SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 12/14/2022   SEQUENCE NAME 14Dec22

EQUIPMENT

Pipettor   ☒ Hamilton ML600EH7497   ☐ Hamilton ML600GJ10749
Gas Chromatograph ☒ Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN10051909   Coefficient of determination (r^2)

Vial 2 0.10 calibrator Lot FN05311902   0.99999

Vial 3 0.20 calibrator Lot FN02052101

Vial 4 0.40 calibrator Lot FN03052102

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 100722AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Blood control	0.199 g/dL	0.204 g/dL	ACQ 4110320133/8
42	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
53	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
54	Aqueous control	0.040 g/dL	0.042 g/dL	Lipomed 14082019-B
55	Blood control	0.199 g/dL	0.209 g/dL	ACQ 4110320133/8
56	Blank	Not detected	Not detected	SPD lab 101921WB

SUBJECT SAMPLES

Subjects in the sequence   20   Subjects requiring reanalysis   0

ADDITIONAL NOTES: This batch will be rerun due to a control failure at vial position 55.

Run valid   ☐   _Eika Canonico_   Run valid   ☐
Run invalid ☒   Analyst   Run invalid ☐   Technical Reviewer

Scottsdale Police Department Crime Laboratory
# Sequence Quality Assurance Summary

SEQUENCE NAME: 14Dec22   **ANALYST: Canonico**

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 100722AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.399	0.400	0.25	-0.001
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/8	9	0.204	0.199	2.51	0.005
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.199 4110320133/8	31	0.204	0.199	2.51	0.005
0.080 20012020-B	42	0.081	0.080	1.25	0.001
0.400 11092018-A	53	0.402	0.400	0.50	0.002
0.040 14082019-B	54	0.042	0.040	5.00	0.002
0.199 4110320133/8	55	0.209	0.199	5.03	0.010
blank 101921WB	56	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.271	164.498	0.069
0.100	58.335	166.085	0.351
0.200	116.344	164.132	0.709
0.400	236.157	165.599	1.426

Calibration Line

R^2: 0.99999
y = ax + b
a: 3.57491 b: -0.00481

VOID
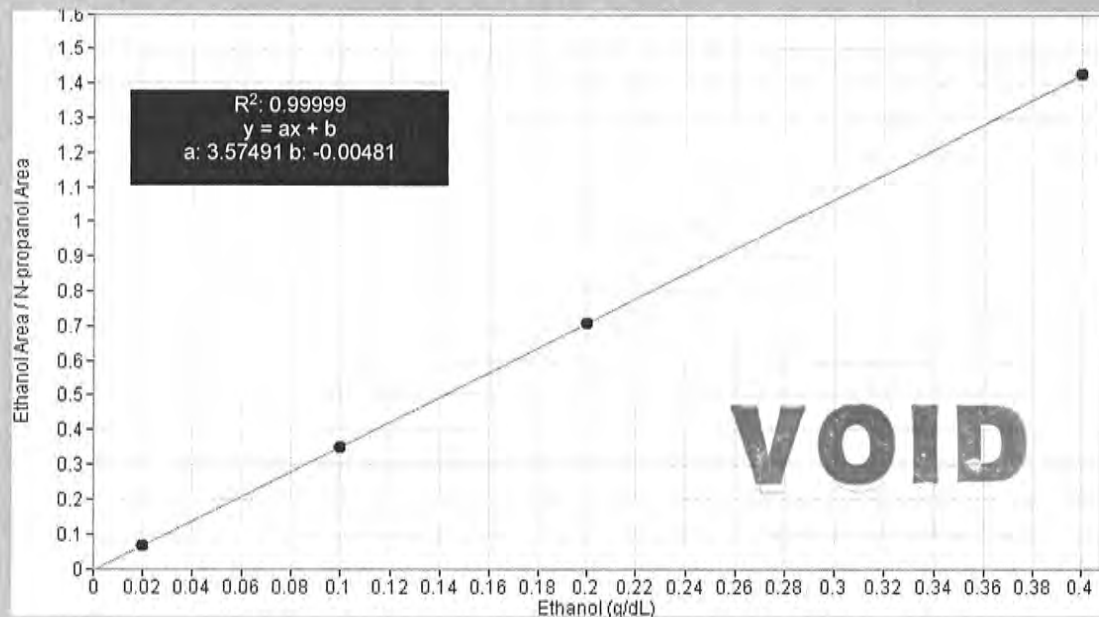
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN10051909	Vial:	1	
Description:	0.020 calibrator	Sequence:	14Dec22	
Method:	ethanol quant.M	Injection date:	12/14/2022 10:28:15 AM	
Instrument:	US14173023 CN14160045	Analyst:	Canonico	
Data file:	C:\Chem32\1\Data\14Dec22\1.D			

FID1 A, Front Signal

FID2 B, Back Signal
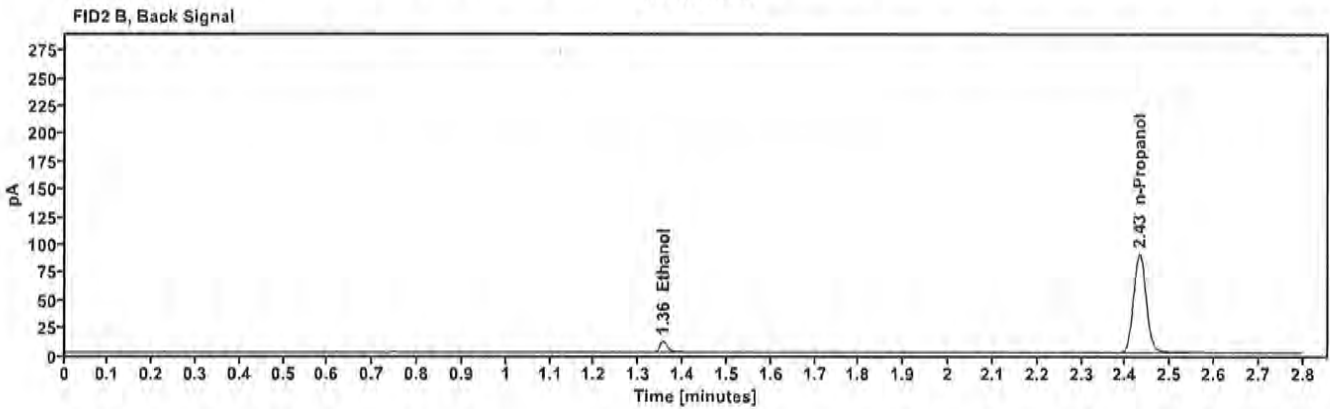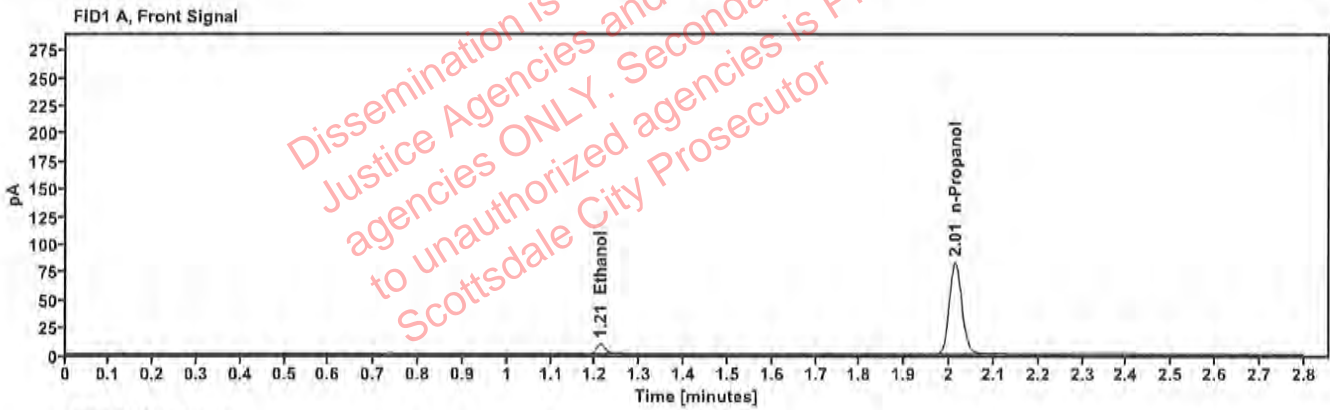
Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	11.271
n-Propanol	2.013	164.498

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

Compound	Time (min)	Peak Area
Ethanol	1.355	12.248
n-Propanol	2.431	178.144

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902		Vial:	2
Description:	0.100 calibrator		Sequence:	14Dec22
Method:	ethanol quant.M		Injection date:	12/14/2022 10:32:14 AM
Instrument:	US14173023 CN14160045		Analyst:	Canonico
Data file:	C:\Chem32\1\Data\14Dec22\2.D			

FID1 A, Front Signal

FID2 B, Back Signal
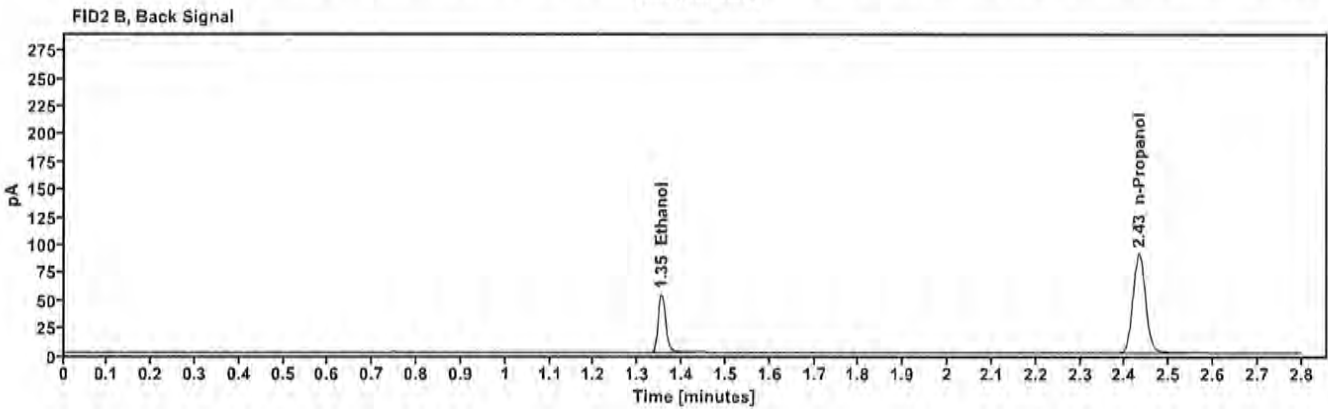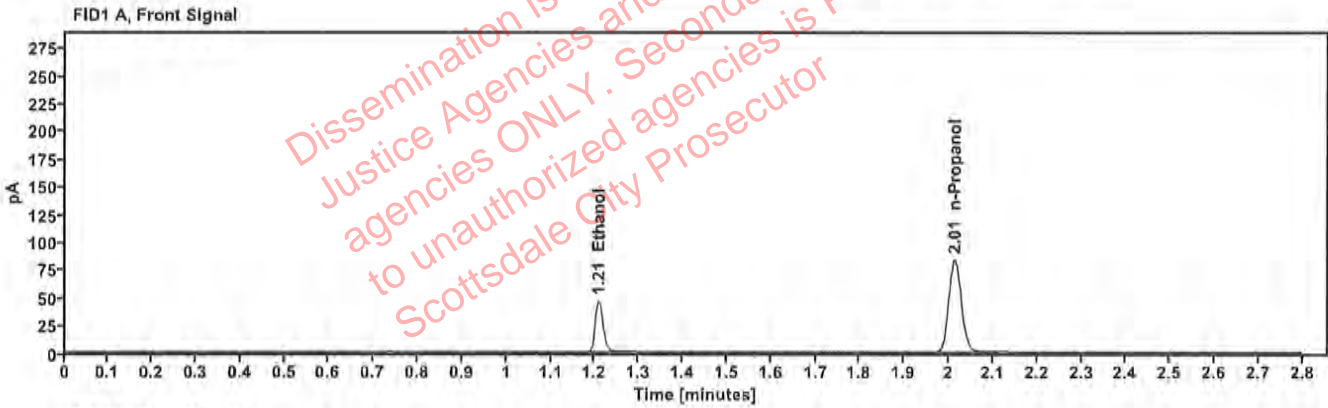
Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	58.335
n-Propanol	2.013	166.085

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

Compound	Time (min)	Peak Area
Ethanol	1.354	63.380
n-Propanol	2.431	179.574

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN02052101		Vial:	3
Description:	0.200 calibrator		Sequence:	14Dec22
Method:	ethanol quant.M		Injection date:	12/14/2022 10:36:14 AM
Instrument:	US14173023 CN14160045		Analyst:	Canonico
Data file:	C:\Chem32\1\Data\14Dec22\3.D			

FID1 A, Front Signal

FID2 B, Back Signal
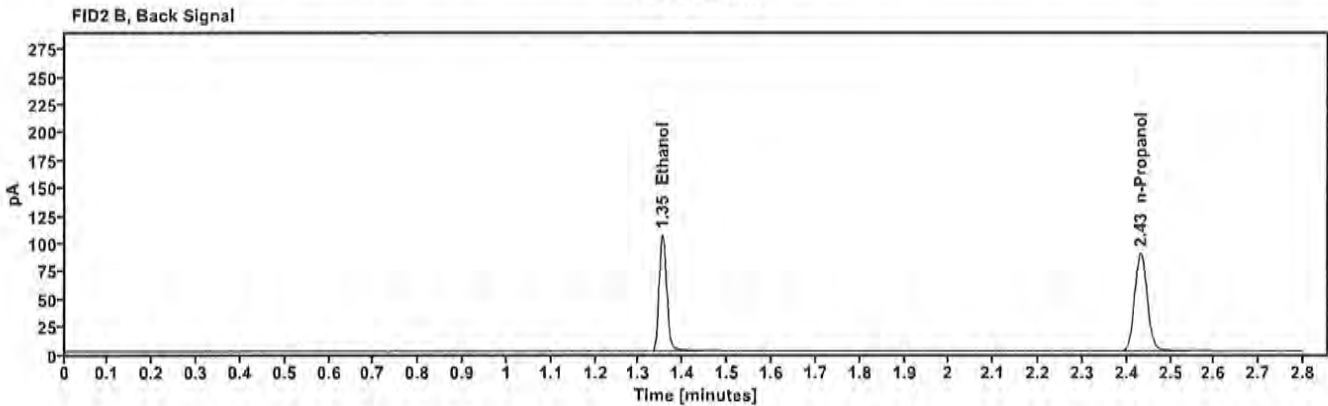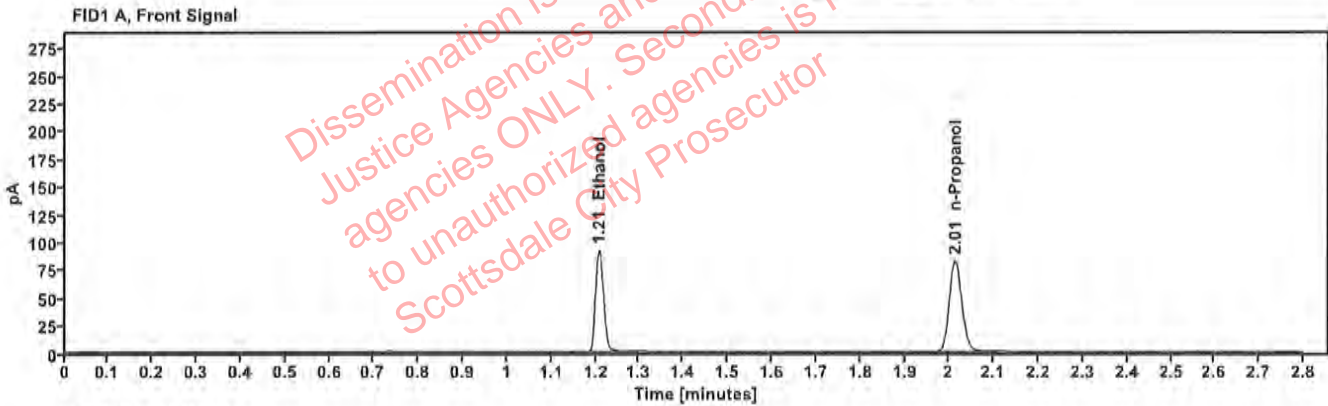
Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	116.344
n-Propanol	2.013	164.132

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

Compound	Time (min)	Peak Area
Ethanol	1.353	127.008
n-Propanol	2.432	177.335

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	**Vial:**	4
Description:	0.400 calibrator	**Sequence:**	14Dec22
Method:	ethanol quant.M	**Injection date:**	12/14/2022 10:40:14 AM
Instrument:	US14173023 CN14160045	**Analyst:**	Canonico
Data file:	C:\Chem32\1\Data\14Dec22\4.D		

FID1 A, Front Signal

FID2 B, Back Signal
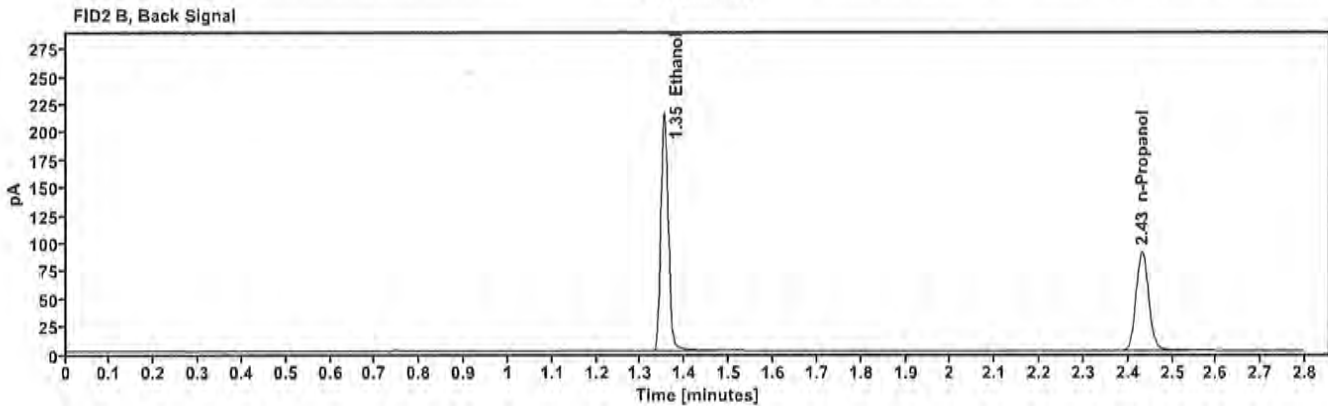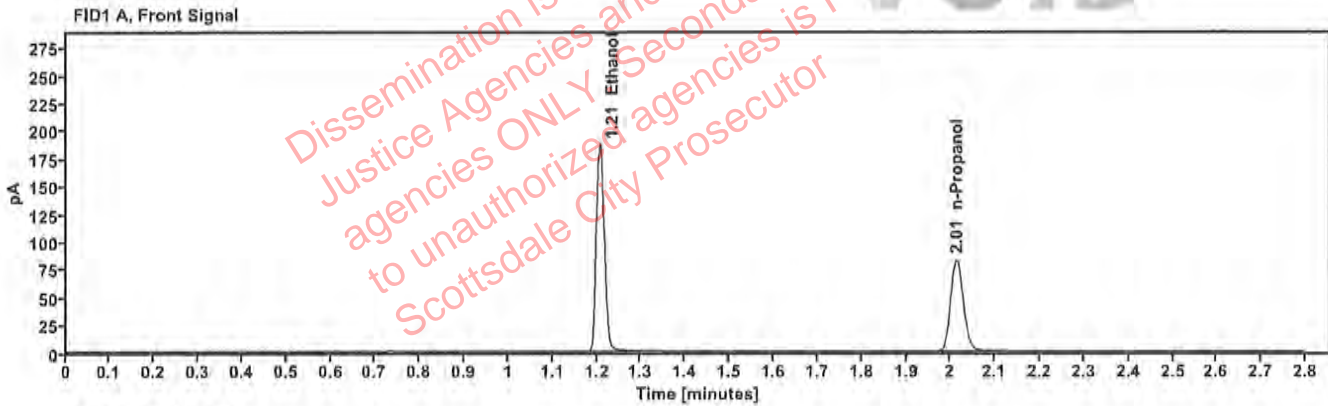
Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	236.157
n-Propanol	2.013	165.599

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

Compound	Time (min)	Peak Area
Ethanol	1.353	259.050
n-Propanol	2.431	178.717

Scottsdale Police Department Crime Lab Volatiles Analysis

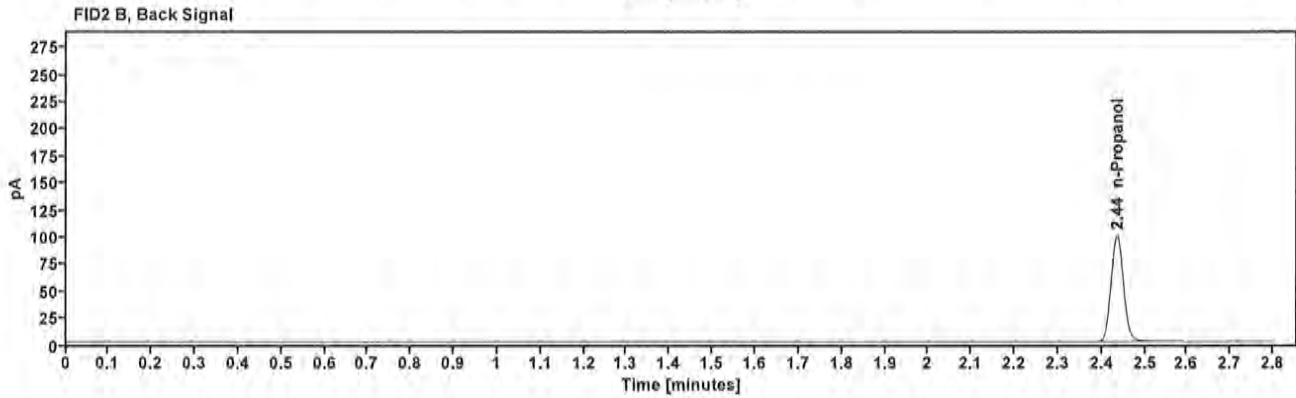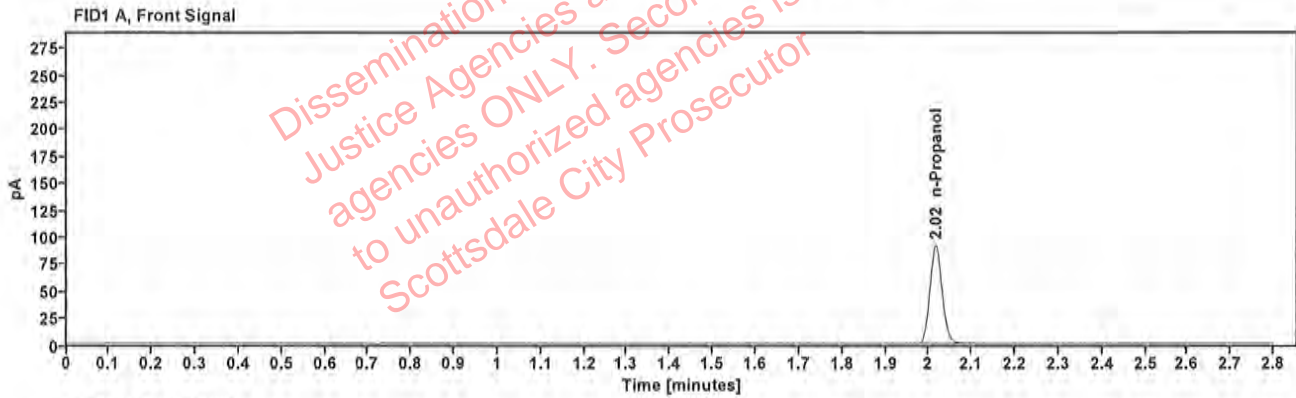|				
Sample:	100722AQ		Vial:	5
Description:	Negative		LIMS ID:	
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 10:44:14 AM
Data file:	C:\Chem32\1\Data\14Dec22\5.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	------	2.016	181.635

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	196.079

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 10:48:15 AM
Data file:	C:\Chem32\1\Data\14Dec22\6.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
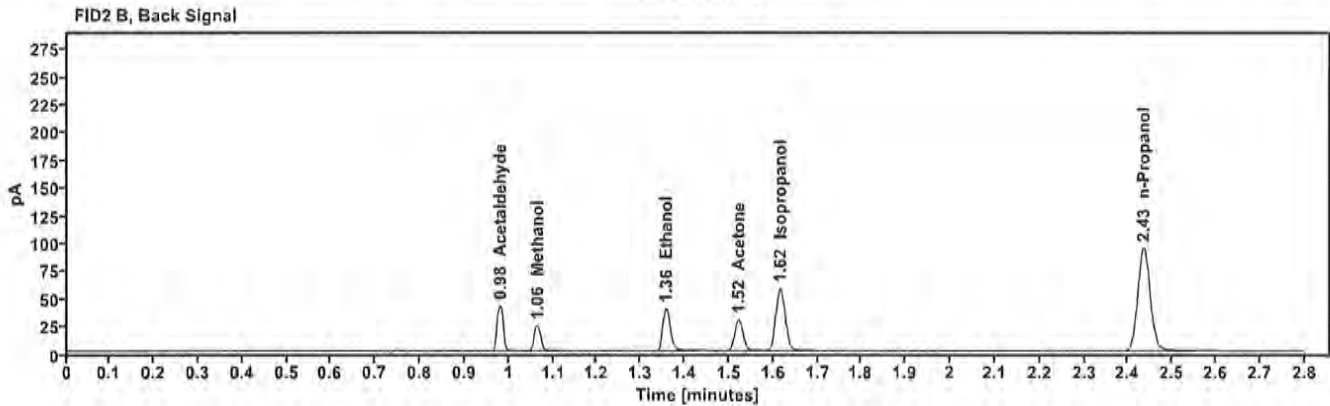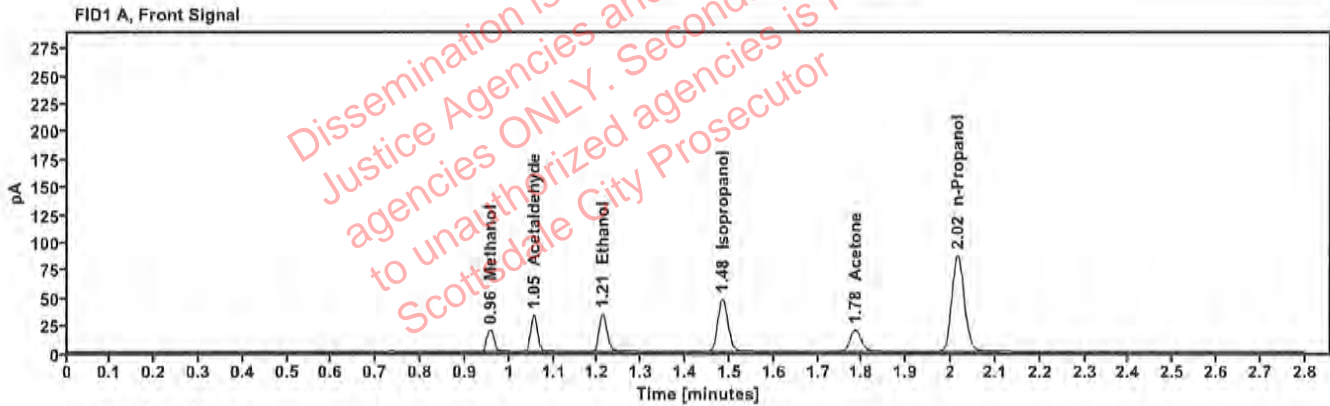
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	------	0.957	22.262
Acetaldehyde	------	1.055	35.811
>Ethanol	0.0713	1.211	43.213
Isopropanol	------	1.484	76.241
Acetone	------	1.784	33.700
n-Propanol	------	2.016	172.705

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	40.116
Methanol	1.063	24.524
Ethanol	1.358	47.003
Acetone	1.521	36.973
Isopropanol	1.615	84.276
n-Propanol	2.435	186.538

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 10:52:30 AM
Data file:	C:\Chem32\1\Data\14Dec22\7.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
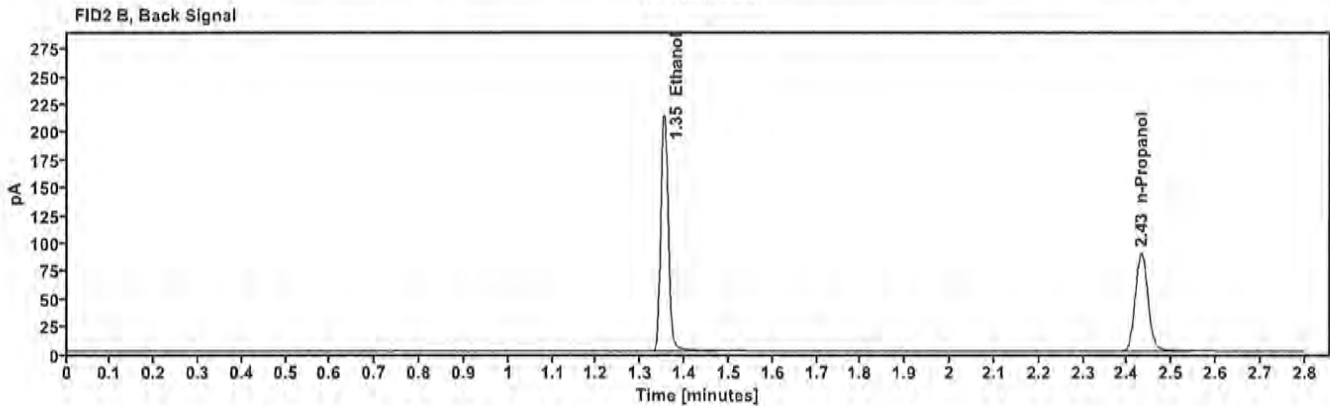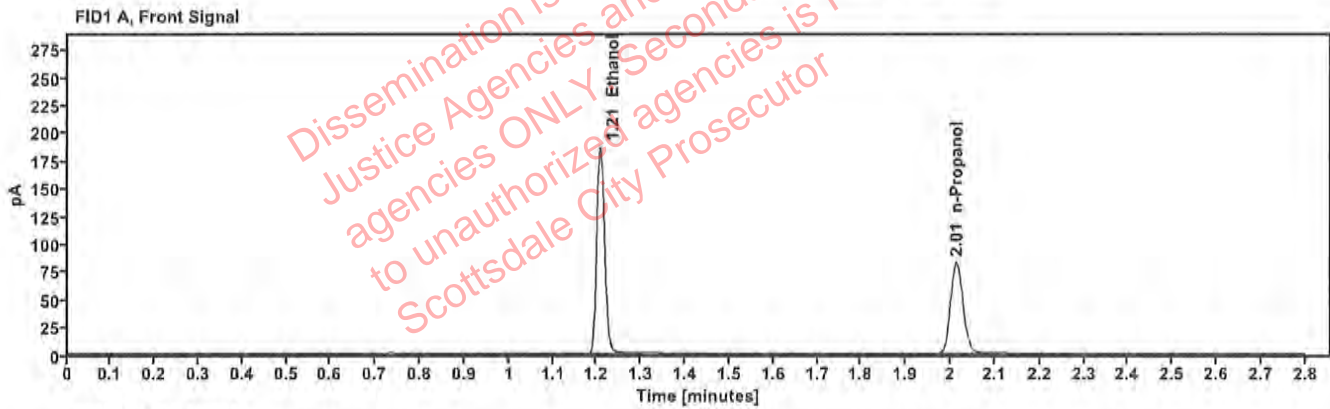
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3997	1.207	234.406
n-Propanol	------	2.013	164.584

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

Compound	Time (min)	Peak Area
Ethanol	1.353	257.081
n-Propanol	2.431	177.710

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B		Vial:	8
Description:	0.040		LIMS ID:	
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 10:56:29 AM
Data file:	C:\Chem32\1\Data\14Dec22\8.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
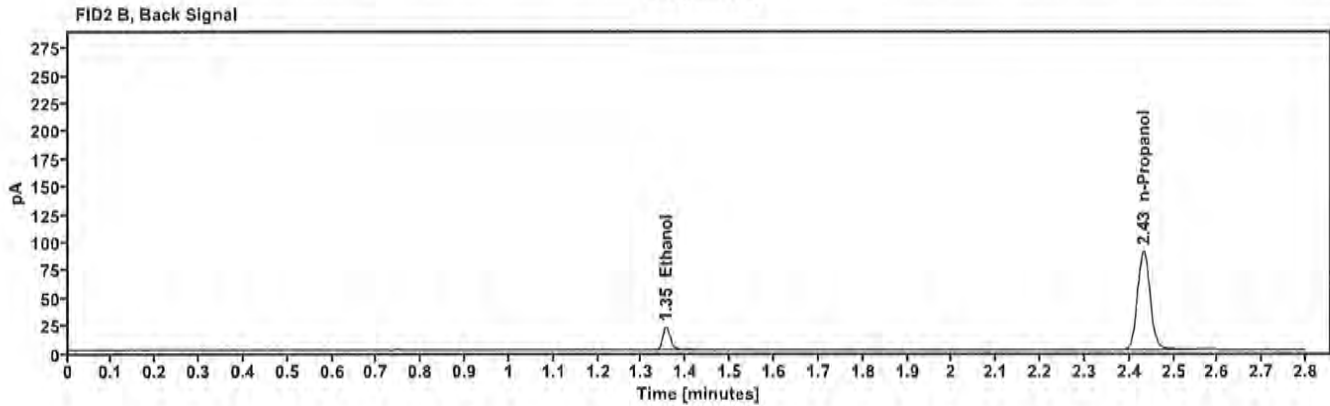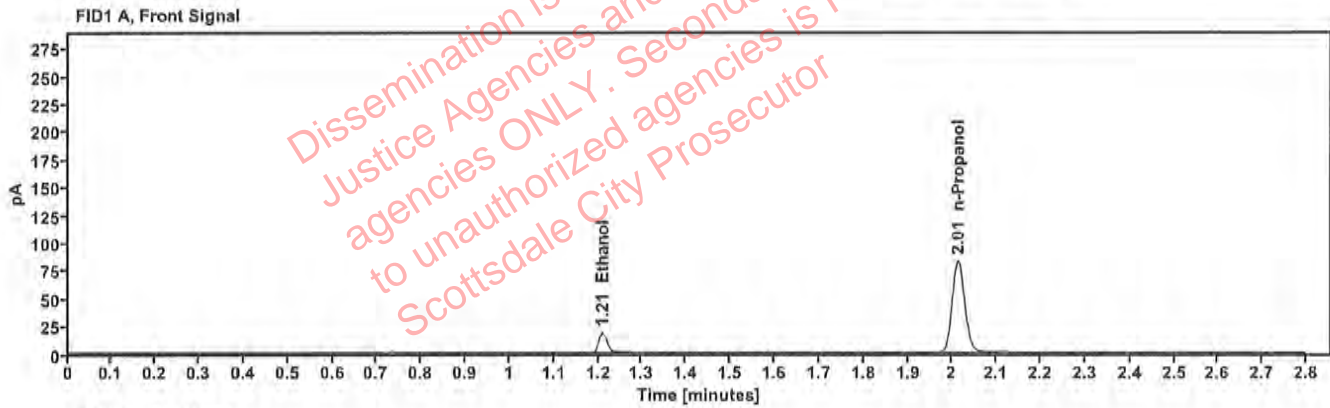
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.209	23.264
n-Propanol	------	2.013	165.015

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

Compound	Time (min)	Peak Area
Ethanol	1.354	25.249
n-Propanol	2.431	178.511

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8		Vial:	9
Description:	0.199		LIMS ID:	
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 11:00:30 AM
Data file:	C:\Chem32\1\Data\14Dec22\9.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
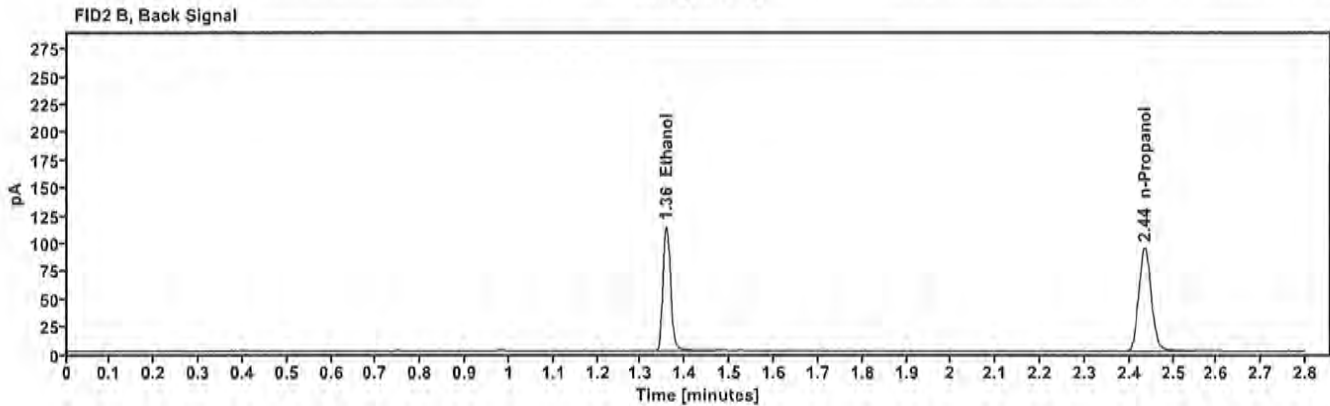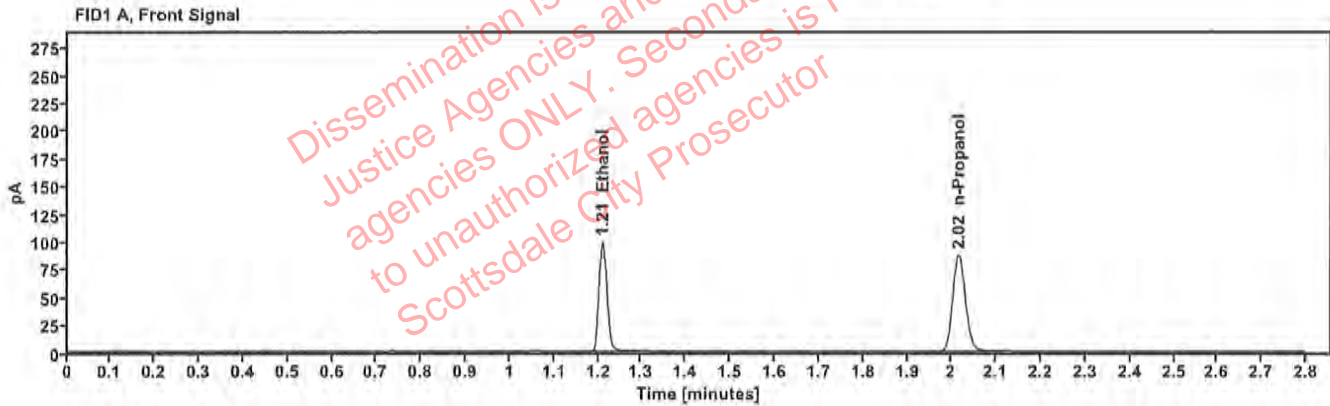
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2042	1.210	125.831
n-Propanol	———	2.016	173.516

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

Compound	Time (min)	Peak Area
Ethanol	1.357	137.889
n-Propanol	2.435	187.408

Scottsdale Police Department Crime Lab Volatiles Analysis

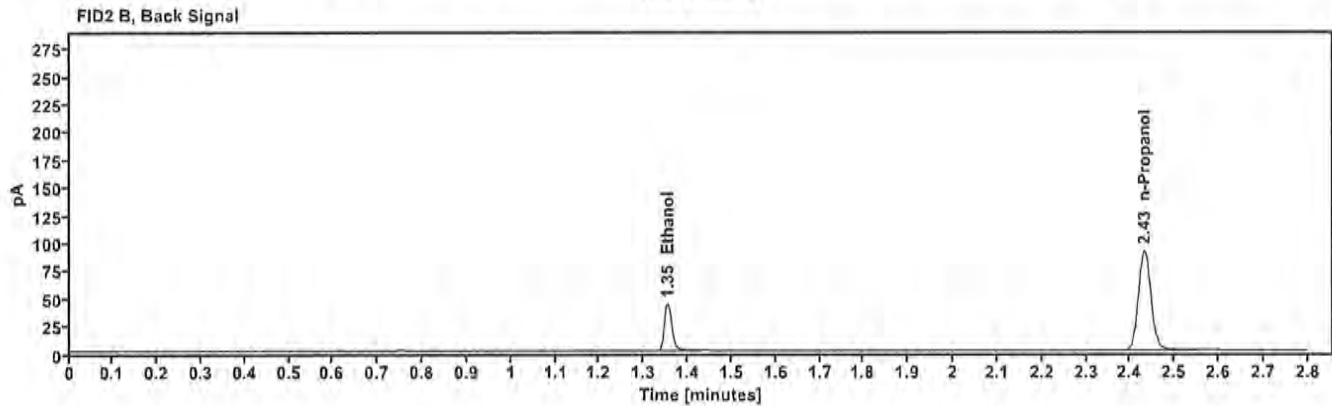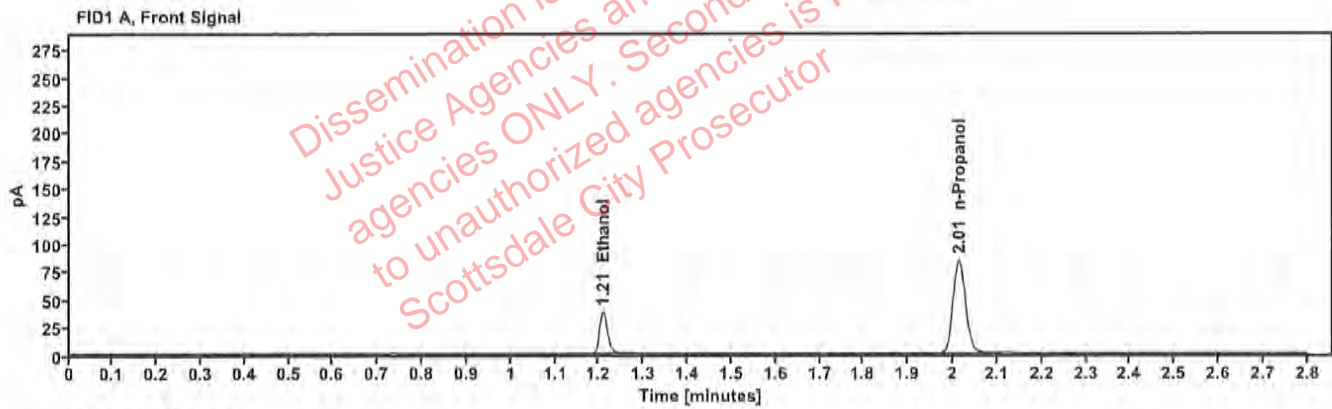|			
Sample:	20012020-B	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:44:59 AM
Data file:	C:\Chem32\1\Data\14Dec22\20.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol

2.01 n-Propanol

FID2 B, Back Signal

1.35 Ethanol

2.43 n-Propanol

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0808	1.209	47.589
n-Propanol	-------	2.013	167.590

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

Compound	Time (min)	Peak Area
Ethanol	1.354	51.662
n-Propanol	2.432	181.025

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8		Vial:	31
Description:	0.199		LIMS ID:	
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 12:29:29 PM
Data file:	C:\Chem32\1\Data\14Dec22\31.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
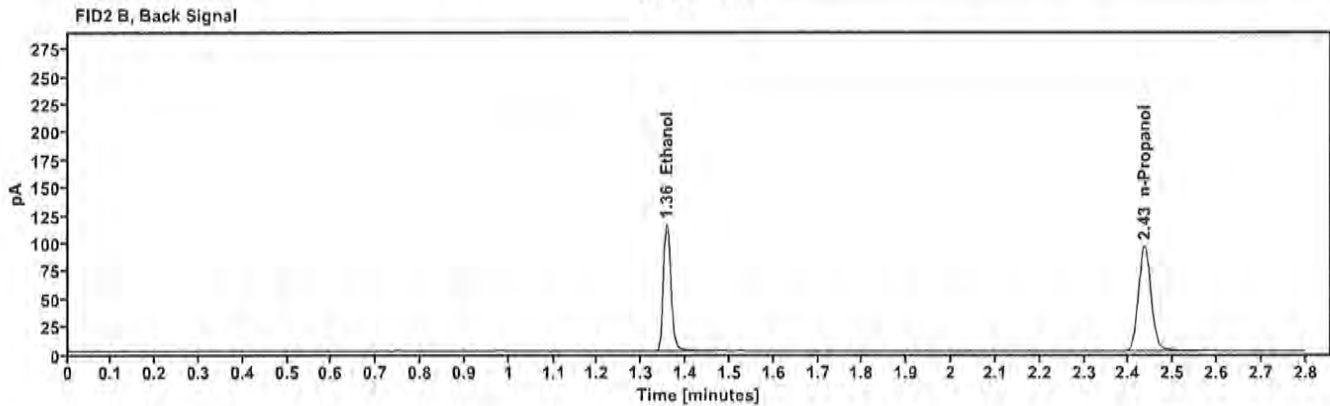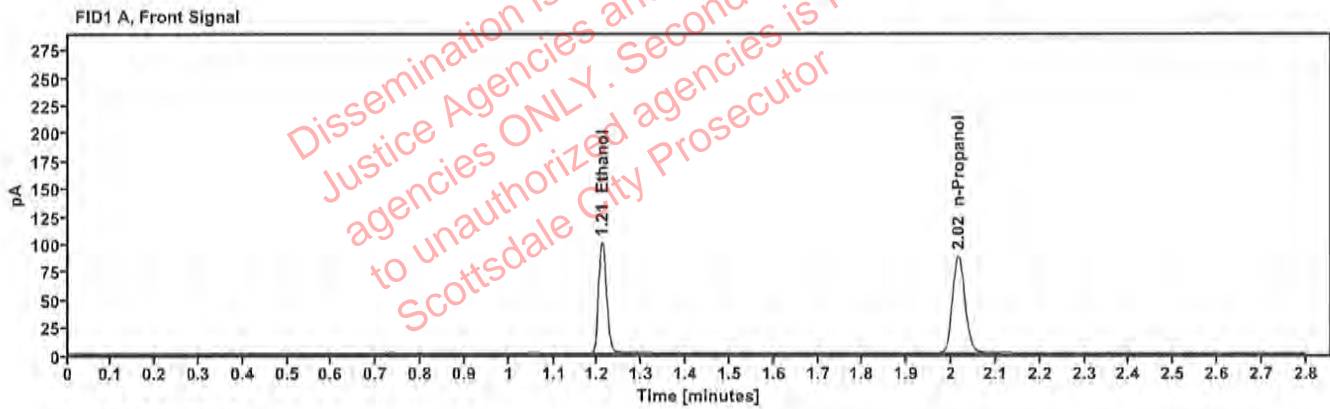
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2047	1.210	127.424
n-Propanol	------	2.016	175.250

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

Compound	Time (min)	Peak Area
Ethanol	1.357	139.409
n-Propanol	2.435	189.523

Scottsdale Police Department Crime Lab Volatiles Analysis

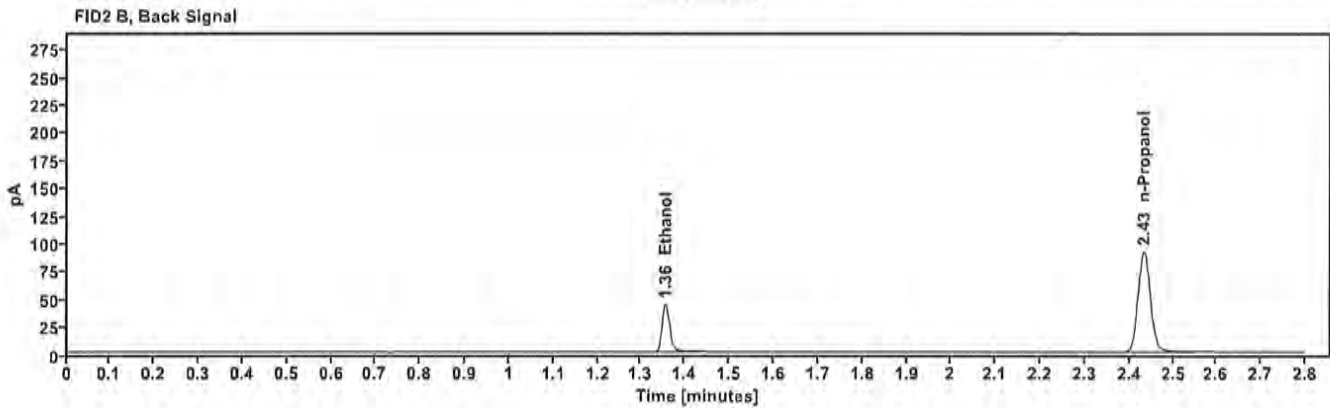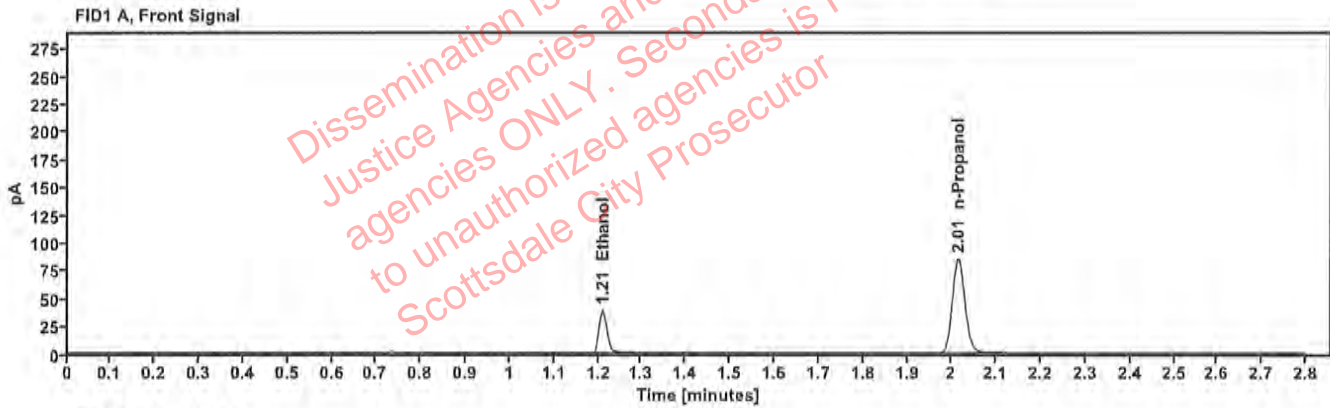|			
Sample:	20012020-B	Vial:	42
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:13:44 PM
Data file:	C:\Chem32\1\Data\14Dec22\42.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0816	1.210	48.315
n-Propanol	------	2.014	168.336

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

Compound	Time (min)	Peak Area
Ethanol	1.356	52.534
n-Propanol	2.433	181.936

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	53
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:58:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\53.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
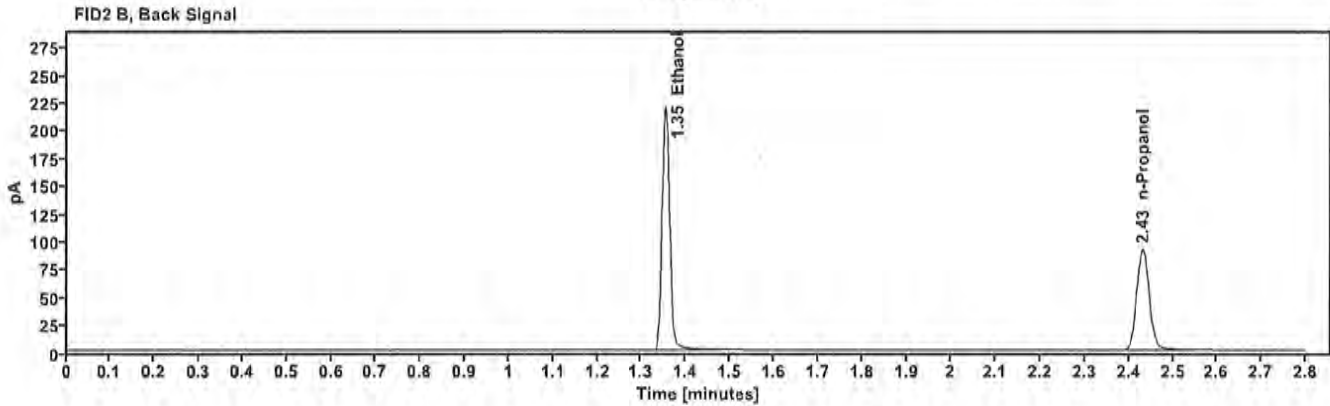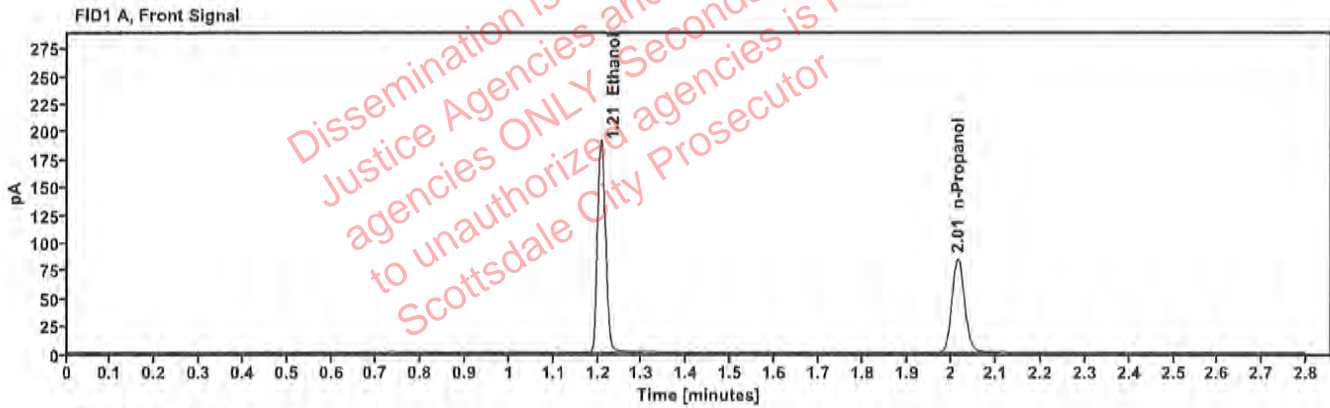
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4025	1.207	241.739
n-Propanol	------	2.013	168.577

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

Compound	Time (min)	Peak Area
Ethanol	1.353	265.364
n-Propanol	2.432	182.291

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B		Vial:	54
Description:	0.040		LIMS ID:	
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 2:02:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\54.D		Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
2.43 n-Propanol
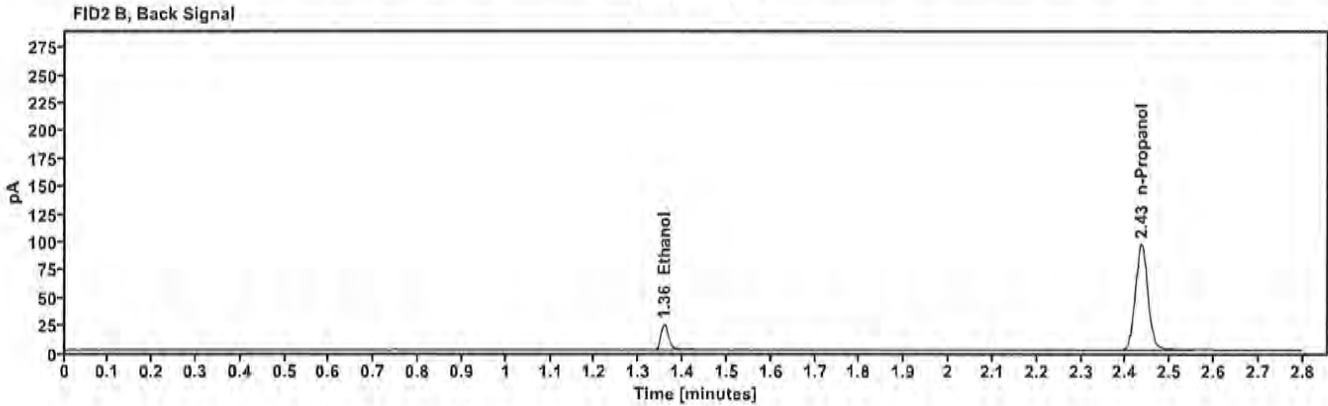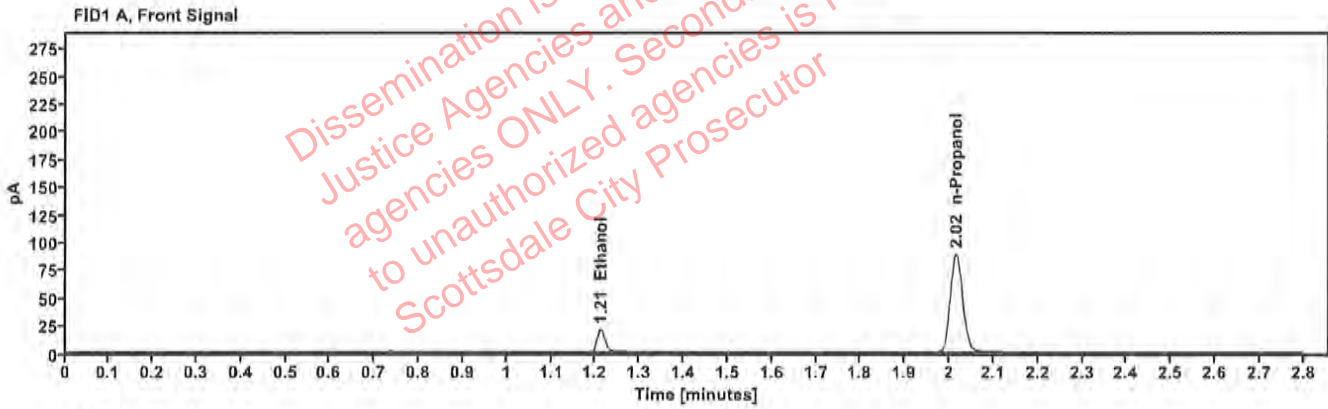
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0423	1.211	25.846
n-Propanol	——	2.015	176.655

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

Compound	Time (min)	Peak Area
Ethanol	1.358	28.015
n-Propanol	2.434	190.859

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8		Vial:	55
Description:	0.199		LIMS ID:	
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 2:06:29 PM
Data file:	C:\Chem32\1\Data\14Dec22\55.D		Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
2.44 n-Propanol
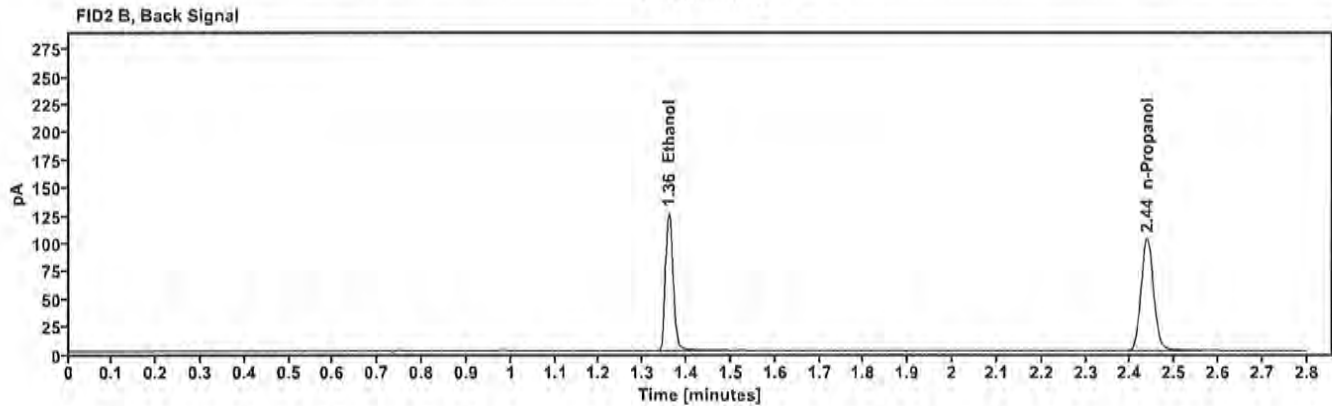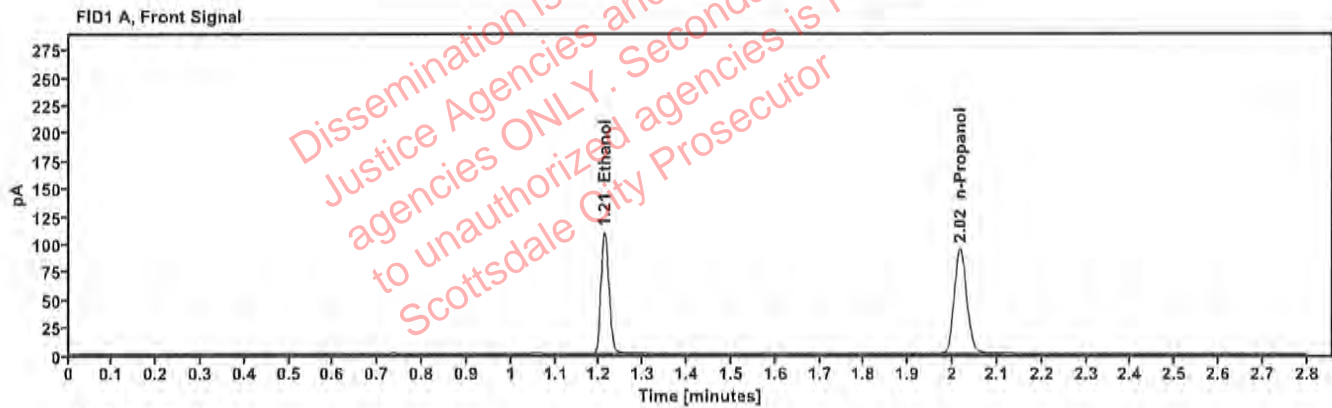
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2090	1.211	139.837
n-Propanol	————	2.017	188.376

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

Compound	Time (min)	Peak Area
Ethanol	1.359	153.222
n-Propanol	2.437	203.699

Scottsdale Police Department Crime Lab Volatiles Analysis

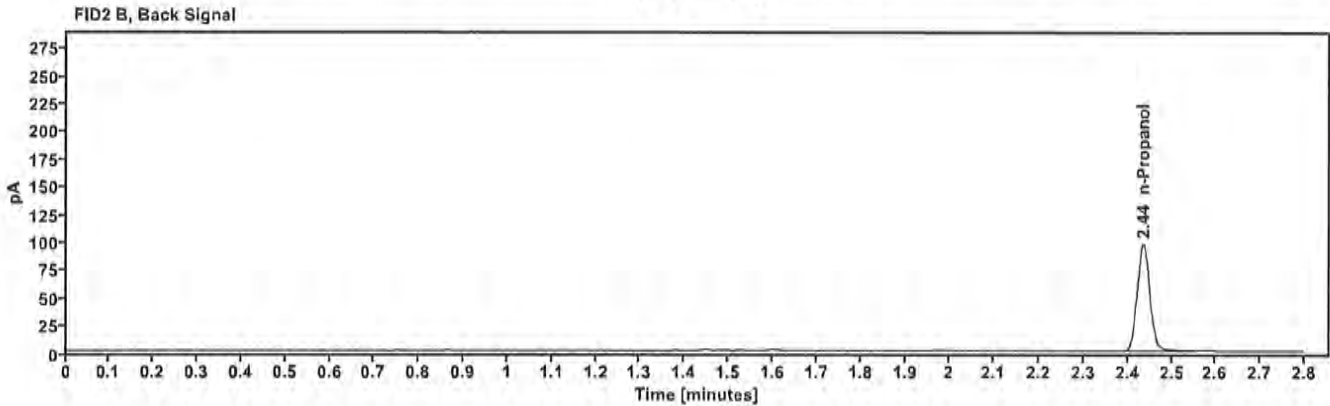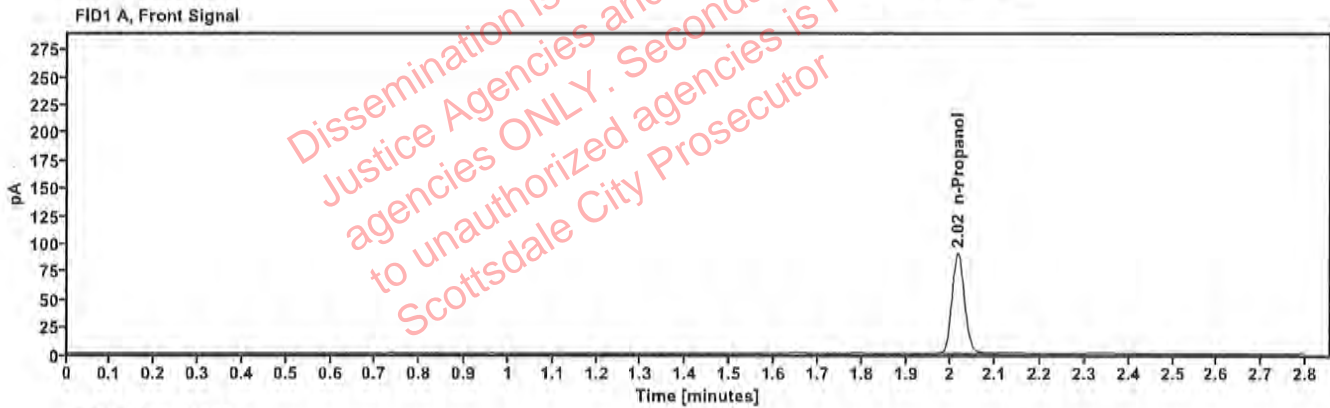|			
Sample:	101921WB	Vial:	56
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 2:10:30 PM
Data file:	C:\Chem32\1\Data\14Dec22\56.D	Analyst:	Canonico

FID1 A, Front Signal

2.02 n-Propanol

FID2 B, Back Signal

2.44 n-Propanol

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	——	2.016	178.593

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	193.919

Sequence name: 14Dec22   **Instrument:** US14173023 CN14160045   **Analyst:** Canonico

Vial	Sample	Description	Type	LIMS ID	Method
1	FN10051909	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN02052101	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	100722AQ	Negative	Control		ethanol quant.M
6	050721MIX	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	4110320133/8	0.199	Control		ethanol quant.M
10	2221570-3		Sample		ethanol quant.M
11	2221570-3		Sample		ethanol quant.M
12	2223262-3		Sample		ethanol quant.M
13	2223262-3		Sample		ethanol quant.M
14	2223319-2		Sample		ethanol quant.M
15	2223319-2		Sample		ethanol quant.M
16	353-01V.K.		Sample		ethanol quant.M
17	353-01V.K.		Sample		ethanol quant.M
18	326-01L.R.		Sample		ethanol quant.M
19	326-01L.R.		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	390-01T.T.		Sample		ethanol quant.M
22	390-01T.T.		Sample		ethanol quant.M
23	327-01D.H.		Sample		ethanol quant.M
24	327-01D.H.		Sample		ethanol quant.M
25	327-01E.P.		Sample		ethanol quant.M
26	327-01E.P.		Sample		ethanol quant.M
27	353-01C.H.		Sample		ethanol quant.M
28	353-01C.H.		Sample		ethanol quant.M
29	2221500-3		Sample		ethanol quant.M
30	2221500-3		Sample		ethanol quant.M
31	4110320133/8	0.199	Control		ethanol quant.M
32	2223593-1		Sample		ethanol quant.M
33	2223593-1		Sample		ethanol quant.M
34	2223317-3		Sample		ethanol quant.M
35	2223317-3		Sample		ethanol quant.M
36	2223244-2		Sample		ethanol quant.M
37	2223244-2		Sample		ethanol quant.M
38	2223177-2		Sample		ethanol quant.M
39	2223177-2		Sample		ethanol quant.M
40	2223320-2		Sample		ethanol quant.M
41	2223320-2		Sample		ethanol quant.M
42	20012020-B	0.080	Control		ethanol quant.M
43	2222485-2		Sample		ethanol quant.M
44	2222485-2		Sample		ethanol quant.M
45	2222925-3		Sample		ethanol quant.M
46	2222925-3		Sample		ethanol quant.M
47	2223371-2		Sample		ethanol quant.M

Sequence Summary

48	2223371-2		Sample		ethanol quant.M
49	2223446-3		Sample		ethanol quant.M
50	2223446-3		Sample		ethanol quant.M
51	1422164		Sample		ethanol quant.M
52	1422164		Sample		ethanol quant.M
53	11092018-A	0.400	Control		ethanol quant.M
54	14082019-B	0.040	Control		ethanol quant.M
55	4110320133/8	0.199	Control		ethanol quant.M
56	101921WB	Negative	Control		ethanol quant.M

Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

ANALYST: Canonico   **SEQUENCE: 14Dec22**

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2221570-3	2221570-3	2221570-3	Yes
Vials 12 and 13	2223262-3	2223262-3	2223262-3	Yes
Vials 14 and 15	2223319-2	2223319-2	2223319-2	Yes
Vials 16 and 17	353-01V.K.	353-01V.K.	353-01V.K.	Yes
Vials 18 and 19	326-01L.R.	326-01L.R.	326-01L.R.	Yes
Vials 21 and 22	390-01T.T.	390-01T.T.	390-01T.T.	Yes
Vials 23 and 24	327-01D.H.	327-01D.H.	327-01D.H.	Yes
Vials 25 and 26	327-01E.P.	327-01E.P.	327-01E.P.	Yes
Vials 27 and 28	353-01C.H.	353-01C.H.	353-01C.H.	Yes
Vials 29 and 30	2221500-3	2221500-3	2221500-3	Yes
Vials 32 and 33	2223593-1	2223593-1	2223593-1	Yes
Vials 34 and 35	2223317-3	2223317-3	2223317-3	Yes
Vials 36 and 37	2223244-2	2223244-2	2223244-2	Yes
Vials 38 and 39	2223177-2	2223177-2	2223177-2	Yes
Vials 40 and 41	2223320-2	2223320-2	2223320-2	Yes
Vials 43 and 44	2222485-2	2222485-2	2222485-2	Yes
Vials 45 and 46	2222925-3	2222925-3	2222925-3	Yes
Vials 47 and 48	2223371-2	2223371-2	2223371-2	Yes
Vials 49 and 50	2223446-3	2223446-3	2223446-3	Yes
Vials 51 and 52	1422164	1422164	1422164	Yes

VOID

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221570-3	**Vial:**	10
Description:	▮▮▮▮▮▮▮▮▮▮	**LIMS ID:**	▮▮▮▮▮▮▮▮▮▮
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 11:04:29 AM
Data file:	C:\Chem32\1\Data\14Dec22\10.D	**Analyst:**	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
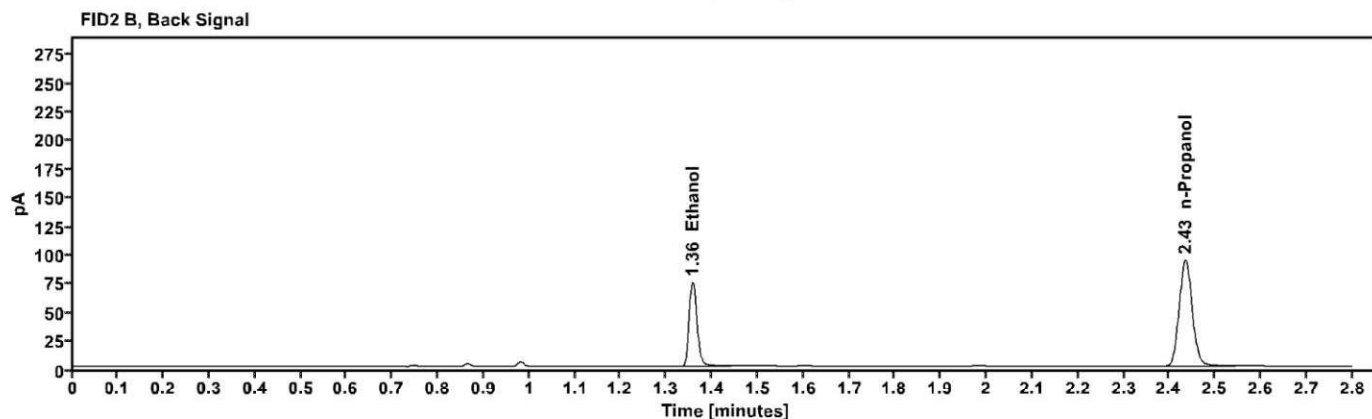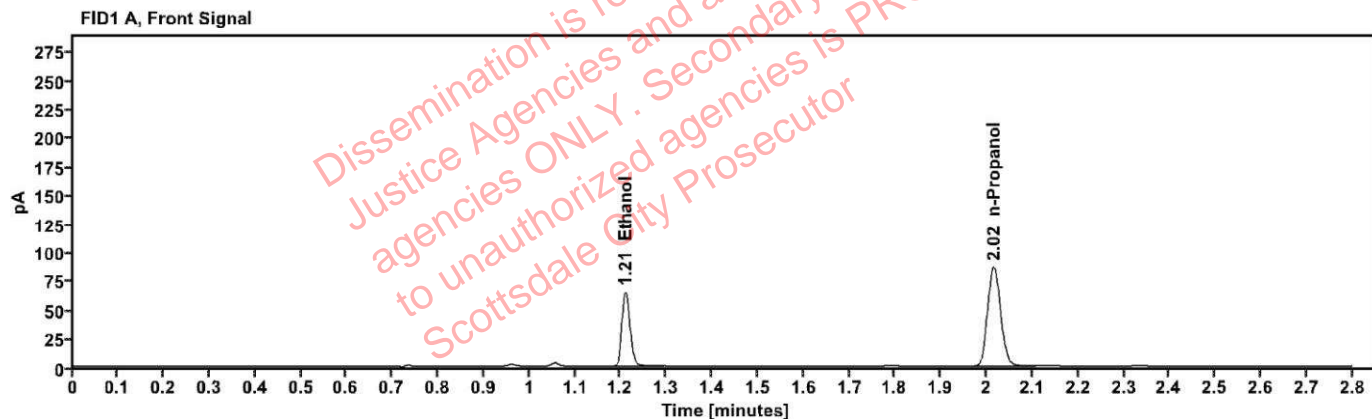
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1354	1.210	82.327
n-Propanol	------	2.015	171.799

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

Compound	Time (min)	Peak Area
Ethanol	1.357	89.610
n-Propanol	2.435	185.631

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221570-3	Vial:	11
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:08:30 AM
Data file:	C:\Chem32\1\Data\14Dec22\11.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
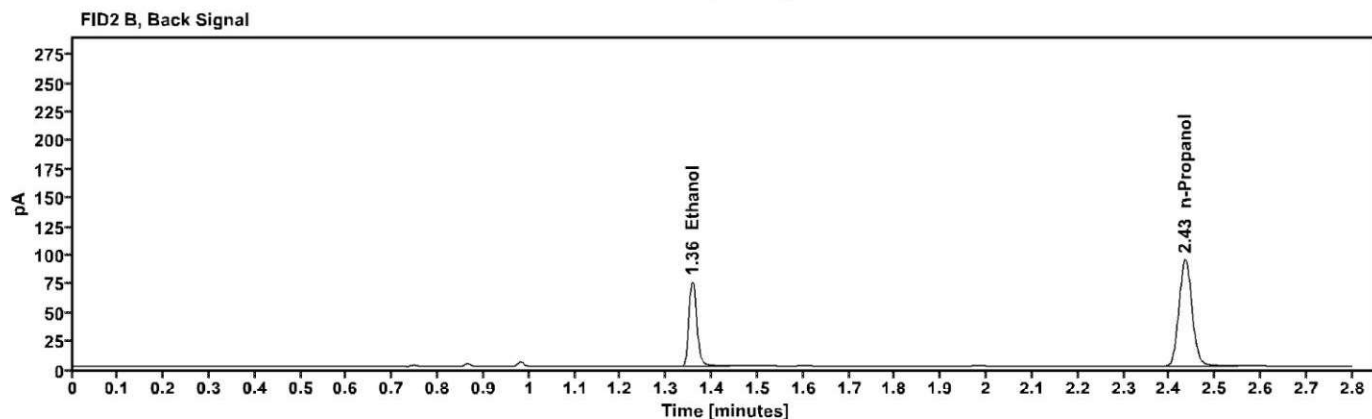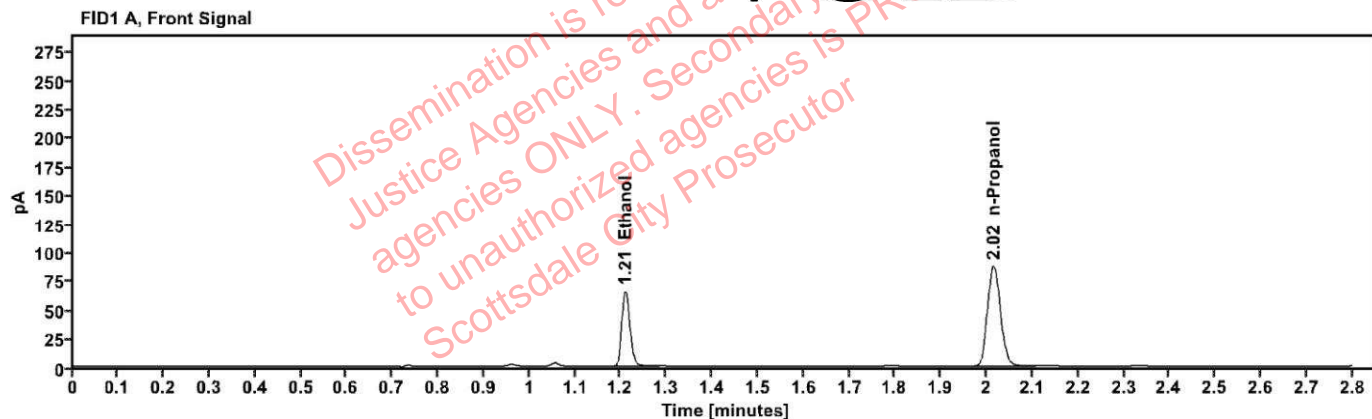
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1351	1.210	82.763
n-Propanol	------	2.015	173.149

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

Compound	Time (min)	Peak Area
Ethanol	1.356	90.033
n-Propanol	2.434	187.311

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223262-3	Vial:	12
Description:	████████████	LIMS ID:	████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:12:29 AM
Data file:	C:\Chem32\1\Data\14Dec22\12.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.01 n-Propanol

FID2 B, Back Signal

1.35 Ethanol
2.43 n-Propanol
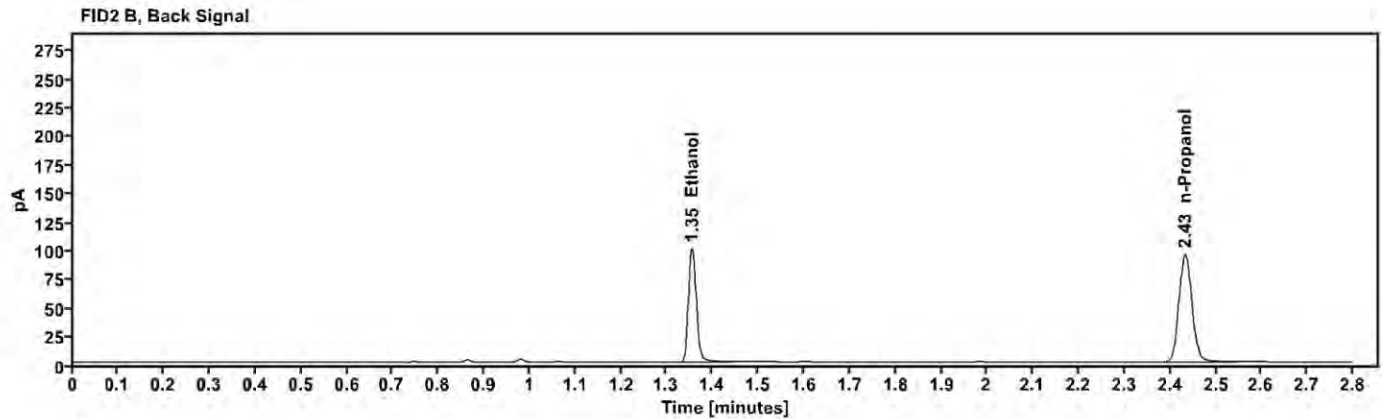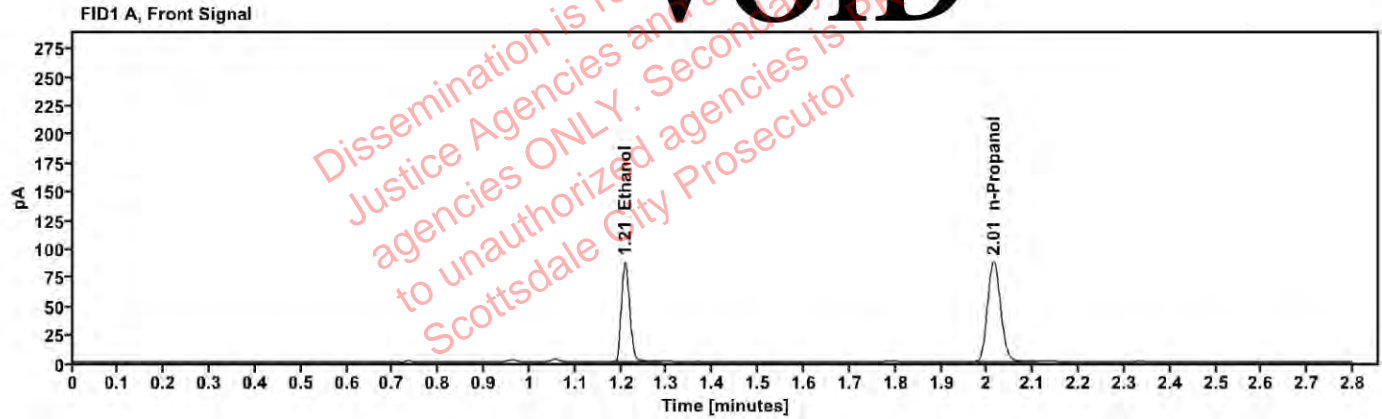
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1787	1.208	110.669
n-Propanol	------	2.014	174.585

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

Compound	Time (min)	Peak Area
Ethanol	1.355	120.691
n-Propanol	2.433	188.623

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223262-3	Vial:	13
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:16:45 AM
Data file:	C:\Chem32\1\Data\14Dec22\13.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
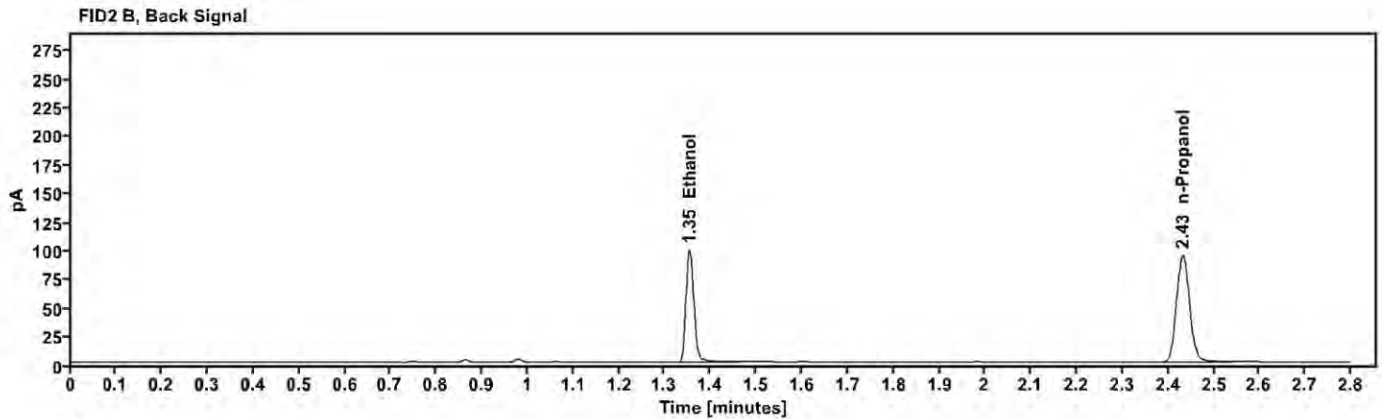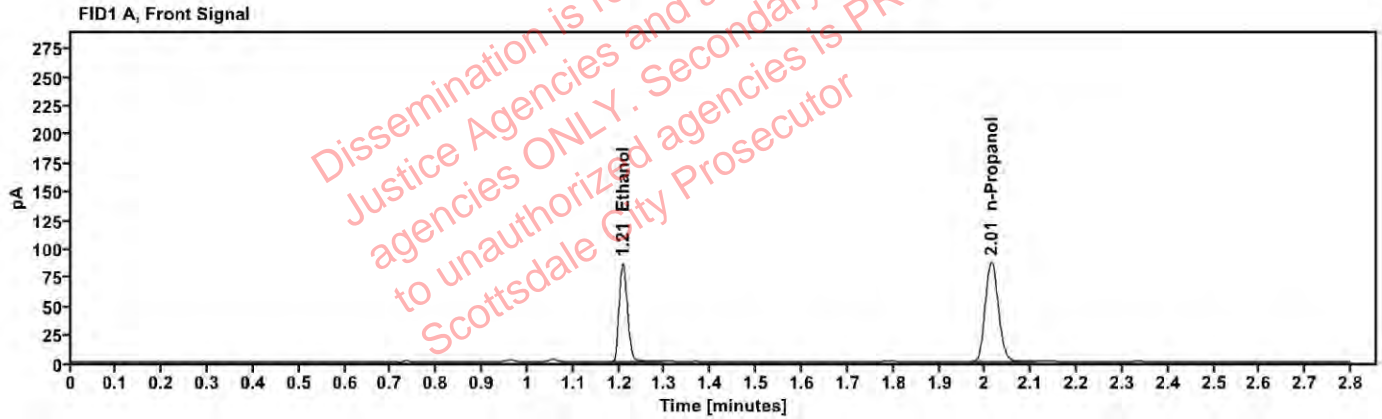
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1778	1.208	109.500
n-Propanol	------	2.013	173.583

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

Compound	Time (min)	Peak Area
Ethanol	1.354	119.729
n-Propanol	2.432	187.409

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223319-2	Vial:	14
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:20:45 AM
Data file:	C:\Chem32\1\Data\14Dec22\14.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
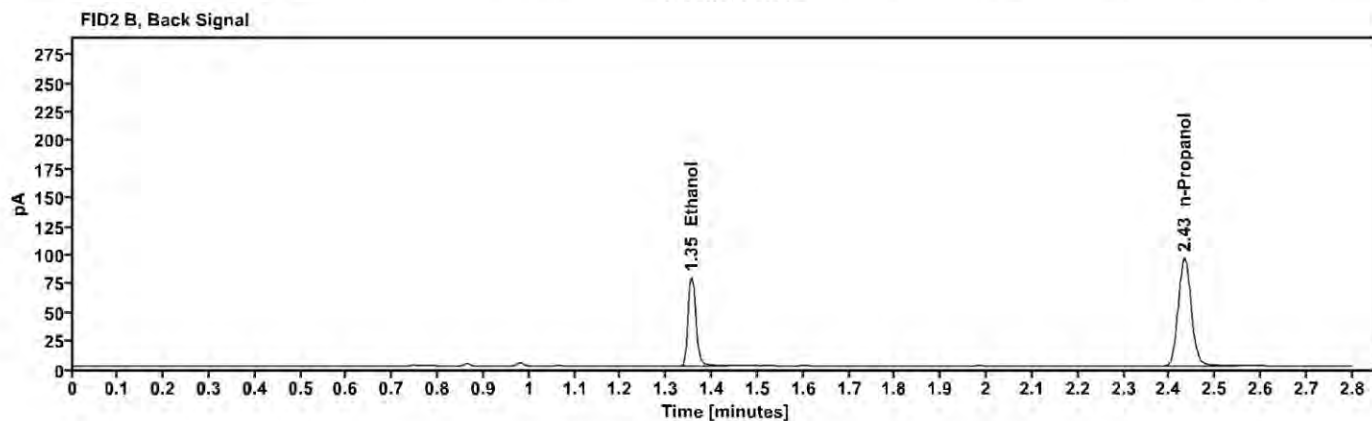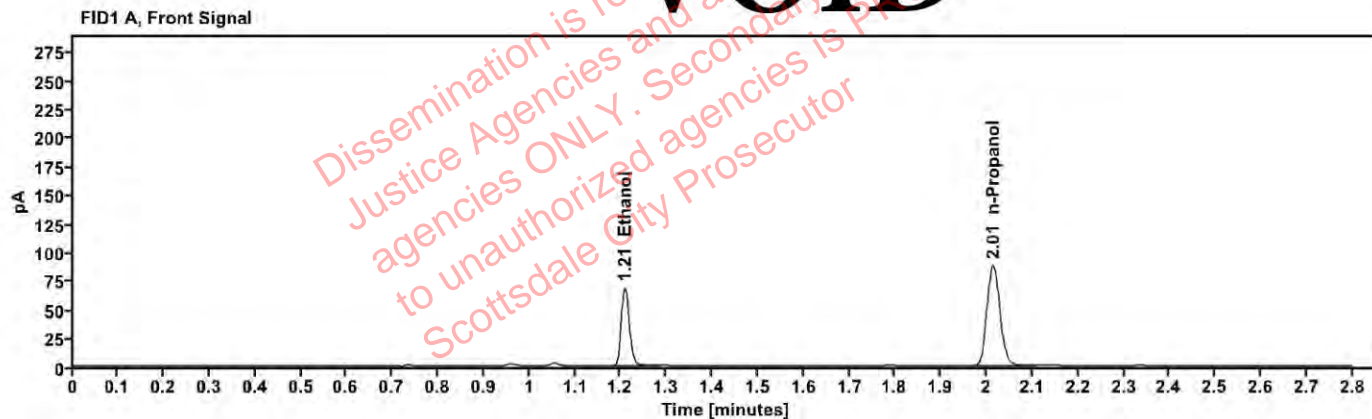
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1396	1.209	86.475
n-Propanol	------	2.014	175.018

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

Compound	Time (min)	Peak Area
Ethanol	1.355	94.073
n-Propanol	2.432	189.418

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223319-2	Vial:	15
Description:	████████████	LIMS ID:	████████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:24:45 AM
Data file:	C:\Chem32\1\Data\14Dec22\15.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
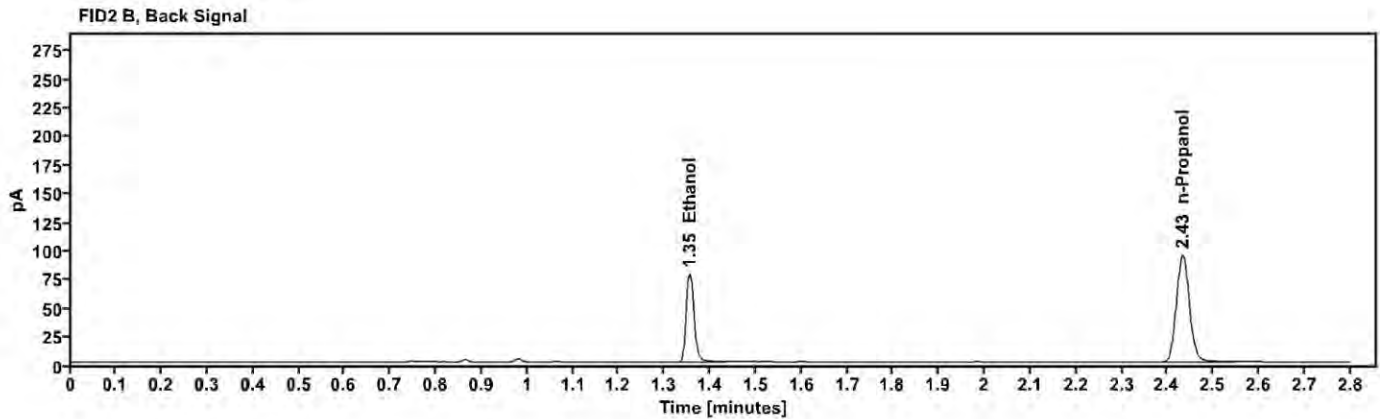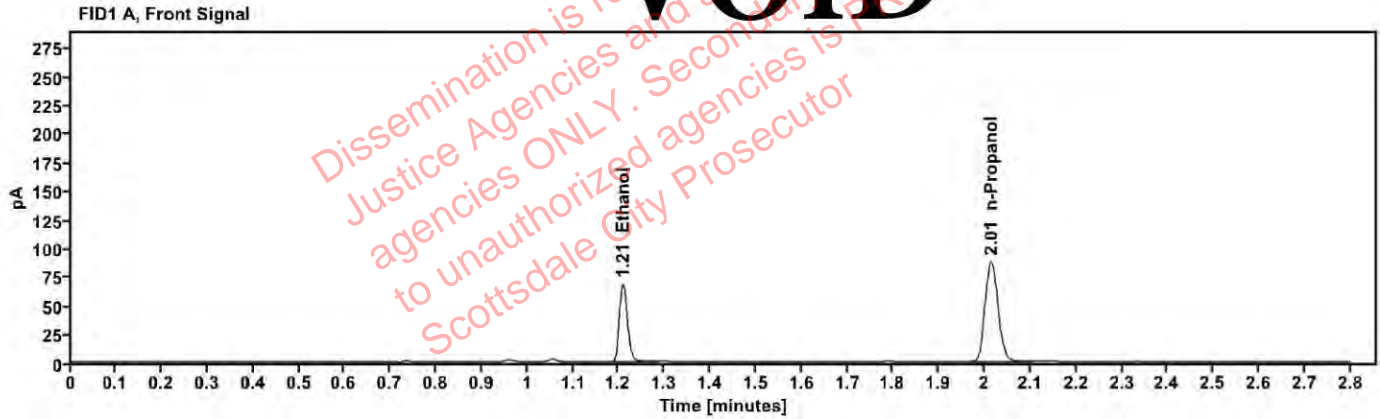
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1399	1.209	86.218
n-Propanol	------	2.014	174.108

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

Compound	Time (min)	Peak Area
Ethanol	1.355	93.628
n-Propanol	2.433	188.297

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01V.K.	Vial:	16
Description:	▮▮▮▮▮	LIMS ID:	▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:28:45 AM
Data file:	C:\Chem32\1\Data\14Dec22\16.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
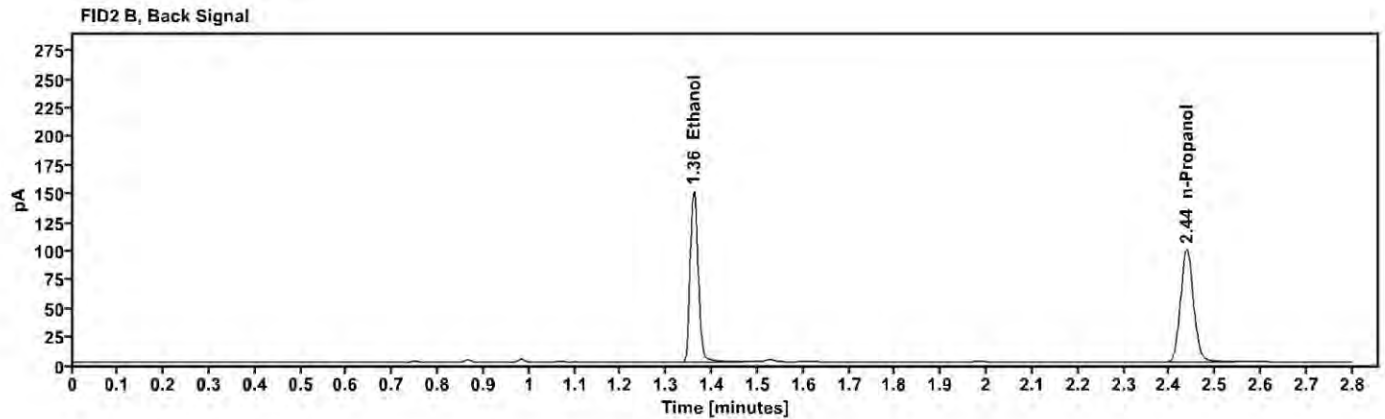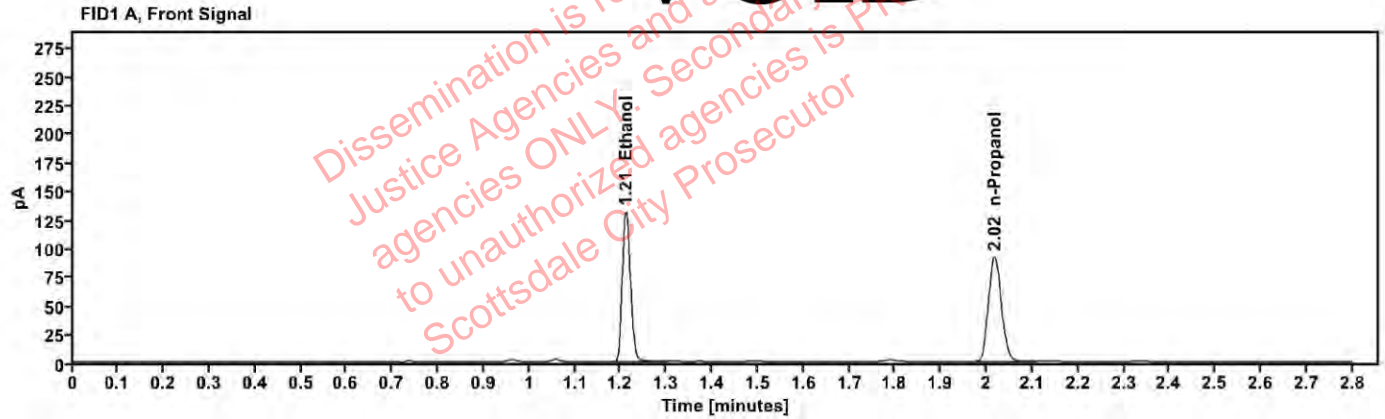
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2580	1.211	167.093
n-Propanol	-----	2.017	182.102

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

Compound	Time (min)	Peak Area
Ethanol	1.360	182.892
n-Propanol	2.438	196.379

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01V.K.	Vial:	17
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:32:44 AM
Data file:	C:\Chem32\1\Data\14Dec22\17.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
2.43 n-Propanol
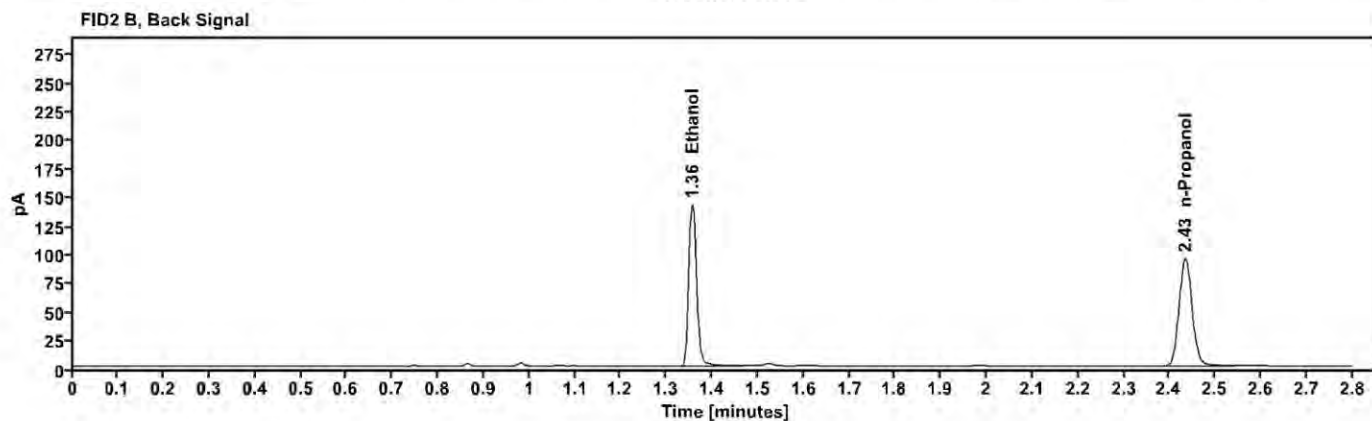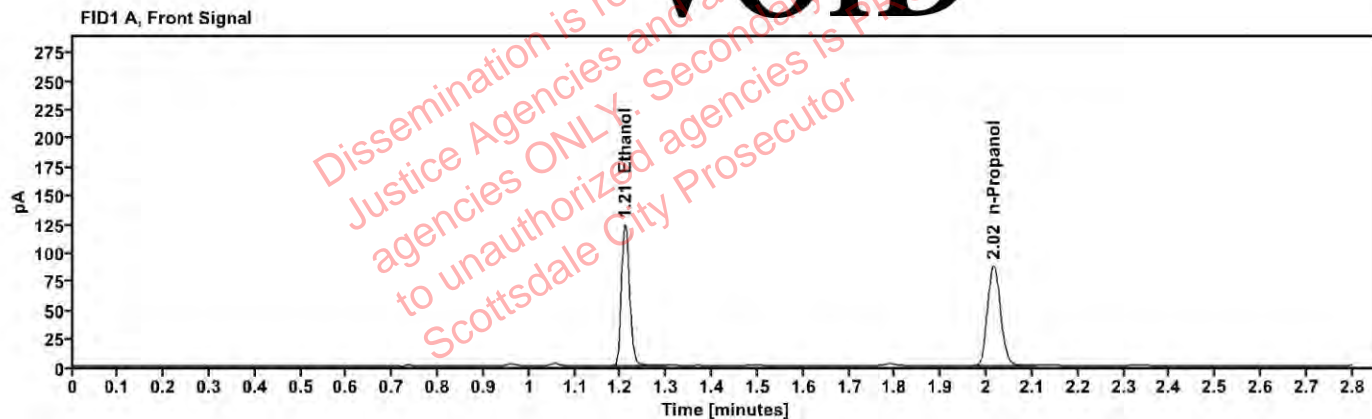
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2525	1.209	156.644
n-Propanol	------	2.015	174.484

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

Compound	Time (min)	Peak Area
Ethanol	1.356	172.668
n-Propanol	2.434	188.284

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	326-01L.R.	**Vial:**	18
Description:	▉▉▉▉▉▉▉	**LIMS ID:**	▉▉▉▉▉▉
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 11:36:45 AM
Data file:	C:\Chem32\1\Data\14Dec22\18.D	**Analyst:**	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
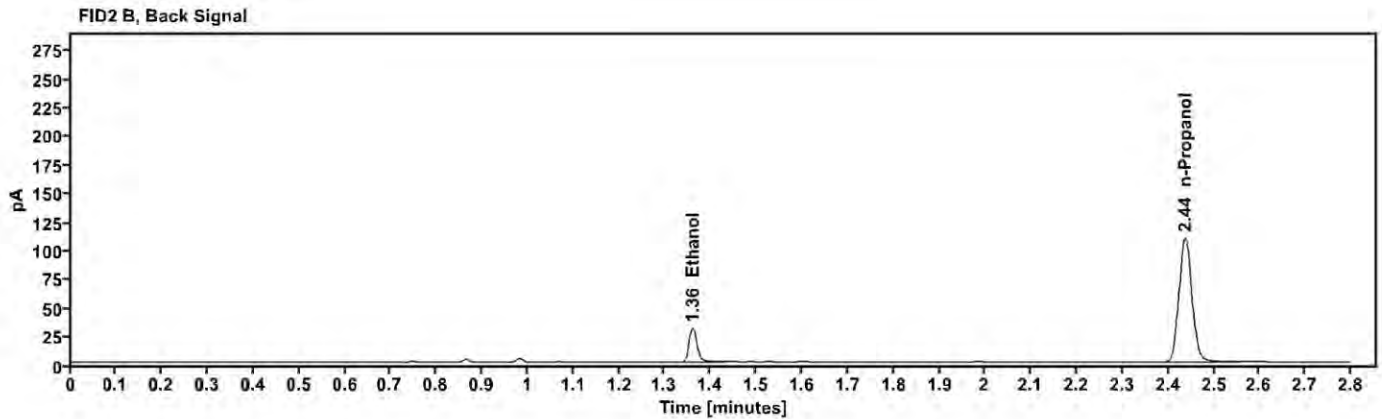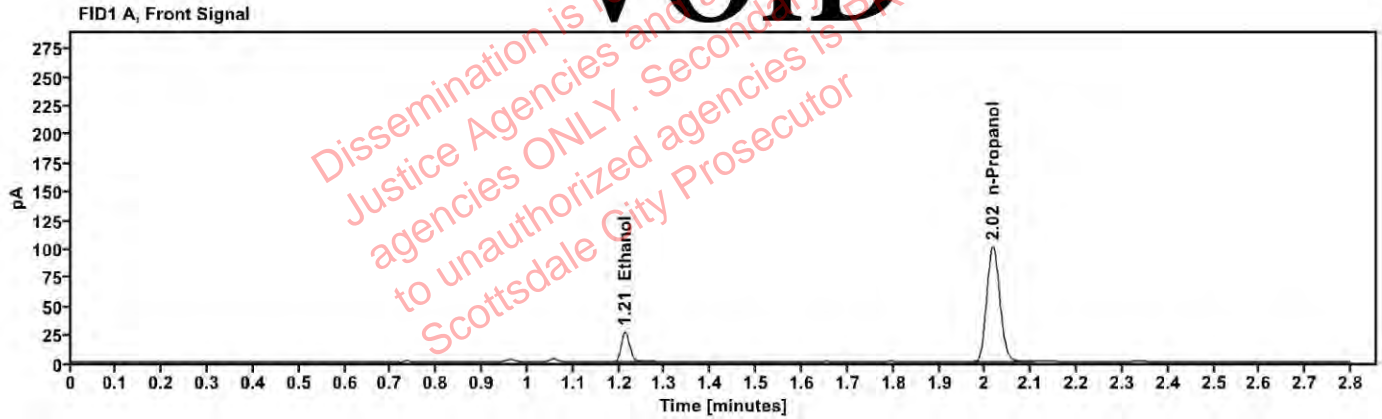
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0482	1.213	33.627
n-Propanol	------	2.017	200.604

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

Compound	Time (min)	Peak Area
Ethanol	1.360	37.083
n-Propanol	2.437	217.227

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	326-01L.R.		Vial:	19
Description:	▇▇▇▇▇▇▇		LIMS ID:	▇▇▇▇▇▇▇
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 11:41:00 AM
Data file:	C:\Chem32\1\Data\14Dec22\19.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
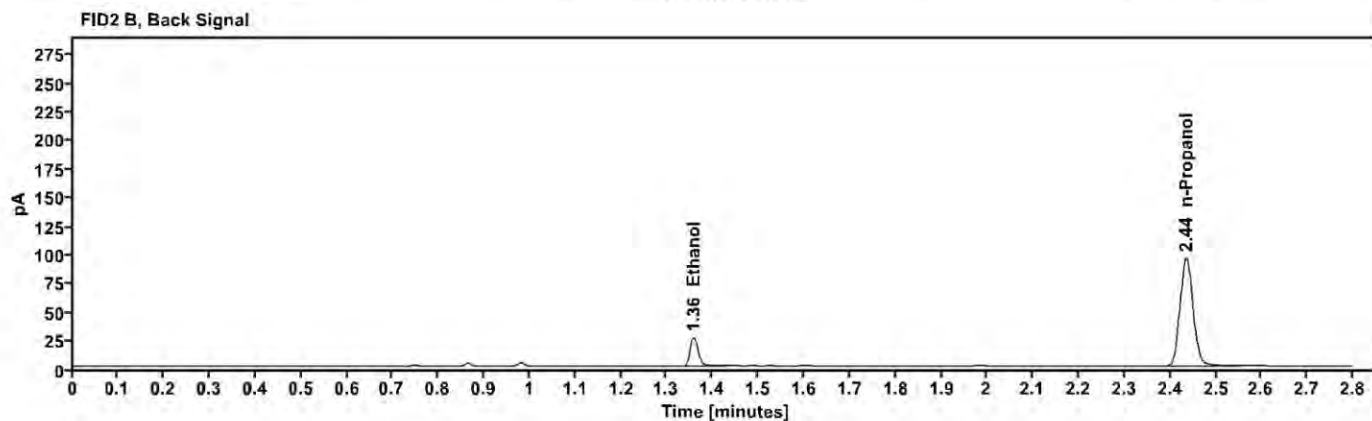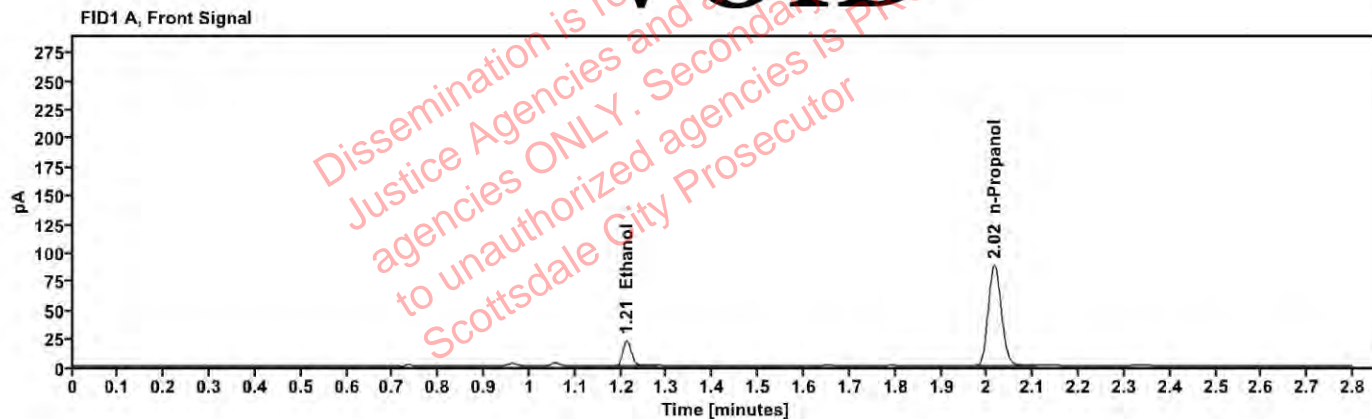
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0470	1.212	28.604
n-Propanol	------	2.016	175.286

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

Compound	Time (min)	Peak Area
Ethanol	1.358	31.401
n-Propanol	2.435	189.608

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01T.T.	Vial:	21
Description:	▮▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:48:59 AM
Data file:	C:\Chem32\1\Data\14Dec22\21.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
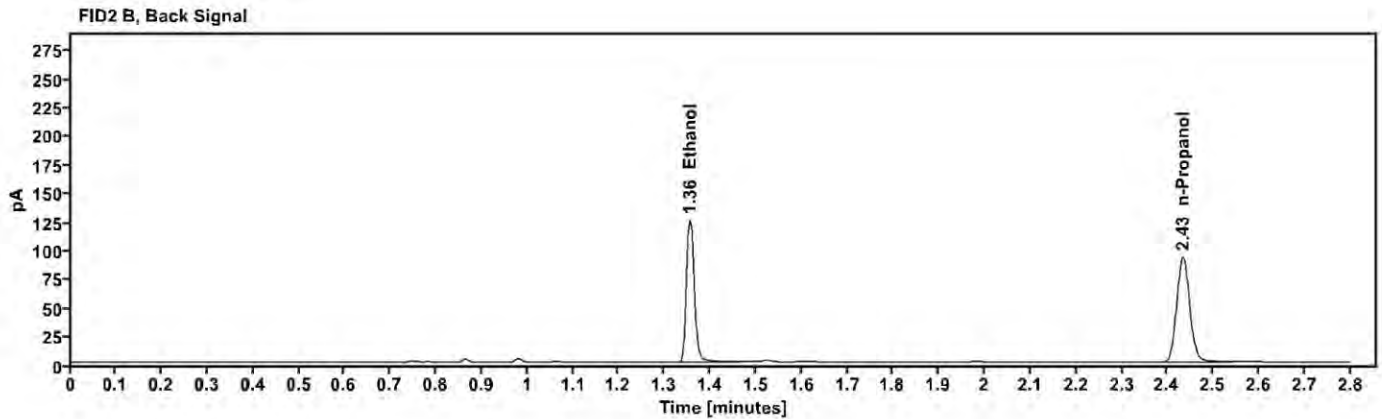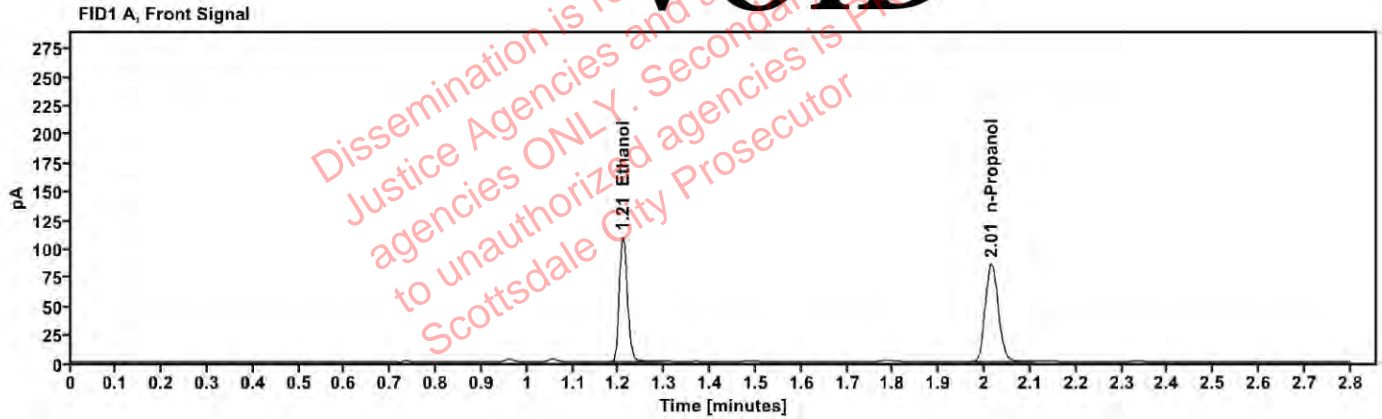
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2275	1.209	137.732
n-Propanol	------	2.015	170.376

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

Compound	Time (min)	Peak Area
Ethanol	1.355	150.681
n-Propanol	2.433	184.015

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	390-01T.T.	Vial:	22
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:53:00 AM
Data file:	C:\Chem32\1\Data\14Dec22\22.D	Analyst:	Canonico

VOID

FID1 A, Front Signal

1.21 Ethanol
2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
2.44 n-Propanol
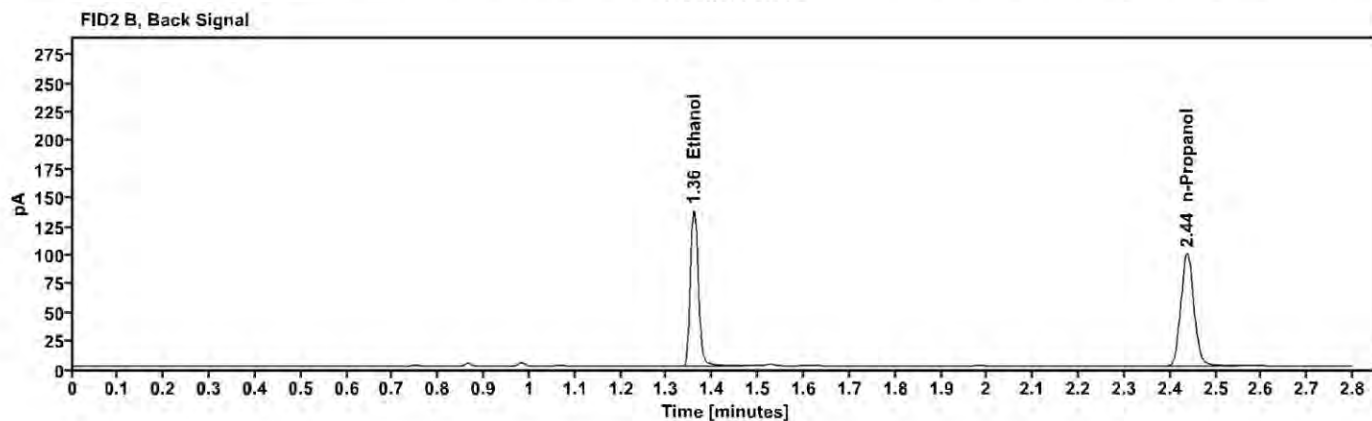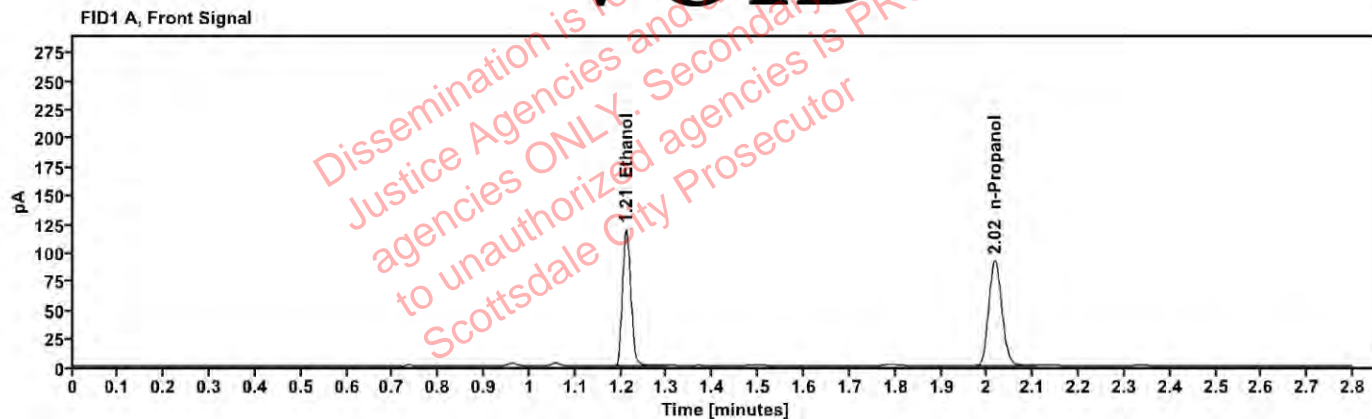
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2344	1.211	152.444
n-Propanol	------	2.017	182.981

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

Compound	Time (min)	Peak Area
Ethanol	1.359	166.796
n-Propanol	2.437	197.596

Scottsdale Police Department Crime Lab Volatiles Analysis

|			
Sample:	327-01D.H.	Vial:	23
Description:	▮▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 11:56:59 AM
Data file:	C:\Chem32\1\Data\14Dec22\23.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
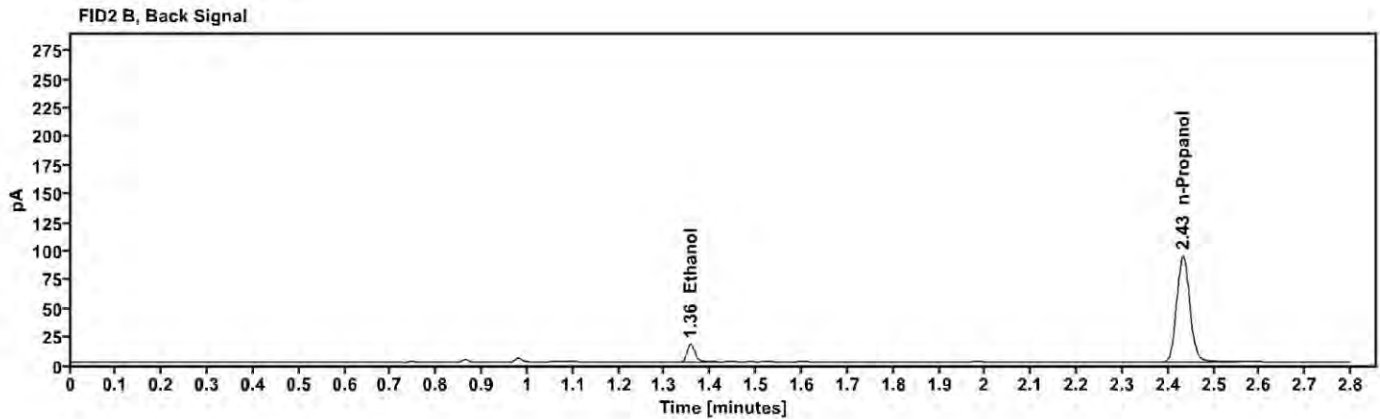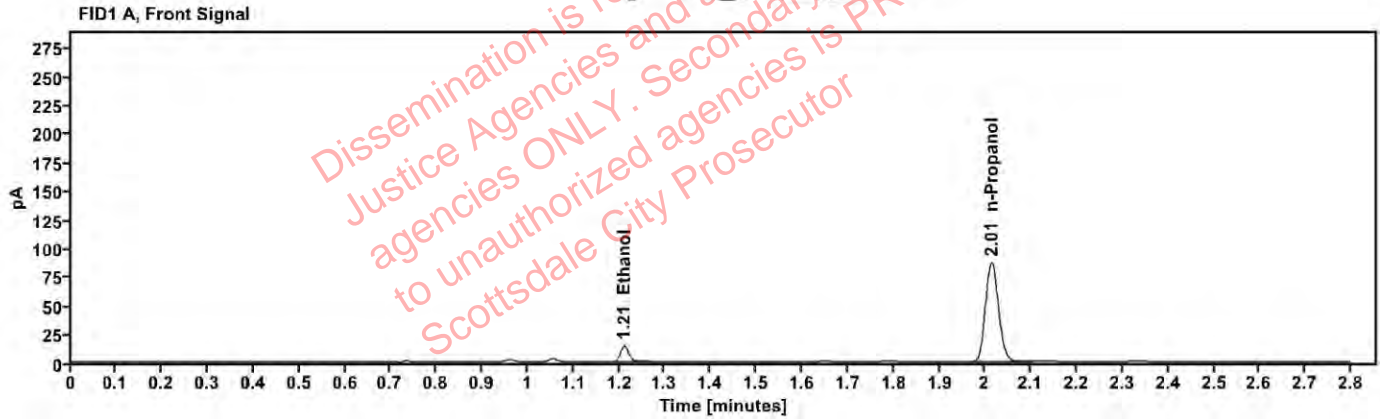
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0304	1.210	17.918
n-Propanol	-----	2.014	172.345

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

Compound	Time (min)	Peak Area
Ethanol	1.356	19.711
n-Propanol	2.432	186.751

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01D.H.	Vial:	24
Description:	▮▮▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:00:59 PM
Data file:	C:\Chem32\1\Data\14Dec22\24.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
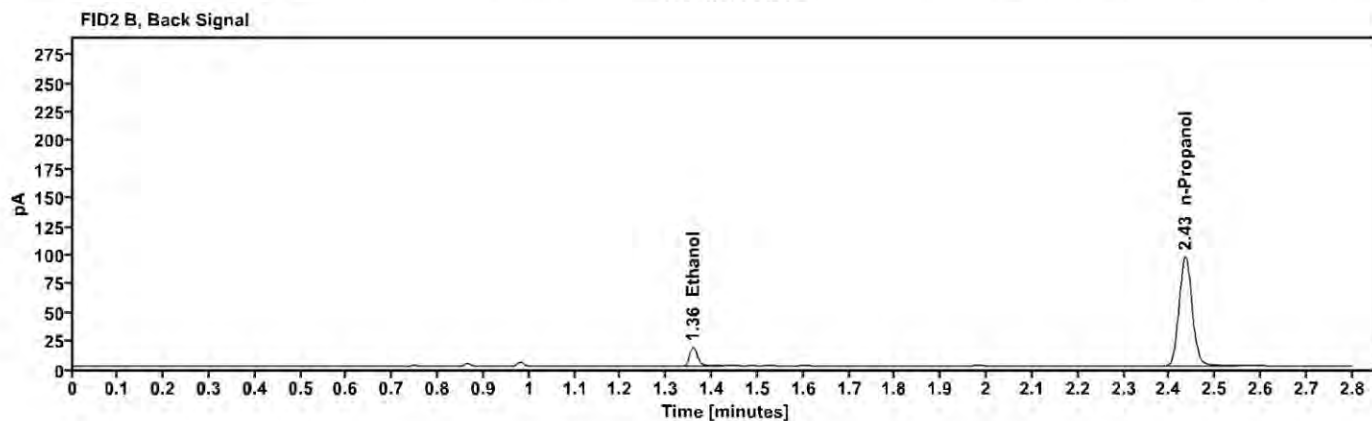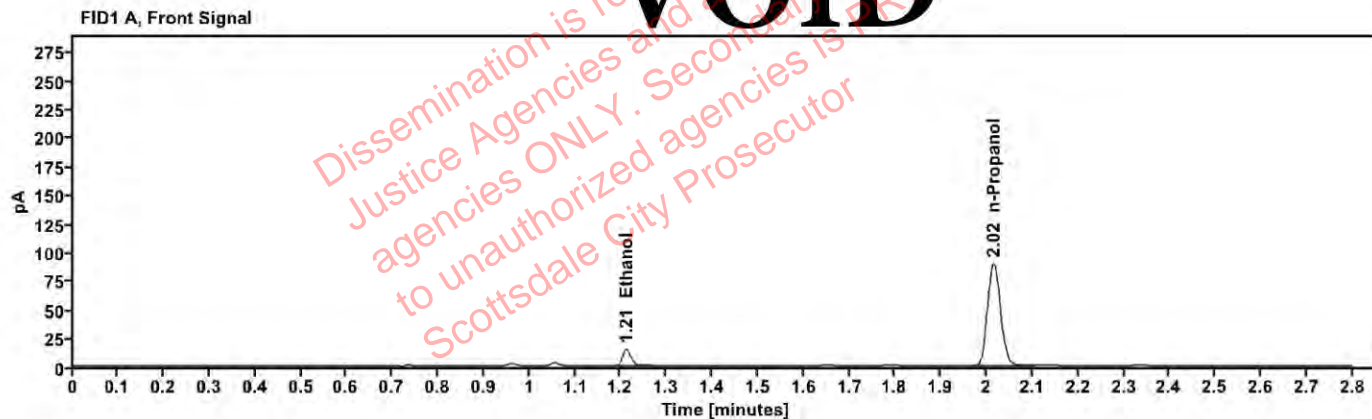
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0308	1.212	18.703
n-Propanol	-----	2.015	177.884

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

Compound	Time (min)	Peak Area
Ethanol	1.358	20.637
n-Propanol	2.434	192.551

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01E.P.	Vial:	25
Description:	▆▆▆▆▆▆▆▆▆▆	LIMS ID:	▆▆▆▆▆▆▆▆
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:05:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\25.D	Analyst:	Canonico

VOID

FID1 A, Front Signal

1.21 Ethanol

2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
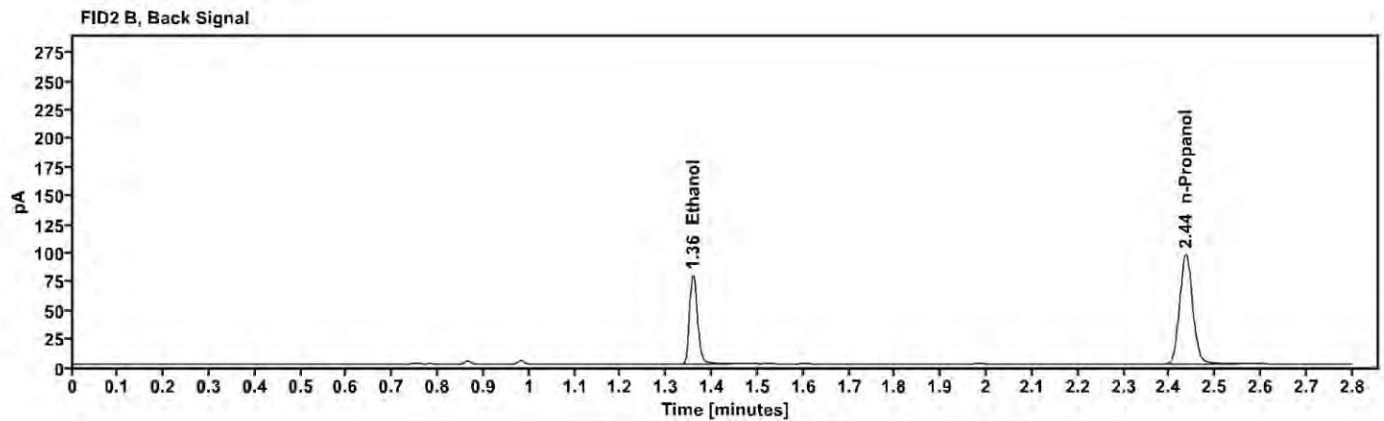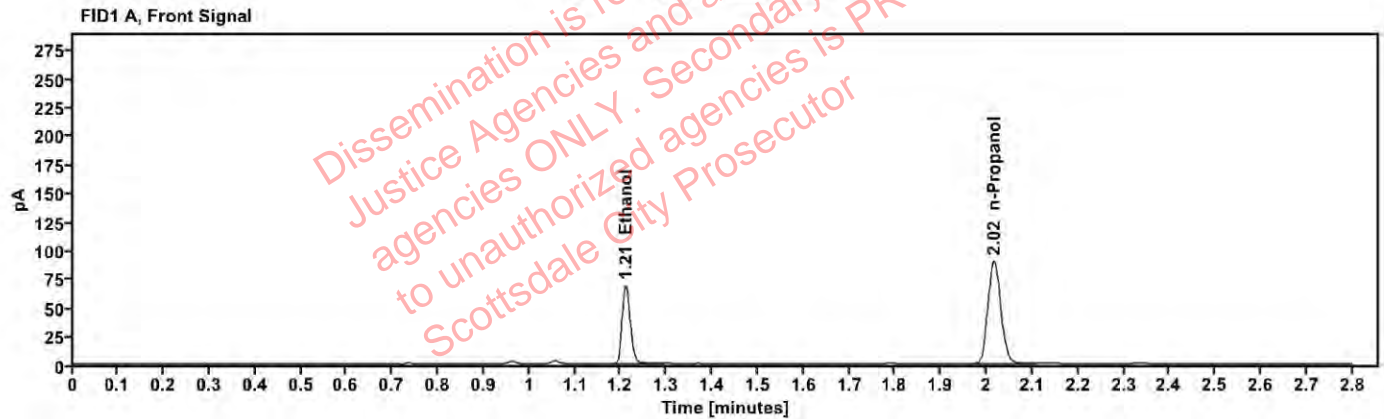
2.44 n-Propanol

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1388	1.211	87.414
n-Propanol	------	2.016	177.951

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

Compound	Time (min)	Peak Area
Ethanol	1.358	94.821
n-Propanol	2.436	192.227

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01E.P.	Vial:	26
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:09:14 PM
Data file:	C:\Chem32\1\Data\14Dec22\26.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol

2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
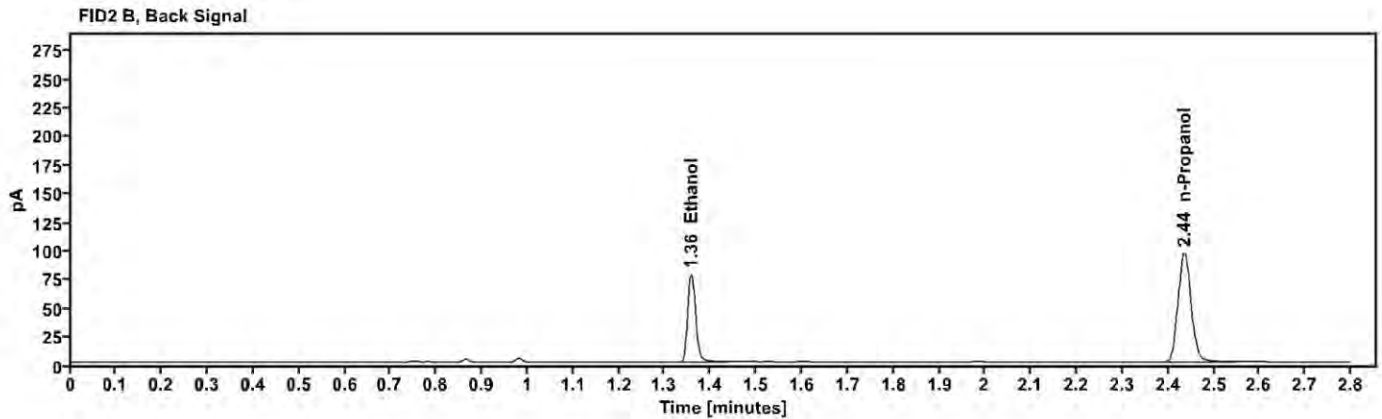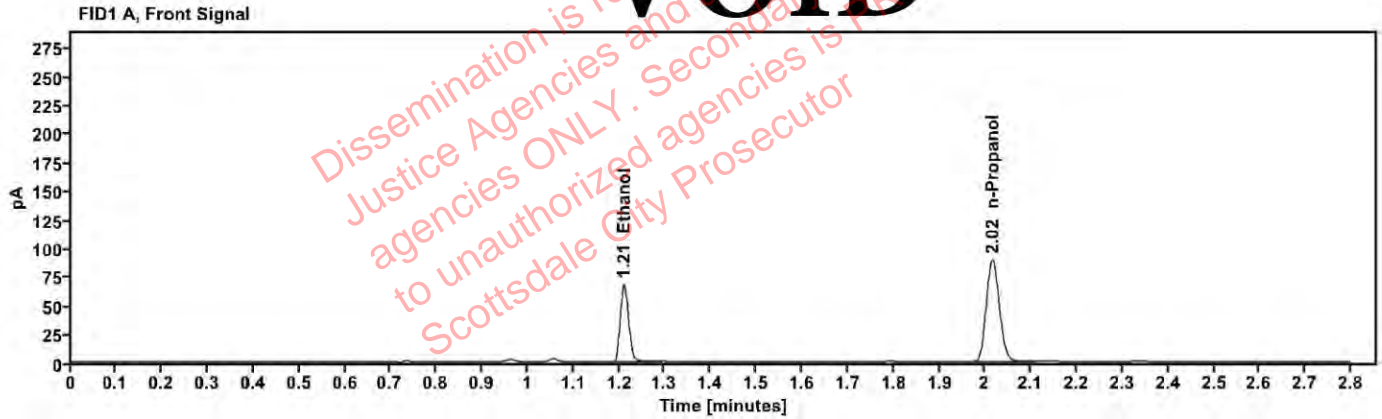
2.44 n-Propanol

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1377	1.210	86.459
n-Propanol	------	2.016	177.324

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

Compound	Time (min)	Peak Area
Ethanol	1.357	93.901
n-Propanol	2.435	191.628

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01C.H.	Vial:	27
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:13:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\27.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
2.44 n-Propanol
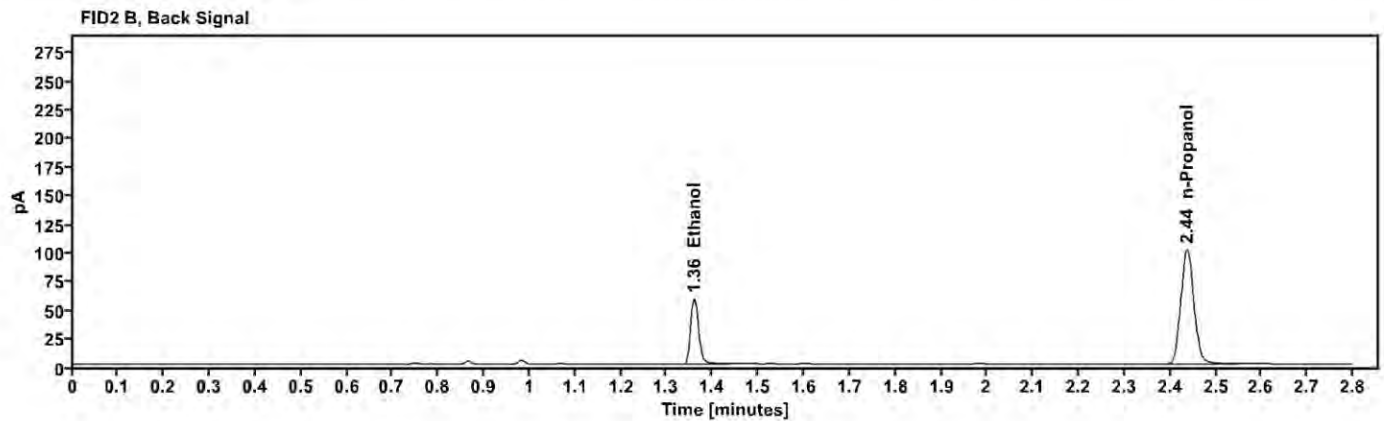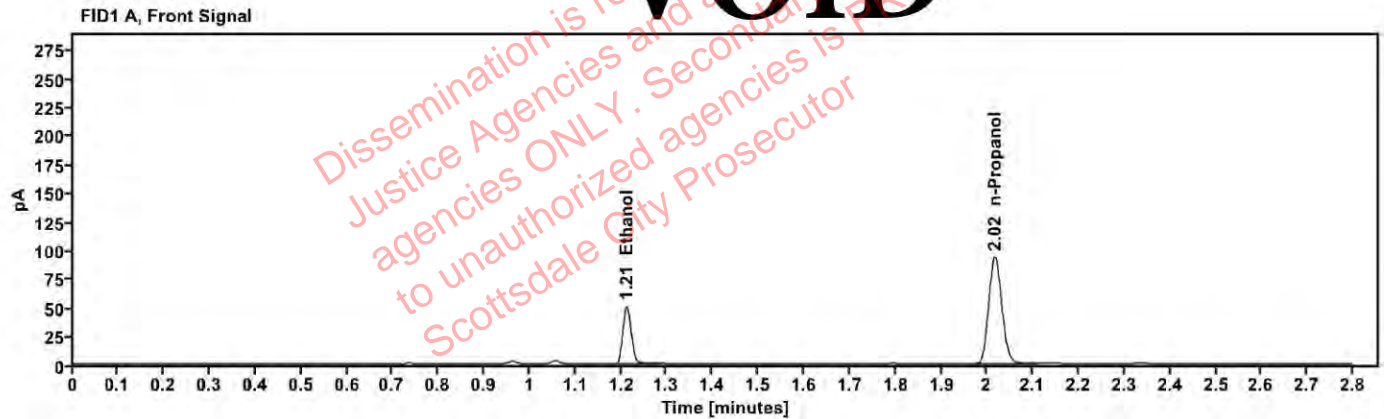
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0986	1.212	64.654
n-Propanol	-----	2.017	185.926

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

Compound	Time (min)	Peak Area
Ethanol	1.360	70.141
n-Propanol	2.437	200.821

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01C.H.	Vial:	28
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:17:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\28.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol

2.01 n-Propanol

FID2 B, Back Signal

1.35 Ethanol
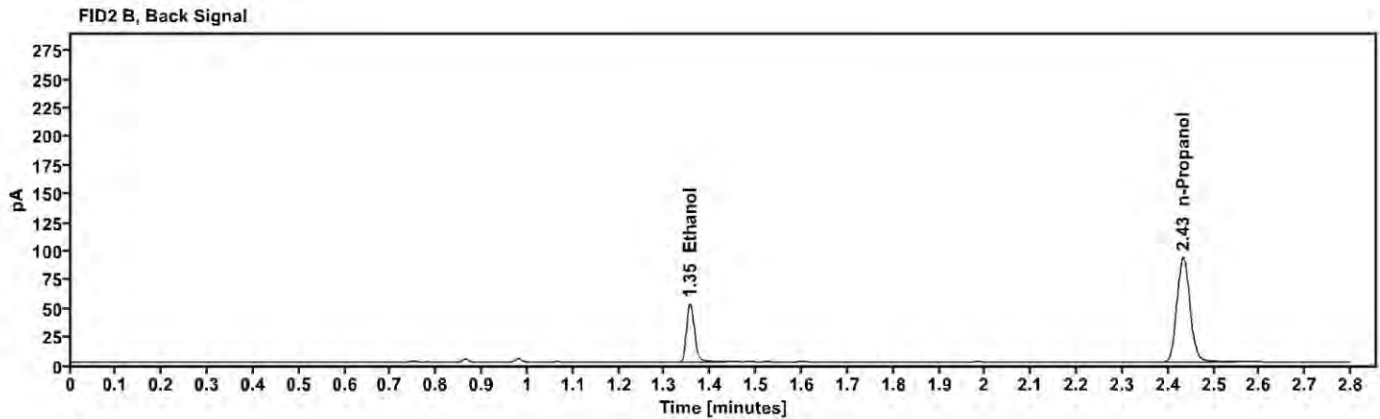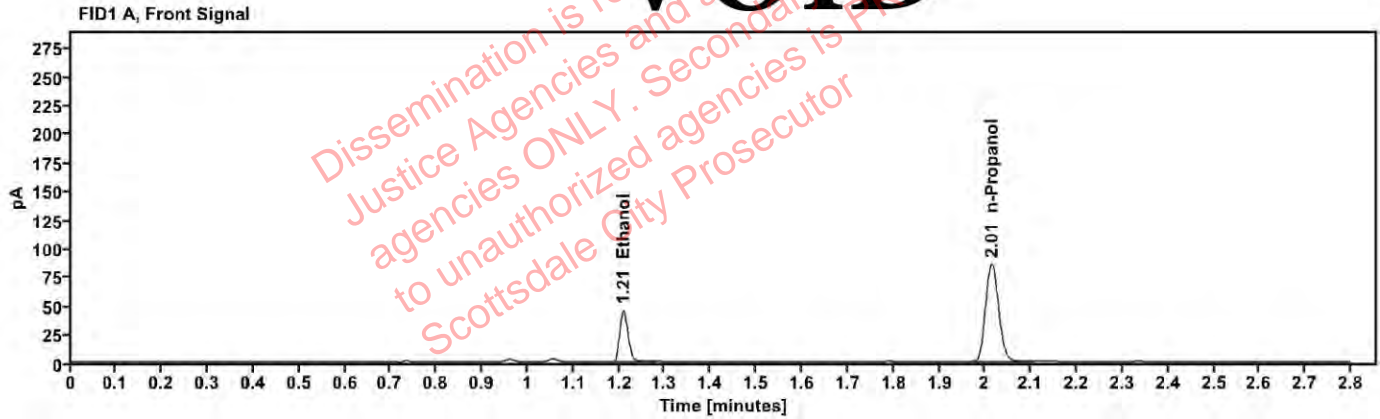
2.43 n-Propanol

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0957	1.209	57.421
n-Propanol	------	2.014	170.187

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

Compound	Time (min)	Peak Area
Ethanol	1.355	62.293
n-Propanol	2.433	184.046

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2221500-3	**Vial:**	29
Description:	███████████	**LIMS ID:**	███████████
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 12:21:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\29.D	**Analyst:**	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
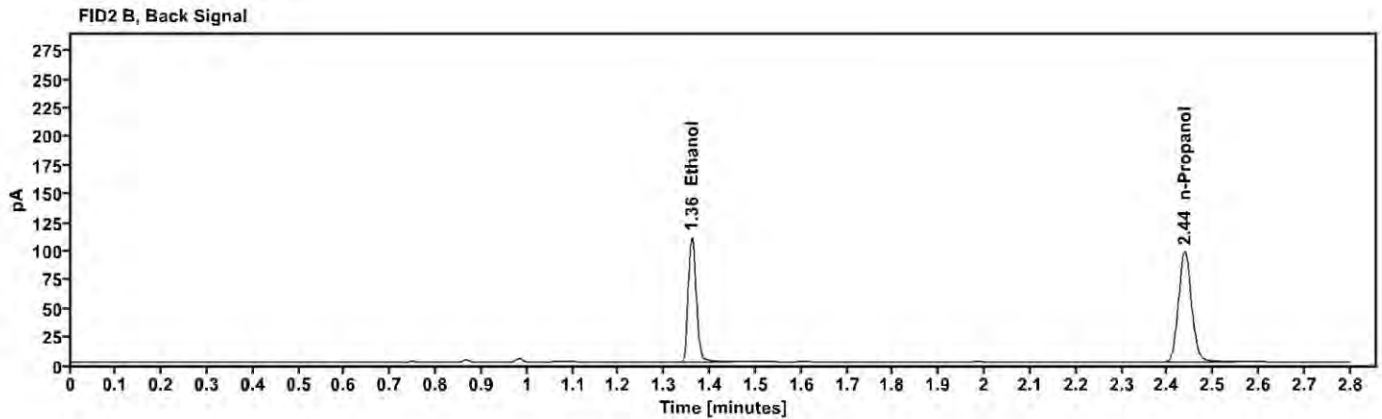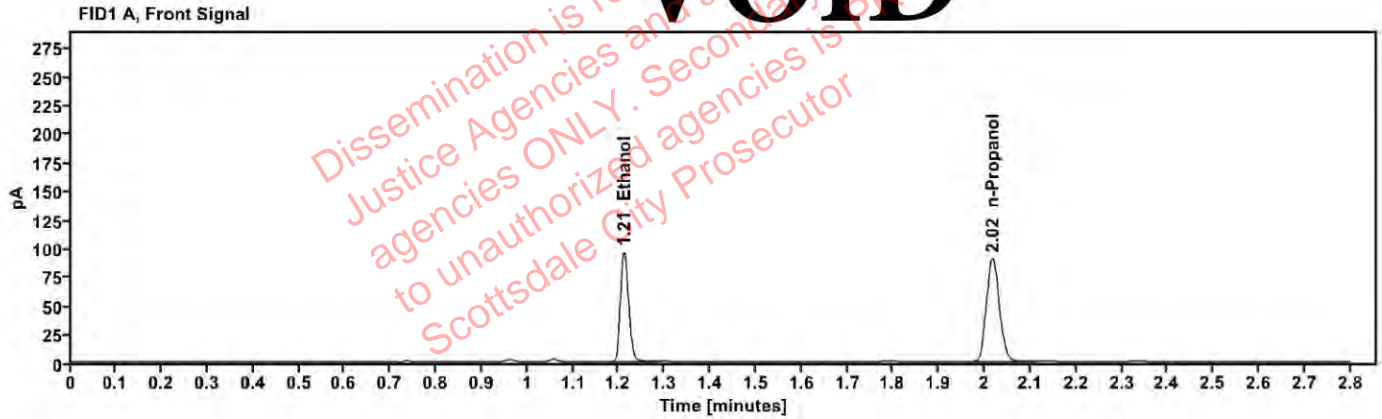
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1920	1.211	122.575
n-Propanol	------	2.017	179.799

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

Compound	Time (min)	Peak Area
Ethanol	1.360	133.553
n-Propanol	2.438	193.838

Page 1 of 1

Scottsdale Police Department Crime Lab Volatiles Analysis

|			
Sample:	2221500-3	Vial:	30
Description:	▮▮▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:25:14 PM
Data file:	C:\Chem32\1\Data\14Dec22\30.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
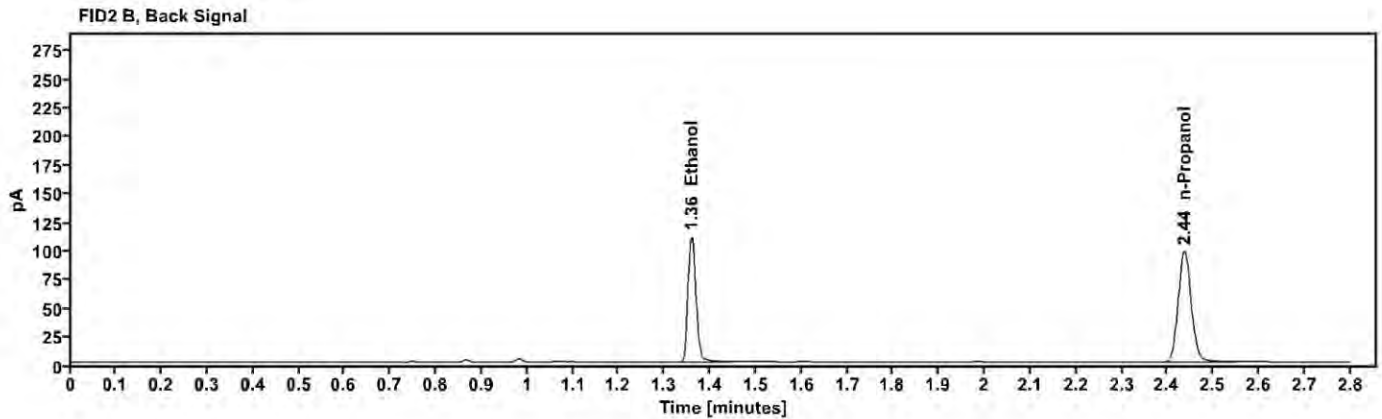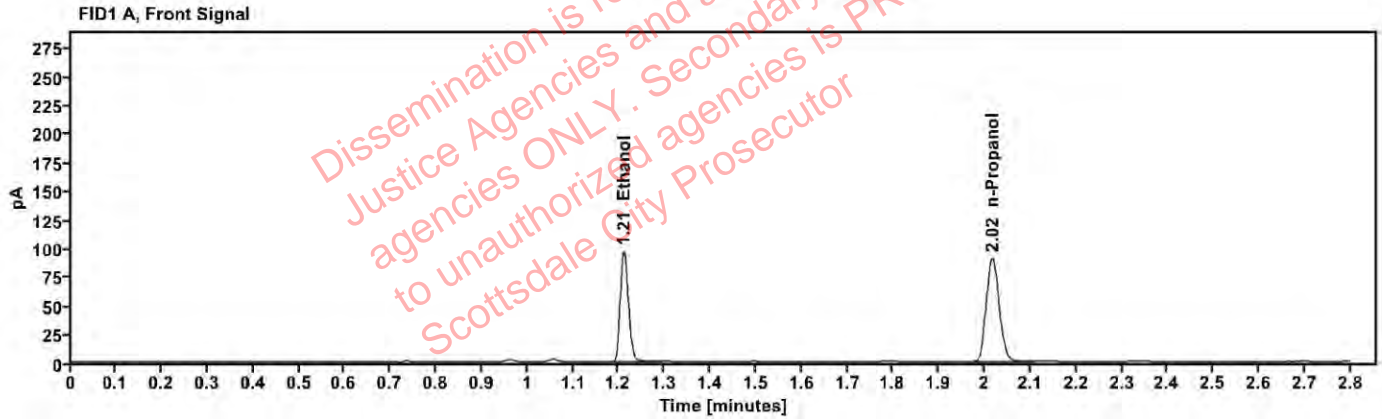
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1925	1.211	122.980
n-Propanol	------	2.017	179.936

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

Compound	Time (min)	Peak Area
Ethanol	1.359	134.235
n-Propanol	2.437	194.133

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223593-1	Vial:	32
Description:	███████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:33:29 PM
Data file:	C:\Chem32\1\Data\14Dec22\32.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
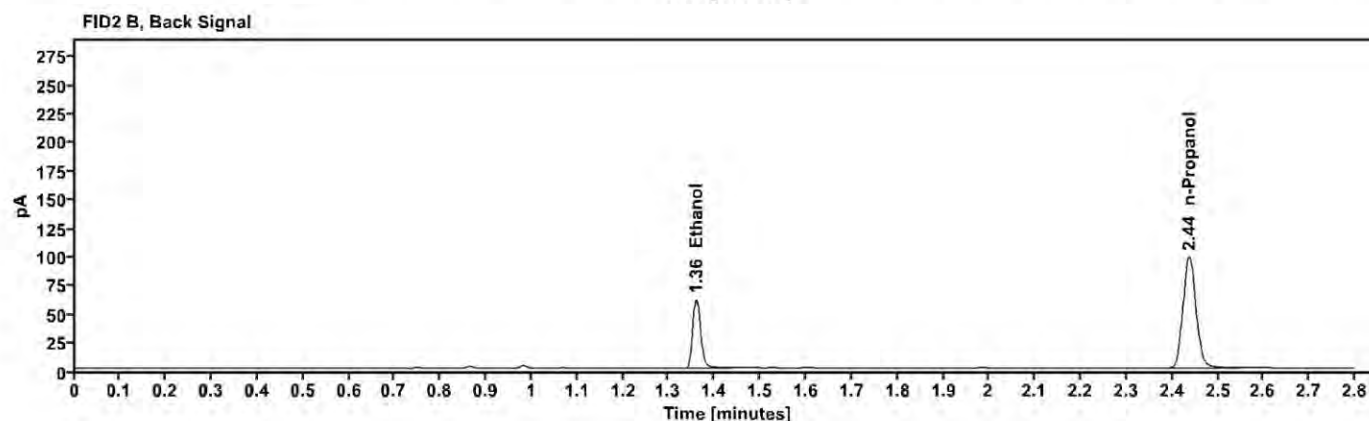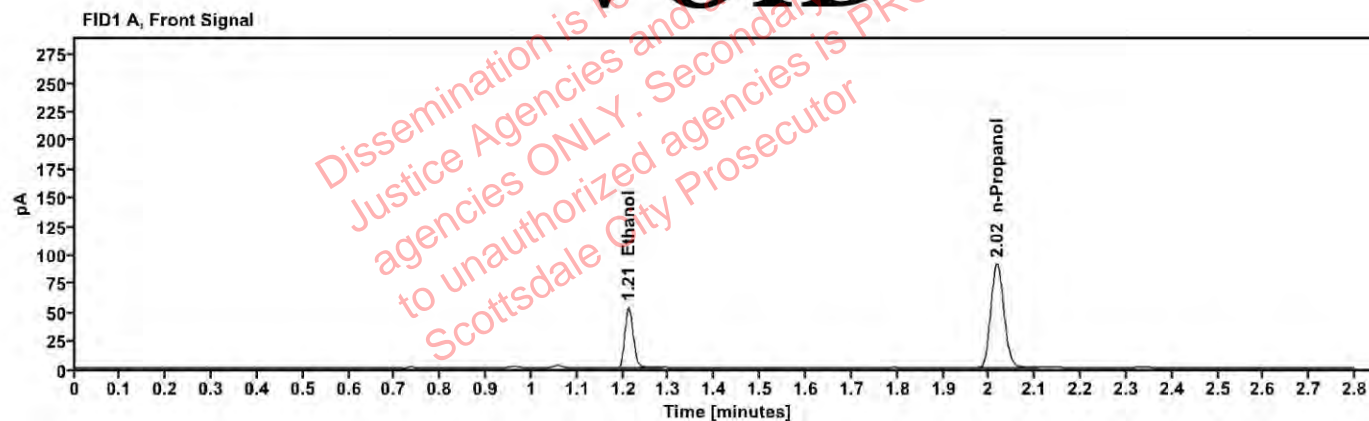
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1067	1.212	68.062
n-Propanol	------	2.017	180.730

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

Compound	Time (min)	Peak Area
Ethanol	1.360	73.946
n-Propanol	2.437	195.250

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223593-1	Vial:	33
Description:	▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:37:30 PM
Data file:	C:\Chem32\1\Data\14Dec22\33.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.01 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
2.43 n-Propanol
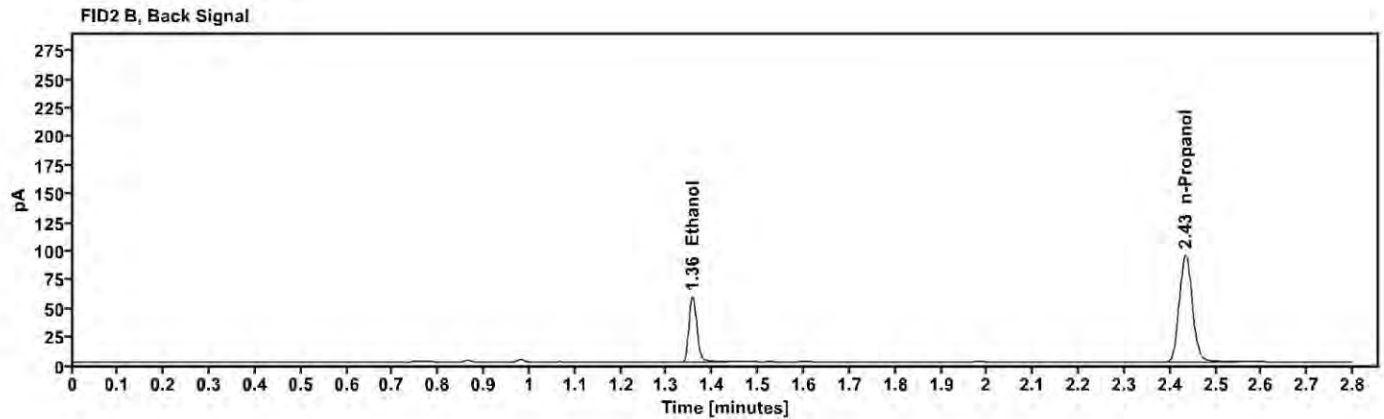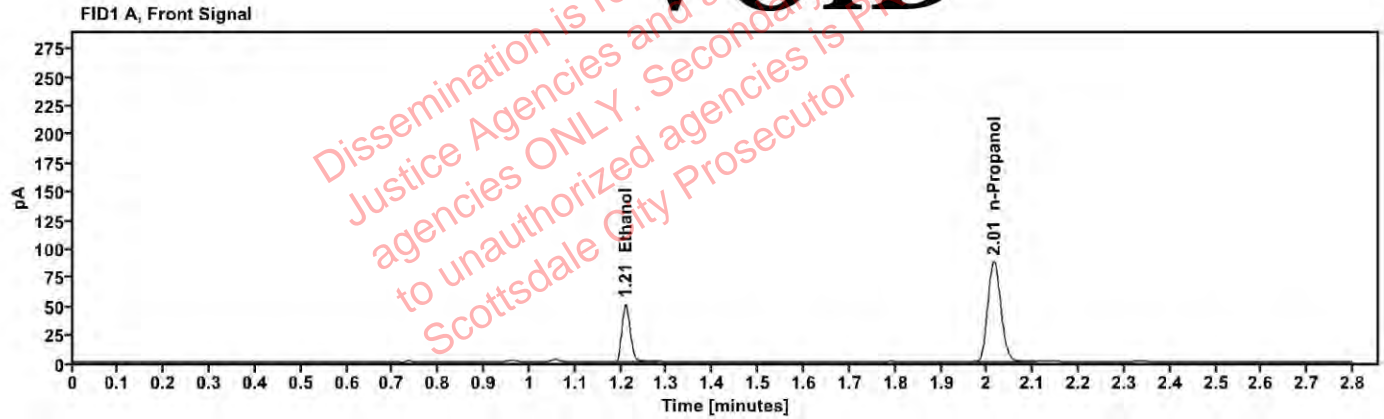
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1042	1.210	64.129
n-Propanol	------	2.015	174.447

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

Compound	Time (min)	Peak Area
Ethanol	1.356	69.570
n-Propanol	2.433	188.738

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223317-3		Vial:	34
Description:	████████████		LIMS ID:	████████████
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 12:41:29 PM
Data file:	C:\Chem32\1\Data\14Dec22\34.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
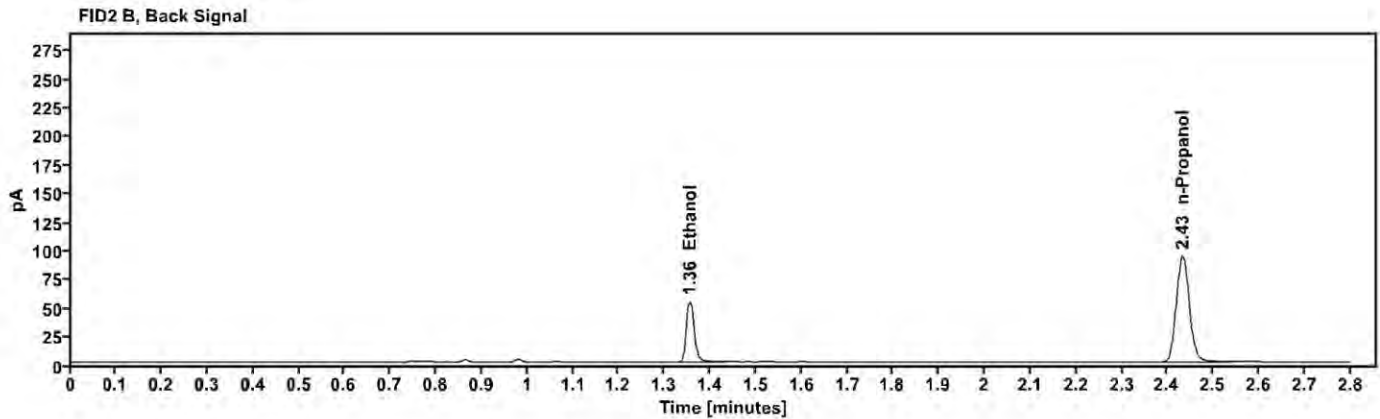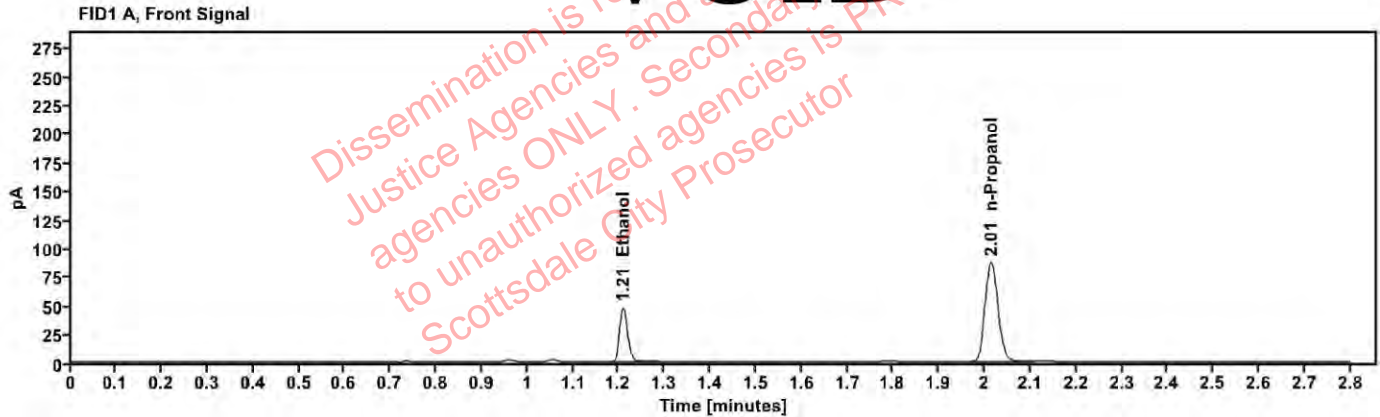
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0982	1.209	59.855
n-Propanol	-----	2.014	172.930

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

Compound	Time (min)	Peak Area
Ethanol	1.355	64.695
n-Propanol	2.433	186.108

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223317-3	Vial:	35
Description:	████████████	LIMS ID:	████████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:45:29 PM
Data file:	C:\Chem32\1\Data\14Dec22\35.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
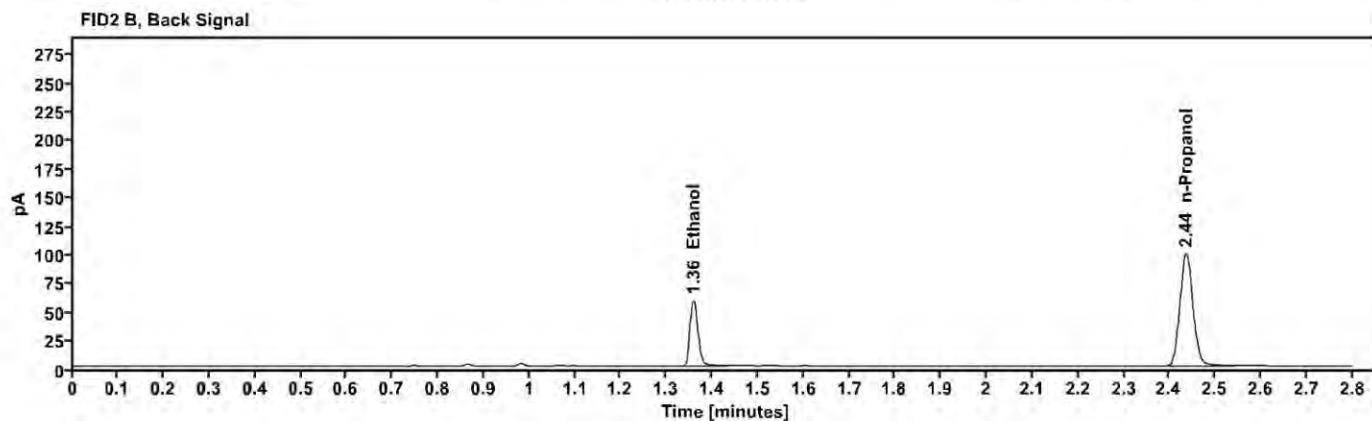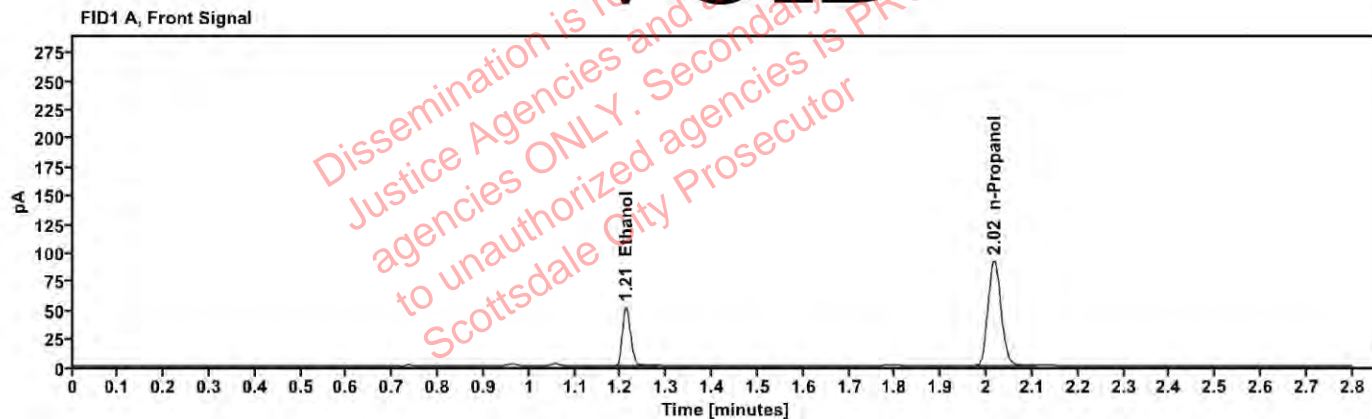
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1011	1.211	65.152
n-Propanol	------	2.016	182.672

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

Compound	Time (min)	Peak Area
Ethanol	1.359	70.710
n-Propanol	2.436	196.693

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223244-2	Vial:	36
Description:	████████████████	LIMS ID:	████████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:49:30 PM
Data file:	C:\Chem32\1\Data\14Dec22\36.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
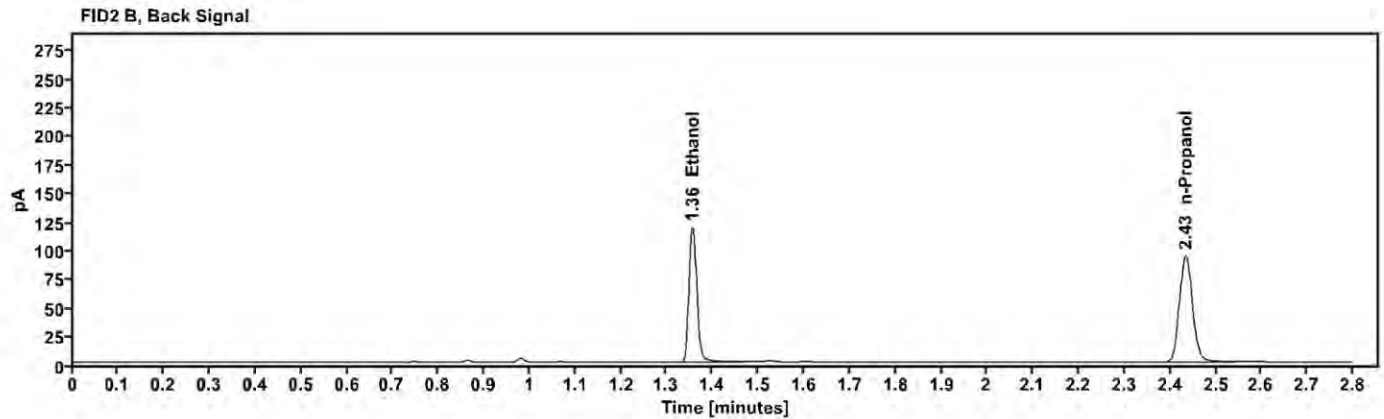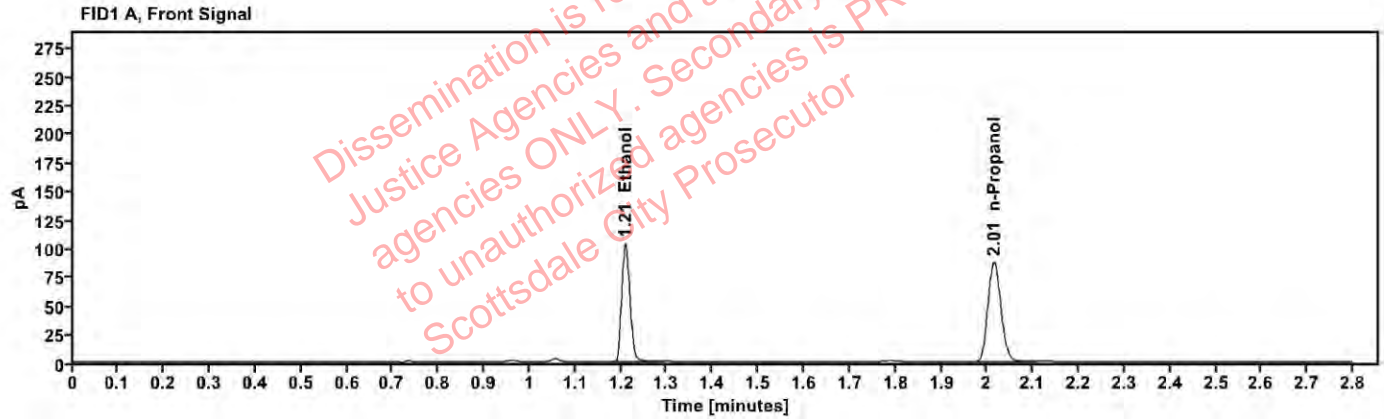
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2128	1.209	130.845
n-Propanol	------	2.015	173.124

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

Compound	Time (min)	Peak Area
Ethanol	1.356	143.269
n-Propanol	2.434	187.008

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223244-2	**Vial:**	37
Description:	▮▮▮▮▮▮▮▮▮	**LIMS ID:**	▮▮▮▮▮▮▮
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 12:53:45 PM
Data file:	C:\Chem32\1\Data\14Dec22\37.D	**Analyst:**	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
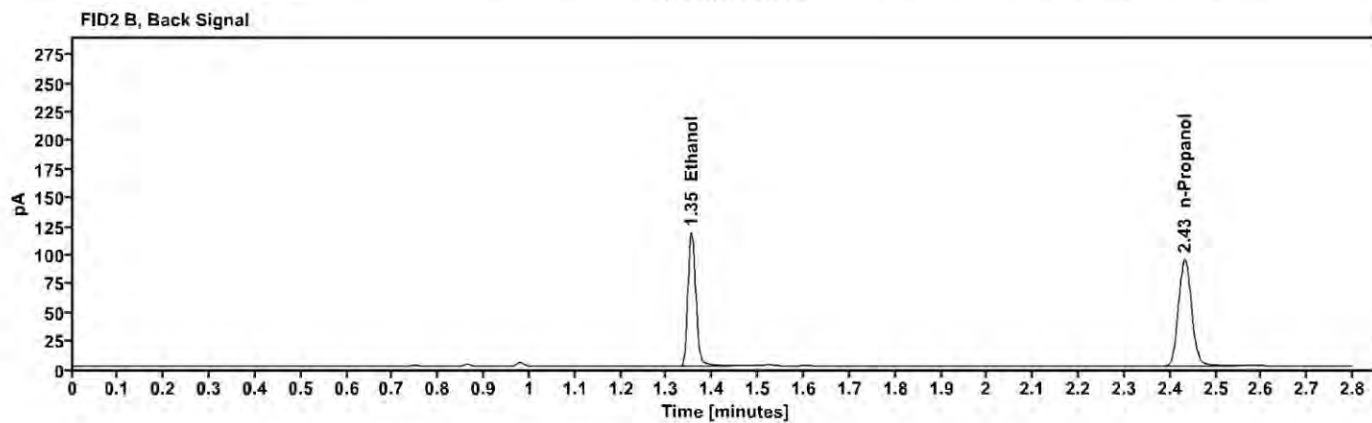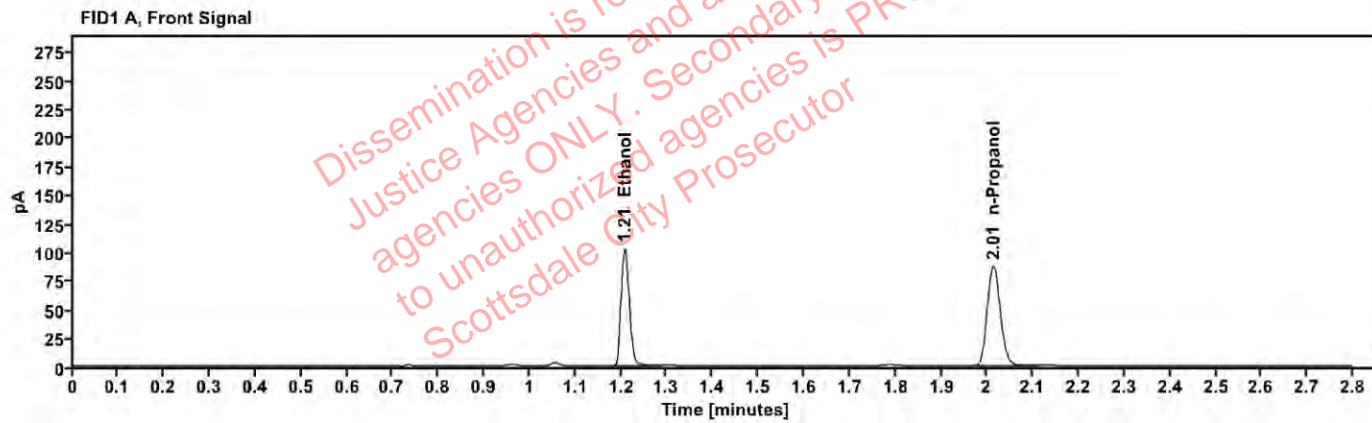
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2103	1.208	129.825
n-Propanol	------	2.013	173.800

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

Compound	Time (min)	Peak Area
Ethanol	1.354	141.599
n-Propanol	2.432	187.709

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223177-2	Vial:	38
Description:	▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 12:57:44 PM
Data file:	C:\Chem32\1\Data\14Dec22\38.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
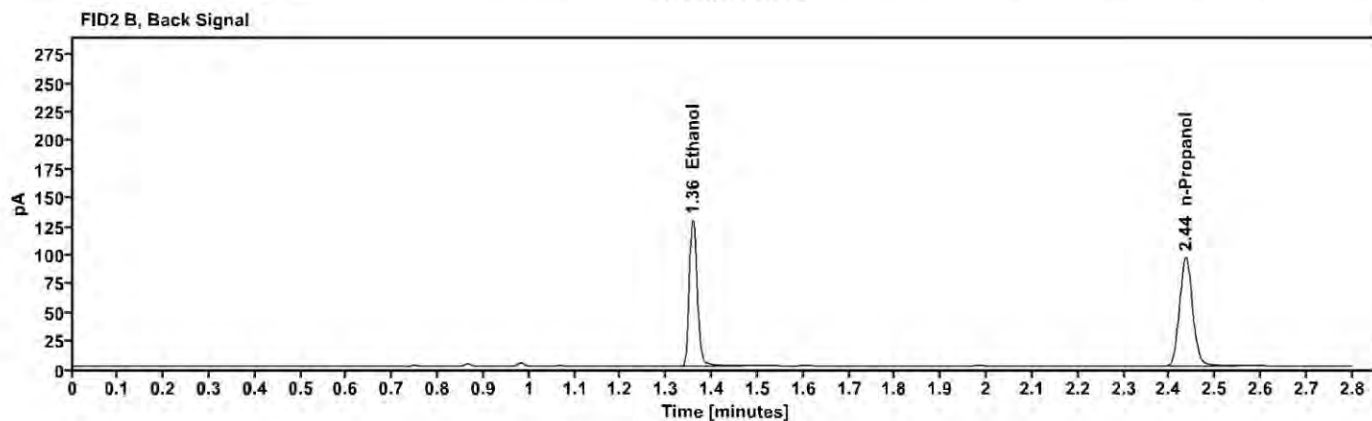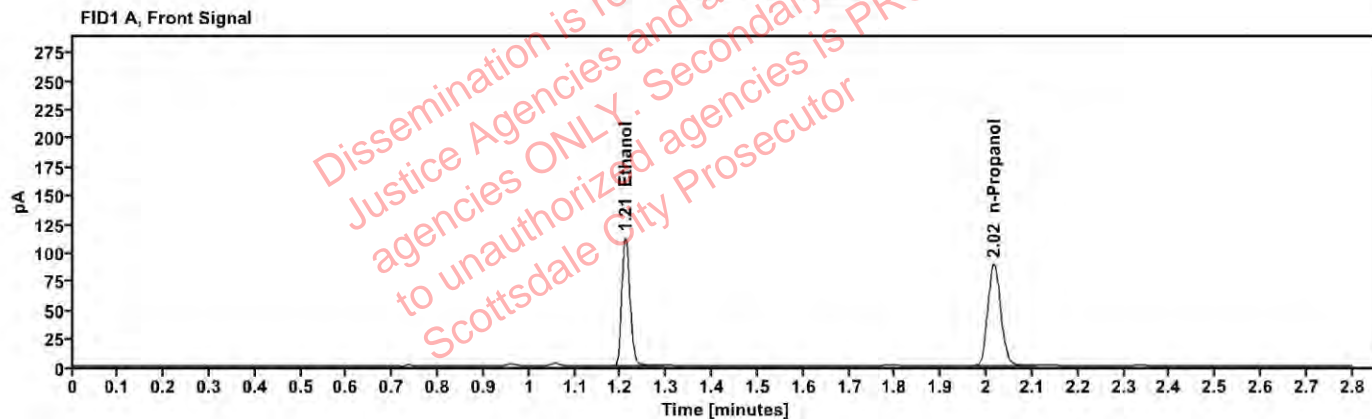
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2270	1.210	142.641
n-Propanol	------	2.016	176.794

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

Compound	Time (min)	Peak Area
Ethanol	1.357	156.102
n-Propanol	2.435	190.789

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223177-2		Vial:	39
Description:	████████████		LIMS ID:	████████████
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 1:01:45 PM
Data file:	C:\Chem32\1\Data\14Dec22\39.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
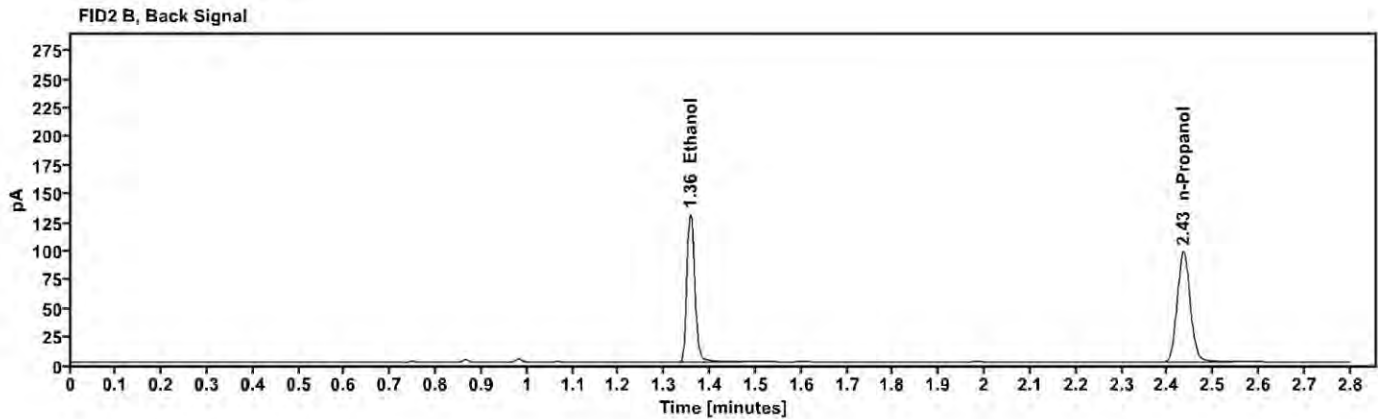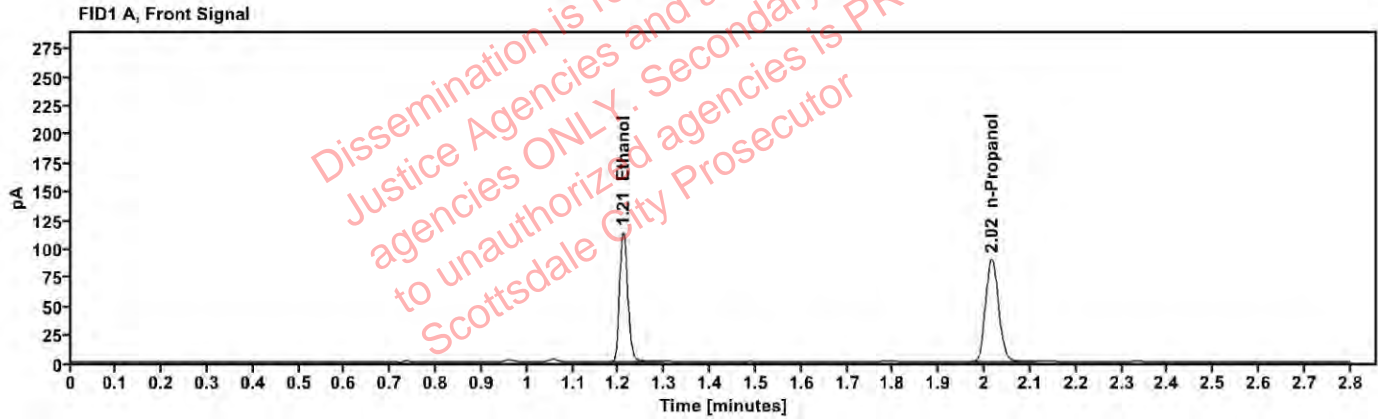
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2266	1.209	144.027
n-Propanol	------	2.015	178.831

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

Compound	Time (min)	Peak Area
Ethanol	1.357	157.438
n-Propanol	2.435	193.088

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223320-2	Vial:	40
Description:	▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:05:45 PM
Data file:	C:\Chem32\1\Data\14Dec22\40.D	Analyst:	Canonico

VOID

FID1 A, Front Signal

FID2 B, Back Signal
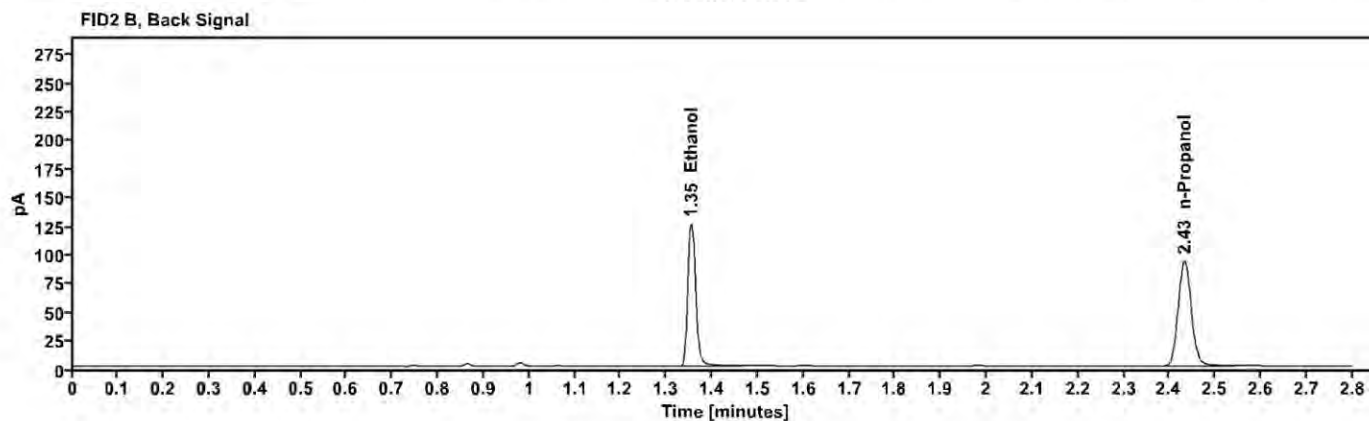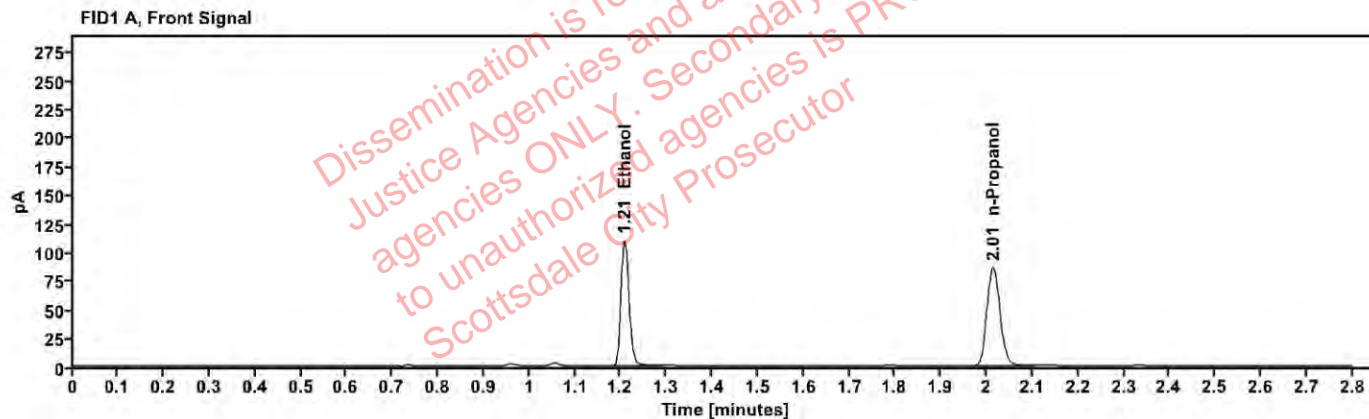
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2270	1.208	138.574
n-Propanol	------	2.014	171.749

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

Compound	Time (min)	Peak Area
Ethanol	1.354	151.700
n-Propanol	2.432	185.614

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223320-2	**Vial:**	41
Description:	███████████	**LIMS ID:**	███████████
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 1:09:45 PM
Data file:	C:\Chem32\1\Data\14Dec22\41.D	**Analyst:**	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
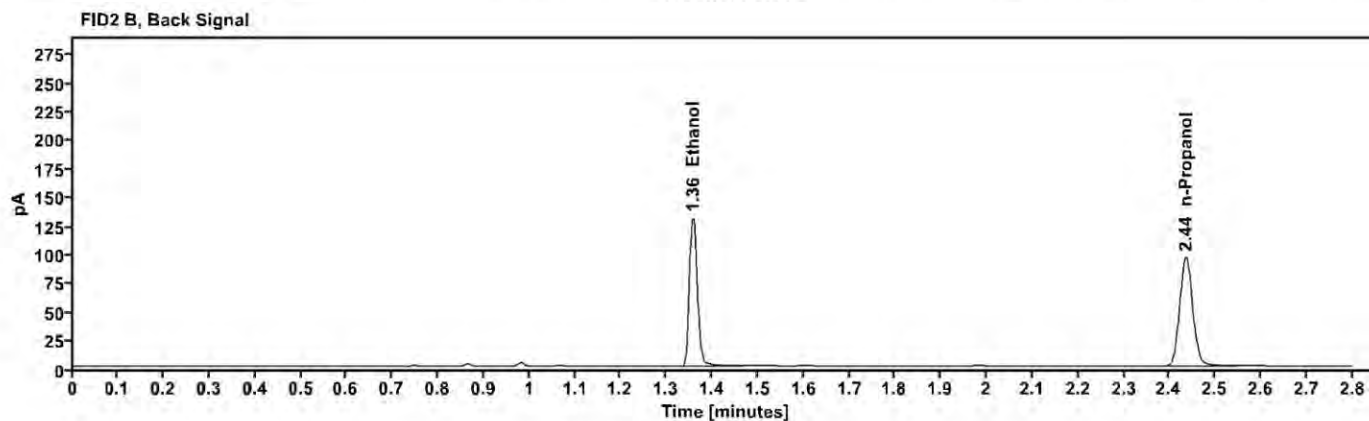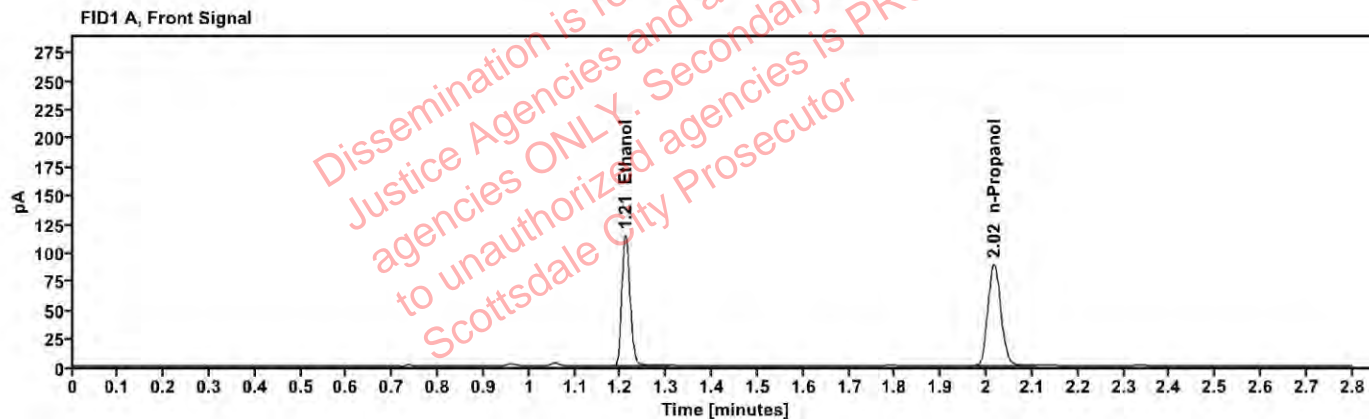
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2316	1.210	145.205
n-Propanol	-----	2.016	176.415

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

Compound	Time (min)	Peak Area
Ethanol	1.358	158.733
n-Propanol	2.436	190.665

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222485-2		Vial:	43
Description:	████████████████		LIMS ID:	███████████
Method:	ethanol quant.M		Sequence:	14Dec22
Instrument:	US14173023 CN14160045		Injection date:	12/14/2022 1:18:00 PM
Data file:	C:\Chem32\1\Data\14Dec22\43.D		Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
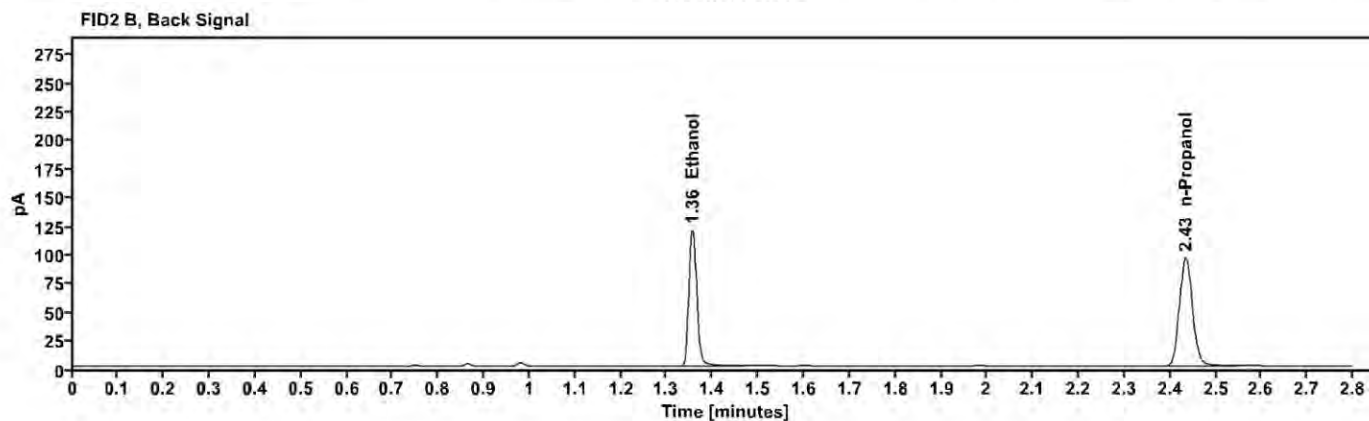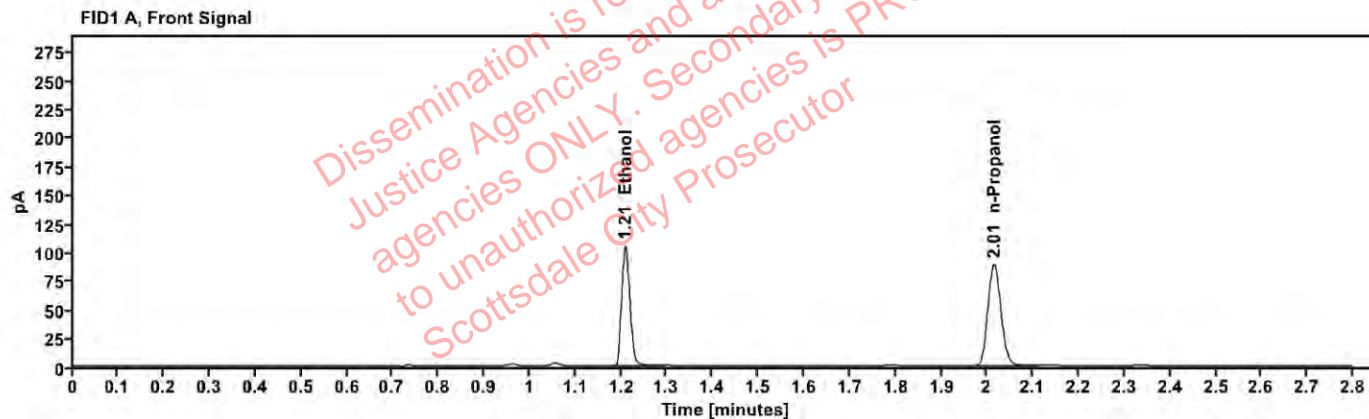
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2120	1.209	132.563
n-Propanol	------	2.015	176.020

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

Compound	Time (min)	Peak Area
Ethanol	1.356	144.832
n-Propanol	2.434	190.236

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222485-2	Vial:	44
Description:	███████████████	LIMS ID:	████████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:21:59 PM
Data file:	C:\Chem32\1\Data\14Dec22\44.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
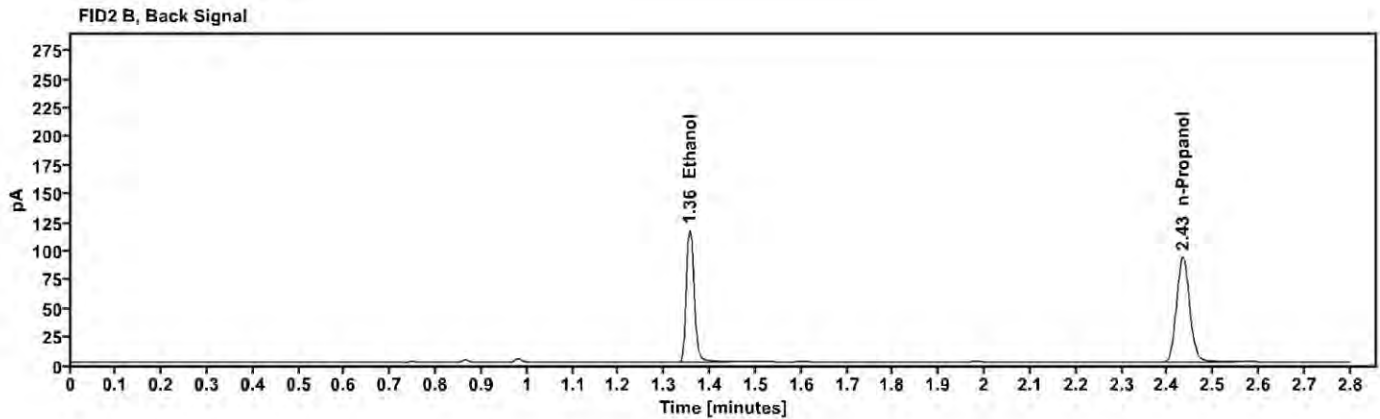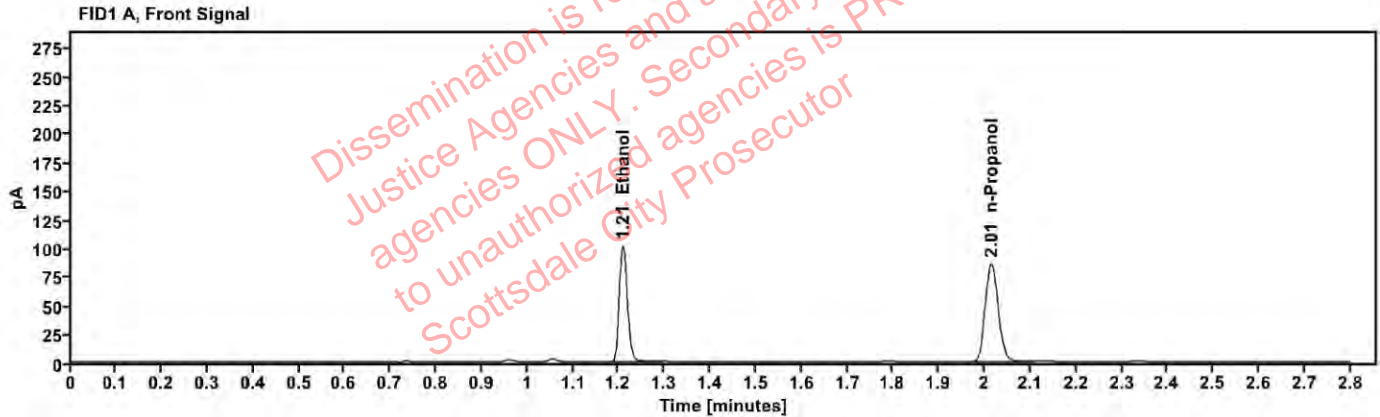
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2114	1.209	128.266
n-Propanol	-----	2.014	170.777

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

Compound	Time (min)	Peak Area
Ethanol	1.355	139.924
n-Propanol	2.433	184.724

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222925-3	Vial:	45
Description:	███████████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:26:00 PM
Data file:	C:\Chem32\1\Data\14Dec22\45.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
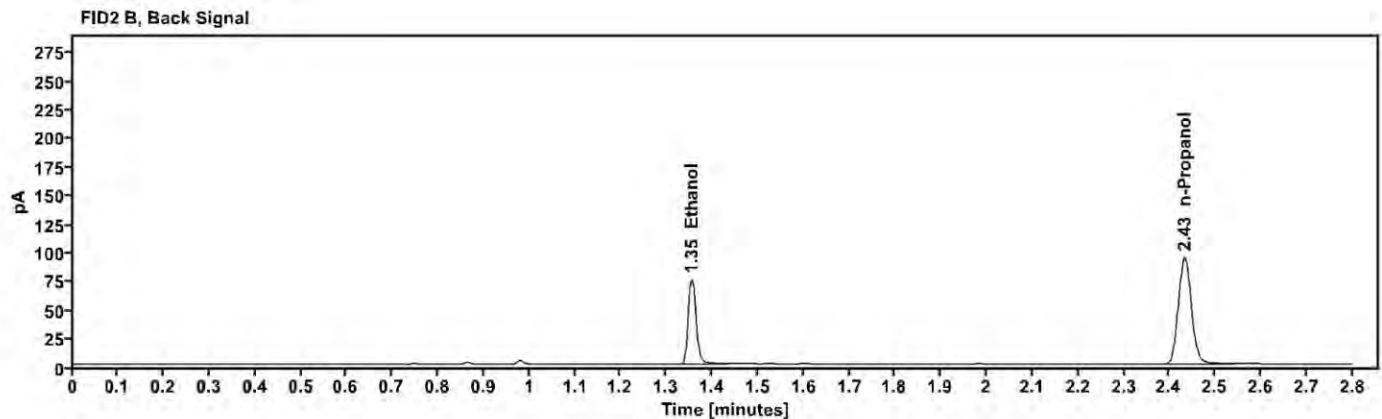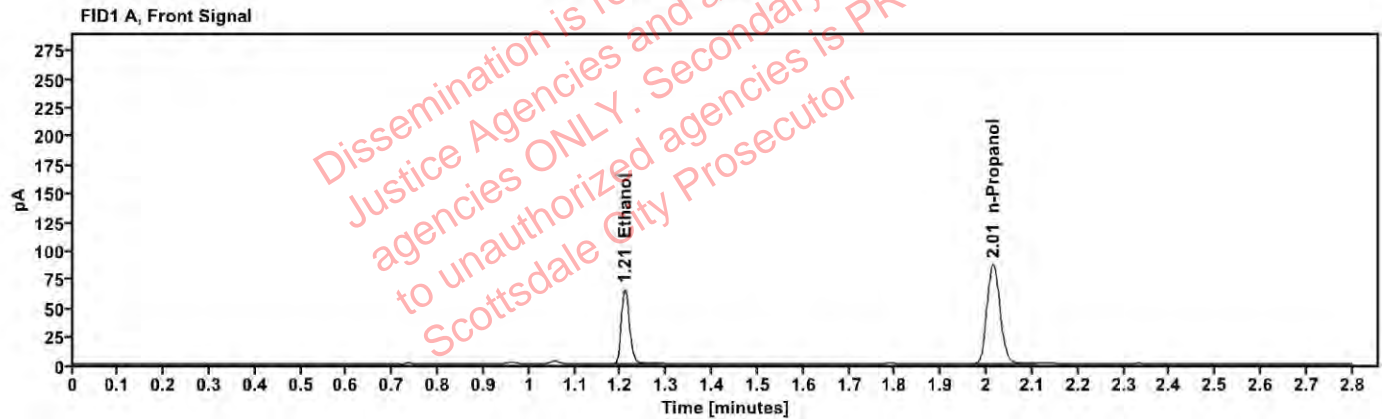
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1349	1.209	82.780
n-Propanol	------	2.014	173.381

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

Compound	Time (min)	Peak Area
Ethanol	1.355	89.925
n-Propanol	2.433	187.498

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222925-3	Vial:	46
Description:	███████████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:29:59 PM
Data file:	C:\Chem32\1\Data\14Dec22\46.D	Analyst:	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.01 n-Propanol

FID2 B, Back Signal

1.35 Ethanol
2.43 n-Propanol
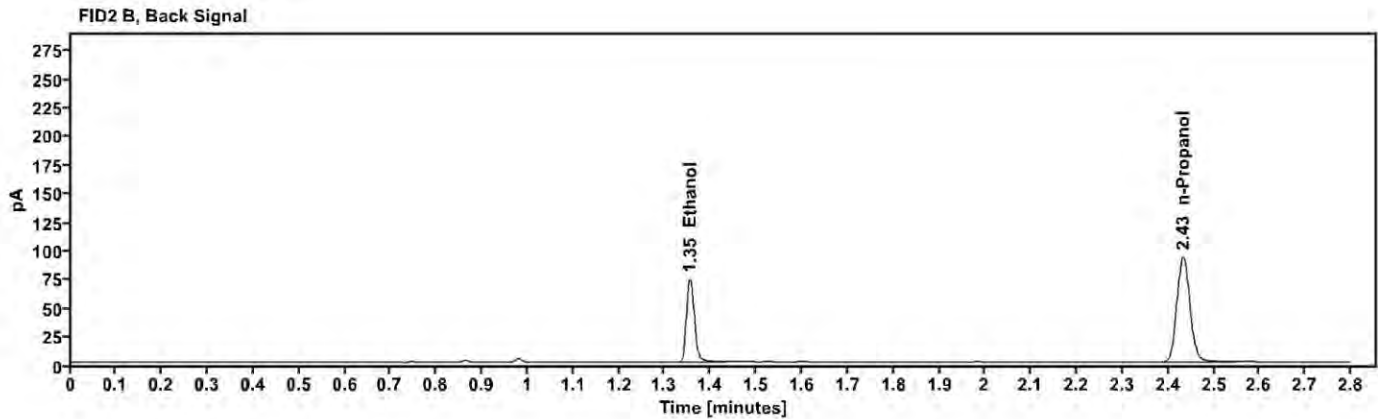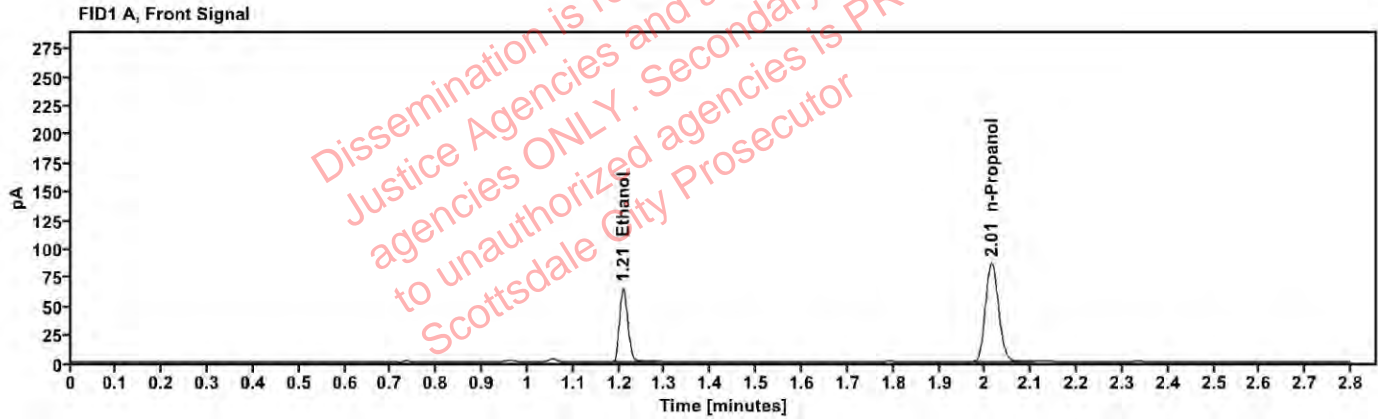
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1348	1.209	81.789
n-Propanol	------	2.014	171.482

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

Compound	Time (min)	Peak Area
Ethanol	1.355	88.798
n-Propanol	2.432	185.656

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223371-2	**Vial:**	47
Description:	▮▮▮▮▮▮▮▮	**LIMS ID:**	▮▮▮▮▮▮▮▮
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 1:34:00 PM
Data file:	C:\Chem32\1\Data\14Dec22\47.D	**Analyst:**	Canonico

FID1 A, Front Signal

1.21 Ethanol
2.02 n-Propanol

FID2 B, Back Signal

1.36 Ethanol
2.44 n-Propanol
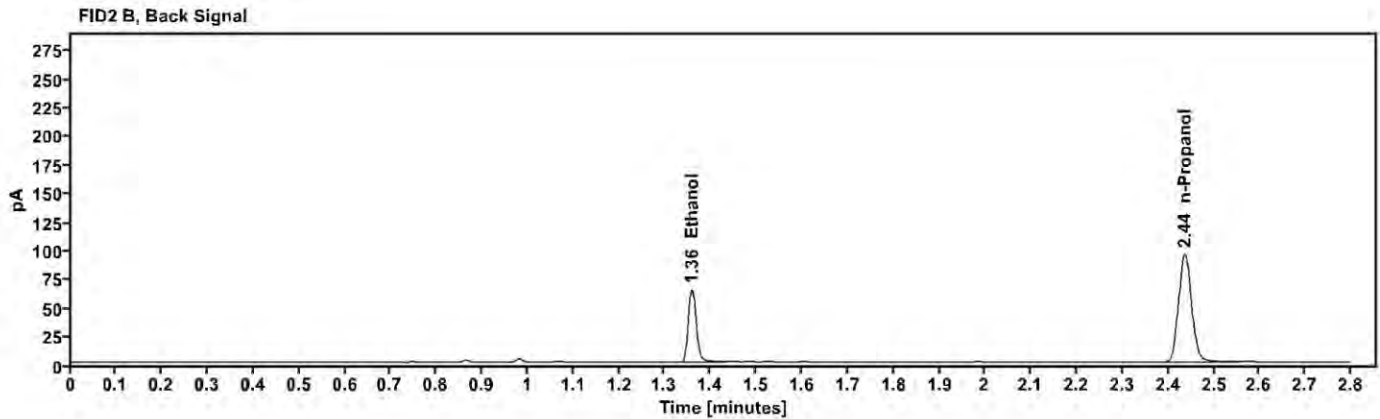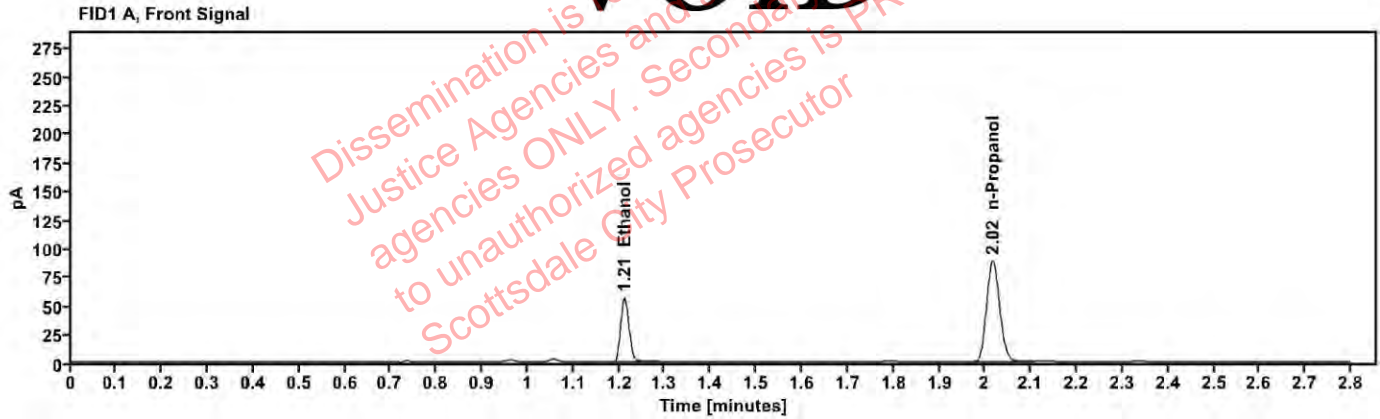
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1159	1.211	71.809
n-Propanol	------	2.016	175.316

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

Compound	Time (min)	Peak Area
Ethanol	1.359	77.744
n-Propanol	2.436	189.760

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223371-2	**Vial:**	48
Description:	███████████████	**LIMS ID:**	████████████
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 1:38:00 PM
Data file:	C:\Chem32\1\Data\14Dec22\48.D	**Analyst:**	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
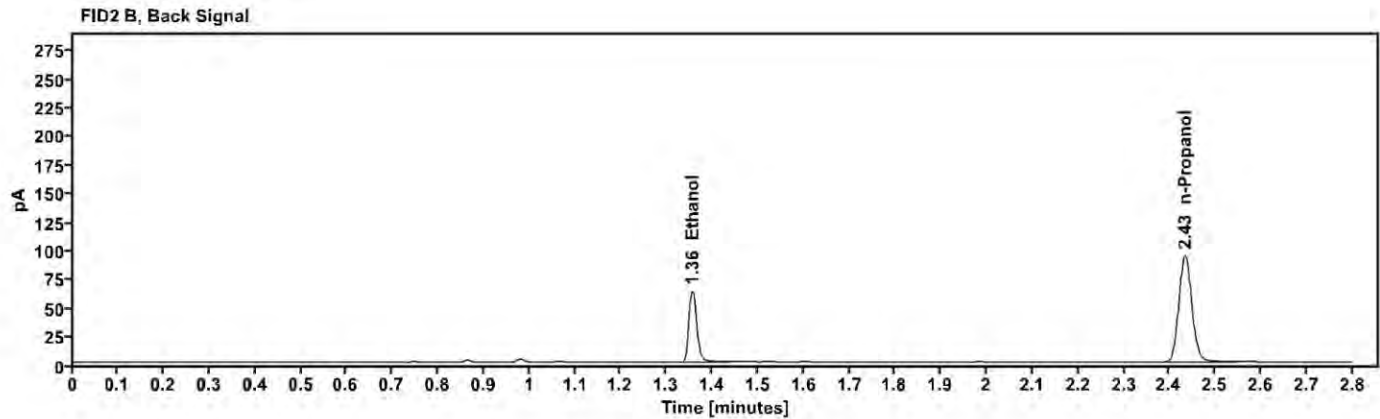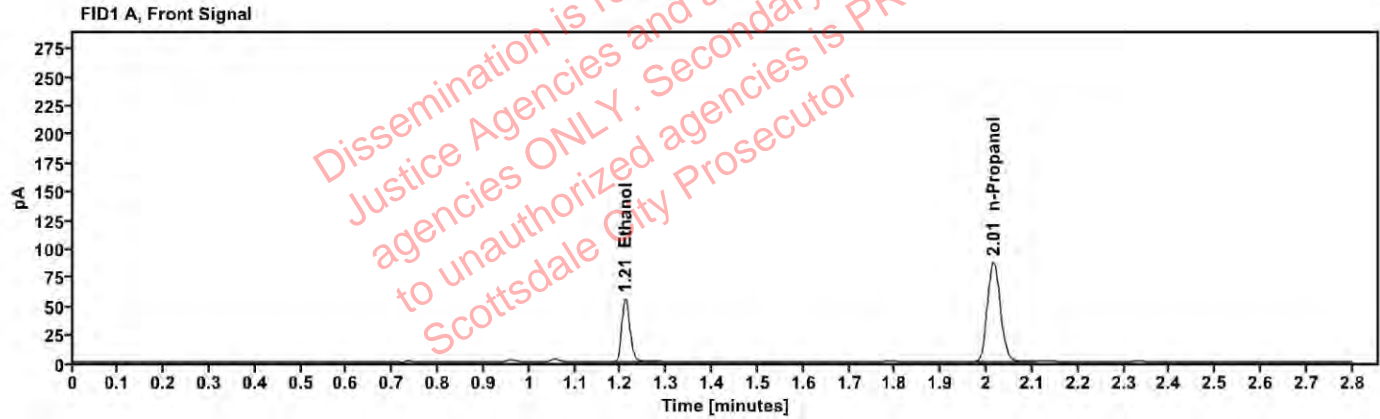
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1143	1.210	69.992
n-Propanol	------	2.015	173.284

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

Compound	Time (min)	Peak Area
Ethanol	1.356	76.098
n-Propanol	2.434	187.366

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223446-3	**Vial:**	49
Description:	▓▓▓▓▓▓▓▓▓▓	**LIMS ID:**	▓▓▓▓▓▓▓▓▓▓
Method:	ethanol quant.M	**Sequence:**	14Dec22
Instrument:	US14173023 CN14160045	**Injection date:**	12/14/2022 1:42:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\49.D	**Analyst:**	Canonico

FID1 A, Front Signal

FID2 B, Back Signal
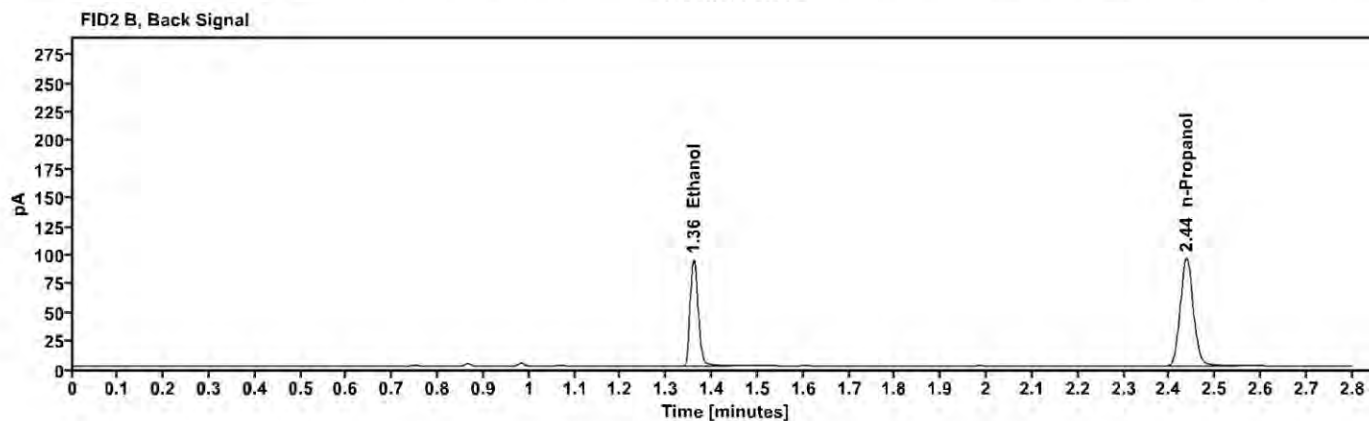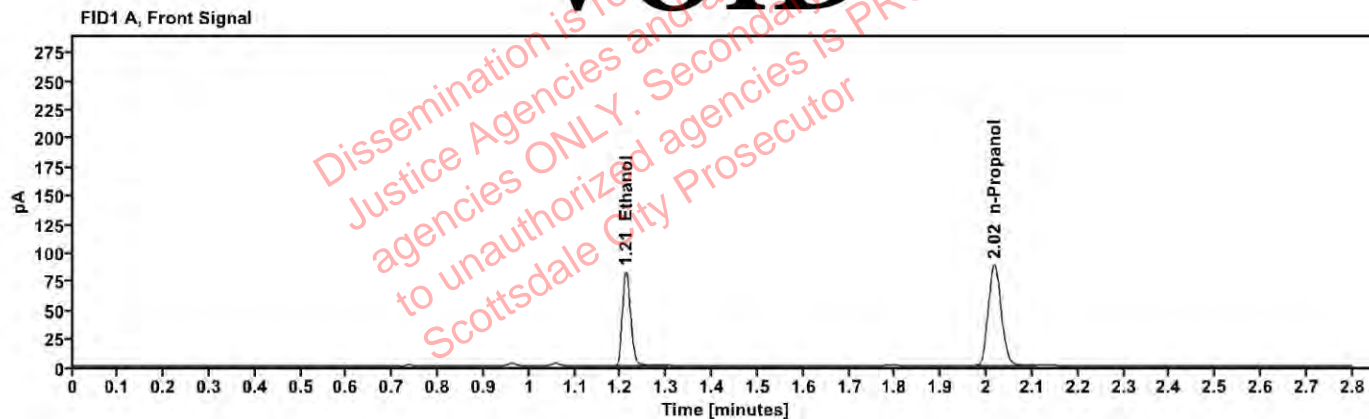
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1692	1.211	105.302
n-Propanol	------	2.017	175.469

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

Compound	Time (min)	Peak Area
Ethanol	1.359	114.441
n-Propanol	2.437	189.463

Page 1 of 1

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223446-3	Vial:	50
Description:	███████████████	LIMS ID:	███████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:46:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\50.D	Analyst:	Canonico

VOID

FID1 A, Front Signal

FID2 B, Back Signal
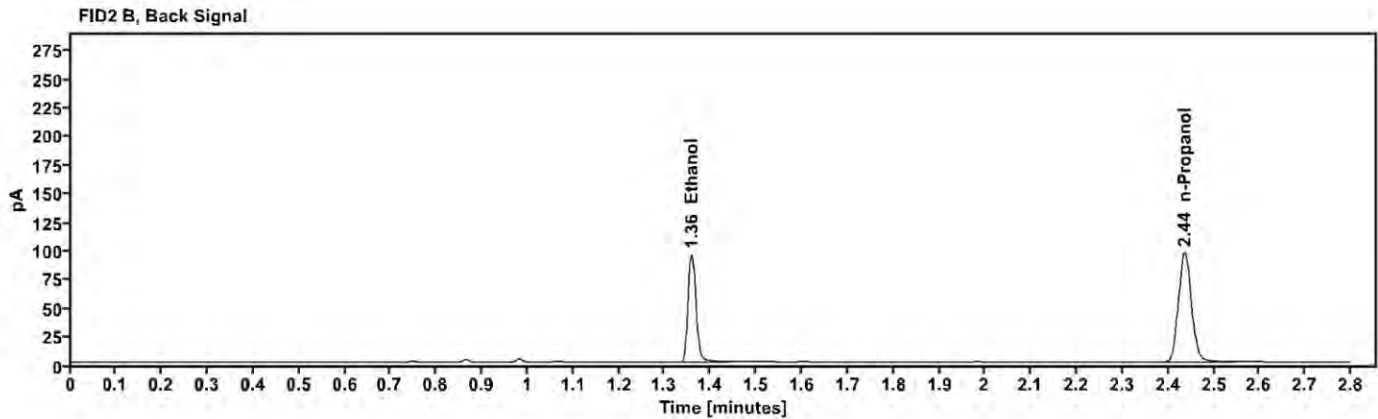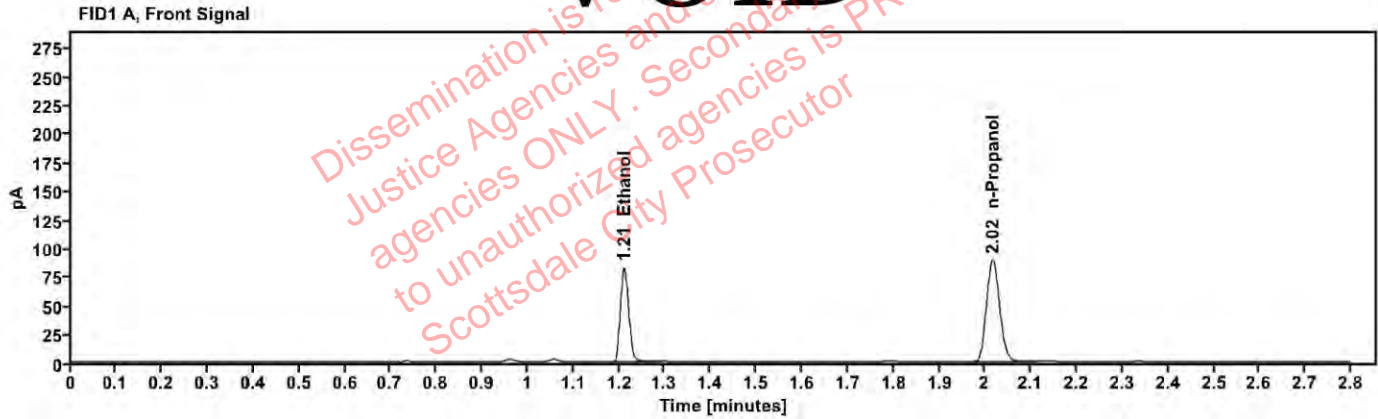
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1679	1.211	105.712
n-Propanol	------	2.016	177.571

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

Compound	Time (min)	Peak Area
Ethanol	1.358	115.121
n-Propanol	2.436	191.824

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1422164	Vial:	51
Description:	████████████	LIMS ID:	████████████
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:50:14 PM
Data file:	C:\Chem32\1\Data\14Dec22\51.D	Analyst:	Canonico

FID1 A, Front Signal

Peaks: 1.05 Acetaldehyde, 1.21 Ethanol, 2.01 n-Propanol

FID2 B, Back Signal

Peaks: 0.98 Acetaldehyde, 1.36 Ethanol, 2.43 n-Propanol
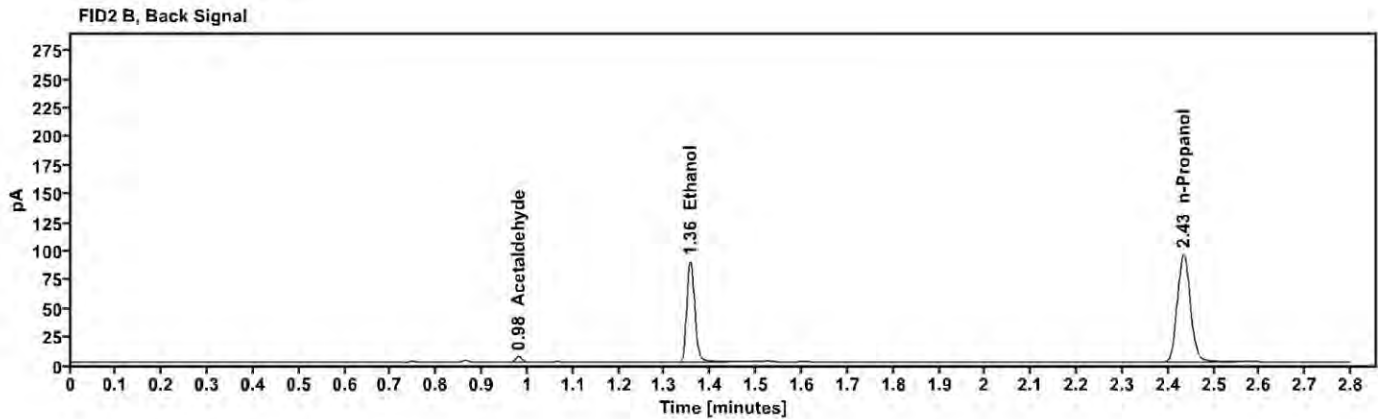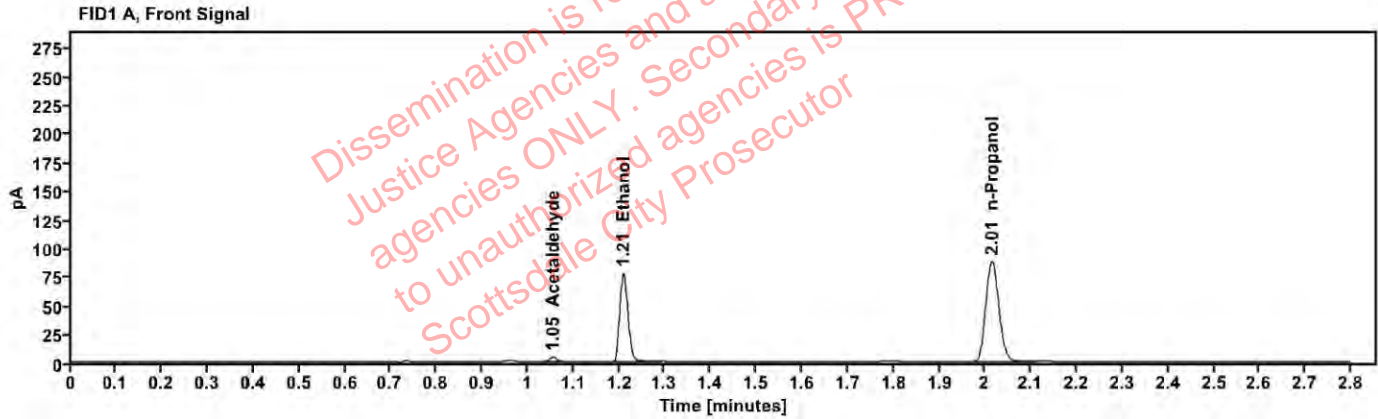
Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.212
>Ethanol	0.1586	1.209	98.336
n-Propanol	-----	2.015	174.968

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	4.738
Ethanol	1.355	106.688
n-Propanol	2.434	189.300

Scottsdale Police Department Crime Lab Volatiles Analysis

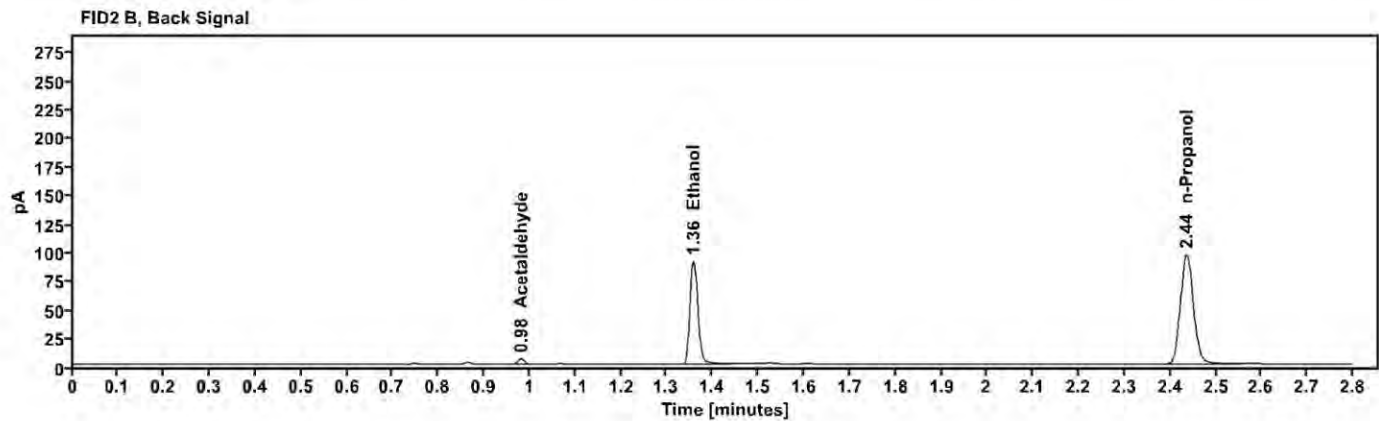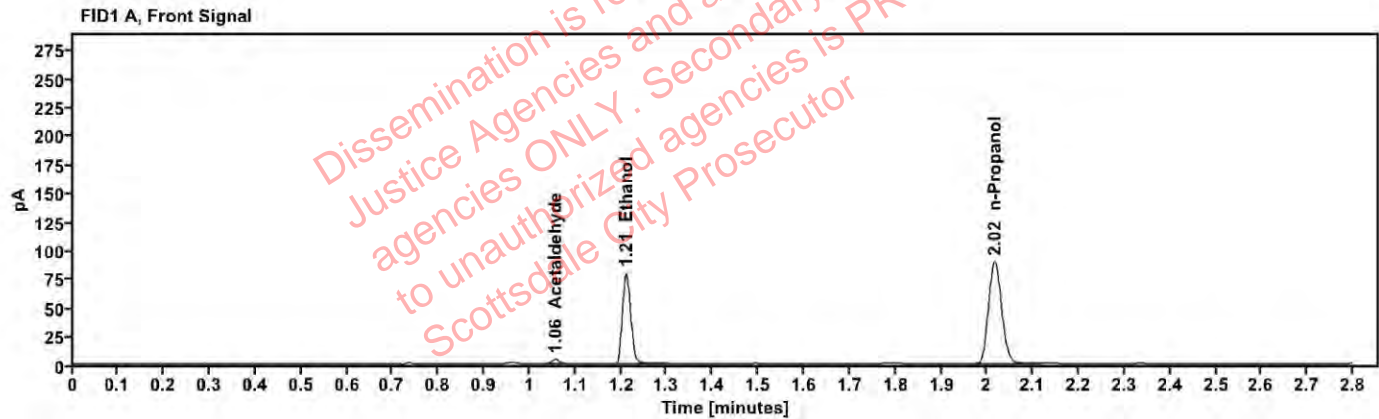|			
Sample:	1422164	Vial:	52
Description:	▮▮▮▮▮▮▮	LIMS ID:	▮▮▮▮▮▮▮
Method:	ethanol quant.M	Sequence:	14Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/14/2022 1:54:15 PM
Data file:	C:\Chem32\1\Data\14Dec22\52.D	Analyst:	Canonico

FID1 A, Front Signal

FID2 B, Back Signal

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

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.075
>Ethanol	0.1608	1.211	101.397
n-Propanol	-----	2.016	177.863

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.571
Ethanol	1.358	110.022
n-Propanol	2.436	192.313