

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX033122\  
 Data File : VX027872.D  
 Acq On : 01 Apr 2022 01:37  
 Operator : JC/MD  
 Sample : N2074-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW181S-20220321

Quant Time: Apr 01 05:09:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 04:39:27 2022  
 Response via : Initial Calibration

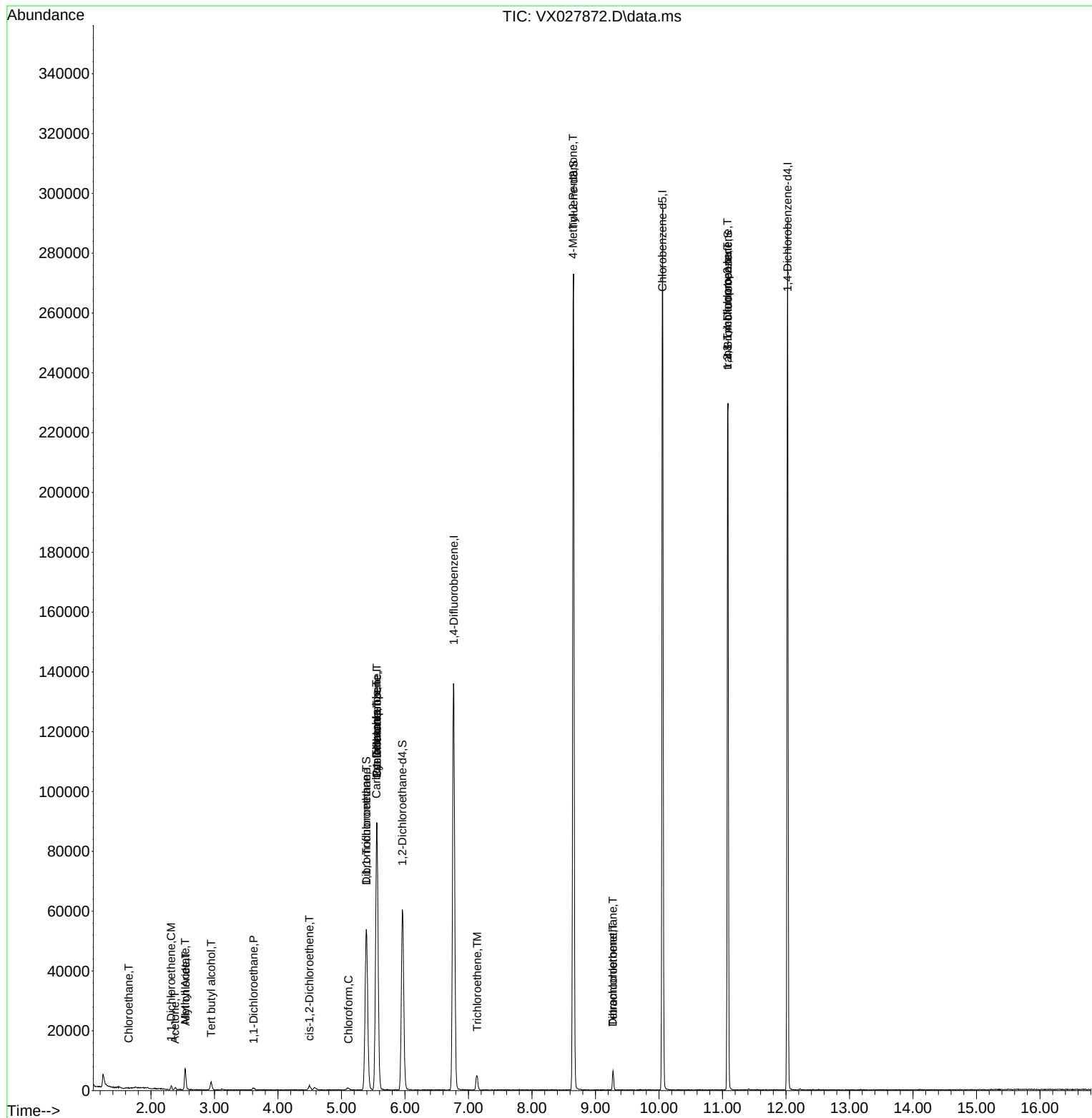
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 75891    | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.769     | 114   | 131163   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 122886   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 52422    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 62419    | 63.745   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 61 - 141 | Recovery | = 127.480% |          |
| 35) Dibromofluoromethane      | 5.391     | 113   | 45402    | 53.627   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 69 - 133 | Recovery | = 107.260% |          |
| 50) Toluene-d8                | 8.653     | 98    | 159194   | 53.442   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 126 | Recovery | = 106.880% |          |
| 62) 4-Bromofluorobenzene      | 11.085    | 95    | 63846    | 50.436   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 135 | Recovery | = 100.880% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 6) Chloroethane               | 1.648     | 64    | 105      | 0.250    | ug/l       | # 43     |
| 11) Tert butyl alcohol        | 2.947     | 59    | 1541     | 8.193    | ug/l       | # 72     |
| 12) 1,1-Dichloroethene        | 2.319     | 96    | 480      | 0.736    | ug/l       | 85       |
| 14) Allyl chloride            | 2.544     | 41    | 672      | 0.561    | ug/l       | # 61     |
| 16) Acetone                   | 2.380     | 43    | 845      | 1.950    | ug/l       | # 80     |
| 18) Methyl Acetate            | 2.538     | 43    | 2088     | 1.955    | ug/l       | # 46     |
| 24) 1,1-Dichloroethane        | 3.617     | 63    | 970      | 0.719    | ug/l       | # 81     |
| 27) cis-1,2-Dichloroethene    | 4.495     | 96    | 875      | 1.025    | ug/l       | 93       |
| 30) Chloroform                | 5.111     | 83    | 1073     | 0.715    | ug/l       | # 79     |
| 31) Cyclohexane               | 5.556     | 56    | 1918     | 1.772    | ug/l       | # 28     |
| 32) 1,1,1-Trichloroethane     | 5.391     | 97    | 494      | 0.381    | ug/l       | # 24     |
| 36) 1,1-Dichloropropene       | 5.556     | 75    | 6941     | 6.509    | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 8580     | 7.283    | ug/l       | # 14     |
| 44) Trichloroethene           | 7.135     | 130   | 1978     | 2.252    | ug/l       | 86       |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43    | 764      | 0.520    | ug/l       | # 1      |
| 60) Dibromochloromethane      | 9.275     | 129   | 1134     | 1.211    | ug/l       | # 9      |
| 64) Tetrachloroethene         | 9.275     | 164   | 1126     | 1.351    | ug/l       | 90       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 35660    | 28.998   | ug/l       | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 35660    | 84.582   | ug/l       | # 15     |
| -----                         |           |       |          |          |            |          |

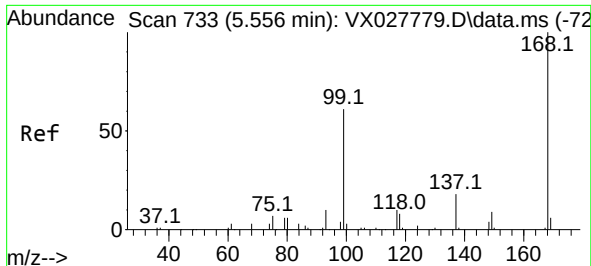
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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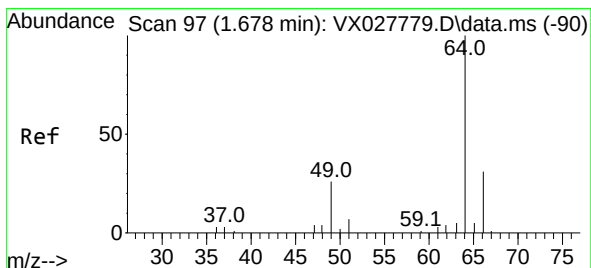
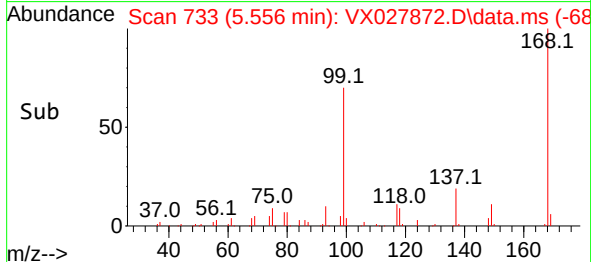
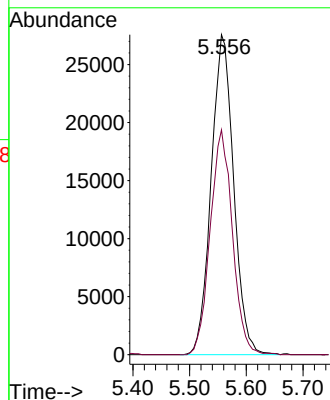
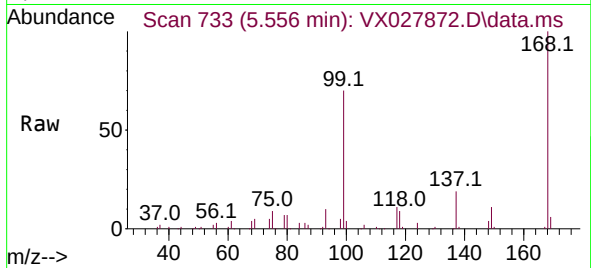




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

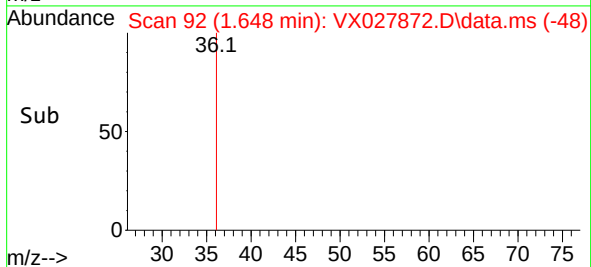
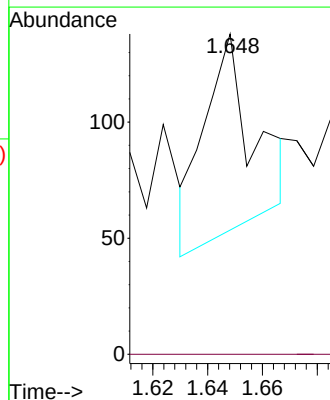
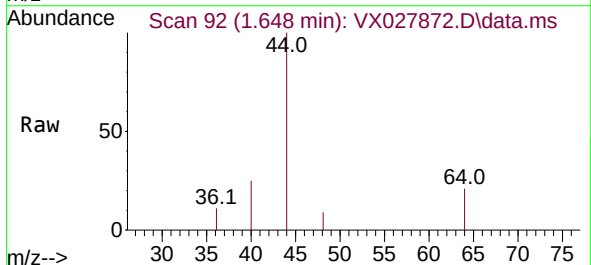
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW181S-20220321

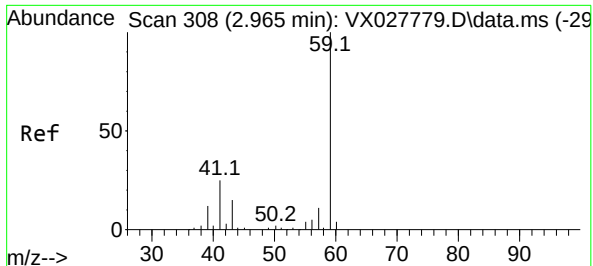
Tgt Ion:168 Resp: 75891  
Ion Ratio Lower Upper  
168 100  
99 70.2 41.7 62.5#



#6  
Chloroethane  
Concen: 0.250 ug/l  
RT: 1.648 min Scan# 92  
Delta R.T. -0.030 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion: 64 Resp: 105  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 8.193 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX027872.D

Acq: 01 Apr 2022 01:37

Instrument :

MSVOA\_X

ClientSampleId :

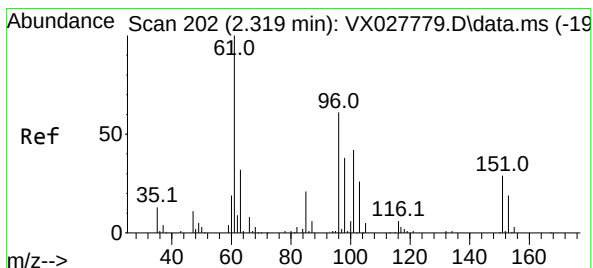
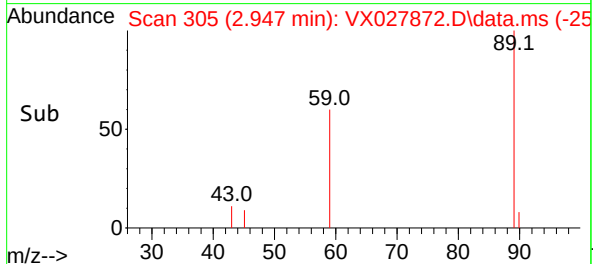
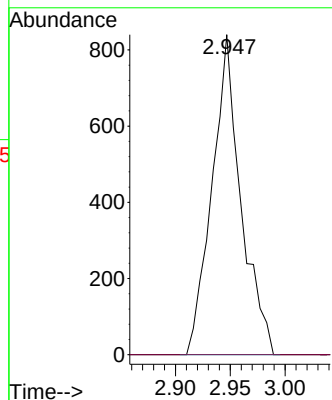
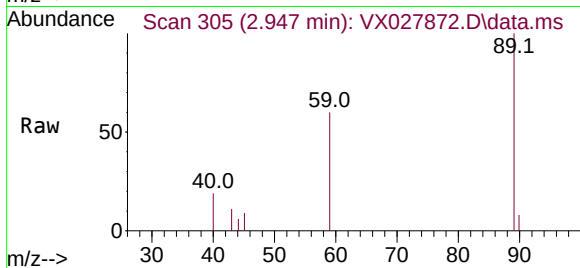
MW181S-20220321

Tgt Ion: 59 Resp: 1541

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.736 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX027872.D

Acq: 01 Apr 2022 01:37

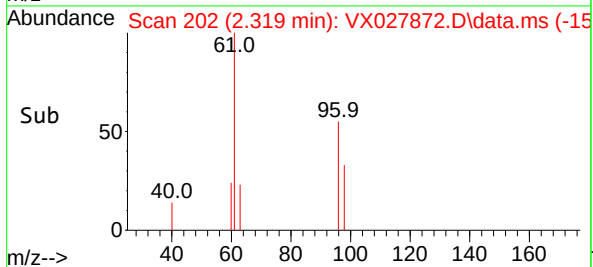
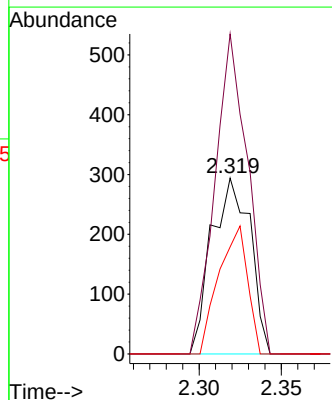
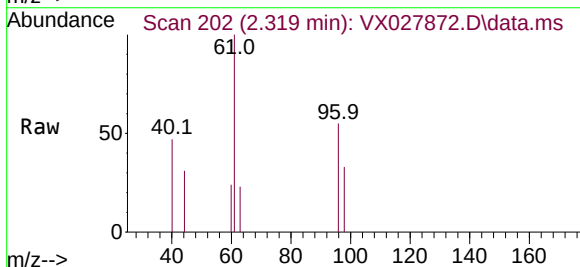
Tgt Ion: 96 Resp: 480

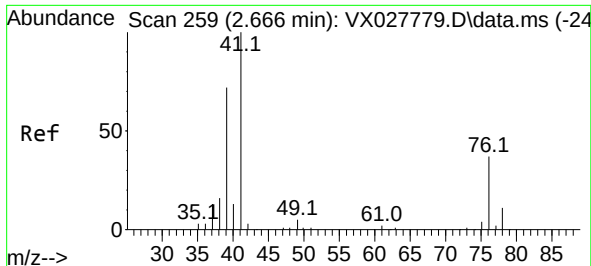
Ion Ratio Lower Upper

96 100

61 182.0 124.6 187.0

98 60.9 51.0 76.4

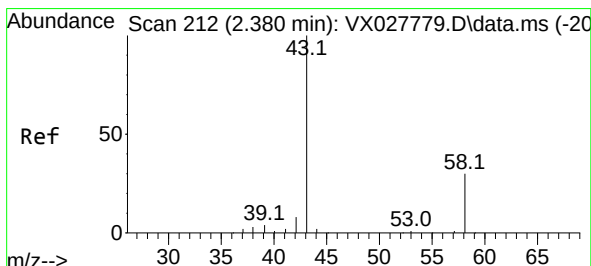
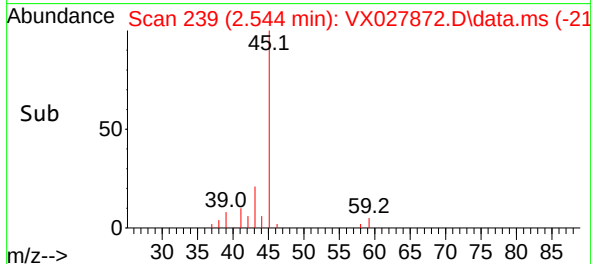
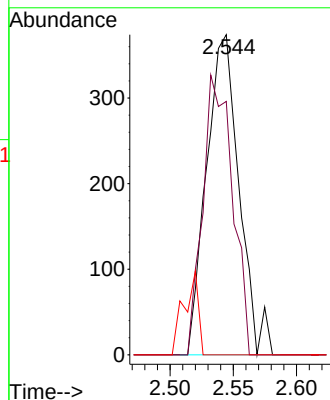
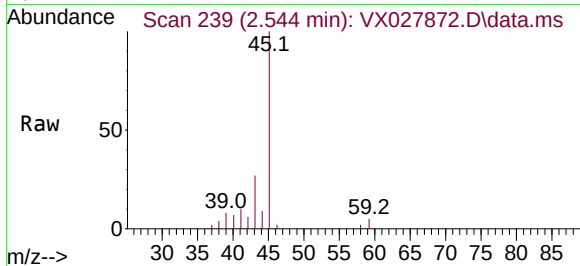




#14  
 Allyl chloride  
 Concen: 0.561 ug/l  
 RT: 2.544 min Scan# 21  
 Delta R.T. -0.122 min  
 Lab File: VX027872.D  
 Acq: 01 Apr 2022 01:37

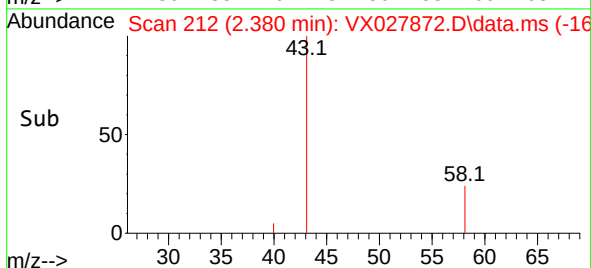
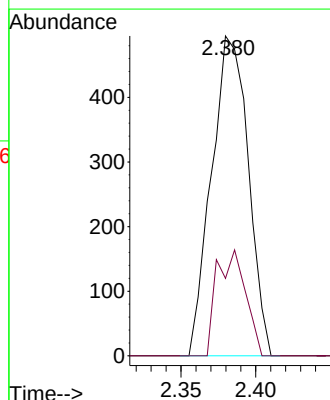
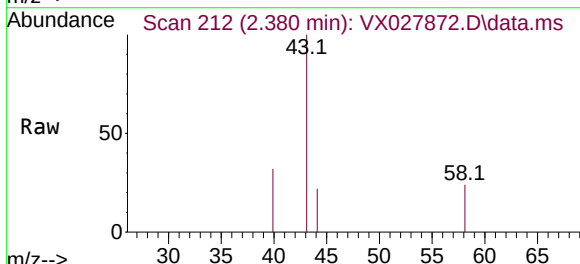
Instrument :  
 MSVOA\_X  
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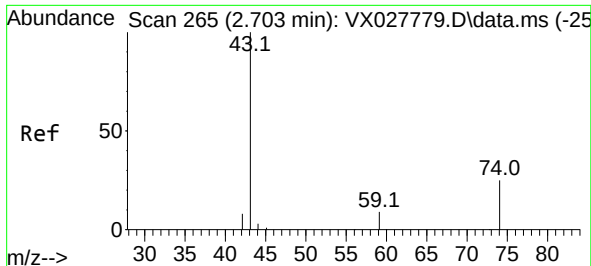
Tgt Ion: 41 Resp: 672  
 Ion Ratio Lower Upper  
 41 100  
 39 79.3 50.4 75.6#  
 76 0.0 32.7 49.1#



#16  
 Acetone  
 Concen: 1.950 ug/l  
 RT: 2.380 min Scan# 212  
 Delta R.T. -0.000 min  
 Lab File: VX027872.D  
 Acq: 01 Apr 2022 01:37

Tgt Ion: 43 Resp: 845  
 Ion Ratio Lower Upper  
 43 100  
 58 24.2 28.8 43.2#

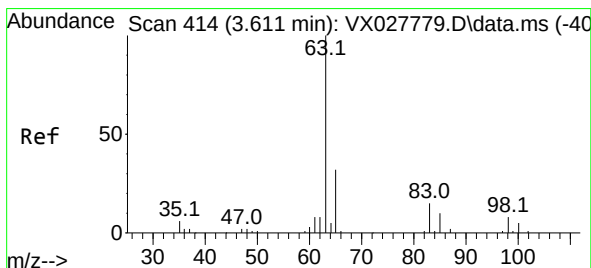
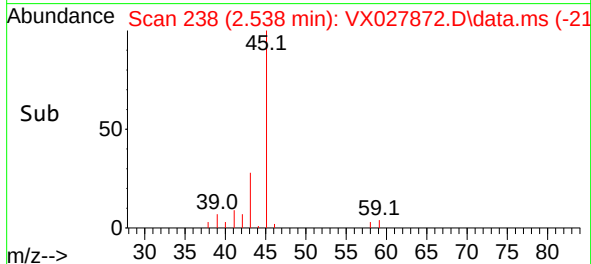
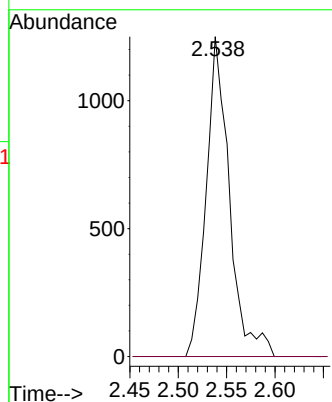
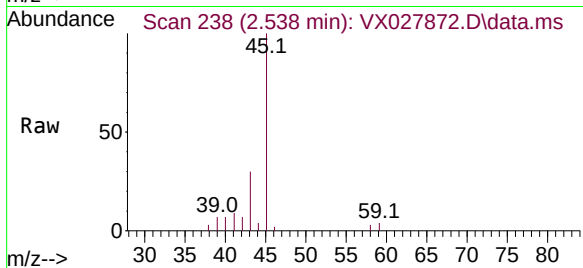




#18  
Methyl Acetate  
Concen: 1.955 ug/l  
RT: 2.538 min Scan# 21  
Delta R.T. -0.165 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

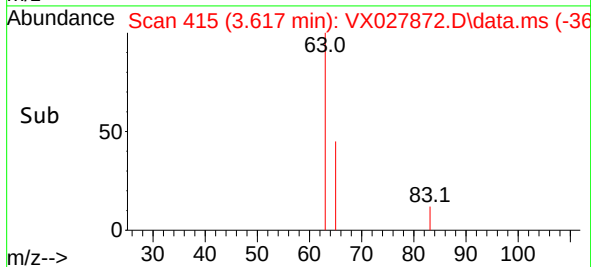
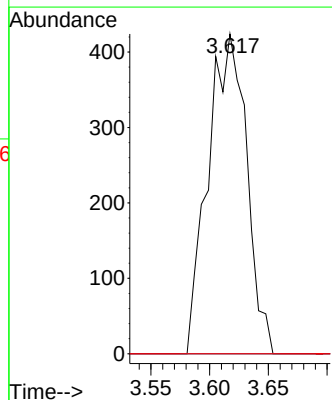
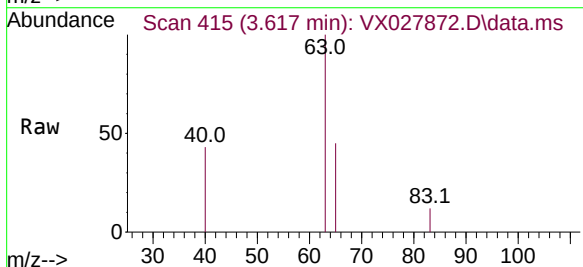
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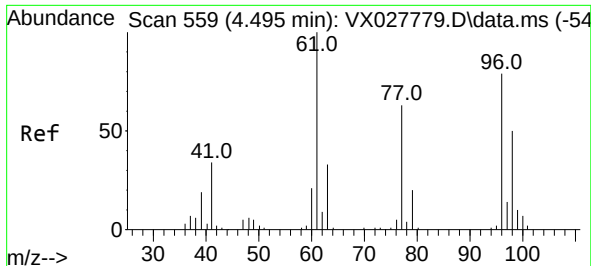
Tgt Ion: 43 Resp: 2088  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.8 34.2#



#24  
1,1-Dichloroethane  
Concen: 0.719 ug/l  
RT: 3.617 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion: 63 Resp: 970  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.9 11.7#  
100 0.0 2.4 7.2#





#27

cis-1,2-Dichloroethene

Concen: 1.025 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX027872.D

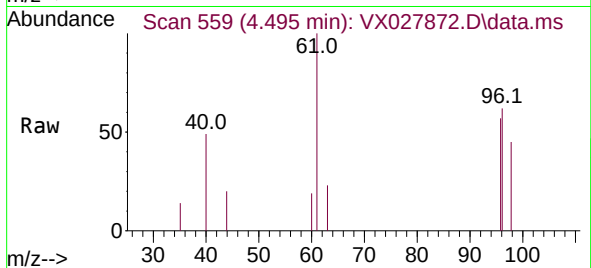
Acq: 01 Apr 2022 01:37

Instrument :

MSVOA\_X

ClientSampleId :

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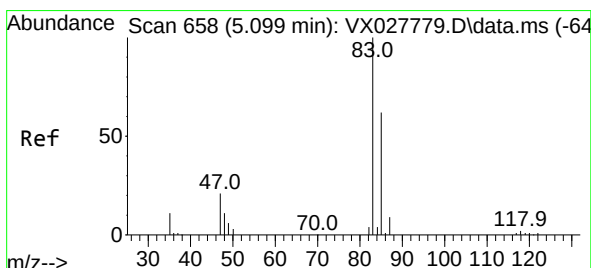
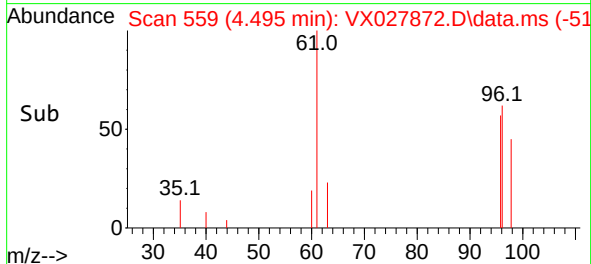
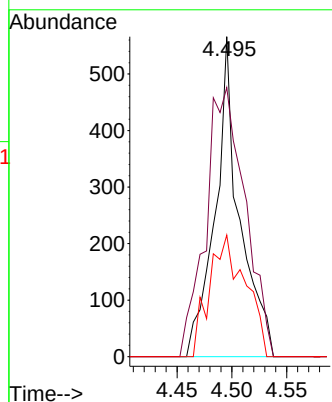
Tgt Ion: 96 Resp: 875

Ion Ratio Lower Upper

96 100

61 136.0 0.0 283.8

98 56.2 0.0 129.8



#30

Chloroform

Concen: 0.715 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.012 min

Lab File: VX027872.D

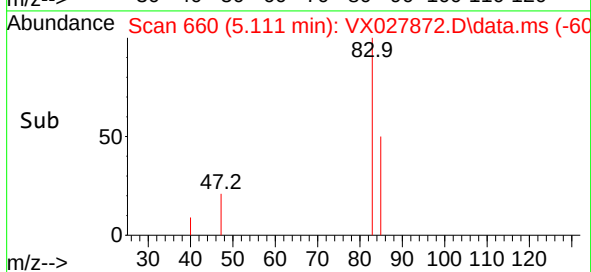
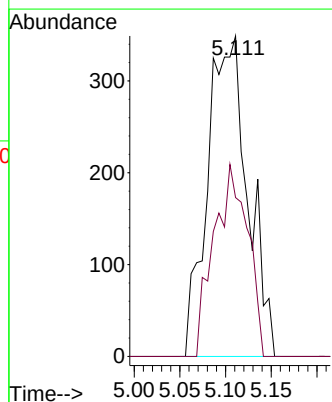
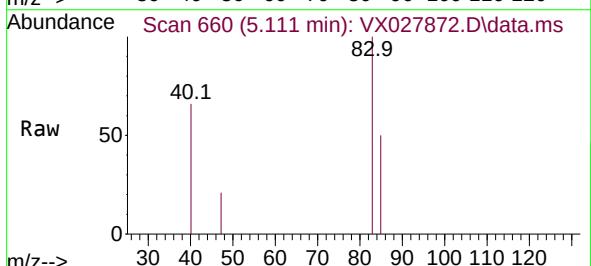
Acq: 01 Apr 2022 01:37

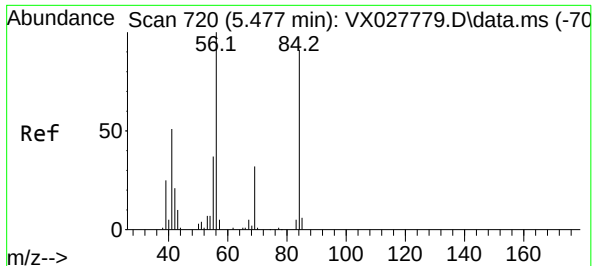
Tgt Ion: 83 Resp: 1073

Ion Ratio Lower Upper

83 100

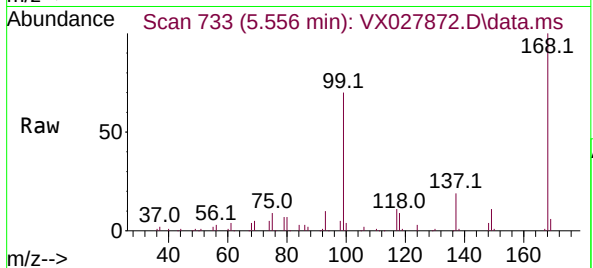
85 49.6 52.7 79.1#





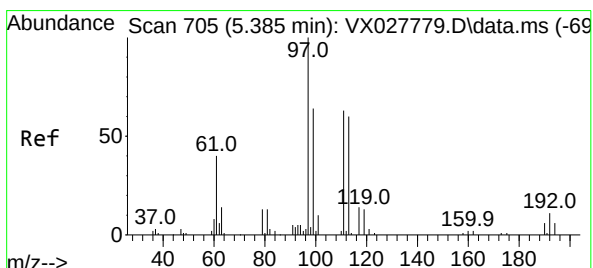
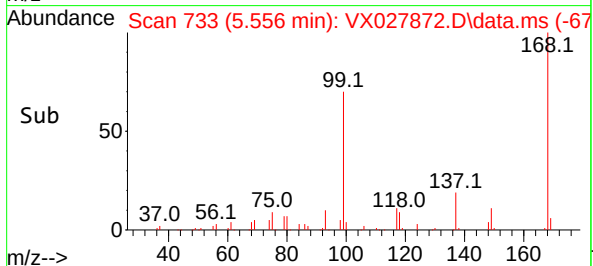
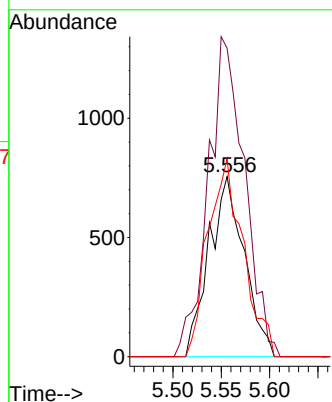
#31  
Cyclohexane  
Concen: 1.772 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. 0.079 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

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Tgt Ion: 56 Resp: 1918

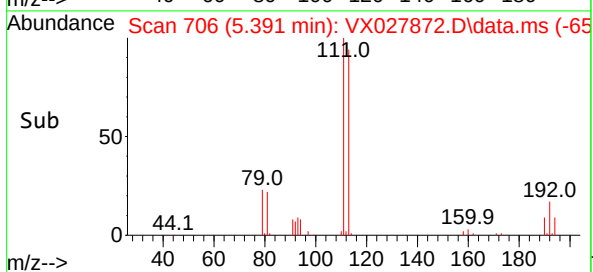
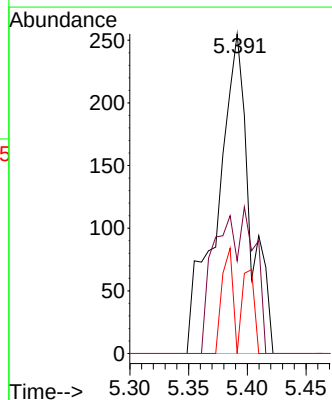
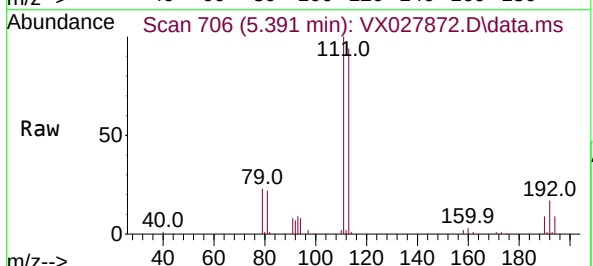
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 171.2 | 26.7  | 40.1# |
| 84  | 109.8 | 77.2  | 115.8 |



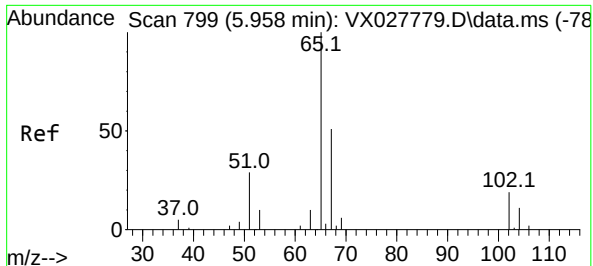
#32  
1,1,1-Trichloroethane  
Concen: 0.381 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion: 97 Resp: 494

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 0.0   | 51.8  | 77.6# |
| 61  | 0.0   | 34.0  | 51.0# |







#33

1,2-Dichloroethane-d4

Concen: 63.745 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027872.D

Acq: 01 Apr 2022 01:37

Instrument :

MSVOA\_X

ClientSampleId :

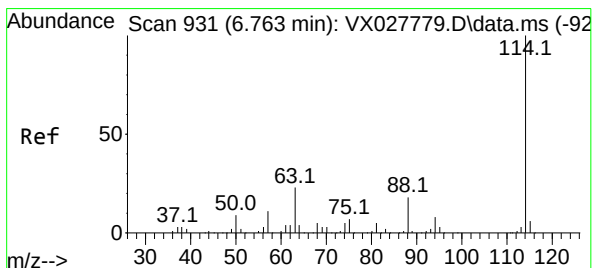
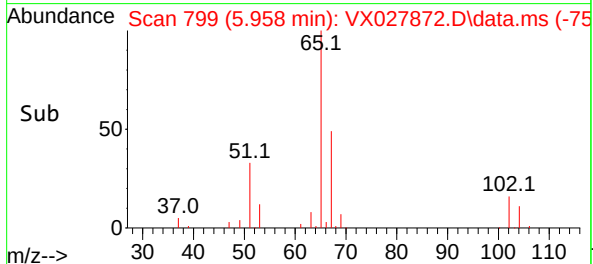
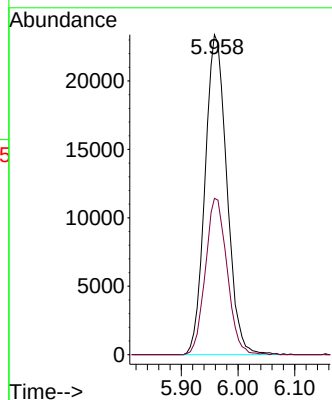
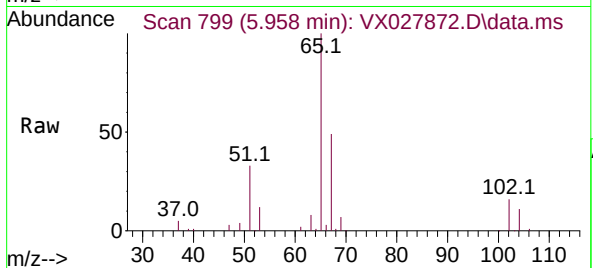
MW181S-20220321

Tgt Ion: 65 Resp: 62419

Ion Ratio Lower Upper

65 100

67 48.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027872.D

Acq: 01 Apr 2022 01:37

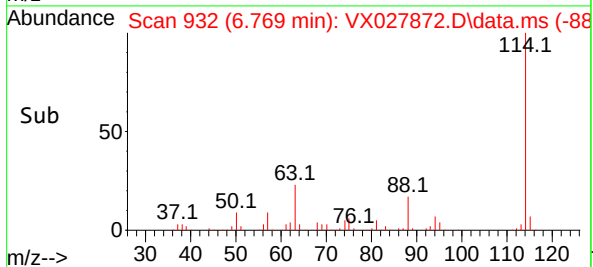
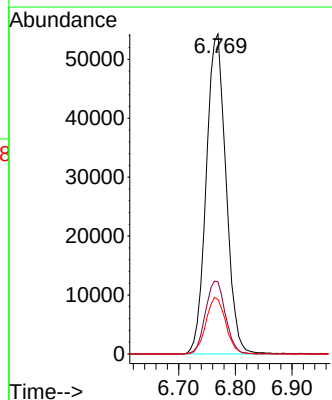
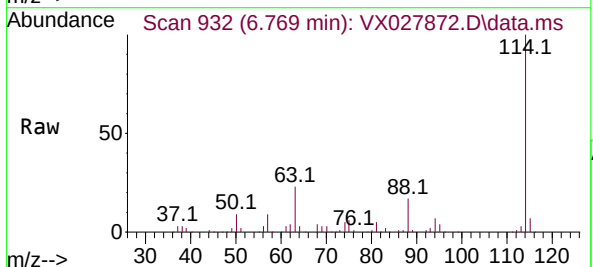
Tgt Ion: 114 Resp: 131163

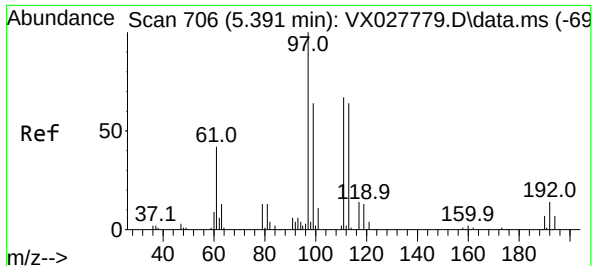
Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.8

88 17.1 0.0 32.4

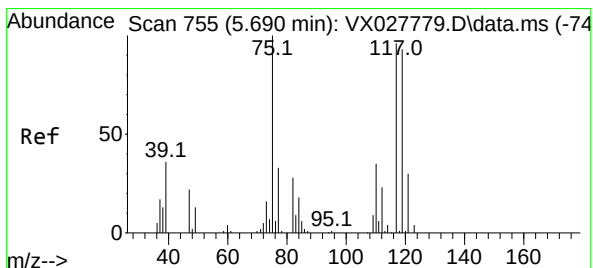
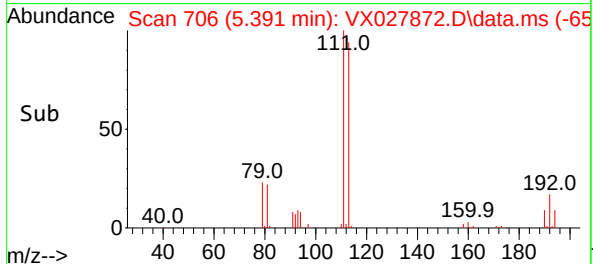
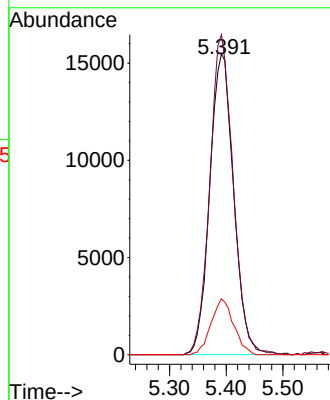
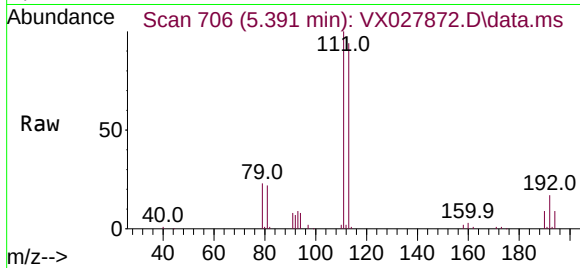




#35  
Dibromofluoromethane  
Concen: 53.627 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

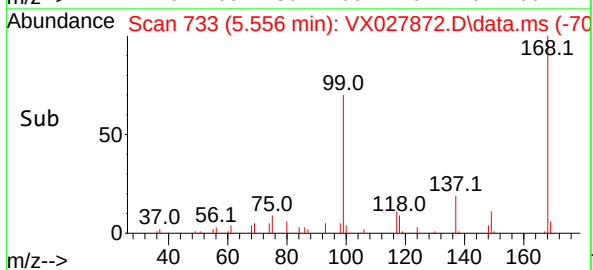
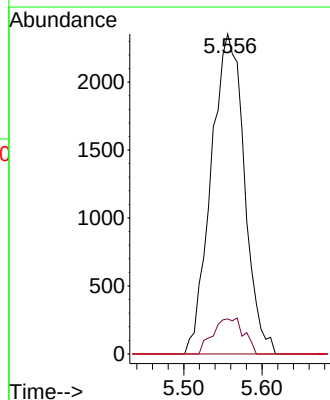
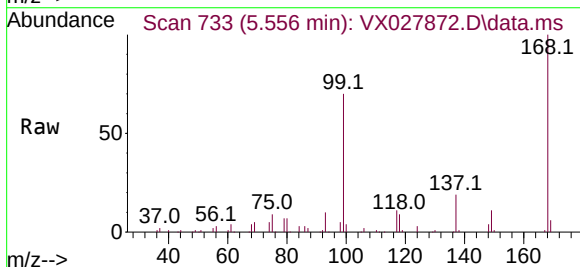
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW181S-20220321

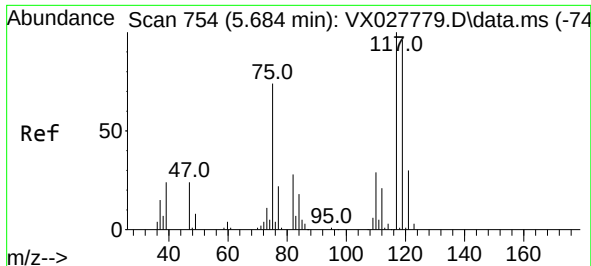
Tgt Ion:113 Resp: 45402  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.8 124.2  
192 17.5 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 6.509 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

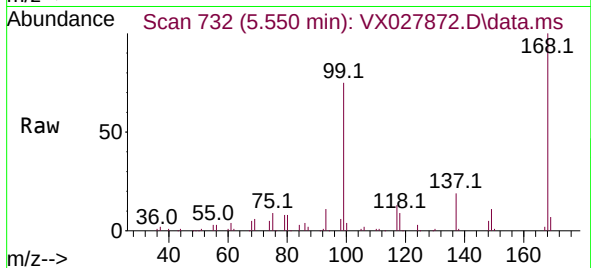
Tgt Ion: 75 Resp: 6941  
Ion Ratio Lower Upper  
75 100  
110 10.3 18.3 54.8#  
77 0.0 24.8 37.2#



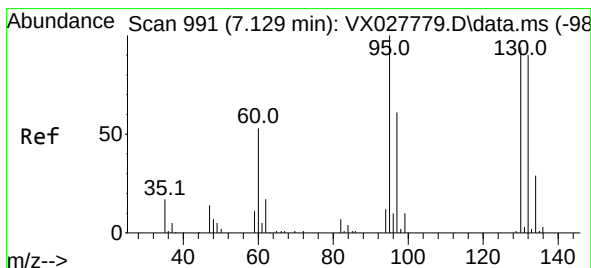
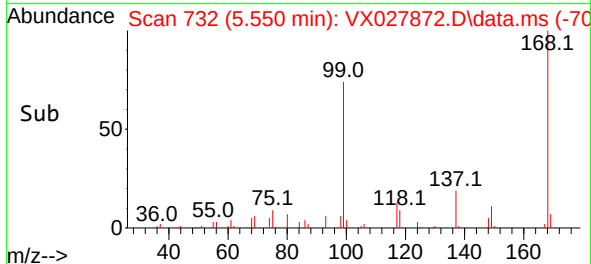
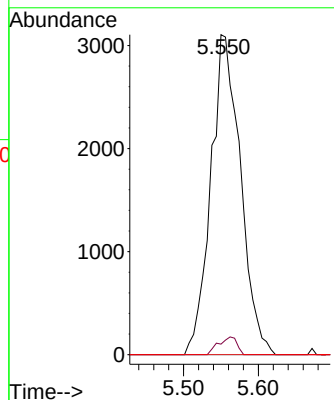


#38  
Carbon Tetrachloride  
Concen: 7.283 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW181S-20220321

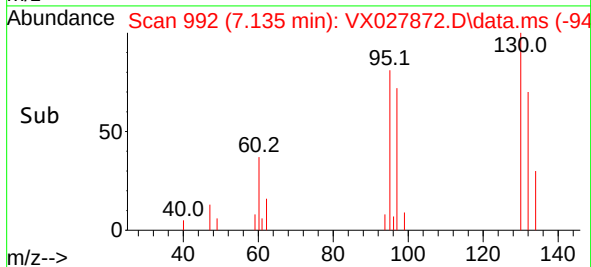
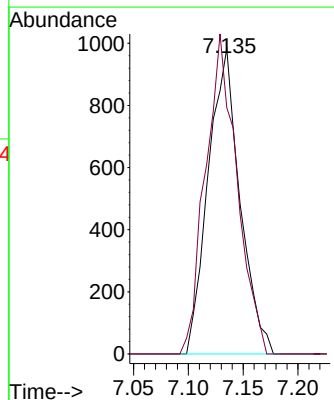
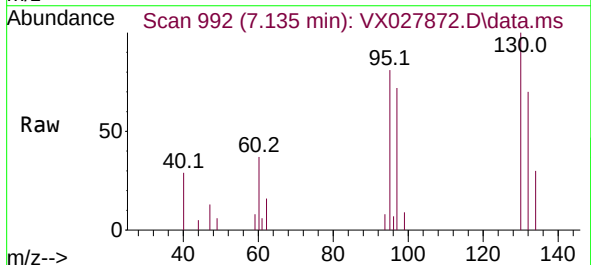


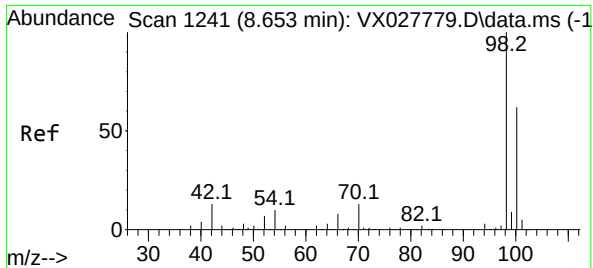
Tgt Ion:117 Resp: 8580  
Ion Ratio Lower Upper  
117 100  
119 3.3 77.3 115.9#  
121 0.0 24.2 36.2#



#44  
Trichloroethene  
Concen: 2.252 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion:130 Resp: 1978  
Ion Ratio Lower Upper  
130 100  
95 80.7 0.0 188.8

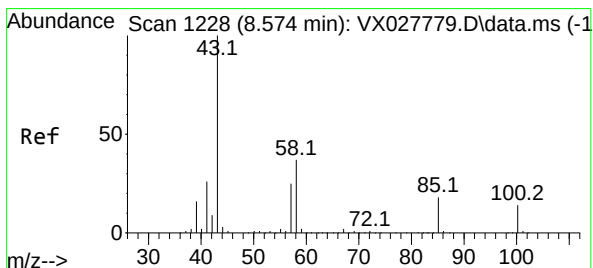
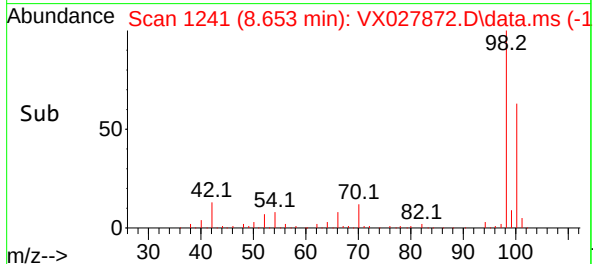
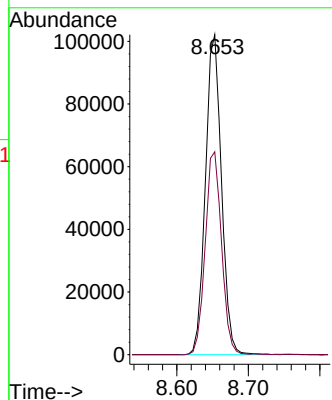
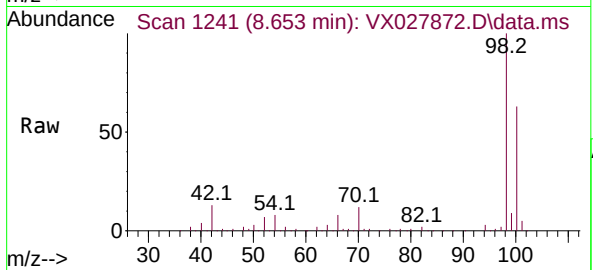




#50  
Toluene-d8  
Concen: 53.442 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

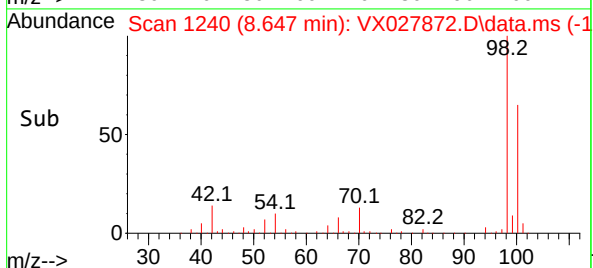
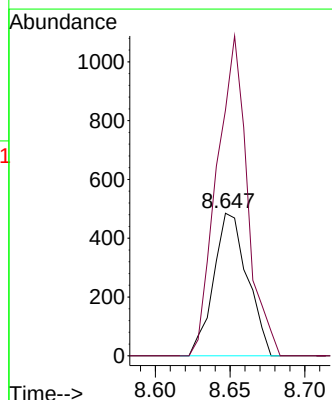
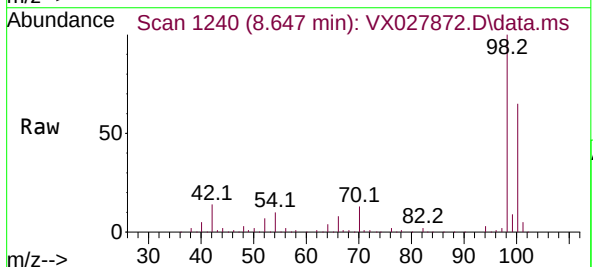
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW181S-20220321

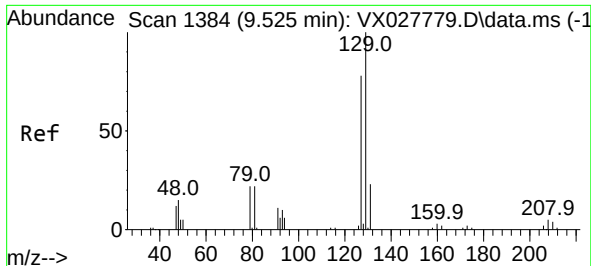
Tgt Ion: 98 Resp: 159194  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.520 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion: 43 Resp: 764  
Ion Ratio Lower Upper  
43 100  
58 202.7 36.1 54.1#

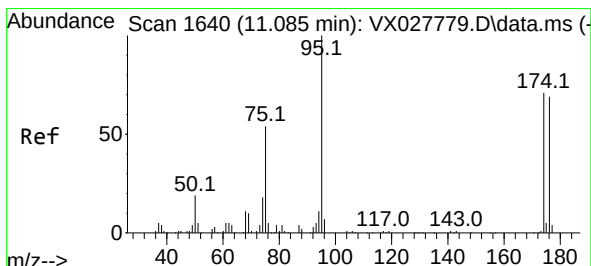
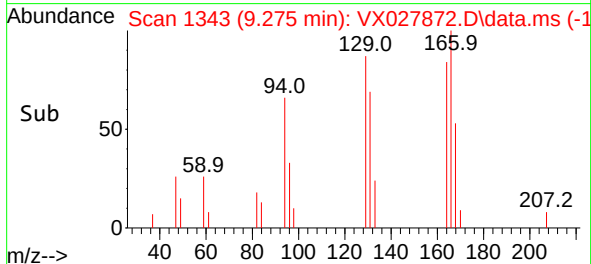
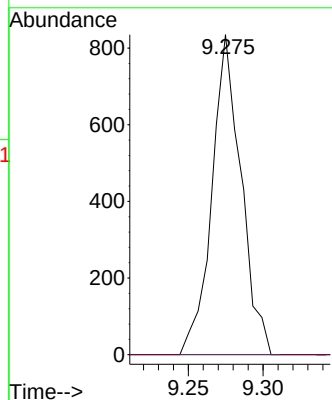
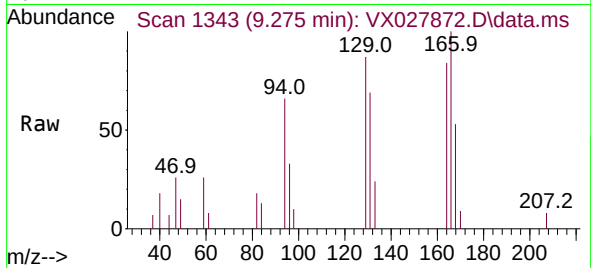




#60  
Dibromochloromethane  
Concen: 1.211 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.250 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

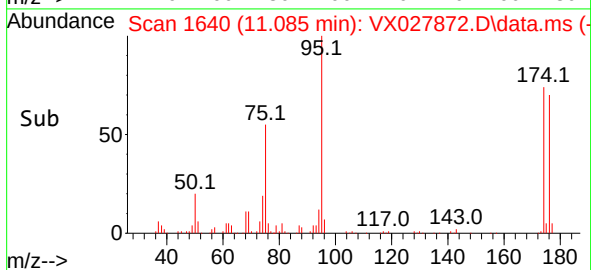
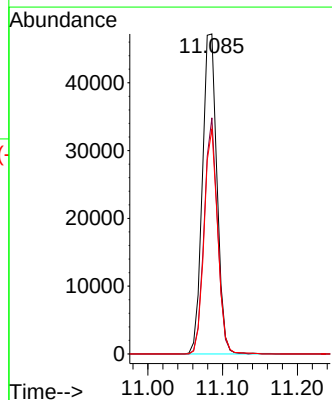
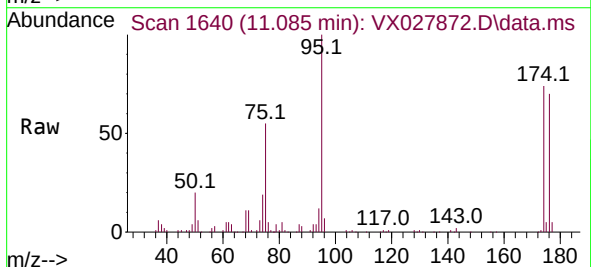
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW181S-20220321

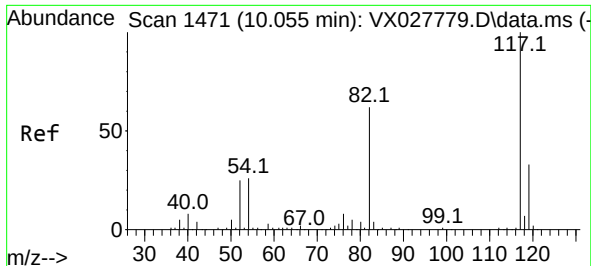
Tgt Ion:129 Resp: 1134  
Ion Ratio Lower Upper  
129 100  
127 0.0 40.3 120.8#



#62  
4-Bromofluorobenzene  
Concen: 50.436 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion: 95 Resp: 63846  
Ion Ratio Lower Upper  
95 100  
174 67.4 0.0 163.0  
176 65.6 0.0 155.0

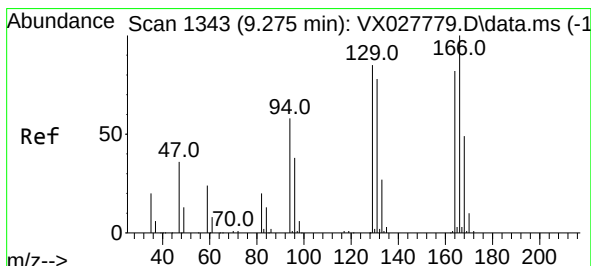
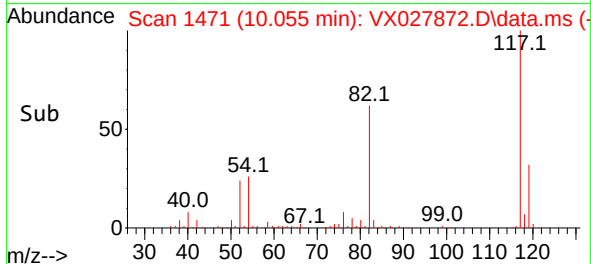
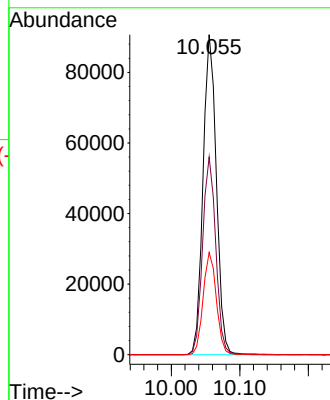
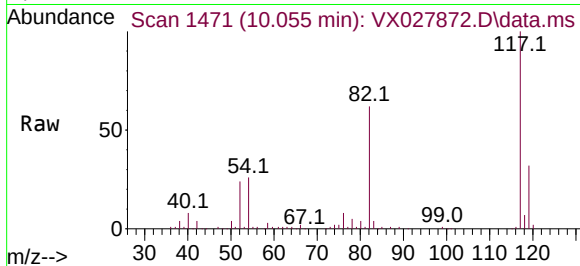




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

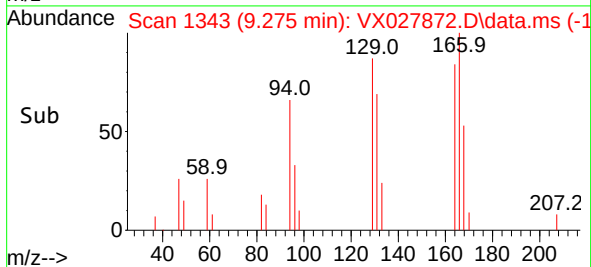
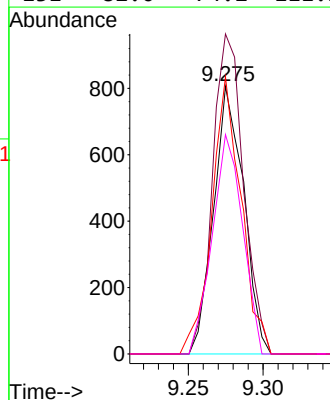
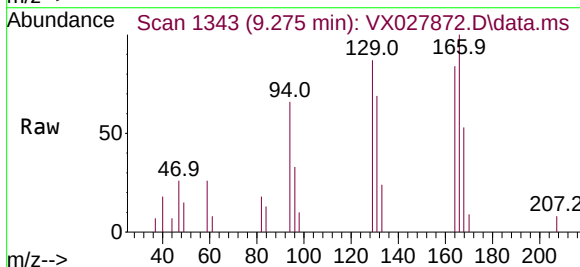
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW181S-20220321

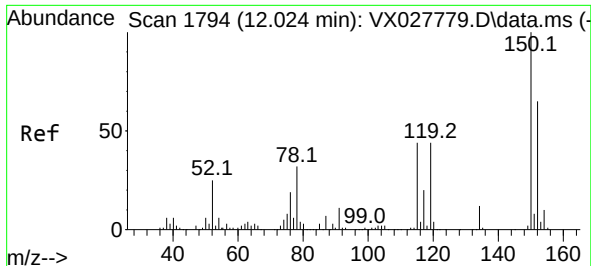
Tgt Ion:117 Resp: 122886  
Ion Ratio Lower Upper  
117 100  
82 61.8 41.8 62.8  
119 32.0 24.8 37.2



#64  
Tetrachloroethene  
Concen: 1.351 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion:164 Resp: 1126  
Ion Ratio Lower Upper  
164 100  
166 119.6 101.2 151.8  
129 103.6 73.0 109.4  
131 82.0 74.2 111.2

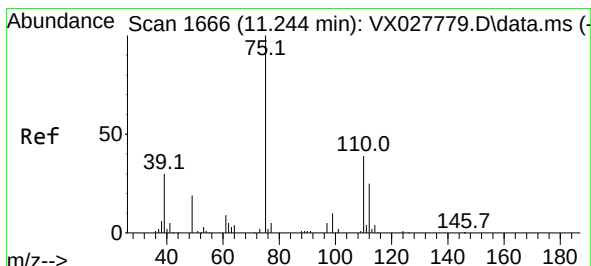
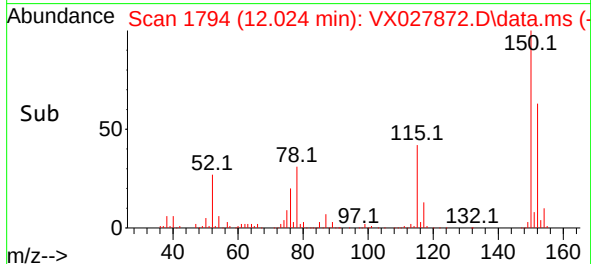
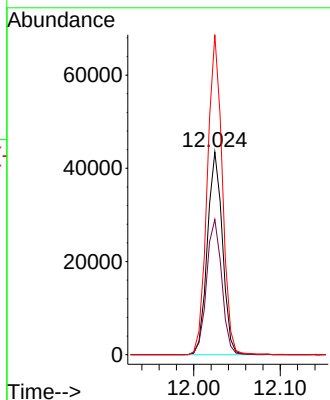
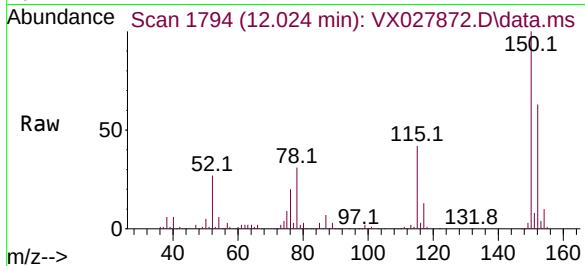




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

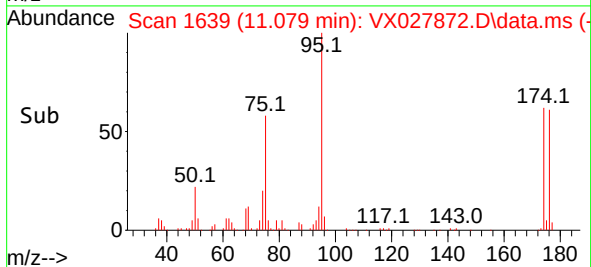
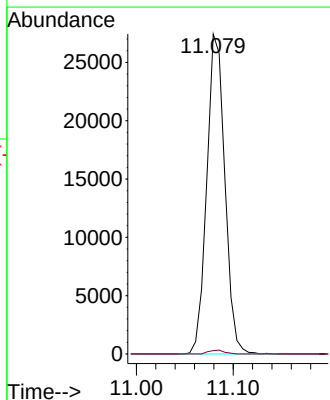
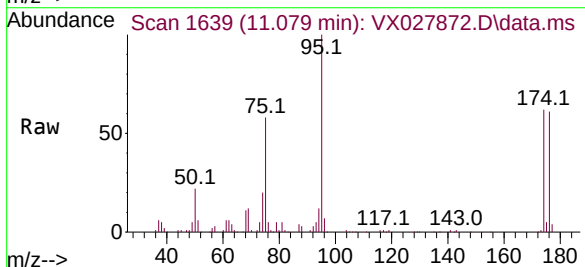
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MSVOA\_X  
ClientSampleId :  
MW181S-20220321

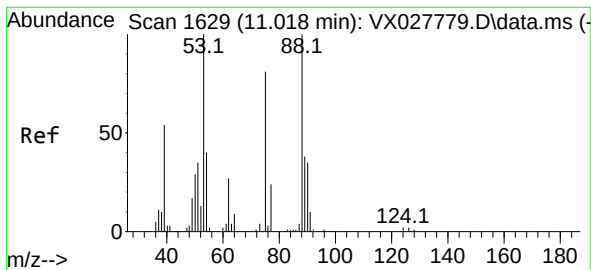
Tgt Ion:152 Resp: 52422  
Ion Ratio Lower Upper  
152 100  
115 67.3 37.5 112.7  
150 157.2 0.0 338.2



#76  
1,2,3-Trichloropropane  
Concen: 28.998 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX027872.D  
Acq: 01 Apr 2022 01:37

Tgt Ion: 75 Resp: 35660  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 84.582 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX027872.D  
 Acq: 01 Apr 2022 01:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW181S-20220321

Tgt Ion: 75 Resp: 35660  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#

