

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092723\  
 Data File : VY015728.D  
 Acq On : 27 Sep 2023 16:44  
 Operator : SY/MD  
 Sample : 04627-05  
 Misc : 4.88g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 28 00:47:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

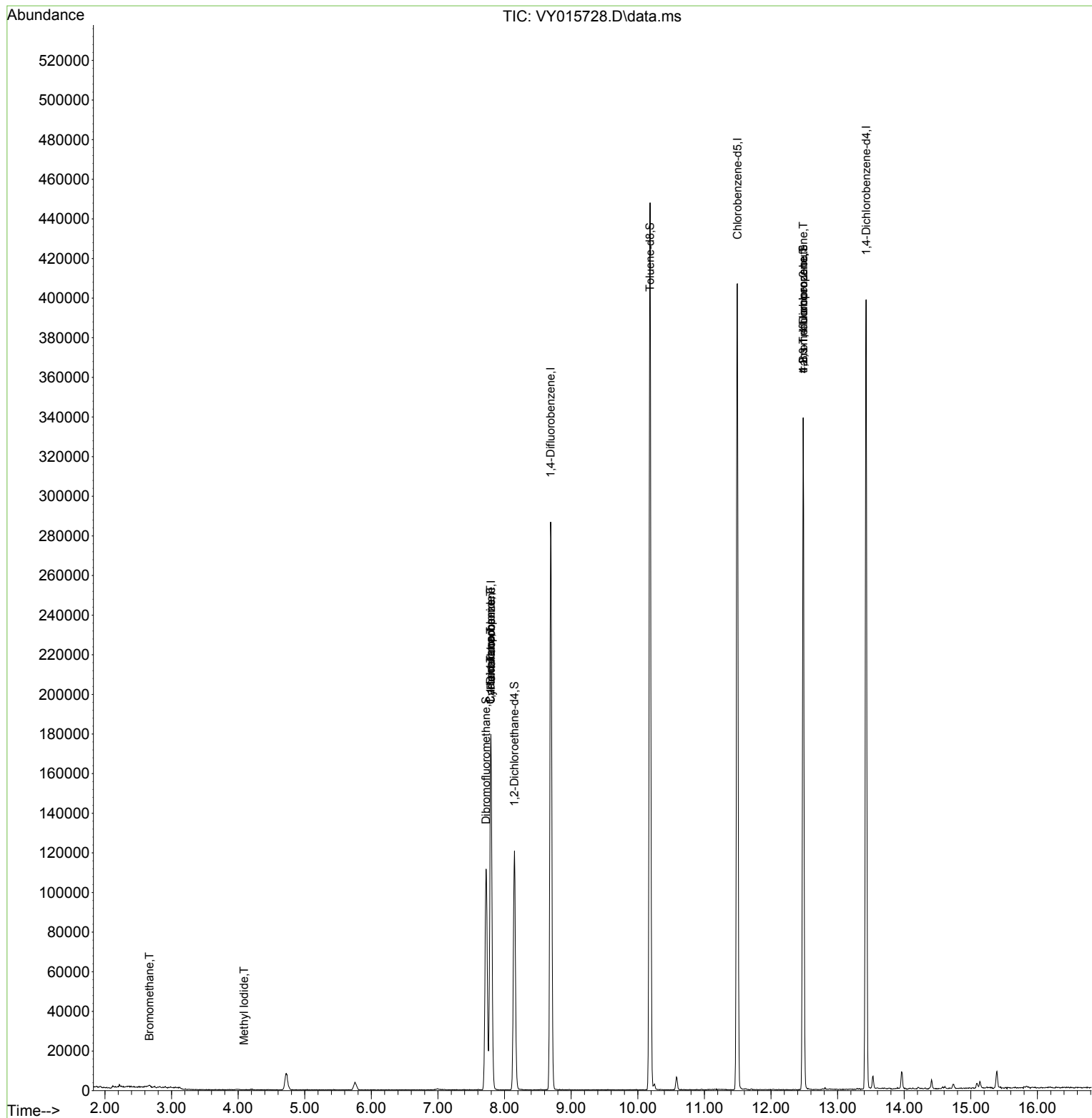
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 141178   | 50.000    | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 248461   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 228044   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 102139   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 93699    | 60.321    | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 120.640% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 80395    | 54.061    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 108.120% |          |
| 50) Toluene-d8                | 10.185 | 98    | 293229   | 58.154    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 116.300% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 96234    | 48.633    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 97.260%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.668  | 94    | 324      | 2.787     | ug/l #     | 73       |
| 10) Methyl Iodide             | 4.088  | 142   | 19       | 2.740     | ug/l #     | 38       |
| 20) Methylene Chloride        | 4.716  | 84    | 6281     | Below Cal |            | 92       |
| 31) Cyclohexane               | 7.789  | 56    | 3110     | 1.445     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 10562    | 4.803     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 14096    | 5.906     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 52241    | 32.060    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 52241    | 72.197    | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

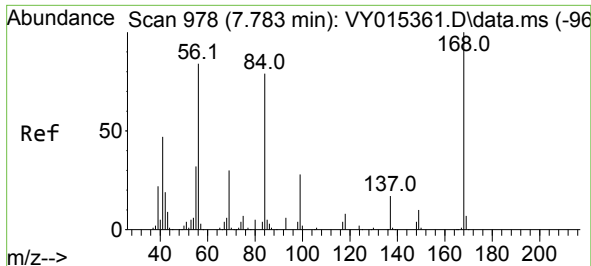
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 28 00:47:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 20 01:39:40 2023  
Response via : Initial Calibration

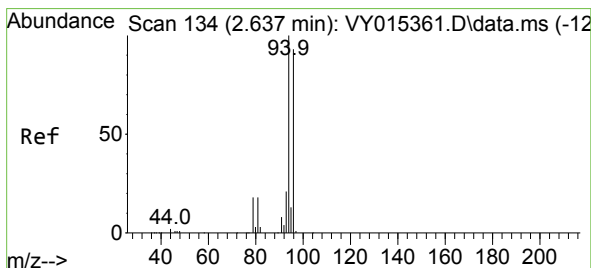
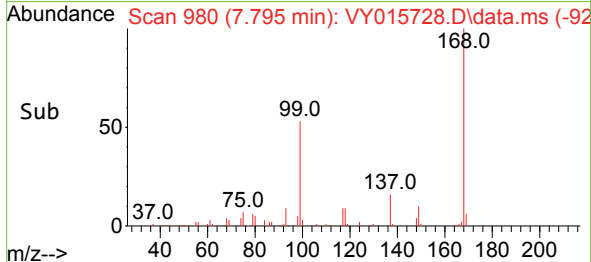
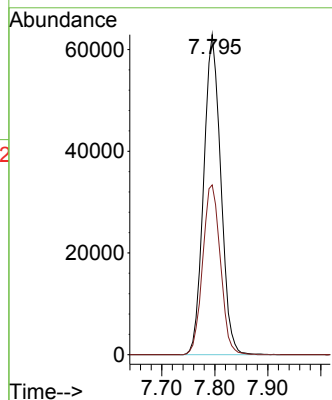
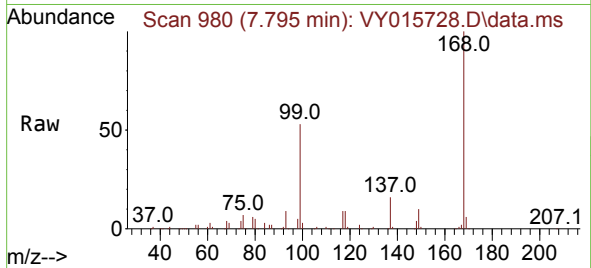




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

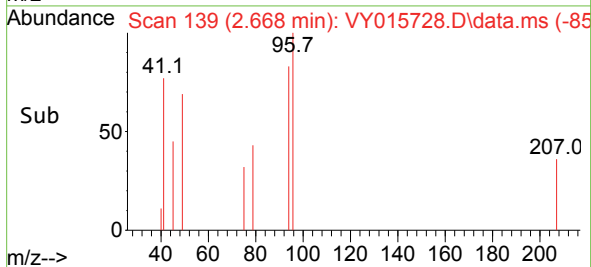
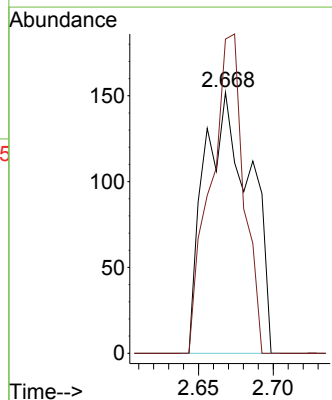
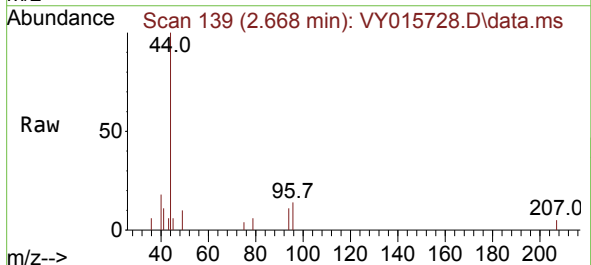
Instrument :  
MSVOA\_Y  
ClientSampleId :

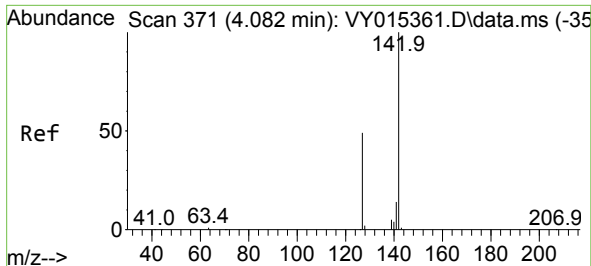
Tgt Ion:168 Resp: 141178  
Ion Ratio Lower Upper  
168 100  
99 53.1 43.4 65.0



#5  
Bromomethane  
Concen: 2.787 ug/l  
RT: 2.668 min Scan# 139  
Delta R.T. 0.031 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

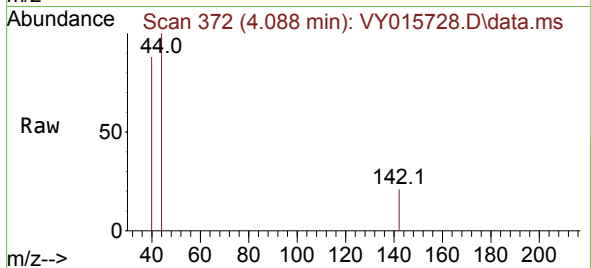
Tgt Ion: 94 Resp: 324  
Ion Ratio Lower Upper  
94 100  
96 120.4 75.8 113.6#



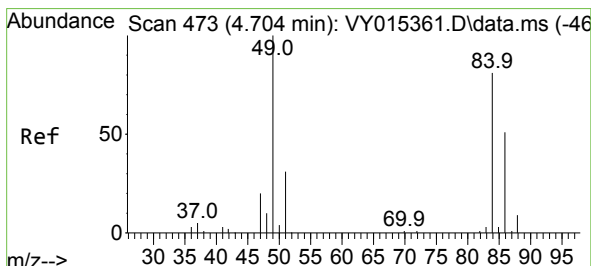
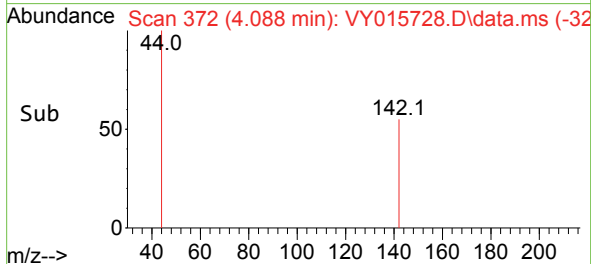
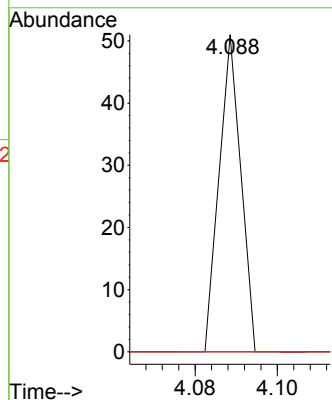


#10  
Methyl Iodide  
Concen: 2.740 ug/l  
RT: 4.088 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

Instrument :  
MSVOA\_Y  
ClientSampleId :

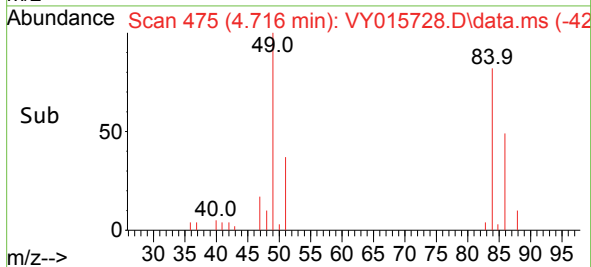
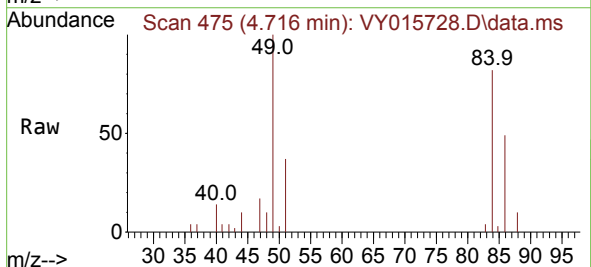
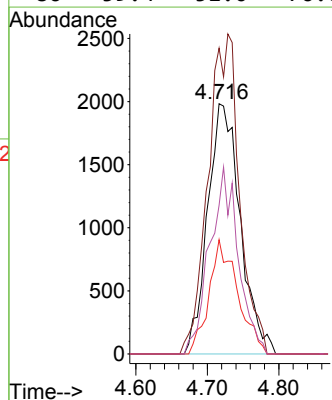


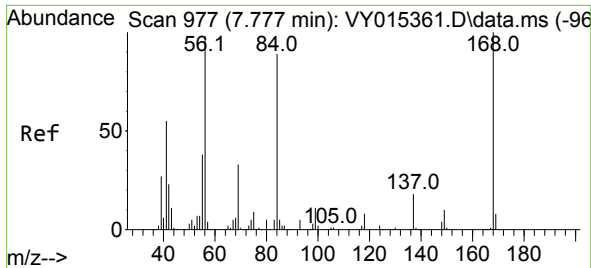
Tgt Ion:142 Resp: 19  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.012 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

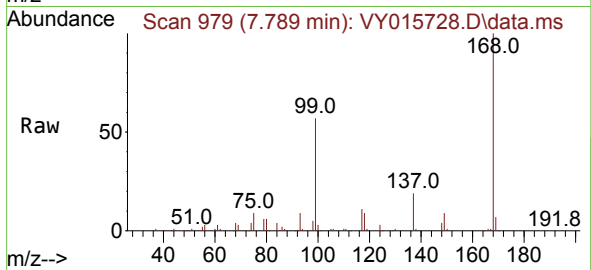
Tgt Ion: 84 Resp: 6281  
Ion Ratio Lower Upper  
84 100  
49 122.2 106.9 160.3  
51 45.7 33.2 49.8  
86 59.4 51.0 76.6



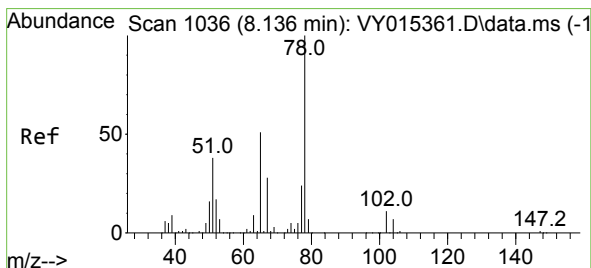
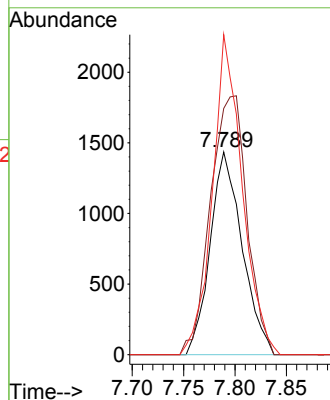
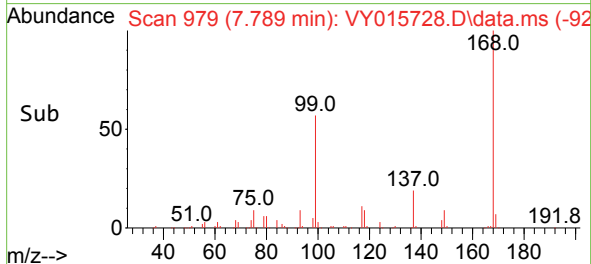


#31  
Cyclohexane  
Concen: 1.445 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

Instrument :  
MSVOA\_Y  
ClientSampleId :

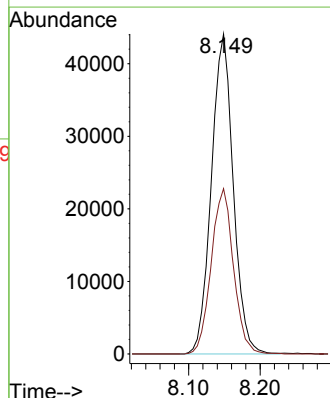
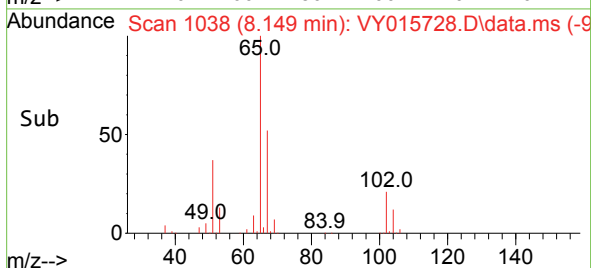
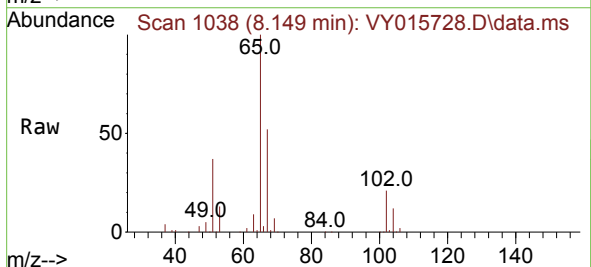


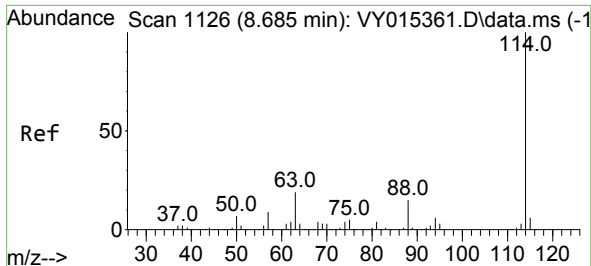
Tgt Ion: 56 Resp: 3110  
Ion Ratio Lower Upper  
56 100  
69 121.5 27.8 41.6#  
84 157.9 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 60.321 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.013 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

Tgt Ion: 65 Resp: 93699  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.8

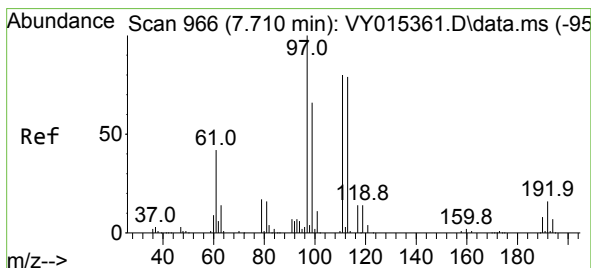
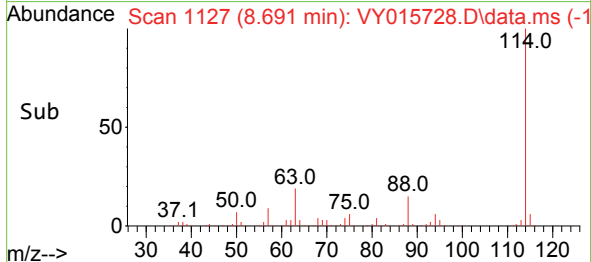
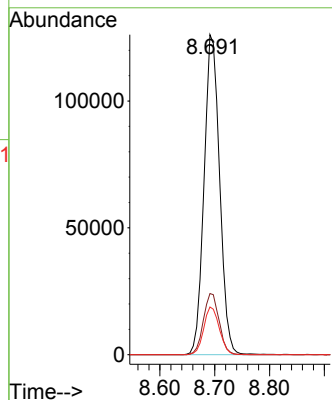
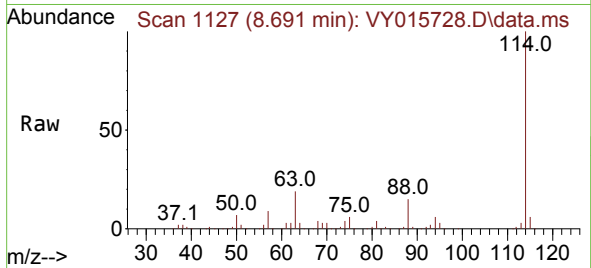




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

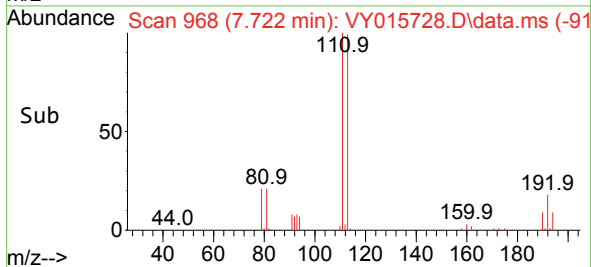
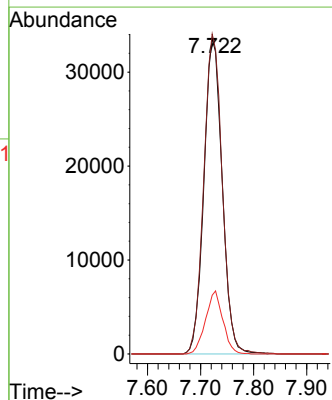
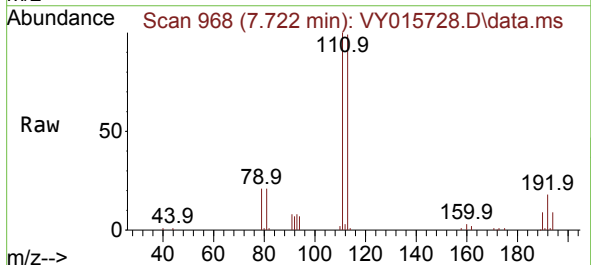
Instrument :  
MSVOA\_Y  
ClientSampleId :

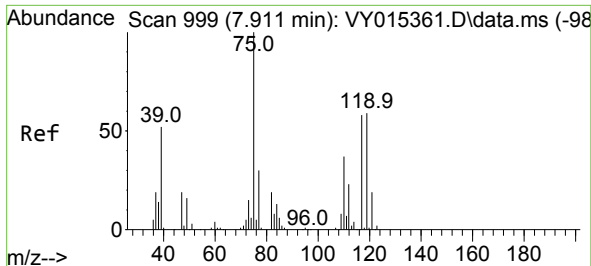
Tgt Ion:114 Resp: 248461  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 42.4  
88 14.9 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.061 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

Tgt Ion:113 Resp: 80395  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.3 121.9  
192 19.0 16.9 25.3

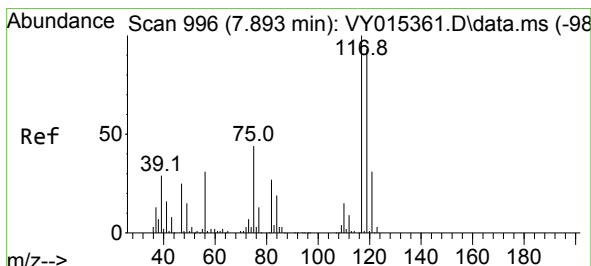
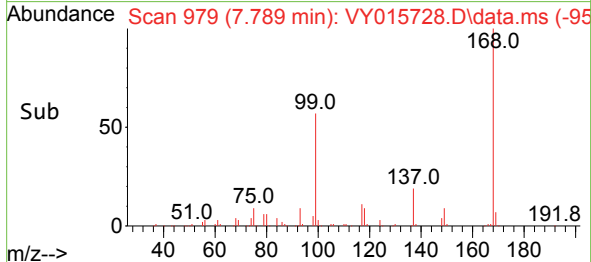
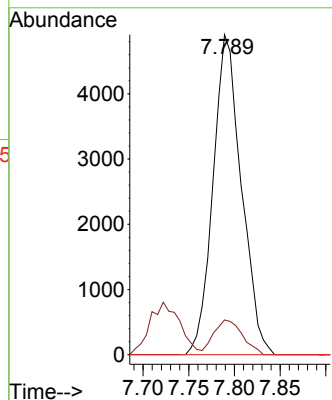
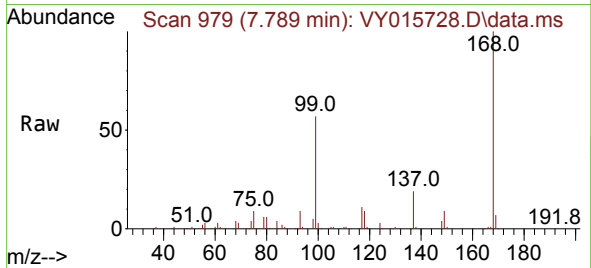




#36  
1,1-Dichloropropene  
Concen: 4.803 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

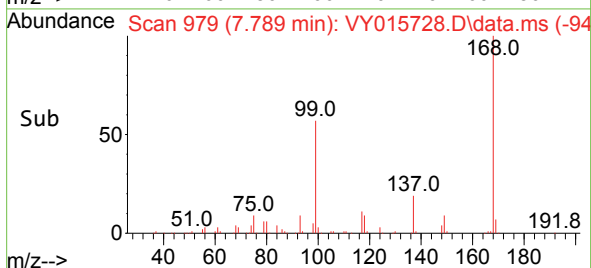
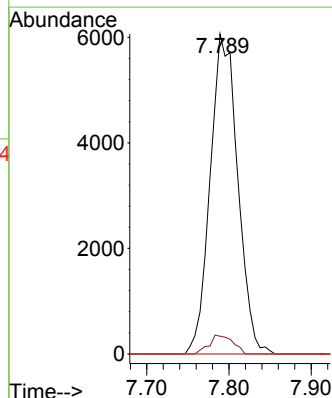
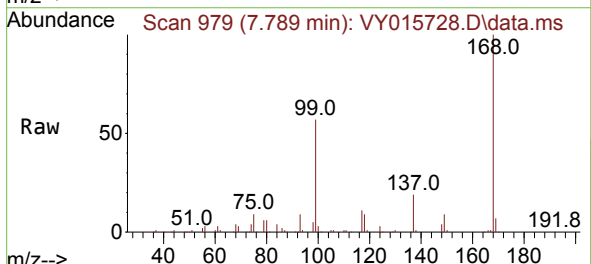
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ClientSampleId :

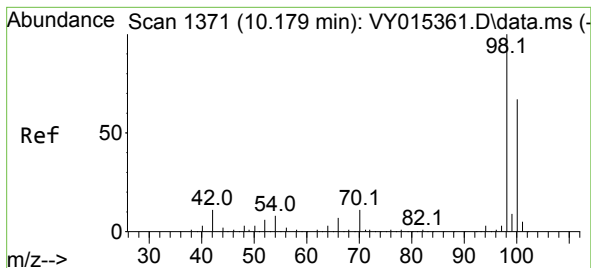
Tgt Ion: 75 Resp: 10562  
Ion Ratio Lower Upper  
75 100  
110 10.9 17.8 53.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.906 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.104 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

Tgt Ion: 117 Resp: 14096  
Ion Ratio Lower Upper  
117 100  
119 5.5 76.4 114.6#  
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 58.154 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015728.D

Acq: 27 Sep 2023 16:44

Instrument :

MSVOA\_Y

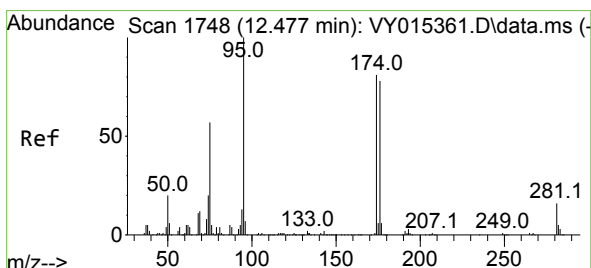
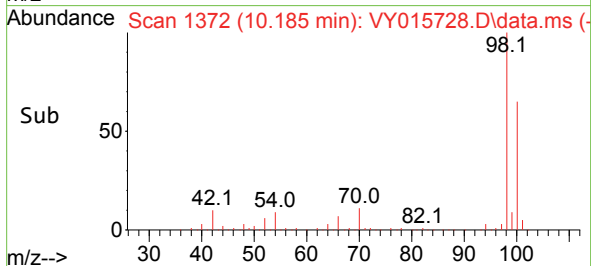
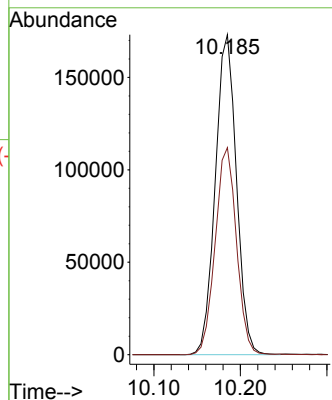
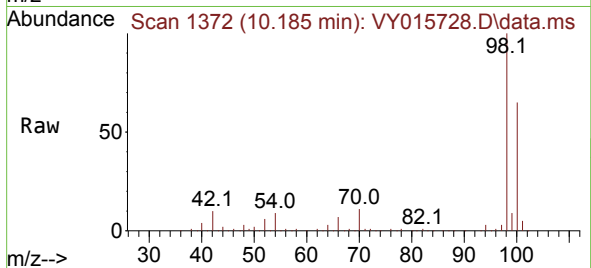
ClientSampleId :

Tgt Ion: 98 Resp: 293229

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.633 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015728.D

Acq: 27 Sep 2023 16:44

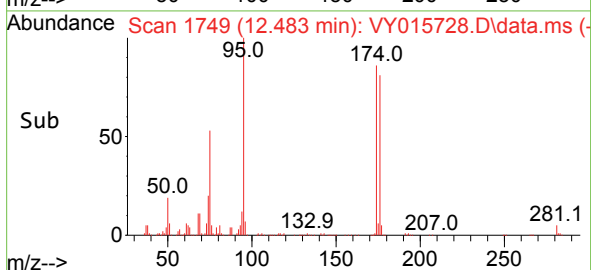
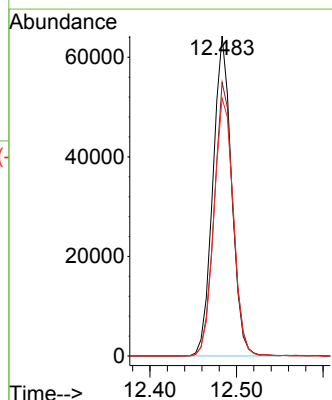
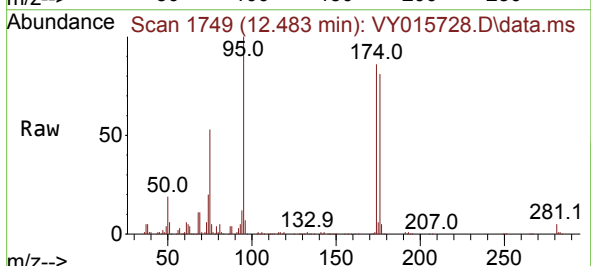
Tgt Ion: 95 Resp: 96234

Ion Ratio Lower Upper

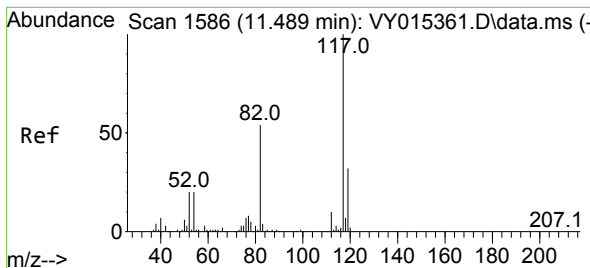
95 100

174 86.1 0.0 178.2

176 83.7 0.0 173.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY015728.D

Acq: 27 Sep 2023 16:44

Instrument :

MSVOA\_Y

ClientSampleId :

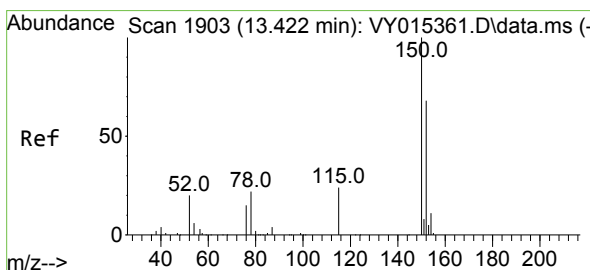
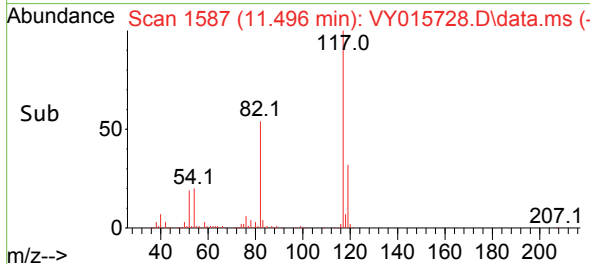
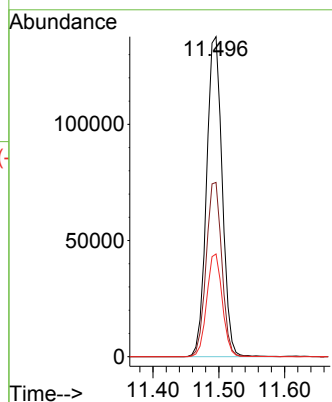
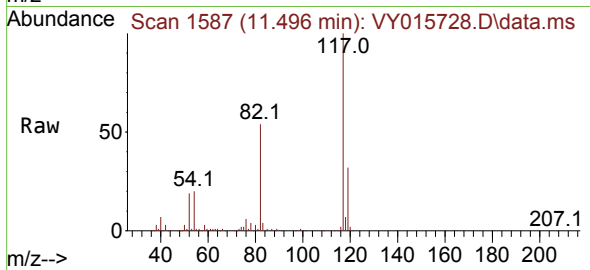
Tgt Ion:117 Resp: 228044

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015728.D

Acq: 27 Sep 2023 16:44

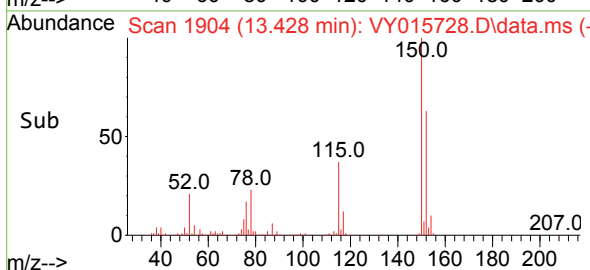
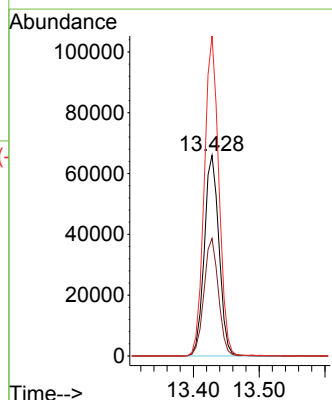
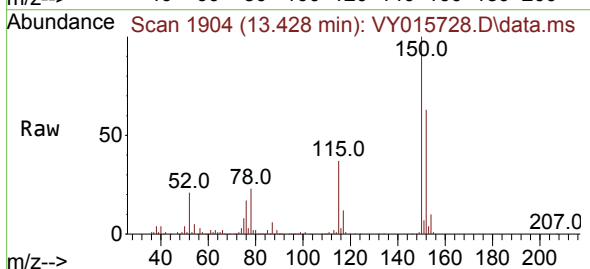
Tgt Ion:152 Resp: 102139

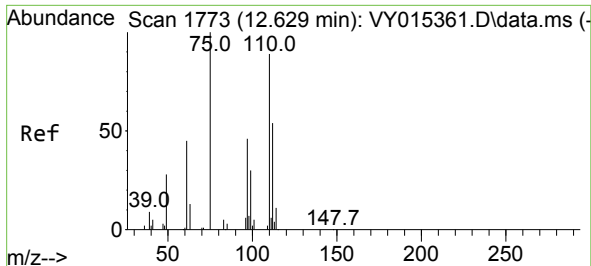
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 158.0 0.0 348.8

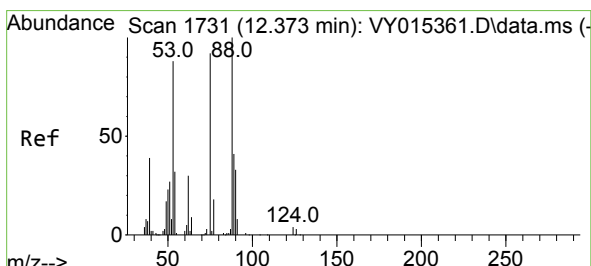
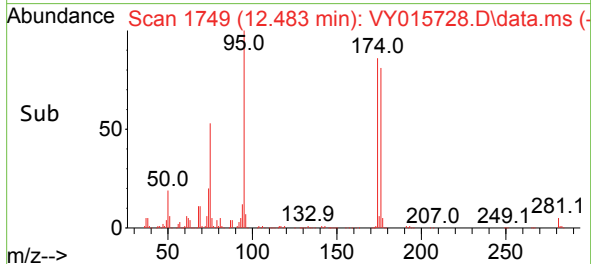
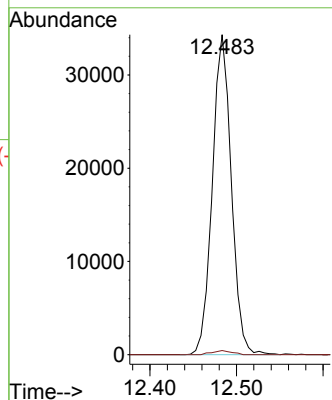
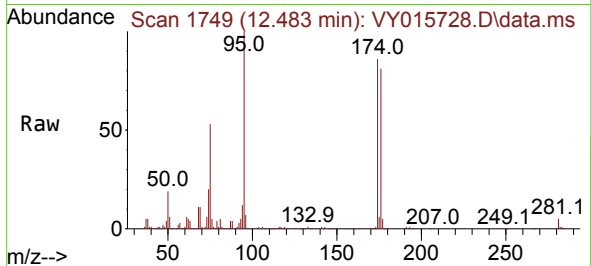




#76  
1,2,3-Trichloropropane  
Concen: 32.060 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 52241  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.197 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY015728.D  
Acq: 27 Sep 2023 16:44

Tgt Ion: 75 Resp: 52241  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.1 37.4 56.0#

