

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091019\  
 Data File : VV012661.D  
 Acq On : 10 Sep 2019 17:22  
 Operator : SY/MD  
 Sample : K4724-07DL 50X  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFDA8DL

Quant Time: Sep 11 06:51:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR090919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Sep 11 05:21:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 387851   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 386074   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 150647   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 111616   | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 101083   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 135025   | 3.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.60%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 359507   | 56.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.56% |
| 24) Chloroform-d               | 4.40   | 84    | 222693   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 118375   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 420369   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 144186   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 328204   | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 43963    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 178281   | 46.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 104104   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 137316   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.60% |

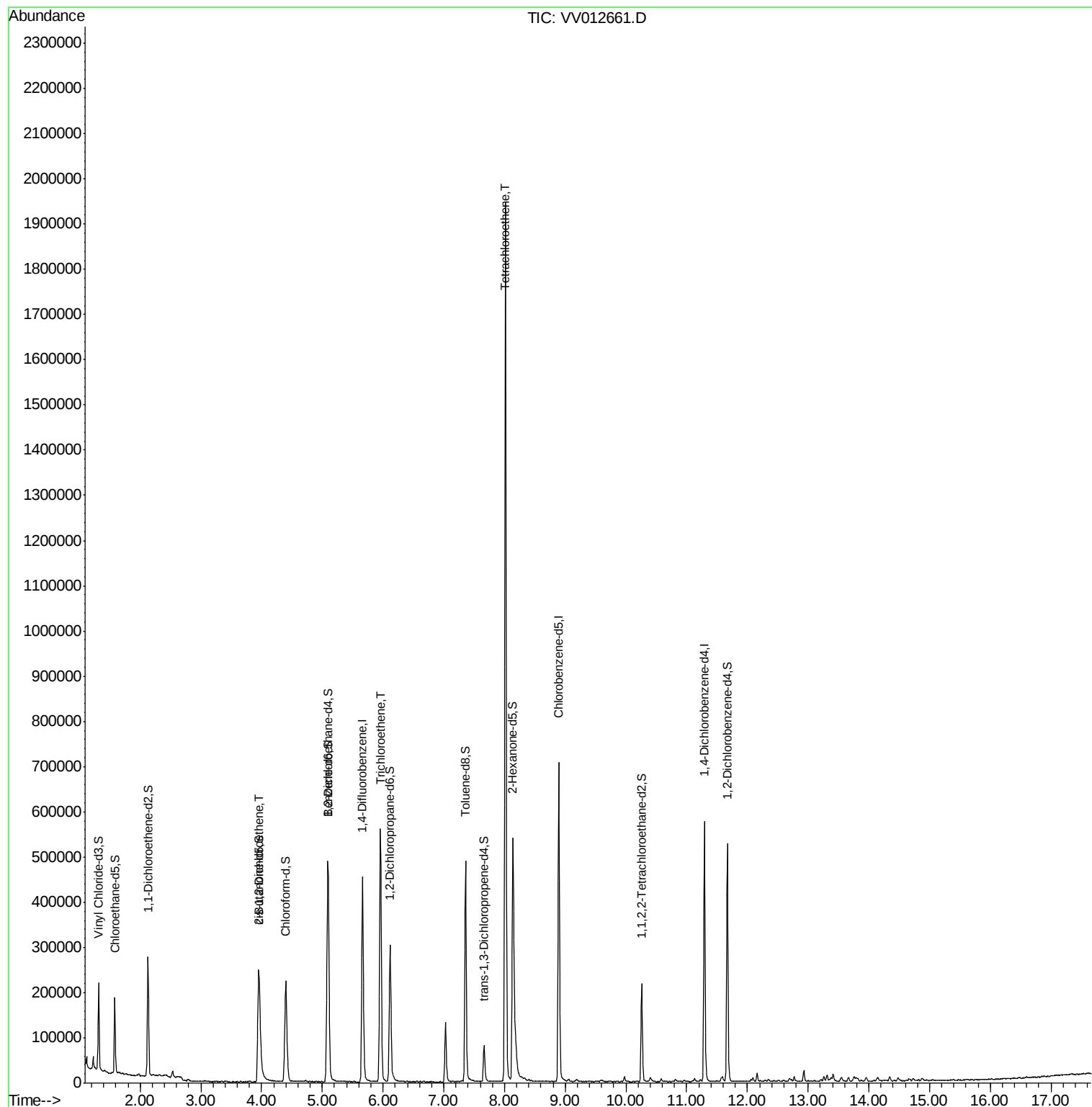
| Target Compounds           |      |     |        |             | Ovalue |
|----------------------------|------|-----|--------|-------------|--------|
| 22) cis-1,2-Dichloroethene | 3.96 | 96  | 35482  | 1.206 ug/L  | 99     |
| 34) Trichloroethene        | 5.96 | 95  | 189876 | 6.090 ug/L  | 98     |
| 47) Tetrachloroethene      | 8.02 | 164 | 444801 | 18.173 ug/L | 99     |

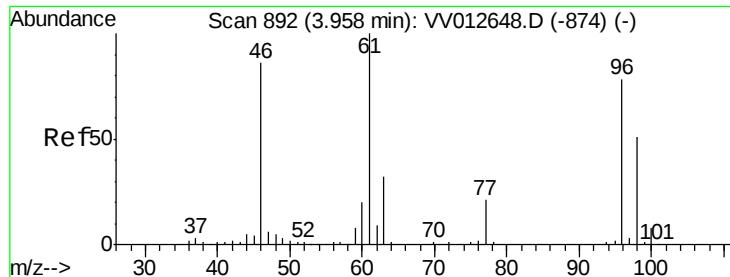
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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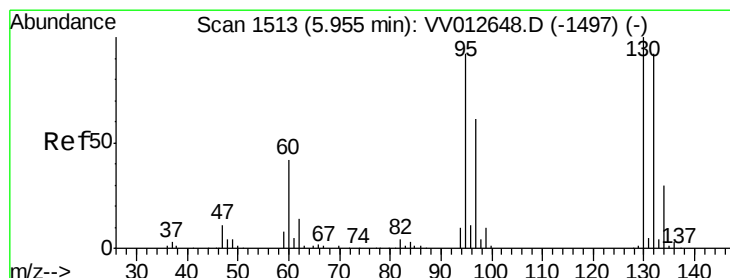
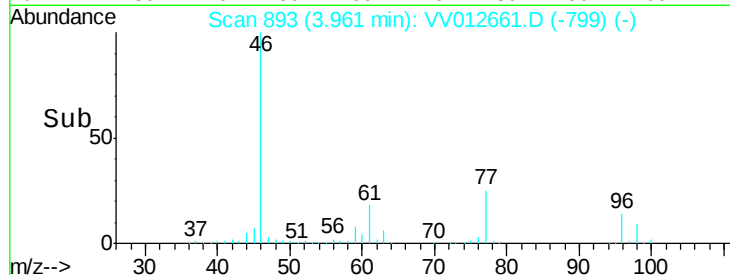
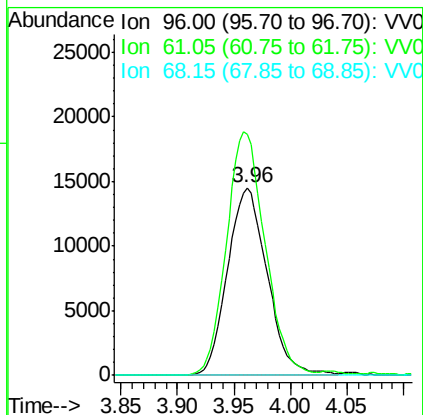
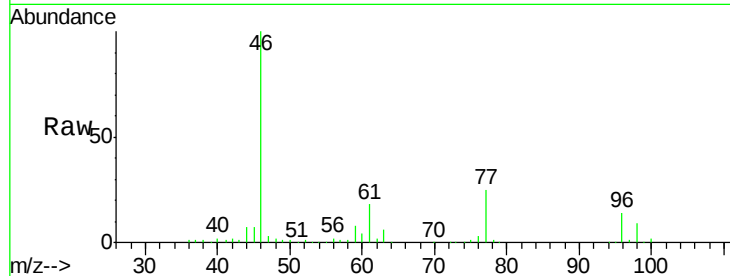


#22

cis-1,2-Dichloroethene  
Concen: 1.206 ug/L  
RT: 3.96 min Scan# 893  
Delta R.T. 0.00 min  
Lab File: VV012661.D  
Acq: 10 Sep 2019 17:22

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MSVOA\_V  
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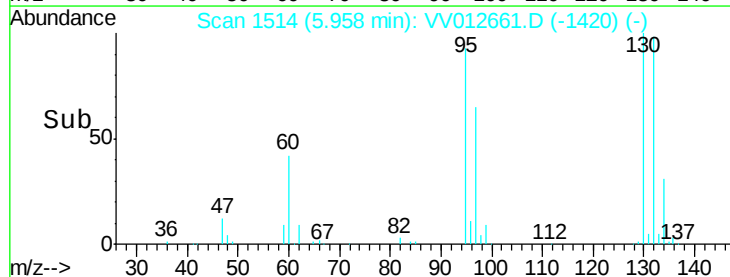
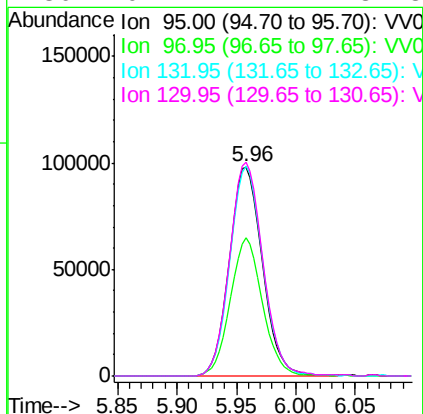
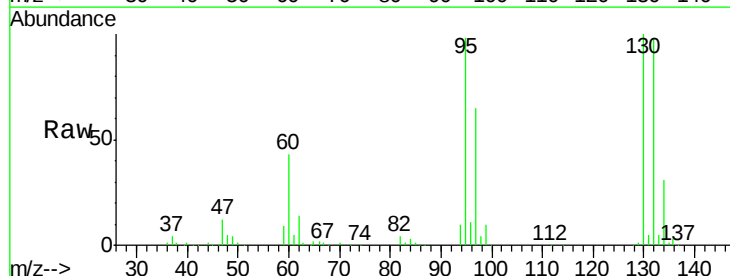
Tot Ion: 96 Resp: 35482  
Ion Ratio Lower Upper  
96 100  
61 128.9 89.7 166.5  
68 0.0 0.0 0.0

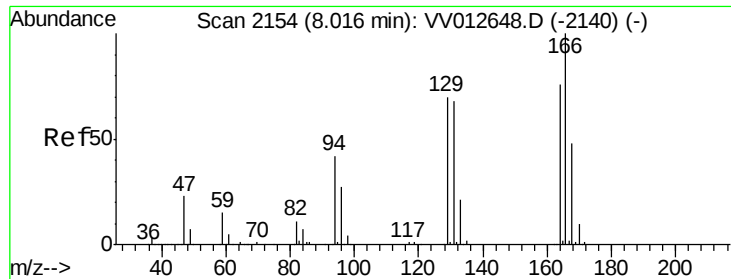


#34

Trichloroethene  
Concen: 6.090 ug/L  
RT: 5.96 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: VV012661.D  
Acq: 10 Sep 2019 17:22

Tgt Ion: 95 Resp: 189876  
Ion Ratio Lower Upper  
95 100  
97 65.9 45.4 84.2  
132 100.4 70.2 130.4  
130 102.1 74.2 137.8





#47

Tetrachloroethene

Concen: 18.173 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012661.D

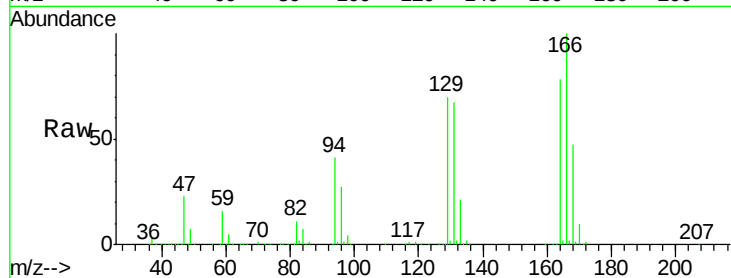
Acq: 10 Sep 2019 17:22

Instrument :

MSVOA\_V

ClientSampleId :

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Tot Ion:164 Resp: 444801

Ion Ratio Lower Upper

164 100

129 89.8 61.9 114.9

131 86.4 59.7 110.9

166 129.0 90.4 167.8

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

