

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
 Data File : VW020318.D  
 Acq On : 06 Oct 2021 15:48  
 Operator : SY/VA  
 Sample : M4001-03  
 Misc : 7.57g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 07 01:53:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 07 01:49:38 2021  
 Response via : Initial Calibration

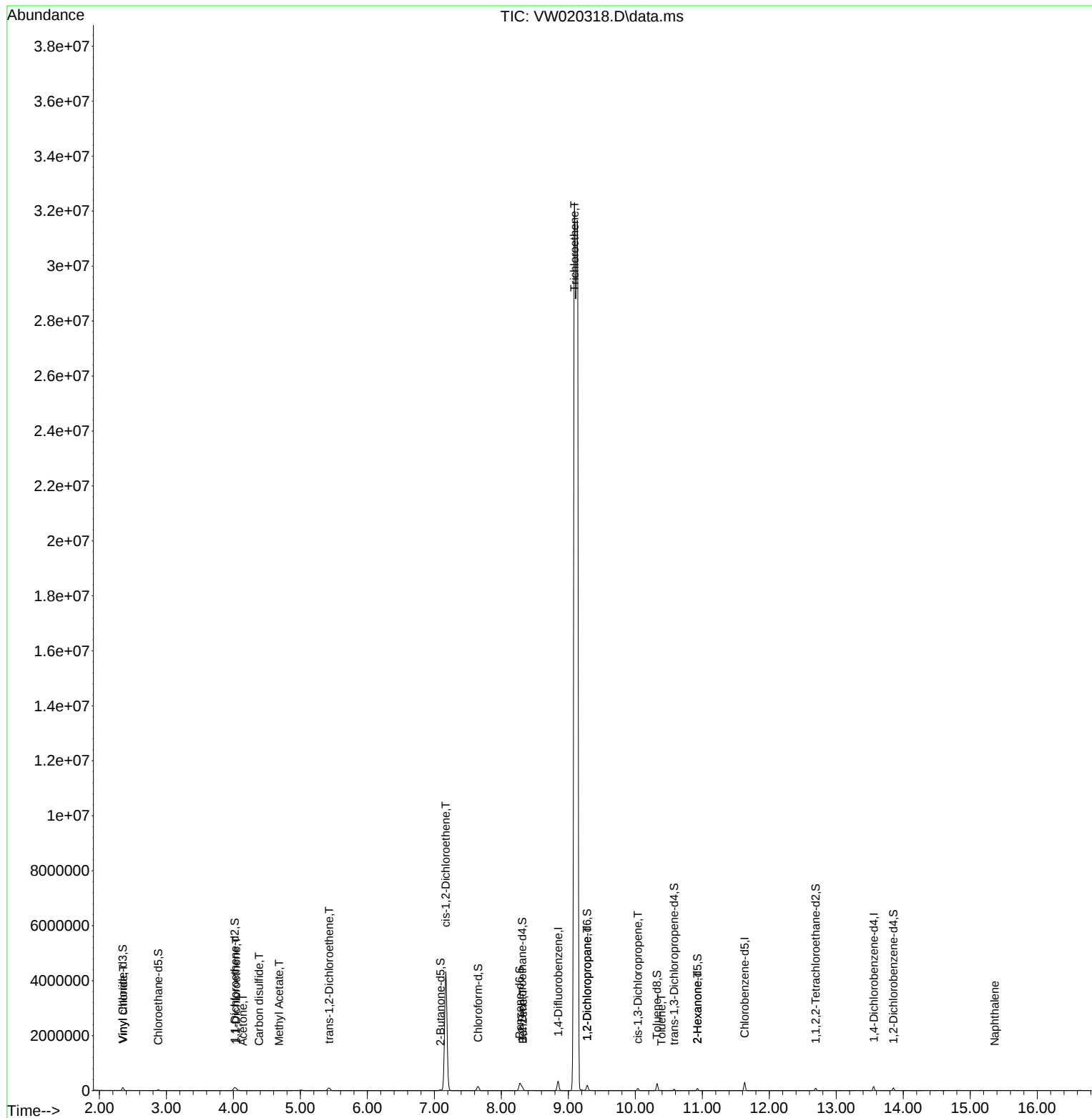
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 269212   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 152281   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 35880    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 74694    | 20.131   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.520%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 29953    | 18.631   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 101914   | 13.338   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 53.360%  |
| 21) 2-Butanone-d5             | 7.092  | 46    | 47347    | 50.234   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.460% |
| 24) Chloroform-d              | 7.653  | 84    | 148634   | 19.228   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 76.920%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 95672    | 22.615   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 90.480%  |
| 32) Benzene-d6                | 8.275  | 84    | 265310   | 28.775   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 115.120% |
| 36) 1,2-Dichloropropane-d6    | 9.281  | 67    | 81254    | 27.784   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 111.120% |
| 41) Toluene-d8                | 10.323 | 98    | 158178   | 18.941   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 75.760%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 25605    | 21.518   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 86.080%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 25249    | 62.466   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 124.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 44403    | 21.754   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 23673    | 18.842   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 75.360%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 2.355  | 62    | 23945    | 4.881    | ug/L # | 81       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 20188    | 5.389    | ug/L # | 57       |
| 13) Acetone                   | 4.141  | 43    | 6660     | 6.873    | ug/L   | 91       |
| 14) Carbon disulfide          | 4.385  | 76    | 14964    | 1.215    | ug/L   | 97       |
| 15) Methyl Acetate            | 4.684  | 43    | 1900     | 1.073    | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 57500    | 14.662   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 2468296  | 615.483  | ug/L   | 96       |
| 33) Benzene                   | 8.323  | 78    | 7240     | 0.684    | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95    | 11772402 | 4518.887 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.281  | 63    | 9695     | 3.675    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 10.036 | 75    | 1876     | 0.503    | ug/L # | 66       |
| 42) Toluene                   | 10.390 | 91    | 7857     | 0.738    | ug/L   | 98       |
| 48) 2-Hexanone                | 10.927 | 43    | 4177     | 3.973    | ug/L # | 67       |
| 71) Naphthalene               | 15.365 | 128   | 1439     | 0.665    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

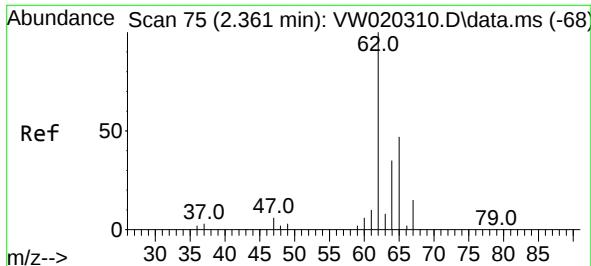
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
Data File : VW020318.D  
Acq On : 06 Oct 2021 15:48  
Operator : SY/VA  
Sample : M4001-03  
Misc : 7.57g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 07 01:53:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Oct 07 01:49:38 2021  
Response via : Initial Calibration

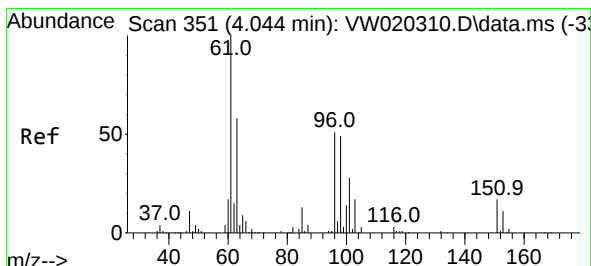
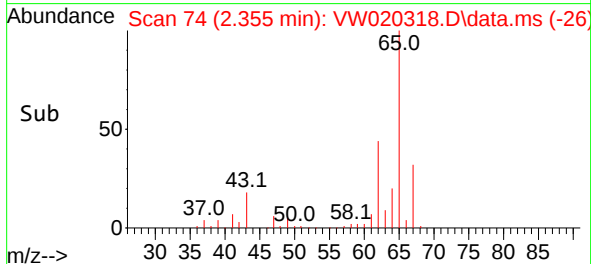
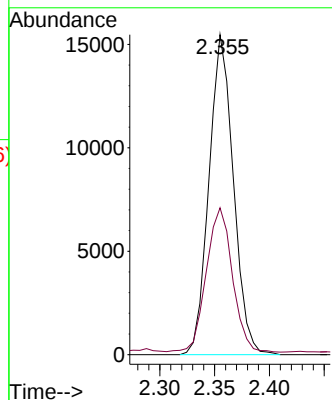
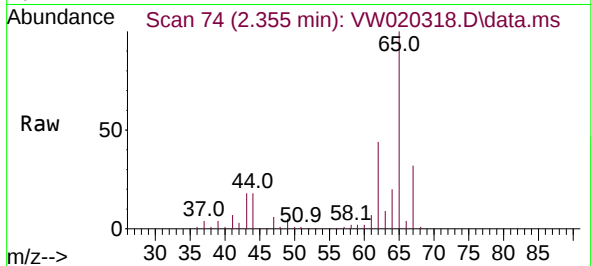




#5  
 Vinyl chloride  
 Concen: 4.881 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW020318.D  
 Acq: 06 Oct 2021 15:48

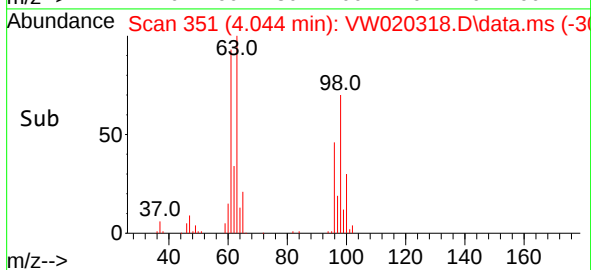
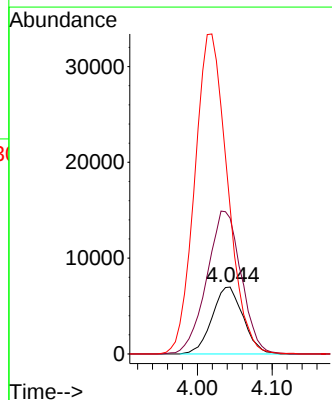
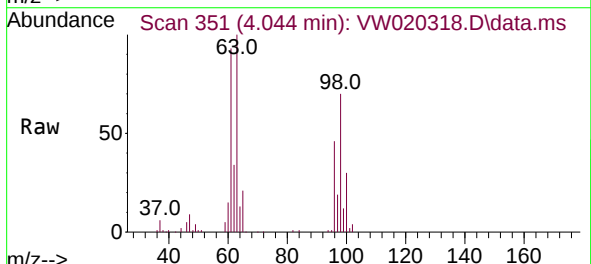
Instrument :  
 MSVOA\_W  
 ClientSampled :

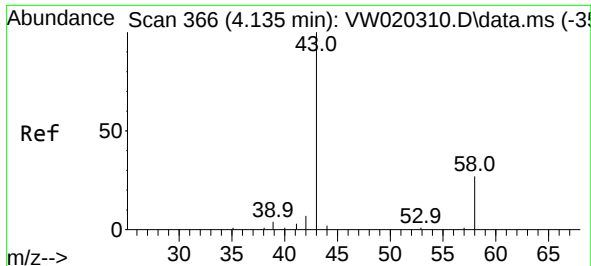
Tgt Ion: 62 Resp: 23945  
 Ion Ratio Lower Upper  
 62 100  
 64 45.9 24.6 45.6#



#12  
 1,1-Dichloroethene  
 Concen: 5.389 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. -0.000 min  
 Lab File: VW020318.D  
 Acq: 06 Oct 2021 15:48

Tgt Ion: 96 Resp: 20188  
 Ion Ratio Lower Upper  
 96 100  
 61 203.2 133.9 248.7  
 63 219.1 77.3 143.7#

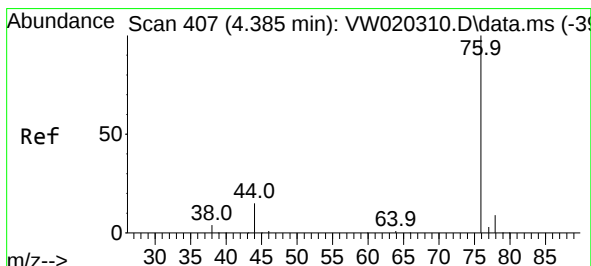
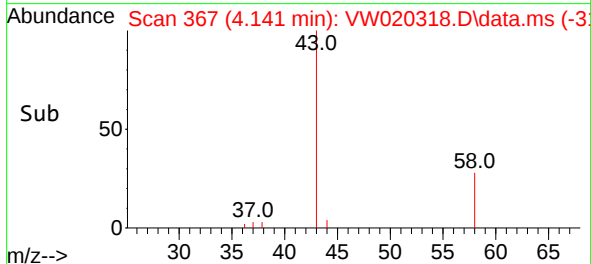
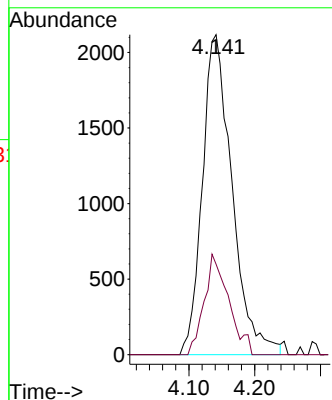
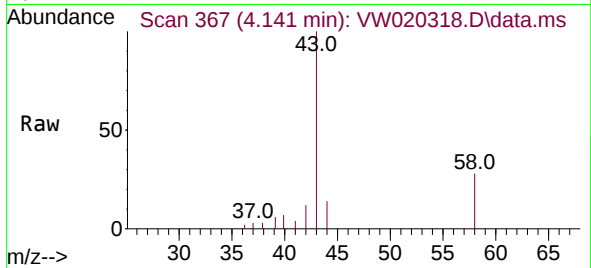




#13  
Acetone  
Concen: 6.873 ug/L  
RT: 4.141 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

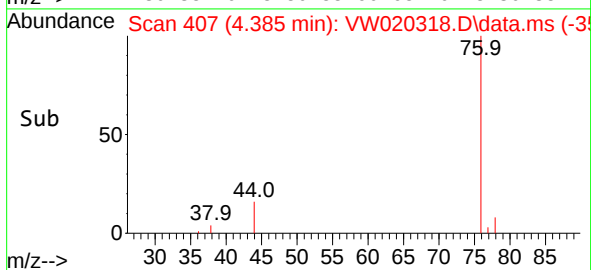
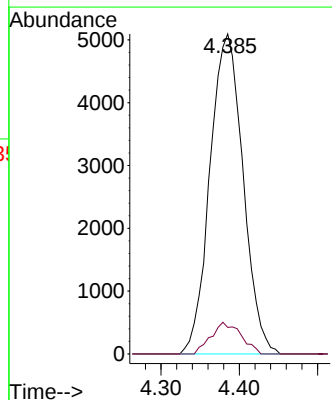
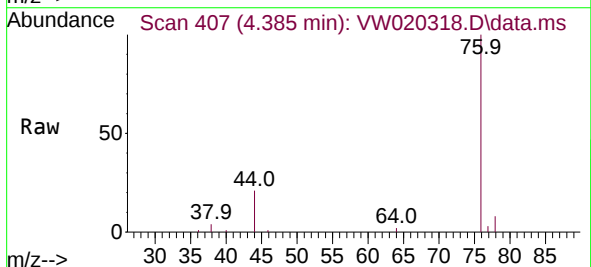
Instrument :  
MSVOA\_W  
ClientSampled :

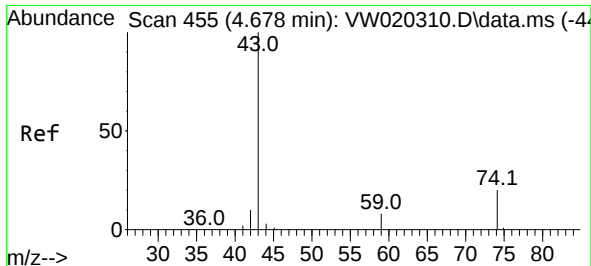
Tgt Ion: 43 Resp: 6660  
Ion Ratio Lower Upper  
43 100  
58 24.4 0.0 58.4



#14  
Carbon disulfide  
Concen: 1.215 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

Tgt Ion: 76 Resp: 14964  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.4 11.2

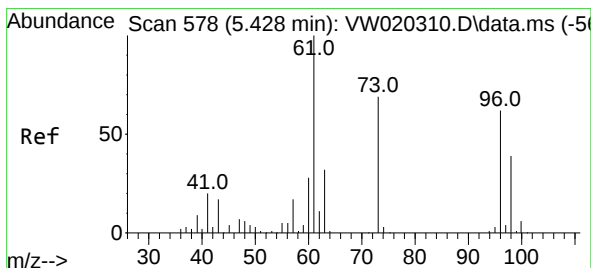
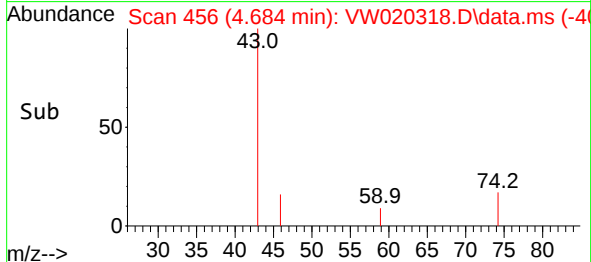
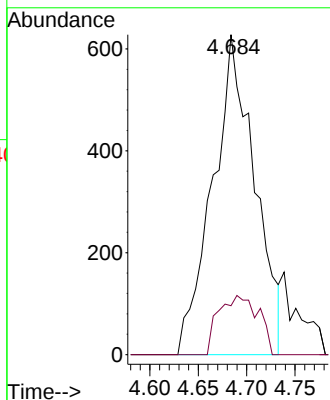
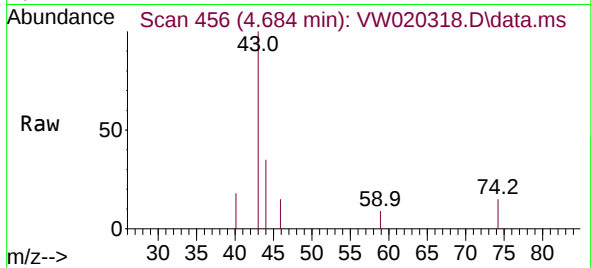




#15  
Methyl Acetate  
Concen: 1.073 ug/L  
RT: 4.684 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

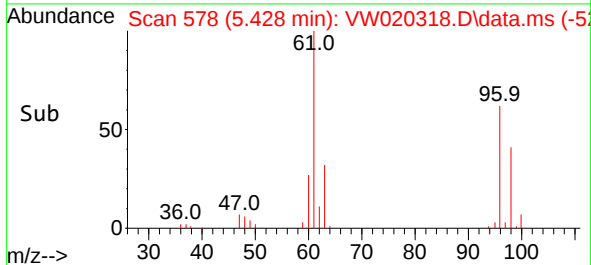
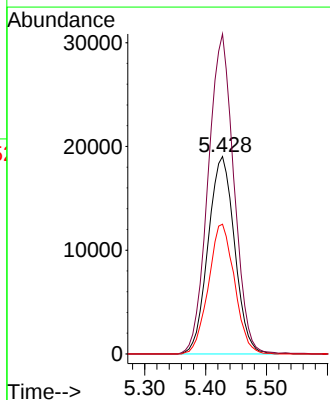
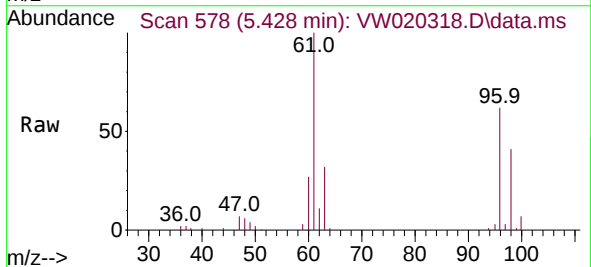
Instrument :  
MSVOA\_W  
ClientSampled :

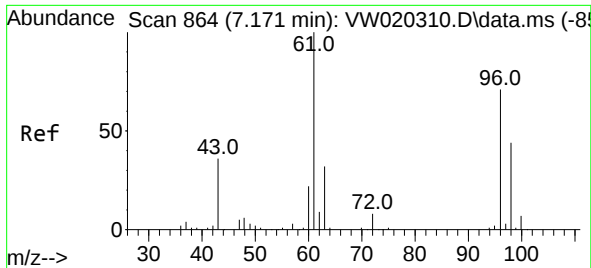
Tgt Ion: 43 Resp: 1900  
Ion Ratio Lower Upper  
43 100  
74 17.5 16.1 24.1



#17  
trans-1,2-Dichloroethene  
Concen: 14.662 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

Tgt Ion: 96 Resp: 57500  
Ion Ratio Lower Upper  
96 100  
61 162.1 110.7 205.5  
98 65.7 43.9 81.5





#20

cis-1,2-Dichloroethene

Concen: 615.483 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.000 min

Lab File: VW020318.D

Acq: 06 Oct 2021 15:48

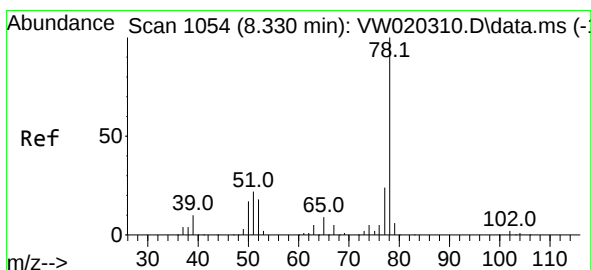
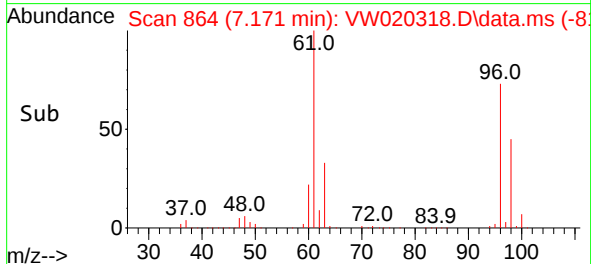
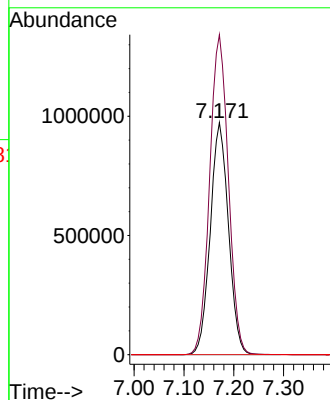
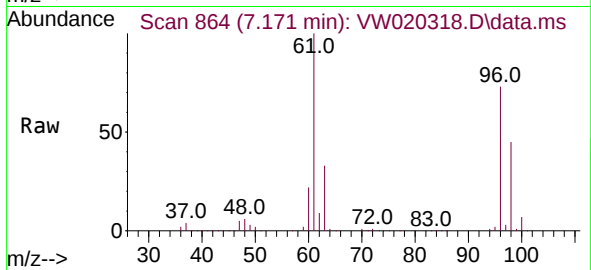
Instrument :

MSVOA\_W

ClientSampled :

Tgt Ion: 96 Resp: 2468296

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 137.8 | 100.3 | 186.3 |
| 68  | 0.0   | 0.0   | 0.0   |



#33

Benzene

Concen: 0.684 ug/L

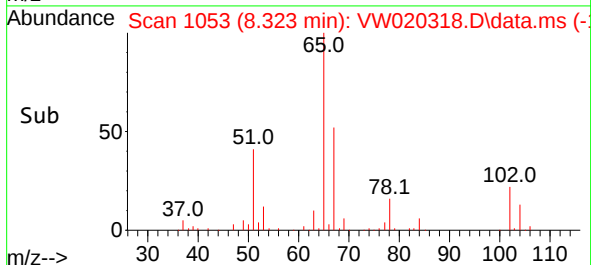
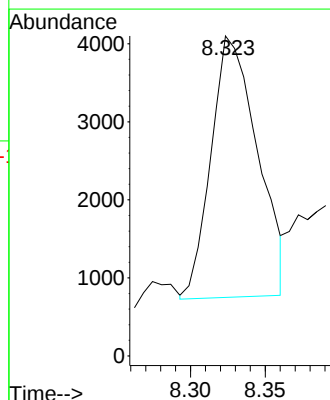
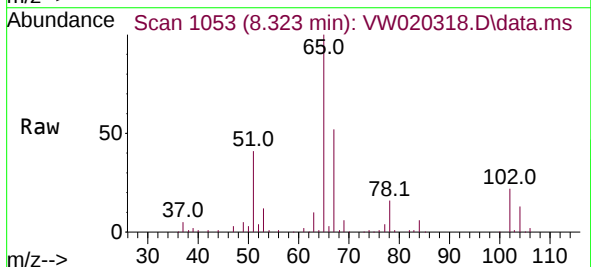
RT: 8.323 min Scan# 1053

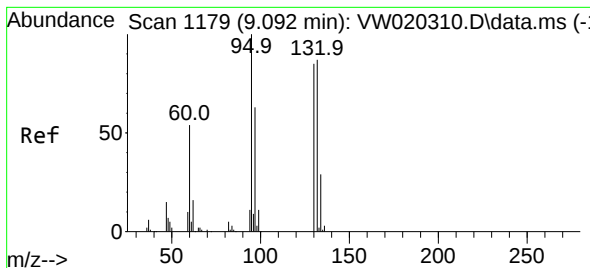
Delta R.T. -0.006 min

Lab File: VW020318.D

Acq: 06 Oct 2021 15:48

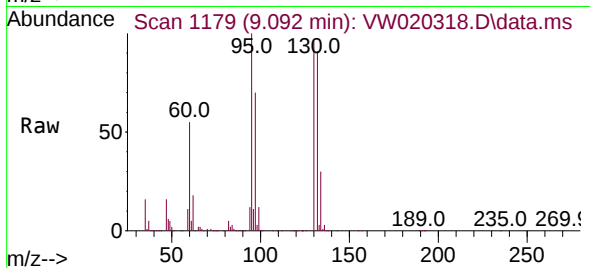
Tgt Ion: 78 Resp: 7240





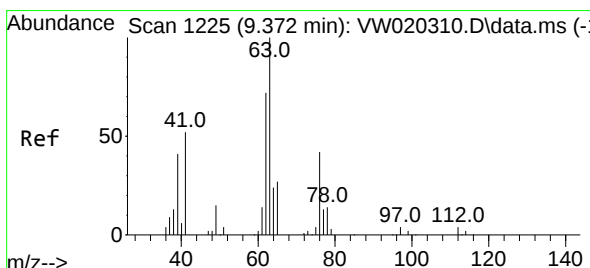
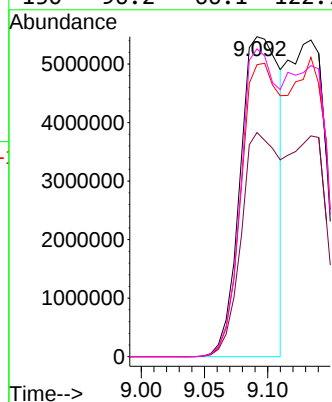
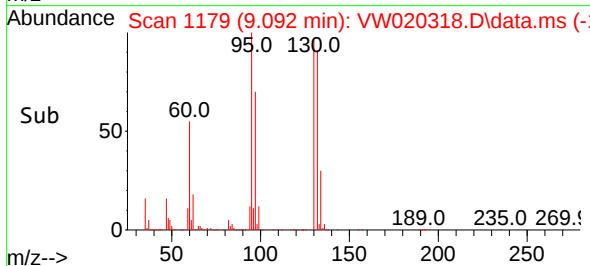
#34  
Trichloroethene  
Concen: 4518.887 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

Instrument :  
MSVOA\_W  
ClientSampleId :

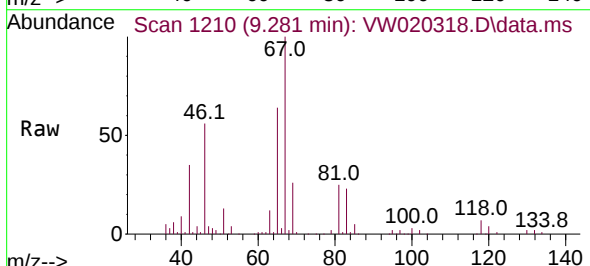


Tgt Ion: 95 Resp:11772402

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 70.0  | 43.2  | 80.2  |
| 132 | 91.2  | 62.3  | 115.7 |
| 130 | 96.2  | 66.1  | 122.7 |

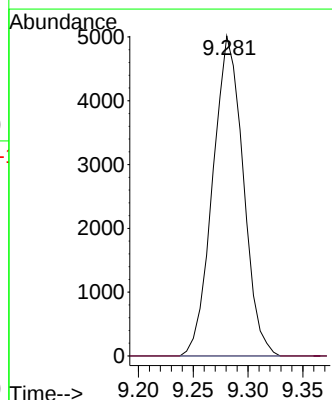
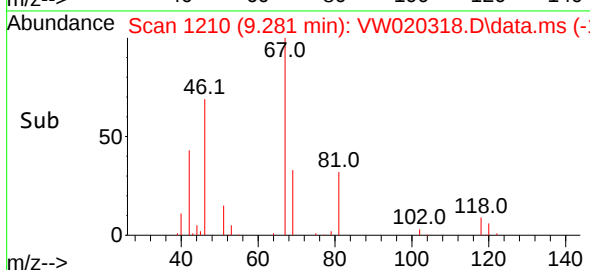


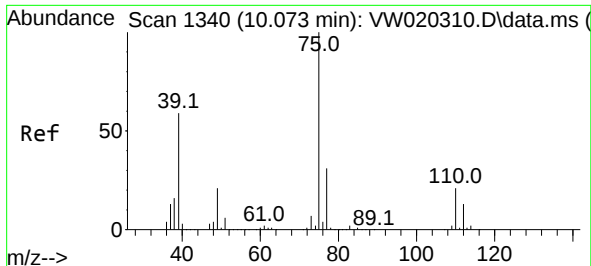
#37  
1,2-Dichloropropane  
Concen: 3.675 ug/L  
RT: 9.281 min Scan# 1210  
Delta R.T. -0.092 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48



Tgt Ion: 63 Resp: 9695

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 0.0   | 3.5   | 5.3   |

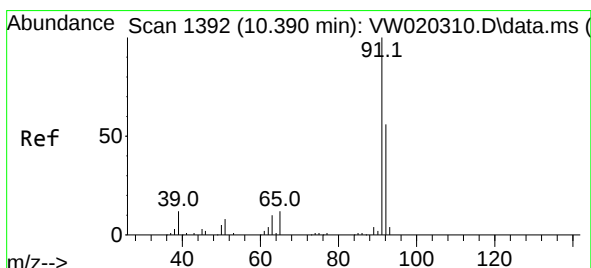
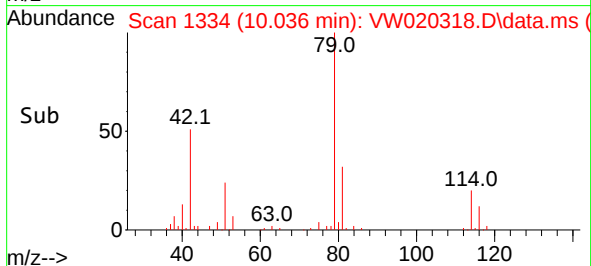
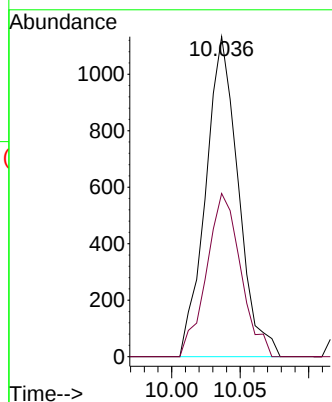
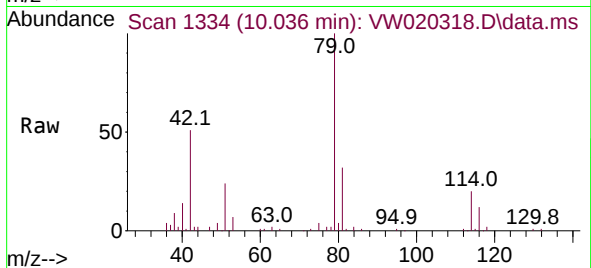




#39  
cis-1,3-Dichloropropene  
Concen: 0.503 ug/L  
RT: 10.036 min Scan# 1334  
Delta R.T. -0.037 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

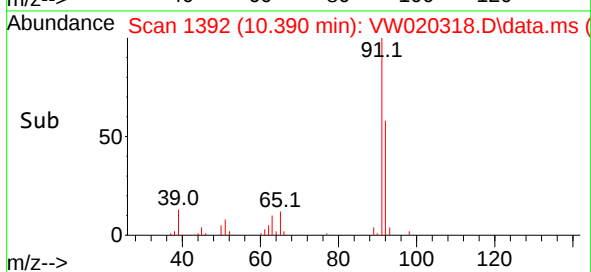
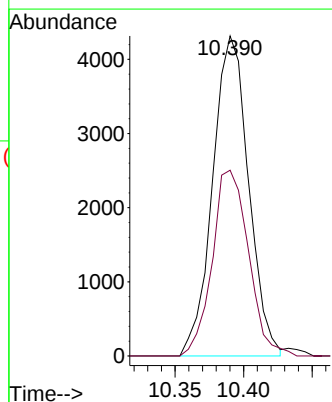
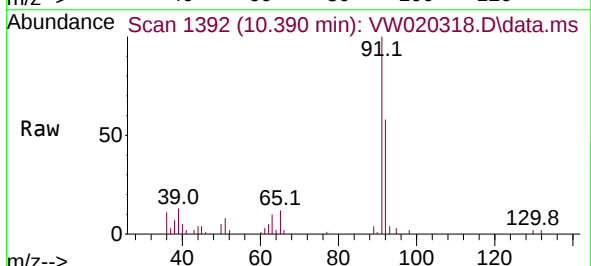
Instrument :  
MSVOA\_W  
ClientSampled :

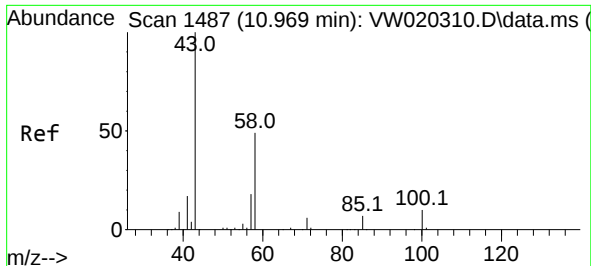
Tgt Ion: 75 Resp: 1876  
Ion Ratio Lower Upper  
75 100  
77 51.0 22.4 41.6#



#42  
Toluene  
Concen: 0.738 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

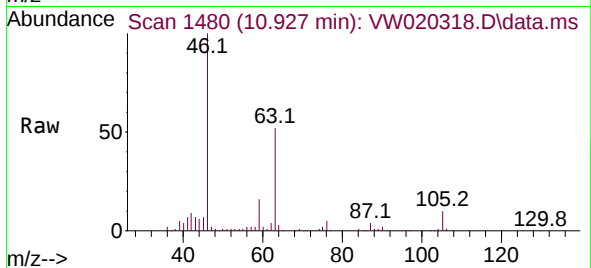
Tgt Ion: 91 Resp: 7857  
Ion Ratio Lower Upper  
91 100  
92 58.0 41.5 77.1



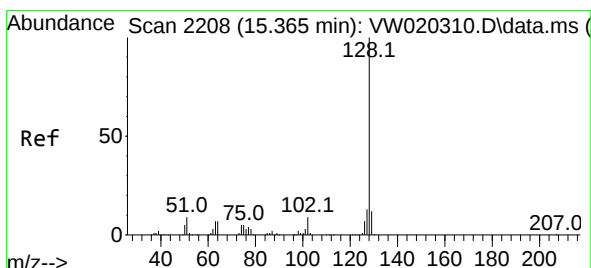
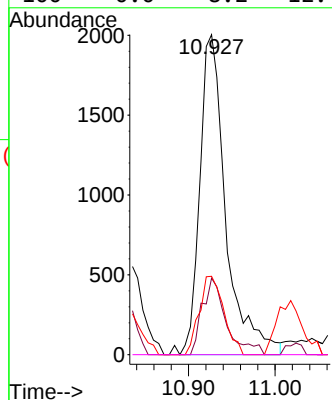
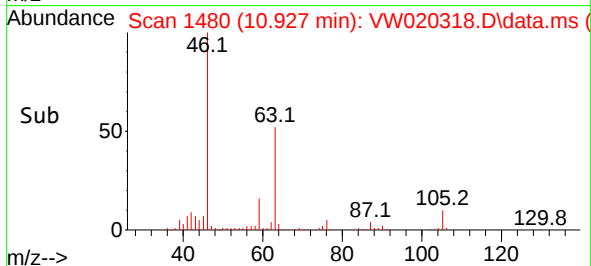


#48  
2-Hexanone  
Concen: 3.973 ug/L  
RT: 10.927 min Scan# 1480  
Delta R.T. -0.043 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48

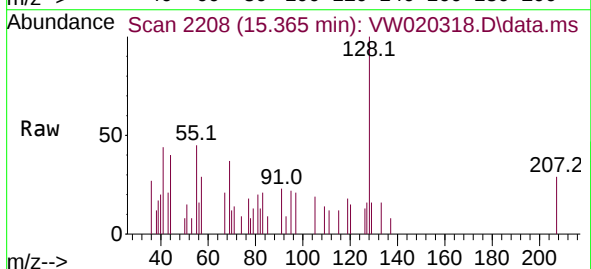
Instrument :  
MSVOA\_W  
ClientSampled :



| Tgt Ion:  | 43   | Resp: | 4177  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 58        | 20.4 | 39.5  | 59.3# |
| 57        | 23.1 | 14.2  | 21.4# |
| 100       | 0.0  | 8.2   | 12.4# |



#71  
Naphthalene  
Concen: 0.665 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW020318.D  
Acq: 06 Oct 2021 15:48



| Tgt Ion:  | 128  | Resp: | 1439  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 128       | 100  |       |       |
| 127       | 13.1 | 10.5  | 15.7  |
| 129       | 11.7 | 8.7   | 13.1  |

