

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
 Data File : VW020343.D  
 Acq On : 07 Oct 2021 03:51  
 Operator : SY/VA  
 Sample : M4000-18  
 Misc : 4.42g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 07 05:30:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 07 05:04:04 2021  
 Response via : Initial Calibration

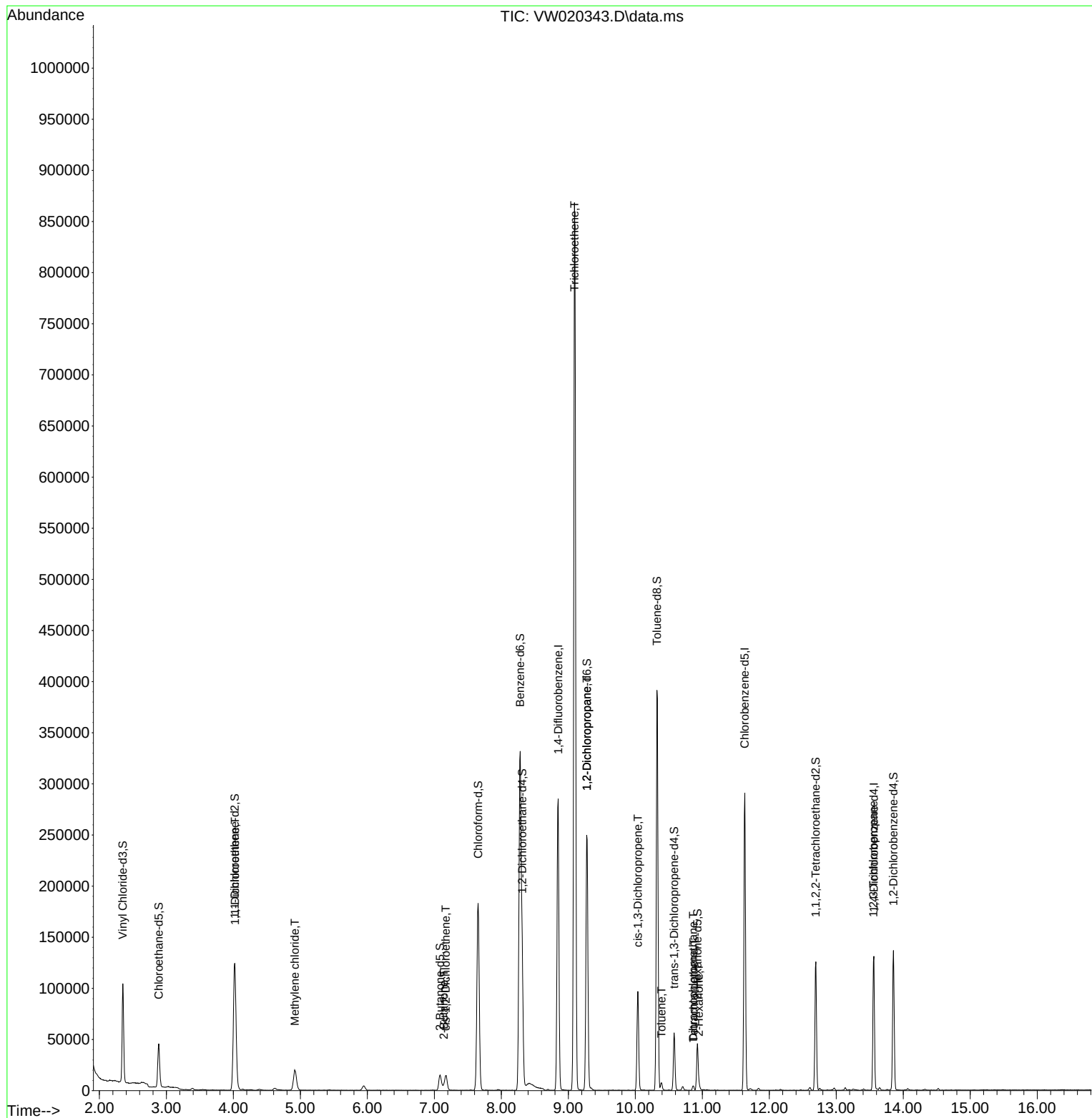
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.848     | 114   | 217588   | 25.000   | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 11.634    | 117   | 152184   | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560    | 152   | 32164    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 90883    | 30.306   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 121.240%  |          |
| 7) Chloroethane-d5            | 2.885     | 69    | 44812    | 34.486   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 137.960%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 127543   | 20.653   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 82.600%   |          |
| 21) 2-Butanone-d5             | 7.086     | 46    | 26811    | 35.194   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 70.380%   |          |
| 24) Chloroform-d              | 7.653     | 84    | 183014   | 29.293   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 117.160%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.311     | 65    | 98697    | 28.865   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 115.480%  |          |
| 32) Benzene-d6                | 8.281     | 84    | 327738   | 35.569   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 142.280%# |          |
| 36) 1,2-Dichloropropane-d6    | 9.275     | 67    | 117082   | 40.060   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 160.240%# |          |
| 41) Toluene-d8                | 10.323    | 98    | 246849   | 29.578   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 118.320%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 29656    | 24.938   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 99.760%   |          |
| 47) 2-Hexanone-d5             | 10.927    | 63    | 13767    | 34.081   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 68.160%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695    | 84    | 62845    | 30.809   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 123.240%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 33255    | 29.526   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 118.120%  |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          |             | Qvalue   |
| 12) 1,1-Dichloroethene        | 4.026     | 96    | 1340     | 0.443    | ug/L #      | 1        |
| 16) Methylene chloride        | 4.916     | 84    | 14058    | 3.618    | ug/L        | 95       |
| 20) cis-1,2-Dichloroethene    | 7.171     | 96    | 7369     | 2.273    | ug/L        | 93       |
| 22) 2-Butanone                | 7.141     | 43    | 5125     | 5.323    | ug/L #      | 52       |
| 34) Trichloroethene           | 9.092     | 95    | 307971   | 118.291  | ug/L        | 97       |
| 37) 1,2-Dichloropropane       | 9.275     | 63    | 13471    | 5.109    | ug/L #      | 88       |
| 39) cis-1,3-Dichloropropene   | 10.037    | 75    | 2345     | 0.629    | ug/L #      | 74       |
| 42) Toluene                   | 10.390    | 91    | 5118     | 0.481    | ug/L        | 90       |
| 46) Tetrachloroethene         | 10.872    | 164   | 1032     | 0.539    | ug/L        | 86       |
| 48) 2-Hexanone                | 10.951    | 43    | 1385     | 1.318    | ug/L #      | 41       |
| 49) Dibromochloromethane      | 10.866    | 129   | 987      | 0.527    | ug/L #      | 10       |
| 61) 1,2,3-Trichloropropane    | 13.554    | 75    | 4488     | 7.040    | ug/L #      | 68       |
| -----                         |           |       |          |          |             |          |

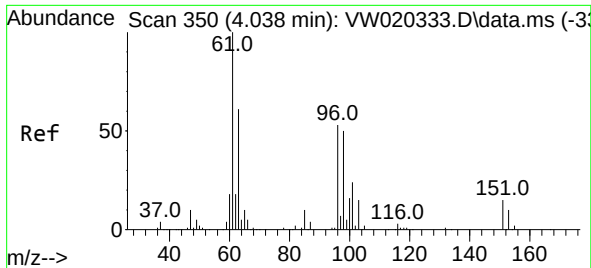
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4000-18  
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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :

Quant Time: Oct 07 05:30:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Oct 07 05:04:04 2021  
Response via : Initial Calibration

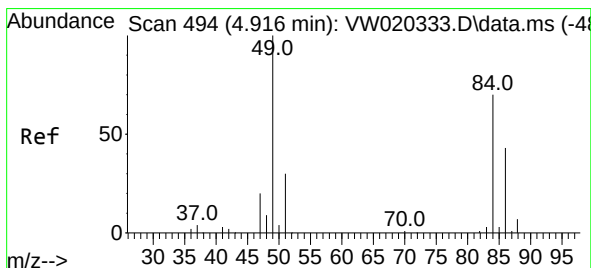
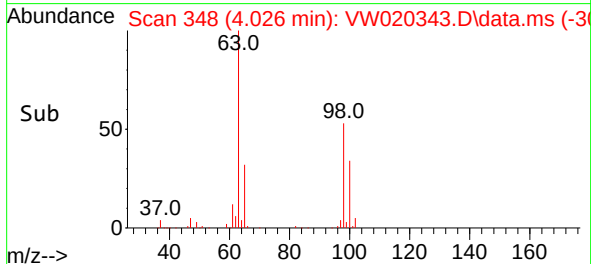
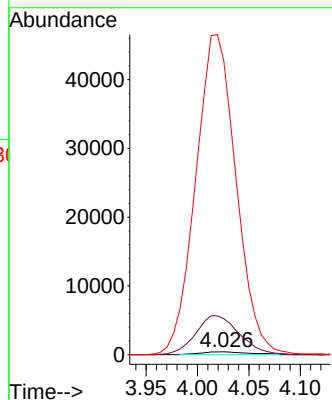
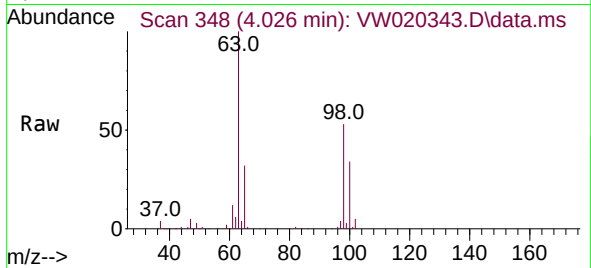




#12  
1,1-Dichloroethene  
Concen: 0.443 ug/L  
RT: 4.026 min Scan# 348  
Delta R.T. -0.012 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51

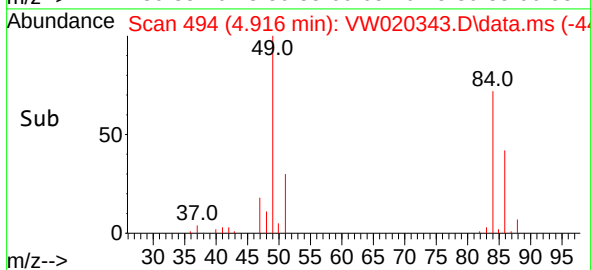
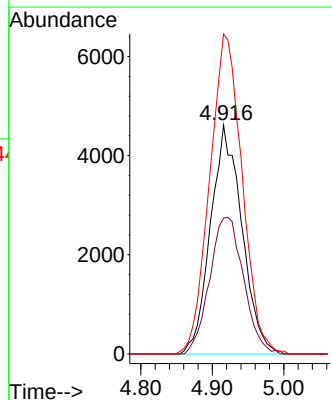
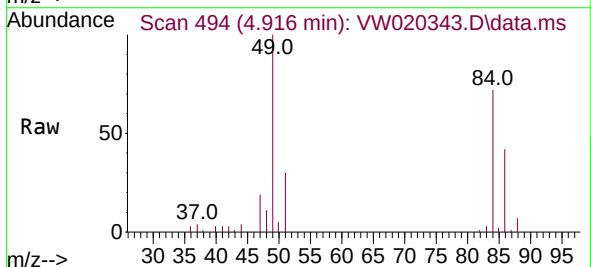
Instrument :  
MSVOA\_W  
ClientSampled :

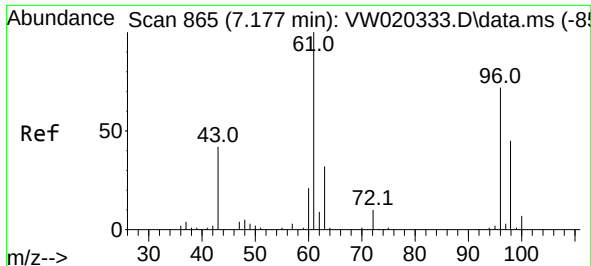
Tgt Ion: 96 Resp: 1340  
Ion Ratio Lower Upper  
96 100  
61 1256.3 133.9 248.7#  
63 10288.5 77.3 143.7#



#16  
Methylene chloride  
Concen: 3.618 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. 0.000 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51

Tgt Ion: 84 Resp: 14058  
Ion Ratio Lower Upper  
84 100  
86 59.4 44.7 83.1  
49 139.8 101.7 188.9



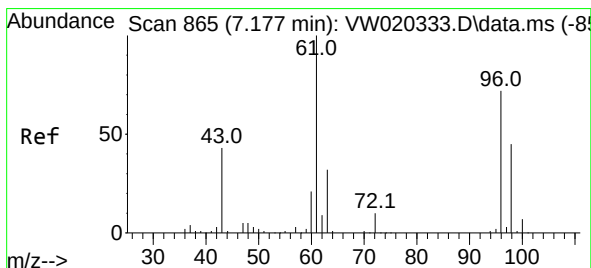
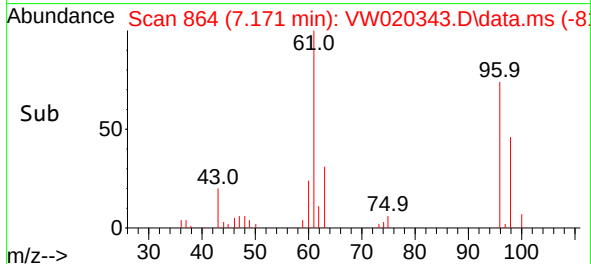
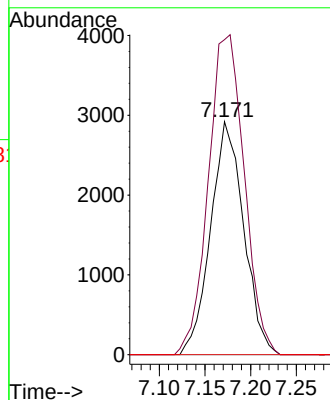
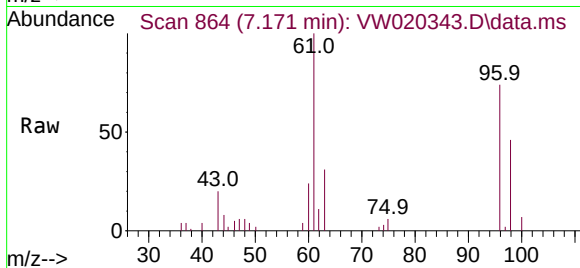


#20  
 cis-1,2-Dichloroethene  
 Concen: 2.273 ug/L  
 RT: 7.171 min Scan# 864  
 Delta R.T. -0.006 min  
 Lab File: VW020343.D  
 Acq: 07 Oct 2021 03:51

Instrument :  
 MSVOA\_W  
 ClientSampled :

Tgt Ion: 96 Resp: 7369  

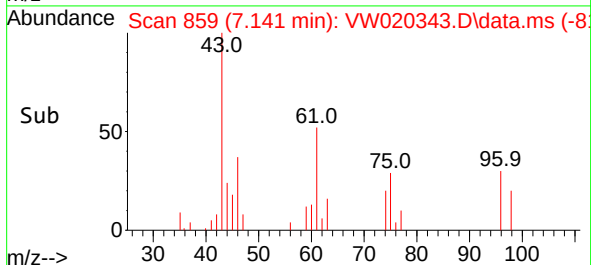
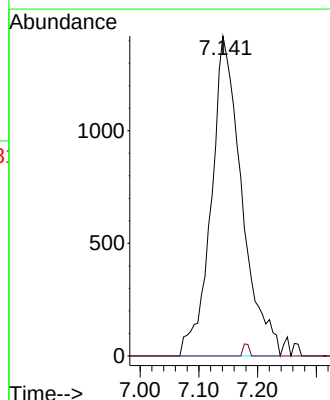
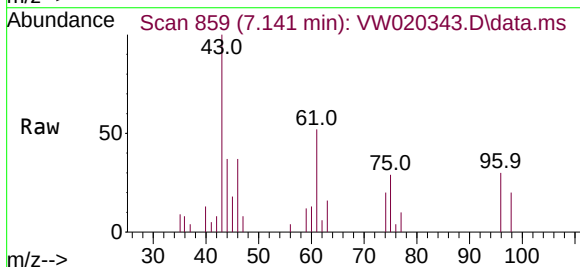
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 135.2 | 100.3 | 186.3 |
| 68  | 0.0   | 0.0   | 0.0   |

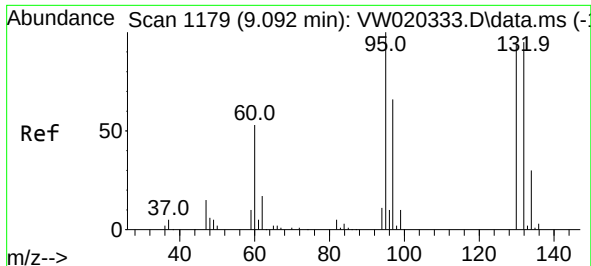


#22  
 2-Butanone  
 Concen: 5.323 ug/L  
 RT: 7.141 min Scan# 859  
 Delta R.T. -0.037 min  
 Lab File: VW020343.D  
 Acq: 07 Oct 2021 03:51

Tgt Ion: 43 Resp: 5125  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.7   | 12.2  | 36.6  |



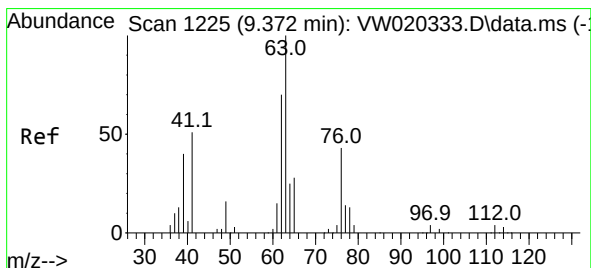
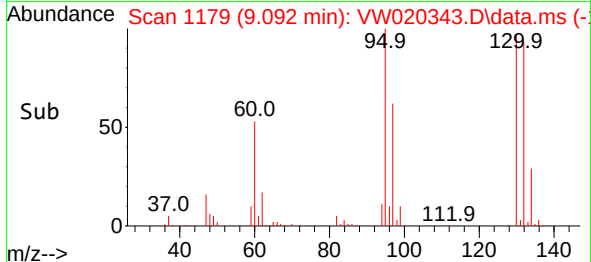
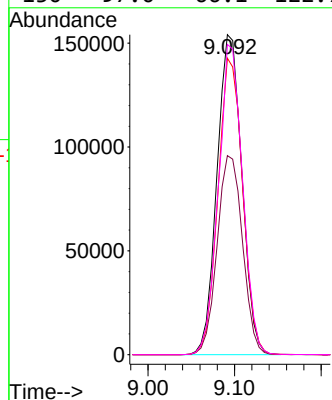
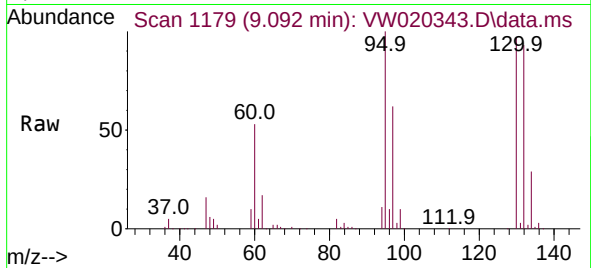


#34  
Trichloroethene  
Concen: 118.291 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51

Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion: 95 Resp: 307971

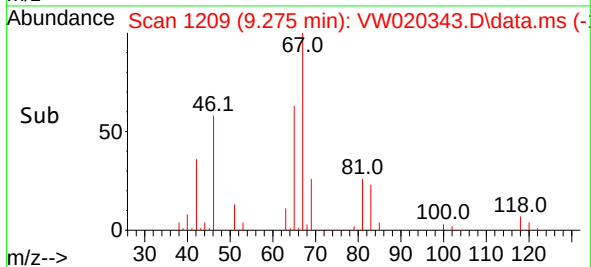
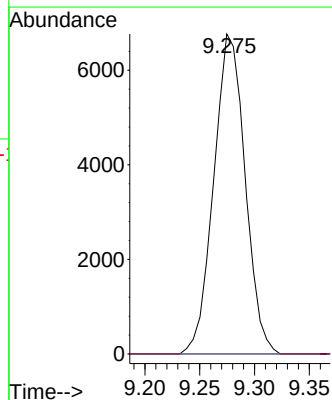
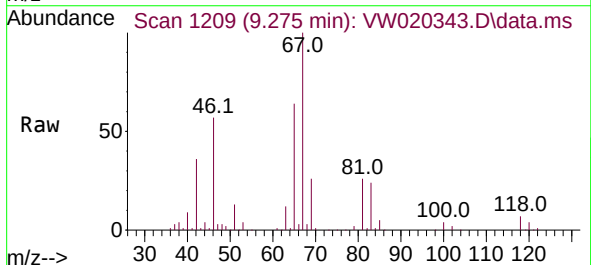
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.2  | 43.2  | 80.2  |
| 132 | 92.6  | 62.3  | 115.7 |
| 130 | 97.0  | 66.1  | 122.7 |

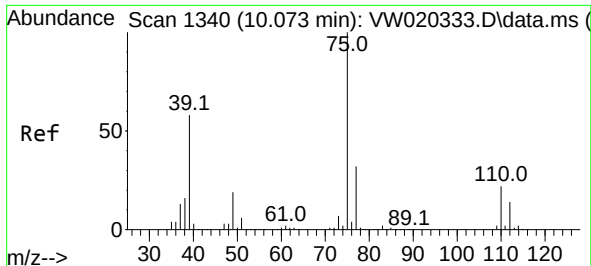


#37  
1,2-Dichloropropane  
Concen: 5.109 ug/L  
RT: 9.275 min Scan# 1209  
Delta R.T. -0.098 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51

Tgt Ion: 63 Resp: 13471

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 0.5   | 3.5   | 5.3#  |

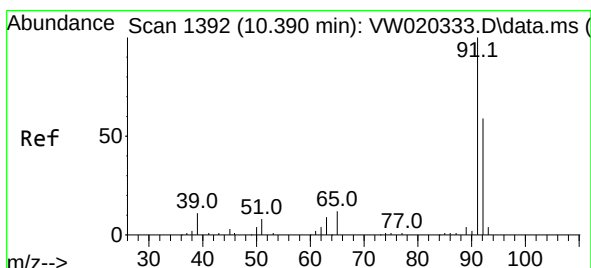
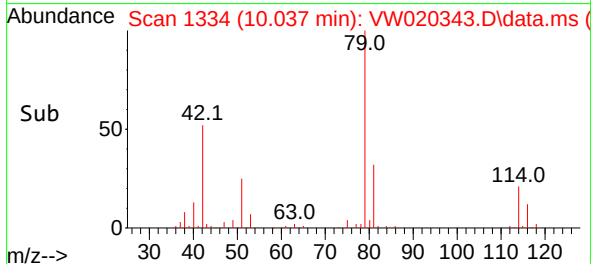
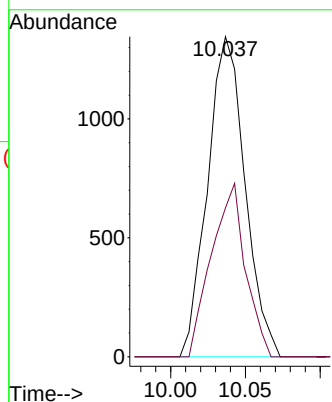
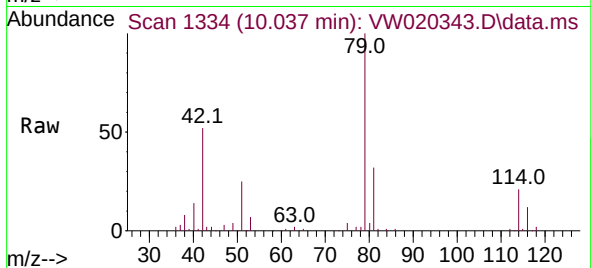




#39  
cis-1,3-Dichloropropene  
Concen: 0.629 ug/L  
RT: 10.037 min Scan# 1334  
Delta R.T. -0.037 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51

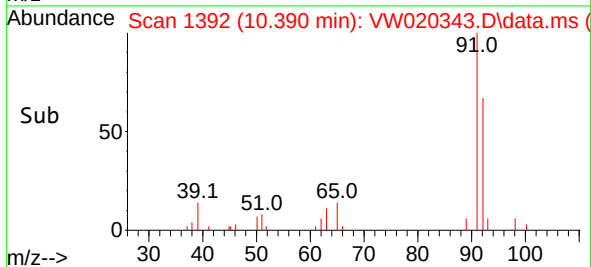
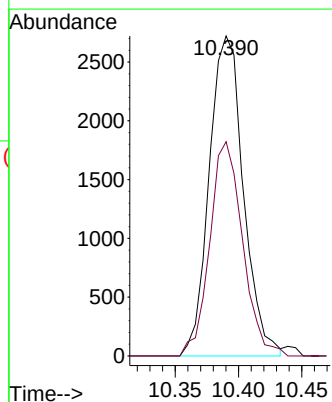
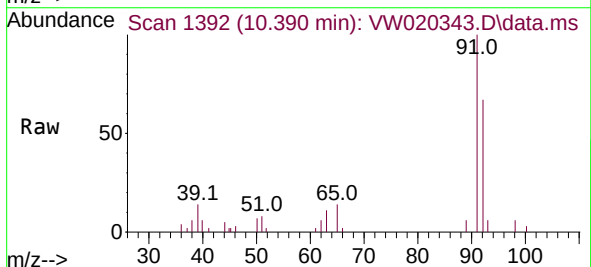
Instrument :  
MSVOA\_W  
ClientSampled :

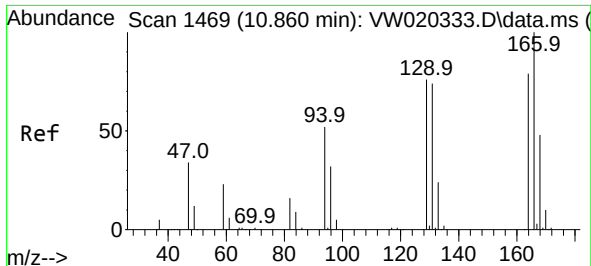
Tgt Ion: 75 Resp: 2345  
Ion Ratio Lower Upper  
75 100  
77 46.5 22.4 41.6#



#42  
Toluene  
Concen: 0.481 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51

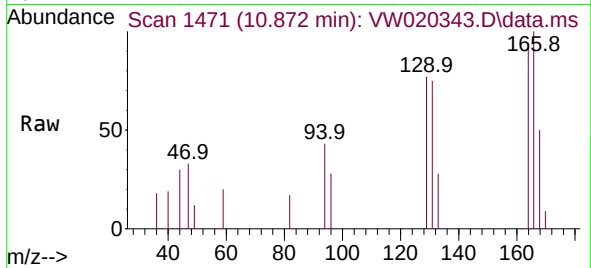
Tgt Ion: 91 Resp: 5118  
Ion Ratio Lower Upper  
91 100  
92 66.9 41.5 77.1





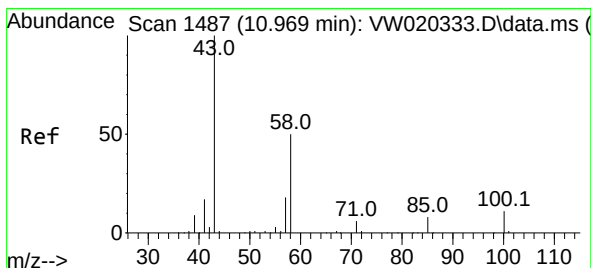
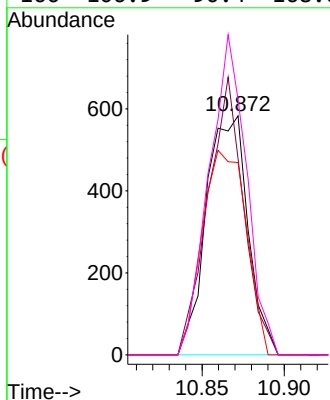
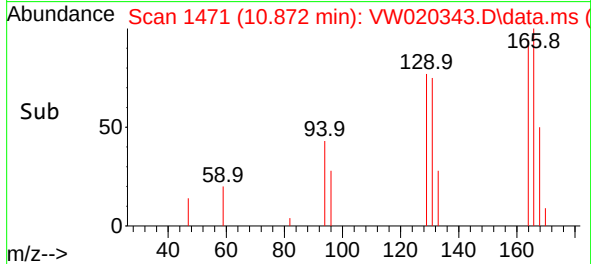
#46  
Tetrachloroethene  
Concen: 0.539 ug/L  
RT: 10.872 min Scan# 1471  
Delta R.T. 0.012 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51

Instrument :  
MSVOA\_W  
ClientSampled :

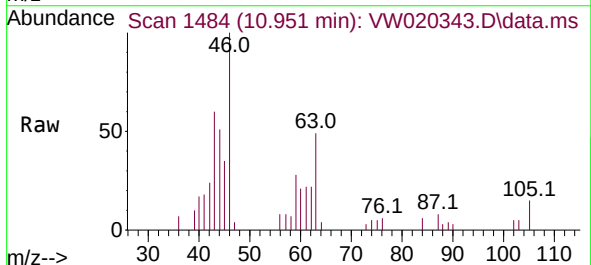


Tgt Ion:164 Resp: 1032

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 82.2  | 69.1  | 128.3 |
| 131 | 80.4  | 58.3  | 108.3 |
| 166 | 106.9 | 90.4  | 168.0 |

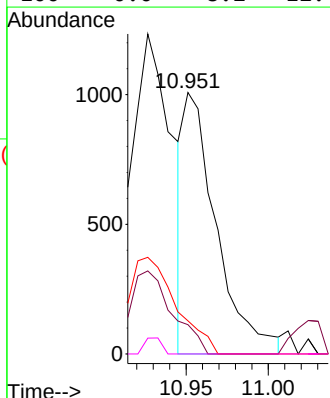
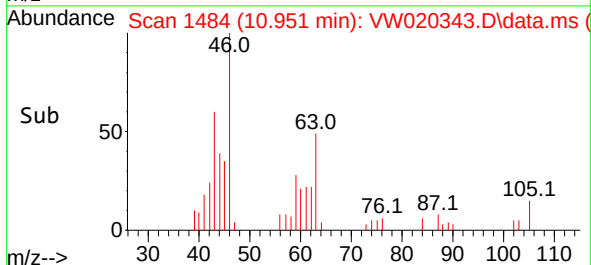


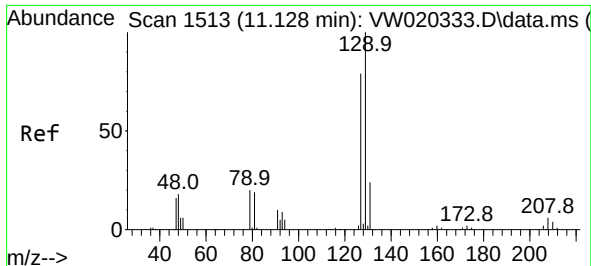
#48  
2-Hexanone  
Concen: 1.318 ug/L  
RT: 10.951 min Scan# 1484  
Delta R.T. -0.018 min  
Lab File: VW020343.D  
Acq: 07 Oct 2021 03:51



Tgt Ion: 43 Resp: 1385

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 0.0   | 39.5  | 59.3# |
| 57  | 0.0   | 14.2  | 21.4# |
| 100 | 0.0   | 8.2   | 12.4# |





#49

Dibromochloromethane

Concen: 0.527 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. -0.262 min

Lab File: VW020343.D

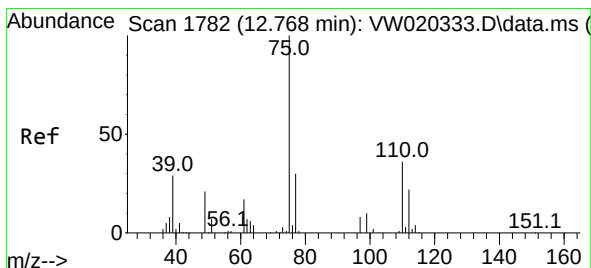
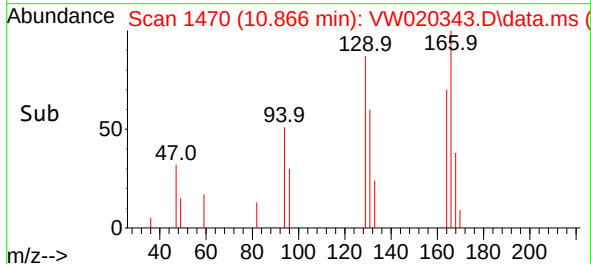
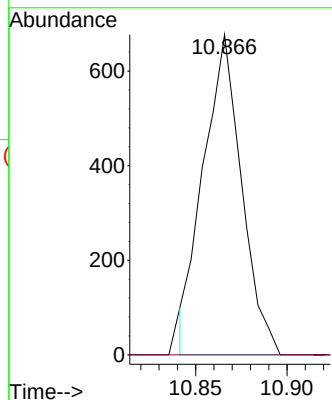
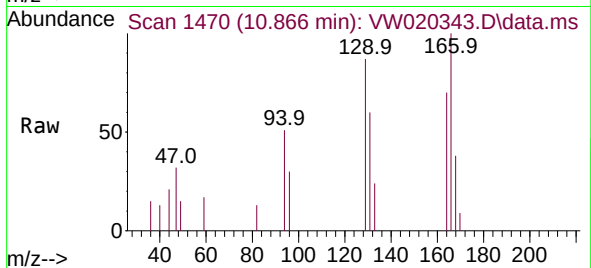
Acq: 07 Oct 2021 03:51

Tgt Ion:129 Resp: 987

Ion Ratio Lower Upper

129 100

127 0.0 55.1 102.3#



#61

1,2,3-Trichloropropane

Concen: 7.040 ug/L

RT: 13.554 min Scan# 1911

Delta R.T. 0.787 min

Lab File: VW020343.D

Acq: 07 Oct 2021 03:51

Tgt Ion: 75 Resp: 4488

Ion Ratio Lower Upper

75 100

77 33.1 25.1 37.7

110 2.5 29.4 44.0#

