

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092121\  
 Data File : VX024381.D  
 Acq On : 21 Sep 2021 11:33  
 Operator : JC/MD  
 Sample : VX0921WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 21 15:39:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

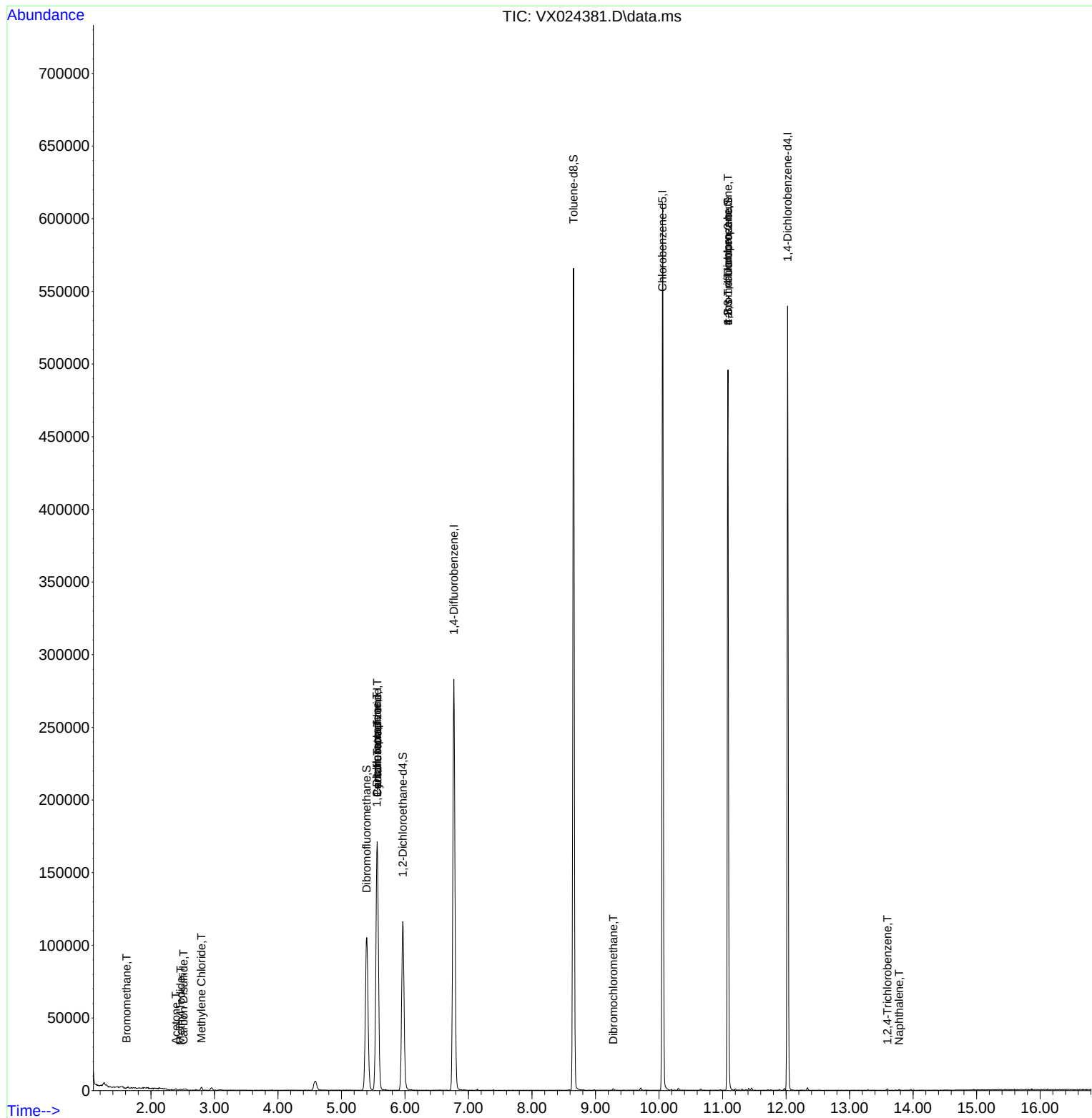
| Compound                      | R.T.   | QIon           | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|----------|
| -----                         |        |                |          |           |          |          |
| Internal Standards            |        |                |          |           |          |          |
| 1) Pentafluorobenzene         | 5.562  | 168            | 160140   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 281413   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 271507   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 105306   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65             | 118152   | 51.741    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =         | 103.480% |          |
| 35) Dibromofluoromethane      | 5.397  | 113            | 92867    | 49.207    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =         | 98.420%  |          |
| 50) Toluene-d8                | 8.653  | 98             | 324834   | 47.247    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =         | 94.500%  |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95             | 130347   | 48.717    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =         | 97.440%  |          |
| Target Compounds              |        |                |          |           |          |          |
|                               |        |                |          |           | Qvalue   |          |
| 5) Bromomethane               | 1.617  | 94             | 270      | 0.283     | ug/l #   | 69       |
| 10) Methyl Iodide             | 2.465  | 142            | 804      | 0.369     | ug/l #   | 92       |
| 11) Tert butyl alcohol        | 2.959  | 59             | 1209     | Below Cal | #        | 73       |
| 16) Acetone                   | 2.392  | 43             | 1023     | 1.051     | ug/l     | 97       |
| 17) Carbon Disulfide          | 2.514  | 76             | 881      | 0.238     | ug/l #   | 75       |
| 20) Methylene Chloride        | 2.794  | 84             | 864      | 0.462     | ug/l #   | 85       |
| 31) Cyclohexane               | 5.562  | 56             | 3217     | 1.204     | ug/l #   | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75             | 12652    | 4.890     | ug/l #   | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117            | 16631    | 5.711     | ug/l #   | 16       |
| 60) Dibromochloromethane      | 9.281  | 129            | 156      | 1.790     | ug/l #   | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75             | 67697    | 27.958    | ug/l #   | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75             | 67697    | 82.224    | ug/l #   | 12       |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180            | 458      | 0.224     | ug/l     | 86       |
| 95) Naphthalene               | 13.780 | 128            | 675      | 1.374     | ug/l #   | 73       |
| -----                         |        |                |          |           |          |          |

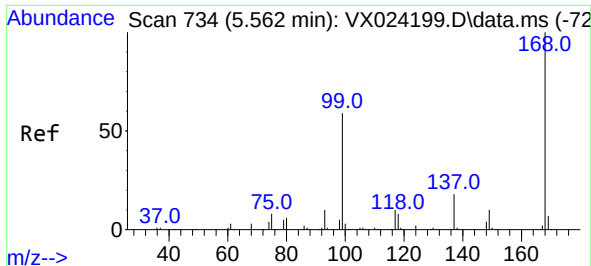
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092121\  
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Sample : VX0921WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 21 15:39:05 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 21 10:52:48 2021  
Response via : Initial Calibration

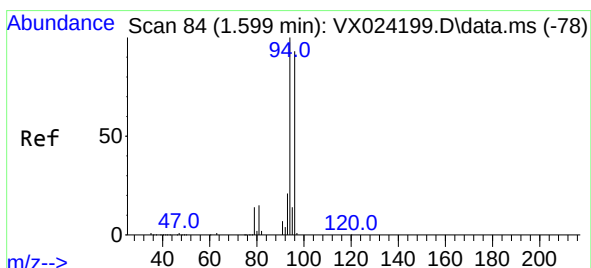
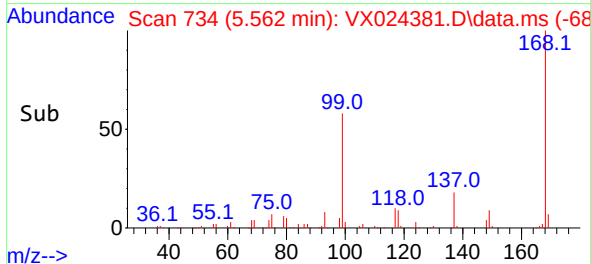
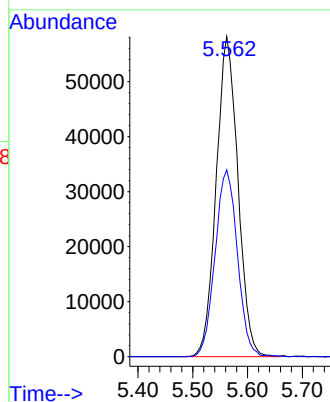
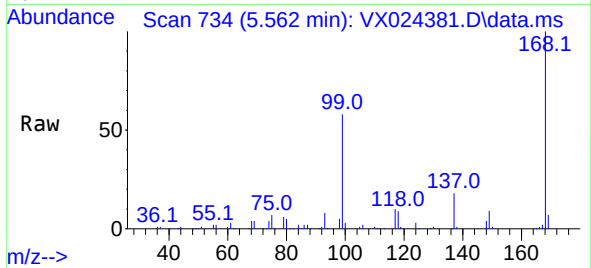




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

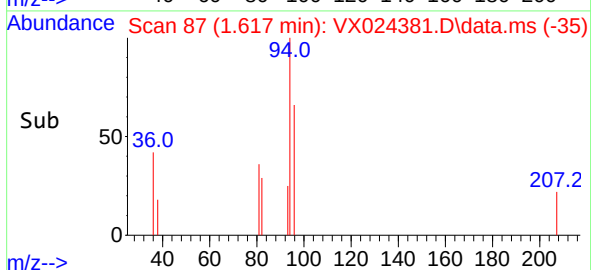
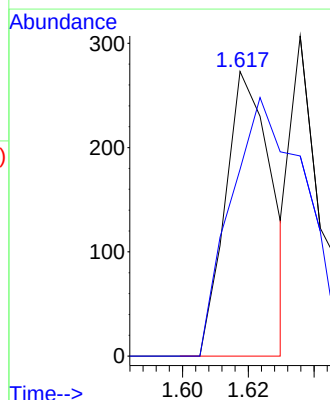
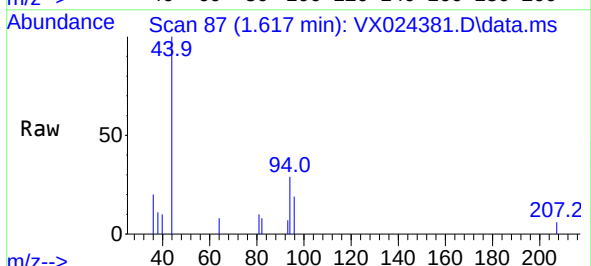
Instrument :  
MSVOA\_X  
ClientSampled :

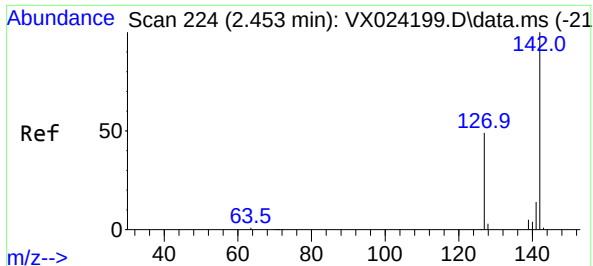
Tgt Ion:168 Resp: 160140  
Ion Ratio Lower Upper  
168 100  
99 58.4 45.8 68.6



#5  
Bromomethane  
Concen: 0.283 ug/l  
RT: 1.617 min Scan# 87  
Delta R.T. 0.018 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

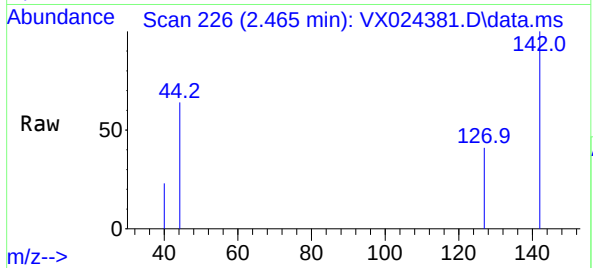
Tgt Ion: 94 Resp: 270  
Ion Ratio Lower Upper  
94 100  
96 65.6 76.4 114.6#



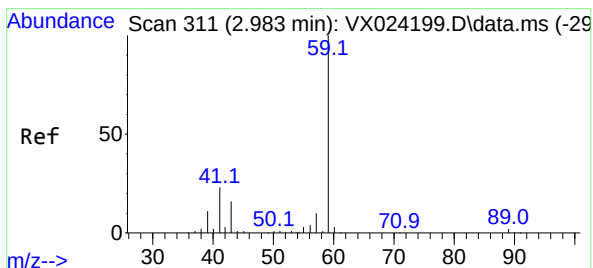
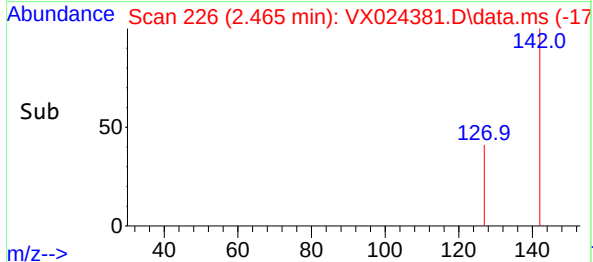
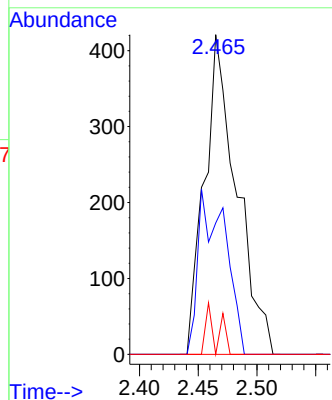


#10  
Methyl Iodide  
Concen: 0.369 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Instrument :  
MSVOA\_X  
ClientSampled :

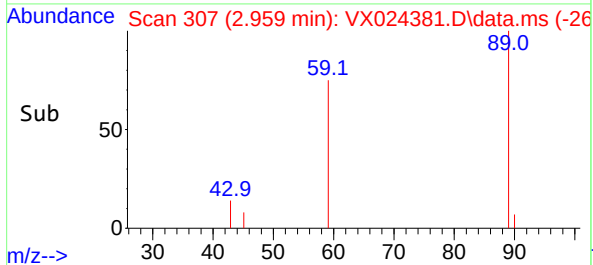
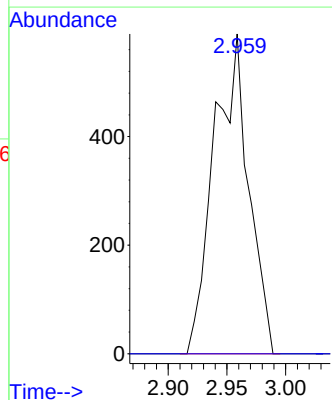
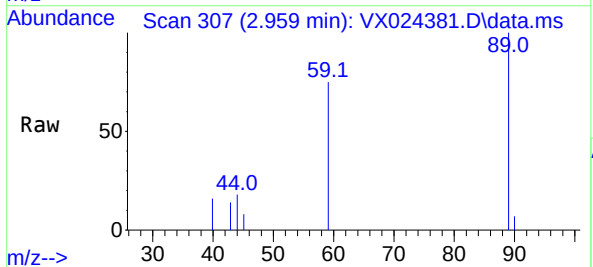


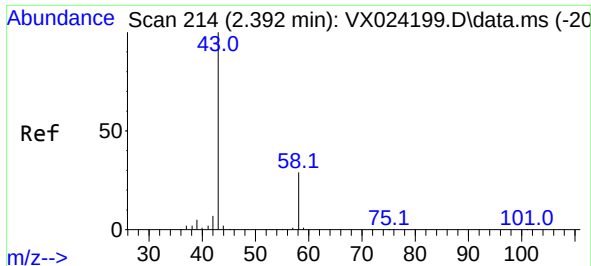
Tgt Ion:142 Resp: 804  
Ion Ratio Lower Upper  
142 100  
127 43.8 33.3 49.9  
141 5.6 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 307  
Delta R.T. -0.024 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Tgt Ion: 59 Resp: 1209  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

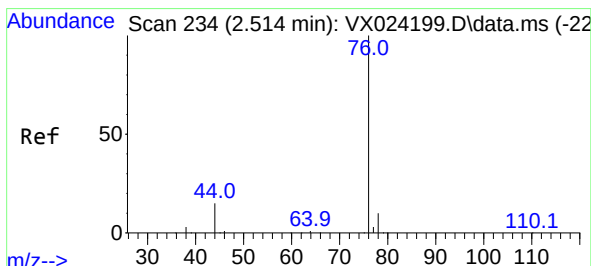
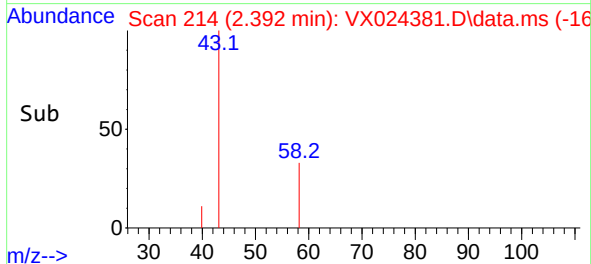
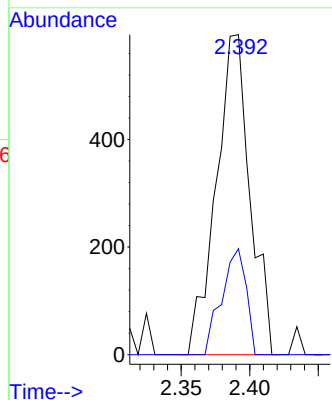
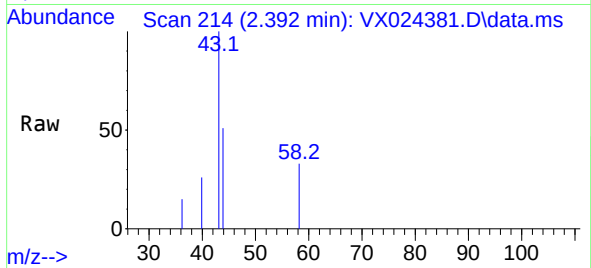




#16  
Acetone  
Concen: 1.051 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

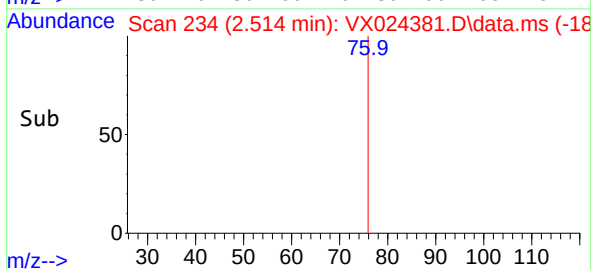
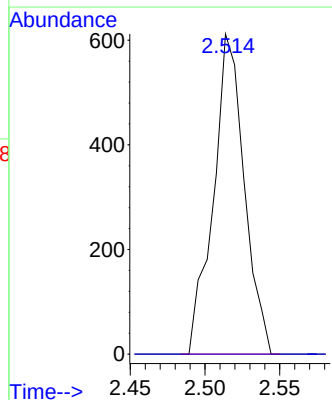
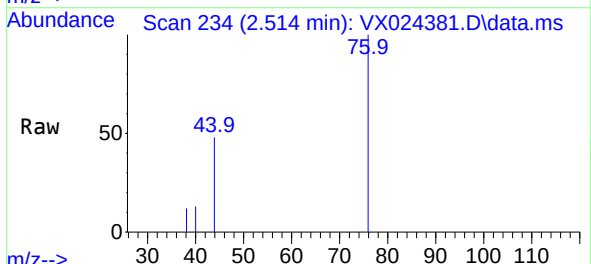
Instrument :  
MSVOA\_X  
ClientSampled :

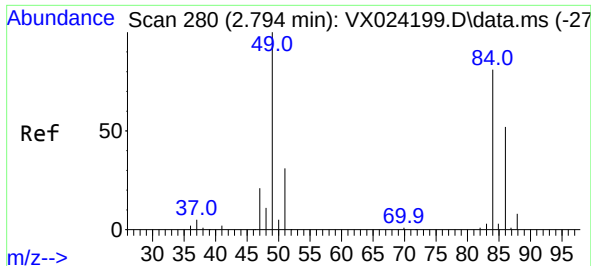
Tgt Ion: 43 Resp: 1023  
Ion Ratio Lower Upper  
43 100  
58 33.1 27.8 41.8



#17  
Carbon Disulfide  
Concen: 0.238 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Tgt Ion: 76 Resp: 881  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.462 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024381.D

Acq: 21 Sep 2021 11:33

Tgt Ion: 84 Resp: 864

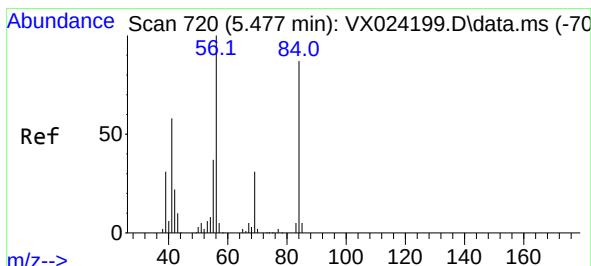
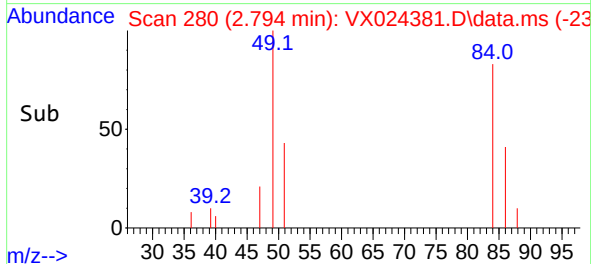
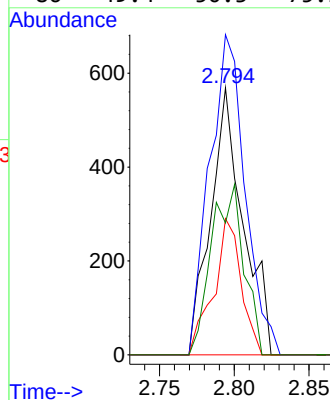
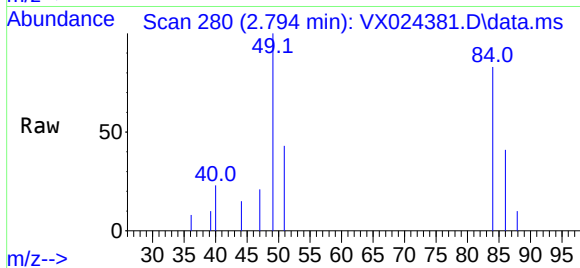
Ion Ratio Lower Upper

84 100

49 119.9 88.6 132.8

51 51.0 27.0 40.6#

86 49.4 50.3 75.5#



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024381.D

Acq: 21 Sep 2021 11:33

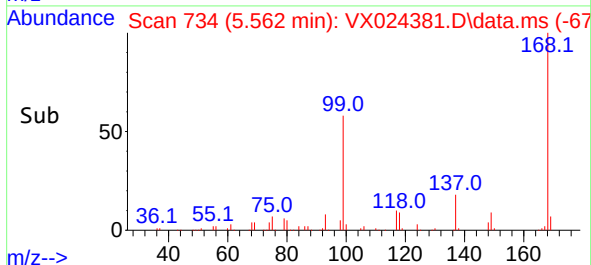
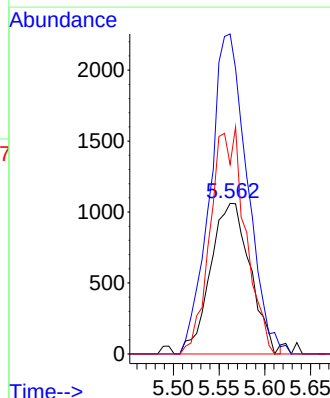
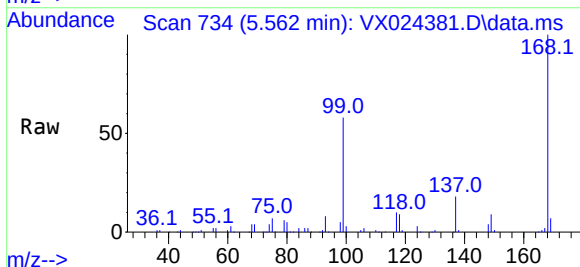
Tgt Ion: 56 Resp: 3217

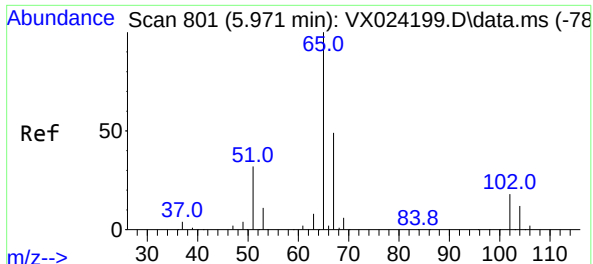
Ion Ratio Lower Upper

56 100

69 212.5 25.3 37.9#

84 125.8 71.4 107.0#



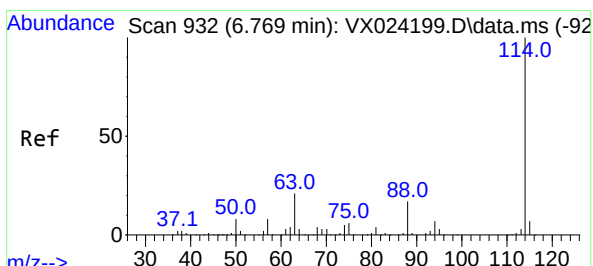
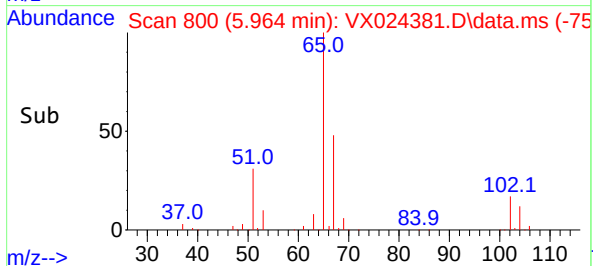
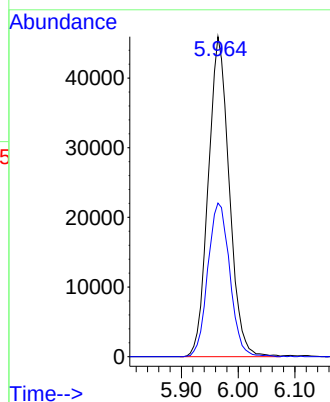
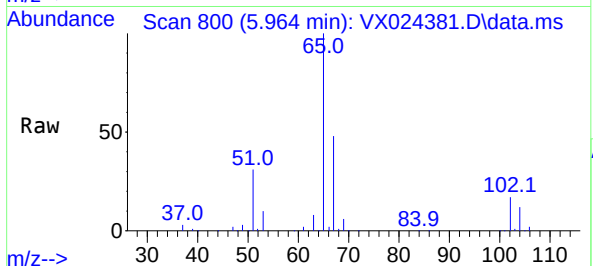


#33

1,2-Dichloroethane-d4  
Concen: 51.741 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.007 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Instrument :  
MSVOA\_X  
ClientSampled :

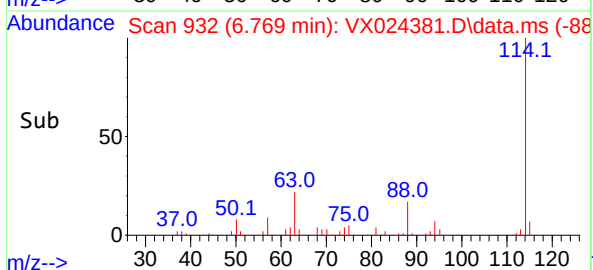
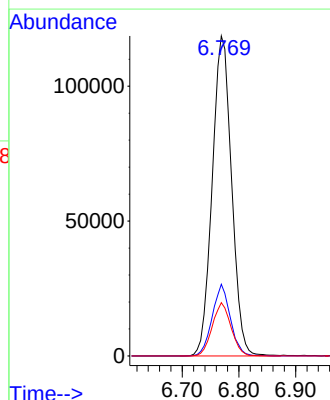
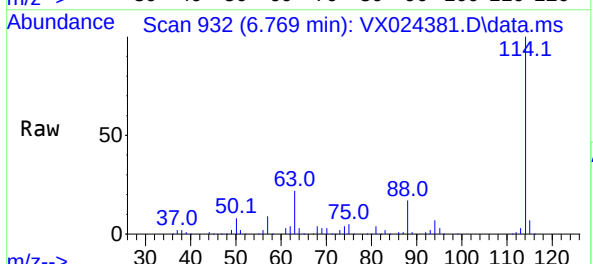
Tgt Ion: 65 Resp: 118152  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.4

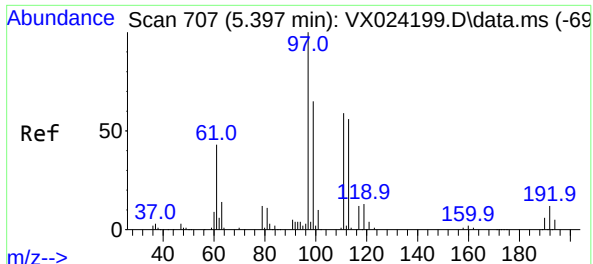


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Tgt Ion:114 Resp: 281413  
Ion Ratio Lower Upper  
114 100  
63 22.4 0.0 40.8  
88 16.7 0.0 32.8

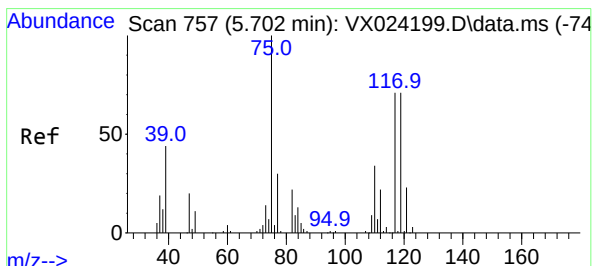
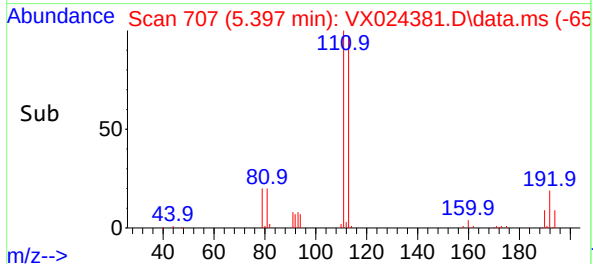
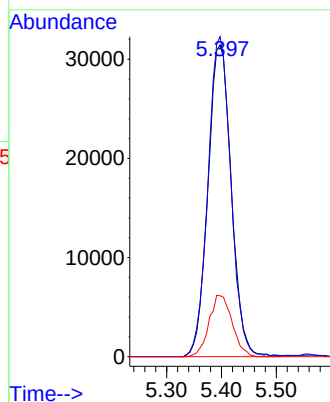
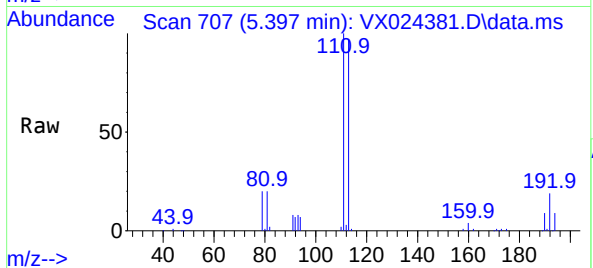




#35  
Dibromofluoromethane  
Concen: 49.207 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

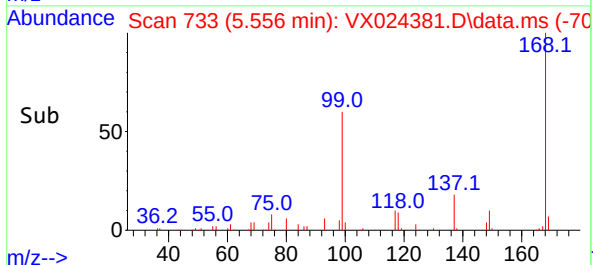
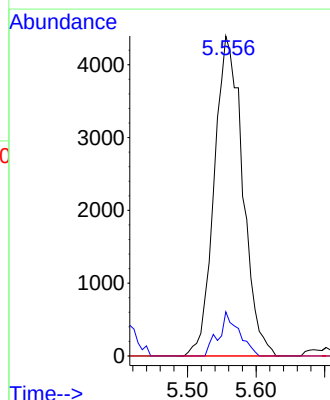
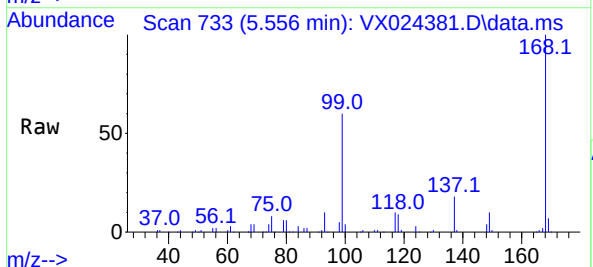
Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 92867 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.9 | 81.9  | 122.9 |
| 192      | 19.5  | 16.7  | 25.1  |

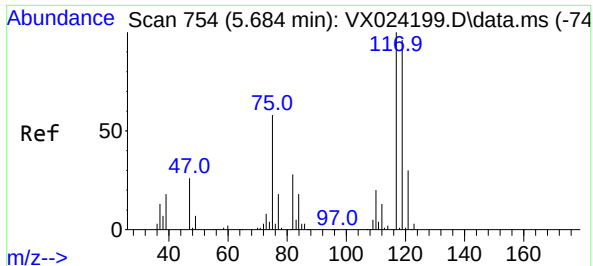


#36  
1,1-Dichloropropene  
Concen: 4.890 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.146 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12652 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.8   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

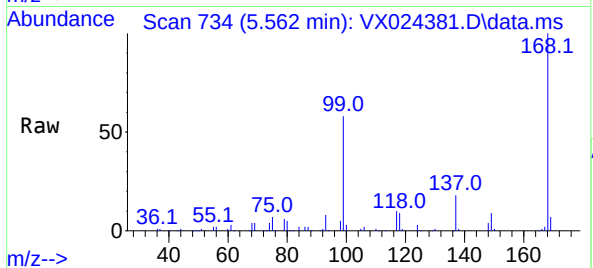




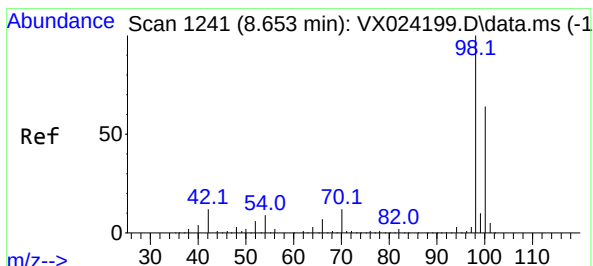
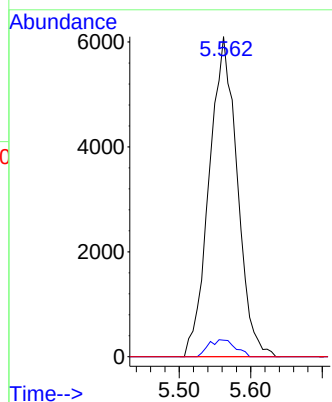
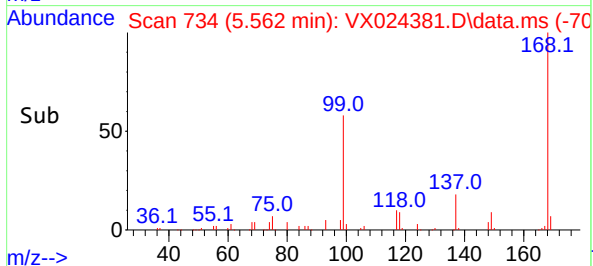


#38  
Carbon Tetrachloride  
Concen: 5.711 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

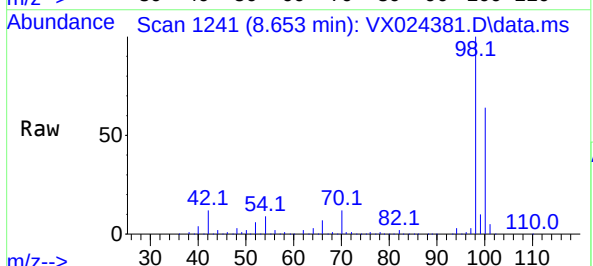
Instrument :  
MSVOA\_X  
ClientSampled :



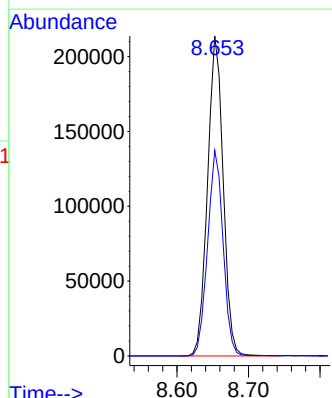
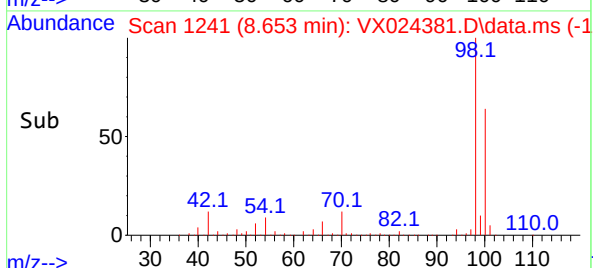
Tgt Ion:117 Resp: 16631  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.2#  
121 0.0 24.8 37.2#

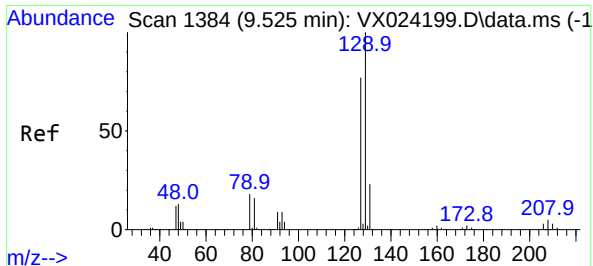


#50  
Toluene-d8  
Concen: 47.247 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33



Tgt Ion: 98 Resp: 324834  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.9 77.9





#60

Dibromochloromethane

Concen: 1.790 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024381.D

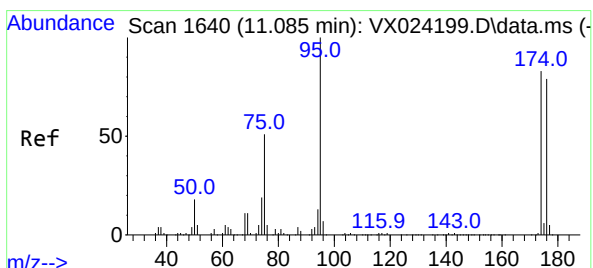
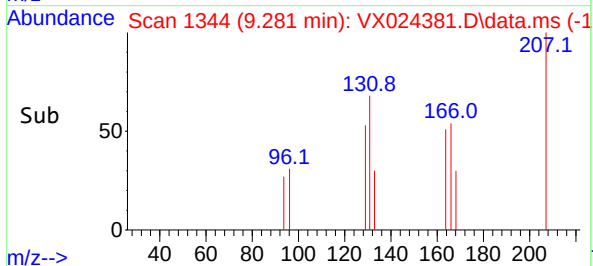
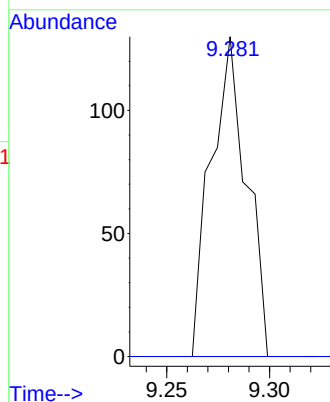
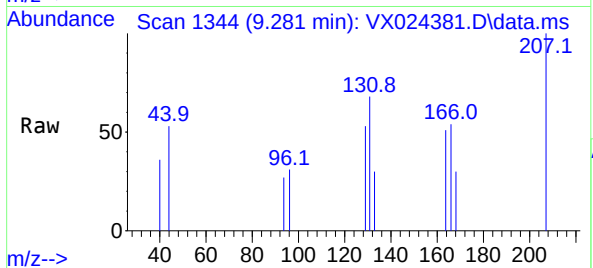
Acq: 21 Sep 2021 11:33

Tgt Ion:129 Resp: 156

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 48.717 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024381.D

Acq: 21 Sep 2021 11:33

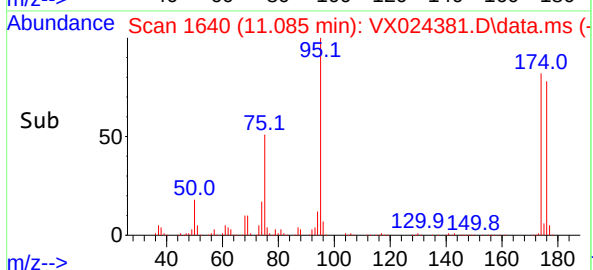
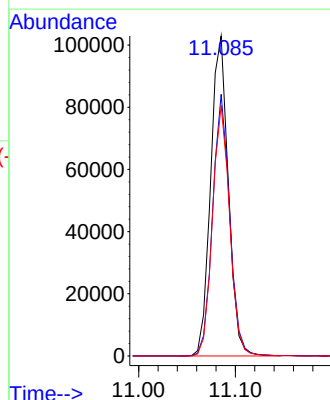
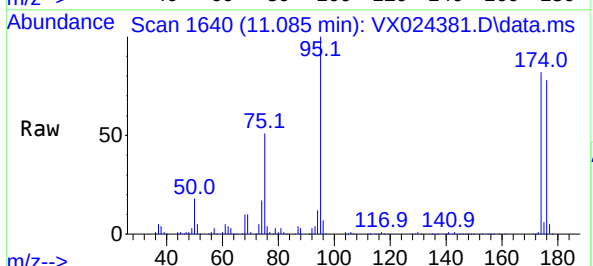
Tgt Ion: 95 Resp: 130347

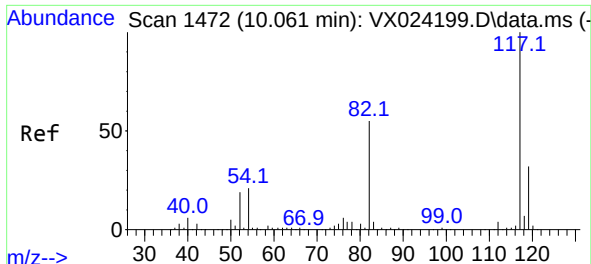
Ion Ratio Lower Upper

95 100

174 79.2 0.0 154.6

176 76.3 0.0 155.8

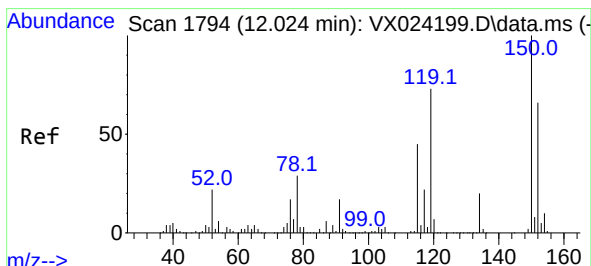
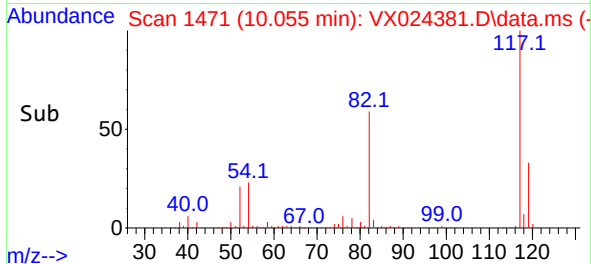
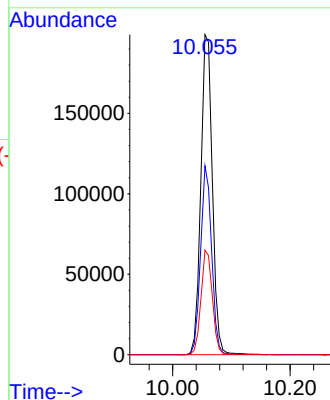
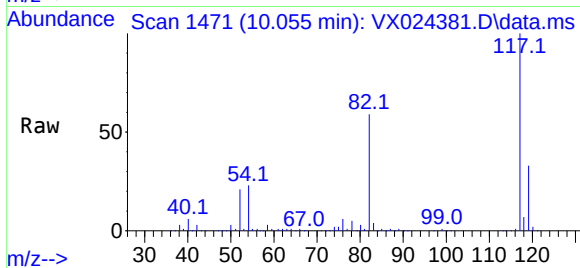




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

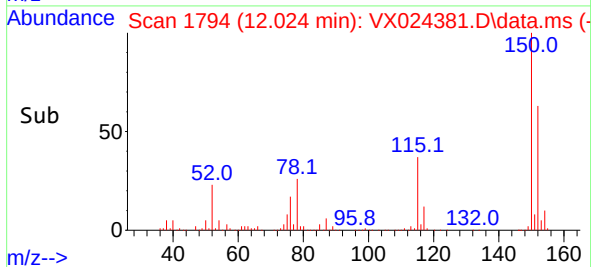
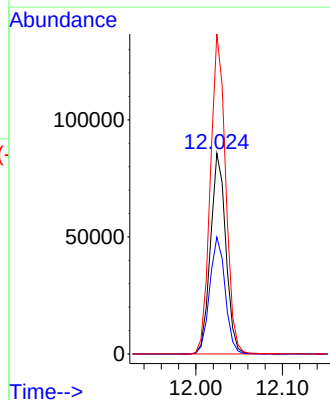
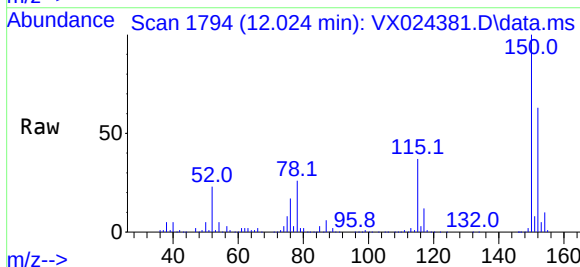
Instrument :  
MSVOA\_X  
ClientSampled :

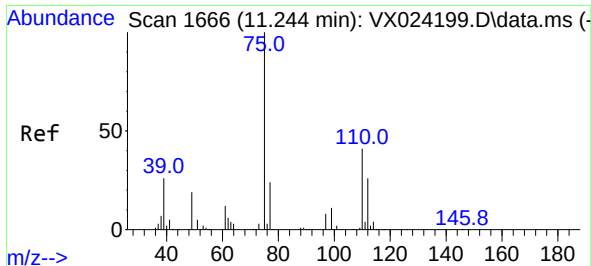
Tgt Ion:117 Resp: 271507  
Ion Ratio Lower Upper  
117 100  
82 59.0 47.4 71.2  
119 32.6 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Tgt Ion:152 Resp: 105306  
Ion Ratio Lower Upper  
152 100  
115 58.9 41.1 123.3  
150 159.0 0.0 349.0

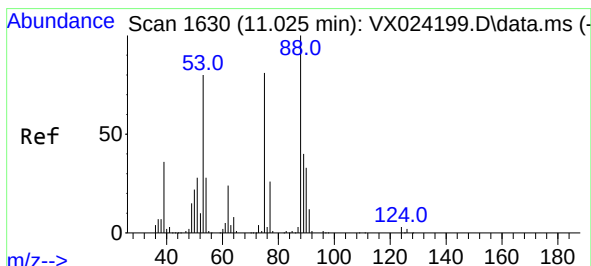
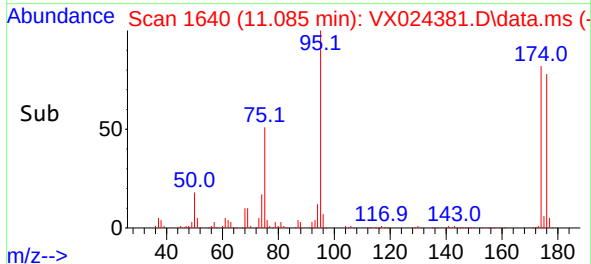
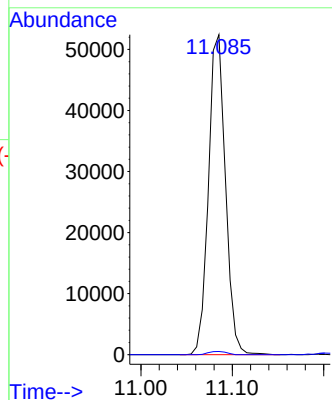
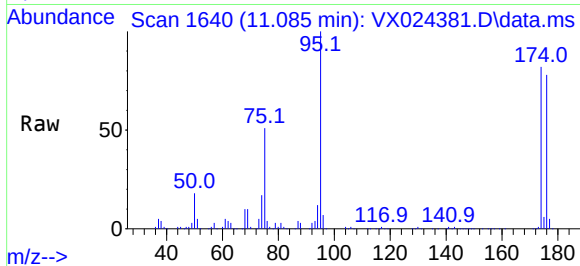




#76  
1,2,3-Trichloropropane  
Concen: 27.958 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

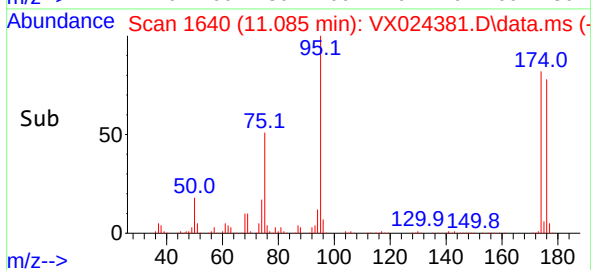
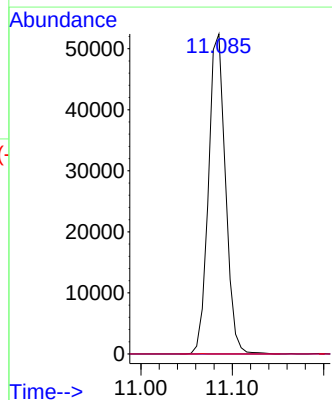
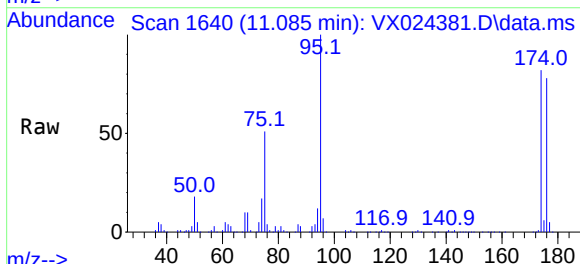
Instrument :  
MSVOA\_X  
ClientSampled :

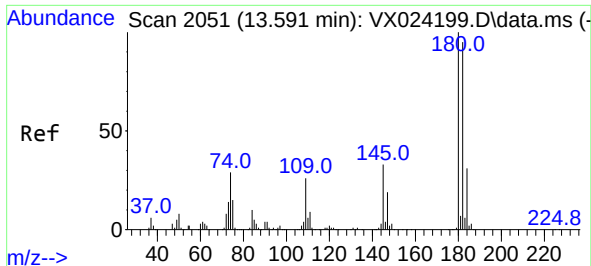
Tgt Ion: 75 Resp: 67697  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.224 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Tgt Ion: 75 Resp: 67697  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

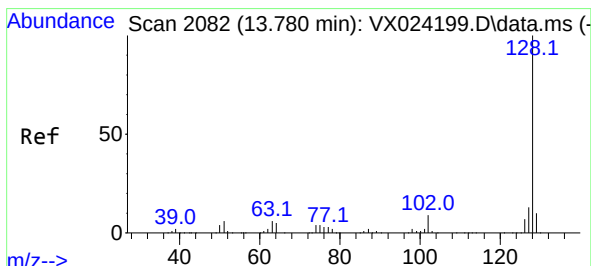
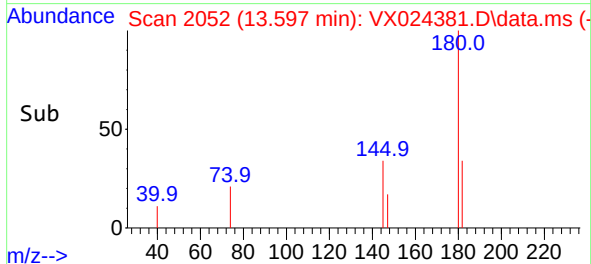
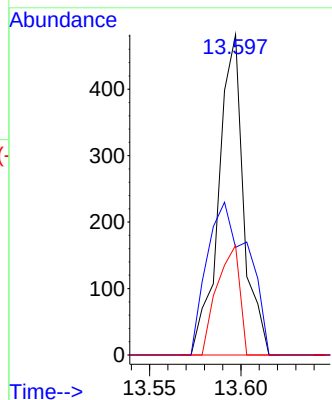
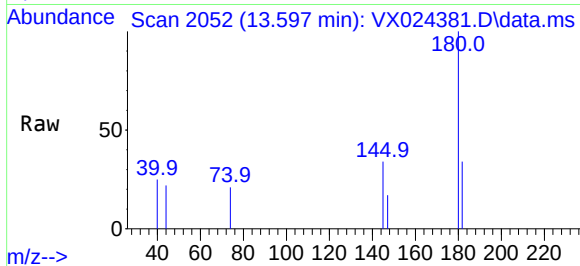




#93  
1,2,4-Trichlorobenzene  
Concen: 0.224 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.006 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:180 Resp: 458  
Ion Ratio Lower Upper  
180 100  
182 78.2 47.7 143.1  
145 31.0 15.0 45.0



#95  
Naphthalene  
Concen: 1.374 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX024381.D  
Acq: 21 Sep 2021 11:33

Tgt Ion:128 Resp: 675  
Ion Ratio Lower Upper  
128 100  
127 2.8 10.3 15.5#  
129 0.0 8.8 13.2#

