

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032222\  
 Data File : VX027641.D  
 Acq On : 23 Mar 2022 02:56  
 Operator : JC/MD  
 Sample : N2062-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-6

Quant Time: Mar 23 07:42:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 15:02:59 2022  
 Response via : Initial Calibration

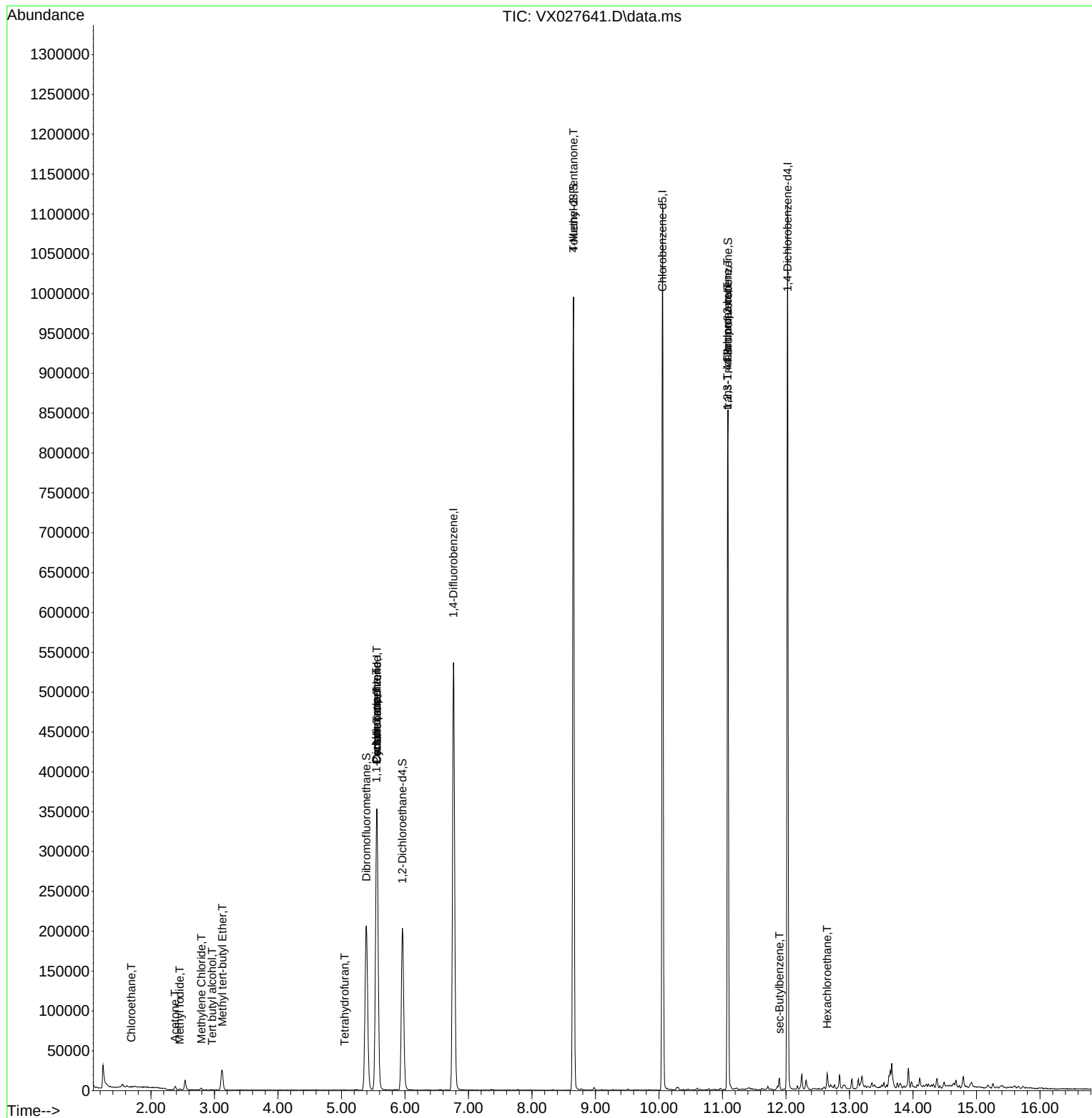
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 347320   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 592043   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 535241   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 234433   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 197567   | 46.175    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 92.360%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 184177   | 48.352    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 96.700%  |
| 50) Toluene-d8                | 8.653  | 98    | 637406   | 44.221    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 88.440%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 237171   | 44.766    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 89.540%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.618  | 94    | 777      | Below Cal | #      | 72       |
| 6) Chloroethane               | 1.691  | 64    | 1003     | 0.478     | ug/l # | 59       |
| 10) Methyl Iodide             | 2.453  | 142   | 1279     | 0.287     | ug/l   | 93       |
| 11) Tert butyl alcohol        | 2.965  | 59    | 526      | 0.645     | ug/l # | 72       |
| 16) Acetone                   | 2.380  | 43    | 4738     | 2.717     | ug/l   | 91       |
| 19) Methyl tert-butyl Ether   | 3.123  | 73    | 28857    | 2.652     | ug/l   | 100      |
| 20) Methylene Chloride        | 2.794  | 84    | 904      | 0.241     | ug/l # | 85       |
| 29) Tetrahydrofuran           | 5.050  | 42    | 381      | 0.226     | ug/l # | 25       |
| 31) Cyclohexane               | 5.556  | 56    | 6213     | 1.169     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 24113    | 4.632     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 34321    | 5.763     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 1932     | 0.363     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 114540   | 23.359    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 114540   | 70.941    | ug/l # | 15       |
| 85) sec-Butylbenzene          | 11.896 | 105   | 7378     | 0.429     | ug/l   | 89       |
| 90) Hexachloroethane          | 12.646 | 117   | 5794     | 2.459     | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

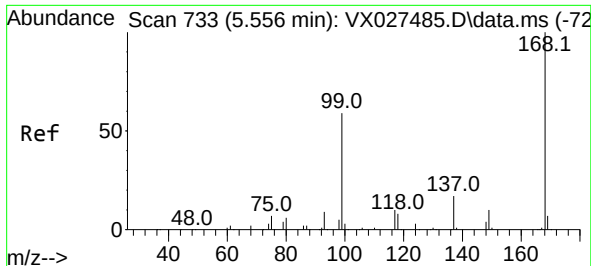
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Time: Mar 23 07:42:33 2022  
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Quant Title : SW846 8260  
QLast Update : Thu Mar 17 15:02:59 2022  
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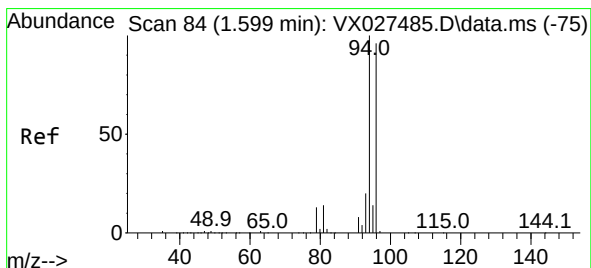
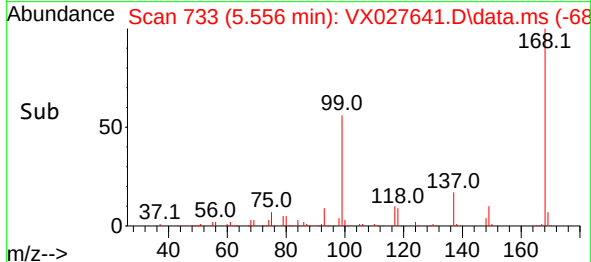
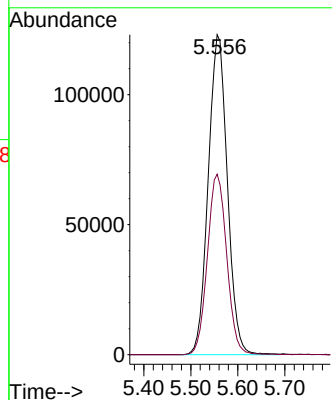
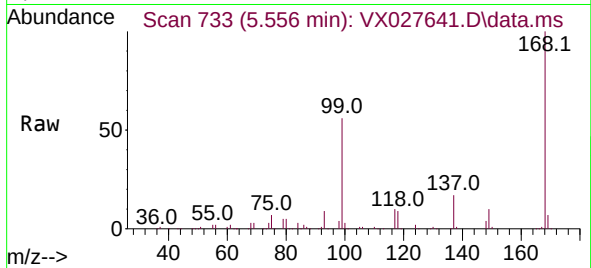




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

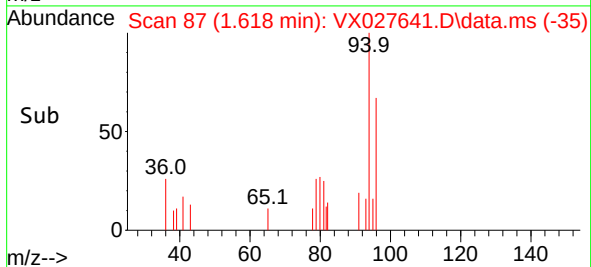
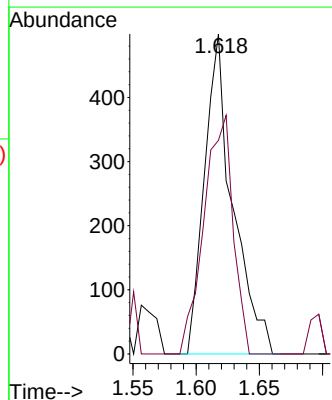
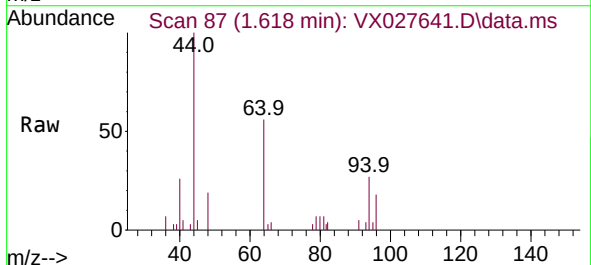
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

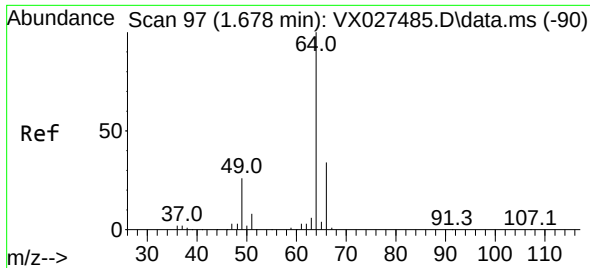
Tgt Ion:168 Resp: 347320  
Ion Ratio Lower Upper  
168 100  
99 56.4 41.7 62.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

Tgt Ion: 94 Resp: 777  
Ion Ratio Lower Upper  
94 100  
96 66.7 75.3 112.9#

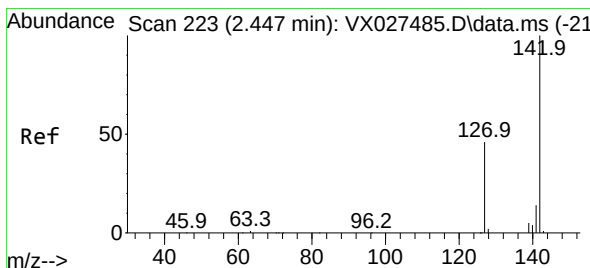
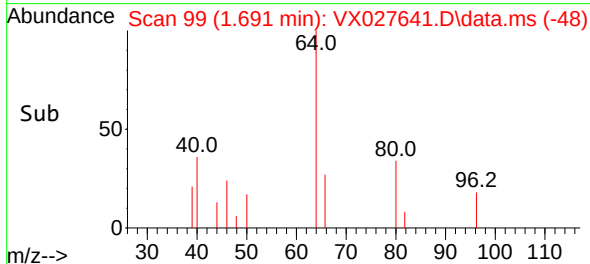
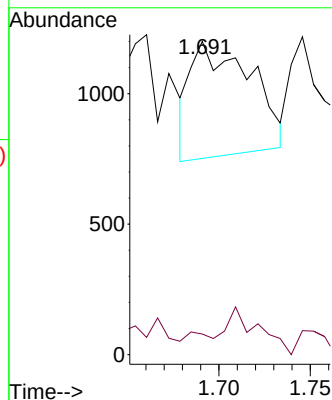
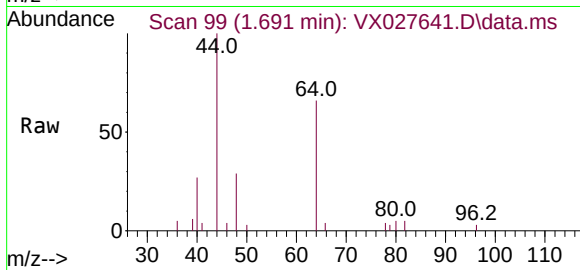




#6  
Chloroethane  
Concen: 0.478 ug/l  
RT: 1.691 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

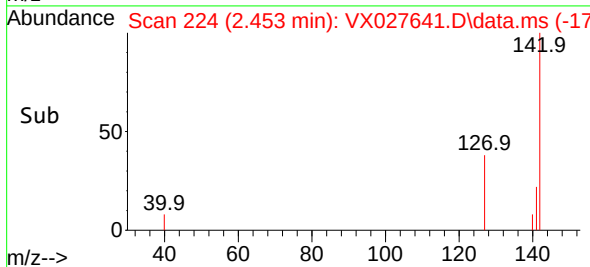
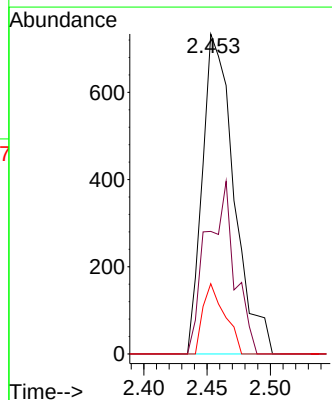
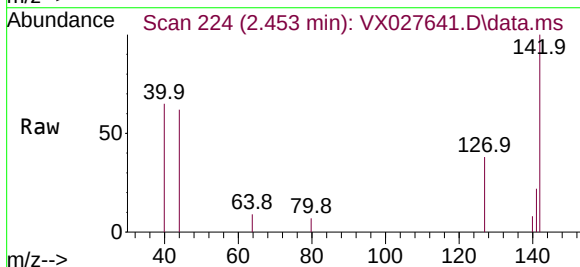
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

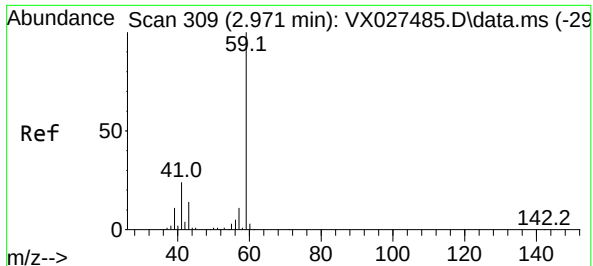
Tgt Ion: 64 Resp: 1003  
Ion Ratio Lower Upper  
64 100  
66 8.9 25.3 37.9#



#10  
Methyl Iodide  
Concen: 0.287 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. 0.006 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

Tgt Ion: 142 Resp: 1279  
Ion Ratio Lower Upper  
142 100  
127 48.2 33.9 50.9  
141 15.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 0.645 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

Instrument :

MSVOA\_X

ClientSampleId :

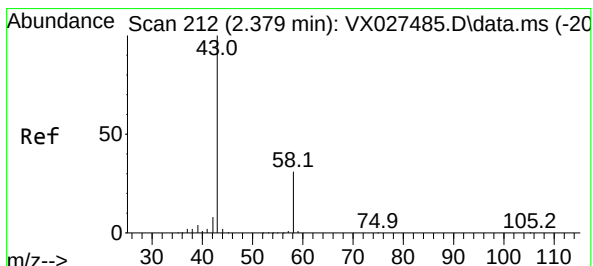
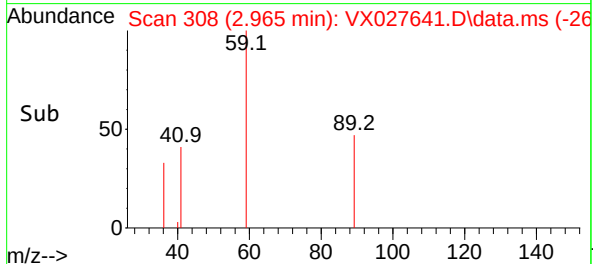
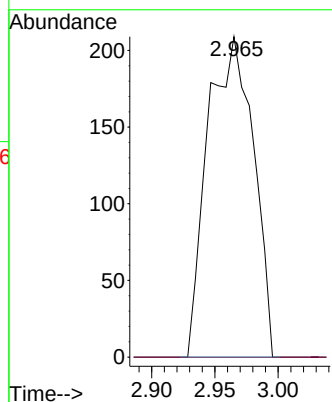
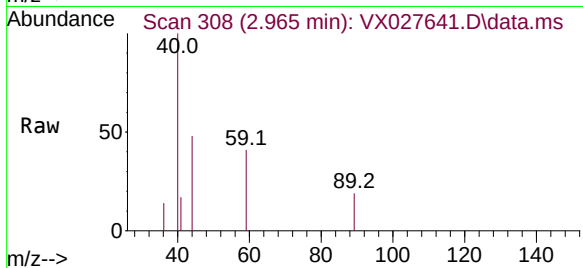
MW-6

Tgt Ion: 59 Resp: 526

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.717 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX027641.D

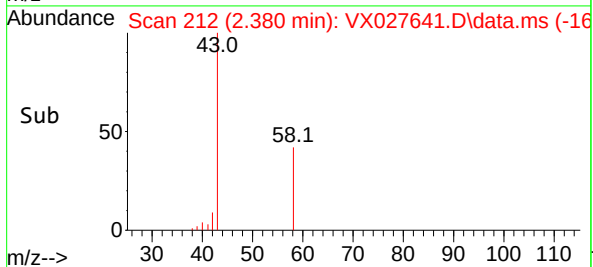
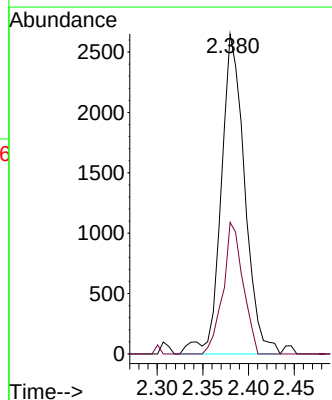
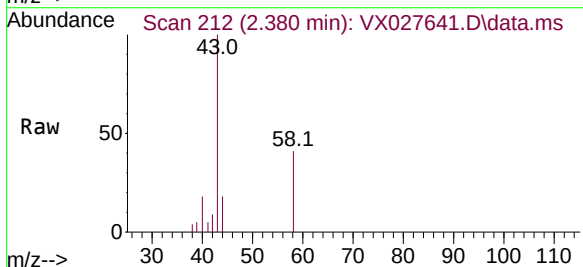
Acq: 23 Mar 2022 02:56

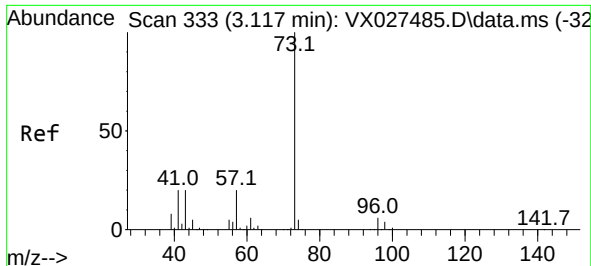
Tgt Ion: 43 Resp: 4738

Ion Ratio Lower Upper

43 100

58 41.1 28.8 43.2





#19

Methyl tert-butyl Ether

Concen: 2.652 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

Instrument :

MSVOA\_X

ClientSampleId :

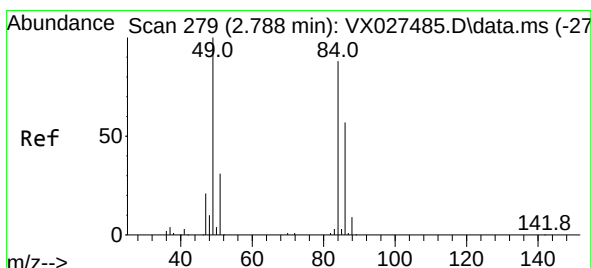
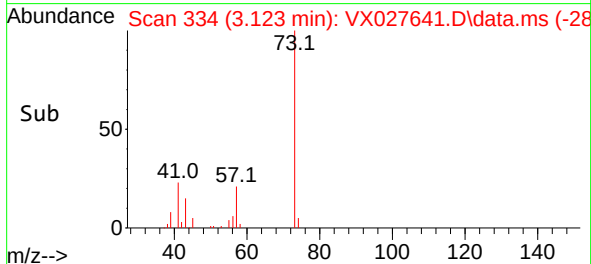
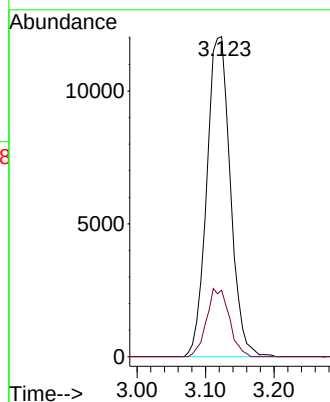
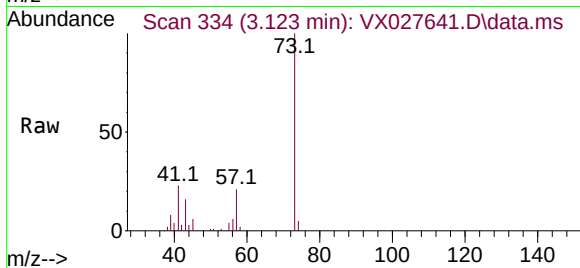
MW-6

Tgt Ion: 73 Resp: 28857

Ion Ratio Lower Upper

73 100

57 20.8 16.8 25.2



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

Tgt Ion: 84 Resp: 904

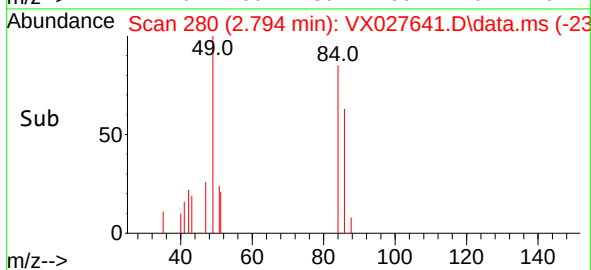
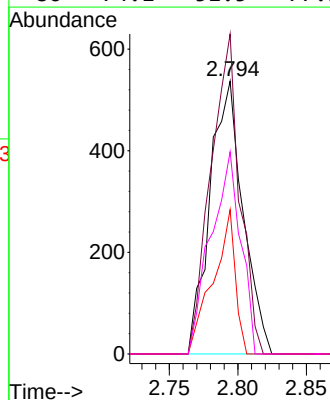
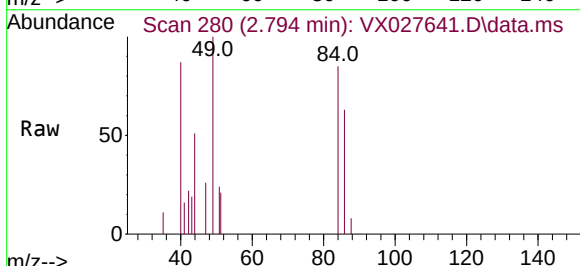
Ion Ratio Lower Upper

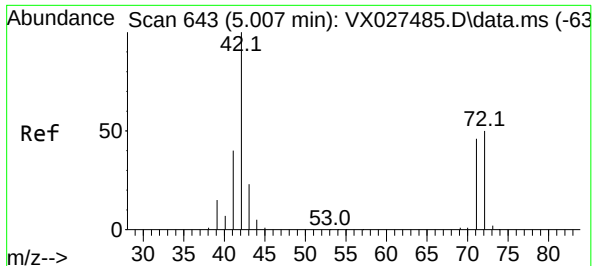
84 100

49 117.3 85.5 128.3

51 52.9 26.6 39.8#

86 74.1 51.5 77.3





#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

Instrument :

MSVOA\_X

ClientSampleId :

MW-6

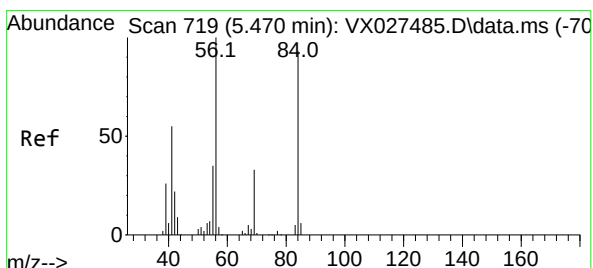
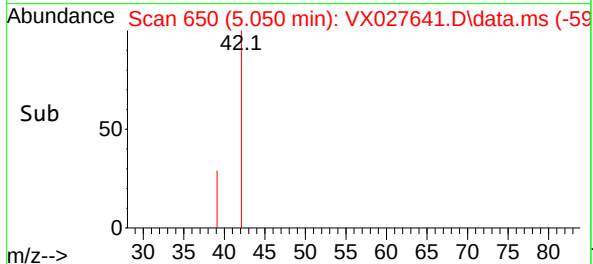
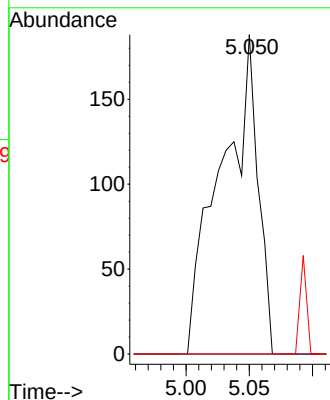
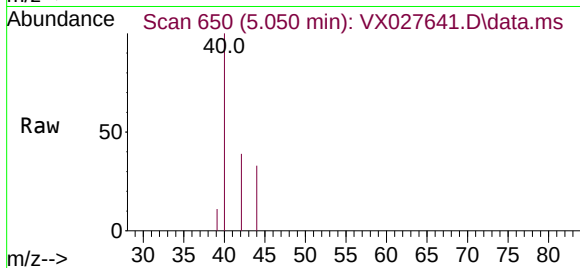
Tgt Ion: 42 Resp: 381

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

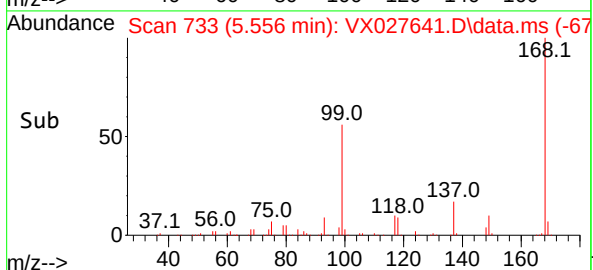
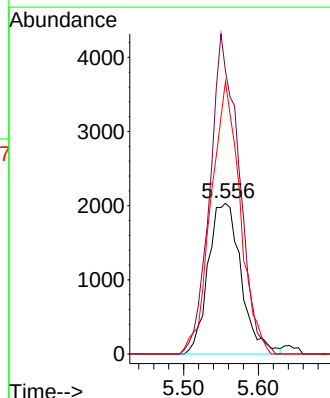
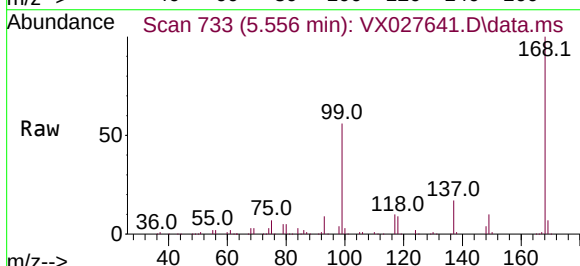
Tgt Ion: 56 Resp: 6213

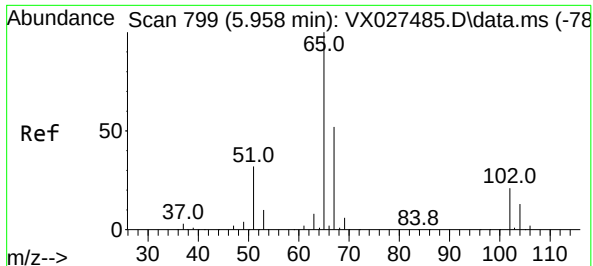
Ion Ratio Lower Upper

56 100

69 187.6 26.7 40.1#

84 181.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.175 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

Instrument :

MSVOA\_X

ClientSampleId :

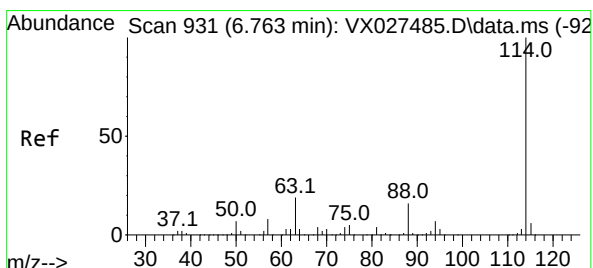
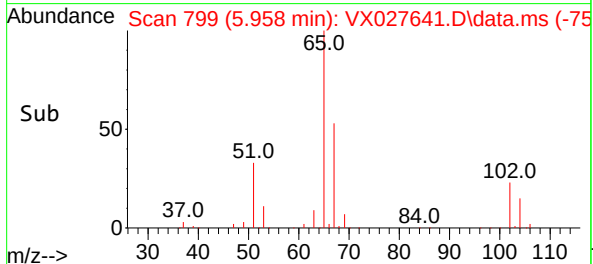
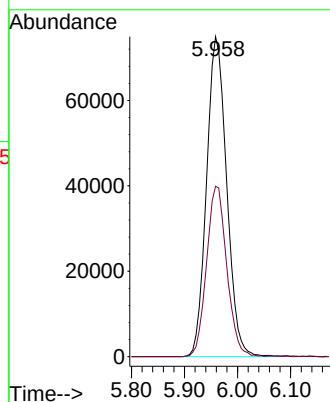
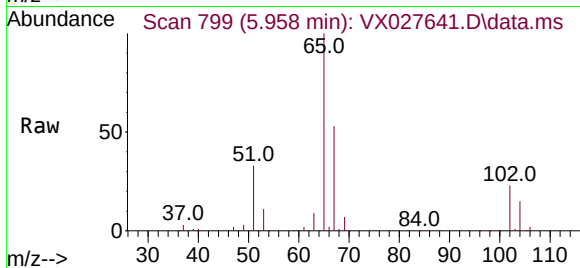
MW-6

Tgt Ion: 65 Resp: 197567

Ion Ratio Lower Upper

65 100

67 53.5 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: VX027641.D

Acq: 23 Mar 2022 02:56

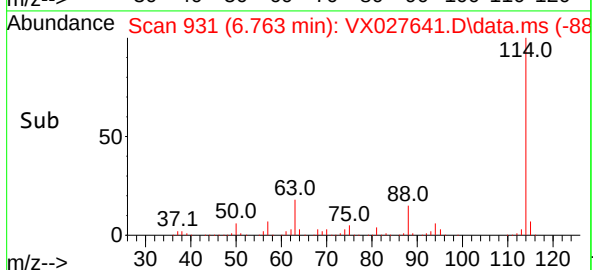
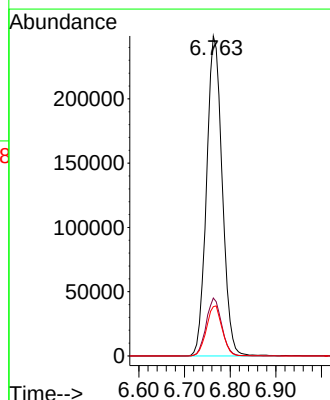
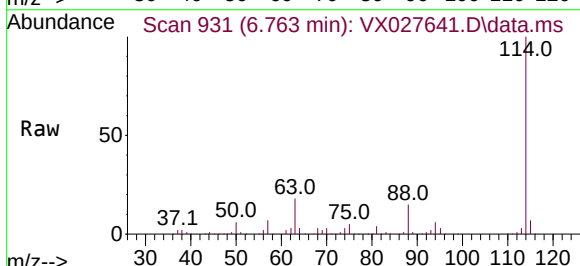
Tgt Ion: 114 Resp: 592043

Ion Ratio Lower Upper

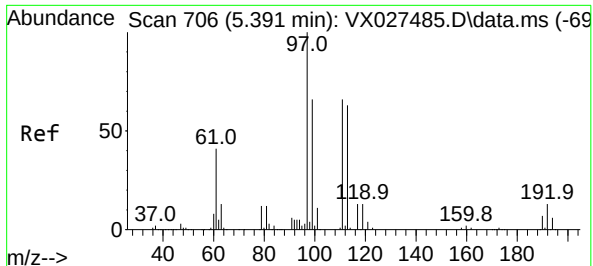
114 100

63 18.1 0.0 36.8

88 15.4 0.0 32.4







#35

Dibromofluoromethane

Concen: 48.352 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

Instrument :

MSVOA\_X

ClientSampleId :

MW-6

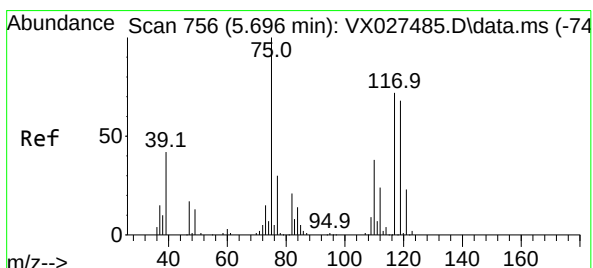
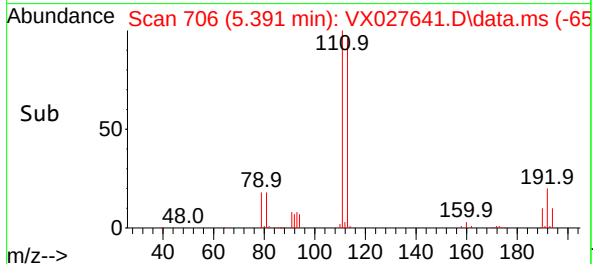
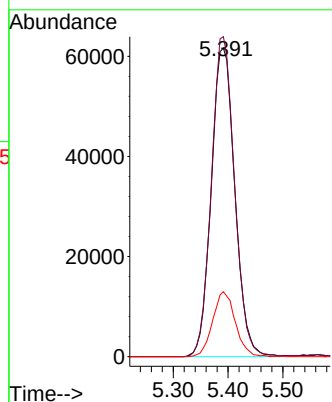
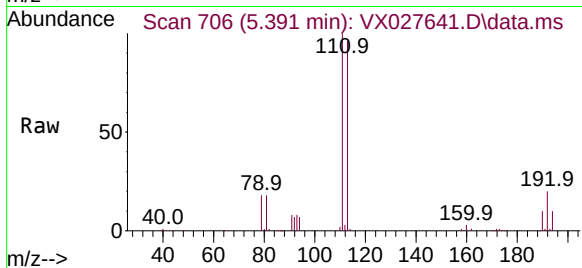
Tgt Ion:113 Resp: 184177

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 20.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027641.D

Acq: 23 Mar 2022 02:56

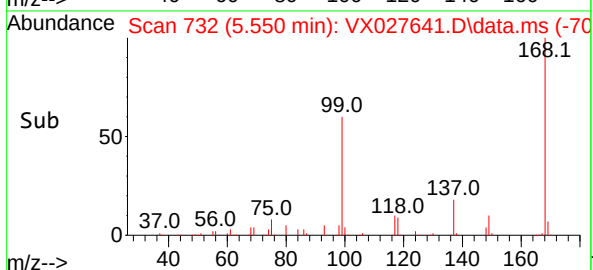
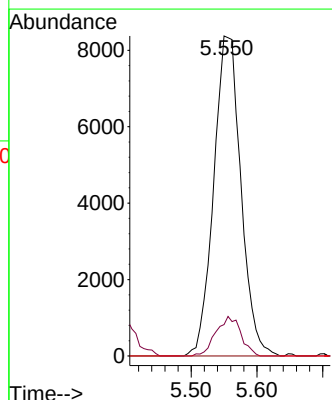
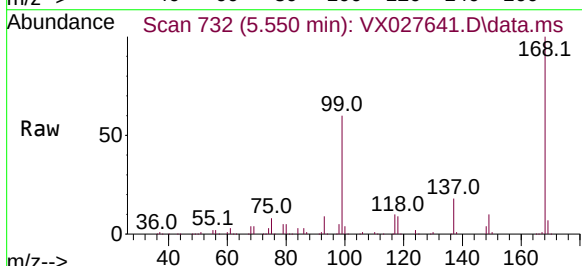
Tgt Ion: 75 Resp: 24113

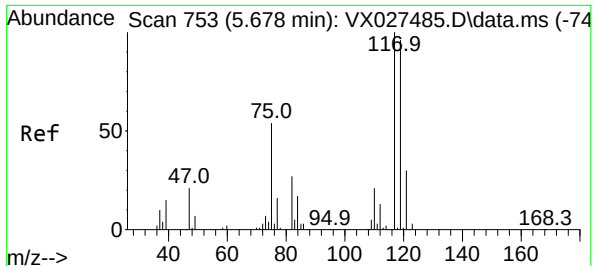
Ion Ratio Lower Upper

75 100

110 11.3 18.3 54.8#

77 0.0 24.8 37.2#

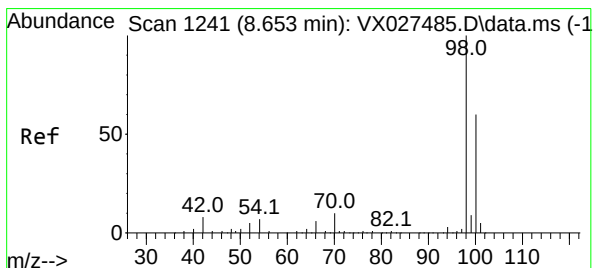
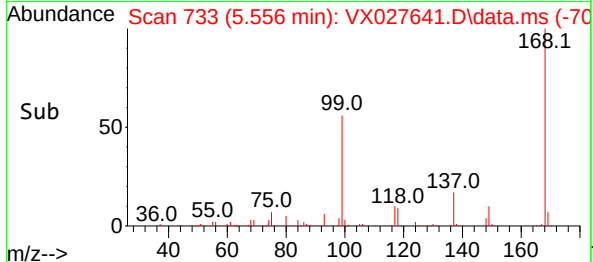
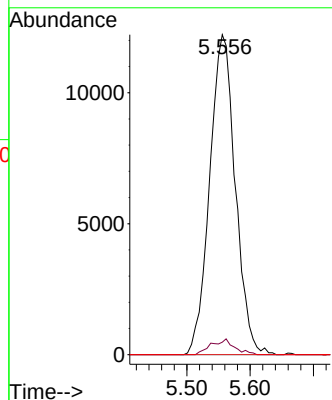
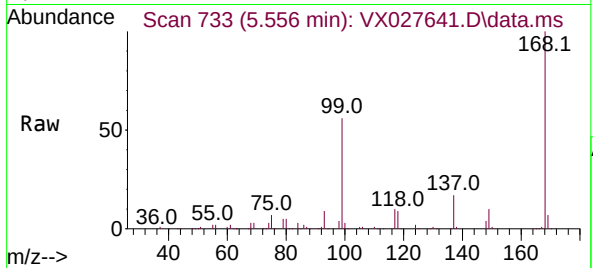




#38  
Carbon Tetrachloride  
Concen: 5.763 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

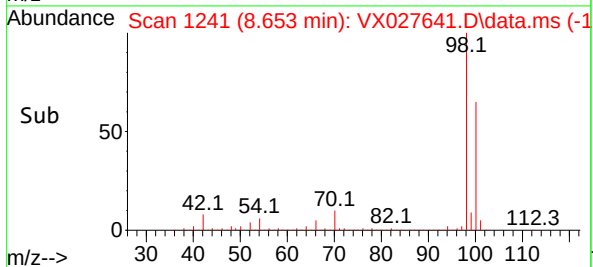
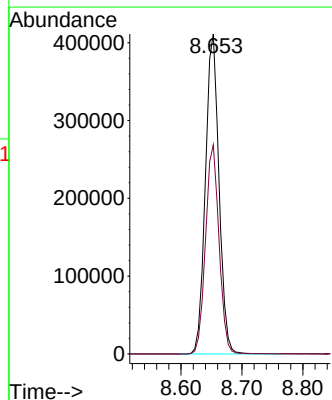
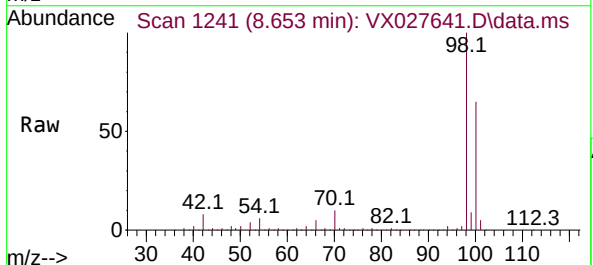
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

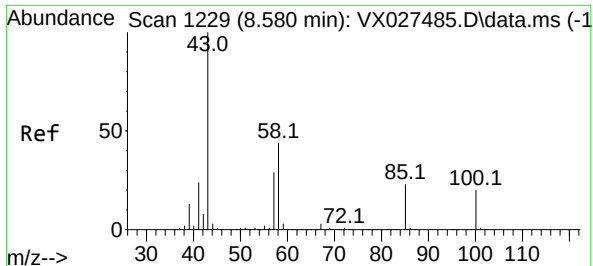
Tgt Ion:117 Resp: 34321  
Ion Ratio Lower Upper  
117 100  
119 3.9 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 44.221 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

Tgt Ion: 98 Resp: 637406  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.6 78.8

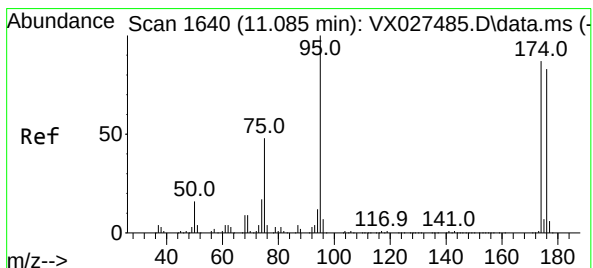
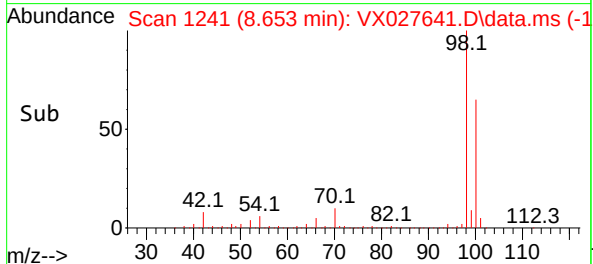
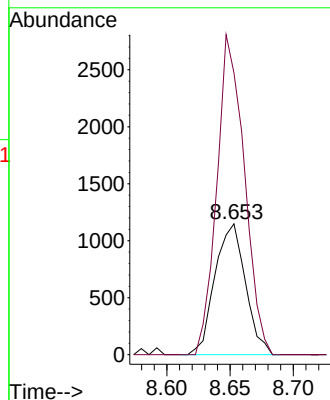
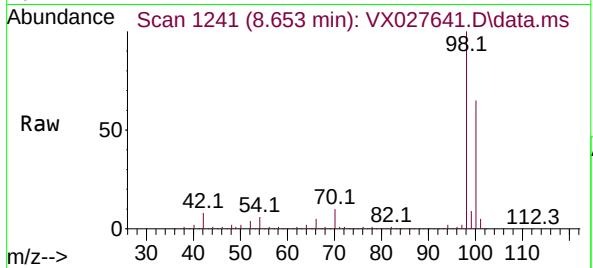




#51  
4-Methyl-2-Pentanone  
Concen: 0.363 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

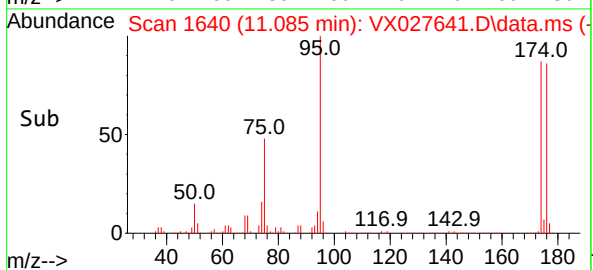
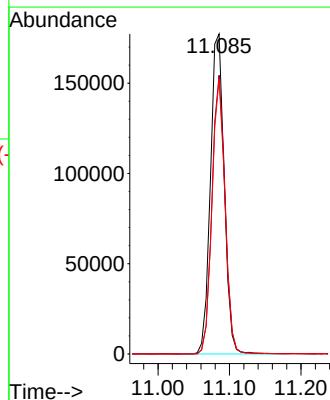
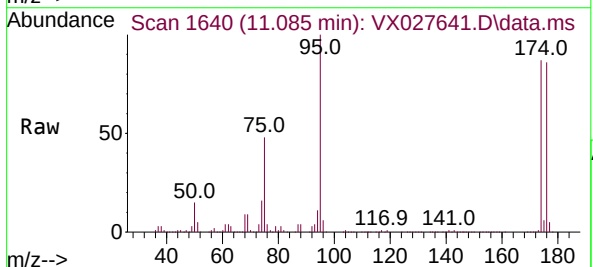
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

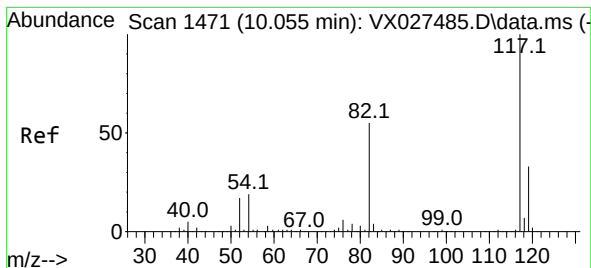
Tgt Ion: 43 Resp: 1932  
Ion Ratio Lower Upper  
43 100  
58 219.9 36.1 54.1#



#62  
4-Bromofluorobenzene  
Concen: 44.766 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

Tgt Ion: 95 Resp: 237171  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 163.0  
176 81.1 0.0 155.0

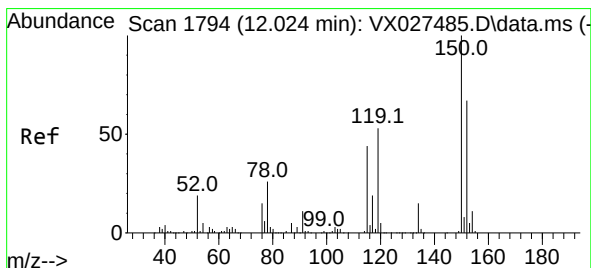
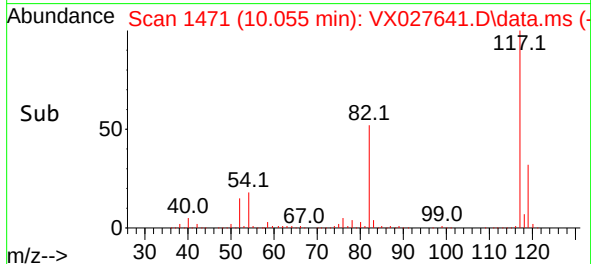
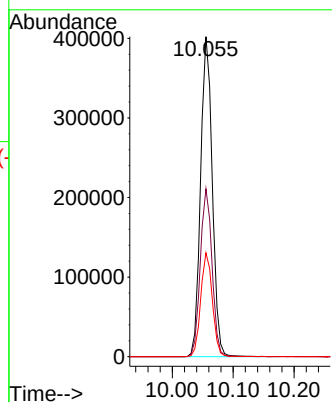
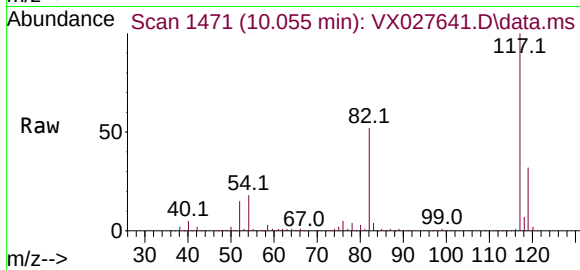




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

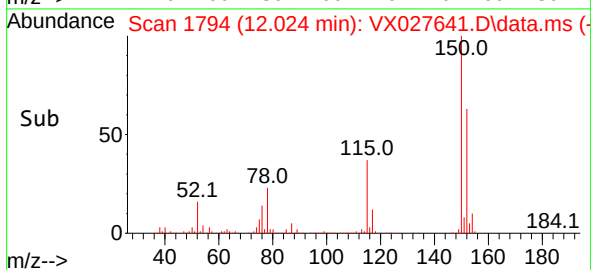
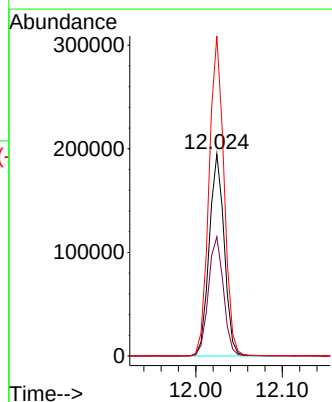
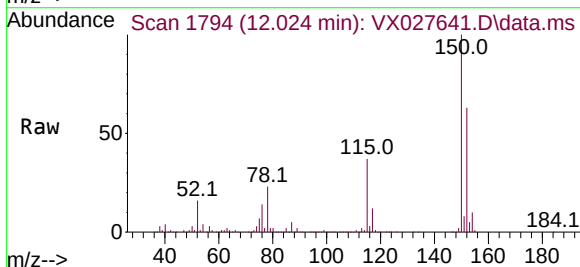
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

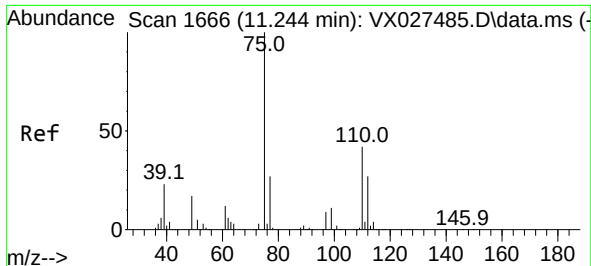
Tgt Ion:117 Resp: 535241  
Ion Ratio Lower Upper  
117 100  
82 52.4 41.8 62.8  
119 32.5 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

Tgt Ion:152 Resp: 234433  
Ion Ratio Lower Upper  
152 100  
115 59.5 37.5 112.7  
150 157.7 0.0 338.2

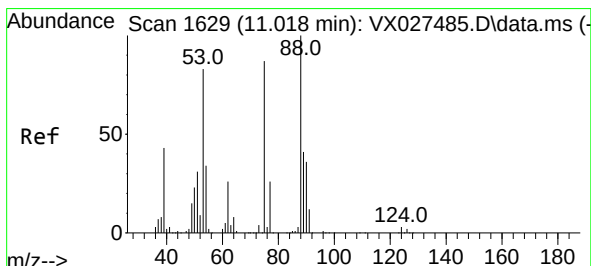
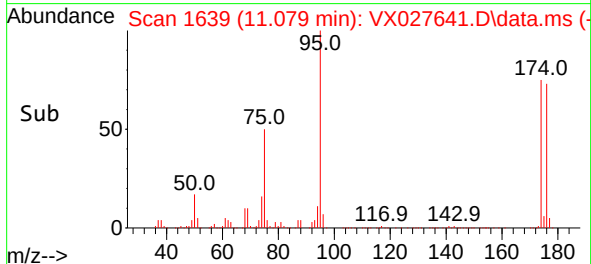
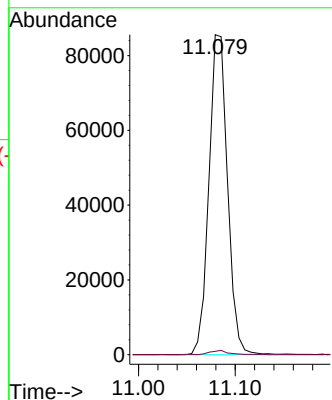
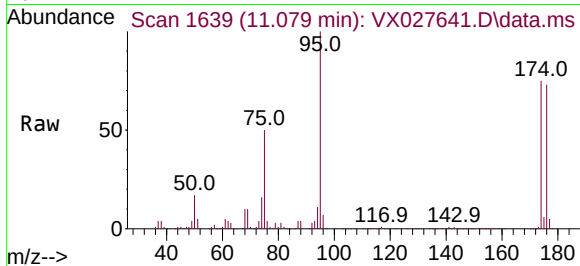




#76  
1,2,3-Trichloropropane  
Concen: 23.359 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.164 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

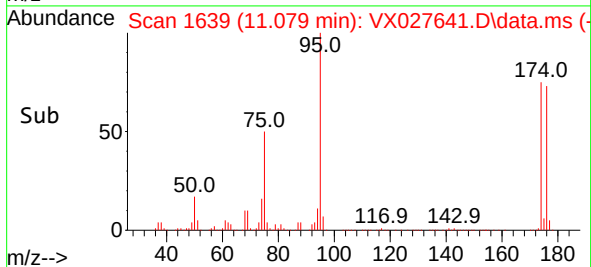
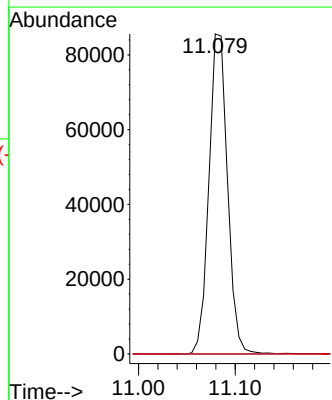
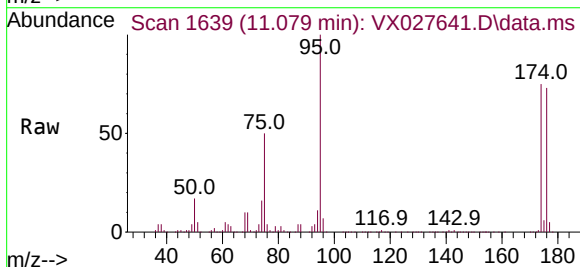
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-6

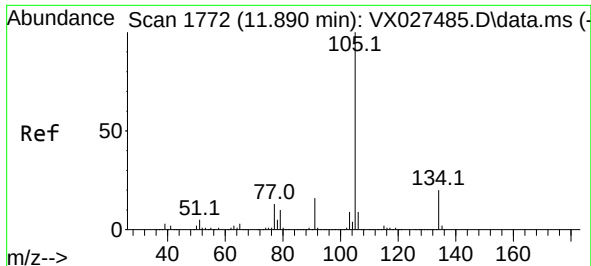
Tgt Ion: 75 Resp: 114540  
Ion Ratio Lower Upper  
75 100  
77 1.4 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.941 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX027641.D  
Acq: 23 Mar 2022 02:56

Tgt Ion: 75 Resp: 114540  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

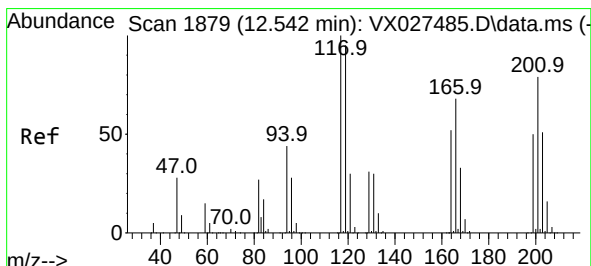
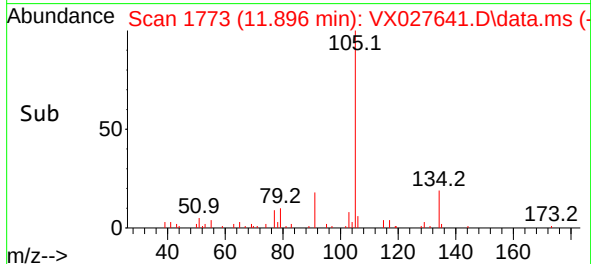
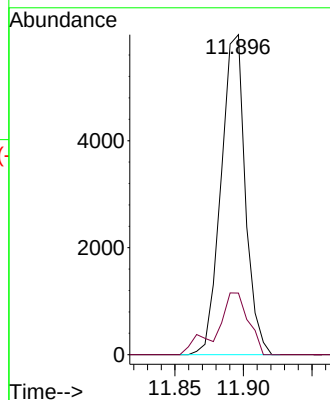
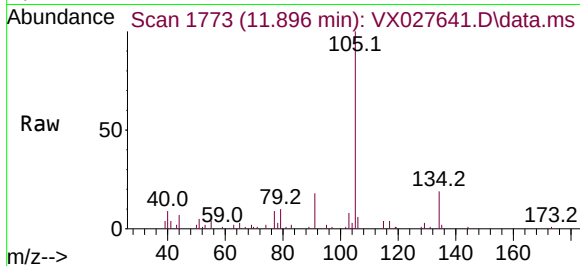




#85  
 sec-Butylbenzene  
 Concen: 0.429 ug/l  
 RT: 11.896 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX027641.D  
 Acq: 23 Mar 2022 02:56

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-6

Tgt Ion:105 Resp: 7378  
 Ion Ratio Lower Upper  
 105 100  
 134 25.2 10.2 30.4



#90  
 Hexachloroethane  
 Concen: 2.459 ug/l  
 RT: 12.646 min Scan# 1896  
 Delta R.T. 0.104 min  
 Lab File: VX027641.D  
 Acq: 23 Mar 2022 02:56

Tgt Ion:117 Resp: 5794  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 39.5 118.5#

