

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040225\  
 Data File : VX045547.D  
 Acq On : 02 Apr 2025 15:18  
 Operator : JC/MD  
 Sample : Q1697-01 400X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19B-72-040125

Quant Time: Apr 03 07:27:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

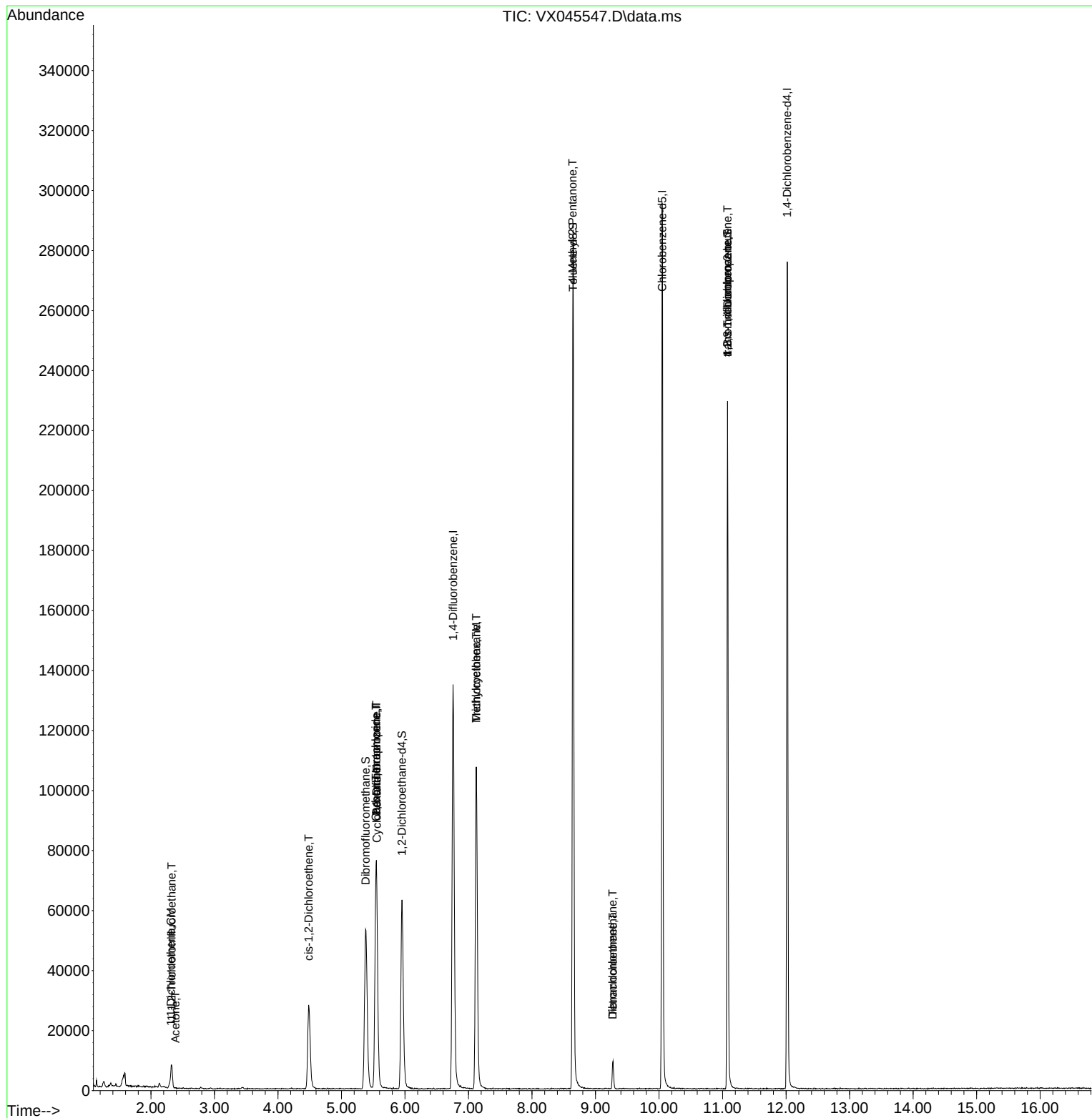
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 66386    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757     | 114   | 128676   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049    | 117   | 120233   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018    | 152   | 50010    | 50.000   | ug/l       | 0.00     |
|                               |           |       |          |          |            |          |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 63178    | 52.040   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | = 104.080% |          |
| 35) Dibromofluoromethane      | 5.379     | 113   | 46895    | 51.366   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 102.740% |          |
| 50) Toluene-d8                | 8.647     | 98    | 161728   | 50.753   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | = 101.500% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 58223    | 50.161   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery | = 100.320% |          |
|                               |           |       |          |          |            |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.325     | 101   | 3099     | 3.800    | ug/l       | 96       |
| 12) 1,1-Dichloroethene        | 2.313     | 96    | 185      | 0.232    | ug/l #     | 67       |
| 16) Acetone                   | 2.386     | 43    | 269      | 0.540    | ug/l #     | 47       |
| 27) cis-1,2-Dichloroethene    | 4.483     | 96    | 16930    | 17.067   | ug/l       | 91       |
| 31) Cyclohexane               | 5.556     | 56    | 1952     | 1.311    | ug/l #     | 53       |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 6404     | 5.195    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.544     | 117   | 7455     | 5.596    | ug/l #     | 16       |
| 39) Methylcyclohexane         | 7.123     | 83    | 559      | 0.370    | ug/l #     | 1        |
| 44) Trichloroethene           | 7.123     | 130   | 39024    | 43.611   | ug/l       | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.641     | 43    | 930      | 0.596    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.269     | 129   | 1901     | 1.921    | ug/l #     | 10       |
| 64) Tetrachloroethene         | 9.275     | 164   | 1750     | 2.062    | ug/l #     | 79       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 35024    | 28.711   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 35024    | 97.443   | ug/l #     | 1        |
| -----                         |           |       |          |          |            |          |

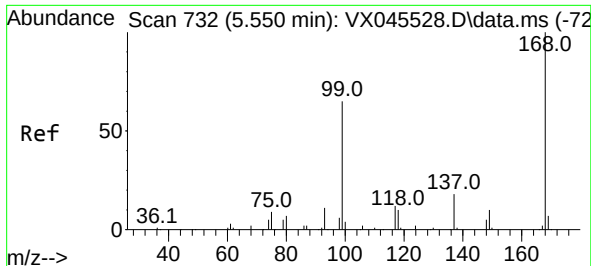
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040225\  
Data File : VX045547.D  
Acq On : 02 Apr 2025 15:18  
Operator : JC/MD  
Sample : Q1697-01 400X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

Quant Time: Apr 03 07:27:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration

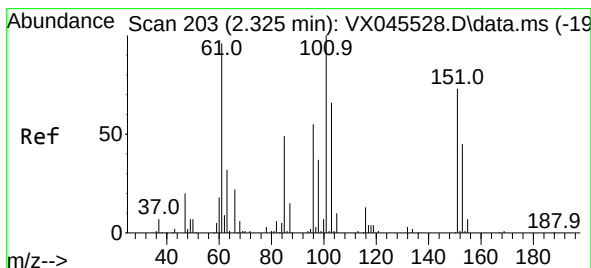
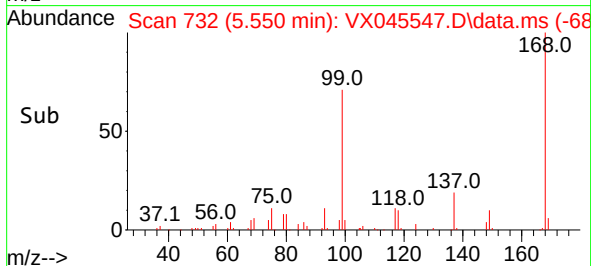
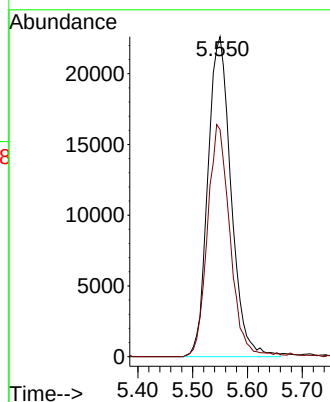
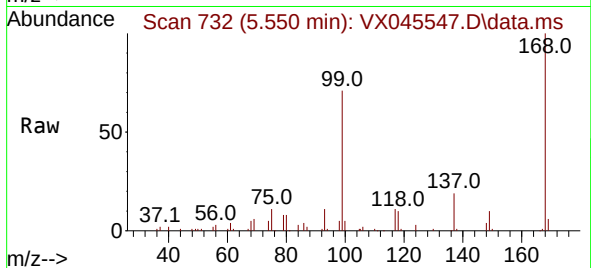




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

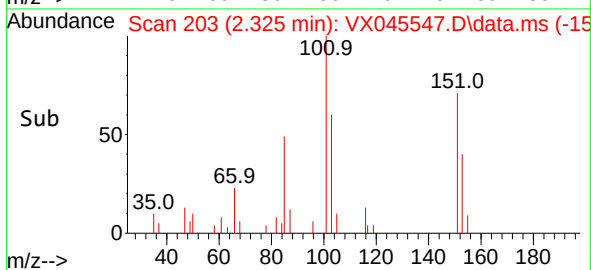
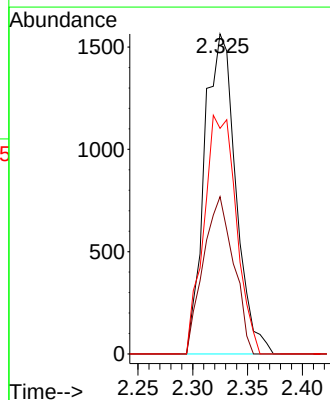
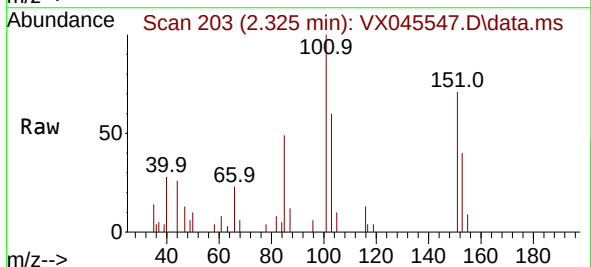
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

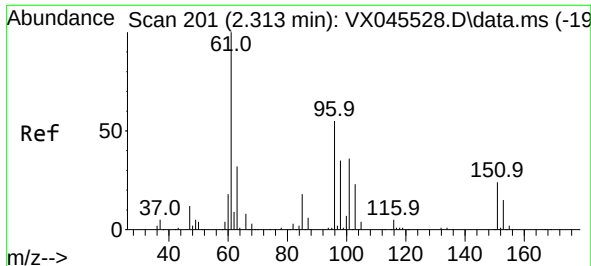
Tgt Ion:168 Resp: 66386  
Ion Ratio Lower Upper  
168 100  
99 71.0 52.3 78.5



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.800 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Tgt Ion:101 Resp: 3099  
Ion Ratio Lower Upper  
101 100  
85 47.8 38.9 58.3  
151 77.3 57.5 86.3





#12

1,1-Dichloroethene

Concen: 0.232 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX045547.D

Acq: 02 Apr 2025 15:18

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-72-040125

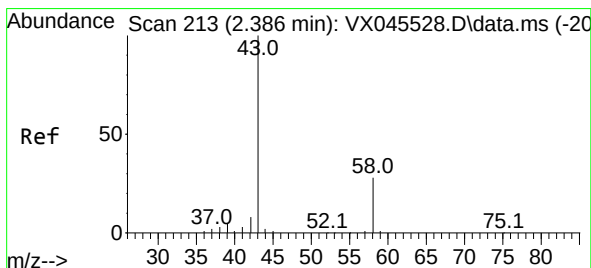
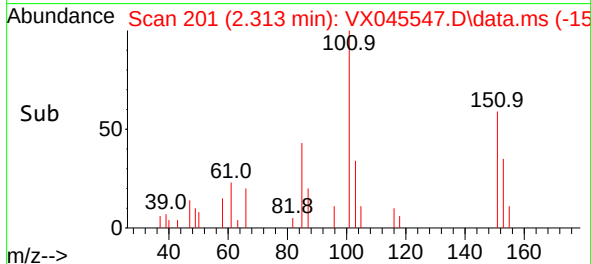
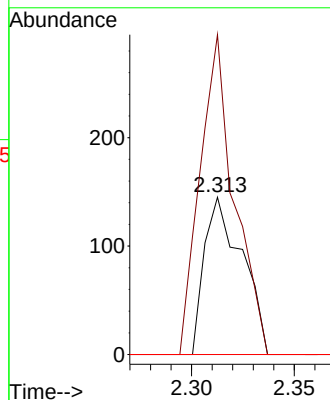
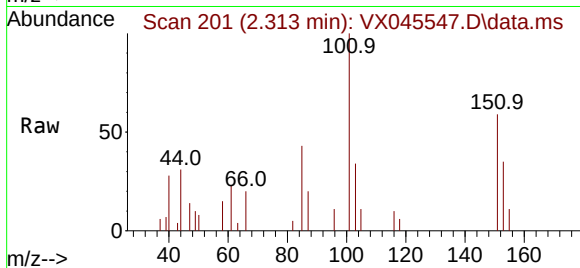
Tgt Ion: 96 Resp: 185

Ion Ratio Lower Upper

96 100

61 203.4 145.7 218.5

98 0.0 51.6 77.4#



#16

Acetone

Concen: 0.540 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045547.D

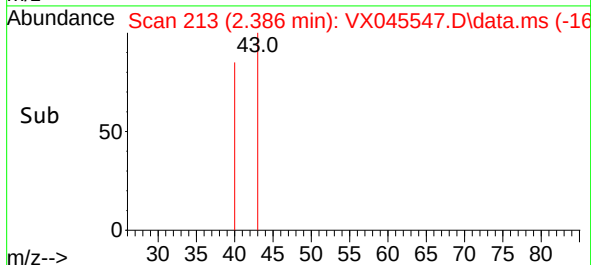
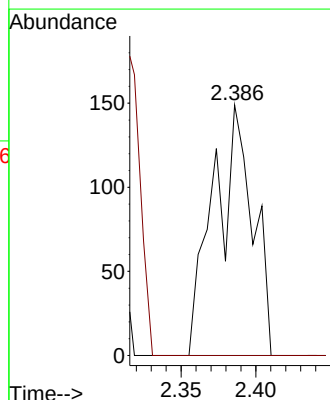
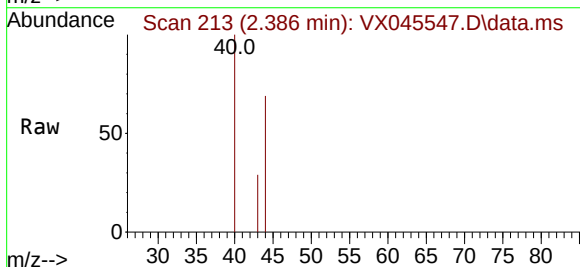
Acq: 02 Apr 2025 15:18

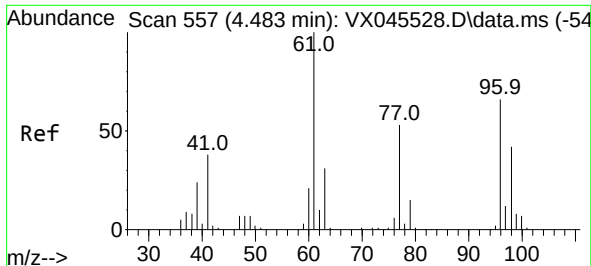
Tgt Ion: 43 Resp: 269

Ion Ratio Lower Upper

43 100

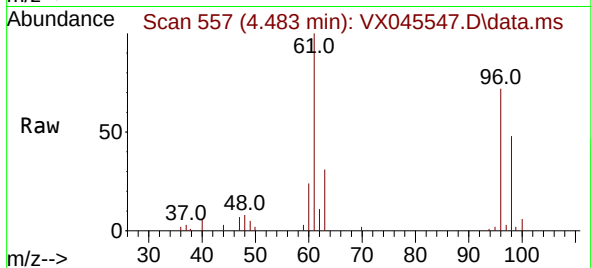
58 0.0 22.3 33.5#



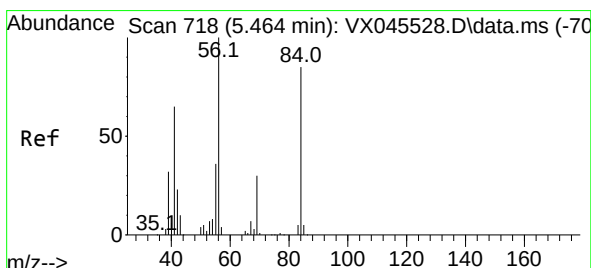
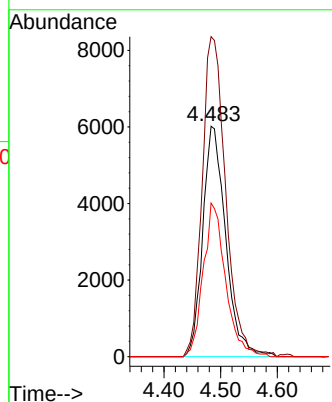
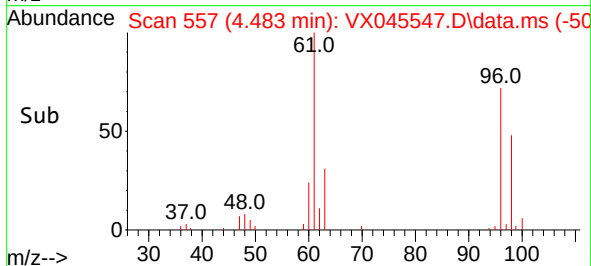


#27  
 cis-1,2-Dichloroethene  
 Concen: 17.067 ug/l  
 RT: 4.483 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VX045547.D  
 Acq: 02 Apr 2025 15:18

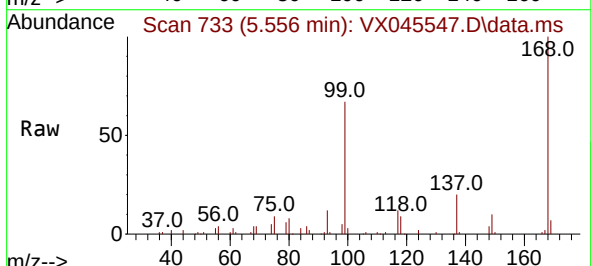
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19B-72-040125



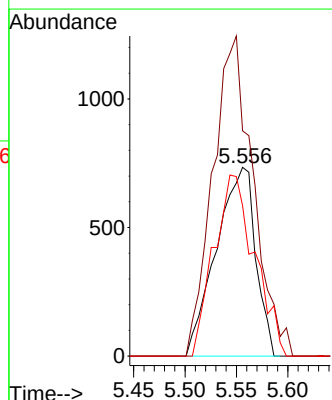
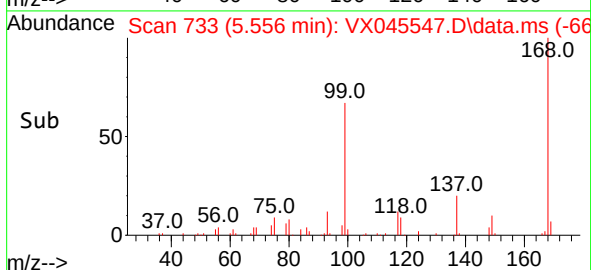
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 16930 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 142.1 | 0.0   | 313.2 |
| 98       | 64.9  | 0.0   | 126.4 |

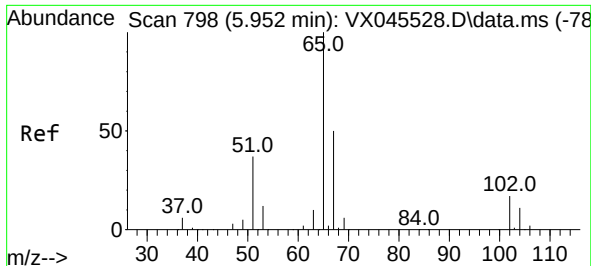


#31  
 Cyclohexane  
 Concen: 1.311 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. 0.092 min  
 Lab File: VX045547.D  
 Acq: 02 Apr 2025 15:18



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1952  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 119.3 | 23.6  | 35.4# |
| 84       | 79.7  | 67.7  | 101.5 |





#33

1,2-Dichloroethane-d4

Concen: 52.040 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045547.D

Acq: 02 Apr 2025 15:18

Instrument :

MSVOA\_X

ClientSampleId :

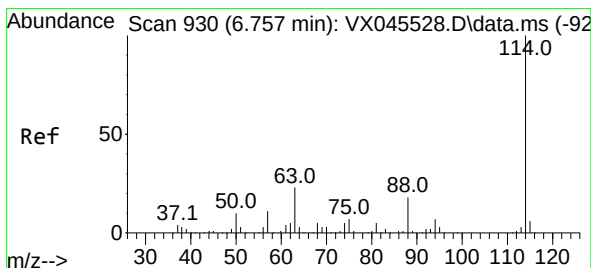
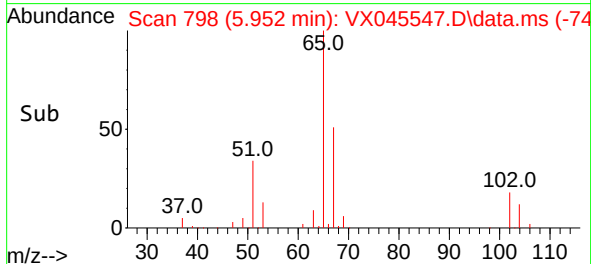
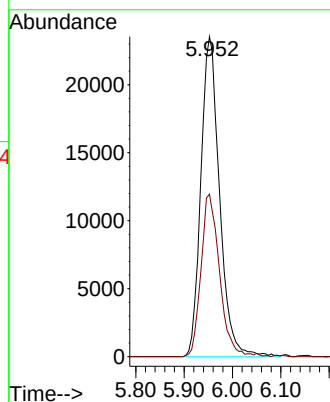
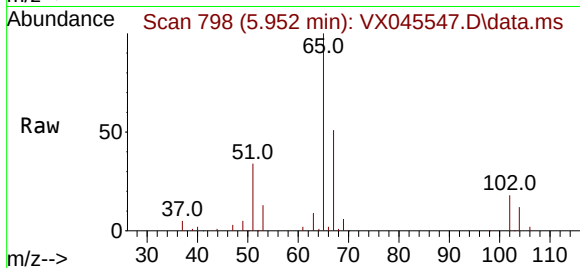
MW-19B-72-040125

Tgt Ion: 65 Resp: 63178

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045547.D

Acq: 02 Apr 2025 15:18

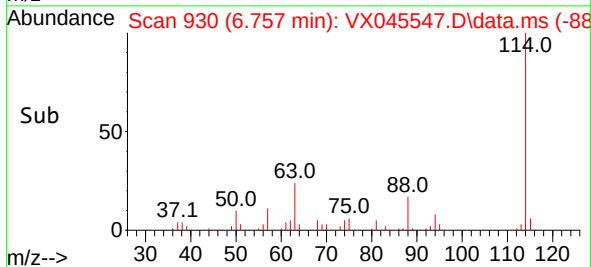
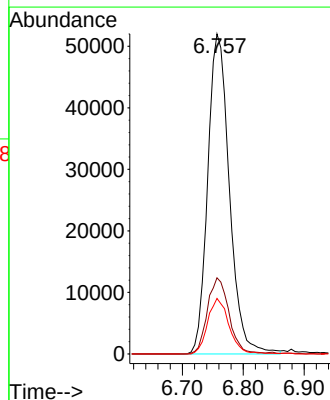
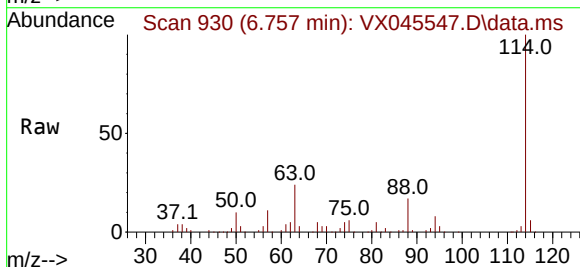
Tgt Ion: 114 Resp: 128676

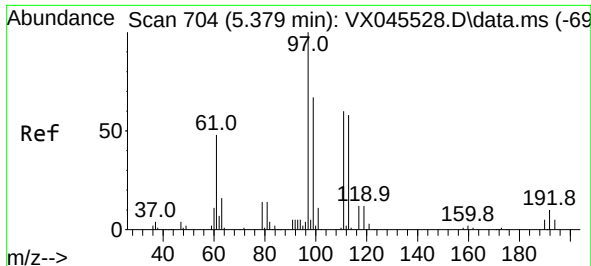
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.8

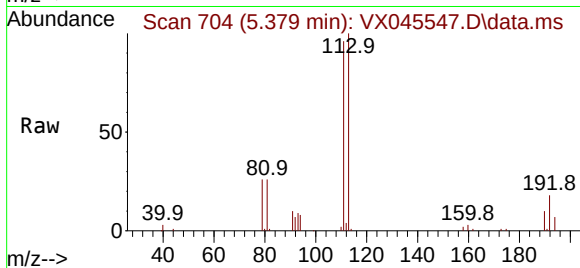
88 17.3 0.0 35.4



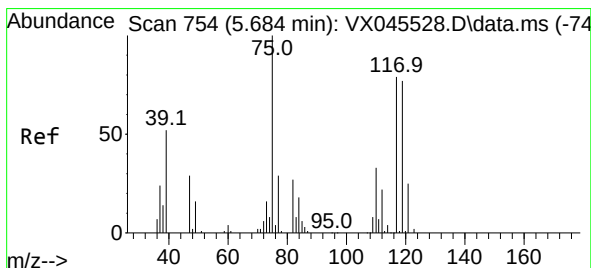
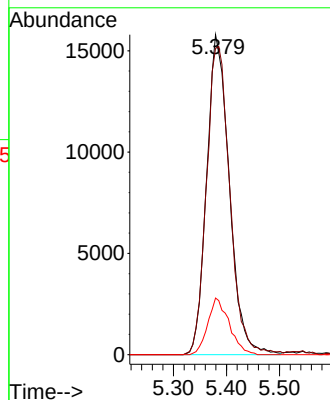
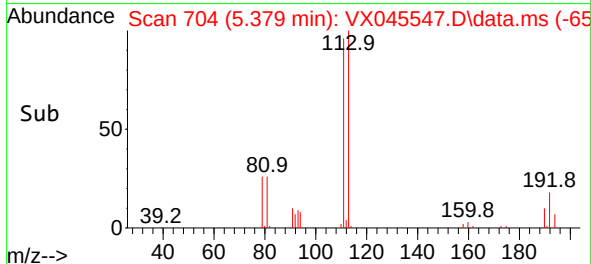


#35  
Dibromofluoromethane  
Concen: 51.366 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

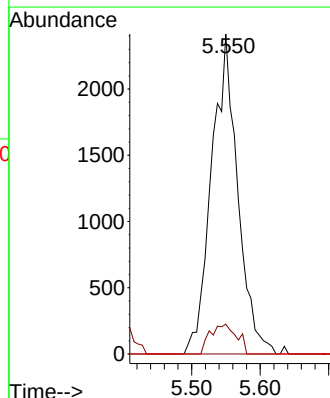
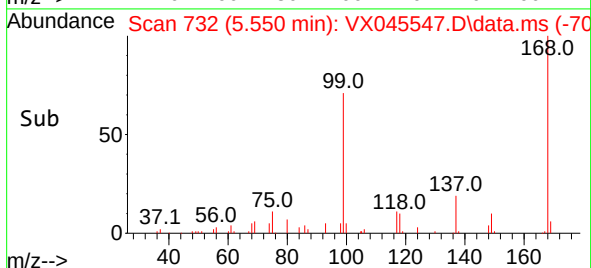
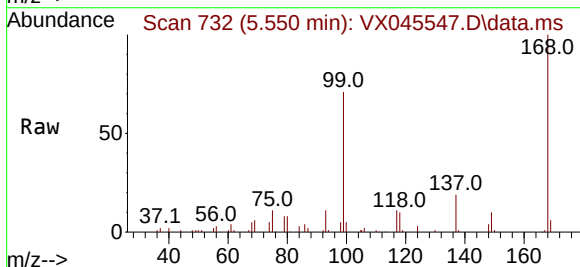


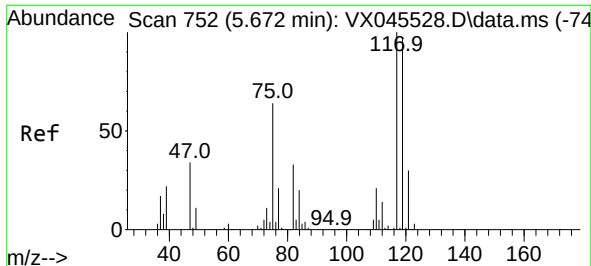
Tgt Ion:113 Resp: 46895  
Ion Ratio Lower Upper  
113 100  
111 99.7 81.8 122.6  
192 16.8 13.8 20.6



#36  
1,1-Dichloropropene  
Concen: 5.195 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.134 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

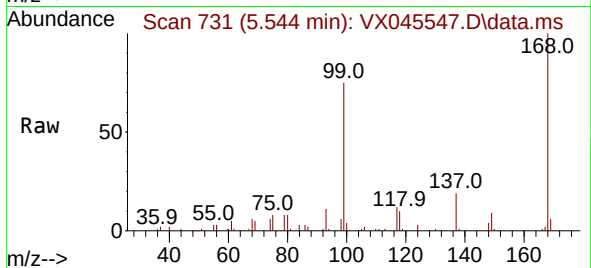
Tgt Ion: 75 Resp: 6404  
Ion Ratio Lower Upper  
75 100  
110 9.4 16.9 50.6#  
77 0.0 25.0 37.4#



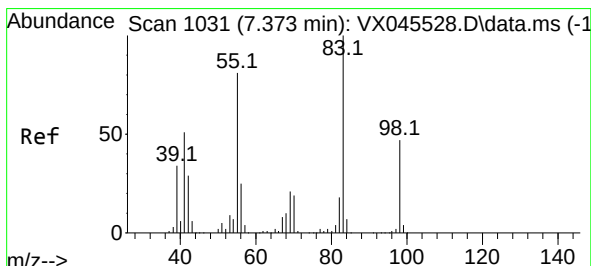
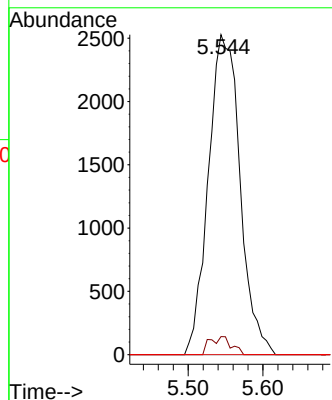
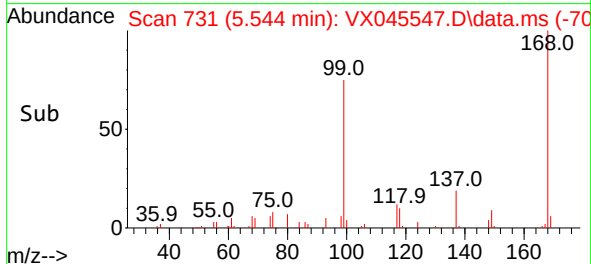


#38  
Carbon Tetrachloride  
Concen: 5.596 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

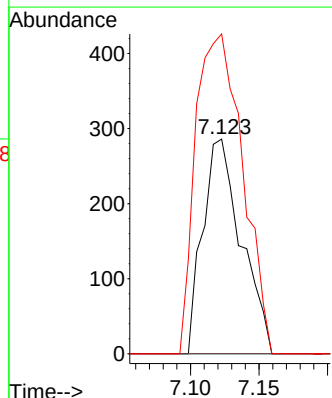
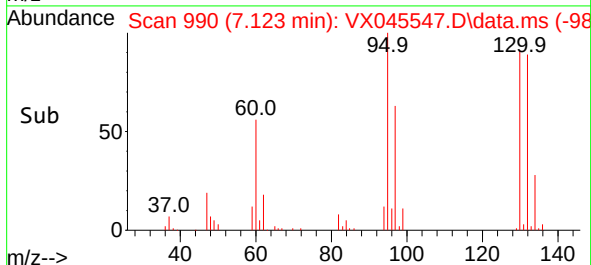
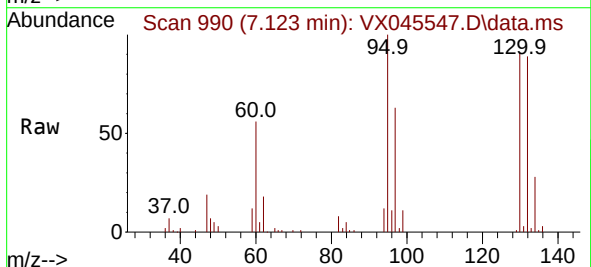


Tgt Ion:117 Resp: 7455  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.9 115.3#  
121 0.0 24.2 36.2#

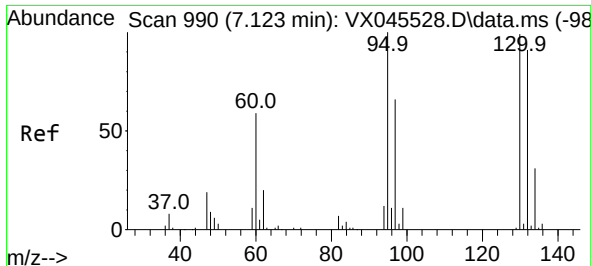


#39  
Methylcyclohexane  
Concen: 0.370 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.250 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Tgt Ion: 83 Resp: 559  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.9 97.3#  
98 149.0 37.4 56.0#



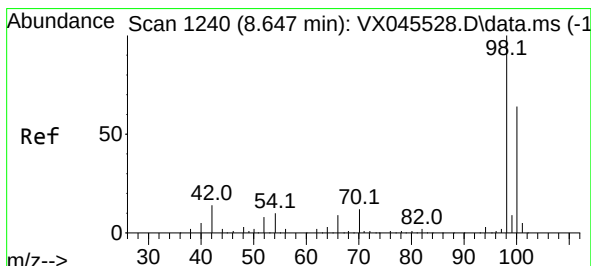
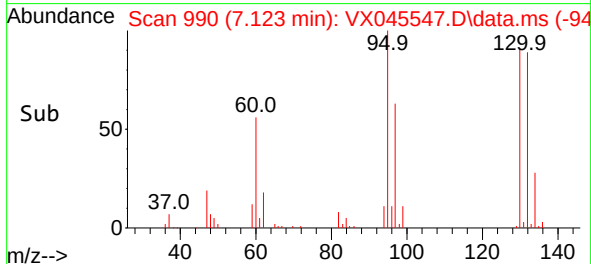
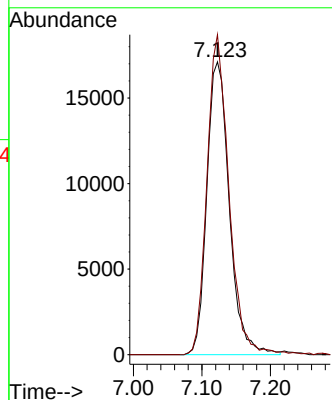
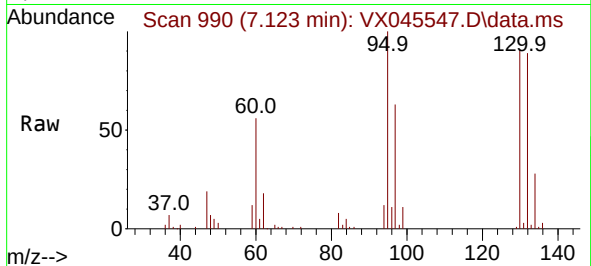




#44  
Trichloroethene  
Concen: 43.611 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

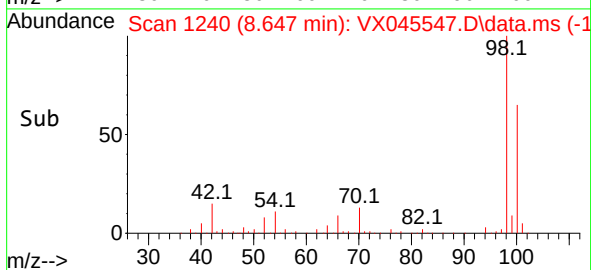
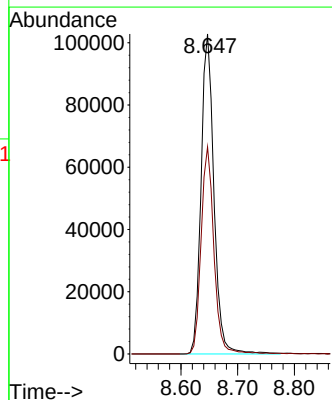
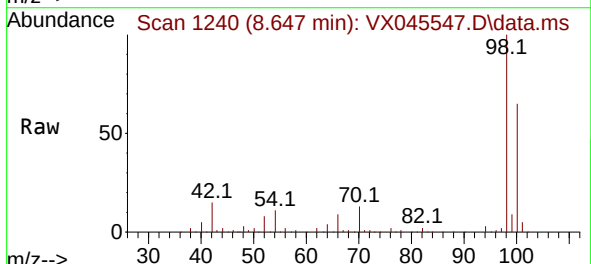
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

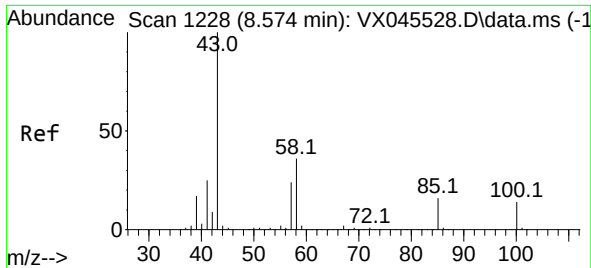
Tgt Ion:130 Resp: 39024  
Ion Ratio Lower Upper  
130 100  
95 109.3 0.0 202.0



#50  
Toluene-d8  
Concen: 50.753 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Tgt Ion: 98 Resp: 161728  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.2 78.4

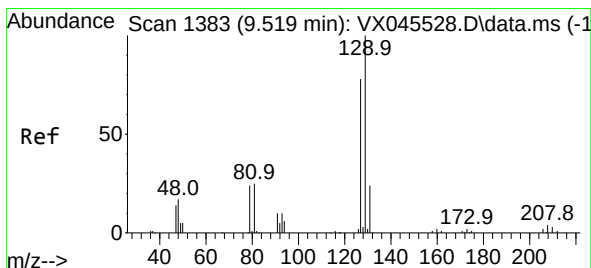
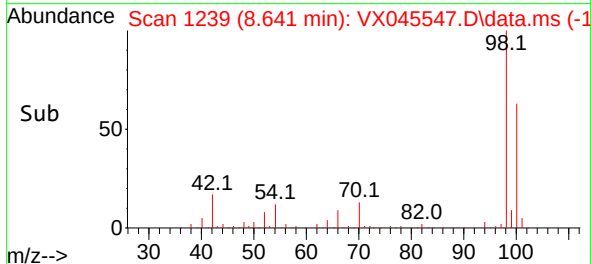
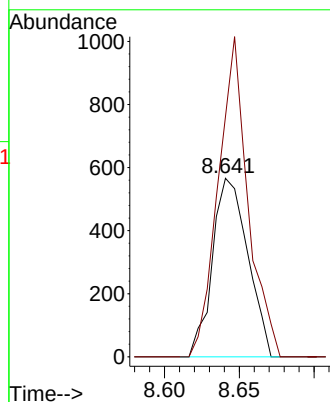
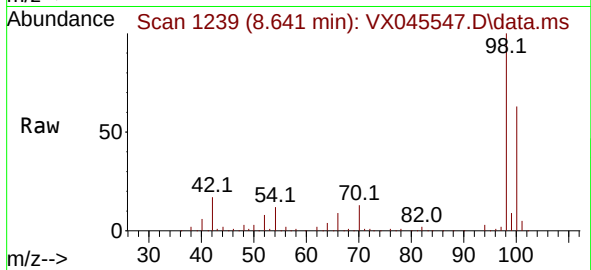




#51  
4-Methyl-2-Pentanone  
Concen: 0.596 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

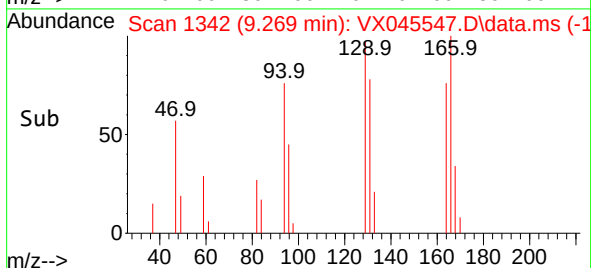
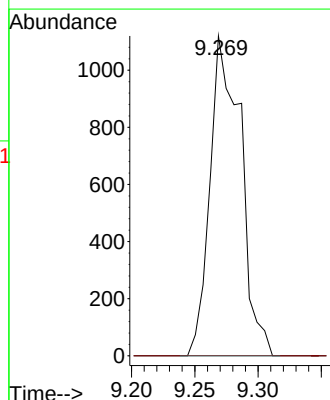
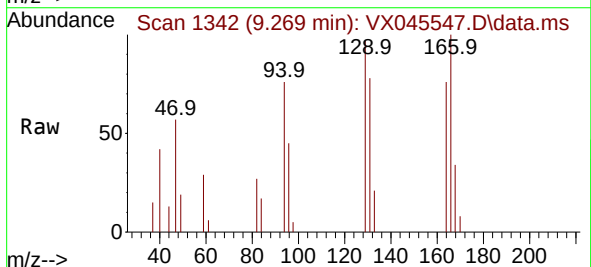
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

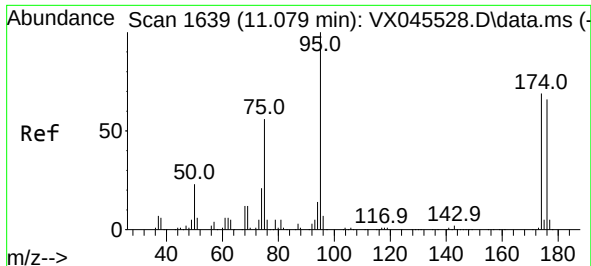
Tgt Ion: 43 Resp: 930  
Ion Ratio Lower Upper  
43 100  
58 150.9 28.5 42.7#



#60  
Dibromochloromethane  
Concen: 1.921 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.250 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Tgt Ion: 129 Resp: 1901  
Ion Ratio Lower Upper  
129 100  
127 0.0 39.4 118.2#

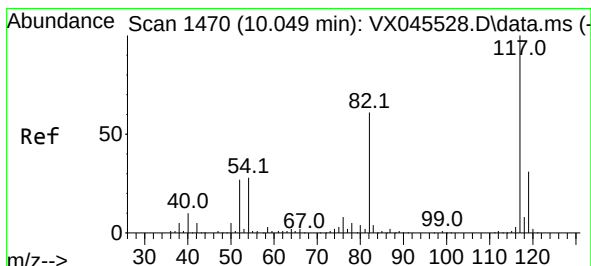
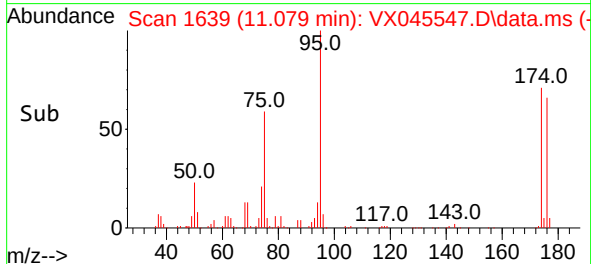
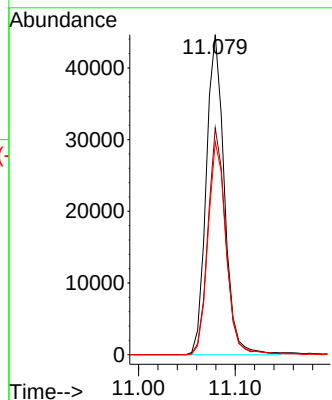
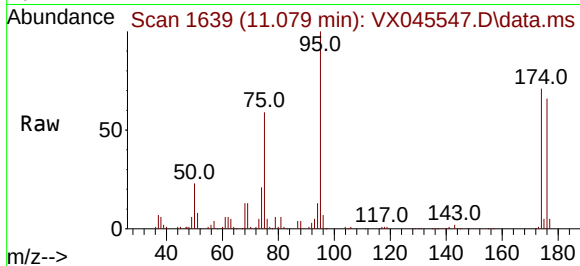




#62  
4-Bromofluorobenzene  
Concen: 50.161 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

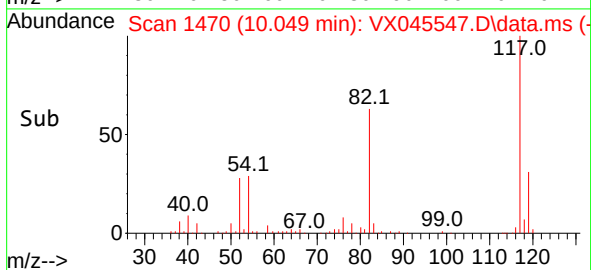
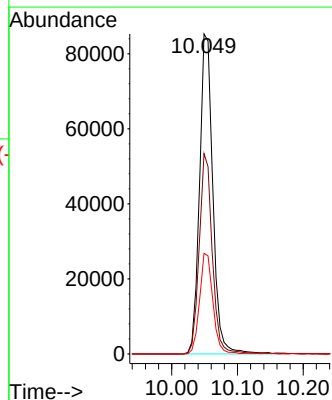
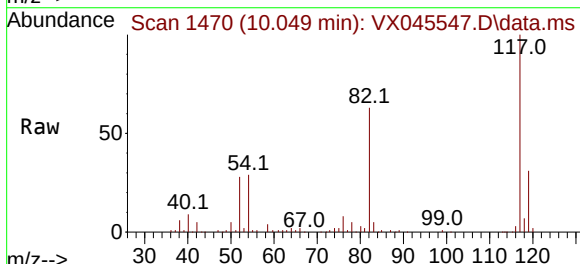
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

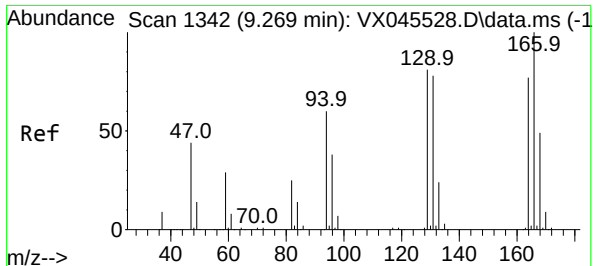
Tgt Ion: 95 Resp: 58223  
Ion Ratio Lower Upper  
95 100  
174 69.8 0.0 135.8  
176 66.9 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Tgt Ion: 117 Resp: 120233  
Ion Ratio Lower Upper  
117 100  
82 62.6 49.2 73.8  
119 31.4 25.1 37.7

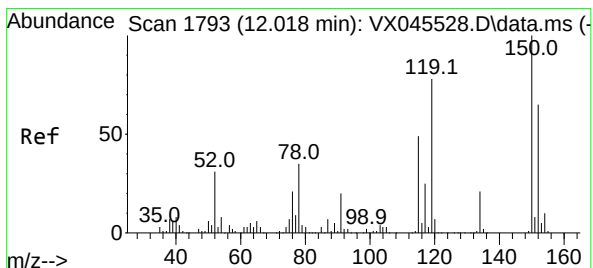
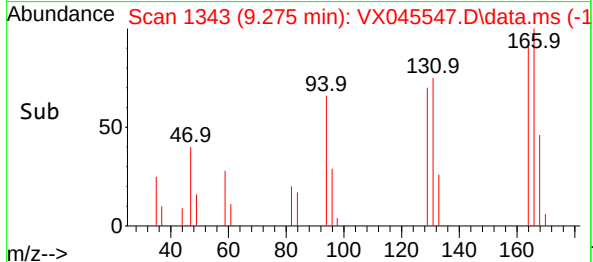
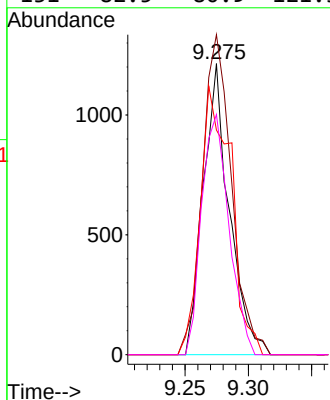
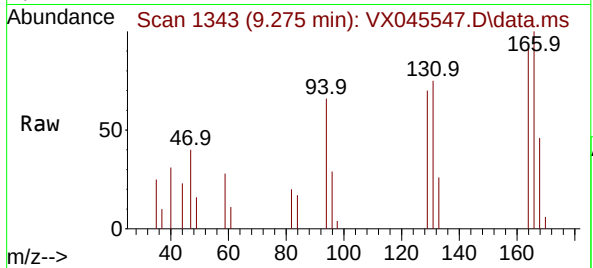




#64  
Tetrachloroethene  
Concen: 2.062 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

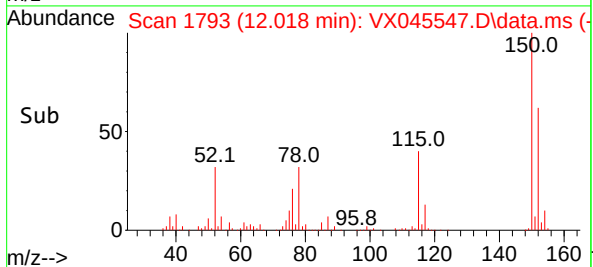
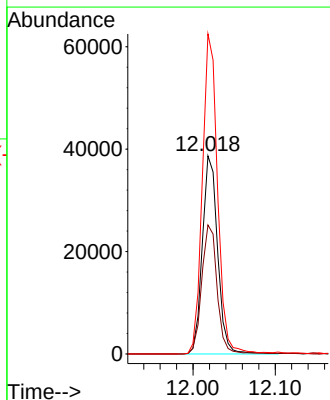
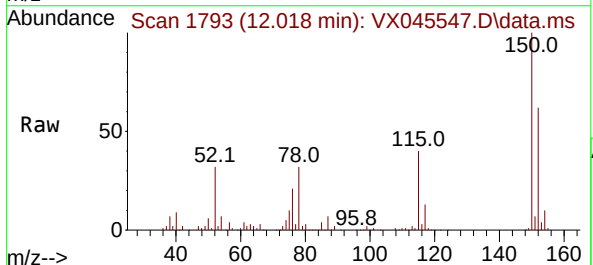
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

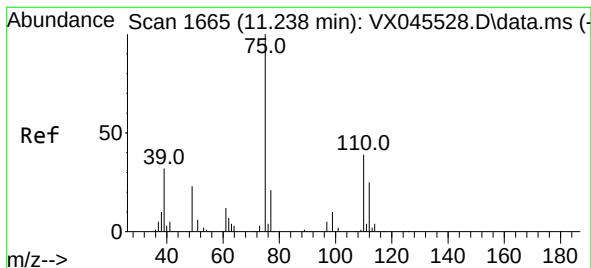
Tgt Ion:164 Resp: 1750  
Ion Ratio Lower Upper  
164 100  
166 110.0 103.8 155.8  
129 77.2 84.3 126.5#  
131 82.5 80.9 121.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX045547.D  
Acq: 02 Apr 2025 15:18

Tgt Ion:152 Resp: 50010  
Ion Ratio Lower Upper  
152 100  
115 65.7 46.9 140.7  
150 160.4 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 28.711 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045547.D

Acq: 02 Apr 2025 15:18

Instrument :

MSVOA\_X

ClientSampleId :

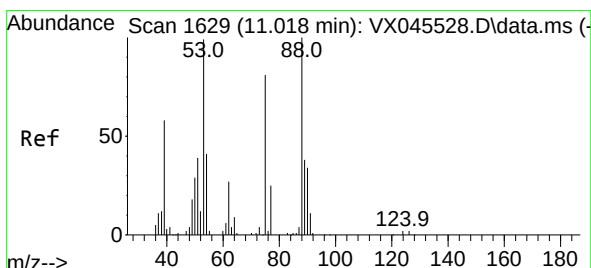
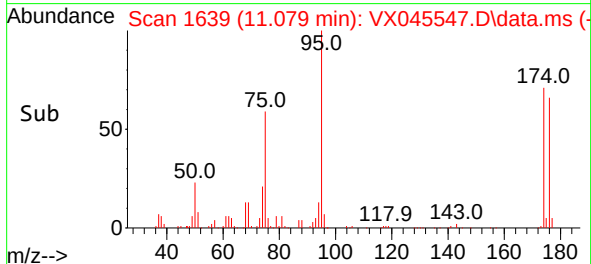
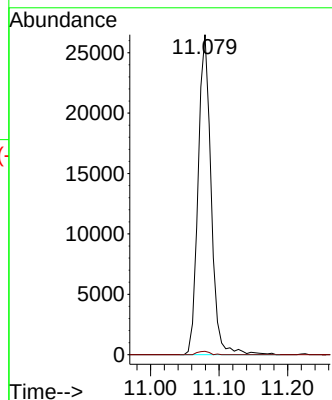
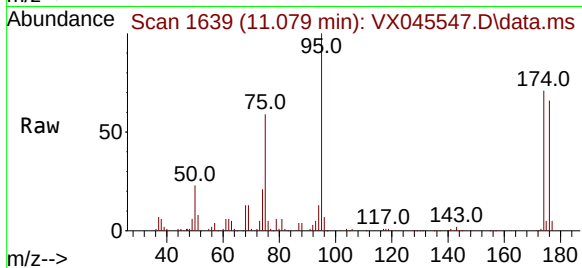
MW-19B-72-040125

Tgt Ion: 75 Resp: 35024

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.443 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045547.D

Acq: 02 Apr 2025 15:18

Tgt Ion: 75 Resp: 35024

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

