

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\  
 Data File : VV019010.D  
 Acq On : 20 Oct 2020 13:37  
 Operator : SY/MD  
 Sample : L4430-10  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AC1

Quant Time: Oct 21 06:57:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 21 06:02:04 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 291152   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 292875   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 130982   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 72612    | 30.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 60.60%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 75154    | 39.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.16%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 129707   | 28.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.34%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 157183   | 94.09    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.09%  |
| 24) Chloroform-d               | 4.38    | 84    | 187307   | 43.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 129587   | 45.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.68%  |
| 32) Benzene-d6                 | 5.08    | 84    | 353247   | 41.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.64%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 122473   | 44.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.60%  |
| 41) Toluene-d8                 | 7.34    | 98    | 294975   | 38.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 76.92%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50463    | 37.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.54%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 77882    | 76.69    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 76.69%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 142240   | 44.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 128430   | 48.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.38%  |

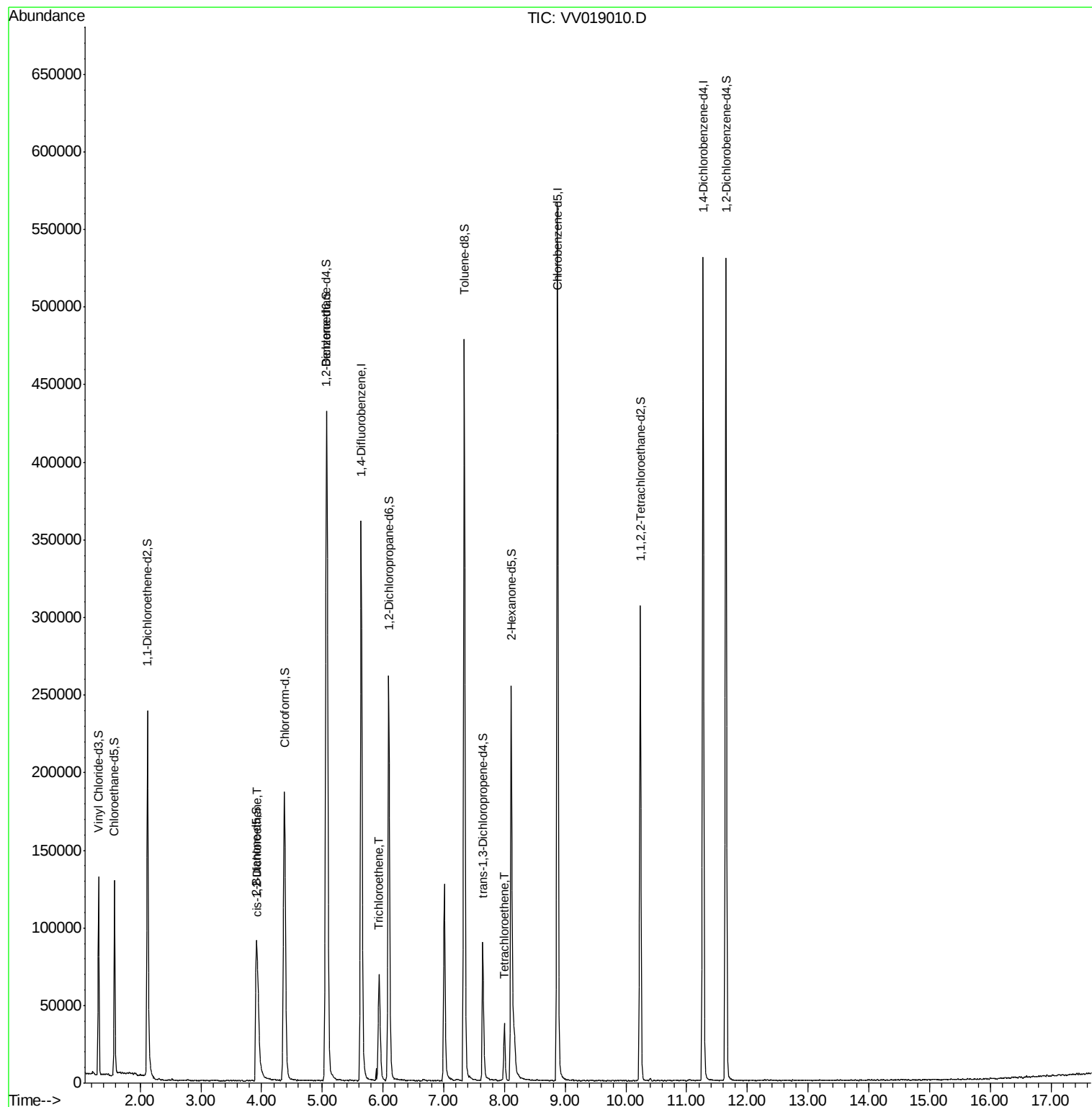
| Target Compounds           |      |     |       |            | Ovalue |
|----------------------------|------|-----|-------|------------|--------|
| 20) cis-1,2-Dichloroethene | 3.94 | 96  | 12234 | 5.433 ug/L | 98     |
| 34) Trichloroethene        | 5.94 | 95  | 17715 | 6.842 ug/L | 99     |
| 46) Tetrachloroethene      | 8.00 | 164 | 8223  | 4.507 ug/L | 96     |

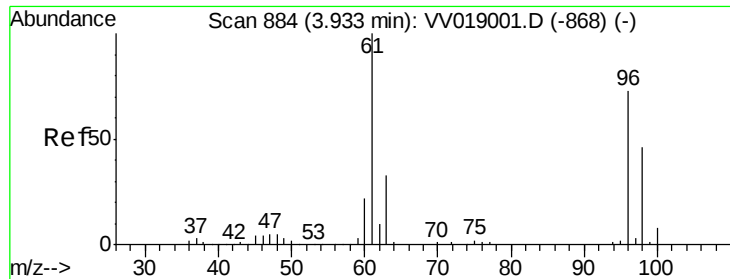
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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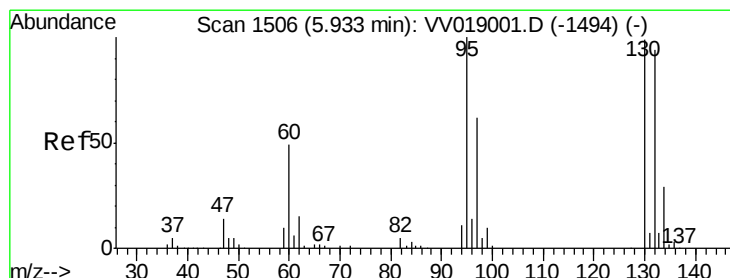
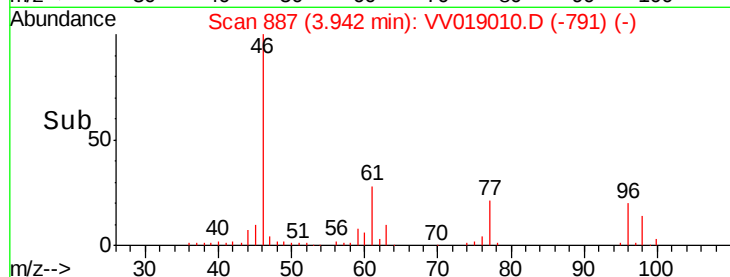
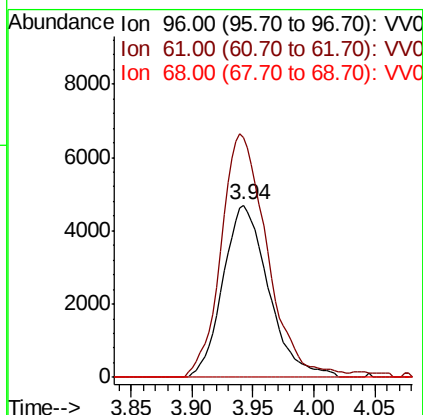
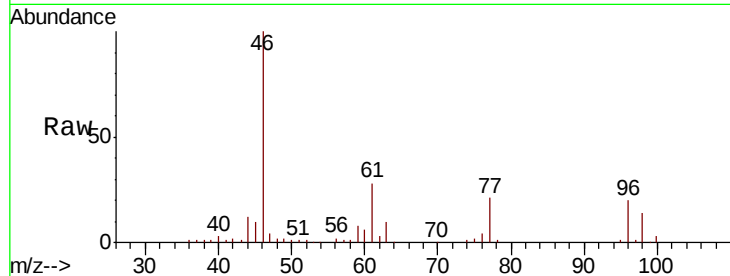




#20  
 cis-1,2-Dichloroethene  
 Concen: 5.433 ug/L  
 RT: 3.94 min Scan# 887  
 Delta R.T. 0.01 min  
 Lab File: VV019010.D  
 Acq: 20 Oct 2020 13:37

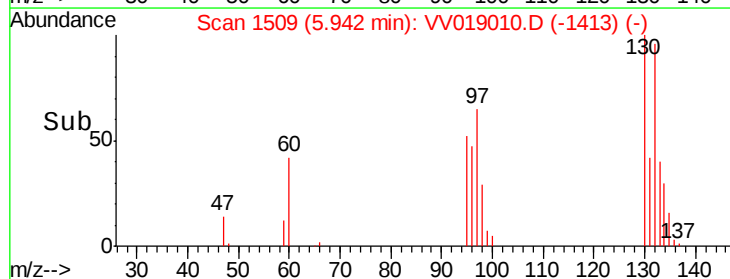
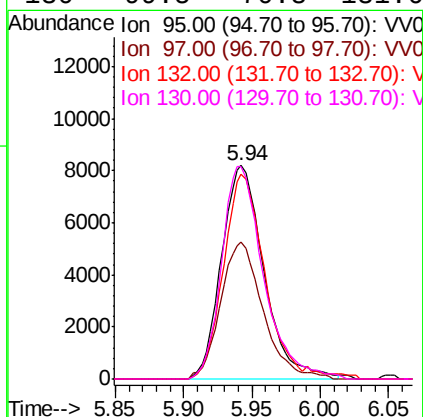
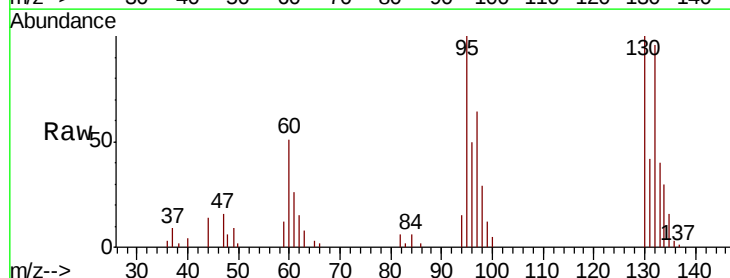
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AC1

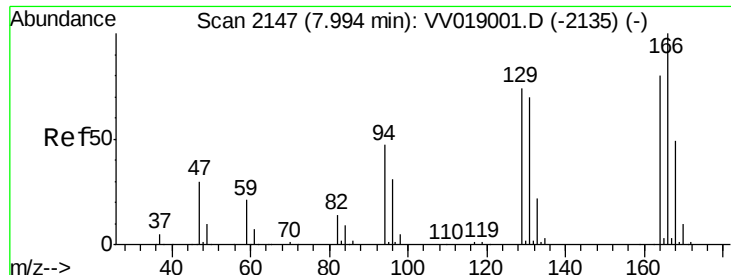
Tot Ion: 96 Resp: 12234  
 Ion Ratio Lower Upper  
 96 100  
 61 139.3 96.1 178.5  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 6.842 ug/L  
 RT: 5.94 min Scan# 1509  
 Delta R.T. 0.01 min  
 Lab File: VV019010.D  
 Acq: 20 Oct 2020 13:37

Tgt Ion: 95 Resp: 17715  
 Ion Ratio Lower Upper  
 95 100  
 97 64.3 44.7 82.9  
 132 95.8 67.0 124.4  
 130 99.5 70.8 131.6





#46

Tetrachloroethene

Concen: 4.507 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019010.D

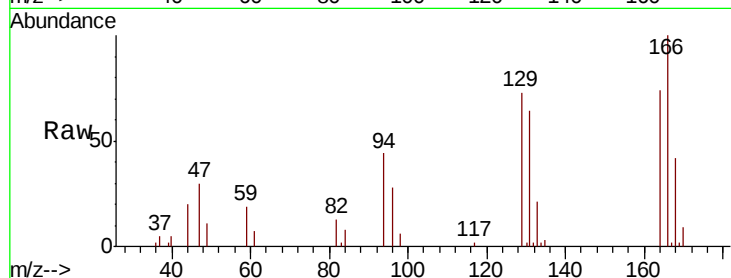
Acq: 20 Oct 2020 13:37

Instrument :

MSVOA\_V

ClientSampleId :

C0AC1



Tot Ion:164 Resp: 8223

Ion Ratio Lower Upper

164 100

129 97.7 65.0 120.8

131 86.2 62.9 116.7

166 134.6 91.1 169.3

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

