

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070221\  
 Data File : VX023127.D  
 Acq On : 02 Jul 2021 23:01  
 Operator : JC/MD  
 Sample : M2907-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-02-063021

Quant Time: Jul 05 02:59:59 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

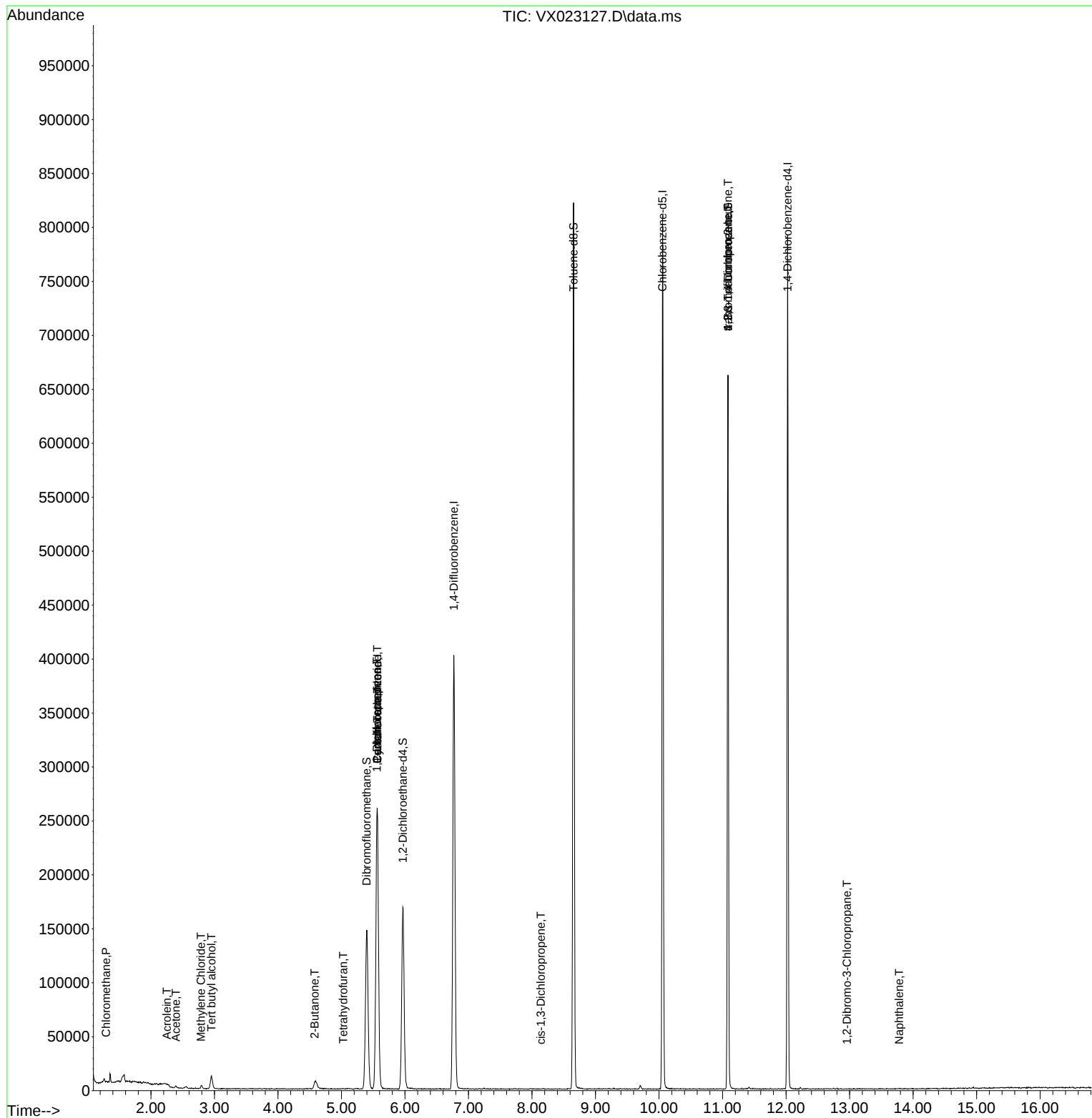
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.562     | 168            | 240688   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114            | 398430   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 358436   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152            | 152880   | 50.000     | ug/l   | 0.00     |
|                               |           |                |          |            |        |          |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65             | 167873   | 51.895     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | = 103.800% |        |          |
| 35) Dibromofluoromethane      | 5.397     | 113            | 125465   | 48.764     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | = 97.520%  |        |          |
| 50) Toluene-d8                | 8.653     | 98             | 471276   | 49.104     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | = 98.200%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95             | 171669   | 46.332     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | = 92.660%  |        |          |
|                               |           |                |          |            |        |          |
| Target Compounds              |           |                |          |            |        | Qvalue   |
| 3) Chloromethane              | 1.294     | 50             | 518      | 0.240      | ug/l   | 89       |
| 5) Bromomethane               | 1.611     | 94             | 848      | Below Cal  | #      | 70       |
| 11) Tert butyl alcohol        | 2.953     | 59             | 7131     | 10.479     | ug/l # | 84       |
| 13) Acrolein                  | 2.251     | 56             | 135      | 0.298      | ug/l # | 7        |
| 16) Acetone                   | 2.392     | 43             | 2608     | 2.038      | ug/l # | 85       |
| 20) Methylene Chloride        | 2.788     | 84             | 1233     | 0.447      | ug/l # | 89       |
| 25) 2-Butanone                | 4.574     | 43             | 584      | 0.303      | ug/l # | 45       |
| 29) Tetrahydrofuran           | 5.025     | 42             | 447      | 0.360      | ug/l # | 34       |
| 31) Cyclohexane               | 5.562     | 56             | 5656     | 1.460      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556     | 75             | 19502    | 5.491      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.562     | 117            | 25040    | 6.754      | ug/l # | 16       |
| 54) cis-1,3-Dichloropropene   | 8.141     | 75             | 27       | 2.178      | ug/l # | 36       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75             | 90047    | 29.270     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75             | 90047    | 78.706     | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.957    | 75             | 21       | 2.594      | ug/l # | 1        |
| 95) Naphthalene               | 13.780    | 128            | 298      | 1.301      | ug/l # | 69       |
| -----                         |           |                |          |            |        |          |

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

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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

Quant Time: Jul 05 02:59:59 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

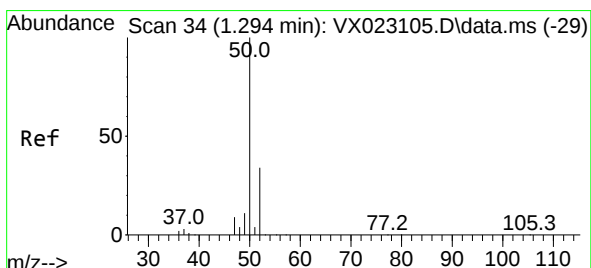
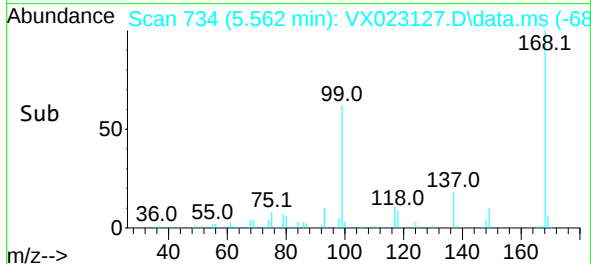
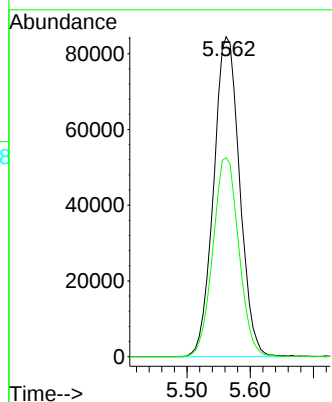
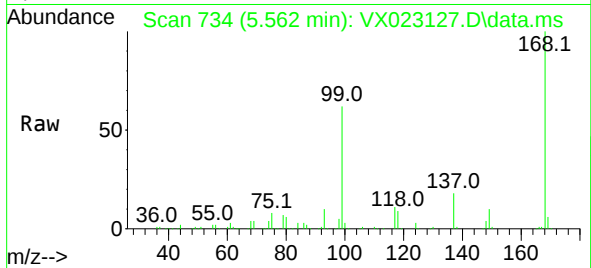




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

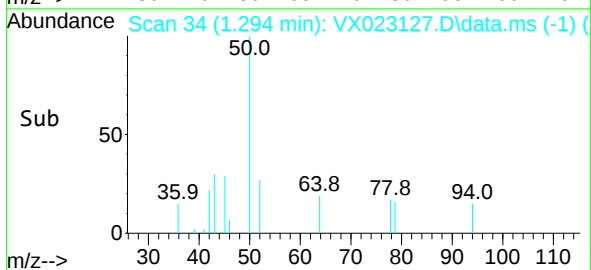
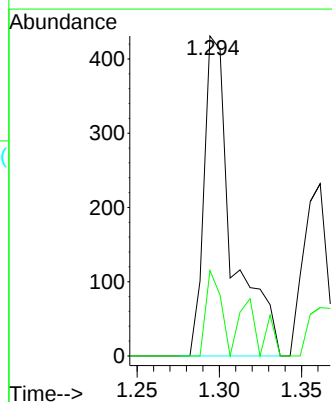
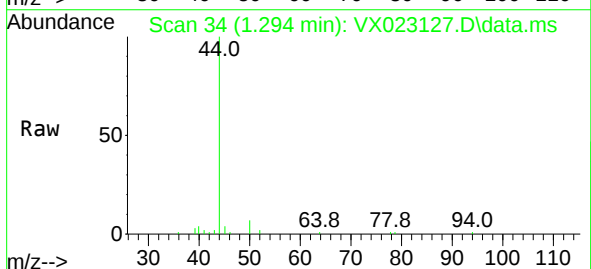
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

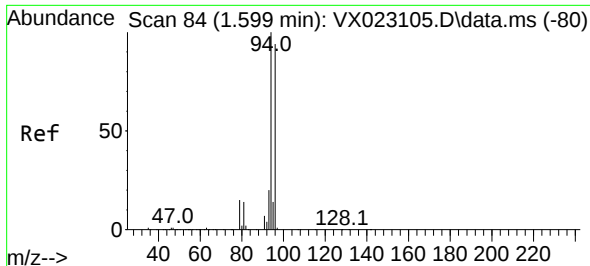
Tgt Ion:168 Resp: 240688  
Ion Ratio Lower Upper  
168 100  
99 62.1 45.8 68.6



#3  
Chloromethane  
Concen: 0.240 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Tgt Ion: 50 Resp: 518  
Ion Ratio Lower Upper  
50 100  
52 26.7 26.4 39.6

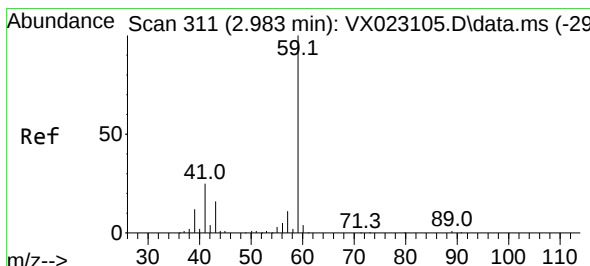
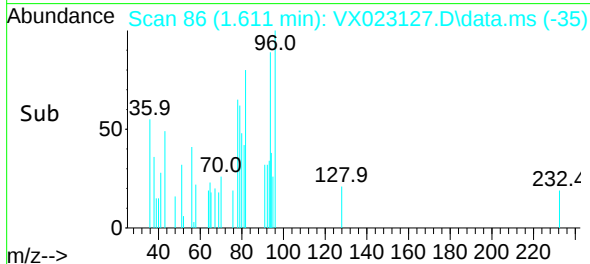
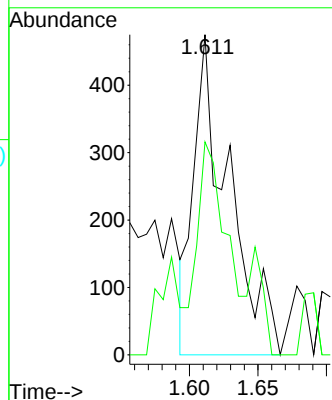
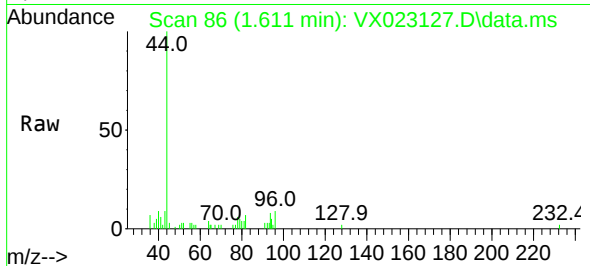




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

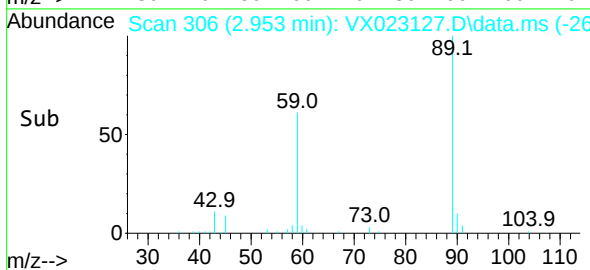
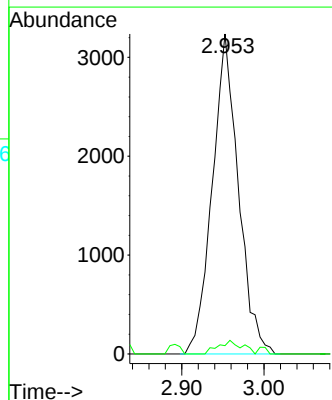
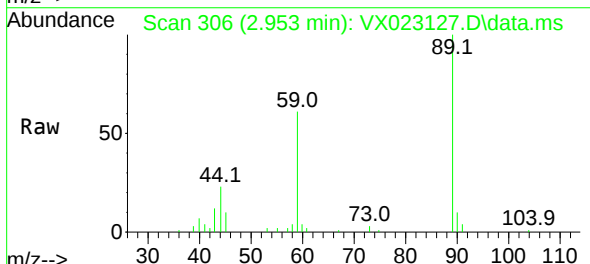
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

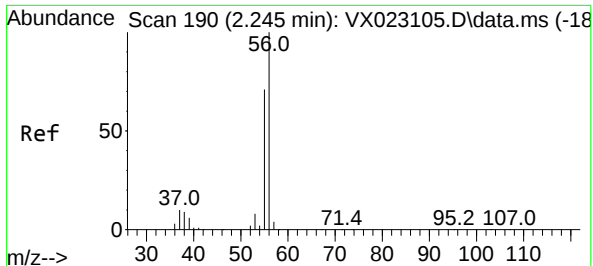
Tgt Ion: 94 Resp: 848  
Ion Ratio Lower Upper  
94 100  
96 66.5 76.4 114.6#



#11  
Tert butyl alcohol  
Concen: 10.479 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.030 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Tgt Ion: 59 Resp: 7131  
Ion Ratio Lower Upper  
59 100  
57 3.8 7.8 11.8#

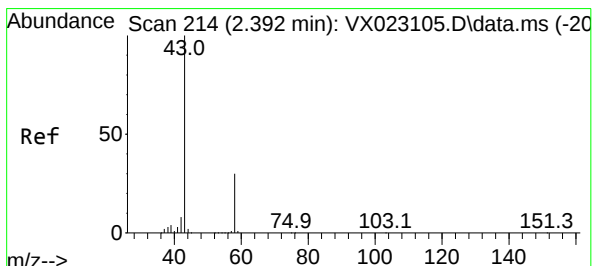
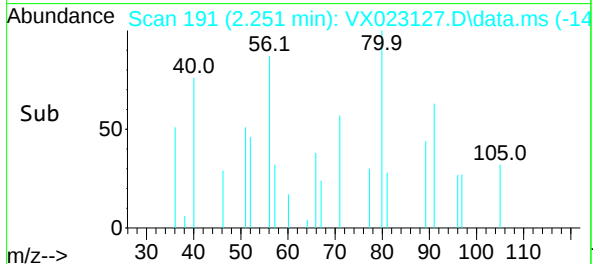
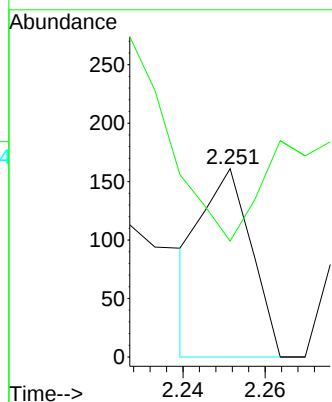
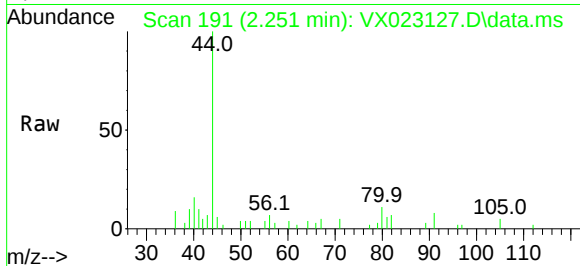




#13  
Acrolein  
Concen: 0.298 ug/l  
RT: 2.251 min Scan# 191  
Delta R.T. 0.006 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

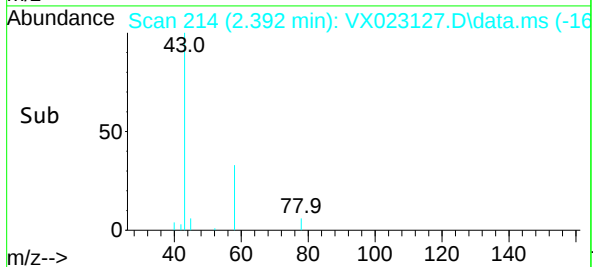
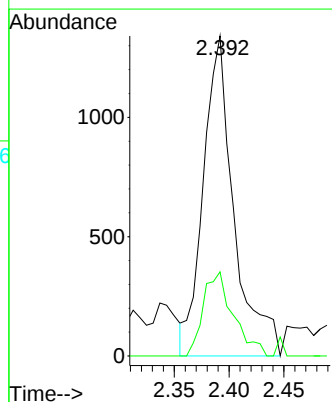
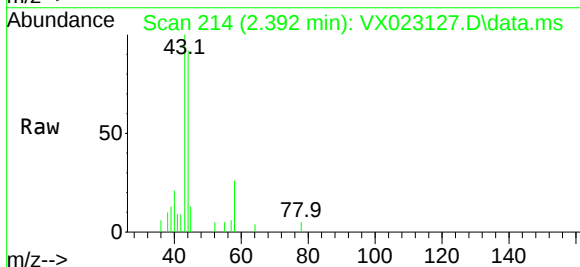
Instrument :  
MSVOA\_X  
ClientSampled :  
TB-02-063021

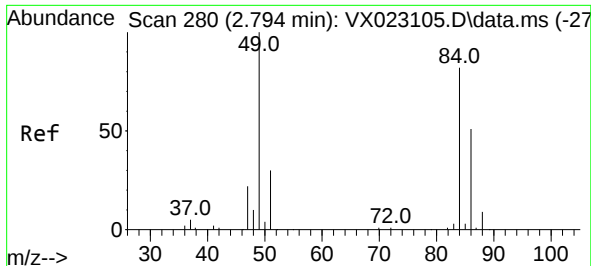
Tgt Ion: 56 Resp: 135  
Ion Ratio Lower Upper  
56 100  
55 147.4 56.4 84.6#



#16  
Acetone  
Concen: 2.038 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

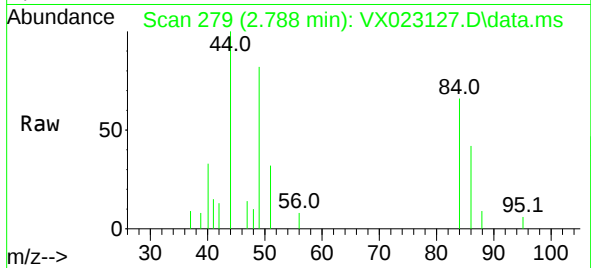
Tgt Ion: 43 Resp: 2608  
Ion Ratio Lower Upper  
43 100  
58 26.3 27.8 41.8#



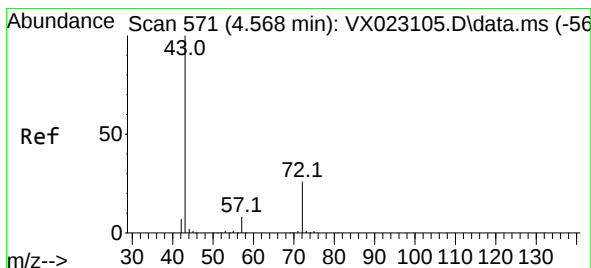
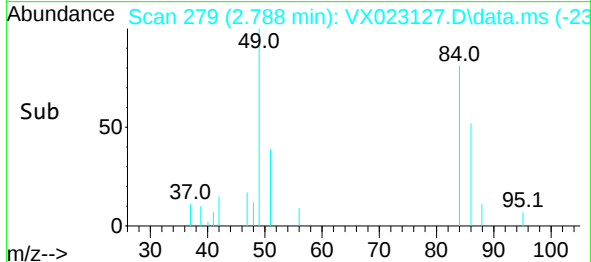
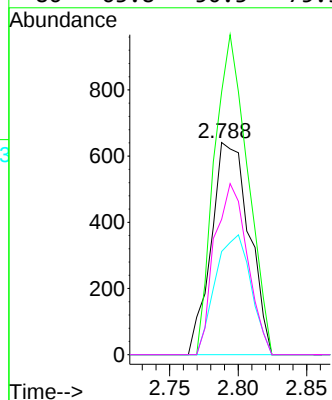


#20  
Methylene Chloride  
Concen: 0.447 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.006 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

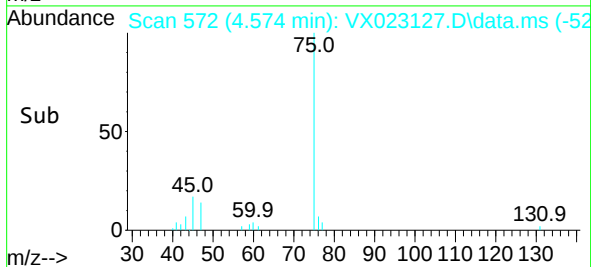
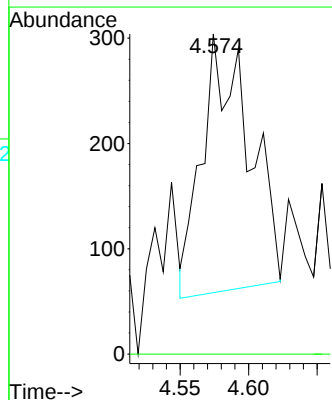
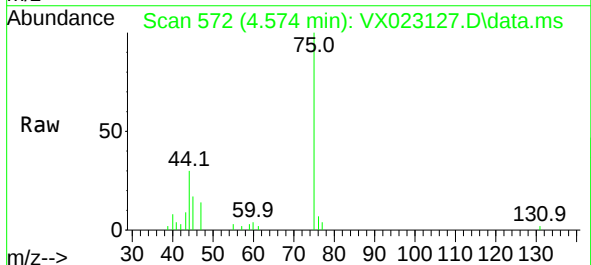


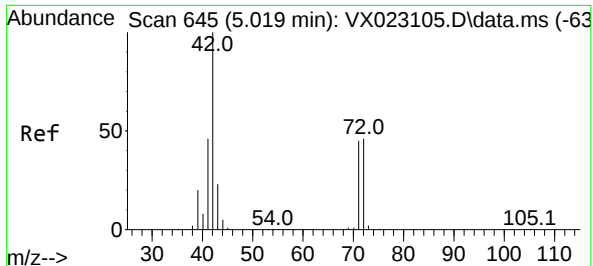
|             |                  |
|-------------|------------------|
| Tgt Ion: 84 | Resp: 1233       |
| Ion Ratio   | Lower Upper      |
| 84          | 100              |
| 49          | 123.9 88.6 132.8 |
| 51          | 48.7 27.0 40.6#  |
| 86          | 63.8 50.3 75.5   |



#25  
2-Butanone  
Concen: 0.303 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 584      |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 72          | 0.0 23.7 35.5# |





#29

Tetrahydrofuran

Concen: 0.360 ug/l

RT: 5.025 min Scan# 646

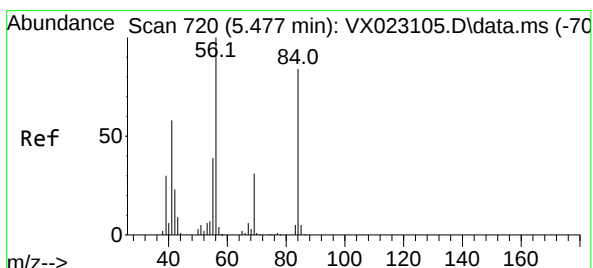
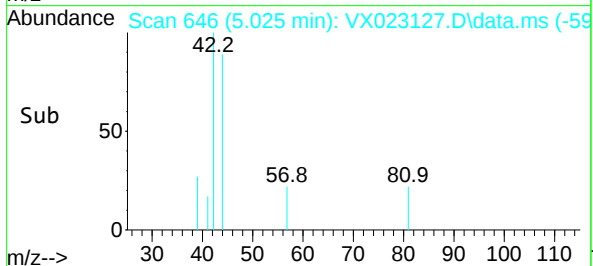
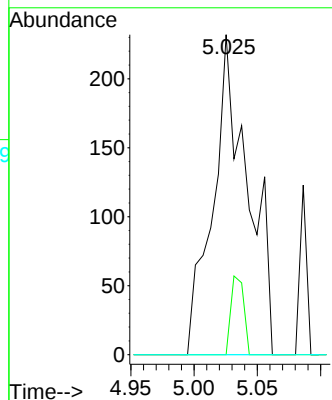
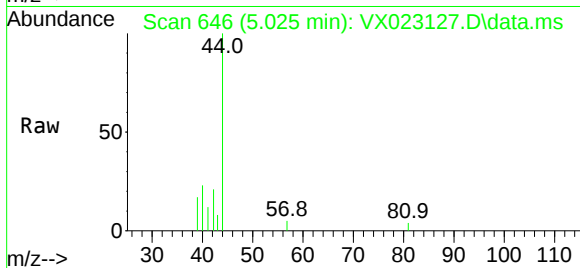
Delta R.T. 0.006 min

Lab File: VX023127.D

Acq: 02 Jul 2021 23:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 447   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 8.9   | 41.7  | 62.5# |
| 71       | 0.0   | 38.4  | 57.6# |

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021



#31

Cyclohexane

Concen: 1.460 ug/l

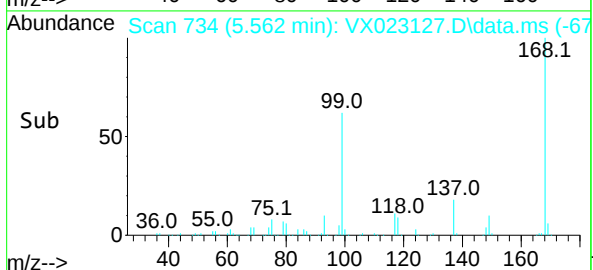
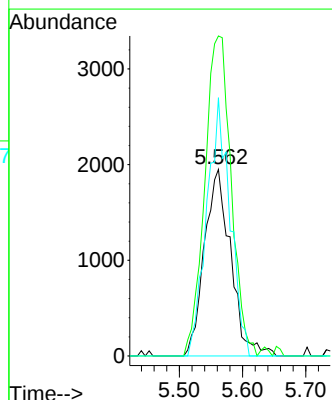
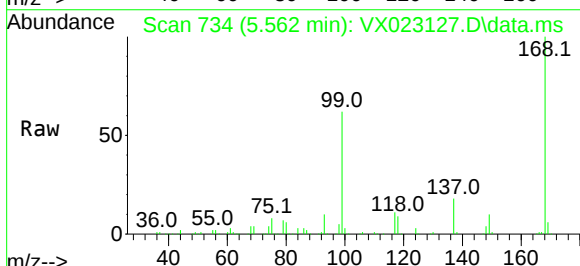
RT: 5.562 min Scan# 734

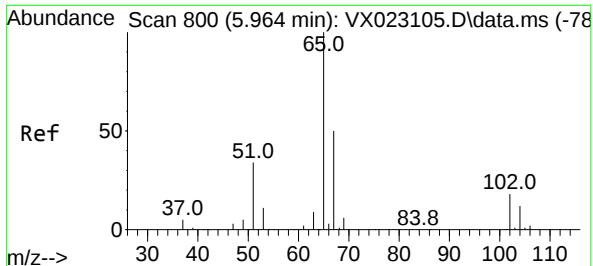
Delta R.T. 0.085 min

Lab File: VX023127.D

Acq: 02 Jul 2021 23:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5656   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 171.5 | 25.3  | 37.9#  |
| 84       | 138.3 | 71.4  | 107.0# |



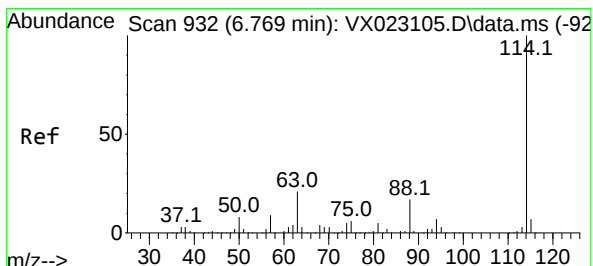
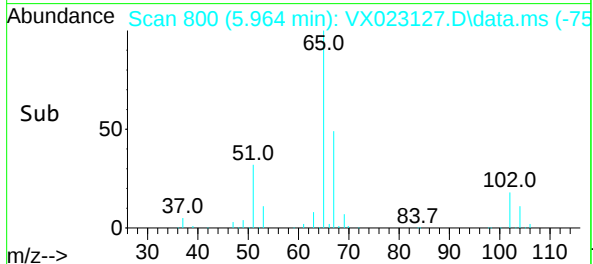
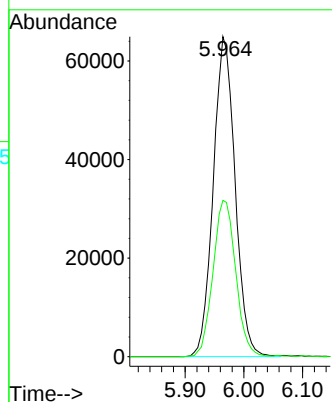
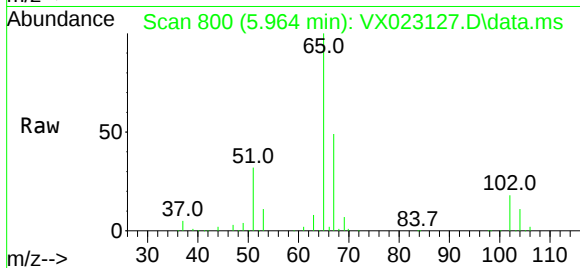


#33

1,2-Dichloroethane-d4  
Concen: 51.895 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Instrument :  
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ClientSampleId :  
TB-02-063021

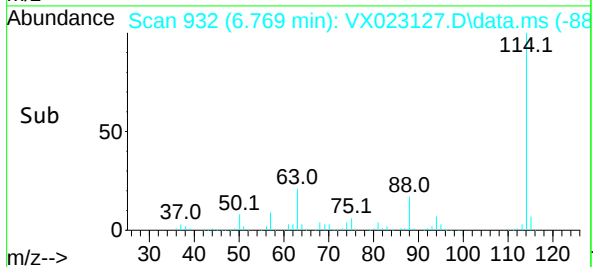
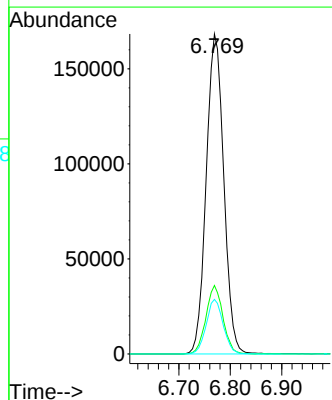
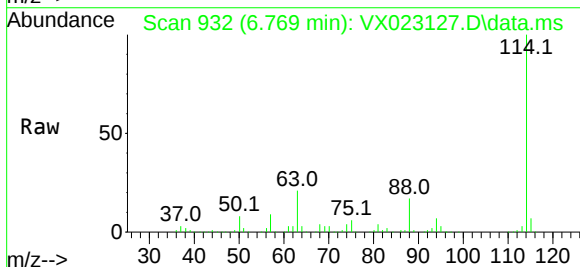
Tgt Ion: 65 Resp: 167873  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 105.4

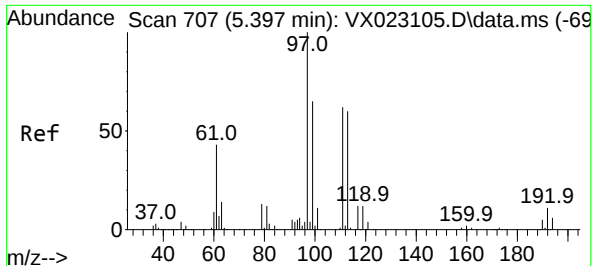


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Tgt Ion: 114 Resp: 398430  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 40.8  
88 17.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.764 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023127.D

Acq: 02 Jul 2021 23:01

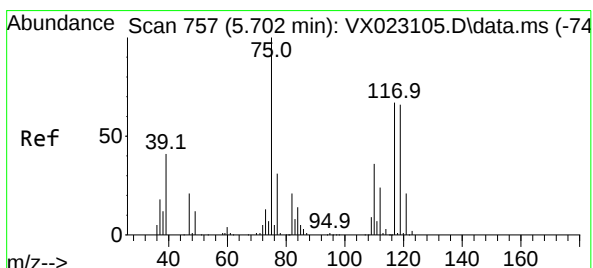
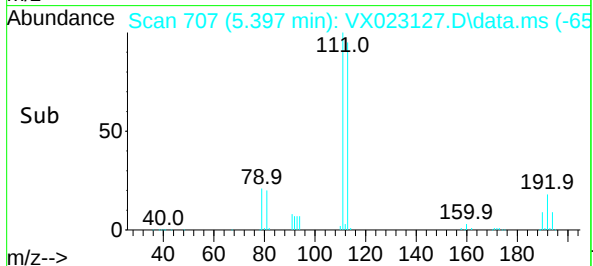
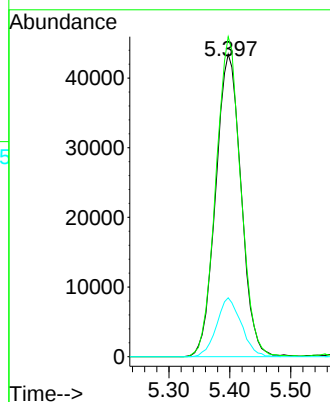
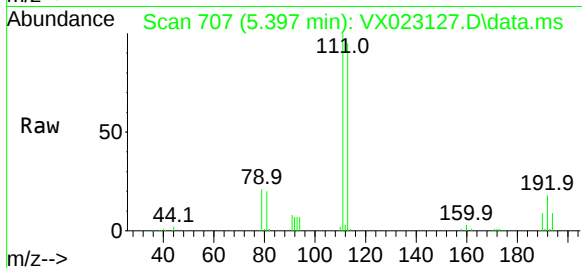
Tgt Ion:113 Resp: 125465

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 19.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.491 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023127.D

Acq: 02 Jul 2021 23:01

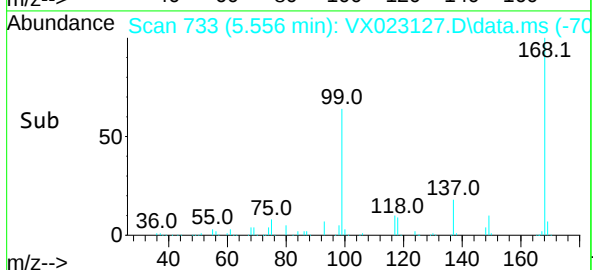
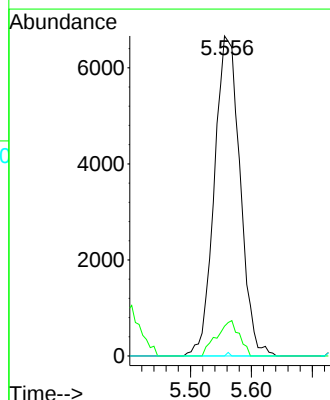
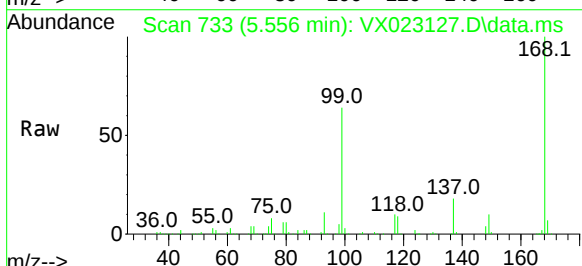
Tgt Ion: 75 Resp: 19502

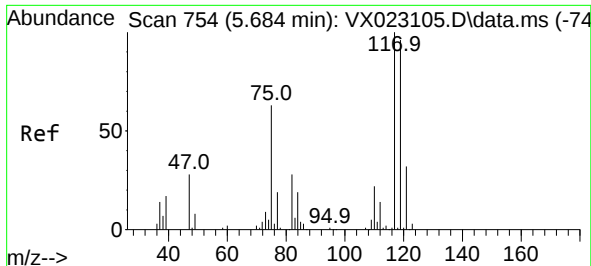
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

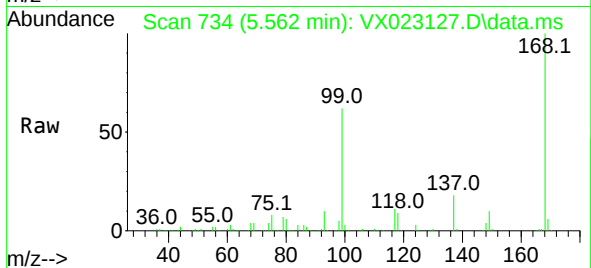
77 0.1 25.3 37.9#



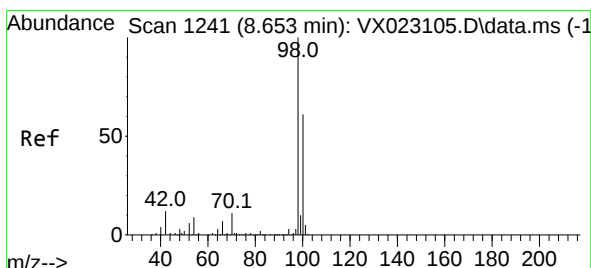
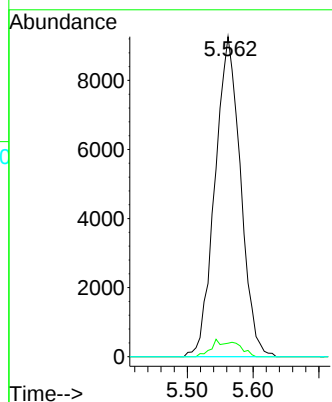
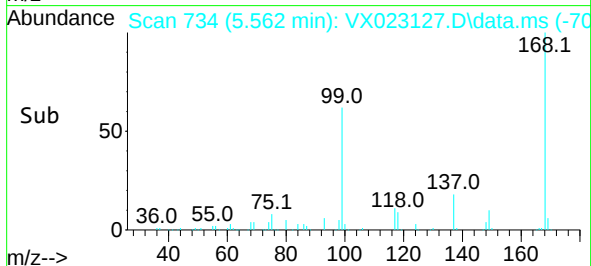


#38  
Carbon Tetrachloride  
Concen: 6.754 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

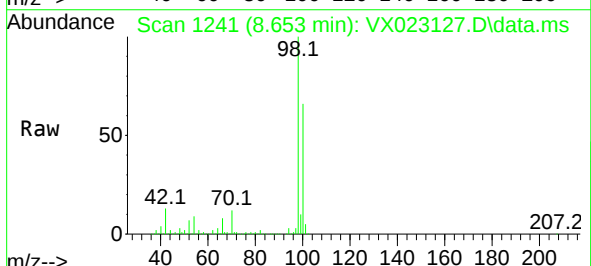
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021



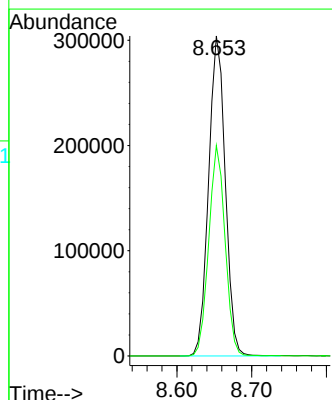
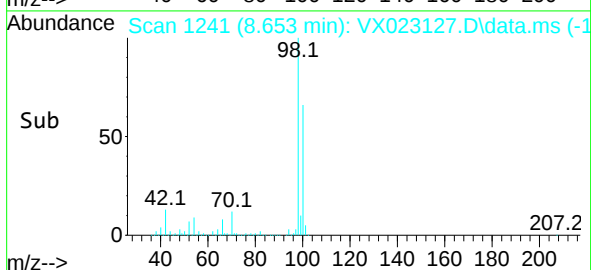
Tgt Ion:117 Resp: 25040  
Ion Ratio Lower Upper  
117 100  
119 4.2 76.2 114.2#  
121 0.0 24.8 37.2#

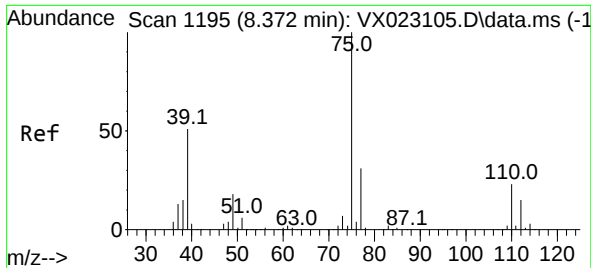


#50  
Toluene-d8  
Concen: 49.104 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01



Tgt Ion: 98 Resp: 471276  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.9 77.9

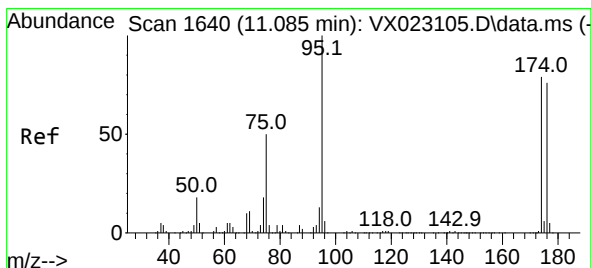
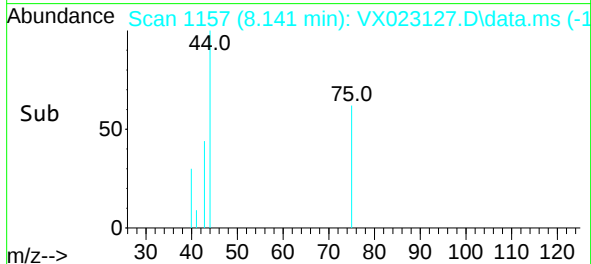
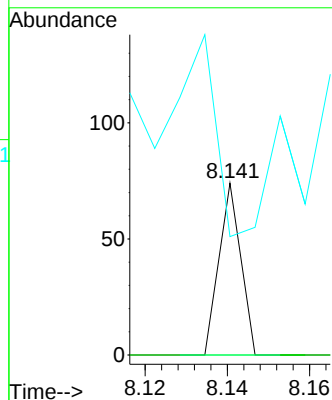
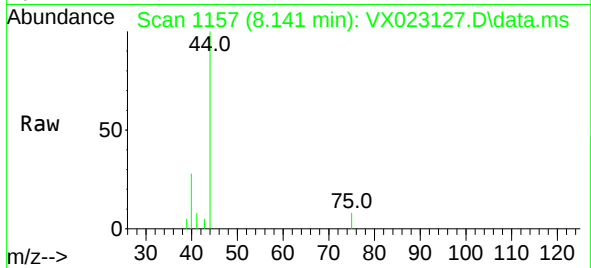




#54  
cis-1,3-Dichloropropene  
Concen: 2.178 ug/l  
RT: 8.141 min Scan# 1157  
Delta R.T. -0.231 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

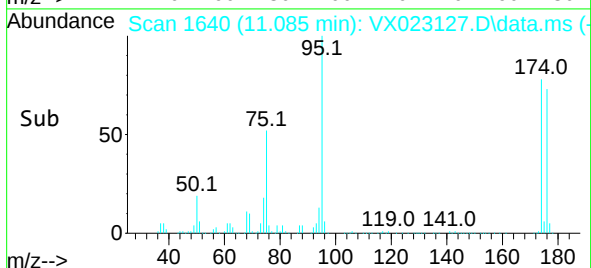
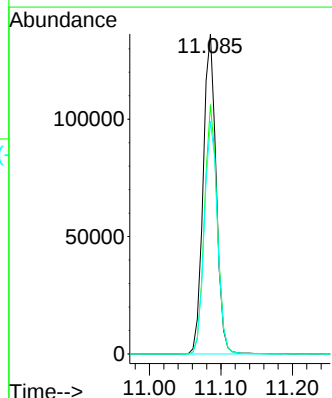
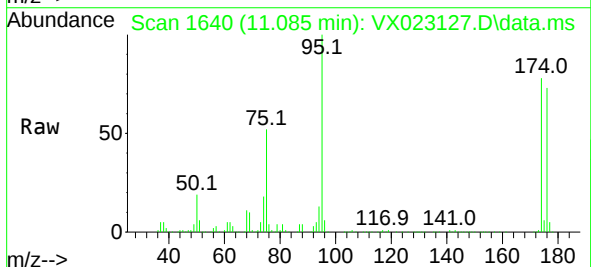
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

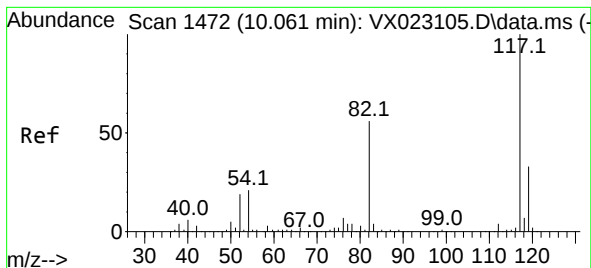
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 27    |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 0.0      | 25.7 38.5#  |
| 39 0.0      | 35.1 52.7#  |



#62  
4-Bromofluorobenzene  
Concen: 46.332 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

|             |              |
|-------------|--------------|
| Tgt Ion: 95 | Resp: 171669 |
| Ion Ratio   | Lower Upper  |
| 95 100      |              |
| 174 77.2    | 0.0 154.6    |
| 176 74.0    | 0.0 155.8    |

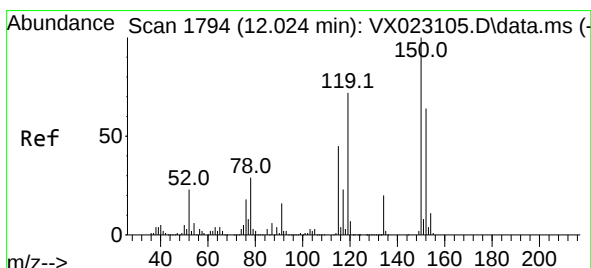
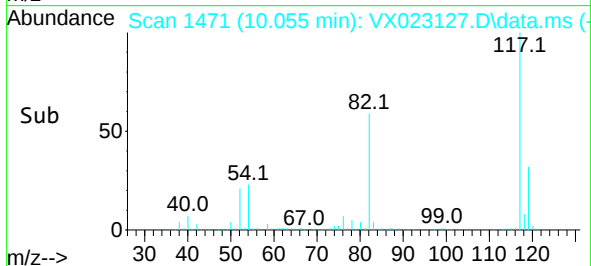
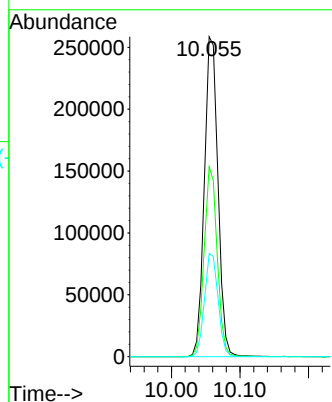
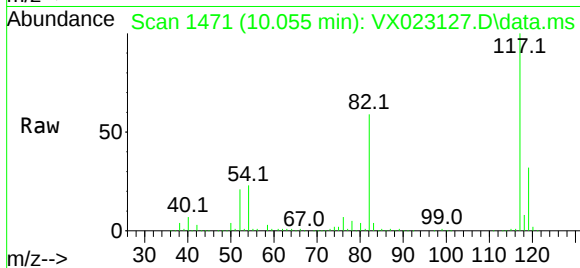




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

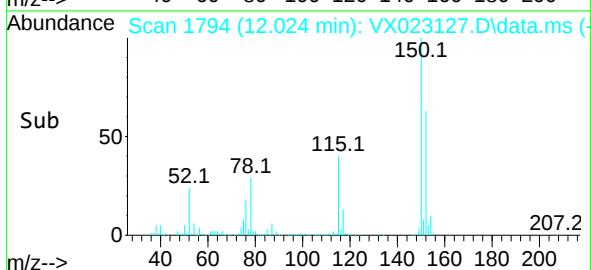
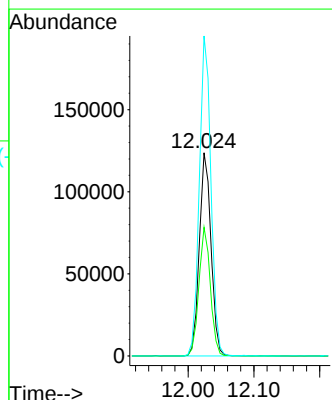
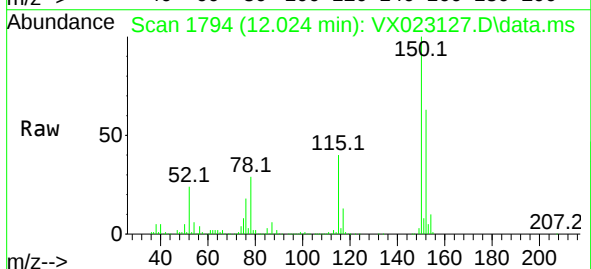
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

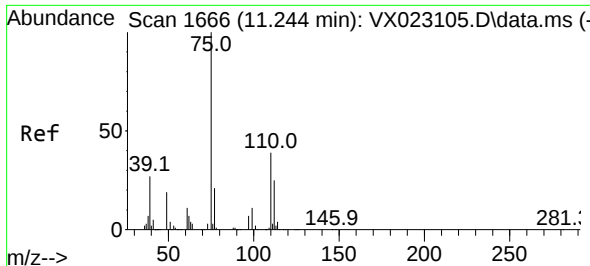
Tgt Ion:117 Resp: 358436  
Ion Ratio Lower Upper  
117 100  
82 59.3 47.4 71.2  
119 32.2 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Tgt Ion:152 Resp: 152880  
Ion Ratio Lower Upper  
152 100  
115 62.0 41.1 123.3  
150 156.4 0.0 349.0

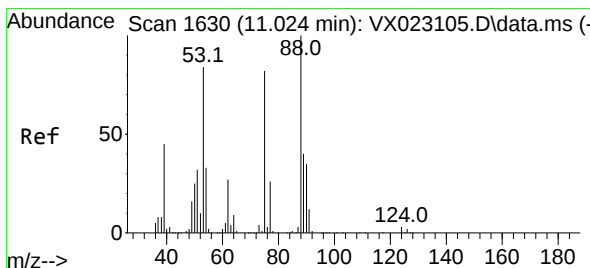
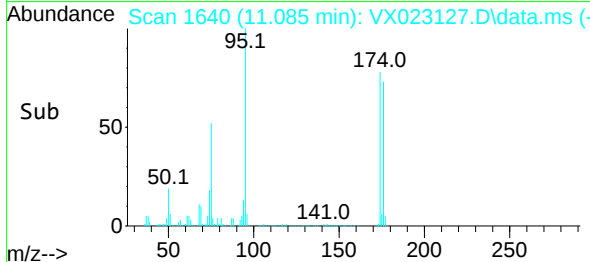
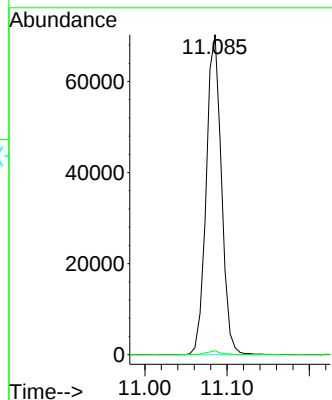
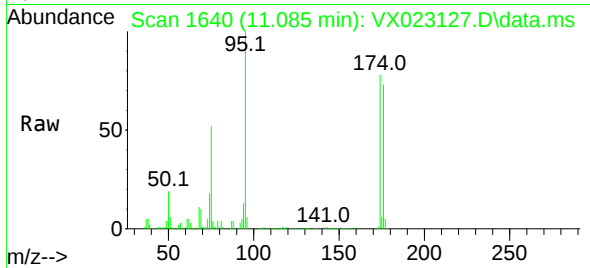




#76  
1,2,3-Trichloropropane  
Concen: 29.270 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

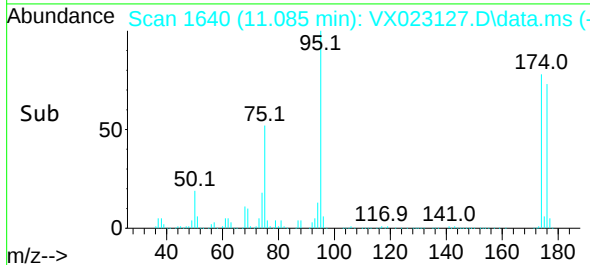
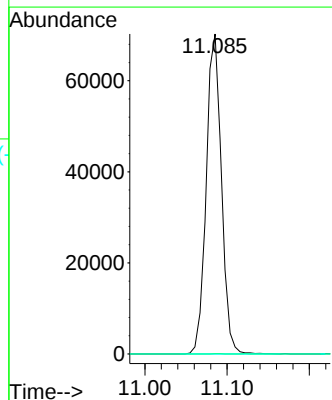
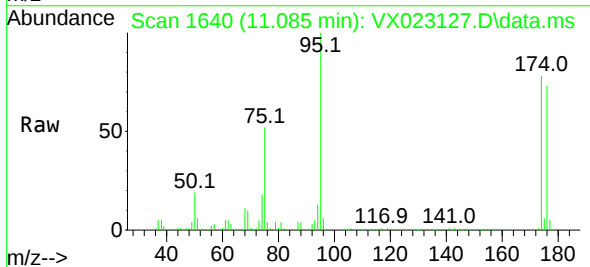
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

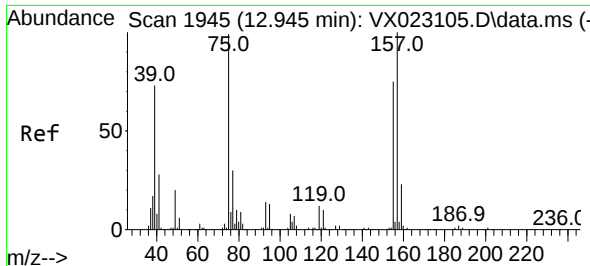
Tgt Ion: 75 Resp: 90047  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.706 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Tgt Ion: 75 Resp: 90047  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#

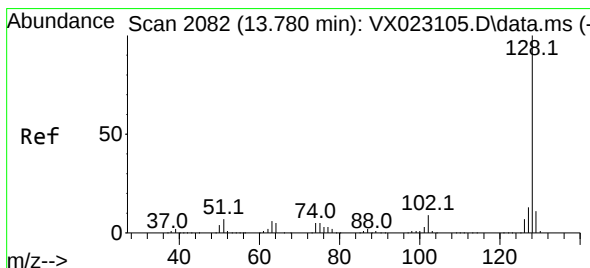
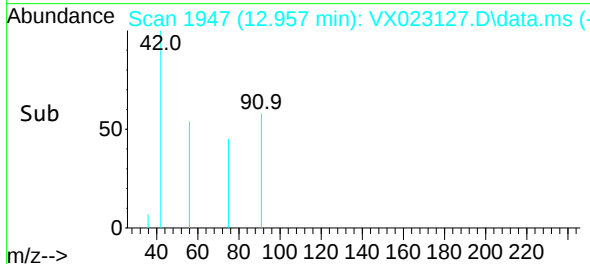
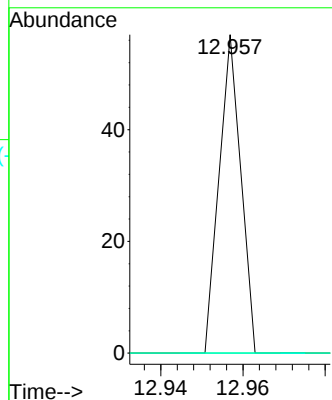
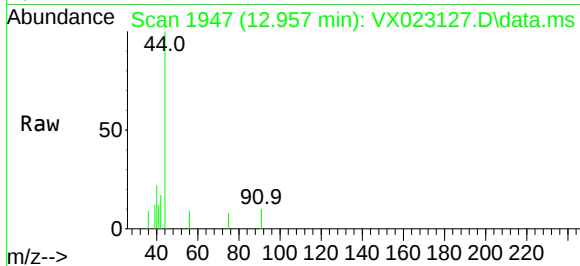




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.594 ug/l  
RT: 12.957 min Scan# 1947  
Delta R.T. 0.012 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-02-063021

Tgt Ion: 75 Resp: 21  
Ion Ratio Lower Upper  
75 100  
155 0.0 45.3 135.9#  
157 0.0 57.7 173.1#



#95  
Naphthalene  
Concen: 1.301 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX023127.D  
Acq: 02 Jul 2021 23:01

Tgt Ion: 128 Resp: 298  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

