

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070221\  
 Data File : VX023126.D  
 Acq On : 02 Jul 2021 22:37  
 Operator : JC/MD  
 Sample : M2907-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-01-063021

Quant Time: Jul 05 02:59:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

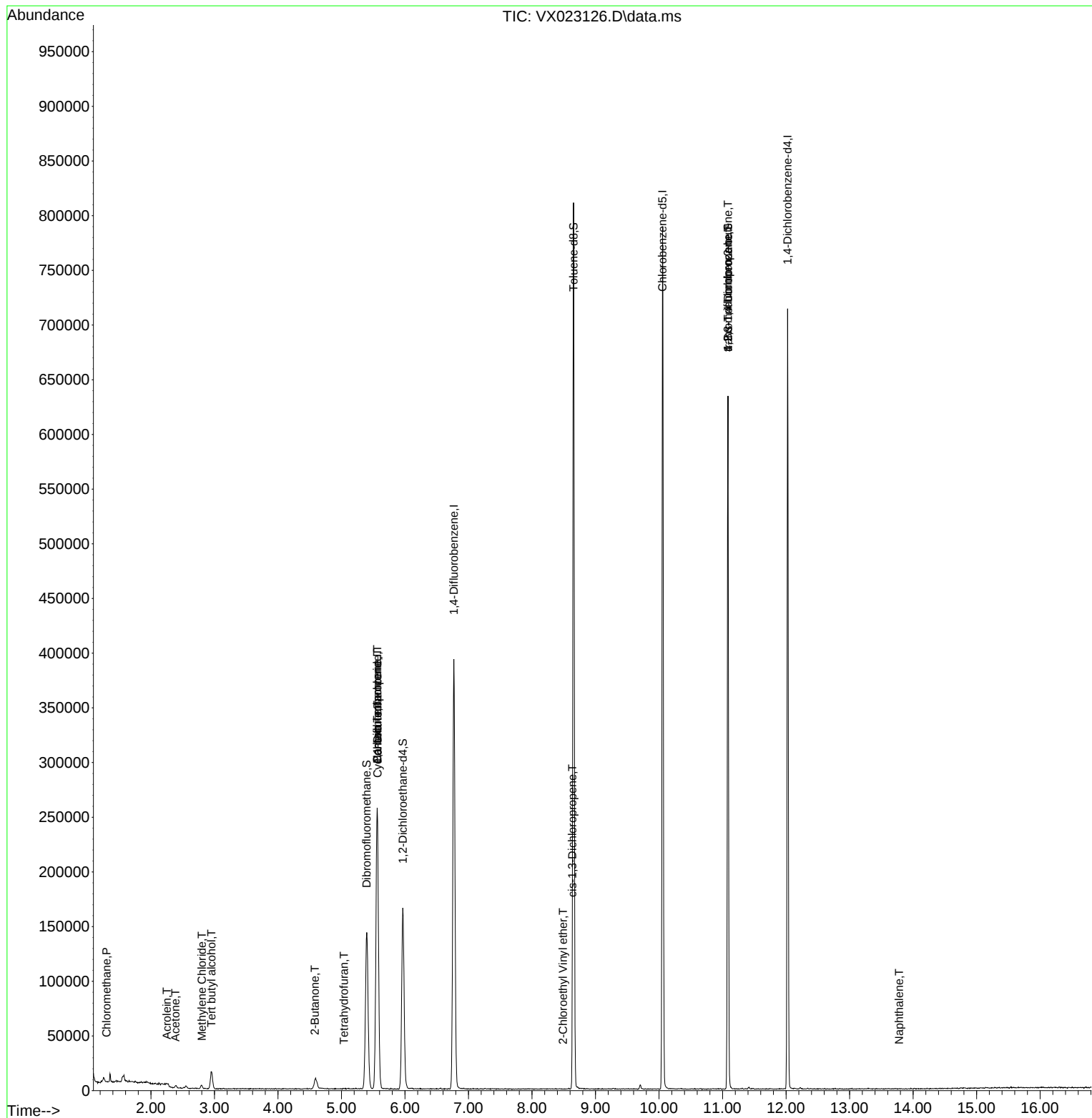
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.562     | 168            | 235457   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114            | 387614   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 344226   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152            | 141786   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65             | 165324   | 52.243     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | = 104.480% |        |          |
| 35) Dibromofluoromethane      | 5.397     | 113            | 122554   | 48.962     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | = 97.920%  |        |          |
| 50) Toluene-d8                | 8.653     | 98             | 457232   | 48.970     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | = 97.940%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95             | 161626   | 44.839     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | = 89.680%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            |        | Qvalue   |
| 3) Chloromethane              | 1.301     | 50             | 445      | 0.211      | ug/l   | 97       |
| 5) Bromomethane               | 1.581     | 94             | 266      | Below Cal  | #      | 79       |
| 11) Tert butyl alcohol        | 2.953     | 59             | 9294     | 13.960     | ug/l # | 79       |
| 13) Acrolein                  | 2.252     | 56             | 242      | 0.546      | ug/l # | 34       |
| 16) Acetone                   | 2.386     | 43             | 2611     | 2.085      | ug/l   | 92       |
| 20) Methylene Chloride        | 2.800     | 84             | 1483     | 0.550      | ug/l # | 85       |
| 25) 2-Butanone                | 4.580     | 43             | 515      | 0.273      | ug/l # | 45       |
| 29) Tetrahydrofuran           | 5.038     | 42             | 293      | 0.241      | ug/l # | 42       |
| 31) Cyclohexane               | 5.568     | 56             | 5565     | 1.469      | ug/l # | 6        |
| 36) 1,1-Dichloropropene       | 5.562     | 75             | 19024    | 5.505      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.562     | 117            | 24770    | 6.867      | ug/l # | 16       |
| 54) cis-1,3-Dichloropropene   | 8.635     | 75             | 18       | 2.177      | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether | 8.488     | 63             | 21       | 4.699      | ug/l # | 45       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75             | 87561    | 30.689     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75             | 87561    | 82.290     | ug/l # | 12       |
| 95) Naphthalene               | 13.780    | 128            | 254      | 1.299      | ug/l # | 69       |
| -----                         |           |                |          |            |        |          |

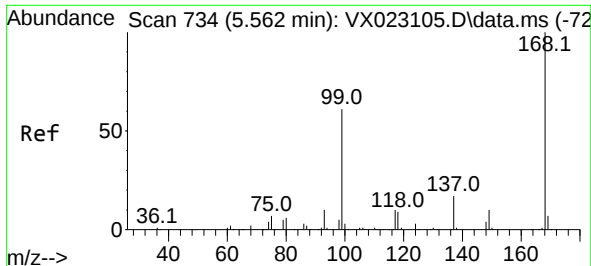
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070221\  
Data File : VX023126.D  
Acq On : 02 Jul 2021 22:37  
Operator : JC/MD  
Sample : M2907-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
TB-01-063021

Quant Time: Jul 05 02:59:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 02 14:29:42 2021  
Response via : Initial Calibration

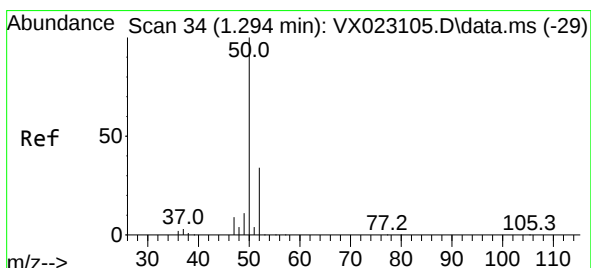
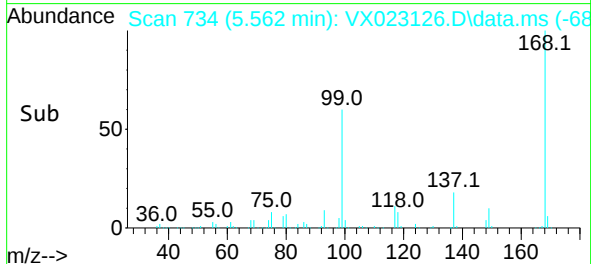
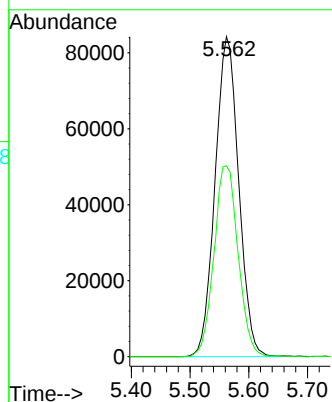
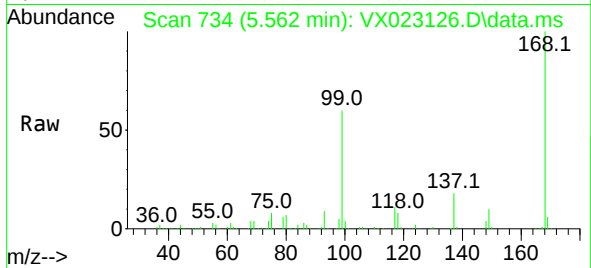




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

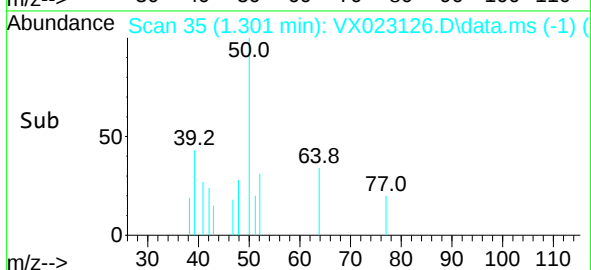
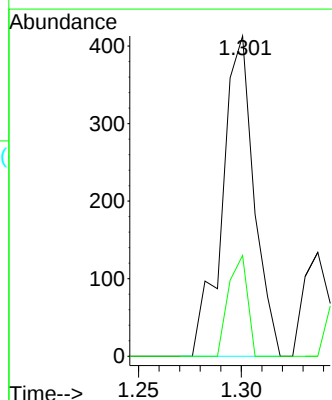
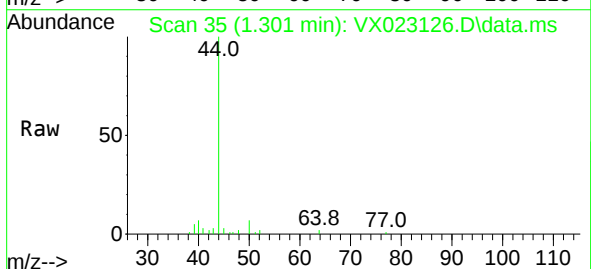
Instrument :  
MSVOA\_X  
ClientSampled :  
TB-01-063021

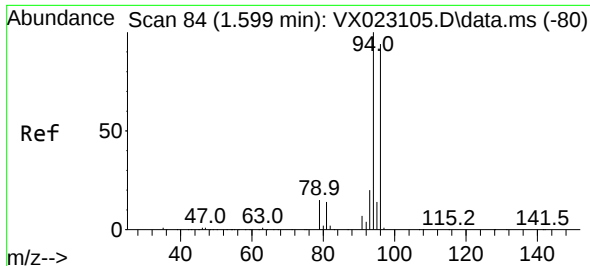
Tgt Ion:168 Resp: 235457  
Ion Ratio Lower Upper  
168 100  
99 59.7 45.8 68.6



#3  
Chloromethane  
Concen: 0.211 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.007 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Tgt Ion: 50 Resp: 445  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.4 39.6

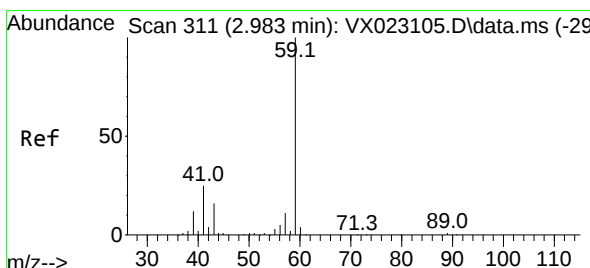
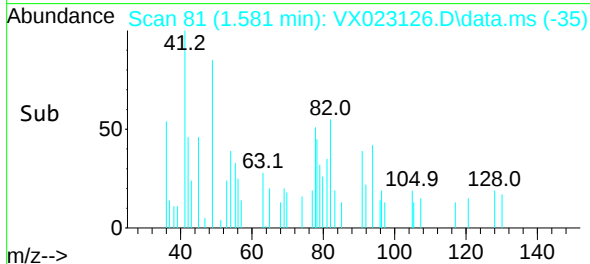
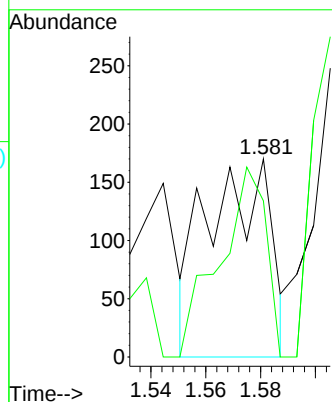
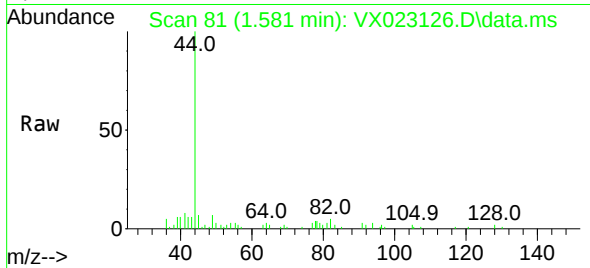




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.581 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

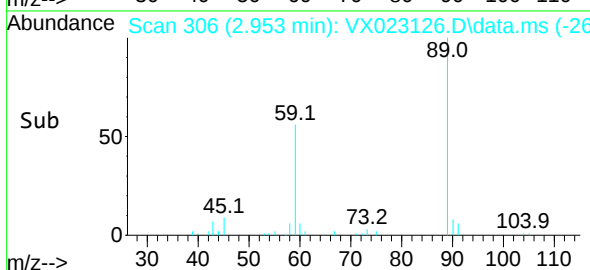
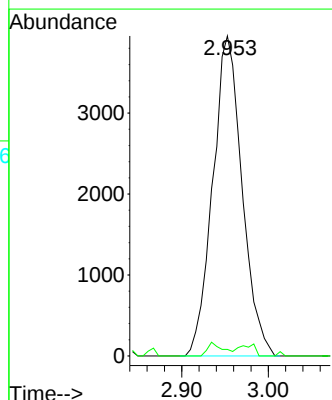
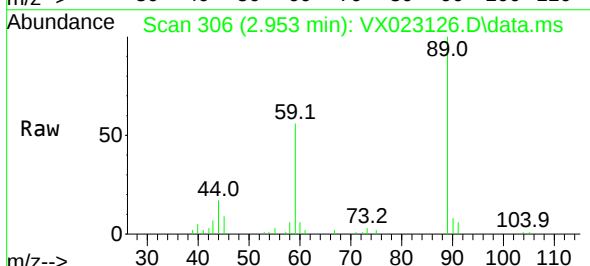
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-063021

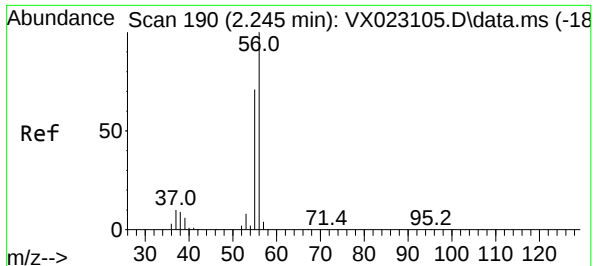
Tgt Ion: 94 Resp: 266  
Ion Ratio Lower Upper  
94 100  
96 115.5 76.4 114.6#



#11  
Tert butyl alcohol  
Concen: 13.960 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.030 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Tgt Ion: 59 Resp: 9294  
Ion Ratio Lower Upper  
59 100  
57 2.2 7.8 11.8#

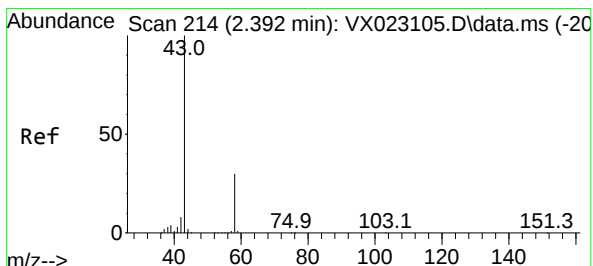
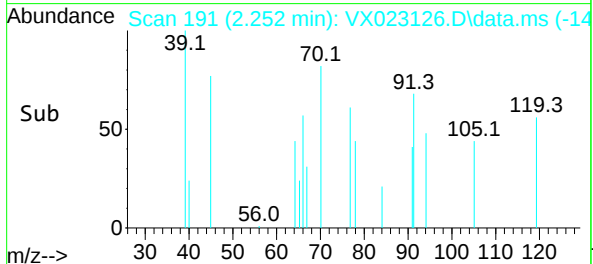
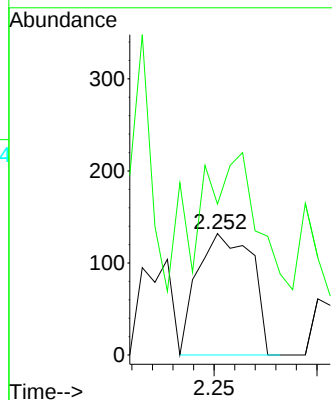
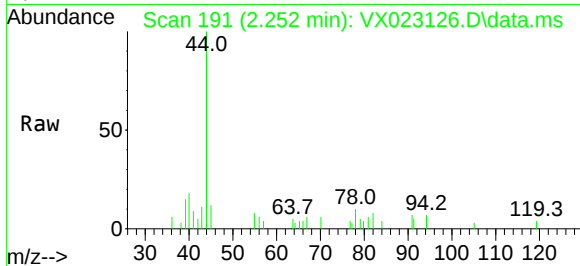




#13  
Acrolein  
Concen: 0.546 ug/l  
RT: 2.252 min Scan# 191  
Delta R.T. 0.007 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

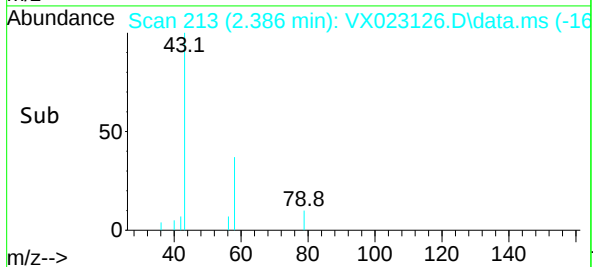
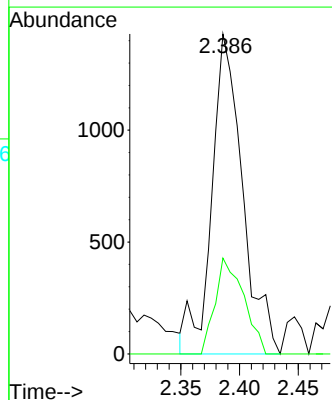
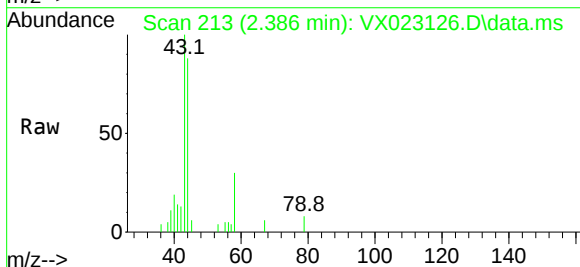
Instrument :  
MSVOA\_X  
ClientSampled :  
TB-01-063021

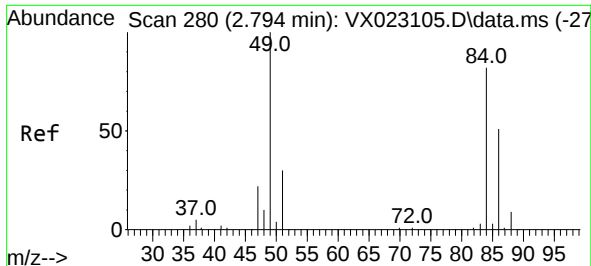
Tgt Ion: 56 Resp: 242  
Ion Ratio Lower Upper  
56 100  
55 124.8 56.4 84.6#



#16  
Acetone  
Concen: 2.085 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Tgt Ion: 43 Resp: 2611  
Ion Ratio Lower Upper  
43 100  
58 29.9 27.8 41.8





#20

Methylene Chloride

Concen: 0.550 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX023126.D

Acq: 02 Jul 2021 22:37

Instrument :

MSVOA\_X

ClientSampleId :

TB-01-063021

Tgt Ion: 84 Resp: 1483

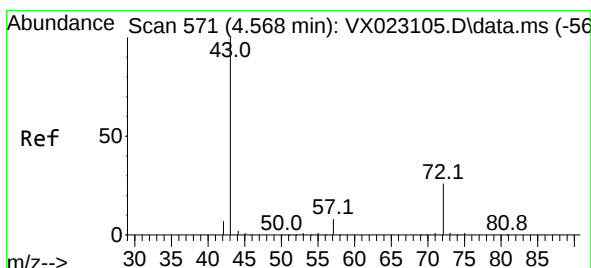
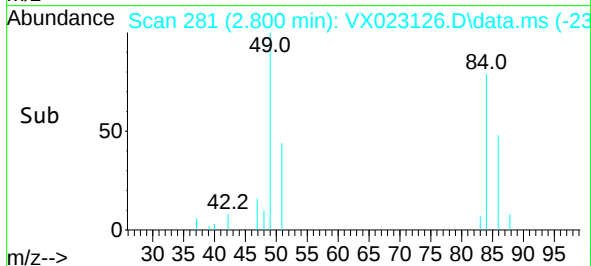
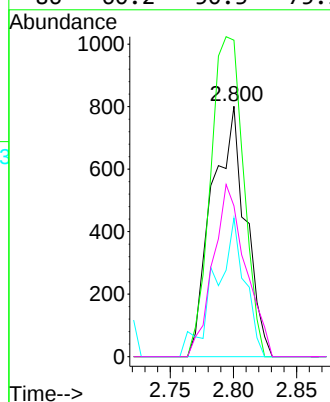
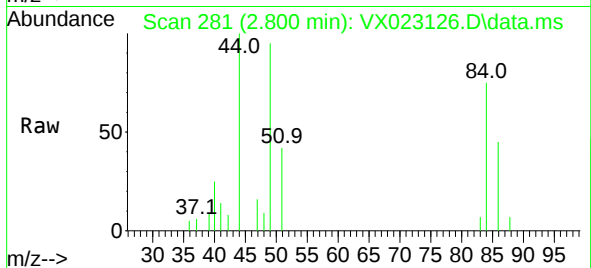
Ion Ratio Lower Upper

84 100

49 126.5 88.6 132.8

51 55.3 27.0 40.6#

86 60.2 50.3 75.5



#25

2-Butanone

Concen: 0.273 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023126.D

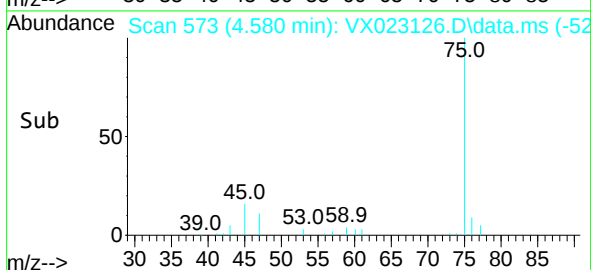
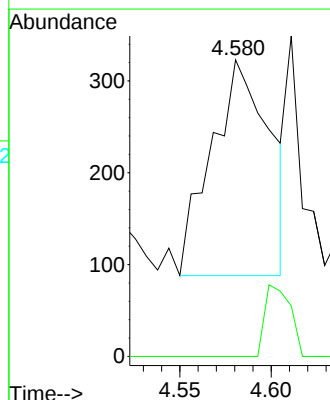
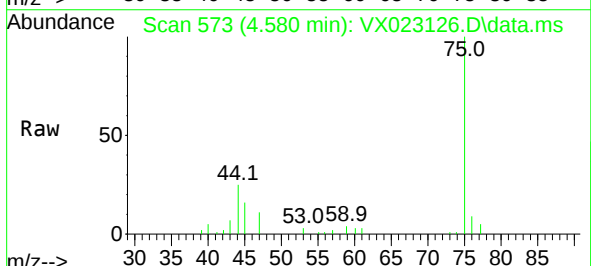
Acq: 02 Jul 2021 22:37

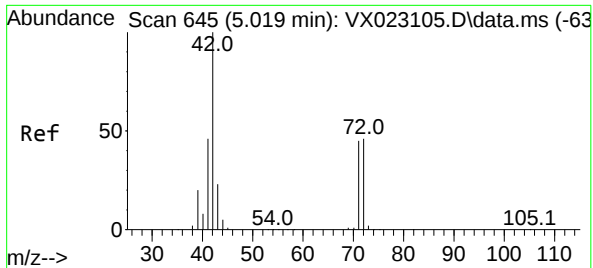
Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023126.D

Acq: 02 Jul 2021 22:37

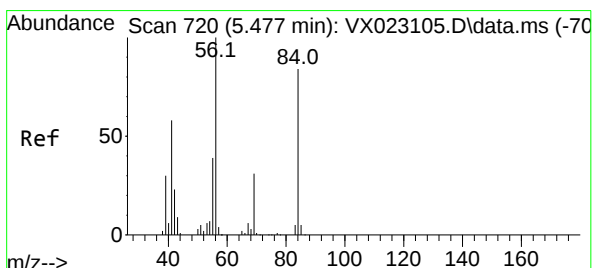
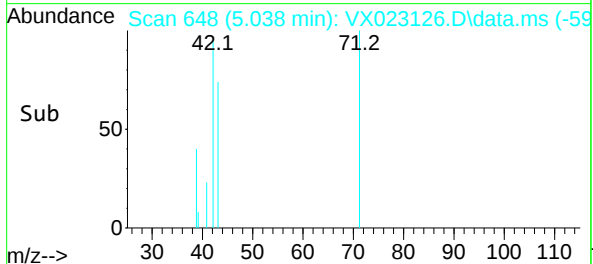
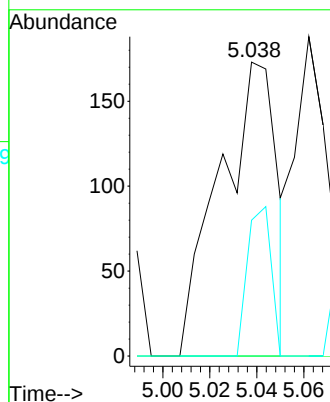
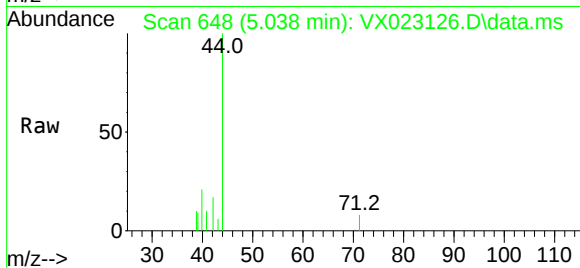
Instrument :

MSVOA\_X

ClientSampleId :

TB-01-063021

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 293   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 0.0   | 41.7  | 62.5# |
| 71       | 20.8  | 38.4  | 57.6# |



#31

Cyclohexane

Concen: 1.469 ug/l

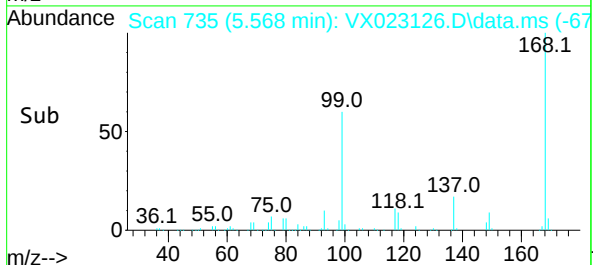
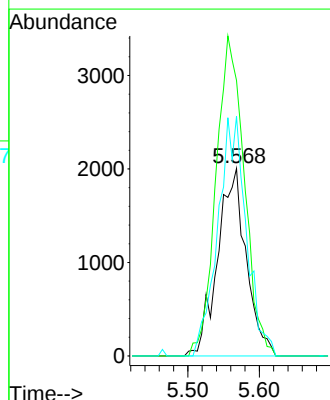
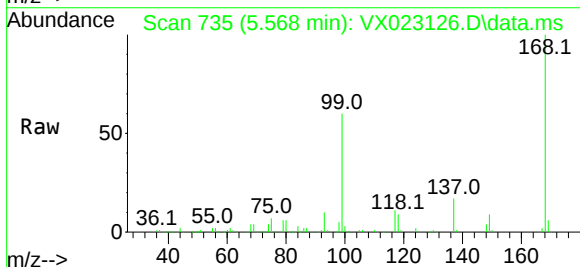
RT: 5.568 min Scan# 735

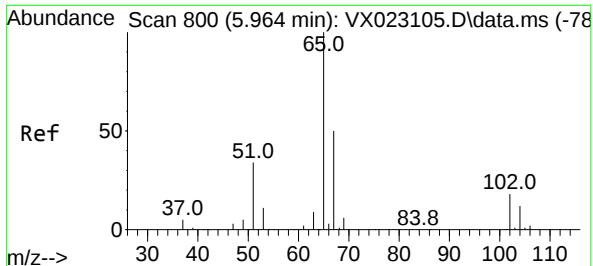
Delta R.T. 0.091 min

Lab File: VX023126.D

Acq: 02 Jul 2021 22:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5565   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 146.9 | 25.3  | 37.9#  |
| 84       | 139.4 | 71.4  | 107.0# |



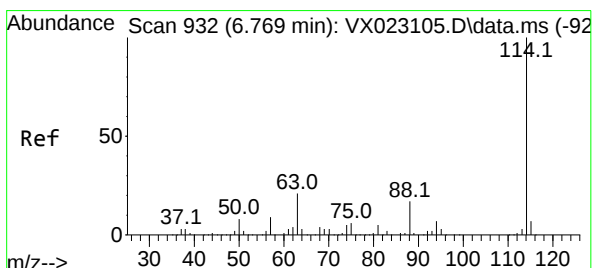
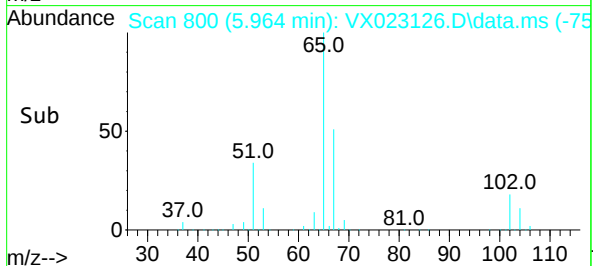
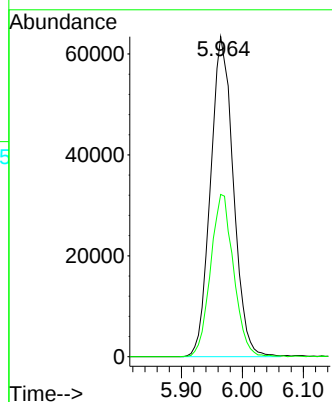
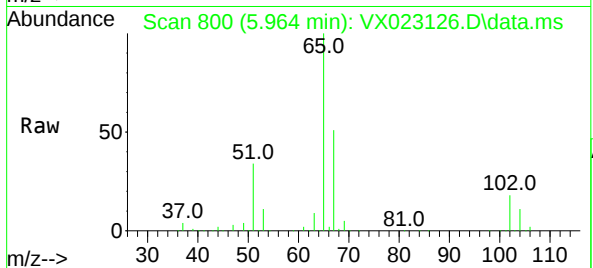


#33

1,2-Dichloroethane-d4  
Concen: 52.243 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-063021

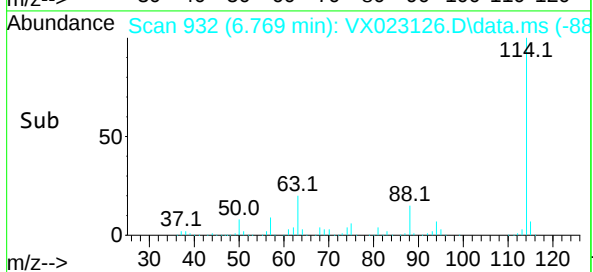
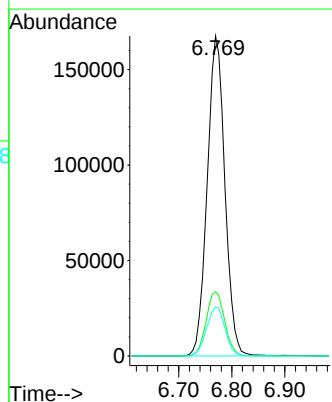
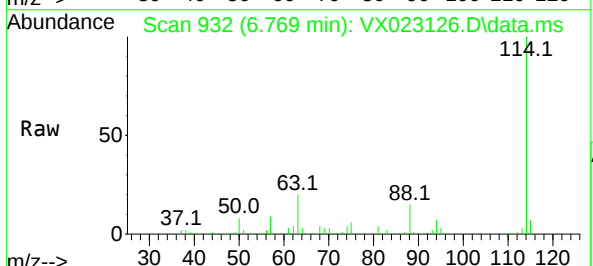
Tgt Ion: 65 Resp: 165324  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 105.4

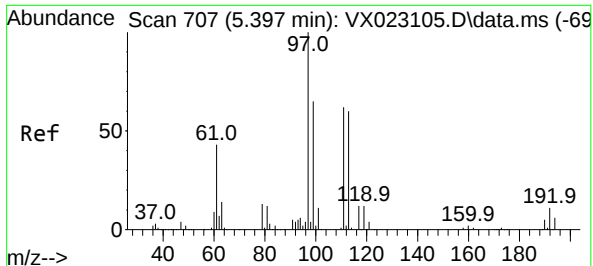


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Tgt Ion: 114 Resp: 387614  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 40.8  
88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.962 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023126.D

Acq: 02 Jul 2021 22:37

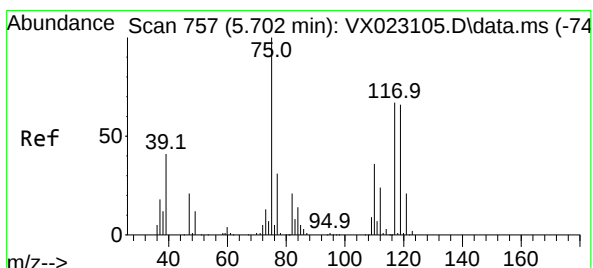
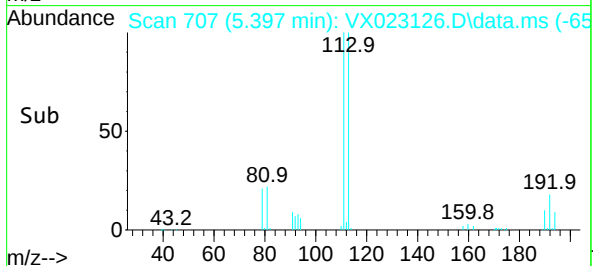
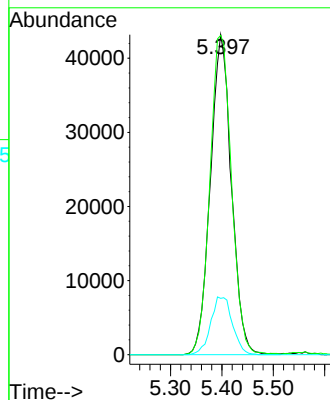
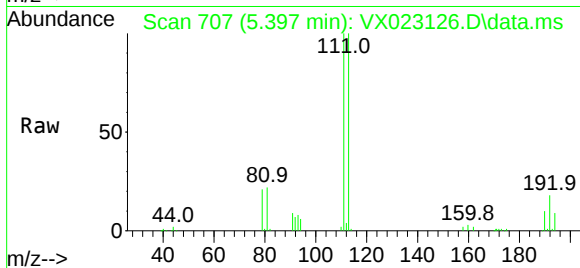
Tgt Ion:113 Resp: 122554

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 18.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.505 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023126.D

Acq: 02 Jul 2021 22:37

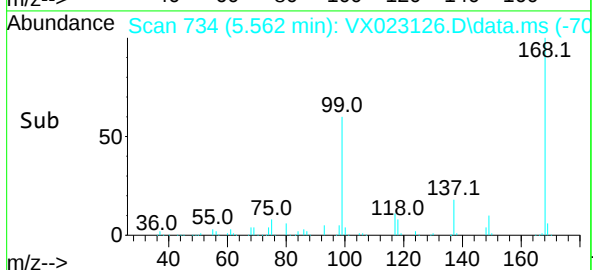
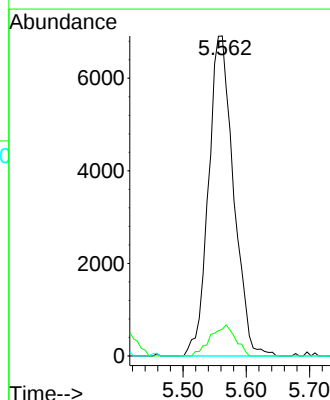
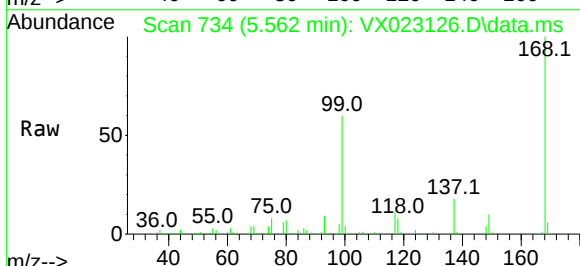
Tgt Ion: 75 Resp: 19024

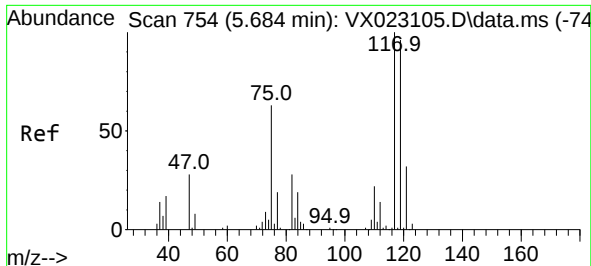
Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

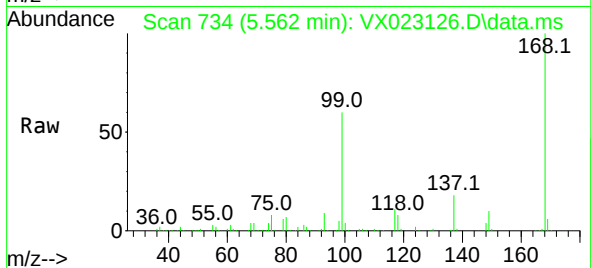
77 0.0 25.3 37.9#



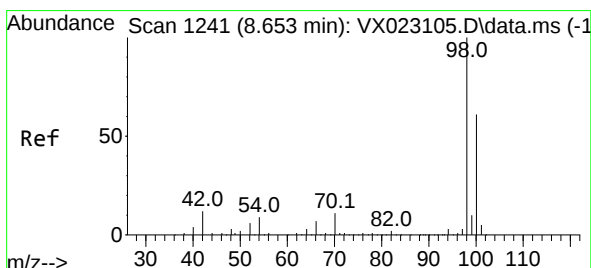
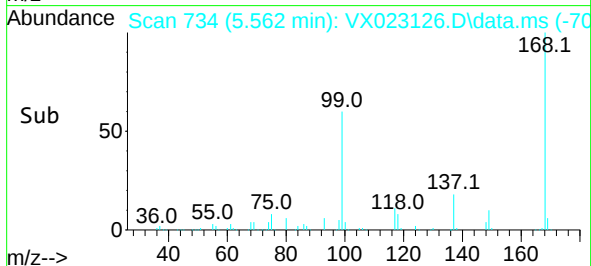
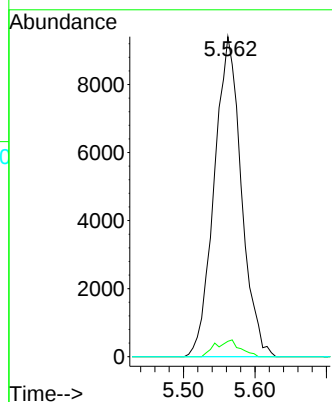


#38  
Carbon Tetrachloride  
Concen: 6.867 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Instrument :  
MSVOA\_X  
ClientSampled :  
TB-01-063021

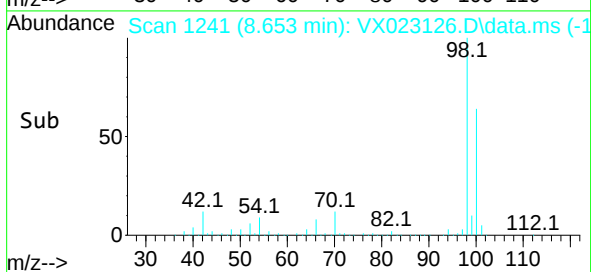
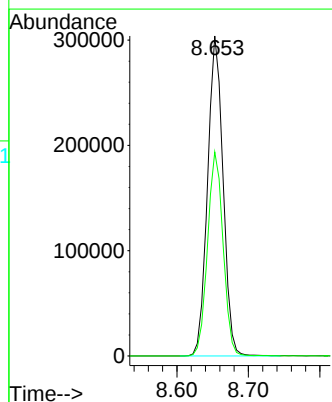
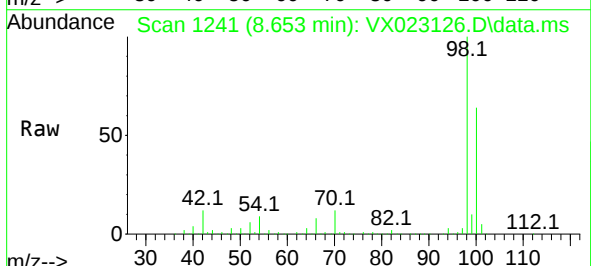


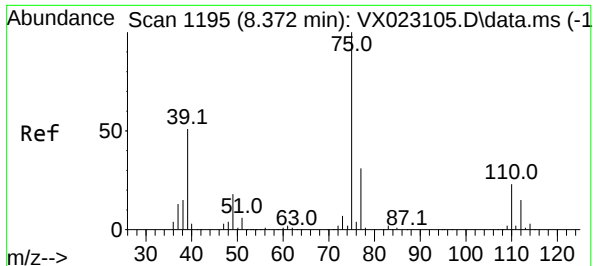
Tgt Ion:117 Resp: 24770  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.970 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Tgt Ion: 98 Resp: 457232  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.9 77.9

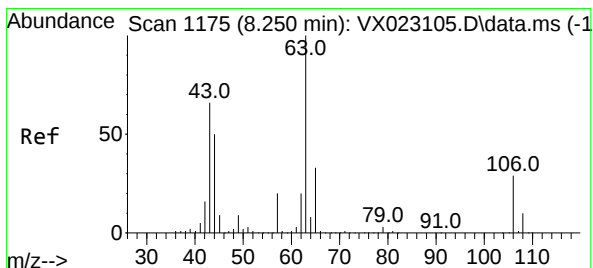
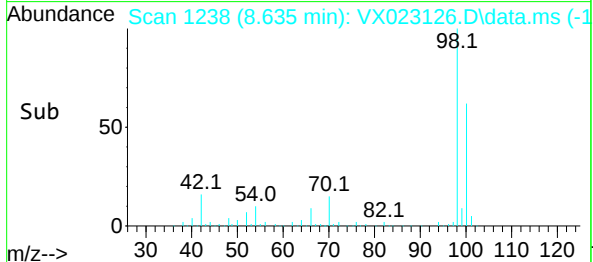
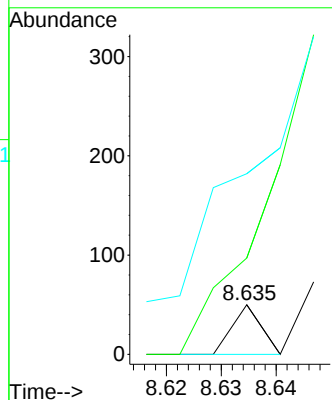
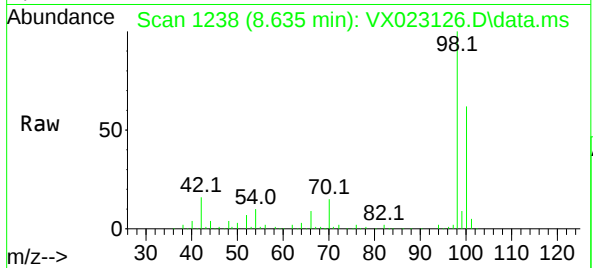




#54  
 cis-1,3-Dichloropropene  
 Concen: 2.177 ug/l  
 RT: 8.635 min Scan# 1238  
 Delta R.T. 0.263 min  
 Lab File: VX023126.D  
 Acq: 02 Jul 2021 22:37

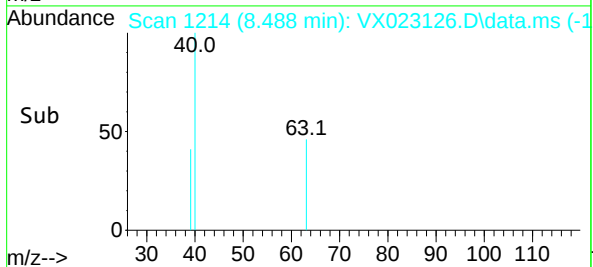
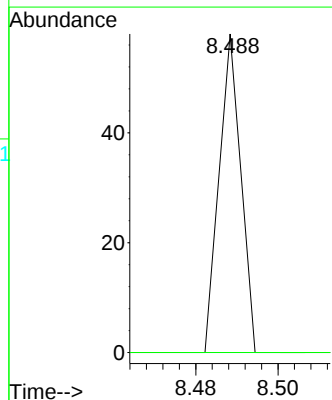
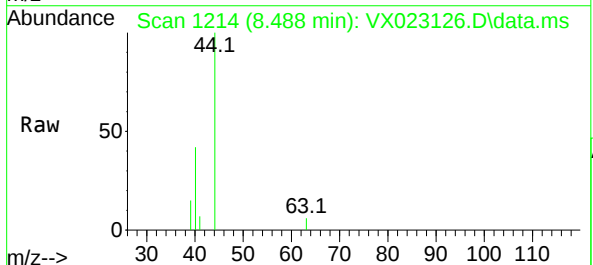
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TB-01-063021

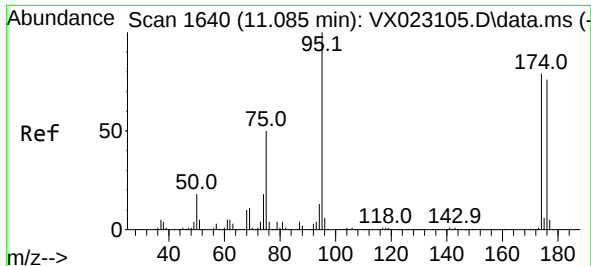
Tgt Ion: 75 Resp: 18  
 Ion Ratio Lower Upper  
 75 100  
 77 194.0 25.7 38.5#  
 39 246.0 35.1 52.7#



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 4.699 ug/l  
 RT: 8.488 min Scan# 1214  
 Delta R.T. 0.238 min  
 Lab File: VX023126.D  
 Acq: 02 Jul 2021 22:37

Tgt Ion: 63 Resp: 21  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 23.5 35.3#

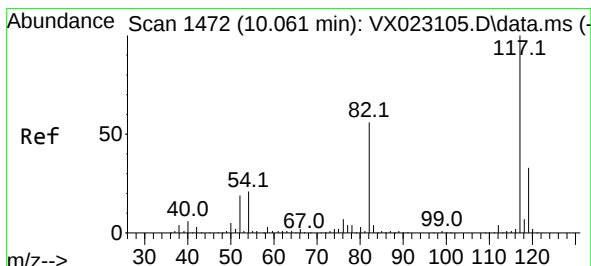
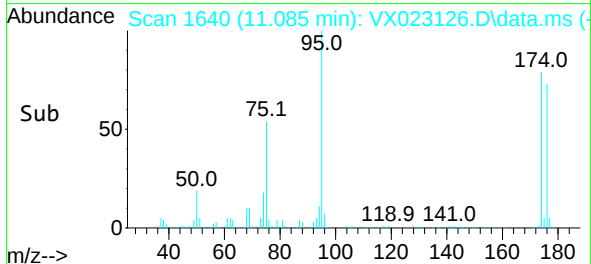
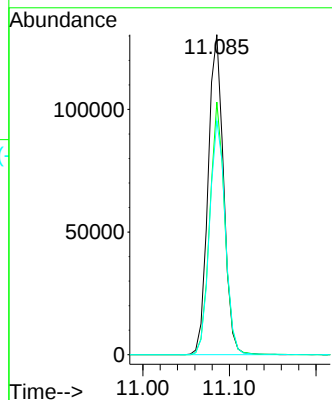
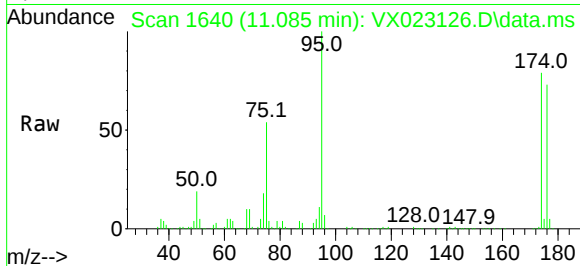




#62  
4-Bromofluorobenzene  
Concen: 44.839 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

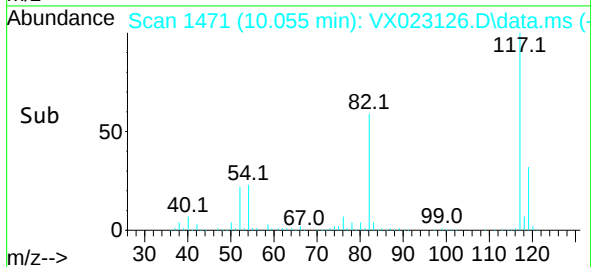
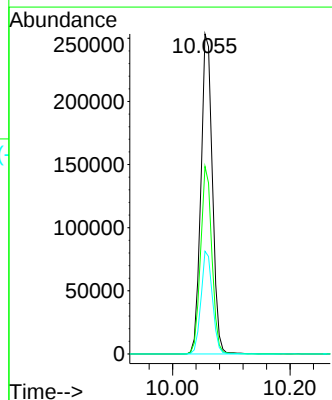
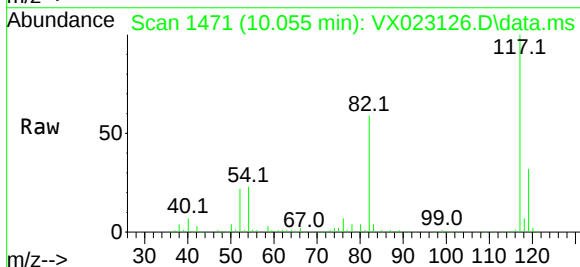
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-063021

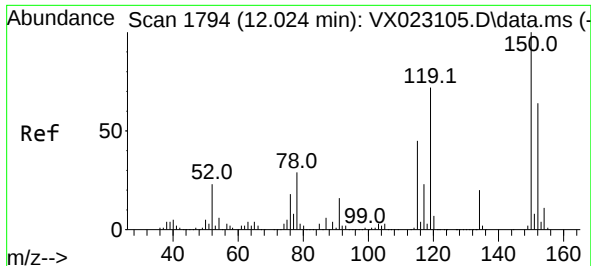
Tgt Ion: 95 Resp: 161626  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 154.6  
176 74.3 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Tgt Ion: 117 Resp: 344226  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.4 71.2  
119 32.1 26.6 39.8

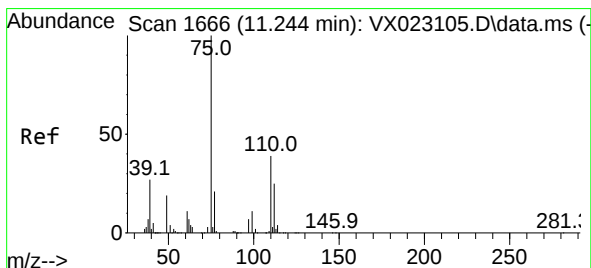
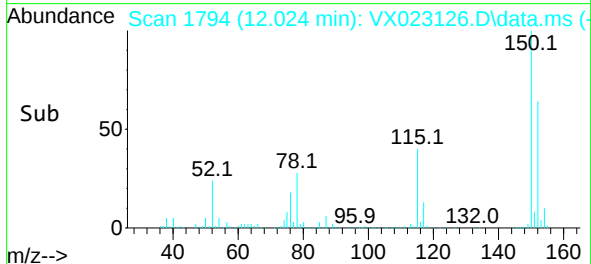
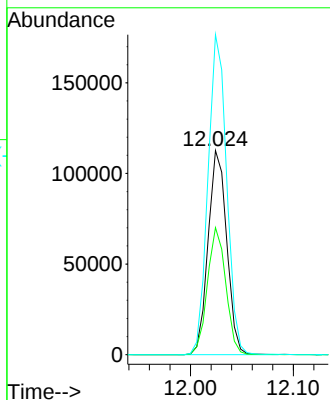
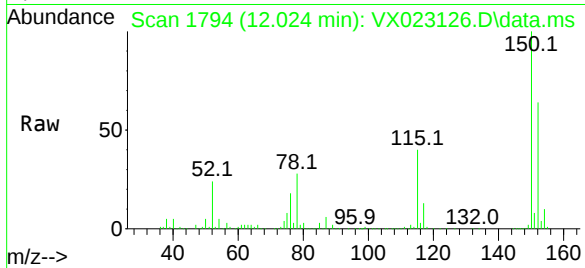




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

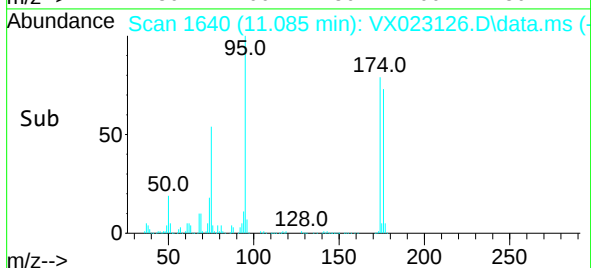
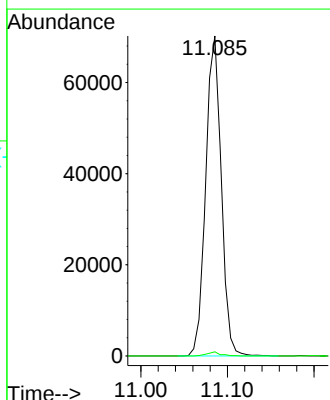
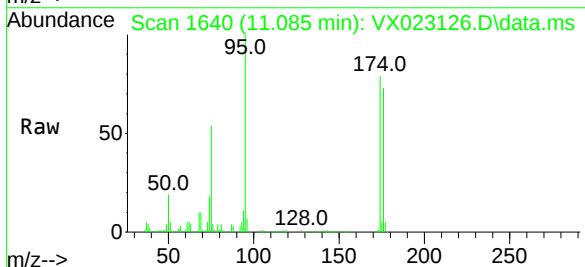
Instrument :  
MSVOA\_X  
ClientSampled :  
TB-01-063021

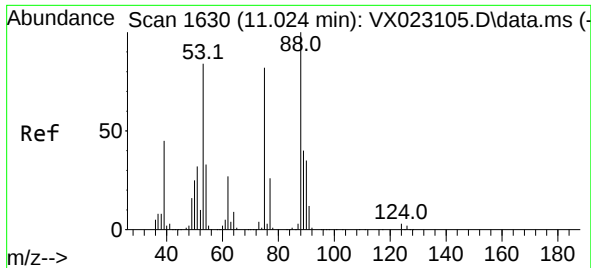
Tgt Ion:152 Resp: 141786  
Ion Ratio Lower Upper  
152 100  
115 61.4 41.1 123.3  
150 157.1 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 30.689 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

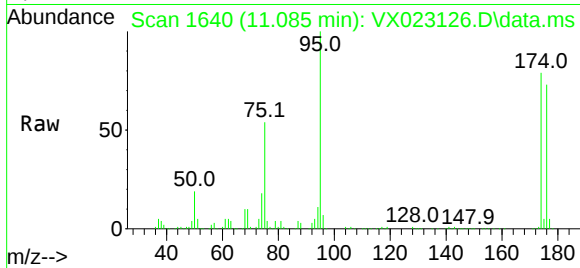
Tgt Ion: 75 Resp: 87561  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



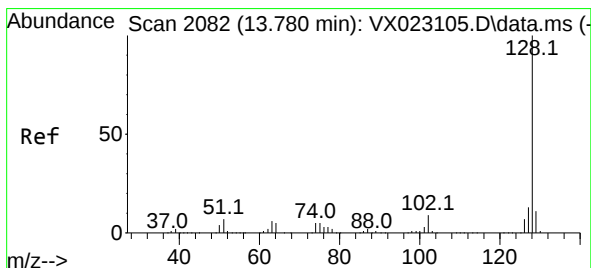
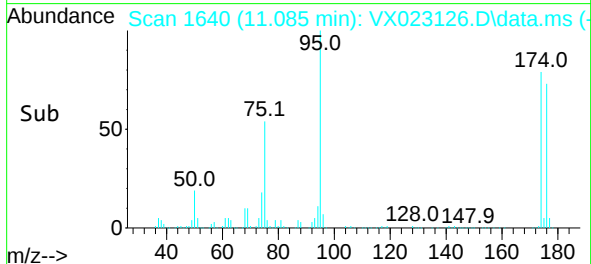
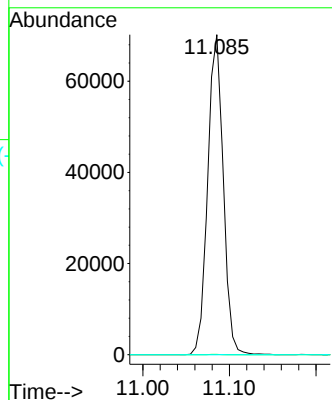


#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.290 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-063021



Tgt Ion: 75 Resp: 87561  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.299 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX023126.D  
Acq: 02 Jul 2021 22:37

Tgt Ion: 128 Resp: 254  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

