

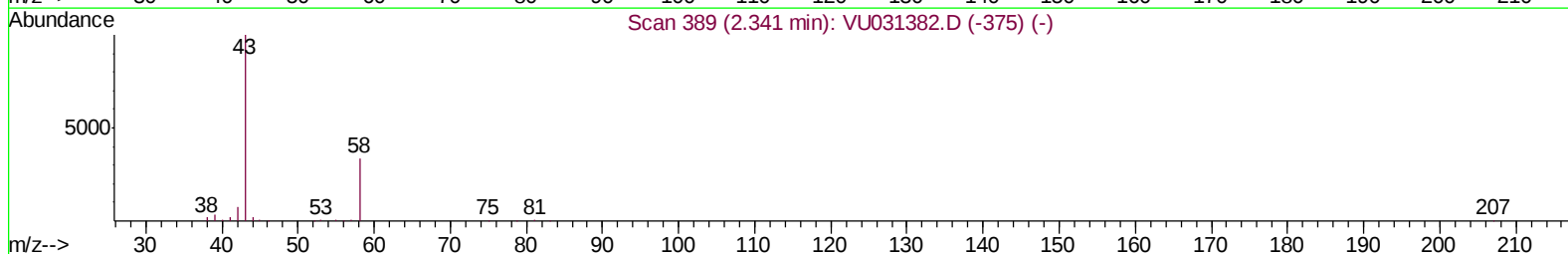
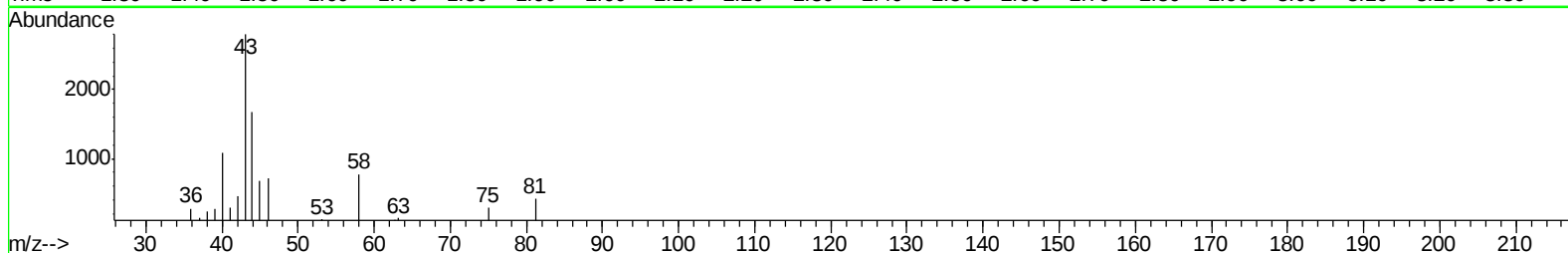
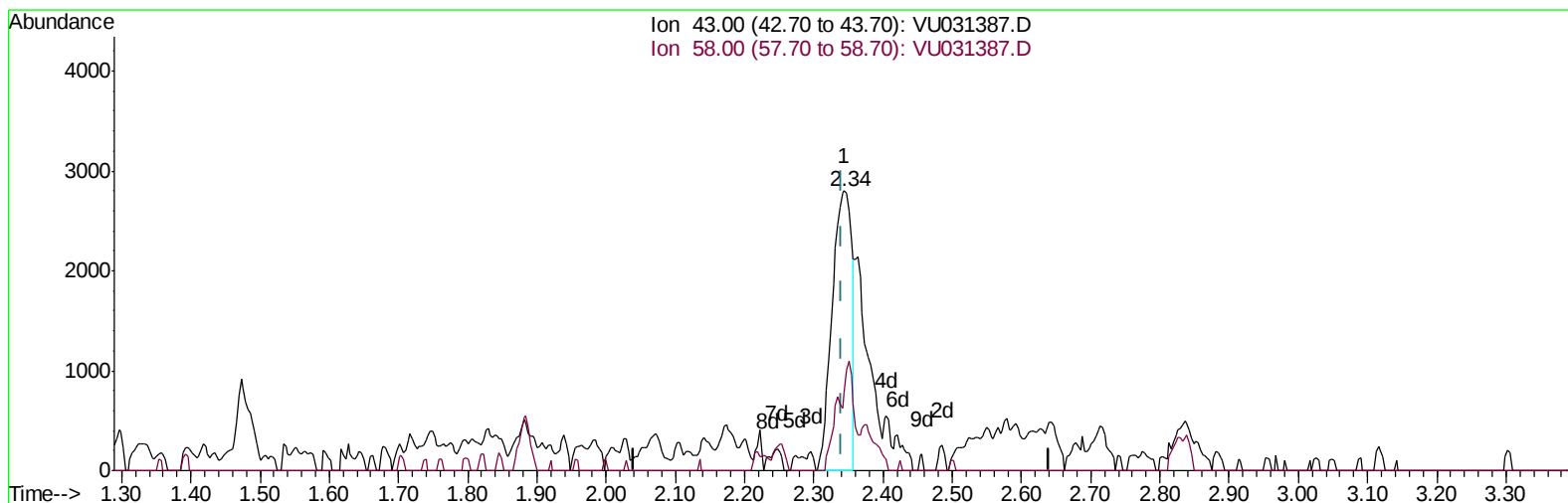
Data File : VU031387.D  
Acq On : 22 Apr 2019 12:28  
Operator : JC/SP  
Sample : K2428-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X14

Manual Integrations  
APPROVED

MMDadoda  
4/23/2019 11:04:17 AM

Quant Time: Apr 23 01:02:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 00:59:20 2019  
Response via : Initial Calibration



TIC: VU031387.D

(13) Acetone (T)

2.344min (+0.003) 1.61ug/L

response 5557

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 32.50 | 19.70 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

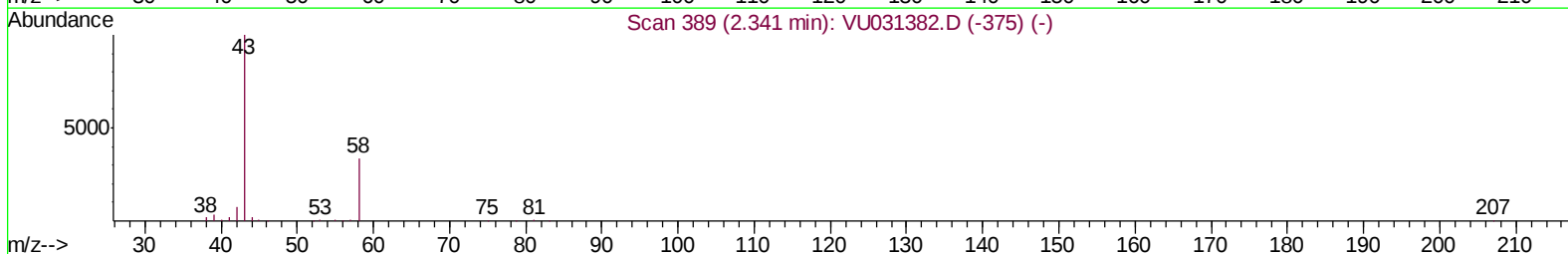
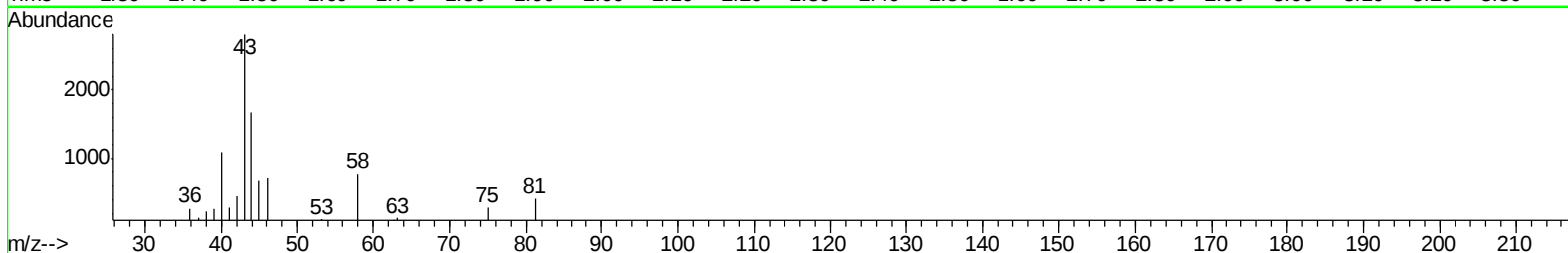
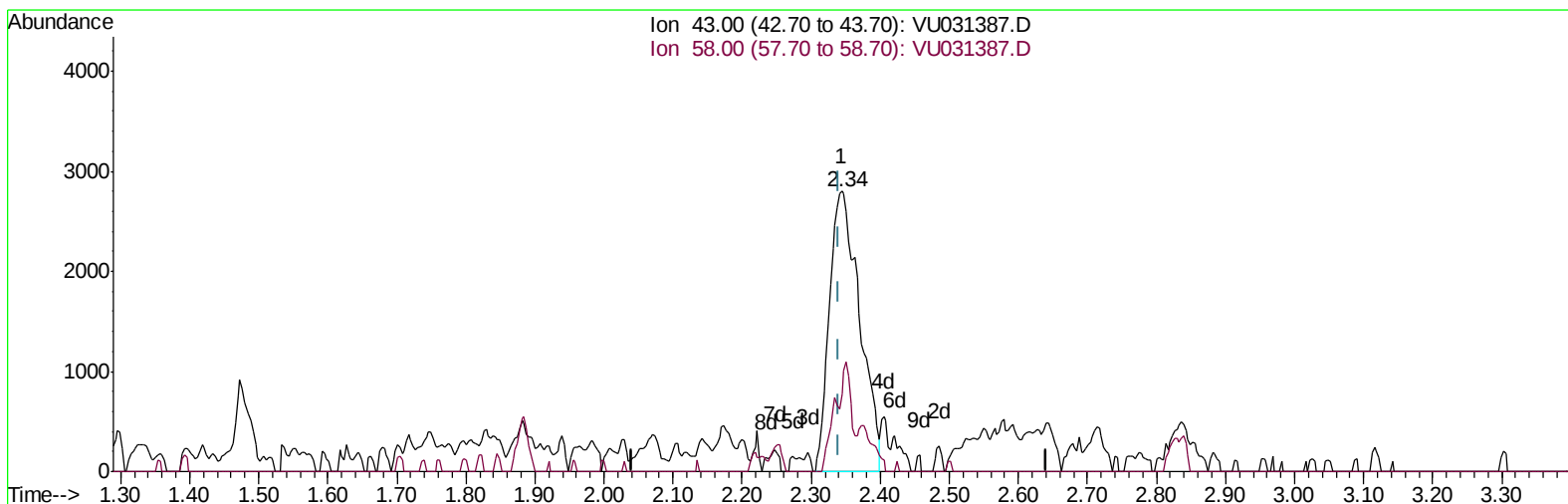
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TIC: VU031387.D

(13) Acetone (T)

2.344min (+0.003) 2.47ug/L m

response 8553

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 32.50 | 12.80 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data File : VU031387.D

Acq On : 22 Apr 2019 12:28

Operator : JC/SP

Sample : K2428-14

Misc : 5.0mL/MSVOA\_U/WATER

ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X14

Manual Integrations  
APPROVED

MMDadoda  
4/23/2019 11:04:17 AM

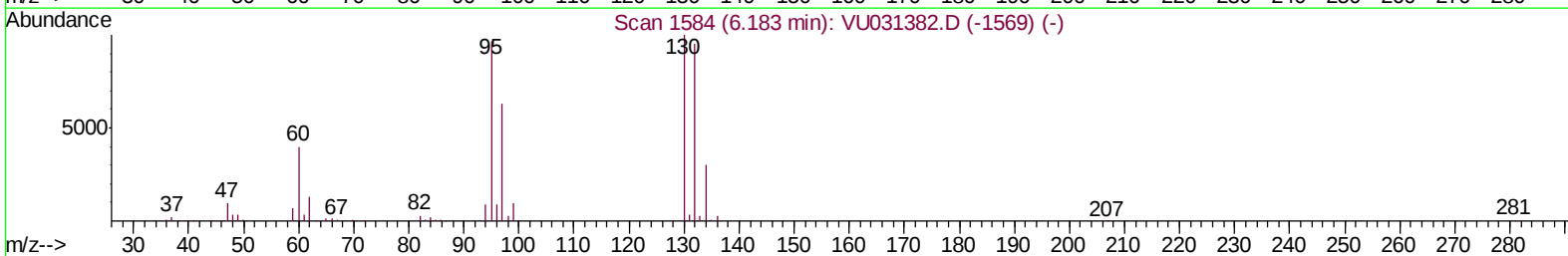
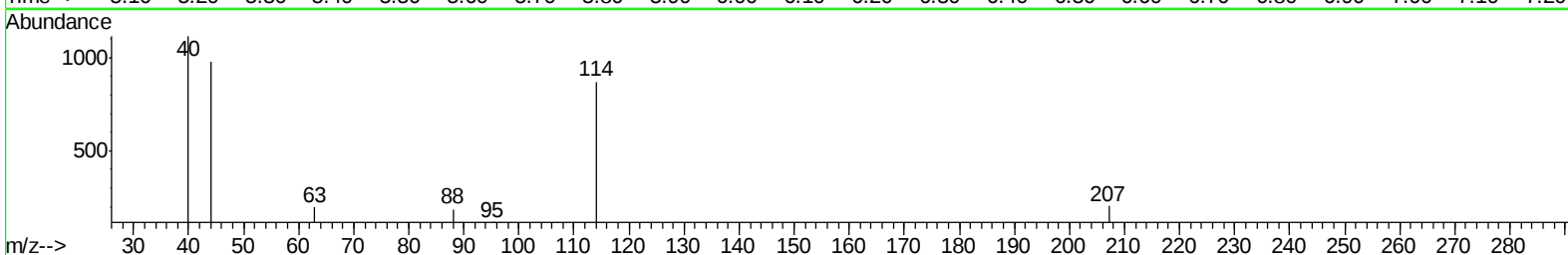
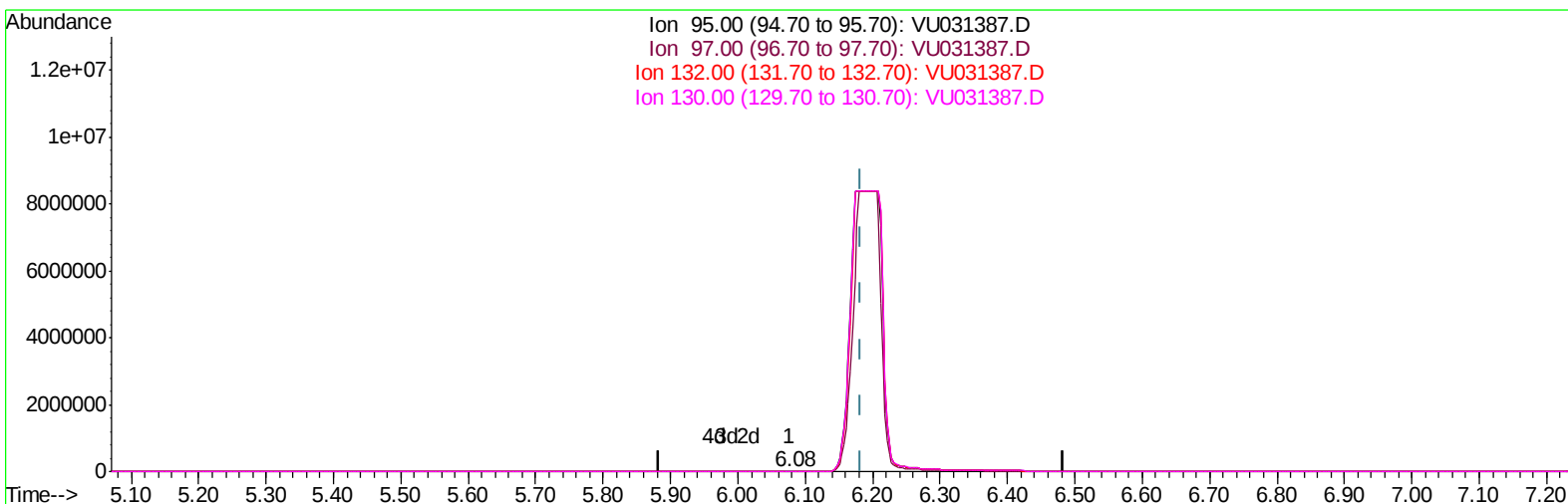
Quant Time: Apr 23 01:02:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 23 00:59:20 2019

Response via : Initial Calibration



TIC: VU031387.D

(34) Trichloroethene (T)

6.077min (-0.106) 0.01ug/L

response 42

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 95.00  | 100   | 100   |
| 97.00  | 62.30 | 0.00# |
| 132.00 | 92.10 | 0.00# |
| 130.00 | 97.10 | 0.00# |

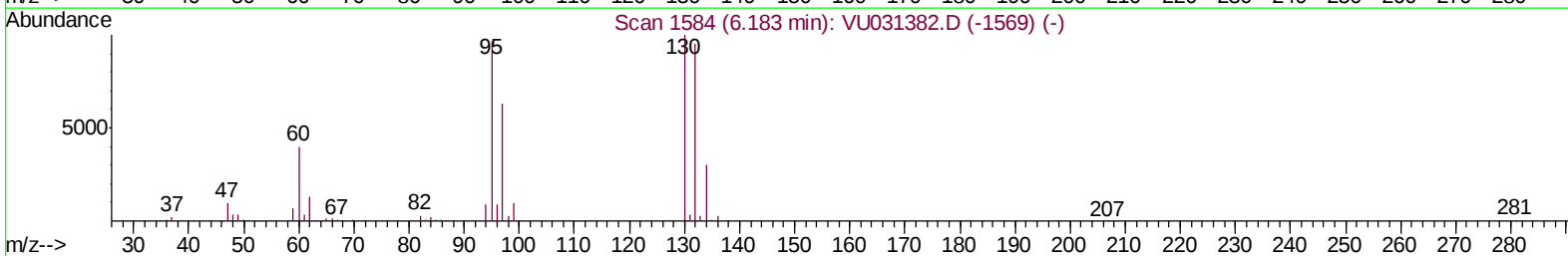
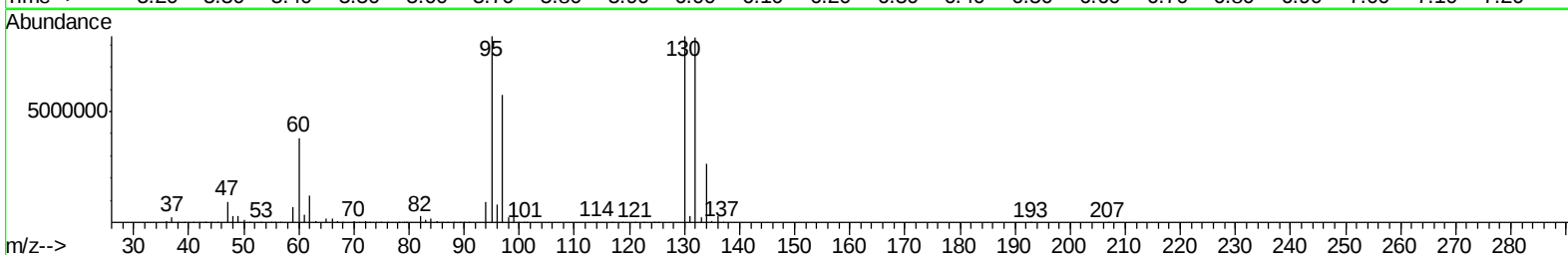
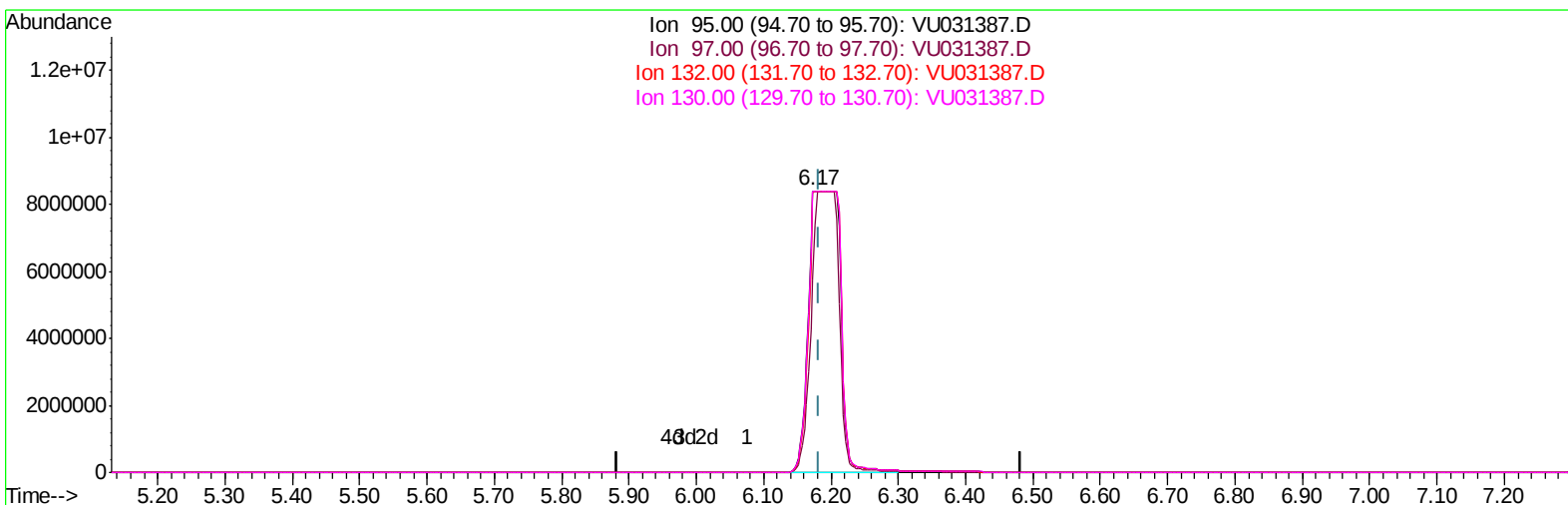
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Manual Integrations  
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Response via : Initial Calibration



TIC: VU031387.D

(34) Trichloroethene (T)

6.173min (-0.010) 5015.40ug/L m

response 26999415

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 95.00  | 100   | 100    |
| 97.00  | 62.30 | 68.61  |
| 132.00 | 92.10 | 99.46  |
| 130.00 | 97.10 | 100.00 |

Data File : VU031387.D  
Acq On : 22 Apr 2019 12:28  
Operator : JC/SP  
Sample : K2428-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
C0X14

Manual Integrations  
APPROVED

MMDadoda  
4/23/2019 11:04:17 AM

Quant Time: Apr 23 01:31:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 23 00:59:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 670077   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 639681   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 276053   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 182644   | 29.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 59.20%# |
| 7) Chloroethane-d5             | 1.68    | 69    | 157892   | 29.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 58.94%# |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 266412   | 21.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 43.58%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 380576   | 84.68    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 84.68%  |
| 24) Chloroform-d               | 4.64    | 84    | 328693   | 31.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 63.84%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 199594   | 31.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 62.96%# |
| 32) Benzene-d6                 | 5.34    | 84    | 675653   | 33.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 66.82%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 228768   | 34.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 69.72%# |
| 41) Toluene-d8                 | 7.56    | 98    | 597732   | 33.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 67.18%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 100382   | 32.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.00%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 274627   | 88.64    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.64%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 333253   | 36.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 73.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 217391   | 34.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 68.68%# |

#### Target Compounds

|                              |      |     |           |          |      | Qvalue |
|------------------------------|------|-----|-----------|----------|------|--------|
| 9) Trichlorofluoromethane    | 1.88 | 101 | 690017    | 67.596   | ug/L | 99     |
| 13) Acetone                  | 2.34 | 43  | 8553m     | 2.473    | ug/L |        |
| 17) trans-1,2-Dichloroethene | 2.98 | 96  | 5900      | 1.236    | ug/L | 100    |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96  | 59989     | 10.802   | ug/L | 92     |
| 31) Carbon tetrachloride     | 5.13 | 117 | 10914     | 1.490    | ug/L | 94     |
| 34) Trichloroethene          | 6.17 | 95  | 26999415m | 5015.398 | ug/L |        |
| 45) 1,1,2-Trichloroethane    | 8.07 | 97  | 8584      | 1.674    | ug/L | 97     |
| 46) Tetrachloroethene        | 8.22 | 164 | 1730731   | 427.446  | ug/L | 98     |
| 51) Chlorobenzene            | 9.12 | 112 | 6952      | 0.520    | ug/L | 93     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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