

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 12/20/2023 SEQUENCE NAME 20Dec23

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03122113 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN11172002 0.99995
 Vial 3 0.20 calibrator Lot FN03132302
 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 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/11
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 20012020-B
42	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD lab 092223AQ

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

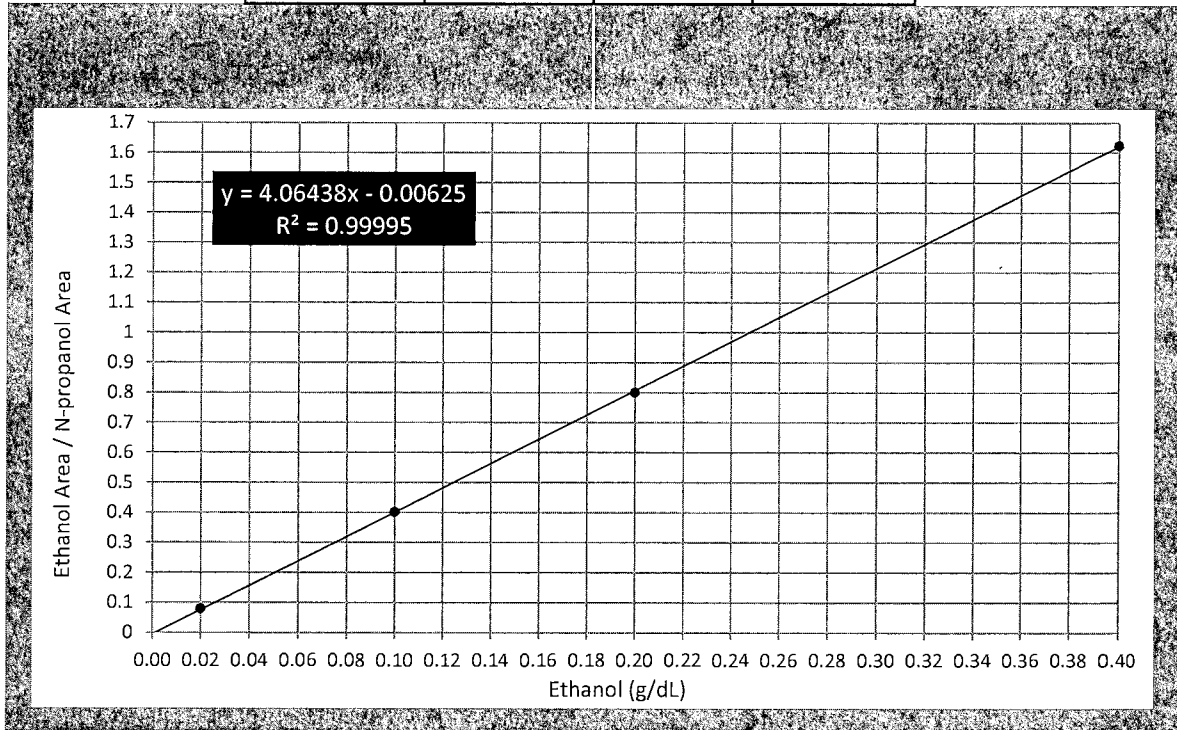
Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

SEQUENCE NAME: 20Dec23

ANALYST: Abbott

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823WB	5	negative	negative	-	-
0.400 30012020-A	7	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.199 ACQ 4110320133/11	9	0.201	0.199	1.01	0.002
0.080 20012020-B	20	0.081	0.080	1.25	0.001
0.080 20012020-B	31	0.081	0.080	1.25	0.001
0.400 30012020-A	42	0.400	0.400	0.00	0.000
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.199 ACQ 4110320133/11	44	0.201	0.199	1.01	0.002
blank 092223AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.565	147.289	0.079
0.100	59.644	148.942	0.400
0.200	120.313	150.466	0.800
0.400	241.184	148.625	1.623



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03122113	Vial: 1
Description: 0.020 calibrator	Sequence: 20Dec23
Method: ethanol quant.M	Injection date: 12/20/2023 11:18:34 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>[Signature]</i>
Data file: C:\Chem32\1\Data\20Dec23\1.D	

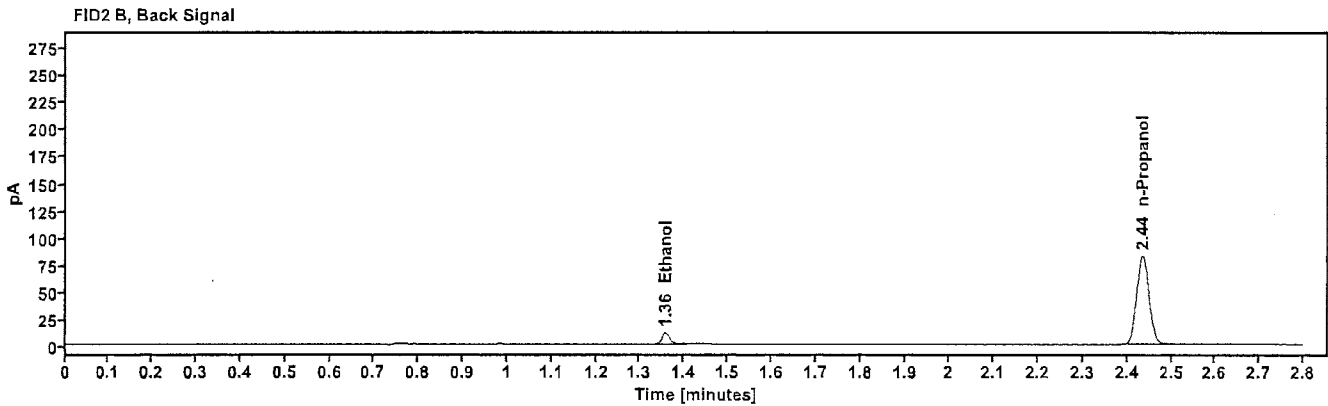
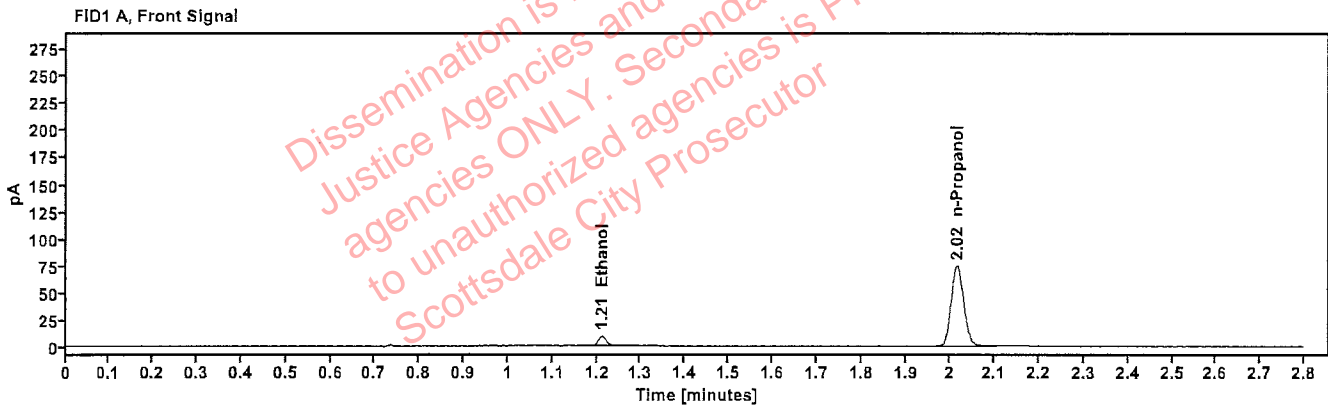


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.565
n-Propanol	2.015	147.289

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

Compound	Time (min)	Peak Area
Ethanol	1.358	12.650
n-Propanol	2.435	161.505

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN11172002	Vial: 2
Description: 0.100 calibrator	Sequence: 20Dec23
Method: ethanol quant.M	Injection date: 12/20/2023 11:22:34 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\20Dec23\2.D	

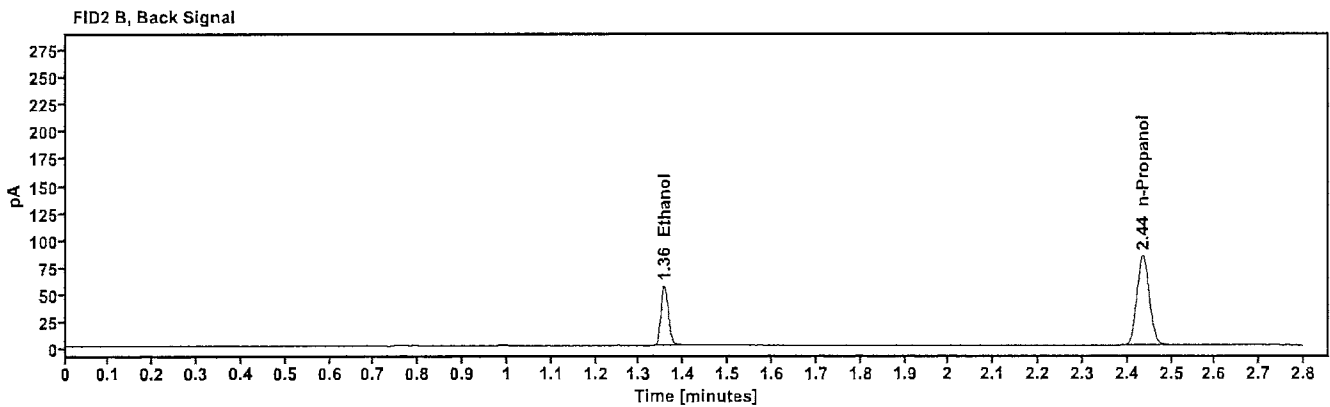
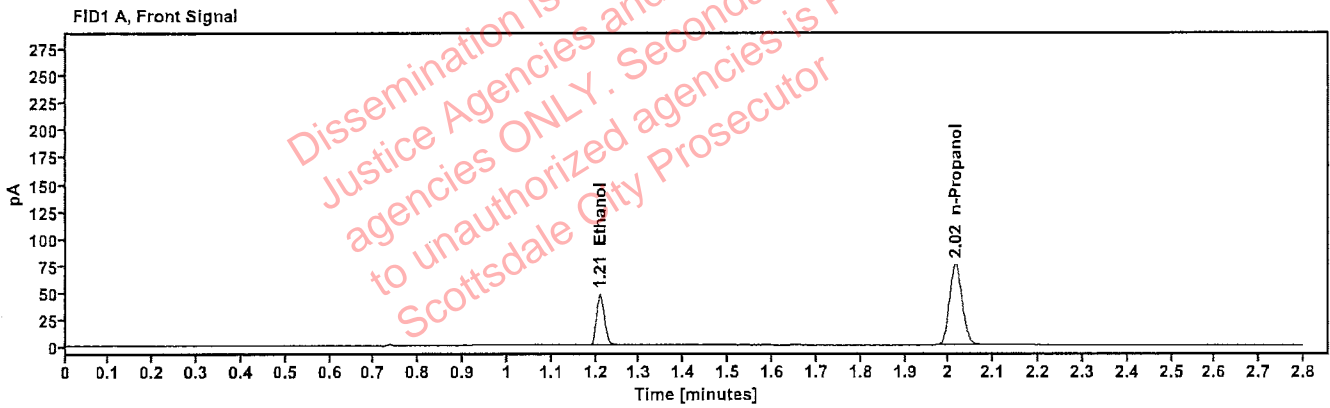


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	59.644
n-Propanol	2.015	148.942

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

Compound	Time (min)	Peak Area
Ethanol	1.356	65.577
n-Propanol	2.435	163.156

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03132302	Vial: 3
Description: 0.200 calibrator	Sequence: 20Dec23
Method: ethanol quant.M	Injection date: 12/20/2023 11:26:33 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\20Dec23\3.D	

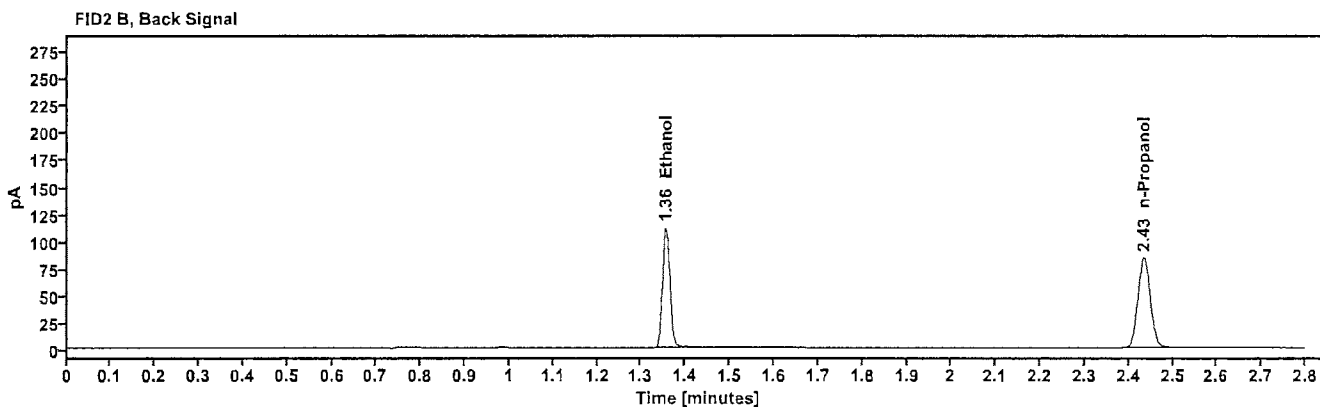
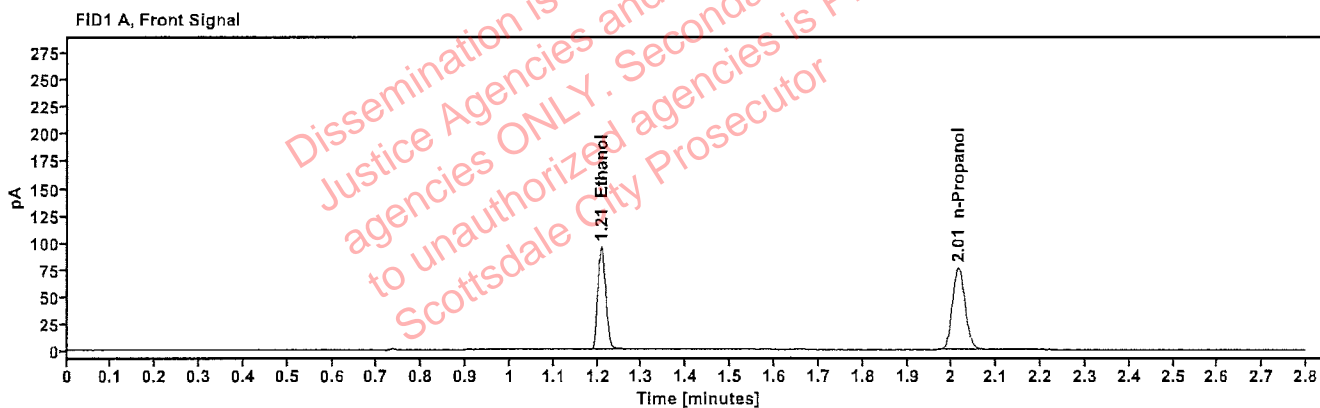


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	120.313
n-Propanol	2.015	150.466

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

Compound	Time (min)	Peak Area
Ethanol	1.355	132.191
n-Propanol	2.435	164.757

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	Vial:	4
Description:	0.400 calibrator	Sequence:	20Dec23
Method:	ethanol quant.M	Injection date:	12/20/2023 11:30:34 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\20Dec23\4.D		

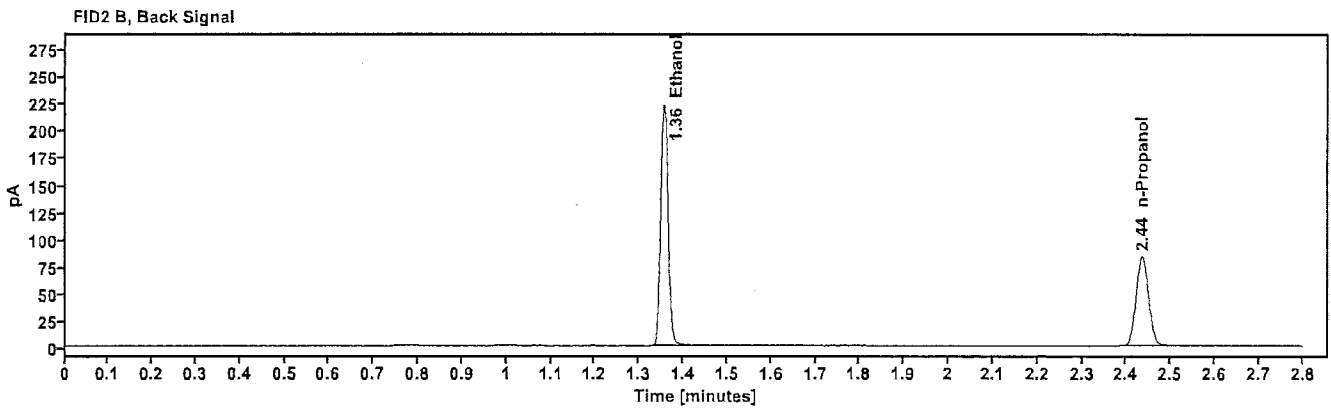
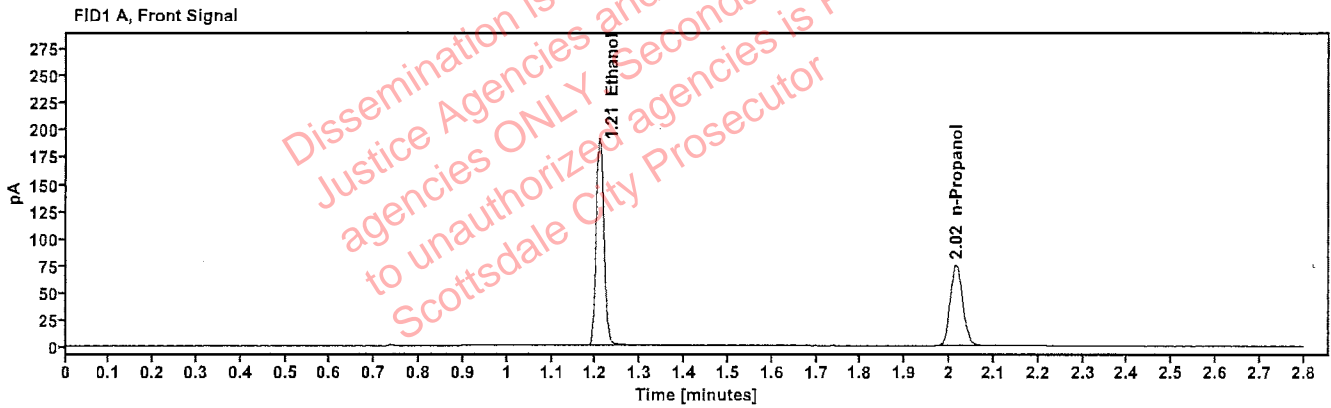


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	241.184
n-Propanol	2.015	148.625

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

Compound	Time (min)	Peak Area
Ethanol	1.356	266.198
n-Propanol	2.435	162.658

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 11:34:34 AM
Data file: C:\Chem32\1\Data\20Dec23\5.D	Analyst: Abbott

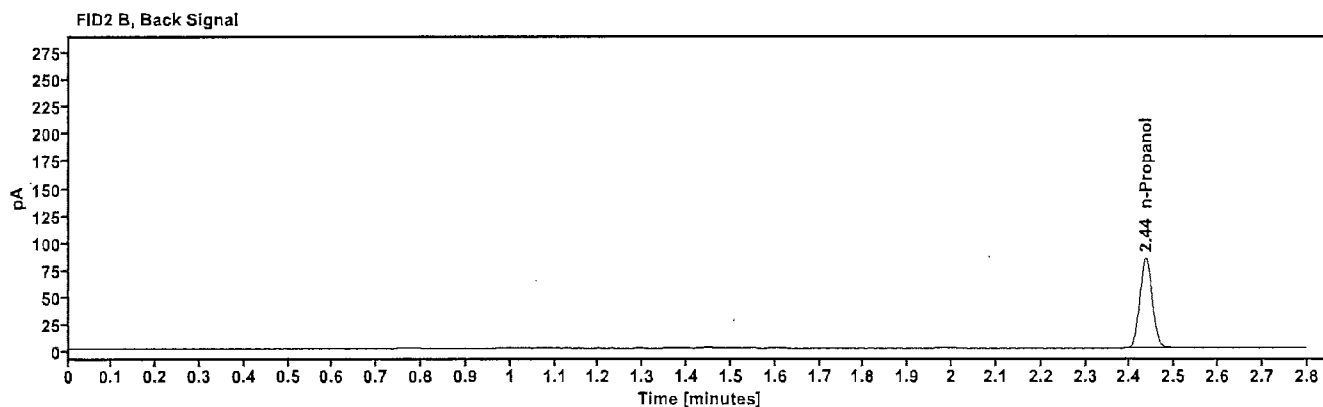
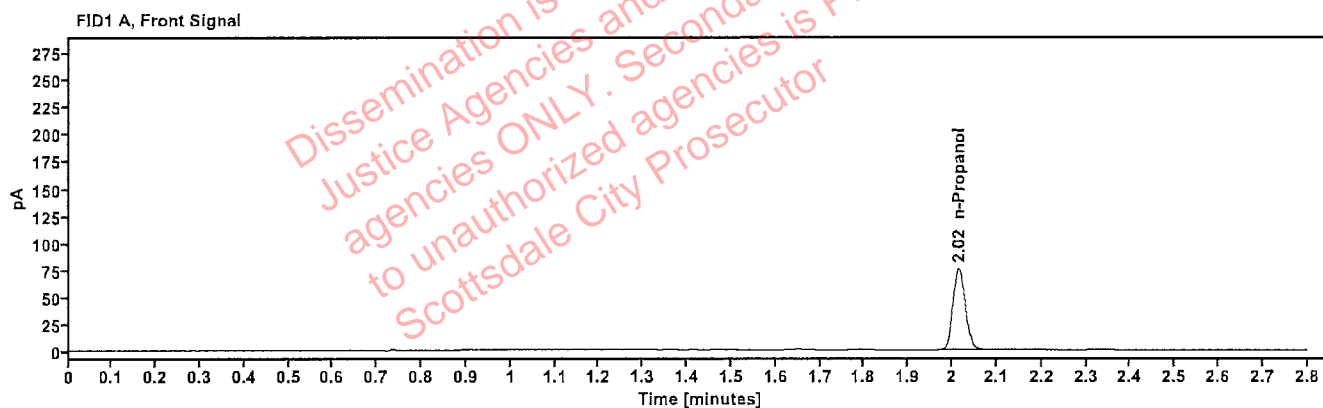


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	149.590

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

Compound	Time (min)	Peak Area
n-Propanol	2.435	163.952

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 11:38:33 AM
Data file: C:\Chem32\1\Data\20Dec23\6.D	Analyst: Abbott JA

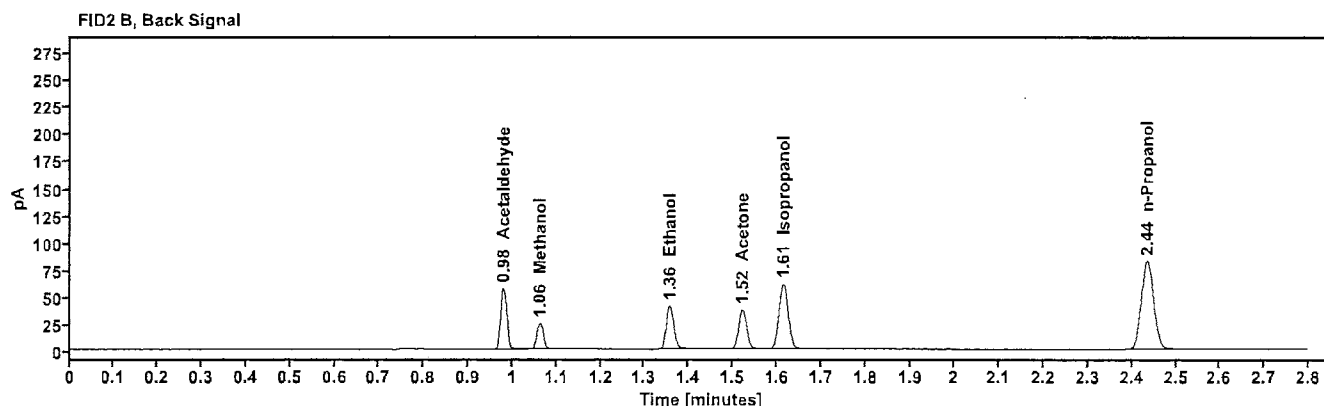
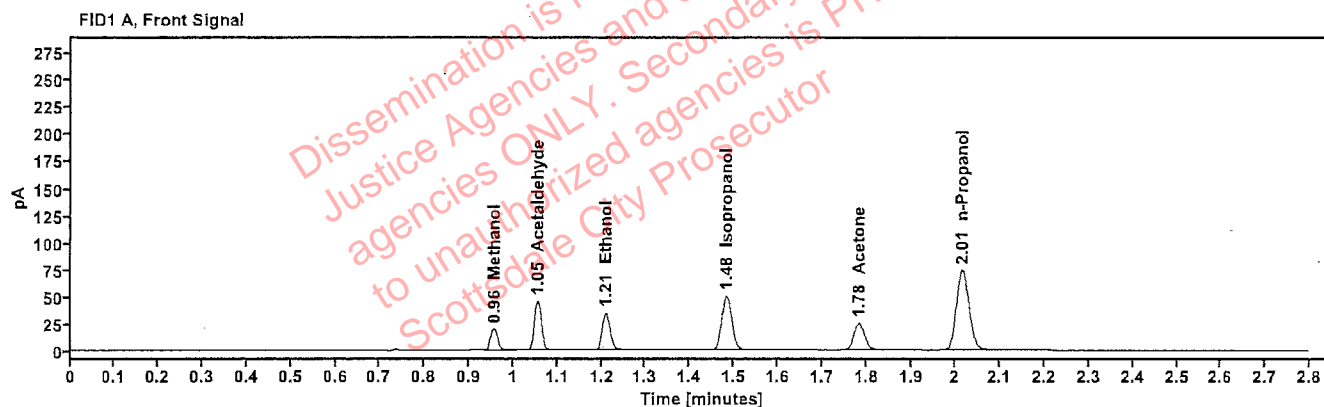


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	22.439
Acetaldehyde	-----	1.054	50.155
>Ethanol	0.0746	1.210	43.798
Isopropanol	-----	1.483	80.268
Acetone	-----	1.783	43.078
n-Propanol	-----	2.015	147.420

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	55.924
Methanol	1.061	24.878
Ethanol	1.356	48.073
Acetone	1.521	47.292
Isopropanol	1.615	88.812
n-Propanol	2.435	161.360

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 11:42:49 AM
Data file: C:\Chem32\1\Data\20Dec23\7.D	Analyst: Abbott <i>Abbott</i>

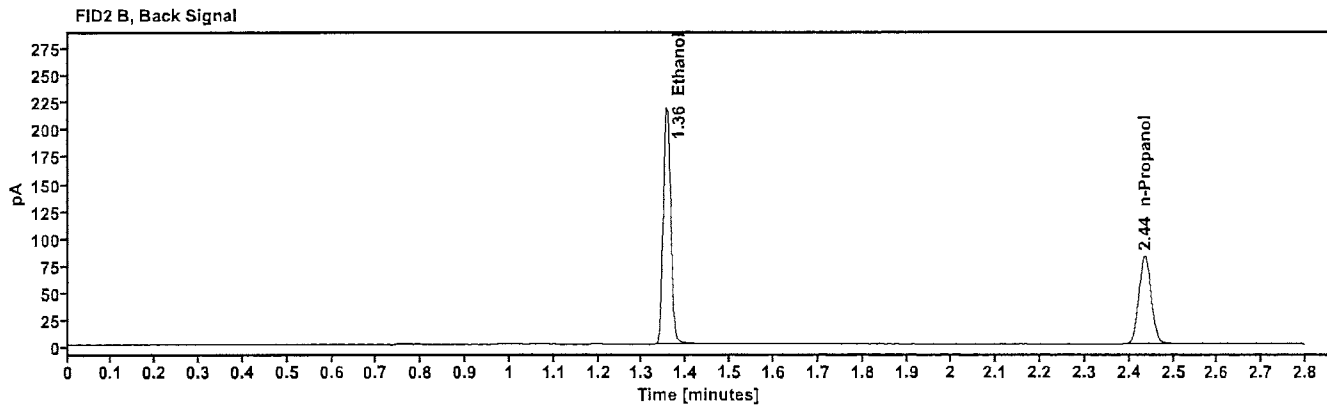
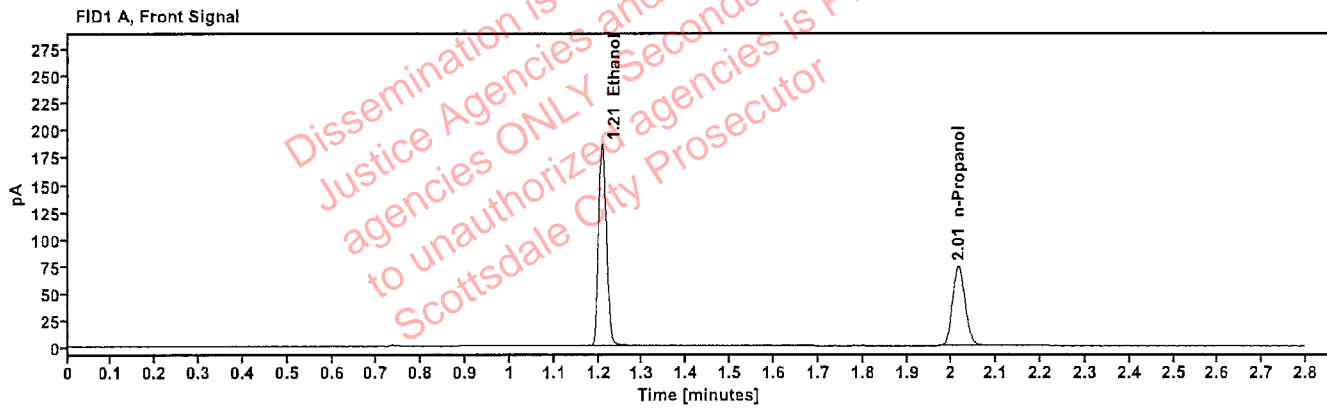


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3986	1.208	235.826
n-Propanol	-----	2.015	146.114

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

Compound	Time (min)	Peak Area
Ethanol	1.355	260.329
n-Propanol	2.435	159.930

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 11:46:49 AM
Data file:	C:\Chem32\1\Data\20Dec23\8.D	Analyst:	Abbott <i>PA</i>

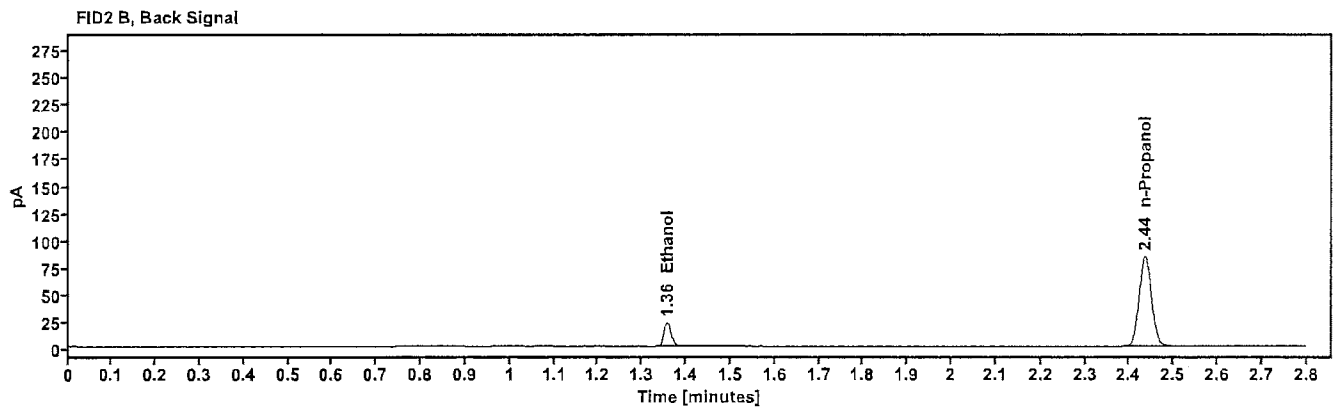
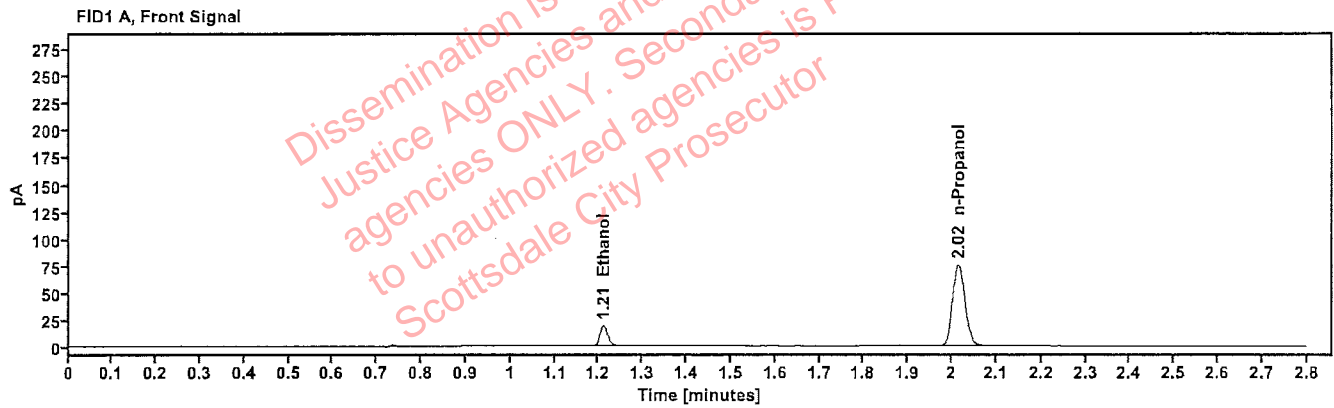


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0413	1.211	24.170
n-Propanol	-----	2.015	149.507

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.481
n-Propanol	2.435	163.745

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 11:50:49 AM
Data file: C:\Chem32\1\Data\20Dec23\9.D	Analyst: Abbott <i>JA</i>

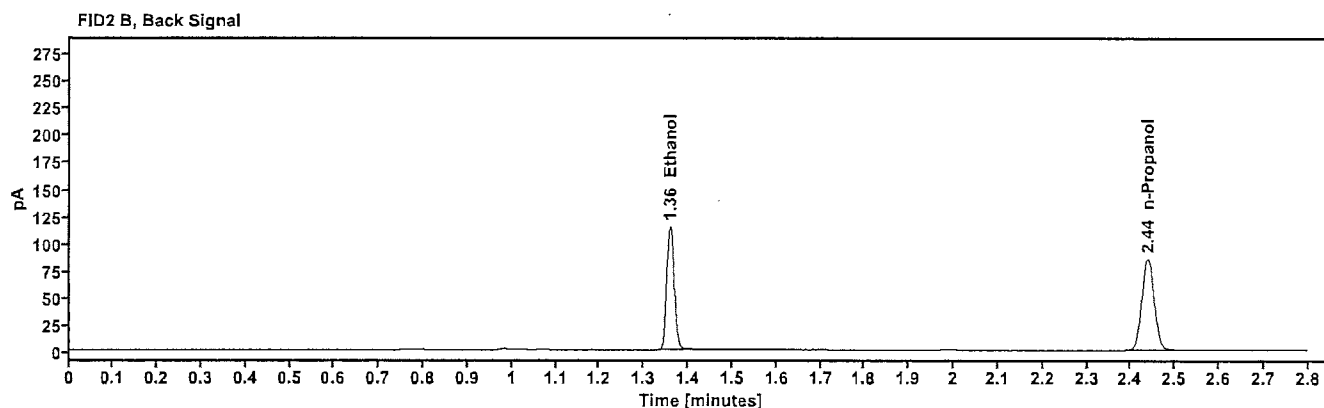
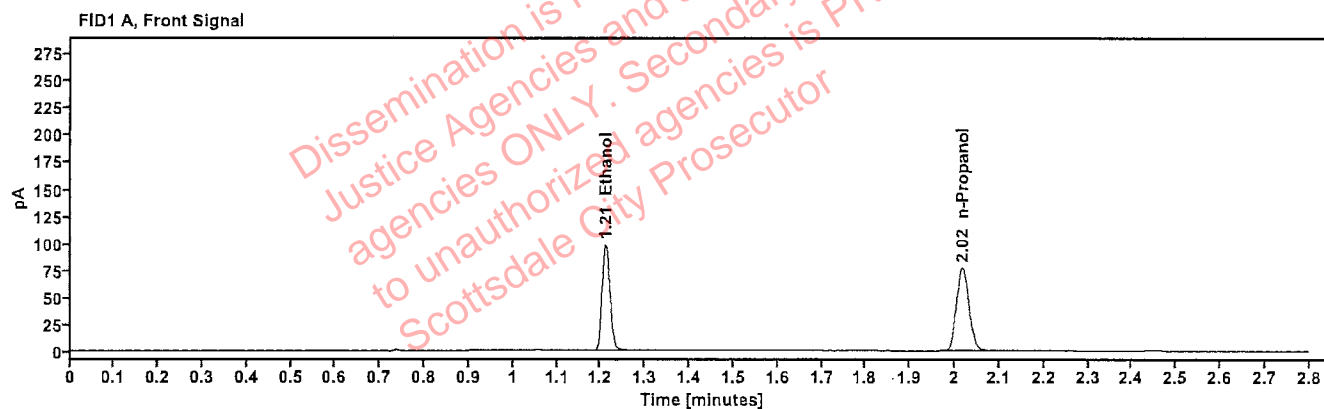


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2012	1.211	124.037
n-Propanol	---	2.017	152.866

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

Compound	Time (min)	Peak Area
Ethanol	1.359	136.244
n-Propanol	2.438	167.459

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 12:35:19 PM
Data file: C:\Chem32\1\Data\20Dec23\20.D	Analyst: Abbott

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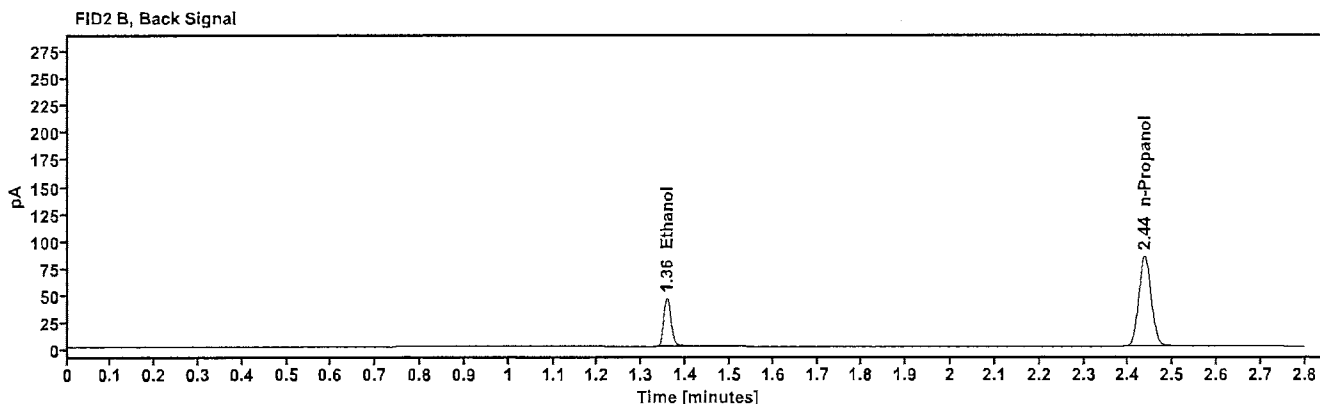
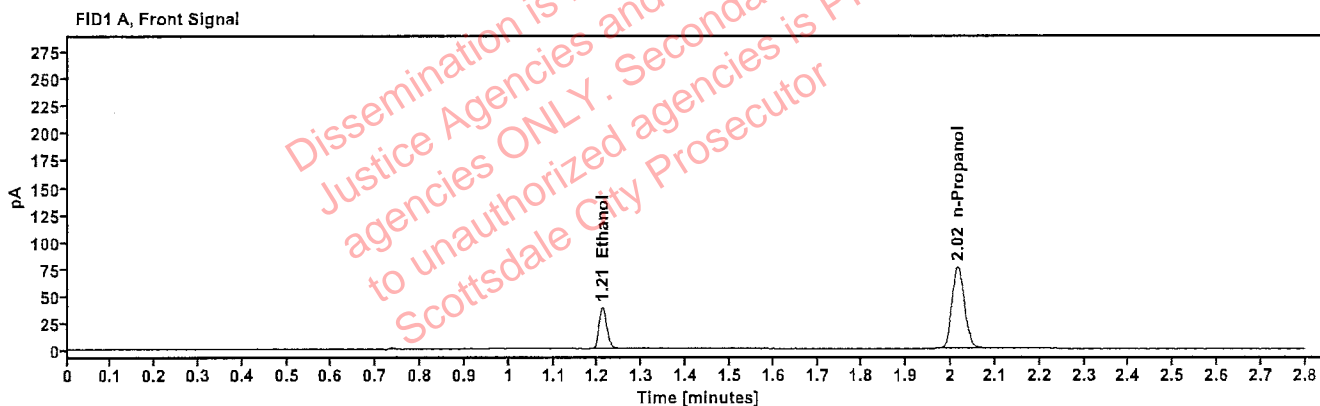


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0810	1.210	48.730
n-Propanol	-----	2.016	150.869

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

Compound	Time (min)	Peak Area
Ethanol	1.357	53.365
n-Propanol	2.436	165.053

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 1:19:49 PM
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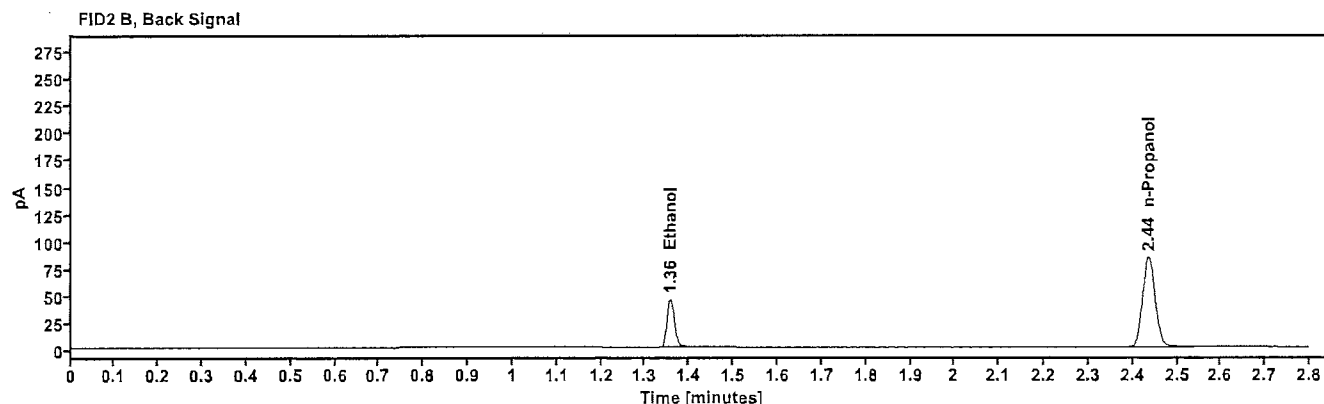
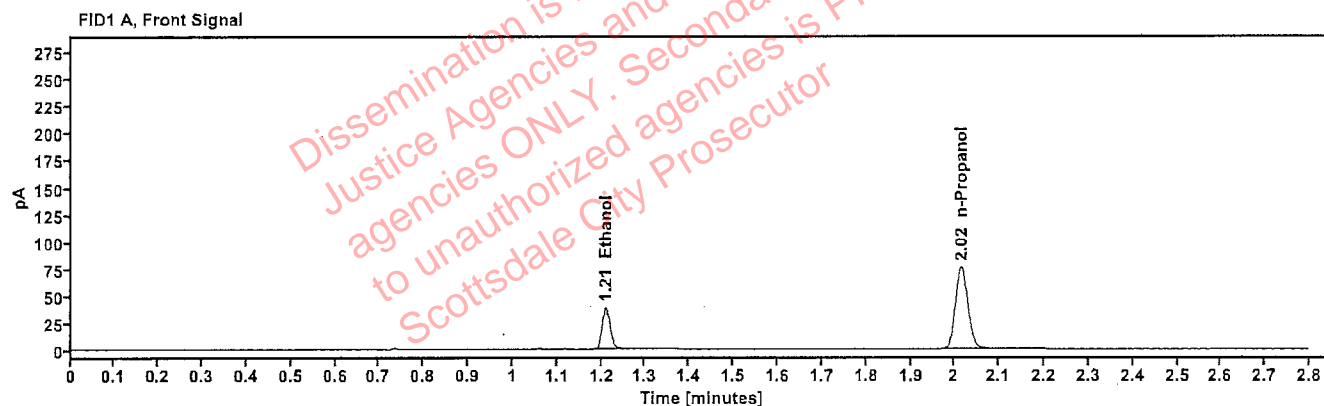


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0814	1.210	48.941
n-Propanol	-----	2.015	150.833

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

Compound	Time (min)	Peak Area
Ethanol	1.357	53.533
n-Propanol	2.436	164.978

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 2:04:04 PM
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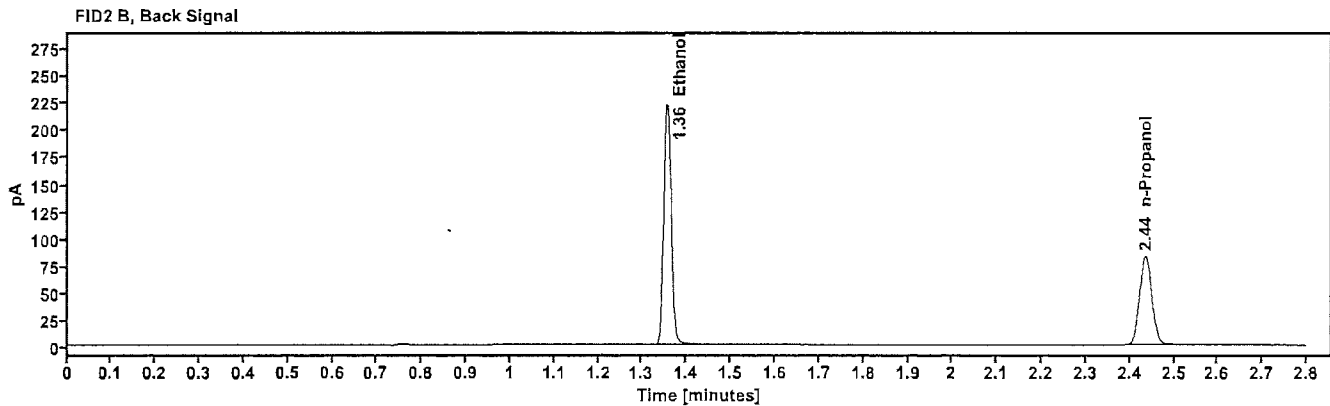
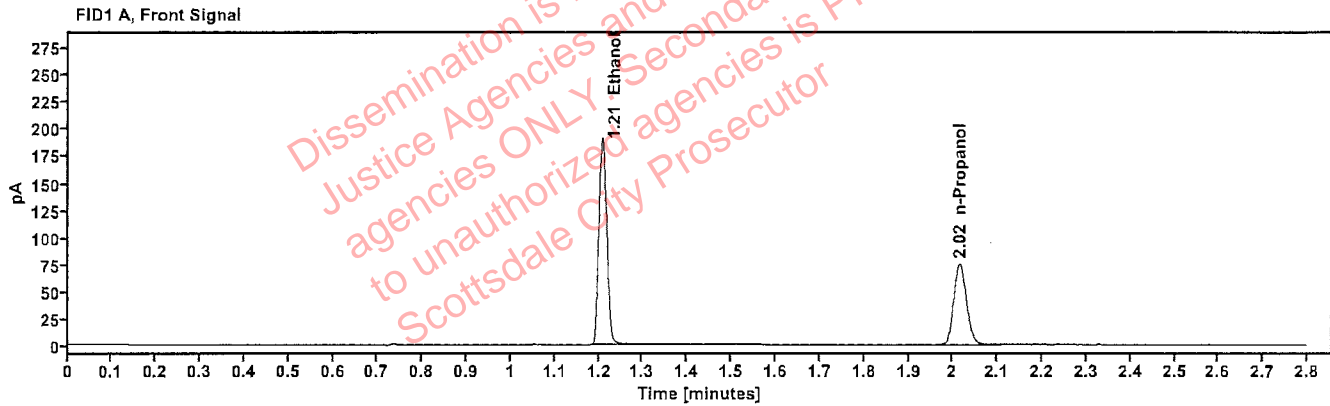


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4006	1.208	241.055
n-Propanol	---	2.015	148.620

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

Compound	Time (min)	Peak Area
Ethanol	1.356	266.221
n-Propanol	2.436	162.666

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 2:08:19 PM
Data file: C:\Chem32\1\Data\20Dec23\43.D	Analyst: Abbott

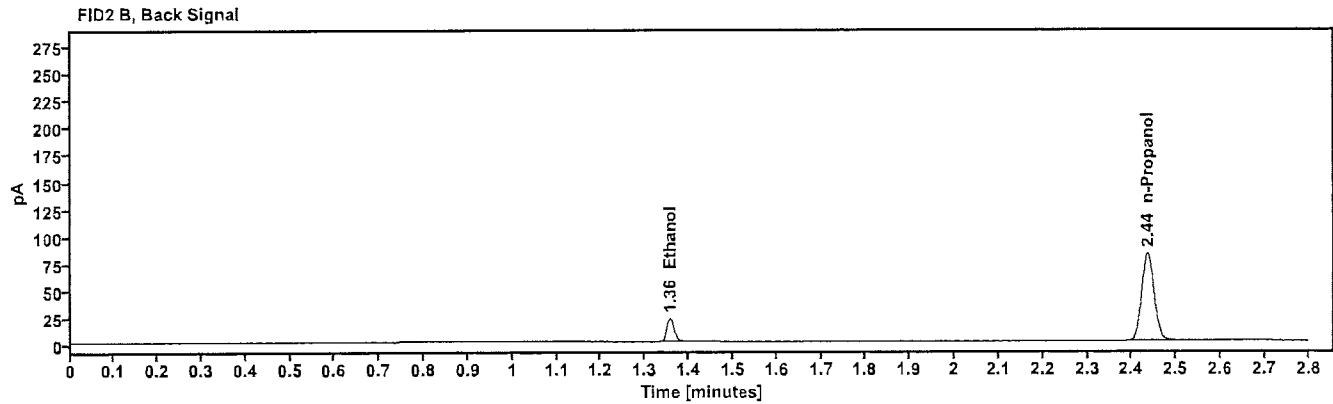
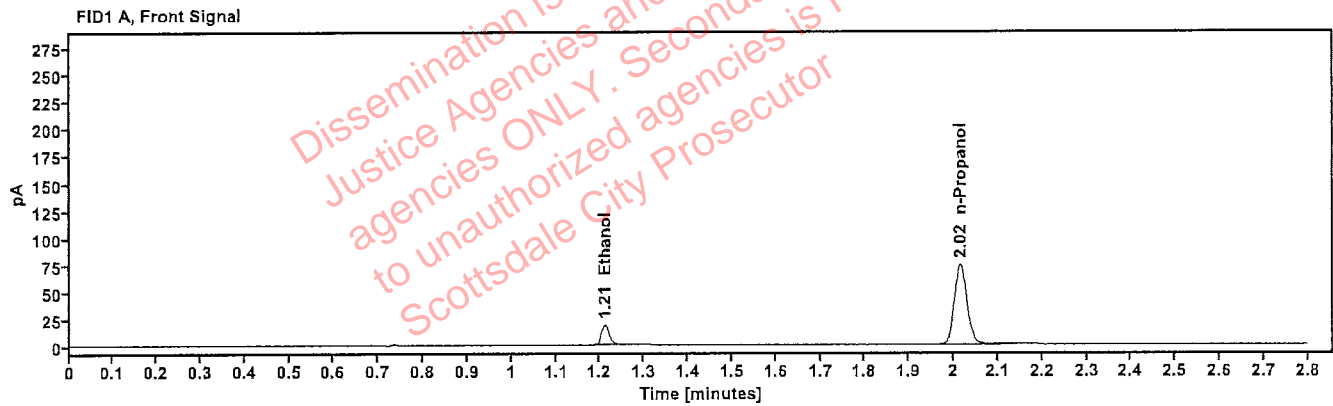


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0412	1.211	23.782
n-Propanol	-----	2.015	147.381

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

Compound	Time (min)	Peak Area
Ethanol	1.357	26.007
n-Propanol	2.435	161.178

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 2:12:19 PM
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Abbott

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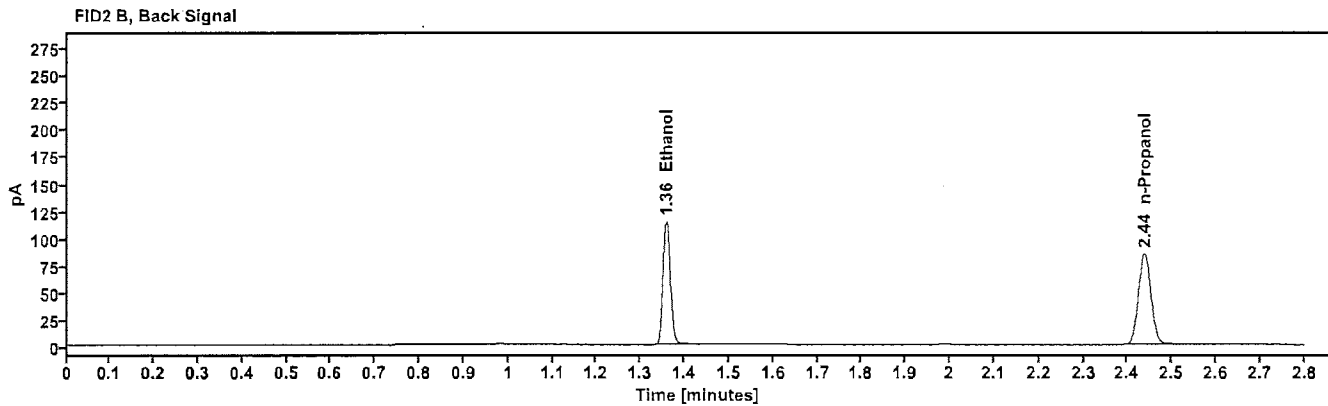
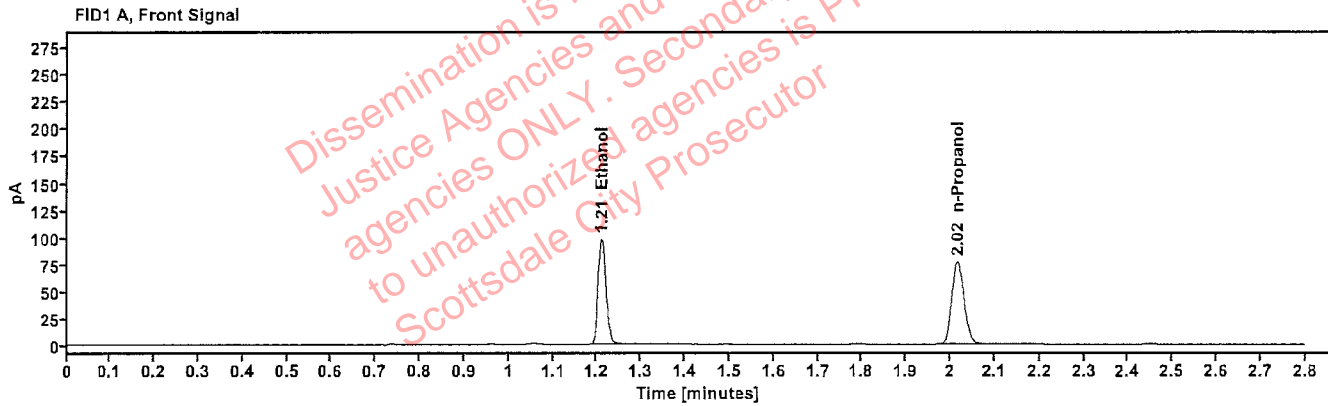


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2014	1.210	123.847
n-Propanol	---	2.017	152.452

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

Compound	Time (min)	Peak Area
Ethanol	1.358	136.187
n-Propanol	2.438	166.773

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 092223AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 2:16:19 PM
Data file: C:\Chem32\1\Data\20Dec23\45.D	Analyst: Abbott

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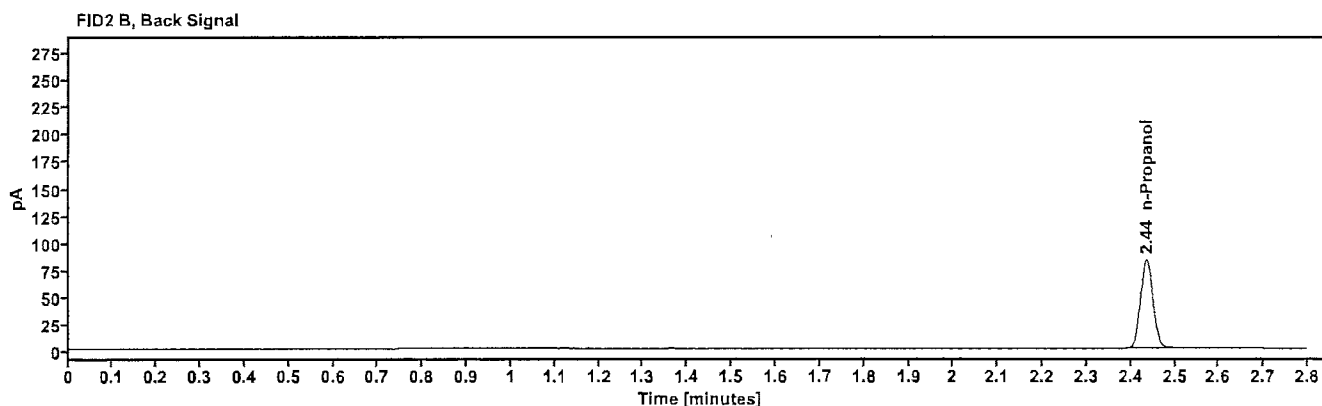
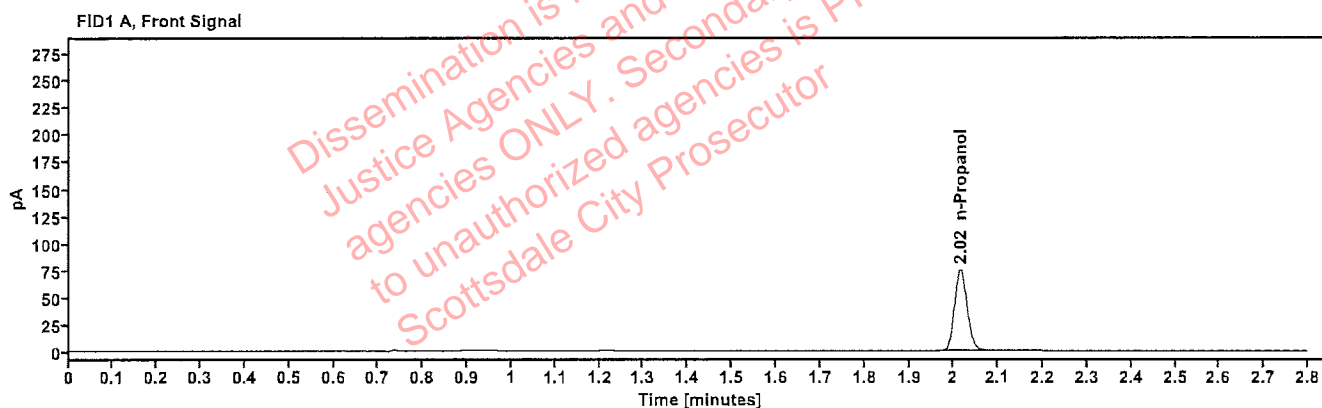


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	148.825

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

Compound	Time (min)	Peak Area
n-Propanol	2.436	162.748

Sequence Summary

Sequence name: 20Dec23 Instrument: US14173023 CN14160045 Analyst: Abbott

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03122113	0.020 calibrator	Calibration		ethanol quant.M
2	FN11172002	0.100 calibrator	Calibration		ethanol quant.M
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.M
7	30012020-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	4110320133/11	0.199	Control		ethanol quant.M
10	421-01M.T.				ethanol quant.M
11	421-01M.T.				ethanol quant.M
12	347-01S.S.				ethanol quant.M
13	347-01S.S.				ethanol quant.M
14	266-01M.R.				ethanol quant.M
15	266-01M.R.				ethanol quant.M
16	347-01C.W.				ethanol quant.M
17	347-01C.W.				ethanol quant.M
18	353-01M.I.				ethanol quant.M
19	353-01M.I.				ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	409-01C.C.				ethanol quant.M
22	409-01C.C.				ethanol quant.M
23	404-01M.H.				ethanol quant.M
24	404-01M.H.				ethanol quant.M
25	2325764-2				ethanol quant.M
26	2325764-2				ethanol quant.M
27	2325861-2				ethanol quant.M
28	2325861-2				ethanol quant.M
29	2325931-1				ethanol quant.M
30	2325931-1				ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2326009-1				ethanol quant.M
33	2326009-1				ethanol quant.M
34	2325470-2				ethanol quant.M
35	2325470-2				ethanol quant.M
36	2325755-2				ethanol quant.M
37	2325755-2				ethanol quant.M
38	2325760-2				ethanol quant.M
39	2325760-2				ethanol quant.M
40	2325765-2				ethanol quant.M
41	2325765-2				ethanol quant.M
42	30012020-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4110320133/11	0.199	Control		ethanol quant.M
45	092223AQ	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 20Dec23

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1493	0.1510	0.15015	0.57	0.00085
12 13	0.2536	0.2527	0.25315	0.18	0.00045
14 15	0.0421	0.0427	0.04240	0.71	0.00030
16 17	0.0908	0.0913	0.09105	0.27	0.00025
18 19	0.2038	0.2046	0.20420	0.20	0.00040
21 22	0.0588	0.0586	0.05870	0.17	0.00010
23 24	0.0932	0.0950	0.09410	0.96	0.00090
25 26	0.0795	0.0795	0.07950	0.00	0.00000
27 28	0.1614	0.1629	0.16215	0.46	0.00075
29 30	0.2090	0.2123	0.21065	0.78	0.00165
32 33	0.1090	0.1054	0.10720	1.68	0.00180
34 35	0.2409	0.2412	0.24105	0.06	0.00015
36 37	0.2417	0.2456	0.24365	0.80	0.00195
38 39	0.0187	0.0187	0.01870	0.00	0.00000
40 41	0.1800	0.1792	0.17960	0.22	0.00040

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

Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

ANALYST: Abbott 

SEQUENCE: 20Dec23

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	421-01M.T.	421-01M.T.	421-01M.T.	Yes
Vials 12 and 13	347-01S.S.	347-01S.S.	347-01S.S.	Yes
Vials 14 and 15	266-01M.R.	266-01M.R.	266-01M.R.	Yes
Vials 16 and 17	347-01C.W.	347-01C.W.	347-01C.W.	Yes
Vials 18 and 19	353-01M.I.	353-01M.I.	353-01M.I.	Yes
Vials 21 and 22	409-01C.C.	409-01C.C.	409-01C.C.	Yes
Vials 23 and 24	404-01M.H.	404-01M.H.	404-01M.H.	Yes
Vials 25 and 26	2325764-2	2325764-2	2325764-2	Yes
Vials 27 and 28	2325861-2	2325861-2	2325861-2	Yes
Vials 29 and 30	2325931-1	2325931-1	2325931-1	Yes
Vials 32 and 33	2326009-1	2326009-1	2326009-1	Yes
Vials 34 and 35	2325470-2	2325470-2	2325470-2	Yes
Vials 36 and 37	2325755-2	2325755-2	2325755-2	Yes
Vials 38 and 39	2325760-2	2325760-2	2325760-2	Yes
Vials 40 and 41	2325765-2	2325765-2	2325765-2	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01M.T	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 11:54:49 AM
Data file:	C:\Chem32\1\Data\20Dec23\10.D	Analyst:	Abbott

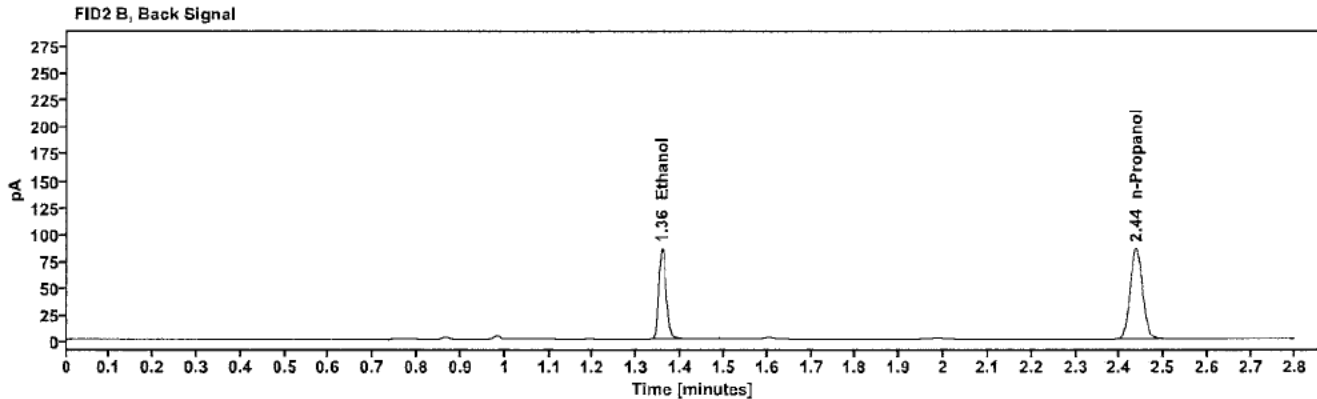
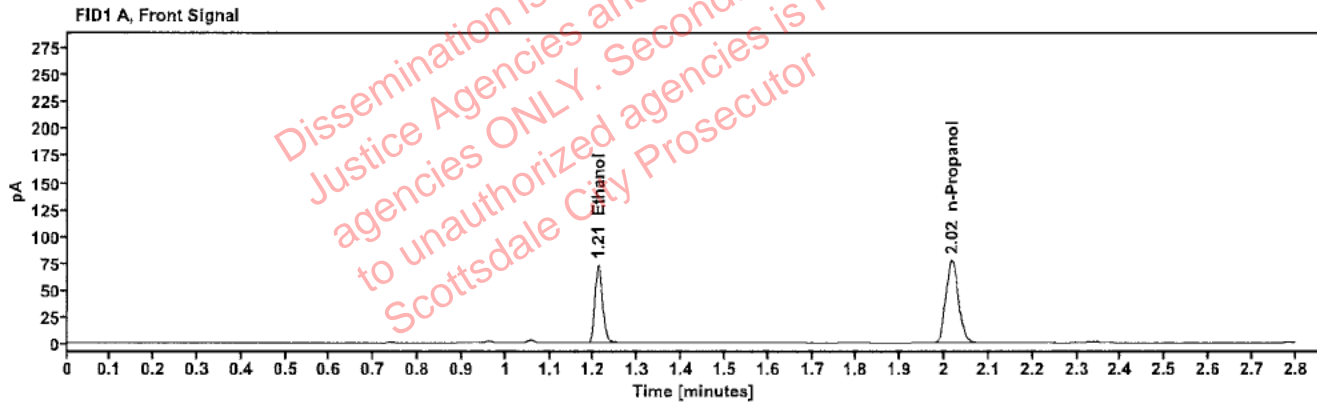


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1493	1.210	92.383
n-Propanol	---	2.016	153.798

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

Compound	Time (min)	Peak Area
Ethanol	1.358	101.721
n-Propanol	2.437	168.068

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	421-01M.T.	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 11:58:49 AM
Data file:	C:\Chem32\1\Data\20Dec23\11.D	Analyst:	Abbott

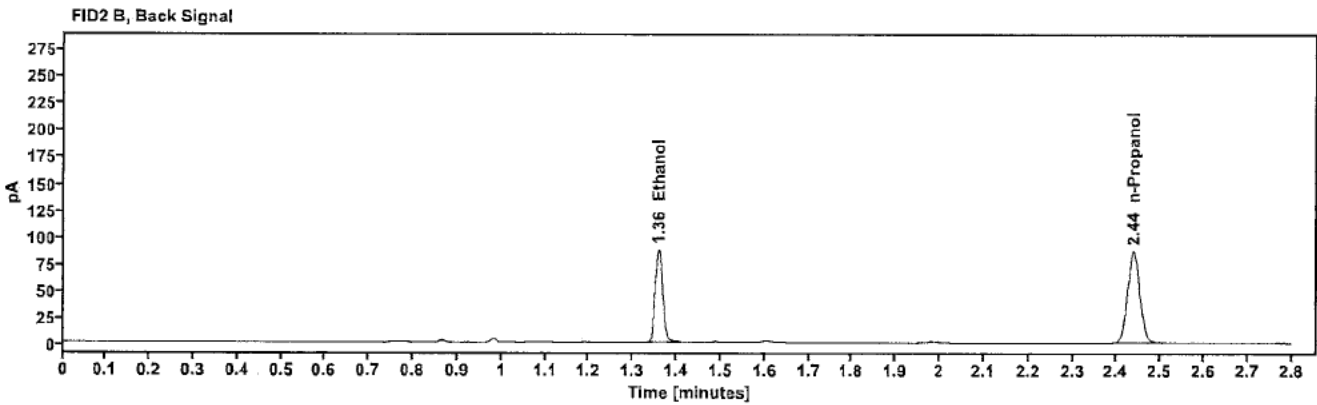
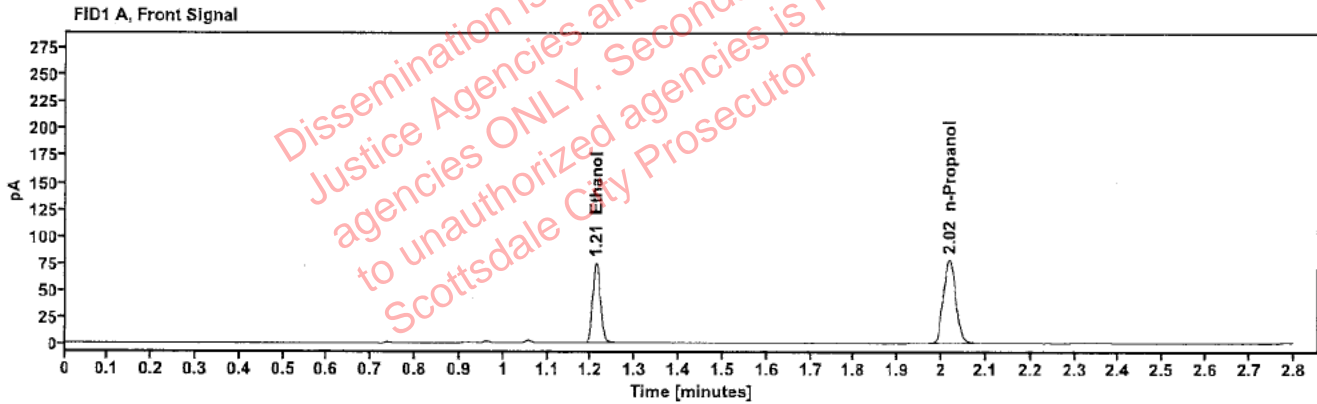


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1510	1.211	94.690
n-Propanol	-----	2.017	155.897

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

Compound	Time (min)	Peak Area
Ethanol	1.359	104.338
n-Propanol	2.438	170.395

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	347-01S.S.	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20DEC23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:02:49 PM
Data file:	C:\Chem32\1\Data\20Dec23\12.D	Analyst:	Abbott

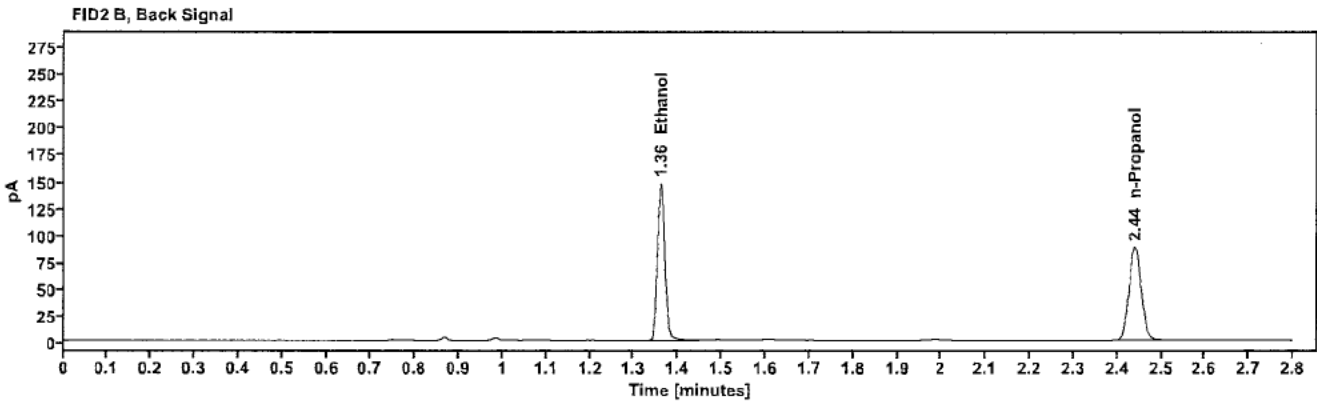
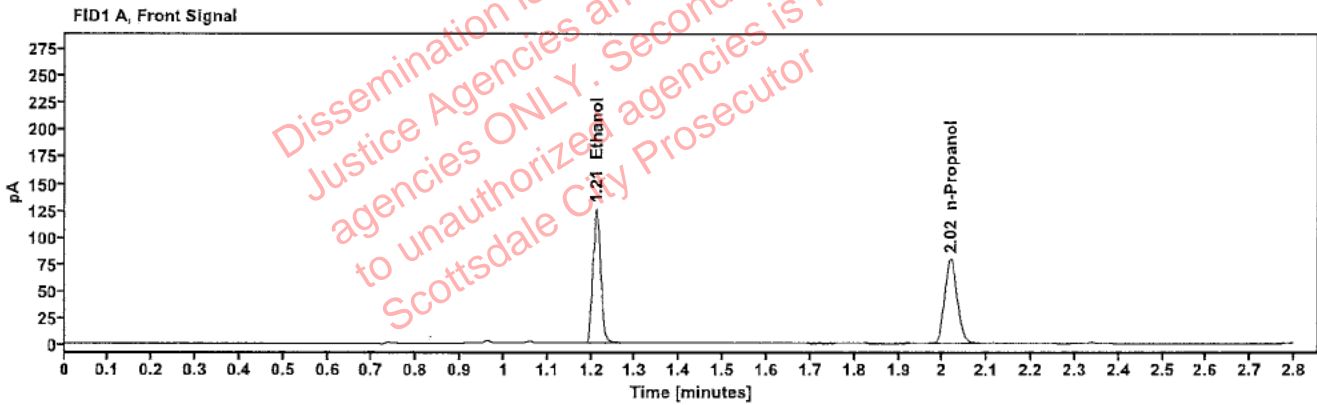


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2536	1.212	160.637
n-Propanol	-----	2.018	156.787

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

Compound	Time (min)	Peak Area
Ethanol	1.360	177.932
n-Propanol	2.440	171.997

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	347-01S.S.	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:07:04 PM
Data file:	C:\Chem32\1\Data\20Dec23\13.D	Analyst:	Abbott

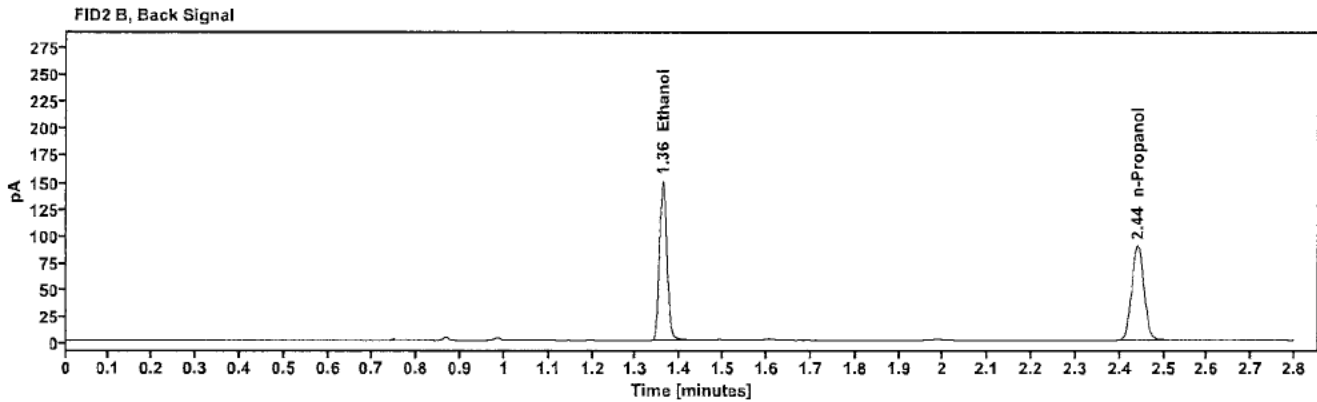
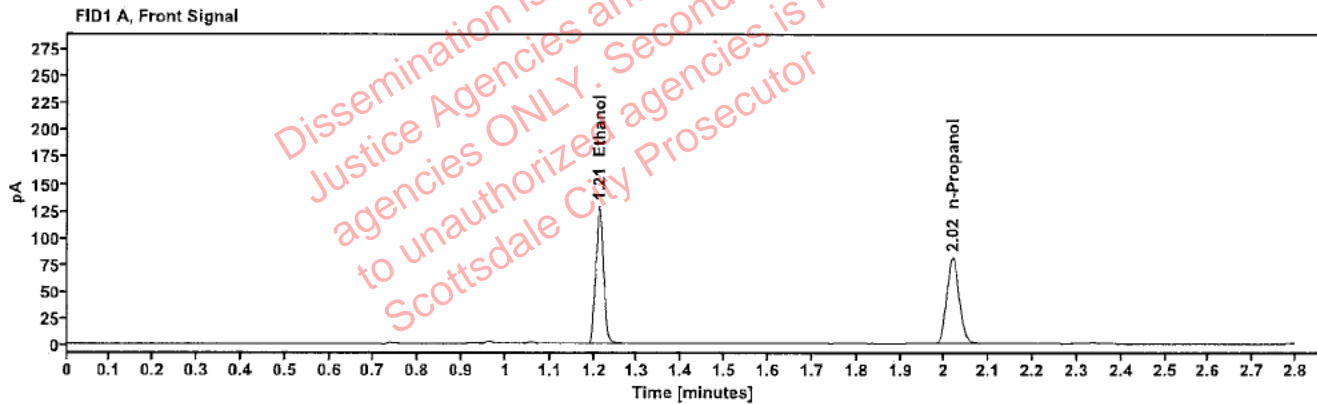


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2527	1.212	164.368
n-Propanol	----	2.018	160.992

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

Compound	Time (min)	Peak Area
Ethanol	1.361	181.009
n-Propanol	2.440	175.512

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	266-01M.R.	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:11:04 PM
Data file:	C:\Chem32\1\Data\20Dec23\14.D	Analyst:	Abbott

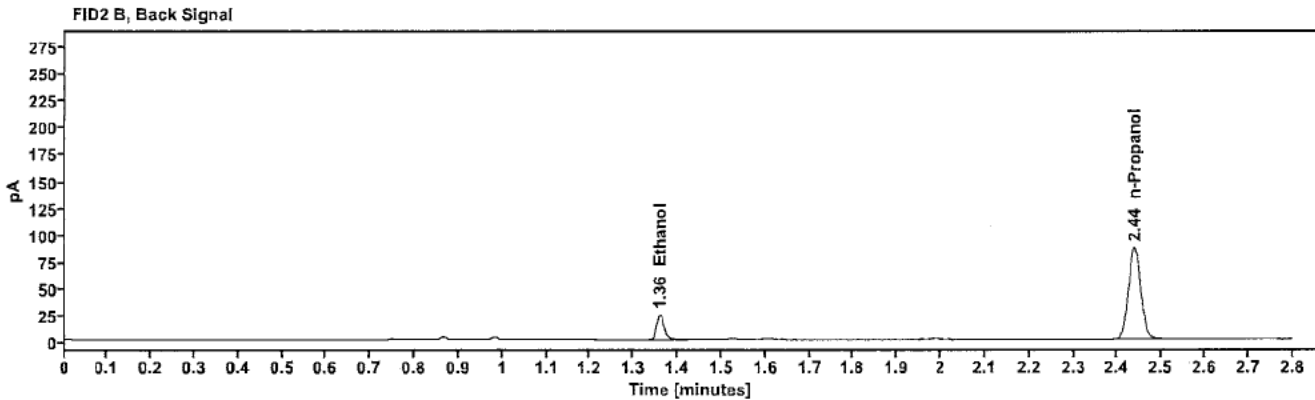
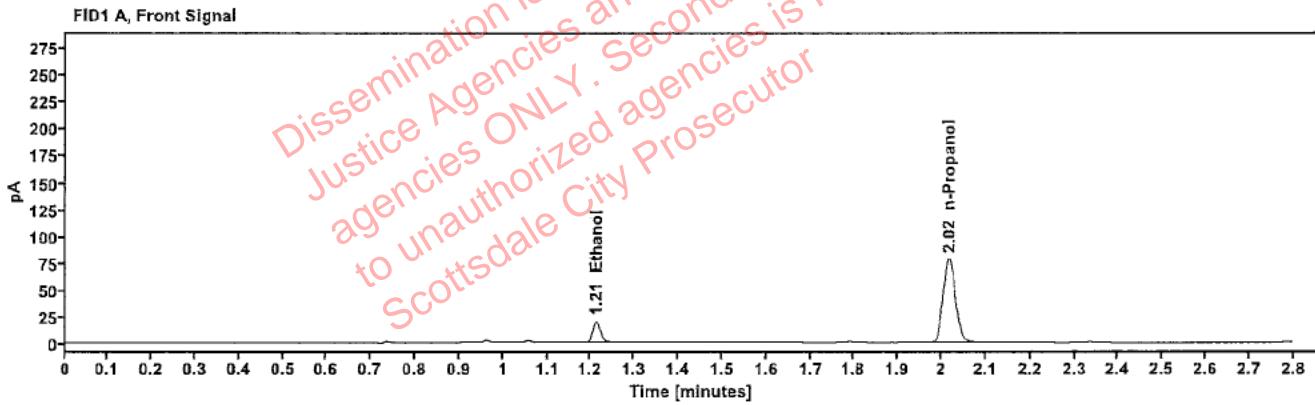


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0421	1.212	25.744
n-Propanol	----	2.017	156.072

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

Compound	Time (min)	Peak Area
Ethanol	1.360	28.771
n-Propanol	2.438	170.060

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	266-01M.R.	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:15:03 PM
Data file:	C:\Chem32\1\Data\20Dec23\15.D	Analyst:	Abbott

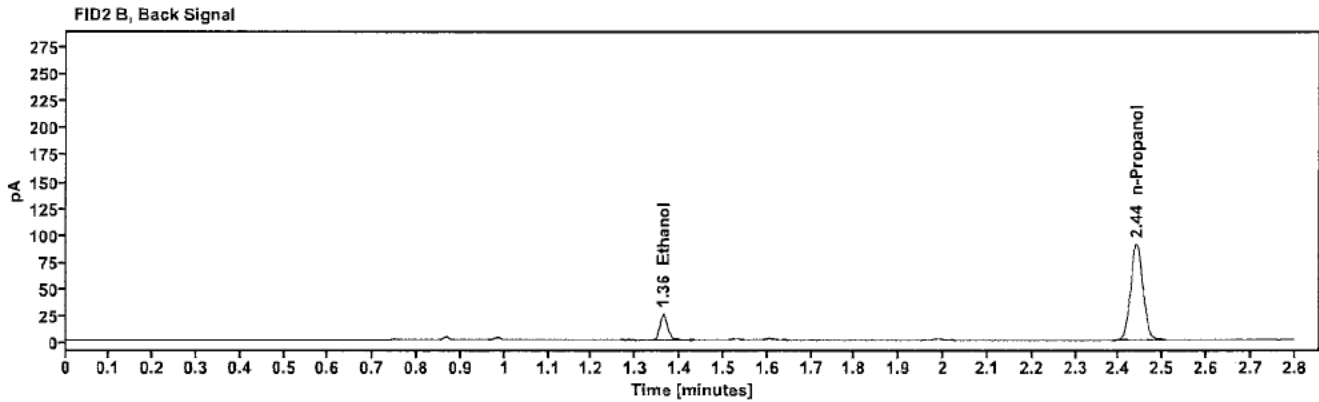
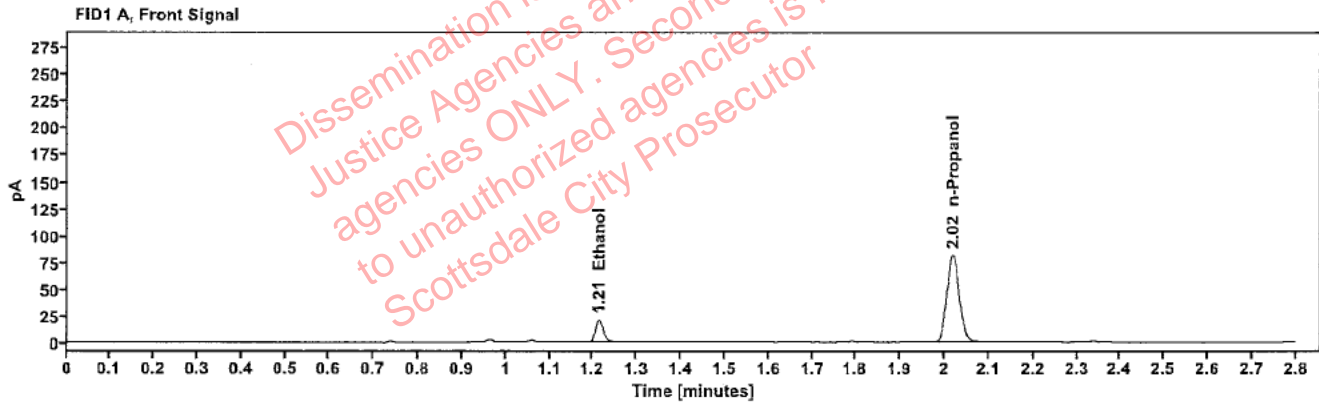


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0427	1.214	27.342
n-Propanol	-----	2.018	163.511

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

Compound	Time (min)	Peak Area
Ethanol	1.362	30.649
n-Propanol	2.440	178.234

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	347-01C.W.	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:19:04 PM
Data file:	C:\Chem32\1\Data\20Dec23\16.D	Analyst:	Abbott

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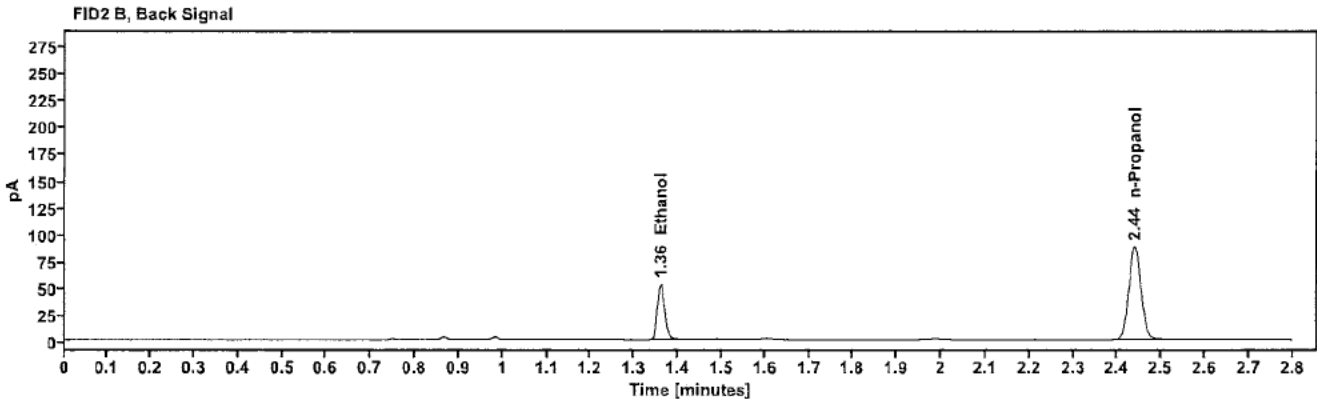
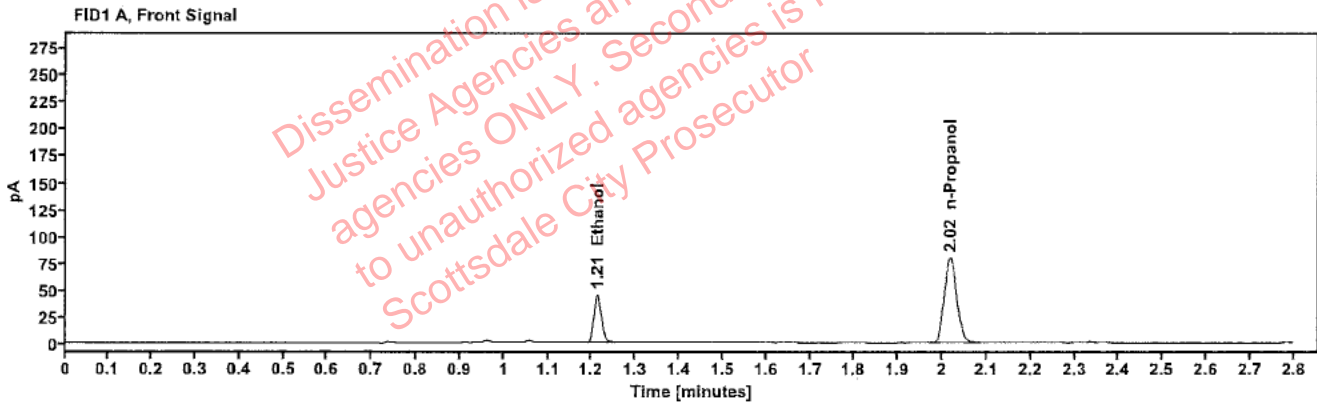


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0908	1.212	57.557
n-Propanol	-----	2.017	158.560

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

Compound	Time (min)	Peak Area
Ethanol	1.360	63.490
n-Propanol	2.439	172.656

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	347-01C.W.	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:23:03 PM
Data file:	C:\Chem32\1\Data\20Dec23\17.D	Analyst:	Abbott

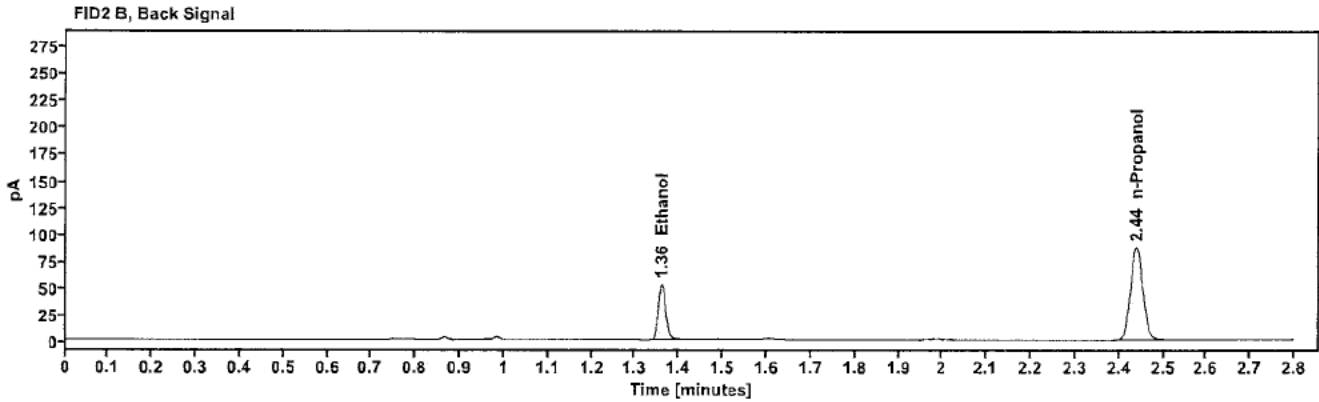
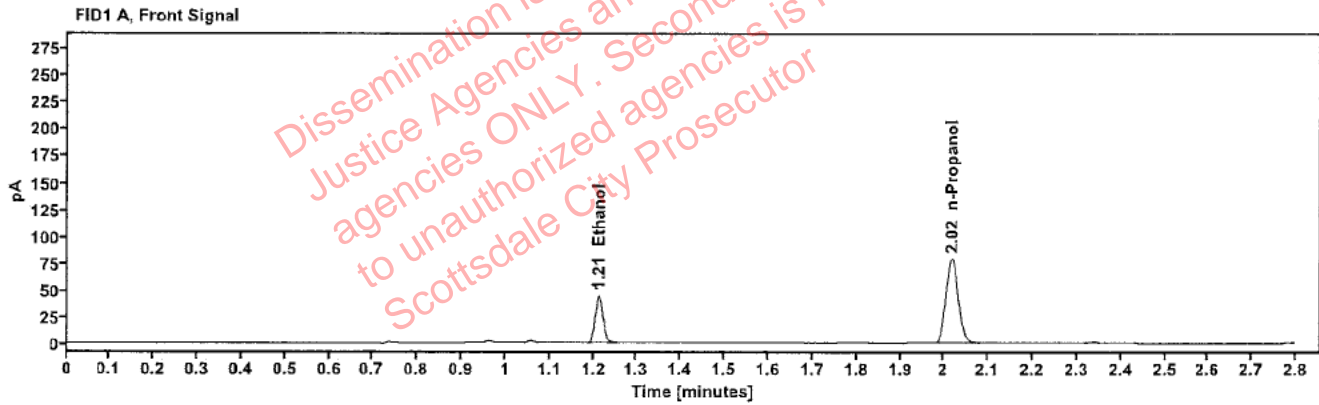


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0913	1.212	57.190
n-Propanol	-----	2.018	156.840

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

Compound	Time (min)	Peak Area
Ethanol	1.360	62.841
n-Propanol	2.439	171.034

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.I.	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:27:04 PM
Data file:	C:\Chem32\1\Data\20Dec23\18.D	Analyst:	Abbott

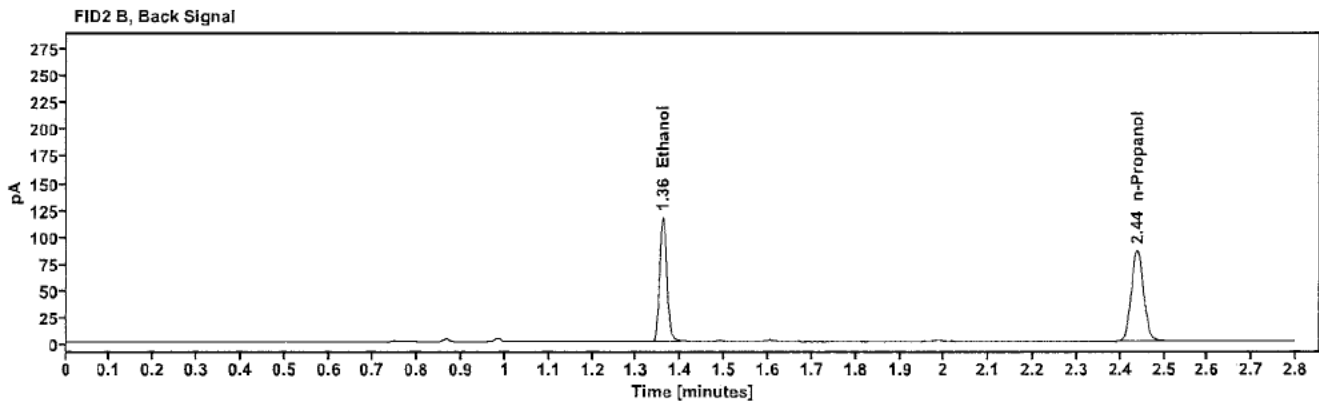
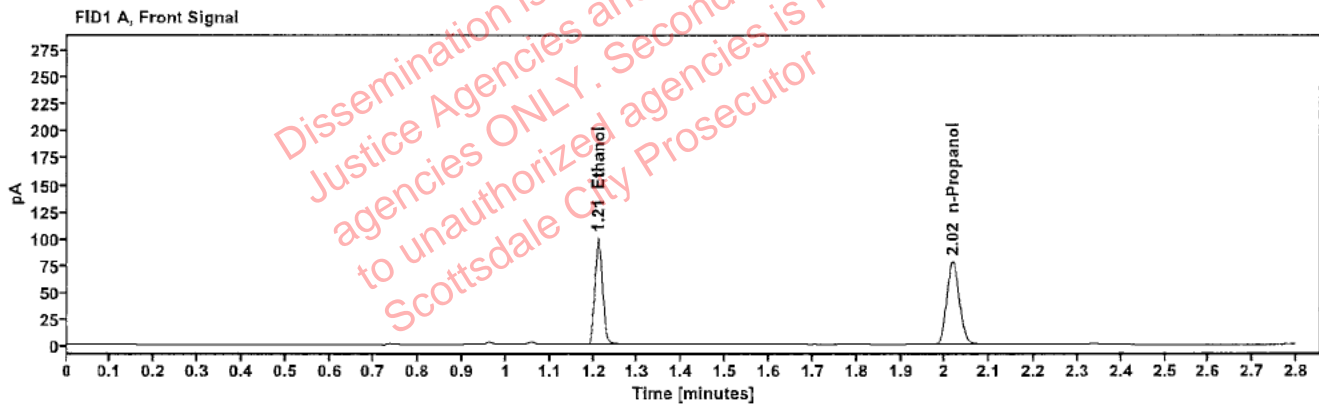


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2038	1.211	127.195
n-Propanol	-----	2.017	154.704

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

Compound	Time (min)	Peak Area
Ethanol	1.359	140.204
n-Propanol	2.438	169.013

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	353-01M.I	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:31:19 PM
Data file:	C:\Chem32\1\Data\20Dec23\19.D	Analyst:	Abbott

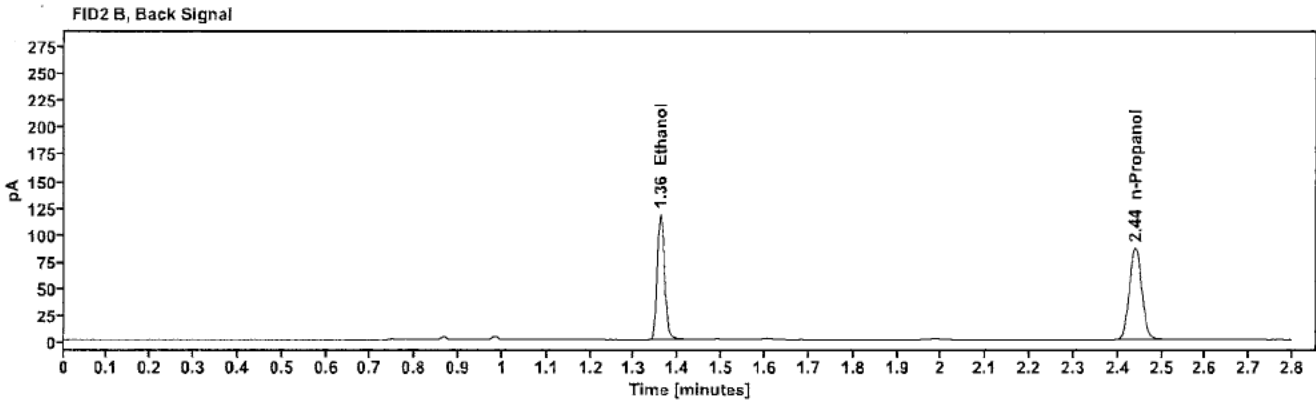
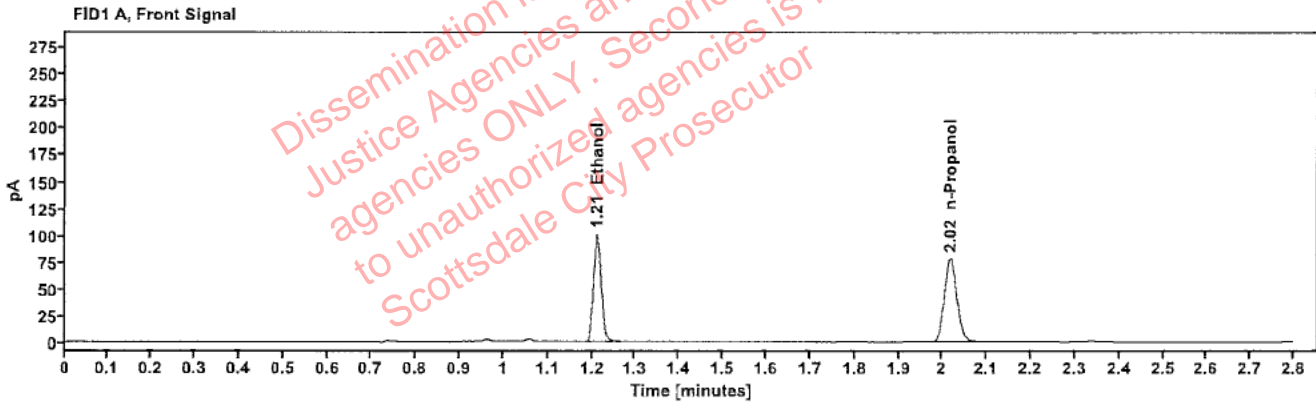


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2046	1.211	128.695
n-Propanol	-----	2.018	155.941

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

Compound	Time (min)	Peak Area
Ethanol	1.360	141.454
n-Propanol	2.439	169.834

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01C.C.	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:39:19 PM
Data file:	C:\Chem32\1\Data\20Dec23\21.D	Analyst:	Abbott

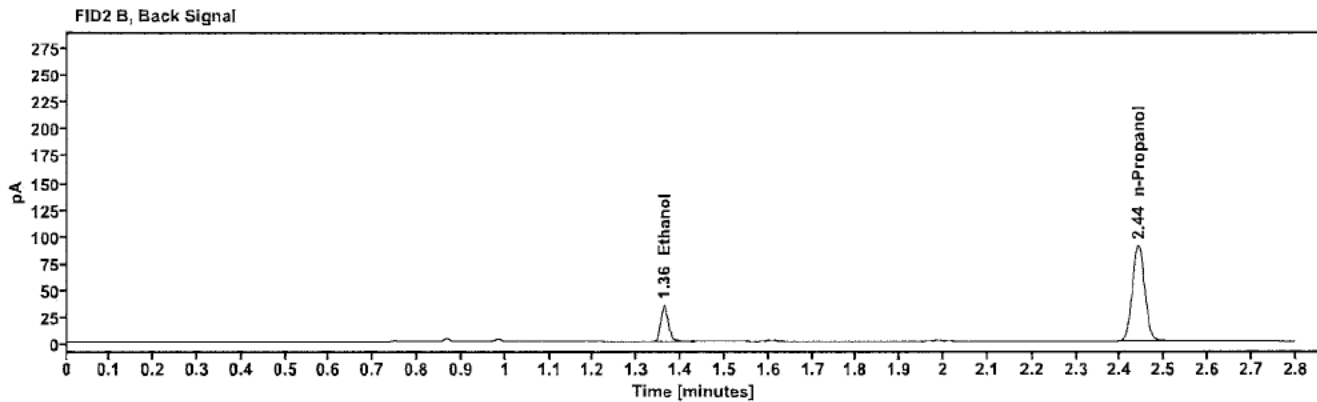
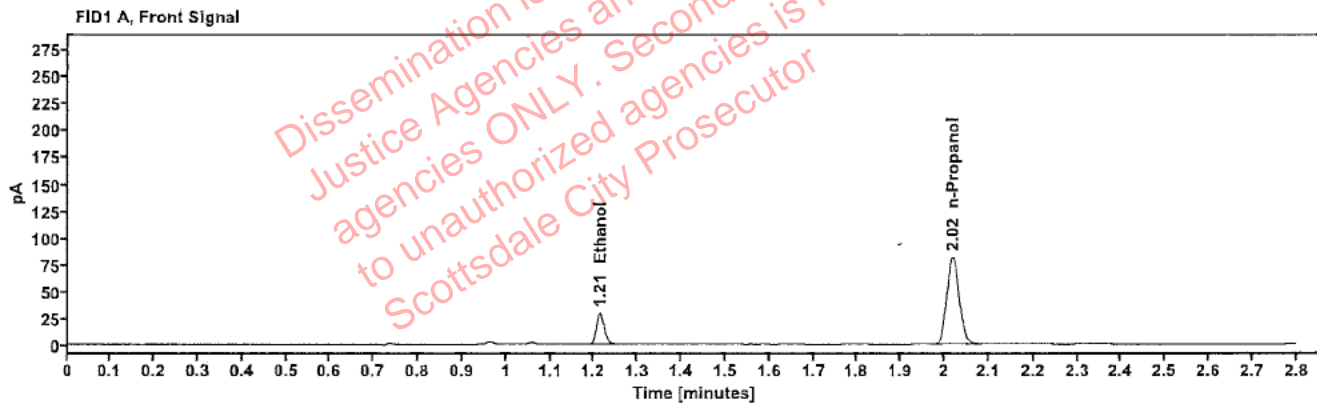


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0588	1.213	37.871
n-Propanol	-----	2.018	162.832

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

Compound	Time (min)	Peak Area
Ethanol	1.362	41.864
n-Propanol	2.440	177.557

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 409-01C.C	Vial: 22
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 20Dec23
Instrument: US14173023 CN14160045	Injection date: 12/20/2023 12:43:18 PM
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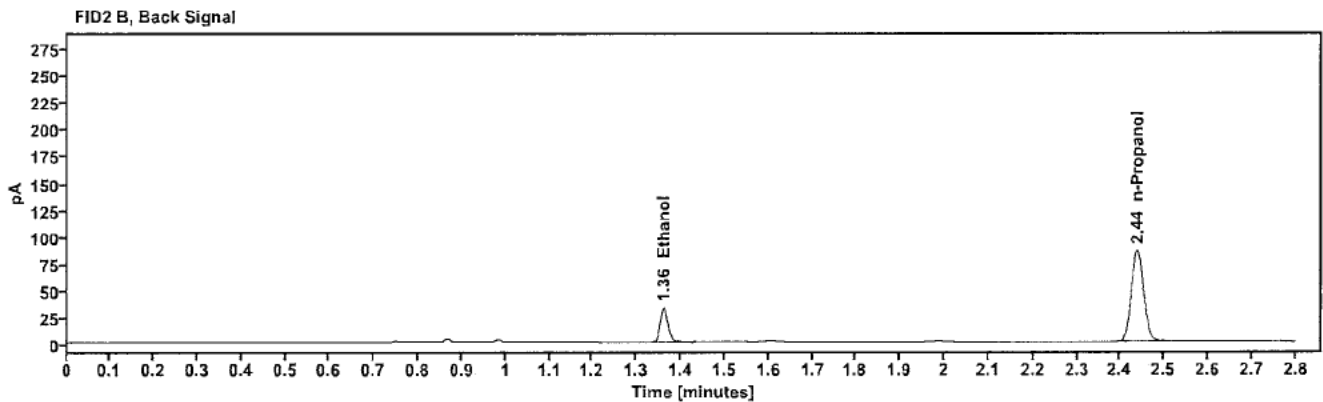
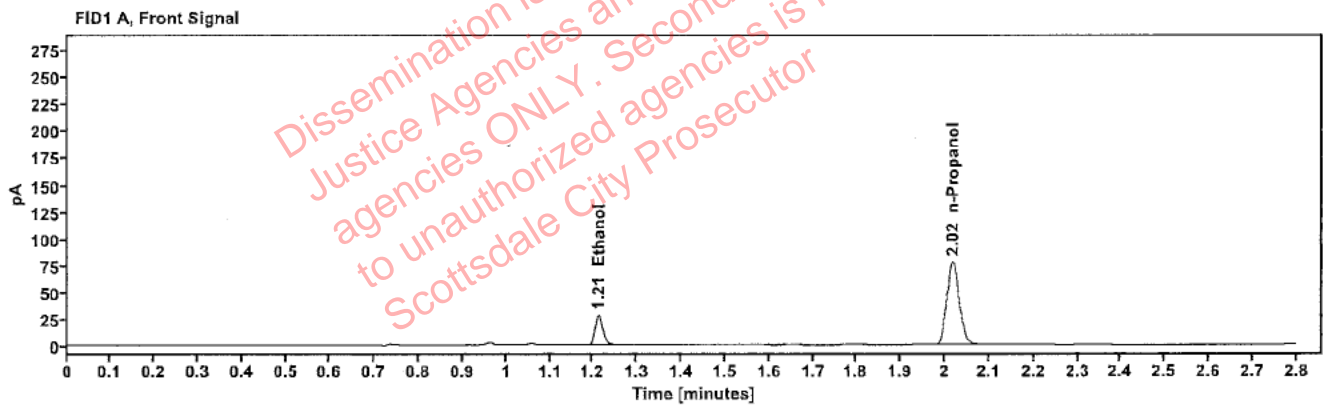


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0586	1.212	35.912
n-Propanol	---	2.017	154.825

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

Compound	Time (min)	Peak Area
Ethanol	1.361	40.043
n-Propanol	2.439	168.794

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01M.H.	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:47:19 PM
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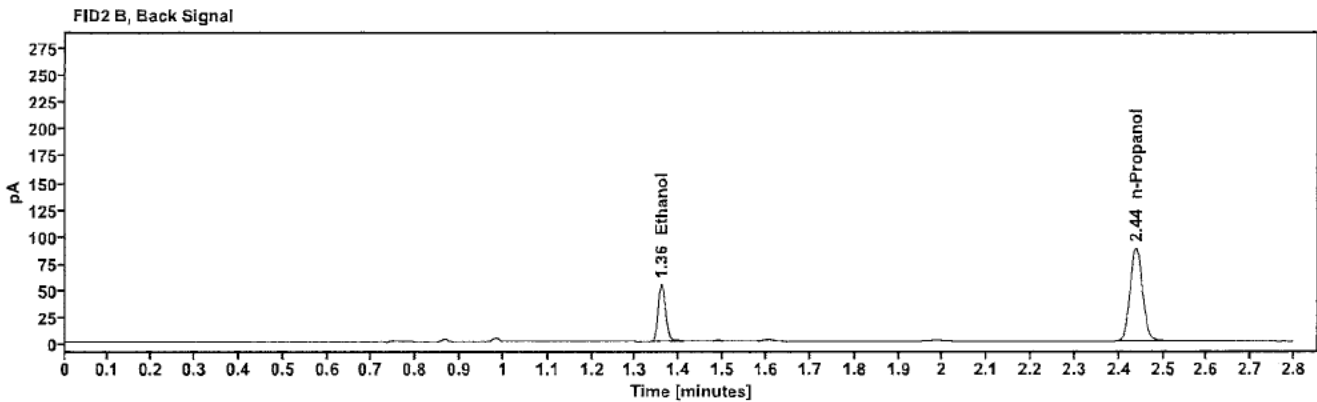
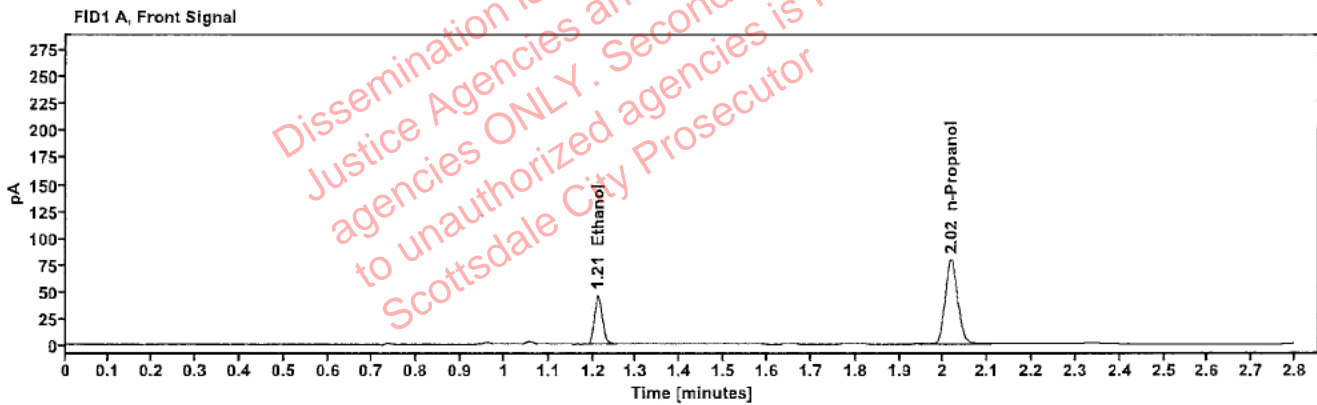


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0932	1.212	58.869
n-Propanol	-----	2.017	158.032

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

Compound	Time (min)	Peak Area
Ethanol	1.360	64.901
n-Propanol	2.438	172.324

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	404-01M.H.	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:51:19 PM
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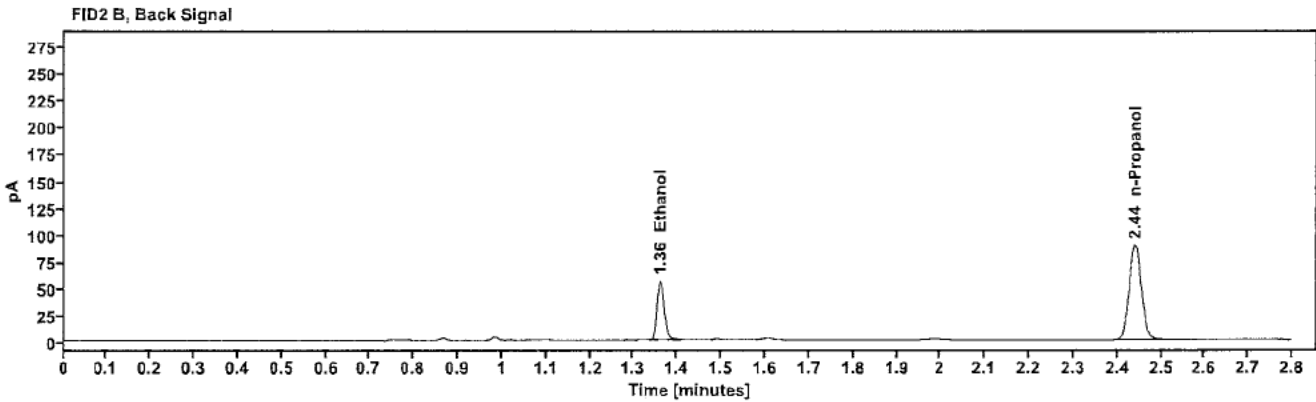
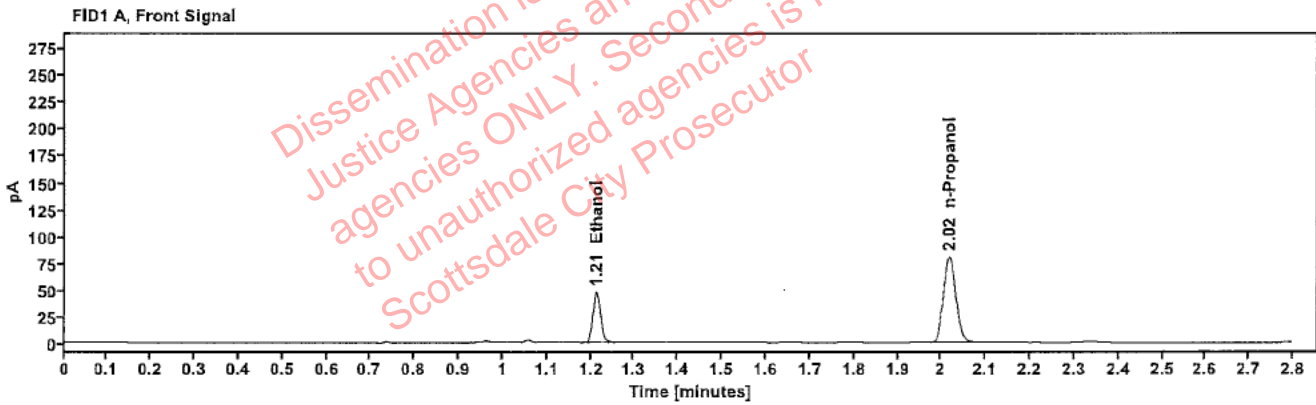


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0950	1.212	60.940
n-Propanol	-----	2.018	160.433

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

Compound	Time (min)	Peak Area
Ethanol	1.361	67.280
n-Propanol	2.440	175.216

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325764-2	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:55:34 PM
Data file:	C:\Chem32\1\Data\20Dec23\25.D	Analyst:	Abbott

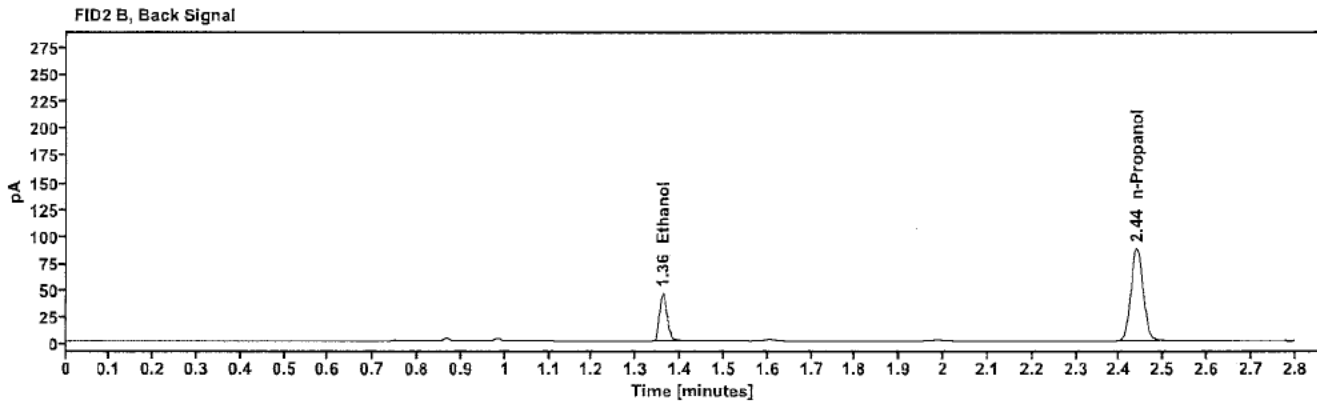
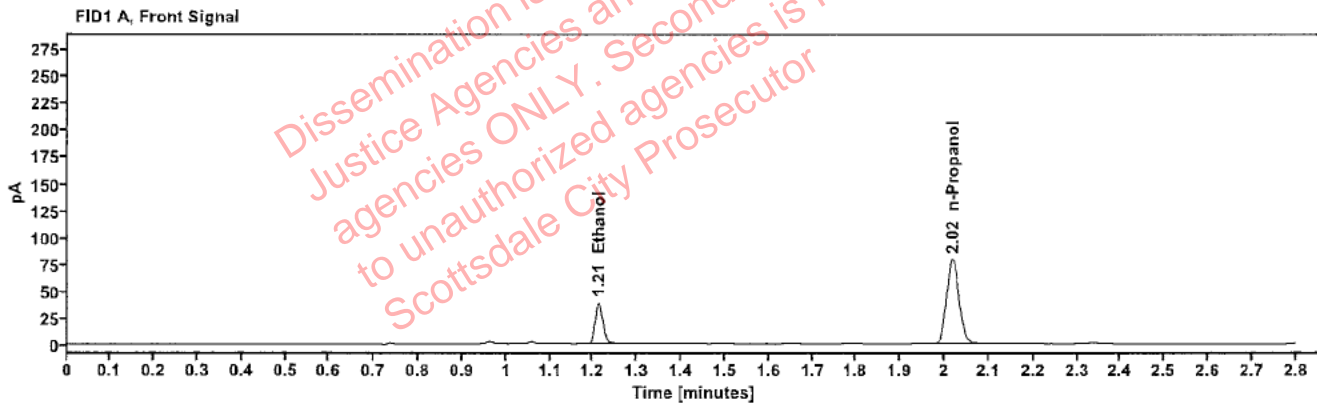


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0795	1.212	49.873
n-Propanol	-----	2.018	157.447

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

Compound	Time (min)	Peak Area
Ethanol	1.361	54.764
n-Propanol	2.439	171.645

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325764-2	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 12:59:35 PM
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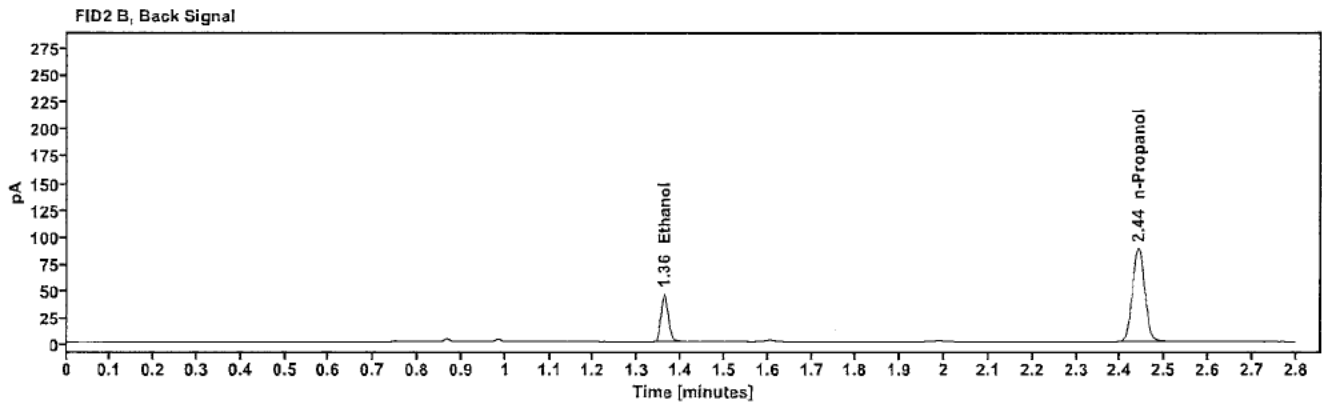
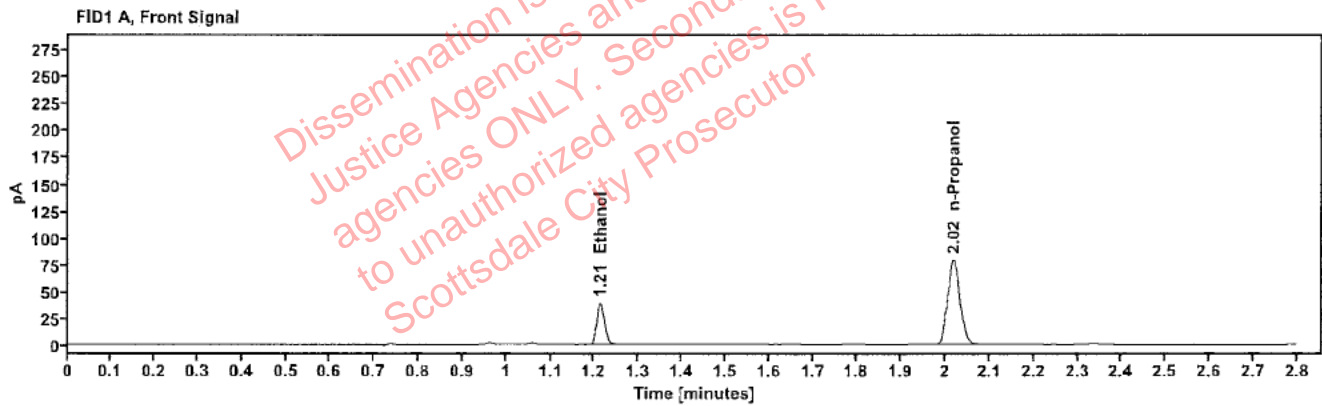


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0795	1.213	50.331
n-Propanol	-----	2.018	158.737

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

Compound	Time (min)	Peak Area
Ethanol	1.361	55.419
n-Propanol	2.440	172.972

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325861-2	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:03:34 PM
Data file:	C:\Chem32\1\Data\20Dec23\27.D	Analyst:	Abbott

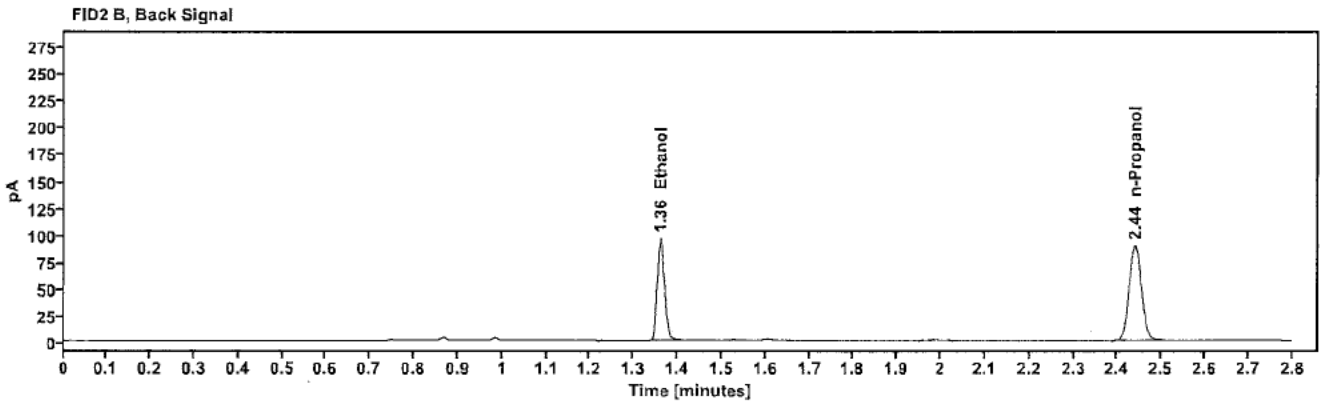
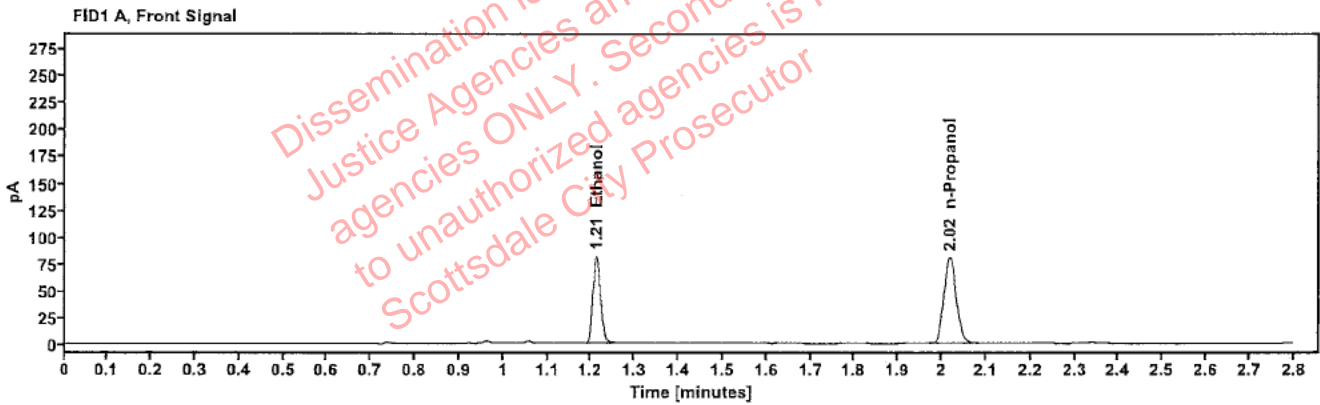


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1614	1.212	104.613
n-Propanol	---	2.018	161.037

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

Compound	Time (min)	Peak Area
Ethanol	1.361	115.137
n-Propanol	2.440	175.247

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325861-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:07:34 PM
Data file:	C:\Chem32\1\Data\20Dec23\28.D	Analyst:	Abbott

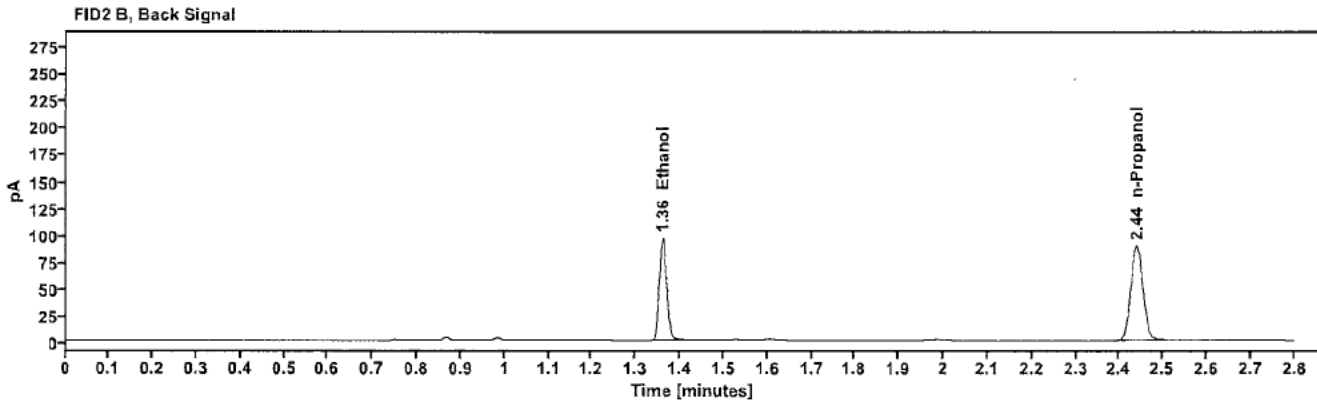
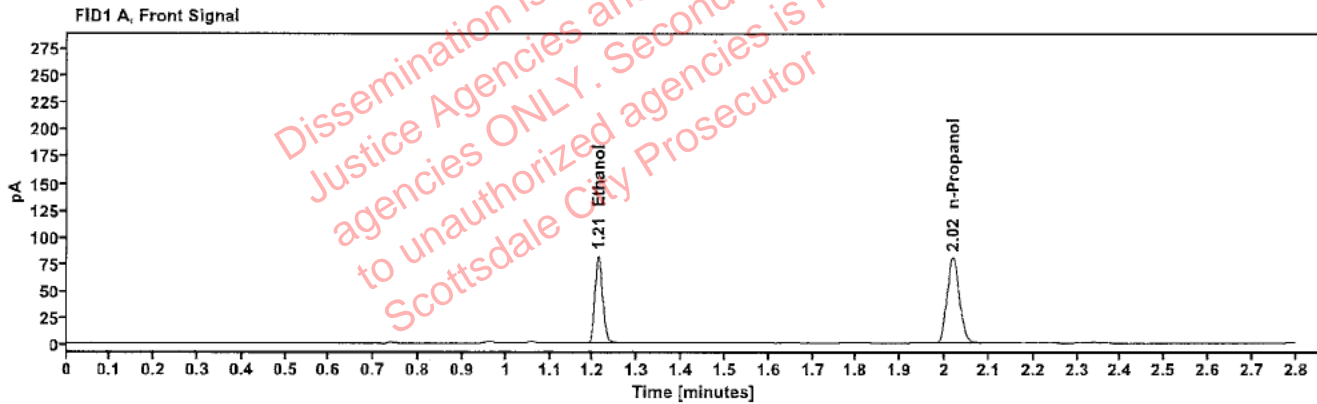


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1629	1.212	104.707
n-Propanol	-----	2.018	159.655

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

Compound	Time (min)	Peak Area
Ethanol	1.360	115.328
n-Propanol	2.440	175.167

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325931-1	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:11:33 PM
Data file:	C:\Chem32\1\Data\20Dec23\29.D	Analyst:	Abbott

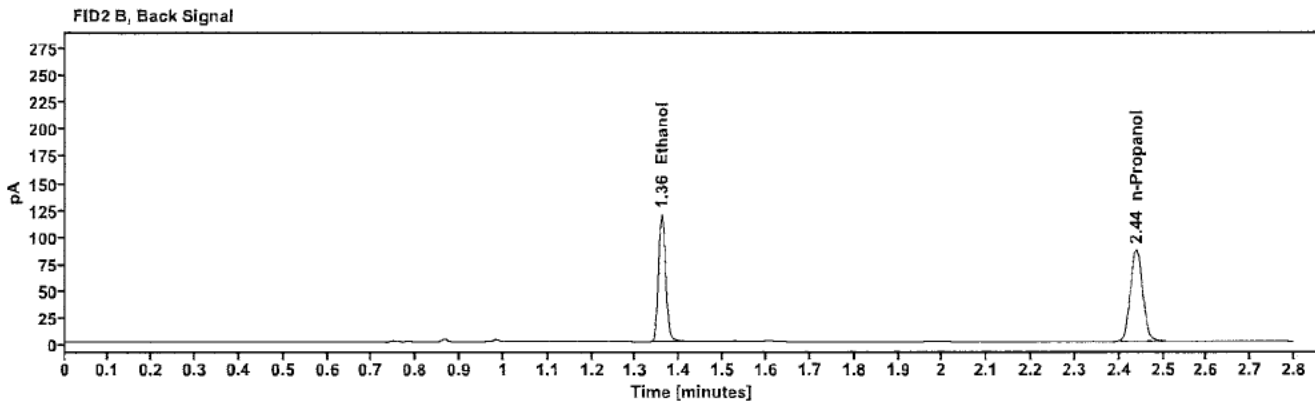
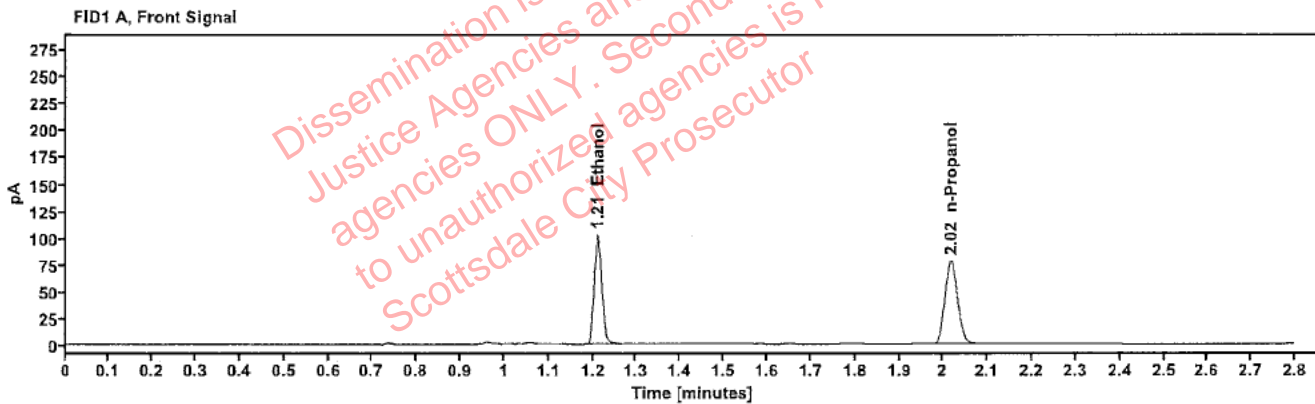


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2090	1.211	130.157
n-Propanol	---	2.017	154.349

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

Compound	Time (min)	Peak Area
Ethanol	1.359	143.308
n-Propanol	2.438	169.255

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325931-1	Vial:	30
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:15:34 PM
Data file:	C:\Chem32\1\Data\20Dec23\30.D	Analyst:	Abbott

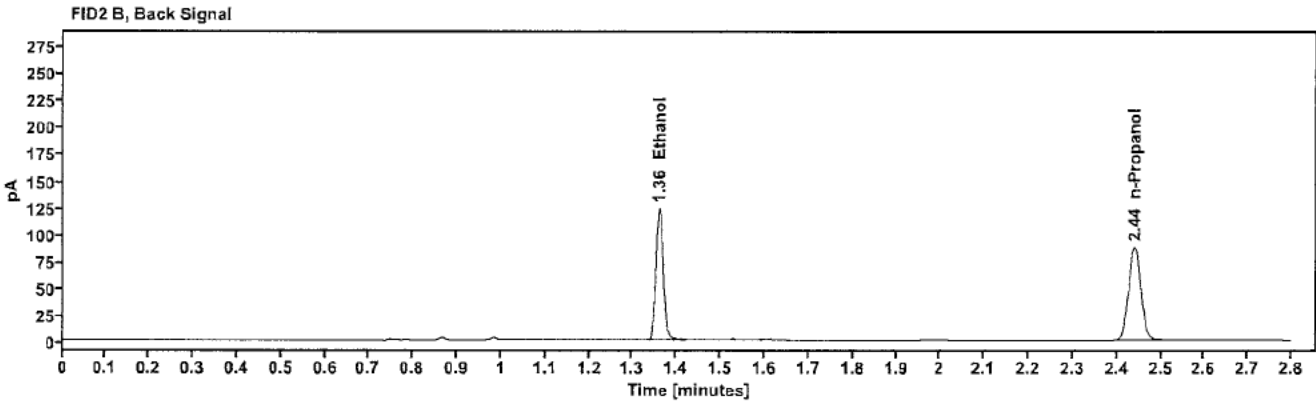
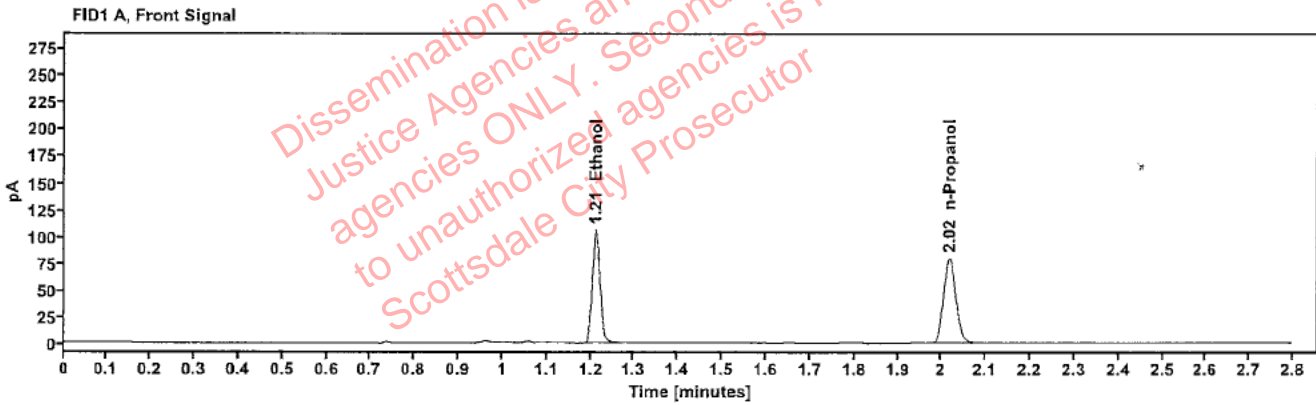


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2123	1.212	134.664
n-Propanol	-----	2.018	157.237

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

Compound	Time (min)	Peak Area
Ethanol	1.360	148.313
n-Propanol	2.440	172.441

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2326009-1	Vial:	32
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:23:49 PM
Data file:	C:\Chem32\1\Data\20Dec23\32.D	Analyst:	Abbott

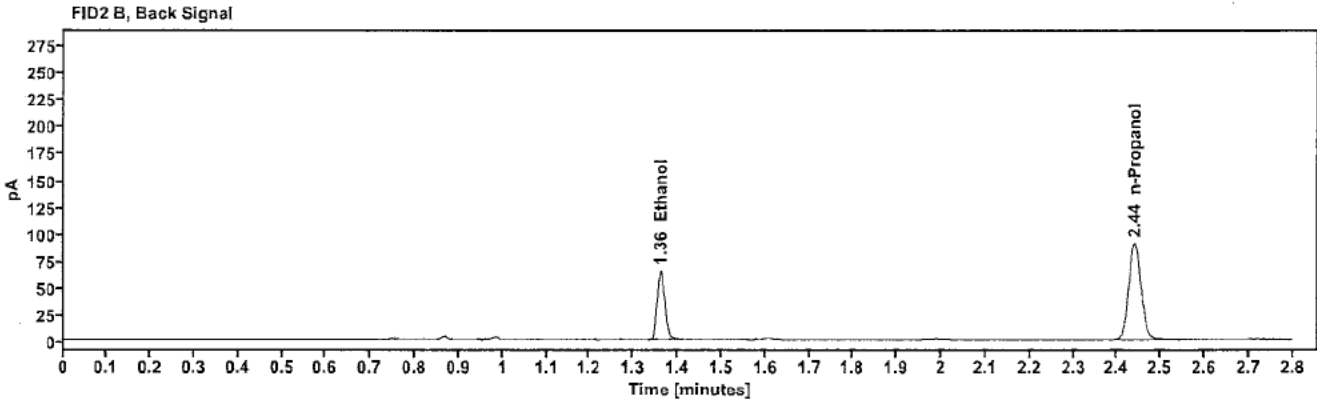
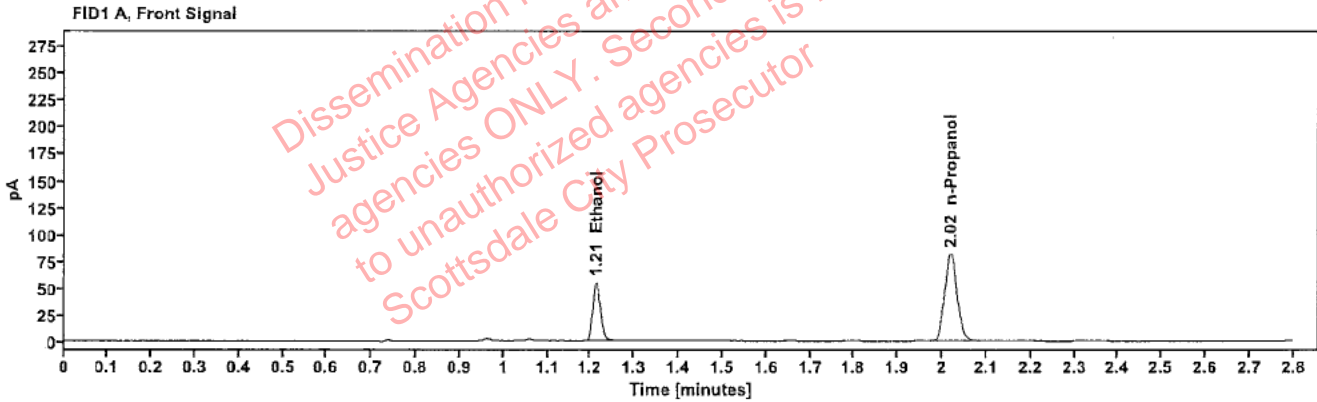


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1090	1.212	70.802
n-Propanol	-----	2.018	162.125

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

Compound	Time (min)	Peak Area
Ethanol	1.361	77.952
n-Propanol	2.440	178.145

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2326009-1	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:27:49 PM
Data file:	C:\Chem32\1\Data\20Dec23\33.D	Analyst:	Abbott

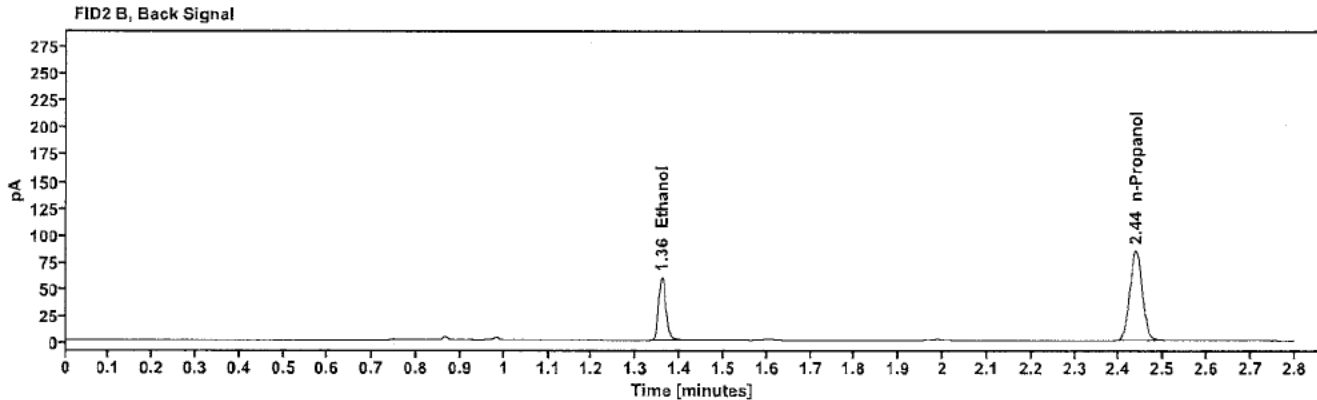
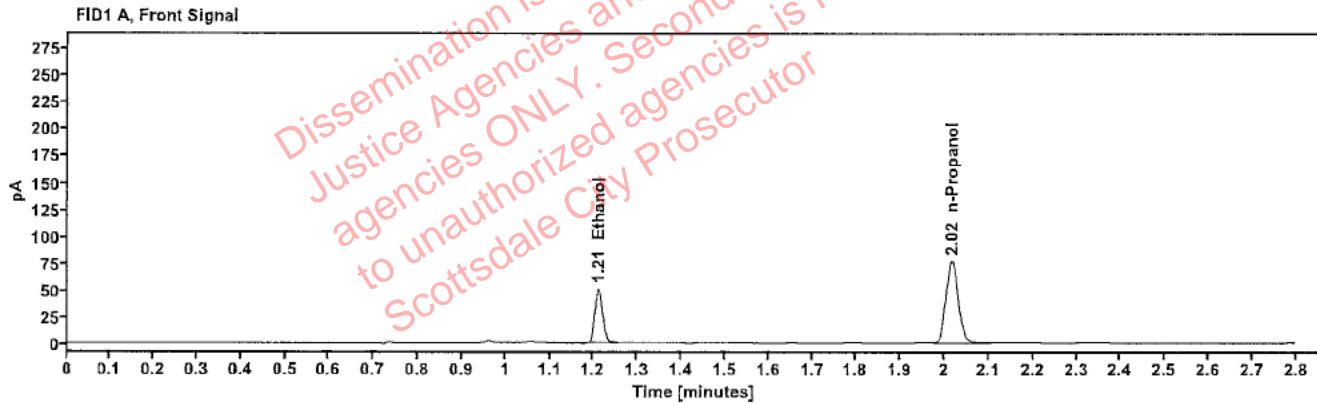


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1054	1.211	64.681
n-Propanol	---	2.016	153.204

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

Compound	Time (min)	Peak Area
Ethanol	1.358	71.348
n-Propanol	2.437	167.080

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325470-2	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:31:48 PM
Data file:	C:\Chem32\1\Data\20Dec23\34.D	Analyst:	Abbott

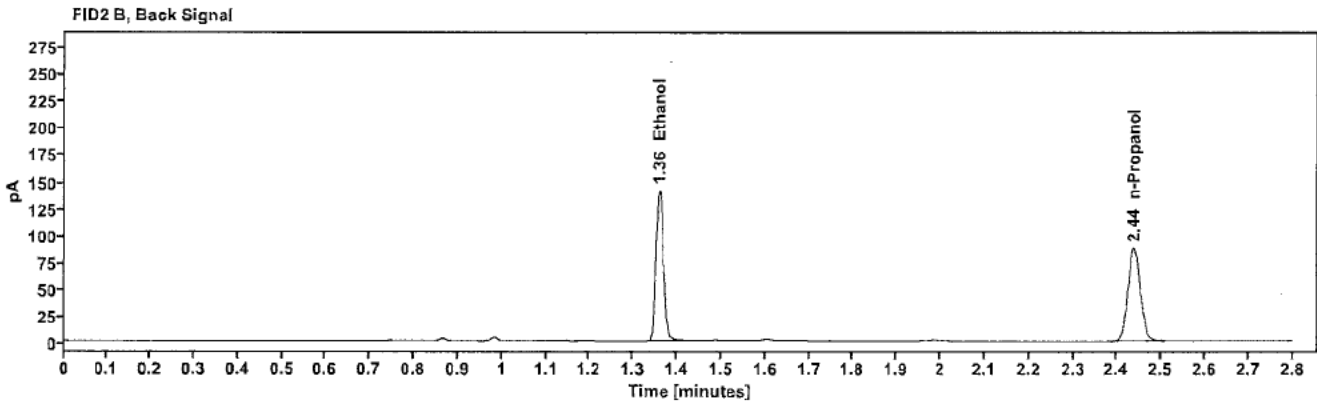
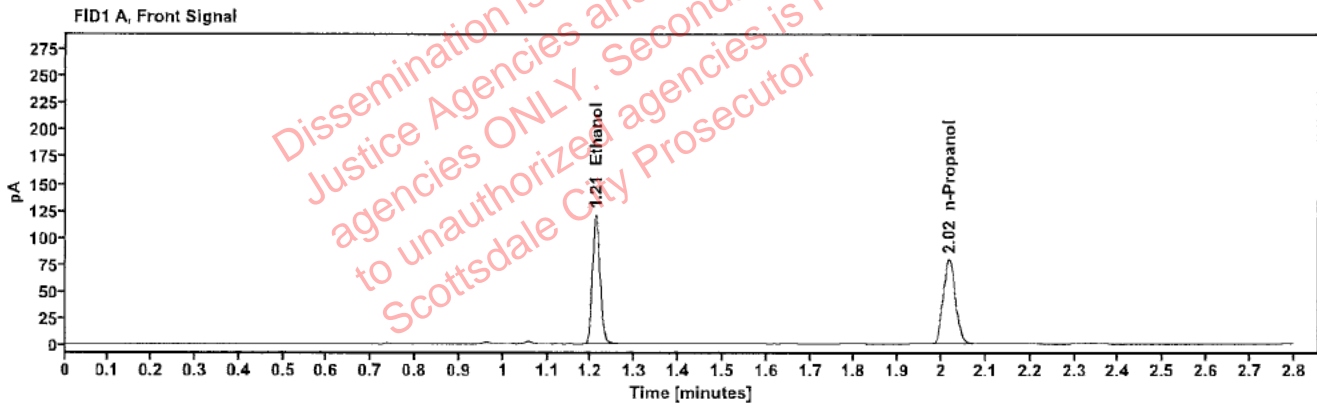


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2409	1.210	153.822
n-Propanol	---	2.016	158.129

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

Compound	Time (min)	Peak Area
Ethanol	1.359	169.404
n-Propanol	2.438	172.124

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325470-2	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:35:49 PM
Data file:	C:\Chem32\1\Data\20Dec23\35.D	Analyst:	Abbott

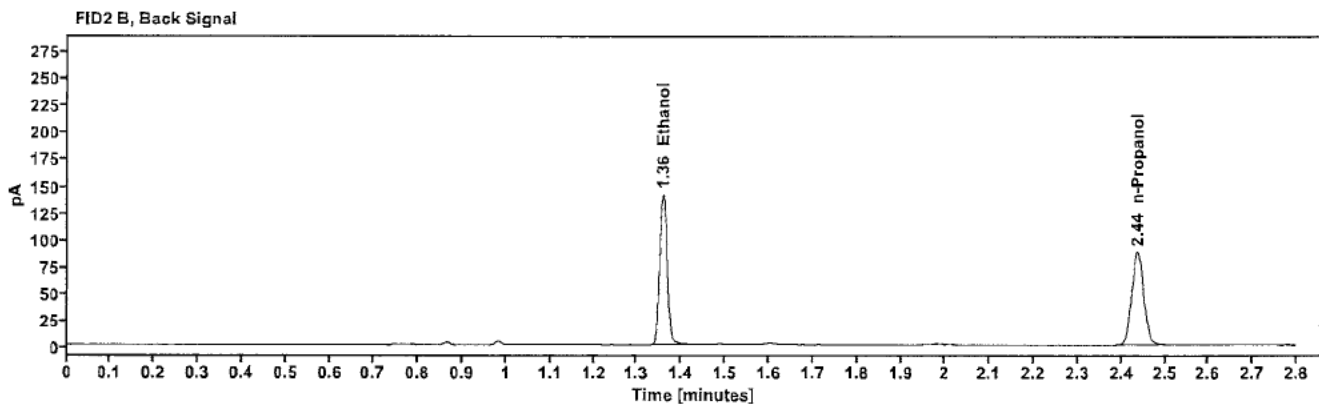
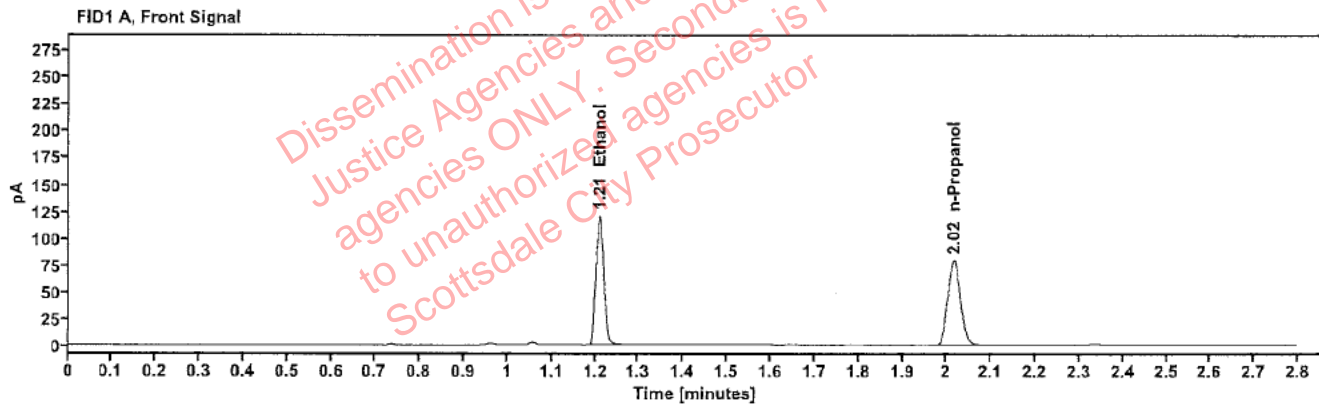


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2412	1.210	153.656
n-Propanol	---	2.015	157.769

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

Compound	Time (min)	Peak Area
Ethanol	1.358	169.116
n-Propanol	2.437	171.745

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325755-2	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:39:48 PM
Data file:	C:\Chem32\1\Data\20Dec23\36.D	Analyst:	Abbott

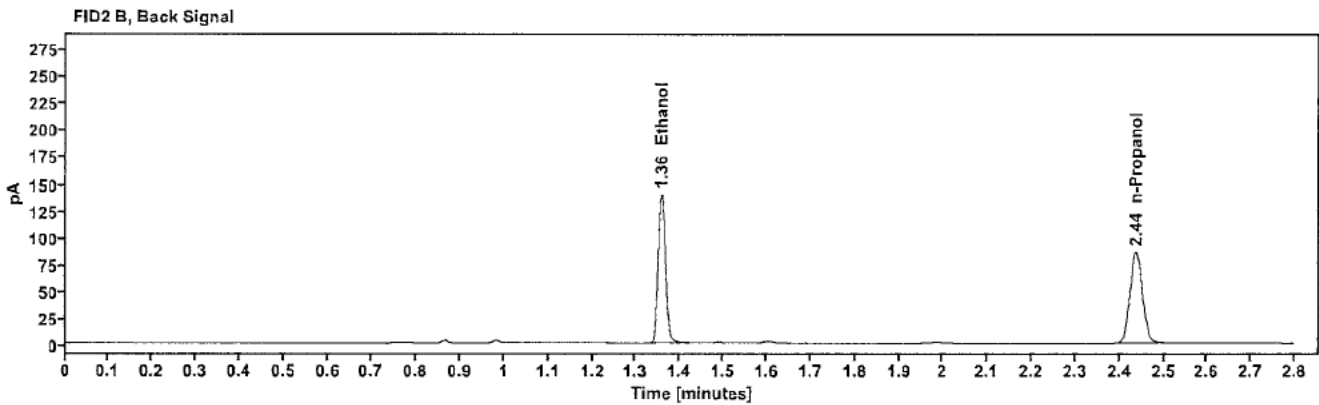
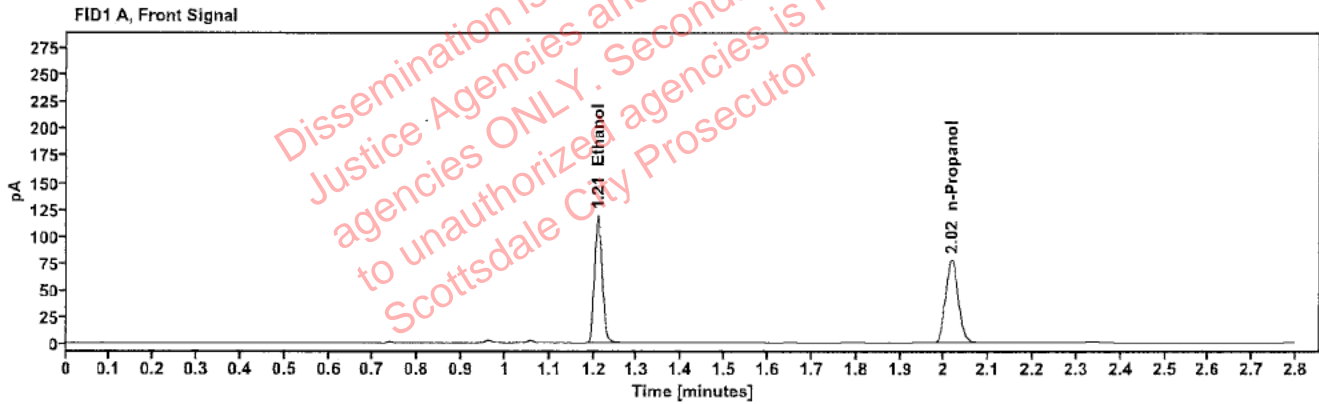


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2417	1.210	150.955
n-Propanol	-----	2.016	154.621

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

Compound	Time (min)	Peak Area
Ethanol	1.358	166.485
n-Propanol	2.437	168.618

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325755-2	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:44:04 PM
Data file:	C:\Chem32\1\Data\20Dec23\37.D	Analyst:	Abbott

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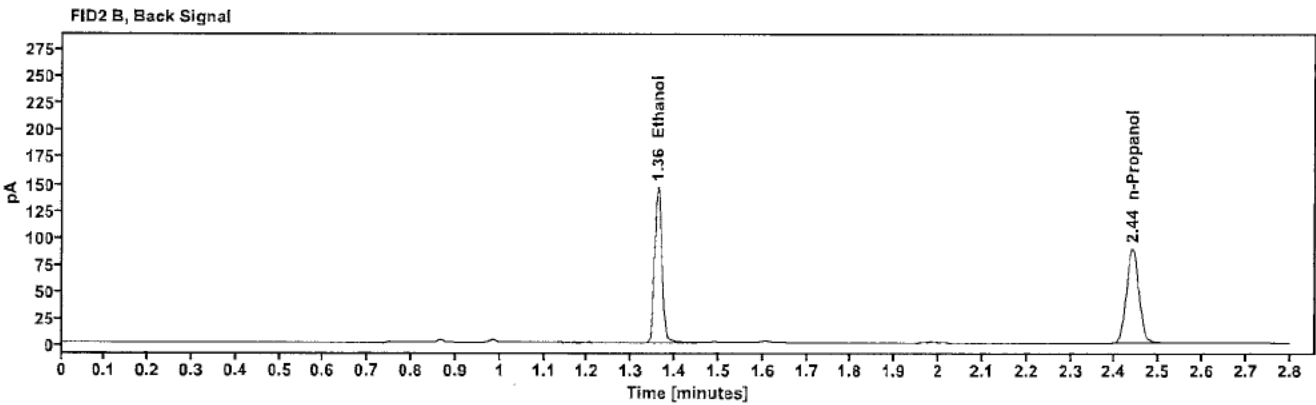
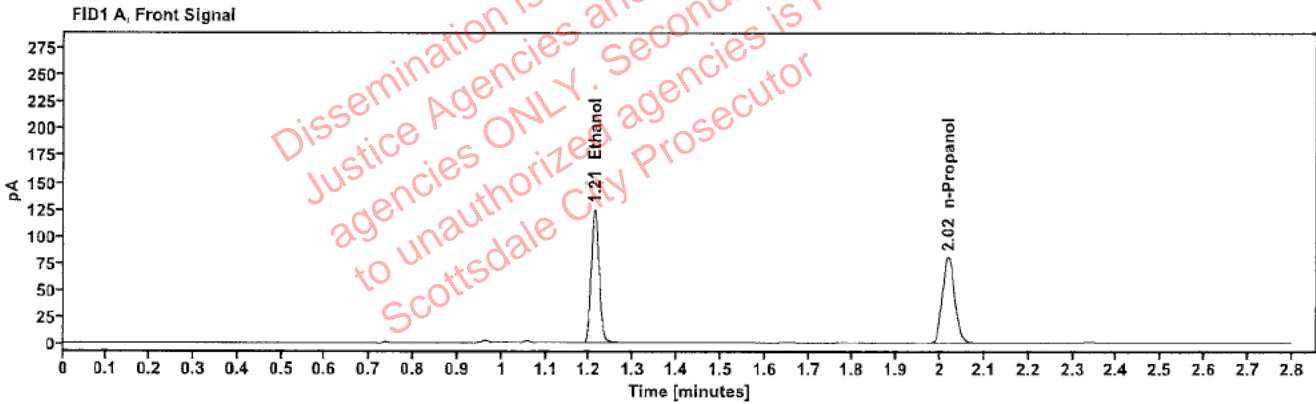


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2456	1.211	159.383
n-Propanol	-----	2.018	160.652

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

Compound	Time (min)	Peak Area
Ethanol	1.360	176.230
n-Propanol	2.440	174.979

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325760-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:48:03 PM
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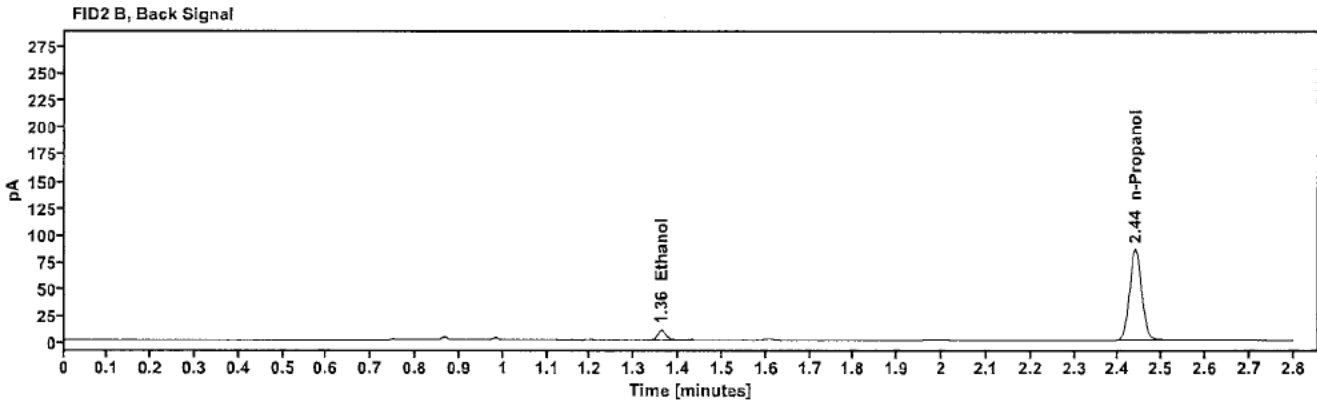
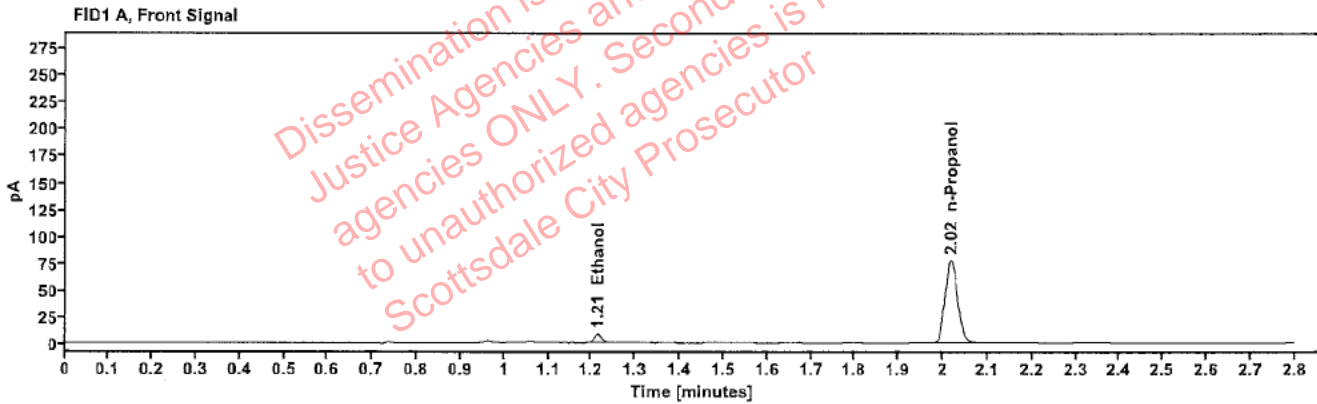


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0187	1.214	10.800
n-Propanol	-----	2.017	154.541

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

Compound	Time (min)	Peak Area
Ethanol	1.361	12.349
n-Propanol	2.439	168.357

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325760-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:52:04 PM
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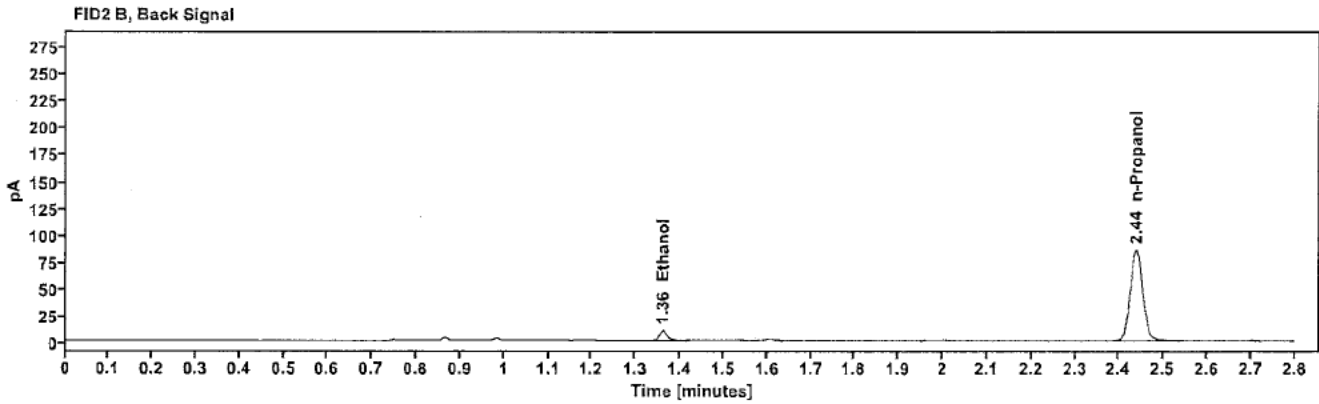
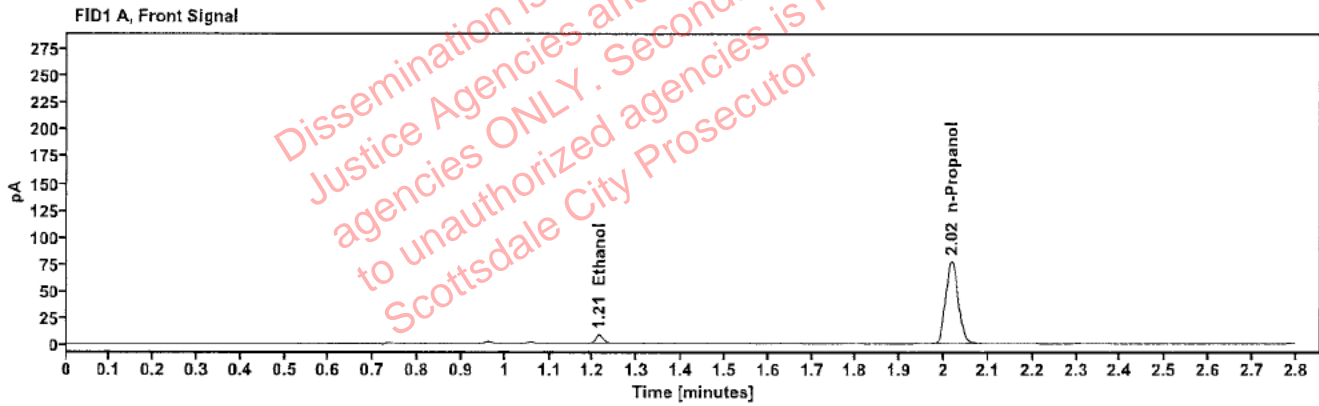


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0187	1.213	10.645
n-Propanol	—	2.017	152.759

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

Compound	Time (min)	Peak Area
Ethanol	1.361	12.105
n-Propanol	2.438	167.647

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325765-2	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 1:56:04 PM
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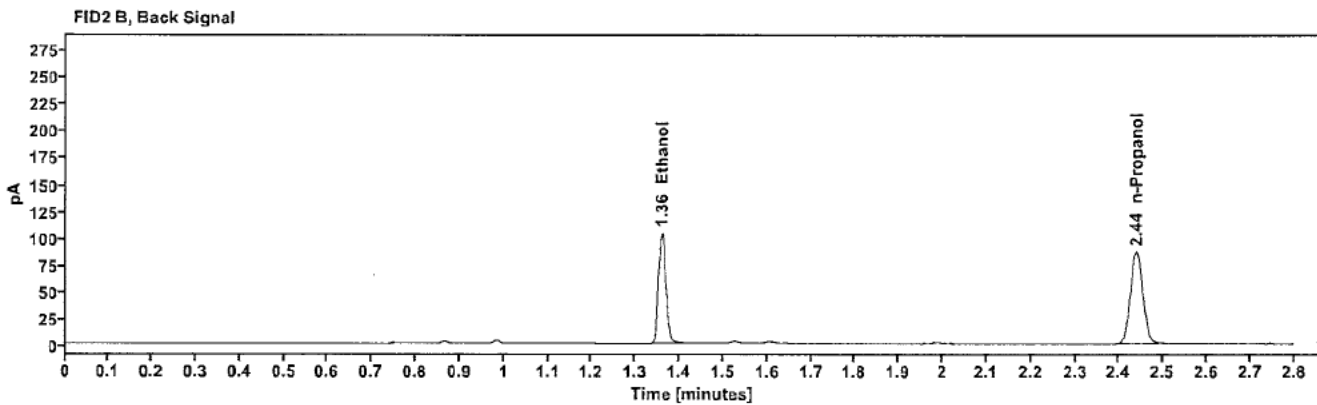
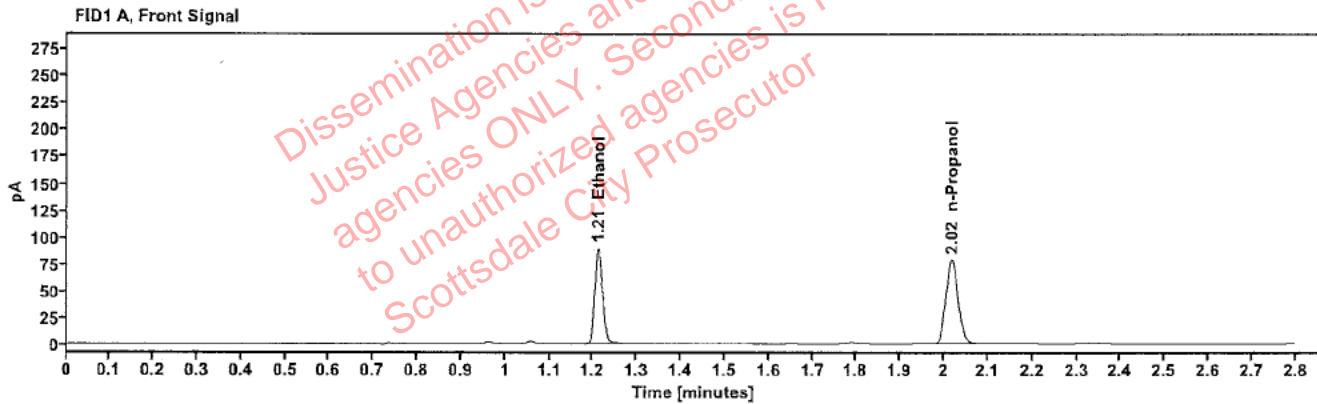


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1800	1.211	113.350
n-Propanol	---	2.017	156.254

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

Compound	Time (min)	Peak Area
Ethanol	1.359	124.778
n-Propanol	2.439	169.830

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2325765-2	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	20Dec23
Instrument:	US14173023 CN14160045	Injection date:	12/20/2023 2:00:03 PM
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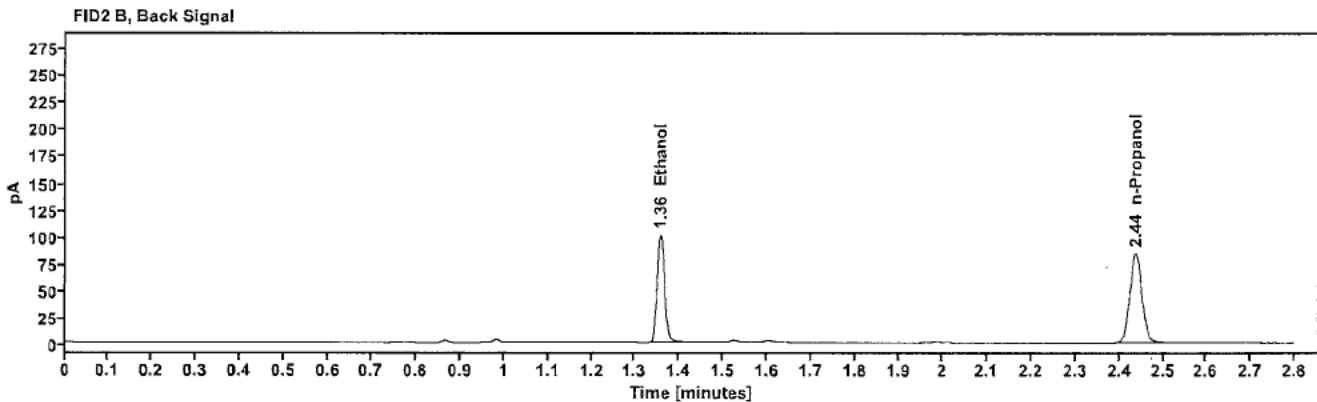
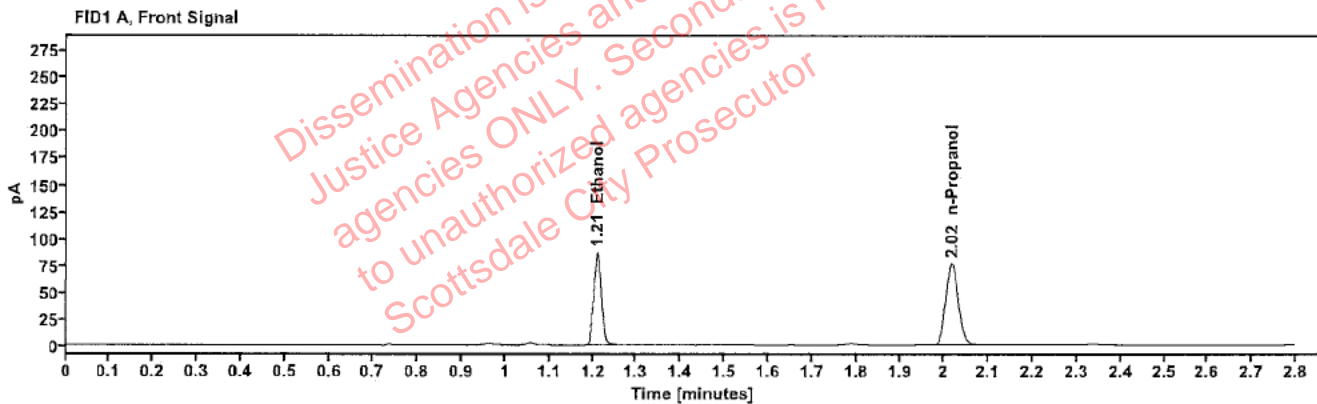


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1792	1.210	109.437
n-Propanol	-----	2.016	151.582

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

Compound	Time (min)	Peak Area
Ethanol	1.357	120.610
n-Propanol	2.437	165.176