

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091421\  
 Data File : VX024215.D  
 Acq On : 14 Sep 2021 18:15  
 Operator : JC/MD  
 Sample : M3729-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-790-792

Quant Time: Sep 15 01:58:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 14 12:18:04 2021  
 Response via : Initial Calibration

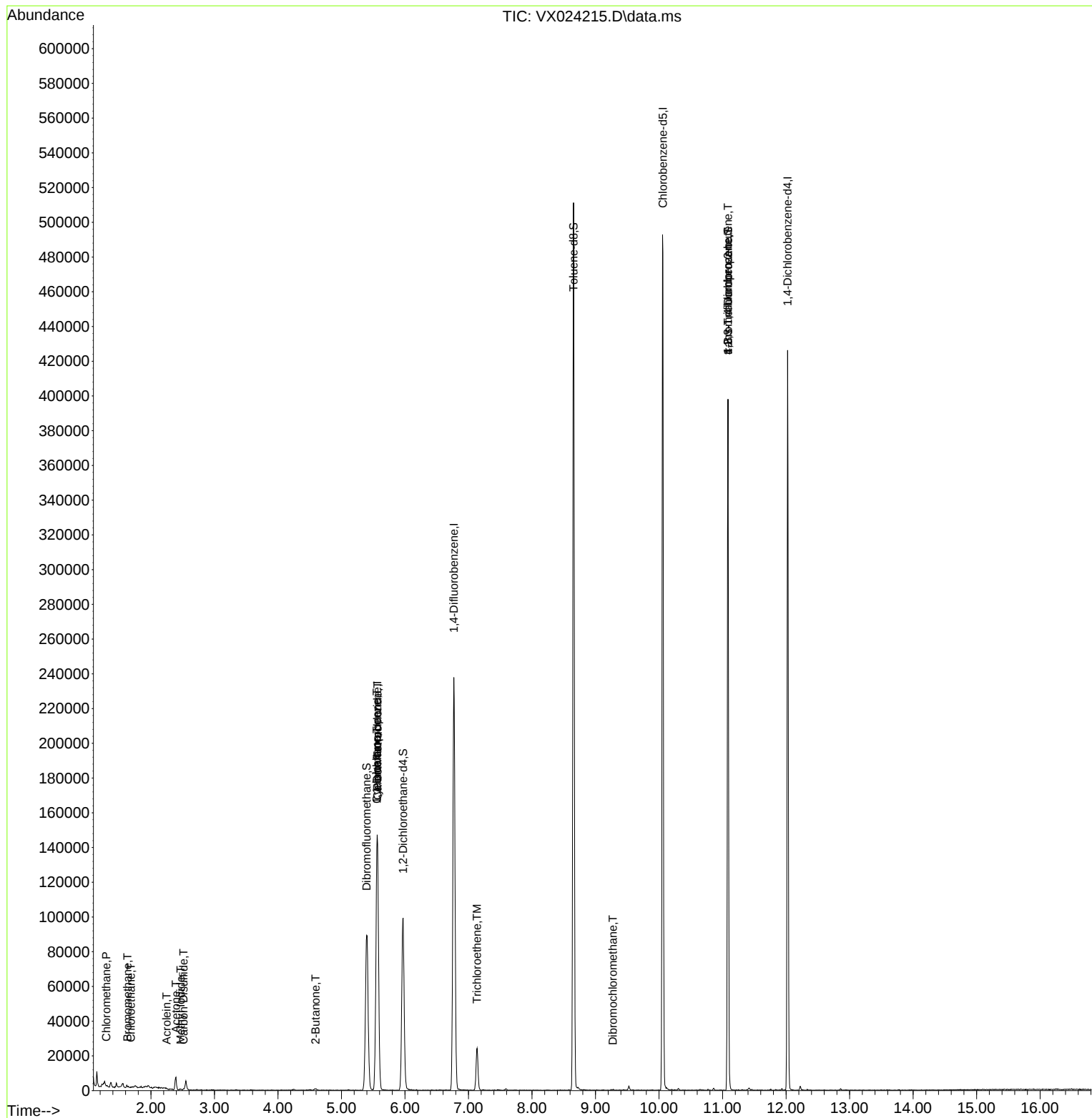
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 138008   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114   | 235223   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061    | 117   | 217868   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 87208    | 50.000    | ug/l   | 0.00     |
|                               |           |       |          |           |        |          |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.970     | 65    | 100850   | 51.246    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery  | =      | 102.500% |
| 35) Dibromofluoromethane      | 5.397     | 113   | 78110    | 49.515    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | =      | 99.020%  |
| 50) Toluene-d8                | 8.653     | 98    | 290426   | 50.537    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery  | =      | 101.080% |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 101120   | 45.214    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | =      | 90.420%  |
|                               |           |       |          |           |        |          |
| Target Compounds              |           |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 1.294     | 50    | 357      | 0.258     | ug/l # | 83       |
| 5) Bromomethane               | 1.630     | 94    | 629      | 0.766     | ug/l # | 56       |
| 6) Chloroethane               | 1.685     | 64    | 323      | 2.277     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.465     | 142   | 589      | 0.313     | ug/l # | 90       |
| 11) Tert butyl alcohol        | 2.971     | 59    | 49       | Below Cal | #      | 73       |
| 13) Acrolein                  | 2.245     | 56    | 72       | 0.555     | ug/l # | 14       |
| 16) Acetone                   | 2.392     | 43    | 7814     | 9.312     | ug/l   | 95       |
| 17) Carbon Disulfide          | 2.514     | 76    | 679      | 0.213     | ug/l # | 75       |
| 25) 2-Butanone                | 4.593     | 43    | 1134     | 0.918     | ug/l   | 90       |
| 31) Cyclohexane               | 5.556     | 56    | 3206     | 1.393     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 10960    | 5.068     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.568     | 117   | 14389    | 5.911     | ug/l # | 16       |
| 44) Trichloroethene           | 7.135     | 130   | 9370     | 5.376     | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.275     | 129   | 84       | 1.767     | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75    | 54484    | 27.170    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75    | 54484    | 79.909    | ug/l # | 12       |
| -----                         |           |       |          |           |        |          |

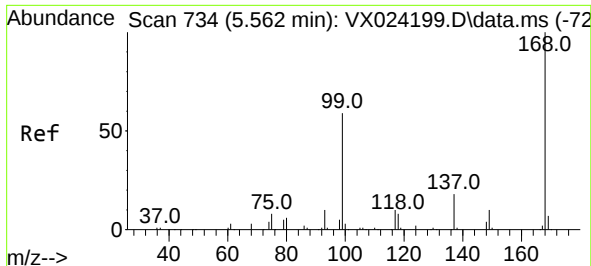
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091421\  
Data File : VX024215.D  
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Sample : M3729-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

Quant Time: Sep 15 01:58:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 14 12:18:04 2021  
Response via : Initial Calibration

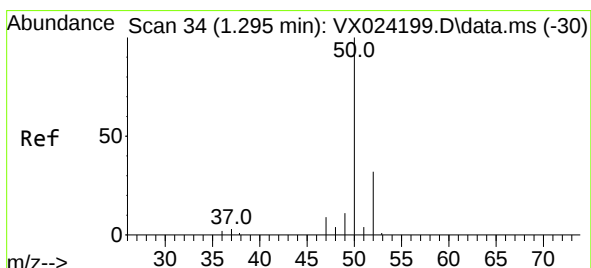
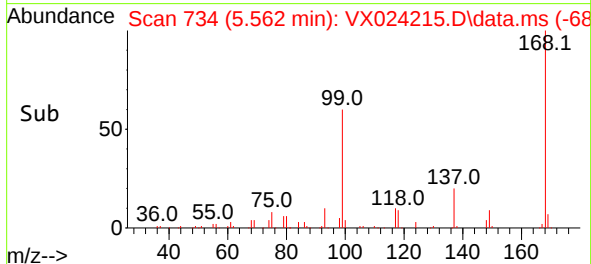
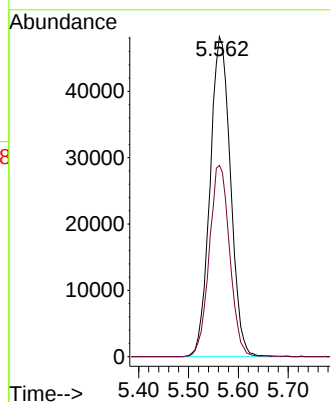
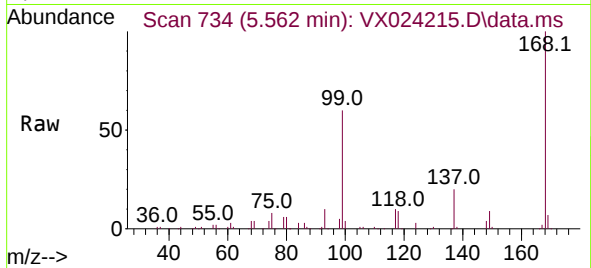




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

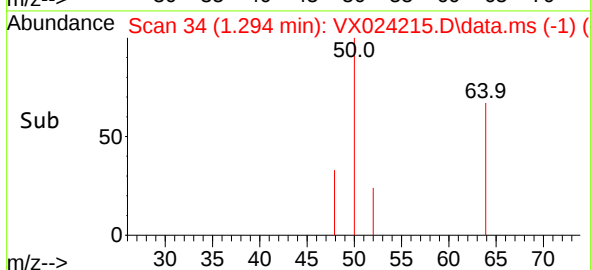
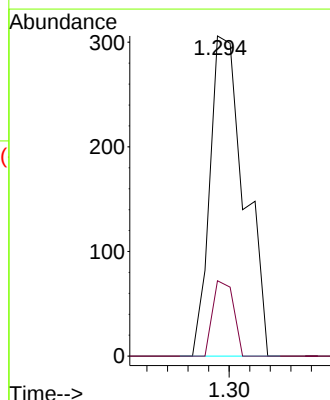
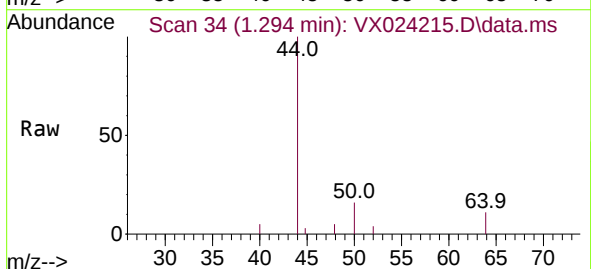
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

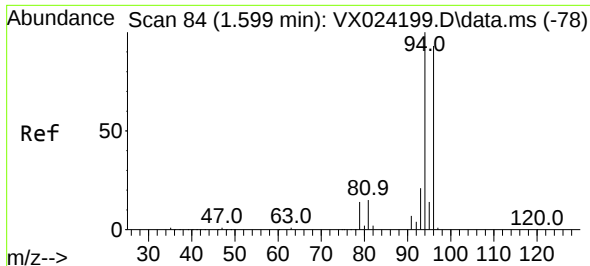
Tgt Ion:168 Resp: 138008  
Ion Ratio Lower Upper  
168 100  
99 59.8 45.8 68.6



#3  
Chloromethane  
Concen: 0.258 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.001 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

Tgt Ion: 50 Resp: 357  
Ion Ratio Lower Upper  
50 100  
52 23.5 26.4 39.6#

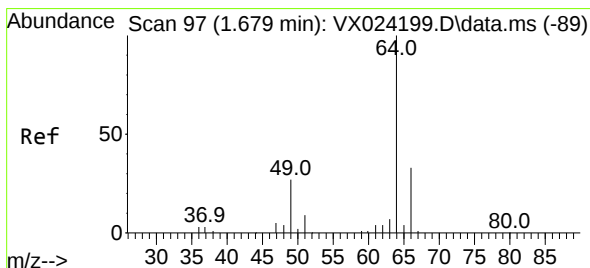
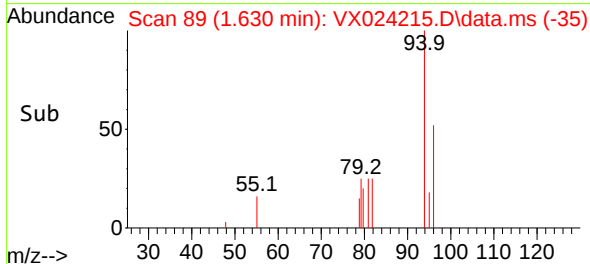
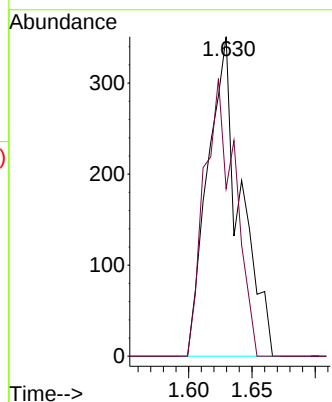
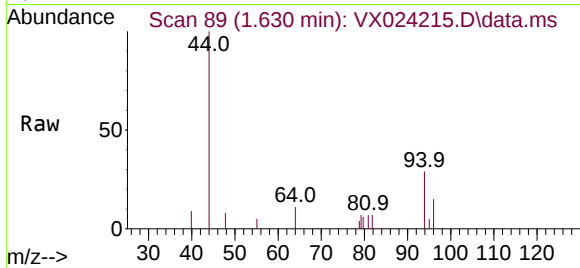




#5  
Bromomethane  
Concen: 0.766 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.031 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

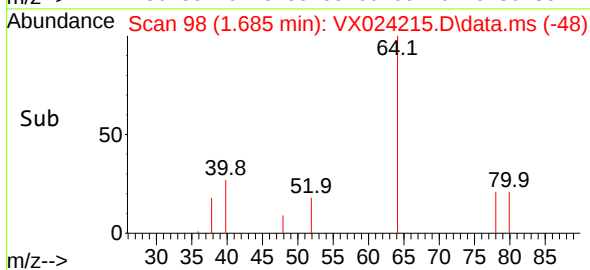
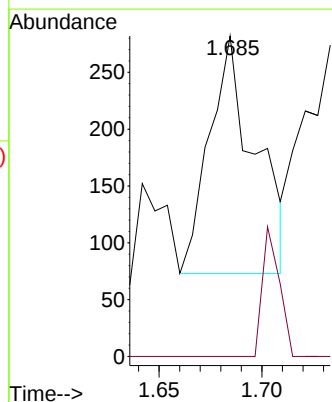
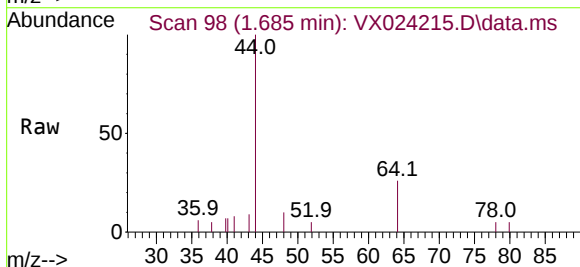
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

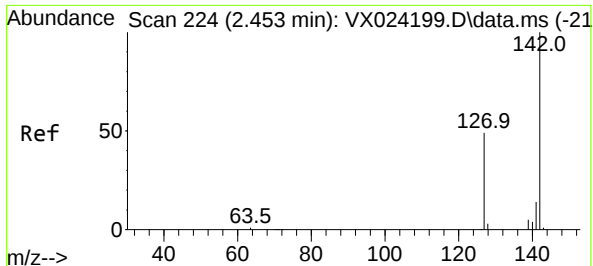
Tgt Ion: 94 Resp: 629  
Ion Ratio Lower Upper  
94 100  
96 52.4 76.4 114.6#



#6  
Chloroethane  
Concen: 2.277 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

Tgt Ion: 64 Resp: 323  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 0.313 ug/l

RT: 2.465 min Scan# 226

Delta R.T. 0.012 min

Lab File: VX024215.D

Acq: 14 Sep 2021 18:15

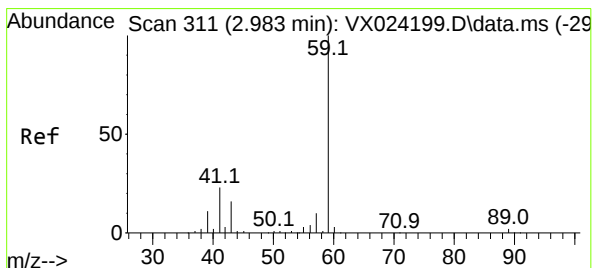
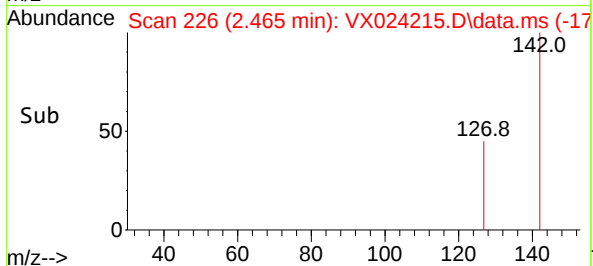
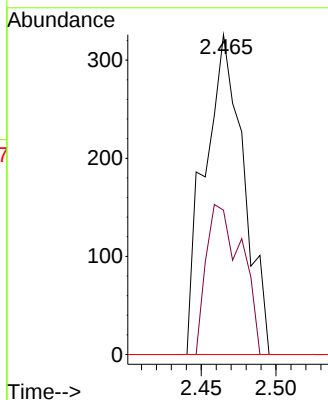
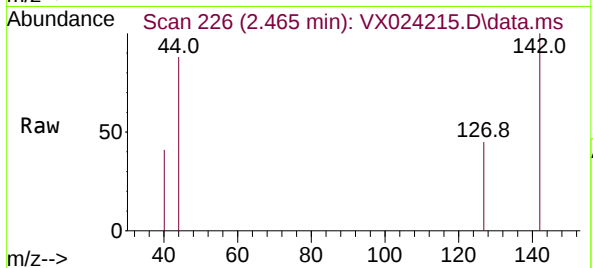
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 589   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 42.6  | 33.3  | 49.9  |
| 141      | 0.0   | 11.4  | 17.0# |

Instrument :

MSVOA\_X

ClientSampleId :

BP-TT-VPB-RW7-GW-790-792



#11

Tert butyl alcohol

Concen: Below Cal

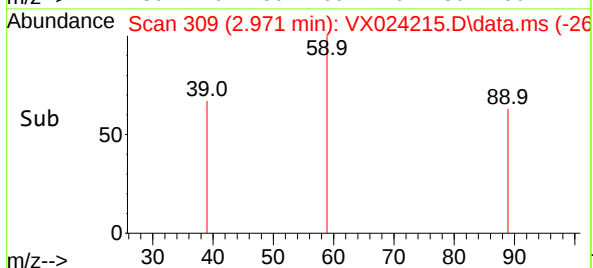
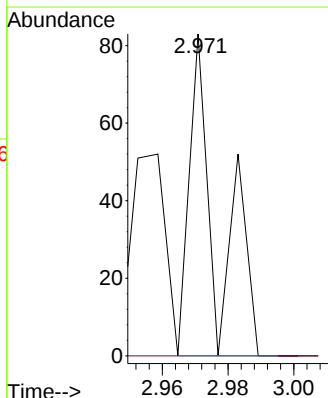
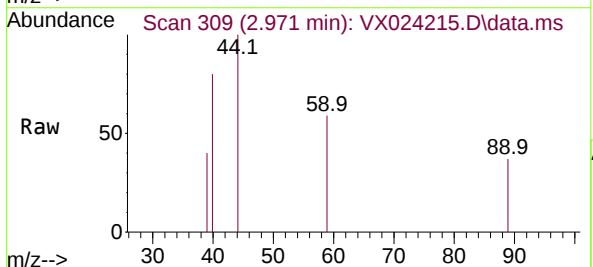
RT: 2.971 min Scan# 309

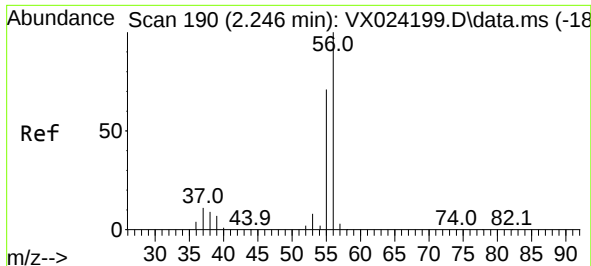
Delta R.T. -0.012 min

Lab File: VX024215.D

Acq: 14 Sep 2021 18:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 49    |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 0.0   | 7.8   | 11.8# |

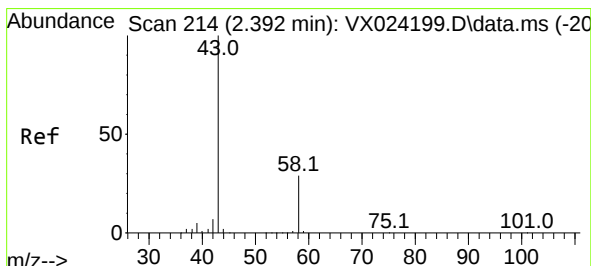
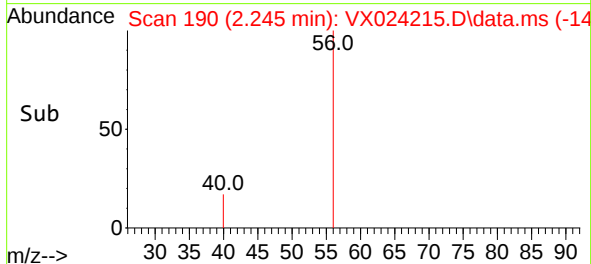
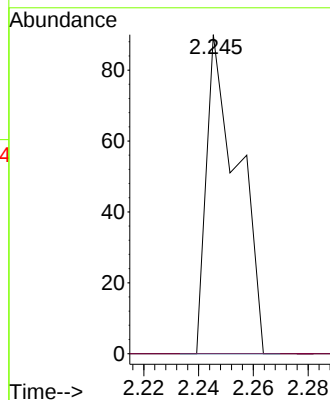
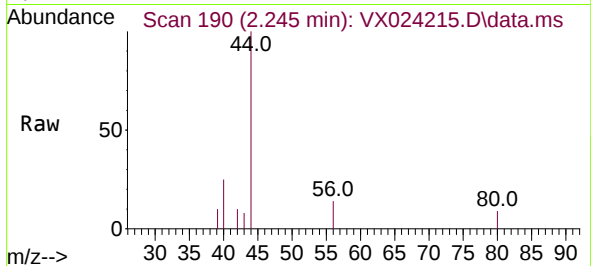




#13  
Acrolein  
Concen: 0.555 ug/l  
RT: 2.245 min Scan# 190  
Delta R.T. -0.001 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

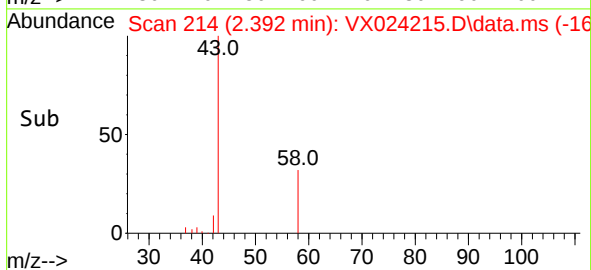
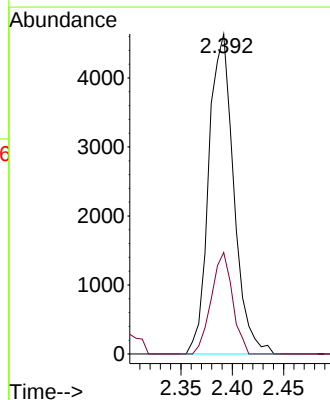
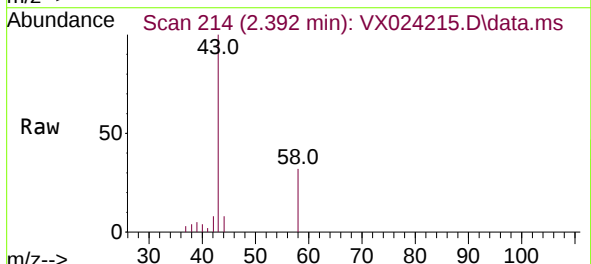
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

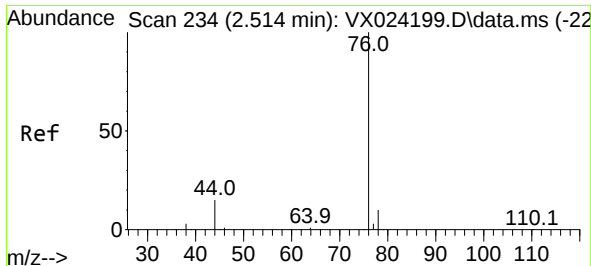
Tgt Ion: 56 Resp: 72  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 9.312 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

Tgt Ion: 43 Resp: 7814  
Ion Ratio Lower Upper  
43 100  
58 31.7 27.8 41.8

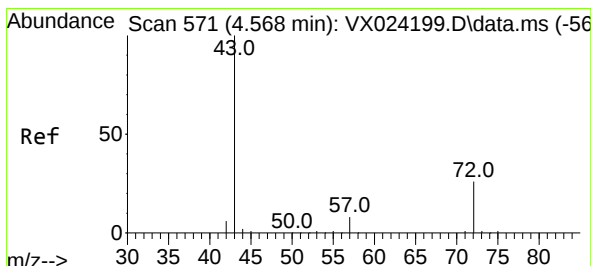
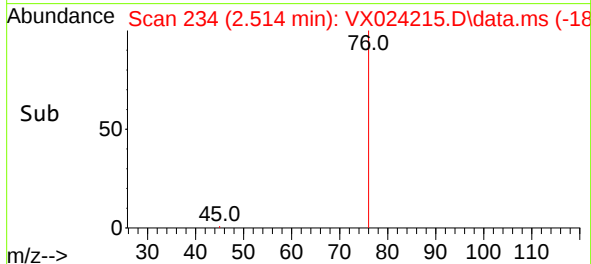
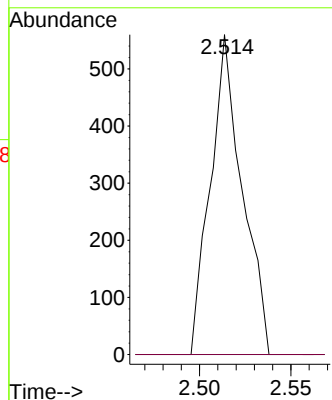
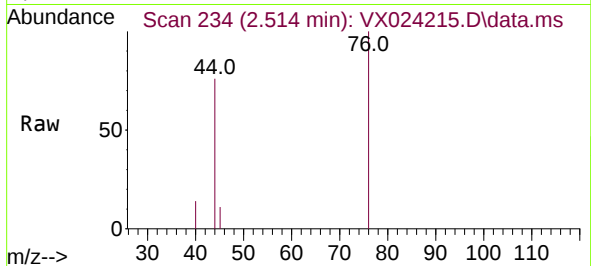




#17  
Carbon Disulfide  
Concen: 0.213 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

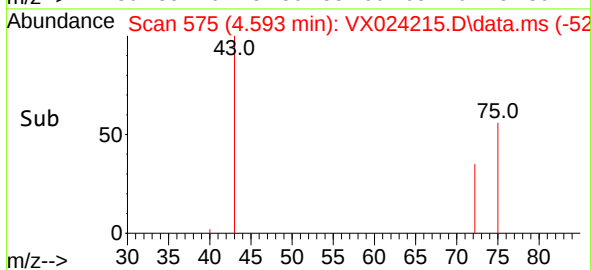
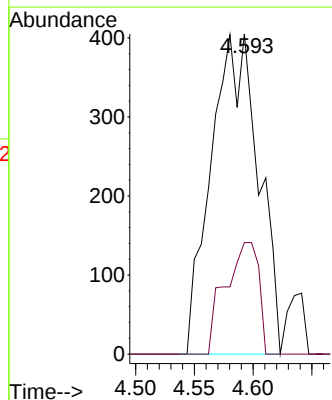
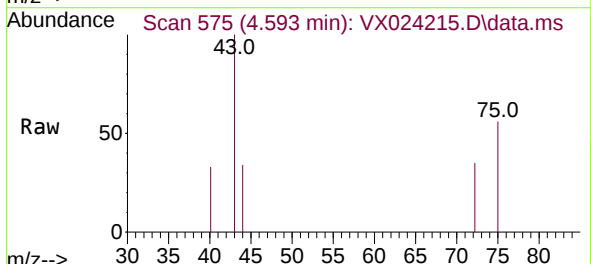
Instrument :  
MSVOA\_X  
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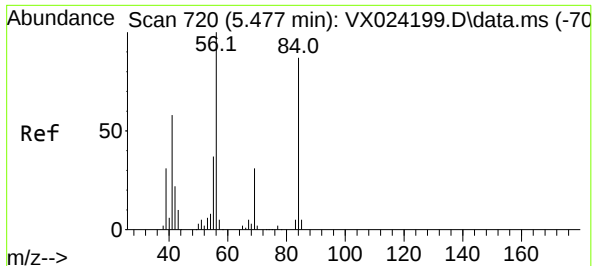
Tgt Ion: 76 Resp: 679  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#25  
2-Butanone  
Concen: 0.918 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. 0.025 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

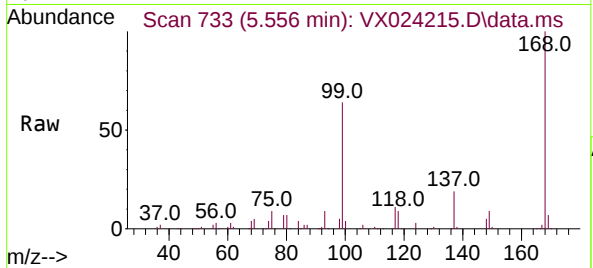
Tgt Ion: 43 Resp: 1134  
Ion Ratio Lower Upper  
43 100  
72 34.8 23.7 35.5



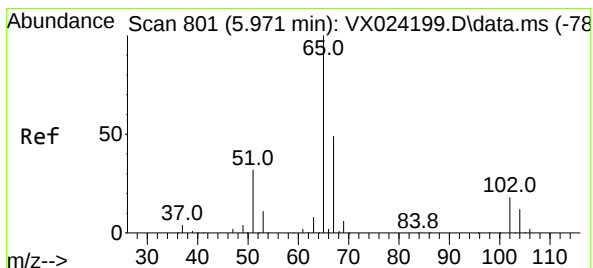
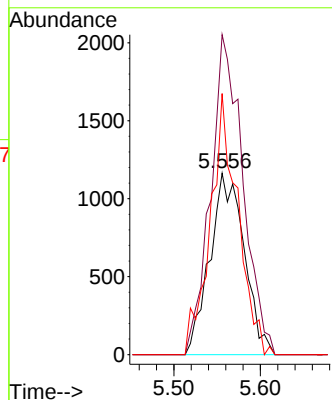
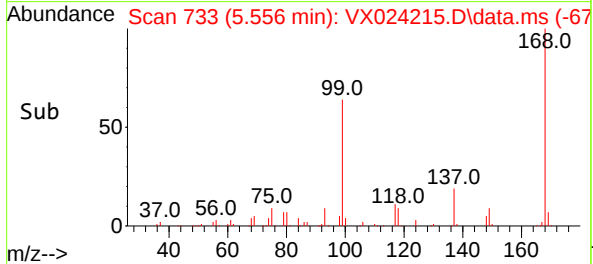


#31  
Cyclohexane  
Concen: 1.393 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

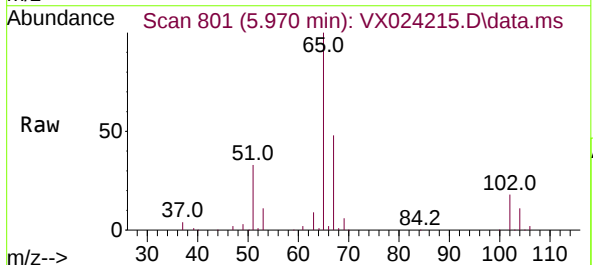
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792



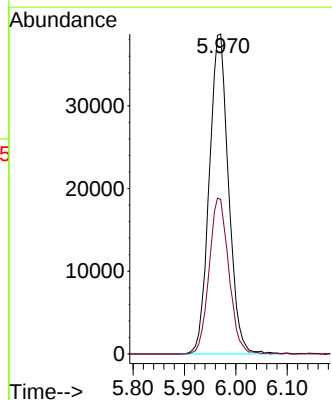
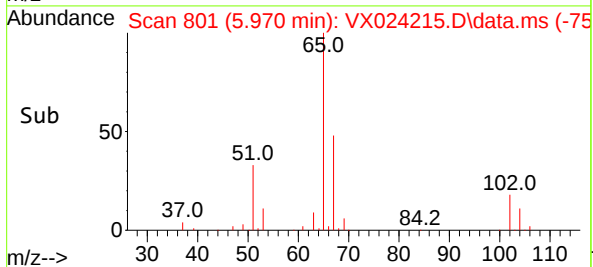
Tgt Ion: 56 Resp: 3206  
Ion Ratio Lower Upper  
56 100  
69 176.4 25.3 37.9#  
84 151.1 71.4 107.0#

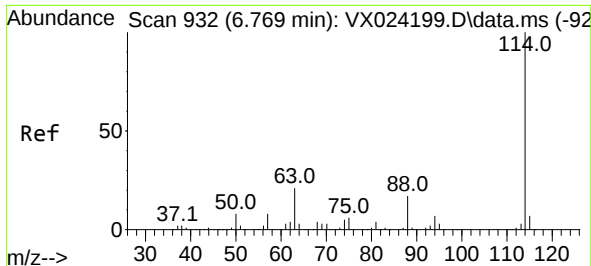


#33  
1,2-Dichloroethane-d4  
Concen: 51.246 ug/l  
RT: 5.970 min Scan# 801  
Delta R.T. -0.001 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15



Tgt Ion: 65 Resp: 100850  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 105.4

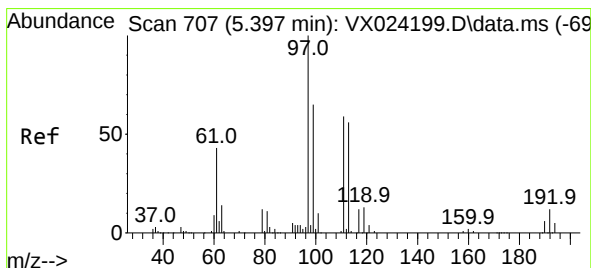
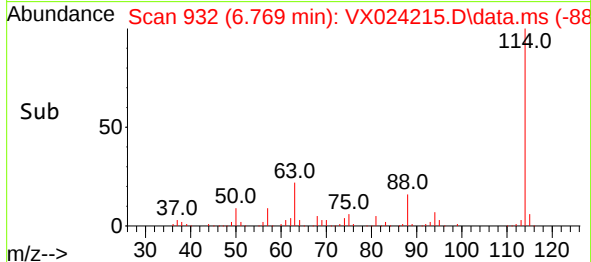
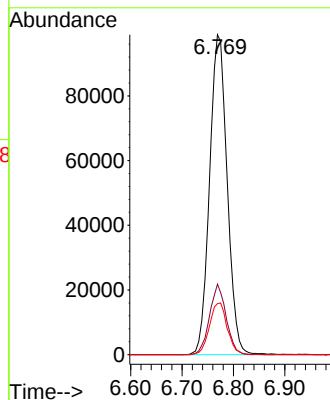
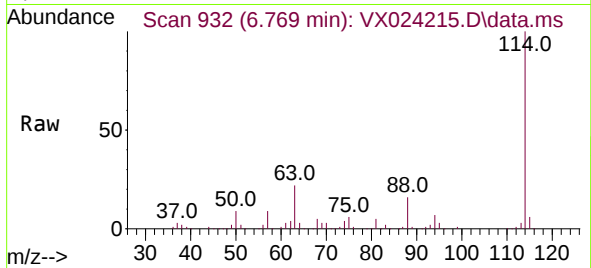




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

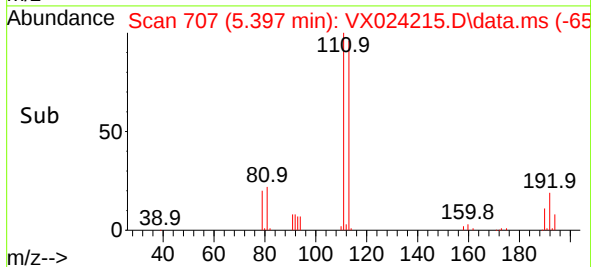
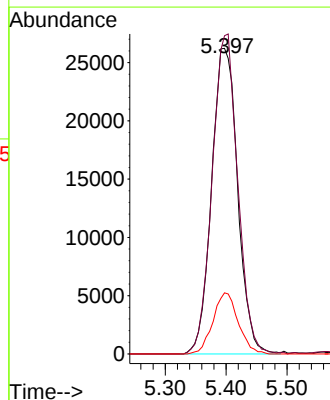
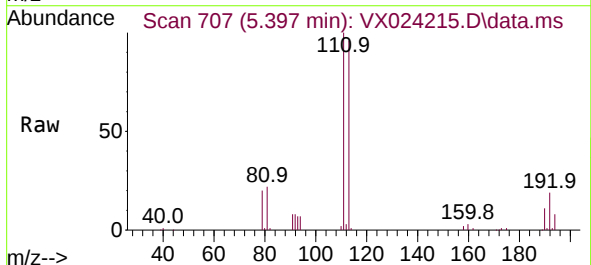
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

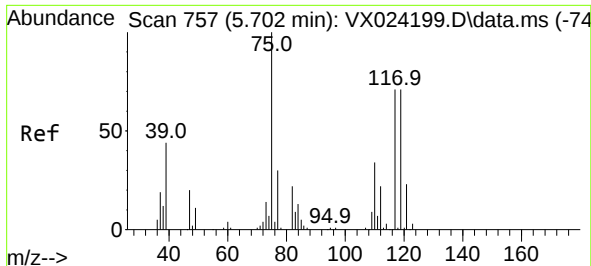
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 235223 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 22.1  | 0.0   | 40.8   |
| 88        | 15.9  | 0.0   | 32.8   |



#35  
Dibromofluoromethane  
Concen: 49.515 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 78110 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.4 | 81.9  | 122.9 |
| 192       | 19.3  | 16.7  | 25.1  |





#36

1,1-Dichloropropene

Concen: 5.068 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024215.D

Acq: 14 Sep 2021 18:15

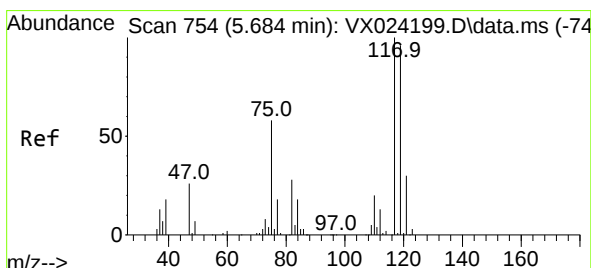
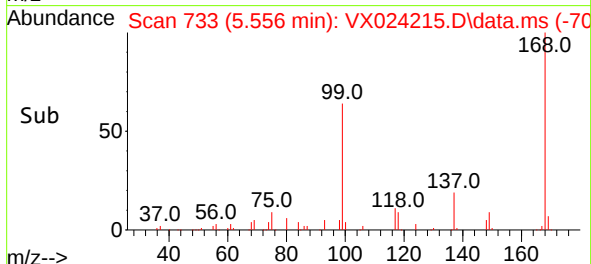
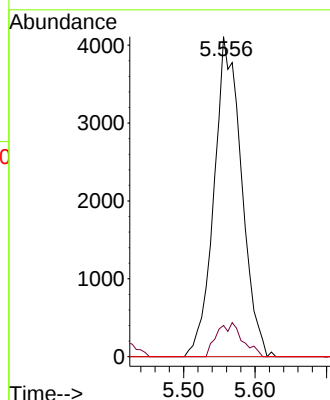
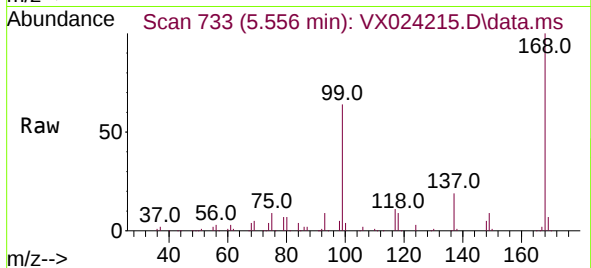
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10960 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.9   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :

MSVOA\_X

ClientSampleId :

BP-TT-VPB-RW7-GW-790-792



#38

Carbon Tetrachloride

Concen: 5.911 ug/l

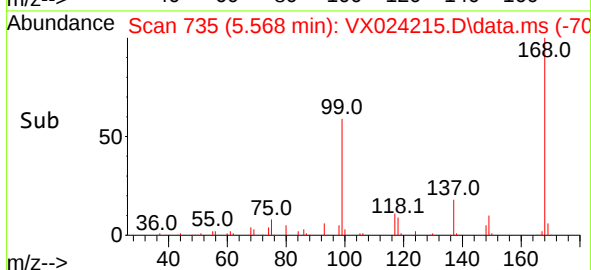
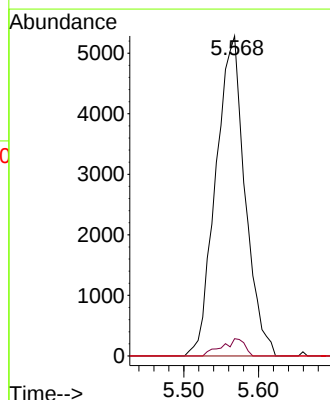
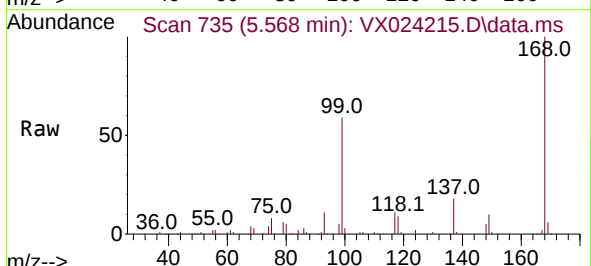
RT: 5.568 min Scan# 735

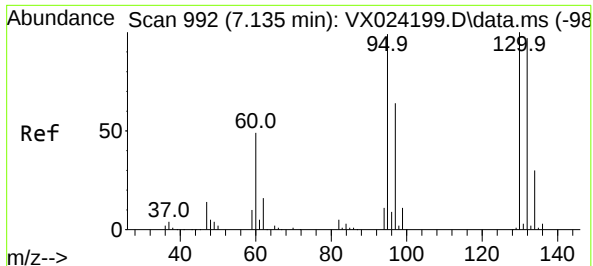
Delta R.T. -0.116 min

Lab File: VX024215.D

Acq: 14 Sep 2021 18:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 14389  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.4   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

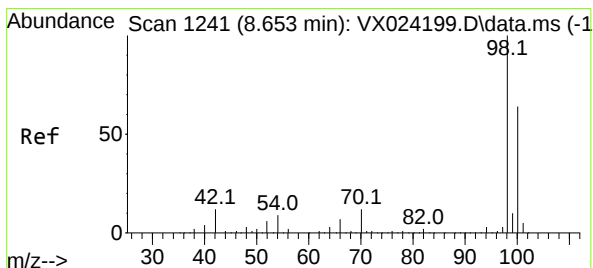
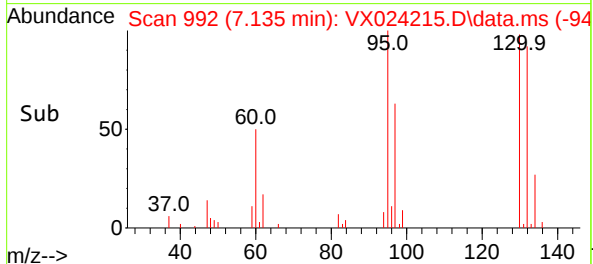
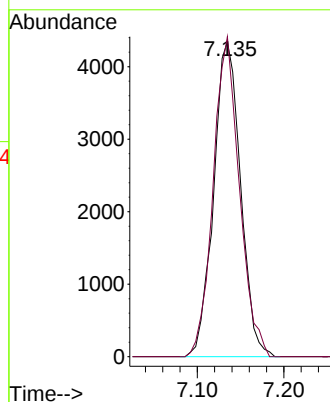
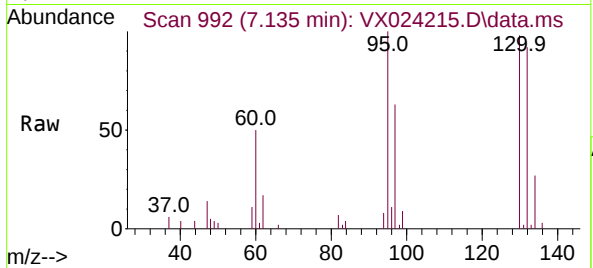




#44  
Trichloroethene  
Concen: 5.376 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

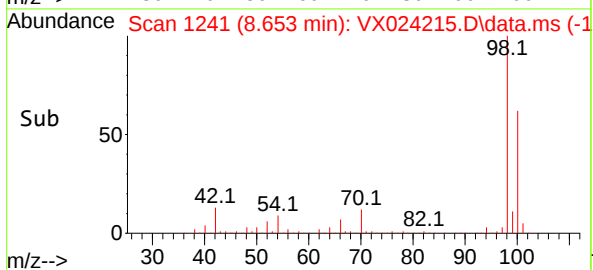
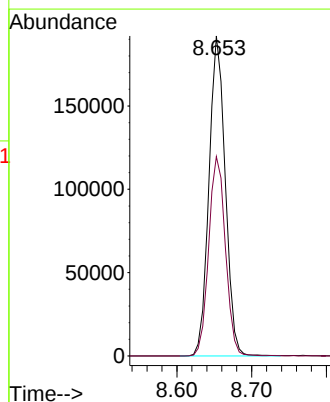
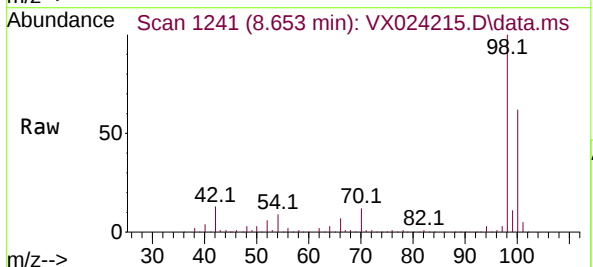
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

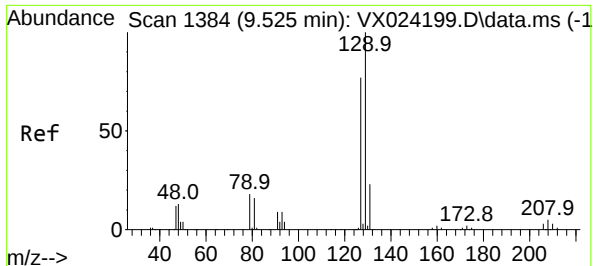
Tgt Ion:130 Resp: 9370  
Ion Ratio Lower Upper  
130 100  
95 101.6 0.0 198.0



#50  
Toluene-d8  
Concen: 50.537 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

Tgt Ion: 98 Resp: 290426  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.9 77.9





#60

Dibromochloromethane

Concen: 1.767 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX024215.D

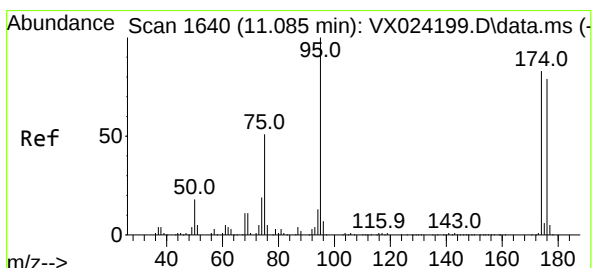
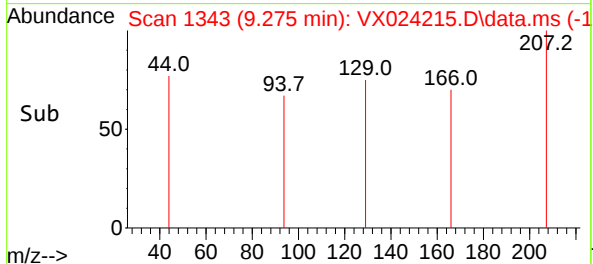
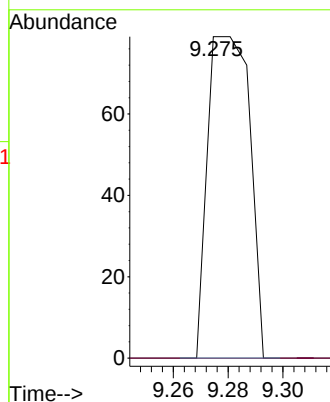
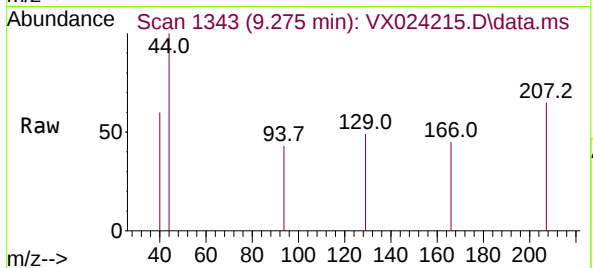
Acq: 14 Sep 2021 18:15

Tgt Ion:129 Resp: 84

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 45.214 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024215.D

Acq: 14 Sep 2021 18:15

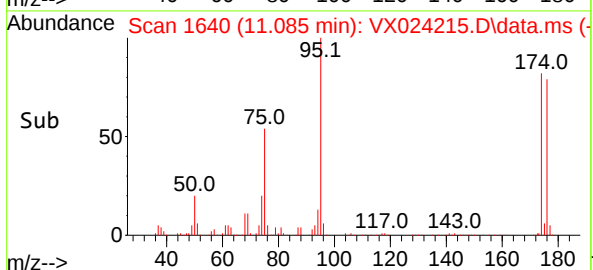
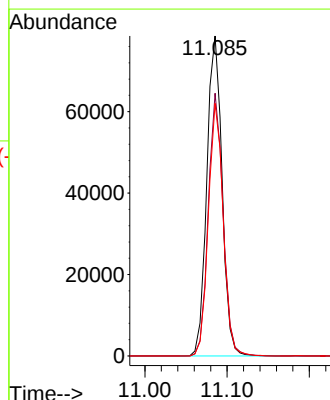
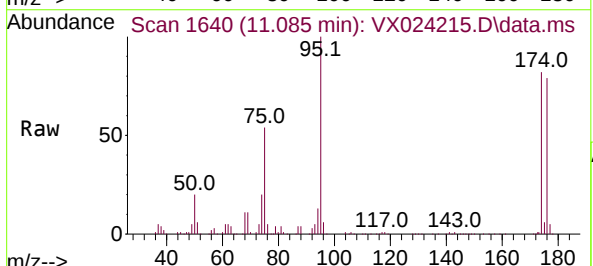
Tgt Ion: 95 Resp: 101120

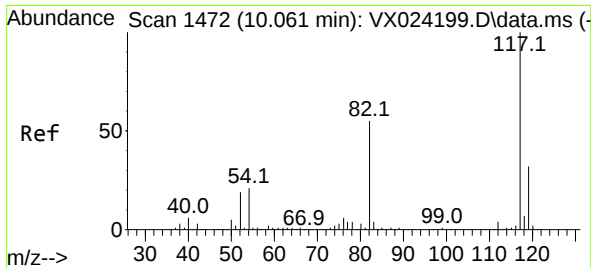
Ion Ratio Lower Upper

95 100

174 79.8 0.0 154.6

176 77.0 0.0 155.8

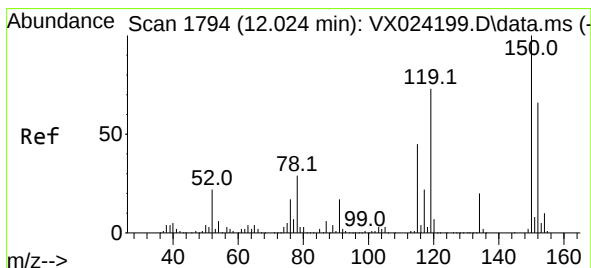
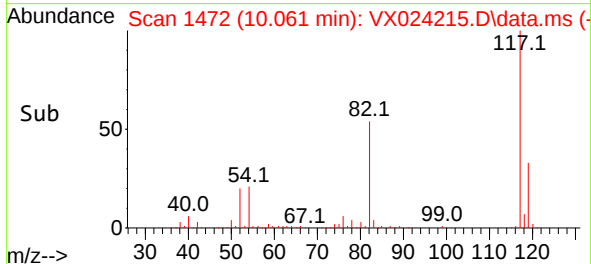
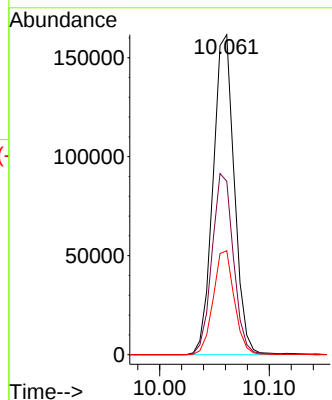
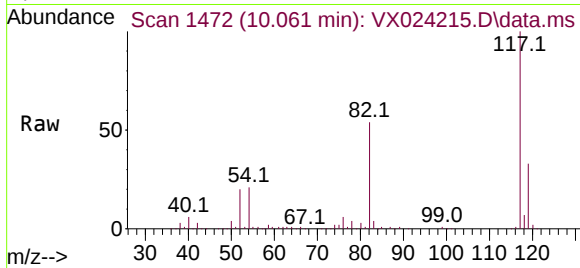




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

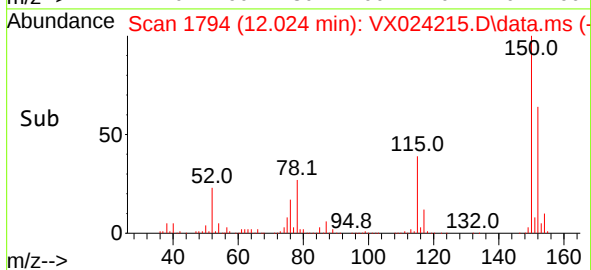
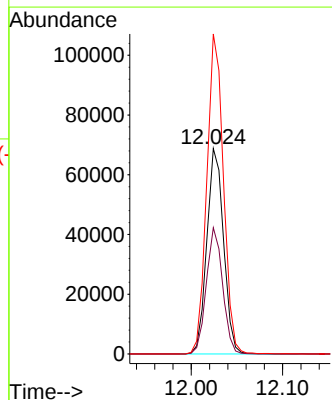
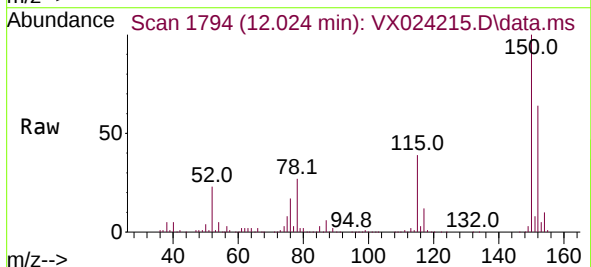
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

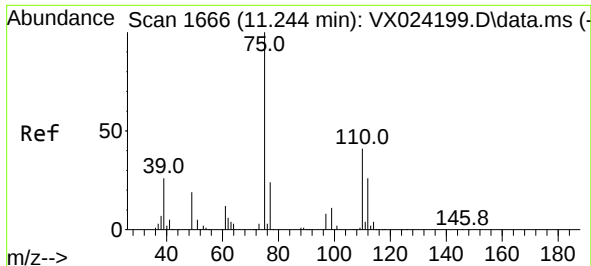
Tgt Ion:117 Resp: 217868  
Ion Ratio Lower Upper  
117 100  
82 54.2 47.4 71.2  
119 32.5 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

Tgt Ion:152 Resp: 87208  
Ion Ratio Lower Upper  
152 100  
115 59.7 41.1 123.3  
150 154.3 0.0 349.0

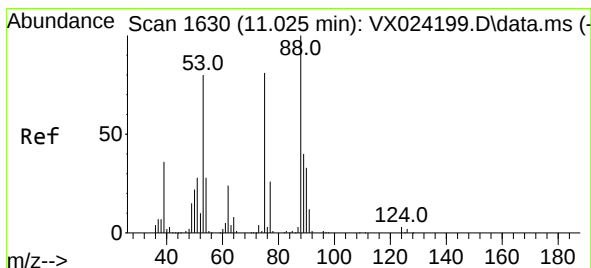
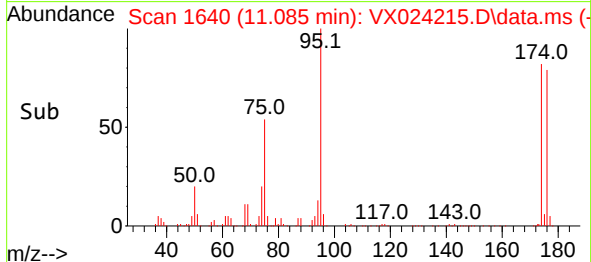
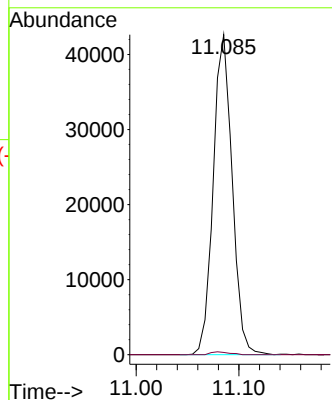
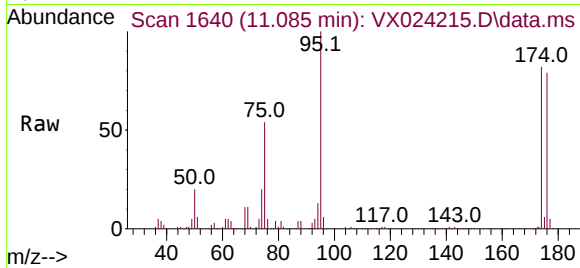




#76  
1,2,3-Trichloropropane  
Concen: 27.170 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-GW-790-792

Tgt Ion: 75 Resp: 54484  
Ion Ratio Lower Upper  
75 100  
77 0.9 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 79.909 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX024215.D  
Acq: 14 Sep 2021 18:15

Tgt Ion: 75 Resp: 54484  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

