

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021523\  
 Data File : VY012608.D  
 Acq On : 15 Feb 2023 12:33  
 Operator : KP/MD  
 Sample : 01552-08RE  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 16 00:53:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

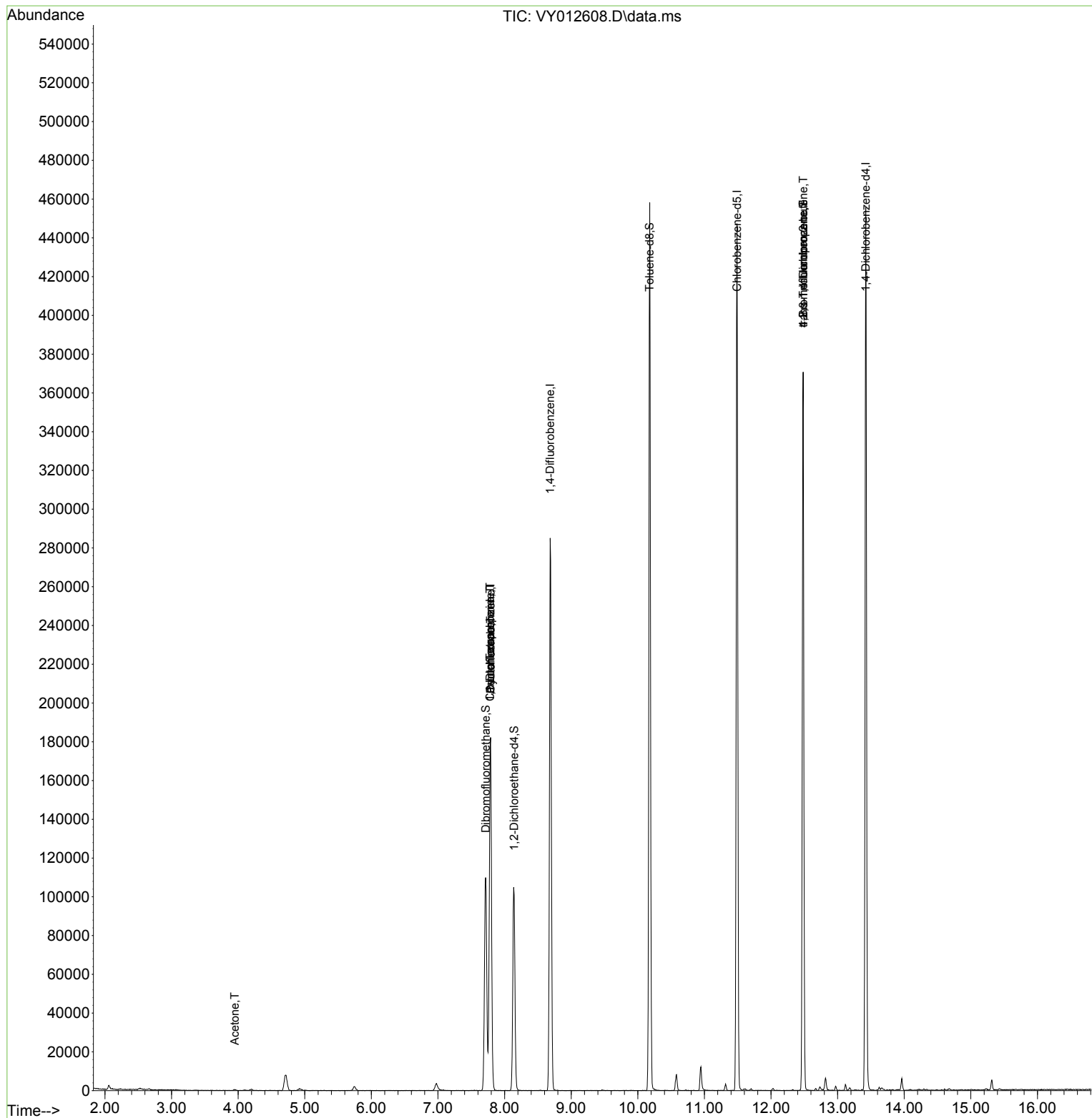
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 150474   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 254819   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 257585   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 122418   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 89476    | 46.761    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 93.520%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 76289    | 41.110    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 82.220%  |
| 50) Toluene-d8                | 10.179 | 98    | 304195   | 39.382    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 78.760%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 102787   | 38.151    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 76.300%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.656  | 94    | 168      | Below Cal |        | 99       |
| 11) Tert butyl alcohol        | 4.918  | 59    | 540      | Below Cal | #      | 75       |
| 16) Acetone                   | 3.948  | 43    | 803      | 1.744     | ug/l # | 71       |
| 20) Methylene Chloride        | 4.704  | 84    | 7188     | Below Cal |        | 97       |
| 31) Cyclohexane               | 7.789  | 56    | 2631     | 1.189     | ug/l # | 34       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 10016    | 3.988     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 14124    | 4.189     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 55378    | 40.490    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 55378    | 91.307    | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

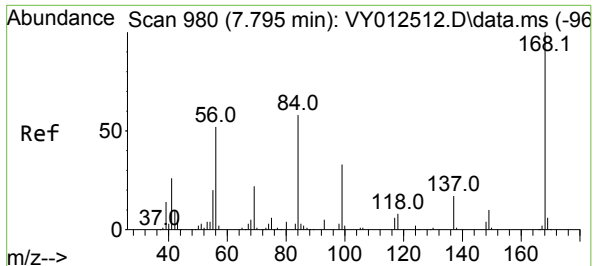
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

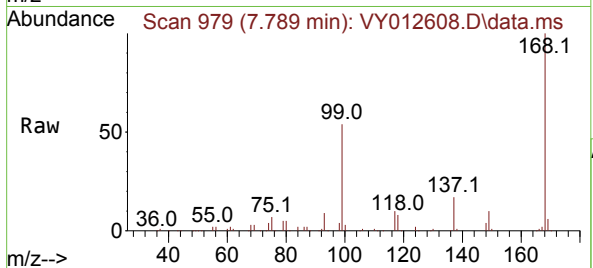
Quant Time: Feb 16 00:53:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 08 01:09:03 2023  
Response via : Initial Calibration



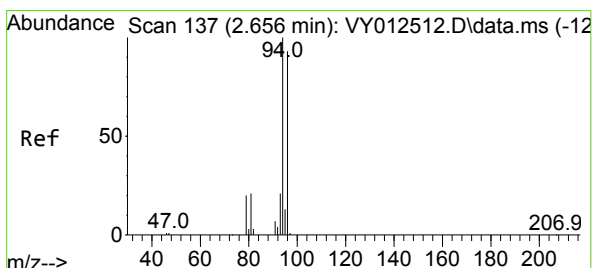
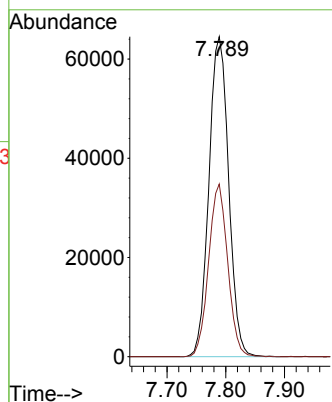
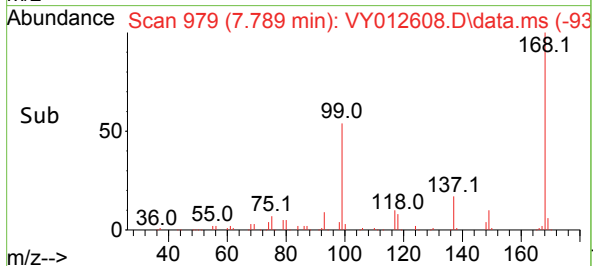


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

Instrument :  
MSVOA\_Y  
ClientSampleId :

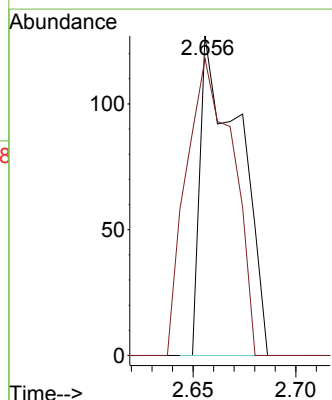
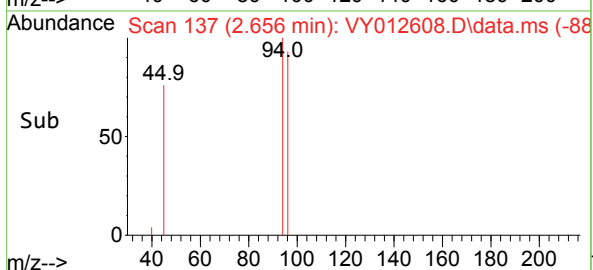
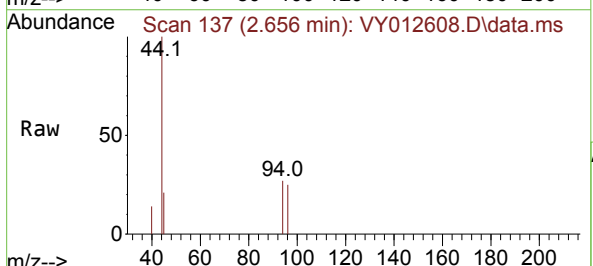


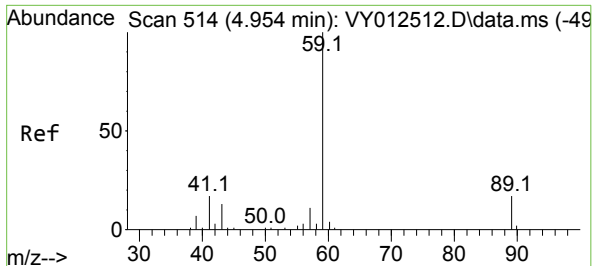
Tgt Ion:168 Resp: 150474  
Ion Ratio Lower Upper  
168 100  
99 54.0 40.8 61.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.656 min Scan# 137  
Delta R.T. -0.000 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

Tgt Ion: 94 Resp: 168  
Ion Ratio Lower Upper  
94 100  
96 92.9 74.7 112.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.918 min Scan# 50

Delta R.T. -0.036 min

Lab File: VY012608.D

Acq: 15 Feb 2023 12:33

Instrument :

MSVOA\_Y

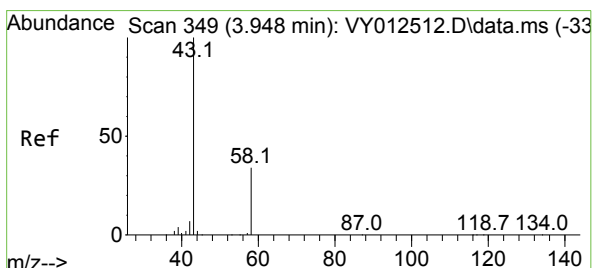
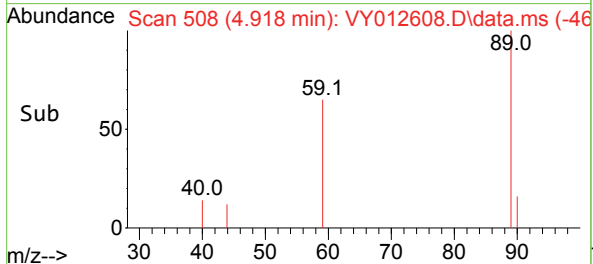
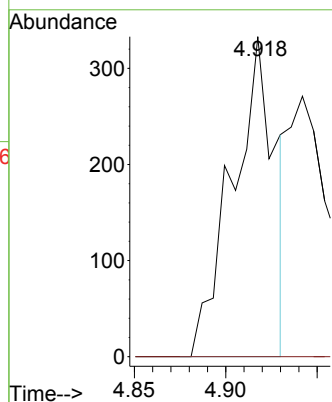
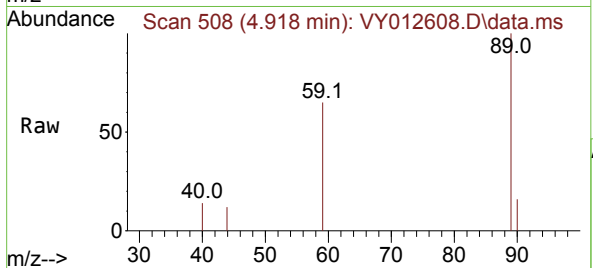
ClientSampleId :

Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 1.744 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012608.D

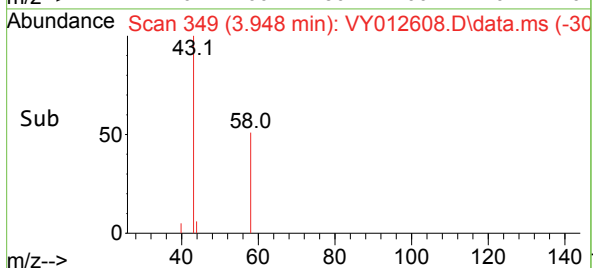
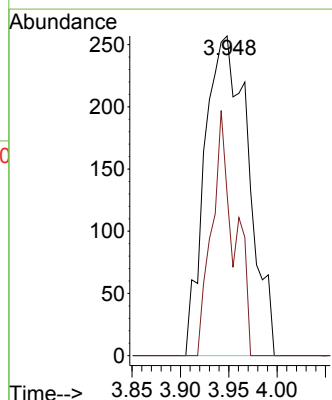
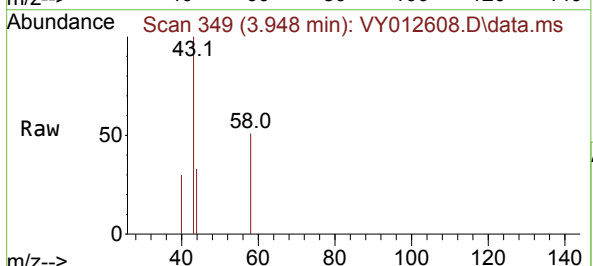
Acq: 15 Feb 2023 12:33

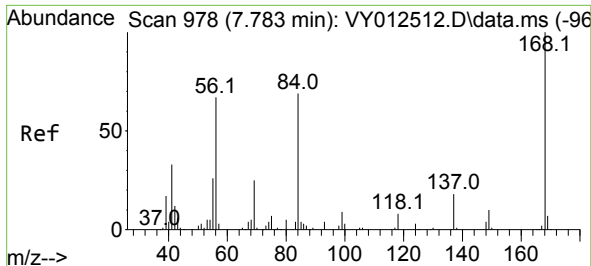
Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

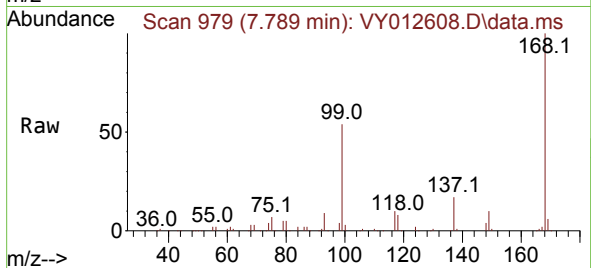
58 50.6 27.1 40.7#



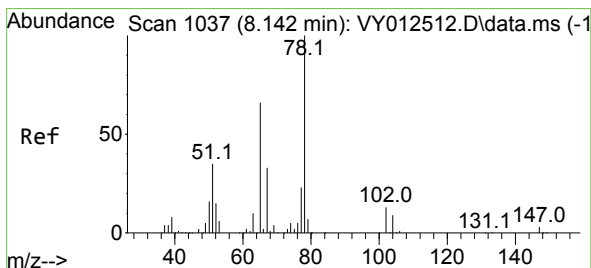
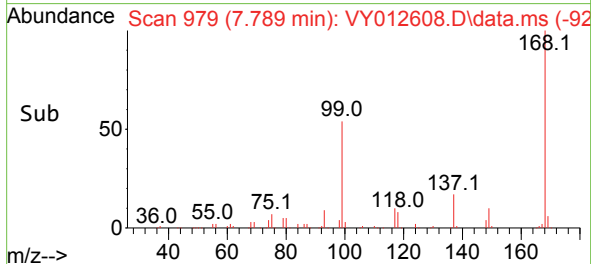
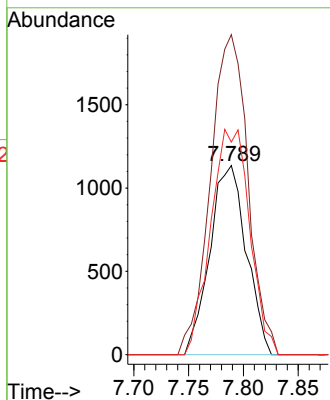


#31  
Cyclohexane  
Concen: 1.189 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

Instrument :  
MSVOA\_Y  
ClientSampleId :

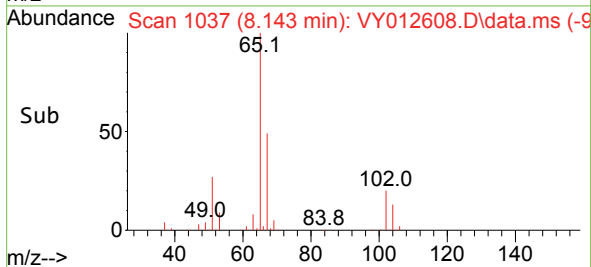
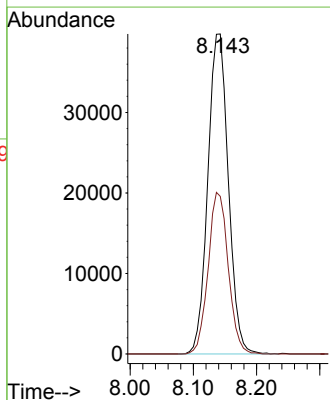
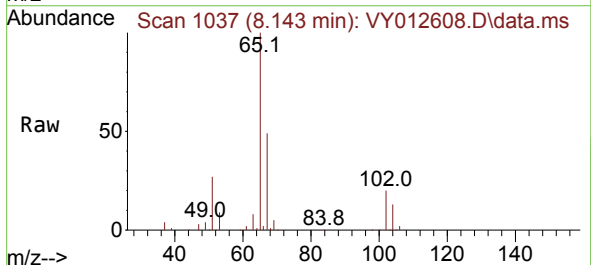


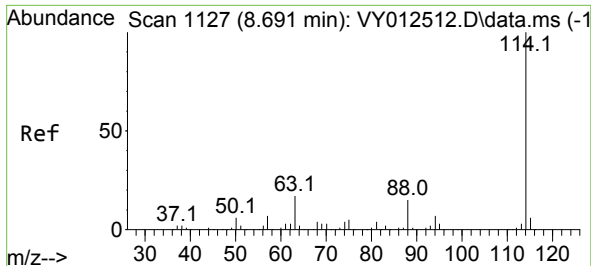
Tgt Ion: 56 Resp: 2631  
Ion Ratio Lower Upper  
56 100  
69 169.3 29.5 44.3#  
84 112.4 81.9 122.9



#33  
1,2-Dichloroethane-d4  
Concen: 46.761 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

Tgt Ion: 65 Resp: 89476  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012608.D

Acq: 15 Feb 2023 12:33

Instrument :

MSVOA\_Y

ClientSampleId :

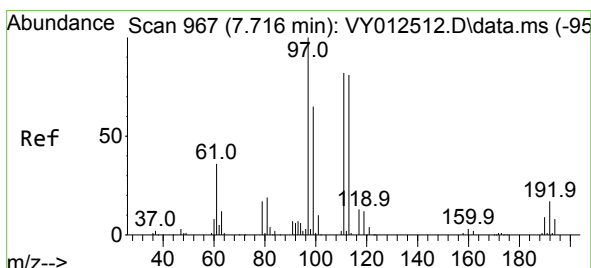
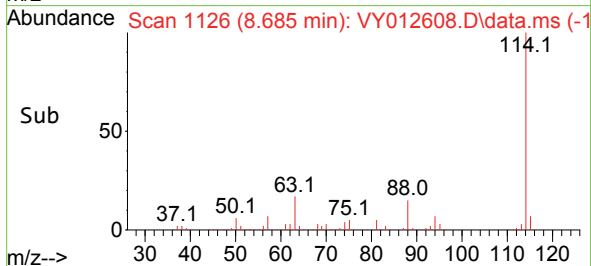
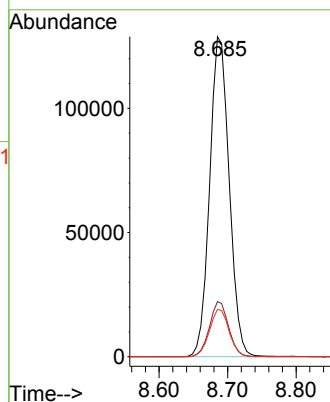
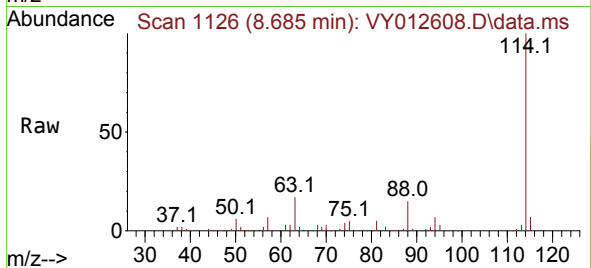
Tgt Ion:114 Resp: 254819

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.6

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.110 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012608.D

Acq: 15 Feb 2023 12:33

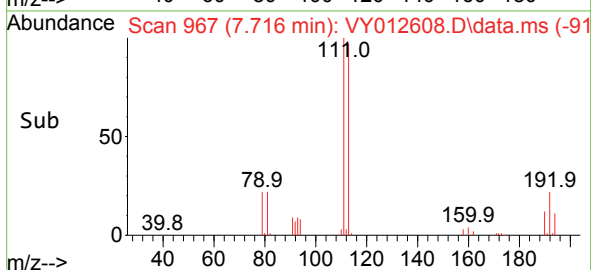
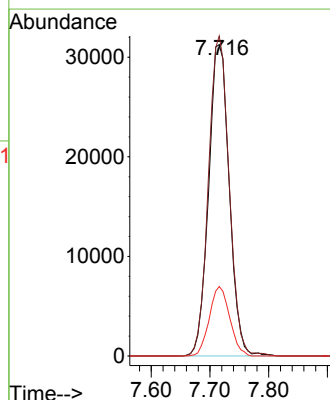
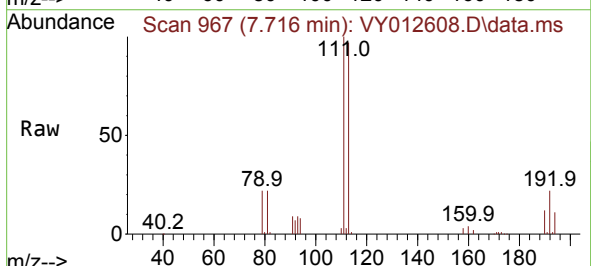
Tgt Ion:113 Resp: 76289

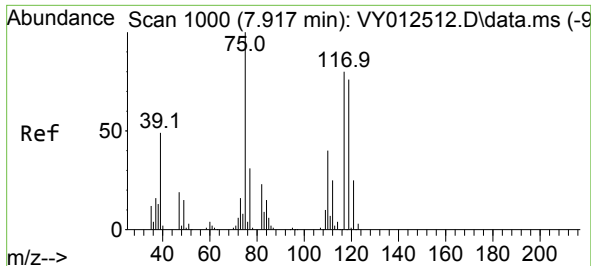
Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

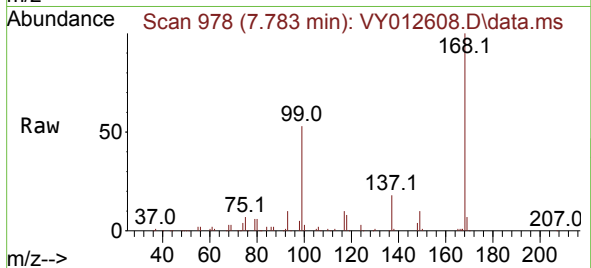
192 22.0 17.5 26.3



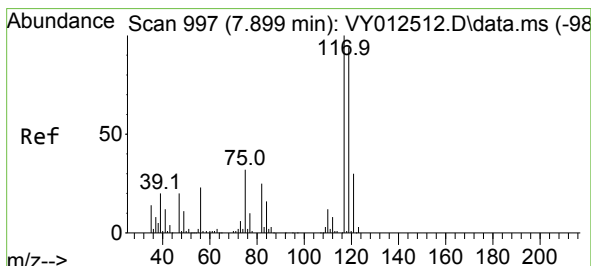
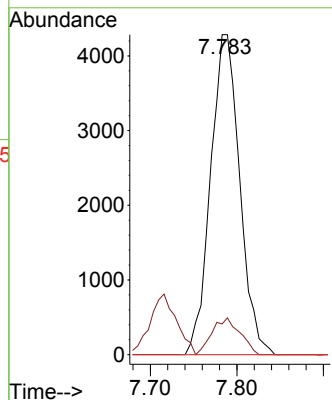
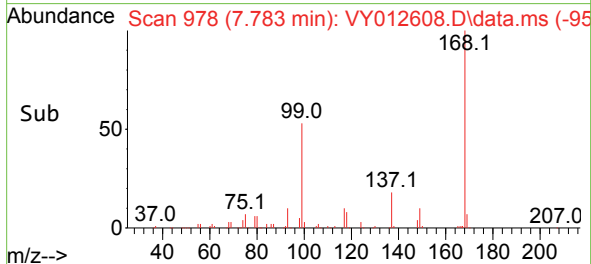


#36  
 1,1-Dichloropropene  
 Concen: 3.988 ug/l  
 RT: 7.783 min Scan# 91  
 Delta R.T. -0.134 min  
 Lab File: VY012608.D  
 Acq: 15 Feb 2023 12:33

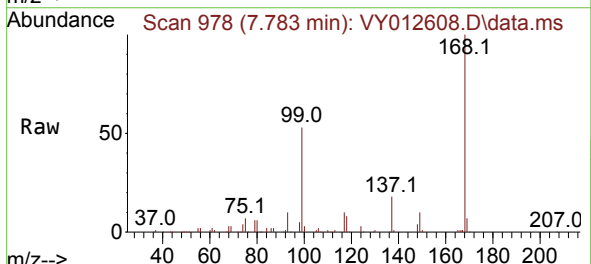
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



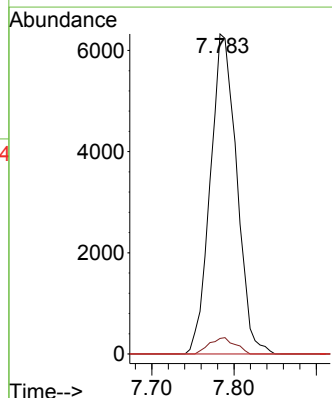
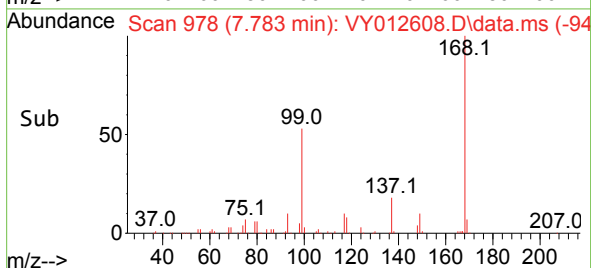
Tgt Ion: 75 Resp: 10016  
 Ion Ratio Lower Upper  
 75 100  
 110 11.0 19.5 58.5#  
 77 0.0 24.9 37.3#

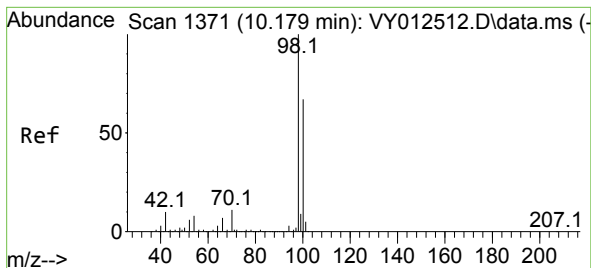


#38  
 Carbon Tetrachloride  
 Concen: 4.189 ug/l  
 RT: 7.783 min Scan# 978  
 Delta R.T. -0.116 min  
 Lab File: VY012608.D  
 Acq: 15 Feb 2023 12:33



Tgt Ion: 117 Resp: 14124  
 Ion Ratio Lower Upper  
 117 100  
 119 4.8 75.1 112.7#  
 121 0.0 24.3 36.5#

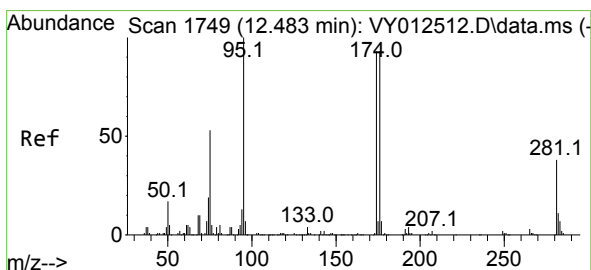
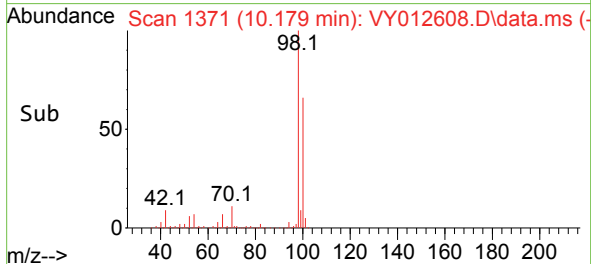
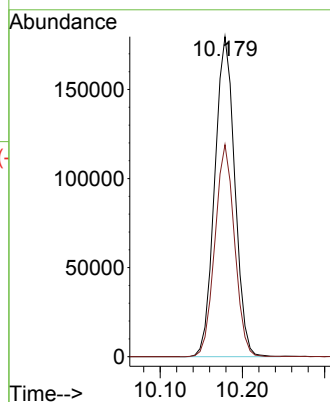
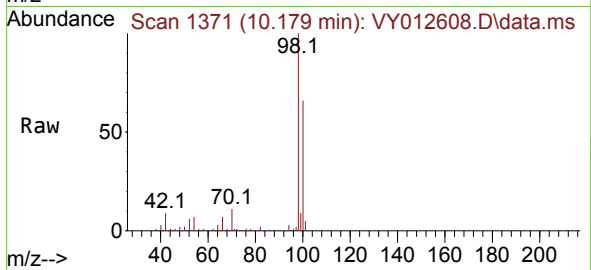




#50  
Toluene-d8  
Concen: 39.382 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

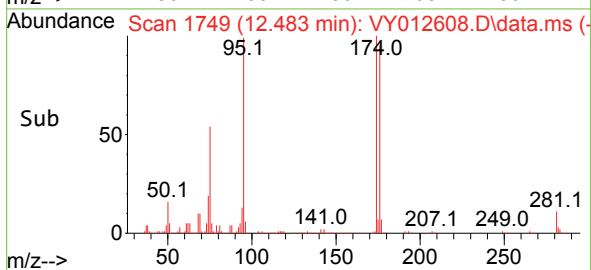
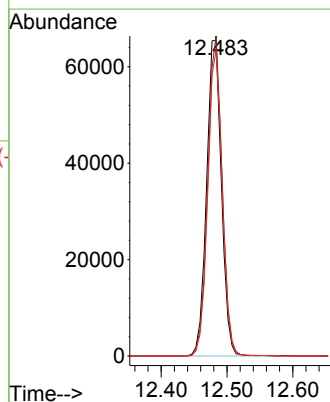
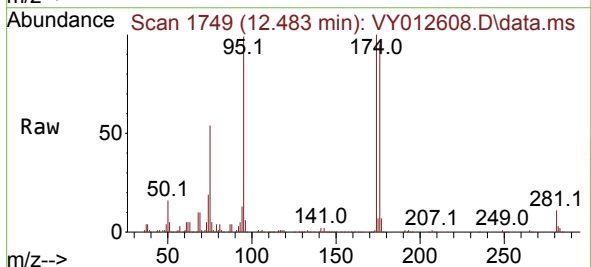
Instrument :  
MSVOA\_Y  
ClientSampleId :

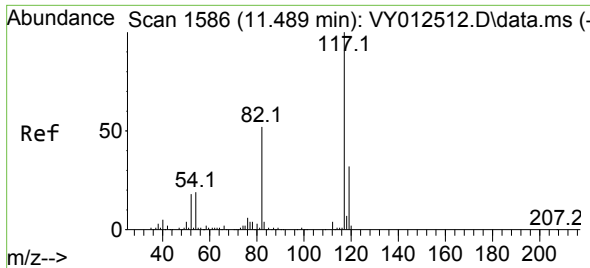
Tgt Ion: 98 Resp: 304195  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 38.151 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

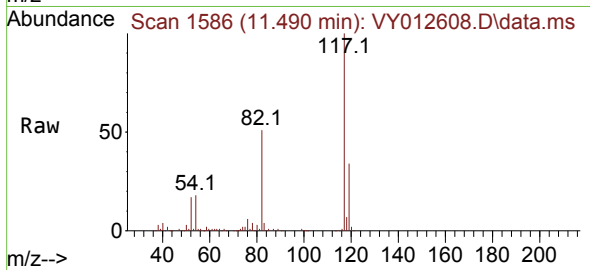
Tgt Ion: 95 Resp: 102787  
Ion Ratio Lower Upper  
95 100  
174 98.3 0.0 188.0  
176 94.5 0.0 183.6



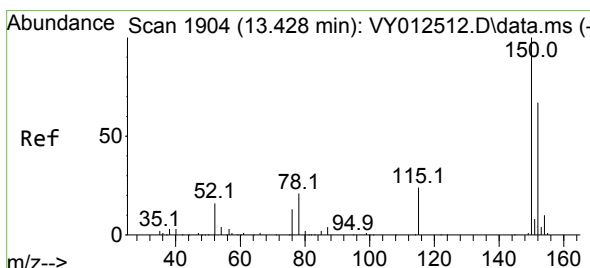
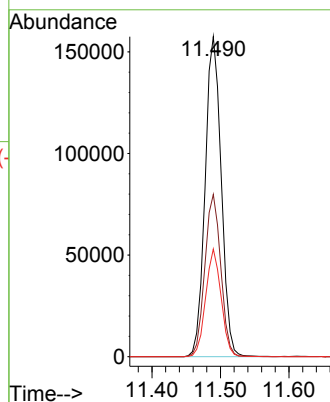
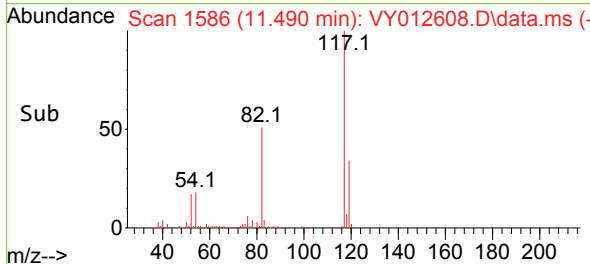


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

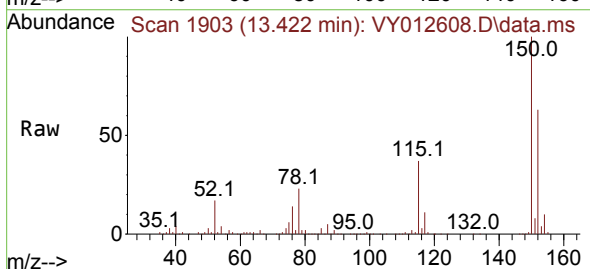
Instrument :  
MSVOA\_Y  
ClientSampleId :



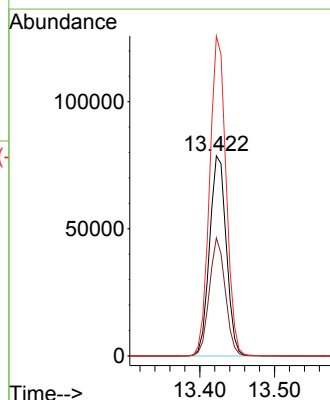
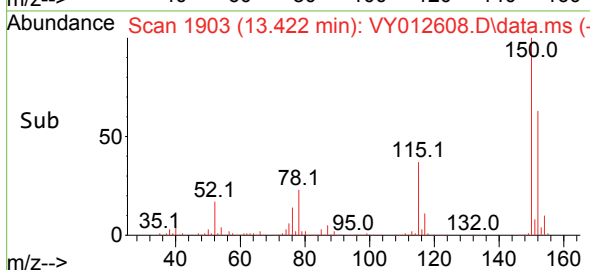
Tgt Ion:117 Resp: 257585  
Ion Ratio Lower Upper  
117 100  
82 50.7 41.7 62.5  
119 33.7 25.8 38.8

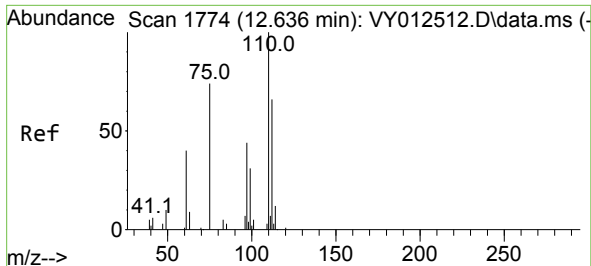


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33



Tgt Ion:152 Resp: 122418  
Ion Ratio Lower Upper  
152 100  
115 56.1 28.1 84.3  
150 157.4 0.0 351.0

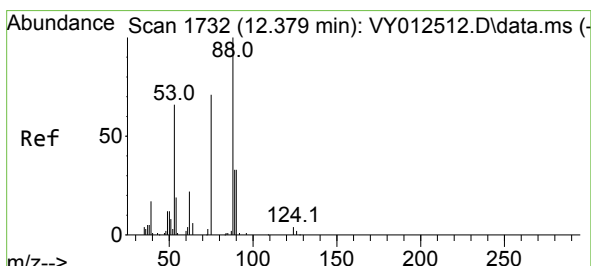
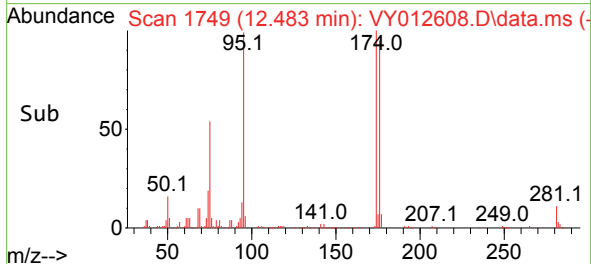
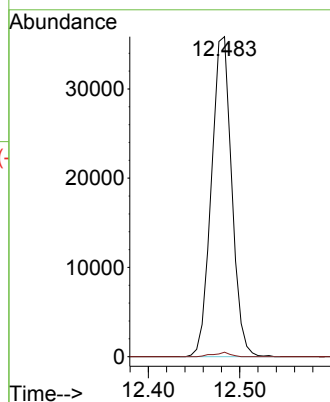
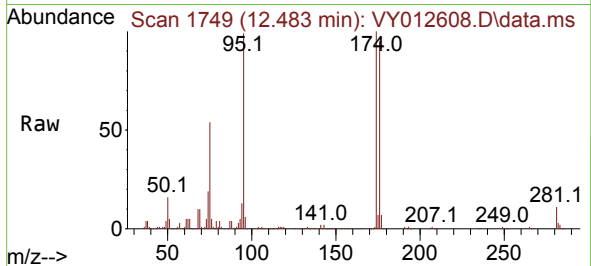




#76  
1,2,3-Trichloropropane  
Concen: 40.490 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 55378  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.307 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY012608.D  
Acq: 15 Feb 2023 12:33

Tgt Ion: 75 Resp: 55378  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.1 109.7#  
89 0.0 39.9 59.9#

