

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062122\  
 Data File : VX029670.D  
 Acq On : 21 Jun 2022 18:29  
 Operator : JC/MD  
 Sample : N3342-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TT-MW149S1-210-212

Quant Time: Jun 22 01:12:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061822W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 20 01:31:01 2022  
 Response via : Initial Calibration

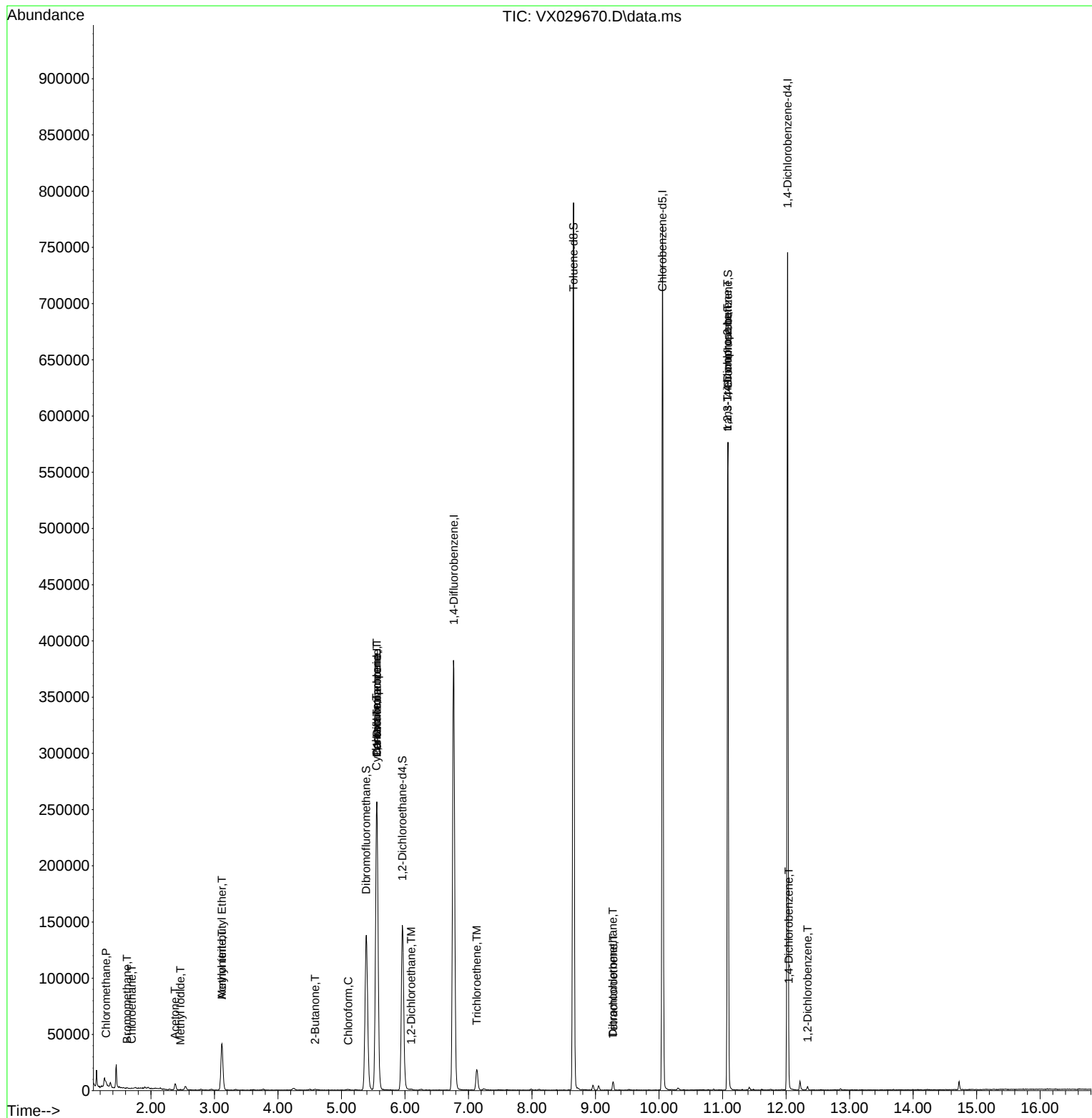
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 244837     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 417354     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 361337     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 155165     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 139510     | 43.046    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 86.100%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 122806     | 45.152    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 90.300%   |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 472314     | 47.535    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 95.080%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 166217     | 44.360    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 88.720%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 3) Chloromethane              | 1.295          | 50   | 1154       | 0.361     | ug/l   | 90       |
| 5) Bromomethane               | 1.624          | 94   | 475        | 0.317     | ug/l # | 69       |
| 6) Chloroethane               | 1.697          | 64   | 184        | 1.371     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.465          | 142  | 378        | 3.139     | ug/l # | 82       |
| 11) Tert butyl alcohol        | 2.953          | 59   | 391        | Below Cal | #      | 72       |
| 15) Acrylonitrile             | 3.117          | 53   | 671        | 0.443     | ug/l # | 16       |
| 16) Acetone                   | 2.380          | 43   | 6328       | 4.899     | ug/l   | 90       |
| 19) Methyl tert-butyl Ether   | 3.117          | 73   | 48945      | 5.684     | ug/l   | 100      |
| 25) 2-Butanone                | 4.587          | 43   | 1145       | 0.561     | ug/l   | 94       |
| 30) Chloroform                | 5.105          | 83   | 1050       | 0.208     | ug/l   | 84       |
| 31) Cyclohexane               | 5.550          | 56   | 4518       | 1.038     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 17510      | 4.757     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 25167      | 6.952     | ug/l # | 15       |
| 42) 1,2-Dichloroethane        | 6.099          | 62   | 878        | 0.234     | ug/l # | 73       |
| 44) Trichloroethene           | 7.129          | 130  | 8176       | 1.550     | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.275          | 129  | 1496       | 0.545     | ug/l # | 9        |
| 64) Tetrachloroethene         | 9.281          | 164  | 1445       | 0.553     | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 79494      | 23.517    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 79494      | 78.235    | ug/l # | 15       |
| 88) 1,4-Dichlorobenzene       | 12.043         | 146  | 1287       | 0.255     | ug/l # | 1        |
| 91) 1,2-Dichlorobenzene       | 12.341         | 146  | 1082       | 0.218     | ug/l   | 97       |
| -----                         |                |      |            |           |        |          |

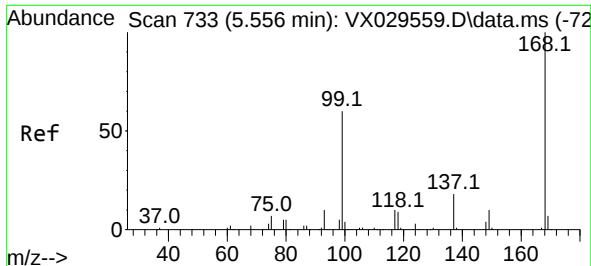
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
BP-TT-MW149S1-210-212

Quant Time: Jun 22 01:12:17 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061822W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 20 01:31:01 2022  
Response via : Initial Calibration

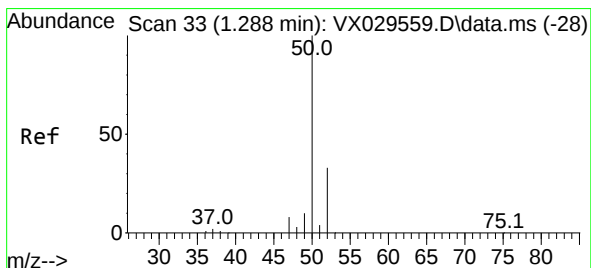
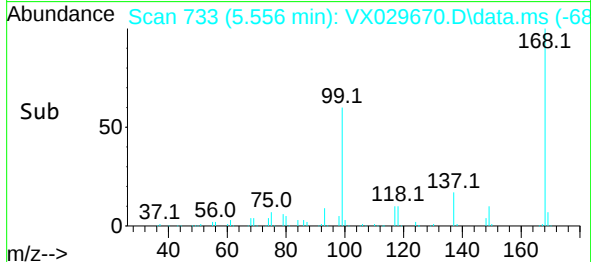
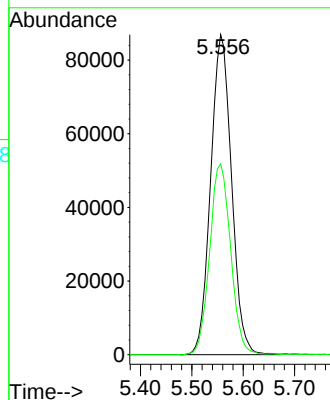
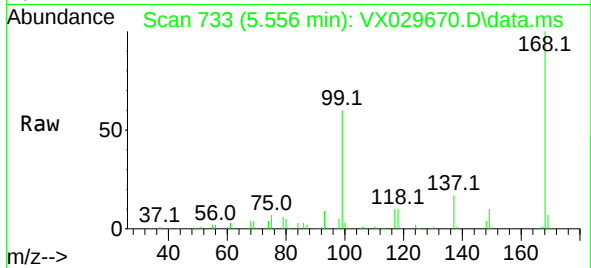




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

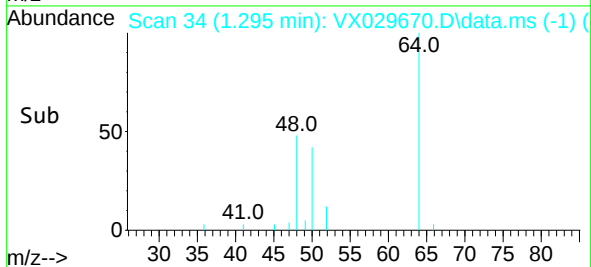
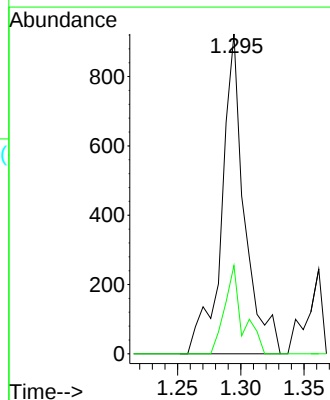
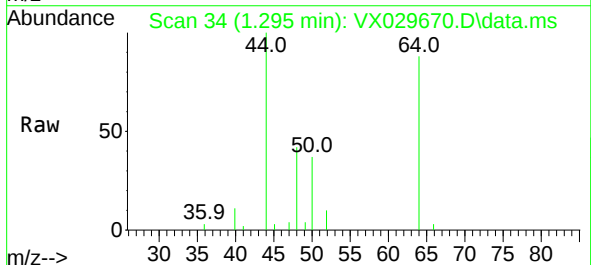
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-MW149S1-210-212

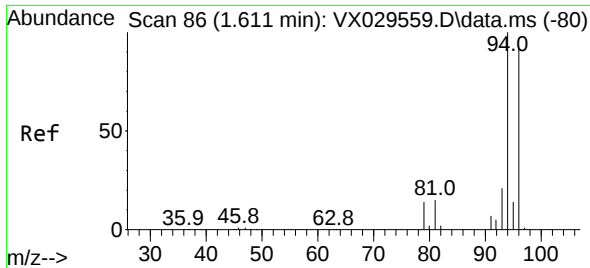
Tgt Ion:168 Resp: 244837  
Ion Ratio Lower Upper  
168 100  
99 59.7 41.7 62.5



#3  
Chloromethane  
Concen: 0.361 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.007 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

Tgt Ion: 50 Resp: 1154  
Ion Ratio Lower Upper  
50 100  
52 27.6 26.4 39.6

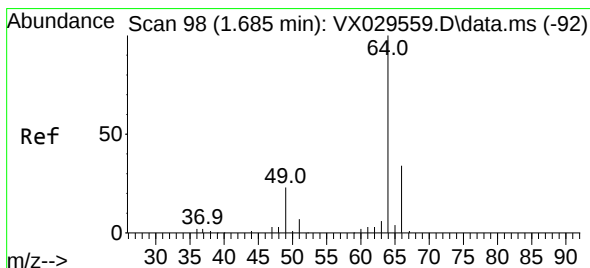
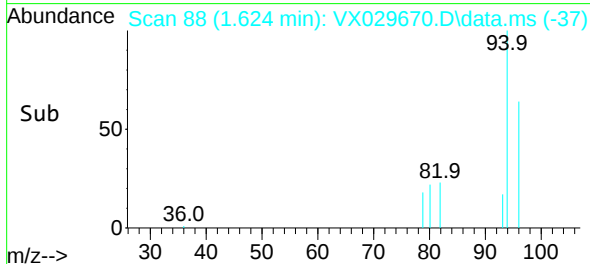
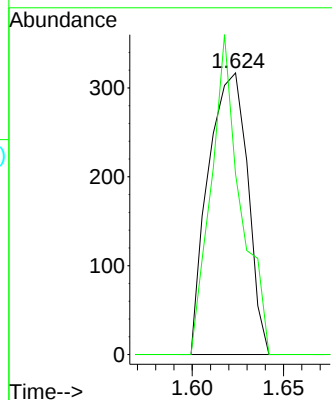
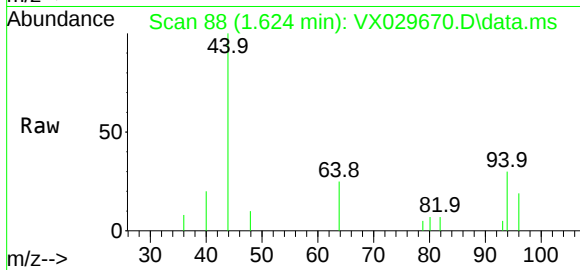




#5  
Bromomethane  
Concen: 0.317 ug/l  
RT: 1.624 min Scan# 81  
Delta R.T. 0.013 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

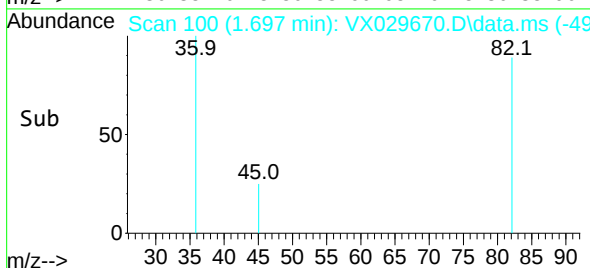
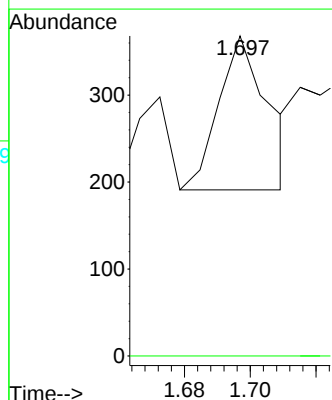
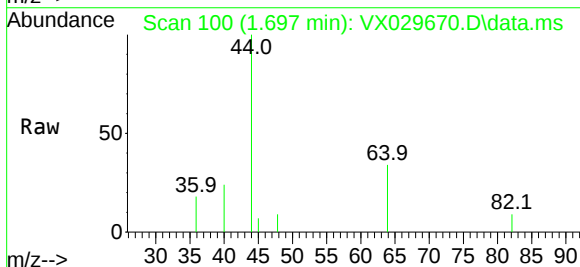
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-MW149S1-210-212

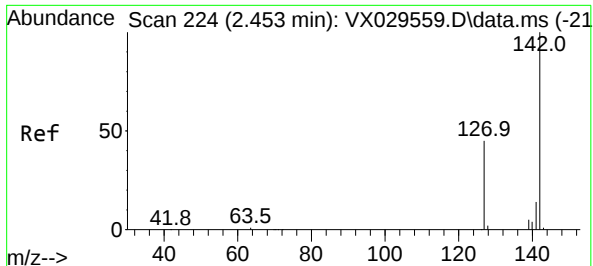
Tgt Ion: 94 Resp: 475  
Ion Ratio Lower Upper  
94 100  
96 64.0 75.3 112.9#



#6  
Chloroethane  
Concen: 1.371 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.012 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

Tgt Ion: 64 Resp: 184  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#

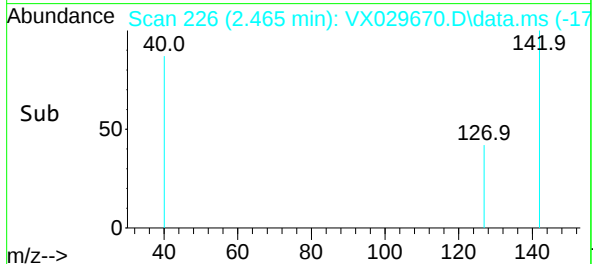
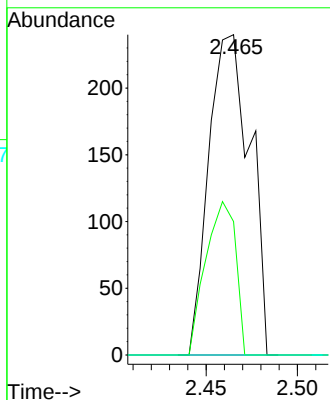
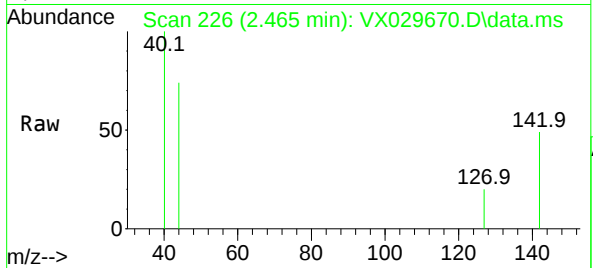




#10  
Methyl Iodide  
Concen: 3.139 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

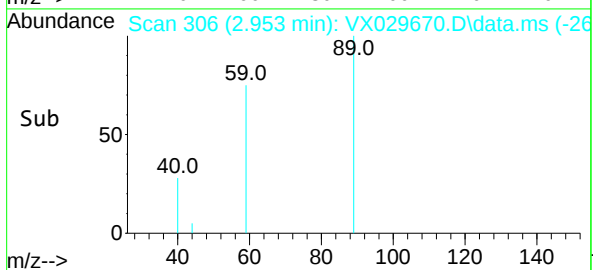
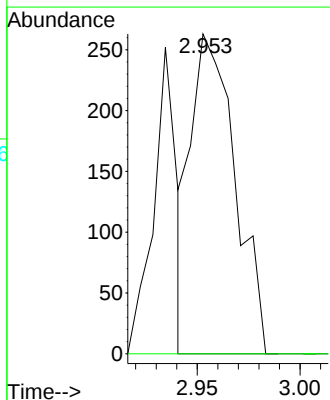
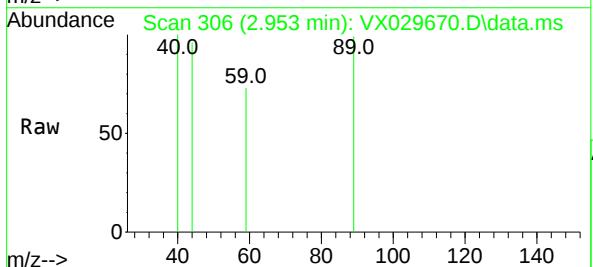
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-MW149S1-210-212

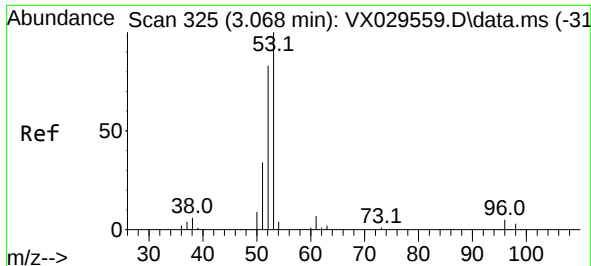
Tgt Ion:142 Resp: 378  
Ion Ratio Lower Upper  
142 100  
127 34.7 33.9 50.9  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.953 min Scan# 306  
Delta R.T. -0.030 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

Tgt Ion: 59 Resp: 391  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#15

Acrylonitrile

Concen: 0.443 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.049 min

Lab File: VX029670.D

Acq: 21 Jun 2022 18:29

Instrument :

MSVOA\_X

ClientSampleId :

BP-TT-MW149S1-210-212

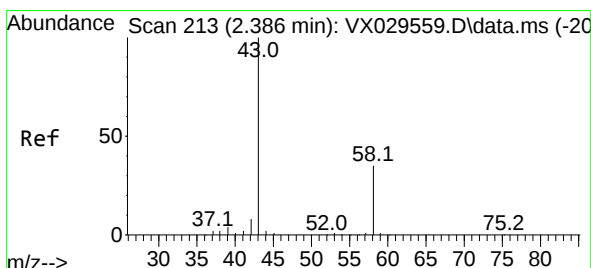
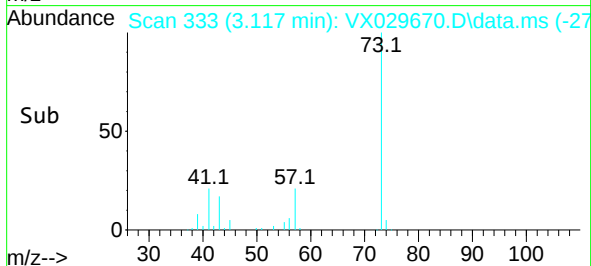
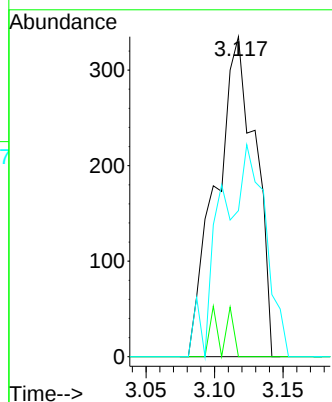
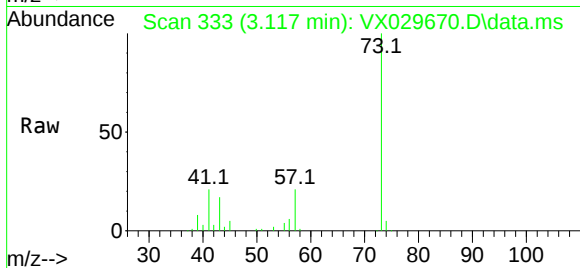
Tgt Ion: 53 Resp: 671

Ion Ratio Lower Upper

53 100

52 0.0 65.7 98.5#

51 74.7 28.4 42.6#



#16

Acetone

Concen: 4.899 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX029670.D

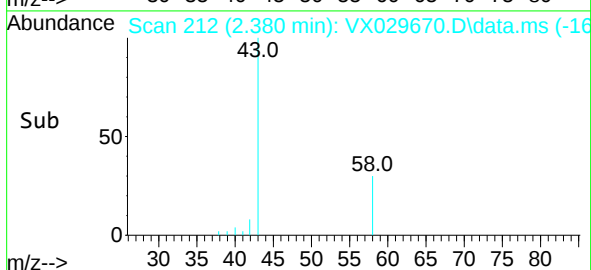
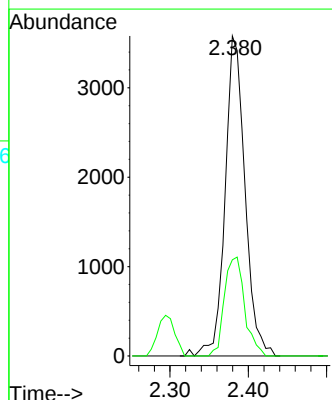
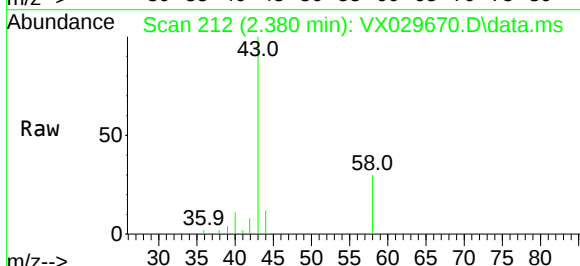
Acq: 21 Jun 2022 18:29

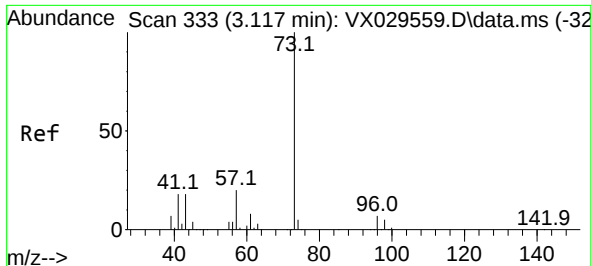
Tgt Ion: 43 Resp: 6328

Ion Ratio Lower Upper

43 100

58 30.1 28.8 43.2

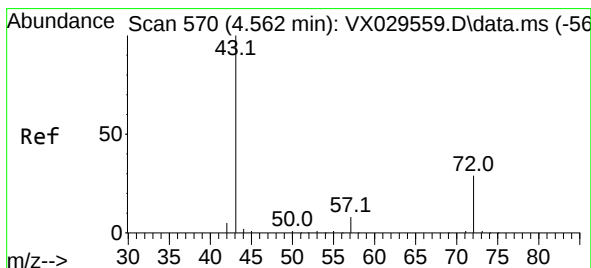
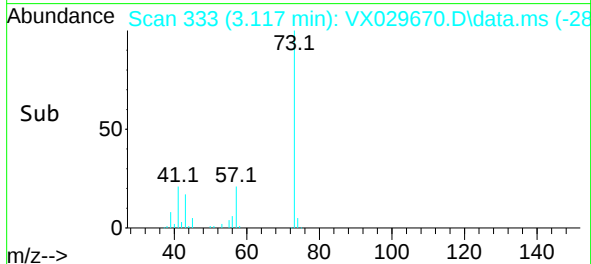
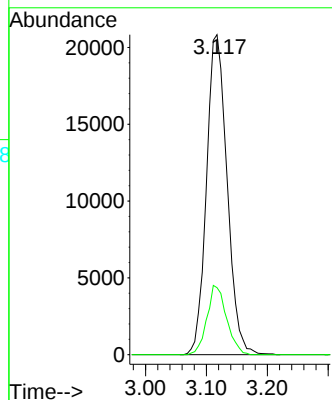
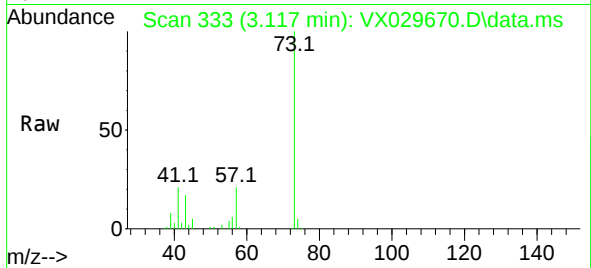




#19  
Methyl tert-butyl Ether  
Concen: 5.684 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

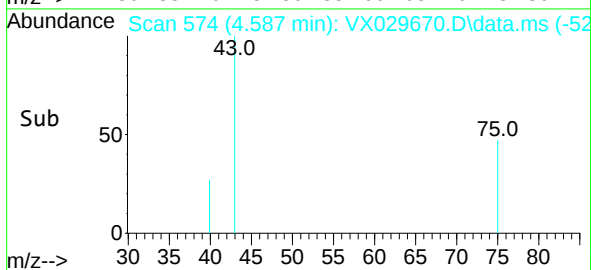
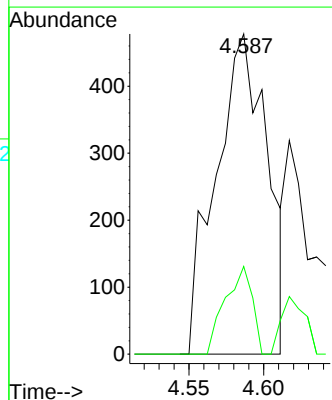
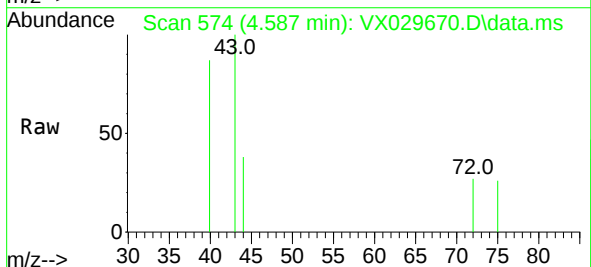
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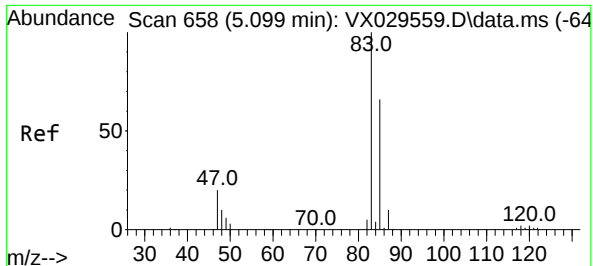
Tgt Ion: 73 Resp: 48945  
Ion Ratio Lower Upper  
73 100  
57 20.9 16.8 25.2



#25  
2-Butanone  
Concen: 0.561 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.025 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

Tgt Ion: 43 Resp: 1145  
Ion Ratio Lower Upper  
43 100  
72 27.4 24.4 36.6





#30

Chloroform

Concen: 0.208 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX029670.D

Acq: 21 Jun 2022 18:29

Instrument :

MSVOA\_X

ClientSampleId :

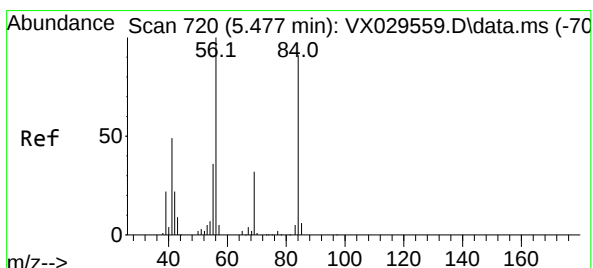
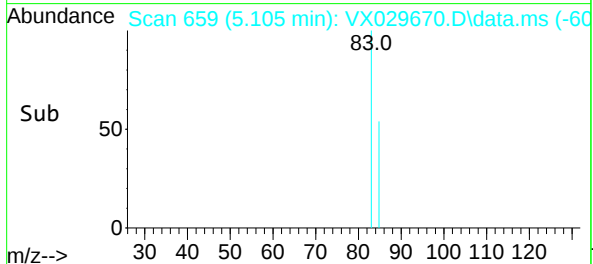
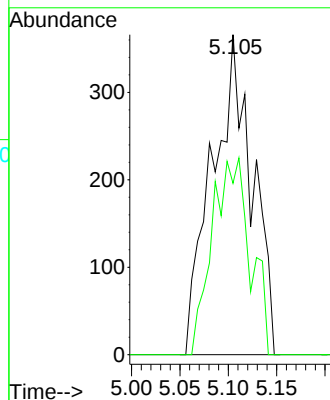
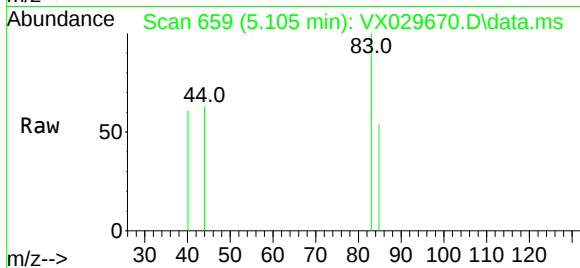
BP-TT-MW149S1-210-212

Tgt Ion: 83 Resp: 1050

Ion Ratio Lower Upper

83 100

85 53.6 52.7 79.1



#31

Cyclohexane

Concen: 1.038 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX029670.D

Acq: 21 Jun 2022 18:29

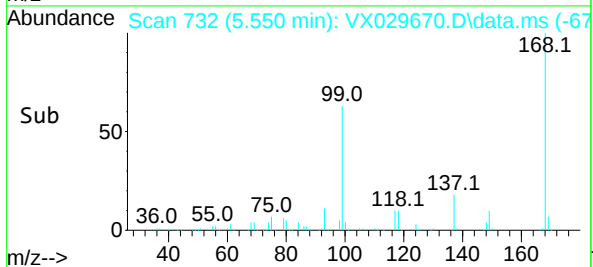
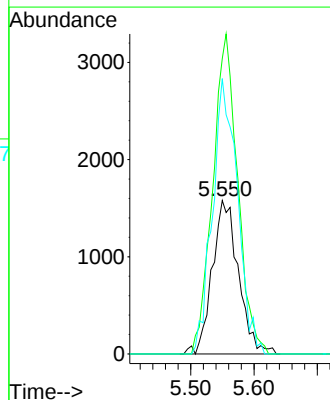
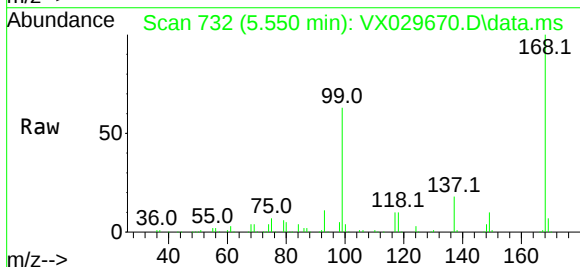
Tgt Ion: 56 Resp: 4518

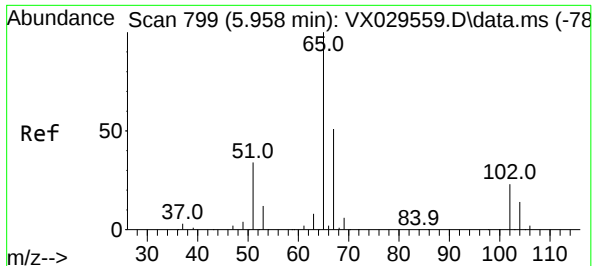
Ion Ratio Lower Upper

56 100

69 192.5 26.7 40.1#

84 179.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.046 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029670.D

Acq: 21 Jun 2022 18:29

Instrument :

MSVOA\_X

ClientSampleId :

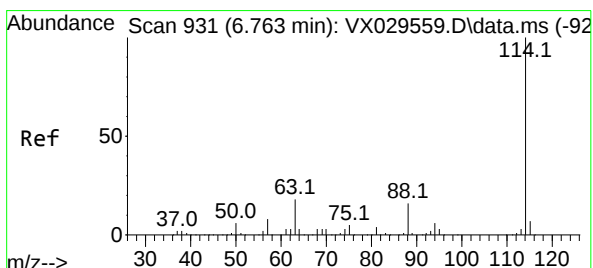
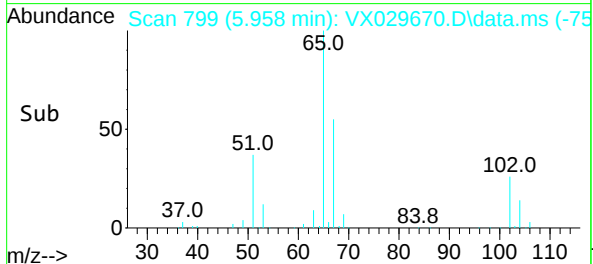
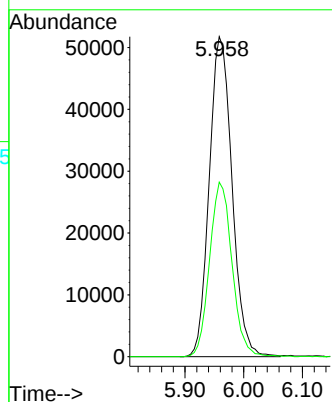
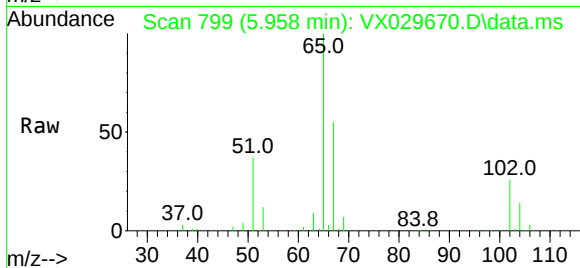
BP-TT-MW149S1-210-212

Tgt Ion: 65 Resp: 139510

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029670.D

Acq: 21 Jun 2022 18:29

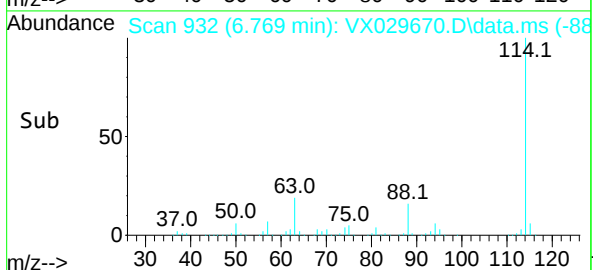
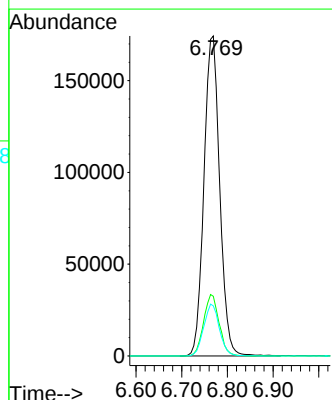
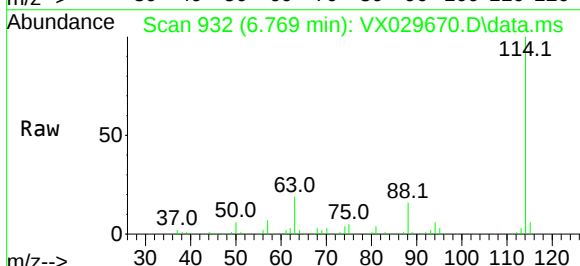
Tgt Ion: 114 Resp: 417354

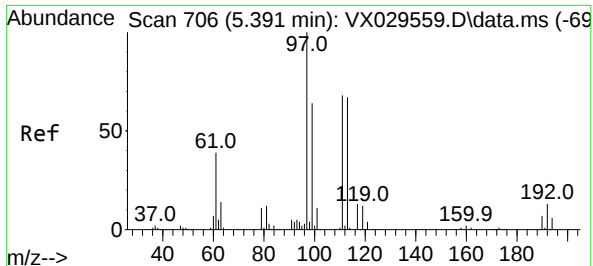
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.152 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX029670.D

Acq: 21 Jun 2022 18:29

Instrument :

MSVOA\_X

ClientSampleId :

BP-TT-MW149S1-210-212

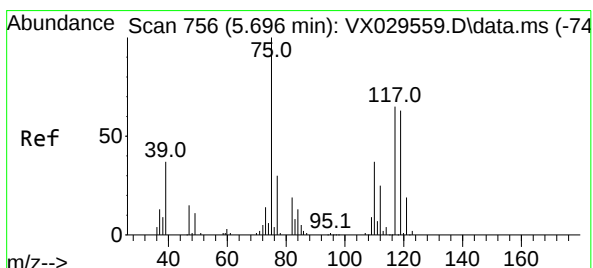
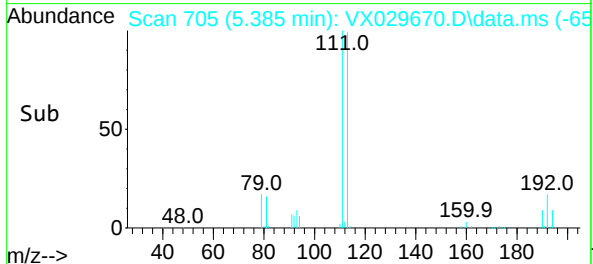
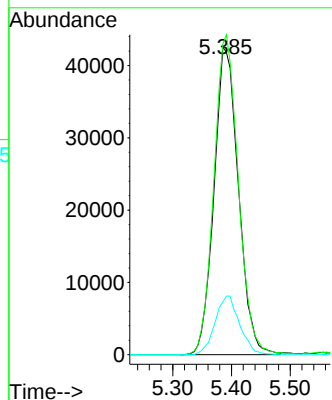
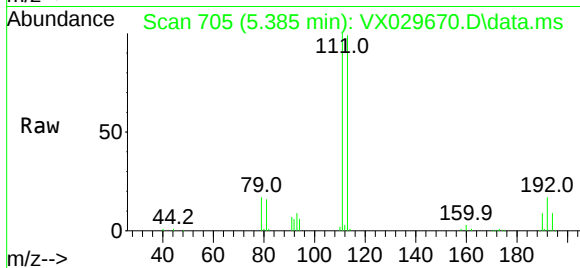
Tgt Ion:113 Resp: 122806

Ion Ratio Lower Upper

113 100

111 104.3 82.8 124.2

192 19.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.757 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029670.D

Acq: 21 Jun 2022 18:29

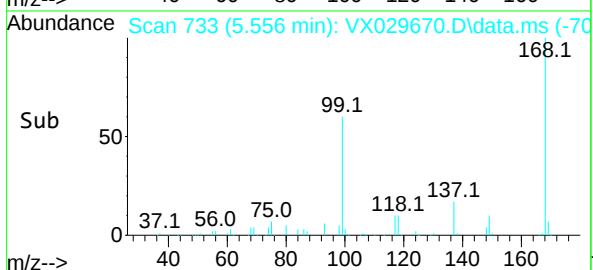
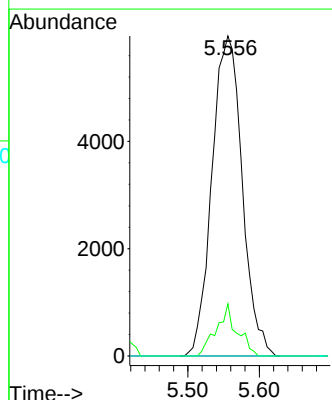
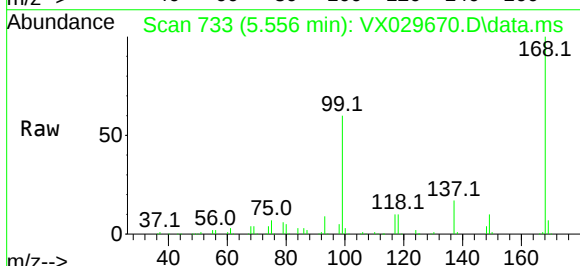
Tgt Ion: 75 Resp: 17510

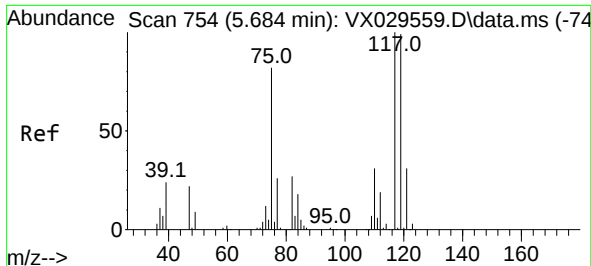
Ion Ratio Lower Upper

75 100

110 11.1 18.3 54.8#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.952 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX029670.D

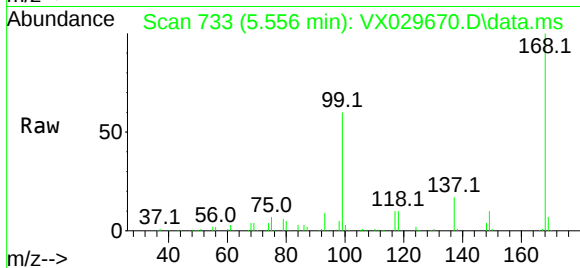
Acq: 21 Jun 2022 18:29

Instrument :

MSVOA\_X

ClientSampleId :

BP-TT-MW149S1-210-212



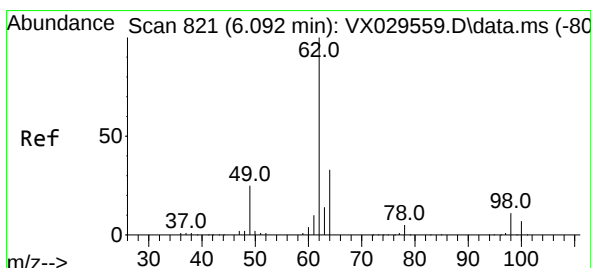
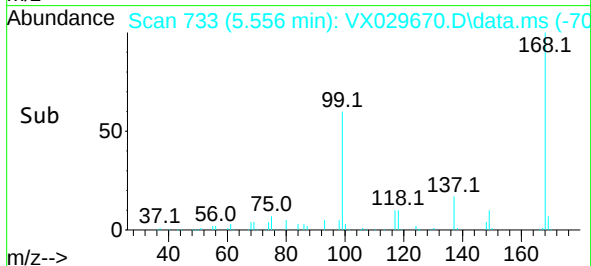
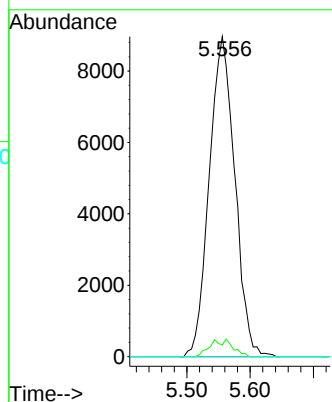
Tgt Ion:117 Resp: 25167

Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 0.234 ug/l

RT: 6.099 min Scan# 822

Delta R.T. 0.007 min

Lab File: VX029670.D

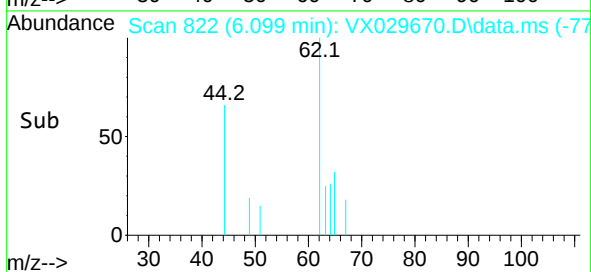
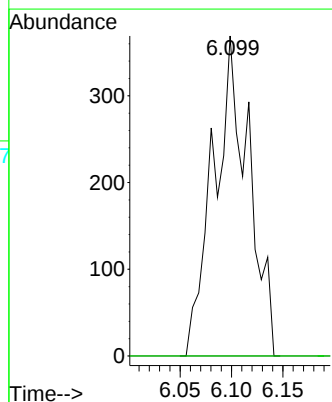
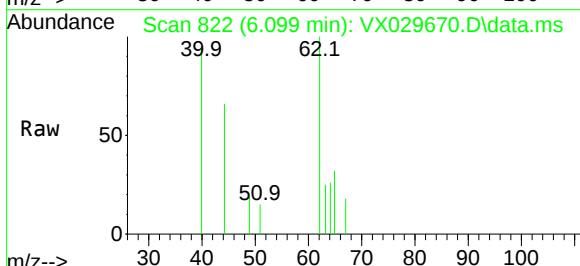
Acq: 21 Jun 2022 18:29

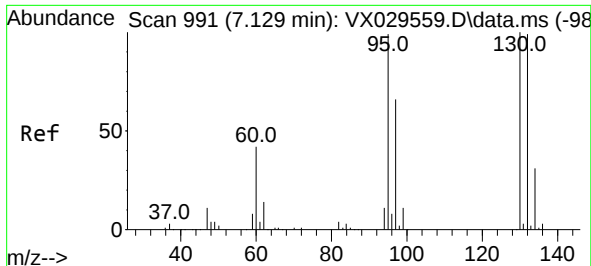
Tgt Ion: 62 Resp: 878

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

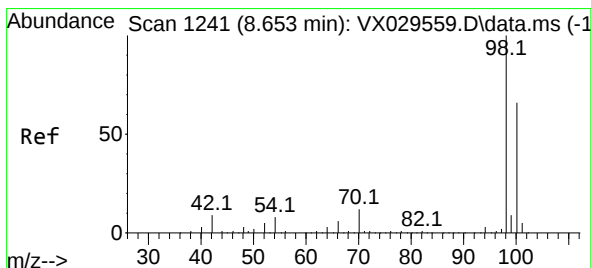
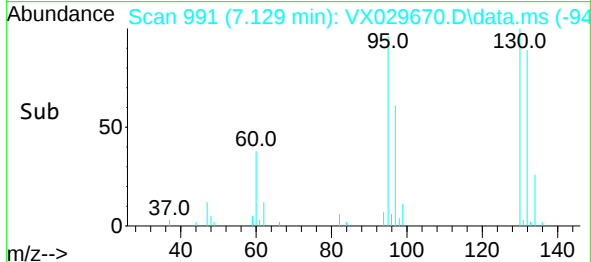
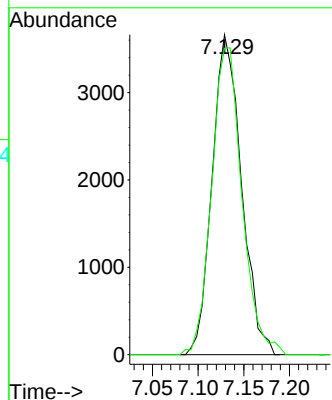
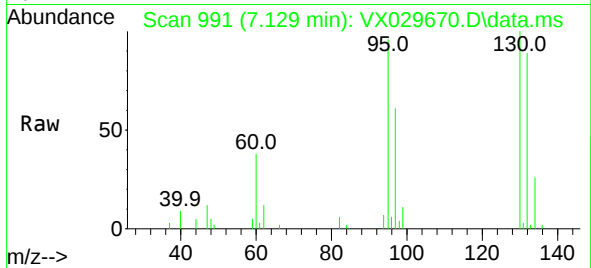




#44  
 Trichloroethene  
 Concen: 1.550 ug/l  
 RT: 7.129 min Scan# 991  
 Delta R.T. -0.000 min  
 Lab File: VX029670.D  
 Acq: 21 Jun 2022 18:29

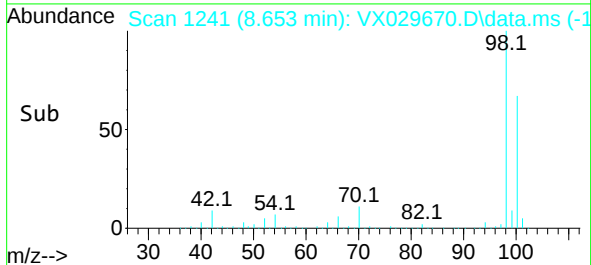
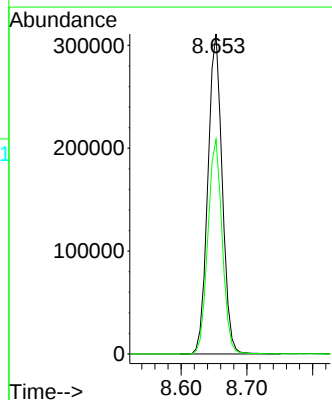
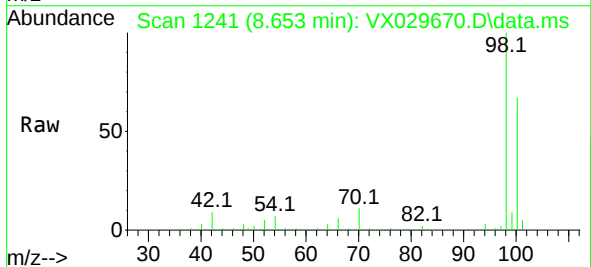
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TT-MW149S1-210-212

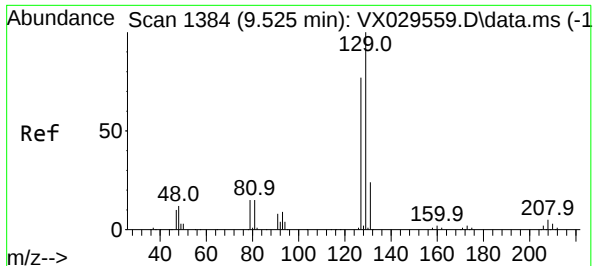
Tgt Ion:130 Resp: 8176  
 Ion Ratio Lower Upper  
 130 100  
 95 95.8 0.0 188.8



#50  
 Toluene-d8  
 Concen: 47.535 ug/l  
 RT: 8.653 min Scan# 1241  
 Delta R.T. -0.000 min  
 Lab File: VX029670.D  
 Acq: 21 Jun 2022 18:29

Tgt Ion: 98 Resp: 472314  
 Ion Ratio Lower Upper  
 98 100  
 100 66.9 52.6 78.8

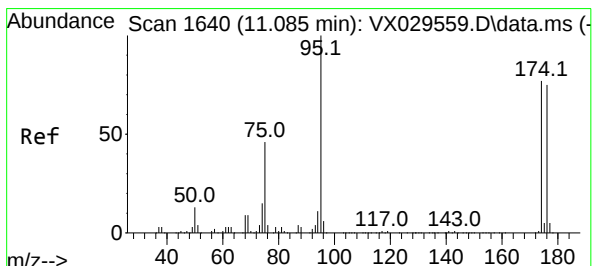
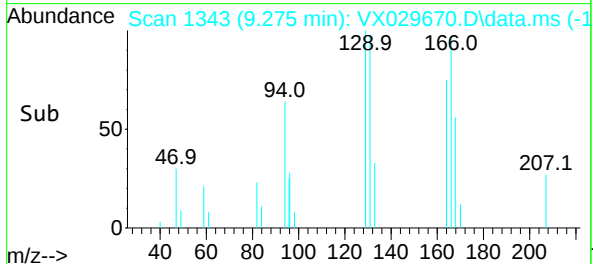
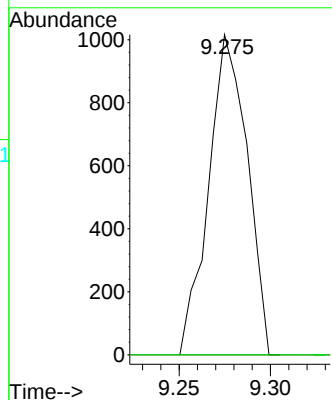
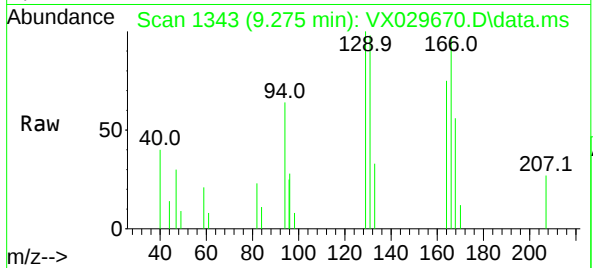




#60  
Dibromochloromethane  
Concen: 0.545 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.250 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

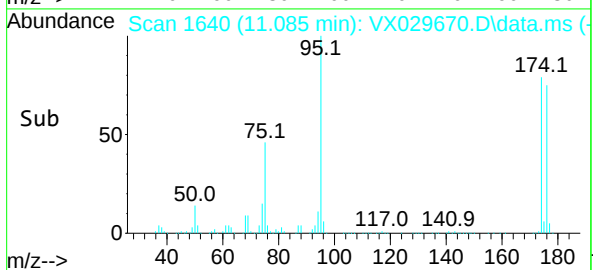
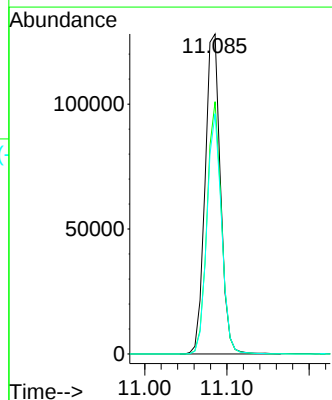
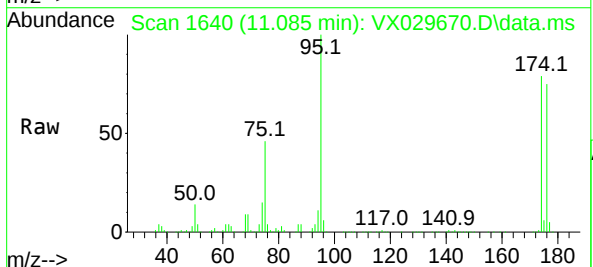
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-MW149S1-210-212

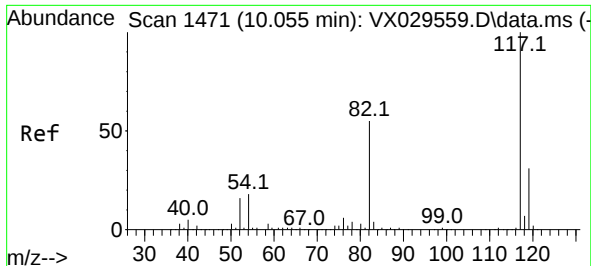
Tgt Ion:129 Resp: 1496  
Ion Ratio Lower Upper  
129 100  
127 0.0 40.3 120.8#



#62  
4-Bromofluorobenzene  
Concen: 44.360 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

Tgt Ion: 95 Resp: 166217  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 163.0  
176 71.4 0.0 155.0

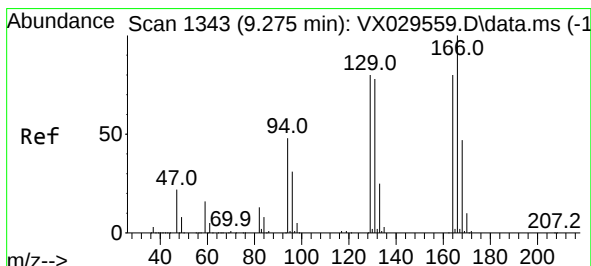
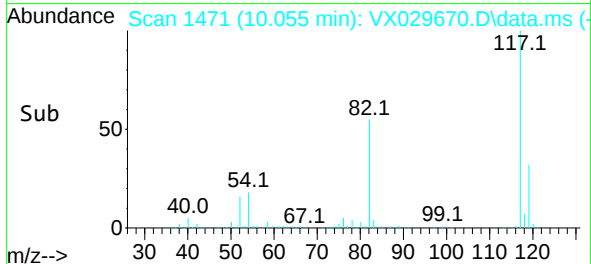
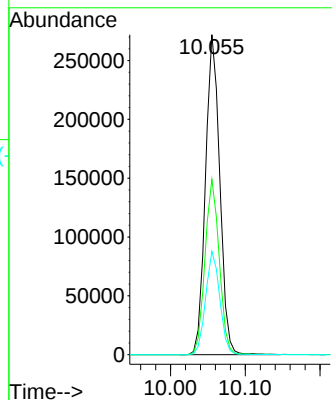
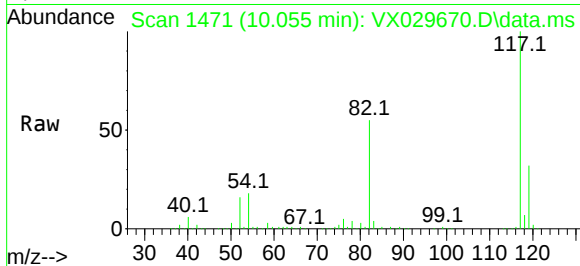




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

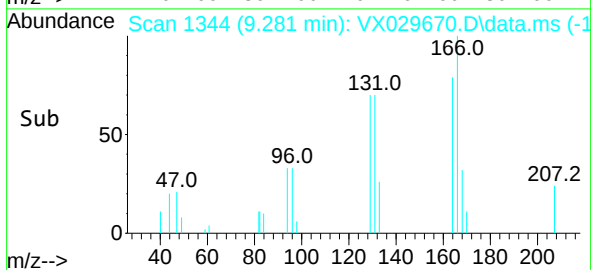
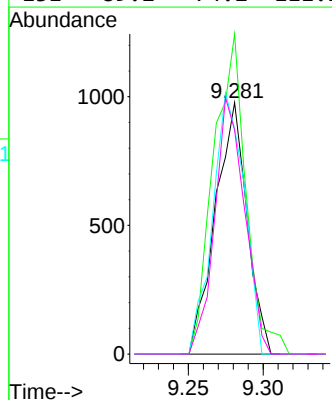
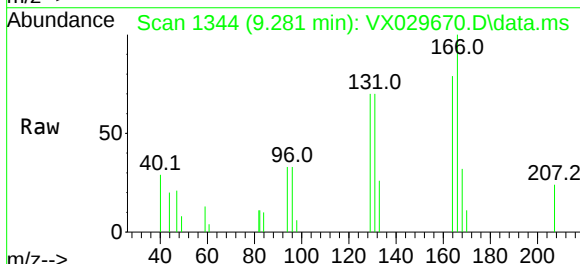
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-MW149S1-210-212

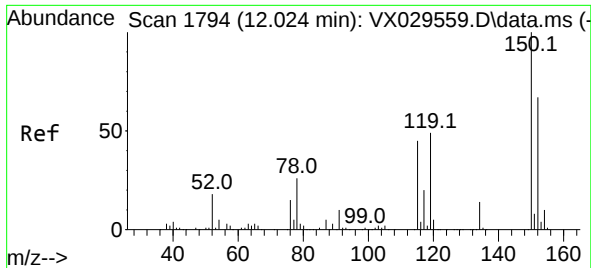
Tgt Ion:117 Resp: 361337  
Ion Ratio Lower Upper  
117 100  
82 54.8 41.8 62.8  
119 32.3 24.8 37.2



#64  
Tetrachloroethene  
Concen: 0.553 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. 0.006 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

Tgt Ion:164 Resp: 1445  
Ion Ratio Lower Upper  
164 100  
166 127.3 101.2 151.8  
129 89.6 73.0 109.4  
131 89.2 74.2 111.2

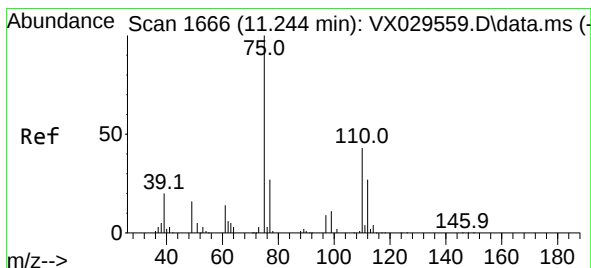
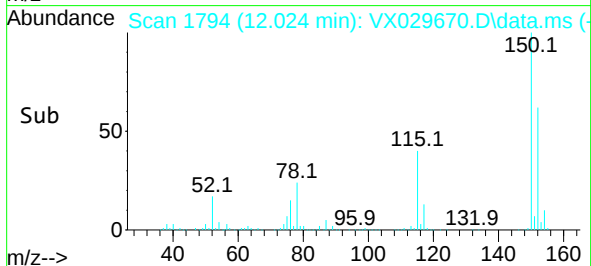
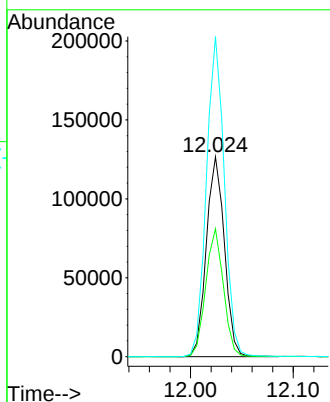
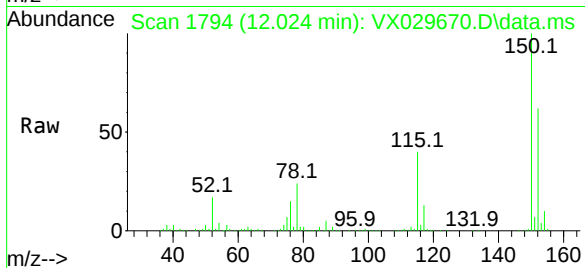




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX029670.D  
 Acq: 21 Jun 2022 18:29

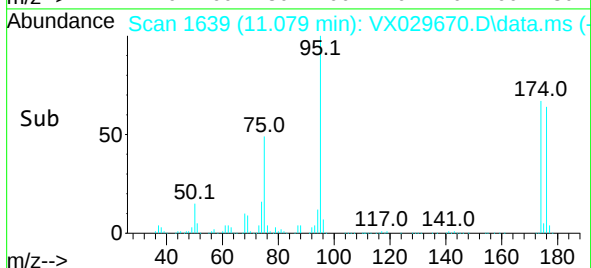
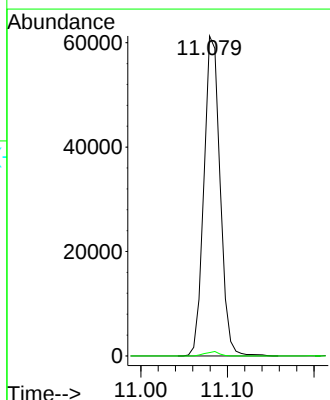
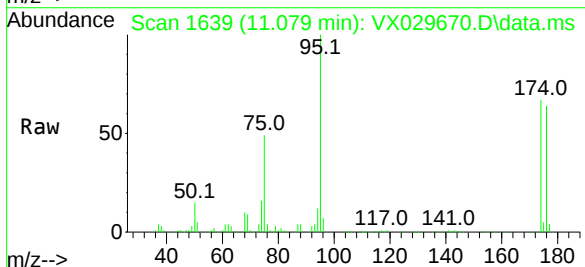
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TT-MW149S1-210-212

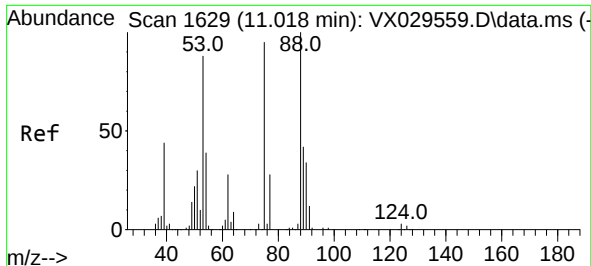
Tgt Ion:152 Resp: 155165  
 Ion Ratio Lower Upper  
 152 100  
 115 62.7 37.5 112.7  
 150 158.0 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 23.517 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX029670.D  
 Acq: 21 Jun 2022 18:29

Tgt Ion: 75 Resp: 79494  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.4 58.2#

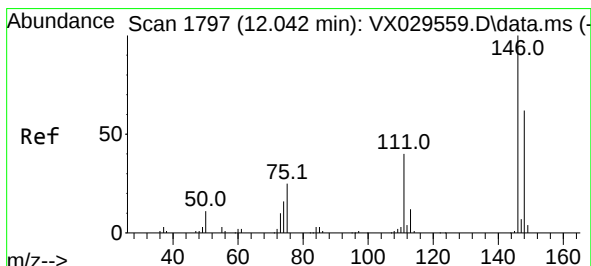
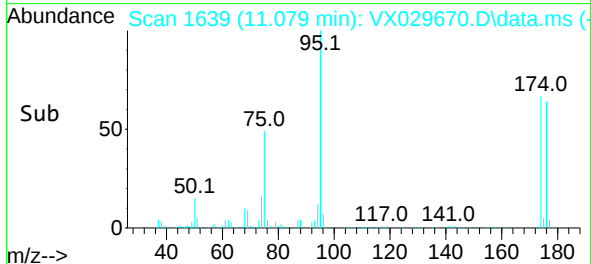
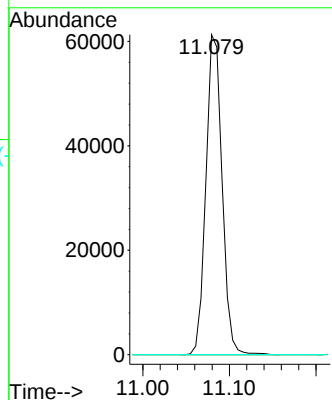
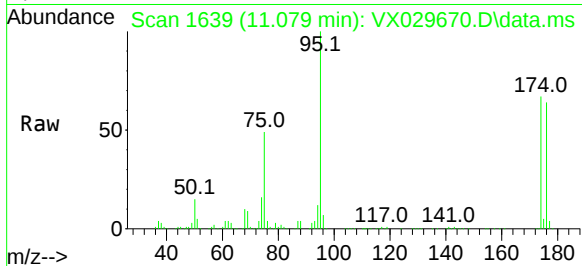




#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.235 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

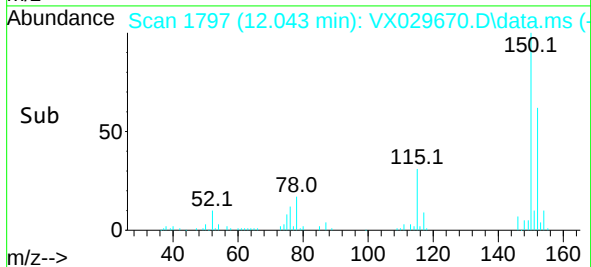
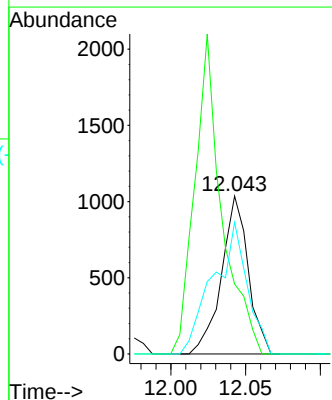
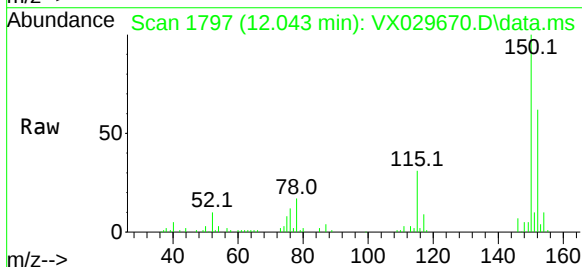
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-MW149S1-210-212

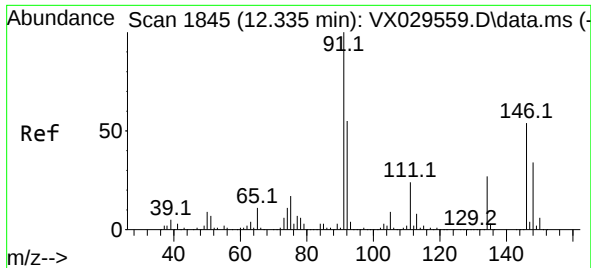
Tgt Ion: 75 Resp: 79494  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#



#88  
1,4-Dichlorobenzene  
Concen: 0.255 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.001 min  
Lab File: VX029670.D  
Acq: 21 Jun 2022 18:29

Tgt Ion:146 Resp: 1287  
Ion Ratio Lower Upper  
146 100  
111 204.9 19.2 57.6#  
148 106.3 32.3 96.9#





#91  
 1,2-Dichlorobenzene  
 Concen: 0.218 ug/l  
 RT: 12.341 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX029670.D  
 Acq: 21 Jun 2022 18:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TT-MW149S1-210-212

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 1082        |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 46.5  | 21.0 63.0   |
| 148         | 65.4  | 32.6 97.7   |

