

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 3/6/2017 SEQUENCE NAME 6Mar17

### EQUIPMENT

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

### INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN06181501 0.99998  
 Vial 3 0.20 calibrator Lot FN07201502  
 Vial 4 0.40 calibrator Lot FN11191402

### CALIBRATION VERIFICATION AND RESOLUTION TEST

| Vial | Sample            | Expected result | Measured result | Manufacturer/lot   |
|------|-------------------|-----------------|-----------------|--------------------|
| 5    | Blank             | Not detected    | Not detected    | SPD lab 012517     |
| 6    | Volatiles mixture | 6 compounds     | 6 compounds     | SPD lab 020917WLA  |
| 7    | Aqueous control   | 0.400 g/dL      | 0.395 g/dL      | Lipomed 08012015-C |
| 8    | Aqueous control   | 0.040 g/dL      | 0.039 g/dL      | Lipomed 09022015-A |
| 9    | Blood control     | 0.200 g/dL      | 0.197 g/dL      | ACQ 407041529/3    |
| 20   | Aqueous control   | 0.080 g/dL      | 0.079 g/dL      | Lipomed 28082014-B |
| 31   | Aqueous control   | 0.150 g/dL      | 0.149 g/dL      | Lipomed 09022015-C |
| 42   | Blood control     | 0.200 g/dL      | 0.197 g/dL      | ACQ 407041529/3    |
| 53   | Aqueous control   | 0.080 g/dL      | 0.079 g/dL      | Lipomed 28082014-B |
| 64   | Aqueous control   | 0.150 g/dL      | 0.148 g/dL      | Lipomed 09022015-C |
| 75   | Blood control     | 0.200 g/dL      | 0.196 g/dL      | ACQ 407041529/3    |
| 78   | Aqueous control   | 0.400 g/dL      | 0.395 g/dL      | Lipomed 08012015-C |
| 79   | Aqueous control   | 0.040 g/dL      | 0.039 g/dL      | Lipomed 09022015-A |
| 80   | Blood control     | 0.200 g/dL      | 0.196 g/dL      | ACQ 407041529/3    |
| 81   | Blank             | Not detected    | Not detected    | SPD lab 012517     |

### SUBJECT SAMPLES

Subjects in the sequence 27 Subjects requiring reanalysis 0

**ADDITIONAL NOTES:** All testing proceeded as expected. This run also included four proficiency samples.

Run valid  WAB570 3/16/17  
 Run invalid   
 Analyst

Run valid  KOSECKI 3/16/17  
 Run invalid   
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

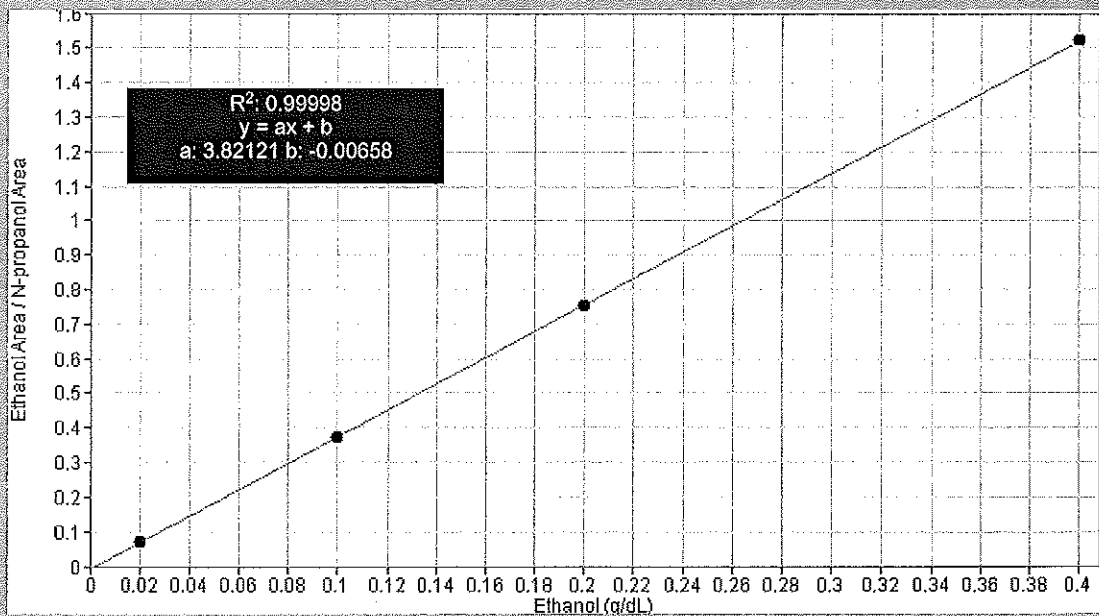
SEQUENCE NAME: 6Mar17

ANALYST: Adrian

| Sample Name              | Vial | Measured Value (g/dL) | Expected Value (g/dL) | Percent Difference | Absolute Difference (g/dL) |
|--------------------------|------|-----------------------|-----------------------|--------------------|----------------------------|
| blank 012517             | 5    | negative              | negative              | -                  | -                          |
| 0.400 Lipomed 08012015-C | 7    | 0.395                 | 0.400                 | 1.25               | -0.005                     |
| 0.040 Lipomed 09022015-A | 8    | 0.039                 | 0.040                 | 2.50               | -0.001                     |
| 0.20 ACQ 407041529/3     | 9    | 0.197                 | 0.200                 | 1.50               | -0.003                     |
| 0.080 Lipomed 28082014-B | 20   | 0.079                 | 0.080                 | 1.25               | -0.001                     |
| 0.150 Lipomed 09022015-C | 31   | 0.149                 | 0.150                 | 0.67               | -0.001                     |
| 0.20 ACQ 407041529/3     | 42   | 0.197                 | 0.200                 | 1.50               | -0.003                     |
| 0.080 Lipomed 28082014-B | 53   | 0.079                 | 0.080                 | 1.25               | -0.001                     |
| 0.150 Lipomed 09022015-C | 64   | 0.148                 | 0.150                 | 1.33               | -0.002                     |
| 0.20 ACQ 407041529/3     | 75   | 0.196                 | 0.200                 | 2.00               | -0.004                     |
| 0.40 Lipomed 08012015-C  | 78   | 0.395                 | 0.400                 | 1.25               | -0.005                     |
| 0.04 Lipomed 09022015-A  | 79   | 0.039                 | 0.040                 | 2.50               | -0.001                     |
| 0.20 ACQ 407041529/3     | 80   | 0.196                 | 0.200                 | 2.00               | -0.004                     |
| blank 012517             | 81   | negative              | negative              | -                  | -                          |

| Calibrator | Ethanol Area | N-propanol Area | Ratio |
|------------|--------------|-----------------|-------|
| 0.020      | 10.622       | 146.956         | 0.072 |
| 0.100      | 54.471       | 145.475         | 0.374 |
| 0.200      | 111.253      | 147.416         | 0.755 |
| 0.400      | 226.284      | 148.525         | 1.524 |

Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Dissemination is restricted to Criminal Justice Agencies authorized by the Scottsdale City Prosecutor. Dissemination to unauthorized agencies is PROHIBITED.

|   |                         |
|---|-------------------------|
| <b>Sample:</b> 0.020 Cerilliant FN03241604    | <b>Item number:</b>     |
| <b>Injection date:</b> 3/6/2017 3:42:48 PM    | <b>Vial:</b> 1          |
| <b>Method:</b> ethanol quant.M                | <b>Sequence:</b> 6Mar17 |
| <b>Instrument:</b> US14173023 CN14160045      | <b>Analyst:</b> Adrian  |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\1.D |                         |

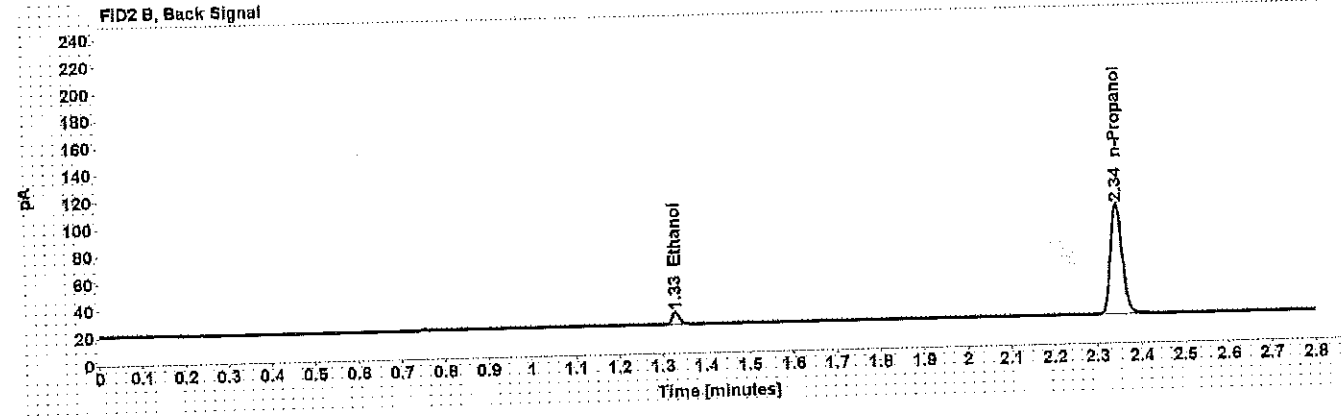
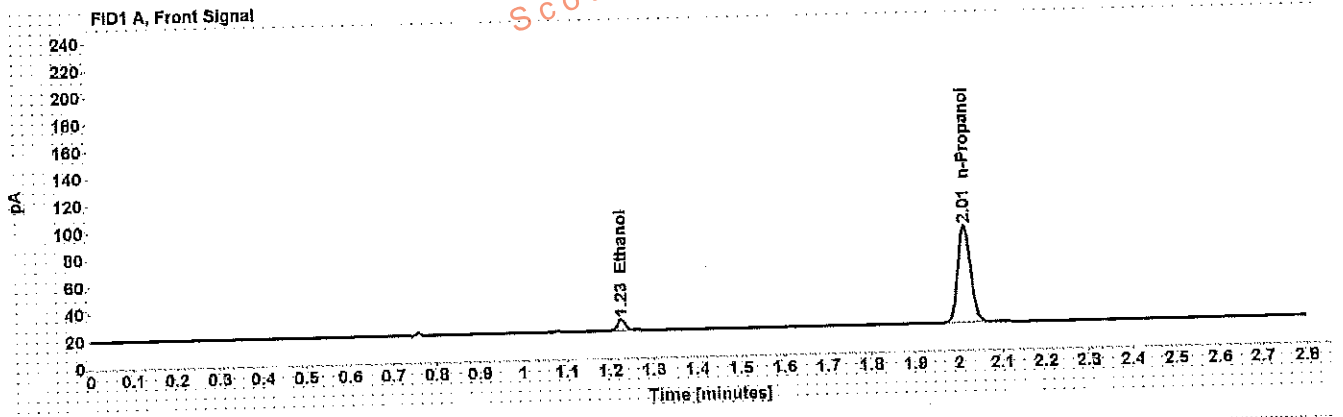


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.225      | 10.622    |
| n-Propanol | 2.014      | 146.956   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 10.767    |
| n-Propanol | 2.344      | 151.302   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                         |
|---|-------------------------|
| <b>Sample:</b> 0.100 Cerilliant FN06181501    | <b>Item number:</b>     |
| <b>Injection date:</b> 3/6/2017 3:46:48 PM    | <b>Vial:</b> 2          |
| <b>Method:</b> ethanol quant.M                | <b>Sequence:</b> 6Mar17 |
| <b>Instrument:</b> US14173023 CN14160045      | <b>Analyst:</b> Adrian  |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\2.D |                         |

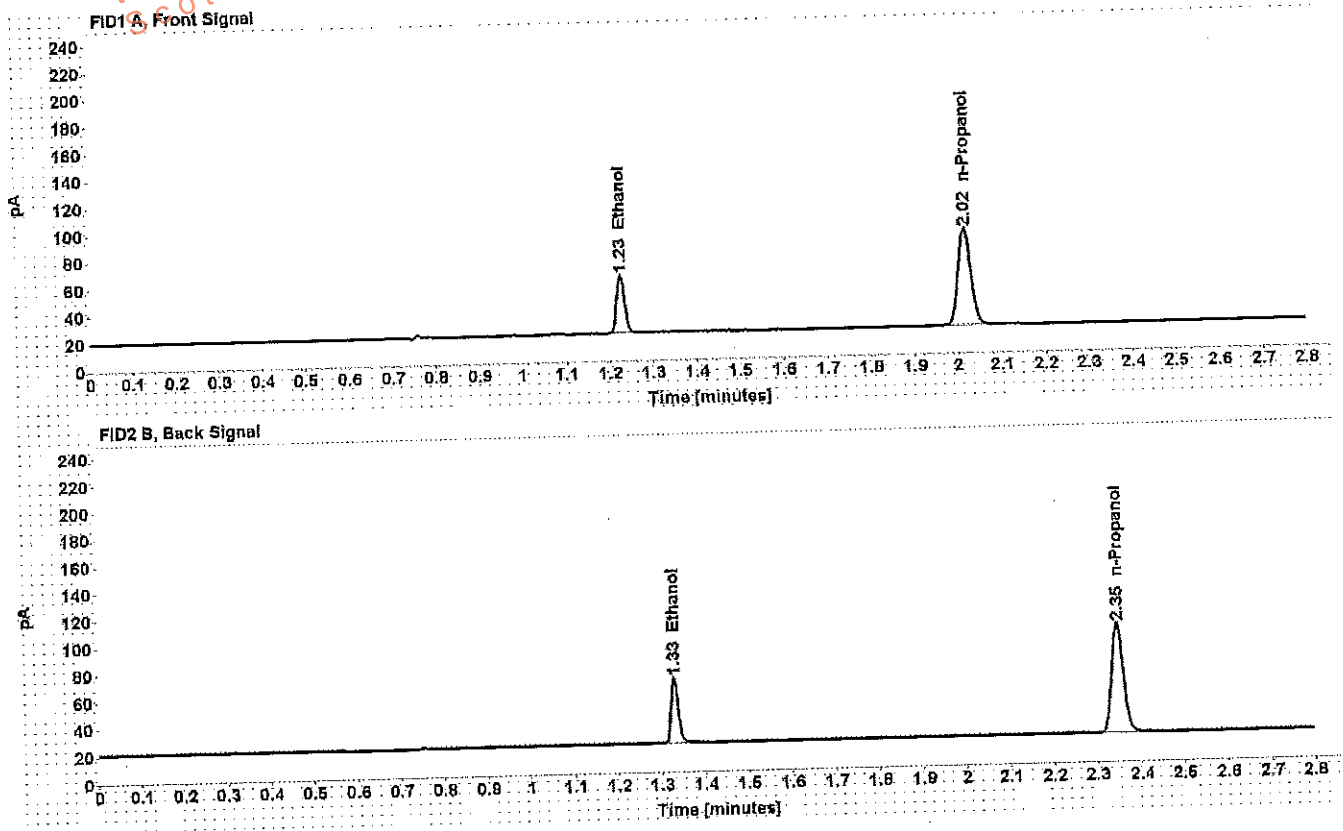


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.225      | 54.471    |
| n-Propanol | 2.015      | 145.475   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 56.209    |
| n-Propanol | 2.346      | 149.828   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                         |
|---|-------------------------|
| <b>Sample:</b> 0.200 Cerilliant FN07201502    | <b>Item number:</b>     |
| <b>Injection date:</b> 3/6/2017 3:50:48 PM    | <b>Vial:</b> 3          |
| <b>Method:</b> ethanol quant.M                | <b>Sequence:</b> 6Mar17 |
| <b>Instrument:</b> US14173023 CN14160045      | <b>Analyst:</b> Adrian  |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\3.D |                         |

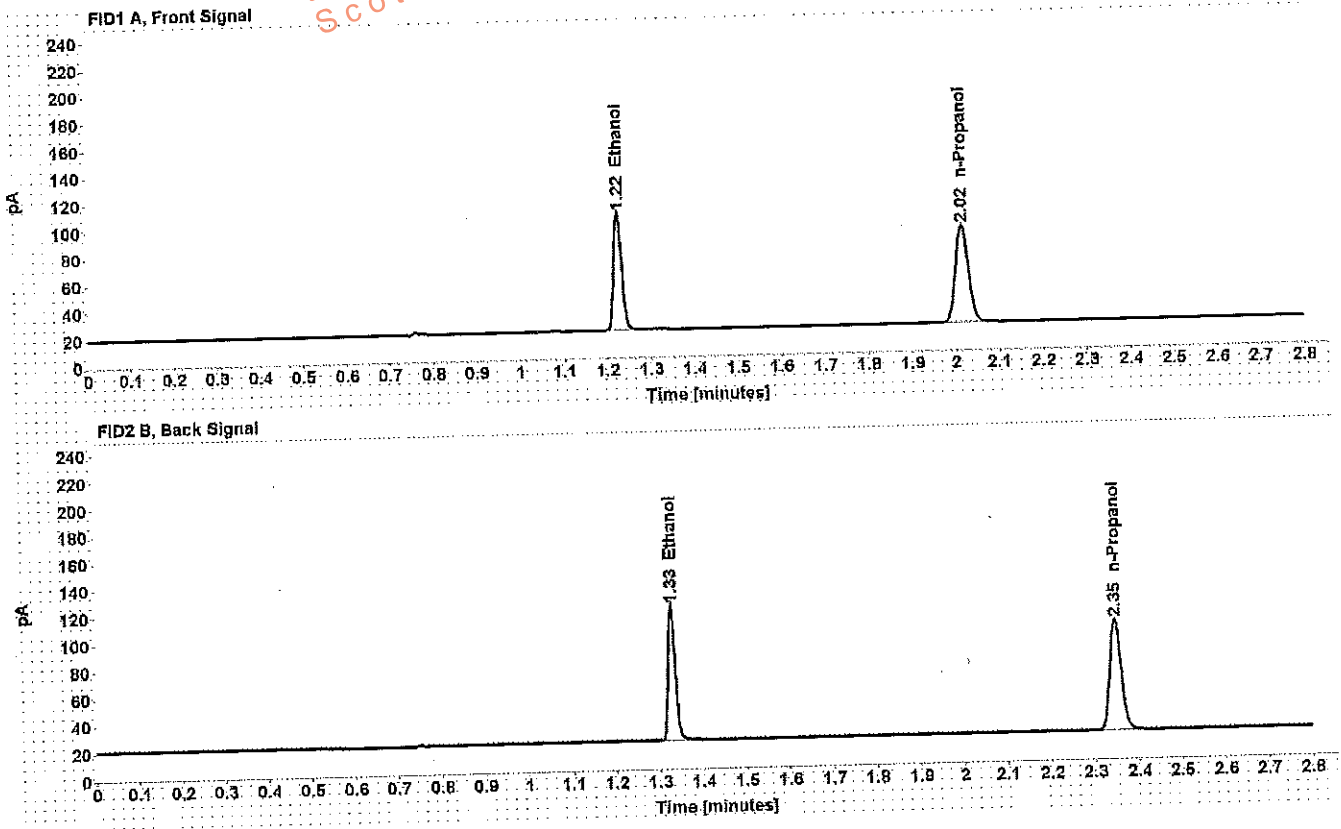


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.225      | 111.253   |
| n-Propanol | 2.015      | 147.416   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 115.079   |
| n-Propanol | 2.346      | 151.928   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:** 0.400 Cerilliant FN11191402  
**Injection date:** 3/6/2017 3:54:48 PM  
**Method:** ethanol quant.M  
**Instrument:** US14173023 CN14160045  
**Data file:** C:\Chem32\1\Data\6Mar17\4.D

**Item number:**  
**Vial:** 4  
**Sequence:** 6Mar17  
**Analyst:** Adrian

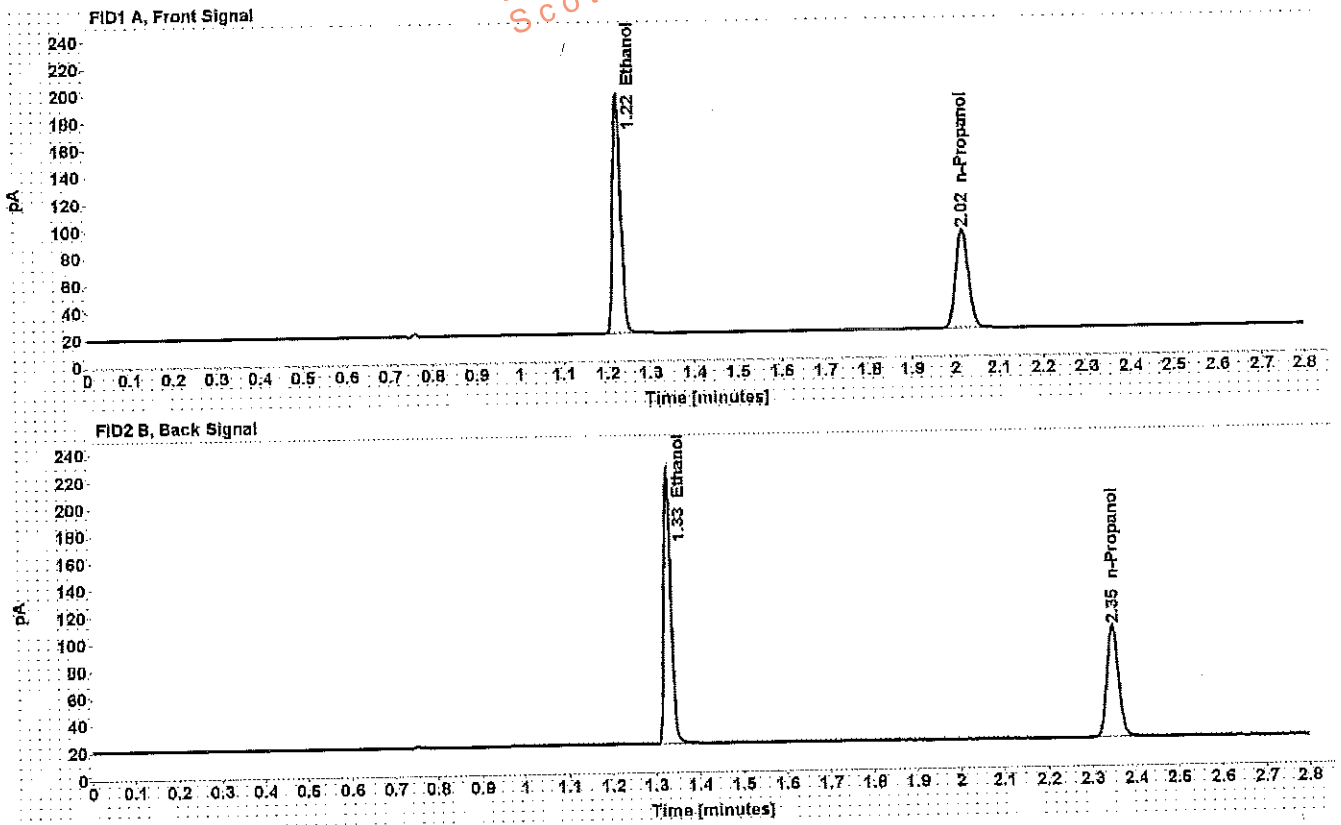


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.224      | 226.284   |
| n-Propanol | 2.015      | 148.525   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 234.356   |
| n-Propanol | 2.346      | 153.083   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:** blank 012517 **Item number:**  
**Injection date:** 3/6/2017 3:58:48 PM **Vial:** 5  
**Method:** ethanol quant.M **Sequence:** 6Mar17  
**Instrument:** US14173023 CN14160045 **Analyst:** Adrian  
**Data file:** C:\Chem321\1Data\6Mar17\5.D

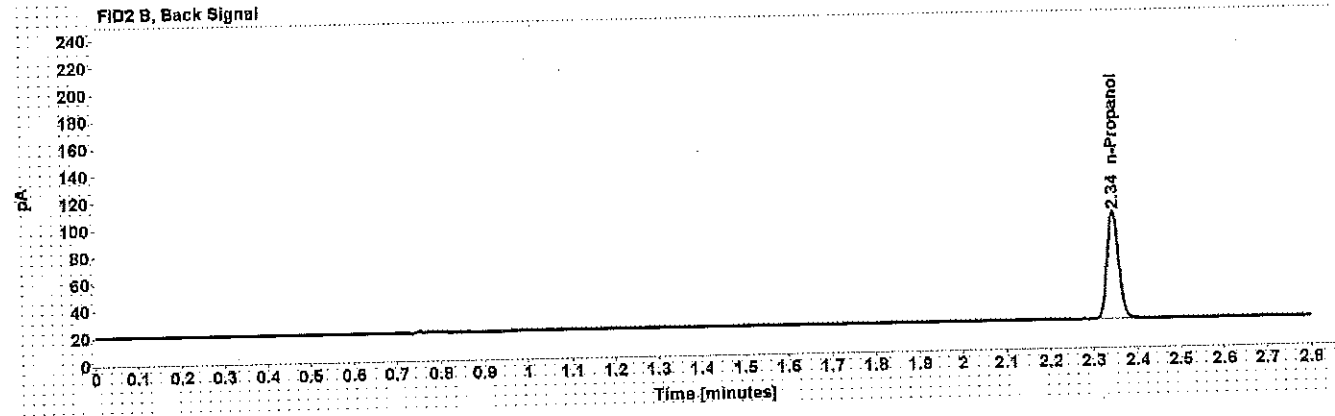
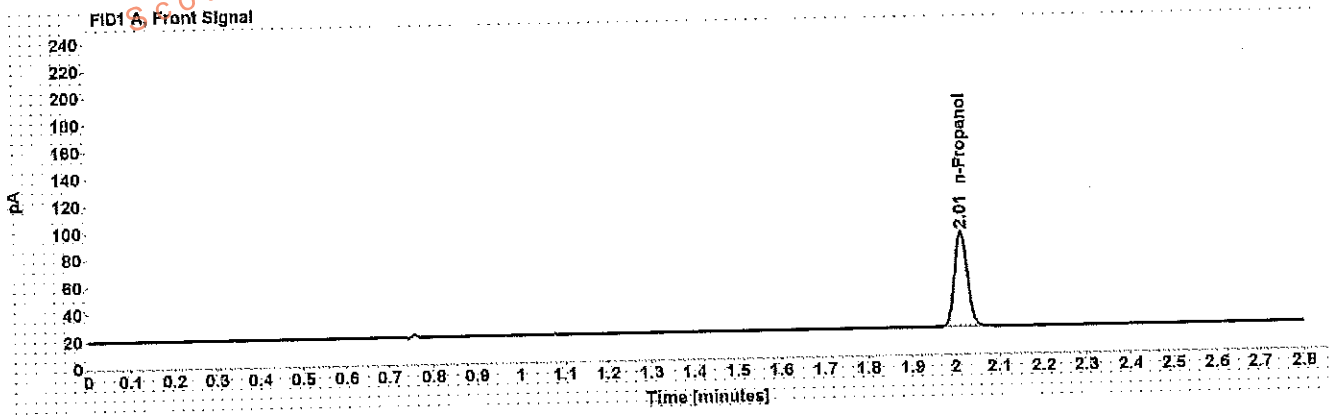


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| n-Propanol | -----            | 2.014      | 143.633   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| n-Propanol | 2.344      | 147.945   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                         |
|---|-------------------------|
| <b>Sample:</b> volatiles mix 020917 WLA       | <b>Item number:</b>     |
| <b>Injection date:</b> 3/6/2017 4:02:48 PM    | <b>Vial:</b> 6          |
| <b>Method:</b> ethanol quant.M                | <b>Sequence:</b> 6Mar17 |
| <b>Instrument:</b> US14173023 CN14160045      | <b>Analyst:</b> Adrian  |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\6.D |                         |

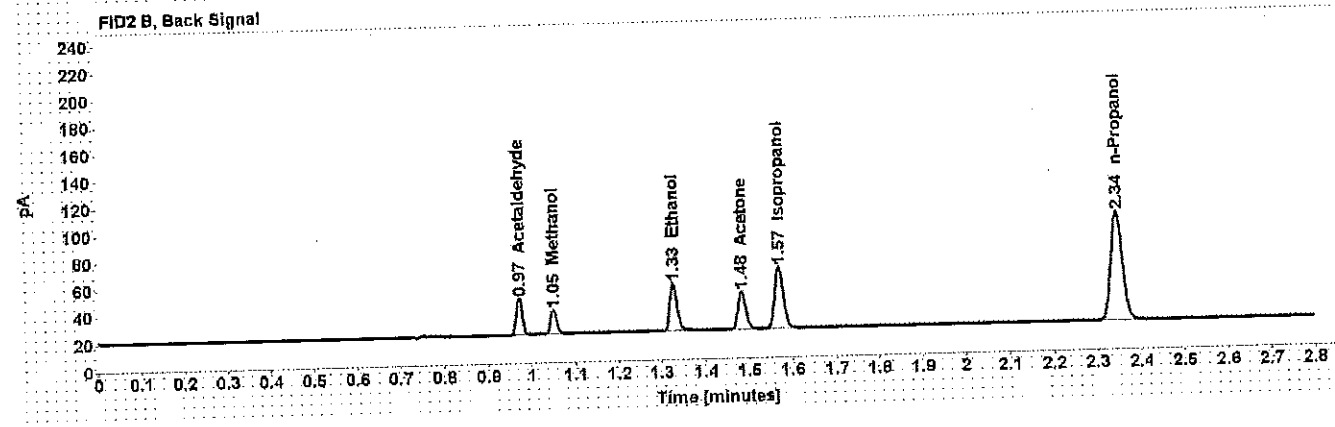
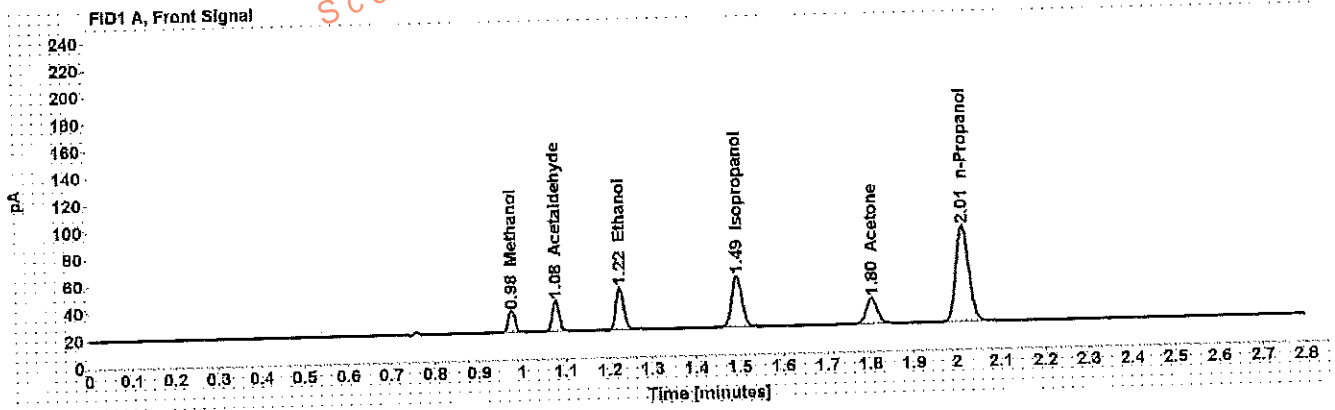


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Methanol     | -----            | 0.976      | 17.578    |
| Acetaldehyde | -----            | 1.077      | 24.621    |
| >Ethanol     | 0.0733           | 1.224      | 39.727    |
| Isopropanol  | -----            | 1.493      | 61.548    |
| Acetone      | -----            | 1.804      | 33.887    |
| n-Propanol   | -----            | 2.014      | 145.223   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 25.929    |
| Methanol     | 1.050      | 18.045    |
| Ethanol      | 1.327      | 40.852    |
| Acetone      | 1.483      | 34.727    |
| Isopropanol  | 1.570      | 63.863    |
| n-Propanol   | 2.344      | 149.543   |



# Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                         |
|--|-------------------------|
| <b>Sample:</b> 0.400 Lipomed 08012015-C        | <b>Item number:</b>     |
| <b>Injection date:</b> 3/6/2017 4:07:02 PM     | <b>Vial:</b> 7          |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17 |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian  |
| <b>Data file:</b> C:\Chem32\11\Data\6Mar17\7.D |                         |

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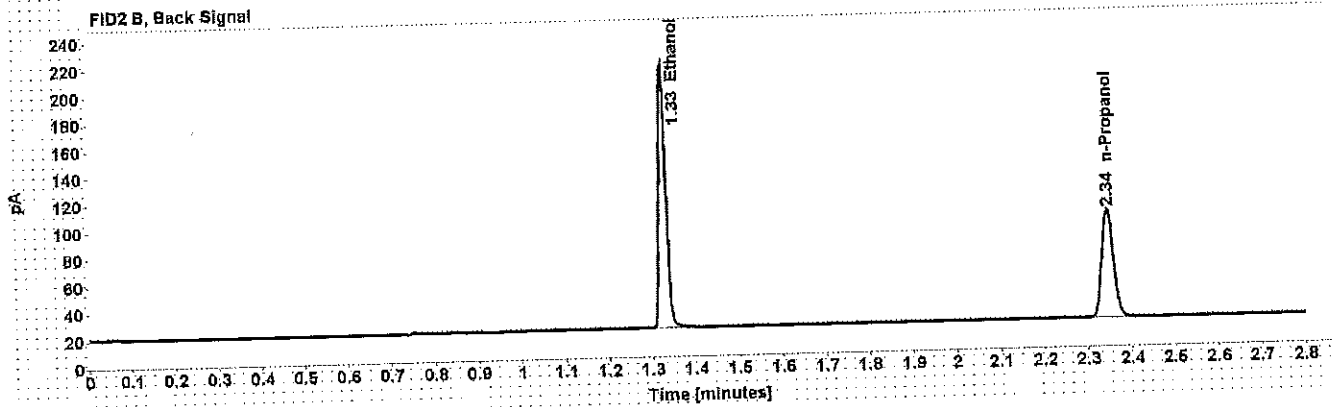
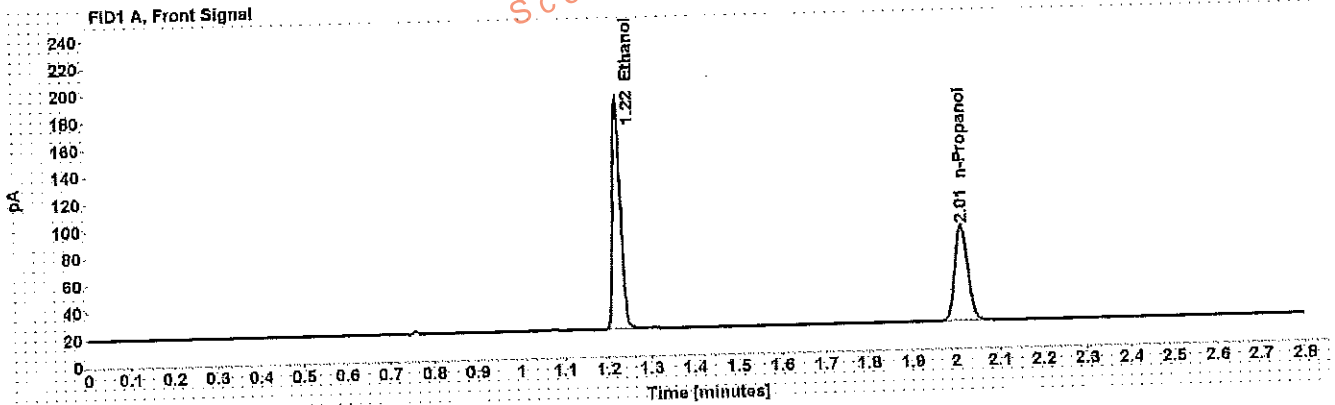


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.3951           | 1.223      | 216.822   |
| n-Propanol | -----            | 2.014      | 144.228   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.326      | 224.848   |
| n-Propanol | 2.345      | 148.519   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                         |
|---|-------------------------|
| <b>Sample:</b> 0.040 Lipomed 09022015-A       | <b>Item number:</b>     |
| <b>Injection date:</b> 3/6/2017 4:11:03 PM    | <b>Vial:</b> 8          |
| <b>Method:</b> ethanol quant.M                | <b>Sequence:</b> 6Mar17 |
| <b>Instrument:</b> US14173023 CN14160045      | <b>Analyst:</b> Adrian  |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\8.D |                         |

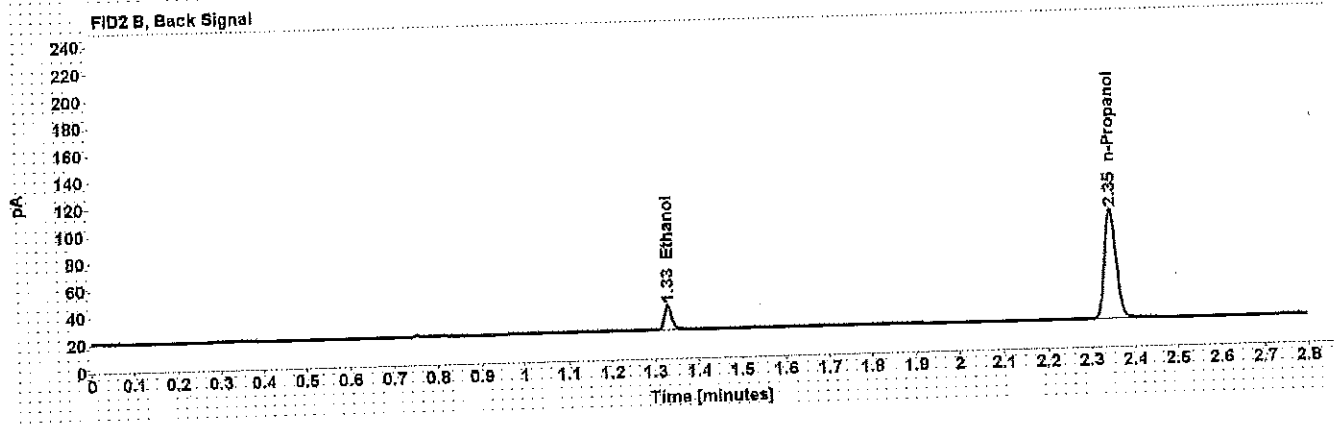
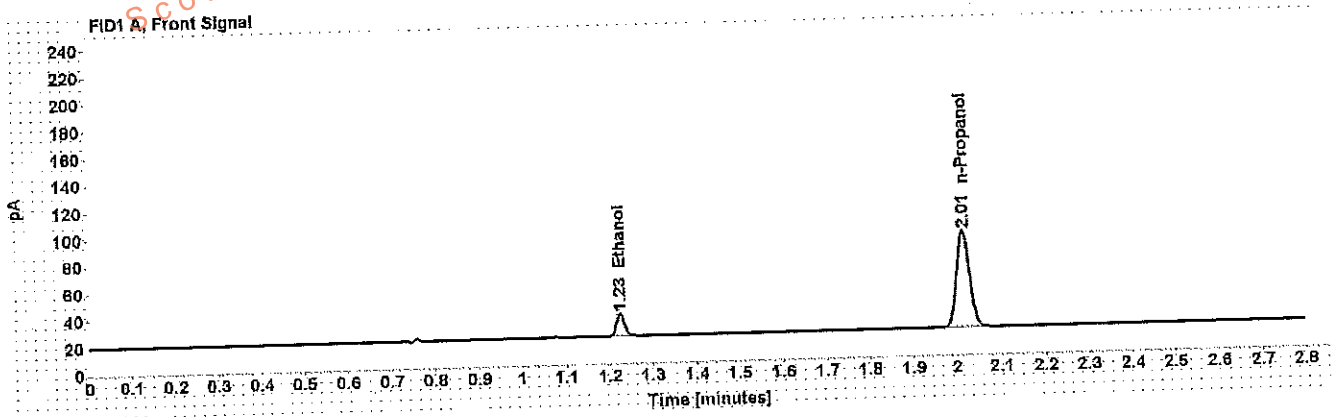


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0394           | 1.225      | 21.011    |
| n-Propanol | -----            | 2.015      | 145.989   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 21.537    |
| n-Propanol | 2.345      | 150.560   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                             |              |        |
|-----------------|-----------------------------|--------------|--------|
| Sample:         | 0.20 ACQ 407041529/3        | Item number: | 9      |
| Injection date: | 3/6/2017 4:15:03 PM         | Vial:        | 6Mar17 |
| Method:         | ethanol quant.M             | Sequence:    | 6Mar17 |
| Instrument:     | US14173023 CN14160045       | Analyst:     | Adrian |
| Data file:      | C:\Chem3211\Data\6Mar17\9.D |              |        |

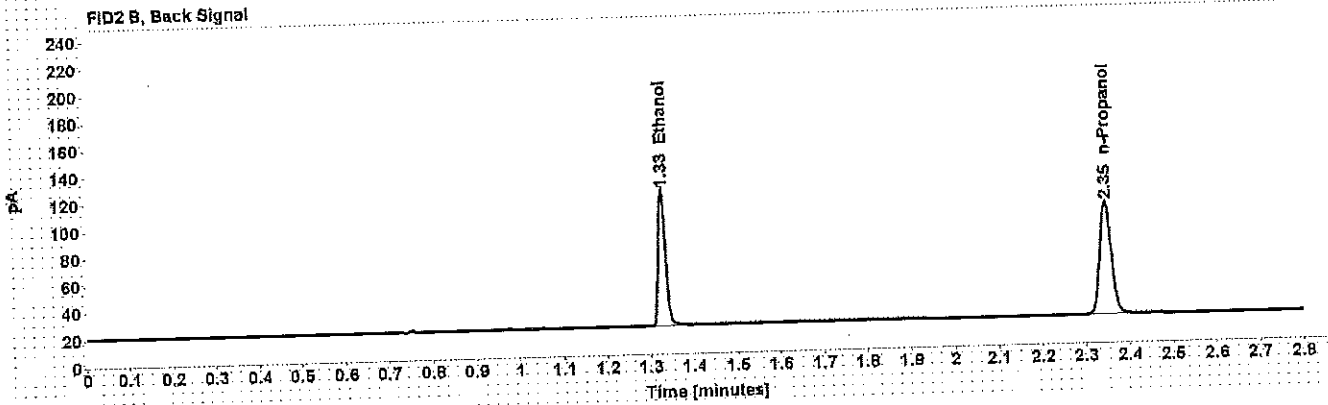
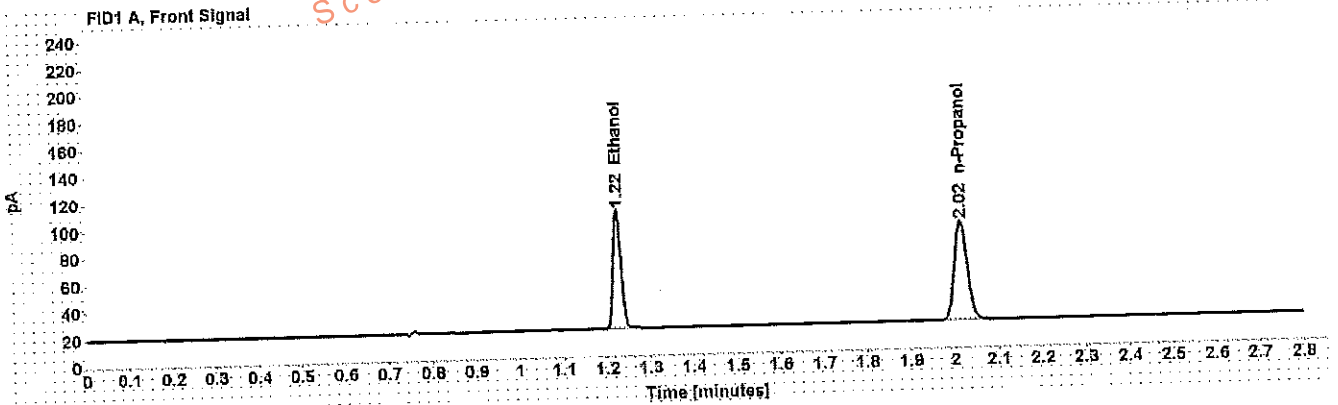


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1978           | 1.225      | 112.169   |
| n-Propanol | -----            | 2.015      | 149.715   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 116.012   |
| n-Propanol | 2.346      | 154.238   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

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**Sample:** 0.080 Lipomed 28082014-B  
**Injection date:** 3/6/2017 4:59:33 PM  
**Method:** ethanol quant.M  
**Instrument:** US14173023 CN14160045  
**Data file:** C:\Chem32\1\Data\6Mar17\20.D  
**Item number:**  
**Vial:** 20  
**Sequence:** 6Mar17  
**Analyst:** Adrian

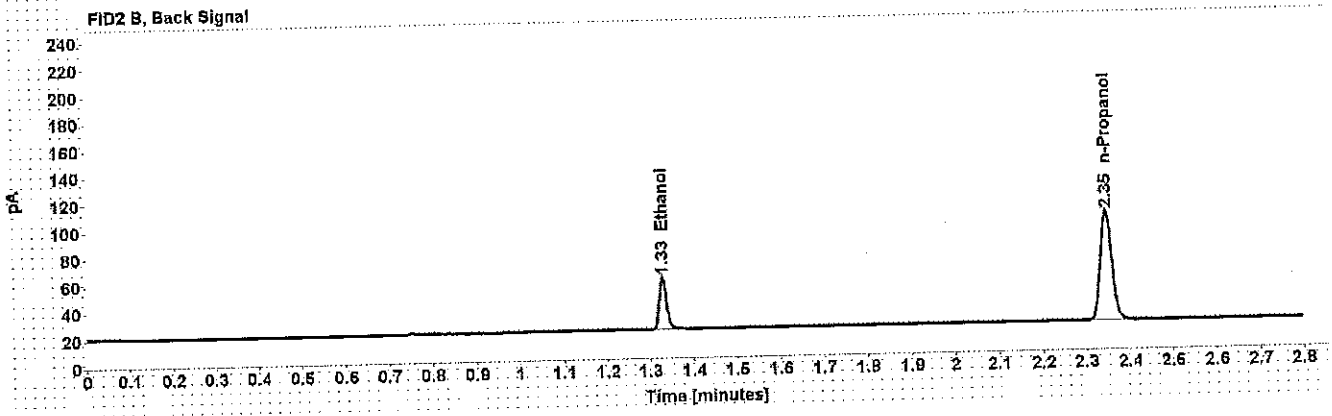
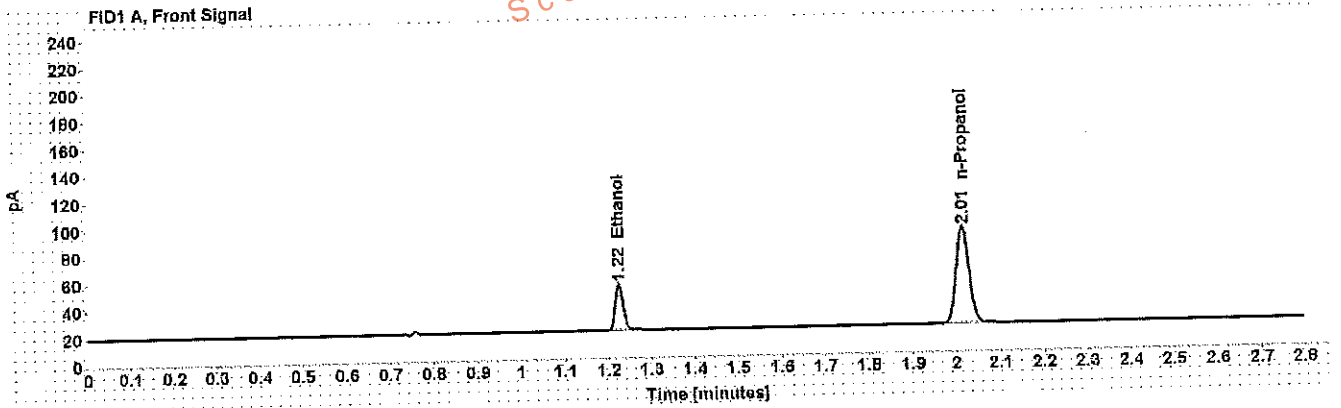


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0799           | 1.225      | 43.561    |
| n-Propanol | -----            | 2.015      | 145.885   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 44.895    |
| n-Propanol | 2.346      | 150.639   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:** 0.150 Lipomed 09022015-C  
**Injection date:** 3/6/2017 5:44:03 PM  
**Method:** ethanol.quant.M  
**Instrument:** US14173023 CN14160045  
**Data file:** C:\Chem32\1\Data\6Mar17\31.D

**Item number:**  
**Vial:** 31  
**Sequence:** 6Mar17  
**Analyst:** Adrian

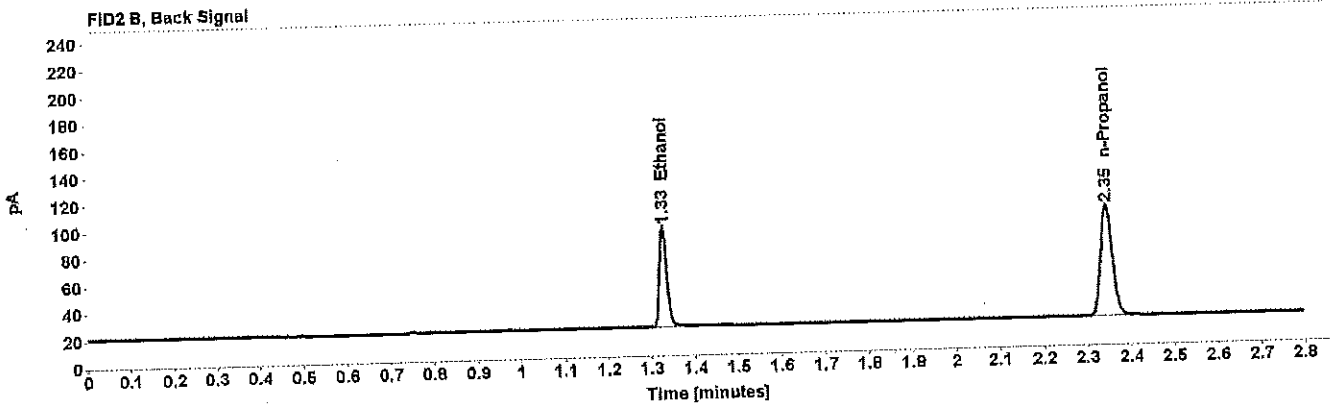
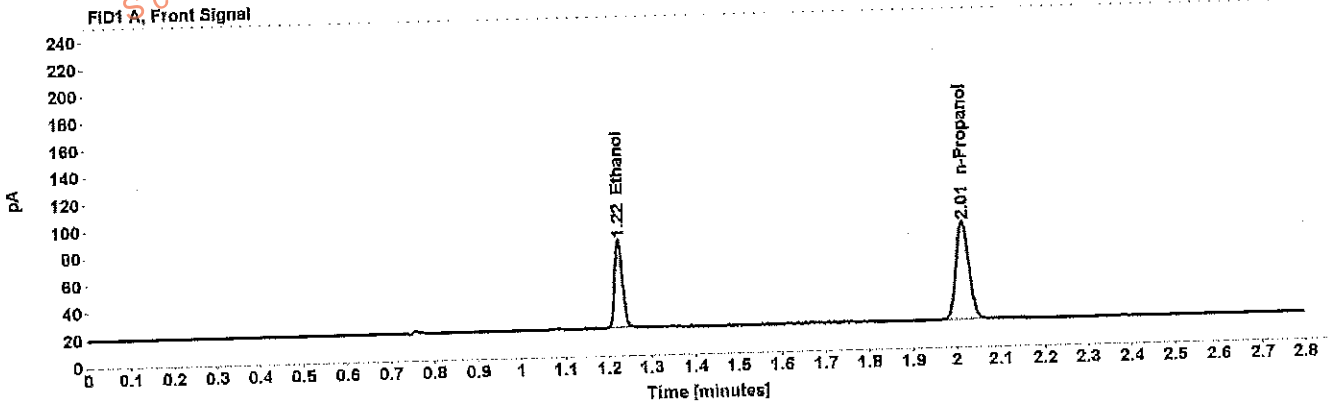


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1499           | 1.224      | 83.504    |
| n-Propanol | -----            | 2.015      | 147.523   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 86.384    |
| n-Propanol | 2.345      | 152.327   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                         |
|--|-------------------------|
| <b>Sample:</b> 0.20 ACQ 407041529/3            | <b>Item number:</b>     |
| <b>Injection date:</b> 3/6/2017 6:28:18 PM     | <b>Vial:</b> 42         |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17 |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian  |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\42.D |                         |

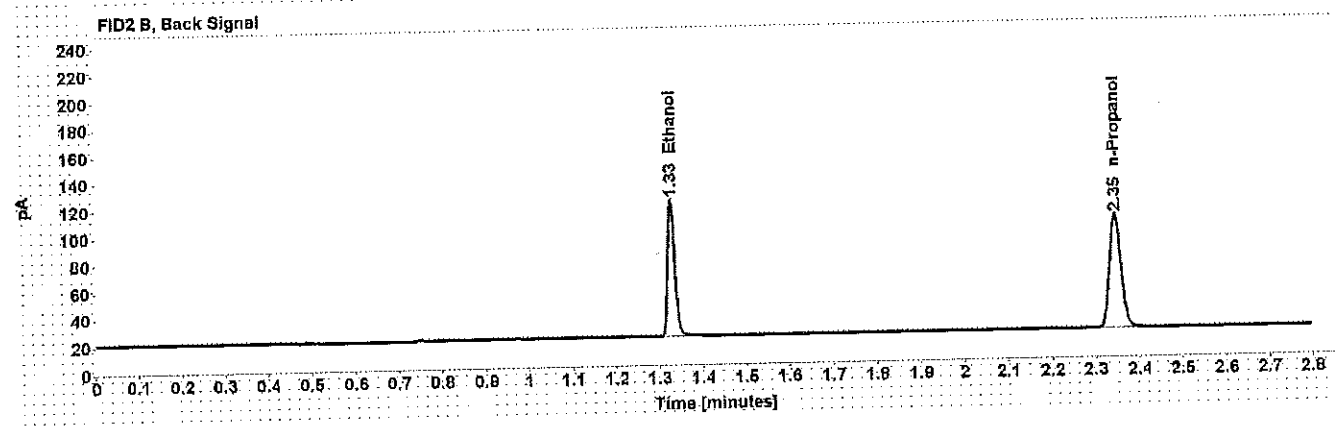
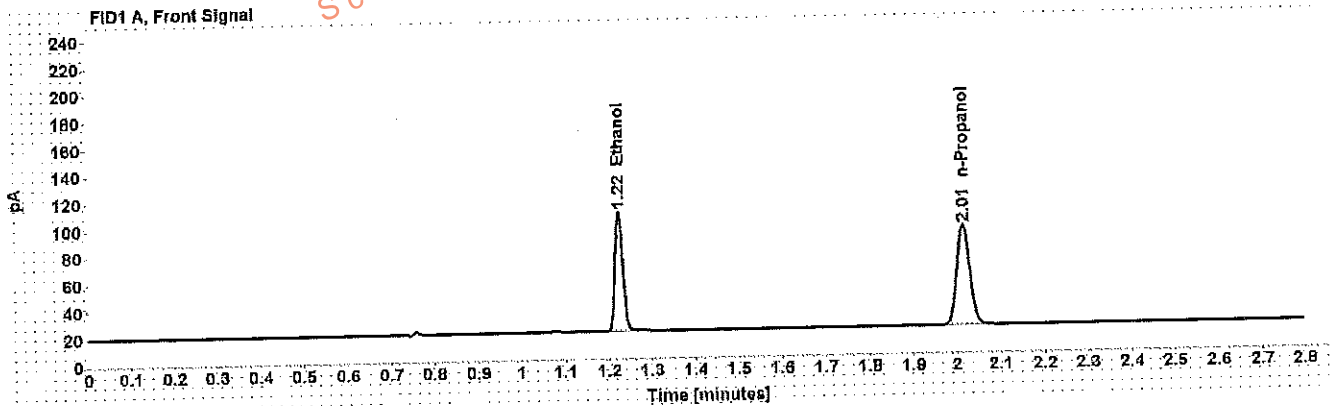


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1974           | 1.224      | 113.149   |
| n-Propanol | -----            | 2.015      | 151.331   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 117.208   |
| n-Propanol | 2.346      | 156.278   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

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 Scottsdale City Prosecutor

|                 |                              |              |        |
|-----------------|------------------------------|--------------|--------|
| Sample:         | 0.080 Lipomed 28082014-B     | Item number: | 53     |
| Injection date: | 3/6/2017 7:12:48 PM          | Vial:        | 6Mar17 |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17 |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian |
| Data file:      | C:\Chem32\1\Data\6Mar17\53.D |              |        |

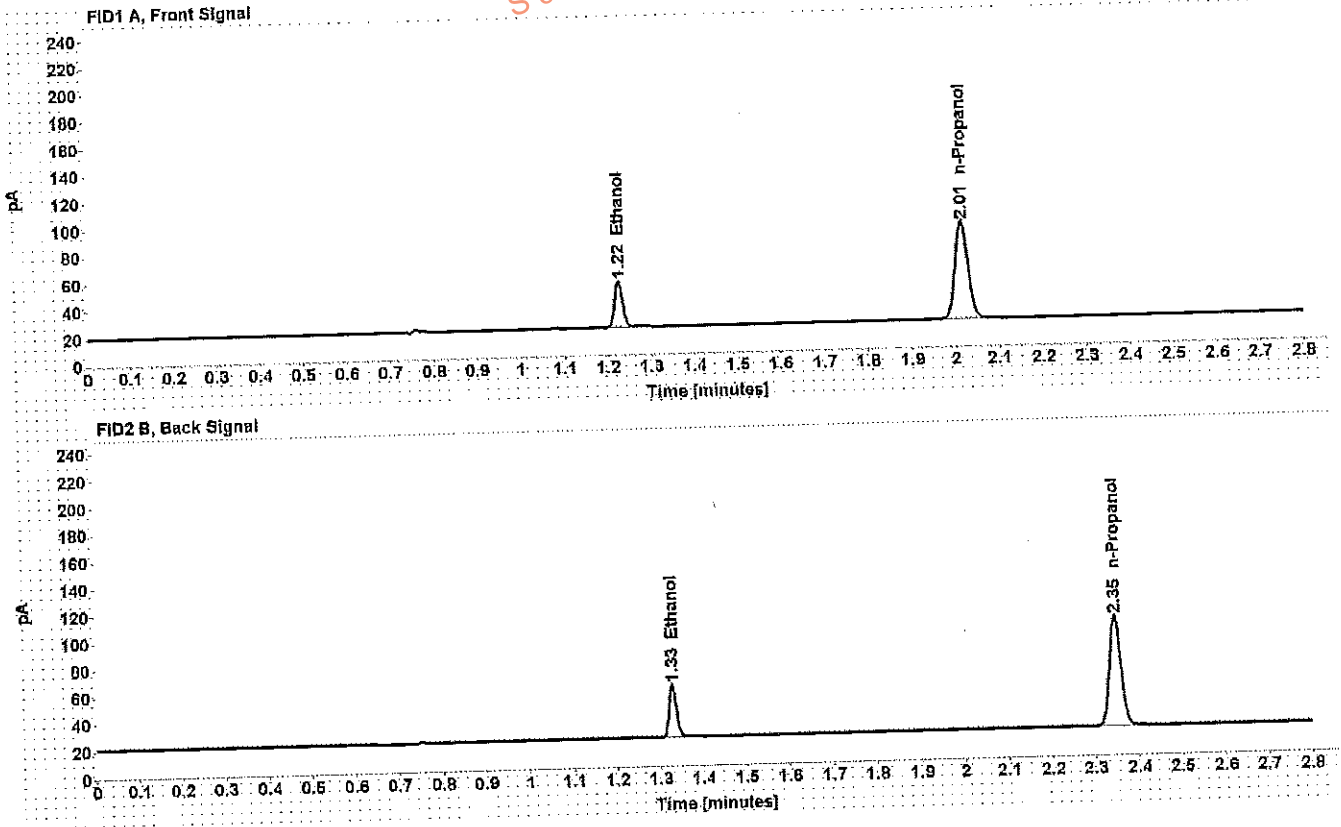


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0798           | 1.225      | 43.803    |
| n-Propanol | -----            | 2.015      | 146.778   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 45.092    |
| n-Propanol | 2.346      | 151.730   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

WJH

|   |   |
|---|---|
| <b>Sample:</b> 0.150 Lipomed 09022015-C<br><b>Injection date:</b> 3/6/2017 7:57:18 PM<br><b>Method:</b> ethanol.quant.M<br><b>Instrument:</b> US14173023 CN14160045<br><b>Data file:</b> C:\Chem32\1\Data\6Mar17\64.D | <b>Item number:</b><br><b>Vial:</b> 64<br><b>Sequence:</b> 6Mar17<br><b>Analyst:</b> Adrian |
|---|---|

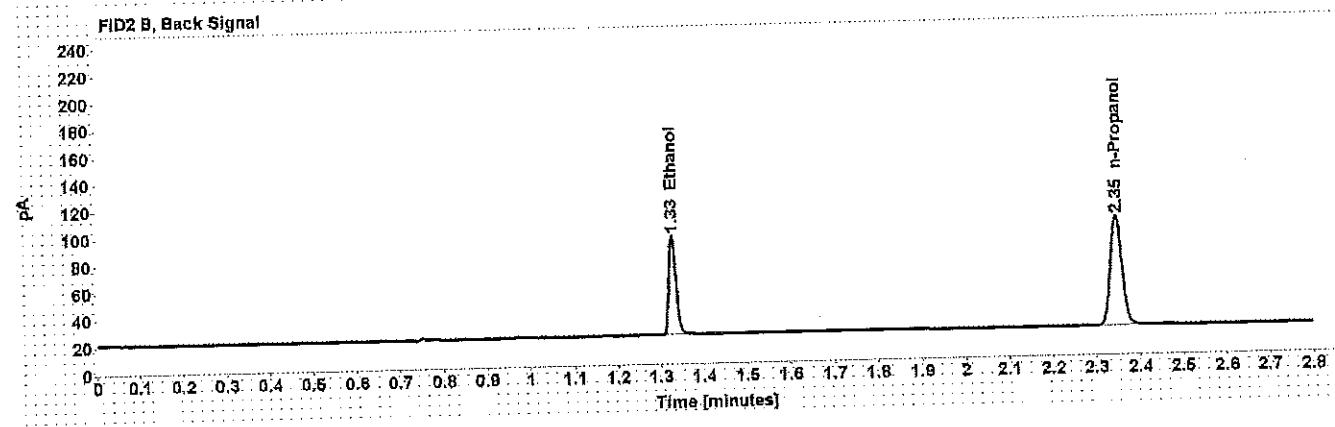
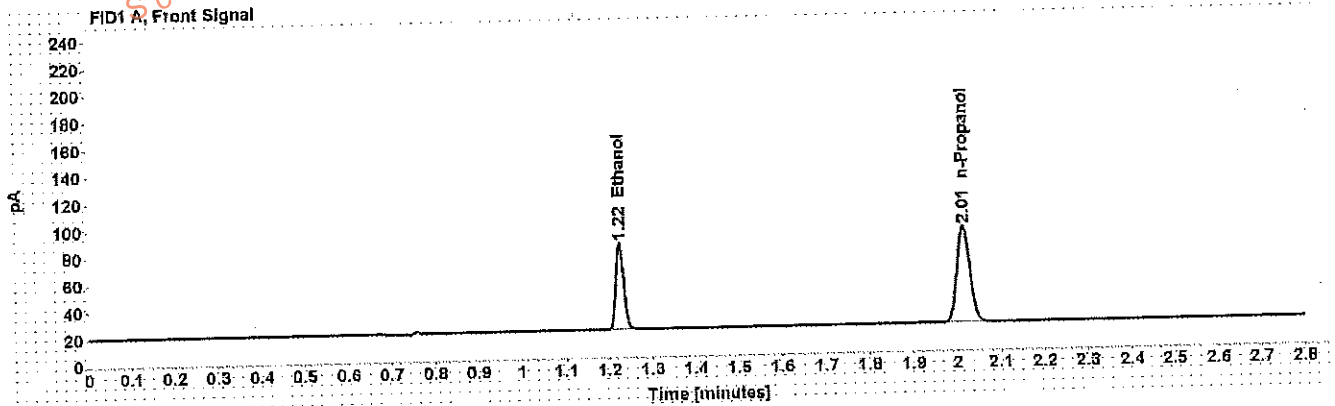


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1487           | 1.224      | 82.063    |
| n-Propanol | -----            | 2.015      | 146.085   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 84.865    |
| n-Propanol | 2.346      | 151.039   |



WA

# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized dissemination Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

|                 |                              |              |        |
|-----------------|------------------------------|--------------|--------|
| Sample:         | 0.20 ACQ 407041529/3         | Item number: |        |
| Injection date: | 3/6/2017 8:41:48 PM          | Vial:        | 75     |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17 |
| Instrument:     | US14173023 CN14180045        | Analyst:     | Adrian |
| Data file:      | C:\Chem32\11Data\6Mar17\75.D |              |        |

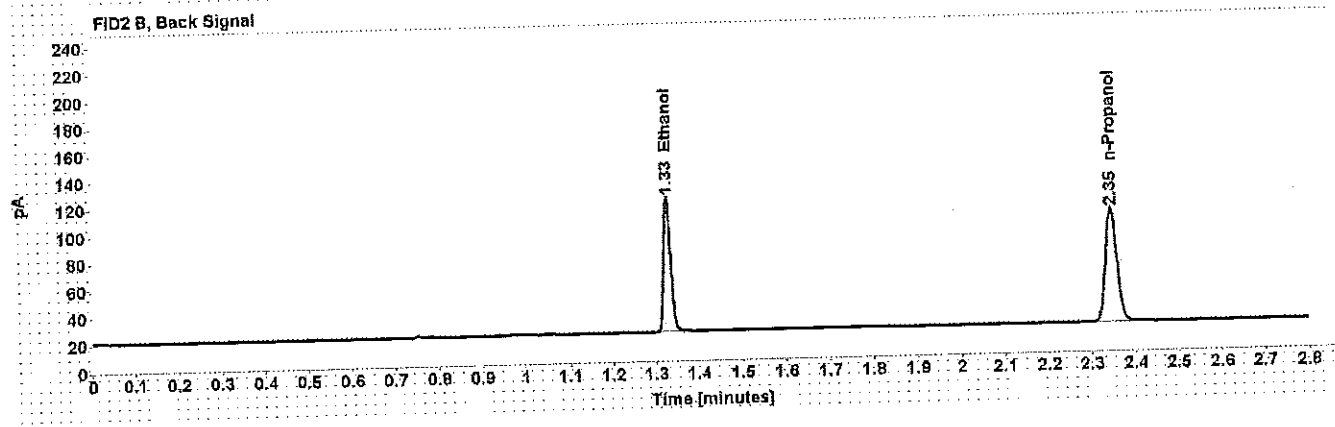
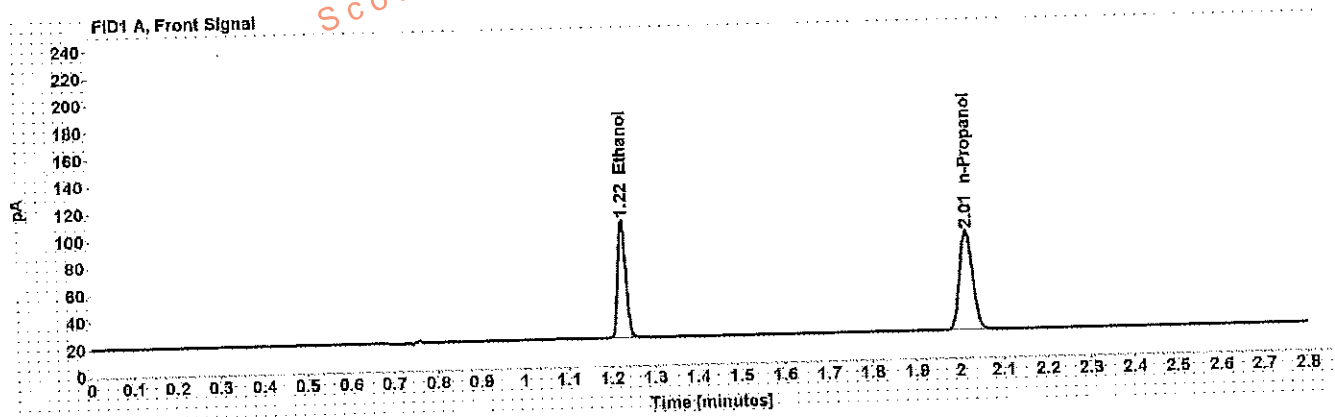


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1961           | 1.224      | 111.462   |
| n-Propanol | -----            | 2.015      | 150.084   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.327      | 115.282   |
| n-Propanol | 2.346      | 154.926   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

Dissemination is restricted to Criminal Justice Agencies and authorized Non-C.J. Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.  
 Scottsdale City Prosecutor

**Sample:** 0.40 Lipomed 08012015-C  
**Injection date:** 3/6/2017 8:53:48 PM  
**Method:** ethanol quant.M  
**Instrument:** US14173023 CN14160045  
**Data file:** C:\Chem32\1\Data\6Mar17\178.D  
**Item number:**  
**Vial:** 78  
**Sequence:** 6Mar17  
**Analyst:** Adrian

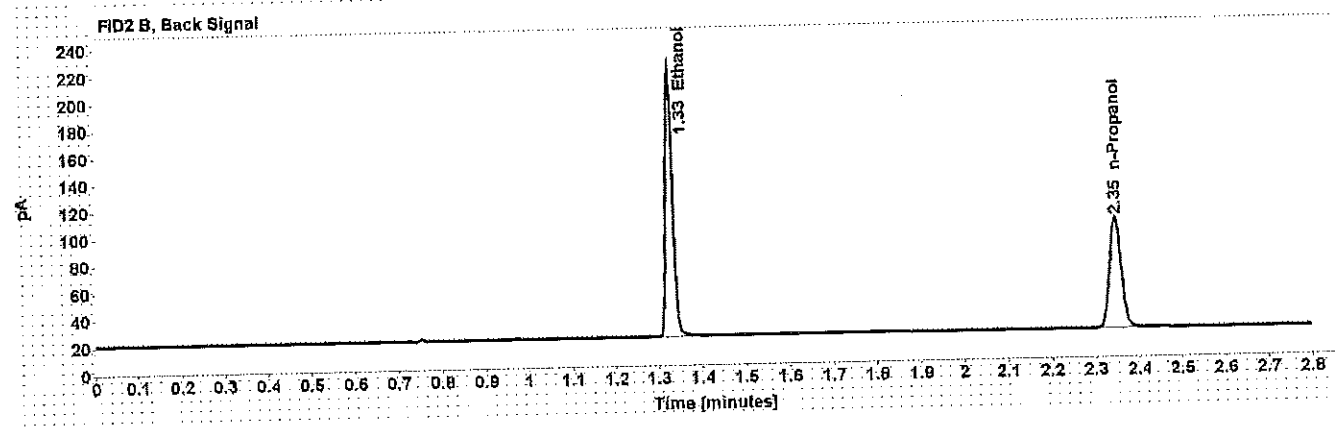
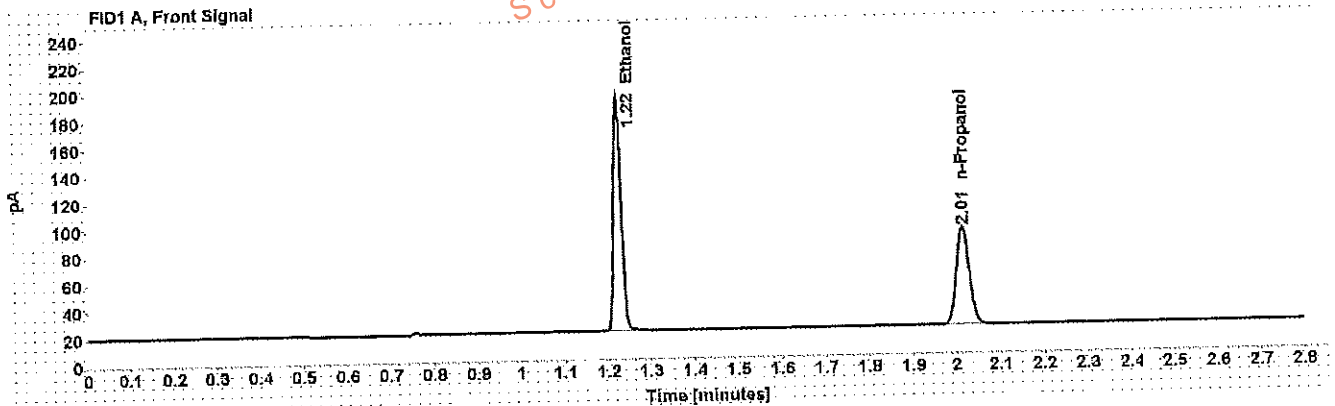


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.3959           | 1.224      | 221.574   |
| n-Propanol | -----            | 2.015      | 147.094   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.327      | 229.895   |
| n-Propanol | 2.345      | 151.896   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

|  |   |
|--|---|
| <b>Sample:</b> 0.04 Lipomed 09022015-A<br><b>Injection date:</b> 3/6/2017 8:58:03 PM<br><b>Method:</b> ethanol quant.M<br><b>Instrument:</b> US14173023 GN14160045<br><b>Data file:</b> C:\Chem32\1\Data\6Mar17\79.D | <b>Item number:</b><br><b>Vial:</b> 79<br><b>Sequence:</b> 6Mar17<br><b>Analyst:</b> Adrian |
|--|---|

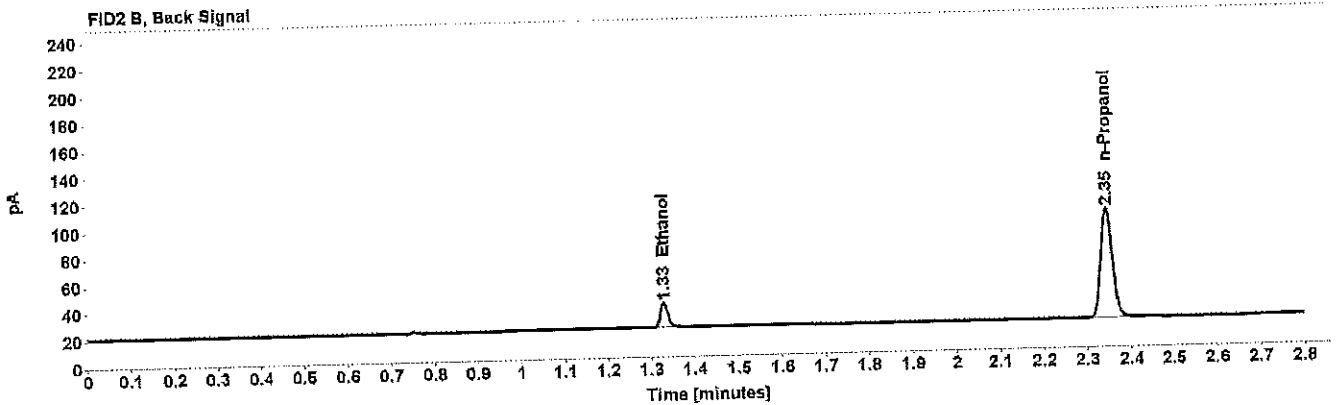
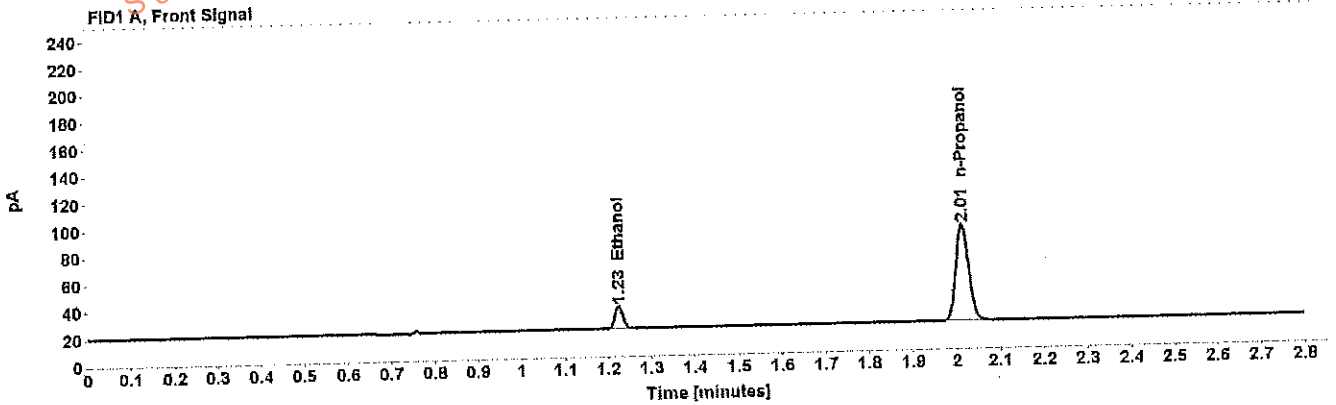


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0397           | 1.225      | 21.081    |
| n-Propanol | -----            | 2.015      | 145.320   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 21.705    |
| n-Propanol | 2.345      | 150.147   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

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Scottsdale City Prosecutor's Office

|                 |                              |              |        |
|-----------------|------------------------------|--------------|--------|
| Sample:         | 0.20 ACQ 407041529/3         | Item number: |        |
| Injection date: | 3/6/2017 9:02:03 PM          | Vial:        | 80     |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17 |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian |
| Data file:      | C:\Chem3211\Data\6Mar17\80.D |              |        |

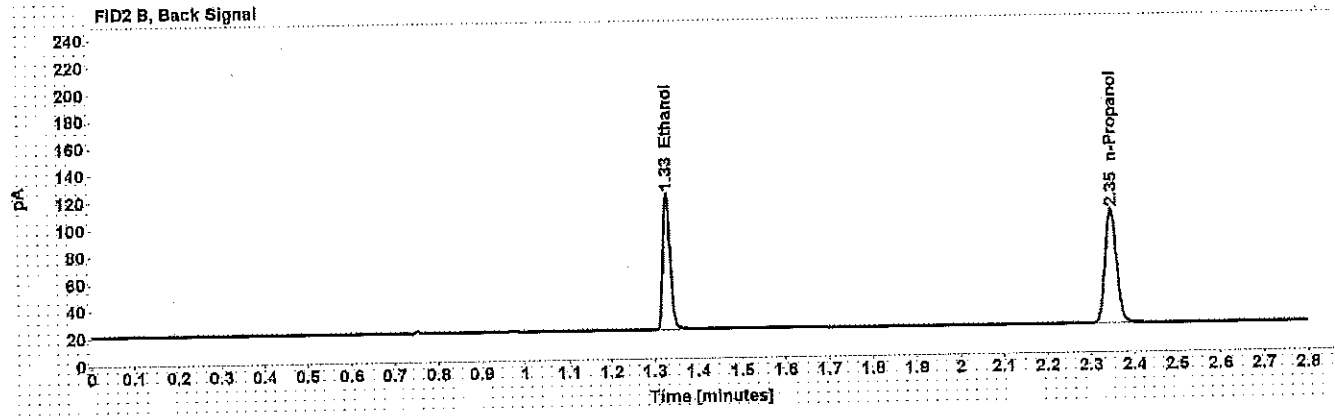
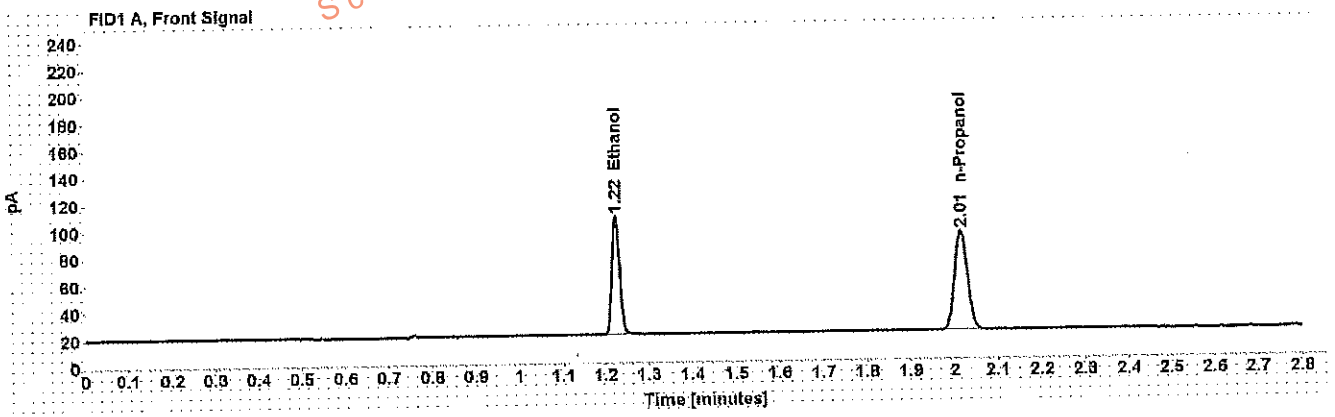


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1965           | 1.224      | 112.487   |
| n-Propanol | -----            | 2.015      | 151.148   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 116.347   |
| n-Propanol | 2.346      | 156.317   |

# Scottsdale Police Department Crime Lab Volatiles Analysis

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|                 |                              |              |        |
|-----------------|------------------------------|--------------|--------|
| Sample:         | blank 012517                 | Item number: | 81     |
| Injection date: | 3/6/2017 9:06:03 PM          | Vial:        | 81     |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17 |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian |
| Data file:      | C:\Chem32\1\Data\6Mar17\81.D |              |        |

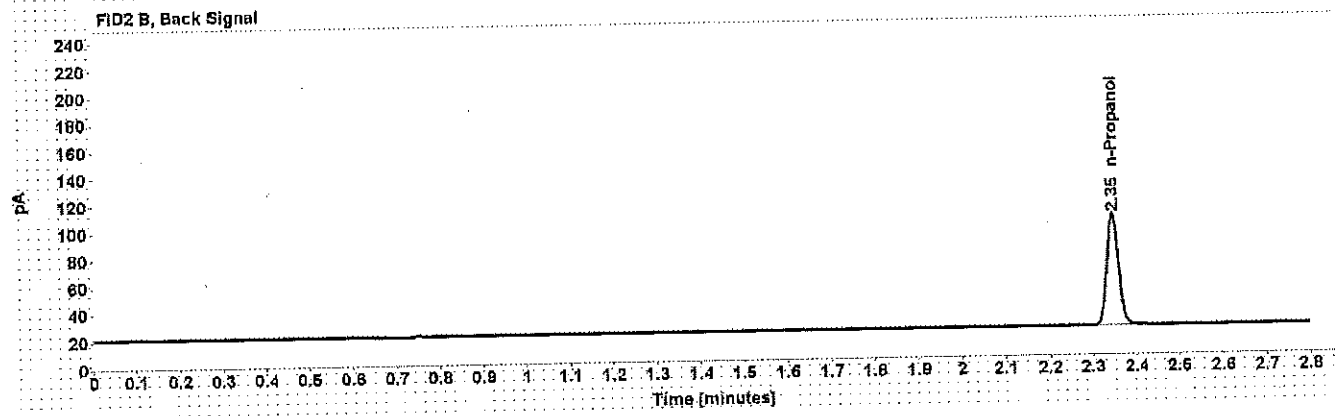
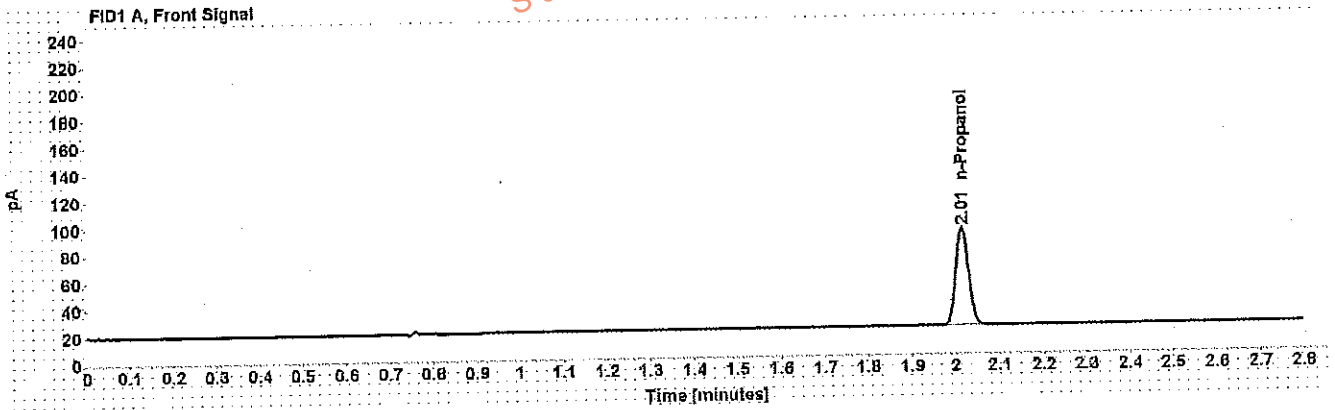


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| n-Propanol | -----            | 2.015      | 147.894   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| n-Propanol | 2.346      | 153.011   |

# Sequence Summary

Sequence name: 6Mar17 Instrument: US14173023 CN14160045 Analyst: Adrian

| Vial | Sample                      | Type        | Item Number | Method          |
|------|-----------------------------|-------------|-------------|-----------------|
| 1    | 0.020 Cerilliant FN03241604 | Calibration |             | ethanol quant.M |
| 2    | 0.100 Cerilliant FN06181501 | Calibration |             | ethanol quant.M |
| 3    | 0.200 Cerilliant FN07201502 | Calibration |             | ethanol quant.M |
| 4    | 0.400 Cerilliant FN11191402 | Calibration |             | ethanol quant.M |
| 5    | blank 012517                | Control     |             | ethanol quant.M |
| 6    | volatiles mix 020917 WLA    | Control     |             | ethanol quant.M |
| 7    | 0.400 Lipomed 08012015-C    | Control     |             | ethanol quant.M |
| 8    | 0.040 Lipomed 09022015-A    | Control     |             | ethanol quant.M |
| 9    | 0.20 ACQ 407041529/3        | Control     |             | ethanol quant.M |
| 10   |                             | Sample      | 1142072     | ethanol quant.M |
| 11   |                             | Sample      | 1142072     | ethanol quant.M |
| 12   |                             | Sample      | 1123118     | ethanol quant.M |
| 13   |                             | Sample      | 1123118     | ethanol quant.M |
| 14   |                             | Sample      | 1117094     | ethanol quant.M |
| 15   |                             | Sample      | 1117094     | ethanol quant.M |
| 16   |                             | Sample      | 285-01A     | ethanol quant.M |
| 17   |                             | Sample      | 285-01A     | ethanol quant.M |
| 18   |                             | Sample      | 1046919     | ethanol quant.M |
| 19   |                             | Sample      | 1046919     | ethanol quant.M |
| 20   | 0.080 Lipomed 28062014-B    | Control     |             | ethanol quant.M |
| 21   |                             | Sample      | 1137797     | ethanol quant.M |
| 22   |                             | Sample      | 1137797     | ethanol quant.M |
| 23   |                             | Sample      | 1107037     | ethanol quant.M |
| 24   |                             | Sample      | 1107037     | ethanol quant.M |
| 25   |                             | Sample      | 1106027     | ethanol quant.M |
| 26   |                             | Sample      | 1106027     | ethanol quant.M |
| 27   |                             | Sample      | 1140343     | ethanol quant.M |
| 28   |                             | Sample      | 1140343     | ethanol quant.M |
| 29   |                             | Sample      | 1105006     | ethanol quant.M |
| 30   |                             | Sample      | 1105006     | ethanol quant.M |
| 31   | 0.150 Lipomed 09022015-C    | Control     |             | ethanol quant.M |
| 32   |                             | Sample      | 1141311     | ethanol quant.M |
| 33   |                             | Sample      | 1141311     | ethanol quant.M |
| 34   |                             | Sample      | 1141255     | ethanol quant.M |
| 35   |                             | Sample      | 1141255     | ethanol quant.M |
| 36   |                             | Sample      | 1141307     | ethanol quant.M |
| 37   |                             | Sample      | 1141307     | ethanol quant.M |
| 38   |                             | Sample      | 1142000     | ethanol quant.M |
| 39   |                             | Sample      | 1142000     | ethanol quant.M |
| 40   |                             | Sample      | 1142004     | ethanol quant.M |
| 41   |                             | Sample      | 1142004     | ethanol quant.M |
| 42   | 0.20 ACQ 407041529/3        | Control     |             | ethanol quant.M |
| 43   |                             | Sample      | 1137660     | ethanol quant.M |
| 44   |                             | Sample      | 1137660     | ethanol quant.M |
| 45   |                             | Sample      | 1138039     | ethanol quant.M |
| 46   |                             | Sample      | 1138039     | ethanol quant.M |
| 47   |                             | Sample      | 1137642     | ethanol quant.M |

WA

# Sequence Summary

|    |                          |         |         |                 |
|----|--------------------------|---------|---------|-----------------|
| 48 |                          | Sample  | 1137642 | ethanol quant.M |
| 49 |                          | Sample  | 0000001 | ethanol quant.M |
| 50 |                          | Sample  | 0000001 | ethanol quant.M |
| 51 |                          | Sample  | 0000002 | ethanol quant.M |
| 52 |                          | Sample  | 0000002 | ethanol quant.M |
| 53 | 0.080 Lipomed 28082014-B | Control |         | ethanol quant.M |
| 54 |                          | Sample  | 0000003 | ethanol quant.M |
| 55 |                          | Sample  | 0000003 | ethanol quant.M |
| 56 |                          | Sample  | 0000004 | ethanol quant.M |
| 57 |                          | Sample  | 0000004 | ethanol quant.M |
| 58 |                          | Sample  | 1137141 | ethanol quant.M |
| 59 |                          | Sample  | 1137141 | ethanol quant.M |
| 60 |                          | Sample  | 1138128 | ethanol quant.M |
| 61 |                          | Sample  | 1138128 | ethanol quant.M |
| 62 |                          | Sample  | 1138814 | ethanol quant.M |
| 63 |                          | Sample  | 1138814 | ethanol quant.M |
| 64 | 0.150 Lipomed 09022015-C | Control |         | ethanol quant.M |
| 65 |                          | Sample  | 1138366 | ethanol quant.M |
| 66 |                          | Sample  | 1138366 | ethanol quant.M |
| 67 |                          | Sample  | 1138818 | ethanol quant.M |
| 68 |                          | Sample  | 1138818 | ethanol quant.M |
| 69 |                          | Sample  | 1137337 | ethanol quant.M |
| 70 |                          | Sample  | 1137337 | ethanol quant.M |
| 71 |                          | Sample  | 1138890 | ethanol quant.M |
| 72 |                          | Sample  | 1138890 | ethanol quant.M |
| 73 |                          | Sample  | 1137644 | ethanol quant.M |
| 74 |                          | Sample  | 1137644 | ethanol quant.M |
| 75 | 0.20 ACQ 407041529/3     | Control |         | ethanol quant.M |
| 76 |                          | Sample  | 1138676 | ethanol quant.M |
| 77 |                          | Sample  | 1138676 | ethanol quant.M |
| 78 | 0.40 Lipomed 08012015-C  | Control |         | ethanol quant.M |
| 79 | 0.04 Lipomed 09022015-A  | Control |         | ethanol quant.M |
| 80 | 0.20 ACQ 407041529/3     | Control |         | ethanol quant.M |
| 81 | blank 012517             | Control |         | ethanol quant.M |

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 Scottsdale City Prosecutor

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 6Mar17

ANALYST: Adrian

| Vials | Test 1 (g/dL) | Test 2 (g/dL) | Mean (g/dL) | Percent Difference* | Absolute Difference (g/dL)* |
|-------|---------------|---------------|-------------|---------------------|-----------------------------|
| 10 11 | 0.1068        | 0.1058        | 0.10630     | 0.47                | 0.00050                     |
| 12 13 | 0.0315        | 0.0314        | 0.03145     | 0.16                | 0.00005                     |
| 14 15 | 0.0967        | 0.0977        | 0.09720     | 0.51                | 0.00050                     |
| 16 17 | 0.1724        | 0.1729        | 0.17265     | 0.14                | 0.00025                     |
| 18 19 | 0.1718        | 0.1728        | 0.17230     | 0.29                | 0.00050                     |
| 21 22 | 0.3390        | 0.3373        | 0.33815     | 0.25                | 0.00085                     |
| 23 24 | 0.1701        | 0.1699        | 0.17000     | 0.06                | 0.00010                     |
| 25 26 | 0.1980        | 0.1983        | 0.19815     | 0.08                | 0.00015                     |
| 27 28 | 0.3538        | 0.3507        | 0.35225     | 0.44                | 0.00155                     |
| 29 30 | 0.1096        | 0.1093        | 0.10945     | 0.14                | 0.00015                     |
| 32 33 | 0.1673        | 0.1694        | 0.16835     | 0.62                | 0.00105                     |
| 34 35 | 0.3853        | 0.3862        | 0.38575     | 0.12                | 0.00045                     |
| 36 37 | 0.0875        | 0.0874        | 0.08745     | 0.06                | 0.00005                     |
| 38 39 | 0.3988        | 0.4005        | 0.39965     | 0.21                | 0.00085                     |
| 40 41 | 0.2176        | 0.2178        | 0.21770     | 0.05                | 0.00010                     |
| 43 44 | 0.1911        | 0.1920        | 0.19155     | 0.23                | 0.00045                     |
| 45 46 | 0.2838        | 0.2811        | 0.28245     | 0.48                | 0.00135                     |
| 47 48 | 0.0961        | 0.0953        | 0.09570     | 0.42                | 0.00040                     |
| 49 50 | 0.0387        | 0.0387        | 0.03870     | 0.00                | 0.00000                     |
| 51 52 | 0.1273        | 0.1271        | 0.12720     | 0.08                | 0.00010                     |
| 54 55 | 0.2594        | 0.2587        | 0.25905     | 0.14                | 0.00035                     |
| 56 57 | 0.2036        | 0.2036        | 0.20360     | 0.00                | 0.00000                     |
| 58 59 | 0.1809        | 0.1800        | 0.18045     | 0.25                | 0.00045                     |
| 60 61 | 0.2122        | 0.2111        | 0.21165     | 0.26                | 0.00055                     |
| 62 63 | 0.0837        | 0.0834        | 0.08355     | 0.18                | 0.00015                     |
| 65 66 | 0.1521        | 0.1535        | 0.15280     | 0.46                | 0.00070                     |
| 67 68 | 0.1005        | 0.1004        | 0.10045     | 0.05                | 0.00005                     |
| 69 70 | 0.0731        | 0.0726        | 0.07285     | 0.34                | 0.00025                     |
| 71 72 | 0.0681        | 0.0682        | 0.06815     | 0.07                | 0.00005                     |
| 73 74 | 0.0914        | 0.0926        | 0.09200     | 0.65                | 0.00060                     |
| 76 77 | 0.1117        | 0.1112        | 0.11145     | 0.22                | 0.00025                     |

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



## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                      |
|--|----------------------|
| Sample: [REDACTED]                       | Item number: 1142072 |
| Injection date: 3/6/2017 4:19:02 PM      | Vial: 10             |
| Method: ethanol quant.M                  | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045        | Analyst: Adrian      |
| Data file: C:\Chem32\1\1Data\6Mar17\10.D |                      |

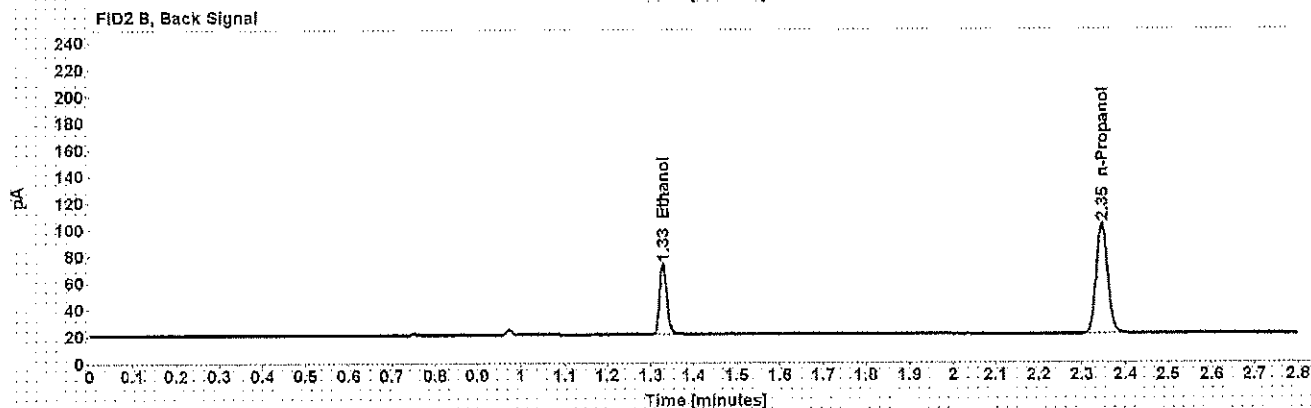
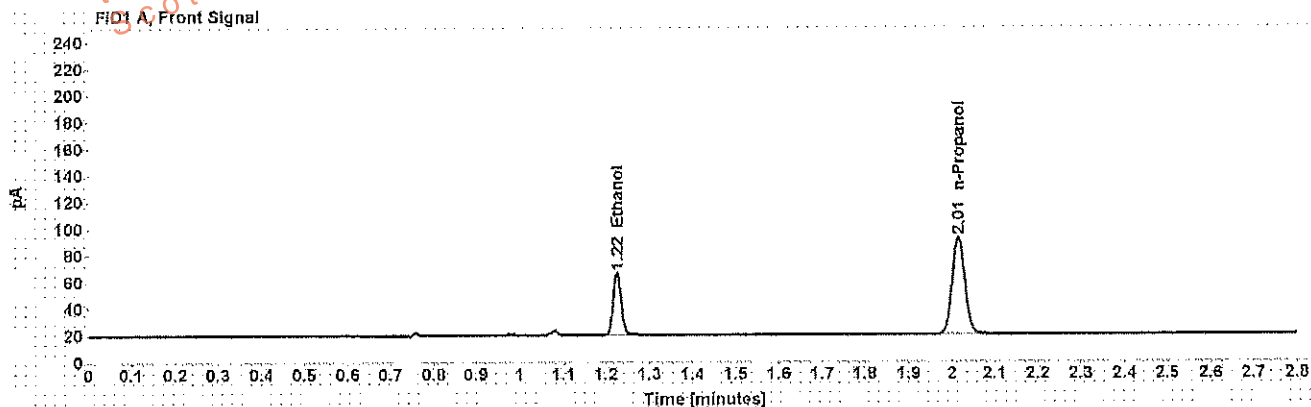


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1068           | 1.225      | 59.618    |
| n-Propanol | -----            | 2.015      | 148.462   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 61.325    |
| n-Propanol | 2.348      | 153.300   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1142072 |
| Injection date: 3/6/2017 4:23:03 PM     | Vial: 11             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem3211\Data\6Mar17\11.D |                      |

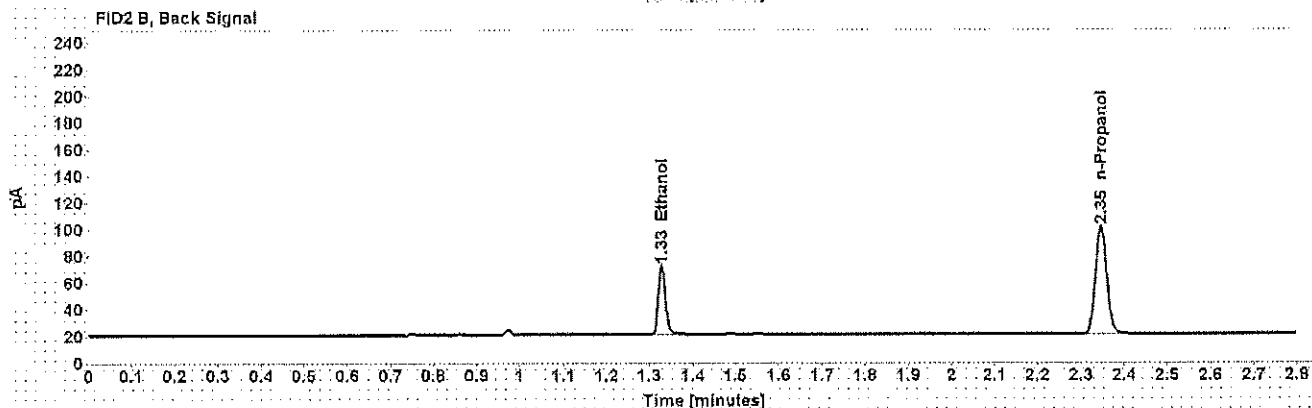
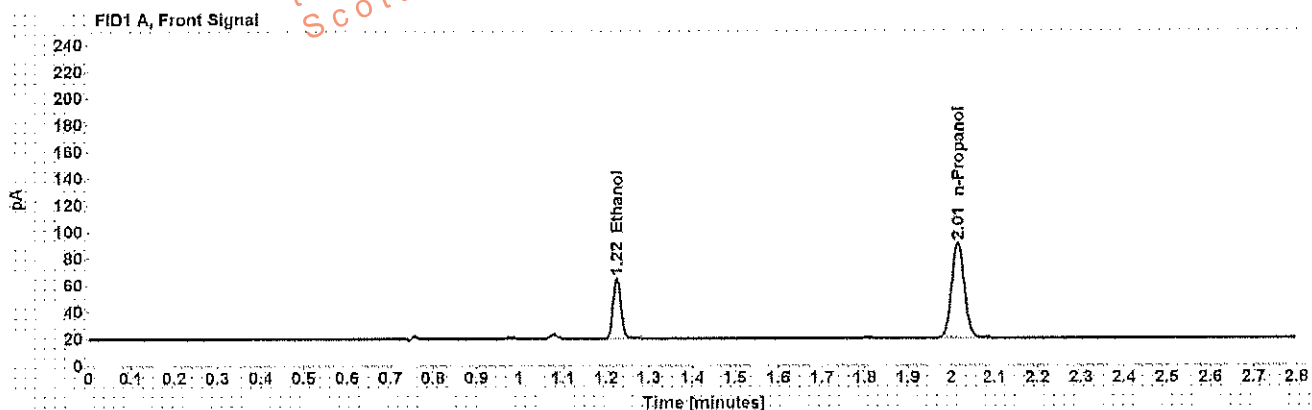


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1058           | 1.225      | 57.967    |
| n-Propanol | -----            | 2.015      | 145.700   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 59.875    |
| n-Propanol | 2.346      | 150.617   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                               |              |         |
|-----------------|-------------------------------|--------------|---------|
| Sample:         | [REDACTED]                    | Item number: | 1123118 |
| Injection date: | 3/6/2017 4:27:03 PM           | Vial:        | 12      |
| Method:         | ethanol quant.M               | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045         | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\1\Data\6Mar17\112.D |              |         |

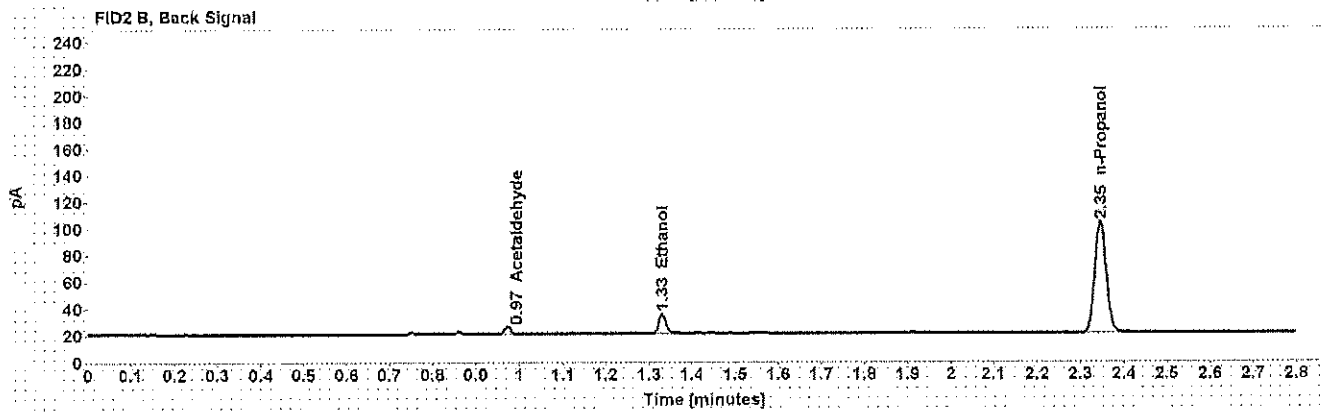
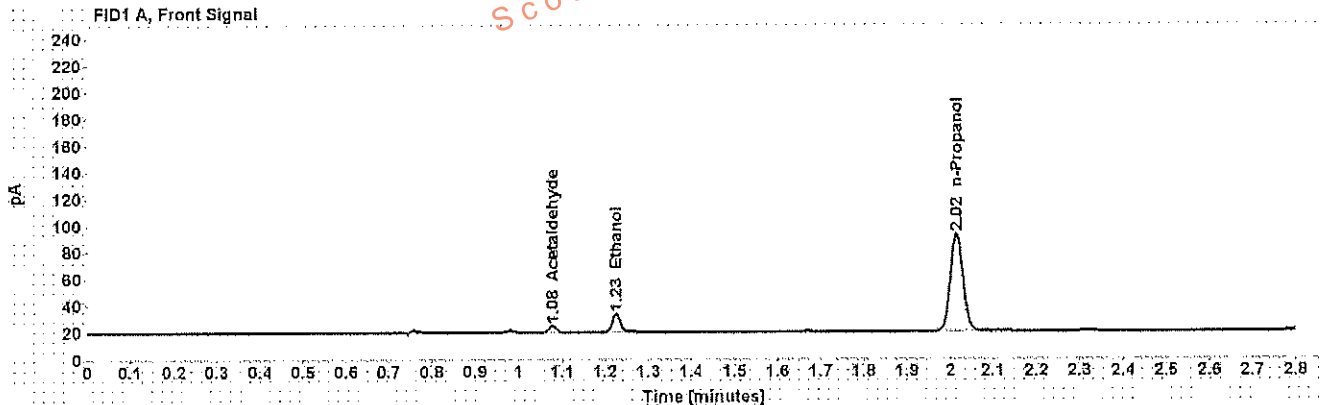


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.909     |
| >Ethanol     | 0.0315           | 1.226      | 16.971    |
| n-Propanol   | -----            | 2.015      | 149.029   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.245     |
| Ethanol      | 1.330      | 17.685    |
| n-Propanol   | 2.346      | 154.513   |

Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1123118 |
| Injection date: | 3/6/2017 4:31:18 PM          | Vial:        | 13      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\11Data\6Mar17\13.D |              |         |

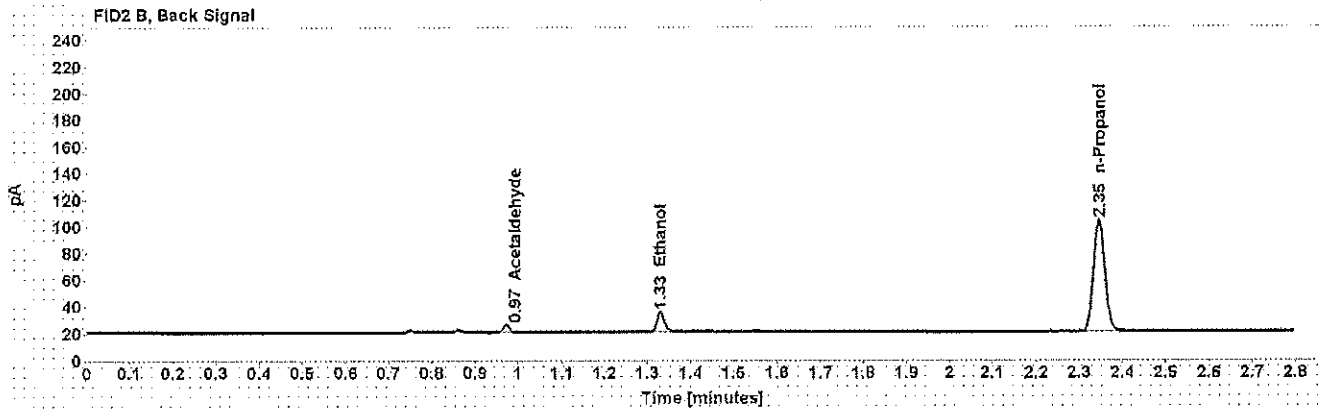
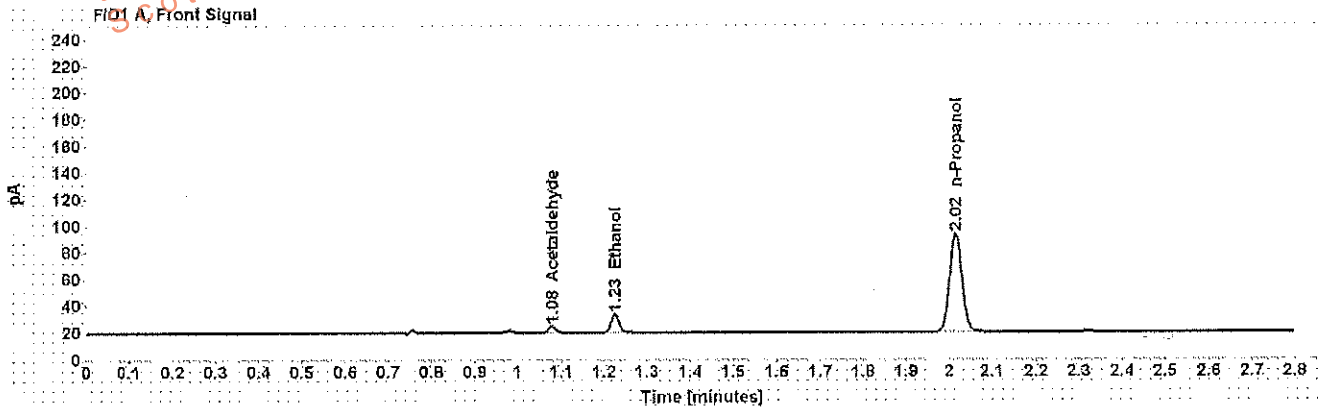


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.982     |
| >Ethanol     | 0.0314           | 1.226      | 16.993    |
| n-Propanol   | -----            | 2.015      | 149.905   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.320     |
| Ethanol      | 1.330      | 18.024    |
| n-Propanol   | 2.346      | 155.175   |

**Scottsdale Police Department Crime Lab Volatiles Analysis**

|                 |                               |              |         |
|-----------------|-------------------------------|--------------|---------|
| Sample:         | [REDACTED]                    | Item number: | 1117094 |
| Injection date: | 3/6/2017 4:35:18 PM           | Vial:        | 14      |
| Method:         | ethanol quant.M               | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045         | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\11\Data\6Mar17\14.D |              |         |

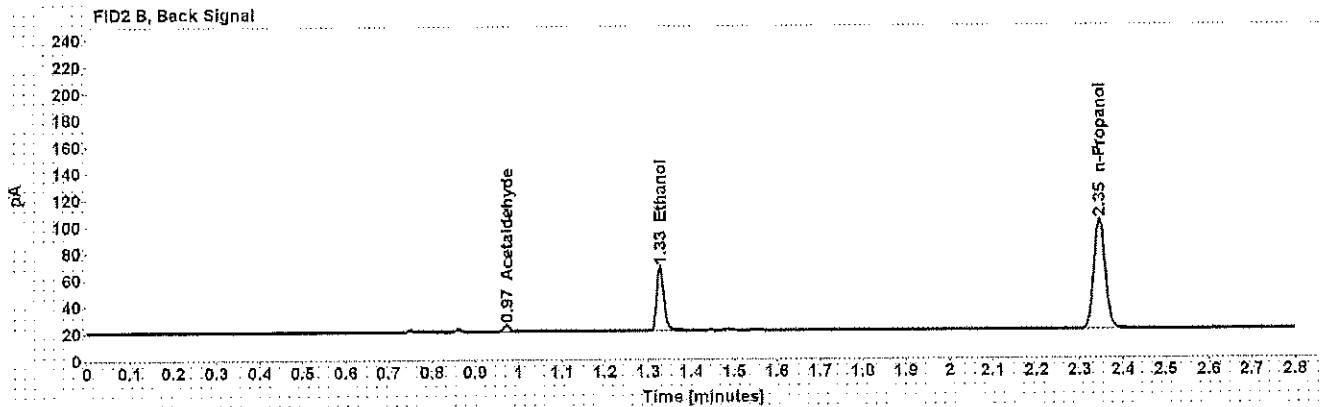
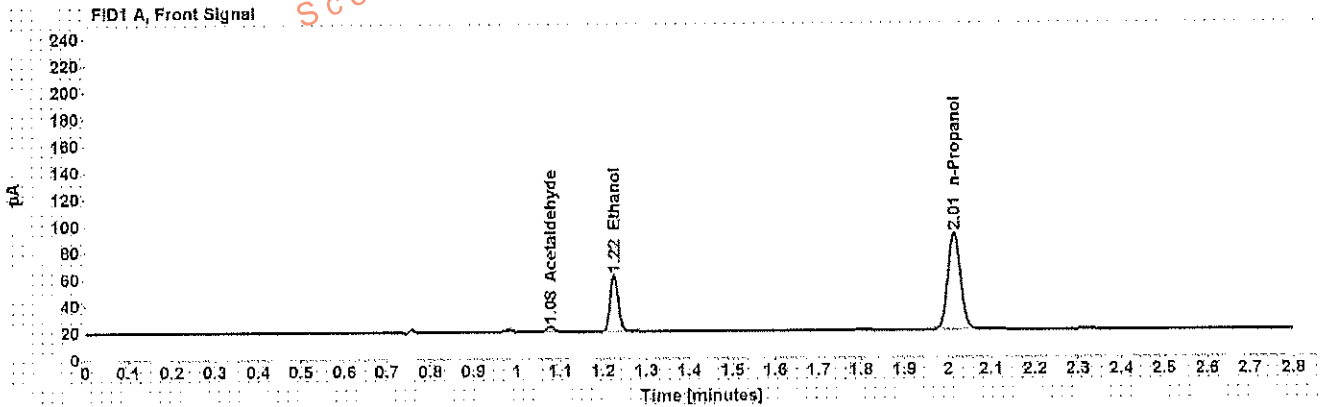


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.242     |
| >Ethanol     | 0.0967           | 1.225      | 53.625    |
| n-Propanol   | -----            | 2.015      | 147.698   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.514     |
| Ethanol      | 1.328      | 55.225    |
| n-Propanol   | 2.346      | 152.911   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1117094 |
| Injection date: | 3/6/2017 4:39:18 PM          | Vial:        | 15      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\1\Data\6Mar17\15.D |              |         |

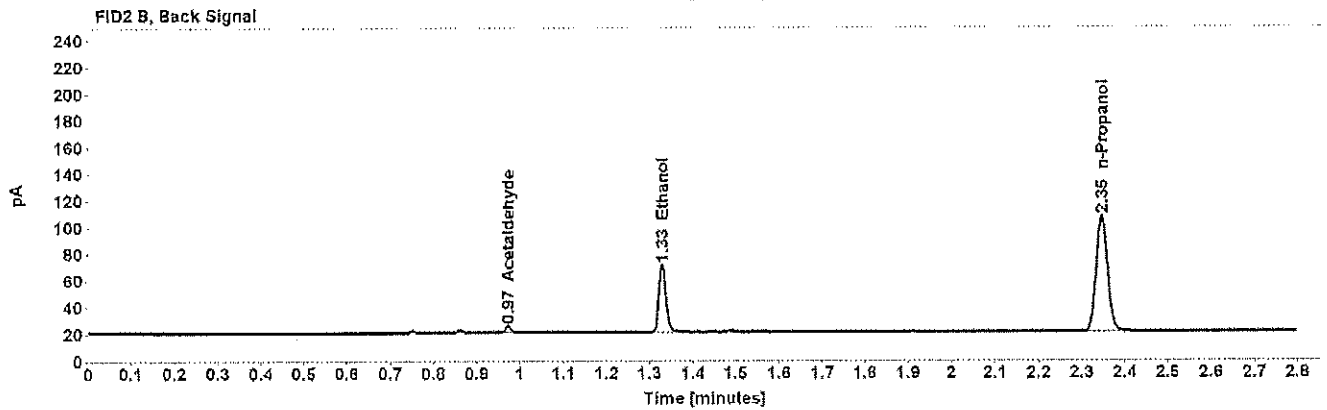
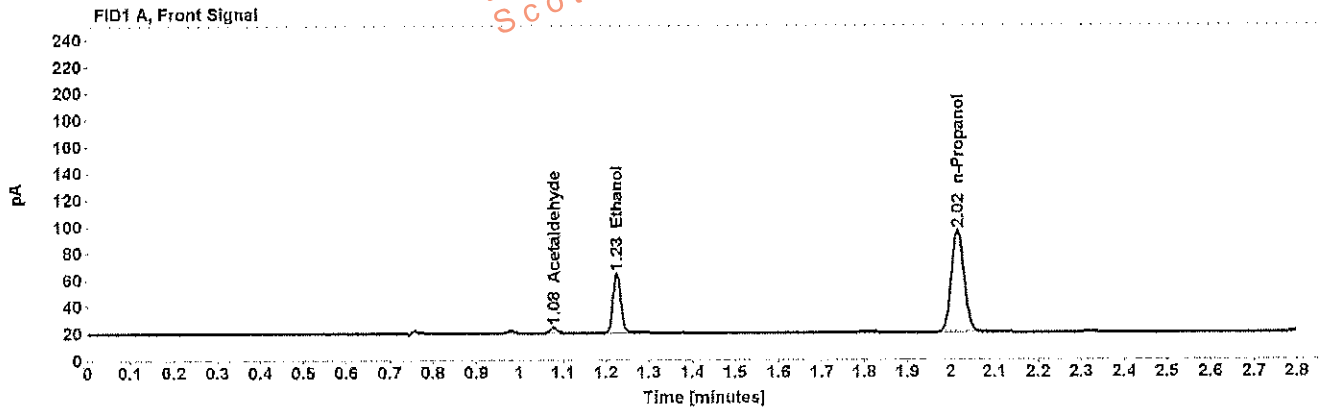


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.353     |
| >Ethanol     | 0.0977           | 1.225      | 56.976    |
| n-Propanol   | -----            | 2.015      | 155.291   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.629     |
| Ethanol      | 1.329      | 58.750    |
| n-Propanol   | 2.346      | 160.589   |

**Scottsdale Police Department Crime Lab Volatiles Analysis**

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 285-01A |
| Injection date: | 3/6/2017 4:43:17 PM          | Vial:        | 16      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\1\Data\6Mar17\16.D |              |         |

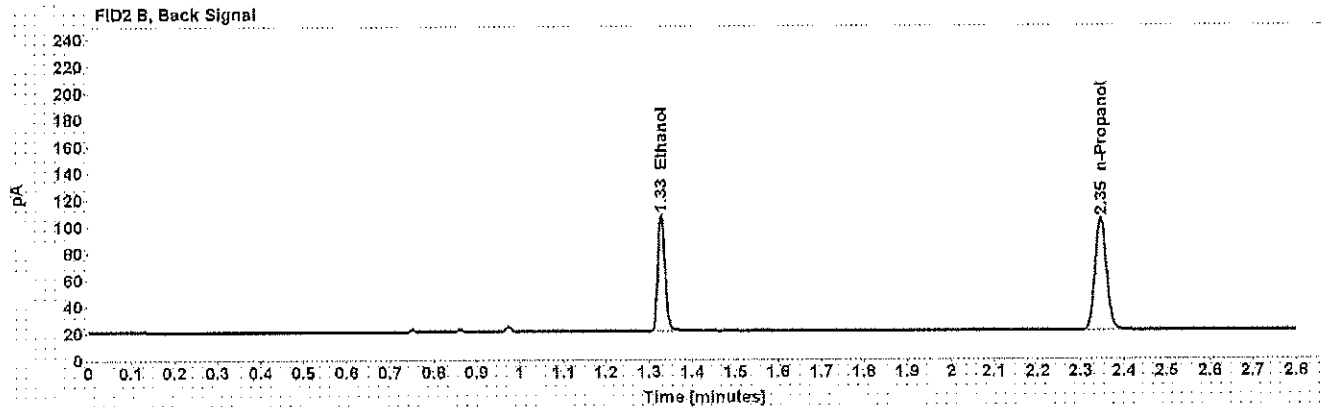
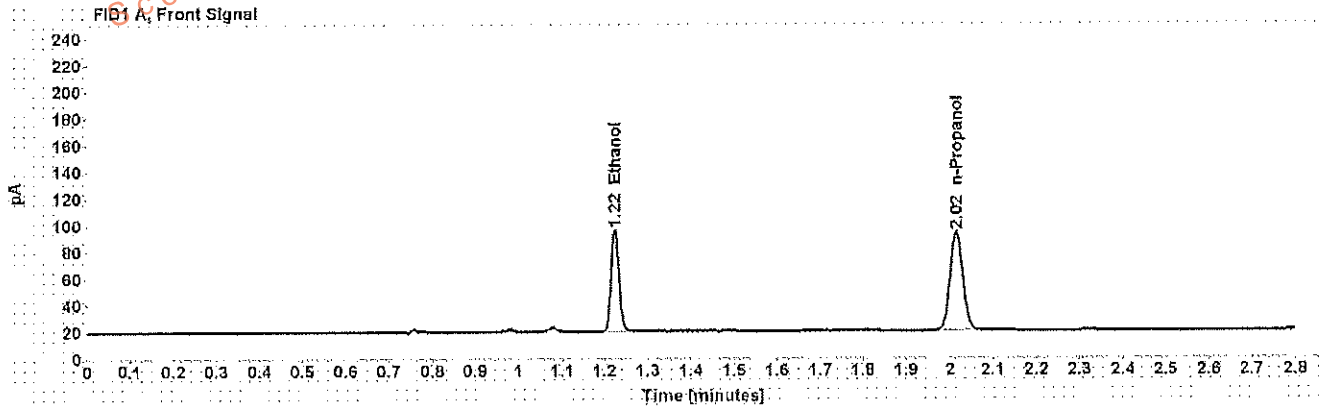


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1724           | 1.225      | 97.902    |
| n-Propanol | -----            | 2.015      | 150.109   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 101.216   |
| n-Propanol | 2.346      | 155.336   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 285-01A |
| <b>Injection date:</b> 3/6/2017 4:47:18 PM     | <b>Vial:</b> 17             |
| <b>Method:</b> ethanol quant M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\17.D |                             |

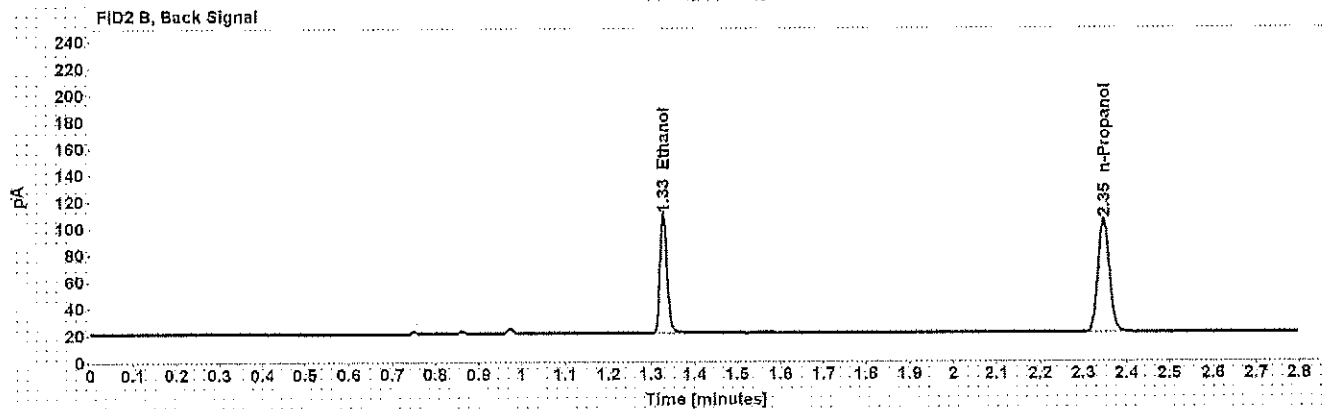
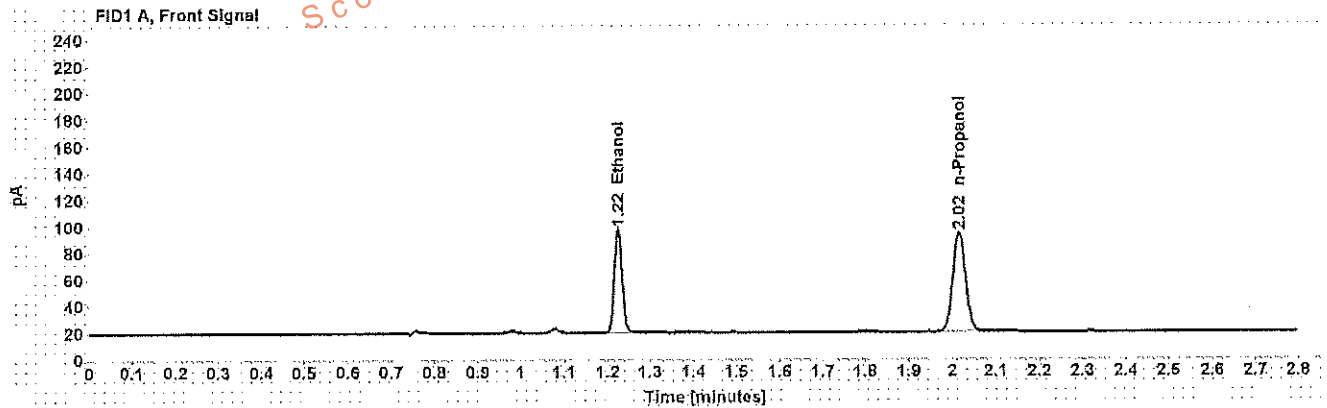


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1729           | 1.225      | 99.334    |
| n-Propanol | -----            | 2.015      | 151.880   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 102.729   |
| n-Propanol | 2.346      | 156.888   |



**Scottsdale Police Department Crime Lab Volatiles Analysis**

**Sample:** [REDACTED] **Item number:** 1046919  
**Injection date:** 3/6/2017 4:51:18 PM **Vial:** 18  
**Method:** ethanol quant.M **Sequence:** 6Mar17  
**Instrument:** US14173023 CN14160045 **Analyst:** Adrian  
**Data file:** C:\Chem32\1\Data\6Mar17\18.D

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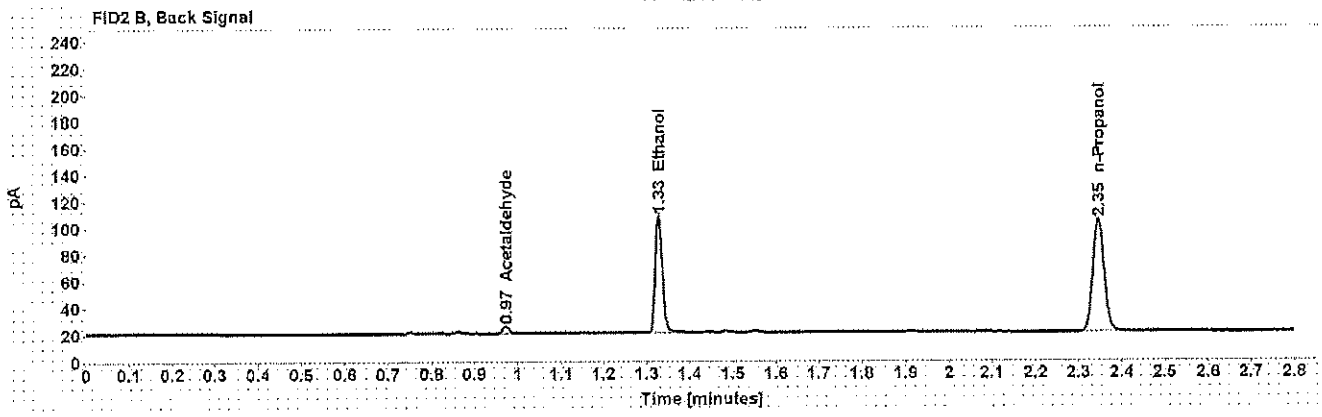
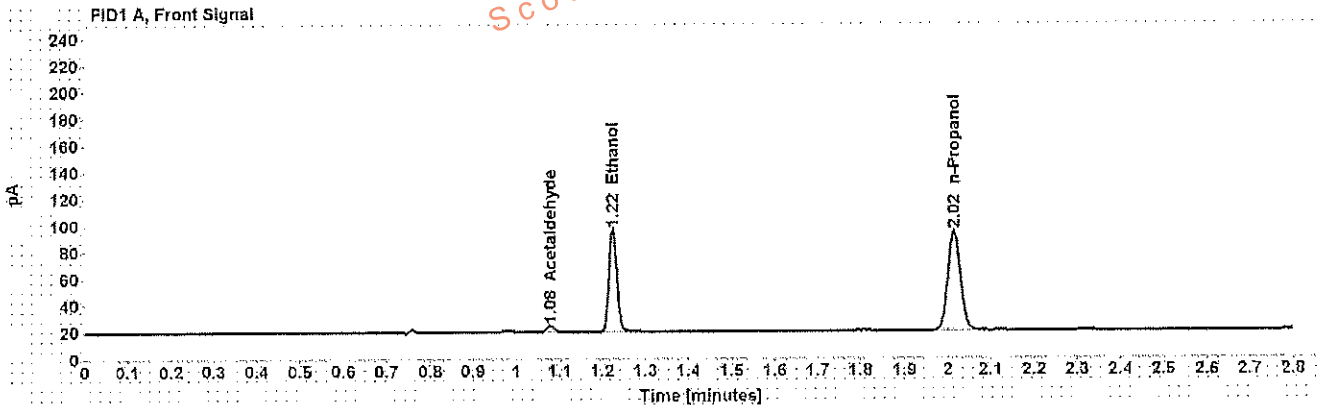


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.740     |
| >Ethanol     | 0.1718           | 1.225      | 98.293    |
| n-Propanol   | -----            | 2.015      | 151.249   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.007     |
| Ethanol      | 1.328      | 101.756   |
| n-Propanol   | 2.346      | 156.703   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1046919 |
| Injection date: 3/6/2017 4:55:33 PM     | Vial: 19             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14179023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem32\1\Data\6Mar17\19.D |                      |

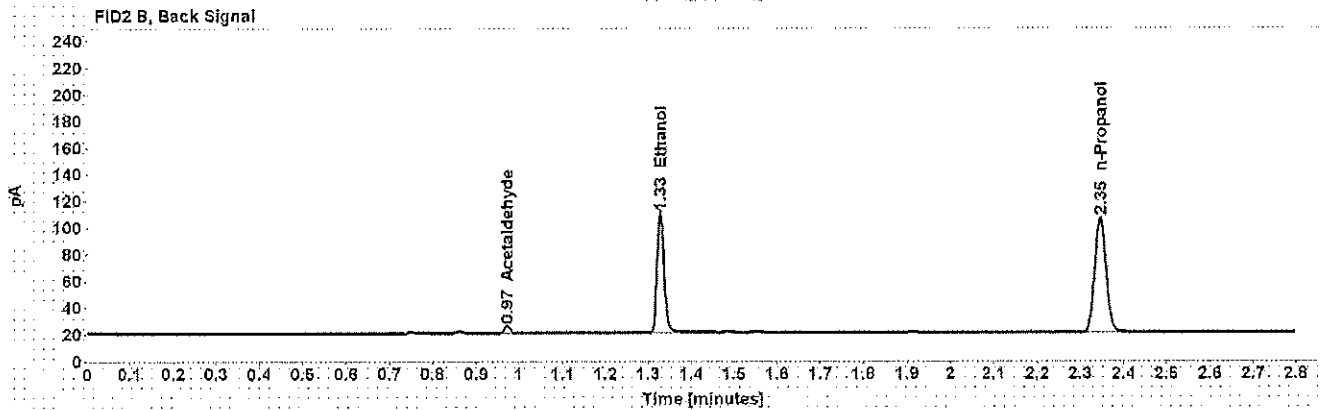
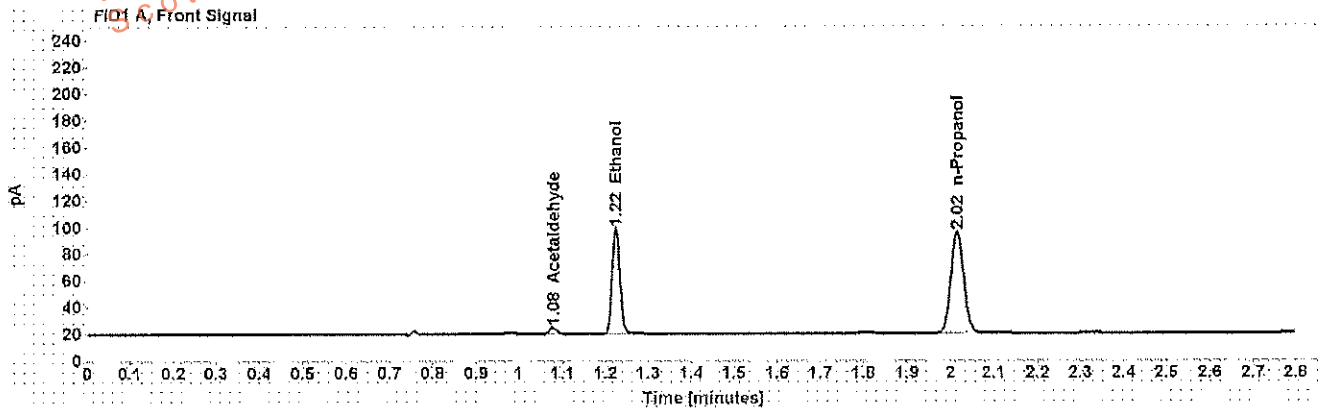


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.723     |
| >Ethanol     | 0.1728           | 1.225      | 100.800   |
| n-Propanol   | -----            | 2.015      | 154.206   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.071     |
| Ethanol      | 1.328      | 104.266   |
| n-Propanol   | 2.346      | 159.970   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1137797 |
| Injection date: 3/6/2017 5:03:33 PM     | Vial: 21             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem3211\Data\6Mar17\21.D |                      |

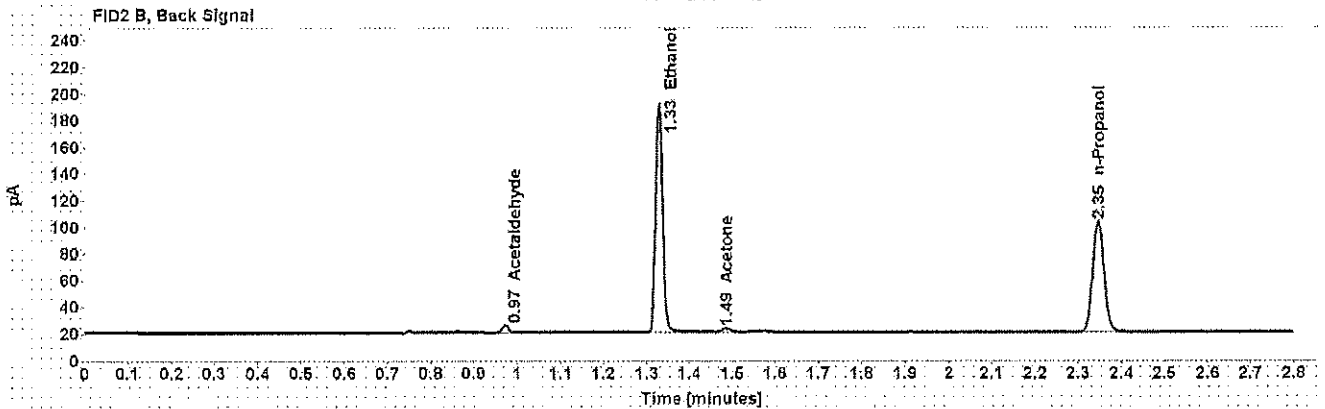
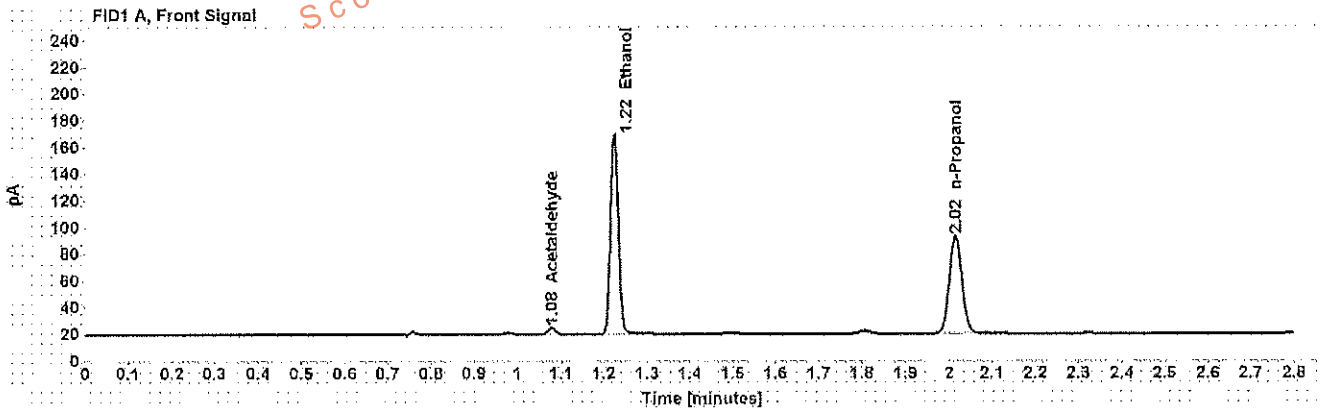


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.936     |
| >Ethanol     | 0.3390           | 1.224      | 191.467   |
| n-Propanol   | -----            | 2.015      | 148.562   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.259     |
| Ethanol      | 1.328      | 199.129   |
| Acetone      | 1.486      | 4.097     |
| n-Propanol   | 2.346      | 153.522   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                       | <b>Item number:</b> 1137797 |
| <b>Injection date:</b> 3/6/2017 5:07:33 PM      | <b>Vial:</b> 22             |
| <b>Method:</b> ethanol quant.M                  | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045        | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\11\Data\6Mar17\02.D |                             |

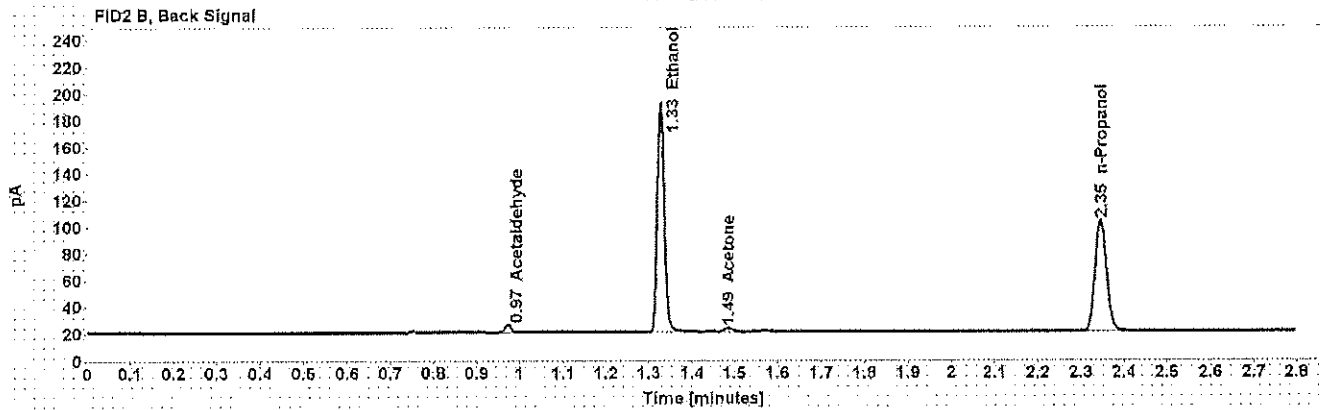
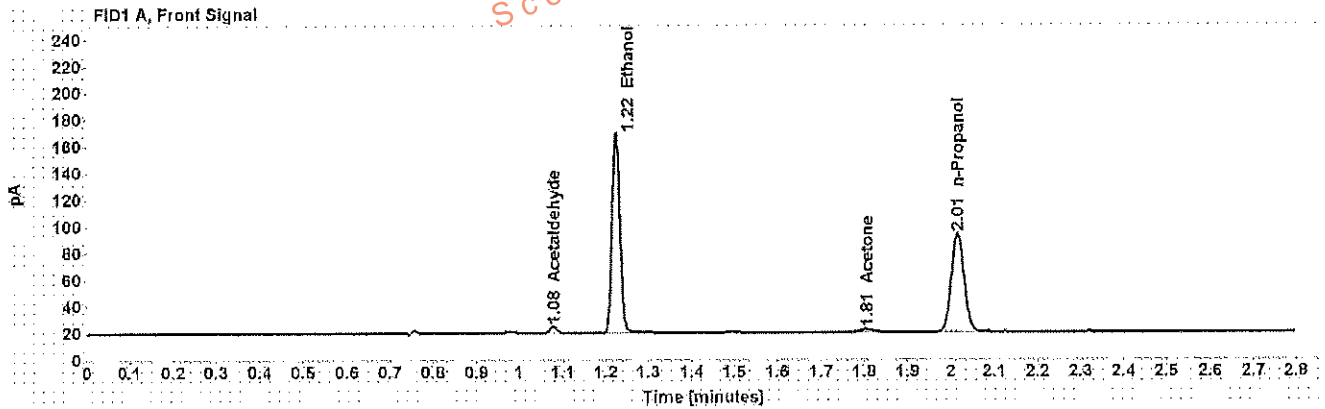


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.963     |
| >Ethanol     | 0.3373           | 1.224      | 191.540   |
| Acetone      | -----            | 1.806      | 3.836     |
| n-Propanol   | -----            | 2.015      | 149.371   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.255     |
| Ethanol      | 1.327      | 199.249   |
| Acetone      | 1.486      | 4.103     |
| n-Propanol   | 2.346      | 154.416   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                        | Item number: 1107037 |
| Injection date: 3/6/2017 5:11:33 PM       | Vial: 23             |
| Method: ethanol quant.M                   | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045         | Analyst: Adrian      |
| Data file: C:\Chem32\1\0\data\6Mar17\23.D |                      |

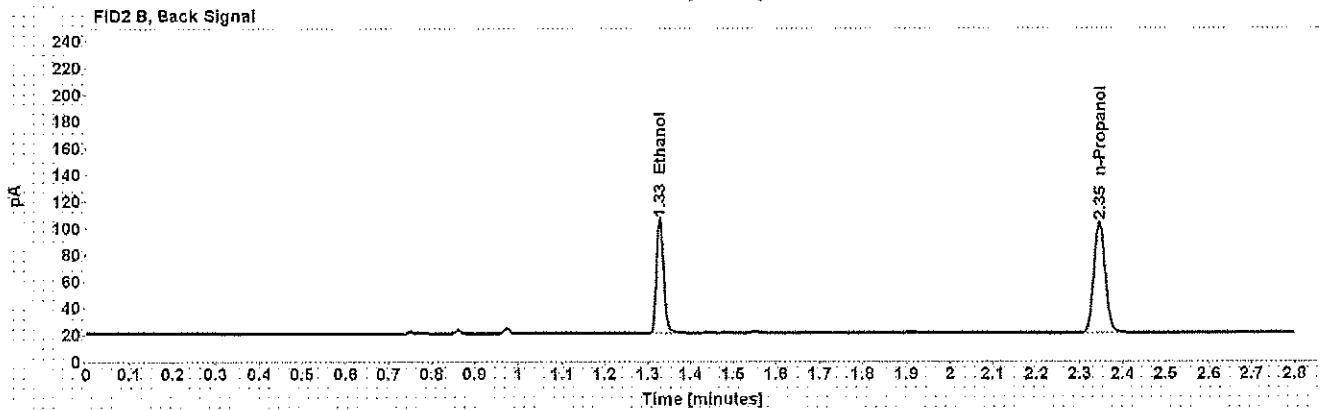
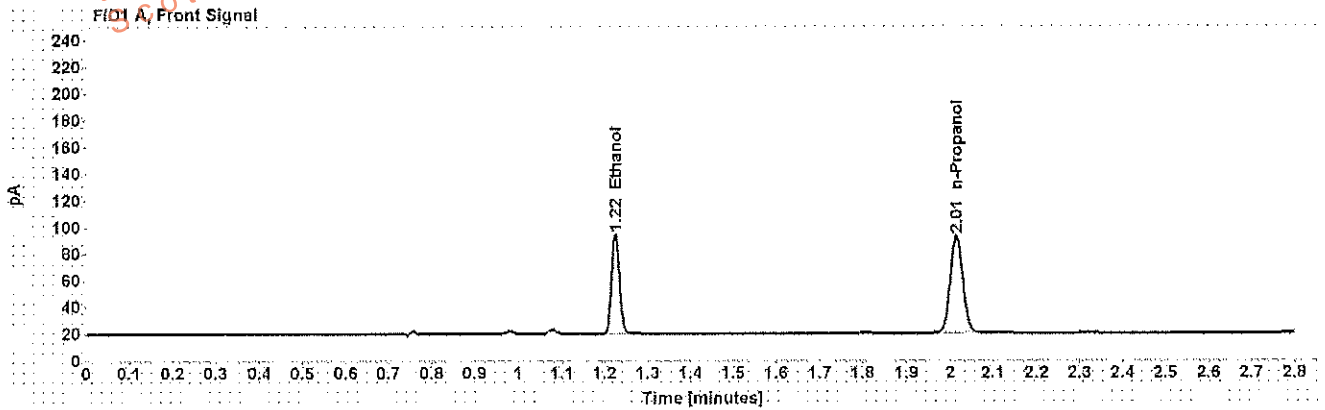


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1701           | 1.225      | 95.828    |
| n-Propanol | -----            | 2.015      | 148.940   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 99.211    |
| n-Propanol | 2.348      | 154.089   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1107037 |
| Injection date: 3/6/2017 5:15:33 PM     | Vial: 24             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem3211\Data\6Mar17\24.D |                      |

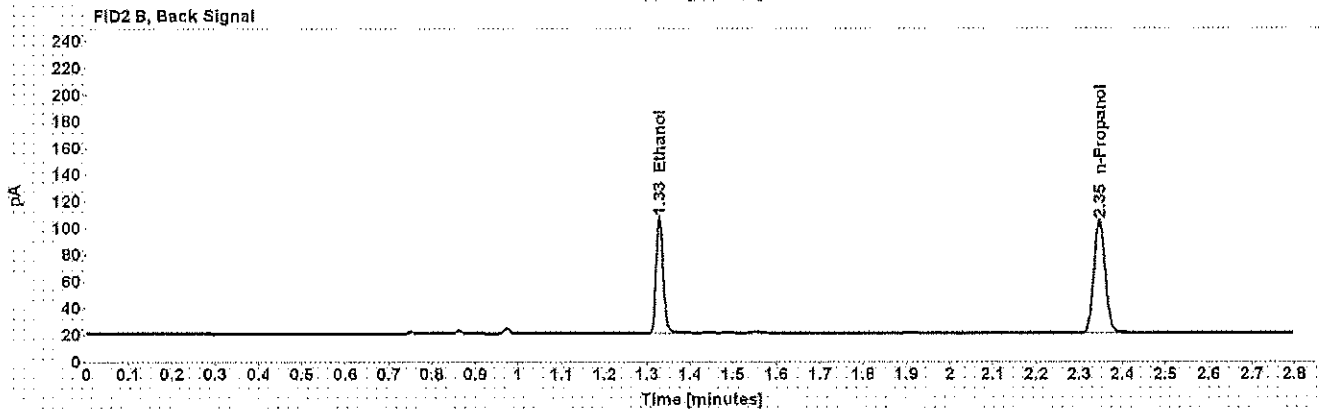
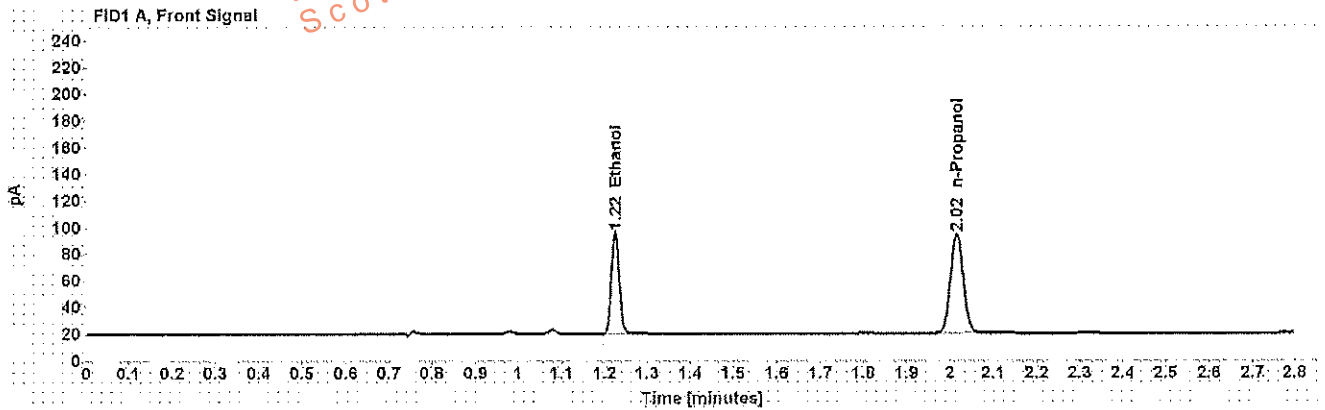


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1699           | 1.225      | 97.262    |
| n-Propanol | -----            | 2.015      | 151.380   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 100.757   |
| n-Propanol | 2.346      | 156.921   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1106027 |
| <b>Injection date:</b> 3/6/2017 5:19:48 PM     | <b>Vial:</b> 25             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\25.D |                             |

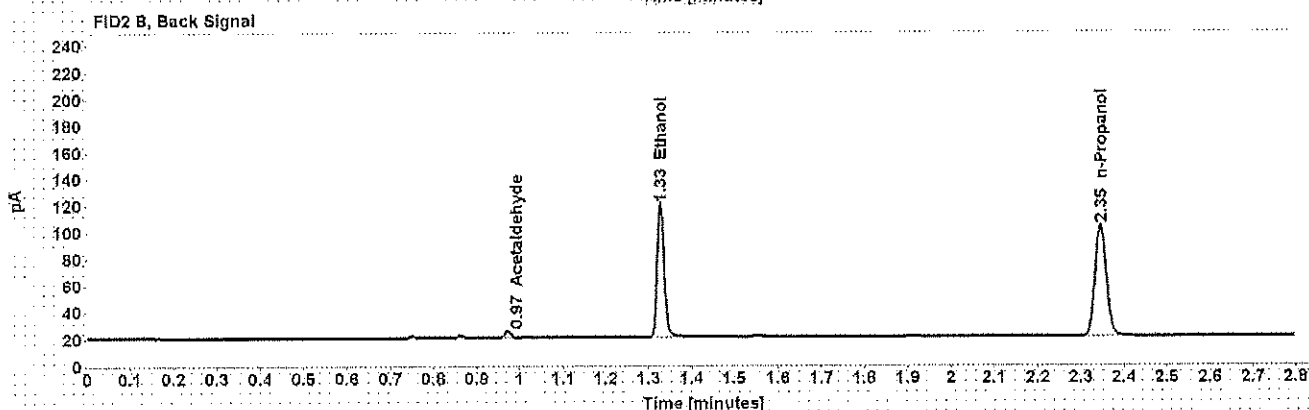
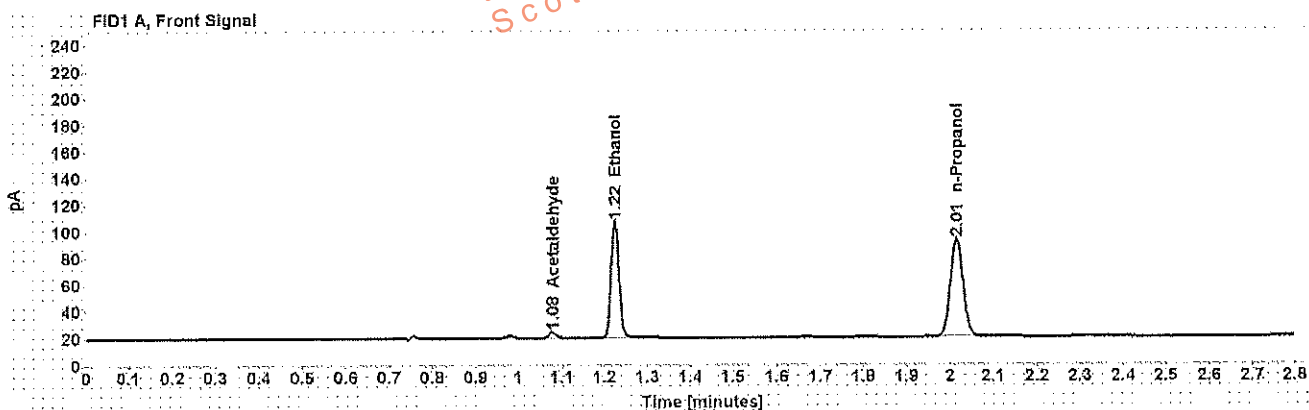


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.502     |
| >Ethanol     | 0.1980           | 1.224      | 111.600   |
| n-Propanol   | -----            | 2.015      | 148.780   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.835     |
| Ethanol      | 1.328      | 115.520   |
| n-Propanol   | 2.346      | 154.140   |

**Scottsdale Police Department Crime Lab Volatiles Analysis**

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1106027 |
| Injection date: | 3/6/2017 5:23:48 PM          | Vial:        | 26      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\1\Data\6Mar17\26.D |              |         |

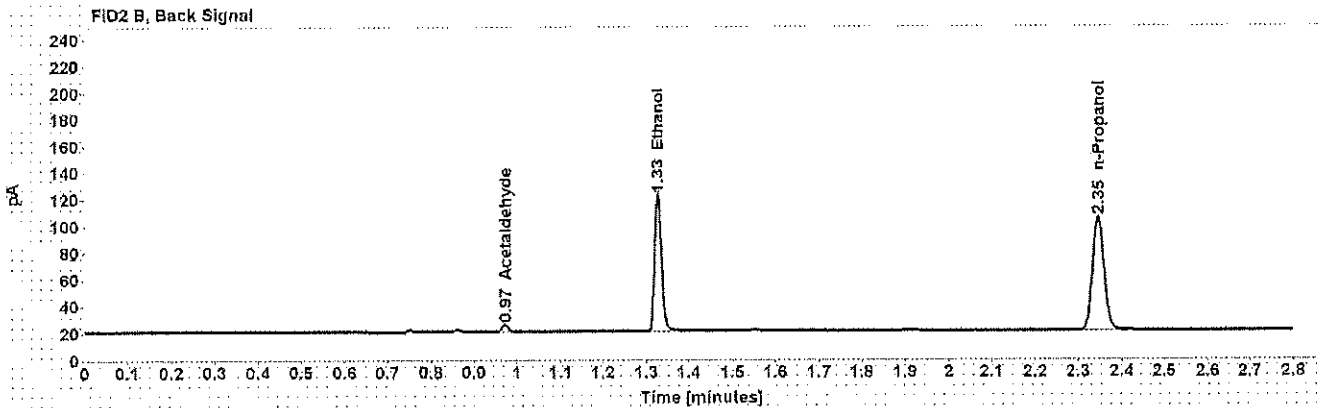
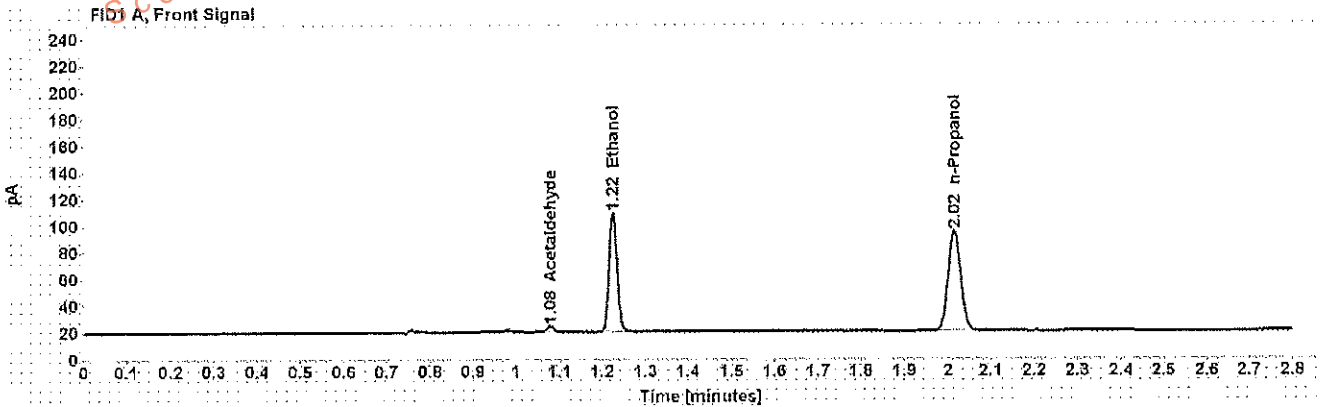


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.582     |
| >Ethanol     | 0.1983           | 1.225      | 114.337   |
| n-Propanol   | -----            | 2.015      | 152.246   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.887     |
| Ethanol      | 1.326      | 118.370   |
| n-Propanol   | 2.346      | 157.722   |



**Scottsdale Police Department Crime Lab Volatiles Analysis**

Sample: [REDACTED] Item number: 1140343  
 Injection date: 3/6/2017 5:27:48 PM Vial: 27  
 Method: ethanol quant.M Sequence: 6Mar17  
 Instrument: US14173023 CN14160045 Analyst: Adrian  
 Data file: C:\Chem3211\Data\6Mar17\27.D

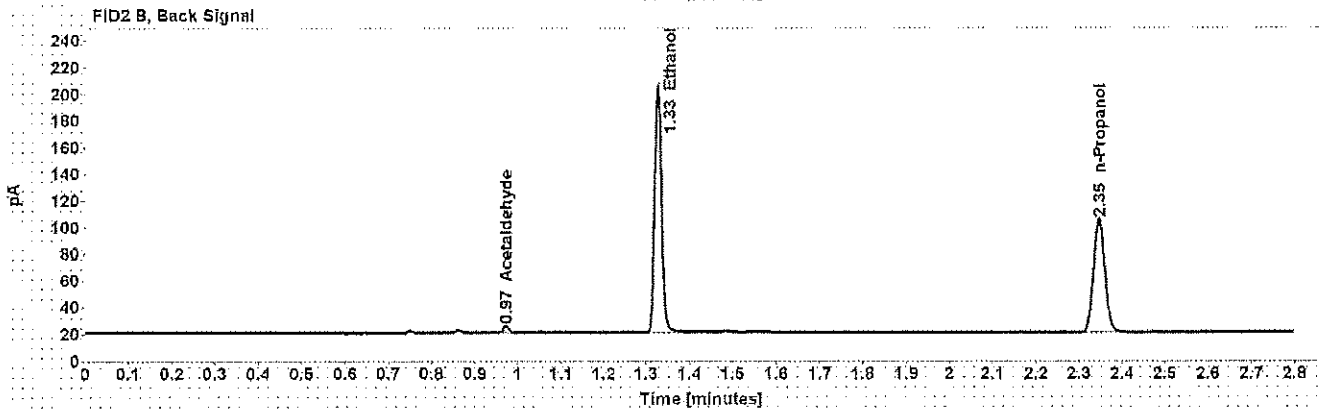
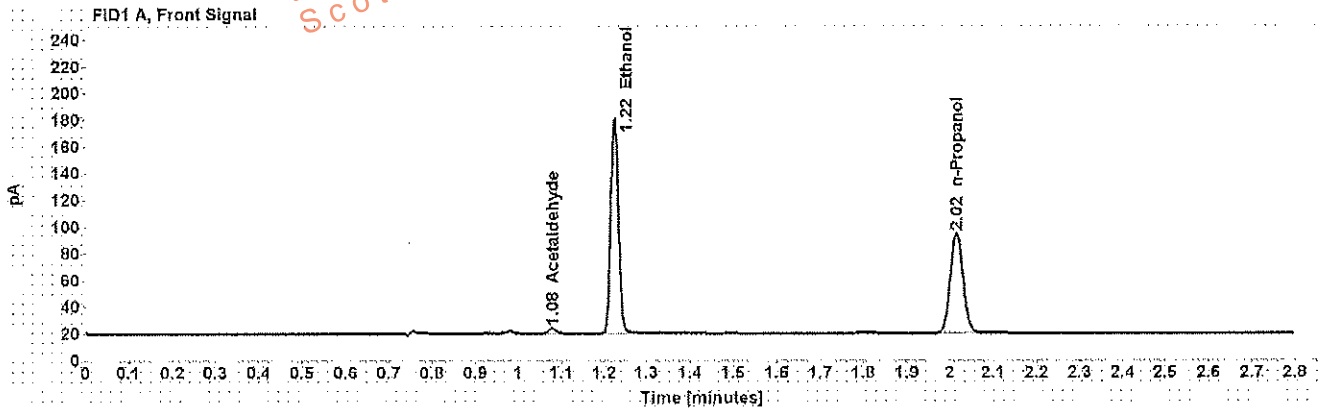


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.266     |
| >Ethanol     | 0.3538           | 1.224      | 205.156   |
| n-Propanol   | -----            | 2.015      | 152.505   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.564     |
| Ethanol      | 1.328      | 213.823   |
| n-Propanol   | 2.346      | 157.715   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1140343 |
| Injection date: 3/6/2017 5:31:48 PM     | Vial: 28             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem32\1\Data\6Mar17\28.D |                      |

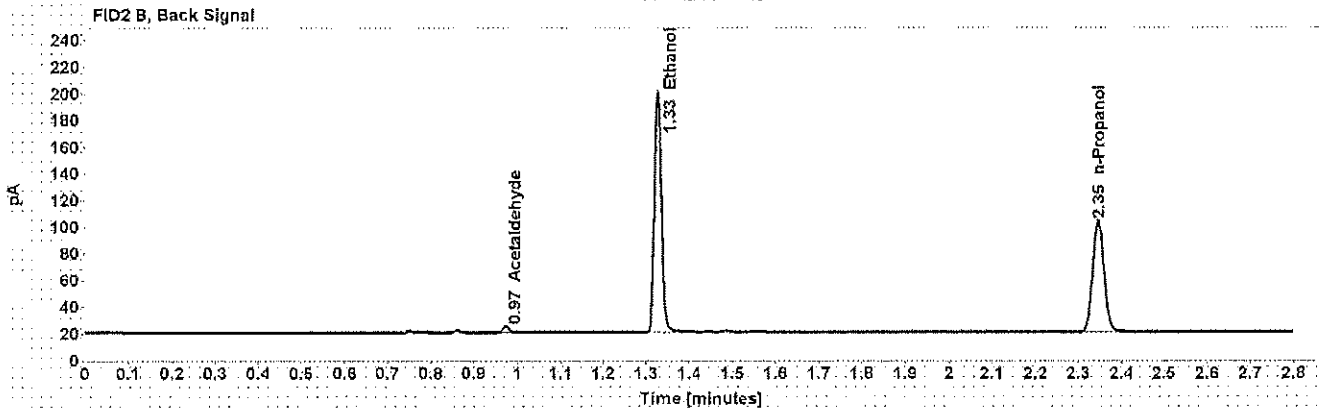
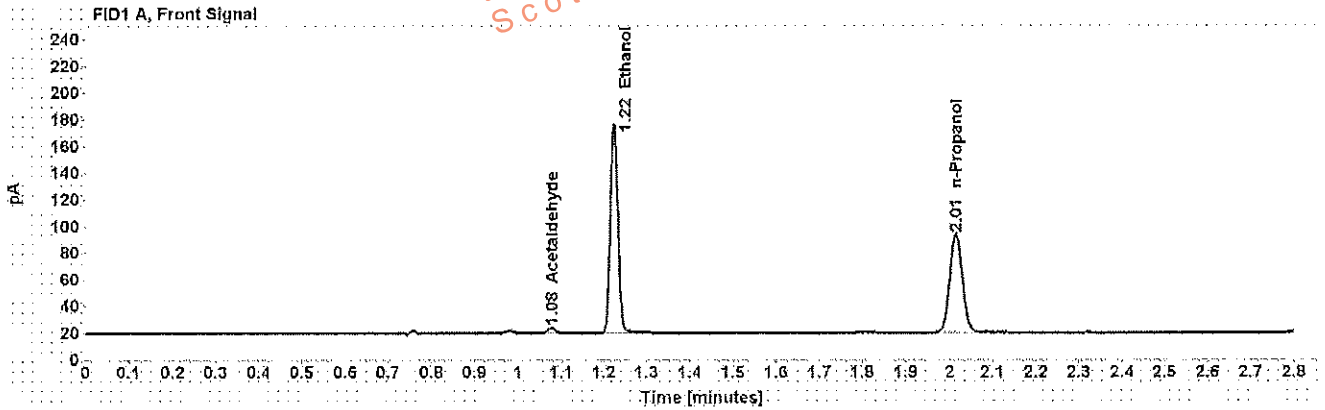


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.195     |
| >Ethanol     | 0.3507           | 1.224      | 200.395   |
| n-Propanol   | -----            | 2.015      | 150.255   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.453     |
| Ethanol      | 1.327      | 207.550   |
| n-Propanol   | 2.346      | 155.183   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1105006 |
| <b>Injection date:</b> 3/6/2017 5:35:48 PM     | <b>Vial:</b> 29             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\29.D |                             |

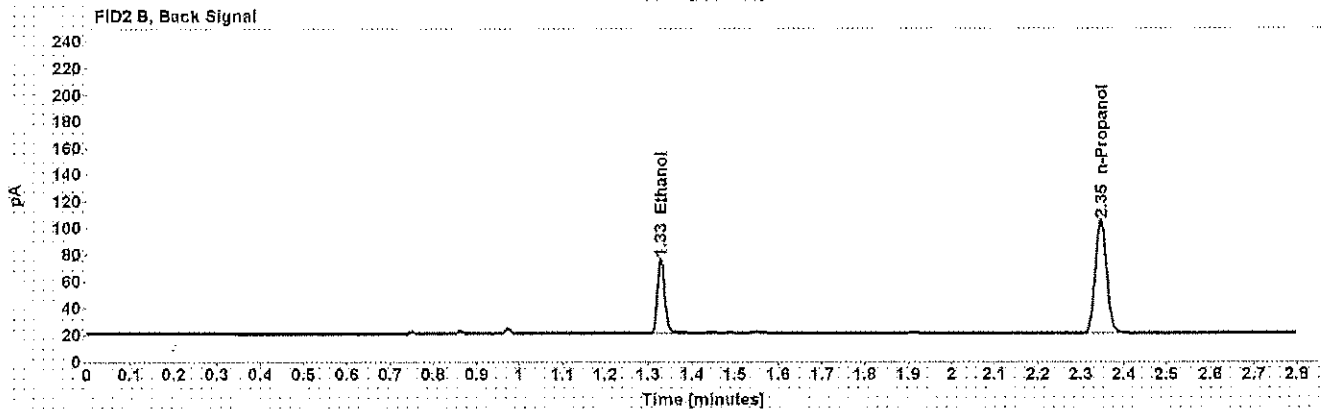
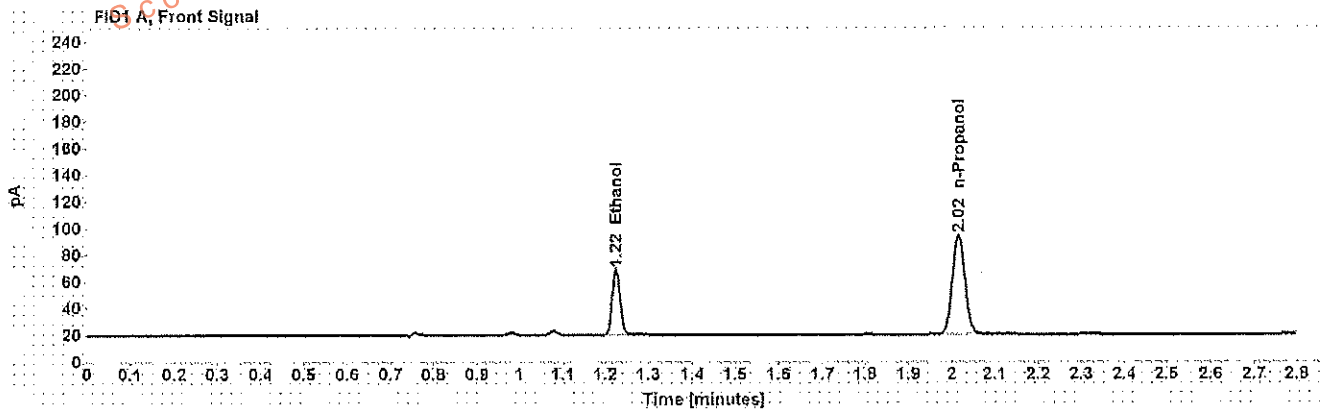


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1096           | 1.225      | 62.493    |
| n-Propanol | -----            | 2.015      | 151.640   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 64.537    |
| n-Propanol | 2.346      | 156.914   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1105006 |
| <b>Injection date:</b> 3/6/2017 5:39:48 PM     | <b>Vial:</b> 30             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\30.D |                             |

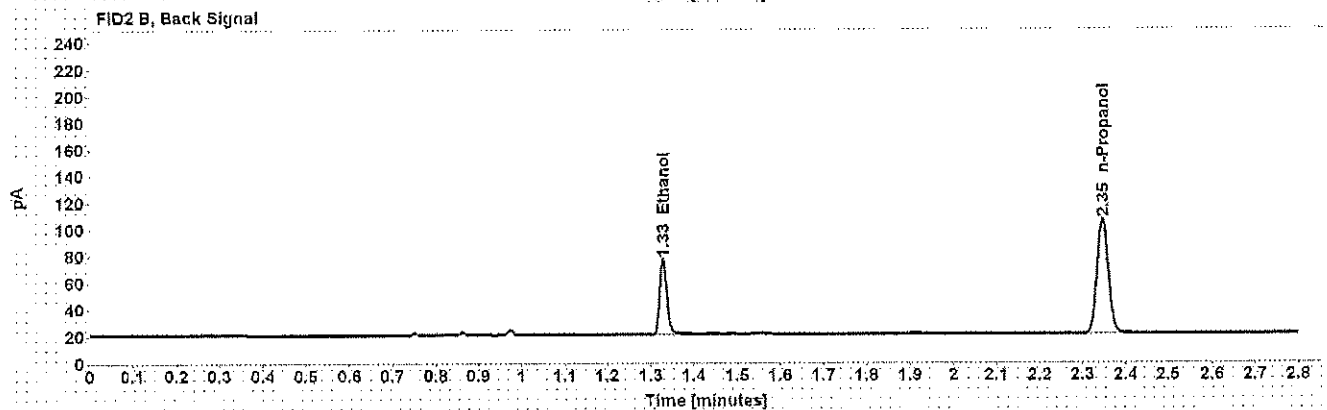
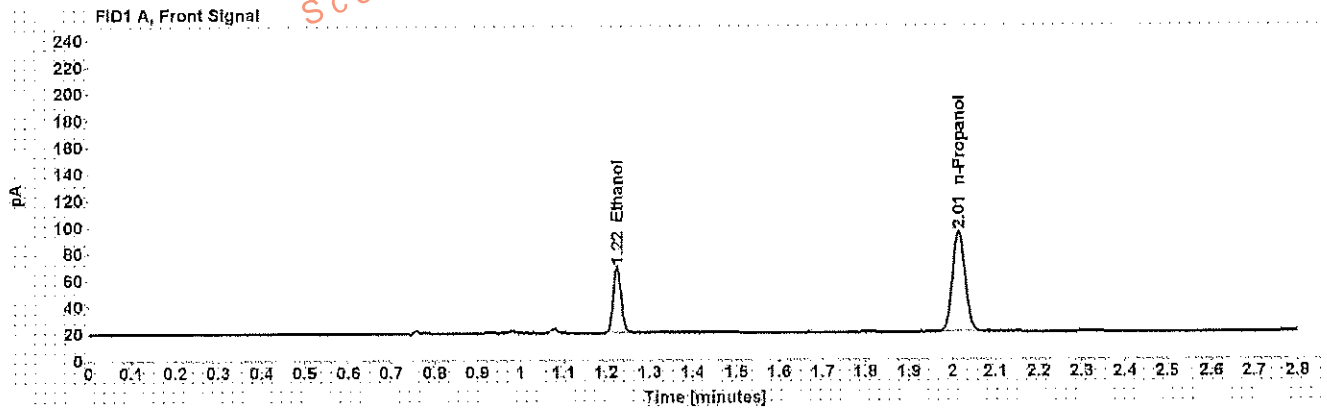


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1093           | 1.225      | 63.044    |
| n-Propanol | -----            | 2.015      | 153.301   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.329      | 65.019    |
| n-Propanol | 2.346      | 158.470   |

**Scottsdale Police Department Crime Lab Volatiles Analysis**

**Sample:** [REDACTED] **Item number:** 1141311  
**Injection date:** 3/6/2017 5:48:03 PM **Vial:** 32  
**Method:** ethanol quant.M **Sequence:** 6Mar17  
**Instrument:** US14173023 CN14160045 **Analyst:** Adrian  
**Data file:** C:\Chem32\1\Data\6Mar17\32.D

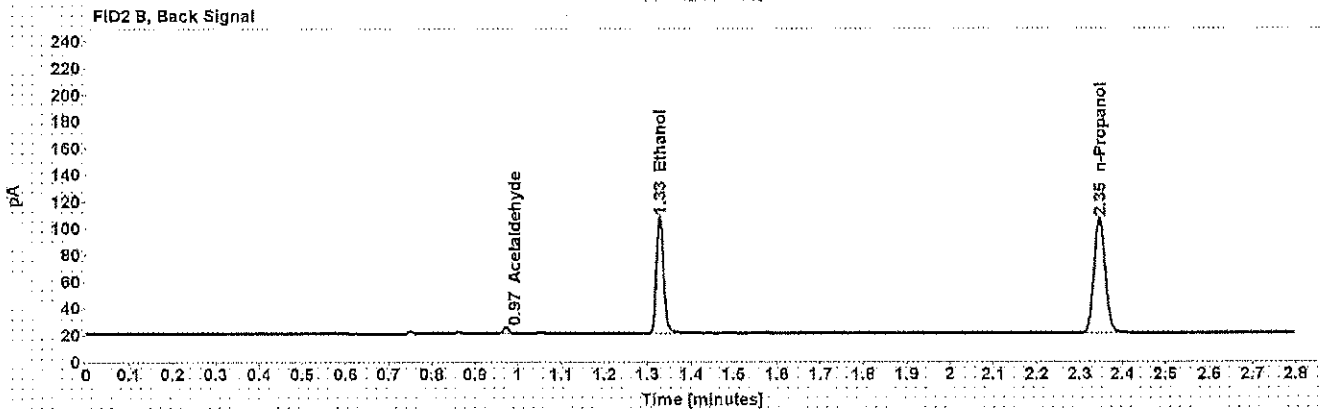
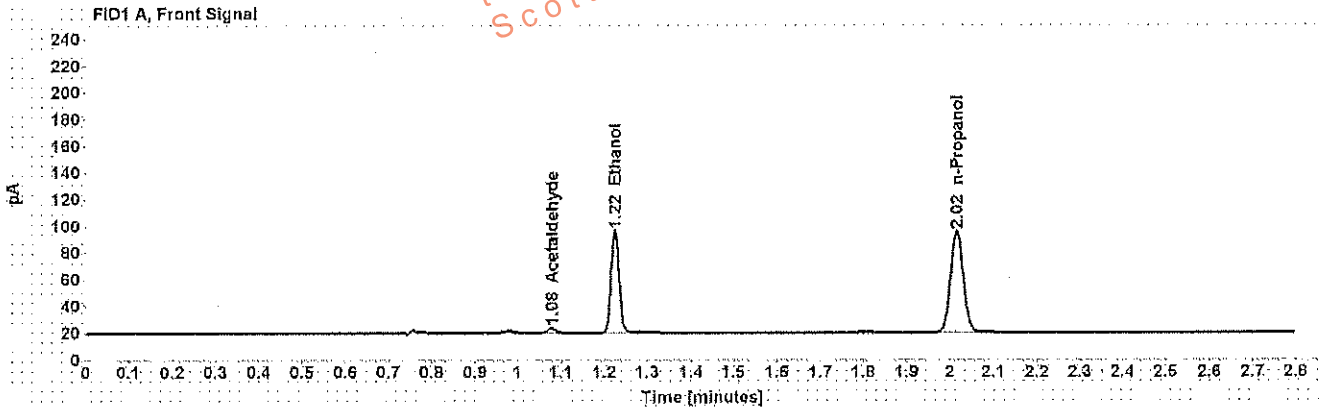


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 3.908     |
| >Ethanol     | 0.1673           | 1.225      | 97.756    |
| n-Propanol   | -----            | 2.015      | 154.465   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.173     |
| Ethanol      | 1.328      | 101.191   |
| n-Propanol   | 2.346      | 159.486   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1141311 |
| Injection date: 3/6/2017 5:52:03 PM     | Vial: 33             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem32\1\Data\6Mar17\33.D |                      |

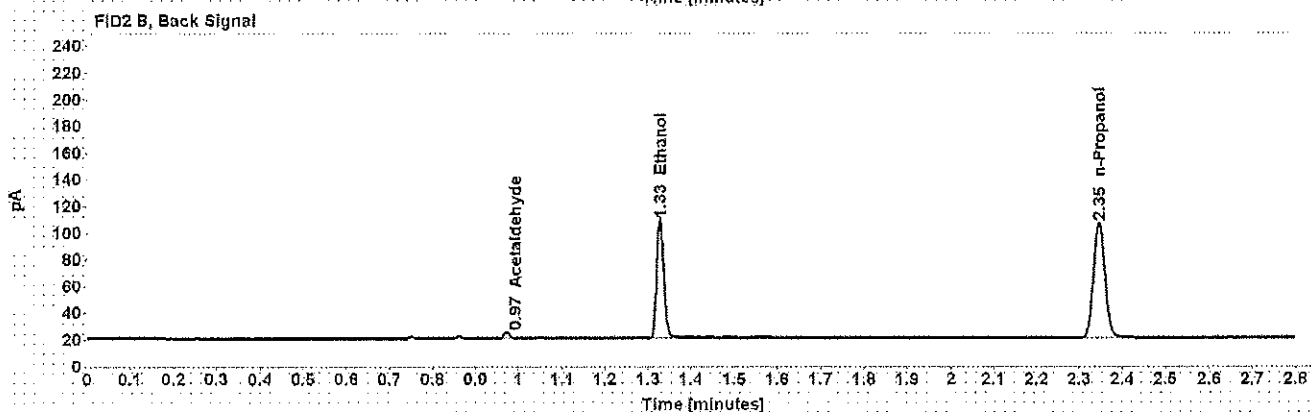
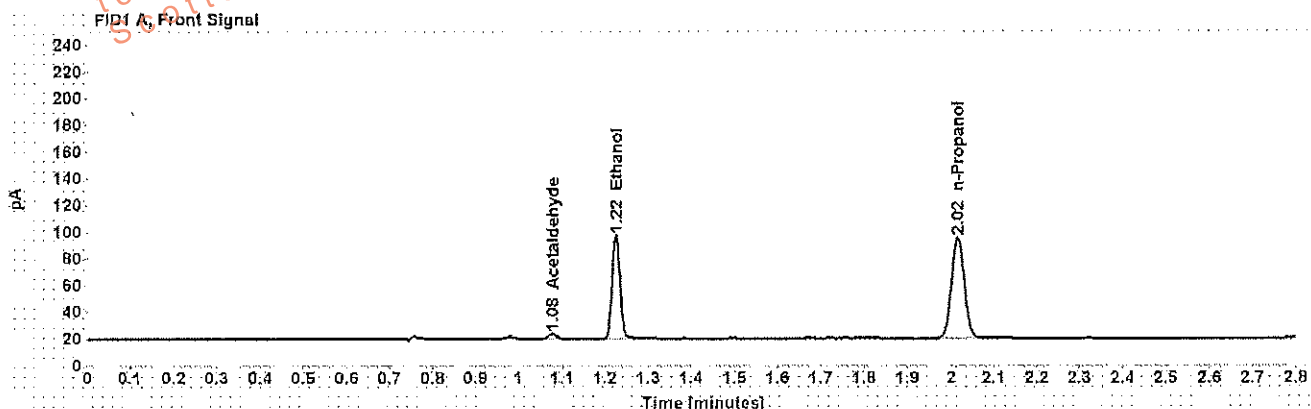


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 3.974     |
| >Ethanol     | 0.1694           | 1.225      | 99.119    |
| n-Propanol   | -----            | 2.015      | 154.708   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.214     |
| Ethanol      | 1.328      | 102.156   |
| n-Propanol   | 2.346      | 159.712   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1141255 |
| <b>Injection date:</b> 3/6/2017 5:56:03 PM     | <b>Vial:</b> 34             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\34.D |                             |

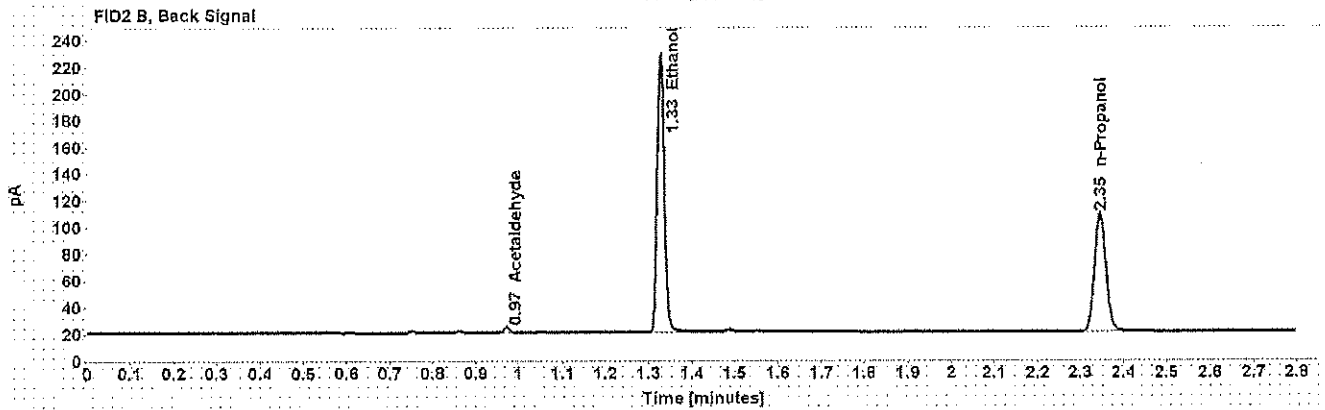
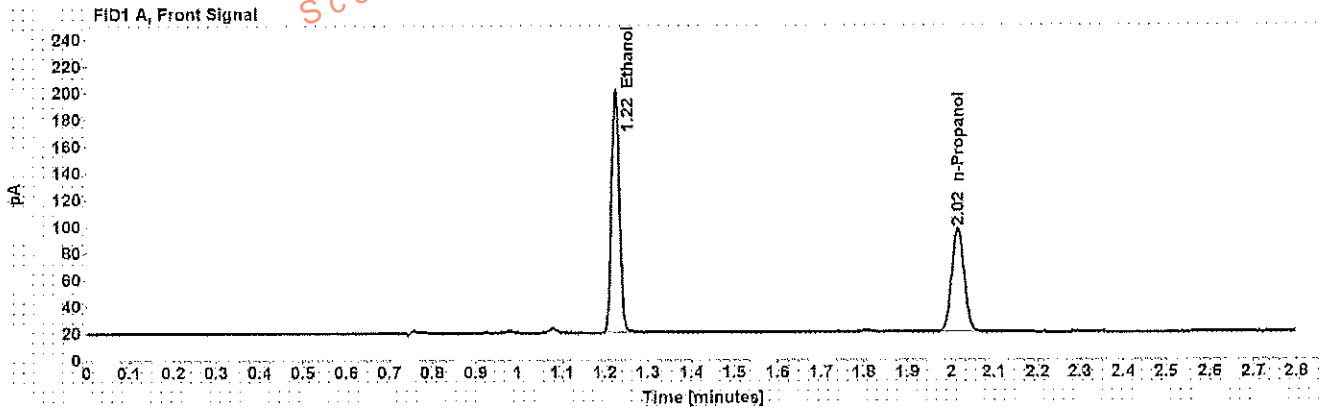


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.3853           | 1.224      | 231.292   |
| n-Propanol | -----            | 2.015      | 157.814   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 3.884     |
| Ethanol      | 1.328      | 240.671   |
| n-Propanol   | 2.346      | 163.242   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1141255 |
| <b>Injection date:</b> 3/6/2017 6:00:03 PM     | <b>Vial:</b> 35             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\35.D |                             |

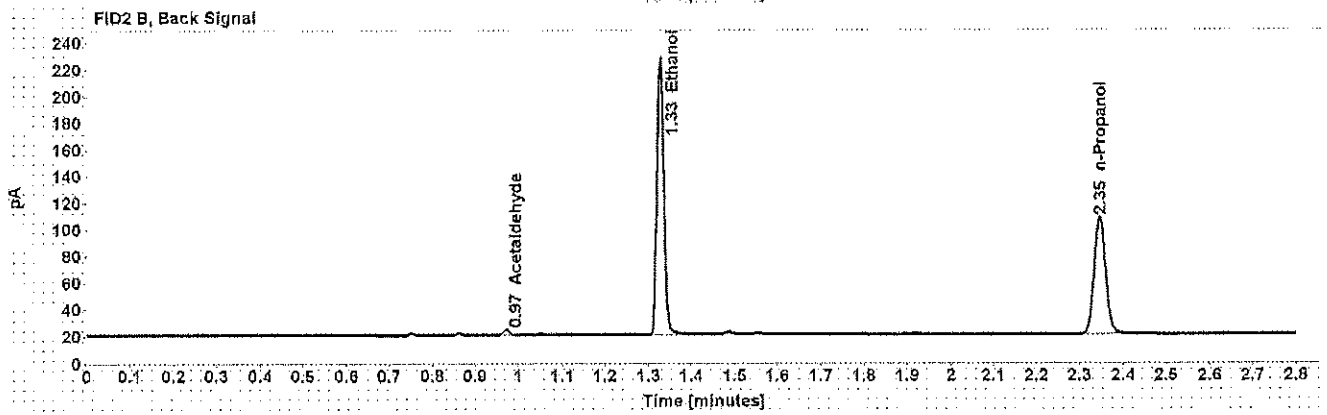
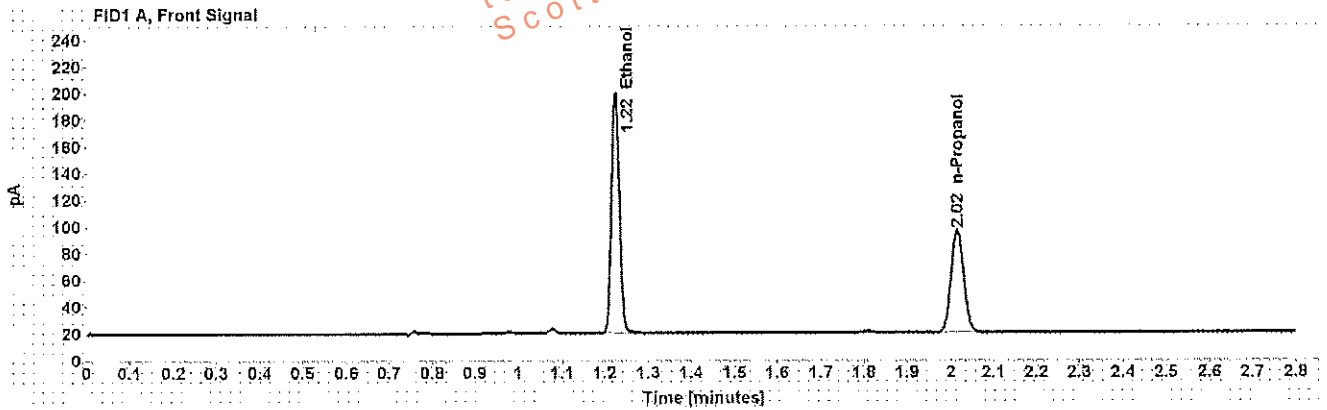


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.3862           | 1.224      | 229.667   |
| n-Propanol | -----            | 2.015      | 156.317   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 3.827     |
| Ethanol      | 1.328      | 238.807   |
| n-Propanol   | 2.346      | 161.609   |



## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                      |
|--|----------------------|
| Sample: [REDACTED]                       | Item number: 1141307 |
| Injection date: 3/6/2017 6:04:03 PM      | Vial: 36             |
| Method: ethanol quant.M                  | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045        | Analyst: Adrian      |
| Data file: C:\Chem32\11\Data\6Mar17\36.D |                      |

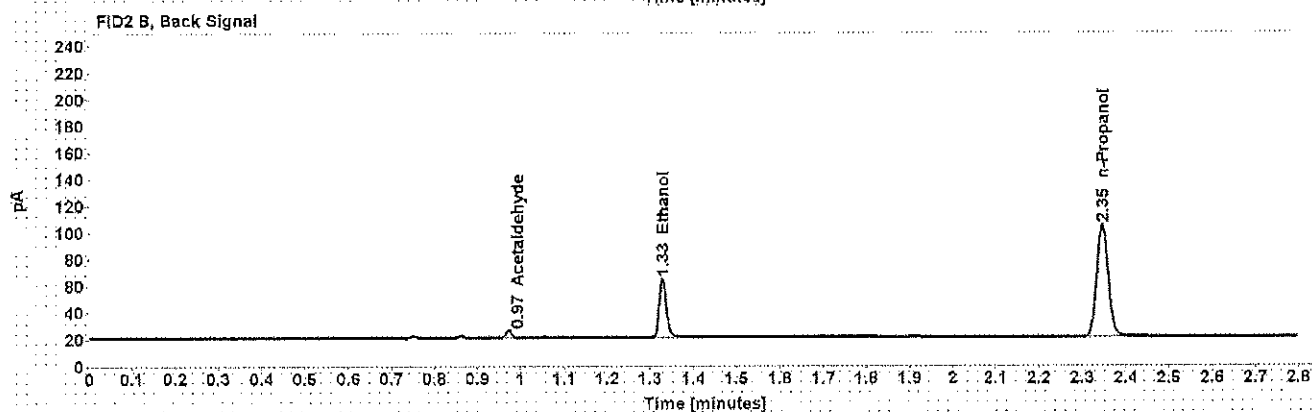
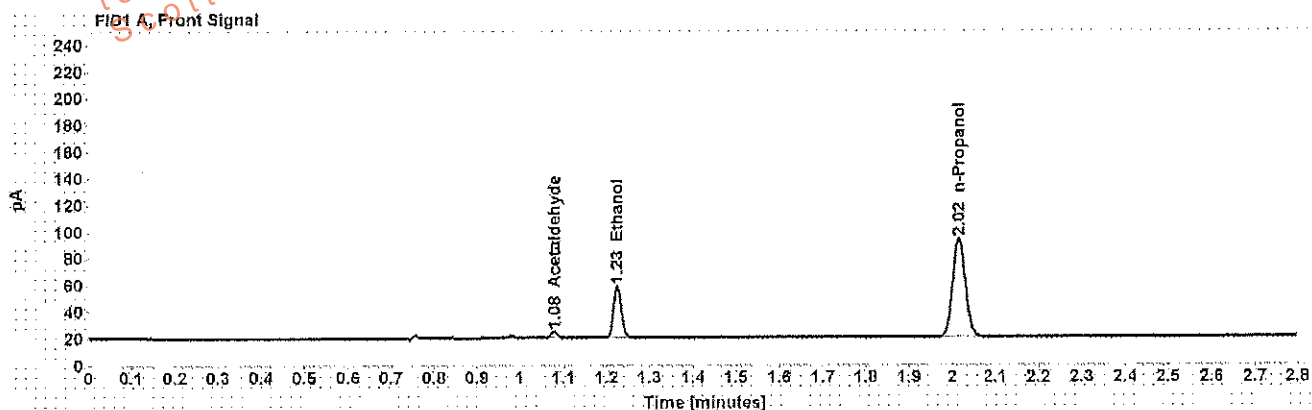


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.682     |
| >Ethanol     | 0.0875           | 1.225      | 49.388    |
| n-Propanol   | -----            | 2.015      | 150.733   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.010     |
| Ethanol      | 1.329      | 50.805    |
| n-Propanol   | 2.346      | 155.713   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                       | <b>Item number:</b> 1141307 |
| <b>Injection date:</b> 3/6/2017 6:08:18 PM      | <b>Vial:</b> 37             |
| <b>Method:</b> ethanol quant.M                  | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045        | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\137.D |                             |

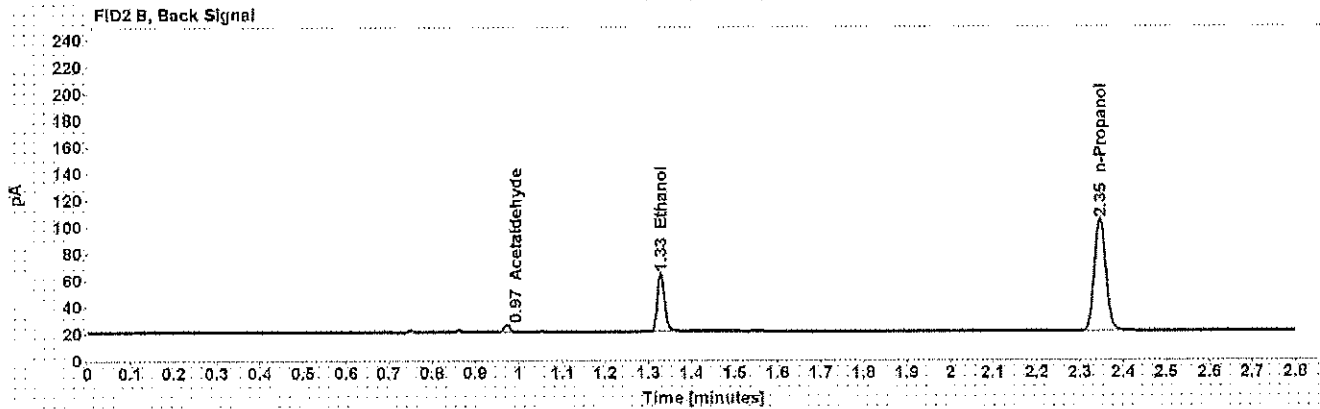
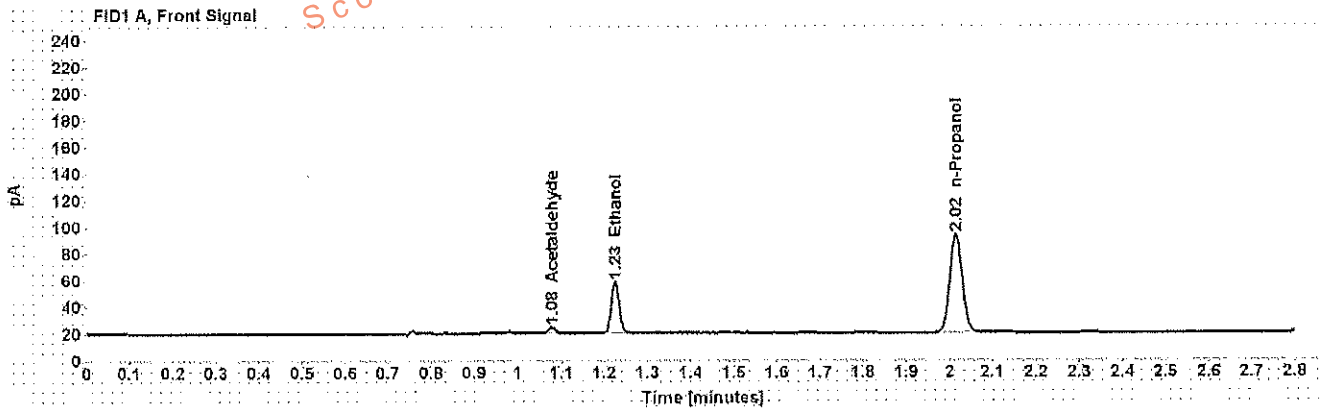


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.692     |
| >Ethanol     | 0.0874           | 1.225      | 49.304    |
| n-Propanol   | -----            | 2.015      | 150.584   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.010     |
| Ethanol      | 1.329      | 50.716    |
| n-Propanol   | 2.348      | 155.648   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                     | <b>Item number:</b> 1142000 |
| <b>Injection date:</b> 3/6/2017 6:12:18 PM    | <b>Vial:</b> 38             |
| <b>Method:</b> ethanol quant.M                | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045      | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem321\Data\6Mar17\38.D |                             |

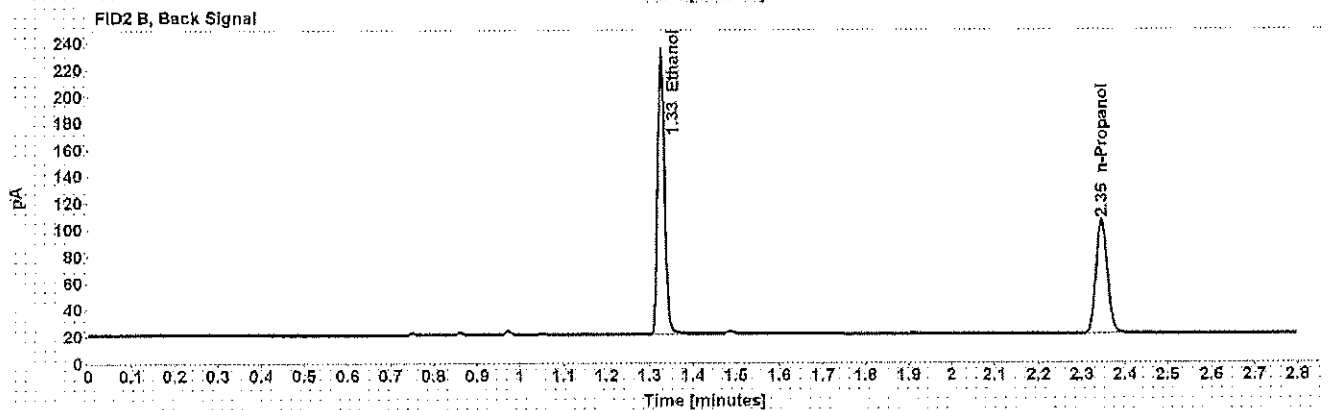
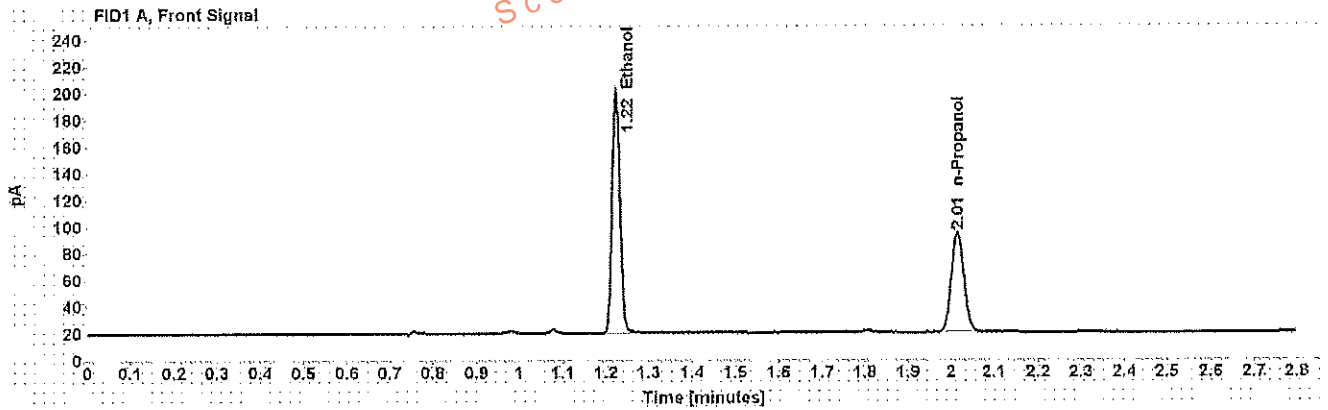


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.3988           | 1.224      | 231.434   |
| n-Propanol | -----            | 2.015      | 152.522   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.327      | 239.819   |
| n-Propanol | 2.346      | 157.518   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1142000 |
| <b>Injection date:</b> 3/6/2017 6:16:18 PM     | <b>Vial:</b> 39             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\39.D |                             |

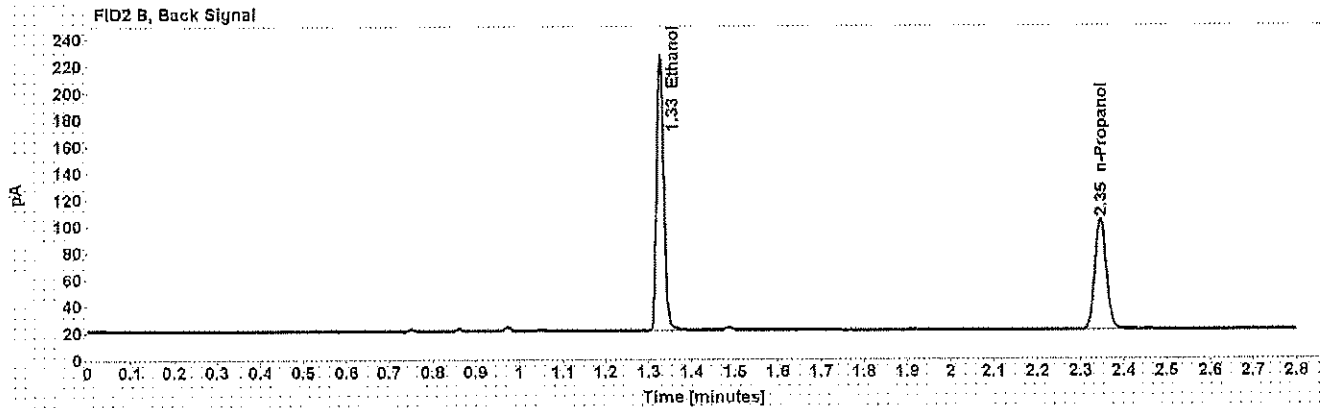
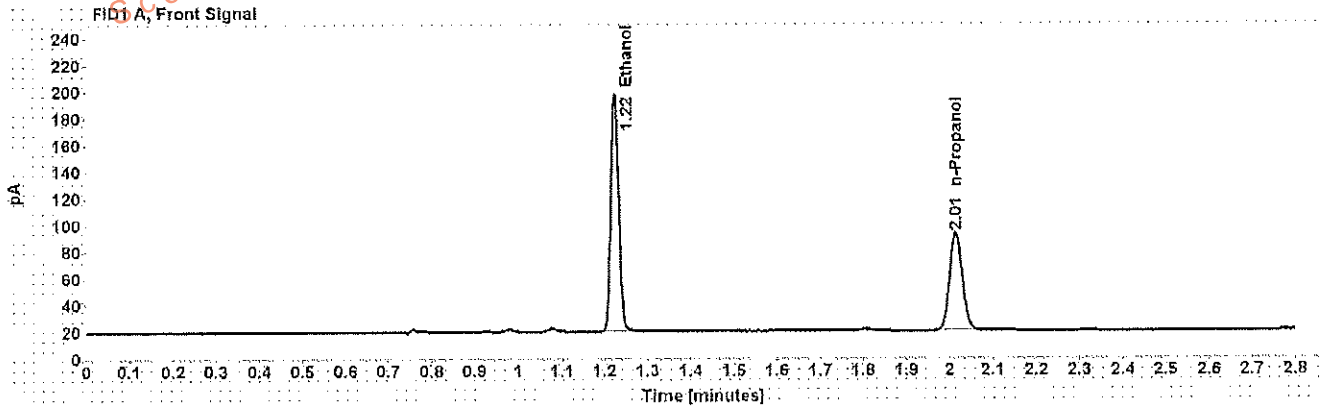


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount<br>(g/100mL) | Time<br>(min) | Peak<br>Area |
|------------|---------------------|---------------|--------------|
| >Ethanol   | 0.4005              | 1.224         | 227.045      |
| n-Propanol | -----               | 2.015         | 149.015      |

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

| Compound   | Time<br>(min) | Peak<br>Area |
|------------|---------------|--------------|
| Ethanol    | 1.327         | 236.261      |
| n-Propanol | 2.346         | 153.918      |

**Scottsdale Police Department Crime Lab Volatiles Analysis**

|                 |                             |              |         |
|-----------------|-----------------------------|--------------|---------|
| Sample:         | [REDACTED]                  | Item number: | 1142004 |
| Injection date: | 3/6/2017 6:20:18 PM         | Vial:        | 40      |
| Method:         | ethanol quant M             | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045       | Analyst:     | Adrian  |
| Data file:      | C:\Chem321\Data\6Mar17\40.D |              |         |

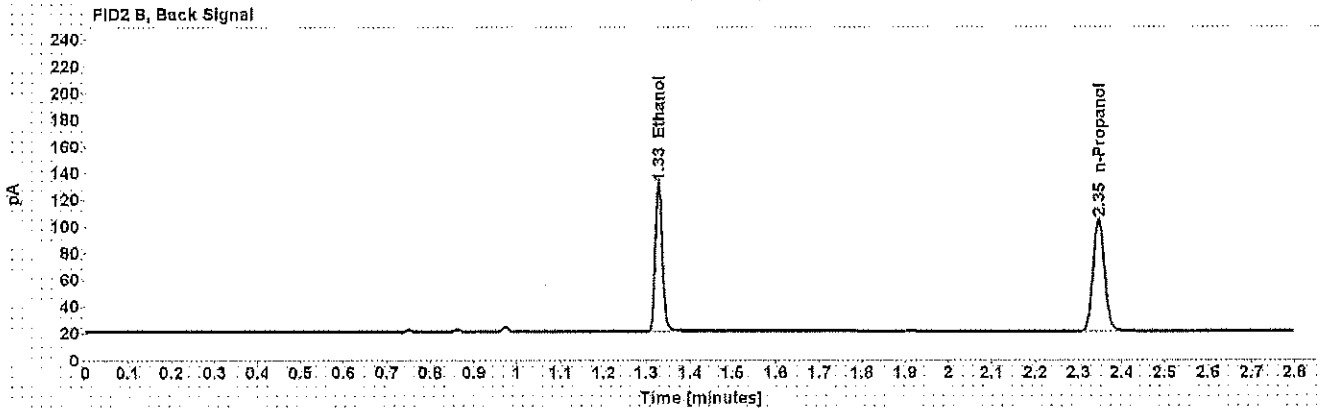
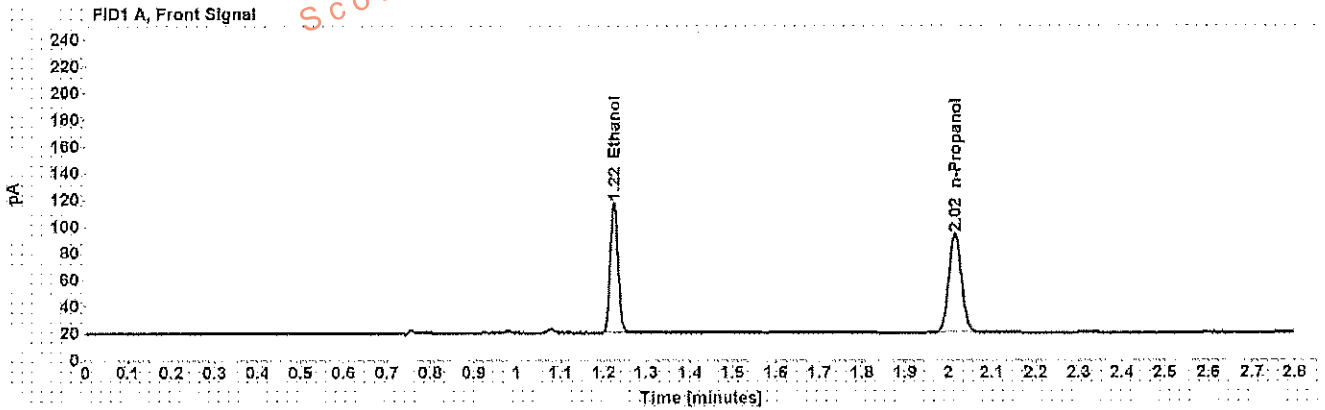


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2176           | 1.224      | 124.651   |
| n-Propanol | -----            | 2.015      | 151.110   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 129.099   |
| n-Propanol | 2.346      | 156.250   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1142004 |
| <b>Injection date:</b> 3/6/2017 6:24:18 PM     | <b>Vial:</b> 41             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\41.D |                             |

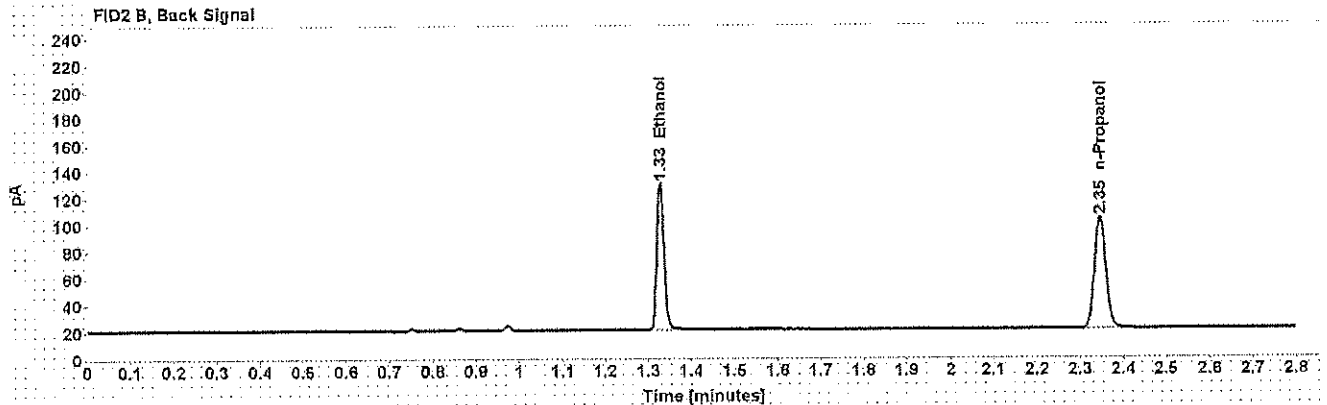
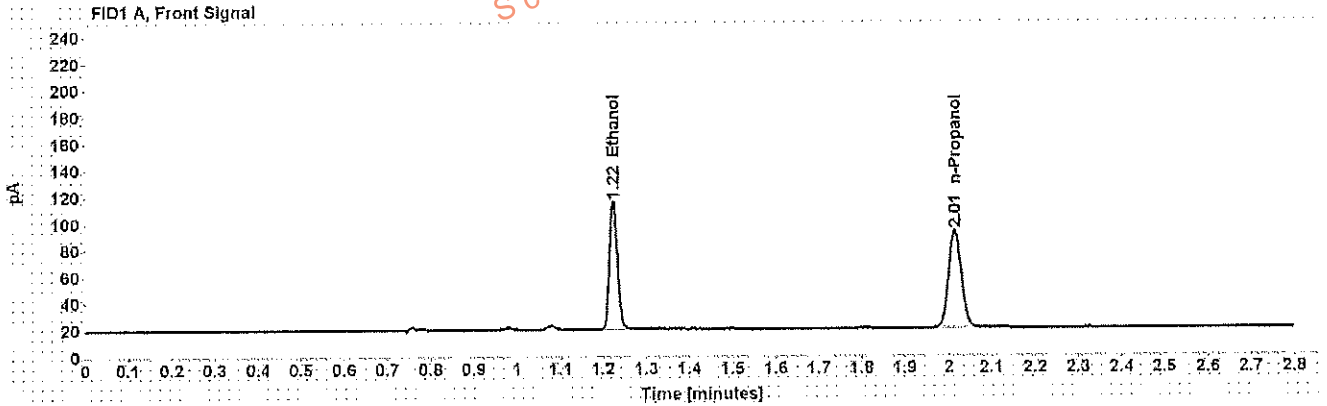


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2178           | 1.224      | 122.763   |
| n-Propanol | -----            | 2.015      | 148.714   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 126.964   |
| n-Propanol | 2.346      | 153.720   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                      |
|--|----------------------|
| Sample: [REDACTED]                       | Item number: 1137660 |
| Injection date: 3/6/2017 6:32:33 PM      | Vial: 43             |
| Method: ethanol quant.M                  | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045        | Analyst: Adrian      |
| Data file: C:\Chem32\11\Data\6Mar17\43.D |                      |

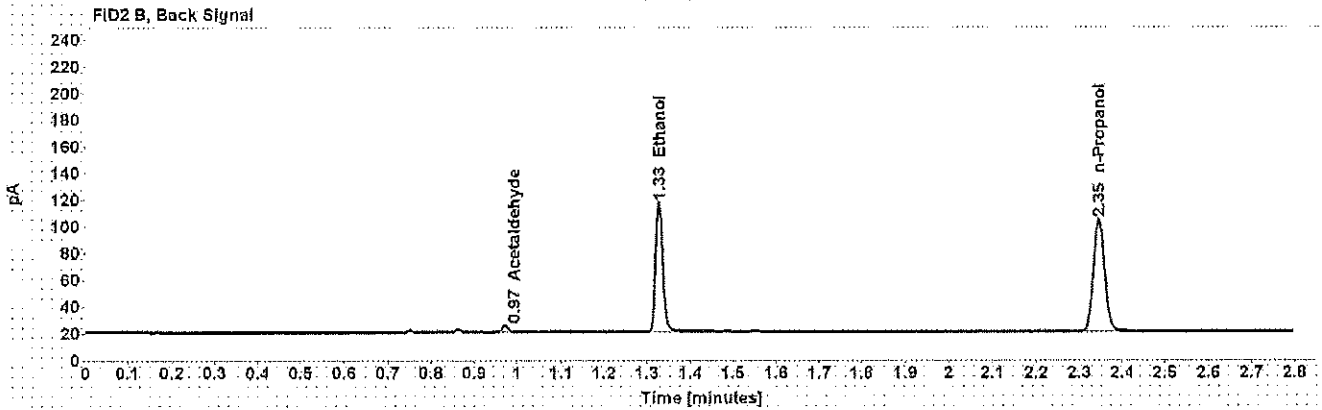
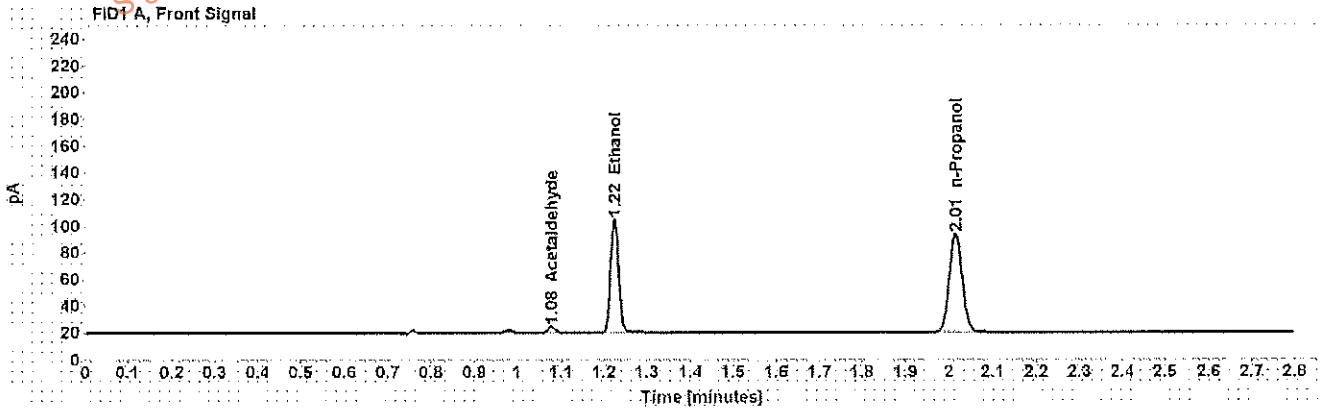


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4,583     |
| >Ethanol     | 0.1911           | 1.224      | 108,634   |
| n-Propanol   | -----            | 2.015      | 150,153   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4,879     |
| Ethanol      | 1.327      | 112,421   |
| n-Propanol   | 2,345      | 155,363   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1137660 |
| Injection date: | 3/6/2017 6:36:32 PM          | Vial:        | 44      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\1\Data\6Mar17\44.D |              |         |

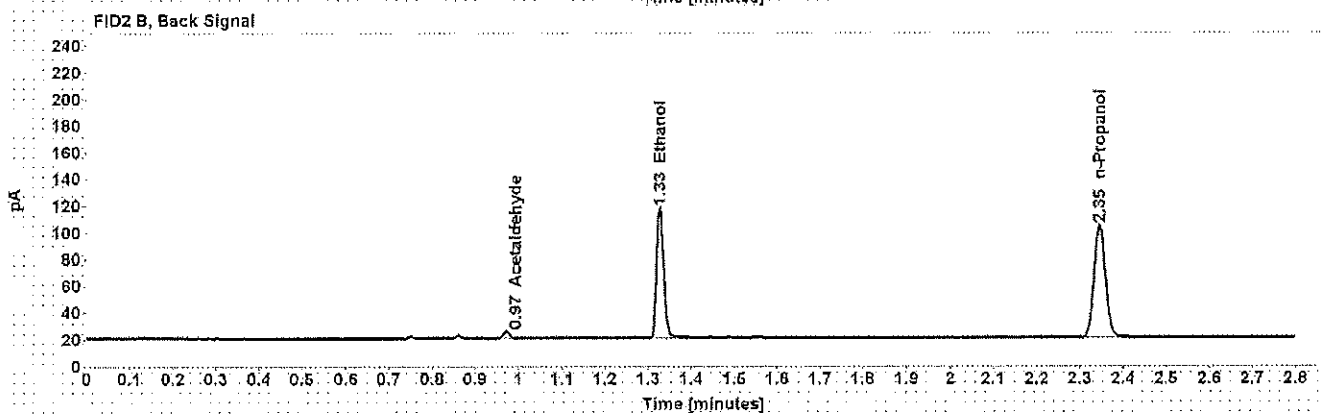
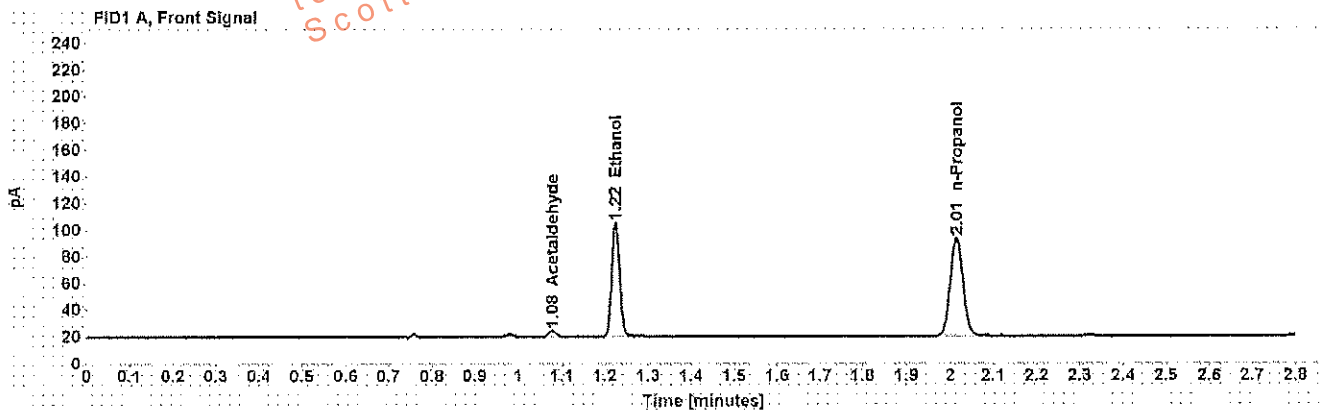


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.582     |
| >Ethanol     | 0.1920           | 1.224      | 109.223   |
| n-Propanol   | -----            | 2.015      | 150.241   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.859     |
| Ethanol      | 1.328      | 113.016   |
| n-Propanol   | 2.346      | 155.517   |



## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1138039 |
| Injection date: | 3/6/2017 6:40:33 PM          | Vial:        | 45      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem32\1\Data\6Mar17\45.D |              |         |

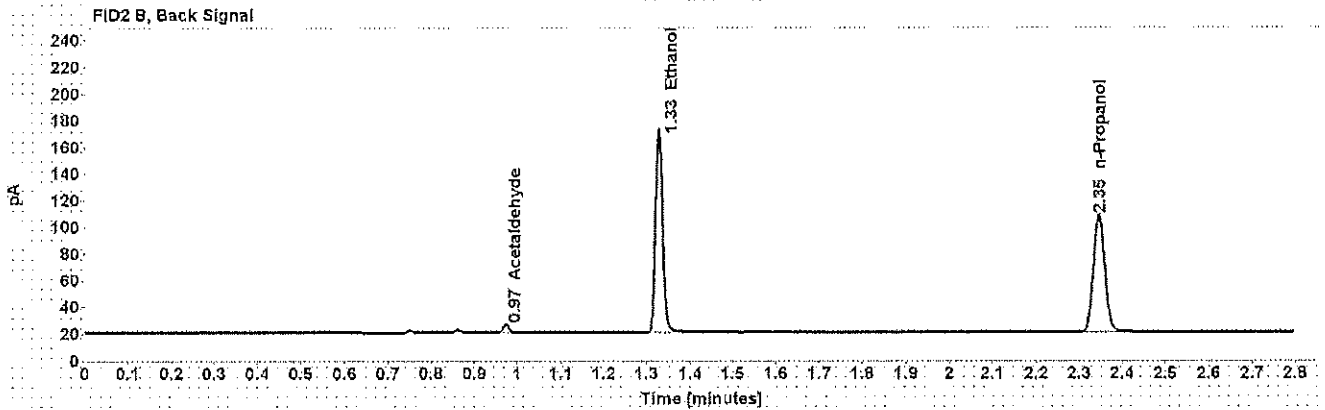
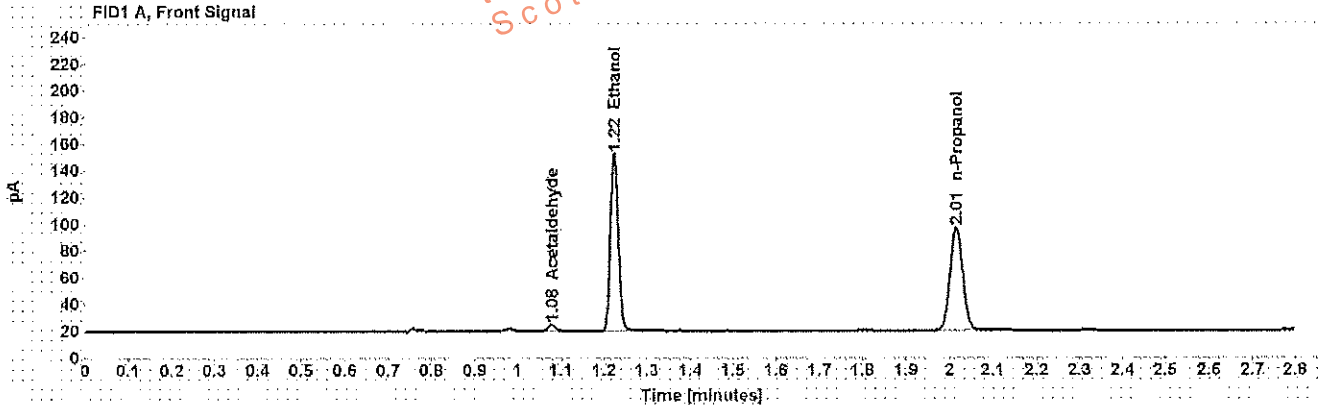


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 5.197     |
| >Ethanol     | 0.2838           | 1.224      | 169.853   |
| n-Propanol   | -----            | 2.015      | 157.593   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.541     |
| Ethanol      | 1.328      | 175.914   |
| n-Propanol   | 2.346      | 163.146   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1138039 |
| <b>Injection date:</b> 3/6/2017 6:44:33 PM     | <b>Vial:</b> 46             |
| <b>Method:</b> ethanol.quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\46.D |                             |

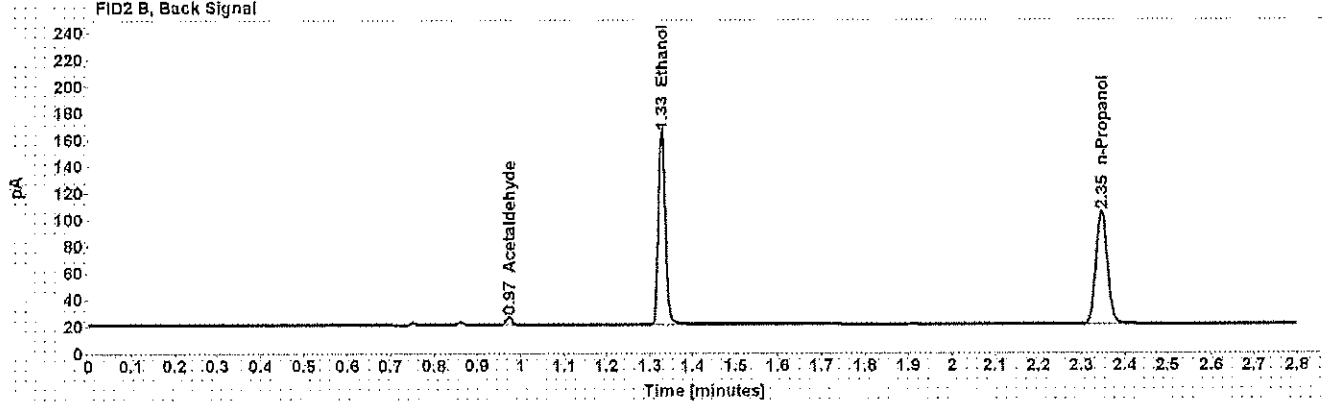
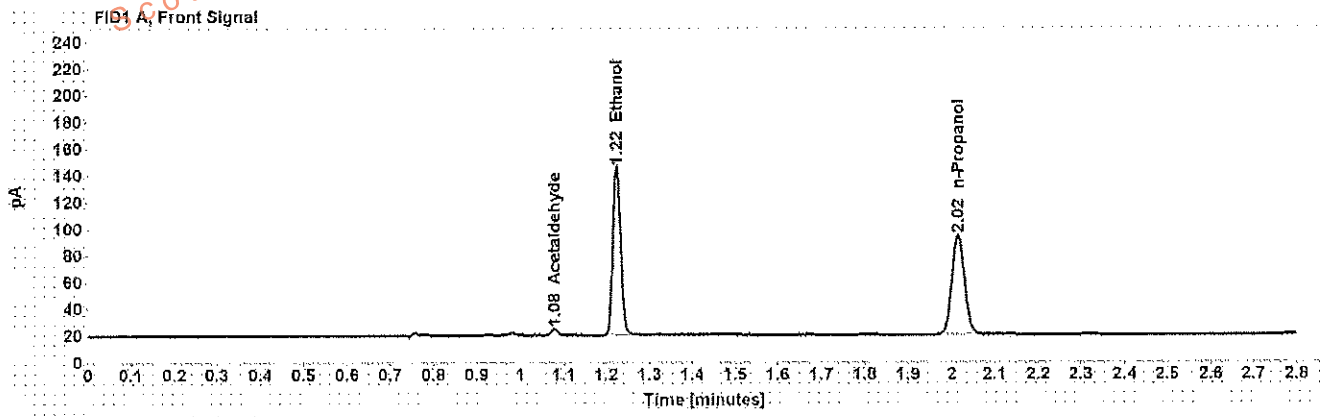


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 5.076     |
| >Ethanol     | 0.2811           | 1.225      | 161,531   |
| n-Propanol   | -----            | 2.015      | 151,313   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.382     |
| Ethanol      | 1.328      | 167,341   |
| n-Propanol   | 2.346      | 156,691   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1137642 |
| <b>Injection date:</b> 3/6/2017 6:48:33 PM     | <b>Vial:</b> 47             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\47.D |                             |

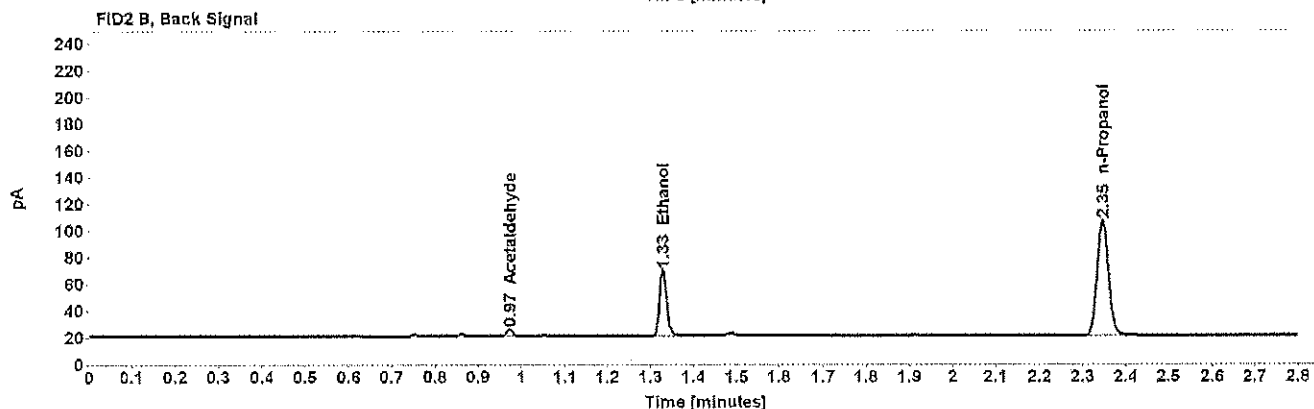
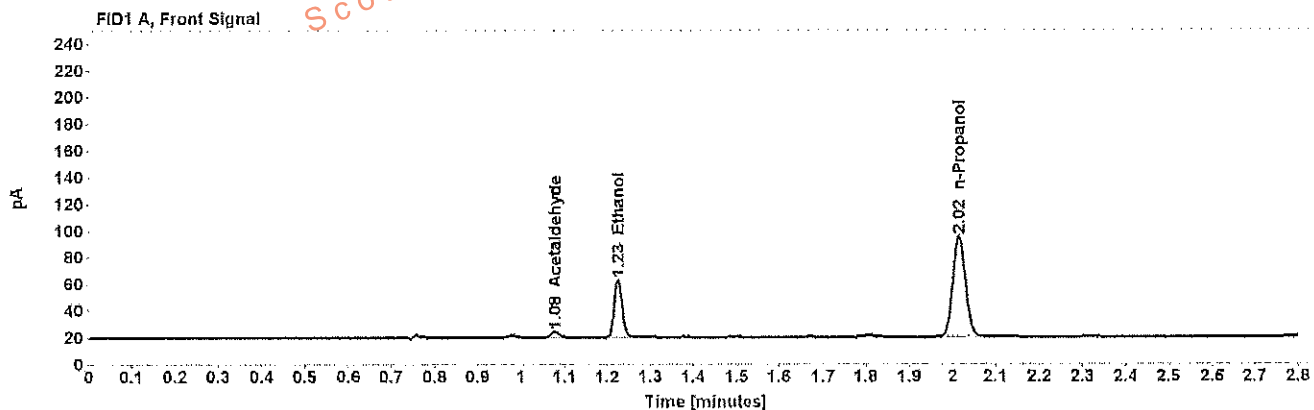


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.610     |
| >Ethanol     | 0.0961           | 1.225      | 55.666    |
| n-Propanol   | -----            | 2.015      | 154.329   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.915     |
| Ethanol      | 1.329      | 57.269    |
| n-Propanol   | 2.346      | 159.560   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1137642 |
| <b>Injection date:</b> 3/6/2017 6:52:33 PM     | <b>Vial:</b> 48             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\48.D |                             |

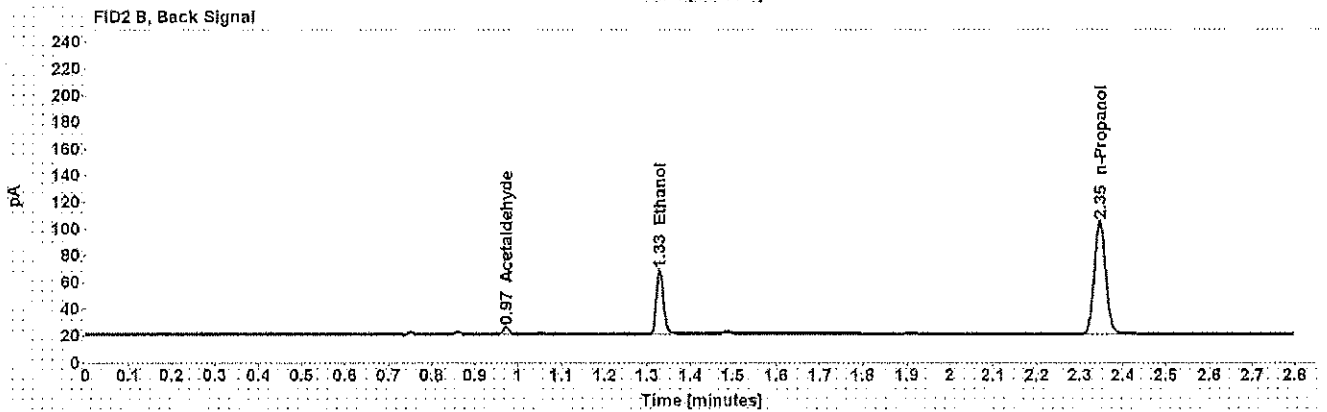
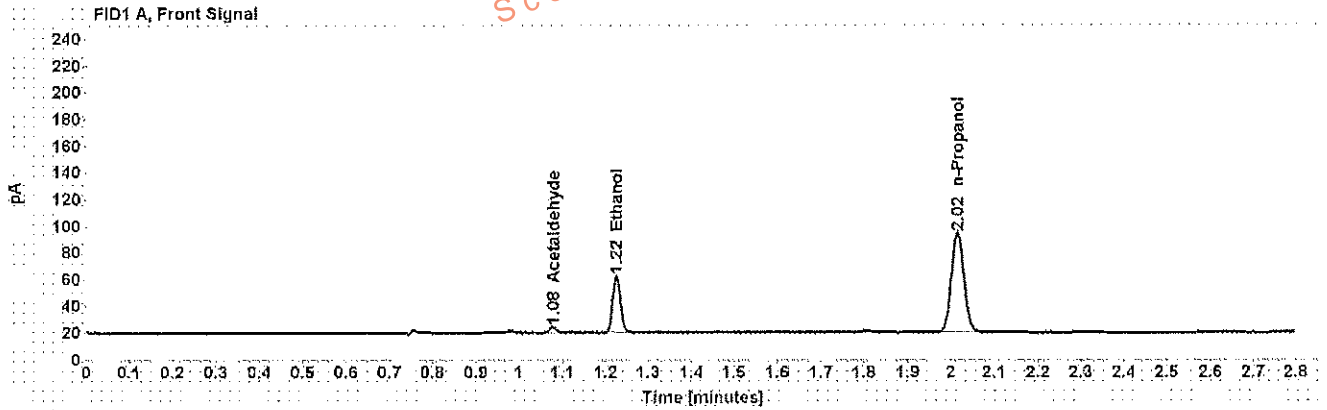


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.544     |
| >Ethanol     | 0.0953           | 1.225      | 54.275    |
| n-Propanol   | -----            | 2.015      | 151.776   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.834     |
| Ethanol      | 1.329      | 55.912    |
| n-Propanol   | 2.346      | 157.051   |

Case: [REDACTED] User: wadrian 3/7/2017

### Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 0000001 |
| Injection date: | 3/6/2017 6:56:48 PM          | Vial:        | 49      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem3211\Data\6Mar17\49.D |              |         |

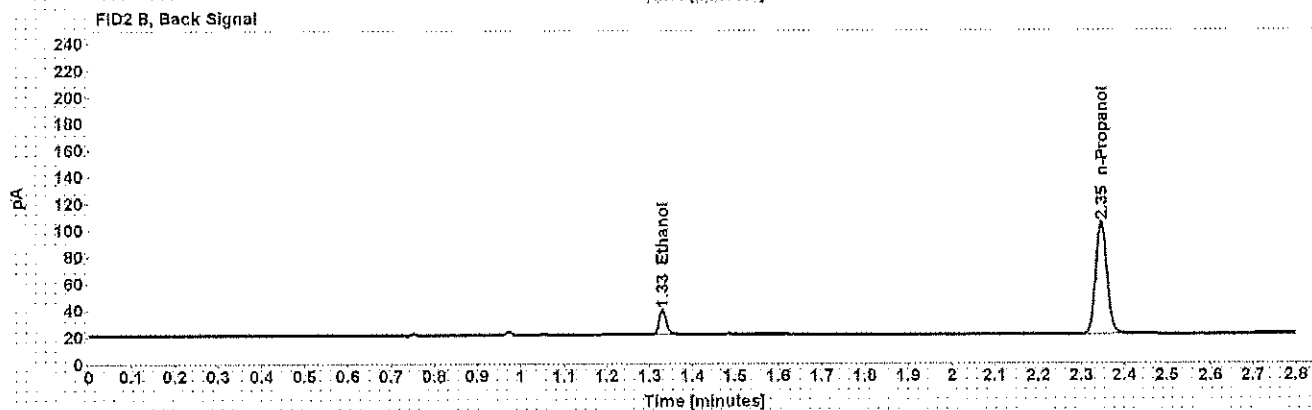
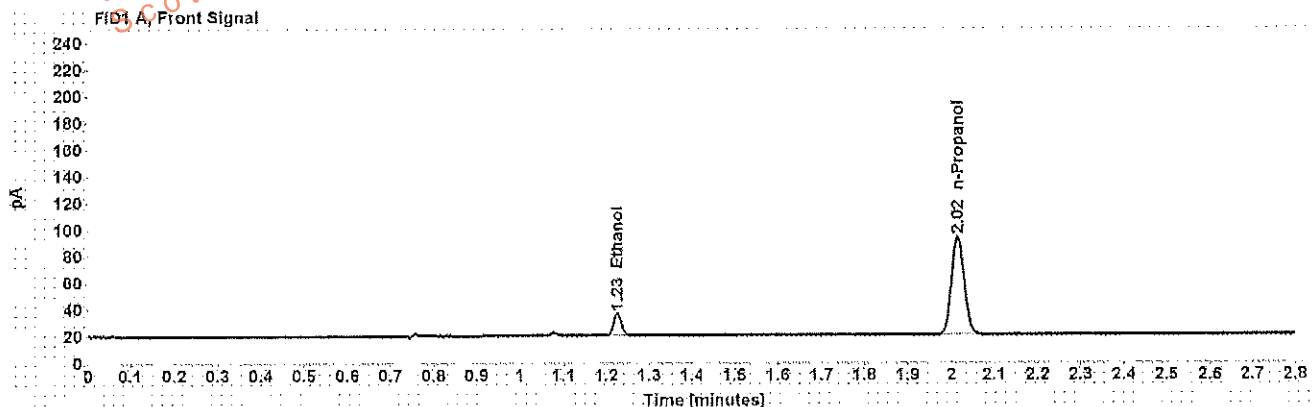


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0387           | 1.226      | 21.273    |
| n-Propanol | -----            | 2.015      | 150.405   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.330      | 22.263    |
| n-Propanol | 2.346      | 155.506   |

### Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                       | <b>Item number:</b> 0000001 |
| <b>Injection date:</b> 3/6/2017 7:00:48 PM      | <b>Vial:</b> 50             |
| <b>Method:</b> ethanol quant.M                  | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045        | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\11\Data\6Mar17\50.D |                             |

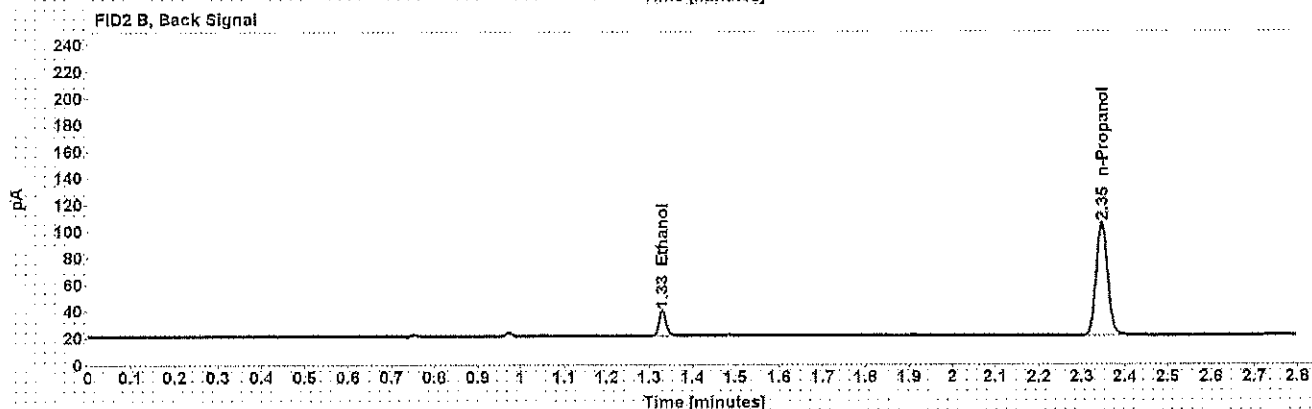
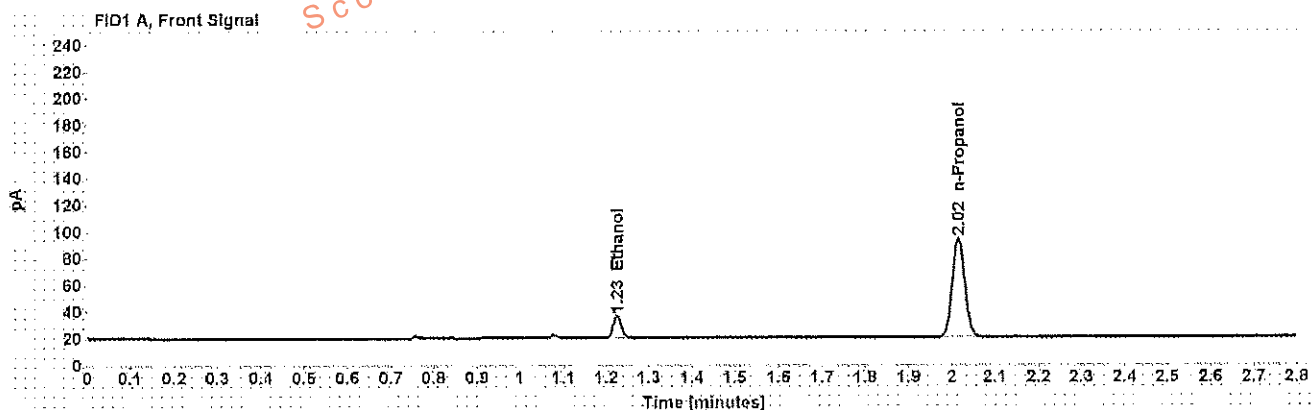


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.0387           | 1.226      | 21.360    |
| n-Propanol | -----            | 2.015      | 151.223   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.330      | 22.182    |
| n-Propanol | 2.346      | 156.424   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                      |
|--|----------------------|
| Sample: [REDACTED]                       | Item number: 0000002 |
| Injection date: 3/6/2017 7:04:48 PM      | Vial: 51             |
| Method: ethanol quant.M                  | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045        | Analyst: Adrian      |
| Data file: C:\Chem32\11\Data\6Mar17\51.D |                      |

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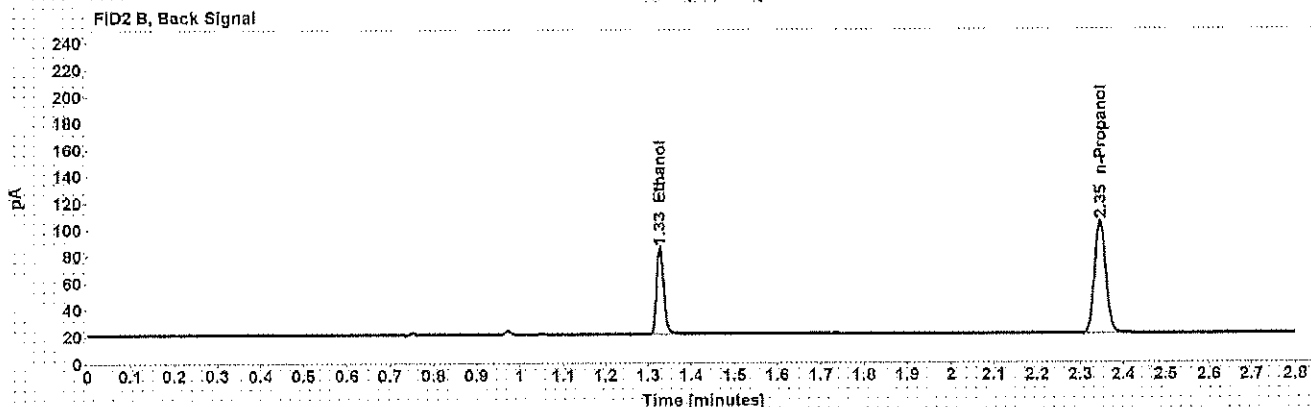
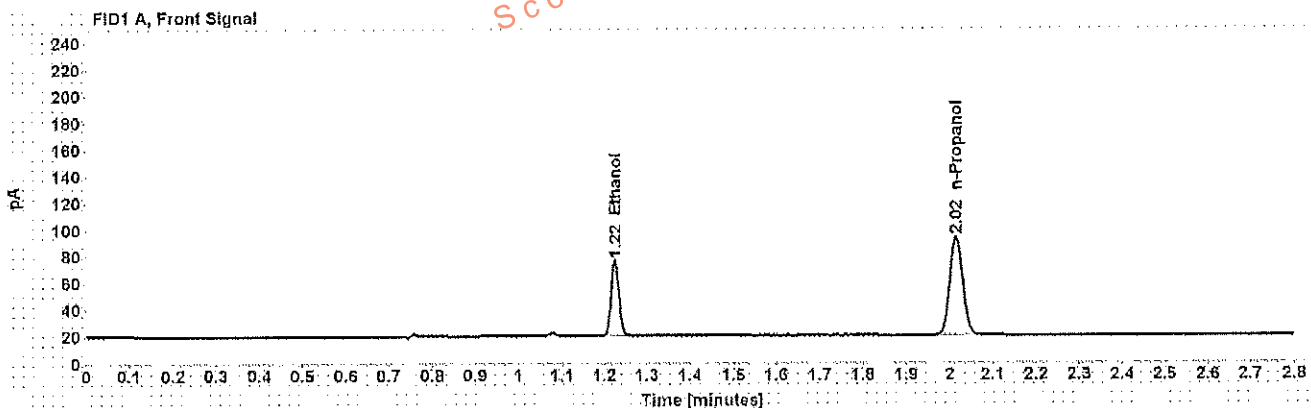


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1273           | 1.225      | 72.382    |
| n-Propanol | -----            | 2.015      | 150.782   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 74.756    |
| n-Propanol | 2.346      | 155.807   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                       | <b>Item number:</b> 0000002 |
| <b>Injection date:</b> 3/6/2017 7:08:48 PM      | <b>Vial:</b> 52             |
| <b>Method:</b> ethanol quant.M                  | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045        | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\11\Data\6Mar17\52.D |                             |

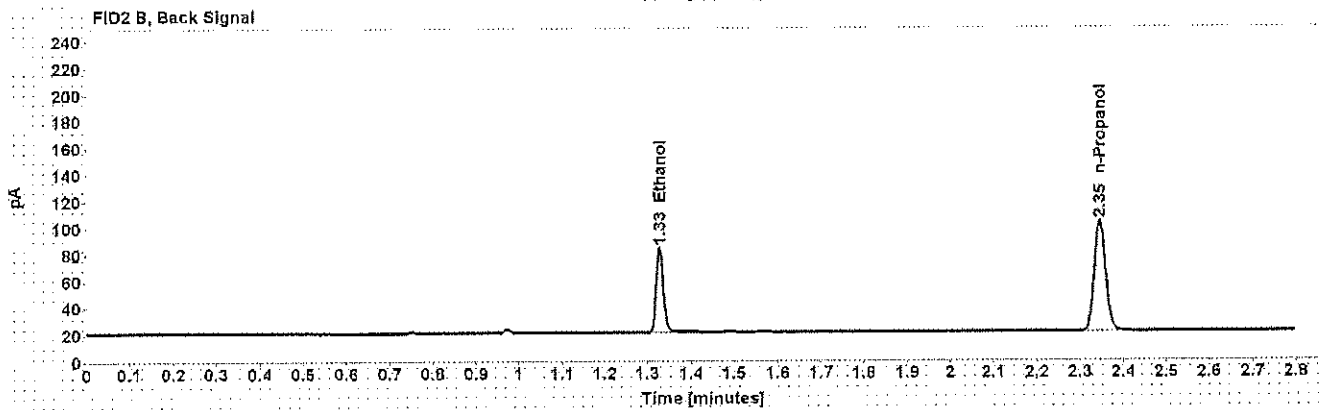
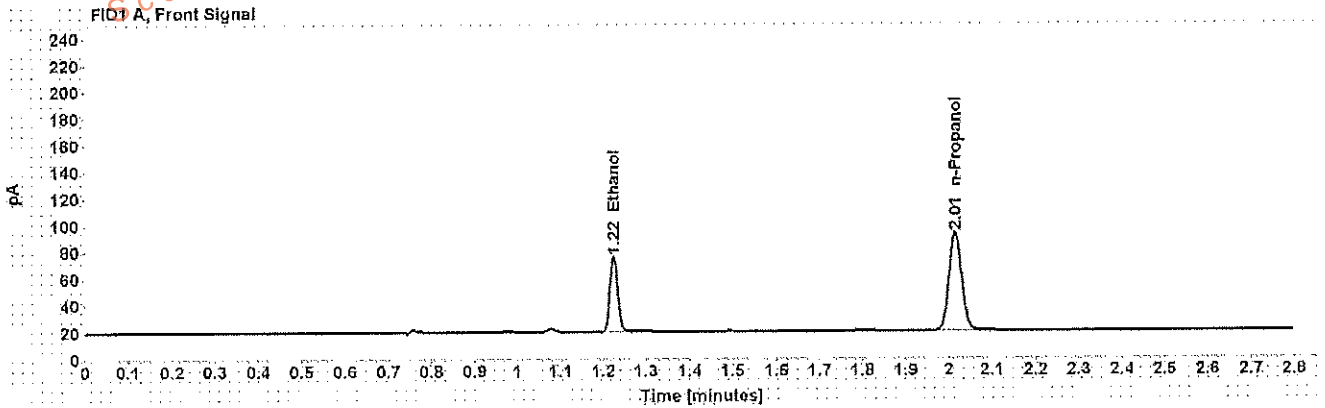


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.1271           | 1.225      | 71.581    |
| n-Propanol | -----            | 2.015      | 149.357   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 73.871    |
| n-Propanol | 2.346      | 154.270   |



## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                       | <b>Item number:</b> 0000003 |
| <b>Injection date:</b> 3/6/2017 7:16:48 PM      | <b>Vial:</b> 54             |
| <b>Method:</b> ethanol quant.M                  | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045        | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\11\Data\6Mar17\54.D |                             |

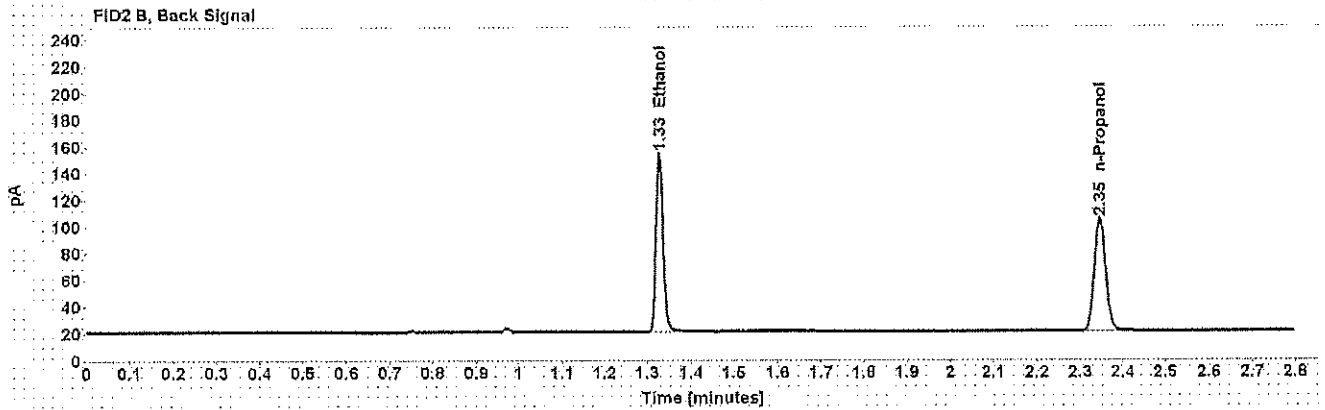
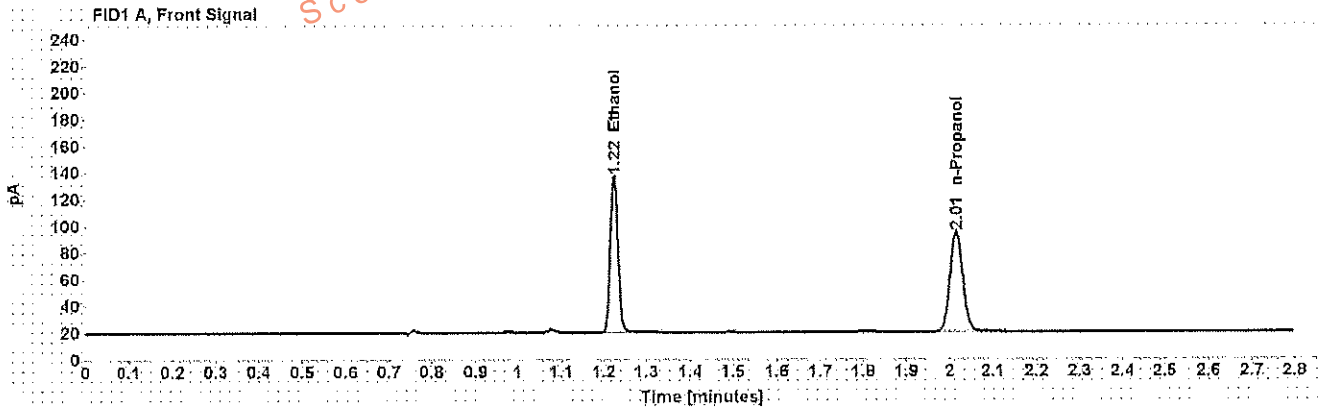


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2594           | 1.224      | 150.037   |
| n-Propanol | -----            | 2.015      | 152.348   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 155.121   |
| n-Propanol | 2.348      | 157.449   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 0000003 |
| <b>Injection date:</b> 3/6/2017 7:21:03 PM     | <b>Vial:</b> 55             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\55.D |                             |

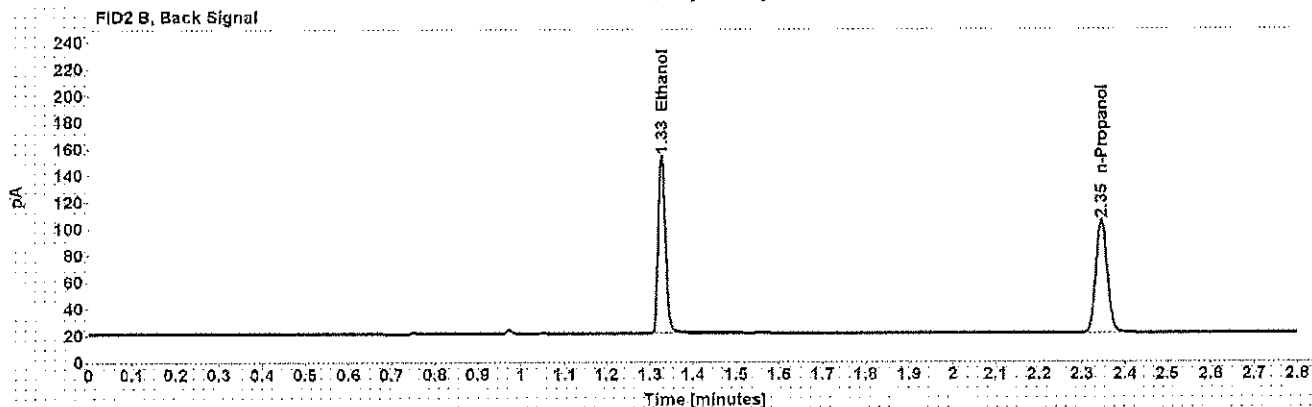
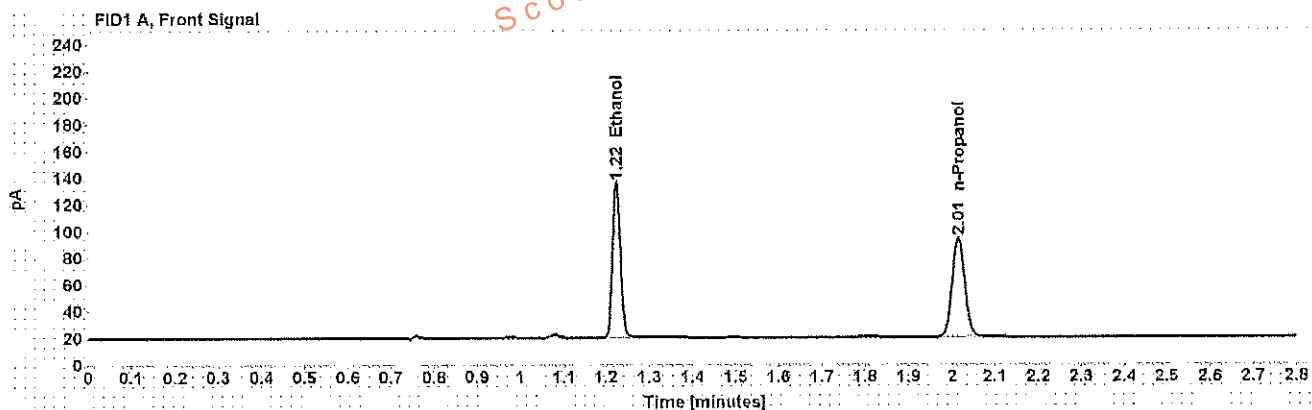


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2587           | 1.224      | 148.984   |
| n-Propanol | -----            | 2.015      | 151.699   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 154.704   |
| n-Propanol | 2.346      | 156.792   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                      |
|--|----------------------|
| Sample: [REDACTED]                       | Item number: 0000004 |
| Injection date: 3/6/2017 7:25:03 PM      | Vial: 56             |
| Method: ethanol quant.M                  | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045        | Analyst: Adrian      |
| Data file: C:\Chem321\1\Data\6Mar17\56.D |                      |

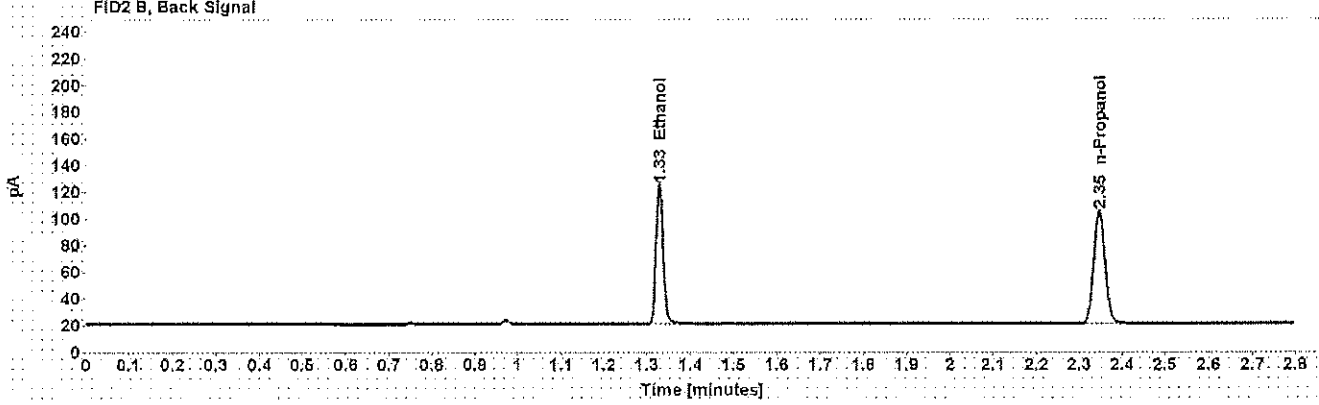
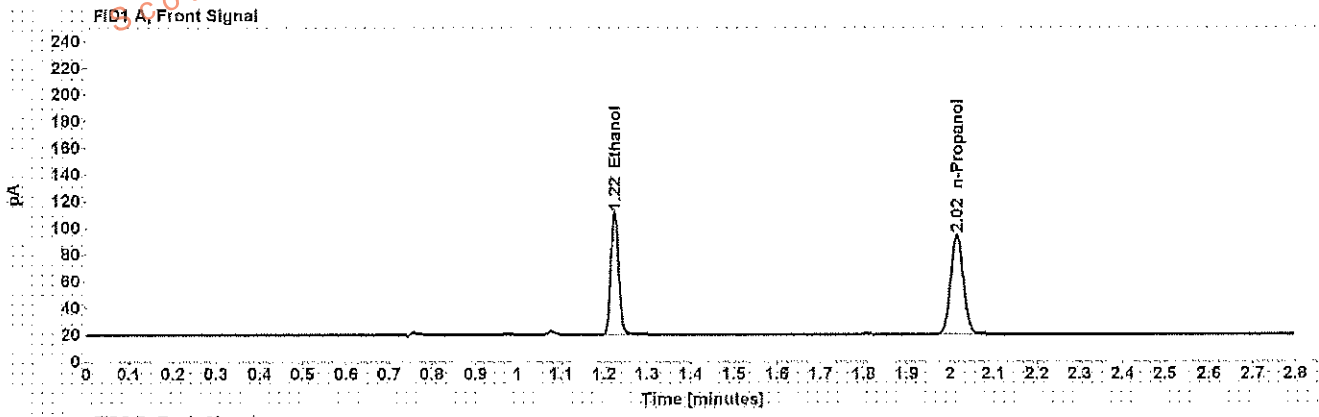


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2036           | 1.225      | 117.064   |
| n-Propanol | -----            | 2.015      | 151.774   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 121.080   |
| n-Propanol | 2.346      | 156.914   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 0000004 |
| <b>Injection date:</b> 3/6/2017 7:29:03 PM     | <b>Vial:</b> 57             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\57.D |                             |

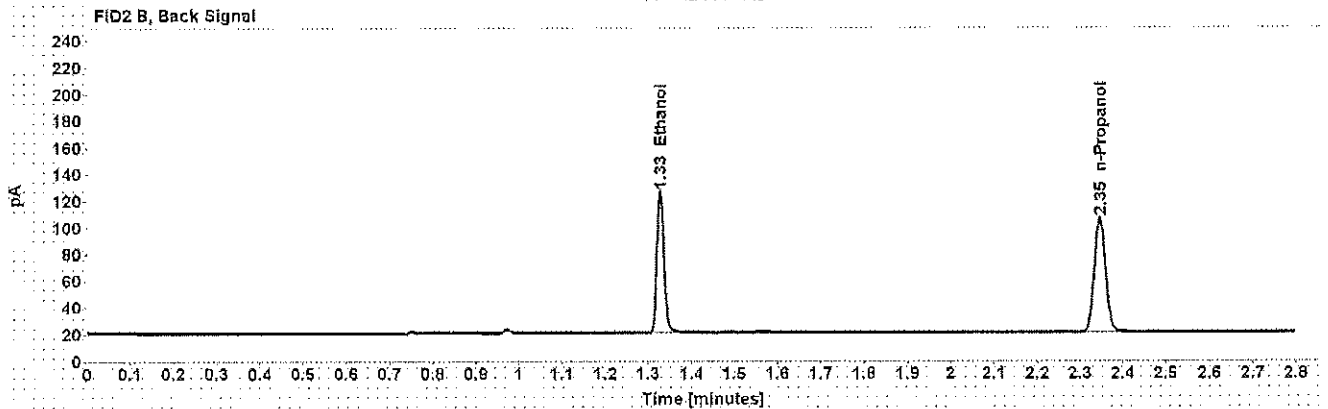
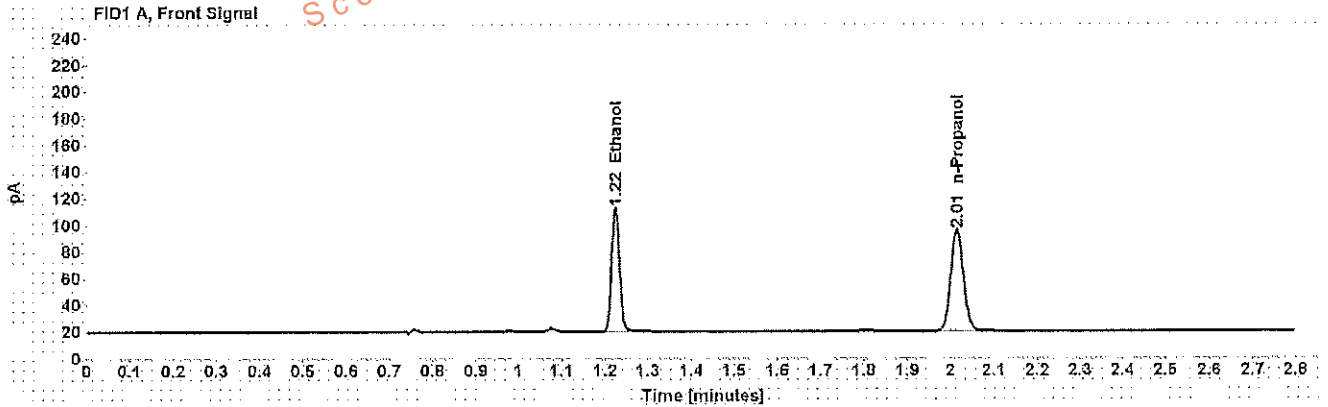


Table 1: FID 1 A (column DB-ALC1)

| Compound   | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol   | 0.2036           | 1.224      | 118.937   |
| n-Propanol | -----            | 2.015      | 154.150   |

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

| Compound   | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol    | 1.328      | 123.096   |
| n-Propanol | 2.346      | 159.299   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                      |
|--|----------------------|
| Sample: [REDACTED]                       | Item number: 1137141 |
| Injection date: 3/6/2017 7:33:03 PM      | Vial: 58             |
| Method: ethanol quant.M                  | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045        | Analyst: Adrian      |
| Data file: C:\Chem32\11\Data\6Mar17\58.D |                      |

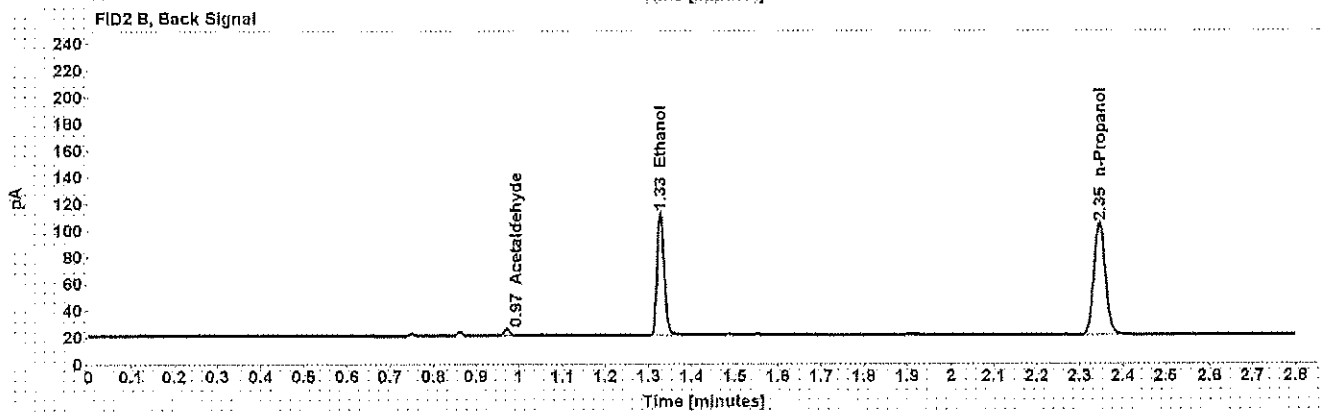
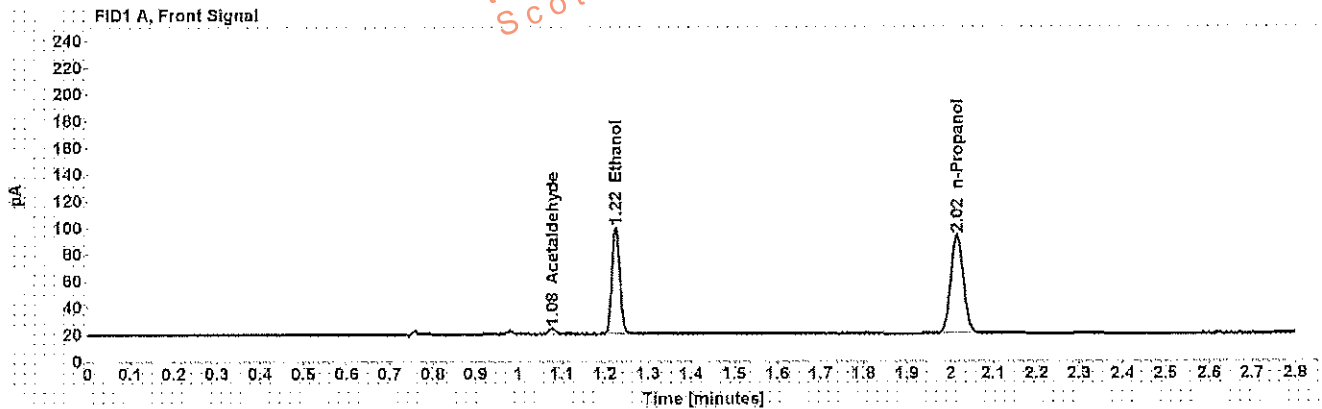


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.365     |
| >Ethanol     | 0.1809           | 1.225      | 102.728   |
| n-Propanol   | -----            | 2.015      | 150.060   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.664     |
| Ethanol      | 1.328      | 106.342   |
| n-Propanol   | 2.346      | 155.312   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1137141 |
| <b>Injection date:</b> 3/6/2017 7:37:03 PM     | <b>Vial:</b> 59             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\59.D |                             |

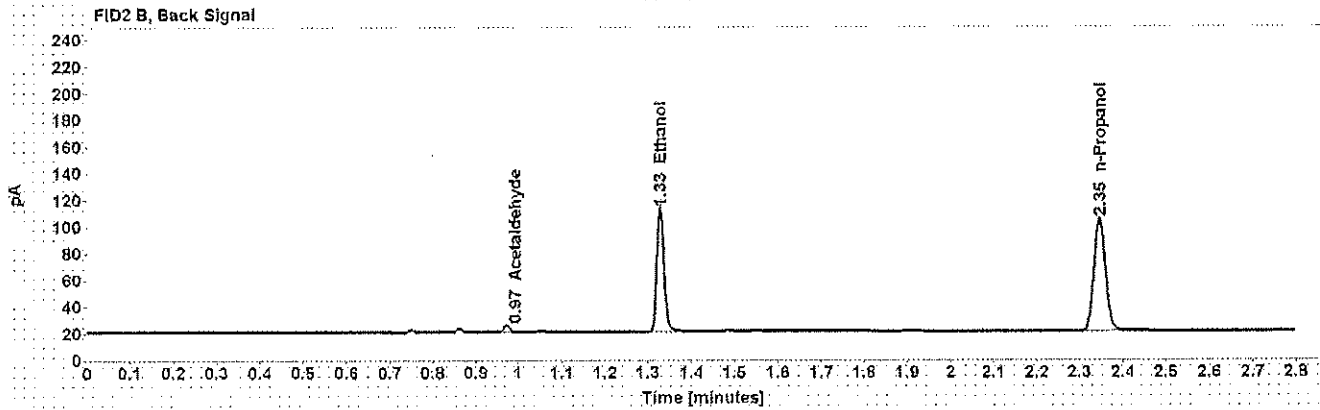
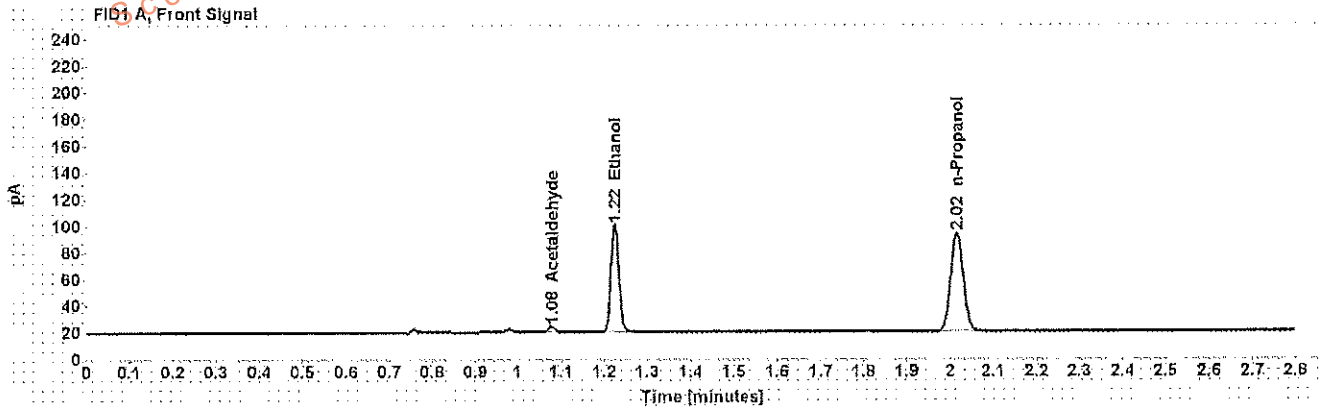


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.384     |
| >Ethanol     | 0.1800           | 1.225      | 103.312   |
| n-Propanol   | -----            | 2.015      | 151.664   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.681     |
| Ethanol      | 1.328      | 107.627   |
| n-Propanol   | 2.346      | 156.197   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1138128 |
| Injection date: | 3/6/2017 7:41:03 PM          | Vial:        | 60      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem3211\Data\6Mar17\60.D |              |         |

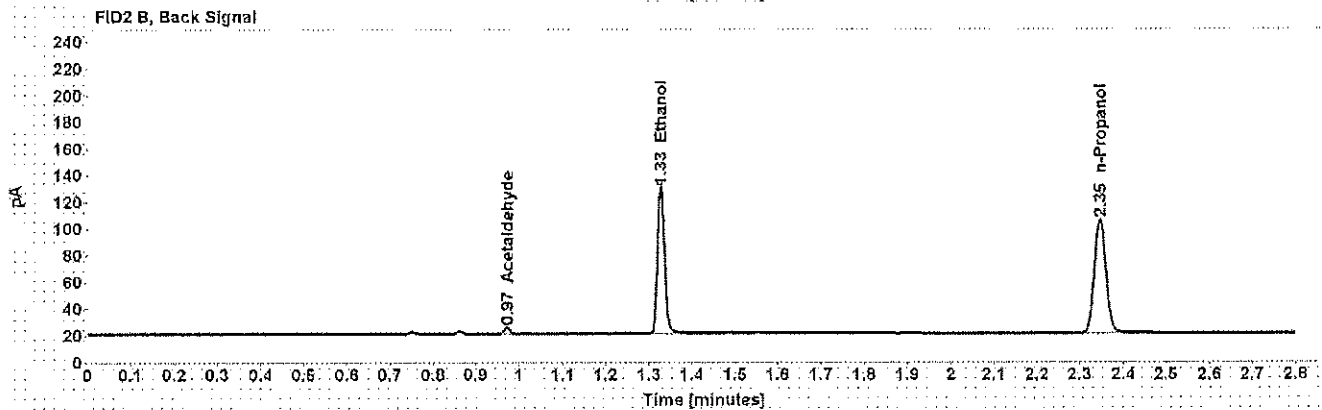
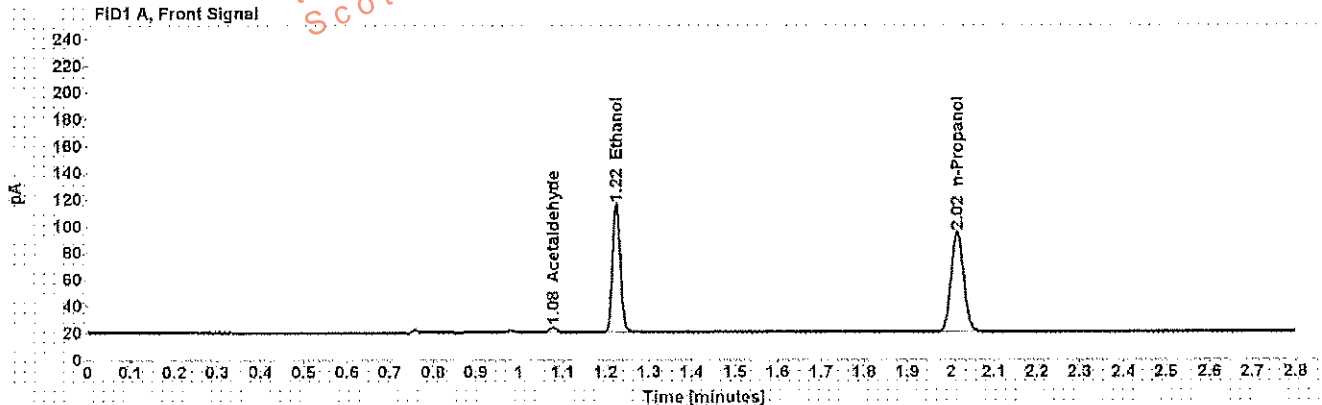


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.031     |
| >Ethanol     | 0.2122           | 1.225      | 122.702   |
| n-Propanol   | -----            | 2.015      | 152.557   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.298     |
| Ethanol      | 1.328      | 126.968   |
| n-Propanol   | 2.346      | 158.000   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1138128 |
| <b>Injection date:</b> 3/6/2017 7:45:18 PM     | <b>Vial:</b> 61             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\61.D |                             |

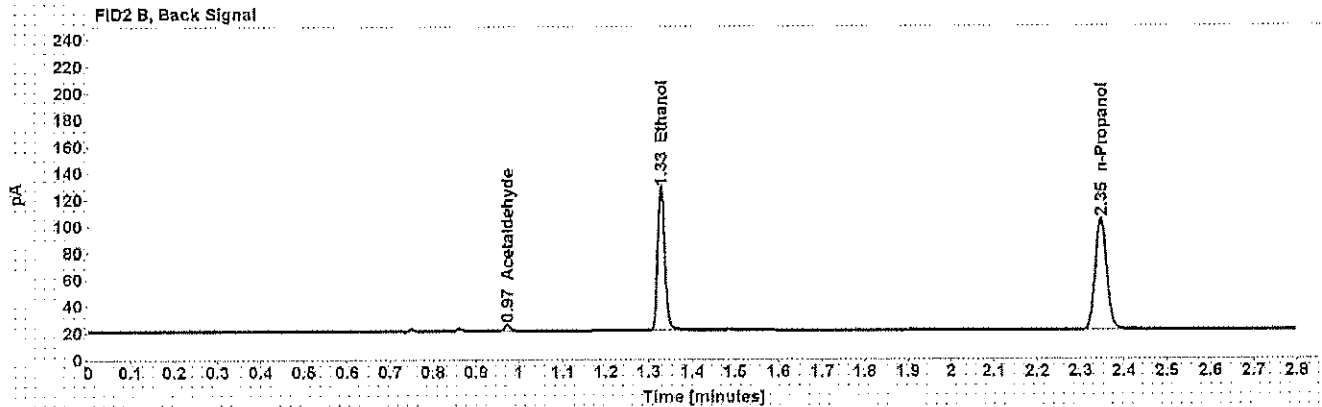
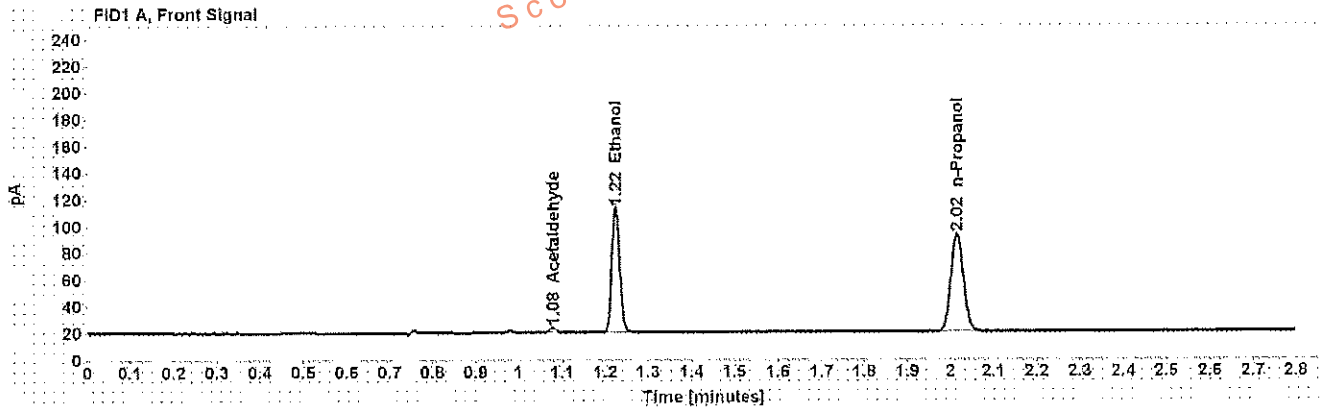


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 3.946     |
| >Ethanol     | 0.2111           | 1.225      | 119.564   |
| n-Propanol   | -----            | 2.015      | 149.455   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.254     |
| Ethanol      | 1.328      | 123.824   |
| n-Propanol   | 2.346      | 154.706   |



Case: [REDACTED]

User: wadrian 3/7/2017

### Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1138814 |
| Injection date: | 3/6/2017 7:49:18 PM          | Vial:        | 62      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem3211\Data\6Mar17\62.D |              |         |

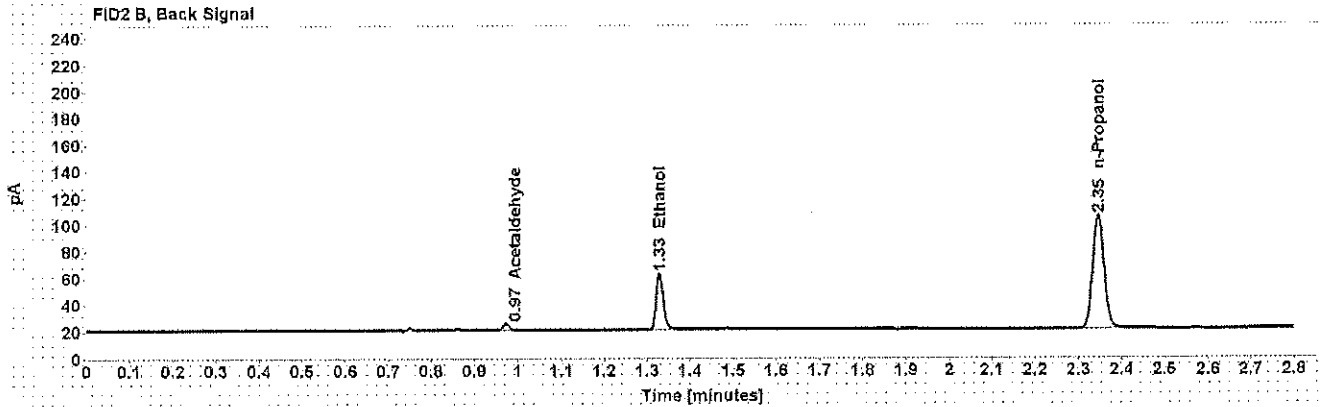
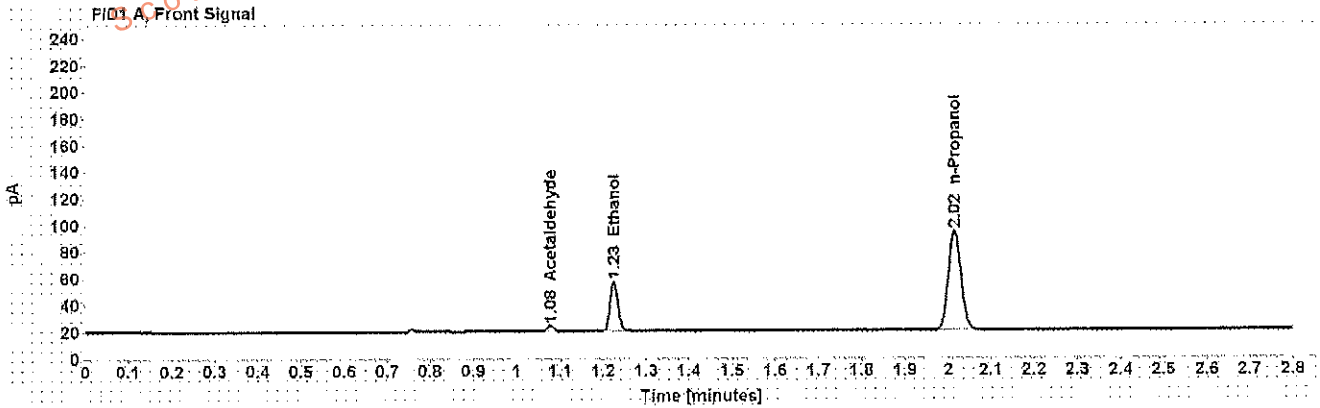


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.352     |
| >Ethanol     | 0.0837           | 1.225      | 47.596    |
| n-Propanol   | -----            | 2.015      | 151.947   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.578     |
| Ethanol      | 1.329      | 48.902    |
| n-Propanol   | 2.346      | 157.066   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1138814 |
| Injection date: | 3/6/2017 7:53:18 PM          | Vial:        | 63      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem3211\Data\6Mar17\63.D |              |         |

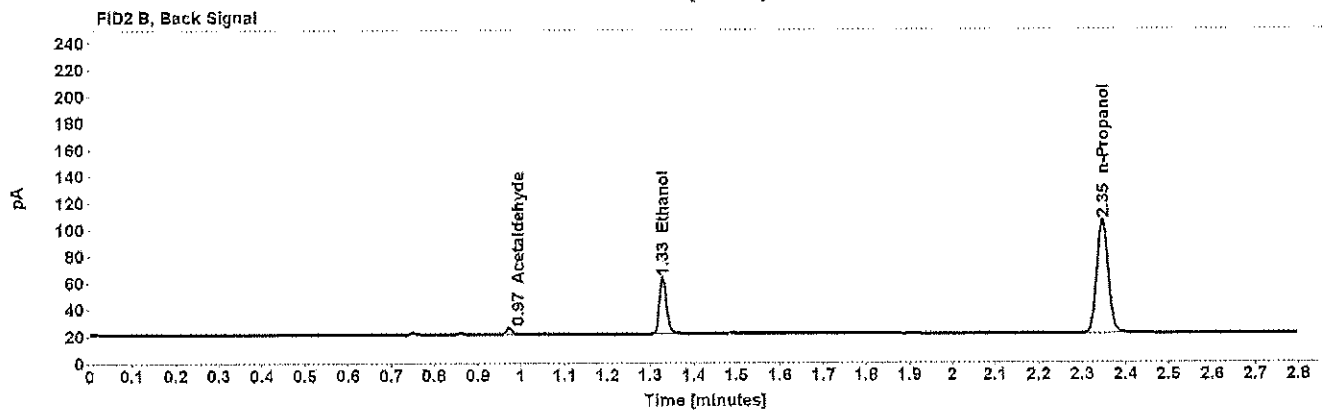
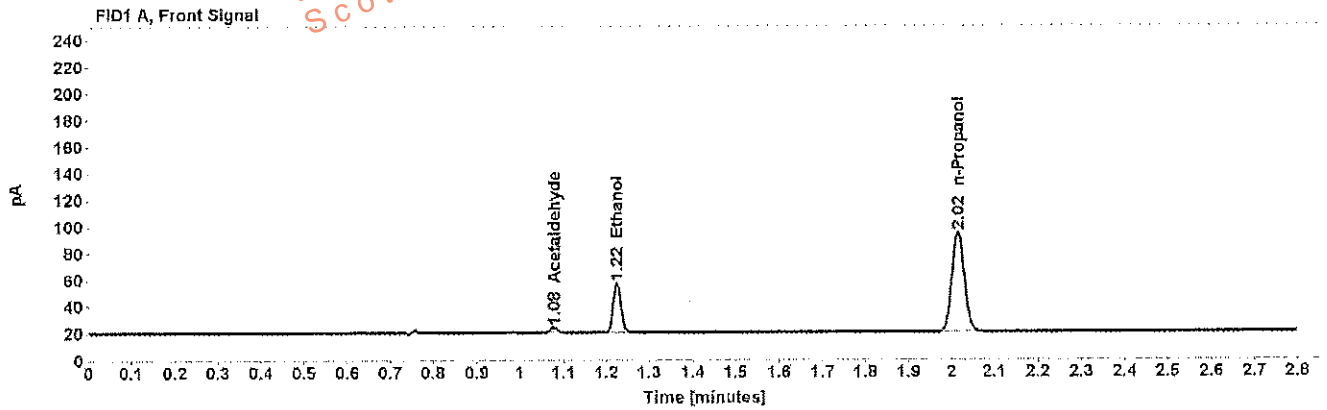


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.342     |
| >Ethanol     | 0.0834           | 1.225      | 47.579    |
| n-Propanol   | -----            | 2.015      | 152.357   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.558     |
| Ethanol      | 1.328      | 48.749    |
| n-Propanol   | 2.346      | 157.612   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1138366 |
| <b>Injection date:</b> 3/6/2017 8:01:18 PM     | <b>Vial:</b> 65             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\65.D |                             |

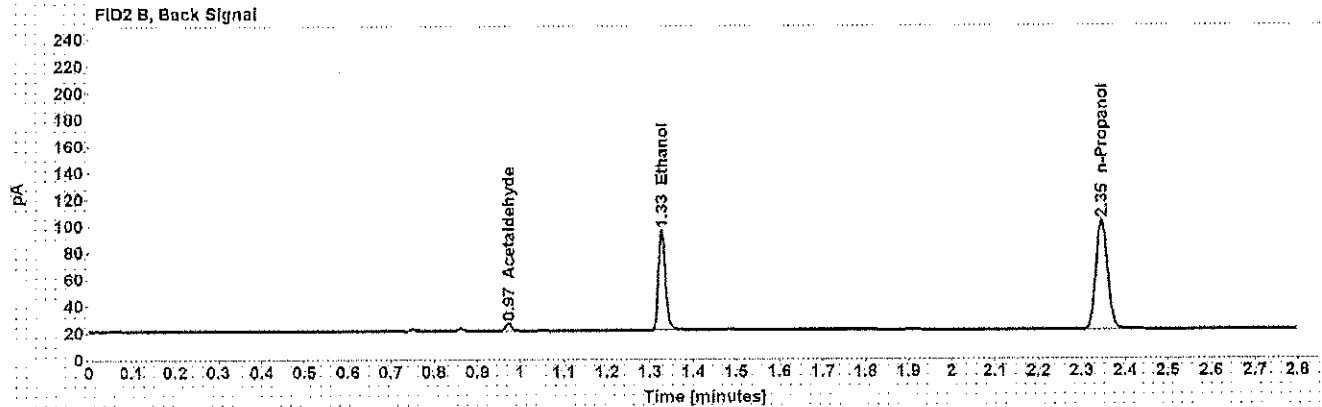
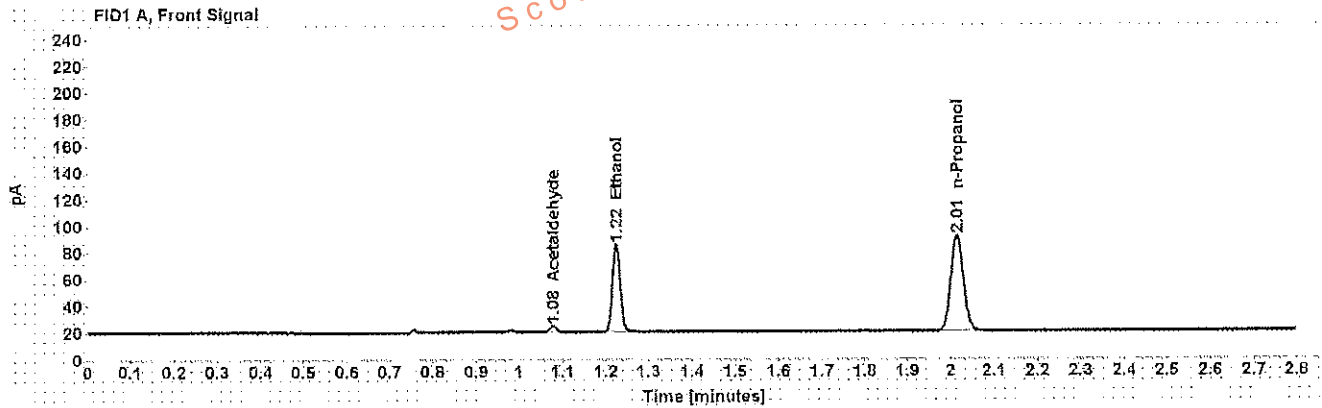


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.753     |
| >Ethanol     | 0.1521           | 1.224      | 84.361    |
| n-Propanol   | -----            | 2.015      | 146.777   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 5.067     |
| Ethanol      | 1.328      | 87.222    |
| n-Propanol   | 2.345      | 151.831   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                       | <b>Item number:</b> 1138366 |
| <b>Injection date:</b> 3/8/2017 8:05:18 PM      | <b>Vial:</b> 66             |
| <b>Method:</b> ethanol quant.M                  | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045        | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\11\Data\6Mar17\66.D |                             |

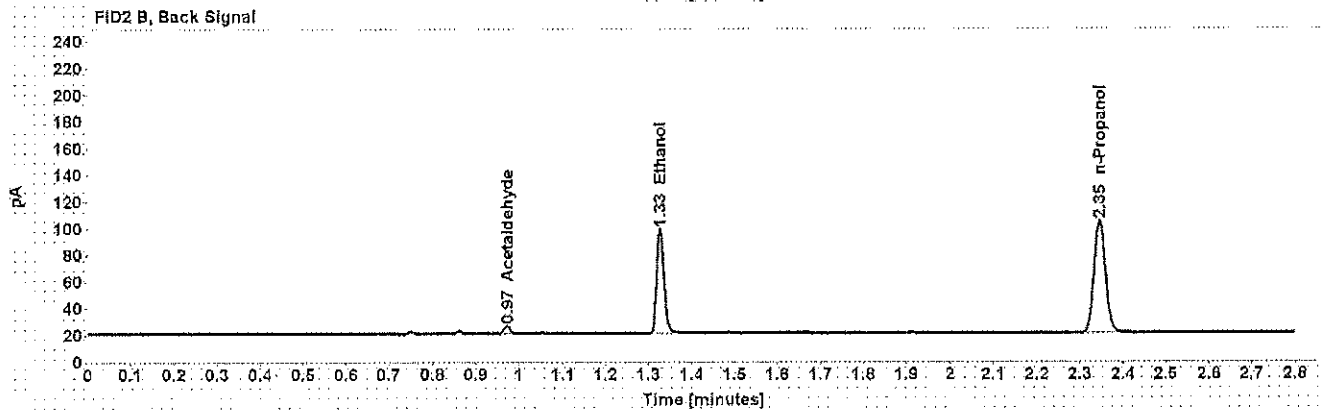
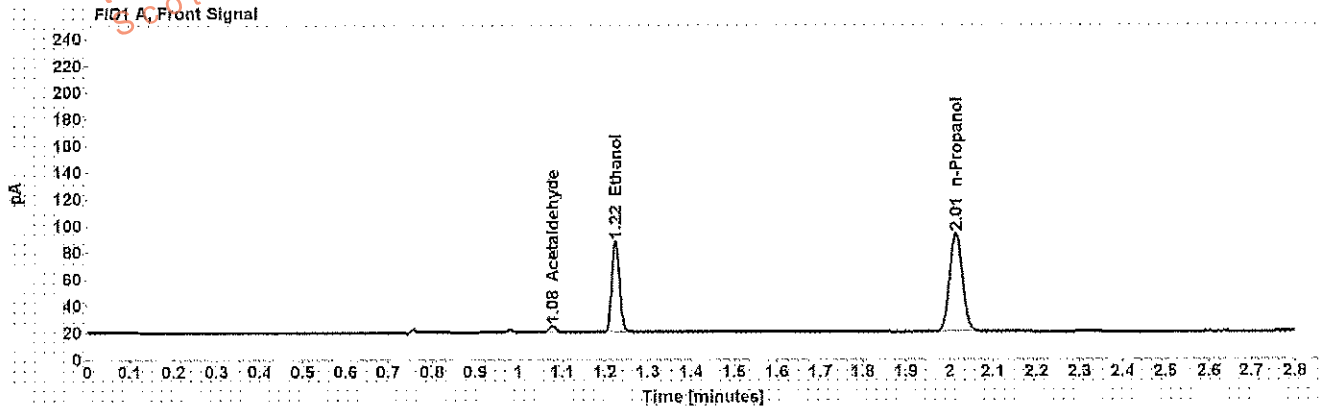


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4,919     |
| >Ethanol     | 0.1535           | 1.224      | 87.498    |
| n-Propanol   | -----            | 2.015      | 150.839   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 5,246     |
| Ethanol      | 1.328      | 90.402    |
| n-Propanol   | 2.345      | 156.097   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1138818 |
| Injection date: | 3/6/2017 8:09:32 PM          | Vial:        | 67      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem3211\Data\6Mar17\67.D |              |         |

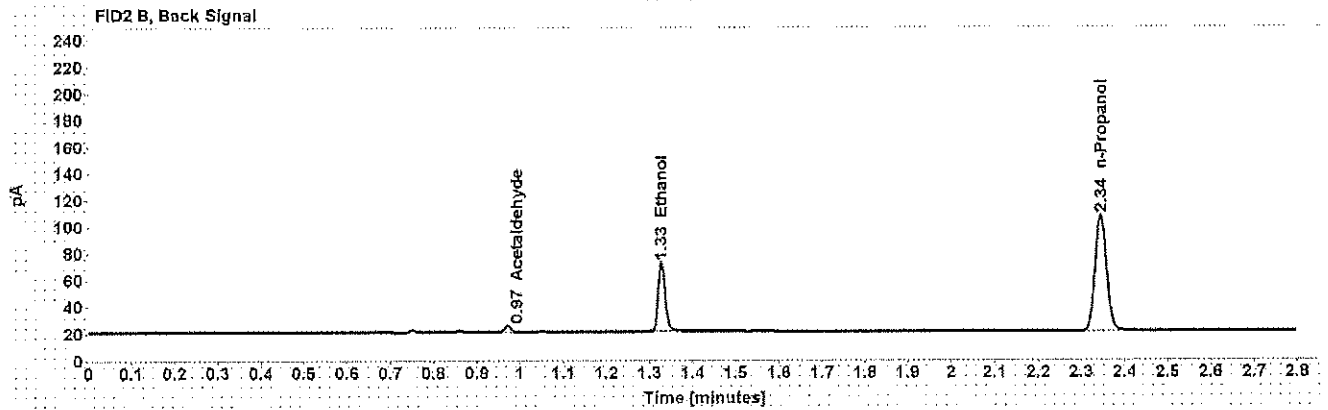
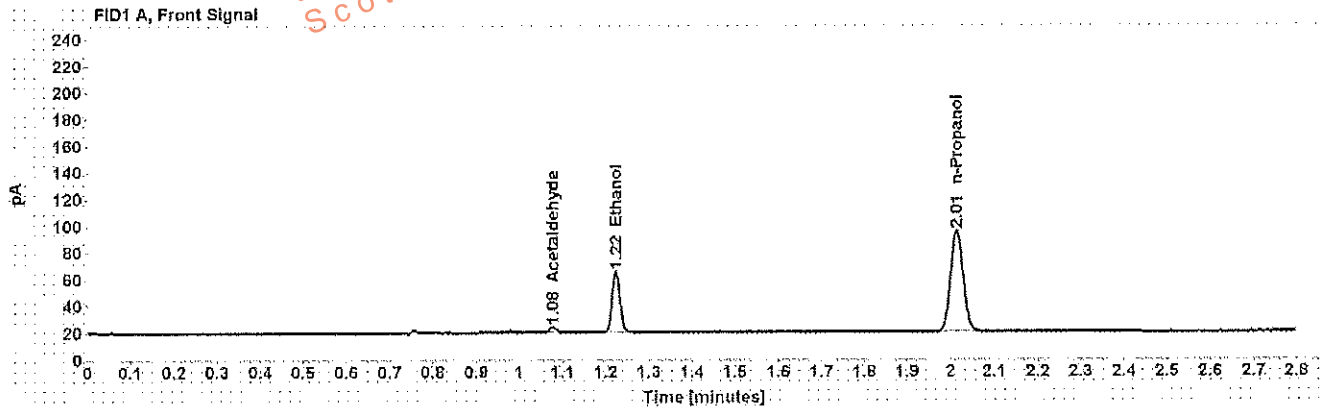


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.201     |
| >Ethanol     | 0.1005           | 1.224      | 58.551    |
| n-Propanol   | -----            | 2.014      | 155.166   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.504     |
| Ethanol      | 1.327      | 60.301    |
| n-Propanol   | 2.345      | 160.326   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1138818 |
| Injection date: 3/6/2017 8:13:33 PM     | Vial: 68             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem32\1\Data\6Mar17\68.D |                      |

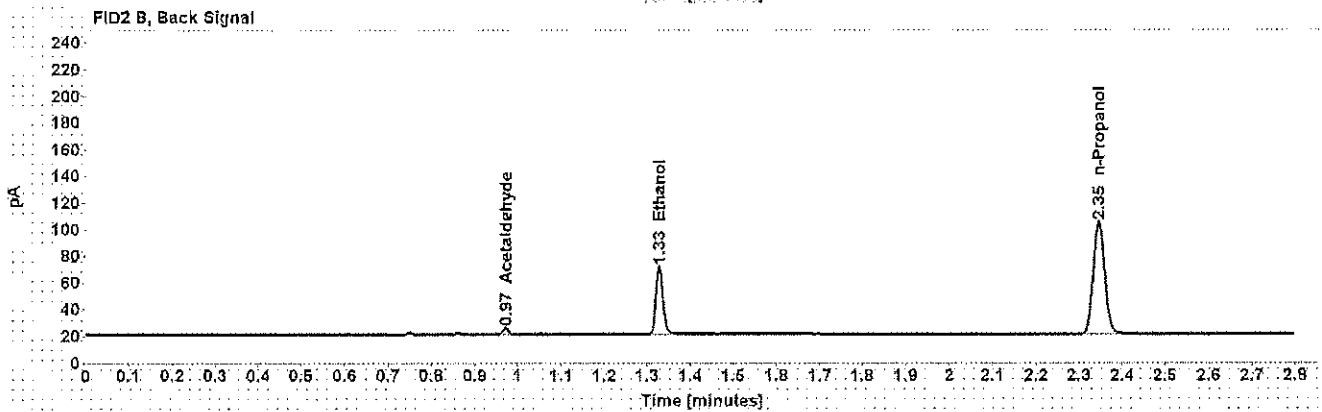
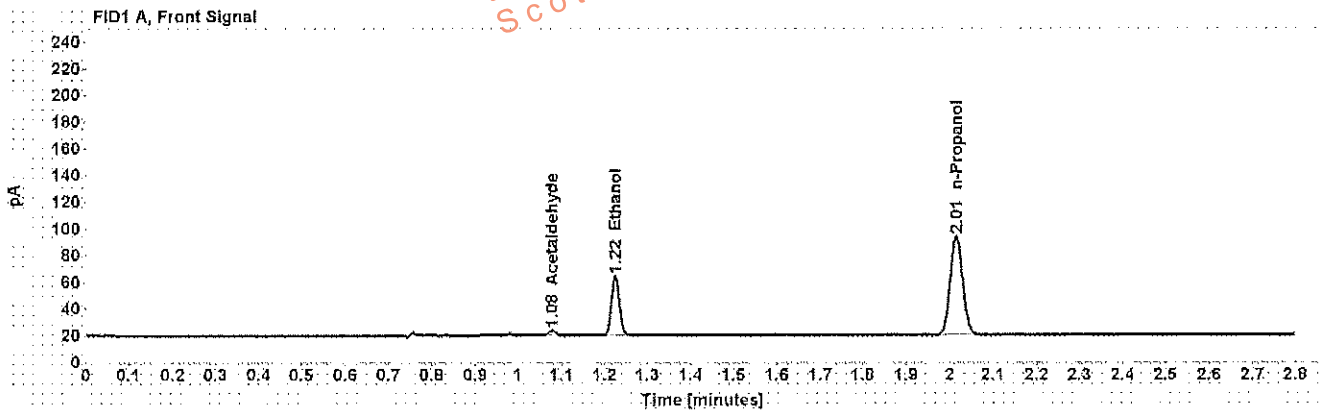


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.087     |
| >Ethanol     | 0.1004           | 1.225      | 57.020    |
| n-Propanol   | -----            | 2.015      | 151.188   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.334     |
| Ethanol      | 1.328      | 58.657    |
| n-Propanol   | 2.346      | 156.439   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                             |
|---|-----------------------------|
| <b>Sample:</b> [REDACTED]                       | <b>Item number:</b> 1137337 |
| <b>Injection date:</b> 3/6/2017 8:17:33 PM      | <b>Vial:</b> 69             |
| <b>Method:</b> ethanol quant.M                  | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045        | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\11\Data\6Mar17\69.D |                             |

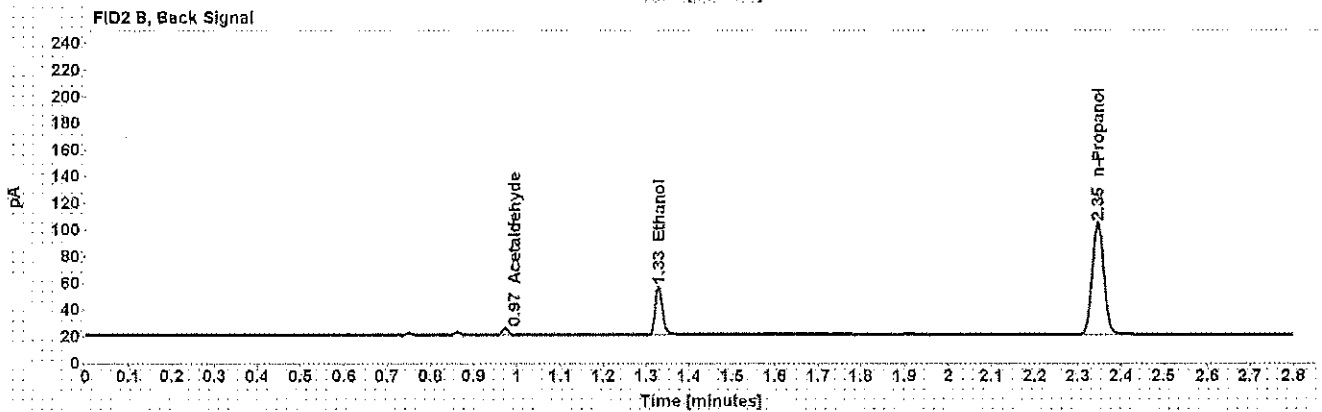
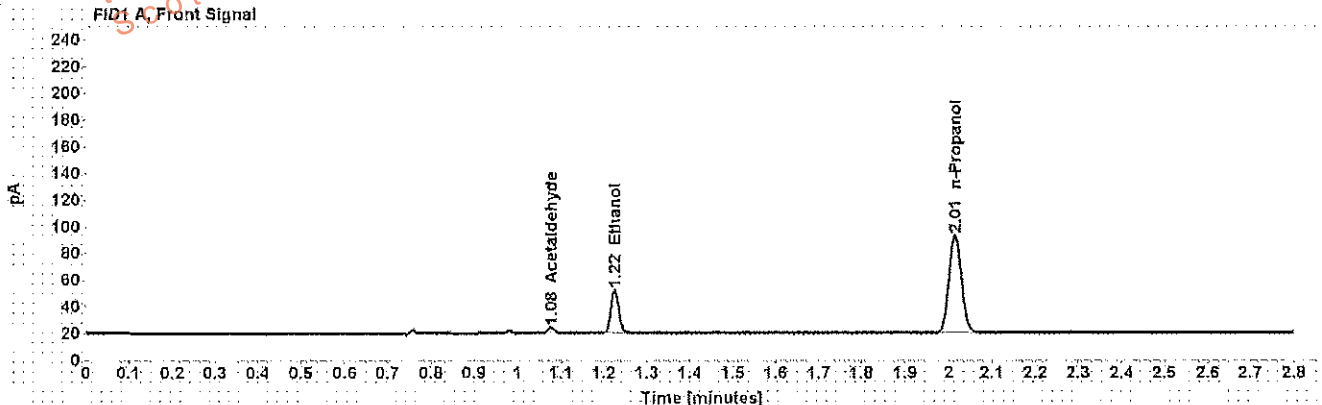


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.314     |
| >Ethanol     | 0.0731           | 1.225      | 40.867    |
| n-Propanol   | -----            | 2.015      | 149.900   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.604     |
| Ethanol      | 1.328      | 42.072    |
| n-Propanol   | 2.346      | 155.185   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                 |                              |              |         |
|-----------------|------------------------------|--------------|---------|
| Sample:         | [REDACTED]                   | Item number: | 1137337 |
| Injection date: | 3/6/2017 8:21:33 PM          | Vial:        | 70      |
| Method:         | ethanol quant.M              | Sequence:    | 6Mar17  |
| Instrument:     | US14173023 CN14160045        | Analyst:     | Adrian  |
| Data file:      | C:\Chem3211\Data\6Mar17\70.D |              |         |

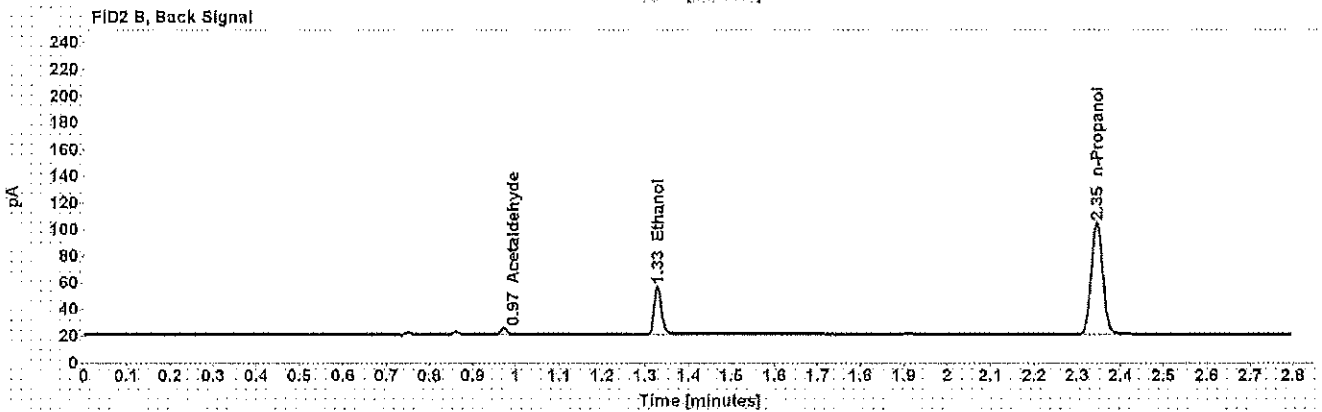
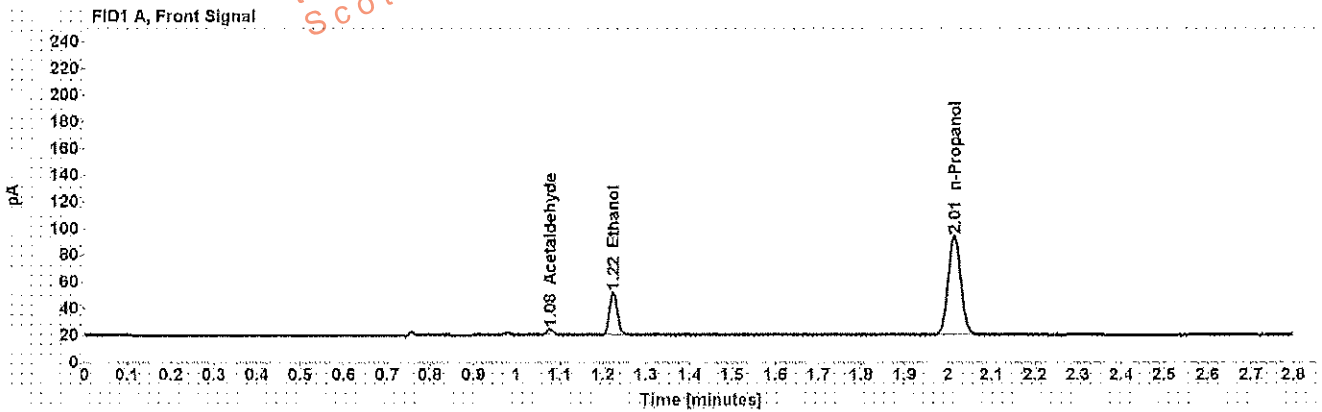


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.305     |
| >Ethanol     | 0.0726           | 1.225      | 40.827    |
| n-Propanol   | -----            | 2.014      | 150.650   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.605     |
| Ethanol      | 1.328      | 42.086    |
| n-Propanol   | 2.345      | 155.886   |



## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                      |
|--|----------------------|
| Sample: [REDACTED]                       | Item number: 1138890 |
| Injection date: 3/6/2017 8:25:33 PM      | Vial: 71             |
| Method: ethanol quant.M                  | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045        | Analyst: Adrian      |
| Data file: C:\Chem32\11\Data\6Mar17\71.D |                      |

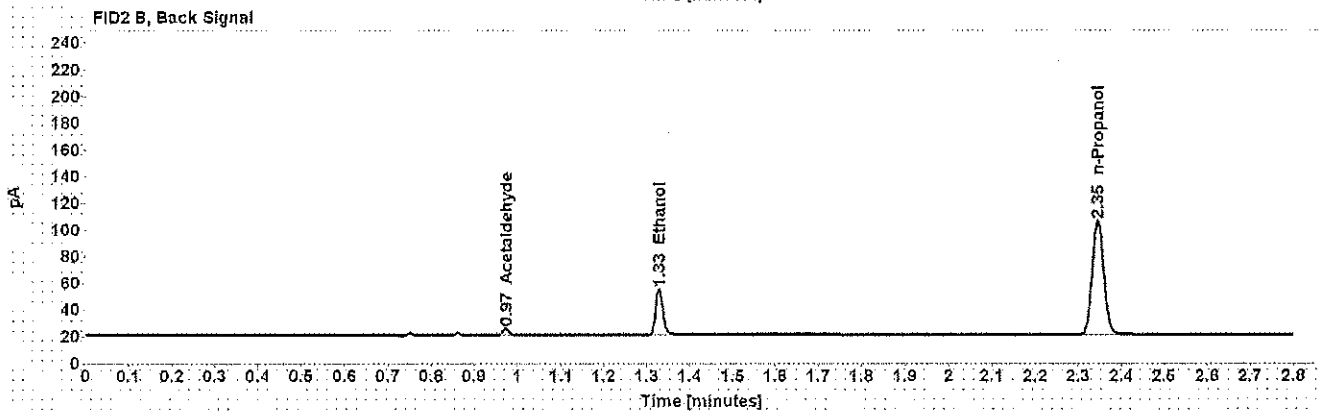
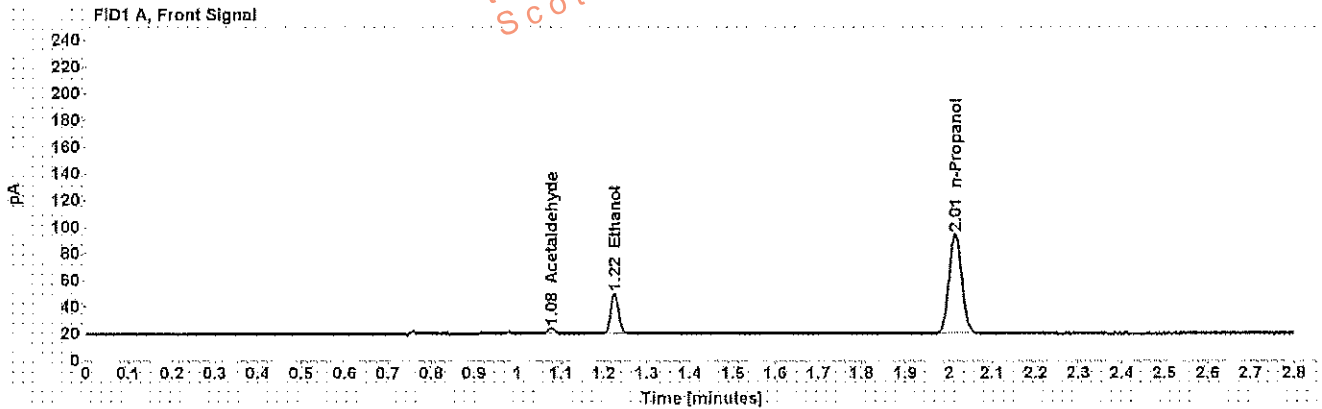


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.198     |
| >Ethanol     | 0.0681           | 1.225      | 38.816    |
| n-Propanol   | -----            | 2.015      | 153.021   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.477     |
| Ethanol      | 1.329      | 39.844    |
| n-Propanol   | 2.346      | 158.174   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|   |                      |
|---|----------------------|
| Sample: [REDACTED]                      | Item number: 1138890 |
| Injection date: 3/6/2017 8:29:33 PM     | Vial: 72             |
| Method: ethanol quant.M                 | Sequence: 6Mar17     |
| Instrument: US14173023 CN14160045       | Analyst: Adrian      |
| Data file: C:\Chem3211\Data\6Mar17\72.D |                      |

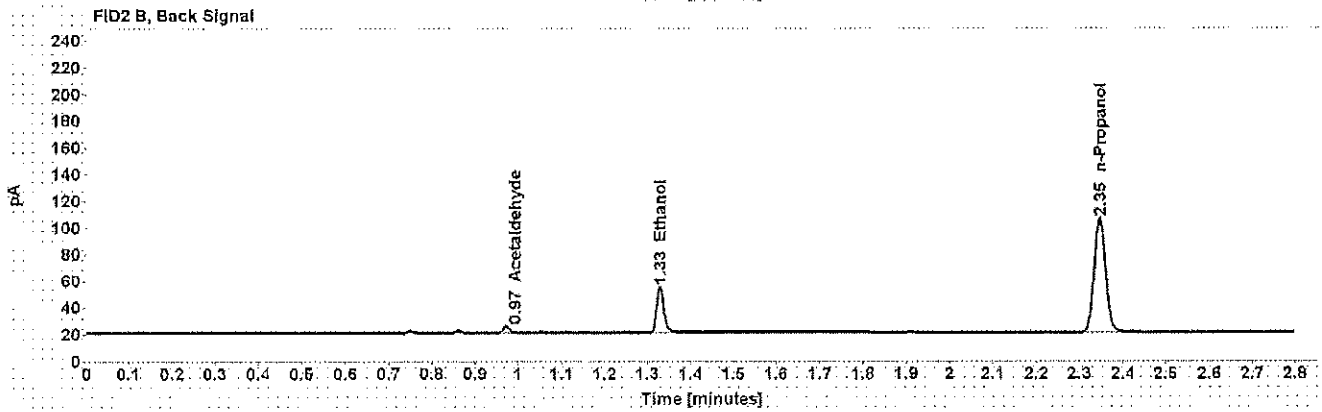
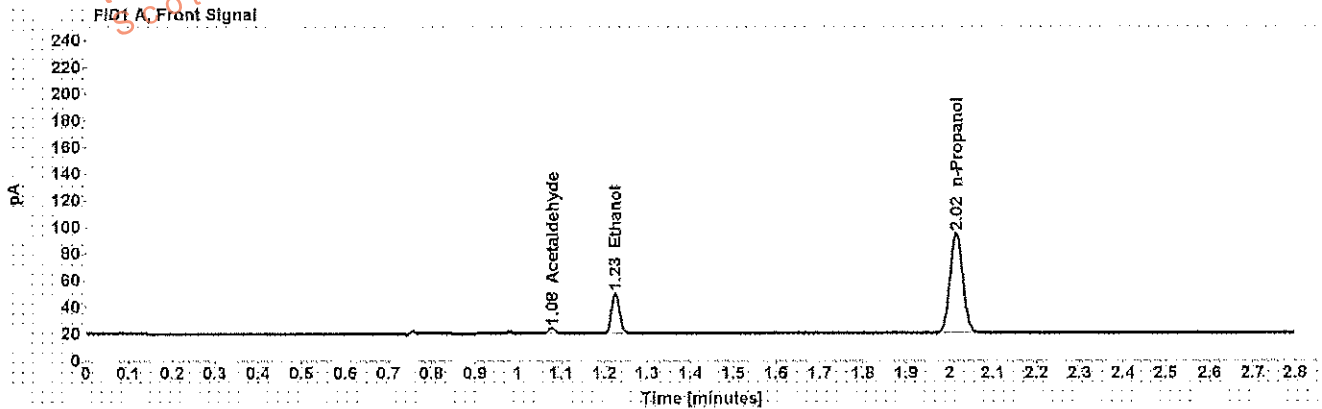


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 4.209     |
| >Ethanol     | 0.0682           | 1.225      | 38.975    |
| n-Propanol   | -----            | 2.015      | 153.418   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 4.501     |
| Ethanol      | 1.329      | 40.228    |
| n-Propanol   | 2.346      | 158.518   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|                           |                              |                     |         |
|---------------------------|------------------------------|---------------------|---------|
| <b>Sample:</b> [REDACTED] |                              | <b>Item number:</b> | 1137644 |
| <b>Injection date:</b>    | 3/6/2017 8:33:48 PM          | <b>Vial:</b>        | 73      |
| <b>Method:</b>            | ethanol quant.M              | <b>Sequence:</b>    | 6Mar17  |
| <b>Instrument:</b>        | US14173023 CN14160045        | <b>Analyst:</b>     | Adrian  |
| <b>Data file:</b>         | C:\Chem32\11Data\6Mar17\73.D |                     |         |

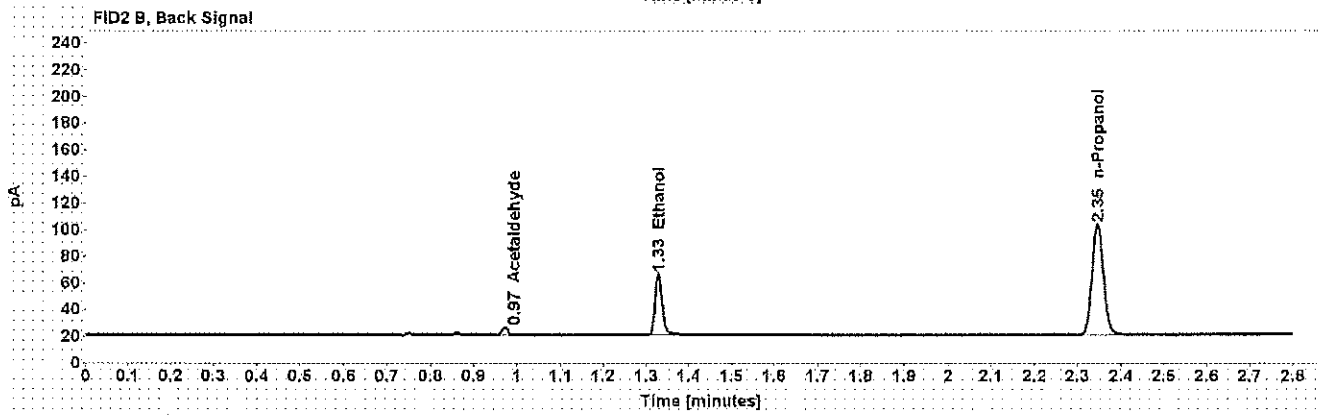
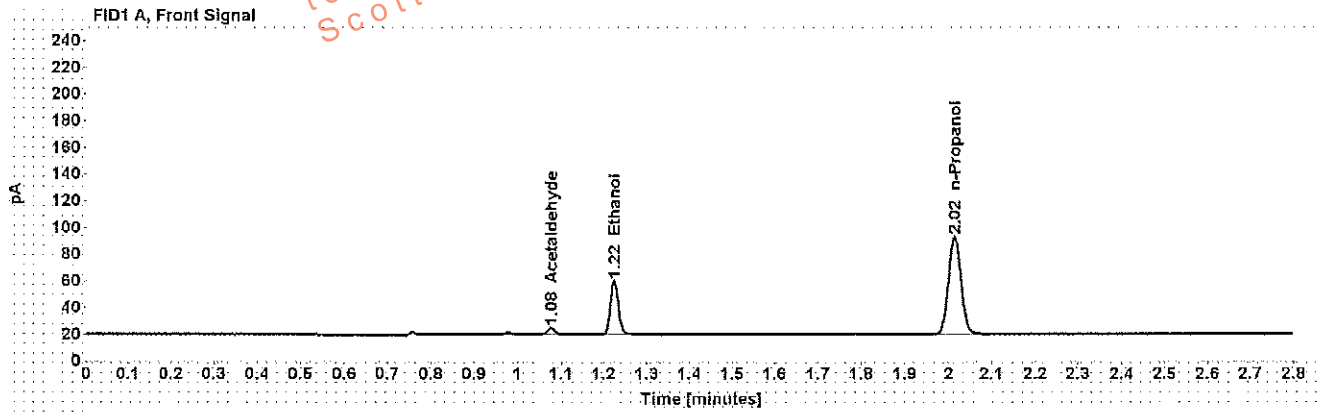


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 5.004     |
| >Ethanol     | 0.0914           | 1.225      | 51.022    |
| n-Propanol   | -----            | 2.015      | 148.961   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 5.302     |
| Ethanol      | 1.328      | 52.530    |
| n-Propanol   | 2.346      | 154.165   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1137644 |
| <b>Injection date:</b> 3/6/2017 8:37:48 PM     | <b>Vial:</b> 74             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem32\1\Data\6Mar17\74.D |                             |

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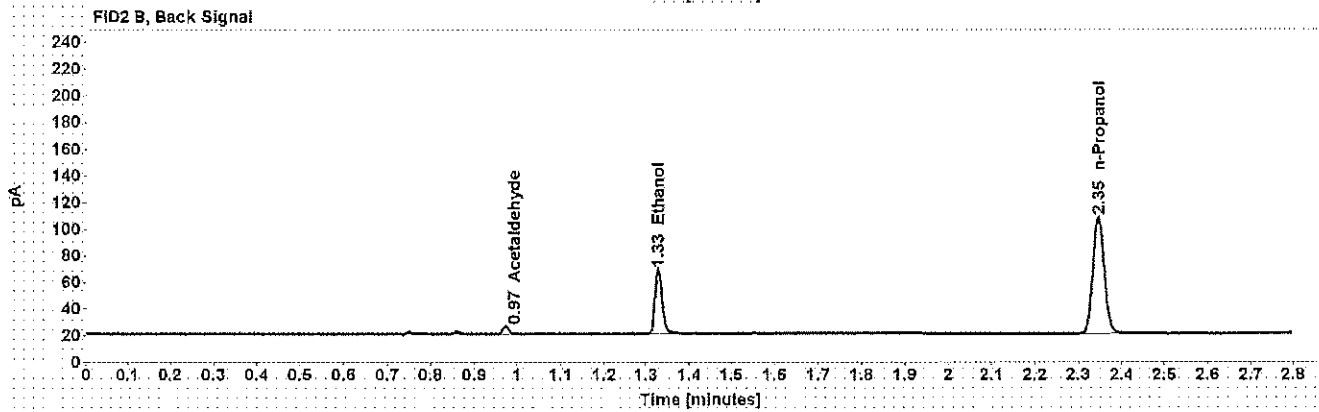
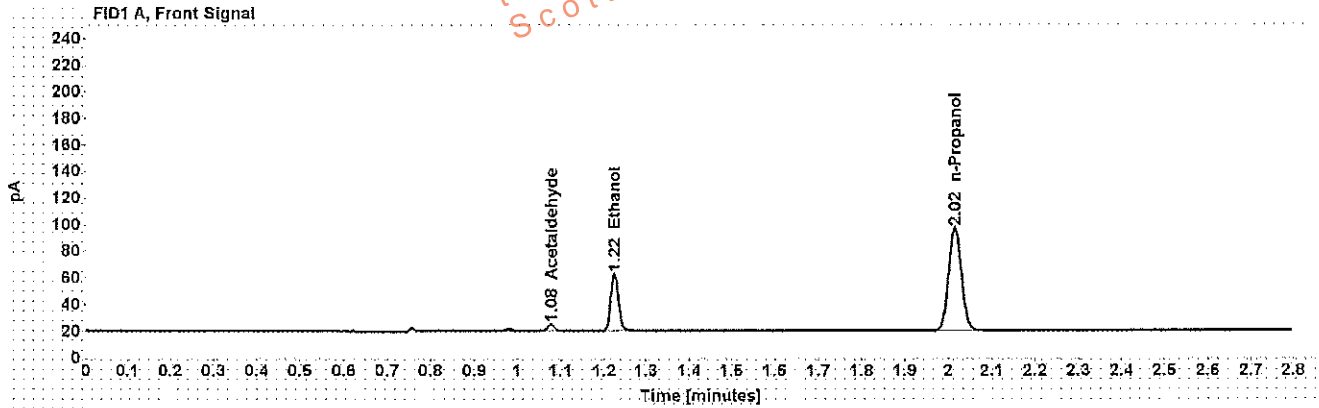


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 5.144     |
| >Ethanol     | 0.0926           | 1.225      | 54.574    |
| n-Propanol   | -----            | 2.015      | 157.147   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.973      | 5.427     |
| Ethanol      | 1.329      | 56.160    |
| n-Propanol   | 2.346      | 162.851   |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1138676 |
| <b>Injection date:</b> 3/6/2017 8:45:48 PM     | <b>Vial:</b> 76             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023 CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\76.D |                             |

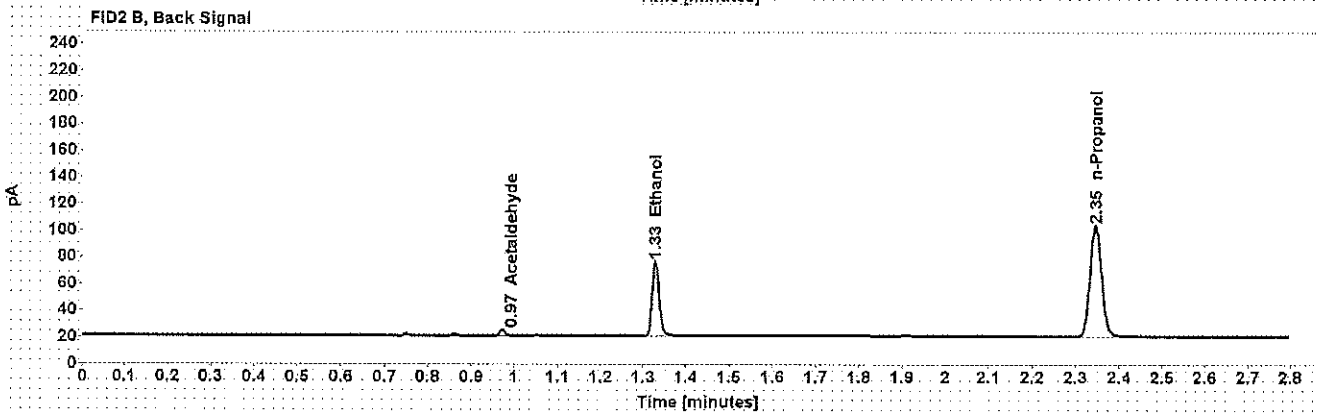
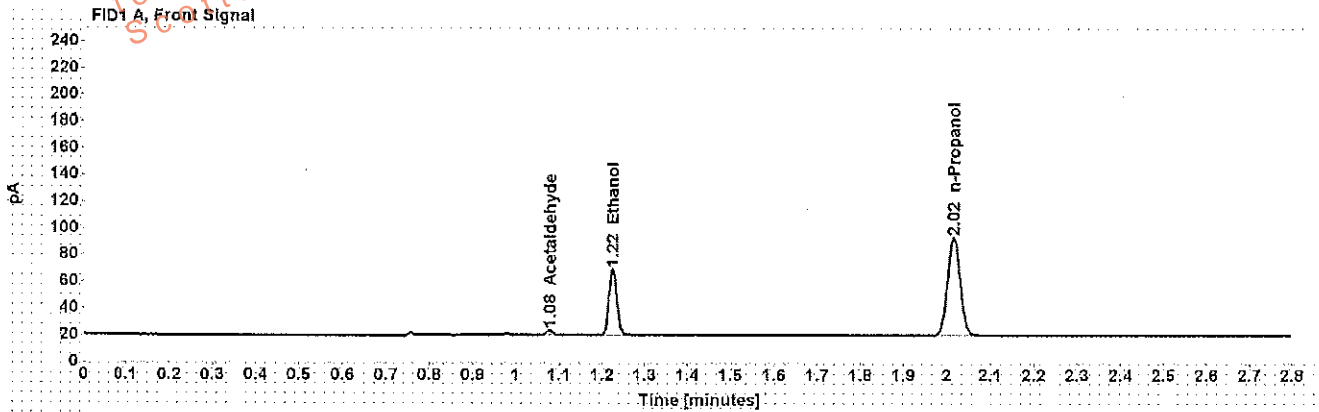


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount<br>(g/100mL) | Time<br>(min) | Peak<br>Area |
|--------------|---------------------|---------------|--------------|
| Acetaldehyde | -----               | 1.078         | 3.780        |
| >Ethanol     | 0.1117              | 1.225         | 62.895       |
| n-Propanol   | -----               | 2.015         | 149.610      |

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

| Compound     | Time<br>(min) | Peak<br>Area |
|--------------|---------------|--------------|
| Acetaldehyde | 0.973         | 4.035        |
| Ethanol      | 1.328         | 64.749       |
| n-Propanol   | 2.346         | 154.689      |

## Scottsdale Police Department Crime Lab Volatiles Analysis

|  |                             |
|--|-----------------------------|
| <b>Sample:</b> [REDACTED]                      | <b>Item number:</b> 1138676 |
| <b>Injection date:</b> 3/6/2017 8:49:48 PM     | <b>Vial:</b> 77             |
| <b>Method:</b> ethanol quant.M                 | <b>Sequence:</b> 6Mar17     |
| <b>Instrument:</b> US14173023.CN14160045       | <b>Analyst:</b> Adrian      |
| <b>Data file:</b> C:\Chem3211\Data\6Mar17\77.D |                             |

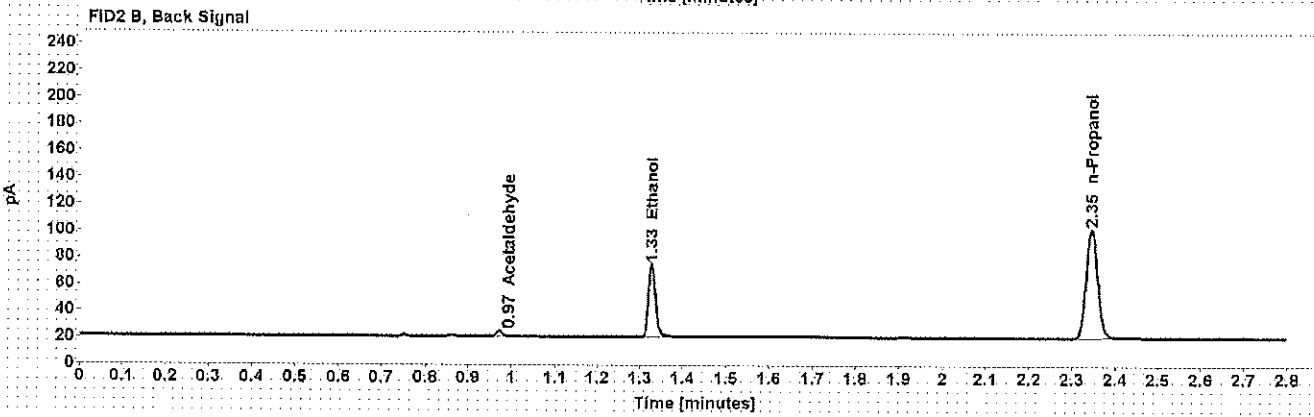
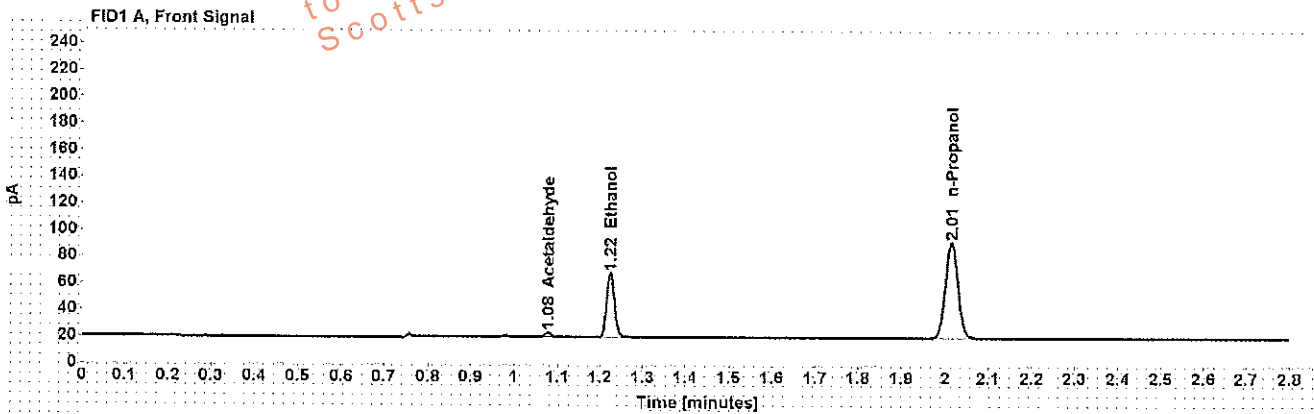


Table 1: FID 1 A (column DB-ALC1)

| Compound     | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | -----            | 1.078      | 3.773     |
| >Ethanol     | 0.1112           | 1.224      | 61.687    |
| n-Propanol   | -----            | 2.015      | 147.410   |

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

| Compound     | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.972      | 4.040     |
| Ethanol      | 1.328      | 63.683    |
| n-Propanol   | 2.345      | 152.284   |