

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031122\  
 Data File : VX027403.D  
 Acq On : 11 Mar 2022 15:42  
 Operator : JC/MD  
 Sample : N1895-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-120

Quant Time: Mar 11 23:12:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 15:54:34 2022  
 Response via : Initial Calibration

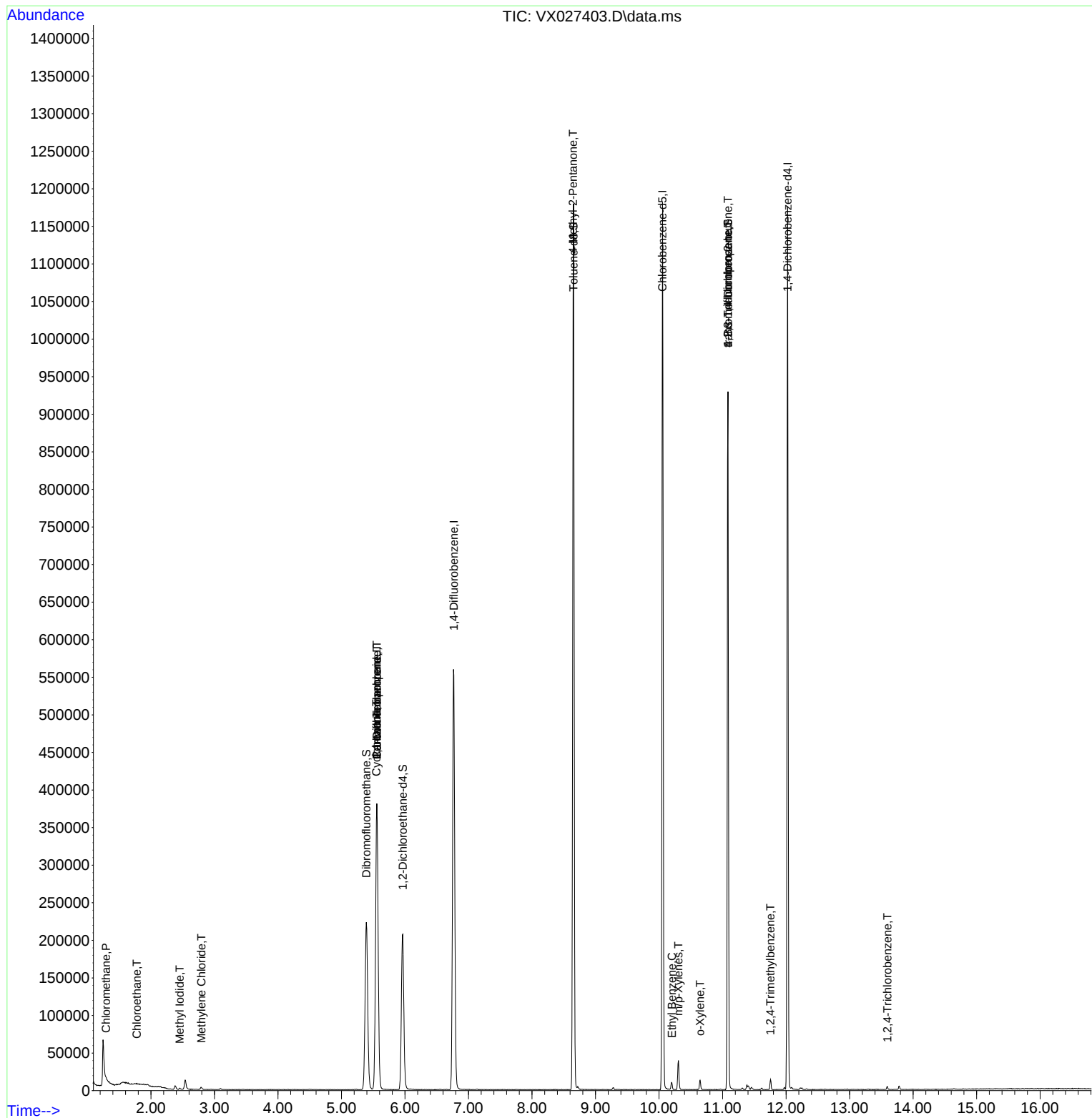
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 389840   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 625879   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 566075   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 258475   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 198414   | 43.645    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 87.280%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 199585   | 49.420    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 98.840%  |
| 50) Toluene-d8                | 8.653  | 98    | 727904   | 47.742    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 95.480%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 256470   | 44.135    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 88.280%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 861      | 0.205     | ug/l # | 87       |
| 5) Bromomethane               | 1.618  | 94    | 481      | Below Cal | #      | 70       |
| 6) Chloroethane               | 1.776  | 64    | 327      | 0.573     | ug/l # | 48       |
| 10) Methyl Iodide             | 2.453  | 142   | 1233     | 0.222     | ug/l   | 96       |
| 16) Acetone                   | 2.380  | 43    | 4842     | Below Cal |        | 99       |
| 20) Methylene Chloride        | 2.794  | 84    | 1295     | 0.292     | ug/l # | 83       |
| 31) Cyclohexane               | 5.550  | 56    | 5533     | 0.870     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 24883    | 4.438     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 36649    | 6.321     | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 2218     | 0.372     | ug/l # | 1        |
| 67) Ethyl Benzene             | 10.201 | 91    | 6268     | 0.305     | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106   | 10288    | 1.277     | ug/l   | 96       |
| 69) o-Xylene                  | 10.646 | 106   | 3071     | 0.386     | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 114656   | 20.218    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 114656   | 65.387    | ug/l # | 15       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 6454     | 0.402     | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180   | 1333     | 0.230     | ug/l   | 96       |
| -----                         |        |       |          |           |        |          |

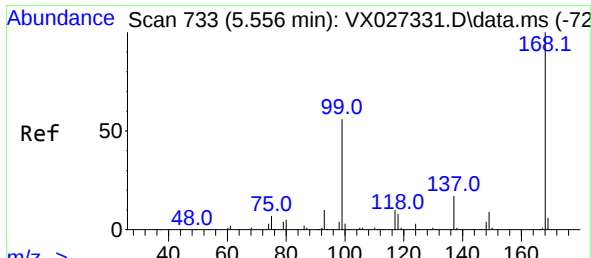
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031122\  
Data File : VX027403.D  
Acq On : 11 Mar 2022 15:42  
Operator : JC/MD  
Sample : N1895-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

Quant Time: Mar 11 23:12:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 08 15:54:34 2022  
Response via : Initial Calibration

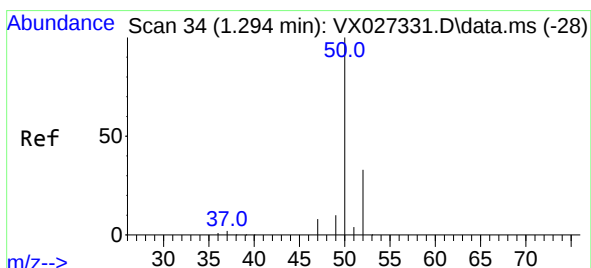
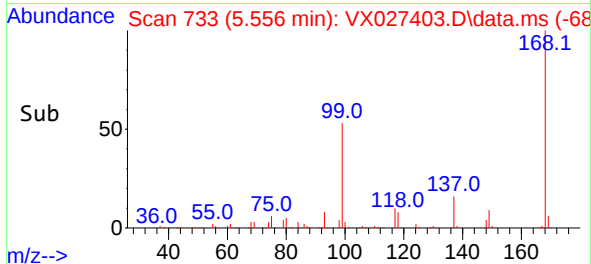
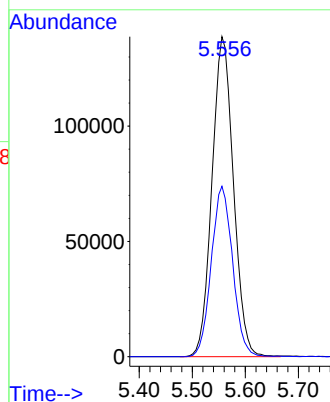
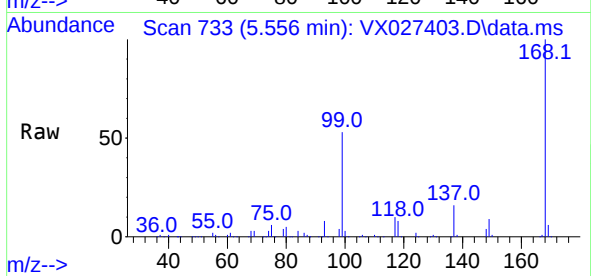




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

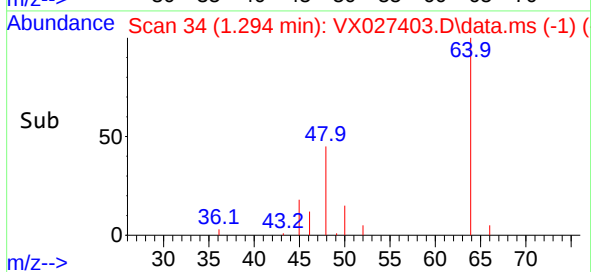
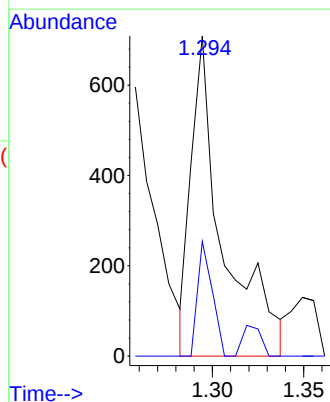
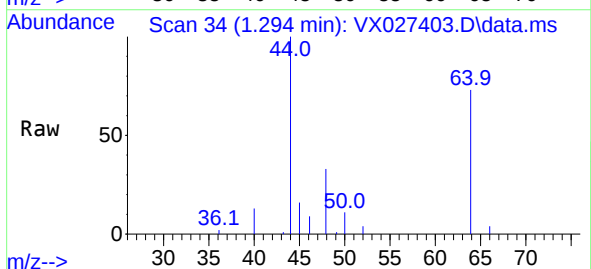
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

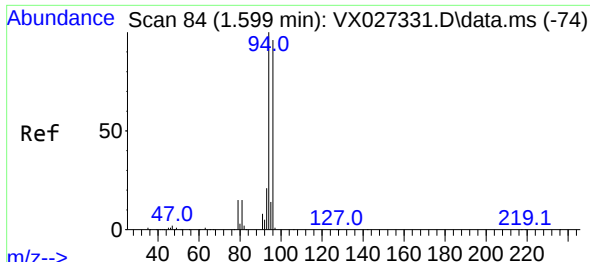
Tgt Ion:168 Resp: 389840  
Ion Ratio Lower Upper  
168 100  
99 53.3 41.7 62.5



#3  
Chloromethane  
Concen: 0.205 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion: 50 Resp: 861  
Ion Ratio Lower Upper  
50 100  
52 40.4 26.4 39.6#

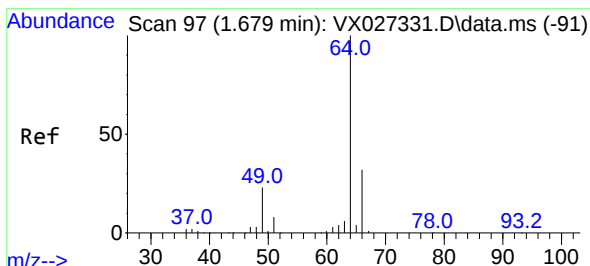
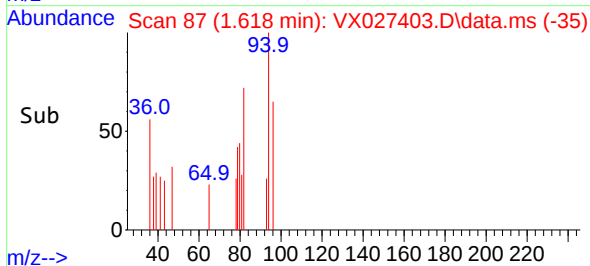
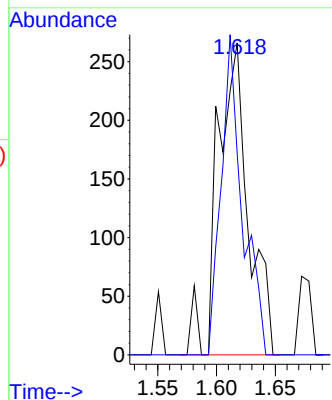
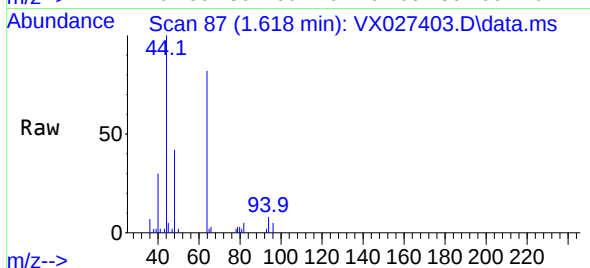




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 81  
Delta R.T. 0.019 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

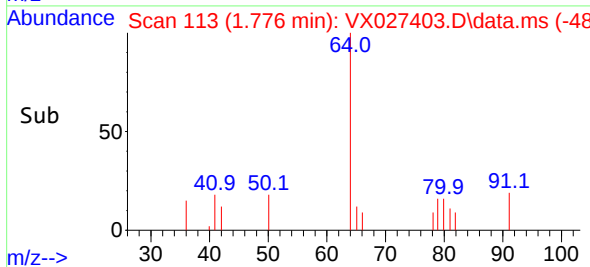
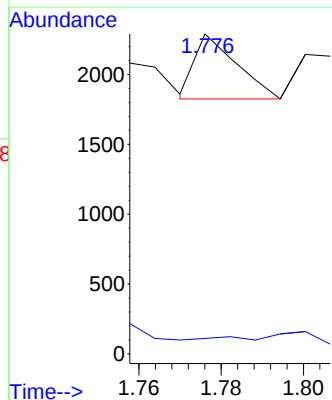
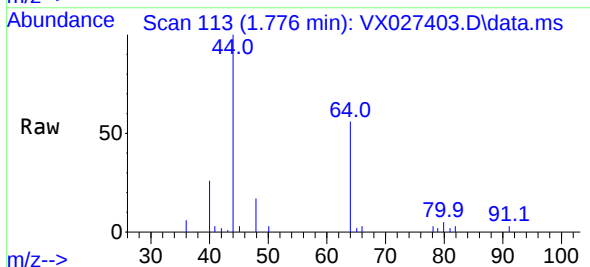
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

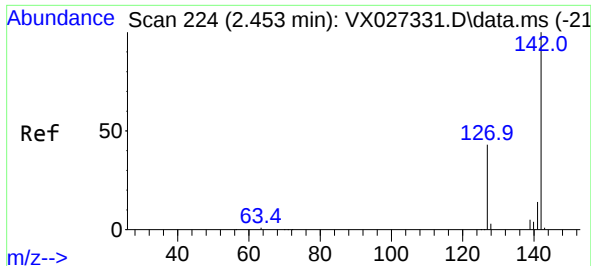
Tgt Ion: 94 Resp: 481  
Ion Ratio Lower Upper  
94 100  
96 64.7 75.3 112.9#



#6  
Chloroethane  
Concen: 0.573 ug/l  
RT: 1.776 min Scan# 113  
Delta R.T. 0.097 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion: 64 Resp: 327  
Ion Ratio Lower Upper  
64 100  
66 2.6 25.3 37.9#

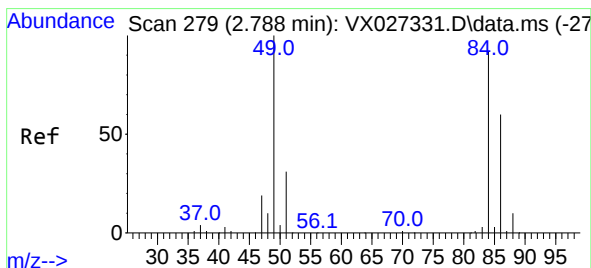
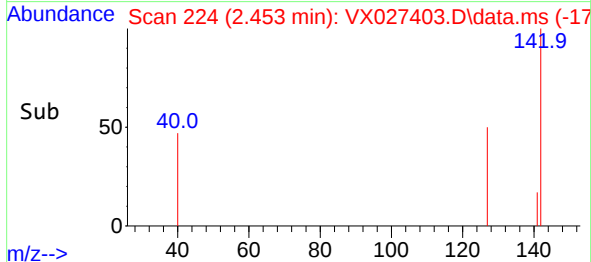
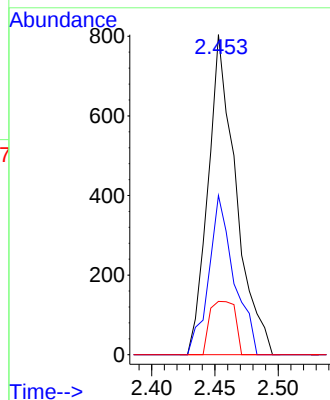
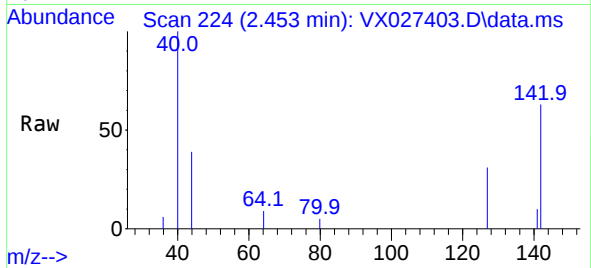




#10  
Methyl Iodide  
Concen: 0.222 ug/l  
RT: 2.453 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

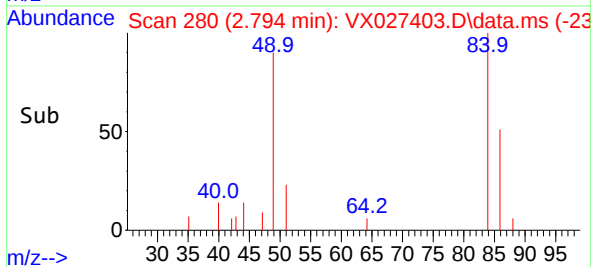
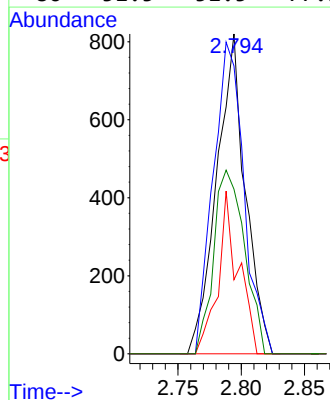
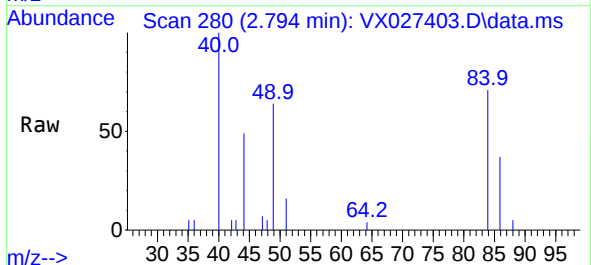
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

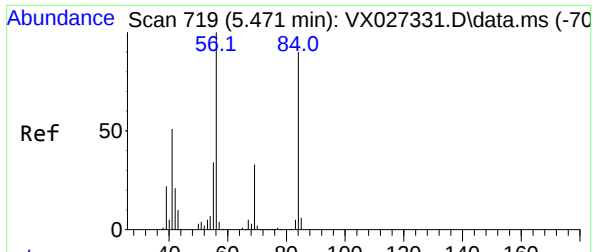
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 1233  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 45.1  | 33.9  | 50.9  |
| 141      | 15.2  | 11.4  | 17.2  |



#20  
Methylene Chloride  
Concen: 0.292 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1295  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 90.0  | 85.5  | 128.3 |
| 51       | 23.2  | 26.6  | 39.8# |
| 86       | 51.5  | 51.5  | 77.3# |

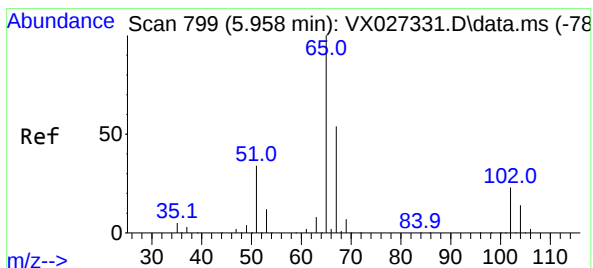
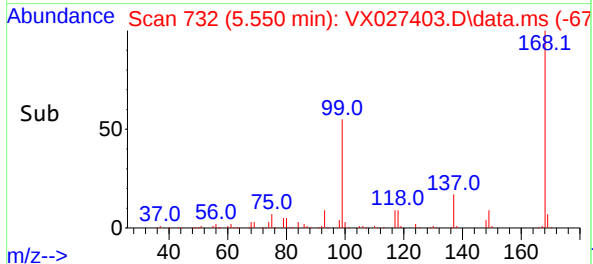
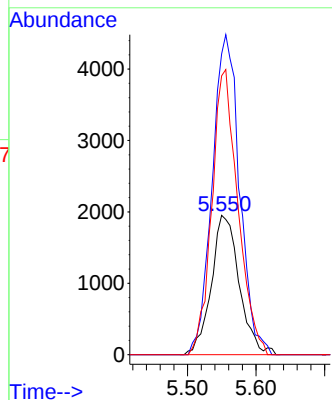
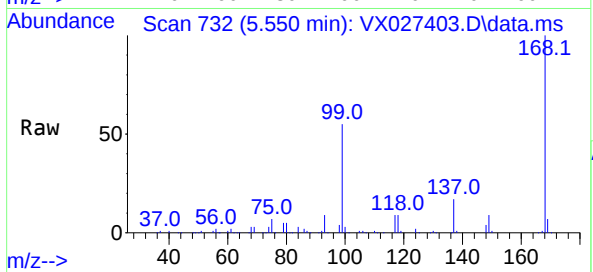




#31  
Cyclohexane  
Concen: 0.870 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

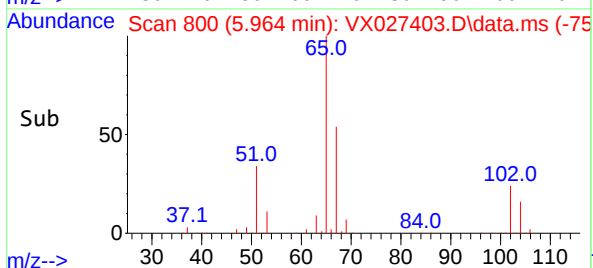
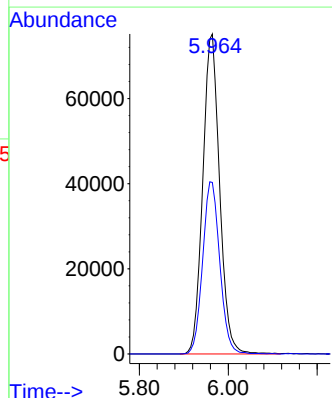
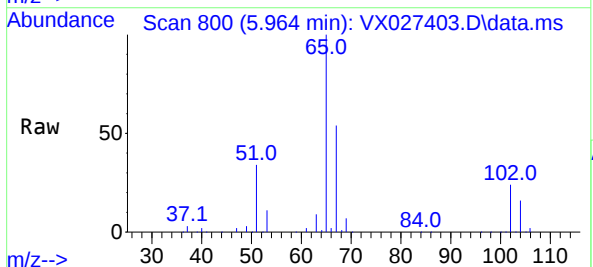
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

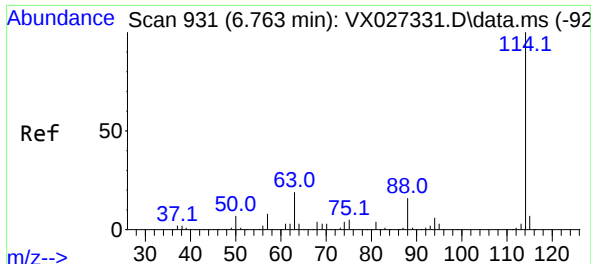
Tgt Ion: 56 Resp: 5533  
Ion Ratio Lower Upper  
56 100  
69 215.8 26.7 40.1#  
84 200.1 77.2 115.8#



#33  
1,2-Dichloroethane-d4  
Concen: 43.645 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion: 65 Resp: 198414  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 107.4

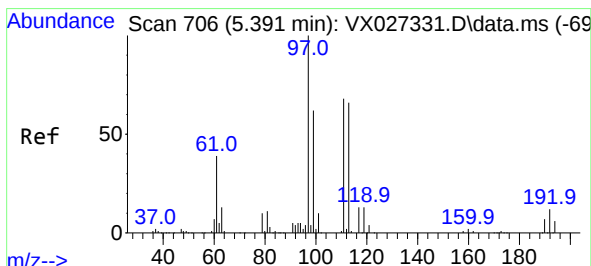
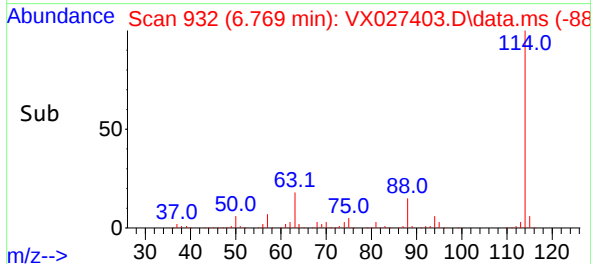
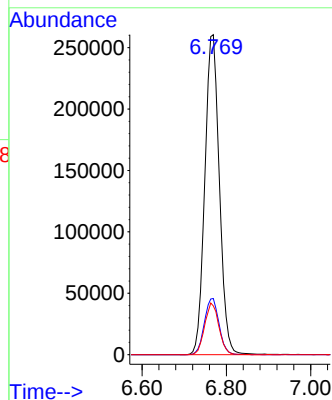
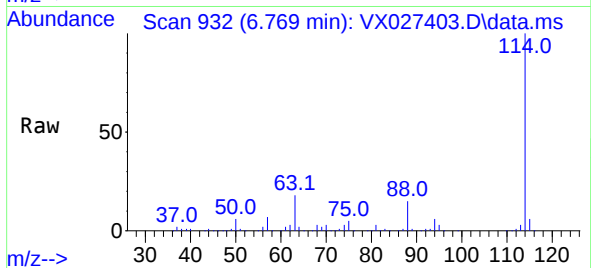




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

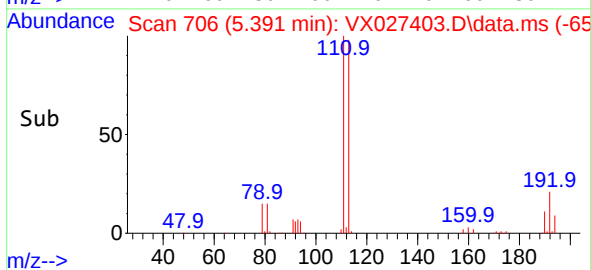
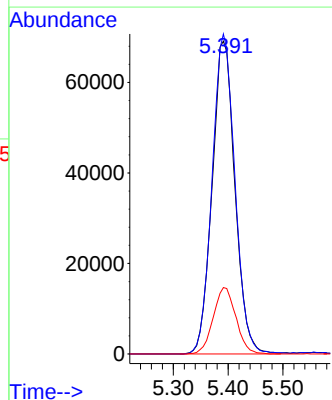
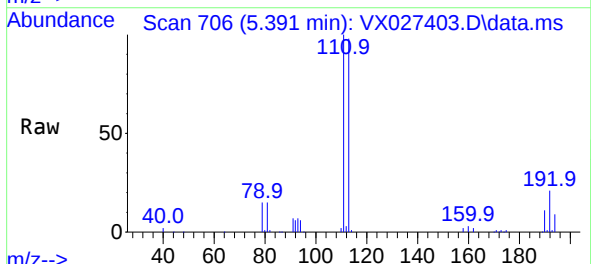
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

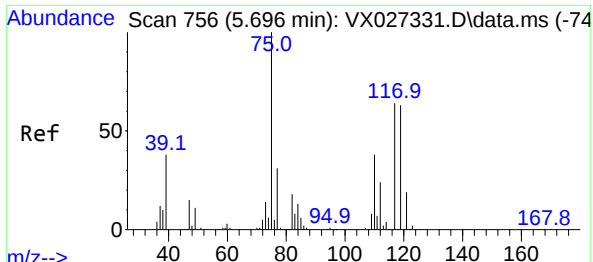
Tgt Ion:114 Resp: 625879  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 36.8  
88 15.2 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 49.420 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion:113 Resp: 199585  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.8 124.2  
192 21.1 16.9 25.3

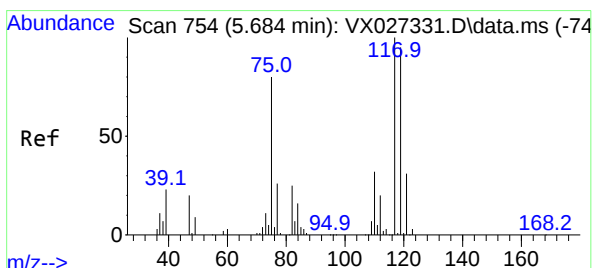
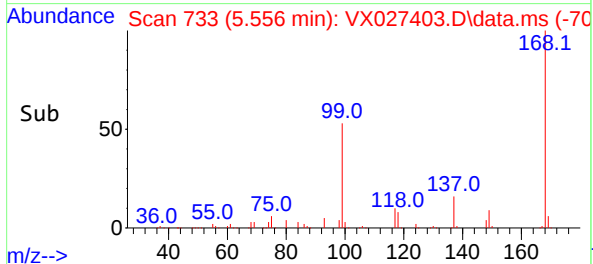
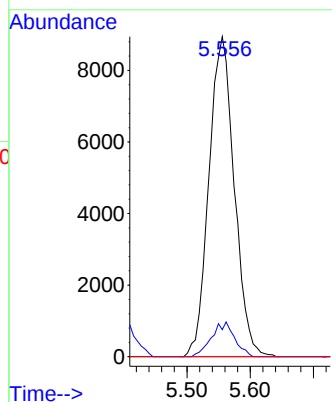
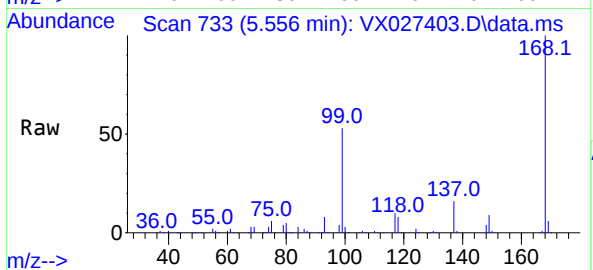




#36  
1,1-Dichloropropene  
Concen: 4.438 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

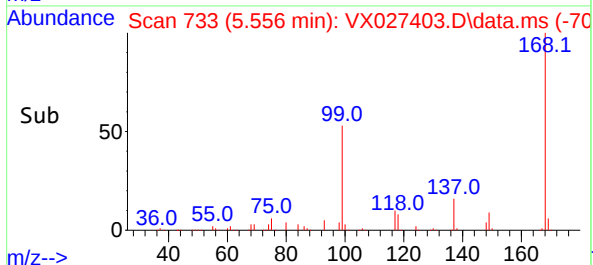
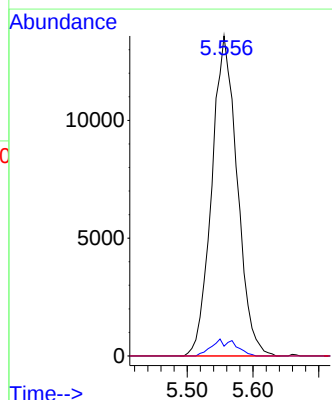
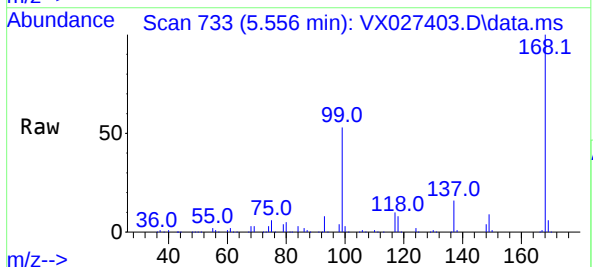
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

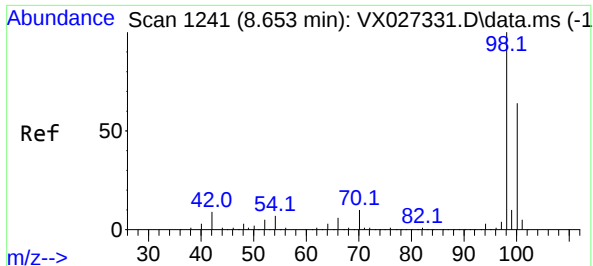
Tgt Ion: 75 Resp: 24883  
Ion Ratio Lower Upper  
75 100  
110 9.9 18.3 54.8#  
77 0.0 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 6.321 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion: 117 Resp: 36649  
Ion Ratio Lower Upper  
117 100  
119 3.1 77.3 115.9#  
121 0.0 24.2 36.2#

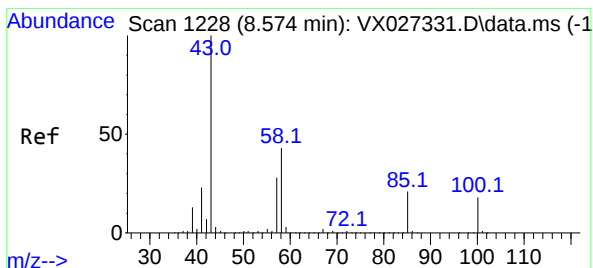
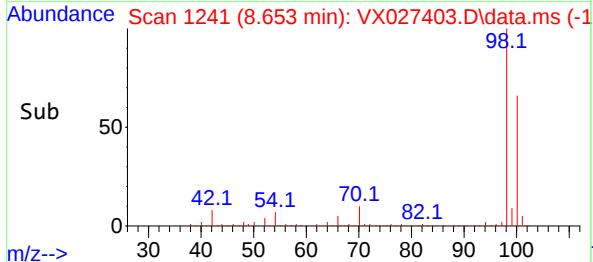
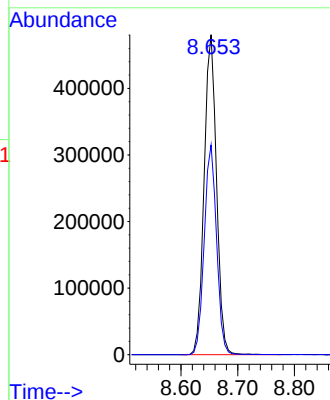
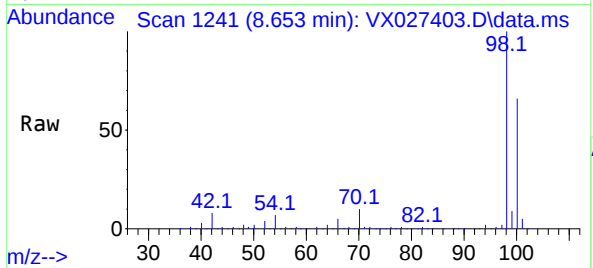




#50  
Toluene-d8  
Concen: 47.742 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

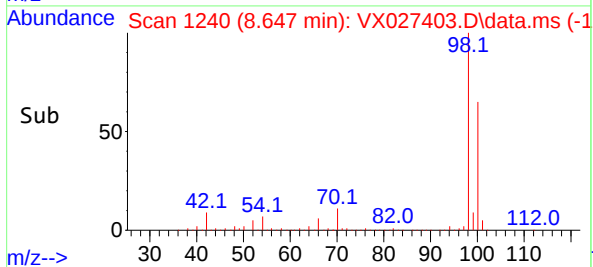
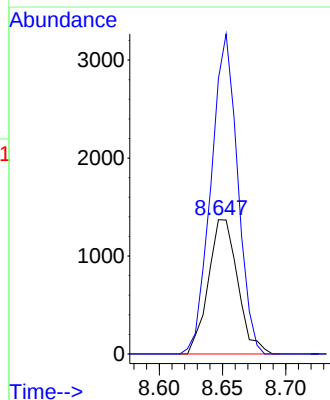
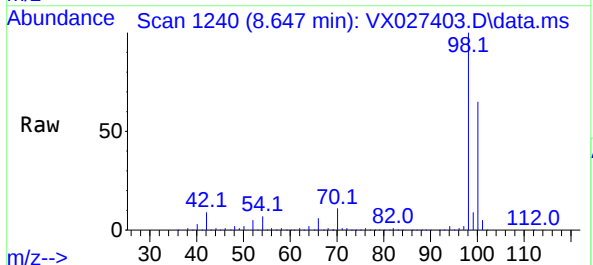
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

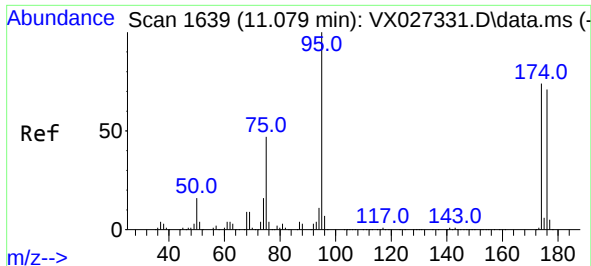
Tgt Ion: 98 Resp: 727904  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.372 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion: 43 Resp: 2218  
Ion Ratio Lower Upper  
43 100  
58 215.6 36.1 54.1#

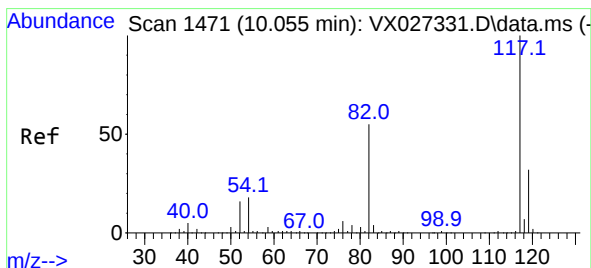
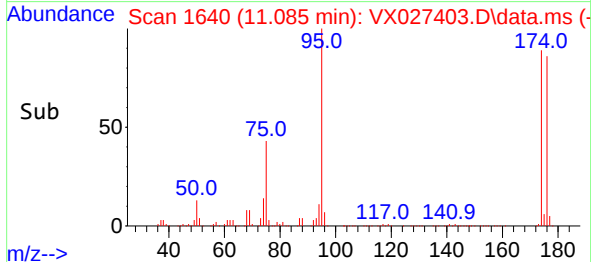
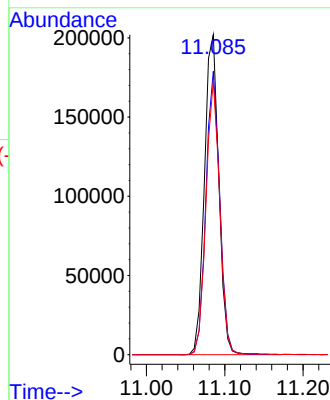
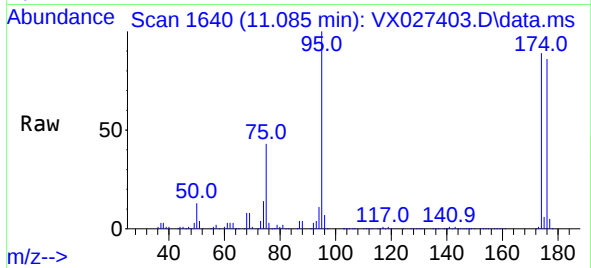




#62  
4-Bromofluorobenzene  
Concen: 44.135 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

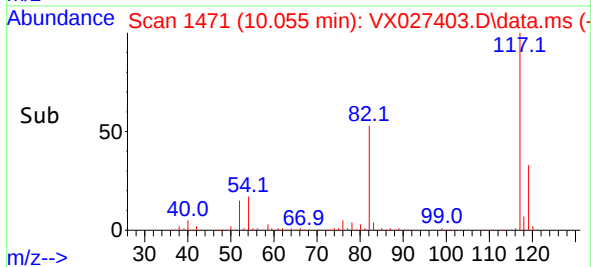
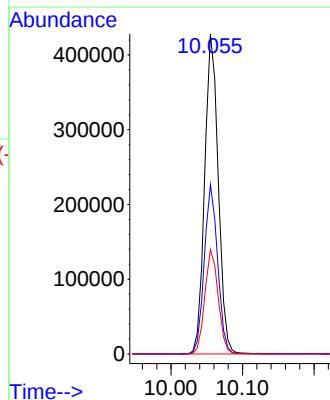
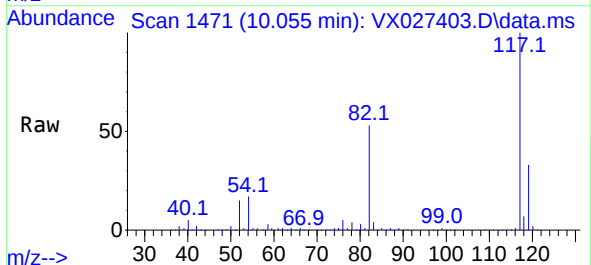
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

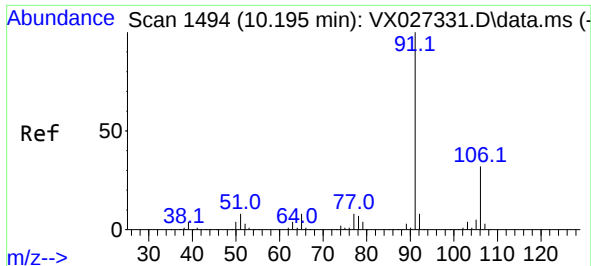
Tgt Ion: 95 Resp: 256470  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 163.0  
176 82.2 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion: 117 Resp: 566075  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.8 62.8  
119 32.6 24.8 37.2





#67

Ethyl Benzene

Concen: 0.305 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX027403.D

Acq: 11 Mar 2022 15:42

Instrument :

MSVOA\_X

ClientSampleId :

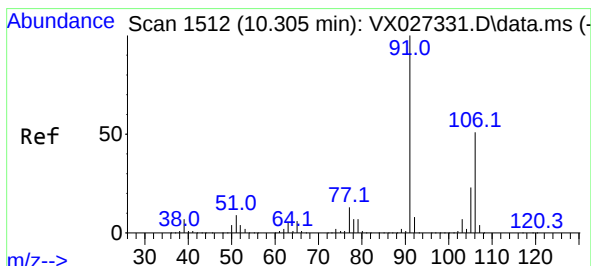
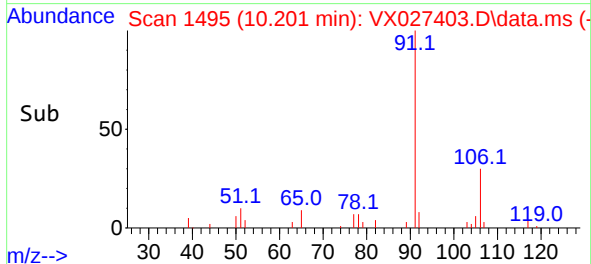
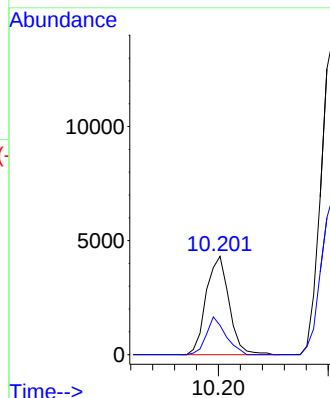
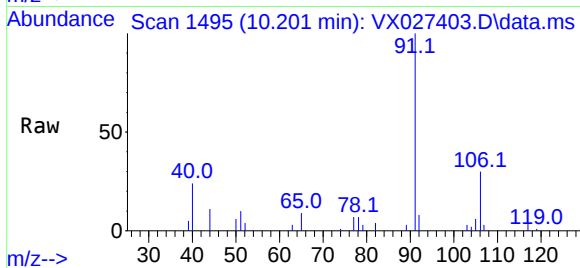
MW-120

Tgt Ion: 91 Resp: 6268

Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8



#68

m/p-Xylenes

Concen: 1.277 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX027403.D

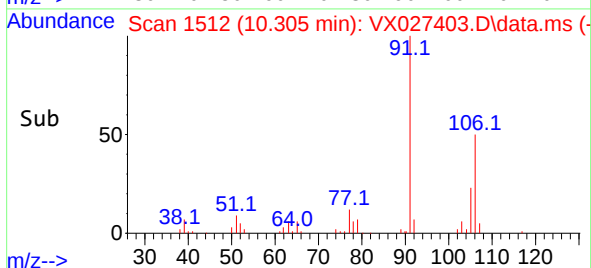
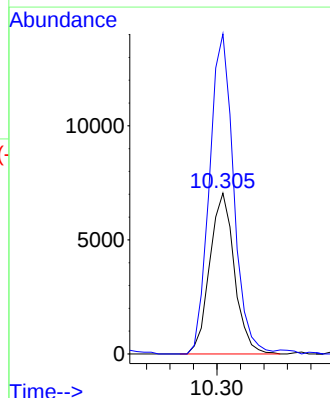
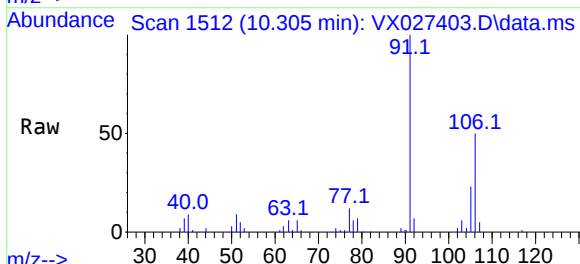
Acq: 11 Mar 2022 15:42

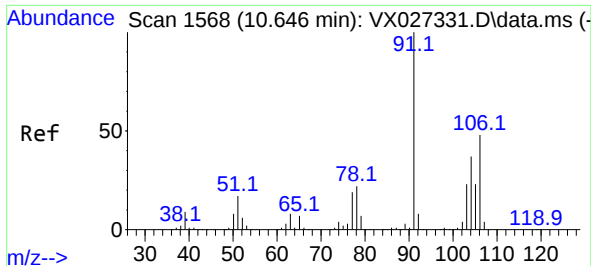
Tgt Ion: 106 Resp: 10288

Ion Ratio Lower Upper

106 100

91 195.0 160.4 240.6

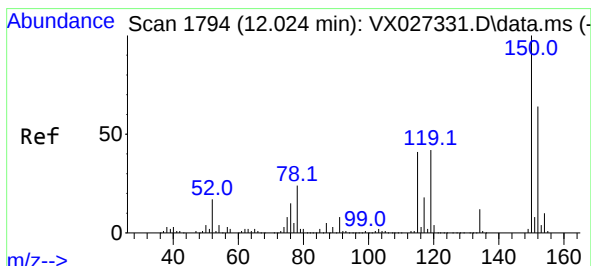
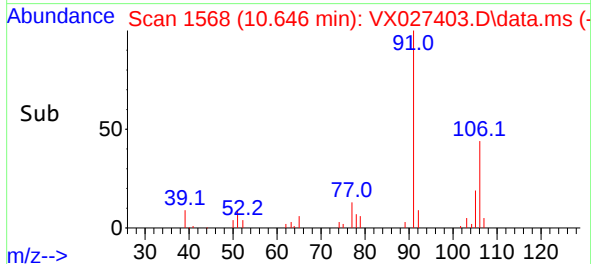
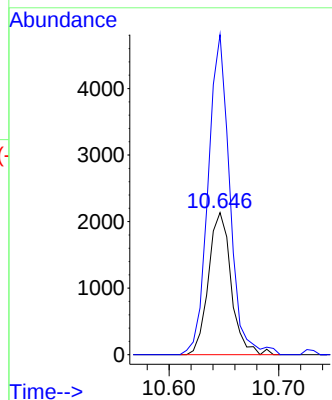
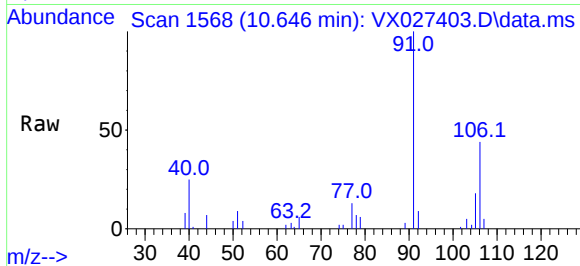




#69  
o-Xylene  
Concen: 0.386 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

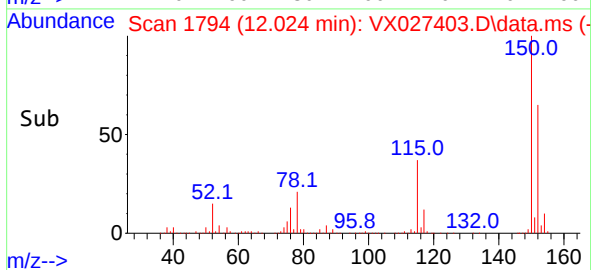
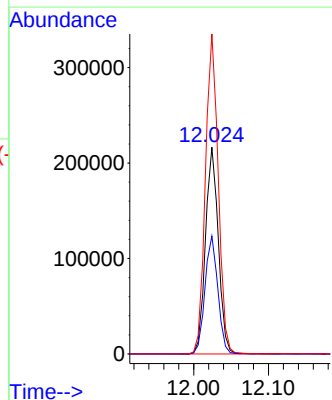
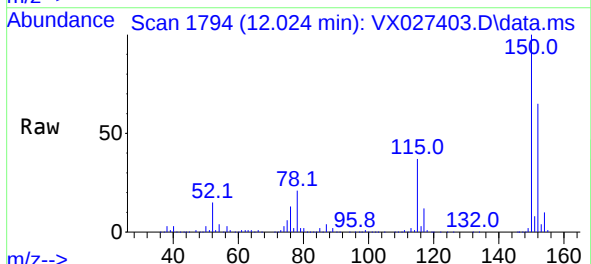
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

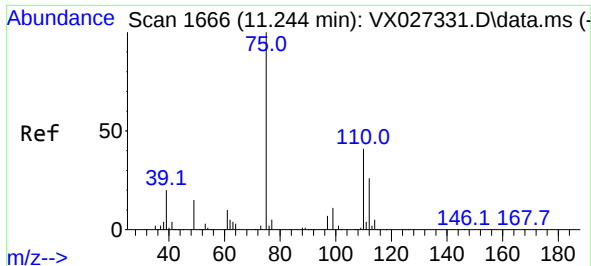
Tgt Ion:106 Resp: 3071  
Ion Ratio Lower Upper  
106 100  
91 214.6 106.1 318.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion:152 Resp: 258475  
Ion Ratio Lower Upper  
152 100  
115 57.1 37.5 112.7  
150 154.6 0.0 338.2

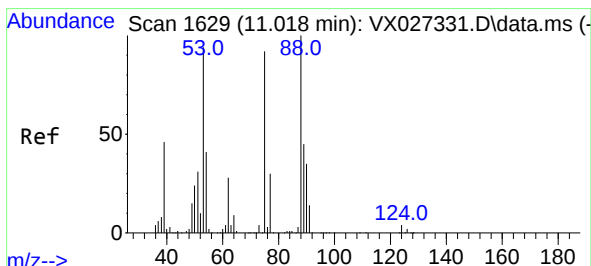
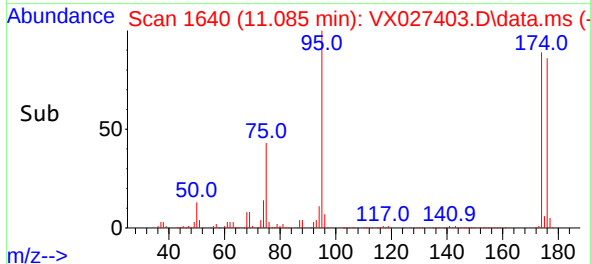
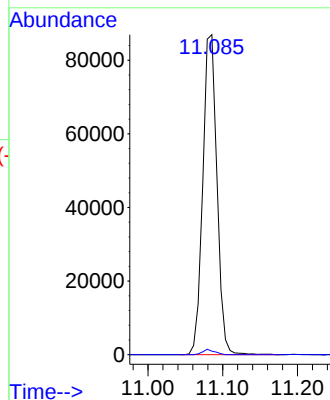
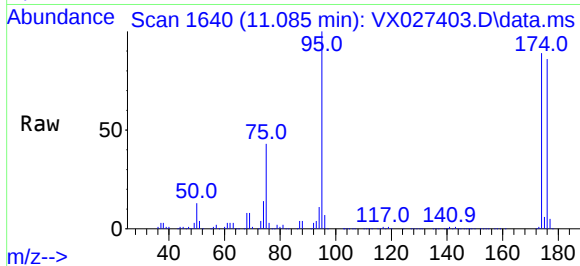




#76  
1,2,3-Trichloropropane  
Concen: 20.218 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

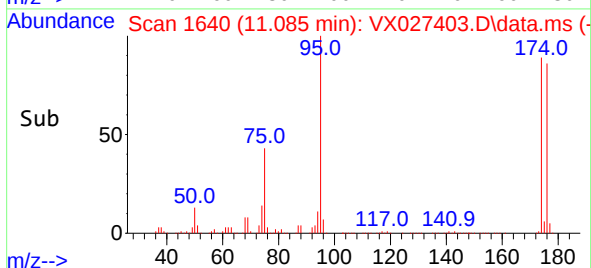
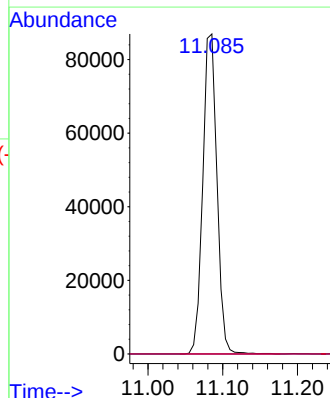
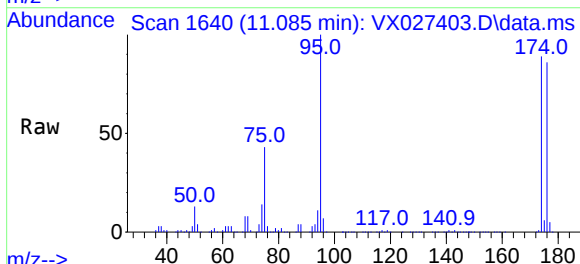
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

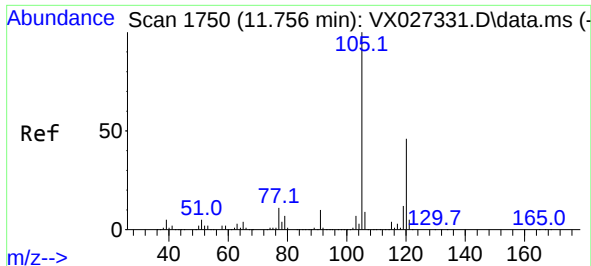
Tgt Ion: 75 Resp: 114656  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.387 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion: 75 Resp: 114656  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

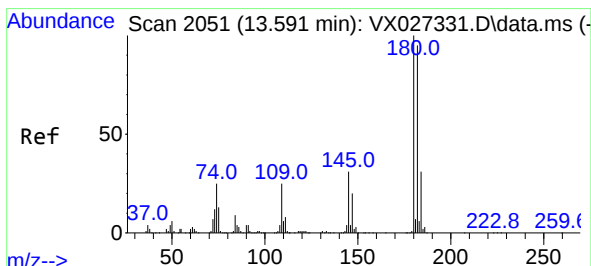
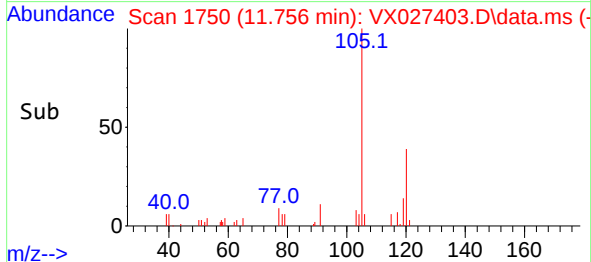
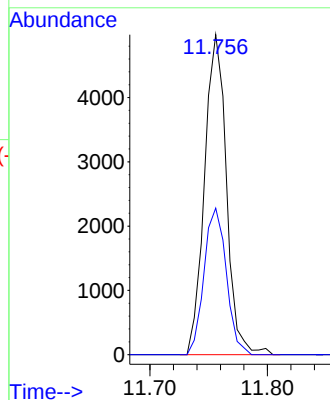
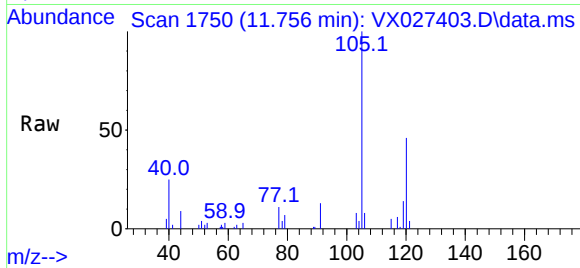




#84  
1,2,4-Trimethylbenzene  
Concen: 0.402 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-120

Tgt Ion:105 Resp: 6454  
Ion Ratio Lower Upper  
105 100  
120 46.5 22.6 67.8



#93  
1,2,4-Trichlorobenzene  
Concen: 0.230 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.006 min  
Lab File: VX027403.D  
Acq: 11 Mar 2022 15:42

Tgt Ion:180 Resp: 1333  
Ion Ratio Lower Upper  
180 100  
182 92.2 47.7 143.1  
145 34.6 15.2 45.5

