

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
 Data File : VY004122.D  
 Acq On : 18 Mar 2021 15:22  
 Operator : SY/MD  
 Sample : M1718-01  
 Misc : 7.19g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 19 01:43:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

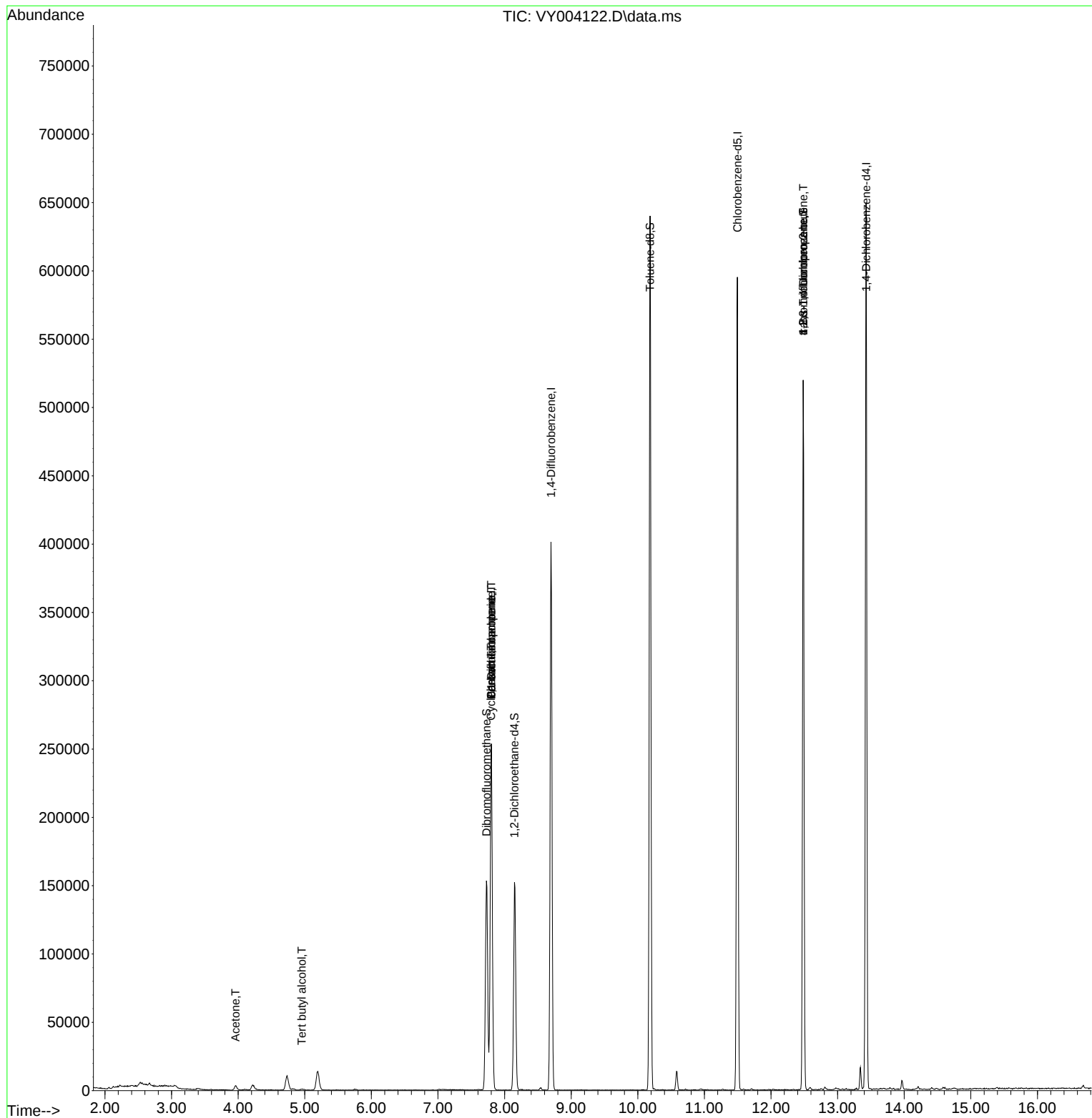
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 199501             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 346706             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 328039             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 162728             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 117259             | 59.56     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 119.12% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 106985             | 54.72     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.44% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 414650             | 54.10     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 108.20% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 152342             | 53.81     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 107.62% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
| 3) Chloromethane              | 2.119          | 50   | 577                | Below Cal | #      | 72       |
| 11) Tert butyl alcohol        | 4.954          | 59   | 734                | 4.12      | ug/l # | 84       |
| 16) Acetone                   | 3.960          | 43   | 5566               | 11.71     | ug/l   | 100      |
| 20) Methylene Chloride        | 4.735          | 84   | 8049               | Below Cal |        | 92       |
| 31) Cyclohexane               | 7.795          | 56   | 4032               | 1.17      | ug/l # | 8        |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 14267              | 4.68      | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 18848              | 5.83      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 79337              | 50.85     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 79337              | 100.35    | ug/l # | 13       |
| -----                         |                |      |                    |           |        |          |

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

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Sample : M1718-01  
Misc : 7.19g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

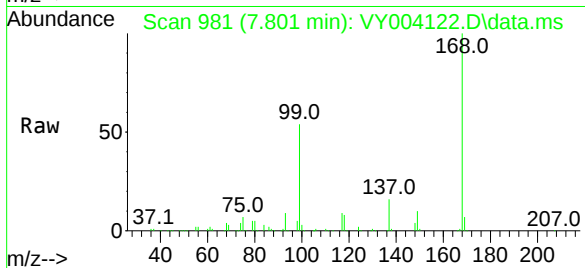
Quant Time: Mar 19 01:43:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 08 12:28:55 2021  
Response via : Initial Calibration



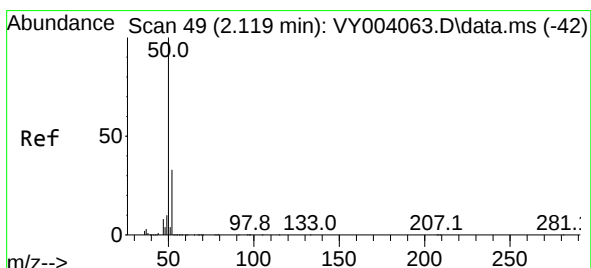
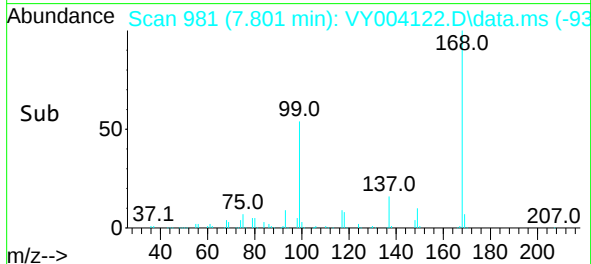
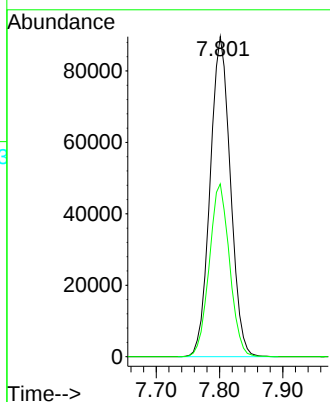


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Instrument :  
MSVOA\_Y  
ClientSampled :

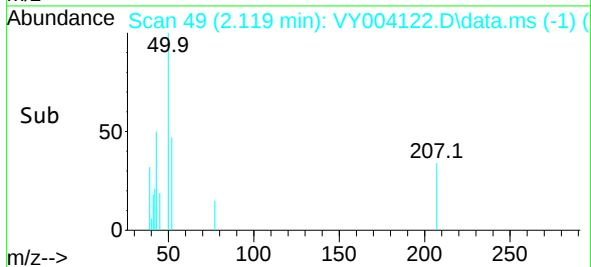
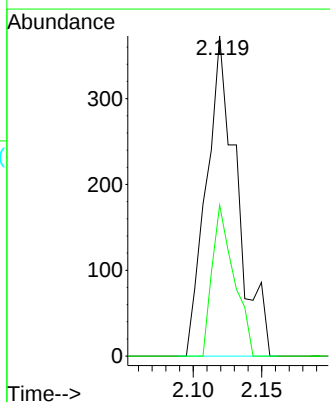
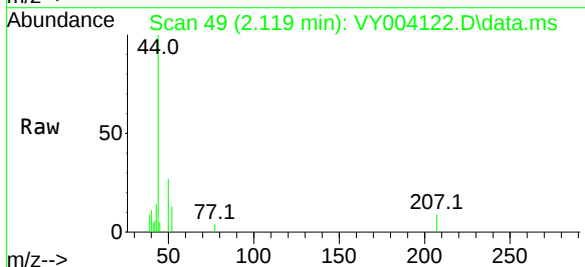


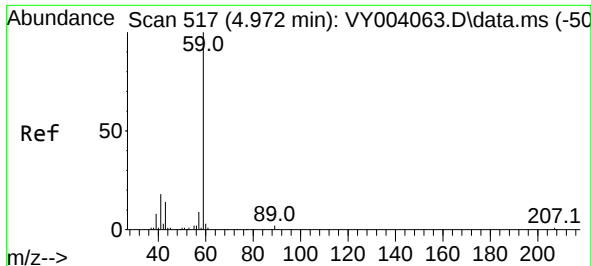
Tgt Ion:168 Resp: 199501  
Ion Ratio Lower Upper  
168 100  
99 54.0 41.2 61.8



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

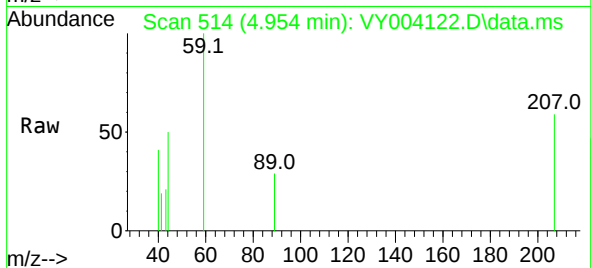
Tgt Ion: 50 Resp: 577  
Ion Ratio Lower Upper  
50 100  
52 47.2 25.4 38.2#



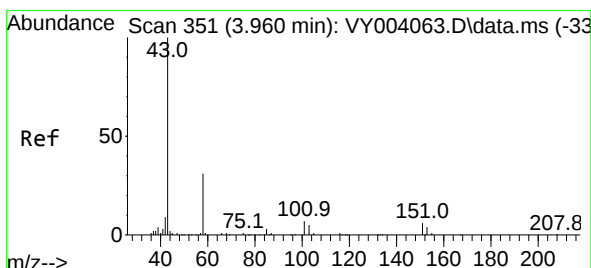
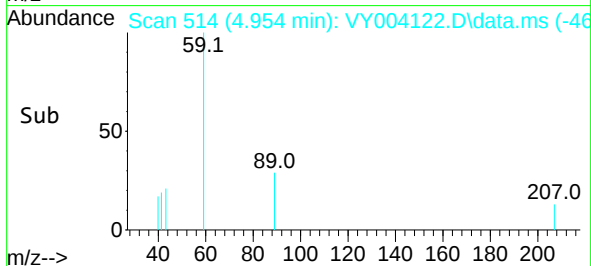
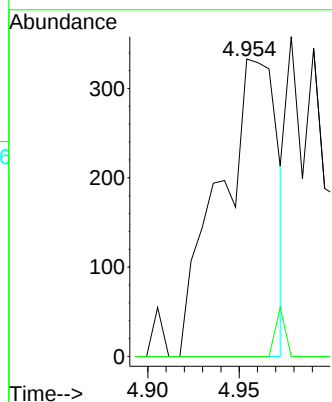


#11  
Tert butyl alcohol  
Concen: 4.12 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.018 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Instrument :  
MSVOA\_Y  
ClientSampled :

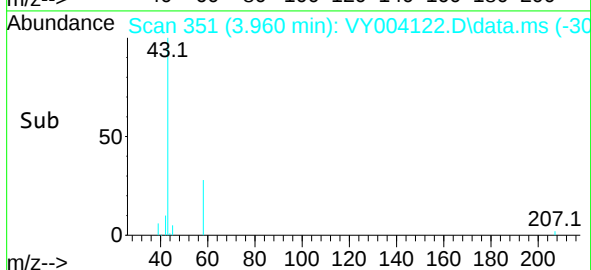
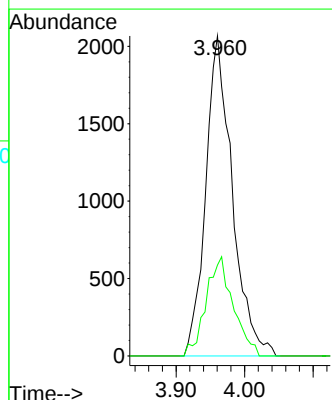
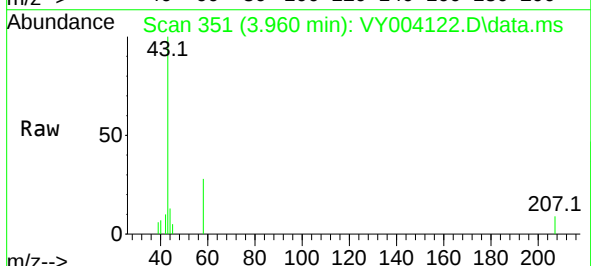


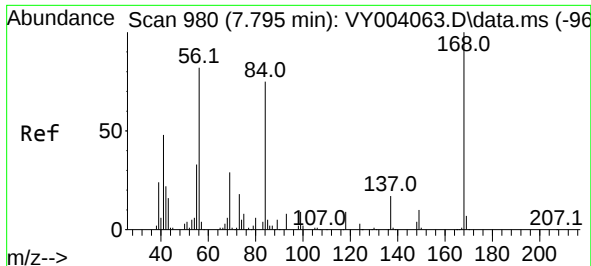
Tgt Ion: 59 Resp: 734  
Ion Ratio Lower Upper  
59 100  
57 2.7 6.9 10.3#



#16  
Acetone  
Concen: 11.71 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

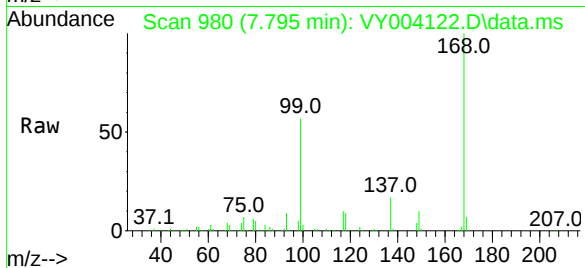
Tgt Ion: 43 Resp: 5566  
Ion Ratio Lower Upper  
43 100  
58 28.4 22.6 34.0



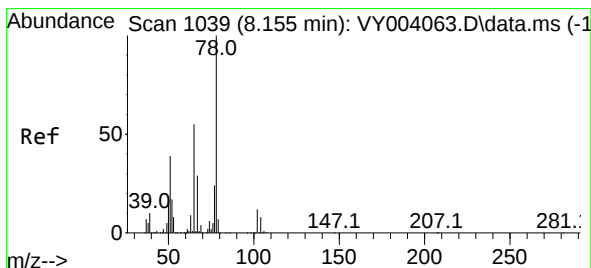
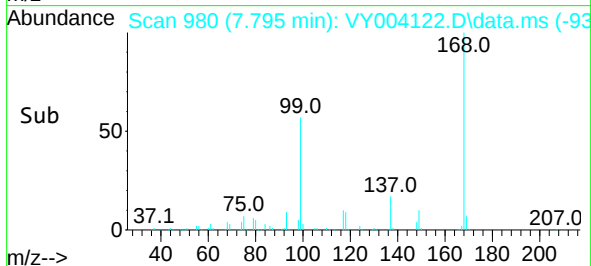
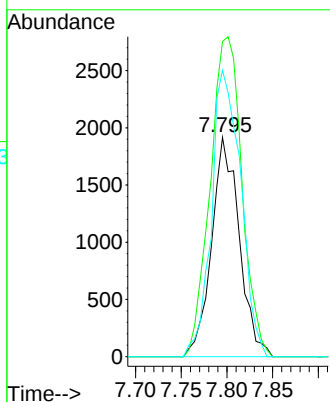


#31  
Cyclohexane  
Concen: 1.17 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Instrument :  
MSVOA\_Y  
ClientSampled :

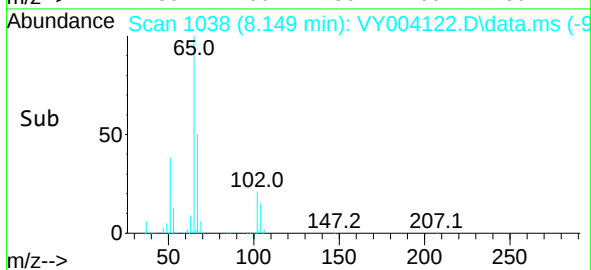
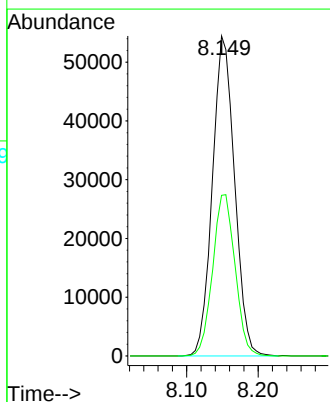
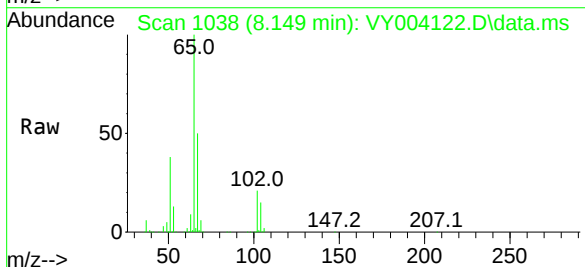


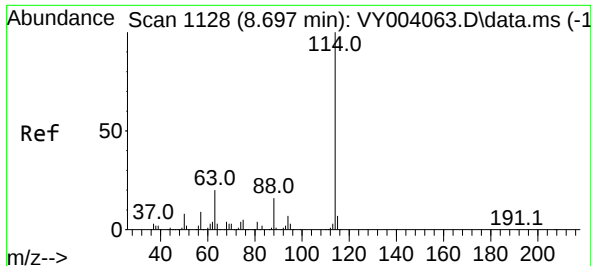
Tgt Ion: 56 Resp: 4032  
Ion Ratio Lower Upper  
56 100  
69 143.6 25.3 37.9#  
84 130.5 67.3 100.9#



#33  
1,2-Dichloroethane-d4  
Concen: 59.56 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Tgt Ion: 65 Resp: 117259  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004122.D

Acq: 18 Mar 2021 15:22

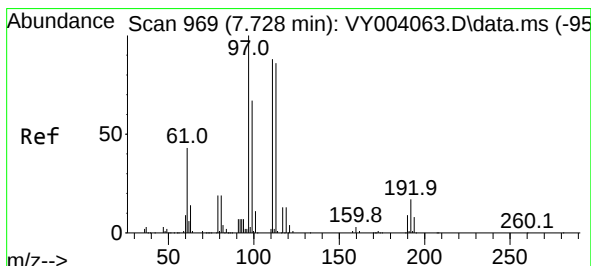
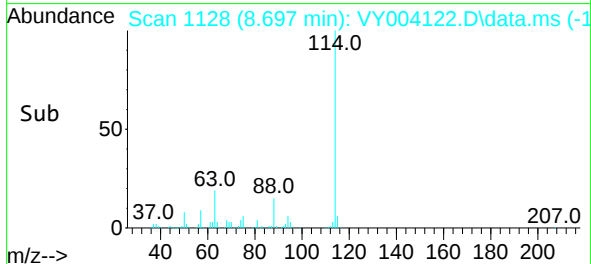
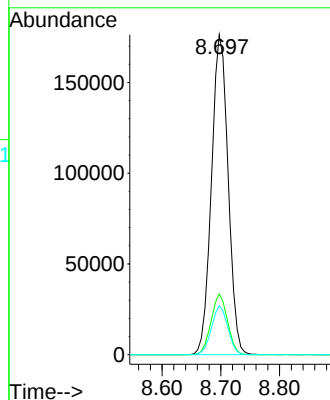
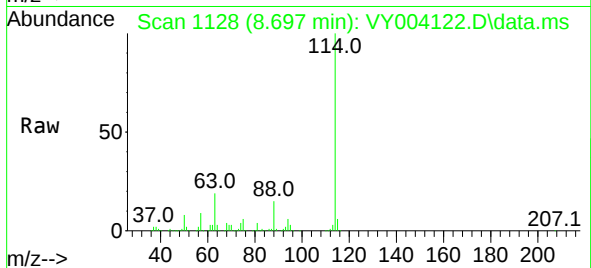
Tgt Ion:114 Resp: 346706

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

88 15.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.72 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004122.D

Acq: 18 Mar 2021 15:22

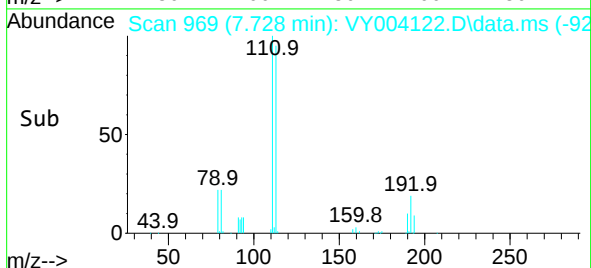
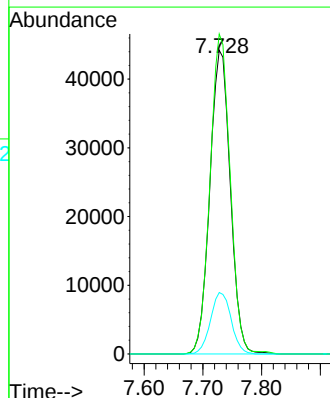
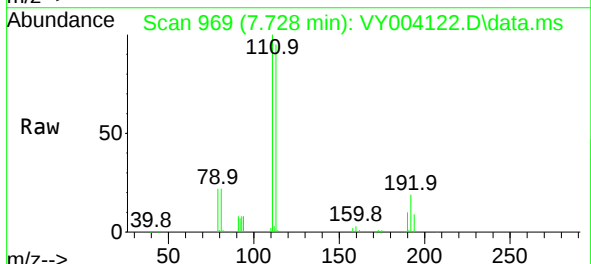
Tgt Ion:113 Resp: 106985

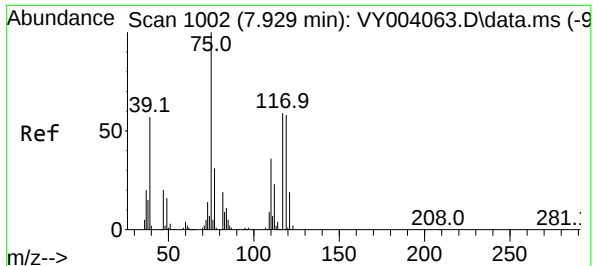
Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

192 20.4 18.5 27.7

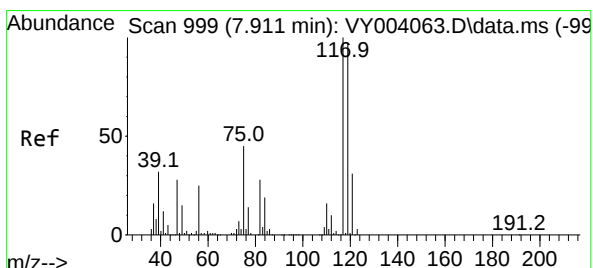
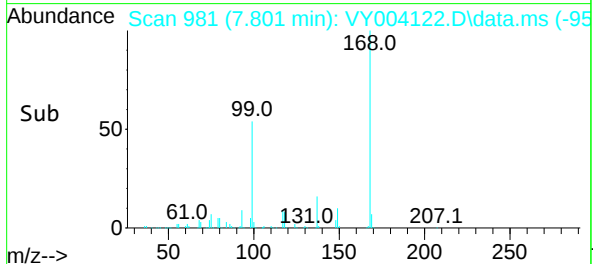
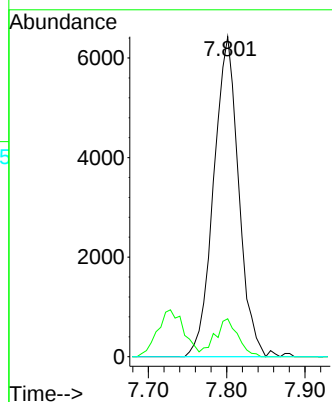
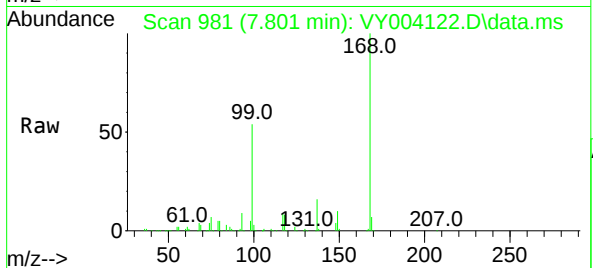




#36  
1,1-Dichloropropene  
Concen: 4.68 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

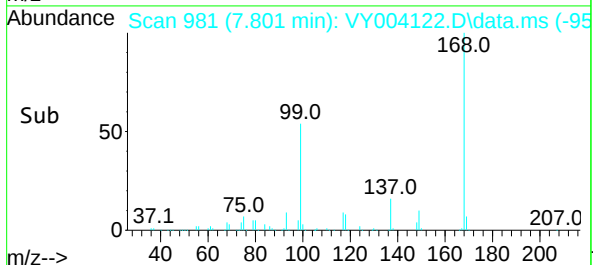
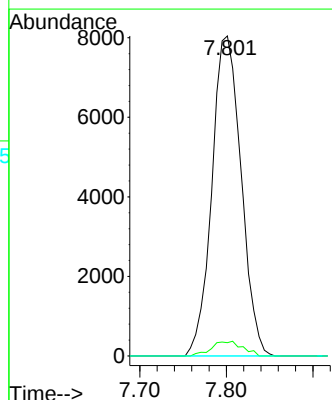
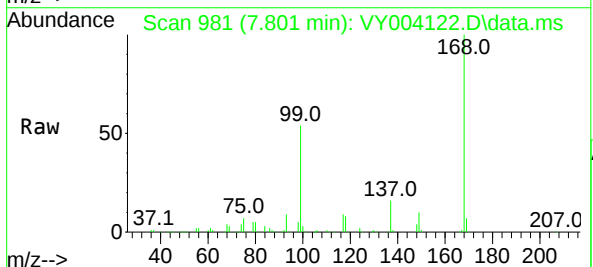
Instrument :  
MSVOA\_Y  
ClientSampleId :

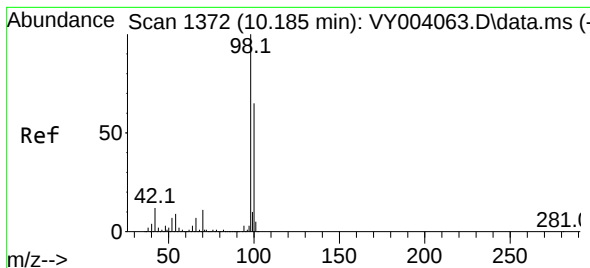
Tgt Ion: 75 Resp: 14267  
Ion Ratio Lower Upper  
75 100  
110 10.9 17.4 52.3#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 5.83 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Tgt Ion: 117 Resp: 18848  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.4 113.0#  
121 0.0 24.2 36.2#

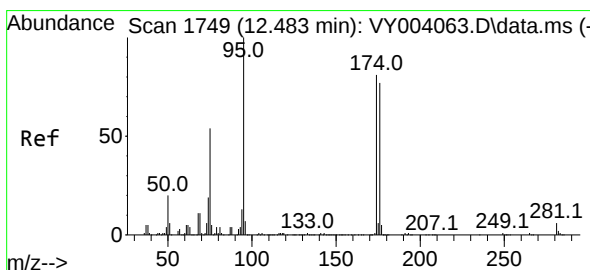
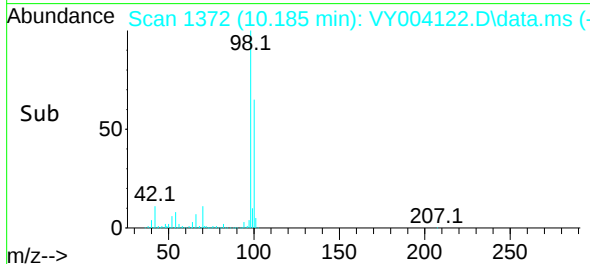
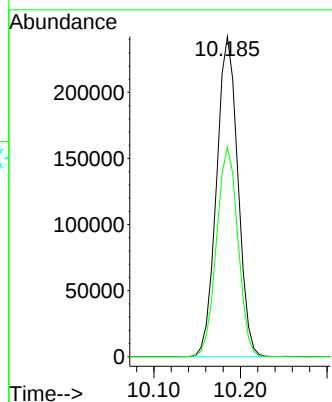
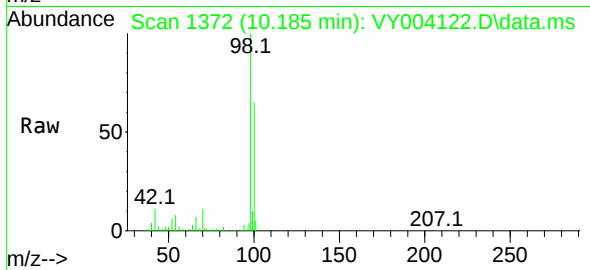




#50  
Toluene-d8  
Concen: 54.10 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

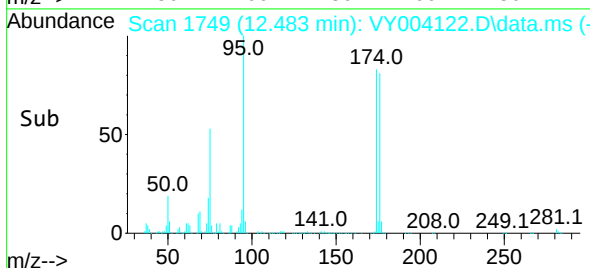
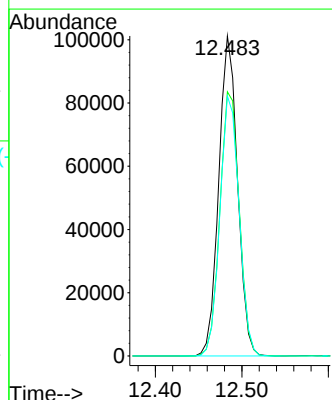
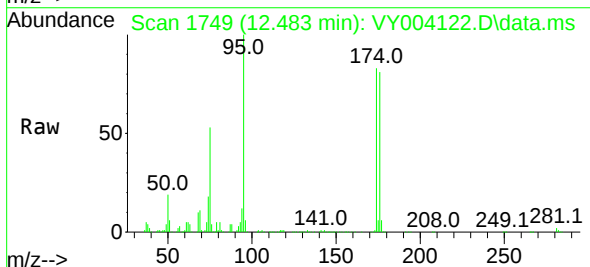
Instrument :  
MSVOA\_Y  
ClientSampled :

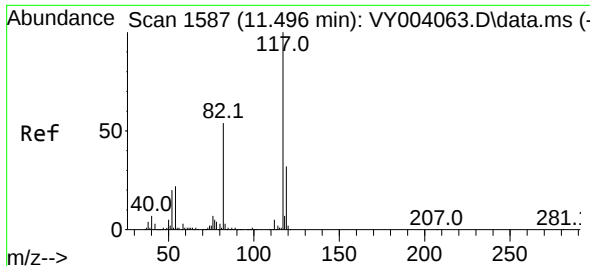
Tgt Ion: 98 Resp: 414650  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 53.81 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Tgt Ion: 95 Resp: 152342  
Ion Ratio Lower Upper  
95 100  
174 84.9 0.0 179.0  
176 83.0 0.0 174.4

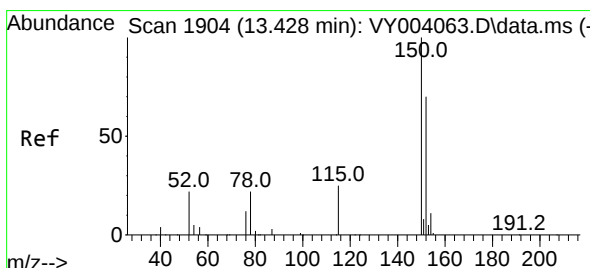
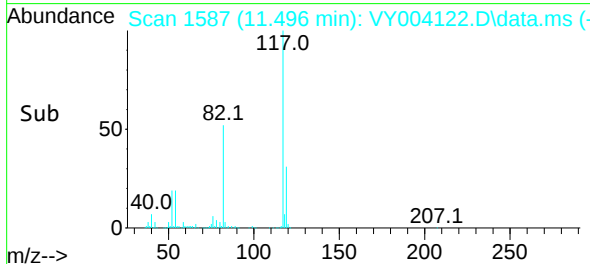
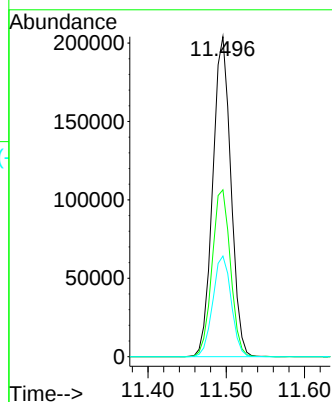
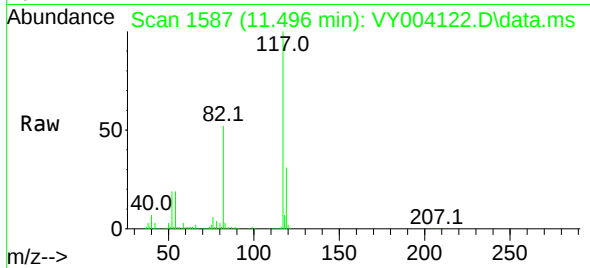




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

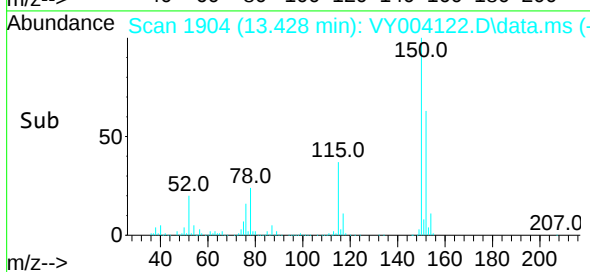
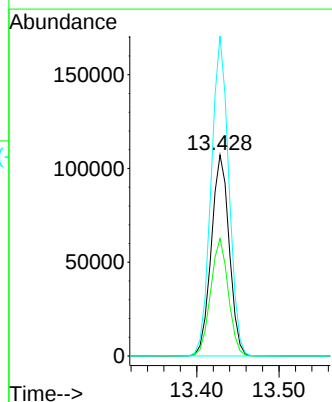
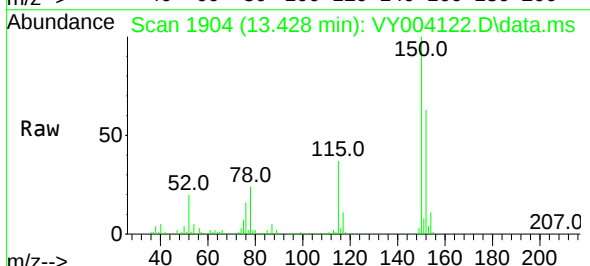
Instrument :  
MSVOA\_Y  
ClientSampleId :

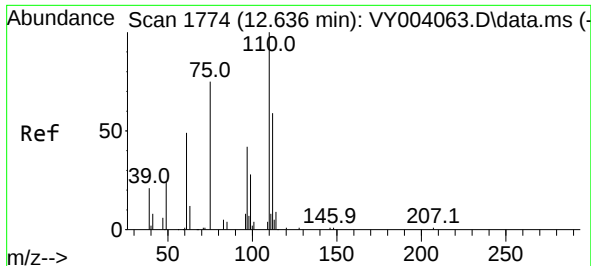
Tgt Ion:117 Resp: 328039  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.8 65.6  
119 31.5 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Tgt Ion:152 Resp: 162728  
Ion Ratio Lower Upper  
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115 57.4 28.2 84.6  
150 156.6 0.0 347.2

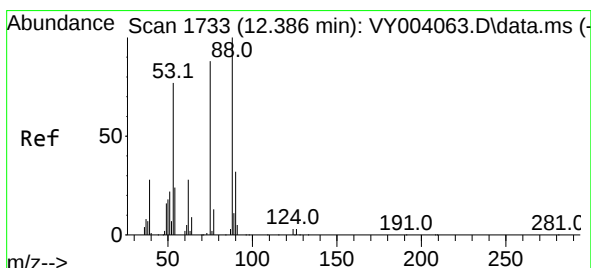
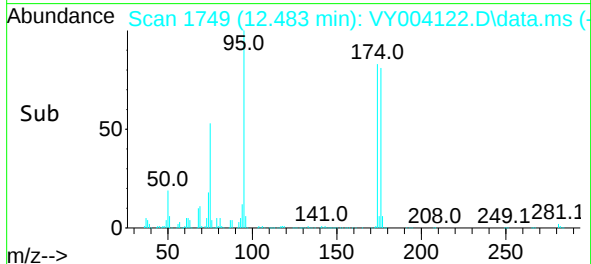
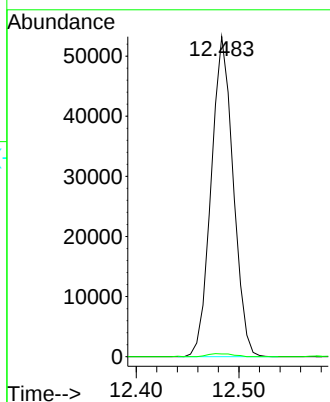
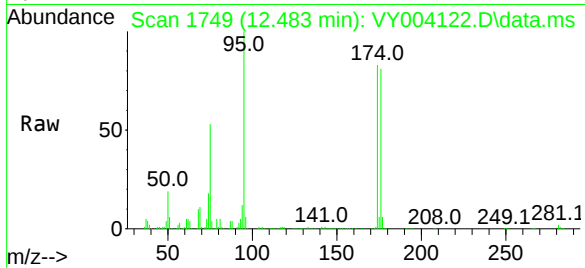




#76  
1,2,3-Trichloropropane  
Concen: 50.85 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 79337  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 100.35 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.097 min  
Lab File: VY004122.D  
Acq: 18 Mar 2021 15:22

Tgt Ion: 75 Resp: 79337  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.5 110.3#  
89 0.0 35.7 53.5#

