

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050323\  
 Data File : VX035508.D  
 Acq On : 03 May 2023 14:38  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: May 04 03:56:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

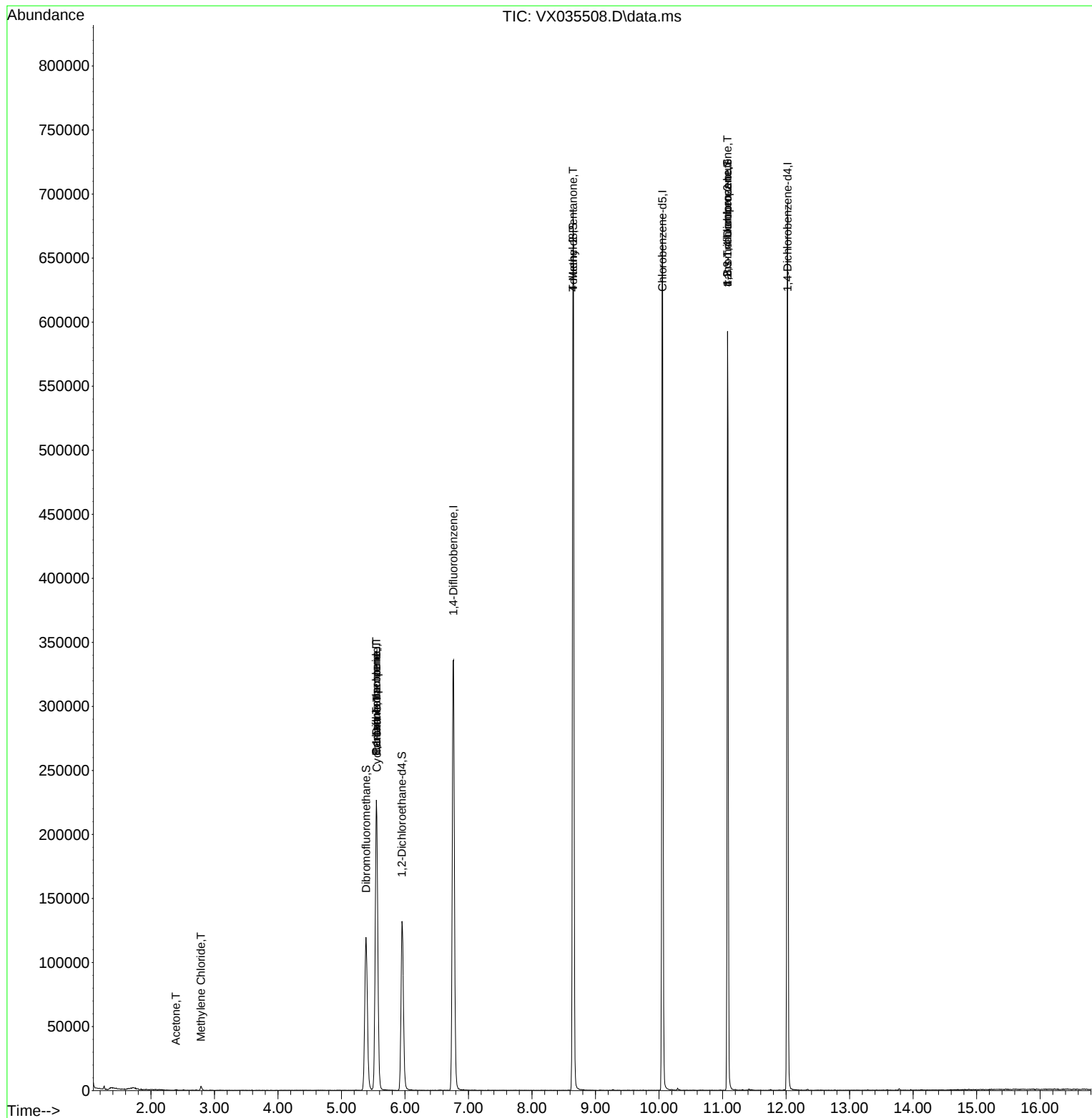
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) Pentafluorobenzene         | 5.550  | 168            | 221478   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114            | 359021   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 330039   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 157191   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65             | 129653   | 48.523 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =      | 97.040%  |          |
| 35) Dibromofluoromethane      | 5.385  | 113            | 106350   | 48.263 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =      | 96.520%  |          |
| 50) Toluene-d8                | 8.647  | 98             | 418814   | 50.383 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =      | 100.760% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 160316   | 51.268 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =      | 102.540% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 16) Acetone                   | 2.392  | 43             | 430      | 0.371  | ug/l #   | 44       |
| 20) Methylene Chloride        | 2.788  | 84             | 1340     | 0.504  | ug/l #   | 77       |
| 31) Cyclohexane               | 5.556  | 56             | 4044     | 1.067  | ug/l #   | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75             | 16057    | 4.667  | ug/l #   | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117            | 21986    | 6.731  | ug/l #   | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43             | 1652     | 0.509  | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 77573    | 24.739 | ug/l #   | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 77573    | 80.126 | ug/l #   | 8        |
| -----                         |        |                |          |        |          |          |

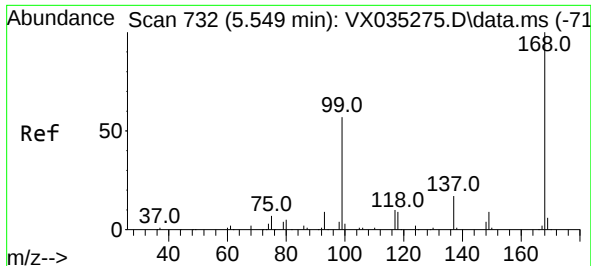
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
IBLK

Quant Time: May 04 03:56:53 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
Response via : Initial Calibration

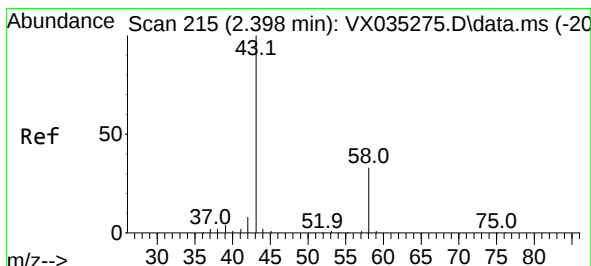
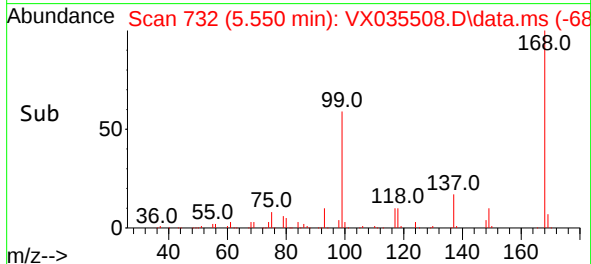
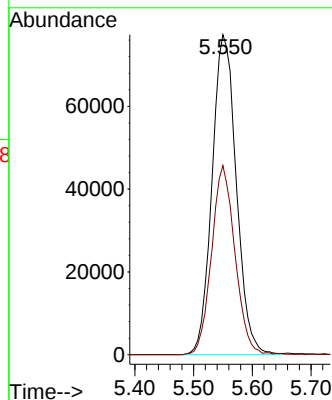
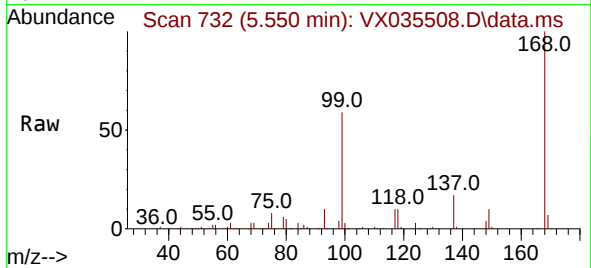




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

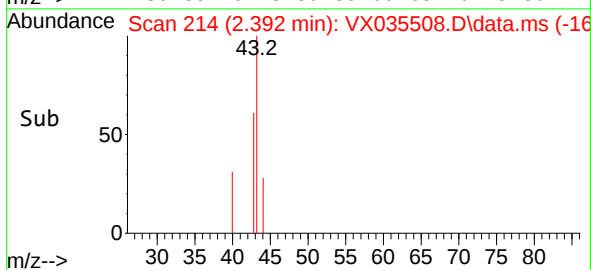
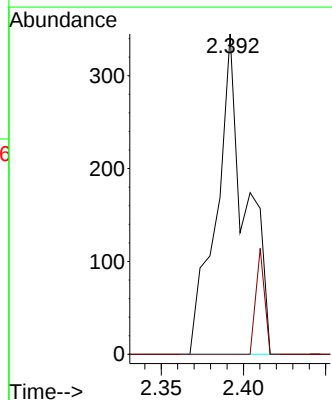
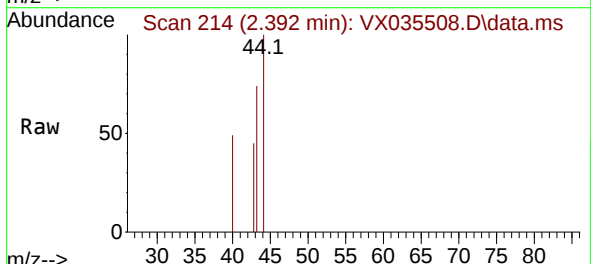
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

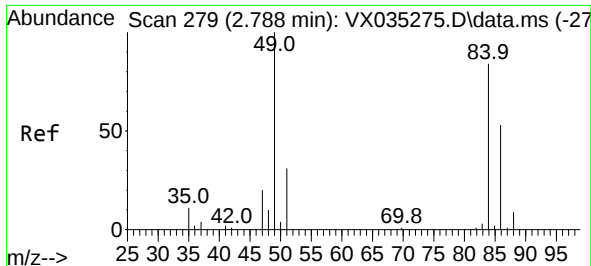
Tgt Ion:168 Resp: 221478  
Ion Ratio Lower Upper  
168 100  
99 59.1 45.7 68.5



#16  
Acetone  
Concen: 0.371 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

Tgt Ion: 43 Resp: 430  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.7 37.1#

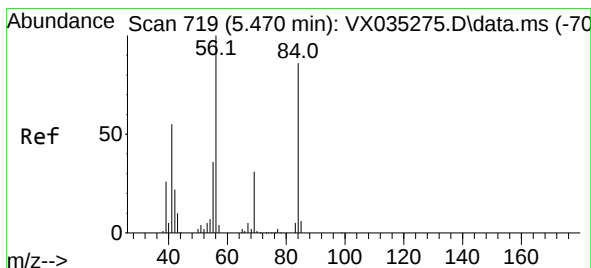
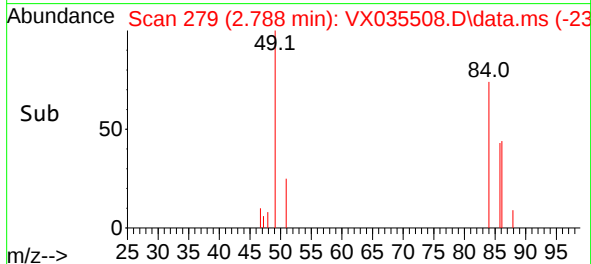
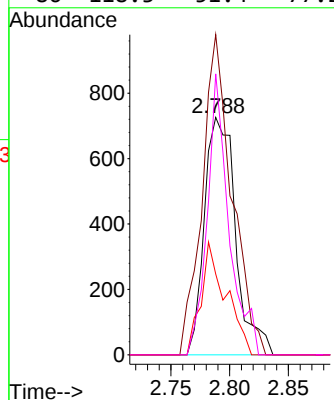
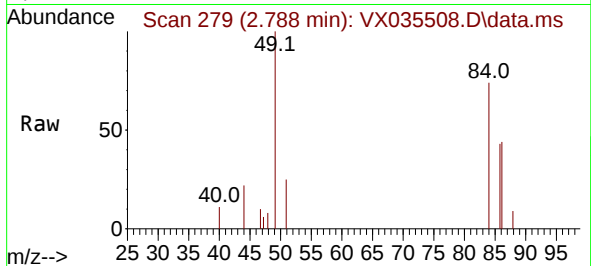




#20  
Methylene Chloride  
Concen: 0.504 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

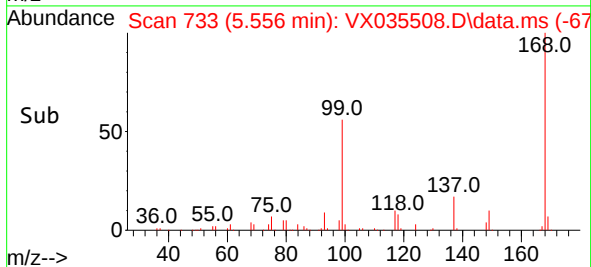
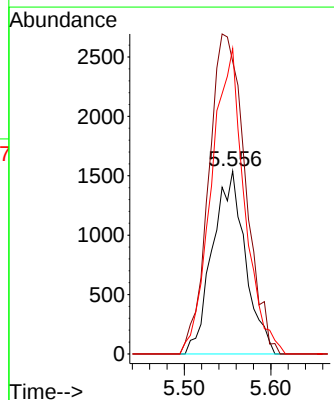
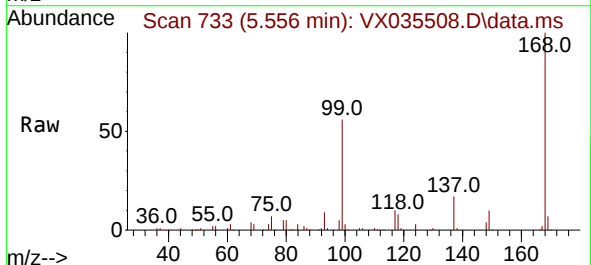
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

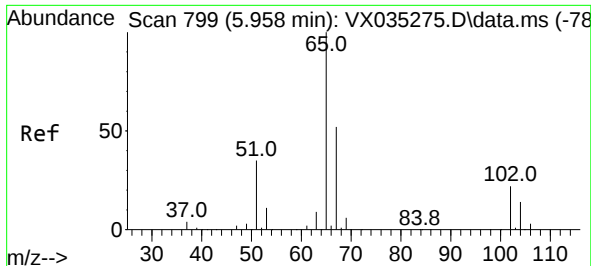
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1340  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 134.8 | 103.8 | 155.8 |
| 51       | 34.0  | 31.8  | 47.8  |
| 86       | 118.3 | 51.4  | 77.2# |



#31  
Cyclohexane  
Concen: 1.067 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.086 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4044   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 159.9 | 23.7  | 35.5#  |
| 84       | 166.9 | 68.5  | 102.7# |





#33

1,2-Dichloroethane-d4

Concen: 48.523 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

Instrument :

MSVOA\_X

ClientSampleId :

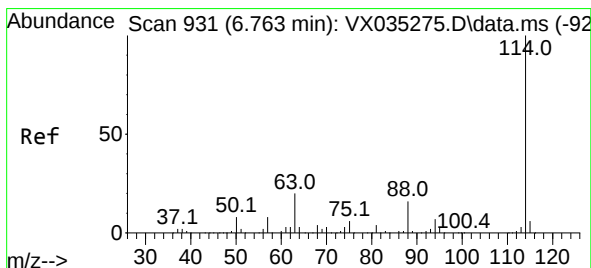
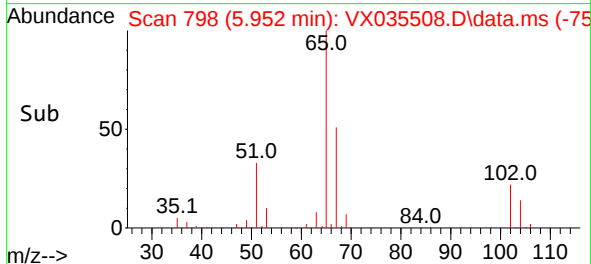
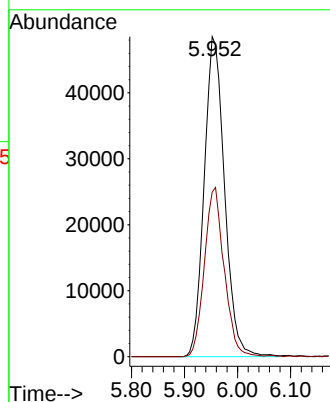
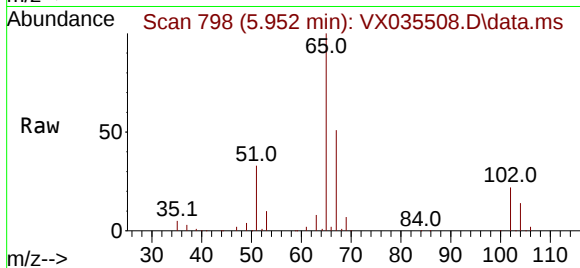
IBLK

Tgt Ion: 65 Resp: 129653

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

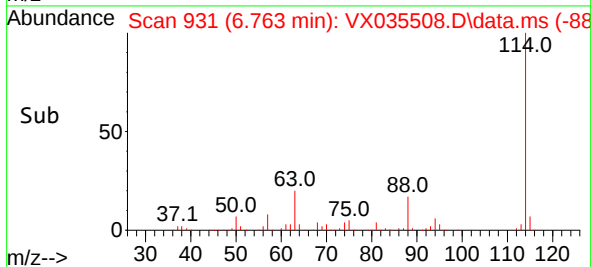
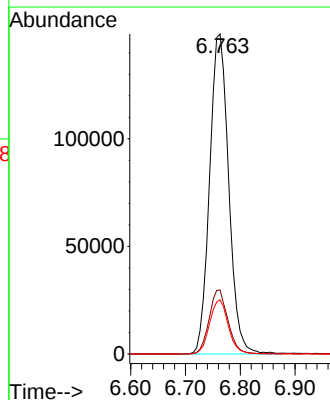
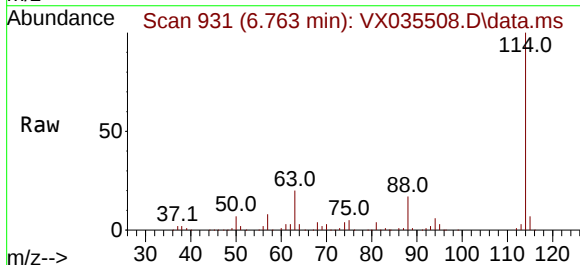
Tgt Ion: 114 Resp: 359021

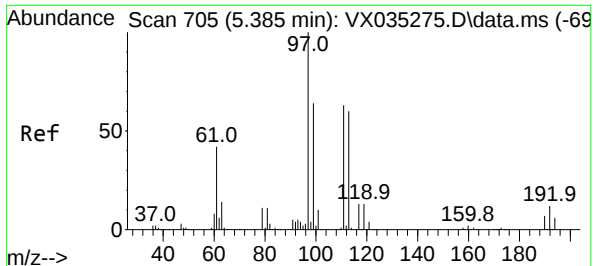
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.2

88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.263 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

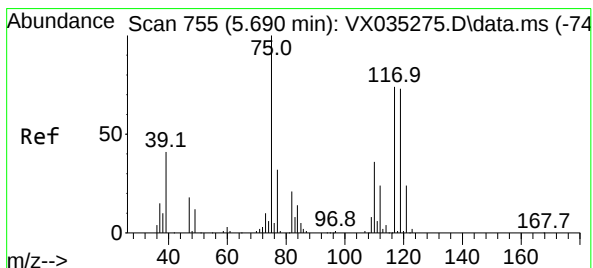
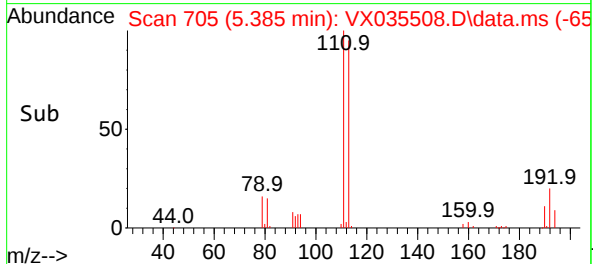
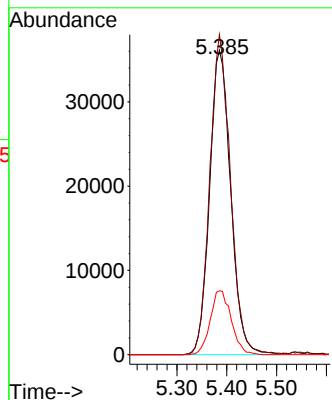
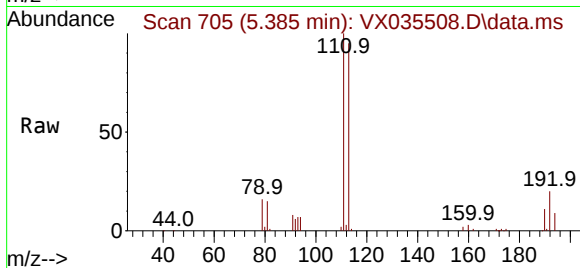
Tgt Ion:113 Resp: 106350

Ion Ratio Lower Upper

113 100

111 102.6 83.7 125.5

192 20.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

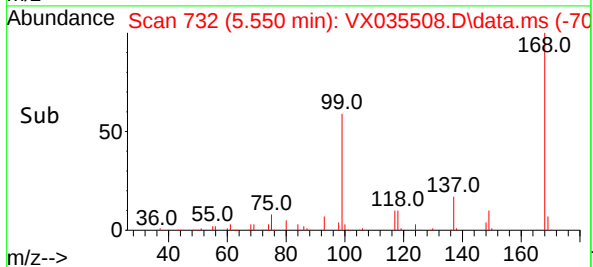
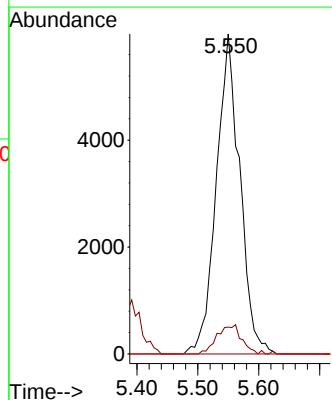
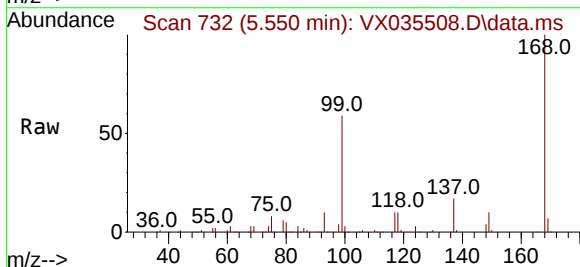
Tgt Ion: 75 Resp: 16057

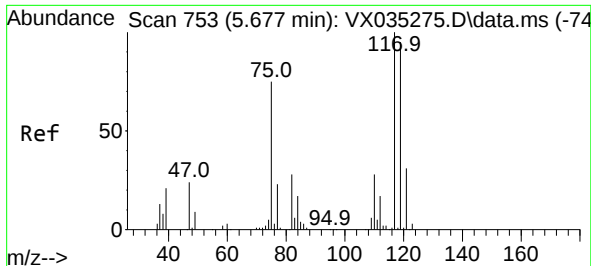
Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

77 0.0 24.3 36.5#

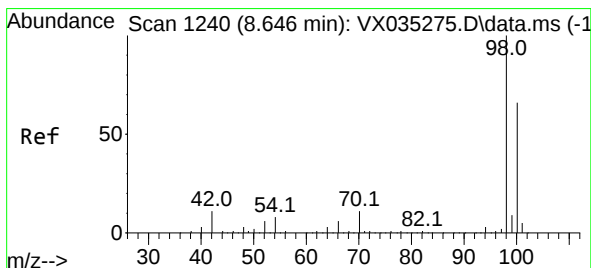
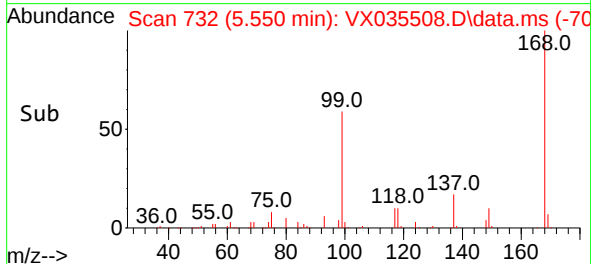
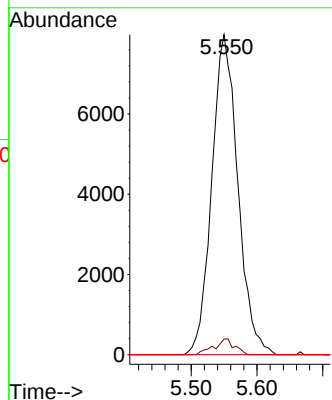
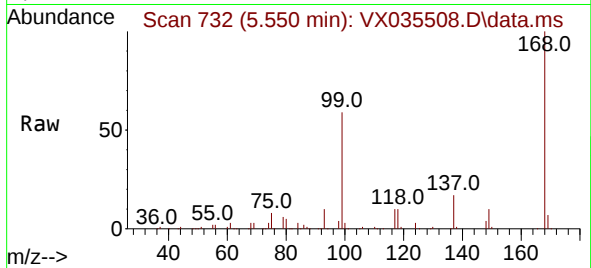




#38  
Carbon Tetrachloride  
Concen: 6.731 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.127 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

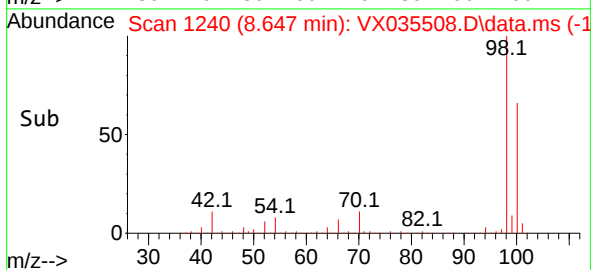
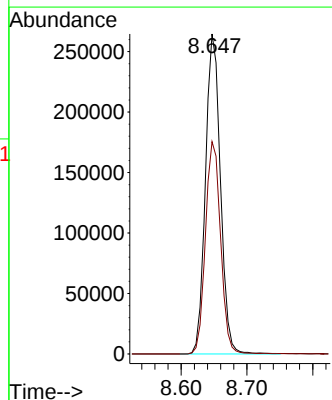
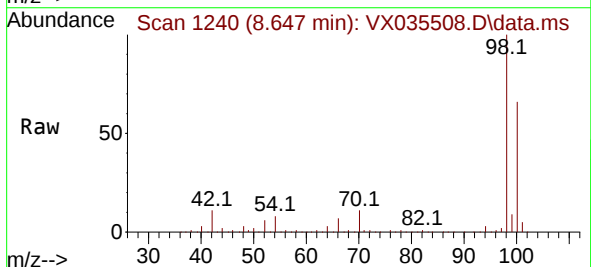
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

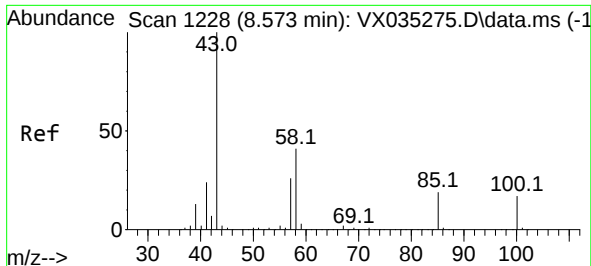
Tgt Ion:117 Resp: 21986  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.6 114.8#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 50.383 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

Tgt Ion: 98 Resp: 418814  
Ion Ratio Lower Upper  
98 100  
100 67.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.509 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

Instrument :

MSVOA\_X

ClientSampleId :

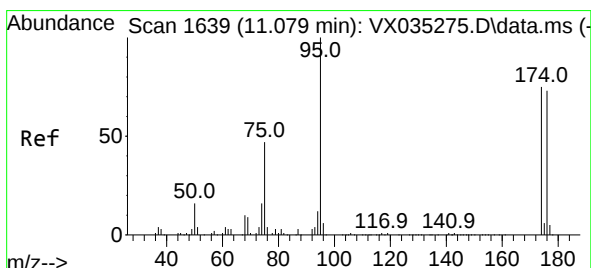
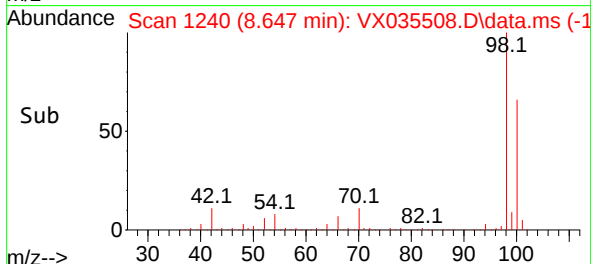
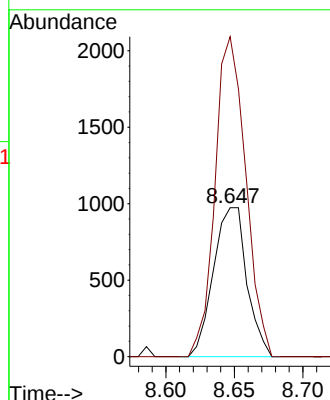
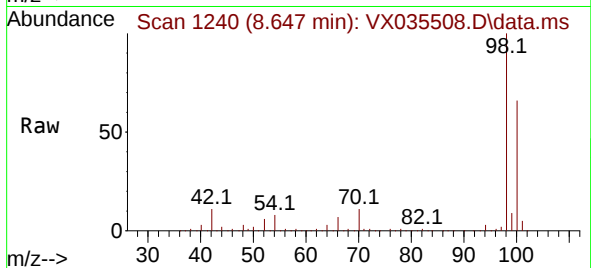
IBLK

Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

43 100

58 197.1 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 51.268 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

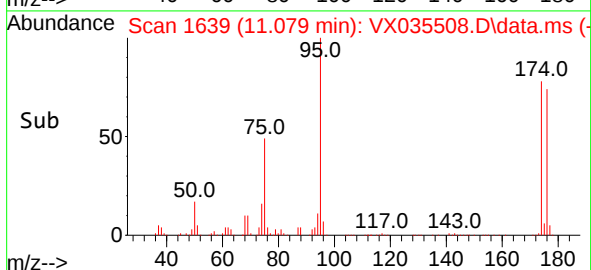
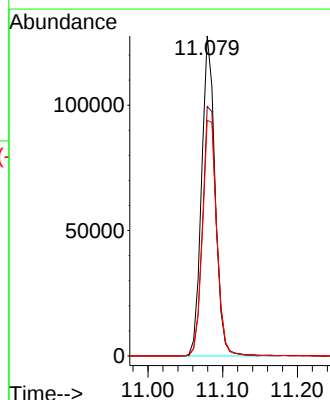
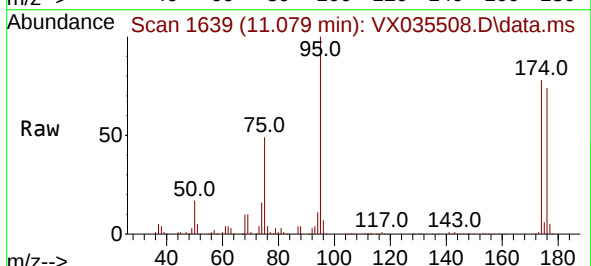
Tgt Ion: 95 Resp: 160316

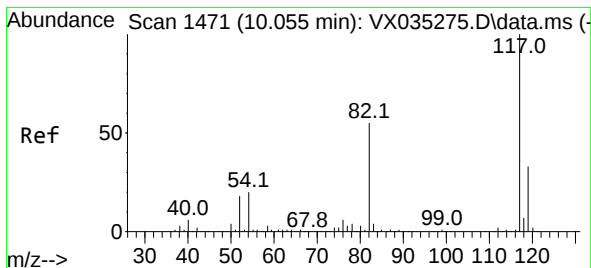
Ion Ratio Lower Upper

95 100

174 80.6 0.0 147.4

176 78.1 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

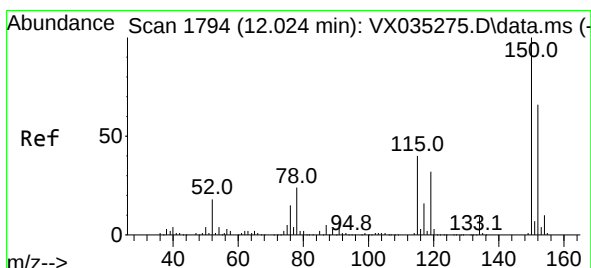
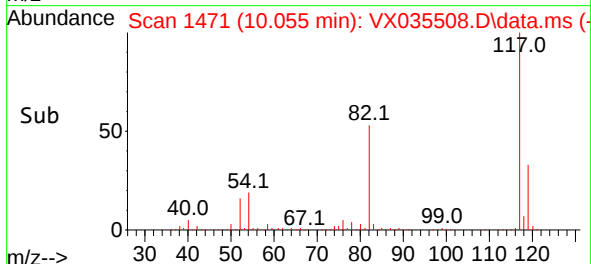
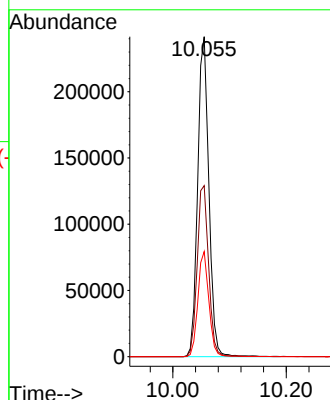
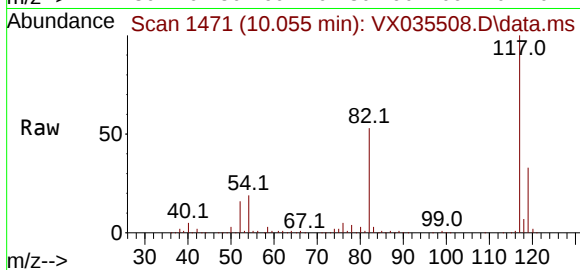
Tgt Ion:117 Resp: 330039

Ion Ratio Lower Upper

117 100

82 53.4 45.0 67.4

119 32.9 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035508.D

Acq: 03 May 2023 14:38

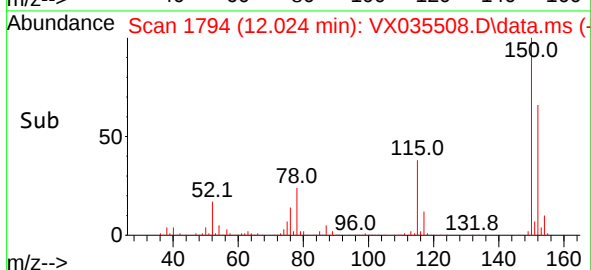
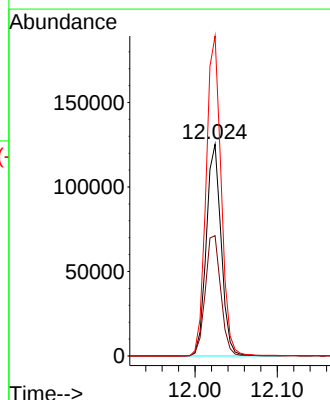
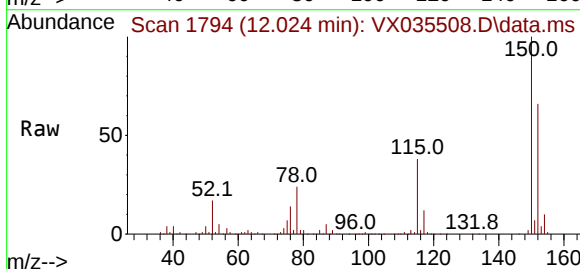
Tgt Ion:152 Resp: 157191

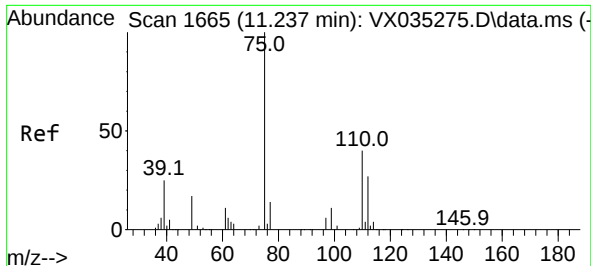
Ion Ratio Lower Upper

152 100

115 59.6 45.0 135.0

150 153.3 0.0 352.4

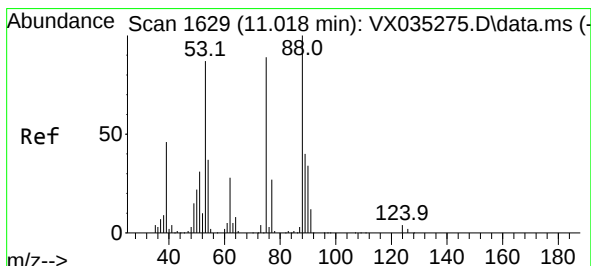
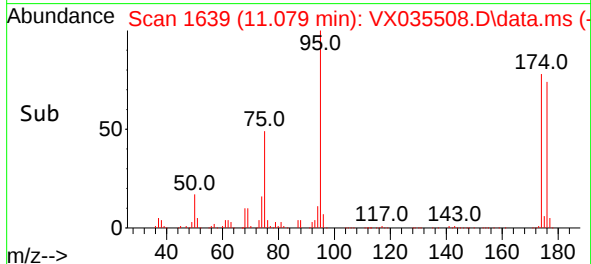
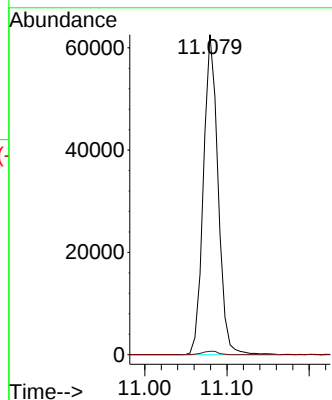
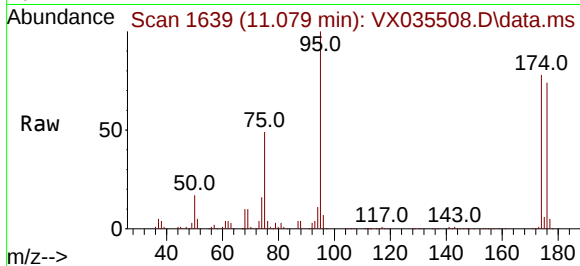




#76  
1,2,3-Trichloropropane  
Concen: 24.739 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Tgt Ion: 75 Resp: 77573  
Ion Ratio Lower Upper  
75 100  
77 1.2 21.6 64.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.126 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX035508.D  
Acq: 03 May 2023 14:38

Tgt Ion: 75 Resp: 77573  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#

