

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061923\  
 Data File : VX036207.D  
 Acq On : 19 Jun 2023 15:40  
 Operator : JC/MD  
 Sample : 03238-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PMW-1

Quant Time: Jun 20 03:43:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 16 16:28:40 2023  
 Response via : Initial Calibration

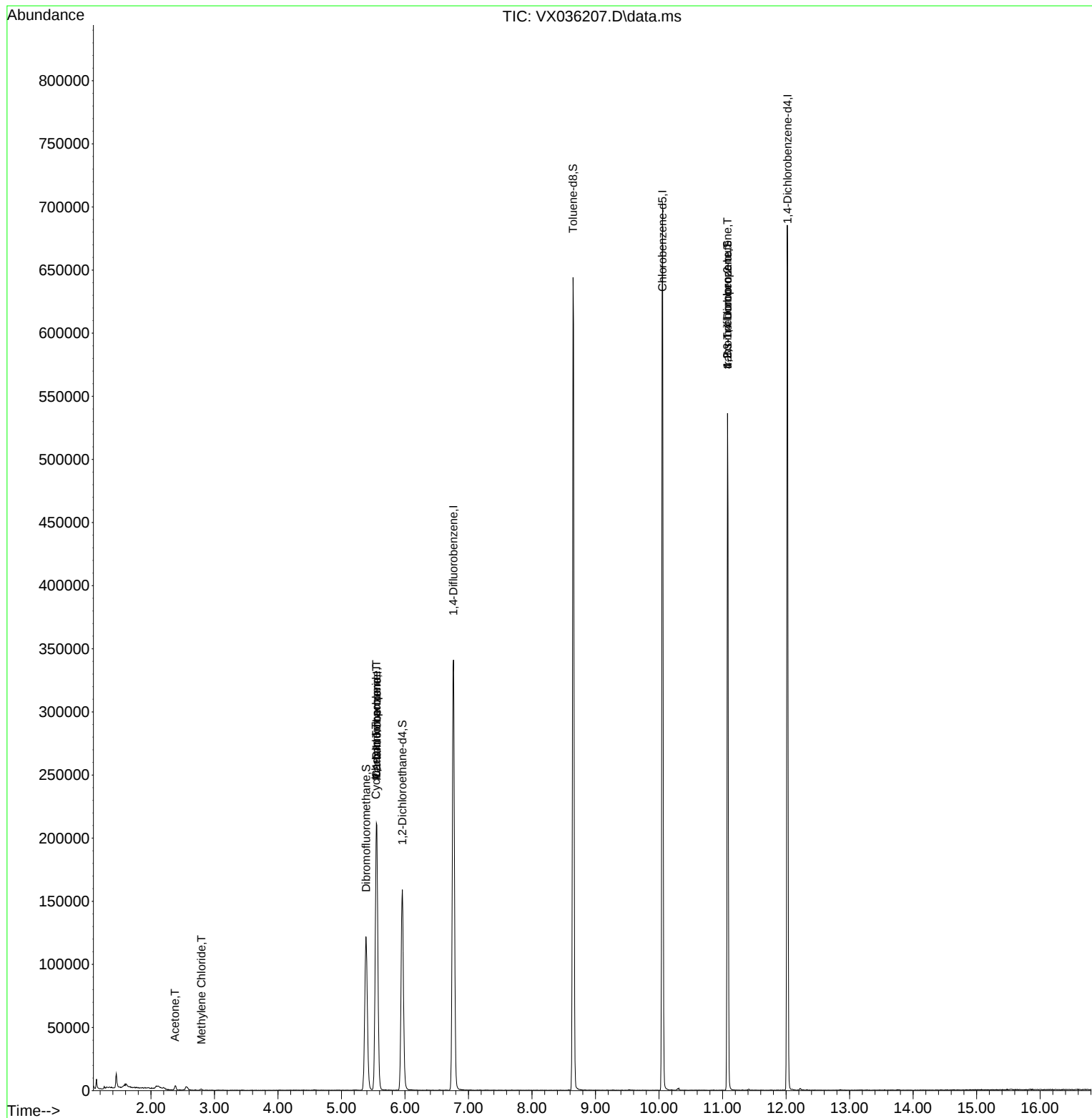
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) Pentafluorobenzene         | 5.556  | 168            | 178201   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114            | 324534   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 292162   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 132521   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65             | 159727   | 49.048 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =      | 98.100%  |          |
| 35) Dibromofluoromethane      | 5.385  | 113            | 104138   | 47.320 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =      | 94.640%  |          |
| 50) Toluene-d8                | 8.647  | 98             | 367871   | 45.698 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =      | 91.400%# |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 143431   | 44.140 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =      | 88.280%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 16) Acetone                   | 2.380  | 43             | 4031     | 2.979  | ug/l     | 91       |
| 20) Methylene Chloride        | 2.794  | 84             | 493      | 0.201  | ug/l #   | 81       |
| 31) Cyclohexane               | 5.544  | 56             | 5160     | 1.477  | ug/l #   | 36       |
| 36) 1,1-Dichloropropene       | 5.550  | 75             | 17141    | 5.288  | ug/l #   | 52       |
| 38) Carbon Tetrachloride      | 5.550  | 117            | 21033    | 6.674  | ug/l #   | 14       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 78137    | 24.844 | ug/l #   | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 78137    | 86.960 | ug/l #   | 5        |
| -----                         |        |                |          |        |          |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 16 16:28:40 2023  
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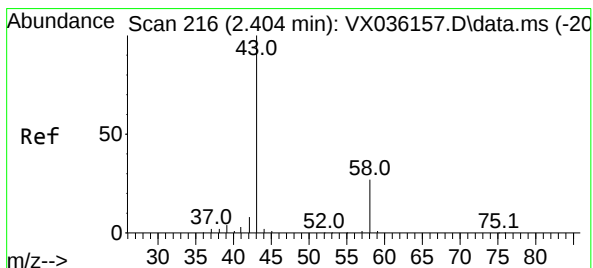
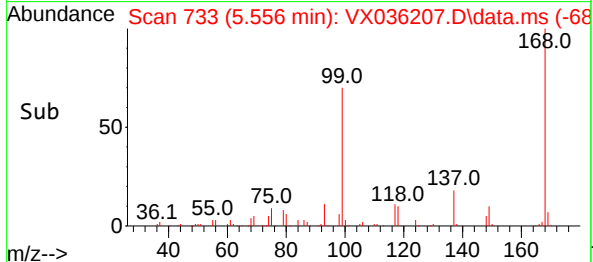
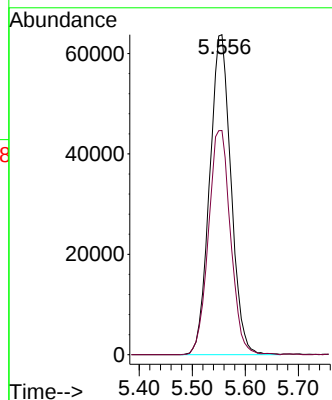
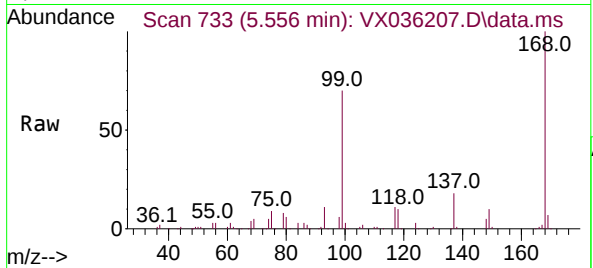




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX036207.D  
Acq: 19 Jun 2023 15:40

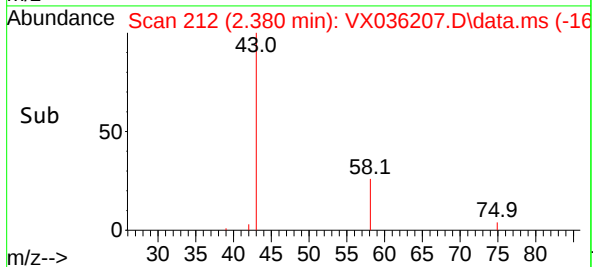
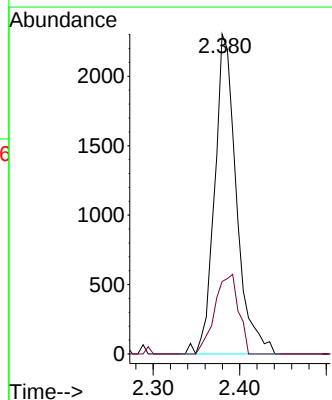
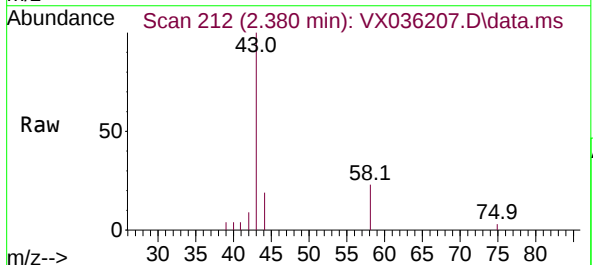
Instrument :  
MSVOA\_X  
ClientSampleId :  
PMW-1

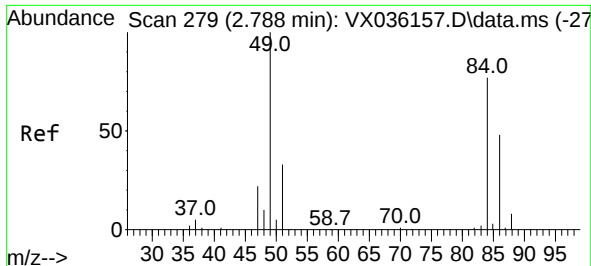
Tgt Ion:168 Resp: 178201  
Ion Ratio Lower Upper  
168 100  
99 70.0 56.6 85.0



#16  
Acetone  
Concen: 2.979 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.024 min  
Lab File: VX036207.D  
Acq: 19 Jun 2023 15:40

Tgt Ion: 43 Resp: 4031  
Ion Ratio Lower Upper  
43 100  
58 22.6 21.9 32.9

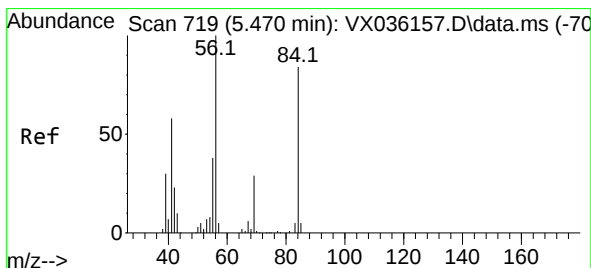
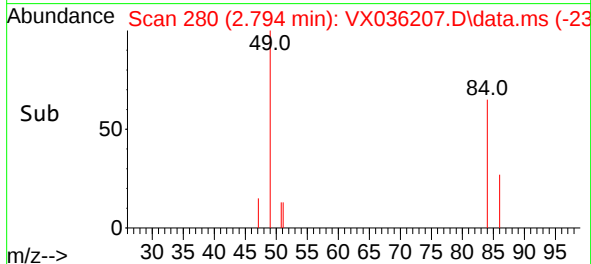
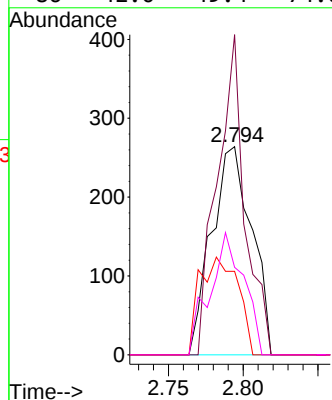
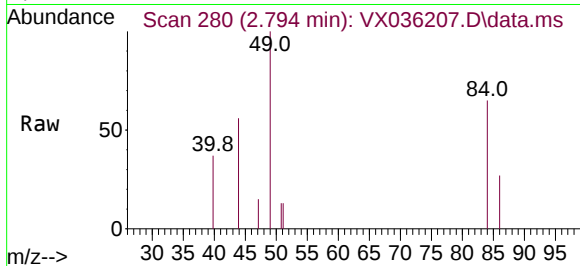




#20  
Methylene Chloride  
Concen: 0.201 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX036207.D  
Acq: 19 Jun 2023 15:40

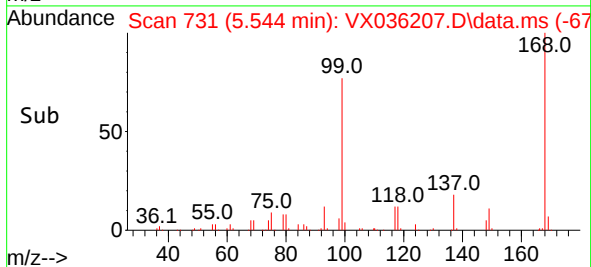
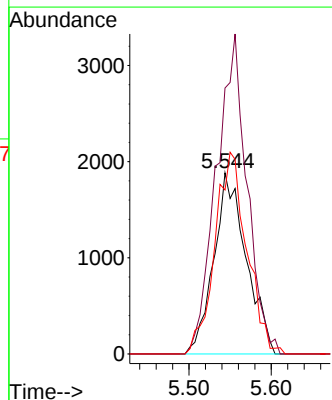
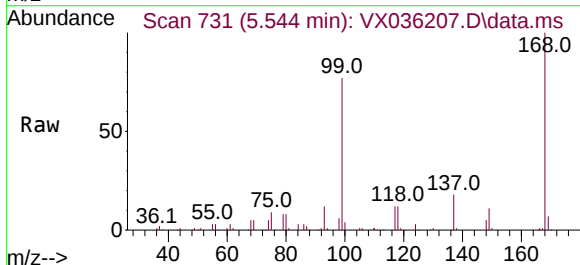
Instrument :  
MSVOA\_X  
ClientSampleId :  
PMW-1

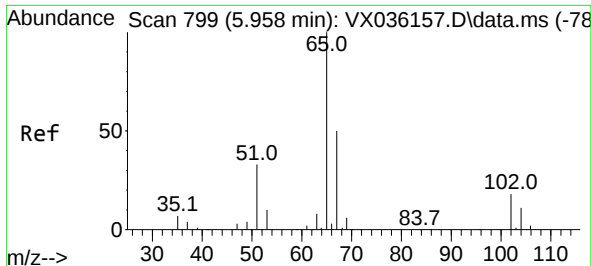
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 493   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 153.8 | 103.6 | 155.4 |
| 51       | 40.2  | 33.8  | 50.6  |
| 86       | 42.0  | 49.4  | 74.0  |



#31  
Cyclohexane  
Concen: 1.477 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.074 min  
Lab File: VX036207.D  
Acq: 19 Jun 2023 15:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 5160  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 146.8 | 23.4  | 35.2  |
| 84       | 90.6  | 65.9  | 98.9  |





#33

1,2-Dichloroethane-d4

Concen: 49.048 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036207.D

Acq: 19 Jun 2023 15:40

Instrument :

MSVOA\_X

ClientSampleId :

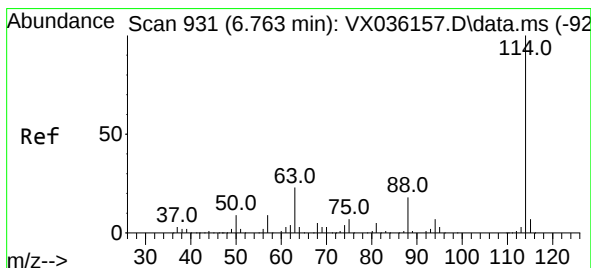
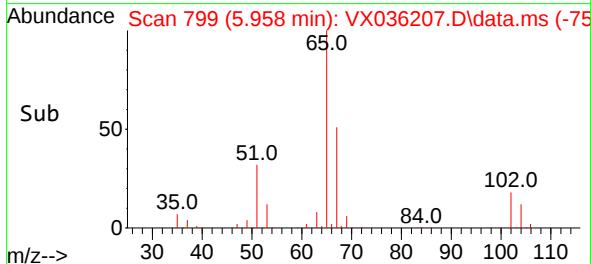
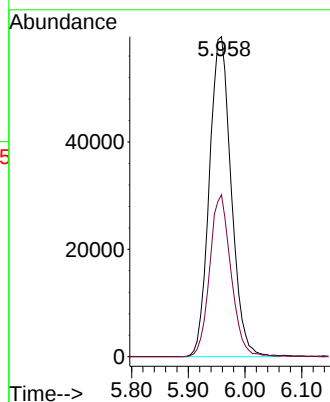
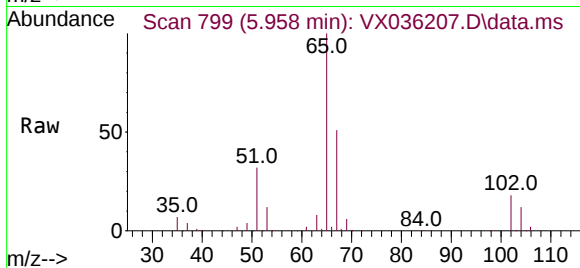
PMW-1

Tgt Ion: 65 Resp: 159727

Ion Ratio Lower Upper

65 100

67 49.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036207.D

Acq: 19 Jun 2023 15:40

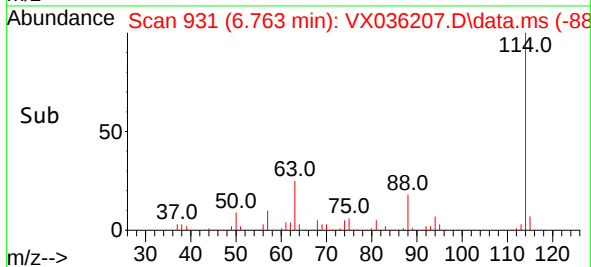
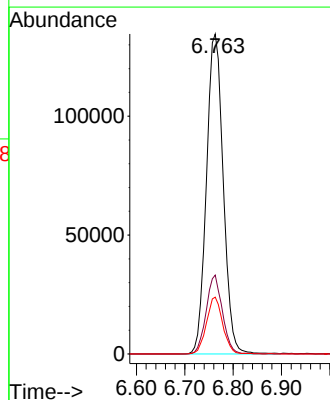
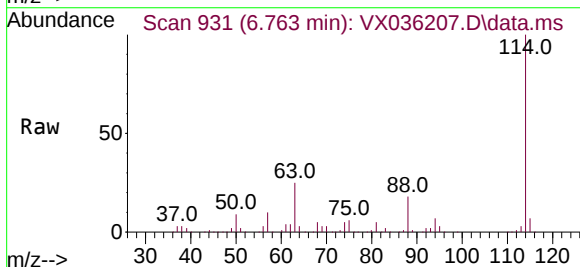
Tgt Ion: 114 Resp: 324534

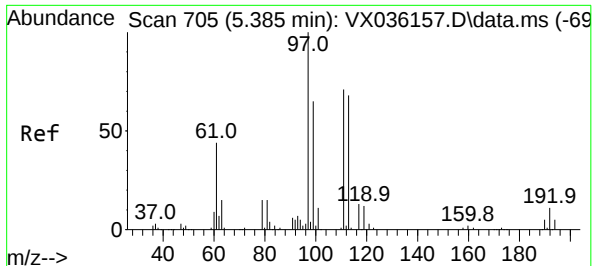
Ion Ratio Lower Upper

114 100

63 24.6 0.0 45.0

88 17.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.320 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036207.D

Acq: 19 Jun 2023 15:40

Instrument :

MSVOA\_X

ClientSampleId :

PMW-1

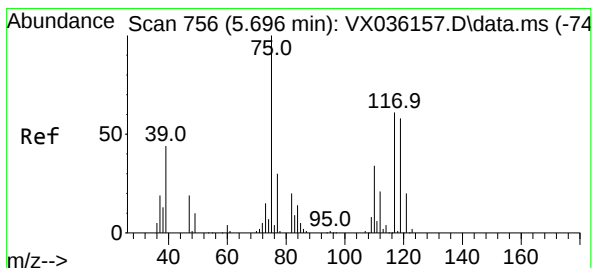
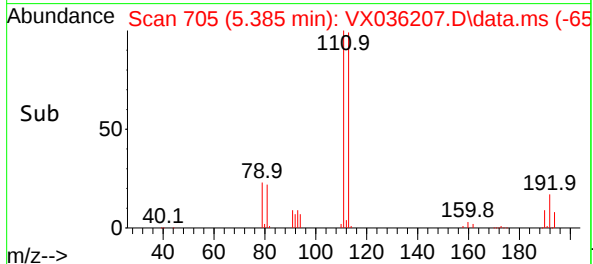
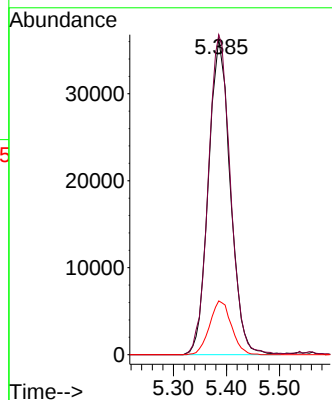
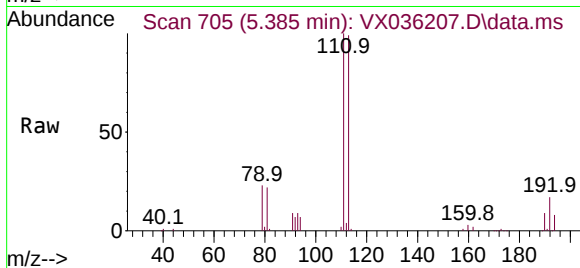
Tgt Ion:113 Resp: 104138

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 16.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.288 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036207.D

Acq: 19 Jun 2023 15:40

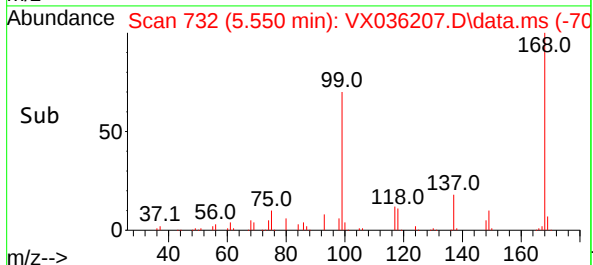
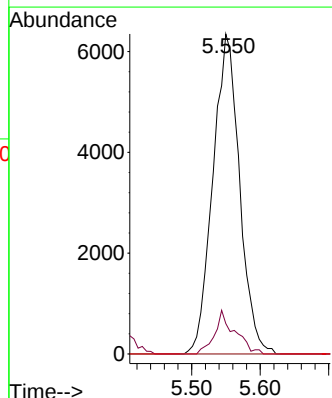
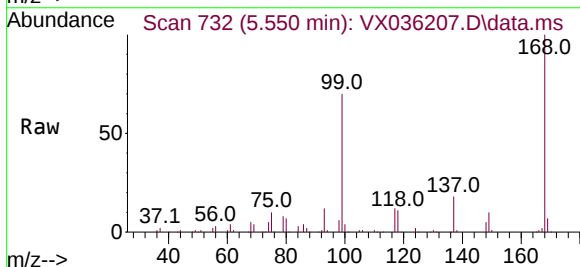
Tgt Ion: 75 Resp: 17141

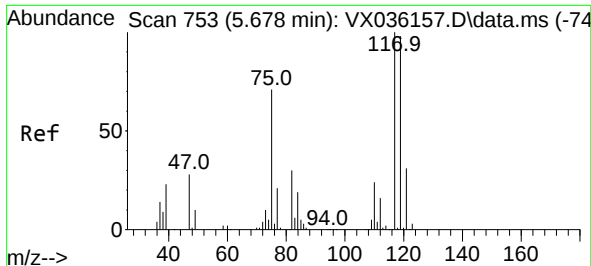
Ion Ratio Lower Upper

75 100

110 10.4 17.0 50.9#

77 0.0 24.7 37.1#

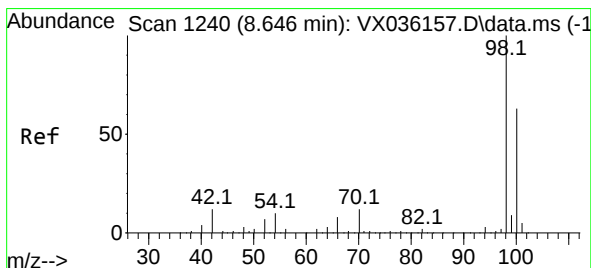
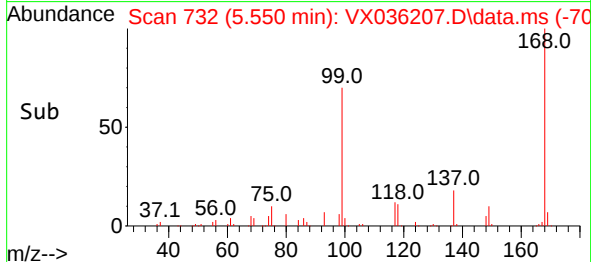
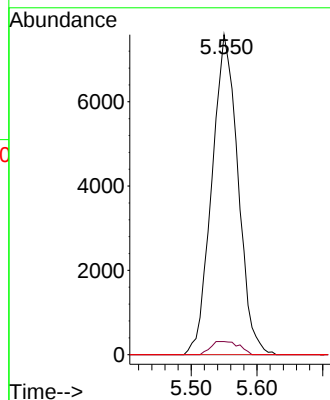
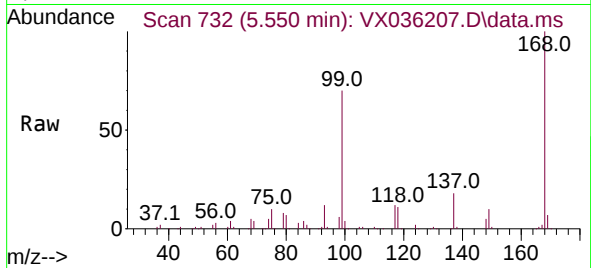




#38  
Carbon Tetrachloride  
Concen: 6.674 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX036207.D  
Acq: 19 Jun 2023 15:40

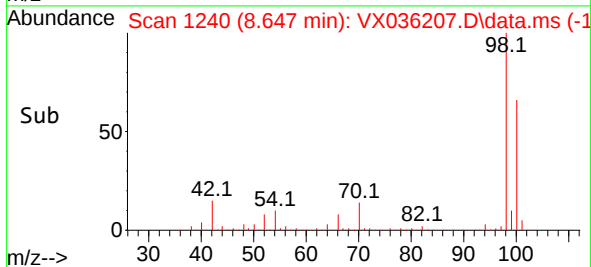
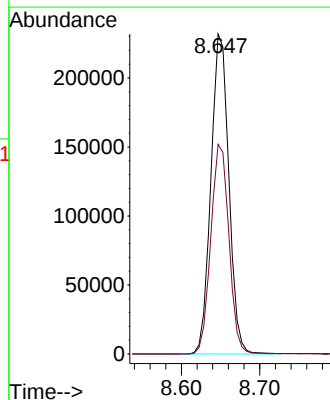
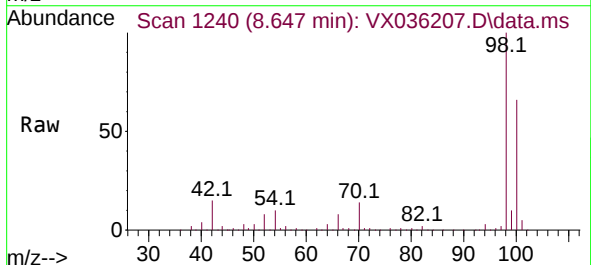
Instrument :  
MSVOA\_X  
ClientSampleId :  
PMW-1

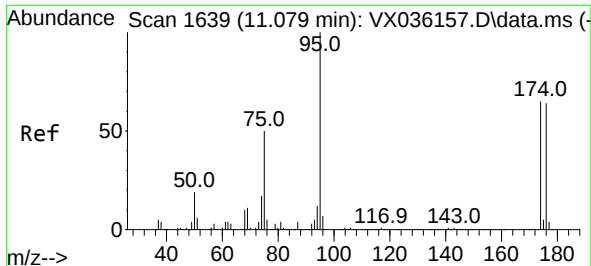
Tgt Ion:117 Resp: 21033  
Ion Ratio Lower Upper  
117 100  
119 4.1 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 45.698 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX036207.D  
Acq: 19 Jun 2023 15:40

Tgt Ion: 98 Resp: 367871  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 44.140 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036207.D

Acq: 19 Jun 2023 15:40

Instrument :

MSVOA\_X

ClientSampleId :

PMW-1

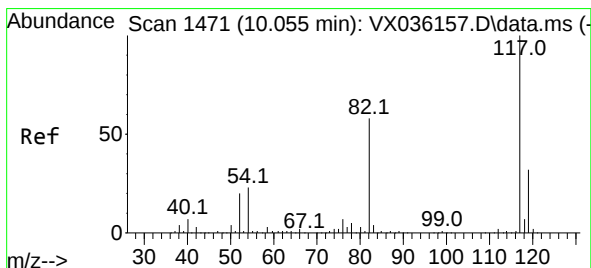
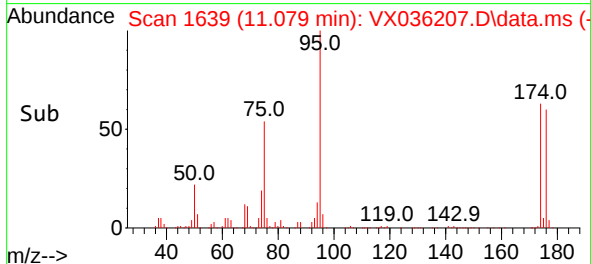
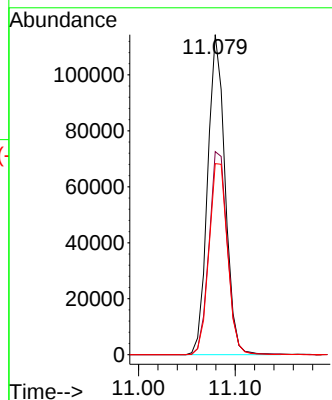
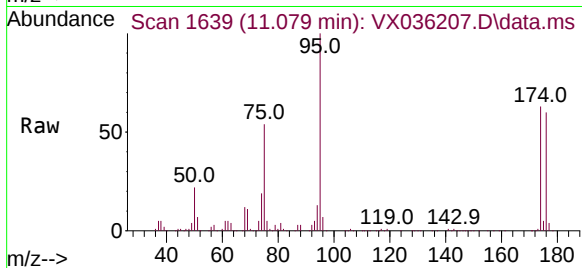
Tgt Ion: 95 Resp: 143431

Ion Ratio Lower Upper

95 100

174 66.8 0.0 135.6

176 63.6 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036207.D

Acq: 19 Jun 2023 15:40

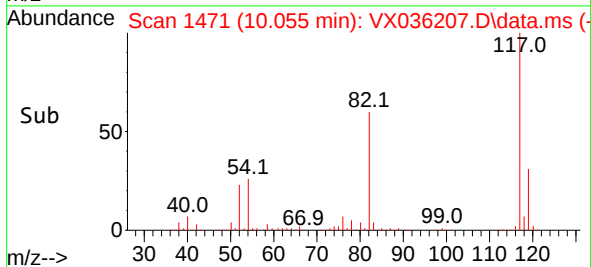
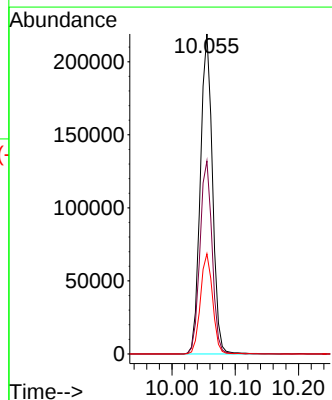
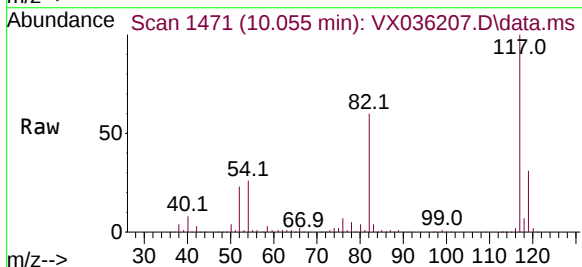
Tgt Ion: 117 Resp: 292162

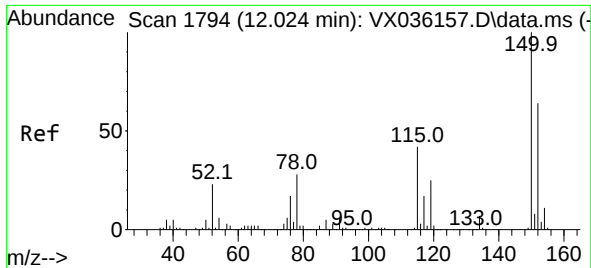
Ion Ratio Lower Upper

117 100

82 60.3 46.2 69.4

119 31.3 25.5 38.3

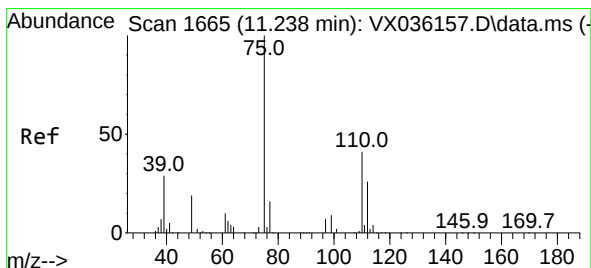
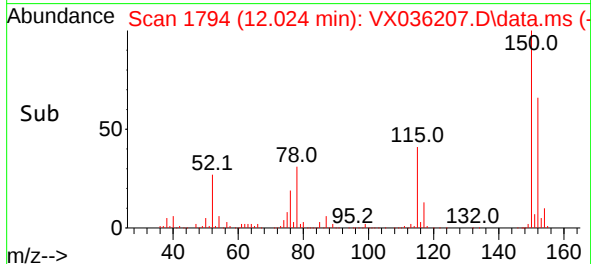
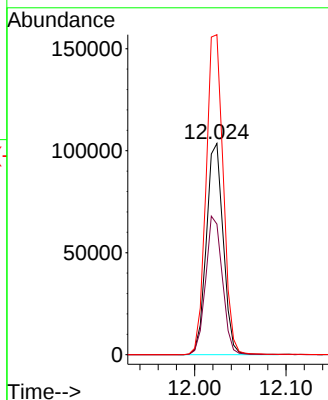
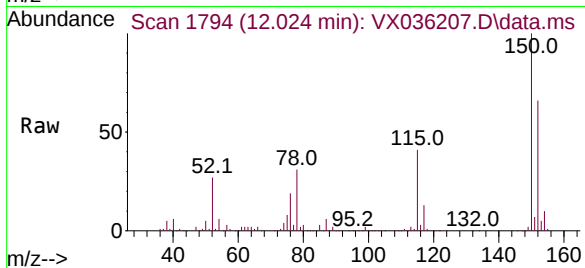




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VX036207.D  
 Acq: 19 Jun 2023 15:40

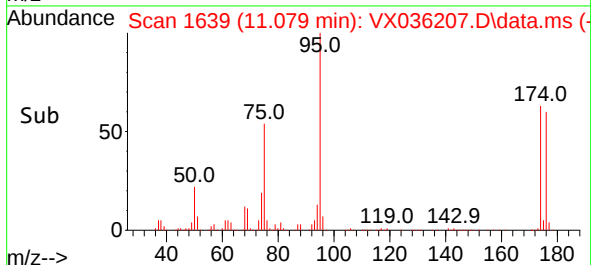
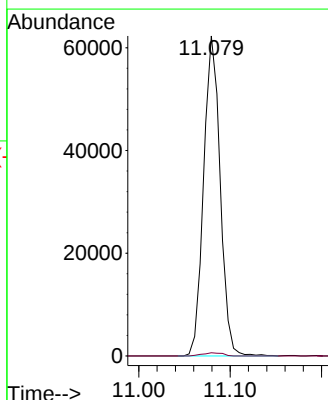
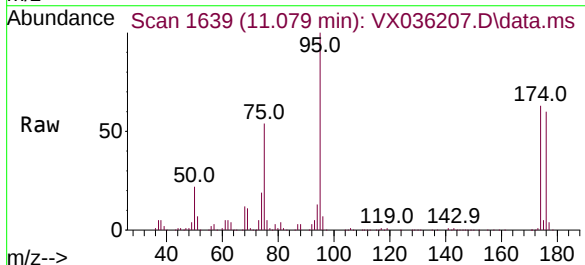
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PMW-1

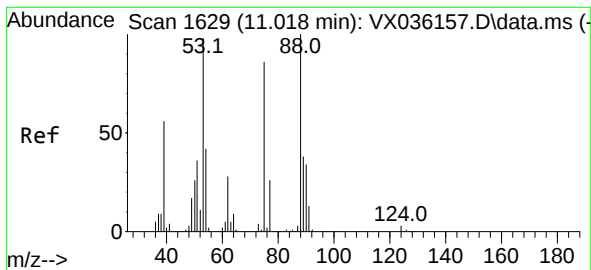
Tgt Ion:152 Resp: 132521  
 Ion Ratio Lower Upper  
 152 100  
 115 65.0 43.3 129.9  
 150 154.9 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.844 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX036207.D  
 Acq: 19 Jun 2023 15:40

Tgt Ion: 75 Resp: 78137  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.960 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX036207.D  
 Acq: 19 Jun 2023 15:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PMW-1

Tgt Ion: 75 Resp: 78137  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

