

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061022\  
 Data File : VN072764.D  
 Acq On : 10 Jun 2022 14:57  
 Operator : JC\MD  
 Sample : N3160-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

Quant Time: Jun 11 01:54:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 05:17:31 2022  
 Response via : Initial Calibration

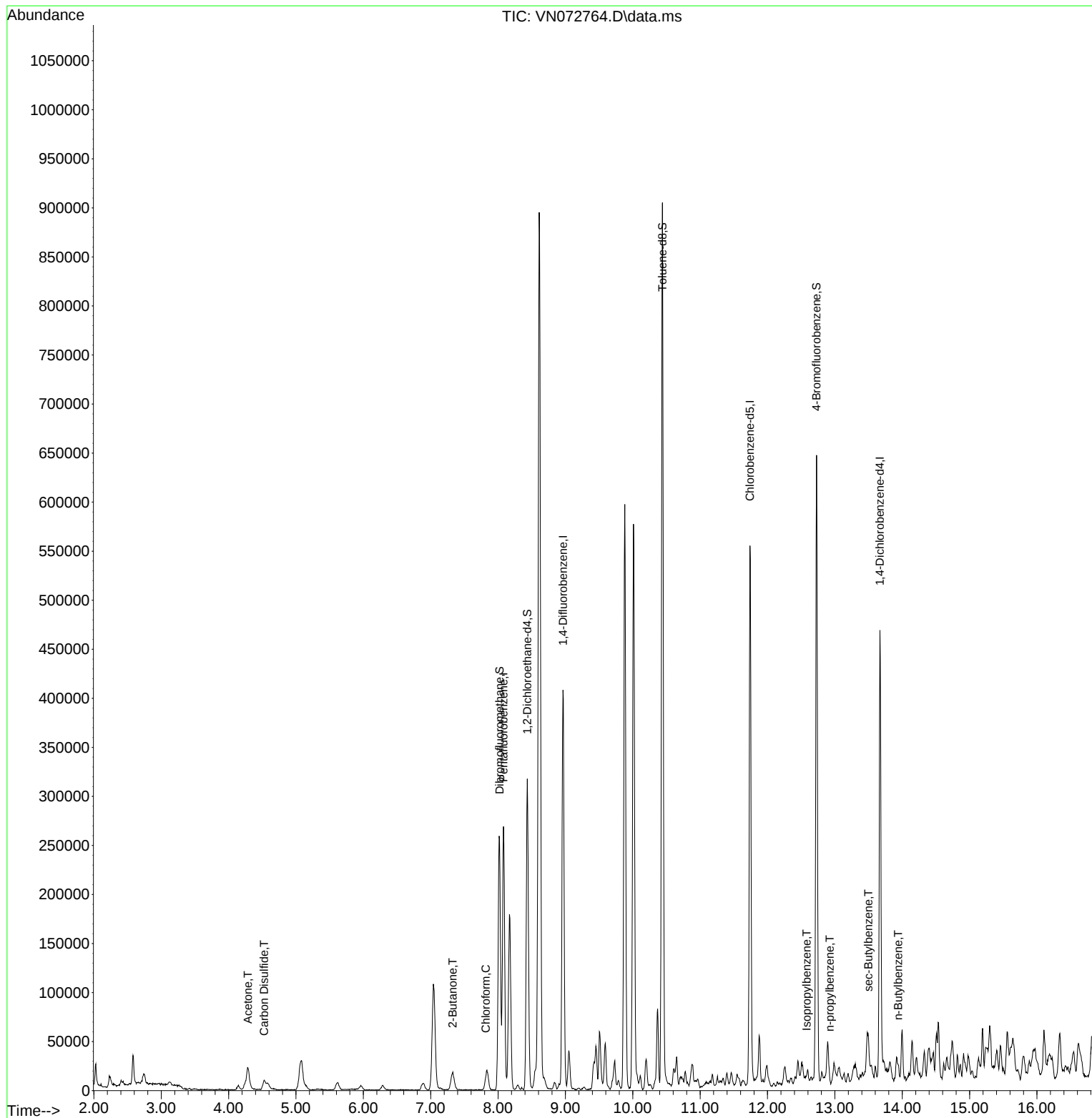
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.080     | 168   | 168432   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.963     | 114   | 336344   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.739    | 117   | 282587   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.668    | 152   | 105073   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.433     | 65    | 259179   | 57.333   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | = 114.660% |          |
| 35) Dibromofluoromethane    | 8.022     | 113   | 186479   | 56.032   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | = 112.060% |          |
| 50) Toluene-d8              | 10.439    | 98    | 583264   | 43.926   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | = 87.860%  |          |
| 62) 4-Bromofluorobenzene    | 12.727    | 95    | 219418   | 48.156   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | = 96.320%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.287     | 43    | 43056    | 19.877   | ug/l       | 93       |
| 17) Carbon Disulfide        | 4.528     | 76    | 19698    | 3.774    | ug/l       | 100      |
| 25) 2-Butanone              | 7.328     | 43    | 18895    | 5.423    | ug/l #     | 79       |
| 30) Chloroform              | 7.816     | 83    | 6391     | 1.038    | ug/l       | 93       |
| 73) Isopropylbenzene        | 12.580    | 105   | 3005     | 0.267    | ug/l       | 92       |
| 78) n-propylbenzene         | 12.921    | 91    | 4418     | 0.359    | ug/l       | 90       |
| 85) sec-Butylbenzene        | 13.498    | 105   | 19734    | 1.865    | ug/l #     | 52       |
| 89) n-Butylbenzene          | 13.939    | 91    | 9413     | 1.342    | ug/l #     | 73       |
| -----                       |           |       |          |          |            |          |

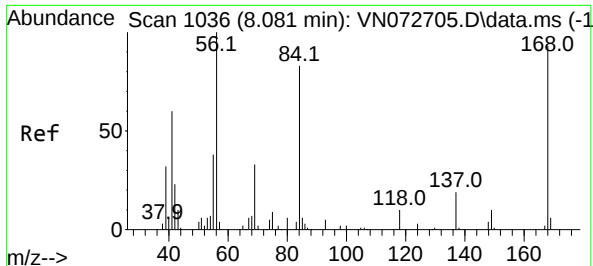
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 01:54:17 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060822W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 09 05:17:31 2022  
Response via : Initial Calibration

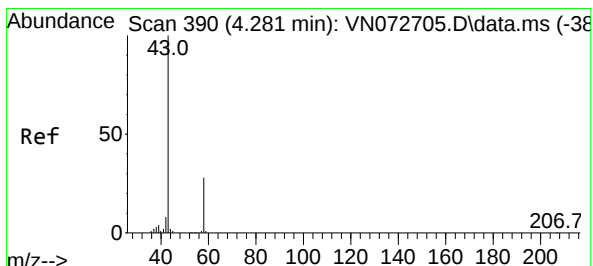
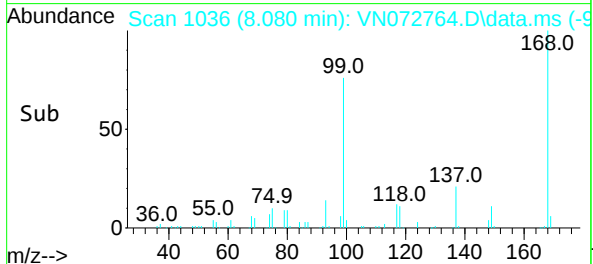
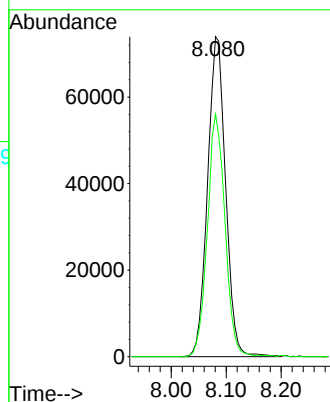
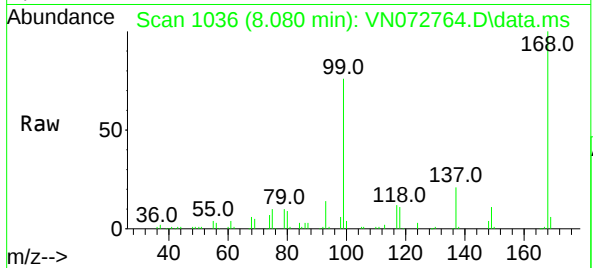




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

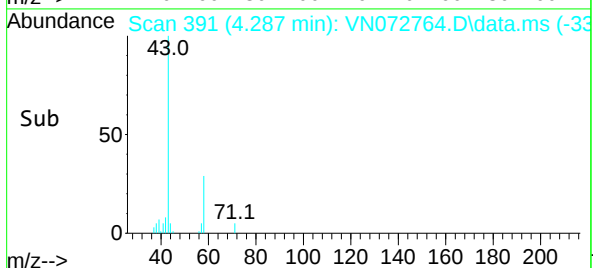
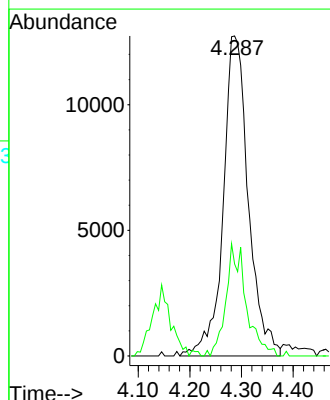
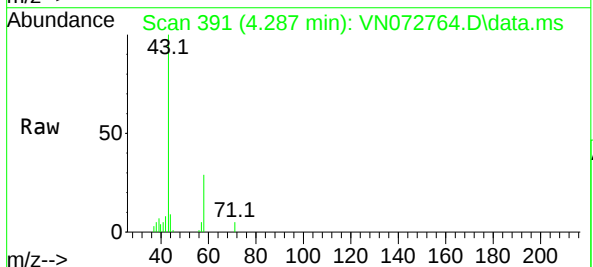
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

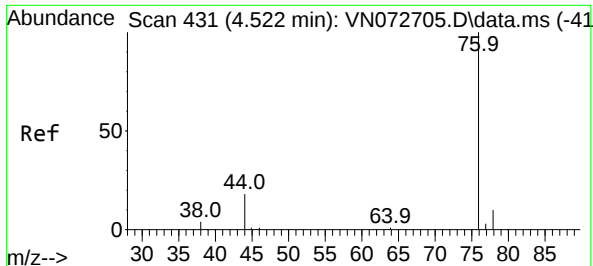
Tgt Ion:168 Resp: 168432  
Ion Ratio Lower Upper  
168 100  
99 75.8 42.3 63.5#



#16  
Acetone  
Concen: 19.877 ug/l  
RT: 4.287 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

Tgt Ion: 43 Resp: 43056  
Ion Ratio Lower Upper  
43 100  
58 28.7 26.0 39.0





#17

Carbon Disulfide

Concen: 3.774 ug/l

RT: 4.528 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN072764.D

Acq: 10 Jun 2022 14:57

Instrument :

MSVOA\_N

ClientSampleId :

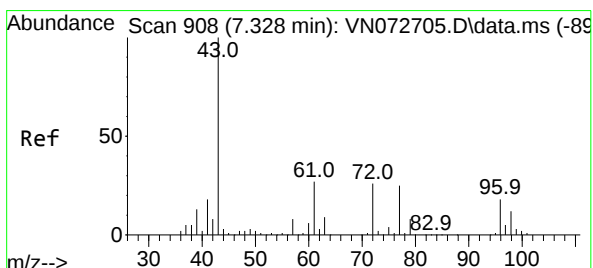
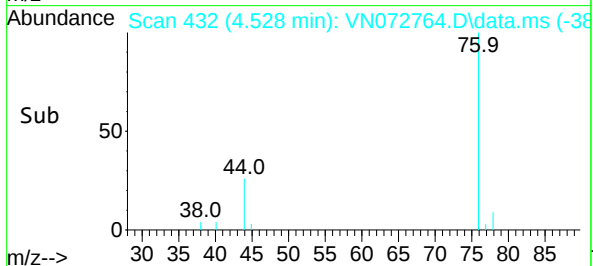
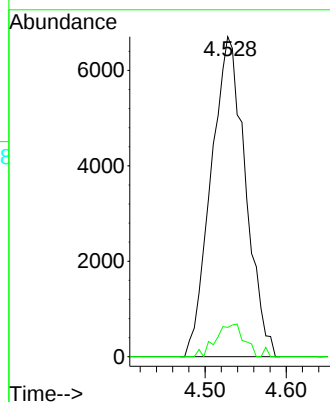
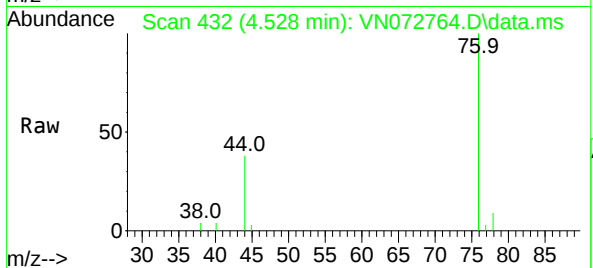
MW-2

Tgt Ion: 76 Resp: 19698

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



#25

2-Butanone

Concen: 5.423 ug/l

RT: 7.328 min Scan# 908

Delta R.T. -0.000 min

Lab File: VN072764.D

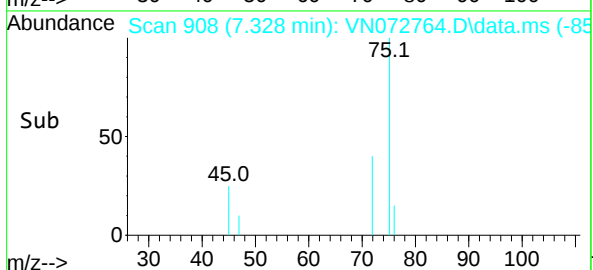
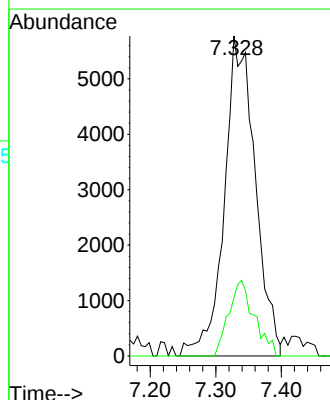
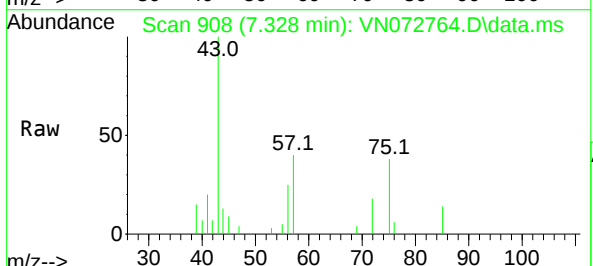
Acq: 10 Jun 2022 14:57

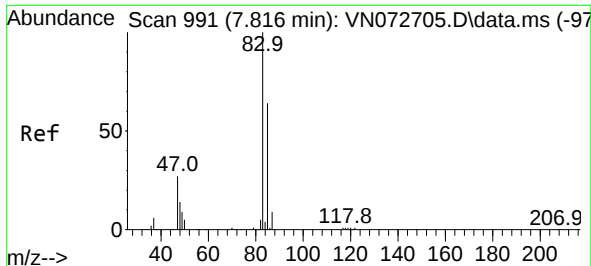
Tgt Ion: 43 Resp: 18895

Ion Ratio Lower Upper

43 100

72 18.4 23.7 35.5#

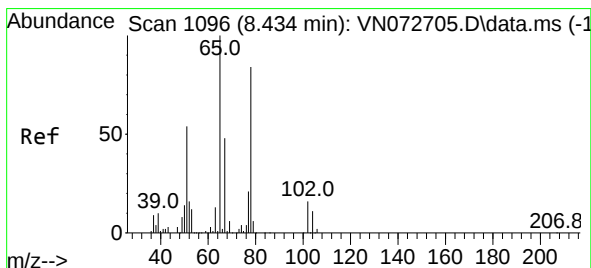
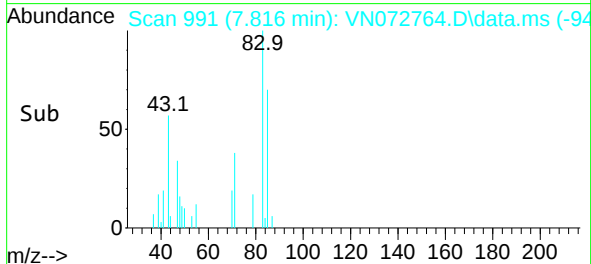
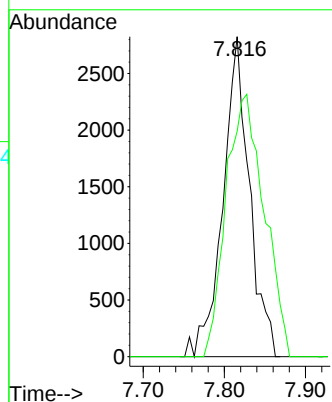
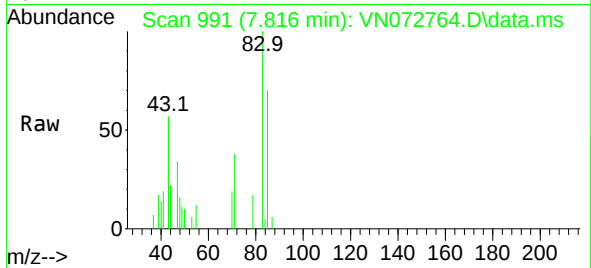




#30  
Chloroform  
Concen: 1.038 ug/l  
RT: 7.816 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

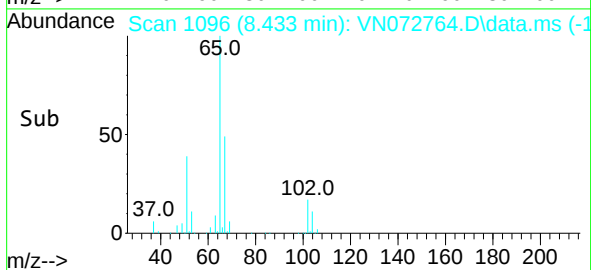
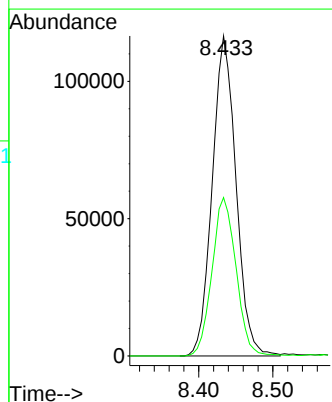
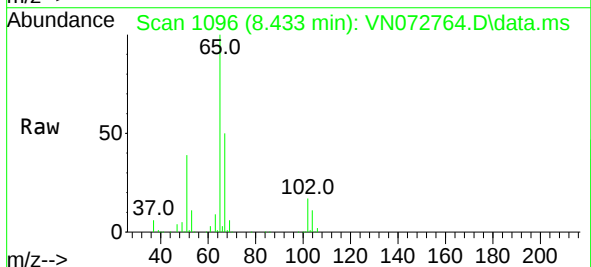
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

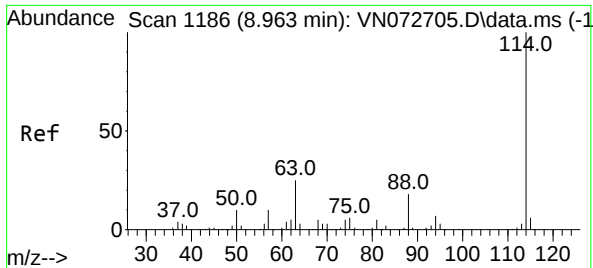
Tgt Ion: 83 Resp: 6391  
Ion Ratio Lower Upper  
83 100  
85 70.4 51.8 77.8



#33  
1,2-Dichloroethane-d4  
Concen: 57.333 ug/l  
RT: 8.433 min Scan# 1096  
Delta R.T. -0.001 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

Tgt Ion: 65 Resp: 259179  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072764.D

Acq: 10 Jun 2022 14:57

Instrument :

MSVOA\_N

ClientSampleId :

MW-2

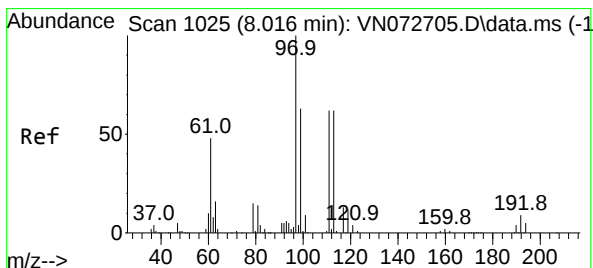
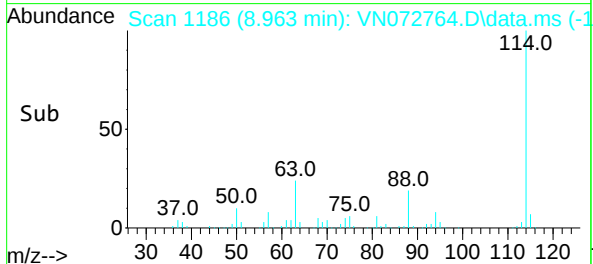
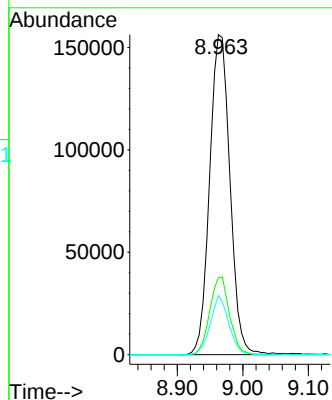
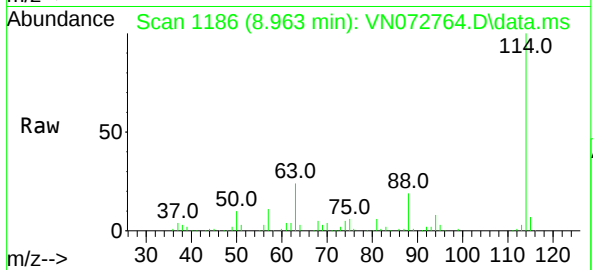
Tgt Ion:114 Resp: 336344

Ion Ratio Lower Upper

114 100

63 24.1 0.0 40.0

88 18.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.032 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072764.D

Acq: 10 Jun 2022 14:57

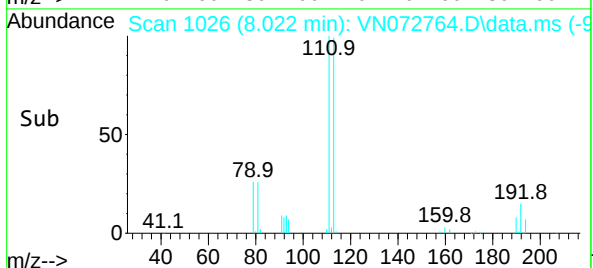
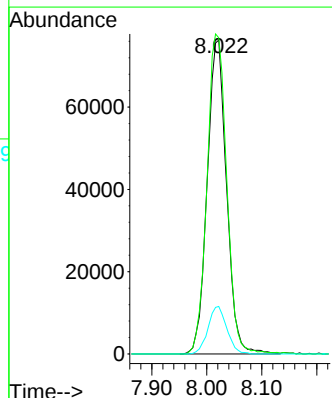
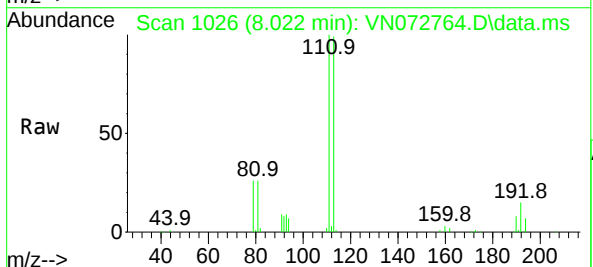
Tgt Ion:113 Resp: 186479

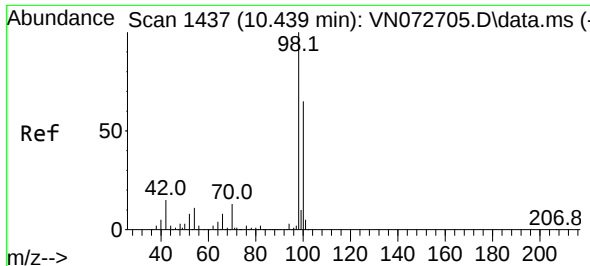
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 14.7 17.0 25.6#

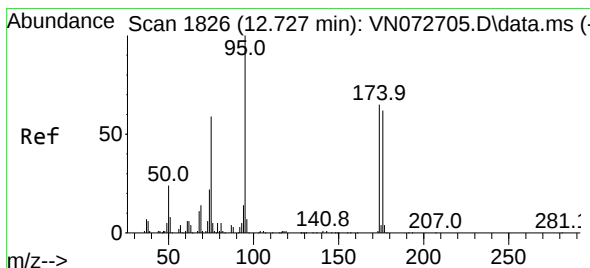
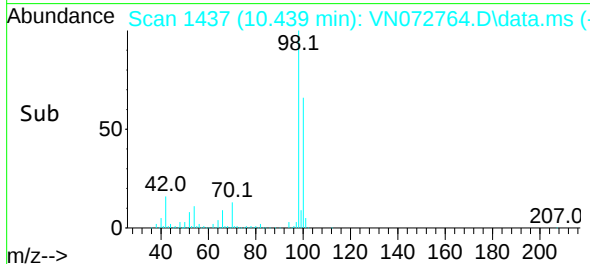
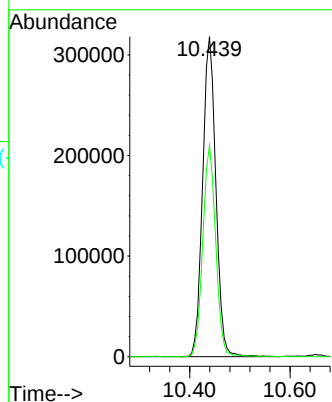
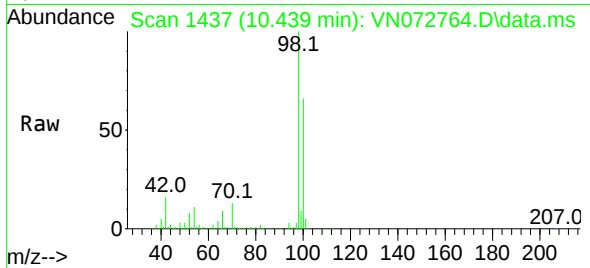




#50  
Toluene-d8  
Concen: 43.926 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

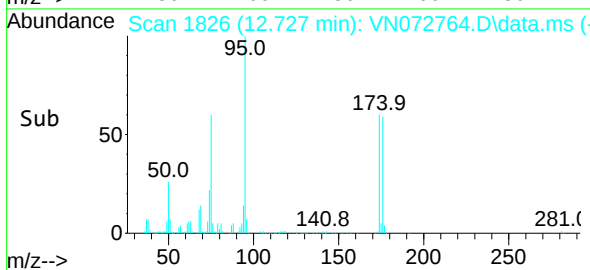
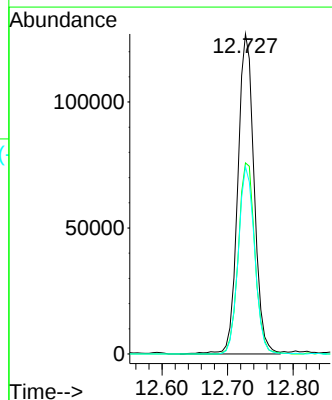
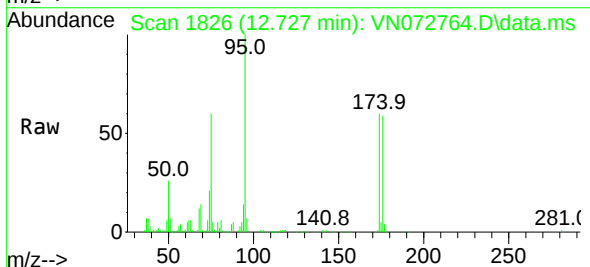
Instrument :  
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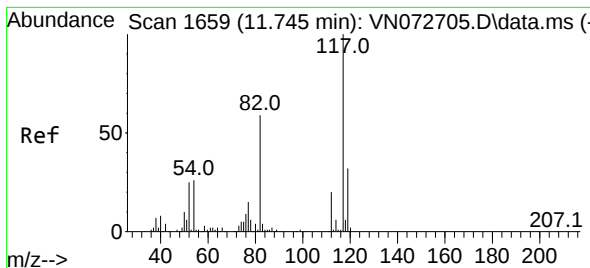
Tgt Ion: 98 Resp: 583264  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 48.156 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

Tgt Ion: 95 Resp: 219418  
Ion Ratio Lower Upper  
95 100  
174 60.6 0.0 167.6  
176 58.5 0.0 163.4

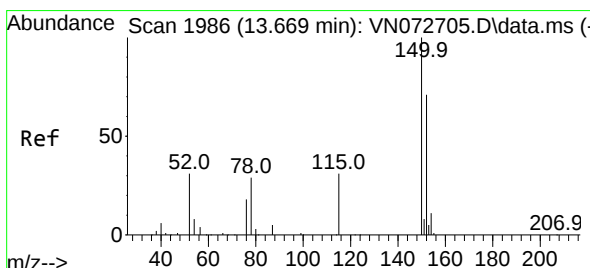
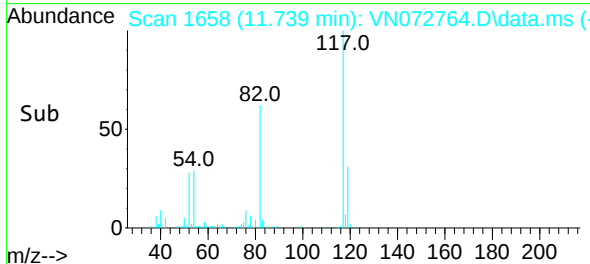
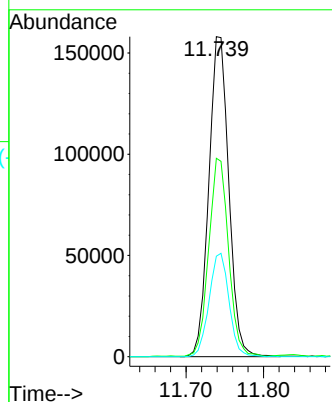
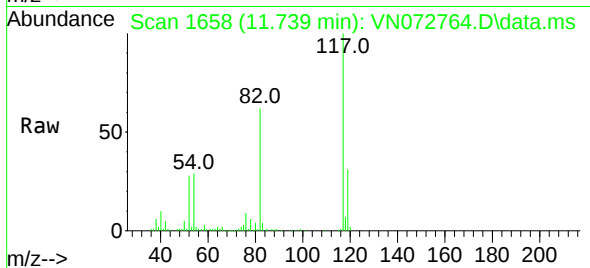




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. -0.006 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

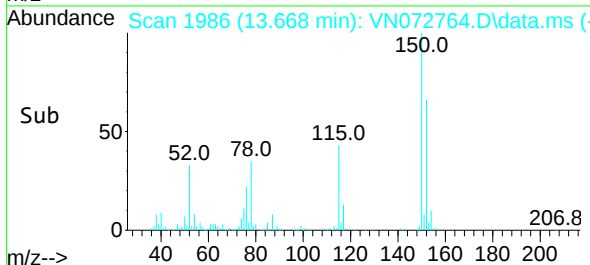
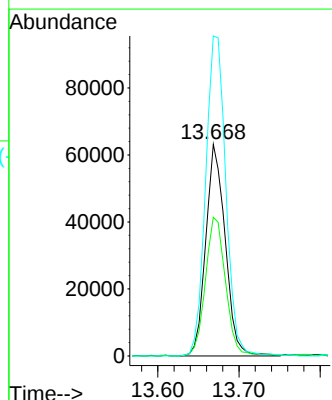
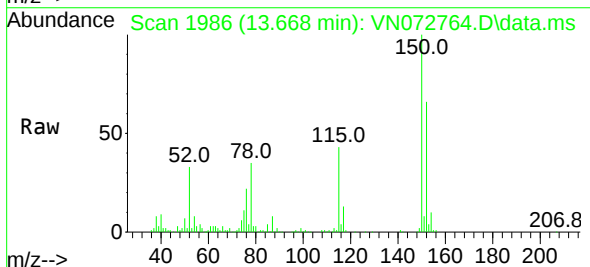
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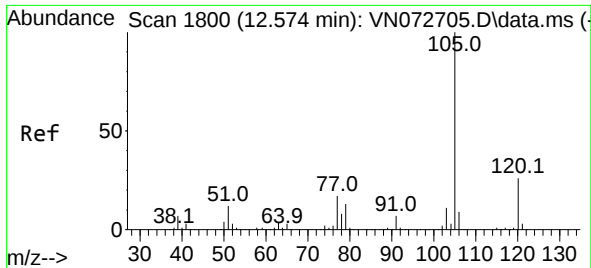
Tgt Ion:117 Resp: 282587  
Ion Ratio Lower Upper  
117 100  
82 61.8 44.2 66.2  
119 31.4 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.001 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

Tgt Ion:152 Resp: 105073  
Ion Ratio Lower Upper  
152 100  
115 68.5 28.9 86.7  
150 157.2 0.0 356.2

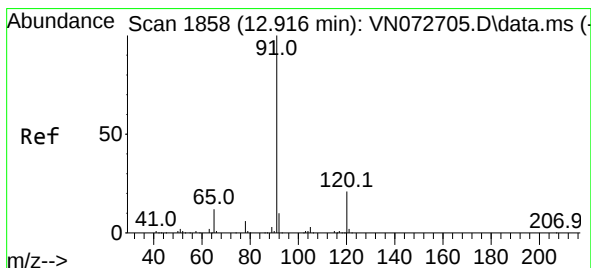
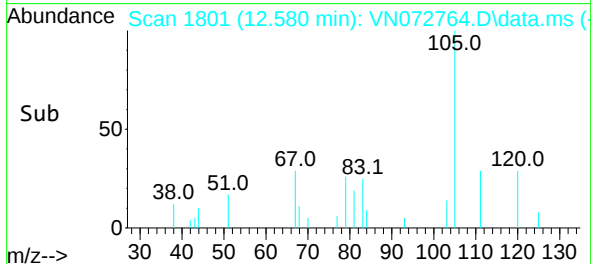
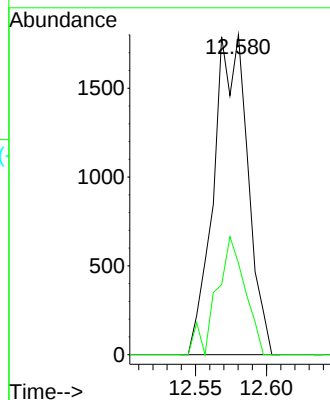
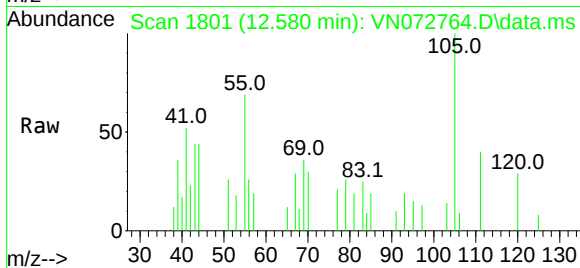




#73  
Isopropylbenzene  
Concen: 0.267 ug/l  
RT: 12.580 min Scan# 1800  
Delta R.T. 0.006 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

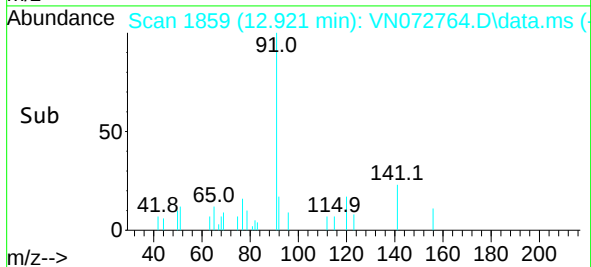
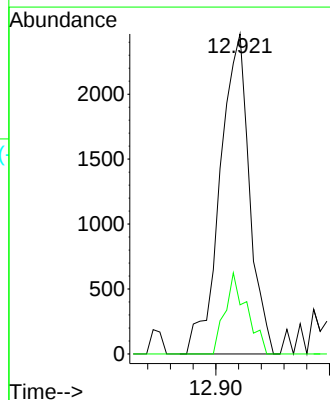
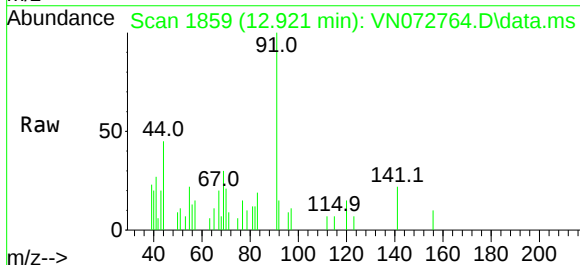
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

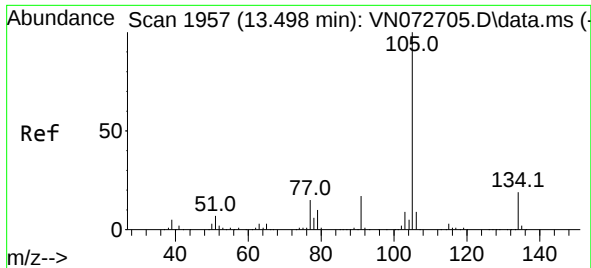
Tgt Ion:105 Resp: 3005  
Ion Ratio Lower Upper  
105 100  
120 30.8 13.5 40.4



#78  
n-propylbenzene  
Concen: 0.359 ug/l  
RT: 12.921 min Scan# 1859  
Delta R.T. 0.005 min  
Lab File: VN072764.D  
Acq: 10 Jun 2022 14:57

Tgt Ion: 91 Resp: 4418  
Ion Ratio Lower Upper  
91 100  
120 18.7 11.9 35.5

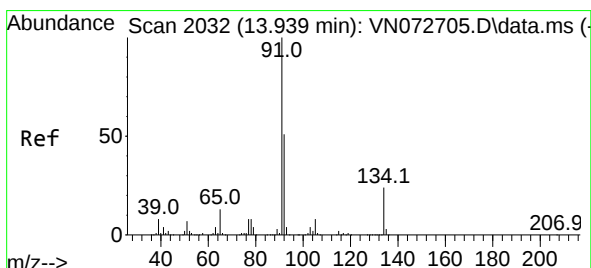
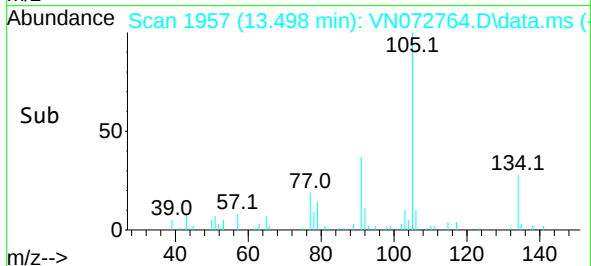
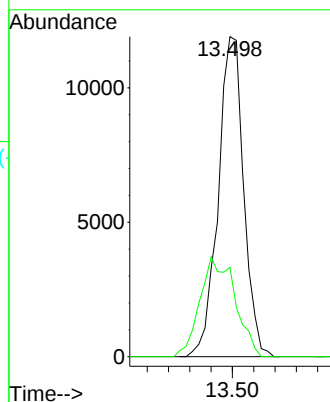
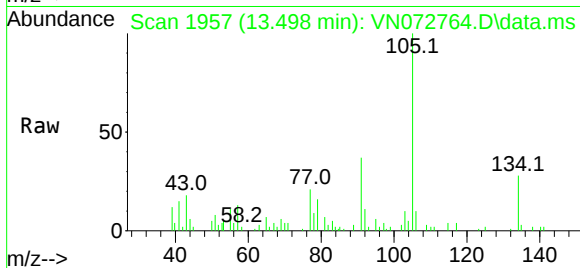




#85  
 sec-Butylbenzene  
 Concen: 1.865 ug/l  
 RT: 13.498 min Scan# 1957  
 Delta R.T. -0.000 min  
 Lab File: VN072764.D  
 Acq: 10 Jun 2022 14:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

Tgt Ion:105 Resp: 19734  
 Ion Ratio Lower Upper  
 105 100  
 134 42.9 10.4 31.1#



#89  
 n-Butylbenzene  
 Concen: 1.342 ug/l  
 RT: 13.939 min Scan# 2032  
 Delta R.T. -0.000 min  
 Lab File: VN072764.D  
 Acq: 10 Jun 2022 14:57

Tgt Ion: 91 Resp: 9413  
 Ion Ratio Lower Upper  
 91 100  
 92 41.0 26.9 80.7  
 134 49.9 13.6 40.8#

