

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123124\  
 Data File : VX044553.D  
 Acq On : 30 Dec 2024 18:51  
 Operator : JC/MD  
 Sample : P5376-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT17411-20241218

Quant Time: Dec 31 00:35:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

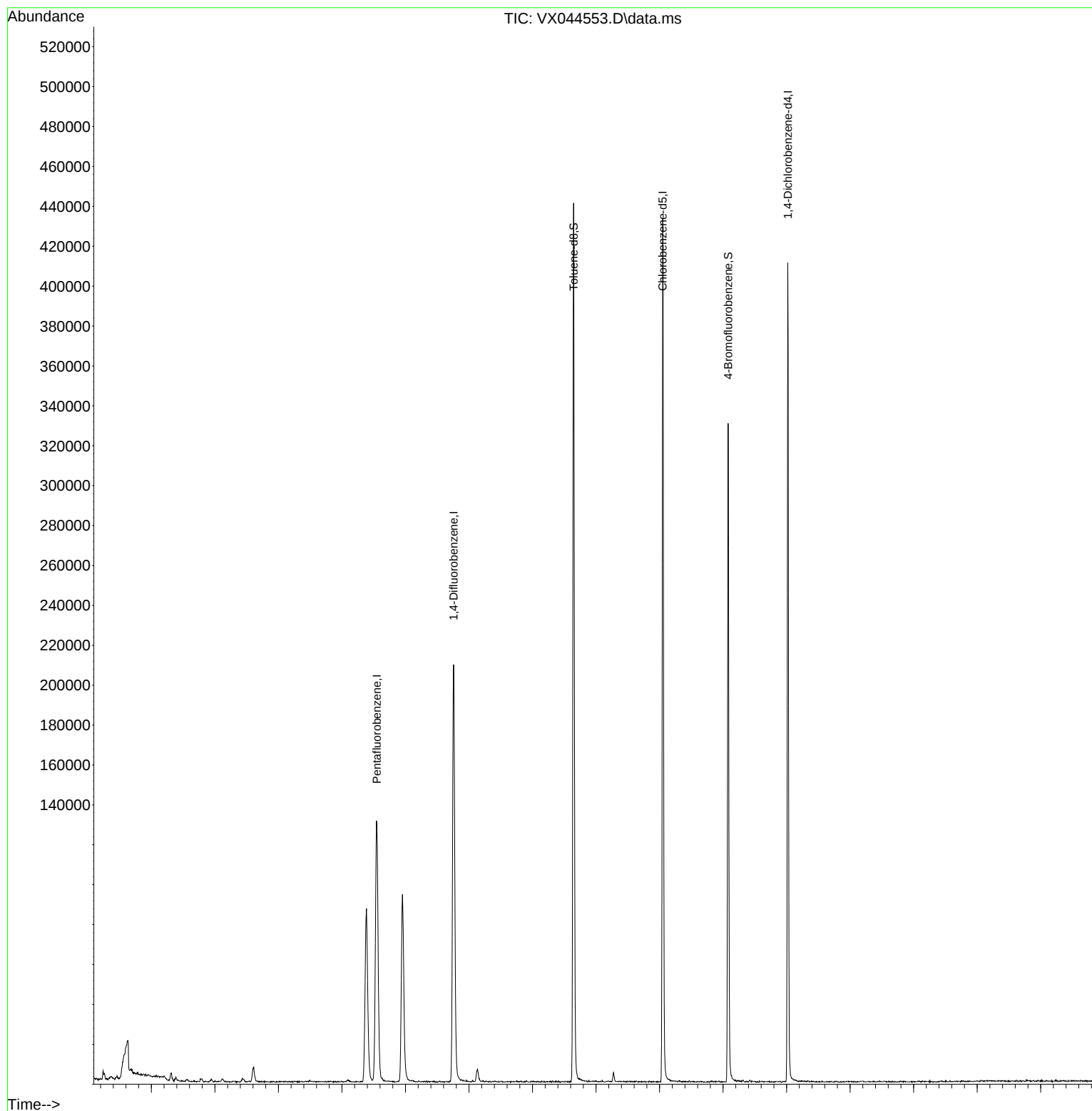
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 127903     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 216454     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.049         | 117  | 194600     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 84267      | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 91442      | 40.776   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 81.560%  |        |          |
| 35) Dibromofluoromethane    | 5.379          | 113  | 72824      | 48.577   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 97.160%  |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 260638     | 51.533   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 103.060% |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 84702      | 47.928   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 95.860%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
| 12) 1,1-Dichloroethene      | 2.313          | 96   | 1346       | 0.939    | ug/l   | 96       |
| 16) Acetone                 | 2.386          | 43   | 1508       | 1.649    | ug/l # | 82       |
| 19) Methyl tert-butyl Ether | 3.111          | 73   | 1419       | 0.254    | ug/l # | 86       |
| 20) Methylene Chloride      | 2.776          | 84   | 764        | 0.445    | ug/l # | 53       |
| 24) 1,1-Dichloroethane      | 3.611          | 63   | 8031       | 2.679    | ug/l   | 93       |
| 30) Chloroform              | 5.093          | 83   | 907        | 0.269    | ug/l   | 100      |
| 44) Trichloroethene         | 7.135          | 130  | 2535       | 1.728    | ug/l   | 97       |
| 64) Tetrachloroethene       | 9.281          | 164  | 692        | 0.536    | ug/l # | 85       |
| -----                       |                |      |            |          |        |          |

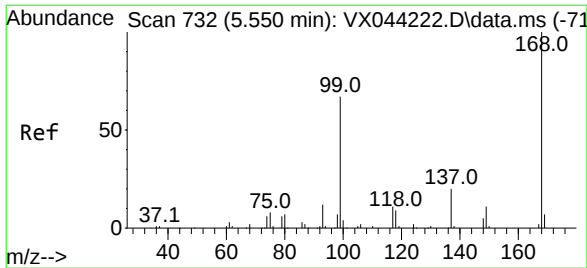
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123124\  
Data File : VX044553.D  
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Sample : P5376-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT174I1-20241218

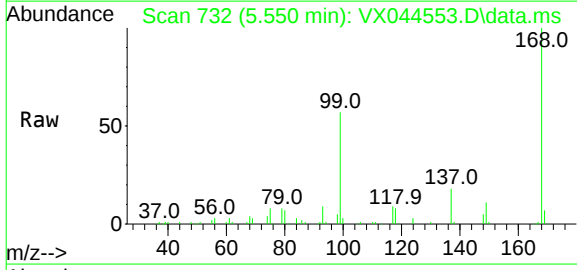
Quant Time: Dec 31 00:35:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration



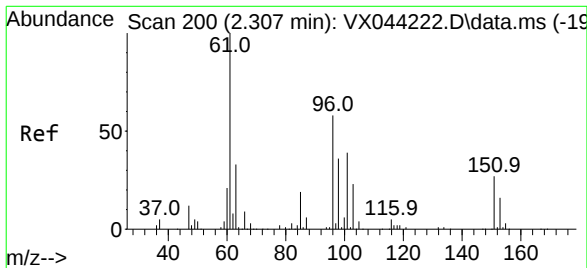
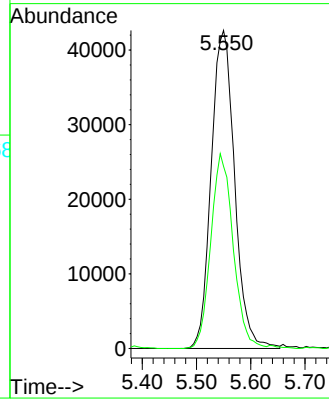
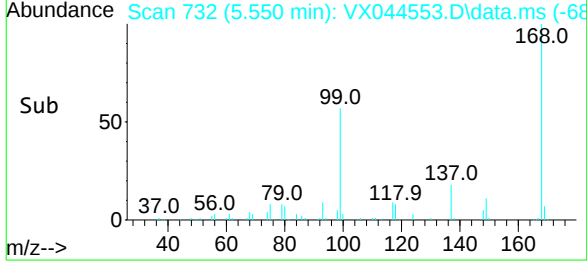


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT17411-20241218

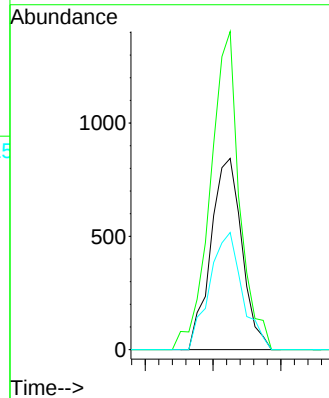
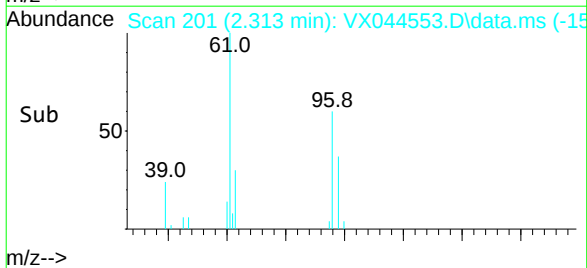
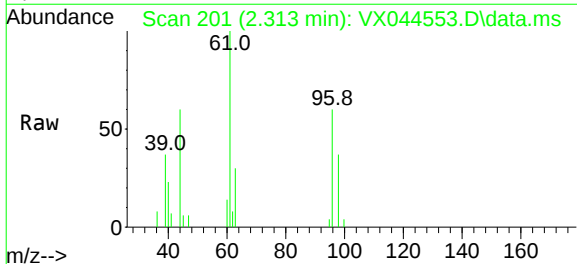


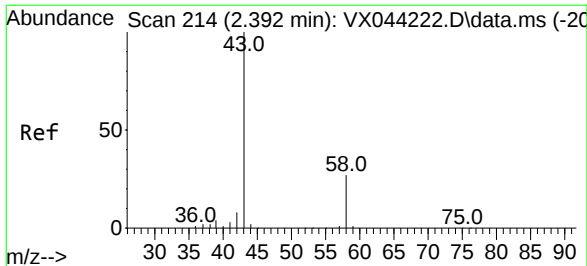
Tgt Ion: 168 Resp: 127903  
Ion Ratio Lower Upper  
168 100  
99 57.3 53.4 80.0



#12  
1,1-Dichloroethene  
Concen: 0.939 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

Tgt Ion: 96 Resp: 1346  
Ion Ratio Lower Upper  
96 100  
61 166.4 138.0 207.0  
98 61.3 50.0 75.0





#16

Acetone

Concen: 1.649 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Instrument :

MSVOA\_X

ClientSampleId :

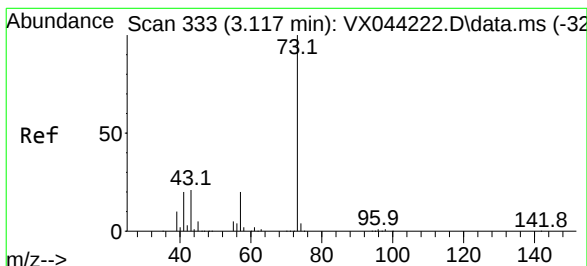
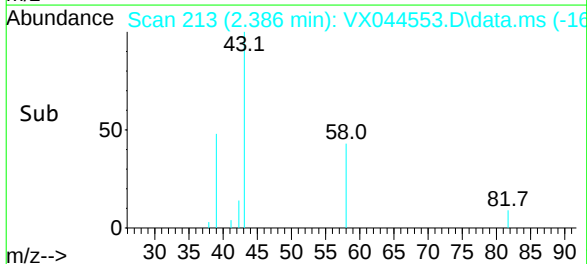
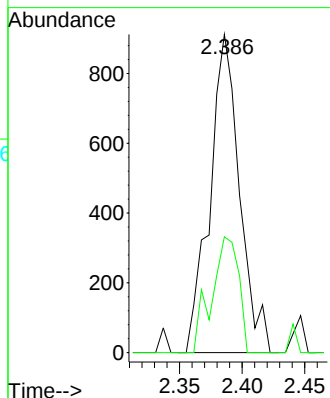
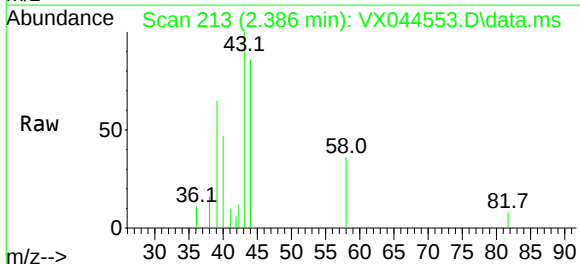
TT17411-20241218

Tgt Ion: 43 Resp: 1508

Ion Ratio Lower Upper

43 100

58 36.4 21.6 32.4#



#19

Methyl tert-butyl Ether

Concen: 0.254 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.006 min

Lab File: VX044553.D

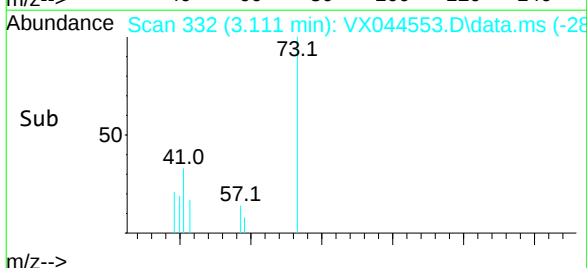
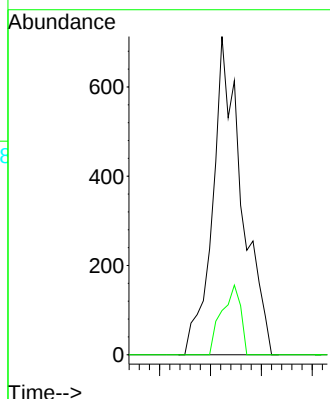
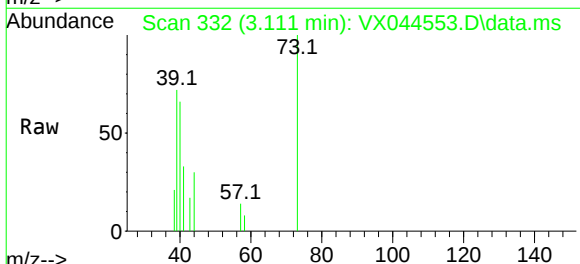
Acq: 30 Dec 2024 18:51

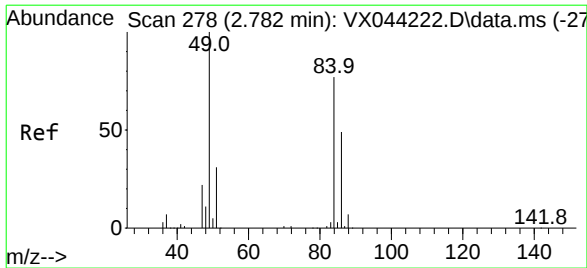
Tgt Ion: 73 Resp: 1419

Ion Ratio Lower Upper

73 100

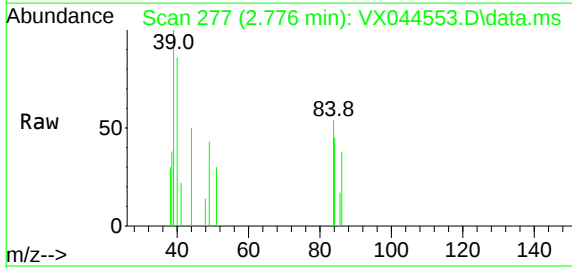
57 13.9 16.2 24.4#



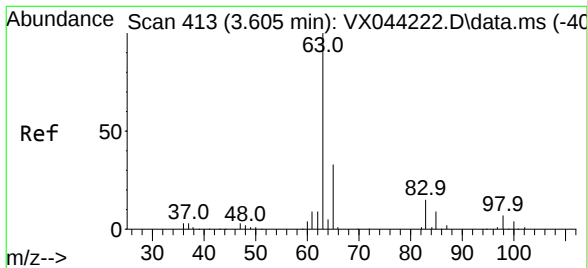
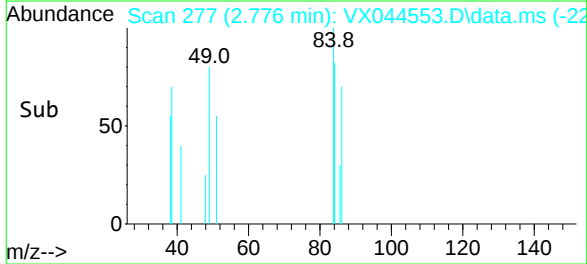
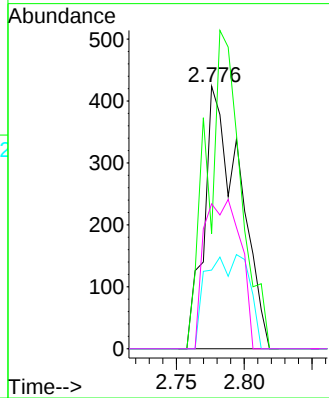


#20  
Methylene Chloride  
Concen: 0.445 ug/l  
RT: 2.776 min Scan# 27  
Delta R.T. -0.006 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT17411-20241218

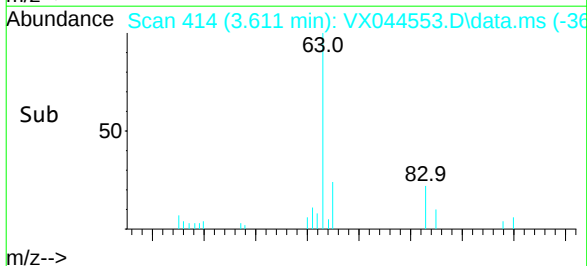
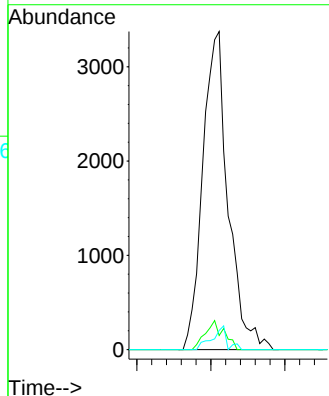
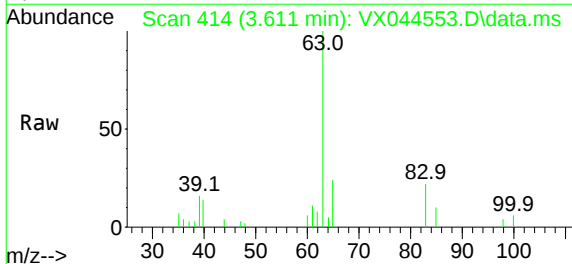


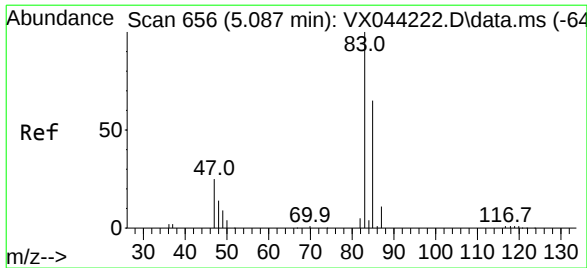
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 764    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 43.9  | 104.2 | 156.4# |
| 51       | 30.0  | 32.2  | 48.4#  |
| 86       | 55.2  | 50.9  | 76.3   |



#24  
1,1-Dichloroethane  
Concen: 2.679 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 8031  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 4.4   | 3.6   | 10.8  |
| 100      | 6.0   | 2.1   | 6.3   |

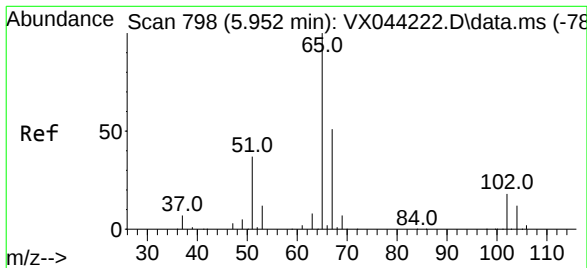
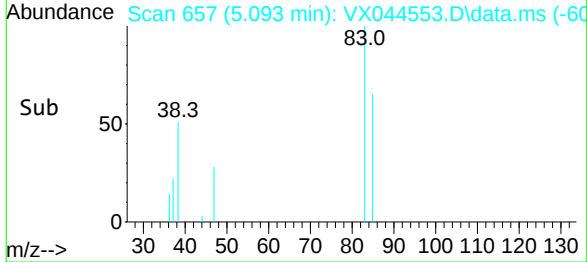
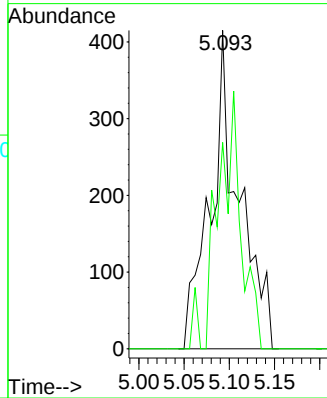
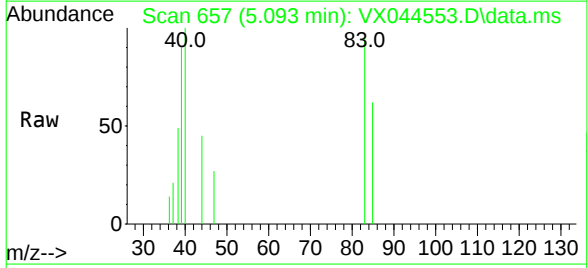




#30  
Chloroform  
Concen: 0.269 ug/l  
RT: 5.093 min Scan# 65  
Delta R.T. 0.006 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

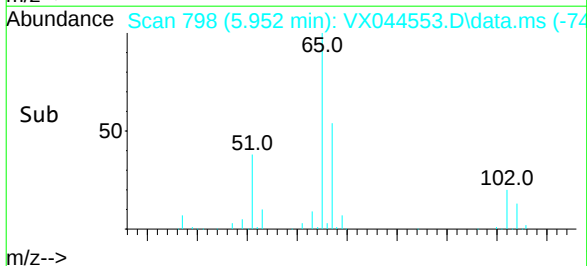
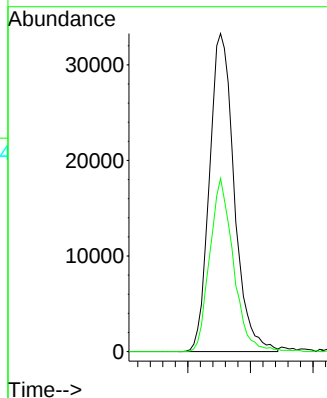
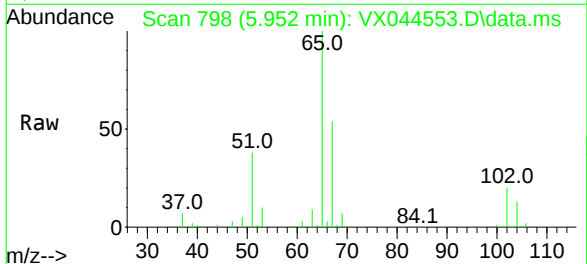
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT17411-20241218

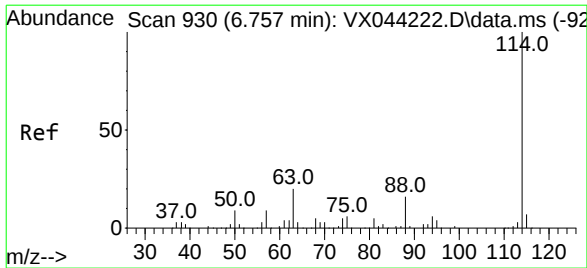
Tgt Ion: 83 Resp: 907  
Ion Ratio Lower Upper  
83 100  
85 64.8 51.6 77.4



#33  
1,2-Dichloroethane-d4  
Concen: 40.776 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

Tgt Ion: 65 Resp: 91442  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 101.6

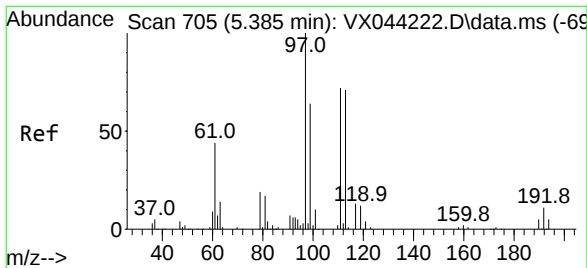
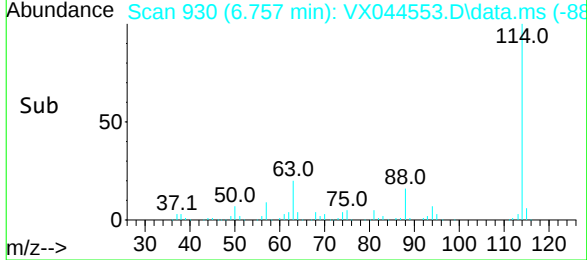
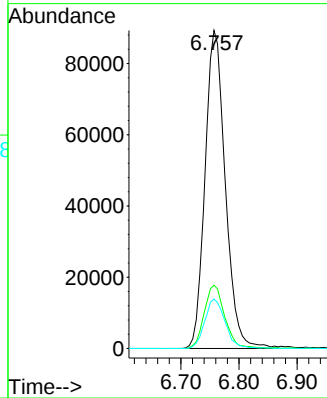
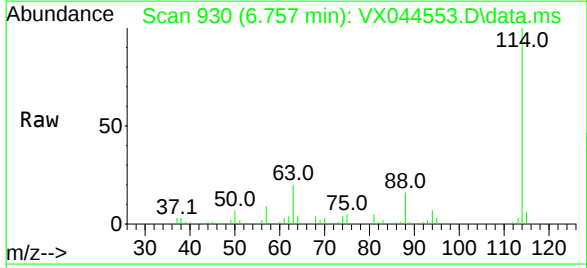




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

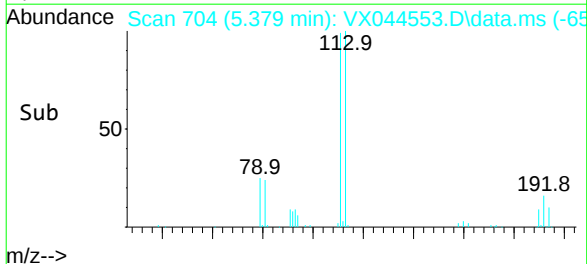
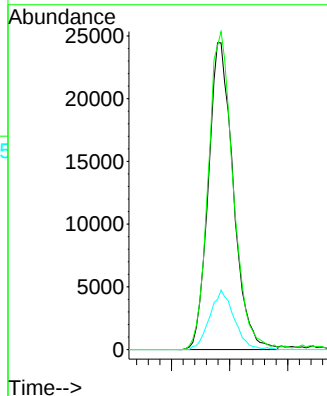
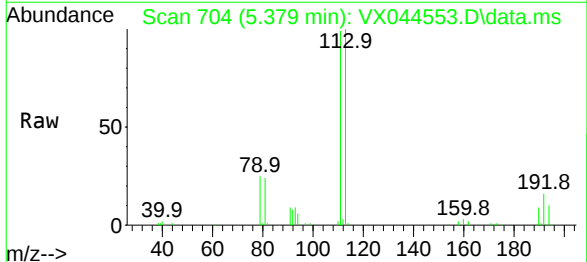
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT17411-20241218

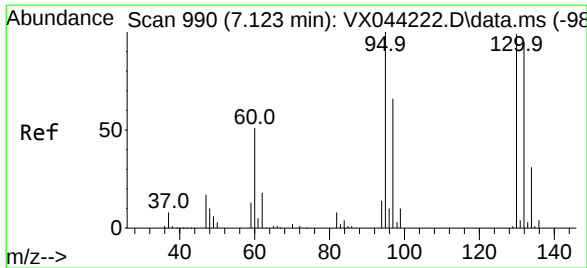
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|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 216454 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.9  | 0.0   | 40.6   |
| 88       | 15.6  | 0.0   | 31.8   |



#35  
Dibromofluoromethane  
Concen: 48.577 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 72824 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.8 | 80.4  | 120.6 |
| 192      | 18.8  | 13.3  | 19.9  |





#44

Trichloroethene

Concen: 1.728 ug/l

RT: 7.135 min Scan# 99

Delta R.T. 0.012 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Instrument :

MSVOA\_X

ClientSampleId :

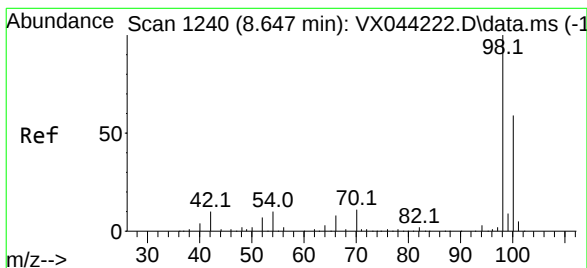
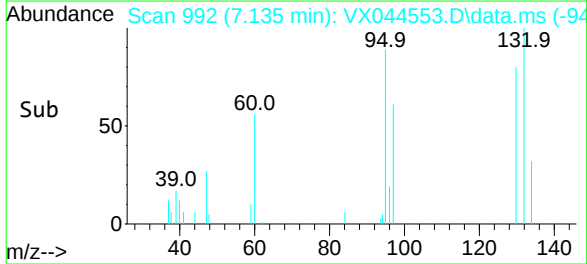
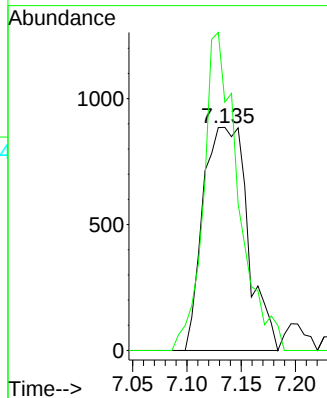
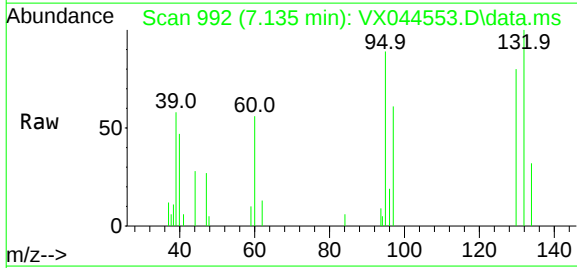
TT17411-20241218

Tgt Ion:130 Resp: 2535

Ion Ratio Lower Upper

130 100

95 104.2 0.0 201.4



#50

Toluene-d8

Concen: 51.533 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044553.D

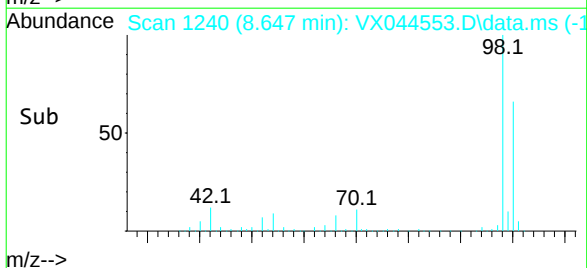
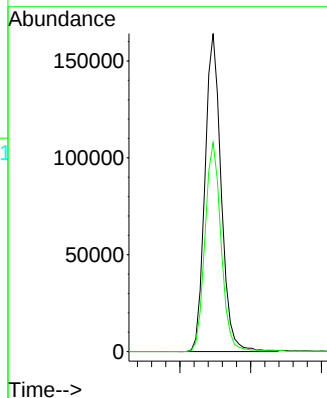
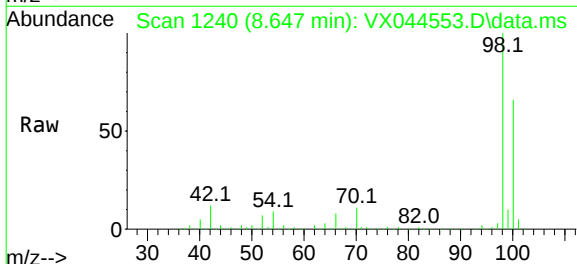
Acq: 30 Dec 2024 18:51

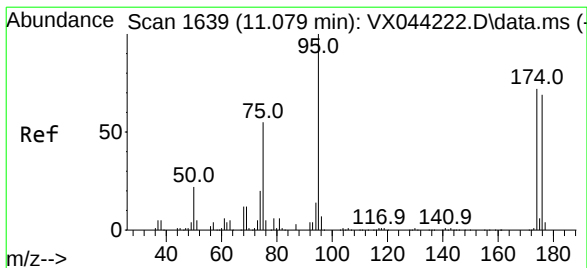
Tgt Ion: 98 Resp: 260638

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 47.928 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044553.D

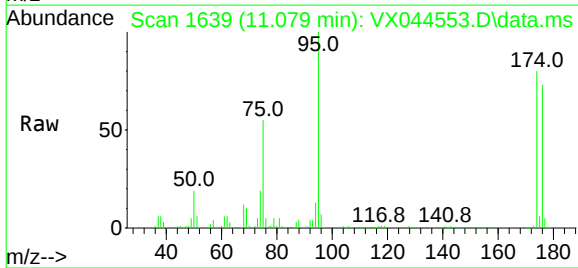
Acq: 30 Dec 2024 18:51

Instrument :

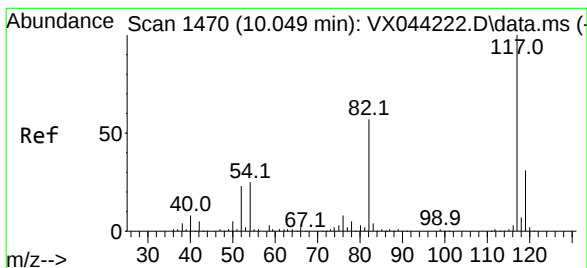
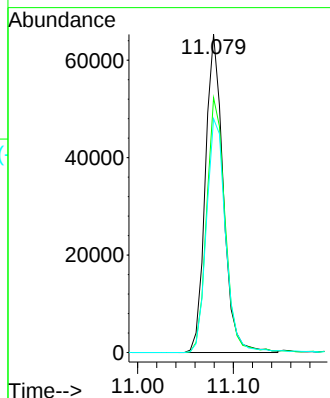
MSVOA\_X

ClientSampleId :

TT17411-20241218



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 84702 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 83.0  | 0.0   | 145.8 |
| 176      | 78.5  | 0.0   | 137.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

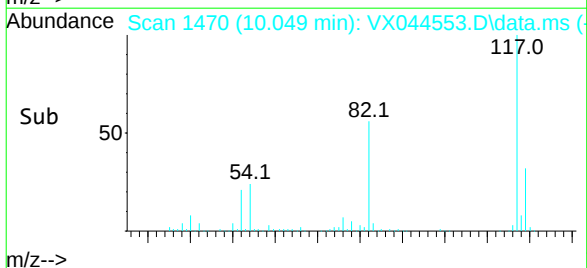
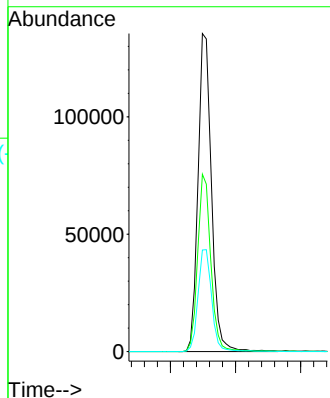
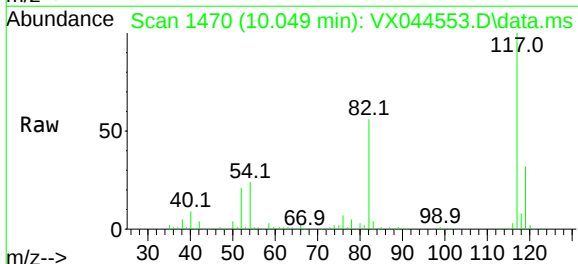
RT: 10.049 min Scan# 1470

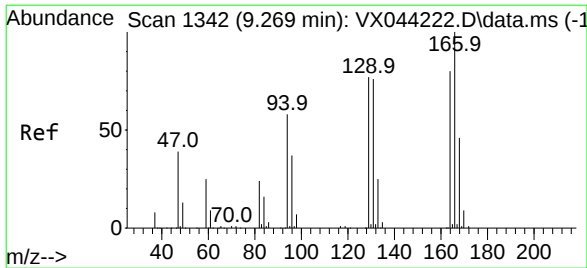
Delta R.T. 0.000 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

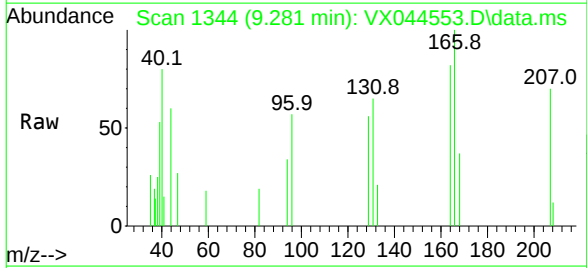
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 194600 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.8  | 45.8  | 68.8   |
| 119      | 31.9  | 25.0  | 37.4   |



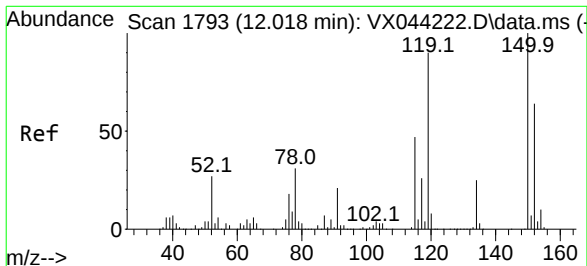
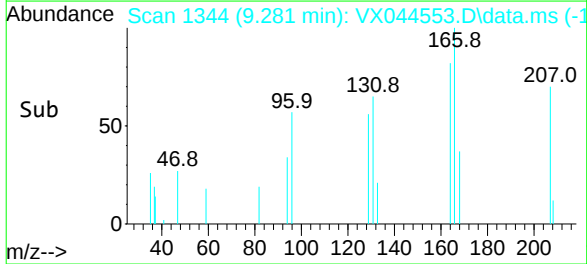
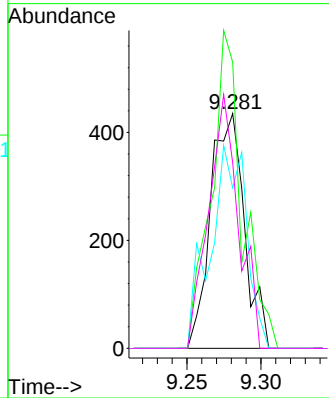


#64  
Tetrachloroethene  
Concen: 0.536 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. 0.012 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT17411-20241218



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 692   |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 121.8 | 100.4 | 150.6 |
| 129      | 68.3  | 77.2  | 115.8 |
| 131      | 79.1  | 76.2  | 114.2 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX044553.D  
Acq: 30 Dec 2024 18:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 84267 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 58.3  | 44.5  | 133.3 |
| 150      | 156.3 | 0.0   | 353.8 |

