

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061821\  
 Data File : VX022764.D  
 Acq On : 18 Jun 2021 13:50  
 Operator : JC/MD  
 Sample : M2750-11DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP01-20210615DL

Quant Time: Jun 19 01:43:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

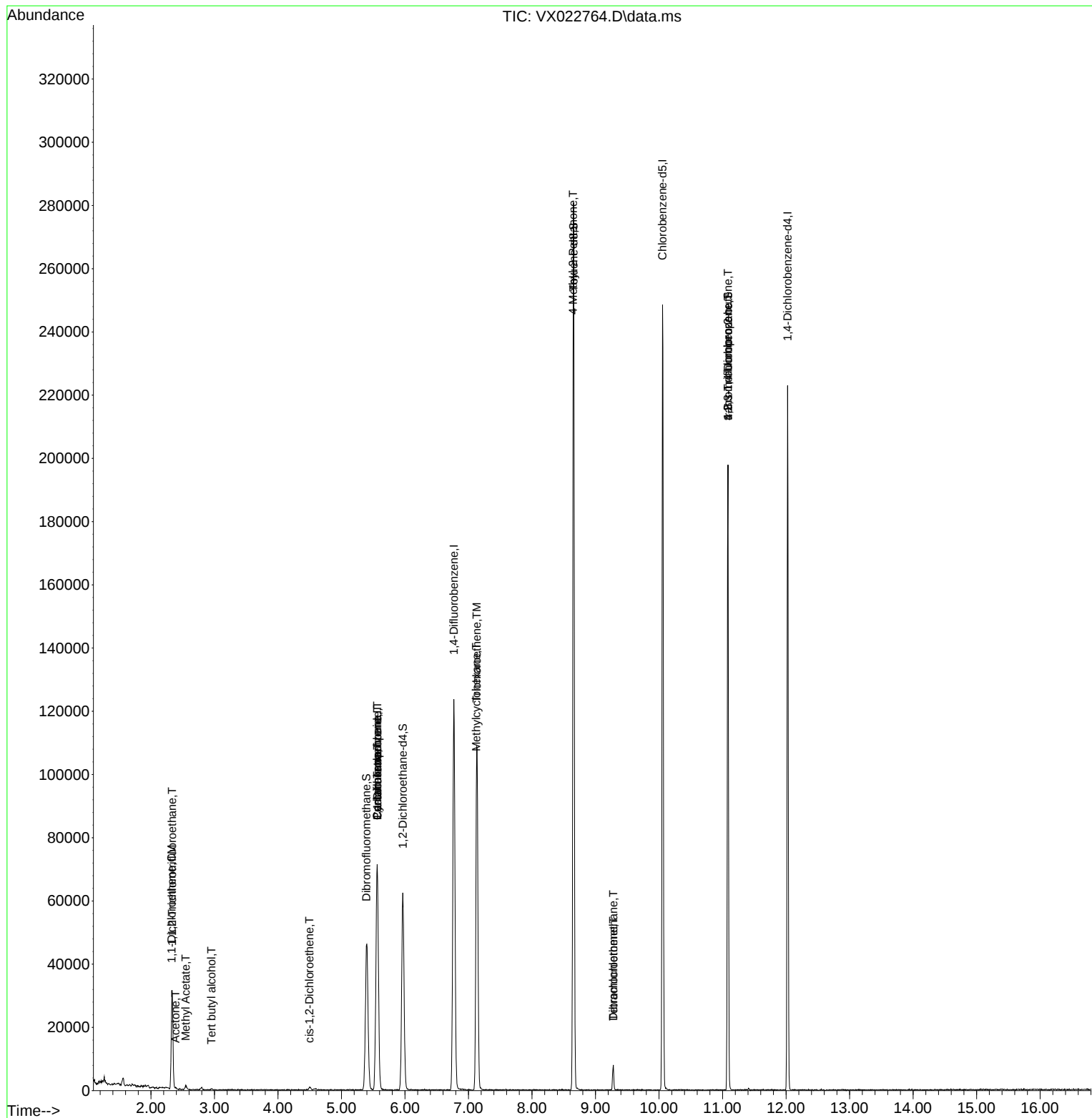
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.562     | 168            | 58089    | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114            | 118757   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 106080   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152            | 39150    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65             | 56184    | 53.779     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | = 107.560% |        |          |
| 35) Dibromofluoromethane      | 5.391     | 113            | 39836    | 52.575     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | = 105.160% |        |          |
| 50) Toluene-d8                | 8.653     | 98             | 156579   | 52.422     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | = 104.840% |        |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95             | 53205    | 47.099     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | = 94.200%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331     | 101            | 12188    | 17.141     | ug/l   | 92       |
| 11) Tert butyl alcohol        | 2.953     | 59             | 71       | 0.294      | ug/l # | 73       |
| 12) 1,1-Dichloroethene        | 2.325     | 96             | 152      | 0.216      | ug/l # | 74       |
| 16) Acetone                   | 2.386     | 43             | 639      | 1.366      | ug/l # | 84       |
| 18) Methyl Acetate            | 2.544     | 43             | 370      | 0.263      | ug/l # | 47       |
| 27) cis-1,2-Dichloroethene    | 4.495     | 96             | 353      | 0.371      | ug/l   | 54       |
| 31) Cyclohexane               | 5.562     | 56             | 1818     | 1.442      | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 5.562     | 75             | 5946     | 5.025      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.562     | 117            | 7261     | 7.174      | ug/l # | 17       |
| 39) Methylcyclohexane         | 7.123     | 83             | 702      | 0.569      | ug/l # | 1        |
| 44) Trichloroethene           | 7.129     | 130            | 38418    | 46.488     | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43             | 765      | 0.507      | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.281     | 129            | 1382     | 4.639      | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.281     | 164            | 1330     | 1.983      | ug/l   | 91       |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75             | 28940    | 27.880     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75             | 28940    | 69.507     | ug/l # | 12       |
| -----                         |           |                |          |            |        |          |

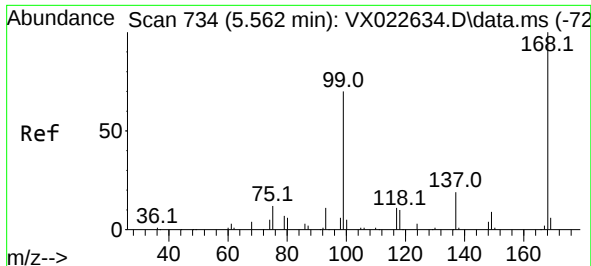
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061821\  
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Sample : M2750-11DL 5X  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

Quant Time: Jun 19 01:43:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 10 12:20:00 2021  
Response via : Initial Calibration

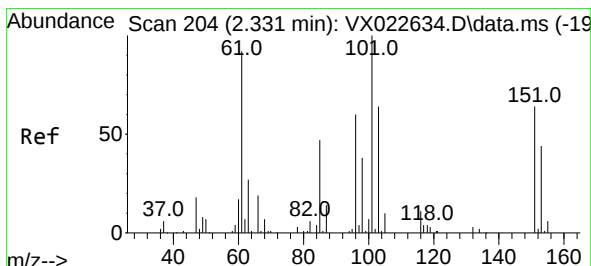
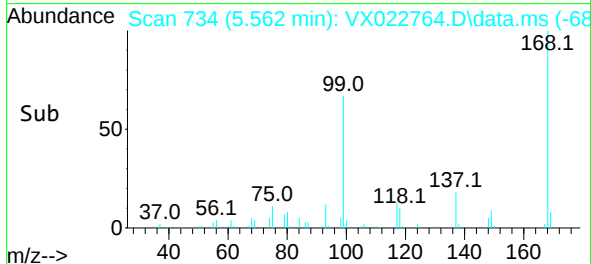
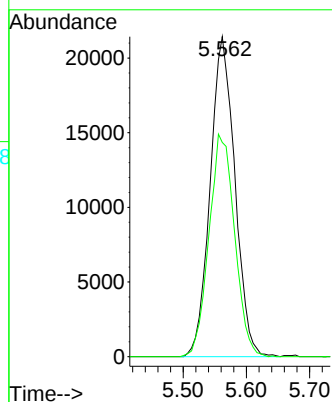
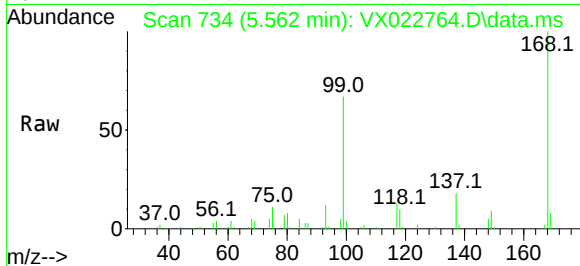




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

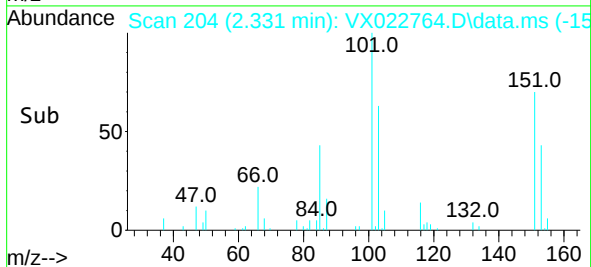
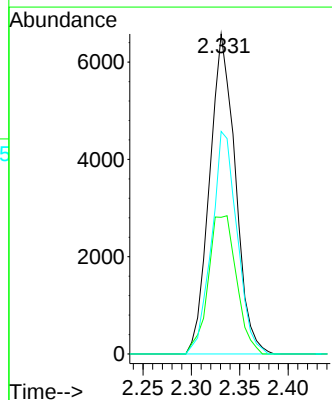
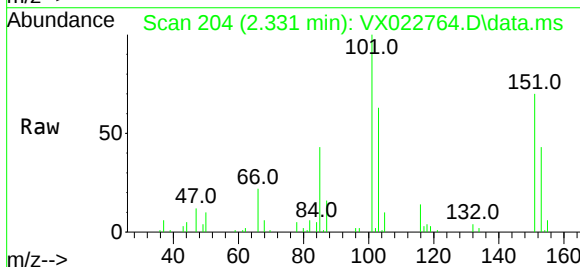
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

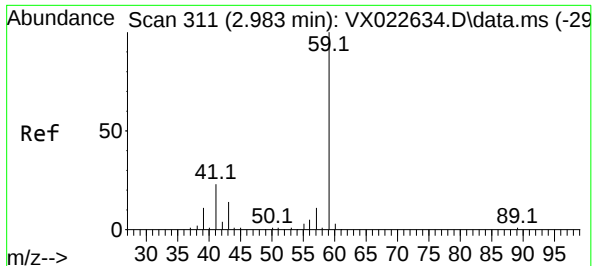
Tgt Ion:168 Resp: 58089  
Ion Ratio Lower Upper  
168 100  
99 66.9 45.8 68.6



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.141 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Tgt Ion:101 Resp: 12188  
Ion Ratio Lower Upper  
101 100  
85 47.4 34.9 52.3  
151 68.6 61.4 92.2



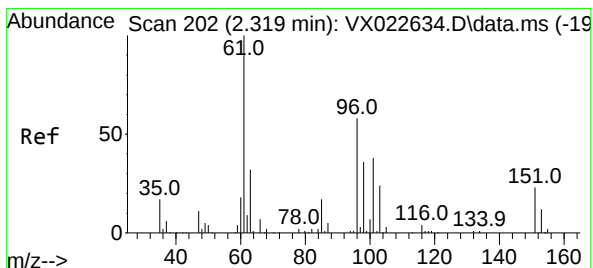
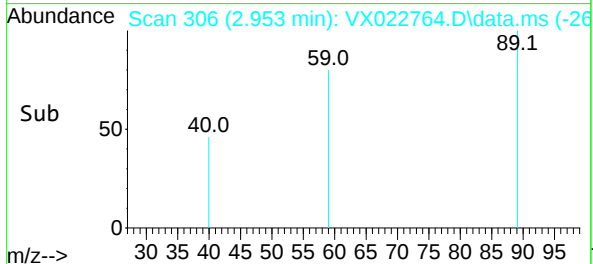
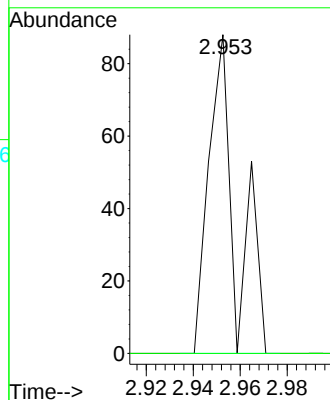
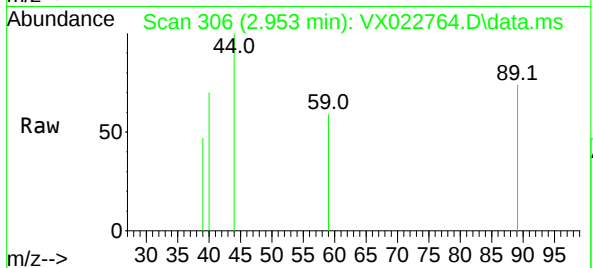


#11

Tert butyl alcohol  
Concen: 0.294 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.030 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

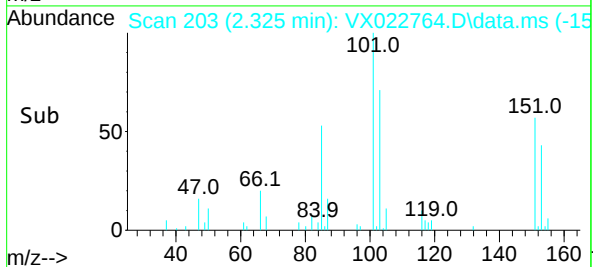
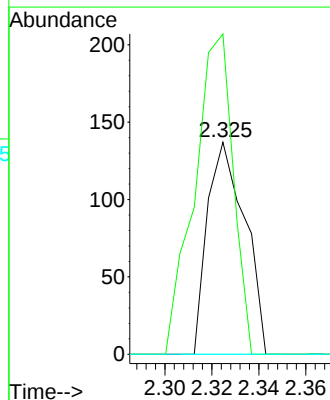
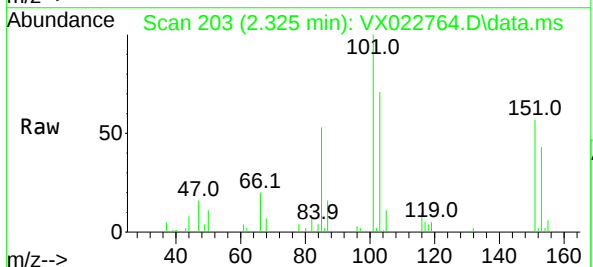
Tgt Ion: 59 Resp: 71  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

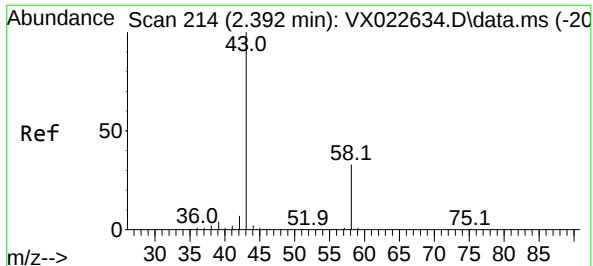


#12

1,1-Dichloroethene  
Concen: 0.216 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Tgt Ion: 96 Resp: 152  
Ion Ratio Lower Upper  
96 100  
61 151.1 124.6 187.0  
98 0.0 50.6 76.0#

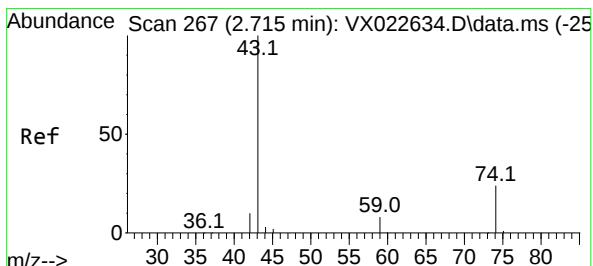
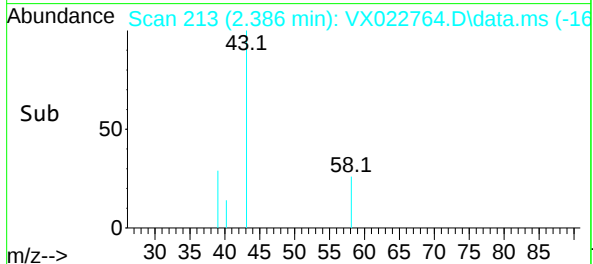
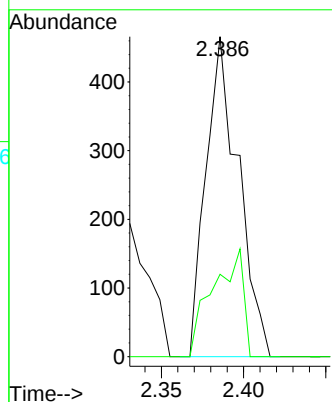
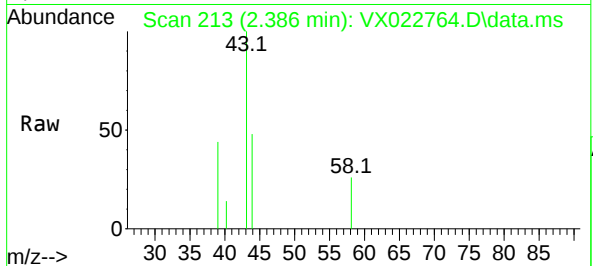




#16  
Acetone  
Concen: 1.366 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

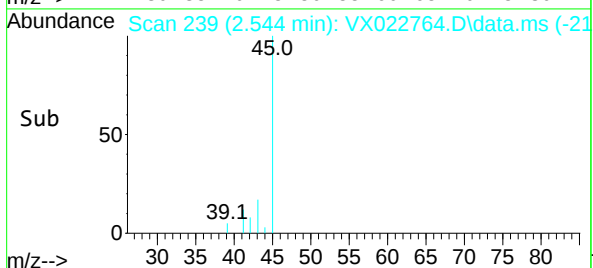
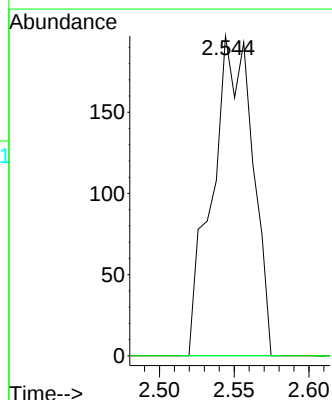
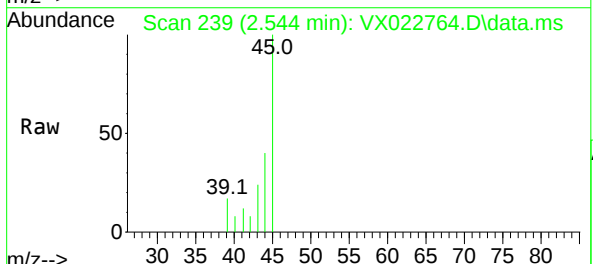
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

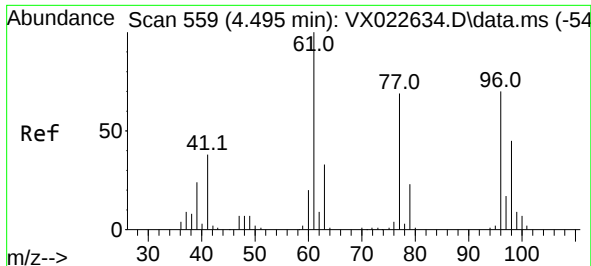
Tgt Ion: 43 Resp: 639  
Ion Ratio Lower Upper  
43 100  
58 25.8 27.8 41.8#



#18  
Methyl Acetate  
Concen: 0.263 ug/l  
RT: 2.544 min Scan# 239  
Delta R.T. -0.165 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Tgt Ion: 43 Resp: 370  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.371 ug/l

RT: 4.495 min Scan# 559

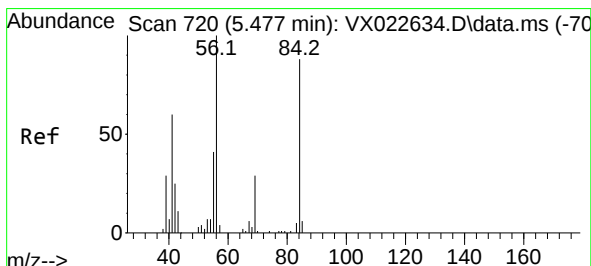
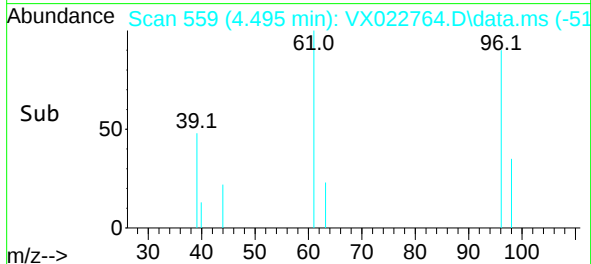
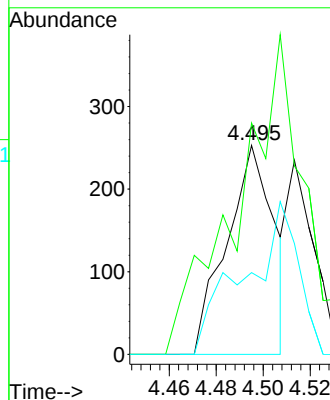
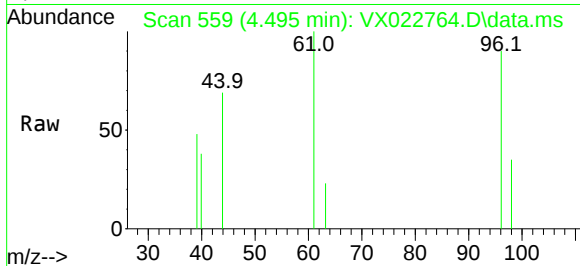
Delta R.T. 0.000 min

Lab File: VX022764.D

Acq: 18 Jun 2021 13:50

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 96 | Resp: | 353   |       |
| Ion         | Ratio | Lower | Upper |
| 96          | 100   |       |       |
| 61          | 212.2 | 0.0   | 285.6 |
| 98          | 83.0  | 0.0   | 129.6 |

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL



#31

Cyclohexane

Concen: 1.442 ug/l

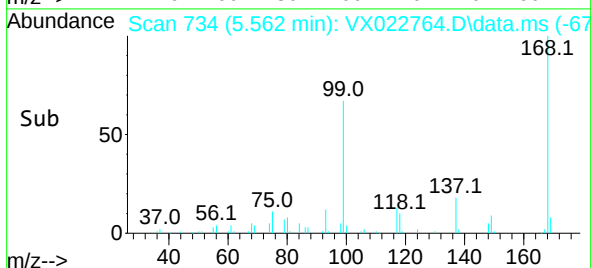
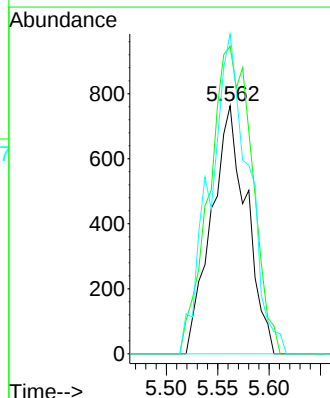
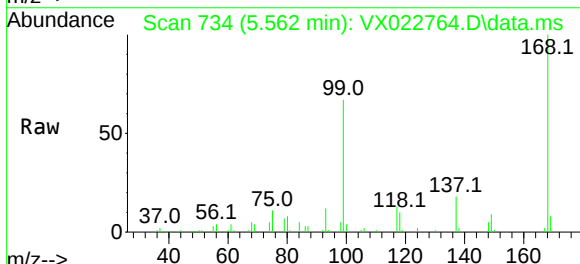
RT: 5.562 min Scan# 734

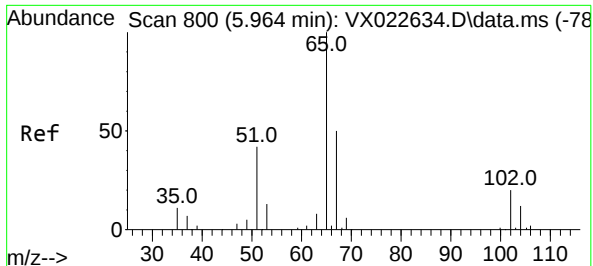
Delta R.T. 0.085 min

Lab File: VX022764.D

Acq: 18 Jun 2021 13:50

|             |       |       |        |
|-------------|-------|-------|--------|
| Tgt Ion: 56 | Resp: | 1818  |        |
| Ion         | Ratio | Lower | Upper  |
| 56          | 100   |       |        |
| 69          | 124.0 | 25.3  | 37.9#  |
| 84          | 129.0 | 71.4  | 107.0# |





#33

1,2-Dichloroethane-d4

Concen: 53.779 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022764.D

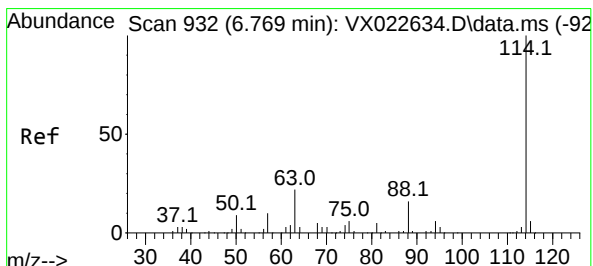
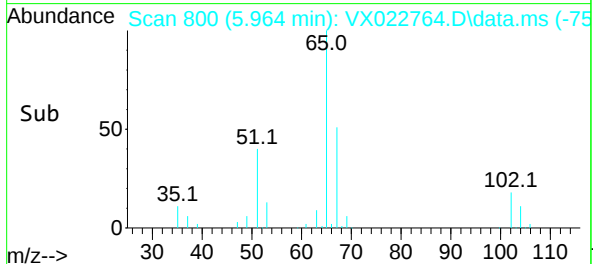
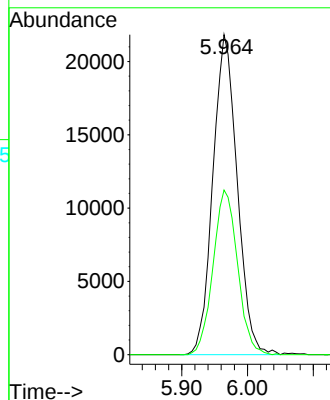
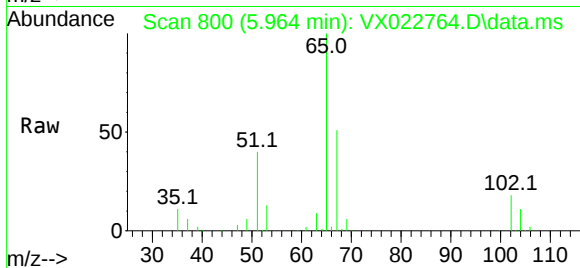
Acq: 18 Jun 2021 13:50

Tgt Ion: 65 Resp: 56184

Ion Ratio Lower Upper

65 100

67 51.8 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: VX022764.D

Acq: 18 Jun 2021 13:50

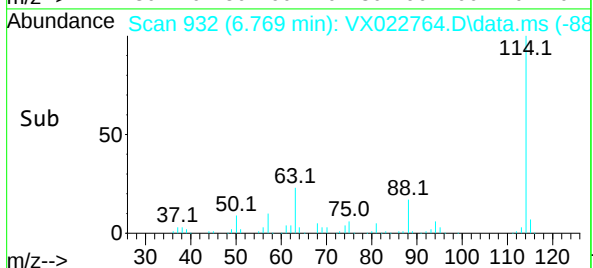
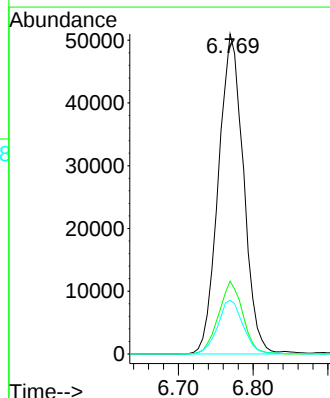
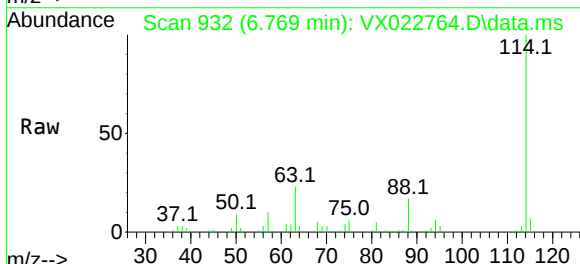
Tgt Ion: 114 Resp: 118757

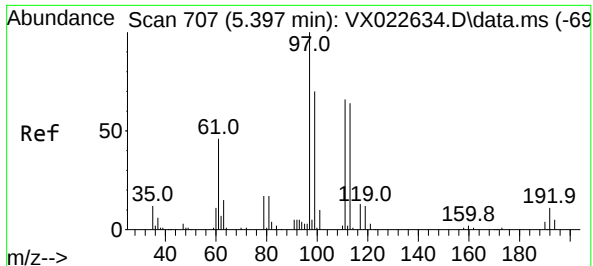
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.575 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX022764.D

Acq: 18 Jun 2021 13:50

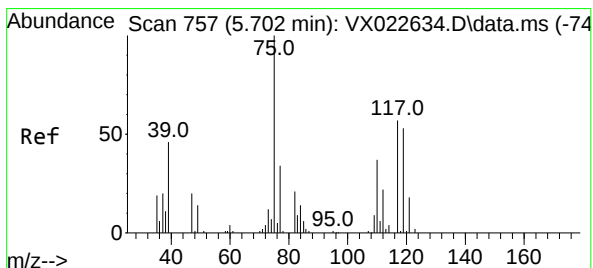
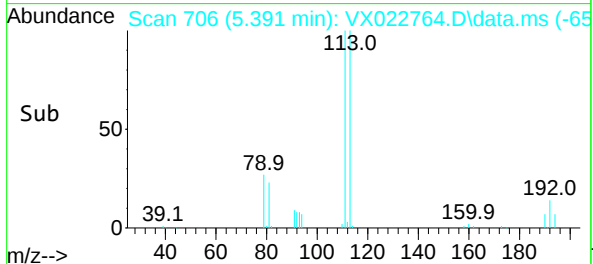
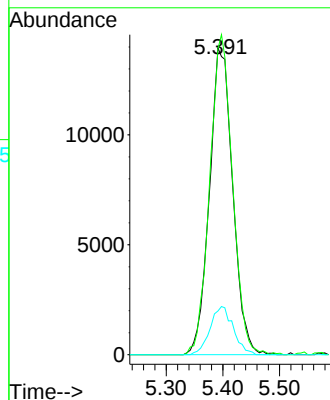
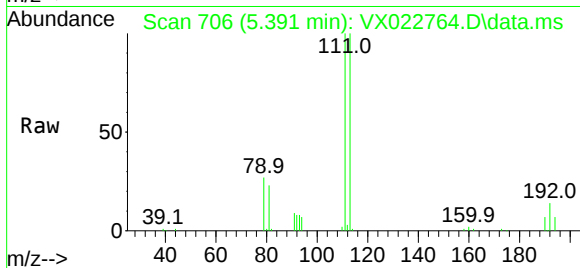
Tgt Ion:113 Resp: 39836

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 15.6 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.025 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022764.D

Acq: 18 Jun 2021 13:50

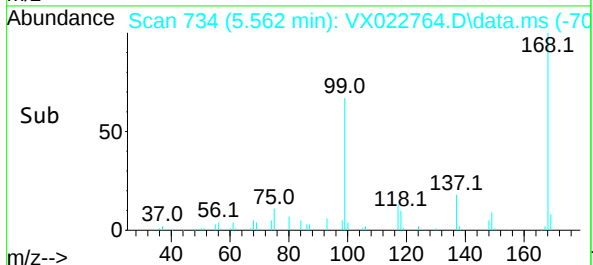
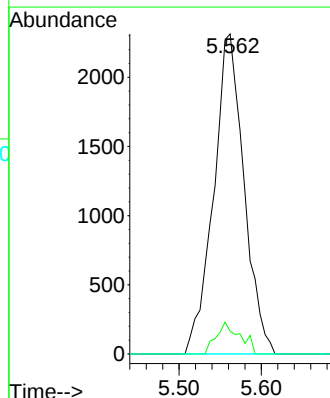
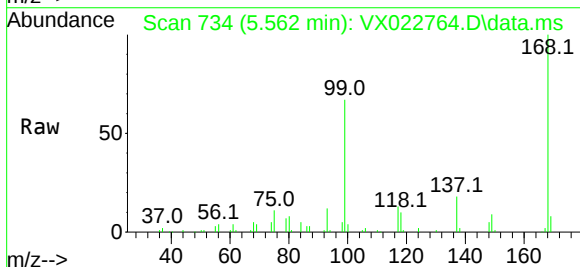
Tgt Ion: 75 Resp: 5946

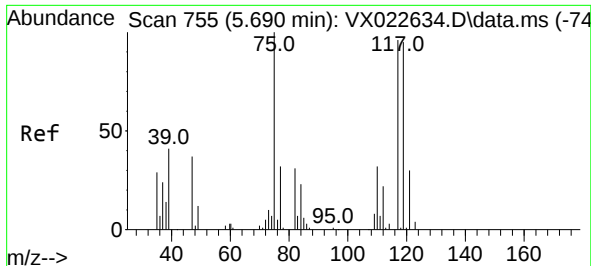
Ion Ratio Lower Upper

75 100

110 7.7 18.1 54.4#

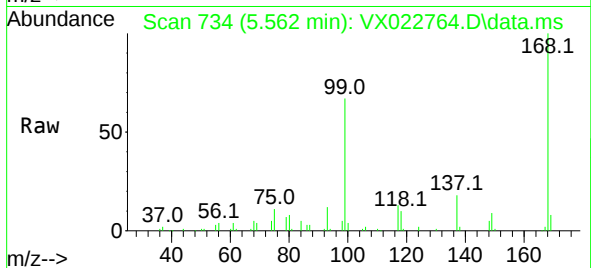
77 0.0 25.3 37.9#



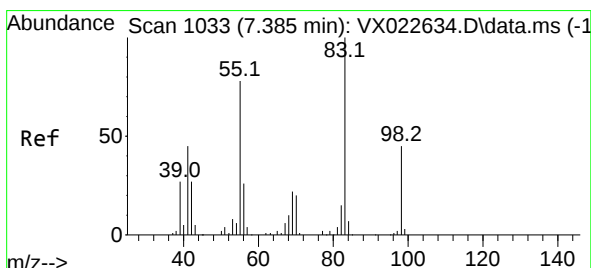
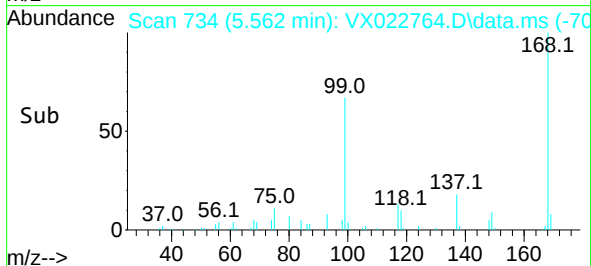
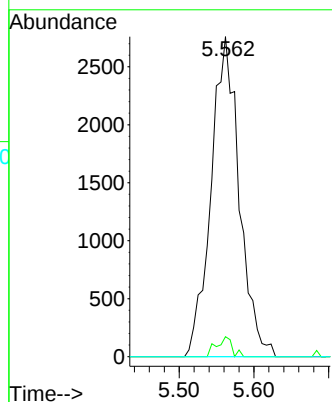


#38  
Carbon Tetrachloride  
Concen: 7.174 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.116 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

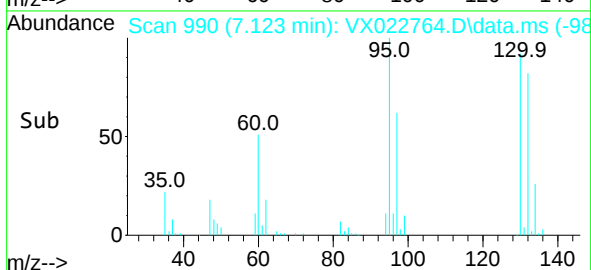
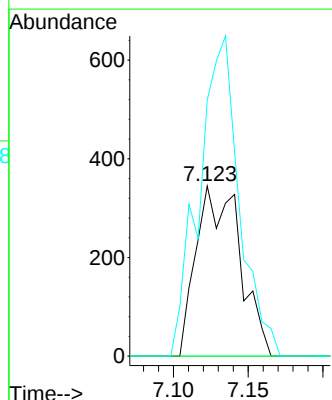
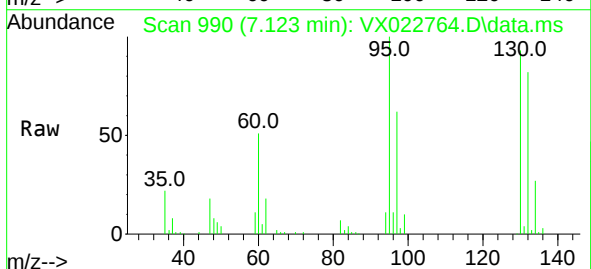


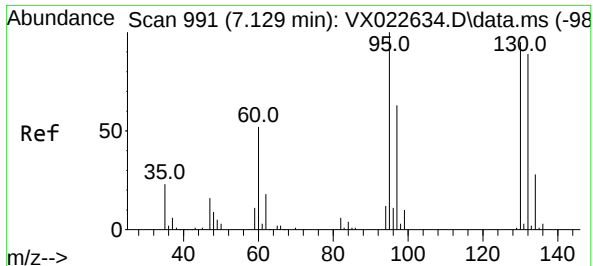
Tgt Ion:117 Resp: 7261  
Ion Ratio Lower Upper  
117 100  
119 6.2 76.2 114.2#  
121 0.0 24.8 37.2#



#39  
Methylcyclohexane  
Concen: 0.569 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.262 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Tgt Ion: 83 Resp: 702  
Ion Ratio Lower Upper  
83 100  
55 0.0 58.9 88.3#  
98 150.4 38.1 57.1#

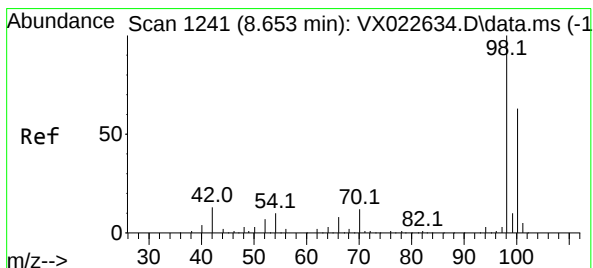
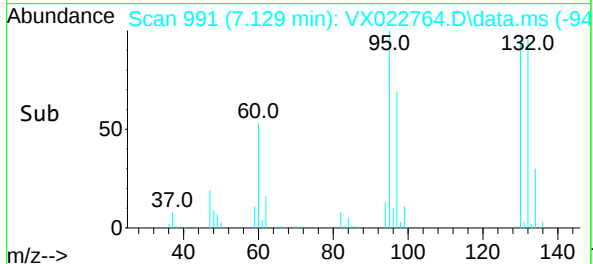
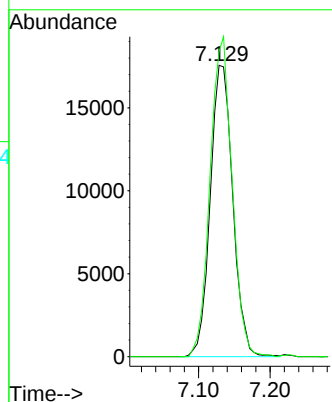
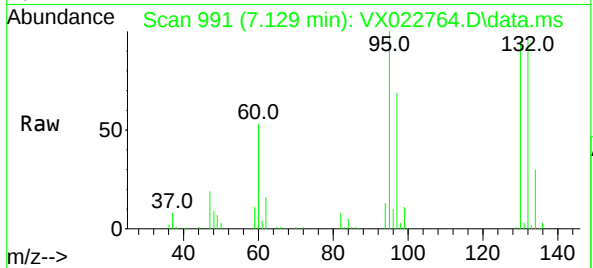




#44  
Trichloroethene  
Concen: 46.488 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

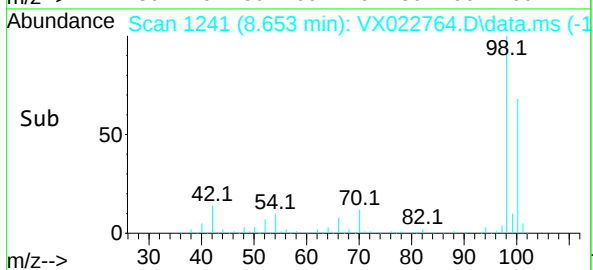
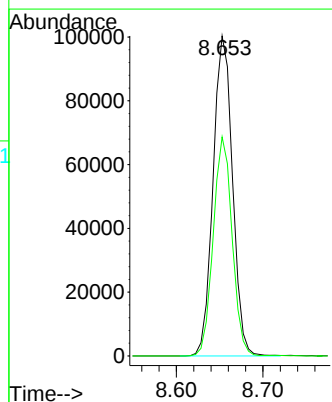
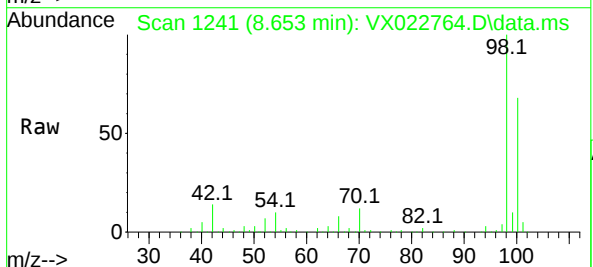
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

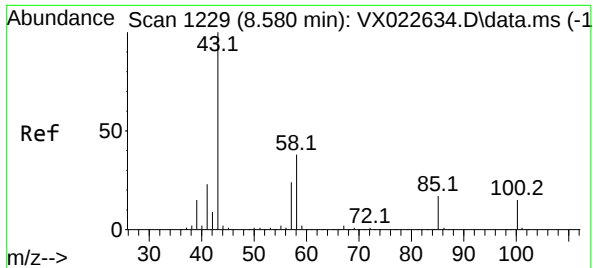
Tgt Ion:130 Resp: 38418  
Ion Ratio Lower Upper  
130 100  
95 104.7 0.0 198.0



#50  
Toluene-d8  
Concen: 52.422 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Tgt Ion: 98 Resp: 156579  
Ion Ratio Lower Upper  
98 100  
100 66.4 51.9 77.9

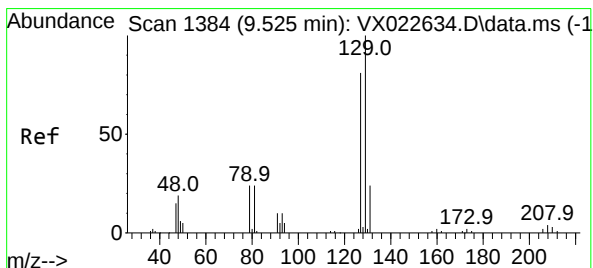
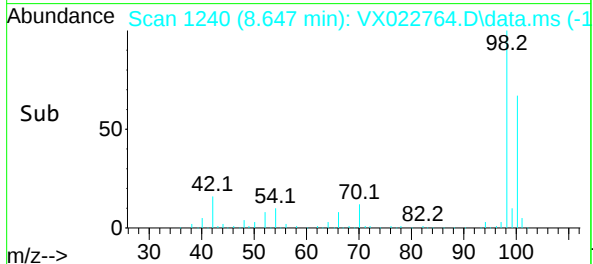
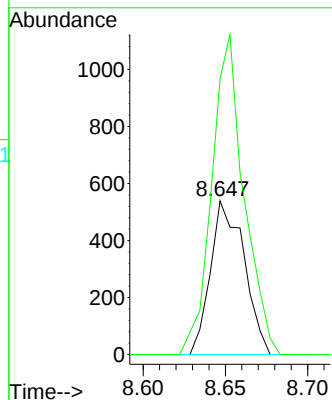
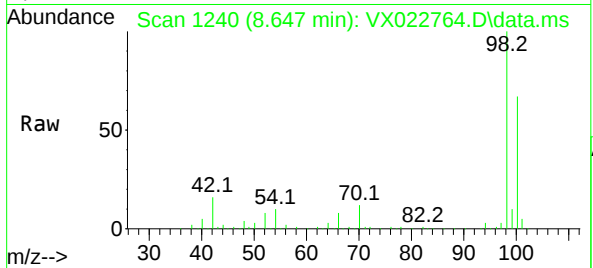




#51  
4-Methyl-2-Pentanone  
Concen: 0.507 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

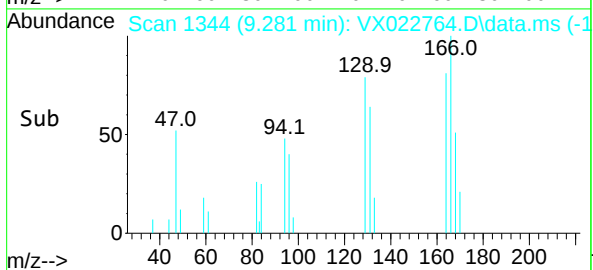
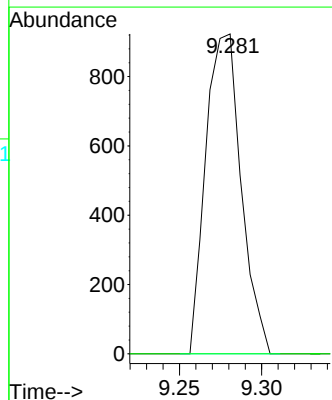
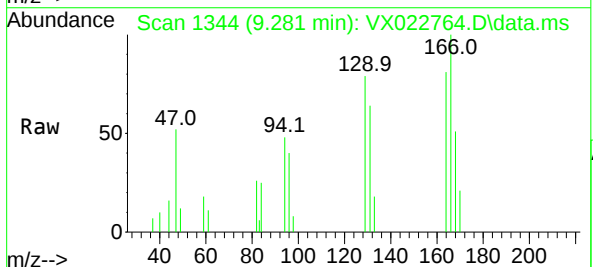
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

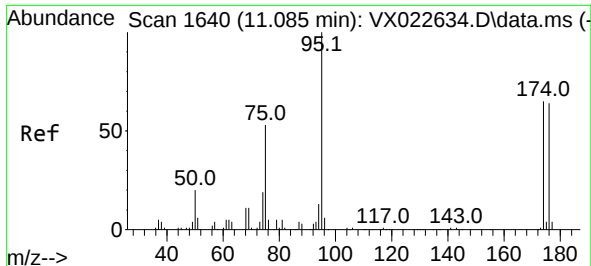
Tgt Ion: 43 Resp: 765  
Ion Ratio Lower Upper  
43 100  
58 199.6 35.4 53.0#



#60  
Dibromochloromethane  
Concen: 4.639 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. -0.244 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Tgt Ion: 129 Resp: 1382  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

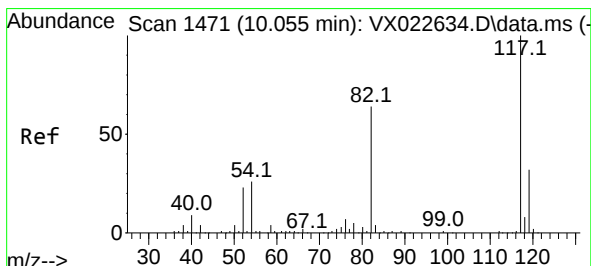
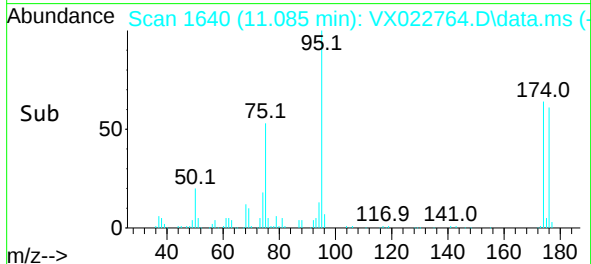
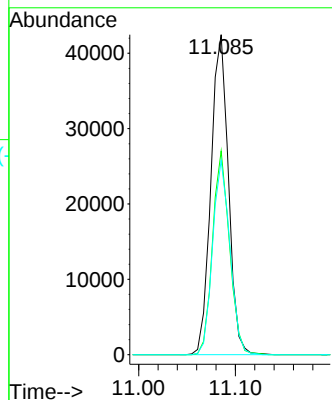
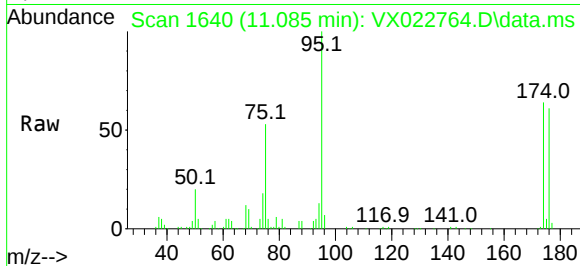




#62  
4-Bromofluorobenzene  
Concen: 47.099 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

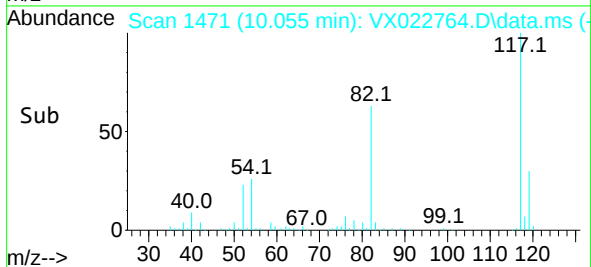
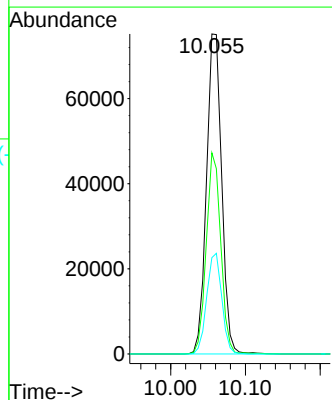
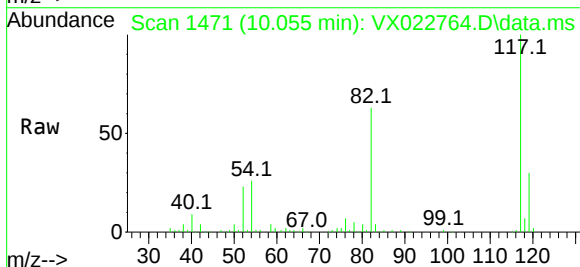
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

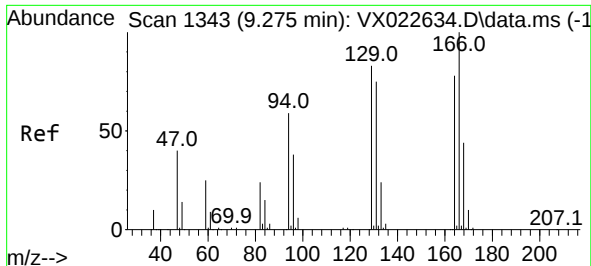
Tgt Ion: 95 Resp: 53205  
Ion Ratio Lower Upper  
95 100  
174 61.6 0.0 154.6  
176 60.2 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

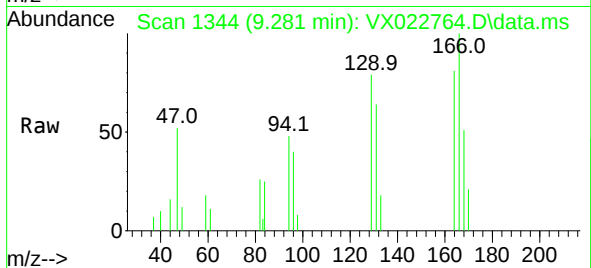
Tgt Ion: 117 Resp: 106080  
Ion Ratio Lower Upper  
117 100  
82 62.9 47.4 71.2  
119 30.1 26.6 39.8



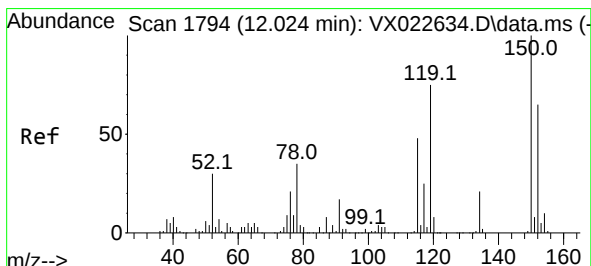
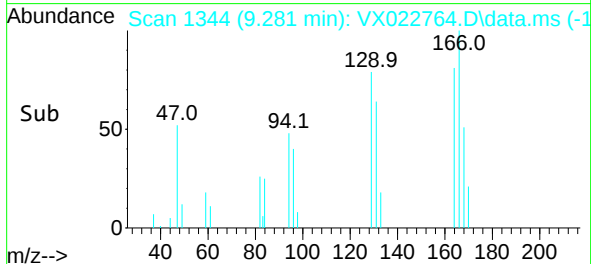
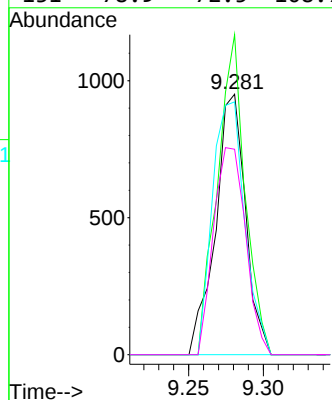


#64  
Tetrachloroethene  
Concen: 1.983 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. -0.000 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

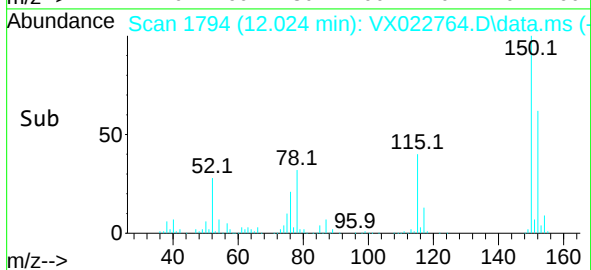
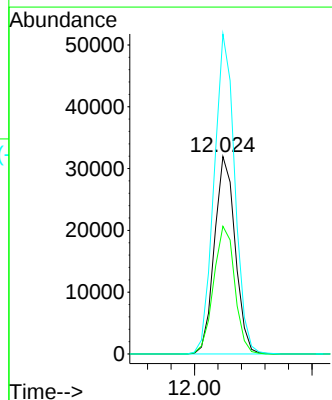
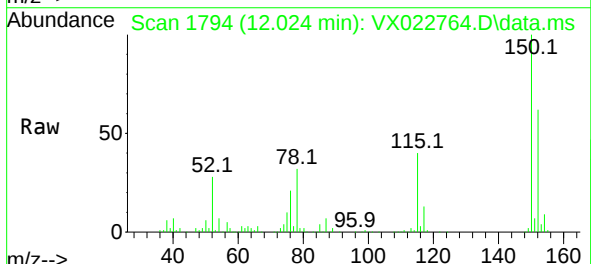


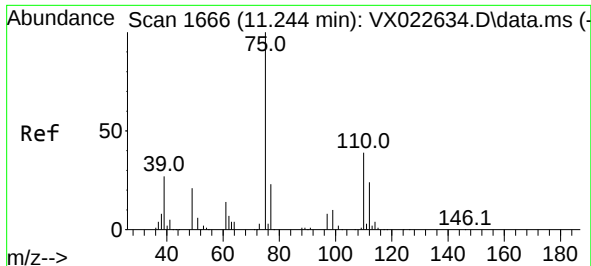
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 1330  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 122.8 | 103.4 | 155.2 |
| 129      | 97.1  | 70.8  | 106.2 |
| 131      | 78.9  | 72.5  | 108.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 39150 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 66.1  | 41.1  | 123.3 |
| 150      | 161.8 | 0.0   | 349.0 |

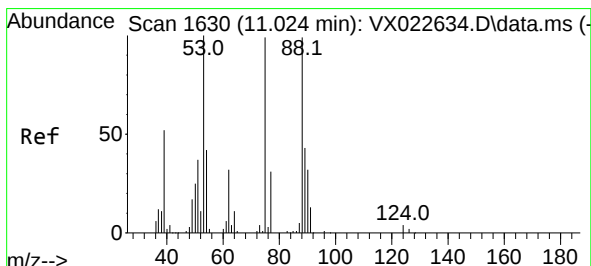
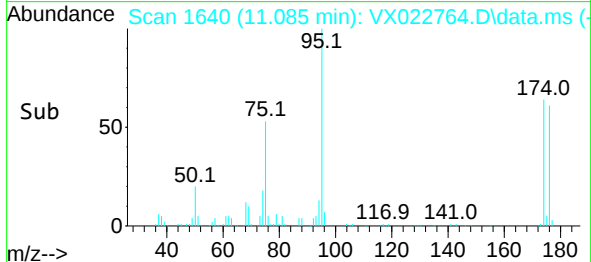
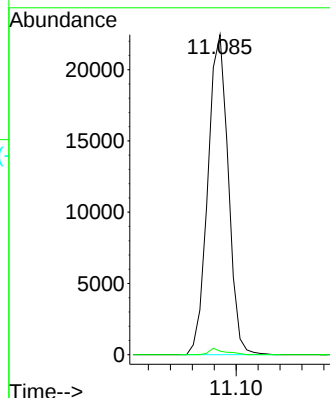
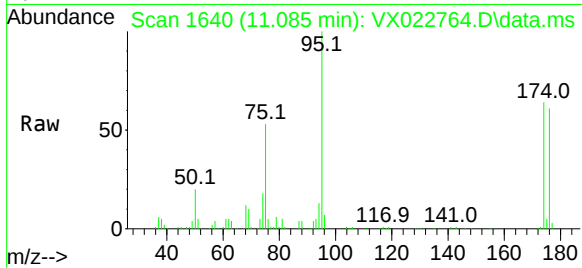




#76  
1,2,3-Trichloropropane  
Concen: 27.880 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP01-20210615DL

Tgt Ion: 75 Resp: 28940  
Ion Ratio Lower Upper  
75 100  
77 1.5 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.507 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX022764.D  
Acq: 18 Jun 2021 13:50

Tgt Ion: 75 Resp: 28940  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

