

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083021\  
 Data File : VX024022.D  
 Acq On : 30 Aug 2021 18:14  
 Operator : JC/MD  
 Sample : M3583-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-118.5T-20210827

Quant Time: Aug 31 03:12:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

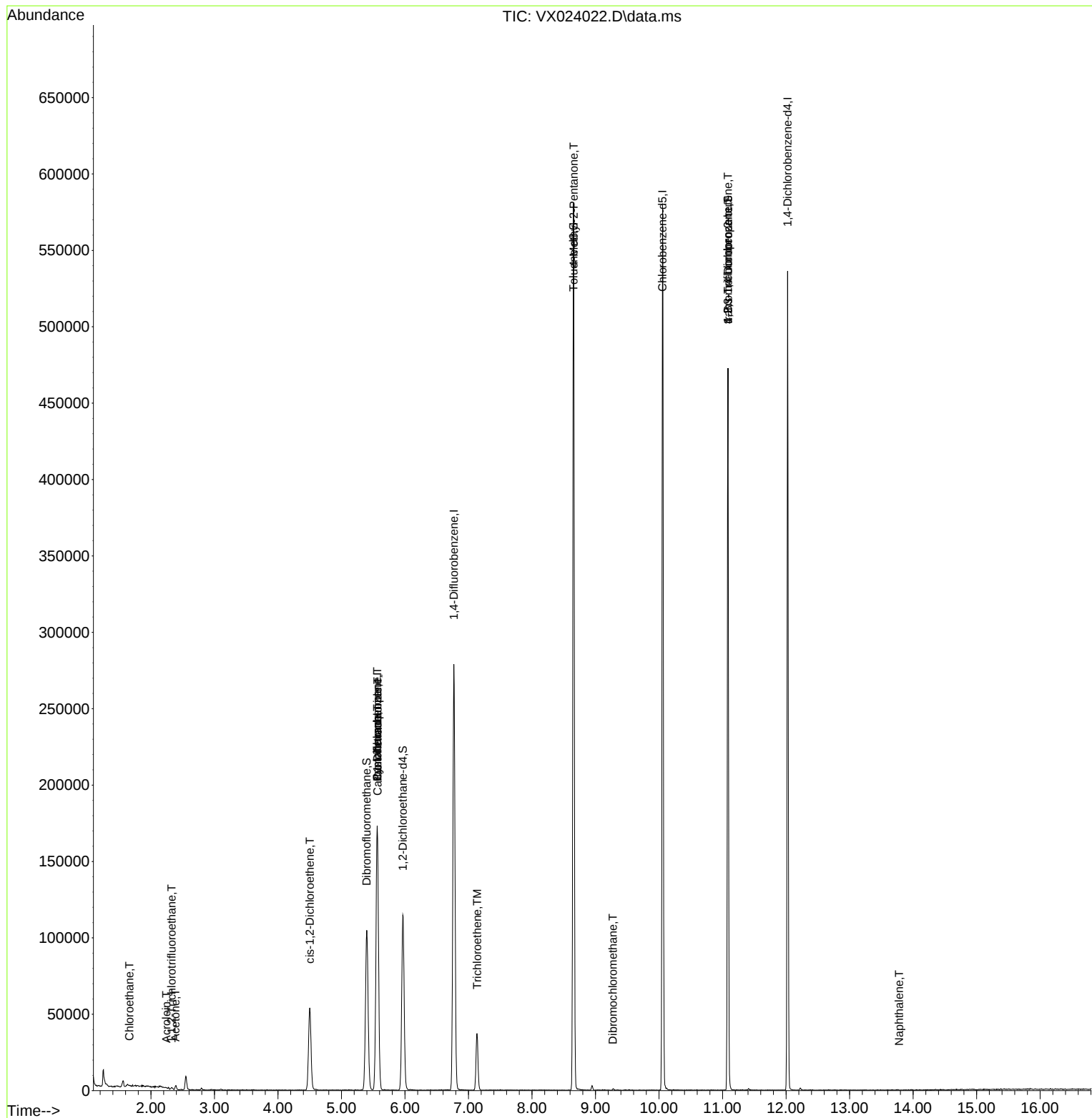
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 158756   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114   | 273301   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 251288   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 100609   | 50.000   | ug/l   | 0.00     |
|                               |           |       |          |          |        |          |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65    | 117248   | 52.916   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | =      | 105.840% |
| 35) Dibromofluoromethane      | 5.397     | 113   | 90010    | 49.759   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | =      | 99.520%  |
| 50) Toluene-d8                | 8.653     | 98    | 330515   | 48.006   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | =      | 96.020%  |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 118595   | 46.793   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | =      | 93.580%  |
|                               |           |       |          |          |        |          |
| Target Compounds              |           |       |          |          |        | Qvalue   |
| 6) Chloroethane               | 1.660     | 64    | 458      | 2.509    | ug/l # | 72       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.325     | 101   | 428      | 0.269    | ug/l # | 80       |
| 13) Acrolein                  | 2.239     | 56    | 79       | 0.296    | ug/l # | 44       |
| 16) Acetone                   | 2.386     | 43    | 3123     | 3.152    | ug/l # | 79       |
| 27) cis-1,2-Dichloroethene    | 4.501     | 96    | 33211    | 17.151   | ug/l   | 96       |
| 31) Cyclohexane               | 5.562     | 56    | 3523     | 1.238    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.562     | 75    | 13415    | 5.300    | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.568     | 117   | 16687    | 6.323    | ug/l # | 15       |
| 44) Trichloroethene           | 7.135     | 130   | 14321    | 6.927    | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.659     | 43    | 1741     | 0.553    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275     | 129   | 101      | 1.732    | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75    | 64027    | 27.281   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75    | 64027    | 80.248   | ug/l # | 12       |
| 95) Naphthalene               | 13.780    | 128   | 25       | 1.286    | ug/l # | 69       |
| -----                         |           |       |          |          |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083021\  
Data File : VX024022.D  
Acq On : 30 Aug 2021 18:14  
Operator : JC/MD  
Sample : M3583-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

Quant Time: Aug 31 03:12:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

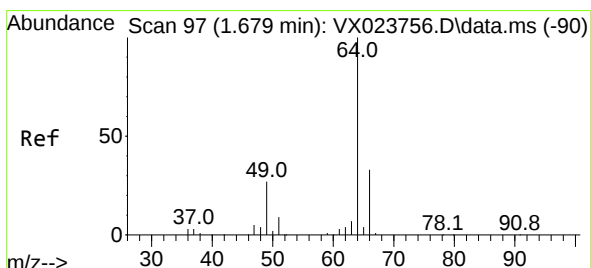
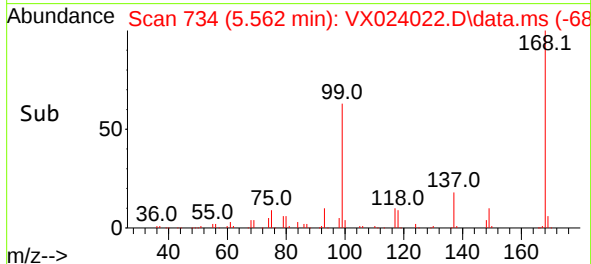
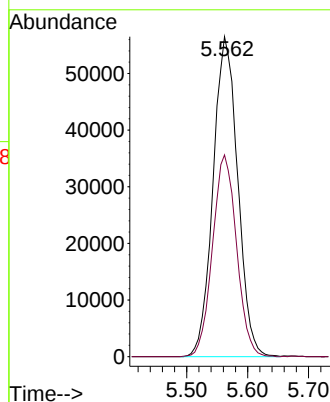
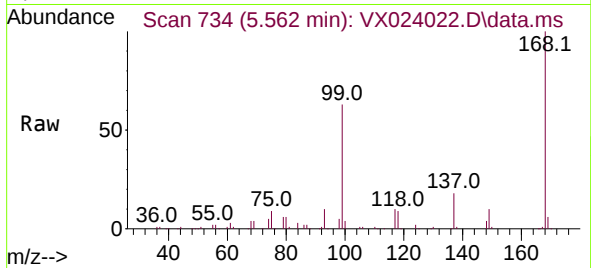




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

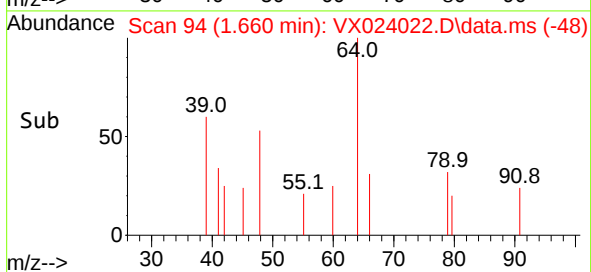
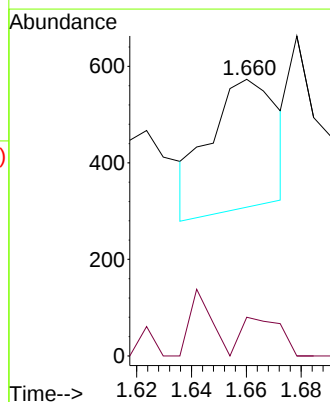
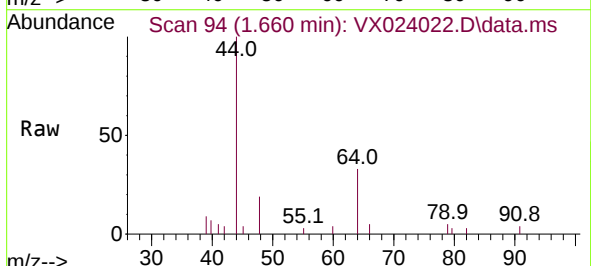
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

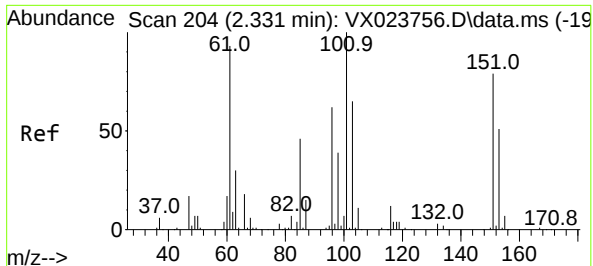
Tgt Ion:168 Resp: 158756  
Ion Ratio Lower Upper  
168 100  
99 63.0 45.8 68.6



#6  
Chloroethane  
Concen: 2.509 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.019 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 64 Resp: 458  
Ion Ratio Lower Upper  
64 100  
66 47.1 25.4 38.0#

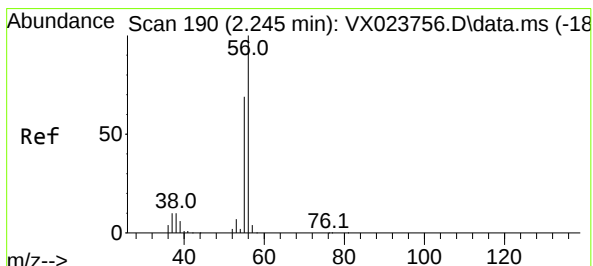
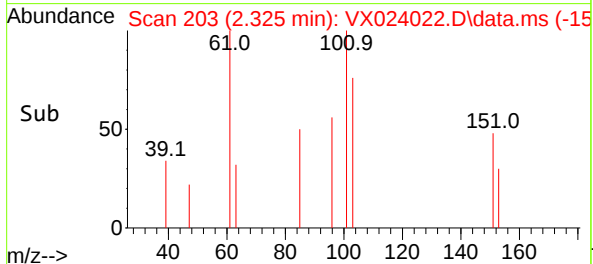
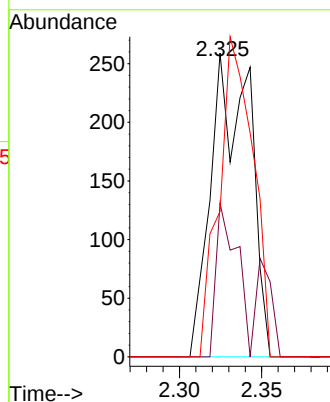
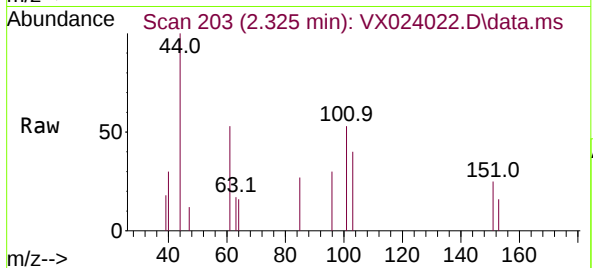




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.269 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

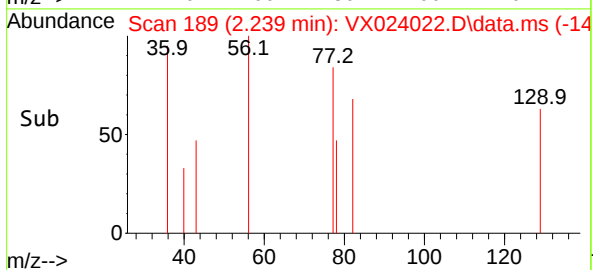
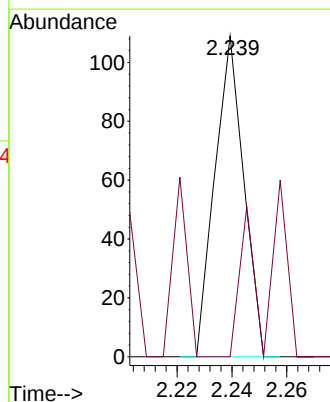
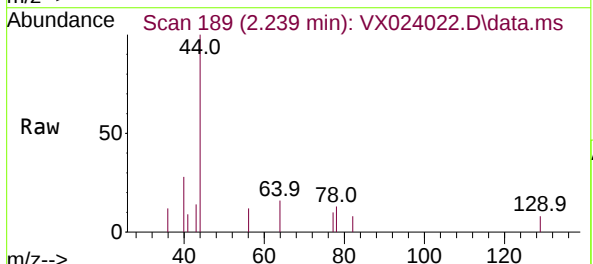
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

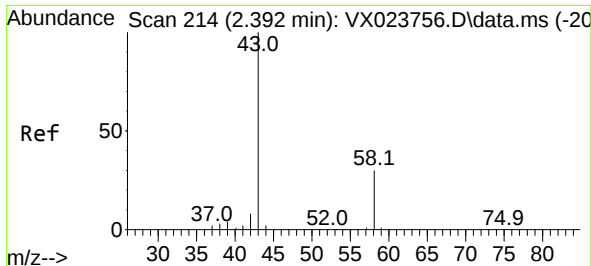
Tgt Ion:101 Resp: 428  
Ion Ratio Lower Upper  
101 100  
85 27.1 34.9 52.3#  
151 91.1 61.4 92.2



#13  
Acrolein  
Concen: 0.296 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. -0.006 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 56 Resp: 79  
Ion Ratio Lower Upper  
56 100  
55 24.1 56.4 84.6#

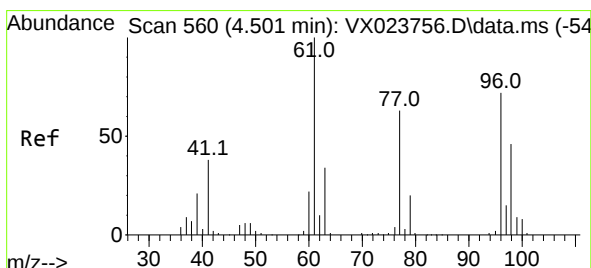
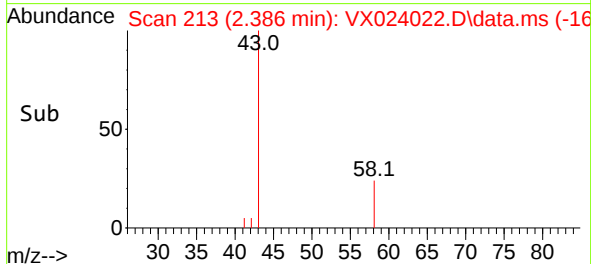
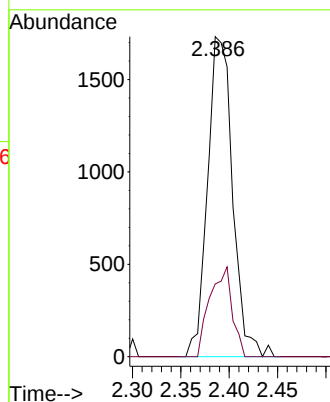
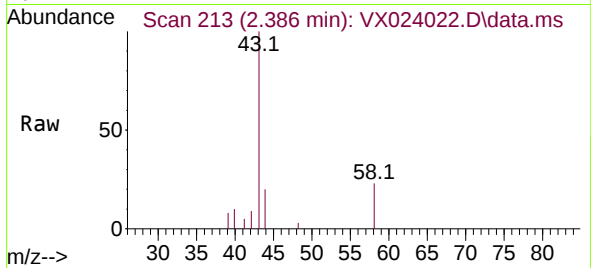




#16  
Acetone  
Concen: 3.152 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

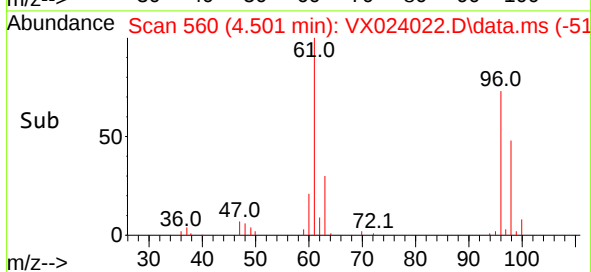
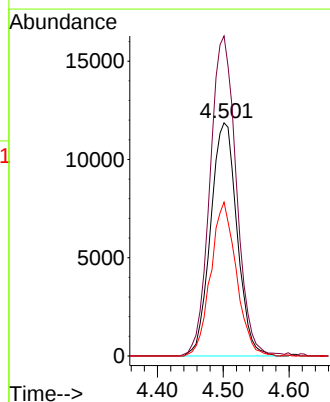
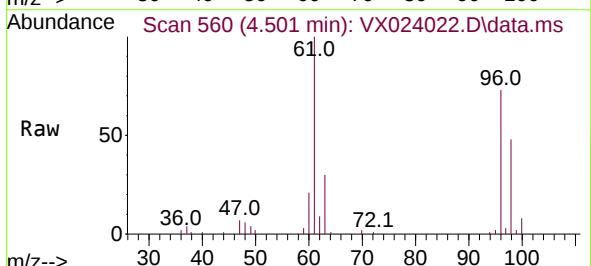
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

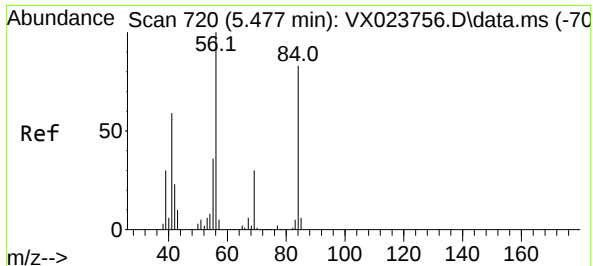
Tgt Ion: 43 Resp: 3123  
Ion Ratio Lower Upper  
43 100  
58 22.7 27.8 41.8#



#27  
cis-1,2-Dichloroethene  
Concen: 17.151 ug/l  
RT: 4.501 min Scan# 560  
Delta R.T. 0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 96 Resp: 33211  
Ion Ratio Lower Upper  
96 100  
61 136.9 0.0 285.6  
98 63.9 0.0 129.6

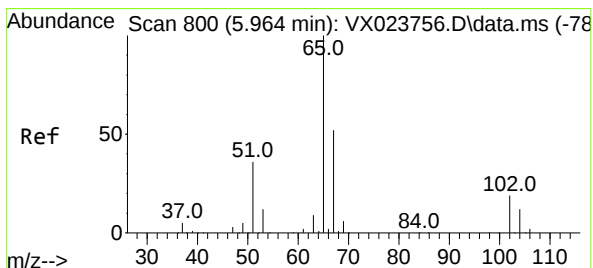
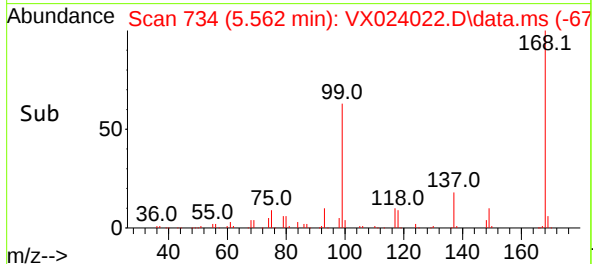
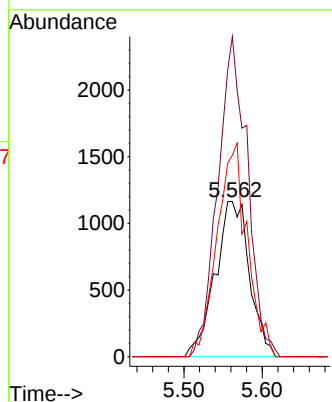
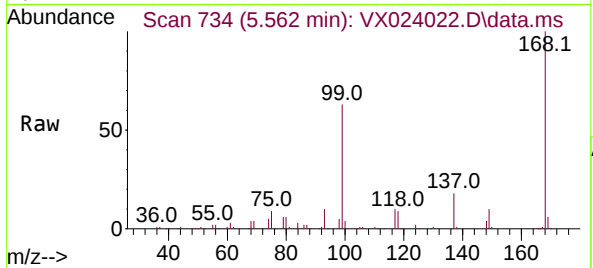




#31  
Cyclohexane  
Concen: 1.238 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

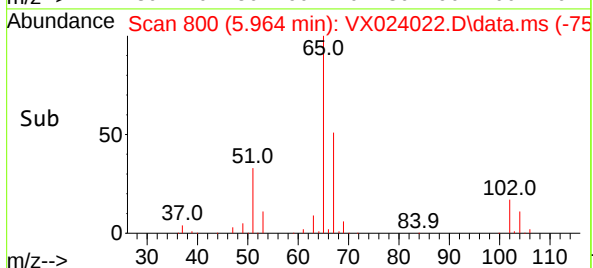
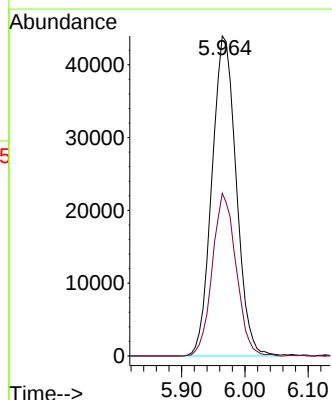
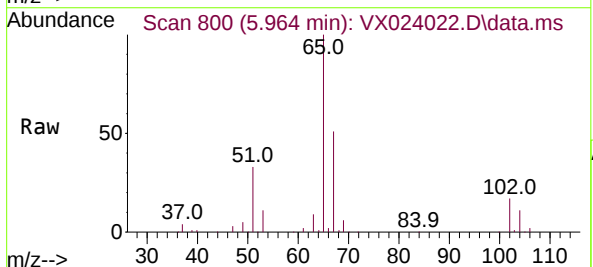
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

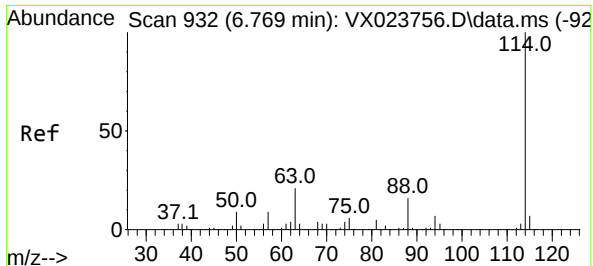
Tgt Ion: 56 Resp: 3523  
Ion Ratio Lower Upper  
56 100  
69 206.1 25.3 37.9#  
84 129.7 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 52.916 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 65 Resp: 117248  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 105.4

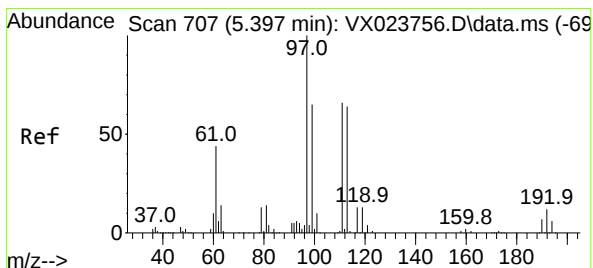
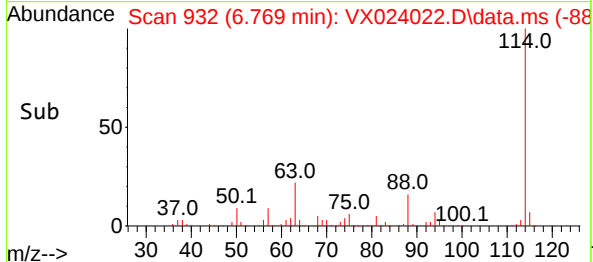
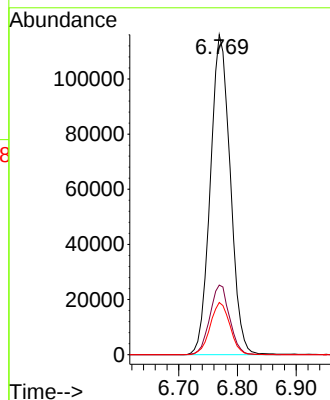
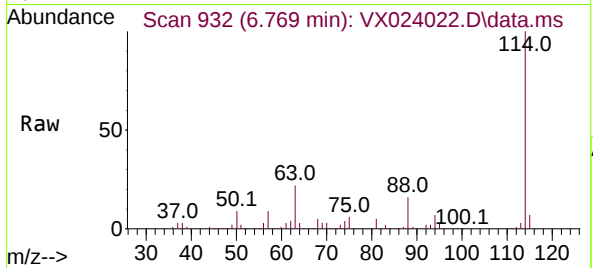




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

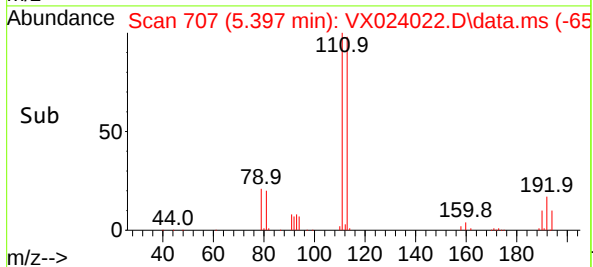
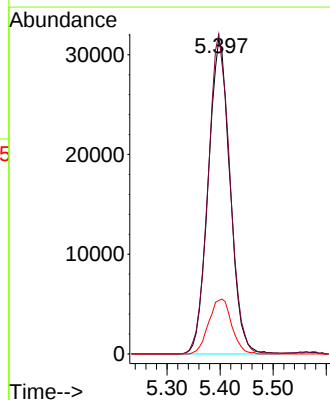
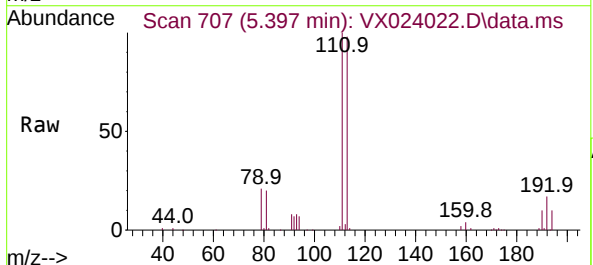
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

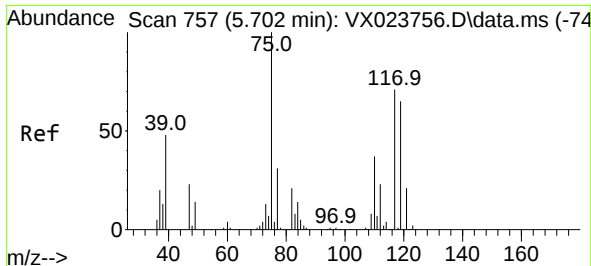
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 273301   |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 21.8  | 0.0 40.8 |
| 88          | 16.3  | 0.0 32.8 |



#35  
Dibromofluoromethane  
Concen: 49.759 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 90010      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 102.1 | 81.9 122.9 |
| 192         | 18.3  | 16.7 25.1  |





#36

1,1-Dichloropropene

Concen: 5.300 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024022.D

Acq: 30 Aug 2021 18:14

Tgt Ion: 75 Resp: 13415

Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

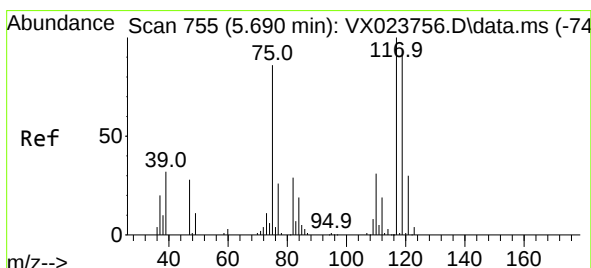
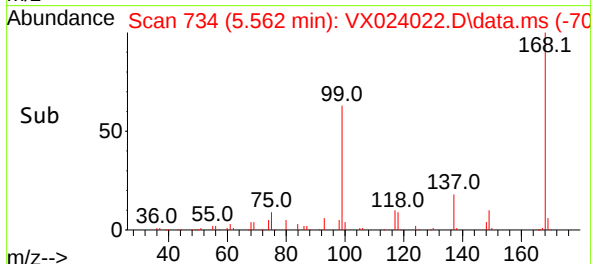
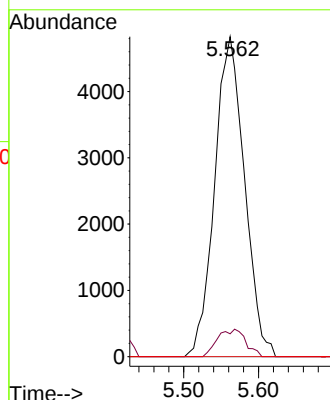
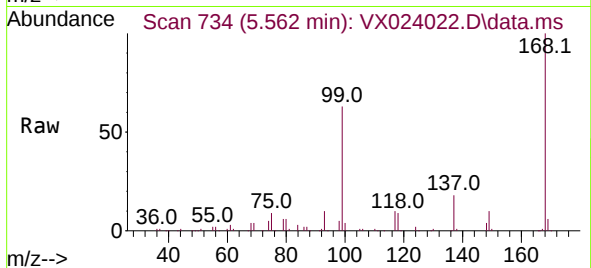
77 0.0 25.3 37.9#

Instrument :

MSVOA\_X

ClientSampleId :

MH-118.5T-20210827



#38

Carbon Tetrachloride

Concen: 6.323 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX024022.D

Acq: 30 Aug 2021 18:14

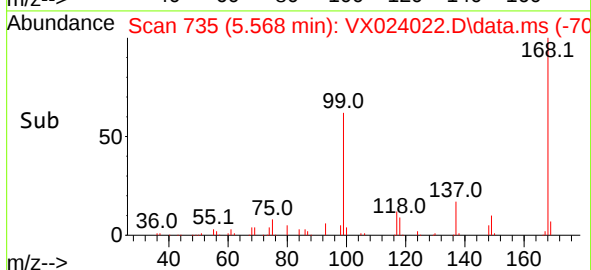
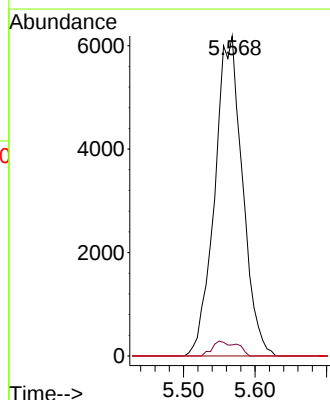
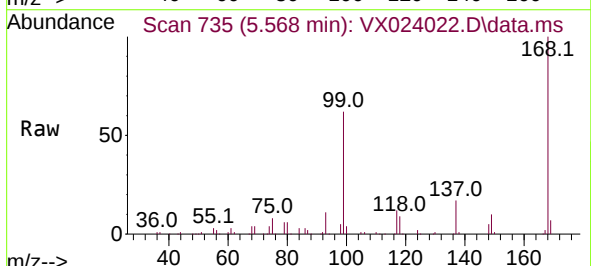
Tgt Ion:117 Resp: 16687

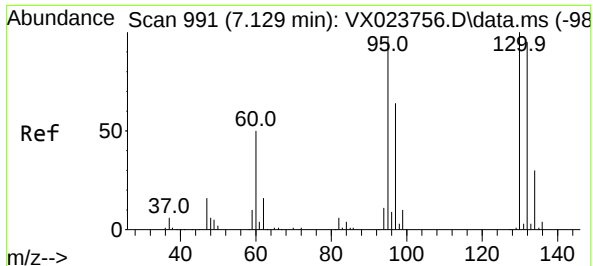
Ion Ratio Lower Upper

117 100

119 3.5 76.2 114.2#

121 0.0 24.8 37.2#

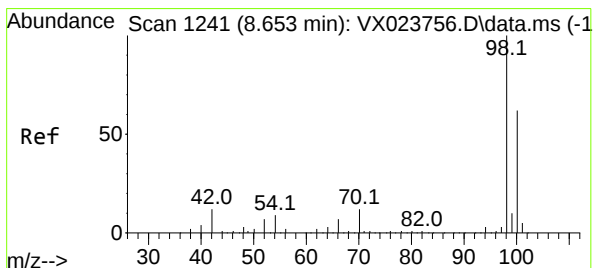
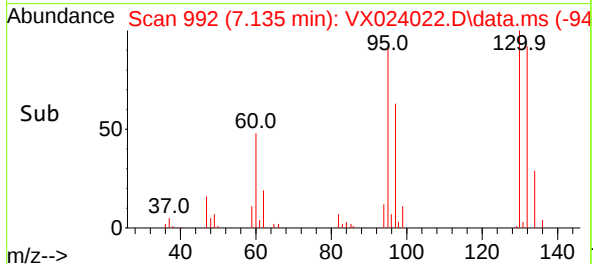
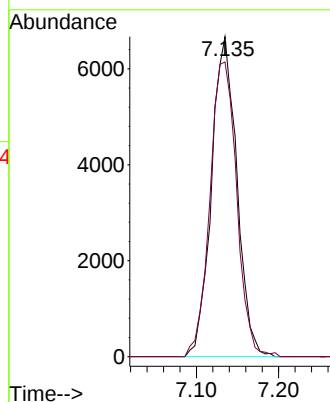
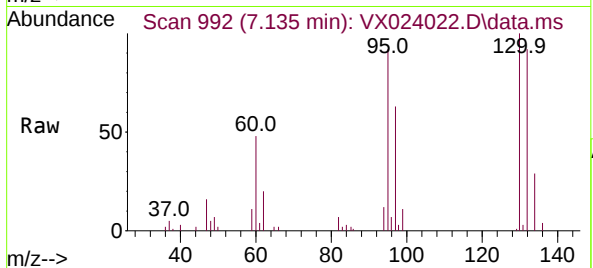




#44  
Trichloroethene  
Concen: 6.927 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

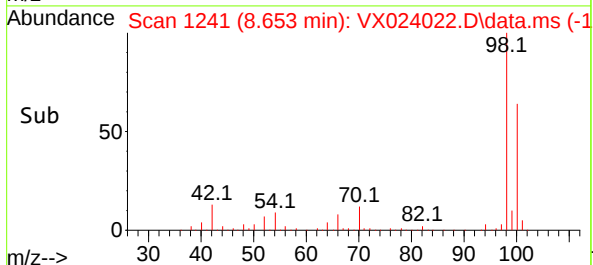
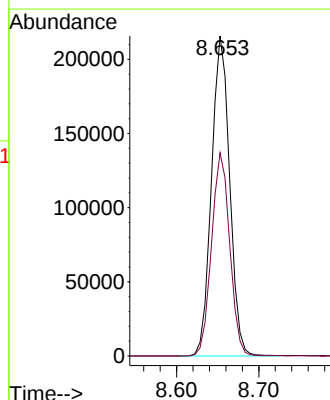
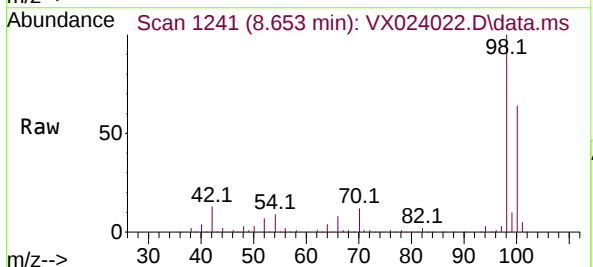
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

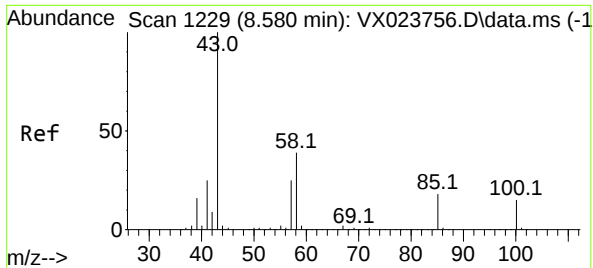
Tgt Ion:130 Resp: 14321  
Ion Ratio Lower Upper  
130 100  
95 92.1 0.0 198.0



#50  
Toluene-d8  
Concen: 48.006 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 98 Resp: 330515  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.9 77.9

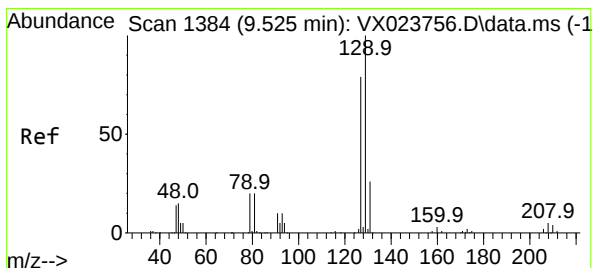
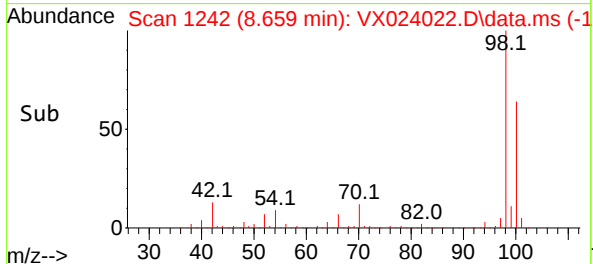
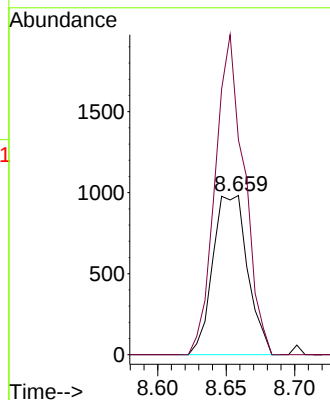
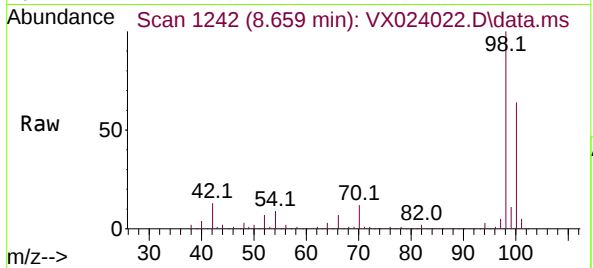




#51  
4-Methyl-2-Pentanone  
Concen: 0.553 ug/l  
RT: 8.659 min Scan# 1242  
Delta R.T. 0.079 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

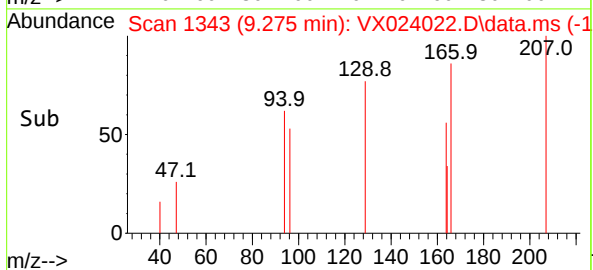
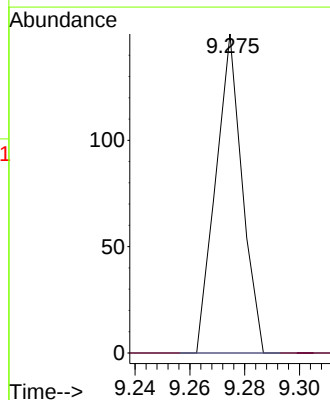
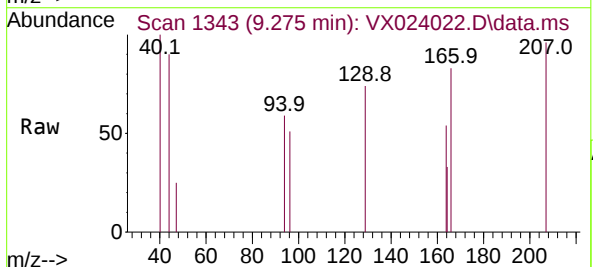
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

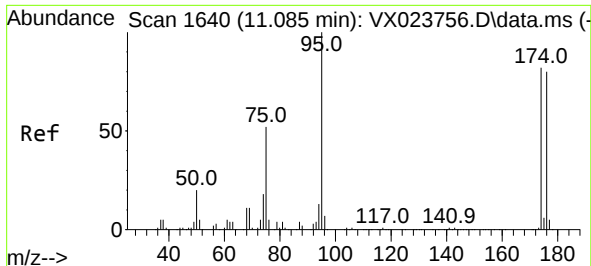
Tgt Ion: 43 Resp: 1741  
Ion Ratio Lower Upper  
43 100  
58 167.4 35.4 53.0#



#60  
Dibromochloromethane  
Concen: 1.732 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 129 Resp: 101  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

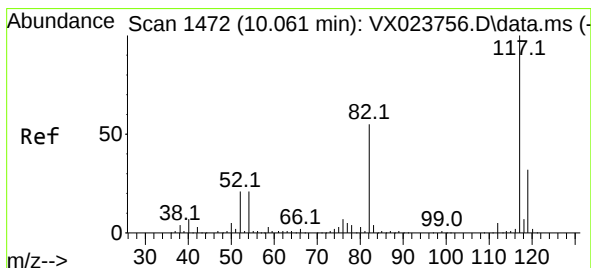
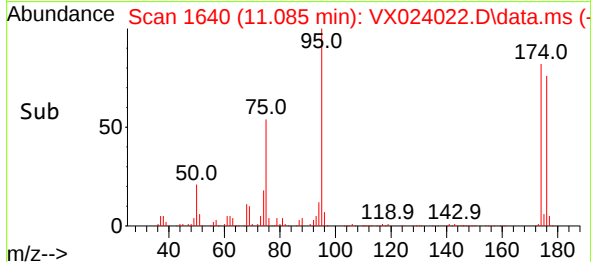
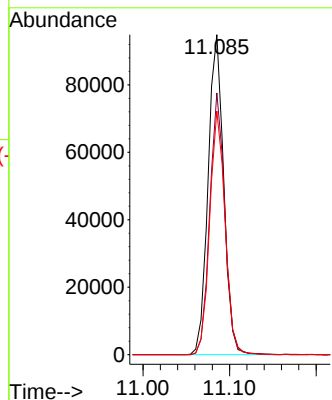
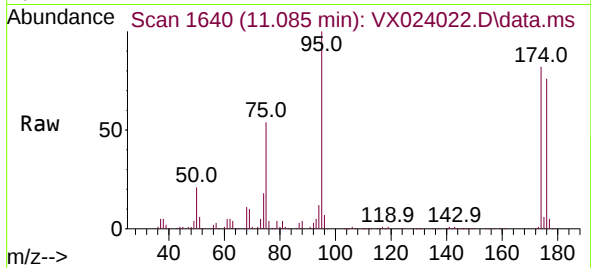




#62  
4-Bromofluorobenzene  
Concen: 46.793 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

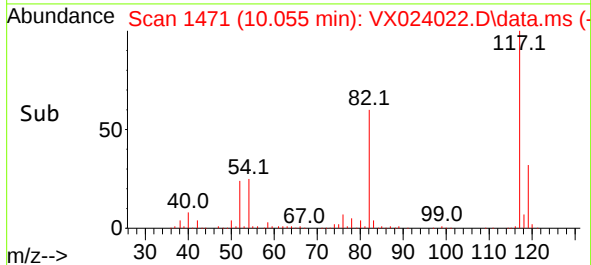
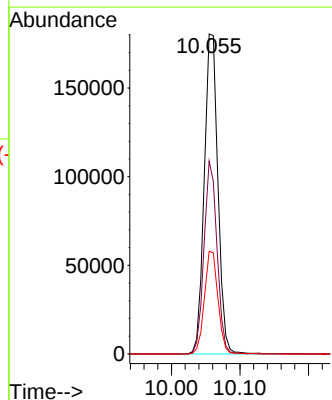
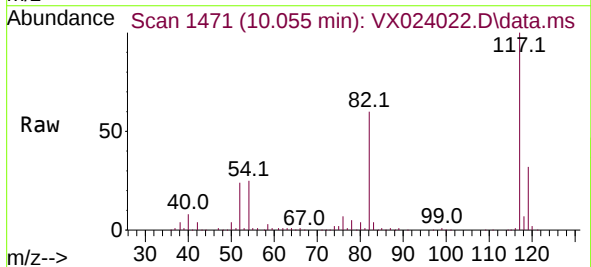
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

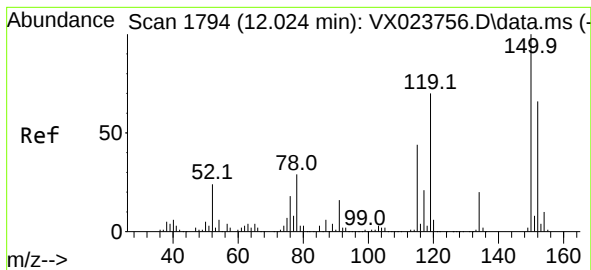
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 118595 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 79.3  | 0.0   | 154.6  |
| 176      | 74.9  | 0.0   | 155.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 251288 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.3  | 47.4  | 71.2   |
| 119      | 32.1  | 26.6  | 39.8   |

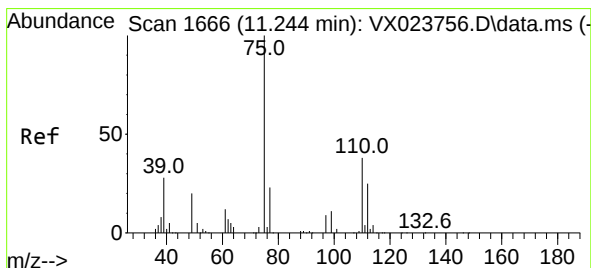
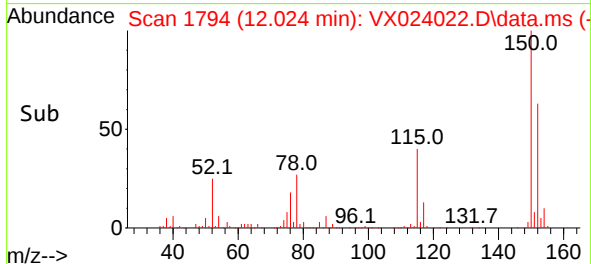
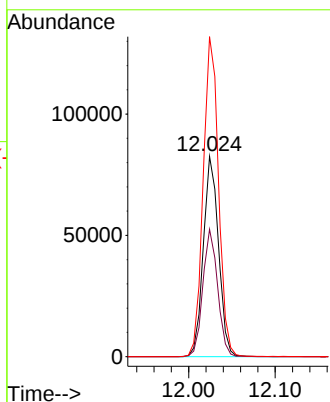
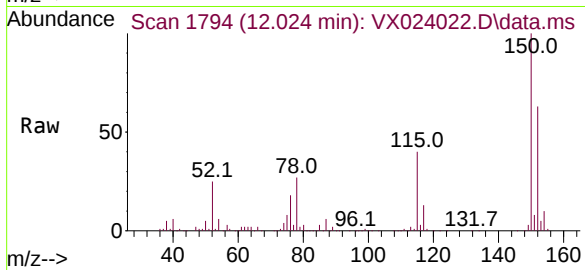




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

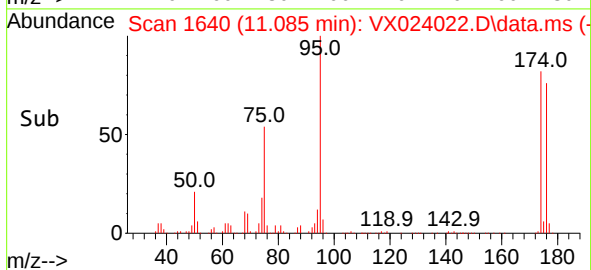
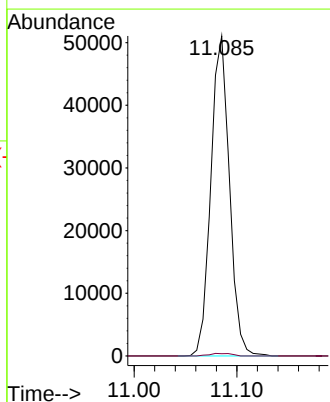
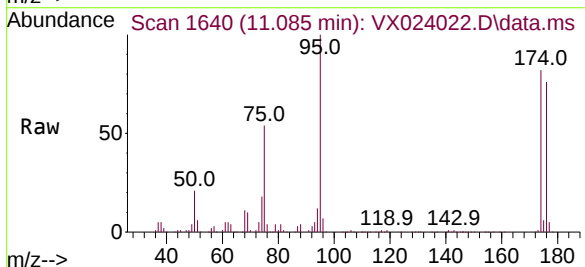
Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

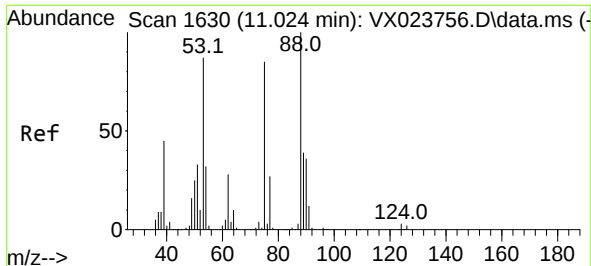
Tgt Ion:152 Resp: 100609  
Ion Ratio Lower Upper  
152 100  
115 61.8 41.1 123.3  
150 161.2 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 27.281 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 75 Resp: 64027  
Ion Ratio Lower Upper  
75 100  
77 0.9 19.1 57.5#

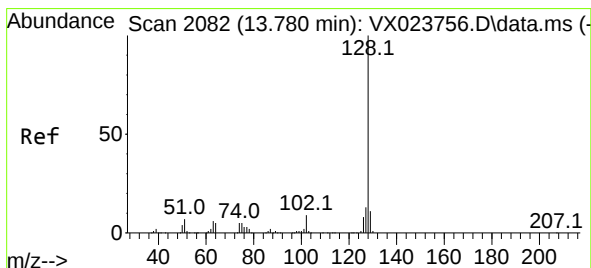
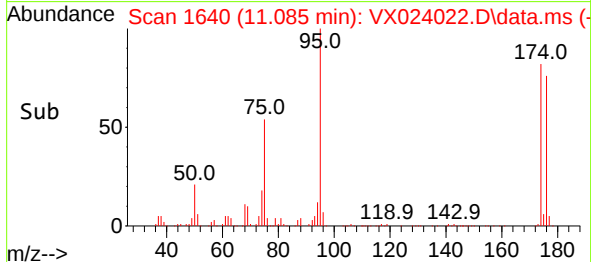
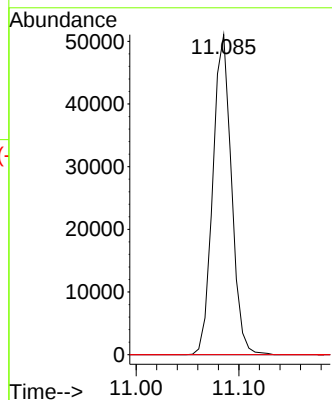
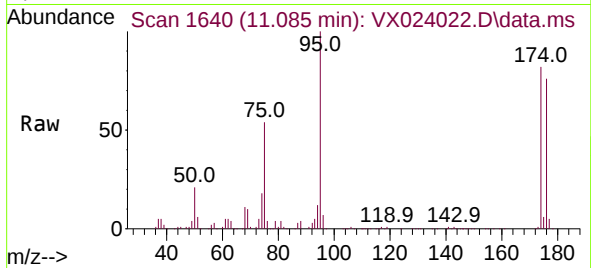




#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.248 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-118.5T-20210827

Tgt Ion: 75 Resp: 64027  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.286 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX024022.D  
Acq: 30 Aug 2021 18:14

Tgt Ion: 128 Resp: 25  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

