

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020725\  
 Data File : VY021141.D  
 Acq On : 07 Feb 2025 15:49  
 Operator : SY/MD  
 Sample : Q1309-15  
 Misc : 6.37g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-5-VOC

Quant Time: Feb 08 02:42:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

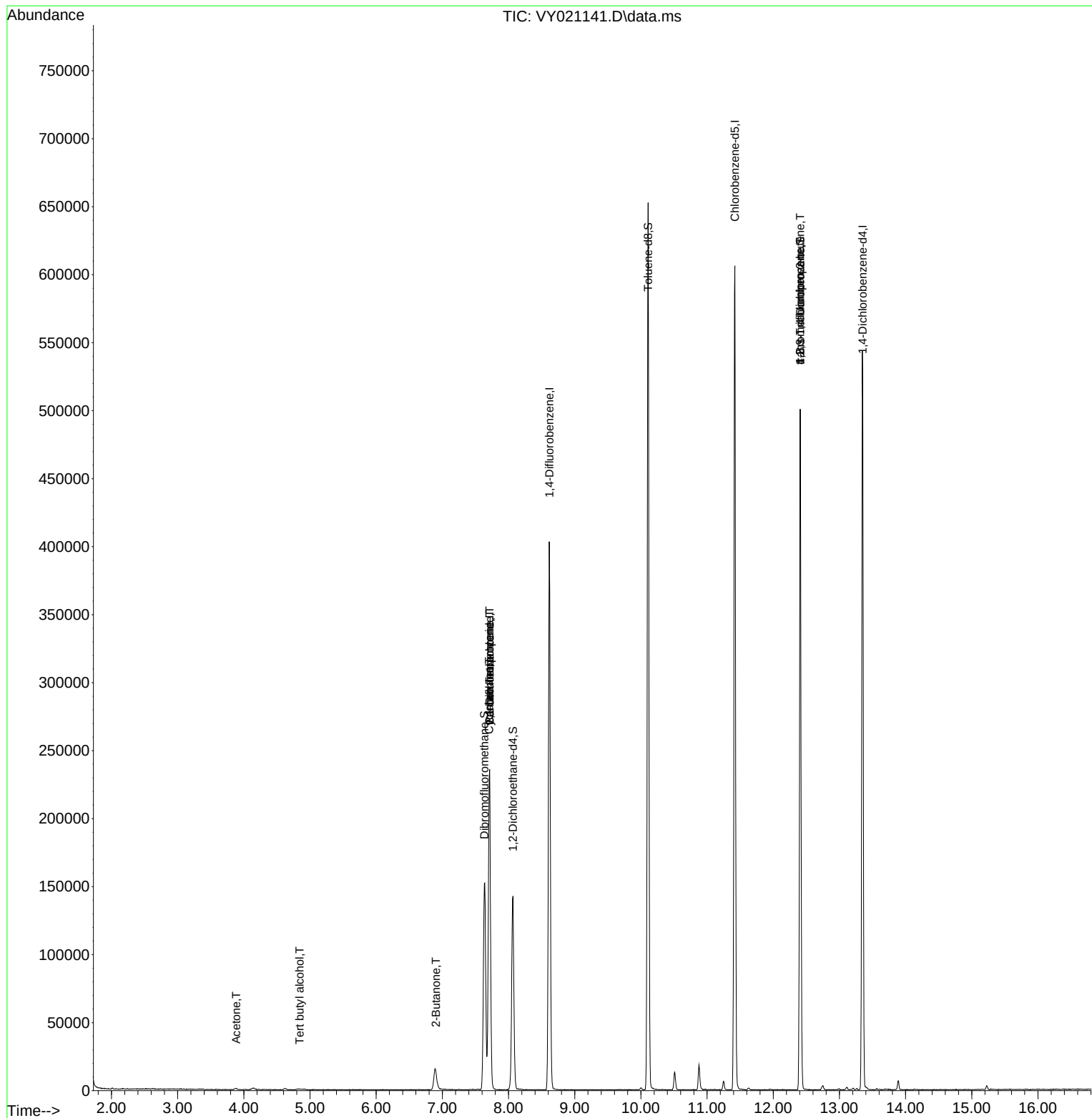
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 179562   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 333293   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 316549   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353    | 152   | 132733   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067     | 65    | 112671   | 61.242   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 122.480% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 109972   | 51.486   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 102.980% |          |
| 50) Toluene-d8                | 10.109    | 98    | 407320   | 50.090   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 100.180% |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 140765   | 52.987   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 105.980% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.842     | 59    | 367      | 2.944    | ug/l #     | 75       |
| 16) Acetone                   | 3.885     | 43    | 1803     | 6.284    | ug/l       | 99       |
| 25) 2-Butanone                | 6.903     | 43    | 1009     | 2.140    | ug/l #     | 48       |
| 31) Cyclohexane               | 7.707     | 56    | 4181     | 1.332    | ug/l #     | 23       |
| 36) 1,1-Dichloropropene       | 7.713     | 75    | 14693    | 4.644    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 18730    | 5.067    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 76260    | 63.336   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 76260    | 129.236  | ug/l #     | 12       |
| -----                         |           |       |          |          |            |          |

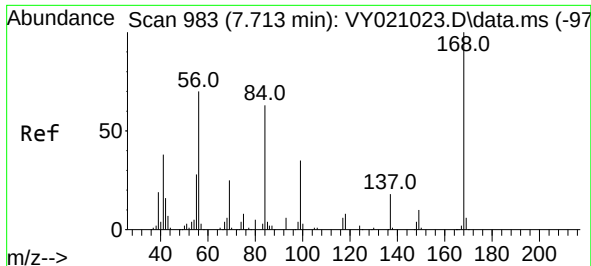
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

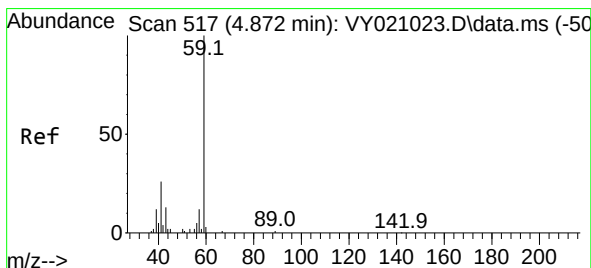
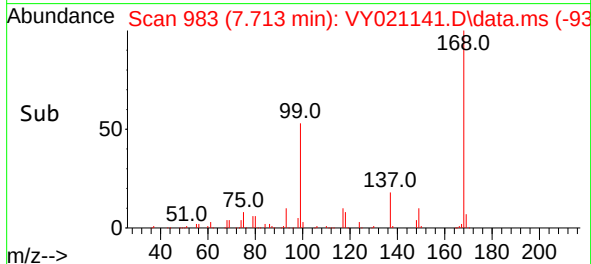
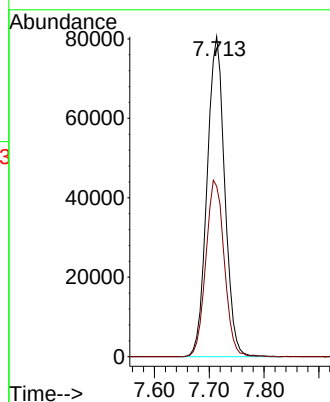
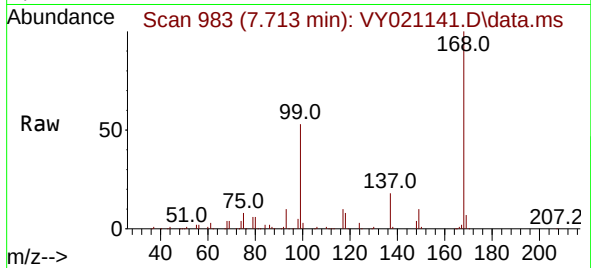




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

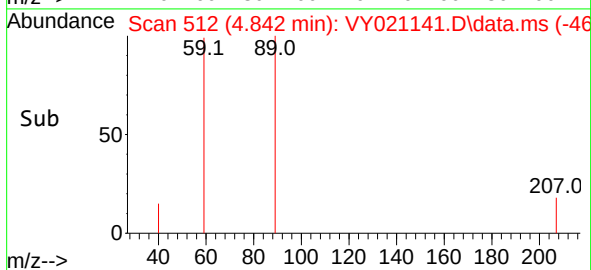
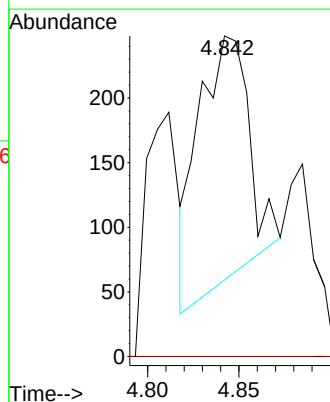
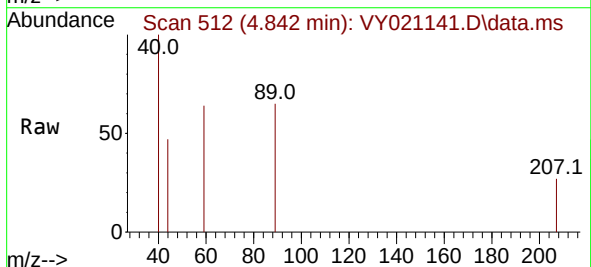
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-5-VOC

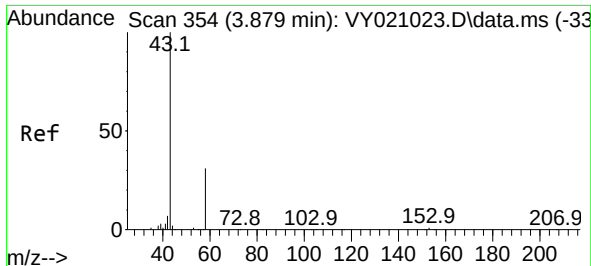
Tgt Ion:168 Resp: 179562  
Ion Ratio Lower Upper  
168 100  
99 53.3 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 2.944 ug/l  
RT: 4.842 min Scan# 512  
Delta R.T. -0.030 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

Tgt Ion: 59 Resp: 367  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#

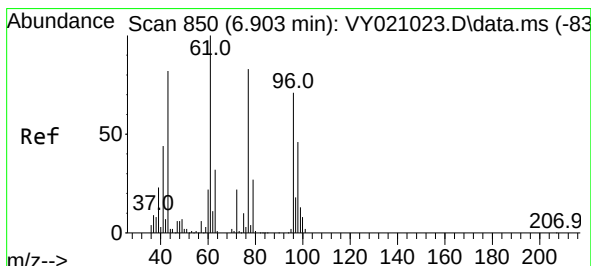
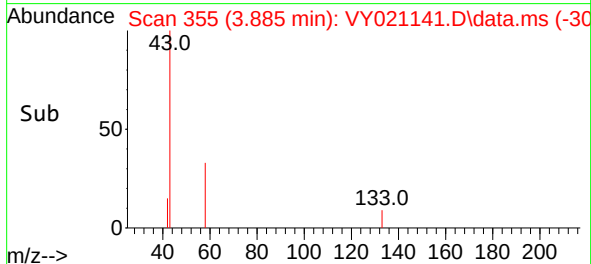
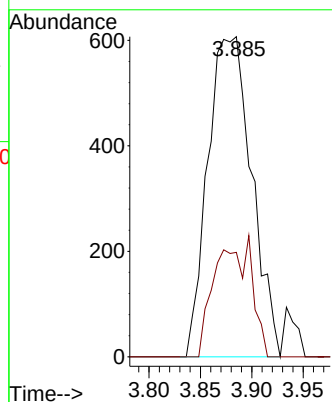
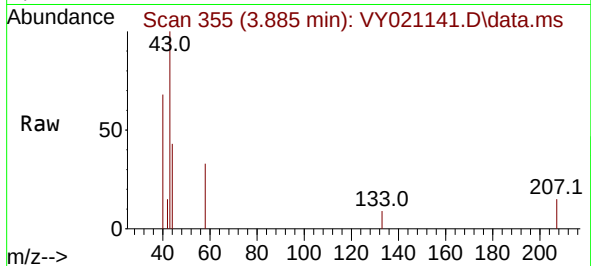




#16  
Acetone  
Concen: 6.284 ug/l  
RT: 3.885 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

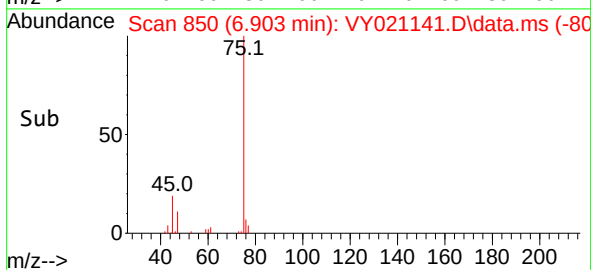
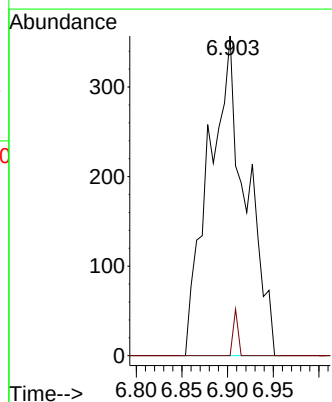
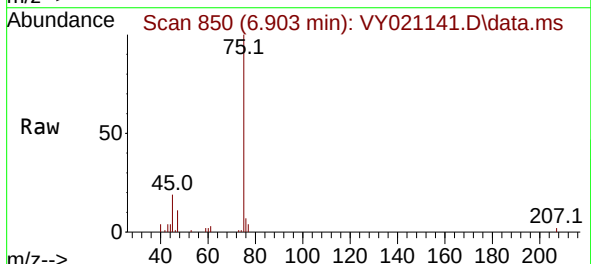
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-5-VOC

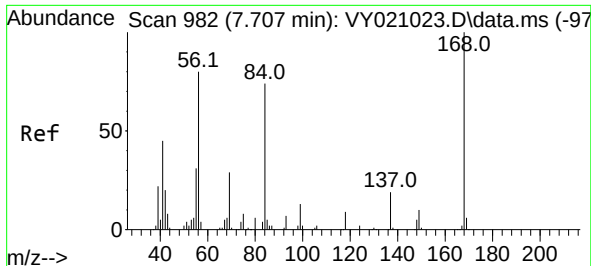
Tgt Ion: 43 Resp: 1803  
Ion Ratio Lower Upper  
43 100  
58 32.6 26.6 39.8



#25  
2-Butanone  
Concen: 2.140 ug/l  
RT: 6.903 min Scan# 850  
Delta R.T. 0.000 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

Tgt Ion: 43 Resp: 1009  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#

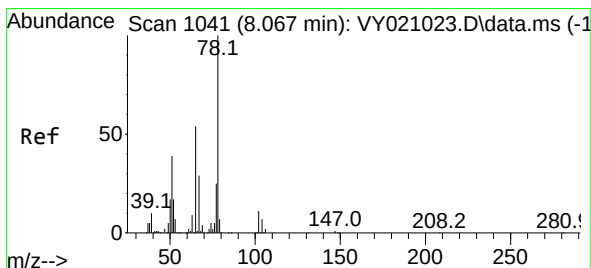
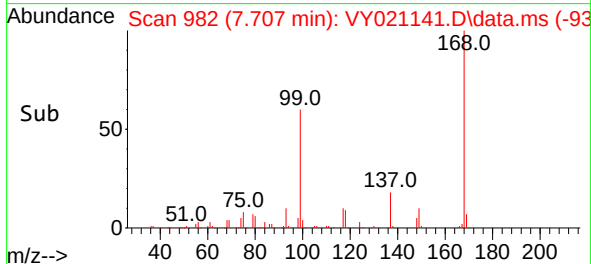
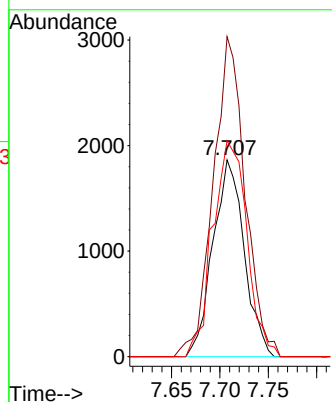
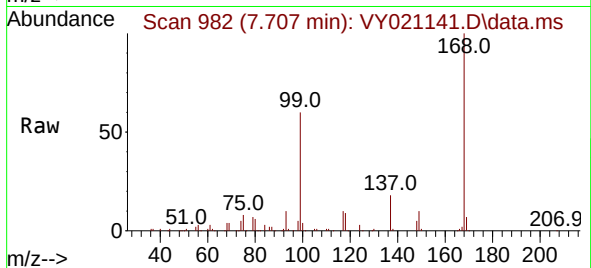




#31  
Cyclohexane  
Concen: 1.332 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

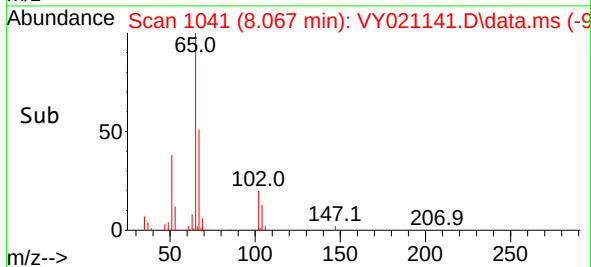
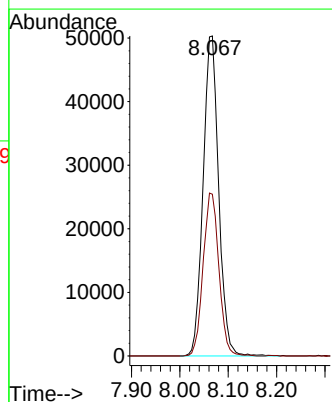
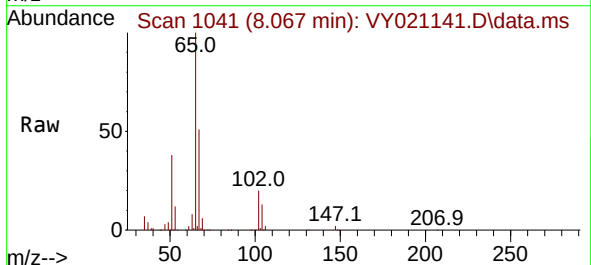
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-5-VOC

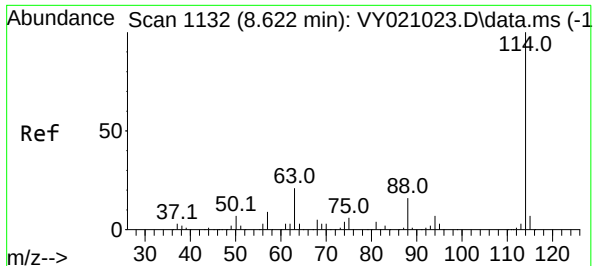
Tgt Ion: 56 Resp: 4181  
Ion Ratio Lower Upper  
56 100  
69 162.7 27.0 40.6#  
84 109.8 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 61.242 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.000 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

Tgt Ion: 65 Resp: 112671  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021141.D

Acq: 07 Feb 2025 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

WC-5-VOC

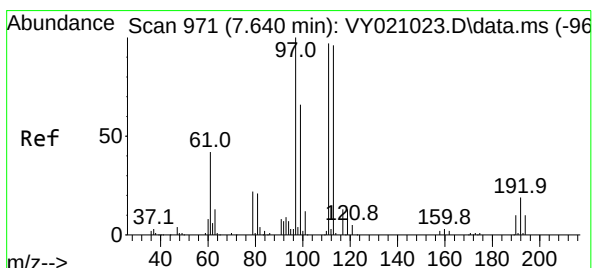
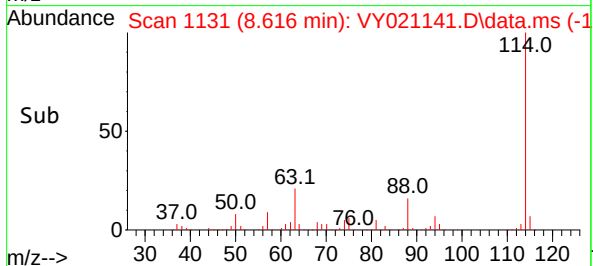
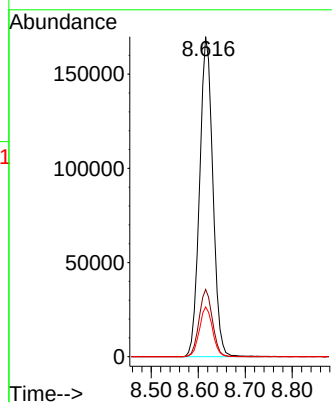
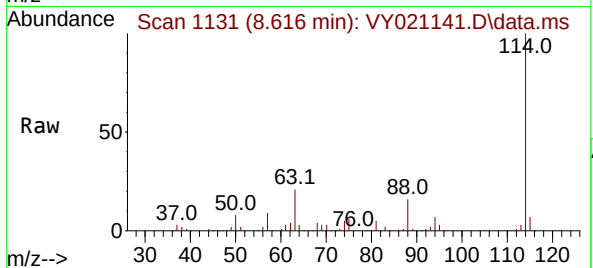
Tgt Ion:114 Resp: 333293

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.486 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021141.D

Acq: 07 Feb 2025 15:49

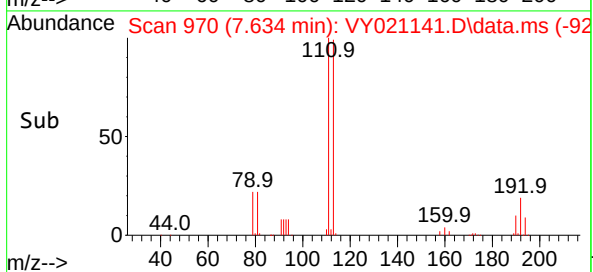
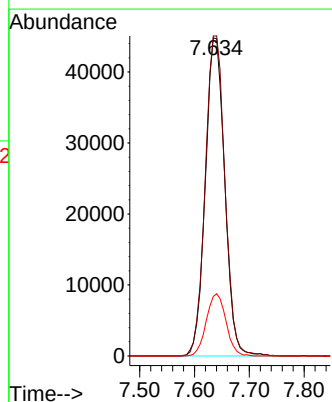
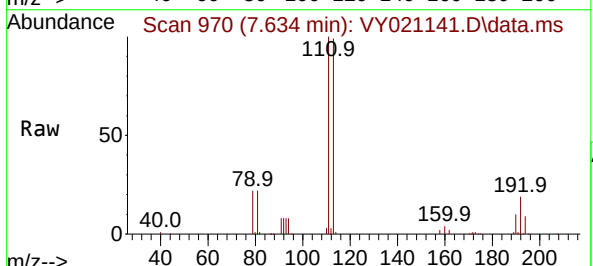
Tgt Ion:113 Resp: 109972

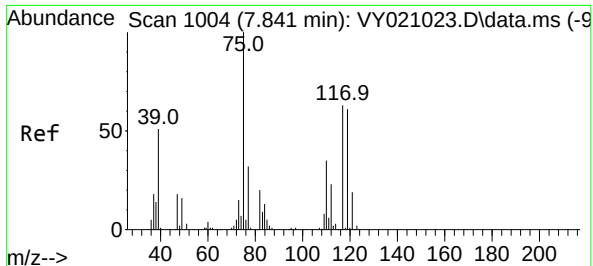
Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 19.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021141.D

Acq: 07 Feb 2025 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

WC-5-VOC

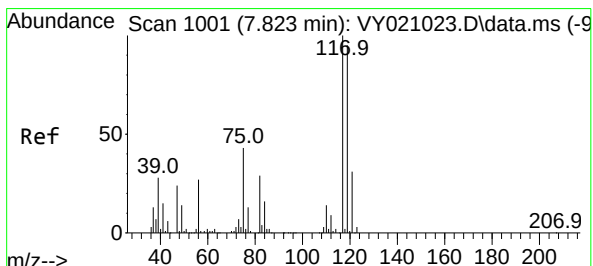
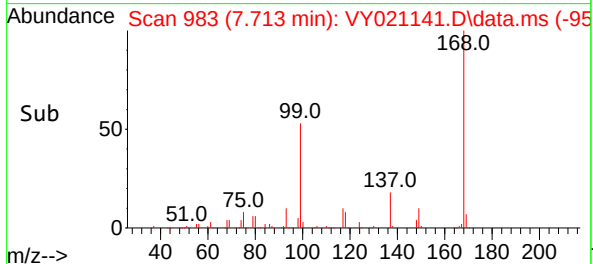
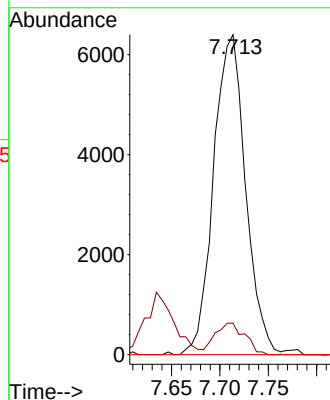
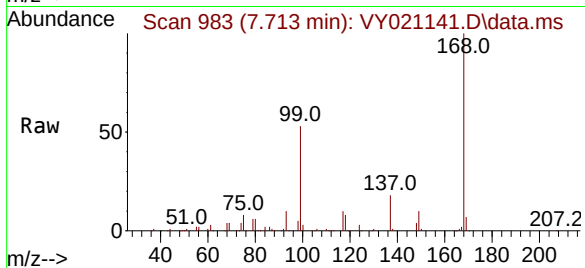
Tgt Ion: 75 Resp: 14693

Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.067 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021141.D

Acq: 07 Feb 2025 15:49

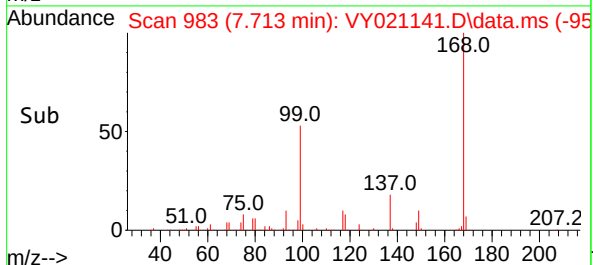
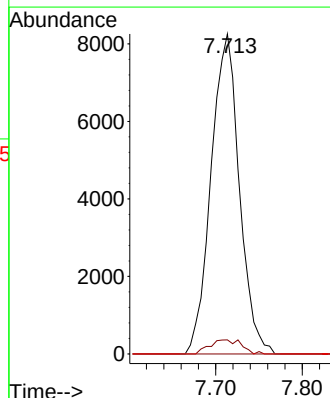
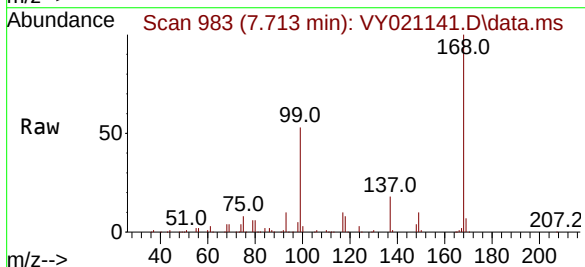
Tgt Ion: 117 Resp: 18730

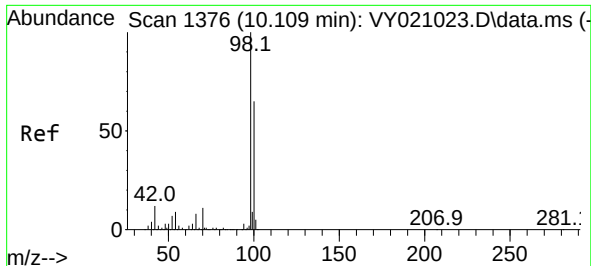
Ion Ratio Lower Upper

117 100

119 4.4 76.0 114.0#

121 0.0 24.2 36.2#

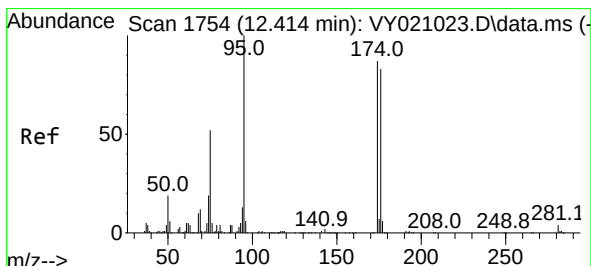
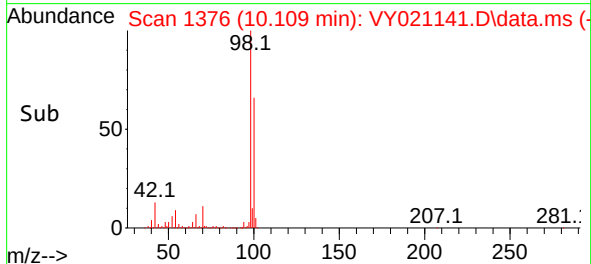
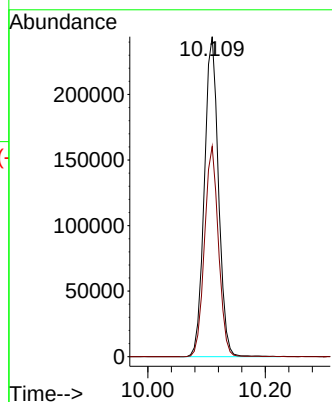
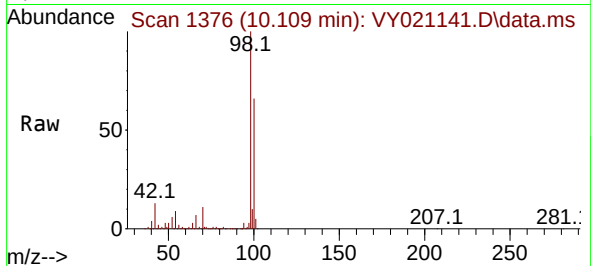




#50  
Toluene-d8  
Concen: 50.090 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

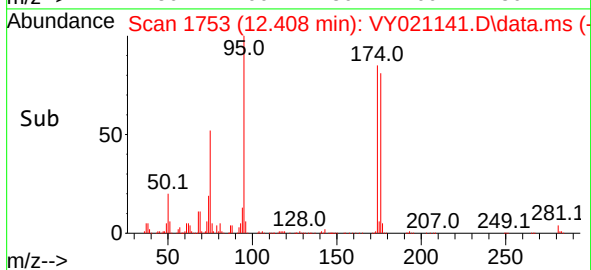
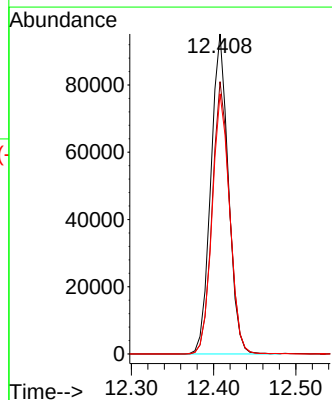
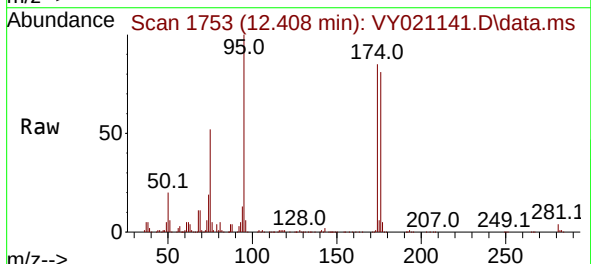
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-5-VOC

Tgt Ion: 98 Resp: 407320  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.3 78.5

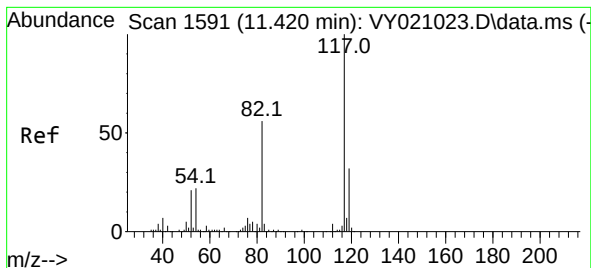


#62  
4-Bromofluorobenzene  
Concen: 52.987 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

Tgt Ion: 95 Resp: 140765  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 160.0  
176 81.6 0.0 151.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021141.D

Acq: 07 Feb 2025 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

WC-5-VOC

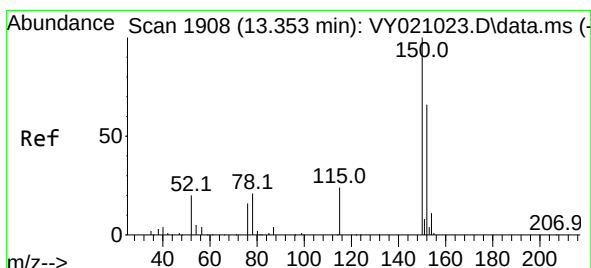
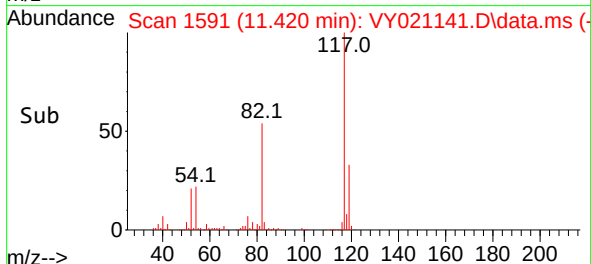
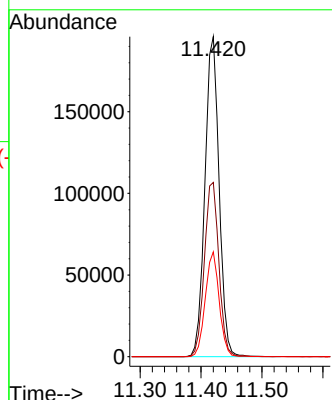
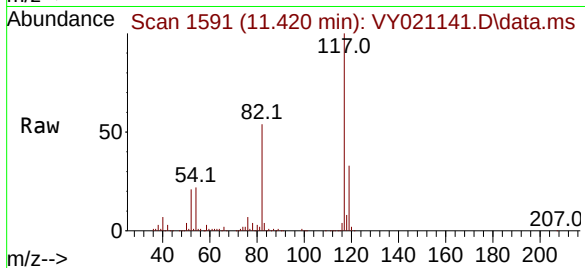
Tgt Ion:117 Resp: 316549

Ion Ratio Lower Upper

117 100

82 54.5 43.8 65.8

119 32.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021141.D

Acq: 07 Feb 2025 15:49

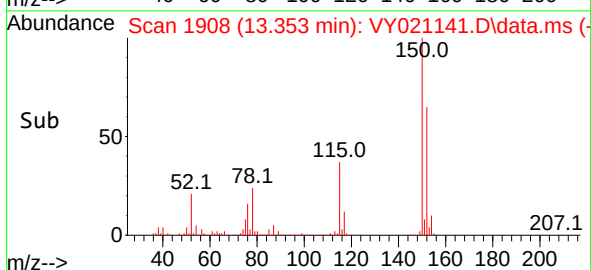
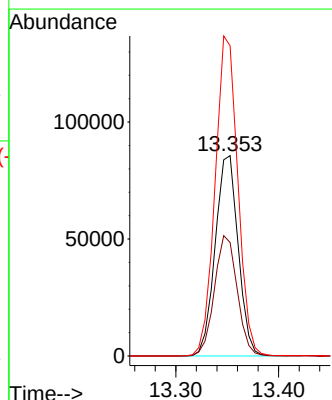
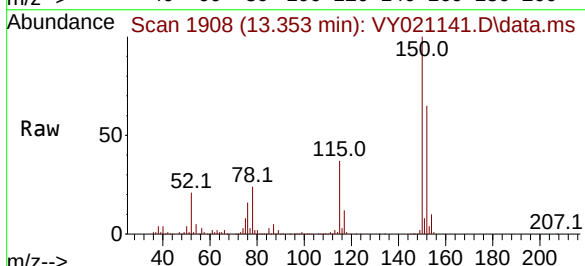
Tgt Ion:152 Resp: 132733

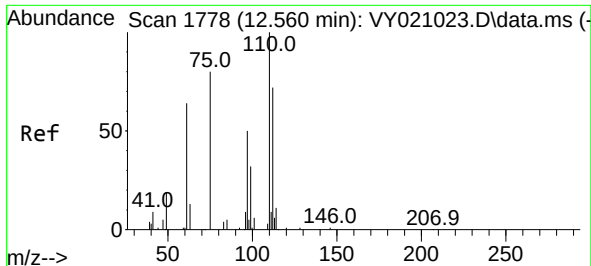
Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.0

150 158.1 0.0 344.6

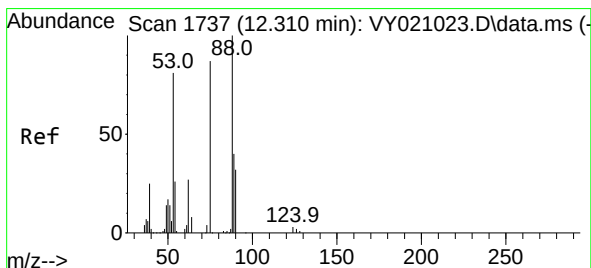
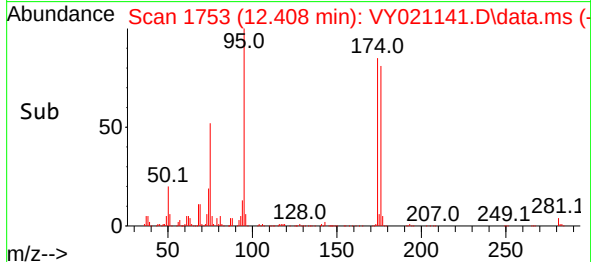
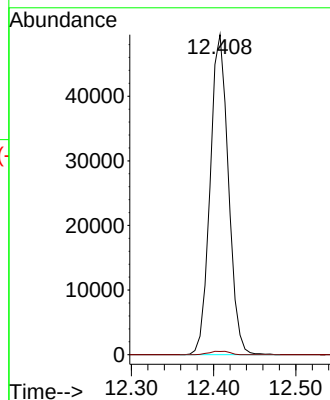
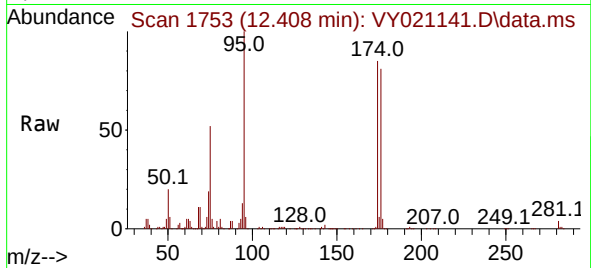




#76  
1,2,3-Trichloropropane  
Concen: 63.336 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-5-VOC

Tgt Ion: 75 Resp: 76260  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.236 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.098 min  
Lab File: VY021141.D  
Acq: 07 Feb 2025 15:49

Tgt Ion: 75 Resp: 76260  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#

