

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070921\  
 Data File : VX023219.D  
 Acq On : 09 Jul 2021 14:30  
 Operator : JC/MD  
 Sample : M2953-09DL 200X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-06-1.5-6.5-070621DL

Quant Time: Jul 10 04:19:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

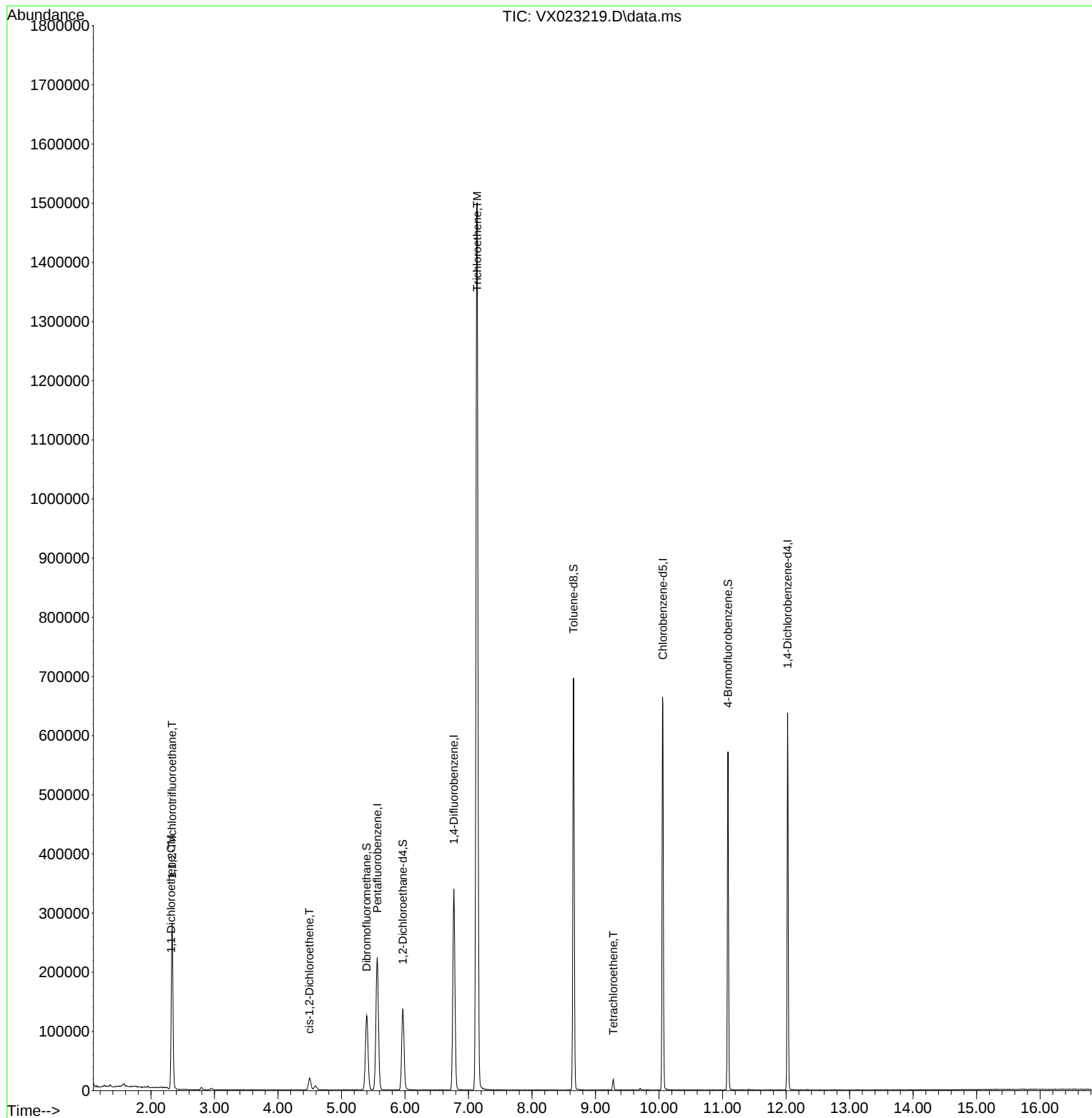
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 206595   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 338283   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.061 | 117   | 302085   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 127292   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 138099   | 49.736   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 99.480%  |
| 35) Dibromofluoromethane     | 5.397  | 113   | 107615   | 49.263   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 98.520%  |
| 50) Toluene-d8               | 8.653  | 98    | 406808   | 49.923   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 99.840%  |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 145274   | 46.180   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 92.360%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 108018   | 54.135   | ug/l   | 94       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 1110     | 0.603    | ug/l # | 92       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 12841    | 5.330    | ug/l   | 94       |
| 44) Trichloroethene          | 7.135  | 130   | 581445   | 234.096  | ug/l   | 98       |
| 64) Tetrachloroethene        | 9.281  | 164   | 3485     | 1.446    | ug/l   | 91       |
| -----                        |        |       |          |          |        |          |

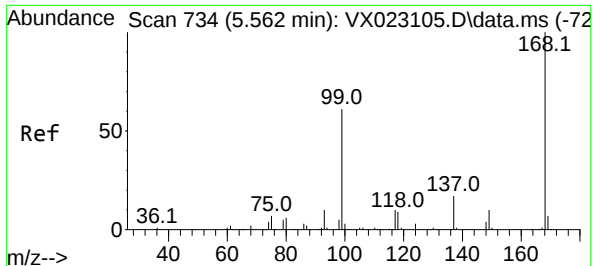
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

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MW-06-1.5-6.5-070621DL

Quant Time: Jul 10 04:19:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 02 14:29:42 2021  
Response via : Initial Calibration

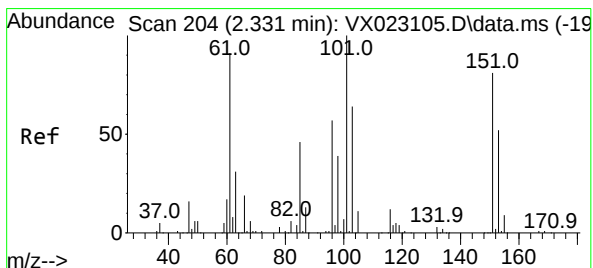
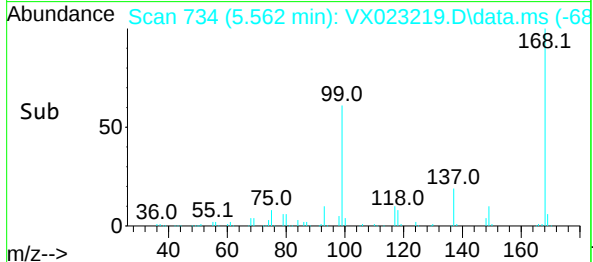
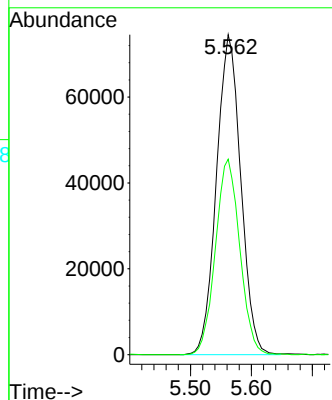
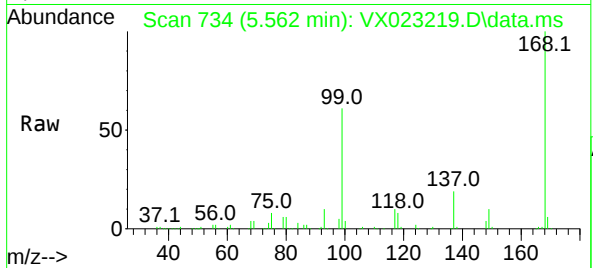




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

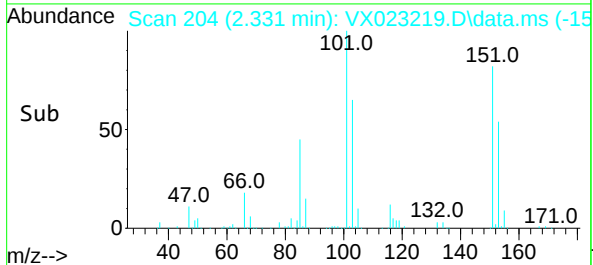
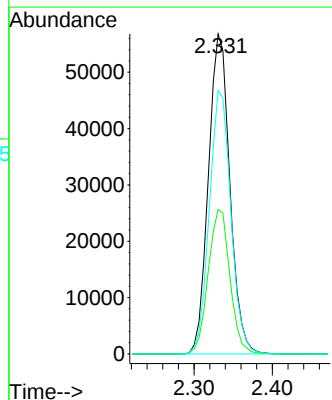
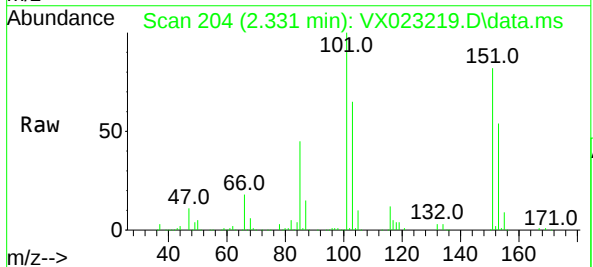
Instrument :  
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ClientSampleId :  
MW-06-1.5-6.5-070621DL

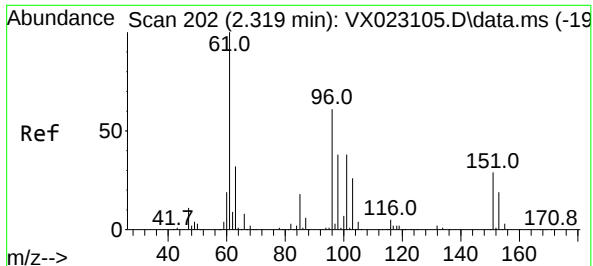
Tgt Ion:168 Resp: 206595  
Ion Ratio Lower Upper  
168 100  
99 61.1 45.8 68.6



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 54.135 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

Tgt Ion:101 Resp: 108018  
Ion Ratio Lower Upper  
101 100  
85 45.7 34.9 52.3  
151 82.9 61.4 92.2





#12

1,1-Dichloroethene

Concen: 0.603 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX023219.D

Acq: 09 Jul 2021 14:30

Instrument :

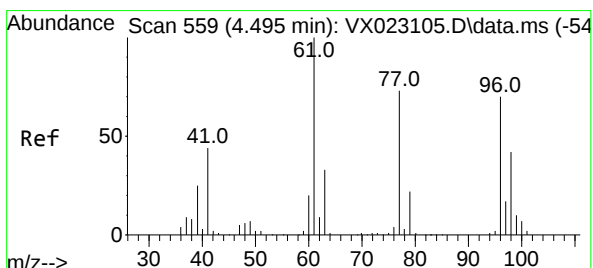
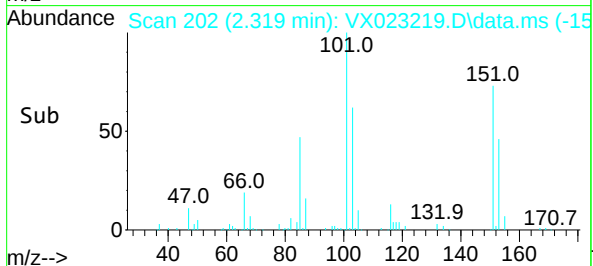
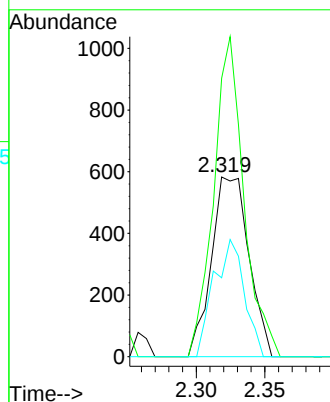
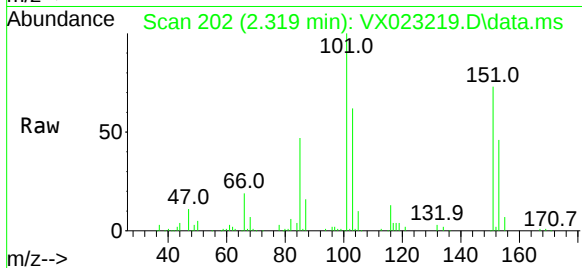
MSVOA\_X

ClientSampleId :

MW-06-1.5-6.5-070621DL

Tgt Ion: 96 Resp: 1110

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 154.9 | 124.6 | 187.0 |
| 98  | 43.9  | 50.6  | 76.0# |



#27

cis-1,2-Dichloroethene

Concen: 5.330 ug/l

RT: 4.495 min Scan# 559

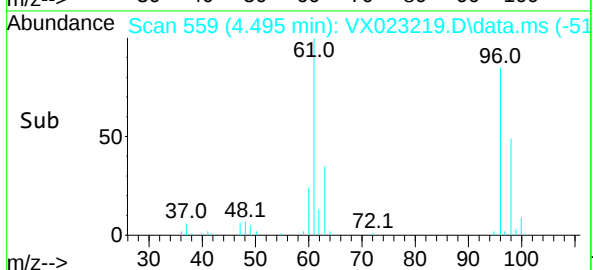
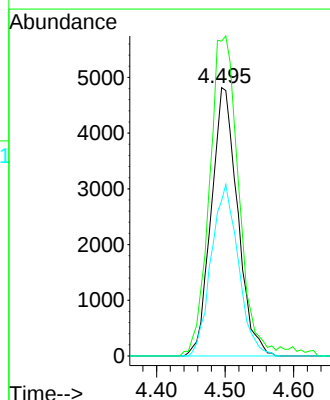
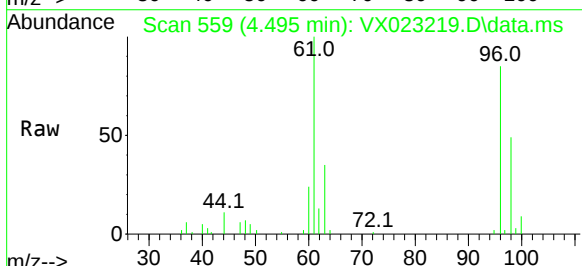
Delta R.T. -0.000 min

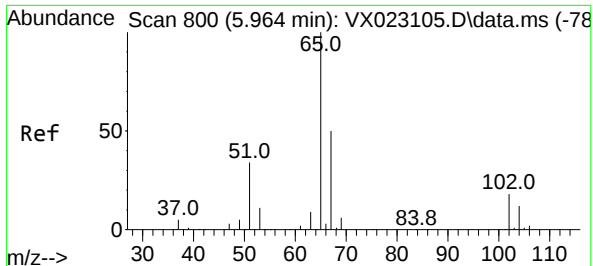
Lab File: VX023219.D

Acq: 09 Jul 2021 14:30

Tgt Ion: 96 Resp: 12841

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.9 | 0.0   | 285.6 |
| 98  | 65.8  | 0.0   | 129.6 |

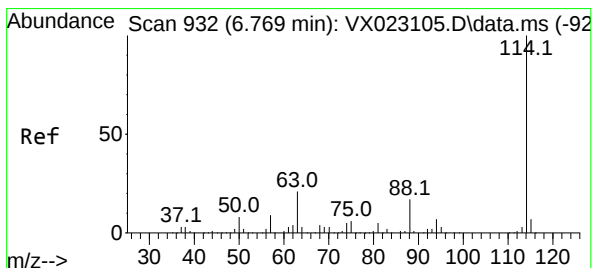
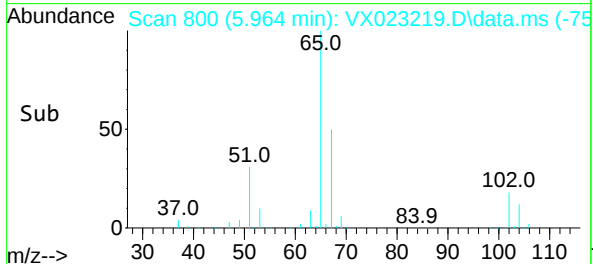
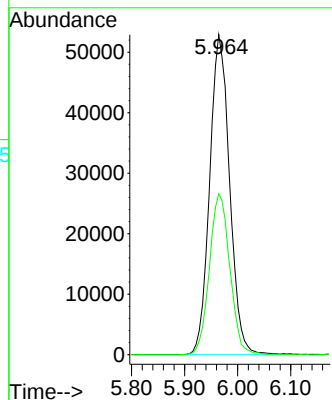
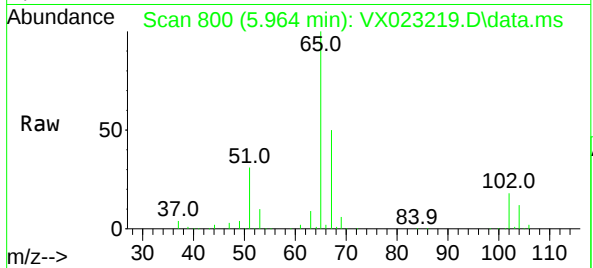




#33  
1,2-Dichloroethane-d4  
Concen: 49.736 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

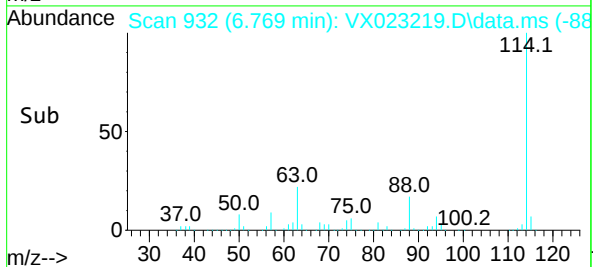
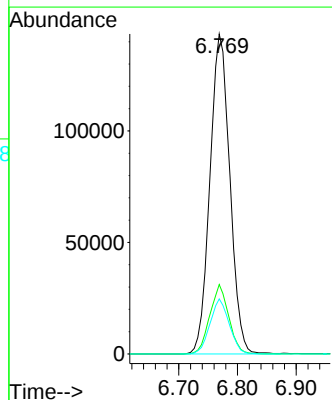
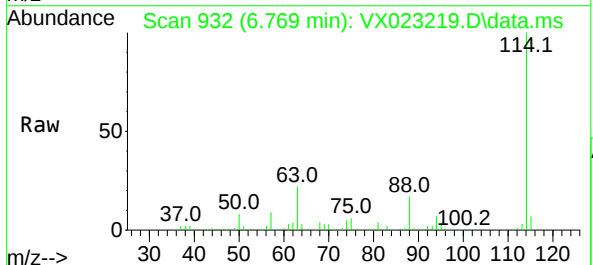
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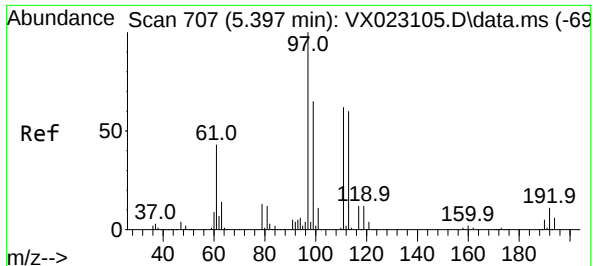
Tgt Ion: 65 Resp: 138099  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

Tgt Ion: 114 Resp: 338283  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 40.8  
88 17.2 0.0 32.8

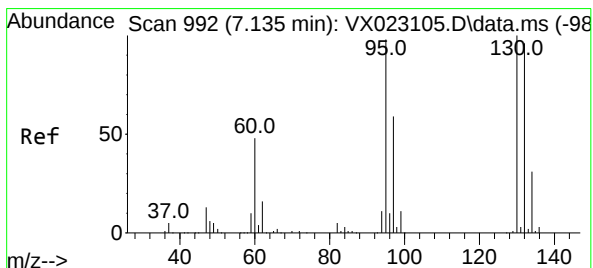
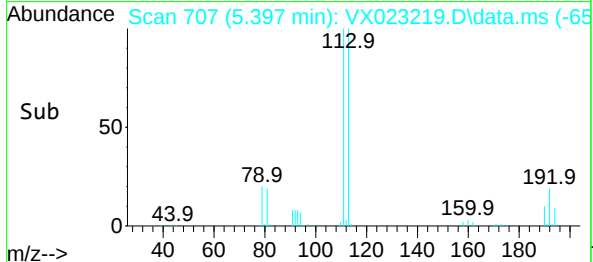
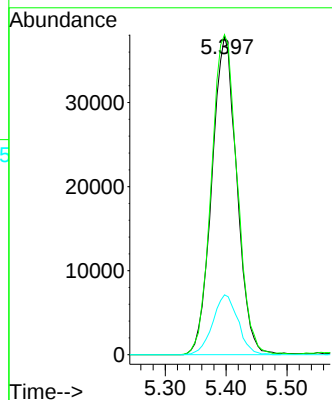
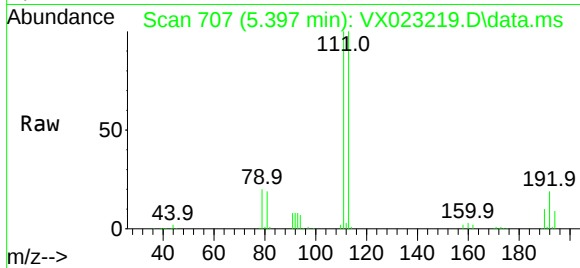




#35  
Dibromofluoromethane  
Concen: 49.263 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

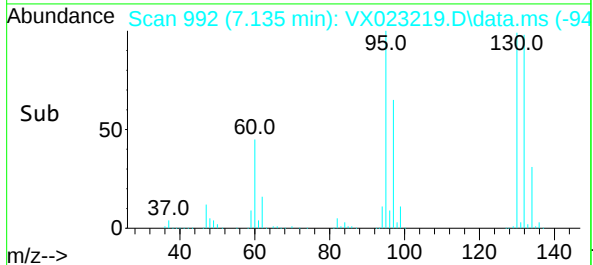
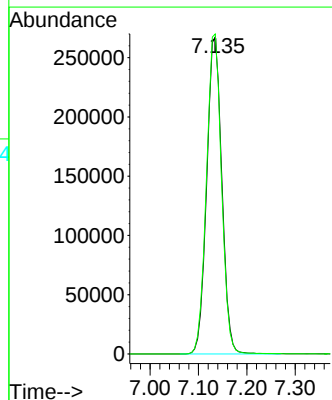
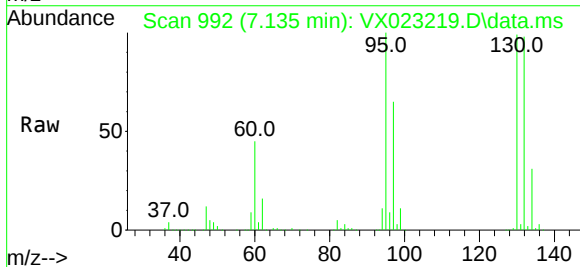
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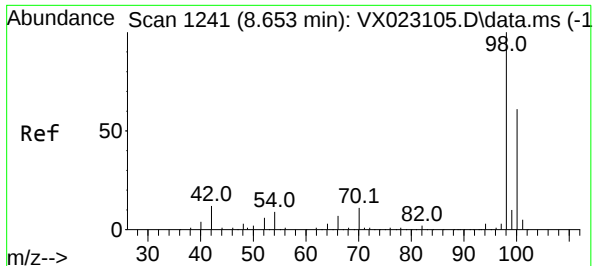
Tgt Ion:113 Resp: 107615  
Ion Ratio Lower Upper  
113 100  
111 104.1 81.9 122.9  
192 19.1 16.7 25.1



#44  
Trichloroethene  
Concen: 234.096 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

Tgt Ion:130 Resp: 581445  
Ion Ratio Lower Upper  
130 100  
95 101.0 0.0 198.0

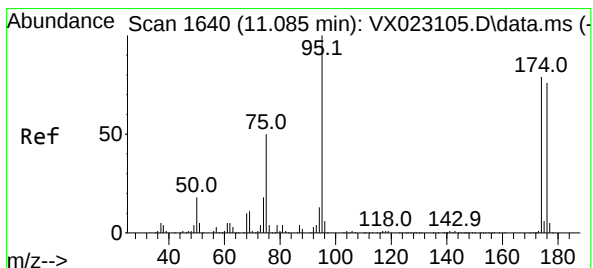
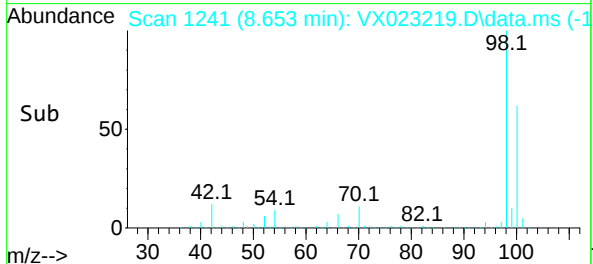
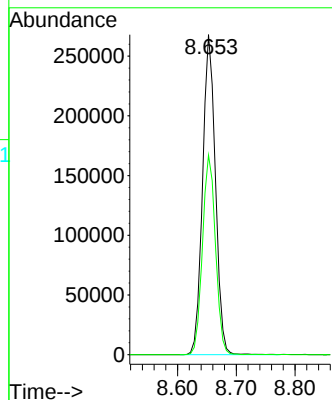
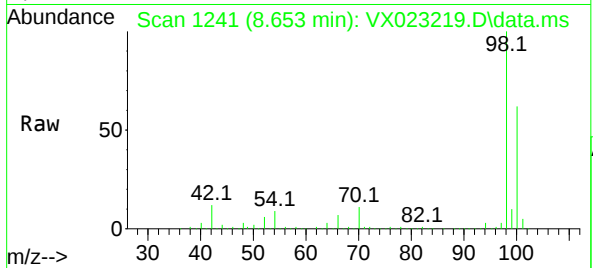




#50  
Toluene-d8  
Concen: 49.923 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

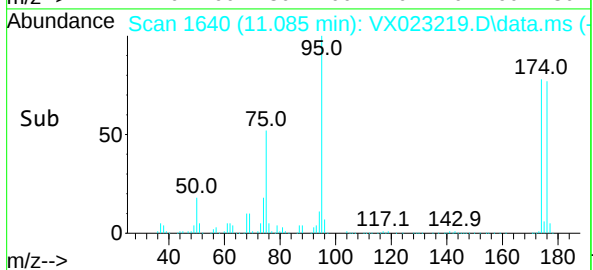
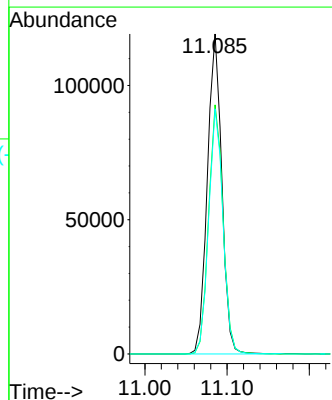
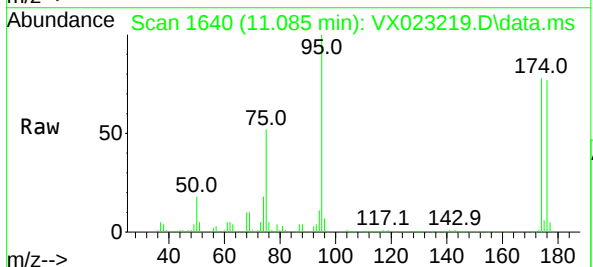
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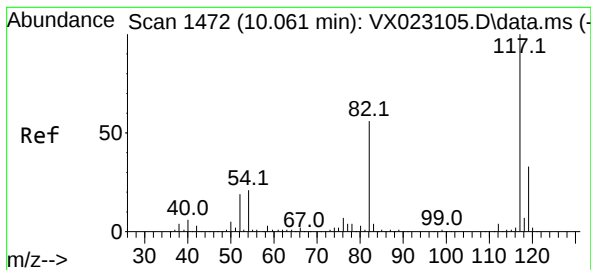
Tgt Ion: 98 Resp: 406808  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 46.180 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

Tgt Ion: 95 Resp: 145274  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 154.6  
176 76.0 0.0 155.8

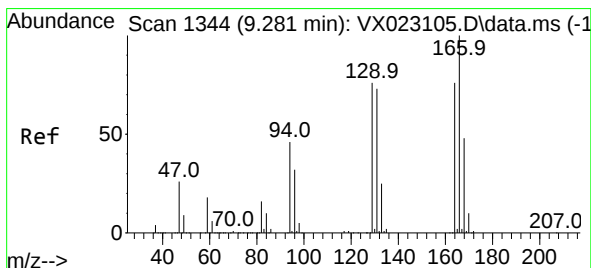
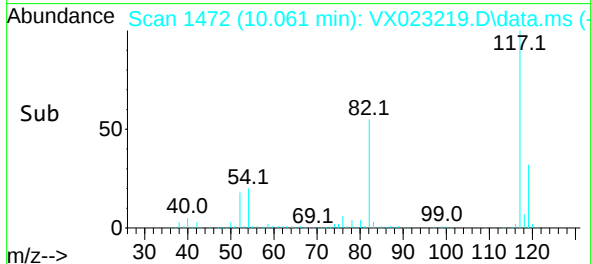
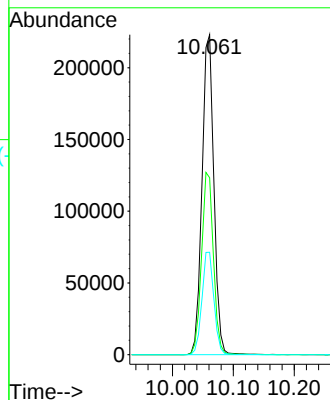
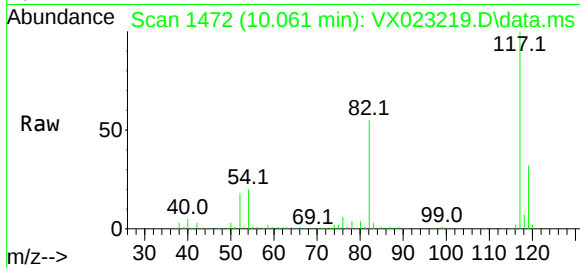




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

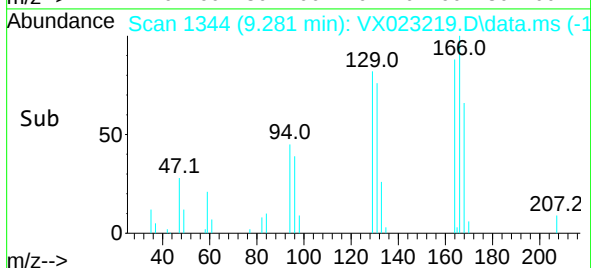
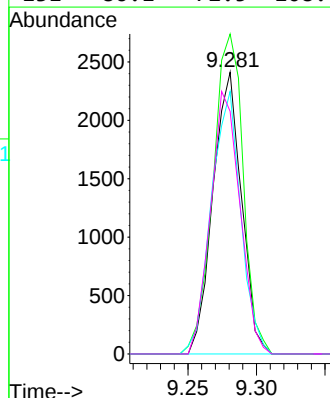
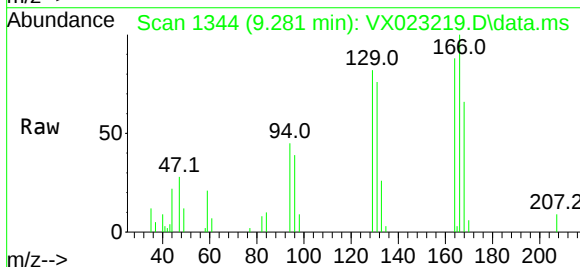
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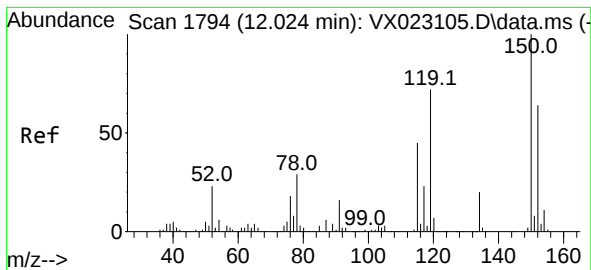
Tgt Ion:117 Resp: 302085  
Ion Ratio Lower Upper  
117 100  
82 55.3 47.4 71.2  
119 32.0 26.6 39.8



#64  
Tetrachloroethene  
Concen: 1.446 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. -0.000 min  
Lab File: VX023219.D  
Acq: 09 Jul 2021 14:30

Tgt Ion:164 Resp: 3485  
Ion Ratio Lower Upper  
164 100  
166 113.6 103.4 155.2  
129 93.2 70.8 106.2  
131 86.1 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: VX023219.D  
 Acq: 09 Jul 2021 14:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-06-1.5-6.5-070621DL

Tgt Ion:152 Resp: 127292  
 Ion Ratio Lower Upper  
 152 100  
 115 61.6 41.1 123.3  
 150 156.3 0.0 349.0

