

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 2/13/2018 SEQUENCE NAME 13Feb18

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r²)
 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 010318 |
| 6 | Volatiles mixture | 6 compounds | 6 compounds | SPD lab 020917WLA |
| 7 | Aqueous control | 0.400 g/dL | 0.406 g/dL | Lipomed 08012015-C |
| 8 | Aqueous control | 0.040 g/dL | 0.040 g/dL | Lipomed 09022015-A |
| 9 | Blood control | 0.198 g/dL | 0.200 g/dL | ACQ 407041529/3 |
| 20 | Aqueous control | 0.080 g/dL | 0.082 g/dL | Lipomed 28082014-B |
| 31 | Aqueous control | 0.150 g/dL | 0.153 g/dL | Lipomed 09022015-C |
| 42 | Blood control | 0.198 g/dL | 0.201 g/dL | ACQ 407041529/3 |
| 51 | Aqueous control | 0.400 g/dL | 0.411 g/dL | Lipomed 08012015-C |
| 52 | Aqueous control | 0.040 g/dL | 0.041 g/dL | Lipomed 09022015-A |
| 53 | Blood control | 0.198 g/dL | 0.203 g/dL | ACQ 407041529/3 |
| 54 | Blank | Not detected | Not detected | SPD lab 010318 |

SUBJECT SAMPLES

Subjects in the sequence 19 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid WABIS70 2/14/18 Analyst
 Run valid Run invalid KOSECKI 2/14/18 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

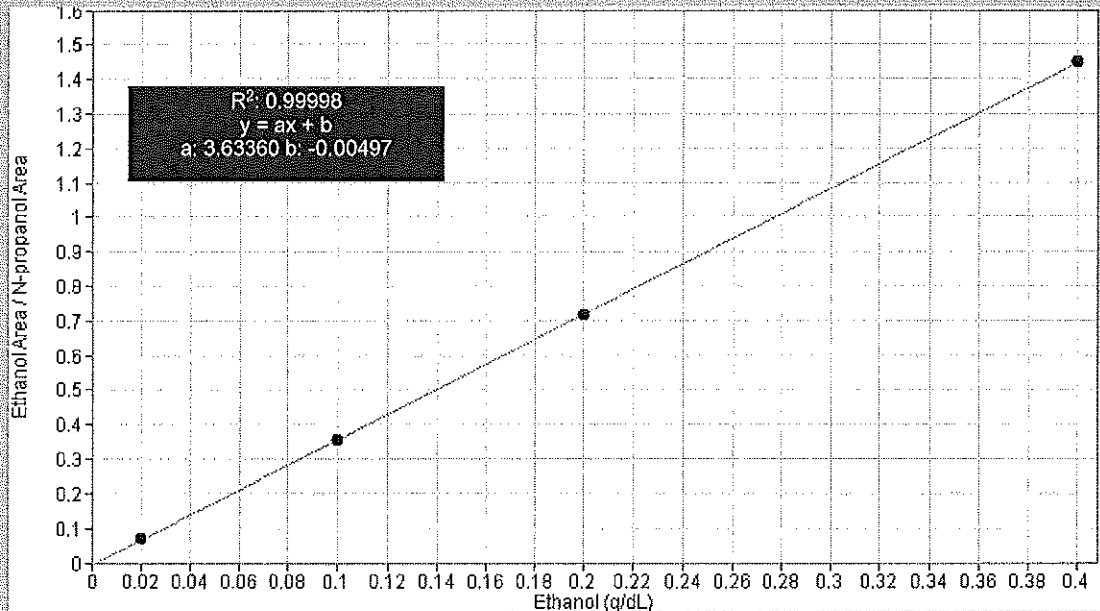
SEQUENCE NAME: 13Feb18

ANALYST: Adrian WA

| Sample Name | Vial | Measured Value (g/dL) | Expected Value (g/dL) | Percent Difference | Absolute Difference (g/dL) |
|--------------------------|------|-----------------------|-----------------------|--------------------|----------------------------|
| blank 010318 | 5 | negative | negative | - | - |
| 0.400 Lipomed 08012015-C | 7 | 0.406 | 0.400 | 1.50 | 0.006 |
| 0.040 Lipomed 09022015-A | 8 | 0.040 | 0.040 | 0.00 | 0.000 |
| 0.198 ACQ 407041529/3 | 9 | 0.200 | 0.198 | 1.01 | 0.002 |
| 0.080 Lipomed 28082014-B | 20 | 0.082 | 0.080 | 2.50 | 0.002 |
| 0.150 Lipomed 09022015-C | 31 | 0.153 | 0.150 | 2.00 | 0.003 |
| 0.198 ACQ 407041529/3 | 42 | 0.201 | 0.198 | 1.52 | 0.003 |
| 0.40 Lipomed 08012015-C | 51 | 0.411 | 0.400 | 2.75 | 0.011 |
| 0.04 Lipomed 09022015-A | 52 | 0.041 | 0.040 | 2.50 | 0.001 |
| 0.198 ACQ 407041529/3 | 53 | 0.203 | 0.198 | 2.53 | 0.005 |
| blank 010318 | 54 | negative | negative | - | - |

| Calibrator | Ethanol Area | N-propanol Area | Ratio |
|------------|--------------|-----------------|-------|
| 0.020 | 12.231 | 173.215 | 0.071 |
| 0.100 | 62.647 | 175.848 | 0.356 |
| 0.200 | 125.409 | 174.316 | 0.719 |
| 0.400 | 253.709 | 174.970 | 1.450 |

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

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

WA

| | |
|---|-------------------|
| Sample: 0.020 Cerilliant FN03241604 | Item number: 1 |
| Injection date: 2/13/2018 8:56:42 AM | Vial: 1 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\1.D | |

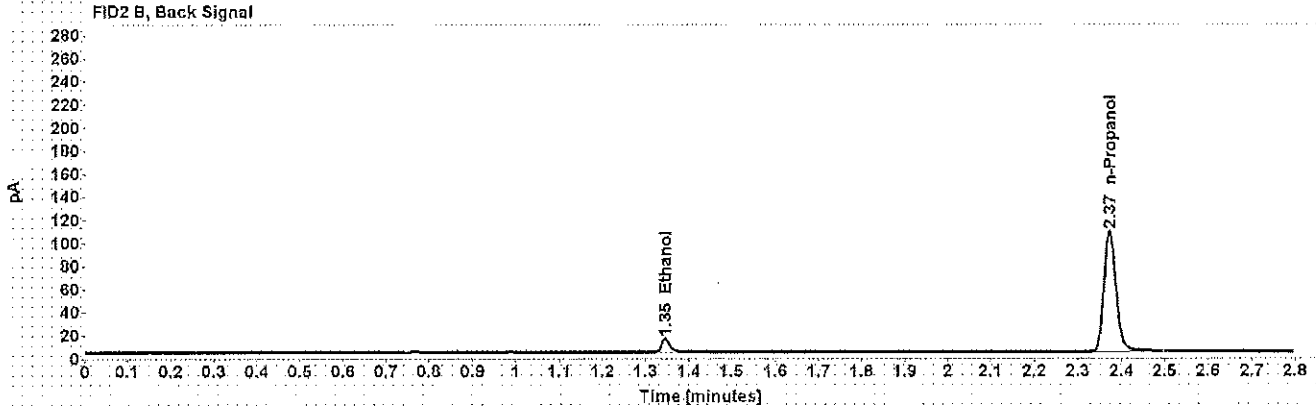
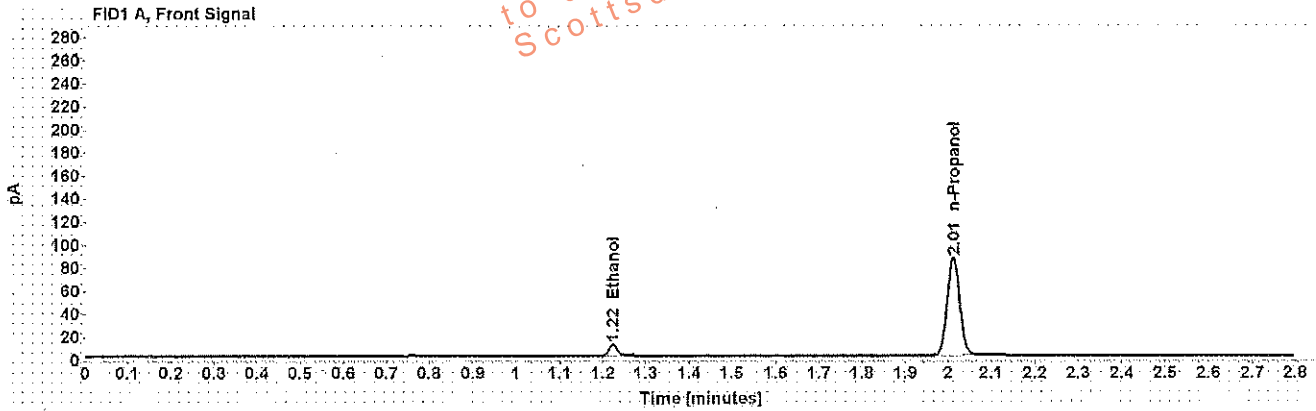


Table 1: FID 1 A (column DB-ALC1)

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.224 | 12.231 |
| n-Propanol | 2.011 | 173.215 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.345 | 14.040 |
| n-Propanol | 2.373 | 200.736 |

Scottsdale Police Department Crime Lab Volatiles Analysis

W4

| | |
|--|--------------------------|
| Sample: 0.100 Cerilliant FN06181501 | Item number: |
| Injection date: 2/13/2018 9:00:41 AM | Vial: 2 |
| Method: ethanol quant M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\2.D | |

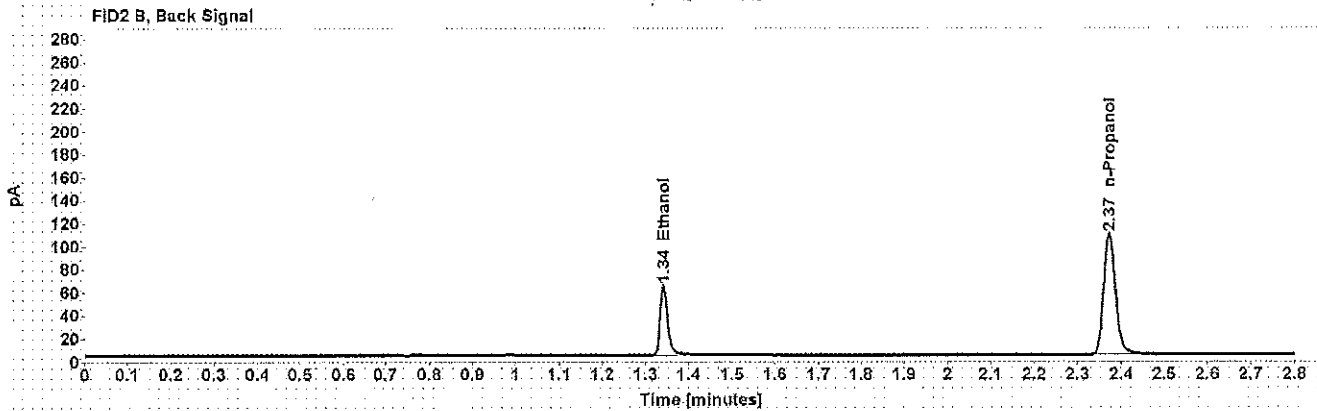
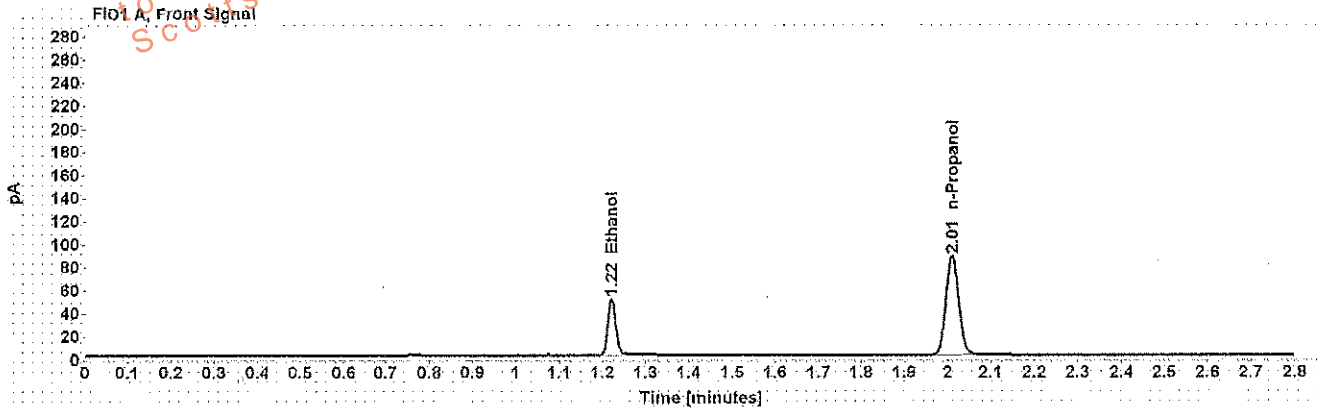


Table 1: FID 1 A (column DB-ALC1)

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.221 | 62.647 |
| n-Propanol | 2.011 | 175.848 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.341 | 74.166 |
| n-Propanol | 2.372 | 203.427 |

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

| | |
|---|-------------------|
| Sample: 0.200 Cerilliant FN07201502 | Item number: |
| Injection date: 2/13/2018 9:04:42 AM | Vial: 3 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\3.D | |

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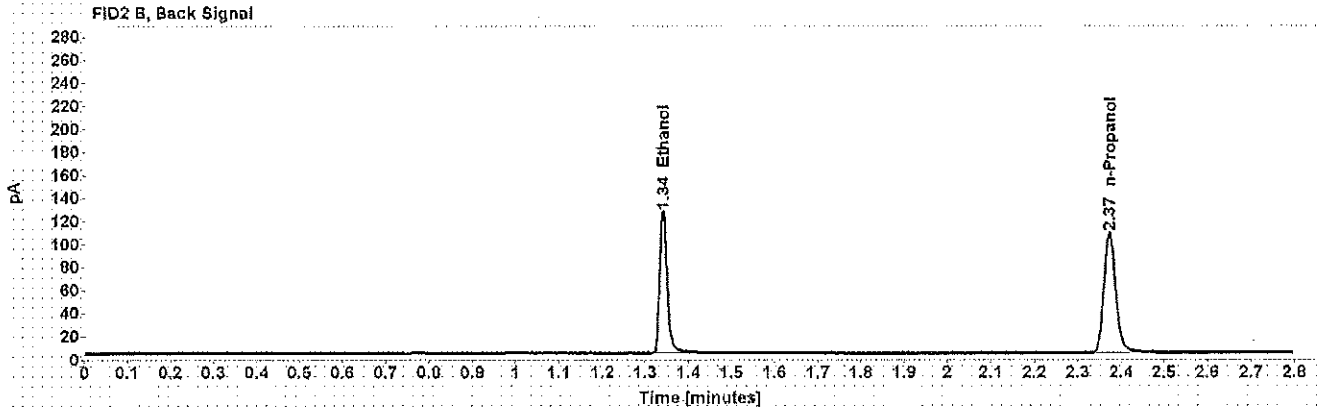
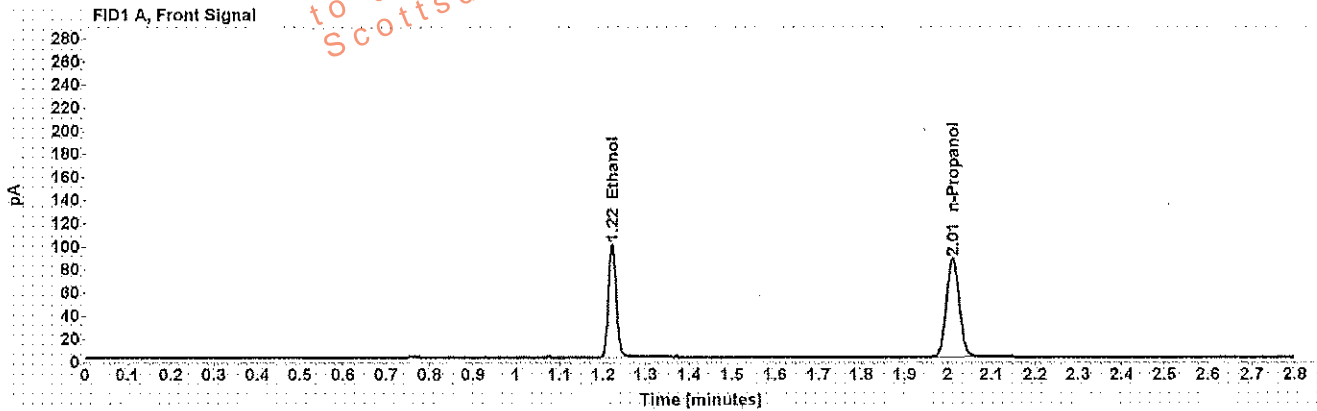


Table 1: FID 1 A (column DB-ALC1)

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.221 | 125.409 |
| n-Propanol | 2.011 | 174.316 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.341 | 148.992 |
| n-Propanol | 2.373 | 201.658 |

Scottsdale Police Department Crime Lab Volatiles Analysis

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LM4

| | |
|---|-------------------|
| Sample: 0.400 Cerilliant FN11191402 | Item number: |
| Injection date: 2/13/2018 9:08:42 AM | Vial: 4 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\4.D | |

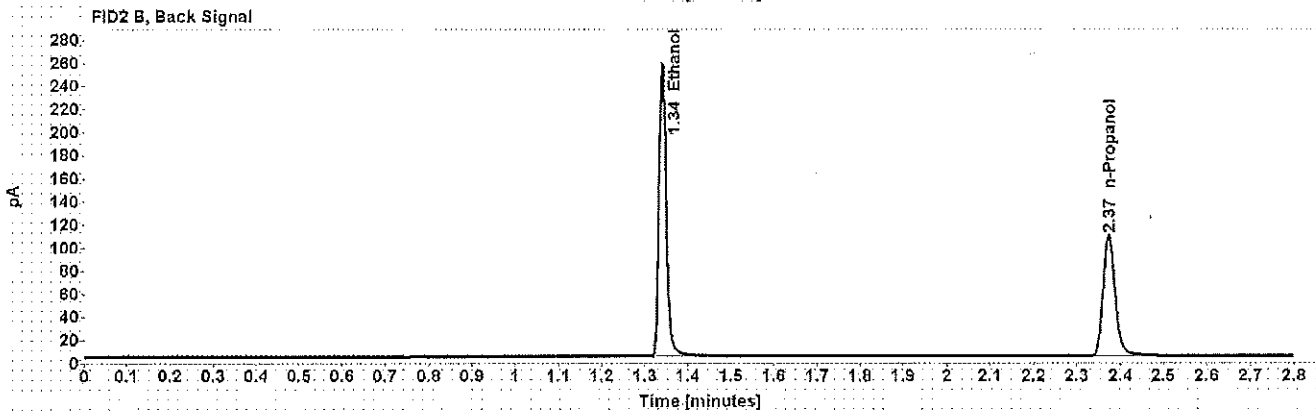
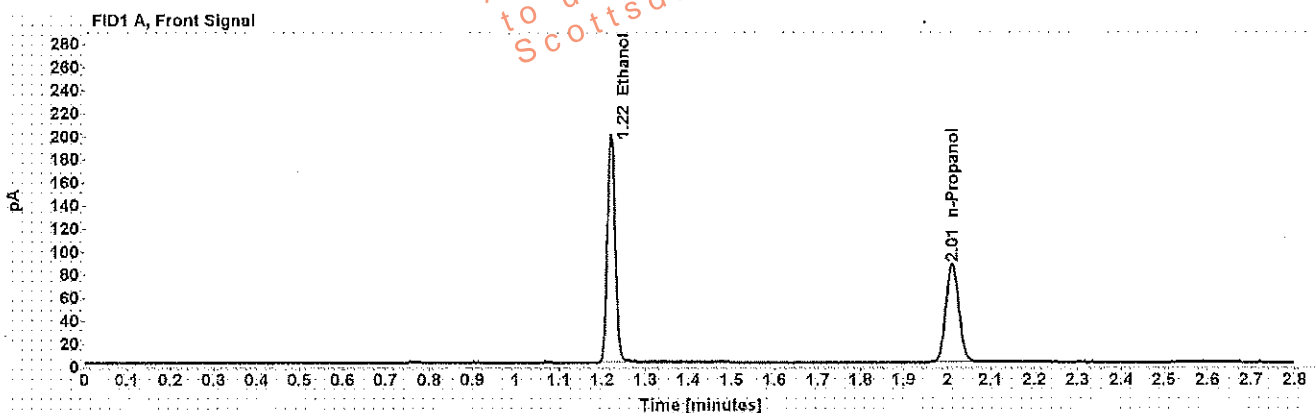


Table 1: FID 1 A (column DB-ALC1)

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.221 | 253.709 |
| n-Propanol | 2.011 | 174.970 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.341 | 303.708 |
| n-Propanol | 2.373 | 202.848 |

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

| | |
|--|--------------------------|
| Sample: blank 010318 | Item number: |
| Injection date: 2/13/2018 9:12:41 AM | Vial: 5 |
| Method: ethanol quant M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\5.D | |

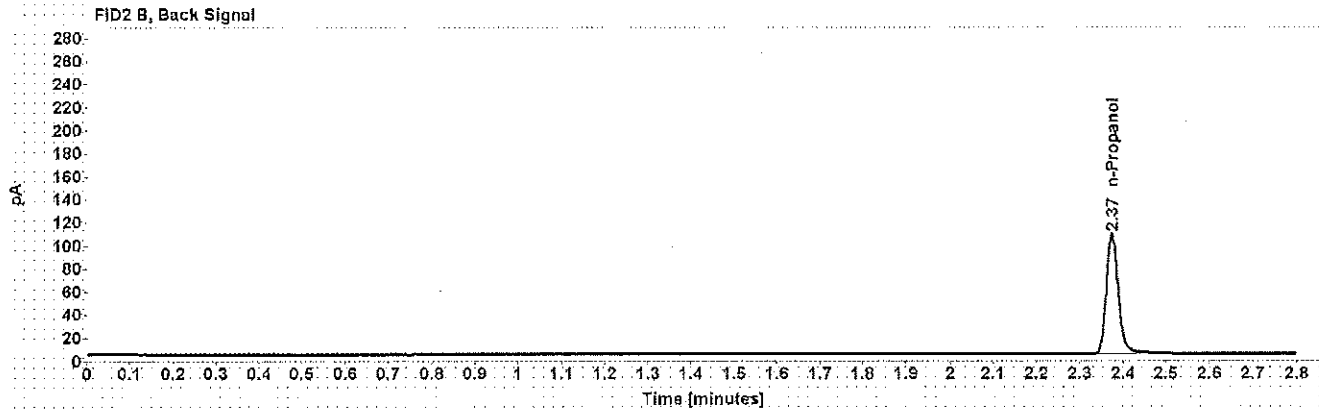
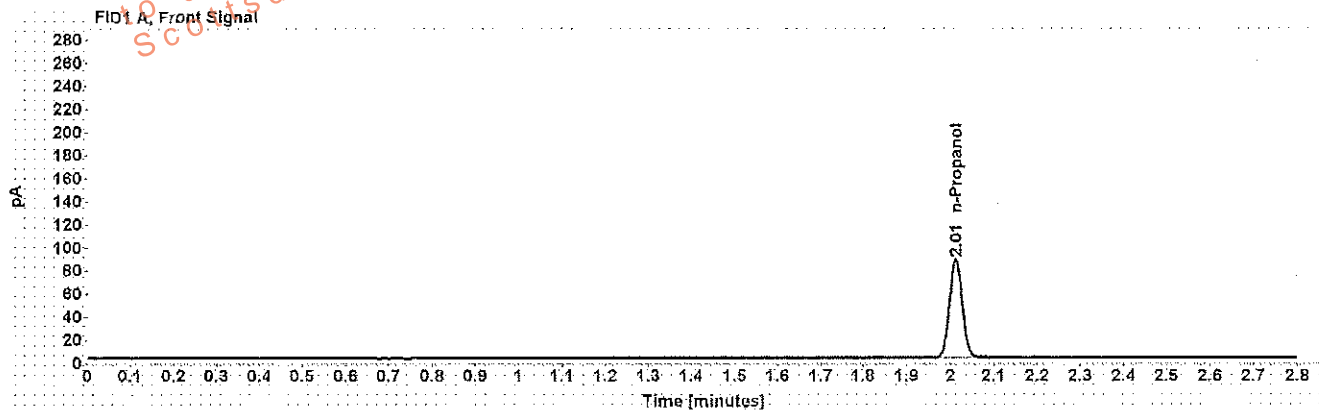


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| n-Propanol | ----- | 2.012 | 174.676 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| n-Propanol | 2.374 | 201.439 |

Scottsdale Police Department Crime Lab Volatiles Analysis

W4

| | |
|--|--------------------------|
| Sample: volatiles mix 020917 WLA | Item number: |
| Injection date: 2/13/2018 9:16:41 AM | Vial: 6 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\6.D | |

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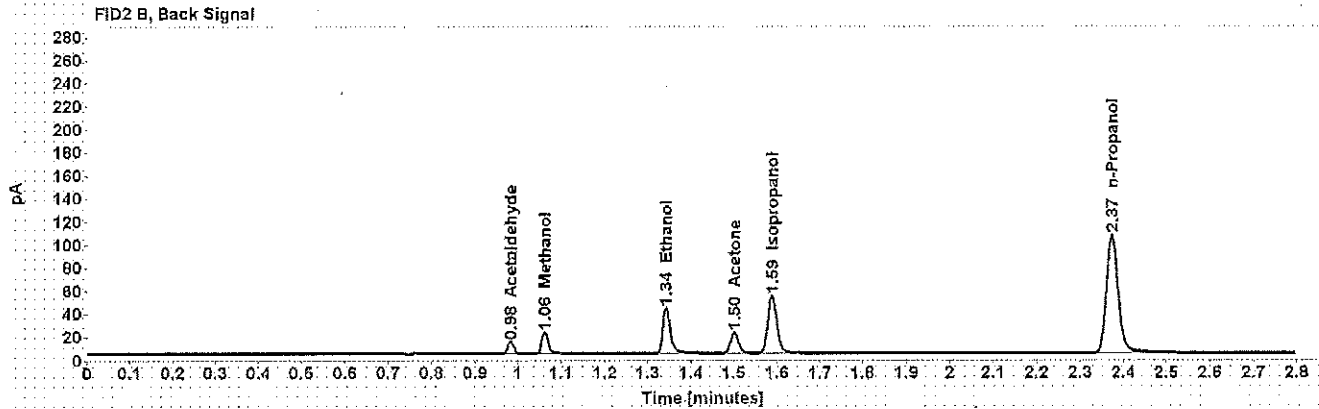
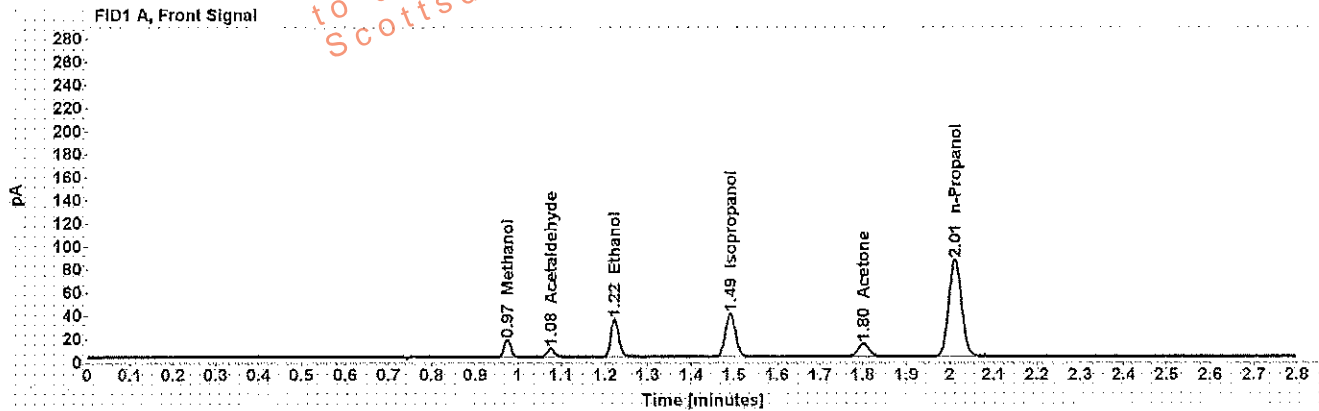


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Methanol | ----- | 0.974 | 16.433 |
| Acetaldehyde | ----- | 1.076 | 7.902 |
| >Ethanol | 0.0685 | 1.222 | 41.946 |
| Isopropanol | ----- | 1.491 | 61.138 |
| Acetone | ----- | 1.801 | 19.827 |
| n-Propanol | ----- | 2.011 | 171.953 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.982 | 9.880 |
| Methanol | 1.062 | 19.548 |
| Ethanol | 1.343 | 48.960 |
| Acetone | 1.500 | 22.591 |
| Isopropanol | 1.588 | 73.141 |
| n-Propanol | 2.373 | 198.769 |

Scottsdale Police Department Crime Lab Volatiles Analysis

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WAF

| | |
|--|-------------------|
| Sample: 0.400 Lipomed 08012015-C | Item number: |
| Injection date: 2/13/2018 9:20:56 AM | Vial: 7 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\7.D | |

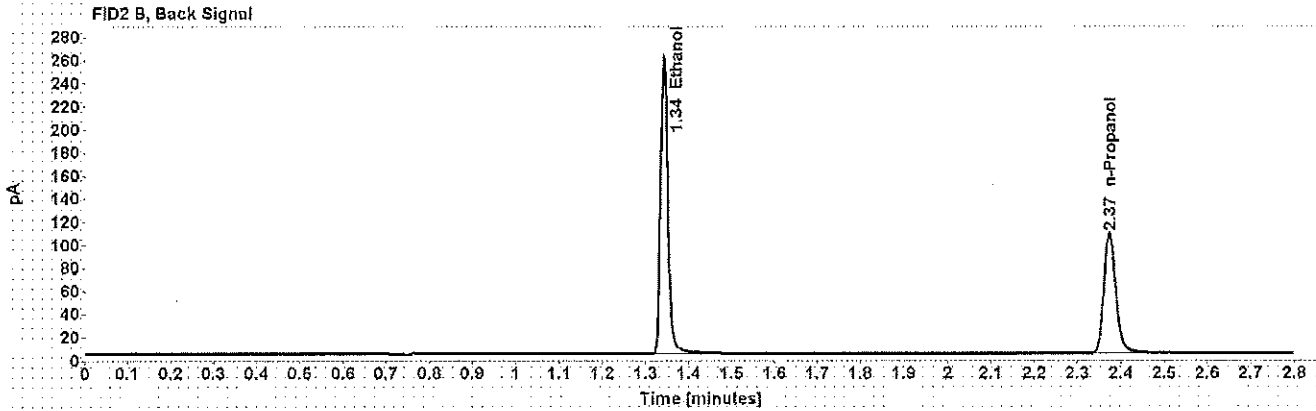
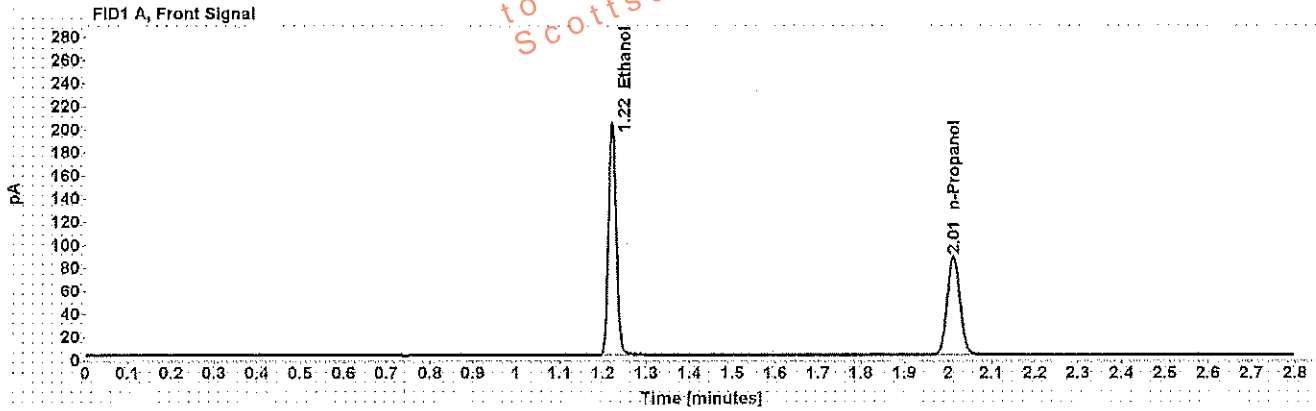


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.4063 | 1.222 | 257.520 |
| n-Propanol | ----- | 2.012 | 175.025 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.342 | 307.588 |
| n-Propanol | 2.374 | 202.692 |

Scottsdale Police Department Crime Lab Volatiles Analysis

h/A

| | |
|---|--------------------------|
| Sample: 0.040 Lipomed 09022015-A | Item number: |
| Injection date: 2/13/2018 9:24:56 AM | Vial: 8 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
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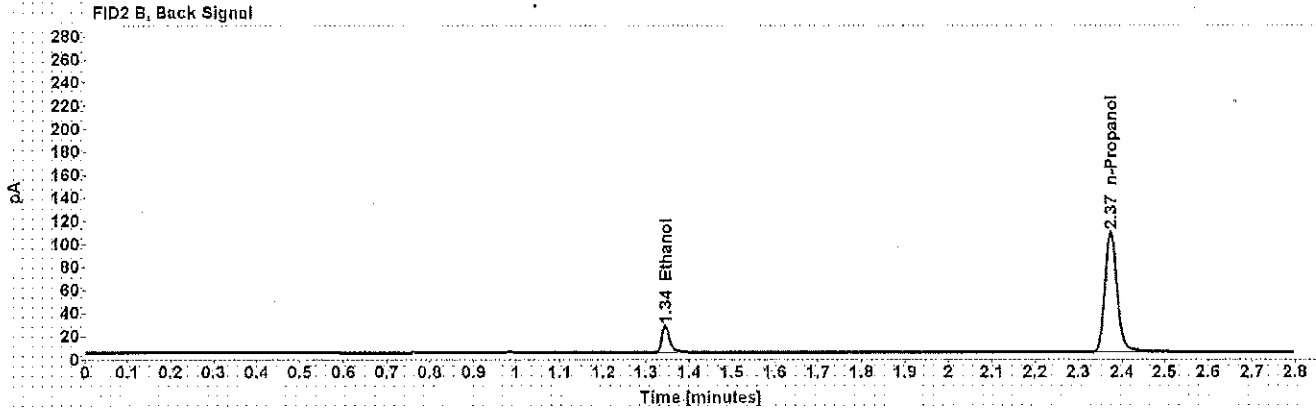
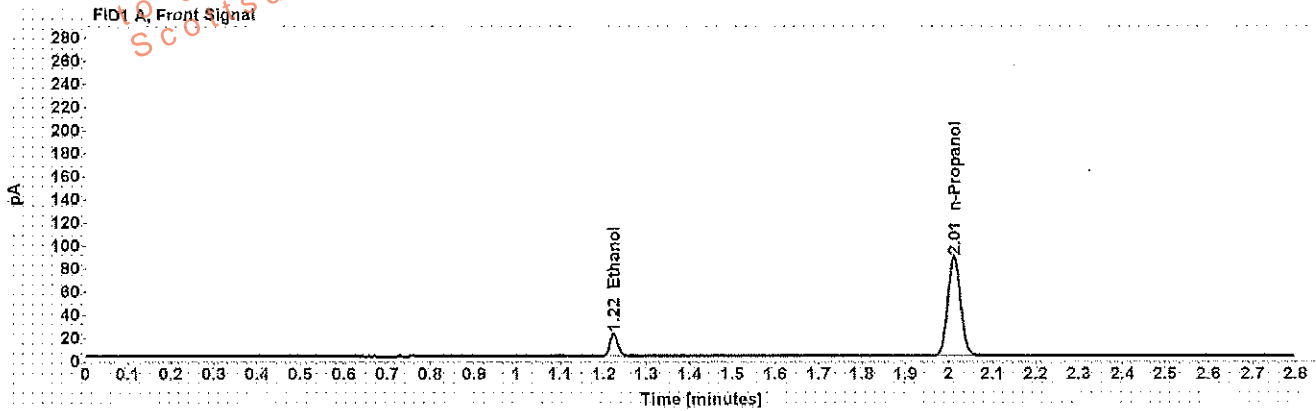


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0403 | 1.223 | 24.850 |
| n-Propanol | ----- | 2.012 | 175.447 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.344 | 28.702 |
| n-Propanol | 2.374 | 202.861 |

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

| | |
|---|-------------------|
| Sample: 0.198 ACQ 407041529/3 | Item number: |
| Injection date: 2/13/2018 9:28:57 AM | Vial: 9 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\9.D | |

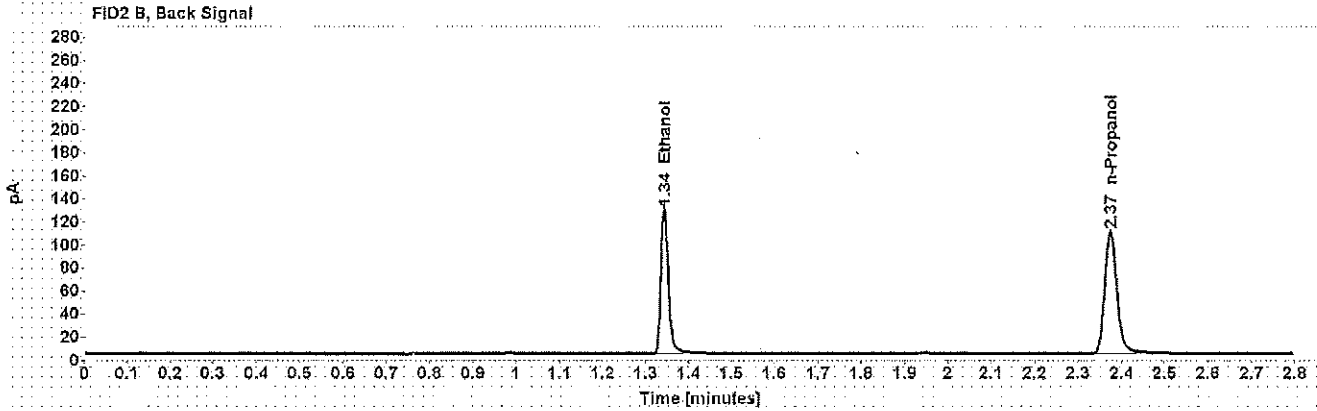
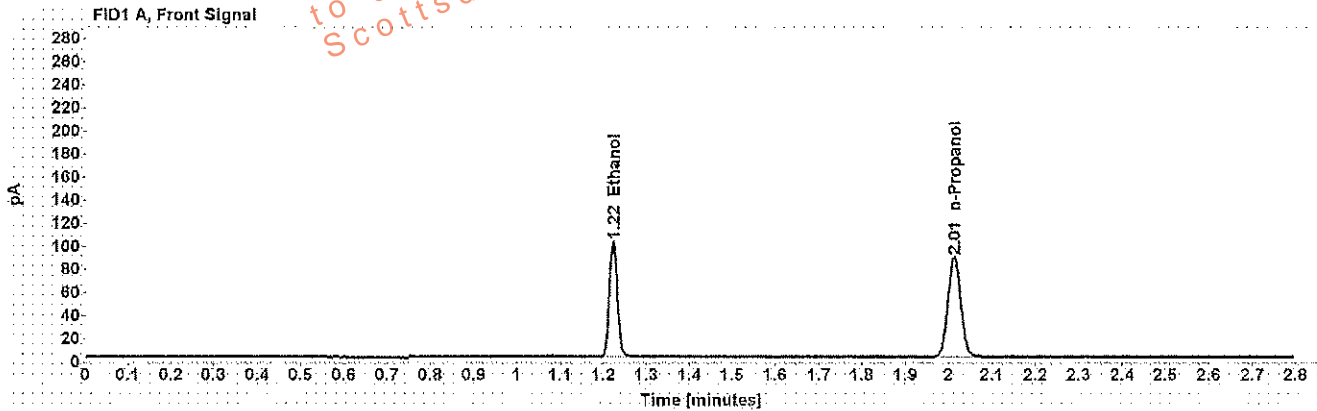


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.2009 | 1.223 | 128.489 |
| n-Propanol | ----- | 2.012 | 177.197 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.343 | 152.573 |
| n-Propanol | 2.375 | 205.457 |

Scottsdale Police Department Crime Lab Volatiles Analysis

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 Scottsdale City Prosecutor

w4

| | |
|---|---------------------------|
| Sample: 0.080 Lipomed 28082014-B | Item number: _____ |
| Injection date: 2/13/2018 10:13:26 AM | Vial: 20 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\20.D | |

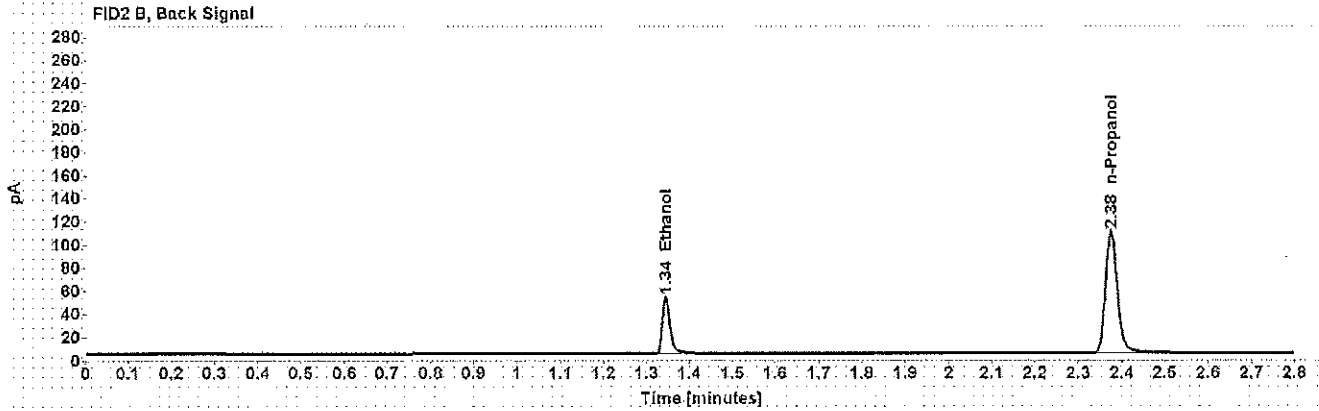
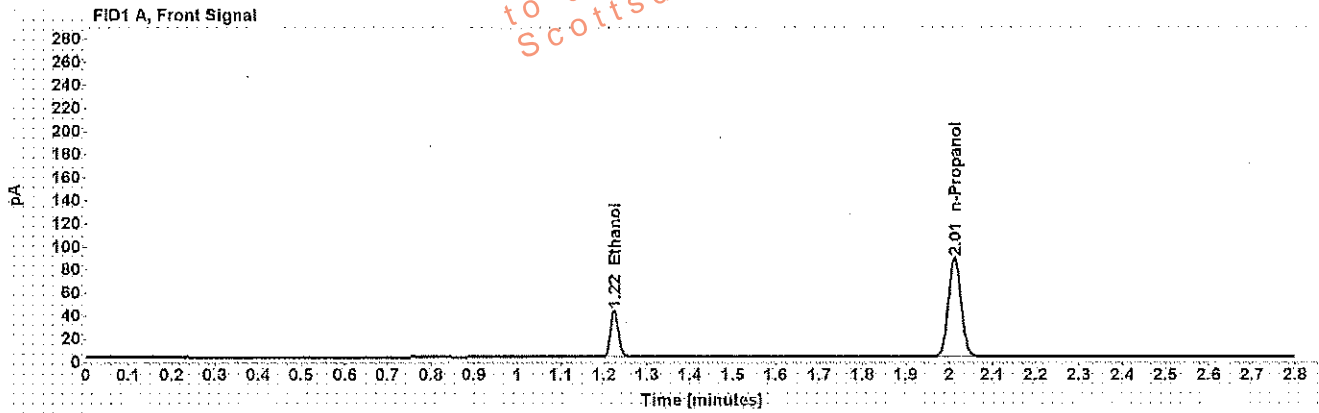


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0823 | 1.224 | 51.648 |
| n-Propanol | ----- | 2.013 | 175.659 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.345 | 60.917 |
| n-Propanol | 2.375 | 204.324 |

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

| | |
|---|--------------------------|
| Sample: 0.150 Lipomed 09022015-C | Item number: |
| Injection date: 2/13/2018 10:57:57 AM | Vial: 31 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
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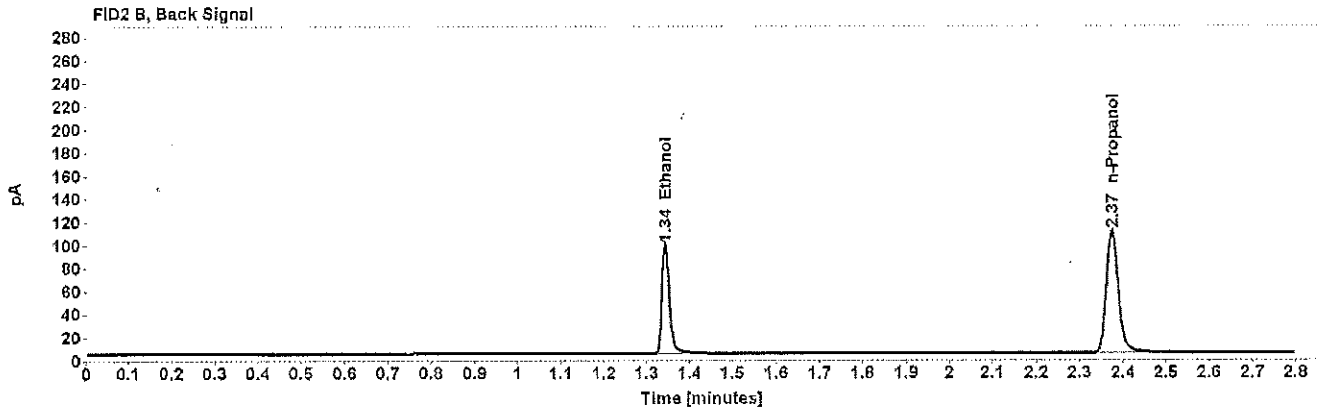
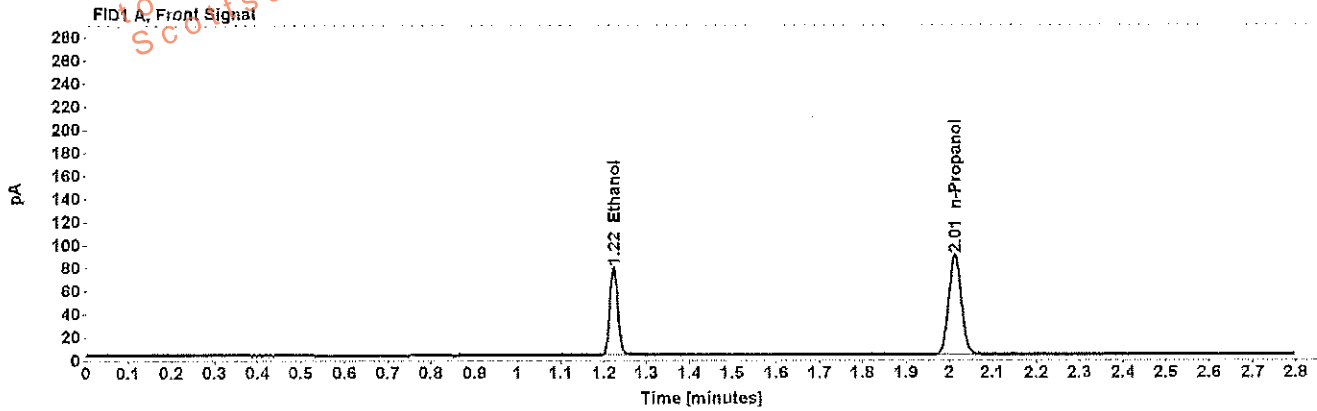


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.1539 | 1.223 | 97.683 |
| n-Propanol | ----- | 2.012 | 176.257 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.344 | 115.792 |
| n-Propanol | 2.375 | 205.637 |

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

| | |
|--|-------------------|
| Sample: 0.198 ACQ 407041529/3 | Item number: |
| Injection date: 2/13/2018 11:42:11 AM | Vial: 42 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\42.D | |

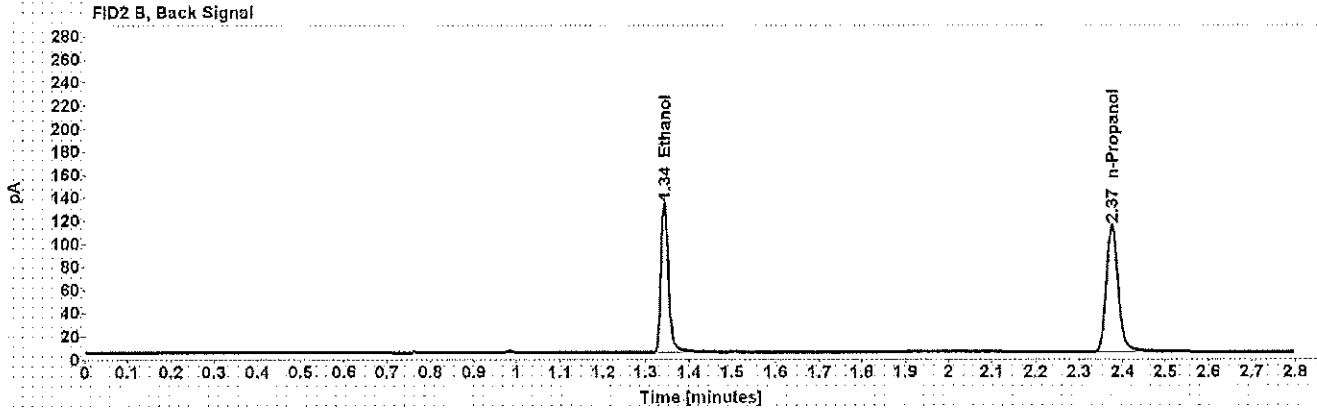
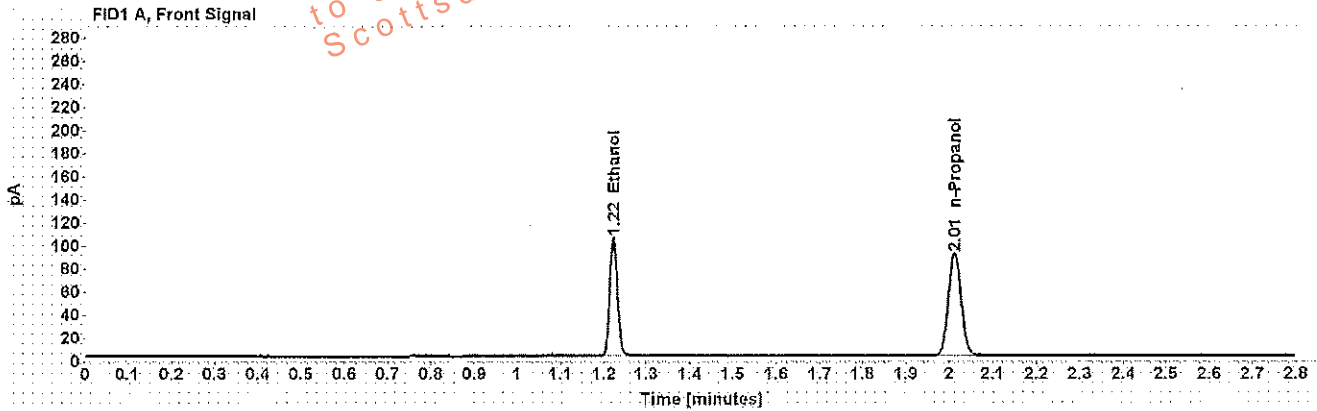


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.2013 | 1.223 | 131.806 |
| n-Propanol | ----- | 2.012 | 181.425 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.343 | 157.252 |
| n-Propanol | 2.375 | 212.551 |

Scottsdale Police Department Crime Lab Volatiles Analysis

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MA

| | |
|---|-------------------|
| Sample: 0.40 Lipomed 08012015-C | Item number: |
| Injection date: 2/13/2018 12:18:42 PM | Vial: 51 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\51.D | |

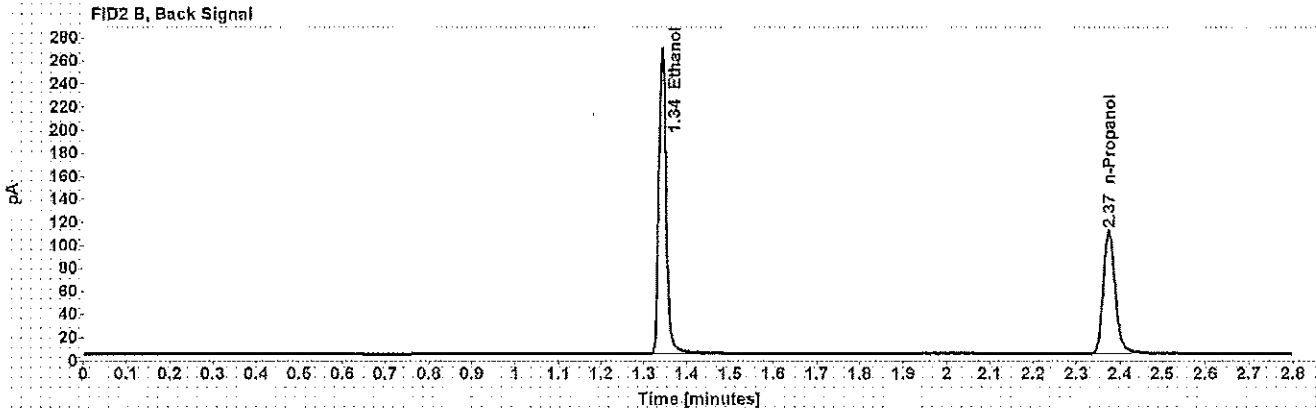
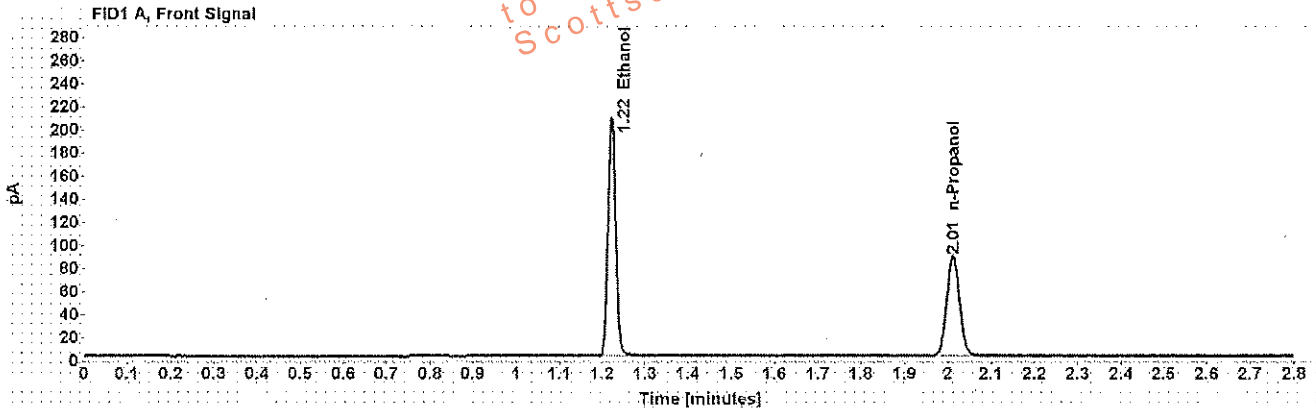


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.4119 | 1.222 | 263.841 |
| n-Propanol | ----- | 2.012 | 176.892 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.343 | 317.420 |
| n-Propanol | 2.375 | 207.485 |

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

| | |
|---|--------------------------|
| Sample: 0.04 Lipomed 09022015-A | Item number: |
| Injection date: 2/13/2018 12:22:41 PM | Vial: 52 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
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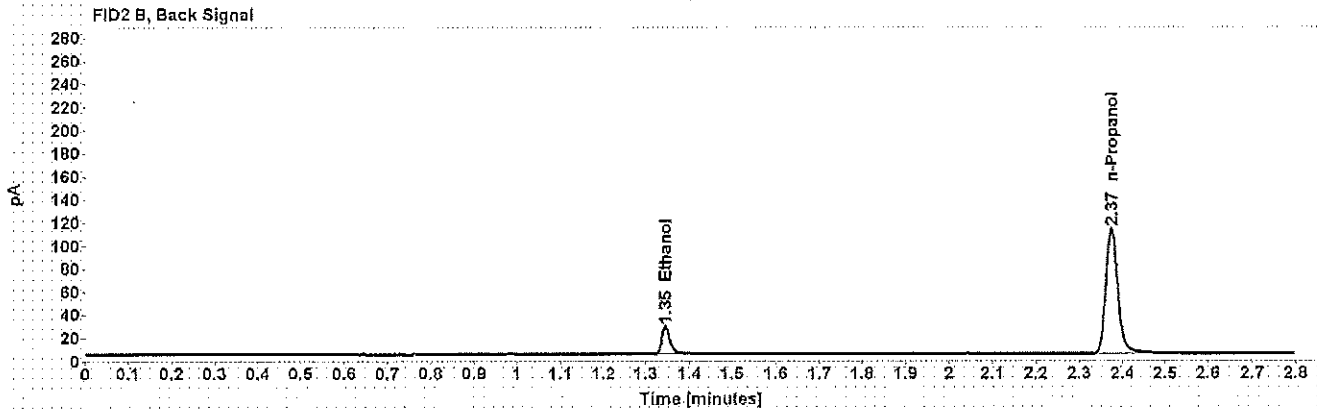
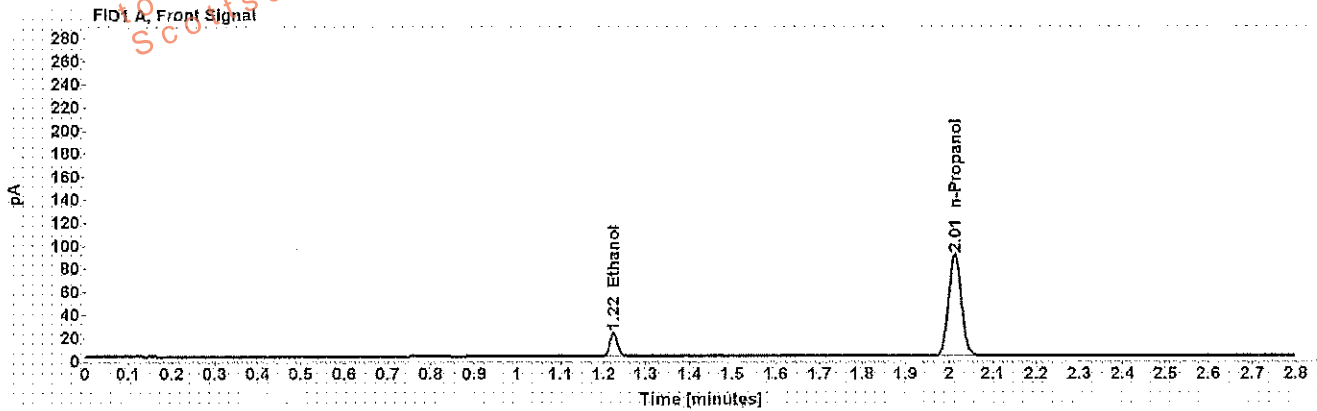


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0412 | 1.224 | 25.951 |
| n-Propanol | ----- | 2.012 | 179.429 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.345 | 30.379 |
| n-Propanol | 2.375 | 210.392 |

Scottsdale Police Department Crime Lab Volatiles Analysis

MA

| | |
|--|-------------------|
| Sample: 0.198 ACQ 407041529/3 | Item number: |
| Injection date: 2/13/2018 12:26:42 PM | Vial: 53 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\53.D | |

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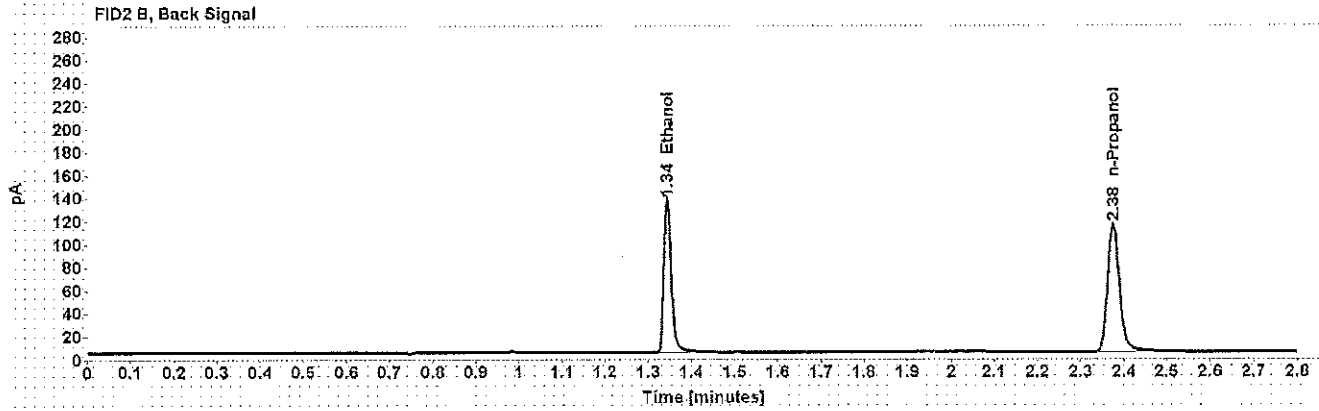
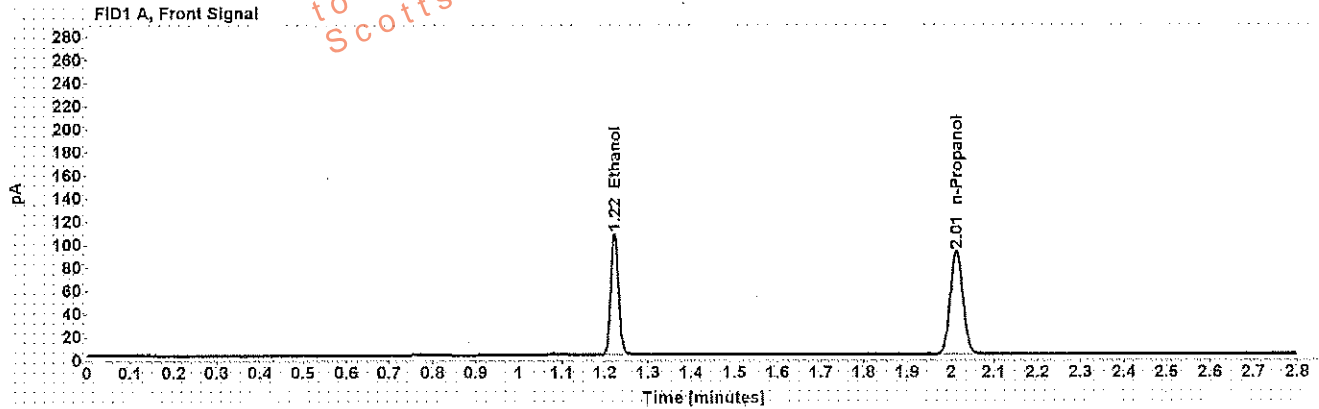


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.2036 | 1.223 | 134.929 |
| n-Propanol | ----- | 2.013 | 183.589 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.344 | 161.129 |
| n-Propanol | 2.375 | 215.518 |

Scottsdale Police Department Crime Lab Volatiles Analysis

44

| | |
|--|-------------------|
| Sample: blank 010318 | Item number: |
| Injection date: 2/13/2018 12:30:41 PM | Vial: 54 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\54.D | |

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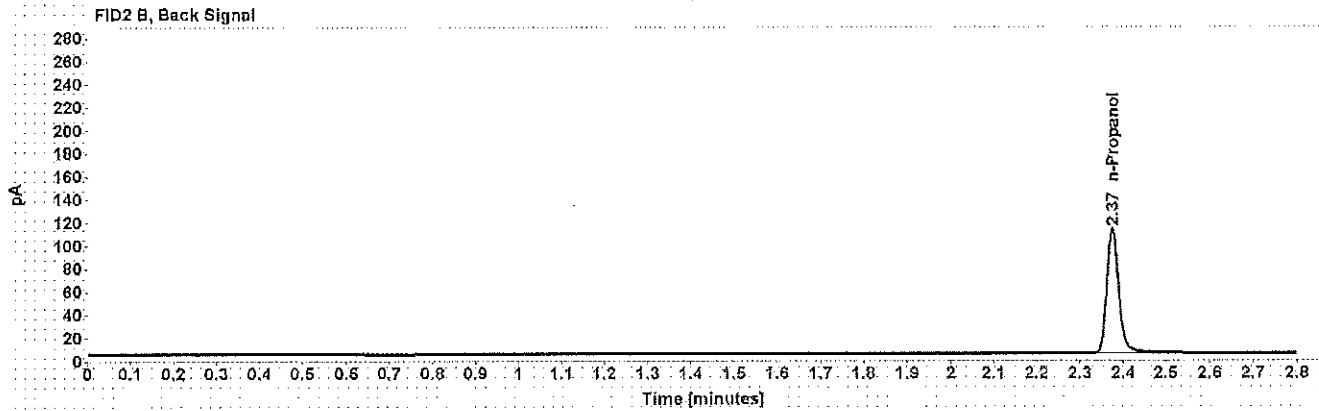
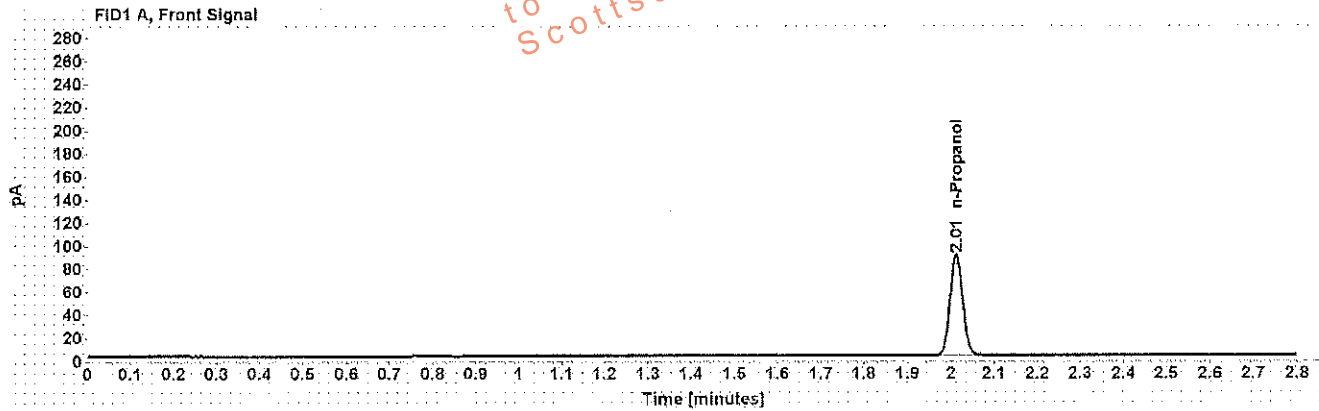


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| n-Propanol | ----- | 2.012 | 178.718 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| n-Propanol | 2.375 | 209.087 |

Sequence Summary

WA

Sequence name: 13Feb18 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 010318 | 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 | 0.198 ACQ 407041529/3 | Control | | ethanol quant.M |
| 10 | | Sample | 1172771 | ethanol quant.M |
| 11 | | Sample | 1172771 | ethanol quant.M |
| 12 | | Sample | 1196142 | ethanol quant.M |
| 13 | | Sample | 1196142 | ethanol quant.M |
| 14 | | Sample | 1195647 | ethanol quant.M |
| 15 | | Sample | 1195647 | ethanol quant.M |
| 16 | | Sample | 1196409 | ethanol quant.M |
| 17 | | Sample | 1196409 | ethanol quant.M |
| 18 | | Sample | 1192792 | ethanol quant.M |
| 19 | | Sample | 1192792 | ethanol quant.M |
| 20 | 0.080 Lipomed 28082014-B | Control | | ethanol quant.M |
| 21 | | Sample | 1193790 | ethanol quant.M |
| 22 | | Sample | 1193790 | ethanol quant.M |
| 23 | | Sample | 1194684 | ethanol quant.M |
| 24 | | Sample | 1194684 | ethanol quant.M |
| 25 | | Sample | 331-01A | ethanol quant.M |
| 26 | | Sample | 331-01A | ethanol quant.M |
| 27 | | Sample | 1174659 | ethanol quant.M |
| 28 | | Sample | 1174659 | ethanol quant.M |
| 29 | | Sample | 1198586 | ethanol quant.M |
| 30 | | Sample | 1198586 | ethanol quant.M |
| 31 | 0.150 Lipomed 09022015-C | Control | | ethanol quant.M |
| 32 | | Sample | 1195972 | ethanol quant.M |
| 33 | | Sample | 1195972 | ethanol quant.M |
| 34 | | Sample | 1194657 | ethanol quant.M |
| 35 | | Sample | 1194657 | ethanol quant.M |
| 36 | | Sample | 1195963 | ethanol quant.M |
| 37 | | Sample | 1195963 | ethanol quant.M |
| 38 | | Sample | 1196135 | ethanol quant.M |
| 39 | | Sample | 1196135 | ethanol quant.M |
| 40 | | Sample | 1198044 | ethanol quant.M |
| 41 | | Sample | 1198044 | ethanol quant.M |
| 42 | 0.198 ACQ 407041529/3 | Control | | ethanol quant.M |
| 43 | | Sample | 1195977 | ethanol quant.M |
| 44 | | Sample | 1195977 | ethanol quant.M |
| 45 | | Sample | 1195809 | ethanol quant.M |
| 46 | | Sample | 1195809 | ethanol quant.M |
| 47 | | Sample | 1195936 | ethanol quant.M |

Sequence Summary

WA

| | | | | |
|----|-------------------------|---------|---------|-----------------|
| 48 | | Sample | 1195936 | ethanol quant.M |
| 49 | | Sample | 1194885 | ethanol quant.M |
| 50 | | Sample | 1194885 | ethanol quant.M |
| 51 | 0.40 Lipomed 08012015-C | Control | | ethanol quant.M |
| 52 | 0.04 Lipomed 09022015-A | Control | | ethanol quant.M |
| 53 | 0.198 ACQ 407041529/3 | Control | | ethanol quant.M |
| 54 | blank 010318 | Control | | ethanol quant.M |

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Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 13Feb18

ANALYST: Adrian WA

| Vials | Test 1 (g/dL) | Test 2 (g/dL) | Mean (g/dL) | Percent Difference* | Absolute Difference (g/dL)* |
|-------|---------------|---------------|-------------|---------------------|-----------------------------|
| 10 11 | 0.0924 | 0.0920 | 0.09220 | 0.22 | 0.00020 |
| 12 13 | 0.2247 | 0.2318 | 0.22825 | 1.56 | 0.00355 |
| 14 15 | 0.1081 | 0.1093 | 0.10870 | 0.55 | 0.00060 |
| 16 17 | 0.2021 | 0.2057 | 0.20390 | 0.88 | 0.00180 |
| 18 19 | 0.0918 | 0.0931 | 0.09245 | 0.70 | 0.00065 |
| 21 22 | 0.1793 | 0.1800 | 0.17965 | 0.19 | 0.00035 |
| 23 24 | 0.0964 | 0.0980 | 0.09720 | 0.82 | 0.00080 |
| 25 26 | 0.3522 | 0.3523 | 0.35225 | 0.01 | 0.00005 |
| 27 28 | 0.1891 | 0.1889 | 0.18900 | 0.05 | 0.00010 |
| 29 30 | 0.0484 | 0.0493 | 0.04885 | 0.92 | 0.00045 |
| 32 33 | 0.1442 | 0.1449 | 0.14455 | 0.24 | 0.00035 |
| 34 35 | 0.0770 | 0.0764 | 0.07670 | 0.39 | 0.00030 |
| 36 37 | 0.1260 | 0.1251 | 0.12555 | 0.36 | 0.00045 |
| 38 39 | 0.2143 | 0.2148 | 0.21455 | 0.12 | 0.00025 |
| 40 41 | 0.1486 | 0.1487 | 0.14865 | 0.03 | 0.00005 |
| 43 44 | 0.0928 | 0.0934 | 0.09310 | 0.32 | 0.00030 |
| 45 46 | 0.0667 | 0.0667 | 0.06670 | 0.00 | 0.00000 |
| 47 48 | 0.0919 | 0.0932 | 0.09255 | 0.70 | 0.00065 |
| 49 50 | 0.0983 | 0.0984 | 0.09835 | 0.05 | 0.00005 |

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

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1172771 |
| Injection date: 2/13/2018 9:32:57 AM | Vial: 10 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023.ON14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\10.D | |

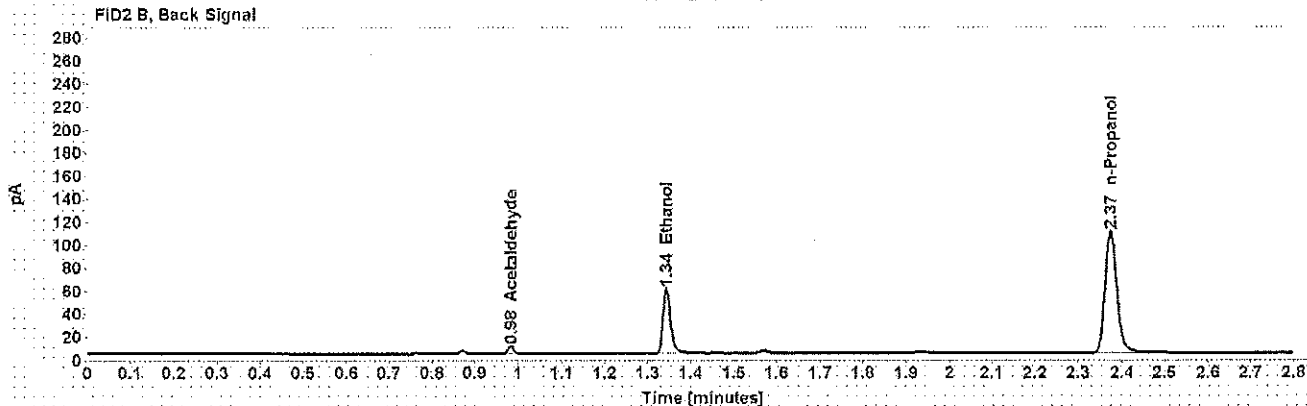
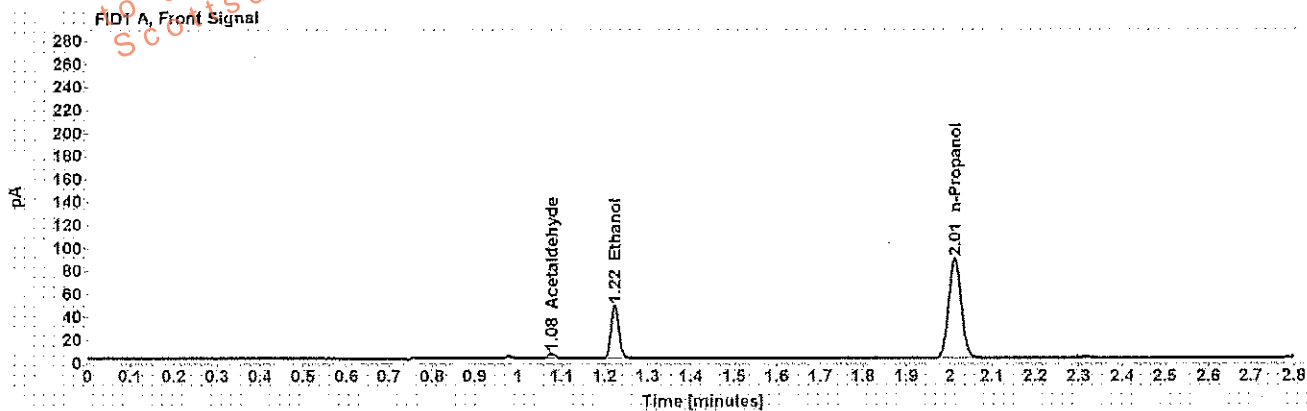


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 4.529 |
| >Ethanol | 0.0924 | 1.223 | 58.844 |
| n-Propanol | ----- | 2.012 | 177.817 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.983 | 5.733 |
| Ethanol | 1.343 | 68.684 |
| n-Propanol | 2.374 | 205.465 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1172771 |
| Injection date: 2/13/2018 9:36:57 AM | Vial: 11 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\11.D | |

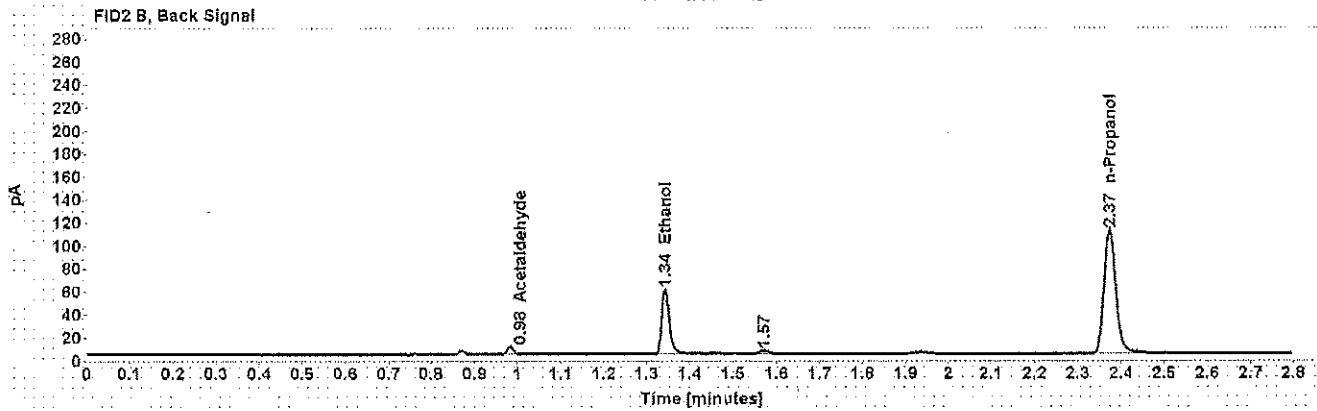
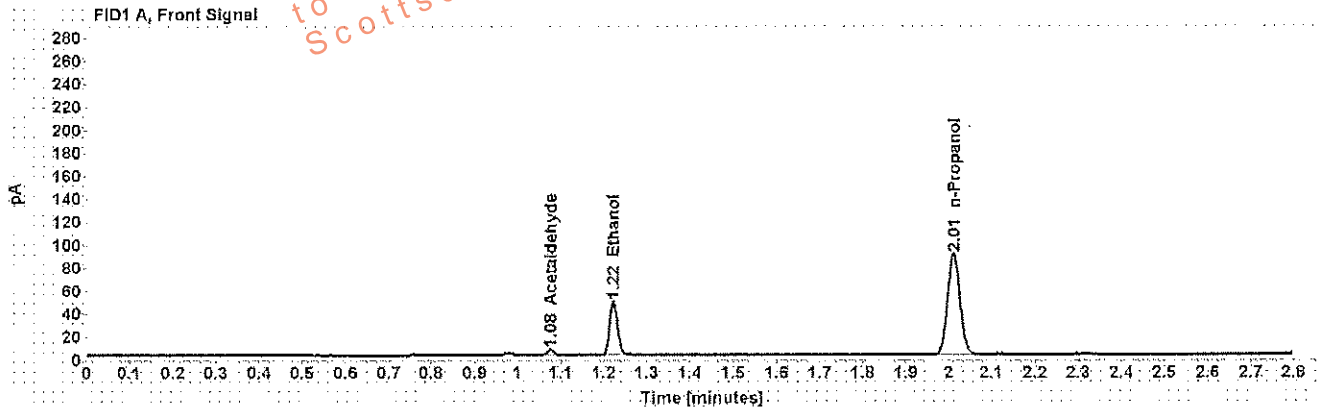


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 4.897 |
| >Ethanol | 0.0920 | 1.222 | 59.533 |
| n-Propanol | ----- | 2.011 | 180.757 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.982 | 6.176 |
| Ethanol | 1.343 | 69.715 |
| n-Propanol | 2.373 | 208.630 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1196142 |
| Injection date: 2/13/2018 9:40:56 AM | Vial: 12 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\12.D | |

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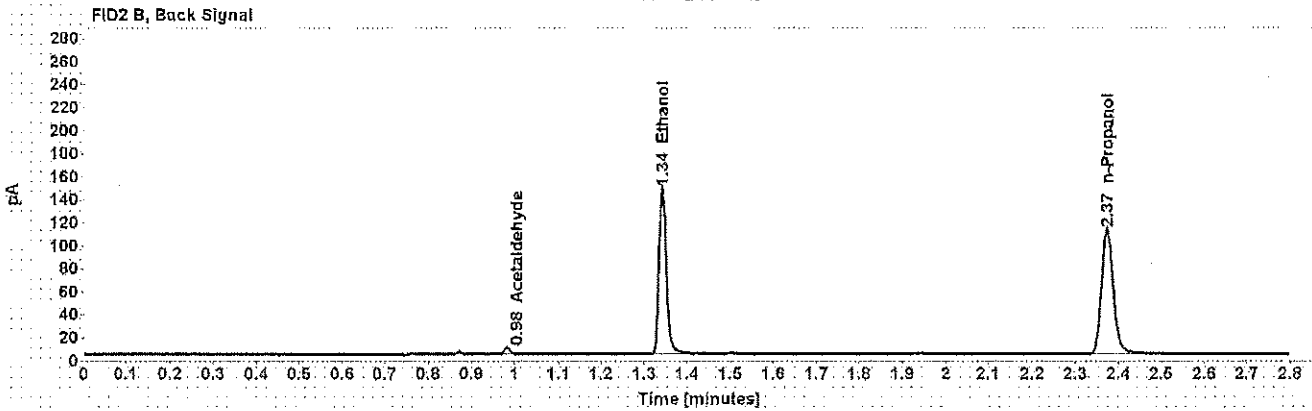
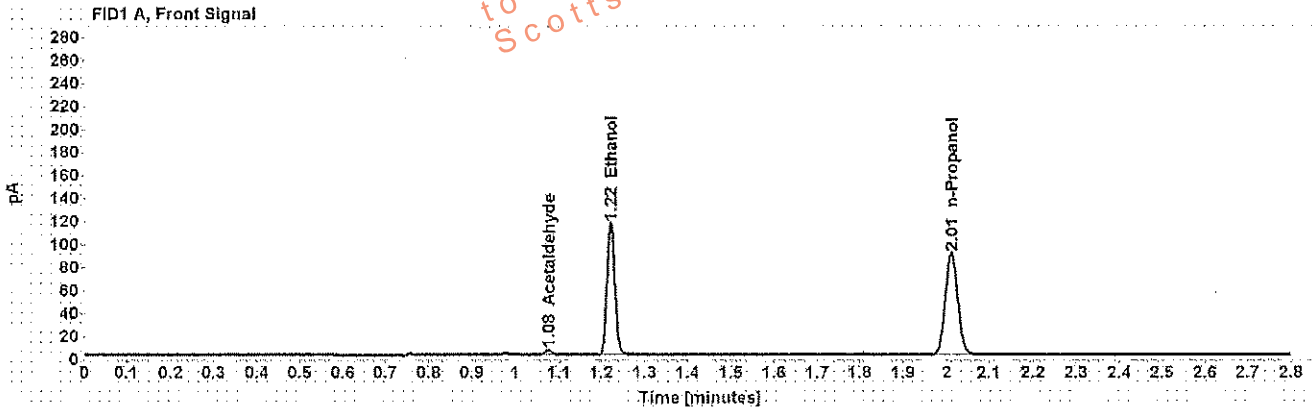


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 4.193 |
| >Ethanol | 0.2247 | 1.222 | 146.832 |
| n-Propanol | ----- | 2.012 | 180.955 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.983 | 5.295 |
| Ethanol | 1.342 | 173.942 |
| n-Propanol | 2.373 | 210.554 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1196142 |
| Injection date: 2/13/2018 9:45:12 AM | Vial: 13 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\13.D | |

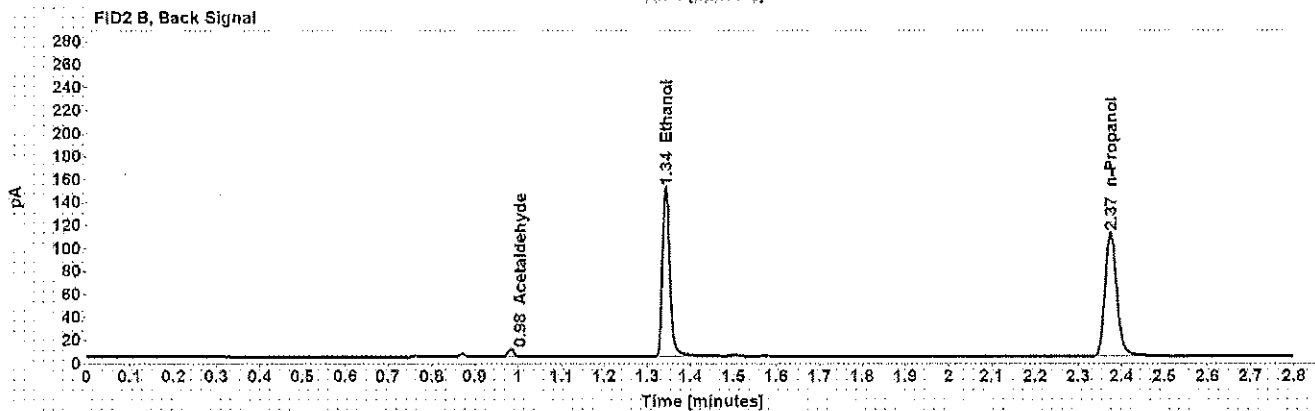
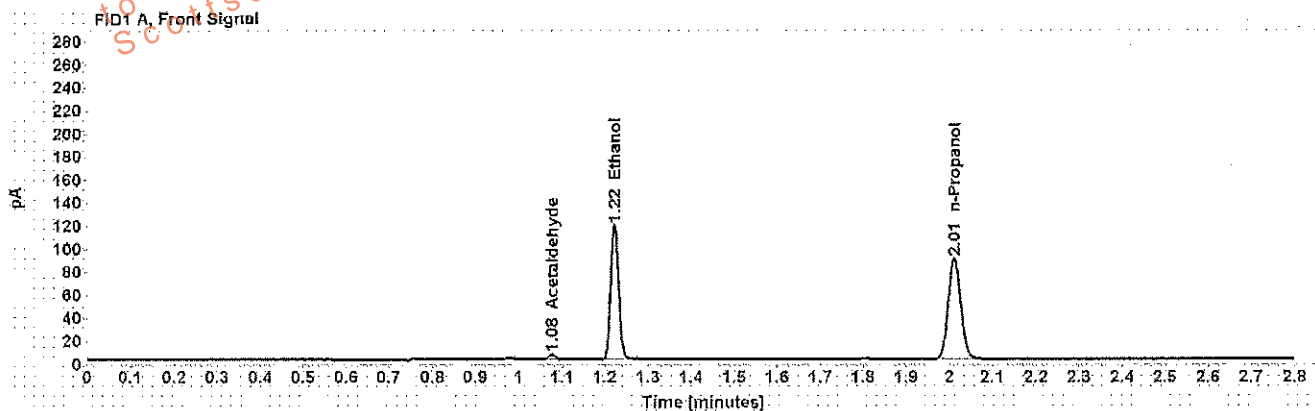


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|---------------------|---------------|--------------|
| Acetaldehyde | ----- | 1.076 | 4.742 |
| >Ethanol | 0.2318 | 1.222 | 149.986 |
| n-Propanol | ----- | 2.012 | 179.126 |

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

| Compound | Time (min) | Peak Area |
|--------------|---------------|--------------|
| Acetaldehyde | 0.983 | 5.997 |
| Ethanol | 1.343 | 177.515 |
| n-Propanol | 2.374 | 208.659 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|-----------------------------|
| Sample: [REDACTED] | Item number: 1195647 |
| Injection date: 2/13/2018 9:49:12 AM | Vial: 14 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\14.D | |

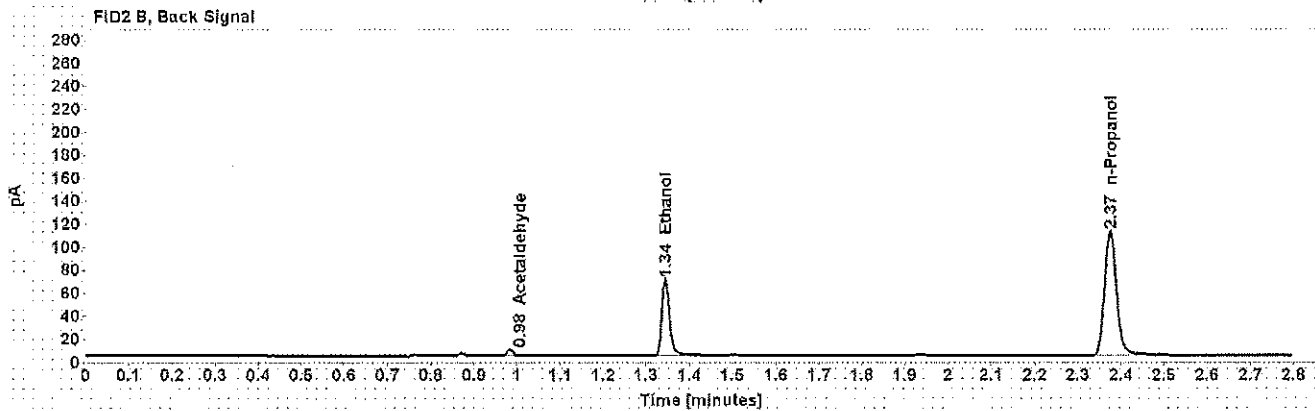
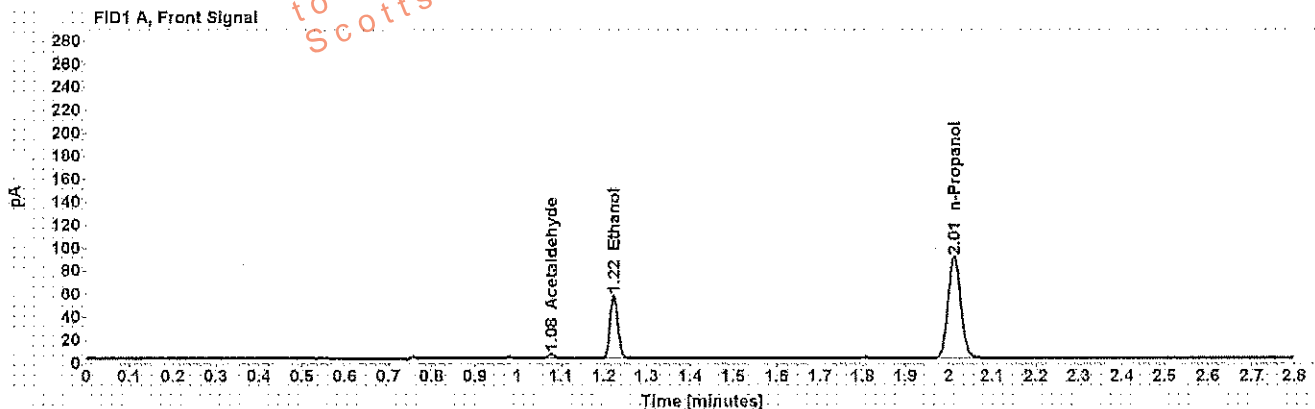


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.007 |
| >Ethanol | 0.1081 | 1.223 | 69.728 |
| n-Propanol | ----- | 2.012 | 179.742 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.118 |
| Ethanol | 1.344 | 81.211 |
| n-Propanol | 2.375 | 209.043 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1195647 |
| Injection date: 2/13/2018 9:53:11 AM | Vial: 15 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\15.D | |

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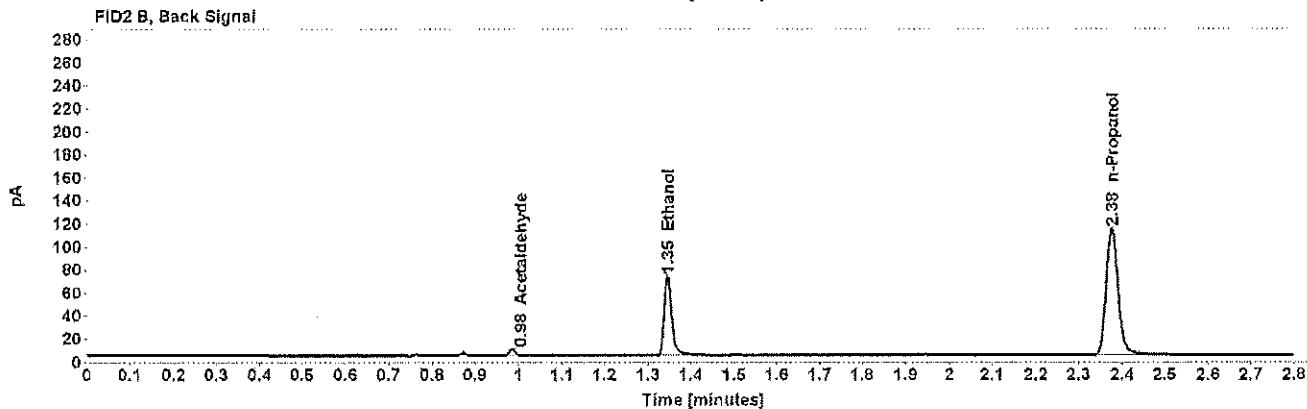
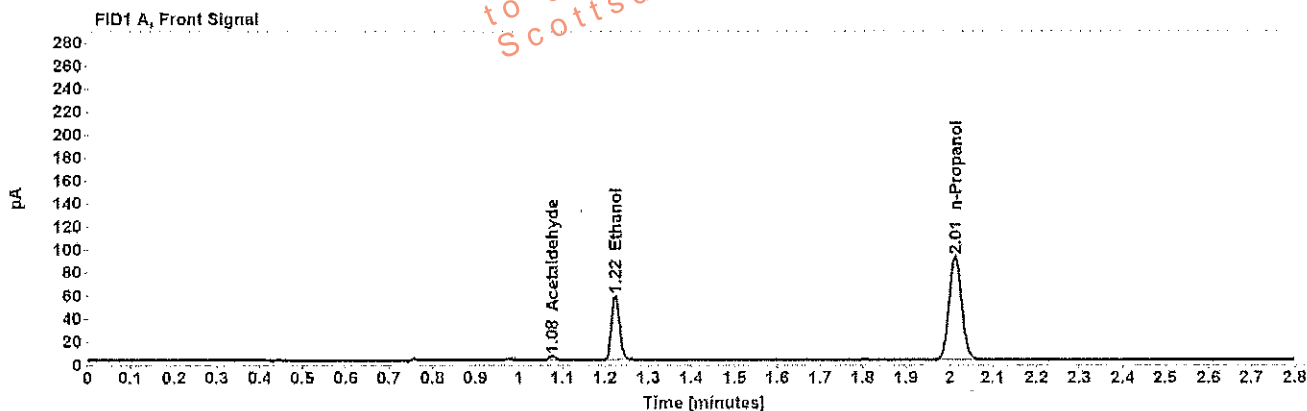


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 3.853 |
| >Ethanol | 0.1093 | 1.224 | 71.967 |
| n-Propanol | ----- | 2.013 | 183.429 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 4.852 |
| Ethanol | 1.345 | 84.152 |
| n-Propanol | 2.376 | 213.467 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1196409 |
| Injection date: 2/13/2018 9:57:12 AM | Vial: 16 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\16.D | |

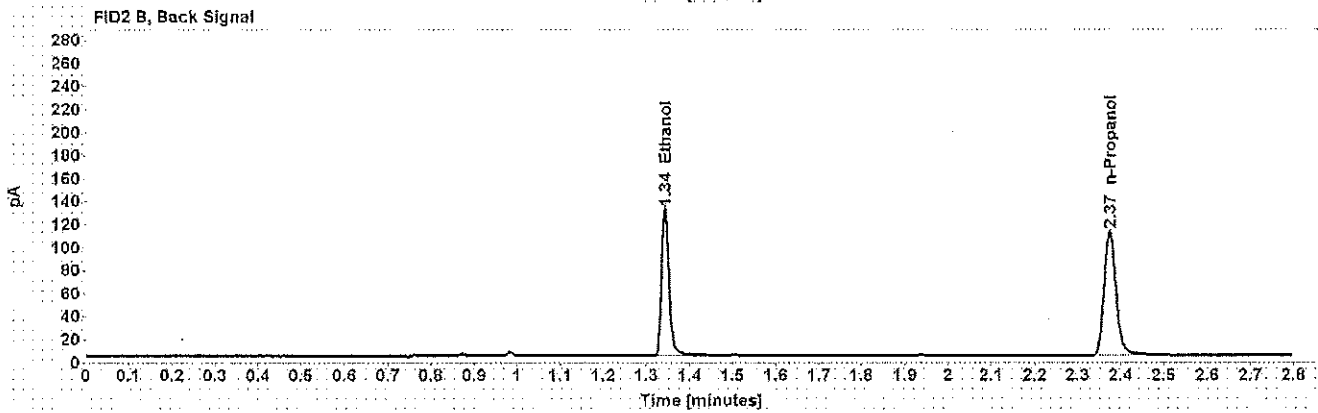
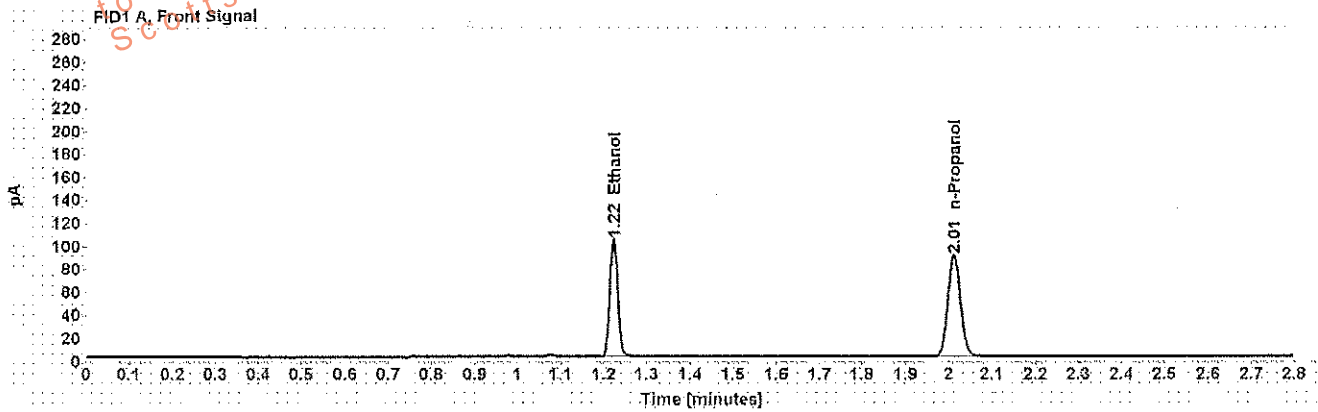


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.2021 | 1.222 | 131.277 |
| n-Propanol | ----- | 2.012 | 180.004 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.343 | 155.460 |
| n-Propanol | 2.375 | 210.009 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1196409 |
| Injection date: 2/13/2018 10:01:12 AM | Vial: 17 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 N14160045 | Analyst: Adrian |
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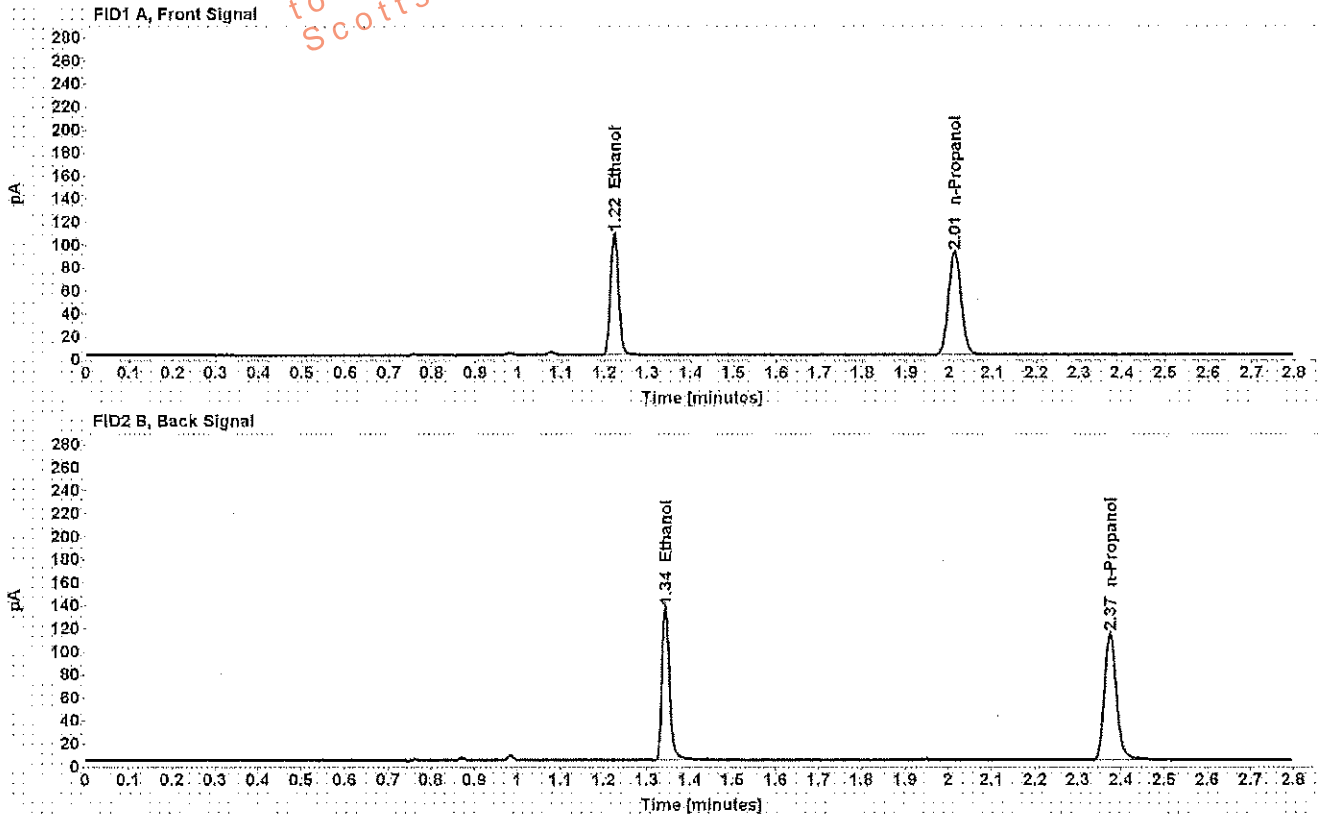


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.2057 | 1.223 | 136.027 |
| n-Propanol | ----- | 2.012 | 183.223 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.343 | 161.168 |
| n-Propanol | 2.375 | 213.620 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1192792 |
| Injection date: 2/13/2018 10:05:12 AM | Vial: 18 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\18.D | |

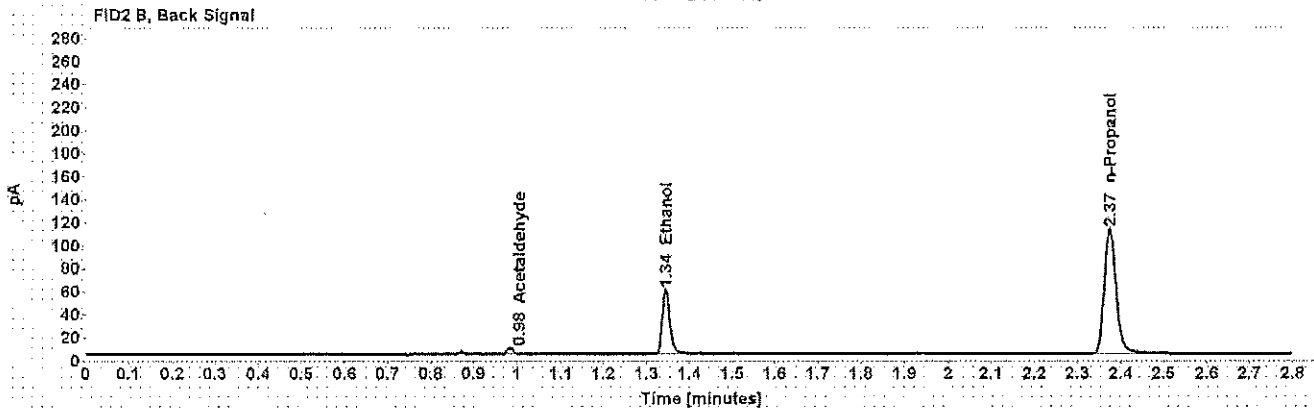
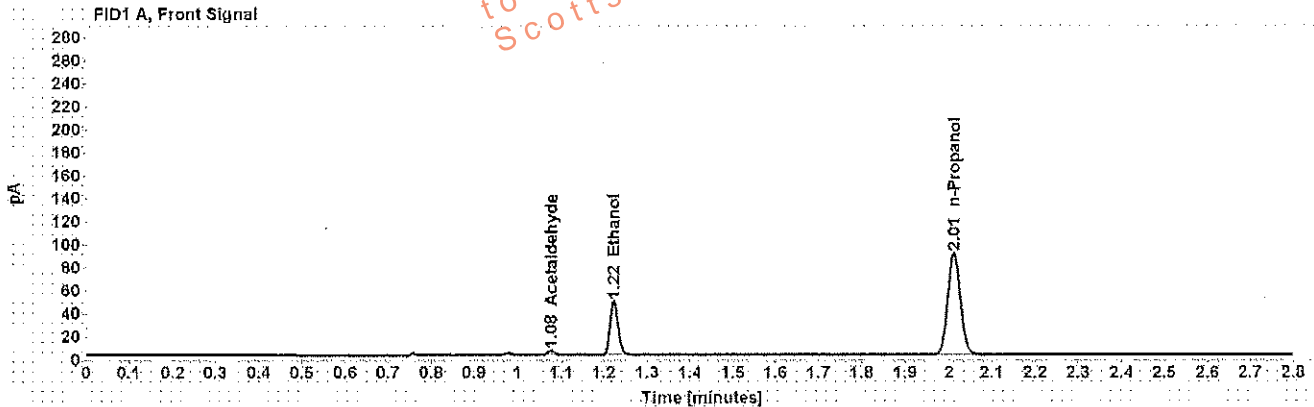


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.021 |
| >Ethanol | 0.0918 | 1.223 | 59.391 |
| n-Propanol | ----- | 2.012 | 180.727 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.076 |
| Ethanol | 1.344 | 69.000 |
| n-Propanol | 2.375 | 210.311 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1192792 |
| Injection date: 2/13/2018 10:09:26 AM | Vial: 19 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\19.D | |

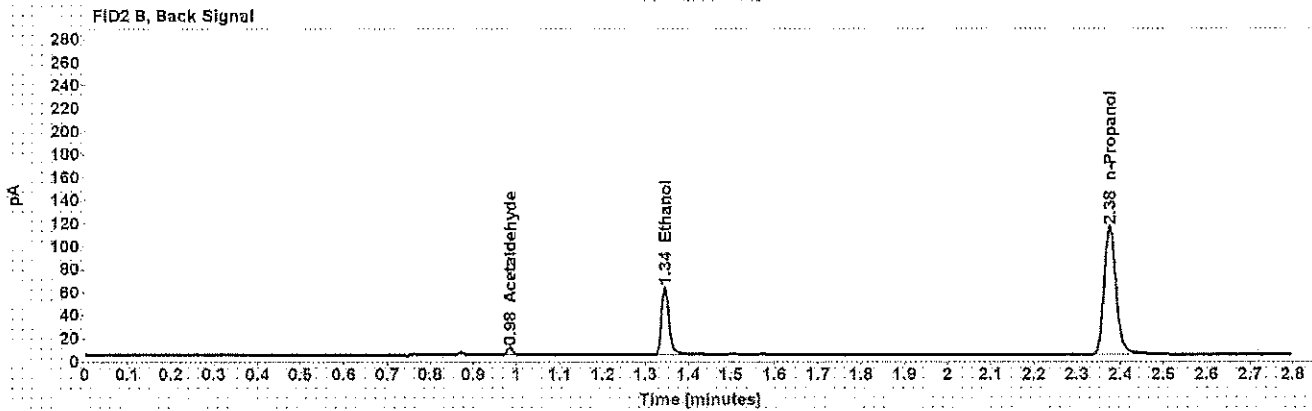
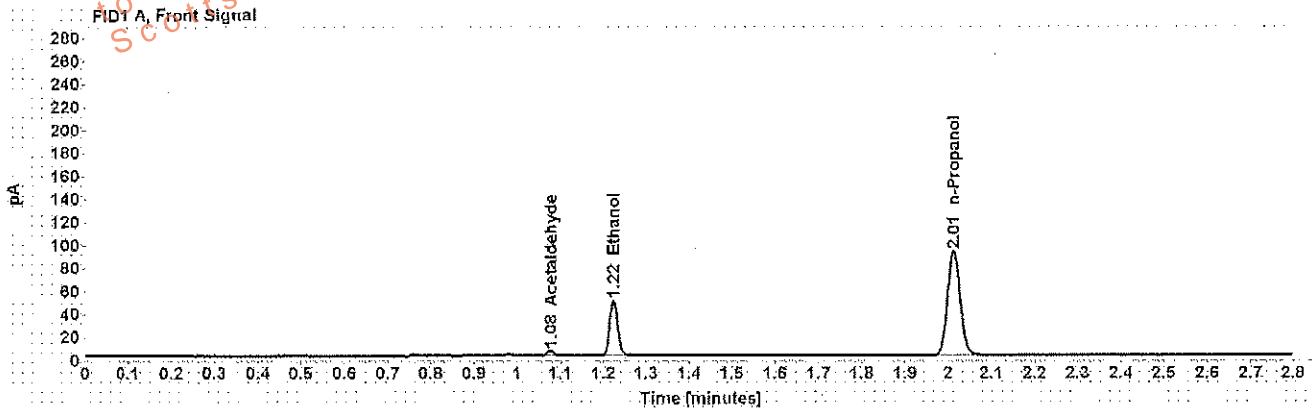


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.543 |
| >Ethanol | 0.0931 | 1.224 | 61.679 |
| n-Propanol | ----- | 2.013 | 185.022 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.753 |
| Ethanol | 1.345 | 72.076 |
| n-Propanol | 2.375 | 216.128 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1193790 |
| Injection date: 2/13/2018 10:17:27 AM | Vial: 21 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\21.D | |

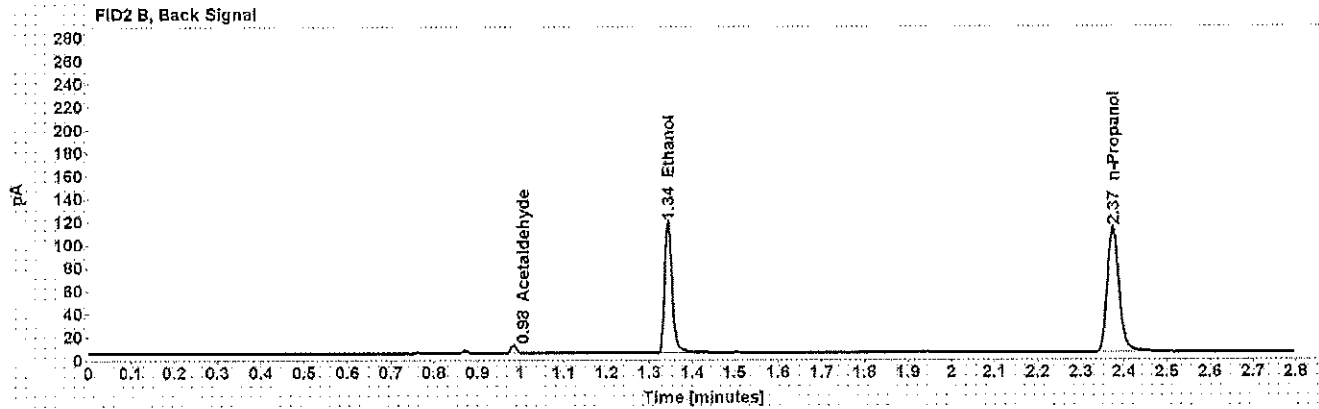
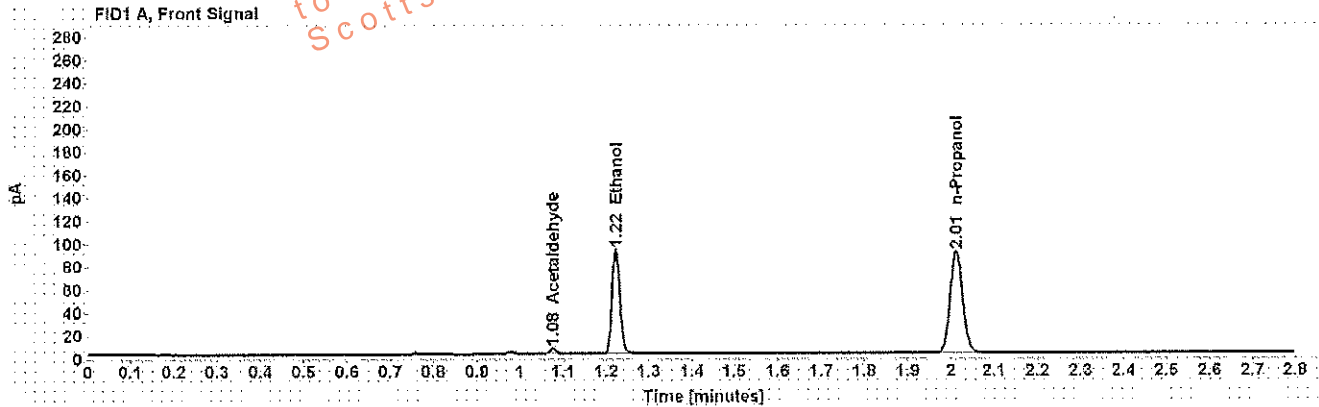


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 4.926 |
| >Ethanol | 0.1793 | 1.222 | 116.630 |
| n-Propanol | ----- | 2.012 | 180.353 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.983 | 6.249 |
| Ethanol | 1.343 | 138.387 |
| n-Propanol | 2.374 | 210.721 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1193790 |
| Injection date: 2/13/2018 10:21:27 AM | Vial: 22 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\22.D | |

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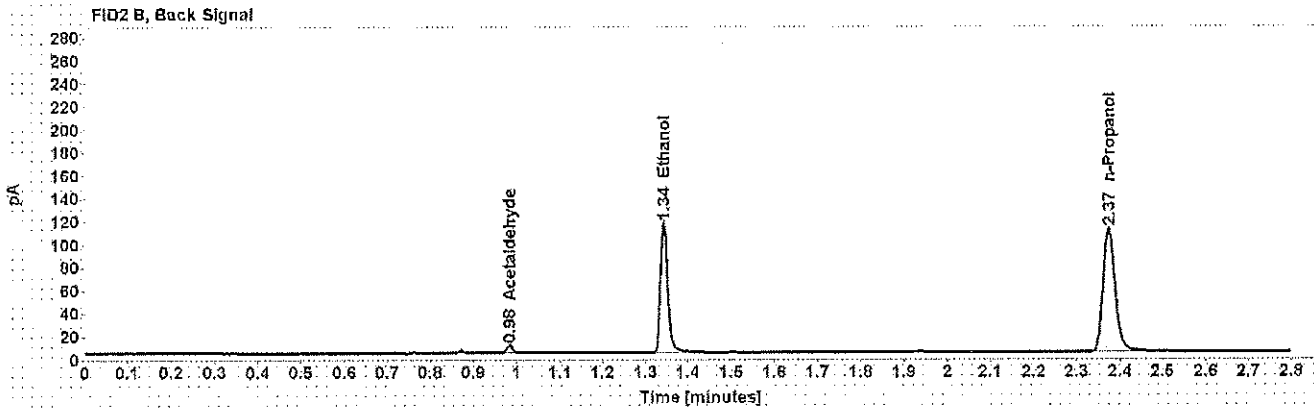
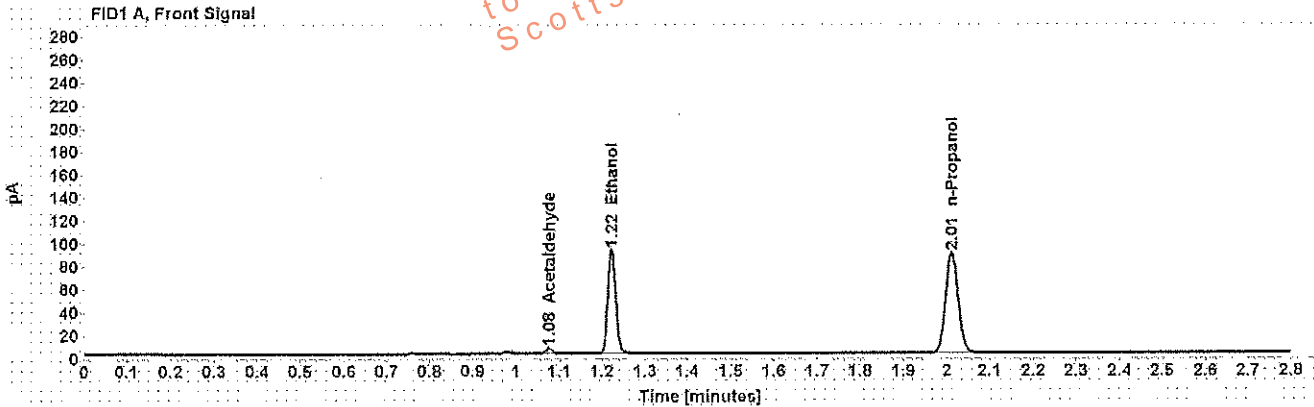


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 4.922 |
| >Ethanol | 0.1800 | 1.223 | 115.800 |
| n-Propanol | ----- | 2.012 | 178.400 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.983 | 6.223 |
| Ethanol | 1.343 | 136.988 |
| n-Propanol | 2.374 | 208.127 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1194684 |
| Injection date: 2/13/2018 10:25:27 AM | Vial: 23 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\23.D | |

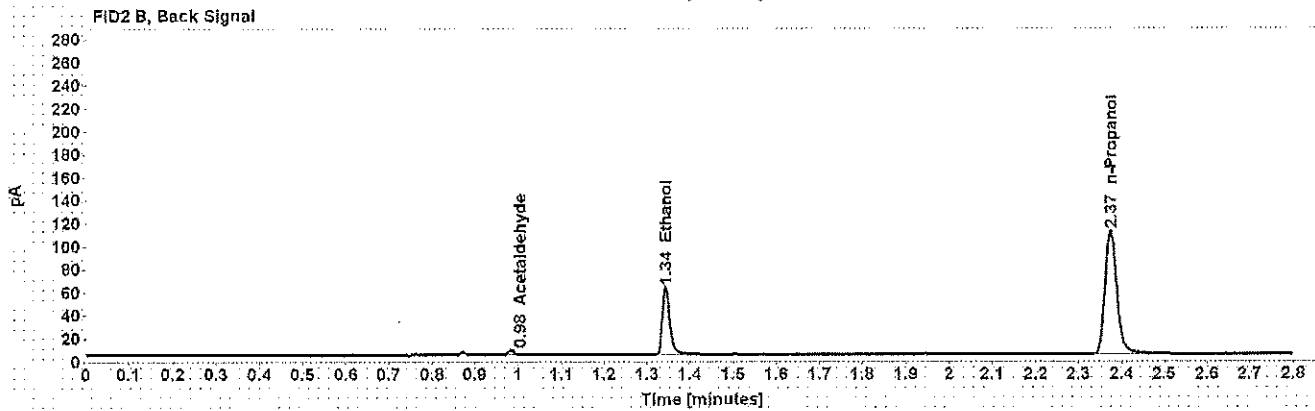
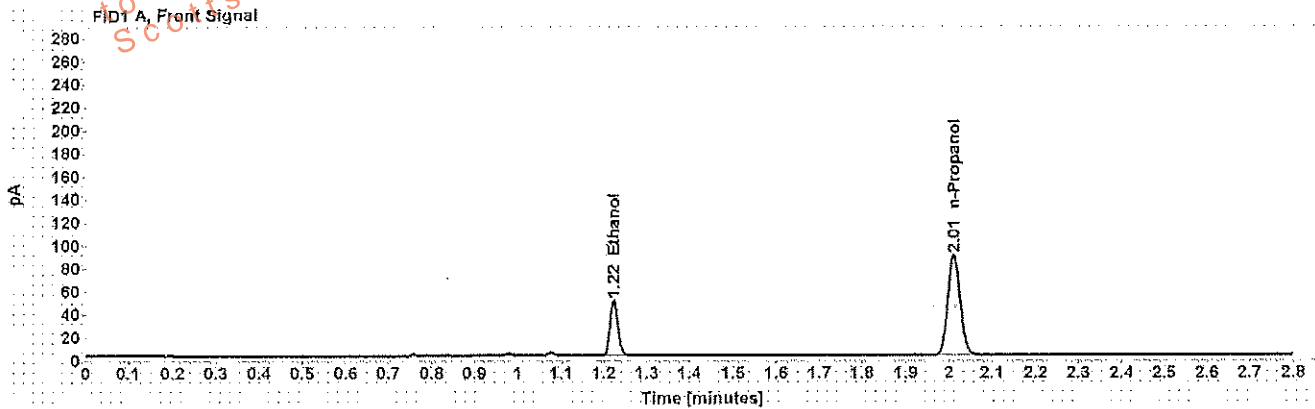


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0964 | 1.223 | 61.597 |
| n-Propanol | ----- | 2.012 | 178.464 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 3.876 |
| Ethanol | 1.344 | 72.018 |
| n-Propanol | 2.374 | 207.792 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1194684 |
| Injection date: 2/13/2018 10:29:27 AM | Vial: 24 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
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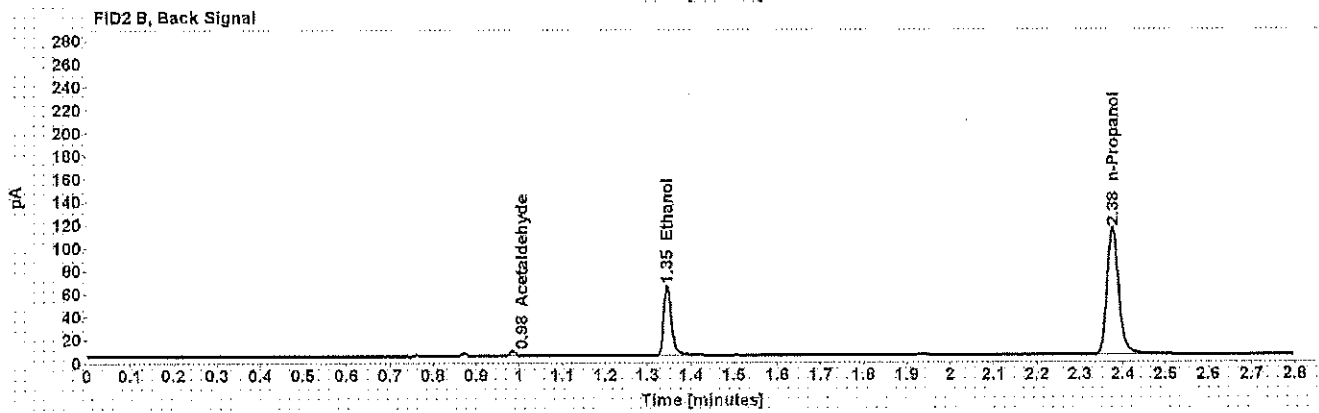
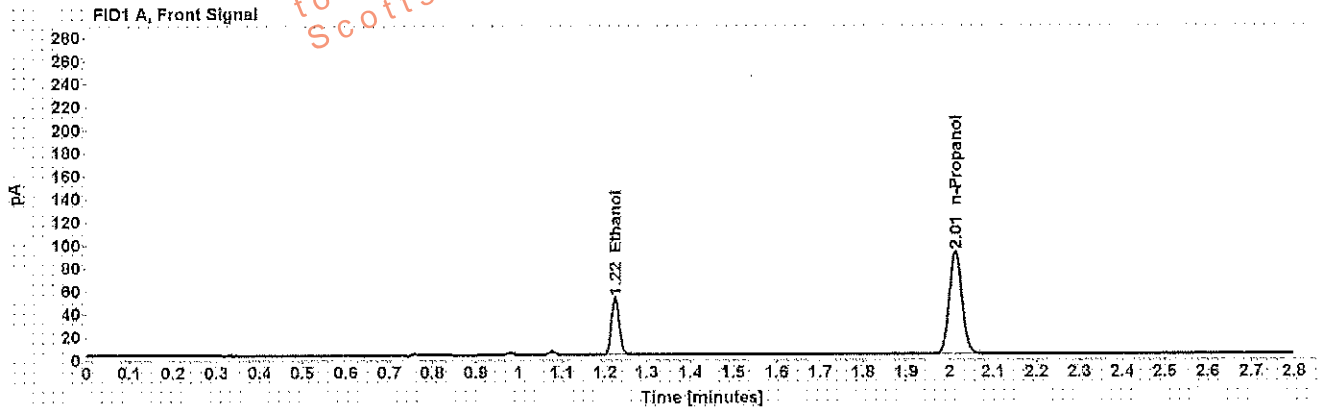


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0980 | 1.224 | 64.025 |
| n-Propanol | ----- | 2.013 | 182.301 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 4.064 |
| Ethanol | 1.346 | 75.066 |
| n-Propanol | 2.376 | 213.113 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 331-01A |
| Injection date: 2/13/2018 10:33:42 AM | Vial: 25 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\25.D | |

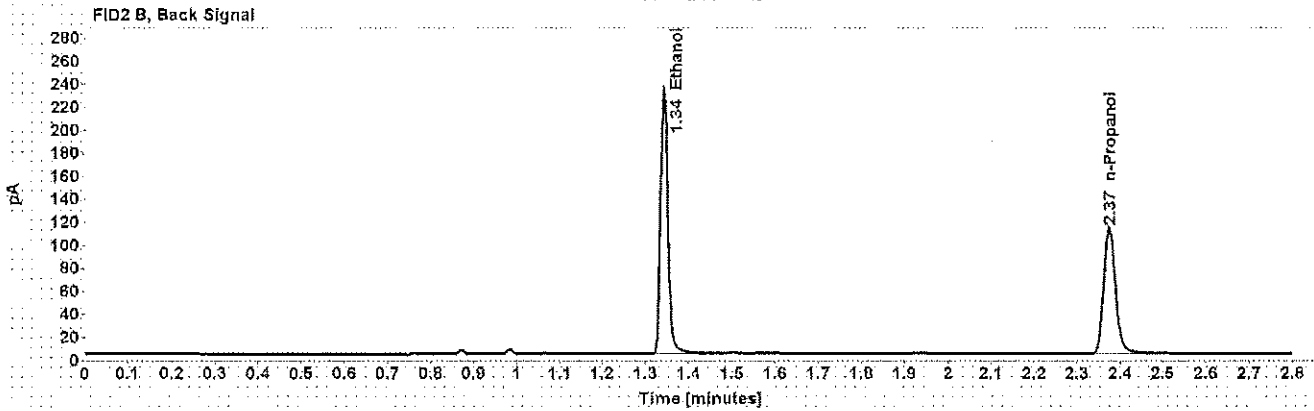
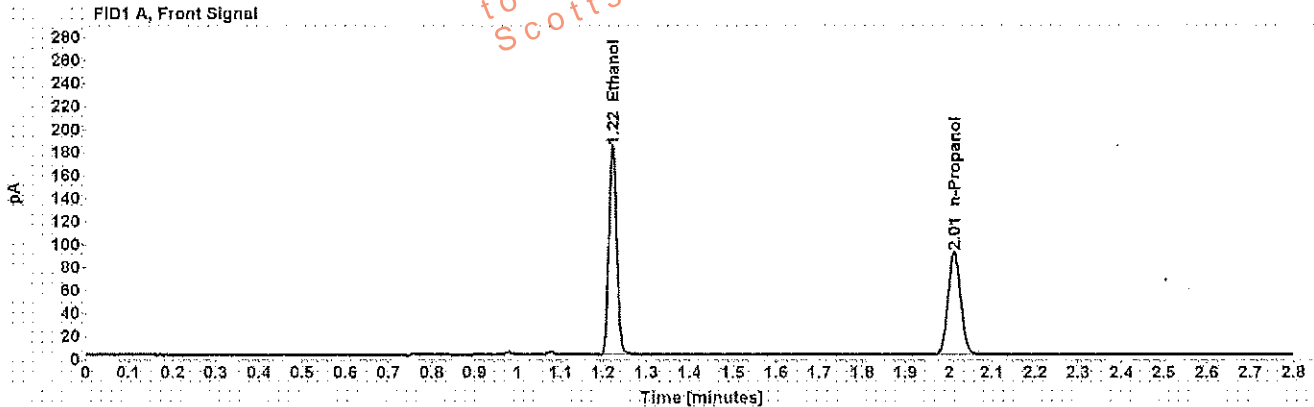


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.3522 | 1.222 | 231.436 |
| n-Propanol | ----- | 2.012 | 181.560 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.342 | 277.654 |
| n-Propanol | 2.374 | 213.222 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 331-01A |
| Injection date: 2/13/2018 10:37:43 AM | Vial: 26 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\26.D | |

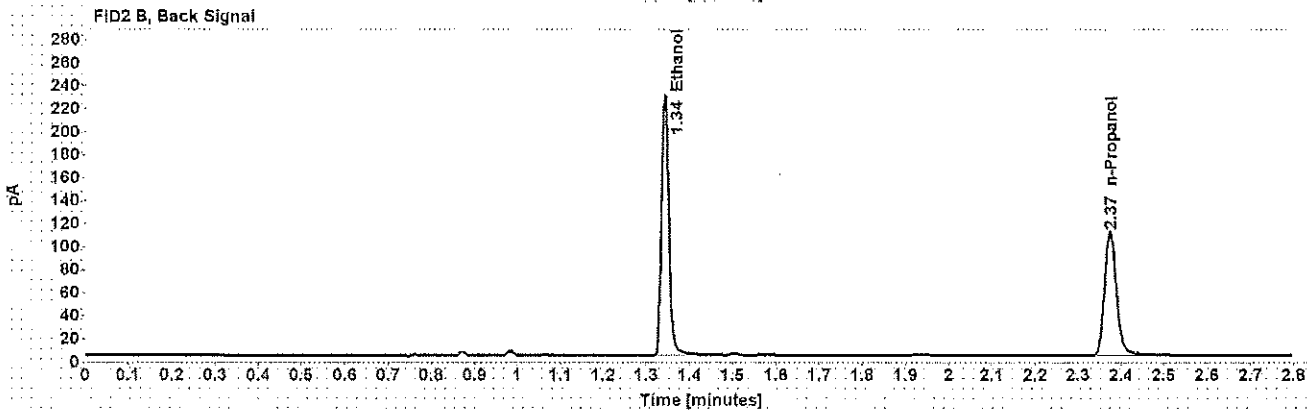
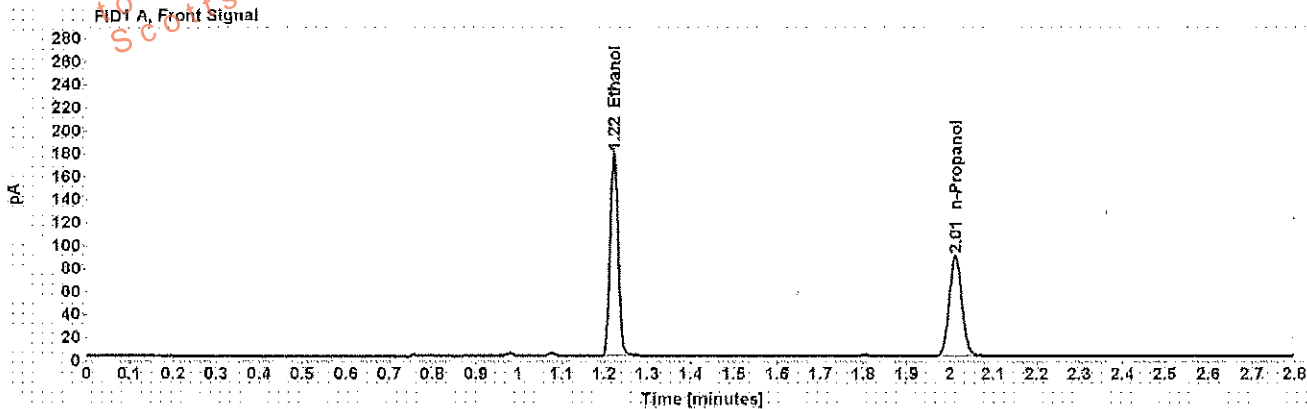


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.3523 | 1.222 | 226.459 |
| n-Propanol | ----- | 2.012 | 177.580 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.342 | 271.692 |
| n-Propanol | 2.374 | 208.318 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1174659 |
| Injection date: 2/13/2018 10:41:43 AM | Vial: 27 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\27.D | |

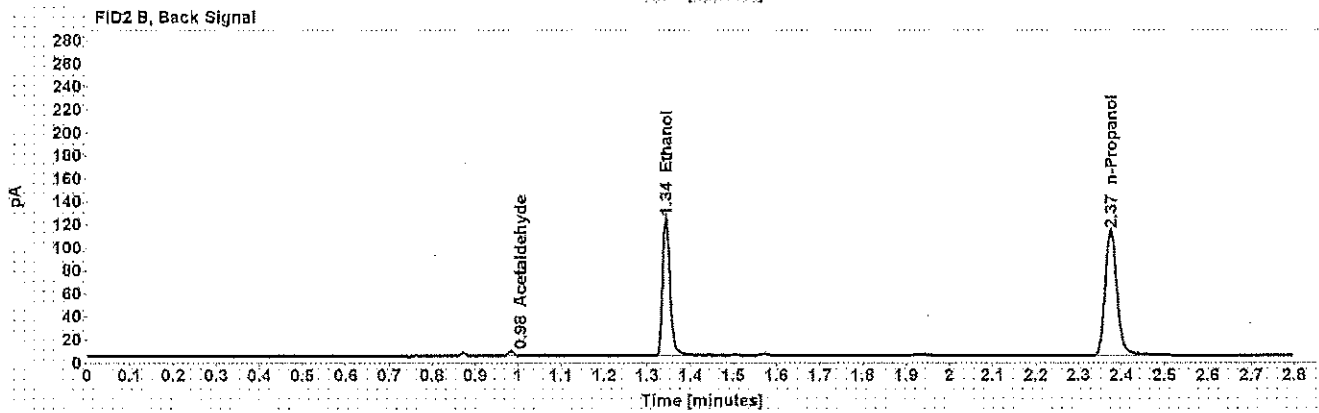
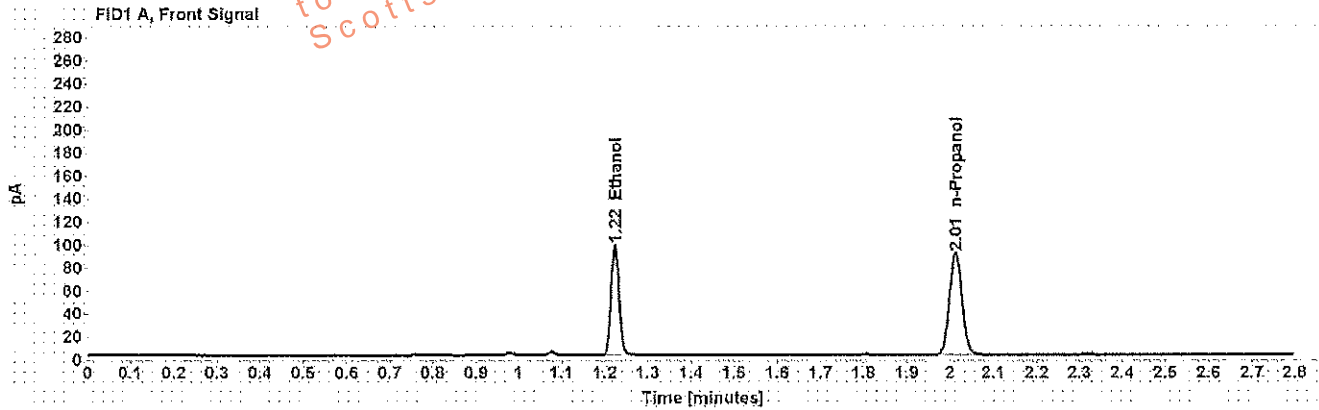


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.1891 | 1.223 | 123.146 |
| n-Propanol | ----- | 2.012 | 180.508 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 3.850 |
| Ethanol | 1.344 | 147.505 |
| n-Propanol | 2.375 | 211.881 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 4174659 |
| Injection date: 2/13/2018 10:45:41 AM | Vial: 28 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
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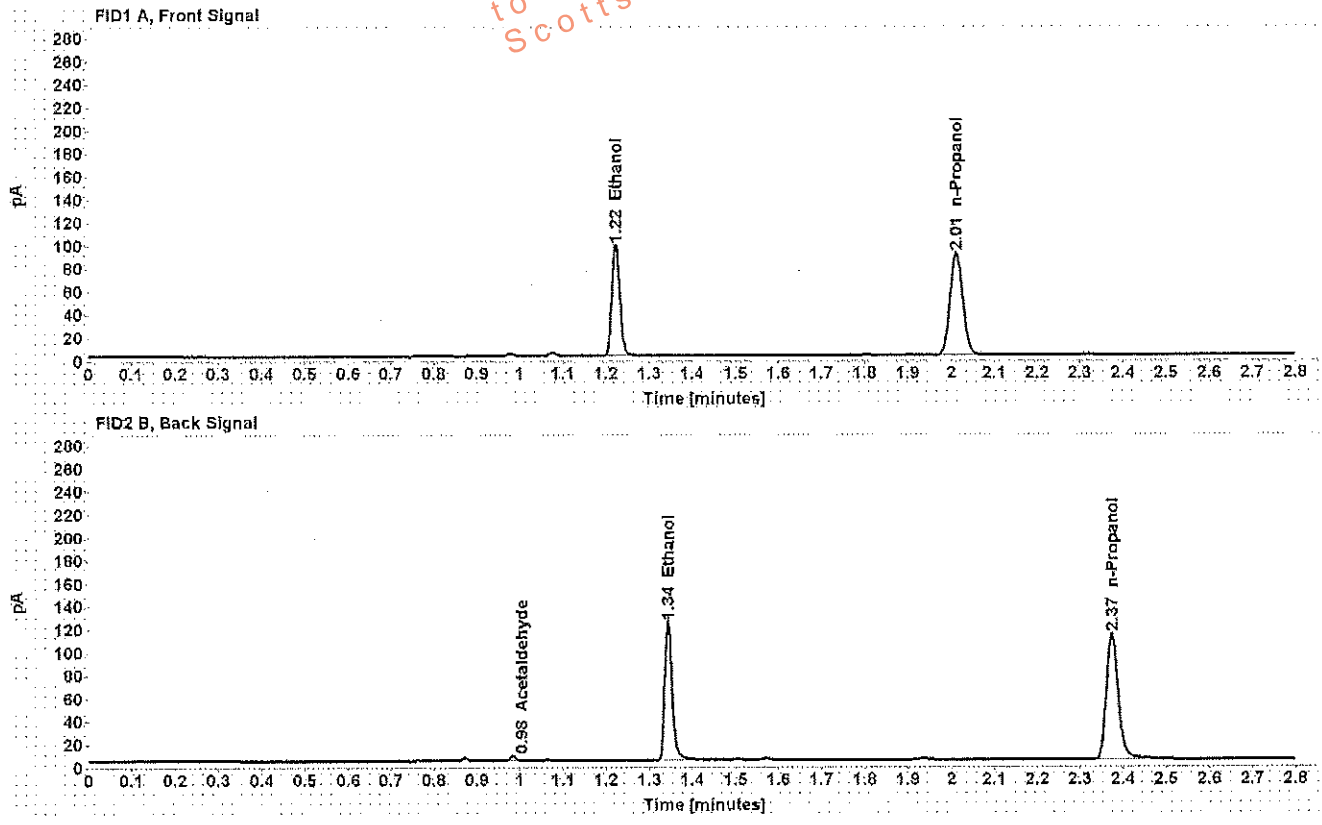


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.1889 | 1.223 | 123.143 |
| n-Propanol | ----- | 2.012 | 180.674 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 3.772 |
| Ethanol | 1.343 | 147.749 |
| n-Propanol | 2.374 | 212.374 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1198586 |
| Injection date: 2/13/2018 10:49:42 AM | Vial: 29 |
| Method: ethanol quanti.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\29.D | |

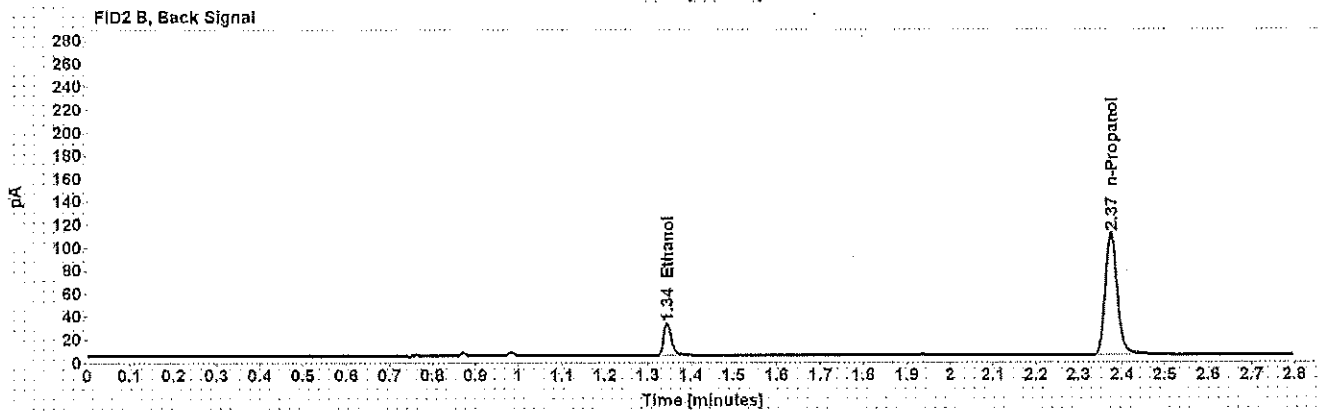
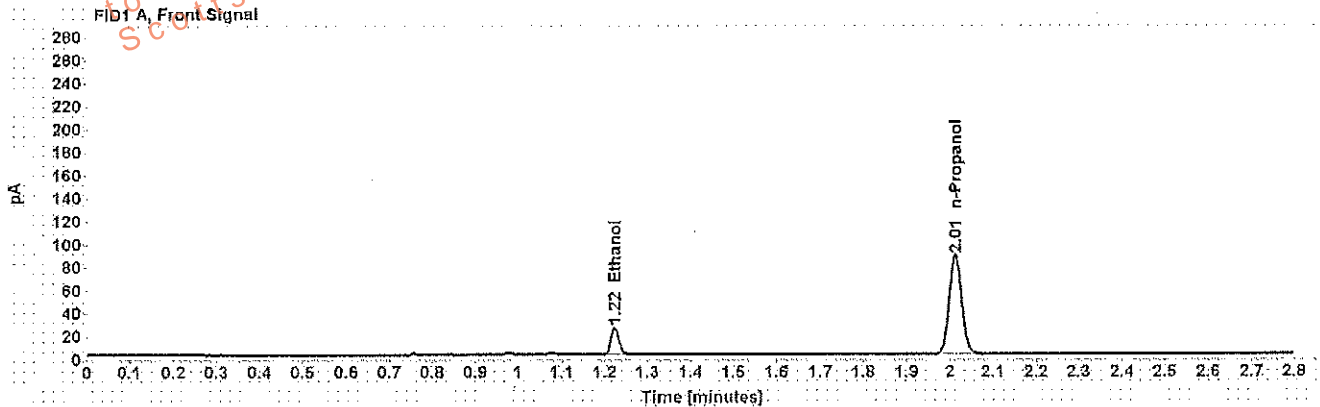


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0484 | 1.223 | 30.069 |
| n-Propanol | ----- | 2.012 | 176.097 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.345 | 35.547 |
| n-Propanol | 2.374 | 205.661 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1198586 |
| Injection date: 2/13/2018 10:53:42 AM | Vial: 30 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\30.D | |

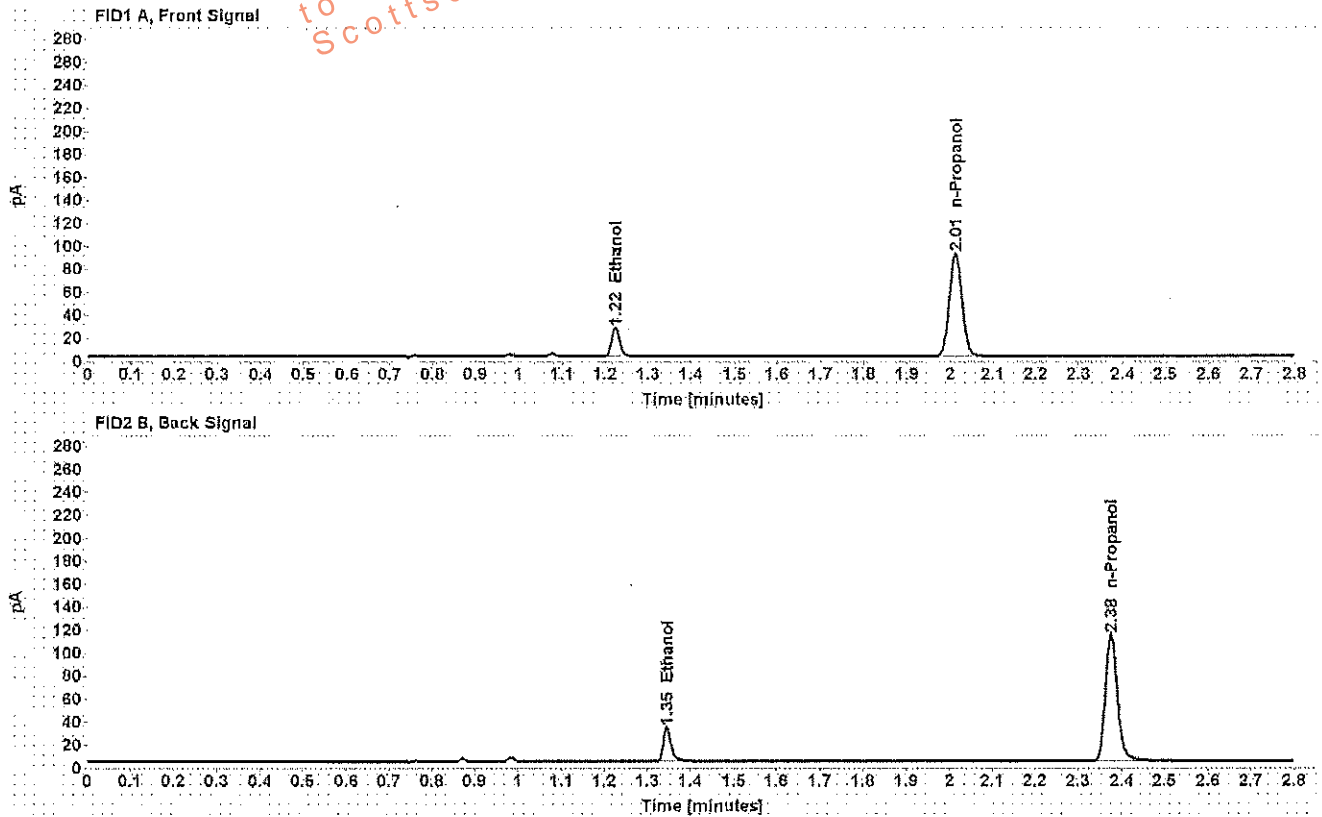


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0493 | 1.224 | 31.777 |
| n-Propanol | ----- | 2.013 | 182.414 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.346 | 36.585 |
| n-Propanol | 2.375 | 213.100 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1195972 |
| Injection date: 2/13/2018 11:01:57 AM | Vial: 32 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\32.D | |

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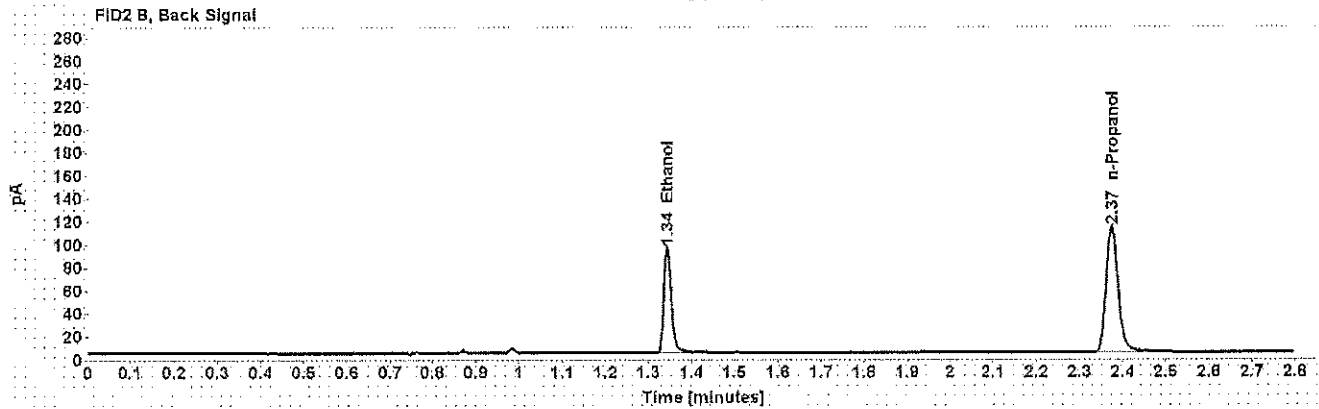
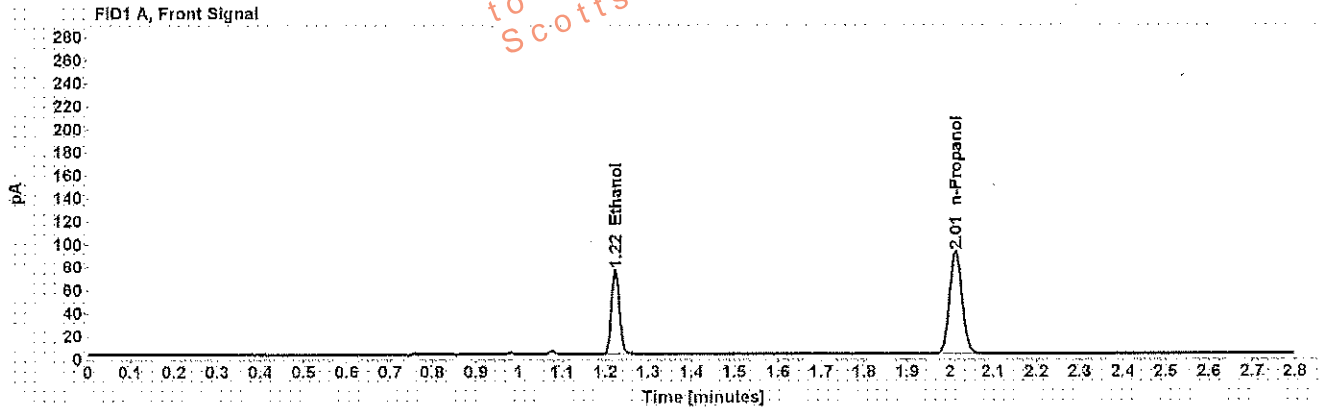


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.1442 | 1.223 | 94.069 |
| n-Propanol | ----- | 2.012 | 181.275 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.344 | 111.456 |
| n-Propanol | 2.375 | 212.204 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|-----------------------------|
| Sample: [REDACTED] | Item number: 1195972 |
| Injection date: 2/13/2018 11:05:56 AM | Vial: 33 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\33.D | |

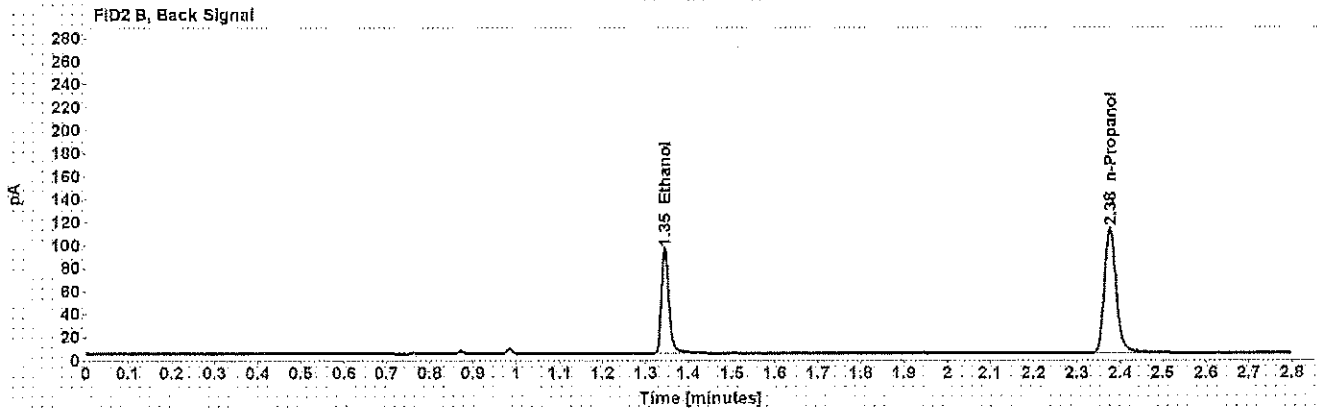
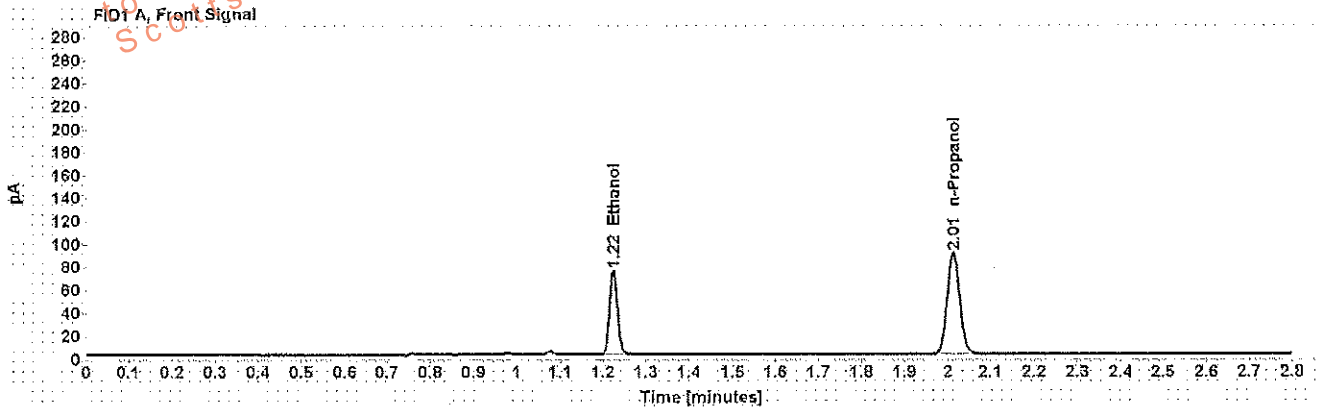


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.1449 | 1.224 | 93.901 |
| n-Propanol | ----- | 2.013 | 180.005 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.345 | 111.252 |
| n-Propanol | 2.378 | 210.820 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1194657 |
| Injection date: 2/13/2018 11:09:57 AM | Vial: 34 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\34.D | |

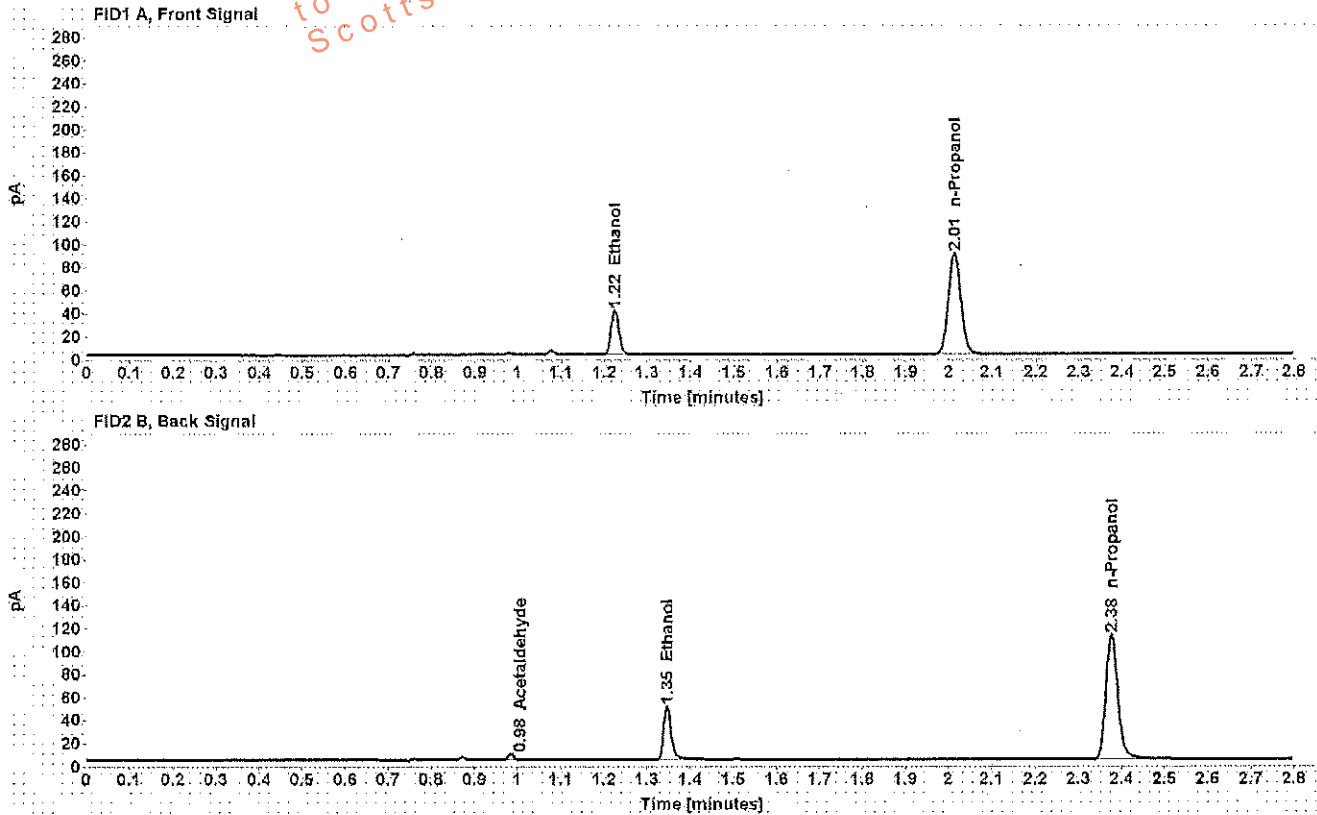


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0770 | 1.225 | 49.298 |
| n-Propanol | ----- | 2.014 | 179.347 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.985 | 4.497 |
| Ethanol | 1.346 | 57.316 |
| n-Propanol | 2.377 | 209.778 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1194657 |
| Injection date: 2/13/2018 11:13:56 AM | Vial: 35 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
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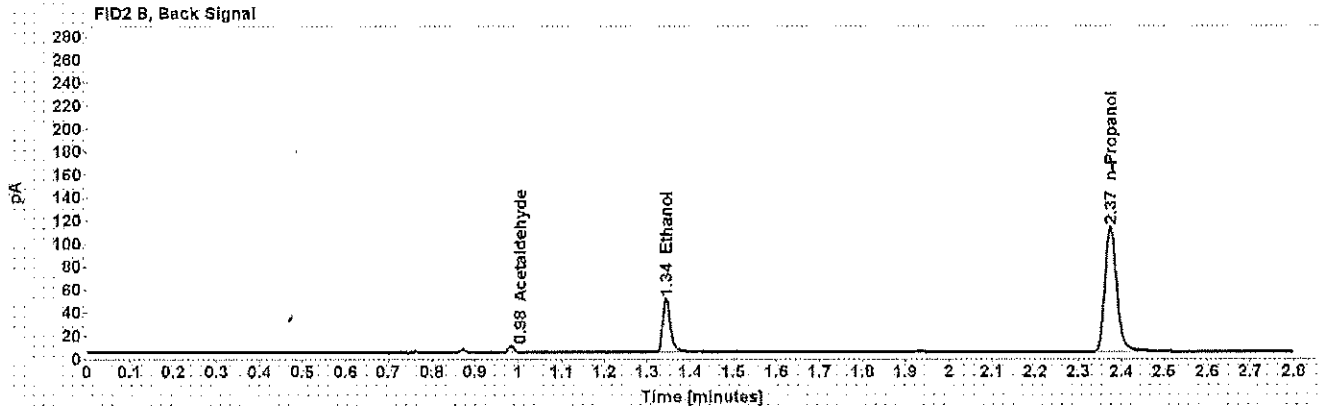
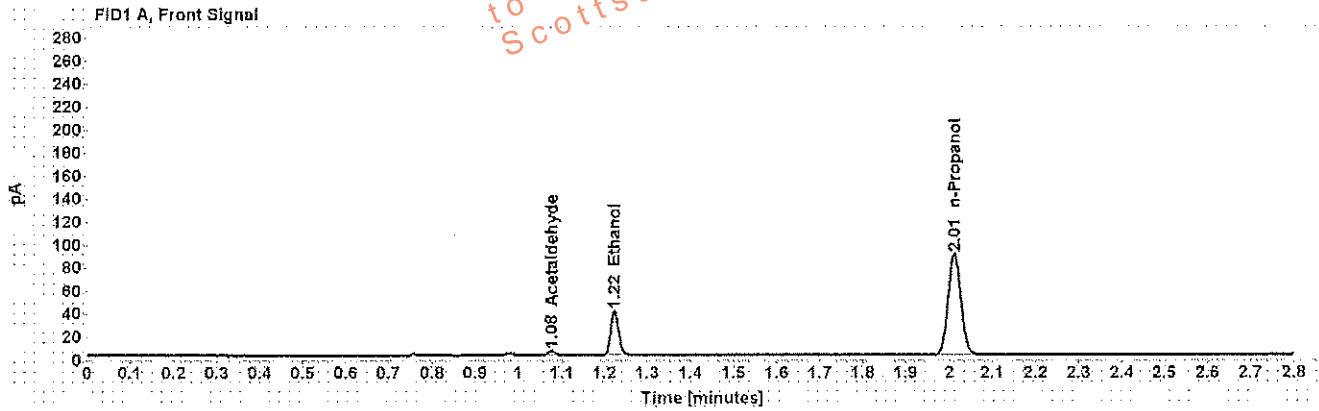


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 3.877 |
| >Ethanol | 0.0764 | 1.223 | 48.996 |
| n-Propanol | ----- | 2.012 | 179.778 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.983 | 4.879 |
| Ethanol | 1.344 | 57.204 |
| n-Propanol | 2.375 | 210.580 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1195963 |
| Injection date: 2/13/2018 11:17:56 AM | Vial: 36 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\36.D | |

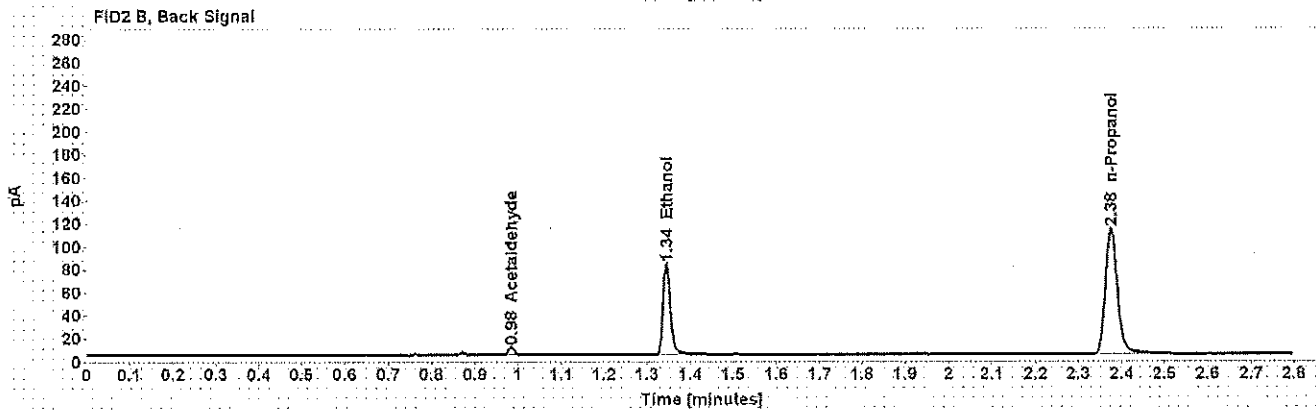
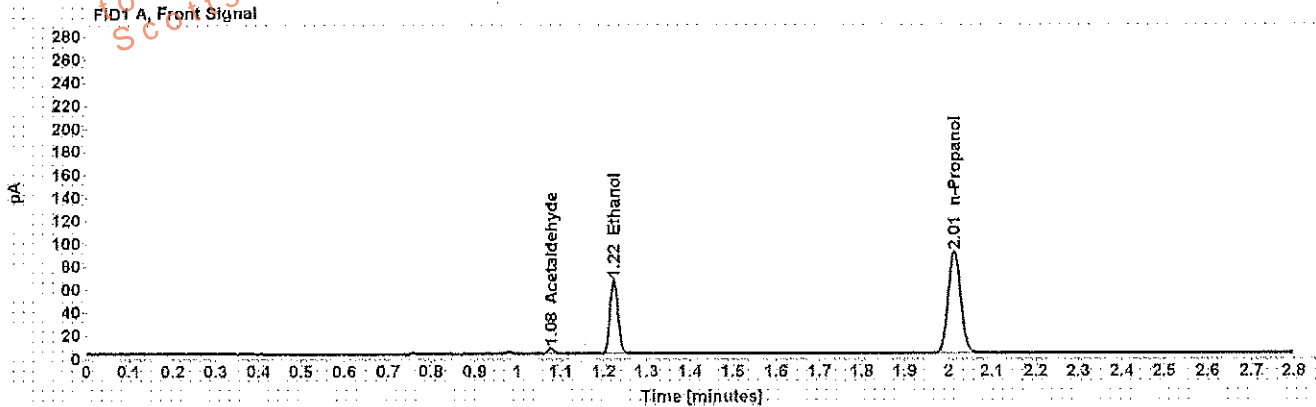


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.914 |
| >Ethanol | 0.1260 | 1.223 | 81.768 |
| n-Propanol | ----- | 2.013 | 180.581 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 6.200 |
| Ethanol | 1.344 | 96.251 |
| n-Propanol | 2.375 | 211.656 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1195963 |
| Injection date: 2/13/2018 11:22:12 AM | Vial: 37 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\37.D | |

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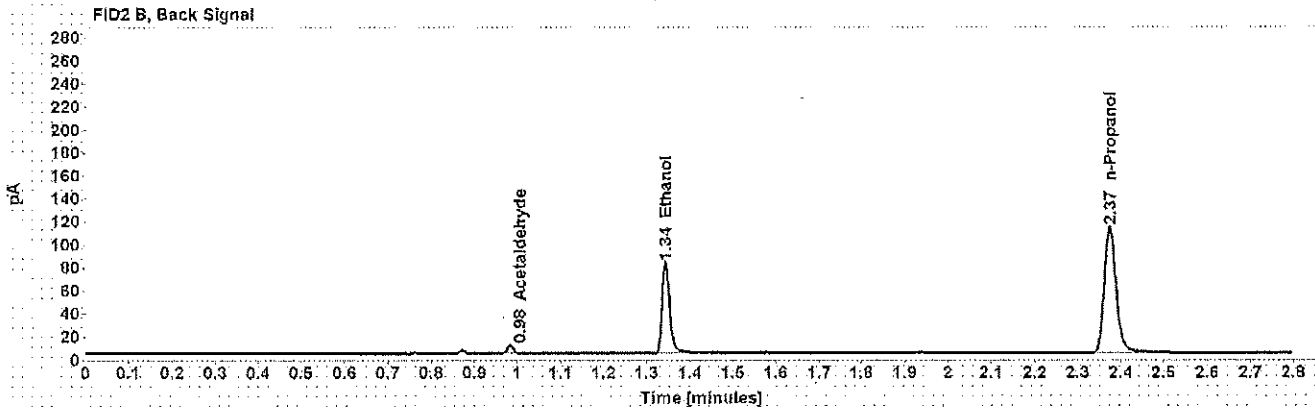
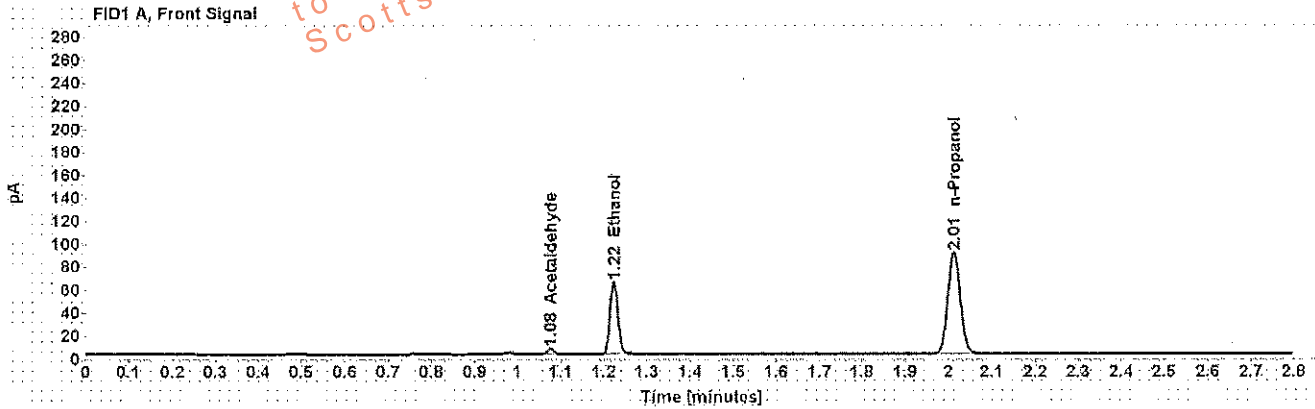


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 5.122 |
| >Ethanol | 0.1251 | 1.223 | 81.048 |
| n-Propanol | ----- | 2.012 | 180.203 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 6.482 |
| Ethanol | 1.344 | 95.099 |
| n-Propanol | 2.375 | 211.659 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1196135 |
| Injection date: 2/13/2018 11:26:12 AM | Vial: 38 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\38.D | |

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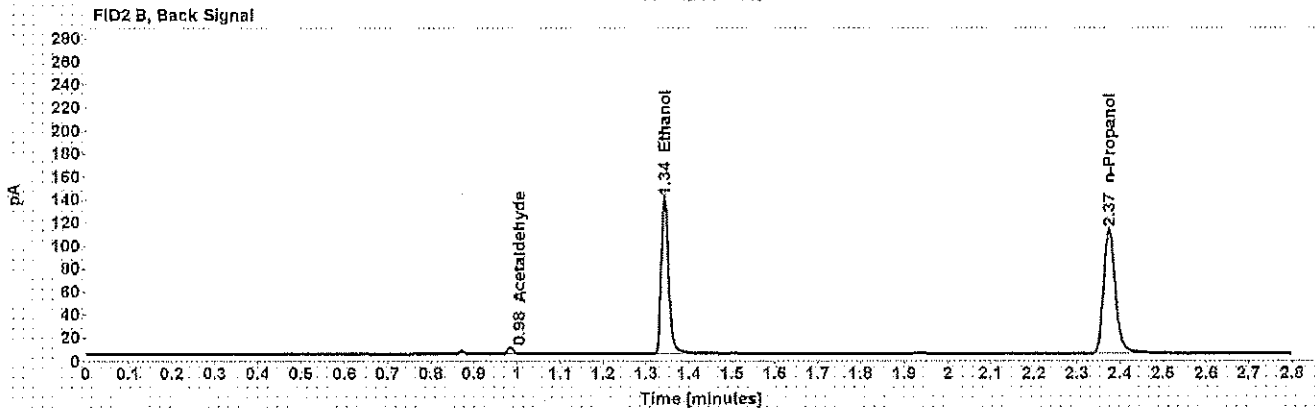
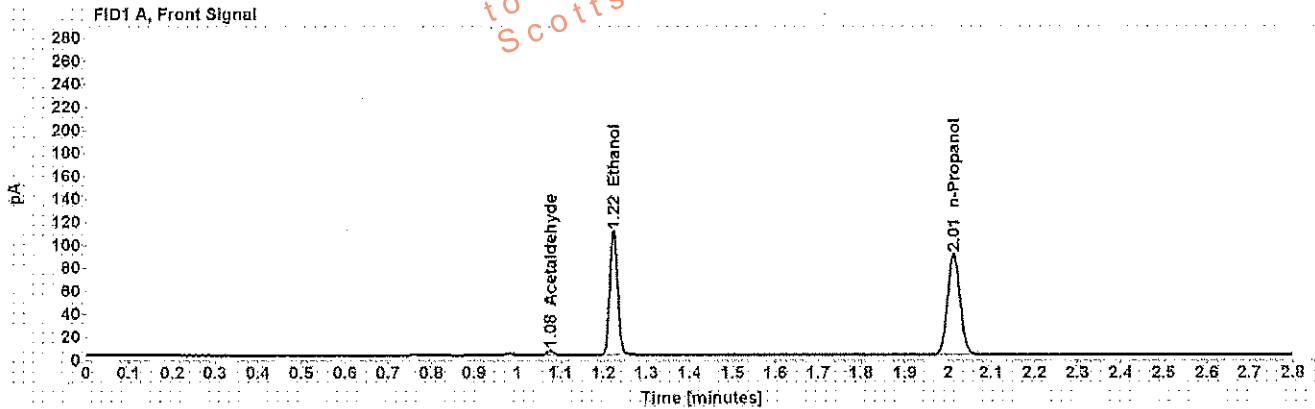


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.189 |
| >Ethanol | 0.2143 | 1.223 | 138.441 |
| n-Propanol | ----- | 2.013 | 178.902 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.994 | 5.287 |
| Ethanol | 1.343 | 164.275 |
| n-Propanol | 2.375 | 210.131 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|-----------------------------|
| Sample: [REDACTED] | Item number: 1196135 |
| Injection date: 2/13/2018 11:30:12 AM | Vial: 39 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\39.D | |

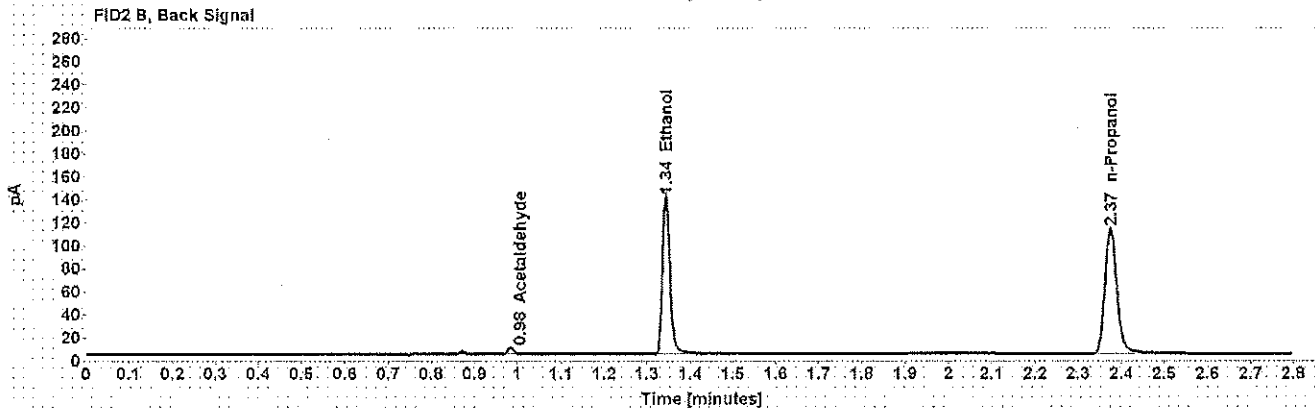
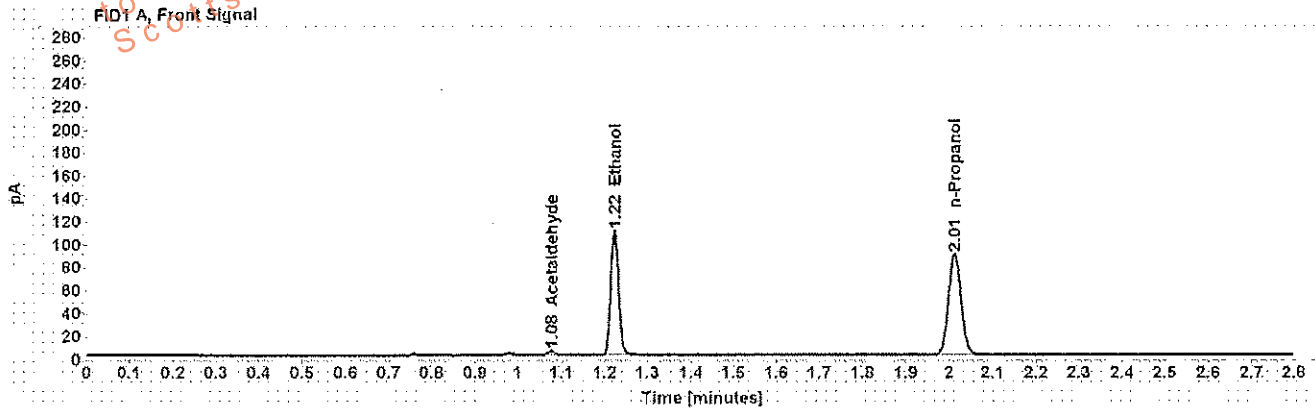


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.075 |
| >Ethanol | 0.2148 | 1.223 | 139.046 |
| n-Propanol | ----- | 2.012 | 179.321 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.173 |
| Ethanol | 1.343 | 165.657 |
| n-Propanol | 2.375 | 210.711 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1198044 |
| Injection date: 2/13/2018 11:34:12 AM | Vial: 40 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 N14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\40.D | |

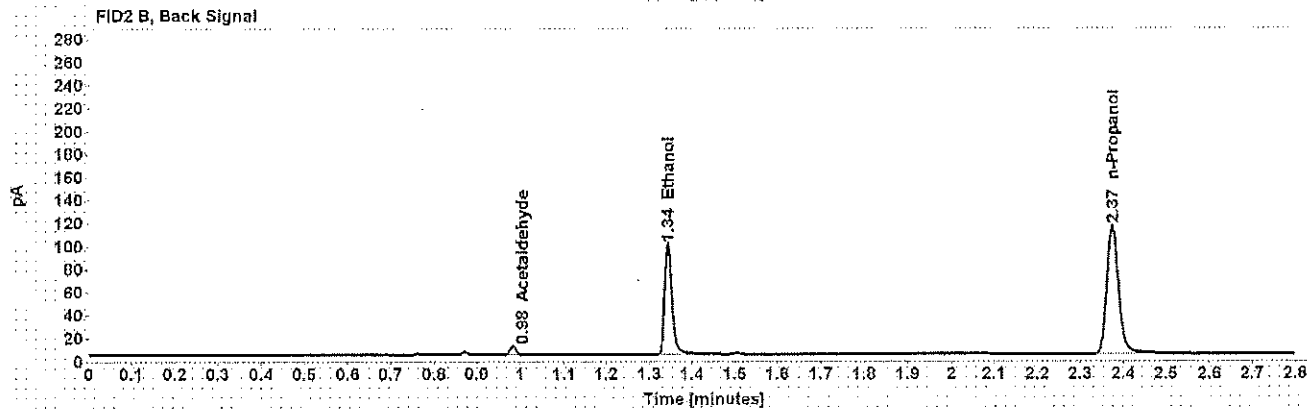
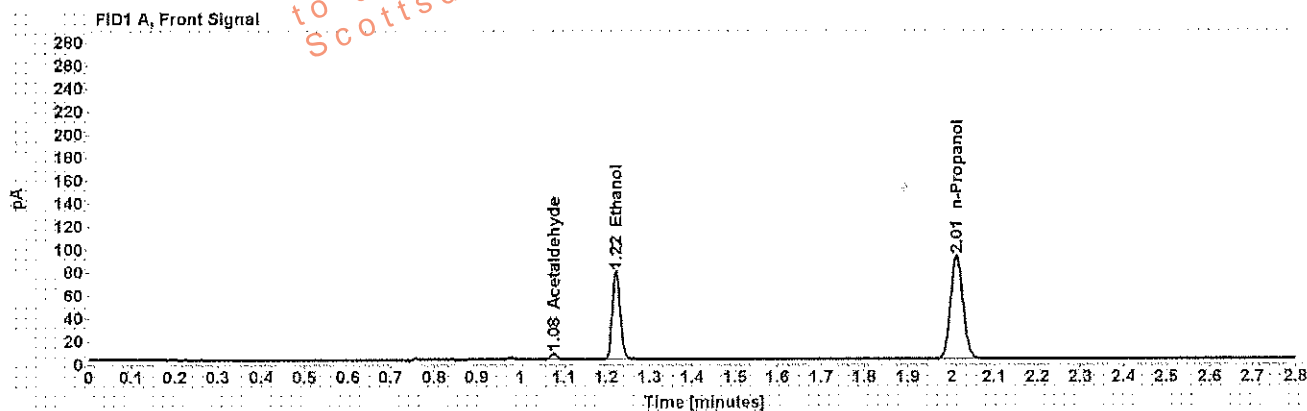


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 5.469 |
| >Ethanol | 0.1486 | 1.223 | 98.421 |
| n-Propanol | ----- | 2.012 | 183.992 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 6.906 |
| Ethanol | 1.343 | 116.611 |
| n-Propanol | 2.375 | 216.050 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1198044 |
| Injection date: 2/13/2018 11:38:11 AM | Vial: 41 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\41.D | |

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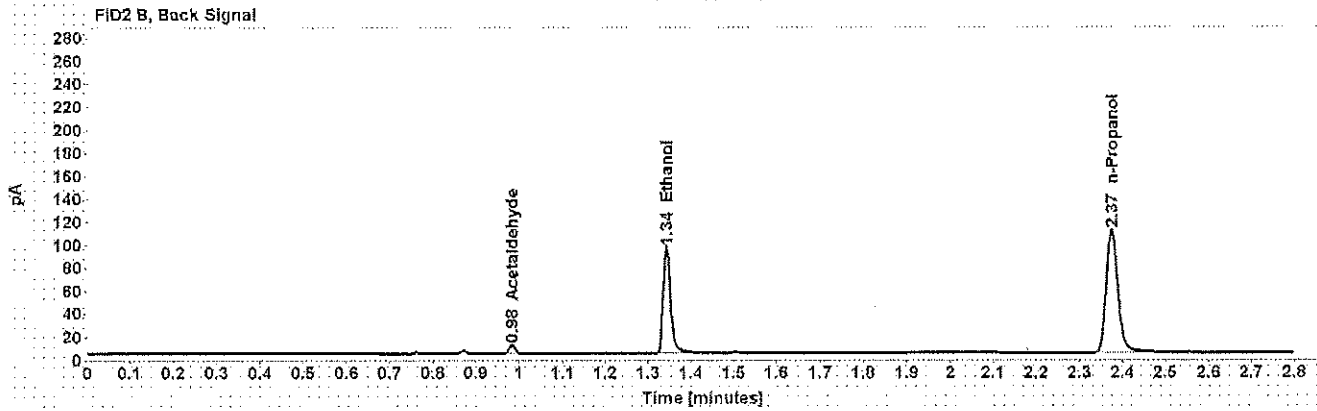
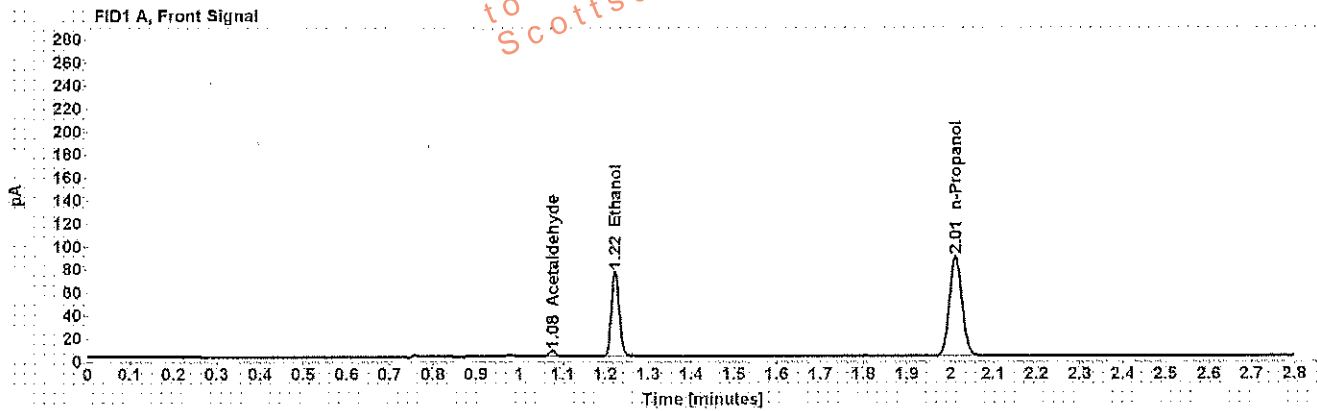


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|---------------------|---------------|--------------|
| Acetaldehyde | ----- | 1.077 | 5.334 |
| >Ethanol | 0.1487 | 1.223 | 94.786 |
| n-Propanol | ----- | 2.012 | 177.082 |

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

| Compound | Time (min) | Peak Area |
|--------------|---------------|--------------|
| Acetaldehyde | 0.983 | 6.724 |
| Ethanol | 1.343 | 111.681 |
| n-Propanol | 2.374 | 207.442 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1195977 |
| Injection date: 2/13/2018 11:46:27 AM | Vial: 43 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\1Data\13Feb18\43.D | |

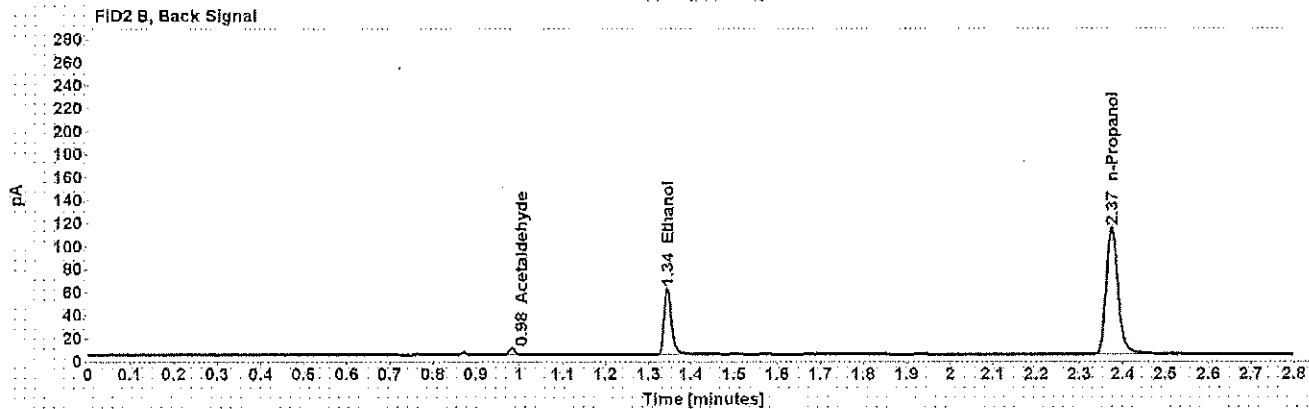
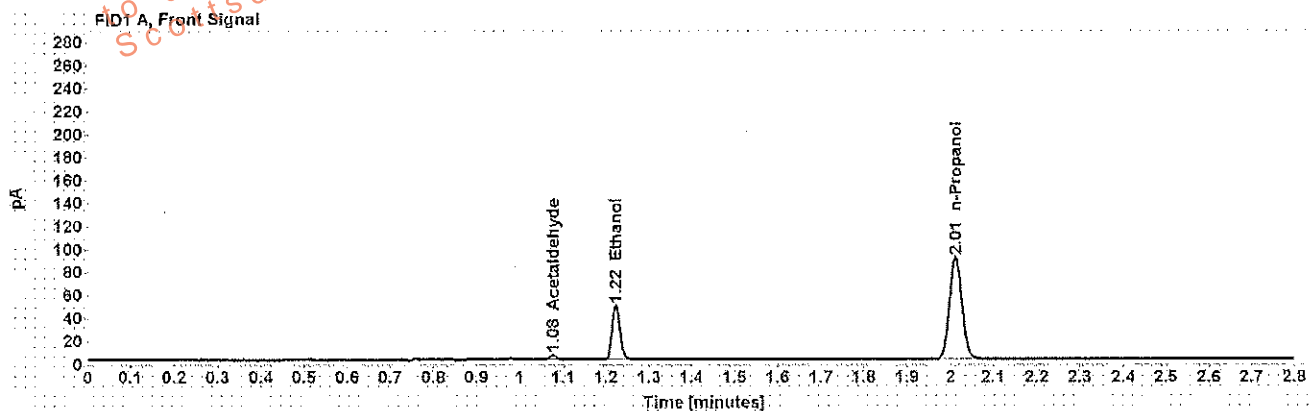


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.142 |
| >Ethanol | 0.0928 | 1.223 | 60.289 |
| n-Propanol | ----- | 2.012 | 181.515 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.224 |
| Ethanol | 1.344 | 70.251 |
| n-Propanol | 2.375 | 213.024 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|----------------------|
| Sample: [REDACTED] | Item number: 1195977 |
| Injection date: 2/13/2018 11:50:27 AM | Vial: 44 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\11\Data\13Feb18\44.D | |

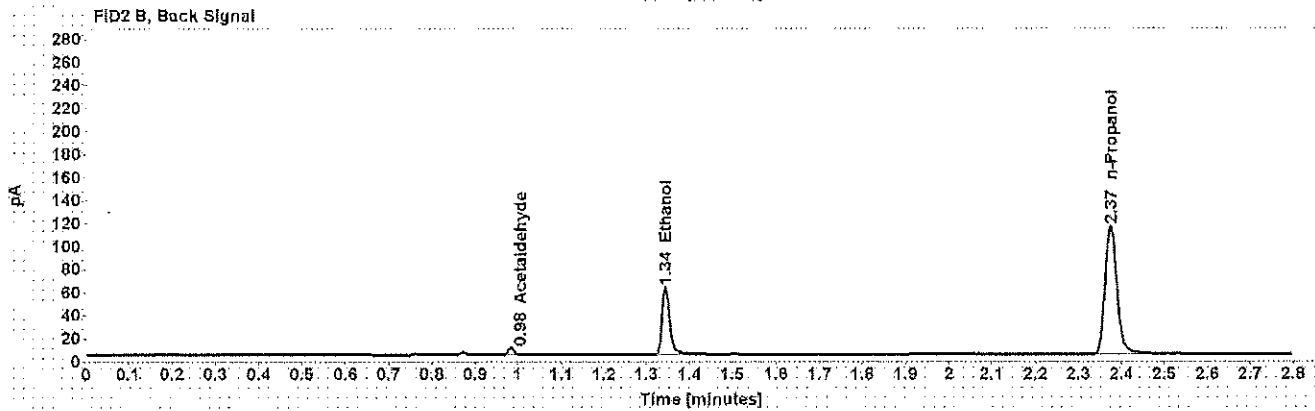
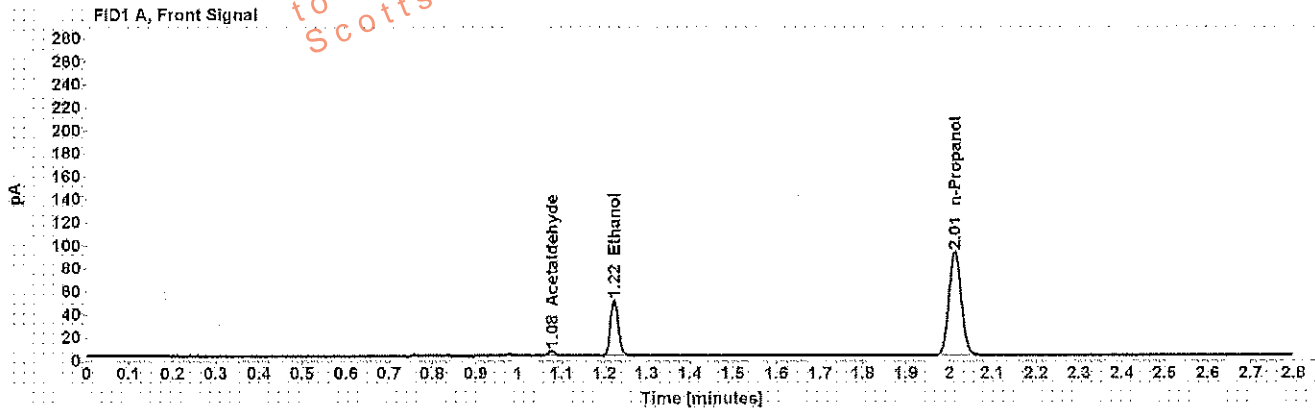


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.375 |
| >Ethanol | 0.0934 | 1.223 | 61.584 |
| n-Propanol | ----- | 2.012 | 184.190 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.519 |
| Ethanol | 1.344 | 72.002 |
| n-Propanol | 2.375 | 216.372 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1195809 |
| Injection date: 2/13/2018 11:54:26 AM | Vial: 45 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\45.D | |

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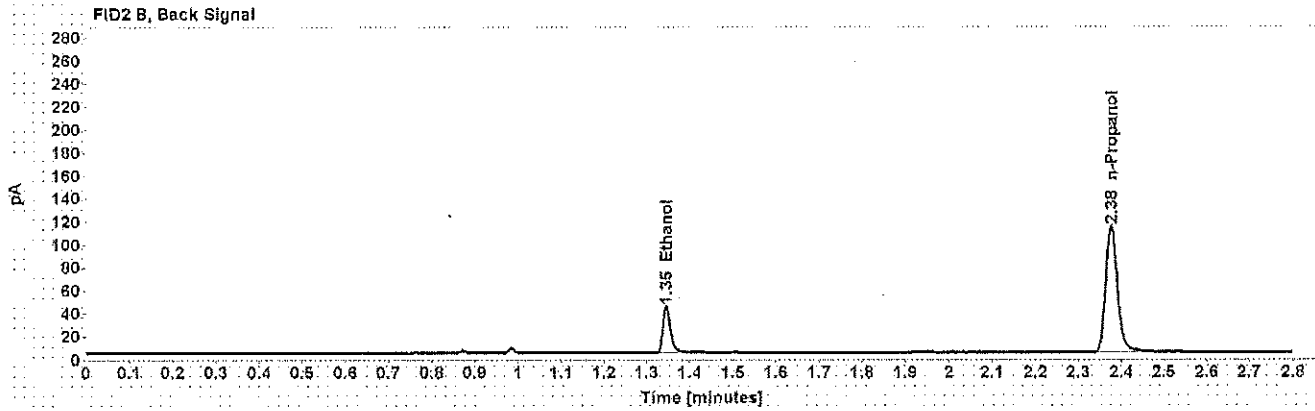
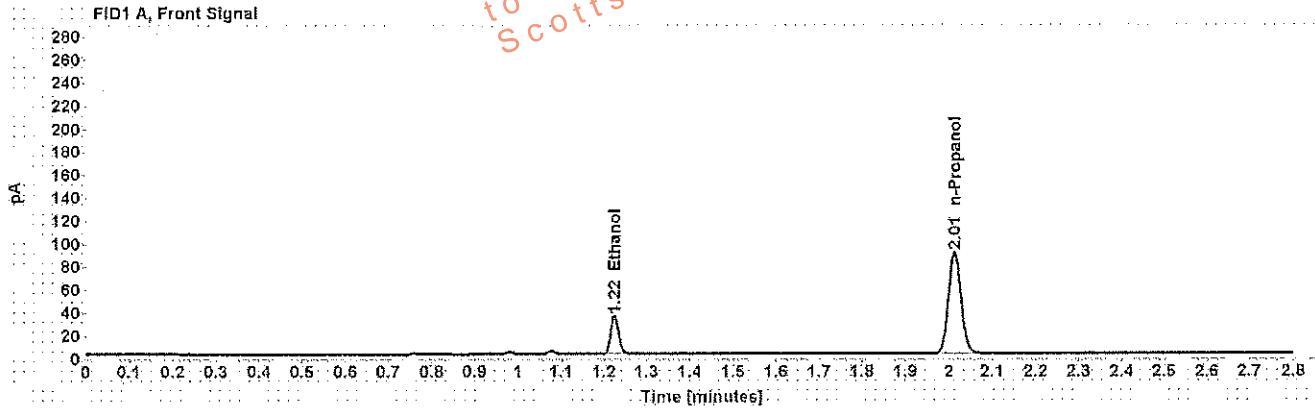


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0667 | 1.224 | 42.807 |
| n-Propanol | ----- | 2.013 | 180.287 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.346 | 49.739 |
| n-Propanol | 2.378 | 211.438 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1195809 |
| Injection date: 2/13/2018 11:58:27 AM | Vial: 46 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\46.D | |

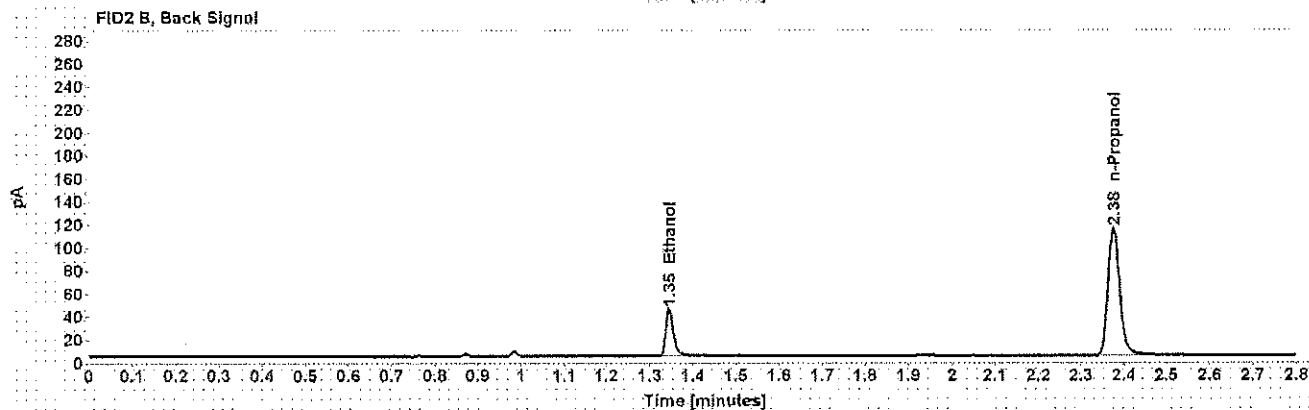
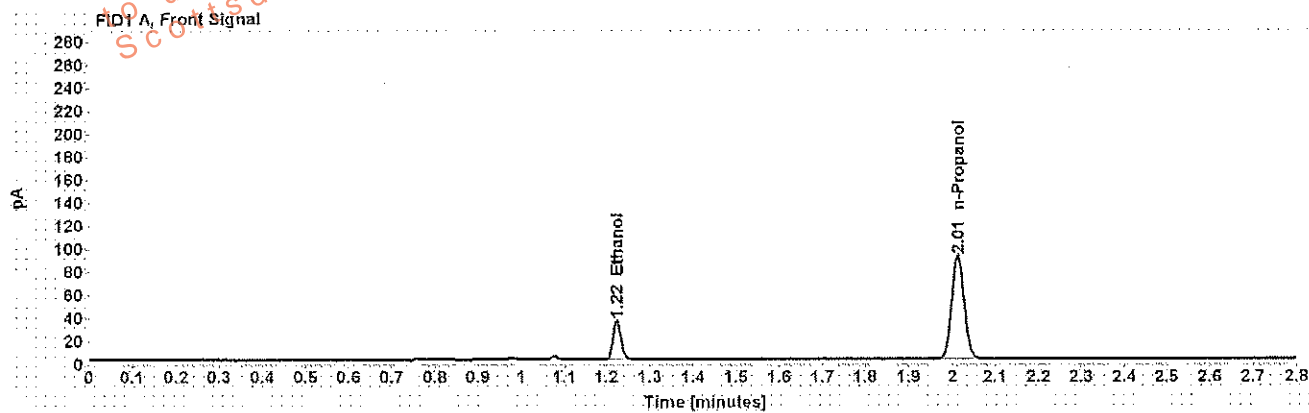


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|------------|------------------|------------|-----------|
| >Ethanol | 0.0667 | 1.224 | 43.475 |
| n-Propanol | ----- | 2.013 | 183.126 |

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

| Compound | Time (min) | Peak Area |
|------------|------------|-----------|
| Ethanol | 1.346 | 50.506 |
| n-Propanol | 2.376 | 215.010 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1195936 |
| Injection date: 2/13/2018 12:02:27 PM | Vial: 47 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\47.D | |

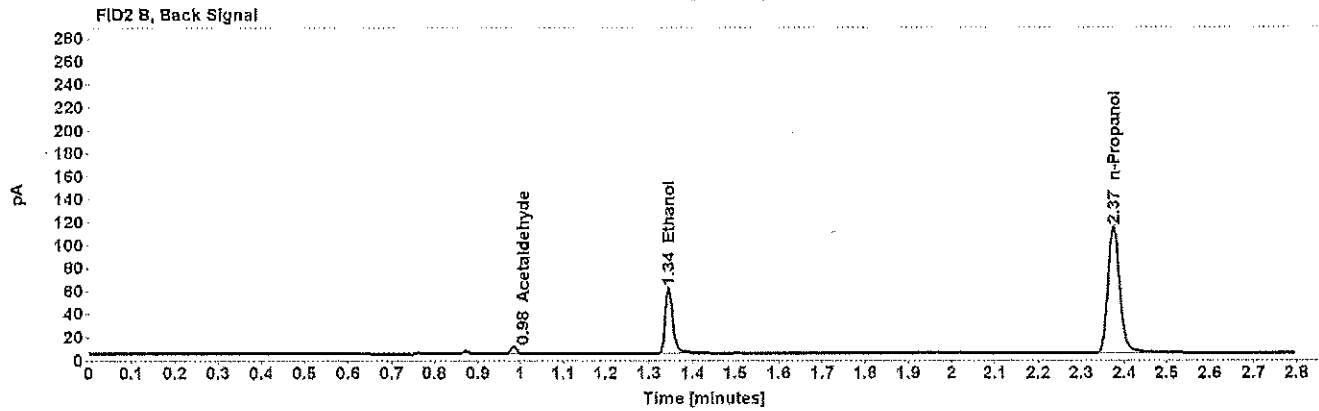
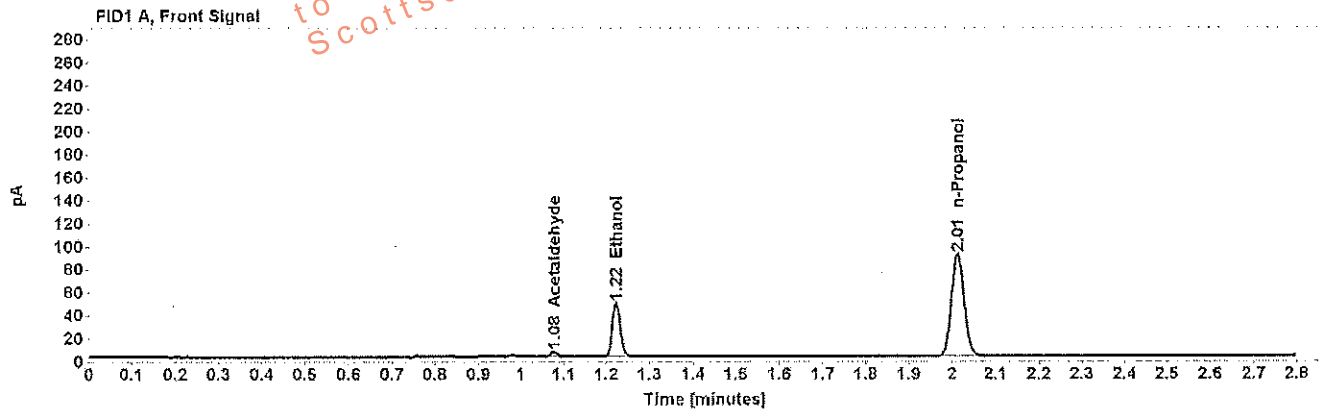


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.391 |
| >Ethanol | 0.0919 | 1.223 | 59.705 |
| n-Propanol | ----- | 2.012 | 181.542 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.551 |
| Ethanol | 1.344 | 69.717 |
| n-Propanol | 2.375 | 212.989 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1195936 |
| Injection date: 2/13/2018 12:06:27 PM | Vial: 48 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\48.D | |

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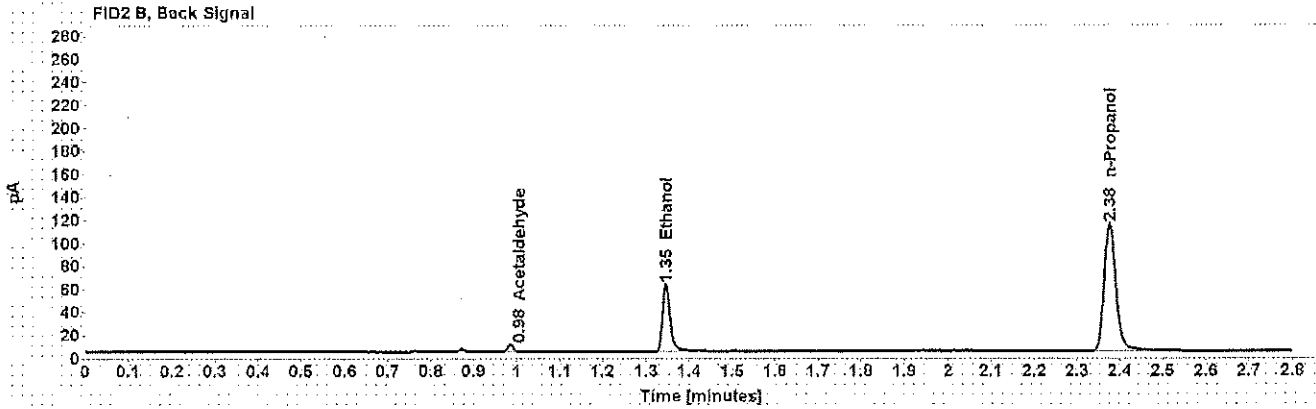
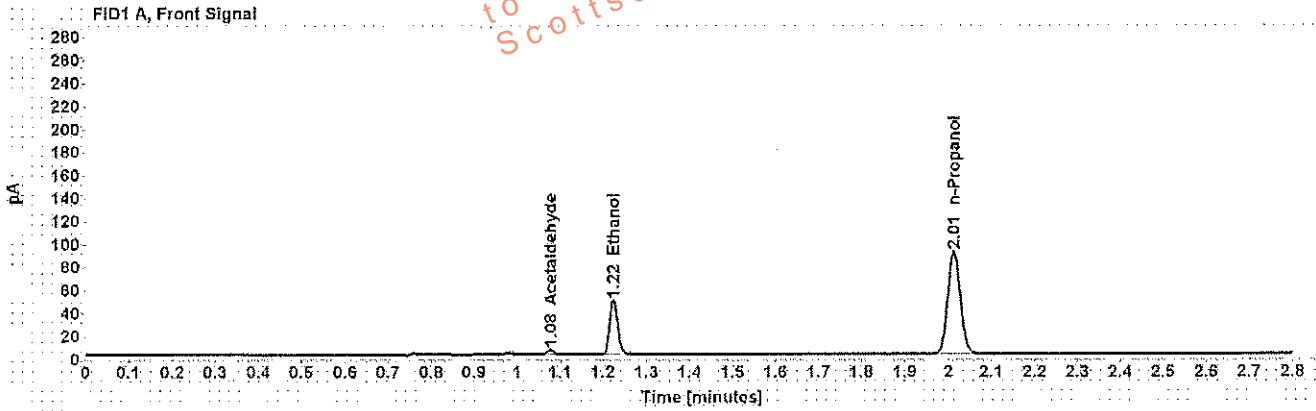


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.077 | 4.395 |
| >Ethanol | 0.0932 | 1.224 | 60.829 |
| n-Propanol | ----- | 2.014 | 182.294 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.984 | 5.528 |
| Ethanol | 1.346 | 71.039 |
| n-Propanol | 2.376 | 214.165 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|--|----------------------|
| Sample: [REDACTED] | Item number: 1194885 |
| Injection date: 2/13/2018 12:10:42 PM | Vial: 49 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem32\1\Data\13Feb18\49.D | |

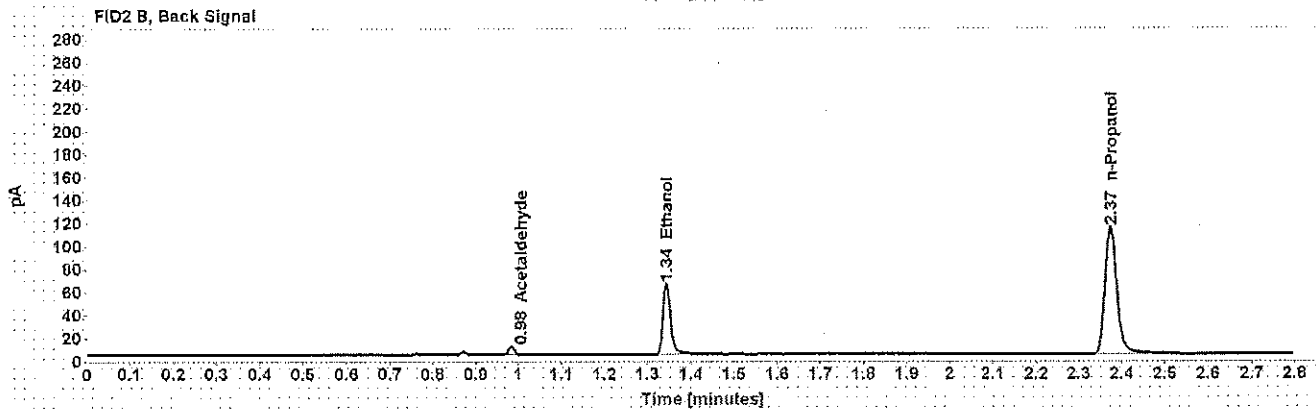
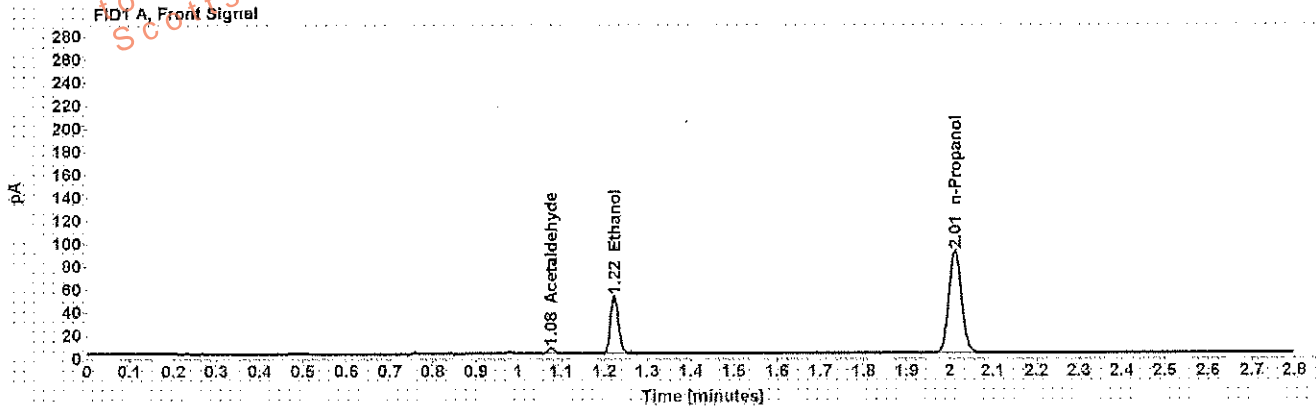


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 5.209 |
| >Ethanol | 0.0983 | 1.223 | 64.071 |
| n-Propanol | ----- | 2.012 | 181.938 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.983 | 6.586 |
| Ethanol | 1.344 | 74.944 |
| n-Propanol | 2.374 | 213.809 |

Scottsdale Police Department Crime Lab Volatiles Analysis

| | |
|---|-----------------------------|
| Sample: [REDACTED] | Item number: 1194885 |
| Injection date: 2/13/2018 12:14:42 PM | Vial: 50 |
| Method: ethanol quant.M | Sequence: 13Feb18 |
| Instrument: US14173023 CN14160045 | Analyst: Adrian |
| Data file: C:\Chem3211\Data\13Feb18\50.D | |

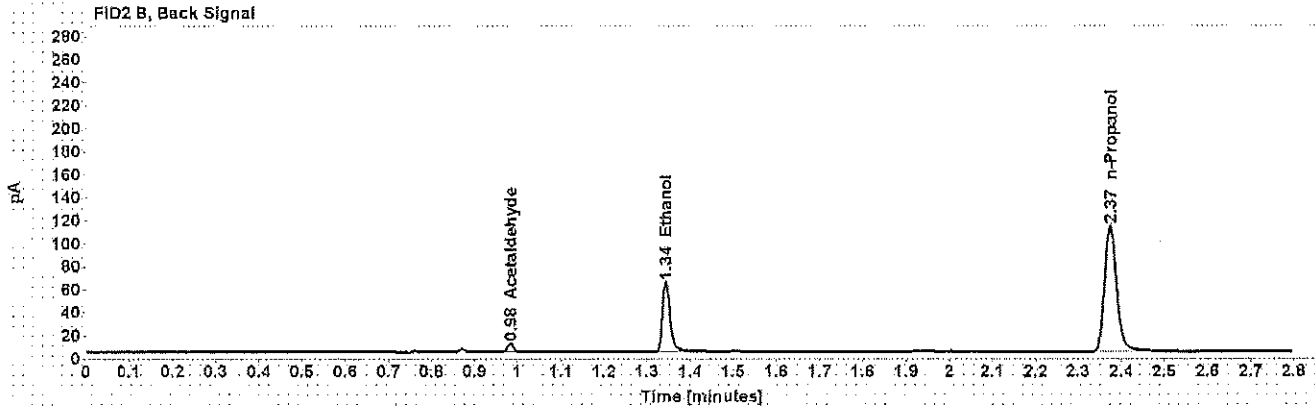
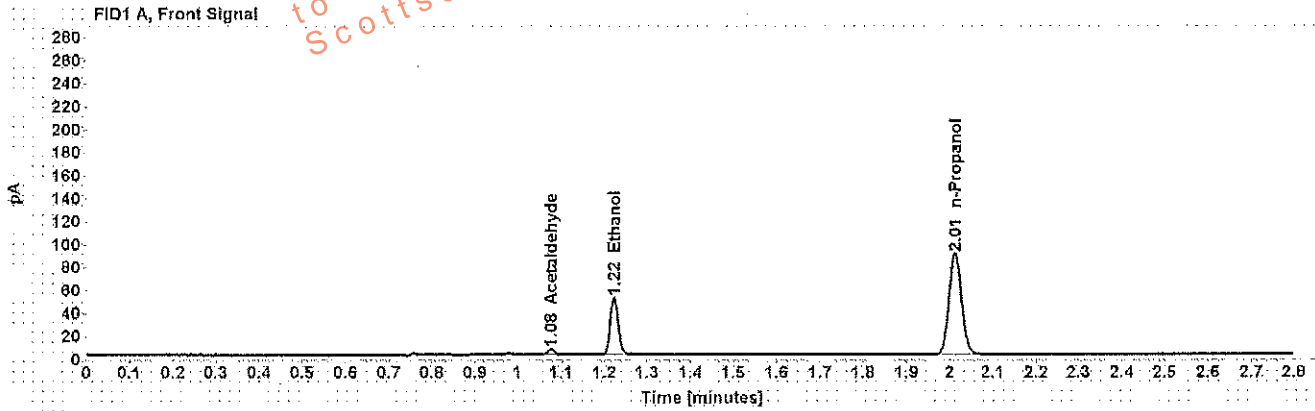


Table 1: FID 1 A (column DB-ALC1)

| Compound | Amount (g/100mL) | Time (min) | Peak Area |
|--------------|------------------|------------|-----------|
| Acetaldehyde | ----- | 1.076 | 5.286 |
| >Ethanol | 0.0984 | 1.223 | 63.546 |
| n-Propanol | ----- | 2.012 | 180.220 |

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

| Compound | Time (min) | Peak Area |
|--------------|------------|-----------|
| Acetaldehyde | 0.983 | 6.674 |
| Ethanol | 1.344 | 74.160 |
| n-Propanol | 2.374 | 211.617 |