

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062821\  
 Data File : VX022989.D  
 Acq On : 28 Jun 2021 19:21  
 Operator : JC/MD  
 Sample : M2839-03 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW4-20210623

Quant Time: Jun 29 03:08:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

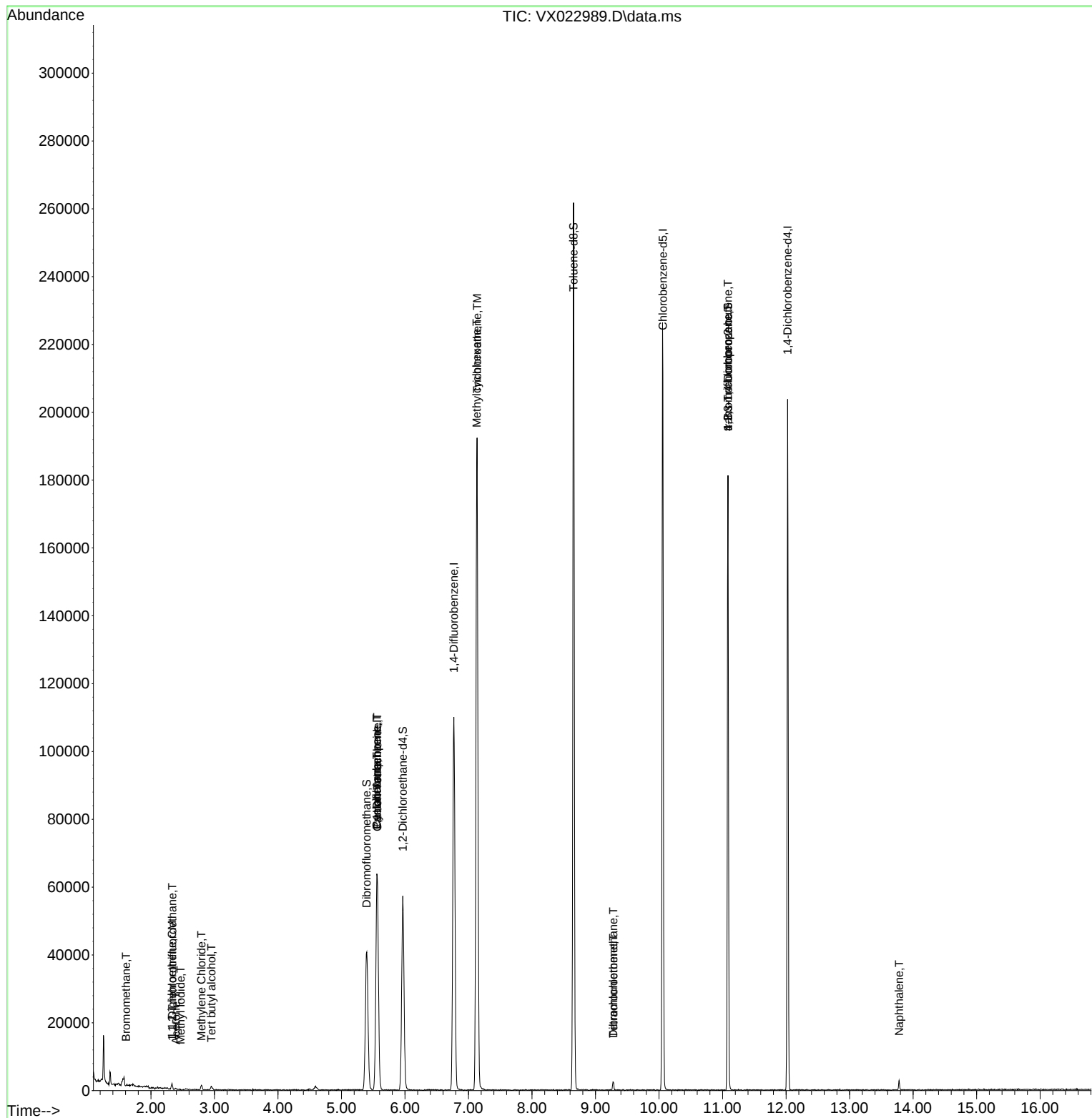
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.555  | 168   | 52918    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 104167   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061 | 117   | 94260    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 34559    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 51164    | 53.276   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 106.560% |
| 35) Dibromofluoromethane      | 5.397  | 113   | 35144    | 53.129   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 106.260% |
| 50) Toluene-d8                | 8.652  | 98    | 143116   | 55.204   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 110.400% |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 46588    | 48.151   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 96.300%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.605  | 94    | 120      | 0.288    | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.337  | 101   | 464      | 0.674    | ug/l # | 76       |
| 10) Methyl Iodide             | 2.465  | 142   | 20       | 3.901    | ug/l # | 42       |
| 11) Tert butyl alcohol        | 2.952  | 59    | 758      | 3.787    | ug/l # | 73       |
| 12) 1,1-Dichloroethene        | 2.330  | 96    | 185      | 0.269    | ug/l # | 87       |
| 16) Acetone                   | 2.391  | 43    | 376      | 0.883    | ug/l # | 40       |
| 20) Methylene Chloride        | 2.794  | 84    | 541      | 1.008    | ug/l # | 88       |
| 31) Cyclohexane               | 5.555  | 56    | 1764     | 1.301    | ug/l # | 48       |
| 36) 1,1-Dichloropropene       | 5.555  | 75    | 5630     | 5.088    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 6513     | 7.018    | ug/l # | 15       |
| 39) Methylcyclohexane         | 7.128  | 83    | 1109     | 0.859    | ug/l # | 1        |
| 44) Trichloroethene           | 7.134  | 130   | 65415    | 86.459   | ug/l   | 92       |
| 60) Dibromochloromethane      | 9.280  | 129   | 473      | 4.228    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.280  | 164   | 400      | 0.604    | ug/l # | 76       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 26633    | 29.176   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 26633    | 75.055   | ug/l # | 12       |
| 95) Naphthalene               | 13.780 | 128   | 1951     | 2.588    | ug/l # | 93       |
| -----                         |        |       |          |          |        |          |

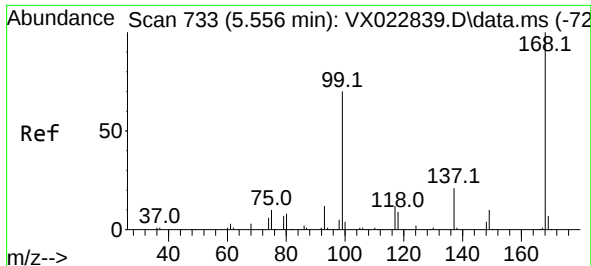
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062821\  
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Quant Title : SW846 8260  
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Response via : Initial Calibration

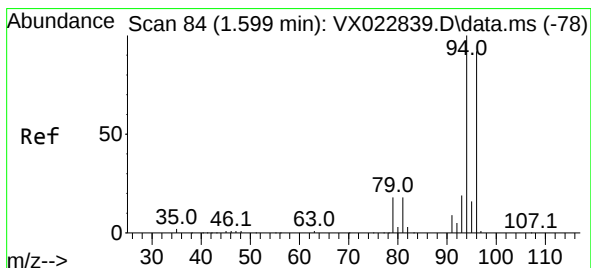
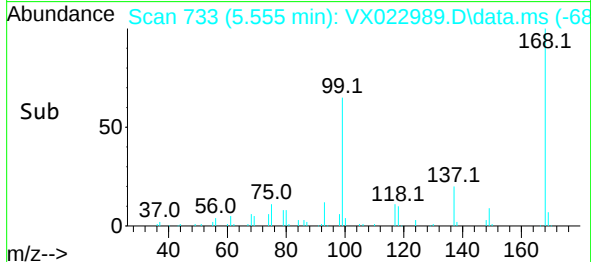
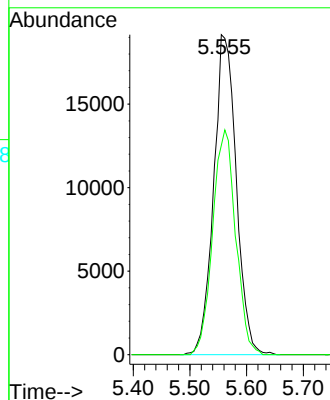
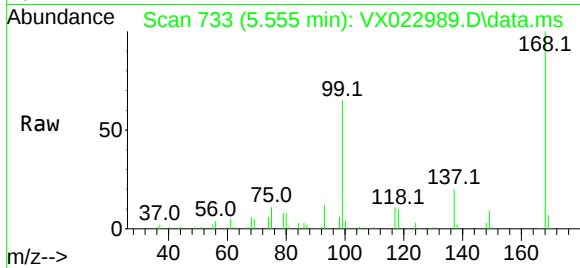




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.555 min Scan# 733  
Delta R.T. -0.001 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

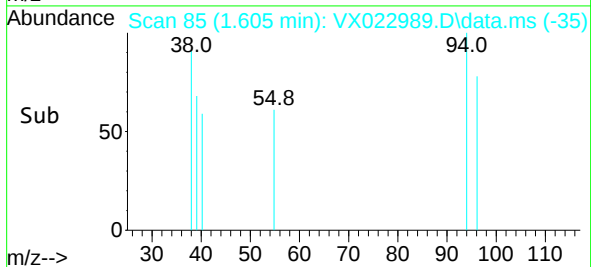
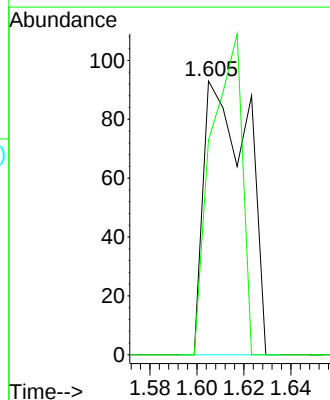
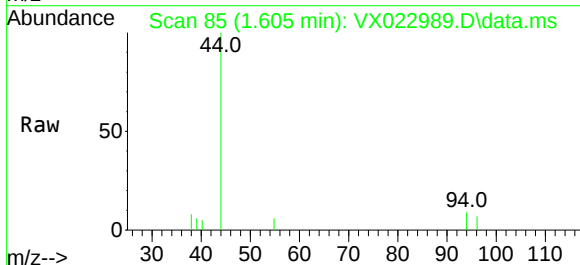
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

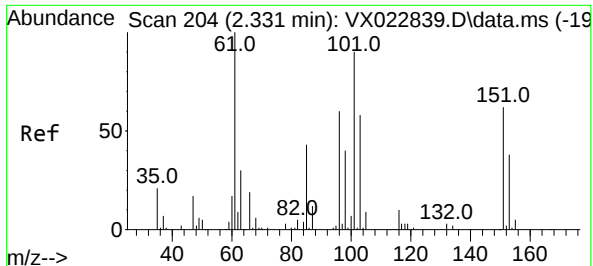
Tgt Ion:168 Resp: 52918  
Ion Ratio Lower Upper  
168 100  
99 65.4 45.8 68.6



#5  
Bromomethane  
Concen: 0.288 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. 0.006 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Tgt Ion: 94 Resp: 120  
Ion Ratio Lower Upper  
94 100  
96 78.5 76.4 114.6

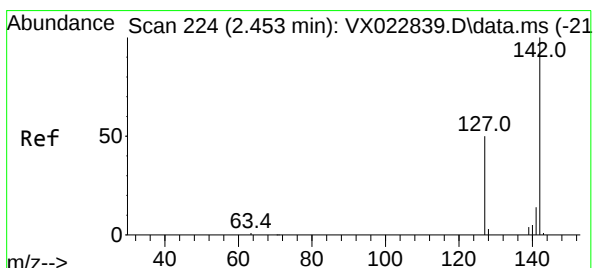
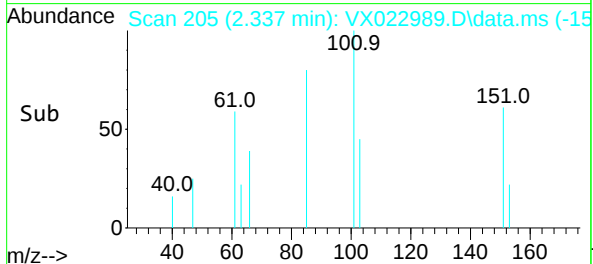
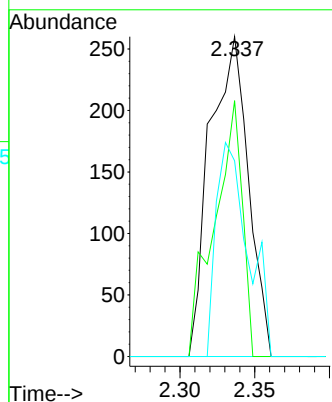
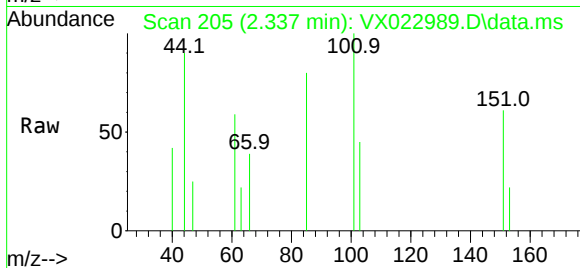




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.674 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.006 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

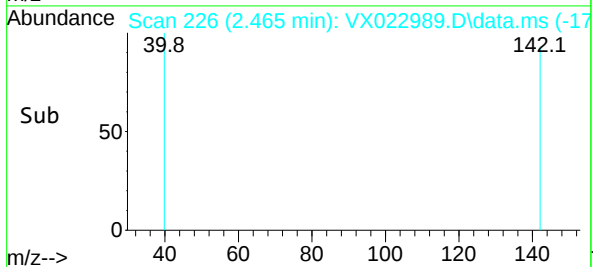
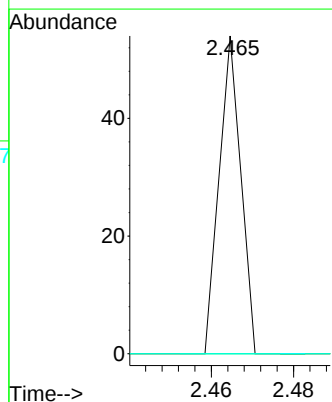
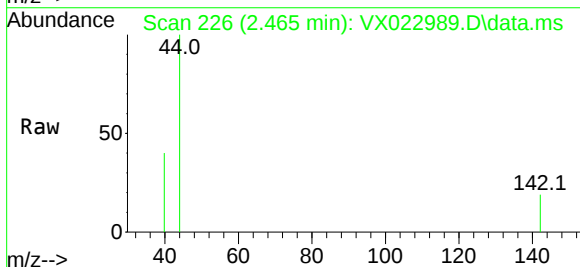
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

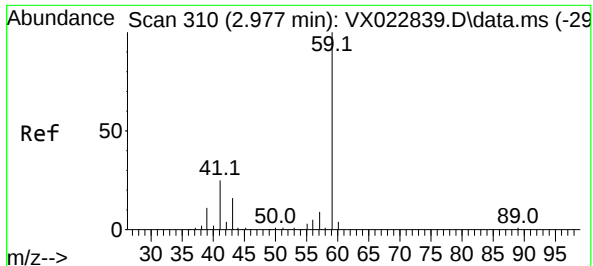
Tgt Ion:101 Resp: 464  
Ion Ratio Lower Upper  
101 100  
85 58.4 34.9 52.3#  
151 55.6 61.4 92.2#



#10  
Methyl Iodide  
Concen: 3.901 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Tgt Ion:142 Resp: 20  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#



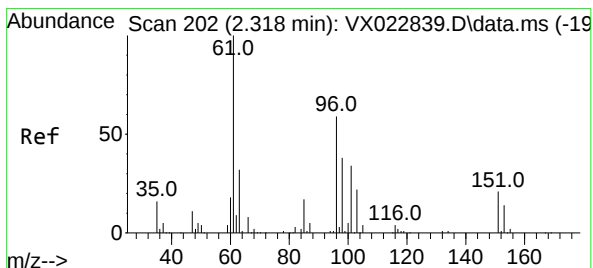
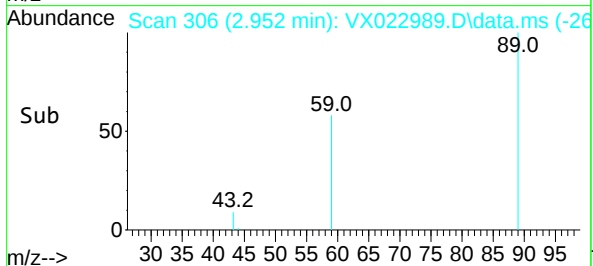
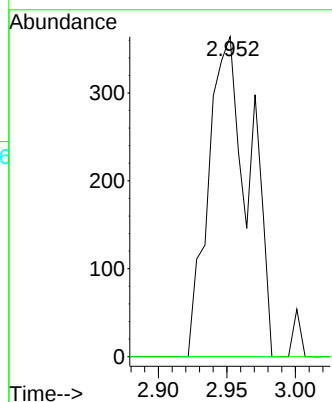
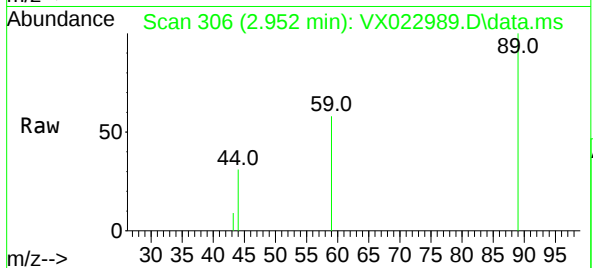


#11

Tert butyl alcohol  
Concen: 3.787 ug/l  
RT: 2.952 min Scan# 306  
Delta R.T. -0.025 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

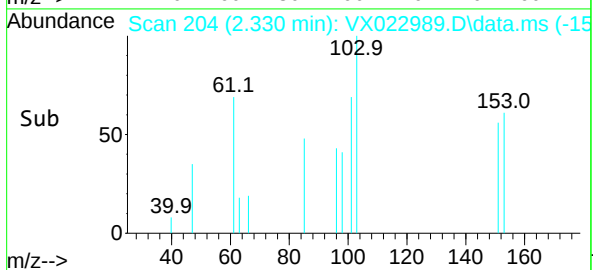
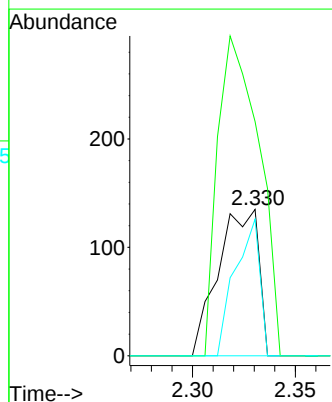
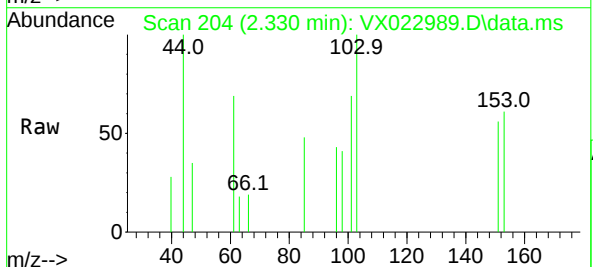
Tgt Ion: 59 Resp: 758  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

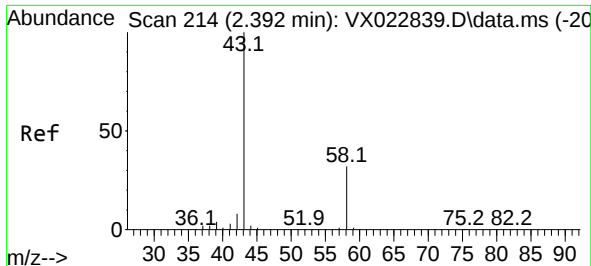


#12

1,1-Dichloroethene  
Concen: 0.269 ug/l  
RT: 2.330 min Scan# 204  
Delta R.T. 0.012 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

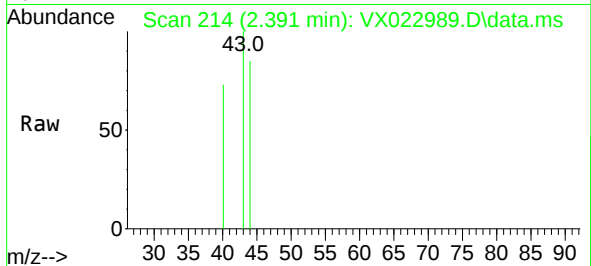
Tgt Ion: 96 Resp: 185  
Ion Ratio Lower Upper  
96 100  
61 160.0 124.6 187.0  
98 93.3 50.6 76.0#



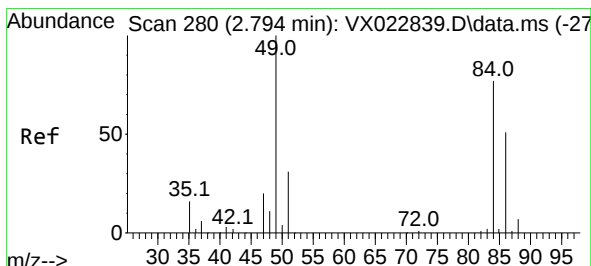
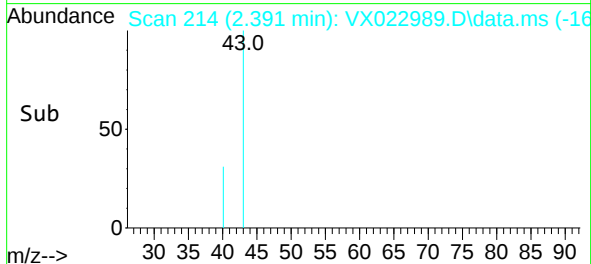
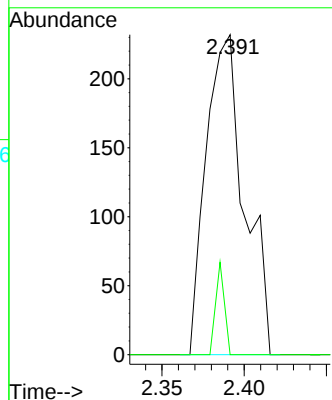


#16  
Acetone  
Concen: 0.883 ug/l  
RT: 2.391 min Scan# 214  
Delta R.T. -0.001 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
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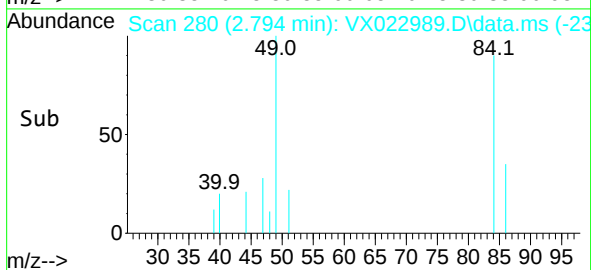
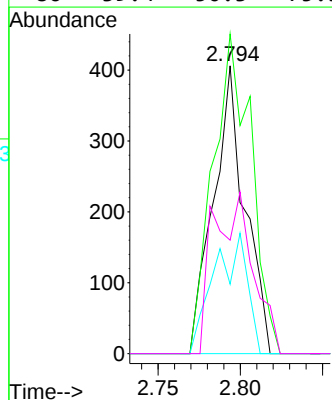
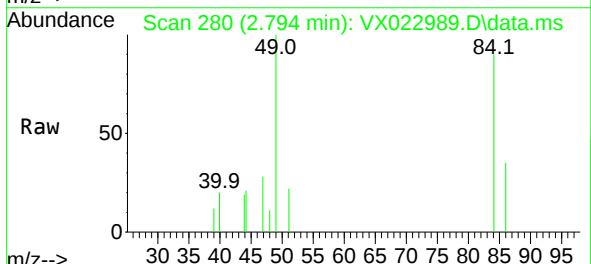


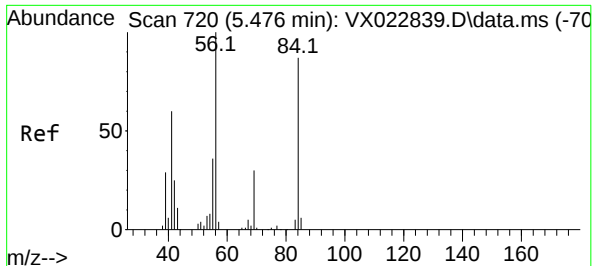
Tgt Ion: 43 Resp: 376  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#



#20  
Methylene Chloride  
Concen: 1.008 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. -0.000 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

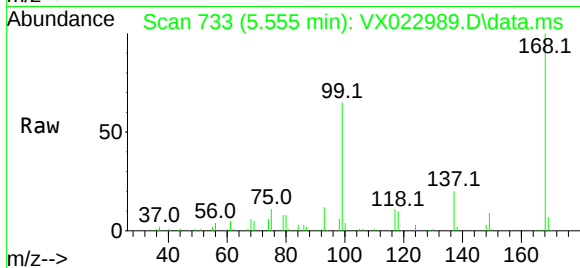
Tgt Ion: 84 Resp: 541  
Ion Ratio Lower Upper  
84 100  
49 111.1 88.6 132.8  
51 24.1 27.0 40.6#  
86 39.4 50.3 75.5#



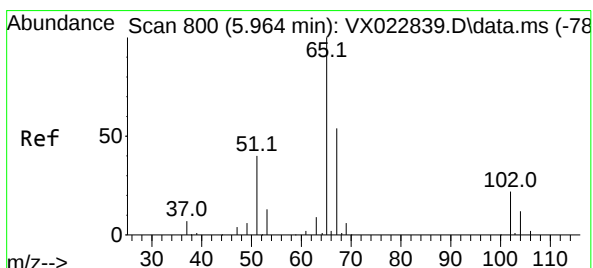
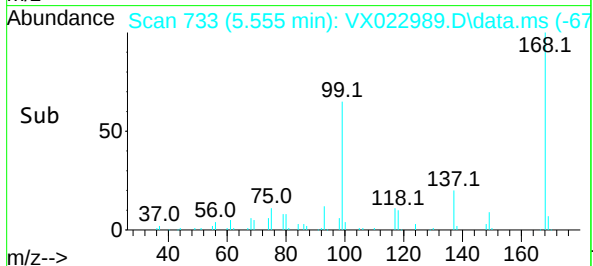
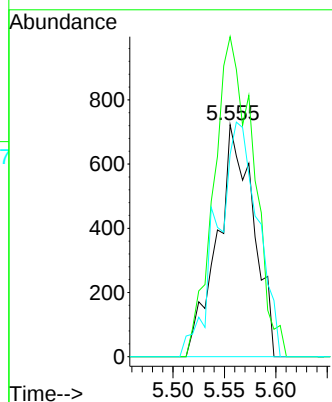


#31  
Cyclohexane  
Concen: 1.301 ug/l  
RT: 5.555 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

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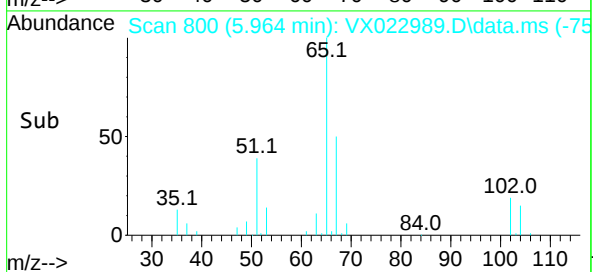
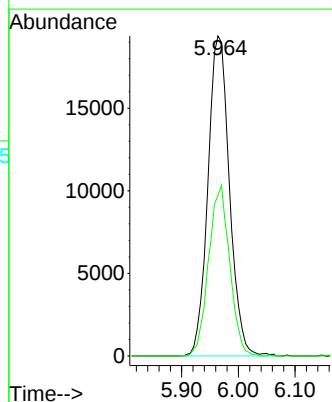
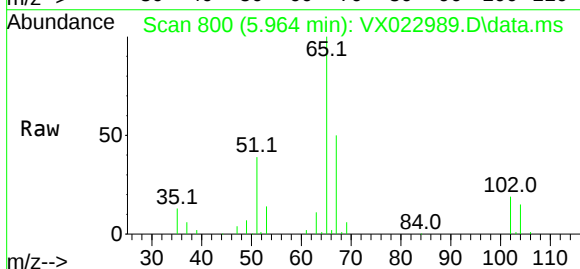


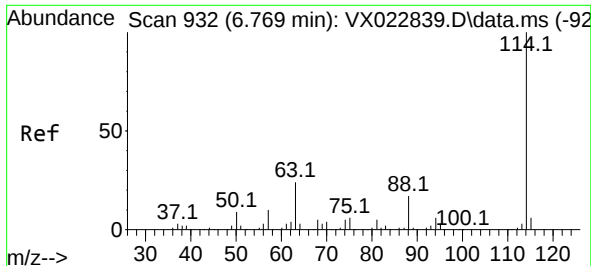
Tgt Ion: 56 Resp: 1764  
Ion Ratio Lower Upper  
56 100  
69 137.9 25.3 37.9#  
84 87.1 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.276 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Tgt Ion: 65 Resp: 51164  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 105.4

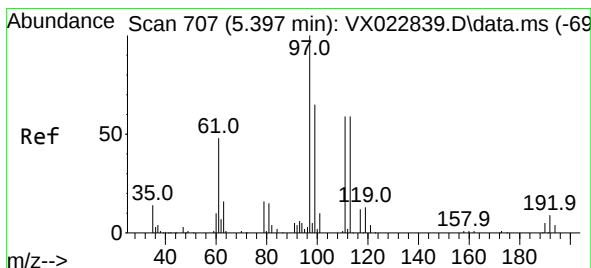
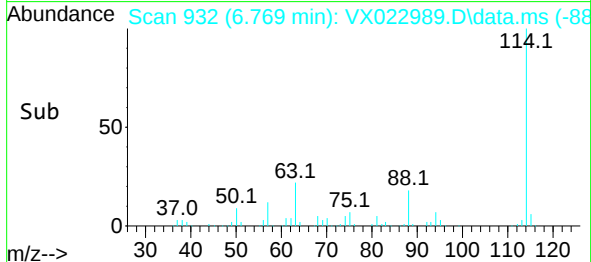
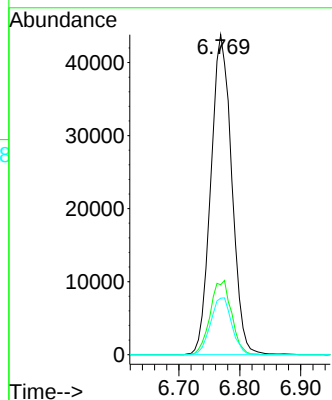
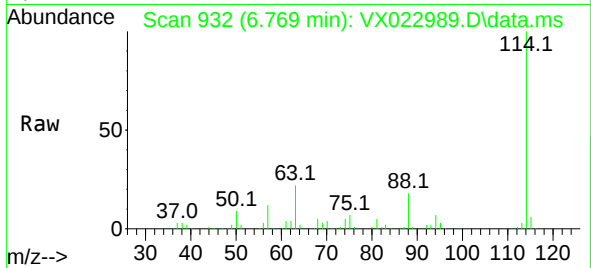




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

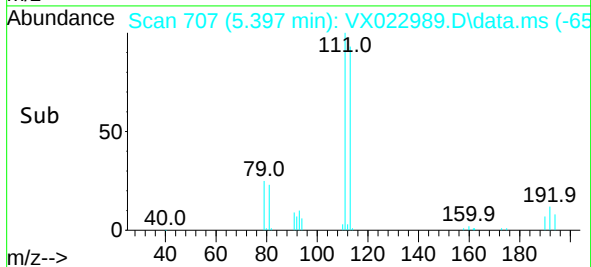
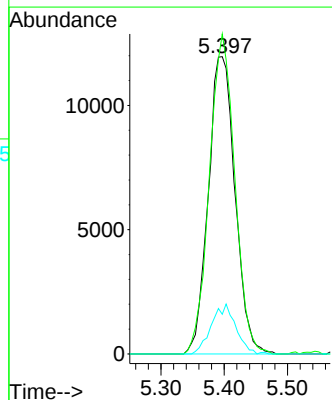
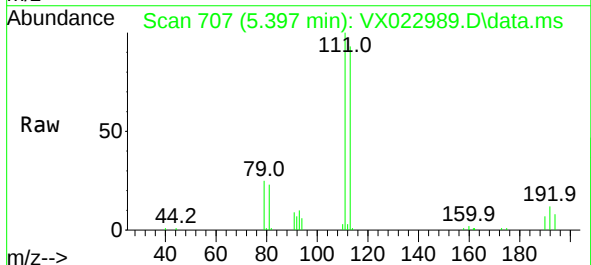
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

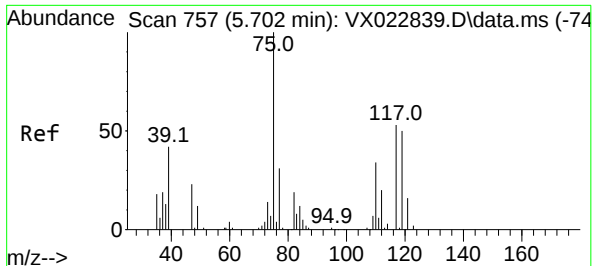
Tgt Ion:114 Resp: 104167  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 40.8  
88 17.7 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 53.129 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. -0.000 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Tgt Ion:113 Resp: 35144  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.9 122.9  
192 15.3 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.088 ug/l

RT: 5.555 min Scan# 733

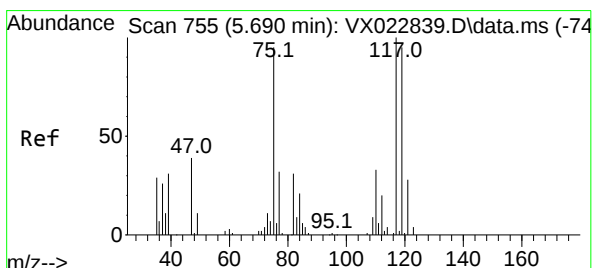
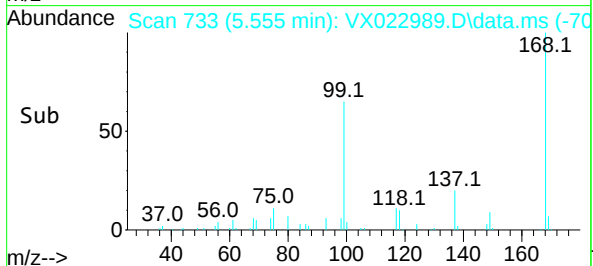
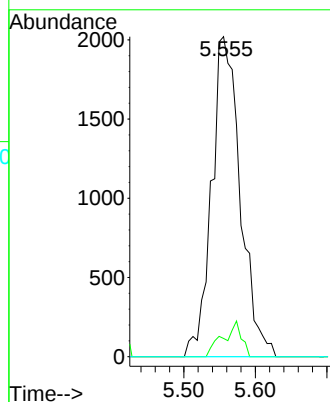
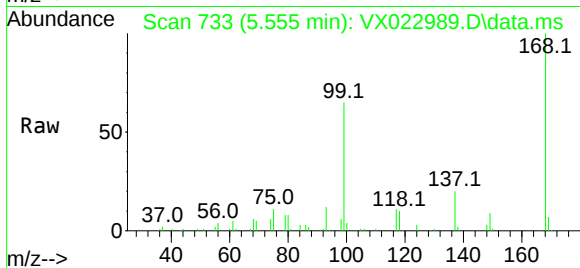
Delta R.T. -0.147 min

Lab File: VX022989.D

Acq: 28 Jun 2021 19:21

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 5630  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 7.1     | 18.1 54.4#  |
| 77 0.0      | 25.3 37.9#  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623



#38

Carbon Tetrachloride

Concen: 7.018 ug/l

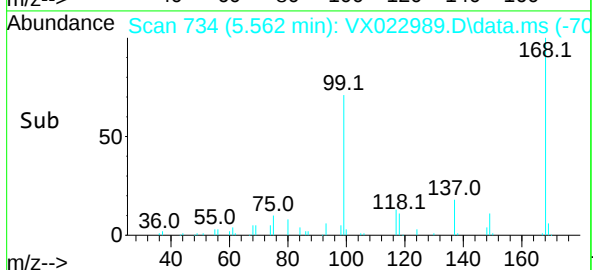
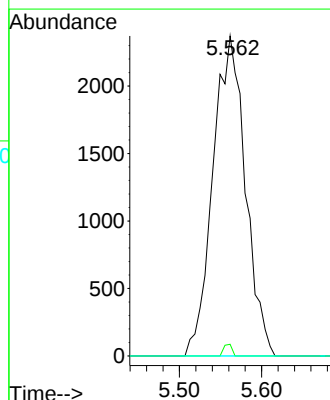
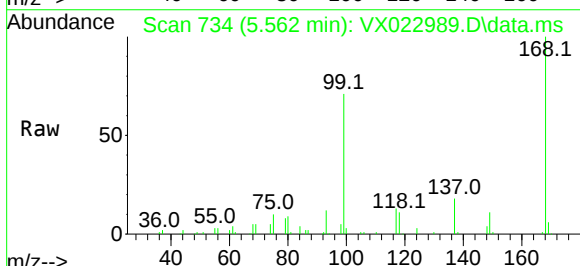
RT: 5.562 min Scan# 734

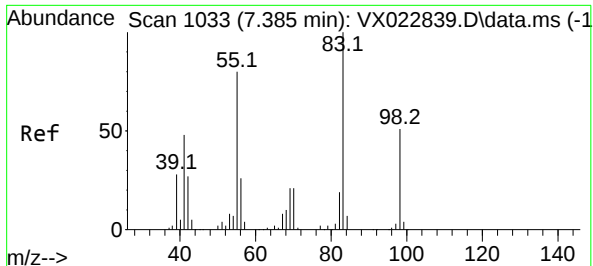
Delta R.T. -0.128 min

Lab File: VX022989.D

Acq: 28 Jun 2021 19:21

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 6513  |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 3.7      | 76.2 114.2# |
| 121 0.0      | 24.8 37.2#  |





#39

Methylcyclohexane

Concen: 0.859 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.257 min

Lab File: VX022989.D

Acq: 28 Jun 2021 19:21

Tgt Ion: 83 Resp: 1109

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

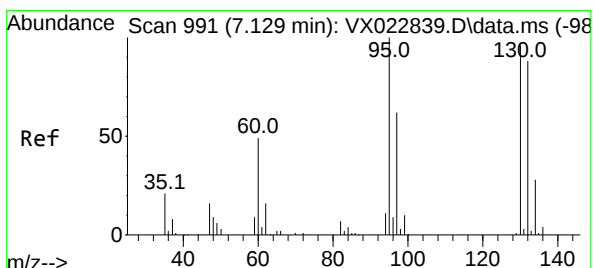
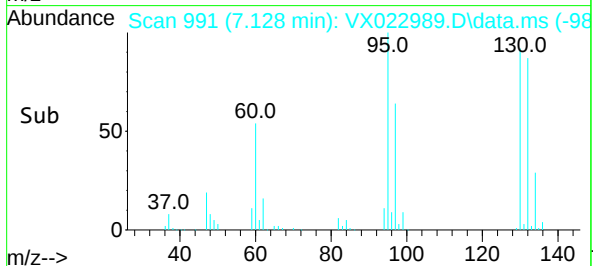
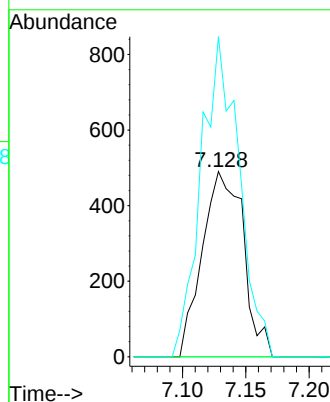
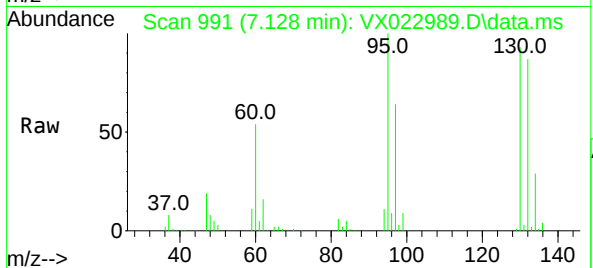
98 172.9 38.1 57.1#

Instrument :

MSVOA\_X

ClientSampleId :

RW4-20210623



#44

Trichloroethene

Concen: 86.459 ug/l

RT: 7.134 min Scan# 992

Delta R.T. 0.005 min

Lab File: VX022989.D

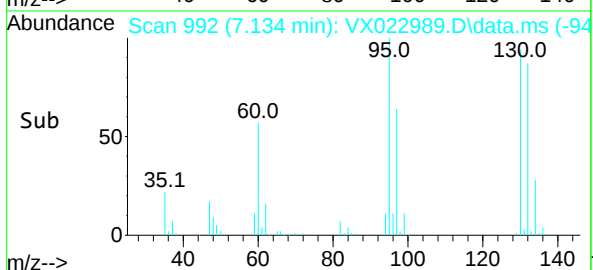
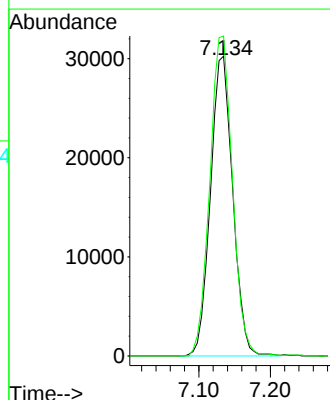
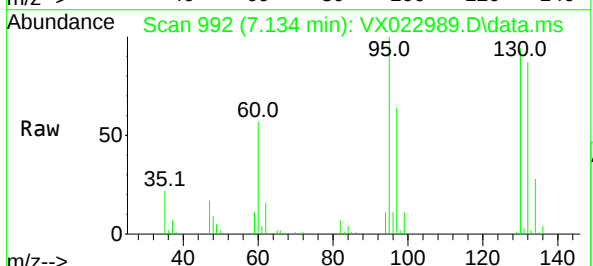
Acq: 28 Jun 2021 19:21

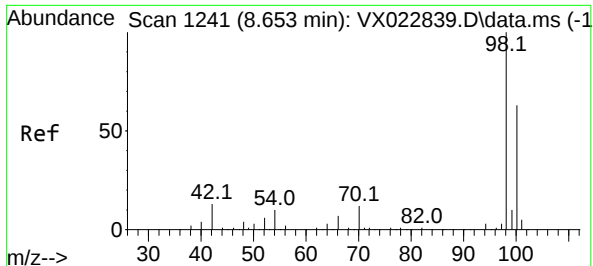
Tgt Ion:130 Resp: 65415

Ion Ratio Lower Upper

130 100

95 106.7 0.0 198.0





#50

Toluene-d8

Concen: 55.204 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX022989.D

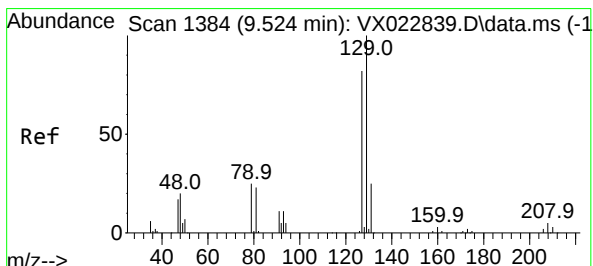
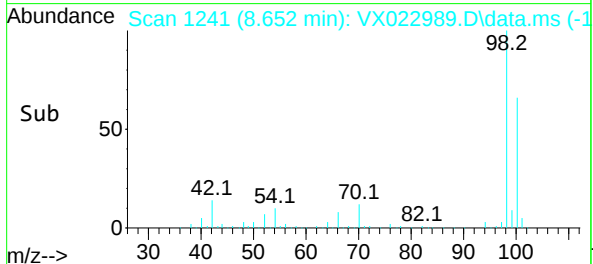
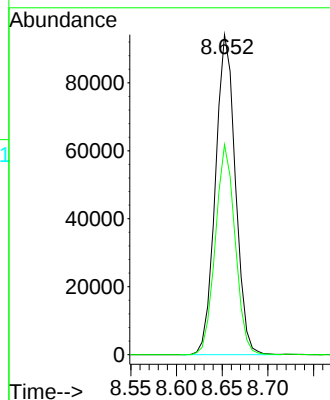
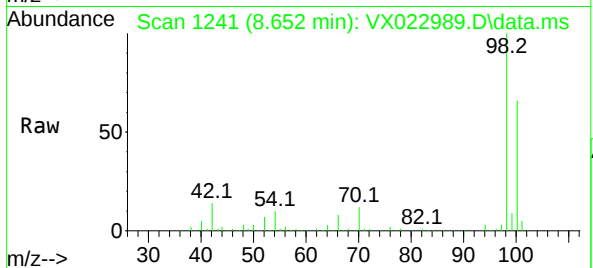
Acq: 28 Jun 2021 19:21

Tgt Ion: 98 Resp: 143116

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#60

Dibromochloromethane

Concen: 4.228 ug/l

RT: 9.280 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX022989.D

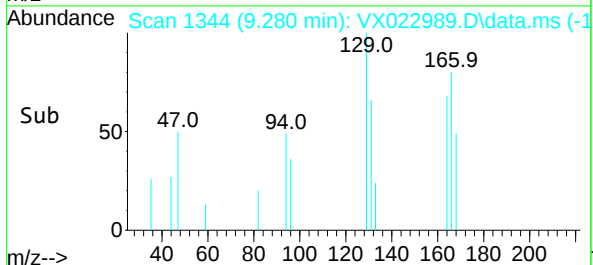
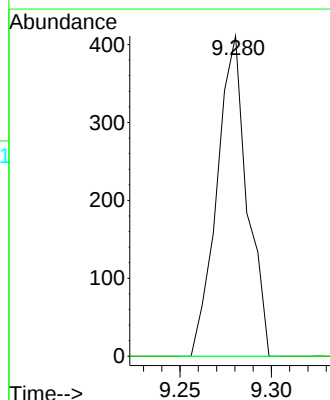
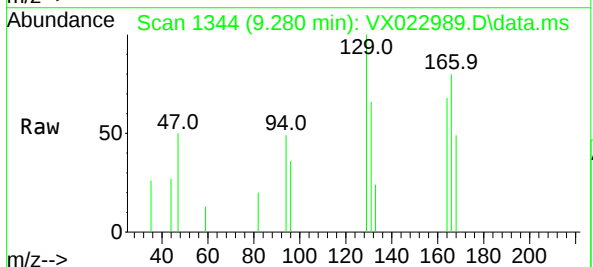
Acq: 28 Jun 2021 19:21

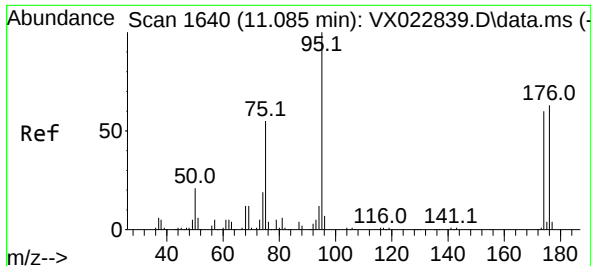
Tgt Ion: 129 Resp: 473

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

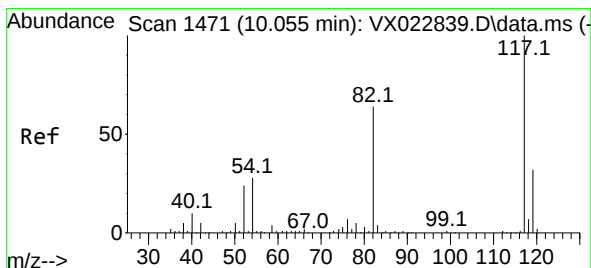
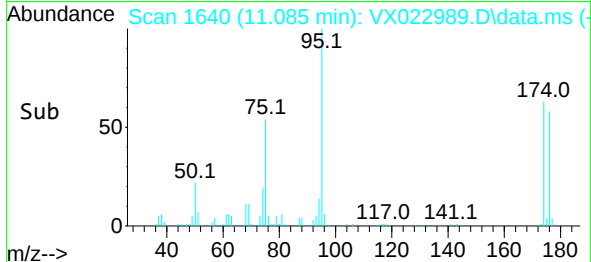
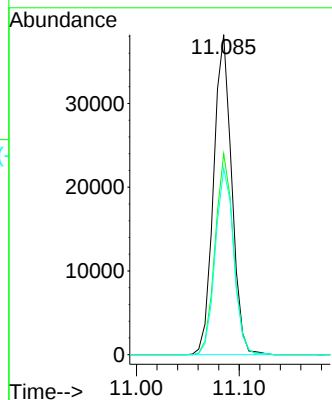
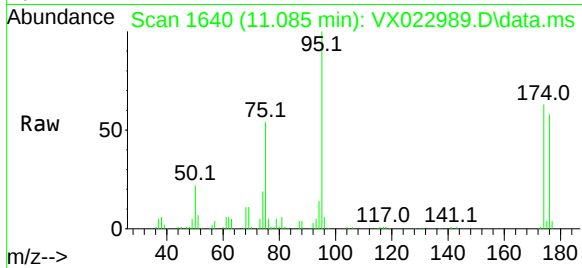




#62  
4-Bromofluorobenzene  
Concen: 48.151 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.000 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

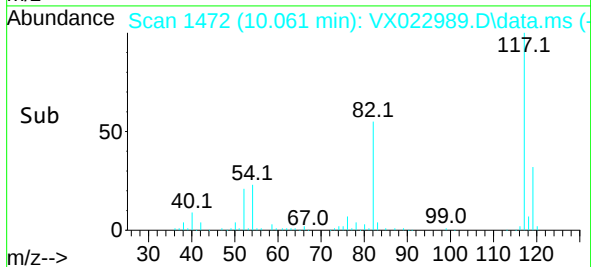
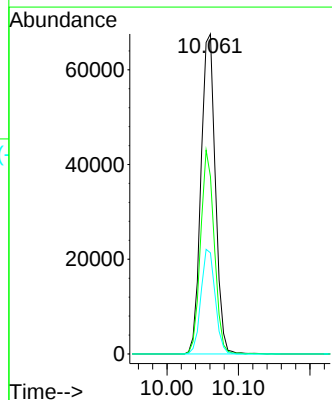
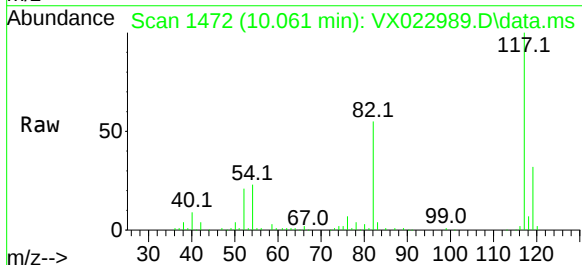
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

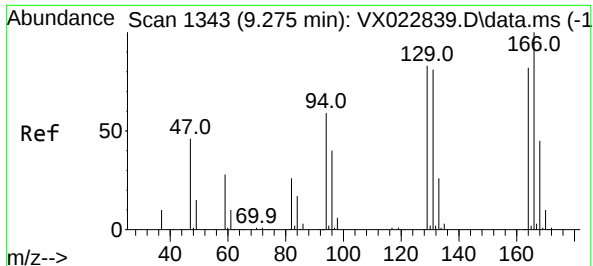
Tgt Ion: 95 Resp: 46588  
Ion Ratio Lower Upper  
95 100  
174 63.1 0.0 154.6  
176 59.2 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.006 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Tgt Ion: 117 Resp: 94260  
Ion Ratio Lower Upper  
117 100  
82 55.5 47.4 71.2  
119 31.6 26.6 39.8

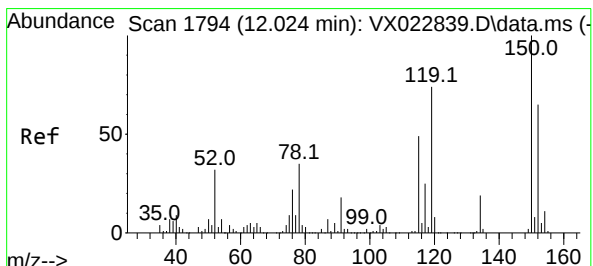
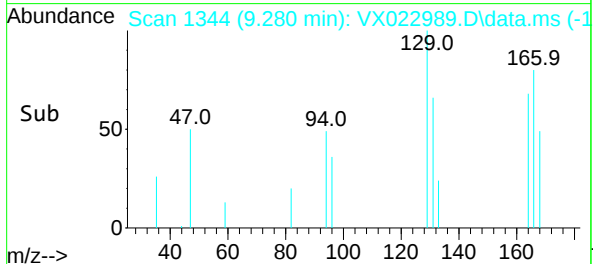
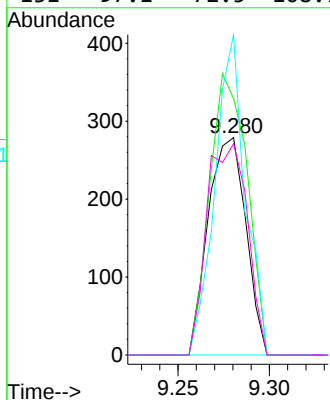
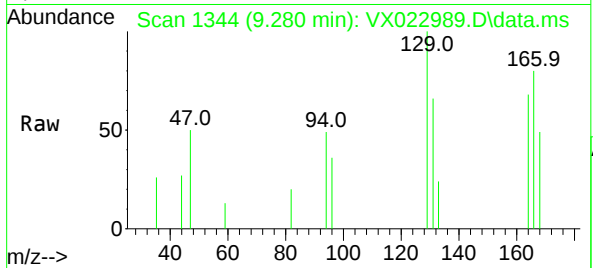




#64  
Tetrachloroethene  
Concen: 0.604 ug/l  
RT: 9.280 min Scan# 1344  
Delta R.T. 0.005 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

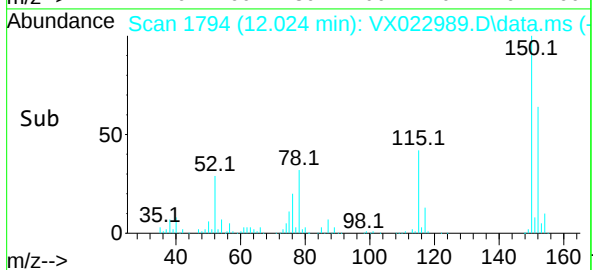
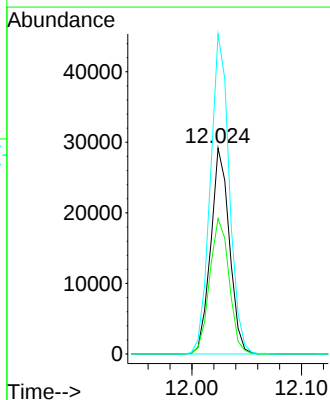
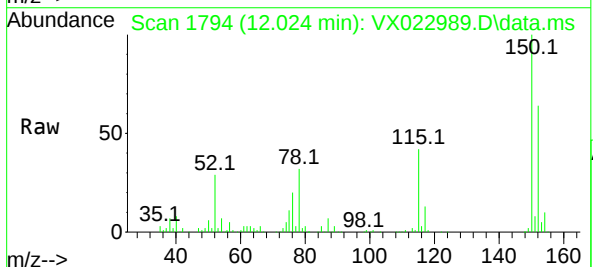
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

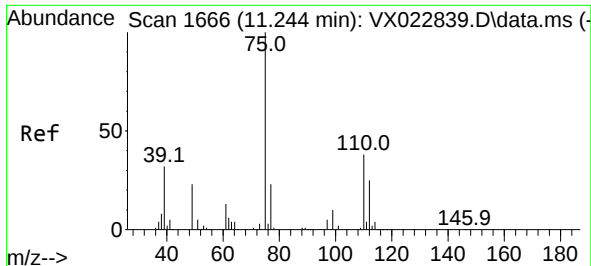
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 400    |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 117.9 | 103.4 | 155.2  |
| 129      | 147.3 | 70.8  | 106.2# |
| 131      | 97.1  | 72.5  | 108.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 34559 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 68.2  | 41.1  | 123.3 |
| 150      | 157.7 | 0.0   | 349.0 |

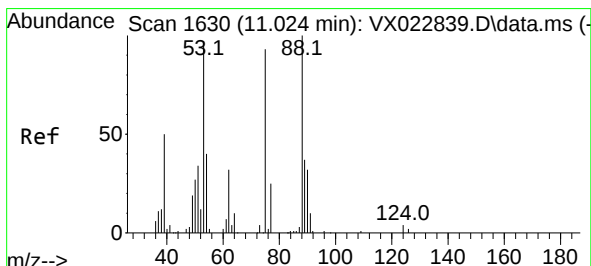
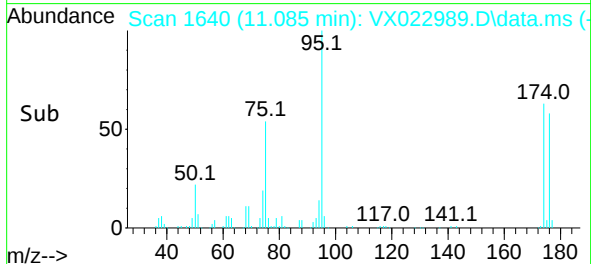
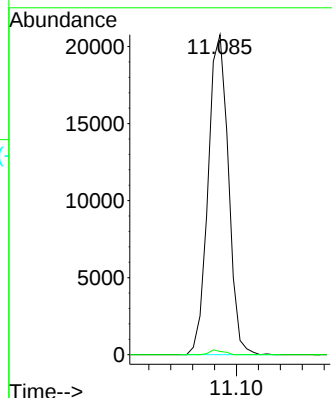
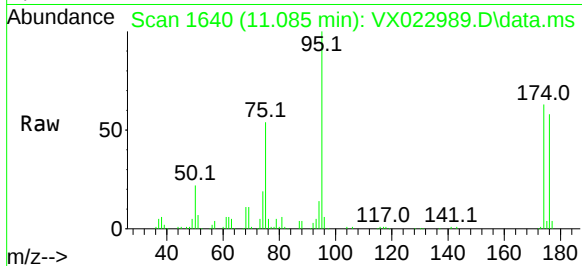




#76  
1,2,3-Trichloropropane  
Concen: 29.176 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

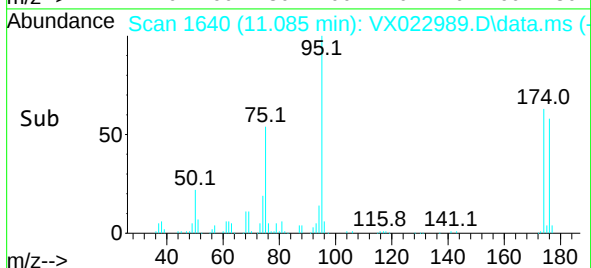
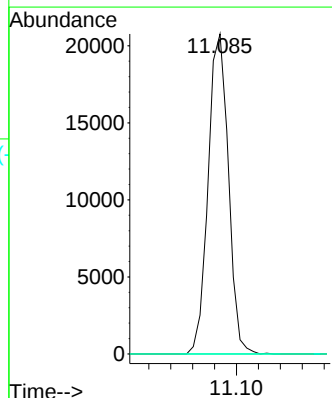
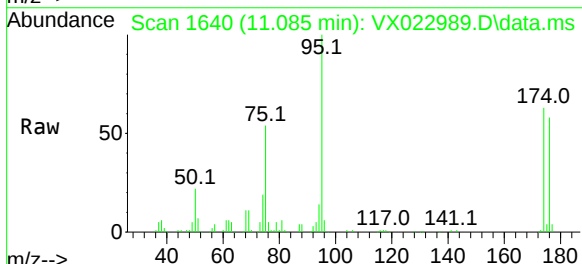
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

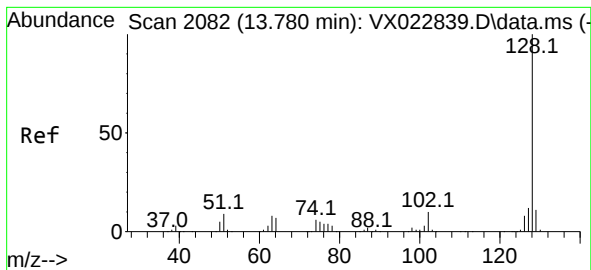
Tgt Ion: 75 Resp: 26633  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.055 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Tgt Ion: 75 Resp: 26633  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#





#95  
Naphthalene  
Concen: 2.588 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX022989.D  
Acq: 28 Jun 2021 19:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW4-20210623

Tgt Ion:128 Resp: 1951  
Ion Ratio Lower Upper  
128 100  
127 8.5 10.3 15.5#  
129 11.6 8.8 13.2

