

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 12/07/2022 SEQUENCE NAME 07Dec22

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN10051909 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN05311902 0.99989
 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	0.397 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.078 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.078 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.389 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.038 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/8
45	Blank	Not detected	Not detected	SPD lab 101921WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

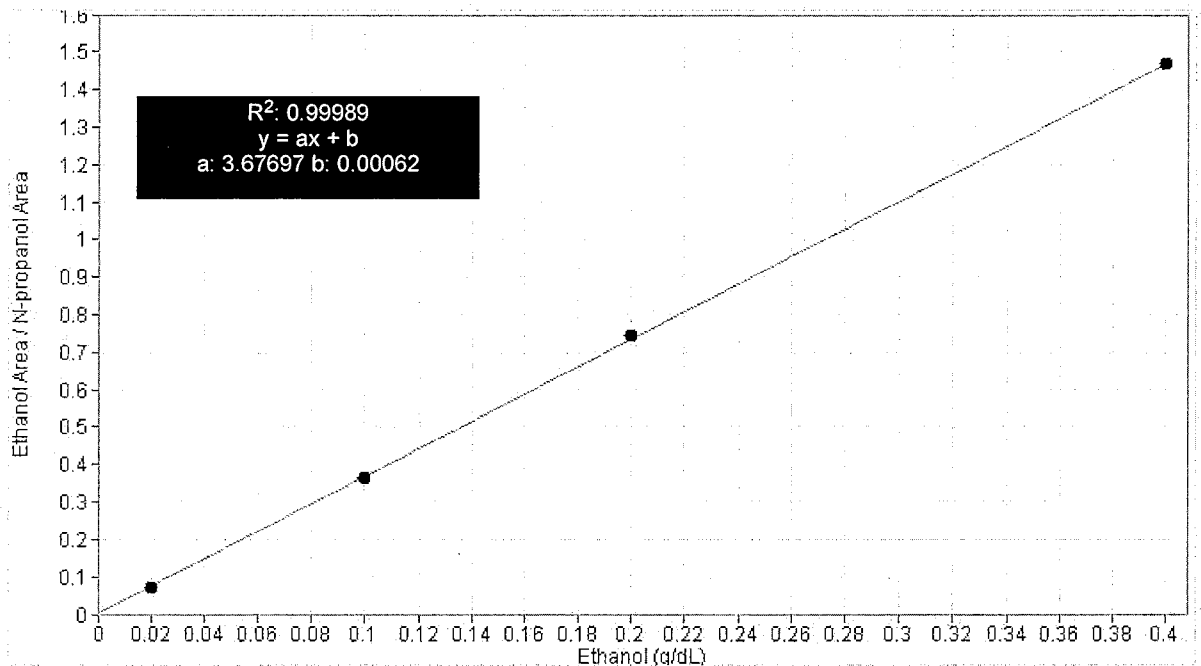
SEQUENCE NAME: 07Dec22

ANALYST: Abbott *MA*

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	0.397	0.400	0.75	-0.003
0.040 14082019-B	8	0.039	0.040	2.50	-0.001
0.199 4110320133/8	9	0.203	0.199	2.01	0.004
0.080 20012020-B	20	0.078	0.080	2.50	-0.002
0.080 20012020-B	31	0.078	0.080	2.50	-0.002
0.400 11092018-A	42	0.389	0.400	2.75	-0.011
0.040 14082019-B	43	0.038	0.040	5.00	-0.002
0.199 4110320133/8	44	0.203	0.199	2.01	0.004
blank 101921WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.658	174.746	0.072
0.100	61.609	169.176	0.364
0.200	142.553	191.211	0.746
0.400	251.899	171.619	1.468

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051909	Vial: 1
Description: 0.020 calibrator	Sequence: 07Dec22
Method: ethanol quant.M	Injection date: 12/7/2022 6:08:24 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\07Dec22\1.D	

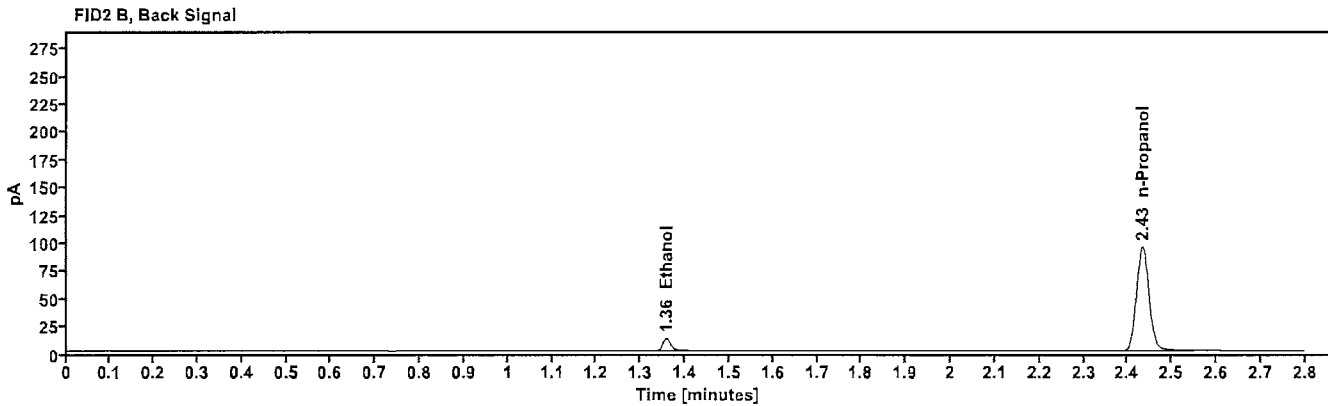
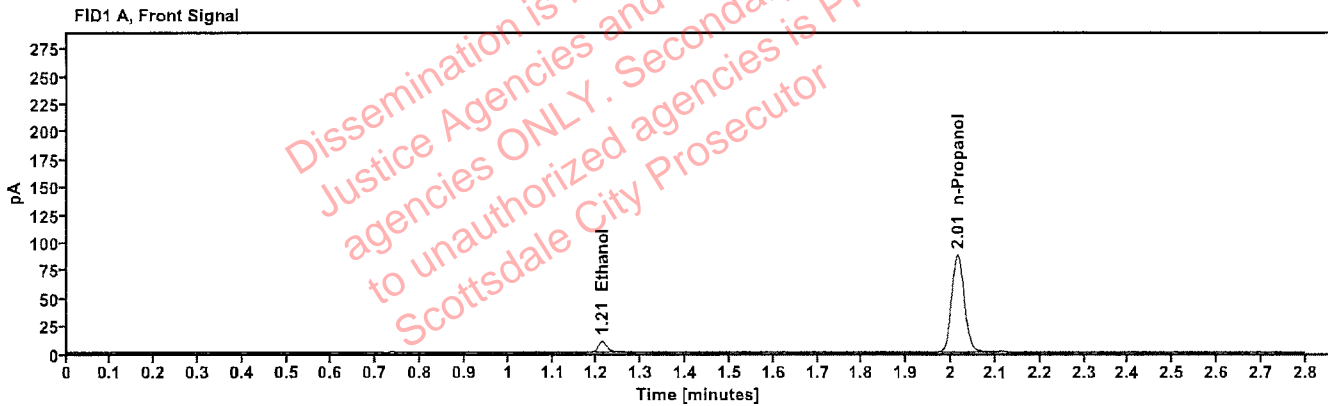


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	12.658
n-Propanol	2.014	174.746

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

Compound	Time (min)	Peak Area
Ethanol	1.358	13.633
n-Propanol	2.433	188.633

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	07Dec22
Method:	ethanol quant.M	Injection date:	12/7/2022 6:12:24 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>[Signature]</i>
Data file:	C:\Chem32\1\Data\07Dec22\2.D		

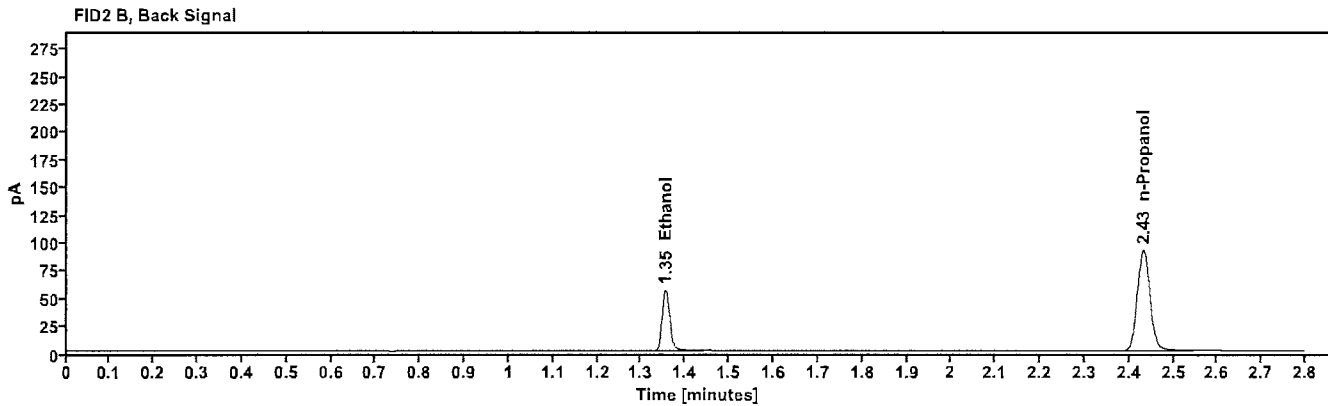
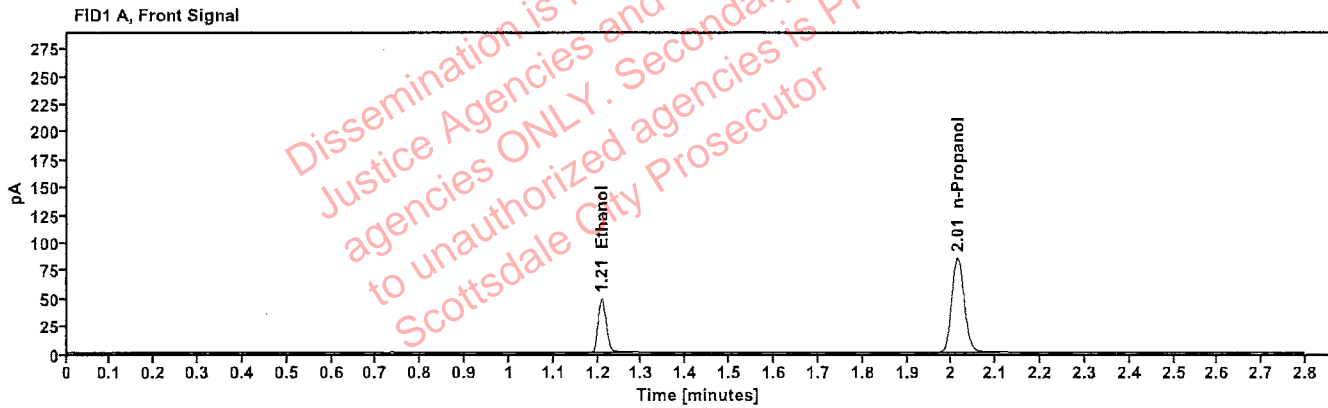


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	61.609
n-Propanol	2.013	169.176

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

Compound	Time (min)	Peak Area
Ethanol	1.355	67.027
n-Propanol	2.432	182.493

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN02052101	Vial:	3
Description:	0.200 calibrator	Sequence:	07Dec22
Method:	ethanol quant.M	Injection date:	12/7/2022 6:16:24 PM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>JA</i>
Data file:	C:\Chem32\1\Data\07Dec22\3.D		

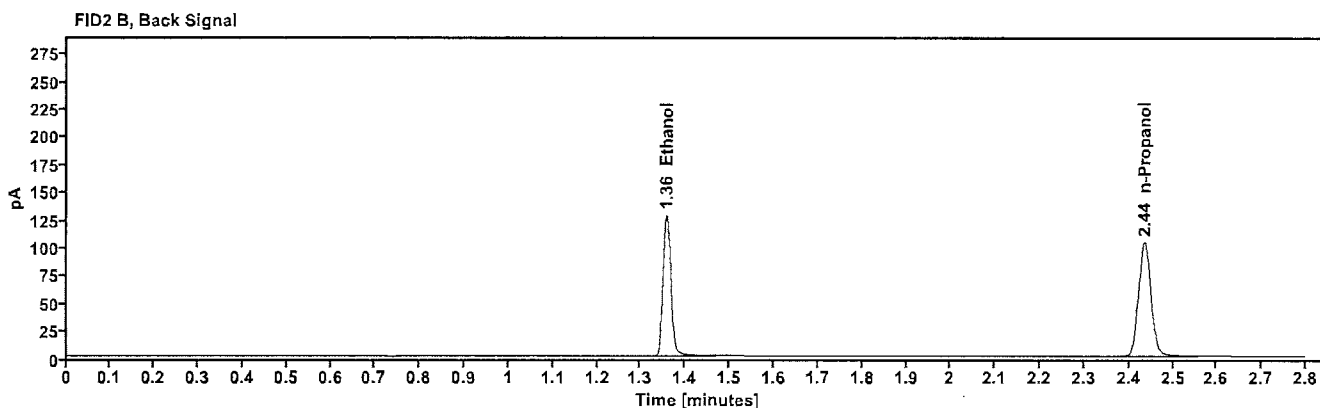
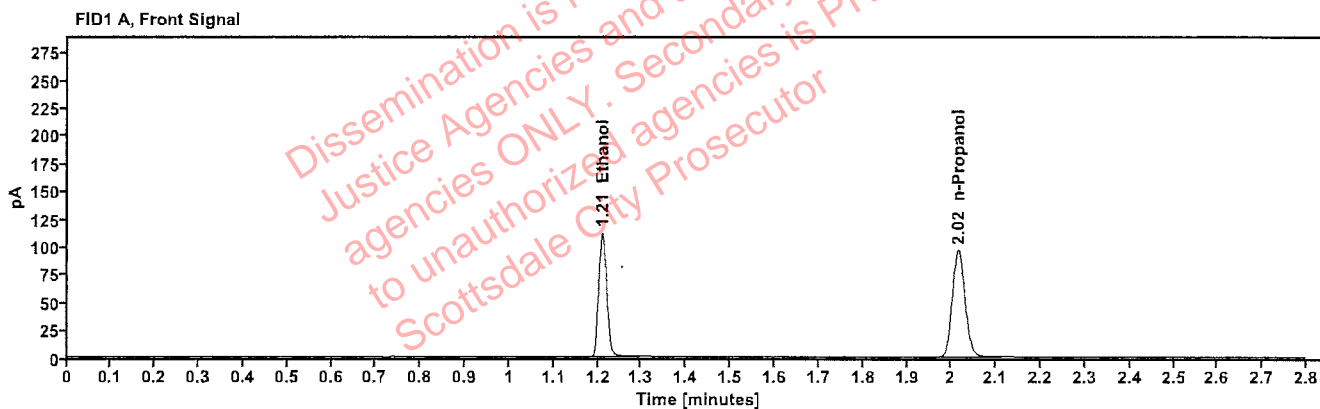


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	142.553
n-Propanol	2.015	191.211

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

Compound	Time (min)	Peak Area
Ethanol	1.358	156.052
n-Propanol	2.435	206.564

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 07Dec22
Method: ethanol quant.M	Injection date: 12/7/2022 6:20:25 PM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\07Dec22\4.D	

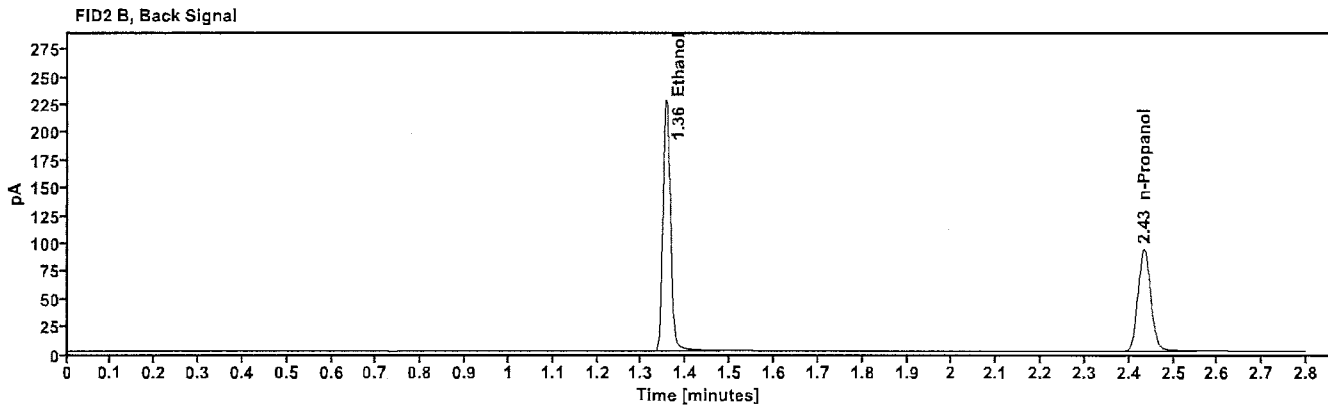
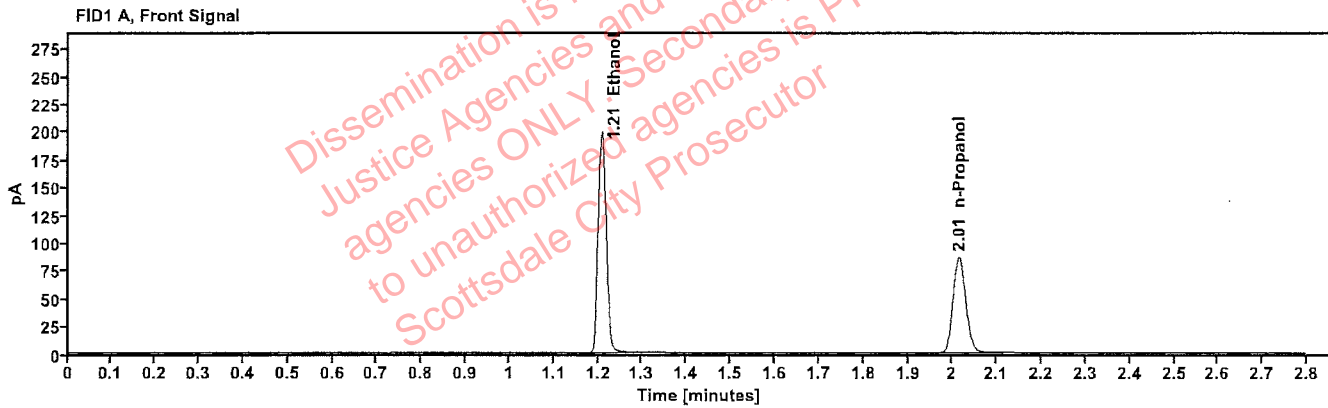


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	251.899
n-Propanol	2.014	171.619

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

Compound	Time (min)	Peak Area
Ethanol	1.355	276.127
n-Propanol	2.434	185.161

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	100722AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 6:24:24 PM
Data file:	C:\Chem32\1\Data\07Dec22\5.D	Analyst:	Abbott DA

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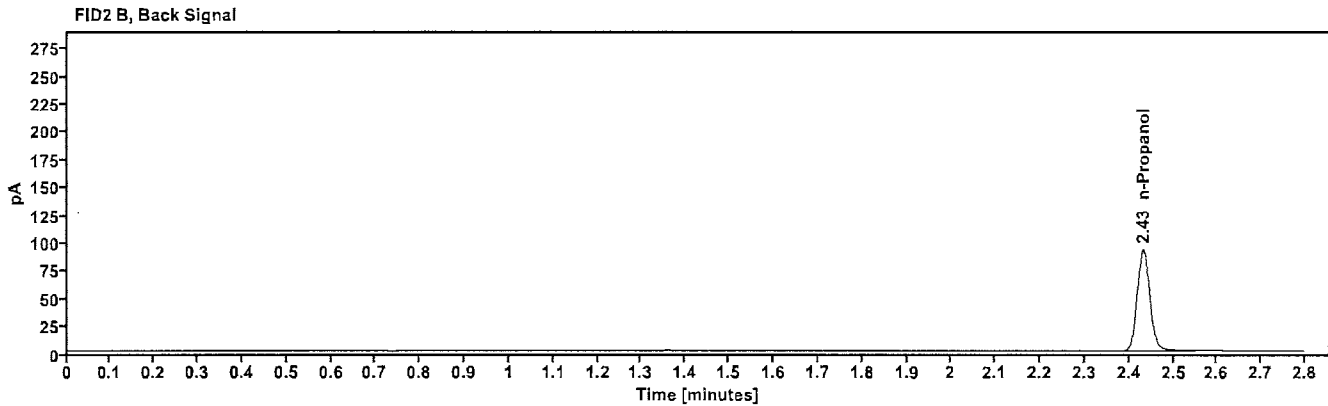
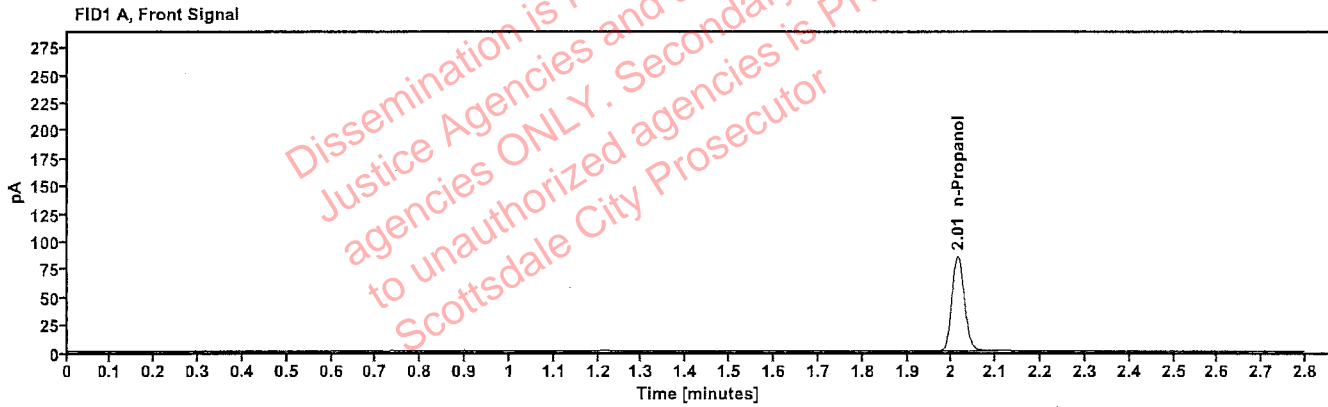


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	170.033

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	183.609

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 6:28:24 PM
Data file: C:\Chem32\1\Data\07Dec22\6.D	Analyst: Abbott <i>JA</i>

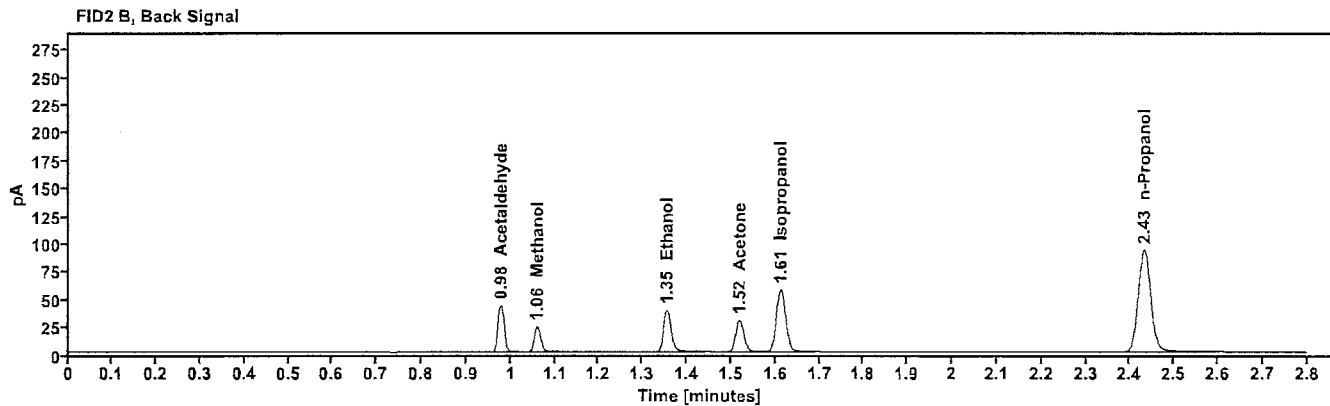
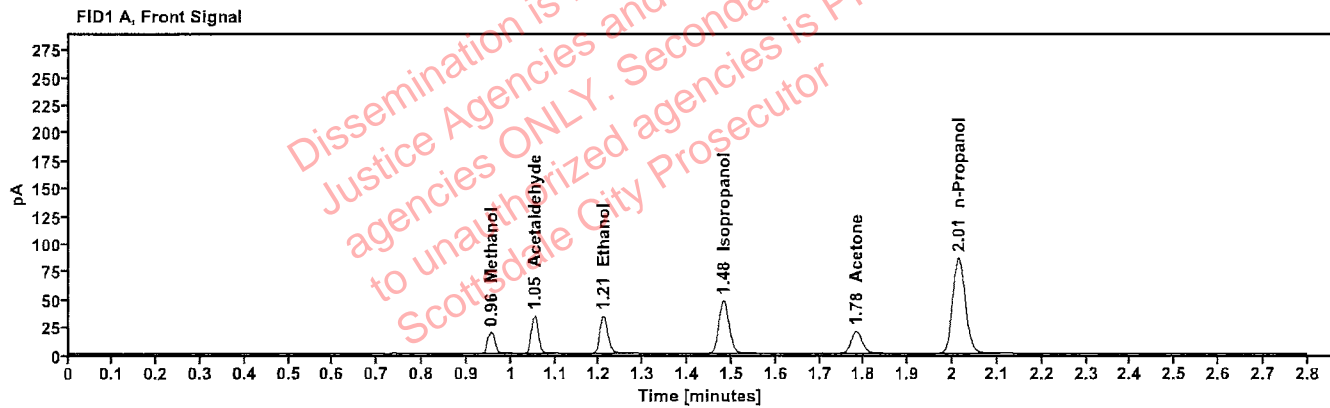


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.955	21.720
Acetaldehyde	-----	1.053	36.833
>Ethanol	0.0678	1.209	42.902
Isopropanol	-----	1.482	76.248
Acetone	-----	1.782	34.352
n-Propanol	-----	2.013	171.631

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	41.262
Methanol	1.060	23.848
Ethanol	1.355	46.569
Acetone	1.519	37.711
Isopropanol	1.612	84.053
n-Propanol	2.432	185.499

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 6:32:39 PM
Data file: C:\Chem32\1\Data\07Dec22\7.D	Analyst: Abbott JA

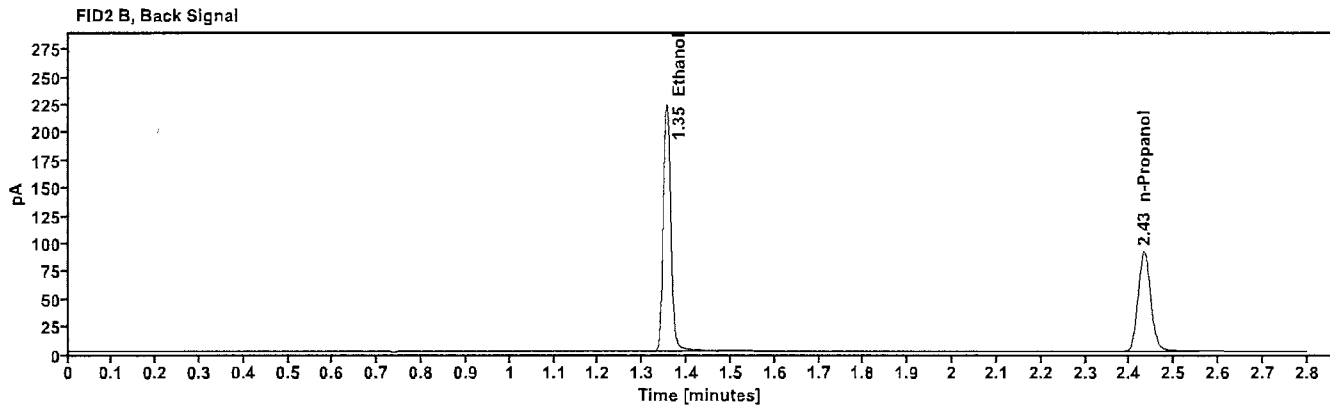
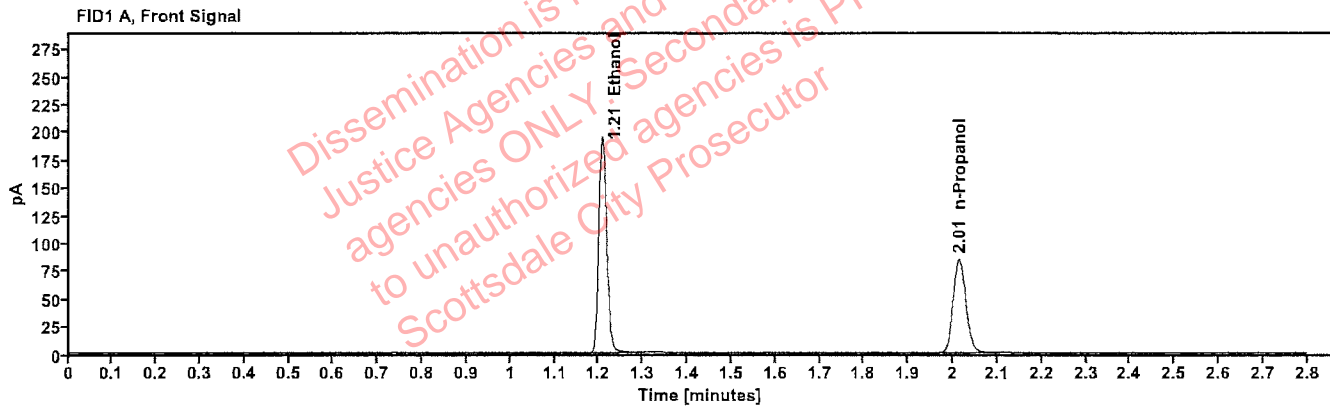


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3975	1.207	245.834
n-Propanol	---	2.014	168.134

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

Compound	Time (min)	Peak Area
Ethanol	1.354	269.633
n-Propanol	2.432	181.681

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 6:36:40 PM
Data file: C:\Chem32\1\Data\07Dec22\8.D	Analyst: Abbott

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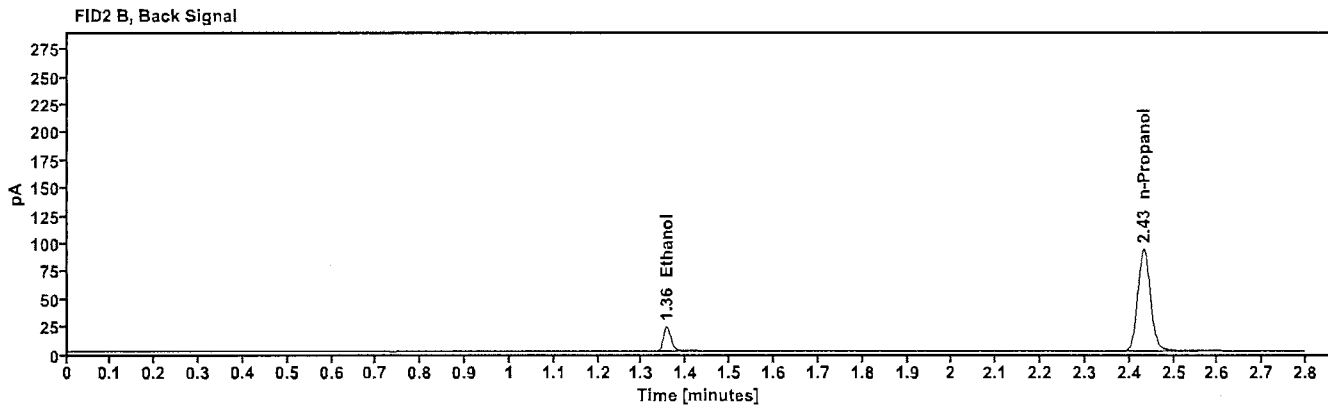
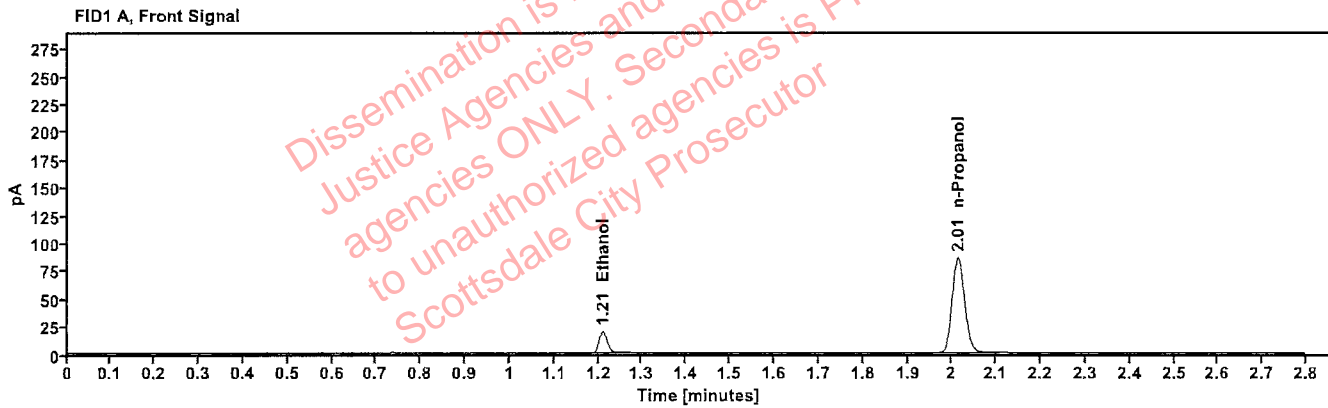


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0393	1.210	24.833
n-Propanol	-----	2.013	171.012

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

Compound	Time (min)	Peak Area
Ethanol	1.355	26.899
n-Propanol	2.432	184.903

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/8	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 6:40:39 PM
Data file: C:\Chem32\1\Data\07Dec22\9.D	Analyst: Abbott

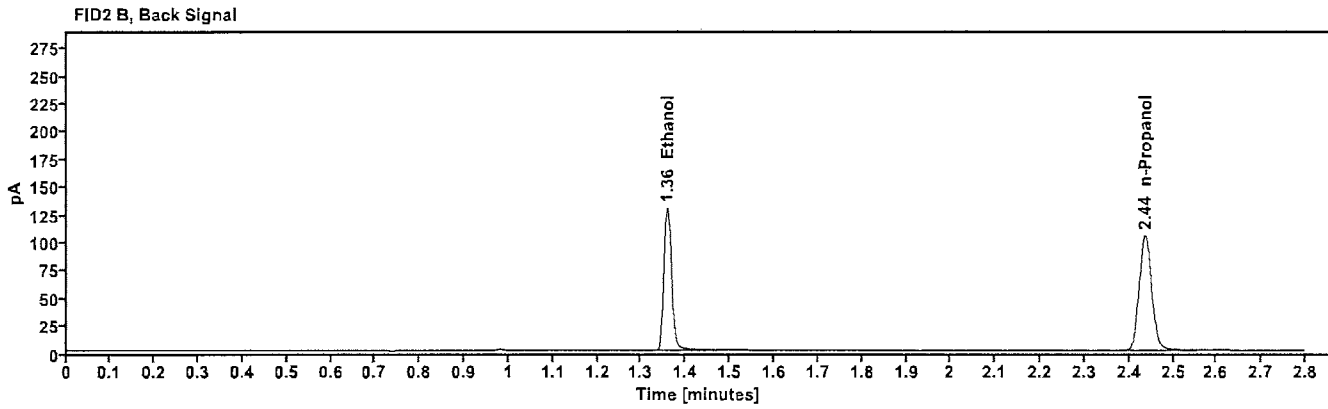
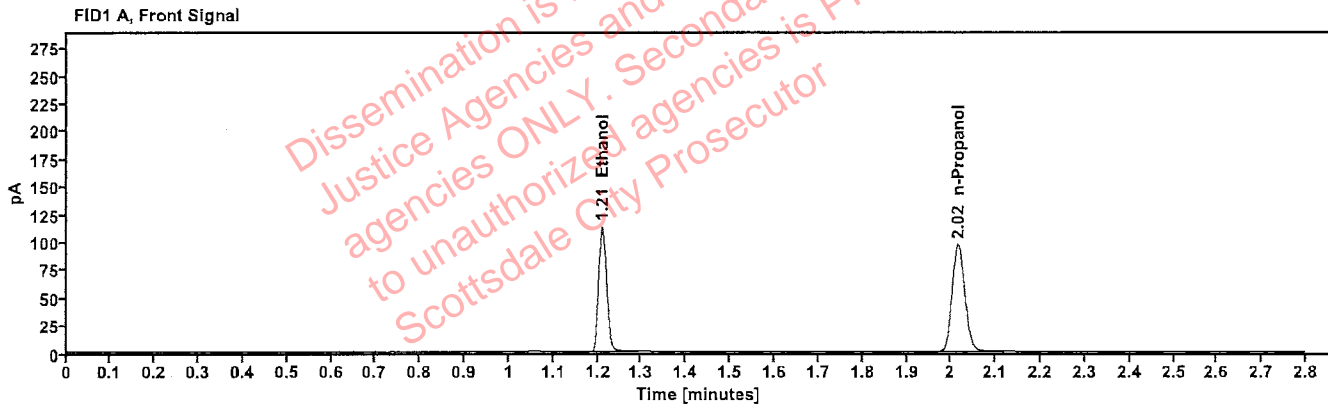


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2035	1.210	143.727
n-Propanol	----	2.016	191.911

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

Compound	Time (min)	Peak Area
Ethanol	1.359	157.487
n-Propanol	2.436	207.092

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 7:25:09 PM
Data file: C:\Chem32\1\Data\07Dec22\20.D	Analyst: Abbott

Abbott

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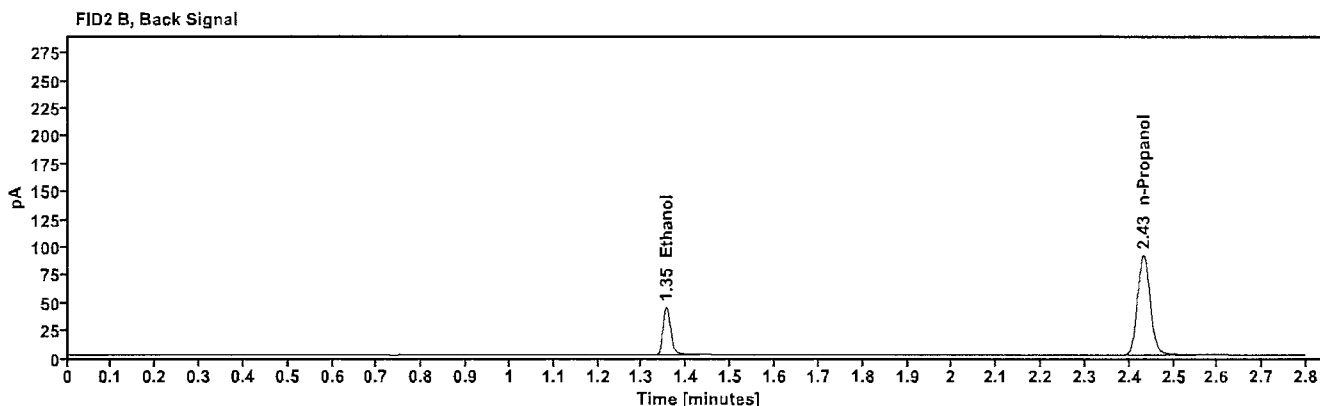
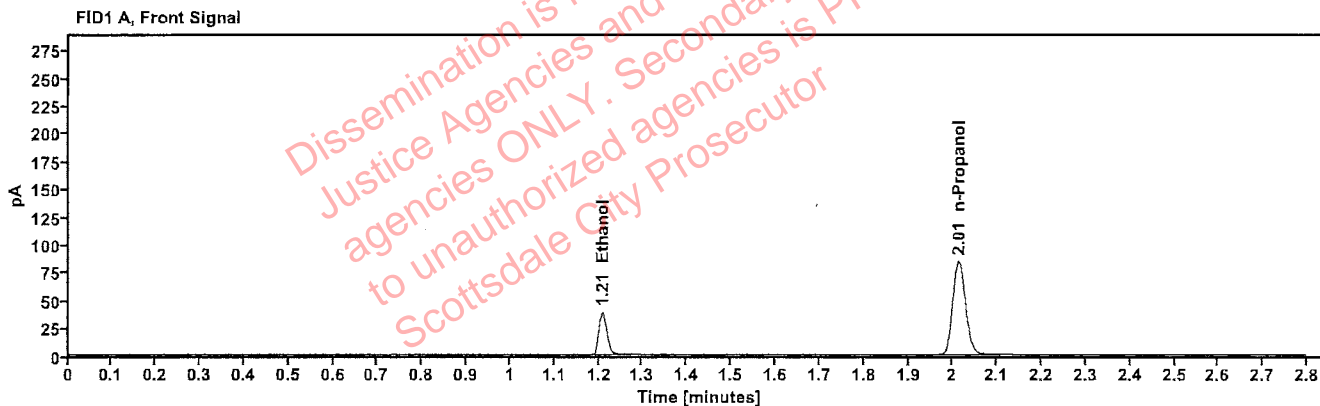


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0784	1.209	48.550
n-Propanol	---	2.013	168.108

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

Compound	Time (min)	Peak Area
Ethanol	1.355	52.678
n-Propanol	2.432	181.525

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 8:09:39 PM
Data file: C:\Chem32\1\Data\07Dec22\31.D	Analyst: Abbott DA

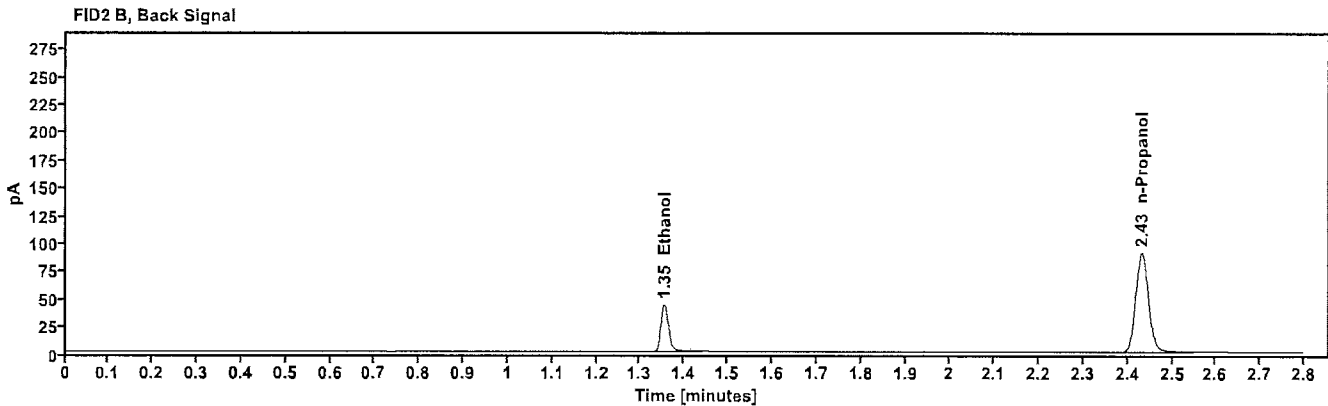
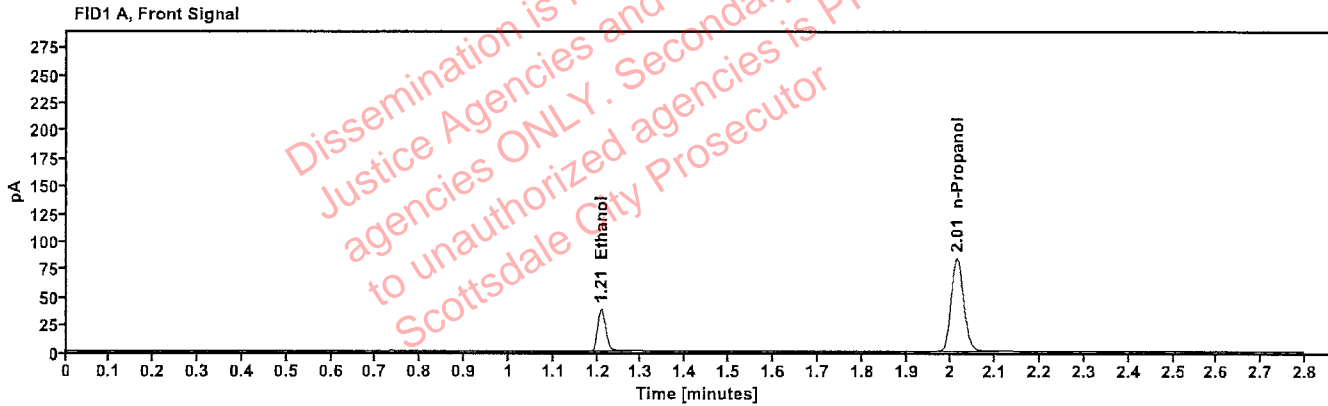


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0781	1.209	48.223
n-Propanol	-----	2.013	167.544

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

Compound	Time (min)	Peak Area
Ethanol	1.354	52.382
n-Propanol	2.432	180.827

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 8:53:54 PM
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Abbott

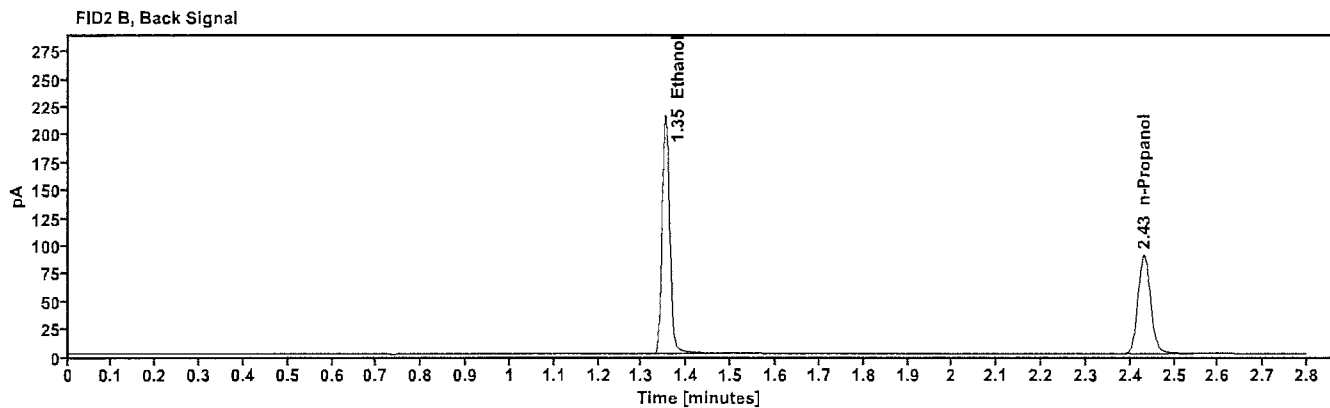
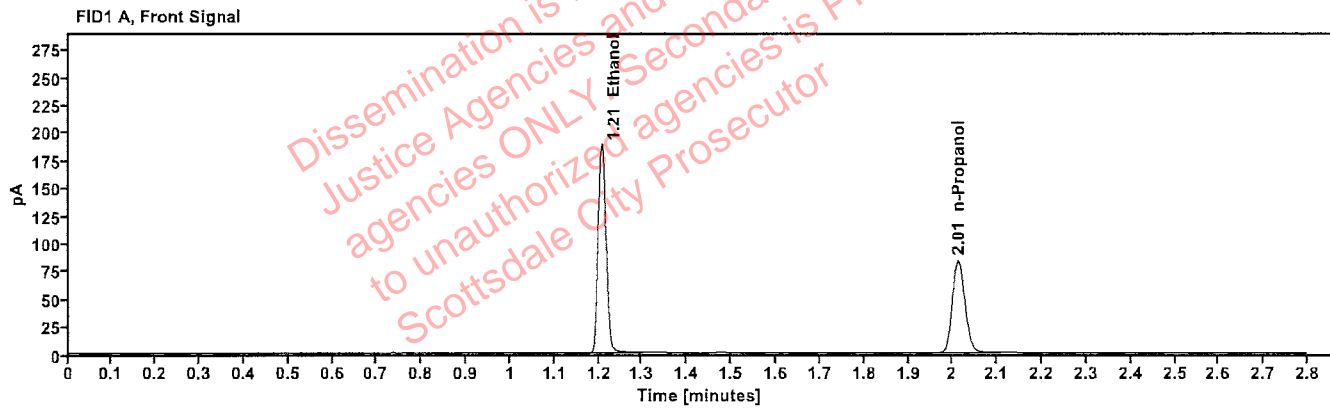


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3897	1.206	237.707
n-Propanol	----	2.013	165.818

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

Compound	Time (min)	Peak Area
Ethanol	1.352	260.818
n-Propanol	2.431	178.970

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 07Dec22
Instrument: US14173023 CN14160045	Injection date: 12/7/2022 8:58:09 PM
Data file: C:\Chem32\1\Data\07Dec22\43.D	Analyst: Abbott JA

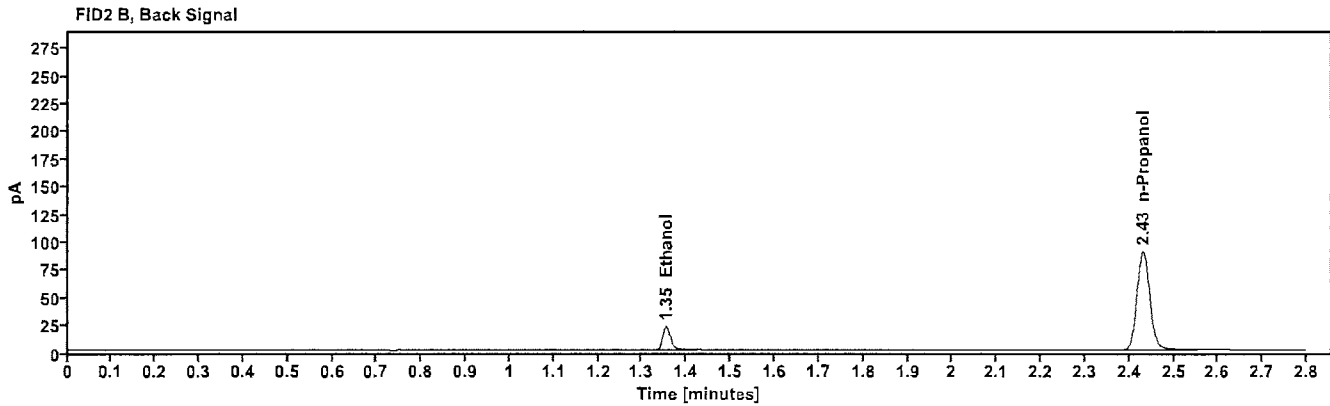
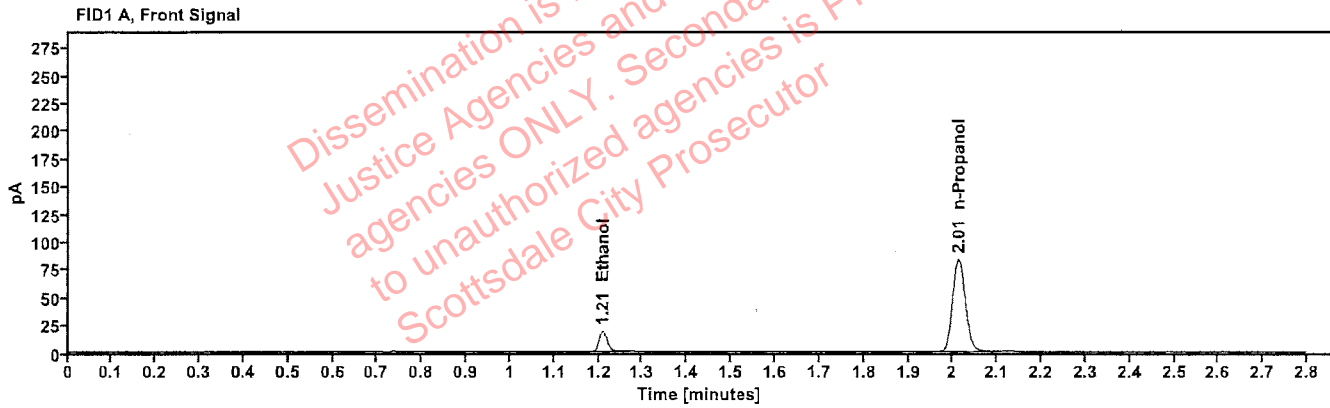


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0387	1.209	23.727
n-Propanol	-----	2.013	166.138

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

Compound	Time (min)	Peak Area
Ethanol	1.354	25.671
n-Propanol	2.431	179.557

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	Vial:	44
Description:	0.199	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 9:02:09 PM
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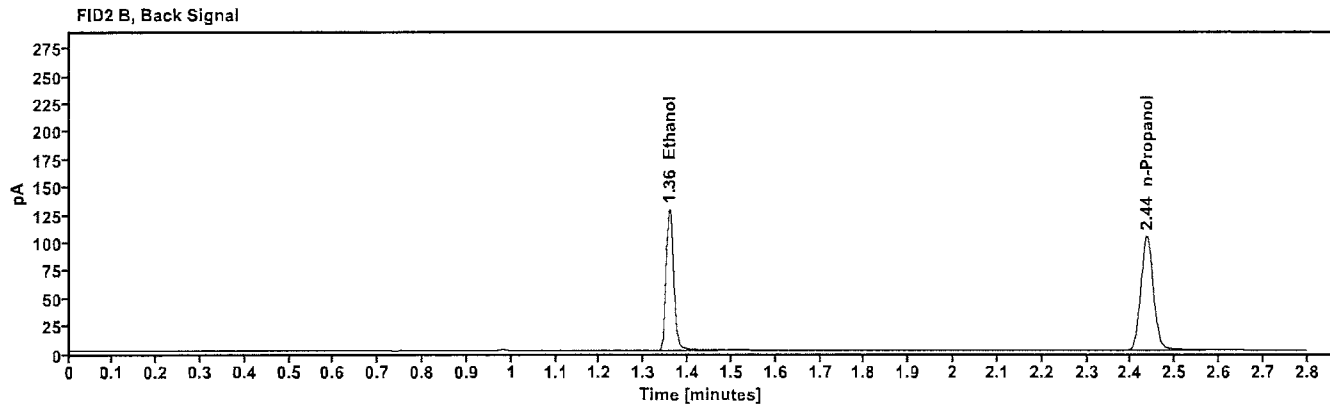
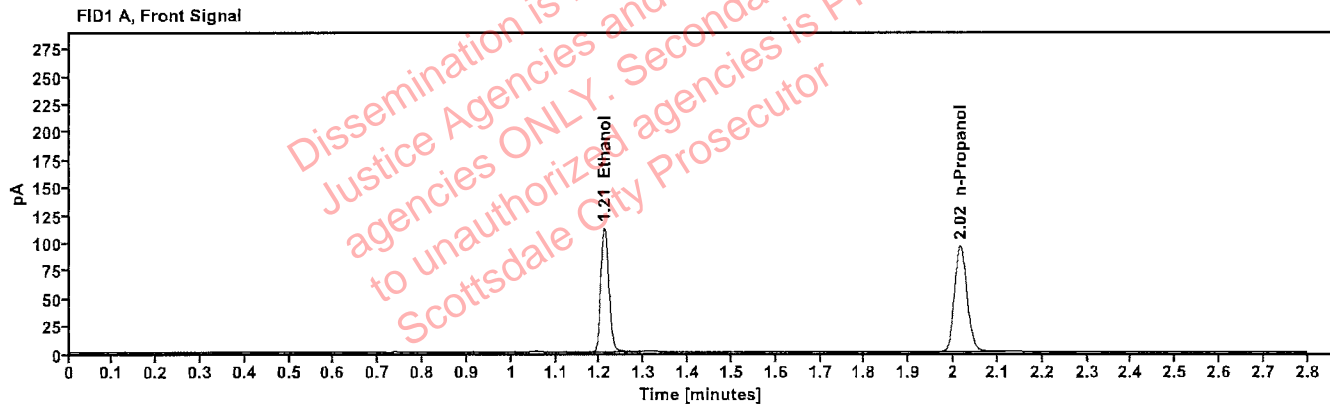


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.210	142.882
n-Propanol	---	2.016	191.164

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

Compound	Time (min)	Peak Area
Ethanol	1.358	156.485
n-Propanol	2.436	206.591

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	Vial:	45
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 9:06:09 PM
Data file:	C:\Chem32\1\Data\07Dec22\45.D	Analyst:	Abbott <i>DA</i>

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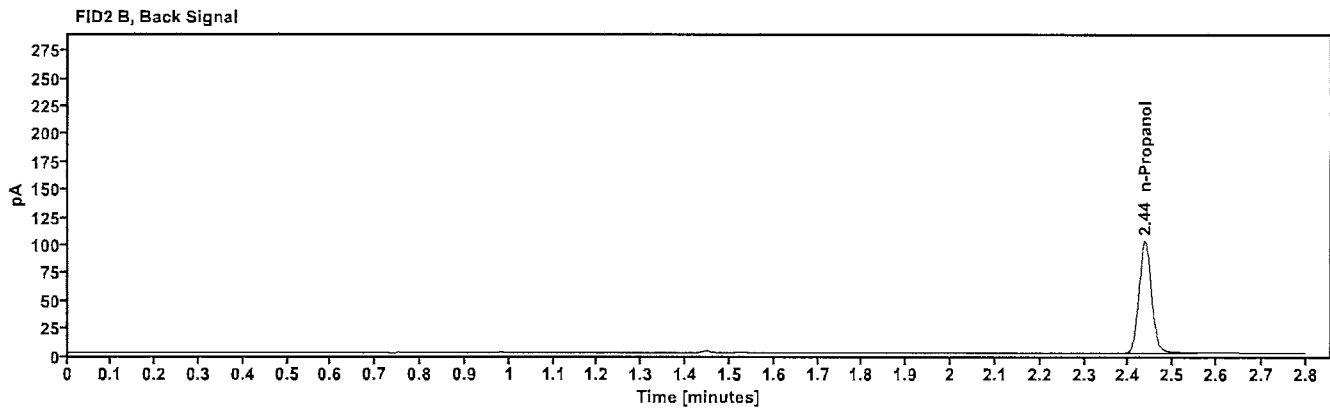
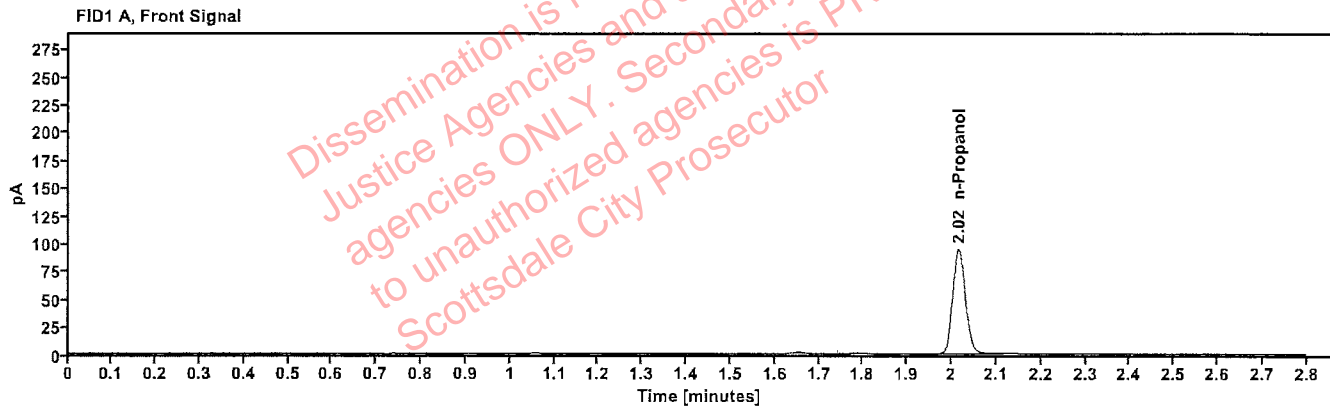


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	187.897

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	202.909

Sequence Summary


Sequence name: 07Dec22 Instrument: US14173023 CN14160045 Analyst: Abbott *JA*

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	2222419-2		Sample		ethanol quant.M
11	2222419-2		Sample		ethanol quant.M
12	2222743-1		Sample		ethanol quant.M
13	2222743-1		Sample		ethanol quant.M
14	2222786-2		Sample		ethanol quant.M
15	2222786-2		Sample		ethanol quant.M
16	2222870-1		Sample		ethanol quant.M
17	2222870-1		Sample		ethanol quant.M
18	2222868-2		Sample		ethanol quant.M
19	2222868-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1419529		Sample		ethanol quant.M
22	1419529		Sample		ethanol quant.M
23	2223174-1		Sample		ethanol quant.M
24	2223174-1		Sample		ethanol quant.M
25	2223180-2		Sample		ethanol quant.M
26	2223180-2		Sample		ethanol quant.M
27	2223259-2		Sample		ethanol quant.M
28	2223259-2		Sample		ethanol quant.M
29	2223333-1		Sample		ethanol quant.M
30	2223333-1		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	327-01D.H.		Sample		ethanol quant.M
33	327-01D.H.		Sample		ethanol quant.M
34	404-01M.F.		Sample		ethanol quant.M
35	404-01M.F.		Sample		ethanol quant.M
36	327-01K.D.		Sample		ethanol quant.M
37	327-01K.D.		Sample		ethanol quant.M
38	385-01D.S.		Sample		ethanol quant.M
39	385-01D.S.		Sample		ethanol quant.M
40	417-01S.P.		Sample		ethanol quant.M
41	417-01S.P.		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/8	0.199	Control		ethanol quant.M
45	101921WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 07Dec22

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2277	0.2261	0.22690	0.35	0.00080
12 13	0.0931	0.0929	0.09300	0.11	0.00010
14 15	0.1147	0.1155	0.11510	0.35	0.00040
16 17	0.1611	0.1626	0.16185	0.46	0.00075
18 19	0.1480	0.1486	0.14830	0.20	0.00030
21 22	0.1594	0.1591	0.15925	0.09	0.00015
23 24	0.0828	0.0836	0.08320	0.48	0.00040
25 26	0.2189	0.2188	0.21885	0.02	0.00005
27 28	0.1043	0.1042	0.10425	0.05	0.00005
29 30	0.1221	0.1220	0.12205	0.04	0.00005
32 33	0.0395	0.0392	0.03935	0.38	0.00015
34 35	0.1127	0.1126	0.11265	0.04	0.00005
36 37	0.2140	0.2134	0.21370	0.14	0.00030
38 39	0.1584	0.1579	0.15815	0.16	0.00025
40 41	0.0327	0.0327	0.03270	0.00	0.00000

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222419-2	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 6:44:39 PM
Data file:	C:\Chem32\1\Data\07Dec22\10.D	Analyst:	Abbott

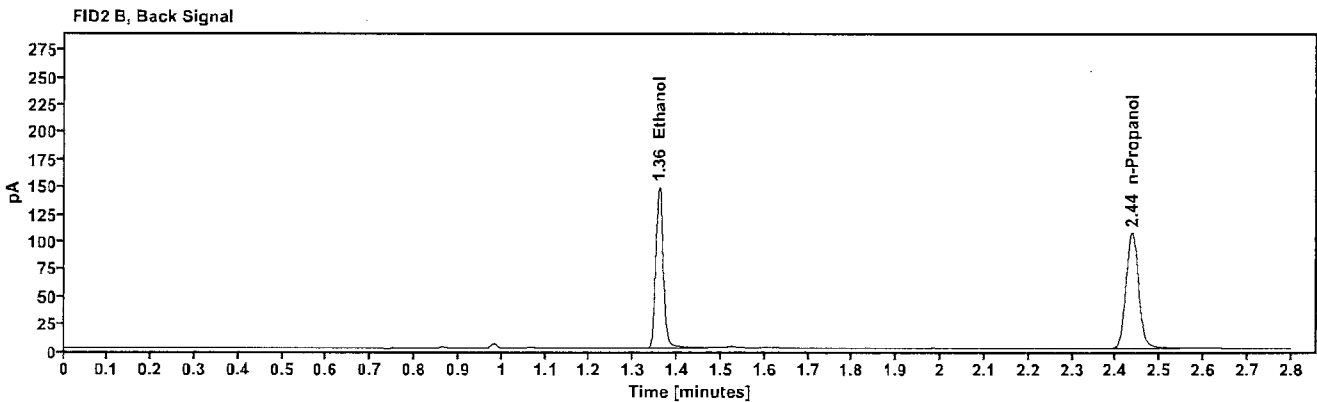
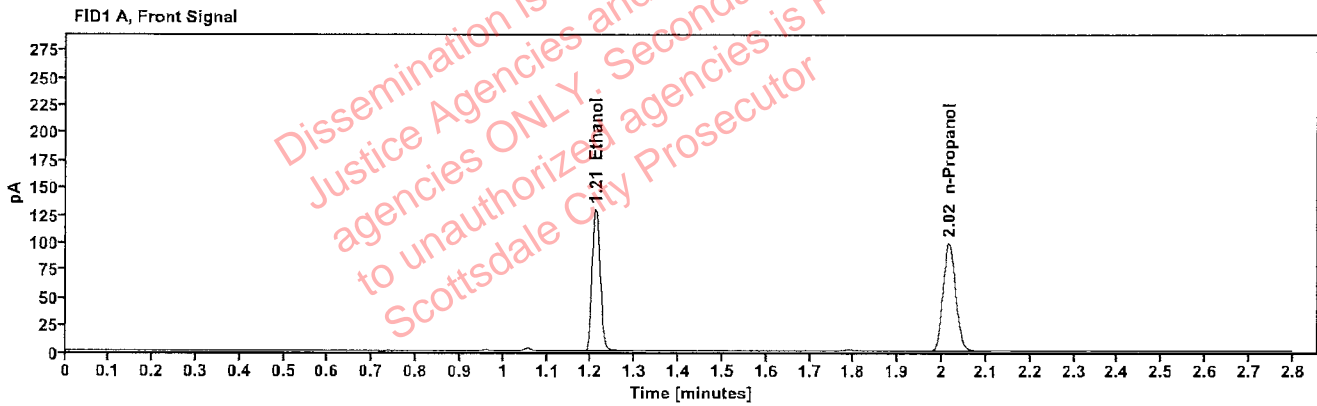


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2277	1.210	164.671
n-Propanol	-----	2.016	196.539

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

Compound	Time (min)	Peak Area
Ethanol	1.358	180.020
n-Propanol	2.436	211.666

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222419-2	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 6:48:40 PM
Data file:	C:\Chem32\1\Data\07Dec22\11.D	Analyst:	Abbott

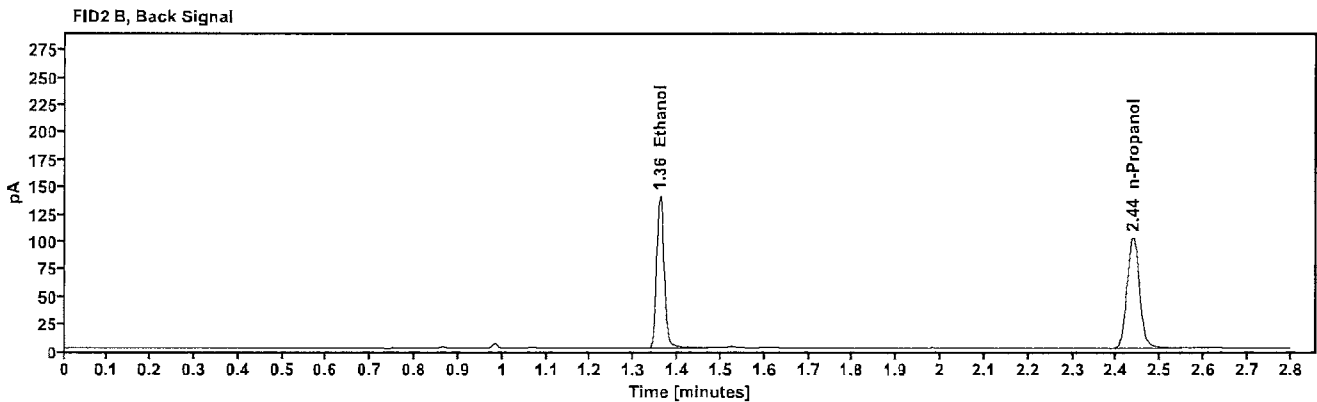
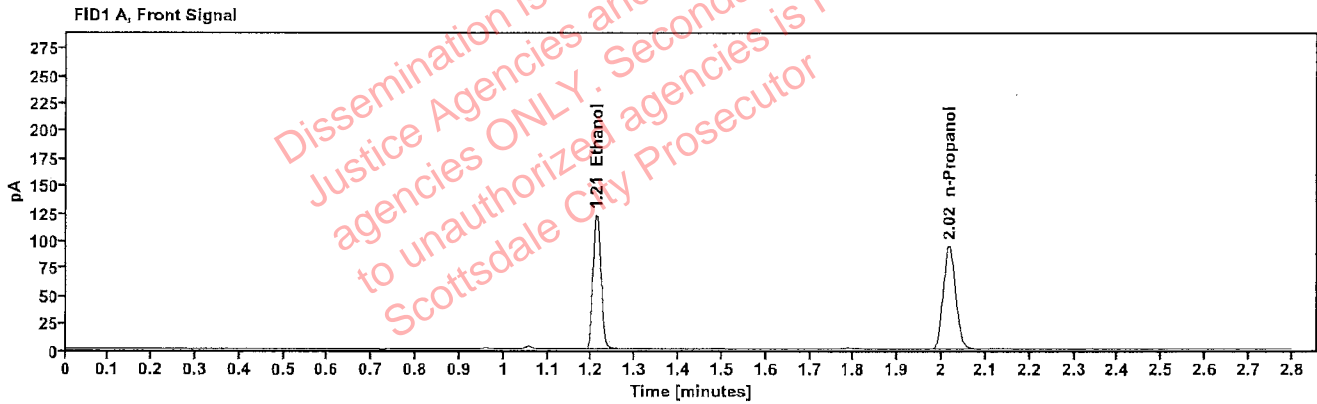


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2261	1.211	156.445
n-Propanol	-----	2.017	188.079

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

Compound	Time (min)	Peak Area
Ethanol	1.360	171.233
n-Propanol	2.437	202.504

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222743-1	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 6:52:39 PM
Data file:	C:\Chem32\1\Data\07Dec22\12.D	Analyst:	Abbott

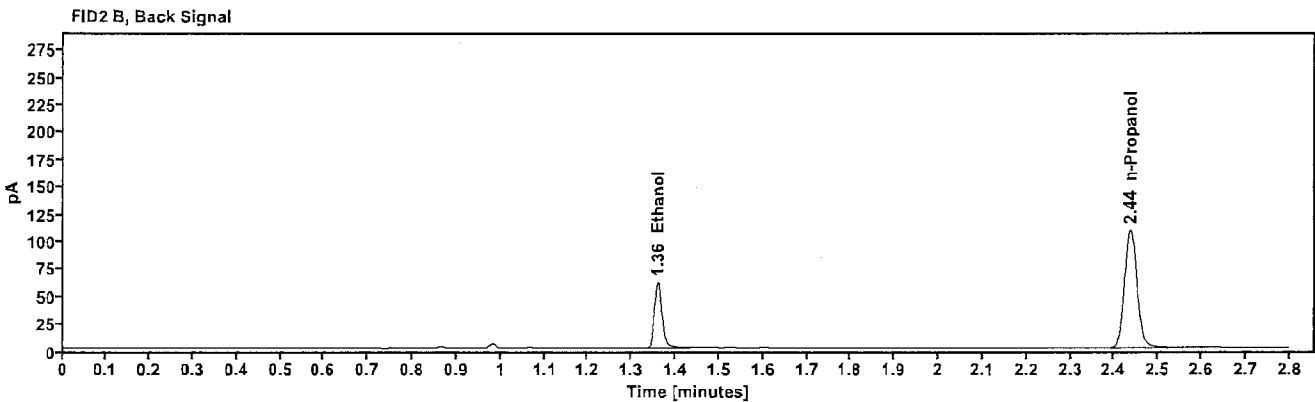
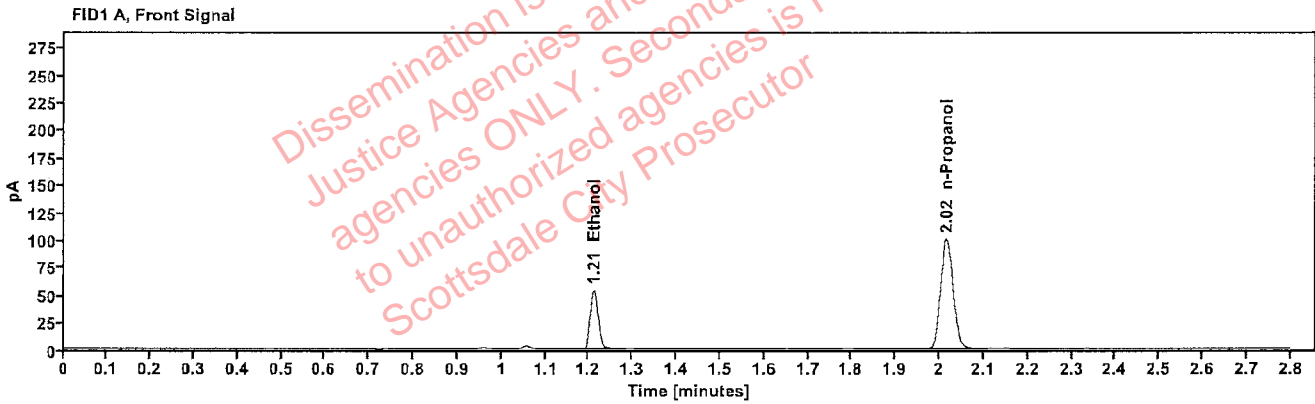


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0931	1.211	68.559
n-Propanol	-----	2.016	200.004

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

Compound	Time (min)	Peak Area
Ethanol	1.359	74.096
n-Propanol	2.437	216.102

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222743-1	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 6:56:54 PM
Data file:	C:\Chem32\1\Data\07Dec22\13.D	Analyst:	Abbott

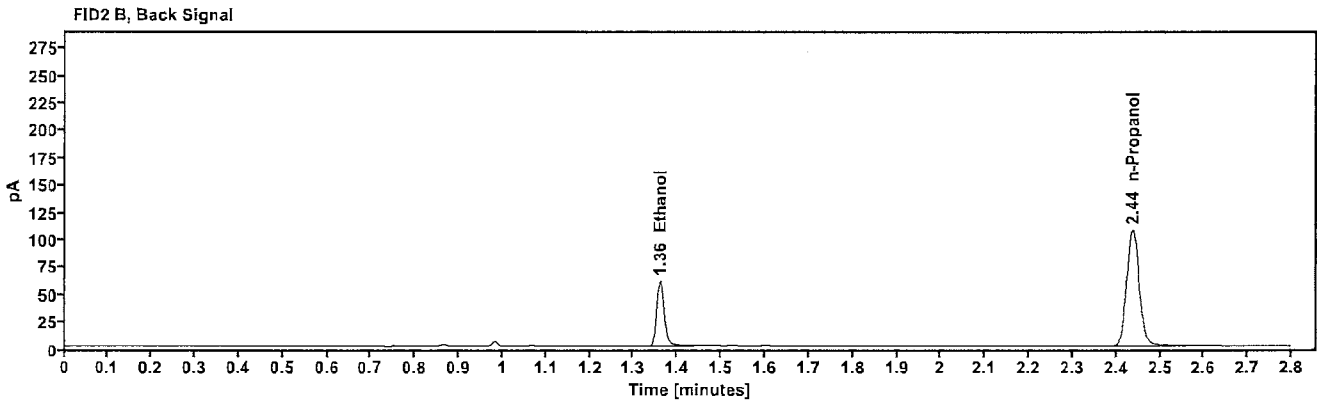
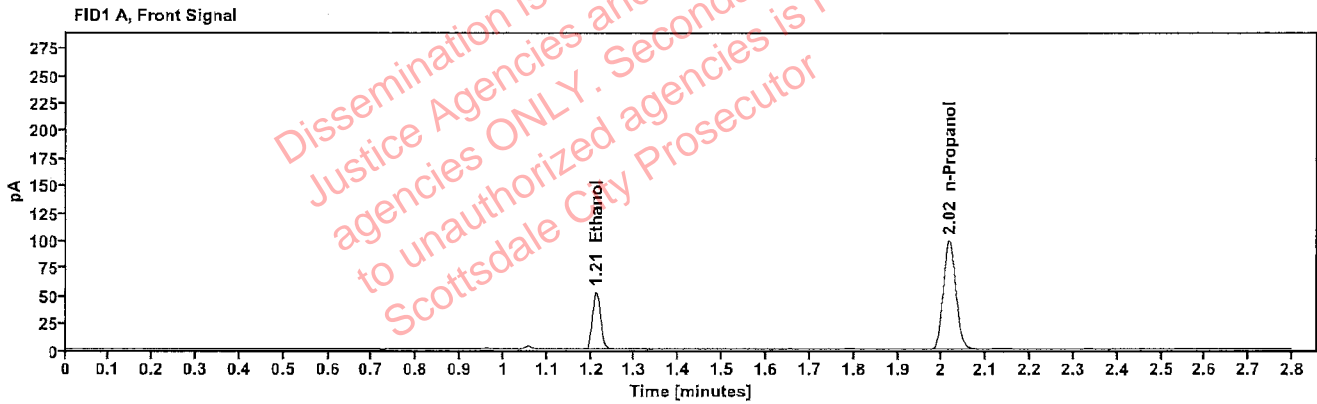


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0929	1.212	67.408
n-Propanol	-----	2.017	196.875

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

Compound	Time (min)	Peak Area
Ethanol	1.360	72.813
n-Propanol	2.437	212.649

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222786-2	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:00:54 PM
Data file:	C:\Chem32\1\Data\07Dec22\14.D	Analyst:	Abbott

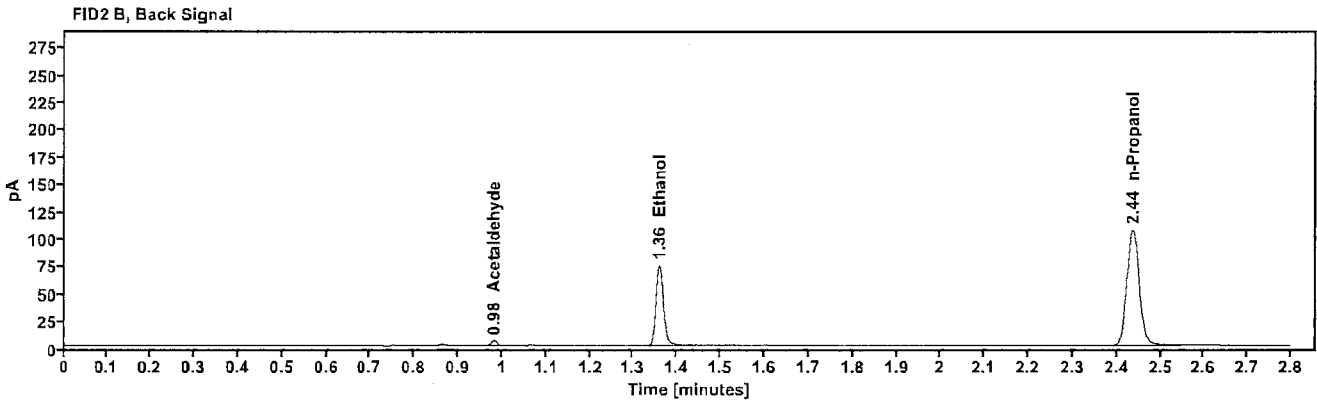
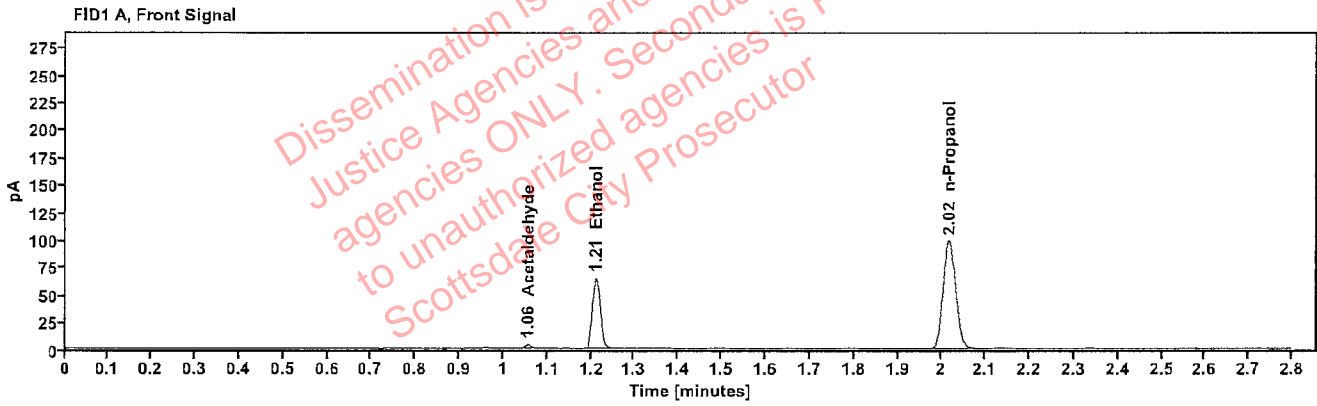


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.911
>Ethanol	0.1147	1.211	83.122
n-Propanol	-----	2.016	196.782

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.357
Ethanol	1.359	89.792
n-Propanol	2.437	212.012

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222786-2	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:04:54 PM
Data file:	C:\Chem32\1\Data\07Dec22\15.D	Analyst:	Abbott

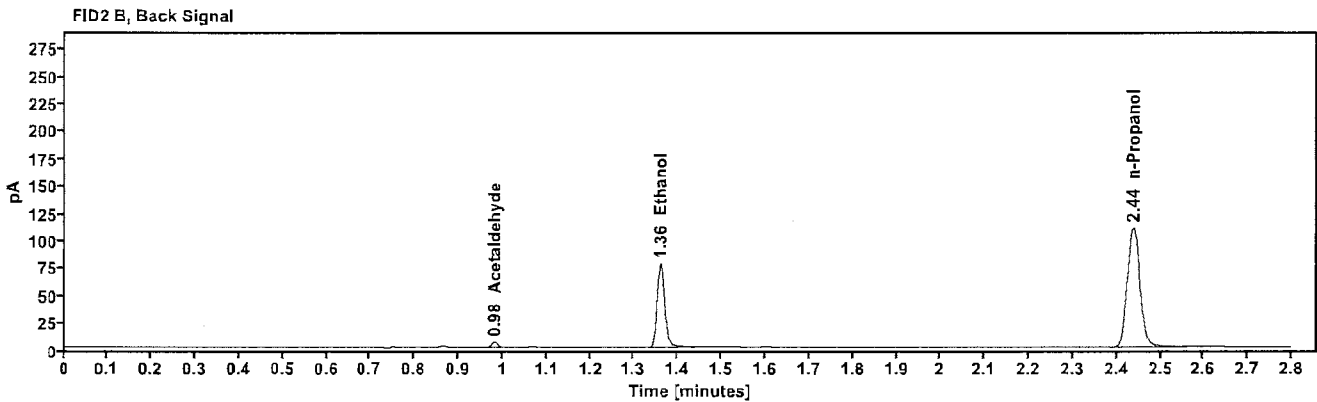
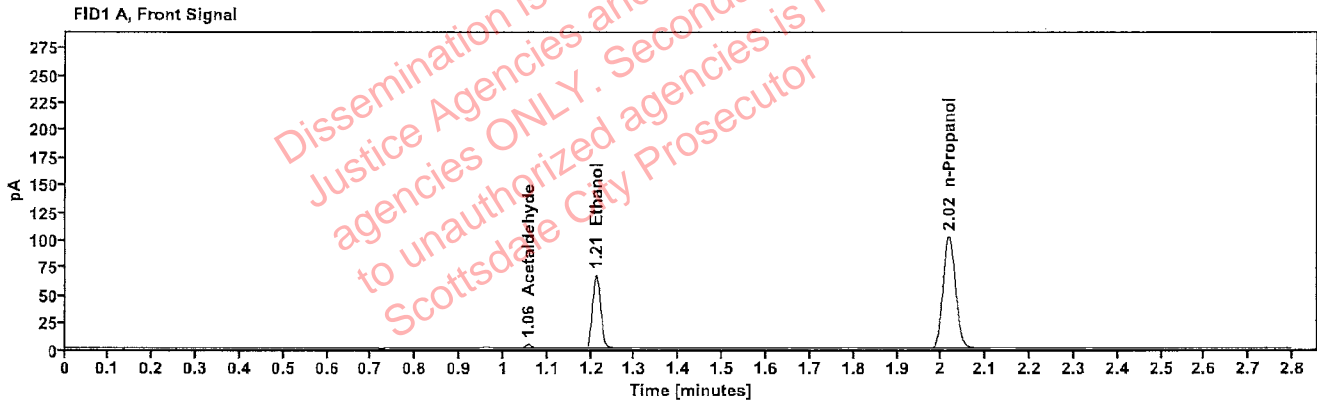


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.937
>Ethanol	0.1155	1.212	86.206
n-Propanol	-----	2.017	202.737

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.384
Ethanol	1.360	93.272
n-Propanol	2.438	219.043

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222870-1	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:08:54 PM
Data file:	C:\Chem32\1\Data\07Dec22\16.D	Analyst:	Abbott

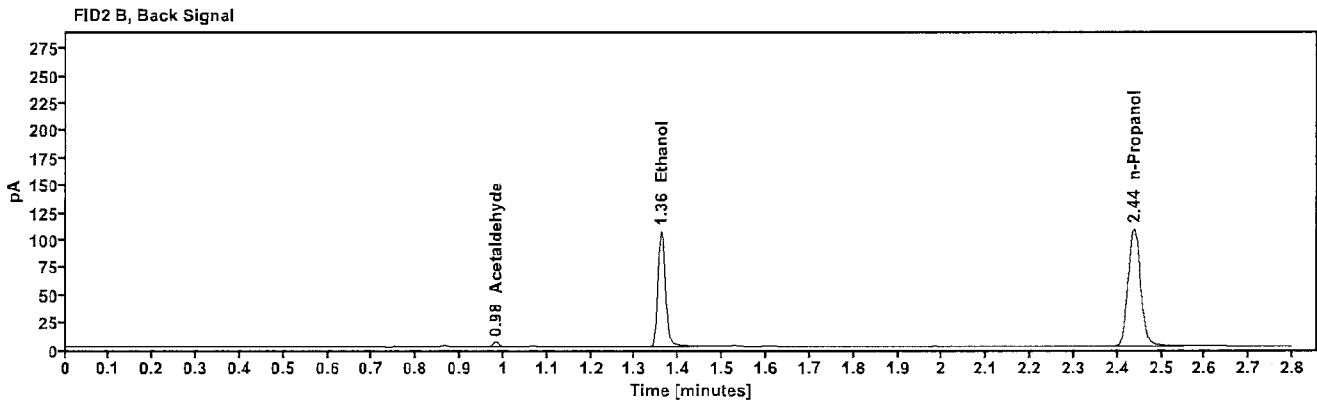
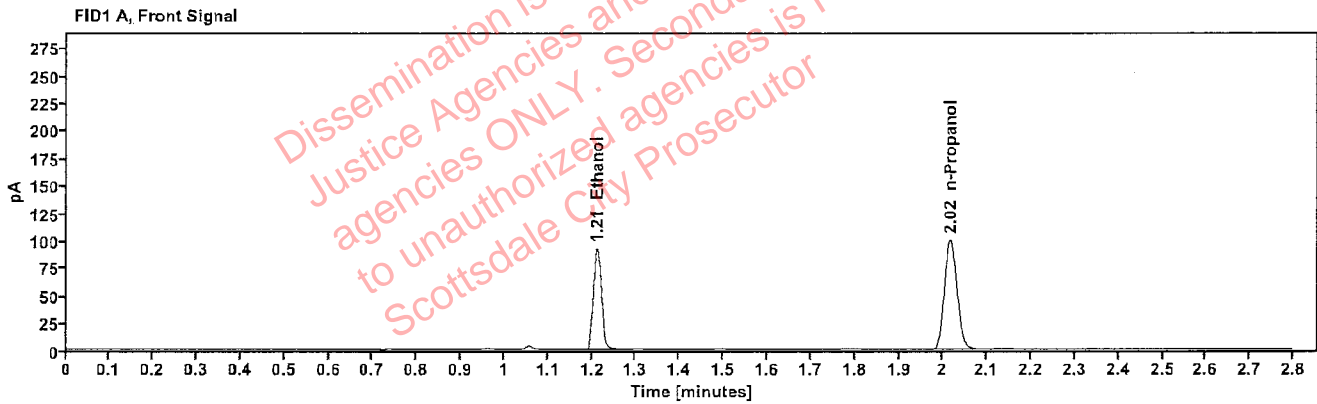


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1611	1.211	118.411
n-Propanol	-----	2.017	199.651

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	3.829
Ethanol	1.360	128.834
n-Propanol	2.438	215.377

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222870-1	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:12:54 PM
Data file:	C:\Chem32\1\Data\07Dec22\17.D	Analyst:	Abbott

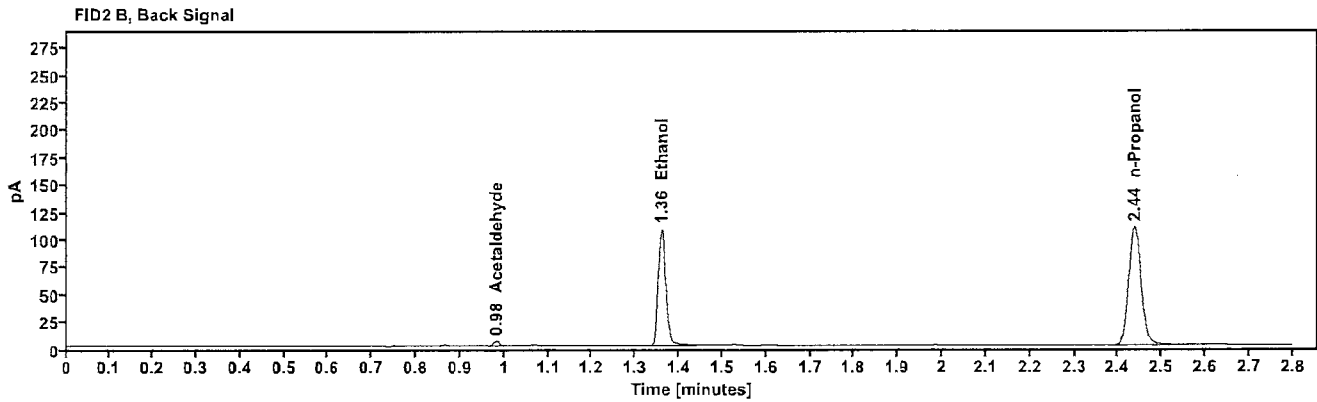
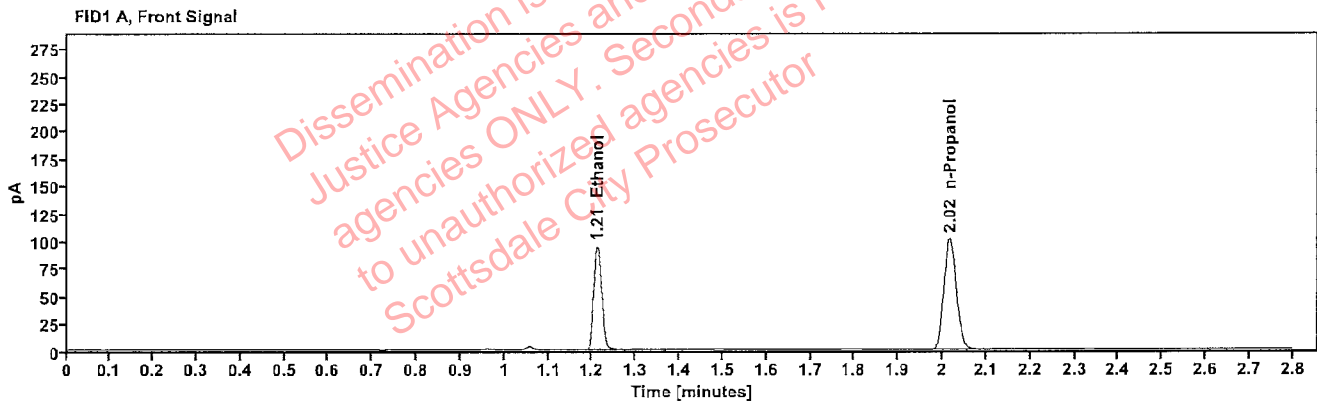


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1626	1.211	120.450
n-Propanol	-----	2.017	201.266

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	3.912
Ethanol	1.360	130.669
n-Propanol	2.437	217.186

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222868-2	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:16:55 PM
Data file:	C:\Chem32\1\Data\07Dec22\18.D	Analyst:	Abbott

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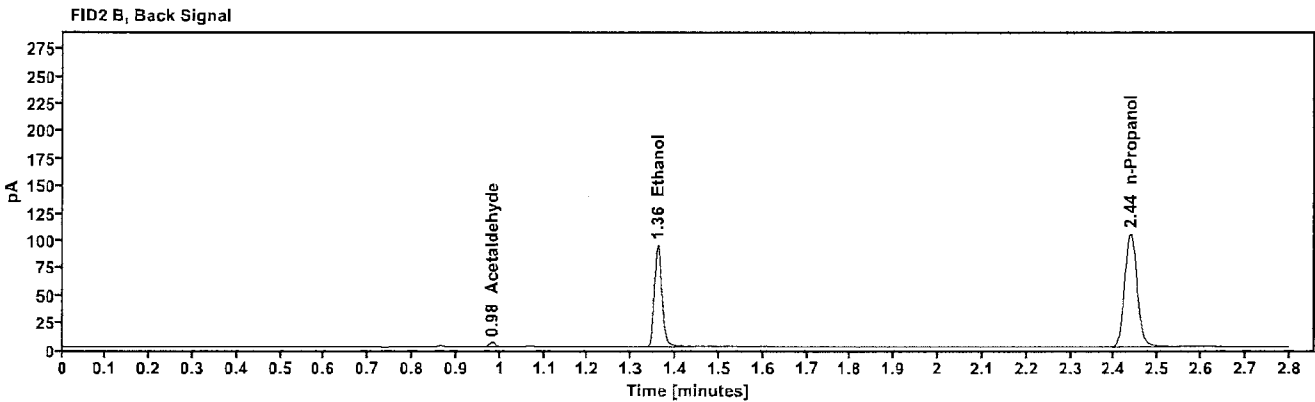
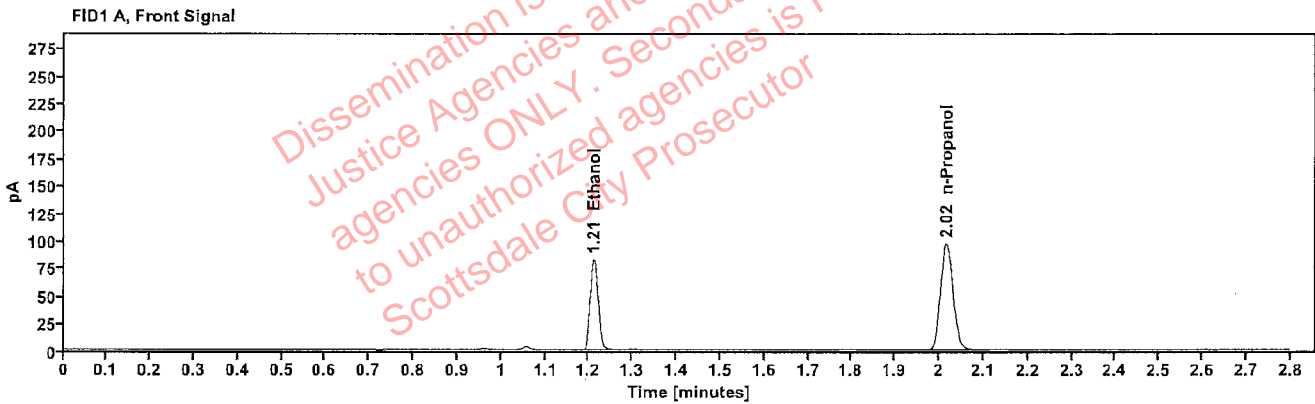


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1480	1.211	105.215
n-Propanol	-----	2.016	193.151

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	3.964
Ethanol	1.359	113.994
n-Propanol	2.437	207.705

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2222868-2	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:21:09 PM
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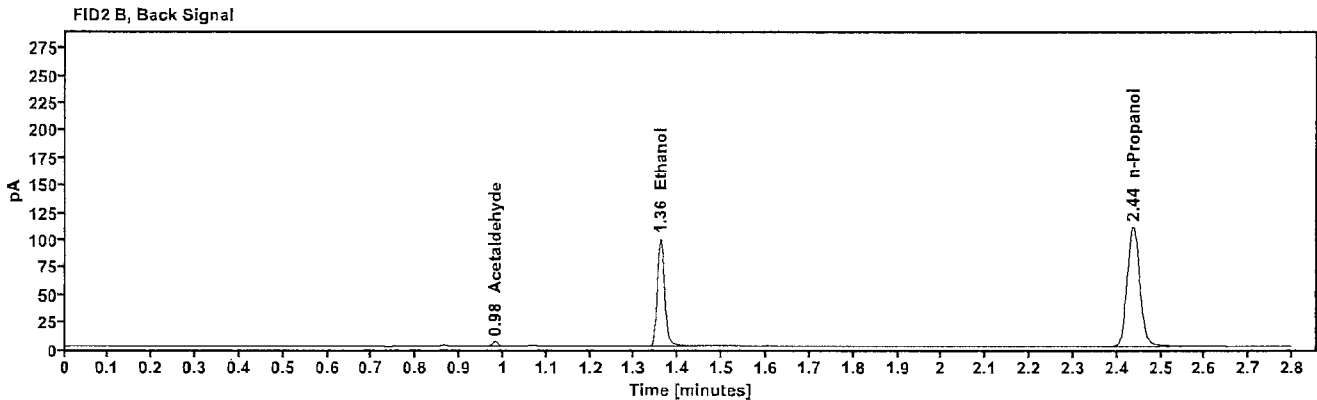
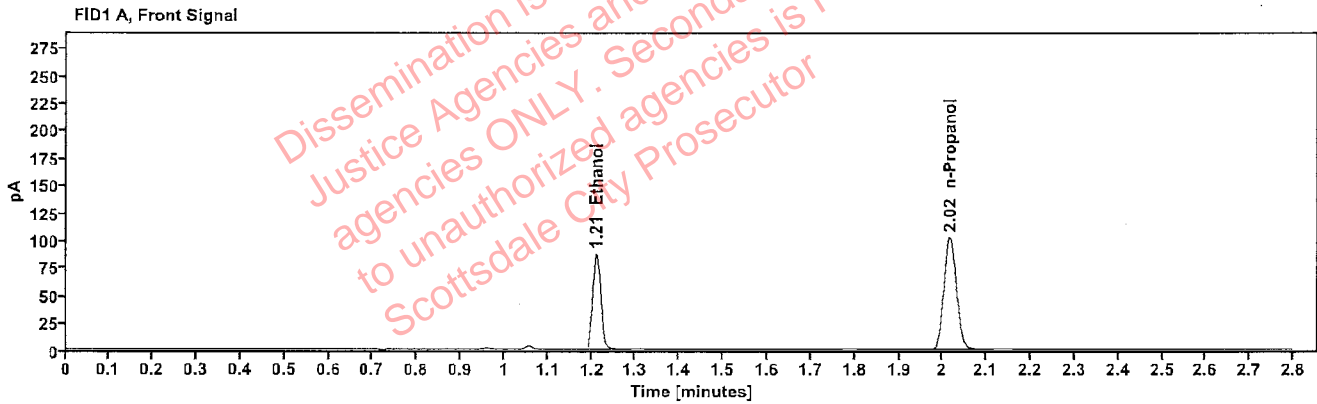


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1486	1.211	110.899
n-Propanol	-----	2.016	202.796

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	3.956
Ethanol	1.359	120.273
n-Propanol	2.437	218.101

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1419529	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:29:09 PM
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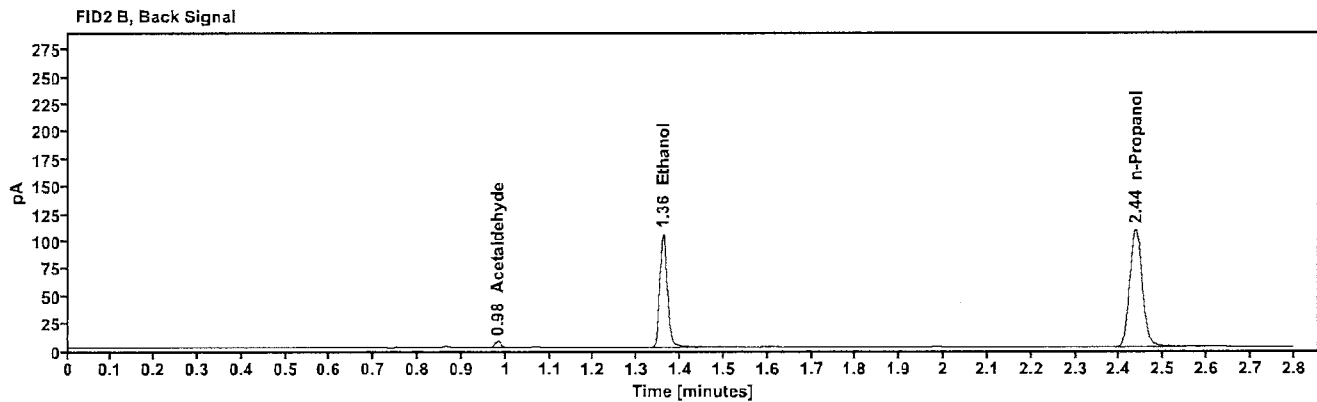
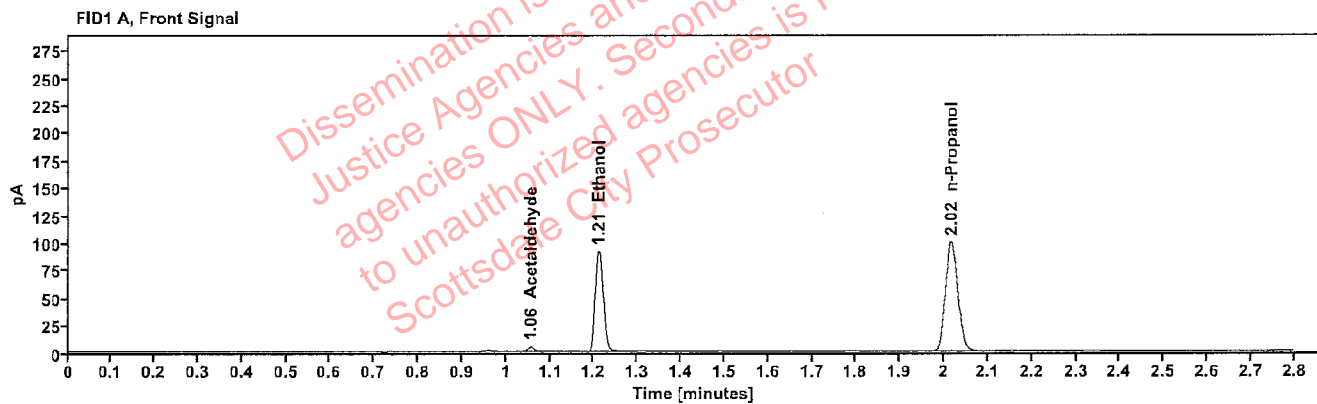


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.786
>Ethanol	0.1594	1.211	117.171
n-Propanol	-----	2.017	199.659

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	5.360
Ethanol	1.360	127.263
n-Propanol	2.437	215.398

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1419529	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:33:09 PM
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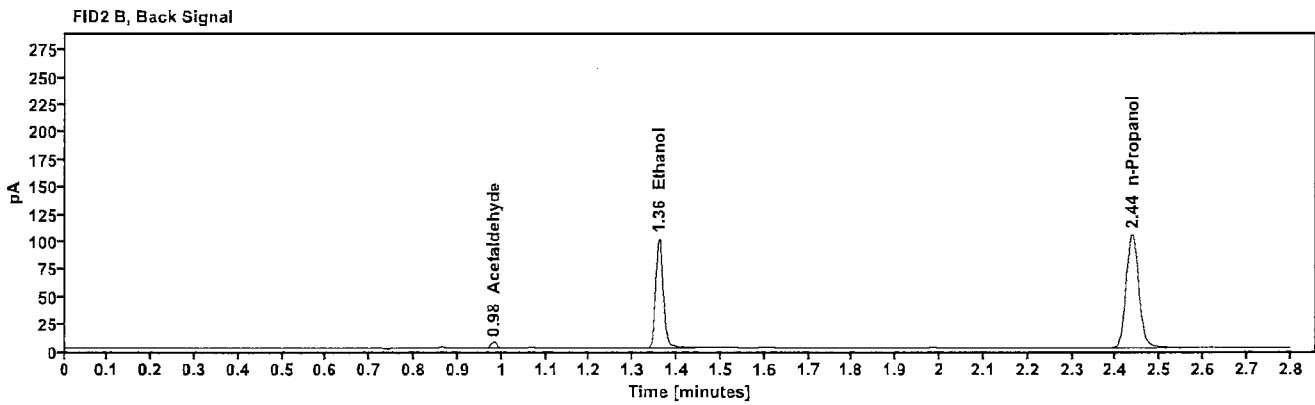
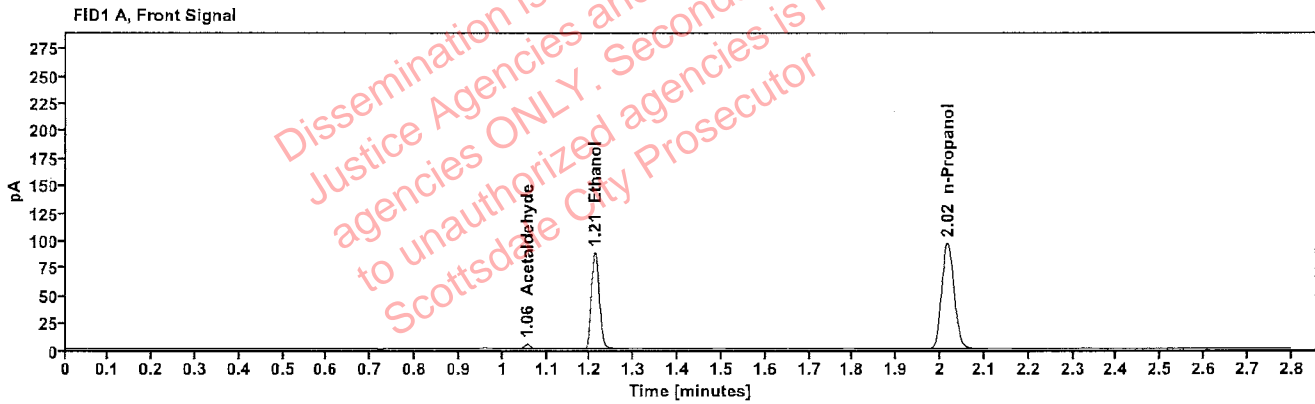


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.687
>Ethanol	0.1591	1.211	112.690
n-Propanol	-----	2.016	192.383

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	5.230
Ethanol	1.359	122.596
n-Propanol	2.437	207.558

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223174-1	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:37:09 PM
Data file:	C:\Chem32\1\Data\07Dec22\23.D	Analyst:	Abbott

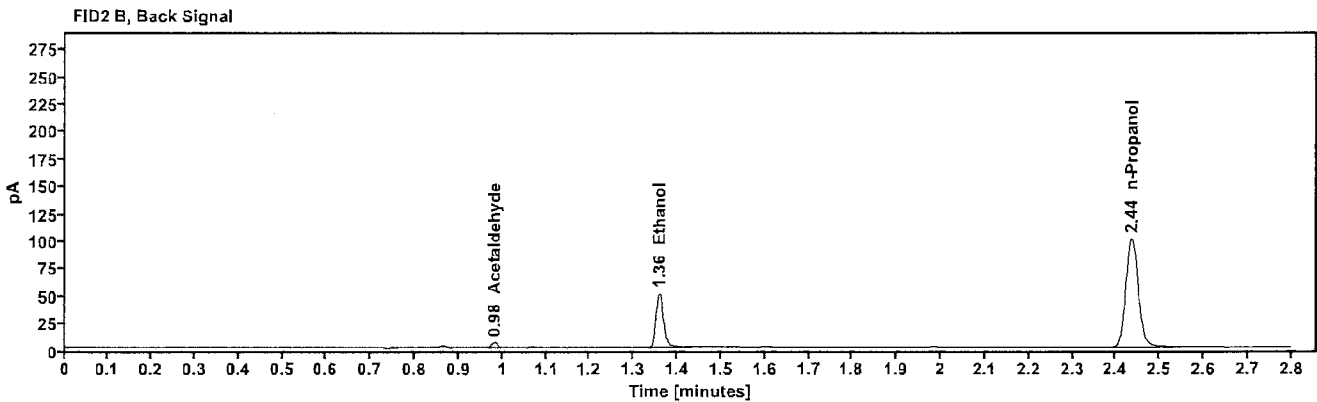
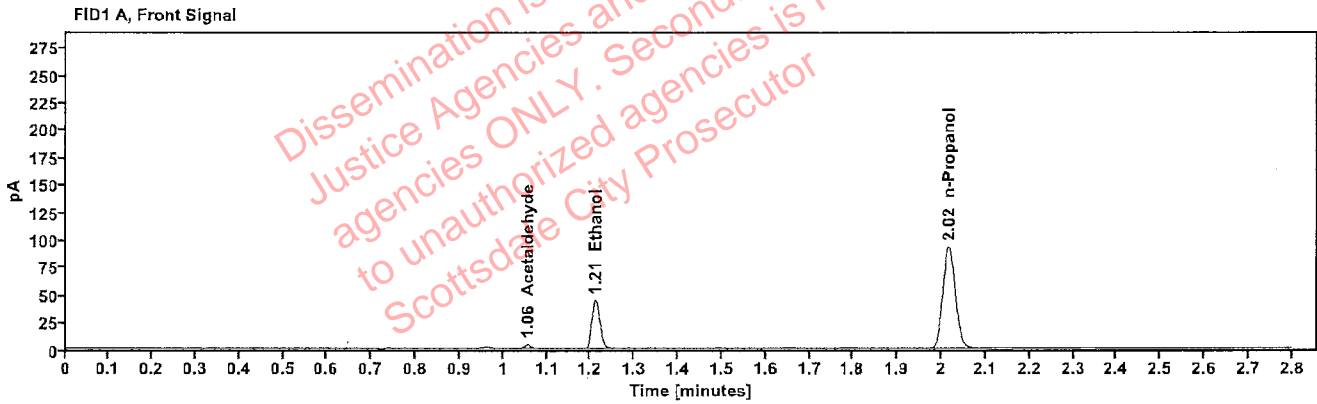


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.930
>Ethanol	0.0828	1.211	56.274
n-Propanol	-----	2.016	184.457

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.461
Ethanol	1.359	61.708
n-Propanol	2.436	198.687

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223174-1	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:41:09 PM
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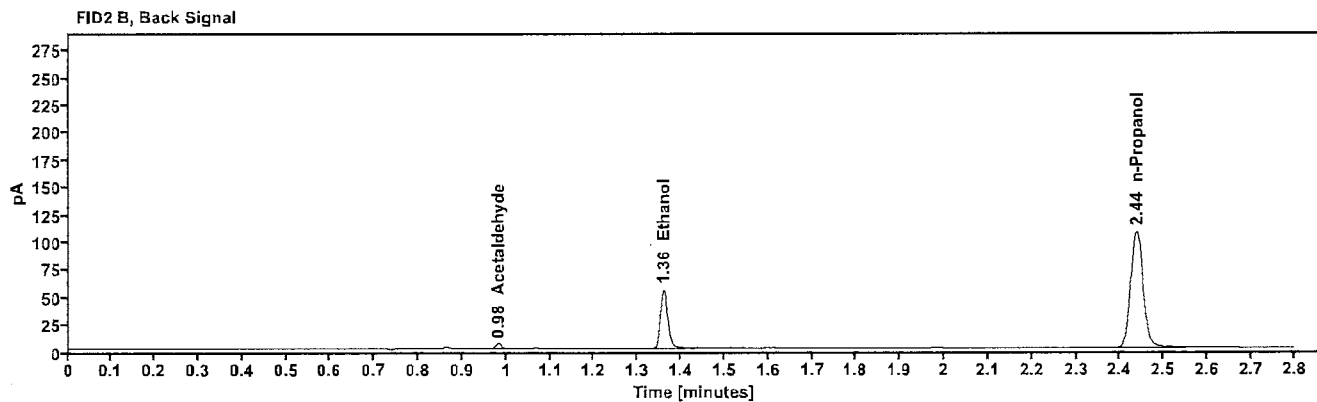
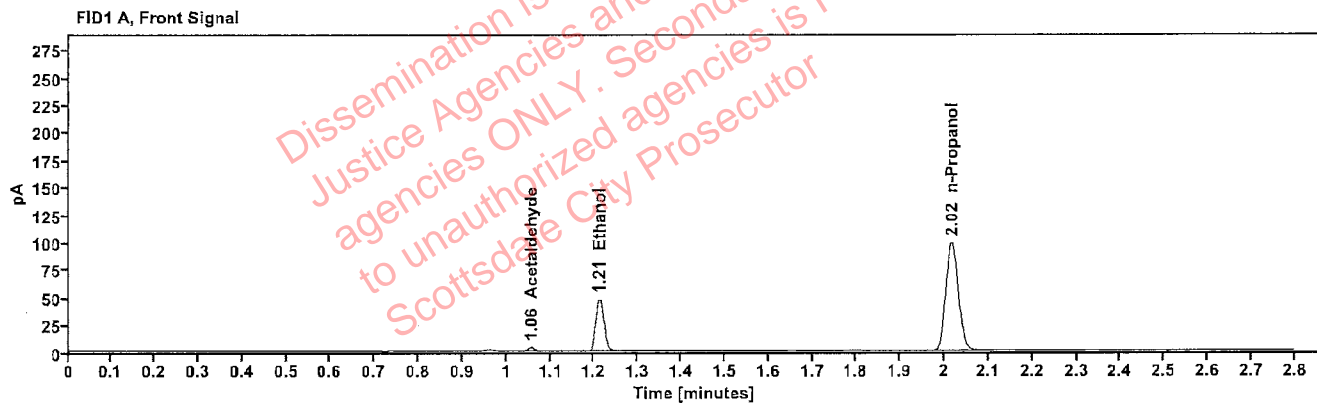


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.888
>Ethanol	0.0836	1.212	60.830
n-Propanol	-----	2.017	197.472

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4,389
Ethanol	1.360	66.792
n-Propanol	2.437	212.845

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223180-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:45:24 PM
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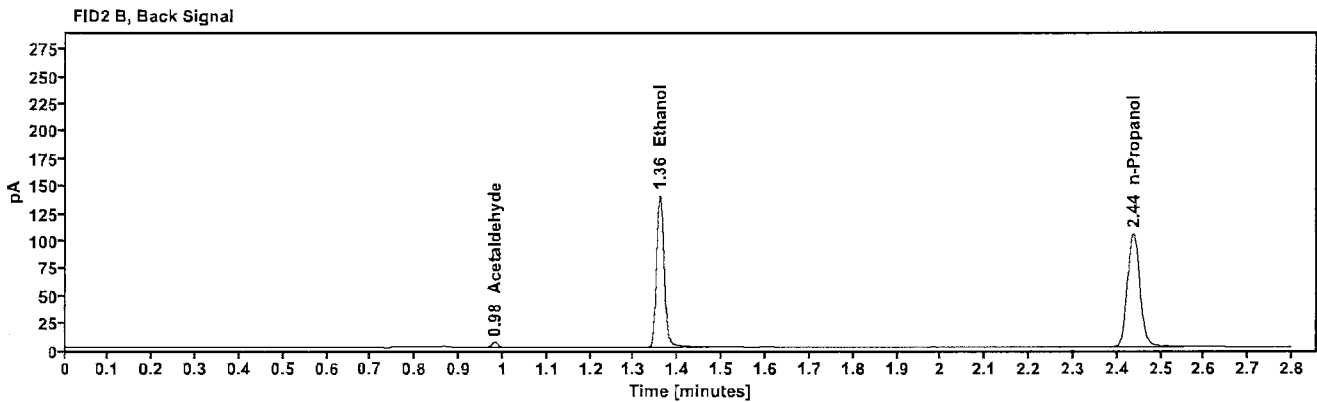
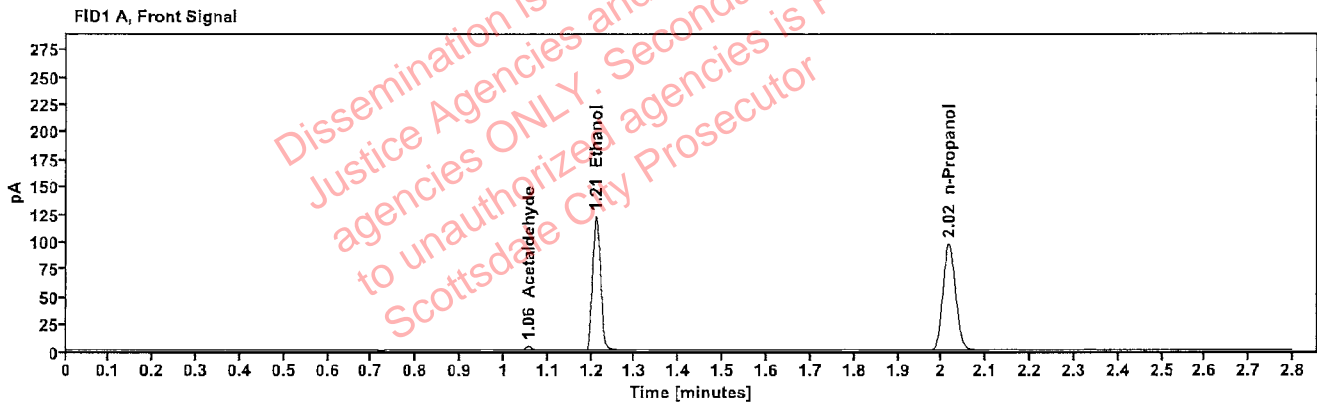


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.873
>Ethanol	0.2189	1.210	155.621
n-Propanol	-----	2.016	193.206

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.296
Ethanol	1.359	169.971
n-Propanol	2.437	208.325

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223180-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:49:24 PM
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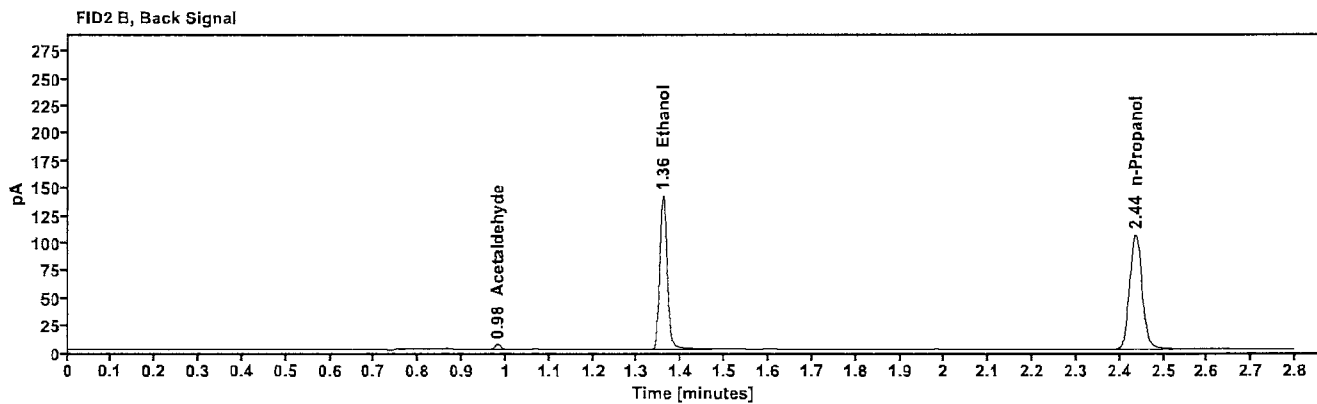
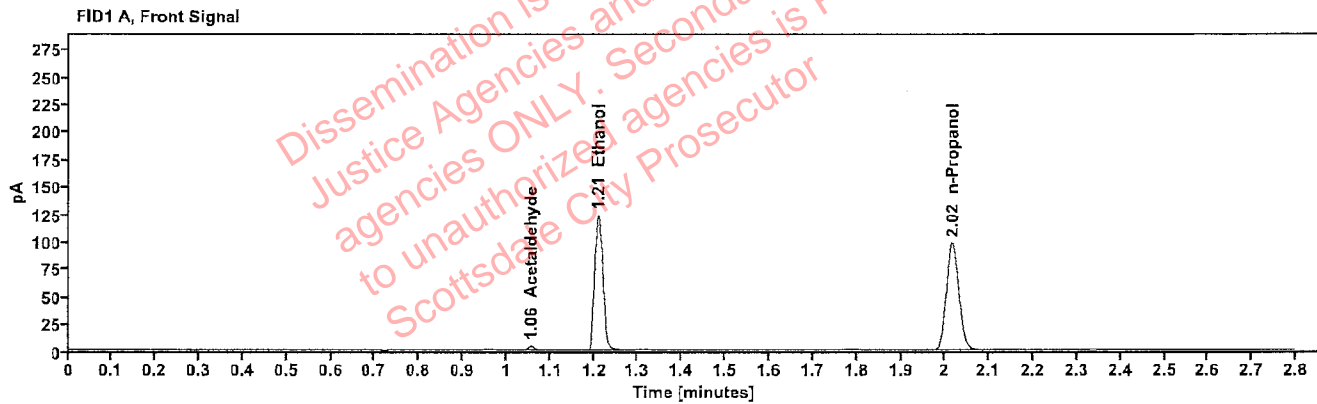


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.836
>Ethanol	0.2188	1.210	156.889
n-Propanol	-----	2.016	194.825

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.273
Ethanol	1.358	171.579
n-Propanol	2.436	210.058

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223259-2	Vial:	27
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:53:24 PM
Data file:	C:\Chem32\1\Data\07Dec22\27.D	Analyst:	Abbott

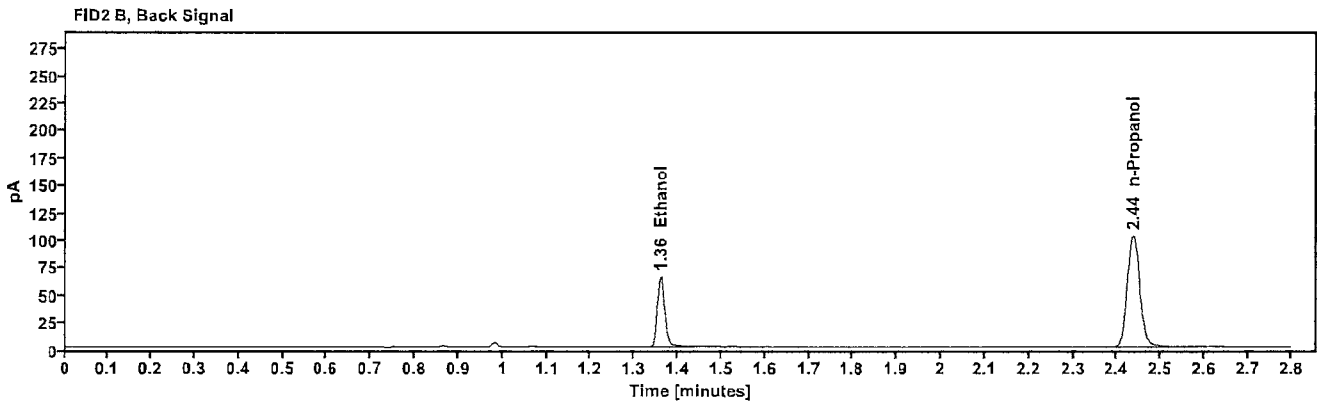
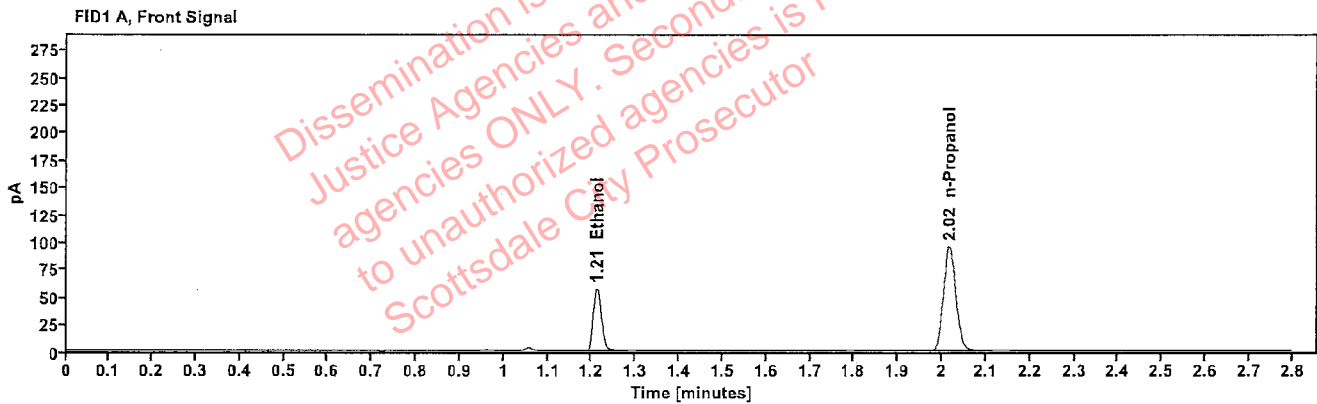


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1043	1.211	72.967
n-Propanol	-----	2.016	189.994

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

Compound	Time (min)	Peak Area
Ethanol	1.360	78.952
n-Propanol	2.437	204.909

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223259-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 7:57:24 PM
Data file:	C:\Chem32\1\Data\07Dec22\28.D	Analyst:	Abbott

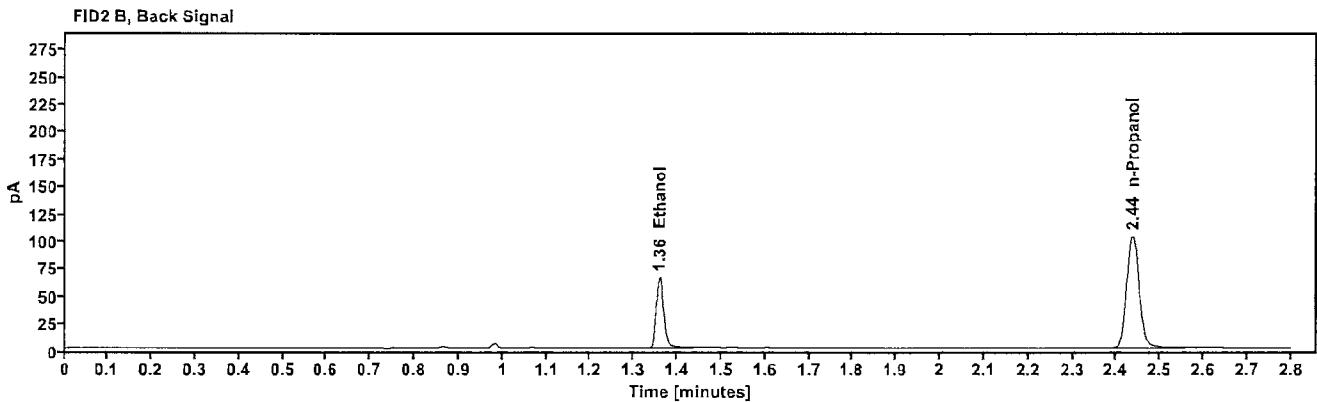
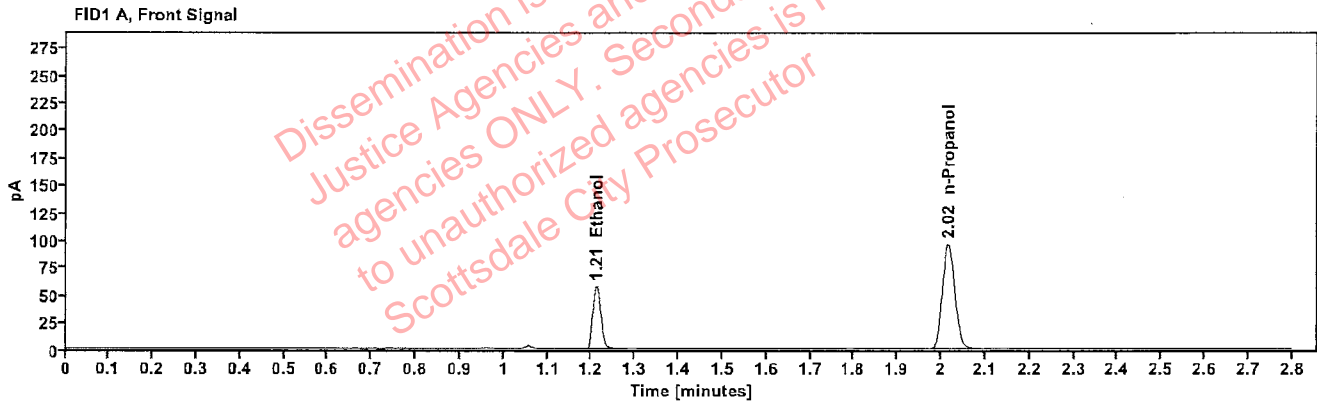


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1042	1.211	73.296
n-Propanol	-----	2.016	191.001

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

Compound	Time (min)	Peak Area
Ethanol	1.360	79.302
n-Propanol	2.437	205.932

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223333-1	Vial:	29
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:01:24 PM
Data file:	C:\Chem32\1\Data\07Dec22\29.D	Analyst:	Abbott

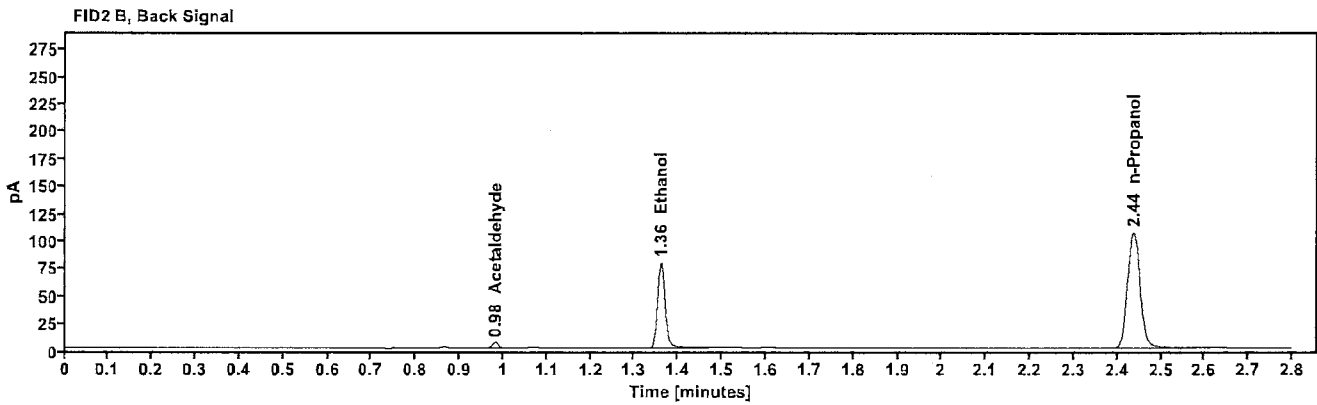
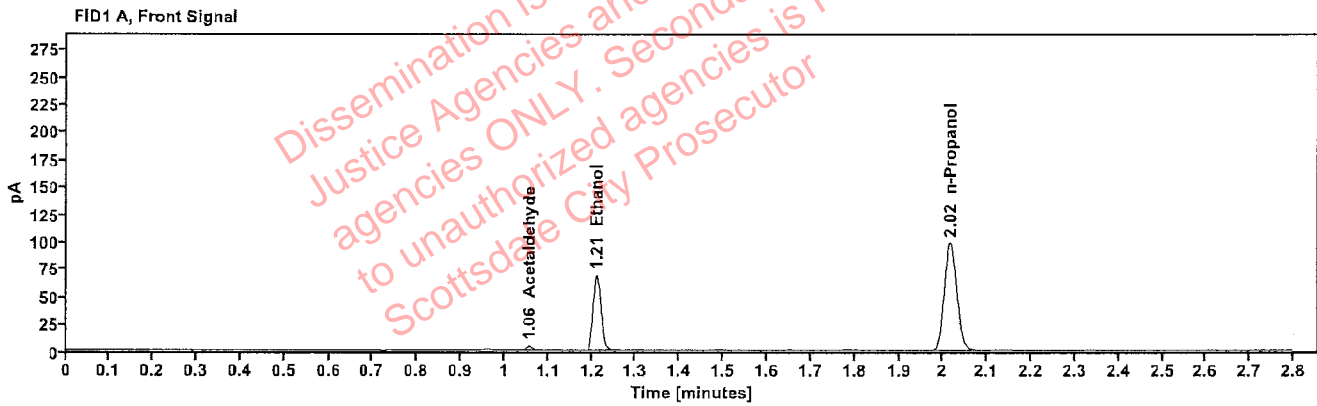


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.135
>Ethanol	0.1221	1.211	87.975
n-Propanol	-----	2.017	195.736

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.606
Ethanol	1.360	96.107
n-Propanol	2.437	210.991

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2223333-1	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:05:24 PM
Data file:	C:\Chem32\1\Data\07Dec22\30.D	Analyst:	Abbott

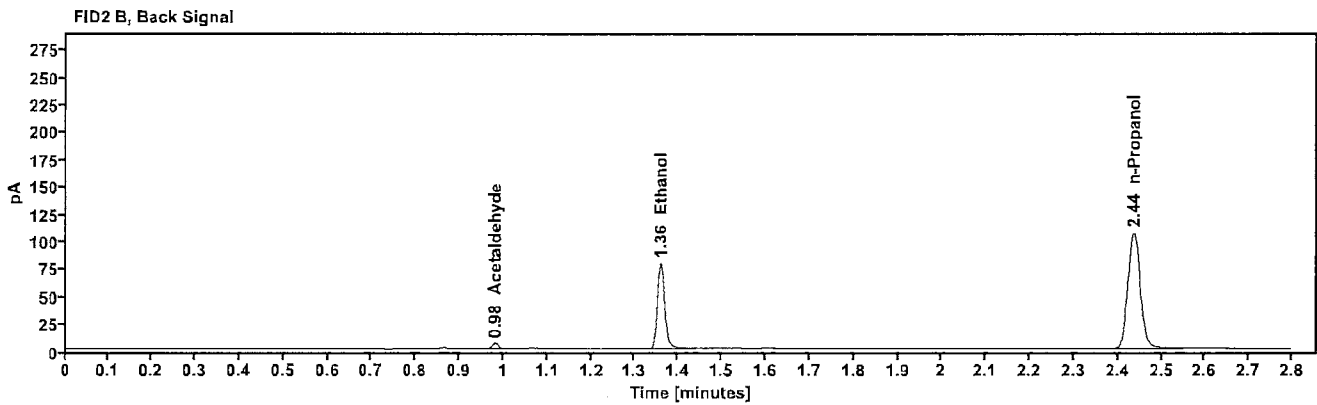
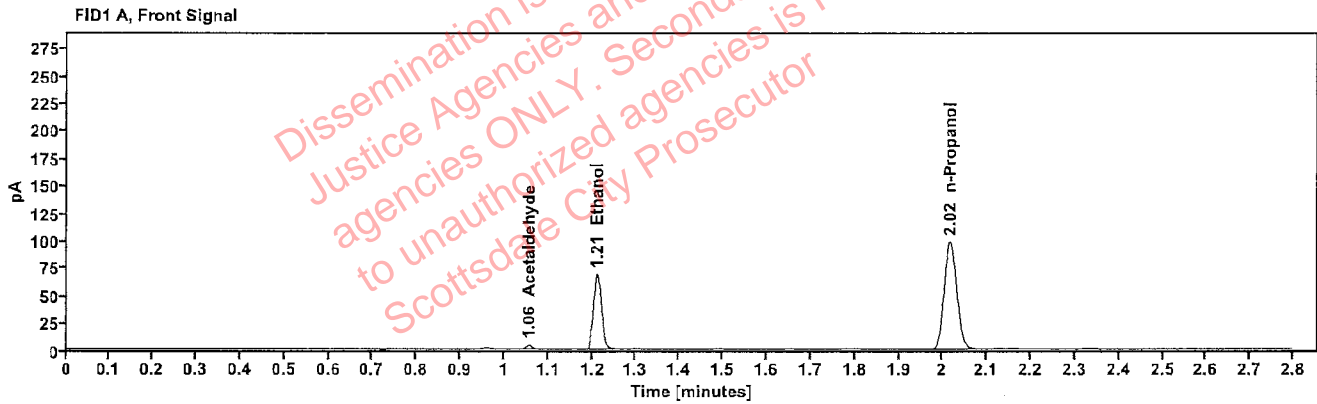


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.130
>Ethanol	0.1220	1.211	88.000
n-Propanol	-----	2.016	195.864

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.657
Ethanol	1.359	95.106
n-Propanol	2.437	211.170

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01D.H.	Vial:	32
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:13:39 PM
Data file:	C:\Chem32\1\Data\07Dec22\32.D	Analyst:	Abbott

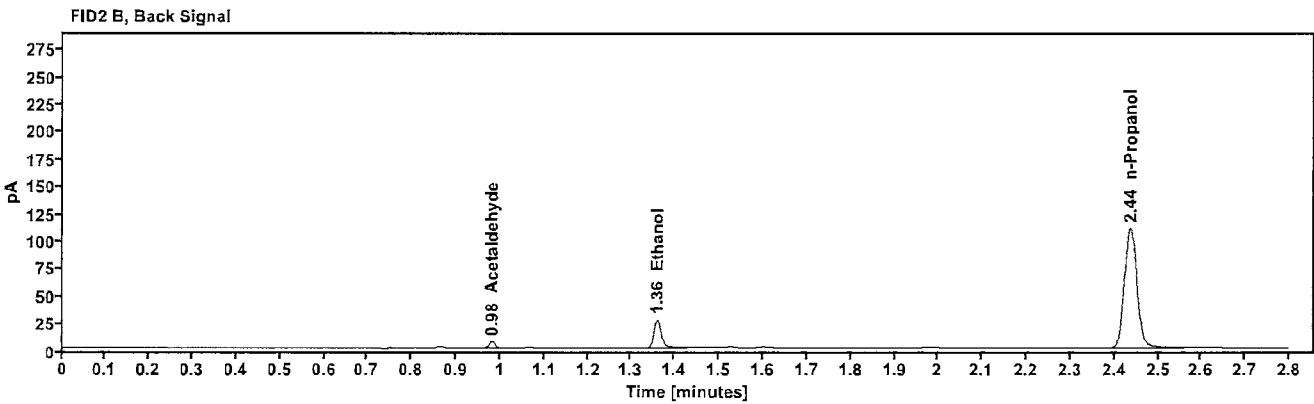
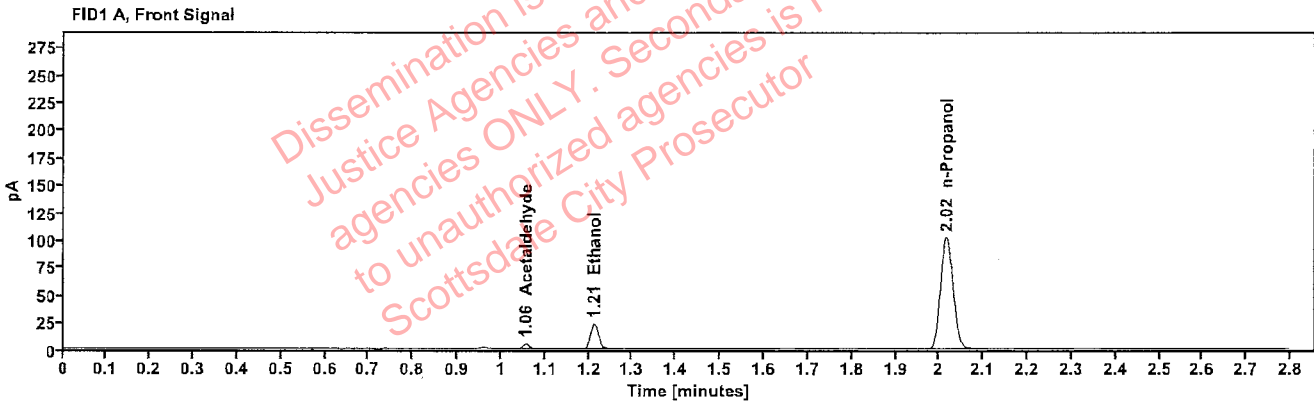


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.789
>Ethanol	0.0395	1.212	29.574
n-Propanol	-----	2.016	202.960

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	5.369
Ethanol	1.360	32.416
n-Propanol	2.437	219.901

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01D.H.	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:17:39 PM
Data file:	C:\Chem32\1\Data\07Dec22\33.D	Analyst:	Abbott

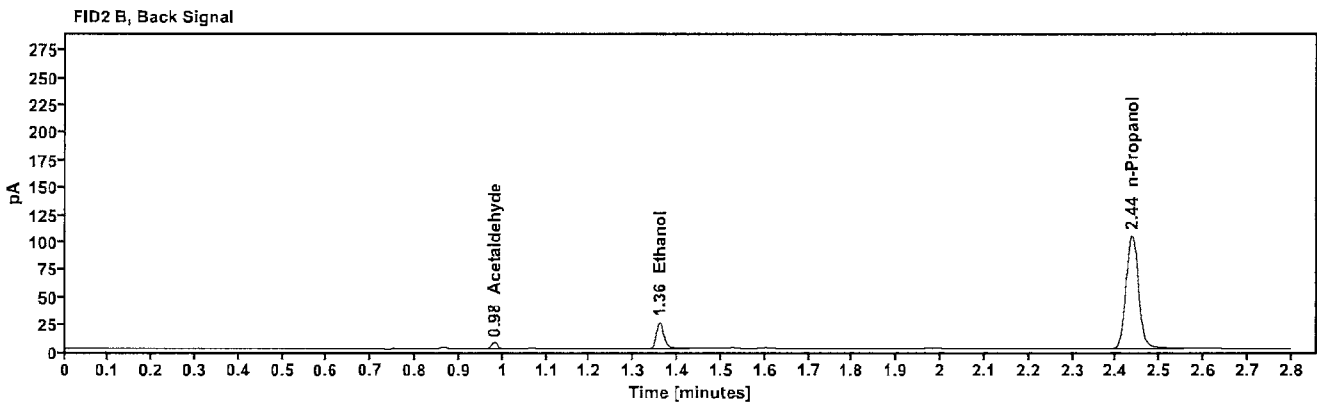
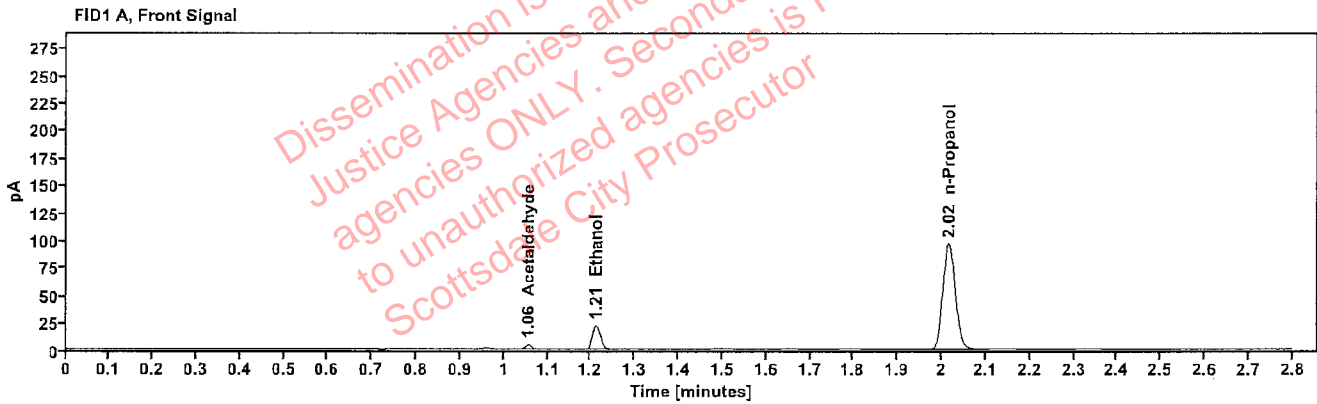


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.619
>Ethanol	0.0392	1.212	27.759
n-Propanol	-----	2.016	191.796

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	5.200
Ethanol	1.359	30.482
n-Propanol	2.436	207.679

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01M.F.	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:21:39 PM
Data file:	C:\Chem32\1\Data\07Dec22\34.D	Analyst:	Abbott

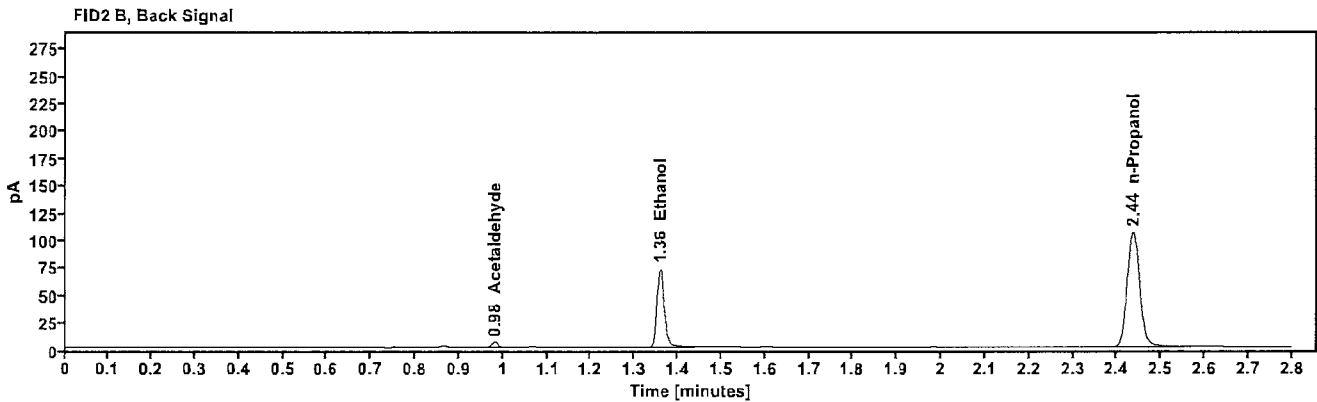
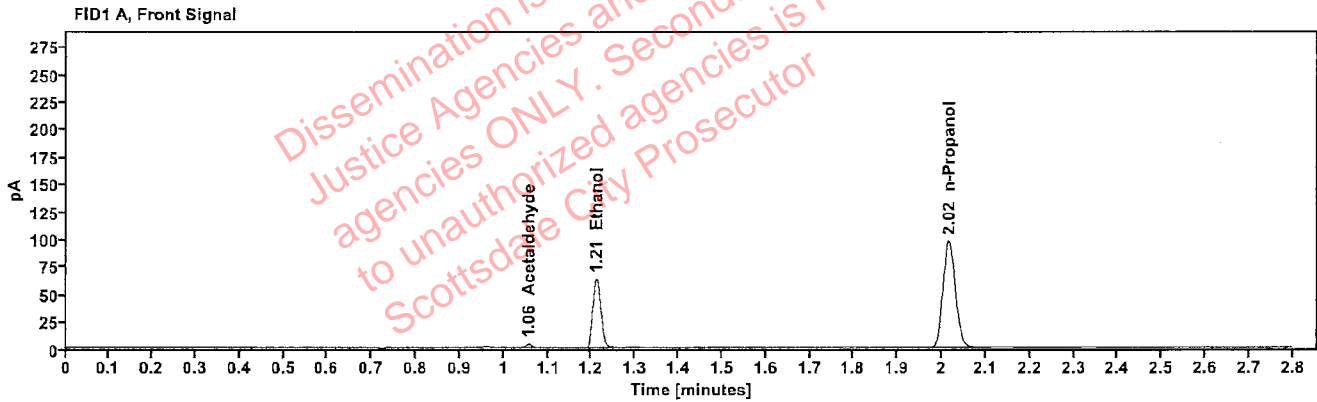


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.818
>Ethanol	0.1127	1.211	80.572
n-Propanol	-----	2.016	194.202

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.285
Ethanol	1.359	87.057
n-Propanol	2.436	209.482

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01M.F.	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:25:39 PM
Data file:	C:\Chem32\1\Data\07Dec22\35.D	Analyst:	Abbott

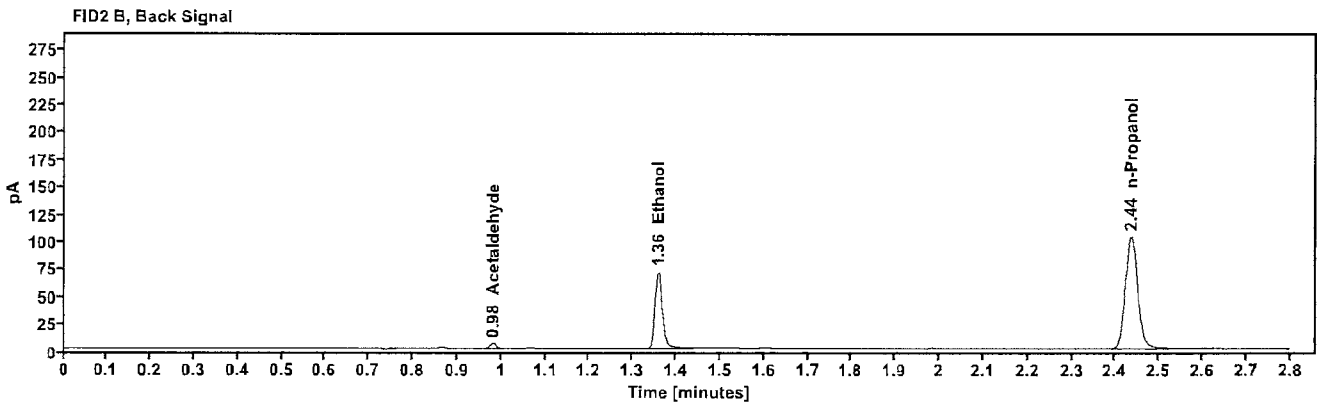
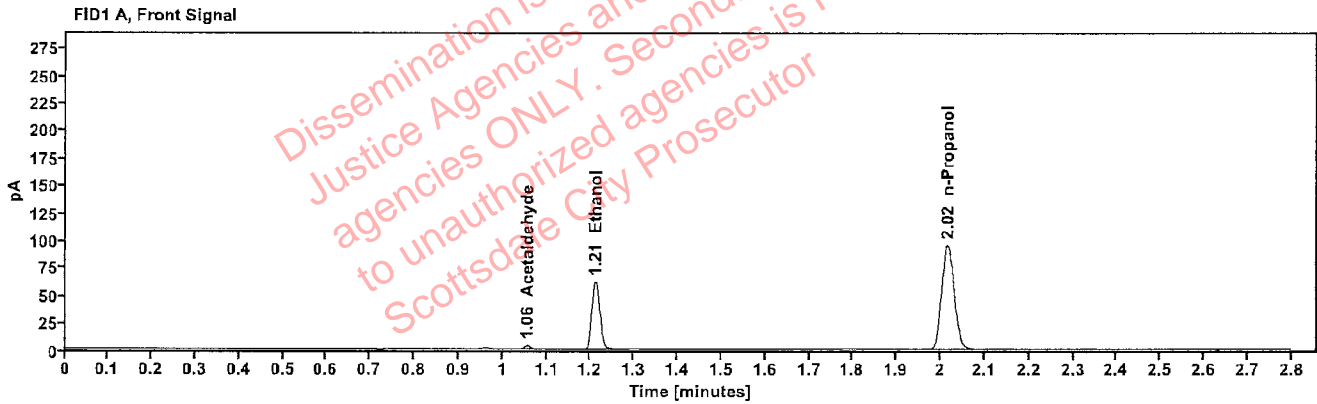


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.811
>Ethanol	0.1126	1.211	78.815
n-Propanol	-----	2.016	190.018

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.259
Ethanol	1.359	85.351
n-Propanol	2.436	205.065

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01K.D.	Vial:	36
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:29:40 PM
Data file:	C:\Chem32\1\Data\07Dec22\36.D	Analyst:	Abbott

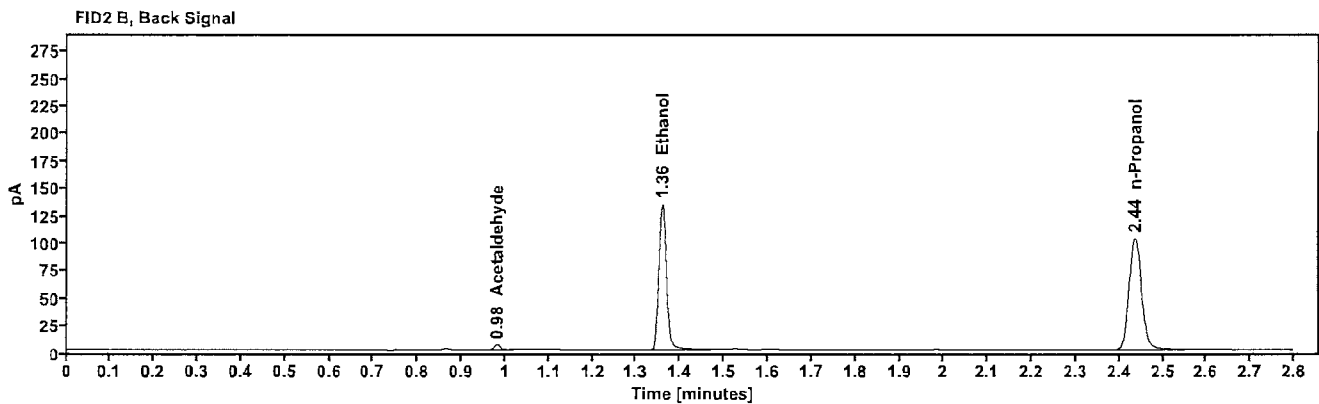
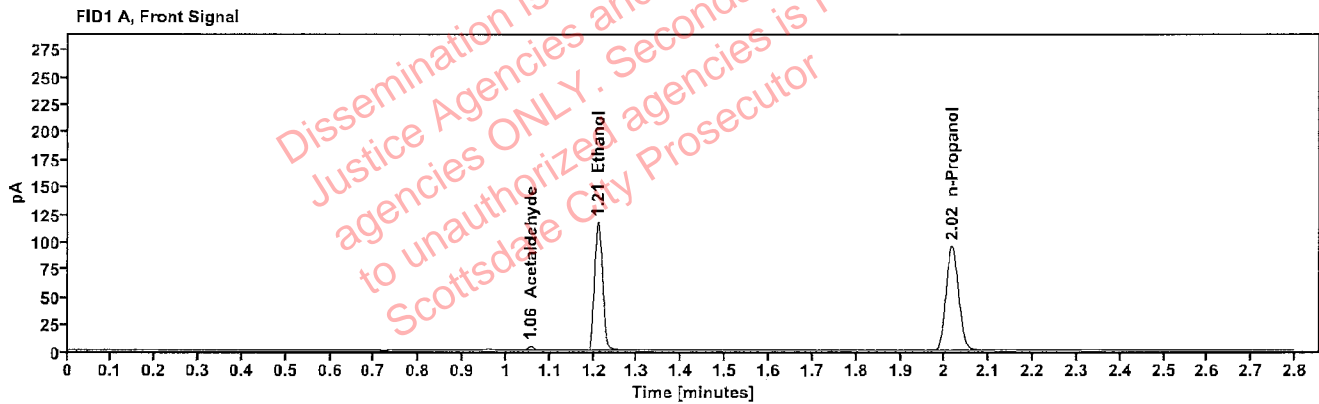


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.828
>Ethanol	0.2140	1.210	149.178
n-Propanol	-----	2.016	189.444

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.306
Ethanol	1.359	163.038
n-Propanol	2.436	204.349

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	327-01K.D.	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:33:54 PM
Data file:	C:\Chem32\1\Data\07Dec22\37.D	Analyst:	Abbott

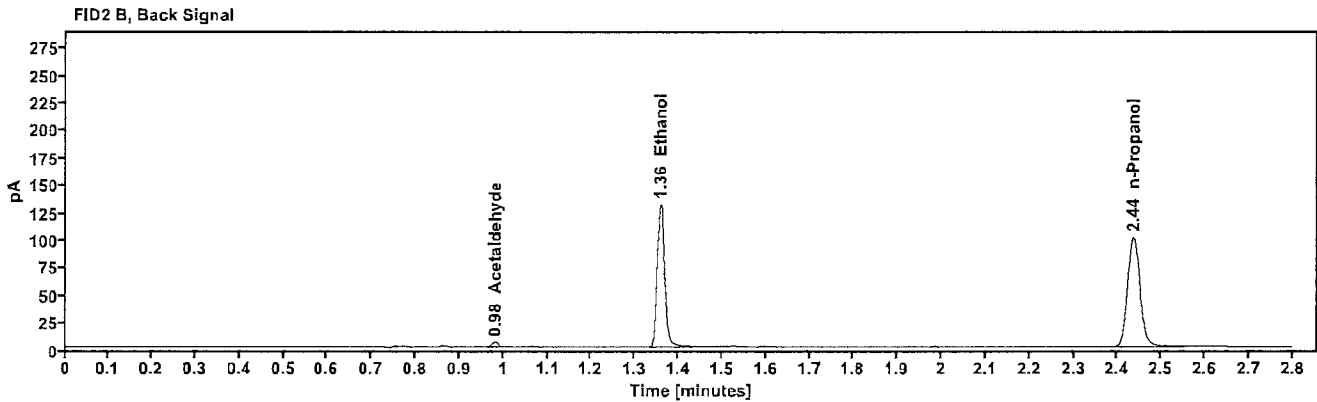
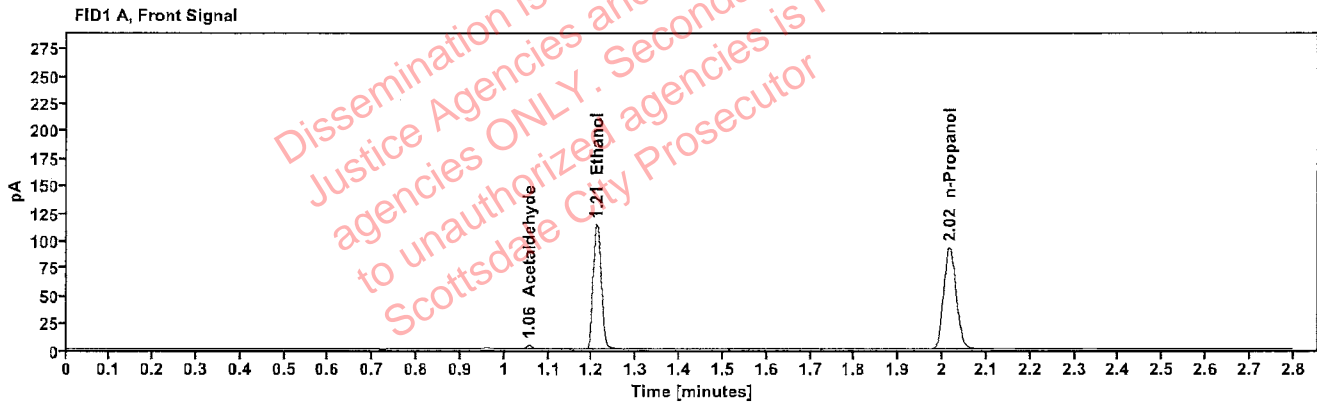


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	3.770
>Ethanol	0.2134	1.210	145.792
n-Propanol	-----	2.016	185.652

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.212
Ethanol	1.358	159.091
n-Propanol	2.436	199.915

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	385-01D.S.	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:37:55 PM
Data file:	C:\Chem32\1\Data\07Dec22\38.D	Analyst:	Abbott

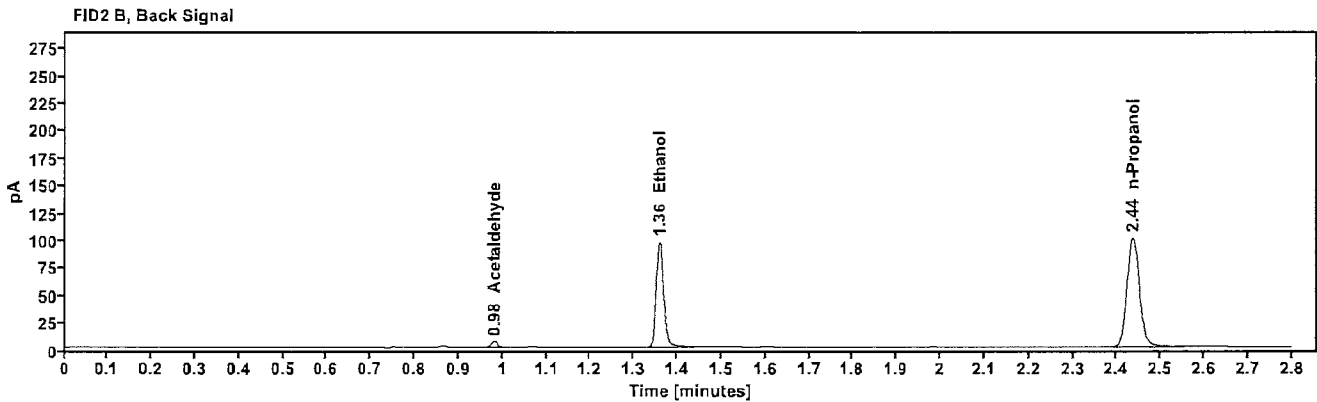
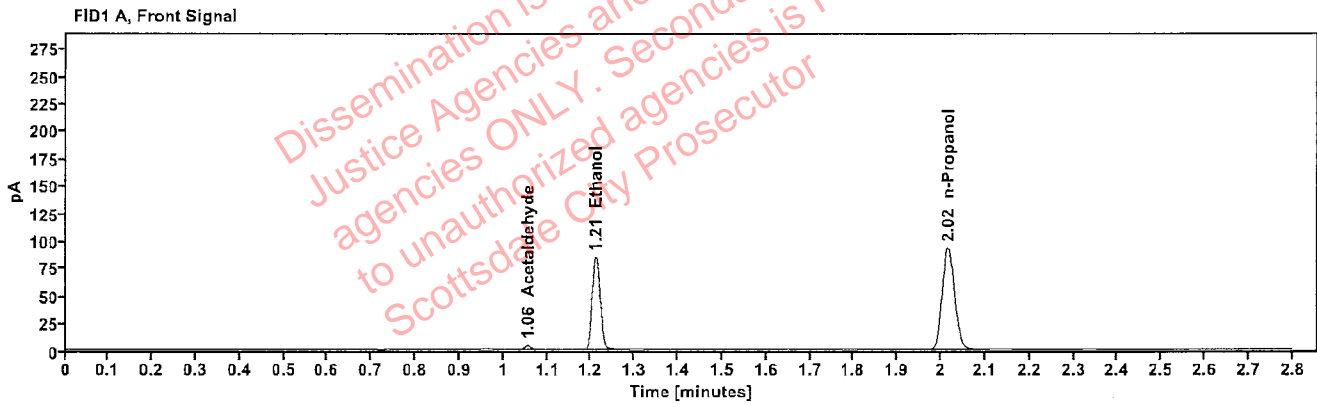


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.226
>Ethanol	0.1584	1.210	108.081
n-Propanol	-----	2.016	185.318

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.738
Ethanol	1.359	117.225
n-Propanol	2.436	200.075

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	385-01D.S.	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:41:55 PM
Data file:	C:\Chem32\1\Data\07Dec22\39.D	Analyst:	Abbott

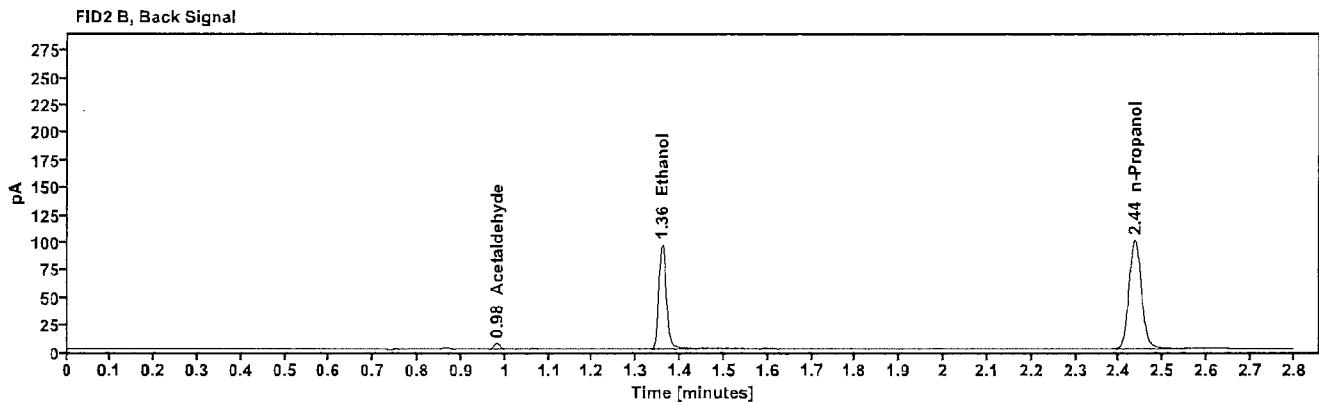
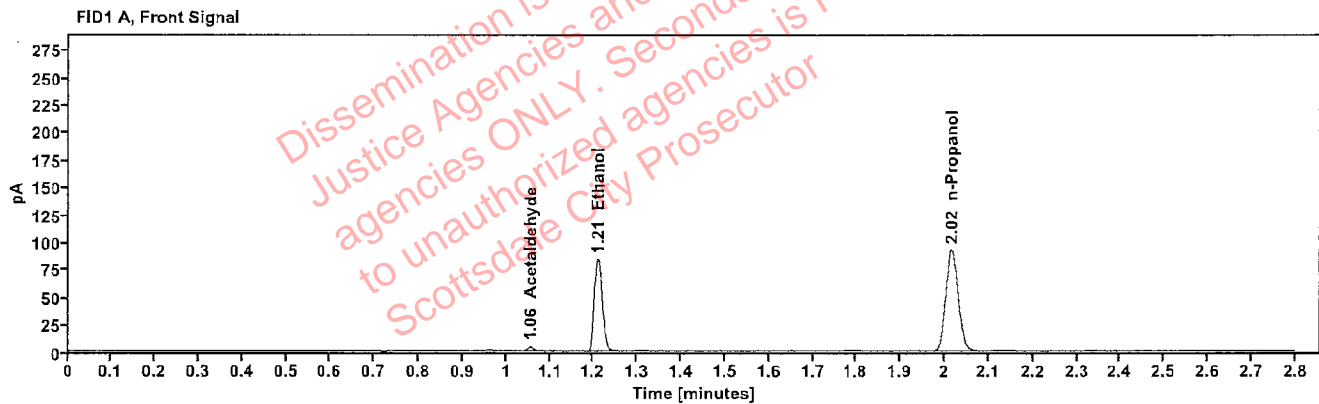


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.135
>Ethanol	0.1579	1.210	107.250
n-Propanol	-----	2.016	184.494

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.657
Ethanol	1.358	116.220
n-Propanol	2.436	199.117

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	417-01S.P.	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:45:55 PM
Data file:	C:\Chem32\1\Data\07Dec22\40.D	Analyst:	Abbott

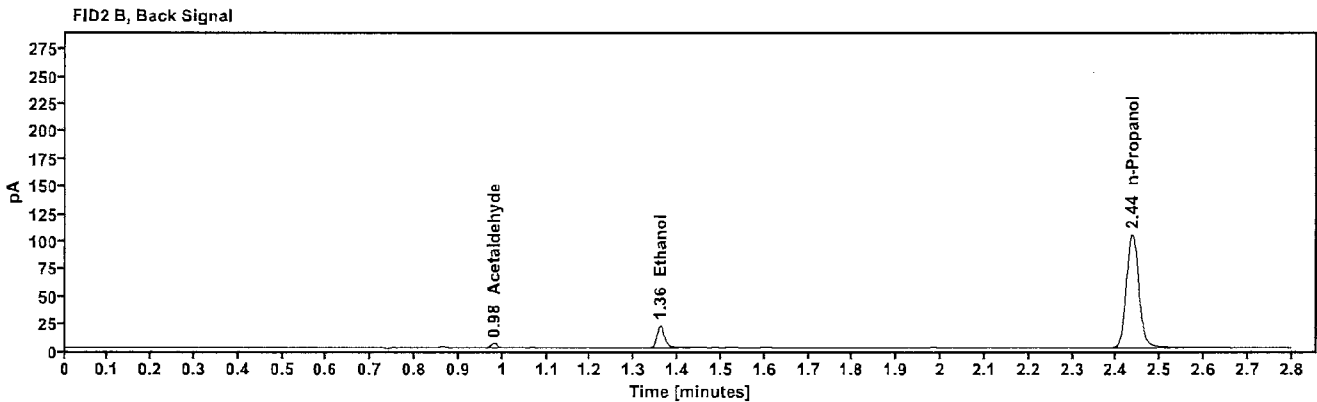
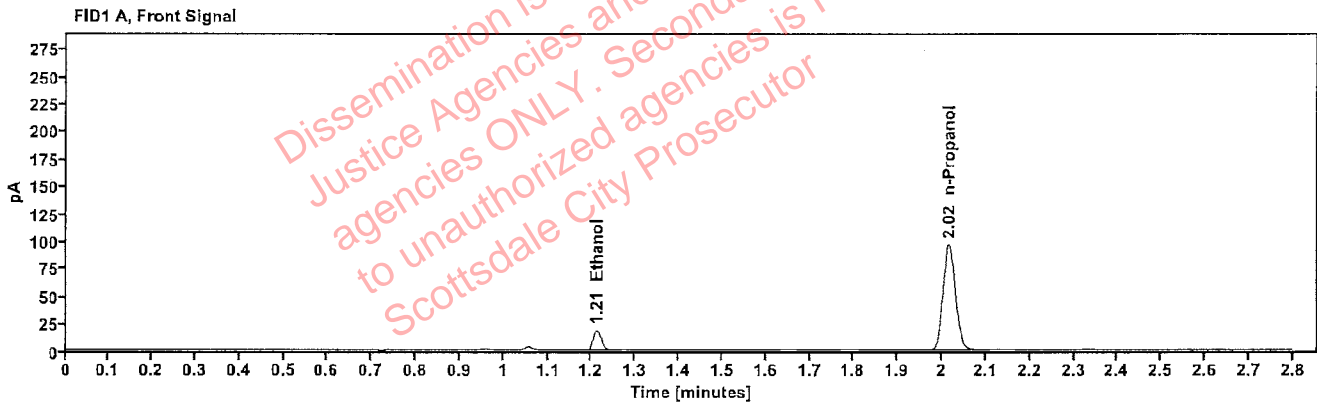


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0327	1.212	23.171
n-Propanol	-----	2.016	191.880

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	3.765
Ethanol	1.360	25.488
n-Propanol	2.436	207.110

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	417-01S.P.	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	07Dec22
Instrument:	US14173023 CN14160045	Injection date:	12/7/2022 8:49:55 PM
Data file:	C:\Chem32\1\Data\07Dec22\41.D	Analyst:	Abbott

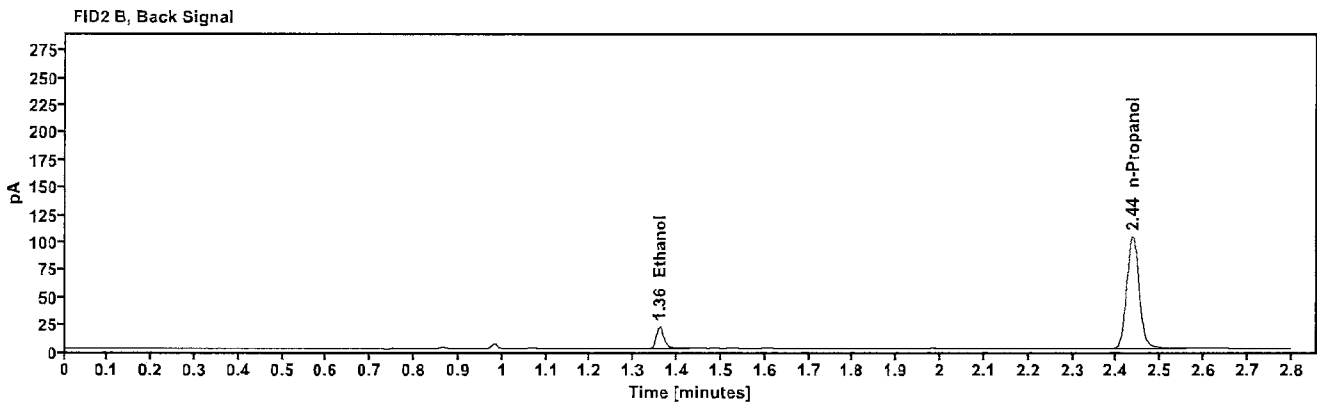
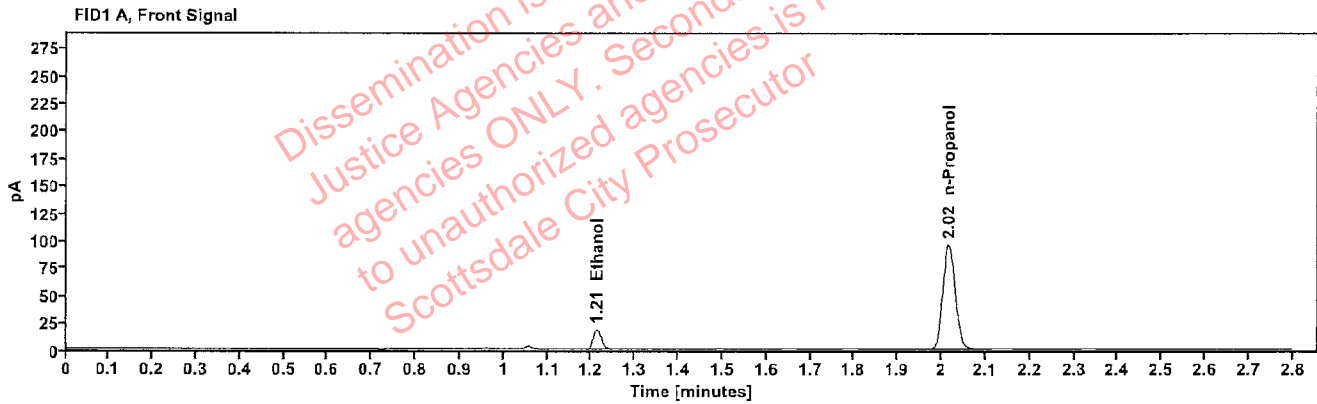


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0327	1.212	23.096
n-Propanol	-----	2.016	190.960

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

Compound	Time (min)	Peak Area
Ethanol	1.360	25.346
n-Propanol	2.436	206.291