

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072321\  
 Data File : VX023417.D  
 Acq On : 23 Jul 2021 11:52  
 Operator : JC/MD  
 Sample : M3145-02 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 24 03:44:02 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  | 169073   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 284418   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 244140   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 97568    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 107690   | 51.061   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 102.120% |      |
| 35) Dibromofluoromethane    | 5.397  | 113   | 90580    | 50.936   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 101.880% |      |
| 50) Toluene-d8              | 8.653  | 98    | 331292   | 50.706   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 101.420% |      |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 105371   | 47.429   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 94.860%  |      |

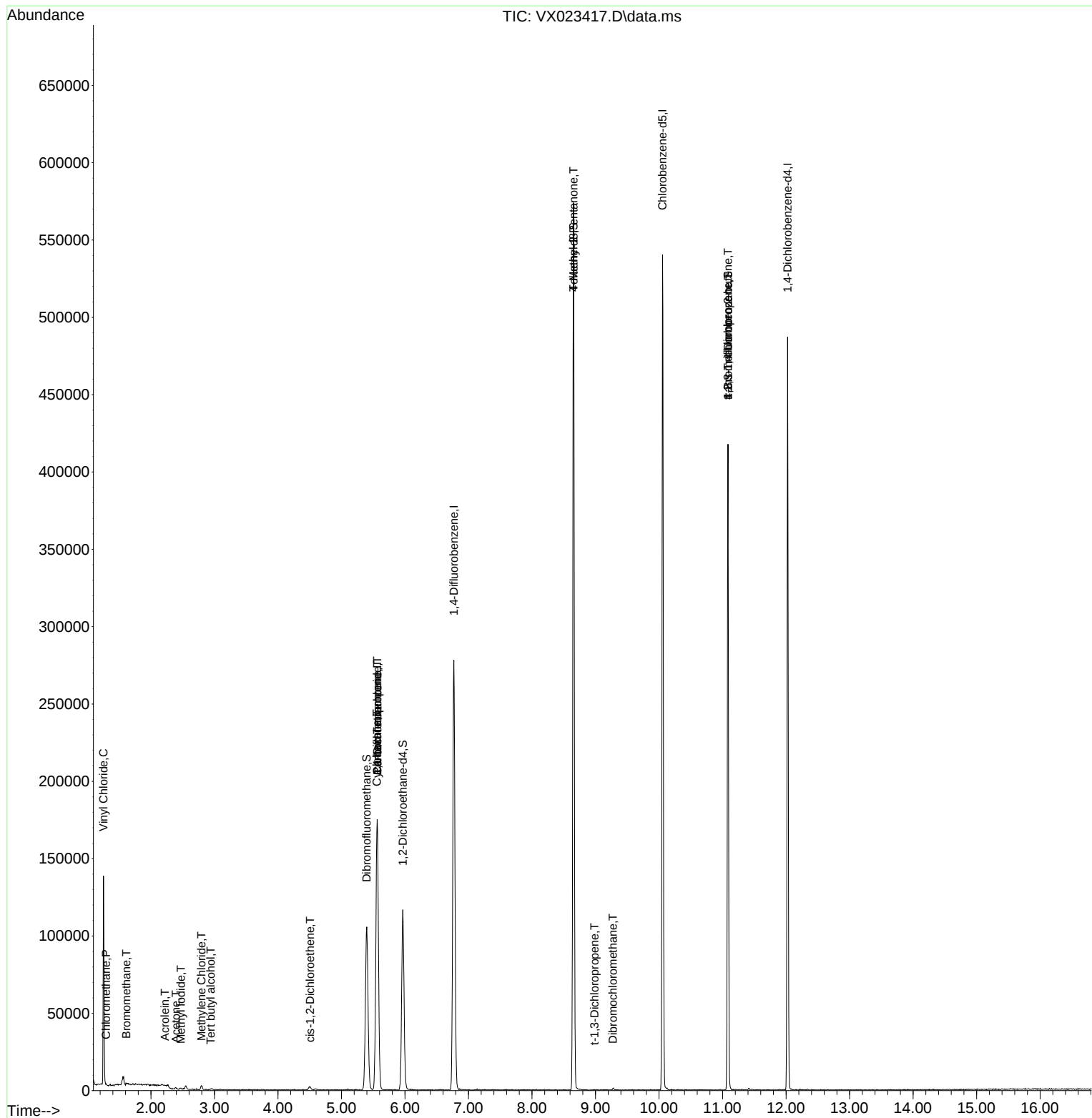
|                               |        |     |       |        |        |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| Target Compounds              |        |     |       | Qvalue |        |    |
| 3) Chloromethane              | 1.294  | 50  | 443   | 0.244  | ug/l # | 86 |
| 4) Vinyl Chloride             | 1.252  | 62  | 1053  | 0.574  | ug/l # | 60 |
| 5) Bromomethane               | 1.611  | 94  | 785   | 0.721  | ug/l # | 62 |
| 10) Methyl Iodide             | 2.471  | 142 | 1267  | 0.604  | ug/l # | 78 |
| 11) Tert butyl alcohol        | 2.940  | 59  | 159   | 0.330  | ug/l # | 73 |
| 13) Acrolein                  | 2.221  | 56  | 56    | 1.591  | ug/l # | 1  |
| 16) Acetone                   | 2.392  | 43  | 1320  | 1.276  | ug/l # | 83 |
| 20) Methylene Chloride        | 2.794  | 84  | 1272  | 0.632  | ug/l # | 90 |
| 27) cis-1,2-Dichloroethene    | 4.507  | 96  | 1366  | 0.667  | ug/l # | 5  |
| 31) Cyclohexane               | 5.556  | 56  | 3605  | 1.154  | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 5.562  | 75  | 12327 | 4.791  | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 5.562  | 117 | 17050 | 6.516  | ug/l # | 17 |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43  | 1605  | 0.522  | ug/l # | 1  |
| 53) t-1,3-Dichloropropene     | 8.982  | 75  | 78    | 1.841  | ug/l # | 44 |
| 60) Dibromochloromethane      | 9.275  | 129 | 99    | 2.028  | ug/l # | 11 |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75  | 53881 | 25.095 | ug/l # | 39 |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75  | 53881 | 67.478 | ug/l # | 12 |

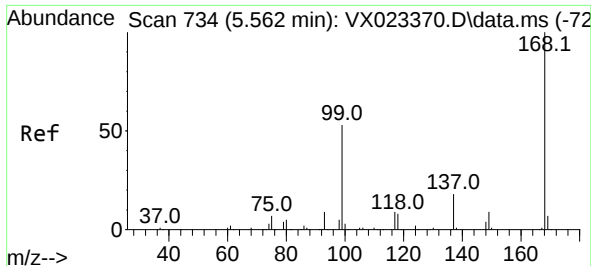
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072321\  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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ClientSampleId :

Quant Time: Jul 24 03:44:02 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

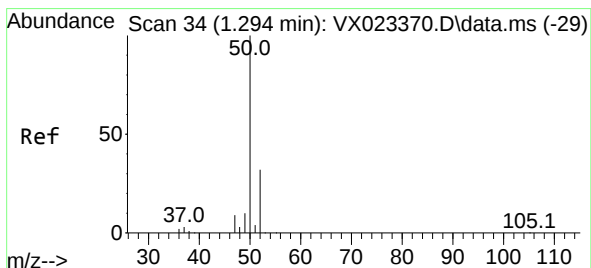
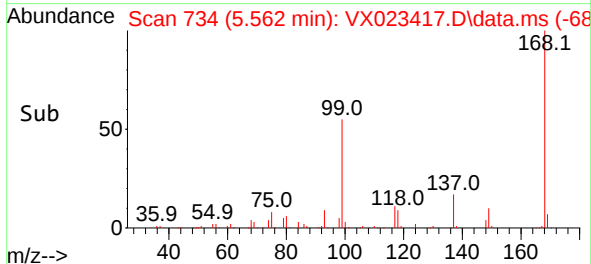
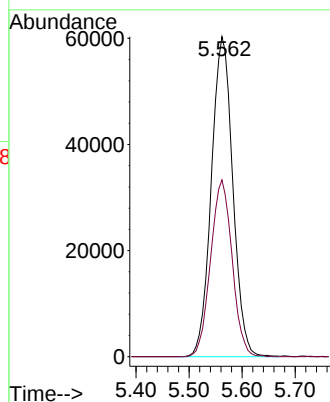
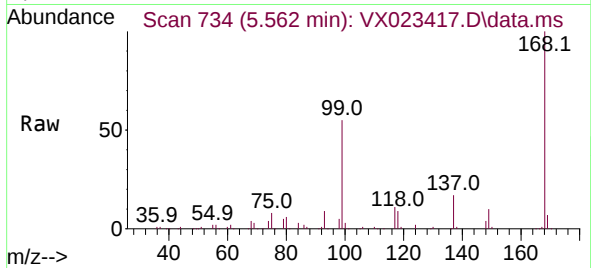




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

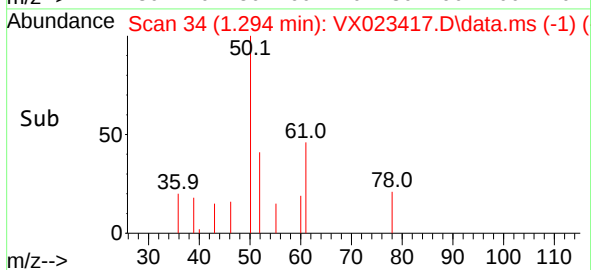
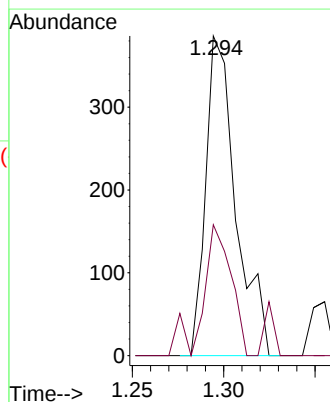
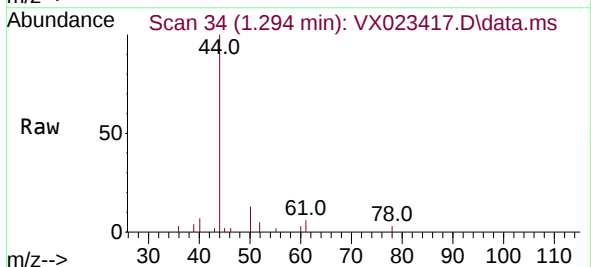
Instrument :  
MSVOA\_X  
ClientSampleId :

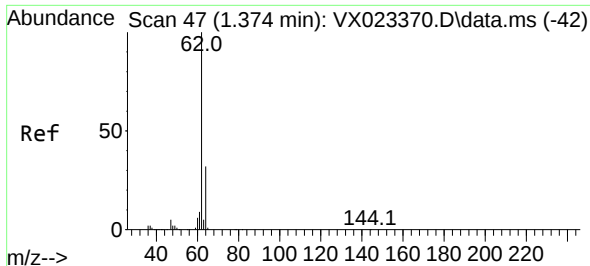
Tgt Ion:168 Resp: 169073  
Ion Ratio Lower Upper  
168 100  
99 55.3 45.8 68.6



#3  
Chloromethane  
Concen: 0.244 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

Tgt Ion: 50 Resp: 443  
Ion Ratio Lower Upper  
50 100  
52 40.9 26.4 39.6#

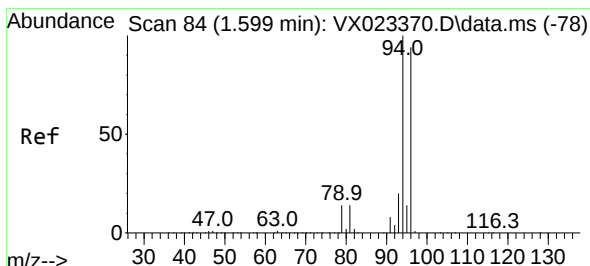
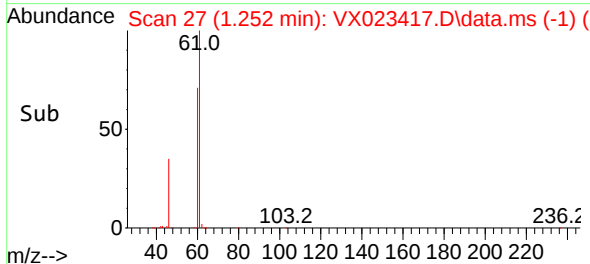
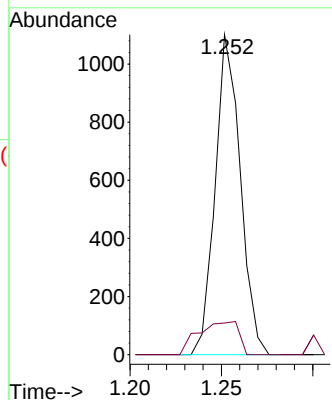
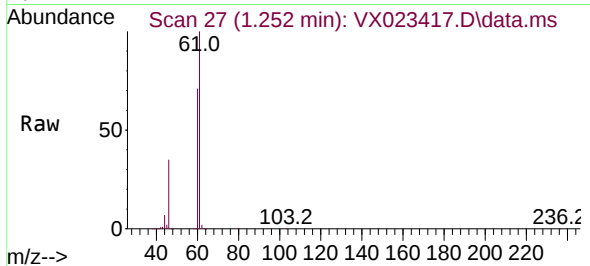




#4  
 Vinyl Chloride  
 Concen: 0.574 ug/l  
 RT: 1.252 min Scan# 27  
 Delta R.T. -0.122 min  
 Lab File: VX023417.D  
 Acq: 23 Jul 2021 11:52

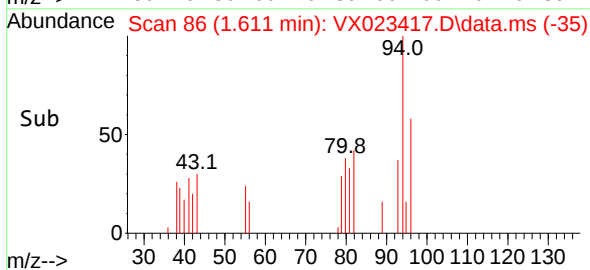
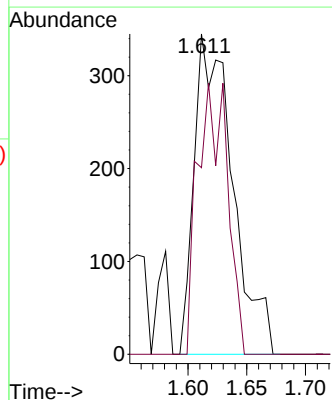
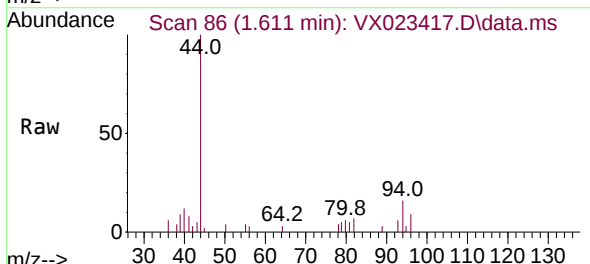
Instrument :  
 MSVOA\_X  
 ClientSampled :

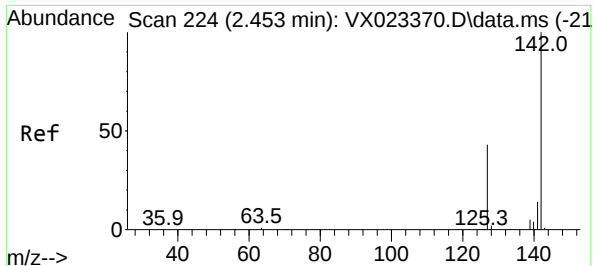
Tgt Ion: 62 Resp: 1053  
 Ion Ratio Lower Upper  
 62 100  
 64 9.9 25.7 38.5#



#5  
 Bromomethane  
 Concen: 0.721 ug/l  
 RT: 1.611 min Scan# 86  
 Delta R.T. 0.012 min  
 Lab File: VX023417.D  
 Acq: 23 Jul 2021 11:52

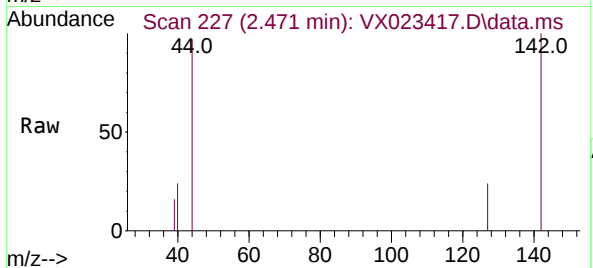
Tgt Ion: 94 Resp: 785  
 Ion Ratio Lower Upper  
 94 100  
 96 58.3 76.4 114.6#



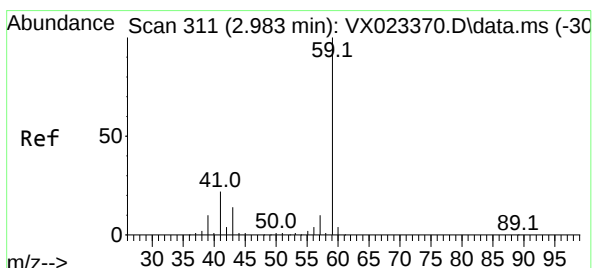
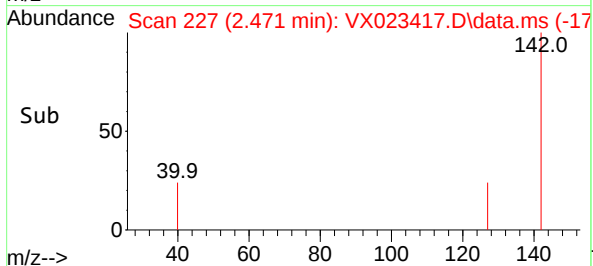
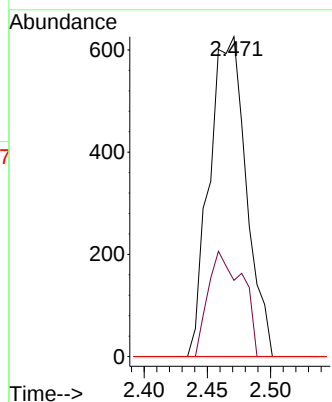


#10  
Methyl Iodide  
Concen: 0.604 ug/l  
RT: 2.471 min Scan# 227  
Delta R.T. 0.018 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

Instrument :  
MSVOA\_X  
ClientSampleId :

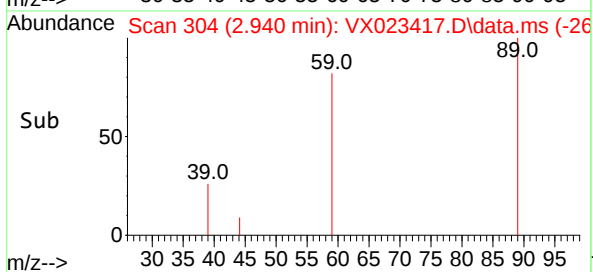
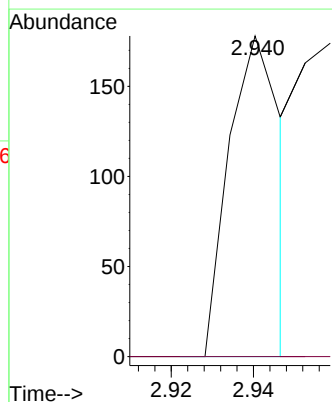
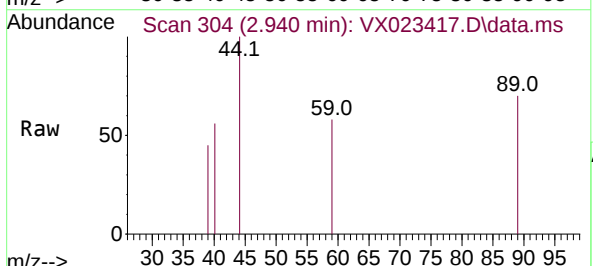


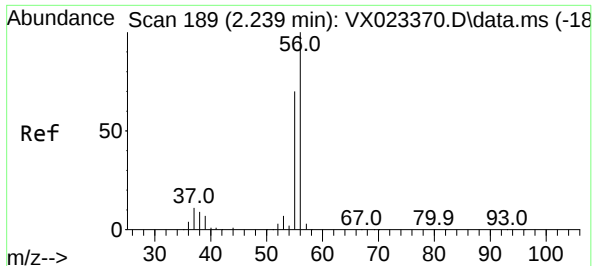
Tgt Ion:142 Resp: 1267  
Ion Ratio Lower Upper  
142 100  
127 30.7 33.3 49.9#  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 0.330 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.043 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

Tgt Ion: 59 Resp: 159  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

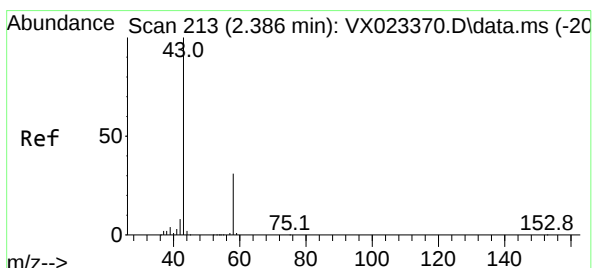
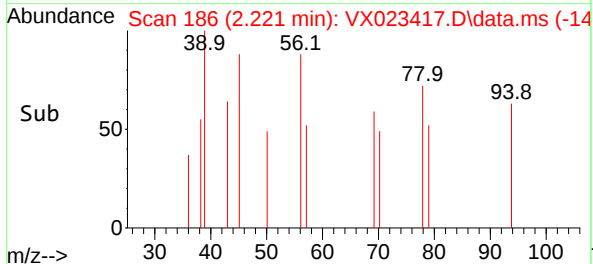
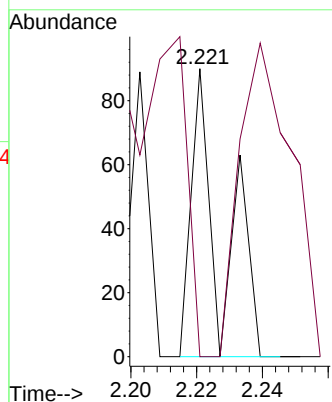
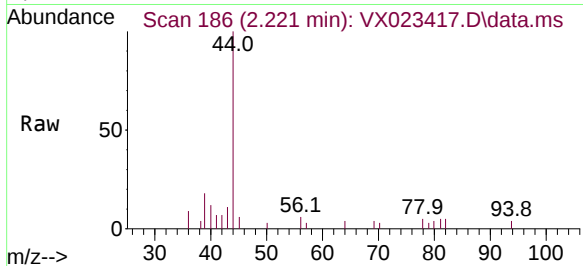




#13  
Acrolein  
Concen: 1.591 ug/l  
RT: 2.221 min Scan# 186  
Delta R.T. -0.018 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

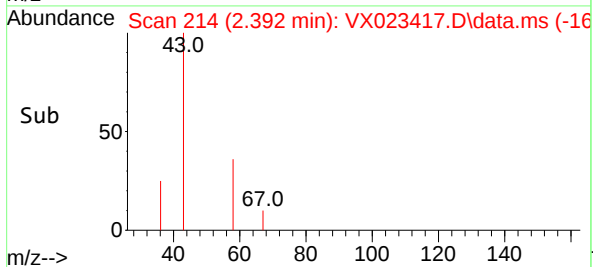
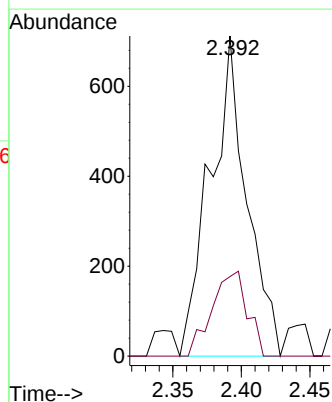
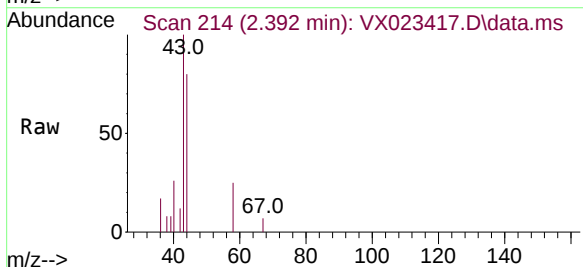
Instrument :  
MSVOA\_X  
ClientSampled :

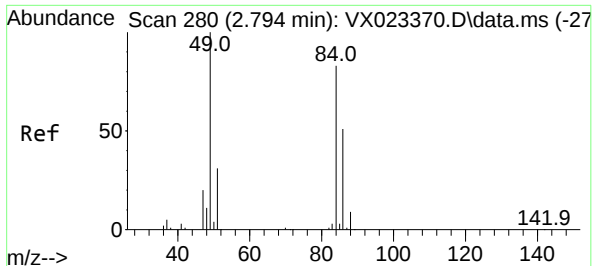
Tgt Ion: 56 Resp: 56  
Ion Ratio Lower Upper  
56 100  
55 192.9 56.4 84.6#



#16  
Acetone  
Concen: 1.276 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

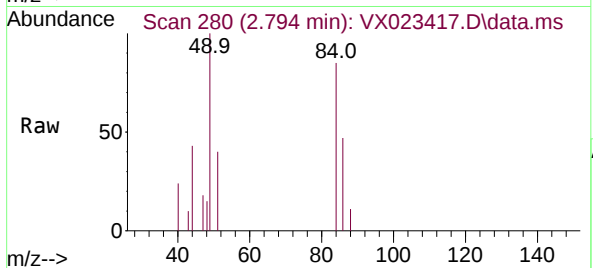
Tgt Ion: 43 Resp: 1320  
Ion Ratio Lower Upper  
43 100  
58 24.9 27.8 41.8#



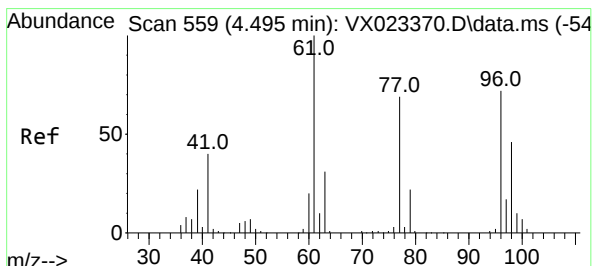
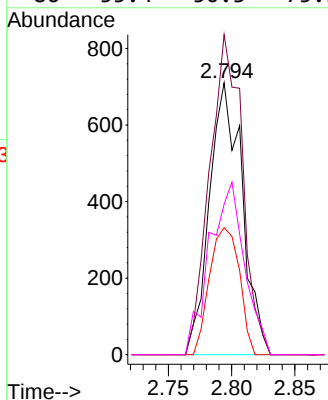
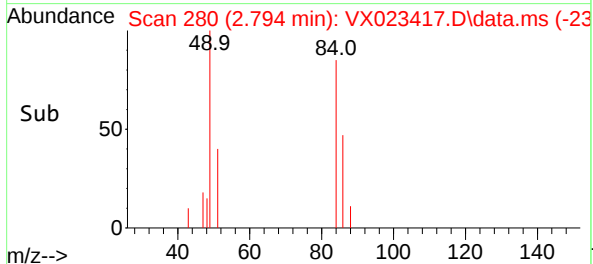


#20  
Methylene Chloride  
Concen: 0.632 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

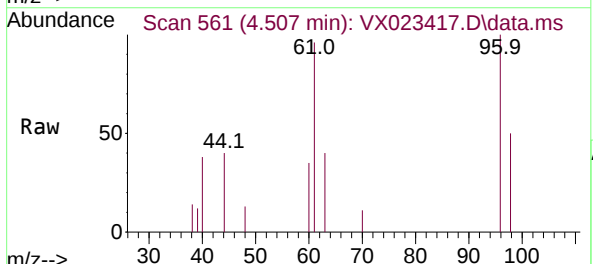
Instrument :  
MSVOA\_X  
ClientSampled :



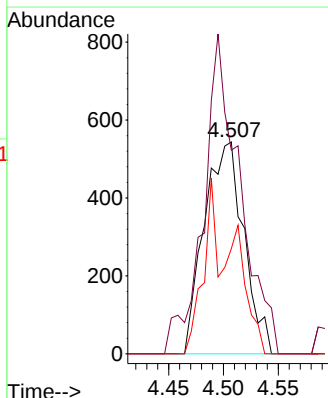
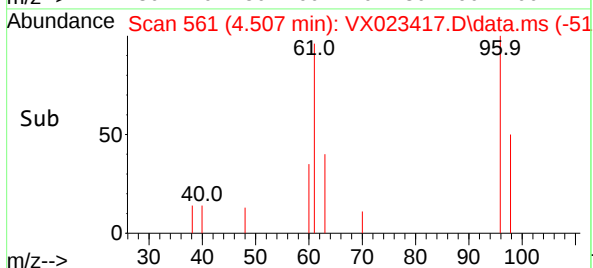
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1272  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.7 | 88.6  | 132.8 |
| 51       | 46.8  | 27.0  | 40.6# |
| 86       | 55.4  | 50.3  | 75.5  |

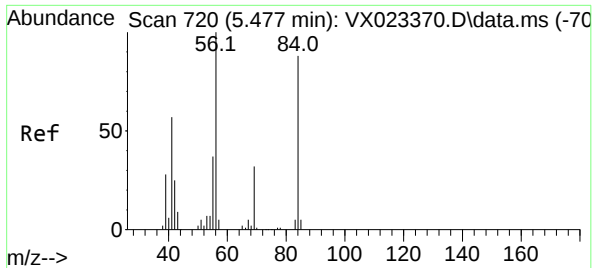


#27  
cis-1,2-Dichloroethene  
Concen: 0.667 ug/l  
RT: 4.507 min Scan# 561  
Delta R.T. 0.012 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 1366  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 0.0   | 0.0   | 285.6 |
| 98       | 25.5  | 0.0   | 129.6 |

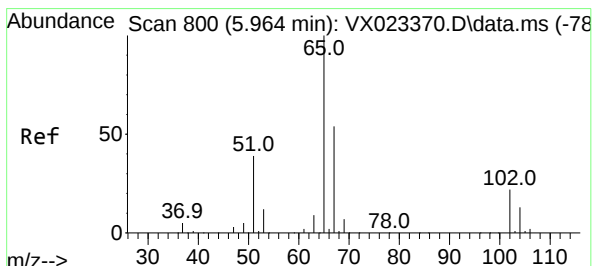
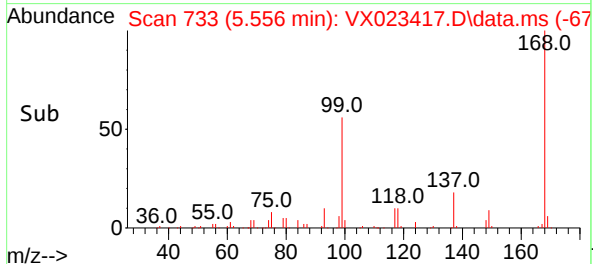
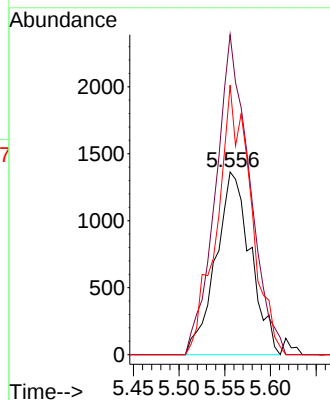
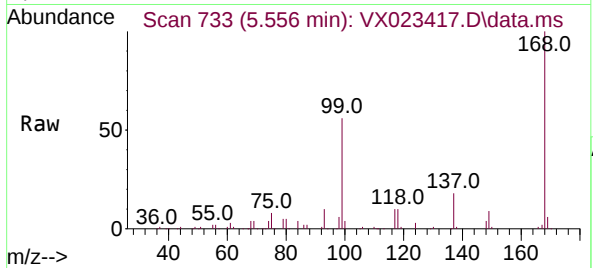




#31  
Cyclohexane  
Concen: 1.154 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

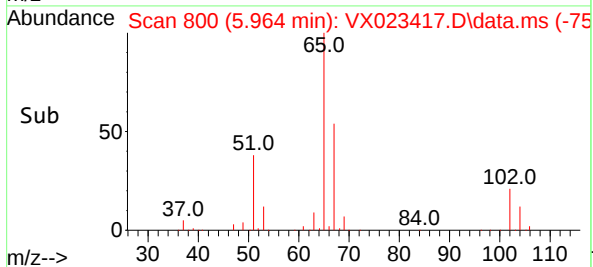
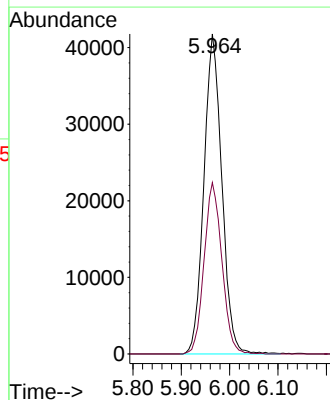
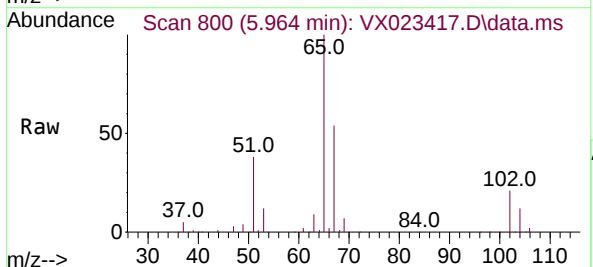
Instrument :  
MSVOA\_X  
ClientSampleId :

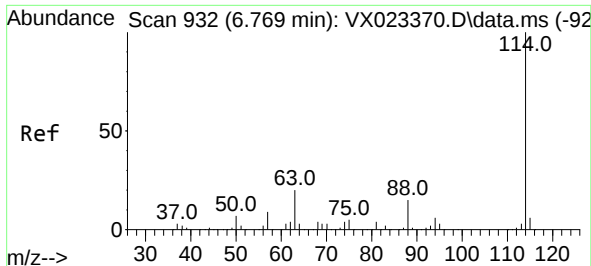
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Ion Ratio Lower Upper  
56 100  
69 175.1 25.3 37.9#  
84 147.5 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 51.061 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

Tgt Ion: 65 Resp: 107690  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 105.4

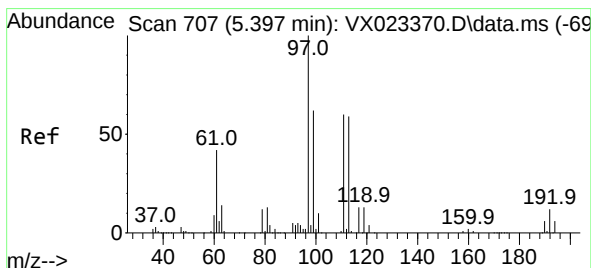
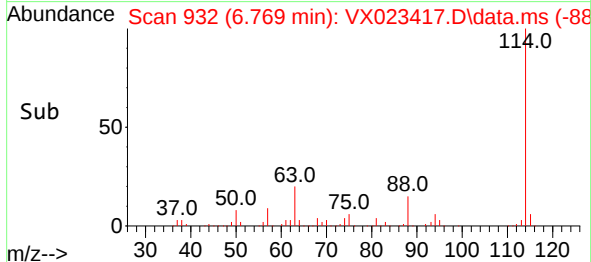
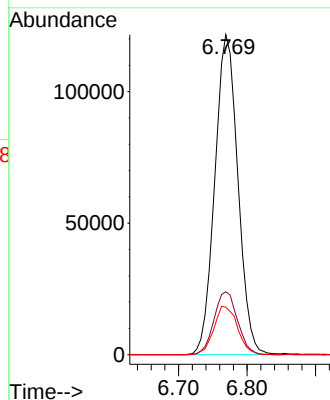
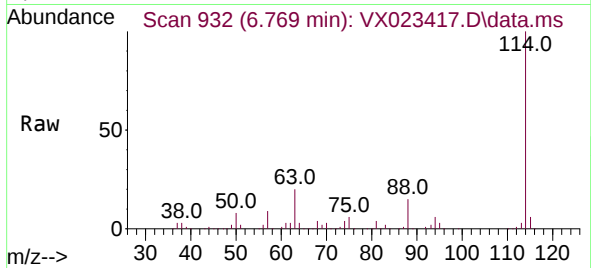




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

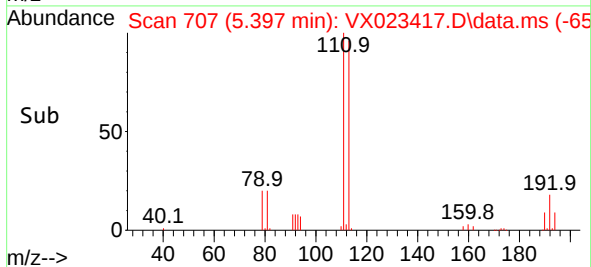
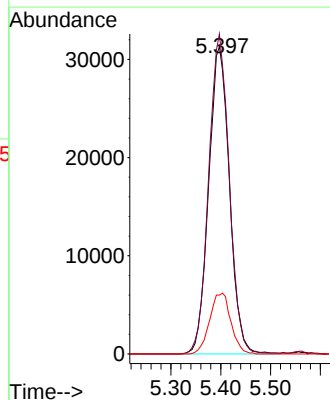
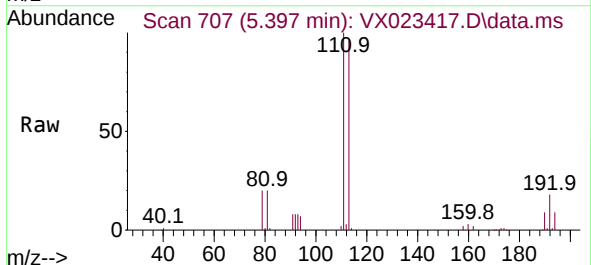
Instrument :  
MSVOA\_X  
ClientSampleId :

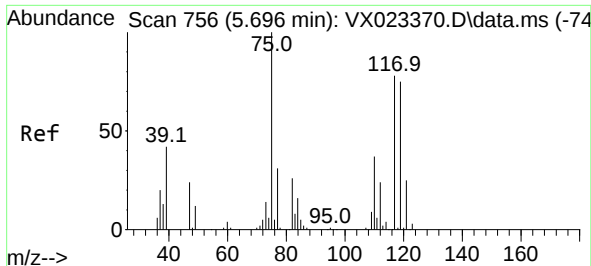
Tgt Ion:114 Resp: 284418  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 40.8  
88 14.8 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.936 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

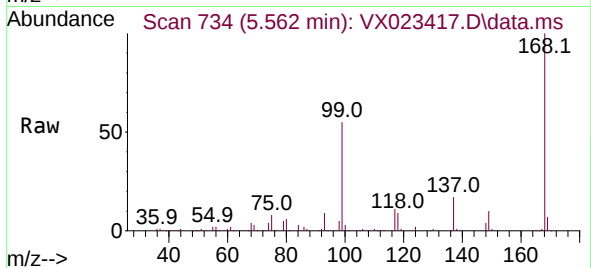
Tgt Ion:113 Resp: 90580  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.9 122.9  
192 20.2 16.7 25.1



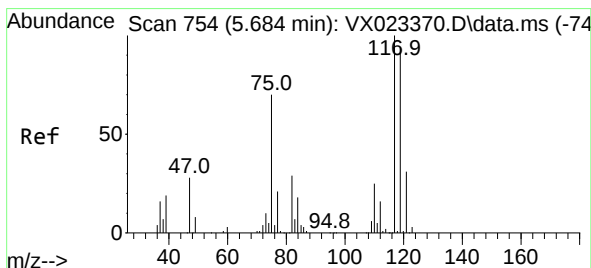
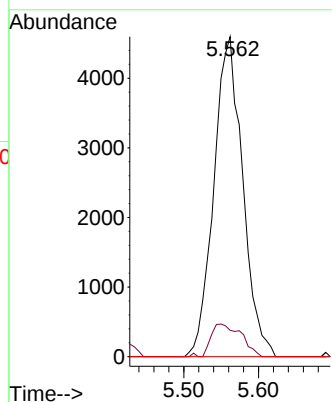
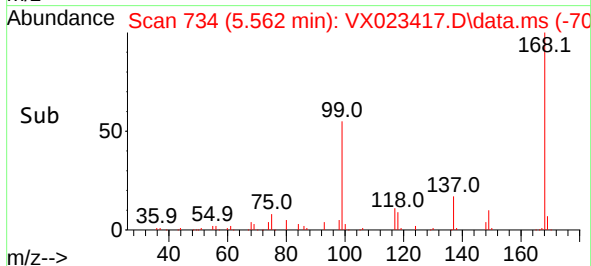


#36  
1,1-Dichloropropene  
Concen: 4.791 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.134 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

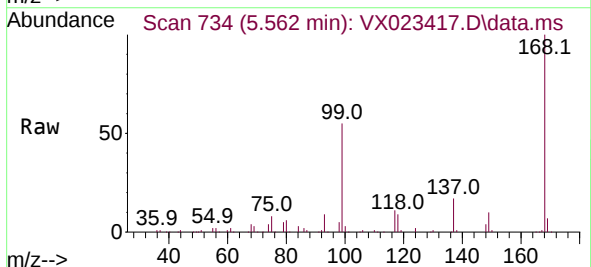
Instrument :  
MSVOA\_X  
ClientSampleId :



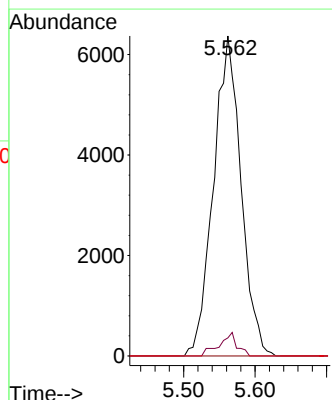
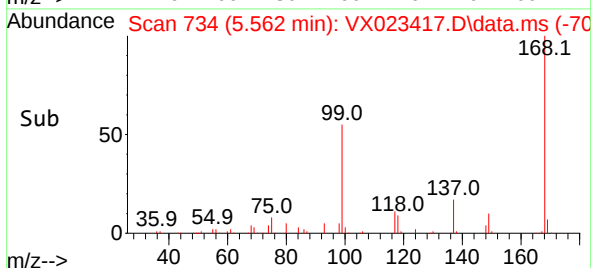
Tgt Ion: 75 Resp: 12327  
Ion Ratio Lower Upper  
75 100  
110 10.8 18.1 54.4#  
77 0.0 25.3 37.9#

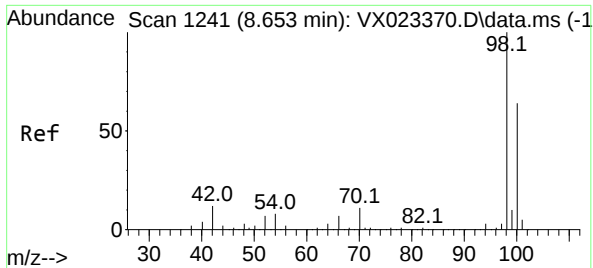


#38  
Carbon Tetrachloride  
Concen: 6.516 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52



Tgt Ion: 117 Resp: 17050  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.2 114.2#  
121 0.0 24.8 37.2#

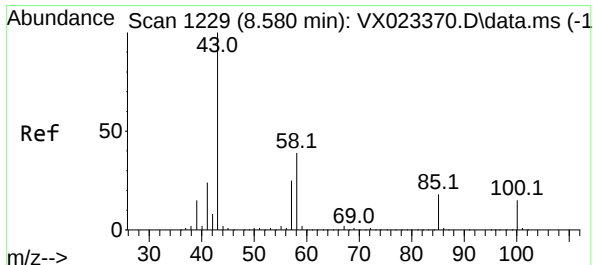
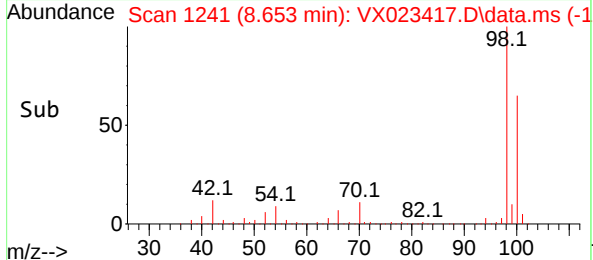
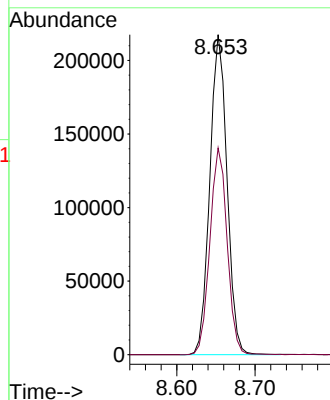
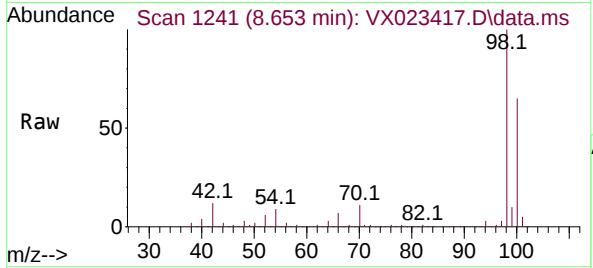




#50  
Toluene-d8  
Concen: 50.706 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

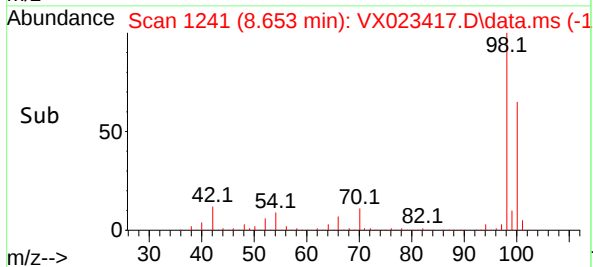
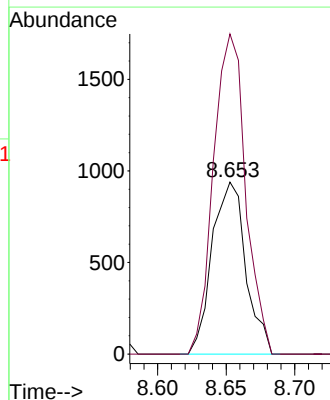
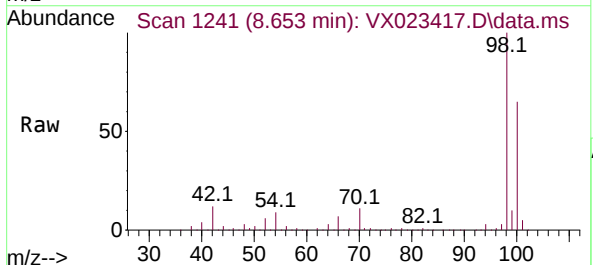
Instrument :  
MSVOA\_X  
ClientSampled :

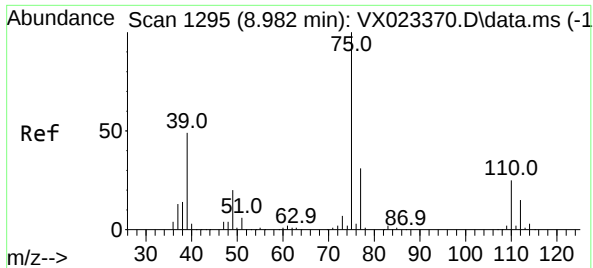
Tgt Ion: 98 Resp: 331292  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.522 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

Tgt Ion: 43 Resp: 1605  
Ion Ratio Lower Upper  
43 100  
58 177.7 35.4 53.0#

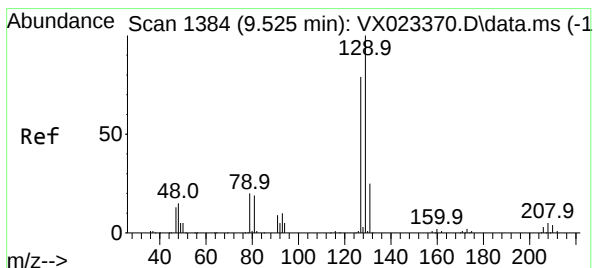
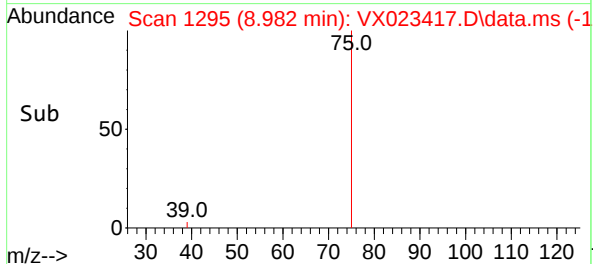
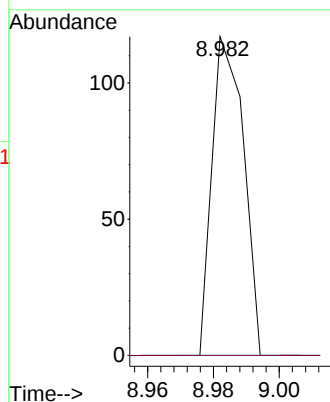
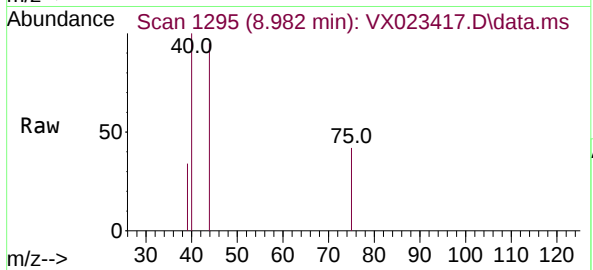




#53  
t-1,3-Dichloropropene  
Concen: 1.841 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. -0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

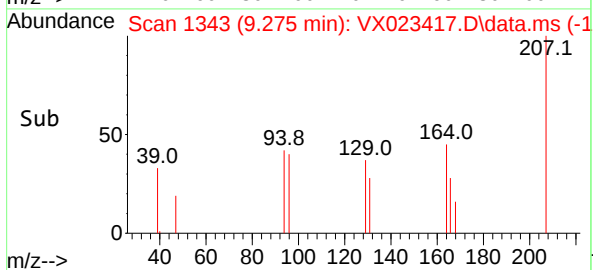
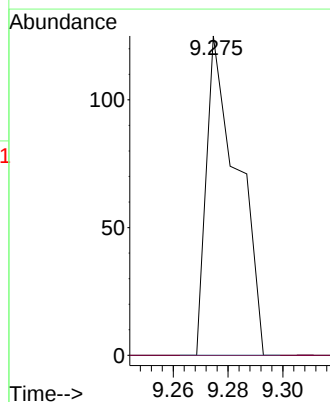
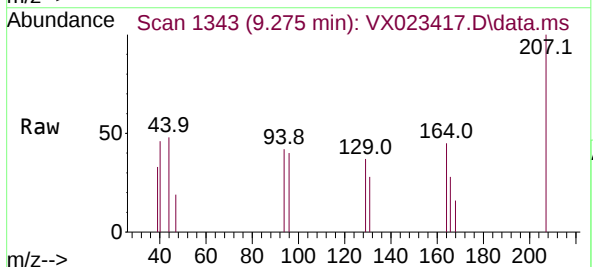
Instrument :  
MSVOA\_X  
ClientSampled :

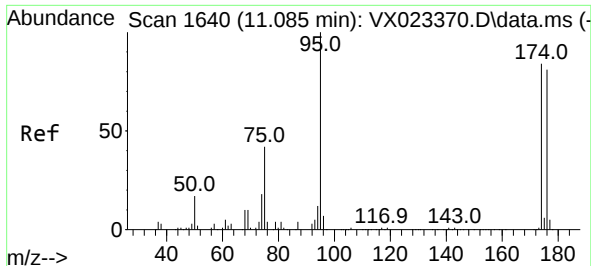
Tgt Ion: 75 Resp: 78  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#



#60  
Dibromochloromethane  
Concen: 2.028 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

Tgt Ion: 129 Resp: 99  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

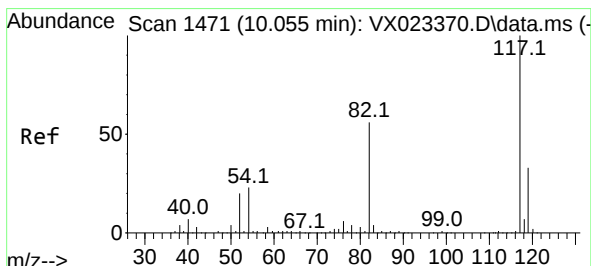
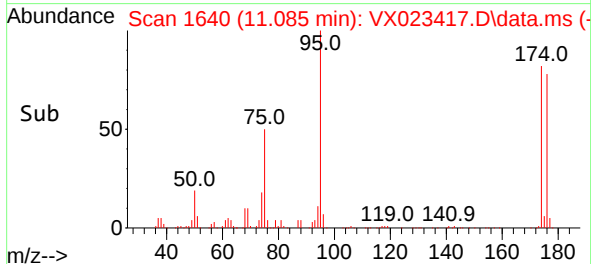
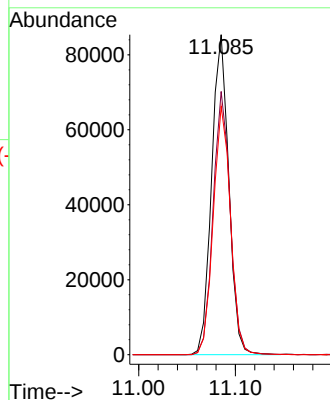
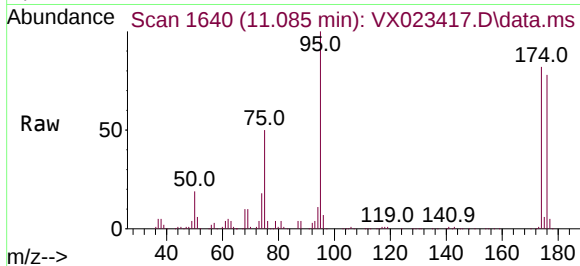




#62  
4-Bromofluorobenzene  
Concen: 47.429 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

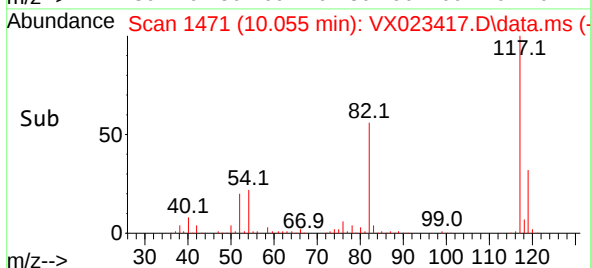
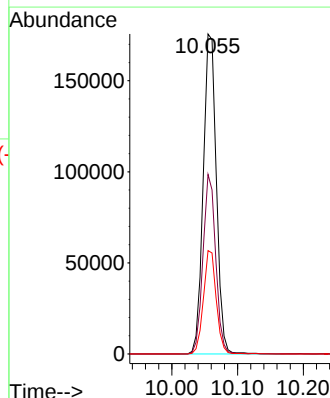
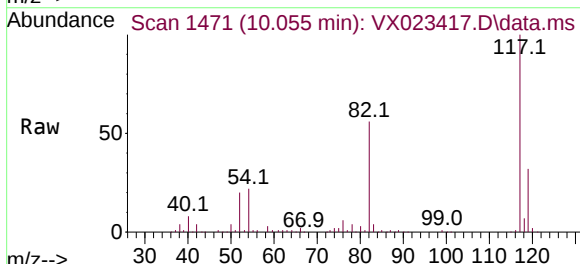
Instrument :  
MSVOA\_X  
ClientSampleId :

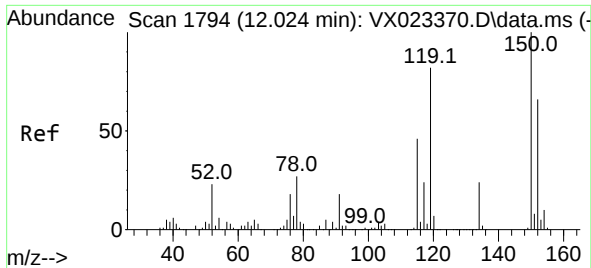
Tgt Ion: 95 Resp: 105371  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 154.6  
176 78.3 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX023417.D  
Acq: 23 Jul 2021 11:52

Tgt Ion: 117 Resp: 244140  
Ion Ratio Lower Upper  
117 100  
82 56.1 47.4 71.2  
119 32.3 26.6 39.8

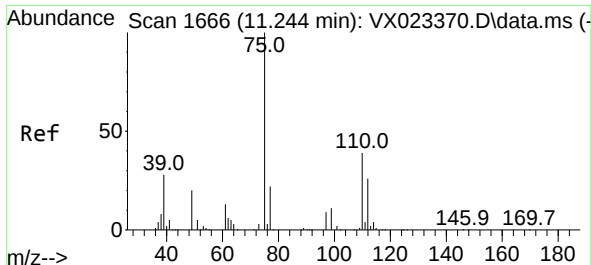
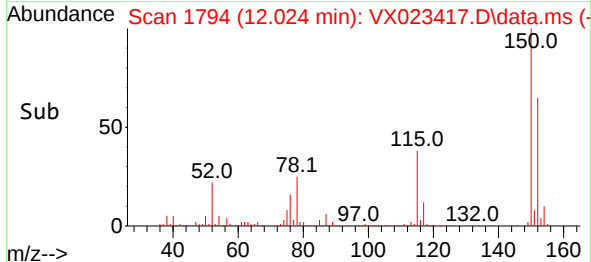
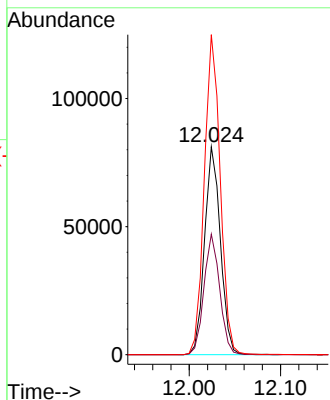
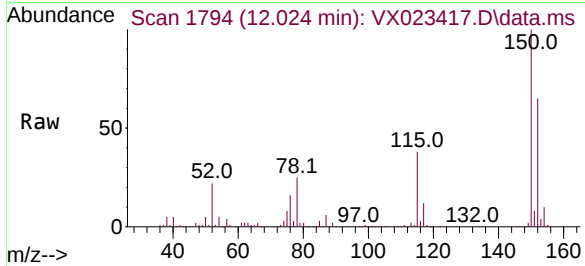




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023417.D  
 Acq: 23 Jul 2021 11:52

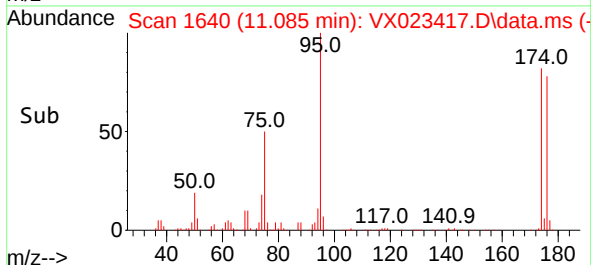
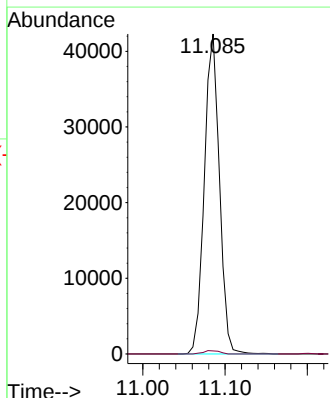
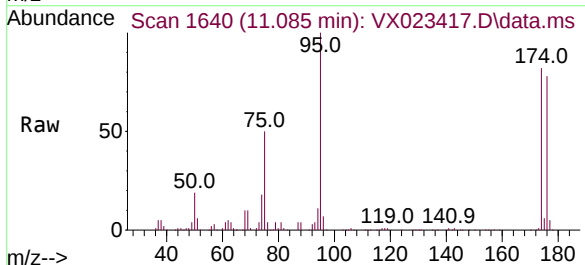
Instrument :  
 MSVOA\_X  
 ClientSampleId :

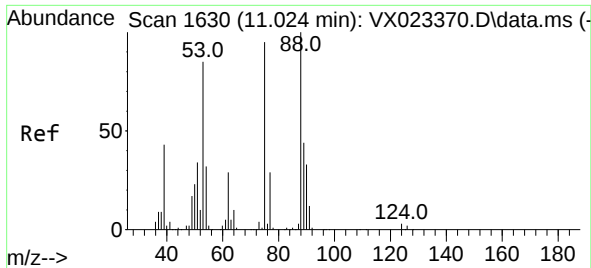
Tgt Ion:152 Resp: 97568  
 Ion Ratio Lower Upper  
 152 100  
 115 57.6 41.1 123.3  
 150 154.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.095 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023417.D  
 Acq: 23 Jul 2021 11:52

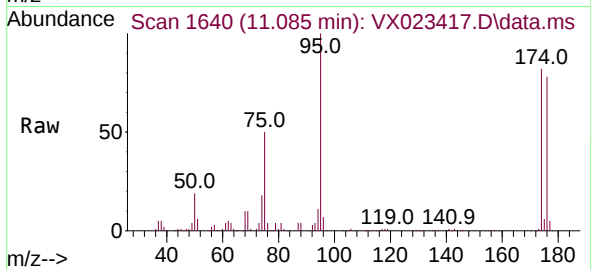
Tgt Ion: 75 Resp: 53881  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.478 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.061 min  
 Lab File: VX023417.D  
 Acq: 23 Jul 2021 11:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 53881  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.0 37.9 56.9#

