

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 9/13/23 SEQUENCE NAME 13Sep23

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 0.99978
 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 mix	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	0.038 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/11
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	0.398 g/dL	Lipomed 30012020-A
43	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
44	Blood control	0.199 g/dL	0.199 g/dL	ACQ 4110320133/11
45	Blank	Not detected	Not detected	SPD Lab 060223AQ

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid Philip B... Analyst
 Run valid Run invalid ... Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

PB

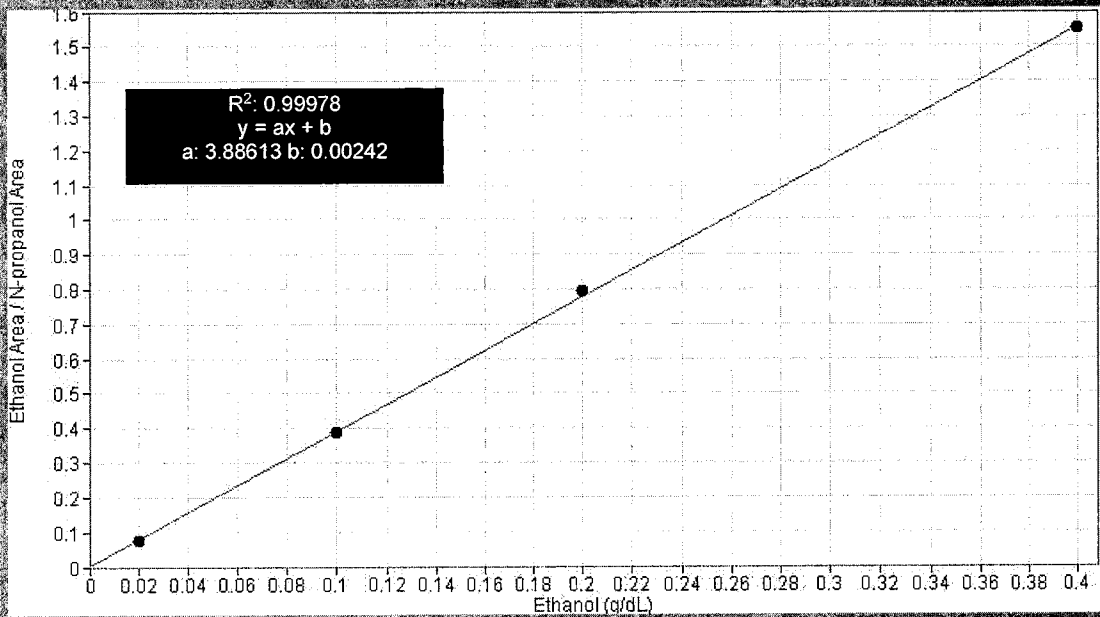
SEQUENCE NAME: 13Sep23

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 011823VWB	5	negative	negative	-	-
0.400 30012020-A	7	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.038	0.040	5.00	-0.002
0.199 4110320133/11	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 30012020-A	42	0.398	0.400	0.50	-0.002
0.040 14082019-B	43	0.039	0.040	2.50	-0.001
0.199 4110320133/11	44	0.199	0.199	0.00	0.000
blank 060223AQ	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.192	159.302	0.077
0.100	60.237	155.961	0.386
0.200	130.004	163.789	0.794
0.400	237.320	152.989	1.551

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03122113	Vial:	1
Description:	0.020 calibrator	Sequence:	13Sep23
Method:	ethanol quant.M	Injection date:	9/13/2023 10:33:00 AM
Instrument:	US14173023 CN14160045	Analyst:	Brooke PB
Data file:	C:\Chem32\1\Data\13Sep23\1.D		

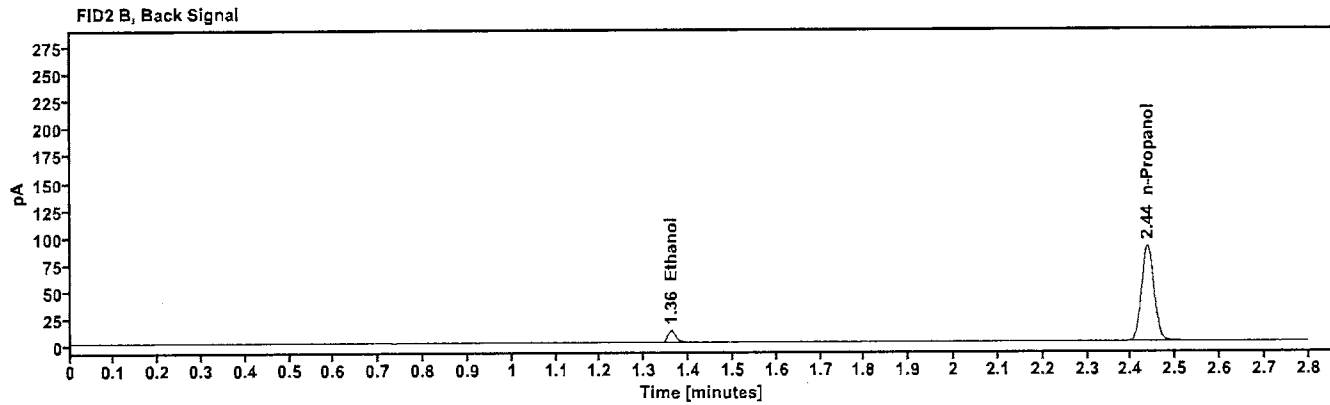
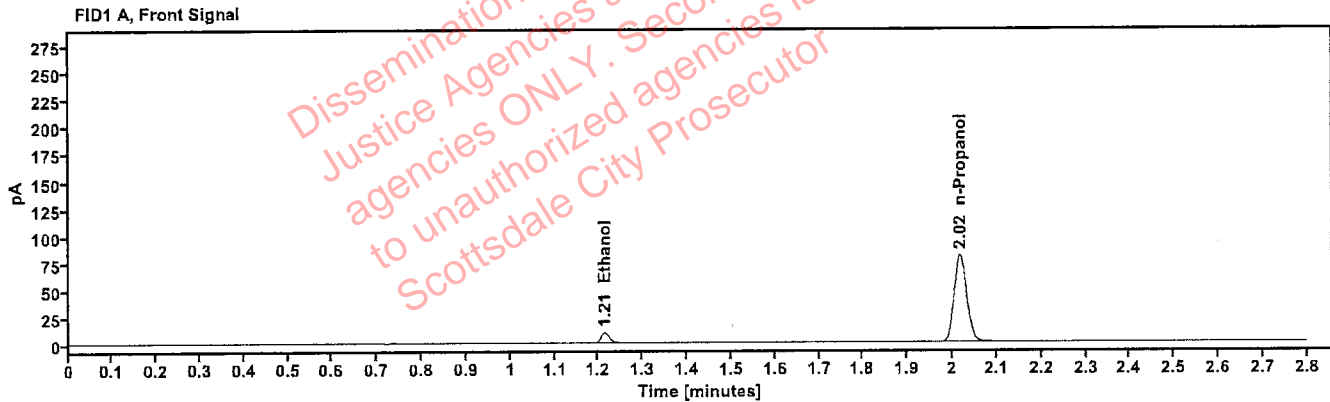


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.214	12.192
n-Propanol	2.017	159.302

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

Compound	Time (min)	Peak Area
Ethanol	1.360	13.351
n-Propanol	2.437	174.004

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN11172002	Vial: 2
Description: 0.100 calibrator	Sequence: 13Sep23
Method: ethanol quant.M	Injection date: 9/13/2023 10:37:00 AM
Instrument: US14173023 CN14160045	Analyst: Brooke PB
Data file: C:\Chem32\1\Data\13Sep23\2.D	

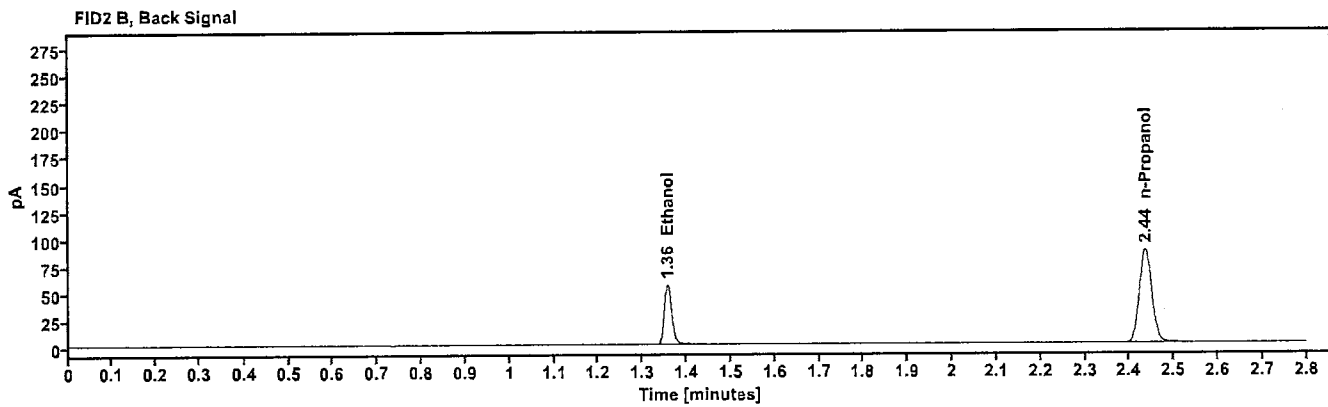
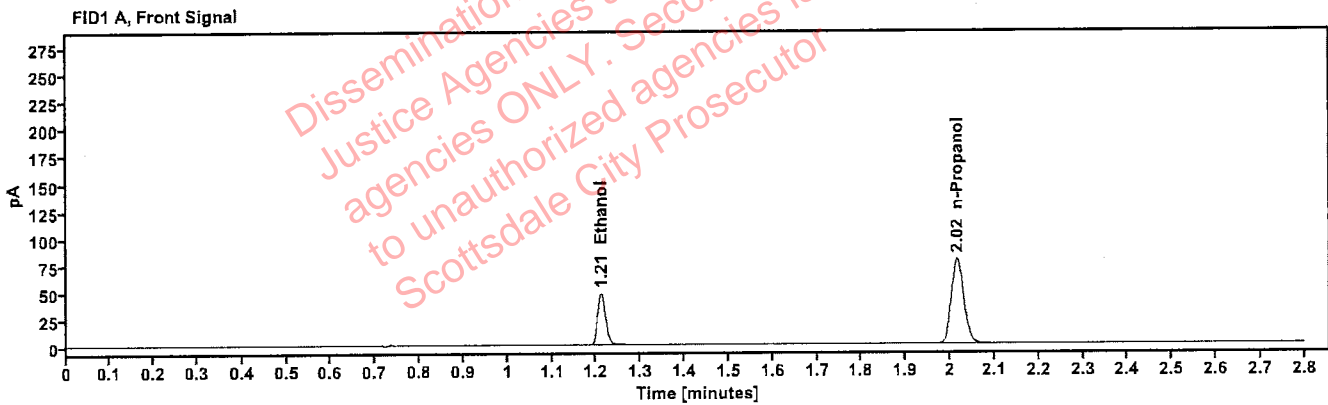


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	60.237
n-Propanol	2.016	155.961

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

Compound	Time (min)	Peak Area
Ethanol	1.357	66.076
n-Propanol	2.435	170.416

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03132302	Vial: 3
Description: 0.200 calibrator	Sequence: 13Sep23
Method: ethanol quant.M	Injection date: 9/13/2023 10:41:00 AM
Instrument: US14173023 CN14160045	Analyst: Brooke PB
Data file: C:\Chem32\1\Data\13Sep23\3.D	

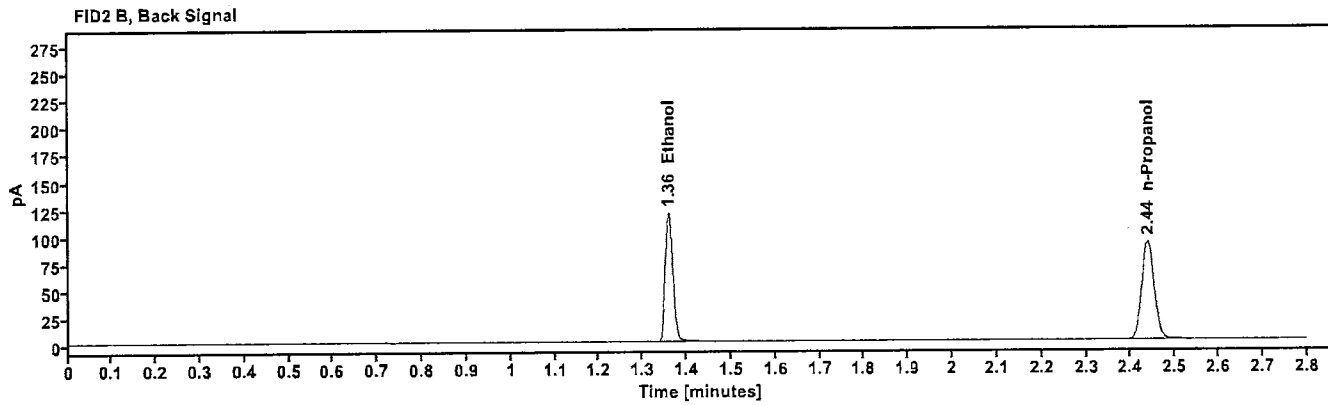
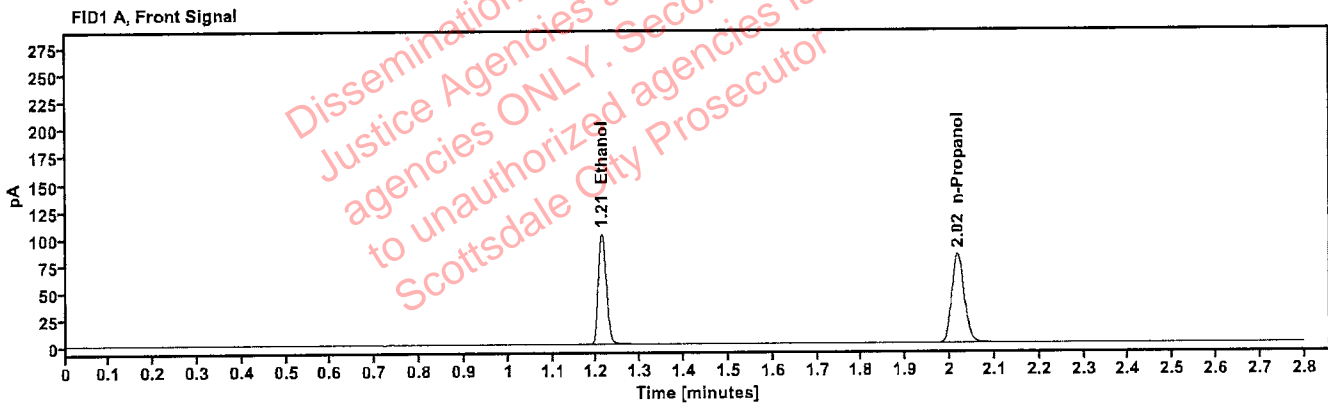


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	130.004
n-Propanol	2.018	163.789

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

Compound	Time (min)	Peak Area
Ethanol	1.360	142.864
n-Propanol	2.438	178.992

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03052102	Vial: 4
Description: 0.400 calibrator	Sequence: 13Sep23
Method: ethanol quant.M	Injection date: 9/13/2023 10:45:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke PB
Data file: C:\Chem32\11\Data\13Sep23\4.D	

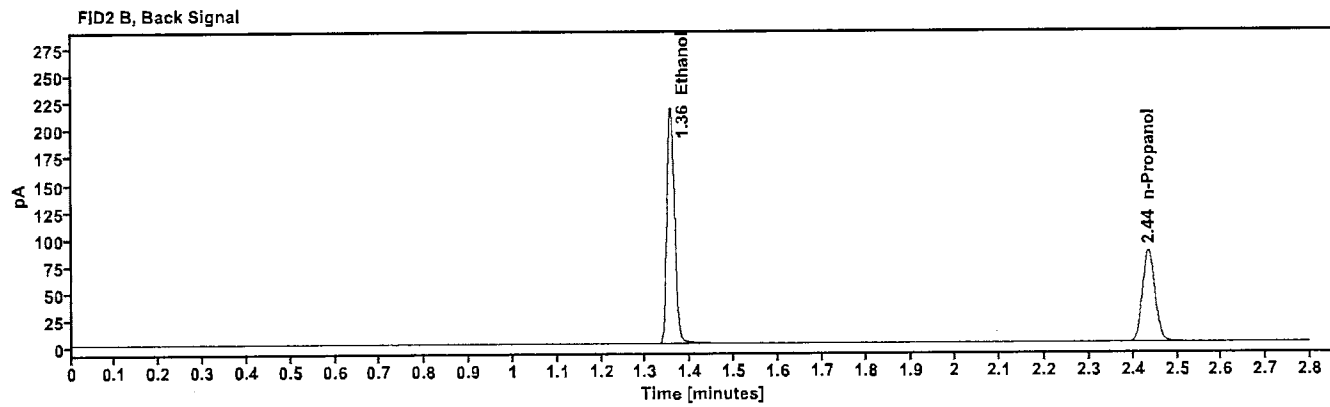
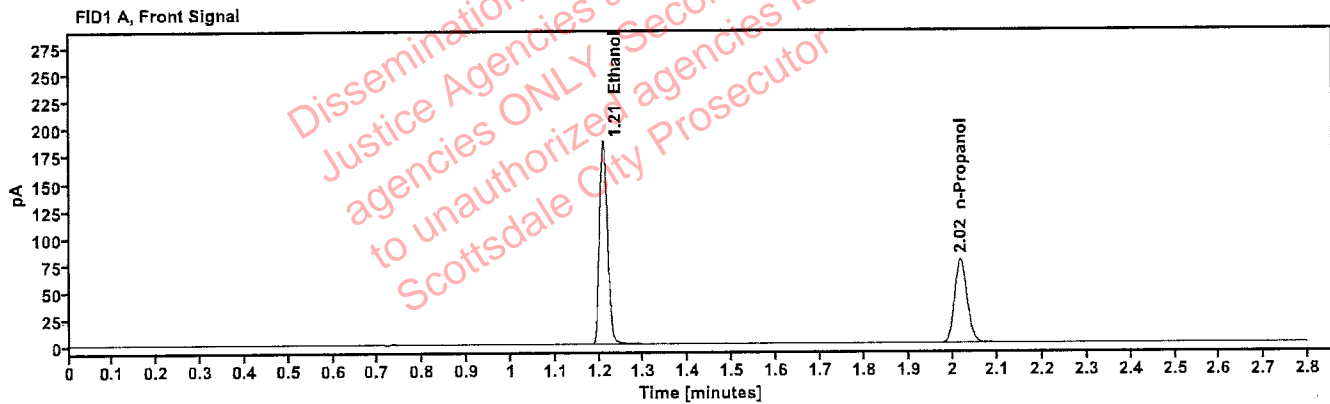


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	237.320
n-Propanol	2.016	152.989

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

Compound	Time (min)	Peak Area
Ethanol	1.356	261.739
n-Propanol	2.435	167.251

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 011823WB	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 10:49:00 AM
Data file: C:\Chem32\1\Data\13Sep23\5.D	Analyst: Brooke

PB

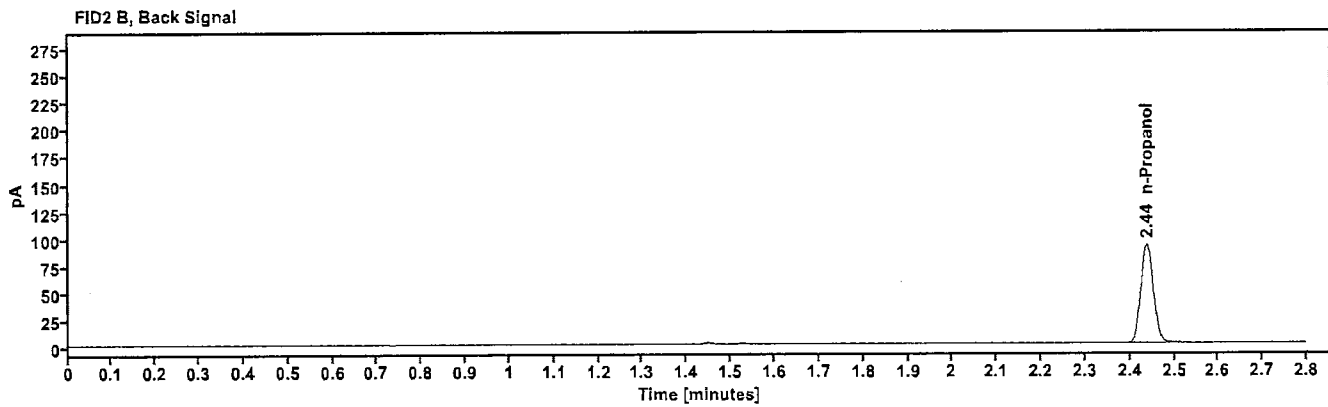
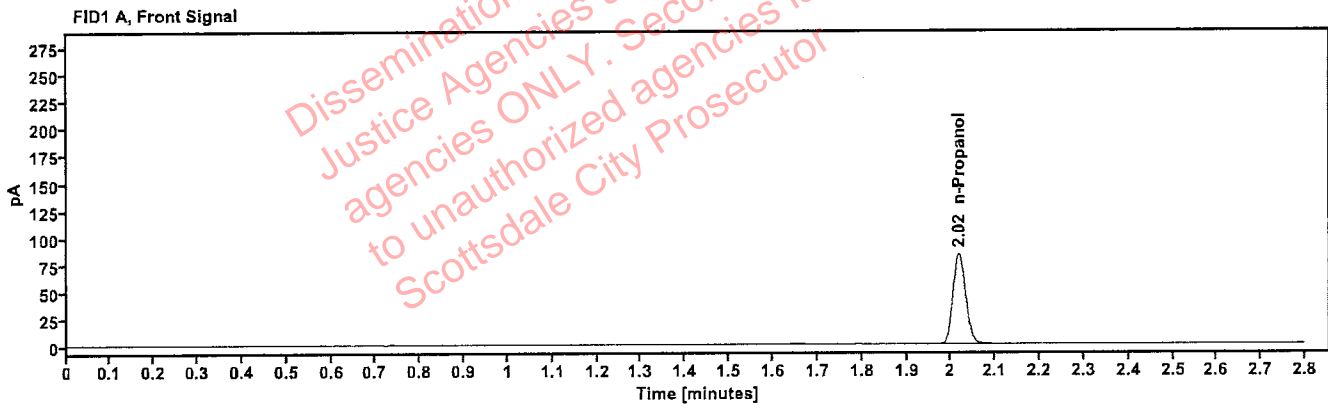


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.018	164.984

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

Compound	Time (min)	Peak Area
n-Propanol	2.438	180.439

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 10:53:00 AM
Data file: C:\Chem32\1\Data\13Sep23\6.D	Analyst: Brooke

PB

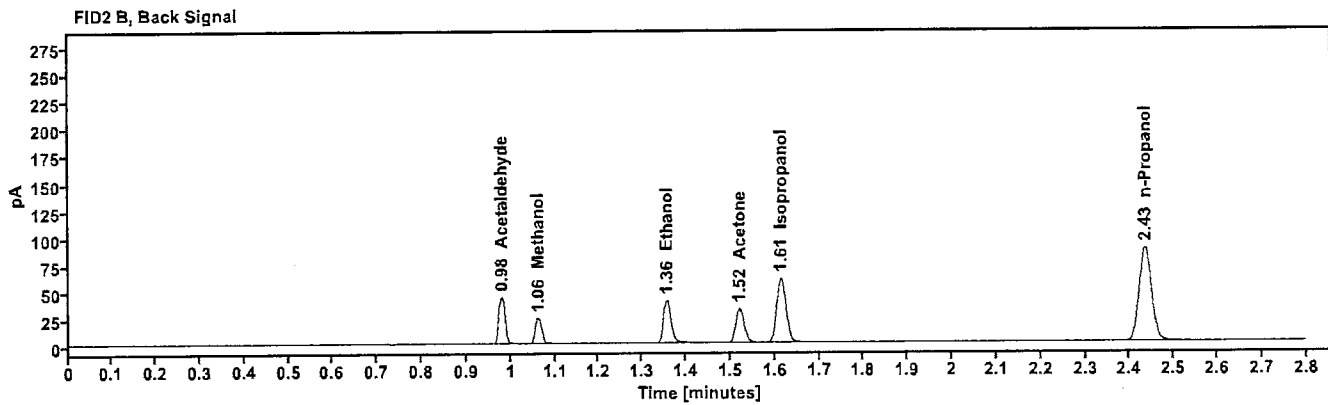
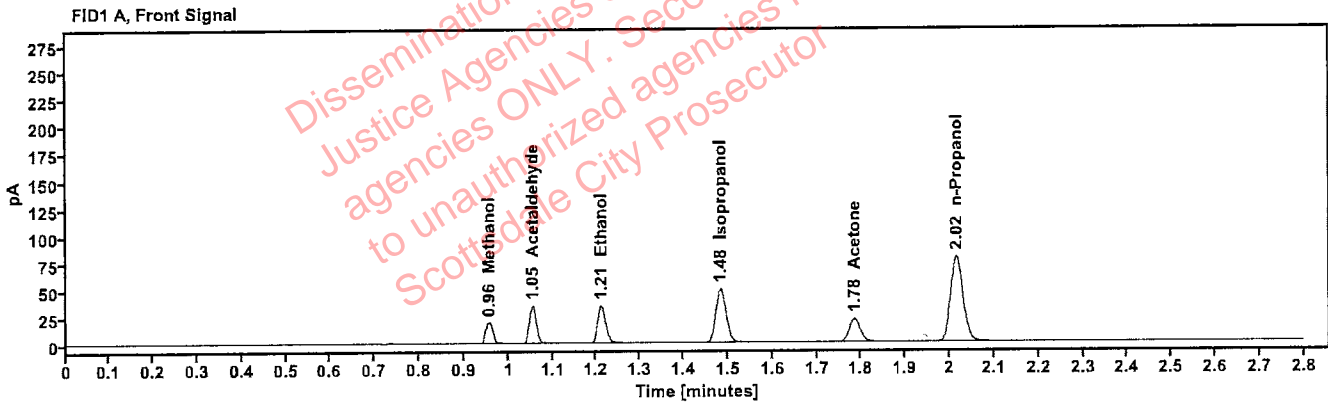


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	22.193
Acetaldehyde	-----	1.055	37.815
>Ethanol	0.0711	1.210	43.698
Isopropanol	-----	1.484	79.446
Acetone	-----	1.784	37.408
n-Propanol	-----	2.016	156.799

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.980	42.370
Methanol	1.062	24.723
Ethanol	1.357	47.907
Acetone	1.521	41.229
Isopropanol	1.615	88.142
n-Propanol	2.435	171.369

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 10:57:16 AM
Data file: C:\Chem32\1\Data\13Sep23\7.D	Analyst: Brooke

PB

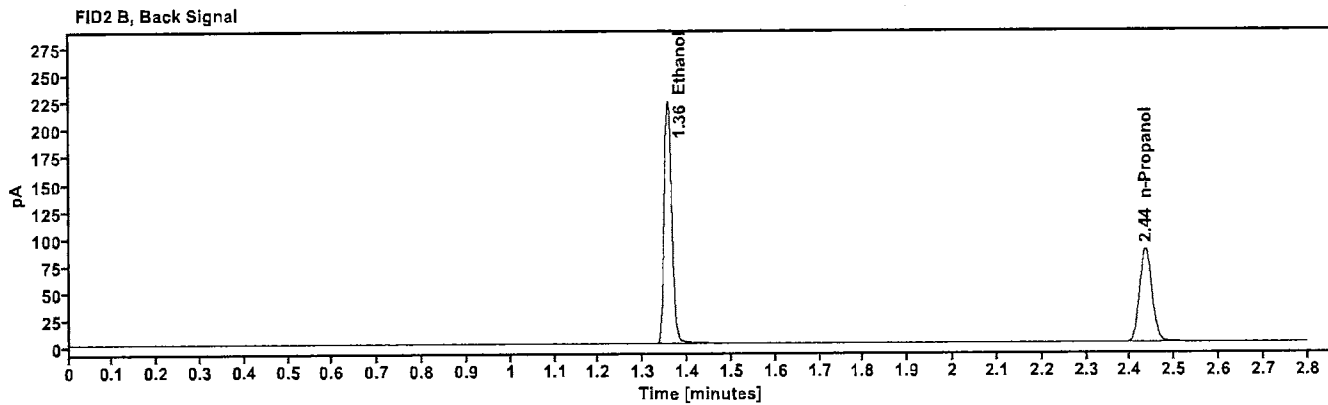
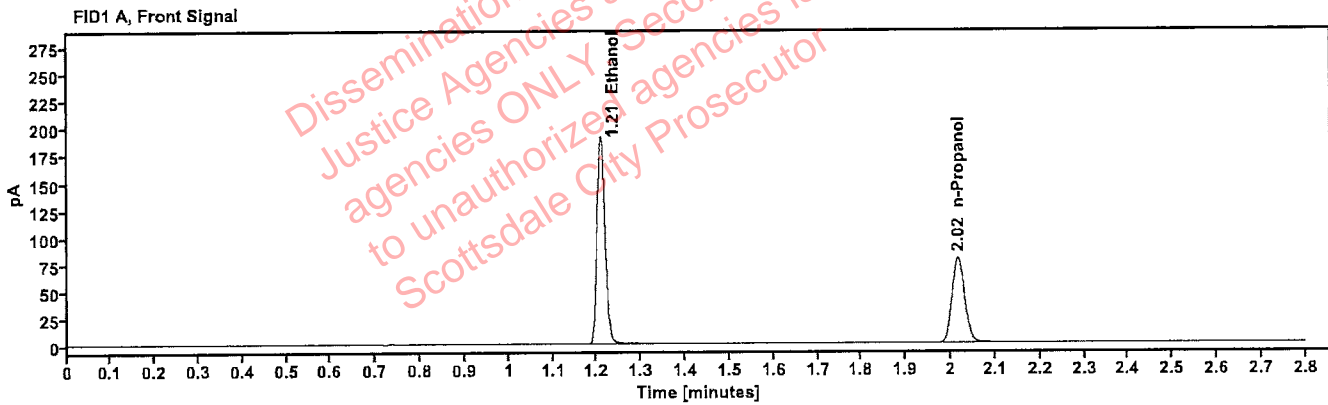


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3987	1.209	242.803
n-Propanol	-----	2.016	156.458

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

Compound	Time (min)	Peak Area
Ethanol	1.356	267.547
n-Propanol	2.435	170.886

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:01:16 AM
Data file:	C:\Chem32\1\Data\13Sep23\8.D	Analyst:	Brooke

PB

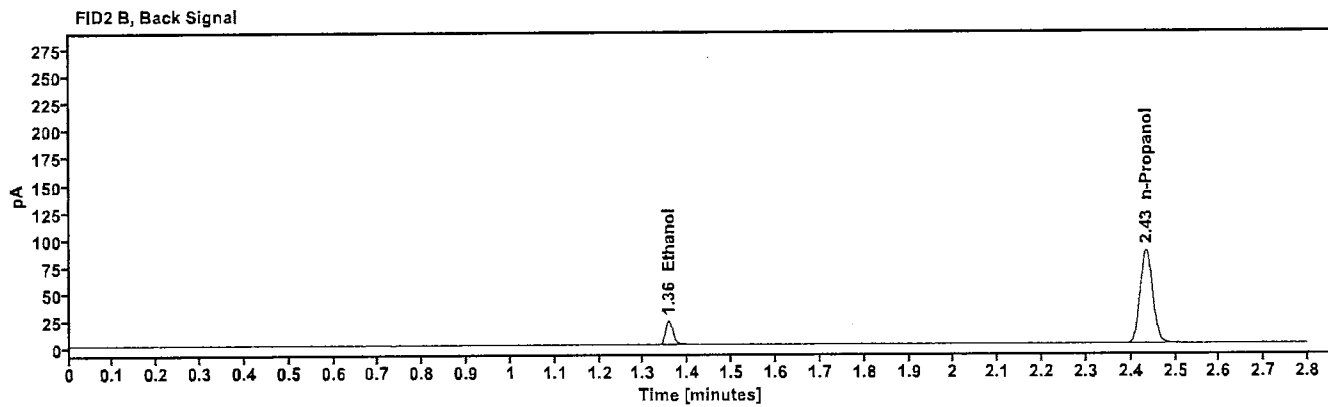
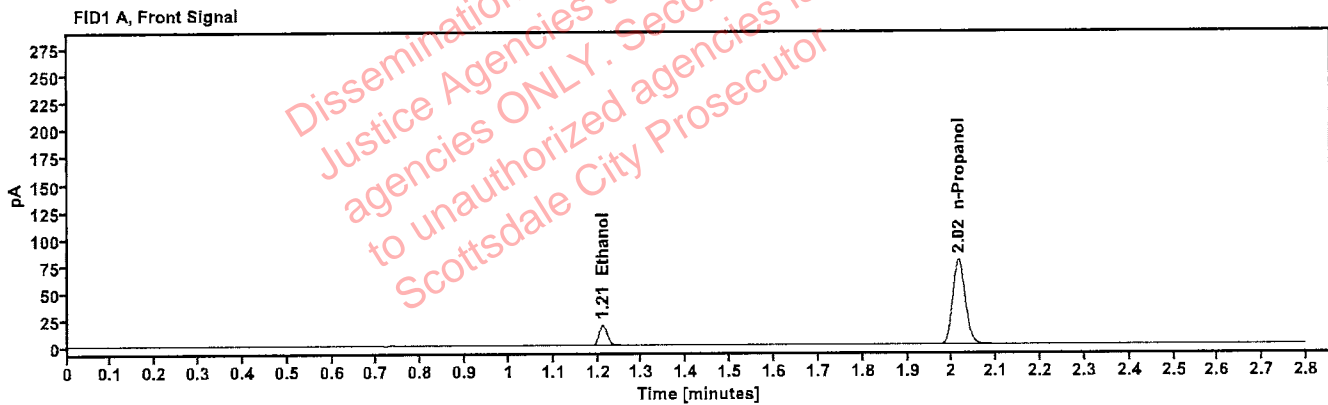


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0389	1.211	23.907
n-Propanol	---	2.015	155.606

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

Compound	Time (min)	Peak Area
Ethanol	1.356	26.197
n-Propanol	2.434	170.192

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 11:05:16 AM
Data file: C:\Chem32\1\Data\13Sep23\9.D	Analyst: Brooke

PB

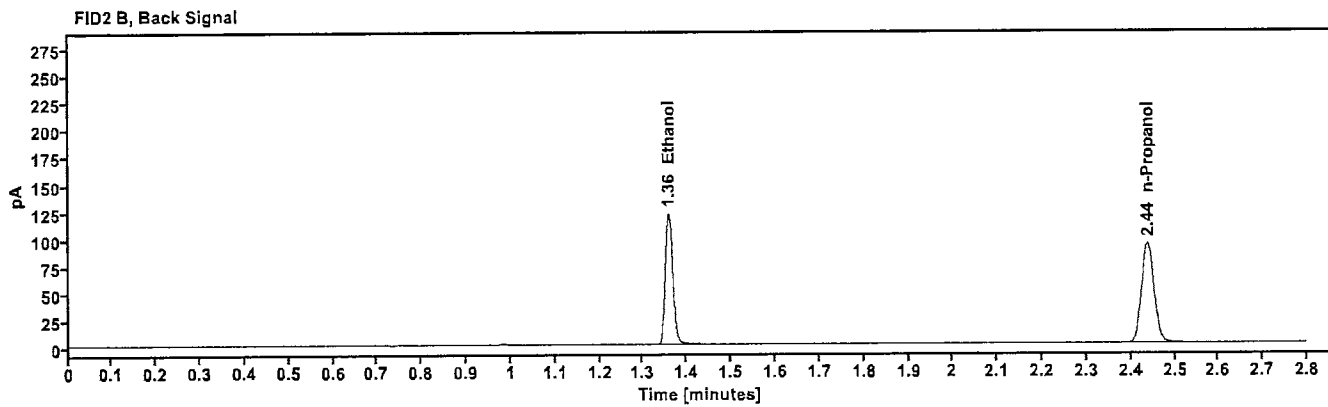
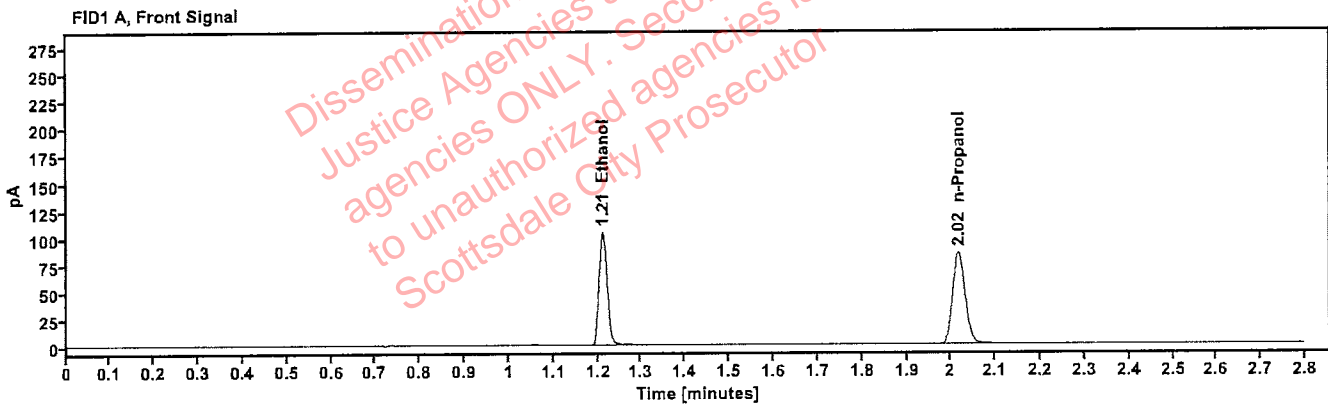


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.212	132.607
n-Propanol	-----	2.018	167.532

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

Compound	Time (min)	Peak Area
Ethanol	1.359	145.737
n-Propanol	2.438	183.111

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 11:49:45 AM
Data file: C:\Chem32\1\Data\13Sep23\20.D	Analyst: Brooke PB

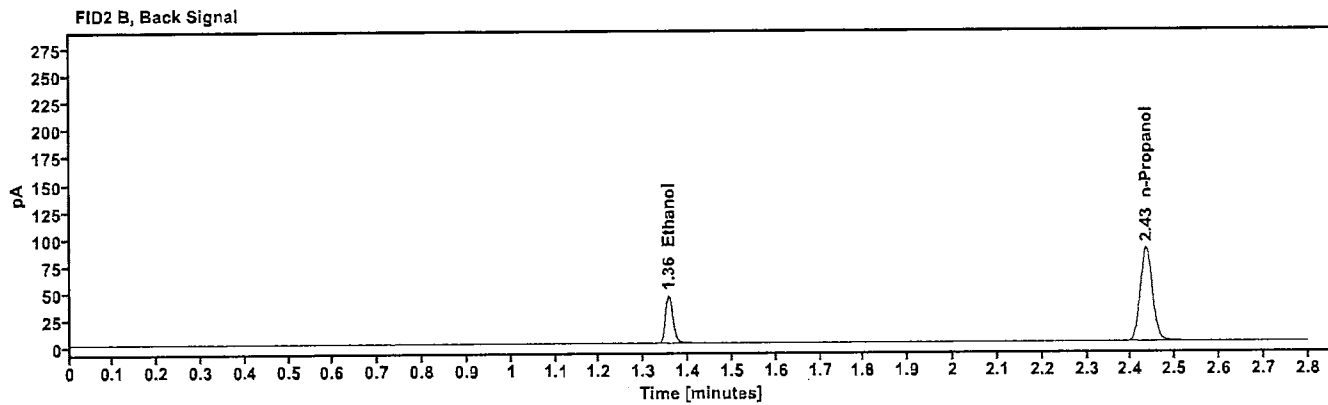
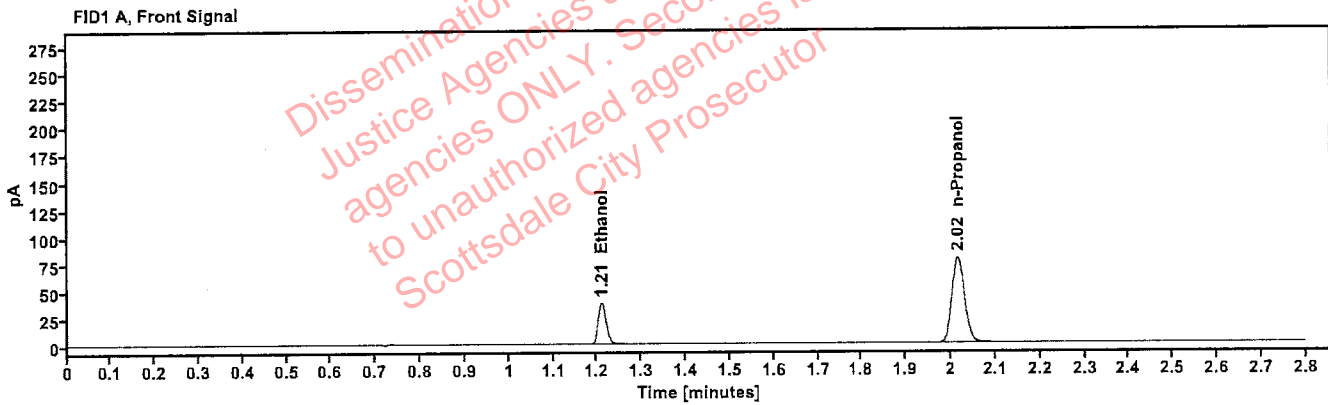


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0786	1.210	48.199
n-Propanol	-----	2.016	156.476

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

Compound	Time (min)	Peak Area
Ethanol	1.356	52.871
n-Propanol	2.435	171.091

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	Vial:	31
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:34:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\31.D	Analyst:	Brooke

PB

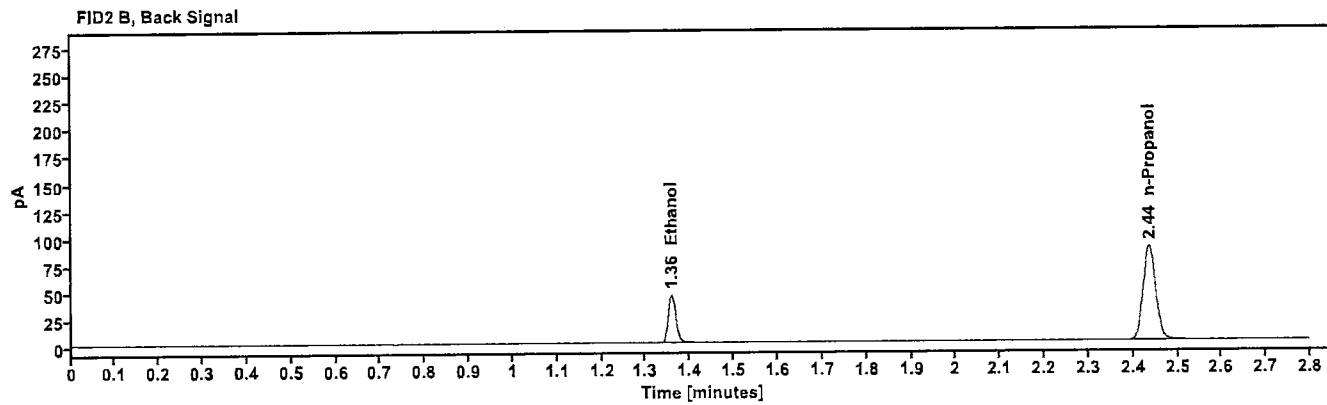
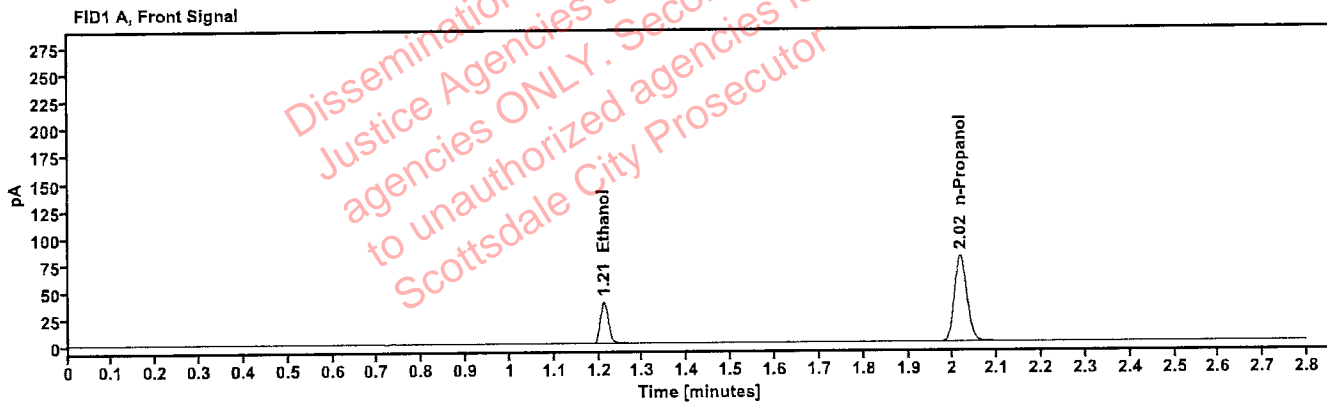


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0789	1.211	48.686
n-Propanol	-----	2.017	157.638

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

Compound	Time (min)	Peak Area
Ethanol	1.358	53.495
n-Propanol	2.437	172.194

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 30012020-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 1:18:31 PM
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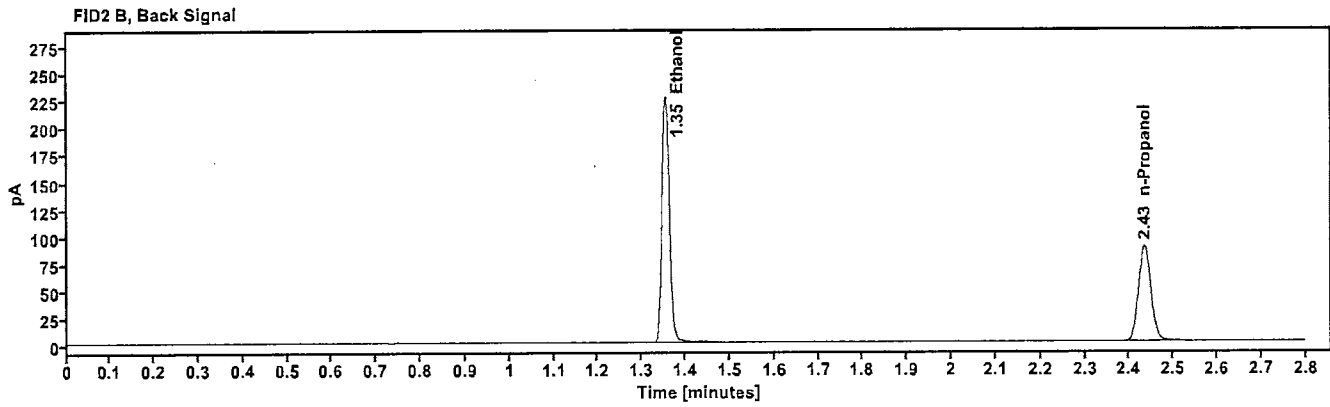
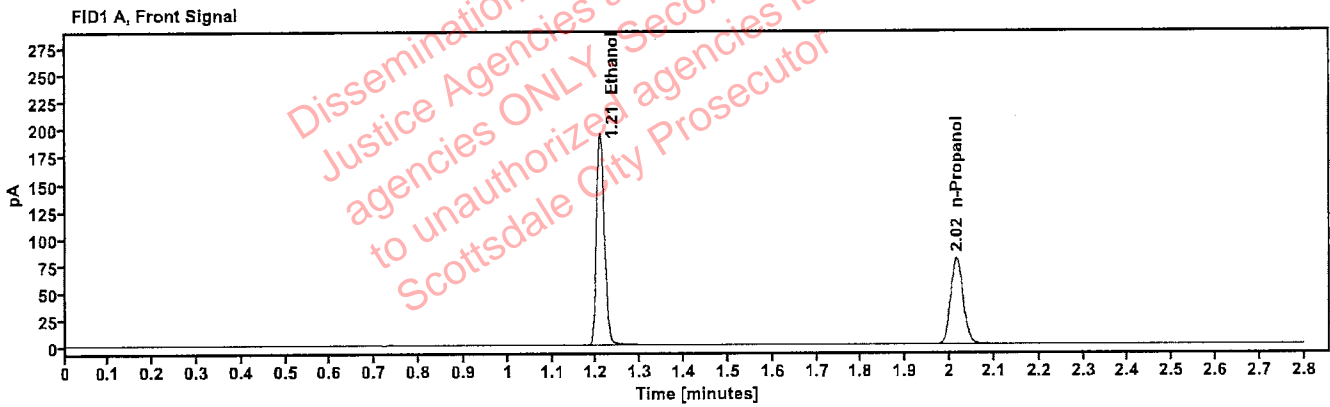


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3989	1.208	246.965
n-Propanol	-----	2.015	159.057

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

Compound	Time (min)	Peak Area
Ethanol	1.355	272.578
n-Propanol	2.434	174.056

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 1:22:46 PM
Data file: C:\Chem32\1\Data\13Sep23\43.D	Analyst: Brooke PB

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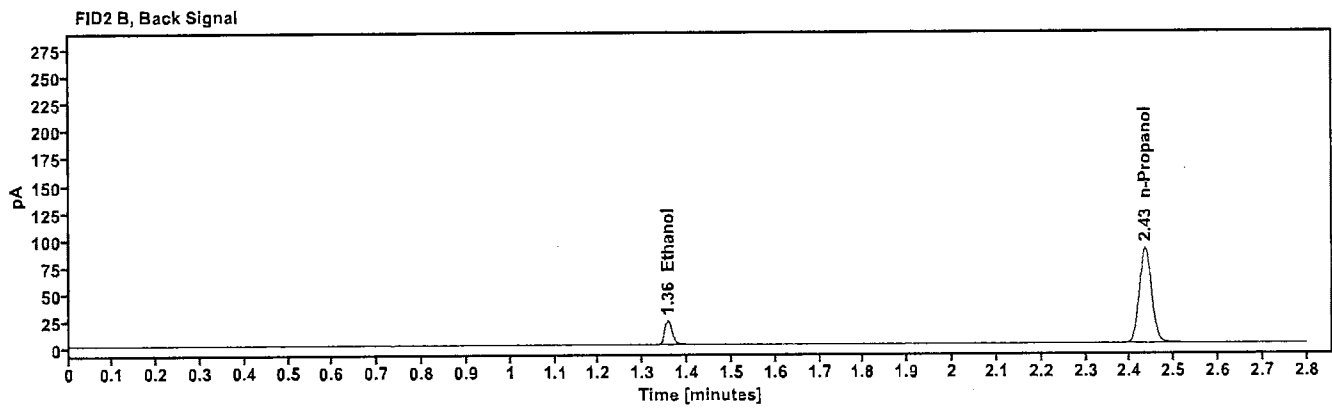
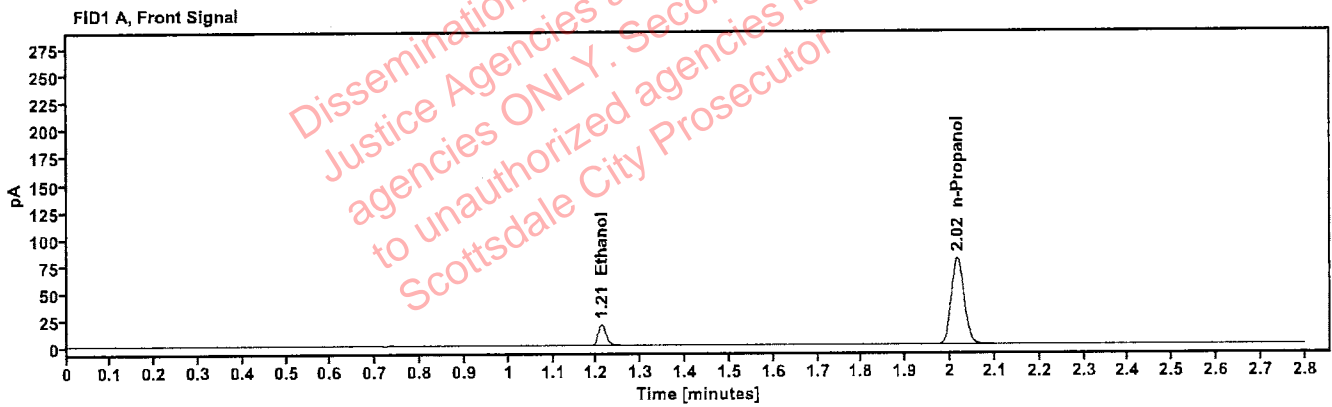


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0391	1.211	24.554
n-Propanol	-----	2.016	159.073

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

Compound	Time (min)	Peak Area
Ethanol	1.356	26.921
n-Propanol	2.434	174.059

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/11	Vial: 44
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 1:26:46 PM
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PB

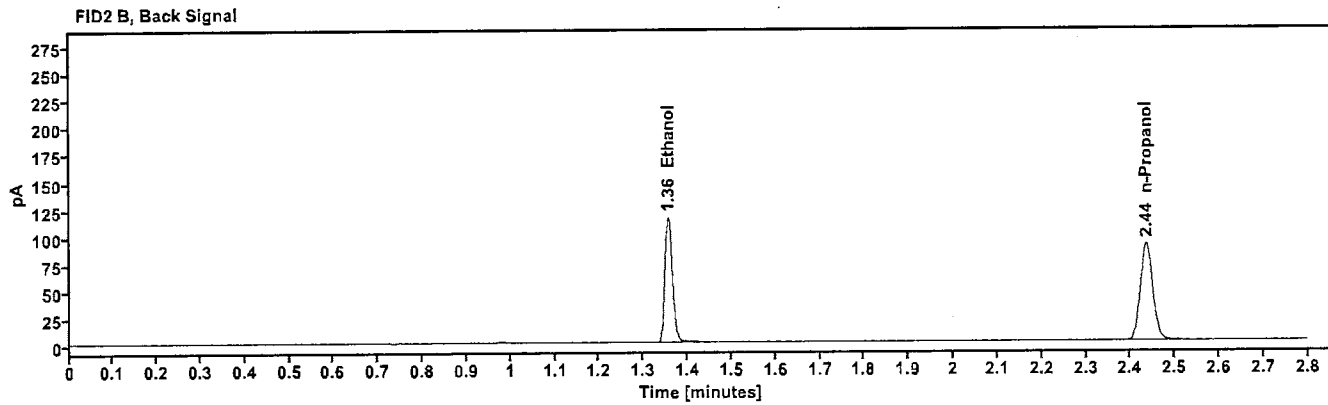
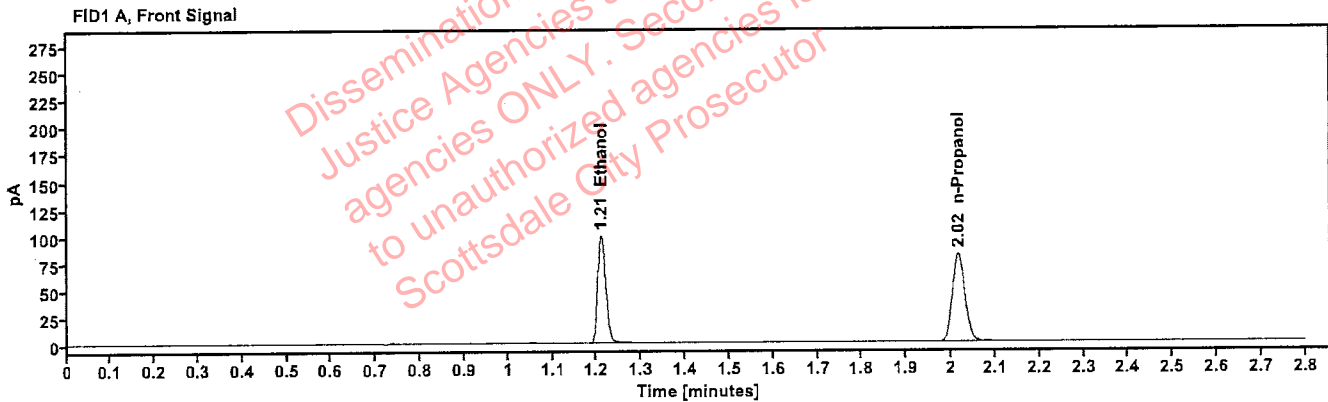


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1994	1.210	125.587
n-Propanol	-----	2.016	161.581

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

Compound	Time (min)	Peak Area
Ethanol	1.356	137.936
n-Propanol	2.436	176.652

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 060223AQ	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 13Sep23
Instrument: US14173023 CN14160045	Injection date: 9/13/2023 1:30:46 PM
Data file: C:\Chem32\1\Data\13Sep23\45.D	Analyst: Brooke PB

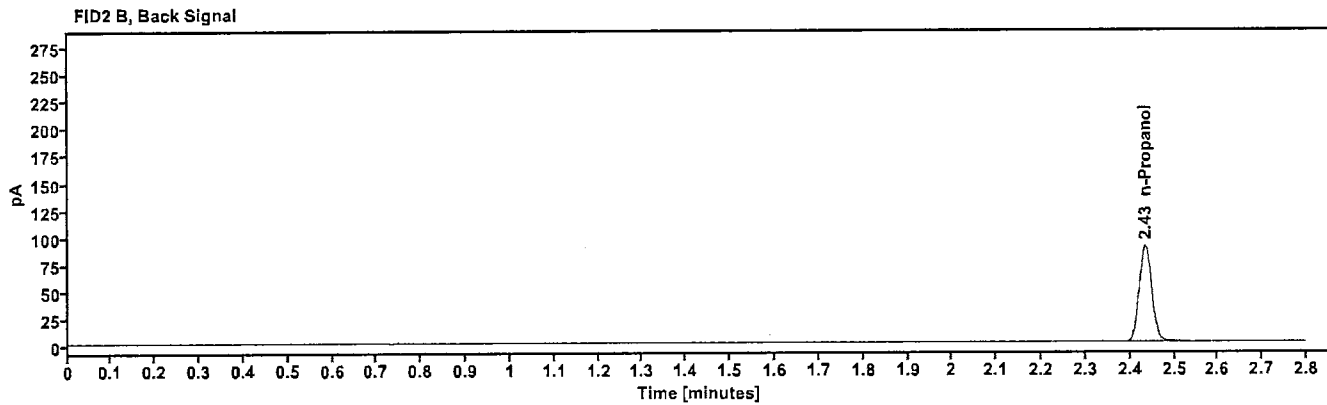
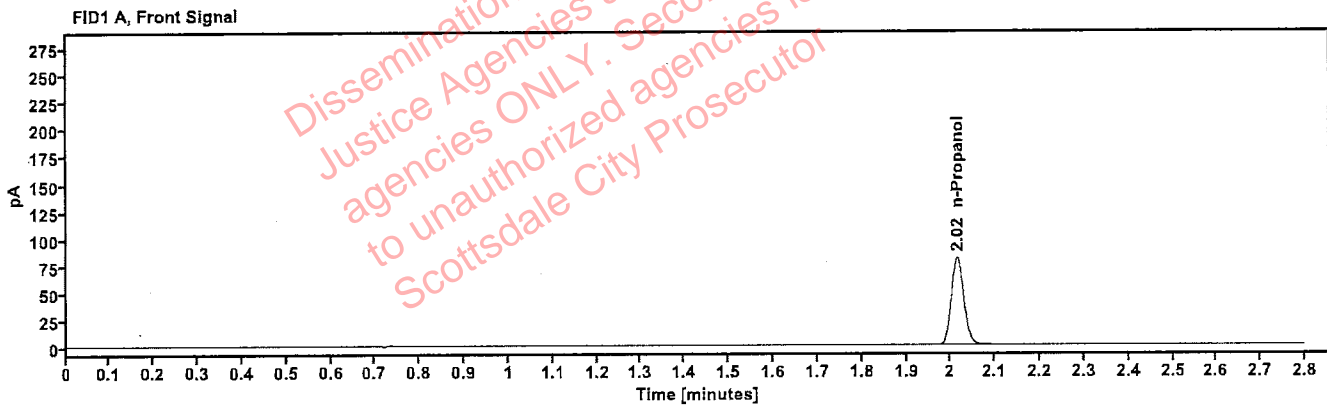


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.015	160.254

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

Compound	Time (min)	Peak Area
n-Propanol	2.434	175.111

Sequence Summary

Sequence name: 13Sep23 Instrument: US14173023 CN14160045 Analyst: Brooke

PB

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	2316976-2		Sample		ethanol quant.M
11	2316976-2		Sample		ethanol quant.M
12	2318101-3		Sample		ethanol quant.M
13	2318101-3		Sample		ethanol quant.M
14	2318179-2		Sample		ethanol quant.M
15	2318179-2		Sample		ethanol quant.M
16	2317038-1		Sample		ethanol quant.M
17	2317038-1		Sample		ethanol quant.M
18	2318265-2		Sample		ethanol quant.M
19	2318265-2		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	2318475-2		Sample		ethanol quant.M
22	2318475-2		Sample		ethanol quant.M
23	2318482-1		Sample		ethanol quant.M
24	2318482-1		Sample		ethanol quant.M
25	2318259-1		Sample		ethanol quant.M
26	2318259-1		Sample		ethanol quant.M
27	2318335-2		Sample		ethanol quant.M
28	2318335-2		Sample		ethanol quant.M
29	2318358-2		Sample		ethanol quant.M
30	2318358-2		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	2318264-2		Sample		ethanol quant.M
33	2318264-2		Sample		ethanol quant.M
34	2318350-1		Sample		ethanol quant.M
35	2318350-1		Sample		ethanol quant.M
36	2318429-2		Sample		ethanol quant.M
37	2318429-2		Sample		ethanol quant.M
38	2318426-2		Sample		ethanol quant.M
39	2318426-2		Sample		ethanol quant.M
40	2309746-2		Sample		ethanol quant.M
41	2309746-2		Sample		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	060223AQ	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases

PB

SEQUENCE NAME: 13Sep23

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1949	0.1964	0.19565	0.38	0.00075
12 13	0.1422	0.1420	0.14210	0.07	0.00010
14 15	0.2099	0.2083	0.20910	0.38	0.00080
16 17	0.1912	0.1921	0.19165	0.23	0.00045
18 19	0.1428	0.1443	0.14355	0.52	0.00075
21 22	0.0503	0.0498	0.05005	0.50	0.00025
23 24	0.2247	0.2236	0.22415	0.25	0.00055
25 26	0.1516	0.1499	0.15075	0.56	0.00085
27 28	0.1539	0.1528	0.15335	0.36	0.00055
29 30	0.1195	0.1208	0.12015	0.54	0.00065
32 33	0.1071	0.1073	0.10720	0.09	0.00010
34 35	0.2045	0.2041	0.20430	0.10	0.00020
36 37	0.2567	0.2562	0.25645	0.10	0.00025
38 39	0.1064	0.1056	0.10600	0.38	0.00040
40 41	0.1981	0.1990	0.19855	0.23	0.00045

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

Scottsdale Forensic Lab Blood Alcohol Pipetting Log

ANALYST: Brooke

PB

SEQUENCE: 13Sep23

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2316976-2	2316976-2	2316976-2	Yes
Vials 12 and 13	2318101-3	2318101-3	2318101-3	Yes
Vials 14 and 15	2318179-2	2318179-2	2318179-2	Yes
Vials 16 and 17	2317038-1	2317038-1	2317038-1	Yes
Vials 18 and 19	2318265-2	2318265-2	2318265-2	Yes
Vials 21 and 22	2318475-2	2318475-2	2318475-2	Yes
Vials 23 and 24	2318482-1	2318482-1	2318482-1	Yes
Vials 25 and 26	2318259-1	2318259-1	2318259-1	Yes
Vials 27 and 28	2318335-2	2318335-2	2318335-2	Yes
Vials 29 and 30	2318358-2	2318358-2	2318358-2	Yes
Vials 32 and 33	2318264-2	2318264-2	2318264-2	Yes
Vials 34 and 35	2318350-1	2318350-1	2318350-1	Yes
Vials 36 and 37	2318429-2	2318429-2	2318429-2	Yes
Vials 38 and 39	2318426-2	2318426-2	2318426-2	Yes
Vials 40 and 41	2309746-2	2309746-2	2309746-2	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2316976-2	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:09:16 AM
Data file:	C:\Chem32\1\Data\13Sep23\10.D	Analyst:	Brooke

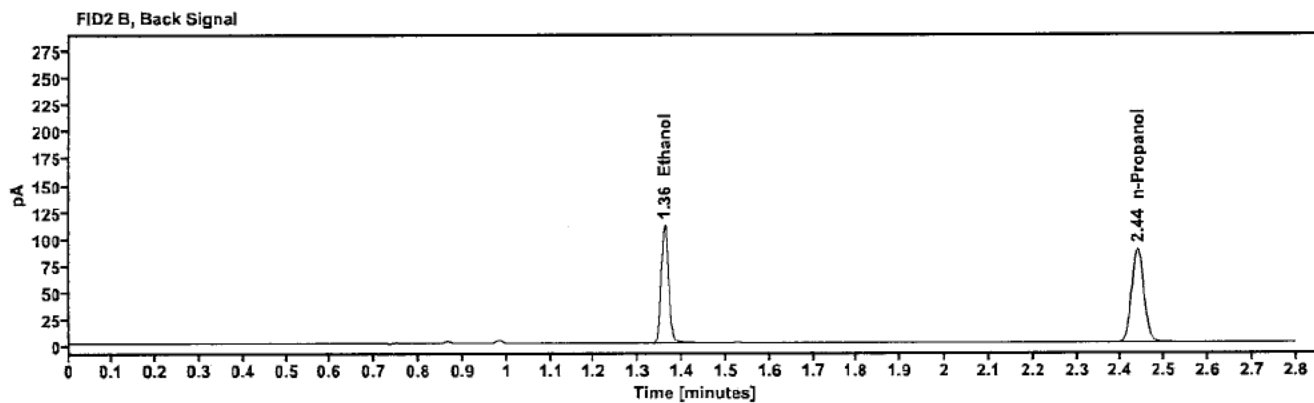
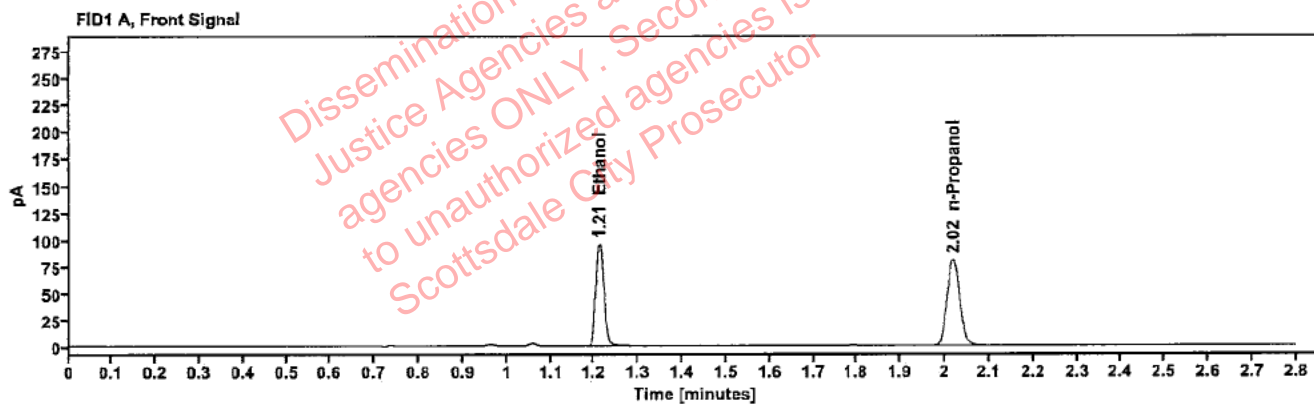


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1949	1.212	121.202
n-Propanol	---	2.018	159.487

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

Compound	Time (min)	Peak Area
Ethanol	1.359	133.195
n-Propanol	2.438	174.372

Brooke, Phillip - (13-Sep-2023)

Case: User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2316976-2	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:13:16 AM
Data file:	C:\Chem32\1\Data\13Sep23\11.D	Analyst:	Brooke

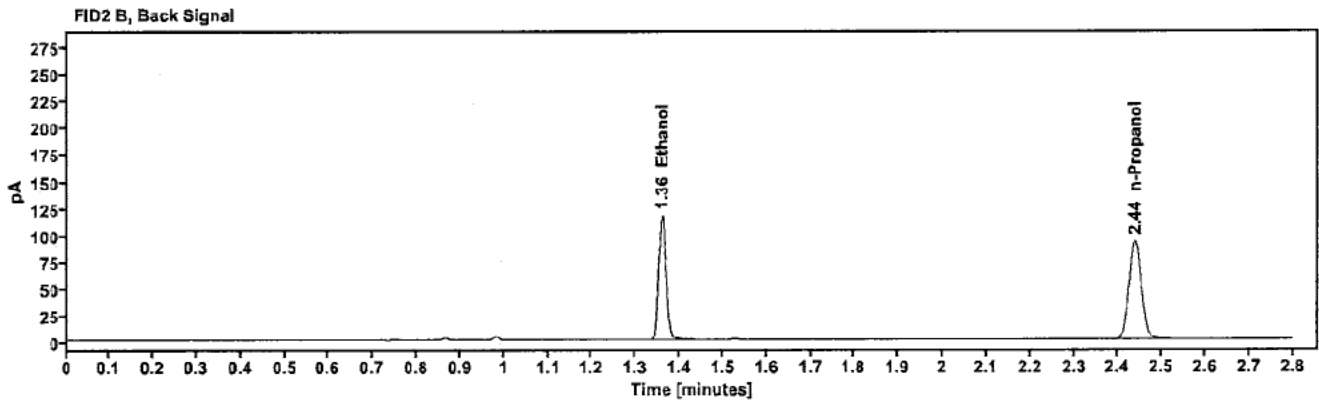
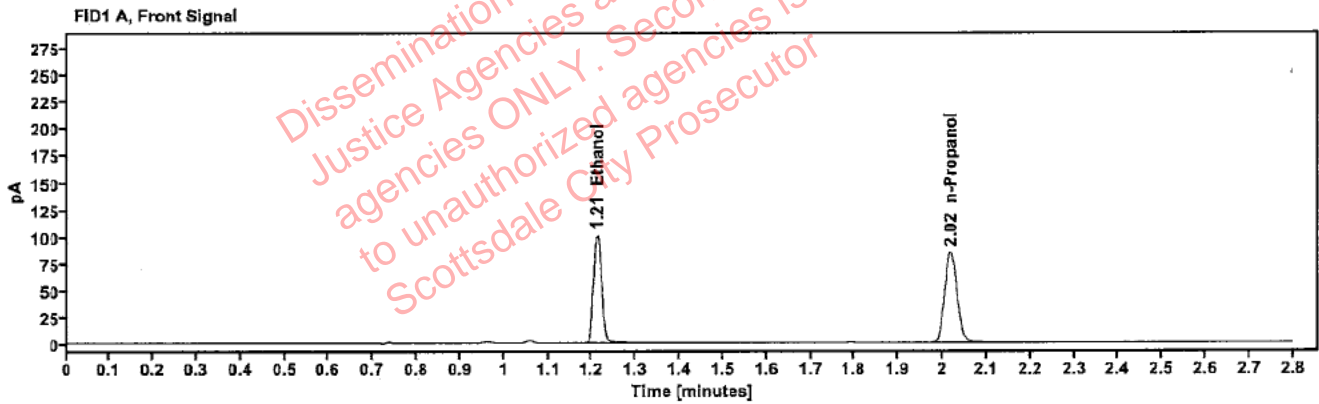


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1964	1.212	127.842
n-Propanol	---	2.018	166.935

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

Compound	Time (min)	Peak Area
Ethanol	1.359	140.439
n-Propanol	2.438	182.498

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318101-3	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:17:15 AM
Data file:	C:\Chem32\1\Data\13Sep23\12.D	Analyst:	Brooke

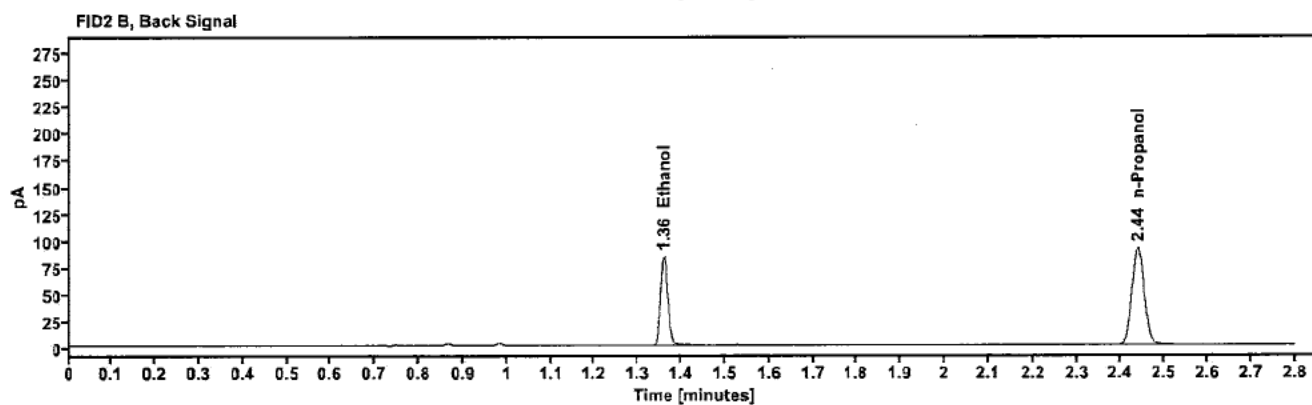
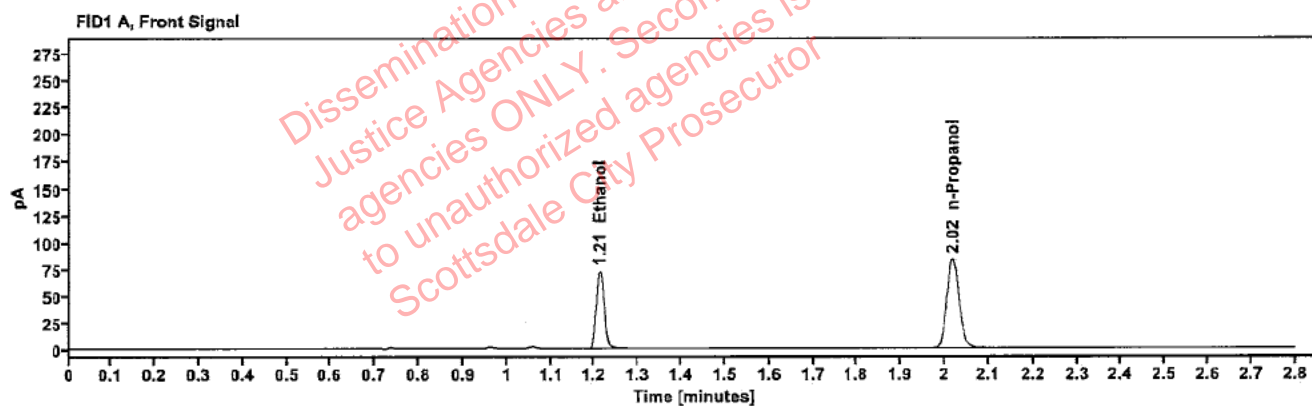


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1422	1.212	91.584
n-Propanol	---	2.018	165.049

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

Compound	Time (min)	Peak Area
Ethanol	1.360	100.430
n-Propanol	2.438	180.287

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318101-3	Vial:	13
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:21:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\13.D	Analyst:	Brooke

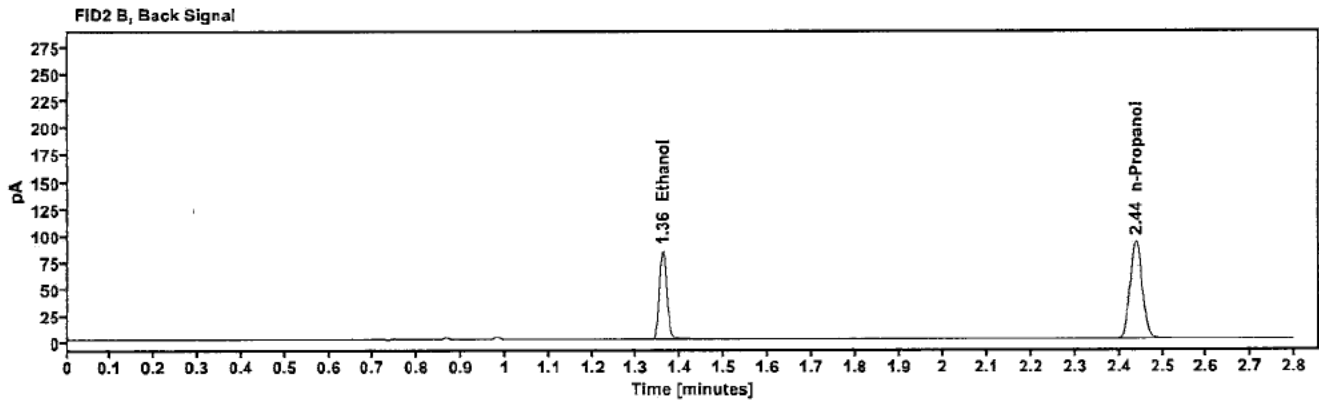
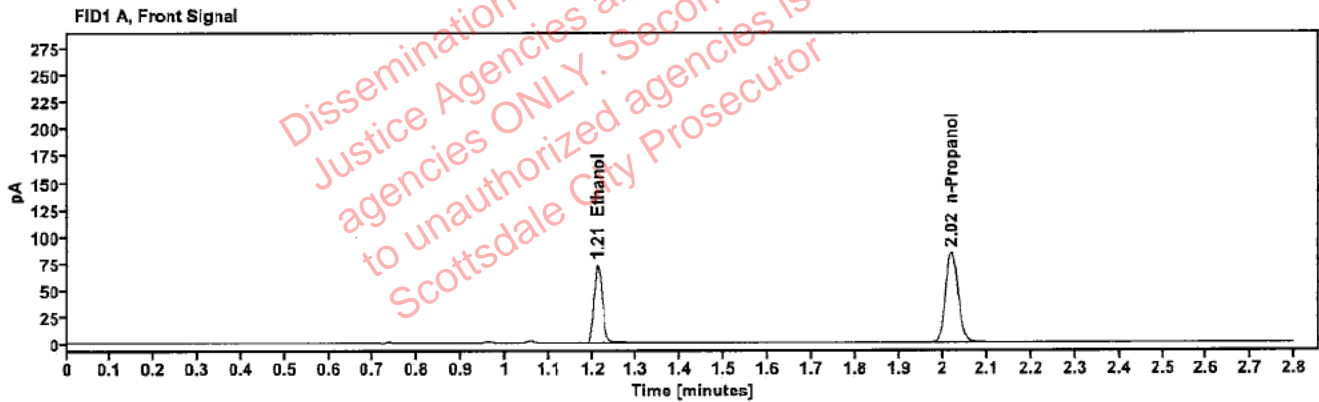


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1420	1.212	92.051
n-Propanol	---	2.018	166.026

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

Compound	Time (min)	Peak Area
Ethanol	1.360	100.831
n-Propanol	2.438	181.248

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318179-2	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:25:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\14.D	Analyst:	Brooke

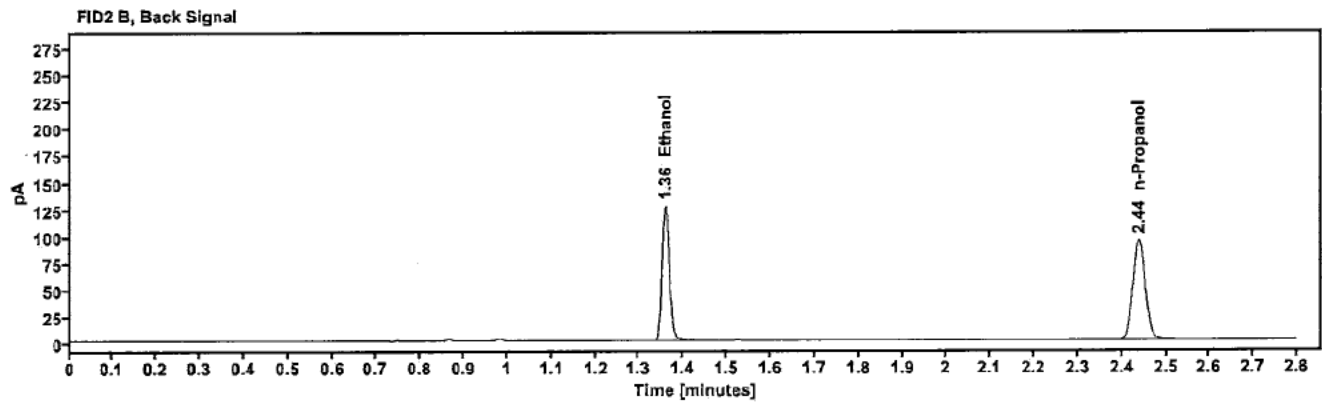
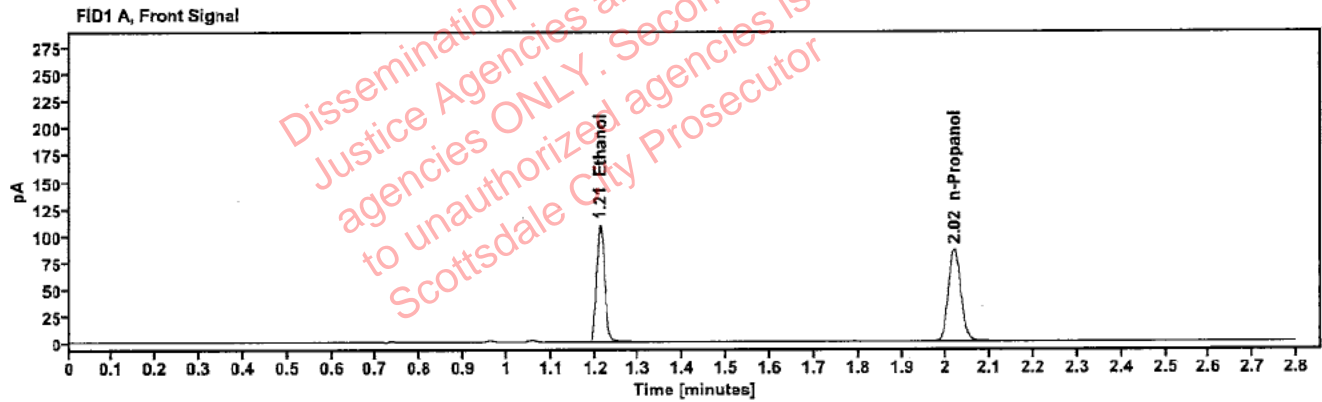


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2099	1.212	138.623
n-Propanol	---	2.018	169.422

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

Compound	Time (min)	Peak Area
Ethanol	1.360	152.141
n-Propanol	2.438	184.963

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318179-2	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:29:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\15.D	Analyst:	Brooke

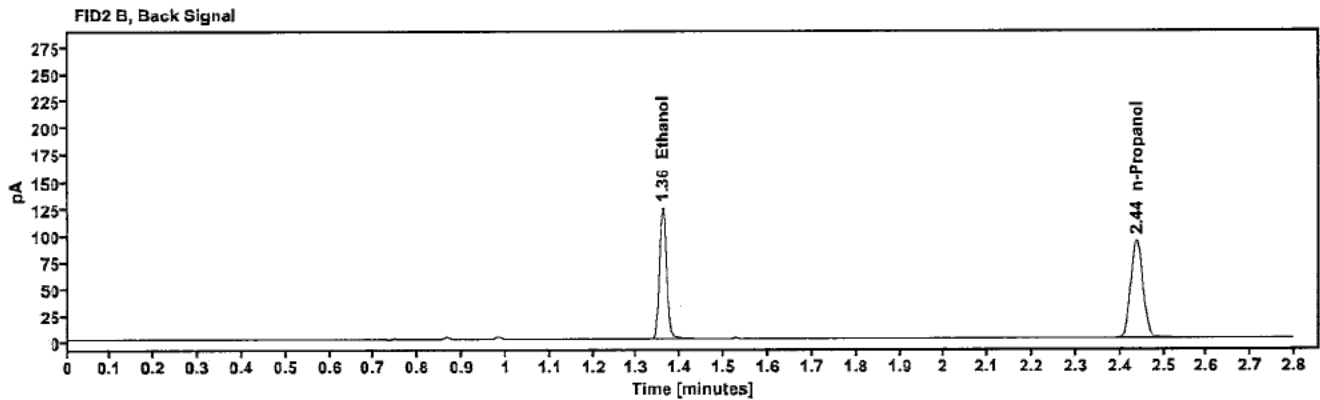
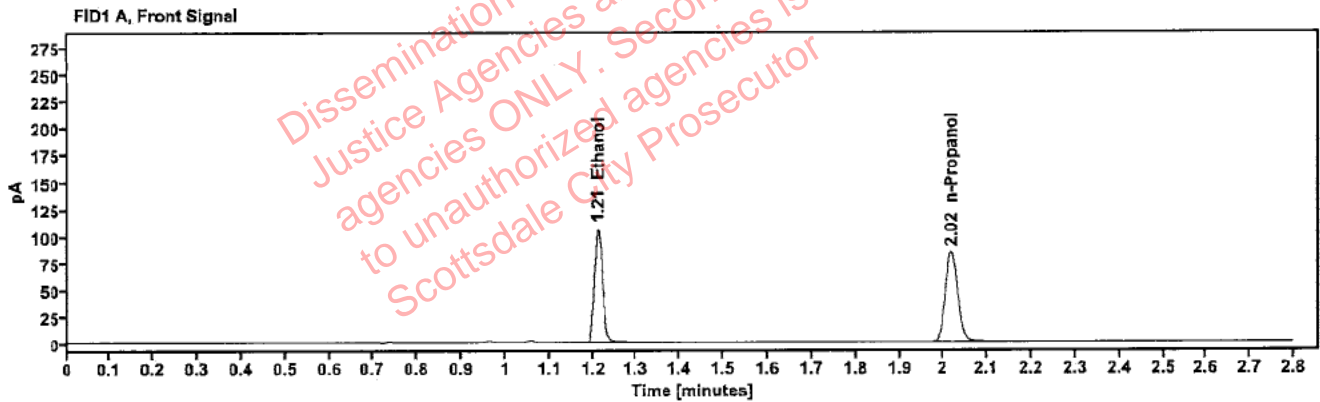


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2083	1.212	135.086
n-Propanol	-----	2.018	166.354

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

Compound	Time (min)	Peak Area
Ethanol	1.359	148.489
n-Propanol	2.438	181.538

Brooke, Phillip - (13-Sep-2023)

Case: User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317038-1	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:33:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\16.D	Analyst:	Brooke

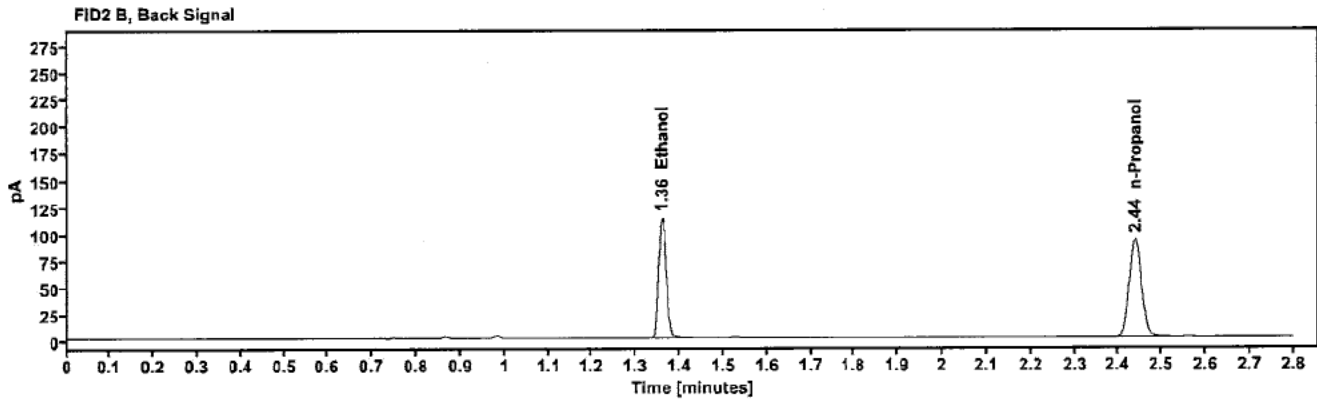
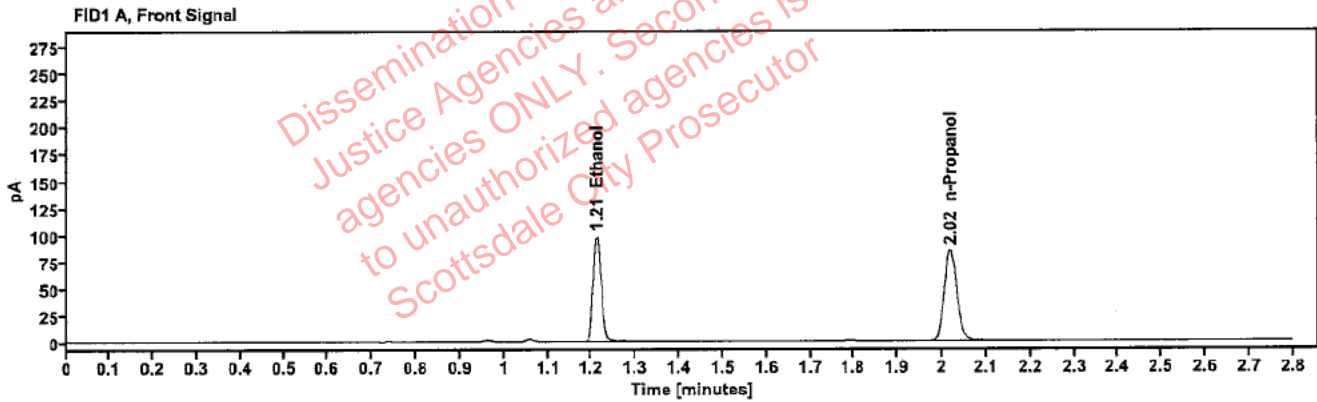


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1912	1.212	124.174
n-Propanol	---	2.018	166.590

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

Compound	Time (min)	Peak Area
Ethanol	1.360	136.099
n-Propanol	2.438	182.783

Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2317038-1	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:37:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\17.D	Analyst:	Brooke

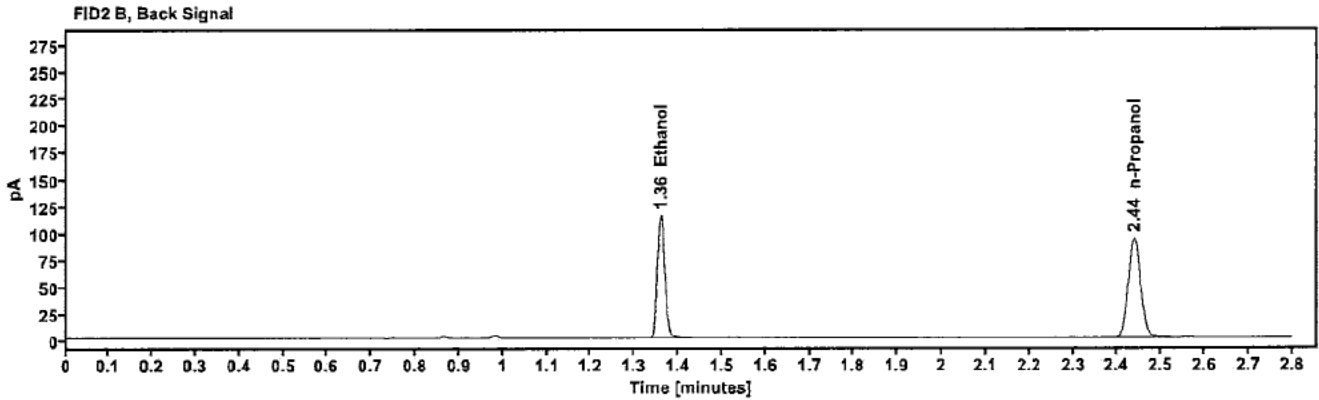
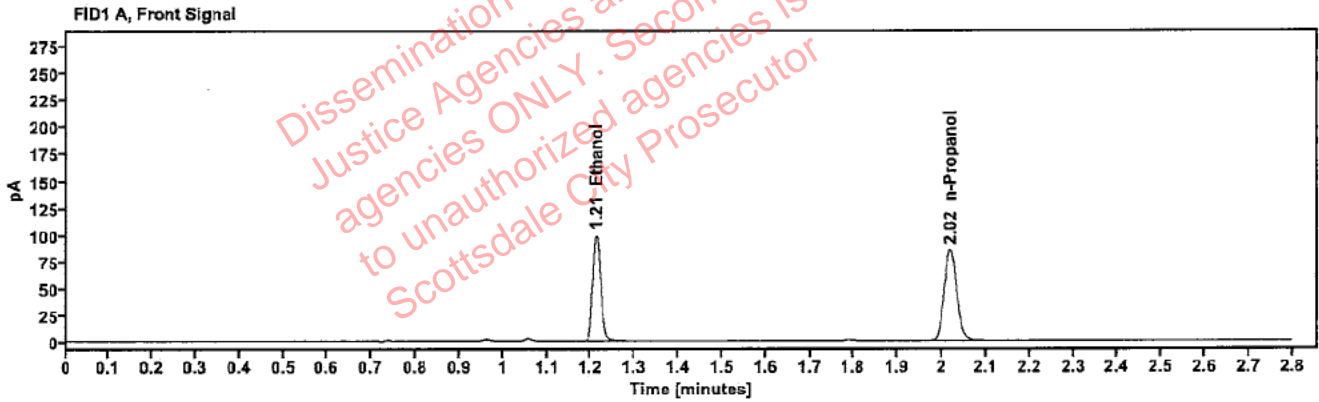


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1921	1.212	125.826
n-Propanol	---	2.018	168.032

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

Compound	Time (min)	Peak Area
Ethanol	1.360	138.026
n-Propanol	2.438	184.354

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318265-2	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:41:31 AM
Data file:	C:\Chem32\1\Data\13Sep23\18.D	Analyst:	Brooke

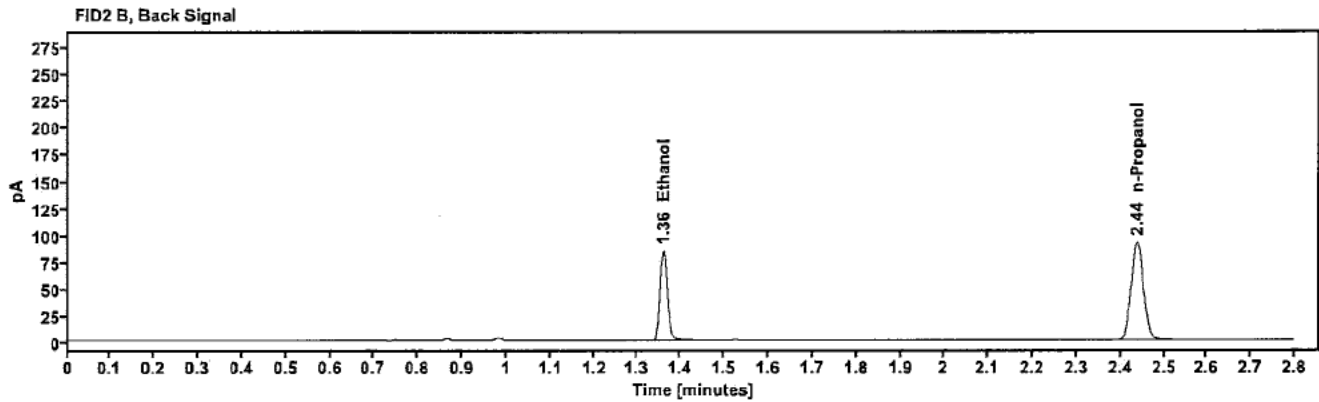
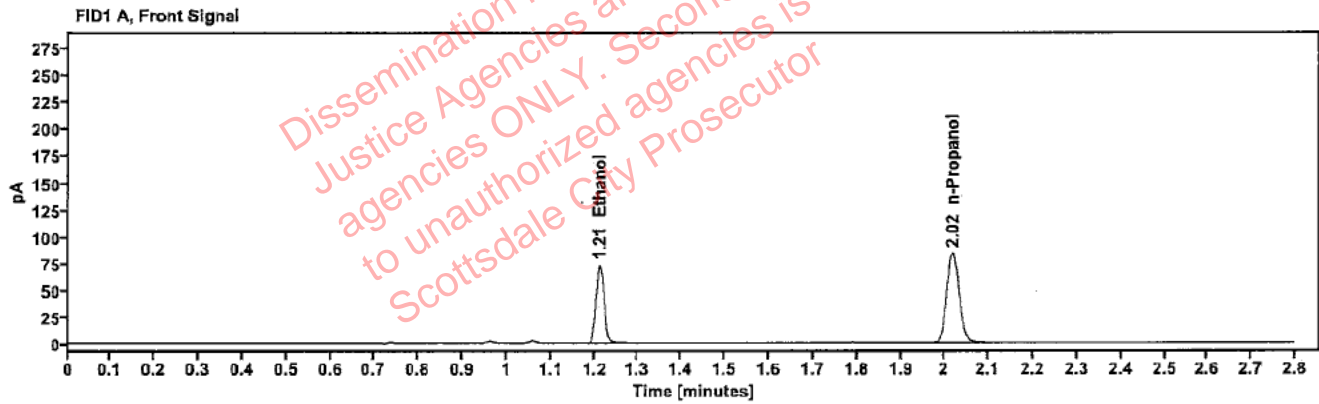


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1428	1.212	92.340
n-Propanol	----	2.018	165.689

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

Compound	Time (min)	Peak Area
Ethanol	1.360	101.331
n-Propanol	2.438	181.304

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318265-2	Vial:	19
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:45:46 AM
Data file:	C:\Chem32\1\Data\13Sep23\19.D	Analyst:	Brooke

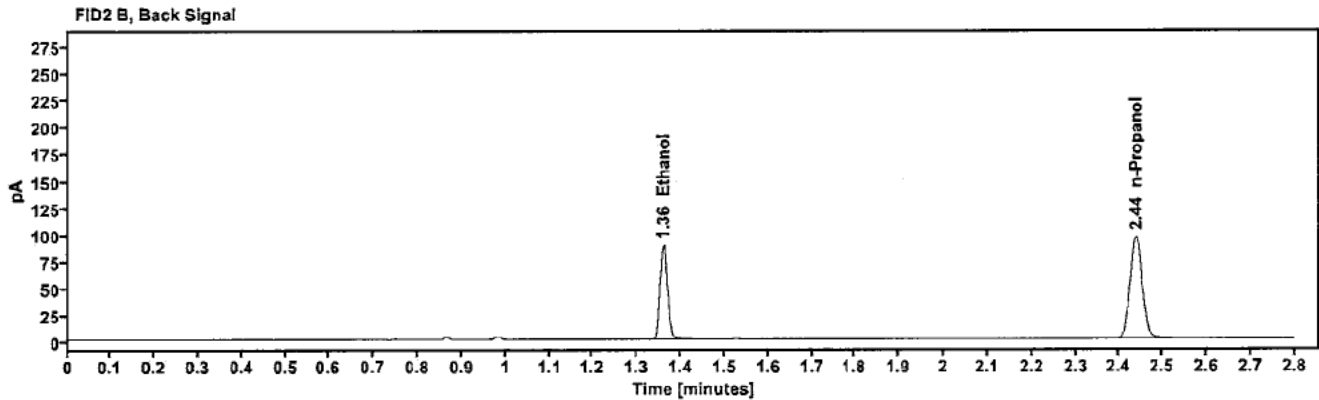
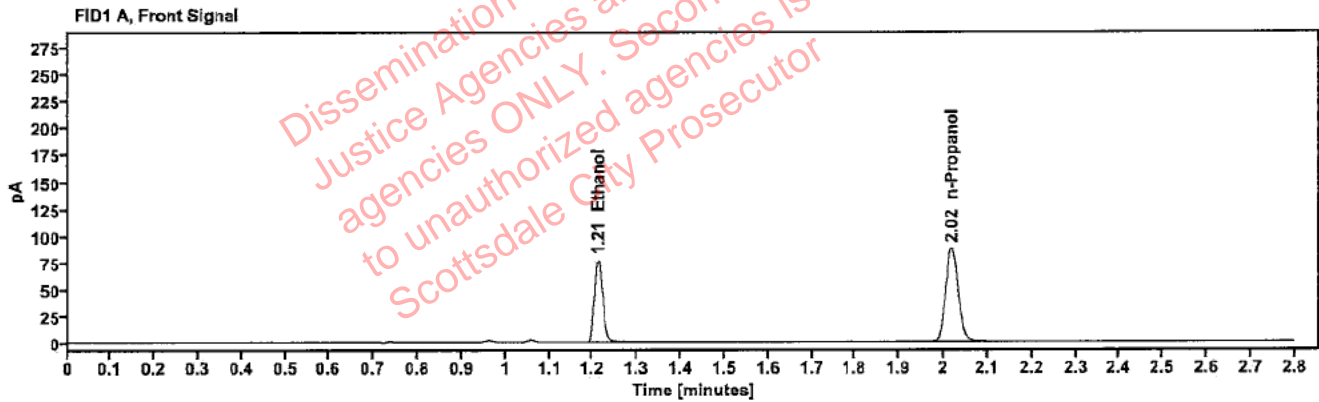


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1443	1.212	97.540
n-Propanol	---	2.018	173.171

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

Compound	Time (min)	Peak Area
Ethanol	1.360	106.935
n-Propanol	2.438	189.384

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318475-2	Vial:	21
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:53:46 AM
Data file:	C:\Chem32\1\Data\13Sep23\21.D	Analyst:	Brooke

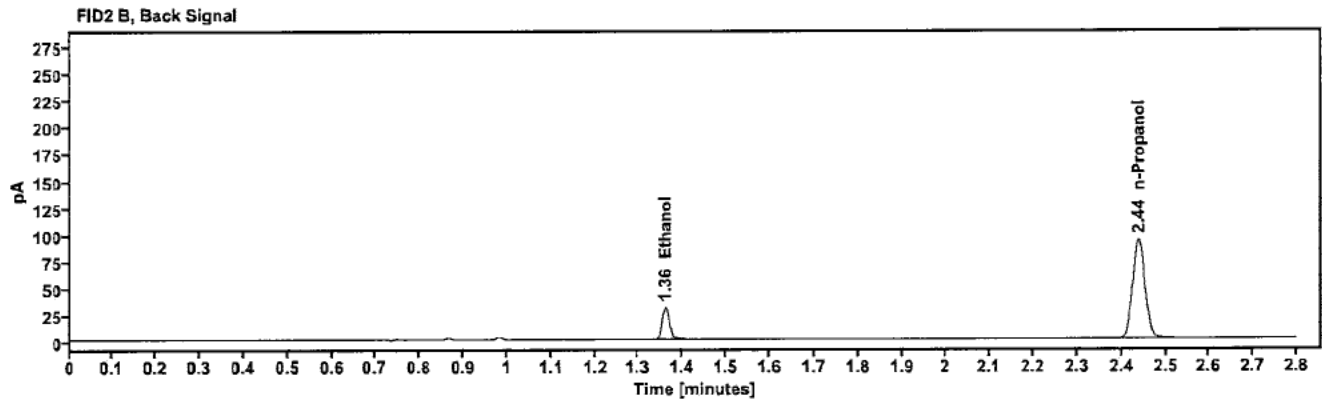
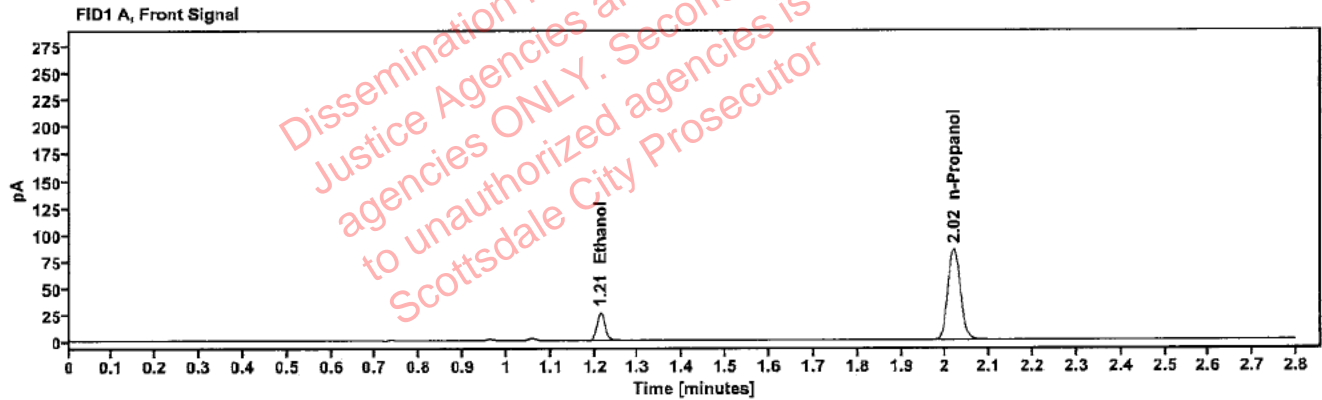


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0503	1.213	33.358
n-Propanol	----	2.018	168.533

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

Compound	Time (min)	Peak Area
Ethanol	1.361	36.919
n-Propanol	2.438	184.310

Brooke, Phillip - (13-Sep-2023)

Case: User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318475-2	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 11:57:45 AM
Data file:	C:\Chem32\1\Data\13Sep23\22.D	Analyst:	Brooke

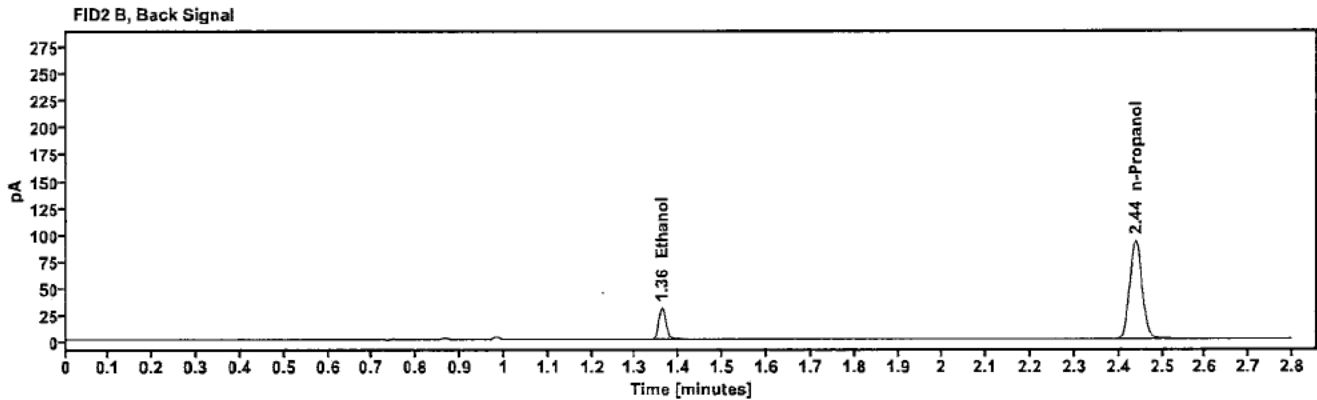
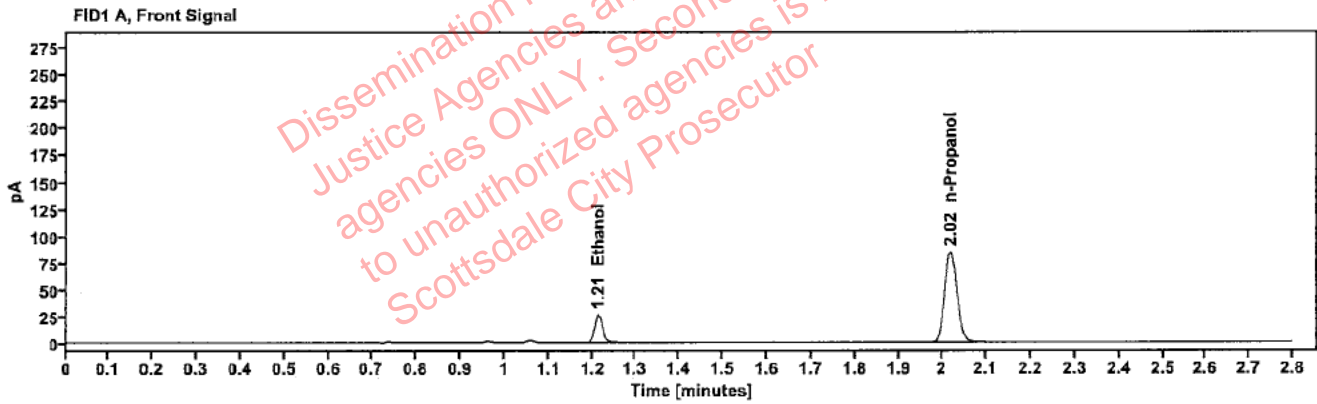


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0498	1.213	32.862
n-Propanol	-----	2.018	167.602

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

Compound	Time (min)	Peak Area
Ethanol	1.361	36.412
n-Propanol	2.439	183.132

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318482-1	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:01:46 PM
Data file:	C:\Chem32\1\Data\13Sep23\23.D	Analyst:	Brooke

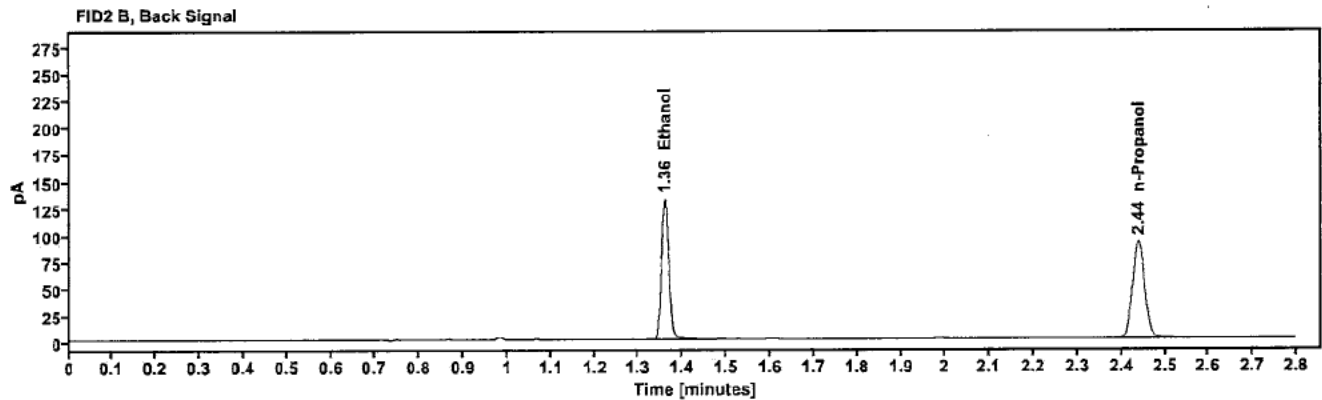
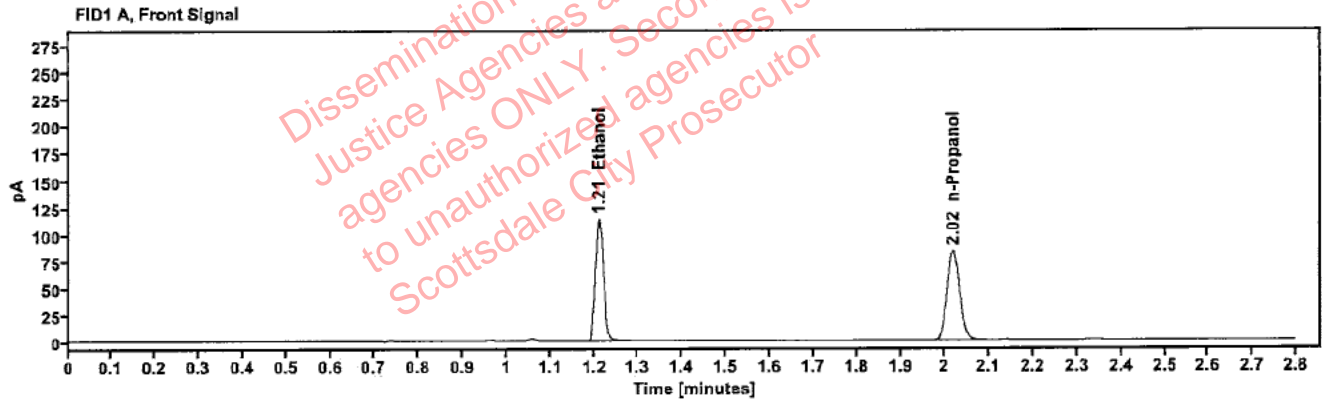


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2247	1.212	144.146
n-Propanol	---	2.018	164.600

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

Compound	Time (min)	Peak Area
Ethanol	1.360	158.583
n-Propanol	2.438	180.421

██████████: Brooke, Phillip - (13-Sep-2023)

Case: ██████████ User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318482-1	Vial:	24
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:05:46 PM
Data file:	C:\Chem32\1\Data\13Sep23\24.D	Analyst:	Brooke

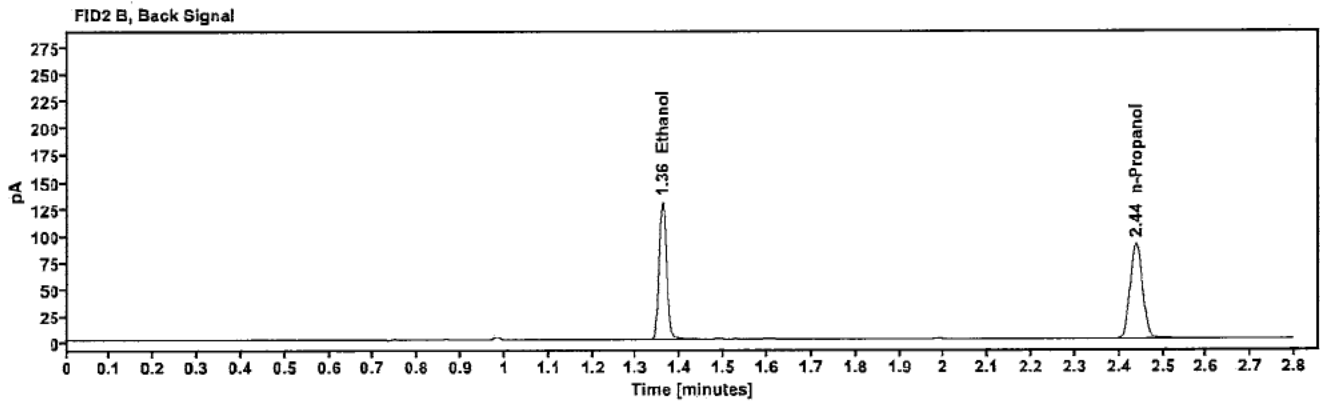
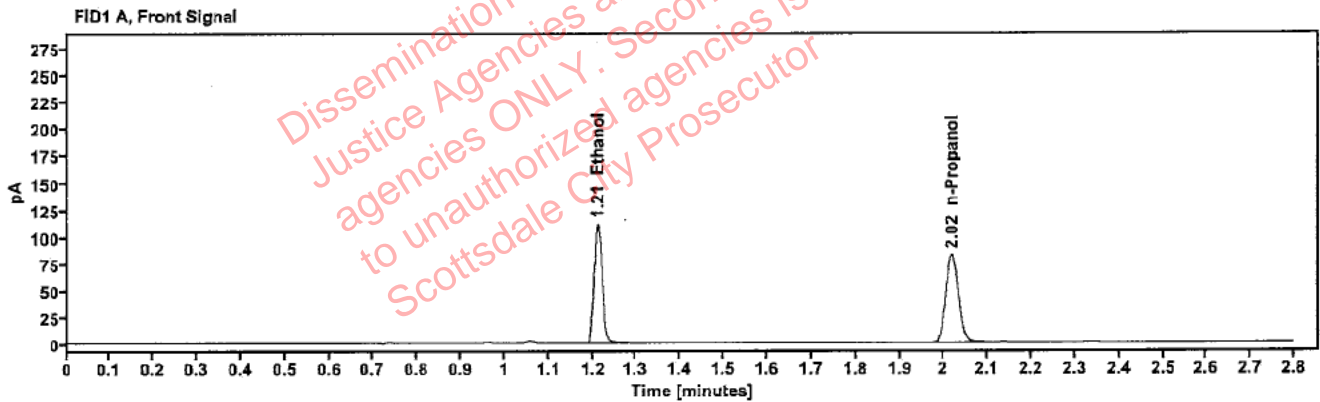


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2236	1.212	141.461
n-Propanol	---	2.018	162.380

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

Compound	Time (min)	Peak Area
Ethanol	1.360	155.954
n-Propanol	2.438	178.140

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318259-1	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:10:00 PM
Data file:	C:\Chem32\1\Data\13Sep23\25.D	Analyst:	Brooke

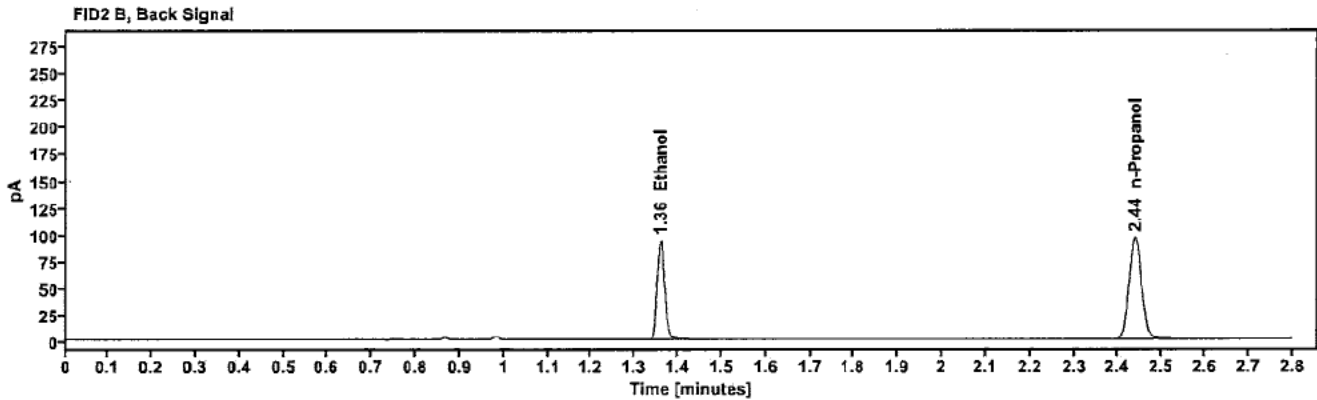
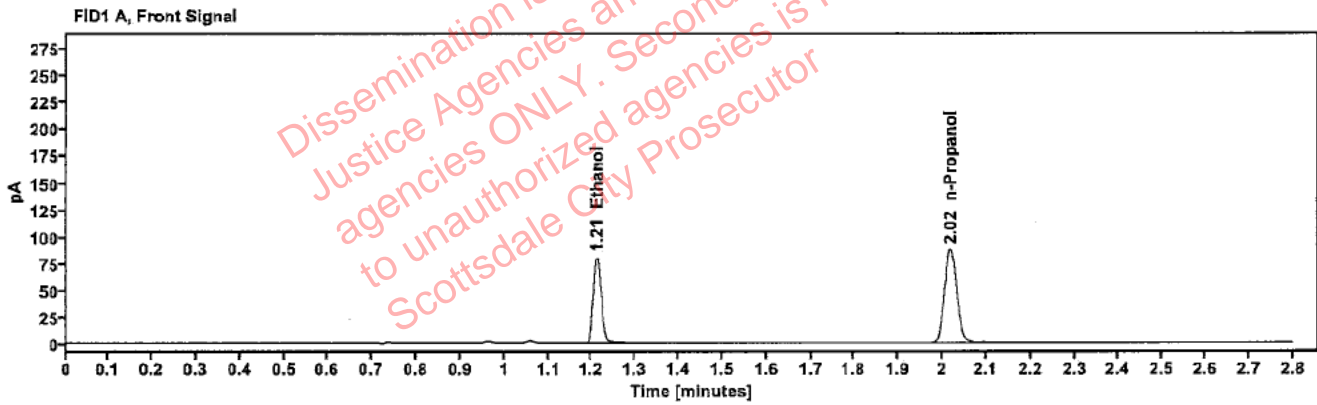


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1516	1.212	102.024
n-Propanol	---	2.018	172.512

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

Compound	Time (min)	Peak Area
Ethanol	1.360	111.784
n-Propanol	2.439	188.730

[REDACTED]: Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318259-1	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:14:00 PM
Data file:	C:\Chem32\1\Data\13Sep23\26.D	Analyst:	Brooke

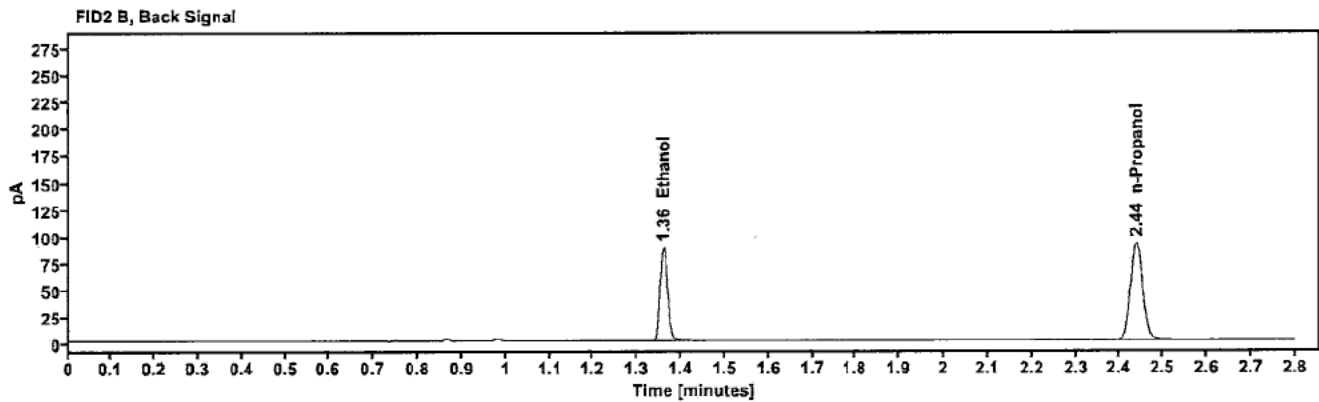
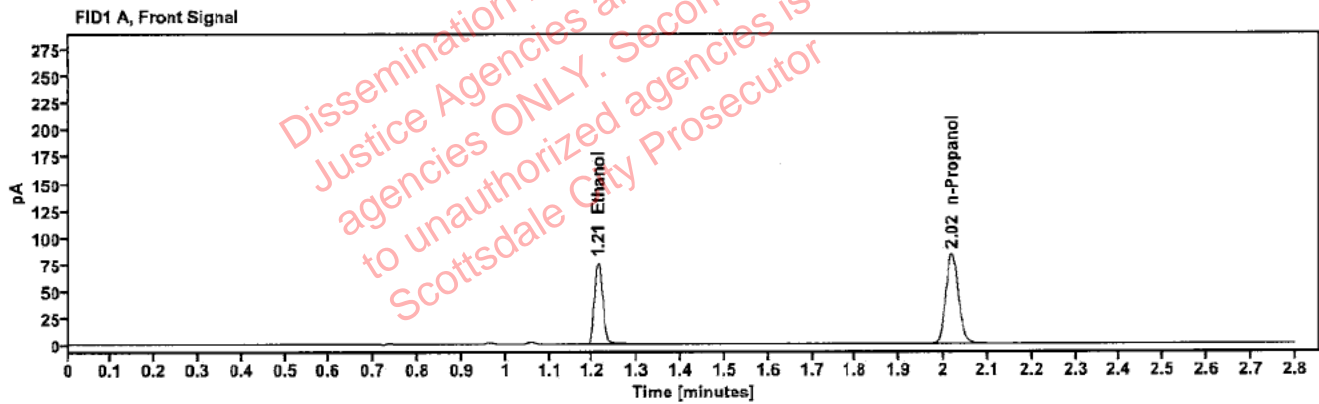


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1499	1.212	96.408
n-Propanol	---	2.018	164.827

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

Compound	Time (min)	Peak Area
Ethanol	1.360	105.616
n-Propanol	2.438	180.290

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318335-2	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:18:01 PM
Data file:	C:\Chem32\1\Data\13Sep23\27.D	Analyst:	Brooke

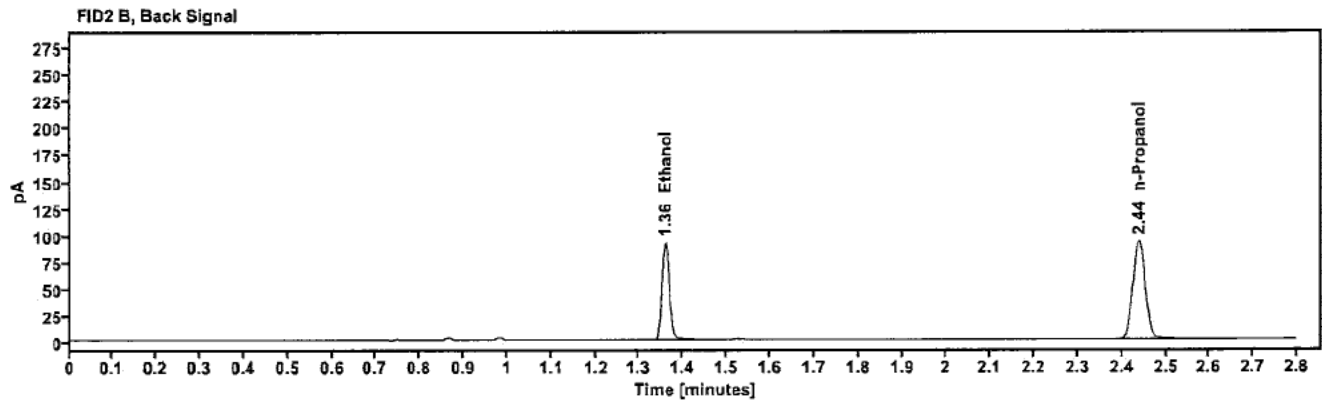
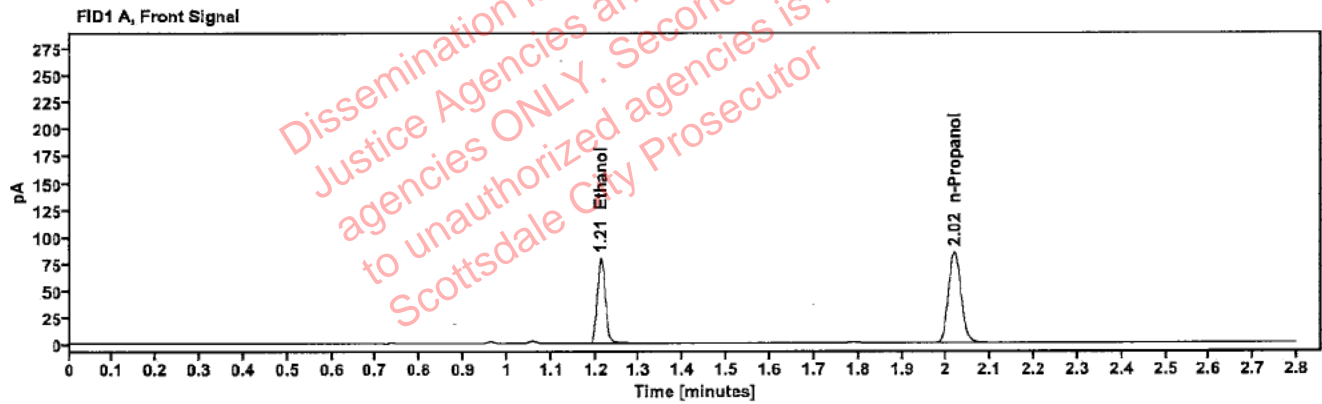


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1539	1.212	100.701
n-Propanol	----	2.018	167.724

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

Compound	Time (min)	Peak Area
Ethanol	1.360	110.573
n-Propanol	2.438	183.409

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318335-2	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:22:00 PM
Data file:	C:\Chem32\1\Data\13Sep23\28.D	Analyst:	Brooke

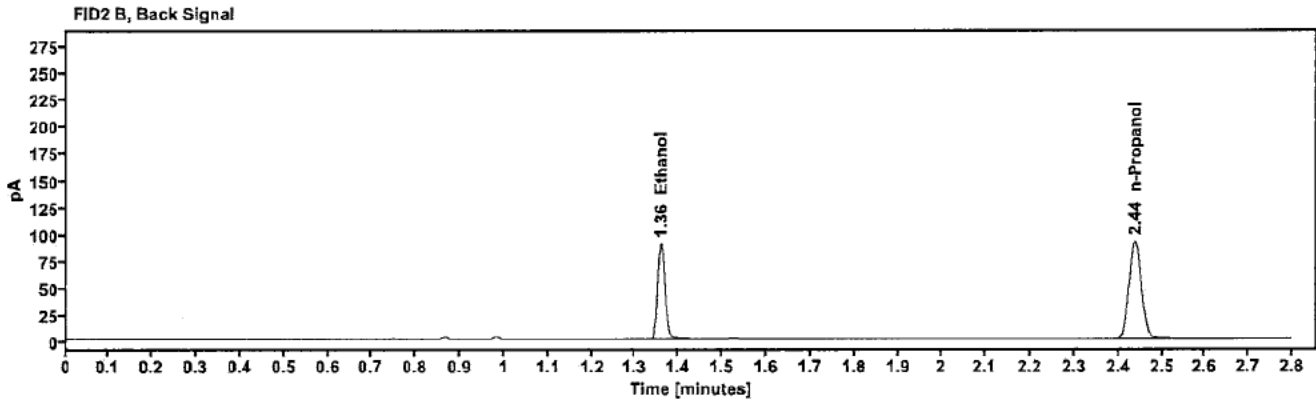
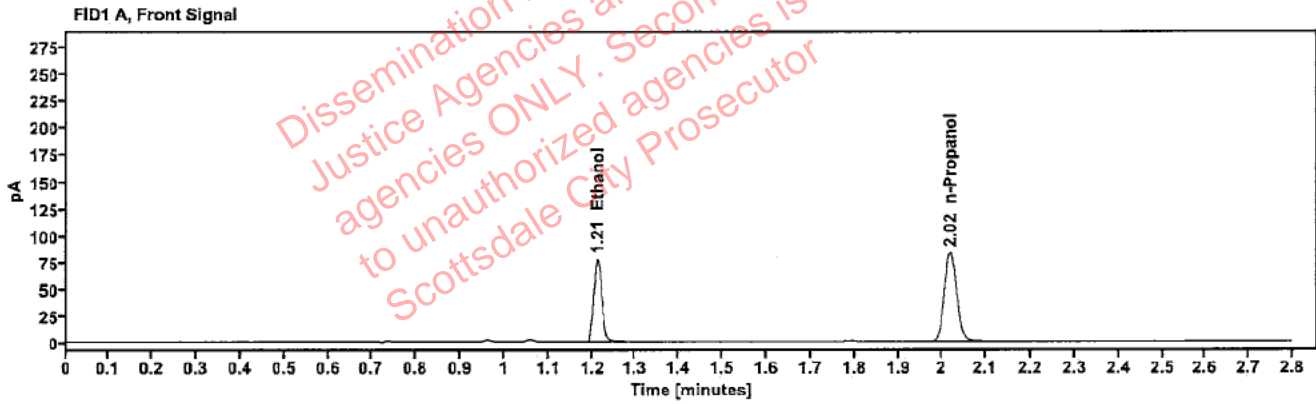


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1528	1.212	98.510
n-Propanol	---	2.018	165.209

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

Compound	Time (min)	Peak Area
Ethanol	1.360	108.163
n-Propanol	2.438	180.642

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318358-2	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:26:01 PM
Data file:	C:\Chem32\1\Data\13Sep23\29.D	Analyst:	Brooke

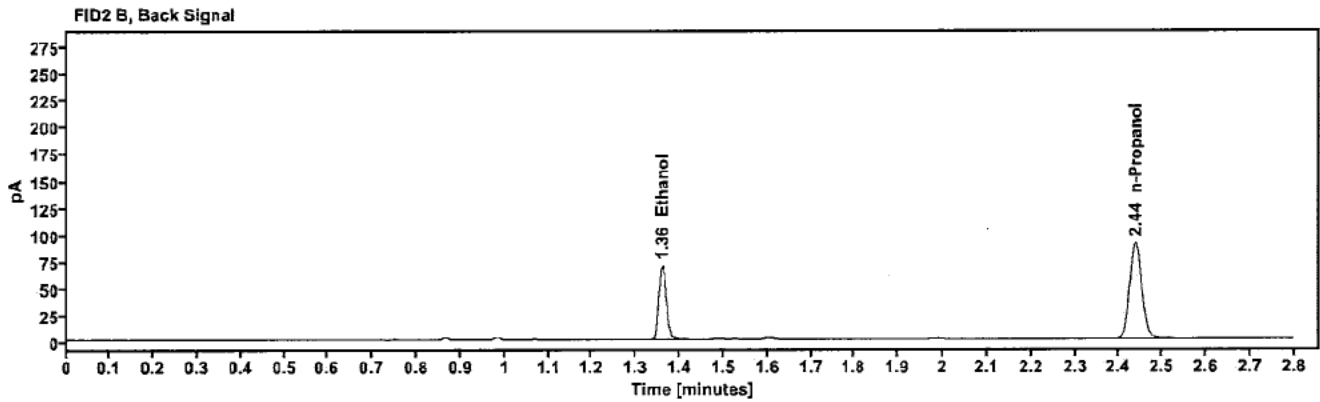
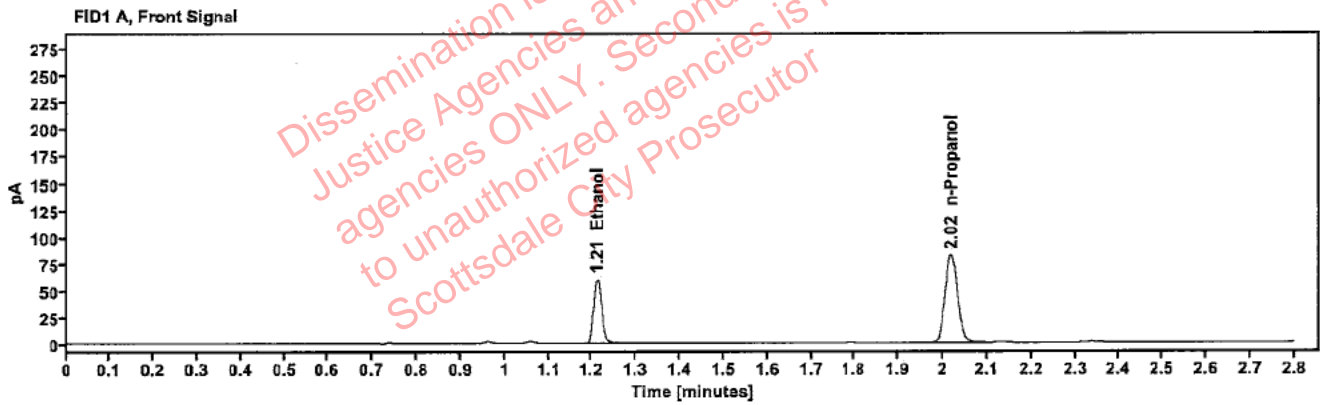


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1195	1.212	76.463
n-Propanol	—	2.018	163.759

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

Compound	Time (min)	Peak Area
Ethanol	1.360	84.248
n-Propanol	2.438	178.699

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318358-2	Vial:	30
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:30:01 PM
Data file:	C:\Chem32\1\Data\13Sep23\30.D	Analyst:	Brooke

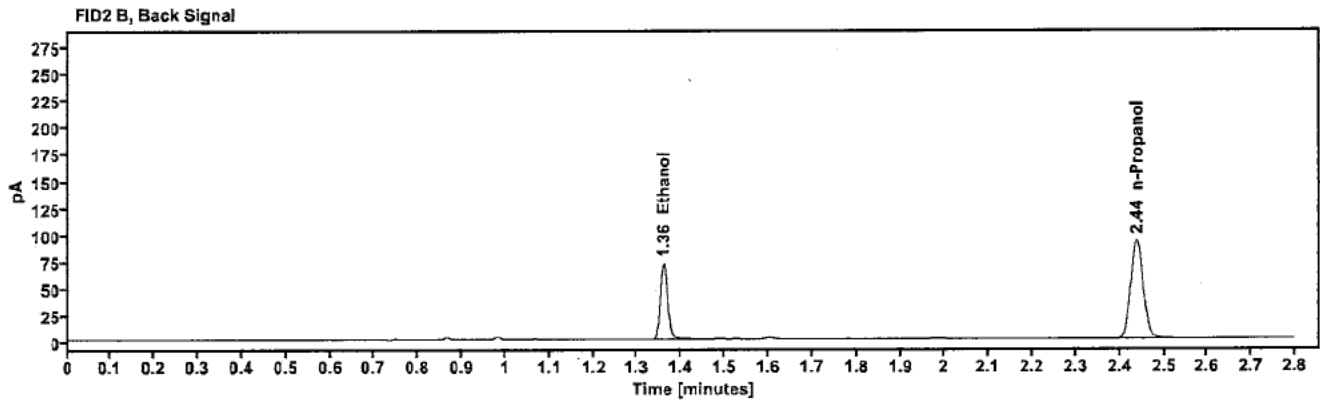
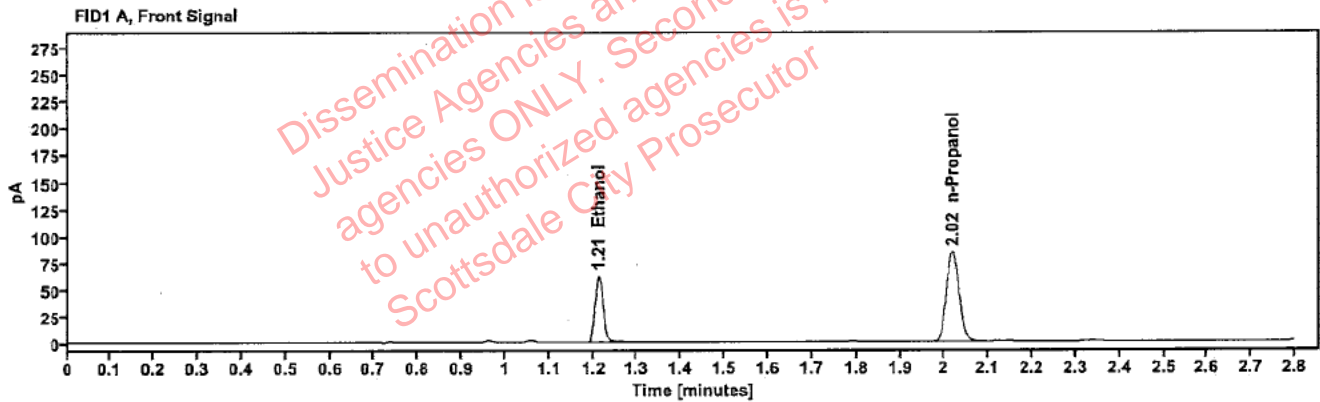


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1208	1.212	78.910
n-Propanol	---	2.018	167.279

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

Compound	Time (min)	Peak Area
Ethanol	1.360	86.747
n-Propanol	2.438	182.492

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318264-2	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:38:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\32.D	Analyst:	Brooke

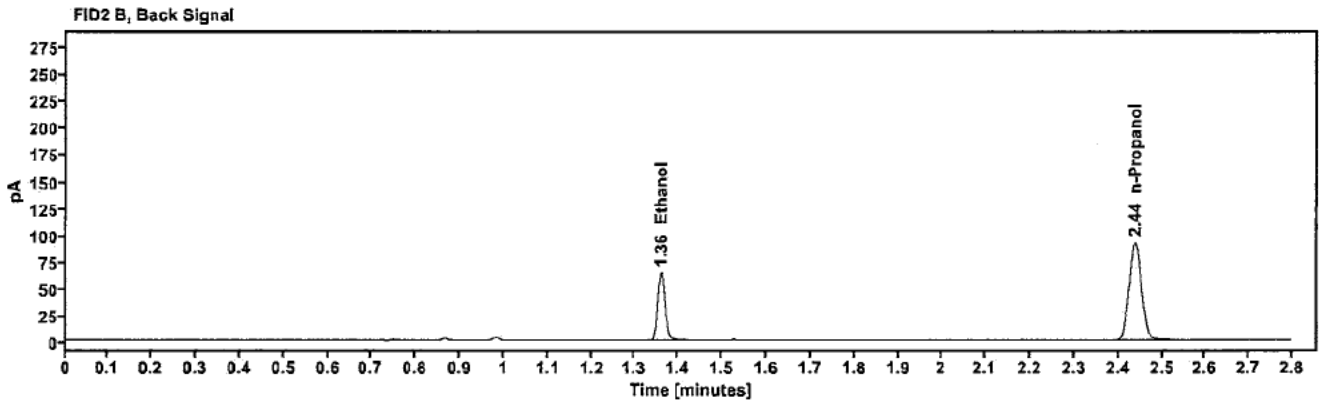
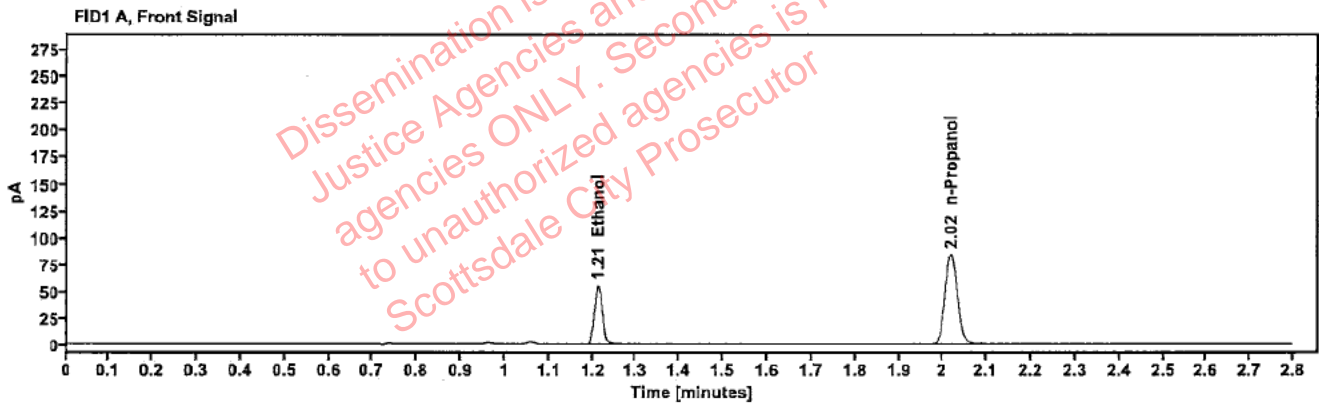


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1071	1.212	69.761
n-Propanol	—	2.018	166.606

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

Compound	Time (min)	Peak Area
Ethanol	1.360	76.417
n-Propanol	2.438	182.159

Brooke, Phillip - (13-Sep-2023)

Case: User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318264-2	Vial:	33
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:42:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\33.D	Analyst:	Brooke

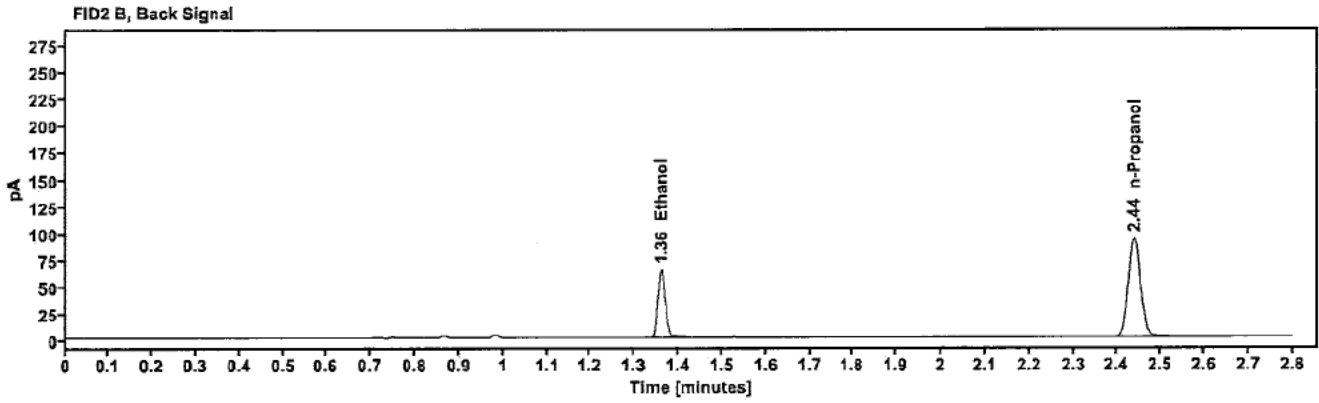
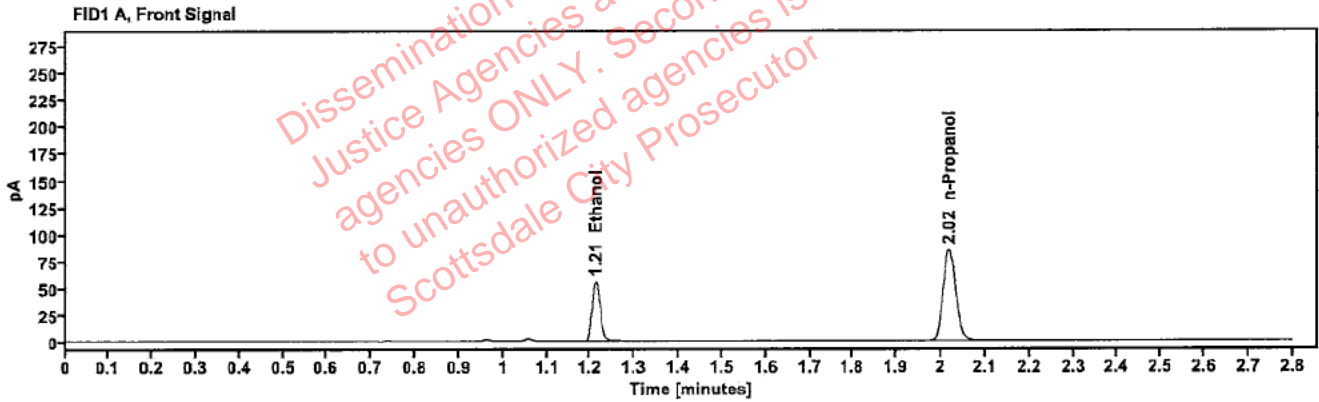


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1073	1.212	70.336
n-Propanol	---	2.018	167.734

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

Compound	Time (min)	Peak Area
Ethanol	1.360	77.025
n-Propanol	2.439	183.261

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318350-1	Vial:	34
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:46:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\34.D	Analyst:	Brooke

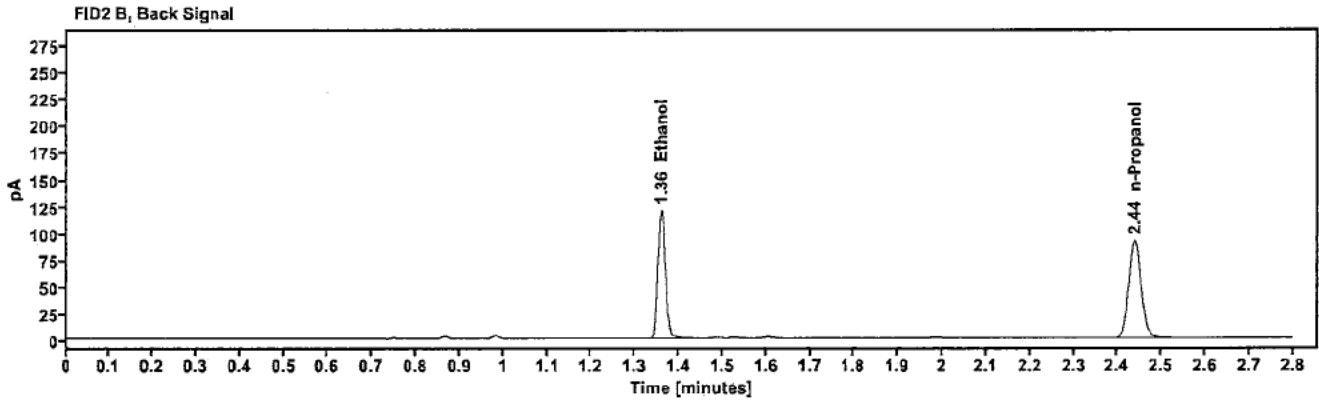
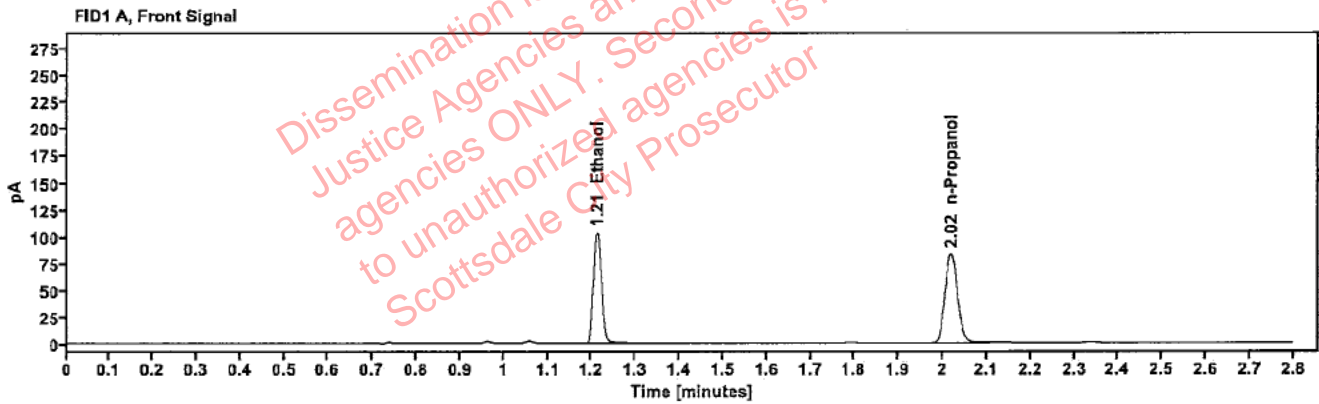


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2045	1.212	131.592
n-Propanol	-----	2.019	165.087

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

Compound	Time (min)	Peak Area
Ethanol	1.360	144.607
n-Propanol	2.439	180.902

[REDACTED]: Brooke, Phillip - (13-Sep-2023)

Case: [REDACTED] User: pbrooke 9/13/2023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318350-1	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:50:15 PM
Data file:	C:\Chem32\1\Data\13Sep23\35.D	Analyst:	Brooke

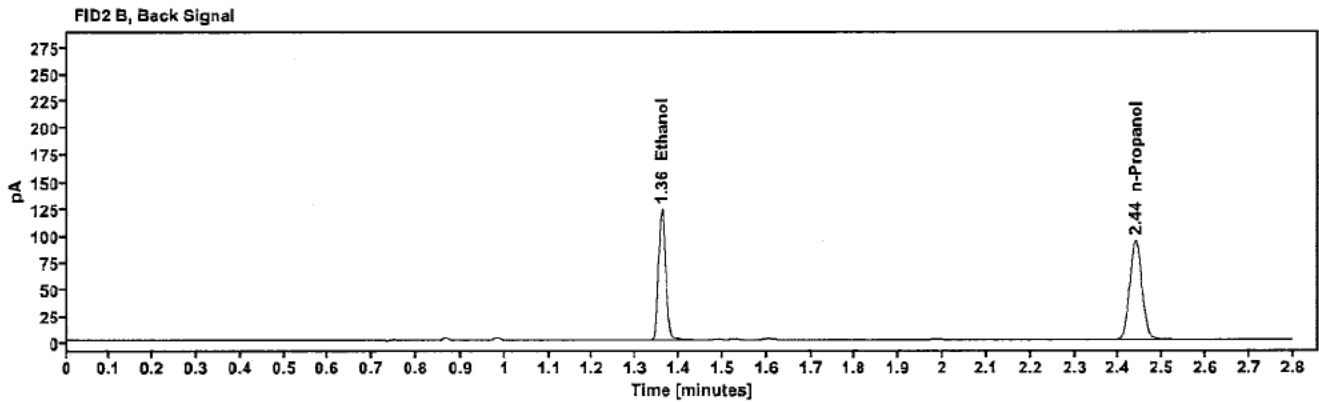
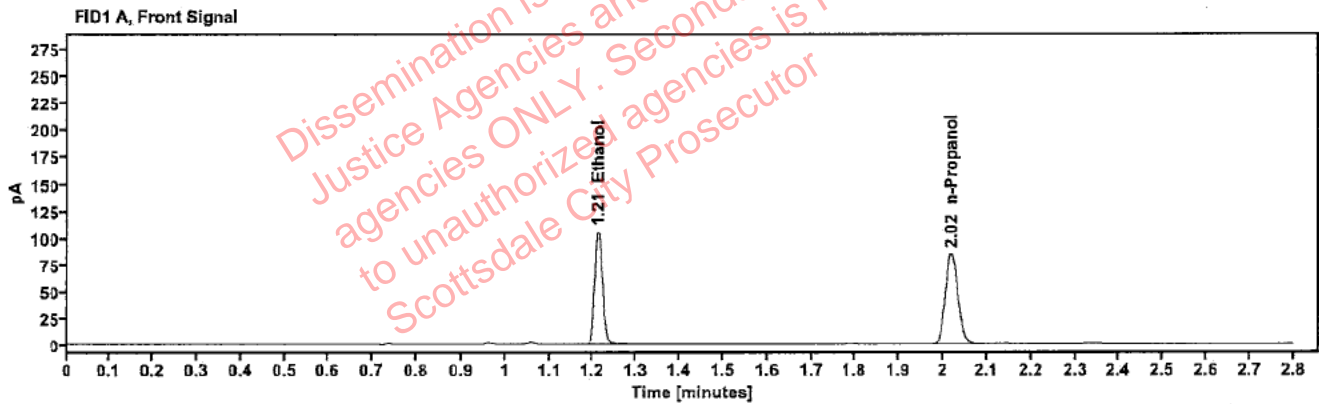


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2041	1.212	133.889
n-Propanol	-----	2.018	168.251

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

Compound	Time (min)	Peak Area
Ethanol	1.360	147.225
n-Propanol	2.439	183.503

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318429-2	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:54:16 PM
Data file:	C:\Chem32\1\Data\13Sep23\36.D	Analyst:	Brooke

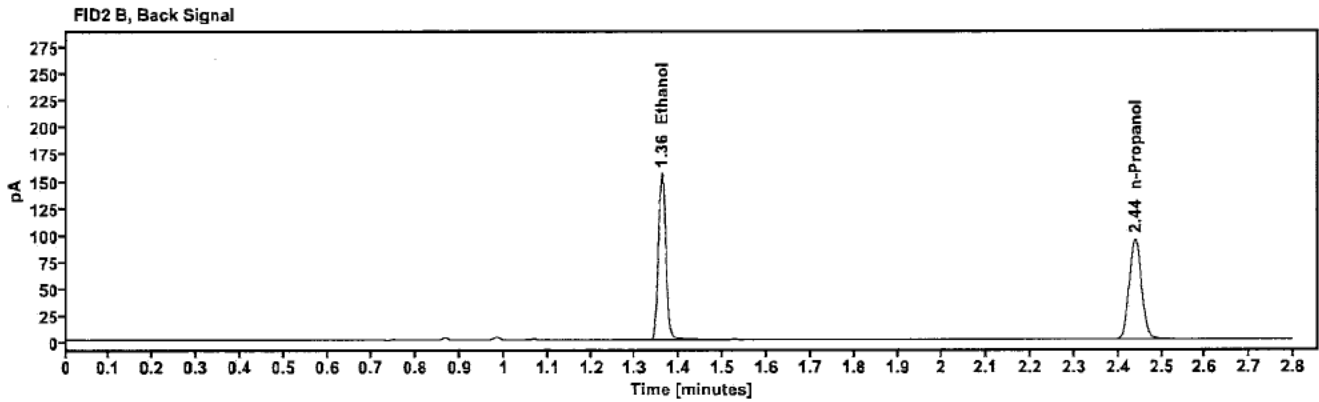
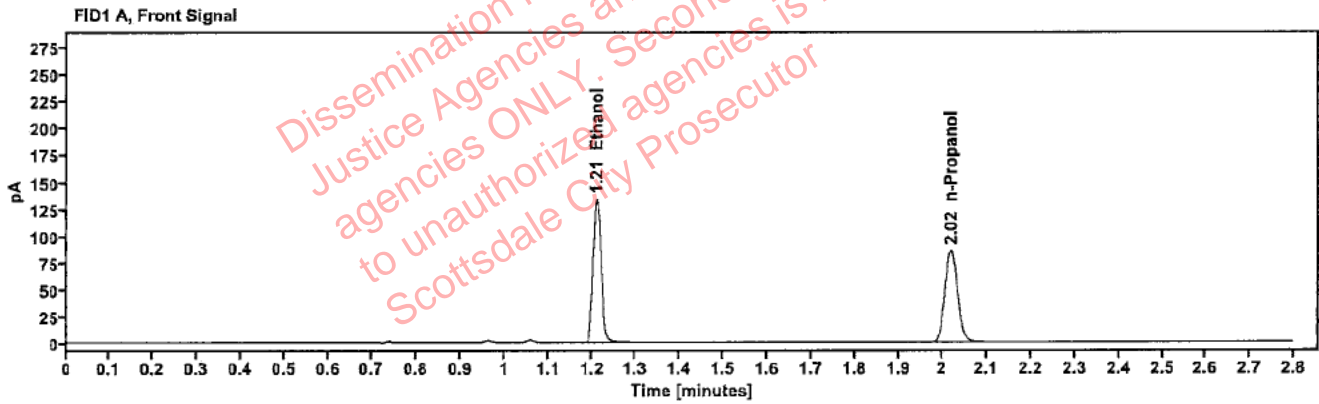


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2567	1.212	170.023
n-Propanol	---	2.018	170.002

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

Compound	Time (min)	Peak Area
Ethanol	1.360	187.289
n-Propanol	2.439	185.782

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318429-2	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 12:58:31 PM
Data file:	C:\Chem32\1\Data\13Sep23\37.D	Analyst:	Brooke

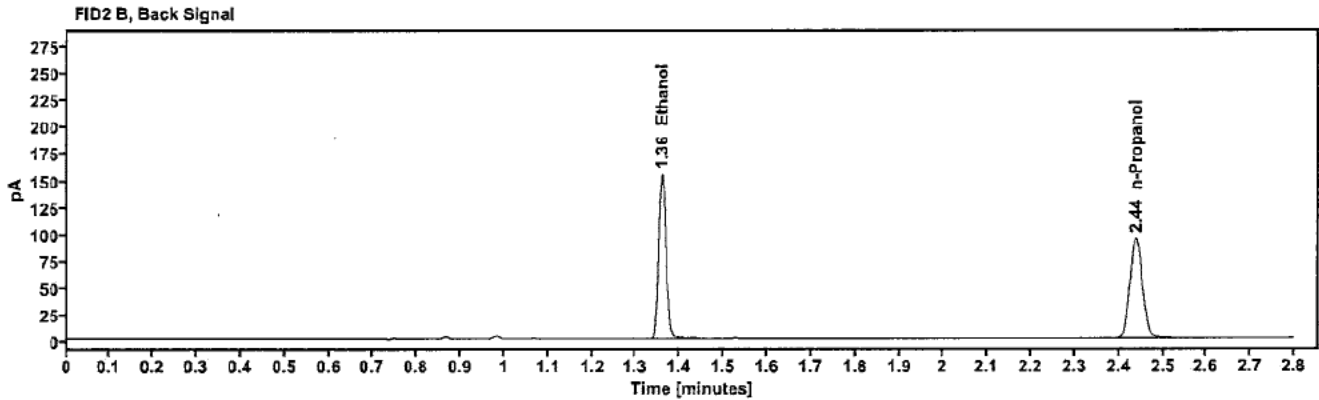
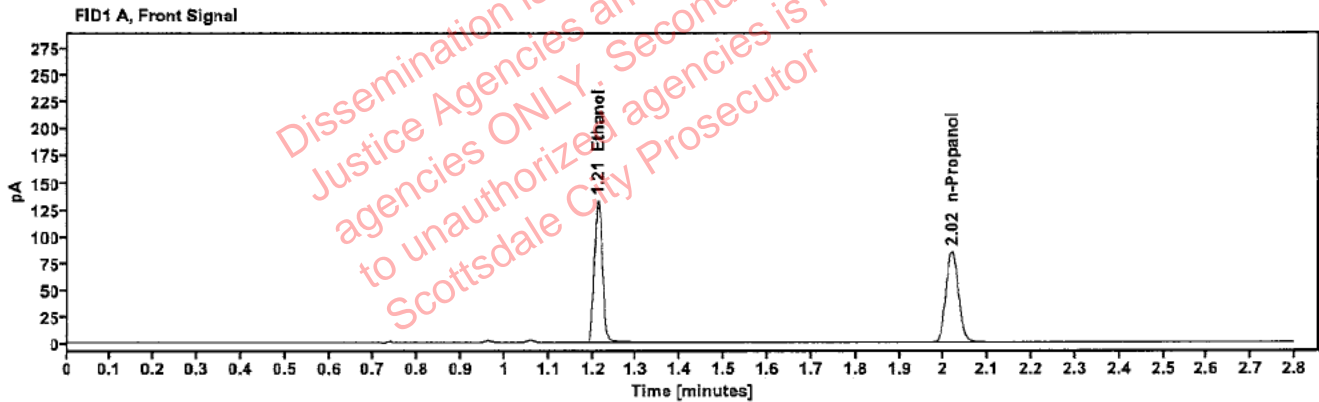


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2562	1.212	168.541
n-Propanol	-----	2.018	168.883

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

Compound	Time (min)	Peak Area
Ethanol	1.360	185.402
n-Propanol	2.438	184.477

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318426-2	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 1:02:31 PM
Data file:	C:\Chem32\1\Data\13Sep23\38.D	Analyst:	Brooke

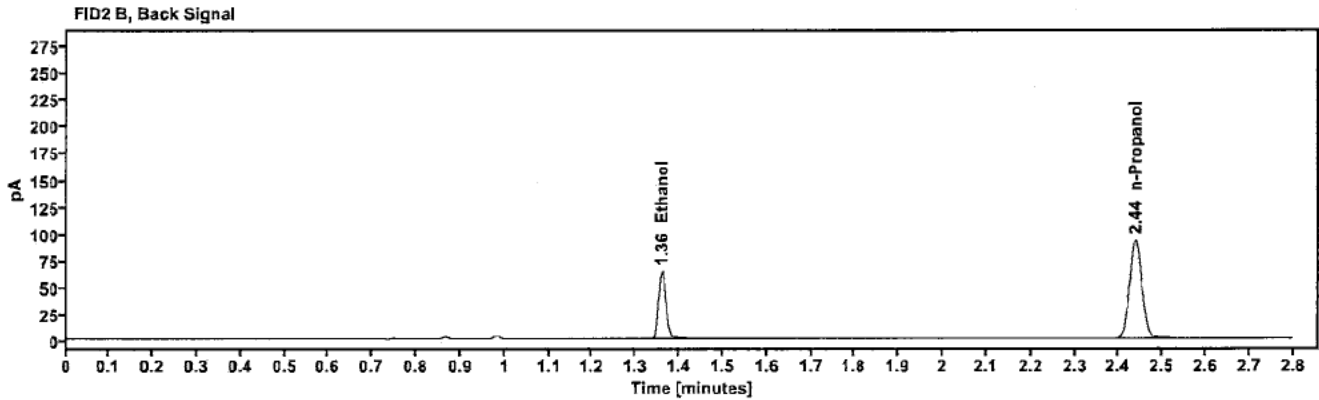
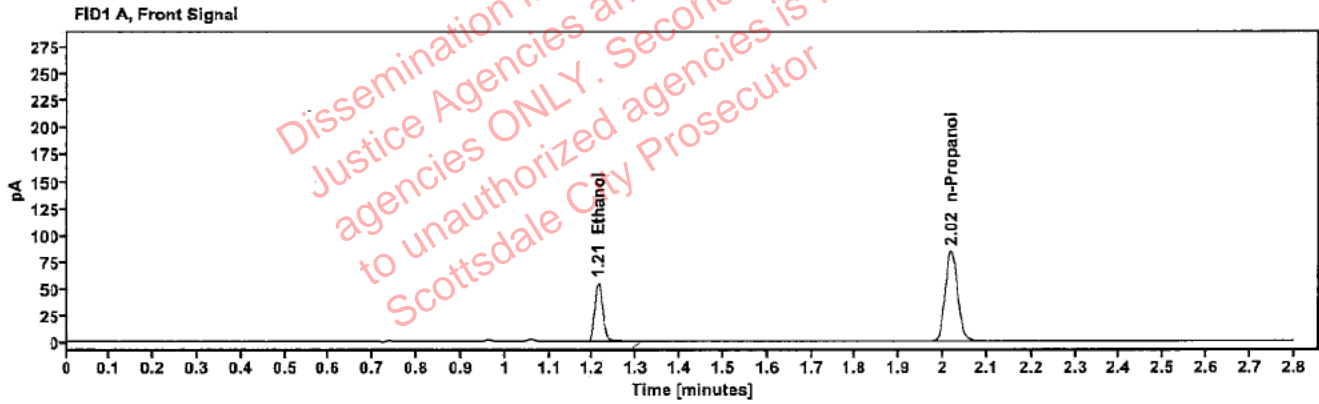


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1064	1.212	69.314
n-Propanol	-----	2.018	166.649

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

Compound	Time (min)	Peak Area
Ethanol	1.360	75.923
n-Propanol	2.438	182.190

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2318426-2	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 1:06:31 PM
Data file:	C:\Chem32\1\Data\13Sep23\39.D	Analyst:	Brooke

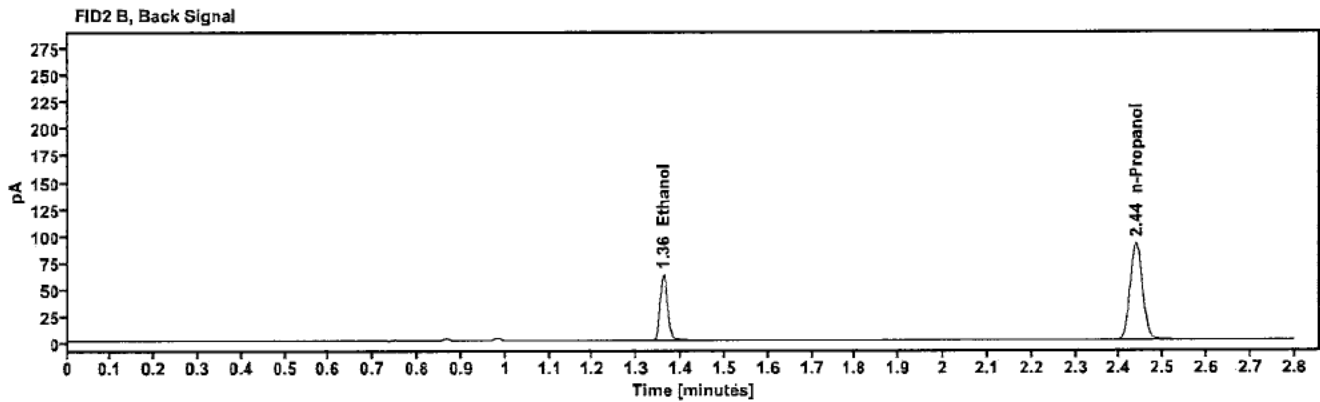
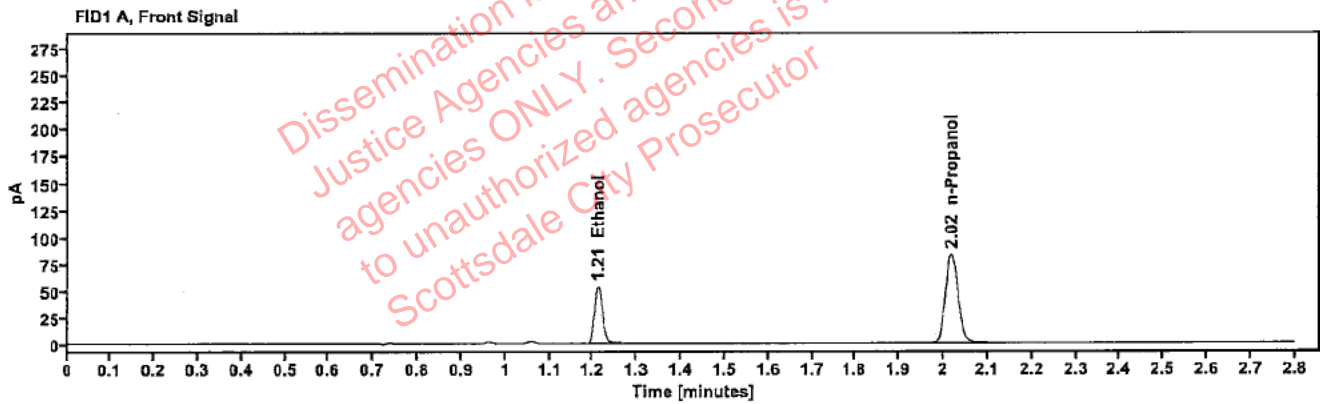


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1056	1.212	67.954
n-Propanol	-----	2.018	164.614

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

Compound	Time (min)	Peak Area
Ethanol	1.360	74.461
n-Propanol	2.438	179.912

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2309746-2	Vial:	40
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 1:10:31 PM
Data file:	C:\Chem32\1\Data\13Sep23\40.D	Analyst:	Brooke

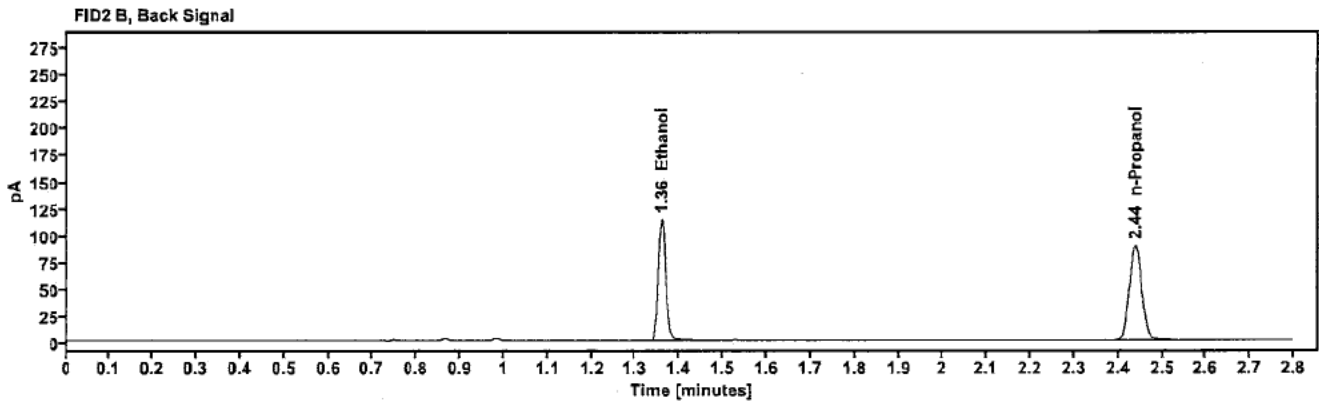
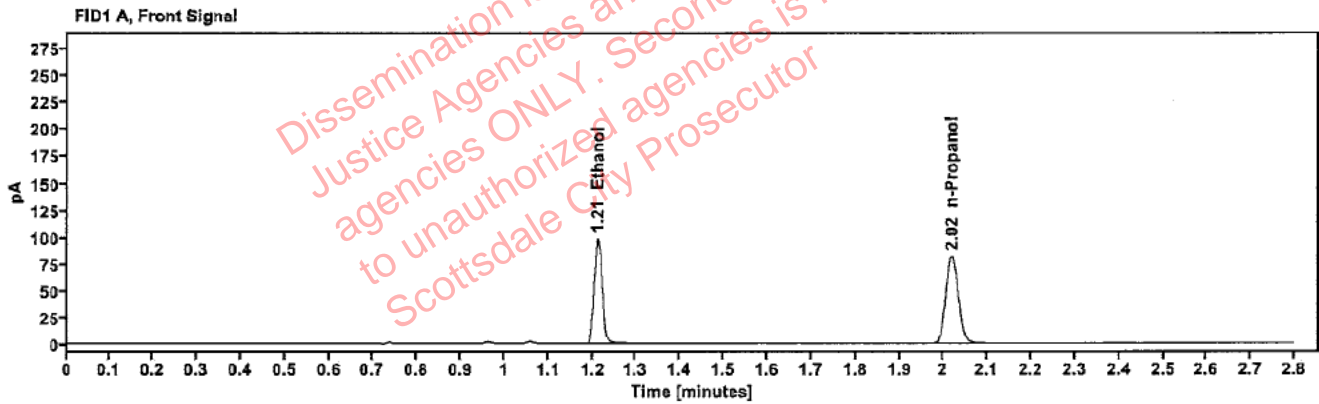


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1981	1.212	124.746
n-Propanol	-----	2.018	161.518

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

Compound	Time (min)	Peak Area
Ethanol	1.360	136.943
n-Propanol	2.438	176.502

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2309746-2	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Sep23
Instrument:	US14173023 CN14160045	Injection date:	9/13/2023 1:14:30 PM
Data file:	C:\Chem32\1\Data\13Sep23\41.D	Analyst:	Brooke

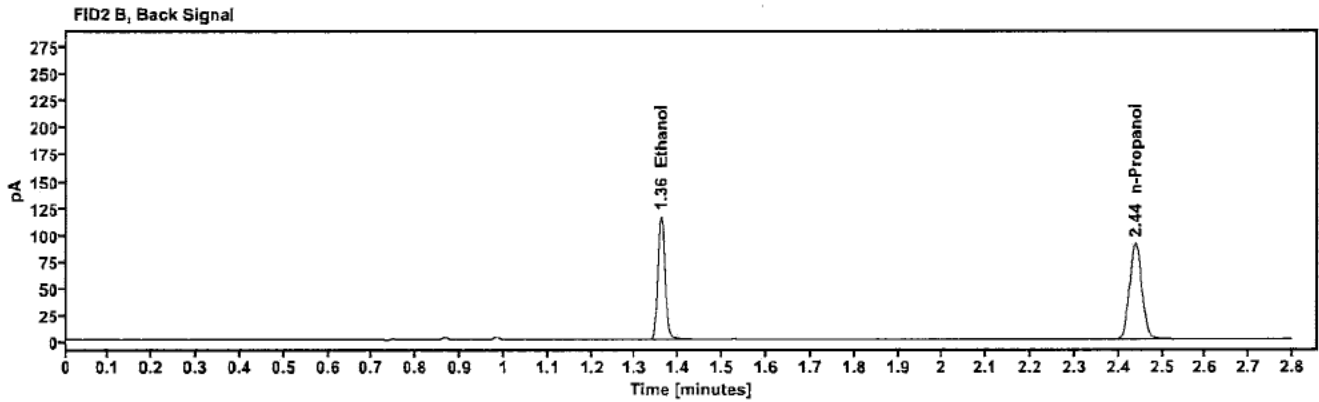
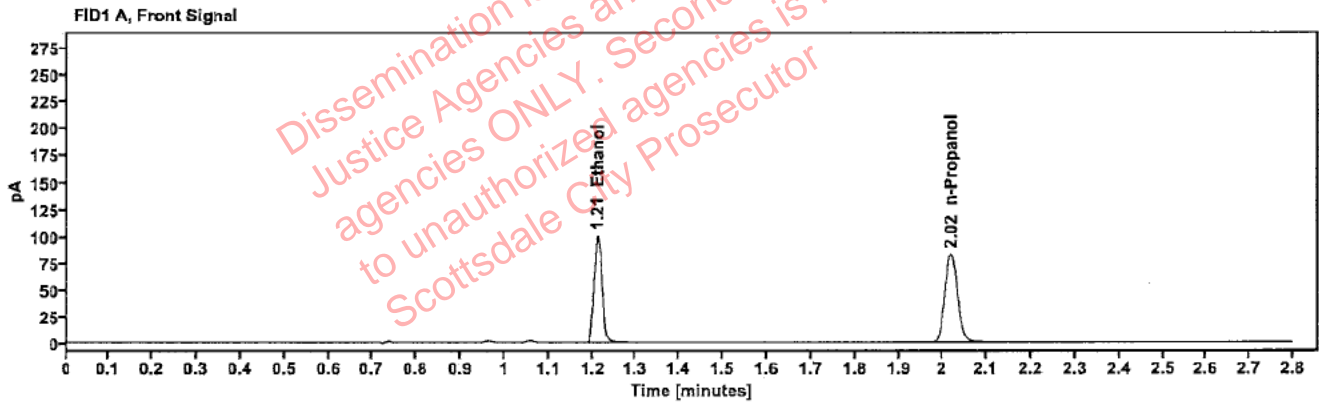


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1990	1.212	127.023
n-Propanol	---	2.018	163.765

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

Compound	Time (min)	Peak Area
Ethanol	1.360	139.664
n-Propanol	2.438	179.161