

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071322\  
 Data File : VW023684.D  
 Acq On : 14 Jul 2022 07:34  
 Operator : SY/VA  
 Sample : N3698-04  
 Misc : 5.39g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F5B69

Quant Time: Jul 14 07:58:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jul 14 04:56:40 2022  
 Response via : Initial Calibration

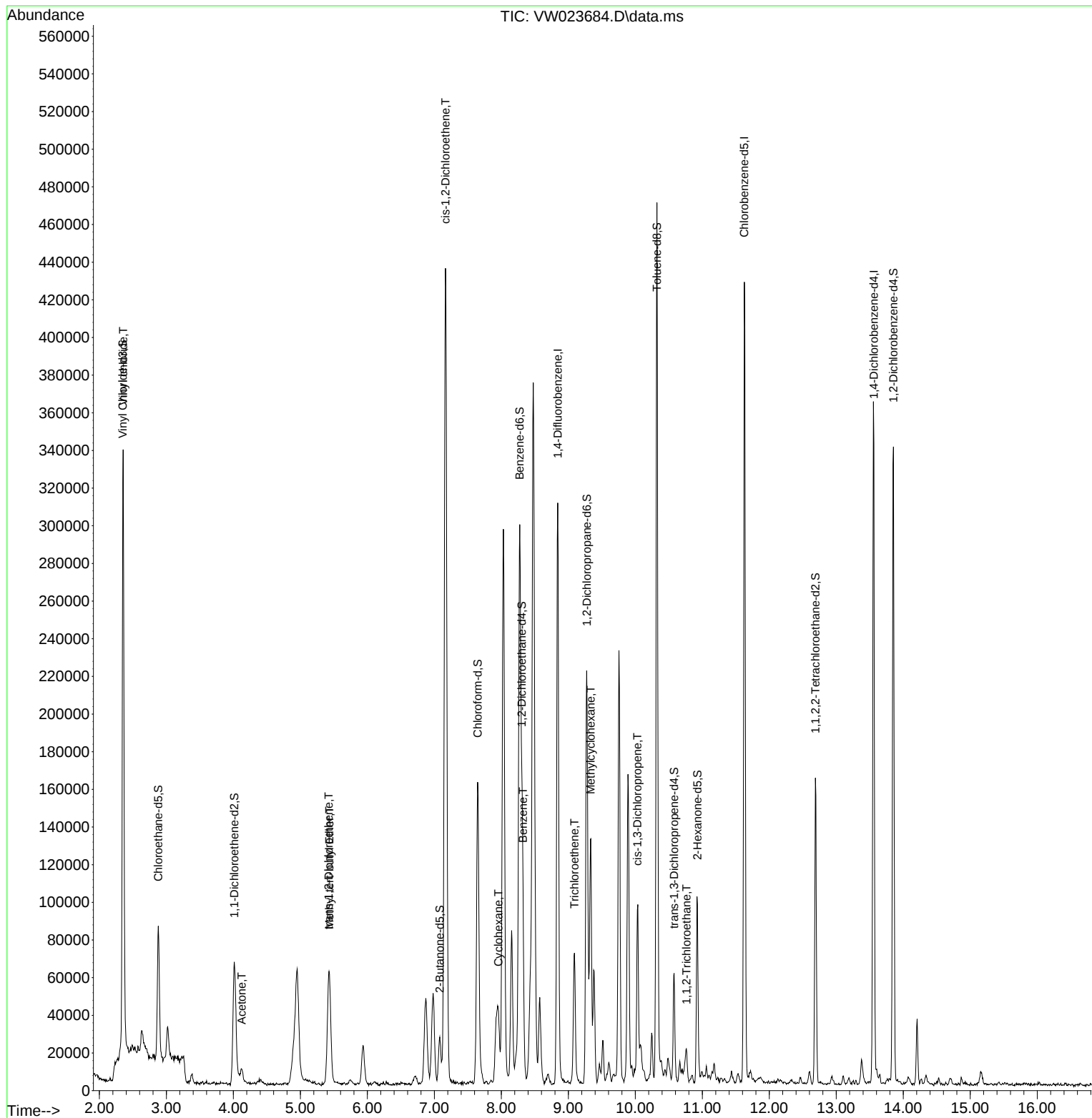
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 238817   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 215922   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 83883    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 103625   | 16.989   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 67.960%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 81333    | 19.988   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.960%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 62832    | 12.650   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 50.600%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 38910    | 41.126   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 82.260%  |
| 24) Chloroform-d              | 7.647  | 84    | 148747   | 21.393   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 85.560%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 89040    | 20.938   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 83.760%  |
| 32) Benzene-d6                | 8.275  | 84    | 288801   | 25.730   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.920% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 88594    | 26.204   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 104.800% |
| 41) Toluene-d8                | 10.323 | 98    | 272927   | 23.972   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.880%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 28792    | 18.168   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 72.680%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 29717    | 41.799   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 83.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 72799    | 19.484   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 77.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 79384    | 26.510   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 106.040% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 2.355  | 62    | 243028   | 35.611   | ug/L   | 99       |
| 13) Acetone                   | 4.123  | 43    | 10585    | 15.824   | ug/L   | 64       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 9669     | 3.148    | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 6070     | 1.277    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 245218   | 72.063   | ug/L # | 99       |
| 29) Cyclohexane               | 7.958  | 56    | 22477    | 5.692    | ug/L # | 82       |
| 33) Benzene                   | 8.323  | 78    | 49330    | 4.020    | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95    | 19791    | 6.108    | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.335  | 83    | 39288    | 7.963    | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 10.030 | 75    | 3418     | 0.737    | ug/L   | 89       |
| 45) 1,1,2-Trichloroethane     | 10.762 | 97    | 4227     | 1.571    | ug/L # | 30       |
| -----                         |        |       |          |          |        |          |

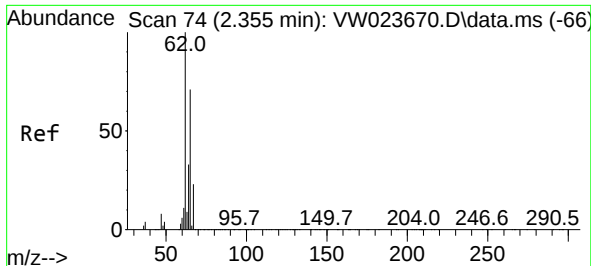
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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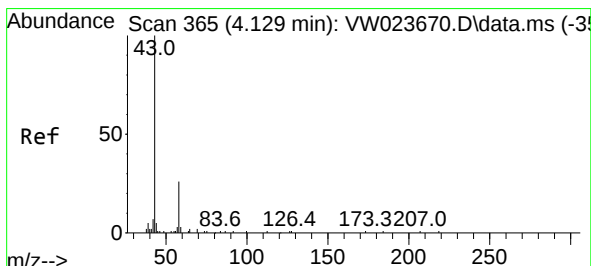
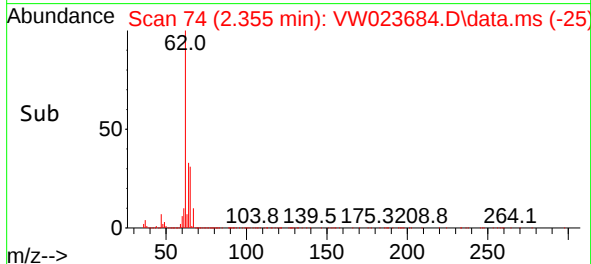
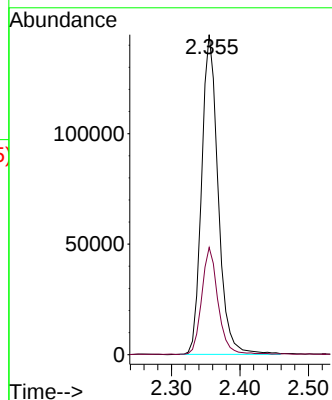
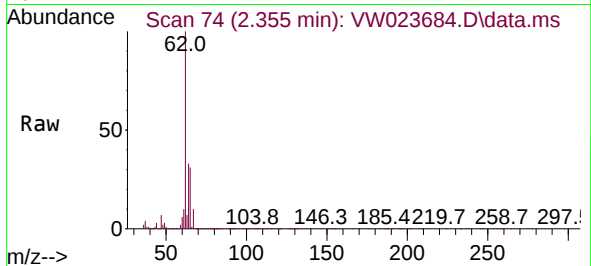




#5  
 Vinyl chloride  
 Concen: 35.611 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: VW023684.D  
 Acq: 14 Jul 2022 07:34

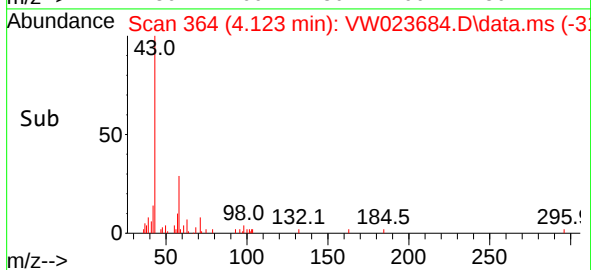
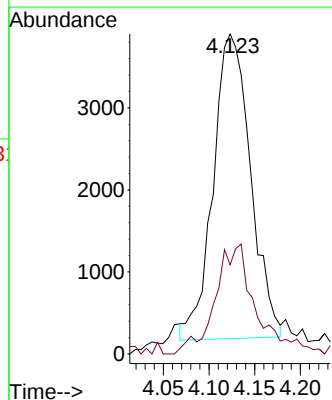
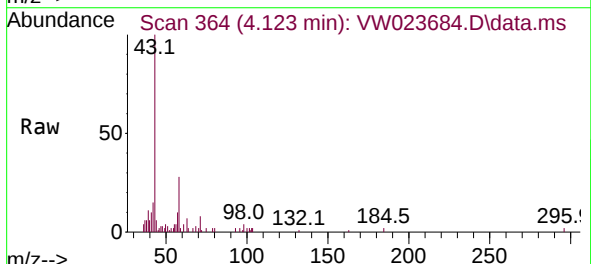
Instrument :  
 MSVOA\_W  
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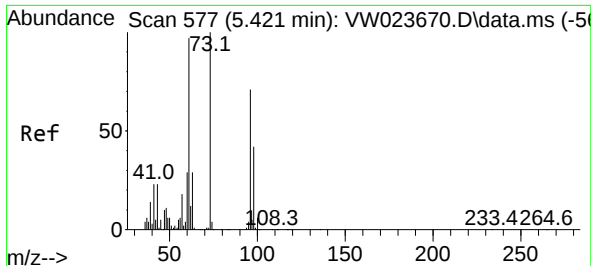
Tgt Ion: 62 Resp: 243028  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 24.0 44.6



#13  
 Acetone  
 Concen: 15.824 ug/L  
 RT: 4.123 min Scan# 364  
 Delta R.T. -0.006 min  
 Lab File: VW023684.D  
 Acq: 14 Jul 2022 07:34

Tgt Ion: 43 Resp: 10585  
 Ion Ratio Lower Upper  
 43 100  
 58 11.8 0.0 64.2

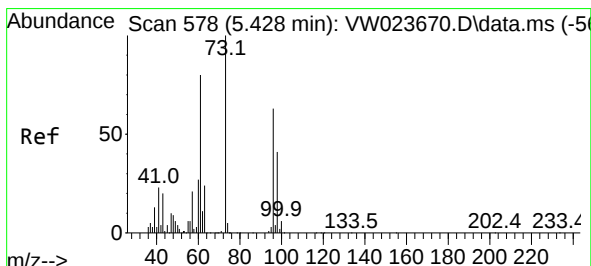
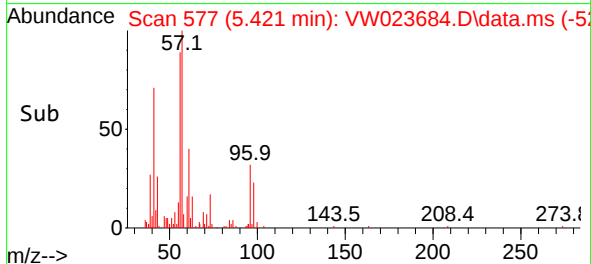
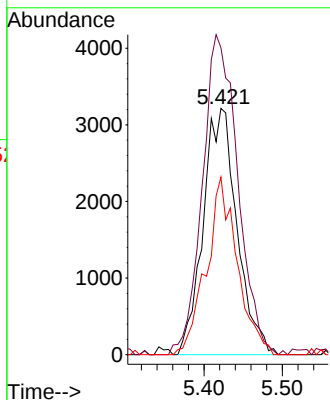
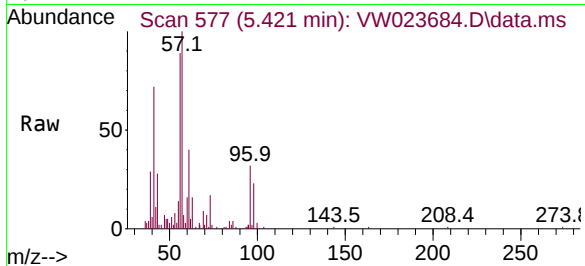




#17  
trans-1,2-Dichloroethene  
Concen: 3.148 ug/L  
RT: 5.421 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: VW023684.D  
Acq: 14 Jul 2022 07:34

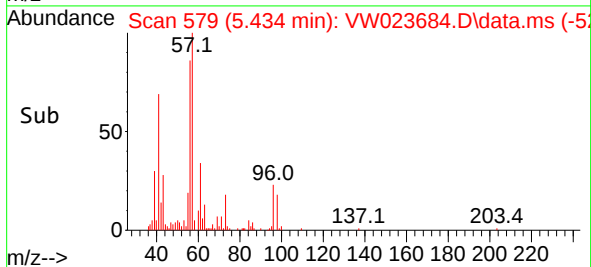
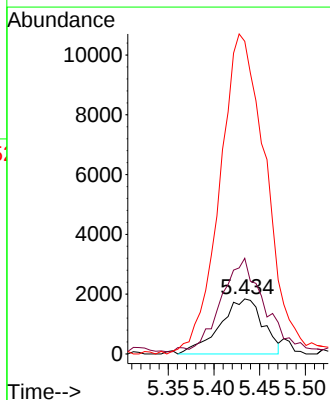
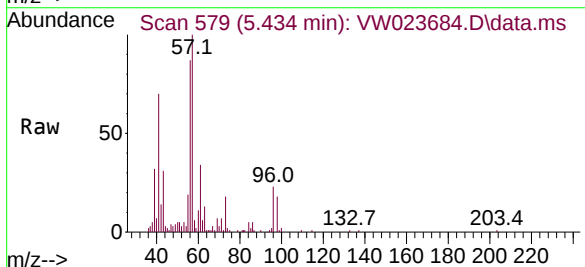
Instrument :  
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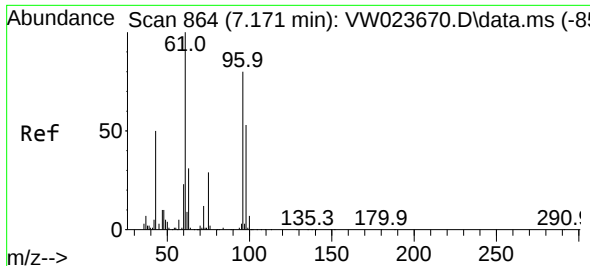
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 124.7 | 90.8  | 168.6 |
| 98      | 72.2  | 42.8  | 79.6  |



#18  
Methyl tert-butyl Ether  
Concen: 1.277 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW023684.D  
Acq: 14 Jul 2022 07:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 159.8 | 17.6  | 26.4# |
| 57      | 616.8 | 16.8  | 25.2# |

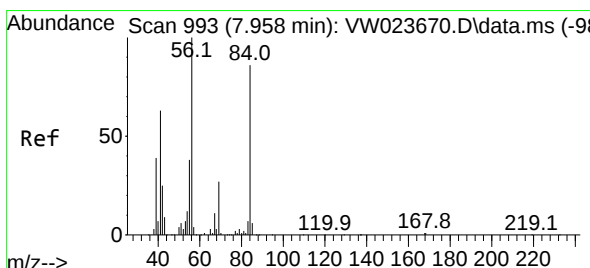
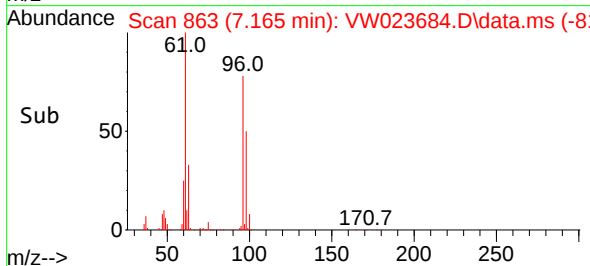
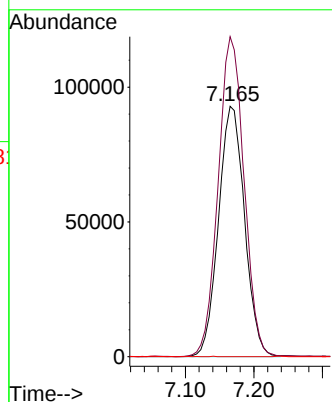
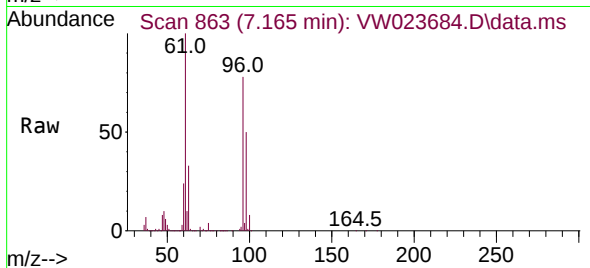




#20  
cis-1,2-Dichloroethene  
Concen: 72.063 ug/L  
RT: 7.165 min Scan# 863  
Delta R.T. -0.006 min  
Lab File: VW023684.D  
Acq: 14 Jul 2022 07:34

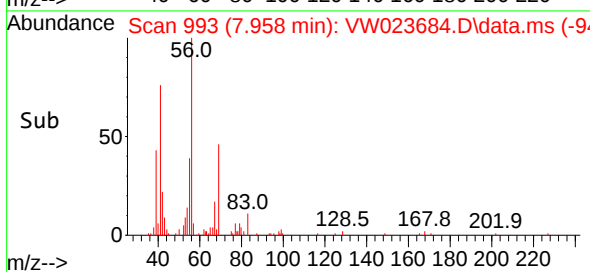
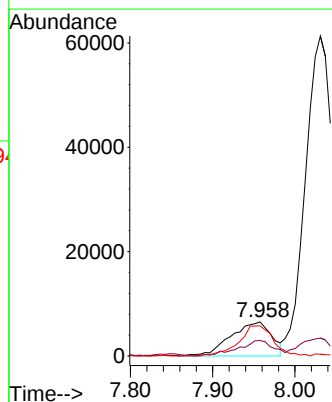
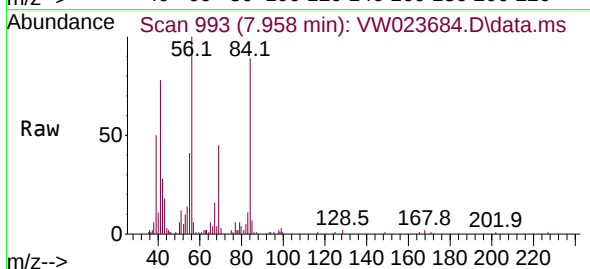
Instrument :  
MSVOA\_W  
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F5B69

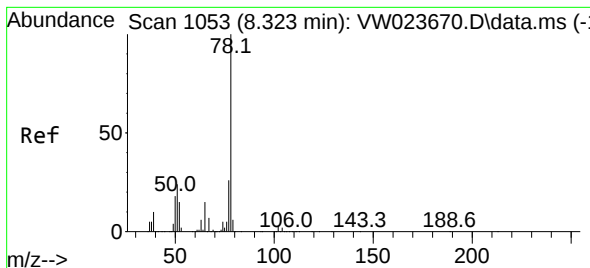
Tgt Ion: 96 Resp: 245218  
Ion Ratio Lower Upper  
96 100  
61 127.8 90.6 168.2  
68 0.0 0.2 0.4#



#29  
Cyclohexane  
Concen: 5.692 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VW023684.D  
Acq: 14 Jul 2022 07:34

Tgt Ion: 56 Resp: 22477  
Ion Ratio Lower Upper  
56 100  
69 24.3 25.4 38.0#  
84 74.4 75.0 112.4#





#33

Benzene

Concen: 4.020 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW023684.D

Acq: 14 Jul 2022 07:34

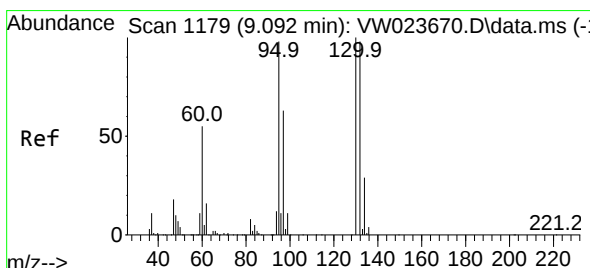
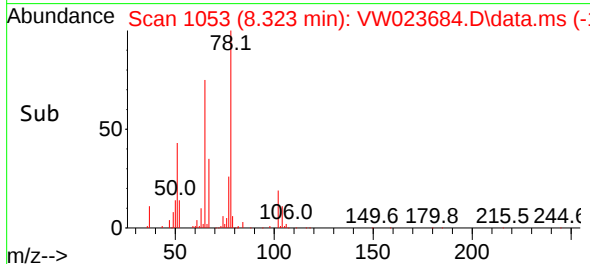
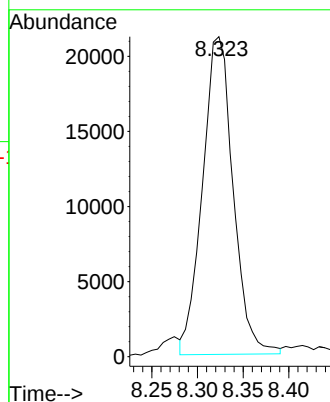
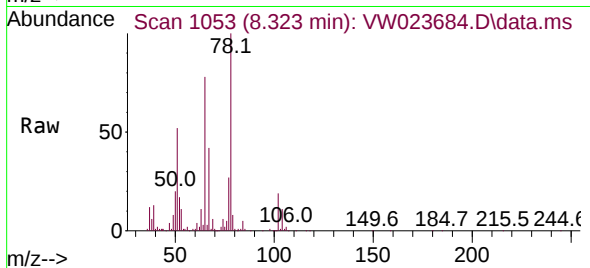
Instrument :

MSVOA\_W

ClientSampleId :

F5B69

Tgt Ion: 78 Resp: 49330



#34

Trichloroethene

Concen: 6.108 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023684.D

Acq: 14 Jul 2022 07:34

Tgt Ion: 95 Resp: 19791

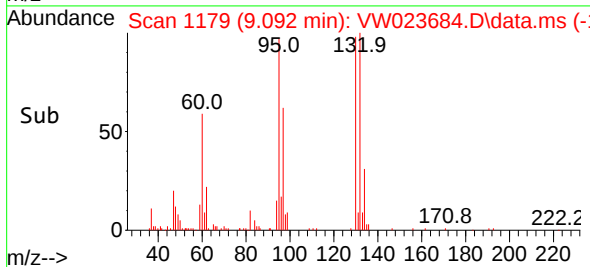
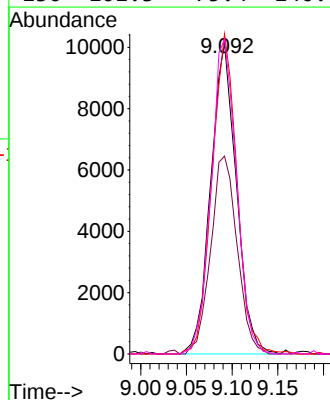
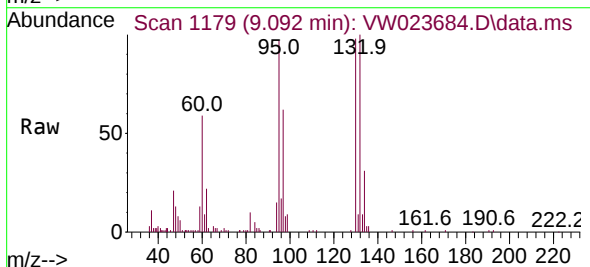
Ion Ratio Lower Upper

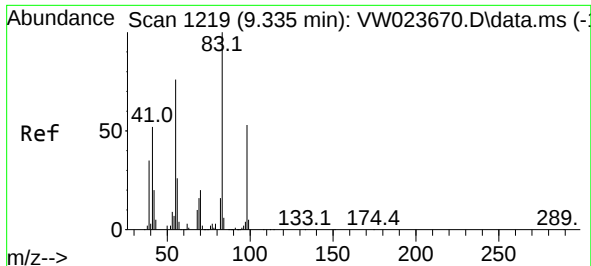
95 100

97 63.7 45.6 84.8

132 103.0 69.9 129.7

130 101.3 75.4 140.0





#35

Methylcyclohexane

Concen: 7.963 ug/L

RT: 9.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023684.D

Acq: 14 Jul 2022 07:34

Instrument :

MSVOA\_W

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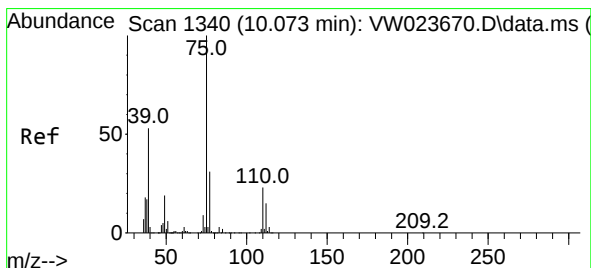
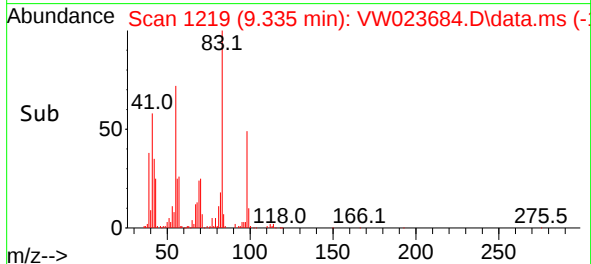
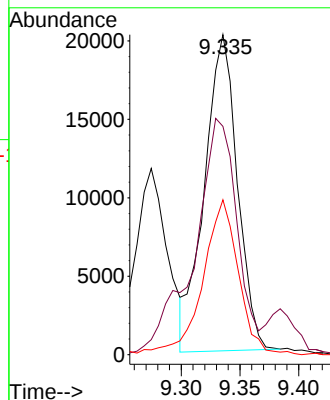
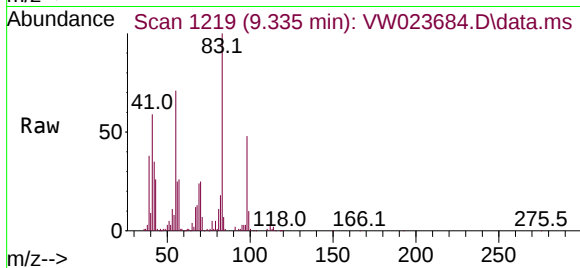
Tgt Ion: 83 Resp: 39288

Ion Ratio Lower Upper

83 100

55 82.5 60.8 91.2

98 52.9 39.5 59.3



#39

cis-1,3-Dichloropropene

Concen: 0.737 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW023684.D

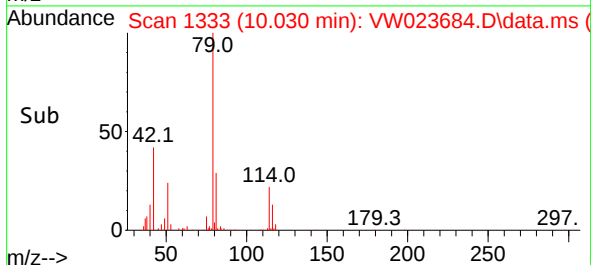
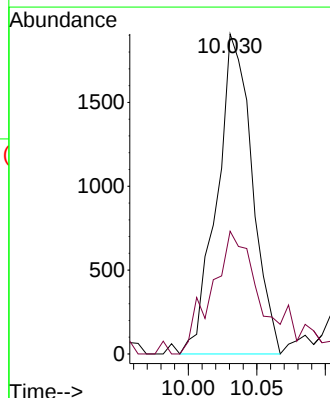
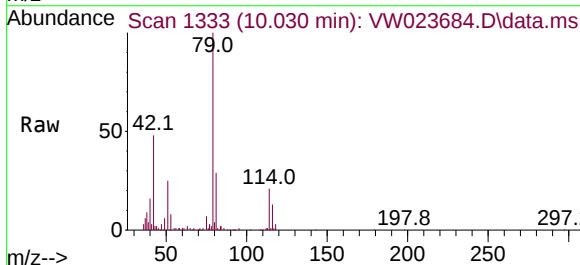
Acq: 14 Jul 2022 07:34

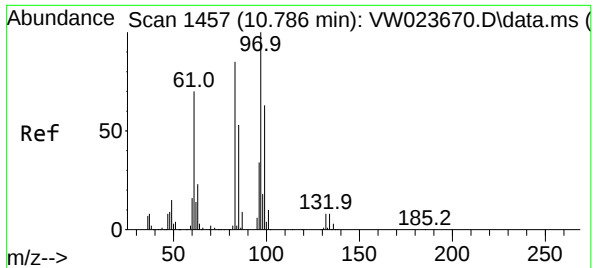
Tgt Ion: 75 Resp: 3418

Ion Ratio Lower Upper

75 100

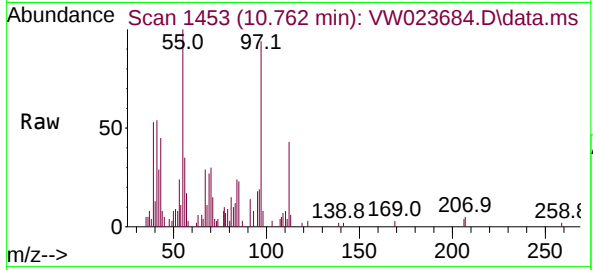
77 38.4 22.5 41.9





#45  
 1,1,2-Trichloroethane  
 Concen: 1.571 ug/L  
 RT: 10.762 min Scan# 1453  
 Delta R.T. -0.024 min  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 4227   |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 0.0   | 44.2  | 82.2#  |
| 83       | 13.2  | 59.8  | 111.0# |
| 85       | 24.2  | 37.5  | 69.6#  |

