

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072321\  
 Data File : VX023434.D  
 Acq On : 23 Jul 2021 19:20  
 Operator : JC/MD  
 Sample : M3145-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 24 03:46:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

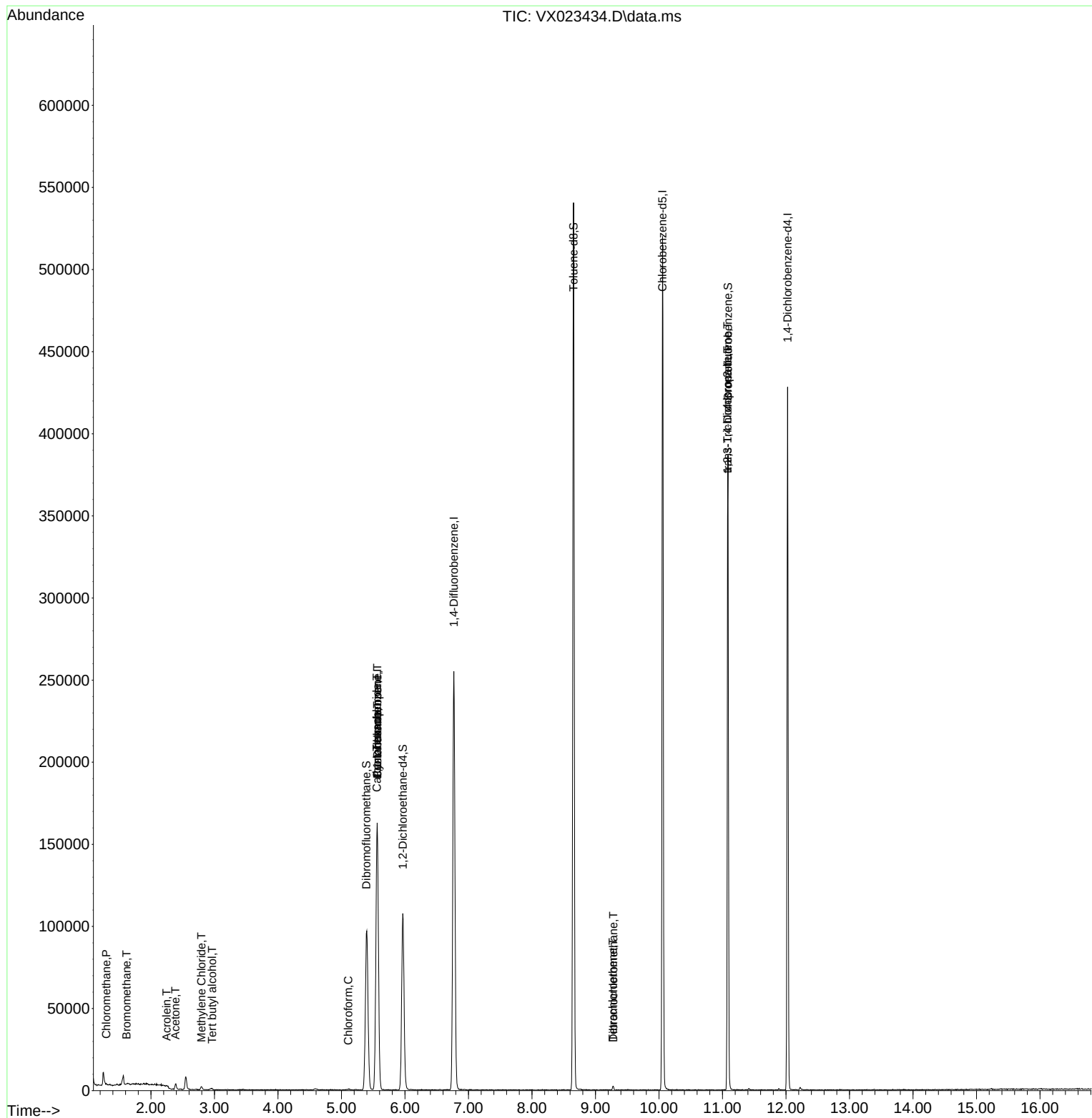
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 156639   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 263877   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 230200   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 87282    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 102465   | 52.440   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 104.880% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 84783    | 51.387   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 102.780% |          |
| 50) Toluene-d8                | 8.653  | 98    | 313210   | 51.670   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 103.340% |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 98572    | 47.822   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 95.640%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.295  | 50    | 509      | 0.303    | ug/l #     | 75       |
| 5) Bromomethane               | 1.618  | 94    | 341      | 0.338    | ug/l       | 88       |
| 11) Tert butyl alcohol        | 2.965  | 59    | 618      | 1.385    | ug/l #     | 73       |
| 13) Acrolein                  | 2.246  | 56    | 42       | 1.548    | ug/l #     | 1        |
| 16) Acetone                   | 2.386  | 43    | 3528     | 3.681    | ug/l       | 92       |
| 20) Methylene Chloride        | 2.794  | 84    | 868      | 0.466    | ug/l #     | 94       |
| 30) Chloroform                | 5.105  | 83    | 707      | 0.228    | ug/l #     | 65       |
| 31) Cyclohexane               | 5.562  | 56    | 3254     | 1.124    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 12211    | 5.116    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 15095    | 6.218    | ug/l #     | 16       |
| 60) Dibromochloromethane      | 9.281  | 129   | 356      | 2.157    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 463      | 0.253    | ug/l #     | 72       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 50097    | 26.083   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 50097    | 70.133   | ug/l #     | 12       |
| -----                         |        |       |          |          |            |          |

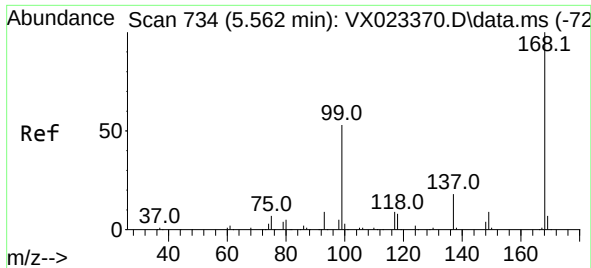
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072321\  
Data File : VX023434.D  
Acq On : 23 Jul 2021 19:20  
Operator : JC/MD  
Sample : M3145-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 24 03:46:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:05:38 2021  
Response via : Initial Calibration

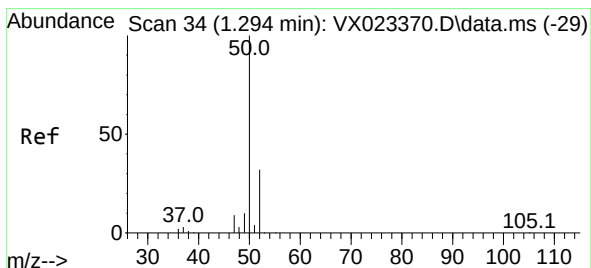
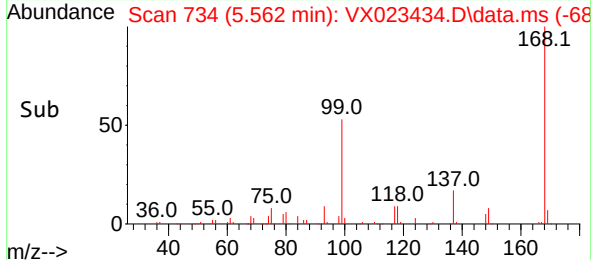
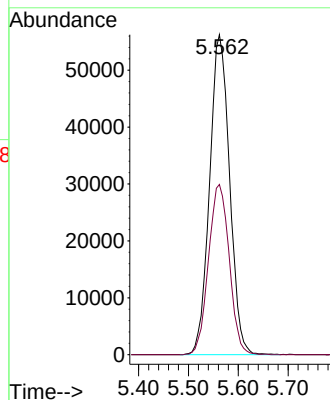
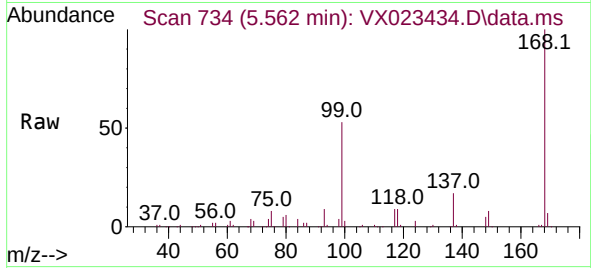




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

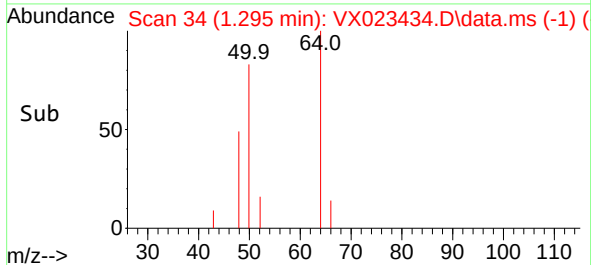
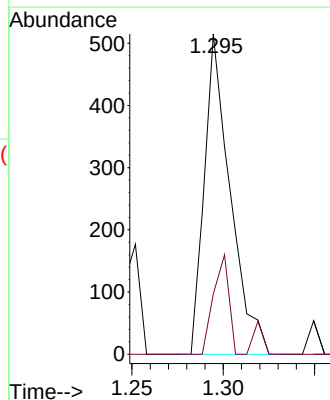
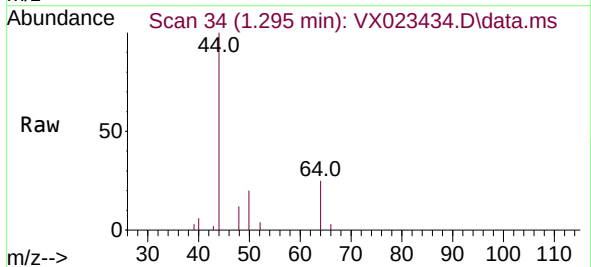
Instrument :  
MSVOA\_X  
ClientSampled :

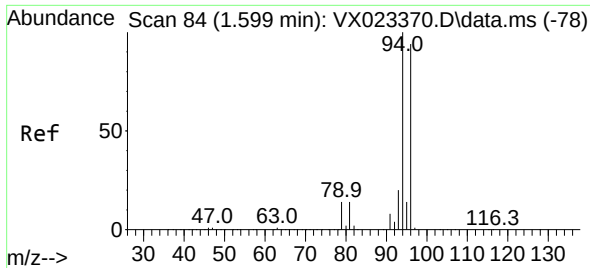
Tgt Ion:168 Resp: 156639  
Ion Ratio Lower Upper  
168 100  
99 53.2 45.8 68.6



#3  
Chloromethane  
Concen: 0.303 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.001 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Tgt Ion: 50 Resp: 509  
Ion Ratio Lower Upper  
50 100  
52 18.8 26.4 39.6#

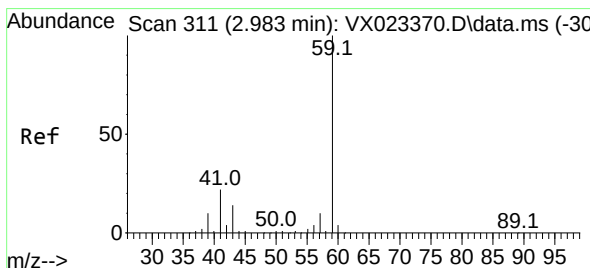
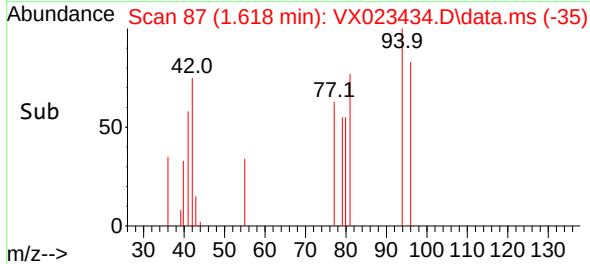
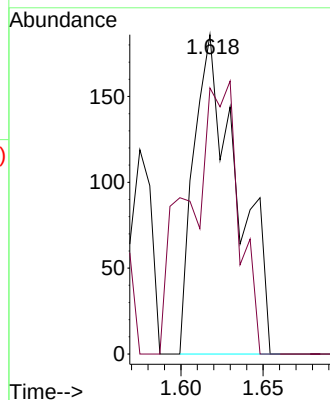
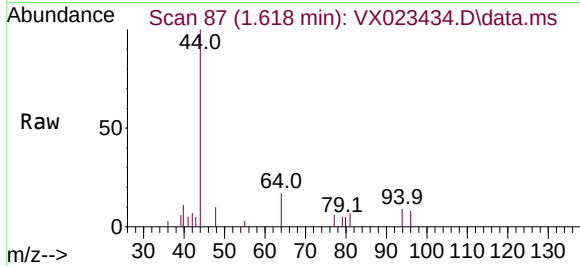




#5  
Bromomethane  
Concen: 0.338 ug/l  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

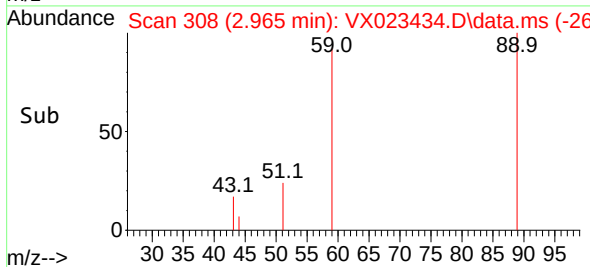
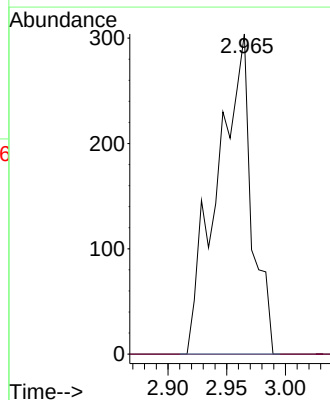
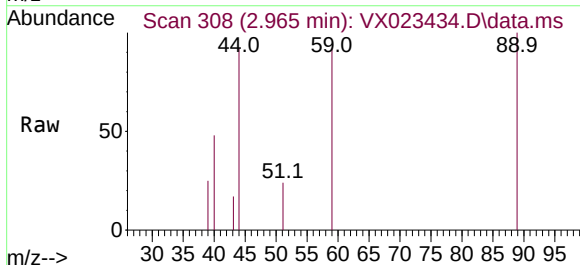
Instrument :  
MSVOA\_X  
ClientSampleId :

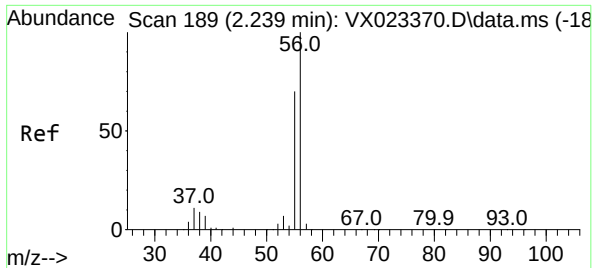
Tgt Ion: 94 Resp: 341  
Ion Ratio Lower Upper  
94 100  
96 83.3 76.4 114.6



#11  
Tert butyl alcohol  
Concen: 1.385 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.018 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Tgt Ion: 59 Resp: 618  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

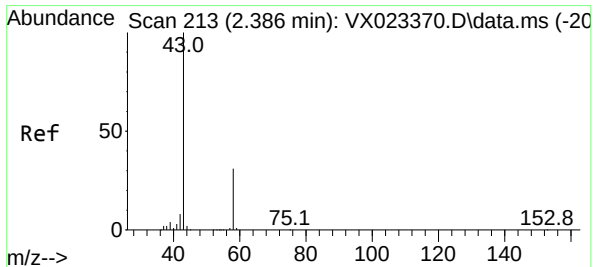
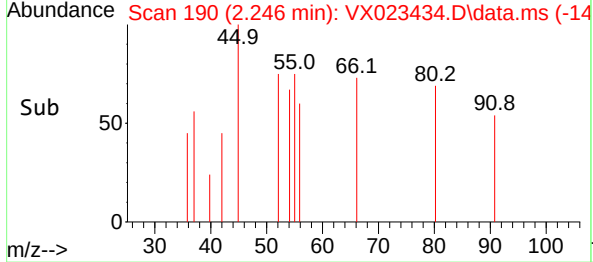
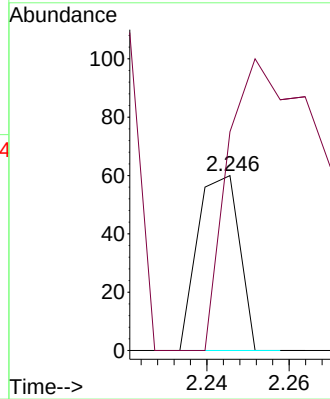
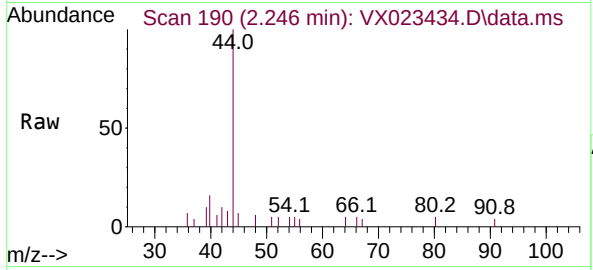




#13  
Acrolein  
Concen: 1.548 ug/l  
RT: 2.246 min Scan# 190  
Delta R.T. 0.007 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

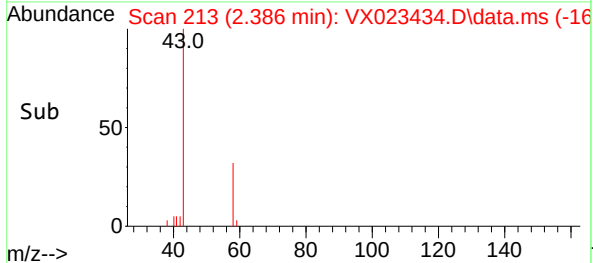
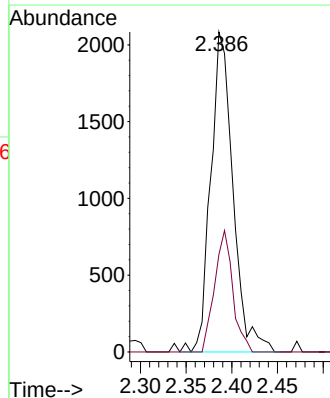
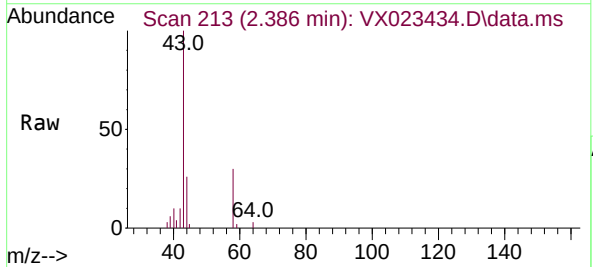
Instrument :  
MSVOA\_X  
ClientSampled :

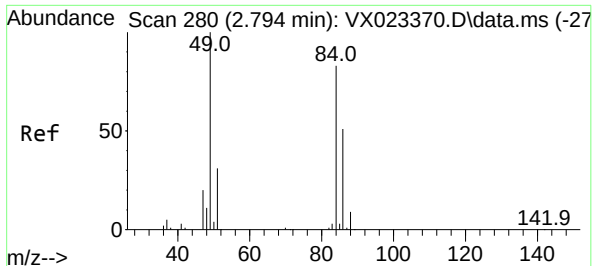
Tgt Ion: 56 Resp: 42  
Ion Ratio Lower Upper  
56 100  
55 357.1 56.4 84.6#



#16  
Acetone  
Concen: 3.681 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

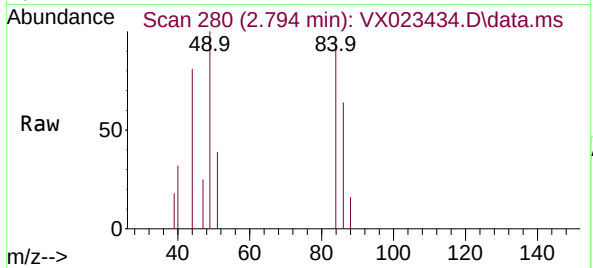
Tgt Ion: 43 Resp: 3528  
Ion Ratio Lower Upper  
43 100  
58 30.4 27.8 41.8



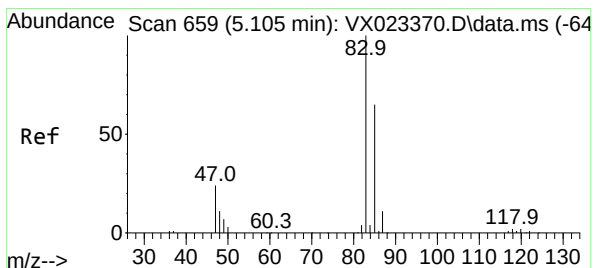
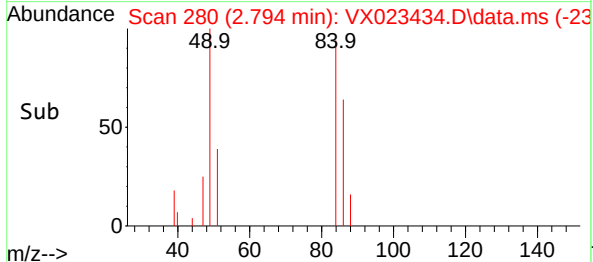
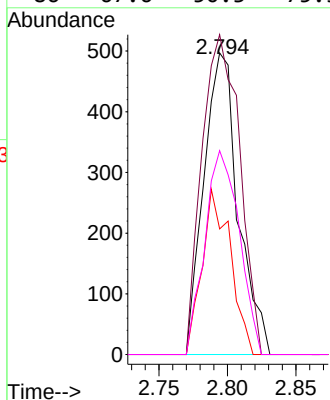


#20  
Methylene Chloride  
Concen: 0.466 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Instrument :  
MSVOA\_X  
ClientSampleId :

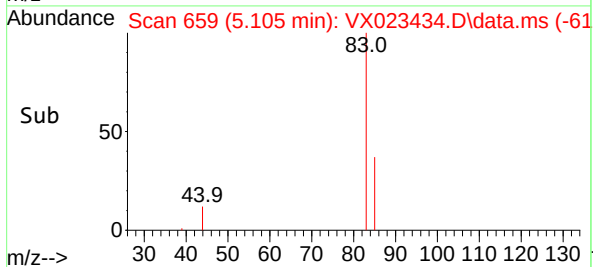
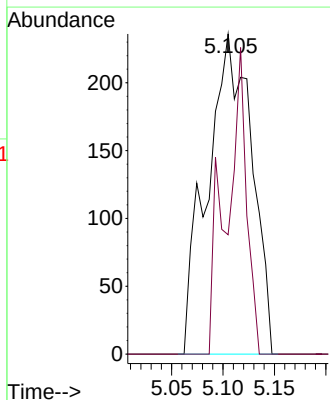
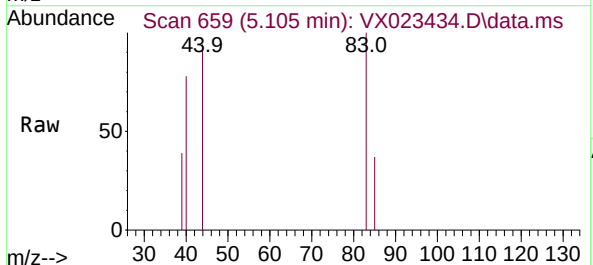


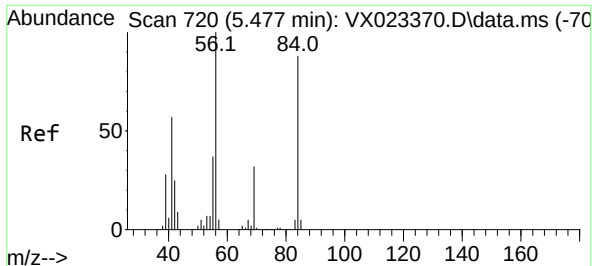
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 868   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 106.0 | 88.6  | 132.8 |
| 51       | 41.6  | 27.0  | 40.6# |
| 86       | 67.6  | 50.3  | 75.5  |



#30  
Chloroform  
Concen: 0.228 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. -0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 707   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 37.3  | 52.0  | 78.0# |

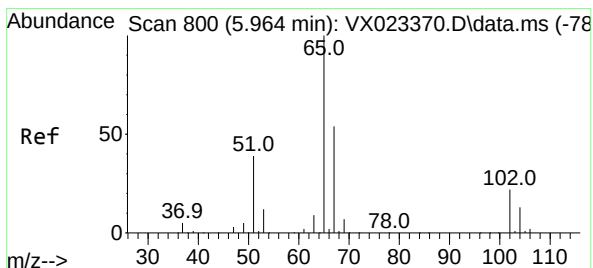
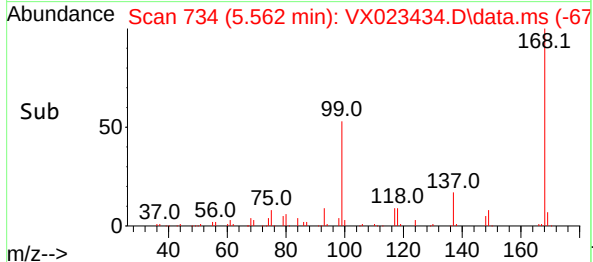
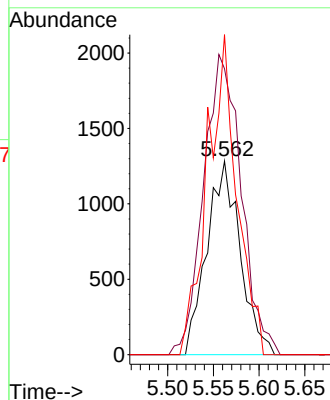
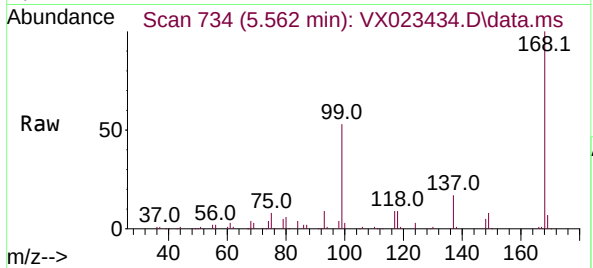




#31  
Cyclohexane  
Concen: 1.124 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

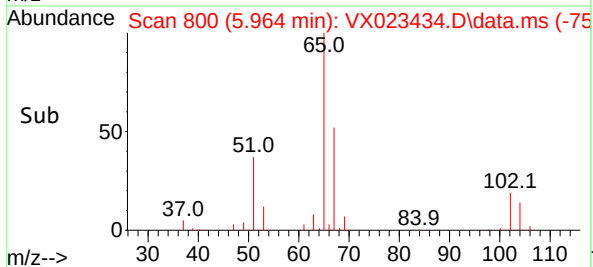
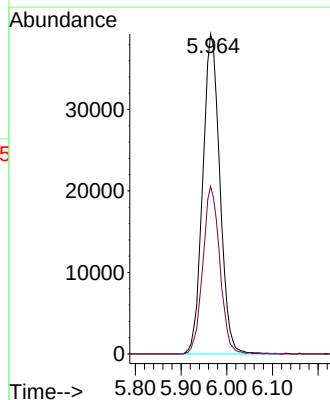
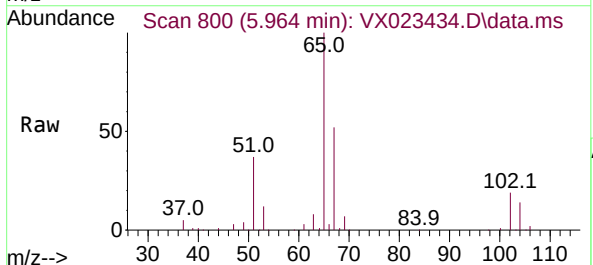
Instrument :  
MSVOA\_X  
ClientSampled :

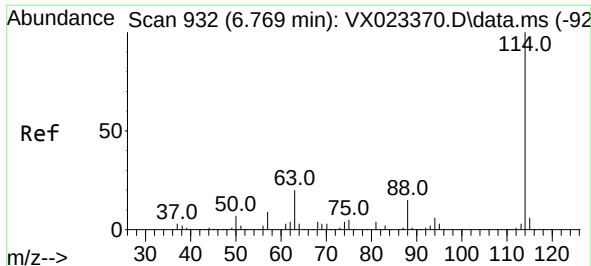
Tgt Ion: 56 Resp: 3254  
Ion Ratio Lower Upper  
56 100  
69 147.7 25.3 37.9#  
84 165.3 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 52.440 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Tgt Ion: 65 Resp: 102465  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 105.4

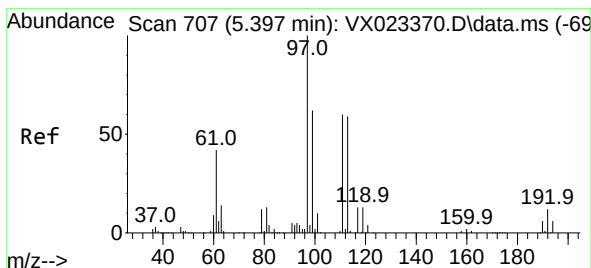
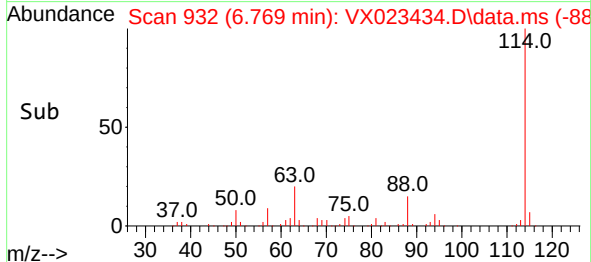
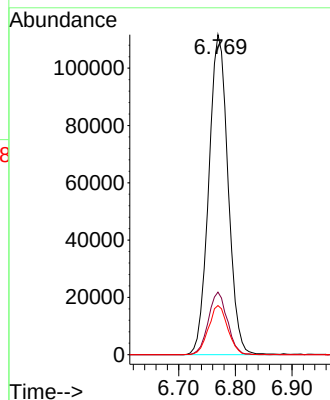
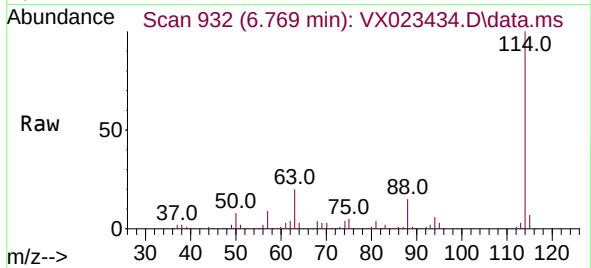




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

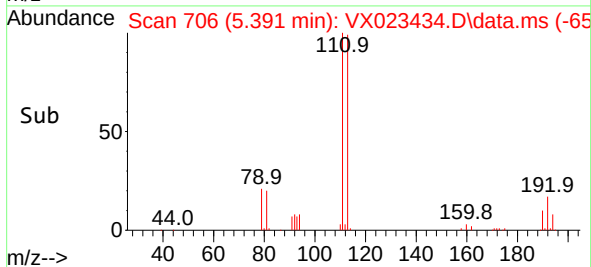
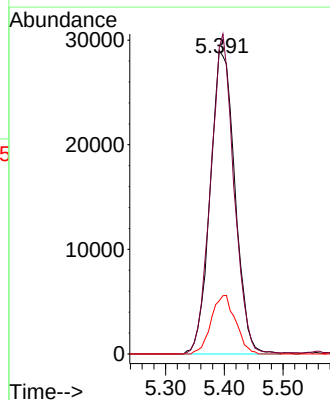
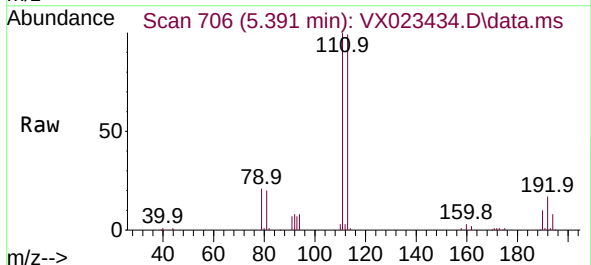
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:114 Resp: 263877  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 40.8  
88 15.4 0.0 32.8

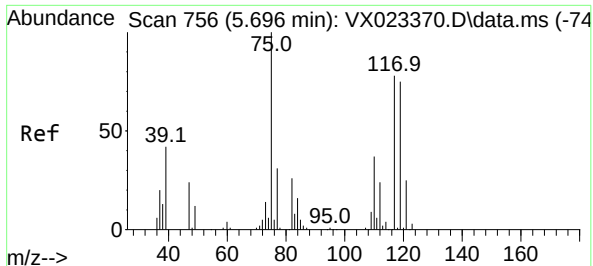


#35  
Dibromofluoromethane  
Concen: 51.387 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Tgt Ion:113 Resp: 84783  
Ion Ratio Lower Upper  
113 100  
111 99.5 81.9 122.9  
192 19.0 16.7 25.1



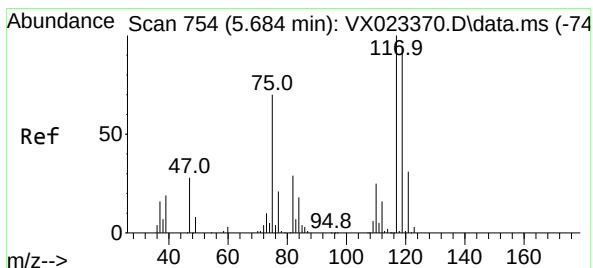
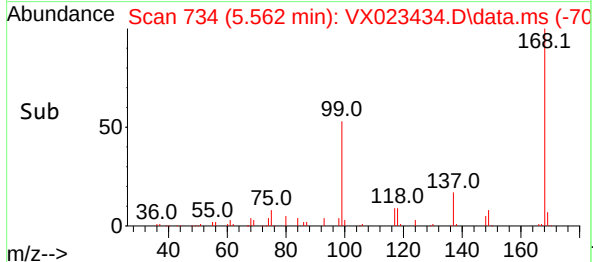
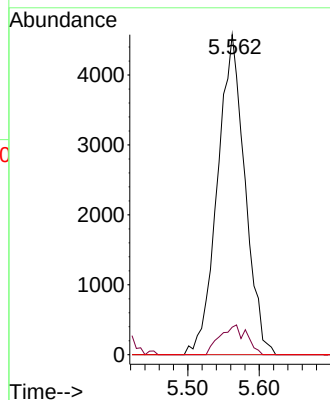
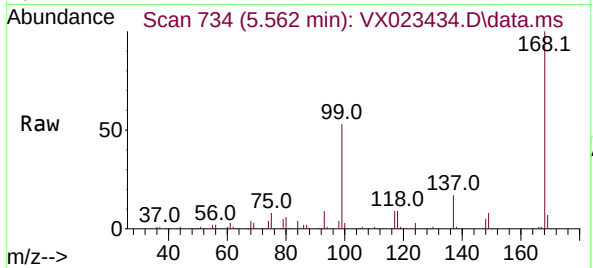




#36  
1,1-Dichloropropene  
Concen: 5.116 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.134 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

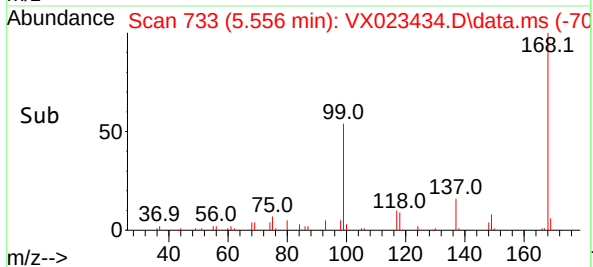
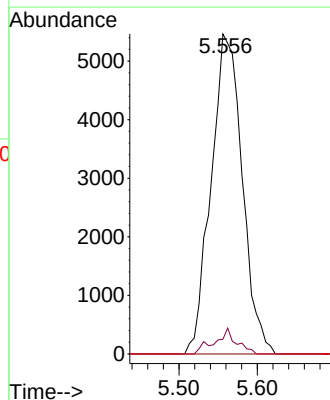
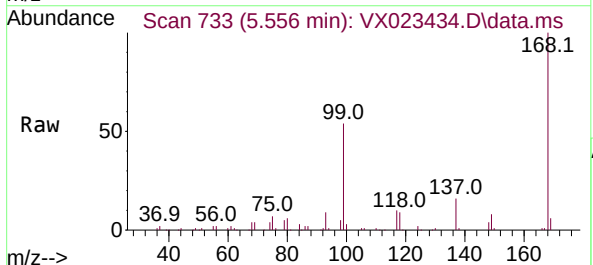
Instrument :  
MSVOA\_X  
ClientSampled :

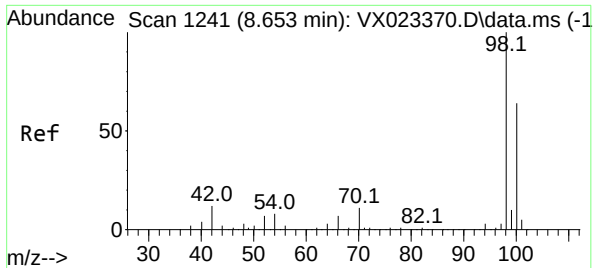
Tgt Ion: 75 Resp: 12211  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.218 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Tgt Ion: 117 Resp: 15095  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.2 114.2#  
121 0.0 24.8 37.2#

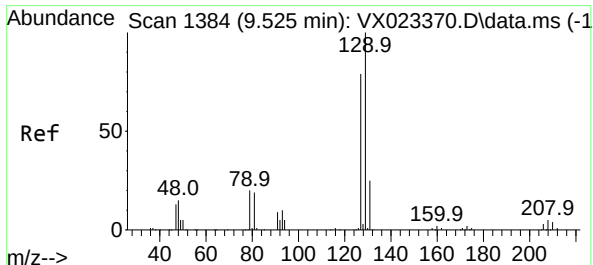
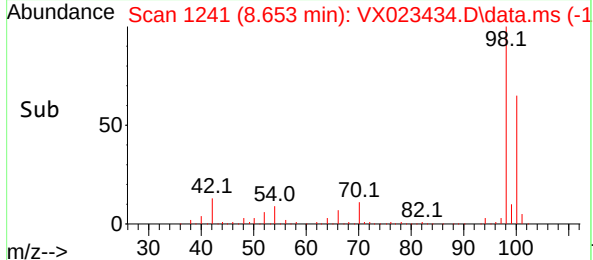
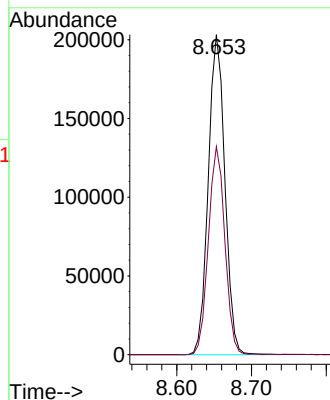
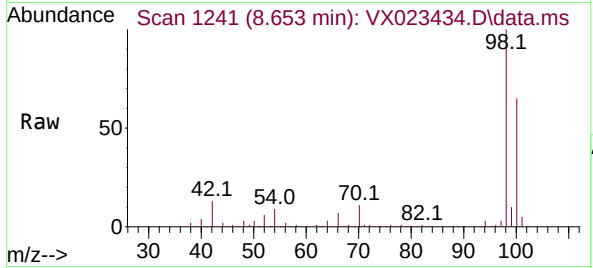




#50  
Toluene-d8  
Concen: 51.670 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

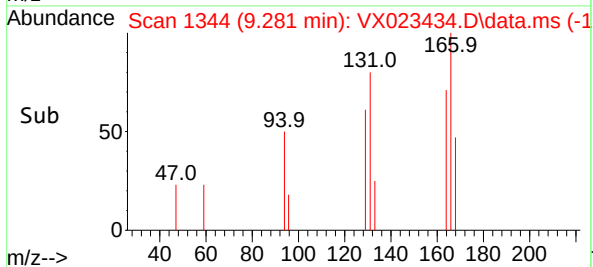
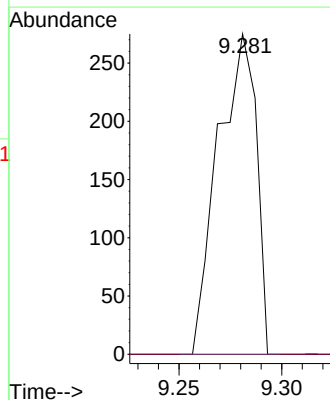
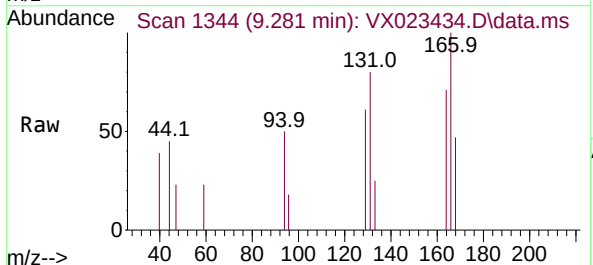
Instrument :  
MSVOA\_X  
ClientSampled :

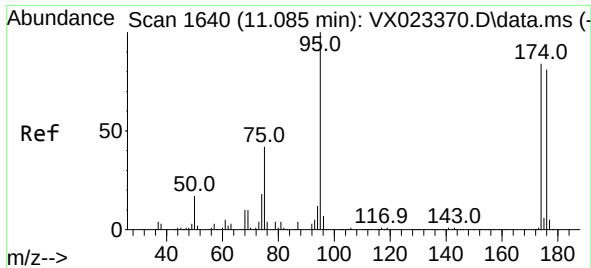
Tgt Ion: 98 Resp: 313210  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#60  
Dibromochloromethane  
Concen: 2.157 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. -0.244 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Tgt Ion:129 Resp: 356  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

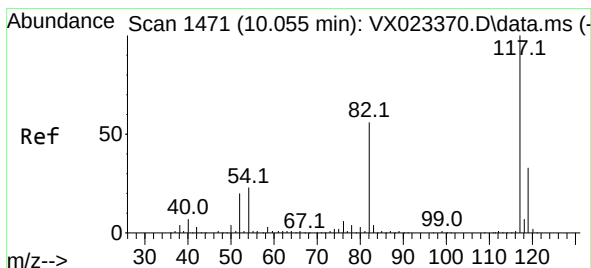
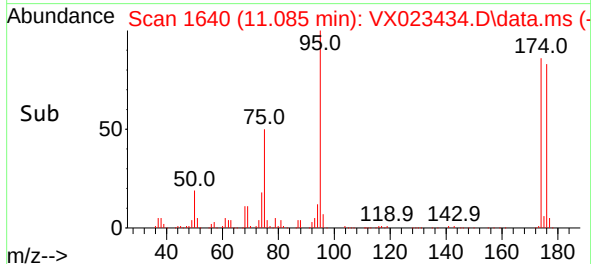
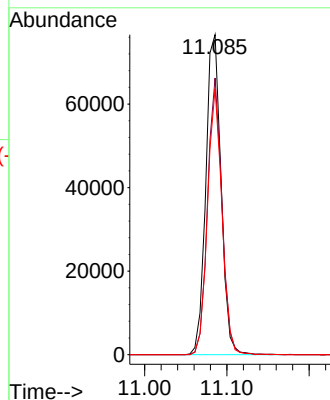
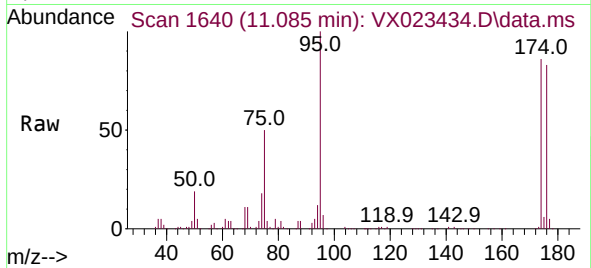




#62  
4-Bromofluorobenzene  
Concen: 47.822 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

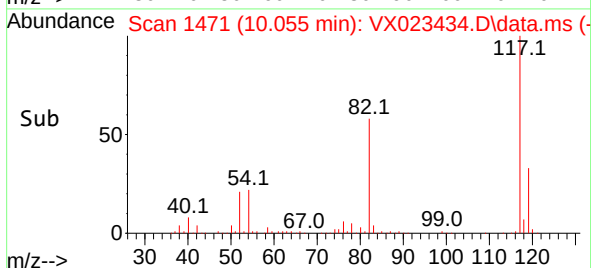
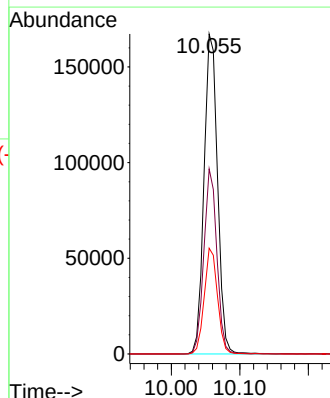
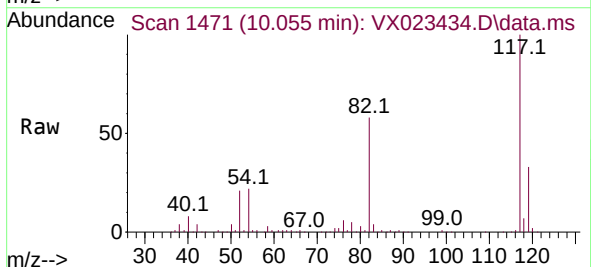
Instrument :  
MSVOA\_X  
ClientSampled :

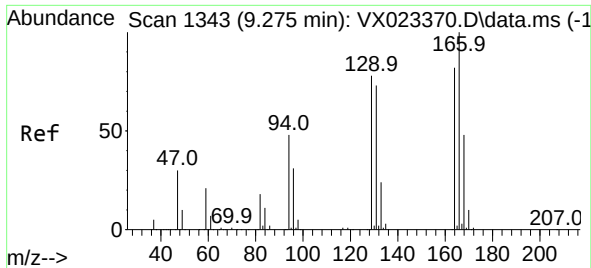
Tgt Ion: 95 Resp: 98572  
Ion Ratio Lower Upper  
95 100  
174 81.7 0.0 154.6  
176 78.6 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

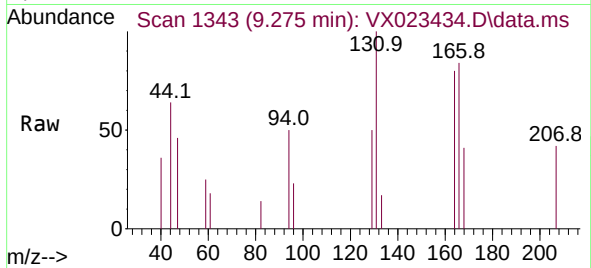
Tgt Ion: 117 Resp: 230200  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.4 71.2  
119 33.1 26.6 39.8



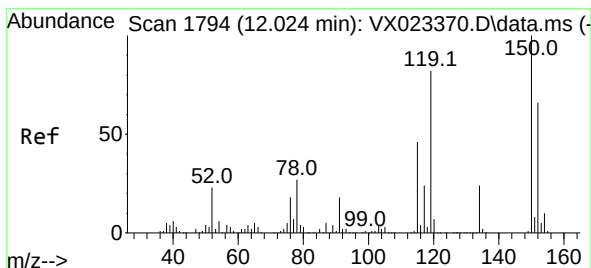
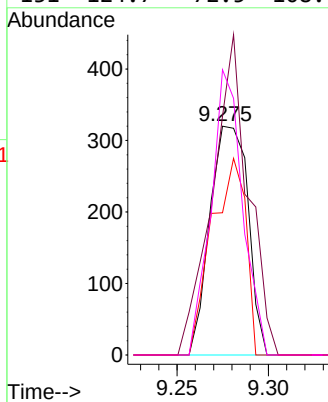
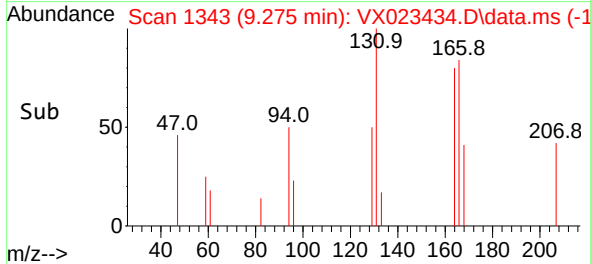


#64  
Tetrachloroethene  
Concen: 0.253 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

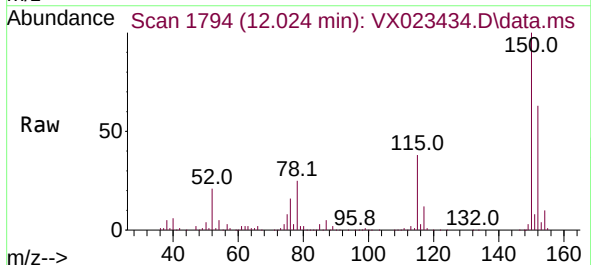
Instrument :  
MSVOA\_X  
ClientSampled :



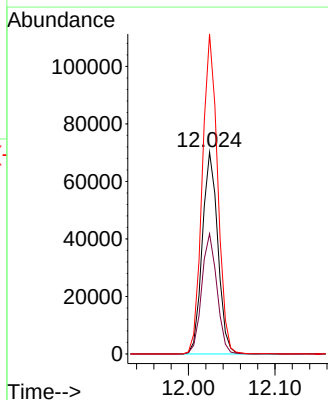
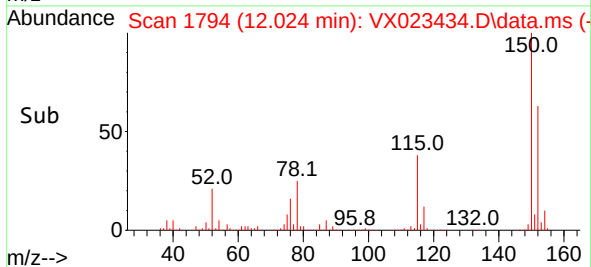
Tgt Ion:164 Resp: 463  
Ion Ratio Lower Upper  
164 100  
166 104.4 103.4 155.2  
129 62.2 70.8 106.2#  
131 124.7 72.5 108.7#

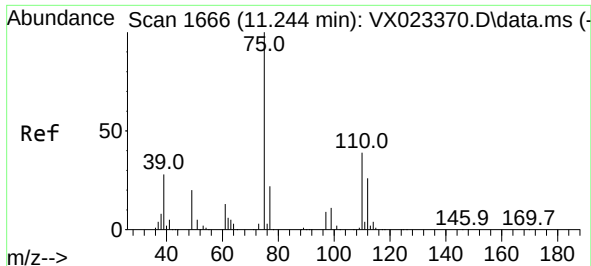


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20



Tgt Ion:152 Resp: 87282  
Ion Ratio Lower Upper  
152 100  
115 58.4 41.1 123.3  
150 157.0 0.0 349.0

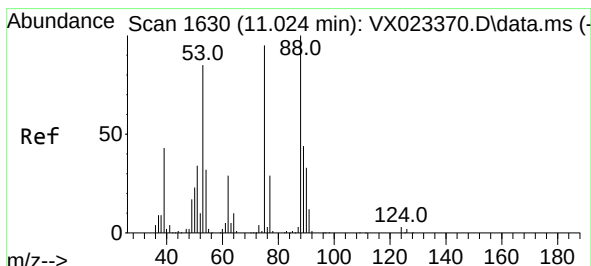
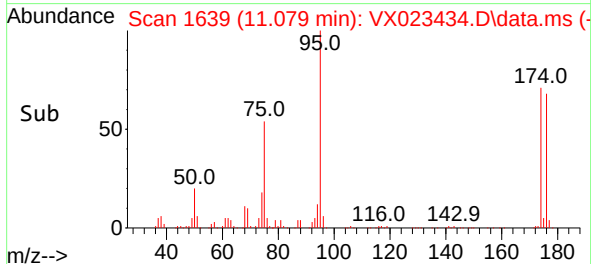
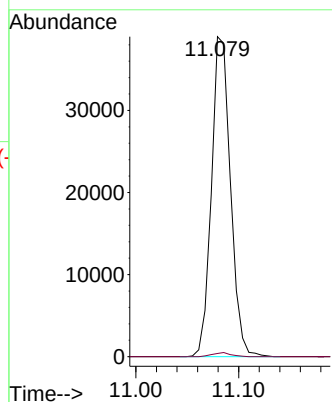
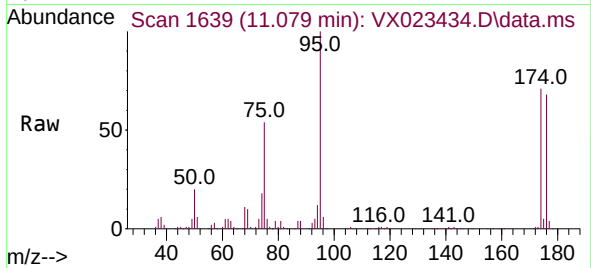




#76  
1,2,3-Trichloropropane  
Concen: 26.083 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 50097  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.133 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.055 min  
Lab File: VX023434.D  
Acq: 23 Jul 2021 19:20

Tgt Ion: 75 Resp: 50097  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

