

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092822\  
 Data File : VX031752.D  
 Acq On : 29 Sep 2022 02:10  
 Operator : JC/MD  
 Sample : M4863-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-4

Quant Time: Sep 29 04:37:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 27 01:44:18 2022  
 Response via : Initial Calibration

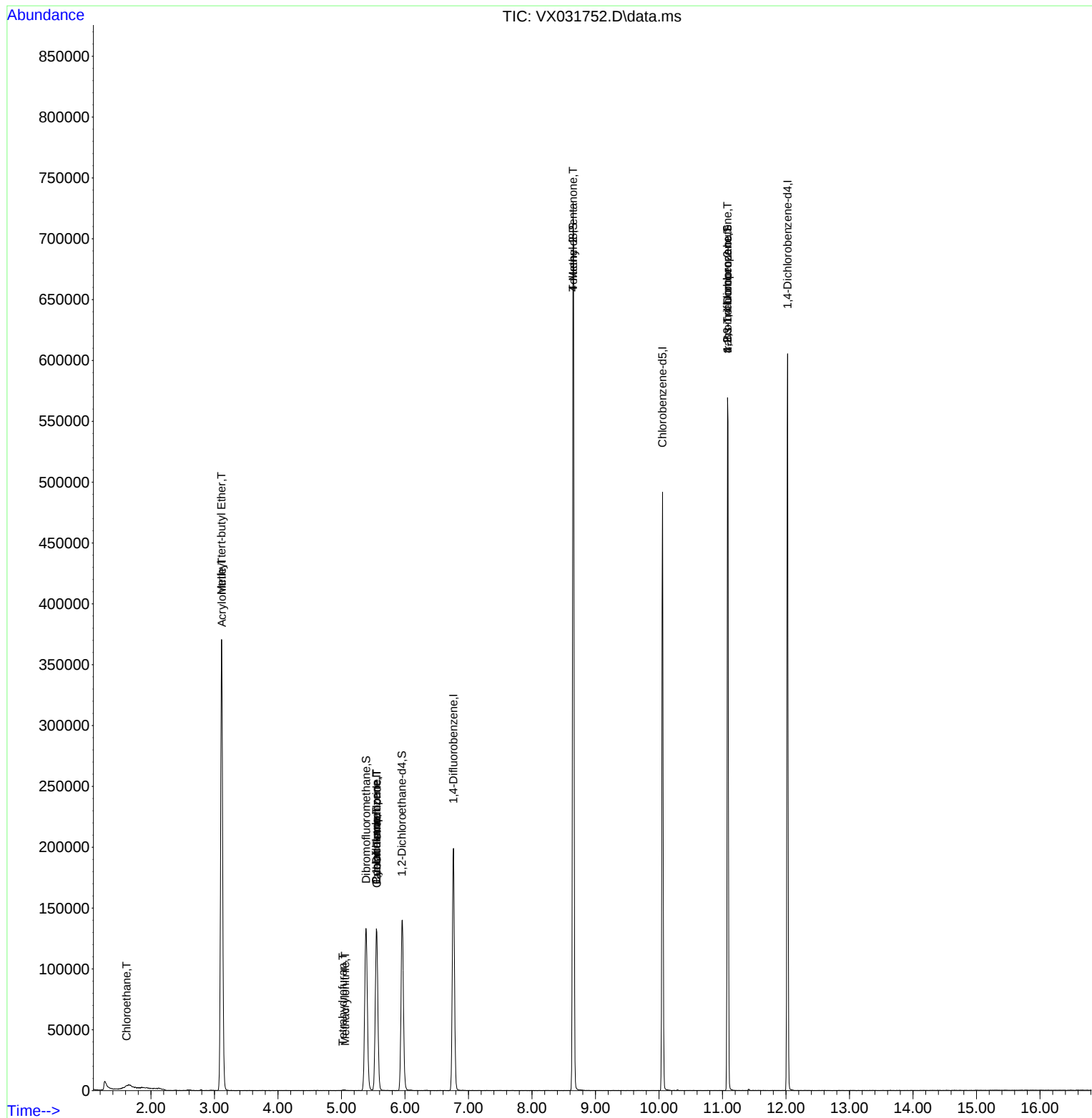
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 125287   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 205168   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 217365   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 122191   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 135357   | 50.903    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 101.800% |
| 35) Dibromofluoromethane      | 5.385  | 113   | 113596   | 46.468    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 92.940%  |
| 50) Toluene-d8                | 8.647  | 98    | 434169   | 48.988    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 97.980%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 146062   | 44.965    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 89.920%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 201      | Below Cal | #      | 41       |
| 5) Bromomethane               | 1.612  | 94    | 226      | Below Cal | #      | 80       |
| 6) Chloroethane               | 1.618  | 64    | 5153     | 0.923     | ug/l # | 61       |
| 7) Trichlorofluoromethane     | 1.886  | 101   | 21       | Below Cal | #      | 18       |
| 11) Tert butyl alcohol        | 2.995  | 59    | 471      | Below Cal | #      | 73       |
| 15) Acrylonitrile             | 3.117  | 53    | 4809     | 5.211     | ug/l # | 30       |
| 16) Acetone                   | 2.386  | 43    | 448      | Below Cal | #      | 45       |
| 17) Carbon Disulfide          | 2.508  | 76    | 91       | Below Cal | #      | 75       |
| 19) Methyl tert-butyl Ether   | 3.111  | 73    | 416526   | 70.427    | ug/l   | 98       |
| 20) Methylene Chloride        | 2.788  | 84    | 274      | Below Cal | #      | 80       |
| 29) Tetrahydrofuran           | 5.020  | 42    | 192      | 0.241     | ug/l   | 95       |
| 31) Cyclohexane               | 5.550  | 56    | 2663     | 1.053     | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 10070    | 3.587     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 12748    | 4.029     | ug/l # | 17       |
| 41) Methacrylonitrile         | 5.056  | 41    | 310      | 0.215     | ug/l # | 49       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1658     | 0.588     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 79403    | 35.845    | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 79403    | 117.553   | ug/l # | 11       |

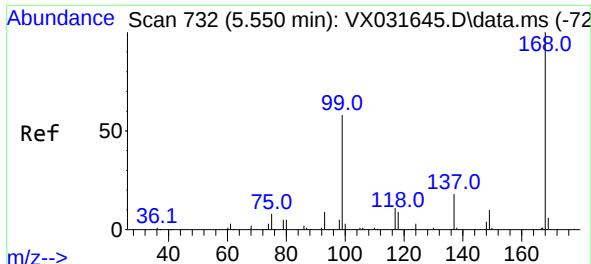
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092822\  
Data File : VX031752.D  
Acq On : 29 Sep 2022 02:10  
Operator : JC/MD  
Sample : M4863-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Quant Time: Sep 29 04:37:01 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092622W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 27 01:44:18 2022  
Response via : Initial Calibration

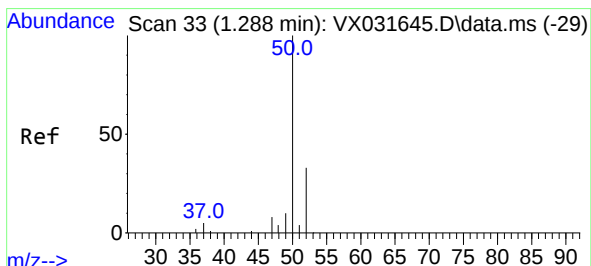
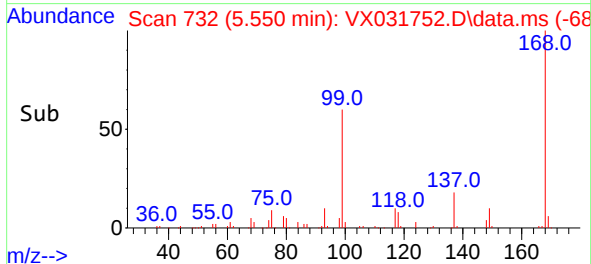
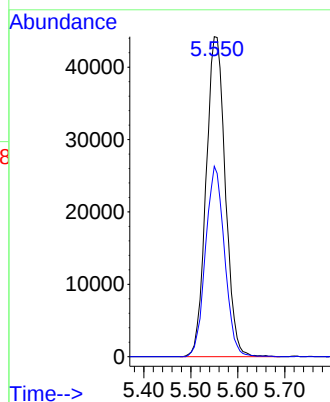
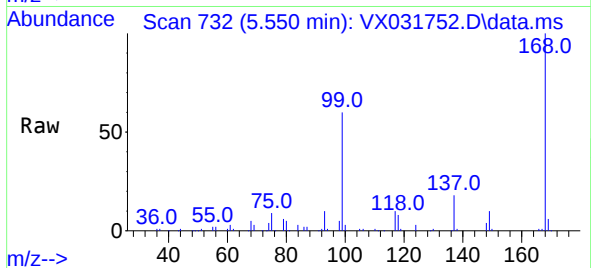




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

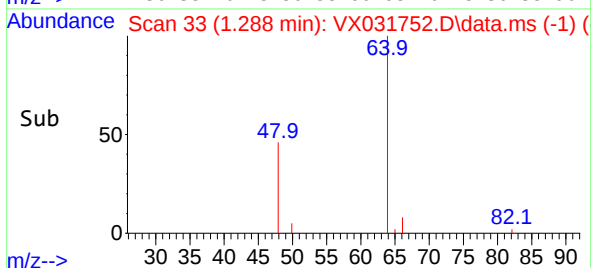
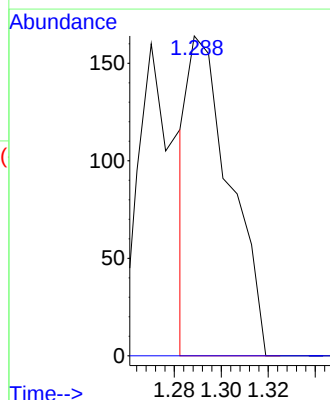
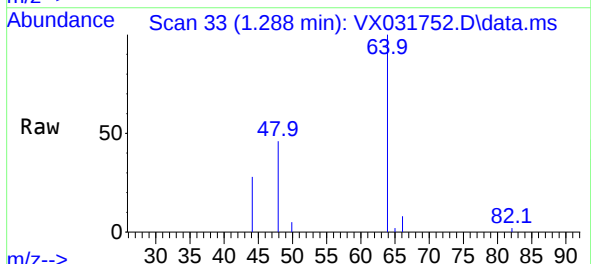
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Tgt Ion:168 Resp: 125287  
Ion Ratio Lower Upper  
168 100  
99 59.5 48.8 73.2

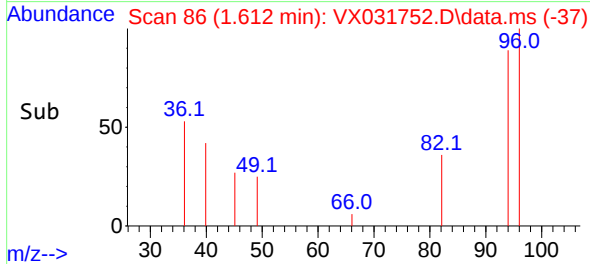
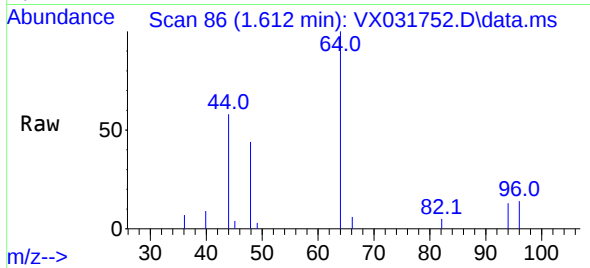
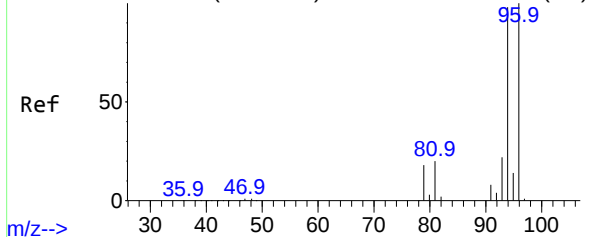


#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 50 Resp: 201  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031645.D\data.ms (-81)



#5

Bromomethane

Concen: Below Cal

RT: 1.612 min Scan# 80

Delta R.T. 0.001 min

Lab File: VX031752.D

Acq: 29 Sep 2022 02:10

Instrument :

MSVOA\_X

ClientSampleId :

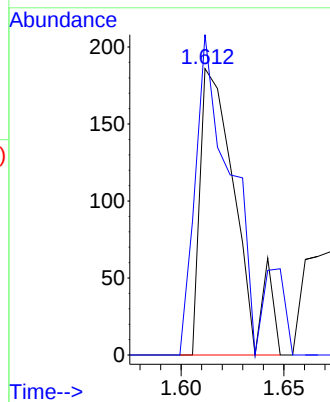
MW-4

Tgt Ion: 94 Resp: 226

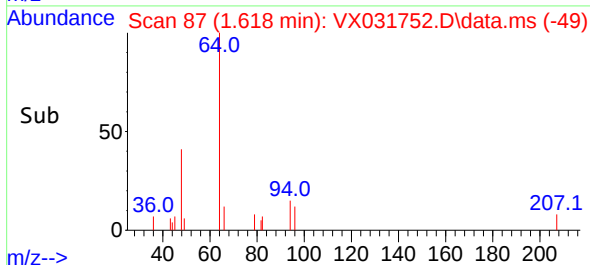
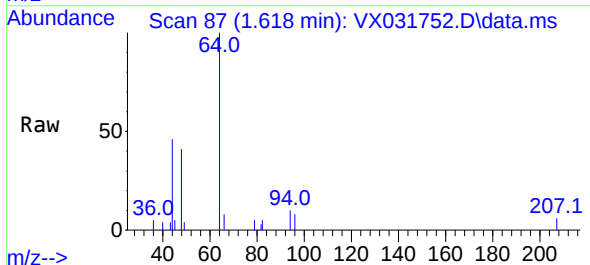
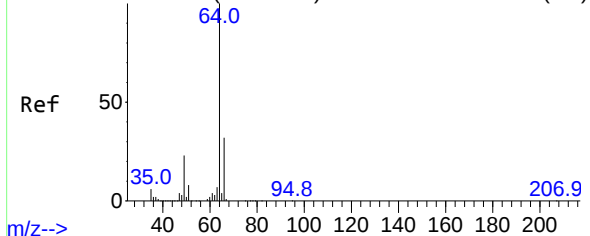
Ion Ratio Lower Upper

94 100

96 111.8 74.4 111.6#



Abundance Scan 98 (1.685 min): VX031645.D\data.ms (-93)



#6

Chloroethane

Concen: 0.923 ug/l

RT: 1.618 min Scan# 87

Delta R.T. -0.067 min

Lab File: VX031752.D

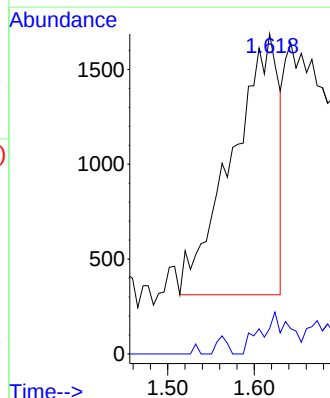
Acq: 29 Sep 2022 02:10

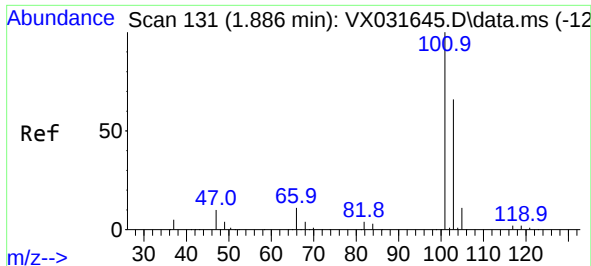
Tgt Ion: 64 Resp: 5153

Ion Ratio Lower Upper

64 100

66 9.7 25.0 37.4#

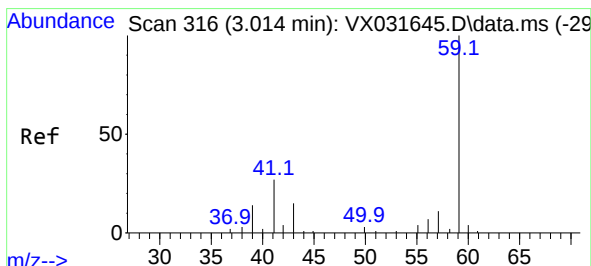
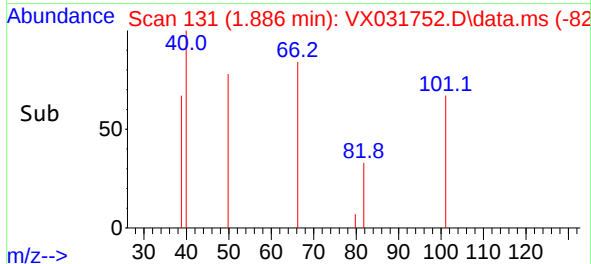
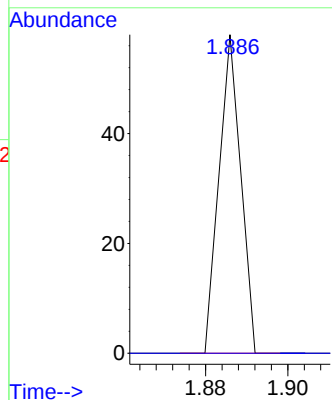
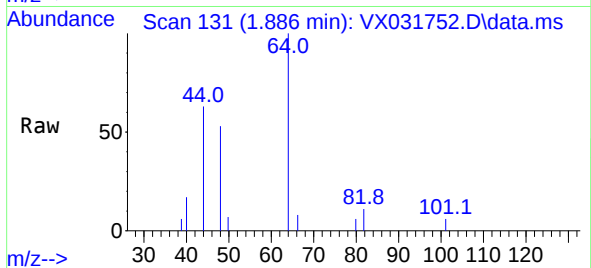




#7  
Trichlorofluoromethane  
Concen: Below Cal  
RT: 1.886 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

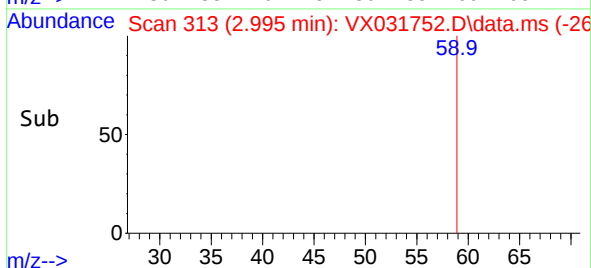
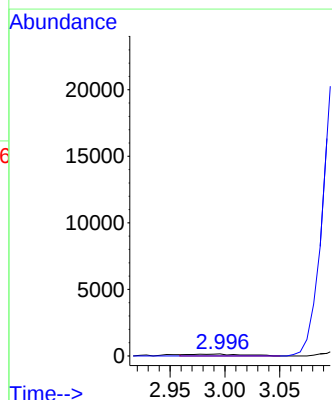
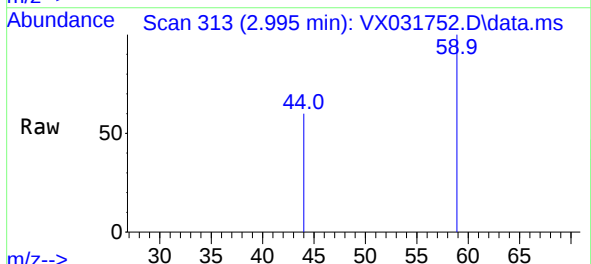
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

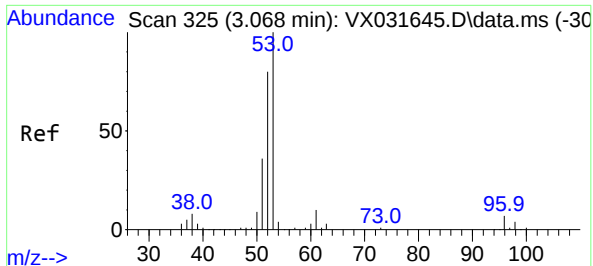
Tgt Ion:101 Resp: 21  
Ion Ratio Lower Upper  
101 100  
103 0.0 51.8 77.6#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.995 min Scan# 313  
Delta R.T. 0.006 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 59 Resp: 471  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

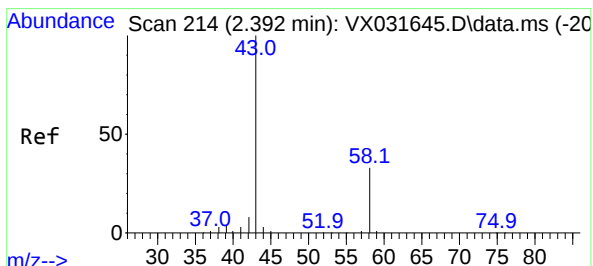
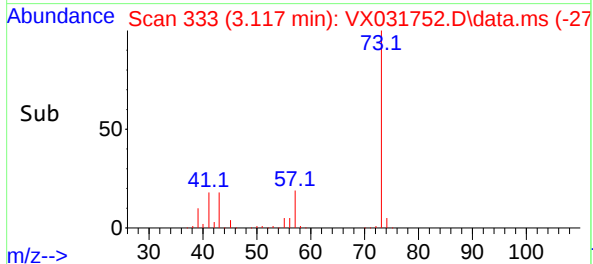
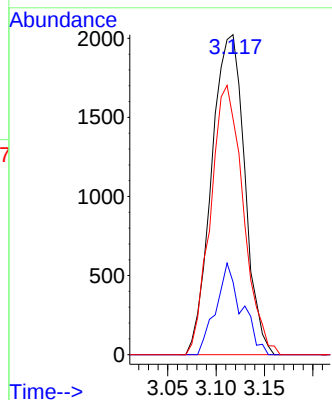
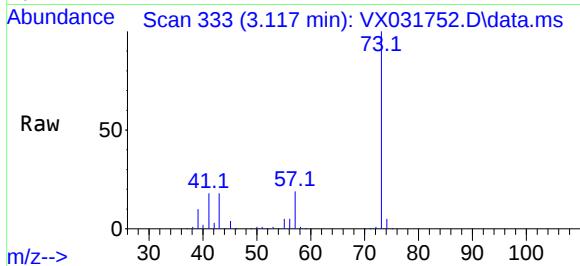




#15  
Acrylonitrile  
Concen: 5.211 ug/l  
RT: 3.117 min Scan# 31  
Delta R.T. 0.048 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

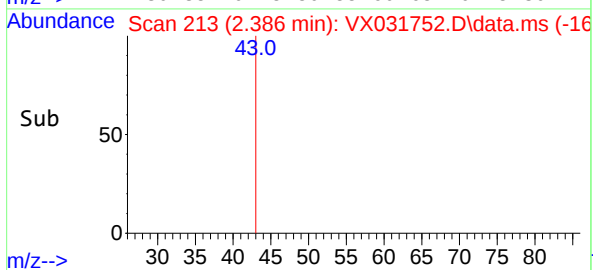
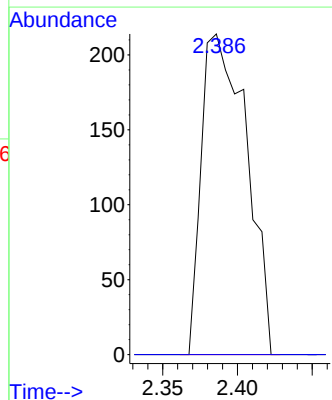
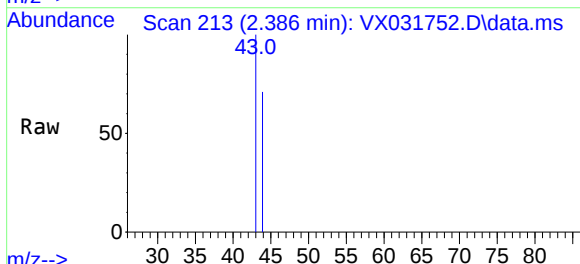
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

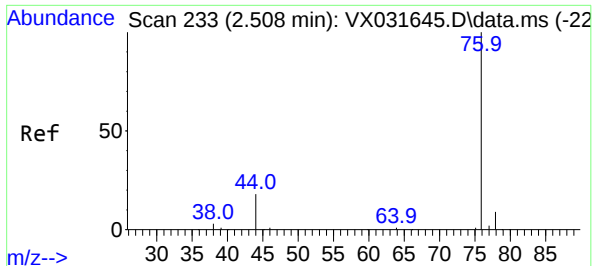
Tgt Ion: 53 Resp: 4809  
Ion Ratio Lower Upper  
53 100  
52 22.5 66.9 100.3#  
51 83.2 30.0 45.0#



#16  
Acetone  
Concen: Below Cal  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 43 Resp: 448  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.8#

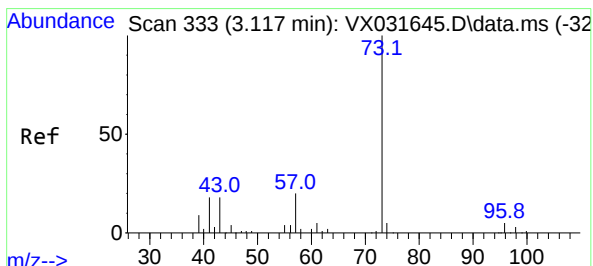
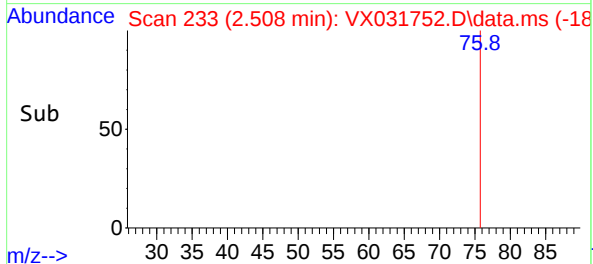
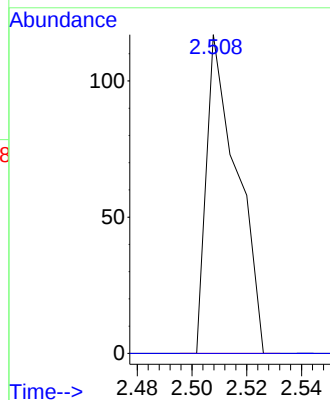
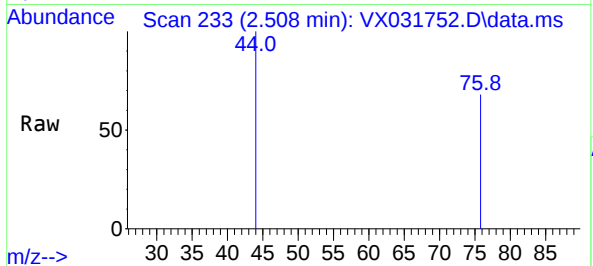




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 2.508 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

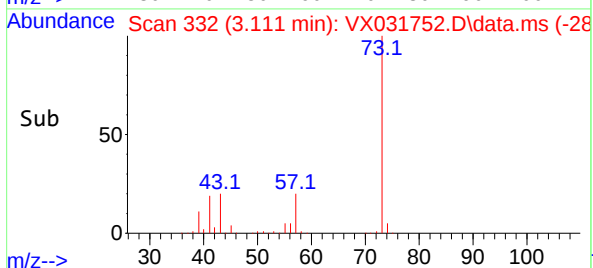
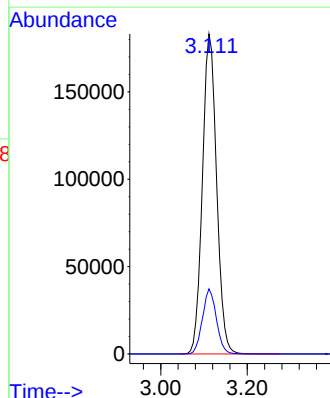
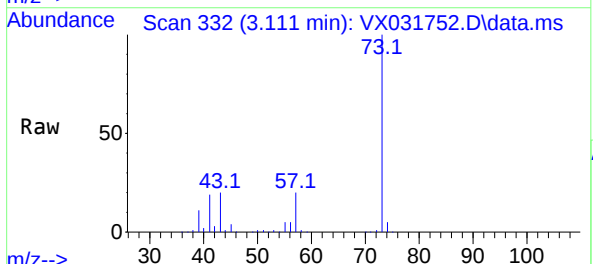
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

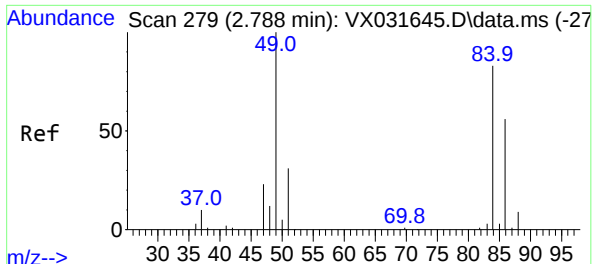
Tgt Ion: 76 Resp: 91  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#19  
Methyl tert-butyl Ether  
Concen: 70.427 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.006 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 73 Resp: 416526  
Ion Ratio Lower Upper  
73 100  
57 20.4 17.2 25.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031752.D

Acq: 29 Sep 2022 02:10

Instrument :

MSVOA\_X

ClientSampleId :

MW-4

Tgt Ion: 84 Resp: 274

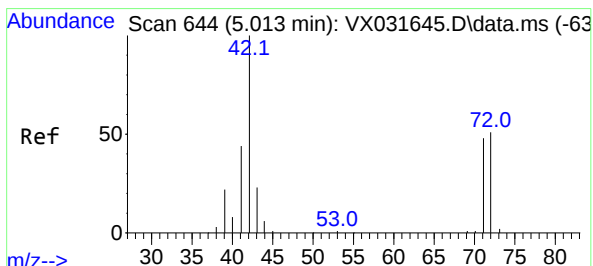
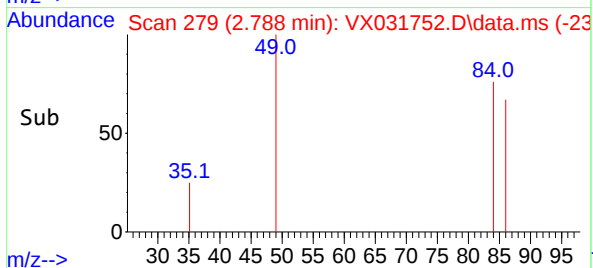
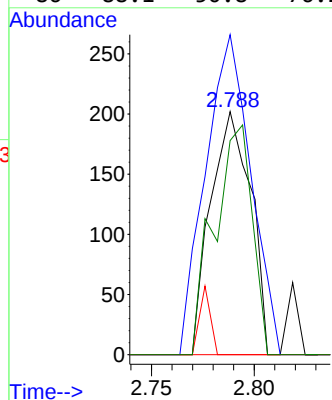
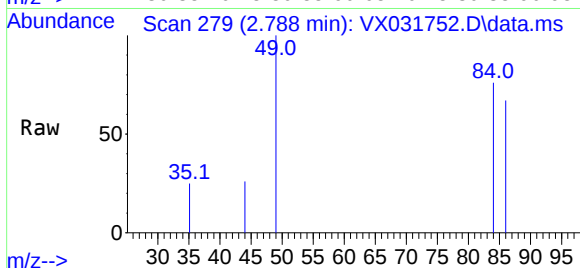
Ion Ratio Lower Upper

84 100

49 131.7 105.9 158.9

51 0.0 32.2 48.2#

86 88.1 50.8 76.2#



#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 5.020 min Scan# 645

Delta R.T. 0.007 min

Lab File: VX031752.D

Acq: 29 Sep 2022 02:10

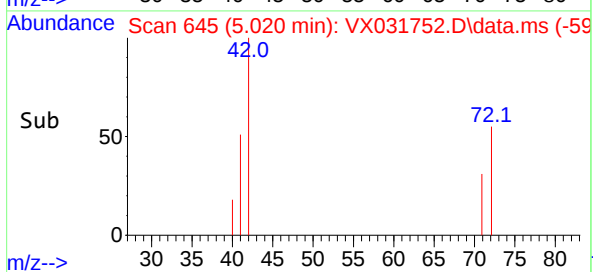
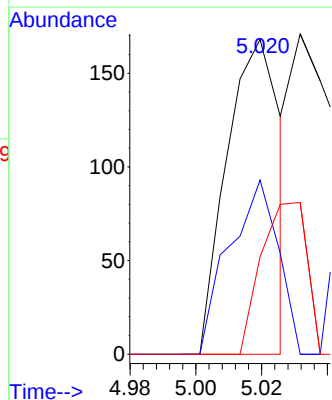
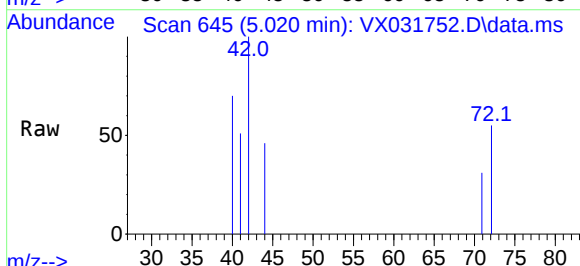
Tgt Ion: 42 Resp: 192

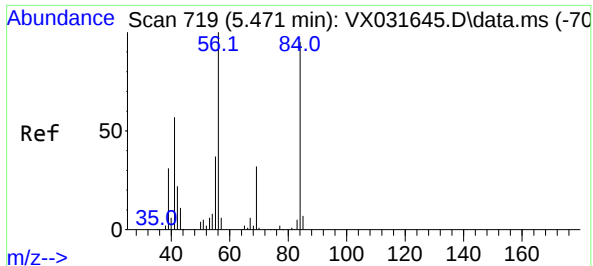
Ion Ratio Lower Upper

42 100

72 50.0 36.4 54.6

71 40.6 33.5 50.3

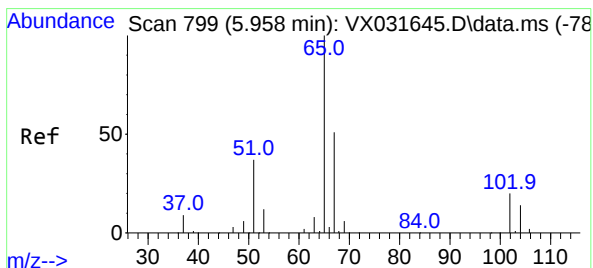
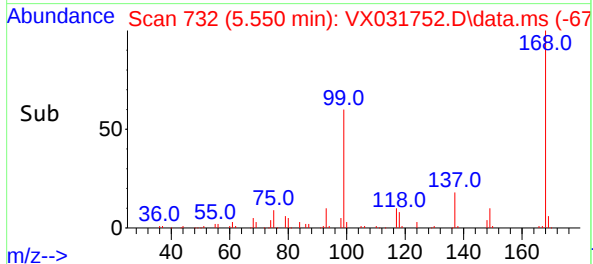
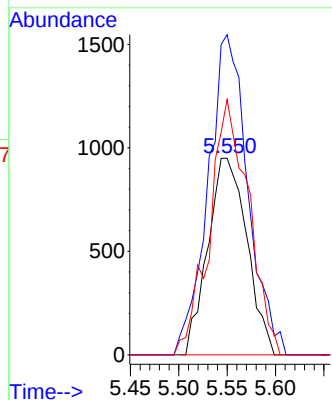
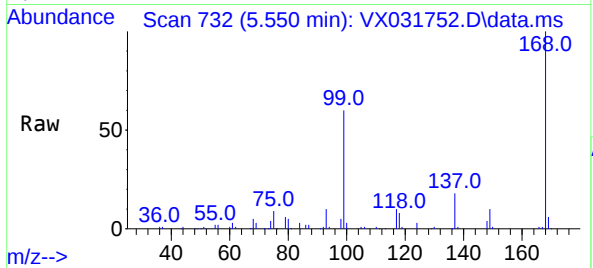




#31  
Cyclohexane  
Concen: 1.053 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

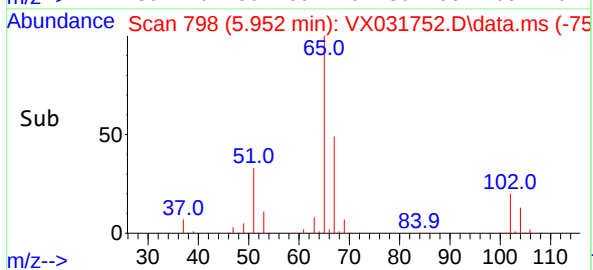
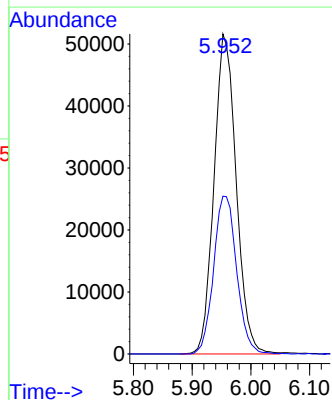
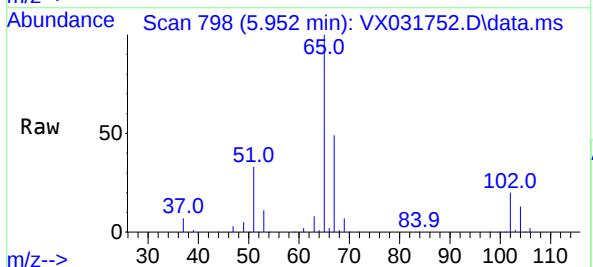
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

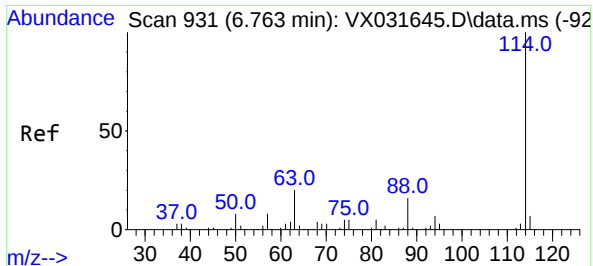
Tgt Ion: 56 Resp: 2663  
Ion Ratio Lower Upper  
56 100  
69 153.2 25.1 37.7#  
84 129.9 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 50.903 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 65 Resp: 135357  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 102.4

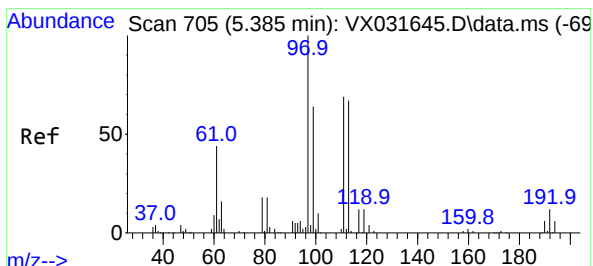
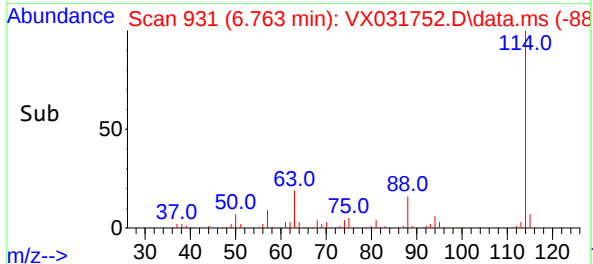
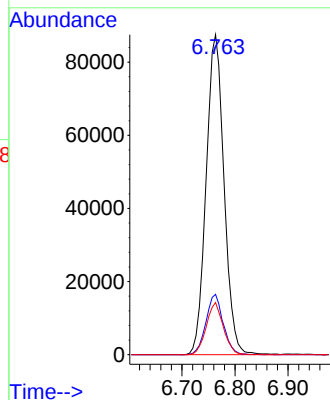
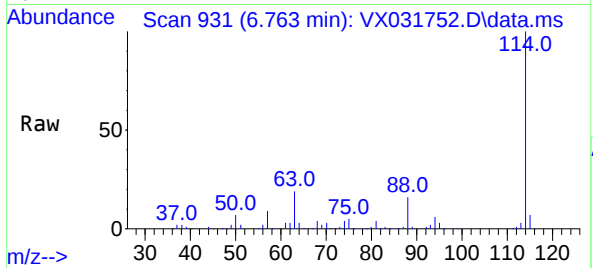




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

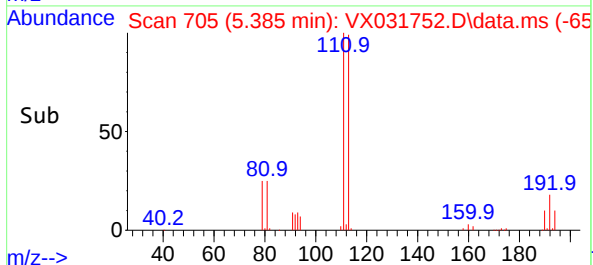
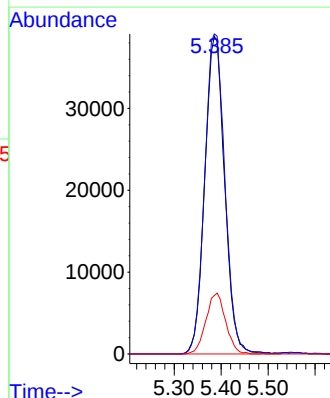
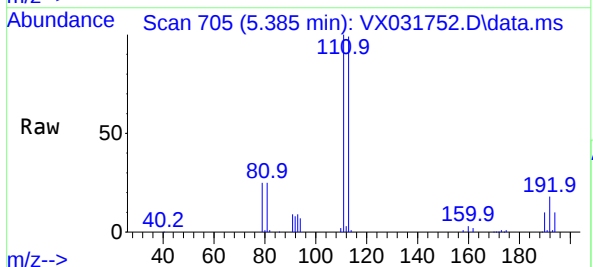
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

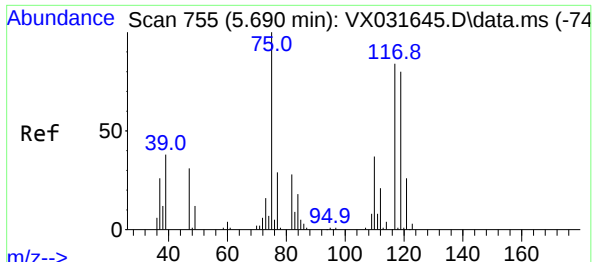
Tgt Ion:114 Resp: 205168  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 42.6  
88 16.3 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 46.468 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion:113 Resp: 113596  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.4 123.6  
192 19.0 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.587 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031752.D

Acq: 29 Sep 2022 02:10

Instrument :

MSVOA\_X

ClientSampleId :

MW-4

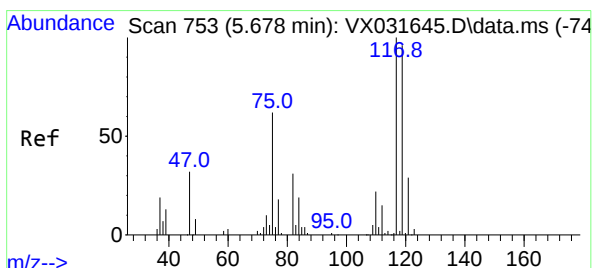
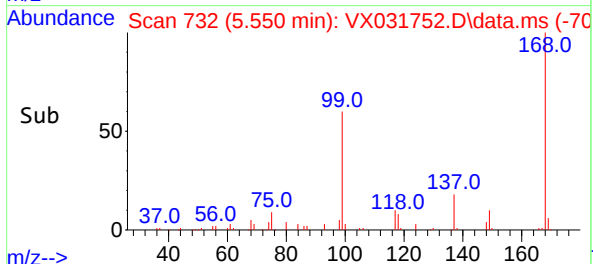
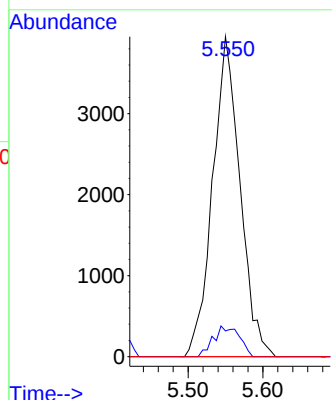
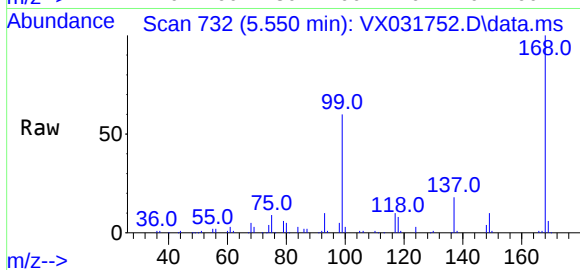
Tgt Ion: 75 Resp: 10070

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.029 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX031752.D

Acq: 29 Sep 2022 02:10

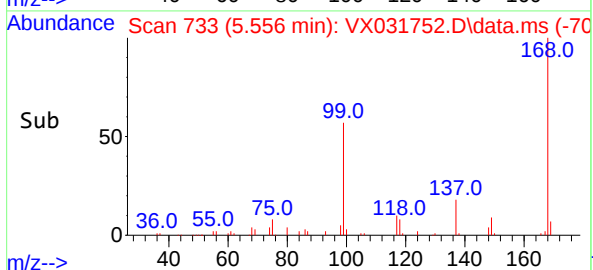
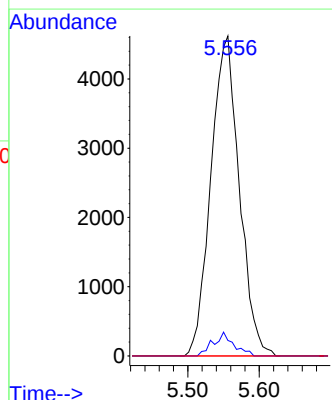
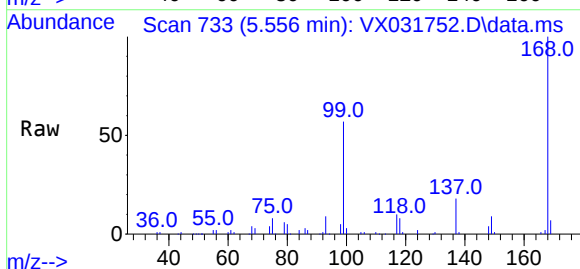
Tgt Ion: 117 Resp: 12748

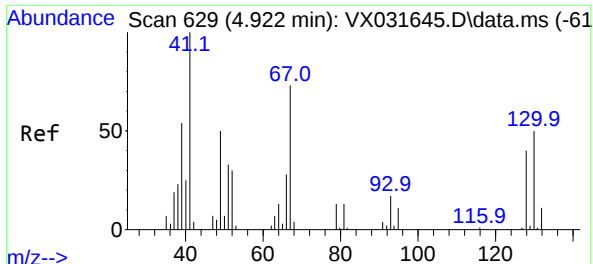
Ion Ratio Lower Upper

117 100

119 4.9 74.6 112.0#

121 0.0 25.3 37.9#



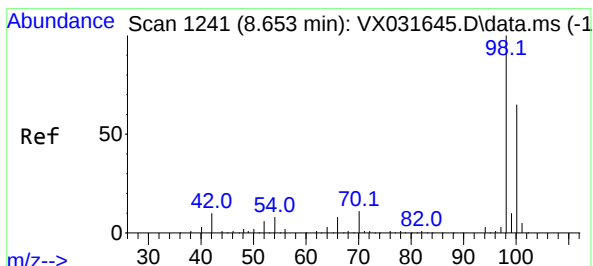
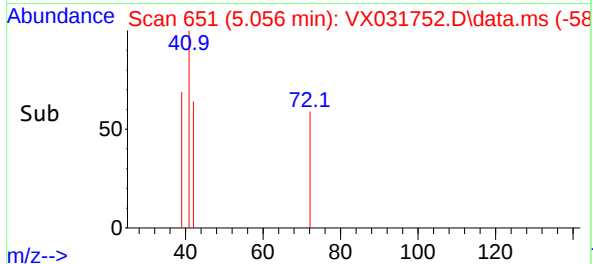
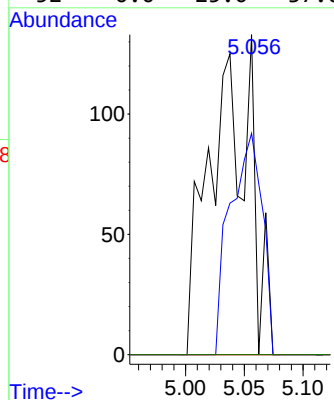
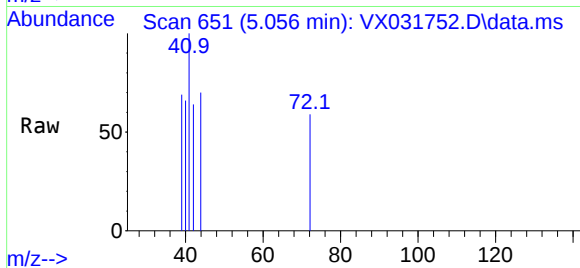


#41  
Methacrylonitrile  
Concen: 0.215 ug/l  
RT: 5.056 min Scan# 61  
Delta R.T. 0.128 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Tgt Ion: 41 Resp: 310

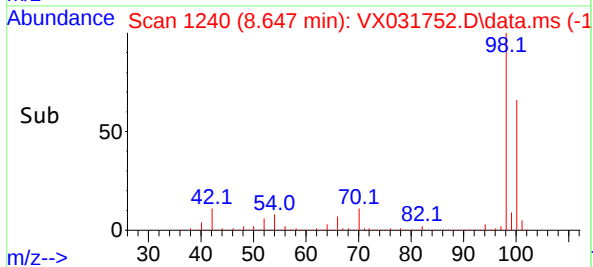
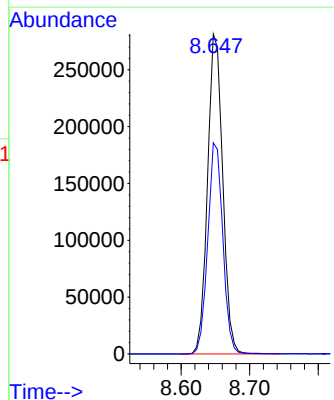
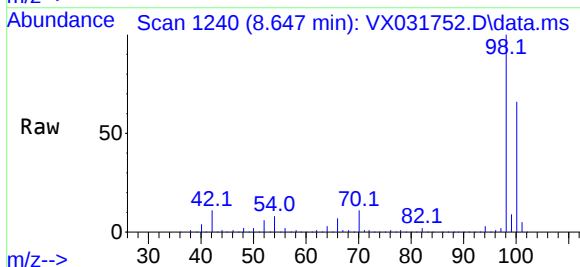
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 56.5  | 45.0  | 67.6  |
| 67  | 0.0   | 58.2  | 87.4# |
| 52  | 0.0   | 25.0  | 37.6# |

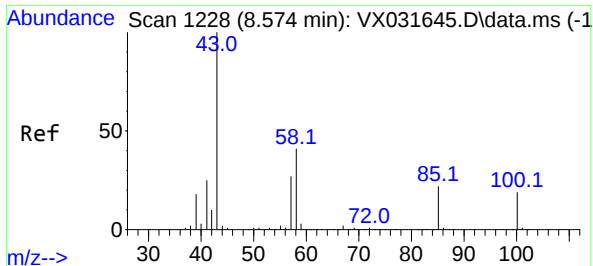


#50  
Toluene-d8  
Concen: 48.988 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 98 Resp: 434169

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 65.5  | 52.5  | 78.7  |

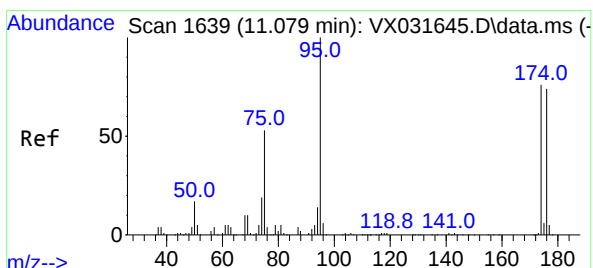
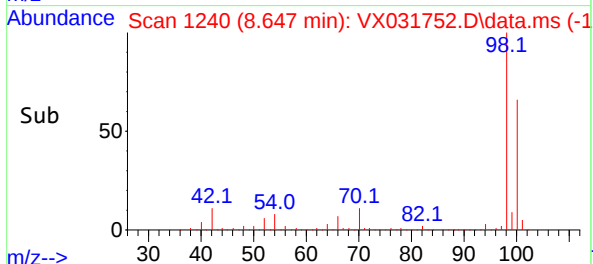
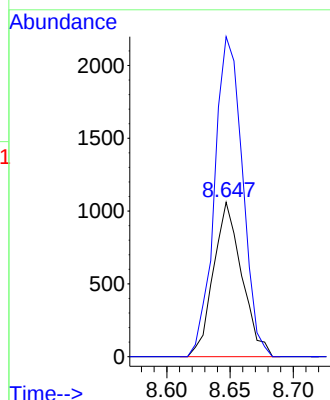
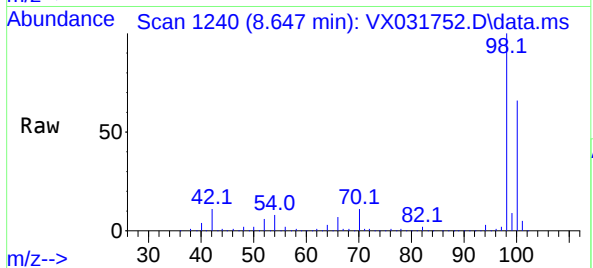




#51  
4-Methyl-2-Pentanone  
Concen: 0.588 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

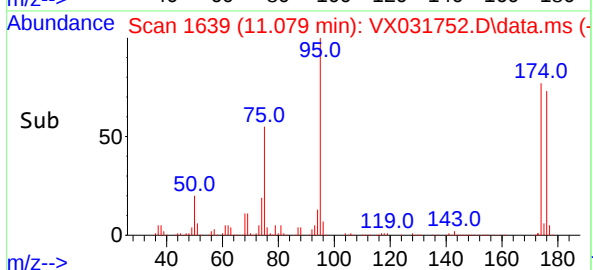
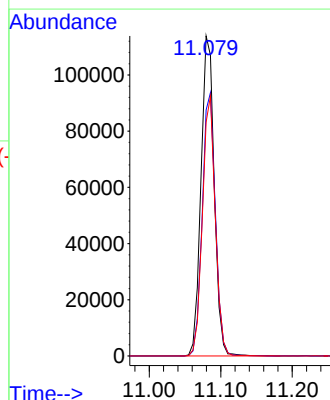
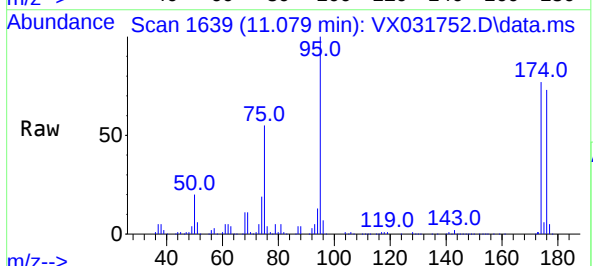
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

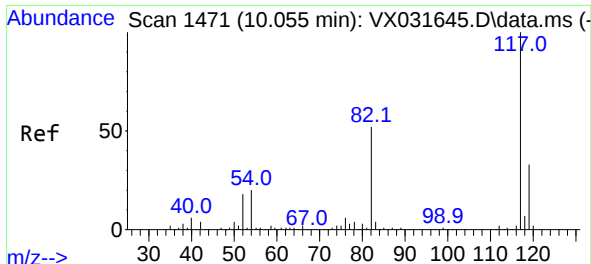
Tgt Ion: 43 Resp: 1658  
Ion Ratio Lower Upper  
43 100  
58 204.2 30.6 46.0#



#62  
4-Bromofluorobenzene  
Concen: 44.965 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 95 Resp: 146062  
Ion Ratio Lower Upper  
95 100  
174 81.6 0.0 153.2  
176 79.1 0.0 144.0

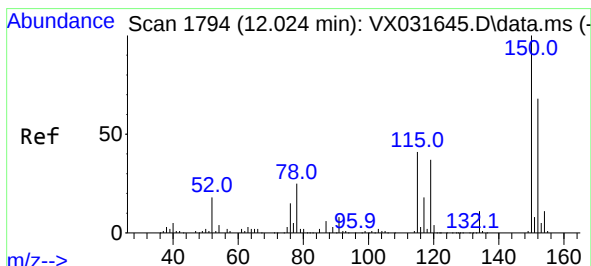
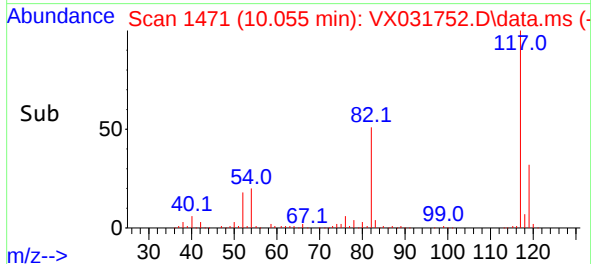
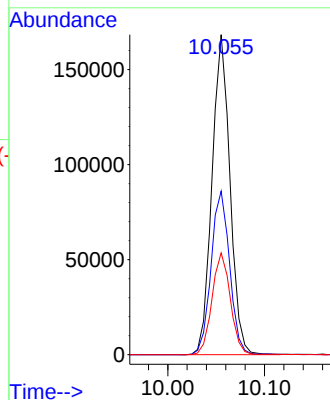
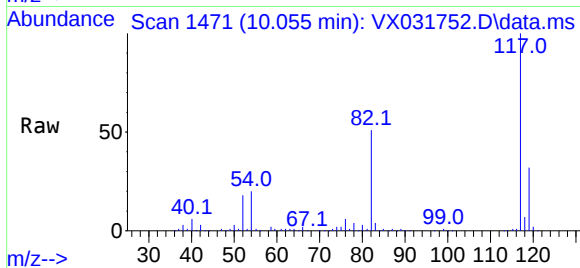




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

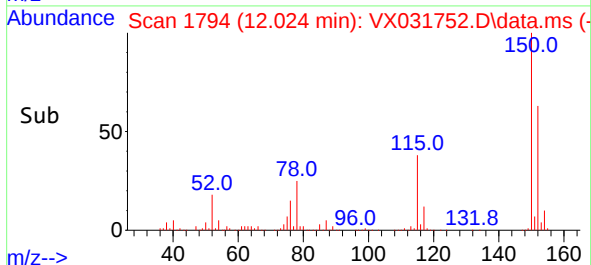
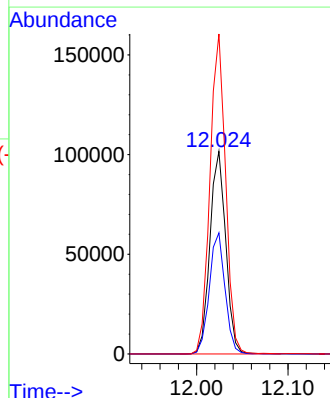
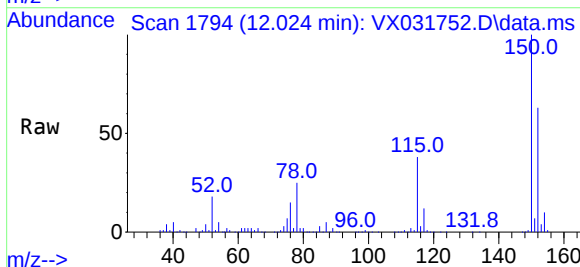
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

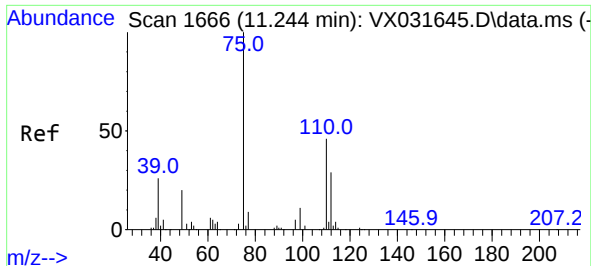
Tgt Ion:117 Resp: 217365  
Ion Ratio Lower Upper  
117 100  
82 51.1 46.8 70.2  
119 31.8 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion:152 Resp: 122191  
Ion Ratio Lower Upper  
152 100  
115 59.5 43.4 130.1  
150 156.0 0.0 346.8

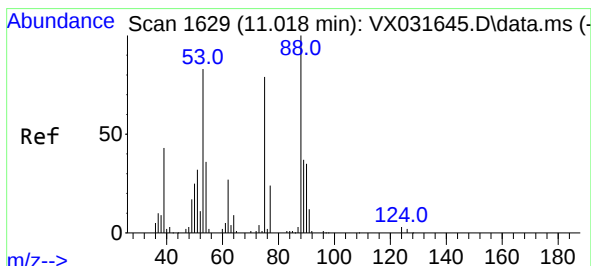
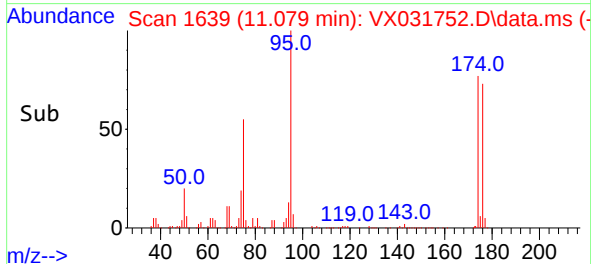
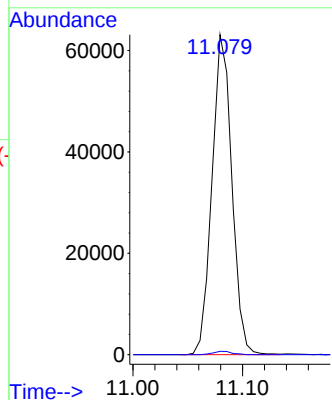
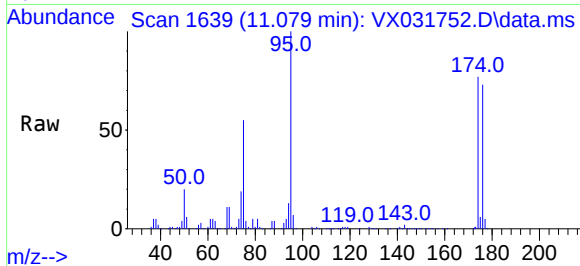




#76  
1,2,3-Trichloropropane  
Concen: 35.845 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Tgt Ion: 75 Resp: 79403  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.3 60.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 117.553 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX031752.D  
Acq: 29 Sep 2022 02:10

Tgt Ion: 75 Resp: 79403  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

