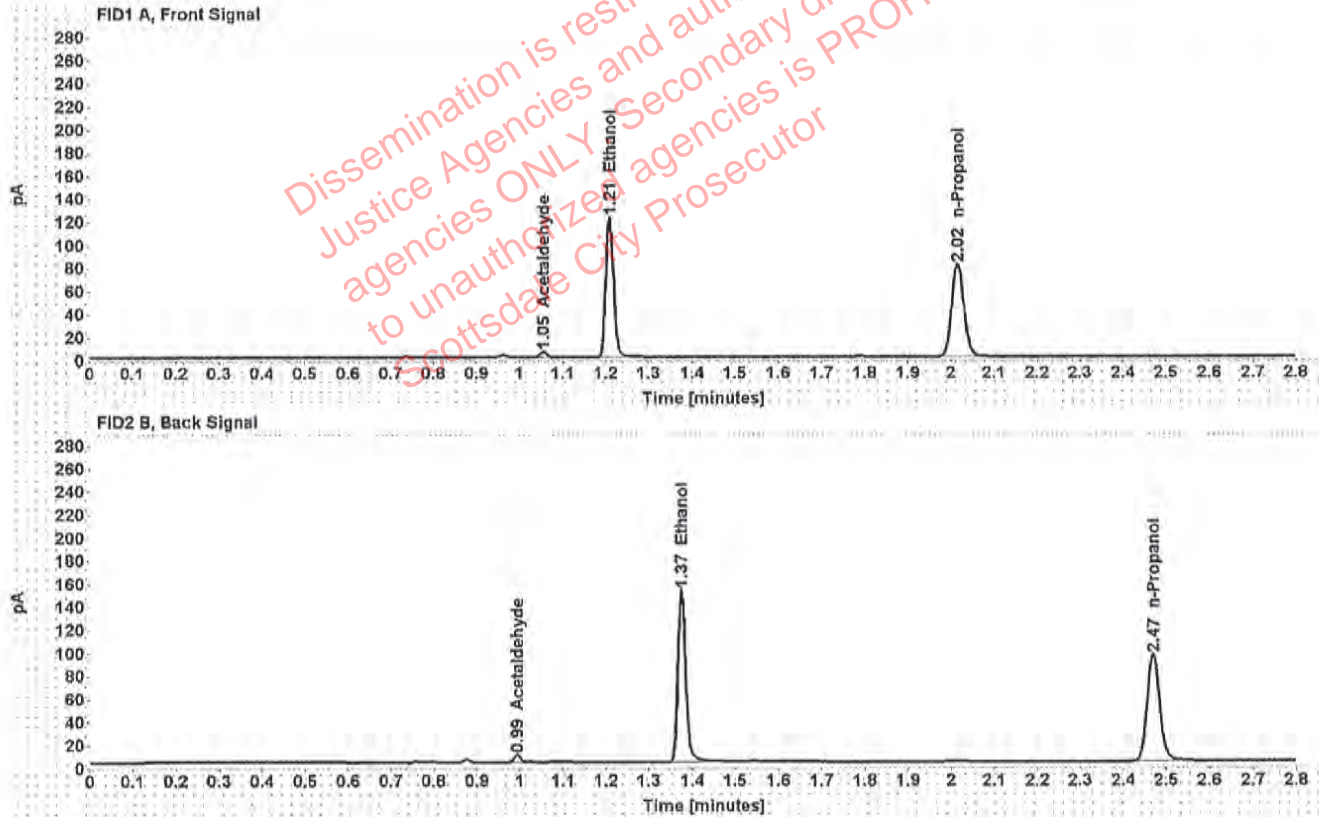


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.847
>Ethanol	0.2413	1.209	155.656
n-Propanol	-----	2.015	160.453

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.295
Ethanol	1.375	192.472
n-Propanol	2.469	191.772

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1275900	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:29:10 PM
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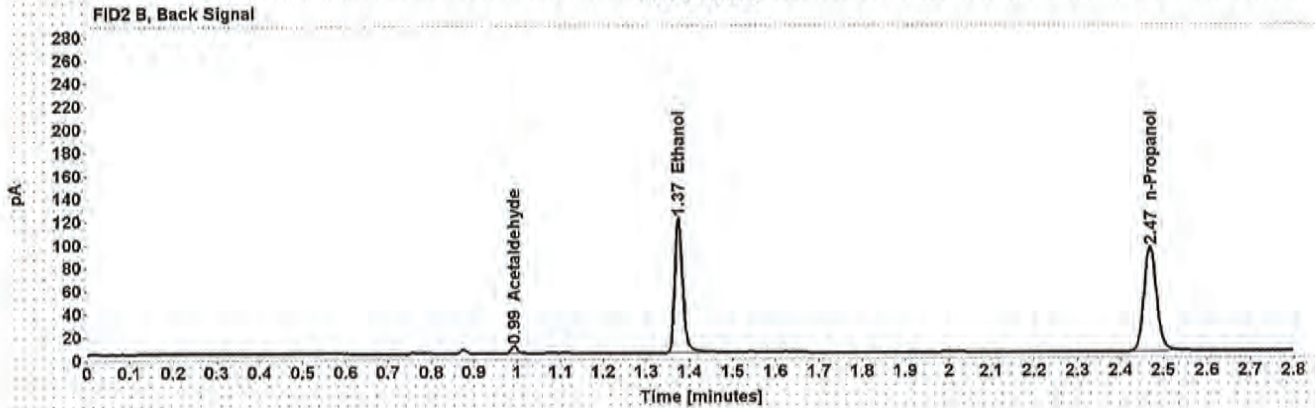
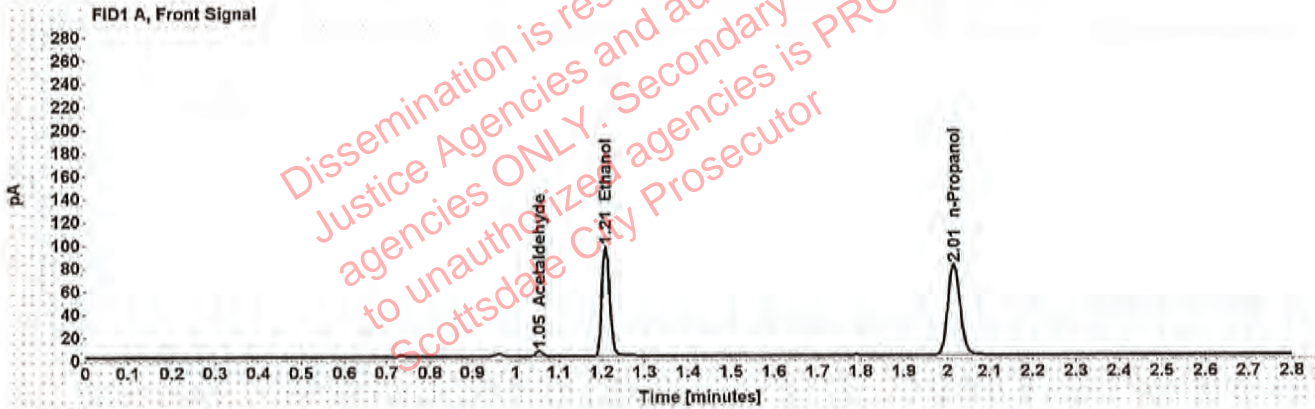


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.746
>Ethanol	0.1948	1.209	122.712
n-Propanol	-----	2.015	156.690

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.162
Ethanol	1.375	151.692
n-Propanol	2.469	187.892

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1275900	Vial:	24
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:33:11 PM
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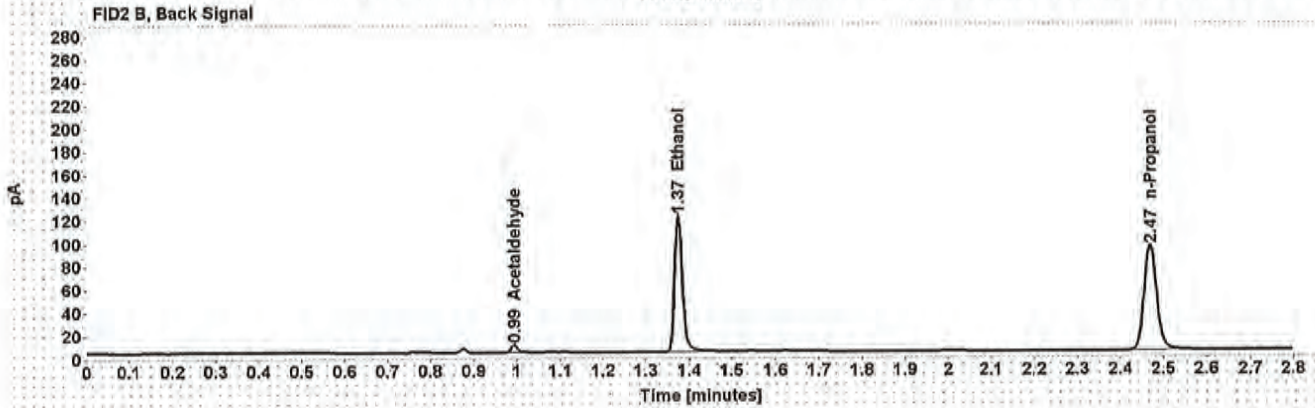
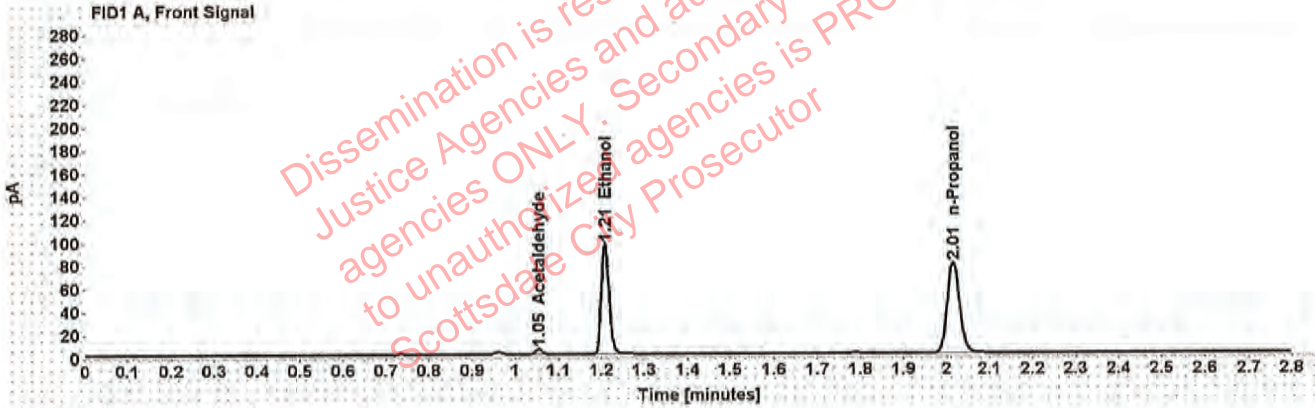


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.697
>Ethanol	0.1951	1.209	123.325
n-Propanol	-----	2.015	157.204

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.130
Ethanol	1.375	152.357
n-Propanol	2.469	188.233

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1262637	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:37:26 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\25.D	Analyst:	Raines

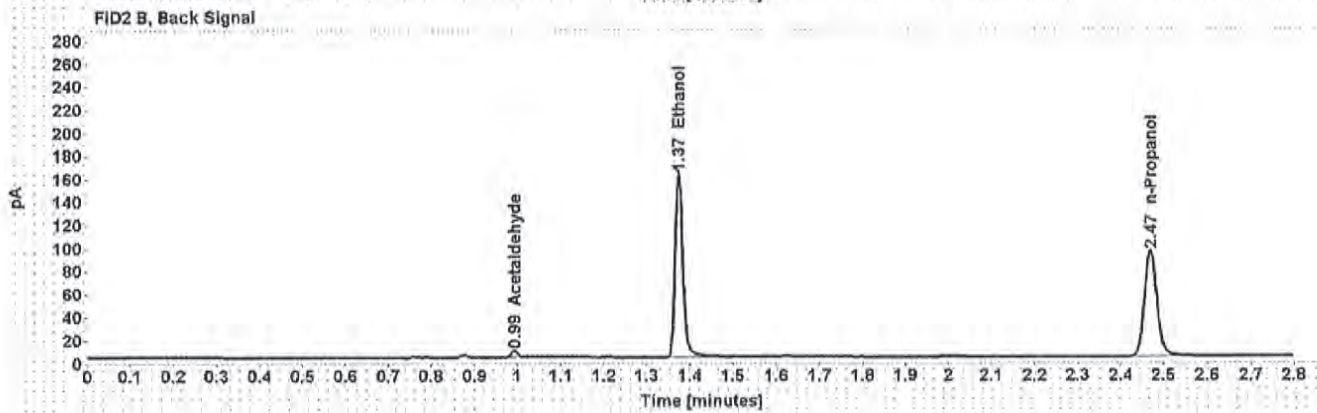
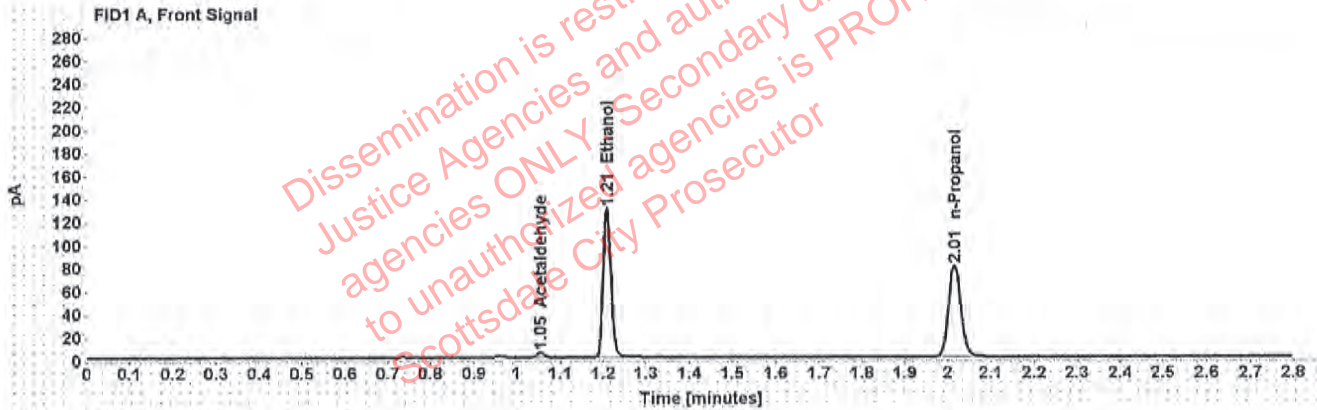


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.499
>Ethanol	0.2610	1.209	166.160
n-Propanol	-----	2.015	158.348

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.842
Ethanol	1.375	204.973
n-Propanol	2.469	189.748

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1262637	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:41:26 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\26.D	Analyst:	Raines

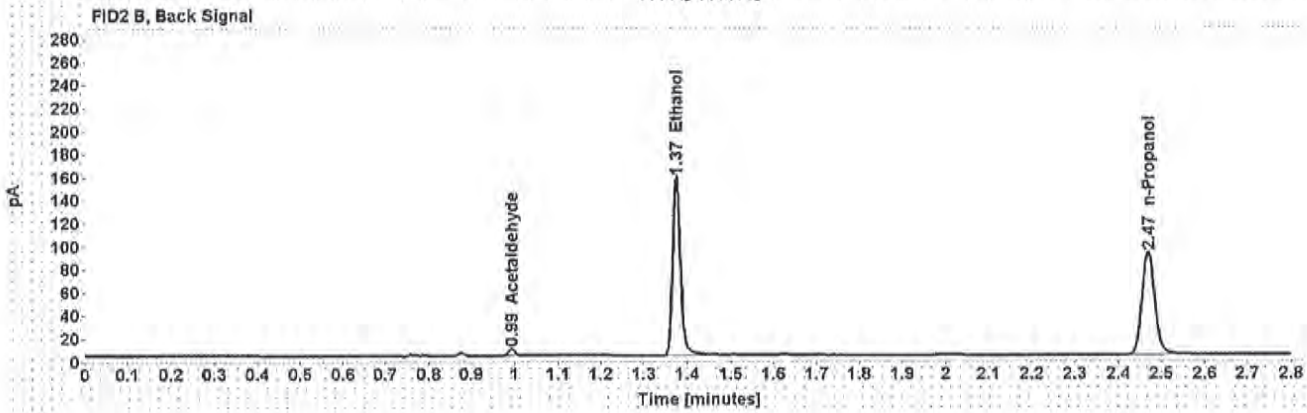
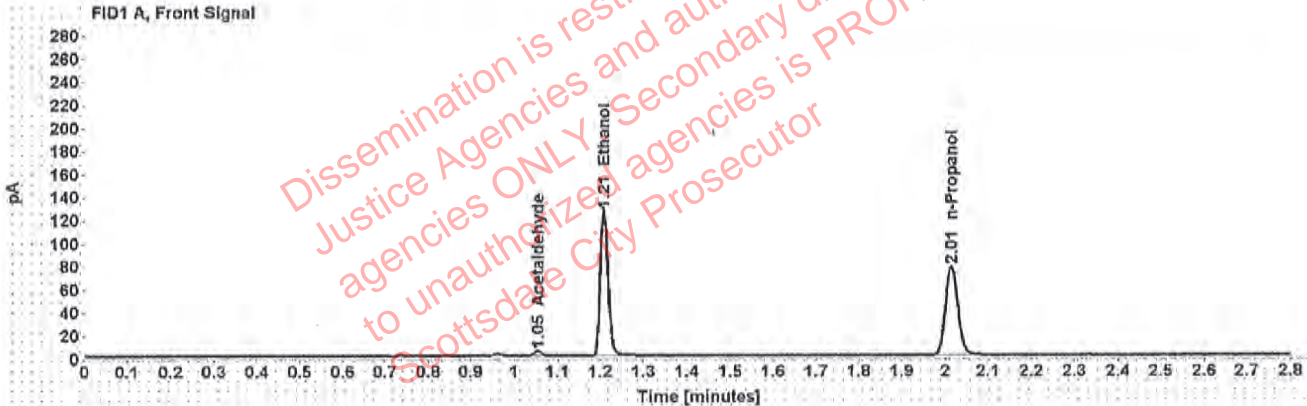


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.477
>Ethanol	0.2601	1.209	161.508
n-Propanol	-----	2.015	154.401

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.833
Ethanol	1.375	199.574
n-Propanol	2.469	184.885

Cas [redacted] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1253843	Vial:	27
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:45:25 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\27.D	Analyst:	Raines

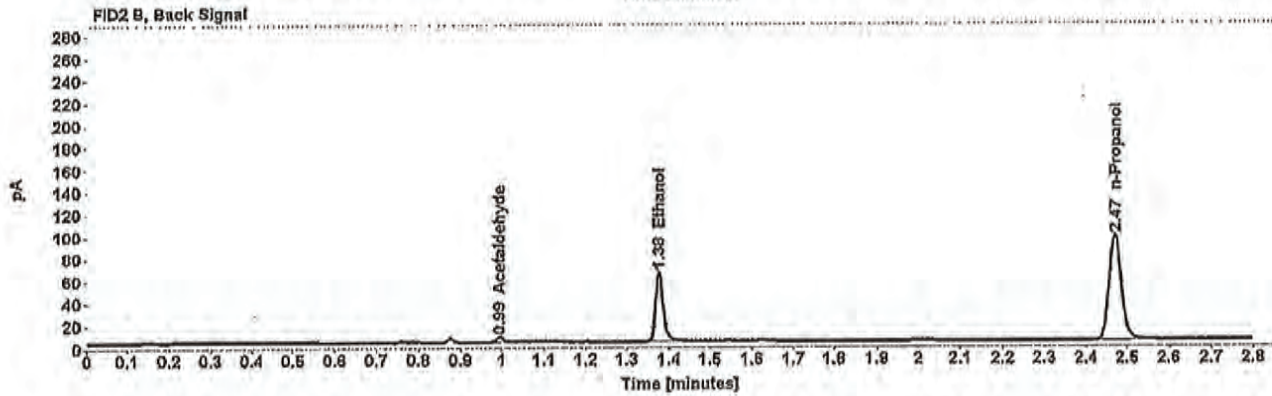
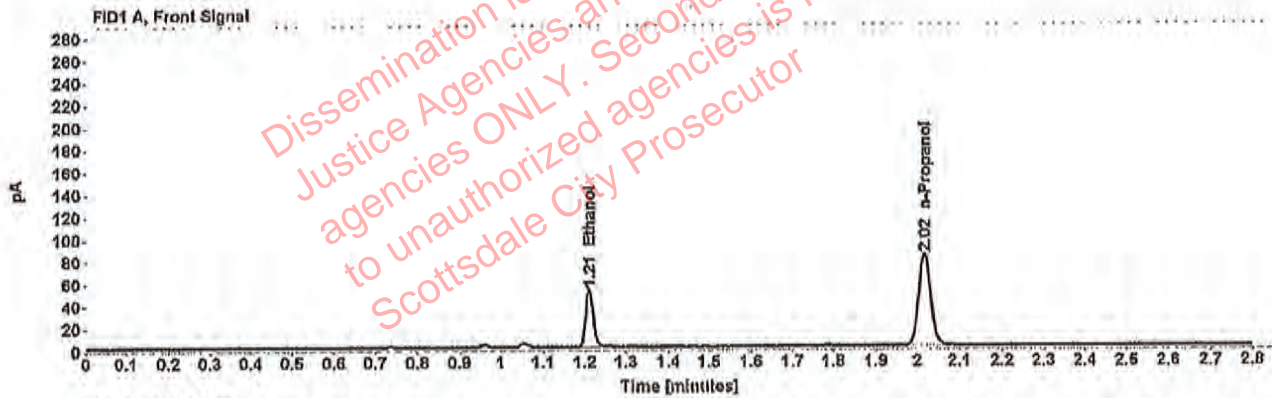


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1006	1.210	66.407
n-Propanol	-----	2.016	164.212

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.527
Ethanol	1.377	60.648
n-Propanol	2.471	196.797

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1253843	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:49:26 PM
Data file:	C:\Chem32\11\Data\02JUL19\02JUL19\28.D	Analyst:	Raines

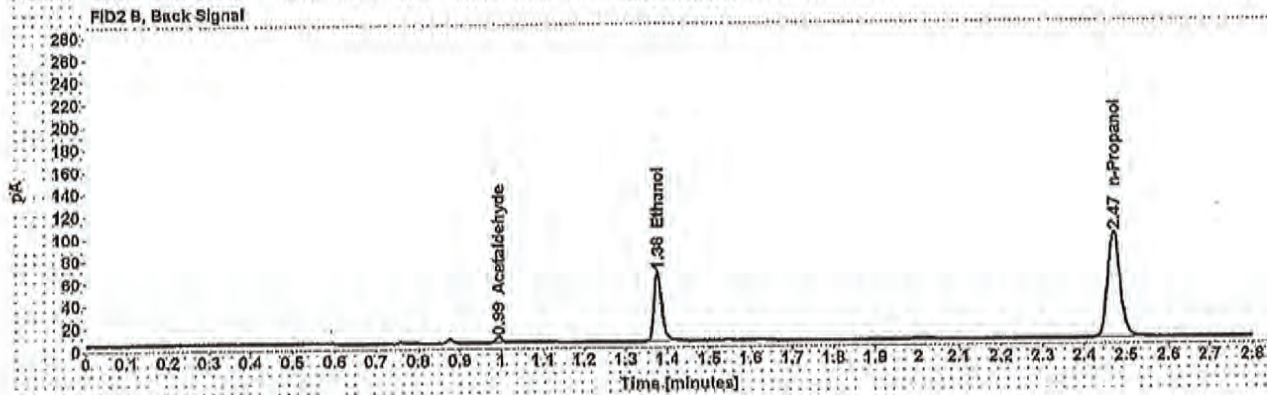
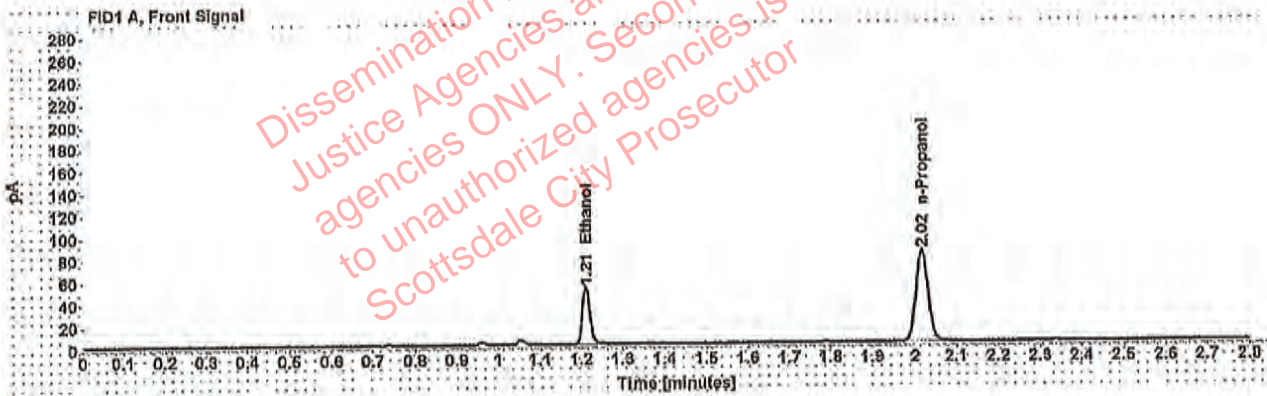


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1002	1.210	65.851
n-Propanol	-----	2.016	163.534

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.564
Ethanol	1.377	79.915
n-Propanol	2.471	195.958

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1276873	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	Standard Quant	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:53:26 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\29.D	Analyst:	Raines

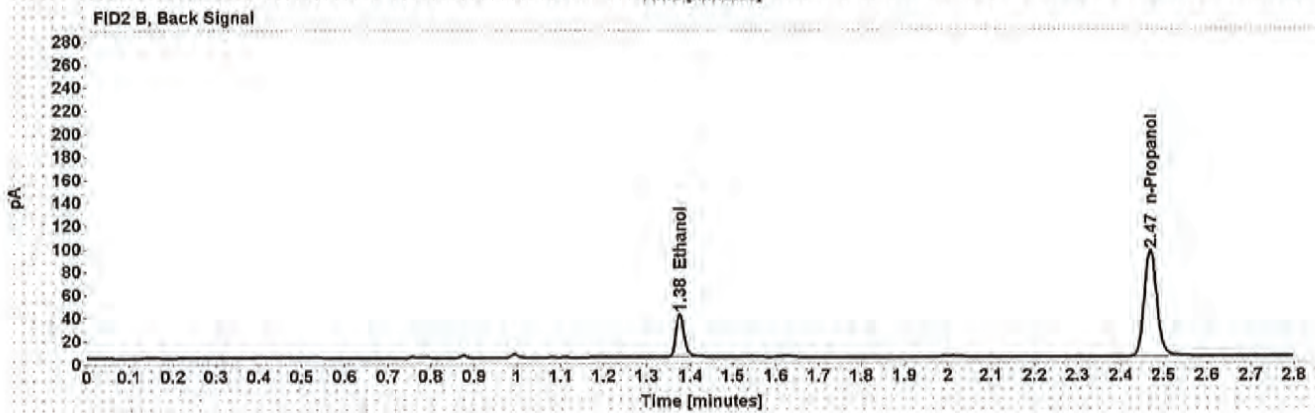
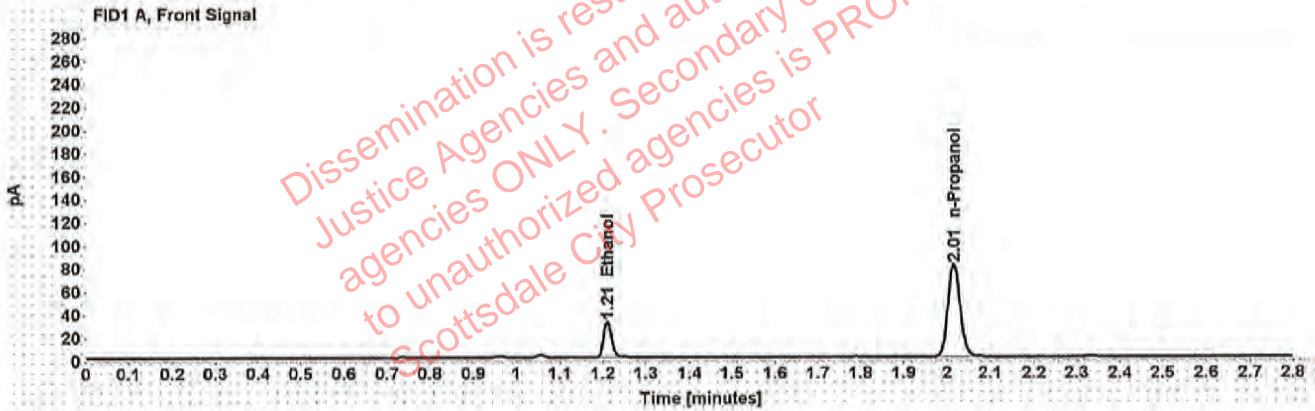


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0622	1.210	39.998
n-Propanol	-----	2.015	159.990

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

Compound	Time (min)	Peak Area
Ethanol	1.376	48.409
n-Propanol	2.469	191.975

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1276873	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 4:57:26 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\30.D	Analyst:	Raines

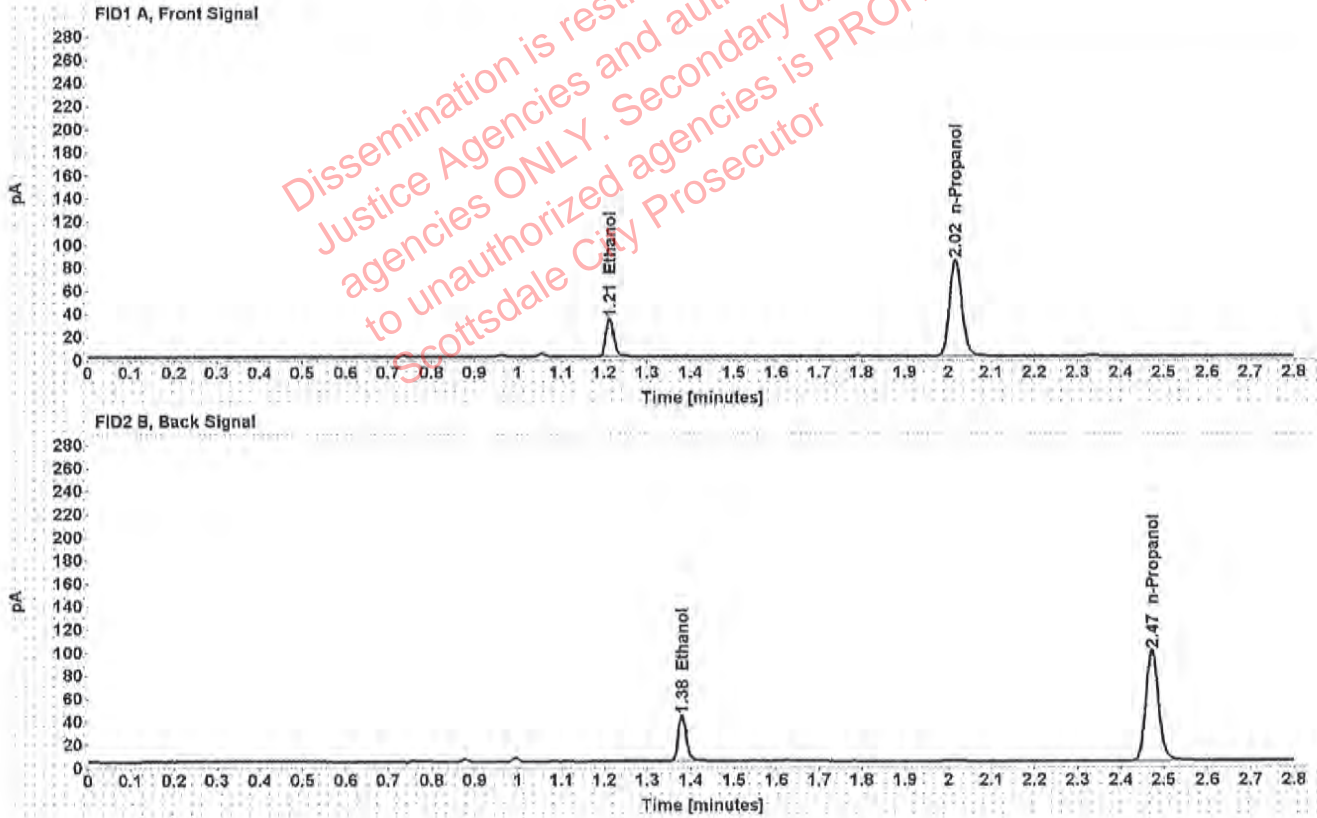


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0636	1.212	42.504
n-Propanol	-----	2.017	166.343

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

Compound	Time (min)	Peak Area
Ethanol	1.379	51.400
n-Propanol	2.472	199.491

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1277643	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:05:40 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\32.D	Analyst:	Raines

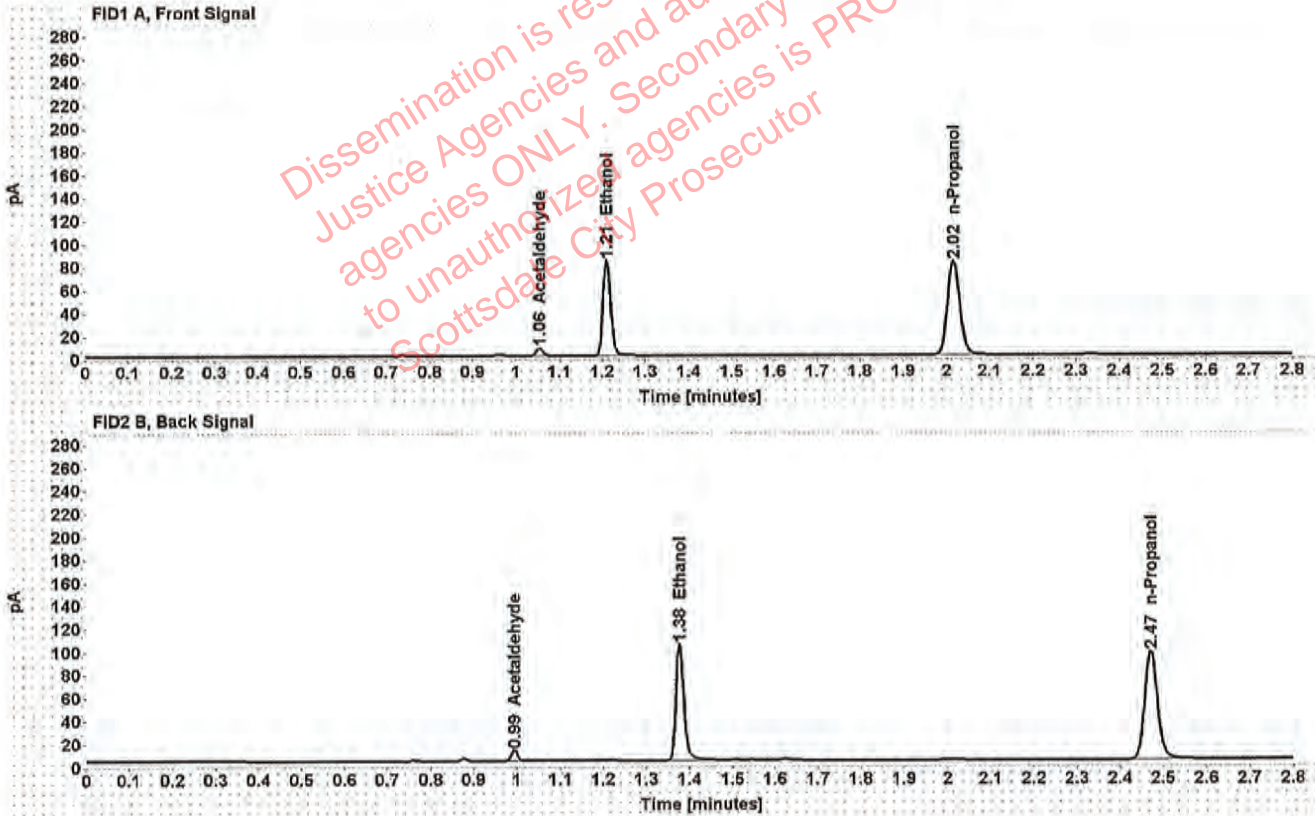


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	6.935
>Ethanol	0.1629	1.210	106.432
n-Propanol	-----	2.016	162.483

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	9.038
Ethanol	1.377	131.795
n-Propanol	2.471	195.107

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1277643	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:09:41 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\33.D	Analyst:	Raines

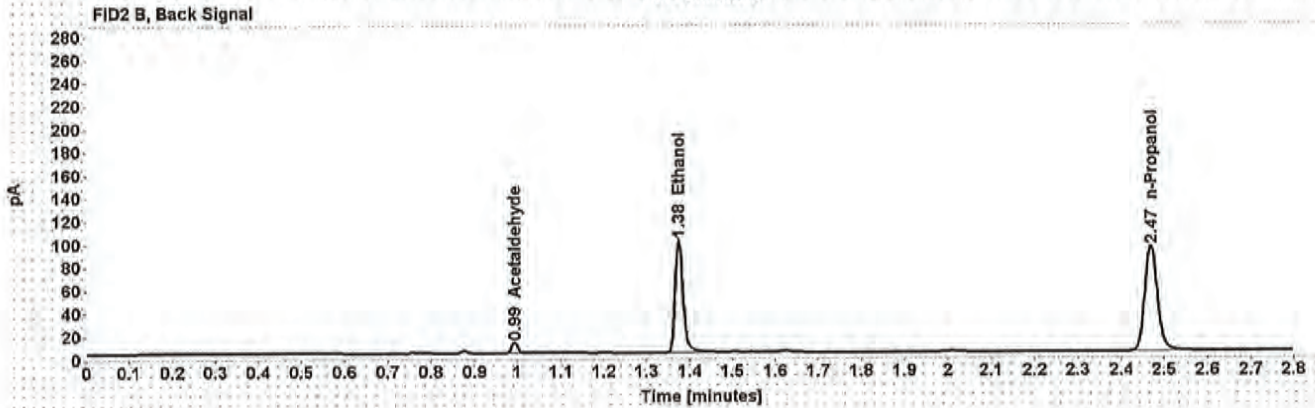
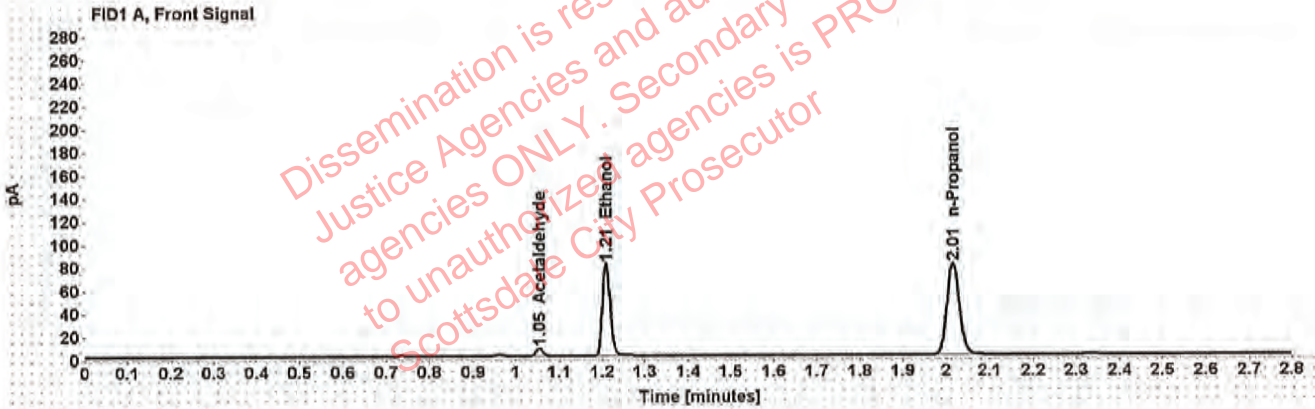


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	6.990
>Ethanol	0.1617	1.209	102.657
n-Propanol	-----	2.015	157.881

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	9.115
Ethanol	1.375	127.488
n-Propanol	2.469	190.036

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33501RL	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:13:41 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\34.D	Analyst:	Raines

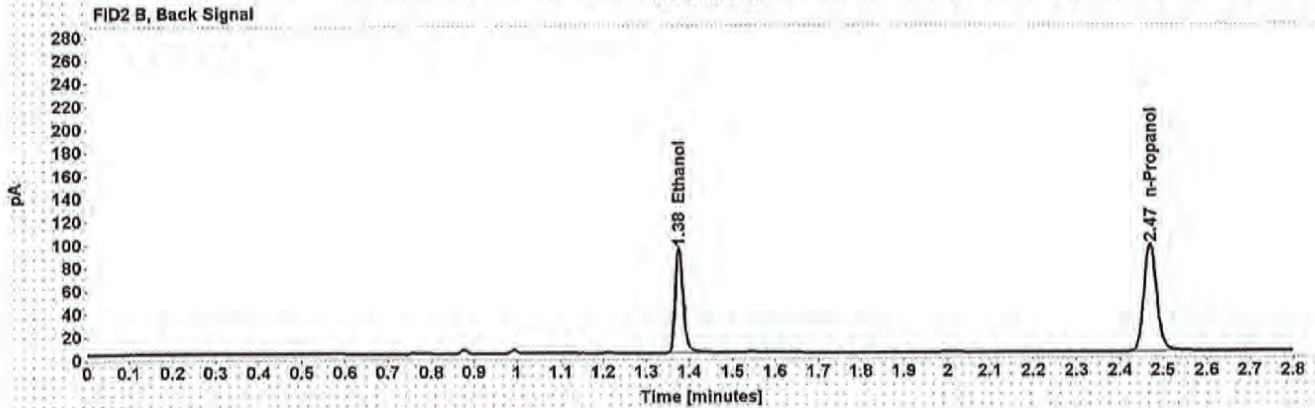
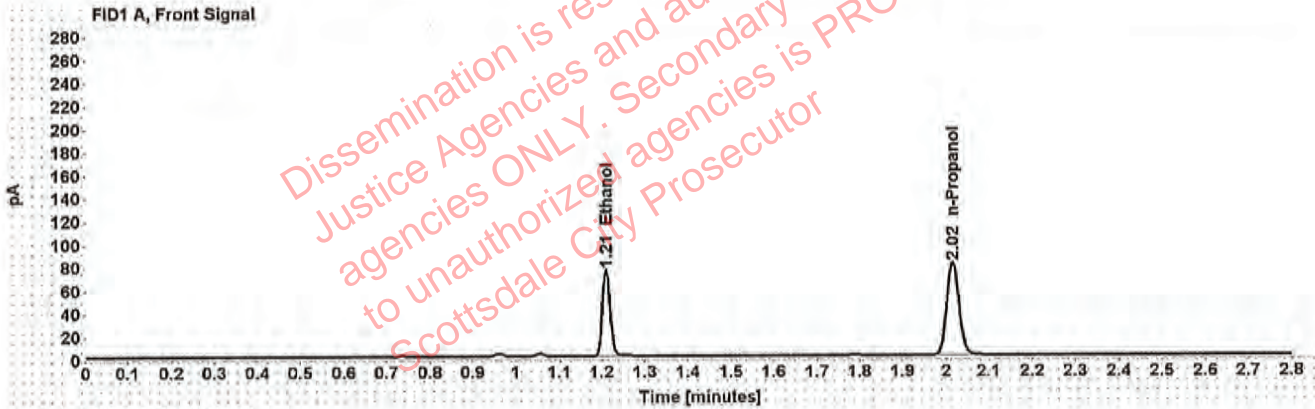


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1484	1.210	96.106
n-Propanol	-----	2.015	161.142

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

Compound	Time (min)	Peak Area
Ethanol	1.376	118.983
n-Propanol	2.470	192.553

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	33501RL	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.m	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:17:41 PM
Data file:	C:\Chem321\Data\02JUL19\02JUL19\35.D	Analyst:	Raines

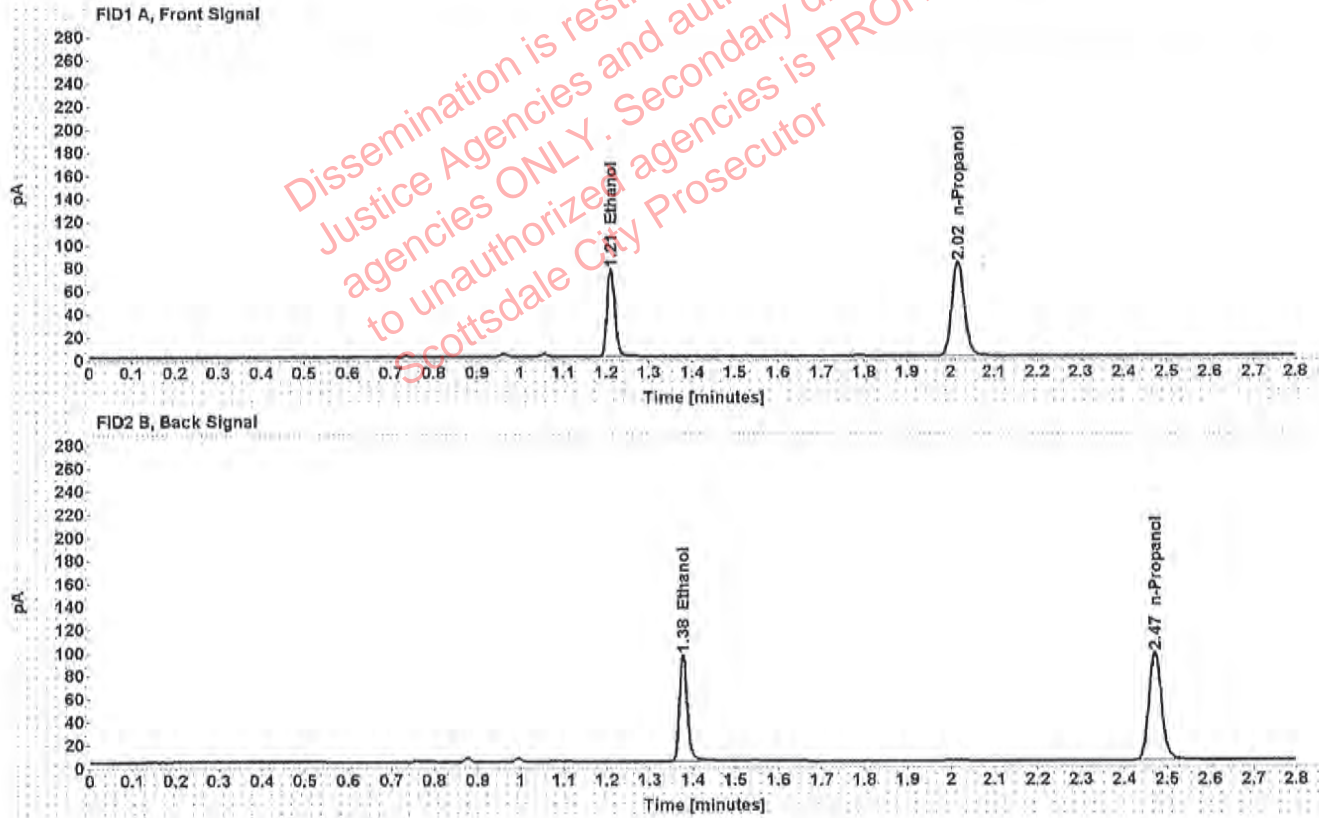


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1494	1.210	97.701
n-Propanol	-----	2.016	162.637

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

Compound	Time (min)	Peak Area
Ethanol	1.377	120.840
n-Propanol	2.471	194.861

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1278001	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:21:41 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\36.D	Analyst:	Raines

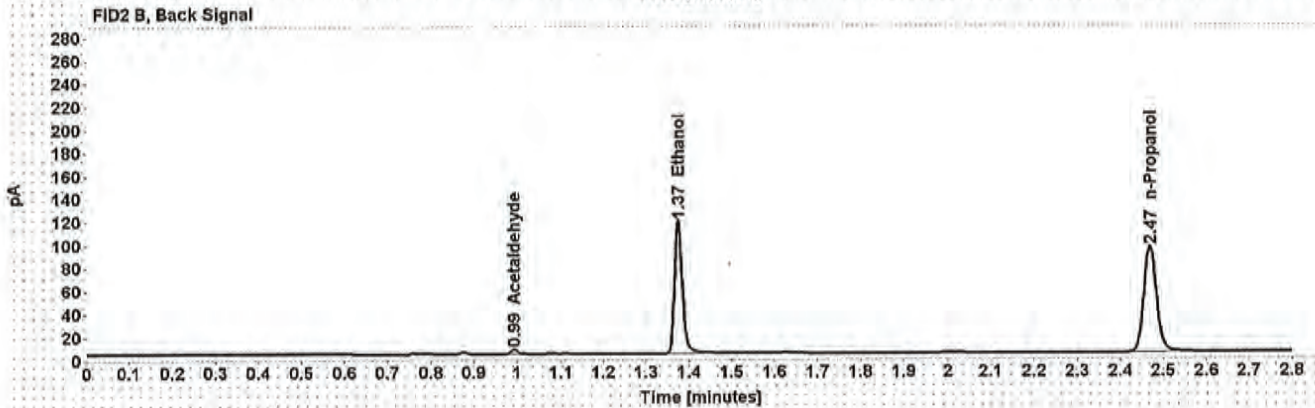
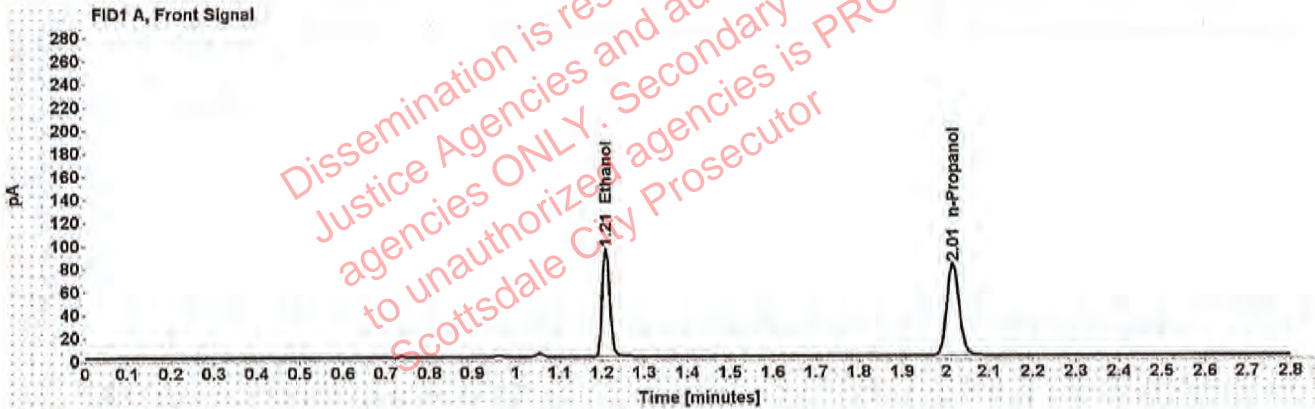


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1888	1.209	120.638
n-Propanol	-----	2.015	158.903

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.842
Ethanol	1.375	149.067
n-Propanol	2.469	190.171

Case: [redacted] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1278001	Vial:	37
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:25:55 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\37.D	Analyst:	Raines

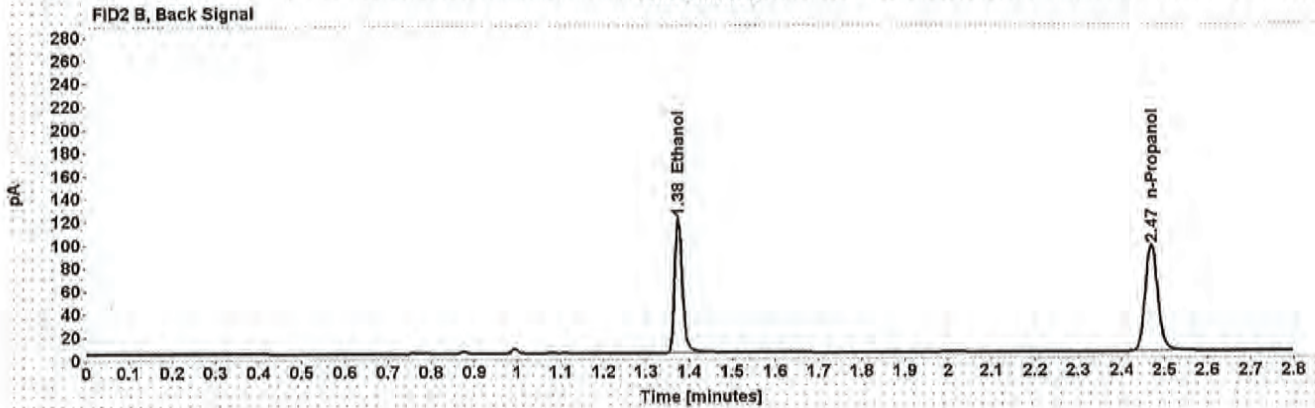
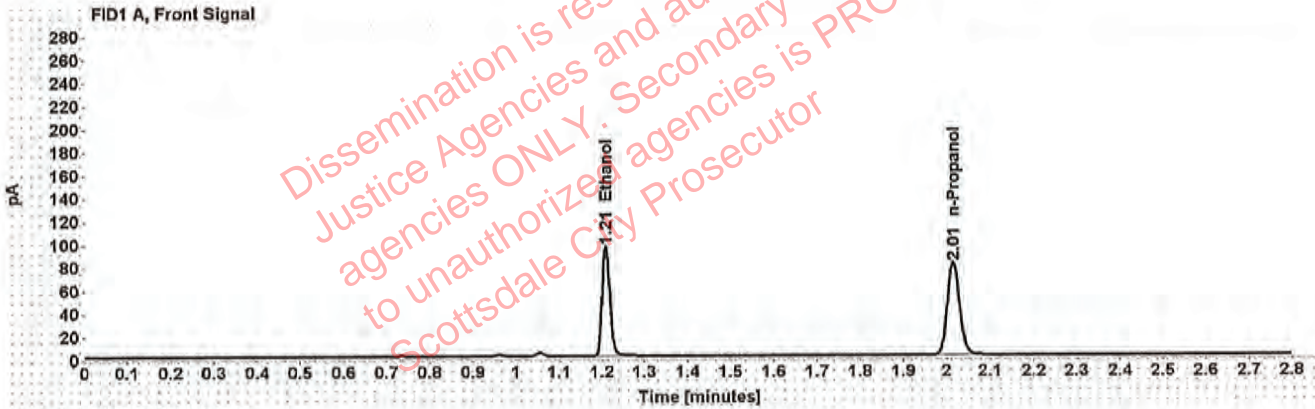


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1906	1.209	122.485
n-Propanol	-----	2.015	159.841

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

Compound	Time (min)	Peak Area
Ethanol	1.375	150.965
n-Propanol	2.469	191.007

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1256464	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:29:56 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\38.D	Analyst:	Raines

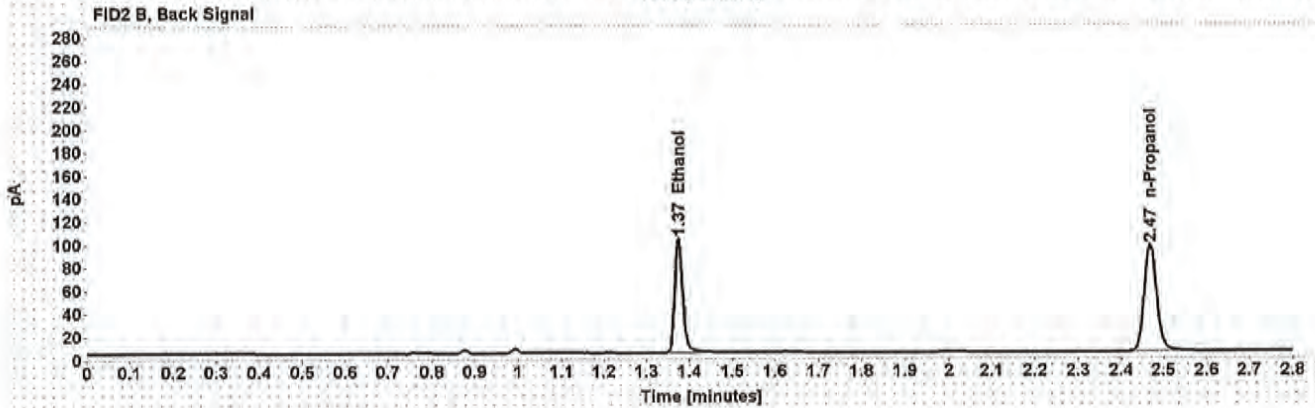
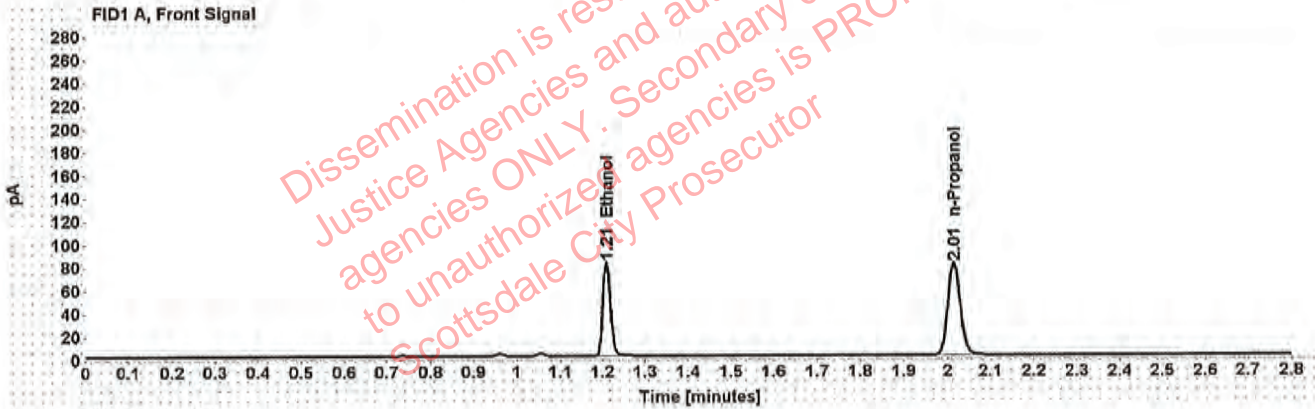


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1622	1.209	104.235
n-Propanol	-----	2.015	159.864

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

Compound	Time (min)	Peak Area
Ethanol	1.375	128.784
n-Propanol	2.469	191.524

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1256464	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:33:55 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\39.D	Analyst:	Raines

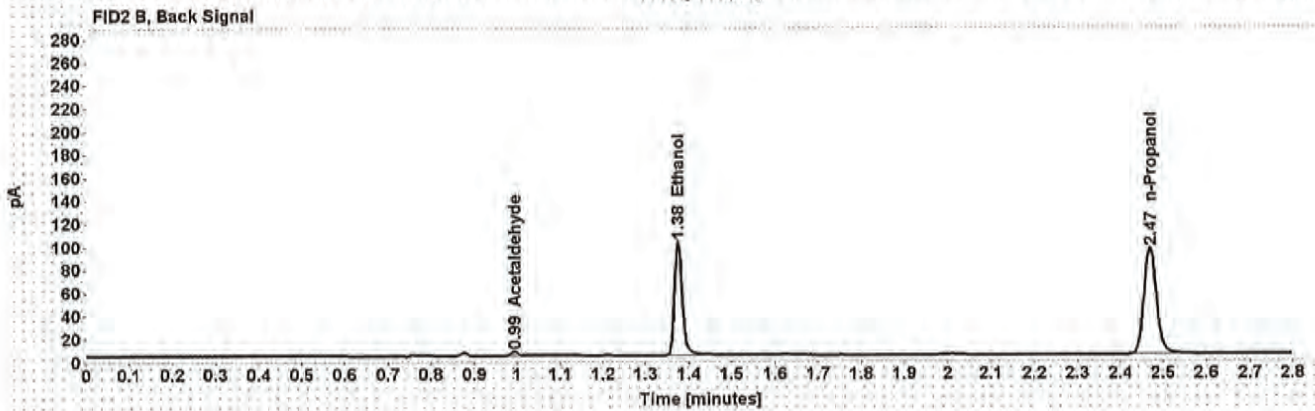
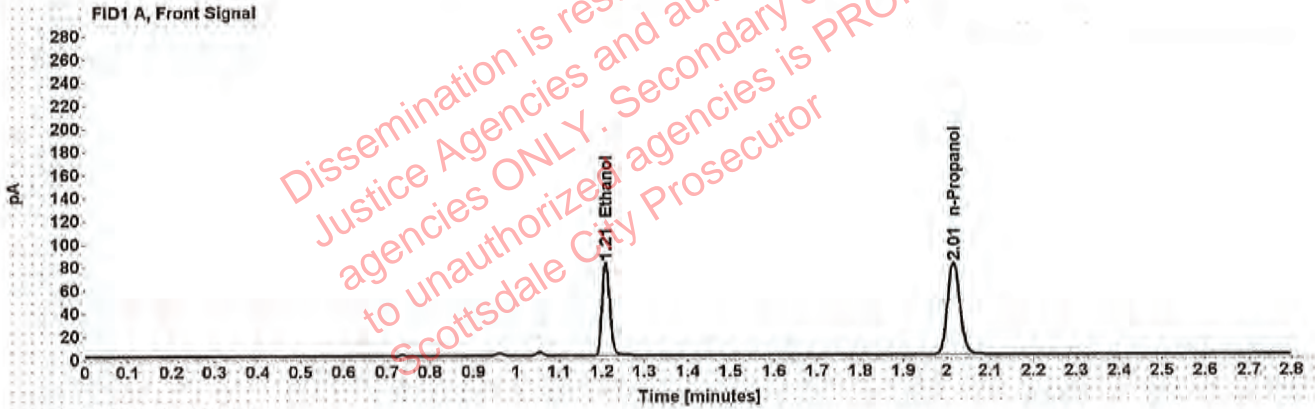


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1615	1.209	103.639
n-Propanol	-----	2.015	159.614

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.778
Ethanol	1.375	128.226
n-Propanol	2.469	191.581

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1263552	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:37:56 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\40.D	Analyst:	Raines

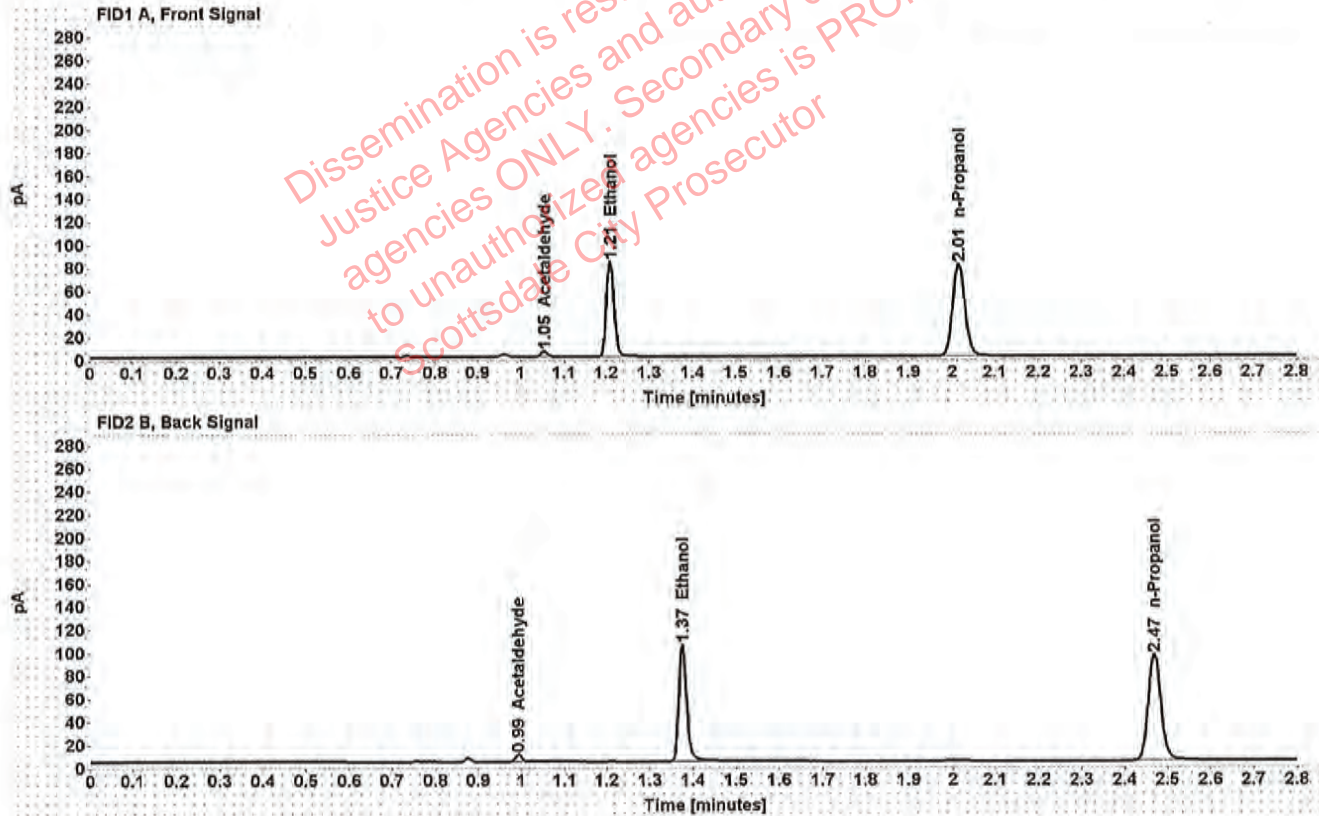


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.832
>Ethanol	0.1658	1.209	106.463
n-Propanol	-----	2.015	159.729

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.281
Ethanol	1.375	132.018
n-Propanol	2.469	192.051

Case: [REDACTED] User: mraines 7/3/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1263552	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:41:55 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\41.D	Analyst:	Raines

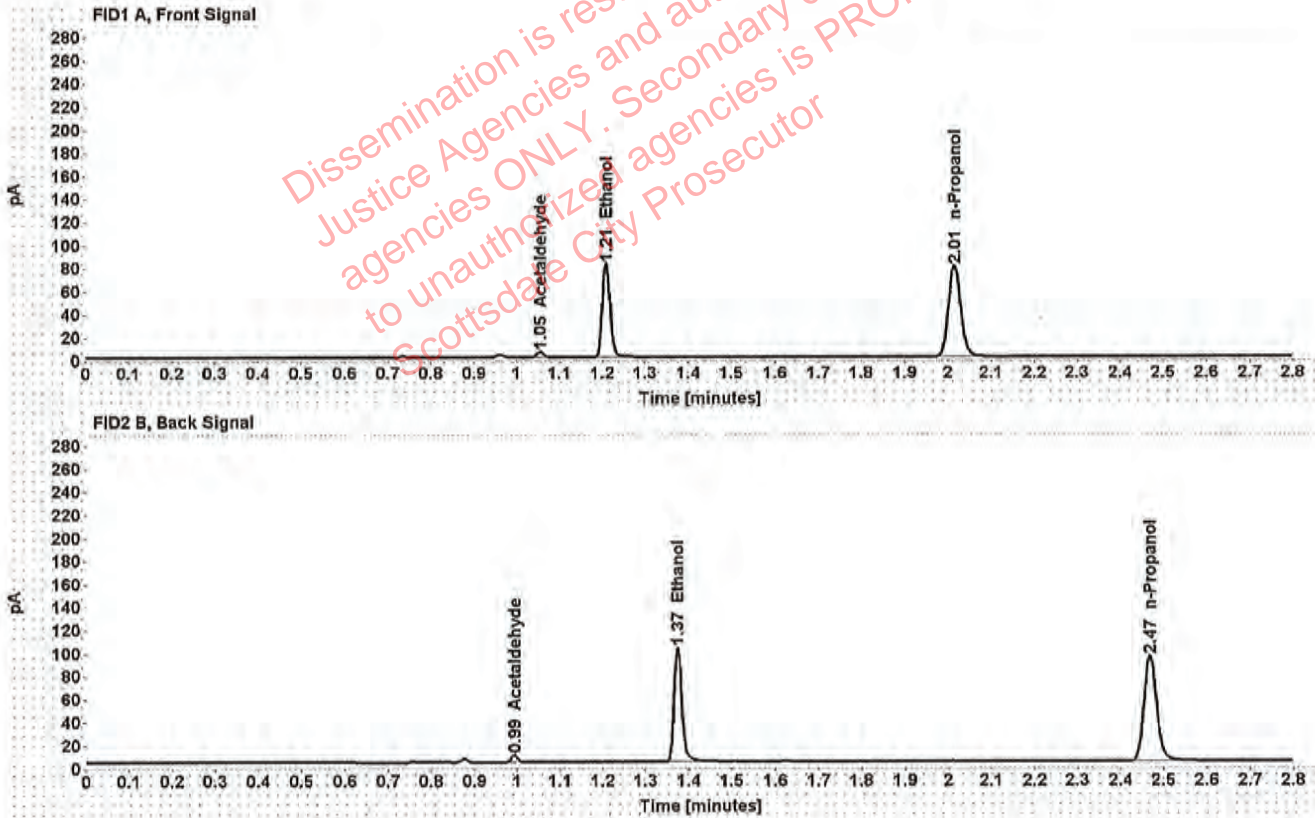


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.812
>Ethanol	0.1649	1.209	104.438
n-Propanol	-----	2.014	157.559

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	6.247
Ethanol	1.375	129.186
n-Propanol	2.469	189.451

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1278179	Vial:	43
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:50:11 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\43.D	Analyst:	Raines

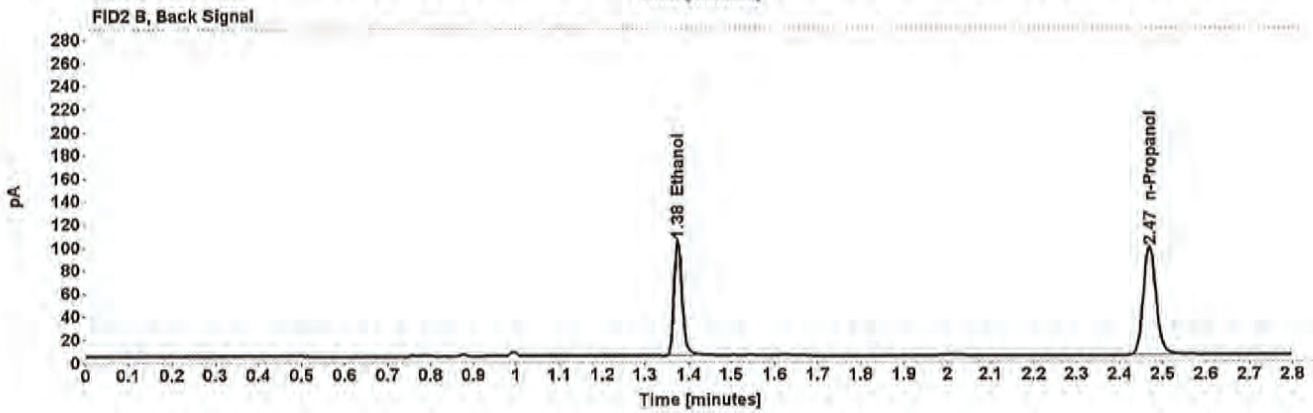
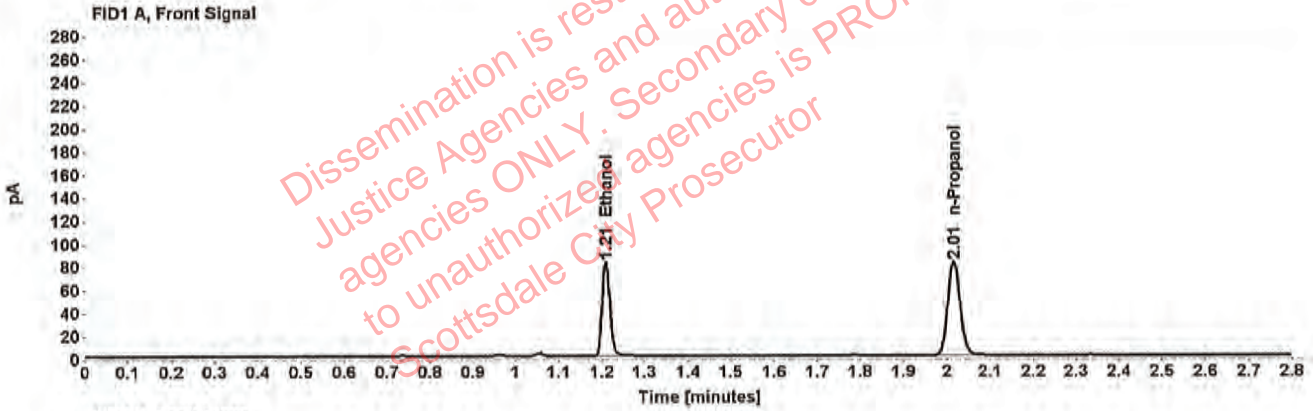


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1609	1.209	104.965
n-Propanol	-----	2.015	162.238

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

Compound	Time (min)	Peak Area
Ethanol	1.375	129.925
n-Propanol	2.469	194.553

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1278179	Vial:	44
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	02JUL19
Instrument:	US14173023 CN14160045	Injection date:	7/2/2019 5:54:10 PM
Data file:	C:\Chem32\1\Data\02JUL19\02JUL19\44.D	Analyst:	Raines

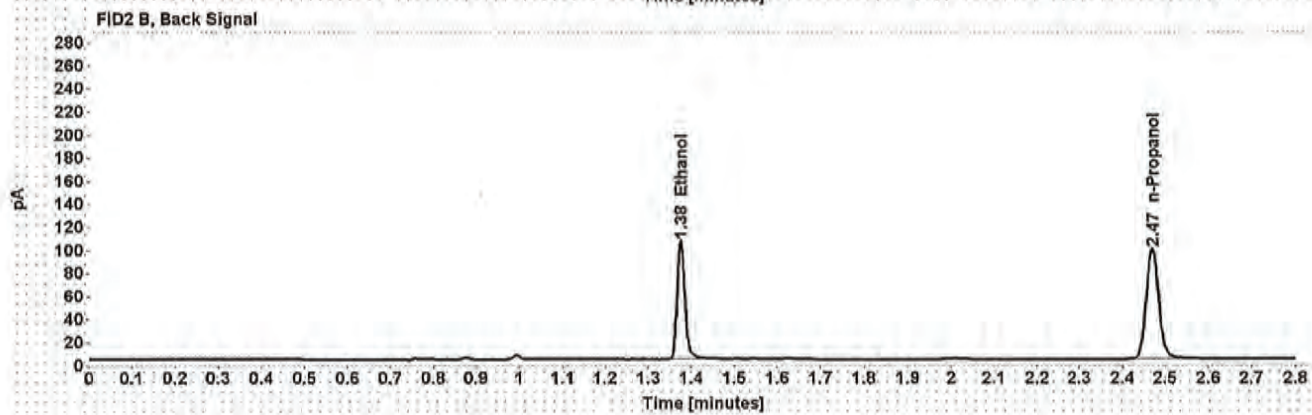
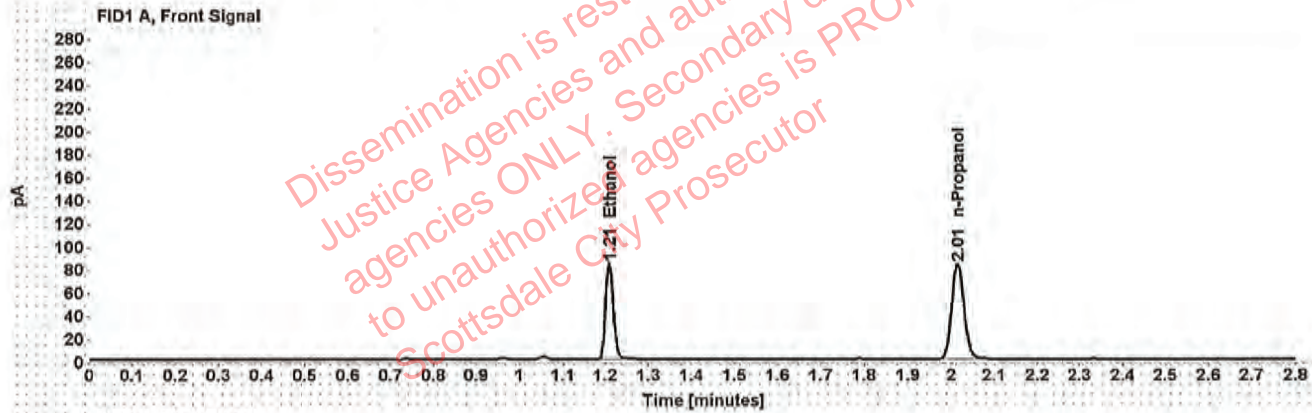


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1612	1.209	107.421
n-Propanol	-----	2.015	165.776

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

Compound	Time (min)	Peak Area
Ethanol	1.375	133.098
n-Propanol	2.469	199.120