

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111023\  
 Data File : VY016306.D  
 Acq On : 10 Nov 2023 14:22  
 Operator : SY/MD  
 Sample : 05351-03  
 Misc : 5.01 g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11985

Quant Time: Nov 10 22:21:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

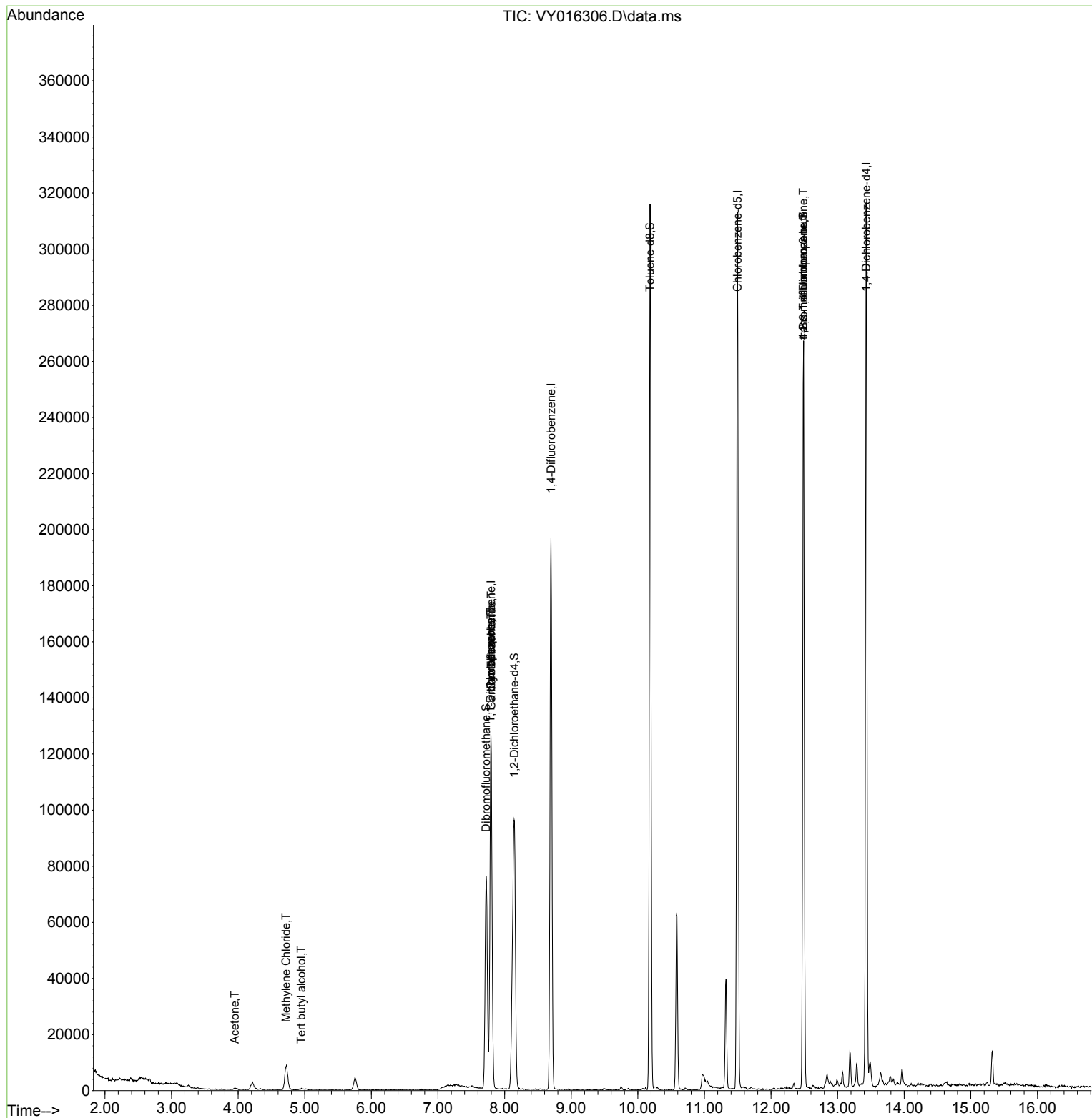
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 98261               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 175570              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 171174              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 80597               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 63513               | 70.722  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 141.440% |         |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 54784               | 54.930  | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.860% |         |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 206156              | 50.973  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 101.940% |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 75181               | 57.234  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 114.460% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.948          | 59   | 475                 | 6.754   | ug/l # | 89       |
| 16) Acetone                   | 3.948          | 43   | 916                 | 6.166   | ug/l # | 82       |
| 20) Methylene Chloride        | 4.716          | 84   | 6993                | 3.421   | ug/l # | 84       |
| 31) Cyclohexane               | 7.795          | 56   | 1915                | 1.083   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 7754                | 4.477   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 9755                | 5.427   | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 39147               | 50.633  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 39147               | 109.902 | ug/l # | 11       |
| -----                         |                |      |                     |         |        |          |

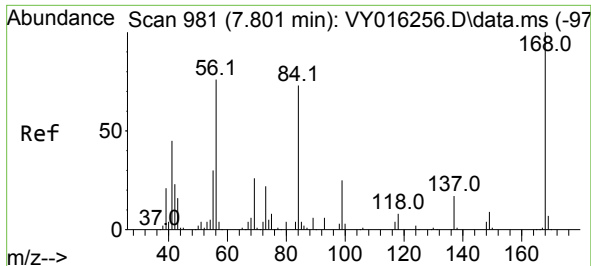
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111023\  
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72-11985

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QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration

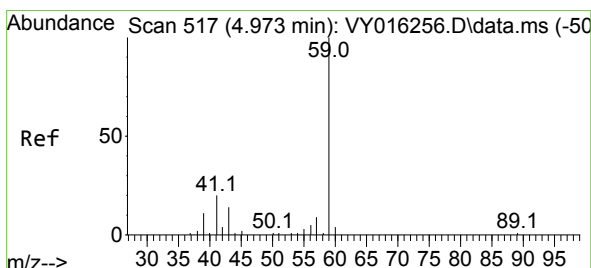
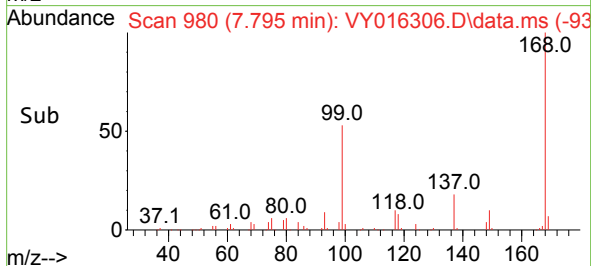
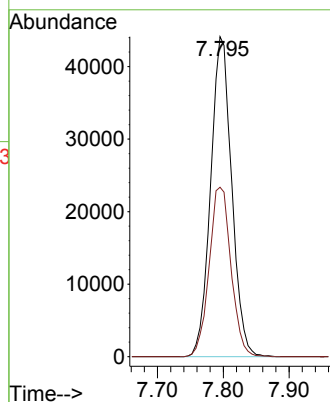
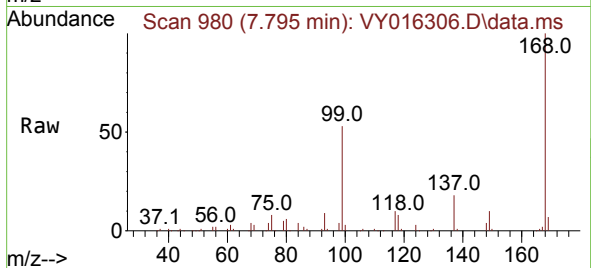




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

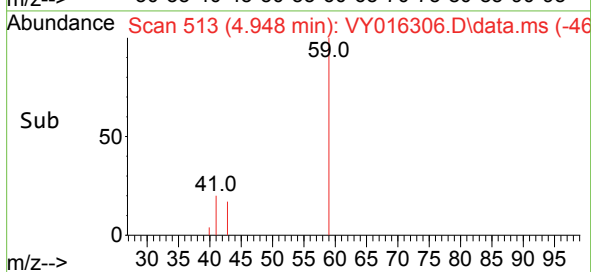
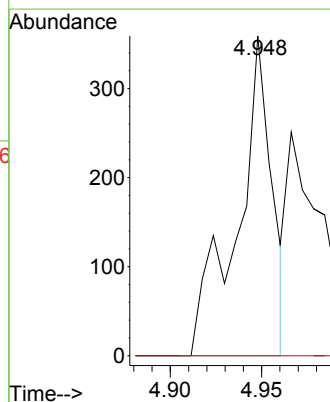
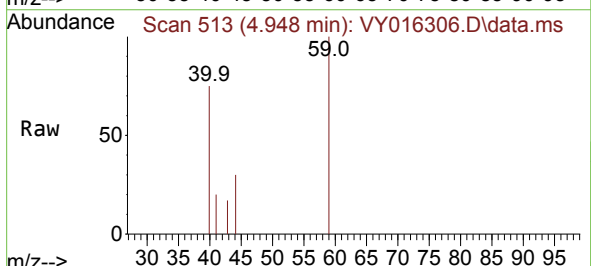
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11985

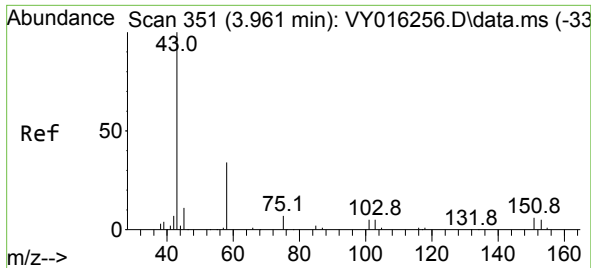
Tgt Ion:168 Resp: 98261  
Ion Ratio Lower Upper  
168 100  
99 53.0 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 6.754 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.025 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

Tgt Ion: 59 Resp: 475  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#





#16

Acetone

Concen: 6.166 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

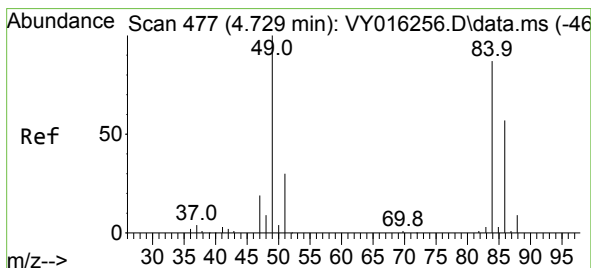
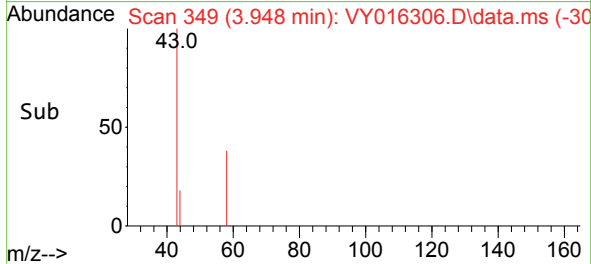
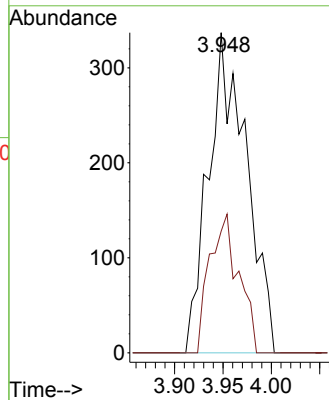
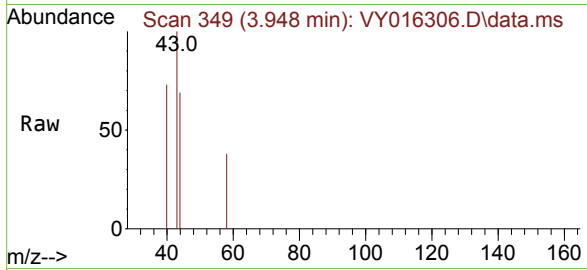
72-11985

Tgt Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

58 38.0 22.7 34.1#



#20

Methylene Chloride

Concen: 3.421 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.013 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

Tgt Ion: 84 Resp: 6993

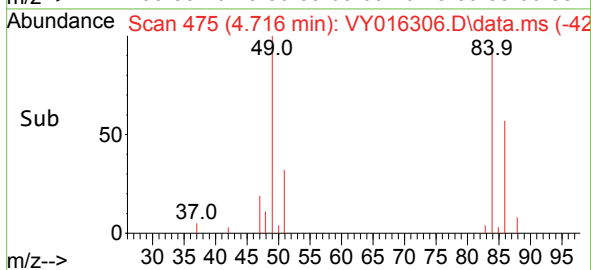
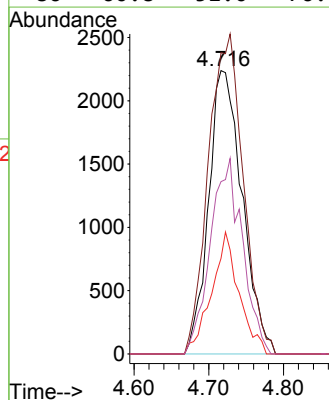
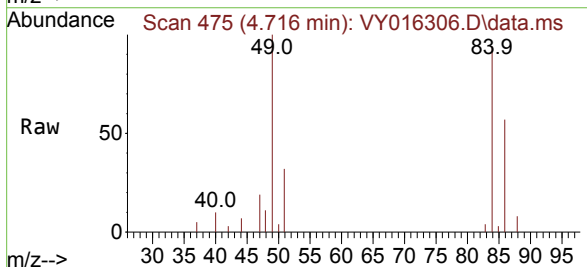
Ion Ratio Lower Upper

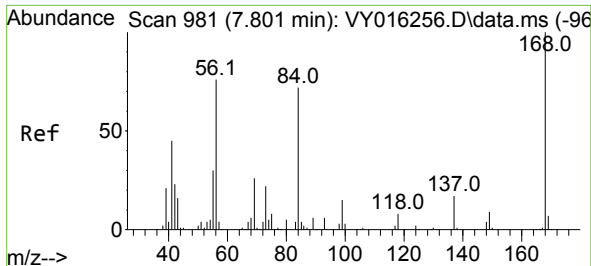
84 100

49 106.3 106.9 160.3#

51 33.7 33.2 49.8

86 60.8 51.0 76.6

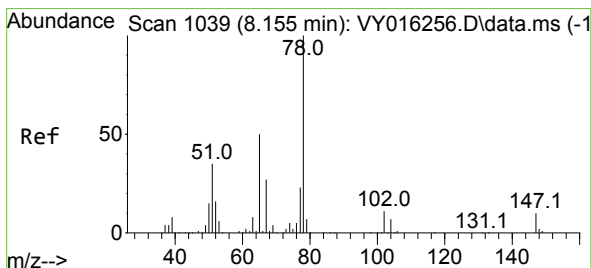
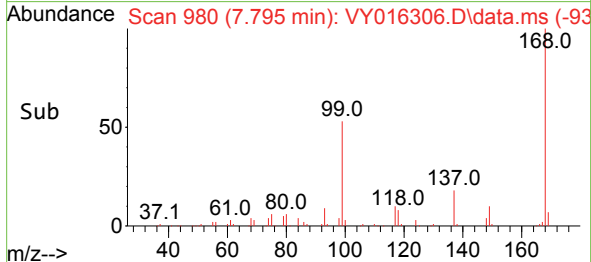
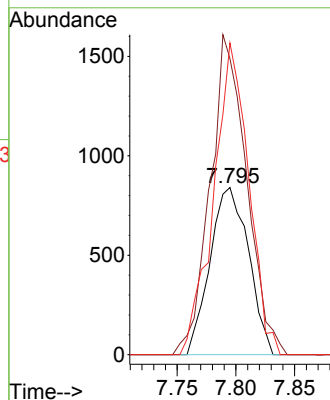
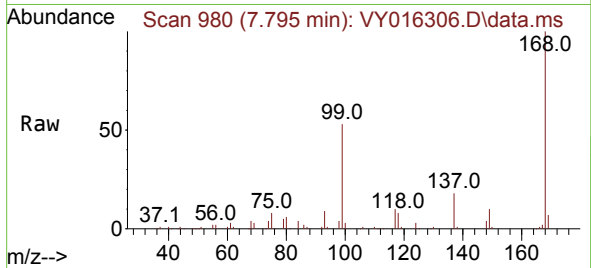




#31  
Cyclohexane  
Concen: 1.083 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

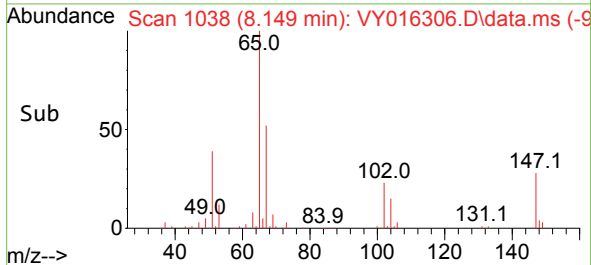
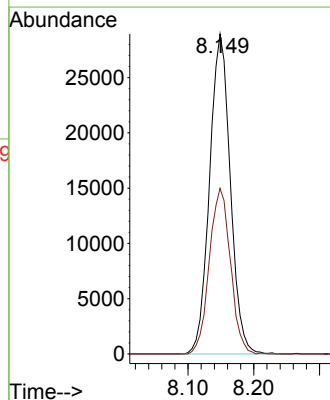
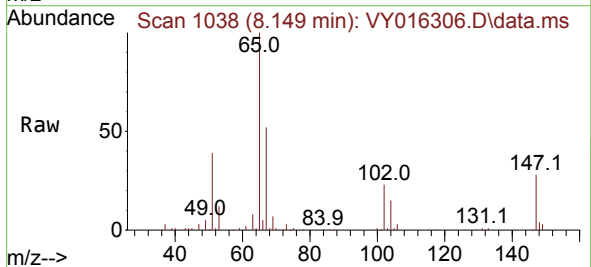
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11985

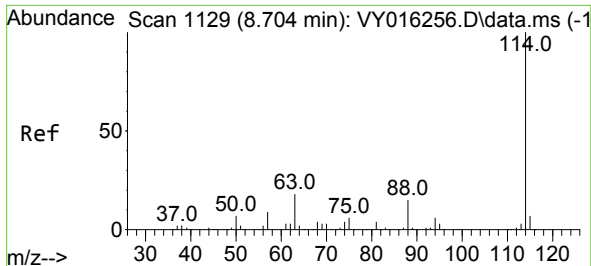
Tgt Ion: 56 Resp: 1915  
Ion Ratio Lower Upper  
56 100  
69 170.6 27.8 41.6#  
84 186.3 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 70.722 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

Tgt Ion: 65 Resp: 63513  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

72-11985

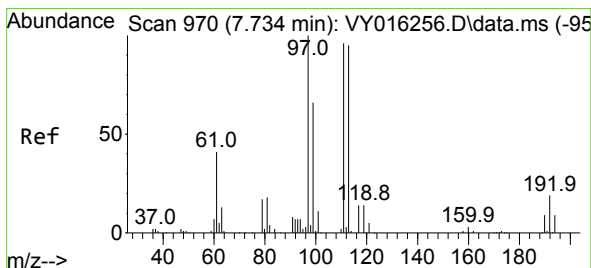
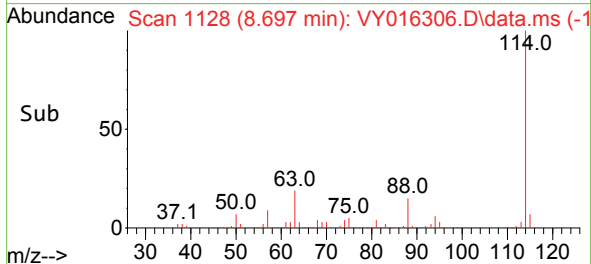
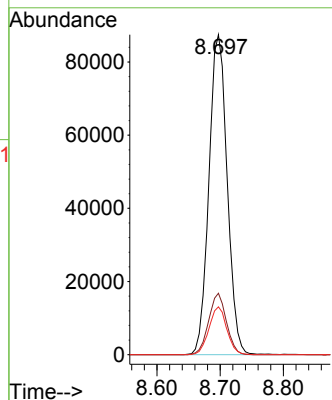
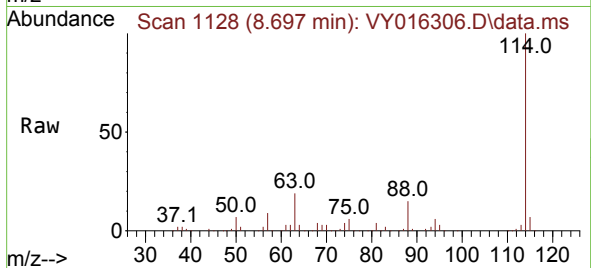
Tgt Ion:114 Resp: 175570

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.930 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

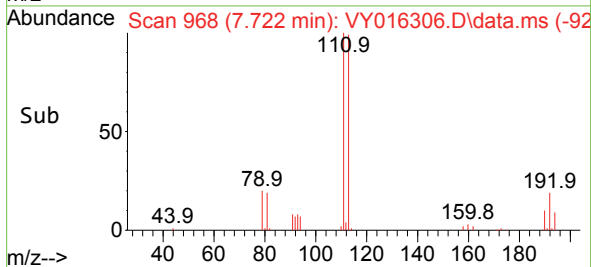
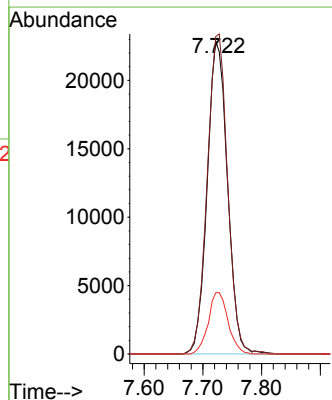
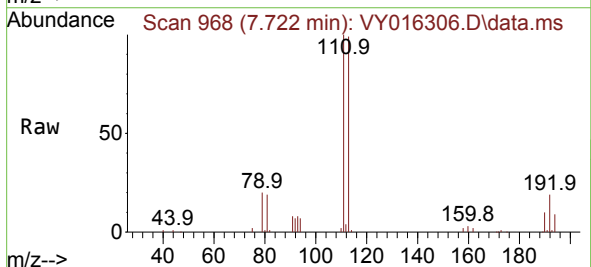
Tgt Ion:113 Resp: 54784

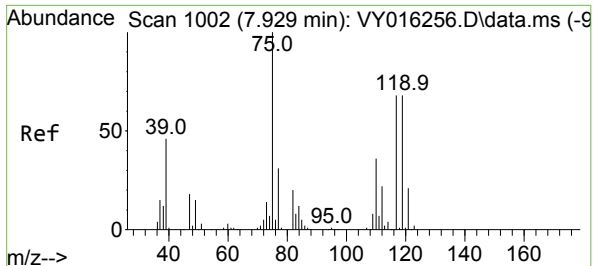
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

72-11985

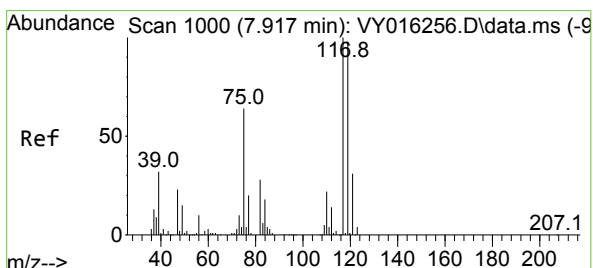
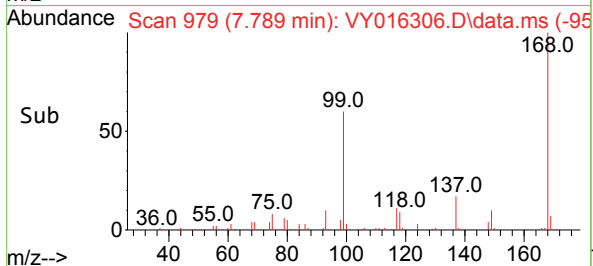
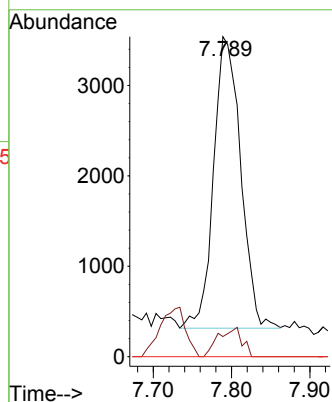
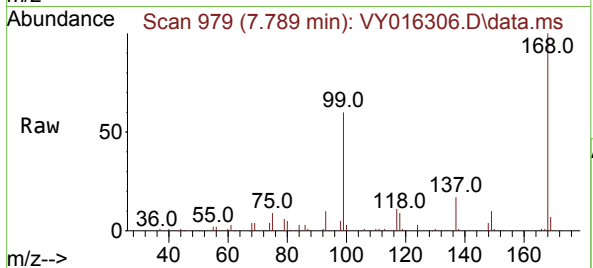
Tgt Ion: 75 Resp: 7754

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.427 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

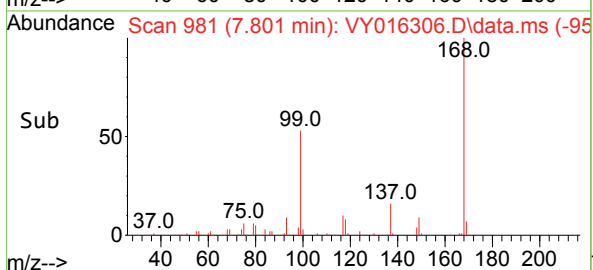
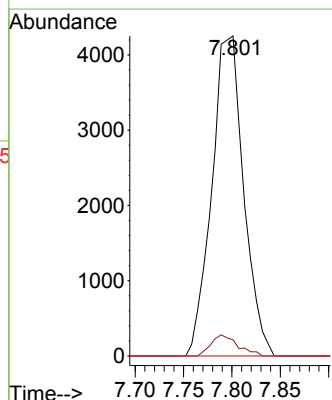
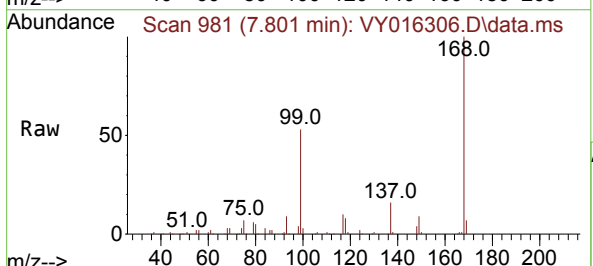
Tgt Ion: 117 Resp: 9755

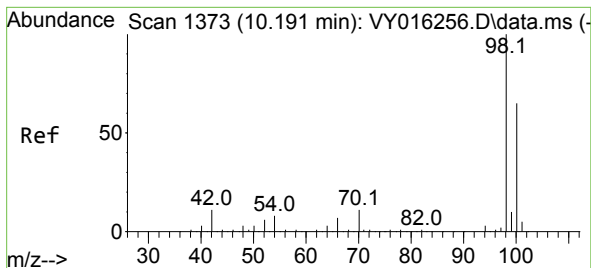
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.973 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

Instrument :

MSVOA\_Y

ClientSampleId :

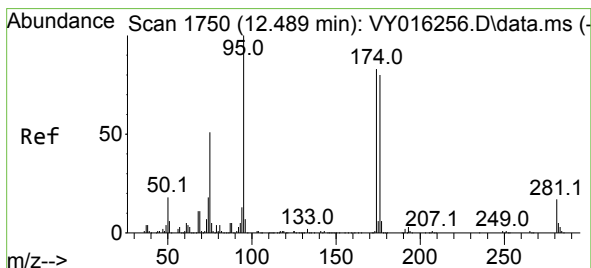
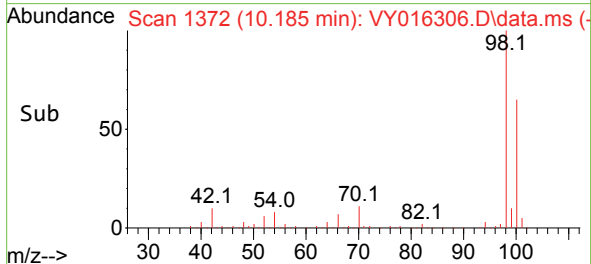
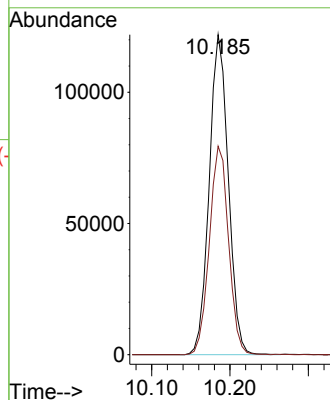
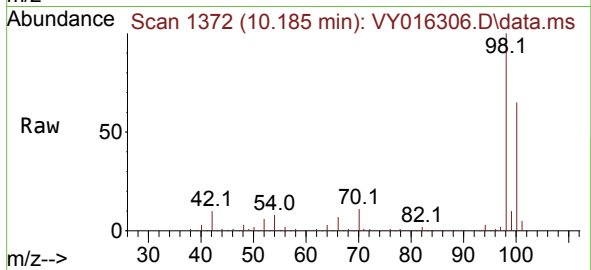
72-11985

Tgt Ion: 98 Resp: 206156

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 57.234 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY016306.D

Acq: 10 Nov 2023 14:22

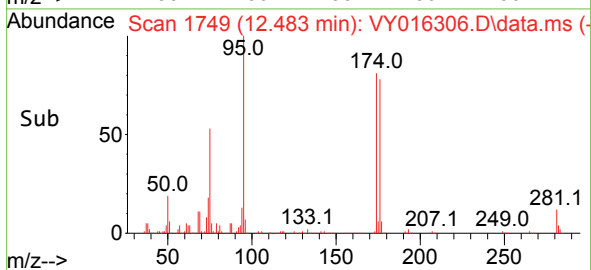
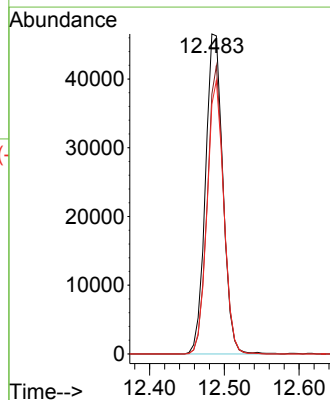
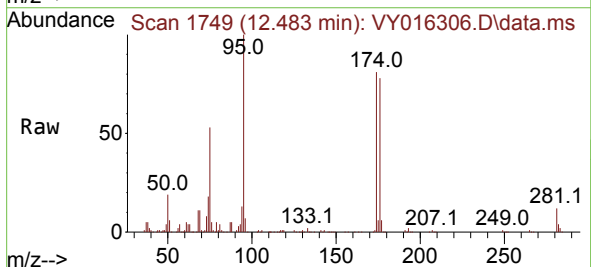
Tgt Ion: 95 Resp: 75181

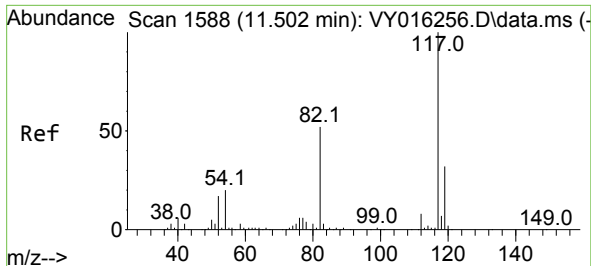
Ion Ratio Lower Upper

95 100

174 84.1 0.0 178.2

176 81.7 0.0 173.8

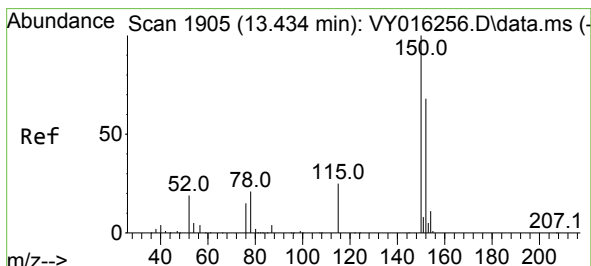
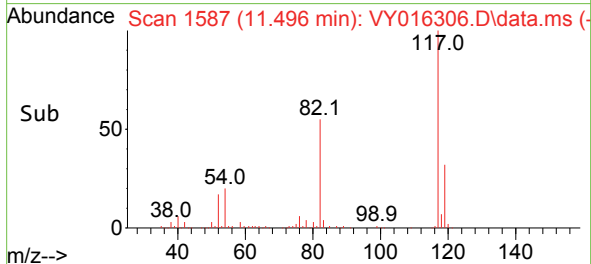
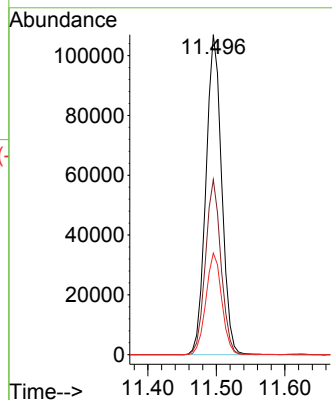
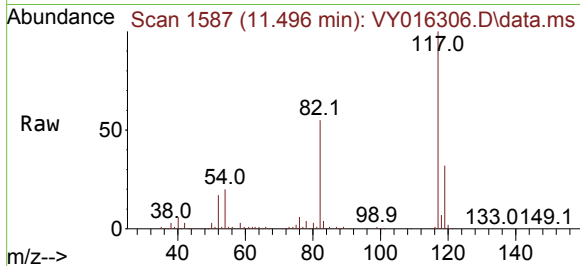




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

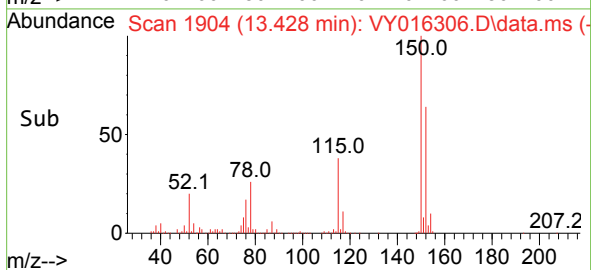
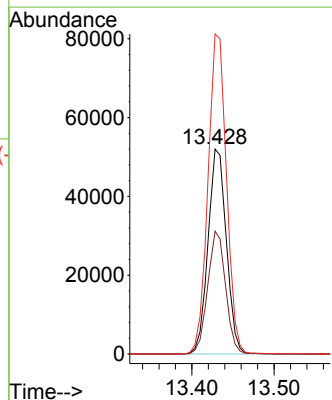
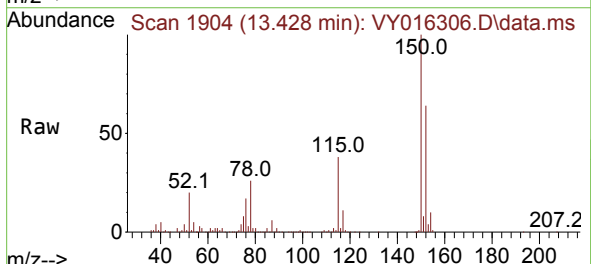
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11985

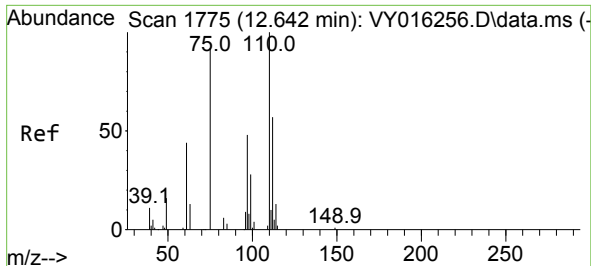
Tgt Ion:117 Resp: 171174  
Ion Ratio Lower Upper  
117 100  
82 54.7 43.4 65.0  
119 31.8 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

Tgt Ion:152 Resp: 80597  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.8 86.5  
150 157.4 0.0 348.8

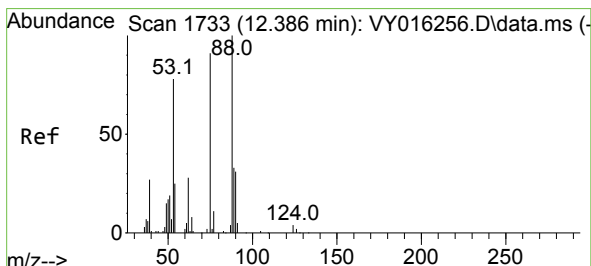
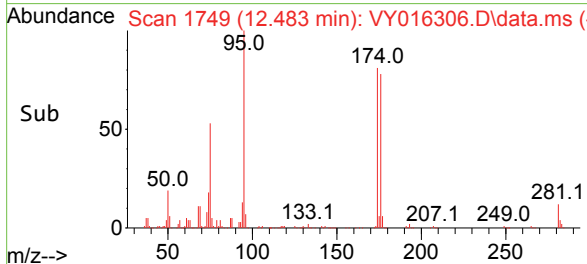
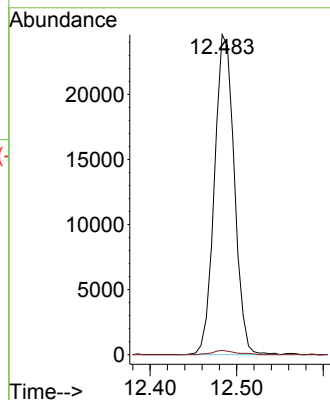
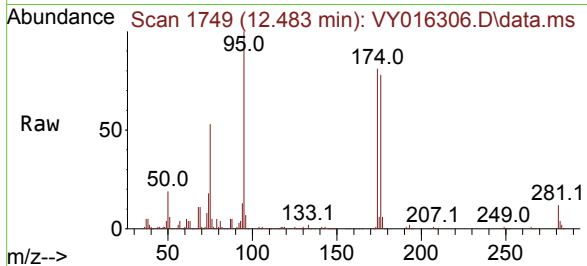




#76  
1,2,3-Trichloropropane  
Concen: 50.633 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.159 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11985

Tgt Ion: 75 Resp: 39147  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.902 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.097 min  
Lab File: VY016306.D  
Acq: 10 Nov 2023 14:22

Tgt Ion: 75 Resp: 39147  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.2 37.4 56.0#

