

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032622\  
 Data File : VY008043.D  
 Acq On : 26 Mar 2022 14:05  
 Operator : SY/MD  
 Sample : N2095-02  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-02-5.0-6.0

Quant Time: Mar 28 09:28:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 2022  
 Response via : Initial Calibration

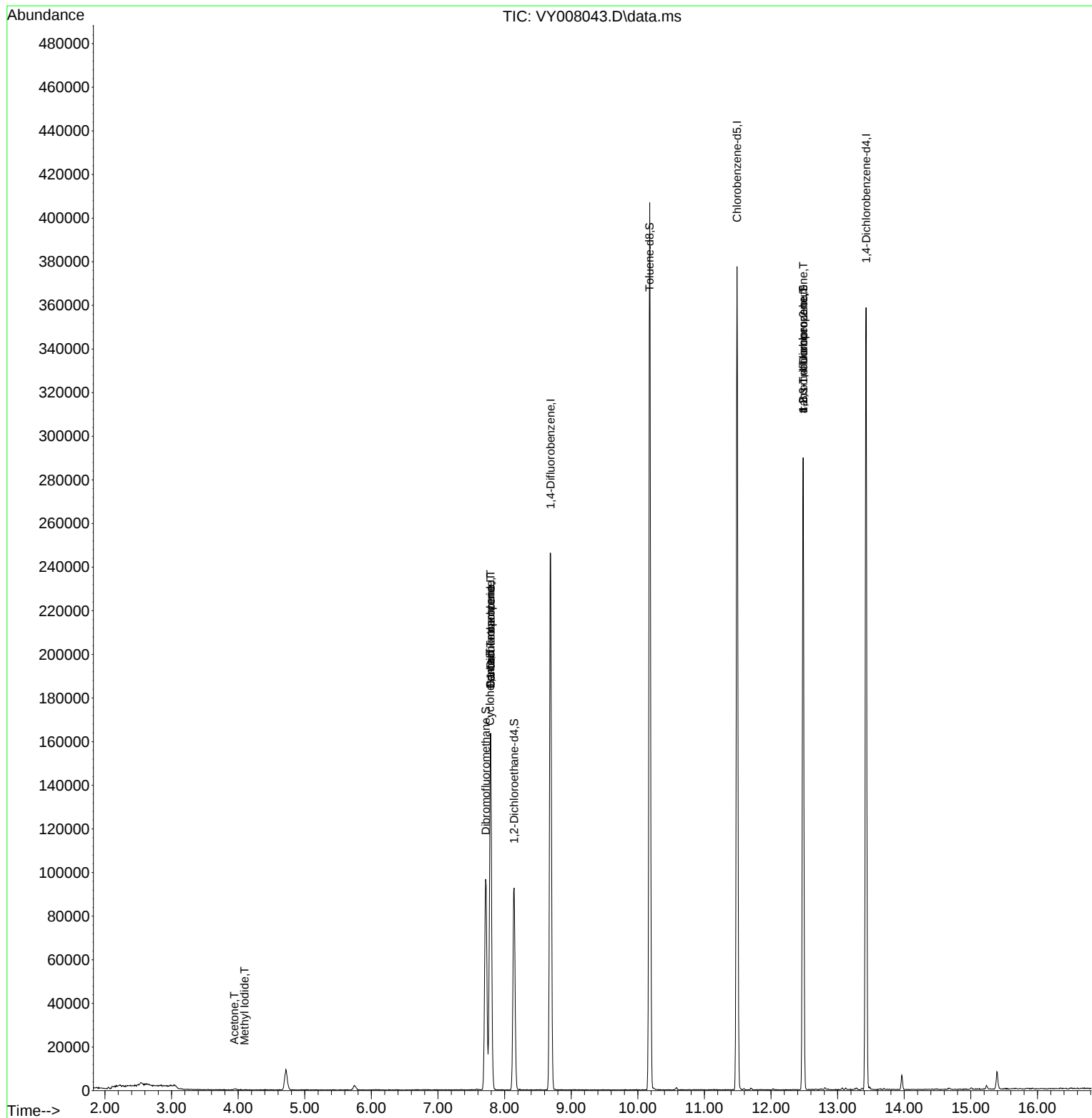
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 122969   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 223376   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 210019   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 90653    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 71896    | 58.274    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 116.540% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 70367    | 50.244    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 100.480% |          |
| 50) Toluene-d8                | 10.179    | 98    | 269531   | 51.082    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 102.160% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 92277    | 49.570    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 99.140%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.095     | 142   | 59       | 1.732     | ug/l #     | 35       |
| 16) Acetone                   | 3.942     | 43    | 943      | 3.344     | ug/l       | 97       |
| 18) Methyl Acetate            | 4.479     | 43    | 198      | Below Cal | #          | 56       |
| 31) Cyclohexane               | 7.783     | 56    | 2554     | 1.107     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 10094    | 4.588     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 12468    | 5.201     | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 48527    | 43.913    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 48527    | 97.977    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

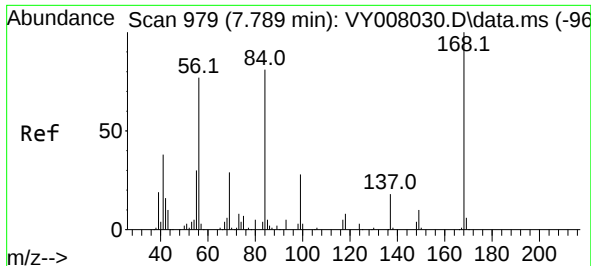
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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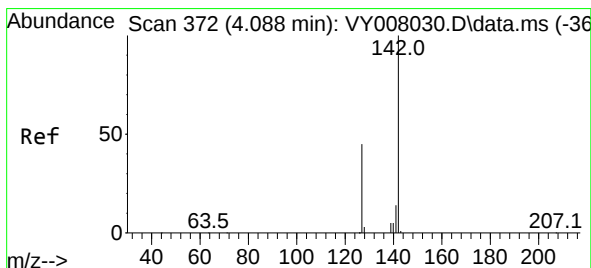
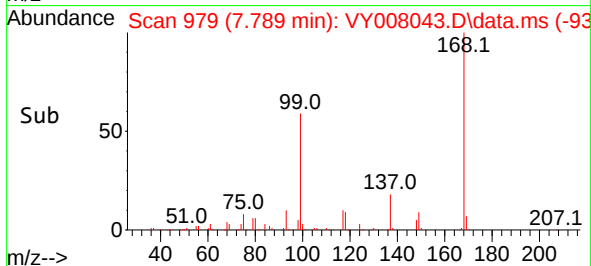
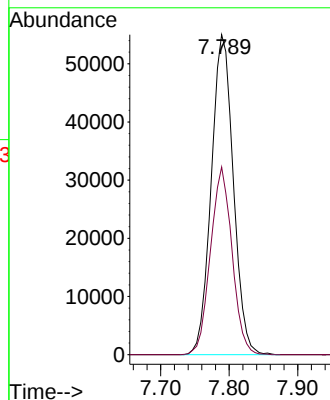
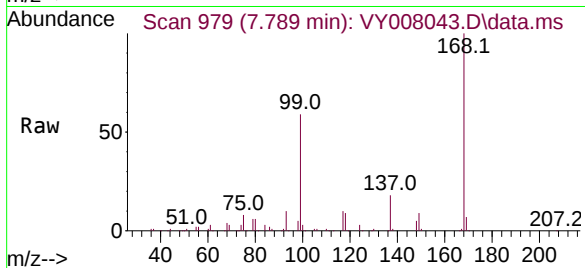




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

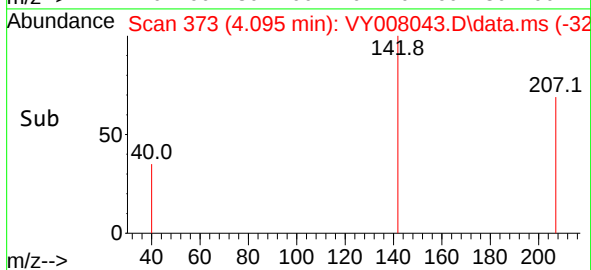
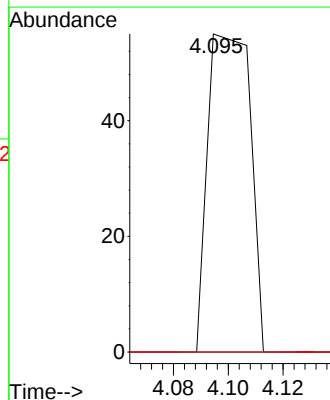
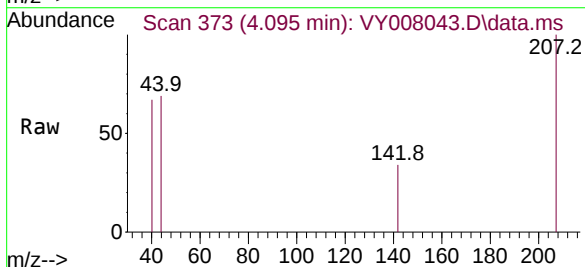
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-5.0-6.0

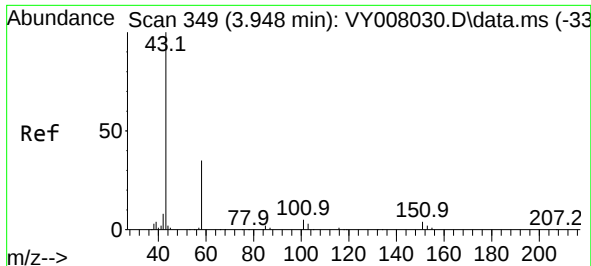
Tgt Ion:168 Resp: 122969  
Ion Ratio Lower Upper  
168 100  
99 58.7 46.9 70.3



#10  
Methyl Iodide  
Concen: 1.732 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.007 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

Tgt Ion:142 Resp: 59  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#

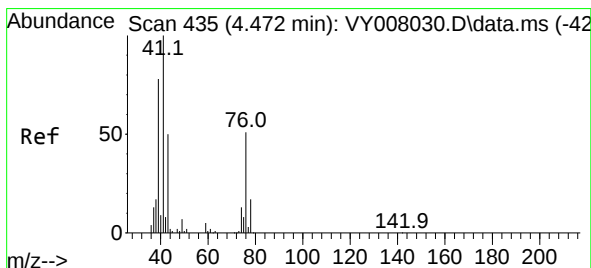
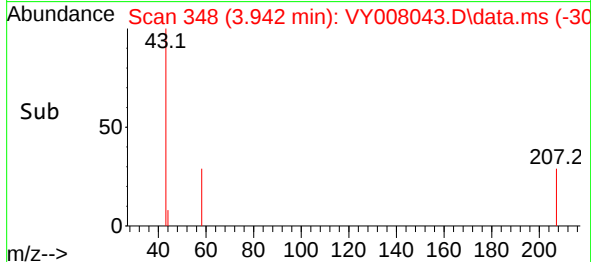
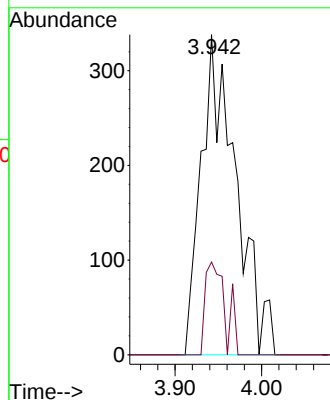
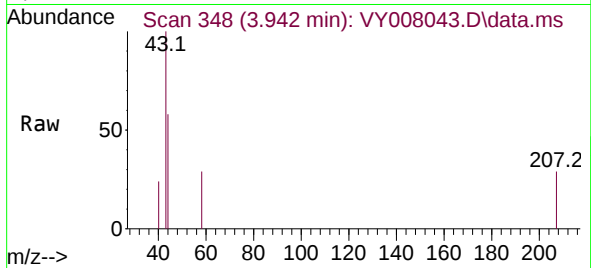




#16  
Acetone  
Concen: 3.344 ug/l  
RT: 3.942 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

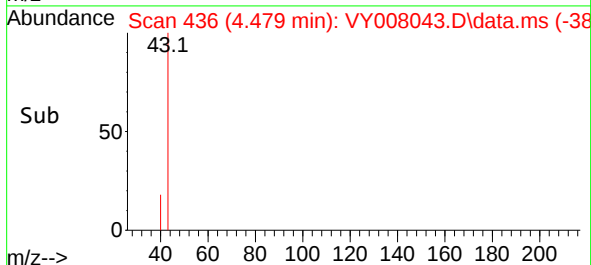
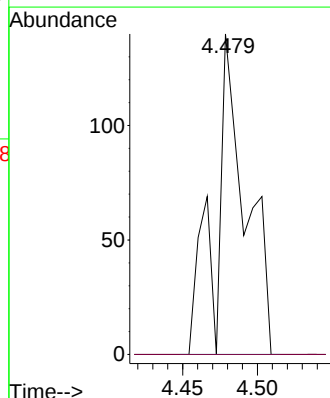
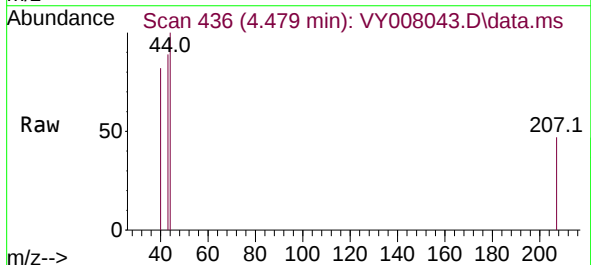
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-5.0-6.0

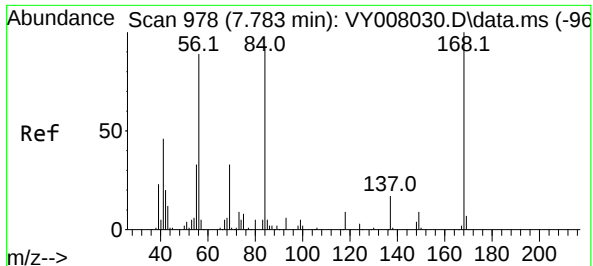
Tgt Ion: 43 Resp: 943  
Ion Ratio Lower Upper  
43 100  
58 29.0 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.479 min Scan# 436  
Delta R.T. 0.007 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

Tgt Ion: 43 Resp: 198  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

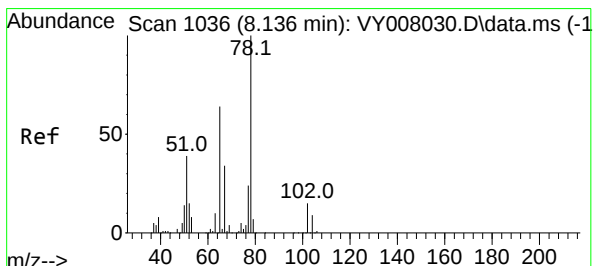
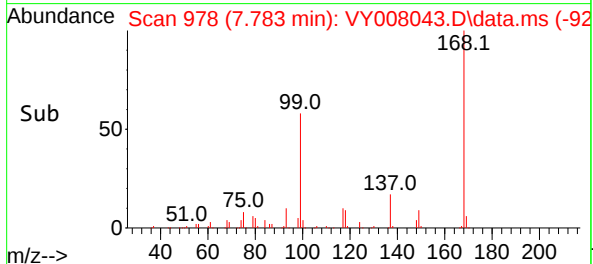
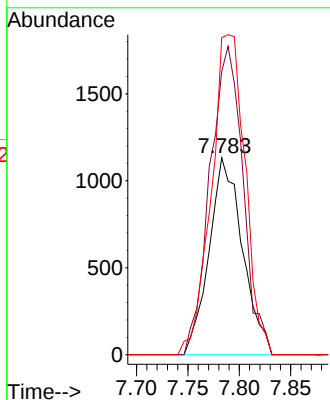
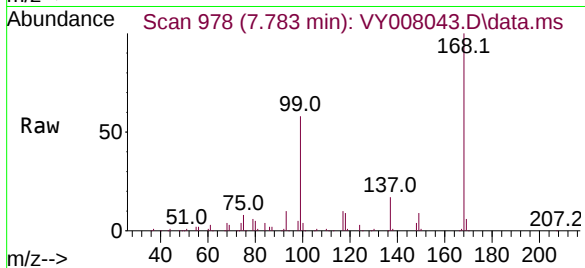




#31  
Cyclohexane  
Concen: 1.107 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

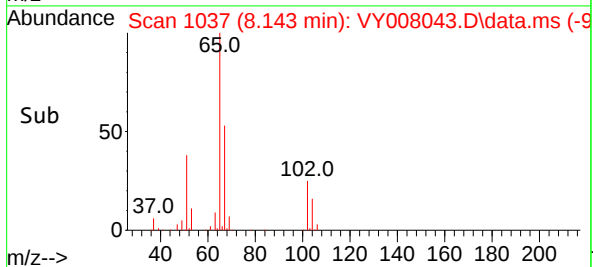
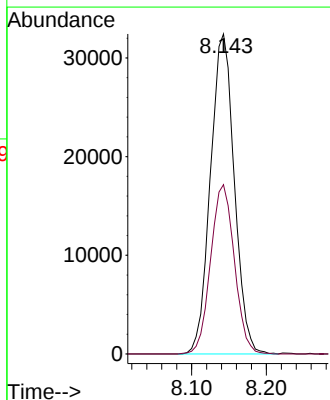
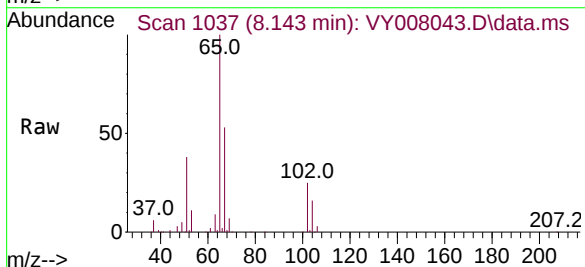
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-5.0-6.0

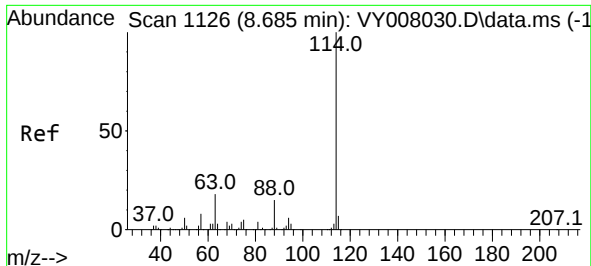
Tgt Ion: 56 Resp: 2554  
Ion Ratio Lower Upper  
56 100  
69 143.7 26.7 40.1#  
84 160.9 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 58.274 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

Tgt Ion: 65 Resp: 71896  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-5.0-6.0

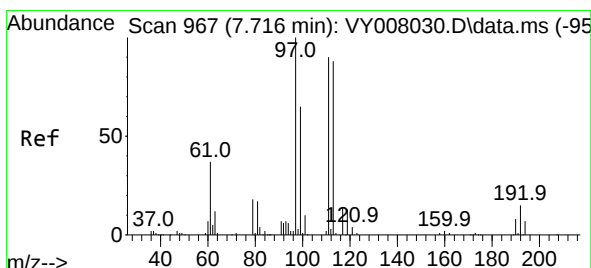
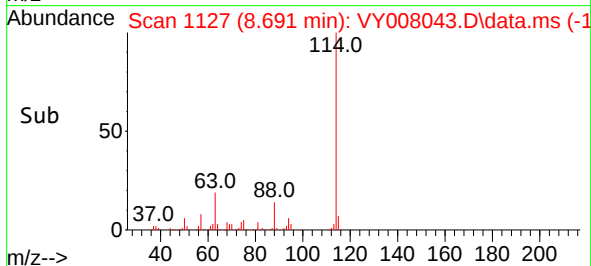
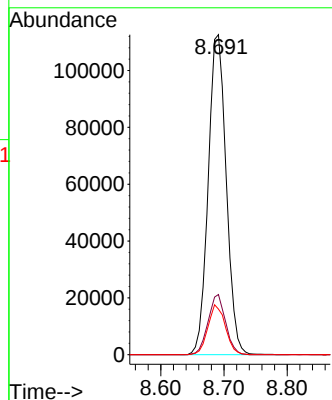
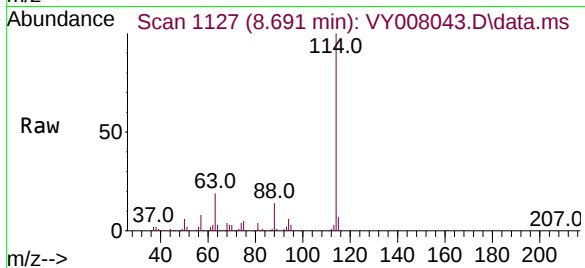
Tgt Ion:114 Resp: 223376

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.244 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

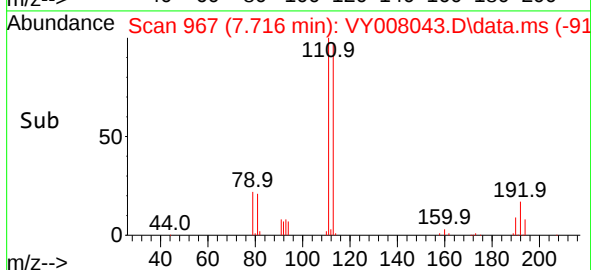
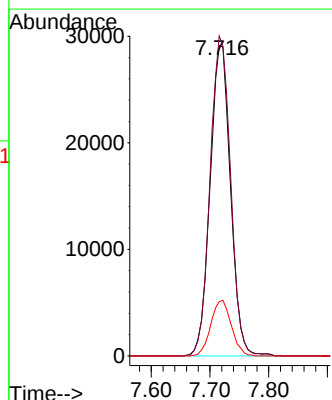
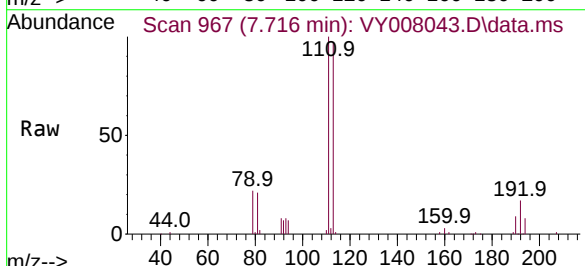
Tgt Ion:113 Resp: 70367

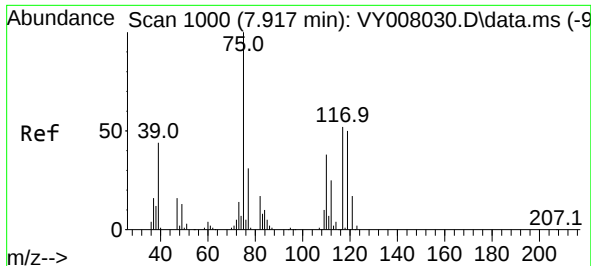
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 18.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.588 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-5.0-6.0

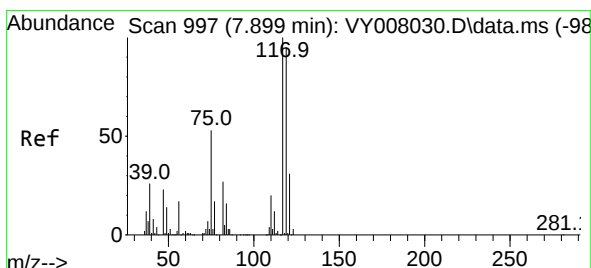
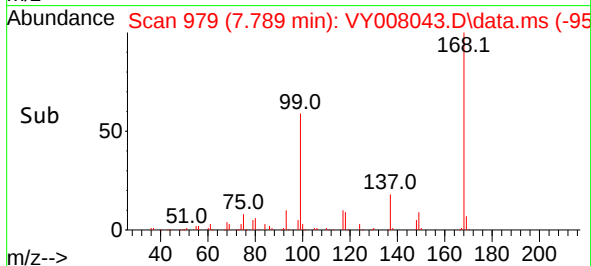
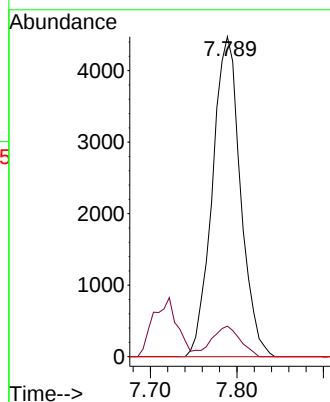
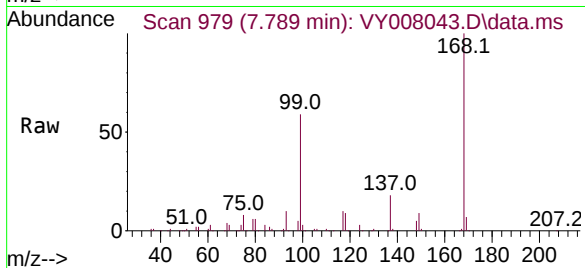
Tgt Ion: 75 Resp: 10094

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.201 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

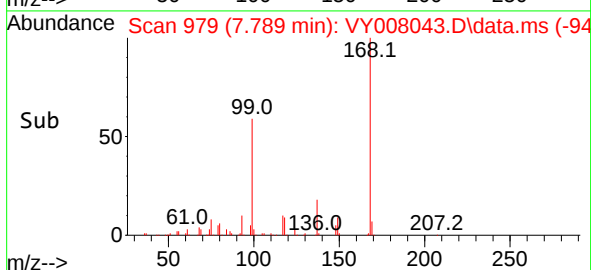
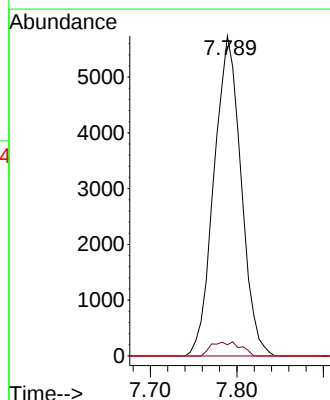
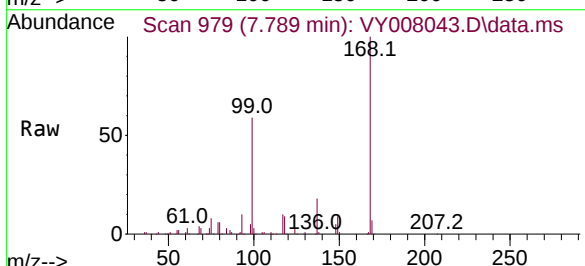
Tgt Ion: 117 Resp: 12468

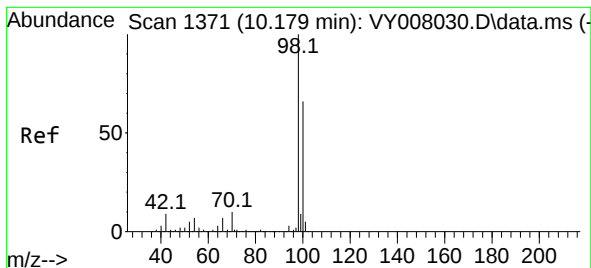
Ion Ratio Lower Upper

117 100

119 3.5 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 51.082 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

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MSVOA\_Y

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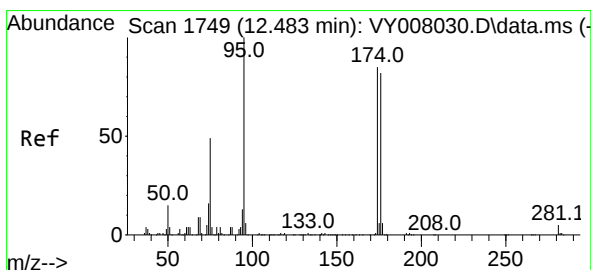
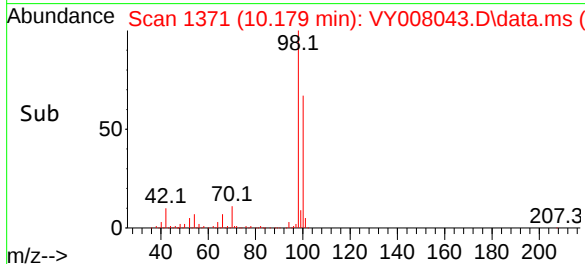
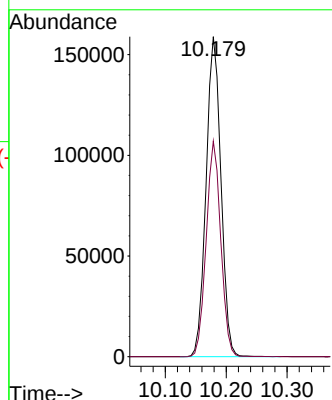
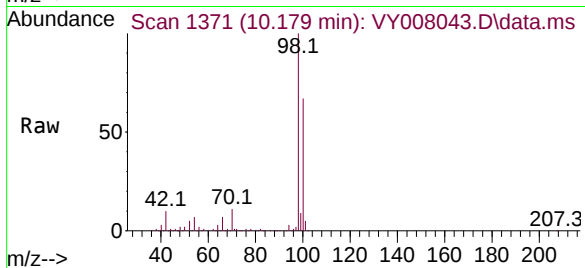
SB-02-5.0-6.0

Tgt Ion: 98 Resp: 269531

Ion Ratio Lower Upper

98 100

100 66.0 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 49.570 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

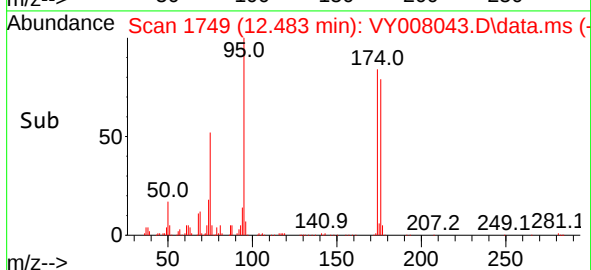
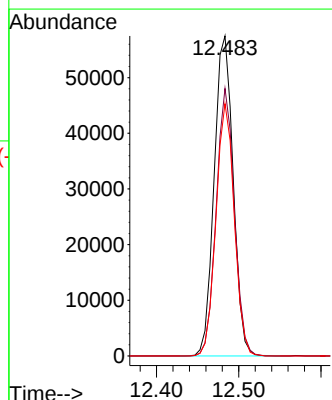
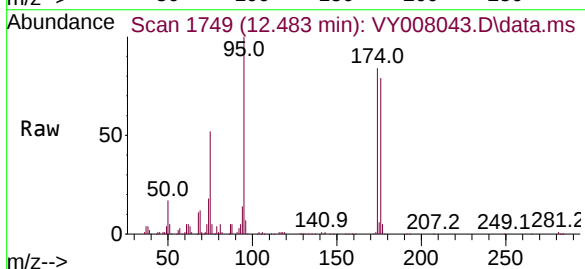
Tgt Ion: 95 Resp: 92277

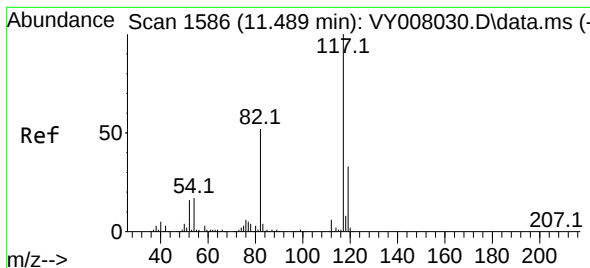
Ion Ratio Lower Upper

95 100

174 80.0 0.0 177.0

176 76.0 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

SB-02-5.0-6.0

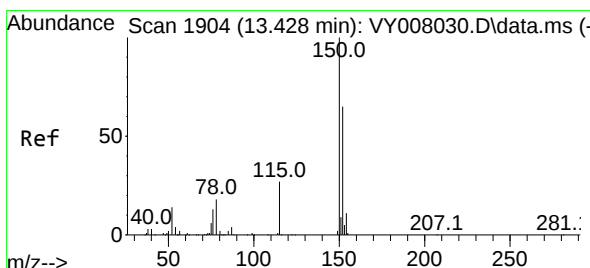
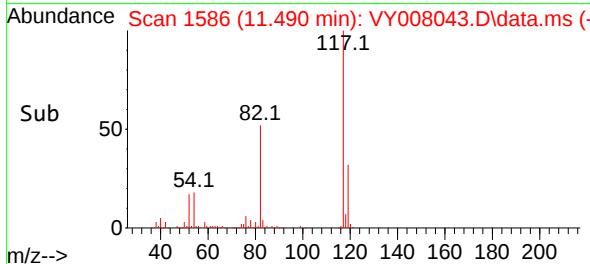
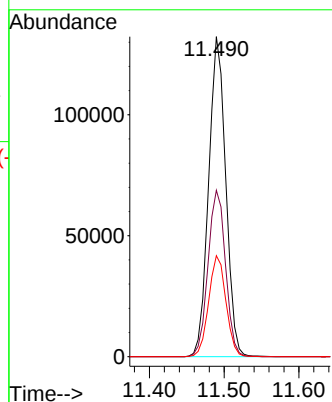
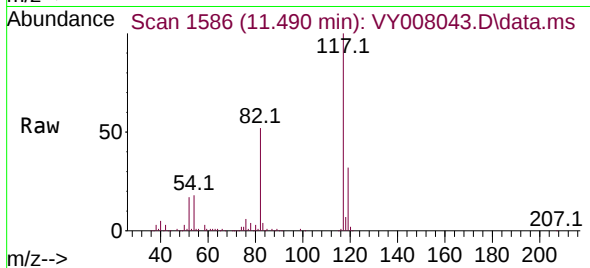
Tgt Ion:117 Resp: 210019

Ion Ratio Lower Upper

117 100

82 52.0 43.0 64.4

119 31.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008043.D

Acq: 26 Mar 2022 14:05

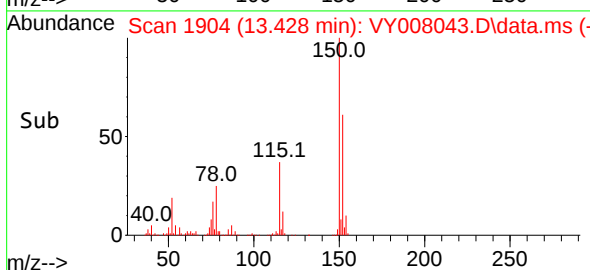
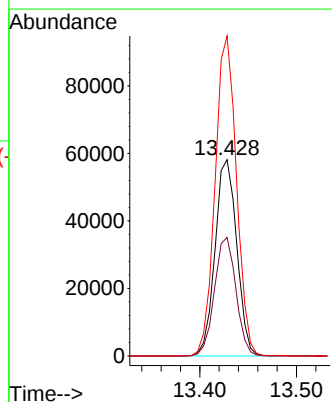
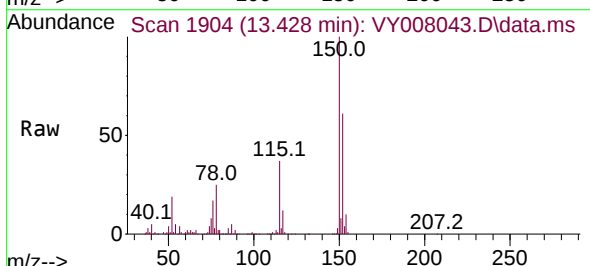
Tgt Ion:152 Resp: 90653

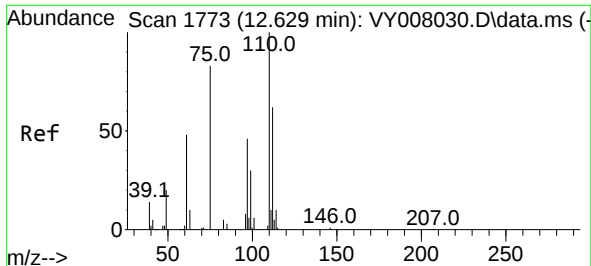
Ion Ratio Lower Upper

152 100

115 59.8 28.2 84.7

150 160.2 0.0 347.6

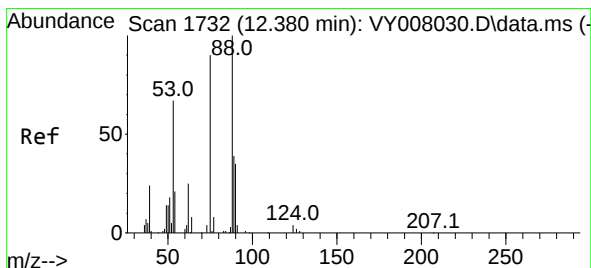
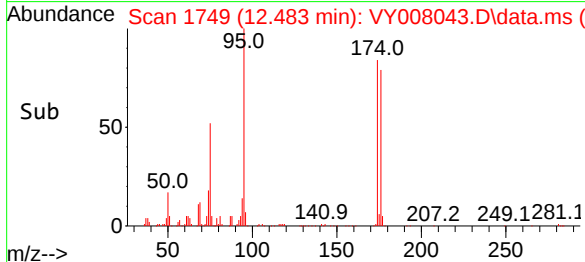
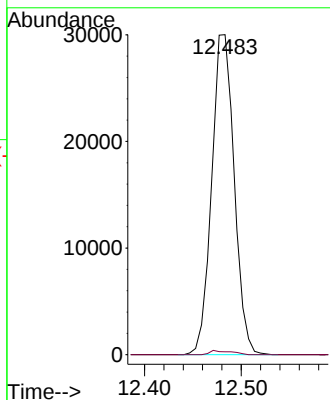
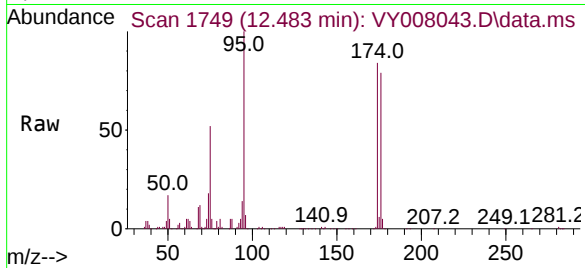




#76  
1,2,3-Trichloropropane  
Concen: 43.913 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-02-5.0-6.0

Tgt Ion: 75 Resp: 48527  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.977 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY008043.D  
Acq: 26 Mar 2022 14:05

Tgt Ion: 75 Resp: 48527  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

