

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041222\  
 Data File : VX028075.D  
 Acq On : 12 Apr 2022 22:36  
 Operator : JC/MD  
 Sample : N2334-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-25

Quant Time: Apr 13 01:15:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

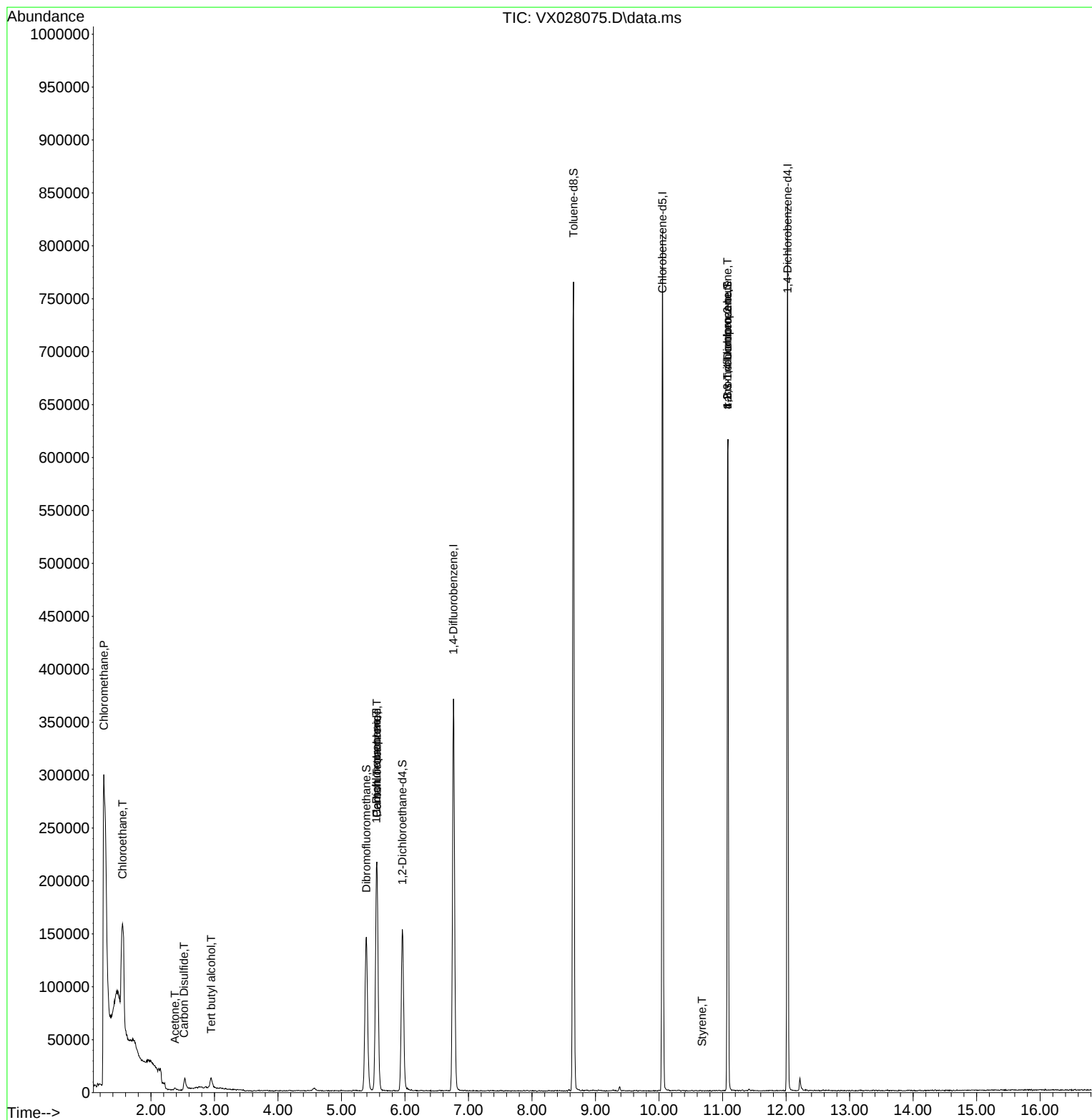
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 211550   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 369860   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 347643   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 158321   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 139279   | 48.528    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 97.060%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 121562   | 50.158    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 100.320% |
| 50) Toluene-d8                | 8.653  | 98    | 447710   | 49.531    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 99.060%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 149962   | 44.434    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 88.860%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.258  | 50    | 19240    | 8.464     | ug/l # | 42       |
| 5) Bromomethane               | 1.611  | 94    | 413      | Below Cal | #      | 62       |
| 6) Chloroethane               | 1.551  | 64    | 184085   | 80.241    | ug/l # | 52       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 6228     | 9.348     | ug/l # | 88       |
| 13) Acrolein                  | 2.191  | 56    | 204      | Below Cal | #      | 15       |
| 16) Acetone                   | 2.380  | 43    | 1818     | 1.520     | ug/l # | 77       |
| 17) Carbon Disulfide          | 2.520  | 76    | 4358     | 0.794     | ug/l   | 97       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 17343    | 4.689     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 20886    | 5.289     | ug/l # | 17       |
| 70) Styrene                   | 10.677 | 104   | 20       | 4.706     | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 82331    | 23.359    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 82331    | 65.790    | ug/l # | 15       |
| -----                         |        |       |          |           |        |          |

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

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MSVOA\_X  
ClientSampleId :  
MW-25

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 12 22:07:23 2022  
Response via : Initial Calibration

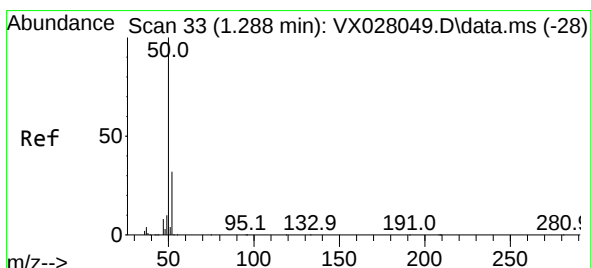
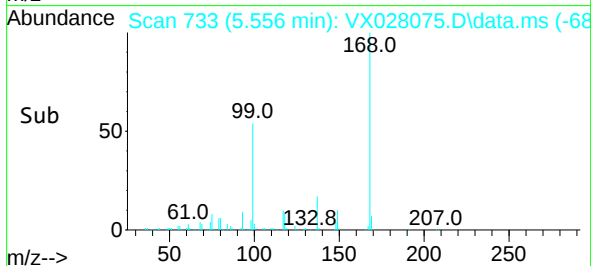
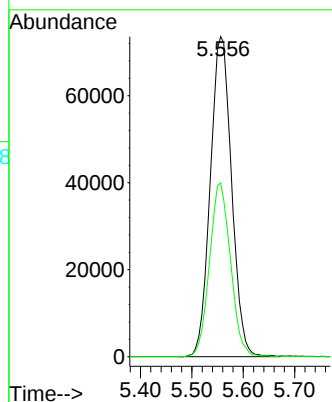
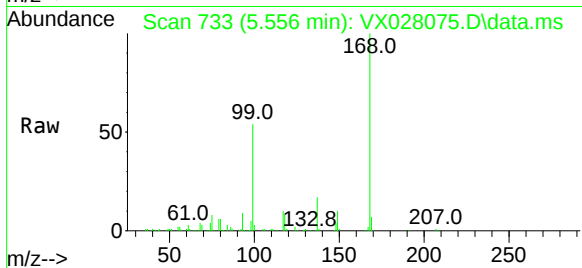




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

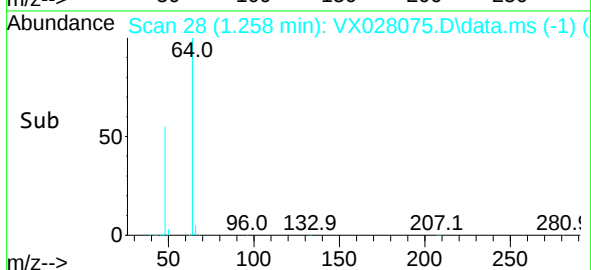
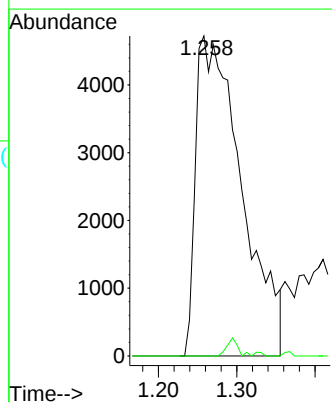
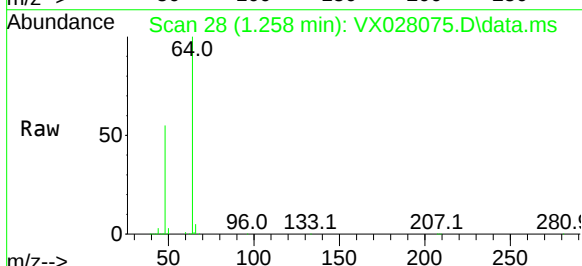
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-25

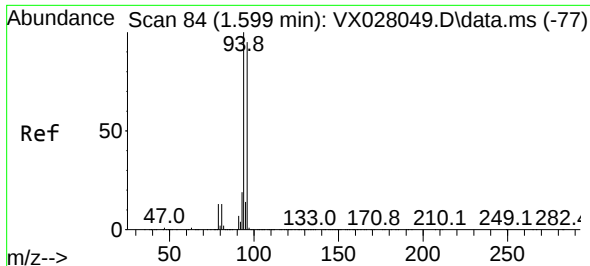
Tgt Ion:168 Resp: 211550  
Ion Ratio Lower Upper  
168 100  
99 54.3 41.7 62.5



#3  
Chloromethane  
Concen: 8.464 ug/l  
RT: 1.258 min Scan# 28  
Delta R.T. -0.030 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

Tgt Ion: 50 Resp: 19240  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#

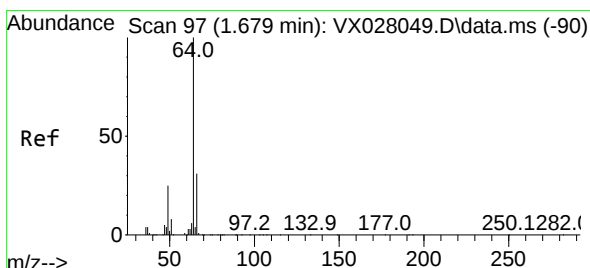
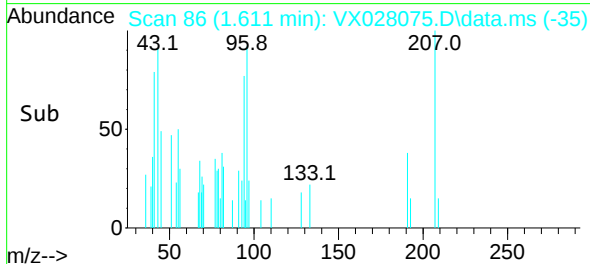
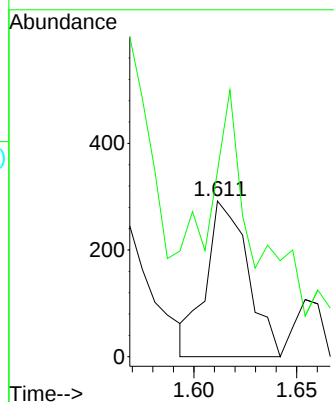
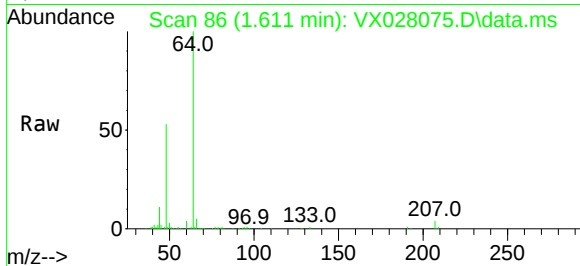




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

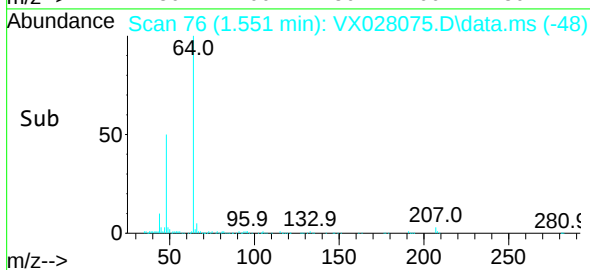
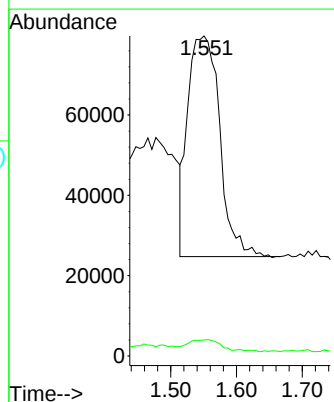
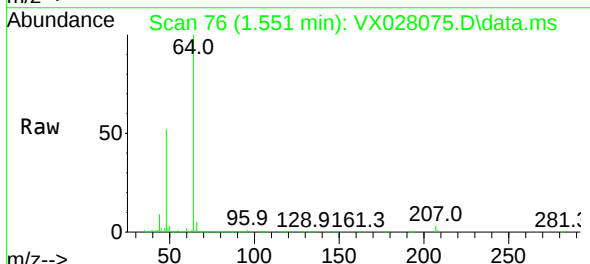
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-25

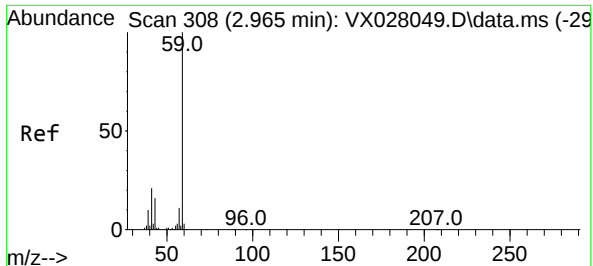
Tgt Ion: 94 Resp: 413  
Ion Ratio Lower Upper  
94 100  
96 57.5 75.3 112.9#



#6  
Chloroethane  
Concen: 80.241 ug/l  
RT: 1.551 min Scan# 76  
Delta R.T. -0.129 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

Tgt Ion: 64 Resp: 184085  
Ion Ratio Lower Upper  
64 100  
66 5.2 25.3 37.9#





#11

Tert butyl alcohol

Concen: 9.348 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028075.D

Acq: 12 Apr 2022 22:36

Instrument :

MSVOA\_X

ClientSampleId :

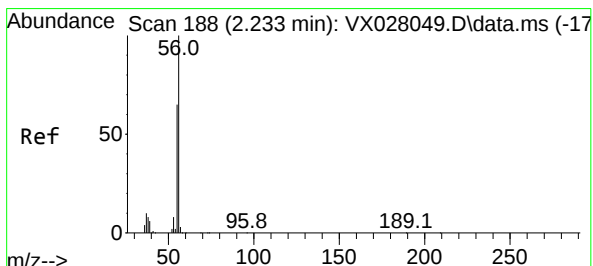
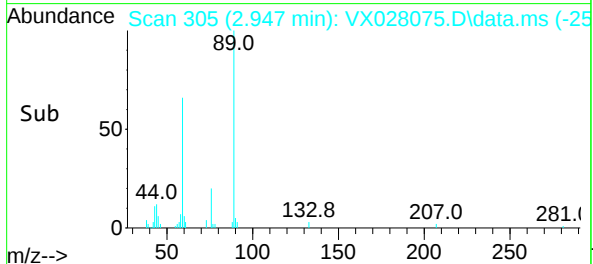
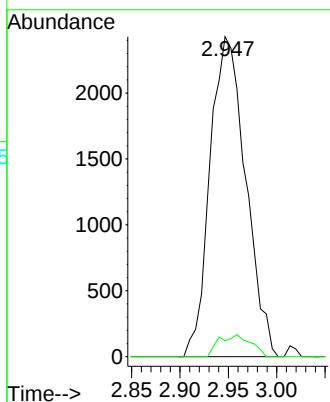
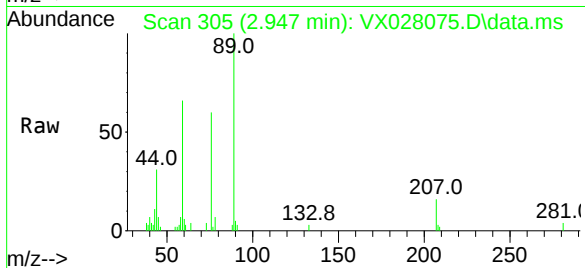
MW-25

Tgt Ion: 59 Resp: 6228

Ion Ratio Lower Upper

59 100

57 6.1 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 2.191 min Scan# 181

Delta R.T. -0.042 min

Lab File: VX028075.D

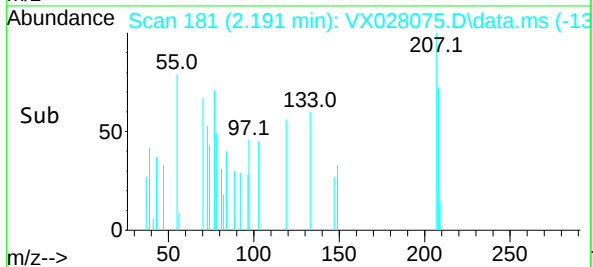
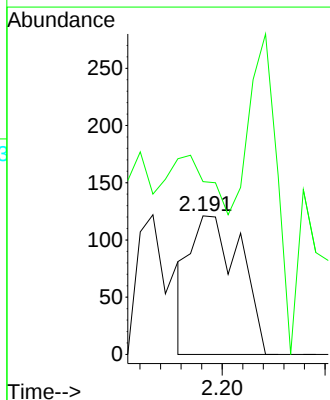
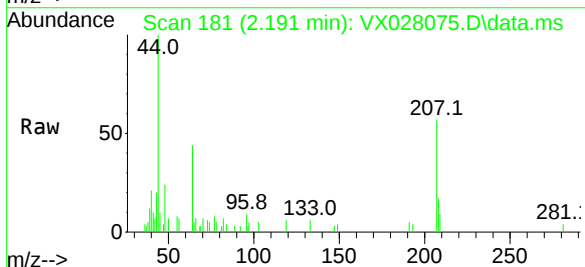
Acq: 12 Apr 2022 22:36

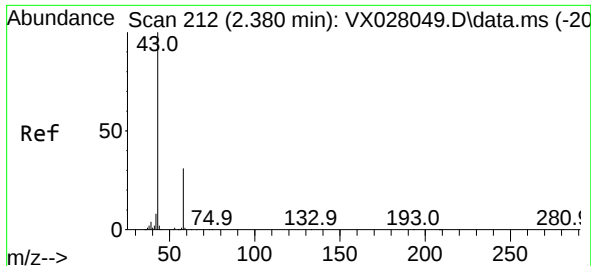
Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#

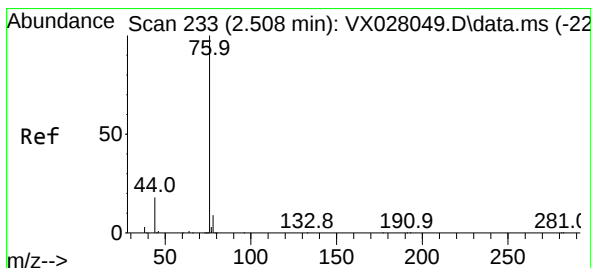
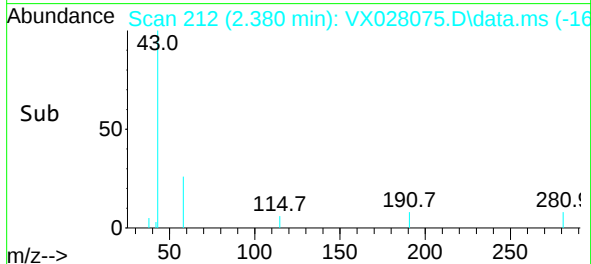
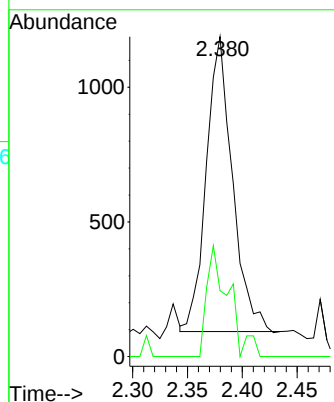
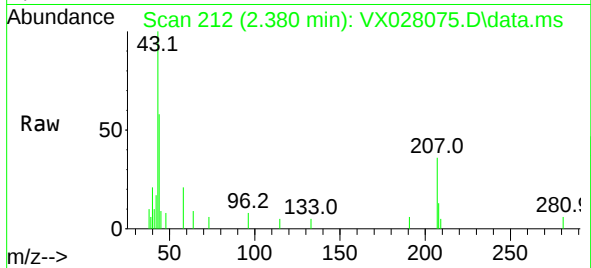




#16  
Acetone  
Concen: 1.520 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

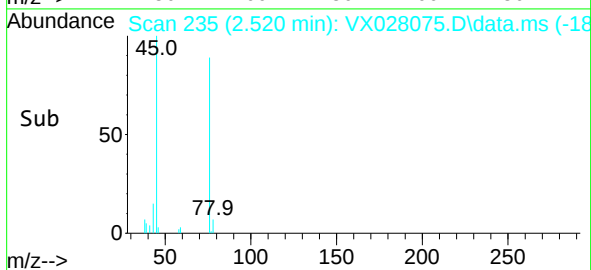
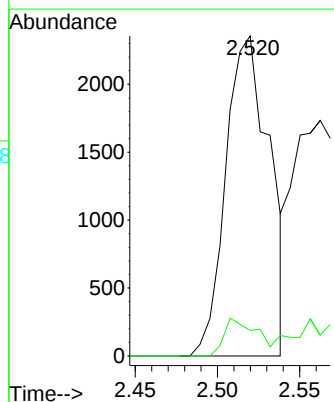
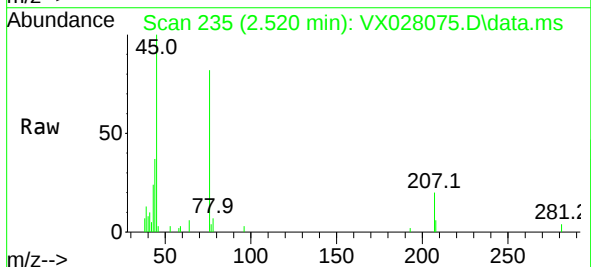
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-25

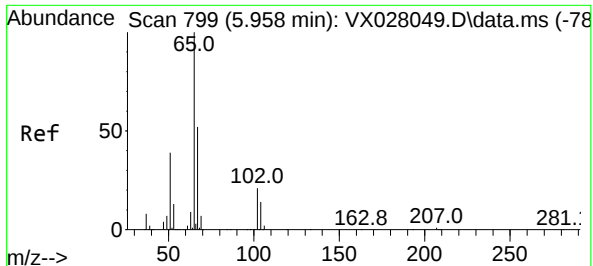
Tgt Ion: 43 Resp: 1818  
Ion Ratio Lower Upper  
43 100  
58 22.4 28.8 43.2#



#17  
Carbon Disulfide  
Concen: 0.794 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.012 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

Tgt Ion: 76 Resp: 4358  
Ion Ratio Lower Upper  
76 100  
78 8.0 7.2 10.8

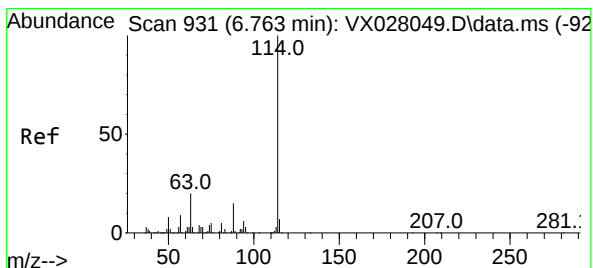
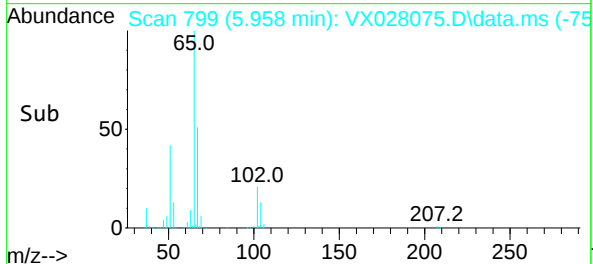
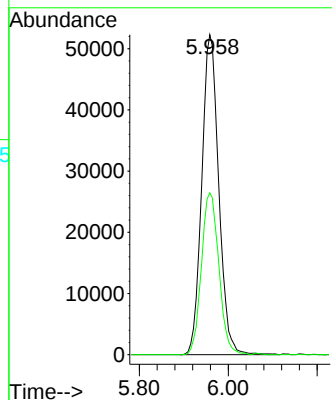
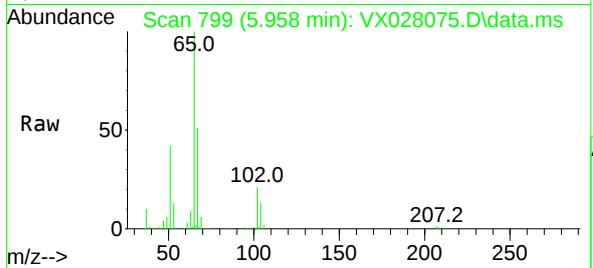




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.528 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX028075.D  
 Acq: 12 Apr 2022 22:36

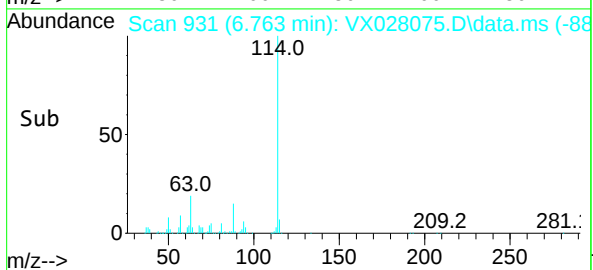
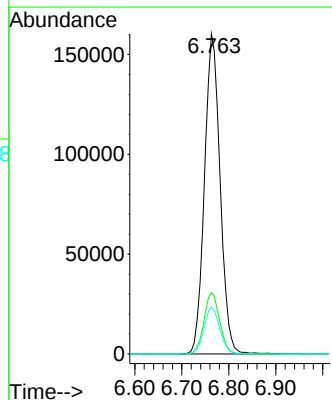
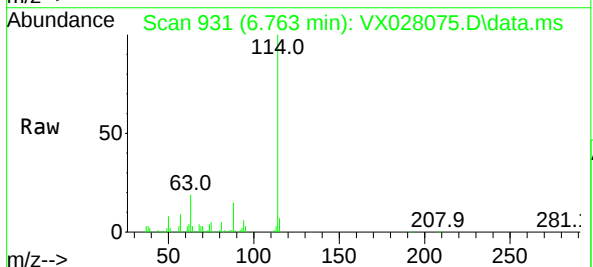
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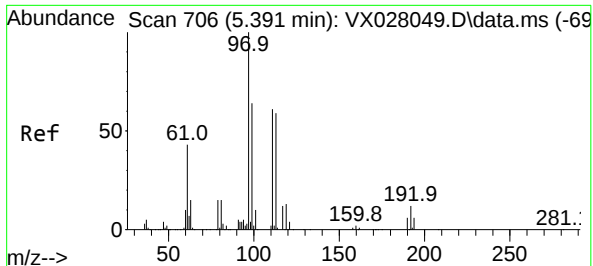
Tgt Ion: 65 Resp: 139279  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX028075.D  
 Acq: 12 Apr 2022 22:36

Tgt Ion: 114 Resp: 369860  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 36.8  
 88 14.6 0.0 32.4

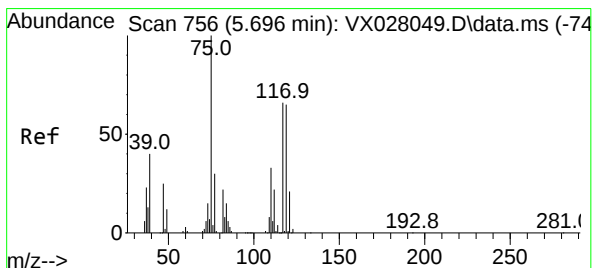
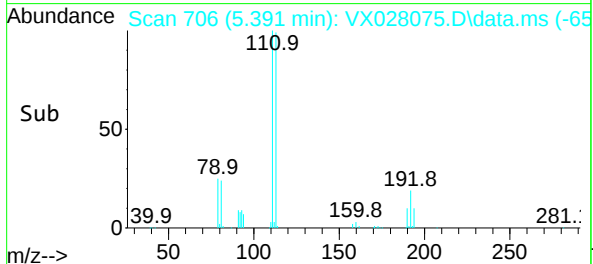
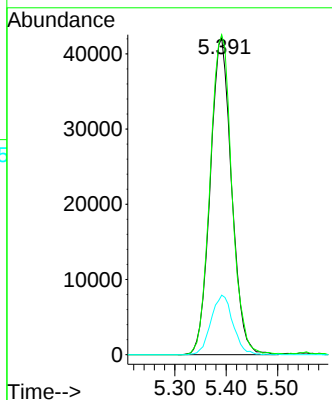
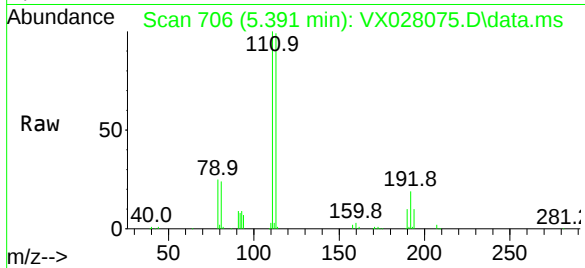




#35  
 Dibromofluoromethane  
 Concen: 50.158 ug/l  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VX028075.D  
 Acq: 12 Apr 2022 22:36

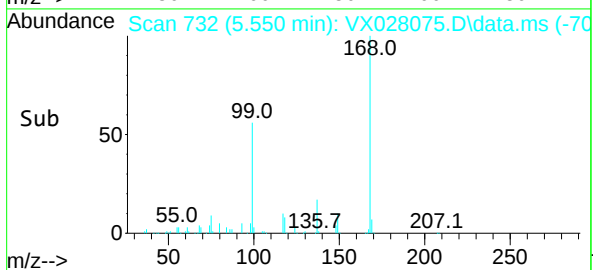
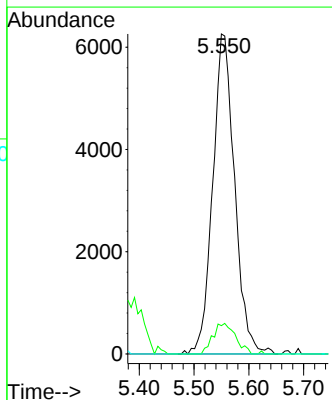
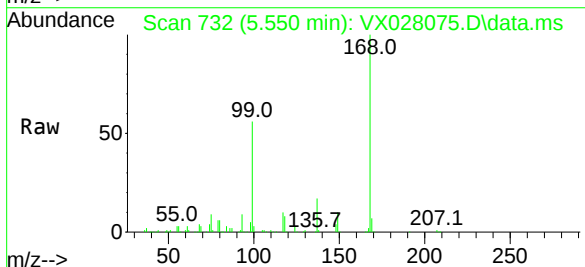
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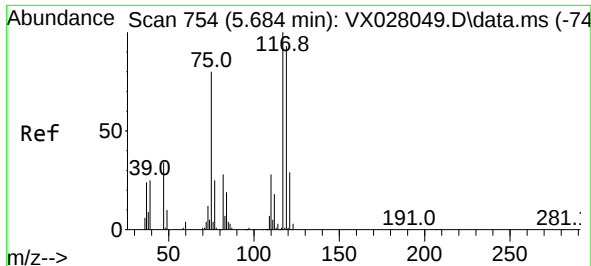
Tgt Ion:113 Resp: 121562  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.8 124.2  
 192 19.3 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 4.689 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.146 min  
 Lab File: VX028075.D  
 Acq: 12 Apr 2022 22:36

Tgt Ion: 75 Resp: 17343  
 Ion Ratio Lower Upper  
 75 100  
 110 9.9 18.3 54.8#  
 77 0.0 24.8 37.2#

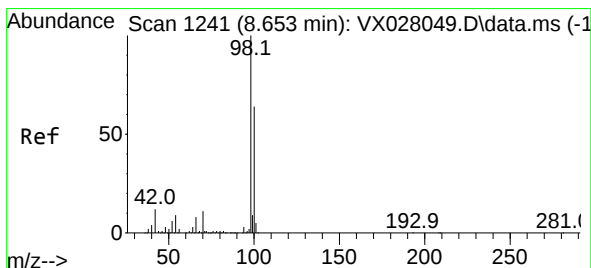
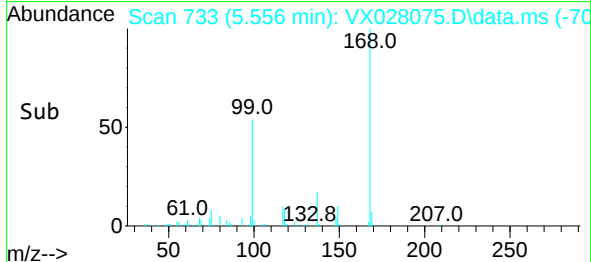
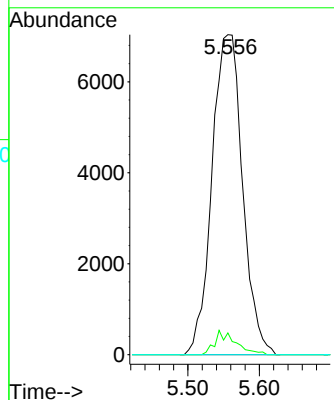
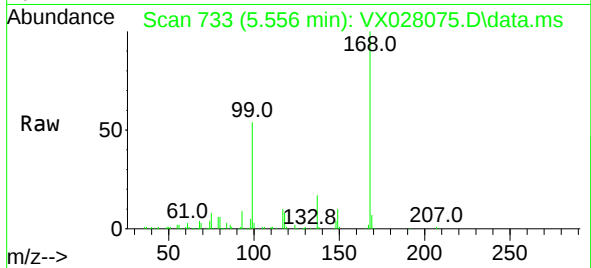




#38  
Carbon Tetrachloride  
Concen: 5.289 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

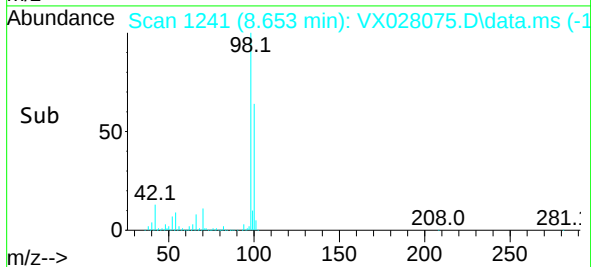
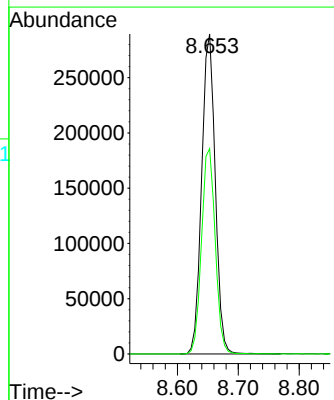
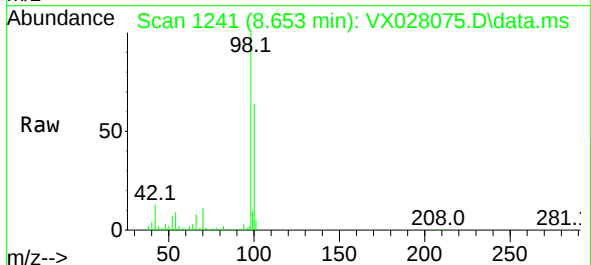
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-25

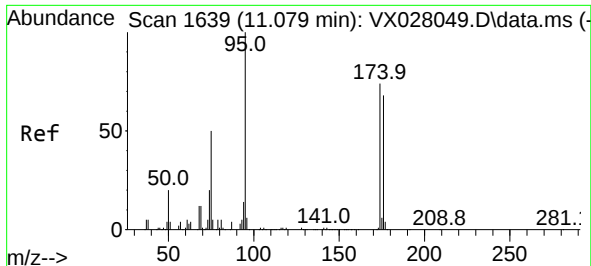
Tgt Ion:117 Resp: 20886  
Ion Ratio Lower Upper  
117 100  
119 6.8 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 49.531 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

Tgt Ion: 98 Resp: 447710  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8

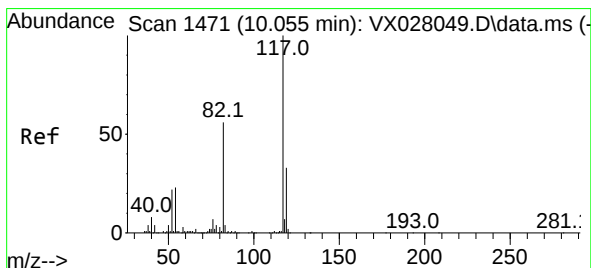
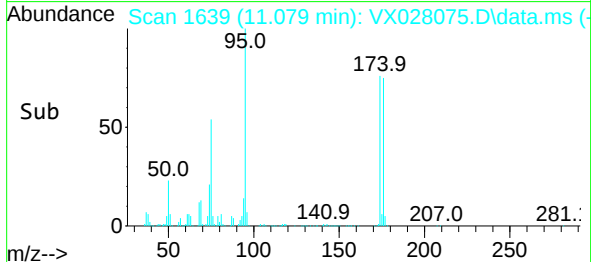
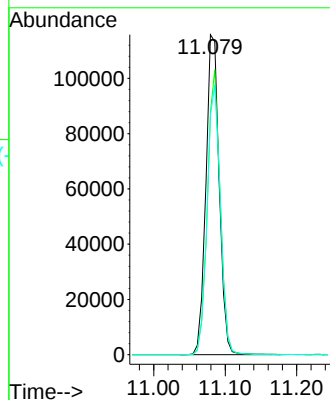
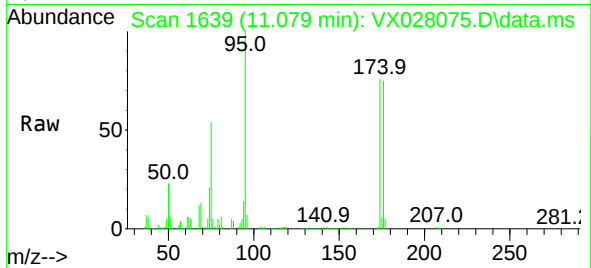




#62  
4-Bromofluorobenzene  
Concen: 44.434 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

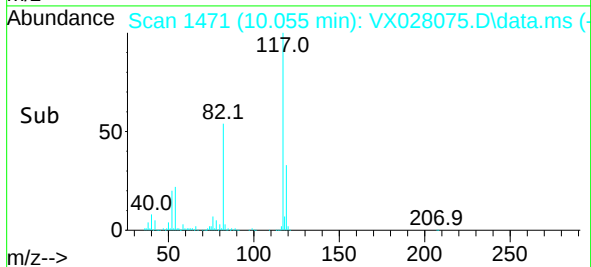
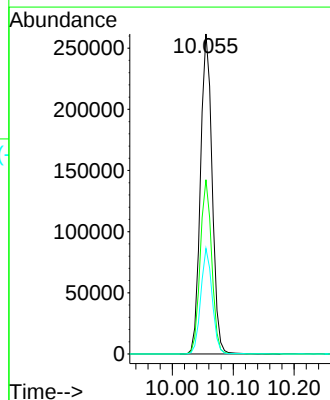
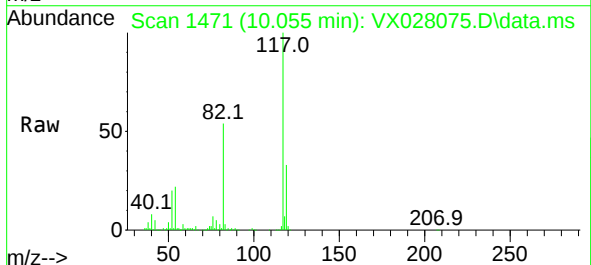
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-25

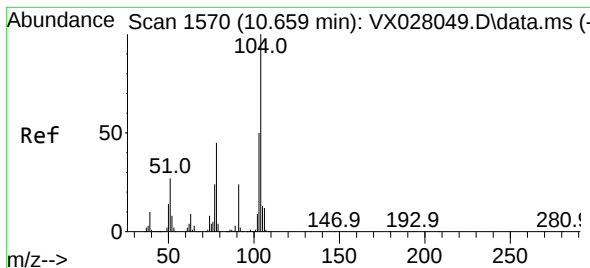
Tgt Ion: 95 Resp: 149962  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 163.0  
176 83.5 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

Tgt Ion: 117 Resp: 347643  
Ion Ratio Lower Upper  
117 100  
82 54.5 41.8 62.8  
119 33.0 24.8 37.2





#70

Styrene

Concen: 4.706 ug/l

RT: 10.677 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX028075.D

Acq: 12 Apr 2022 22:36

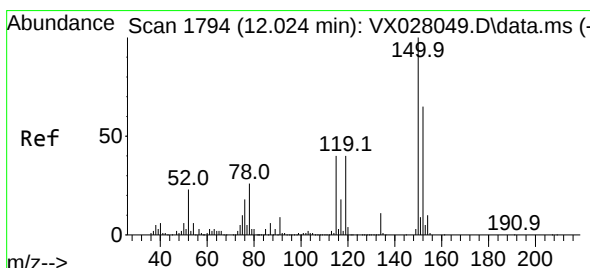
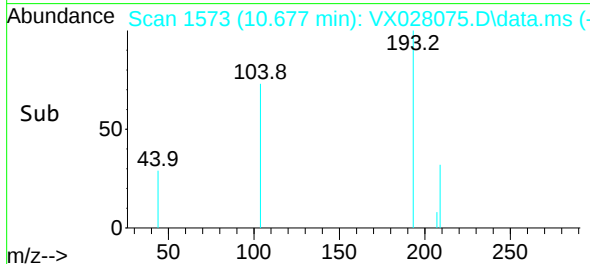
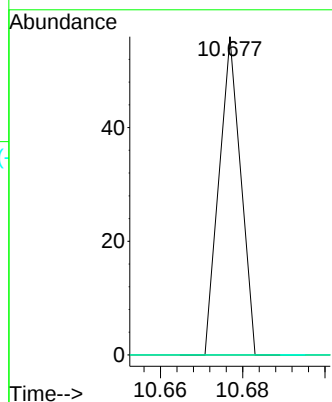
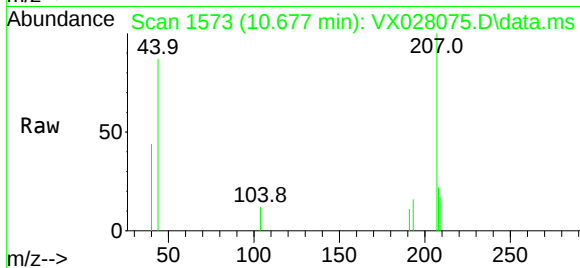
Instrument :

MSVOA\_X

ClientSampleId :

MW-25

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:104 | Resp: | 20         |
| Ion Ratio   | Lower | Upper      |
| 104         | 100   |            |
| 78          | 0.0   | 38.6 57.8# |
| 103         | 0.0   | 43.8 65.8# |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

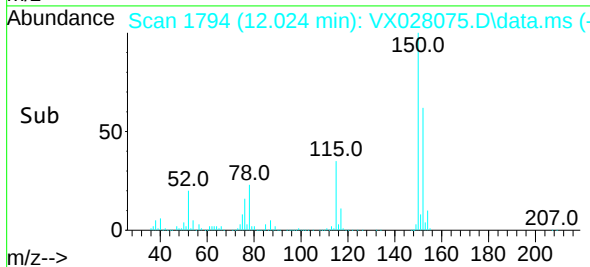
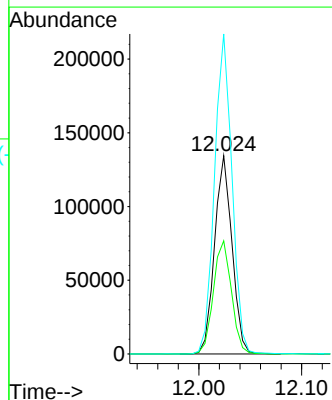
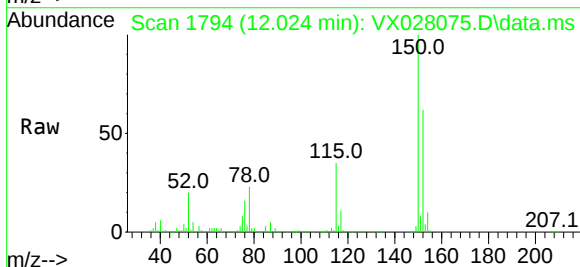
RT: 12.024 min Scan# 1794

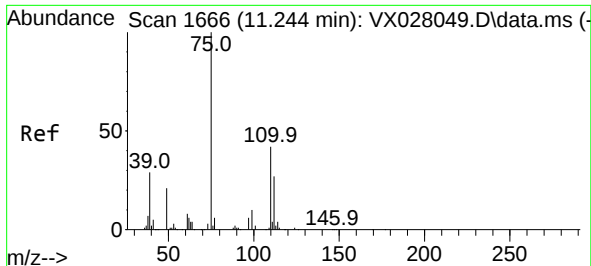
Delta R.T. 0.000 min

Lab File: VX028075.D

Acq: 12 Apr 2022 22:36

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:152 | Resp: | 158321     |
| Ion Ratio   | Lower | Upper      |
| 152         | 100   |            |
| 115         | 59.1  | 37.5 112.7 |
| 150         | 161.7 | 0.0 338.2  |

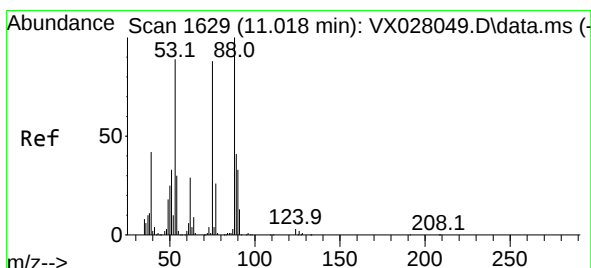
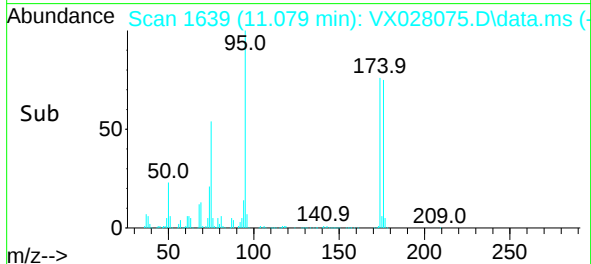
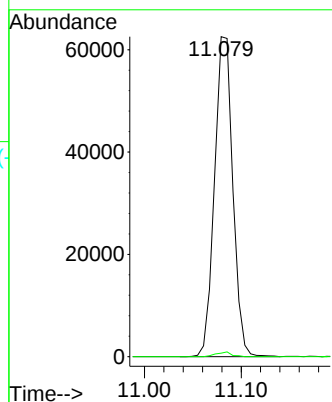
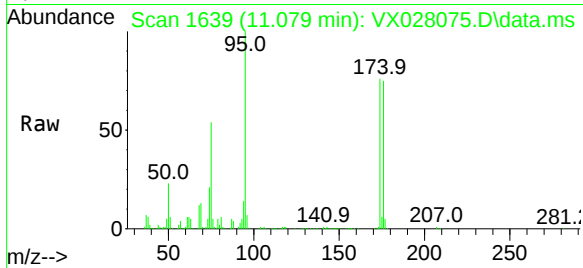




#76  
1,2,3-Trichloropropane  
Concen: 23.359 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-25

Tgt Ion: 75 Resp: 82331  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.790 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028075.D  
Acq: 12 Apr 2022 22:36

Tgt Ion: 75 Resp: 82331  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

