

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041525\  
 Data File : VY021892.D  
 Acq On : 15 Apr 2025 13:39  
 Operator : SY/MD  
 Sample : Q1808-03  
 Misc : 5.13g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LAW-25-0060

Quant Time: Apr 16 03:01:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

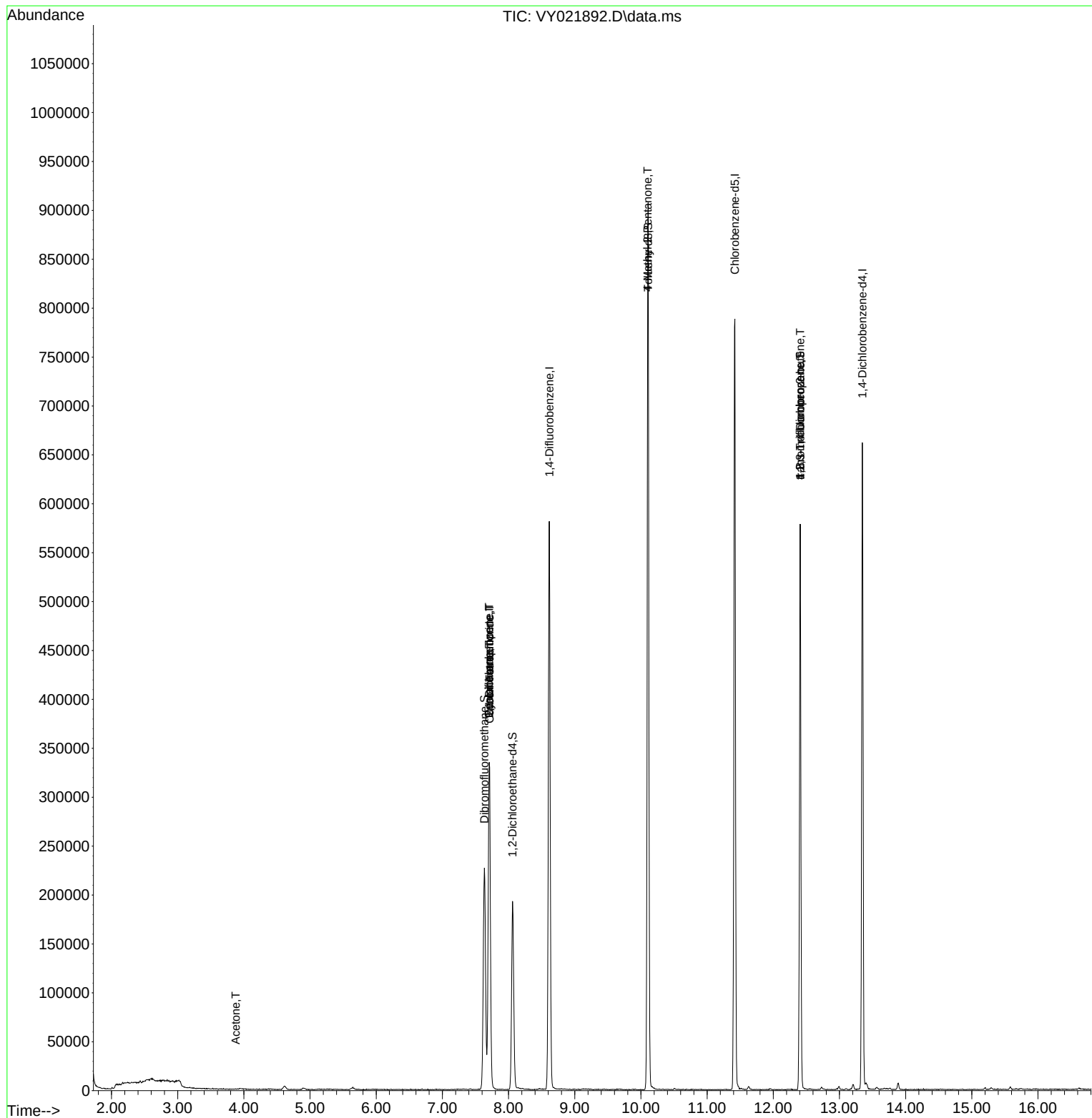
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 260204   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615     | 114   | 478725   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 414697   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 159126   | 50.000    | ug/l       | 0.00     |
|                               |           |       |          |           |            |          |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.060     | 65    | 149962   | 53.192    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 106.380% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 160292   | 51.617    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 103.240% |          |
| 50) Toluene-d8                | 10.109    | 98    | 573924   | 48.580    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 97.160%  |          |
| 62) 4-Bromofluorobenzene      | 12.407    | 95    | 168244   | 42.103    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 84.200%  |          |
|                               |           |       |          |           |            |          |
| Target Compounds              |           |       |          |           |            | Qvalue   |
| 16) Acetone                   | 3.878     | 43    | 579      | 1.003     | ug/l #     | 81       |
| 20) Methylene Chloride        | 4.616     | 84    | 2190     | Below Cal | #          | 88       |
| 31) Cyclohexane               | 7.707     | 56    | 5635     | 1.132     | ug/l #     | 7        |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 20825    | 4.403     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 26402    | 4.873     | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.103    | 43    | 2545     | 1.156     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.407    | 75    | 86830    | 55.048    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407    | 75    | 86830    | 126.840   | ug/l #     | 11       |
| -----                         |           |       |          |           |            |          |

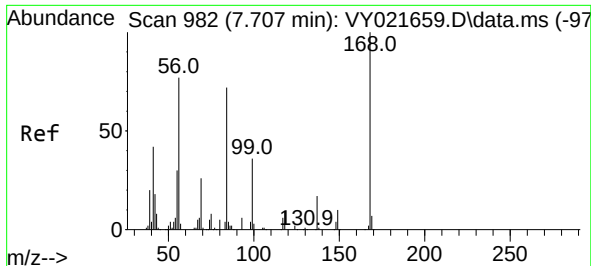
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

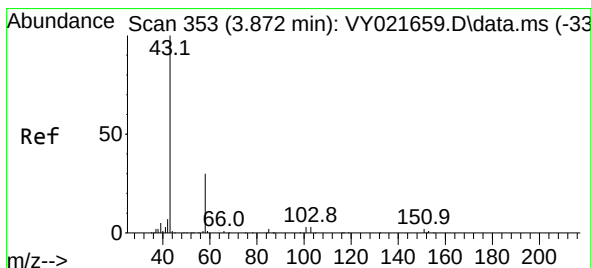
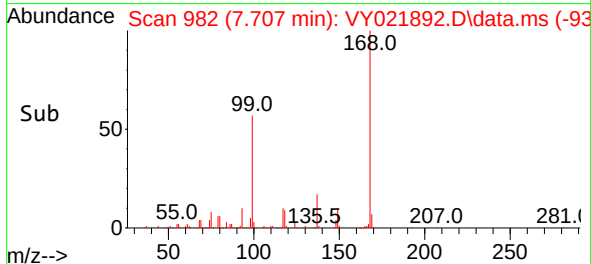
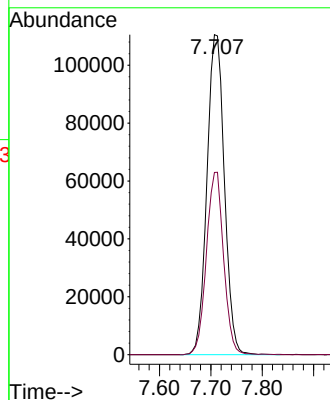
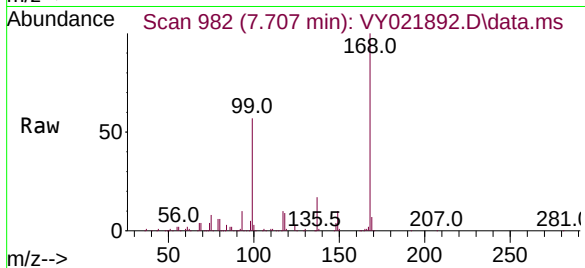




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

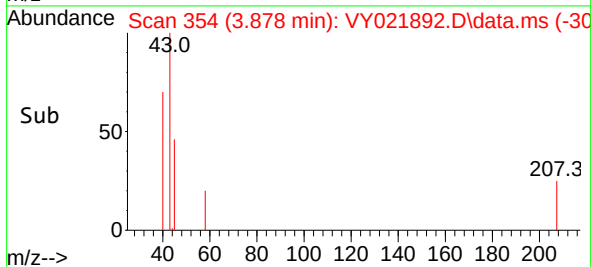
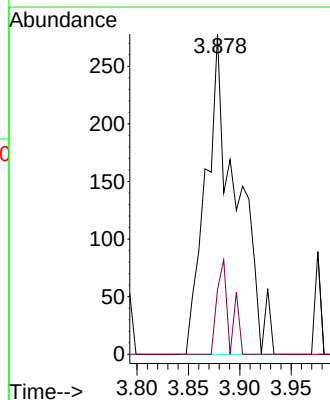
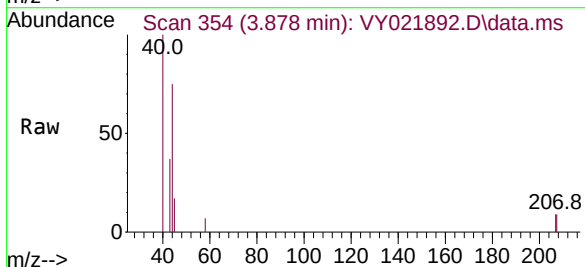
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0060

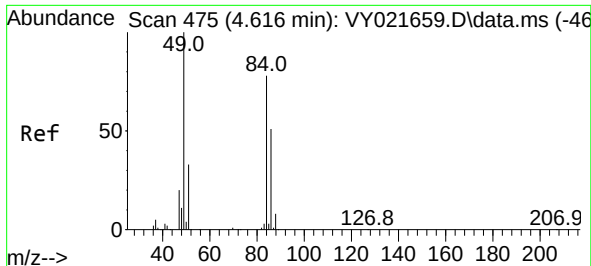
Tgt Ion:168 Resp: 260204  
Ion Ratio Lower Upper  
168 100  
99 56.9 46.7 70.1



#16  
Acetone  
Concen: 1.003 ug/l  
RT: 3.878 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

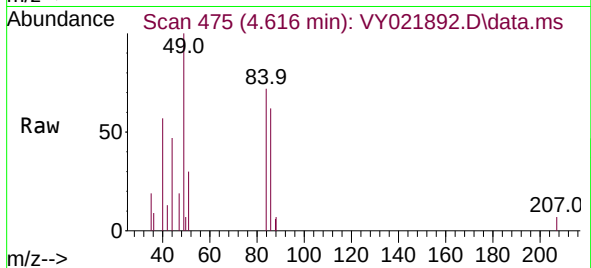
Tgt Ion: 43 Resp: 579  
Ion Ratio Lower Upper  
43 100  
58 20.1 24.2 36.4#



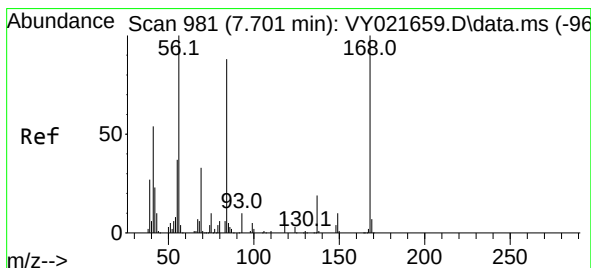
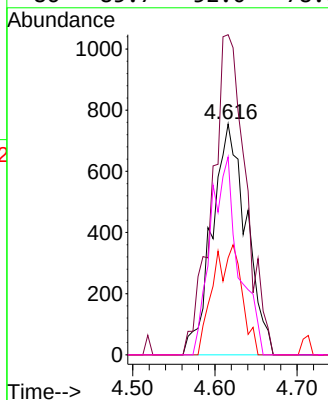
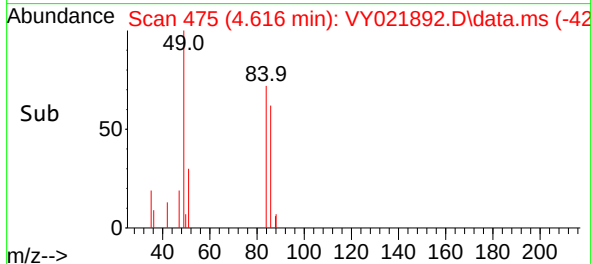


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.616 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0060

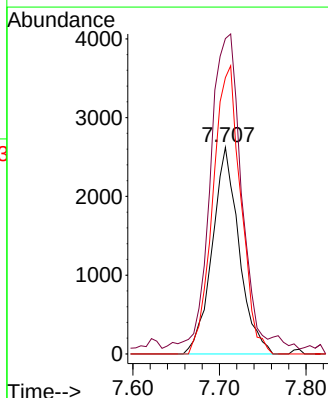
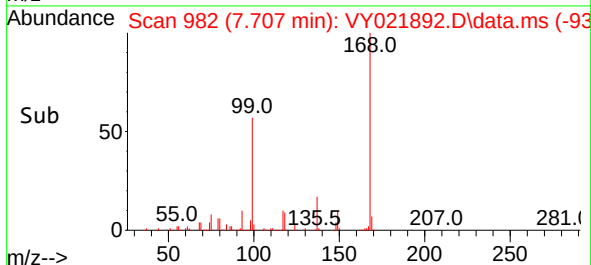
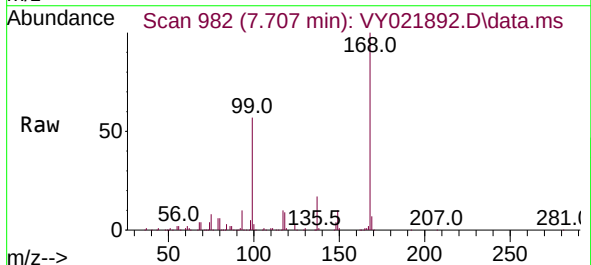


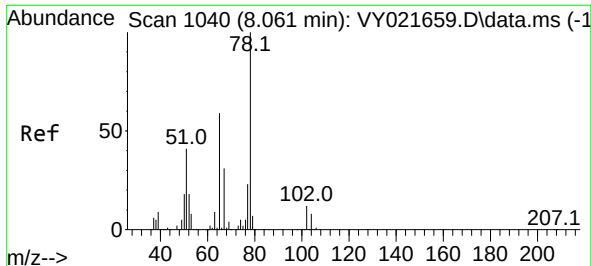
Tgt Ion: 84 Resp: 2190  
Ion Ratio Lower Upper  
84 100  
49 138.7 102.8 154.2  
51 42.0 33.5 50.3  
86 85.7 52.0 78.0#



#31  
Cyclohexane  
Concen: 1.132 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Tgt Ion: 56 Resp: 5635  
Ion Ratio Lower Upper  
56 100  
69 147.7 26.6 40.0#  
84 133.8 69.0 103.4#

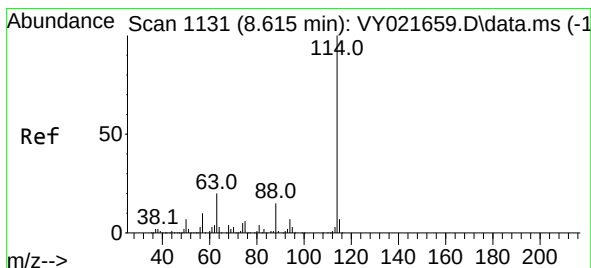
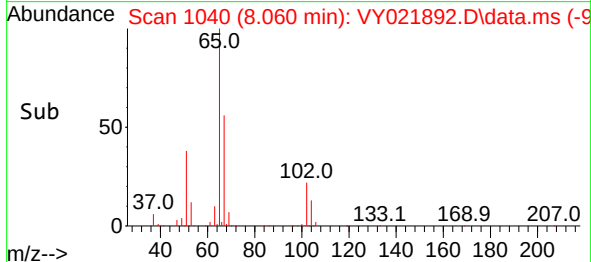
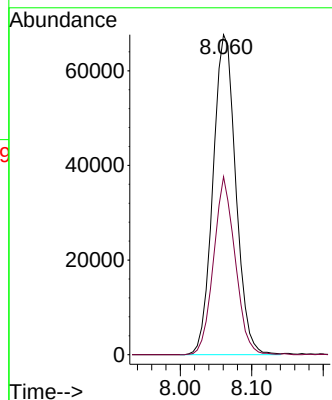
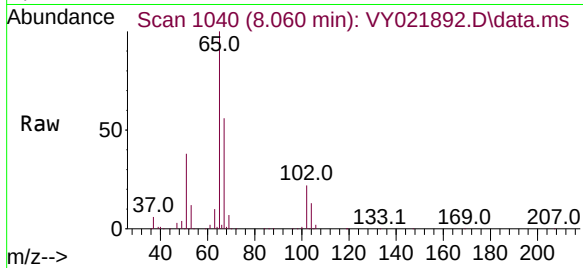




#33  
1,2-Dichloroethane-d4  
Concen: 53.192 ug/l  
RT: 8.060 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

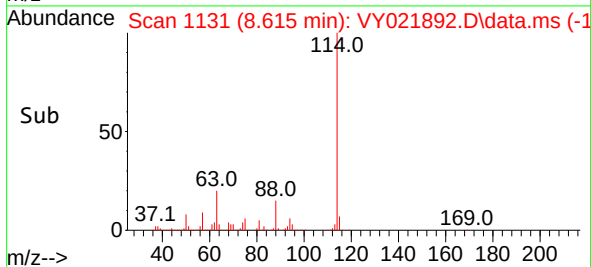
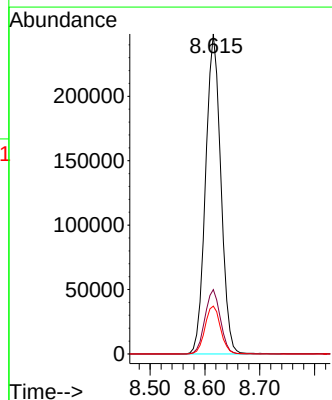
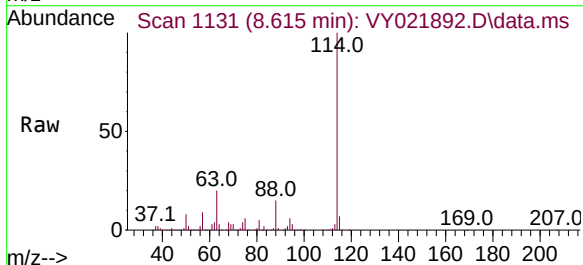
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0060

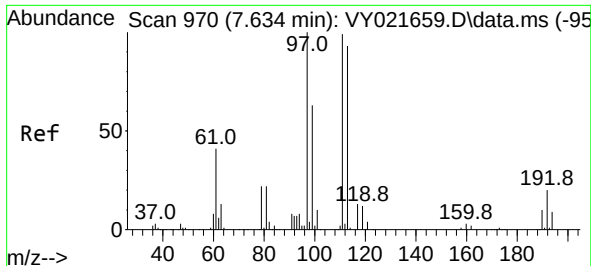
Tgt Ion: 65 Resp: 149962  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 104.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Tgt Ion: 114 Resp: 478725  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 40.2  
88 15.0 0.0 29.8

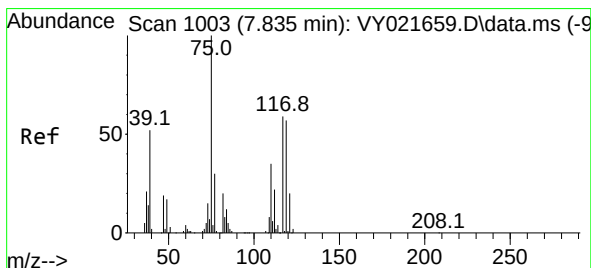
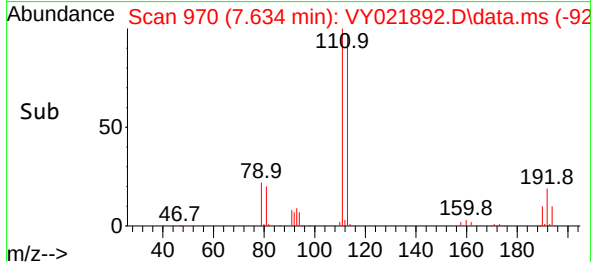
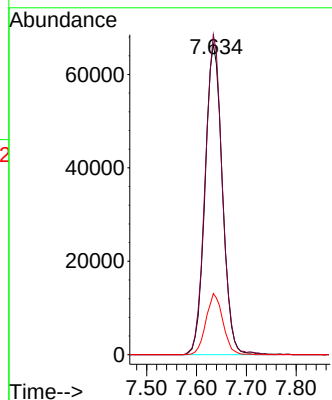
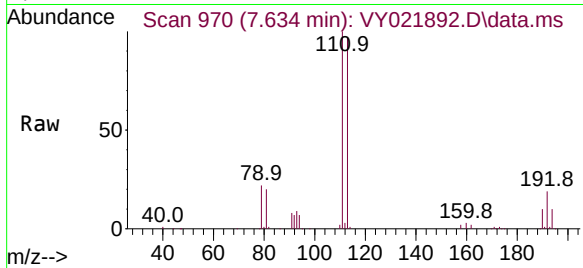




#35  
Dibromofluoromethane  
Concen: 51.617 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

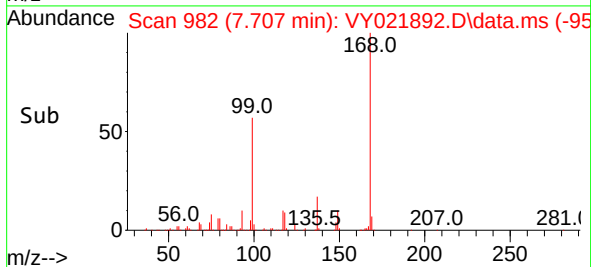
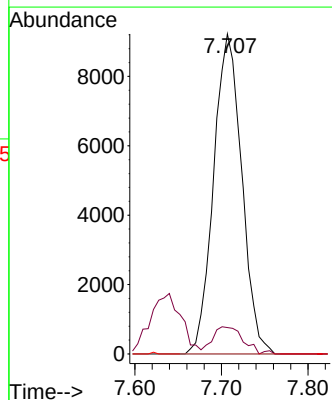
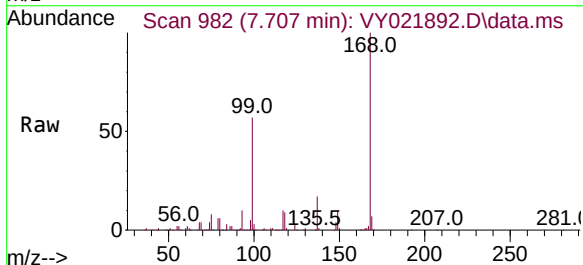
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0060

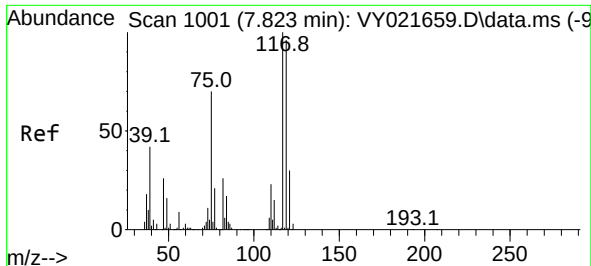
Tgt Ion:113 Resp: 160292  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.6 123.8  
192 19.3 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 4.403 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Tgt Ion: 75 Resp: 20825  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.0 50.9#  
77 0.0 24.8 37.2#

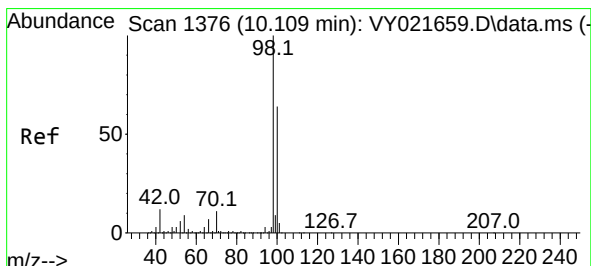
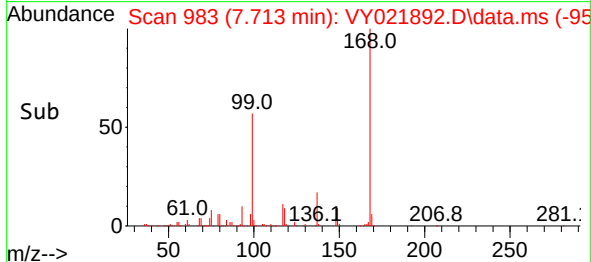
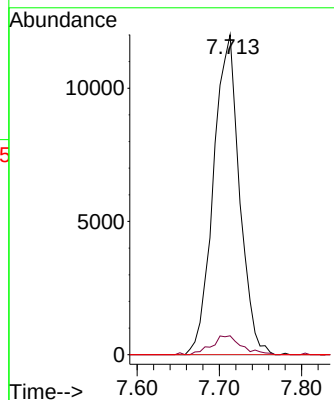
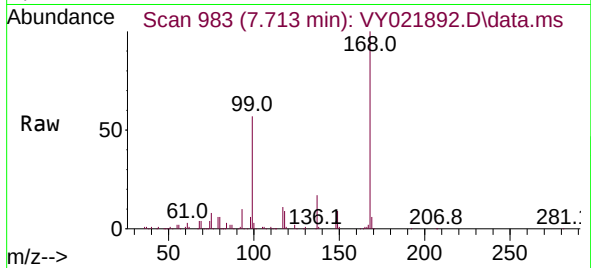




#38  
Carbon Tetrachloride  
Concen: 4.873 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

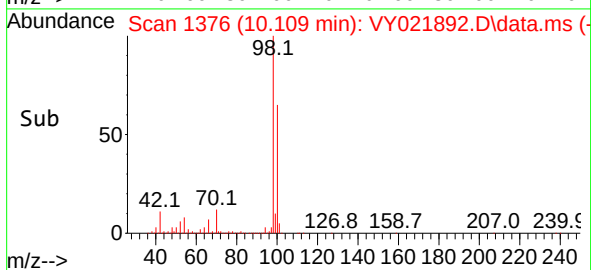
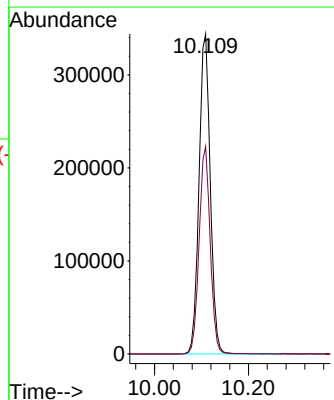
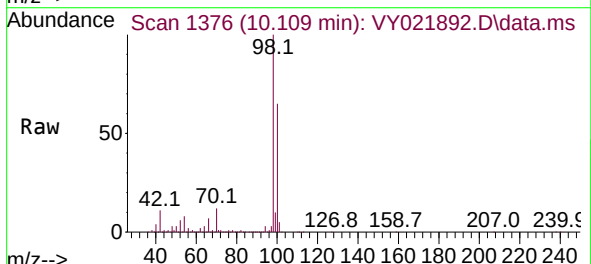
Instrument :  
MSVOA\_Y  
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LAW-25-0060

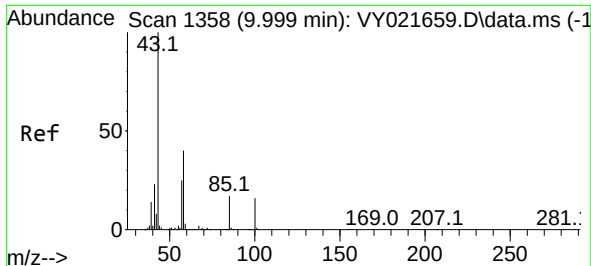
Tgt Ion:117 Resp: 26402  
Ion Ratio Lower Upper  
117 100  
119 5.9 76.2 114.4#  
121 0.0 24.2 36.4#



#50  
Toluene-d8  
Concen: 48.580 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Tgt Ion: 98 Resp: 573924  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.1 78.1

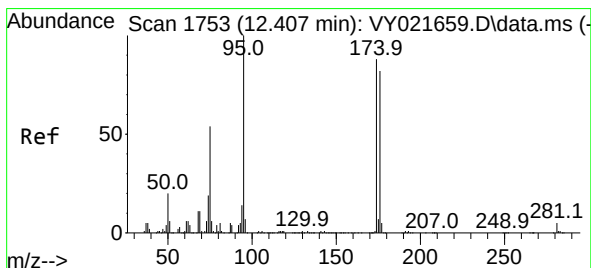
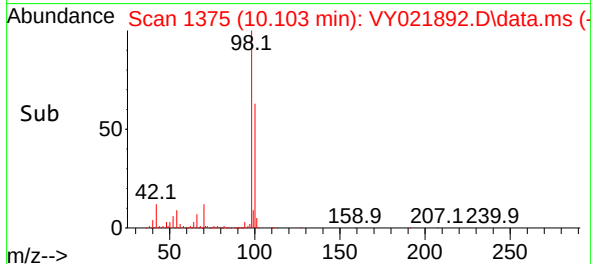
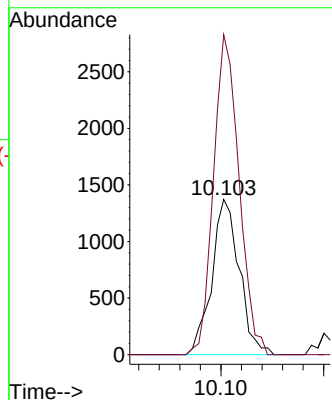
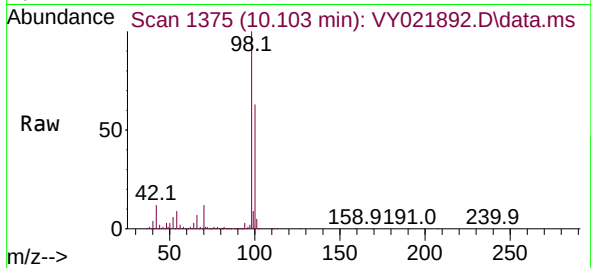




#51  
4-Methyl-2-Pentanone  
Concen: 1.156 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.103 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

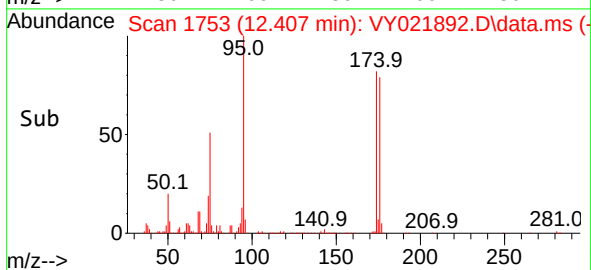
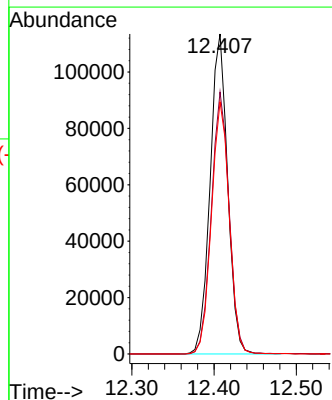
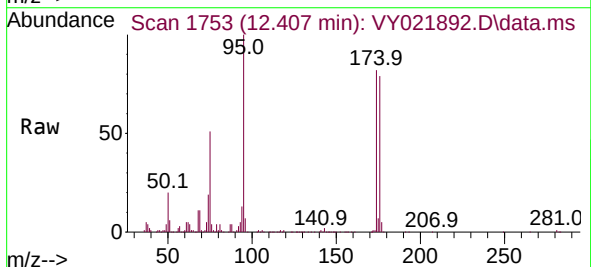
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0060

Tgt Ion: 43 Resp: 2545  
Ion Ratio Lower Upper  
43 100  
58 191.9 31.5 47.3#

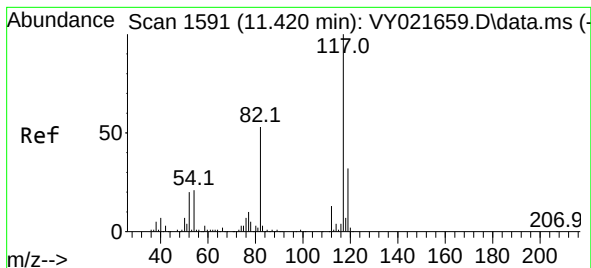


#62  
4-Bromofluorobenzene  
Concen: 42.103 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Tgt Ion: 95 Resp: 168244  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 170.8  
176 80.1 0.0 162.0







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021892.D

Acq: 15 Apr 2025 13:39

Instrument :

MSVOA\_Y

ClientSampleId :

LAW-25-0060

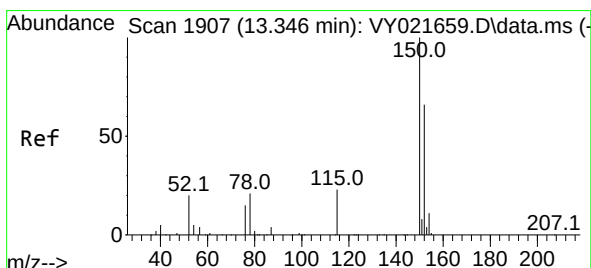
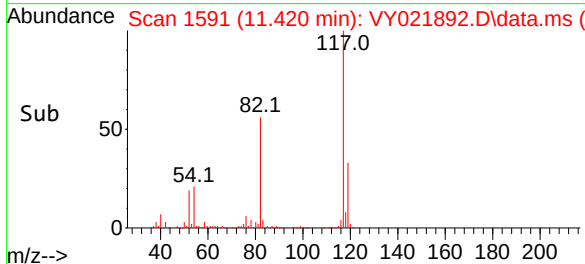
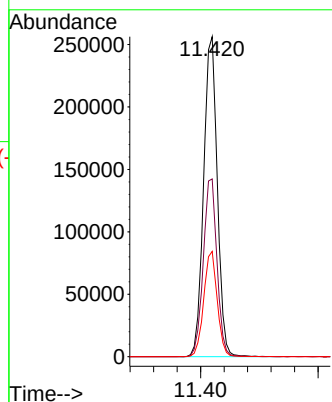
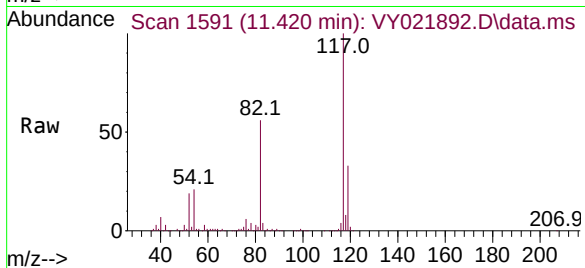
Tgt Ion:117 Resp: 414697

Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 32.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021892.D

Acq: 15 Apr 2025 13:39

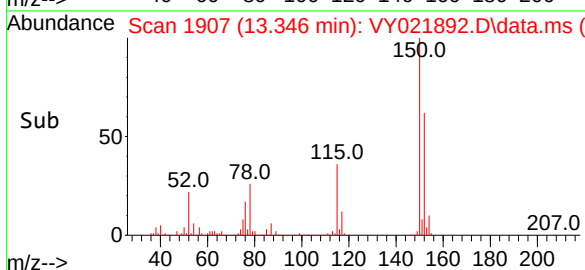
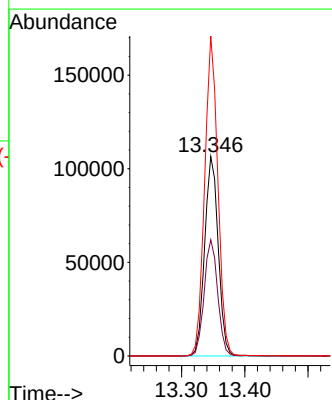
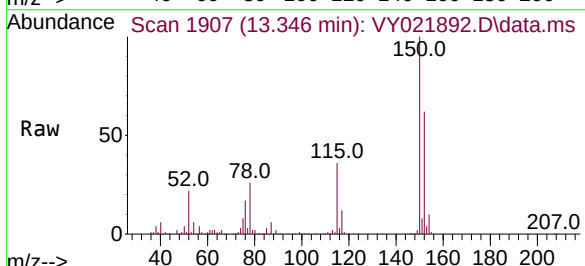
Tgt Ion:152 Resp: 159126

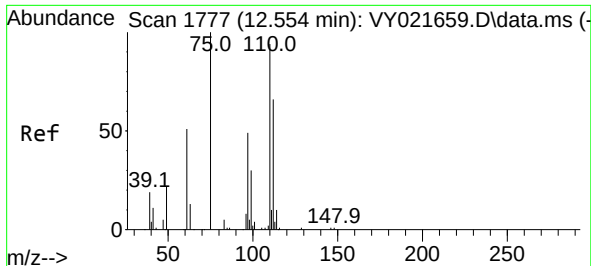
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 156.4 0.0 348.4

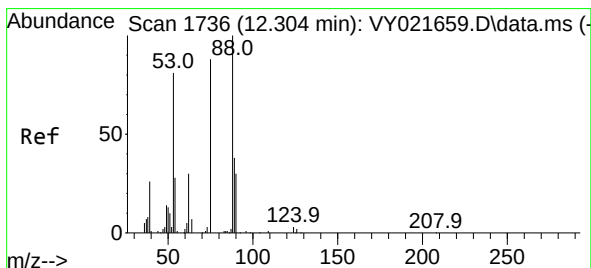
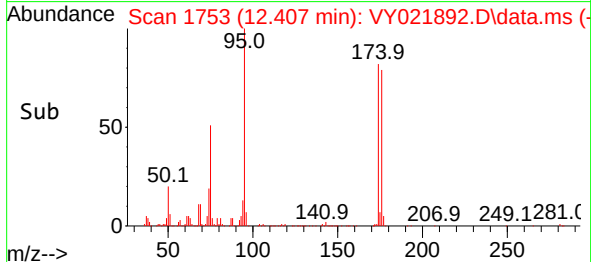
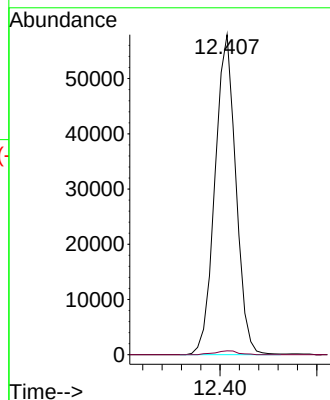
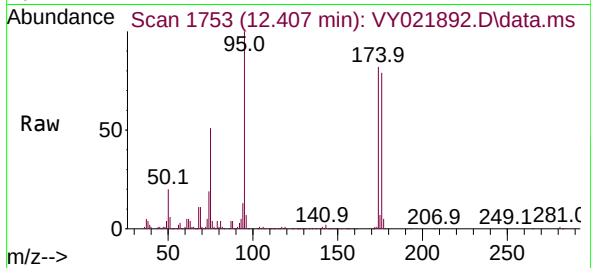




#76  
1,2,3-Trichloropropane  
Concen: 55.048 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.147 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0060

Tgt Ion: 75 Resp: 86830  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 126.840 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.103 min  
Lab File: VY021892.D  
Acq: 15 Apr 2025 13:39

Tgt Ion: 75 Resp: 86830  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.1 114.1#  
89 0.1 36.2 54.4#

