

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121421\  
 Data File : VX025790.D  
 Acq On : 14 Dec 2021 20:27  
 Operator : JC/MD  
 Sample : M4988-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 15 07:09:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 2021  
 Response via : Initial Calibration

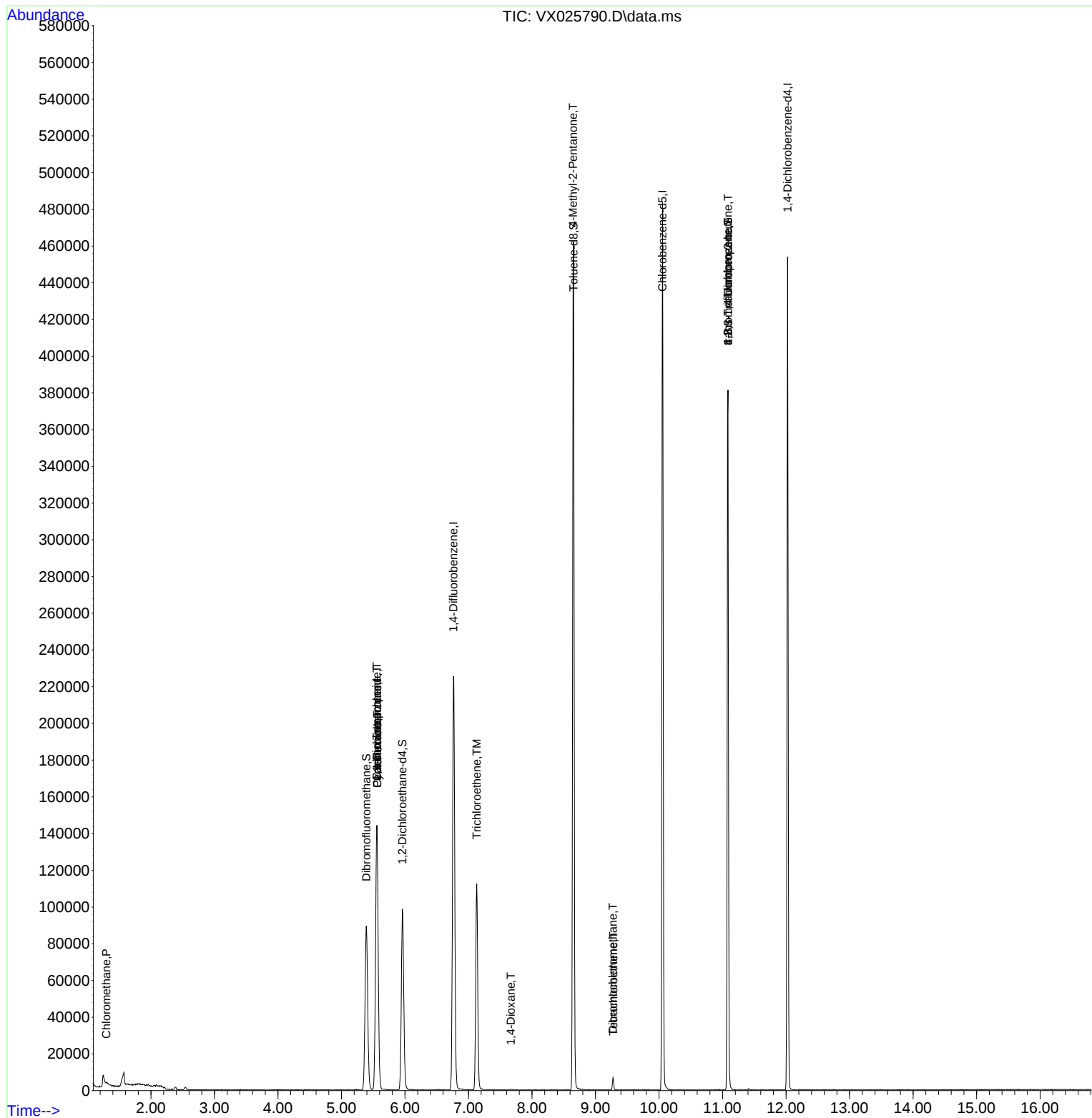
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 135747   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 236322   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 215946   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 90926    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 92044    | 47.126    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 94.260%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 76700    | 46.537    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 93.080%  |
| 50) Toluene-d8                | 8.653  | 98    | 279814   | 46.597    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 93.200%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 106625   | 46.743    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 93.480%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 344      | 0.218     | ug/l   | 100      |
| 16) Acetone                   | 2.380  | 43    | 1427     | Below Cal |        | 95       |
| 20) Methylene Chloride        | 2.794  | 84    | 22       | Below Cal | #      | 64       |
| 31) Cyclohexane               | 5.562  | 56    | 2922     | 1.230     | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 10775    | 4.821     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 14398    | 5.537     | ug/l # | 16       |
| 44) Trichloroethene           | 7.129  | 130   | 43387    | 23.375    | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.665  | 88    | 316      | 7.683     | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1420     | 0.542     | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 1255     | 0.607     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.281  | 164   | 1221     | 0.709     | ug/l # | 87       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 54598    | 26.208    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 54598    | 81.251    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

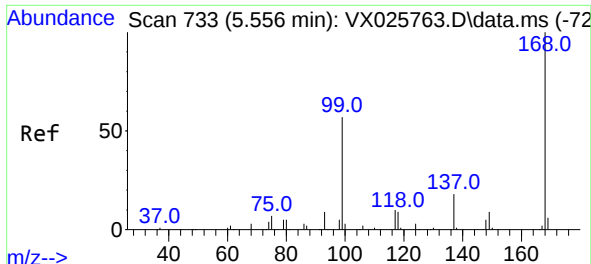
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121421\  
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Sample : M4988-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

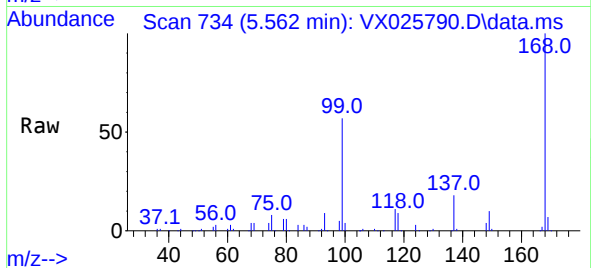
Quant Time: Dec 15 07:09:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 14 07:02:11 2021  
Response via : Initial Calibration



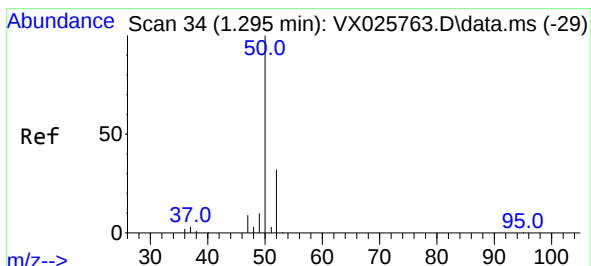
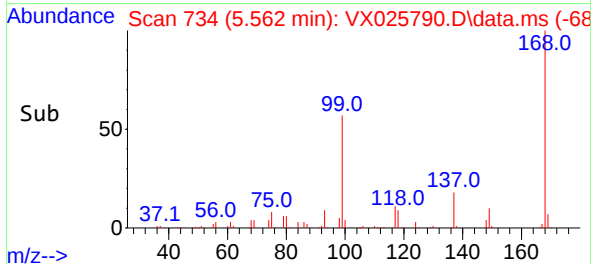
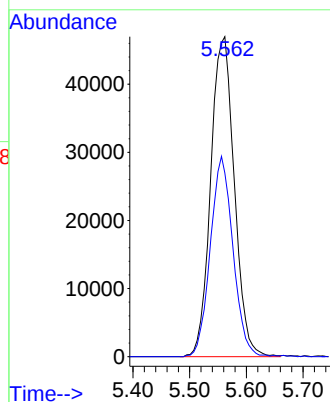


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Instrument :  
MSVOA\_X  
ClientSampleId :

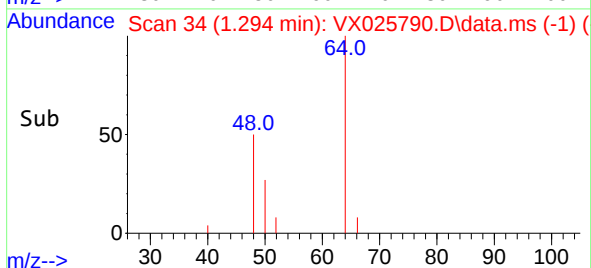
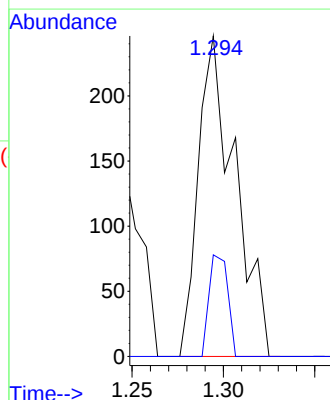
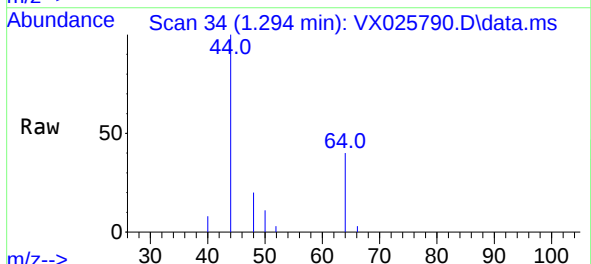


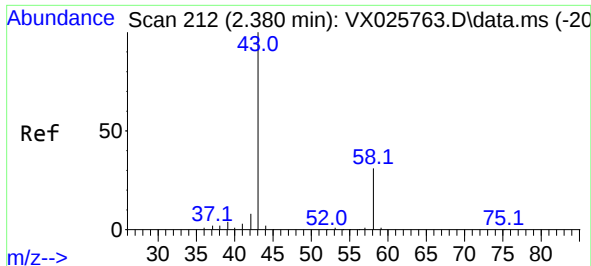
Tgt Ion:168 Resp: 135747  
Ion Ratio Lower Upper  
168 100  
99 57.4 45.8 68.8



#3  
Chloromethane  
Concen: 0.218 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Tgt Ion: 50 Resp: 344  
Ion Ratio Lower Upper  
50 100  
52 31.7 25.4 38.0

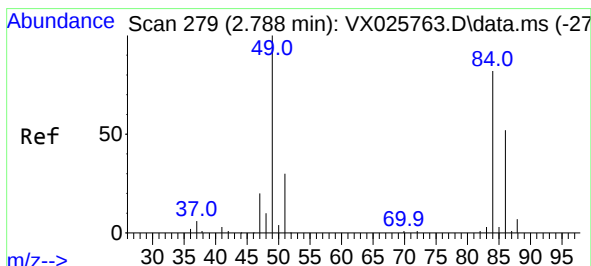
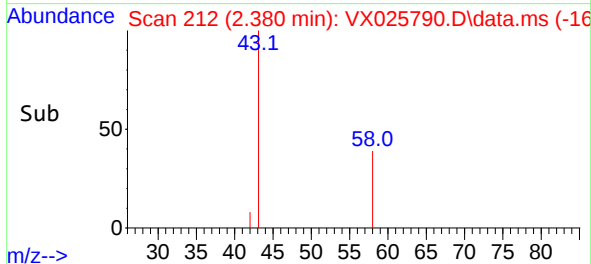
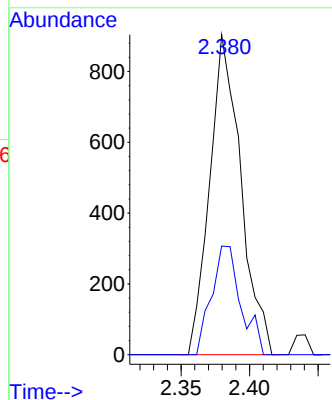
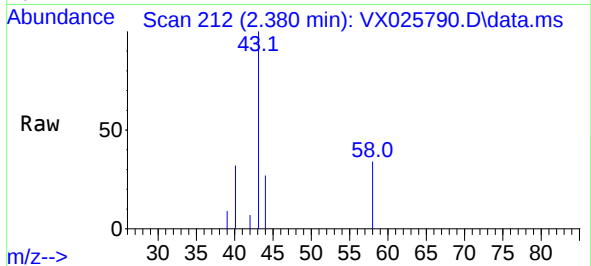




#16  
Acetone  
Concen: Below Cal  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

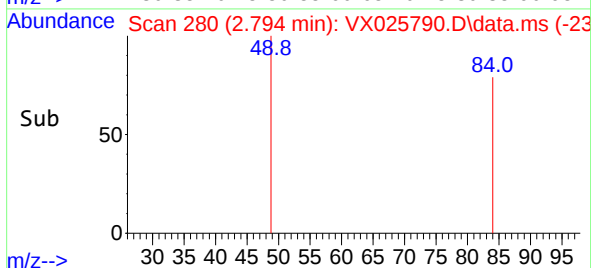
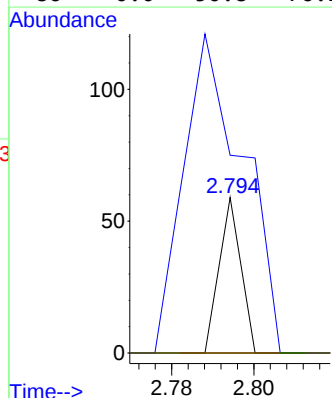
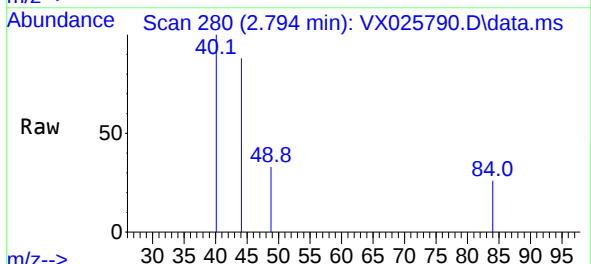
Instrument :  
MSVOA\_X  
ClientSampleId :

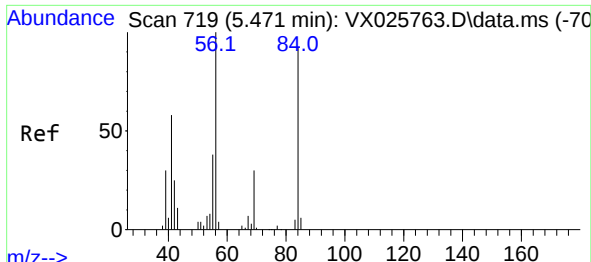
Tgt Ion: 43 Resp: 1427  
Ion Ratio Lower Upper  
43 100  
58 34.0 24.8 37.2



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

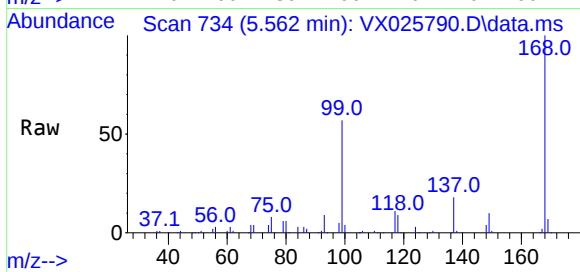
Tgt Ion: 84 Resp: 22  
Ion Ratio Lower Upper  
84 100  
49 127.1 97.1 145.7  
51 0.0 29.3 43.9#  
86 0.0 50.8 76.2#



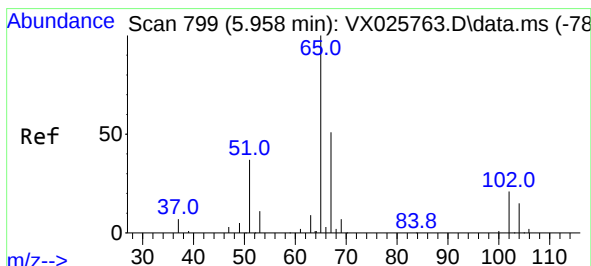
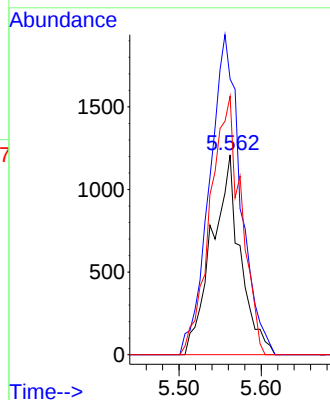
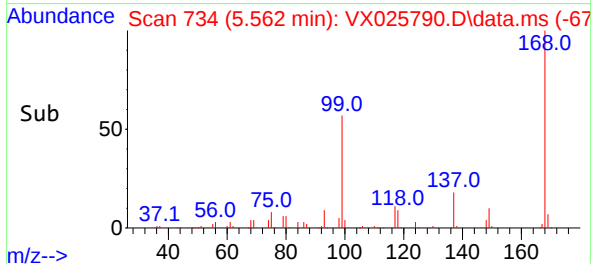


#31  
Cyclohexane  
Concen: 1.230 ug/l  
RT: 5.562 min Scan# 719  
Delta R.T. 0.091 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Instrument :  
MSVOA\_X  
ClientSampleId :

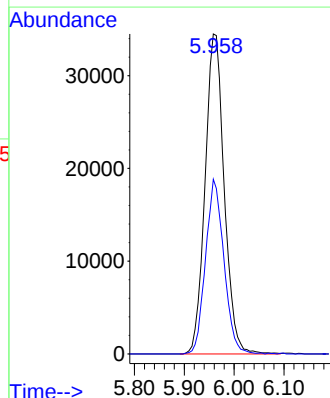
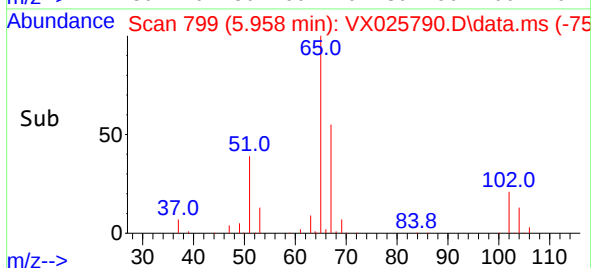
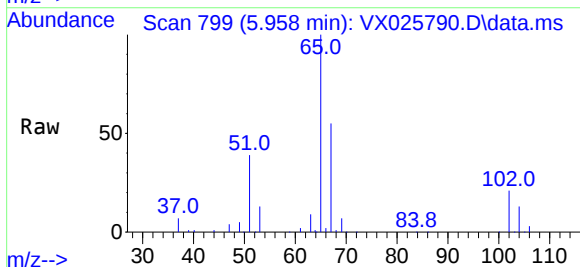


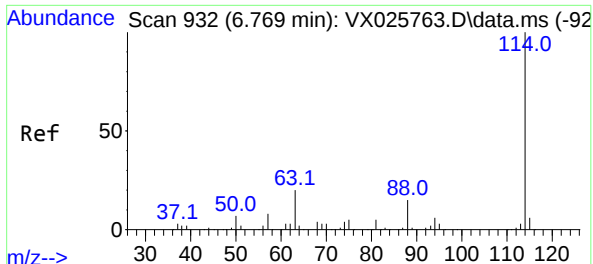
Tgt Ion: 56 Resp: 2922  
Ion Ratio Lower Upper  
56 100  
69 137.9 23.9 35.9#  
84 129.3 73.2 109.8#



#33  
1,2-Dichloroethane-d4  
Concen: 47.126 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Tgt Ion: 65 Resp: 92044  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX025790.D

Acq: 14 Dec 2021 20:27

Instrument :

MSVOA\_X

ClientSampleId :

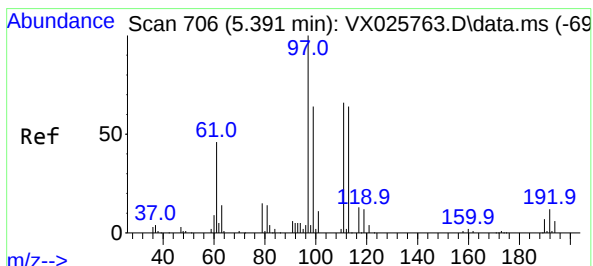
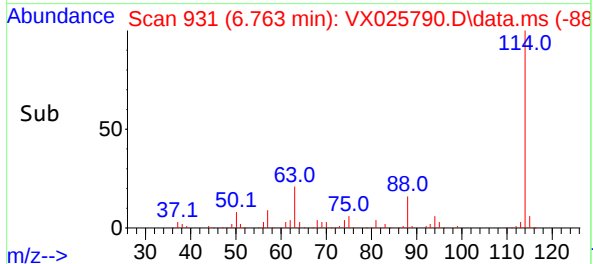
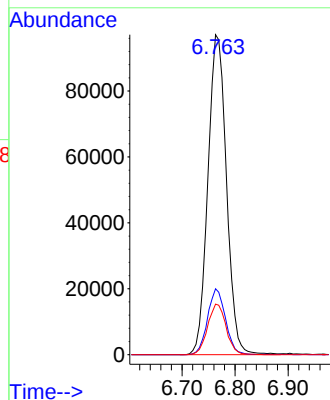
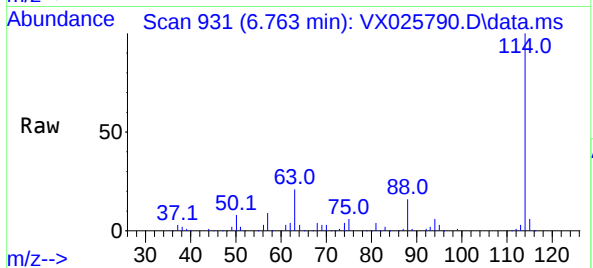
Tgt Ion:114 Resp: 236322

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.537 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025790.D

Acq: 14 Dec 2021 20:27

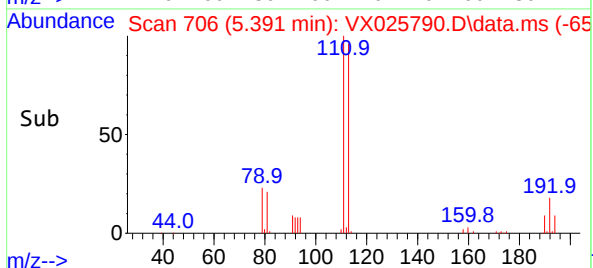
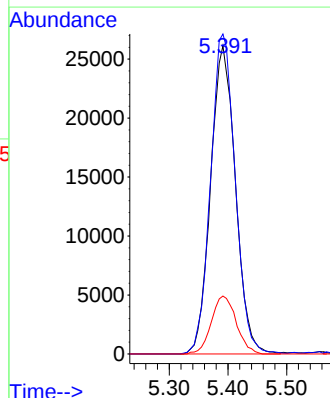
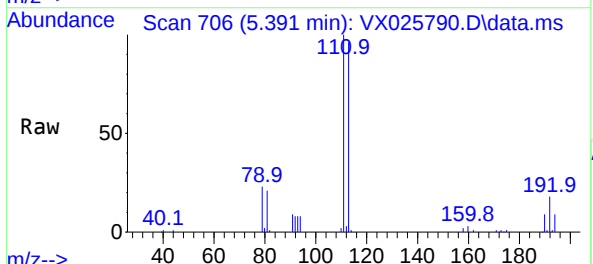
Tgt Ion:113 Resp: 76700

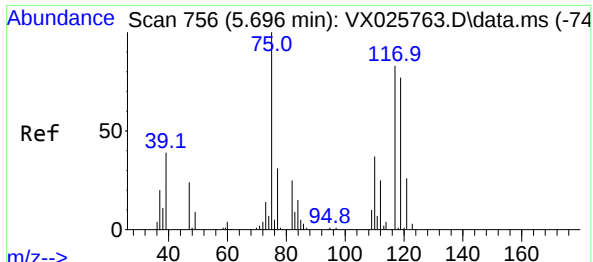
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

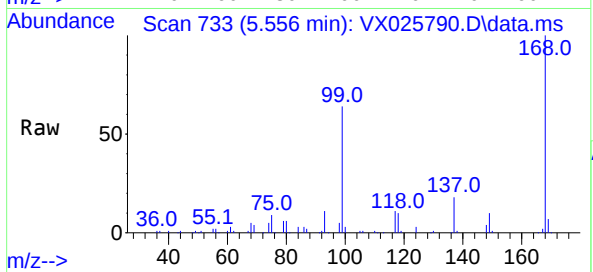
192 18.9 15.0 22.4



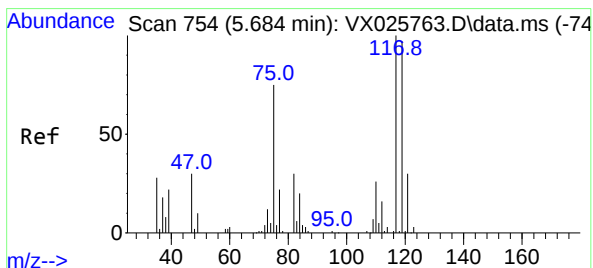
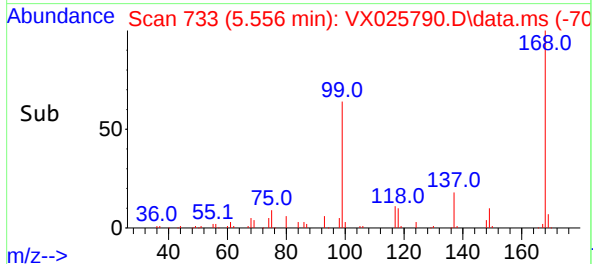
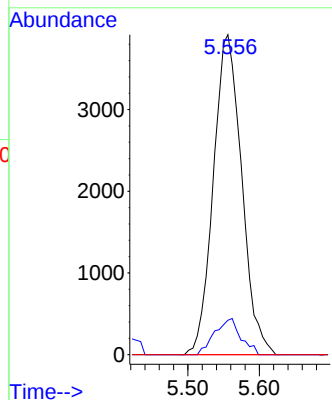


#36  
1,1-Dichloropropene  
Concen: 4.821 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Instrument :  
MSVOA\_X  
ClientSampleId :

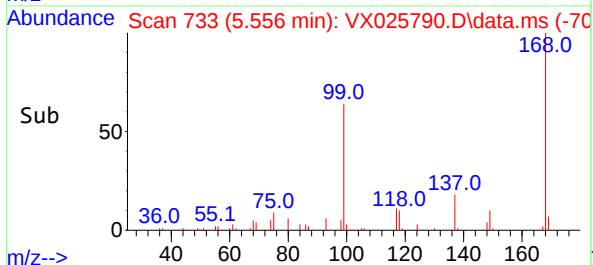
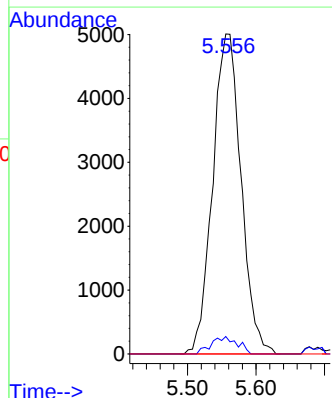
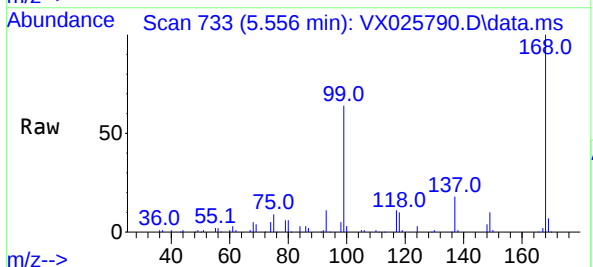


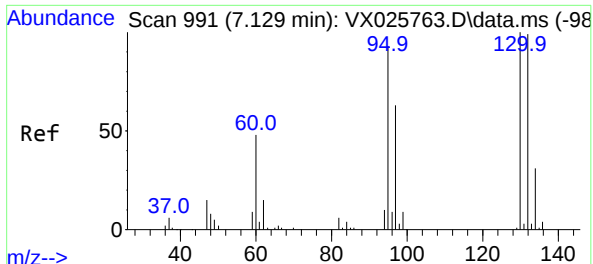
Tgt Ion: 75 Resp: 10775  
Ion Ratio Lower Upper  
75 100  
110 10.4 18.2 54.6#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 5.537 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Tgt Ion: 117 Resp: 14398  
Ion Ratio Lower Upper  
117 100  
119 5.5 77.2 115.8#  
121 0.0 23.8 35.8#

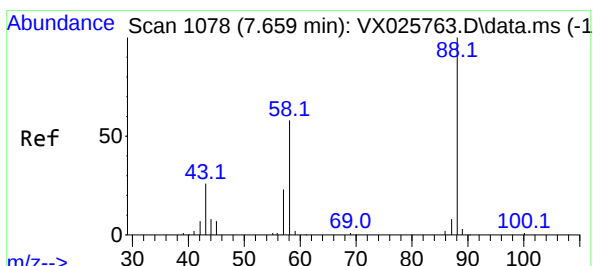
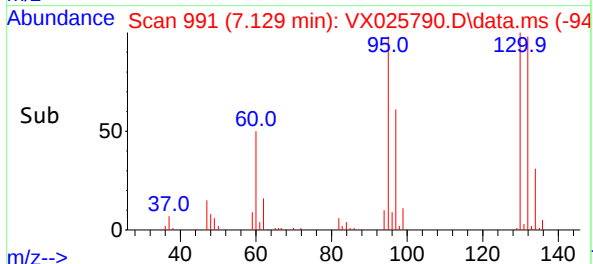
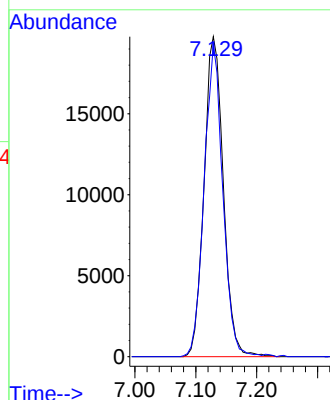
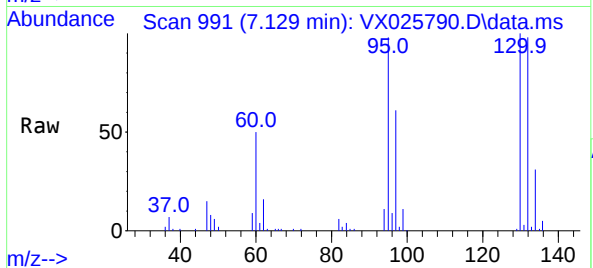




#44  
Trichloroethene  
Concen: 23.375 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

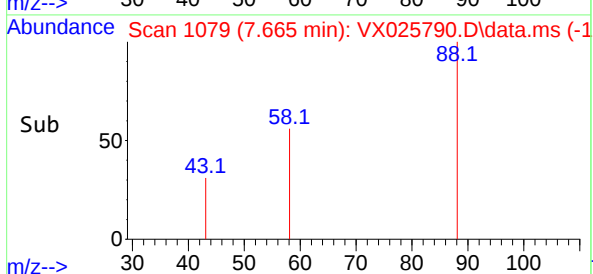
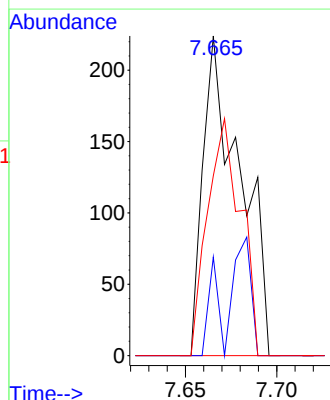
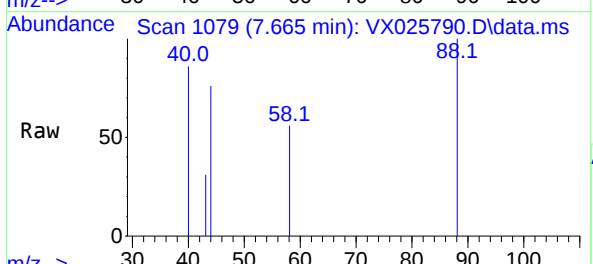
Instrument :  
MSVOA\_X  
ClientSampleId :

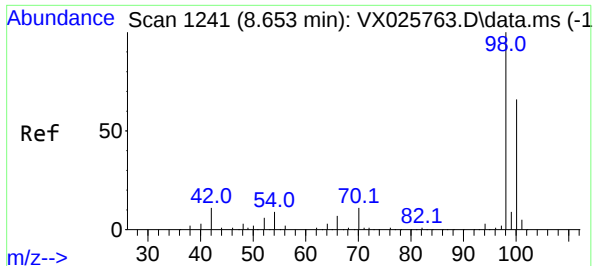
Tgt Ion:130 Resp: 43387  
Ion Ratio Lower Upper  
130 100  
95 97.7 0.0 186.4



#49  
1,4-Dioxane  
Concen: 7.683 ug/l  
RT: 7.665 min Scan# 1079  
Delta R.T. 0.006 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Tgt Ion: 88 Resp: 316  
Ion Ratio Lower Upper  
88 100  
43 25.3 25.3 37.9  
58 66.1 51.8 77.6

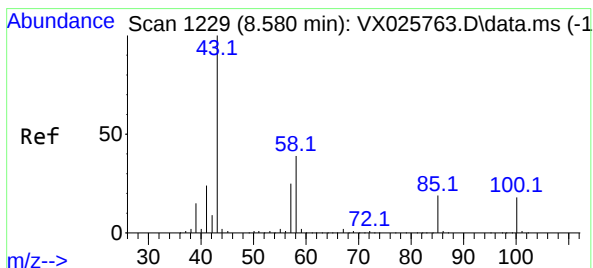
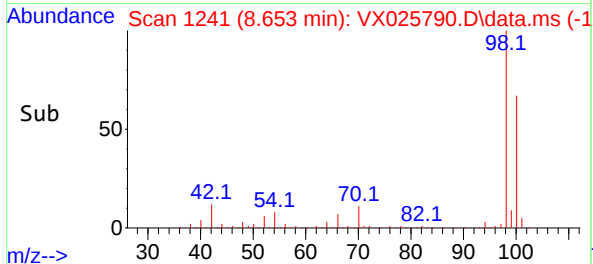
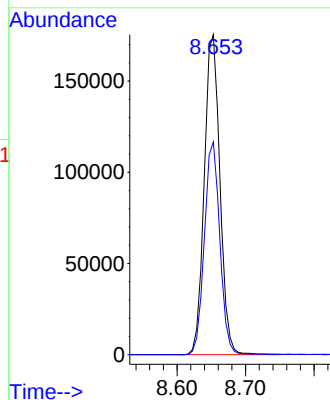
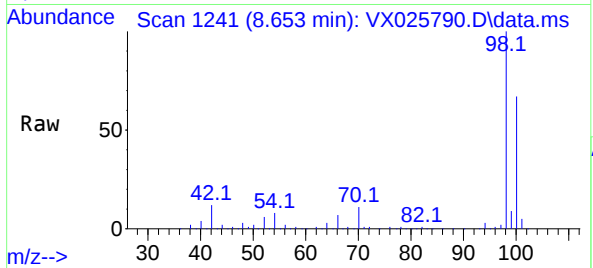




#50  
Toluene-d8  
Concen: 46.597 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

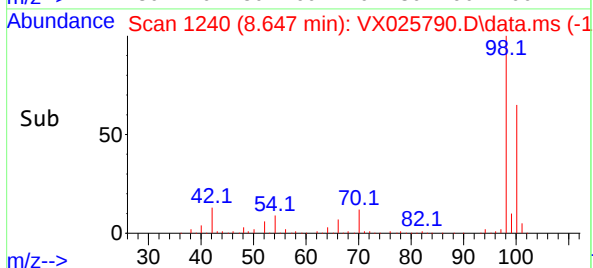
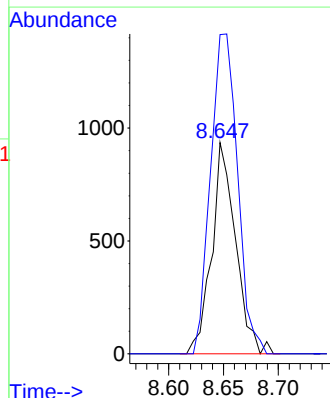
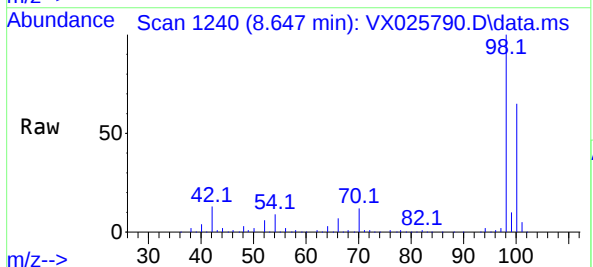
Instrument :  
MSVOA\_X  
ClientSampleId :

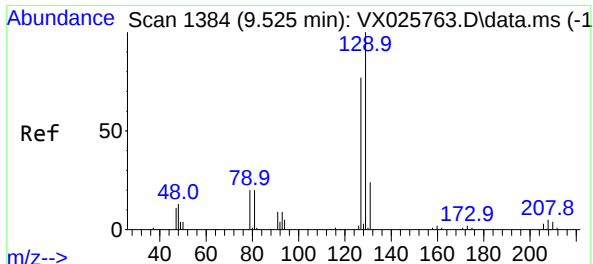
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Ion Ratio Lower Upper  
98 100  
100 65.6 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.542 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Tgt Ion: 43 Resp: 1420  
Ion Ratio Lower Upper  
43 100  
58 171.3 30.8 46.2#





#60

Dibromochloromethane

Concen: 0.607 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX025790.D

Acq: 14 Dec 2021 20:27

Instrument :

MSVOA\_X

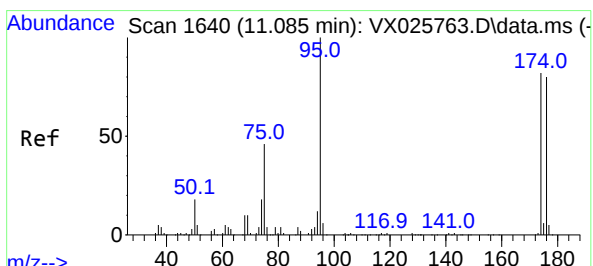
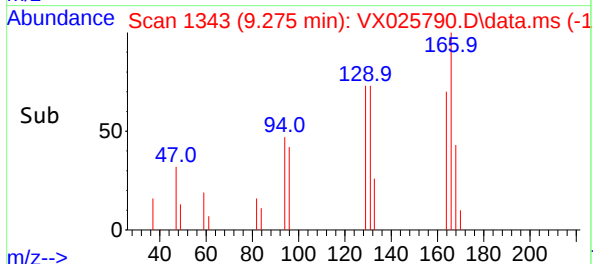
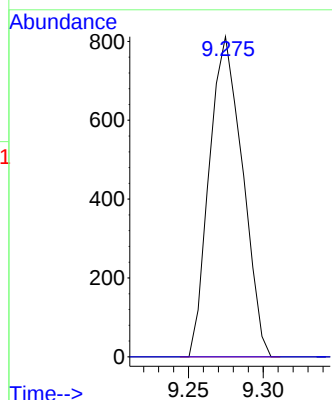
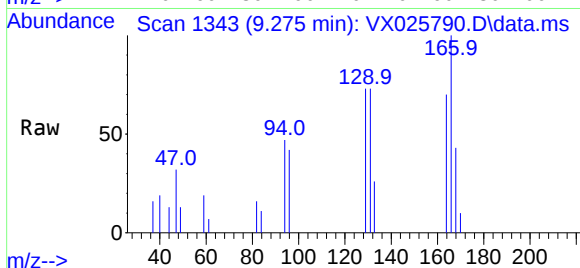
ClientSampleId :

Tgt Ion:129 Resp: 1255

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#



#62

4-Bromofluorobenzene

Concen: 46.743 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025790.D

Acq: 14 Dec 2021 20:27

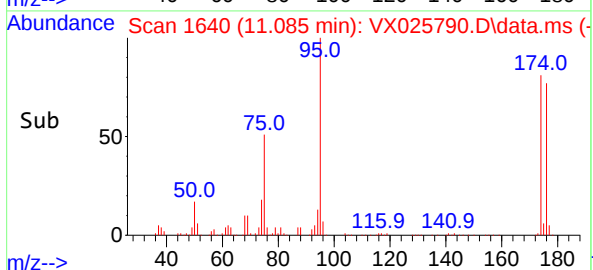
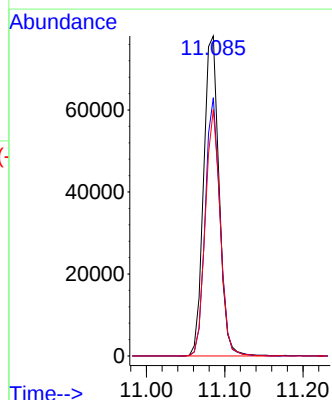
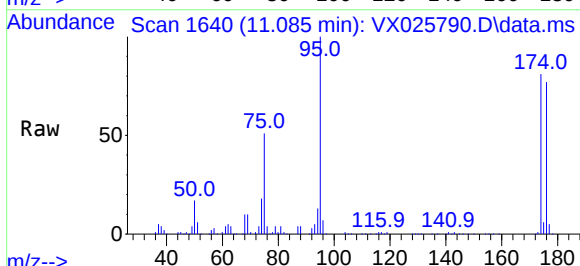
Tgt Ion: 95 Resp: 106625

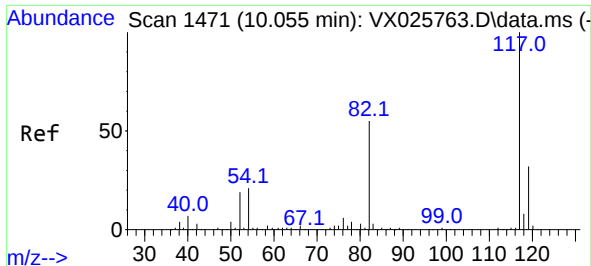
Ion Ratio Lower Upper

95 100

174 76.9 0.0 157.4

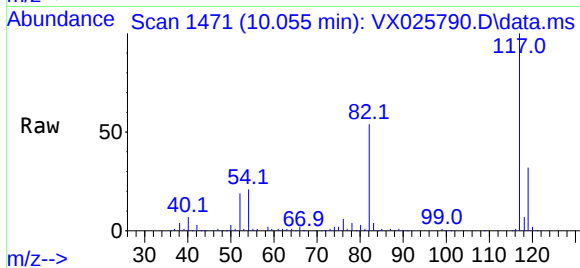
176 74.3 0.0 154.6



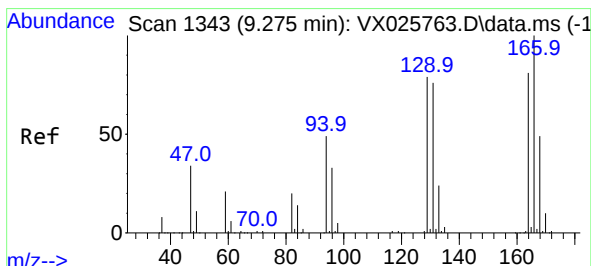
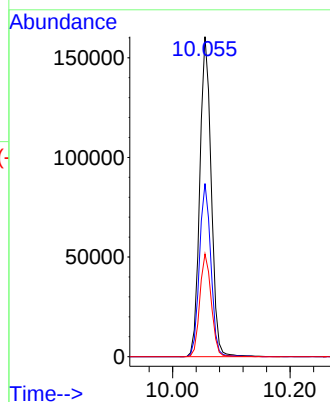
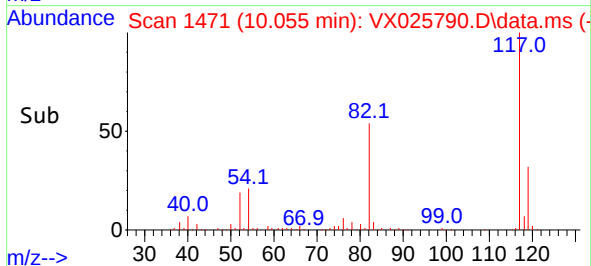


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

Instrument :  
MSVOA\_X  
ClientSampleId :

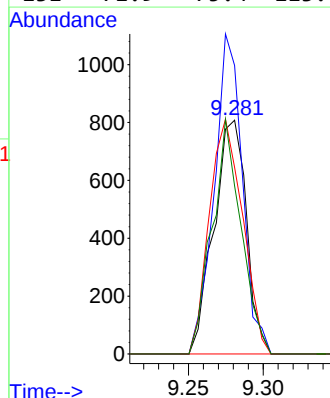
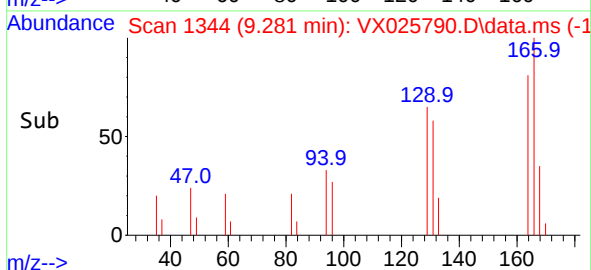
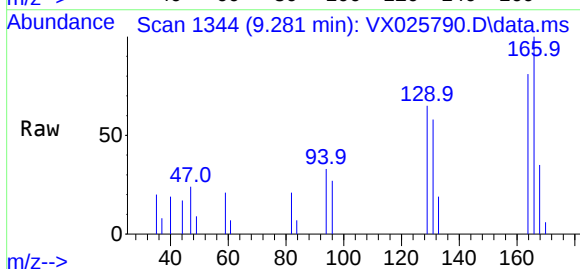


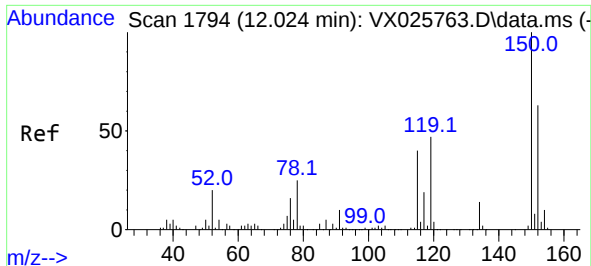
Tgt Ion:117 Resp: 215946  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.8 65.6  
119 32.1 25.2 37.8



#64  
Tetrachloroethene  
Concen: 0.709 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. 0.006 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

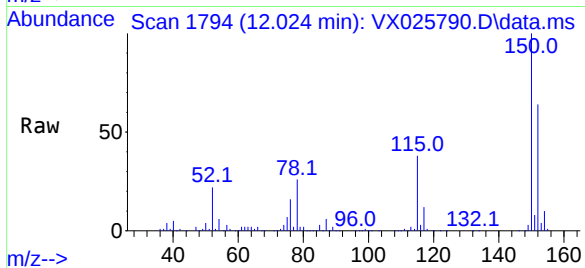
Tgt Ion:164 Resp: 1221  
Ion Ratio Lower Upper  
164 100  
166 123.4 99.4 149.0  
129 79.8 78.6 118.0  
131 71.9 75.4 113.0#



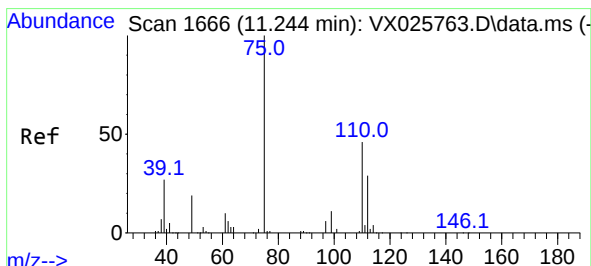
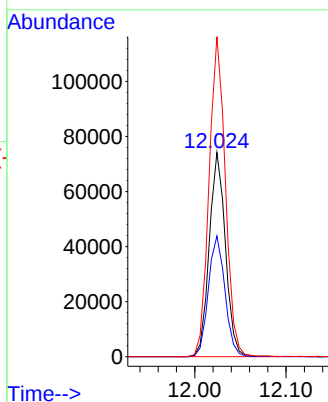
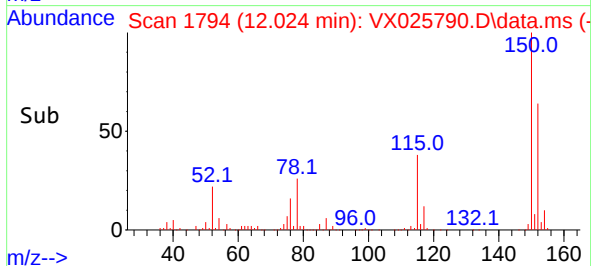


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27

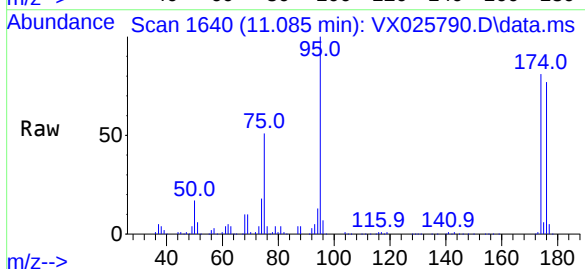
Instrument :  
MSVOA\_X  
ClientSampleId :



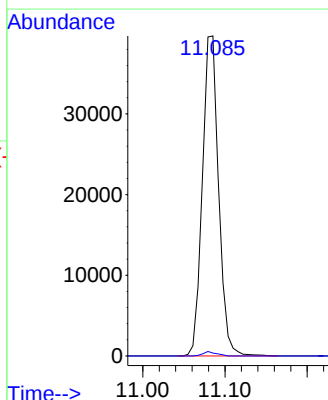
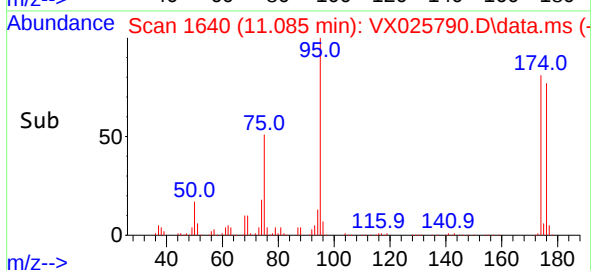
Tgt Ion:152 Resp: 90926  
Ion Ratio Lower Upper  
152 100  
115 60.5 41.3 123.9  
150 157.9 0.0 351.8

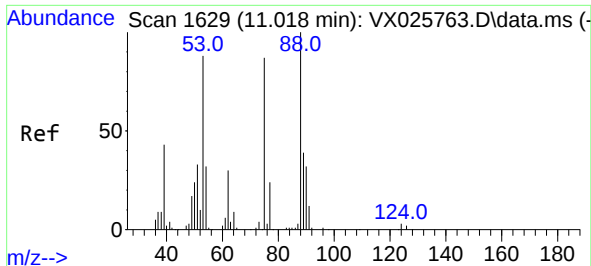


#76  
1,2,3-Trichloropropane  
Concen: 26.208 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX025790.D  
Acq: 14 Dec 2021 20:27



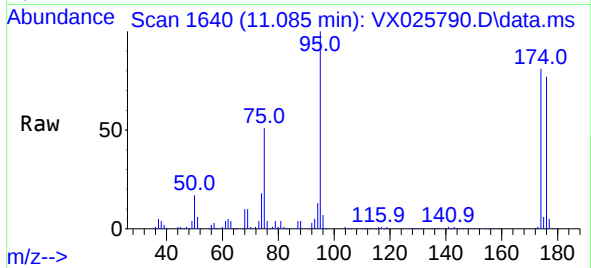
Tgt Ion: 75 Resp: 54598  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.0 57.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 81.251 ug/l  
 RT: 11.085 min Scan# 1  
 Delta R.T. 0.067 min  
 Lab File: VX025790.D  
 Acq: 14 Dec 2021 20:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 54598  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 79.5 119.3#  
 89 0.0 38.3 57.5#

