

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\  
 Data File : VU031240.D  
 Acq On : 17 Apr 2019 04:02  
 Operator : JC/SP  
 Sample : K2428-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XF4

Quant Time: Apr 17 06:30:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 17 04:13:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 489714   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 498674   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 184310   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 170629   | 37.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.66%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 164351   | 41.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.94%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 285230   | 31.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.86%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 292662   | 89.10    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.10%  |
| 24) Chloroform-d               | 4.64    | 84    | 316999   | 42.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.26%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 205637   | 44.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.76%  |
| 32) Benzene-d6                 | 5.34    | 84    | 644102   | 40.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.72%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 211645   | 41.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.74%  |
| 41) Toluene-d8                 | 7.56    | 98    | 514841   | 37.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 74.22%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 91764    | 37.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.04%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 212620   | 88.03    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.03%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 290724   | 40.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.86%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 189501   | 44.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.66%  |

## Target Compounds

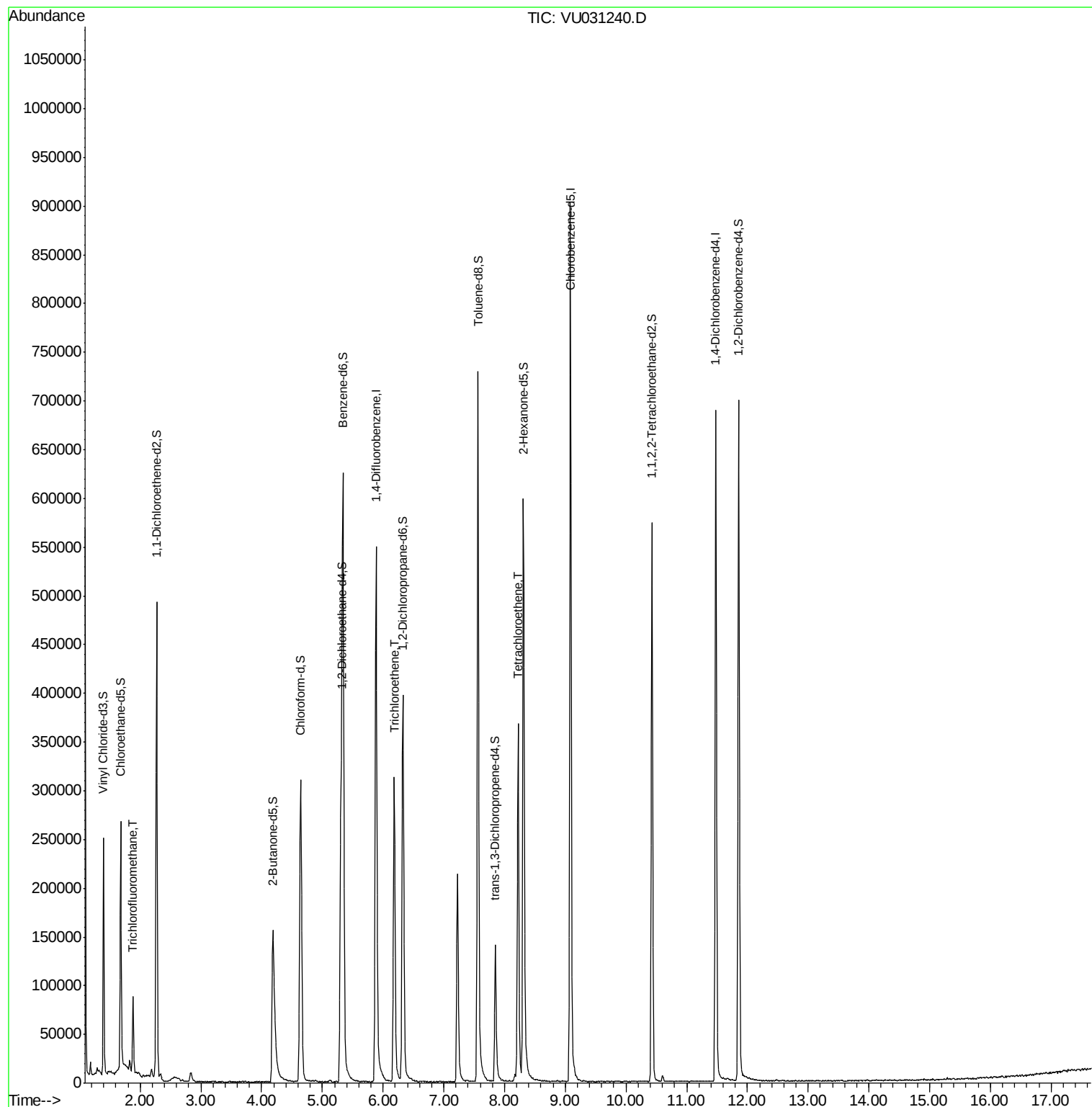
| Target Compounds          | R.T. | QIon | Response | Conc   | Units | Ovalue |
|---------------------------|------|------|----------|--------|-------|--------|
| 9) Trichlorofluoromethane | 1.88 | 101  | 44862    | 6.013  | ug/L  | 99     |
| 34) Trichloroethene       | 6.18 | 95   | 118054   | 28.131 | ug/L  | 98     |
| 46) Tetrachloroethene     | 8.22 | 164  | 87168    | 27.616 | ug/L  | 99     |

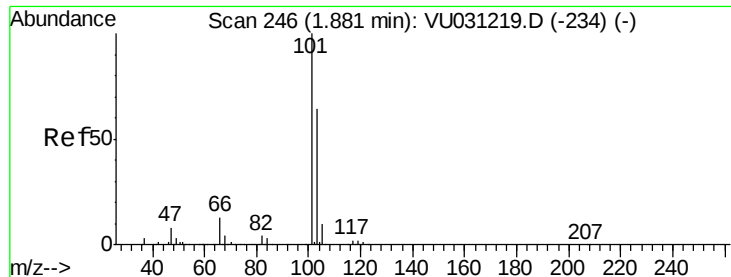
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041719\  
Data File : VU031240.D  
Acq On : 17 Apr 2019 04:02  
Operator : JC/SP  
Sample : K2428-05  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XF4

Quant Time: Apr 17 06:30:12 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 17 04:13:40 2019  
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 6.013 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031240.D

Acq: 17 Apr 2019 04:02

Instrument :

MSVOA\_U

ClientSampleId :

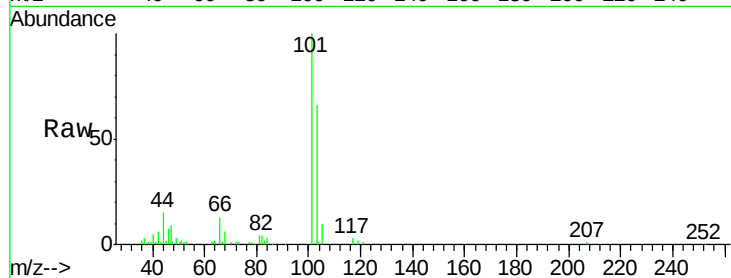
C0XF4

Tot Ion:101 Resp: 44862

Ion Ratio Lower Upper

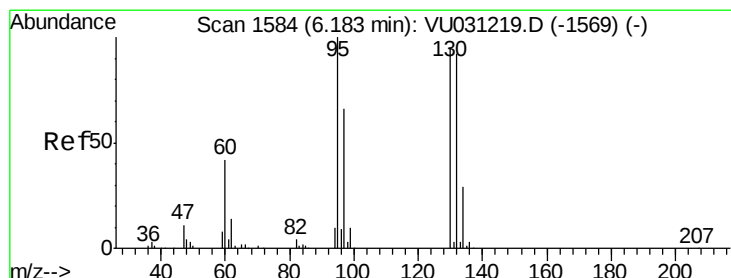
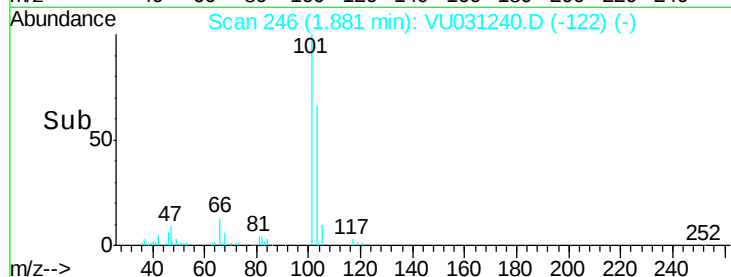
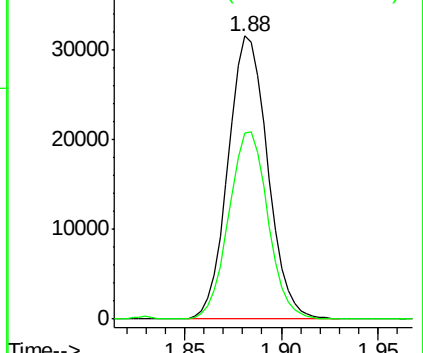
101 100

103 65.5 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#34

Trichloroethene

Concen: 28.131 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031240.D

Acq: 17 Apr 2019 04:02

Tgt Ion: 95 Resp: 118054

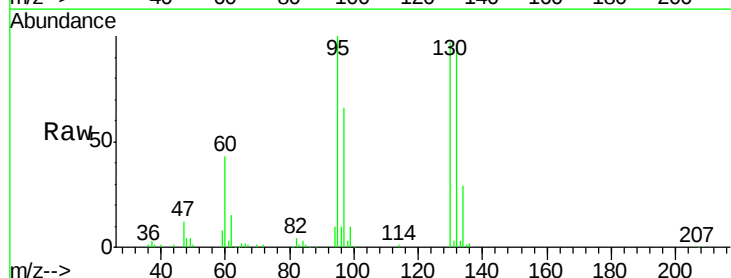
Ion Ratio Lower Upper

95 100

97 66.2 43.6 81.0

132 95.3 64.5 119.7

130 97.0 68.0 126.2

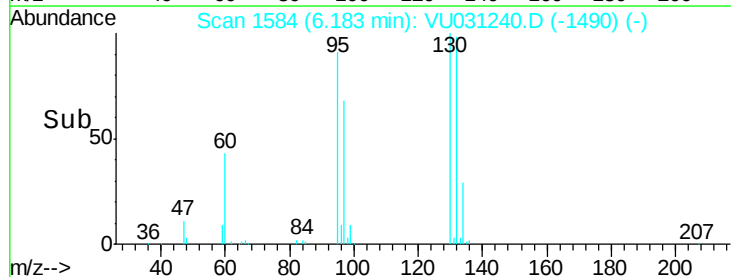
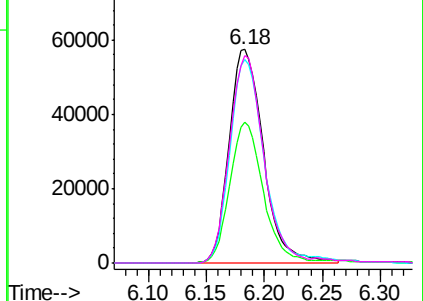


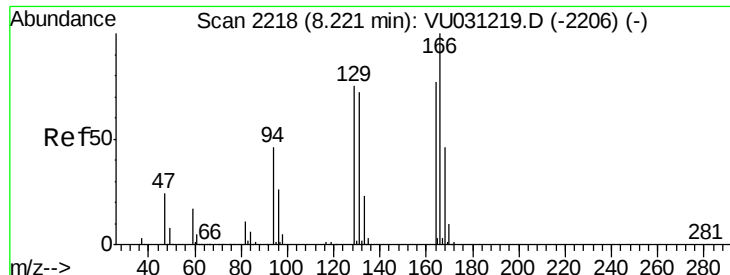
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#46

Tetrachloroethene

Concen: 27.616 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031240.D

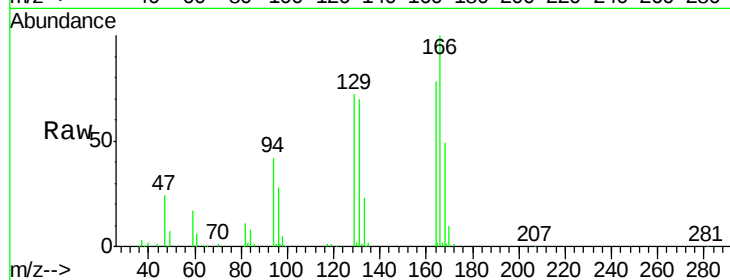
Acq: 17 Apr 2019 04:02

Instrument :

MSVOA\_U

ClientSampleId :

C0XF4



Tot Ion:164 Resp: 87168

Ion Ratio Lower Upper

164 100

129 93.2 66.5 123.5

131 90.6 62.3 115.7

166 128.7 90.6 168.3

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

