

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081721\  
 Data File : VX023794.D  
 Acq On : 18 Aug 2021 04:15  
 Operator : JC/MD  
 Sample : M3425-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 22S

Quant Time: Aug 18 07:04:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

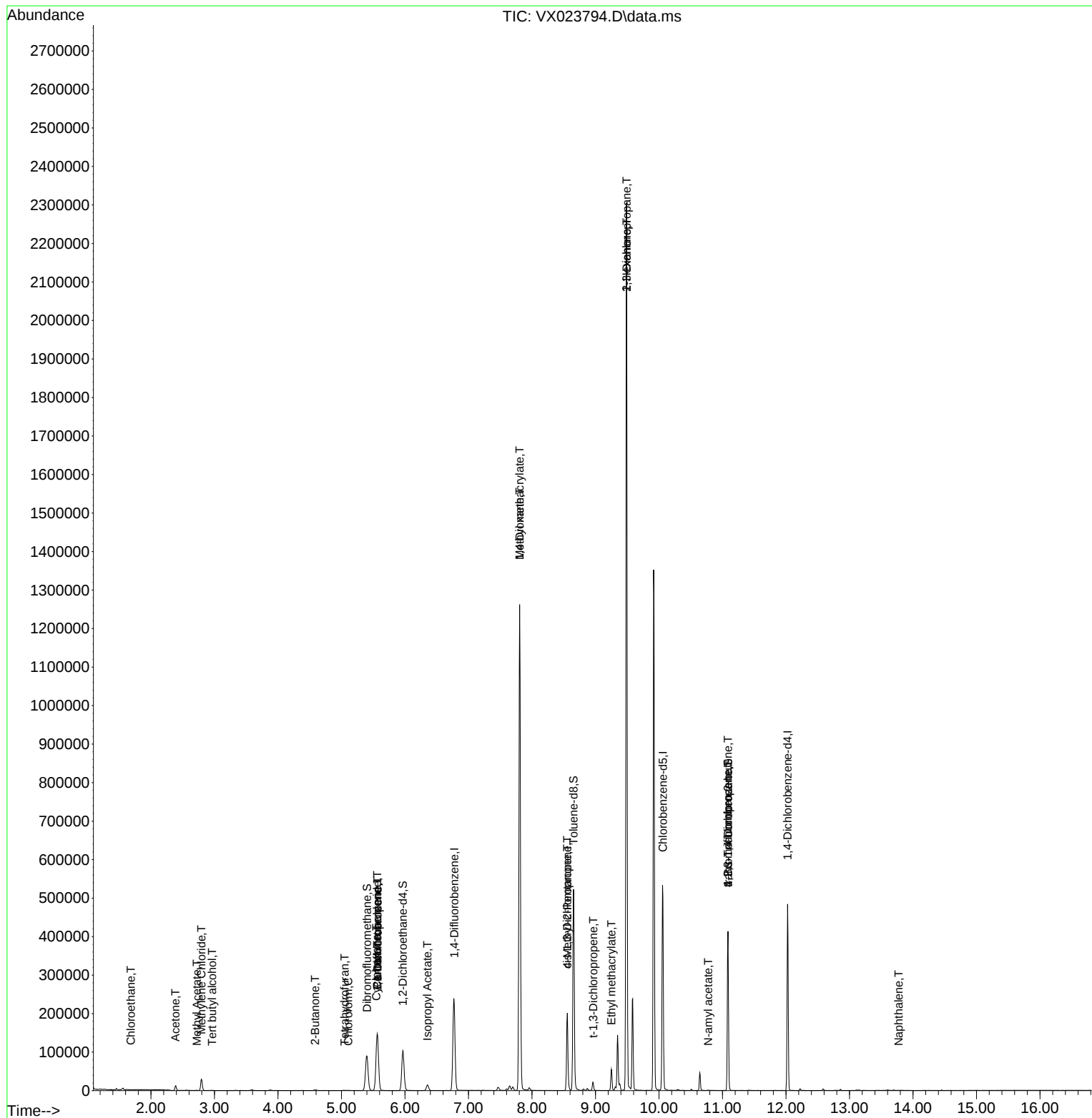
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 138614   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.775  | 114   | 237782   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061 | 117   | 234818   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 94782    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 99631    | 51.499   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 103.000% |
| 35) Dibromofluoromethane      | 5.404  | 113   | 77532    | 49.264   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 98.520%  |
| 50) Toluene-d8                | 8.653  | 98    | 303417   | 50.654   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 101.300% |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 104584   | 47.428   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 94.860%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Chloroethane               | 1.685  | 64    | 131      | 2.313    | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.965  | 59    | 337      | 0.861    | ug/l # | 73       |
| 16) Acetone                   | 2.386  | 43    | 12753    | 14.743   | ug/l   | 90       |
| 18) Methyl Acetate            | 2.721  | 43    | 1017     | 0.471    | ug/l # | 76       |
| 20) Methylene Chloride        | 2.794  | 84    | 13020    | 7.880    | ug/l # | 85       |
| 25) 2-Butanone                | 4.587  | 43    | 1669     | 1.274    | ug/l # | 87       |
| 29) Tetrahydrofuran           | 5.050  | 42    | 599      | 0.706    | ug/l # | 76       |
| 30) Chloroform                | 5.105  | 83    | 623      | 0.217    | ug/l # | 68       |
| 31) Cyclohexane               | 5.550  | 56    | 1497     | 0.602    | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 5.568  | 75    | 10596    | 4.812    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 14222    | 6.194    | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.355  | 43    | 19891    | 4.698    | ug/l # | 90       |
| 48) Methyl methacrylate       | 7.806  | 41    | 112200   | 54.323   | ug/l # | 38       |
| 49) 1,4-Dioxane               | 7.806  | 88    | 144      | 3.299    | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43    | 69808    | 25.506   | ug/l # | 45       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75    | 94       | 2.169    | ug/l # | 44       |
| 54) cis-1,3-Dichloropropene   | 8.555  | 75    | 29421    | 11.155   | ug/l # | 69       |
| 56) Ethyl methacrylate        | 9.250  | 69    | 237      | 0.838    | ug/l # | 1        |
| 57) 1,3-Dichloropropane       | 9.488  | 76    | 18070    | 6.272    | ug/l # | 43       |
| 59) 2-Hexanone                | 9.488  | 43    | 270767   | 128.705  | ug/l # | 44       |
| 74) N-amyl acetate            | 10.775 | 43    | 985      | 0.301    | ug/l # | 38       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 55064    | 24.904   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 55064    | 73.257   | ug/l # | 12       |
| 95) Naphthalene               | 13.774 | 128   | 220      | 1.313    | ug/l # | 69       |
| -----                         |        |       |          |          |        |          |

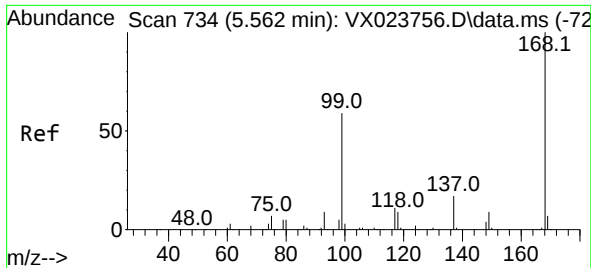
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081721\  
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Sample : M3425-15  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
22S

Quant Time: Aug 18 07:04:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

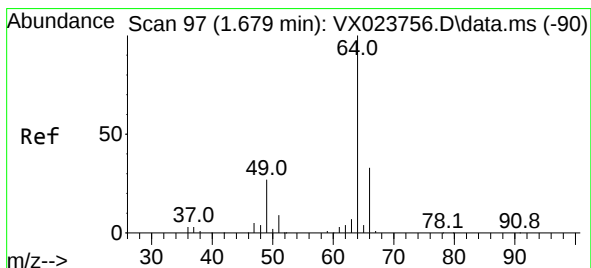
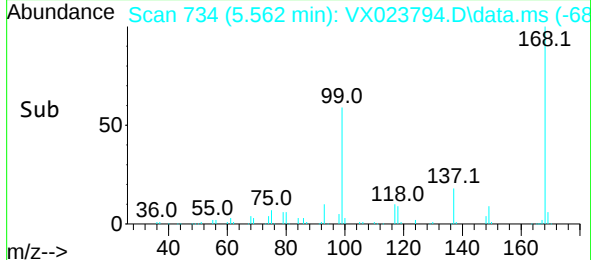
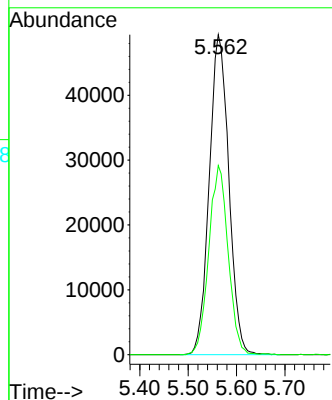
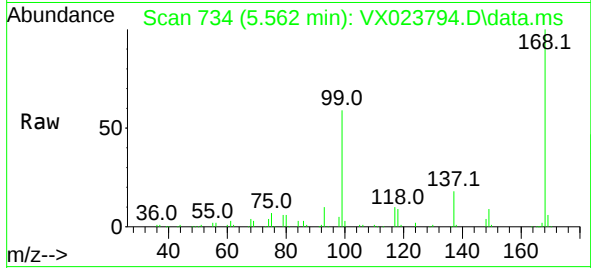




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

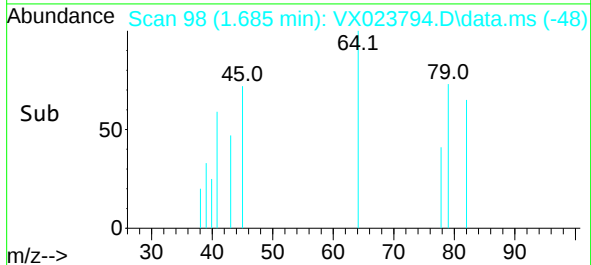
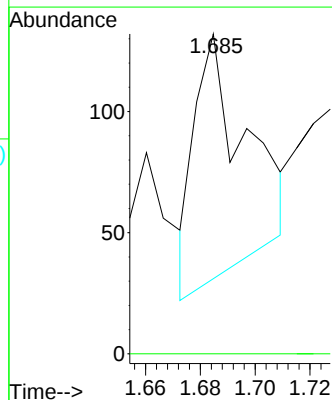
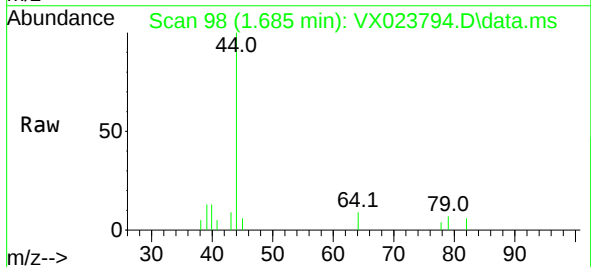
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

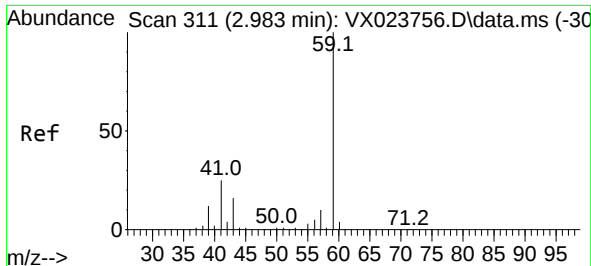
Tgt Ion:168 Resp: 138614  
Ion Ratio Lower Upper  
168 100  
99 59.1 45.8 68.6



#6  
Chloroethane  
Concen: 2.313 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 64 Resp: 131  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



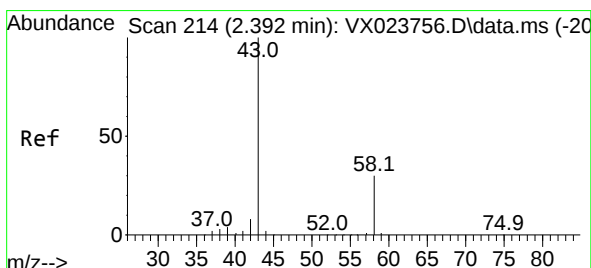
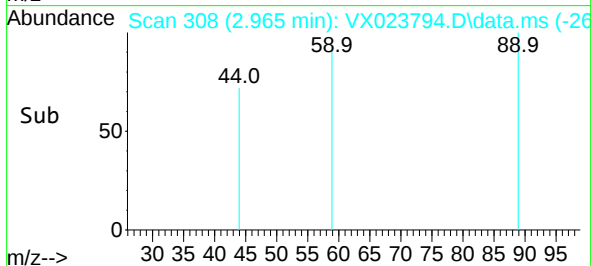
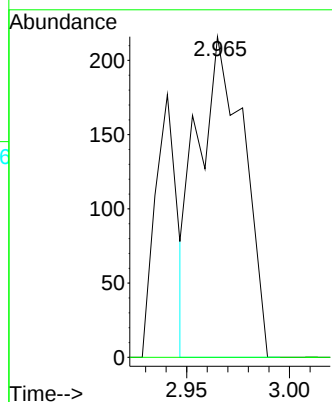
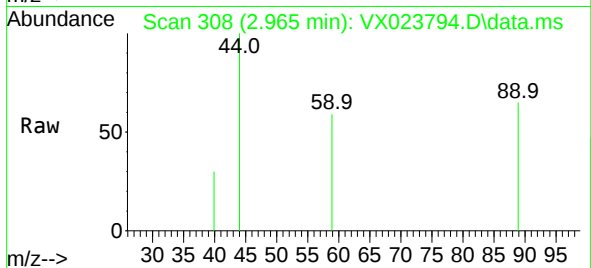


#11

Tert butyl alcohol  
Concen: 0.861 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.018 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
22S

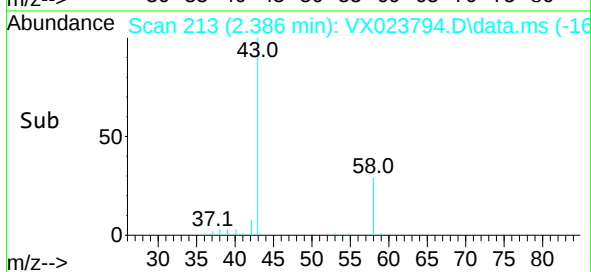
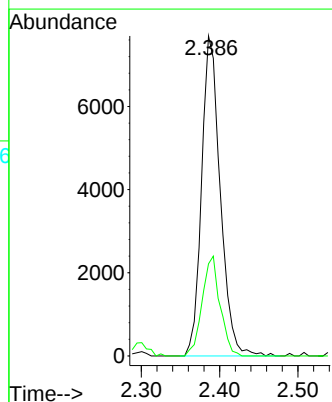
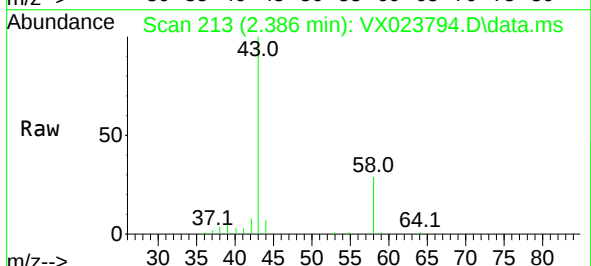
Tgt Ion: 59 Resp: 337  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

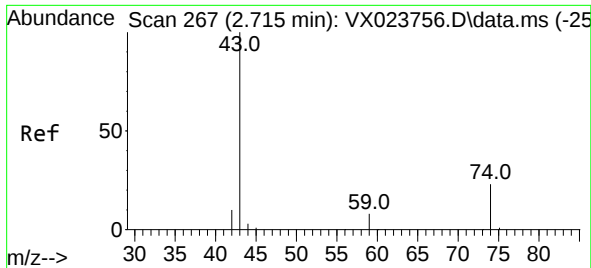


#16

Acetone  
Concen: 14.743 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 43 Resp: 12753  
Ion Ratio Lower Upper  
43 100  
58 28.8 27.8 41.8

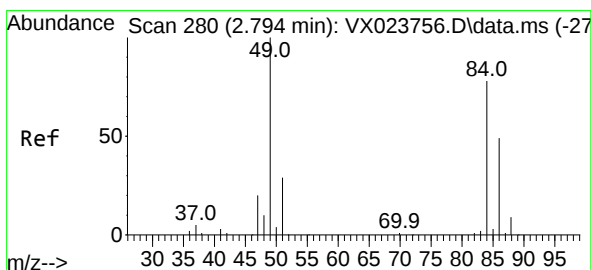
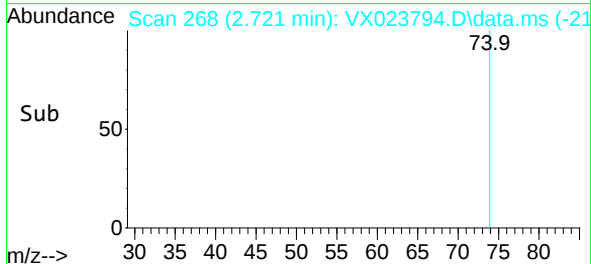
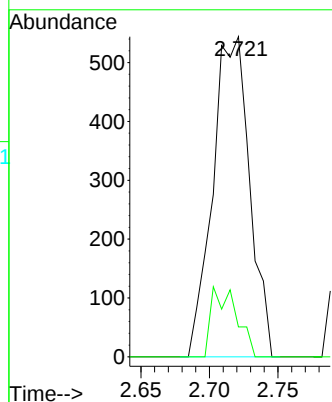
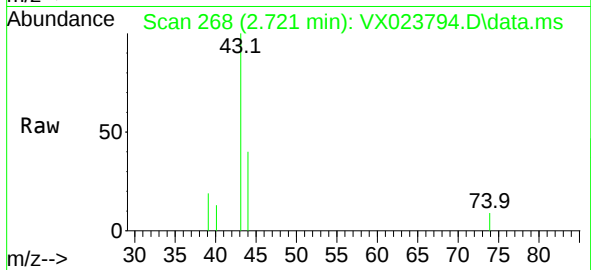




#18  
Methyl Acetate  
Concen: 0.471 ug/l  
RT: 2.721 min Scan# 268  
Delta R.T. 0.006 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

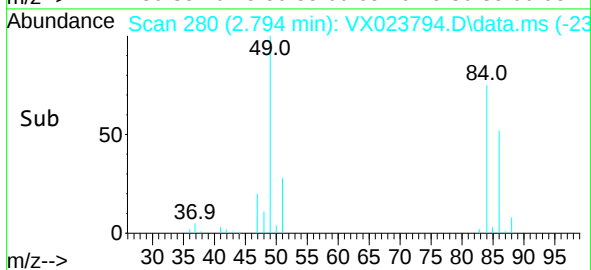
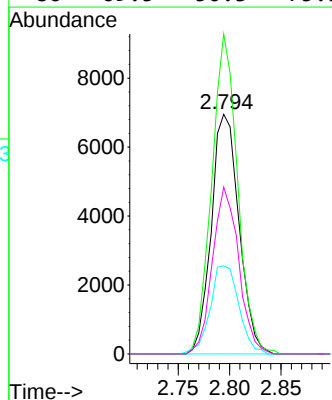
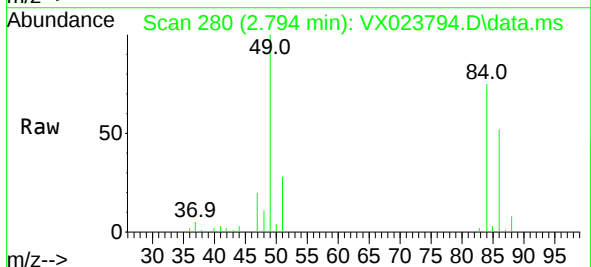
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

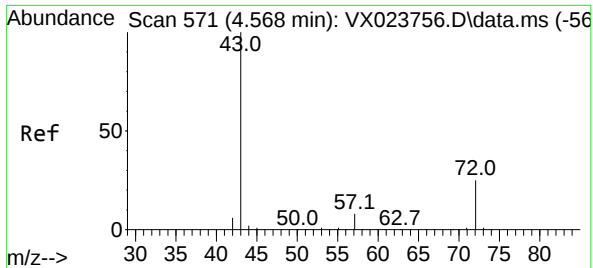
Tgt Ion: 43 Resp: 1017  
Ion Ratio Lower Upper  
43 100  
74 14.9 21.9 32.9#



#20  
Methylene Chloride  
Concen: 7.880 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 84 Resp: 13020  
Ion Ratio Lower Upper  
84 100  
49 133.5 88.6 132.8#  
51 36.8 27.0 40.6  
86 69.5 50.3 75.5

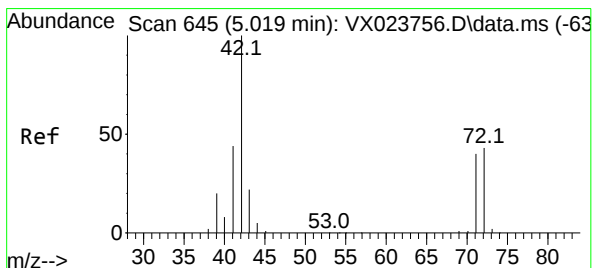
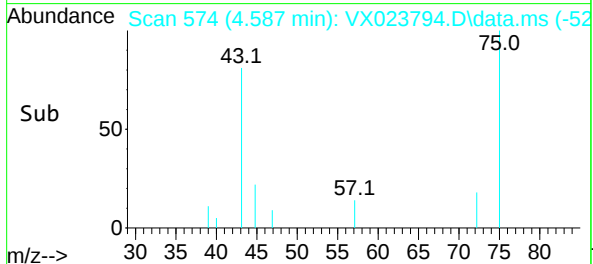
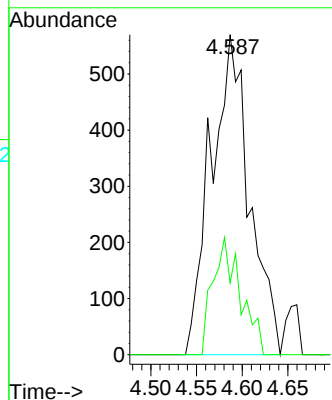
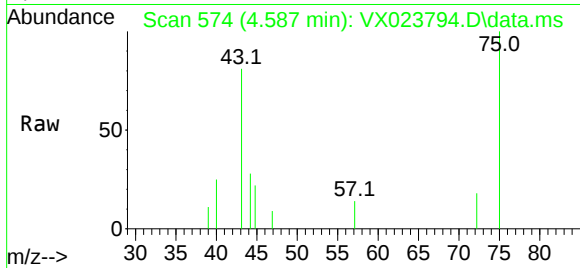




#25  
2-Butanone  
Concen: 1.274 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.019 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

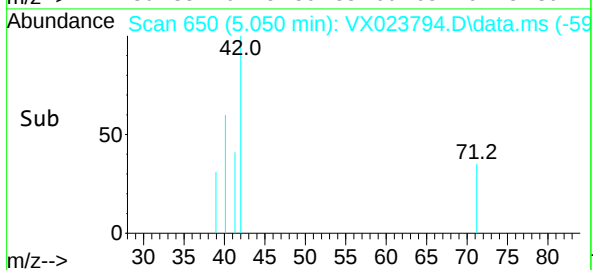
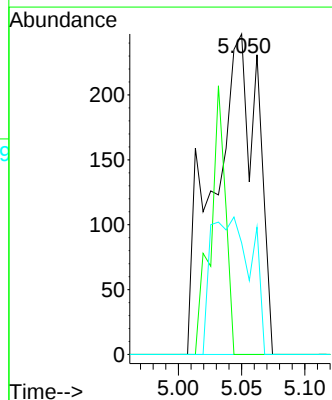
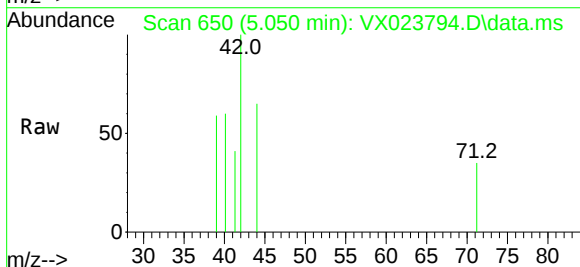
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

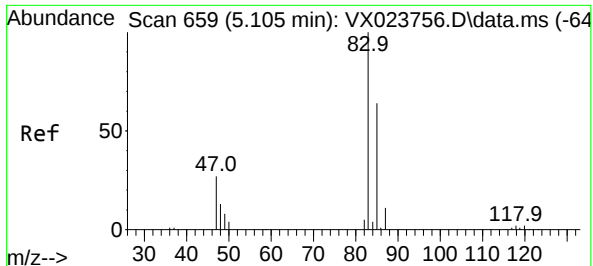
Tgt Ion: 43 Resp: 1669  
Ion Ratio Lower Upper  
43 100  
72 22.5 23.7 35.5#



#29  
Tetrahydrofuran  
Concen: 0.706 ug/l  
RT: 5.050 min Scan# 650  
Delta R.T. 0.031 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 42 Resp: 599  
Ion Ratio Lower Upper  
42 100  
72 28.4 41.7 62.5#  
71 39.4 38.4 57.6





#30

Chloroform

Concen: 0.217 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023794.D

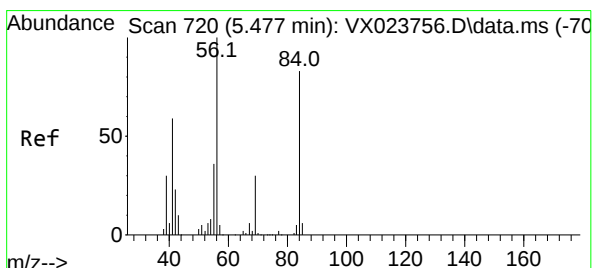
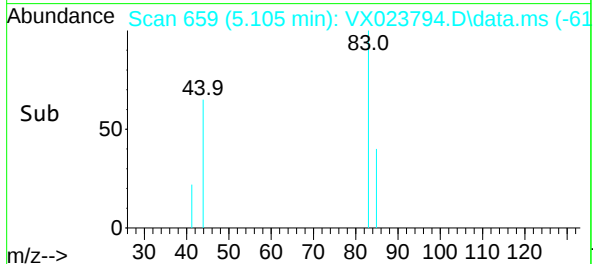
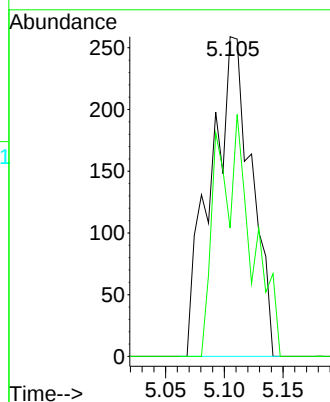
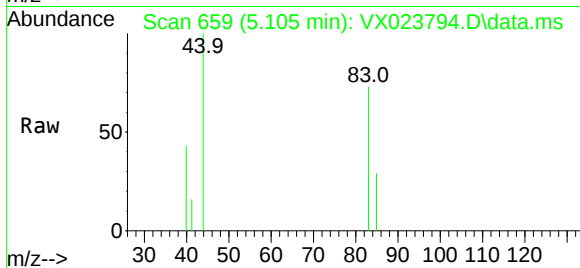
Acq: 18 Aug 2021 04:15

Tgt Ion: 83 Resp: 623

Ion Ratio Lower Upper

83 100

85 40.2 52.0 78.0#



#31

Cyclohexane

Concen: 0.602 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX023794.D

Acq: 18 Aug 2021 04:15

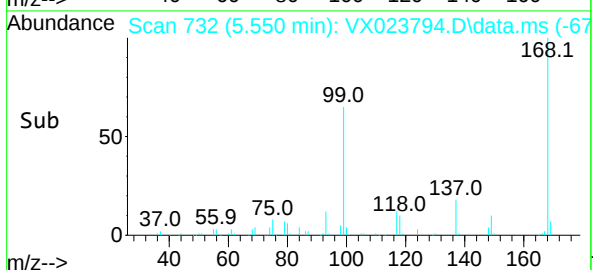
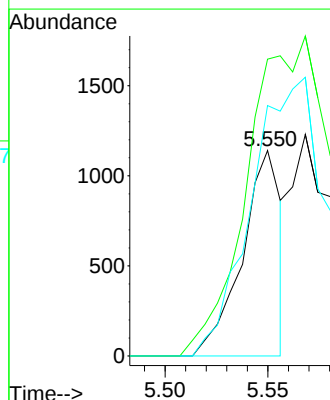
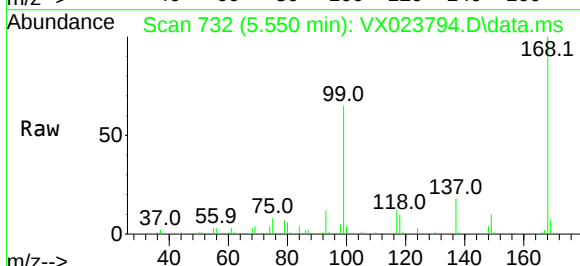
Tgt Ion: 56 Resp: 1497

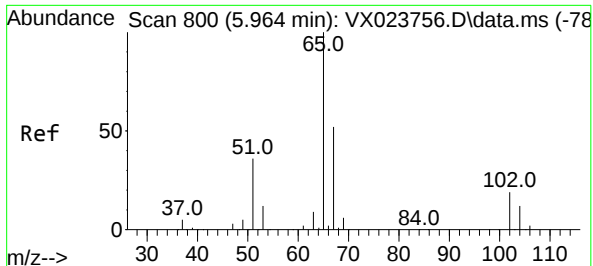
Ion Ratio Lower Upper

56 100

69 144.5 25.3 37.9#

84 121.9 71.4 107.0#



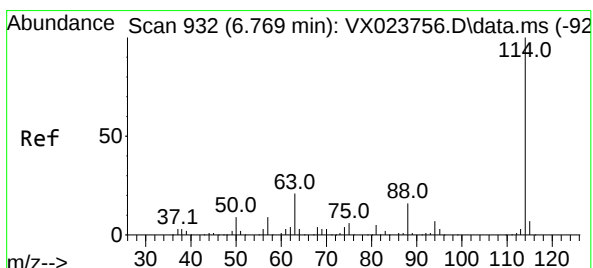
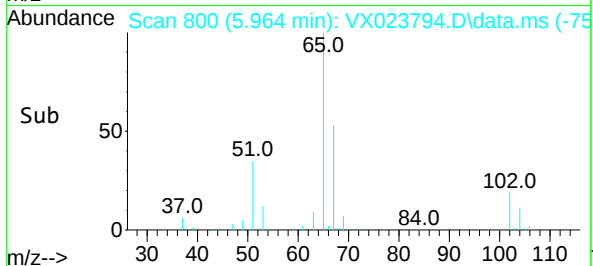
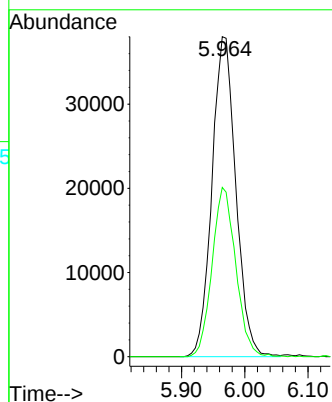
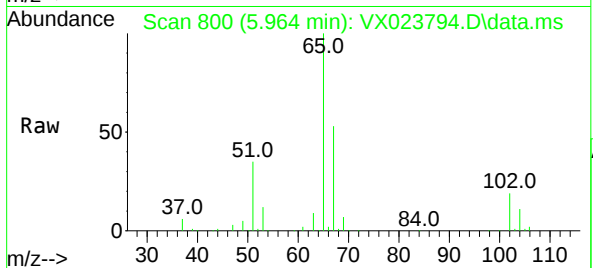


#33

1,2-Dichloroethane-d4  
Concen: 51.499 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Instrument :  
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ClientSampled :  
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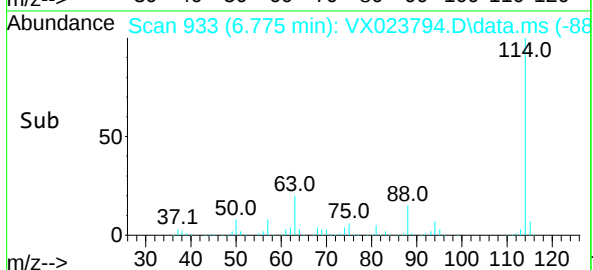
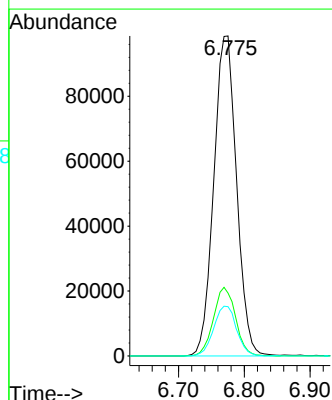
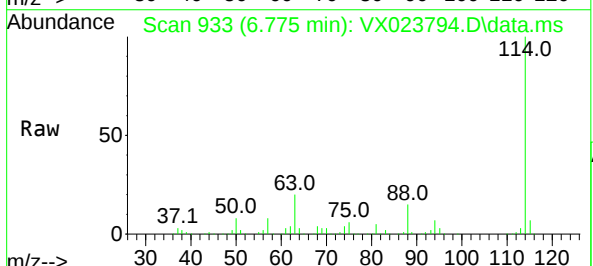
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Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.4

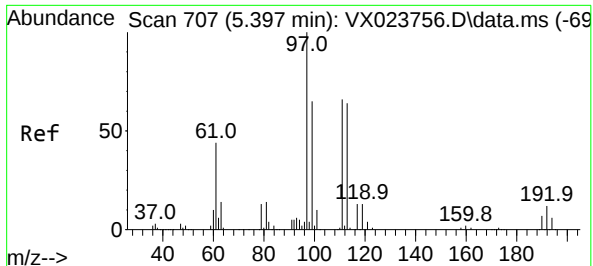


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.775 min Scan# 933  
Delta R.T. 0.006 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

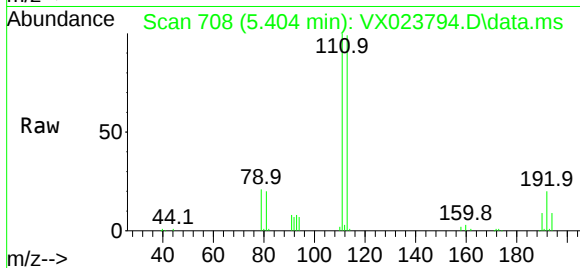
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Ion Ratio Lower Upper  
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63 19.6 0.0 40.8  
88 15.4 0.0 32.8



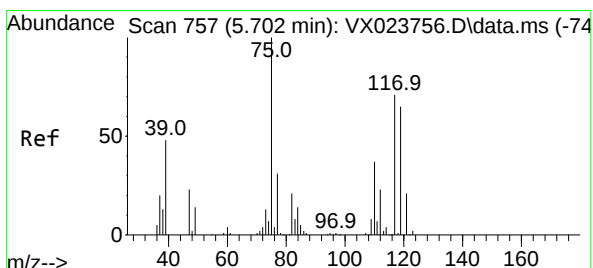
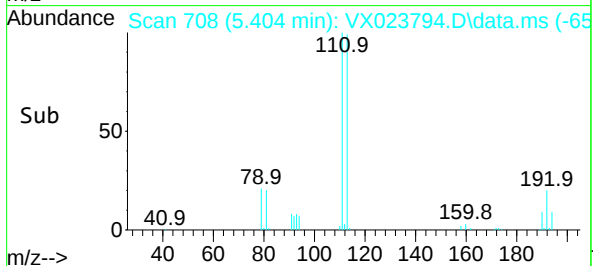
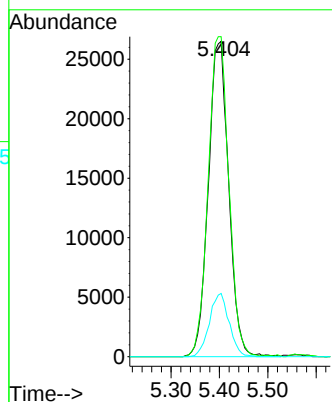


#35  
Dibromofluoromethane  
Concen: 49.264 ug/l  
RT: 5.404 min Scan# 708  
Delta R.T. 0.007 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Instrument :  
MSVOA\_X  
ClientSampled :  
22S

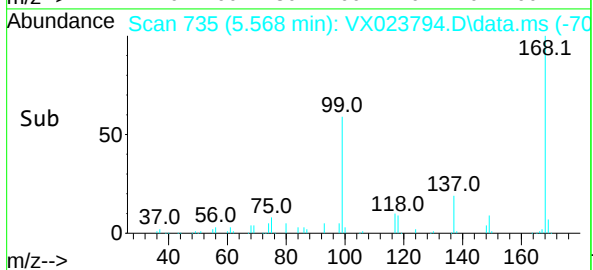
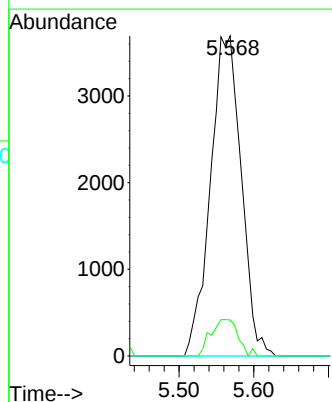
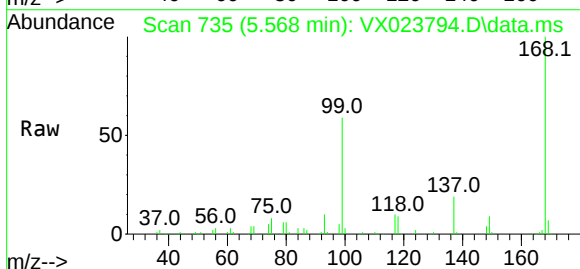


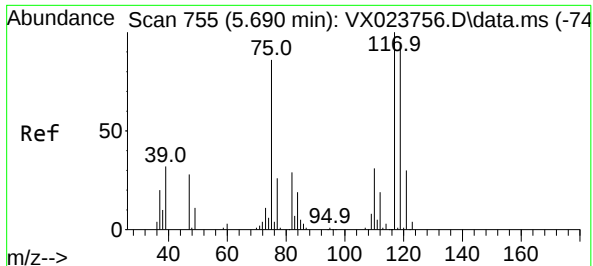
Tgt Ion:113 Resp: 77532  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 19.4 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 4.812 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.134 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

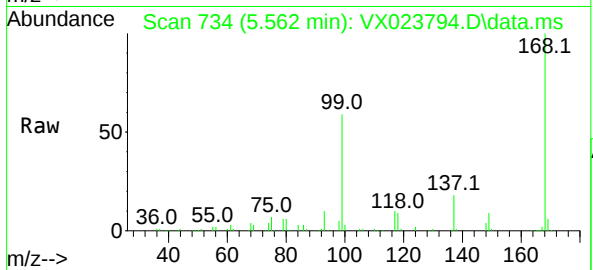
Tgt Ion: 75 Resp: 10596  
Ion Ratio Lower Upper  
75 100  
110 10.1 18.1 54.4#  
77 0.0 25.3 37.9#



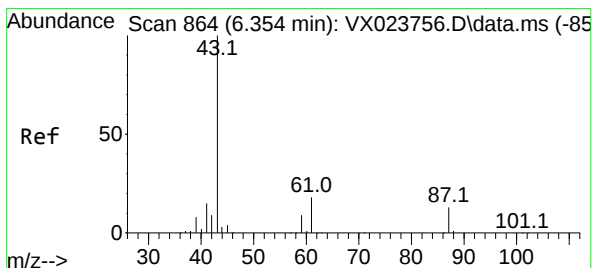
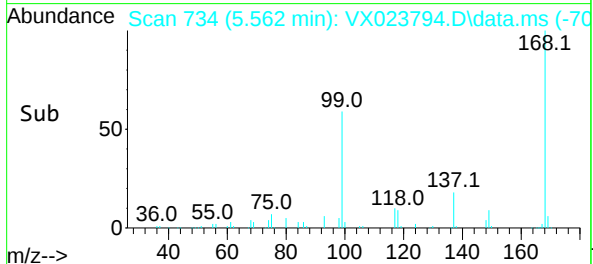
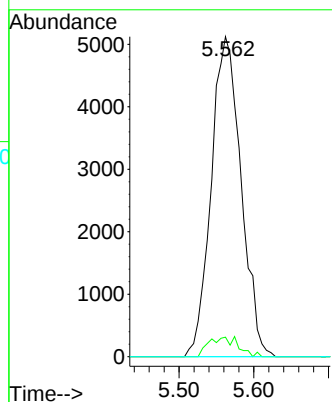


#38  
Carbon Tetrachloride  
Concen: 6.194 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Instrument :  
MSVOA\_X  
ClientSampled :  
22S

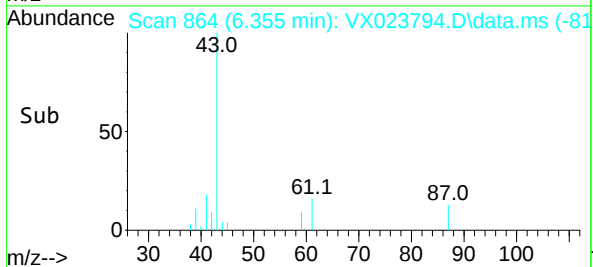
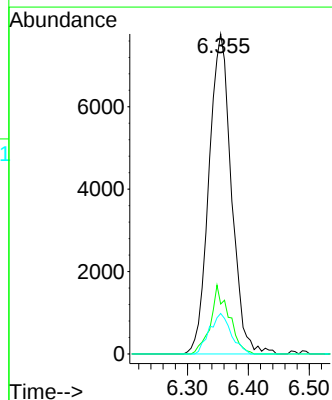
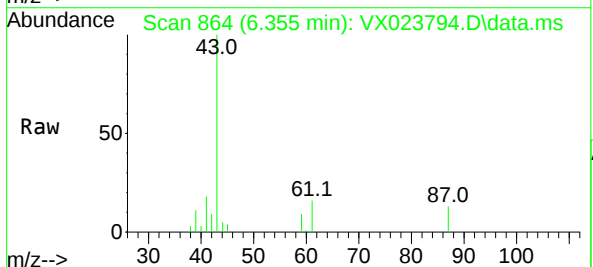


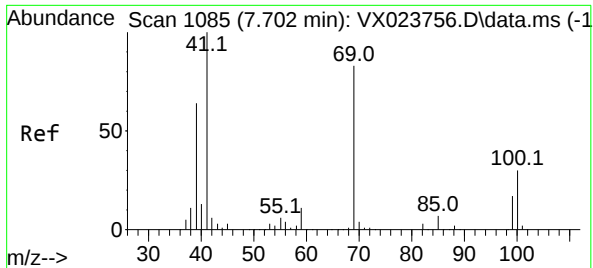
Tgt Ion: 117 Resp: 14222  
Ion Ratio Lower Upper  
117 100  
119 6.1 76.2 114.2#  
121 0.0 24.8 37.2#



#43  
Isopropyl Acetate  
Concen: 4.698 ug/l  
RT: 6.355 min Scan# 864  
Delta R.T. 0.001 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 43 Resp: 19891  
Ion Ratio Lower Upper  
43 100  
61 17.6 18.2 27.4#  
87 12.1 12.5 18.7#

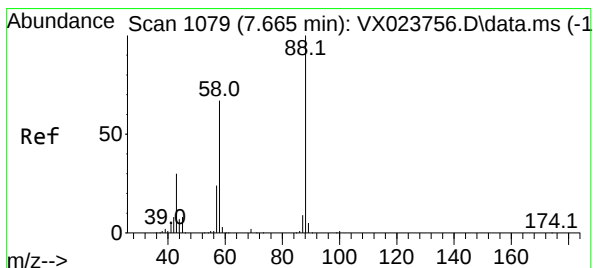
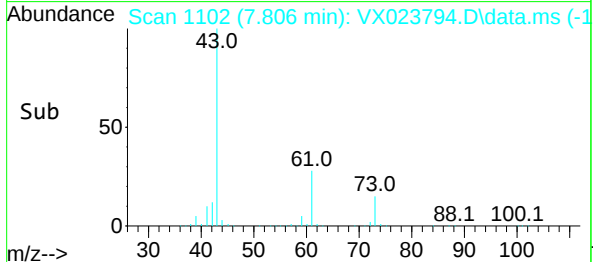
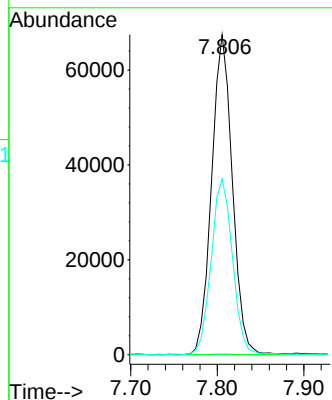
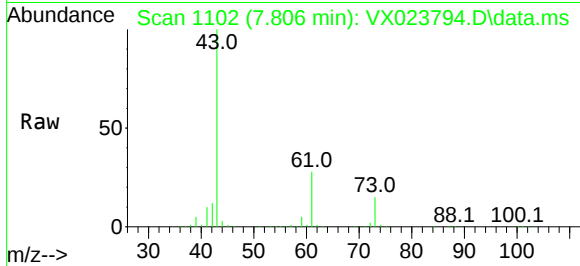




#48  
Methyl methacrylate  
Concen: 54.323 ug/l  
RT: 7.806 min Scan# 1102  
Delta R.T. 0.104 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

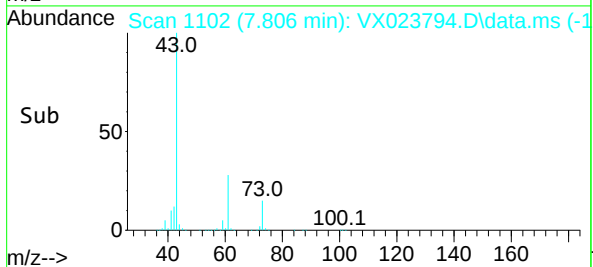
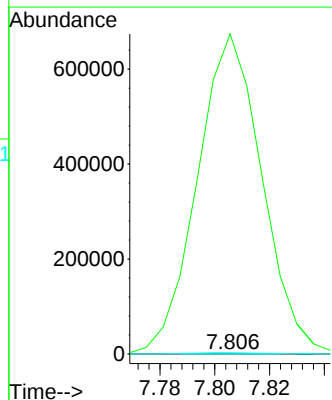
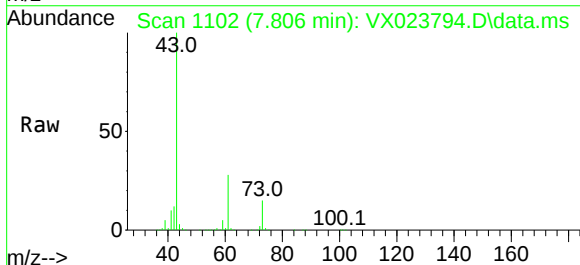
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

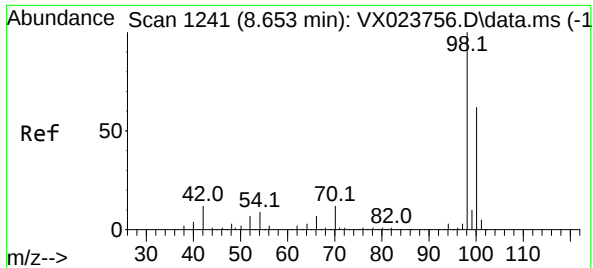
Tgt Ion: 41 Resp: 112200  
Ion Ratio Lower Upper  
41 100  
69 0.2 76.0 114.0#  
39 56.9 44.6 67.0



#49  
1,4-Dioxane  
Concen: 3.299 ug/l  
RT: 7.806 min Scan# 1102  
Delta R.T. 0.141 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 88 Resp: 144  
Ion Ratio Lower Upper  
88 100  
43 773941.7 23.2 34.8#  
58 3571.5 55.0 82.4#

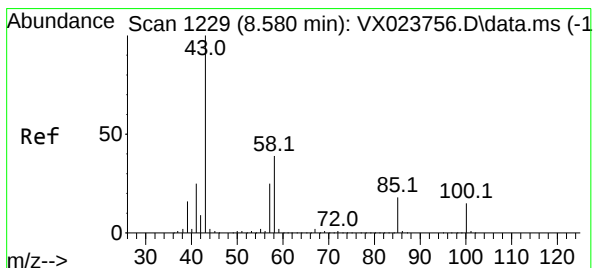
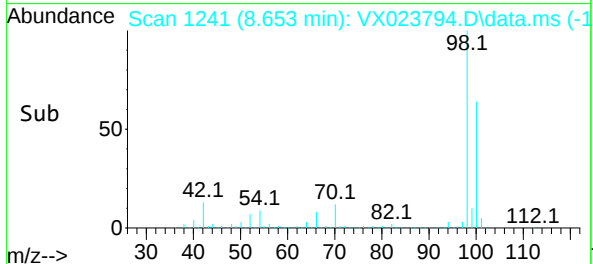
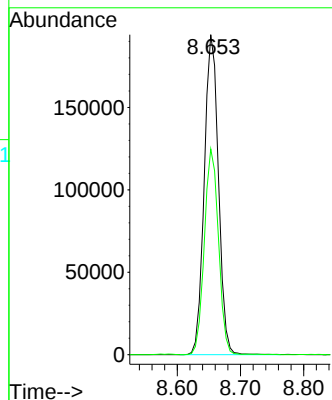
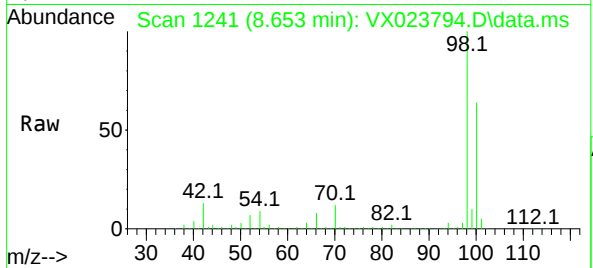




#50  
Toluene-d8  
Concen: 50.654 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

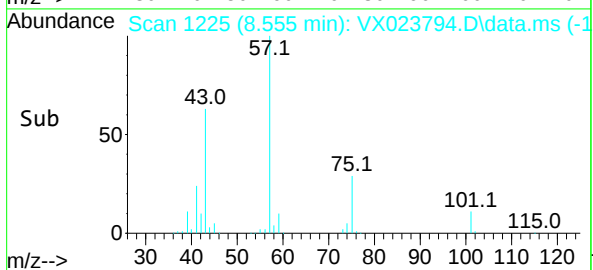
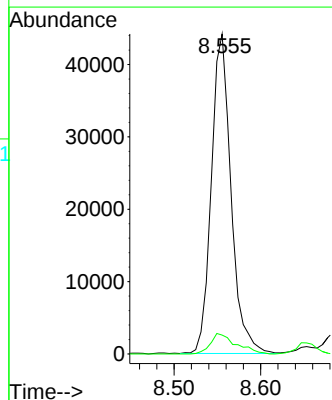
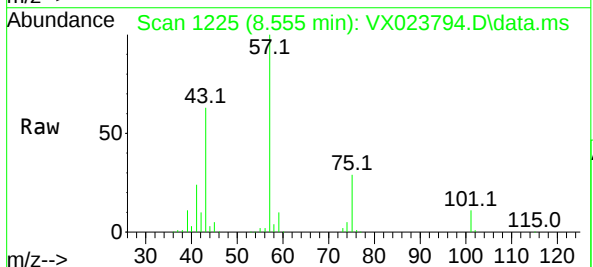
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

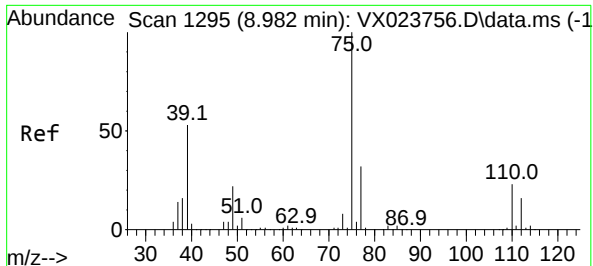
Tgt Ion: 98 Resp: 303417  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 25.506 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. -0.025 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 43 Resp: 69808  
Ion Ratio Lower Upper  
43 100  
58 8.3 35.4 53.0#

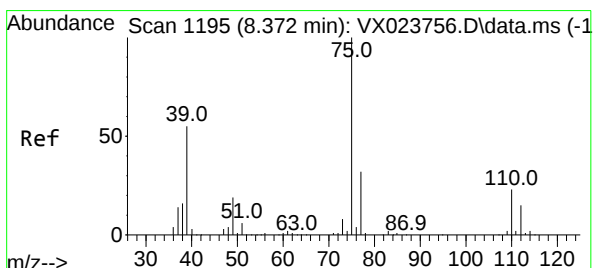
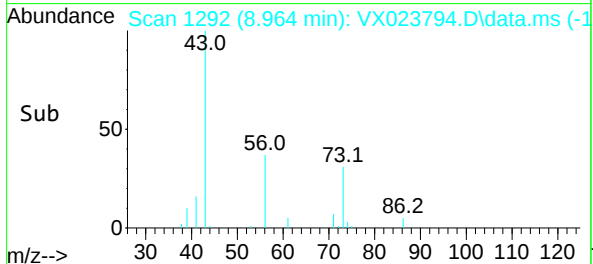
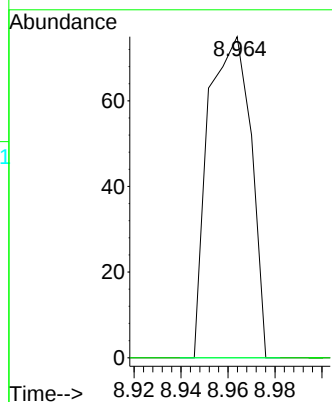
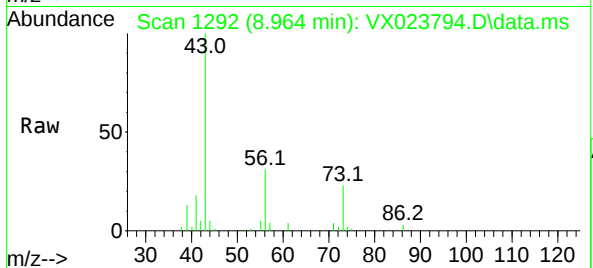




#53  
t-1,3-Dichloropropene  
Concen: 2.169 ug/l  
RT: 8.964 min Scan# 1292  
Delta R.T. -0.018 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

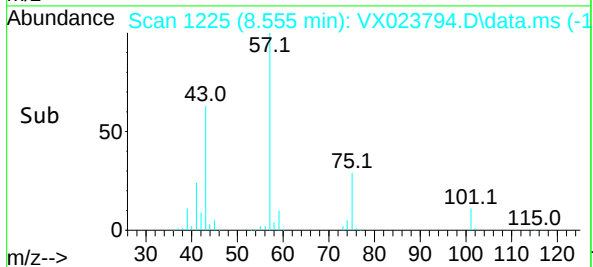
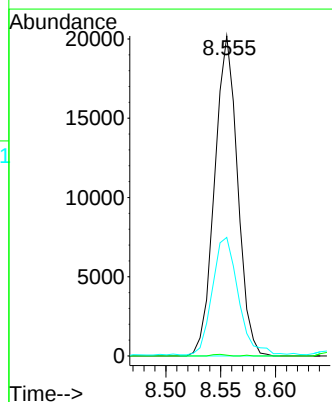
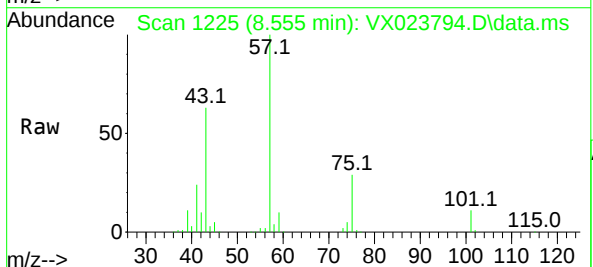
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

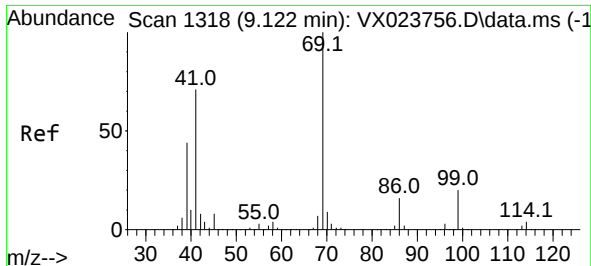
Tgt Ion: 75 Resp: 94  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#



#54  
cis-1,3-Dichloropropene  
Concen: 11.155 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.183 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 75 Resp: 29421  
Ion Ratio Lower Upper  
75 100  
77 0.3 25.7 38.5#  
39 36.7 35.1 52.7

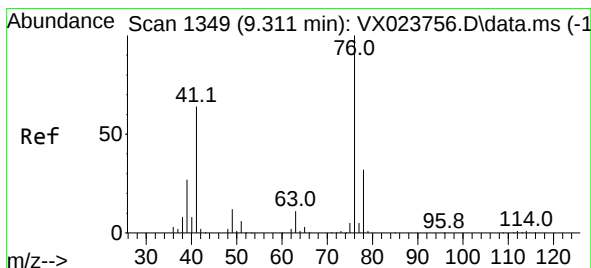
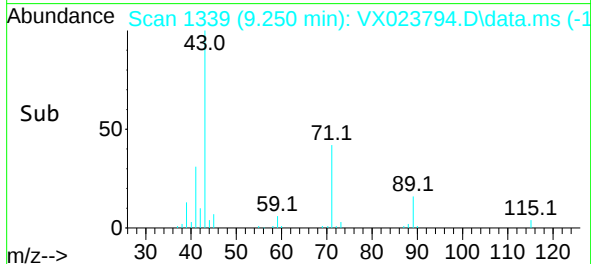
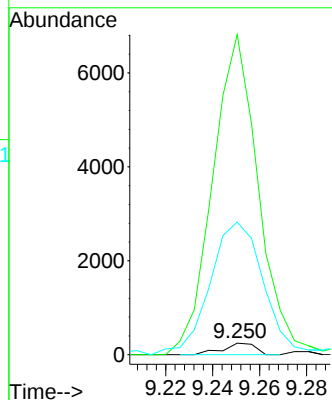
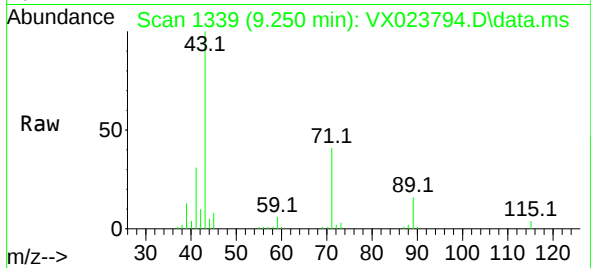




#56  
Ethyl methacrylate  
Concen: 0.838 ug/l  
RT: 9.250 min Scan# 1339  
Delta R.T. 0.128 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

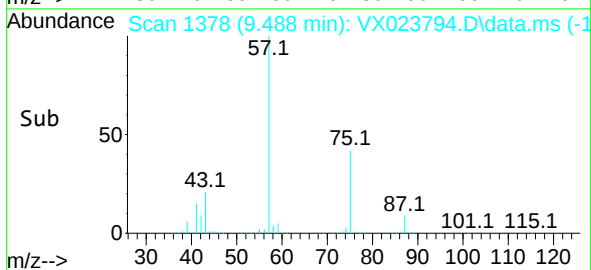
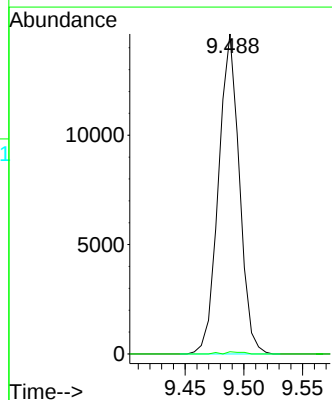
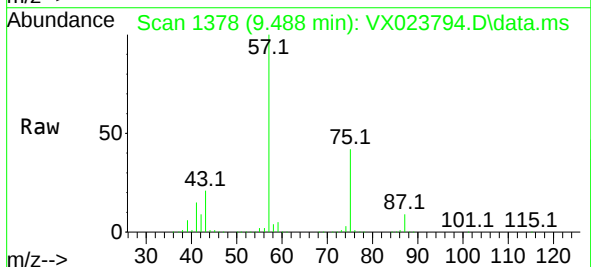
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

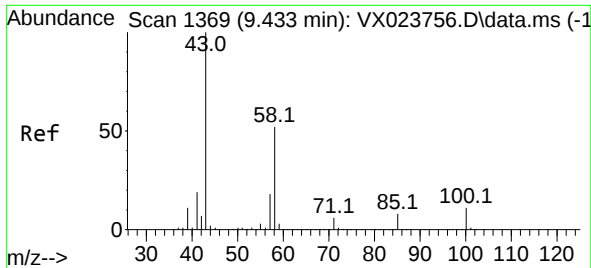
Tgt Ion: 69 Resp: 237  
Ion Ratio Lower Upper  
69 100  
41 3894.1 46.8 70.2#  
39 1902.5 24.7 37.1#



#57  
1,3-Dichloropropane  
Concen: 6.272 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.177 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 76 Resp: 18070  
Ion Ratio Lower Upper  
76 100  
78 0.6 26.2 39.2#

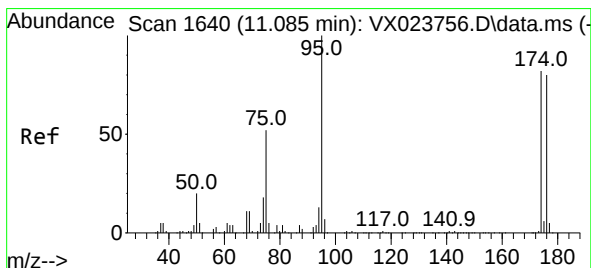
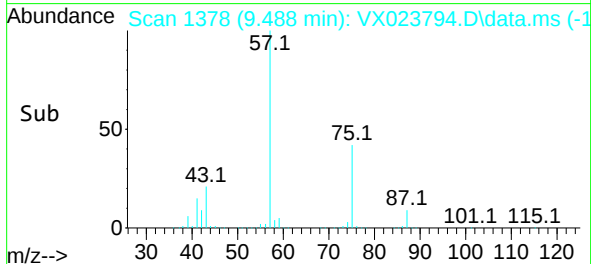
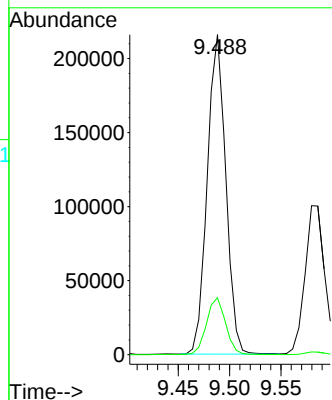
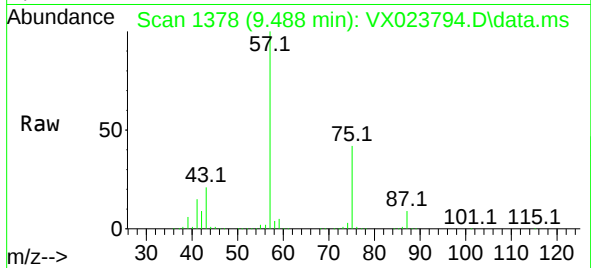




#59  
2-Hexanone  
Concen: 128.705 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.055 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

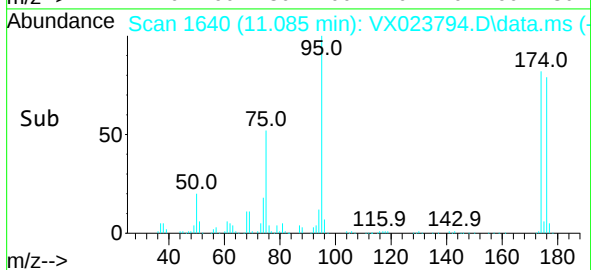
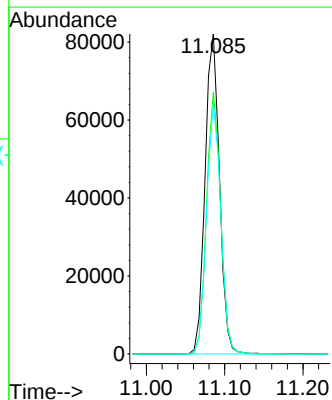
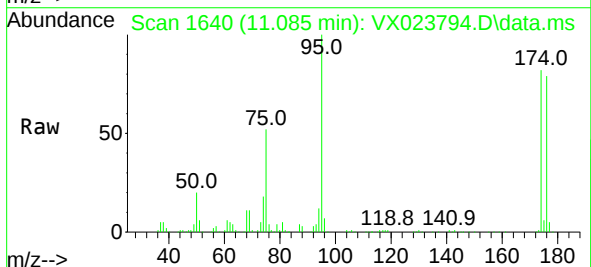
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

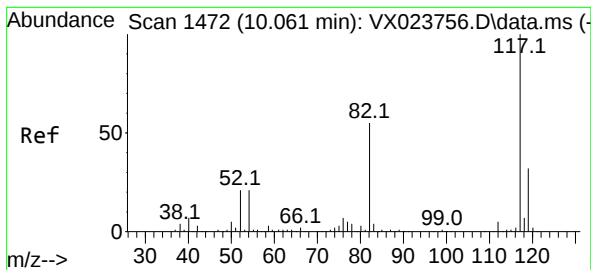
Tgt Ion: 43 Resp: 270767  
Ion Ratio Lower Upper  
43 100  
58 18.5 30.9 92.8#



#62  
4-Bromofluorobenzene  
Concen: 47.428 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 95 Resp: 104584  
Ion Ratio Lower Upper  
95 100  
174 80.6 0.0 154.6  
176 77.8 0.0 155.8

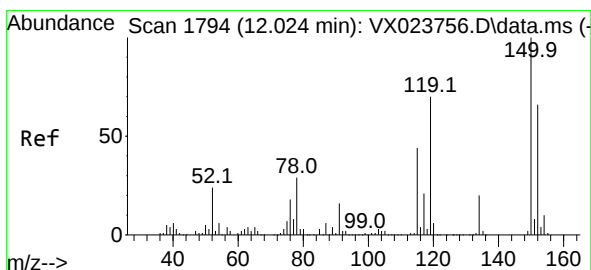
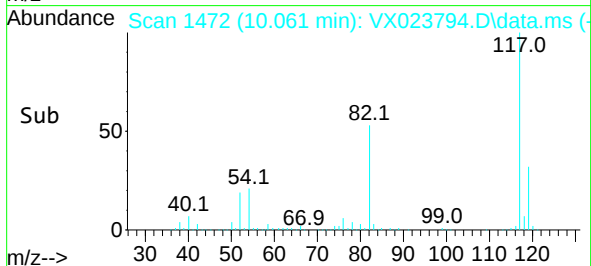
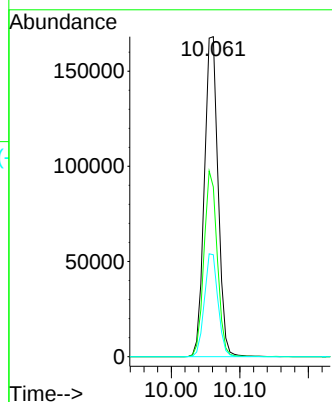
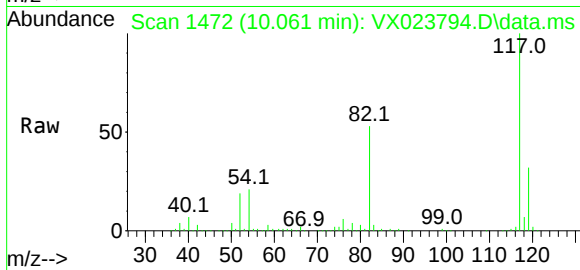




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

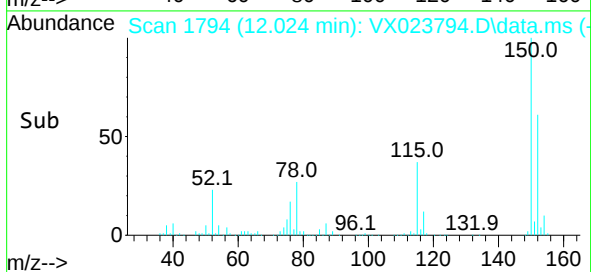
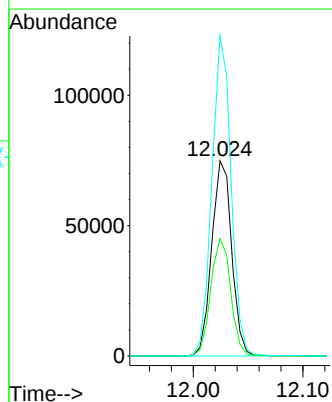
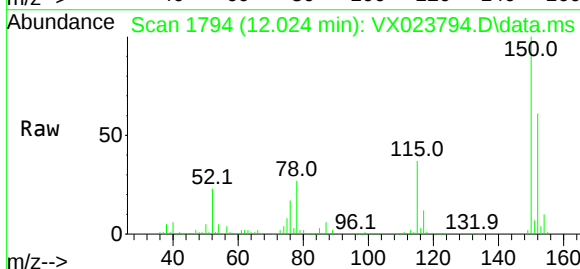
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

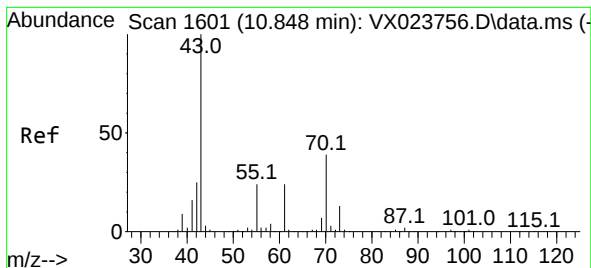
Tgt Ion:117 Resp: 234818  
Ion Ratio Lower Upper  
117 100  
82 53.0 47.4 71.2  
119 31.9 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion:152 Resp: 94782  
Ion Ratio Lower Upper  
152 100  
115 60.0 41.1 123.3  
150 158.1 0.0 349.0

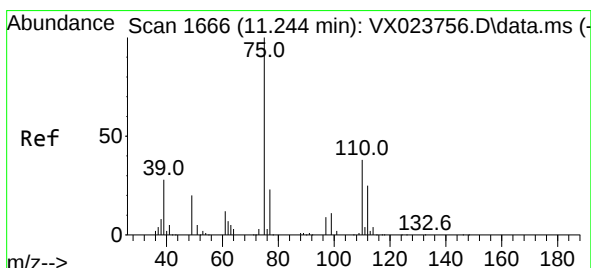
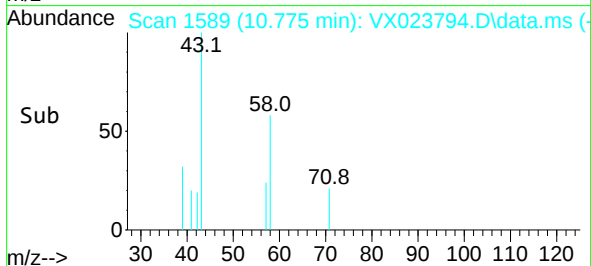
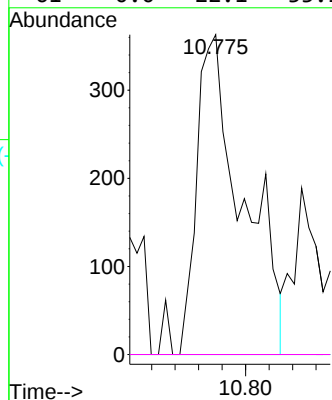
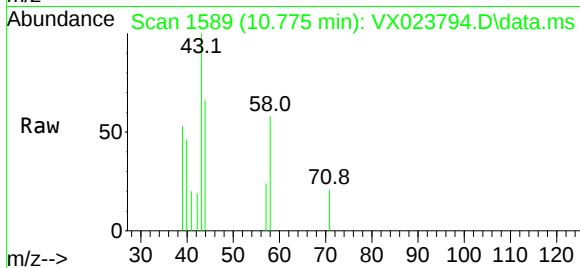




#74  
N-amy1 acetate  
Concen: 0.301 ug/l  
RT: 10.775 min Scan# 1589  
Delta R.T. -0.073 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

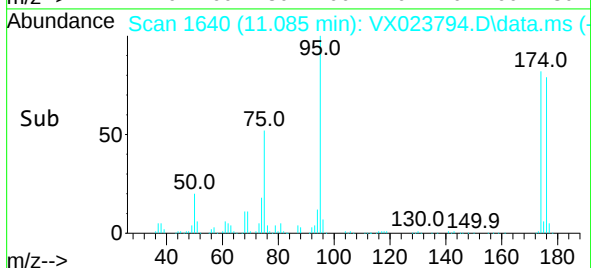
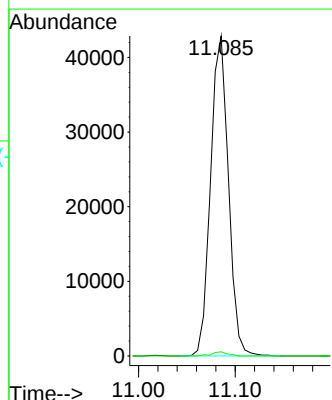
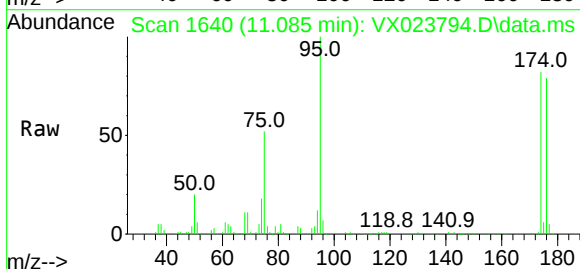
Instrument :  
MSVOA\_X  
ClientSampled :  
22S

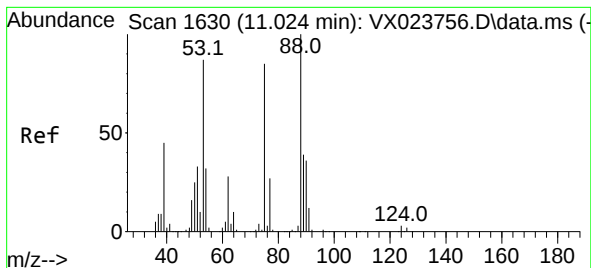
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 985         |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 70          | 0.0   | 39.0 58.6#  |
| 55          | 0.0   | 21.5 32.3#  |
| 61          | 0.0   | 22.1 33.1#  |



#76  
1,2,3-Trichloropropane  
Concen: 24.904 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 55064       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 1.1   | 19.1 57.5#  |

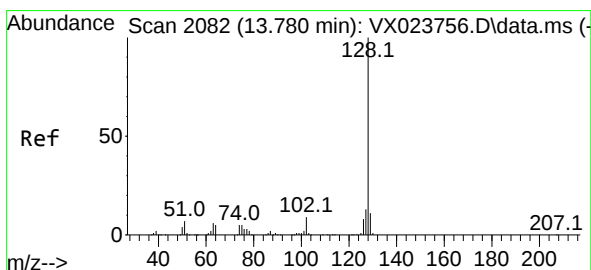
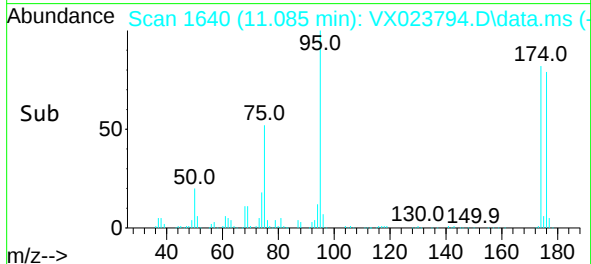
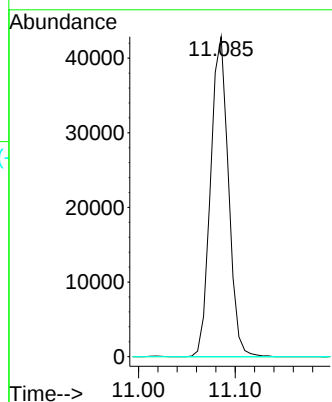
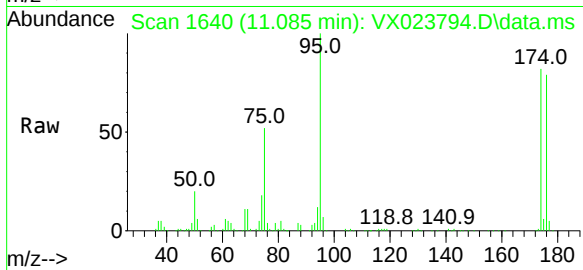




#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.257 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Instrument :  
MSVOA\_X  
ClientSampled :  
22S

Tgt Ion: 75 Resp: 55064  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.313 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VX023794.D  
Acq: 18 Aug 2021 04:15

Tgt Ion: 128 Resp: 220  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

