

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081721\  
 Data File : VX023773.D  
 Acq On : 17 Aug 2021 19:14  
 Operator : JC/MD  
 Sample : M3389-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CRT-17

Quant Time: Aug 18 06:12:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

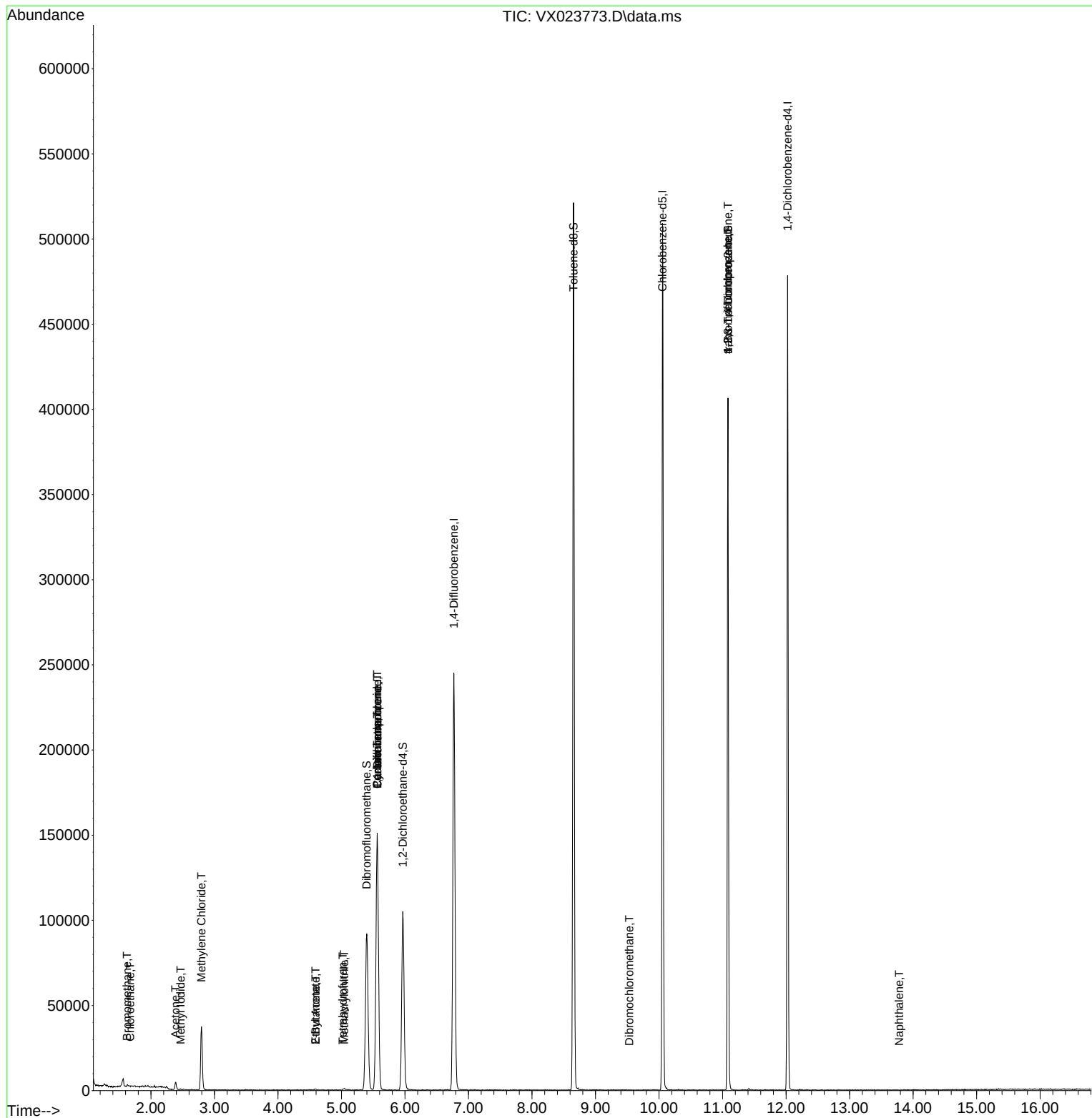
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.562     | 168            | 139952   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114            | 241611   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 222743   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152            | 94253    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65             | 100761   | 51.585     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | = 103.180% |        |          |
| 35) Dibromofluoromethane      | 5.397     | 113            | 78624    | 49.166     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | = 98.340%  |        |          |
| 50) Toluene-d8                | 8.653     | 98             | 294712   | 48.421     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | = 96.840%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95             | 102083   | 45.560     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | = 91.120%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            | Qvalue |          |
| 5) Bromomethane               | 1.624     | 94             | 636      | 0.640      | ug/l   | 82       |
| 6) Chloroethane               | 1.672     | 64             | 97       | 2.288      | ug/l # | 43       |
| 10) Methyl Iodide             | 2.465     | 142            | 545      | 0.279      | ug/l # | 84       |
| 16) Acetone                   | 2.386     | 43             | 4611     | 5.280      | ug/l # | 86       |
| 20) Methylene Chloride        | 2.794     | 84             | 16574    | 9.935      | ug/l   | 89       |
| 25) 2-Butanone                | 4.593     | 43             | 830      | 0.627      | ug/l # | 45       |
| 29) Tetrahydrofuran           | 5.019     | 42             | 251      | 0.293      | ug/l # | 85       |
| 31) Cyclohexane               | 5.562     | 56             | 3134     | 1.249      | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 5.562     | 75             | 11045    | 4.936      | ug/l # | 48       |
| 37) Ethyl Acetate             | 4.593     | 43             | 830      | 0.302      | ug/l # | 64       |
| 38) Carbon Tetrachloride      | 5.562     | 117            | 14255    | 6.110      | ug/l # | 15       |
| 41) Methacrylonitrile         | 5.044     | 41             | 347      | 0.233      | ug/l # | 29       |
| 60) Dibromochloromethane      | 9.531     | 129            | 50       | 1.713      | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75             | 54020    | 24.569     | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75             | 54020    | 72.272     | ug/l # | 12       |
| 95) Naphthalene               | 13.780    | 128            | 46       | 1.289      | ug/l # | 69       |
| -----                         |           |                |          |            |        |          |

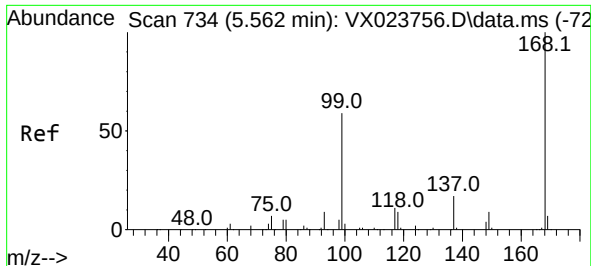
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081721\  
Data File : VX023773.D  
Acq On : 17 Aug 2021 19:14  
Operator : JC/MD  
Sample : M3389-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
CRT-17

Quant Time: Aug 18 06:12:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

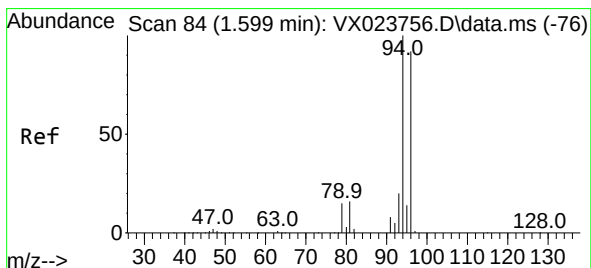
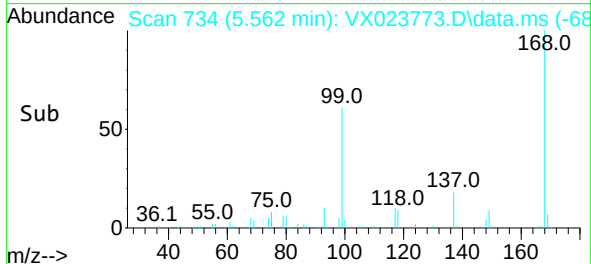
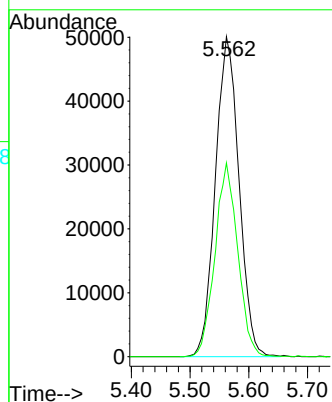
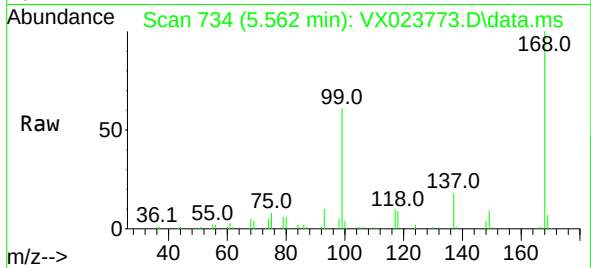




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

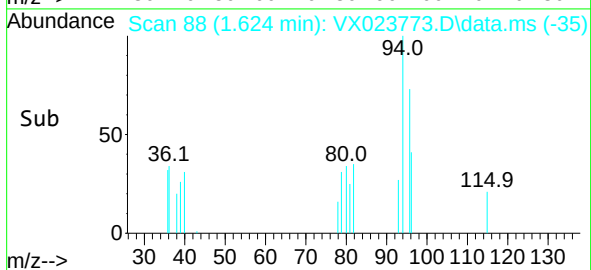
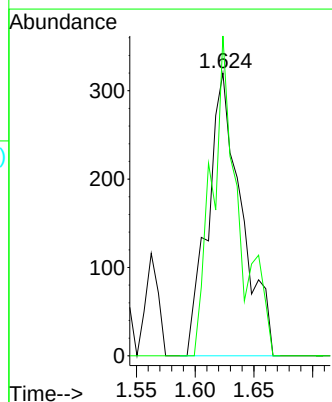
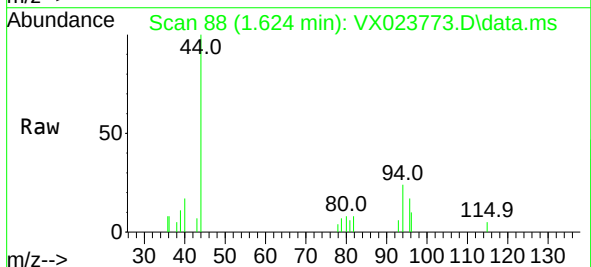
Instrument :  
MSVOA\_X  
ClientSampleId :  
CRT-17

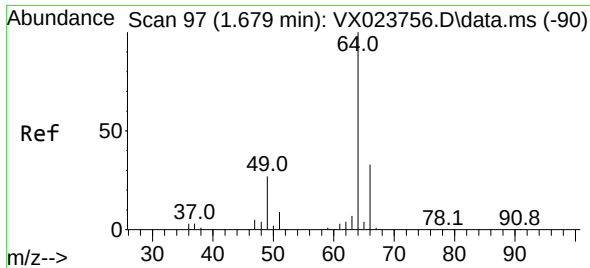
Tgt Ion:168 Resp: 139952  
Ion Ratio Lower Upper  
168 100  
99 60.5 45.8 68.6



#5  
Bromomethane  
Concen: 0.640 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.025 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 94 Resp: 636  
Ion Ratio Lower Upper  
94 100  
96 113.1 76.4 114.6

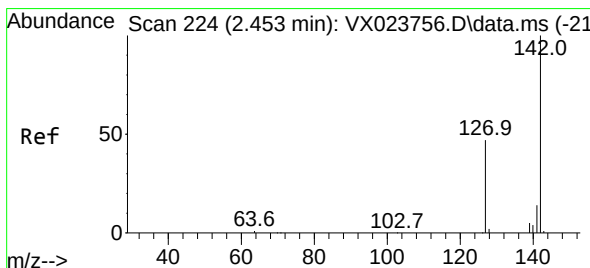
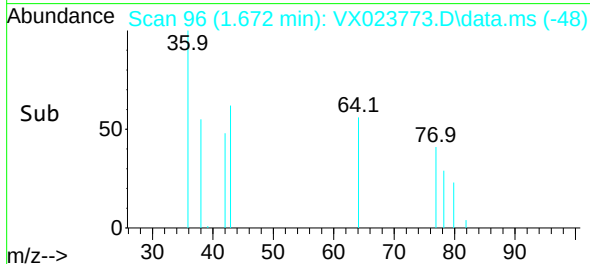
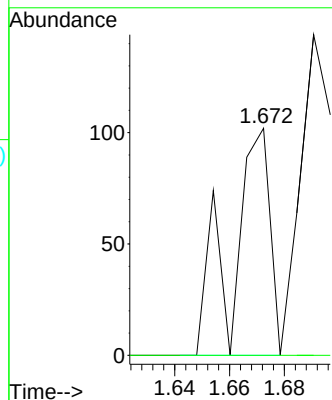
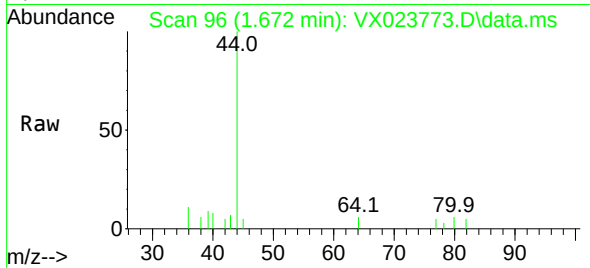




#6  
Chloroethane  
Concen: 2.288 ug/l  
RT: 1.672 min Scan# 96  
Delta R.T. -0.007 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

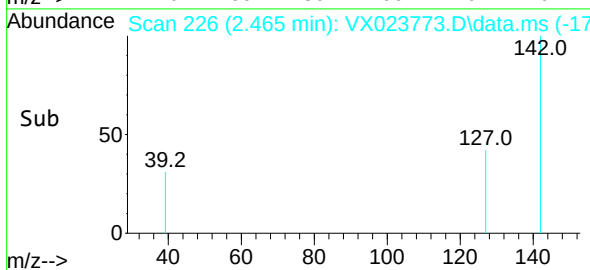
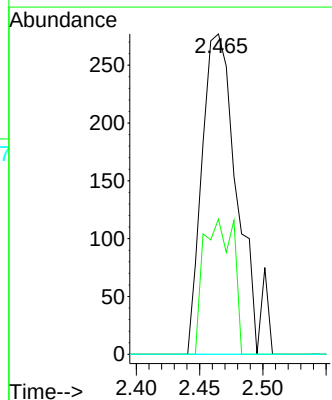
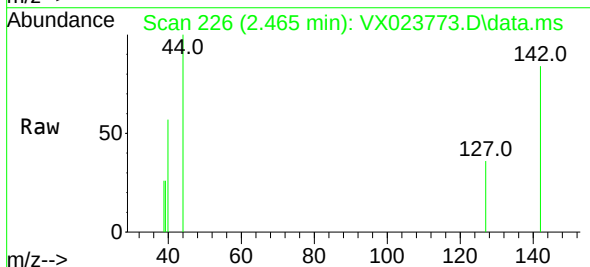
Instrument :  
MSVOA\_X  
ClientSampleId :  
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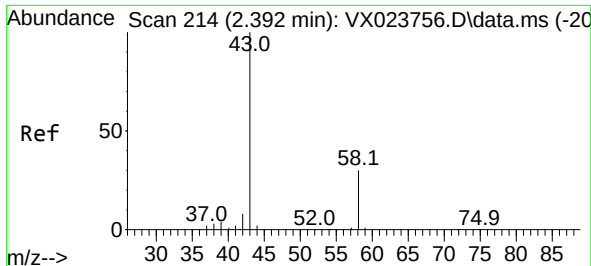
Tgt Ion: 64 Resp: 97  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



#10  
Methyl Iodide  
Concen: 0.279 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 142 Resp: 545  
Ion Ratio Lower Upper  
142 100  
127 35.2 33.3 49.9  
141 0.0 11.4 17.0#

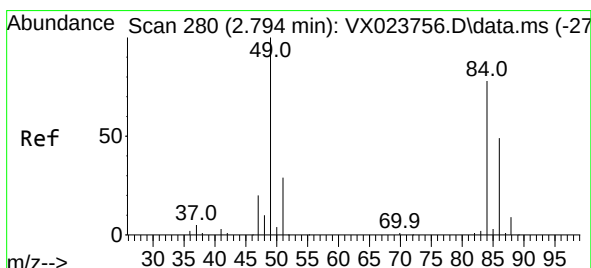
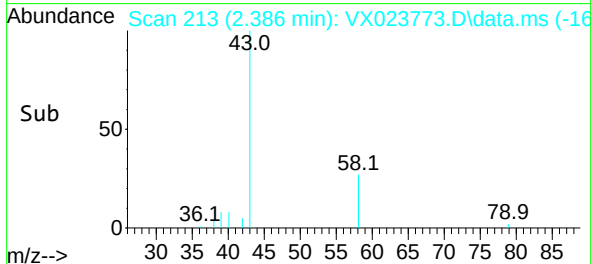
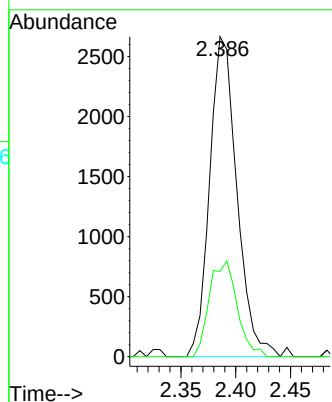
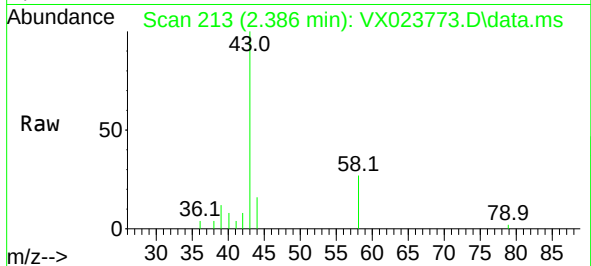




#16  
Acetone  
Concen: 5.280 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

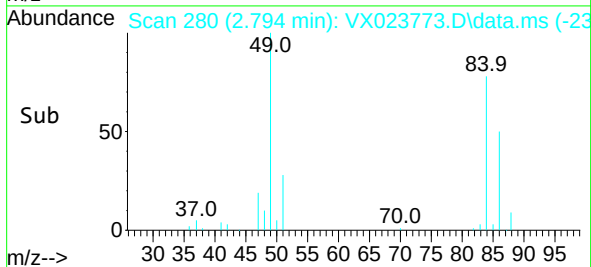
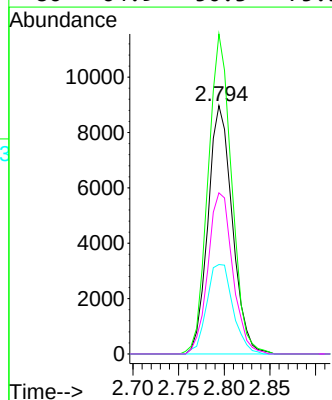
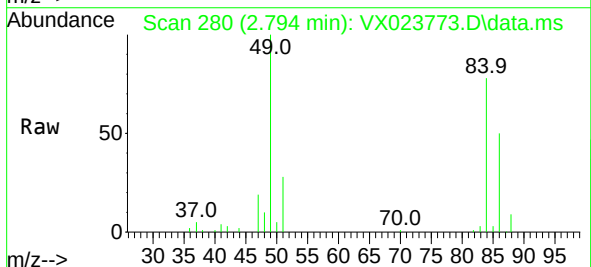
Instrument :  
MSVOA\_X  
ClientSampled :  
CRT-17

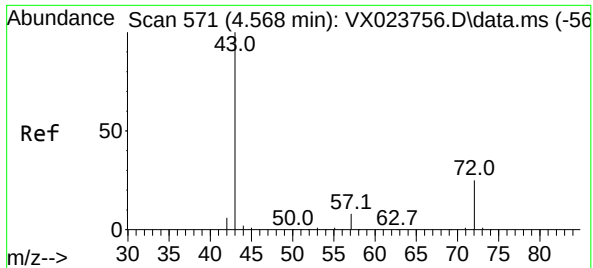
Tgt Ion: 43 Resp: 4611  
Ion Ratio Lower Upper  
43 100  
58 26.6 27.8 41.8#



#20  
Methylene Chloride  
Concen: 9.935 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 84 Resp: 16574  
Ion Ratio Lower Upper  
84 100  
49 128.9 88.6 132.8  
51 36.0 27.0 40.6  
86 64.9 50.3 75.5

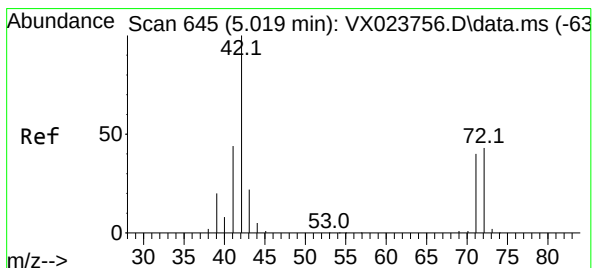
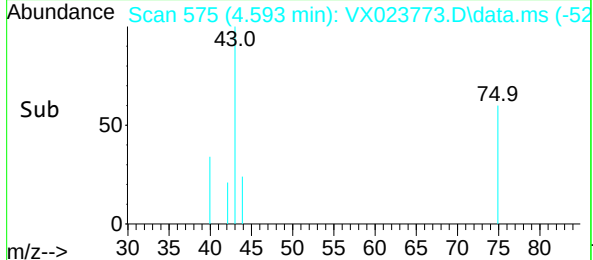
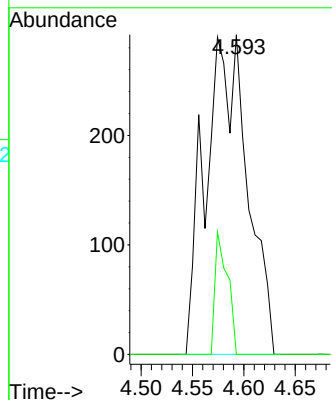
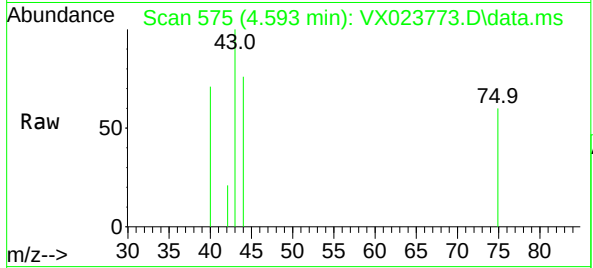




#25  
2-Butanone  
Concen: 0.627 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. 0.025 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

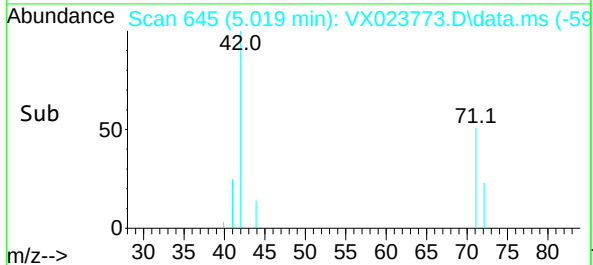
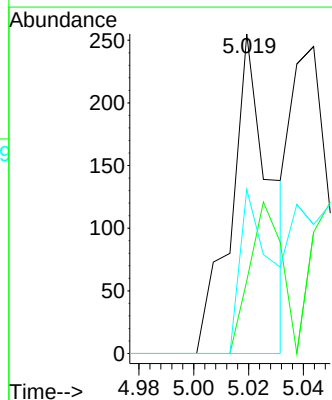
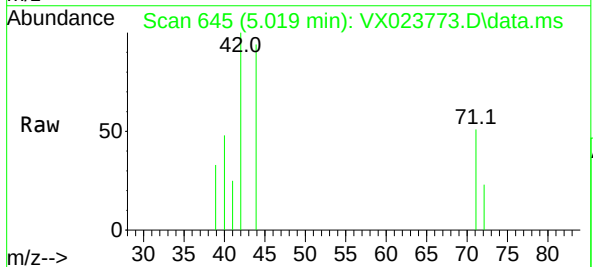
Instrument :  
MSVOA\_X  
ClientSampled :  
CRT-17

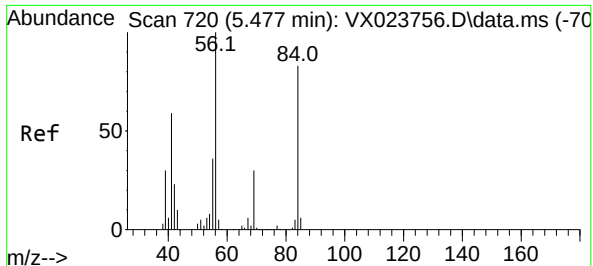
Tgt Ion: 43 Resp: 830  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.7 35.5#



#29  
Tetrahydrofuran  
Concen: 0.293 ug/l  
RT: 5.019 min Scan# 645  
Delta R.T. 0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 42 Resp: 251  
Ion Ratio Lower Upper  
42 100  
72 39.0 41.7 62.5#  
71 40.6 38.4 57.6

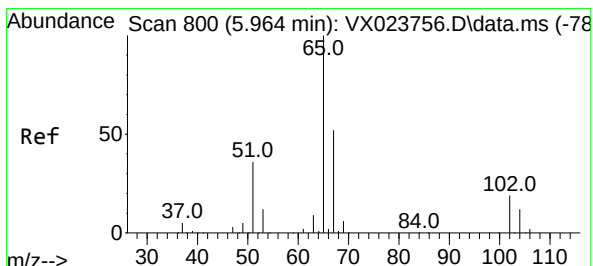
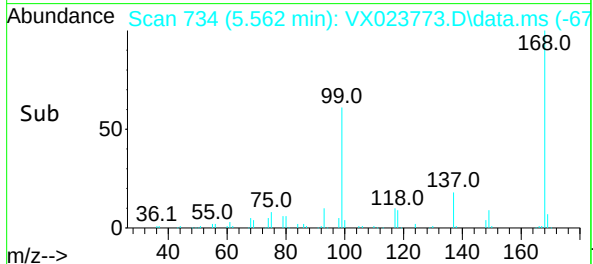
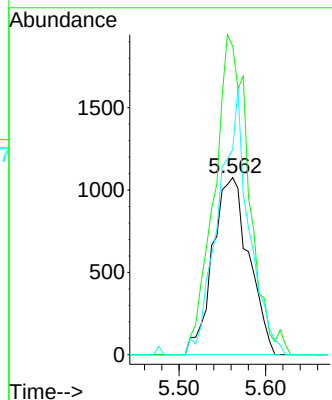
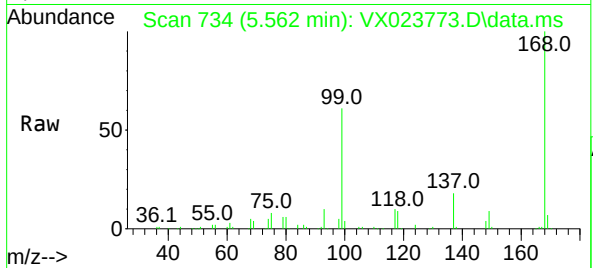




#31  
Cyclohexane  
Concen: 1.249 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

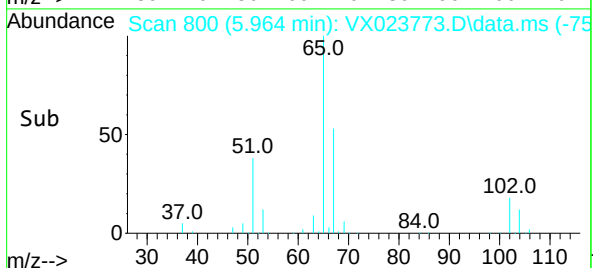
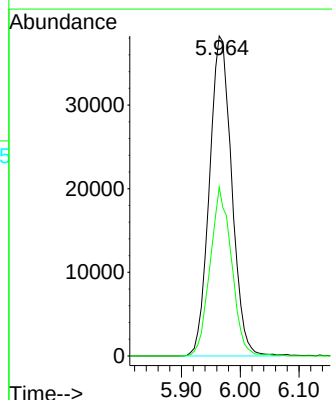
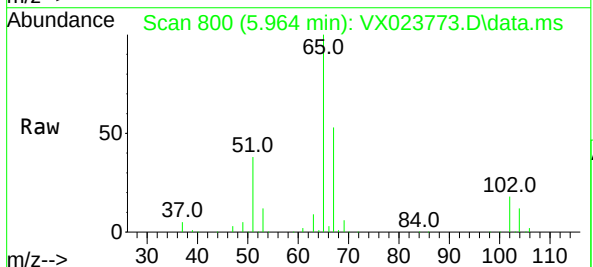
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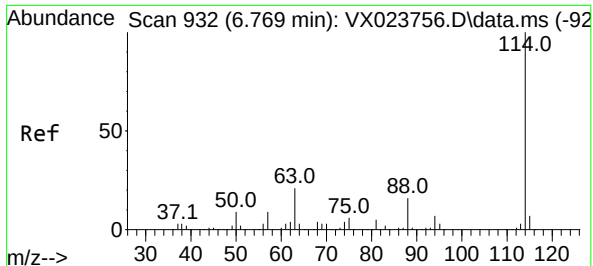
Tgt Ion: 56 Resp: 3134  
Ion Ratio Lower Upper  
56 100  
69 174.1 25.3 37.9#  
84 115.7 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 51.585 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 65 Resp: 100761  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 105.4

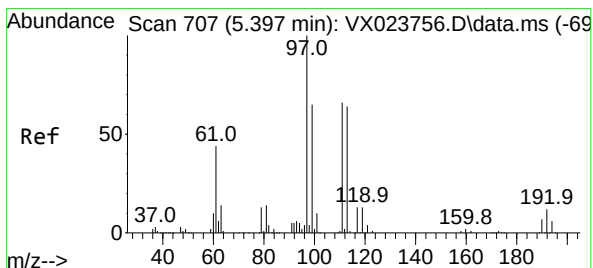
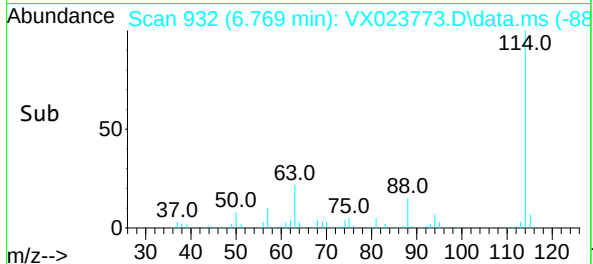
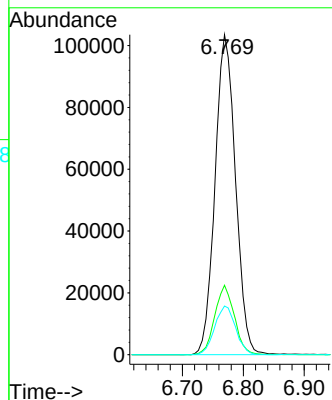
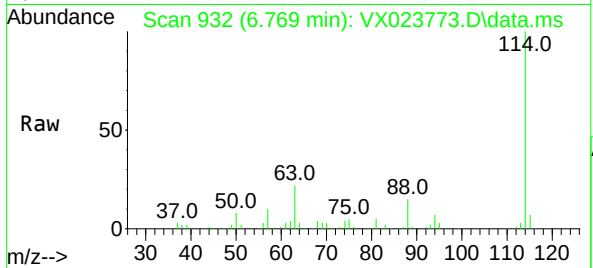




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

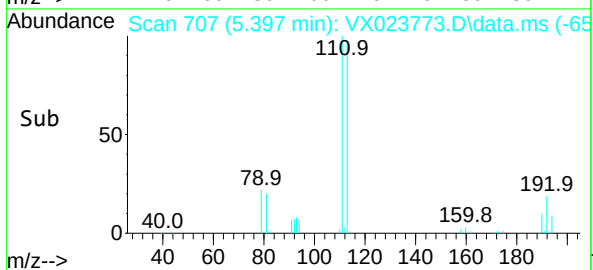
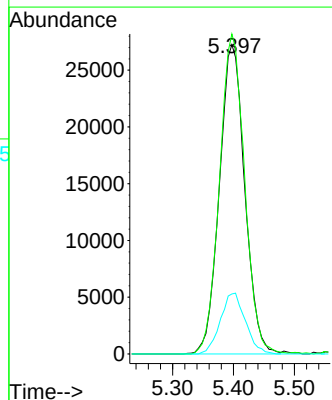
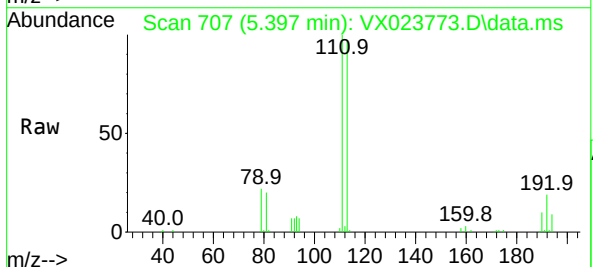
Instrument :  
MSVOA\_X  
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Tgt Ion:114 Resp: 241611  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 40.8  
88 15.2 0.0 32.8

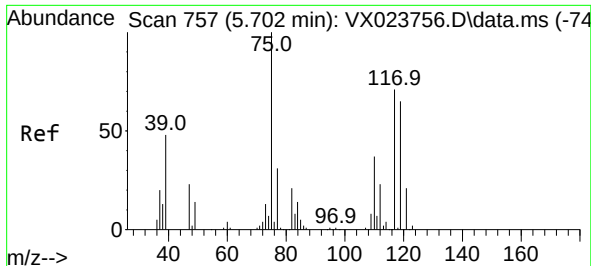


#35  
Dibromofluoromethane  
Concen: 49.166 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion:113 Resp: 78624  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.9 122.9  
192 19.4 16.7 25.1



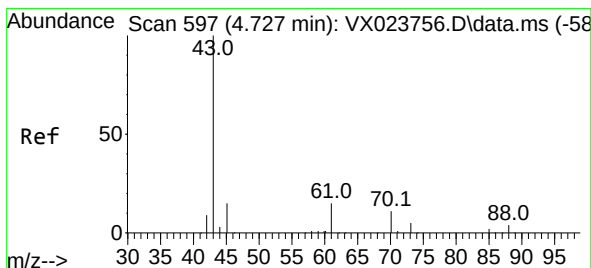
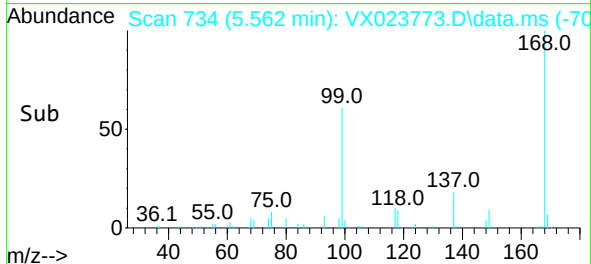
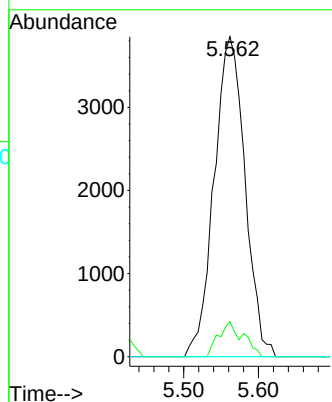
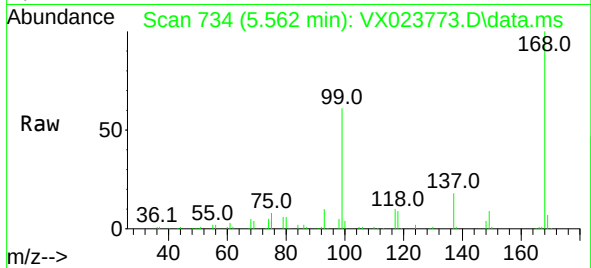




#36  
1,1-Dichloropropene  
Concen: 4.936 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

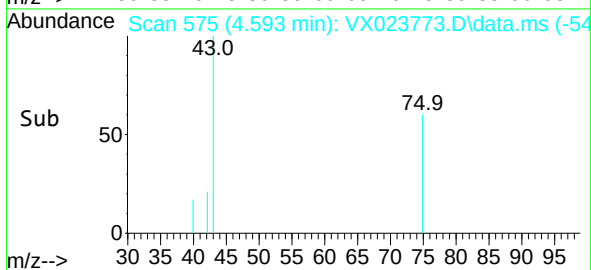
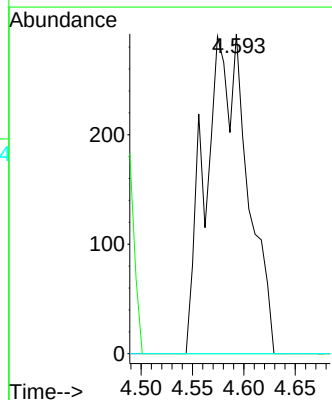
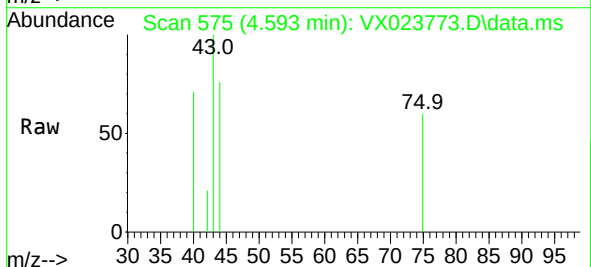
Instrument :  
MSVOA\_X  
ClientSampleId :  
CRT-17

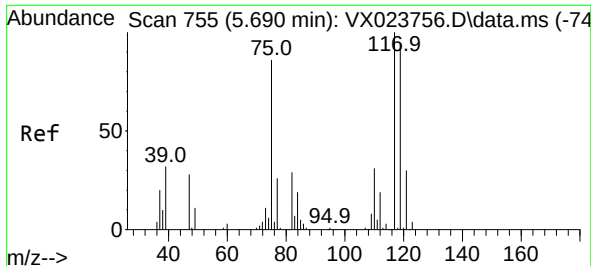
Tgt Ion: 75 Resp: 11045  
Ion Ratio Lower Upper  
75 100  
110 8.6 18.1 54.4#  
77 0.0 25.3 37.9#



#37  
Ethyl Acetate  
Concen: 0.302 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. -0.134 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

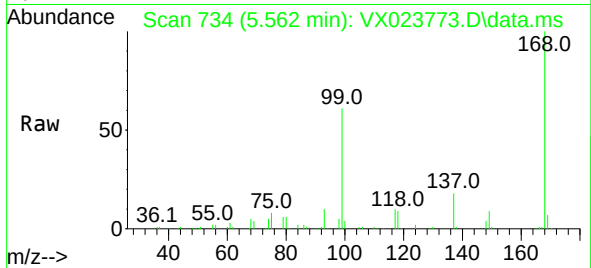
Tgt Ion: 43 Resp: 830  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.8 19.2#  
70 0.0 10.5 15.7#



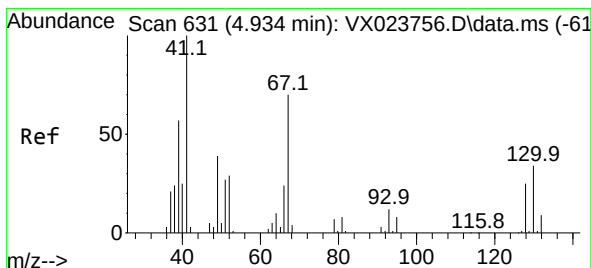
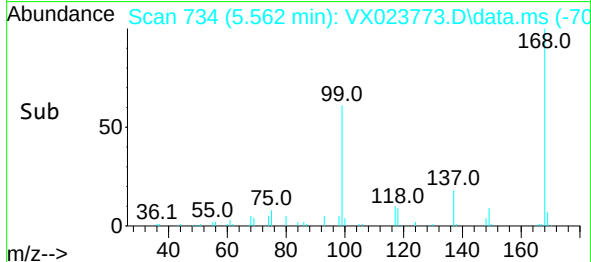
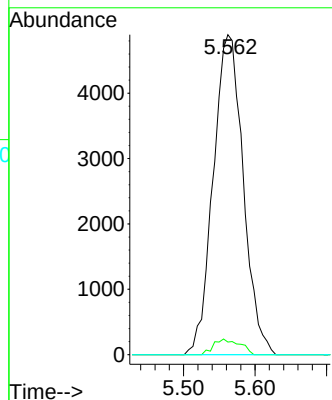


#38  
Carbon Tetrachloride  
Concen: 6.110 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Instrument :  
MSVOA\_X  
ClientSampled :  
CRT-17

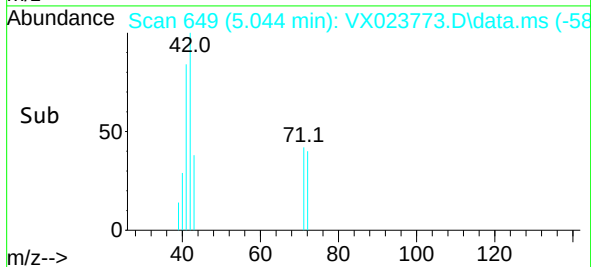
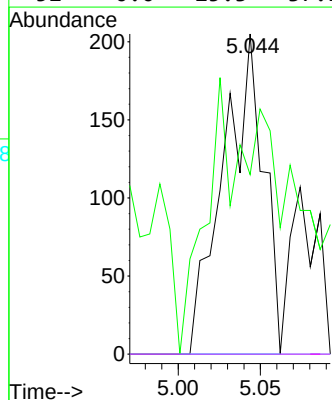
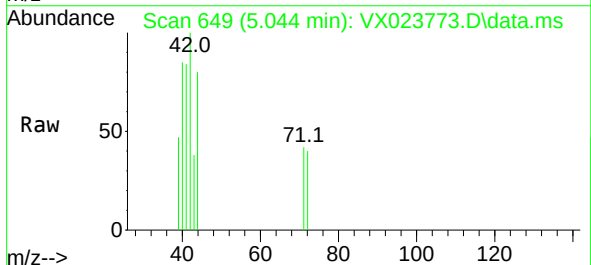


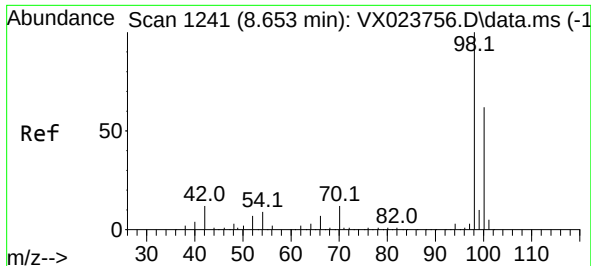
Tgt Ion: 117 Resp: 14255  
Ion Ratio Lower Upper  
117 100  
119 4.0 76.2 114.2#  
121 0.0 24.8 37.2#



#41  
Methacrylonitrile  
Concen: 0.233 ug/l  
RT: 5.044 min Scan# 649  
Delta R.T. 0.110 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 41 Resp: 347  
Ion Ratio Lower Upper  
41 100  
39 88.2 42.5 63.7#  
67 0.0 65.0 97.6#  
52 0.0 25.3 37.9#

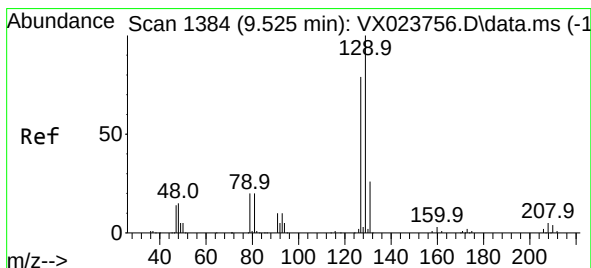
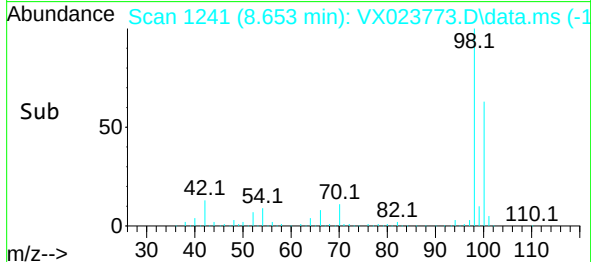
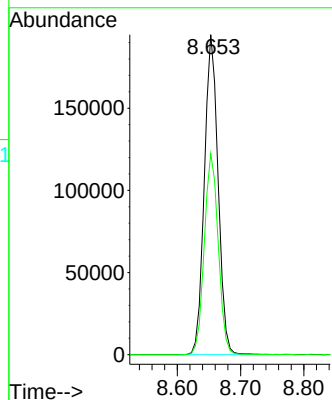
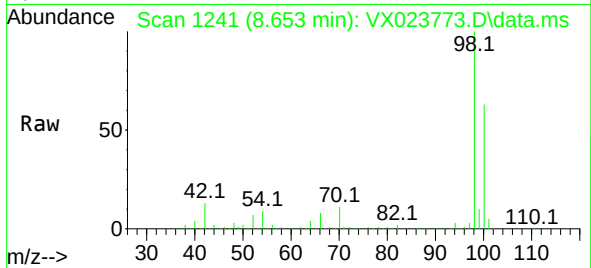




#50  
Toluene-d8  
Concen: 48.421 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

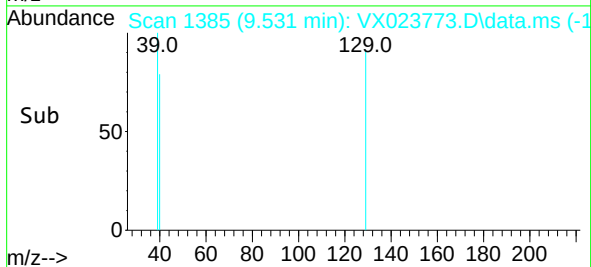
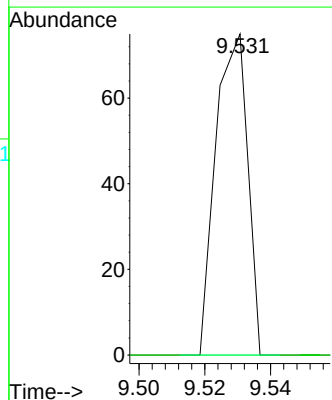
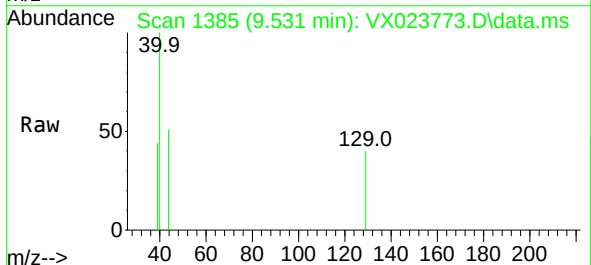
Instrument :  
MSVOA\_X  
ClientSampleId :  
CRT-17

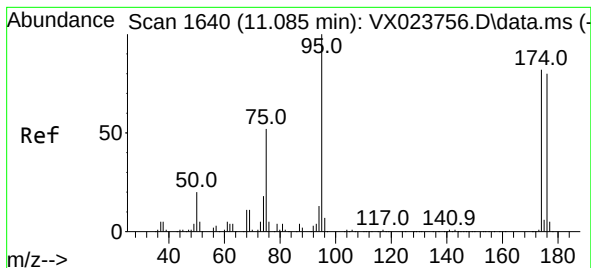
Tgt Ion: 98 Resp: 294712  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.9 77.9



#60  
Dibromochloromethane  
Concen: 1.713 ug/l  
RT: 9.531 min Scan# 1385  
Delta R.T. 0.006 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 129 Resp: 50  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

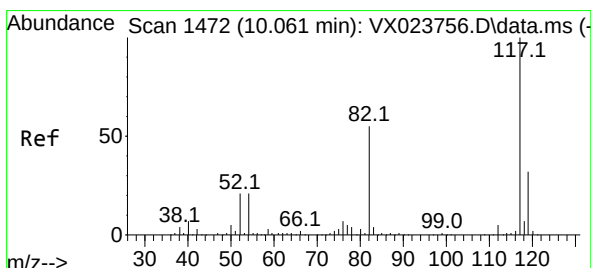
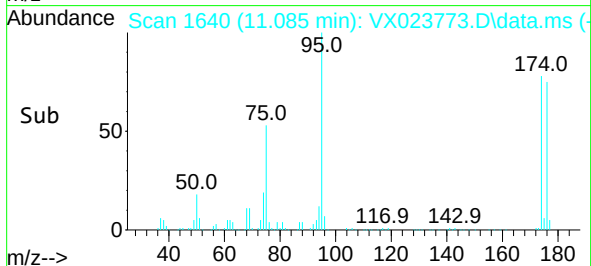
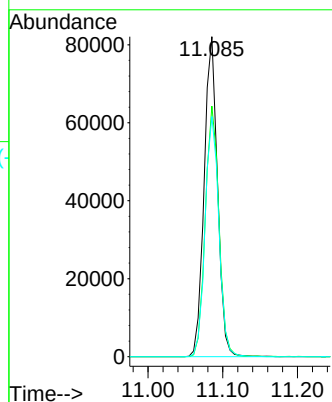
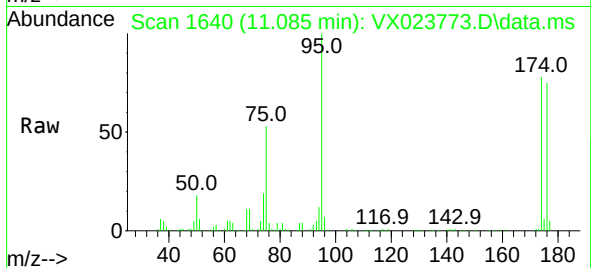




#62  
4-Bromofluorobenzene  
Concen: 45.560 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

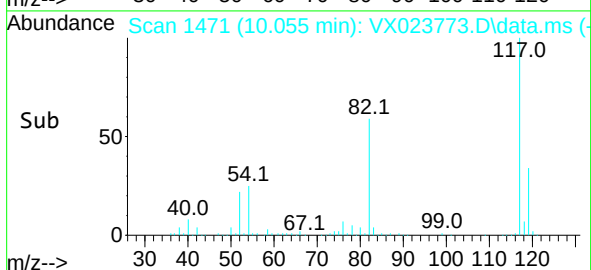
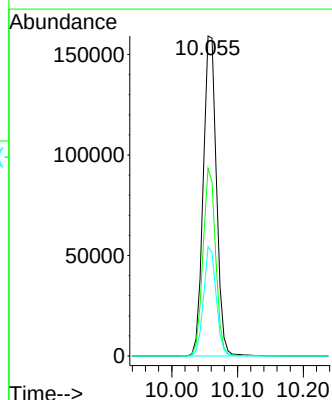
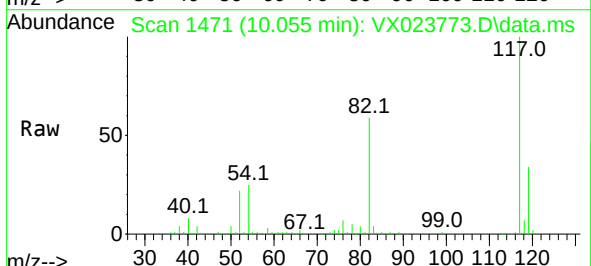
Instrument :  
MSVOA\_X  
ClientSampleId :  
CRT-17

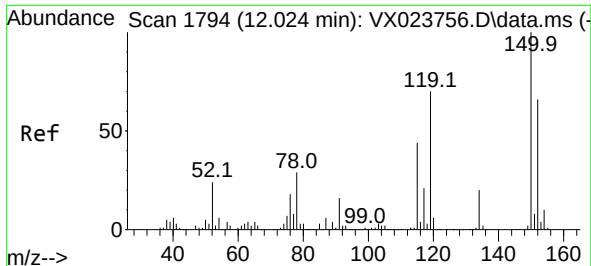
Tgt Ion: 95 Resp: 102083  
Ion Ratio Lower Upper  
95 100  
174 79.9 0.0 154.6  
176 77.2 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 117 Resp: 222743  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.4 71.2  
119 34.1 26.6 39.8

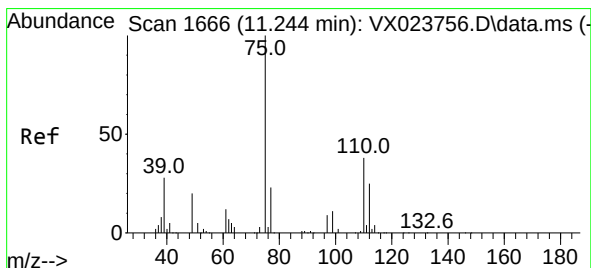
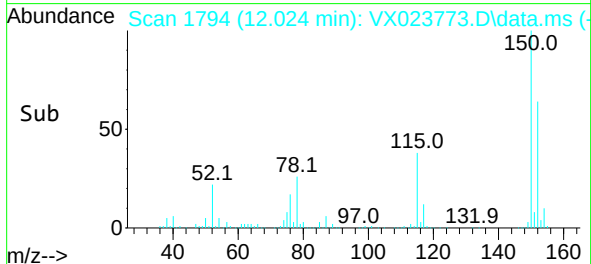
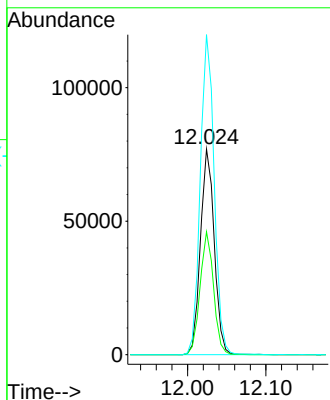
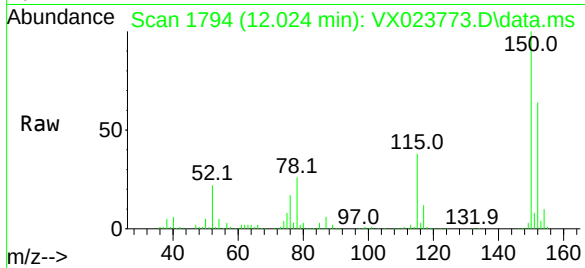




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023773.D  
 Acq: 17 Aug 2021 19:14

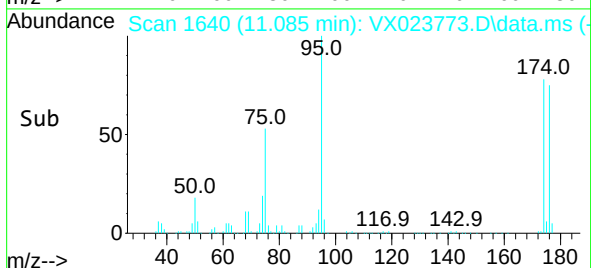
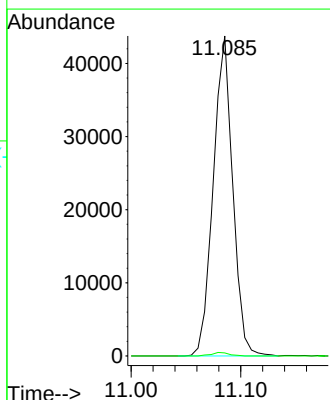
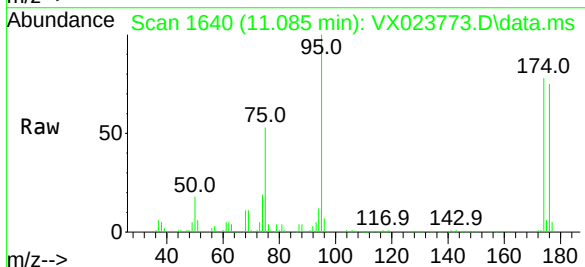
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CRT-17

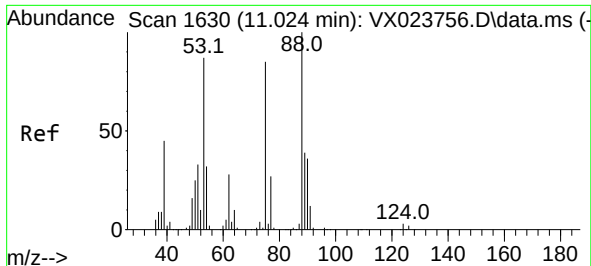
Tgt Ion:152 Resp: 94253  
 Ion Ratio Lower Upper  
 152 100  
 115 58.4 41.1 123.3  
 150 156.5 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.569 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023773.D  
 Acq: 17 Aug 2021 19:14

Tgt Ion: 75 Resp: 54020  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.1 57.5#

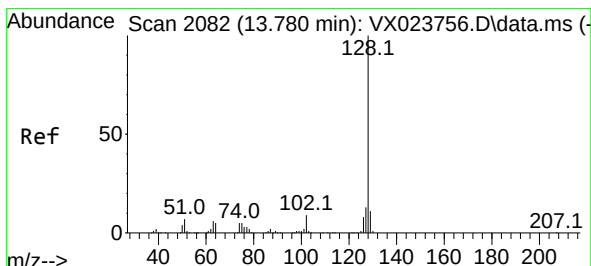
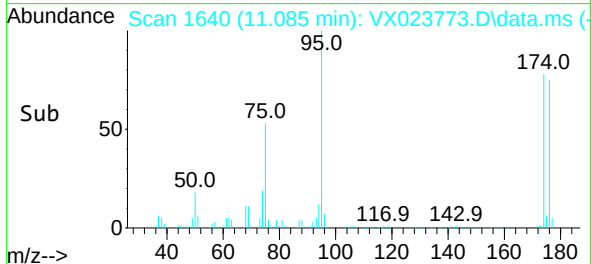
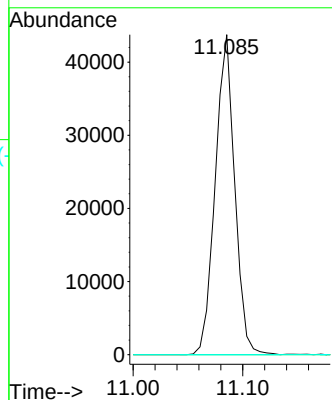
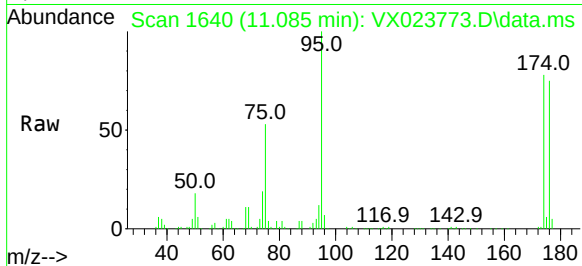




#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.272 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Instrument :  
MSVOA\_X  
ClientSampled :  
CRT-17

Tgt Ion: 75 Resp: 54020  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.289 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX023773.D  
Acq: 17 Aug 2021 19:14

Tgt Ion: 128 Resp: 46  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

