

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\  
 Data File : VU031558.D  
 Acq On : 27 Apr 2019 02:13  
 Operator : JC/SP  
 Sample : K2592-11 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X04

Quant Time: Apr 27 04:25:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 27 03:26:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 854735   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 803752   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 313057   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 372732   | 52.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 104.20% |
| 7) Chloroethane-d5             | 1.68    | 69    | 286134   | 51.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.52% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 537993   | 37.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.52%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 704549   | 108.70   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.70% |
| 24) Chloroform-d               | 4.64    | 84    | 619065   | 47.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.50%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 418264   | 48.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.74%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1279827  | 51.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.70% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 447411   | 51.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.06% |
| 41) Toluene-d8                 | 7.56    | 98    | 1063902  | 49.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.98%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 172341   | 46.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.48%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 428212   | 113.93   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 113.93% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 558737   | 47.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 343813   | 52.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.44% |

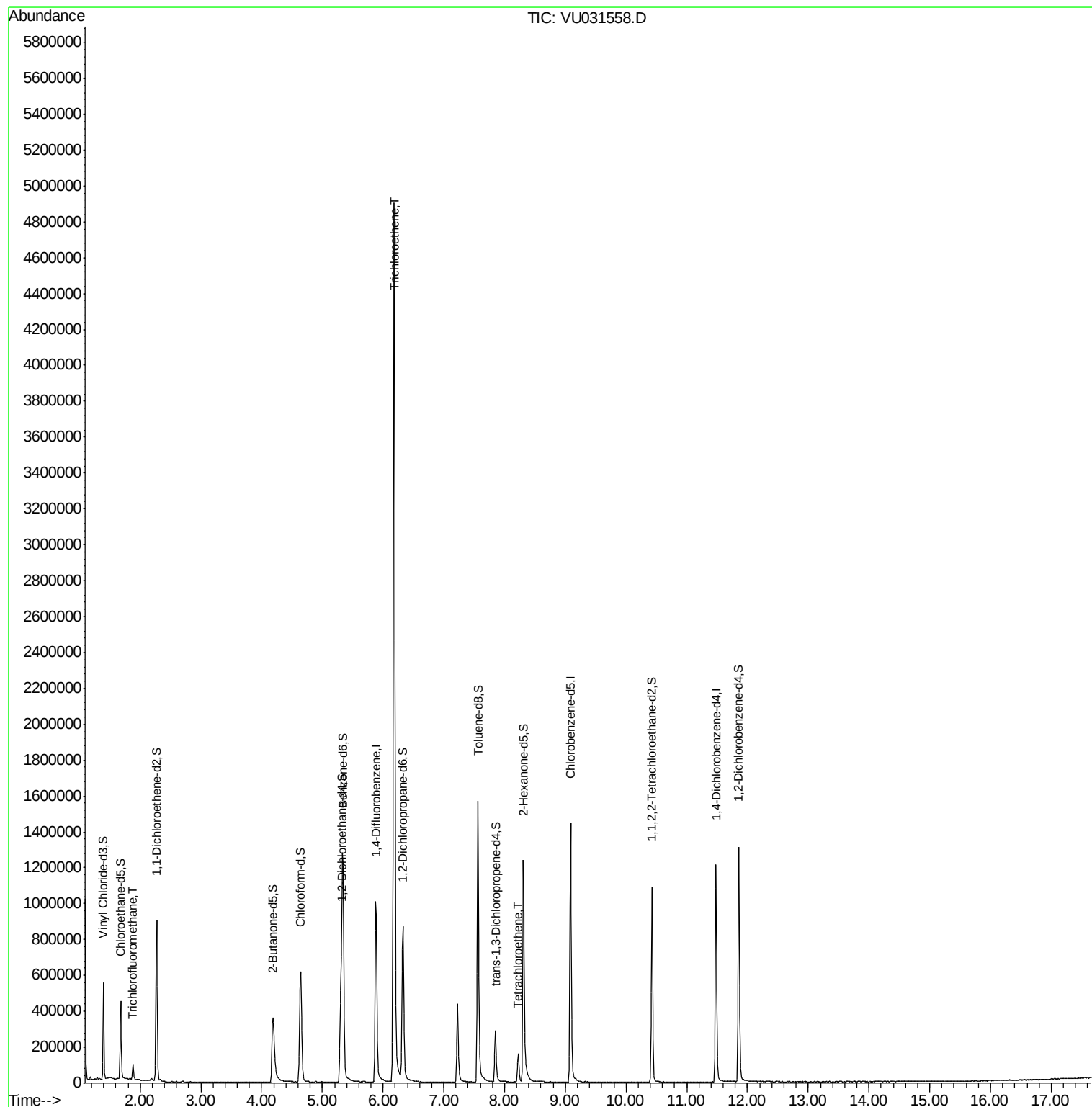
| Target Compounds          |      |     |         |              | Ovalue |
|---------------------------|------|-----|---------|--------------|--------|
| 9) Trichlorofluoromethane | 1.88 | 101 | 44203   | 3.647 ug/L   | 99     |
| 34) Trichloroethene       | 6.18 | 95  | 1846949 | 257.839 ug/L | 99     |
| 46) Tetrachloroethene     | 8.22 | 164 | 35902   | 7.352 ug/L   | 98     |

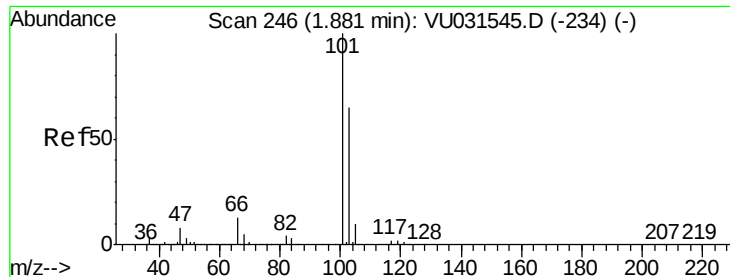
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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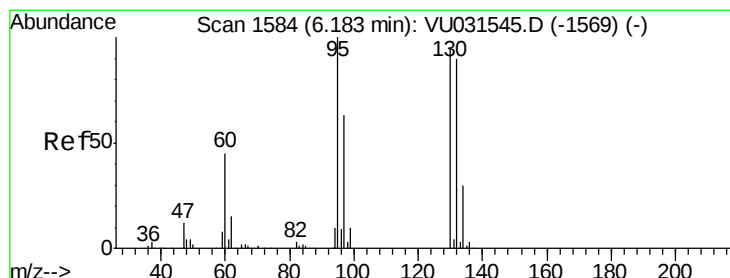
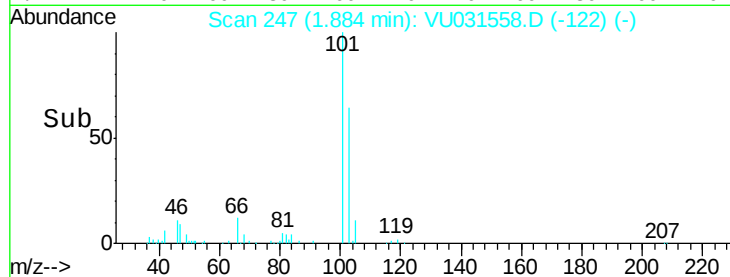
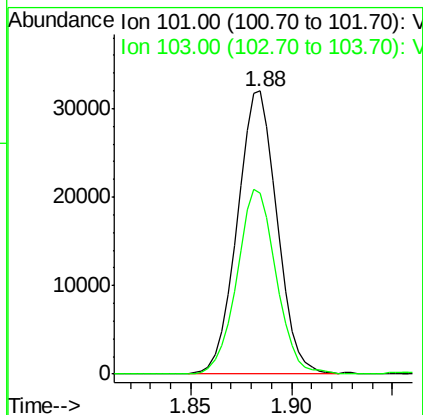
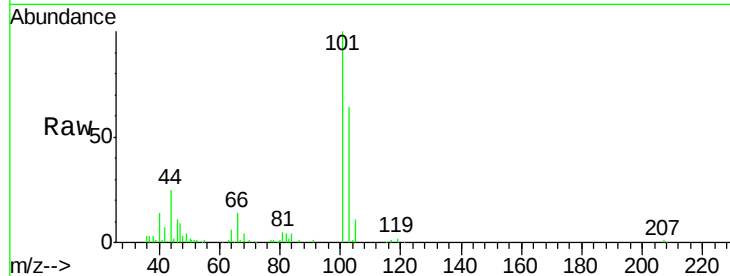


#9

Trichlorofluoromethane  
Concen: 3.647 ug/L  
RT: 1.88 min Scan# 247  
Delta R.T. 0.00 min  
Lab File: VU031558.D  
Acq: 27 Apr 2019 02:13

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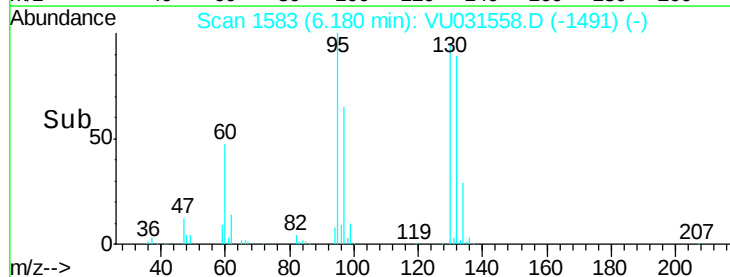
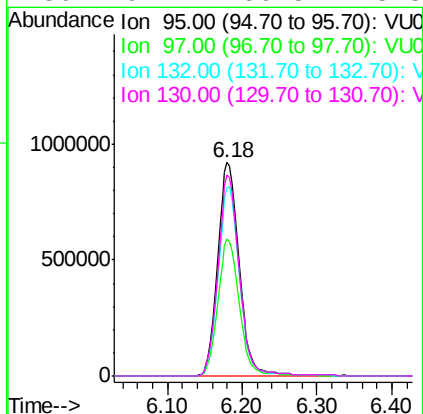
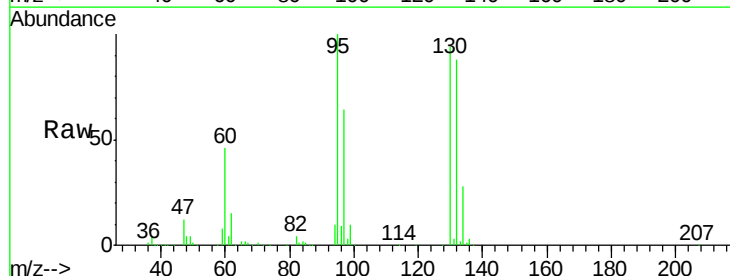
Tot Ion:101 Resp: 44203  
Ion Ratio Lower Upper  
101 100  
103 64.6 50.8 76.2

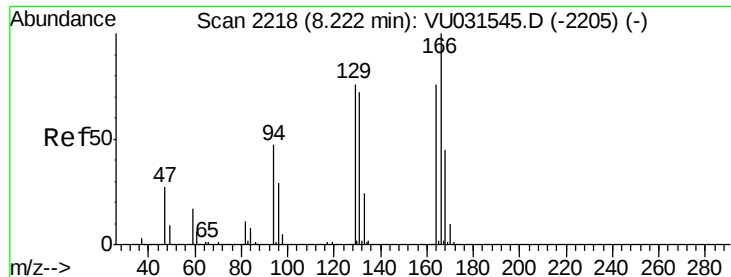


#34

Trichloroethene  
Concen: 257.839 ug/L  
RT: 6.18 min Scan# 1583  
Delta R.T. -0.00 min  
Lab File: VU031558.D  
Acq: 27 Apr 2019 02:13

Tgt Ion: 95 Resp: 1846949  
Ion Ratio Lower Upper  
95 100  
97 64.2 44.8 83.2  
132 88.3 63.1 117.1  
130 94.1 66.5 123.5





#46

Tetrachloroethene

Concen: 7.352 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031558.D

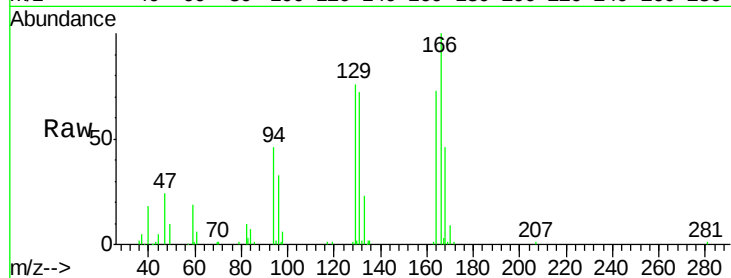
Acq: 27 Apr 2019 02:13

Instrument :

MSVOA\_U

ClientSampleId :

C0X04



Tot Ion:164 Resp: 35902

Ion Ratio Lower Upper

164 100

129 104.1 71.5 132.9

131 98.3 69.0 128.2

166 137.0 93.7 173.9

