

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080521\  
 Data File : VX023553.D  
 Acq On : 04 Aug 2021 20:21  
 Operator : JC/MD  
 Sample : M3251-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Aug 05 06:10:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

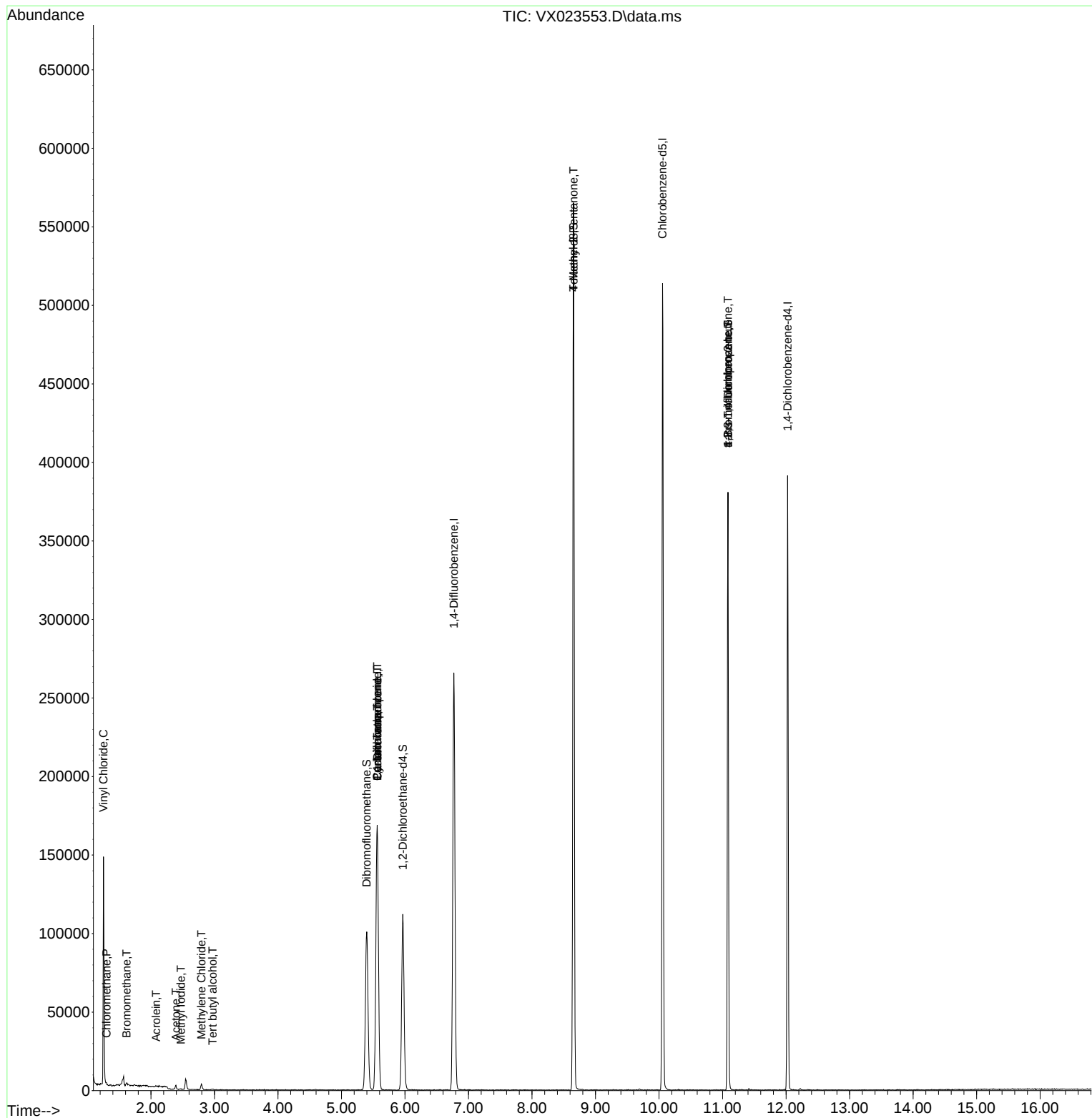
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.562     | 168   | 162444   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769     | 114   | 269278   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 232717   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 78582    | 50.000   | ug/l       | 0.00     |
|                               |           |       |          |          |            |          |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964     | 65    | 105018   | 51.826   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 103.660% |          |
| 35) Dibromofluoromethane      | 5.397     | 113   | 86661    | 51.472   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 102.940% |          |
| 50) Toluene-d8                | 8.653     | 98    | 322692   | 52.167   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 104.340% |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 95295    | 45.305   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 90.620%  |          |
|                               |           |       |          |          |            |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 3) Chloromethane              | 1.301     | 50    | 740      | 0.425    | ug/l       | 98       |
| 4) Vinyl Chloride             | 1.252     | 62    | 1135     | 0.644    | ug/l #     | 83       |
| 5) Bromomethane               | 1.618     | 94    | 926      | 0.885    | ug/l #     | 66       |
| 10) Methyl Iodide             | 2.471     | 142   | 734      | 0.364    | ug/l #     | 88       |
| 11) Tert butyl alcohol        | 2.971     | 59    | 466      | 1.007    | ug/l #     | 73       |
| 13) Acrolein                  | 2.081     | 56    | 41       | 1.537    | ug/l #     | 1        |
| 16) Acetone                   | 2.392     | 43    | 2372     | 2.386    | ug/l #     | 74       |
| 20) Methylene Chloride        | 2.794     | 84    | 1562     | 0.808    | ug/l       | 94       |
| 31) Cyclohexane               | 5.562     | 56    | 3442     | 1.147    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.562     | 75    | 12344    | 5.068    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.562     | 117   | 16062    | 6.484    | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.653     | 43    | 1498     | 0.515    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085    | 75    | 49322    | 28.522   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085    | 75    | 49322    | 76.693   | ug/l #     | 12       |
| -----                         |           |       |          |          |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080521\  
Data File : VX023553.D  
Acq On : 04 Aug 2021 20:21  
Operator : JC/MD  
Sample : M3251-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Quant Time: Aug 05 06:10:02 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:05:38 2021  
Response via : Initial Calibration

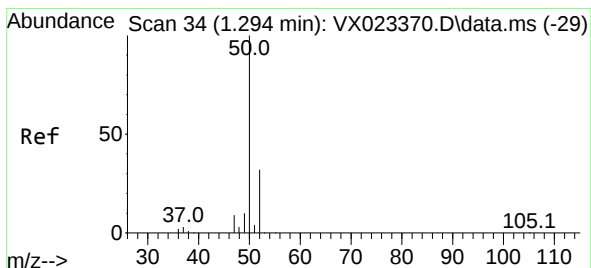
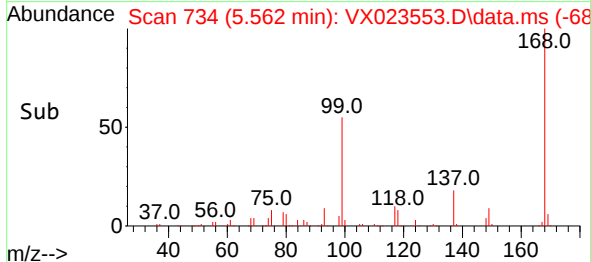
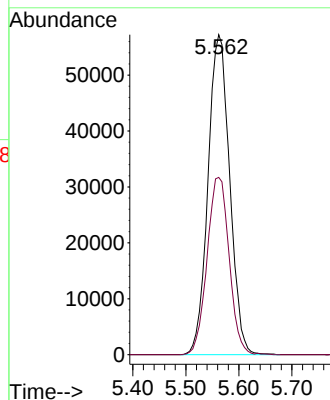
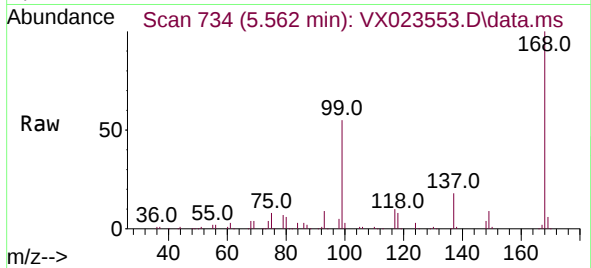




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

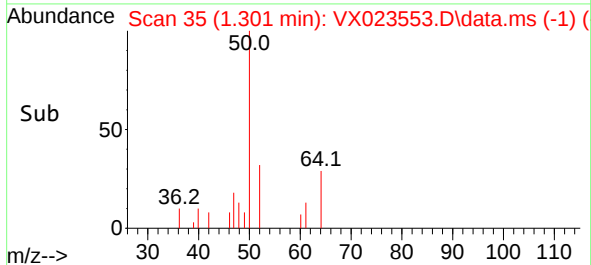
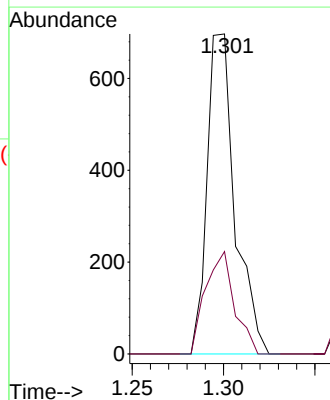
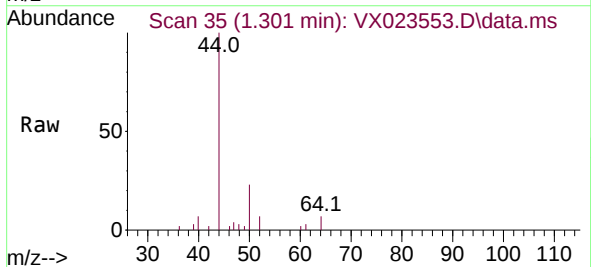
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

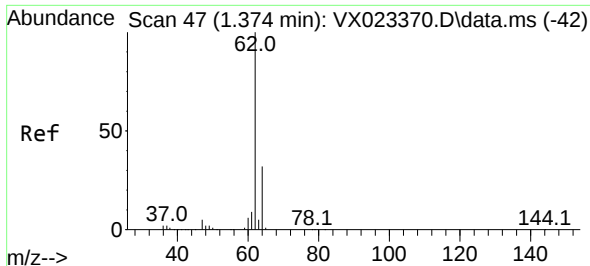
Tgt Ion:168 Resp: 162444  
Ion Ratio Lower Upper  
168 100  
99 55.4 45.8 68.6



#3  
Chloromethane  
Concen: 0.425 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Tgt Ion: 50 Resp: 740  
Ion Ratio Lower Upper  
50 100  
52 32.0 26.4 39.6

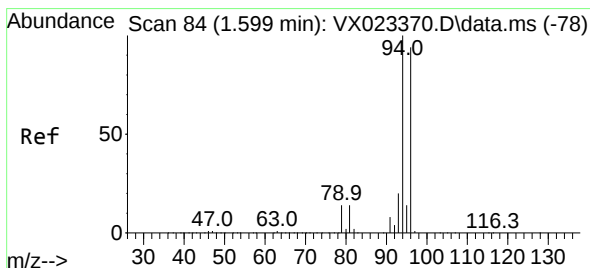
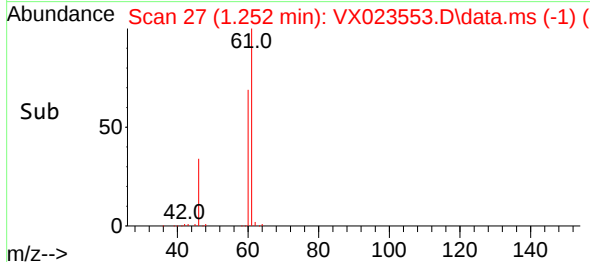
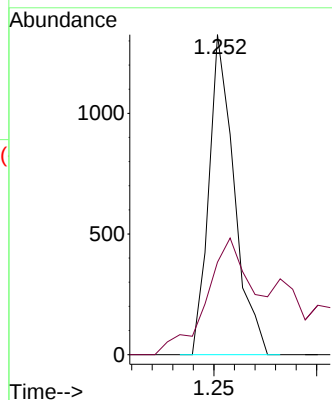
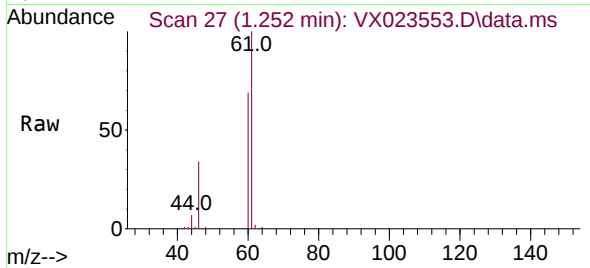




#4  
 Vinyl Chloride  
 Concen: 0.644 ug/l  
 RT: 1.252 min Scan# 27  
 Delta R.T. -0.122 min  
 Lab File: VX023553.D  
 Acq: 04 Aug 2021 20:21

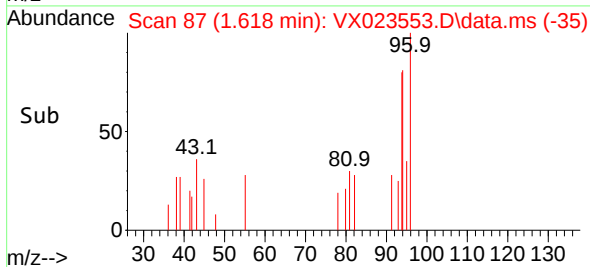
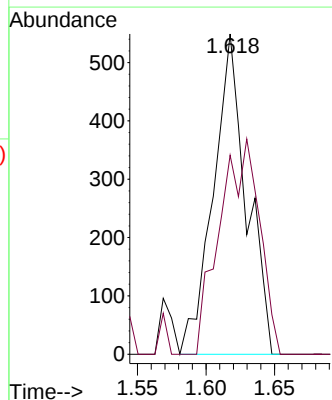
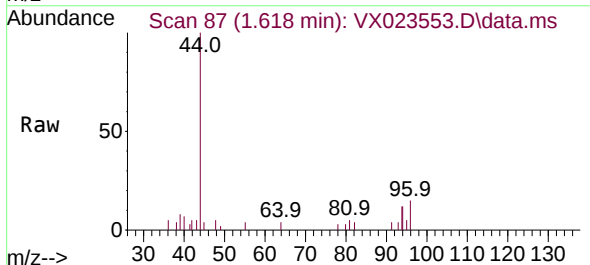
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

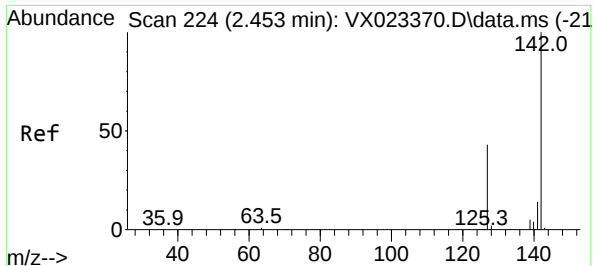
Tgt Ion: 62 Resp: 1135  
 Ion Ratio Lower Upper  
 62 100  
 64 22.6 25.7 38.5#



#5  
 Bromomethane  
 Concen: 0.885 ug/l  
 RT: 1.618 min Scan# 87  
 Delta R.T. 0.019 min  
 Lab File: VX023553.D  
 Acq: 04 Aug 2021 20:21

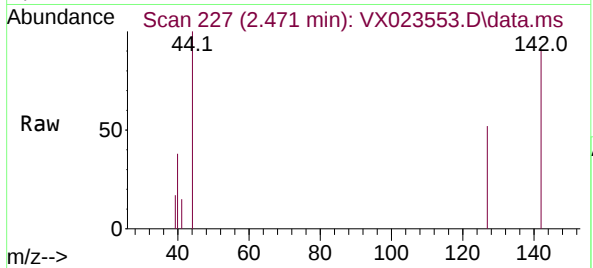
Tgt Ion: 94 Resp: 926  
 Ion Ratio Lower Upper  
 94 100  
 96 62.1 76.4 114.6#



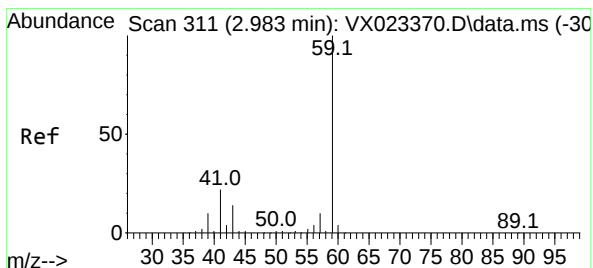
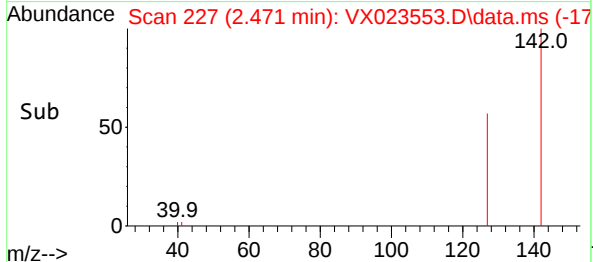
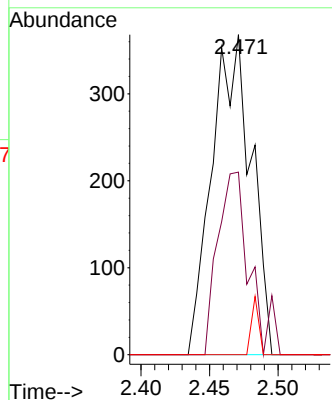


#10  
Methyl Iodide  
Concen: 0.364 ug/l  
RT: 2.471 min Scan# 227  
Delta R.T. 0.018 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

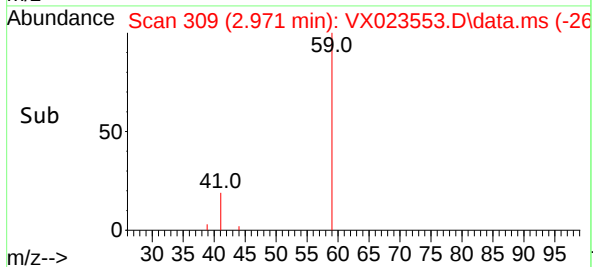
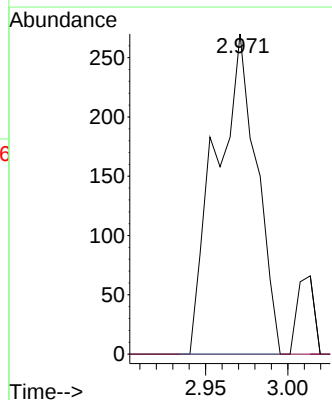
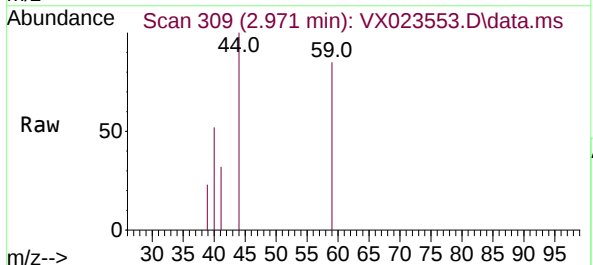


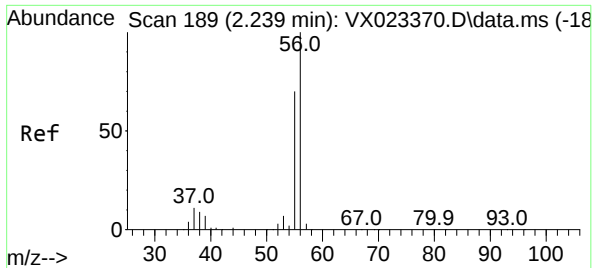
Tgt Ion:142 Resp: 734  
Ion Ratio Lower Upper  
142 100  
127 46.3 33.3 49.9  
141 3.4 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 1.007 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.012 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Tgt Ion: 59 Resp: 466  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

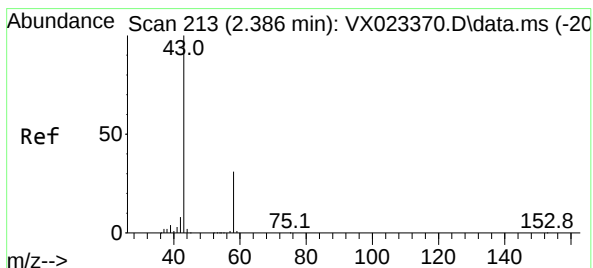
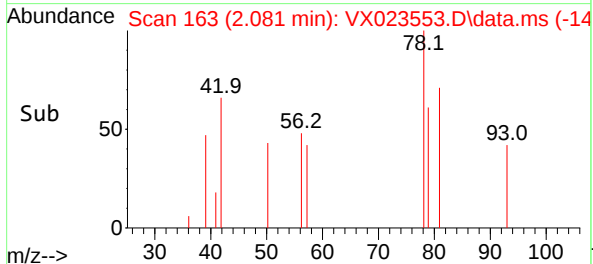
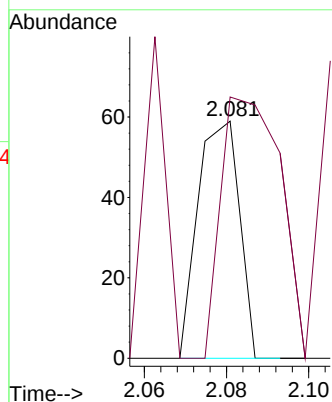
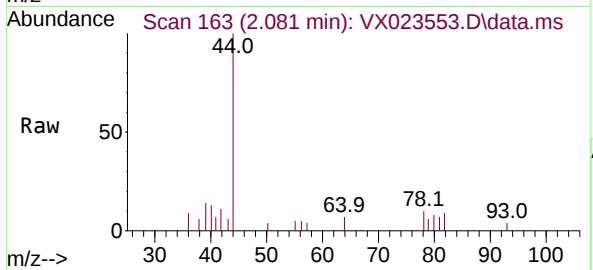




#13  
Acrolein  
Concen: 1.537 ug/l  
RT: 2.081 min Scan# 163  
Delta R.T. -0.158 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

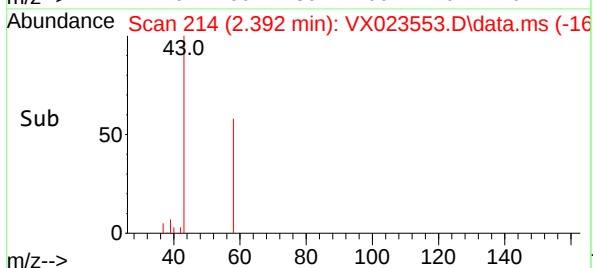
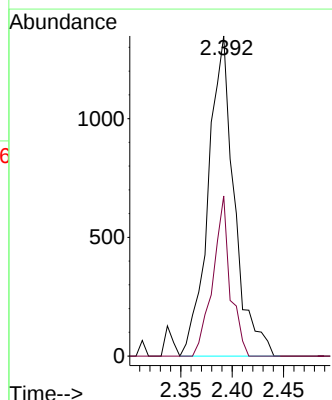
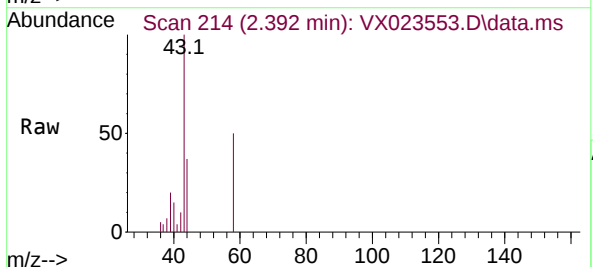
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

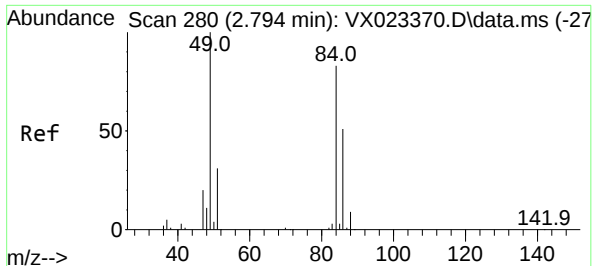
Tgt Ion: 56 Resp: 41  
Ion Ratio Lower Upper  
56 100  
55 158.5 56.4 84.6#



#16  
Acetone  
Concen: 2.386 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Tgt Ion: 43 Resp: 2372  
Ion Ratio Lower Upper  
43 100  
58 50.0 27.8 41.8#

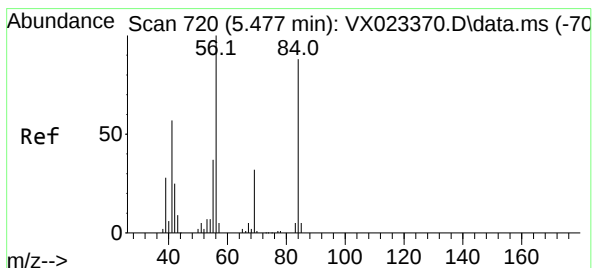
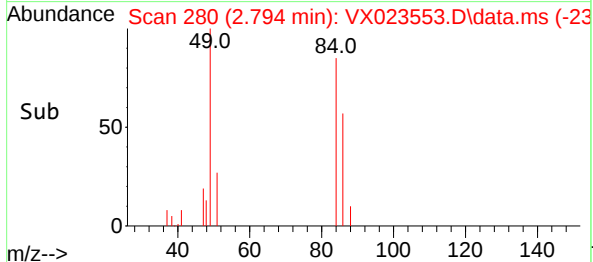
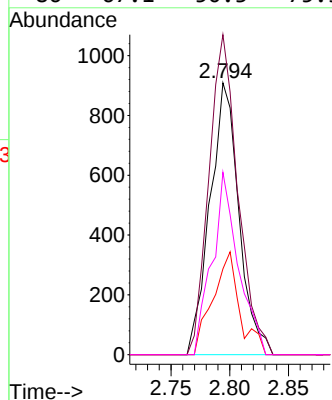
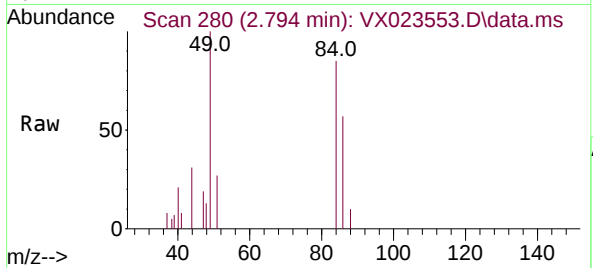




#20  
Methylene Chloride  
Concen: 0.808 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

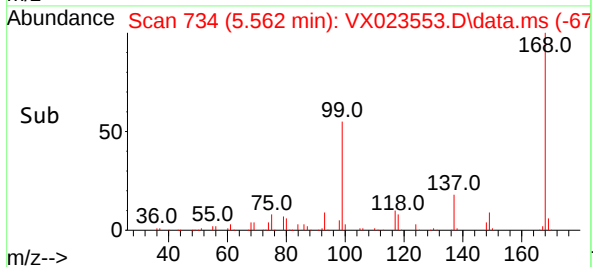
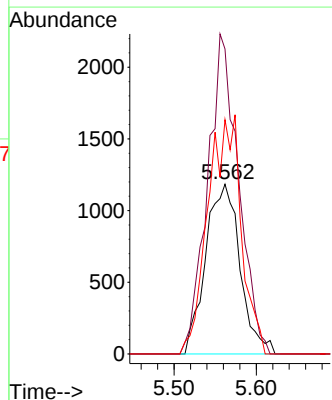
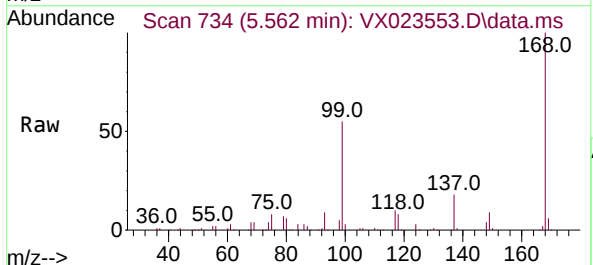
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

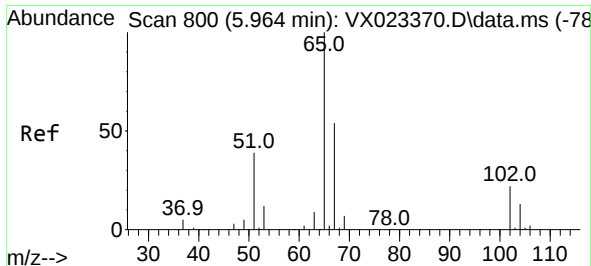
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1562  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.7 | 88.6  | 132.8 |
| 51       | 31.6  | 27.0  | 40.6  |
| 86       | 67.1  | 50.3  | 75.5  |



#31  
Cyclohexane  
Concen: 1.147 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3442   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 179.6 | 25.3  | 37.9#  |
| 84       | 138.0 | 71.4  | 107.0# |



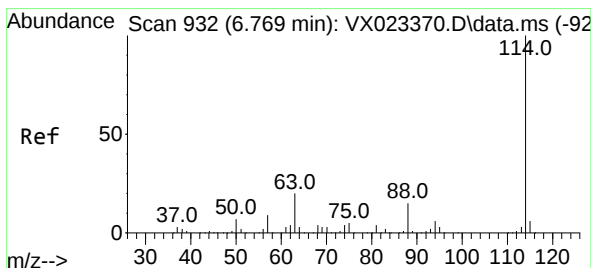
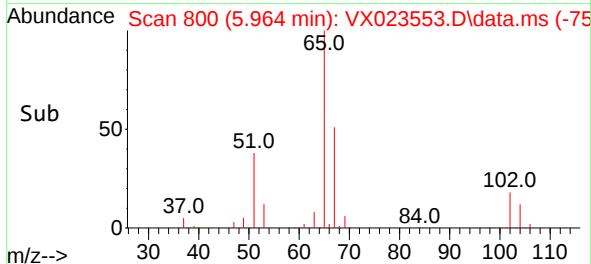
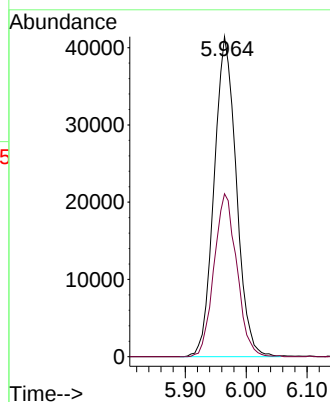
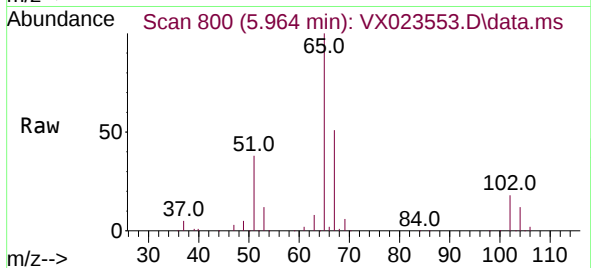


#33

1,2-Dichloroethane-d4  
Concen: 51.826 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

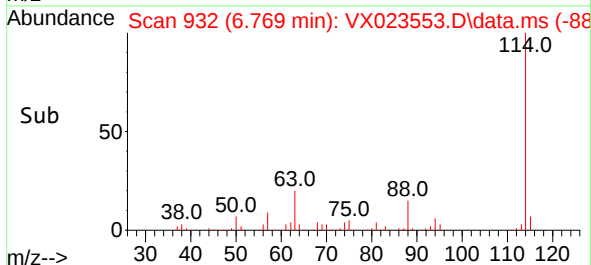
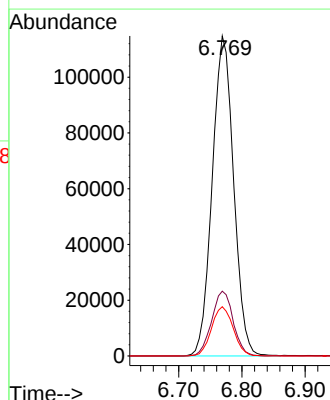
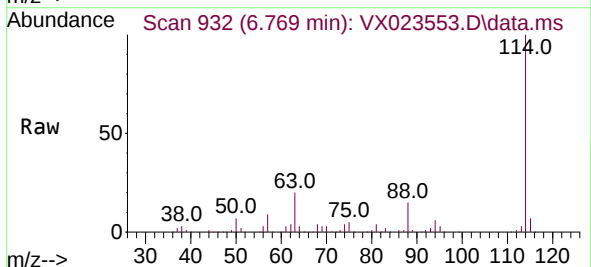
Tgt Ion: 65 Resp: 105018  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 105.4

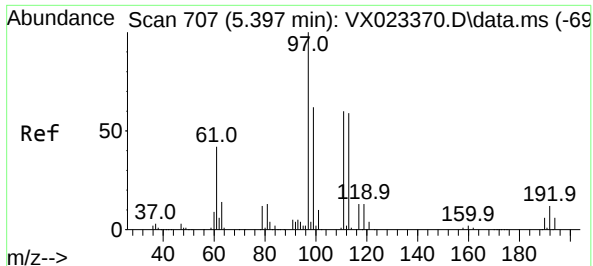


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Tgt Ion: 114 Resp: 269278  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 40.8  
88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.472 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023553.D

Acq: 04 Aug 2021 20:21

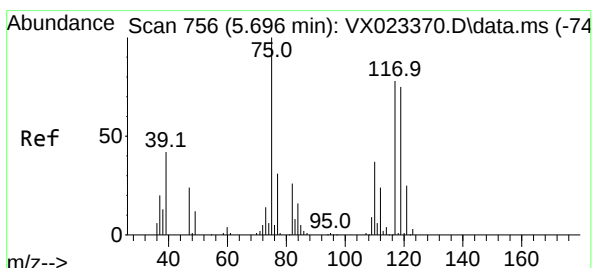
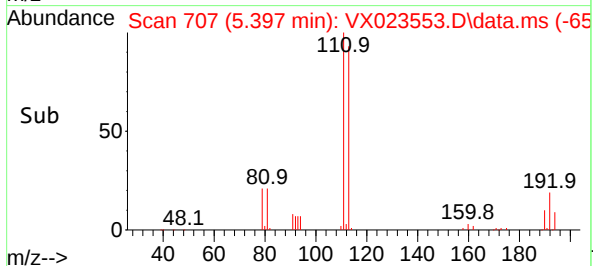
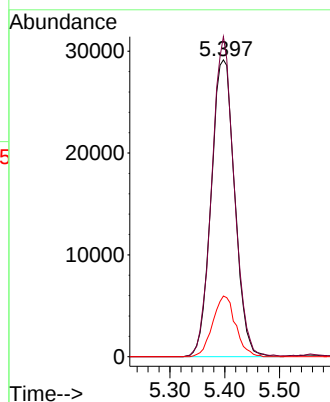
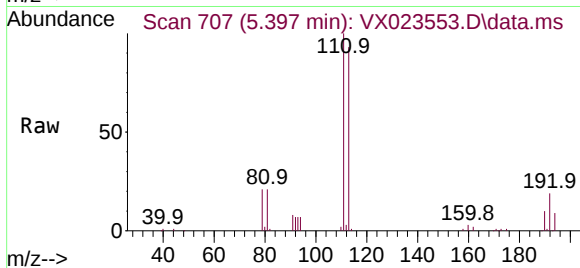
Tgt Ion:113 Resp: 86661

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 19.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.068 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023553.D

Acq: 04 Aug 2021 20:21

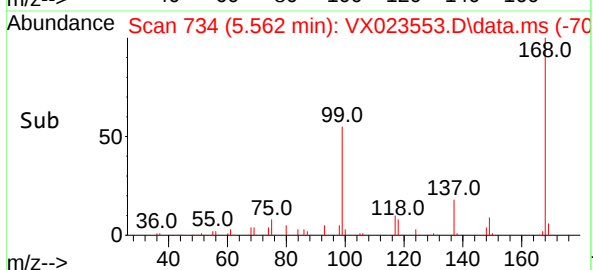
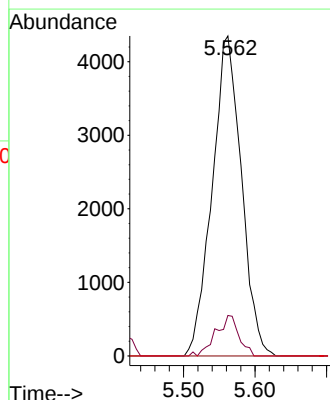
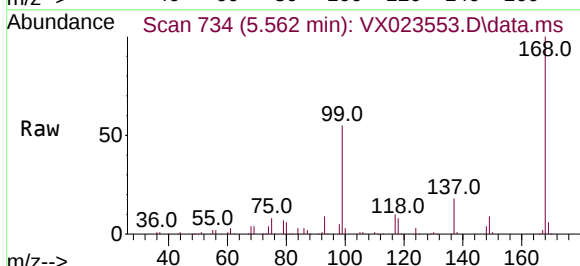
Tgt Ion: 75 Resp: 12344

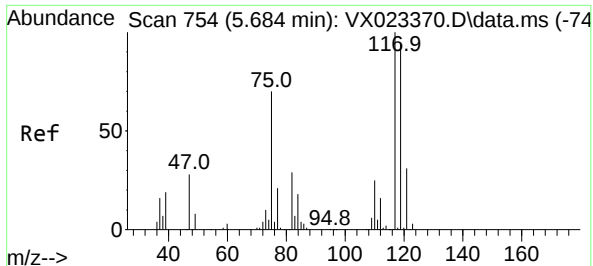
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

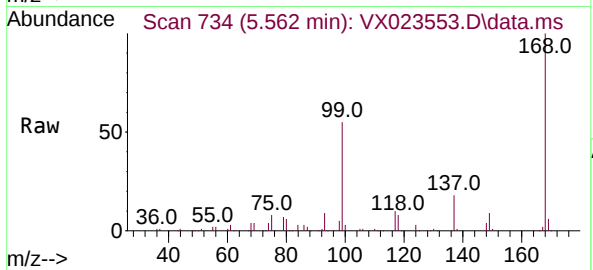
77 0.0 25.3 37.9#



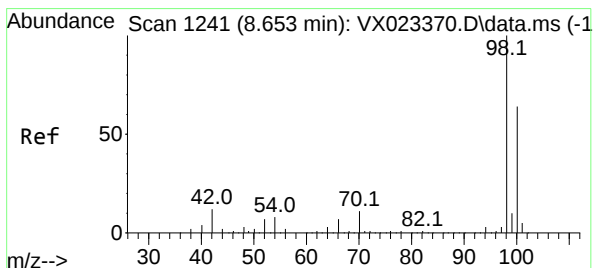
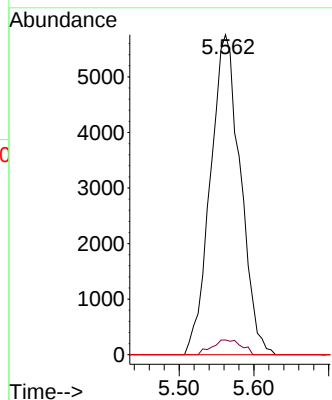
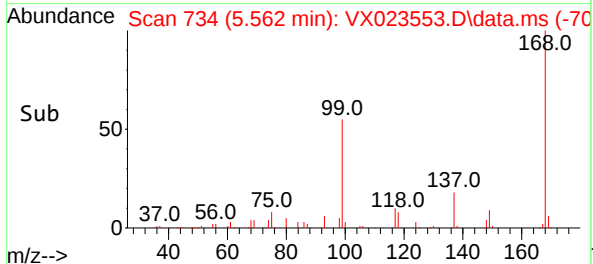


#38  
Carbon Tetrachloride  
Concen: 6.484 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

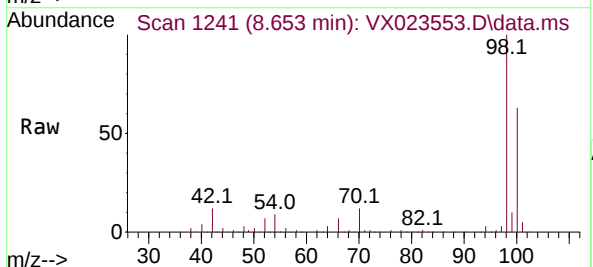
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA



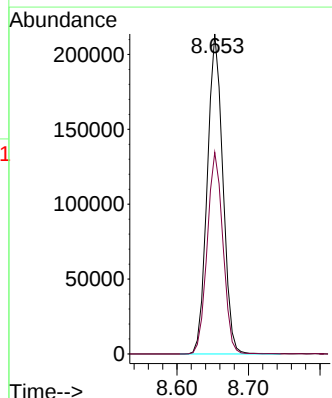
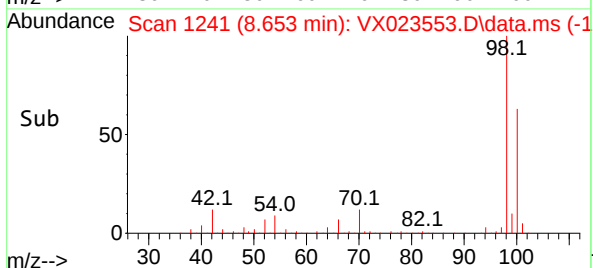
Tgt Ion:117 Resp: 16062  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.2 114.2#  
121 0.0 24.8 37.2#

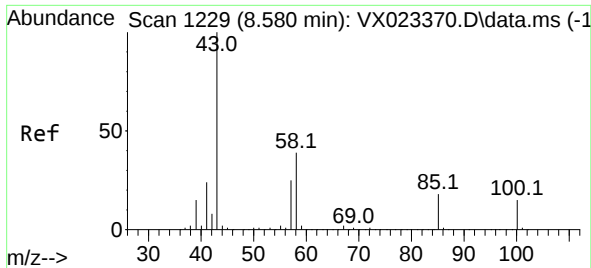


#50  
Toluene-d8  
Concen: 52.167 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21



Tgt Ion: 98 Resp: 322692  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.9 77.9

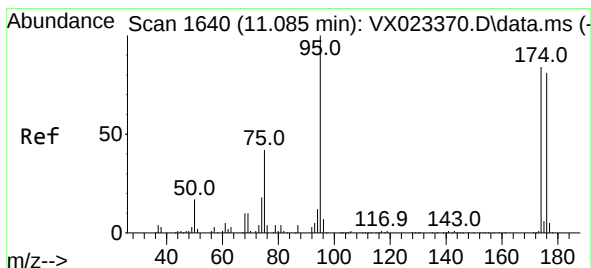
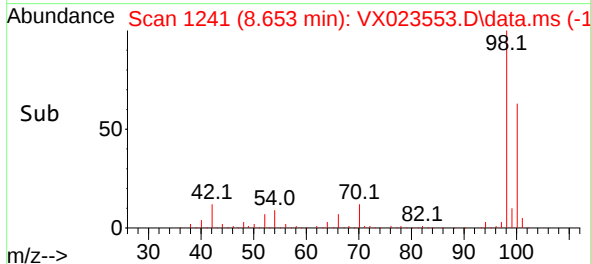
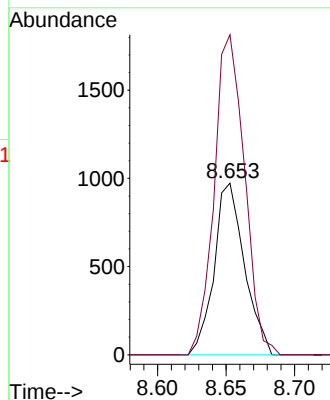
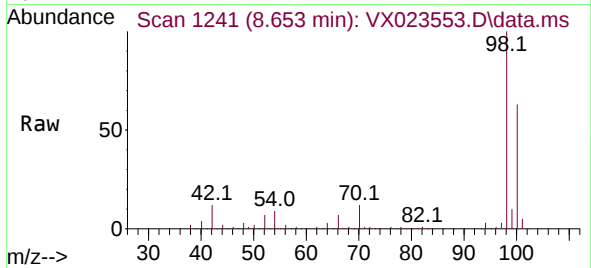




#51  
4-Methyl-2-Pentanone  
Concen: 0.515 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

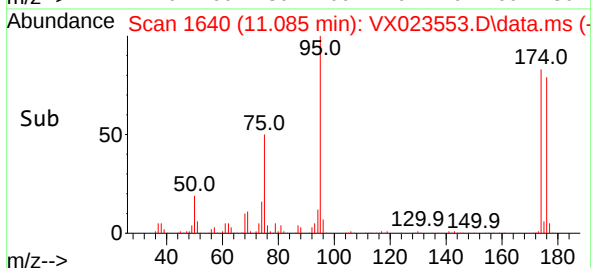
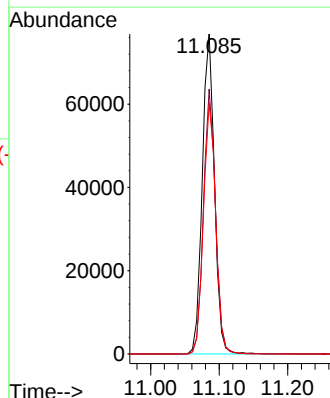
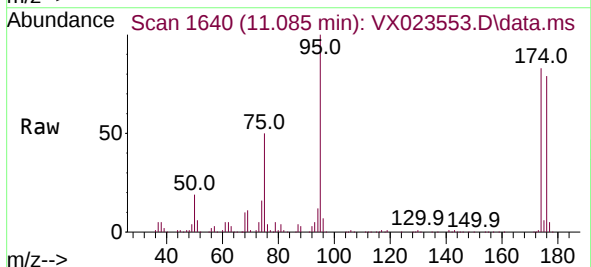
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

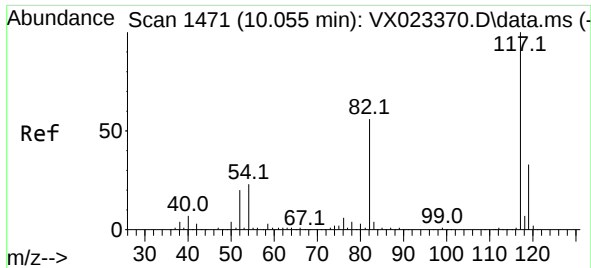
Tgt Ion: 43 Resp: 1498  
Ion Ratio Lower Upper  
43 100  
58 186.3 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 45.305 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Tgt Ion: 95 Resp: 95295  
Ion Ratio Lower Upper  
95 100  
174 81.7 0.0 154.6  
176 78.8 0.0 155.8

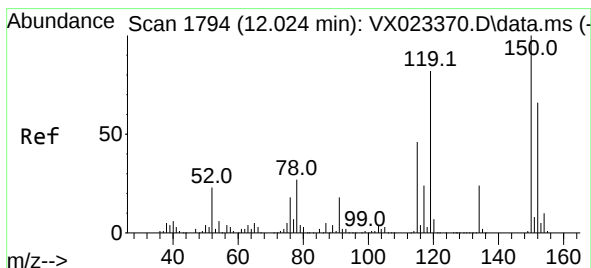
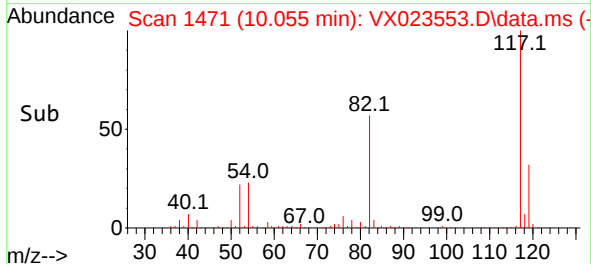
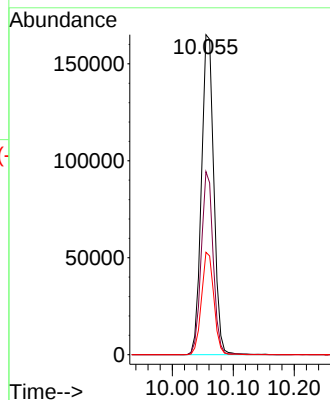
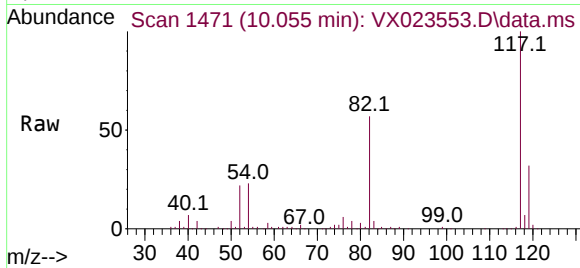




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

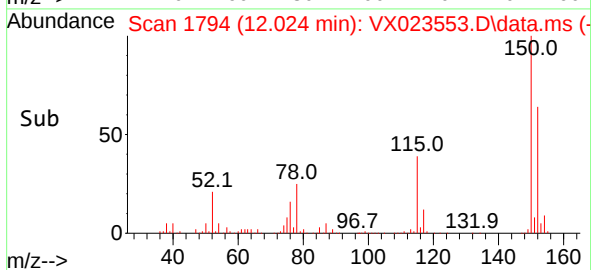
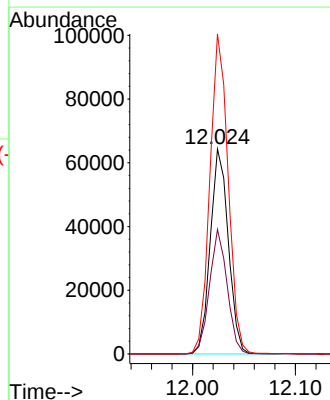
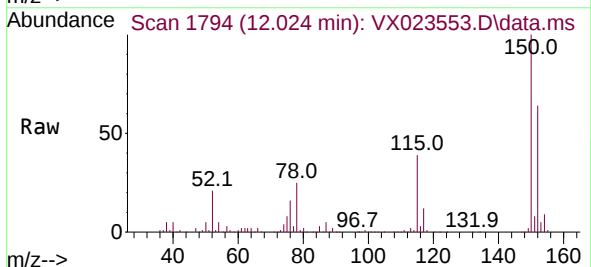
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

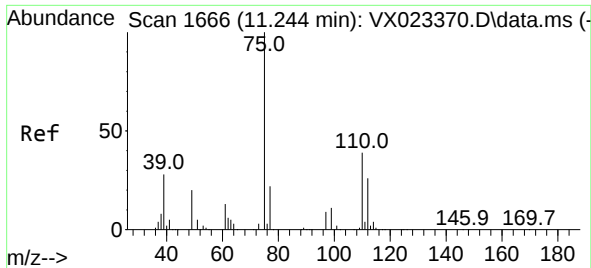
Tgt Ion:117 Resp: 232717  
Ion Ratio Lower Upper  
117 100  
82 57.2 47.4 71.2  
119 32.0 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Tgt Ion:152 Resp: 78582  
Ion Ratio Lower Upper  
152 100  
115 59.3 41.1 123.3  
150 157.5 0.0 349.0

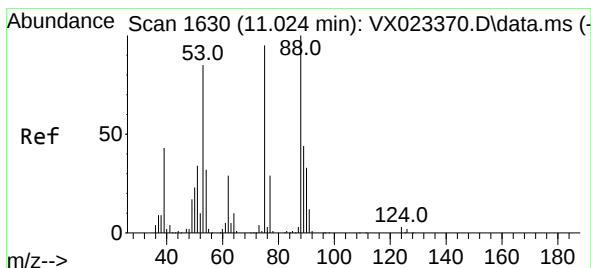
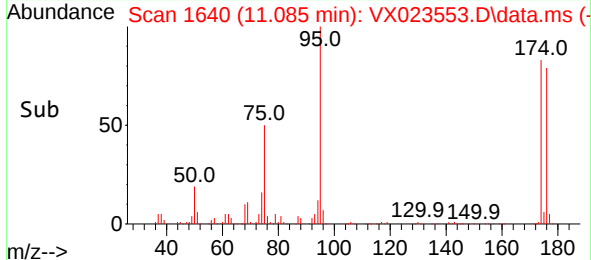
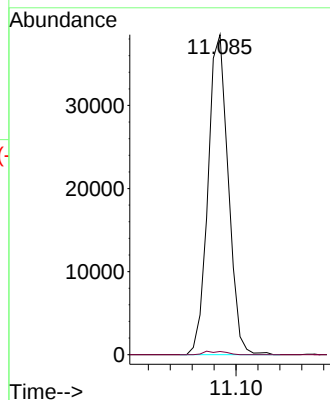
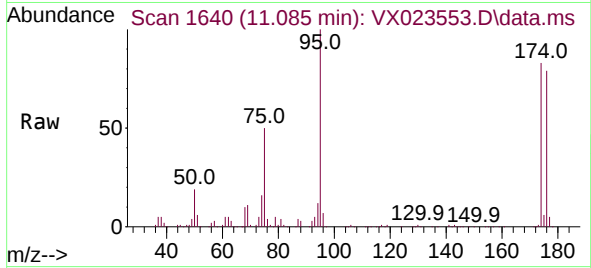




#76  
1,2,3-Trichloropropane  
Concen: 28.522 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 49322  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.693 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023553.D  
Acq: 04 Aug 2021 20:21

Tgt Ion: 75 Resp: 49322  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

