

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU030419\  
 Data File : VU029783.D  
 Acq On : 04 Mar 2019 14:24  
 Operator : JC/SP  
 Sample : K1657-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB660

Quant Time: Mar 05 01:12:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 05 00:37:02 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 405879   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 391827   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 195363   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 124164   | 41.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.50%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 115093   | 43.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.06%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 189434   | 32.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.16%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 228779   | 126.40   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 126.40% |
| 24) Chloroform-d               | 4.64    | 84    | 258285   | 53.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.08% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 163748   | 53.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.24% |
| 32) Benzene-d6                 | 5.34    | 84    | 553014   | 56.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 112.18% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 174395   | 58.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 117.58% |
| 41) Toluene-d8                 | 7.56    | 98    | 508447   | 50.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.06% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 80517    | 51.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 102.34% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 189559   | 114.75   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.75% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 278757   | 55.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 111.24% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 221908   | 52.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.42% |

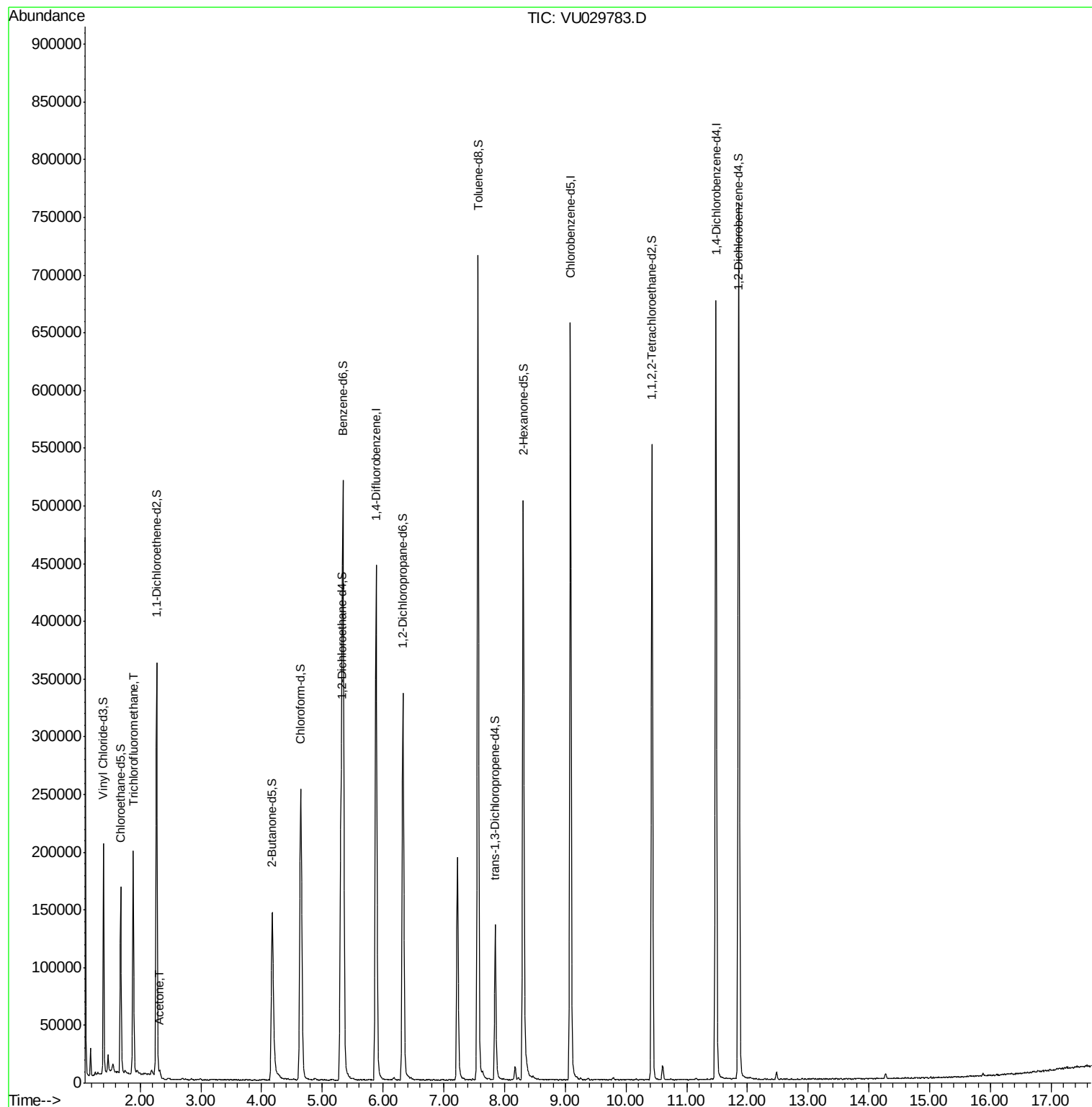
| Target Compounds          |      |     |        |             | Qvalue |
|---------------------------|------|-----|--------|-------------|--------|
| 9) Trichlorofluoromethane | 1.88 | 101 | 118763 | 22.470 ug/L | 100    |
| 13) Acetone               | 2.32 | 43  | 5210   | 2.694 ug/L  | 94     |

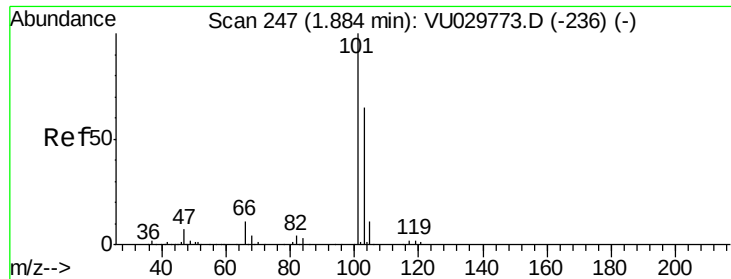
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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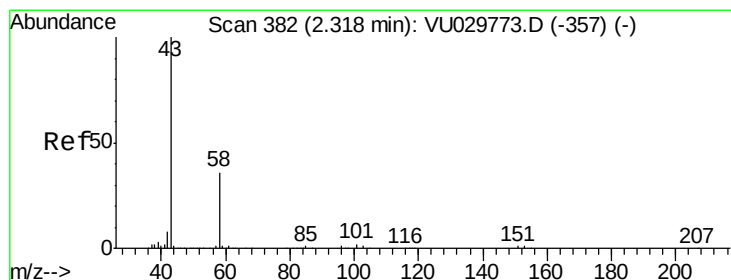
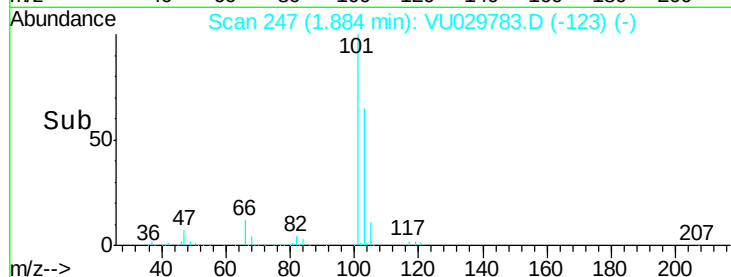
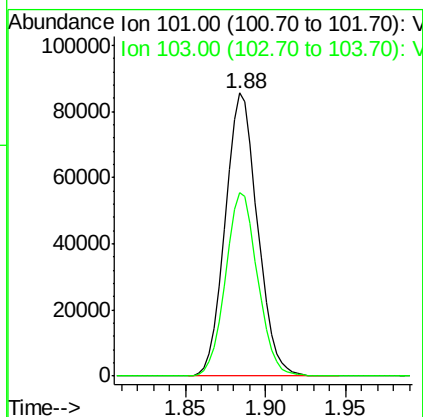
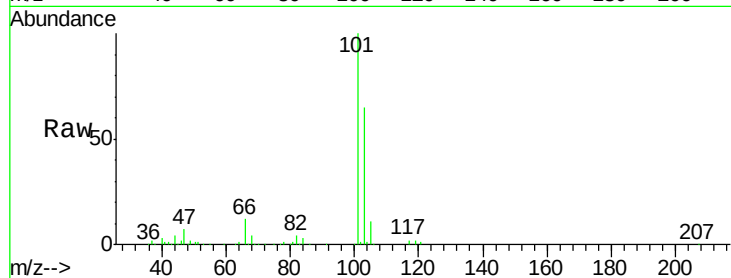


#9

Trichlorofluoromethane  
 Concen: 22.470 ug/L  
 RT: 1.88 min Scan# 247  
 Delta R.T. -0.00 min  
 Lab File: VU029783.D  
 Acq: 04 Mar 2019 14:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB660

Tgt Ion:101 Resp: 118763  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 51.4 77.2



#13

Acetone  
 Concen: 2.694 ug/L  
 RT: 2.32 min Scan# 383  
 Delta R.T. 0.00 min  
 Lab File: VU029783.D  
 Acq: 04 Mar 2019 14:24

Tgt Ion: 43 Resp: 5210  
 Ion Ratio Lower Upper  
 43 100  
 58 36.8 0.0 66.8

