

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092923\  
 Data File : VX037970.D  
 Acq On : 29 Sep 2023 13:04  
 Operator : JC/MD  
 Sample : 04656-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-106D

Quant Time: Sep 29 23:03:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

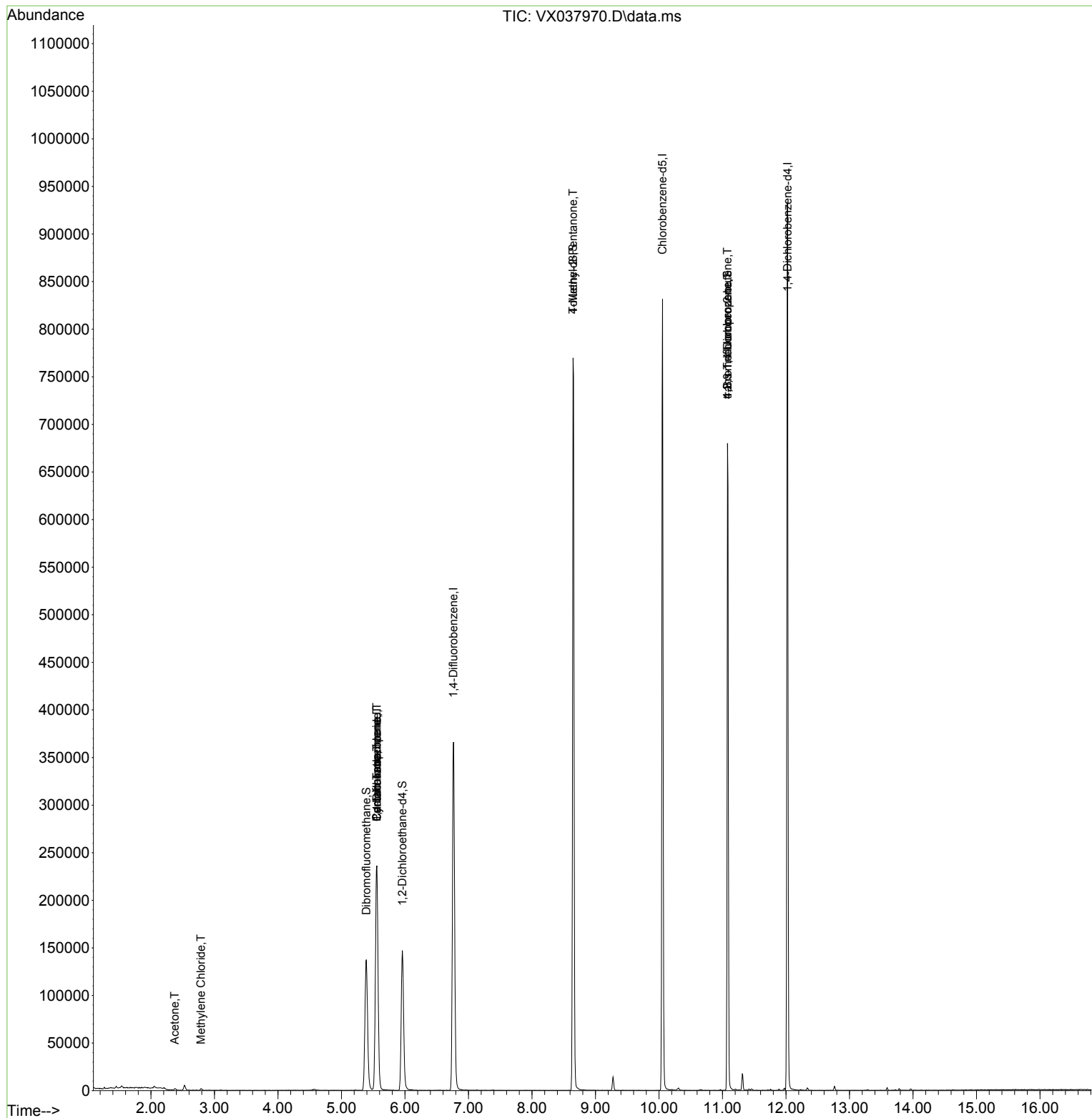
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 230682   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 390589   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 382169   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 199307   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 138909   | 45.832   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 91.660%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 120803   | 46.224   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.440%  |
| 50) Toluene-d8                | 8.647  | 98    | 477495   | 49.173   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 98.340%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 182627   | 51.756   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 103.520% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.374  | 43    | 2061     | 1.414    | ug/l # | 80       |
| 20) Methylene Chloride        | 2.788  | 84    | 863      | 0.295    | ug/l # | 77       |
| 31) Cyclohexane               | 5.556  | 56    | 4960     | 1.275    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 17375    | 4.826    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 23224    | 6.165    | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 2058     | 0.513    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 91365    | 19.820   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 91365    | 63.490   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
Response via : Initial Calibration

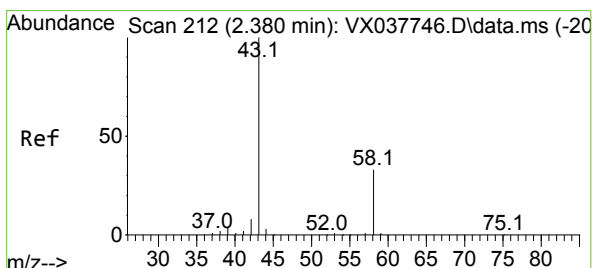
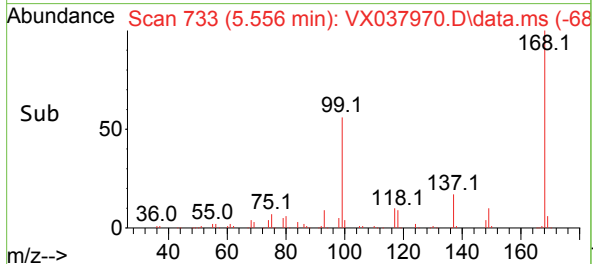
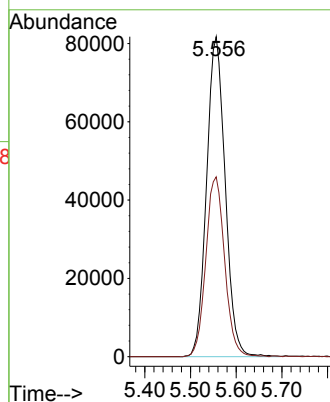
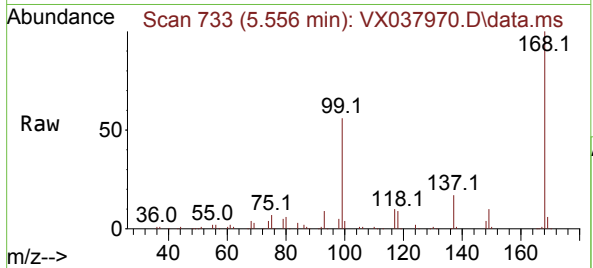




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

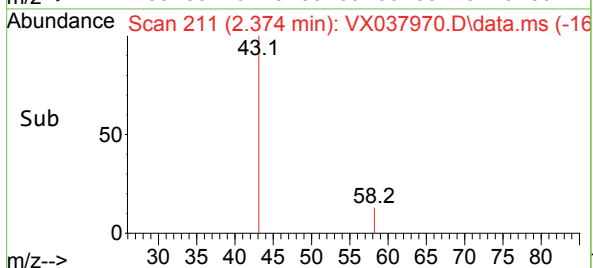
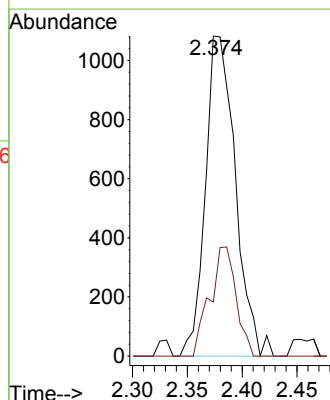
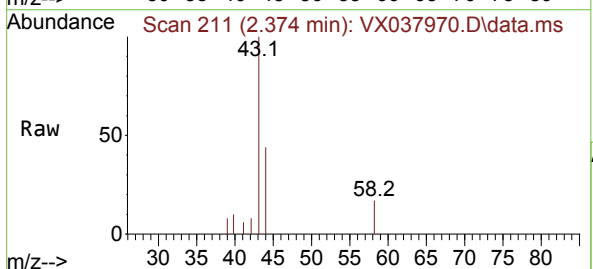
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-106D

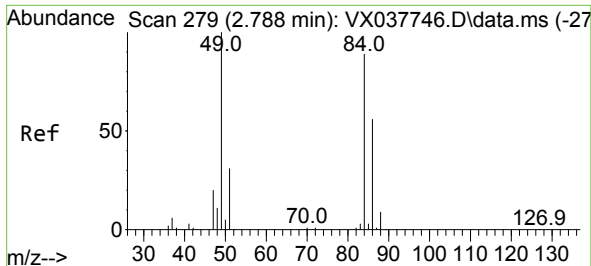
Tgt Ion:168 Resp: 230682  
Ion Ratio Lower Upper  
168 100  
99 56.2 56.6 85.0#



#16  
Acetone  
Concen: 1.414 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

Tgt Ion: 43 Resp: 2061  
Ion Ratio Lower Upper  
43 100  
58 16.9 21.9 32.9#

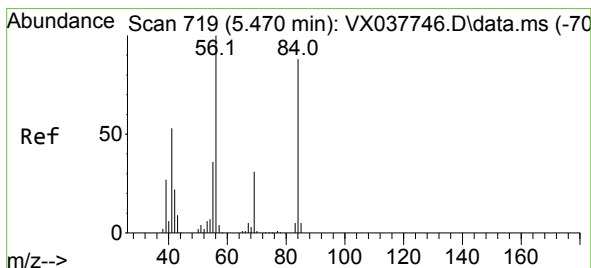
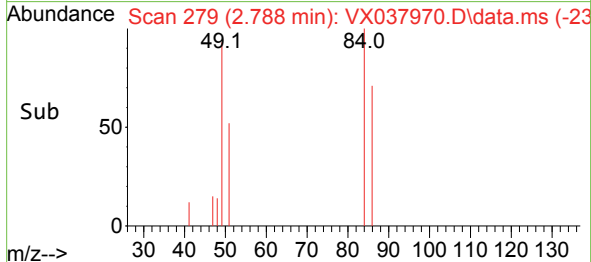
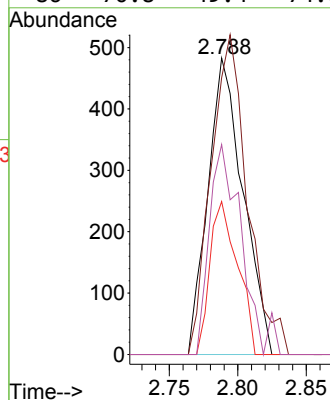
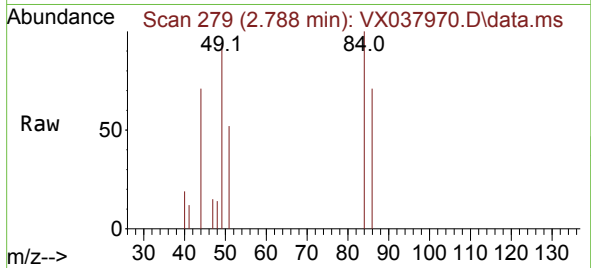




#20  
Methylene Chloride  
Concen: 0.295 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

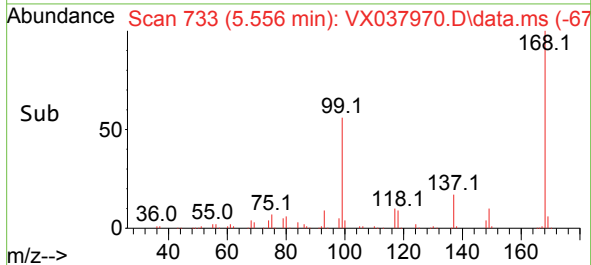
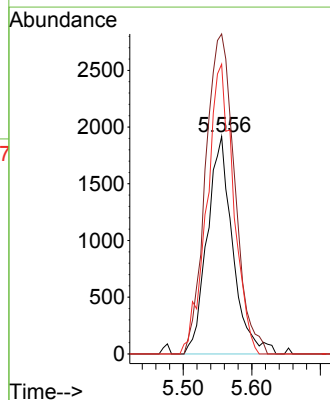
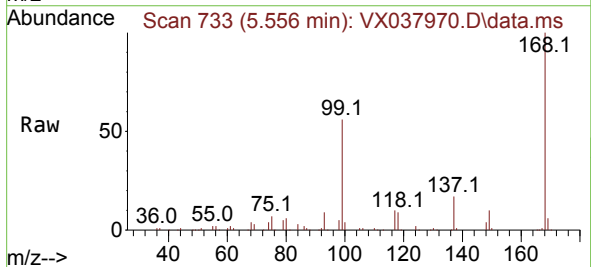
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-106D

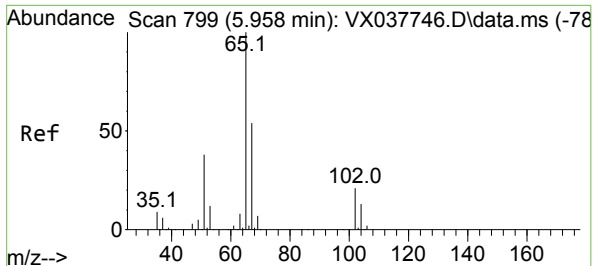
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 863    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 93.4  | 103.6 | 155.4# |
| 51       | 51.6  | 33.8  | 50.6#  |
| 86       | 70.8  | 49.4  | 74.0   |



#31  
Cyclohexane  
Concen: 1.275 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.086 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 4960  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 147.2 | 23.4  | 35.2# |
| 84       | 133.3 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 45.832 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037970.D

Acq: 29 Sep 2023 13:04

Instrument :

MSVOA\_X

ClientSampleId :

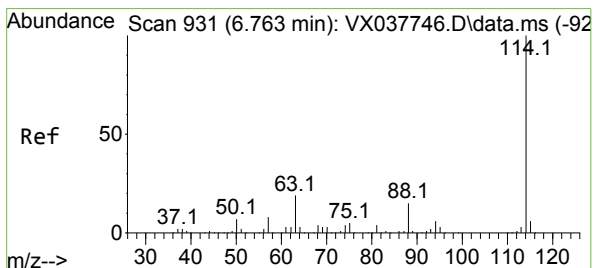
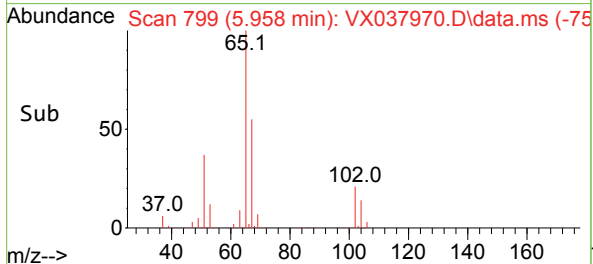
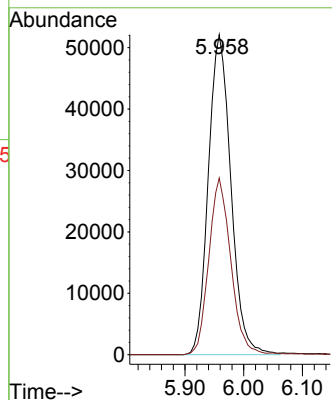
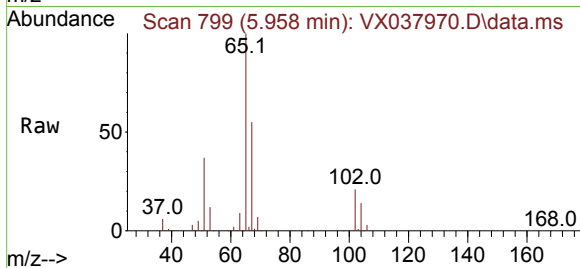
MW-106D

Tgt Ion: 65 Resp: 138909

Ion Ratio Lower Upper

65 100

67 54.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037970.D

Acq: 29 Sep 2023 13:04

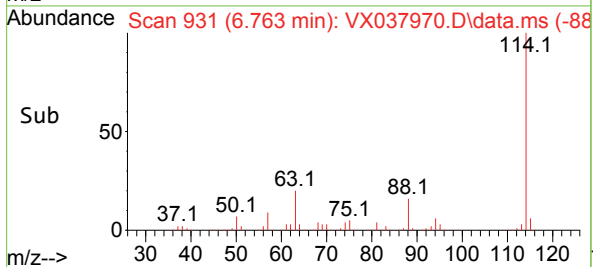
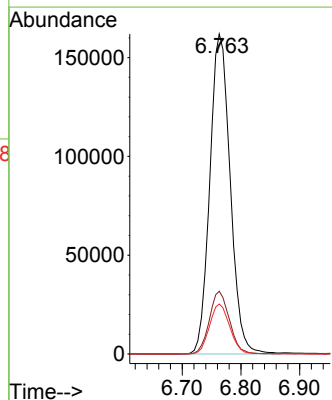
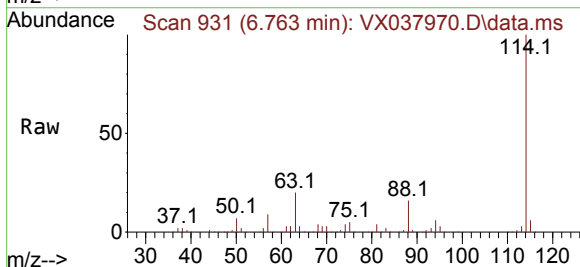
Tgt Ion: 114 Resp: 390589

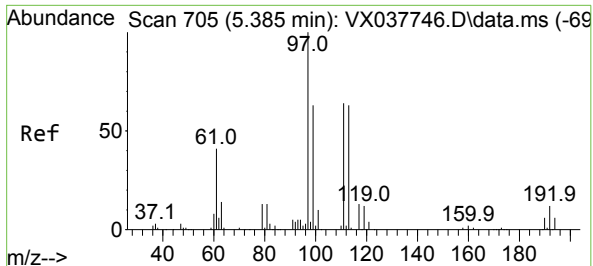
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

88 15.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.224 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037970.D

Acq: 29 Sep 2023 13:04

Instrument :

MSVOA\_X

ClientSampleId :

MW-106D

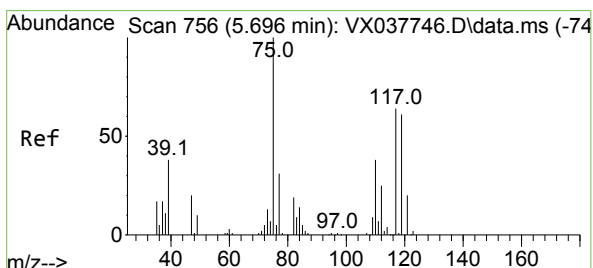
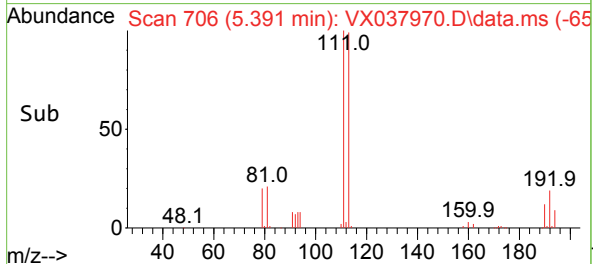
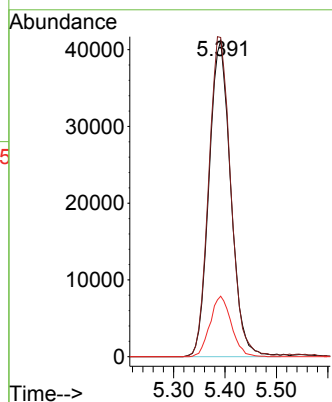
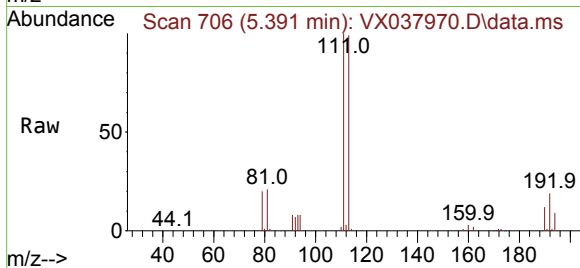
Tgt Ion:113 Resp: 120803

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 18.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.826 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX037970.D

Acq: 29 Sep 2023 13:04

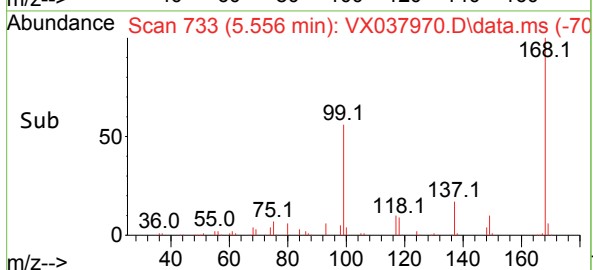
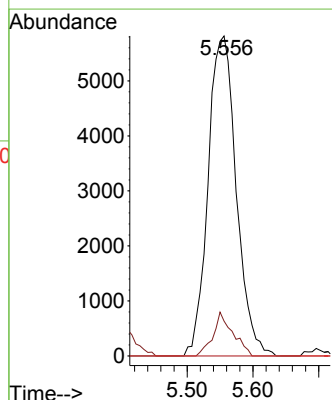
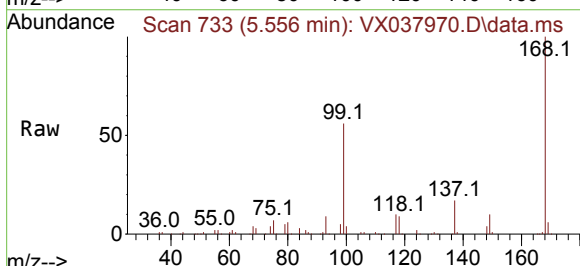
Tgt Ion: 75 Resp: 17375

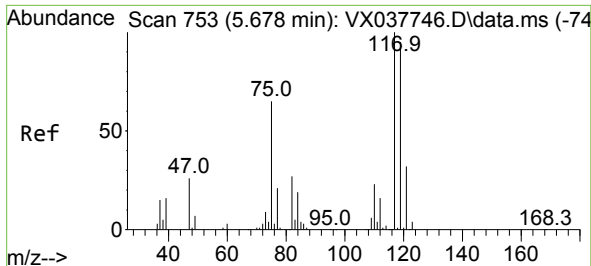
Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

77 0.0 24.7 37.1#

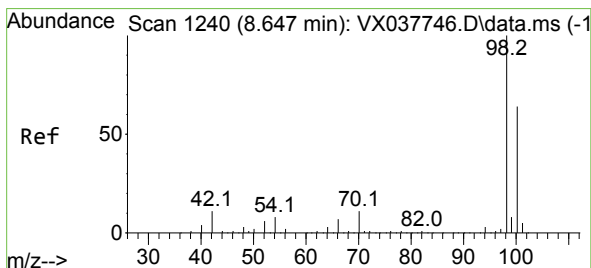
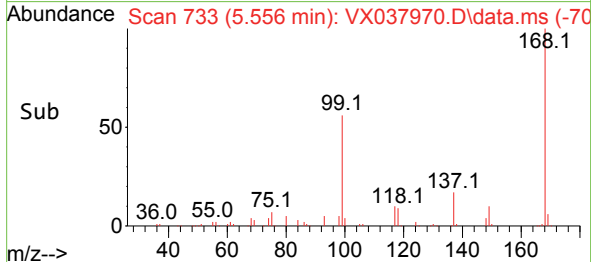
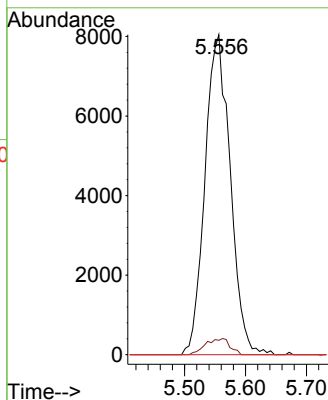
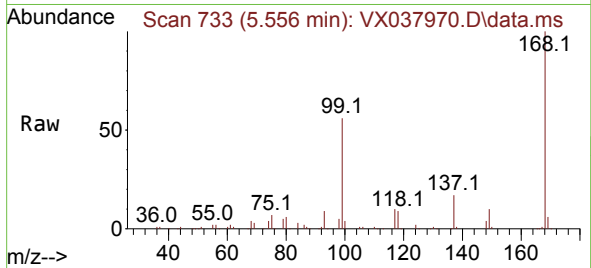




#38  
Carbon Tetrachloride  
Concen: 6.165 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

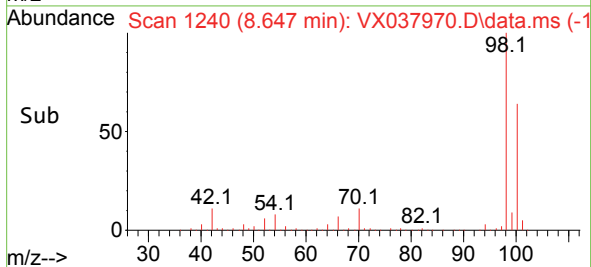
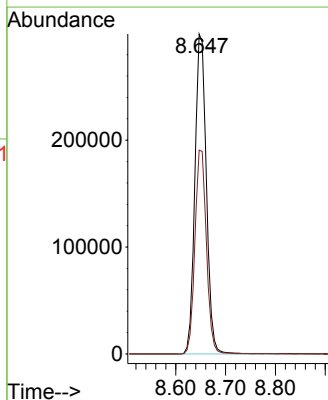
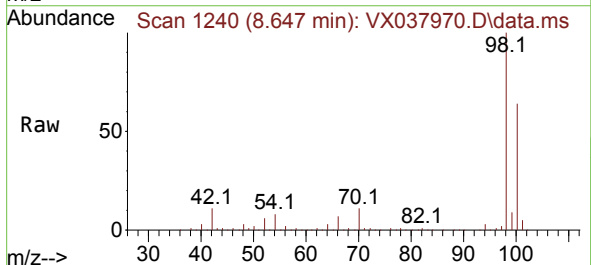
Instrument :  
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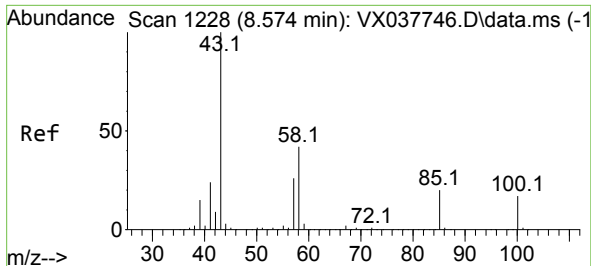
Tgt Ion:117 Resp: 23224  
Ion Ratio Lower Upper  
117 100  
119 4.5 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 49.173 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

Tgt Ion: 98 Resp: 477495  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.1 79.7

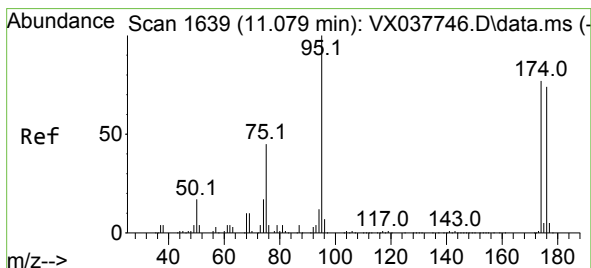
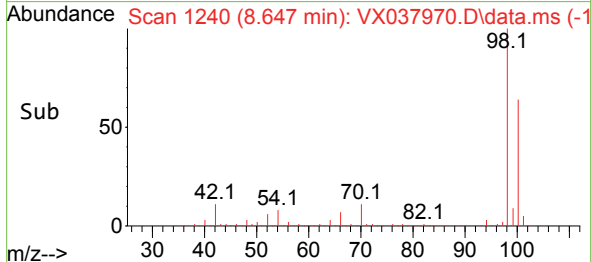
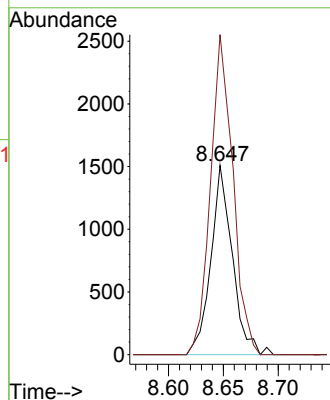
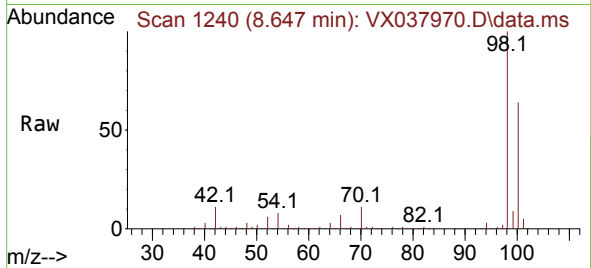




#51  
4-Methyl-2-Pentanone  
Concen: 0.513 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

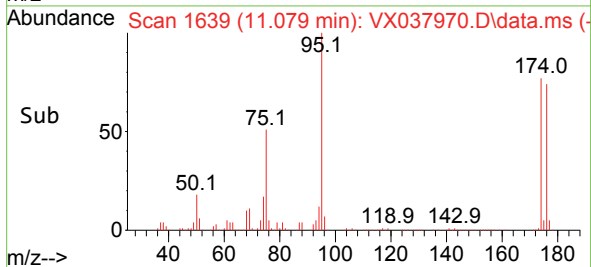
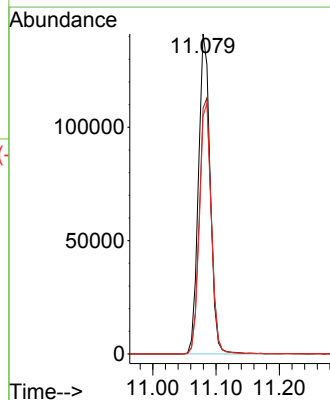
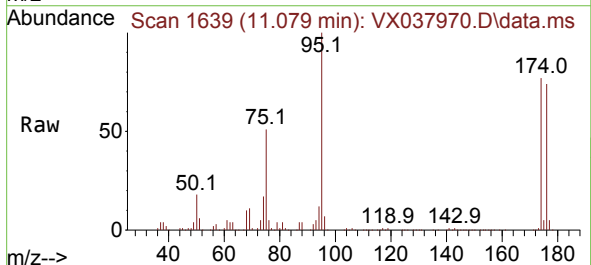
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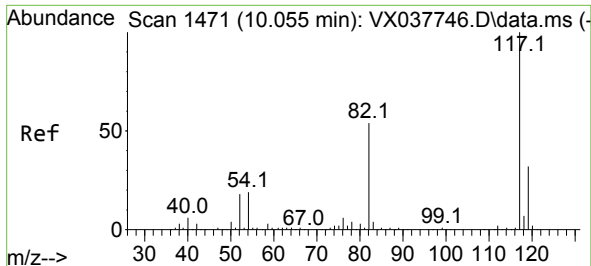
Tgt Ion: 43 Resp: 2058  
Ion Ratio Lower Upper  
43 100  
58 176.3 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 51.756 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

Tgt Ion: 95 Resp: 182627  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 135.6  
176 79.1 0.0 131.0

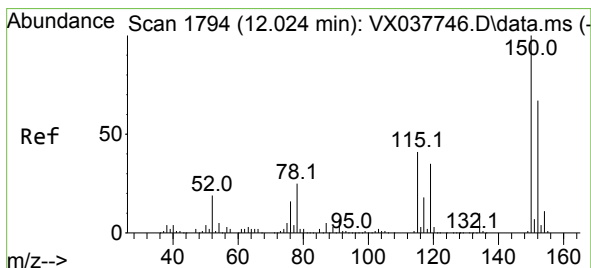
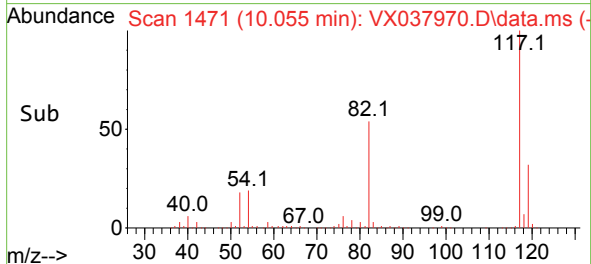
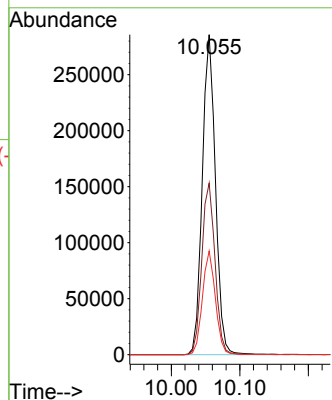
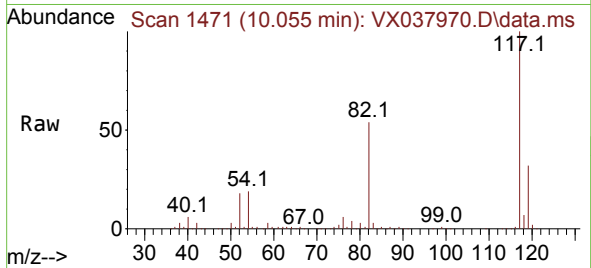




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

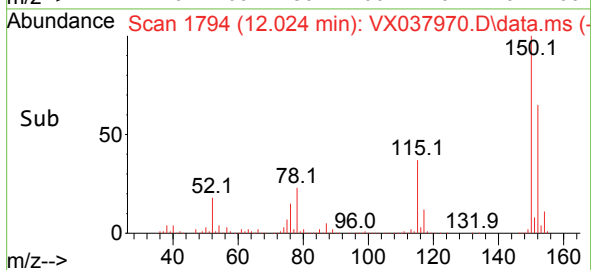
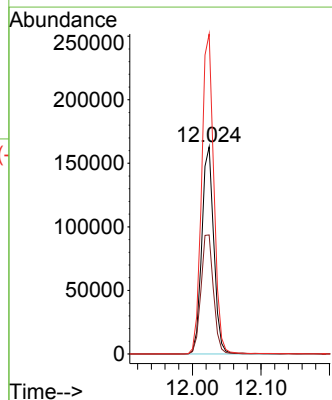
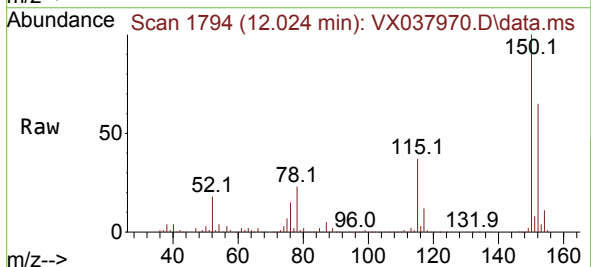
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-106D

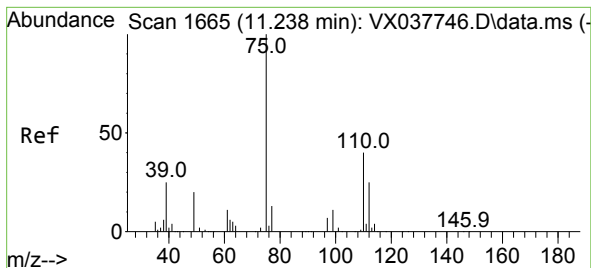
Tgt Ion:117 Resp: 382169  
Ion Ratio Lower Upper  
117 100  
82 53.6 46.2 69.4  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX037970.D  
Acq: 29 Sep 2023 13:04

Tgt Ion:152 Resp: 199307  
Ion Ratio Lower Upper  
152 100  
115 59.8 43.3 129.9  
150 157.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.820 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037970.D

Acq: 29 Sep 2023 13:04

Instrument :

MSVOA\_X

ClientSampleId :

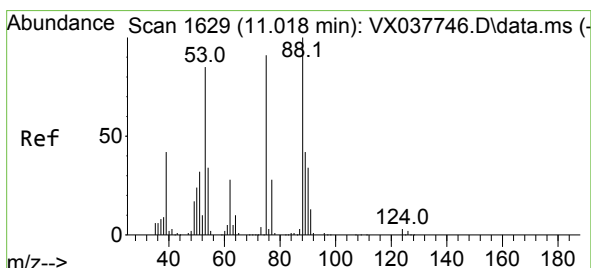
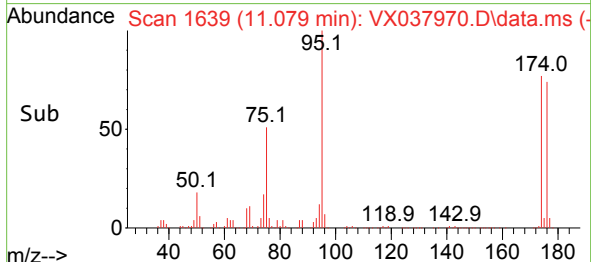
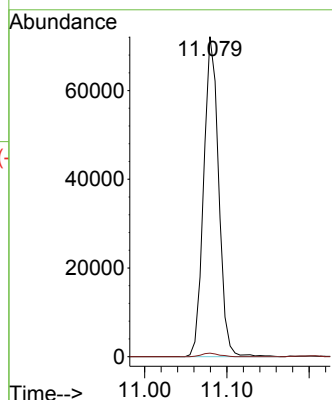
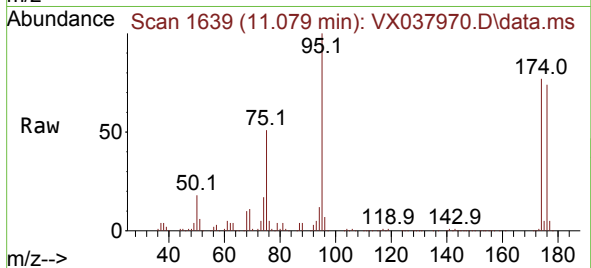
MW-106D

Tgt Ion: 75 Resp: 91365

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.490 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037970.D

Acq: 29 Sep 2023 13:04

Tgt Ion: 75 Resp: 91365

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

