

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\  
 Data File : VU035105.D  
 Acq On : 11 Oct 2019 21:34  
 Operator : JC/SP  
 Sample : K5310-11DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1D-001-01DL

Quant Time: Oct 12 04:30:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 12 02:39:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 176196   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 182417   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 64986    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 52620    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.00% |
| 7) Chloroethane-d5             | 1.67   | 69    | 52508    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.00% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 80967    | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.80%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 156530   | 51.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.06% |
| 24) Chloroform-d               | 4.62   | 84    | 101525   | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.20% |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 58338    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.00% |
| 32) Benzene-d6                 | 5.32   | 84    | 197616   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 68736    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.20%  |
| 41) Toluene-d8                 | 7.55   | 98    | 172377   | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.40%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 20750    | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.60%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 108593   | 44.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 56783    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 57692    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.20% |

## Target Compounds

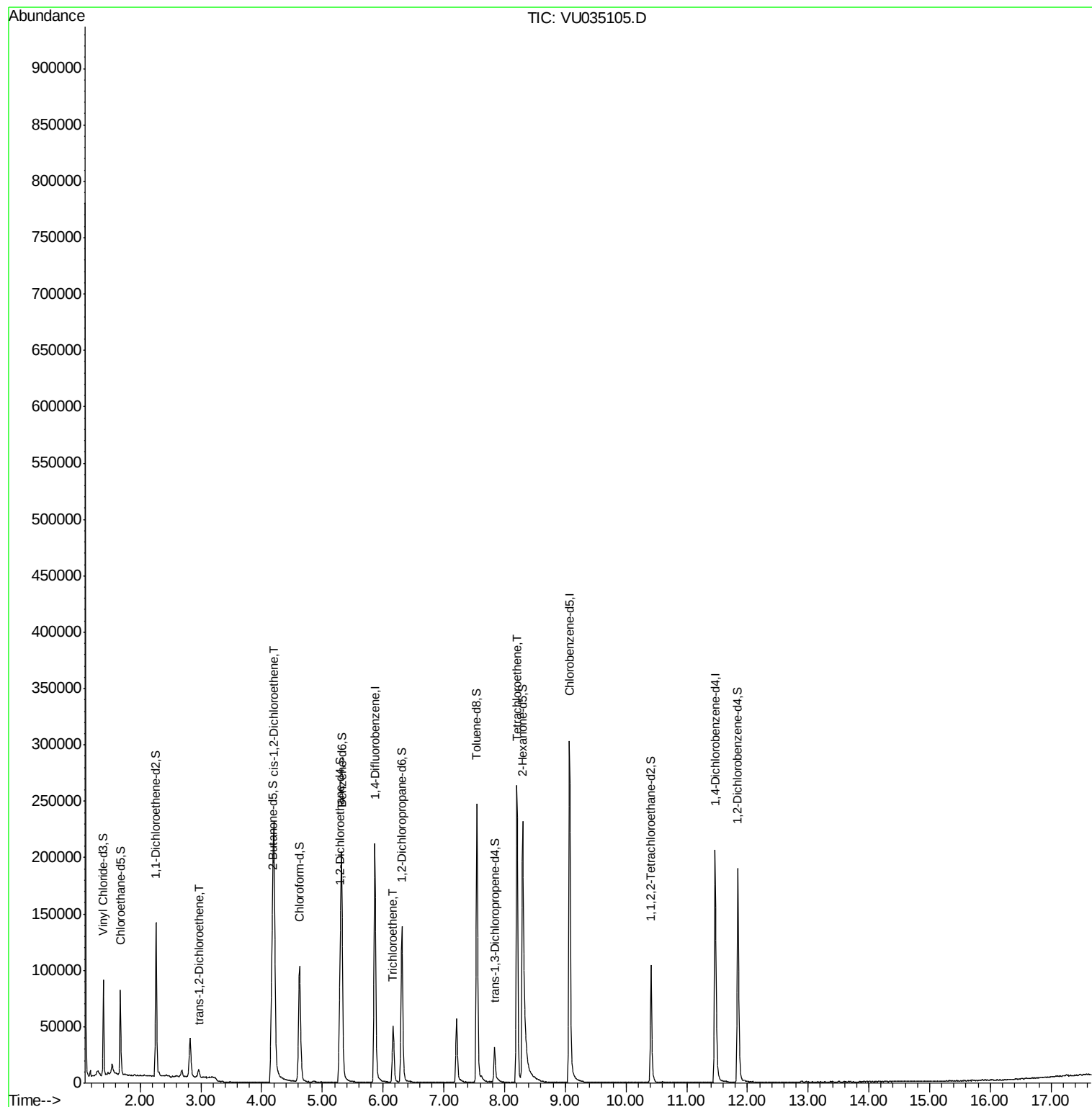
|                              |      |     |        |            | Ovalue |
|------------------------------|------|-----|--------|------------|--------|
| 18) trans-1,2-Dichloroethene | 2.96 | 96  | 2155   | 0.178 ug/L | 90     |
| 22) cis-1,2-Dichloroethene   | 4.20 | 96  | 111486 | 8.247 ug/L | 87     |
| 34) Trichloroethene          | 6.17 | 95  | 18514  | 1.306 ug/L | 97     |
| 47) Tetrachloroethene        | 8.21 | 164 | 58455  | 5.096 ug/L | 94     |

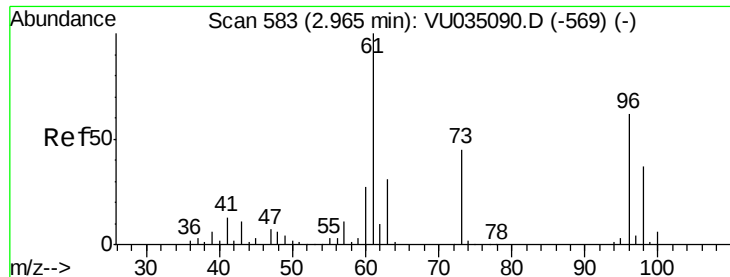
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101219\  
Data File : VU035105.D  
Acq On : 11 Oct 2019 21:34  
Operator : JC/SP  
Sample : K5310-11DL 5X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-1D-001-01DL

Quant Time: Oct 12 04:30:32 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 12 02:39:23 2019  
Response via : Initial Calibration

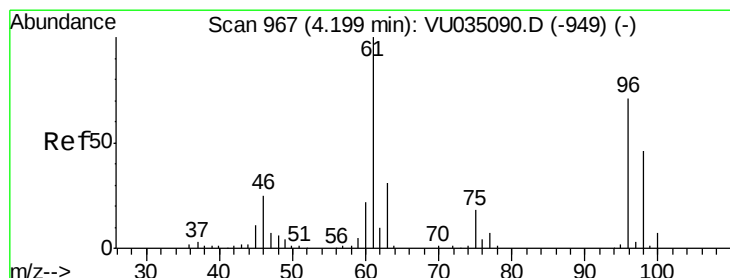
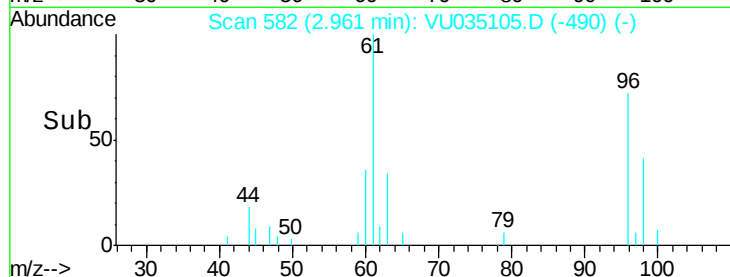
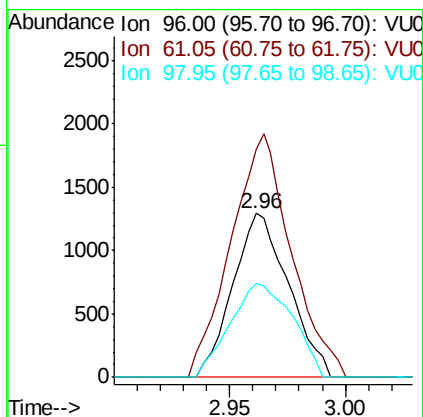
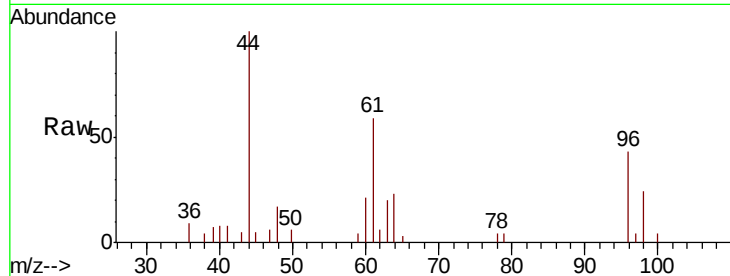




#18  
 trans-1,2-Dichloroethene  
 Concen: 0.178 ug/L  
 RT: 2.96 min Scan# 582  
 Delta R.T. -0.00 min  
 Lab File: VU035105.D  
 Acq: 11 Oct 2019 21:34

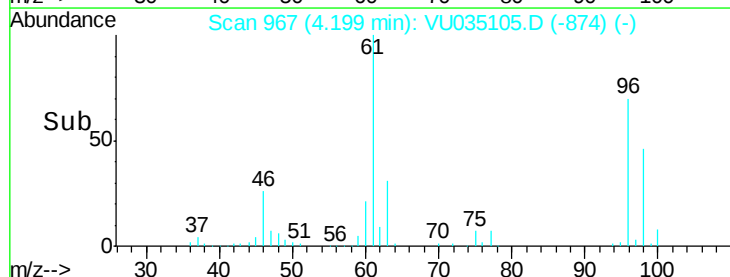
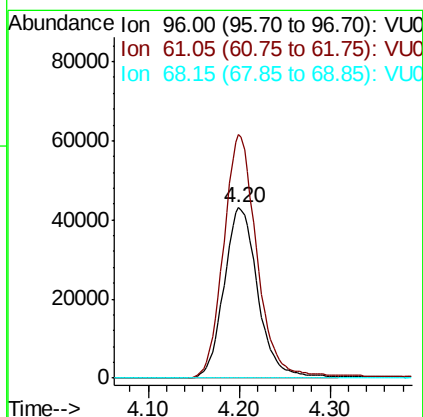
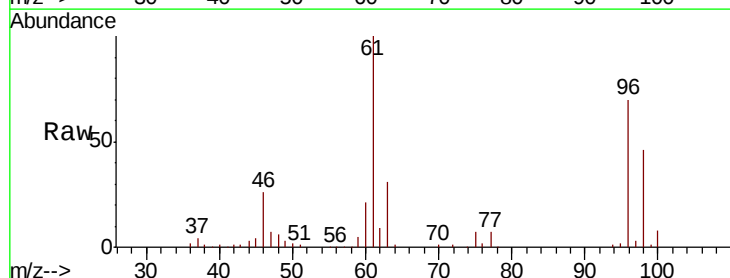
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1D-001-01DL

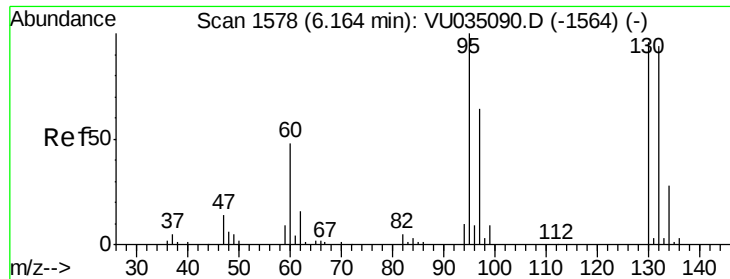
Tot Ion: 96 Resp: 2155  
 Ion Ratio Lower Upper  
 96 100  
 61 139.3 107.1 198.9  
 98 57.4 45.4 84.4



#22  
 cis-1,2-Dichloroethene  
 Concen: 8.247 ug/L  
 RT: 4.20 min Scan# 967  
 Delta R.T. 0.00 min  
 Lab File: VU035105.D  
 Acq: 11 Oct 2019 21:34

Tgt Ion: 96 Resp: 111486  
 Ion Ratio Lower Upper  
 96 100  
 61 142.9 89.2 165.6  
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.306 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU035105.D

Acq: 11 Oct 2019 21:34

Instrument :

MSVOA\_U

ClientSampleId :

MW-1D-001-01DL

Tot Ion: 95 Resp: 18514

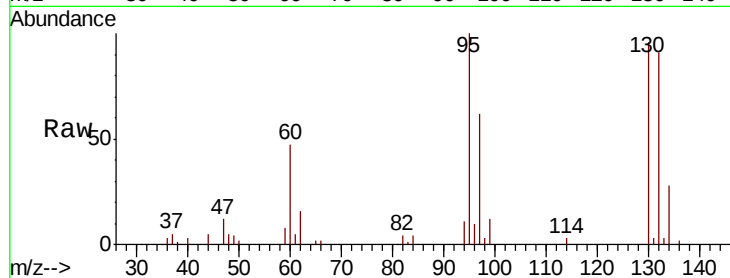
Ion Ratio Lower Upper

95 100

97 61.5 44.5 82.7

132 91.4 66.6 123.8

130 96.2 68.9 127.9

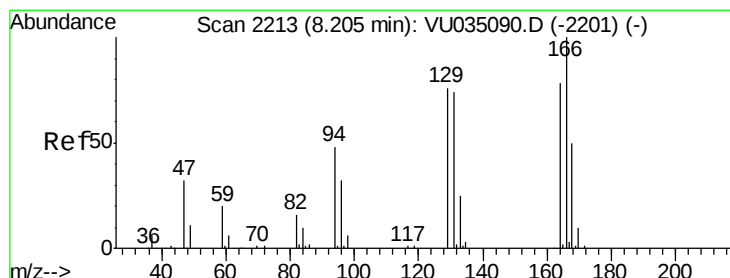
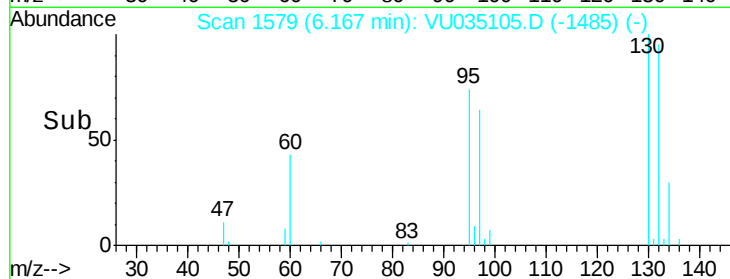
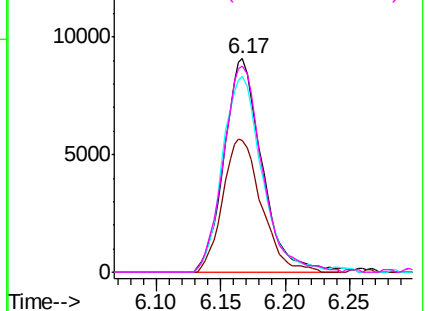


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 5.096 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU035105.D

Acq: 11 Oct 2019 21:34

Tgt Ion:164 Resp: 58455

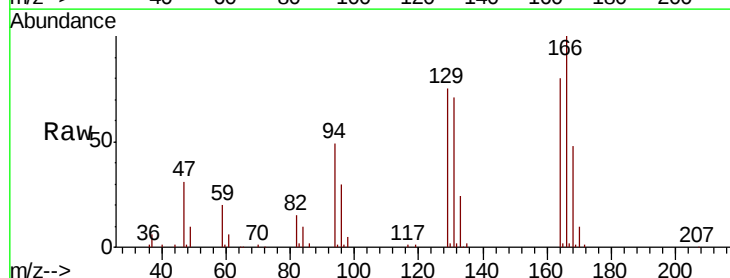
Ion Ratio Lower Upper

164 100

129 93.9 68.5 127.1

131 89.0 67.3 124.9

166 124.7 93.1 172.9



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

