

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/20/2020 SEQUENCE NAME 20Oct20

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN06141806 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN05311902 0.99999
 Vial 3 0.20 calibrator Lot FN05101903
 Vial 4 0.40 calibrator Lot FN10051906

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 071420AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.403 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	0.199 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.405 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/13
45	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Jon Abbott Analyst
 Run valid Run invalid Erika Cannonico Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

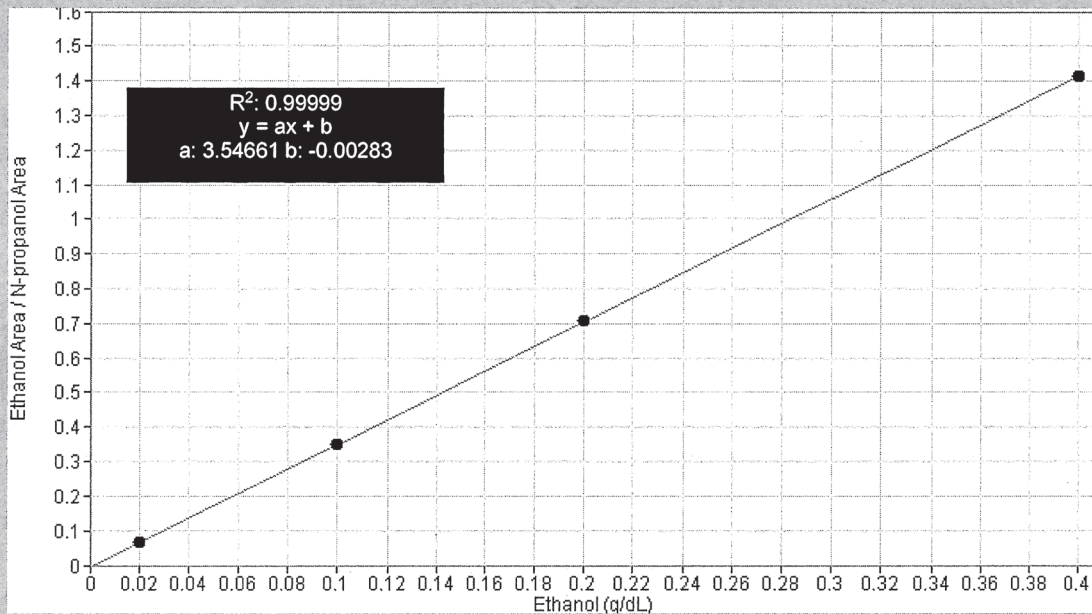
SEQUENCE NAME: 20Oct20

ANALYST: Abbott *ph*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 071420AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.403	0.400	0.75	0.003
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.199	0.198	0.51	0.001
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.080 03102016-A/1	31	0.080	0.080	0.00	0.000
0.400 11092018-A	42	0.405	0.400	1.25	0.005
0.040 14082019-B	43	0.040	0.040	0.00	0.000
0.198 407041529/13	44	0.200	0.198	1.01	0.002
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.101	176.668	0.069
0.100	62.770	179.286	0.350
0.200	127.092	179.426	0.708
0.400	248.195	175.364	1.415

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06141806	Vial: 1
Description: 0.020 calibrator	Sequence: 20Oct20
Method: ethanol quant.M	Injection date: 10/20/2020 12:19:21 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\20Oct20\1.D	

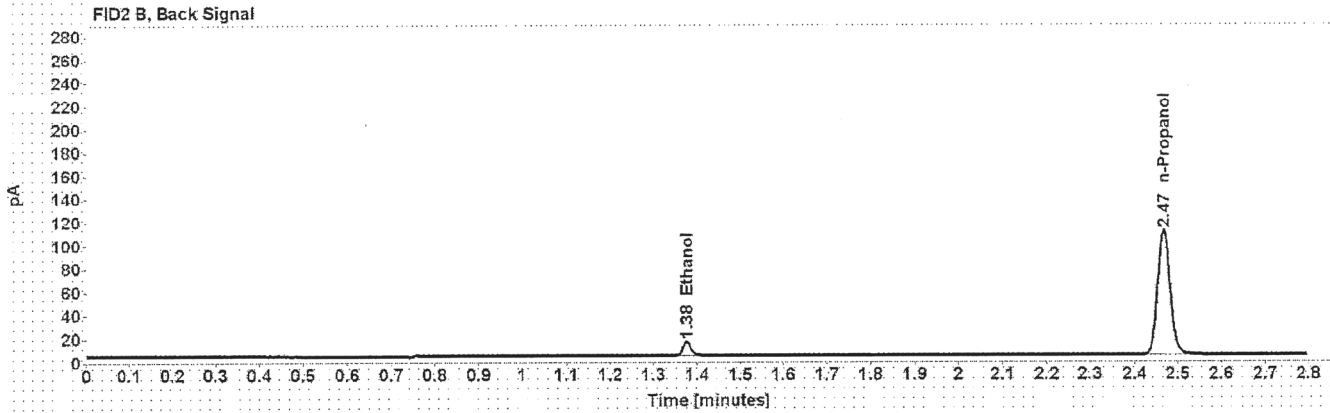


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	12.101
n-Propanol	2.016	176.668

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

Compound	Time (min)	Peak Area
Ethanol	1.376	15.117
n-Propanol	2.467	216.873

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	20Oct20
Method:	ethanol quant.M	Injection date:	10/20/2020 12:23:21 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>dr</i>
Data file:	C:\Chem32\1\Data\20Oct20\2.D		

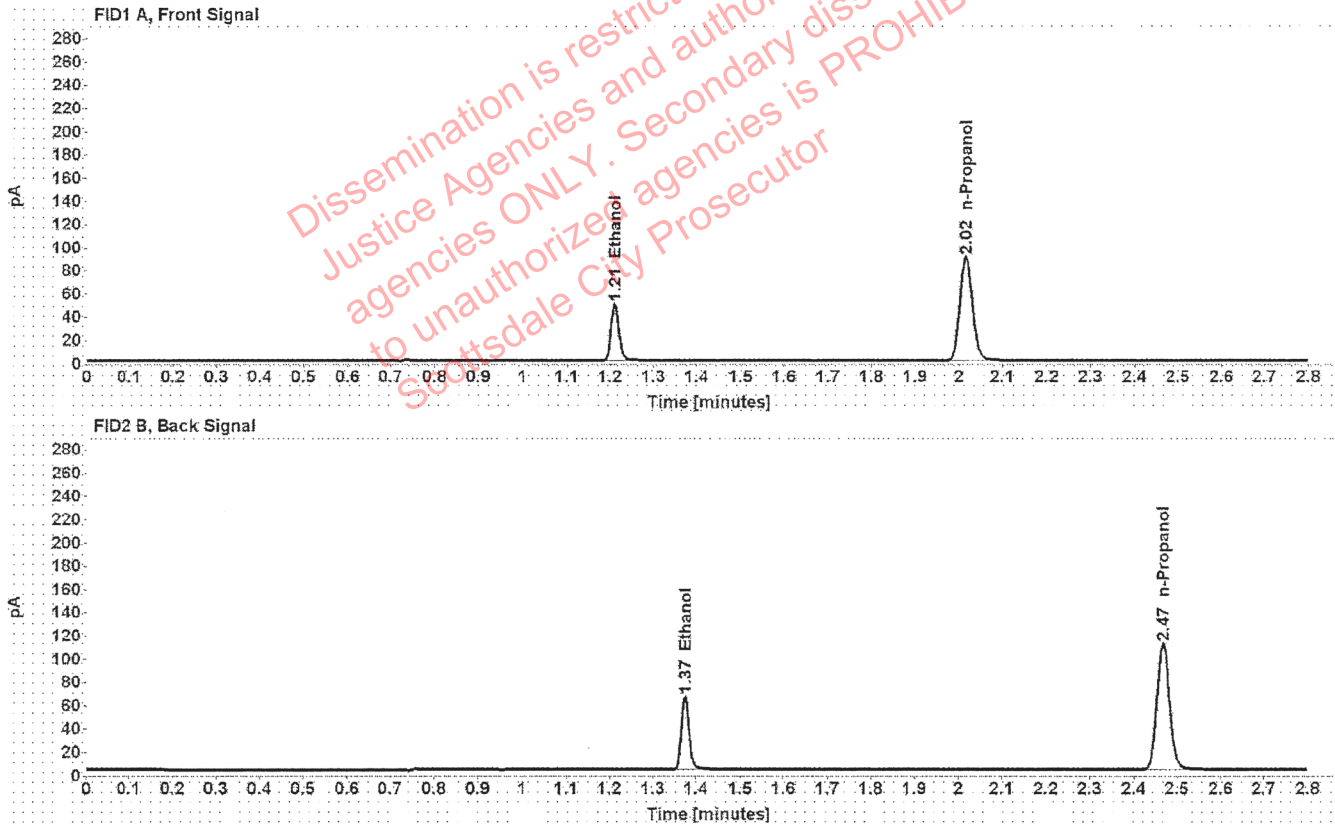


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	62.770
n-Propanol	2.016	179.286

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

Compound	Time (min)	Peak Area
Ethanol	1.375	78.264
n-Propanol	2.468	220.290

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05101903	Vial: 3
Description: 0.200 calibrator	Sequence: 20Oct20
Method: ethanol quant.M	Injection date: 10/20/2020 12:27:22 PM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\20Oct20\3.D	

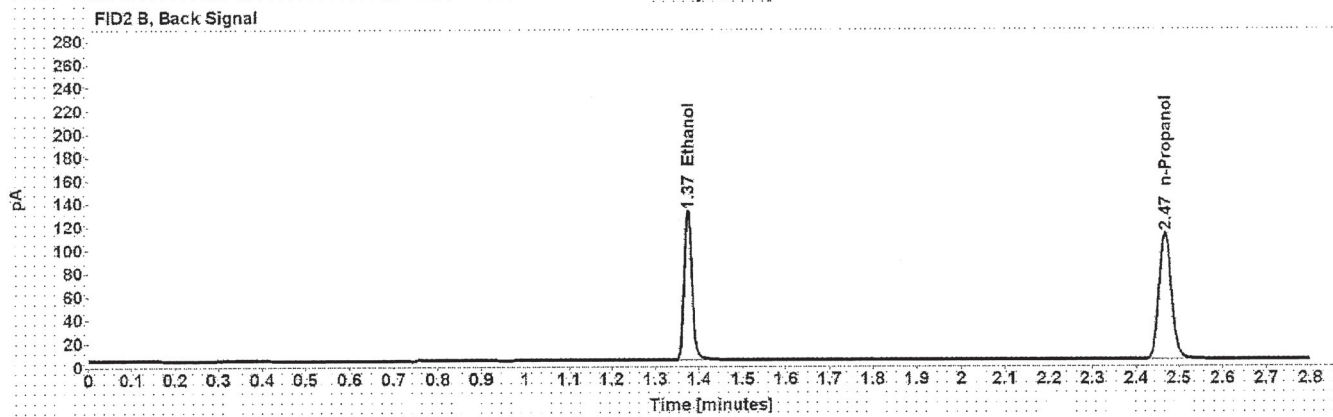
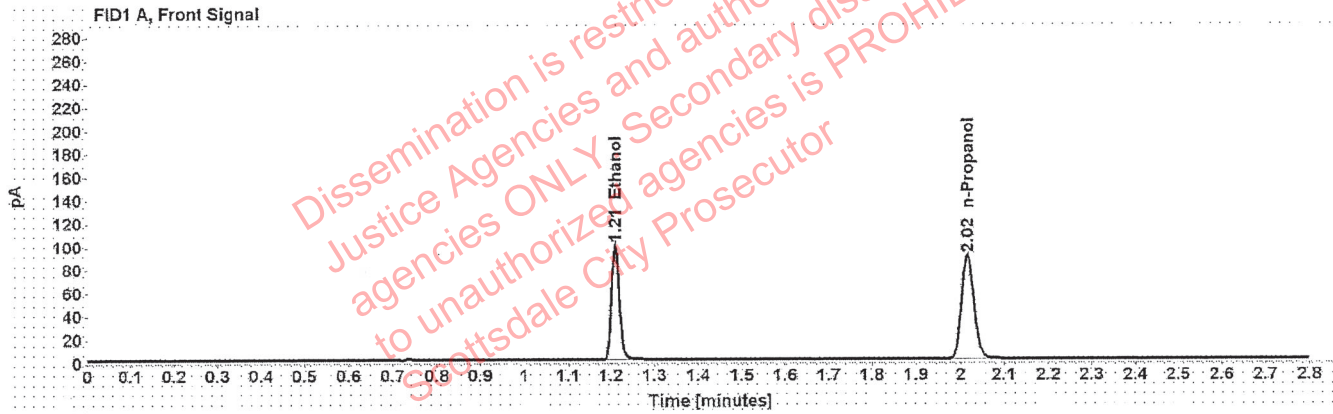


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	127.092
n-Propanol	2.016	179.426

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

Compound	Time (min)	Peak Area
Ethanol	1.374	159.460
n-Propanol	2.467	220.744

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051906	Vial: 4
Description: 0.400 calibrator	Sequence: 20Oct20
Method: ethanol quant.M	Injection date: 10/20/2020 12:31:21 PM
Instrument: US14173023 CN14160045	Analyst: Abbott DA
Data file: C:\Chem32\1\Data\20Oct20\4.D	

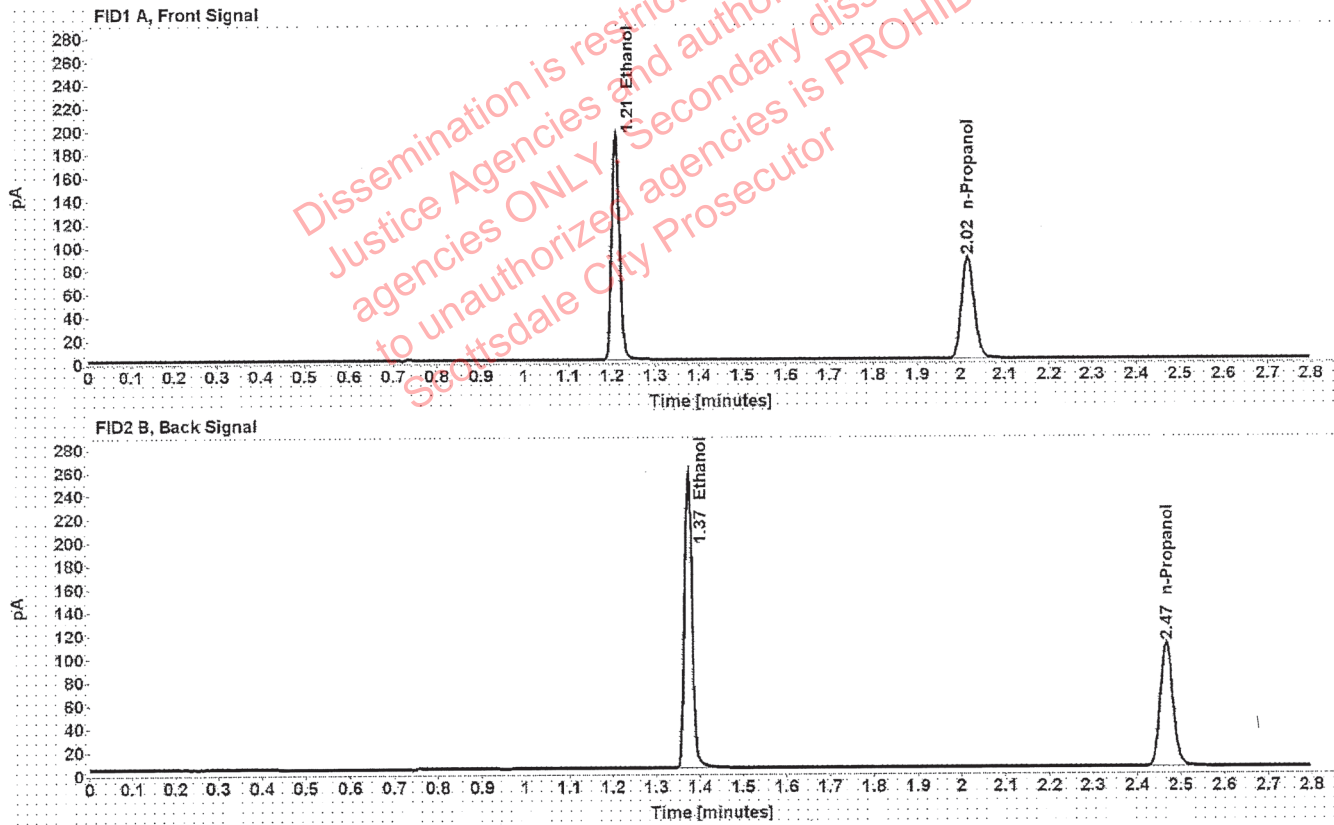


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	248.195
n-Propanol	2.016	175.364

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

Compound	Time (min)	Peak Area
Ethanol	1.373	311.293
n-Propanol	2.467	215.841

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 071420AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 12:35:21 PM
Data file: C:\Chem32\1\Data\20Oct20\5.D	Analyst: Abbott <i>ab</i>

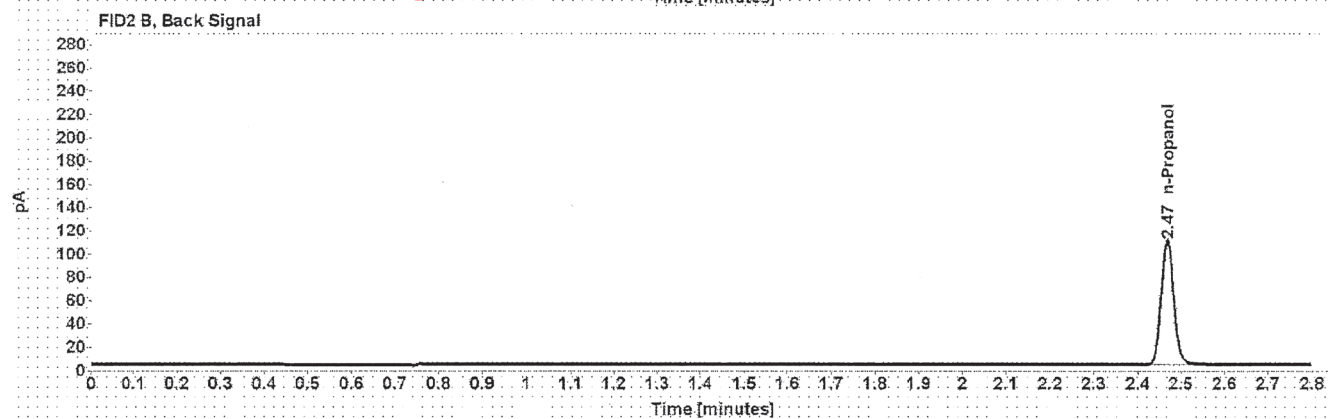
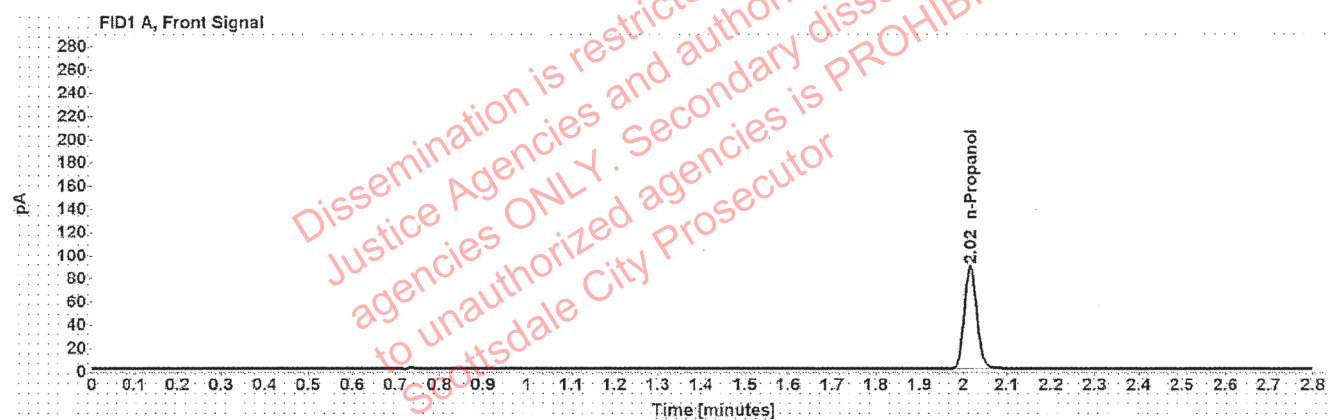


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	176.938

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	217.044

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 12:39:21 PM
Data file: C:\Chem32\1\Data\20Oct20\6.D	Analyst: Abbott <i>JA</i>

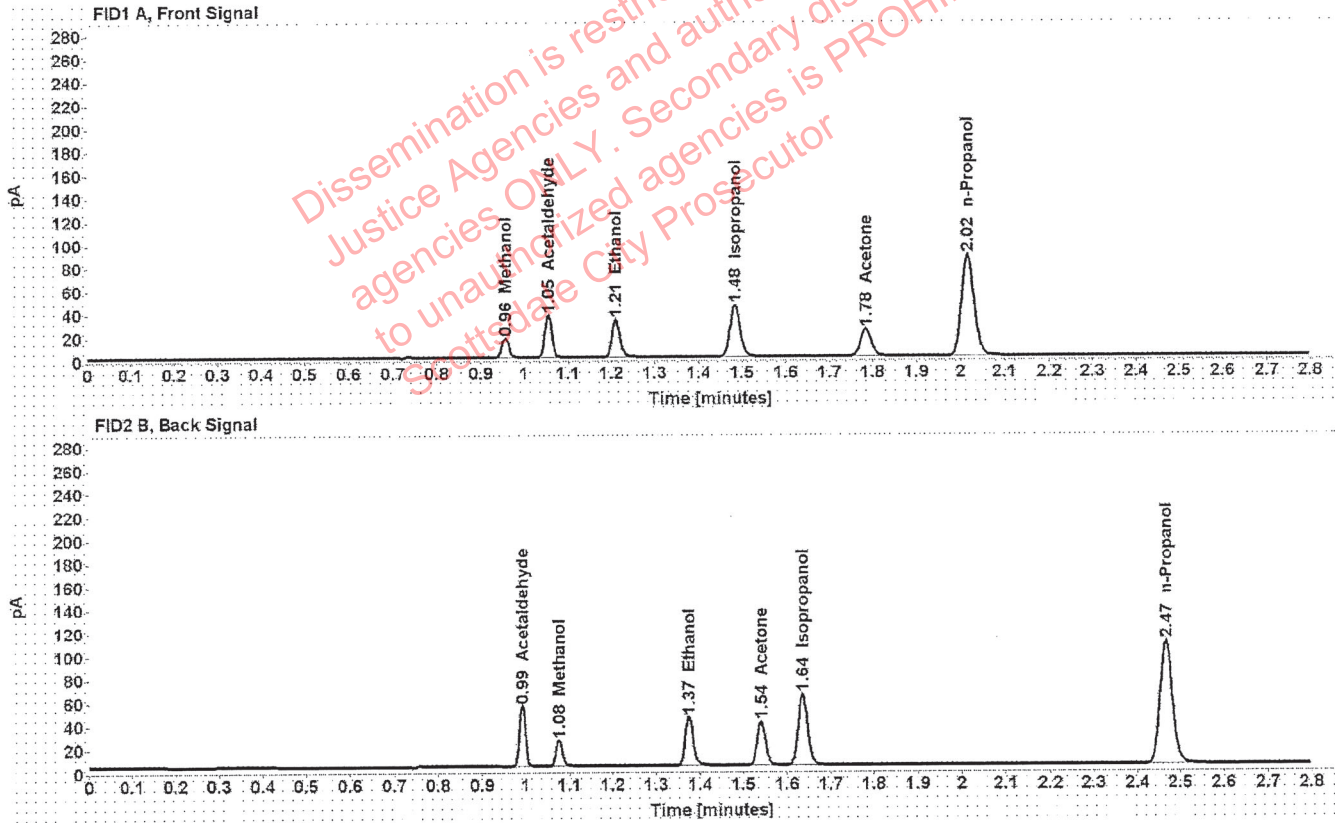


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.656
Acetaldehyde	-----	1.055	39.699
>Ethanol	0.0688	1.210	42.173
Isopropanol	-----	1.484	72.201
Acetone	-----	1.784	40.205
n-Propanol	-----	2.016	174.819

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	51.679
Methanol	1.076	24.072
Ethanol	1.374	52.489
Acetone	1.540	49.738
Isopropanol	1.636	92.457
n-Propanol	2.467	215.124

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 12:43:36 PM
Data file: C:\Chem32\1\Data\20Oct20\7.D	Analyst: Abbott

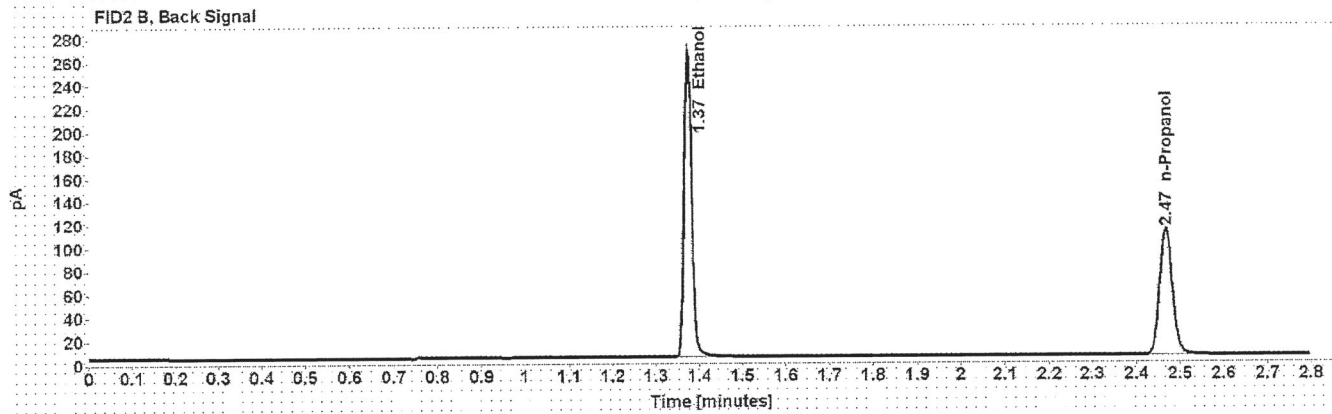
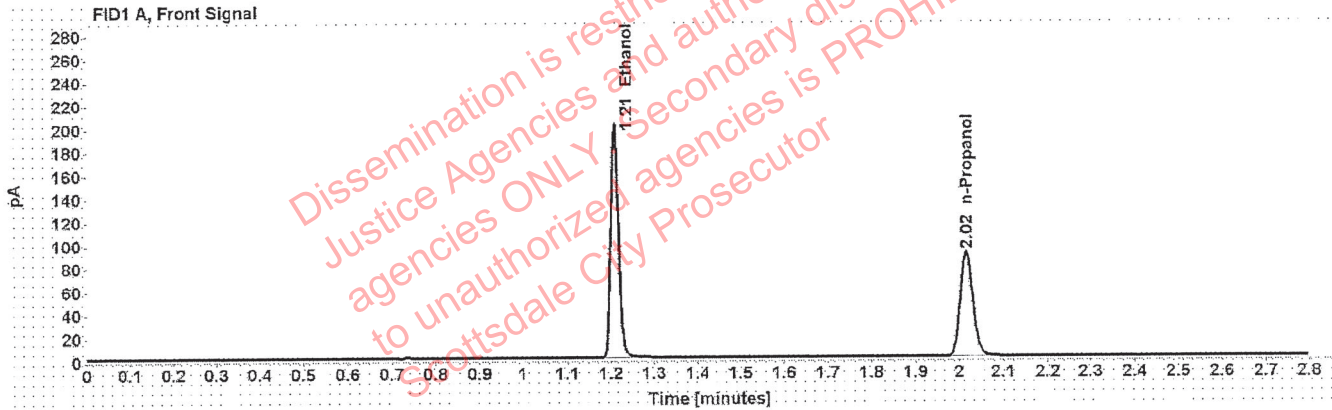


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4038	1.209	256.912
n-Propanol	-----	2.016	179.751

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

Compound	Time (min)	Peak Area
Ethanol	1.374	322.254
n-Propanol	2.467	220.987

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 12:47:36 PM
Data file: C:\Chem32\1\Data\20Oct20\8.D	Analyst: Abbott <i>AB</i>

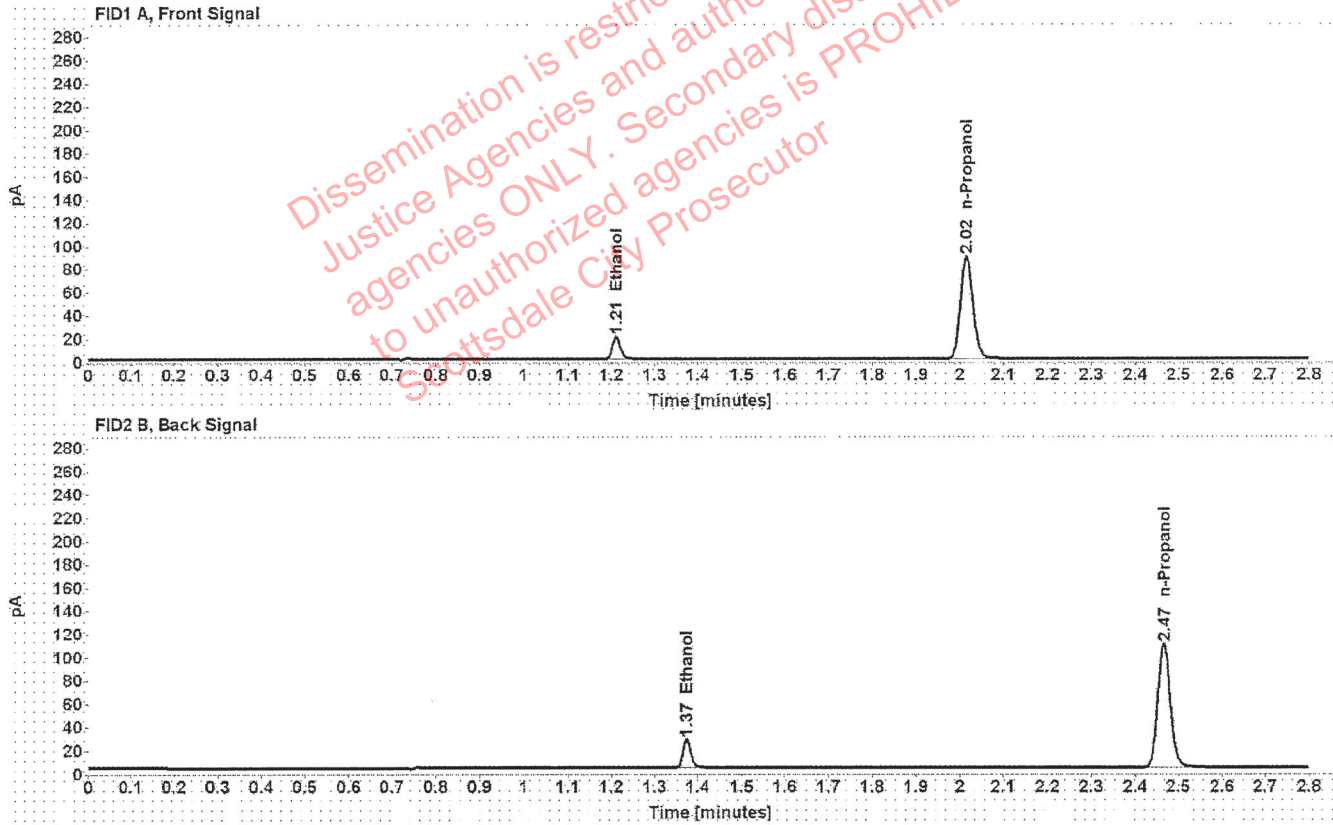


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0402	1.211	24.682
n-Propanol	-----	2.015	176.492

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.687
n-Propanol	2.466	216.662

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 12:51:36 PM
Data file: C:\Chem32\1\Data\20Oct20\9.D	Analyst: Abbott <i>JA</i>

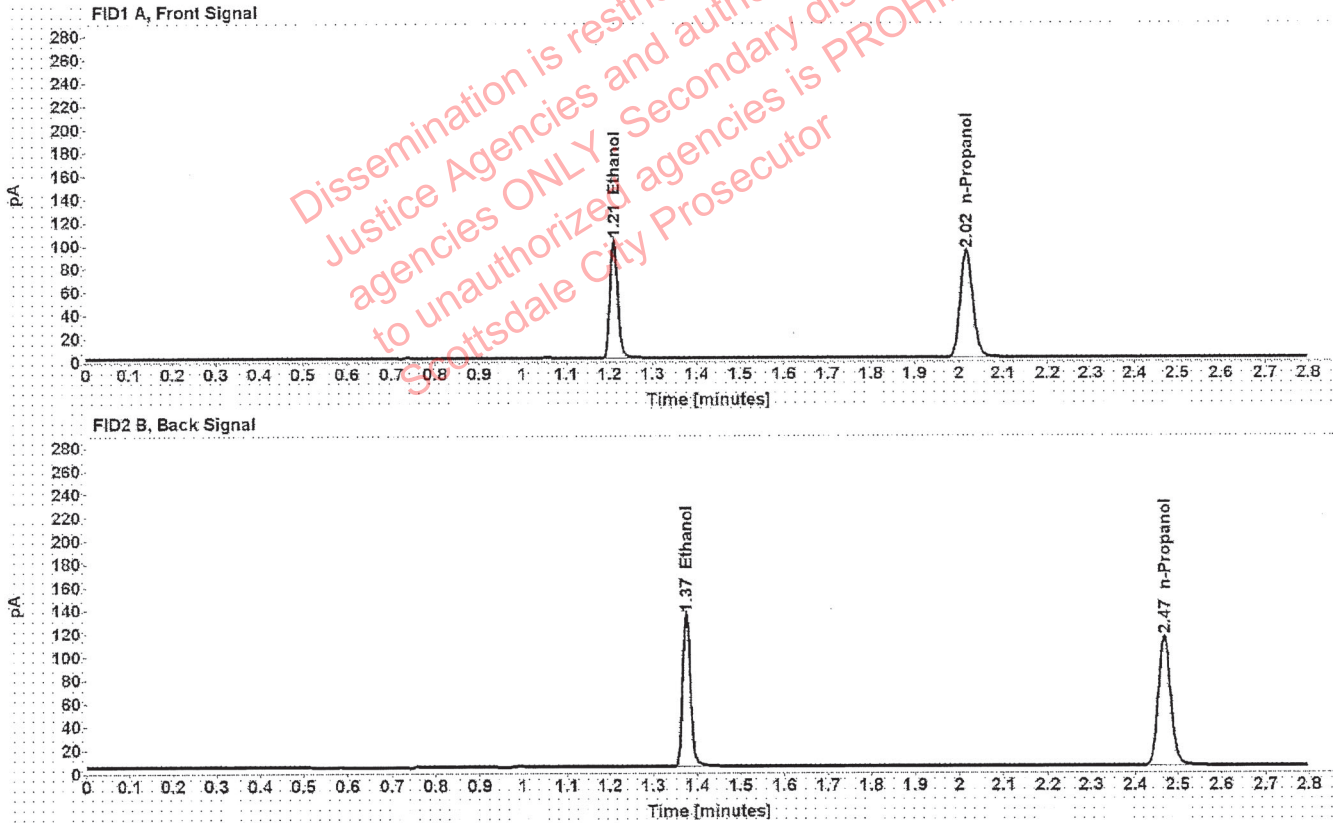


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1994	1.210	130.014
n-Propanol	-----	2.016	184.564

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

Compound	Time (min)	Peak Area
Ethanol	1.375	162.102
n-Propanol	2.468	226.756

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 1:36:05 PM
Data file: C:\Chem32\1\Data\20Oct20\20.D	Analyst: Abbott <i>RA</i>

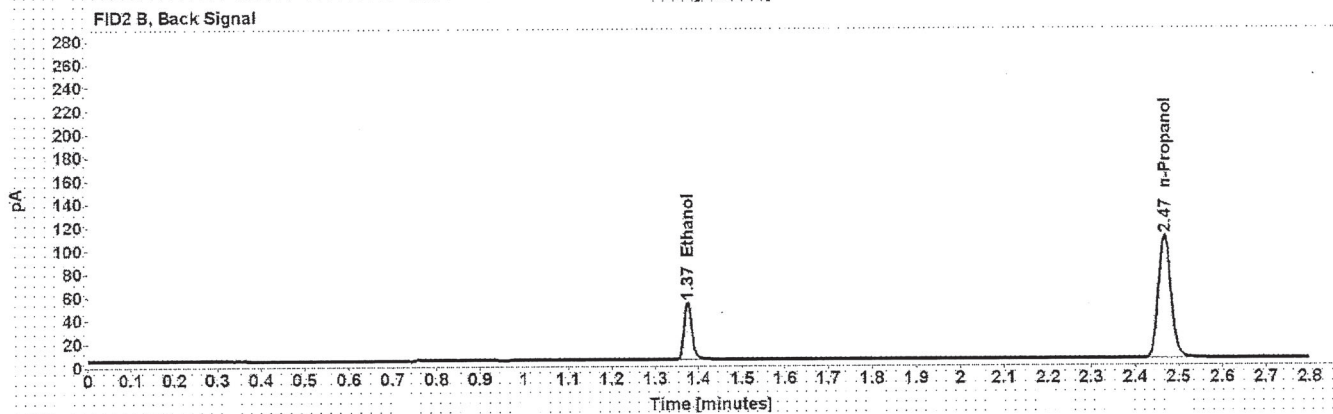
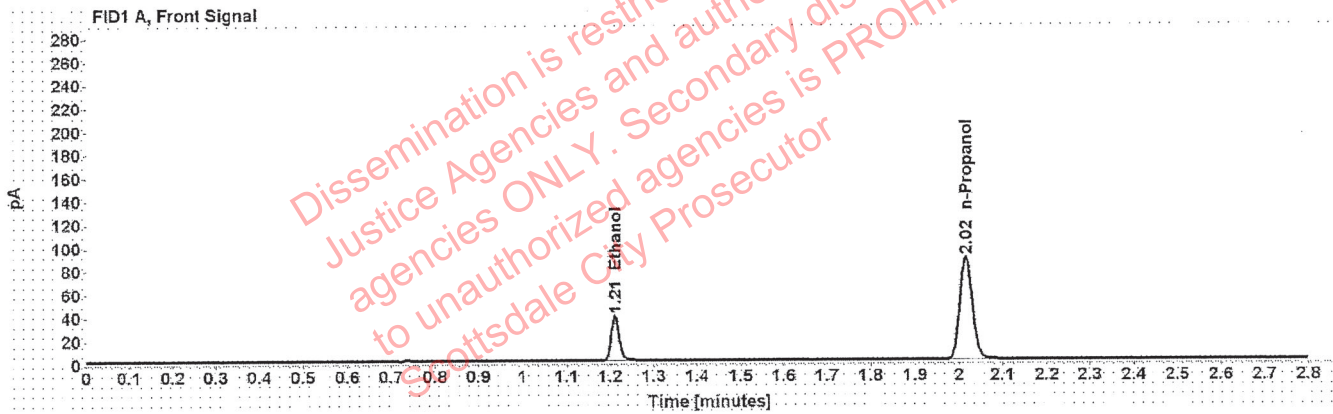


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0805	1.211	49.840
n-Propanol	-----	2.016	176.385

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

Compound	Time (min)	Peak Area
Ethanol	1.375	61.749
n-Propanol	2.467	215.769

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 2:20:35 PM
Data file: C:\Chem32\1\Data\20Oct20\31.D	Analyst: Abbott <i>AB</i>

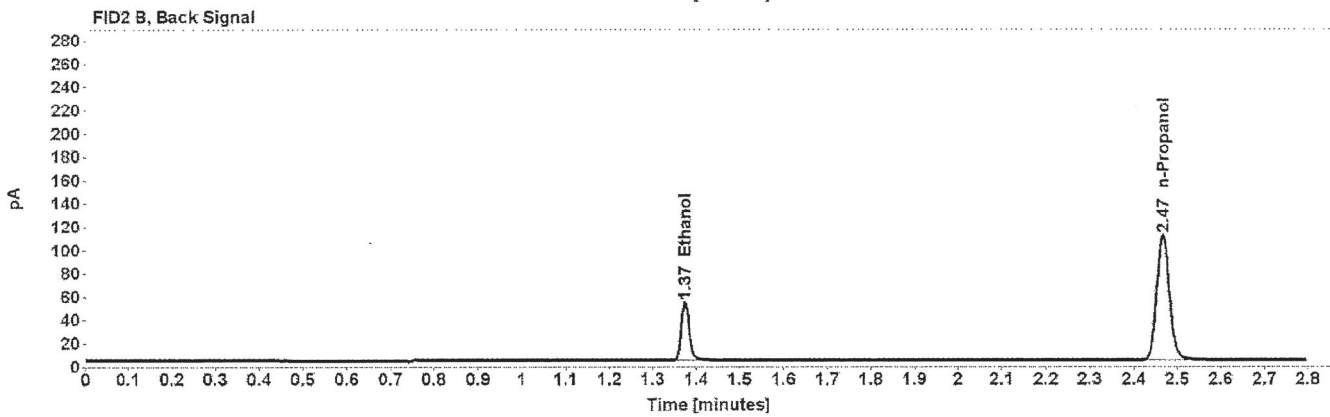
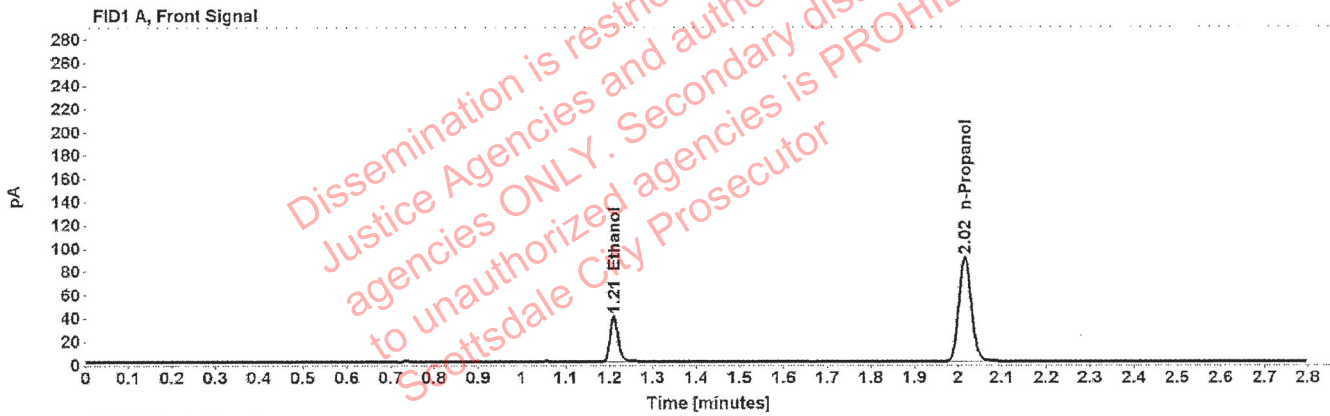


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0805	1.210	50.936
n-Propanol	-----	2.015	180.189

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.019
n-Propanol	2.467	220.293

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 3:04:50 PM
Data file: C:\Chem32\1\Data\20Oct20\42.D	Analyst: Abbott <i>JA</i>

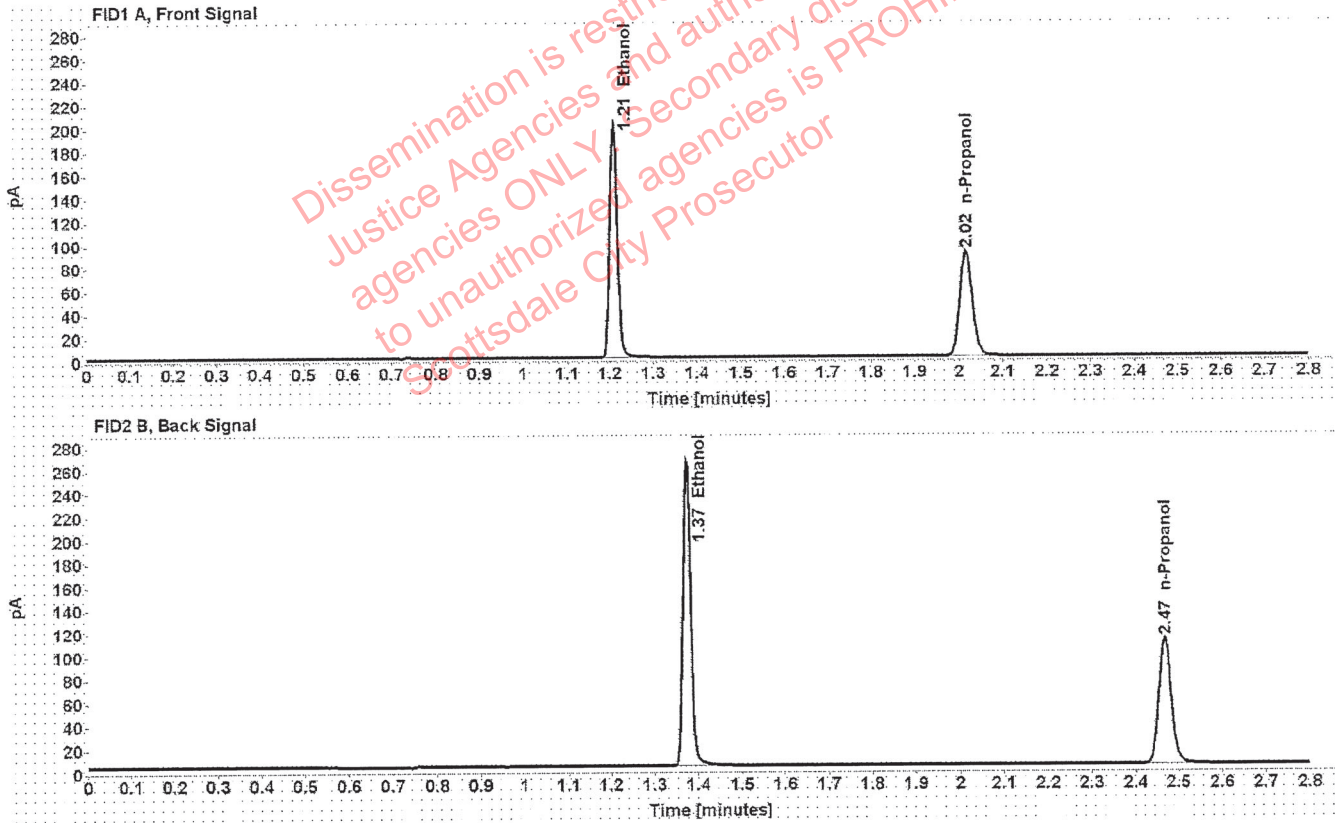


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4050	1.209	259.087
n-Propanol	-----	2.016	180.727

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

Compound	Time (min)	Peak Area
Ethanol	1.374	323.972
n-Propanol	2.467	221.821

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	43
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 3:09:05 PM
Data file:	C:\Chem32\1\Data\20Oct20\43.D	Analyst:	Abbott <i>JA</i>

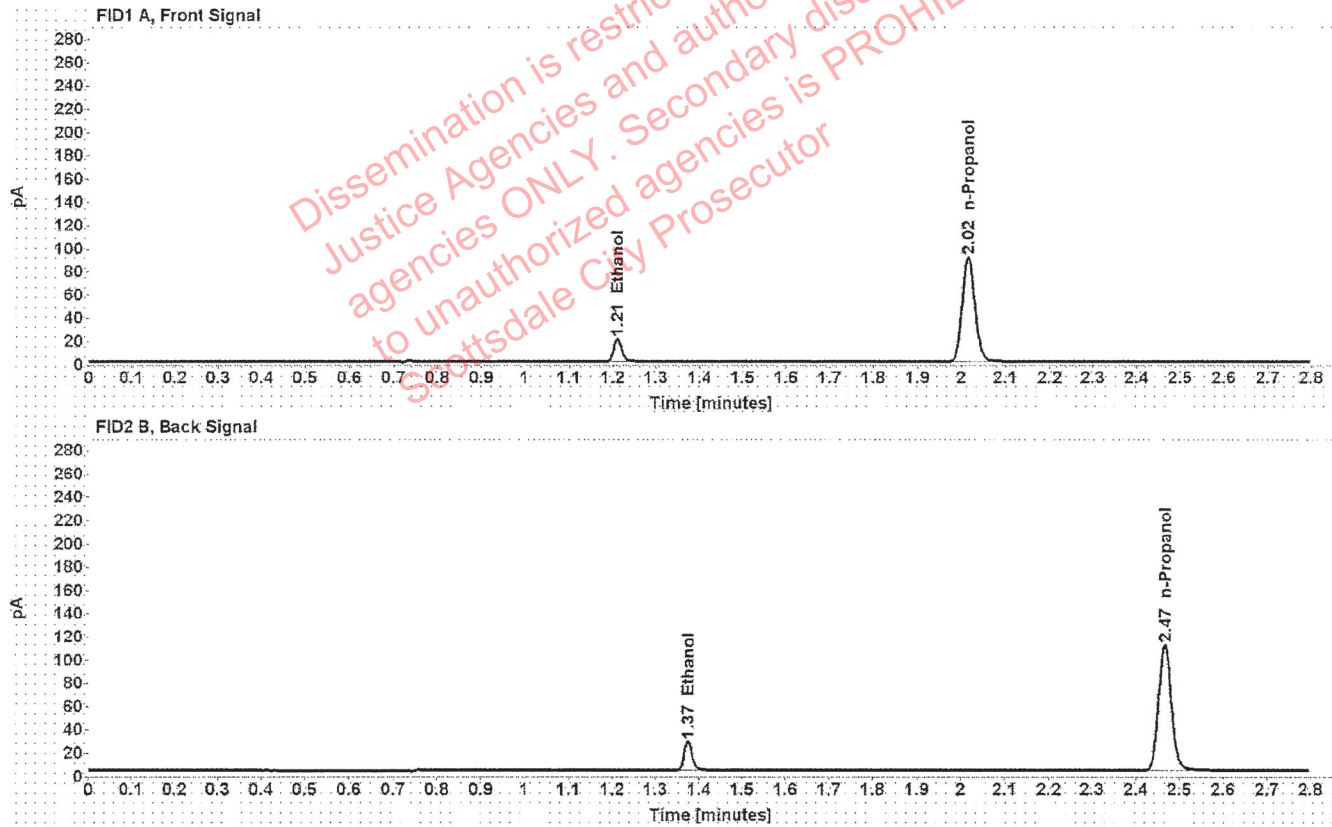


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.211	25.465
n-Propanol	-----	2.015	181.648

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

Compound	Time (min)	Peak Area
Ethanol	1.374	31.578
n-Propanol	2.466	221.922

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 3:13:05 PM
Data file: C:\Chem32\1\Data\20Oct20\44.D	Analyst: Abbott

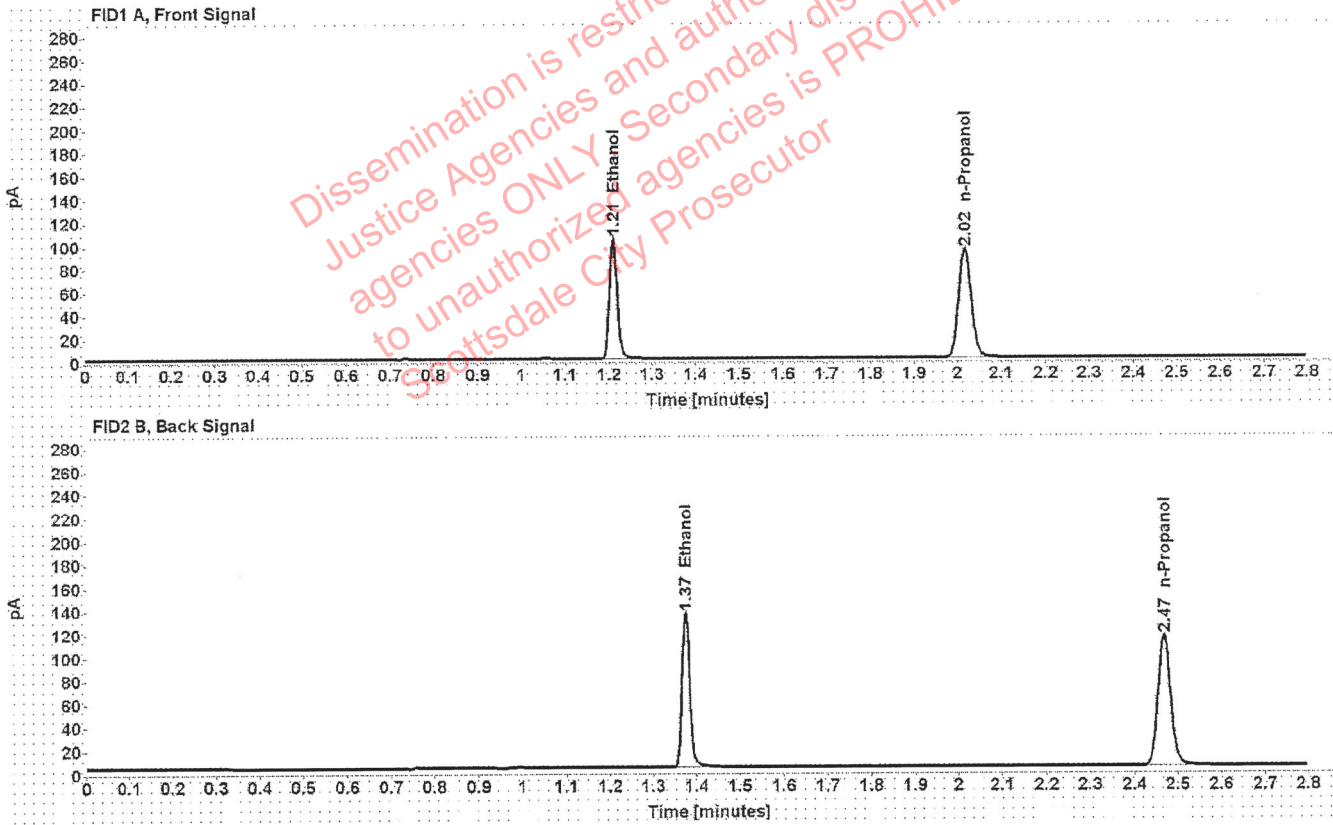


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2001	1.210	132.998
n-Propanol	-----	2.016	188.115

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

Compound	Time (min)	Peak Area
Ethanol	1.375	166.370
n-Propanol	2.468	230.321

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 20Oct20
Instrument: US14173023 CN14160045	Injection date: 10/20/2020 3:17:05 PM
Data file: C:\Chem32\1\Data\20Oct20\45.D	Analyst: Abbott <i>Abbott</i>

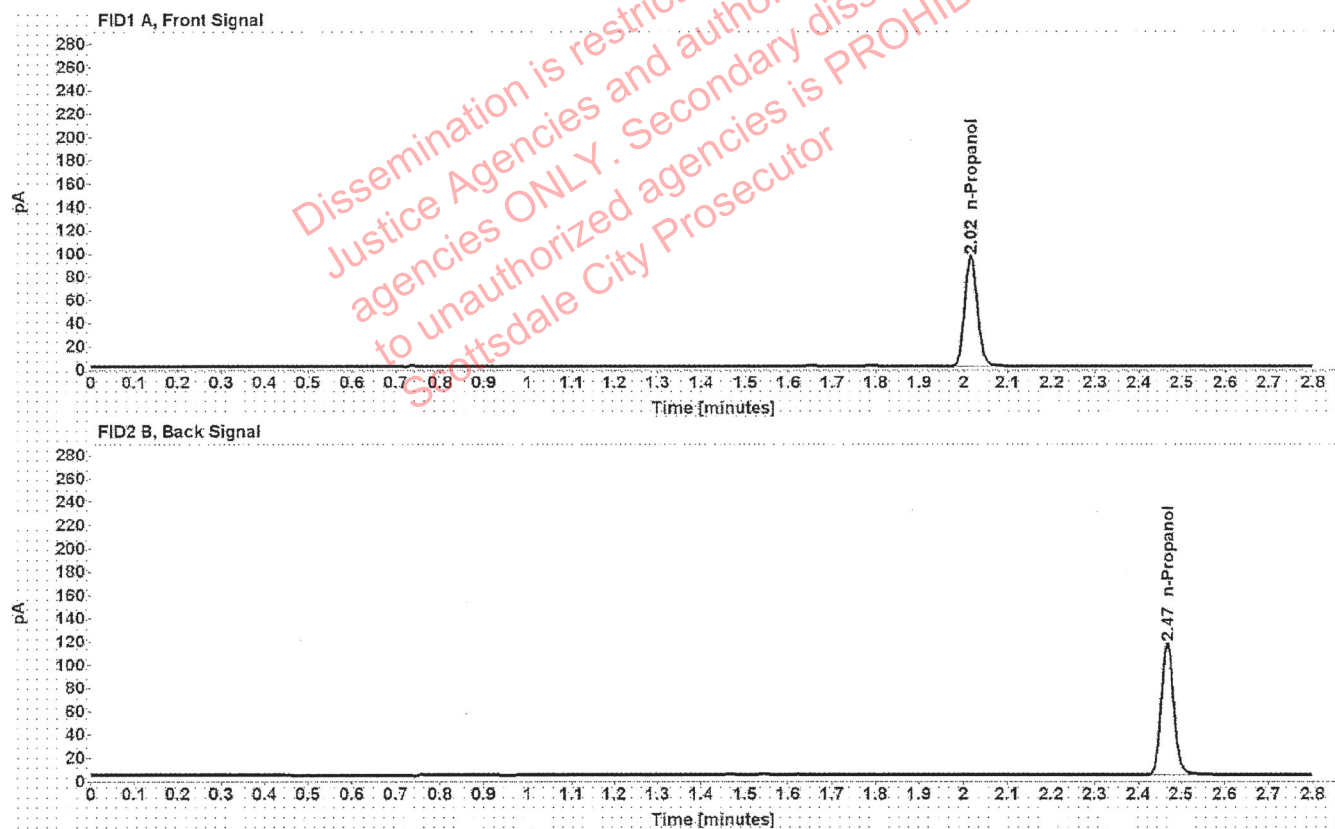


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	189.436

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	231.752

Sequence Summary

Sequence name: 20Oct20 Instrument: US14173023 CN14160045 Analyst: Abbott

Vial	Sample	Description	Type	LIMS ID	Method
1	FN06141806	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN05101903	0.200 calibrator	Calibration		ethanol quant.M
4	FN10051906	0.400 calibrator	Calibration		ethanol quant.M
5	071420AQ	Negative	Control		ethanol quant.M
6	070819MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	34001DS		Sample		ethanol quant.M
11	34001DS		Sample		ethanol quant.M
12	35501VT		Sample		ethanol quant.M
13	35501VT		Sample		ethanol quant.M
14	35901BG		Sample		ethanol quant.M
15	35901BG		Sample		ethanol quant.M
16	38001DJ		Sample		ethanol quant.M
17	38001DJ		Sample		ethanol quant.M
18	37401MG		Sample		ethanol quant.M
19	37401MG		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	34001DY		Sample		ethanol quant.M
22	34001DY		Sample		ethanol quant.M
23	34401EK		Sample		ethanol quant.M
24	34401EK		Sample		ethanol quant.M
25	34001AD		Sample		ethanol quant.M
26	34001AD		Sample		ethanol quant.M
27	1341283		Sample		ethanol quant.M
28	1341283		Sample		ethanol quant.M
29	1341314		Sample		ethanol quant.M
30	1341314		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1341710		Sample		ethanol quant.M
33	1341710		Sample		ethanol quant.M
34	1321826		Sample		ethanol quant.M
35	1321826		Sample		ethanol quant.M
36	1342484		Sample		ethanol quant.M
37	1342484		Sample		ethanol quant.M
38	1342344		Sample		ethanol quant.M
39	1342344		Sample		ethanol quant.M
40	1342469		Sample		ethanol quant.M
41	1342469		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 20Oct20

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1129	0.1124	0.11265	0.22	0.00025
12 13	0.1799	0.1813	0.18060	0.39	0.00070
14 15	0.1108	0.1108	0.11080	0.00	0.00000
16 17	0.3424	0.3434	0.34290	0.15	0.00050
18 19	0.1377	0.1371	0.13740	0.22	0.00030
21 22	0.2187	0.2177	0.21820	0.23	0.00050
23 24	0.2234	0.2252	0.22430	0.40	0.00090
25 26	0.1799	0.1786	0.17925	0.36	0.00065
27 28	0.2233	0.2213	0.22230	0.45	0.00100
29 30	0.1778	0.1789	0.17835	0.31	0.00055
32 33	0.1582	0.1563	0.15725	0.60	0.00095
34 35	0.2231	0.2208	0.22195	0.52	0.00115
36 37	0.1309	0.1301	0.13050	0.31	0.00040
38 39	0.1407	0.1426	0.14165	0.67	0.00095
40 41	0.1672	0.1679	0.16755	0.21	0.00035

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

Scottsdale Forensic Lab

Blood Alcohol Pipetting Log

ANALYST: Abbott 

SEQUENCE: 20Oct20

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	34001DS	34001DS	34001DS	Yes
Vials 12 and 13	35501VT	35501VT	35501VT	Yes
Vials 14 and 15	35901BG	35901BG	35901BG	Yes
Vials 16 and 17	38001DJ	38001DJ	38001DJ	Yes
Vials 18 and 19	37401MG	37401MG	37401MG	Yes
Vials 21 and 22	34001DY	34001DY	34001DY	Yes
Vials 23 and 24	34401EK	34401EK	34401EK	Yes
Vials 25 and 26	34001AD	34001AD	34001AD	Yes
Vials 27 and 28	1341283	1341283	1341283	Yes
Vials 29 and 30	1341314	1341314	1341314	Yes
Vials 32 and 33	1341710	1341710	1341710	Yes
Vials 34 and 35	1321826	1321826	1321826	Yes
Vials 36 and 37	1342484	1342484	1342484	Yes
Vials 38 and 39	1342344	1342344	1342344	Yes
Vials 40 and 41	1342469	1342469	1342469	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001DS	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 12:55:36 PM
Data file:	C:\Chem32\1\Data\20Oct20\10.D	Analyst:	Abbott

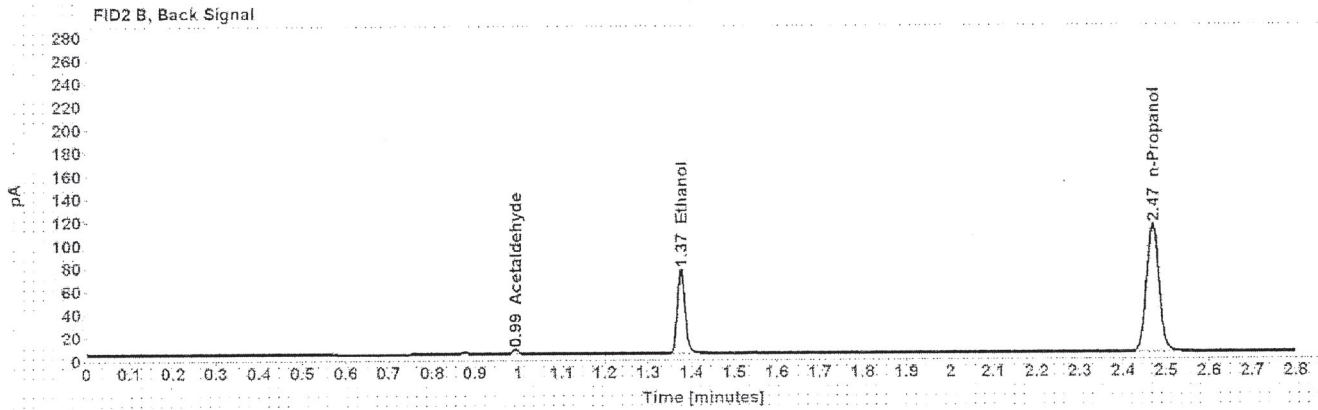
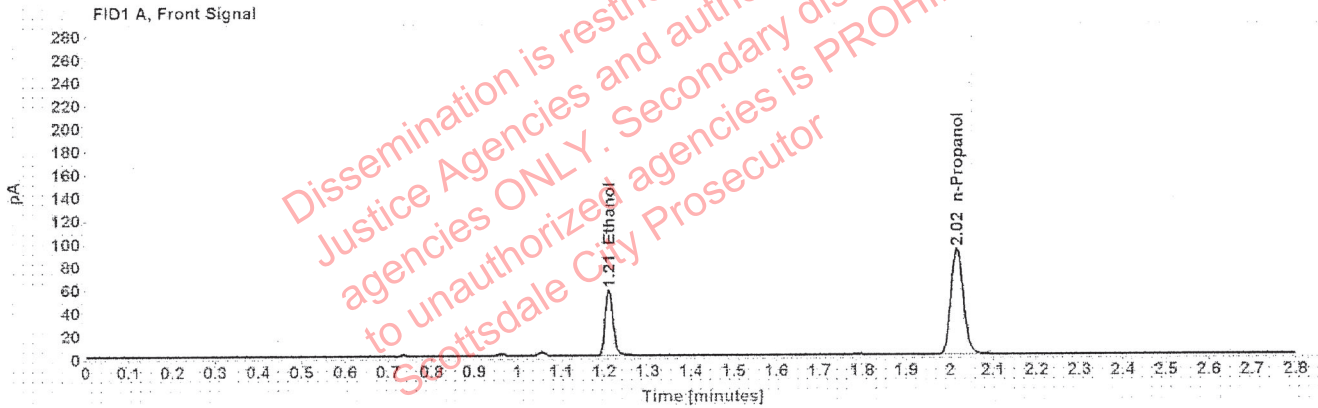


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1129	1.210	73.174
n-Propanol	-----	2.016	184.094

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.884
Ethanol	1.375	90.866
n-Propanol	2.468	225.944

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001DS	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 12:59:37 PM
Data file:	C:\Chem321\1\Data\20Oct20\11.D	Analyst:	Abbott

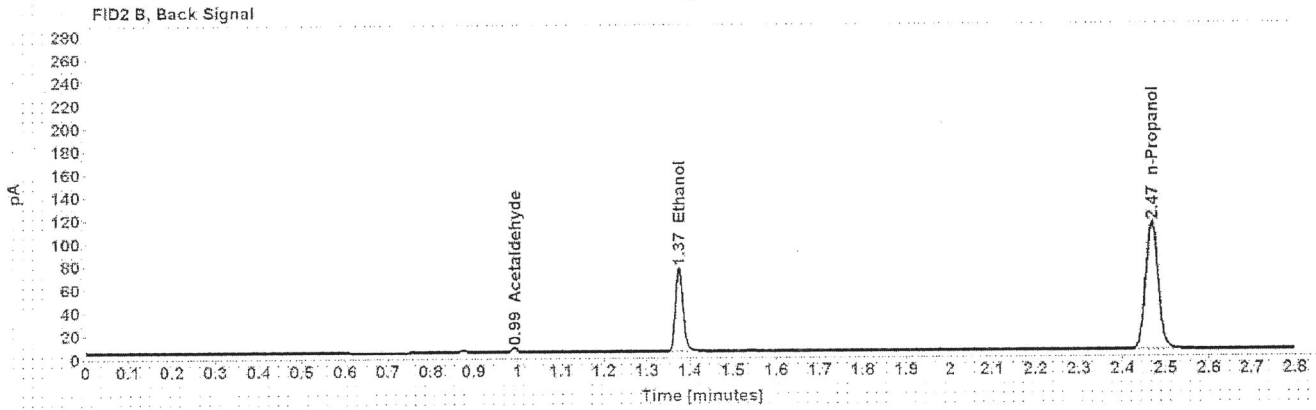
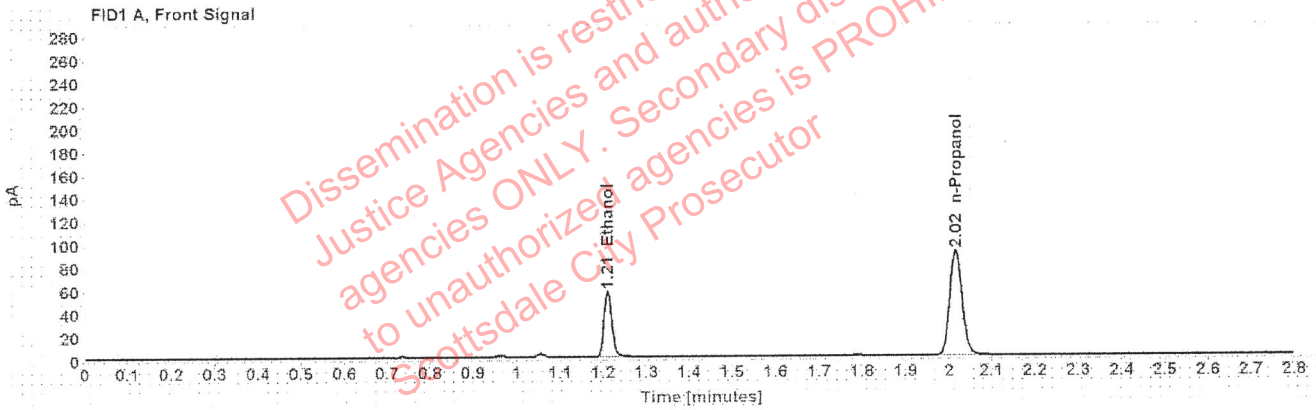


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1124	1.210	72.232
n-Propanol	-----	2.016	182.570

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.780
Ethanol	1.375	89.700
n-Propanol	2.468	223.861

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35501VT	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:03:37 PM
Data file:	C:\Chem32\1\Data\20Oct20\12.D	Analyst:	Abbott

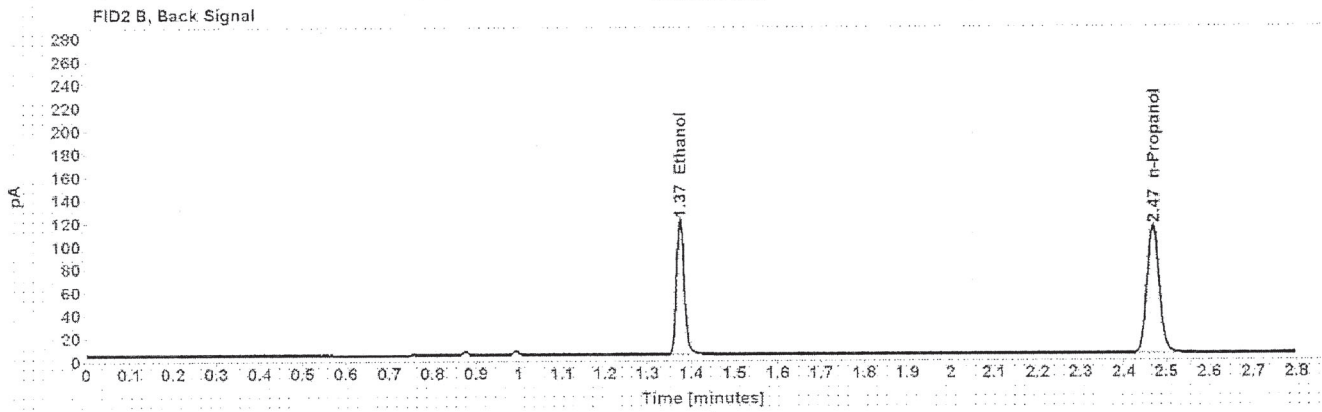
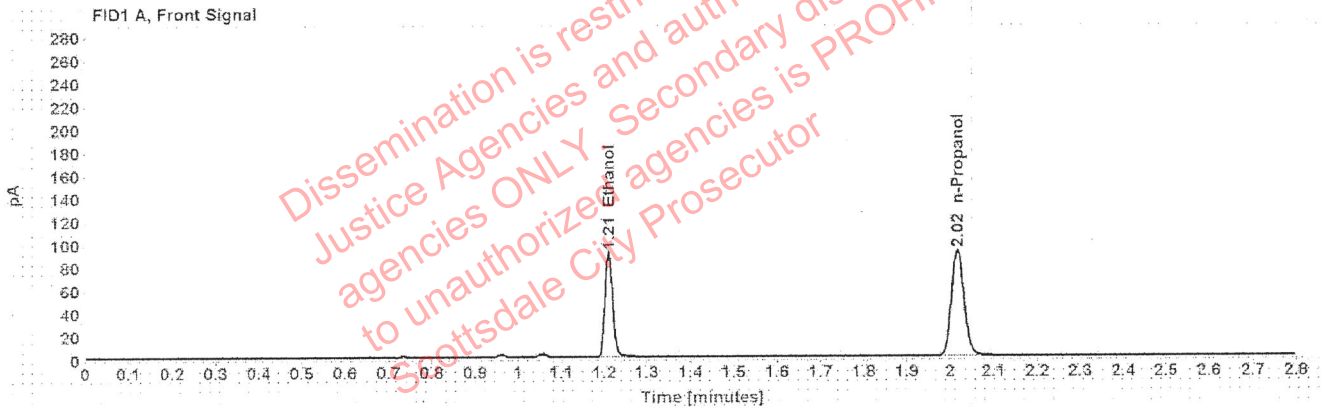


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1799	1.210	116.538
n-Propanol	-----	2.016	183.417

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

Compound	Time (min)	Peak Area
Ethanol	1.375	146.871
n-Propanol	2.468	225.348

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35501VT	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:07:51 PM
Data file:	C:\Chem32\1\Data\20Oct20\13.D	Analyst:	Abbott

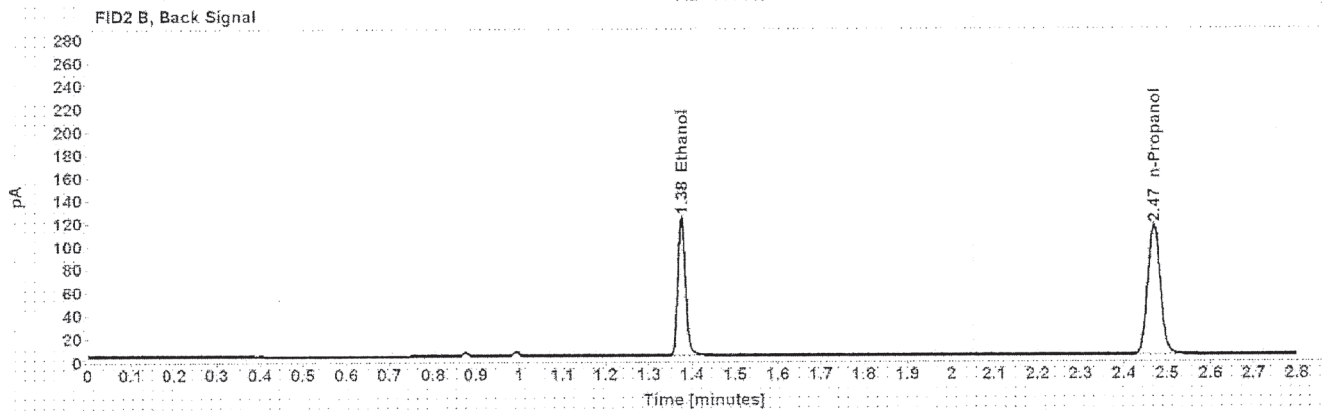
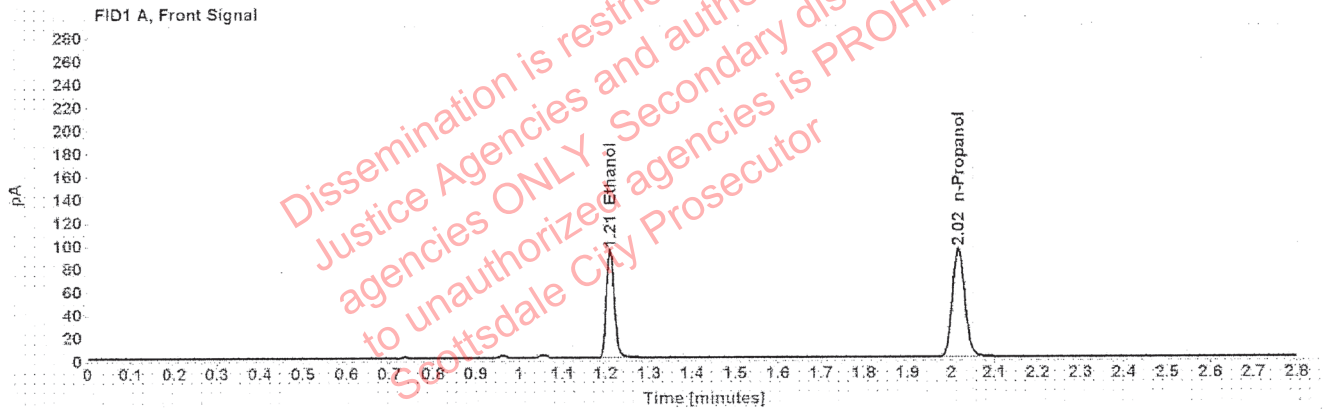


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1813	1.210	120.019
n-Propanol	-----	2.017	187.492

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

Compound	Time (min)	Peak Area
Ethanol	1.375	150.945
n-Propanol	2.469	230.206

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35901BG	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:11:51 PM
Data file:	C:\Chem32\1\Data\20Oct20\14.D	Analyst:	Abbott

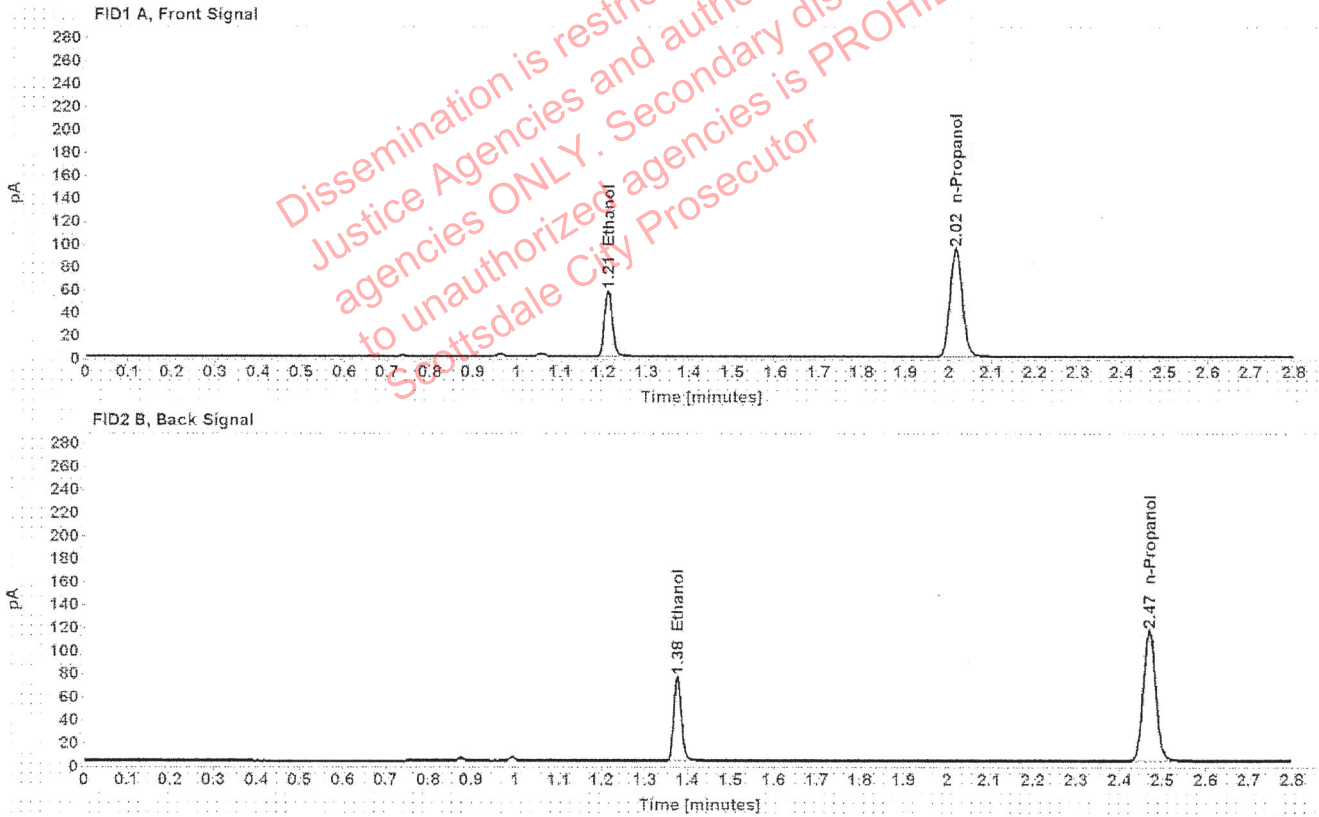


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1108	1.211	73.575
n-Propanol	-----	2.017	188.509

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

Compound	Time (min)	Peak Area
Ethanol	1.376	91.339
n-Propanol	2.468	230.792

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	35901BG	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:15:51 PM
Data file:	C:\Chem32\1\Data\20Oct20\15.D	Analyst:	Abbott

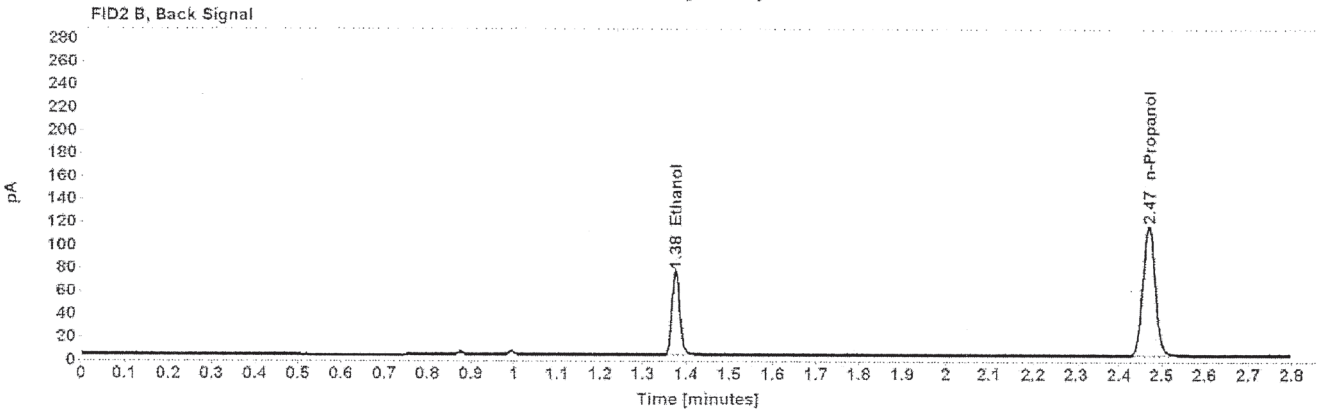
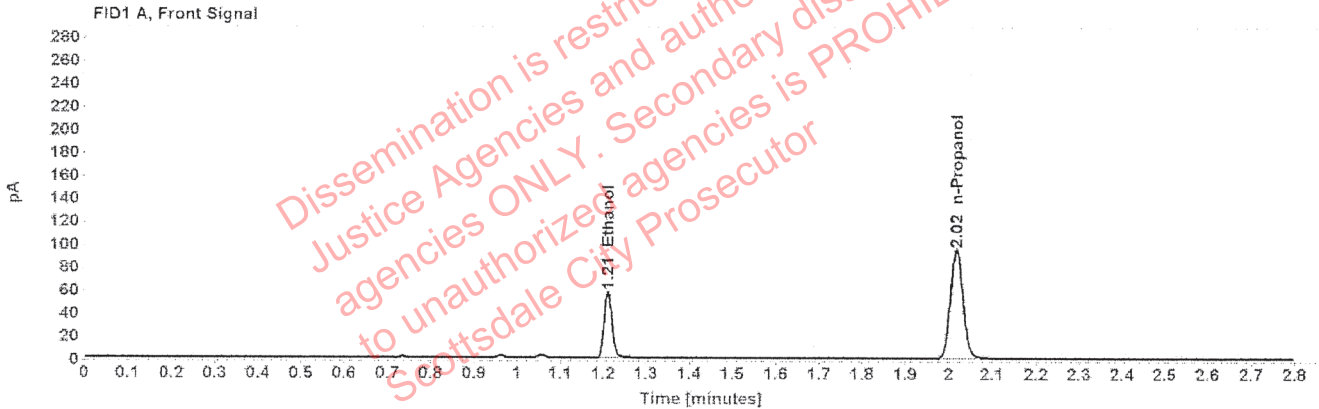


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1108	1.211	73.653
n-Propanol	-----	2.016	188.706

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

Compound	Time (min)	Peak Area
Ethanol	1.375	91.509
n-Propanol	2.468	231.241

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38001DJ	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:19:51 PM
Data file:	C:\Chem32\1\Data\20Oct20\16.D	Analyst:	Abbott

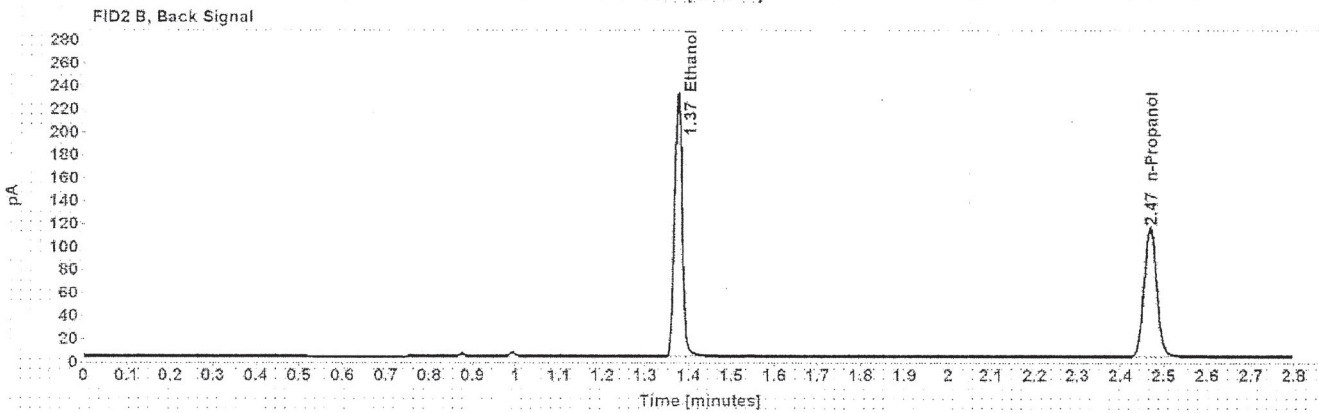
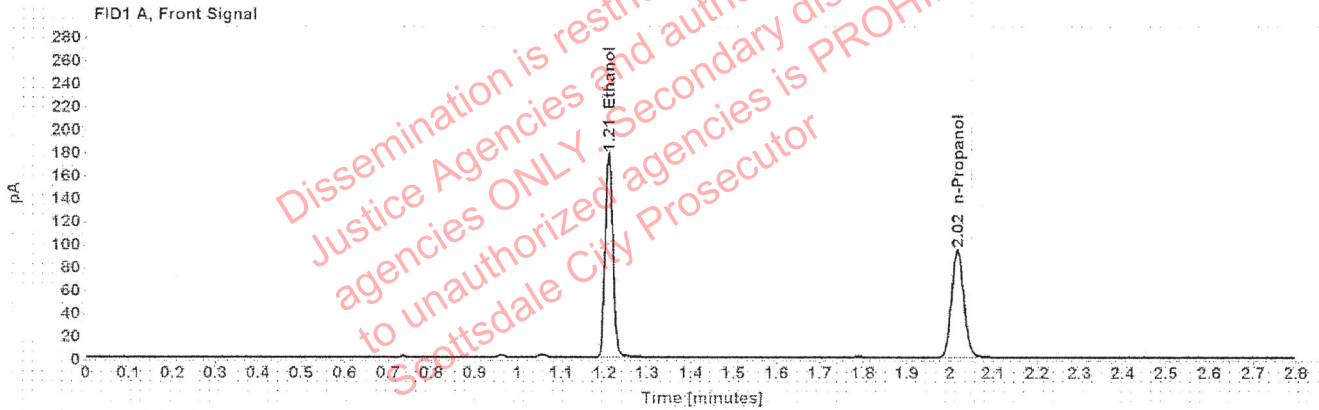


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3424	1.209	226.384
n-Propanol	-----	2.016	186.836

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

Compound	Time (min)	Peak Area
Ethanol	1.374	283.339
n-Propanol	2.468	228.430

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38001DJ	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:23:50 PM
Data file:	C:\Chem32\1\Data\20Oct20\17.D	Analyst:	Abbott

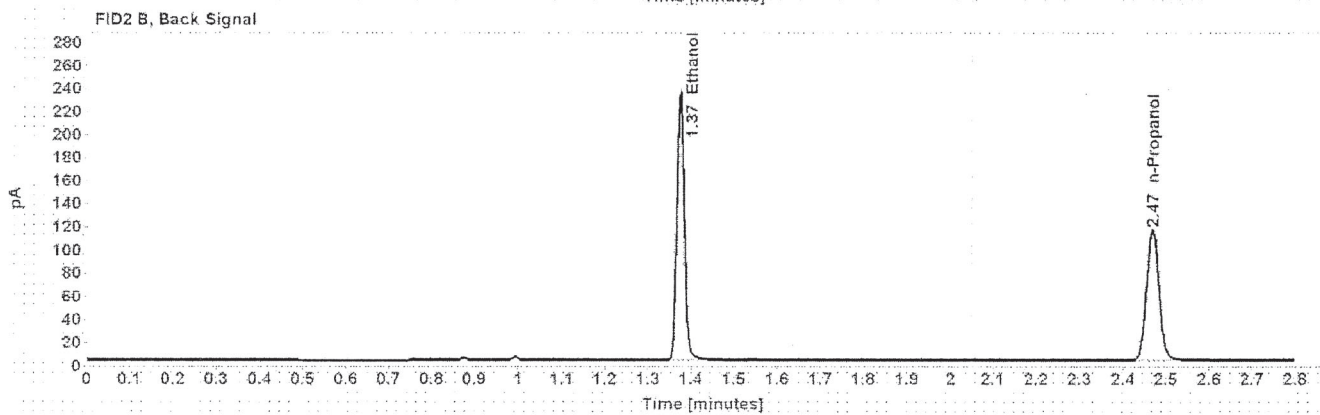
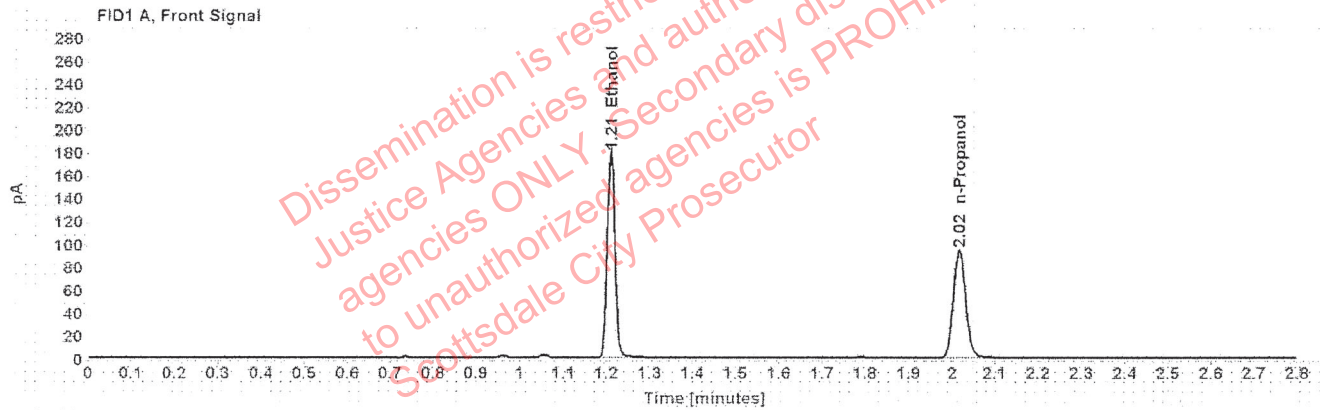


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3434	1.210	228.744
n-Propanol	-----	2.016	188.254

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

Compound	Time (min)	Peak Area
Ethanol	1.375	286.118
n-Propanol	2.468	230.241

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401MG	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:27:50 PM
Data file:	C:\Chem32\1\Data\20Oct20\18.D	Analyst:	Abbott

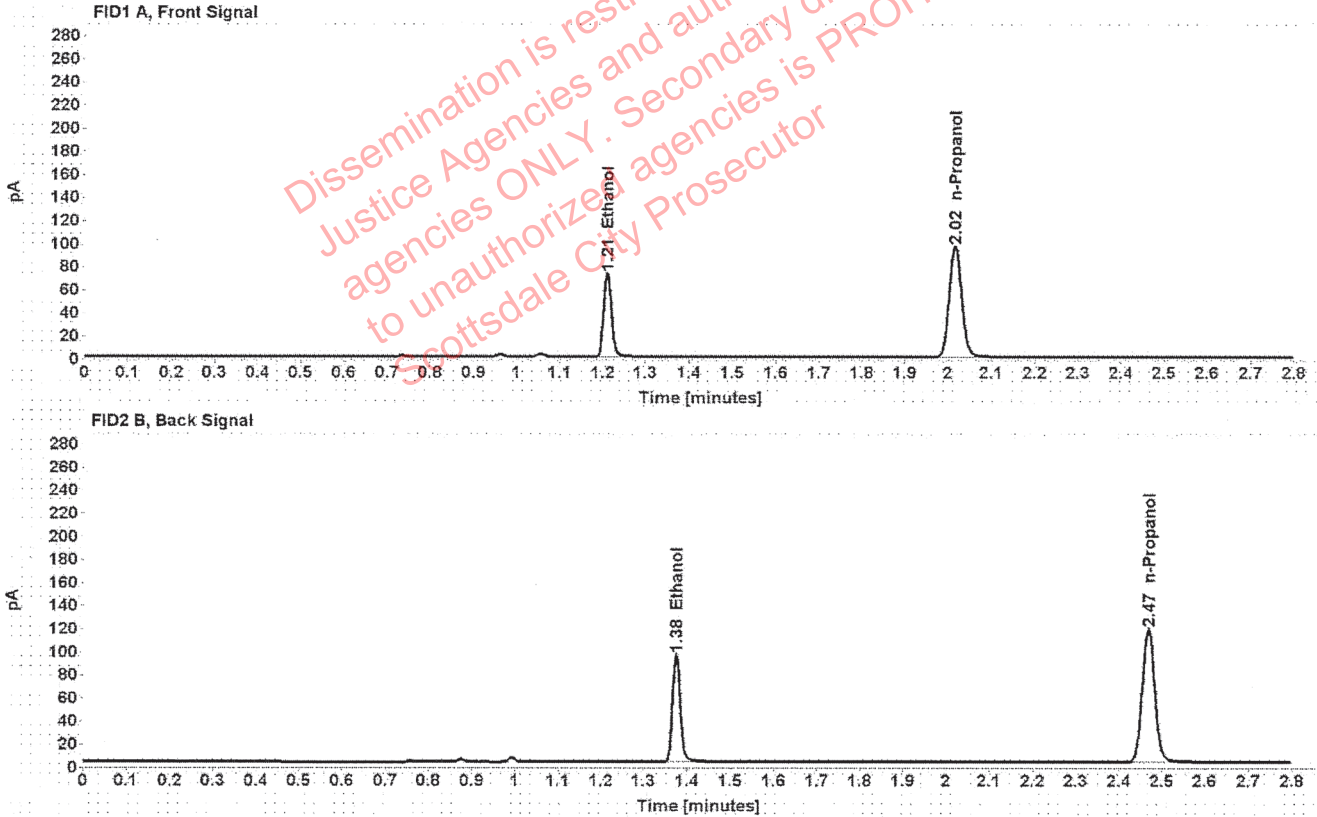


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1377	1.211	92.956
n-Propanol	-----	2.016	191.458

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

Compound	Time (min)	Peak Area
Ethanol	1.375	115.293
n-Propanol	2.468	234.780

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	37401MG	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:32:05 PM
Data file:	C:\Chem32\1\Data\20Oct20\19.D	Analyst:	Abbott

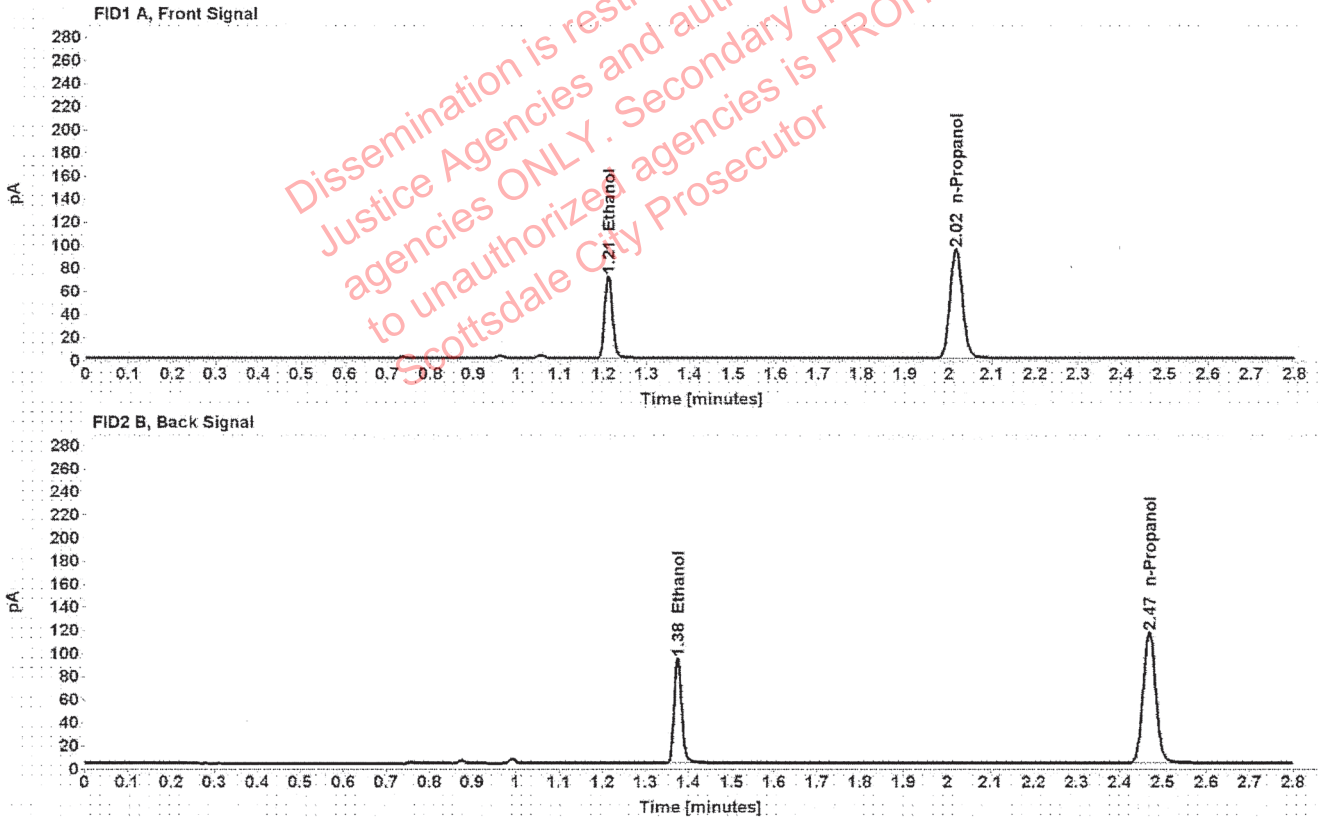


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1371	1.210	91.202
n-Propanol	-----	2.016	188.625

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

Compound	Time (min)	Peak Area
Ethanol	1.375	113.095
n-Propanol	2.468	231.186

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001DY	Vial:	21
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:40:06 PM
Data file:	C:\Chem321\Data\20Oct20\21.D	Analyst:	Abbott

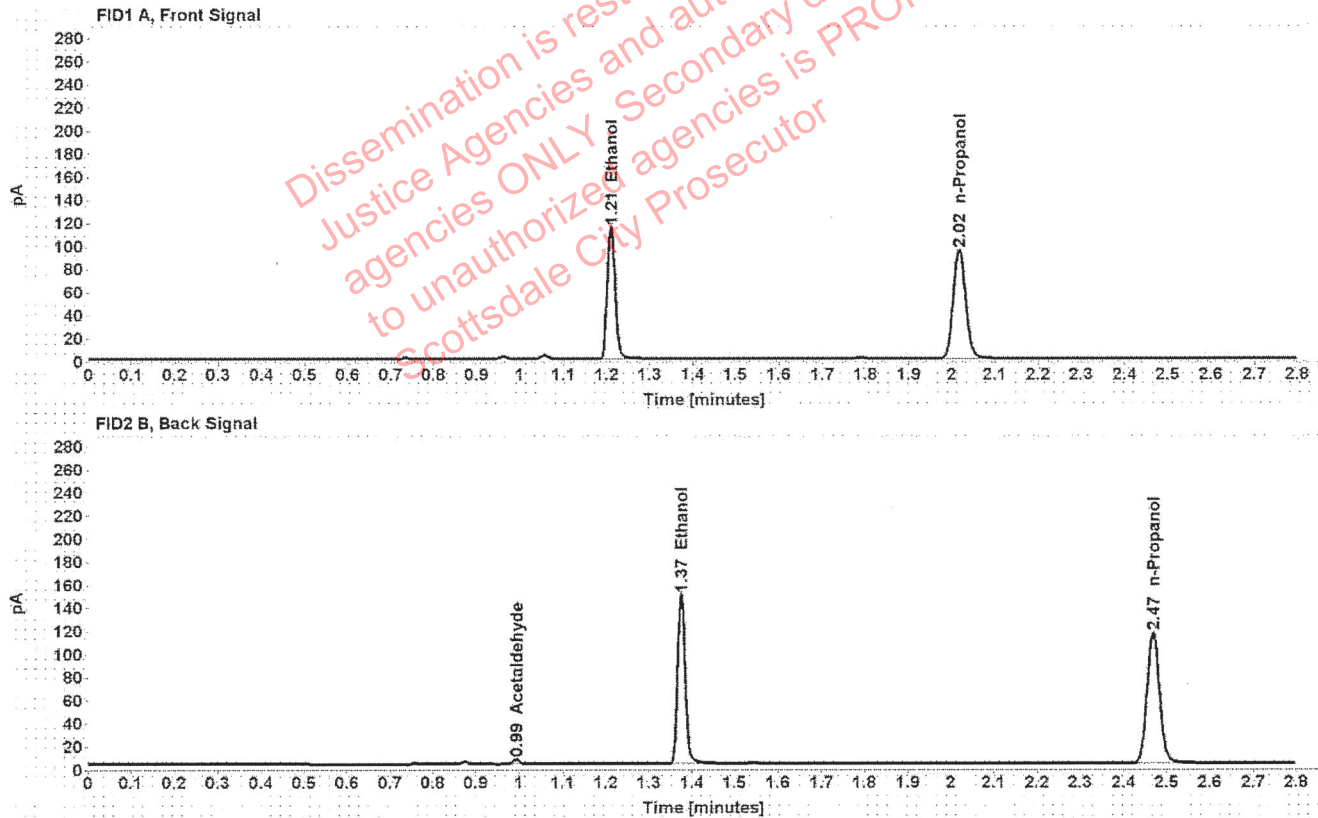


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2187	1.210	145.753
n-Propanol	-----	2.016	188.573

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.931
Ethanol	1.375	182.056
n-Propanol	2.468	231.041

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001DY	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:44:05 PM
Data file:	C:\Chem321\Data\20Oct20\22.D	Analyst:	Abbott

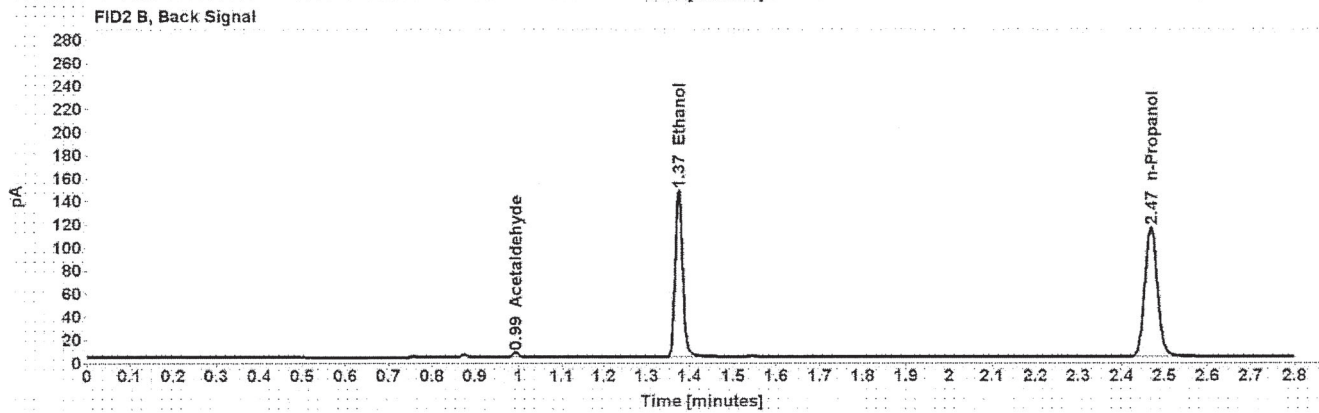
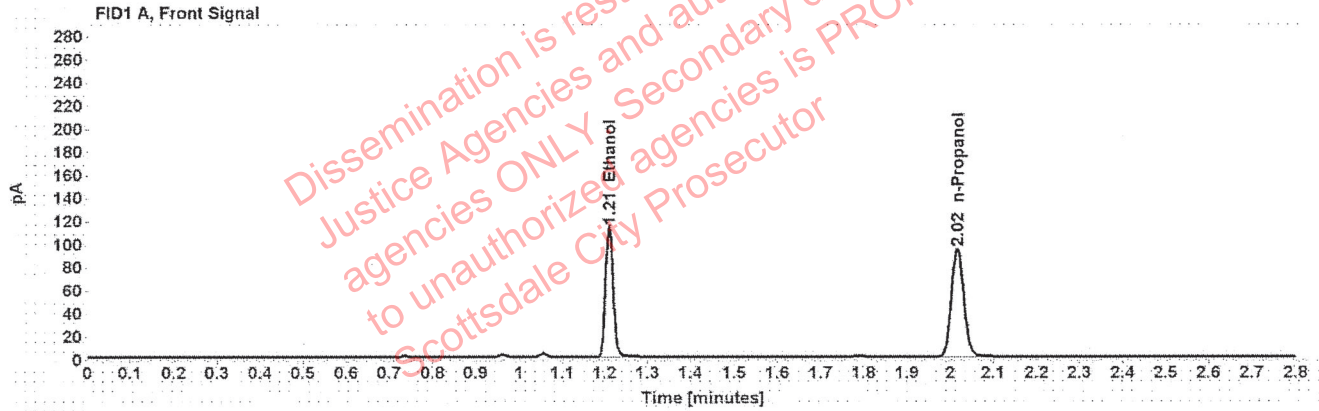


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2177	1.210	143.746
n-Propanol	-----	2.016	186.884

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.932
Ethanol	1.375	179.501
n-Propanol	2.468	229.216

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34401EK	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:48:05 PM
Data file:	C:\Chem32\1\Data\20Oct20\23.D	Analyst:	Abbott

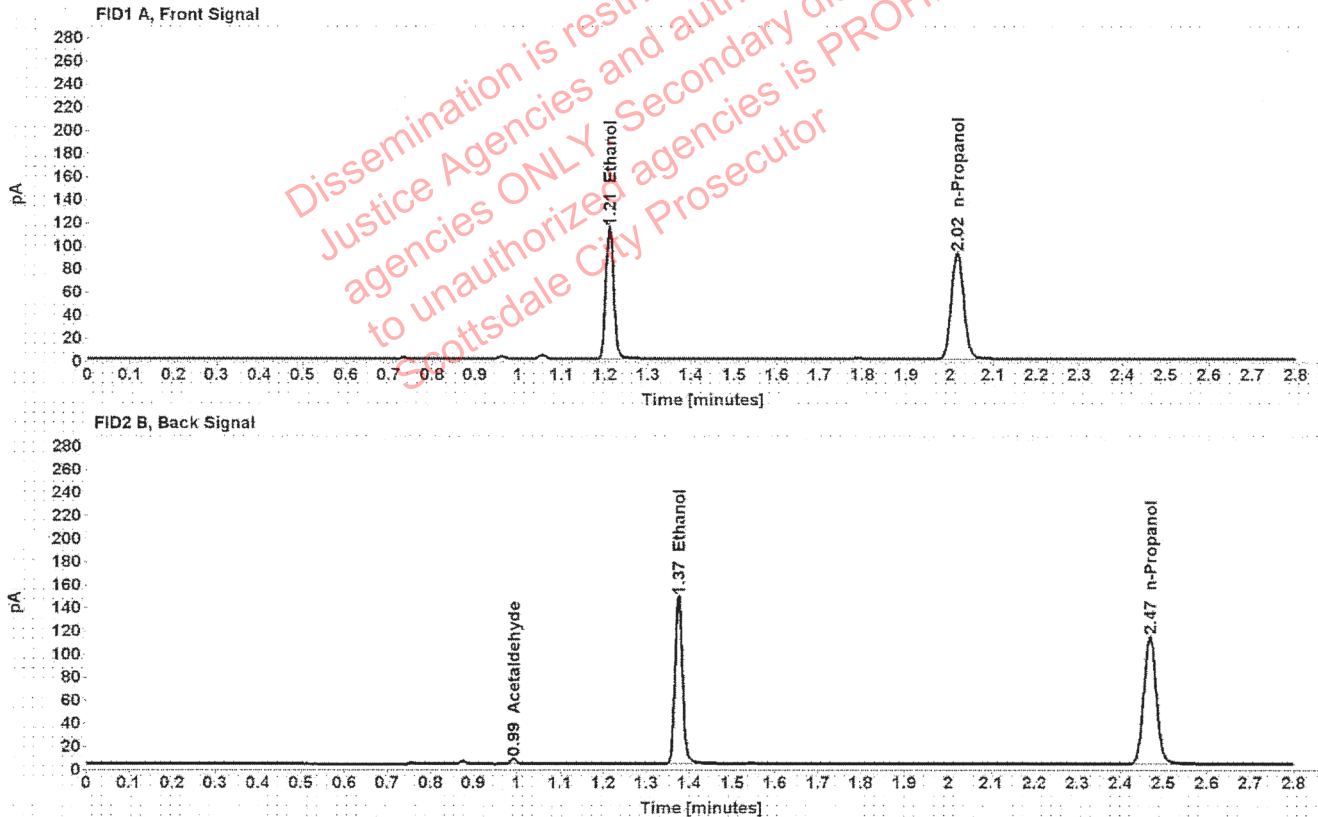


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2234	1.210	144.819
n-Propanol	-----	2.016	183.398

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.293
Ethanol	1.375	180.752
n-Propanol	2.468	224.804

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34401EK	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:52:06 PM
Data file:	C:\Chem32\1\Data\20Oct20\24.D	Analyst:	Abbott

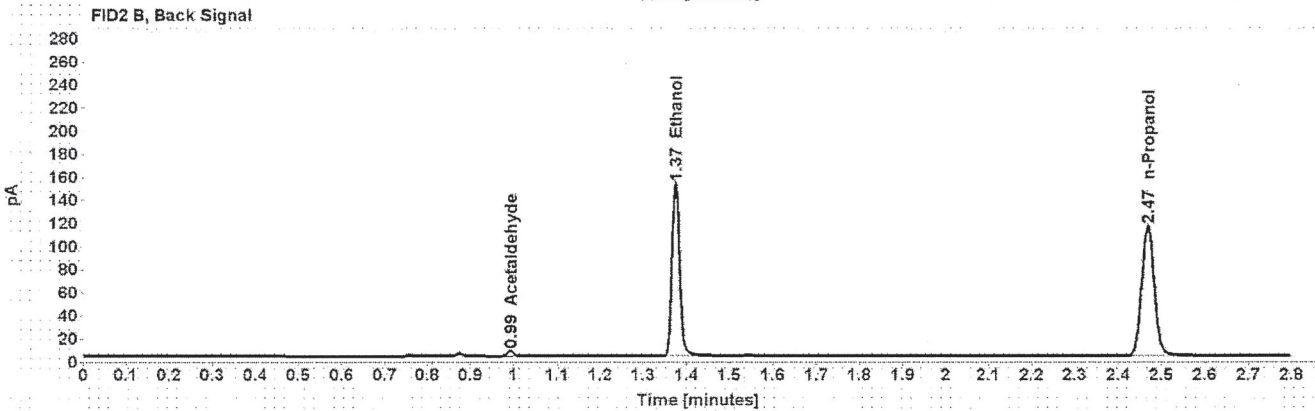
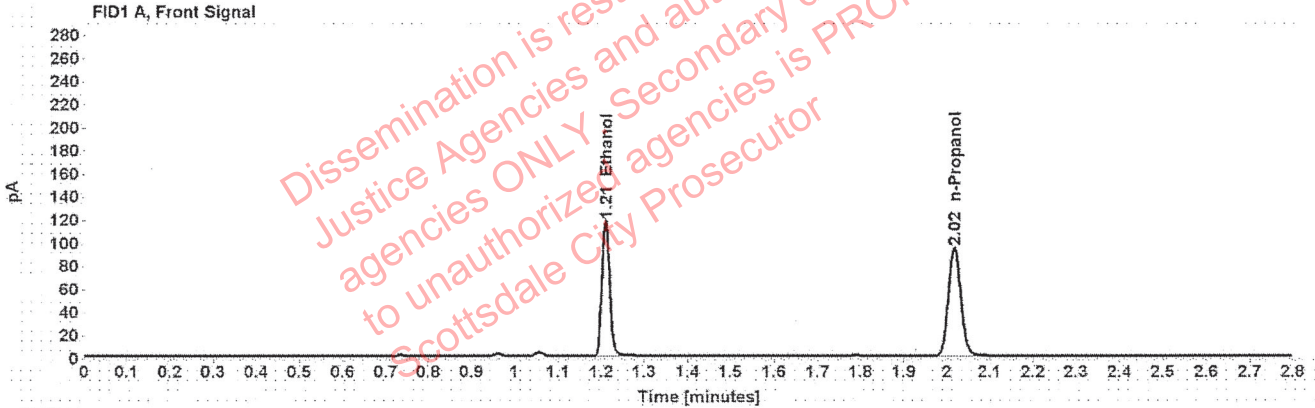


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2252	1.210	148.950
n-Propanol	-----	2.016	187.131

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.310
Ethanol	1.375	185.647
n-Propanol	2.468	229.353

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001AD	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 1:56:20 PM
Data file:	C:\Chem321\Data\20Oct20\25.D	Analyst:	Abbott

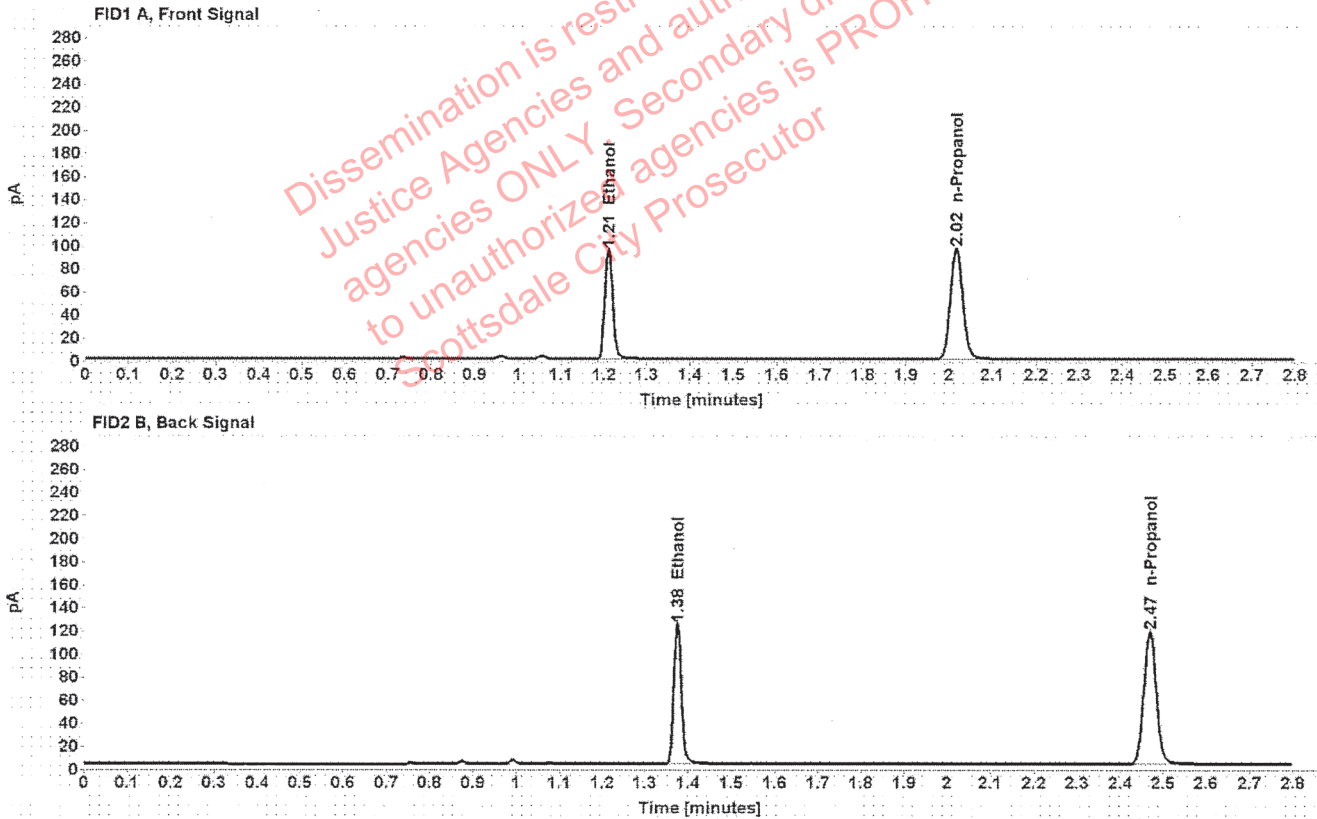


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1799	1.210	121.370
n-Propanol	-----	2.016	191.041

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

Compound	Time (min)	Peak Area
Ethanol	1.375	150.751
n-Propanol	2.468	234.141

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	34001AD	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:00:20 PM
Data file:	C:\Chem321\1\Data\20Oct20\26.D	Analyst:	Abbott

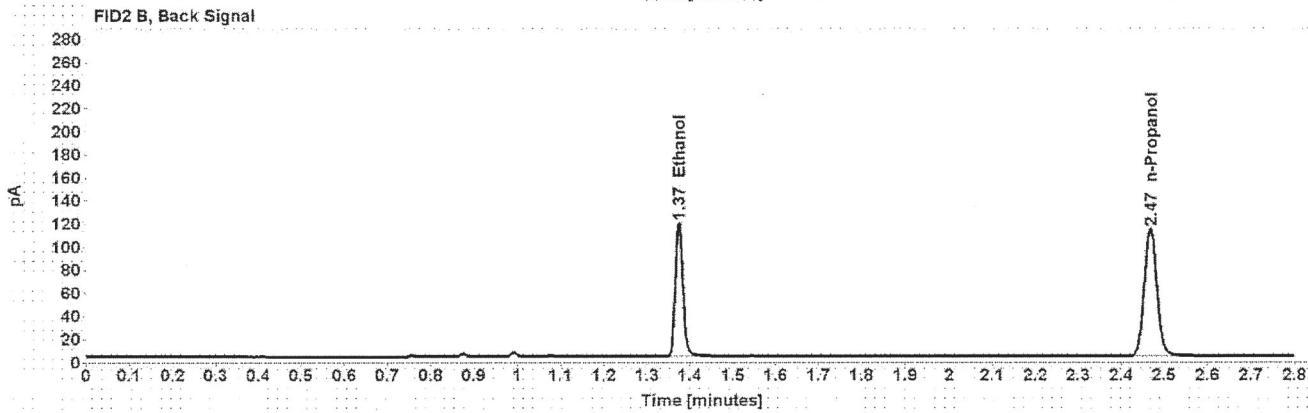
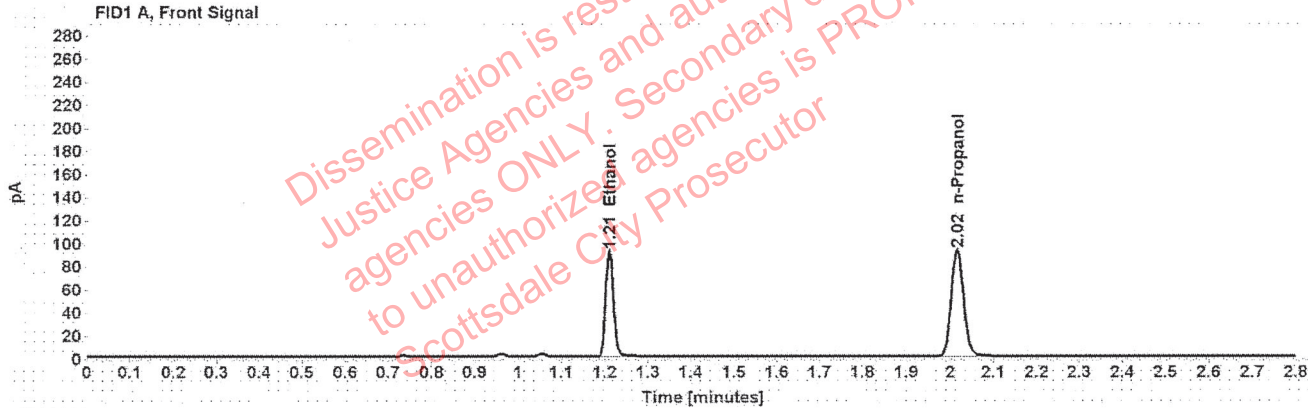


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1786	1.210	116.353
n-Propanol	-----	2.016	184.465

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

Compound	Time (min)	Peak Area
Ethanol	1.375	144.495
n-Propanol	2.468	225.938

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1341283	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:04:20 PM
Data file:	C:\Chem32\1\Data\20Oct20\27.D	Analyst:	Abbott

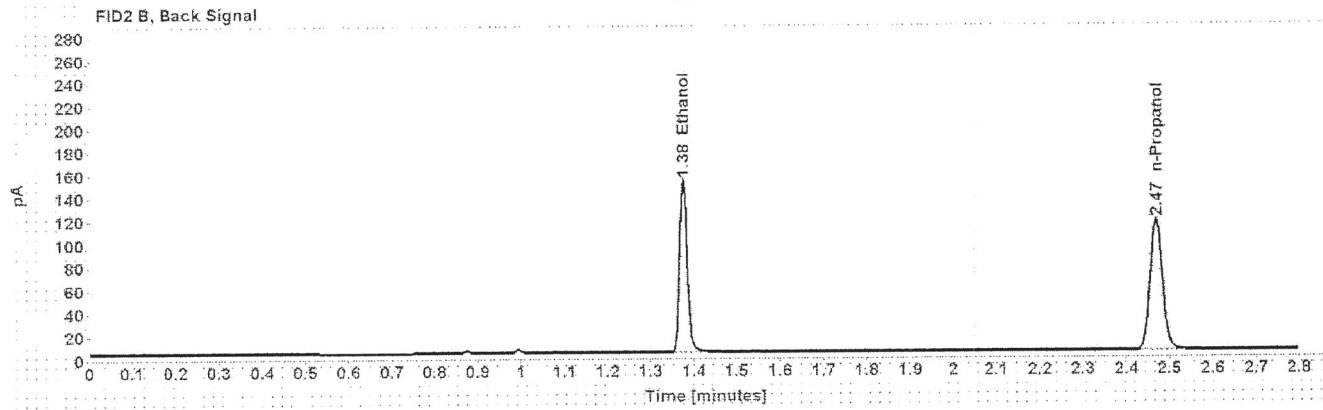
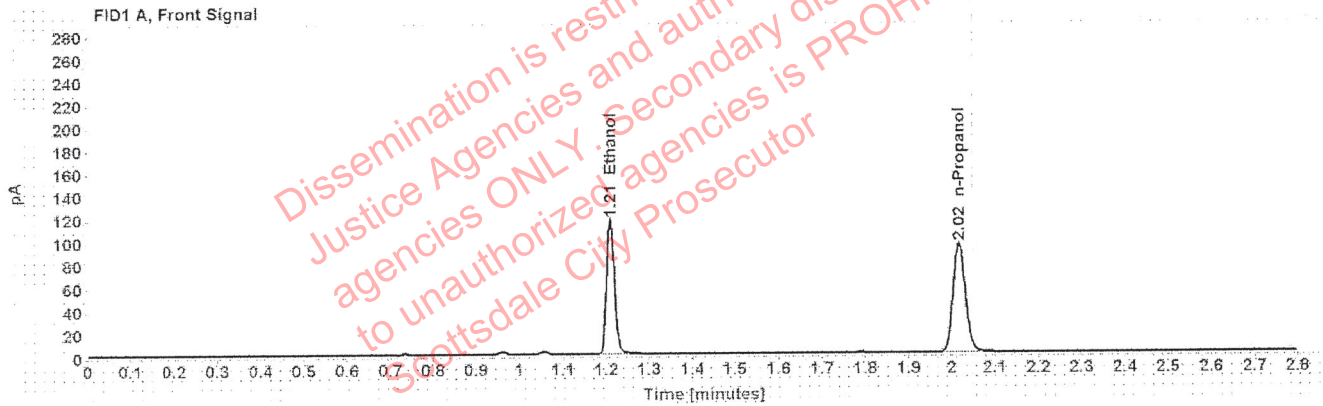


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2233	1.210	149.261
n-Propanol	-----	2.016	189.147

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

Compound	Time (min)	Peak Area
Ethanol	1.375	185.780
n-Propanol	2.468	231.014

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1341283	Vial:	28
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:08:20 PM
Data file:	C:\Chem32\1\Data\20Oct20\28.D	Analyst:	Abbott

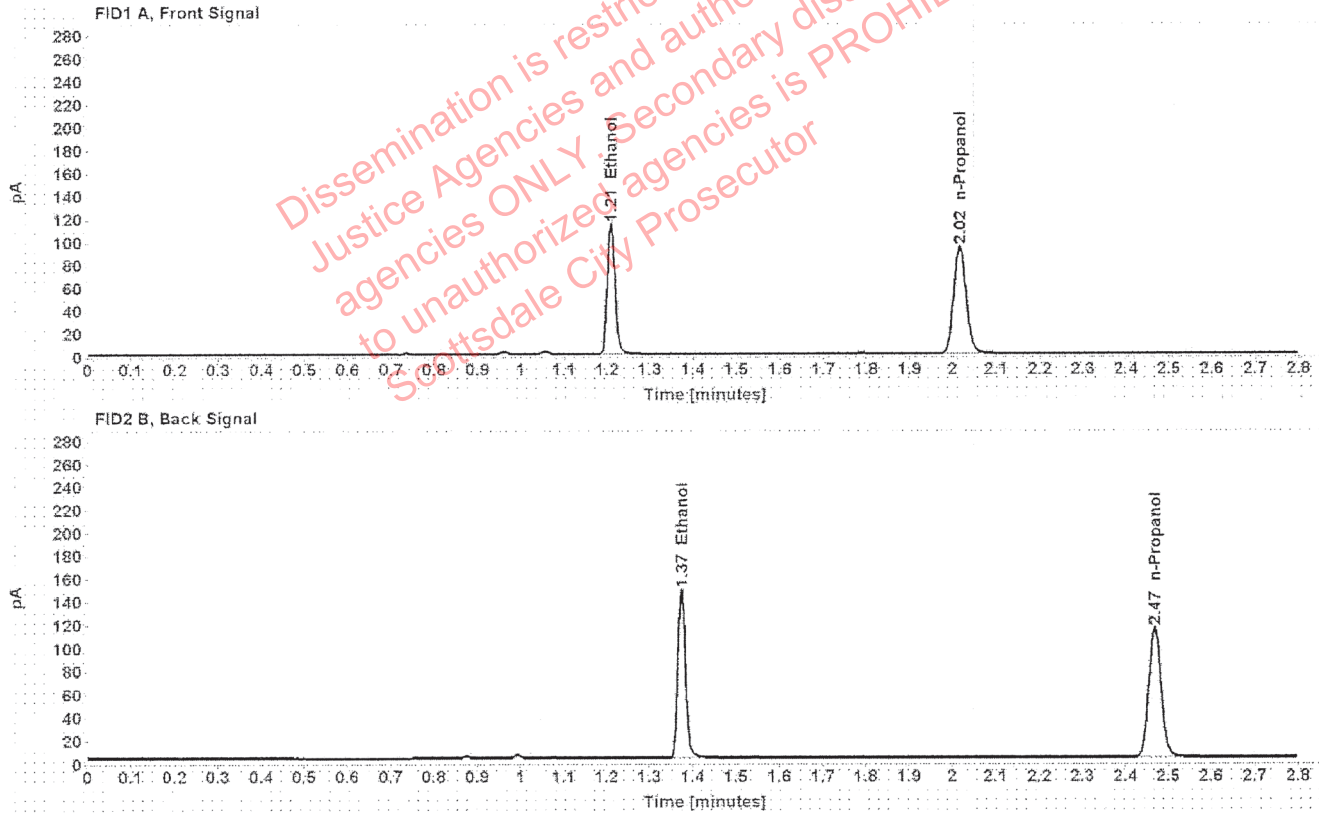


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2213	1.210	145.528
n-Propanol	-----	2.016	186.074

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

Compound	Time (min)	Peak Area
Ethanol	1.374	181.637
n-Propanol	2.467	227.518

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1341314	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:12:20 PM
Data file:	C:\Chem32\1\Data\20Oct20\29.D	Analyst:	Abbott

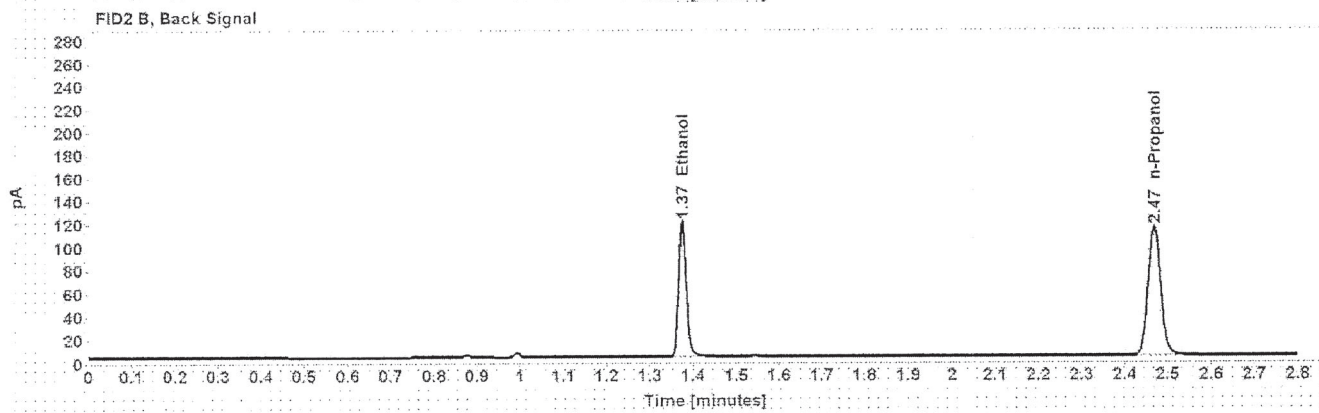
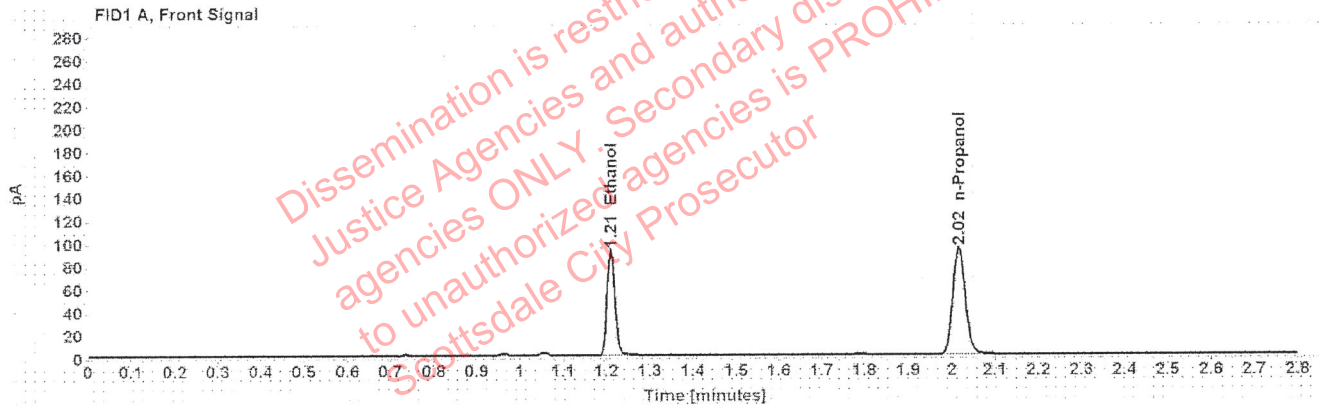


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1778	1.210	117.005
n-Propanol	-----	2.016	186.394

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

Compound	Time (min)	Peak Area
Ethanol	1.375	146.212
n-Propanol	2.468	227.945

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1341314	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:16:21 PM
Data file:	C:\Chem32\1\Data\20Oct20\30.D	Analyst:	Abbott

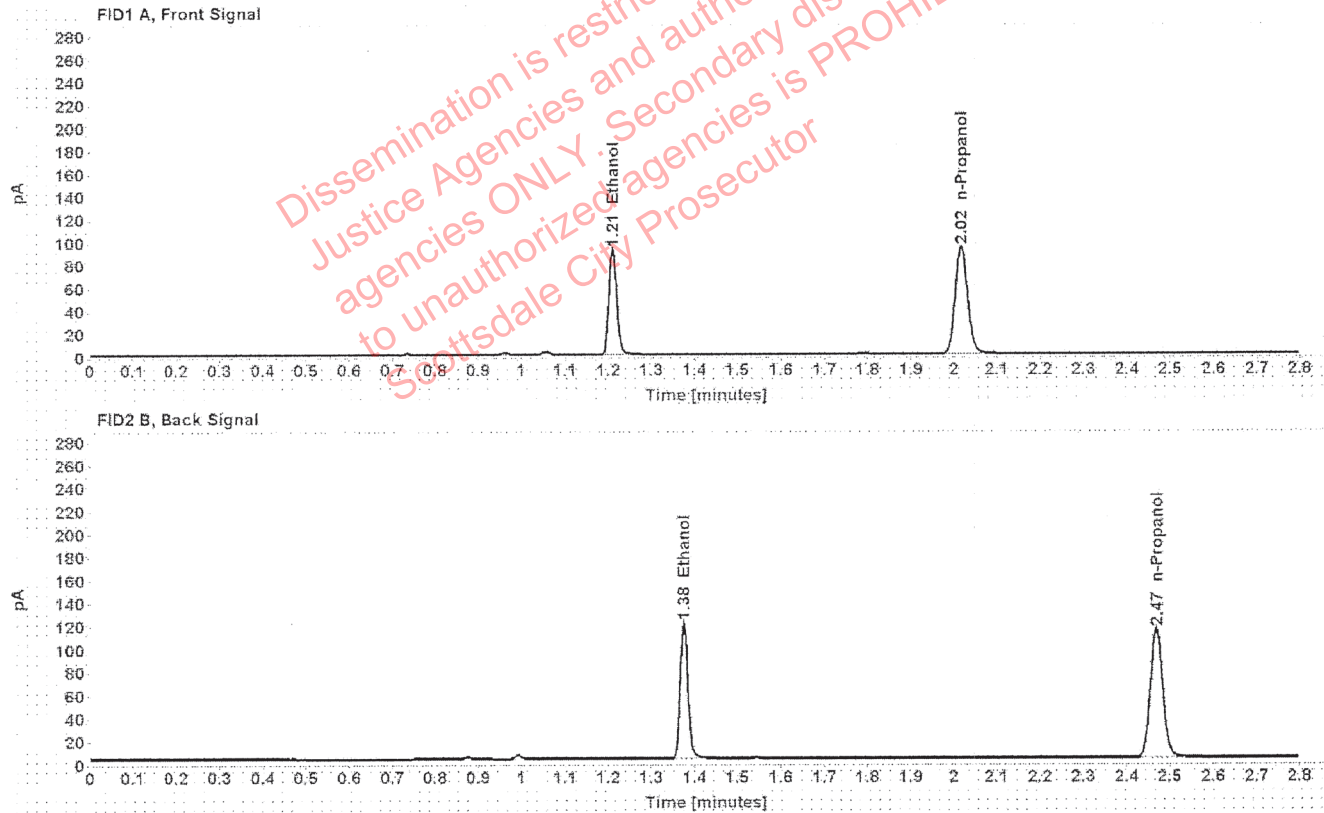


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1789	1.210	118.113
n-Propanol	-----	2.016	187.017

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

Compound	Time (min)	Peak Area
Ethanol	1.375	147.475
n-Propanol	2.468	228.599

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1341710	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:24:36 PM
Data file:	C:\Chem32\1\Data\20Oct20\32.D	Analyst:	Abbott

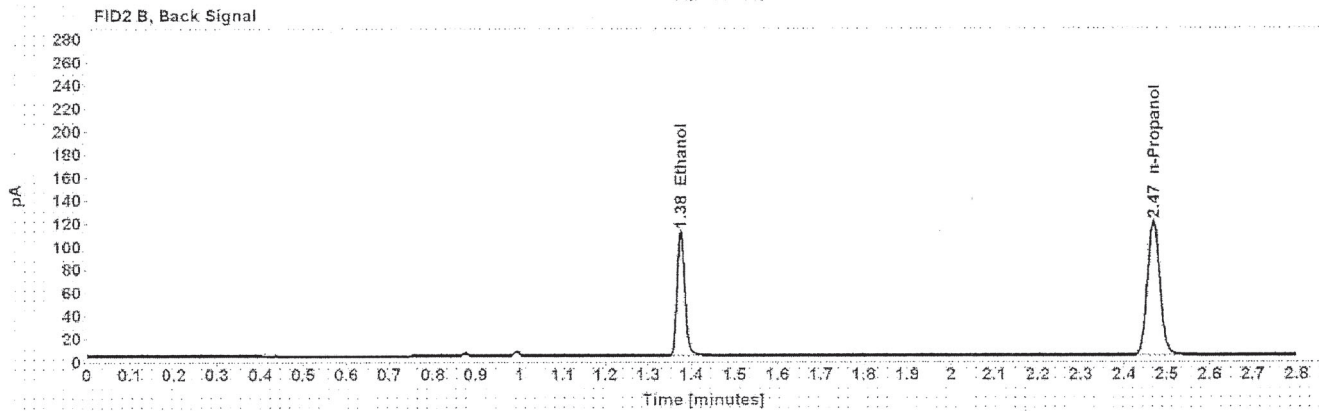
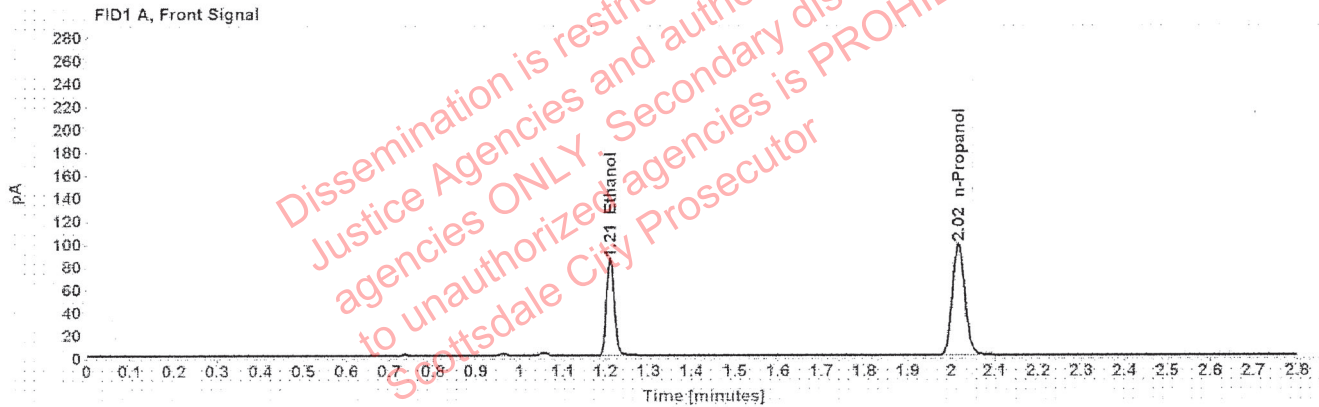


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1582	1.210	108.512
n-Propanol	-----	2.016	194.338

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

Compound	Time (min)	Peak Area
Ethanol	1.375	134.877
n-Propanol	2.468	237.451

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1341710	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:28:35 PM
Data file:	C:\Chem32\1\Data\20Oct20\33.D	Analyst:	Abbott

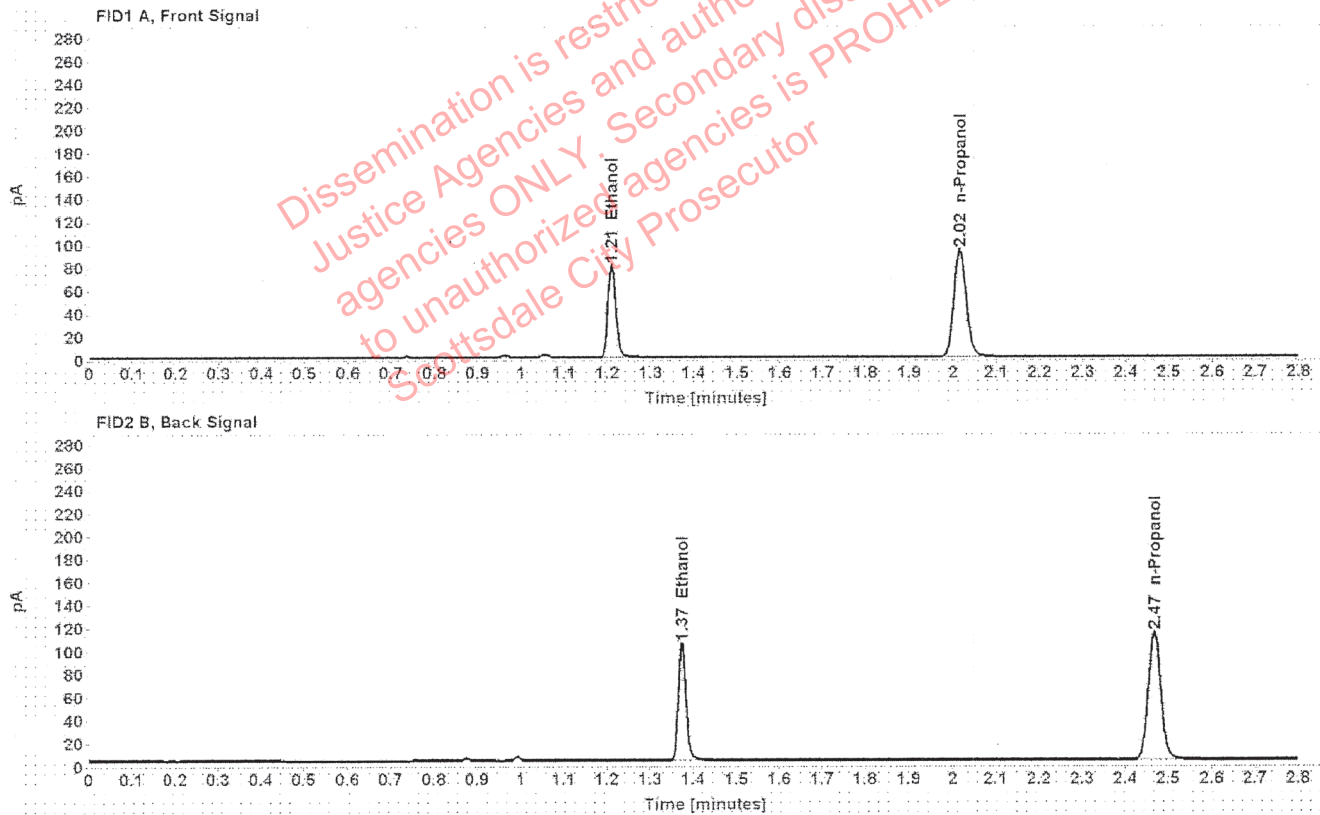


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1563	1.210	102.450
n-Propanol	-----	2.016	185.792

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

Compound	Time (min)	Peak Area
Ethanol	1.374	127.518
n-Propanol	2.468	226.873

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321826	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:32:35 PM
Data file:	C:\Chem32\1\Data\20Oct20\34.D	Analyst:	Abbott

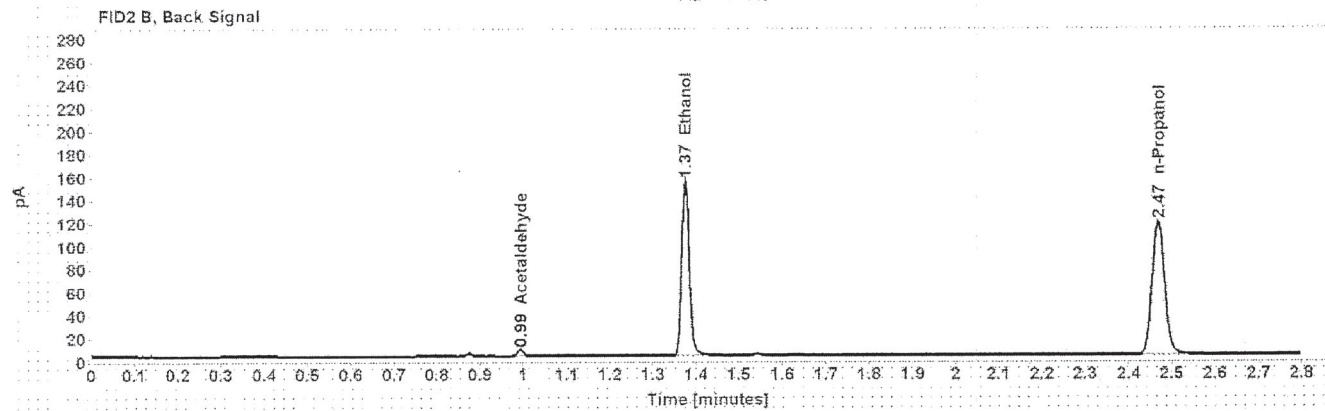
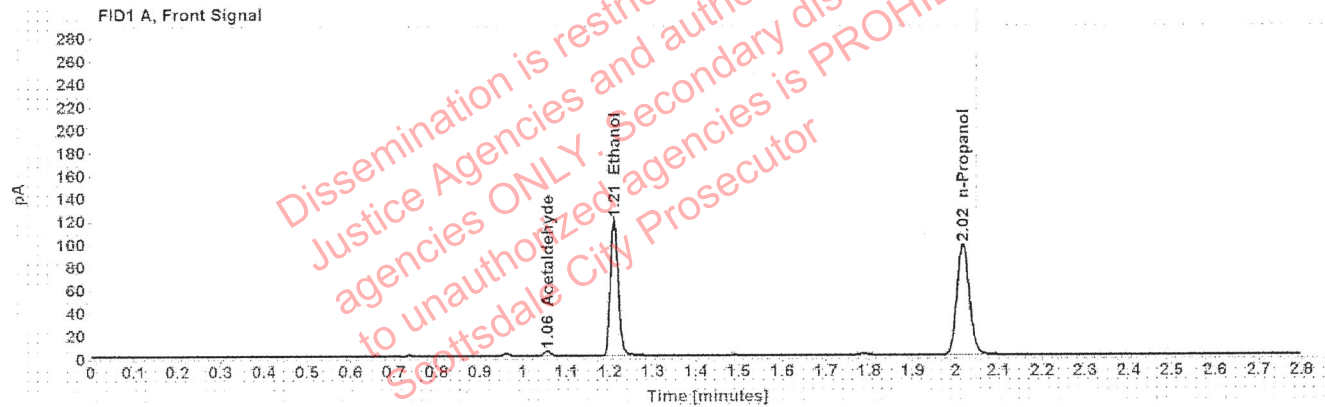


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.107
>Ethanol	0.2231	1.210	151.897
n-Propanol	-----	2.016	192.650

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.381
Ethanol	1.375	190.854
n-Propanol	2.468	236.350

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321826	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:36:36 PM
Data file:	C:\Chem32\1\Data\20Oct20\35.D	Analyst:	Abbott

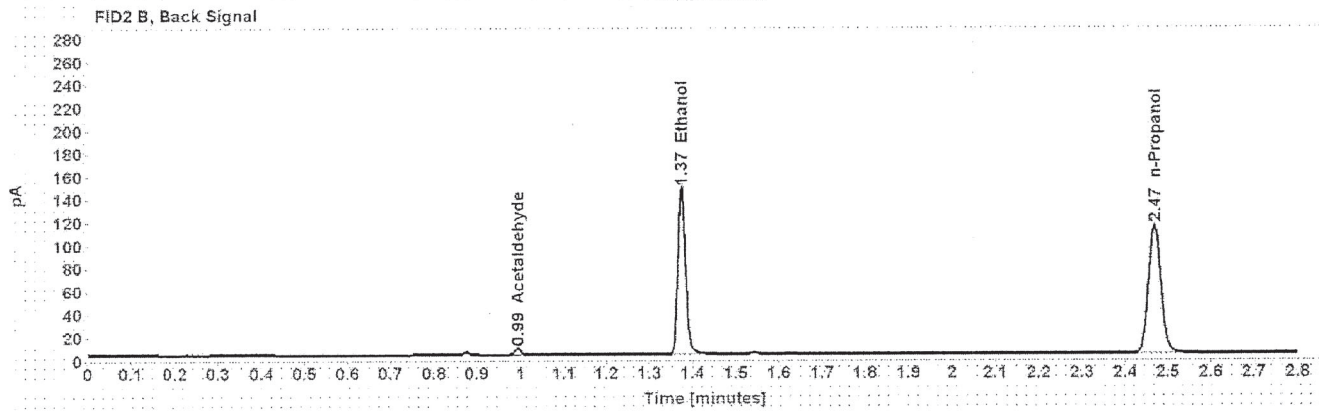
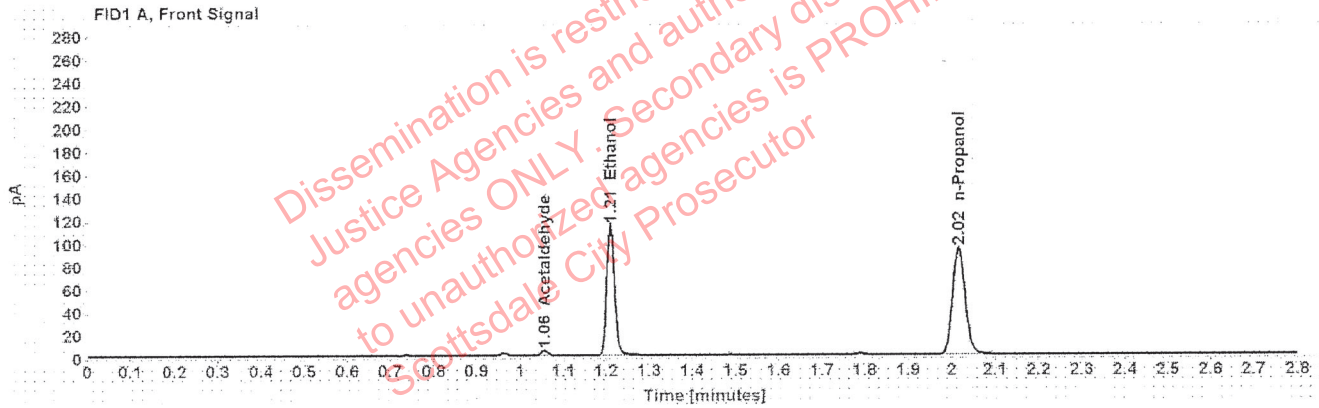


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.050
>Ethanol	0.2208	1.210	144.912
n-Propanol	-----	2.016	185.705

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.283
Ethanol	1.375	180.441
n-Propanol	2.468	227.748

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1342484	Vial:	36
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:40:35 PM
Data file:	C:\Chem32\1\Data\20Oct20\36.D	Analyst:	Abbott

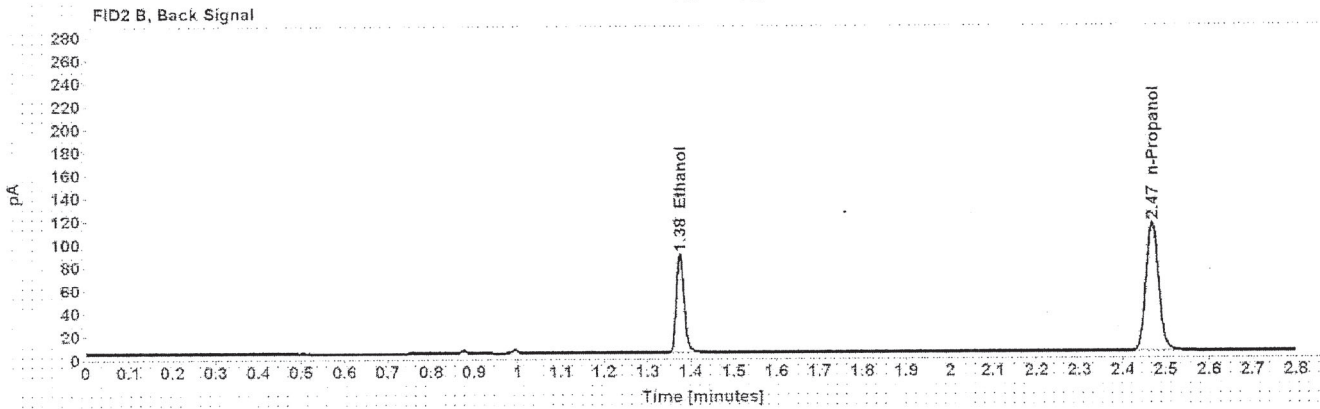
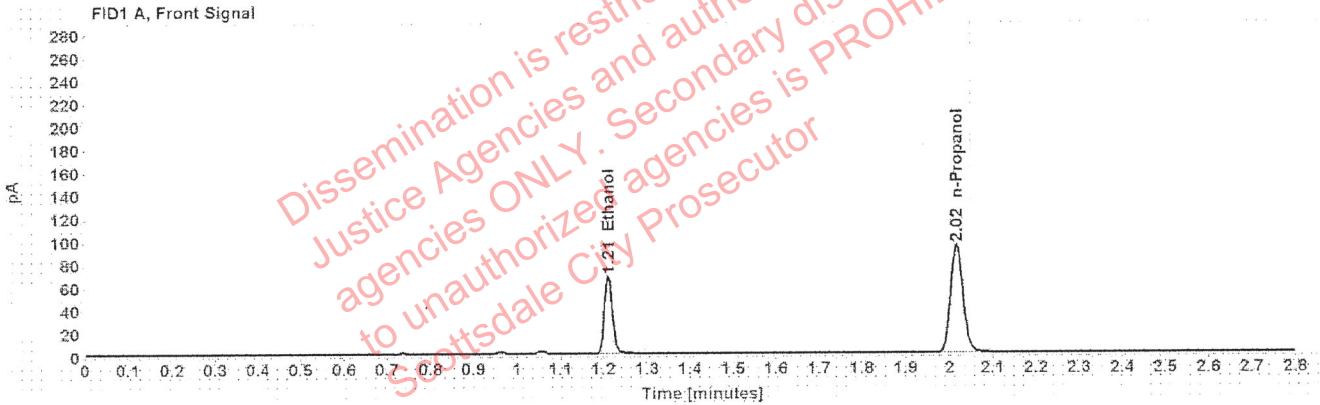


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1309	1.211	86.278
n-Propanol	-----	2.016	186.967

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

Compound	Time (min)	Peak Area
Ethanol	1.375	106.840
n-Propanol	2.468	228.352

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1342484	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:44:50 PM
Data file:	C:\Chem32\1\Data\20Oct20\37.D	Analyst:	Abbott

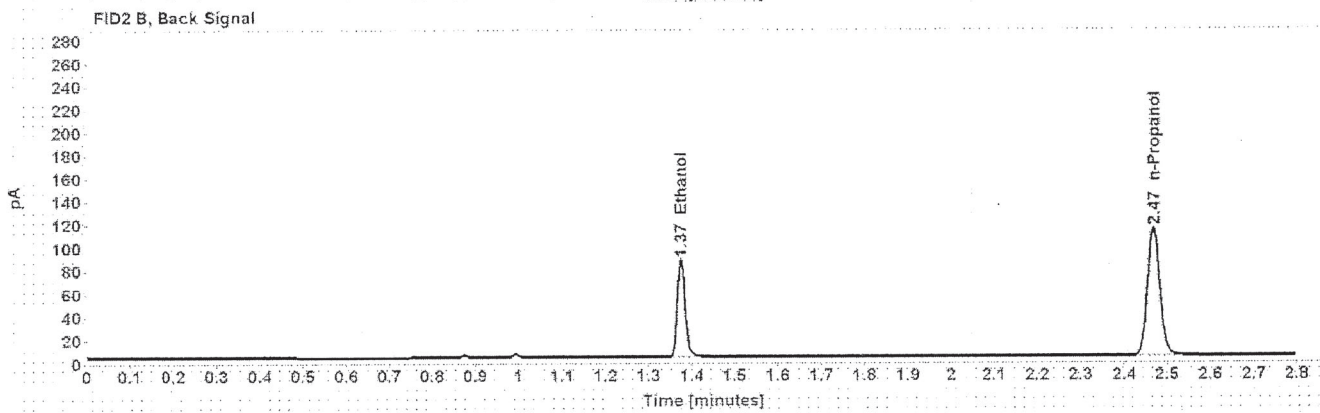
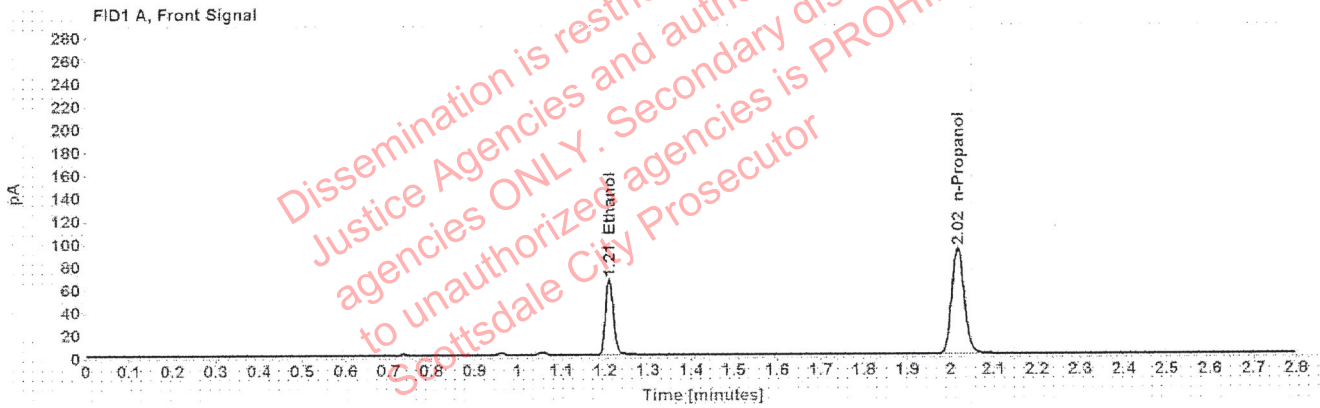


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1301	1.210	84.846
n-Propanol	-----	2.016	185.019

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

Compound	Time (min)	Peak Area
Ethanol	1.375	105.029
n-Propanol	2.468	225.834

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1342344	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:48:51 PM
Data file:	C:\Chem32\1\Data\20Oct20\38.D	Analyst:	Abbott

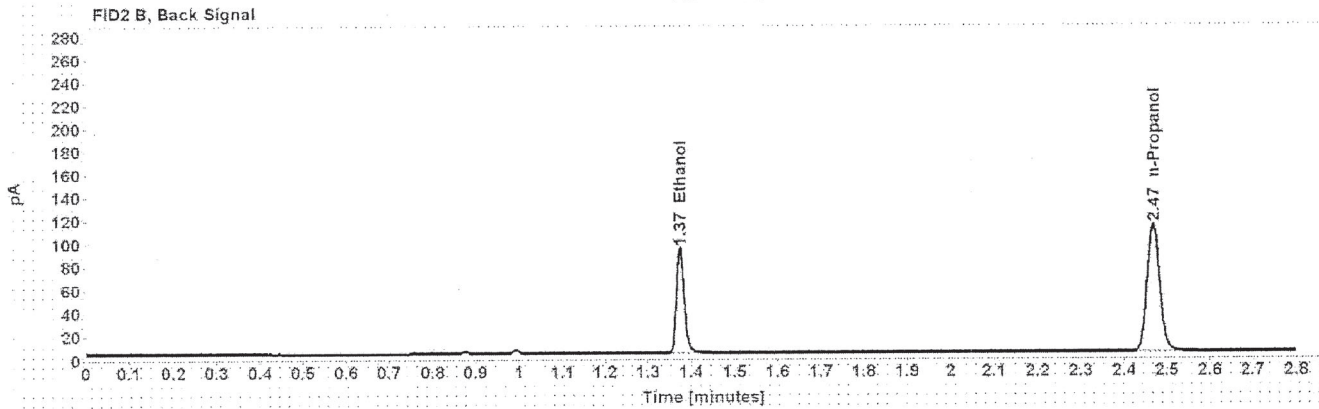
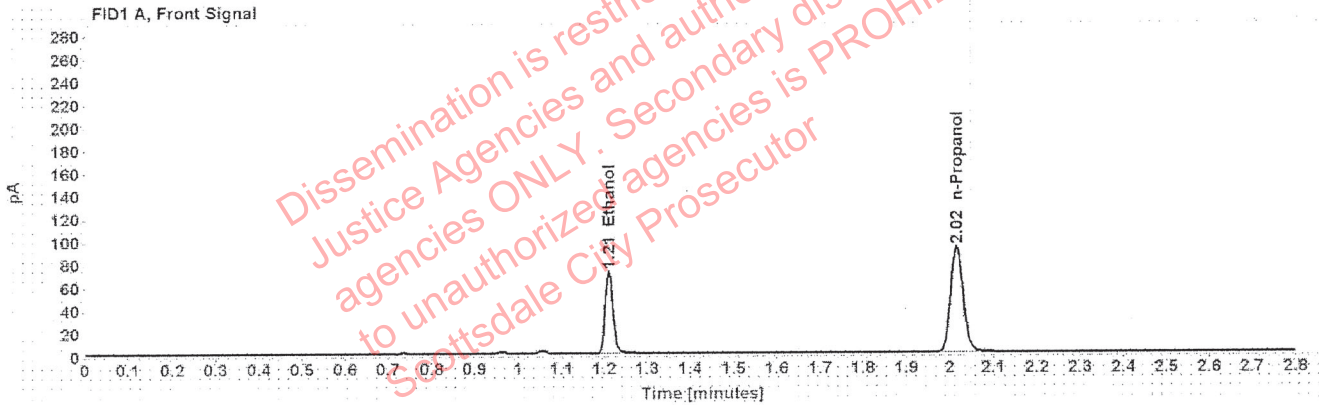


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1407	1.210	91.508
n-Propanol	-----	2.016	184.434

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.506
n-Propanol	2.468	225.377

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1342344	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:52:50 PM
Data file:	C:\Chem32\1\Data\20Oct20\39.D	Analyst:	Abbott

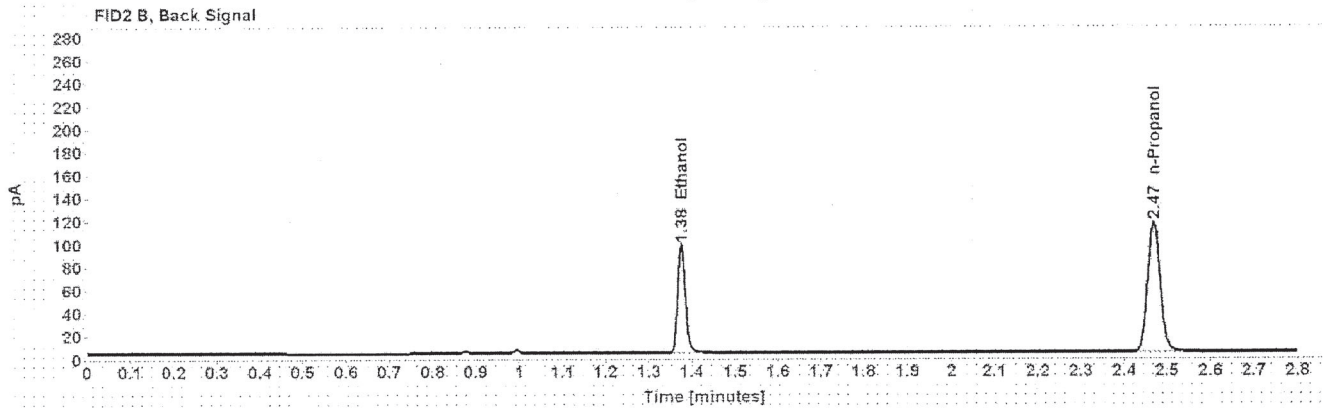
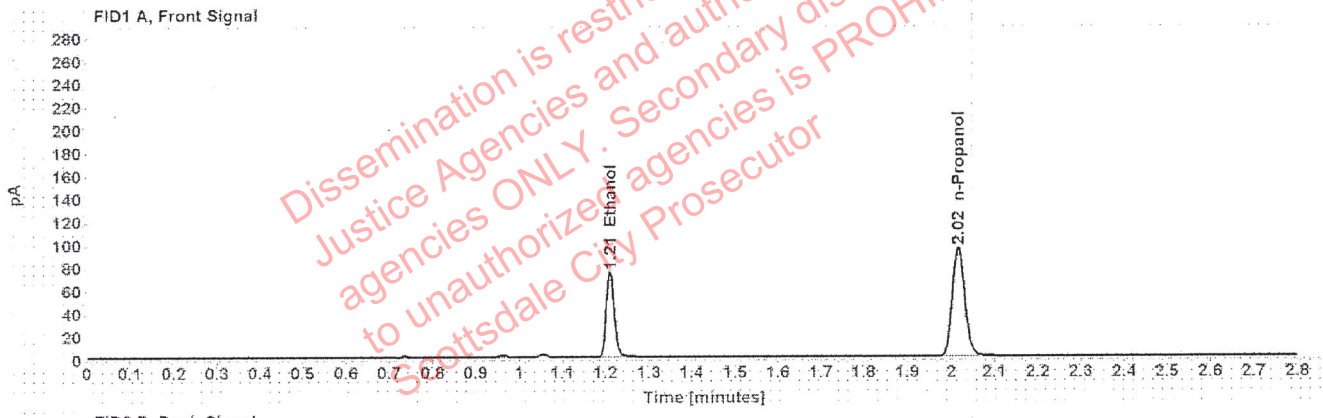


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1426	1.211	95.274
n-Propanol	-----	2.017	189.483

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

Compound	Time (min)	Peak Area
Ethanol	1.375	118.487
n-Propanol	2.469	231.542

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1342469	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 2:56:50 PM
Data file:	C:\Chem32\1\Data\20Oct20\40.D	Analyst:	Abbott

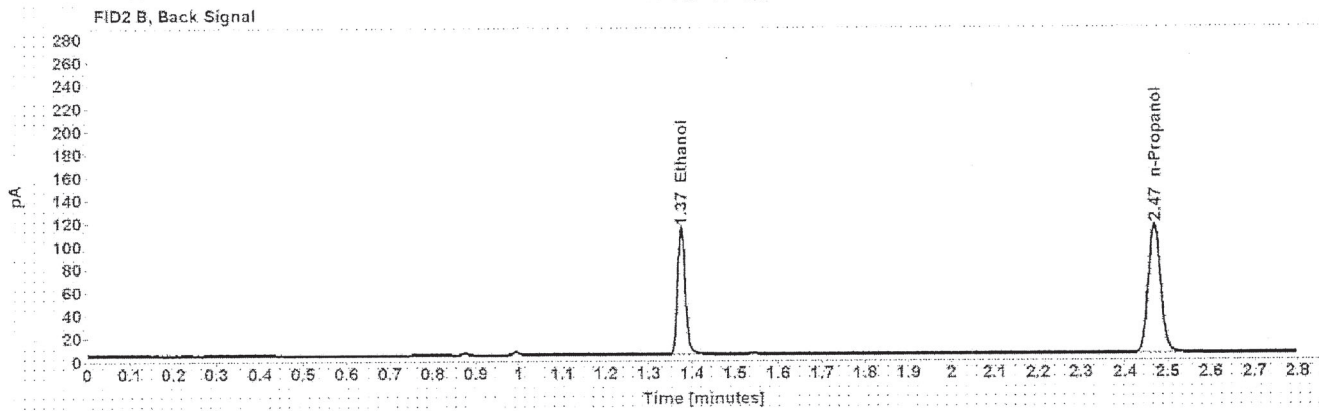
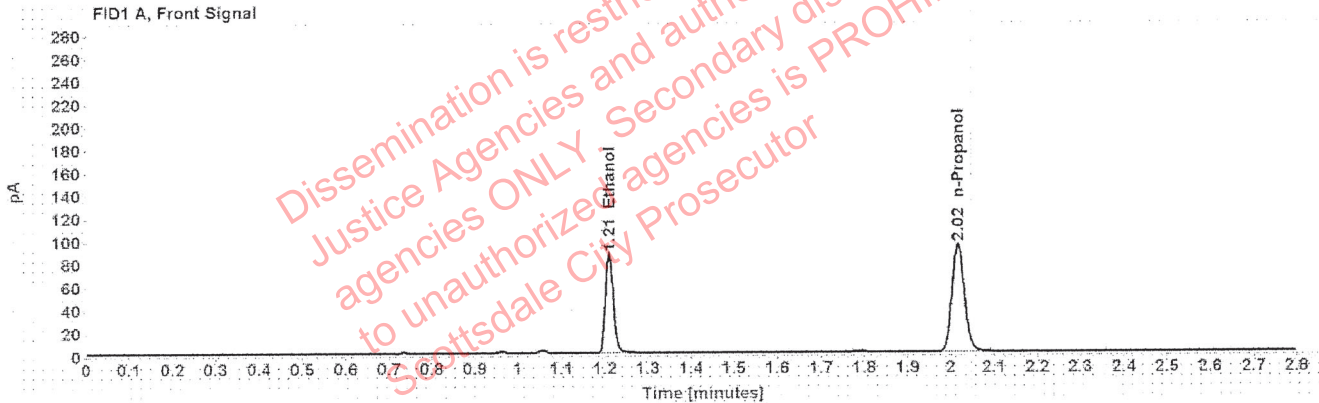


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1672	1.210	110.442
n-Propanol	-----	2.016	187.109

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

Compound	Time (min)	Peak Area
Ethanol	1.375	137.416
n-Propanol	2.468	228.193

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1342469	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Oct20
Instrument:	US14173023 CN14160045	Injection date:	10/20/2020 3:00:50 PM
Data file:	C:\Chem32\1\Data\20Oct20\41.D	Analyst:	Abbott

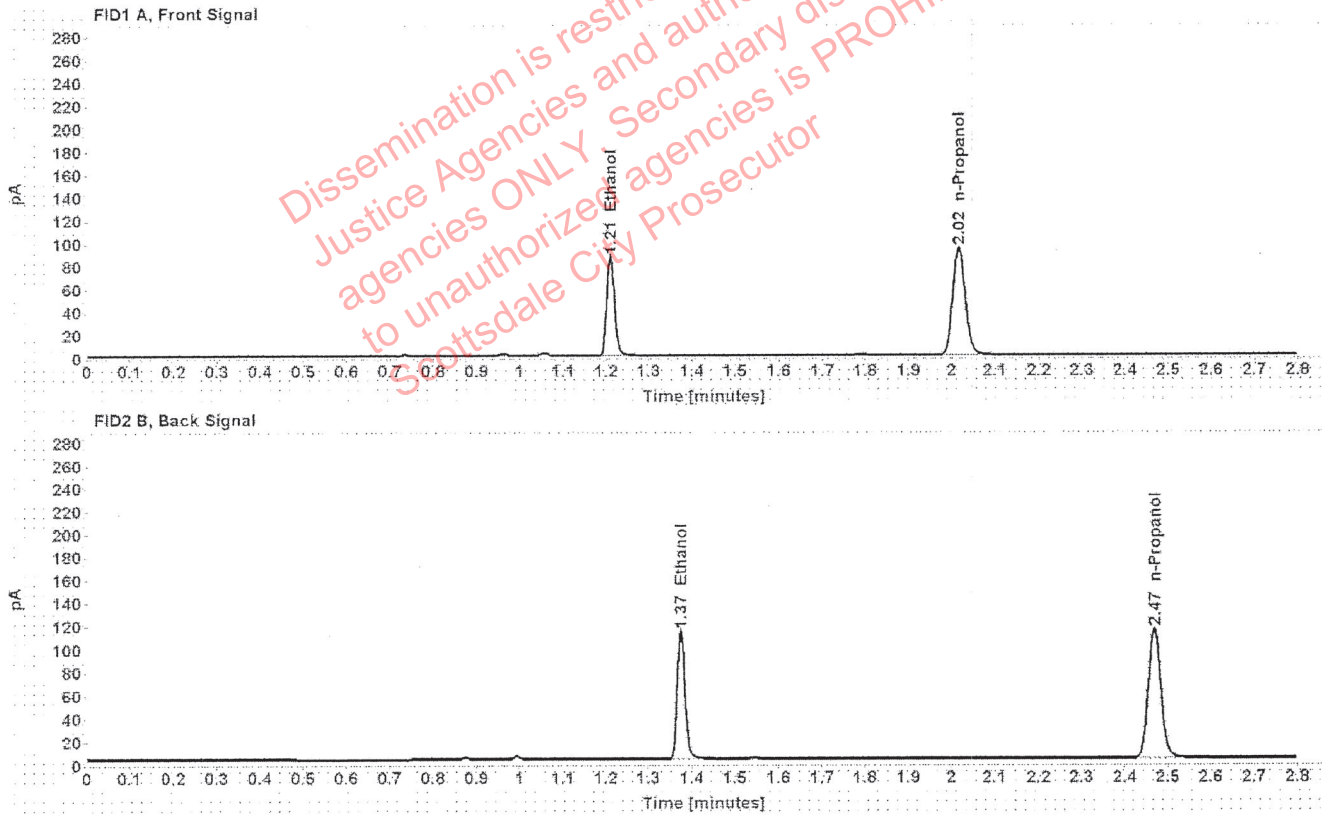


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1679	1.210	111.072
n-Propanol	-----	2.016	187.384

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

Compound	Time (min)	Peak Area
Ethanol	1.375	138.043
n-Propanol	2.468	228.678