

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 08/02/2022 SEQUENCE NAME 02Aug22

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN10051909 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN05311902 0.99995  
 Vial 3 0.20 calibrator Lot FN02052101  
 Vial 4 0.40 calibrator Lot FN03052102

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

| Vial | Sample            | Expected result | Measured result | Manufacturer/lot   |
|------|-------------------|-----------------|-----------------|--------------------|
| 5    | Blank             | Not detected    | Not detected    | SPD lab 070622AQ   |
| 6    | Volatiles mixture | 6 compounds     | 6 compounds     | SPD lab 050721MIX  |
| 7    | Aqueous control   | 0.400 g/dL      | 0.403 g/dL      | Lipomed 11092018-A |
| 8    | Aqueous control   | 0.040 g/dL      | 0.039 g/dL      | Lipomed 14082019-B |
| 9    | Blood control     | 0.199 g/dL      | 0.202 g/dL      | ACQ 4110320133/8   |
| 20   | Aqueous control   | 0.080 g/dL      | 0.079 g/dL      | Lipomed 20012020-B |
| 31   | Aqueous control   | 0.080 g/dL      | 0.079 g/dL      | Lipomed 20012020-B |
| 42   | Aqueous control   | 0.400 g/dL      | 0.403 g/dL      | Lipomed 11092018-A |
| 43   | Aqueous control   | 0.040 g/dL      | 0.039 g/dL      | Lipomed 14082019-B |
| 44   | Blood control     | 0.199 g/dL      | 0.203 g/dL      | ACQ 4110320133/8   |
| 45   | Blank             | Not detected    | Not detected    | SPD lab 101921WB   |
|      |                   |                 |                 |                    |
|      |                   |                 |                 |                    |
|      |                   |                 |                 |                    |
|      |                   |                 |                 |                    |
|      |                   |                 |                 |                    |

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

**ADDITIONAL NOTES:** All testing proceeded as expected.

---



---

Run valid  [Signature]  
 Run invalid   
 Analyst

Run valid  [Signature]  
 Run invalid   
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

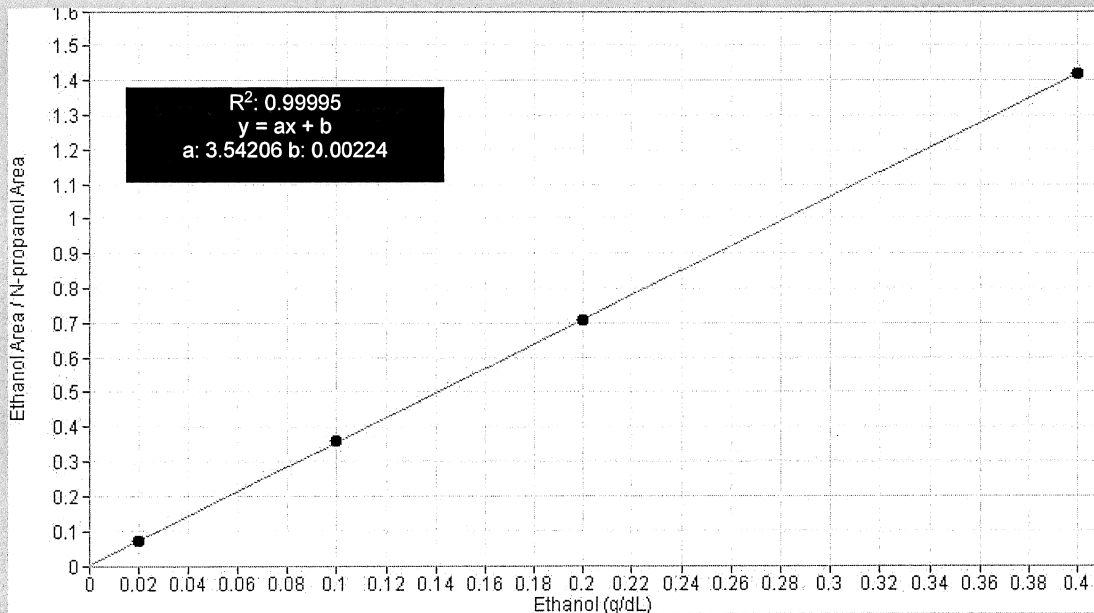
SEQUENCE NAME: 02Aug22

ANALYST: Abbott Jh

| Sample Name        | Vial | Measured Value (g/dL) | Expected Value (g/dL) | Percent Difference | Absolute Difference (g/dL) |
|--------------------|------|-----------------------|-----------------------|--------------------|----------------------------|
| blank 070622AQ     | 5    | negative              | negative              | -                  | -                          |
| 0.400 11092018-A   | 7    | 0.403                 | 0.400                 | 0.75               | 0.003                      |
| 0.040 14082019-B   | 8    | 0.039                 | 0.040                 | 2.50               | -0.001                     |
| 0.199 4110320133/8 | 9    | 0.202                 | 0.199                 | 1.51               | 0.003                      |
| 0.080 20012020-B   | 20   | 0.079                 | 0.080                 | 1.25               | -0.001                     |
| 0.080 20012020-B   | 31   | 0.079                 | 0.080                 | 1.25               | -0.001                     |
| 0.400 11092018-A   | 42   | 0.403                 | 0.400                 | 0.75               | 0.003                      |
| 0.040 14082019-B   | 43   | 0.039                 | 0.040                 | 2.50               | -0.001                     |
| 0.199 4110320133/8 | 44   | 0.203                 | 0.199                 | 2.01               | 0.004                      |
| blank 101921WB     | 45   | negative              | negative              | -                  | -                          |

| Calibrator | Ethanol Area | N-propanol Area | Ratio |
|------------|--------------|-----------------|-------|
| 0.020      | 11.709       | 165.103         | 0.071 |
| 0.100      | 61.316       | 169.358         | 0.362 |
| 0.200      | 116.950      | 165.569         | 0.706 |
| 0.400      | 236.311      | 166.426         | 1.420 |

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                              |                        |                      |
|---------------------|------------------------------|------------------------|----------------------|
| <b>Sample:</b>      | FN10051909                   | <b>Vial:</b>           | 1                    |
| <b>Description:</b> | 0.020 calibrator             | <b>Sequence:</b>       | 02Aug22              |
| <b>Method:</b>      | ethanol quant.M              | <b>Injection date:</b> | 8/2/2022 11:47:37 AM |
| <b>Instrument:</b>  | US14173023 CN14160045        | <b>Analyst:</b>        | Abbott <i>JA</i>     |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\1.D |                        |                      |

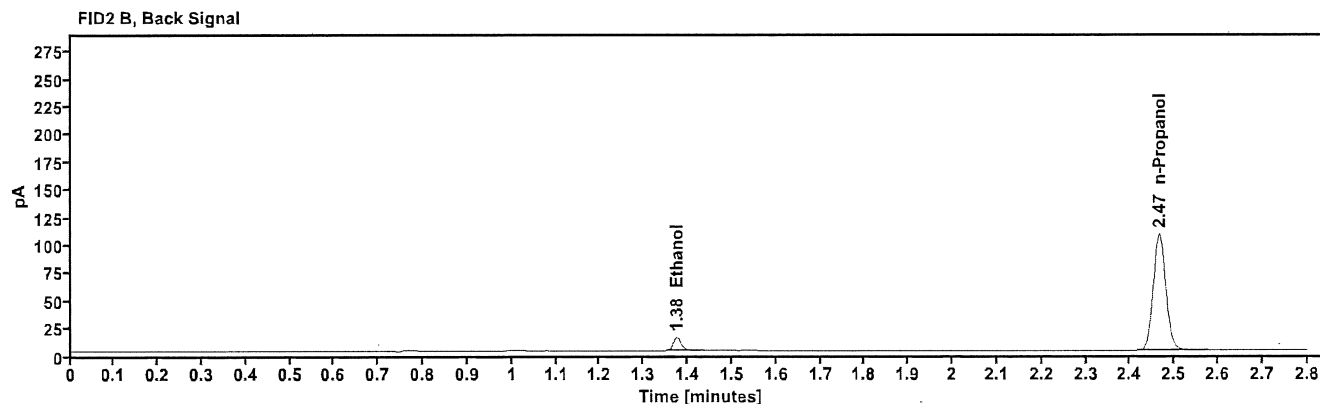
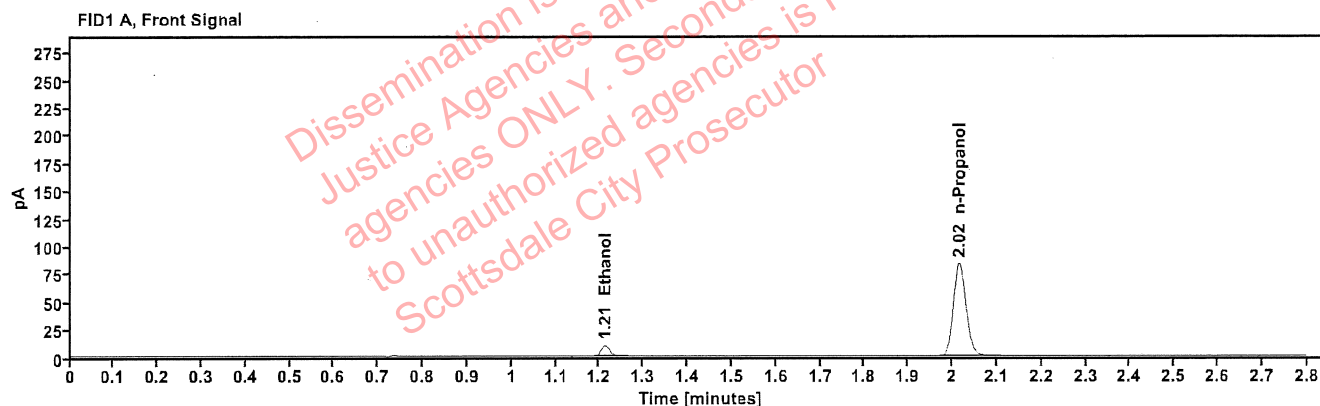


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.212      | 11.709    |
| n-Propanol | 2.016      | 165.103   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.375      | 14.900    |
| n-Propanol | 2.466      | 210.473   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|  |   |
|--|---|
| <b>Sample:</b> FN05311902                      | <b>Vial:</b> 2                              |
| <b>Description:</b> 0.100 calibrator           | <b>Sequence:</b> 02Aug22                    |
| <b>Method:</b> ethanol quant.M                 | <b>Injection date:</b> 8/2/2022 11:51:38 AM |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Abbott <i>JA</i>            |
| <b>Data file:</b> C:\Chem32\1\Data\02Aug22\2.D |   |

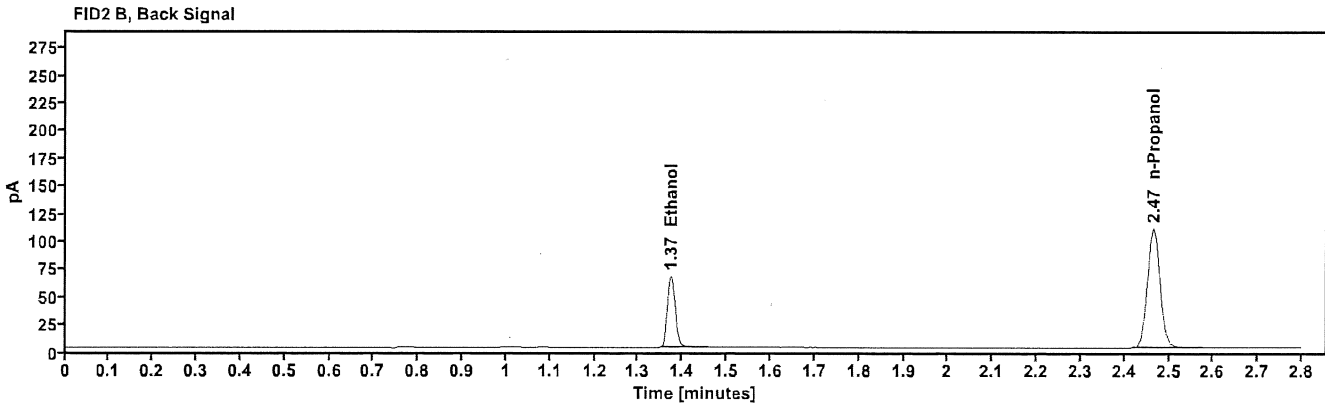
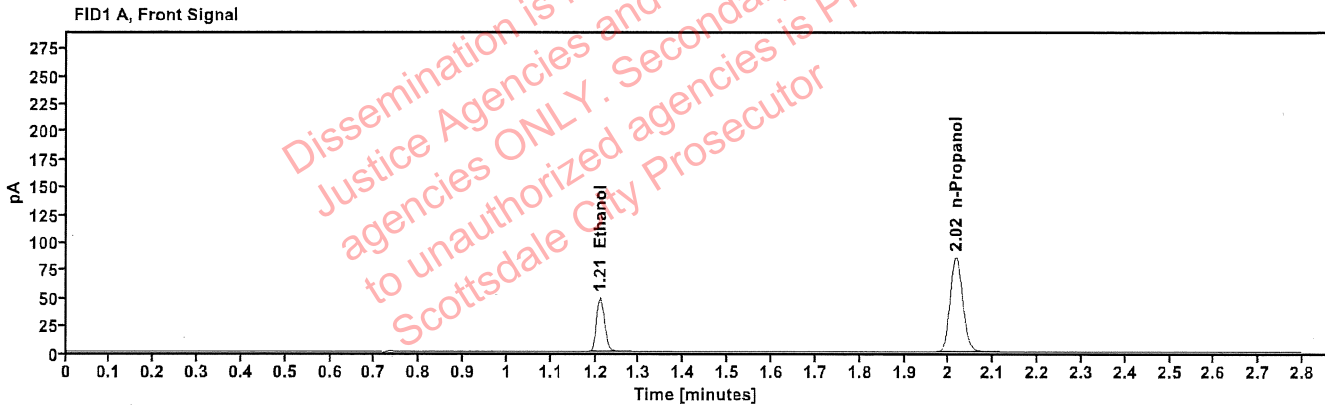


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.210      | 61.316    |
| n-Propanol | 2.016      | 169.358   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.374      | 78.192    |
| n-Propanol | 2.466      | 215.635   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                              |                        |  |
|---------------------|------------------------------|------------------------|--|
| <b>Sample:</b>      | FN02052101                   | <b>Vial:</b>           | 3  |
| <b>Description:</b> | 0.200 calibrator             | <b>Sequence:</b>       | 02Aug22                                      |
| <b>Method:</b>      | ethanol quant.M              | <b>Injection date:</b> | 8/2/2022 11:55:37 AM                         |
| <b>Instrument:</b>  | US14173023 CN14160045        | <b>Analyst:</b>        | Abbott <span style="float: right;">JL</span> |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\3.D |                        |  |

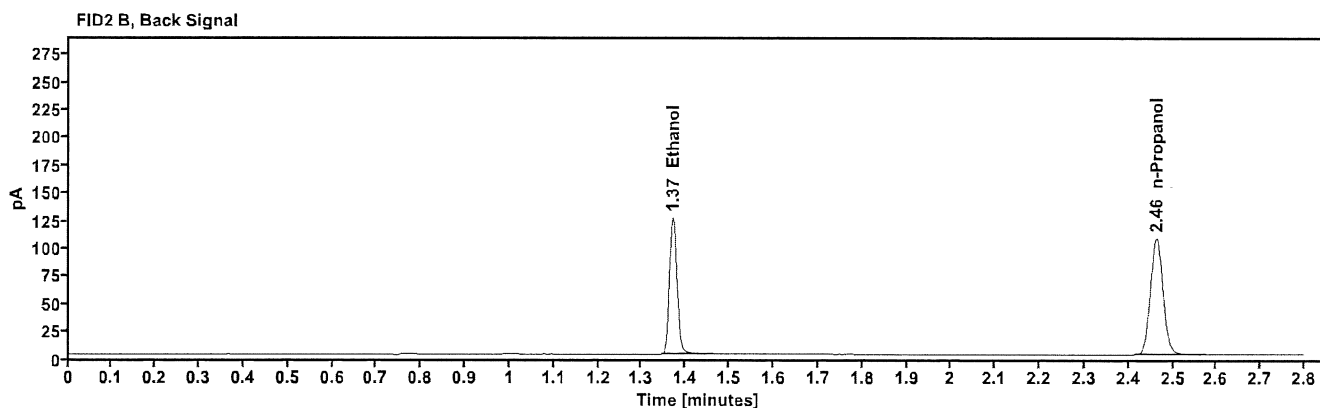
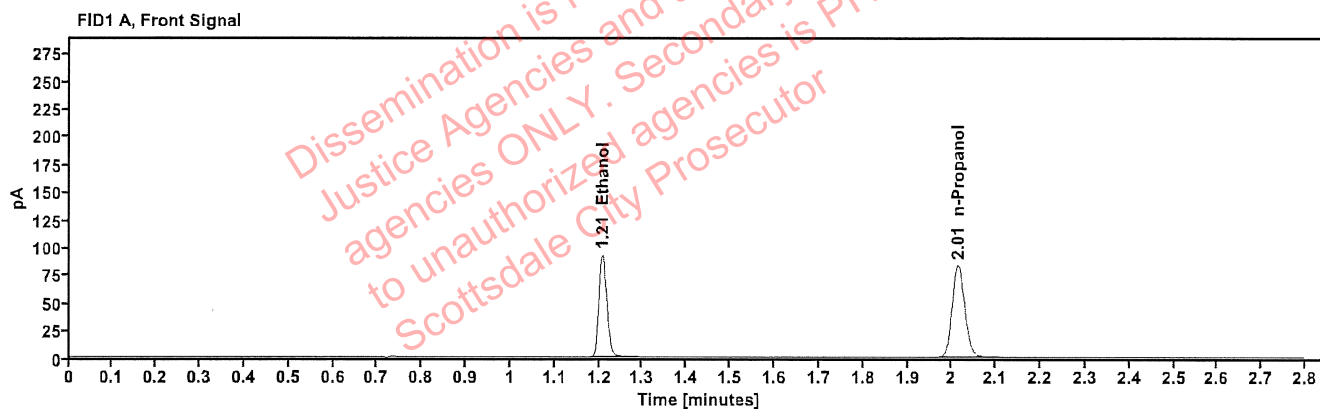


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.208      | 116.950   |
| n-Propanol | 2.014      | 165.569   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.370      | 149.346   |
| n-Propanol | 2.463      | 210.979   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                              |                        |                      |
|---------------------|------------------------------|------------------------|----------------------|
| <b>Sample:</b>      | FN03052102                   | <b>Vial:</b>           | 4                    |
| <b>Description:</b> | 0.400 calibrator             | <b>Sequence:</b>       | 02Aug22              |
| <b>Method:</b>      | ethanol quant.M              | <b>Injection date:</b> | 8/2/2022 11:59:38 AM |
| <b>Instrument:</b>  | US14173023 CN14160045        | <b>Analyst:</b>        | Abbott               |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\4.D |                        |                      |

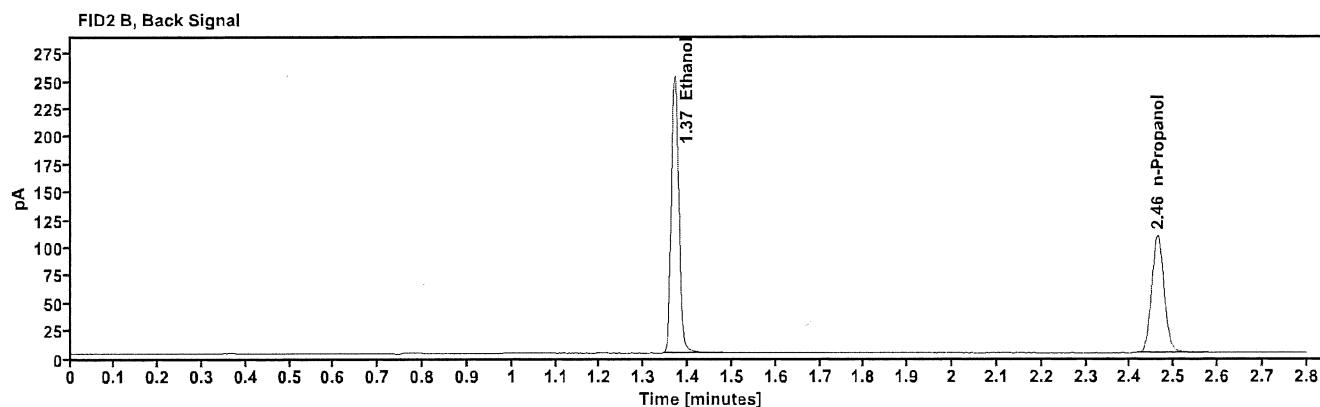
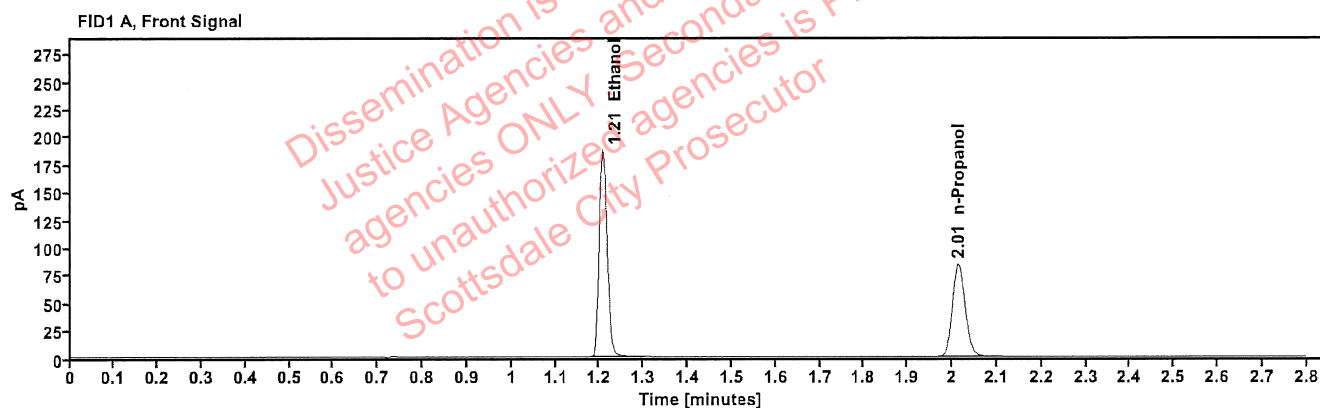


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.207      | 236.311   |
| n-Propanol | 2.014      | 166.426   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.370      | 302.334   |
| n-Propanol | 2.463      | 212.095   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|  |  |
|--|--|
| <b>Sample:</b> 070622AQ                        | <b>Vial:</b> 5   |
| <b>Description:</b> Negative                   | <b>LIMS ID:</b>  |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 02Aug22                                     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Injection date:</b> 8/2/2022 12:03:38 PM                  |
| <b>Data file:</b> C:\Chem32\1\Data\02Aug22\5.D | <b>Analyst:</b> Abbott <span style="float: right;">DB</span> |

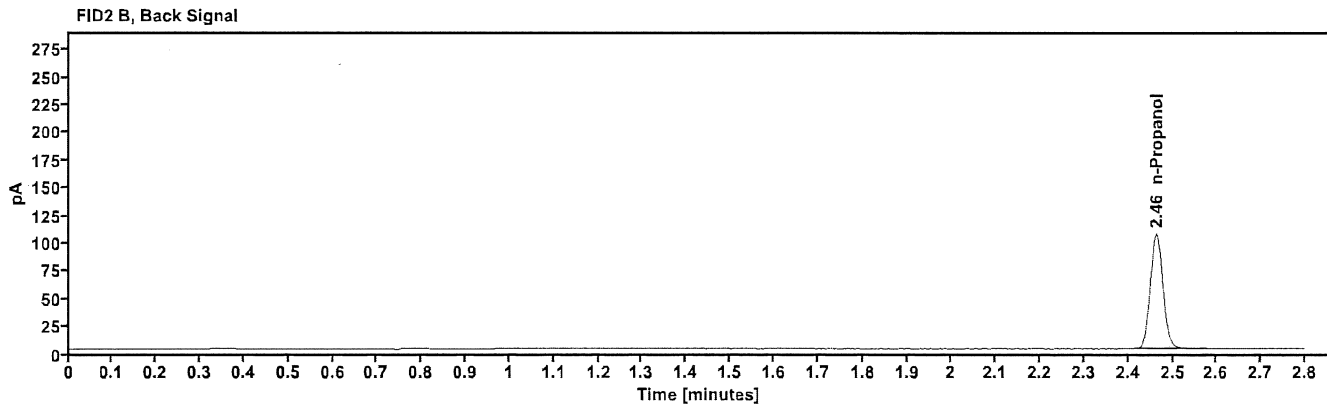
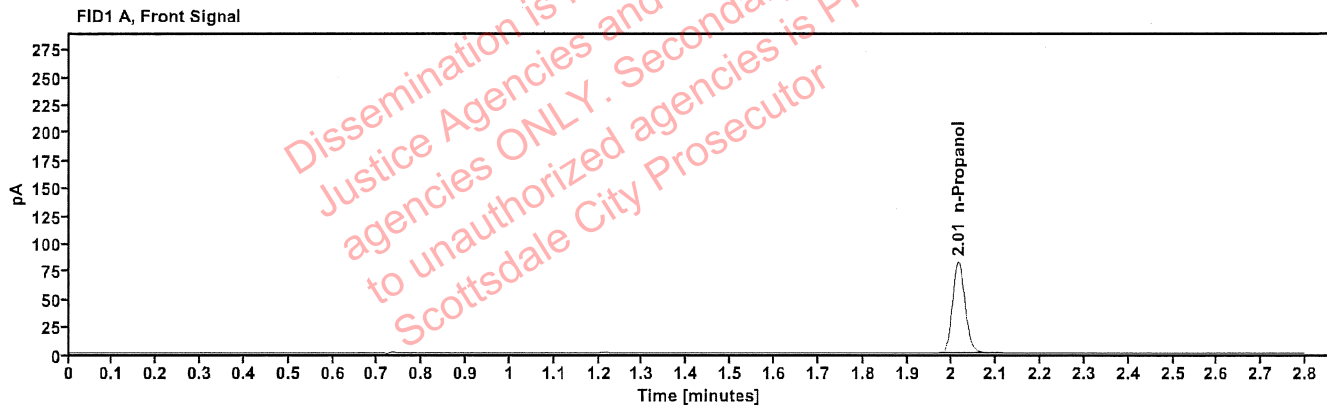


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount<br>(g/100mL) | Time<br>(min) | Peak<br>Area |
|------------|---------------------|---------------|--------------|
| n-Propanol | -----               | 2.014         | 163.297      |

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

| Compound   | Time<br>(min) | Peak<br>Area |
|------------|---------------|--------------|
| n-Propanol | 2.464         | 208.085      |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|  |   |
|--|---|
| <b>Sample:</b> 050721MIX                       | <b>Vial:</b> 6                              |
| <b>Description:</b> Volatiles mix              | <b>LIMS ID:</b>                             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 02Aug22                    |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Injection date:</b> 8/2/2022 12:07:38 PM |
| <b>Data file:</b> C:\Chem32\1\Data\02Aug22\6.D | <b>Analyst:</b> Abbott                      |

*JA*

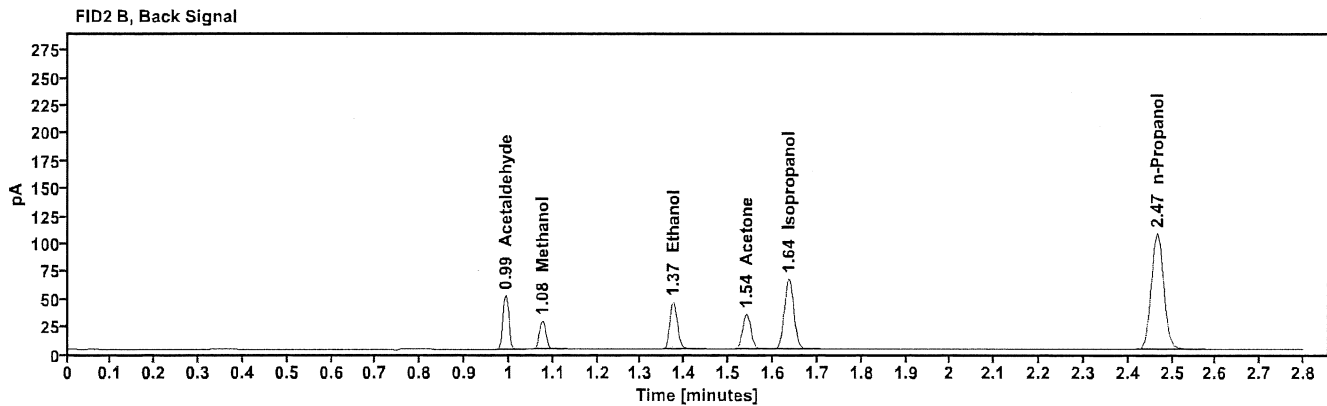
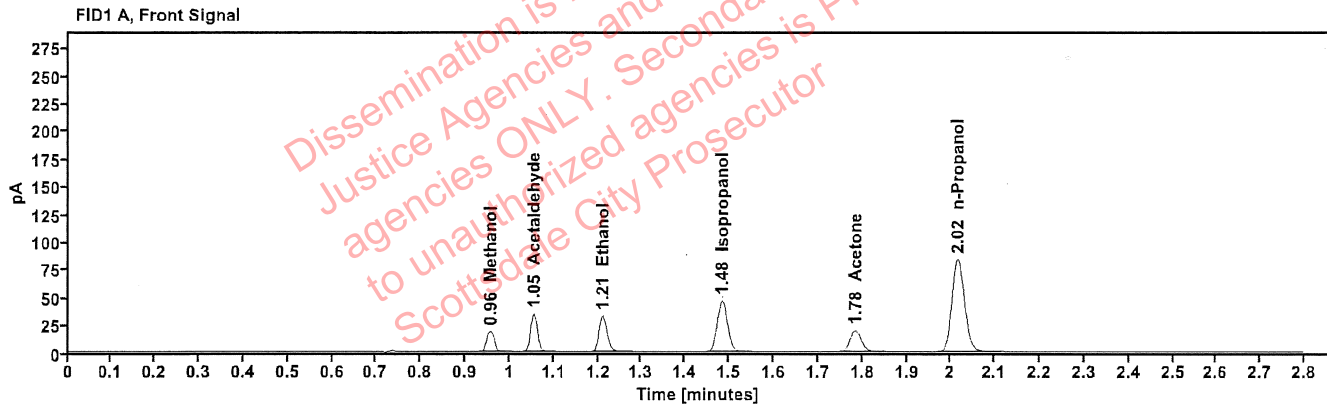


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Methanol     | -----            | 0.957      | 20.603    |
| Acetaldehyde | -----            | 1.055      | 36.819    |
| >Ethanol     | 0.0691           | 1.211      | 40.871    |
| Isopropanol  | -----            | 1.484      | 73.222    |
| Acetone      | -----            | 1.784      | 32.839    |
| n-Propanol   | -----            | 2.016      | 165.588   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.992      | 47.567    |
| Methanol     | 1.075      | 26.730    |
| Ethanol      | 1.374      | 52.130    |
| Acetone      | 1.540      | 41.615    |
| Isopropanol  | 1.635      | 94.834    |
| n-Propanol   | 2.466      | 210.822   |



# Scottsdale Police Department Crime Lab Volatiles Analysis

|  |   |
|--|---|
| <b>Sample:</b> 11092018-A                      | <b>Vial:</b> 7  |
| <b>Description:</b> 0.400                      | <b>LIMS ID:</b>   |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 02Aug22  |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Injection date:</b> 8/2/2022 12:11:53 PM                         |
| <b>Data file:</b> C:\Chem32\1\Data\02Aug22\7.D | <b>Analyst:</b> Abbott <span style="float: right;"><i>JA</i></span> |

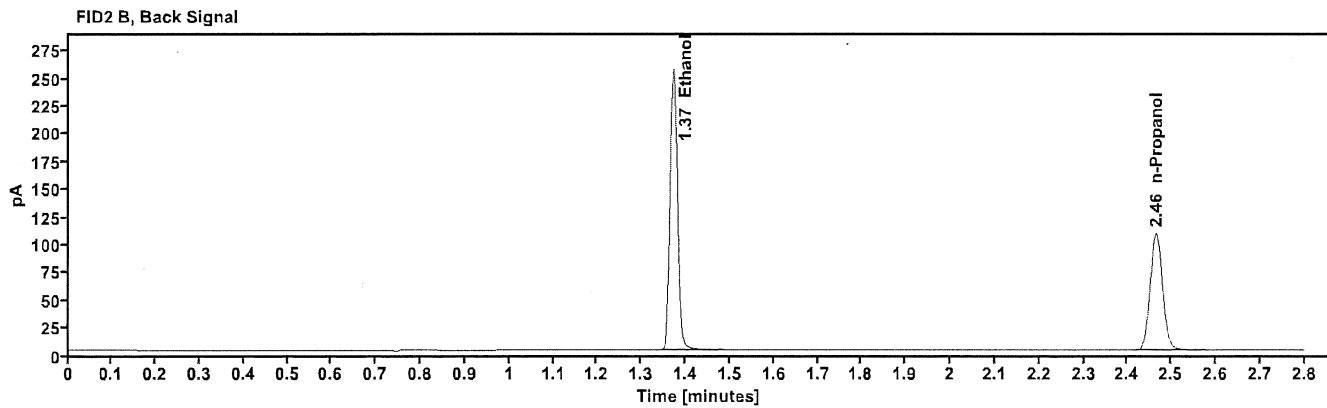
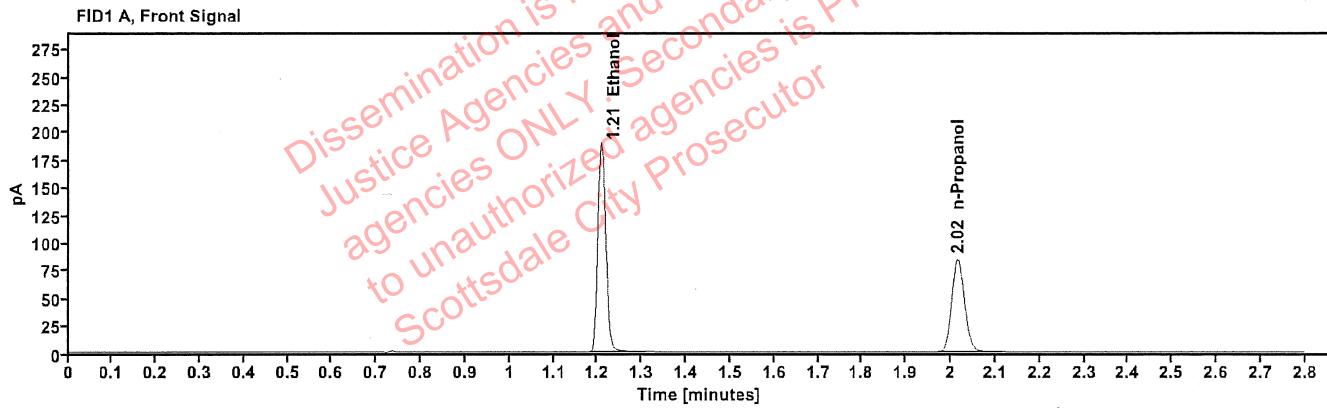


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount<br>(g/100mL) | Time<br>(min) | Peak<br>Area |
|------------|---------------------|---------------|--------------|
| >Ethanol   | 0.4037              | 1.208         | 239.017      |
| n-Propanol | -----               | 2.015         | 166.887      |

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

| Compound   | Time<br>(min) | Peak<br>Area |
|------------|---------------|--------------|
| Ethanol    | 1.372         | 305.999      |
| n-Propanol | 2.465         | 212.459      |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                              |                        |                      |
|---------------------|------------------------------|------------------------|----------------------|
| <b>Sample:</b>      | 14082019-B                   | <b>Vial:</b>           | 8                    |
| <b>Description:</b> | 0.040                        | <b>LIMS ID:</b>        |                      |
| <b>Method:</b>      | ethanol quant.M              | <b>Sequence:</b>       | 02Aug22              |
| <b>Instrument:</b>  | US14173023 CN14160045        | <b>Injection date:</b> | 8/2/2022 12:15:52 PM |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\8.D | <b>Analyst:</b>        | Abbott               |

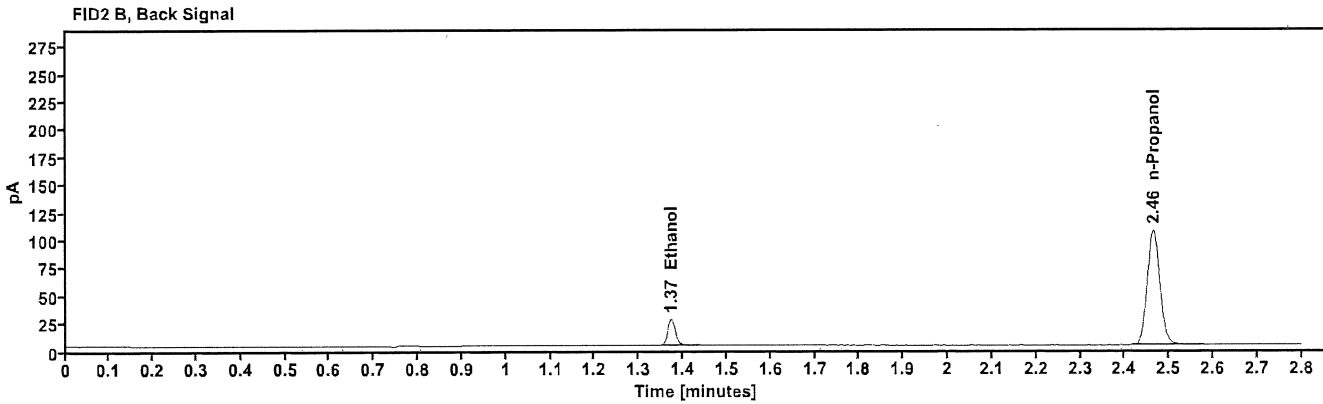
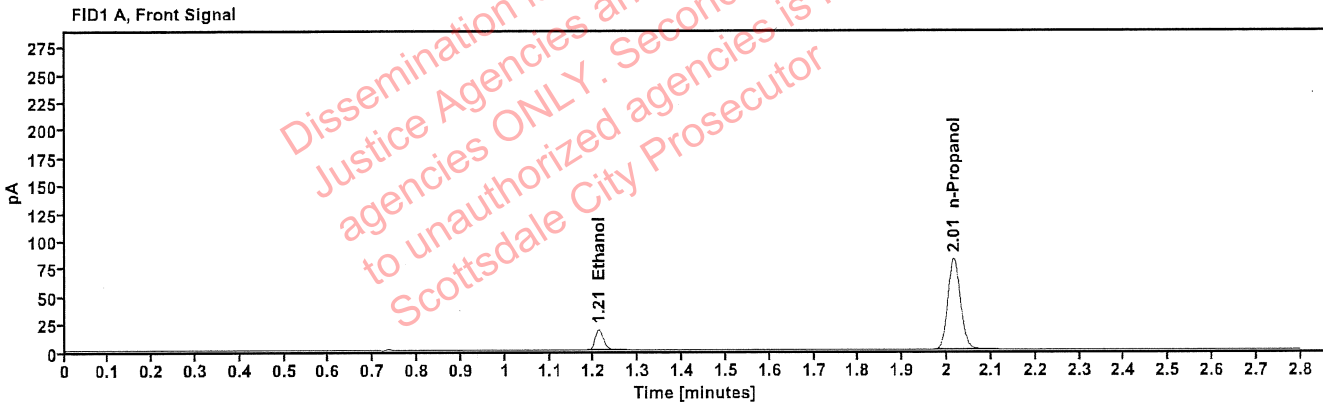


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount<br>(g/100mL) | Time<br>(min) | Peak<br>Area |
|------------|---------------------|---------------|--------------|
| >Ethanol   | 0.0395              | 1.210         | 23.256       |
| n-Propanol | -----               | 2.015         | 163.713      |

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

| Compound   | Time<br>(min) | Peak<br>Area |
|------------|---------------|--------------|
| Ethanol    | 1.373         | 29.487       |
| n-Propanol | 2.464         | 208.587      |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                              |                        |                      |
|---------------------|------------------------------|------------------------|----------------------|
| <b>Sample:</b>      | 4110320133/8                 | <b>Vial:</b>           | 9                    |
| <b>Description:</b> | 0.199                        | <b>LIMS ID:</b>        |                      |
| <b>Method:</b>      | ethanol quant.M              | <b>Sequence:</b>       | 02Aug22              |
| <b>Instrument:</b>  | US14173023 CN14160045        | <b>Injection date:</b> | 8/2/2022 12:19:52 PM |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\9.D | <b>Analyst:</b>        | Abbott               |

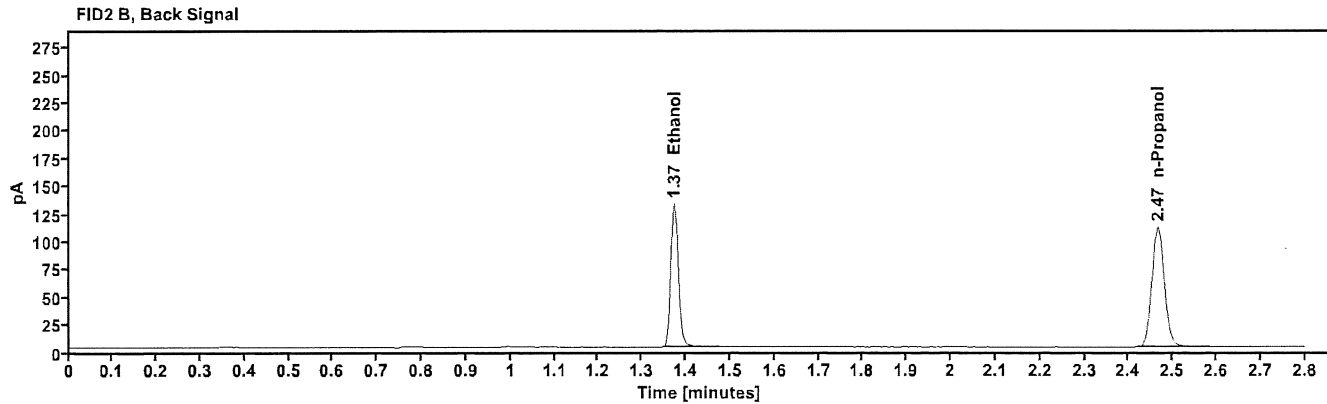
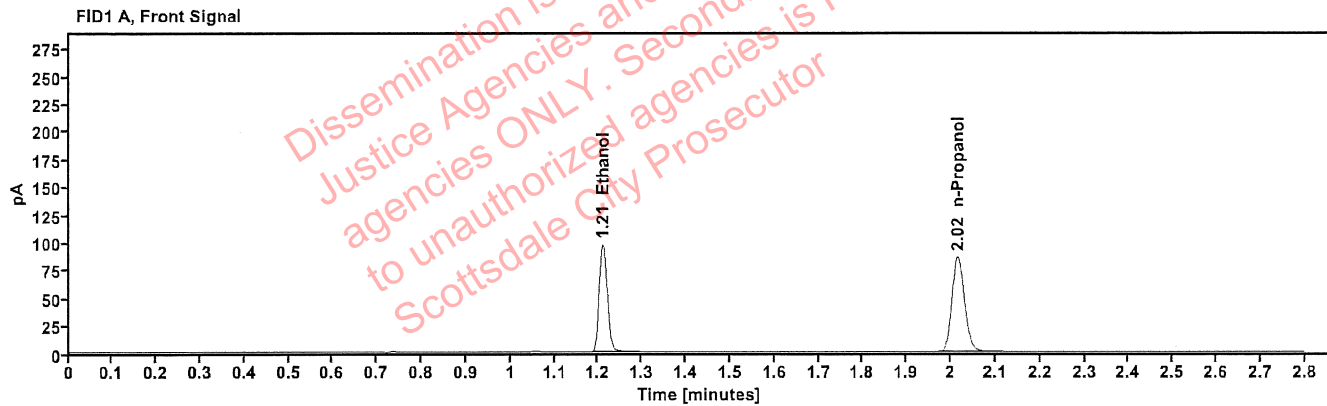


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2027           | 1.210      | 122.672   |
| n-Propanol | -----            | 2.016      | 170.359   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.374      | 156.992   |
| n-Propanol | 2.466      | 217.163   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 20012020-B                    | Vial:           | 20                  |
| Description: | 0.080                         | LIMS ID:        |                     |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:04:22 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\20.D | Analyst:        | Abbott              |

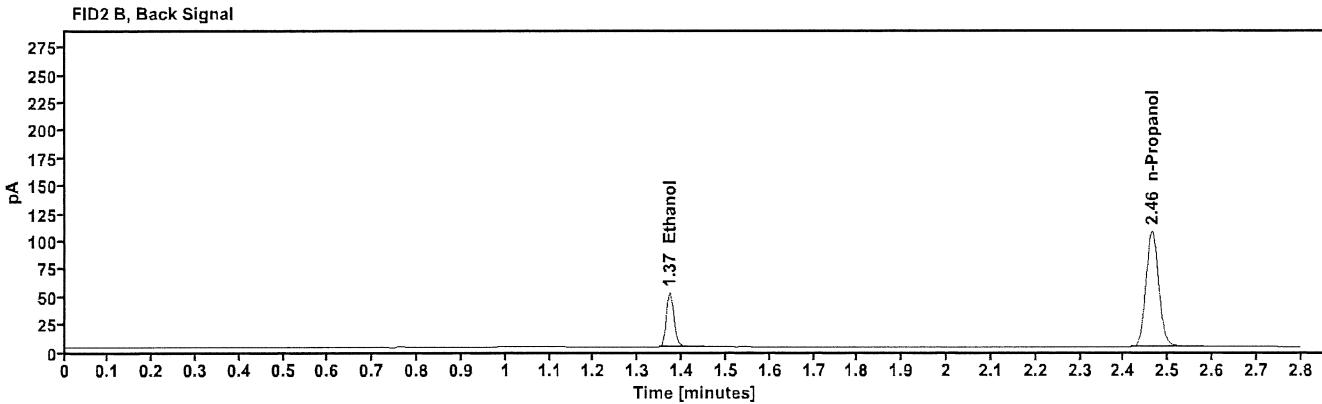
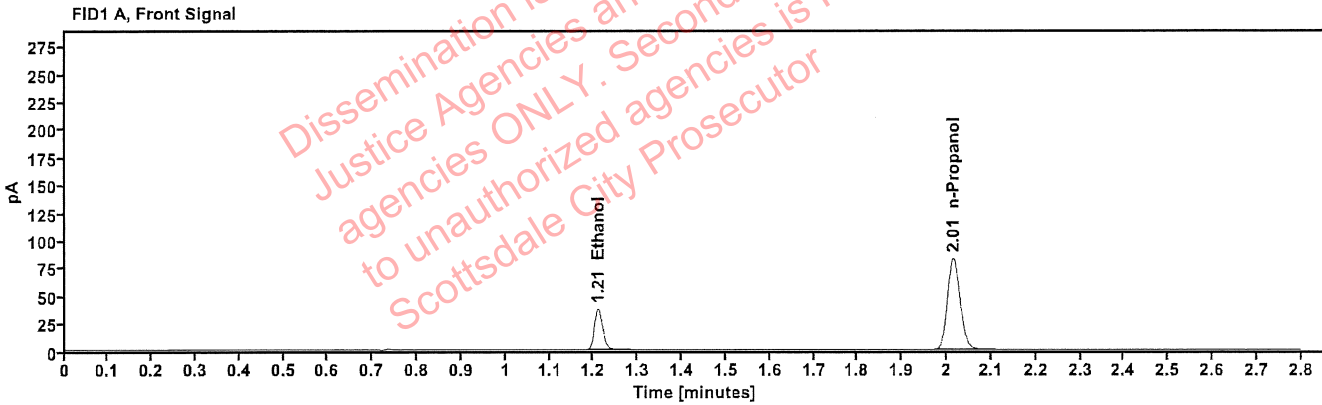


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0794           | 1.209      | 46.849    |
| n-Propanol | ---              | 2.015      | 165.197   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.372      | 59.735    |
| n-Propanol | 2.464      | 210.539   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                               |                        |  |
|---------------------|-------------------------------|------------------------|--|
| <b>Sample:</b>      | 20012020-B                    | <b>Vial:</b>           | 31   |
| <b>Description:</b> | 0.080                         | <b>LIMS ID:</b>        |  |
| <b>Method:</b>      | ethanol quant.M               | <b>Sequence:</b>       | 02Aug22                                      |
| <b>Instrument:</b>  | US14173023 CN14160045         | <b>Injection date:</b> | 8/2/2022 1:48:52 PM                          |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\31.D | <b>Analyst:</b>        | Abbott <span style="float: right;">AA</span> |

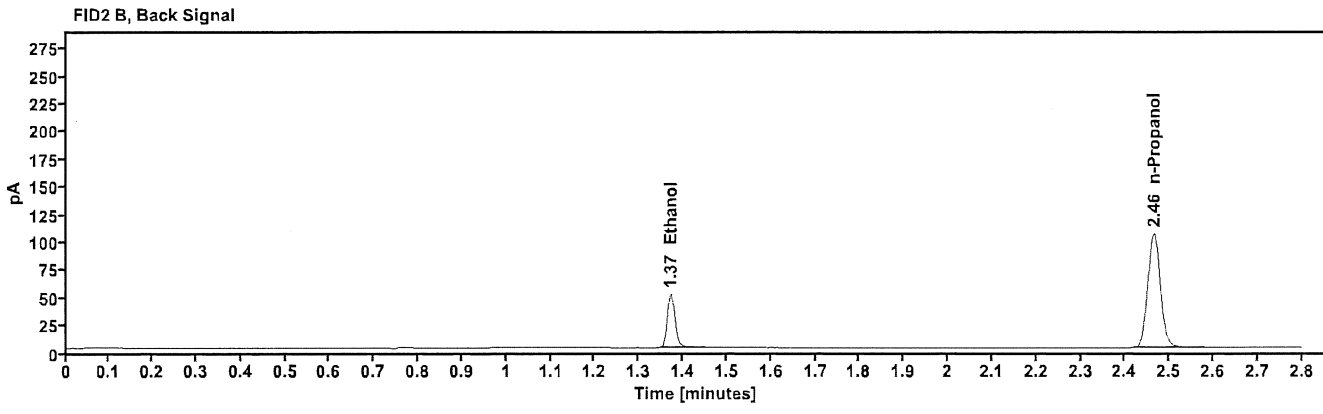
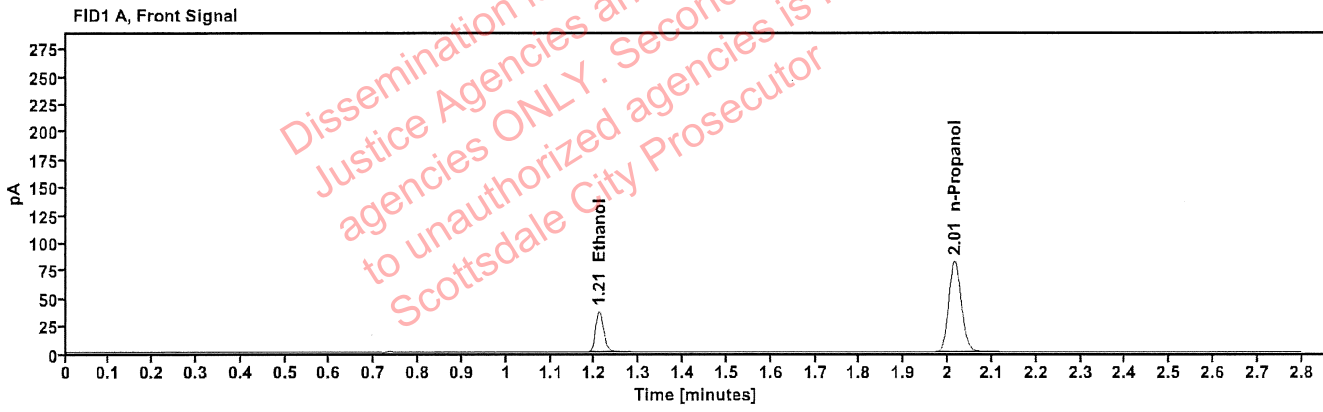


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0797           | 1.210      | 46.522    |
| n-Propanol | -----            | 2.015      | 163.500   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.372      | 59.275    |
| n-Propanol | 2.465      | 208.111   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                               |                        |  |
|---------------------|-------------------------------|------------------------|--|
| <b>Sample:</b>      | 11092018-A                    | <b>Vial:</b>           | 42   |
| <b>Description:</b> | 0.400                         | <b>LIMS ID:</b>        |  |
| <b>Method:</b>      | ethanol quant.M               | <b>Sequence:</b>       | 02Aug22                                      |
| <b>Instrument:</b>  | US14173023 CN14160045         | <b>Injection date:</b> | 8/2/2022 2:33:07 PM                          |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\42.D | <b>Analyst:</b>        | Abbott <span style="float: right;">DS</span> |

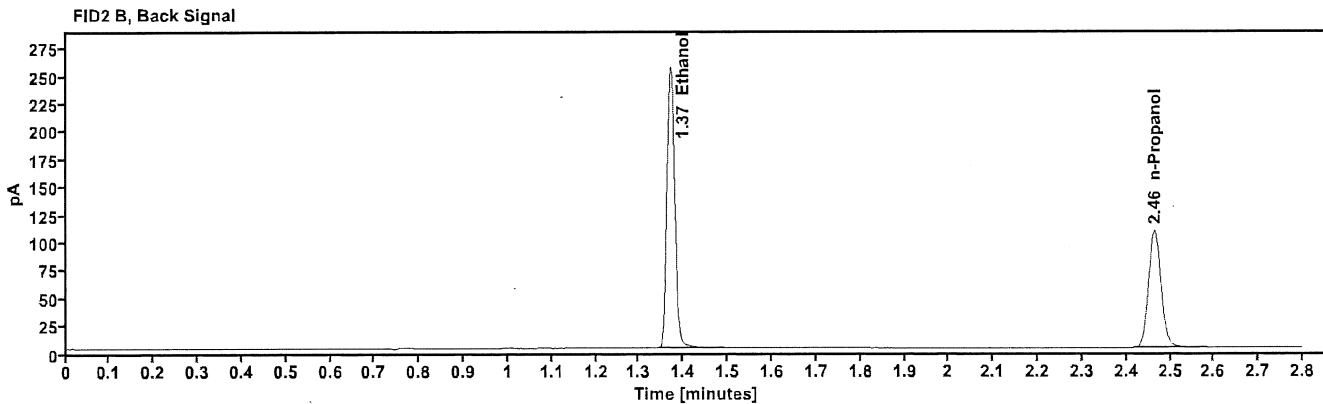
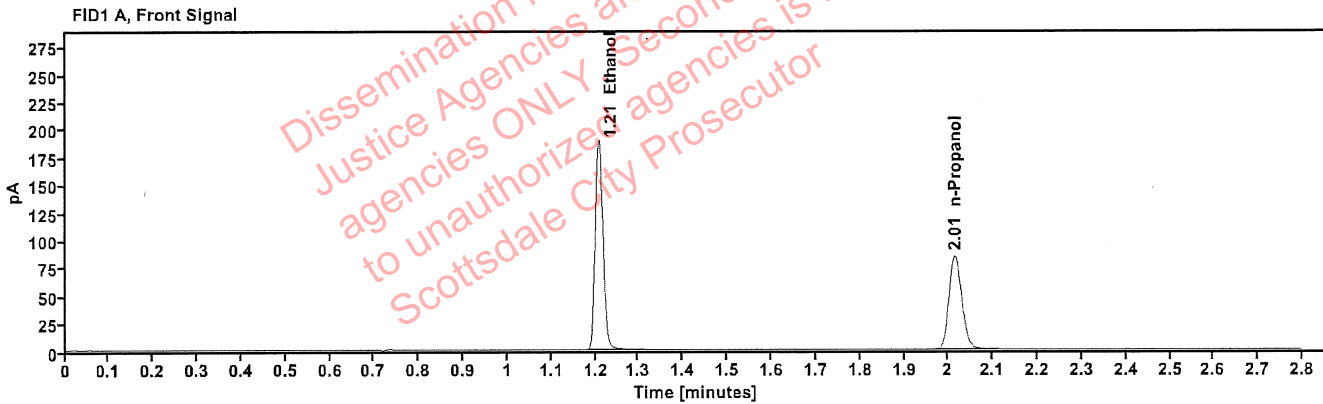


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.4035           | 1.208      | 239.842   |
| n-Propanol | -----            | 2.015      | 167.535   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.371      | 307.434   |
| n-Propanol | 2.464      | 213.711   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                               |                        |                     |
|---------------------|-------------------------------|------------------------|---------------------|
| <b>Sample:</b>      | 14082019-B                    | <b>Vial:</b>           | 43                  |
| <b>Description:</b> | 0.040                         | <b>LIMS ID:</b>        |                     |
| <b>Method:</b>      | ethanol quant.M               | <b>Sequence:</b>       | 02Aug22             |
| <b>Instrument:</b>  | US14173023 CN14160045         | <b>Injection date:</b> | 8/2/2022 2:37:23 PM |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\43.D | <b>Analyst:</b>        | Abbott <i>JA</i>    |

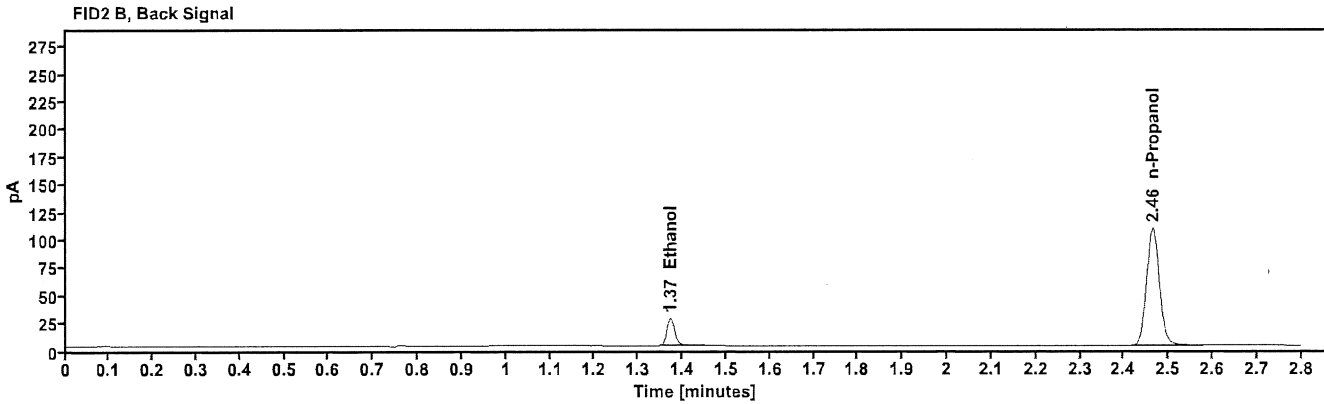
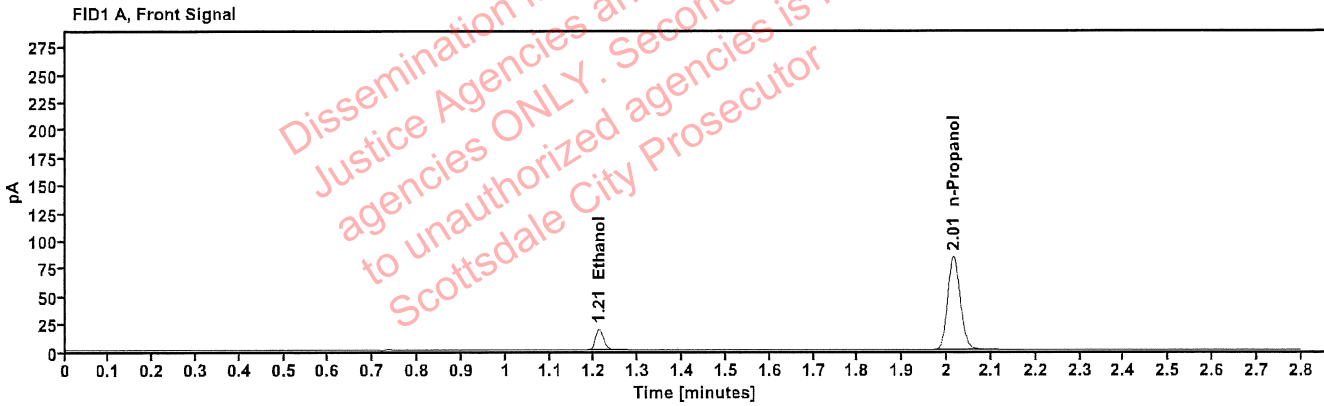


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0396           | 1.210      | 23.908    |
| n-Propanol | -----            | 2.015      | 167.673   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 30.526    |
| n-Propanol | 2.464      | 213.444   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |   |
|--------------|-------------------------------|-----------------|---|
| Sample:      | 4110320133/8                  | Vial:           | 44  |
| Description: | 0.199                         | LIMS ID:        |   |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22   |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:41:22 PM                                   |
| Data file:   | C:\Chem32\1\Data\02Aug22\44.D | Analyst:        | Abbott <span style="float: right;">[Signature]</span> |

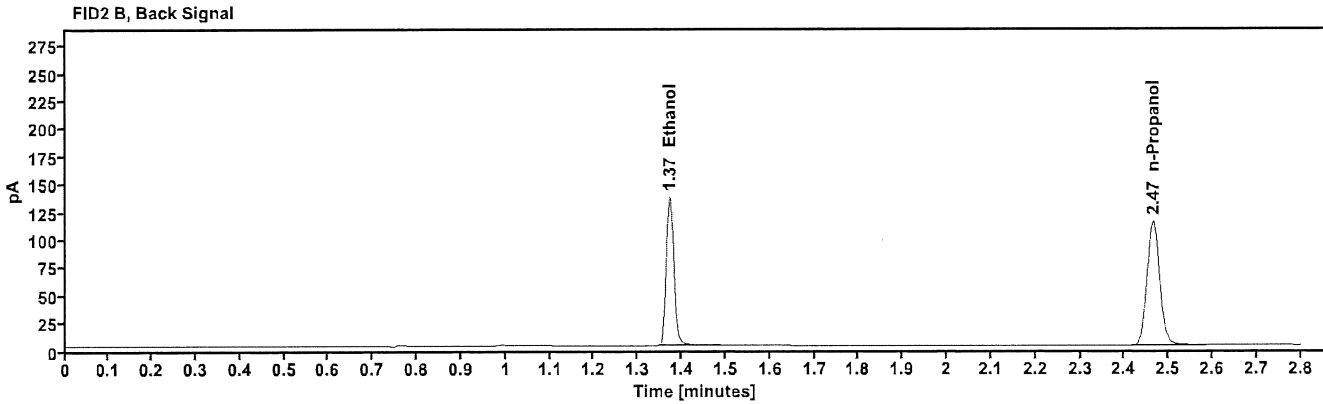
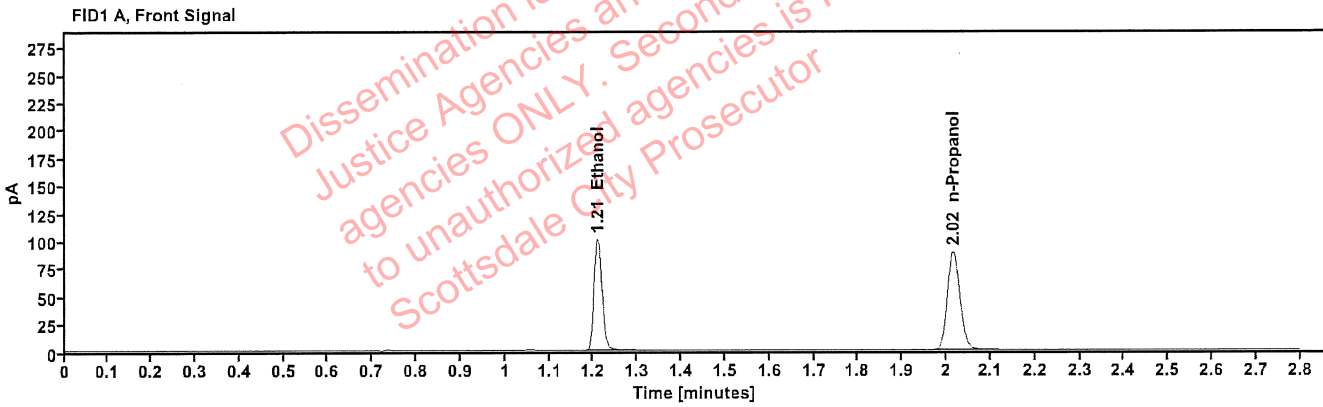


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2030           | 1.209      | 127.631   |
| n-Propanol | -----            | 2.015      | 176.989   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.372      | 163.740   |
| n-Propanol | 2.465      | 225.514   |



# Scottsdale Police Department Crime Lab Volatiles Analysis

|                     |                               |                        |  |
|---------------------|-------------------------------|------------------------|--|
| <b>Sample:</b>      | 101921WB                      | <b>Vial:</b>           | 45   |
| <b>Description:</b> | Negative                      | <b>LIMS ID:</b>        |  |
| <b>Method:</b>      | ethanol quant.M               | <b>Sequence:</b>       | 02Aug22                                      |
| <b>Instrument:</b>  | US14173023 CN14160045         | <b>Injection date:</b> | 8/2/2022 2:45:22 PM                          |
| <b>Data file:</b>   | C:\Chem32\1\Data\02Aug22\45.D | <b>Analyst:</b>        | Abbott <span style="float: right;">JA</span> |

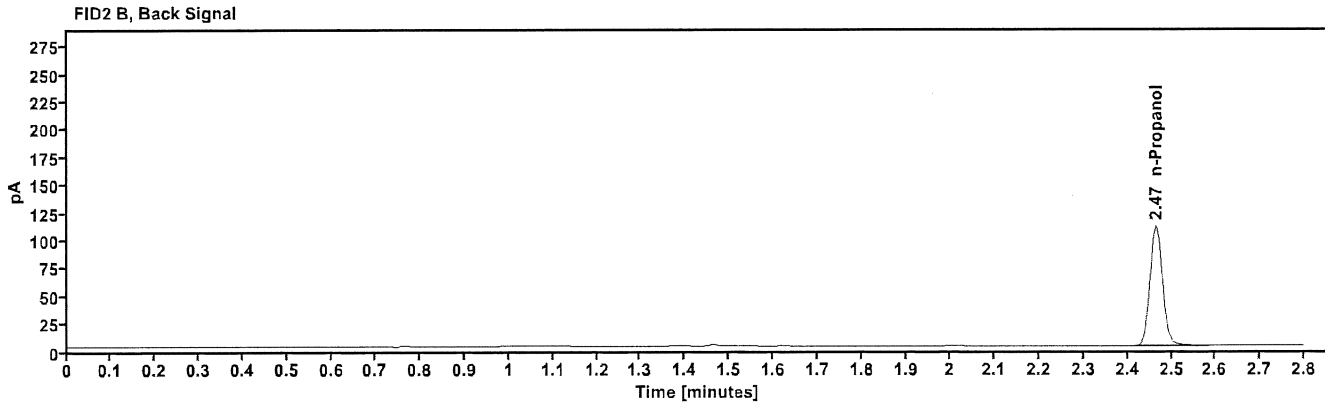
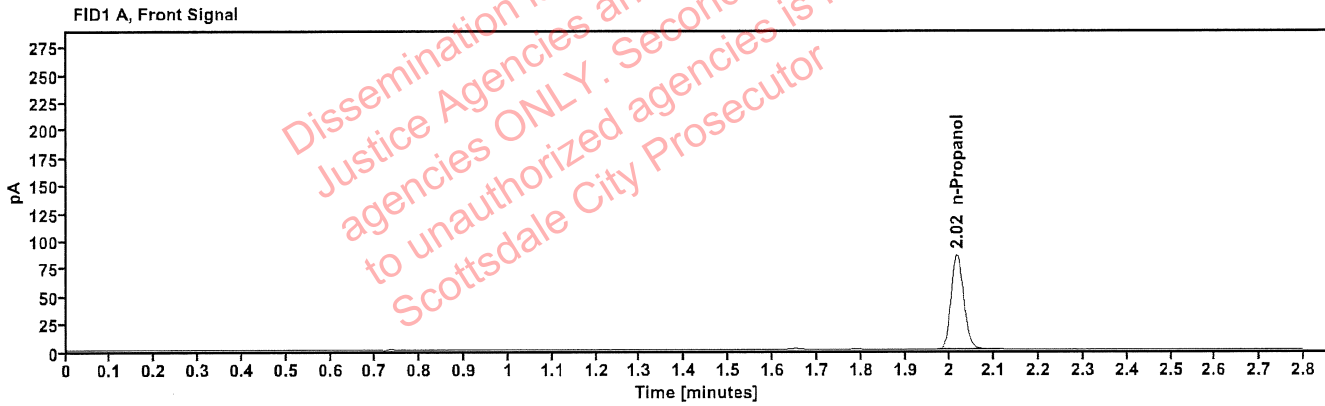


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| n-Propanol | -----            | 2.015      | 170.293   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| n-Propanol | 2.465      | 217.525   |

# Sequence Summary

Sequence name: 02Aug22      Instrument: US14173023 CN14160045      Analyst: Abbott

| Vial | Sample       | Description      | Type        | LIMS ID | Method          |
|------|--------------|------------------|-------------|---------|-----------------|
| 1    | FN10051909   | 0.020 calibrator | Calibration |         | ethanol quant.M |
| 2    | FN05311902   | 0.100 calibrator | Calibration |         | ethanol quant.M |
| 3    | FN02052101   | 0.200 calibrator | Calibration |         | ethanol quant.M |
| 4    | FN03052102   | 0.400 calibrator | Calibration |         | ethanol quant.M |
| 5    | 070622AQ     | Negative         | Control     |         | ethanol quant.M |
| 6    | 050721MIX    | Volatiles mix    | Control     |         | ethanol quant.M |
| 7    | 11092018-A   | 0.400            | Control     |         | ethanol quant.M |
| 8    | 14082019-B   | 0.040            | Control     |         | ethanol quant.M |
| 9    | 4110320133/8 | 0.199            | Control     |         | ethanol quant.M |
| 10   | 956821       |                  | Sample      |         | ethanol quant.M |
| 11   | 956821       |                  | Sample      |         | ethanol quant.M |
| 12   | 1431676      |                  | Sample      |         | ethanol quant.M |
| 13   | 1431676      |                  | Sample      |         | ethanol quant.M |
| 14   | 1431893      |                  | Sample      |         | ethanol quant.M |
| 15   | 1431893      |                  | Sample      |         | ethanol quant.M |
| 16   | 1431886      |                  | Sample      |         | ethanol quant.M |
| 17   | 1431886      |                  | Sample      |         | ethanol quant.M |
| 18   | 38401NV      |                  | Sample      |         | ethanol quant.M |
| 19   | 38401NV      |                  | Sample      |         | ethanol quant.M |
| 20   | 20012020-B   | 0.080            | Control     |         | ethanol quant.M |
| 21   | 32701LN      |                  | Sample      |         | ethanol quant.M |
| 22   | 32701LN      |                  | Sample      |         | ethanol quant.M |
| 23   | 32701DH      |                  | Sample      |         | ethanol quant.M |
| 24   | 32701DH      |                  | Sample      |         | ethanol quant.M |
| 25   | 40501ES      |                  | Sample      |         | ethanol quant.M |
| 26   | 40501ES      |                  | Sample      |         | ethanol quant.M |
| 27   | 40701AL      |                  | Sample      |         | ethanol quant.M |
| 28   | 40701AL      |                  | Sample      |         | ethanol quant.M |
| 29   | 1429820      |                  | Sample      |         | ethanol quant.M |
| 30   | 1429820      |                  | Sample      |         | ethanol quant.M |
| 31   | 20012020-B   | 0.080            | Control     |         | ethanol quant.M |
| 32   | 1431941      |                  | Sample      |         | ethanol quant.M |
| 33   | 1431941      |                  | Sample      |         | ethanol quant.M |
| 34   | 1431974      |                  | Sample      |         | ethanol quant.M |
| 35   | 1431974      |                  | Sample      |         | ethanol quant.M |
| 36   | 1402721      |                  | Sample      |         | ethanol quant.M |
| 37   | 1402721      |                  | Sample      |         | ethanol quant.M |
| 38   | 1431797      |                  | Sample      |         | ethanol quant.M |
| 39   | 1431797      |                  | Sample      |         | ethanol quant.M |
| 40   | 1432257      |                  | Sample      |         | ethanol quant.M |
| 41   | 1432257      |                  | Sample      |         | ethanol quant.M |
| 42   | 11092018-A   | 0.400            | Control     |         | ethanol quant.M |
| 43   | 14082019-B   | 0.040            | Control     |         | ethanol quant.M |
| 44   | 4110320133/8 | 0.199            | Control     |         | ethanol quant.M |
| 45   | 101921WB     | Negative         | Control     |         | ethanol quant.M |

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 02Aug22

ANALYST: Abbott *AK*

| Vials | Test 1 (g/dL) | Test 2 (g/dL) | Mean (g/dL) | Percent Difference* | Absolute Difference (g/dL)* |
|-------|---------------|---------------|-------------|---------------------|-----------------------------|
| 10 11 | 0.2124        | 0.2116        | 0.21200     | 0.19                | 0.00040                     |
| 12 13 | 0.0731        | 0.0733        | 0.07320     | 0.14                | 0.00010                     |
| 14 15 | 0.2662        | 0.2686        | 0.26740     | 0.45                | 0.00120                     |
| 16 17 | 0.2653        | 0.2651        | 0.26520     | 0.04                | 0.00010                     |
| 18 19 | 0.1658        | 0.1663        | 0.16605     | 0.15                | 0.00025                     |
| 21 22 | 0.0653        | 0.0650        | 0.06515     | 0.23                | 0.00015                     |
| 23 24 | 0.0649        | 0.0646        | 0.06475     | 0.23                | 0.00015                     |
| 25 26 | 0.2443        | 0.2400        | 0.24215     | 0.89                | 0.00215                     |
| 27 28 | 0.1854        | 0.1858        | 0.18560     | 0.11                | 0.00020                     |
| 29 30 | 0.0755        | 0.0781        | 0.07680     | 1.69                | 0.00130                     |
| 32 33 | 0.0691        | 0.0687        | 0.06890     | 0.29                | 0.00020                     |
| 34 35 | 0.1781        | 0.1782        | 0.17815     | 0.03                | 0.00005                     |
| 36 37 | 0.1687        | 0.1688        | 0.16875     | 0.03                | 0.00005                     |
| 38 39 | 0.1004        | 0.1015        | 0.10095     | 0.54                | 0.00055                     |
| 40 41 | 0.1329        | 0.1361        | 0.13450     | 1.19                | 0.00160                     |

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 956821                        | Vial:           | 10                   |
| Description: |                               | LIMS ID:        |                      |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:23:53 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\10.D | Analyst:        | Abbott               |

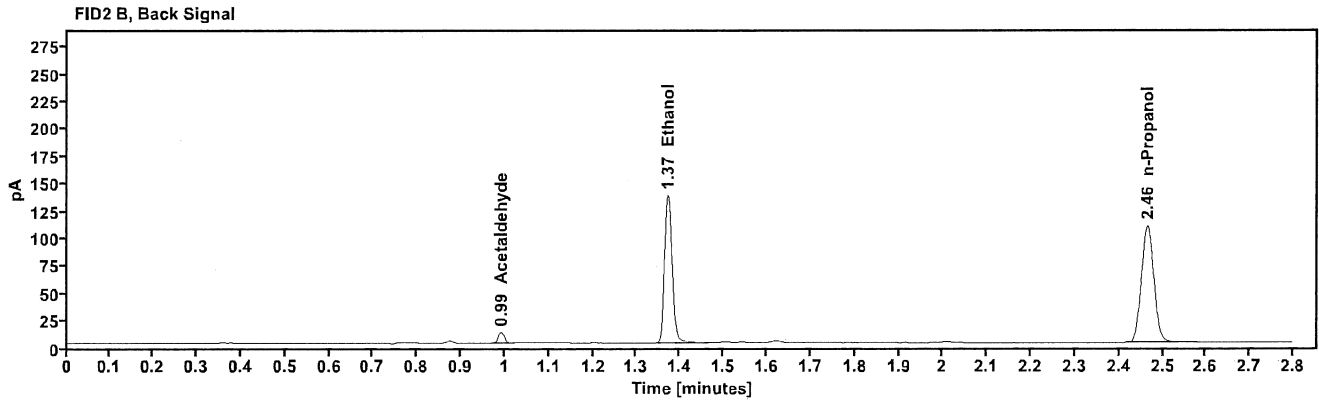
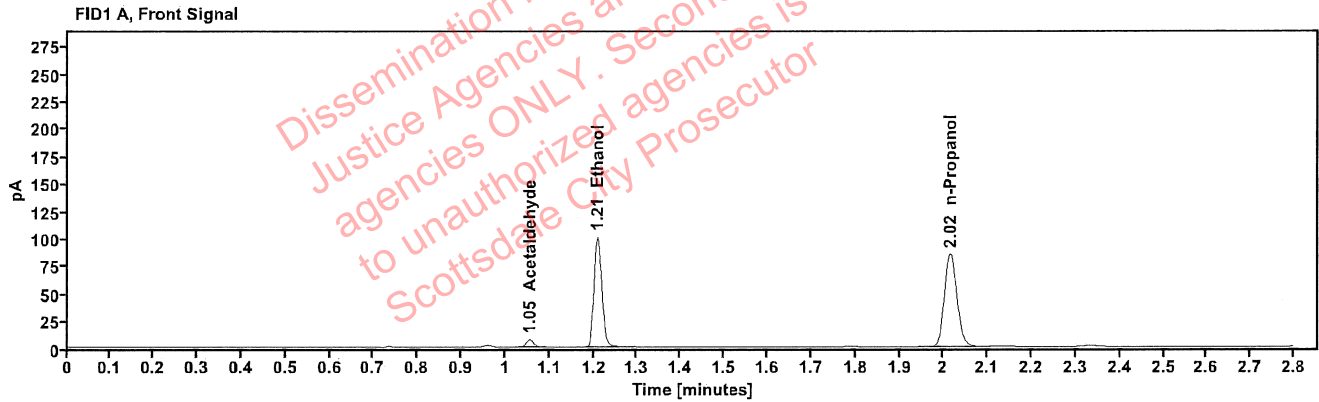


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.055      | 7.370     |
| >Ethanol     | 0.2124           | 1.209      | 127.812   |
| n-Propanol   | -----            | 2.015      | 169.379   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.992      | 9.580     |
| Ethanol      | 1.372      | 164.905   |
| n-Propanol   | 2.465      | 214.938   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 956821                        | Vial:           | 11                   |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]           |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:27:52 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\11.D | Analyst:        | Abbott               |

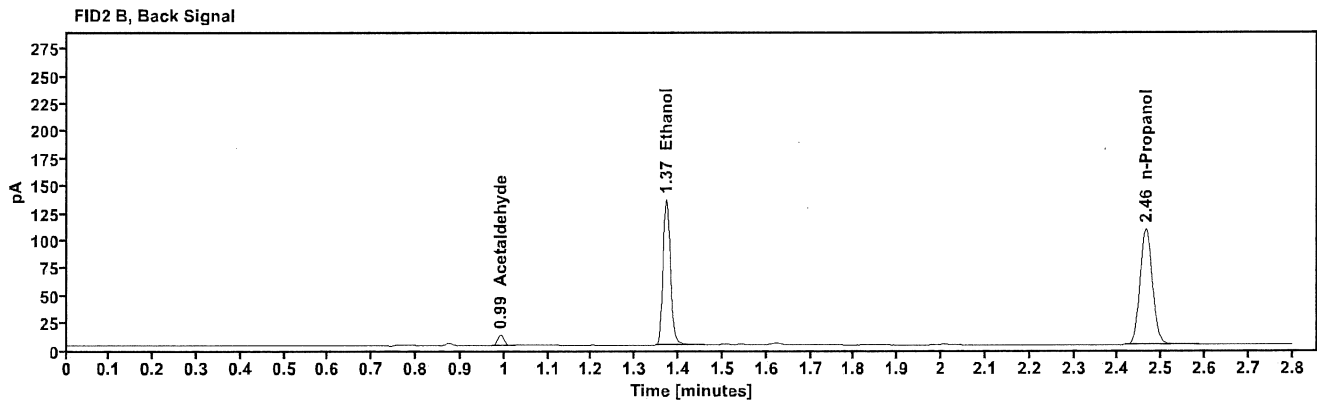
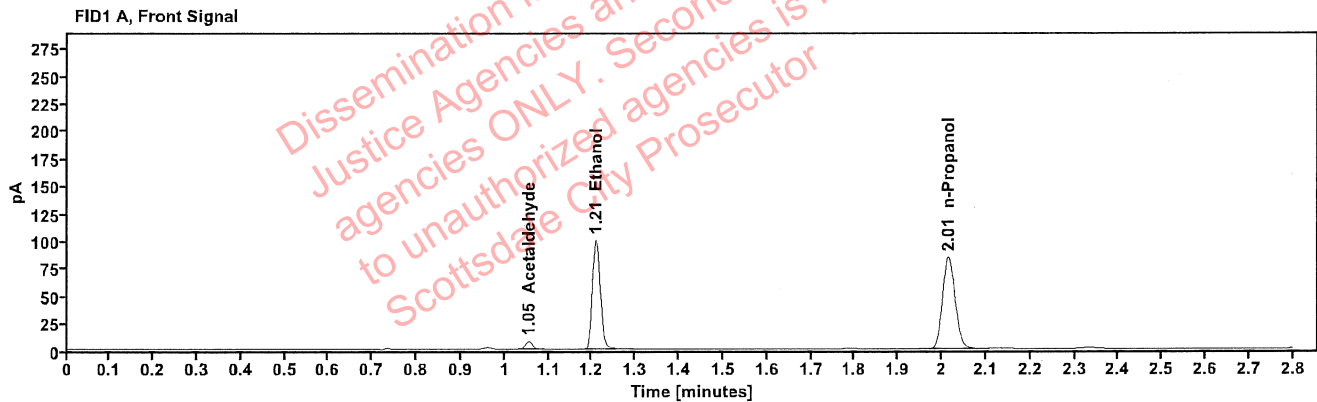


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.055      | 7.380     |
| >Ethanol     | 0.2116           | 1.209      | 126.335   |
| n-Propanol   | -----            | 2.015      | 168.096   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.991      | 9.593     |
| Ethanol      | 1.371      | 161.736   |
| n-Propanol   | 2.464      | 213.545   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 1431676                       | Vial:           | 12                   |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]           |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:31:52 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\12.D | Analyst:        | Abbott               |

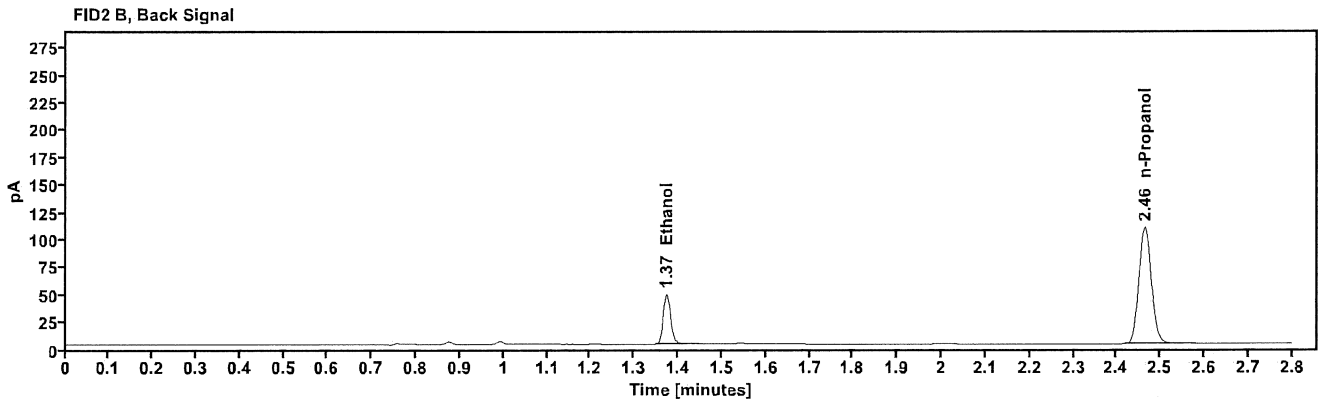
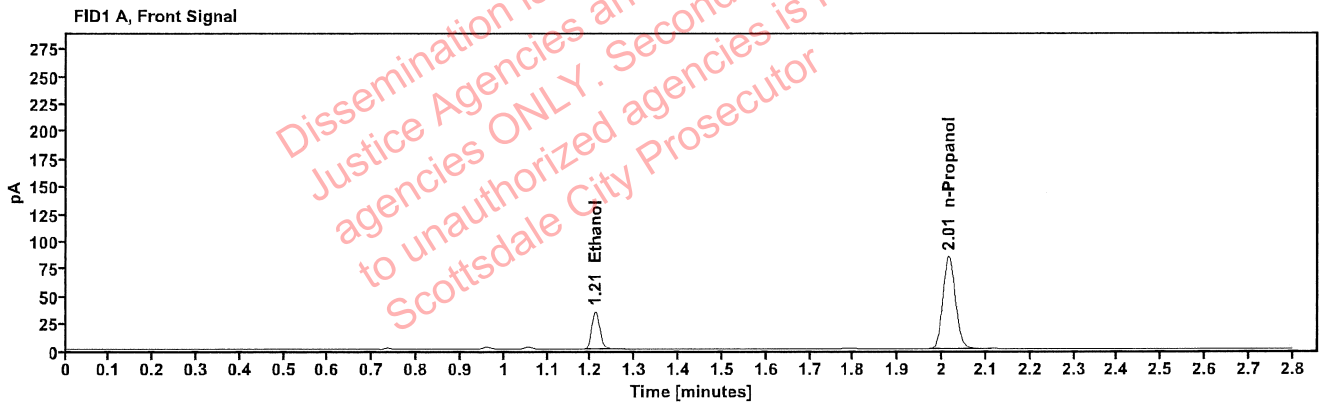


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0731           | 1.210      | 43.947    |
| n-Propanol | -----            | 2.015      | 168.283   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 55.900    |
| n-Propanol | 2.465      | 214.723   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 1431676                       | Vial:           | 13                   |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]           |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:36:08 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\13.D | Analyst:        | Abbott               |

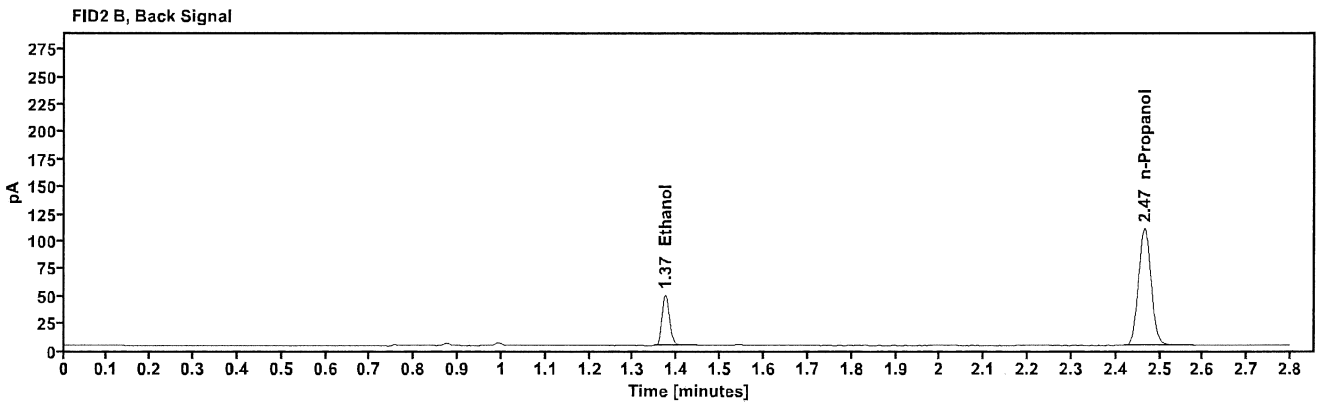
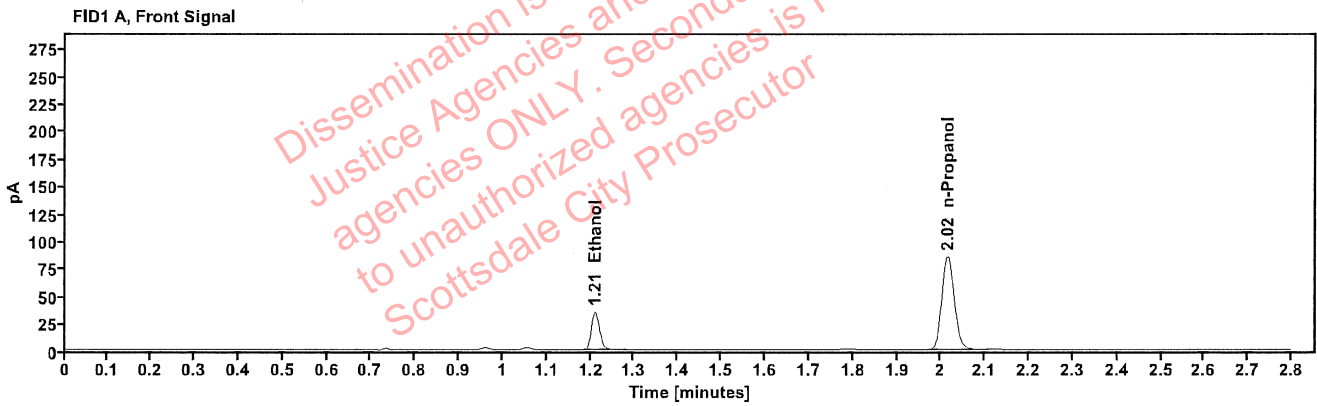


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0733           | 1.210      | 44.362    |
| n-Propanol | -----            | 2.015      | 169.318   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 56.390    |
| n-Propanol | 2.465      | 215.874   |



### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 1431893                       | Vial:           | 14                   |
| Description: |                               | LIMS ID:        |                      |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:40:07 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\14.D | Analyst:        | Abbott               |

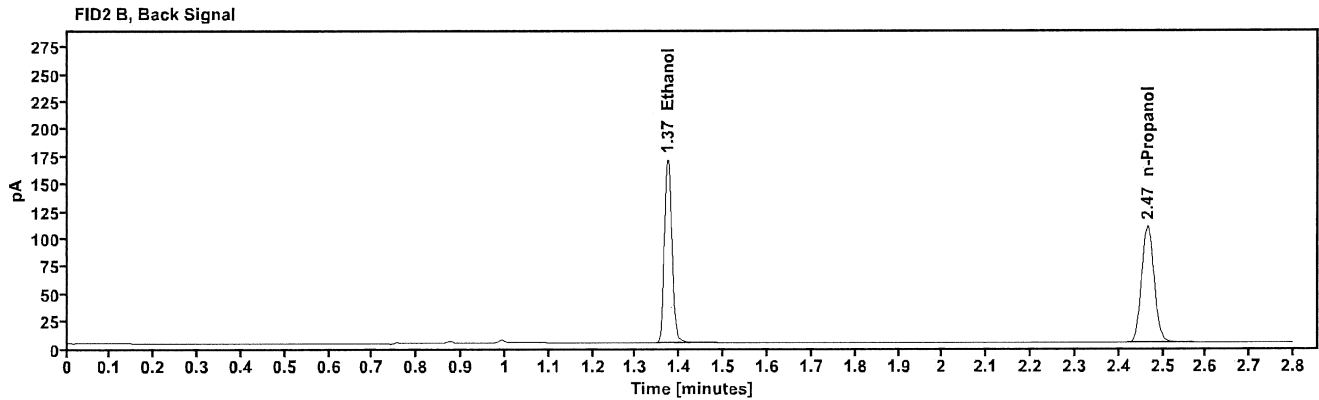
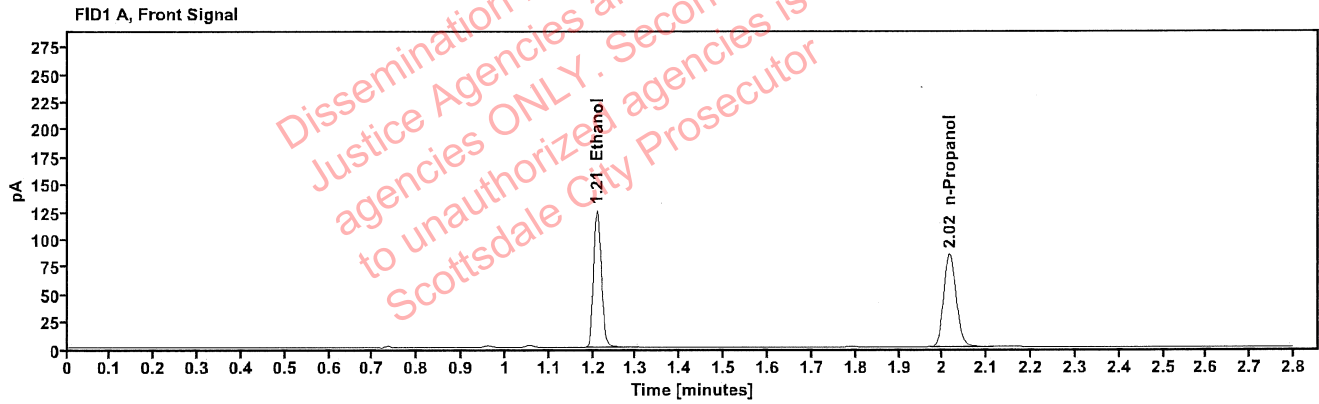


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2662           | 1.209      | 159.041   |
| n-Propanol | -----            | 2.016      | 168.302   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 203.407   |
| n-Propanol | 2.465      | 213.396   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 1431893                       | Vial:           | 15                   |
| Description: |                               | LIMS ID:        |                      |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:44:07 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\15.D | Analyst:        | Abbott               |

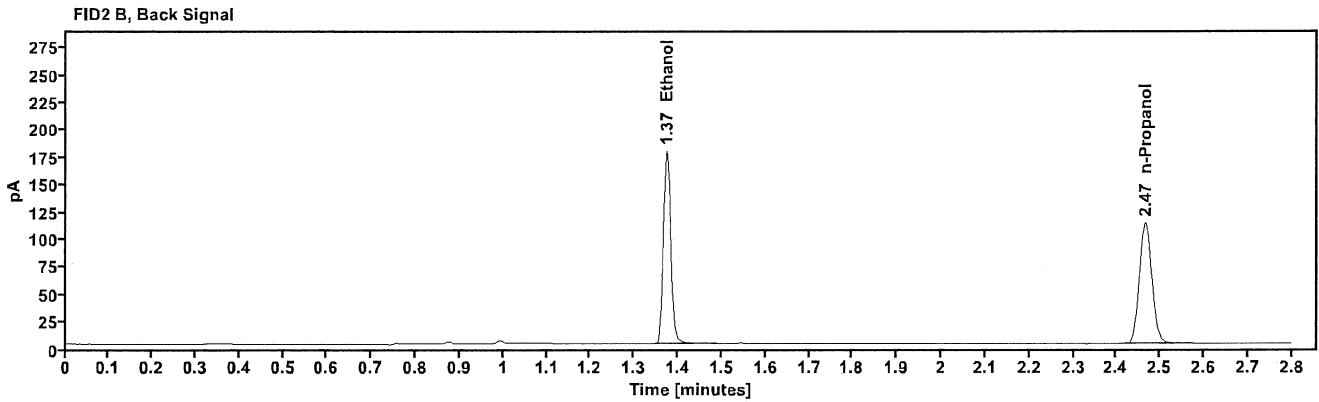
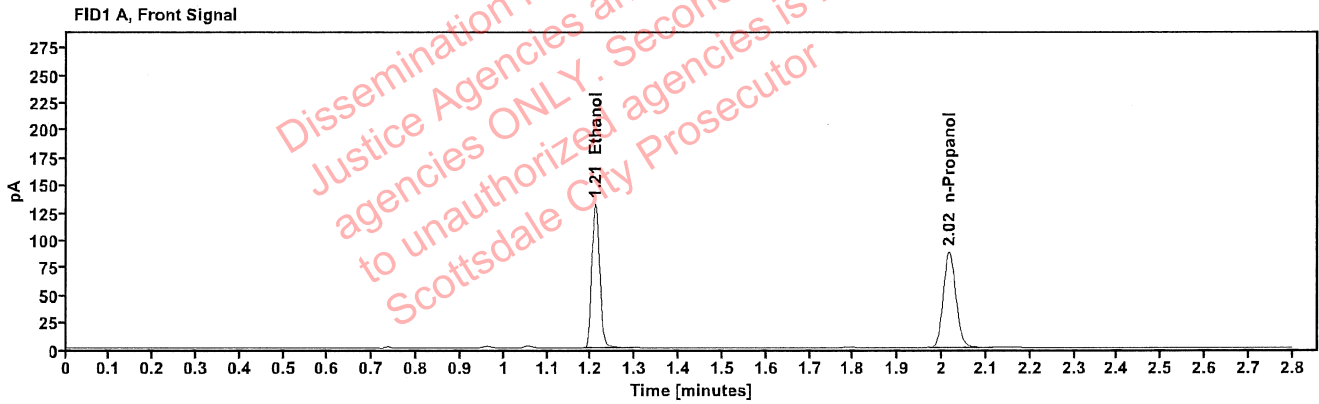


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2686           | 1.209      | 166.798   |
| n-Propanol | -----            | 2.016      | 174.901   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 213.805   |
| n-Propanol | 2.466      | 221.884   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 1431886                       | Vial:           | 16                   |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]           |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:48:07 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\16.D | Analyst:        | Abbott               |

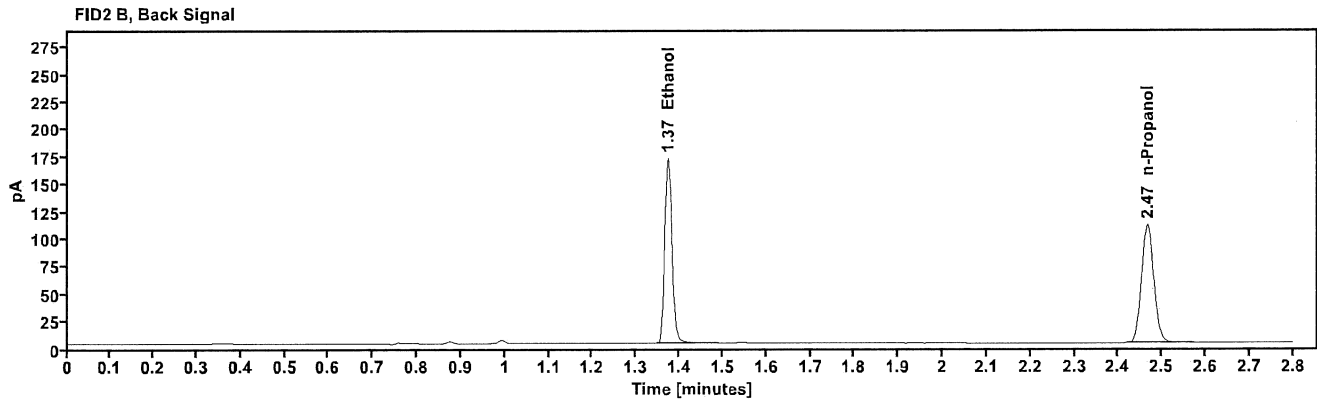
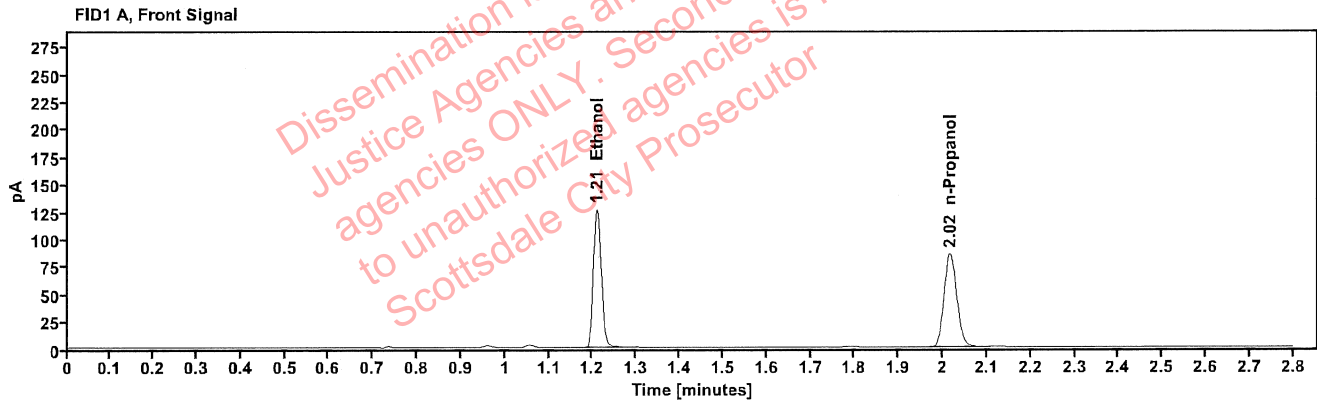


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2653           | 1.209      | 159.922   |
| n-Propanol | -----            | 2.016      | 169.802   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 204.997   |
| n-Propanol | 2.466      | 215.769   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 1431886                       | Vial:           | 17                   |
| Description: |                               | LIMS ID:        |                      |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:52:07 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\17.D | Analyst:        | Abbott               |

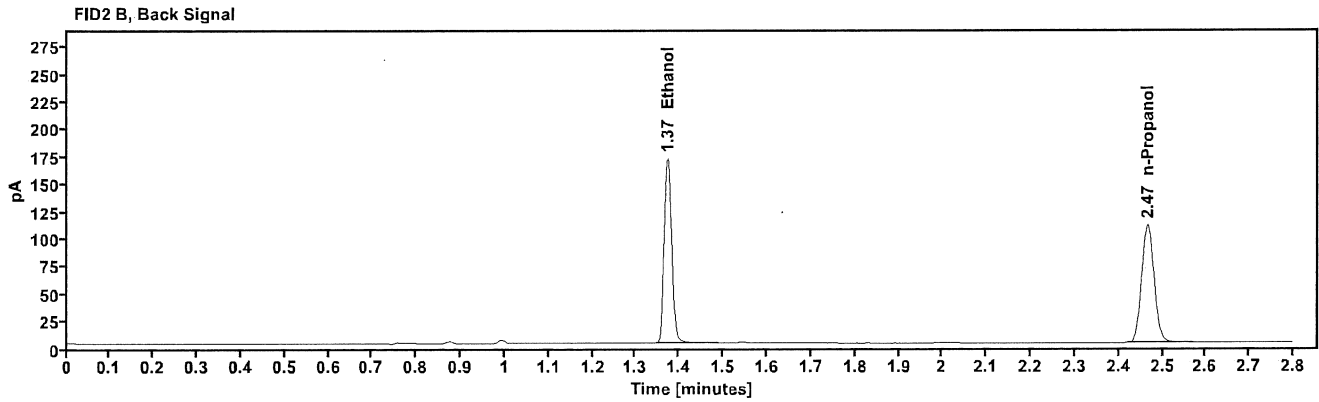
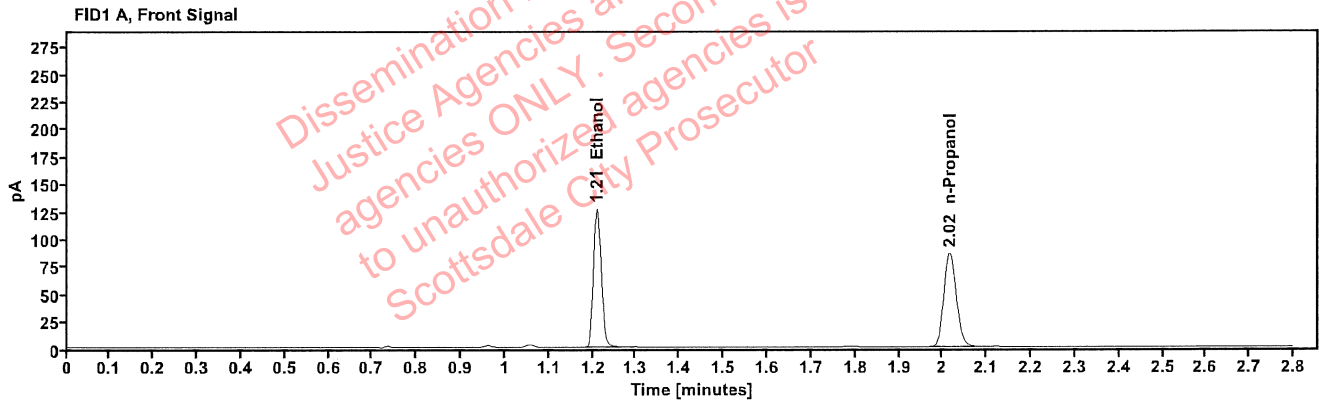


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2651           | 1.209      | 160.172   |
| n-Propanol | -----            | 2.016      | 170.167   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 205.202   |
| n-Propanol | 2.466      | 216.056   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                      |
|--------------|-------------------------------|-----------------|----------------------|
| Sample:      | 38401NV                       | Vial:           | 18                   |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]           |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22              |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 12:56:08 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\18.D | Analyst:        | Abbott               |

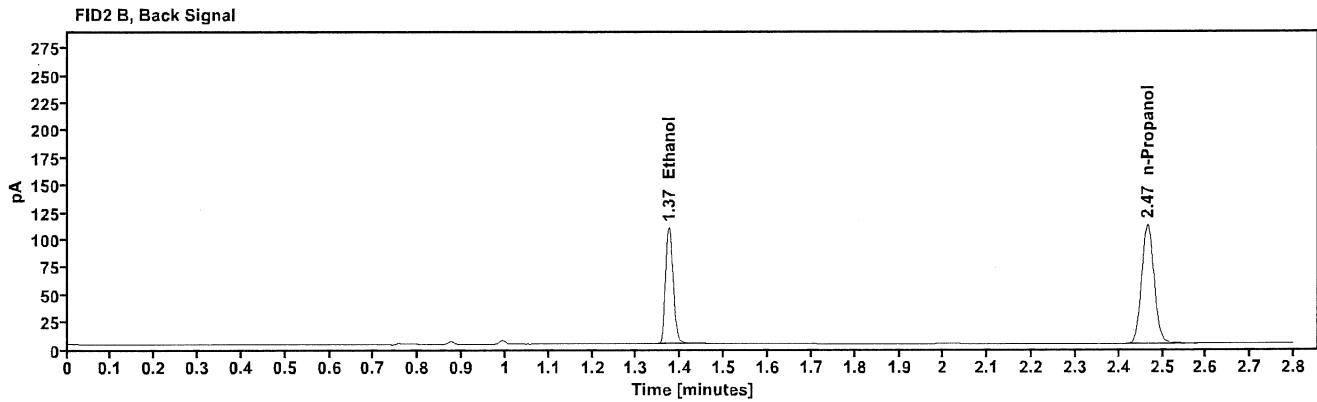
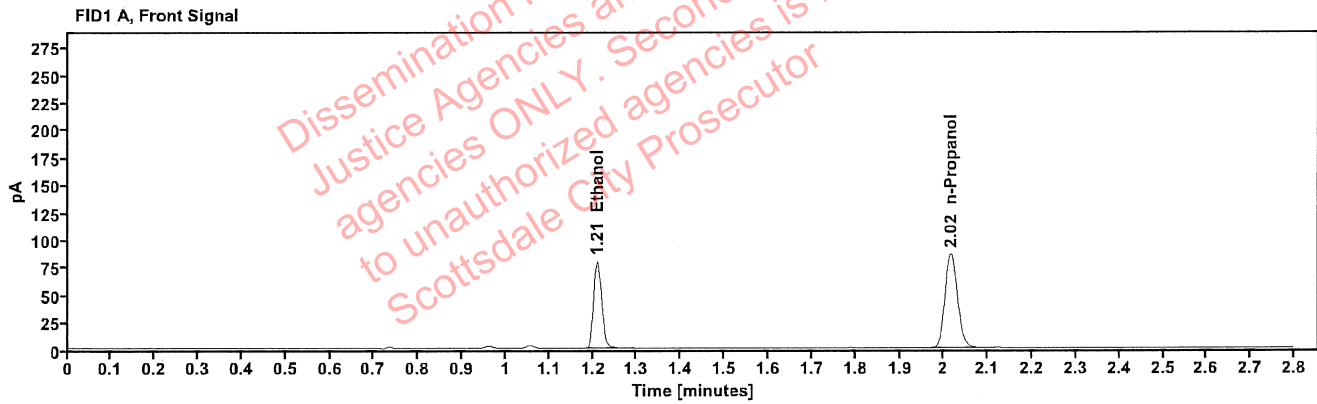


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1658           | 1.210      | 100.973   |
| n-Propanol | -----            | 2.016      | 171.279   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 128.788   |
| n-Propanol | 2.466      | 218.492   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 38401NV                       | Vial:           | 19                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:00:23 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\19.D | Analyst:        | Abbott              |

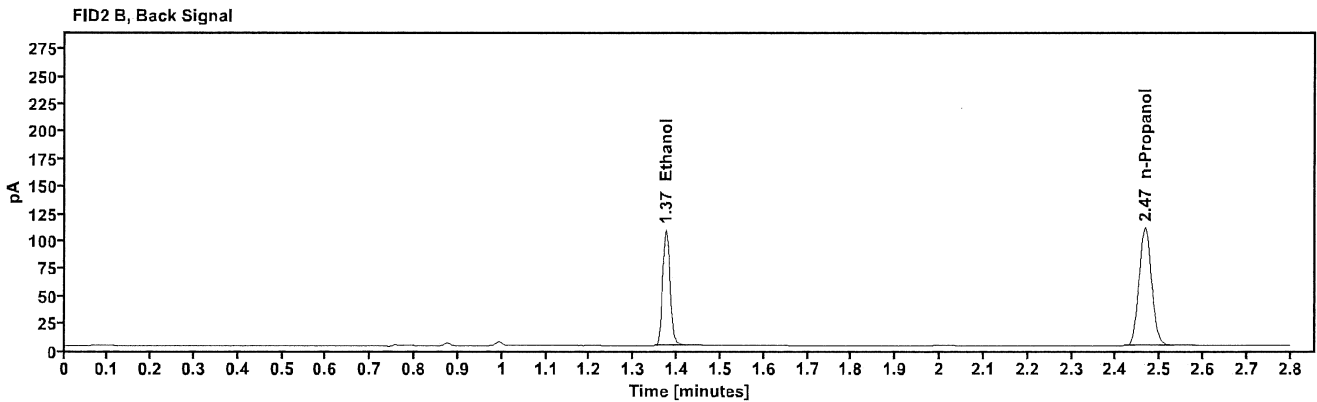
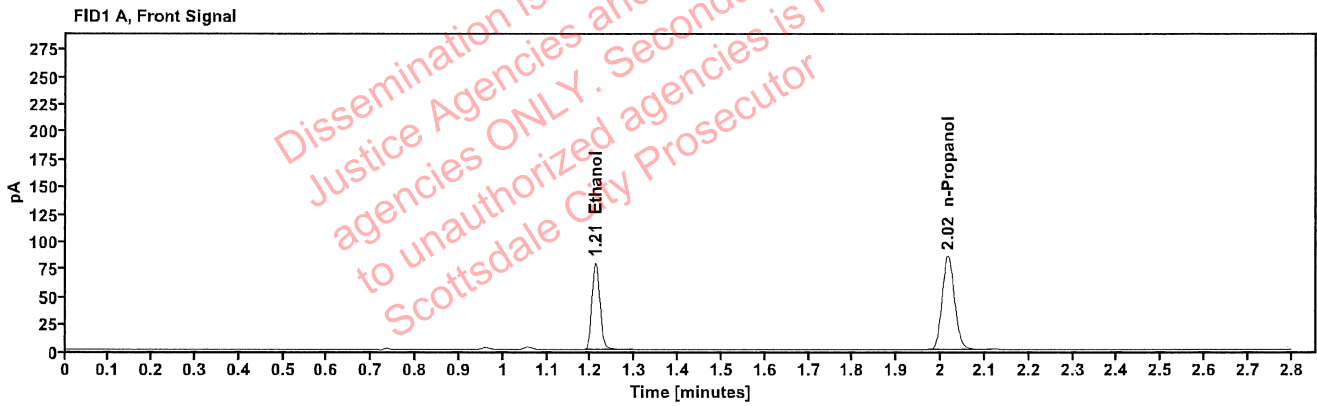


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1663           | 1.210      | 100.830   |
| n-Propanol | -----            | 2.016      | 170.509   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.374      | 128.492   |
| n-Propanol | 2.466      | 217.350   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 32701LN                       | Vial:           | 21                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:08:23 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\21.D | Analyst:        | Abbott              |

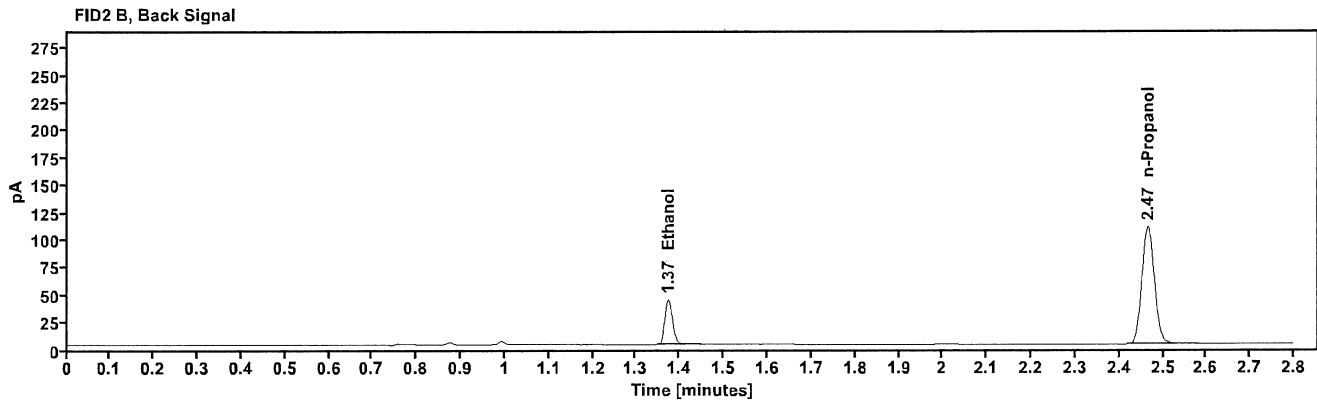
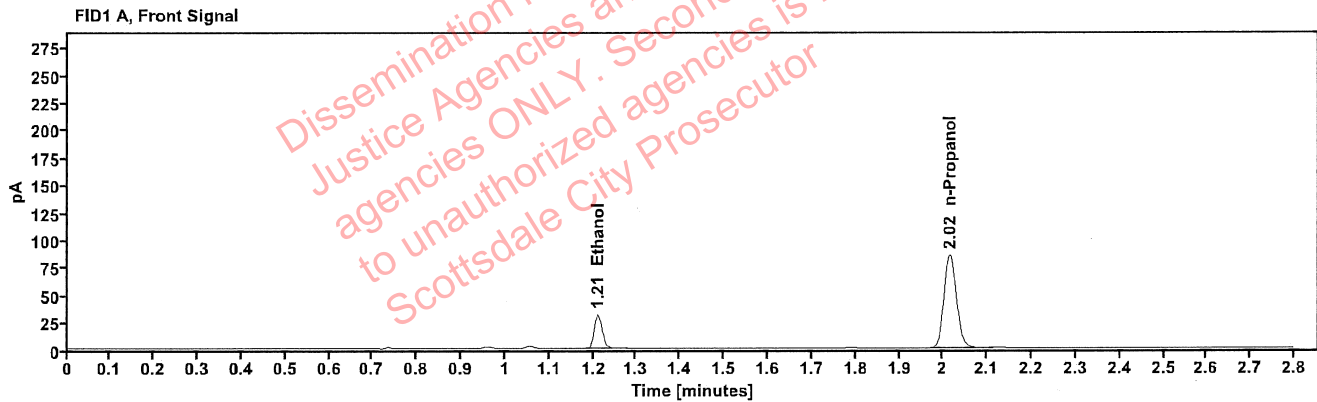


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0653           | 1.211      | 39.554    |
| n-Propanol | -----            | 2.015      | 169.273   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.374      | 50.193    |
| n-Propanol | 2.465      | 215.949   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 32701LN                       | Vial:           | 22                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:12:22 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\22.D | Analyst:        | Abbott              |

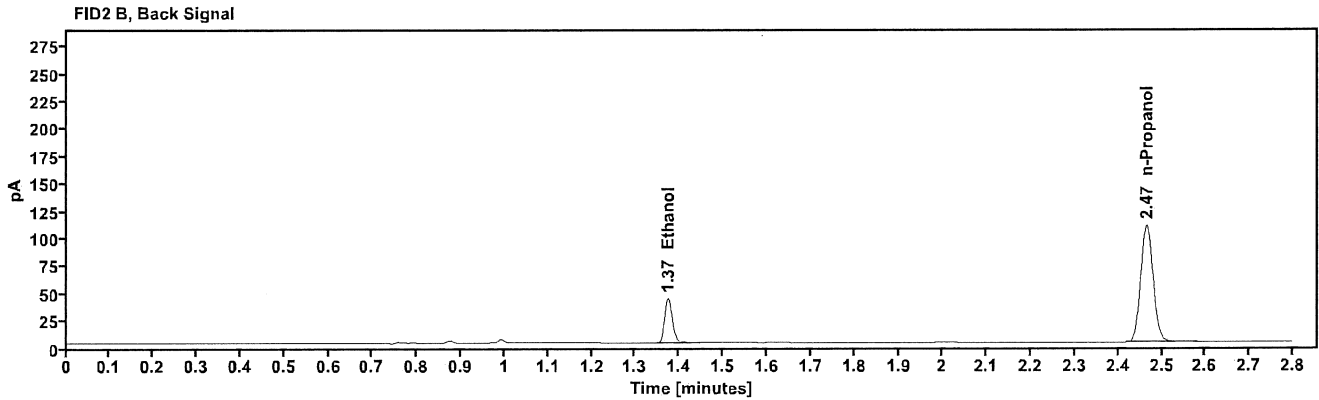
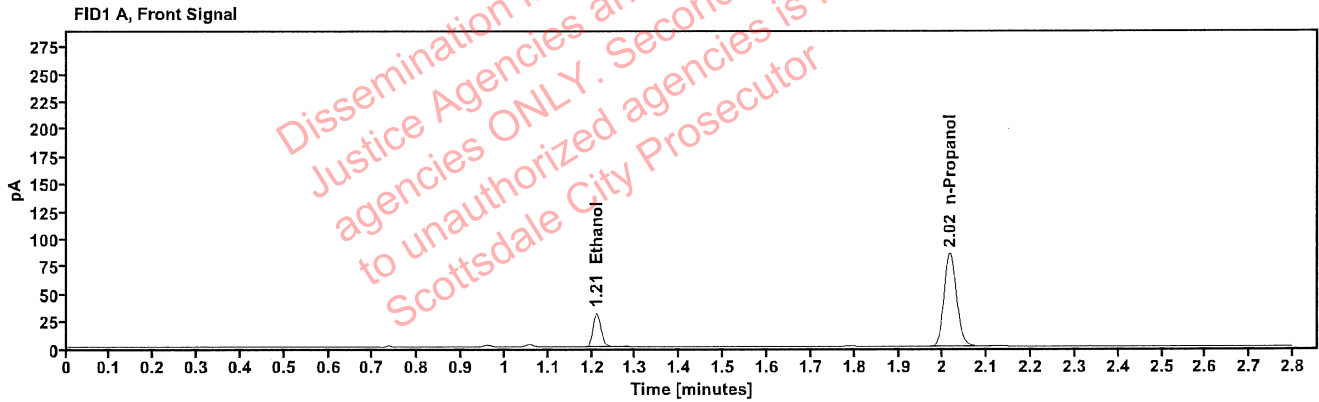


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0650           | 1.211      | 39.256    |
| n-Propanol | -----            | 2.016      | 168.801   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.374      | 50.560    |
| n-Propanol | 2.466      | 215.381   |



### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 32701DH                       | Vial:           | 23                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:16:22 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\23.D | Analyst:        | Abbott              |

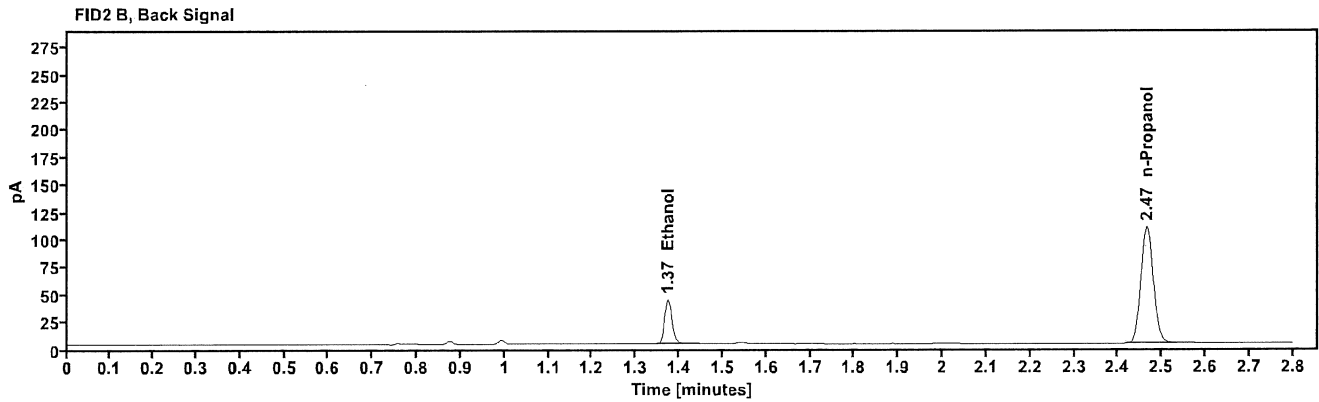
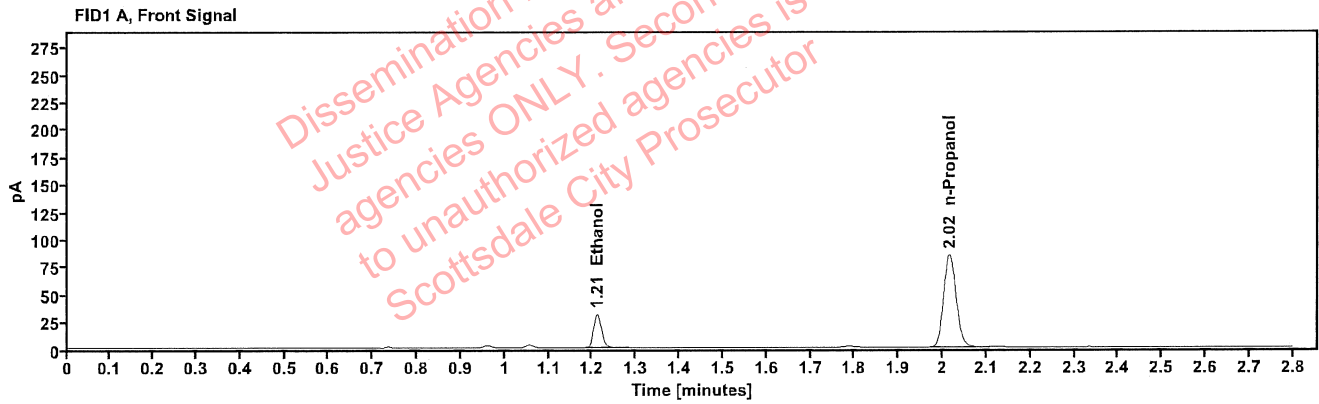


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0649           | 1.210      | 39.045    |
| n-Propanol | -----            | 2.015      | 168.148   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 50.215    |
| n-Propanol | 2.465      | 214.320   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 32701DH                       | Vial:           | 24                  |
| Description: |                               | LIMS ID:        |                     |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:20:22 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\24.D | Analyst:        | Abbott              |

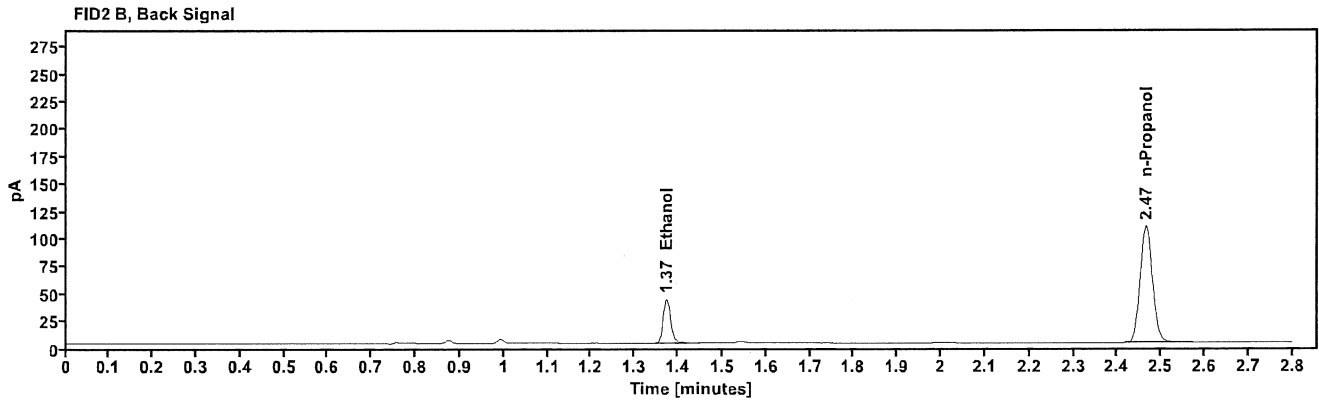
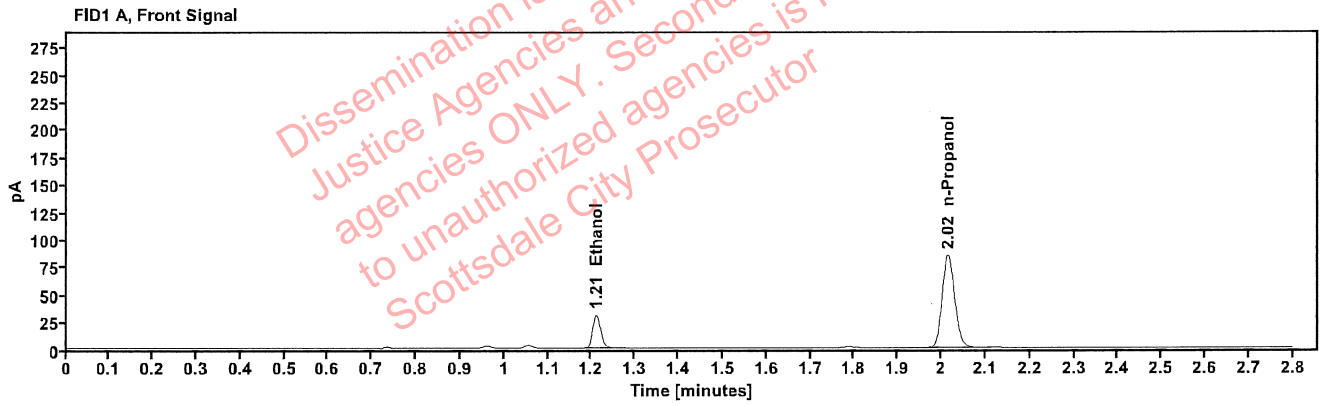


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0646           | 1.210      | 38.876    |
| n-Propanol | -----            | 2.015      | 168.320   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 50.015    |
| n-Propanol | 2.465      | 214.502   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 40501ES                       | Vial:           | 25                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:24:38 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\25.D | Analyst:        | Abbott              |

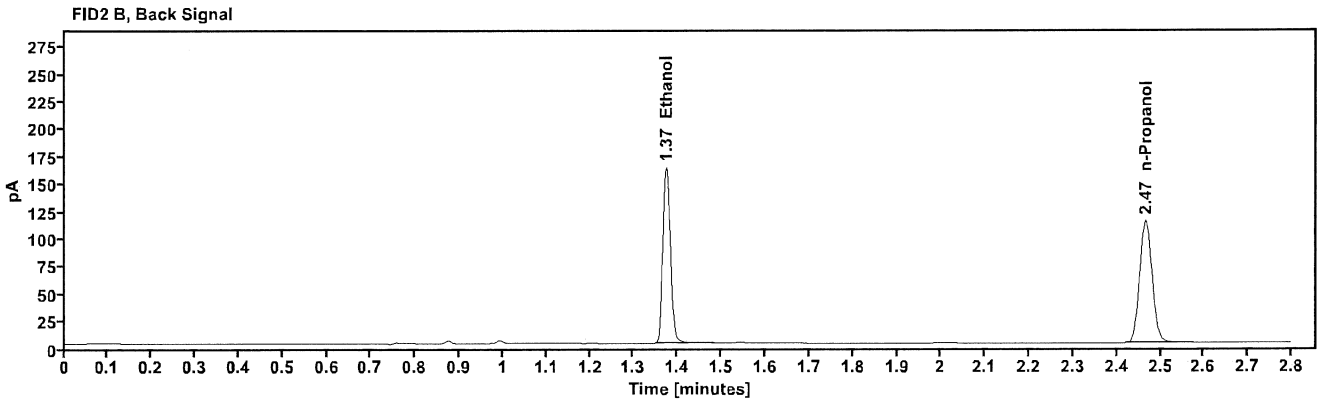
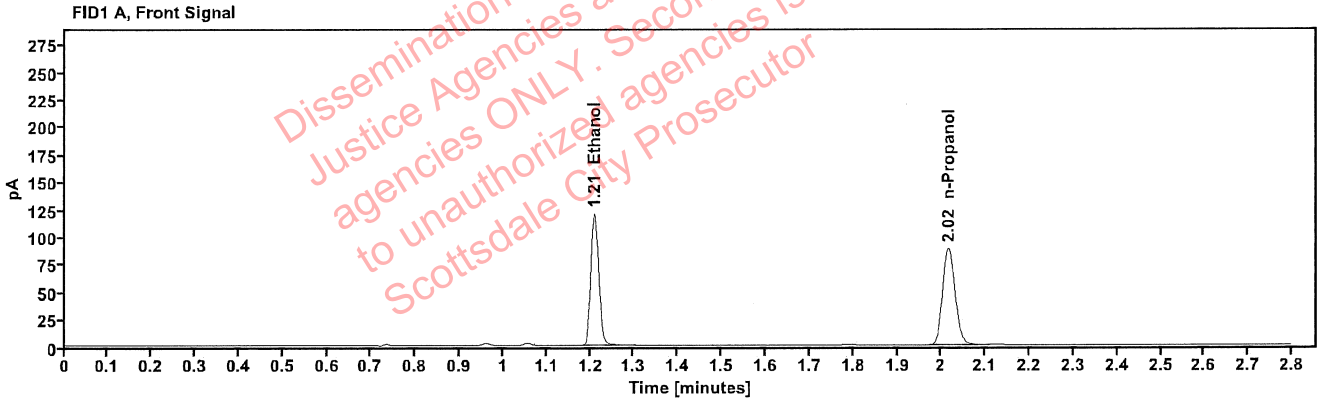


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2443           | 1.210      | 152.660   |
| n-Propanol | -----            | 2.016      | 175.948   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.374      | 195.065   |
| n-Propanol | 2.466      | 224.015   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 40501ES                       | Vial:           | 26                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:28:38 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\26.D | Analyst:        | Abbott              |

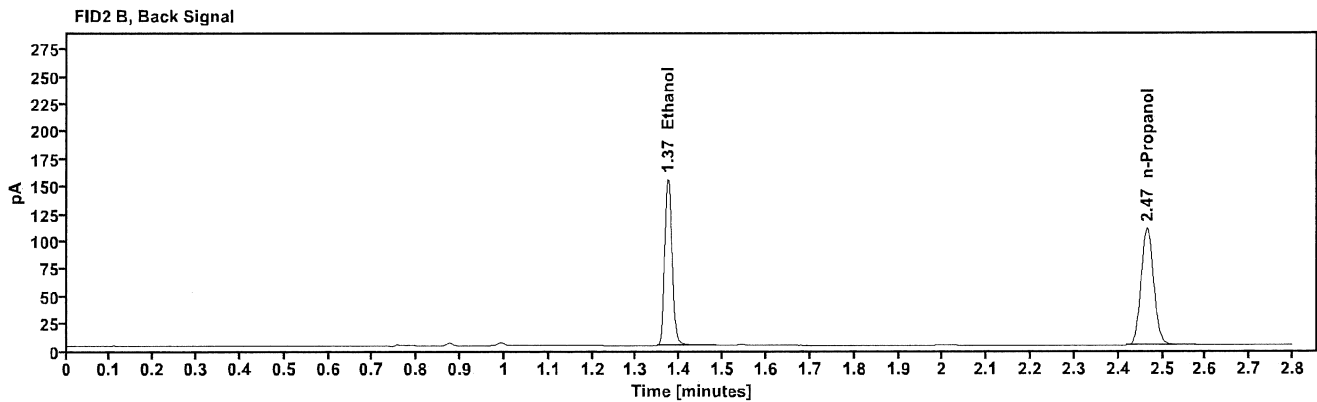
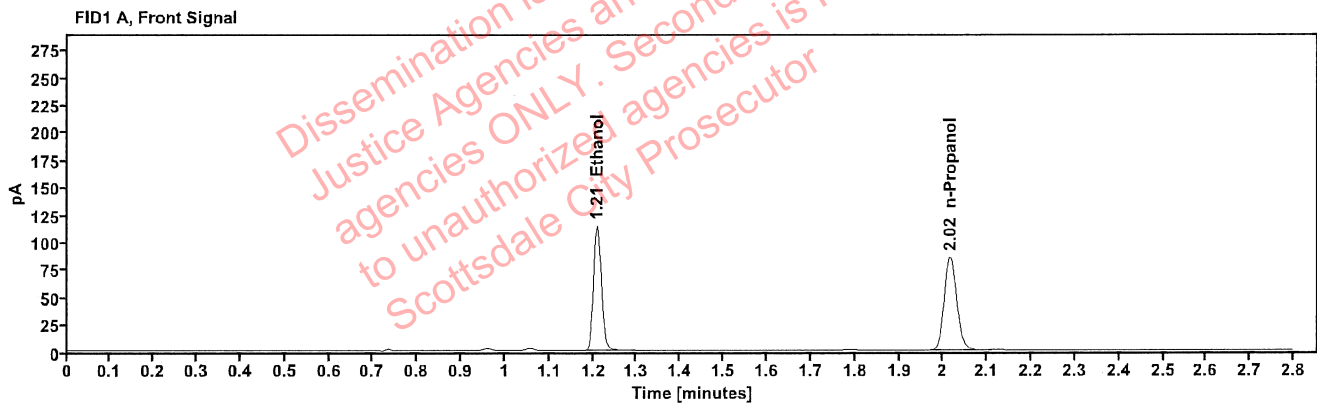


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2400           | 1.209      | 144.619   |
| n-Propanol | -----            | 2.015      | 169.691   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.372      | 185.208   |
| n-Propanol | 2.465      | 216.151   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 40701AL                       | Vial:           | 27                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:32:38 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\27.D | Analyst:        | Abbott              |

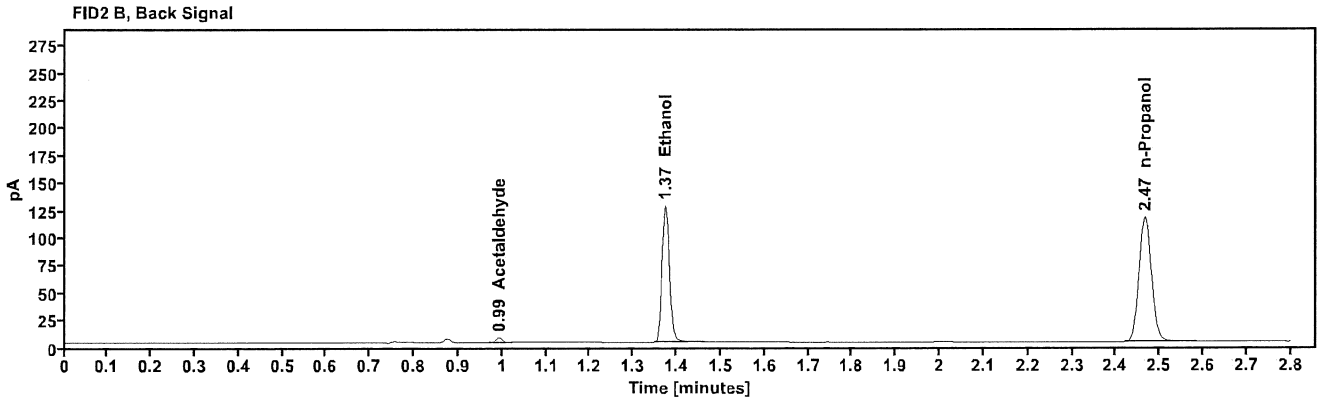
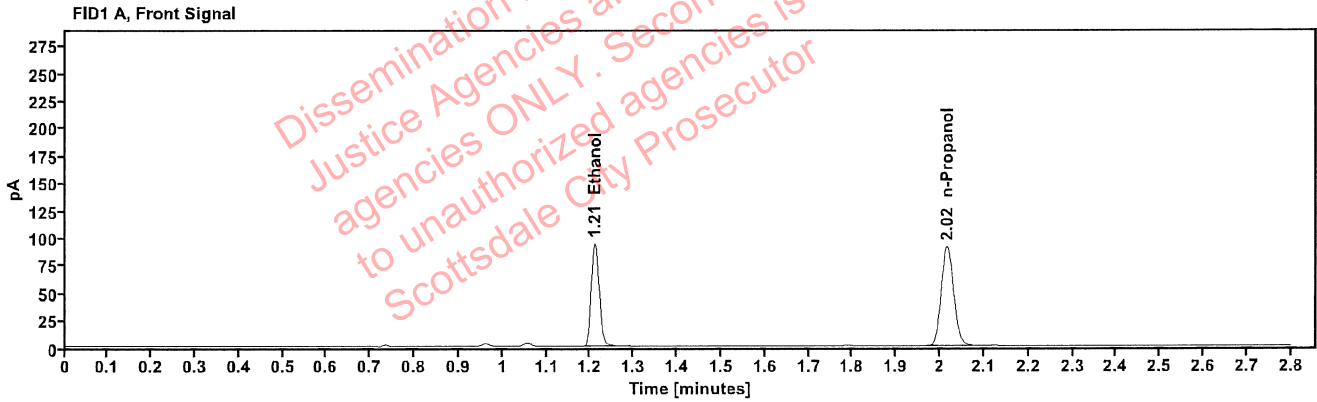


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1854           | 1.210      | 118.766   |
| n-Propanol | -----            | 2.016      | 180.263   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.993      | 4.174     |
| Ethanol      | 1.374      | 151.899   |
| n-Propanol   | 2.466      | 229.611   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 40701AL                       | Vial:           | 28                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:36:38 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\28.D | Analyst:        | Abbott              |

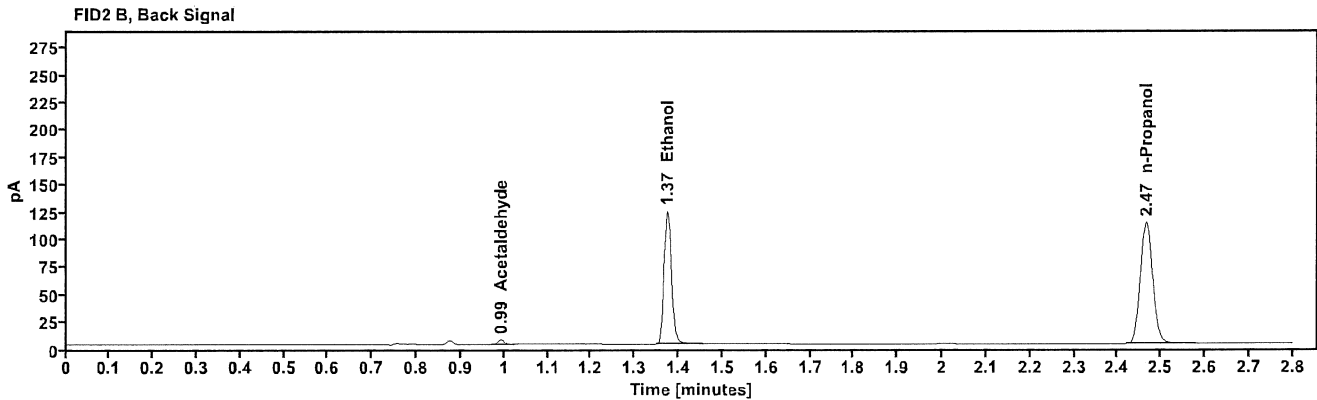
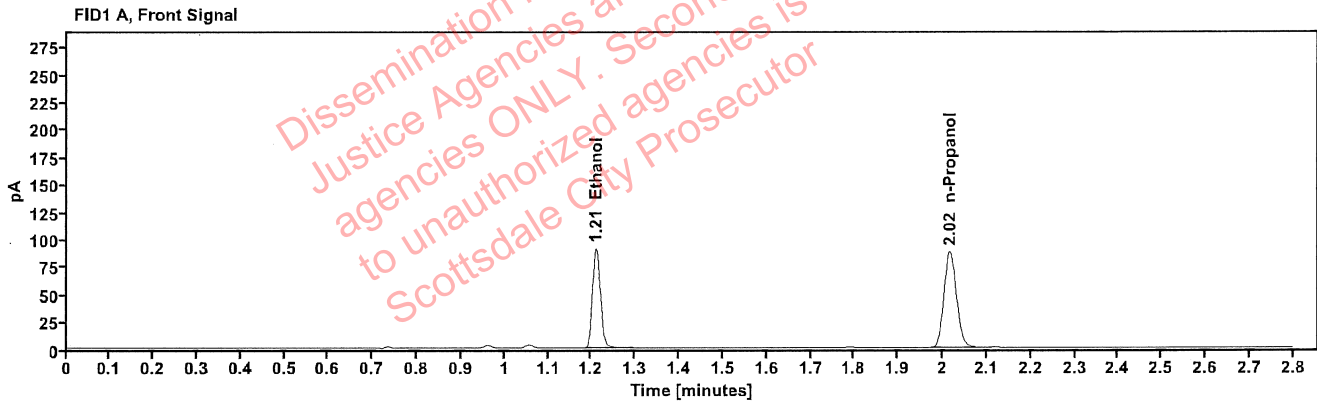


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1858           | 1.210      | 115.195   |
| n-Propanol | -----            | 2.016      | 174.404   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.993      | 4.019     |
| Ethanol      | 1.374      | 146.881   |
| n-Propanol   | 2.466      | 222.049   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1429820                       | Vial:           | 29                  |
| Description: |                               | LIMS ID:        |                     |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:40:38 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\29.D | Analyst:        | Abbott              |

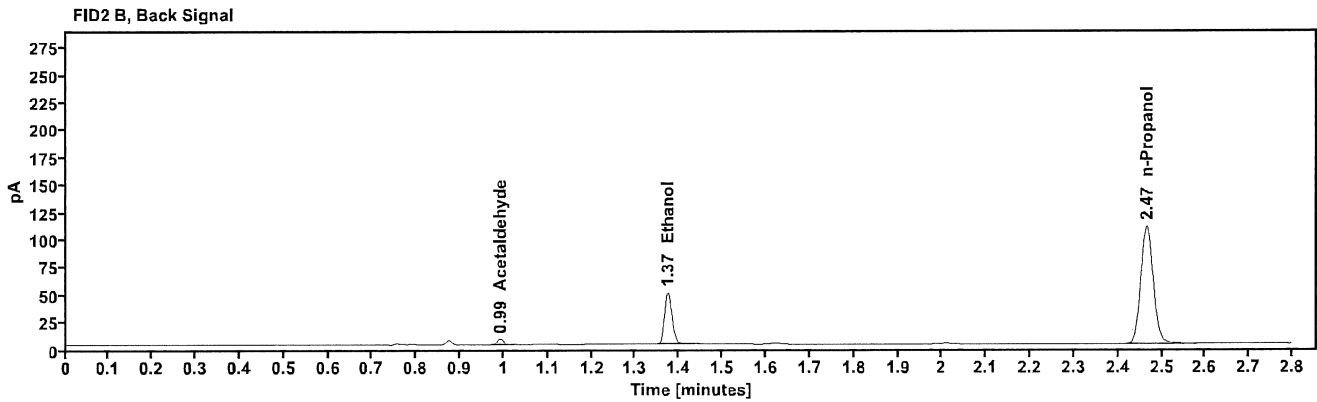
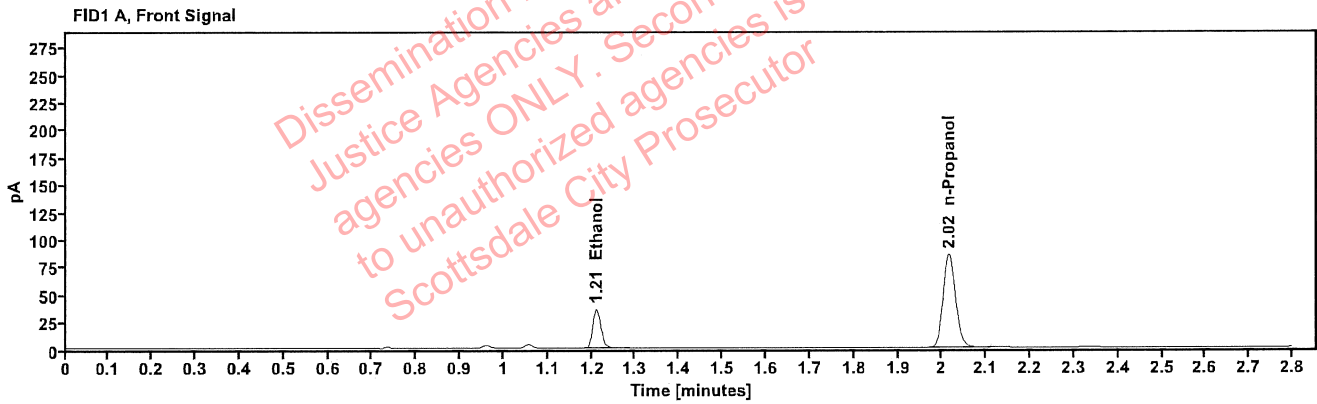


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0755           | 1.211      | 45.459    |
| n-Propanol | -----            | 2.016      | 168.487   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.992      | 4.762     |
| Ethanol      | 1.374      | 58.383    |
| n-Propanol   | 2.466      | 215.514   |

[REDACTED]: Abbott, Lori - (02-Aug-2022)

Case: [REDACTED] User: LAbbott 8/2/2022

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1429820                       | Vial:           | 30                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:44:37 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\30.D | Analyst:        | Abbott              |

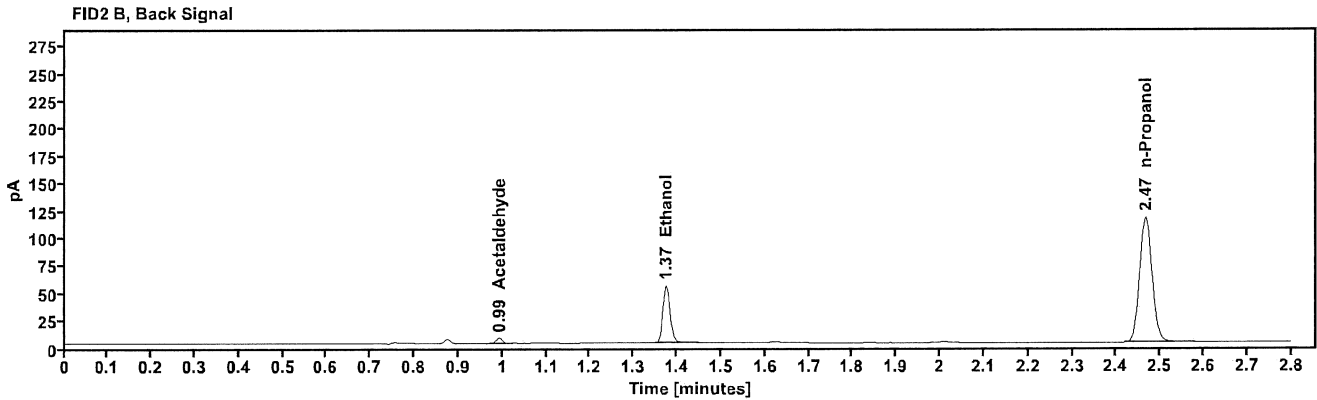
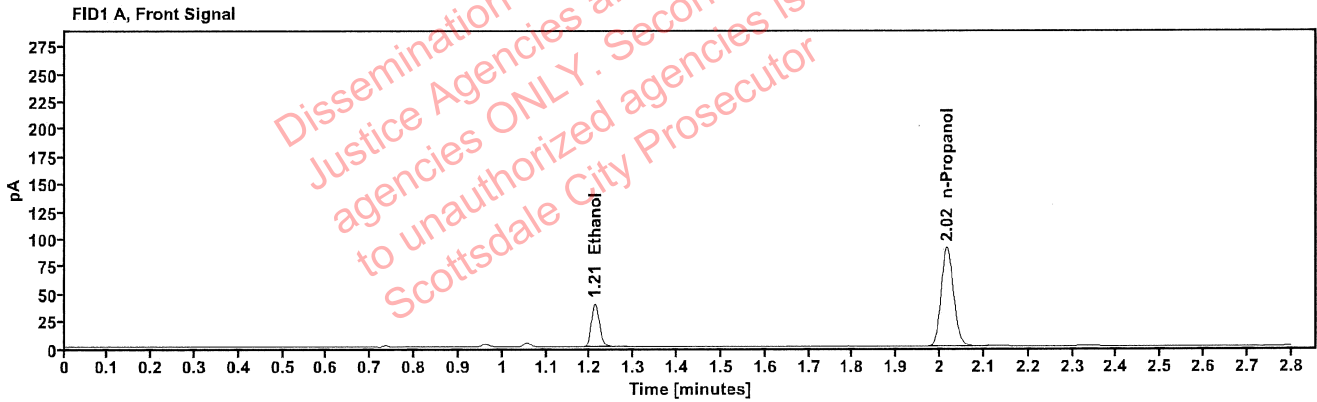


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0781           | 1.211      | 50.078    |
| n-Propanol | -----            | 2.016      | 179.510   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.993      | 4.627     |
| Ethanol      | 1.374      | 63.609    |
| n-Propanol   | 2.466      | 229.552   |



## Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1431941                       | Vial:           | 32                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:52:53 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\32.D | Analyst:        | Abbott              |

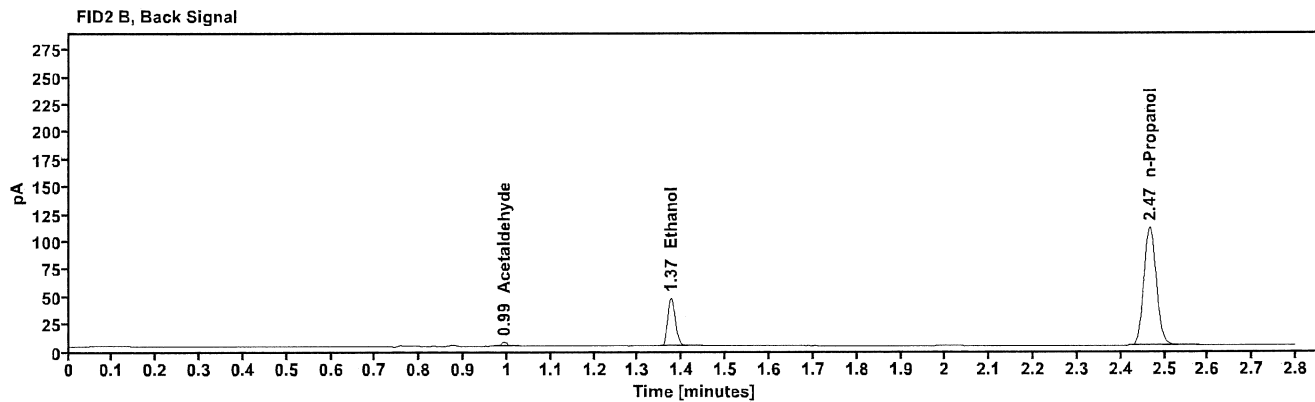
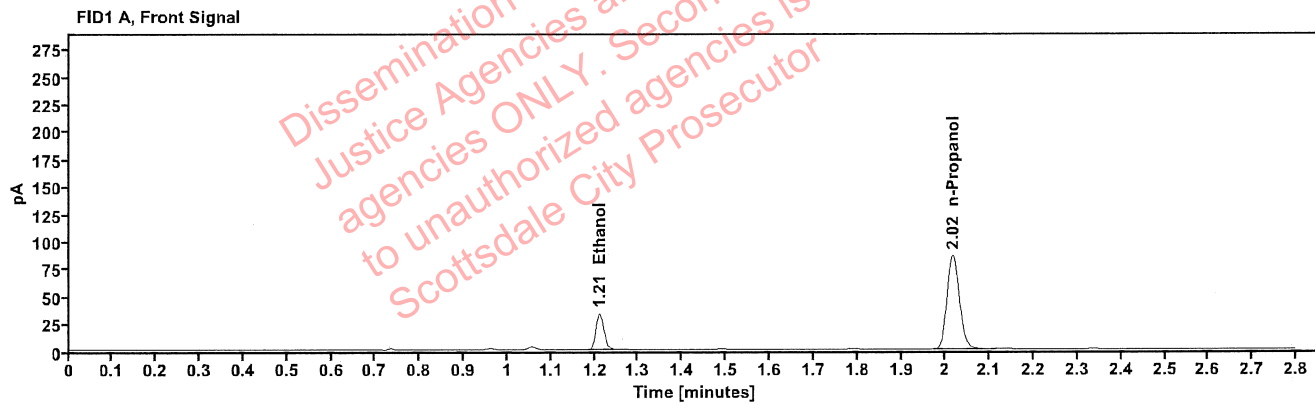


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0691           | 1.211      | 42.143    |
| n-Propanol | -----            | 2.016      | 170.500   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.993      | 3.804     |
| Ethanol      | 1.374      | 54.454    |
| n-Propanol   | 2.467      | 217.499   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1431941                       | Vial:           | 33                  |
| Description: |                               | LIMS ID:        |                     |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 1:56:52 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\33.D | Analyst:        | Abbott              |

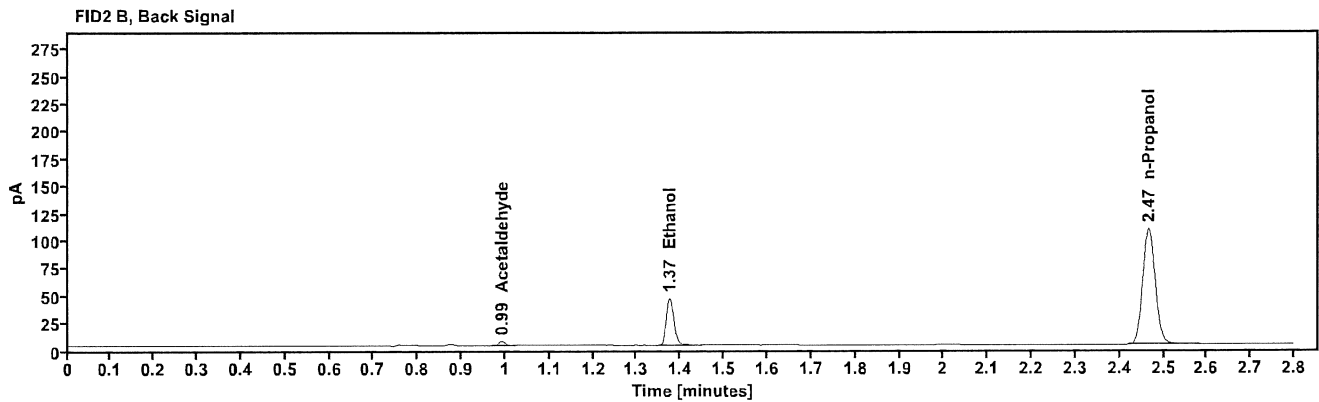
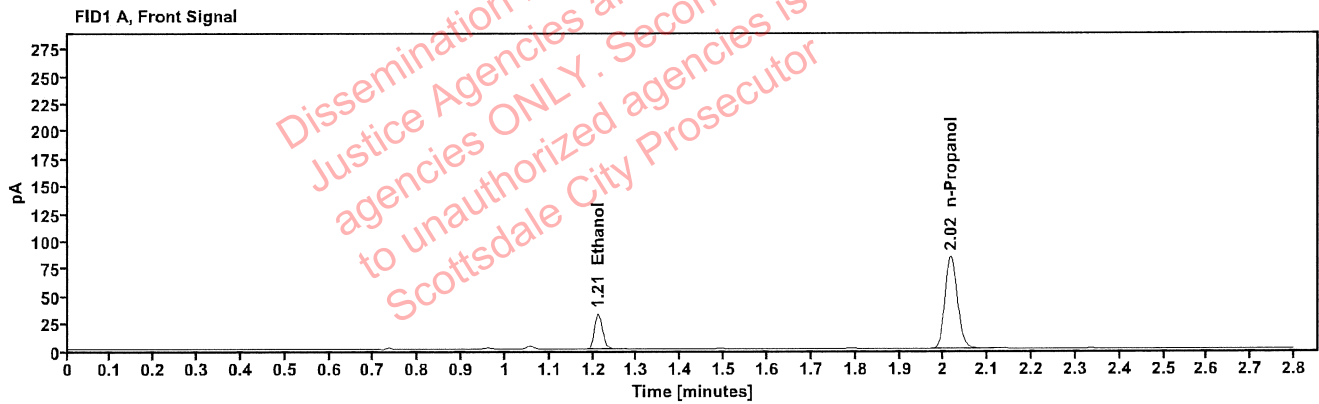


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0687           | 1.211      | 41.109    |
| n-Propanol | ---              | 2.016      | 167.434   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.993      | 3.846     |
| Ethanol      | 1.374      | 53.181    |
| n-Propanol   | 2.466      | 213.470   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1431974                       | Vial:           | 34                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:00:52 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\34.D | Analyst:        | Abbott              |

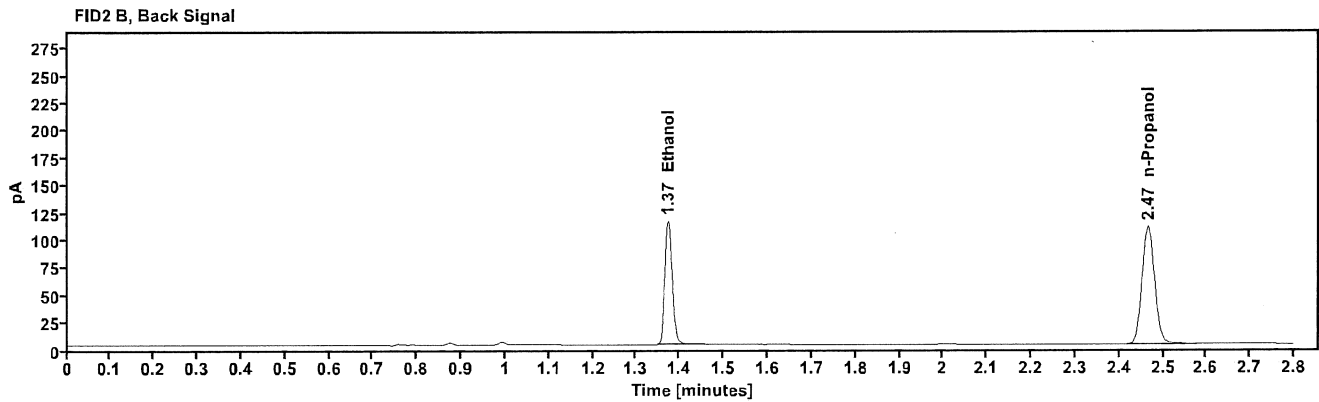
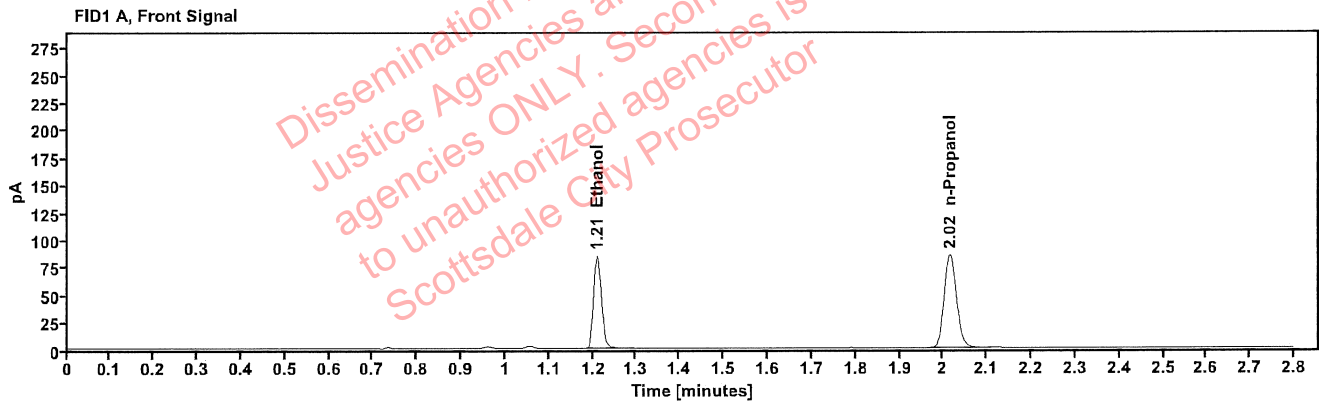


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1781           | 1.210      | 107.194   |
| n-Propanol | -----            | 2.016      | 169.319   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 136.851   |
| n-Propanol | 2.466      | 215.747   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1431974                       | Vial:           | 35                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:04:52 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\35.D | Analyst:        | Abbott              |

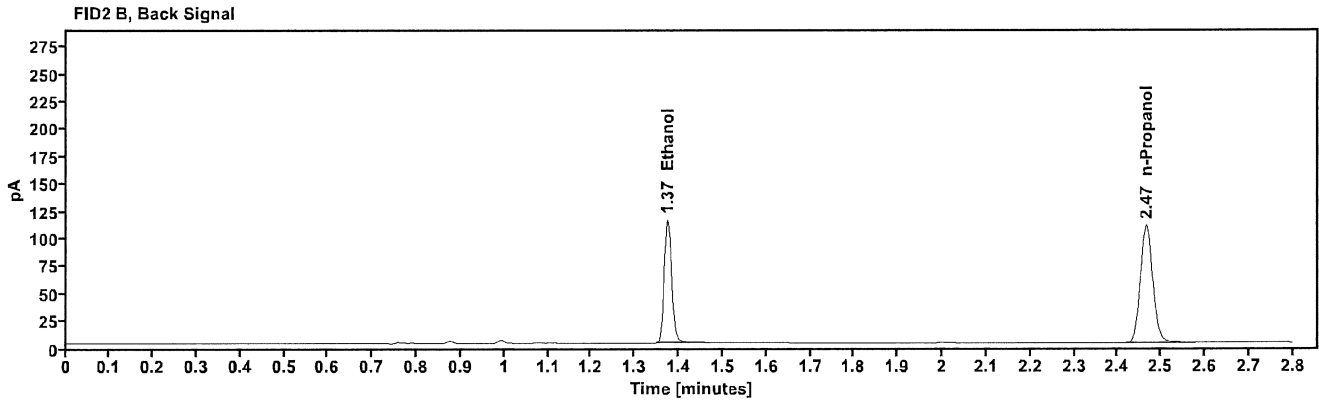
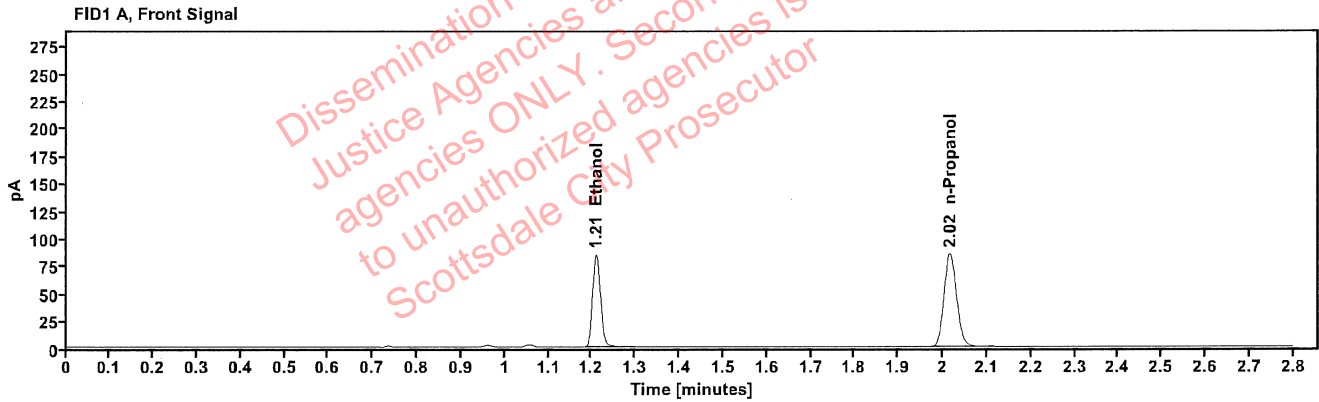


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1782           | 1.210      | 107.249   |
| n-Propanol | -----            | 2.016      | 169.313   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 136.880   |
| n-Propanol | 2.466      | 215.748   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1402721                       | Vial:           | 36                  |
| Description: |                               | LIMS ID:        |                     |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:08:52 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\36.D | Analyst:        | Abbott              |

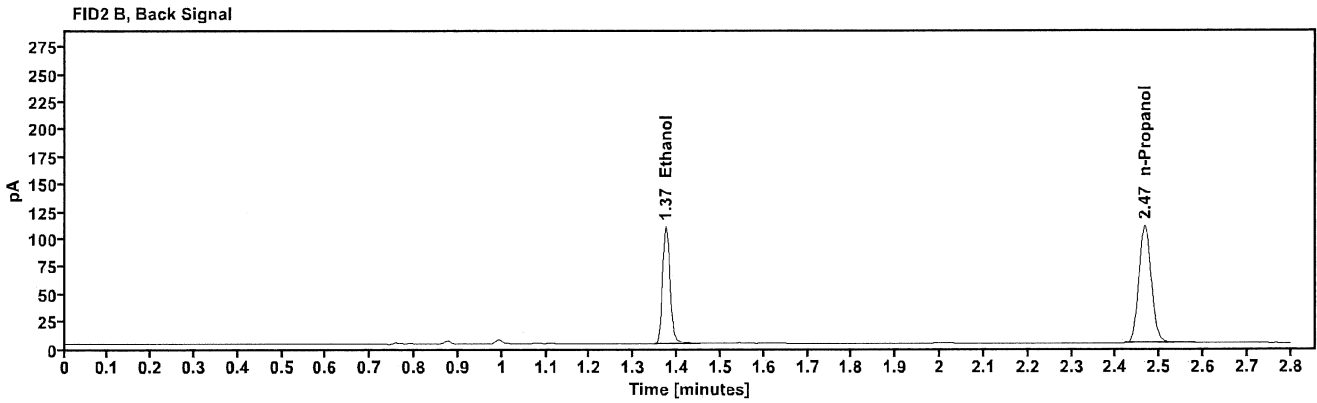
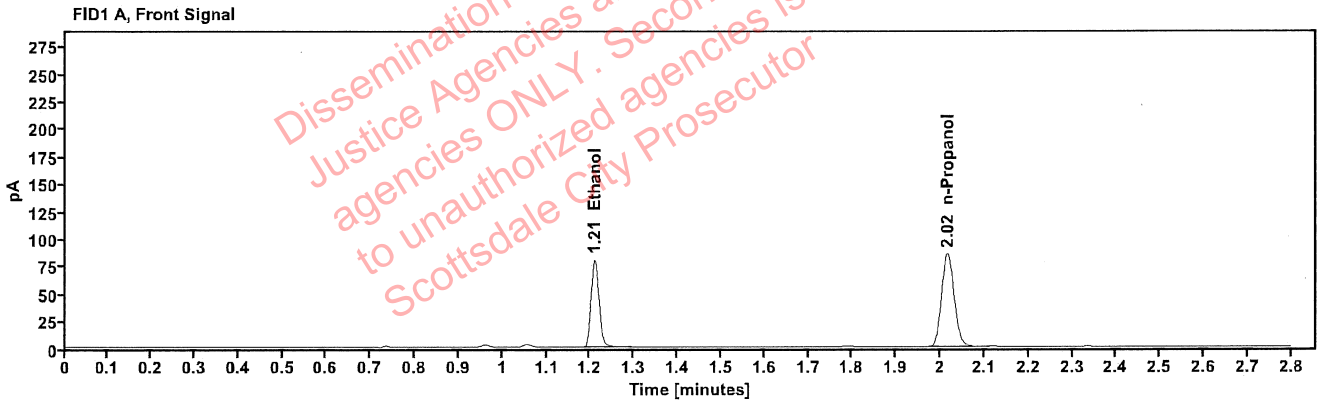


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1687           | 1.210      | 101.693   |
| n-Propanol | -----            | 2.016      | 169.540   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 129.683   |
| n-Propanol | 2.466      | 216.181   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1402721                       | Vial:           | 37                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:13:08 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\37.D | Analyst:        | Abbott              |

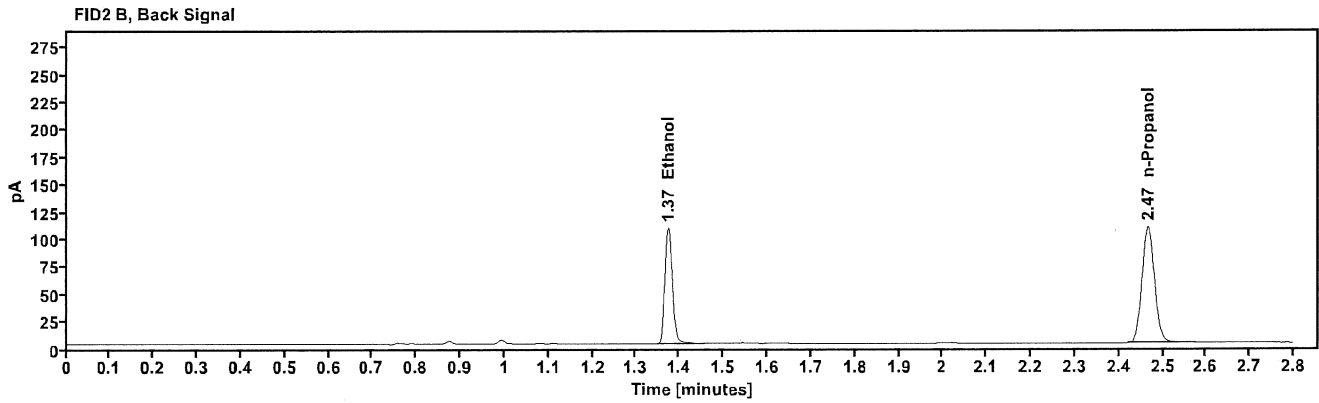
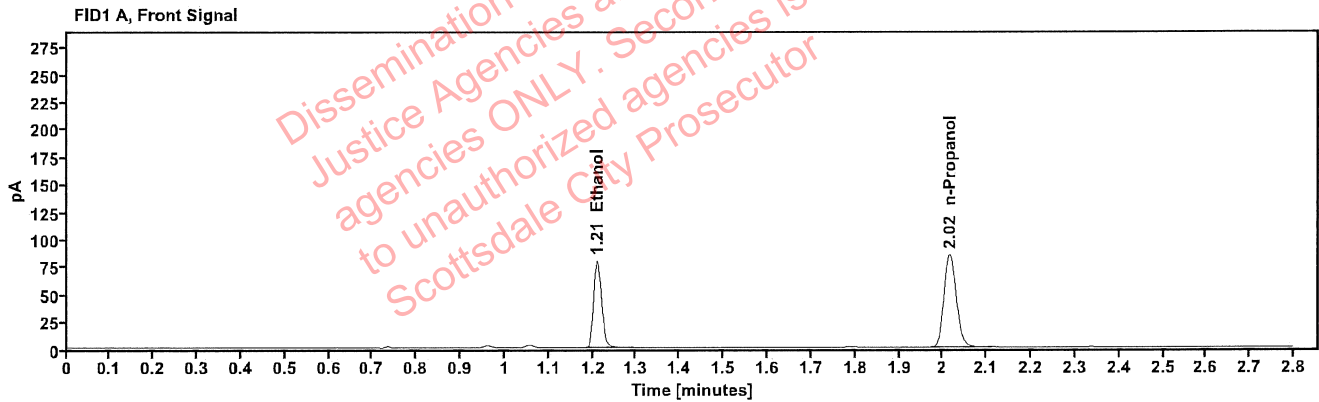


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1688           | 1.210      | 100.804   |
| n-Propanol | -----            | 2.016      | 168.002   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.374      | 128.583   |
| n-Propanol | 2.466      | 213.906   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1431797                       | Vial:           | 38                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:17:07 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\38.D | Analyst:        | Abbott              |

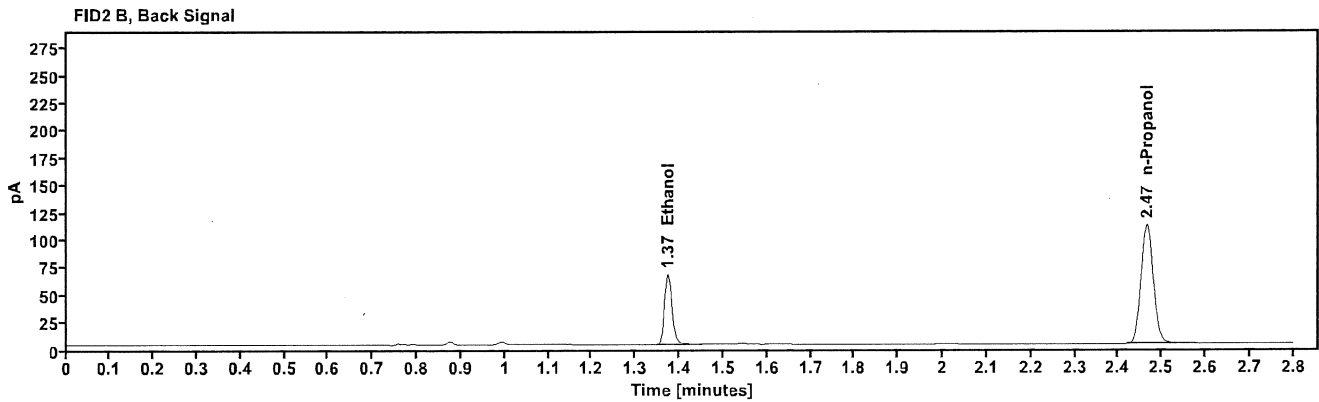
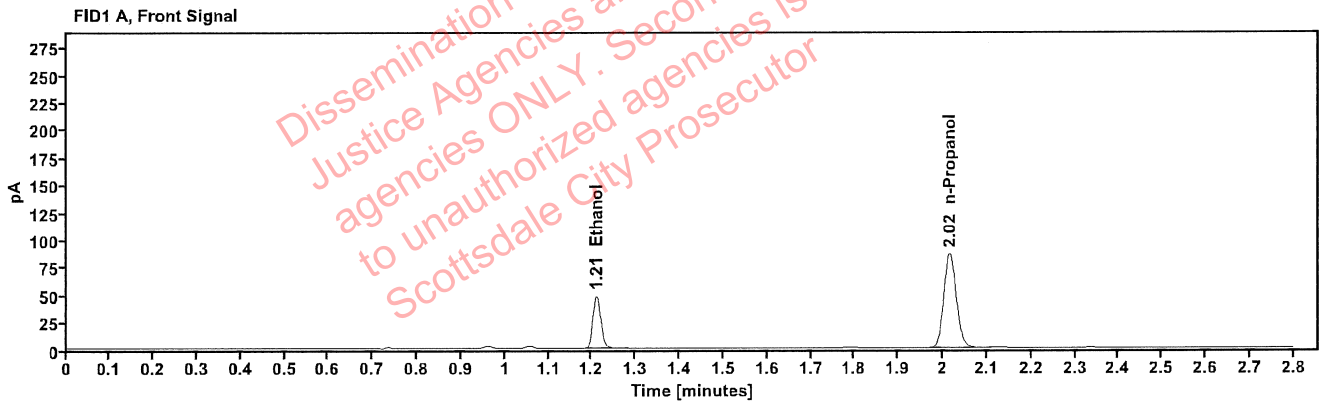


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1004           | 1.210      | 61.263    |
| n-Propanol | -----            | 2.015      | 171.274   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 78.074    |
| n-Propanol | 2.466      | 218.415   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1431797                       | Vial:           | 39                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:21:08 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\39.D | Analyst:        | Abbott              |

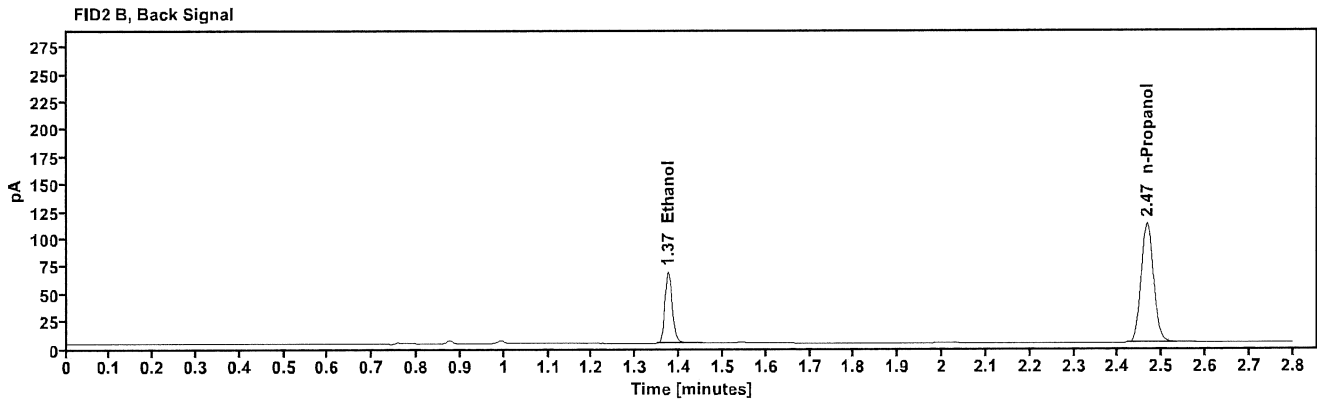
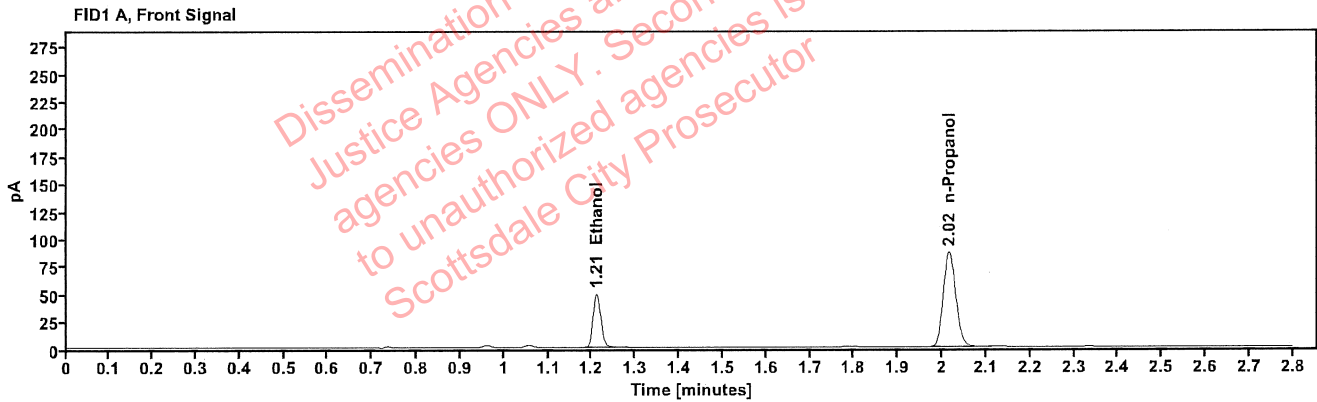


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount<br>(g/100mL) | Time<br>(min) | Peak<br>Area |
|------------|---------------------|---------------|--------------|
| >Ethanol   | 0.1015              | 1.210         | 62.245       |
| n-Propanol | ----                | 2.016         | 172.079      |

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

| Compound   | Time<br>(min) | Peak<br>Area |
|------------|---------------|--------------|
| Ethanol    | 1.374         | 79.370       |
| n-Propanol | 2.466         | 219.266      |



### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1432257                       | Vial:           | 40                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:25:07 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\40.D | Analyst:        | Abbott              |

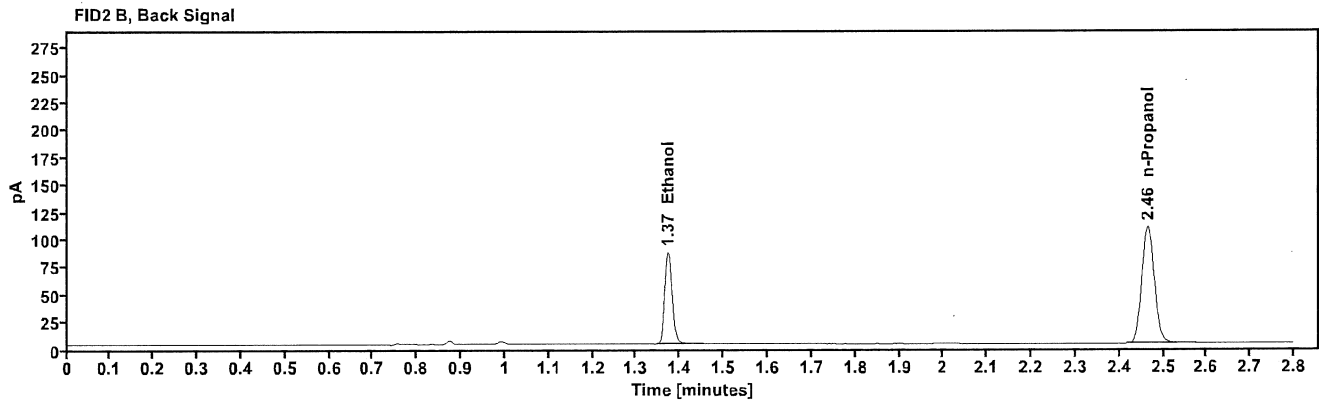
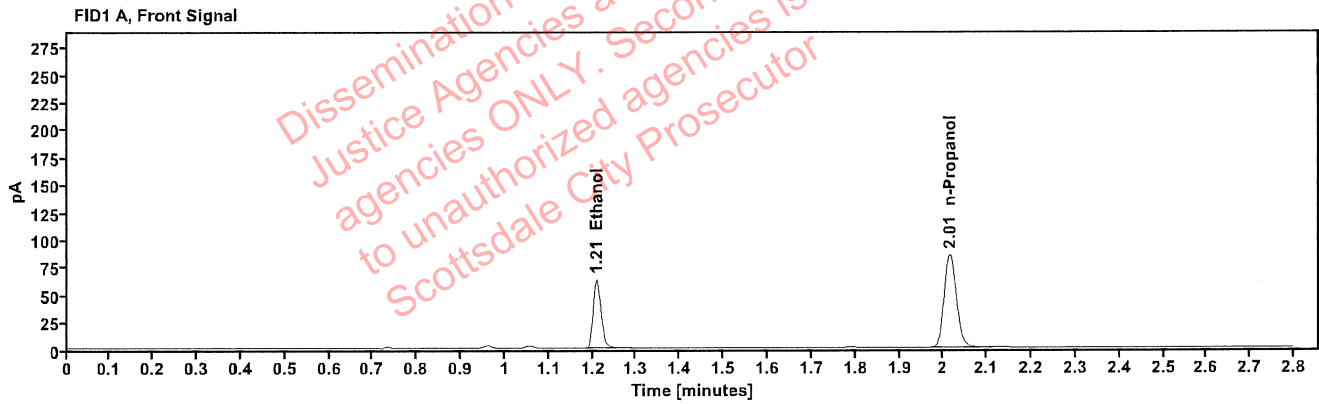


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1329           | 1.209      | 79.808    |
| n-Propanol | -----            | 2.015      | 168.744   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.372      | 101.694   |
| n-Propanol | 2.465      | 214.901   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|              |                               |                 |                     |
|--------------|-------------------------------|-----------------|---------------------|
| Sample:      | 1432257                       | Vial:           | 41                  |
| Description: | [REDACTED]                    | LIMS ID:        | [REDACTED]          |
| Method:      | ethanol quant.M               | Sequence:       | 02Aug22             |
| Instrument:  | US14173023 CN14160045         | Injection date: | 8/2/2022 2:29:07 PM |
| Data file:   | C:\Chem32\1\Data\02Aug22\41.D | Analyst:        | Abbott              |

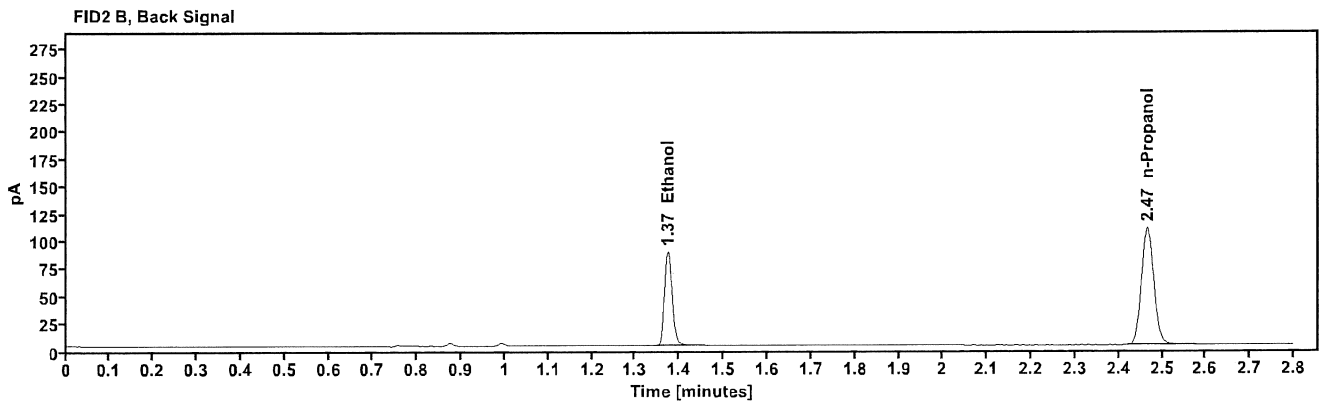
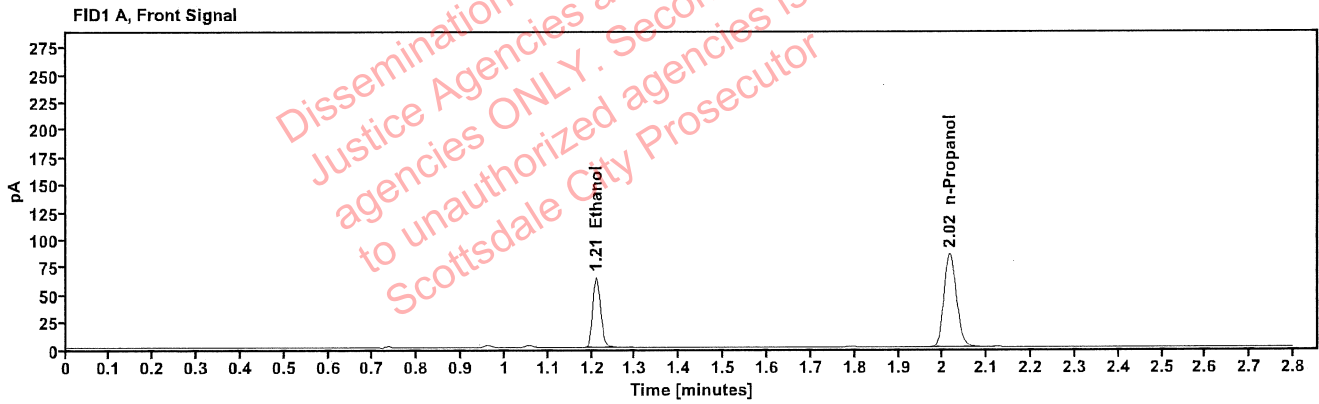


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1361           | 1.210      | 81.627    |
| n-Propanol | -----            | 2.016      | 168.550   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.373      | 103.902   |
| n-Propanol | 2.466      | 214.683   |