

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081722\  
 Data File : VW024266.D  
 Acq On : 17 Aug 2022 11:41  
 Operator : SY/VA  
 Sample : N4221-03  
 Misc : 5.49g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

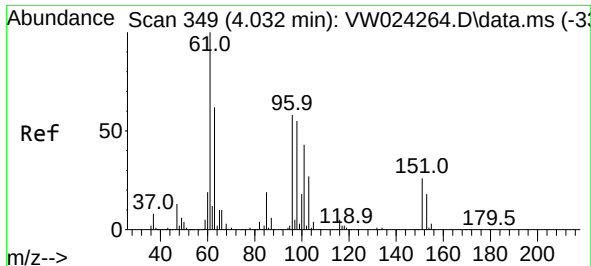
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0KP4

Quant Time: Aug 18 01:04:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Aug 18 01:04:13 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.835  | 114   | 386515   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 351982   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 152969   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 109854   | 13.597   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 54.400%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 78297    | 15.557   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 62.240%  |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 114205   | 12.404   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 49.600%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 55931    | 37.211   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 74.420%  |
| 24) Chloroform-d              | 7.641  | 84    | 205031   | 17.531   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 70.120%  |
| 26) 1,2-Dichloroethane-d4     | 8.299  | 65    | 110705   | 17.050   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 68.200%# |
| 32) Benzene-d6                | 8.269  | 84    | 357790   | 17.236   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 68.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 111961   | 18.267   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 73.080%  |
| 41) Toluene-d8                | 10.317 | 98    | 321439   | 16.567   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 66.280%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 45841    | 17.076   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 68.320%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 41743    | 36.873   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 73.740%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 105299   | 17.708   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 70.840%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 111674   | 19.950   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 79.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 4.031  | 96    | 9241     | 1.989    | ug/L # | 1        |
| 13) Acetone                   | 4.123  | 43    | 10567    | 9.549    | ug/L   | 85       |
| 14) Carbon disulfide          | 4.373  | 76    | 25370    | 1.706    | ug/L # | 91       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 8297     | 0.878    | ug/L   | 91       |
| 20) cis-1,2-Dichloroethene    | 7.159  | 96    | 12837    | 2.178    | ug/L # | 87       |
| 34) Trichloroethene           | 9.085  | 95    | 515326   | 93.784   | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.860 | 164   | 210561   | 47.334   | ug/L   | 87       |
| -----                         |        |       |          |          |        |          |

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

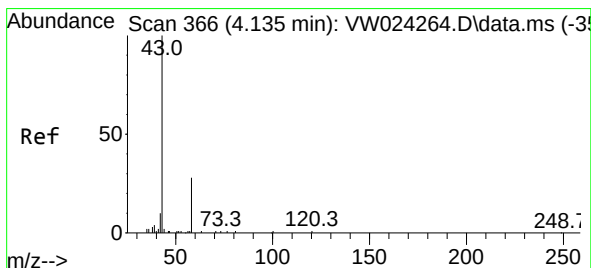
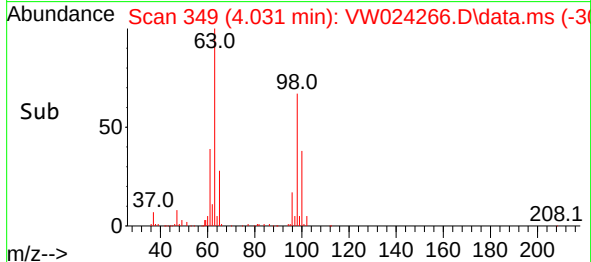
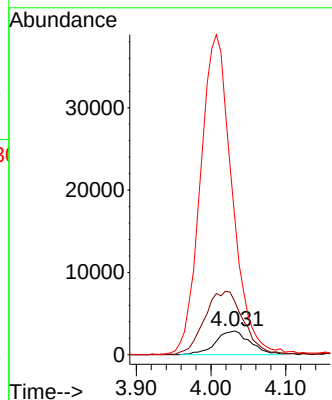
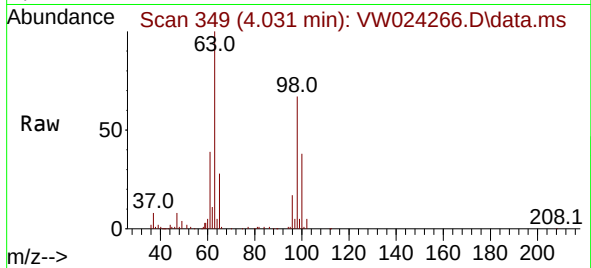




#12  
1,1-Dichloroethene  
Concen: 1.989 ug/L  
RT: 4.031 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VW024266.D  
Acq: 17 Aug 2022 11:41

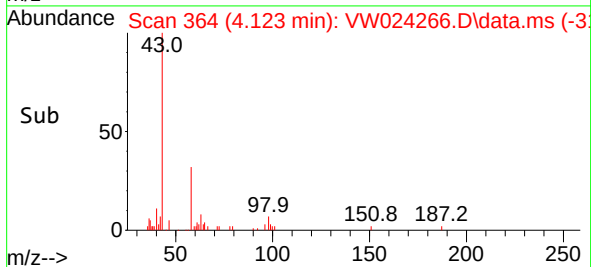
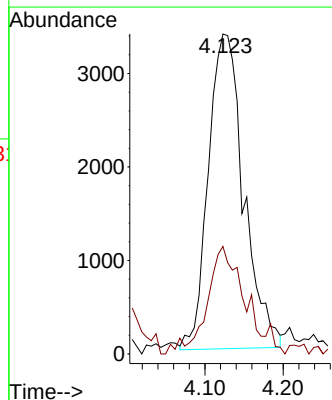
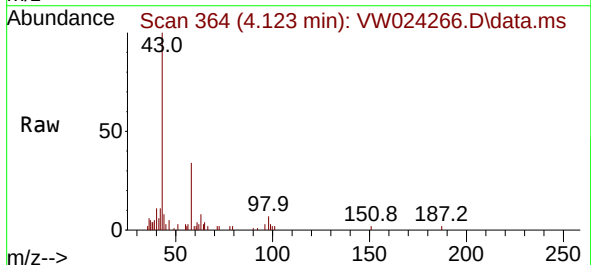
Instrument :  
MSVOA\_W  
ClientSampleId :  
C0KP4

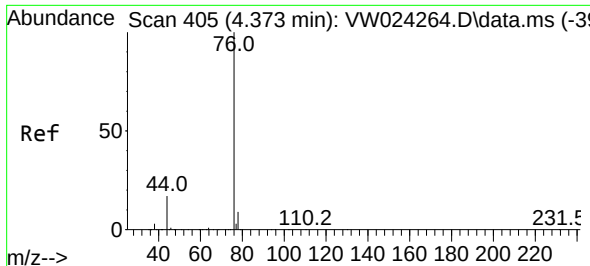
Tgt Ion: 96 Resp: 9241  
Ion Ratio Lower Upper  
96 100  
61 227.0 123.1 228.5  
63 588.8 84.9 157.7#



#13  
Acetone  
Concen: 9.549 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. -0.012 min  
Lab File: VW024266.D  
Acq: 17 Aug 2022 11:41

Tgt Ion: 43 Resp: 10567  
Ion Ratio Lower Upper  
43 100  
58 22.4 0.0 31.8

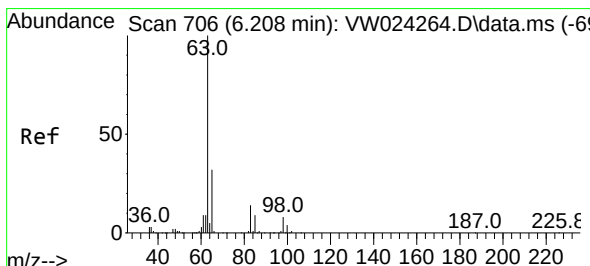
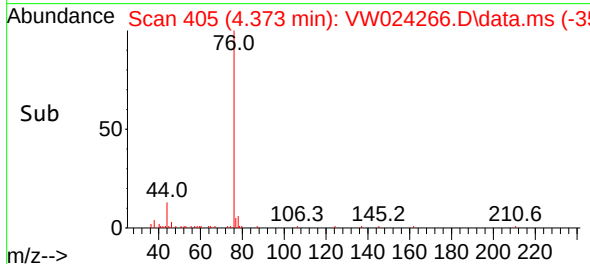
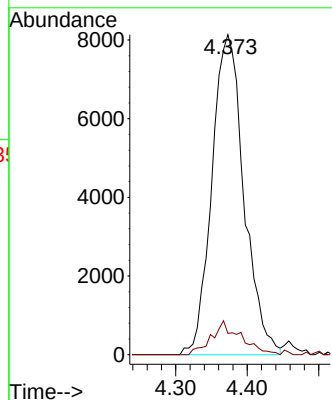
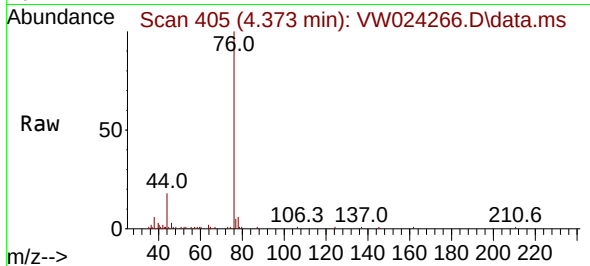




#14  
Carbon disulfide  
Concen: 1.706 ug/L  
RT: 4.373 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VW024266.D  
Acq: 17 Aug 2022 11:41

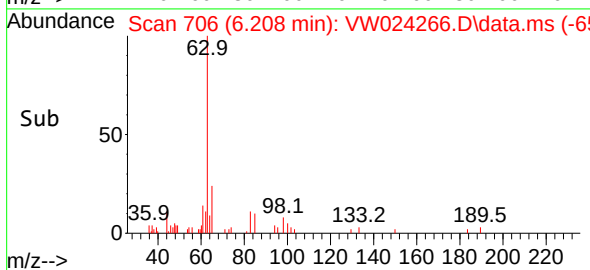
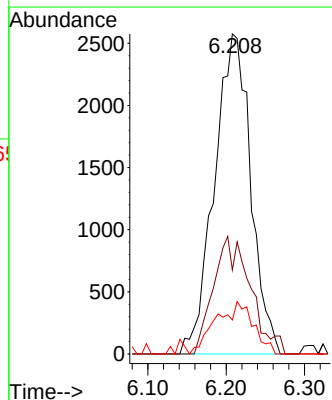
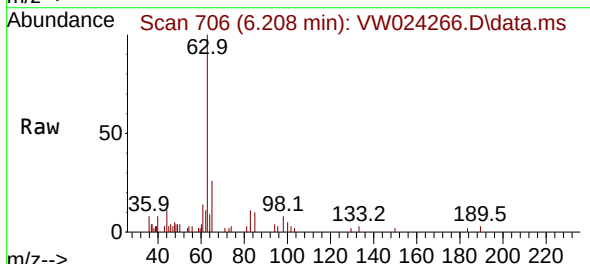
Instrument :  
MSVOA\_W  
ClientSampleId :  
C0KP4

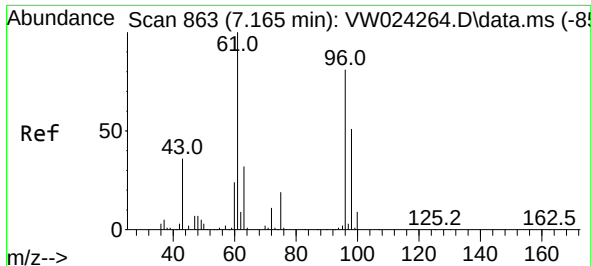
Tgt Ion: 76 Resp: 25370  
Ion Ratio Lower Upper  
76 100  
78 6.7 7.9 11.9#



#19  
1,1-Dichloroethane  
Concen: 0.878 ug/L  
RT: 6.208 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VW024266.D  
Acq: 17 Aug 2022 11:41

Tgt Ion: 63 Resp: 8297  
Ion Ratio Lower Upper  
63 100  
65 26.3 22.0 41.0  
83 10.6 9.2 17.0

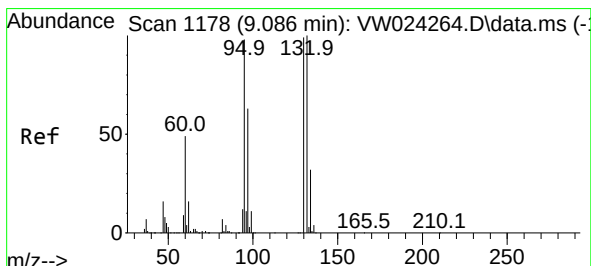
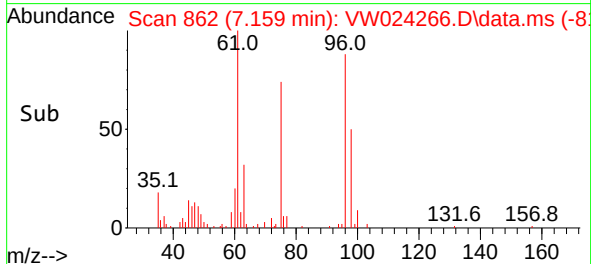
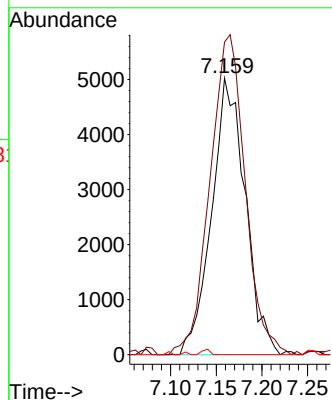
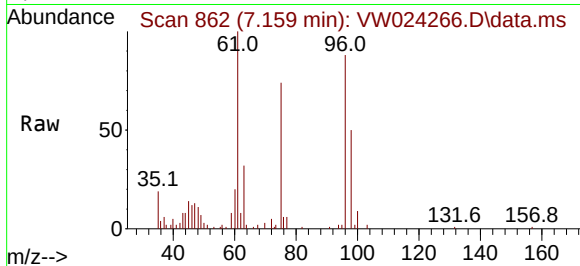




#20  
 cis-1,2-Dichloroethene  
 Concen: 2.178 ug/L  
 RT: 7.159 min Scan# 862  
 Delta R.T. -0.006 min  
 Lab File: VW024266.D  
 Acq: 17 Aug 2022 11:41

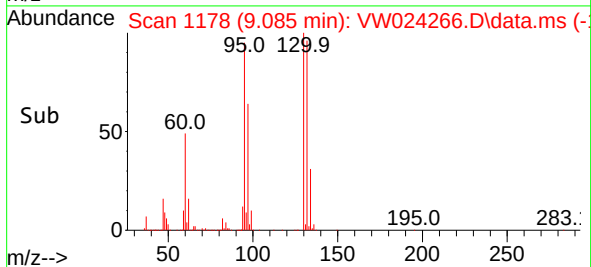
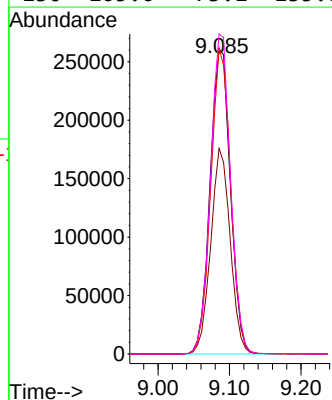
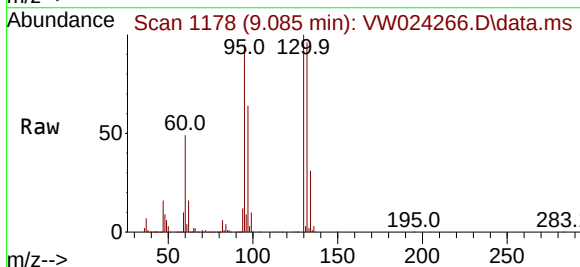
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0KP4

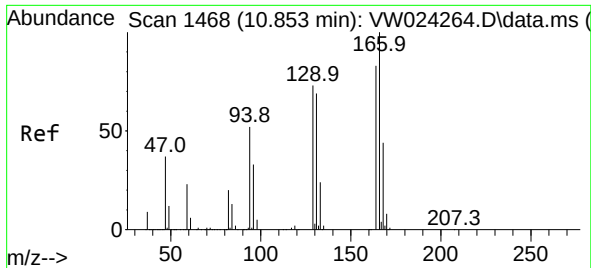
Tgt Ion: 96 Resp: 12837  
 Ion Ratio Lower Upper  
 96 100  
 61 113.1 89.5 166.3  
 68 0.0 0.1 0.1#



#34  
 Trichloroethene  
 Concen: 93.784 ug/L  
 RT: 9.085 min Scan# 1178  
 Delta R.T. -0.000 min  
 Lab File: VW024266.D  
 Acq: 17 Aug 2022 11:41

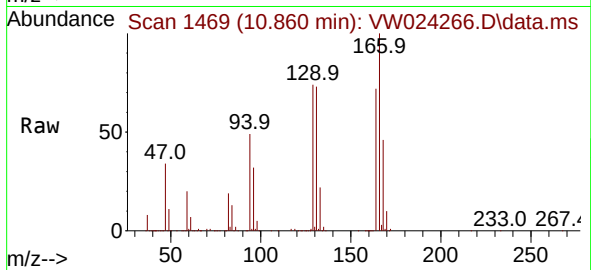
Tgt Ion: 95 Resp: 515326  
 Ion Ratio Lower Upper  
 95 100  
 97 67.4 41.6 77.2  
 132 100.4 67.0 124.4  
 130 105.0 73.1 135.8





#46  
 Tetrachloroethene  
 Concen: 47.334 ug/L  
 RT: 10.860 min Scan# 14  
 Delta R.T. 0.006 min  
 Lab File: VW024266.D  
 Acq: 17 Aug 2022 11:41

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0KP4



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 210561 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 103.5 | 63.1  | 117.3  |
| 131      | 101.6 | 63.9  | 118.7  |
| 166      | 139.7 | 86.8  | 161.2  |

