

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082219\  
 Data File : VV012349.D  
 Acq On : 22 Aug 2019 15:53  
 Operator : SY/MD  
 Sample : K4481-08  
 Misc : 5mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COXM6

Quant Time: Aug 23 07:25:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 23 06:55:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 174412   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 167854   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 76411    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 34881    | 42.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.48%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 26748    | 45.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.36%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 56559    | 34.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.58%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 68535    | 106.48   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.48% |
| 24) Chloroform-d               | 4.40    | 84    | 120604   | 51.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.78% |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 88211    | 54.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 109.00% |
| 32) Benzene-d6                 | 5.10    | 84    | 215901   | 48.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.46%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 56798    | 46.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.84%  |
| 41) Toluene-d8                 | 7.36    | 98    | 207714   | 47.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.22%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 34838    | 46.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.46%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 42554    | 85.18    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.18%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 82299    | 47.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 90623    | 53.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.90% |

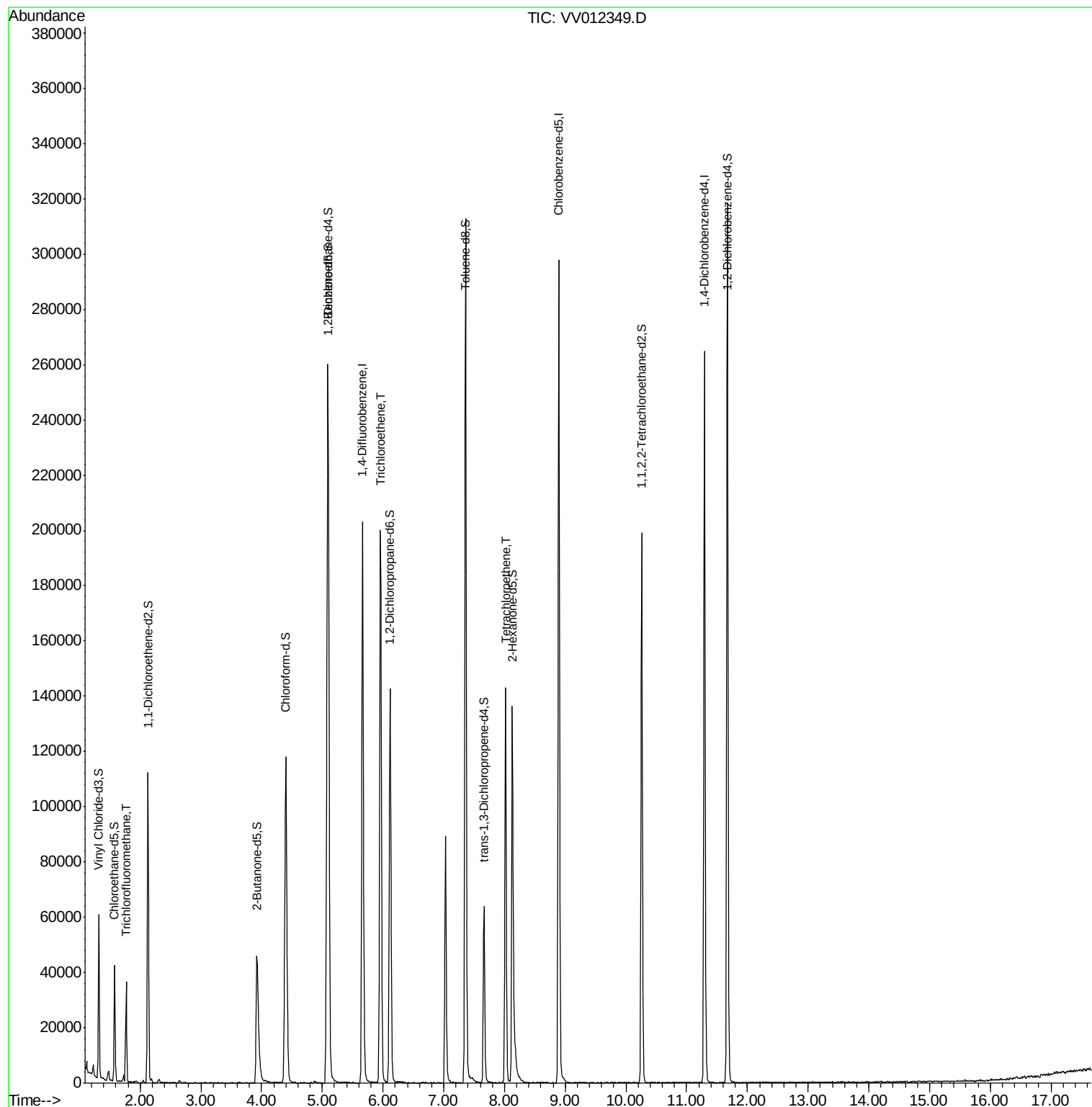
| Target Compounds          |      |     |       |             | Ovalue |
|---------------------------|------|-----|-------|-------------|--------|
| 9) Trichlorofluoromethane | 1.77 | 101 | 20738 | 12.237 ug/L | 98     |
| 34) Trichloroethene       | 5.96 | 95  | 64061 | 51.694 ug/L | 98     |
| 46) Tetrachloroethene     | 8.02 | 164 | 33933 | 28.615 ug/L | 99     |

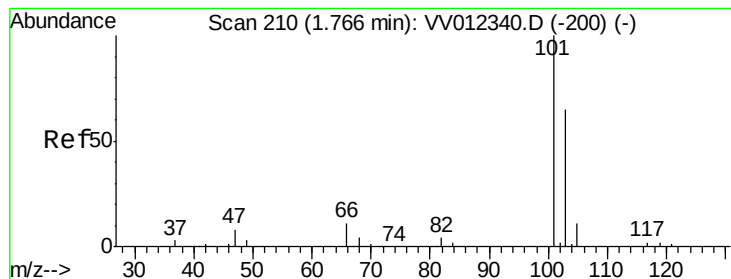
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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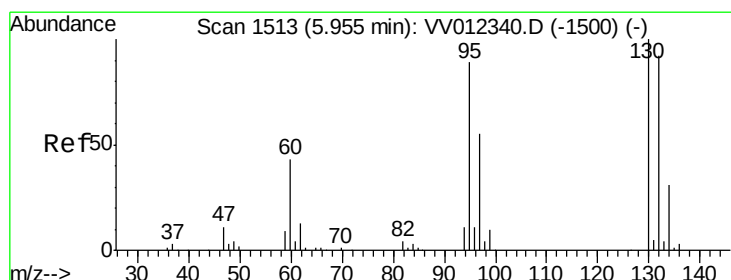
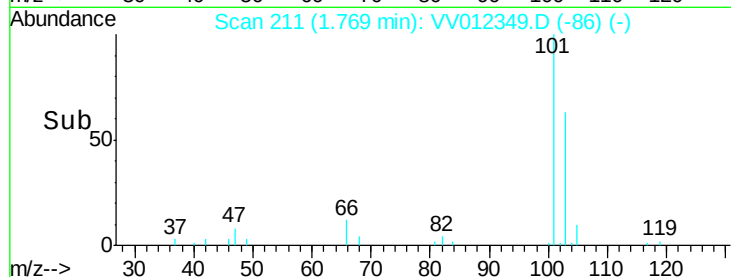
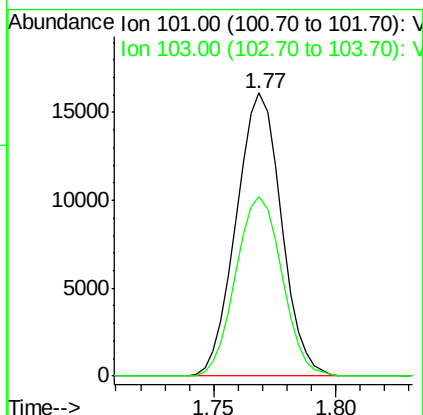
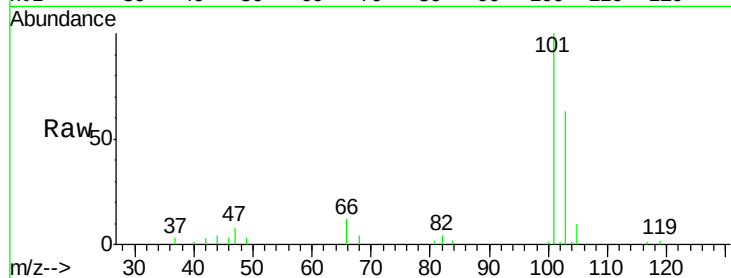


#9

Trichlorofluoromethane  
Concen: 12.237 ug/L  
RT: 1.77 min Scan# 211  
Delta R.T. 0.00 min  
Lab File: VV012349.D  
Acq: 22 Aug 2019 15:53

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0XM6

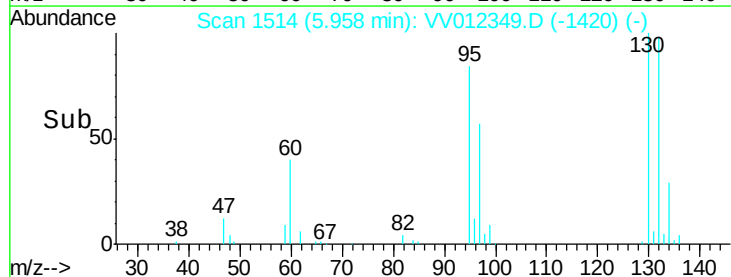
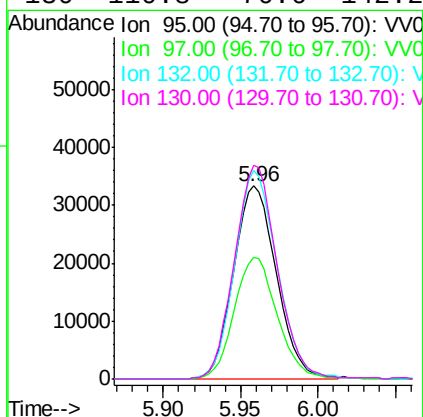
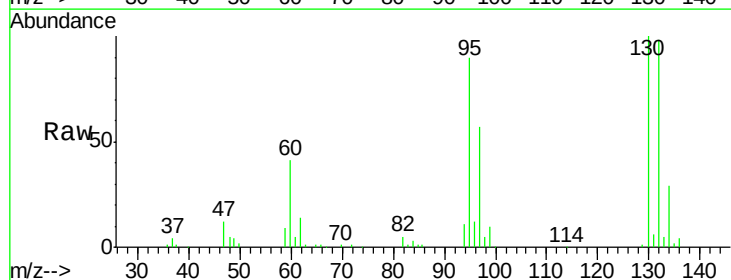
Tot Ion:101 Resp: 20738  
Ion Ratio Lower Upper  
101 100  
103 65.0 53.2 79.8

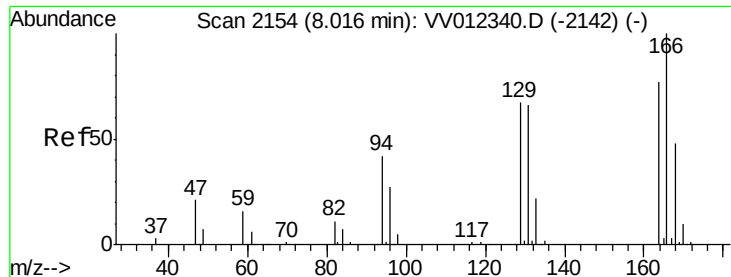


#34

Trichloroethene  
Concen: 51.694 ug/L  
RT: 5.96 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VV012349.D  
Acq: 22 Aug 2019 15:53

Tgt Ion: 95 Resp: 64061  
Ion Ratio Lower Upper  
95 100  
97 63.1 43.6 81.0  
132 108.5 73.9 137.3  
130 110.8 76.6 142.2





#46

Tetrachloroethene

Concen: 28.615 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012349.D

Acq: 22 Aug 2019 15:53

Instrument :

MSVOA\_V

ClientSampleId :

C0XM6

Tot Ion:164 Resp: 33933

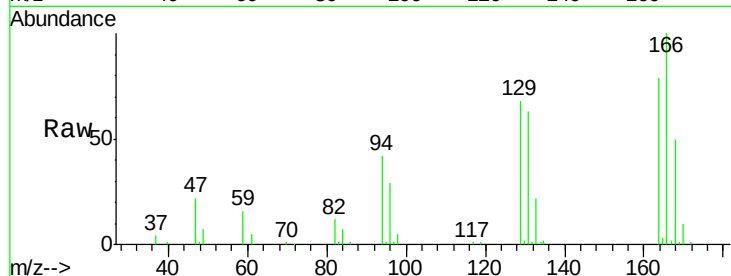
Ion Ratio Lower Upper

164 100

129 85.9 61.5 114.3

131 79.8 56.6 105.0

166 126.2 88.2 163.8



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

