

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112321\  
 Data File : VX025277.D  
 Acq On : 23 Nov 2021 16:18  
 Operator : JC/MD  
 Sample : M4800-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW9-GW-798-800

Quant Time: Nov 24 03:13:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

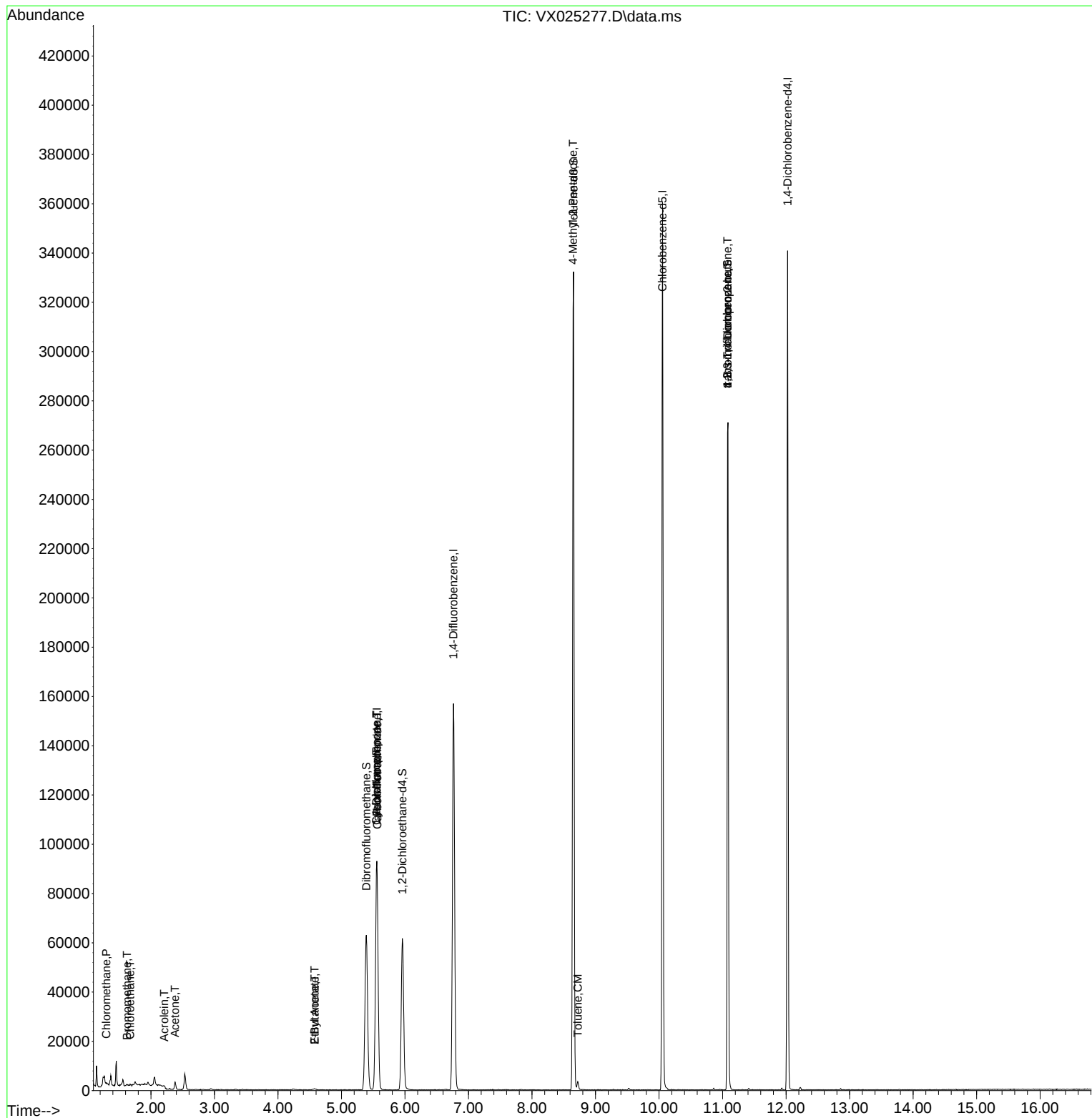
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 95854    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 170667   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 164152   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 73610    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 57558    | 56.967    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | = 113.940% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 55255    | 52.767    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 105.540% |          |
| 50) Toluene-d8                | 8.653  | 98    | 202841   | 51.520    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | = 103.040% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 76497    | 51.358    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 102.720% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.294  | 50    | 316      | 0.307     | ug/l       | 95       |
| 5) Bromomethane               | 1.624  | 94    | 206      | 0.424     | ug/l #     | 59       |
| 6) Chloroethane               | 1.672  | 64    | 310      | 0.398     | ug/l #     | 43       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 331      | Below Cal | #          | 72       |
| 13) Acrolein                  | 2.209  | 56    | 45       | 0.972     | ug/l #     | 1        |
| 16) Acetone                   | 2.380  | 43    | 3085     | 5.495     | ug/l       | 94       |
| 25) 2-Butanone                | 4.574  | 43    | 527      | 0.649     | ug/l #     | 88       |
| 31) Cyclohexane               | 5.550  | 56    | 1686     | 1.080     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6599     | 4.432     | ug/l #     | 49       |
| 37) Ethyl Acetate             | 4.574  | 43    | 527      | 0.311     | ug/l #     | 68       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 8789     | 5.359     | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 839      | 0.475     | ug/l #     | 1        |
| 52) Toluene                   | 8.720  | 92    | 1317     | 0.447     | ug/l       | 99       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 36961    | 24.520    | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 36961    | 61.770    | ug/l #     | 9        |
| 95) Naphthalene               | 13.786 | 128   | 199      | Below Cal | #          | 69       |
| -----                         |        |       |          |           |            |          |

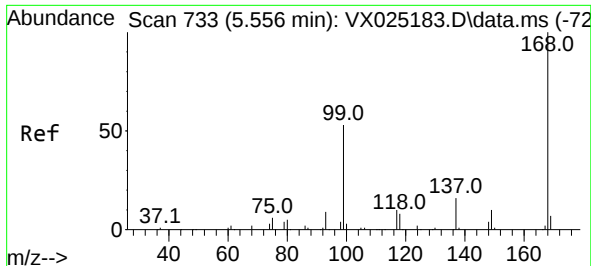
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112321\  
Data File : VX025277.D  
Acq On : 23 Nov 2021 16:18  
Operator : JC/MD  
Sample : M4800-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

Quant Time: Nov 24 03:13:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration

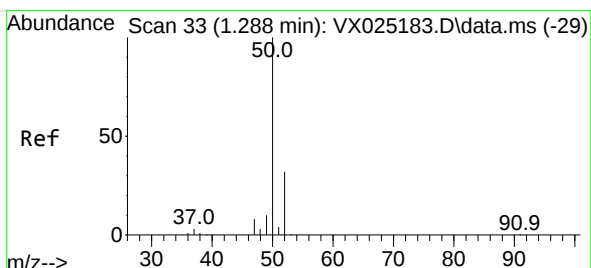
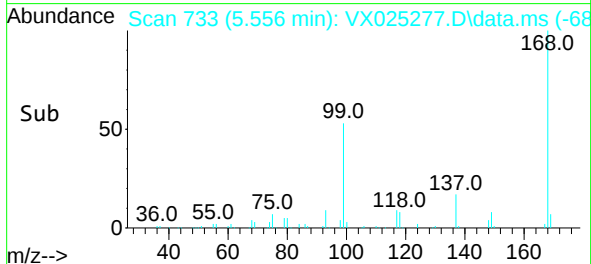
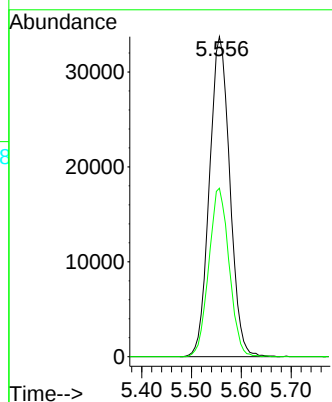
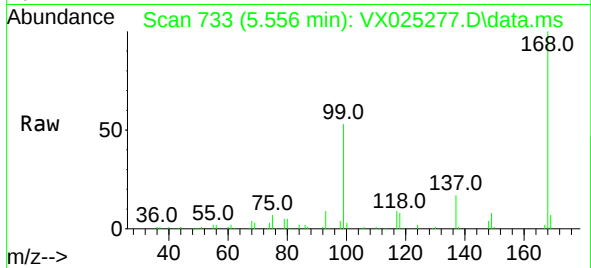




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

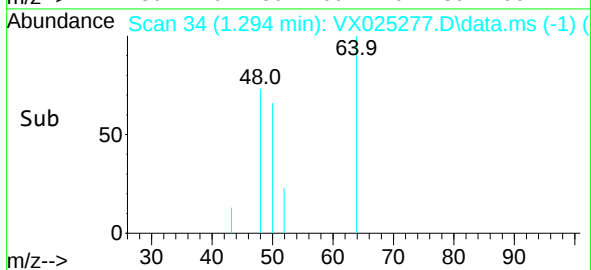
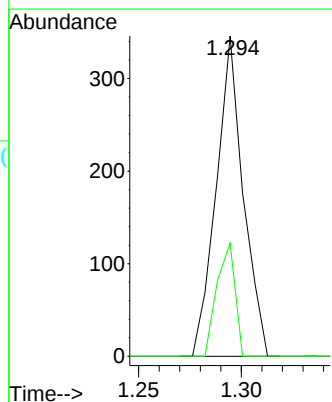
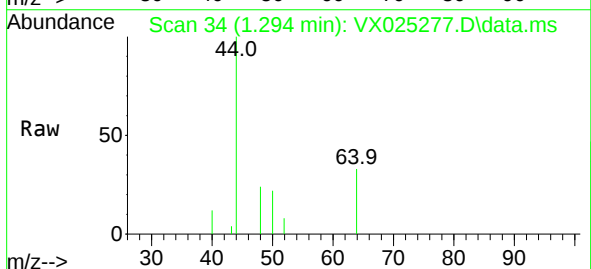
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

Tgt Ion:168 Resp: 95854  
Ion Ratio Lower Upper  
168 100  
99 52.6 46.4 69.6



#3  
Chloromethane  
Concen: 0.307 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion: 50 Resp: 316  
Ion Ratio Lower Upper  
50 100  
52 35.3 25.9 38.9

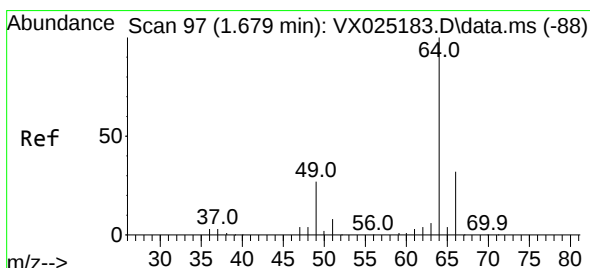
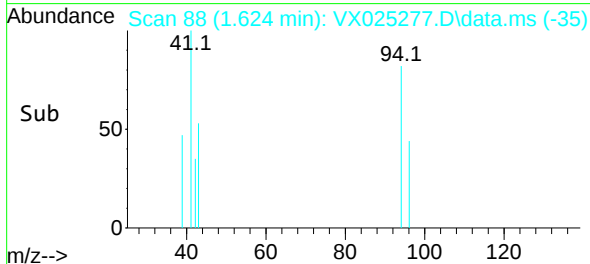
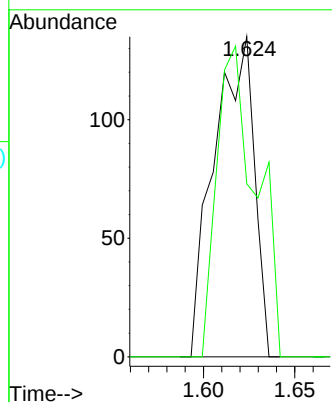
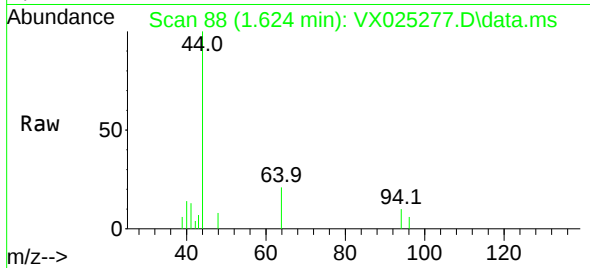




#5  
Bromomethane  
Concen: 0.424 ug/l  
RT: 1.624 min Scan# 84  
Delta R.T. 0.025 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

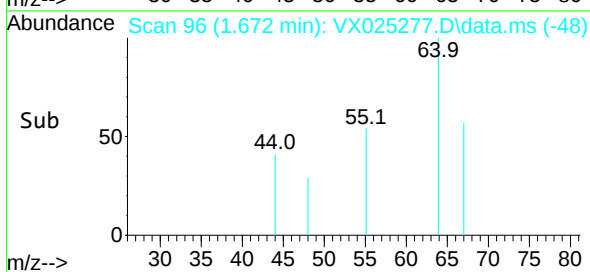
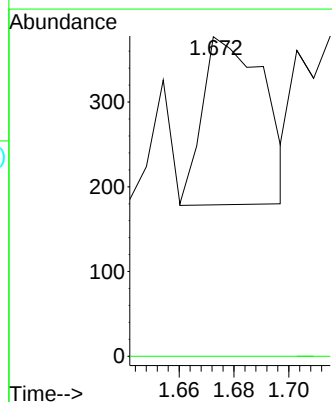
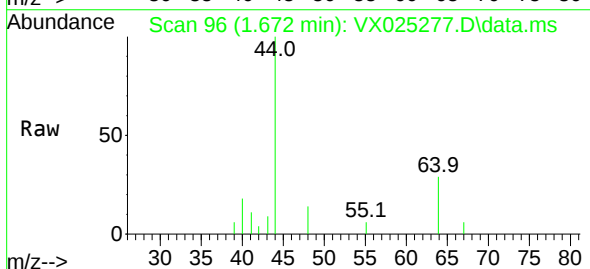
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

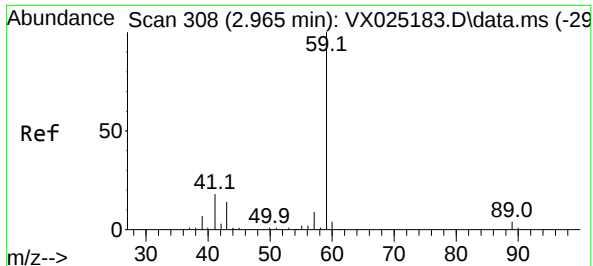
Tgt Ion: 94 Resp: 206  
Ion Ratio Lower Upper  
94 100  
96 54.1 74.8 112.2#



#6  
Chloroethane  
Concen: 0.398 ug/l  
RT: 1.672 min Scan# 96  
Delta R.T. -0.007 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion: 64 Resp: 310  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.6 38.4#

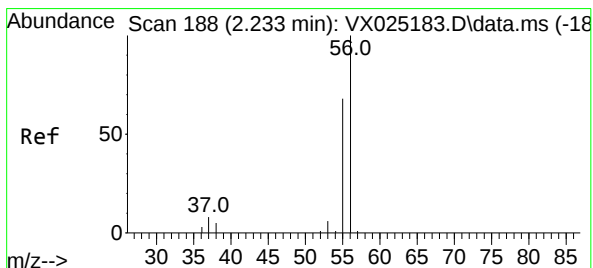
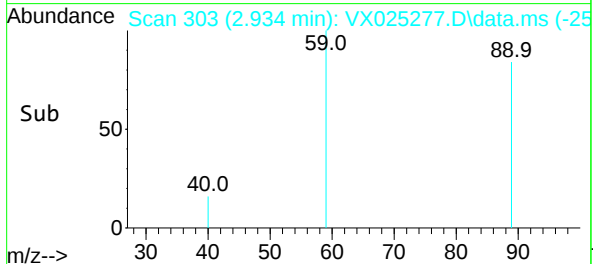
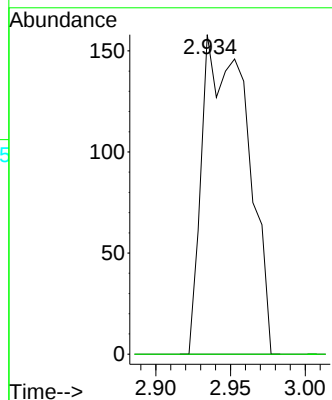
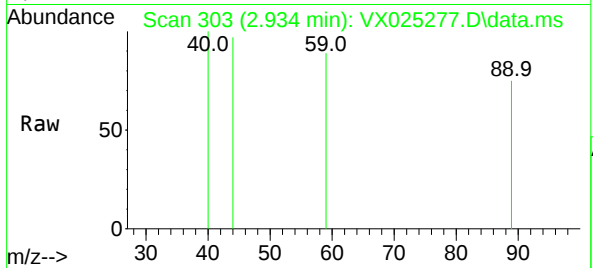




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.934 min Scan# 30  
Delta R.T. -0.031 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

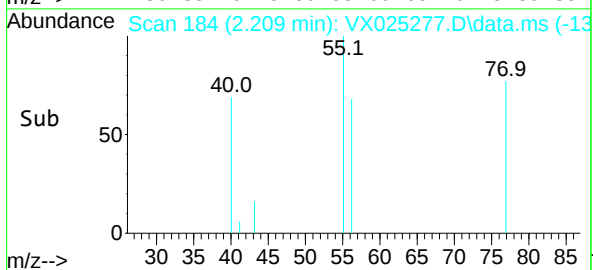
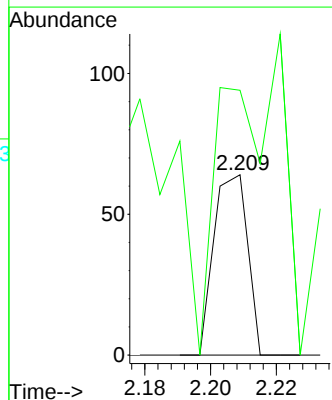
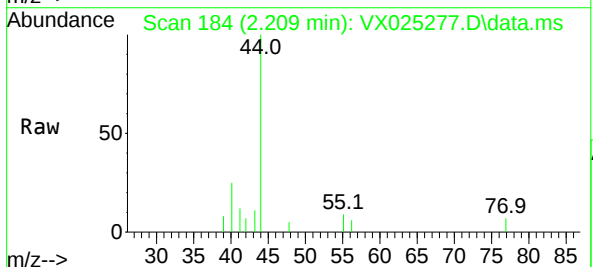
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

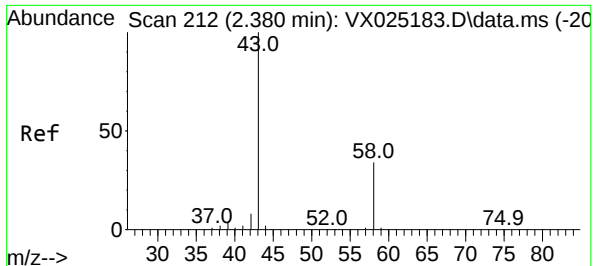
Tgt Ion: 59 Resp: 331  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#13  
Acrolein  
Concen: 0.972 ug/l  
RT: 2.209 min Scan# 184  
Delta R.T. -0.024 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion: 56 Resp: 45  
Ion Ratio Lower Upper  
56 100  
55 344.4 58.6 87.8#

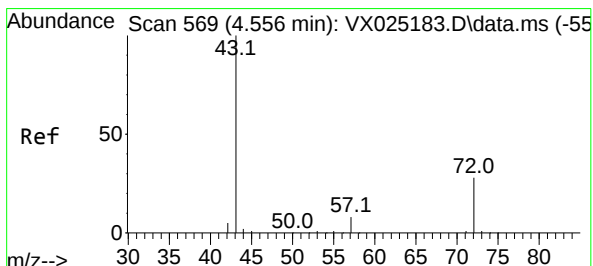
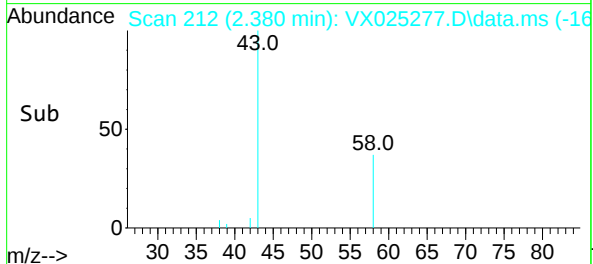
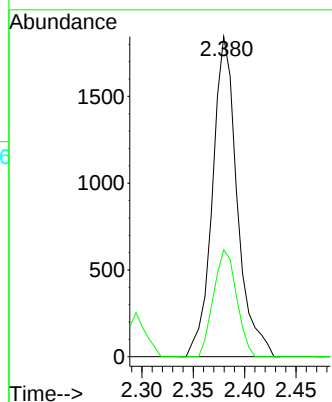
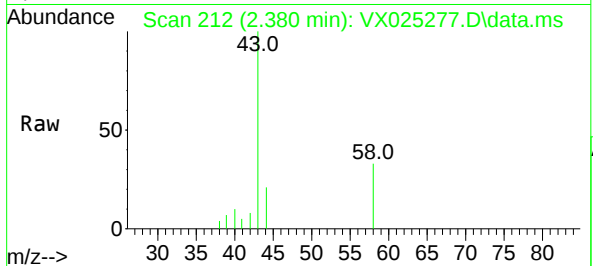




#16  
Acetone  
Concen: 5.495 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

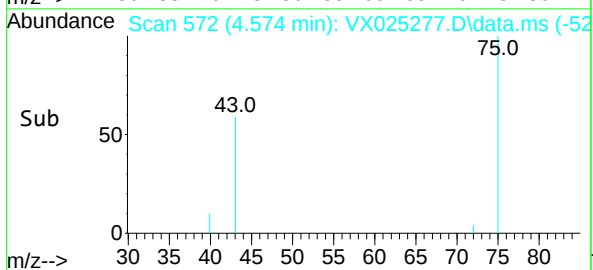
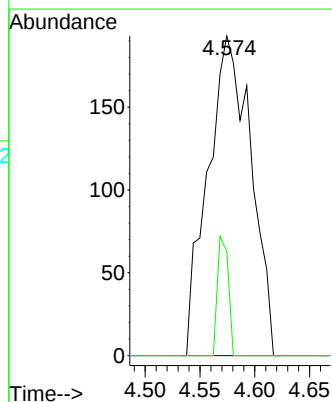
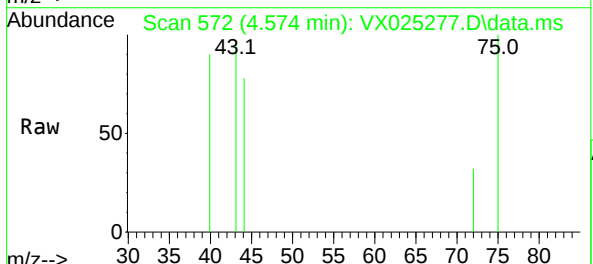
Instrument : MSVOA\_X  
ClientSampleId : BP-VPB-RW9-GW-798-800

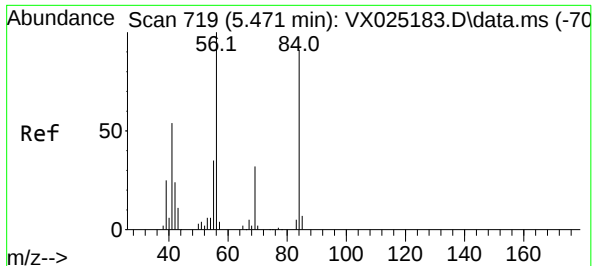
Tgt Ion: 43 Resp: 3085  
Ion Ratio Lower Upper  
43 100  
58 33.4 24.0 36.0



#25  
2-Butanone  
Concen: 0.649 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.018 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

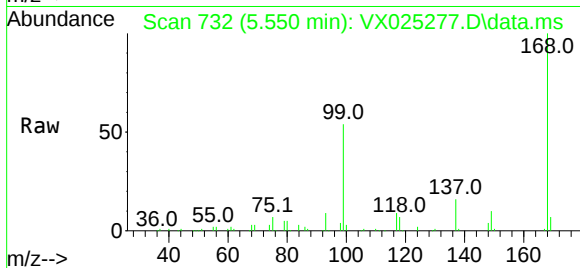
Tgt Ion: 43 Resp: 527  
Ion Ratio Lower Upper  
43 100  
72 32.6 21.2 31.8#



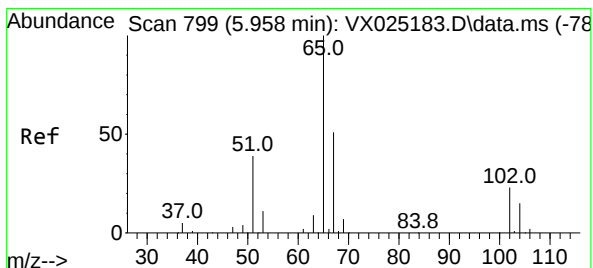
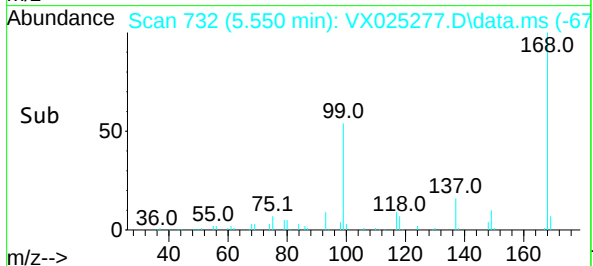
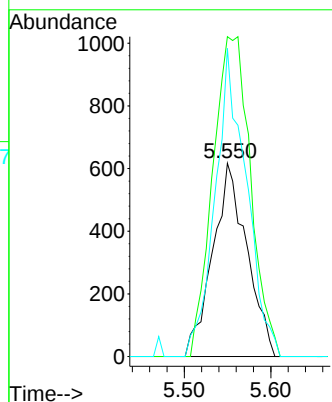


#31  
Cyclohexane  
Concen: 1.080 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

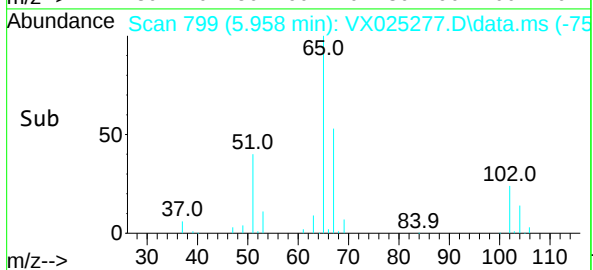
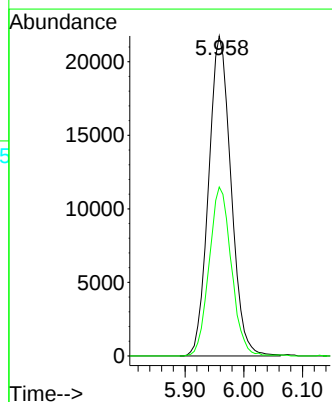
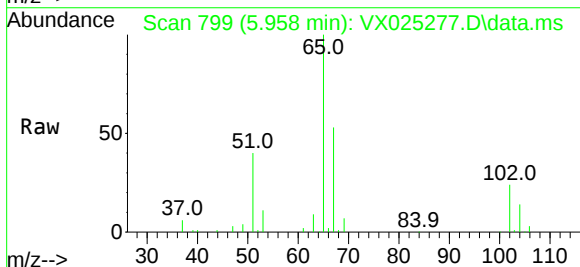


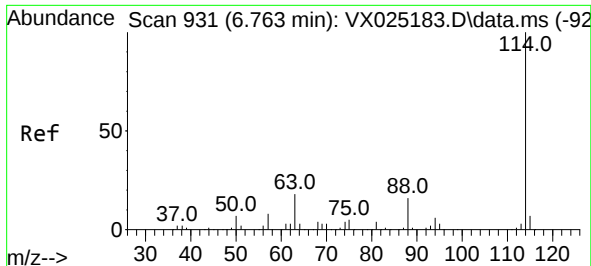
Tgt Ion: 56 Resp: 1686  
Ion Ratio Lower Upper  
56 100  
69 165.5 24.2 36.2#  
84 159.3 71.5 107.3#



#33  
1,2-Dichloroethane-d4  
Concen: 56.967 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion: 65 Resp: 57558  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 101.0

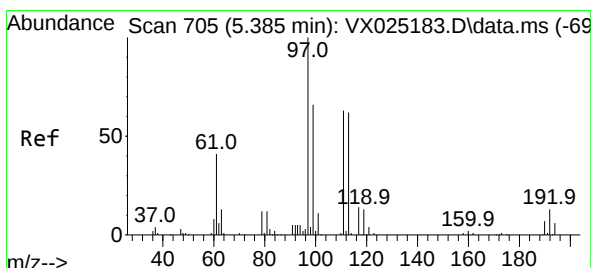
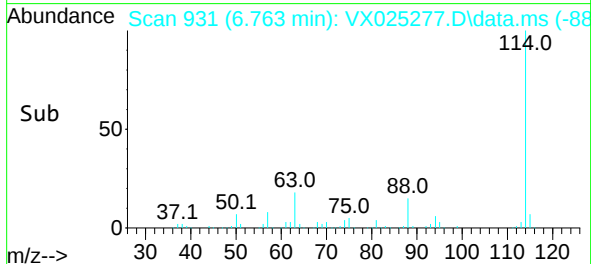
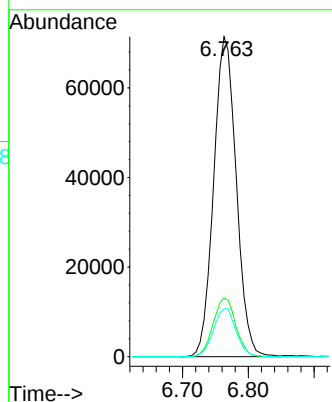
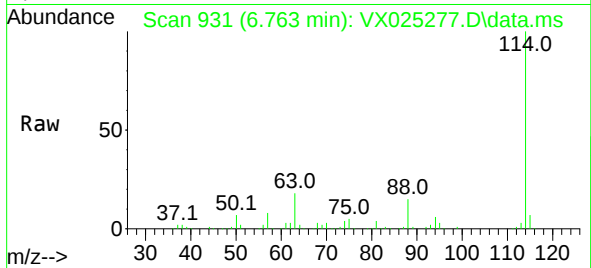




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

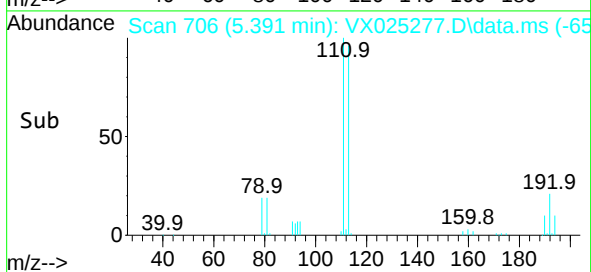
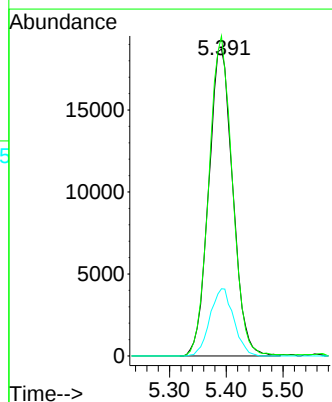
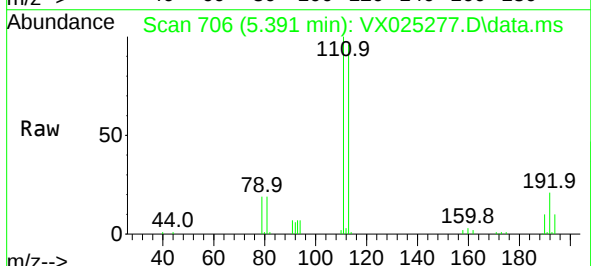
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

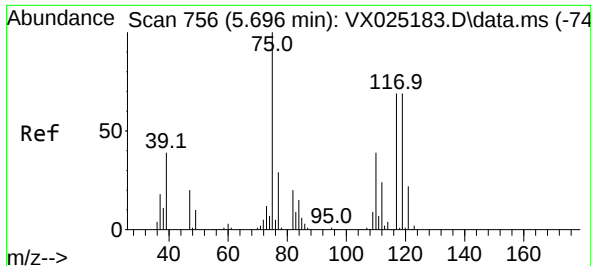
Tgt Ion:114 Resp: 170667  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 41.0  
88 14.9 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 52.767 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion:113 Resp: 55255  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.1 123.1  
192 21.6 15.6 23.4

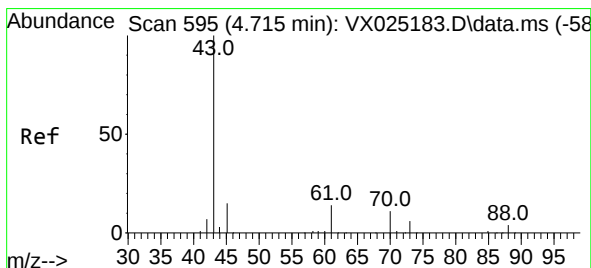
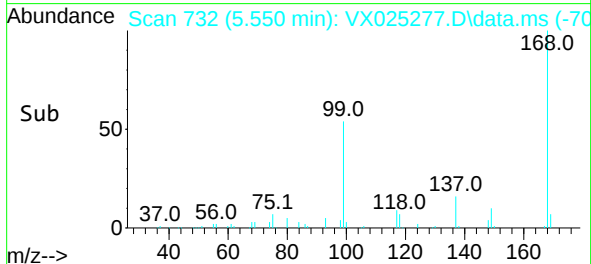
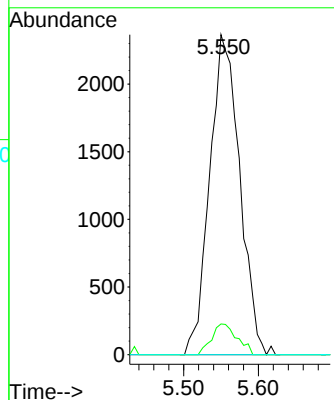
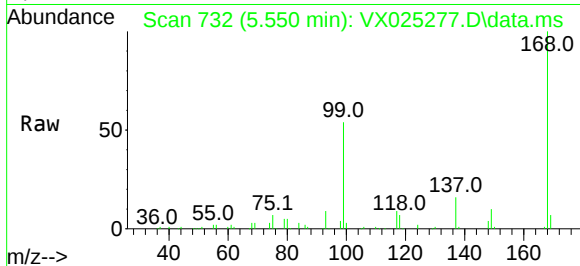




#36  
1,1-Dichloropropene  
Concen: 4.432 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

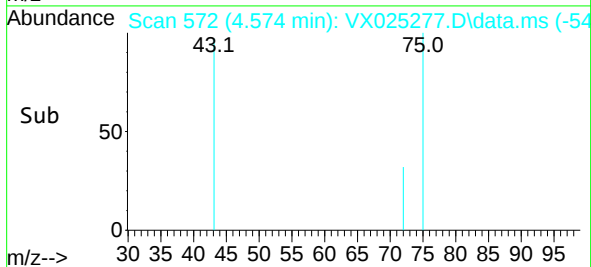
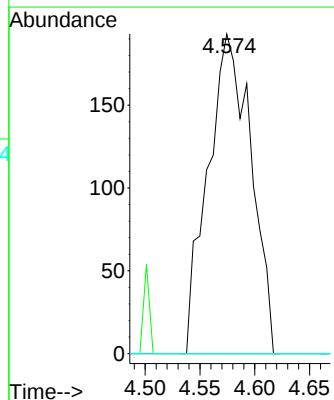
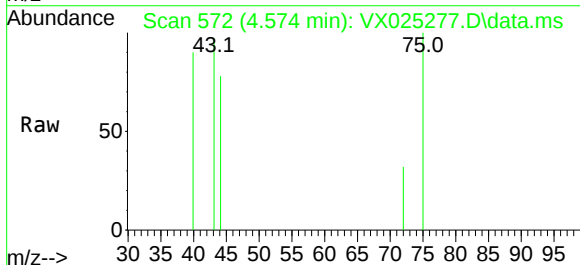
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

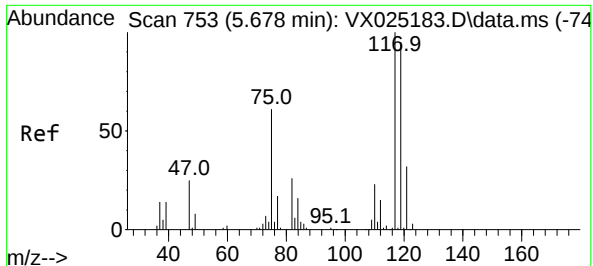
Tgt Ion: 75 Resp: 6599  
Ion Ratio Lower Upper  
75 100  
110 8.1 18.1 54.3#  
77 0.0 24.4 36.6#



#37  
Ethyl Acetate  
Concen: 0.311 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. -0.141 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

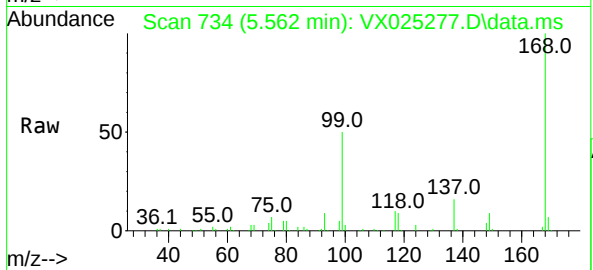
Tgt Ion: 43 Resp: 527  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.4 17.0#  
70 0.0 8.6 12.8#



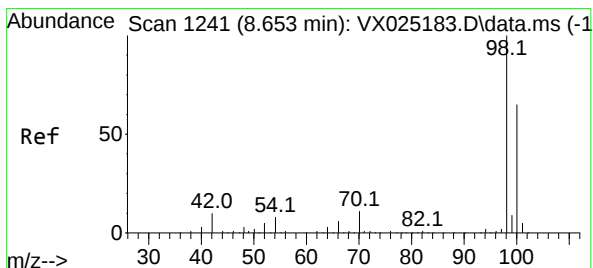
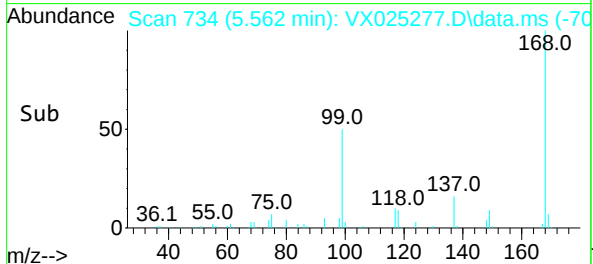
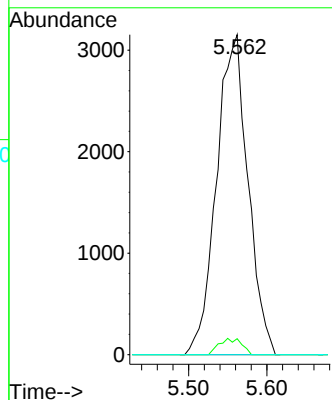


#38  
Carbon Tetrachloride  
Concen: 5.359 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

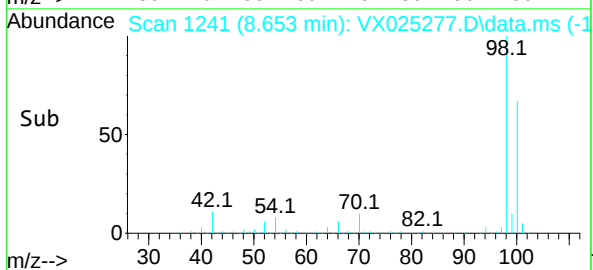
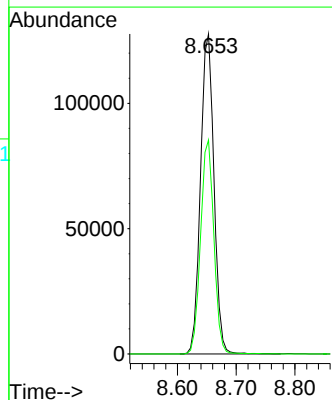
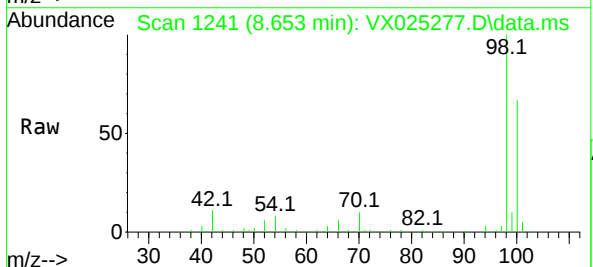


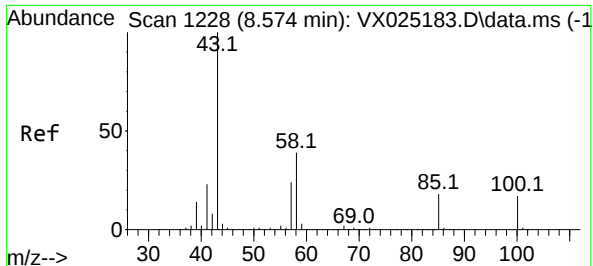
Tgt Ion:117 Resp: 8789  
Ion Ratio Lower Upper  
117 100  
119 5.0 75.6 113.4#  
121 0.0 23.7 35.5#



#50  
Toluene-d8  
Concen: 51.520 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion: 98 Resp: 202841  
Ion Ratio Lower Upper  
98 100  
100 66.3 51.4 77.0

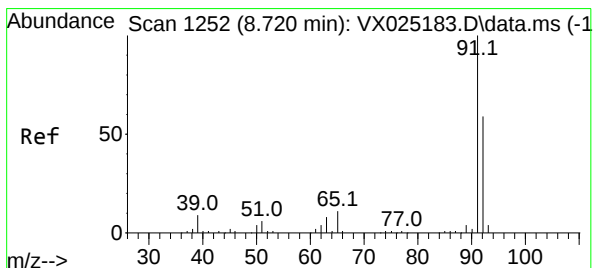
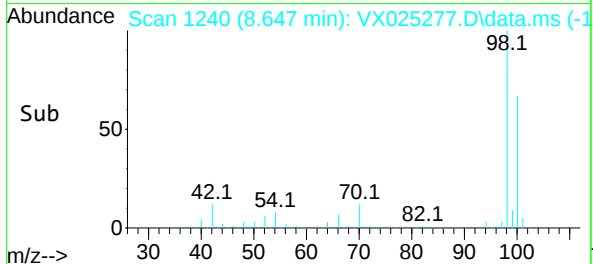
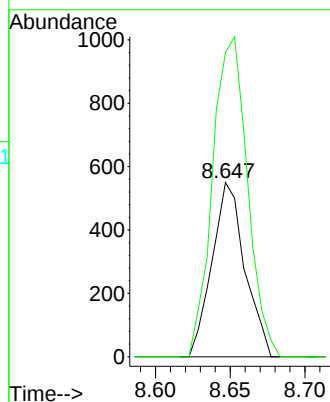
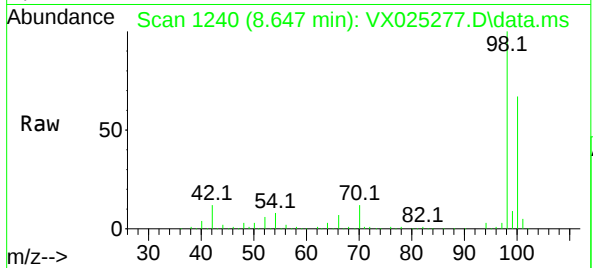




#51  
4-Methyl-2-Pentanone  
Concen: 0.475 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

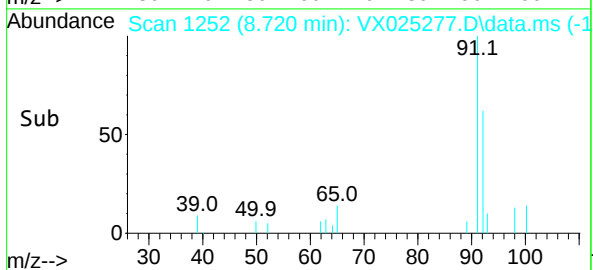
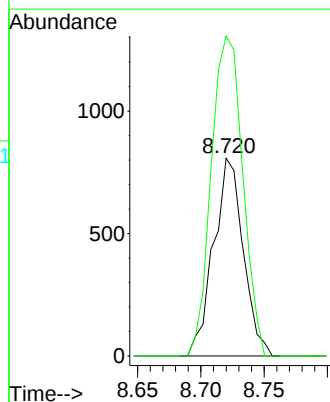
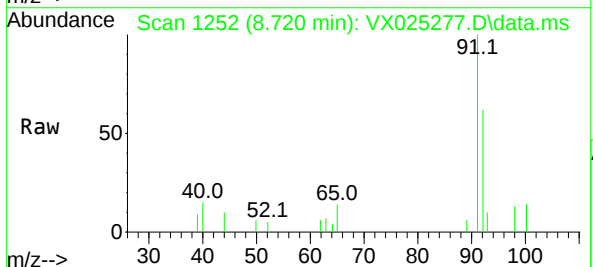
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

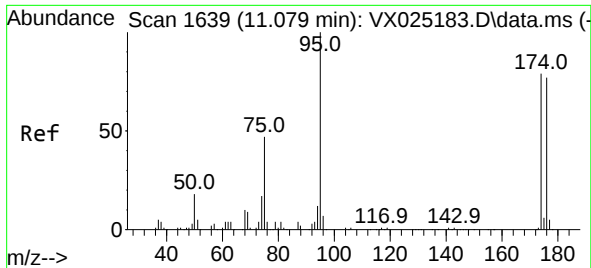
Tgt Ion: 43 Resp: 839  
Ion Ratio Lower Upper  
43 100  
58 194.9 30.9 46.3#



#52  
Toluene  
Concen: 0.447 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion: 92 Resp: 1317  
Ion Ratio Lower Upper  
92 100  
91 171.8 138.6 208.0

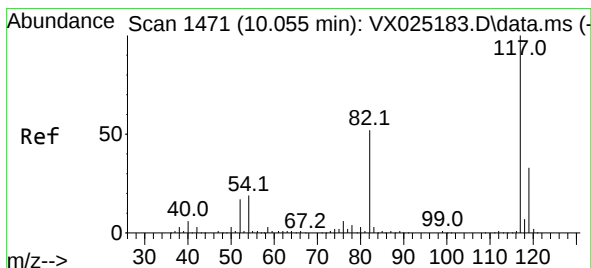
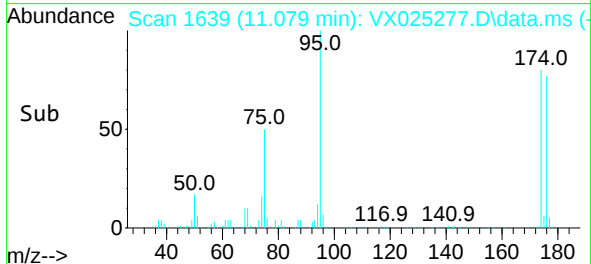
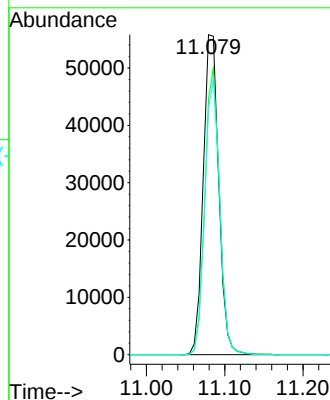
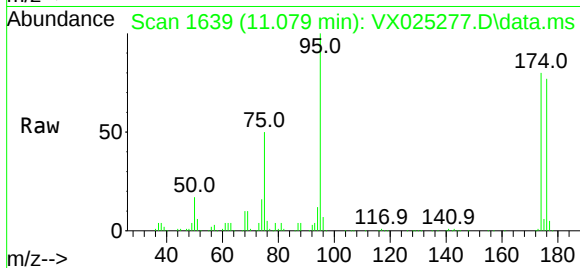




#62  
4-Bromofluorobenzene  
Concen: 51.358 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

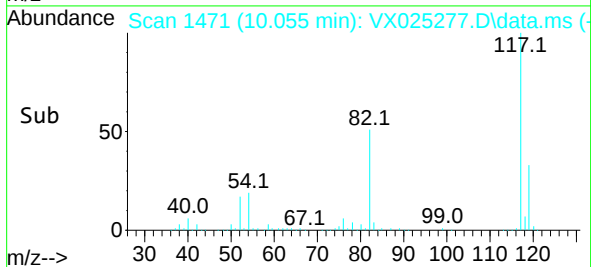
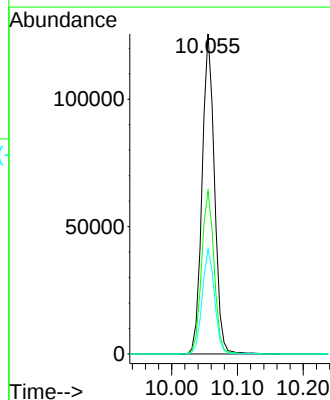
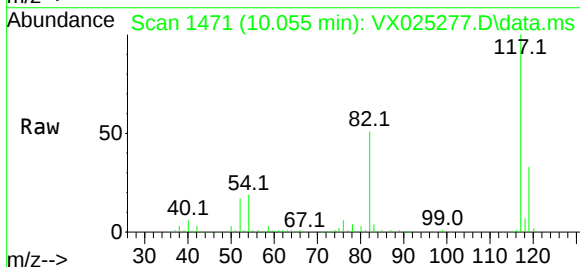
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

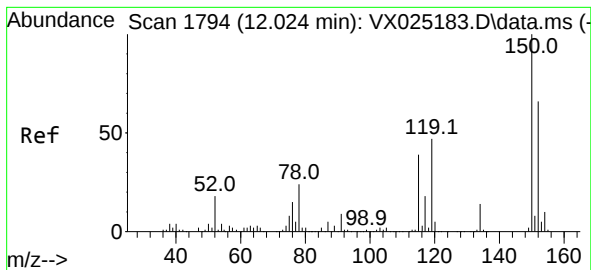
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 76497 |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 174 86.2    | 0.0 158.0   |
| 176 83.1    | 0.0 153.6   |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

|              |              |
|--------------|--------------|
| Tgt Ion: 117 | Resp: 164152 |
| Ion Ratio    | Lower Upper  |
| 117 100      |              |
| 82 50.9      | 44.6 67.0    |
| 119 32.7     | 24.8 37.2    |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025277.D

Acq: 23 Nov 2021 16:18

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW9-GW-798-800

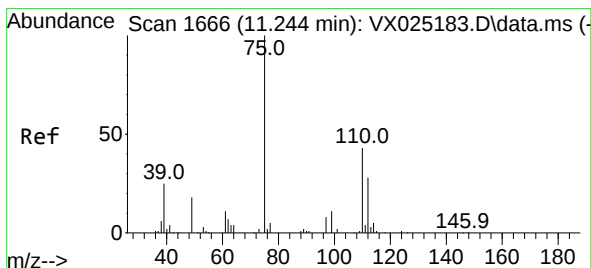
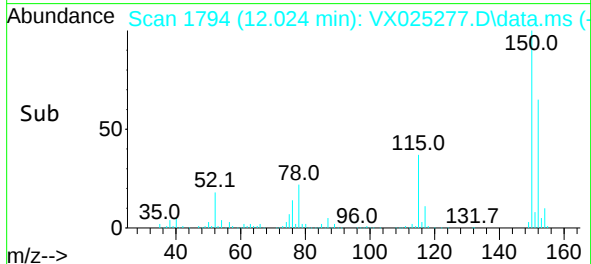
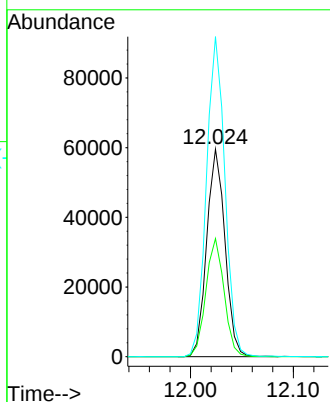
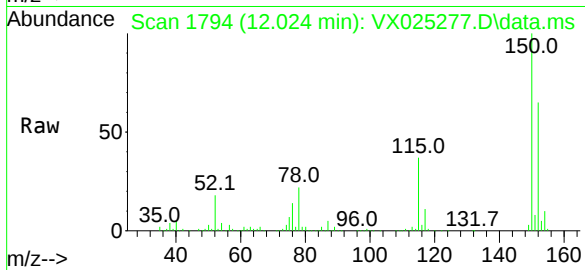
Tgt Ion:152 Resp: 73610

Ion Ratio Lower Upper

152 100

115 56.9 43.3 129.8

150 155.9 0.0 351.2



#76

1,2,3-Trichloropropane

Concen: 24.520 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025277.D

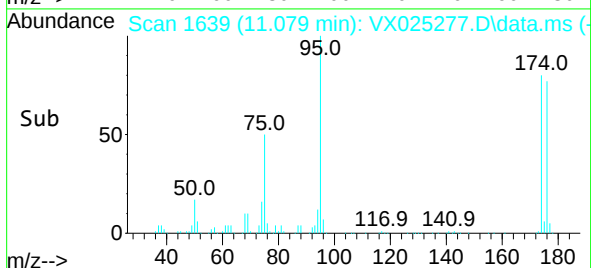
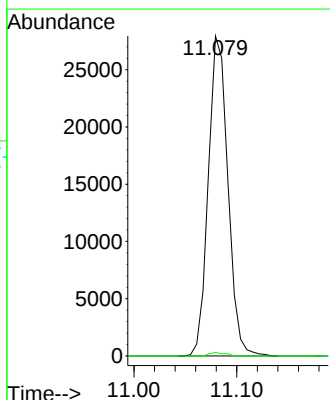
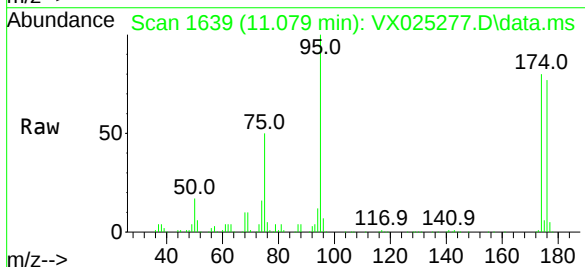
Acq: 23 Nov 2021 16:18

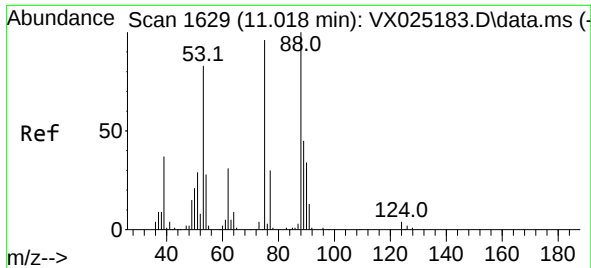
Tgt Ion: 75 Resp: 36961

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#

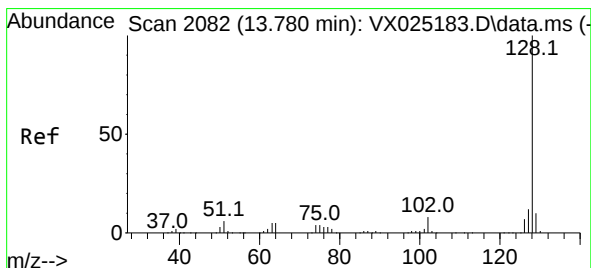
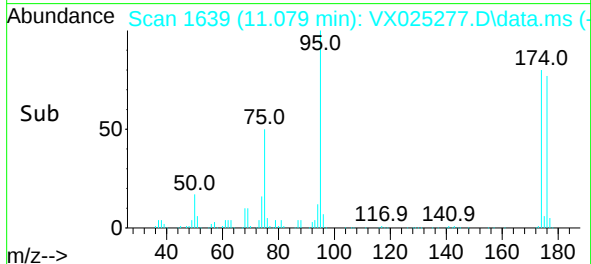
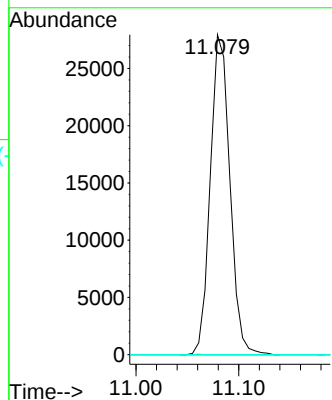
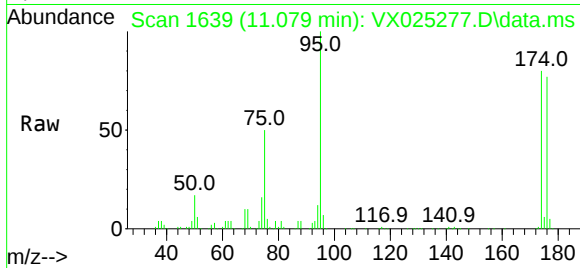




#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.770 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW9-GW-798-800

Tgt Ion: 75 Resp: 36961  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.9 122.9#  
89 0.1 38.2 57.2#



#95  
Naphthalene  
Concen: Below Cal  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.006 min  
Lab File: VX025277.D  
Acq: 23 Nov 2021 16:18

Tgt Ion:128 Resp: 199  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

