

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041723\  
 Data File : VN077360.D  
 Acq On : 17 Apr 2023 16:32  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Apr 18 04:42:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

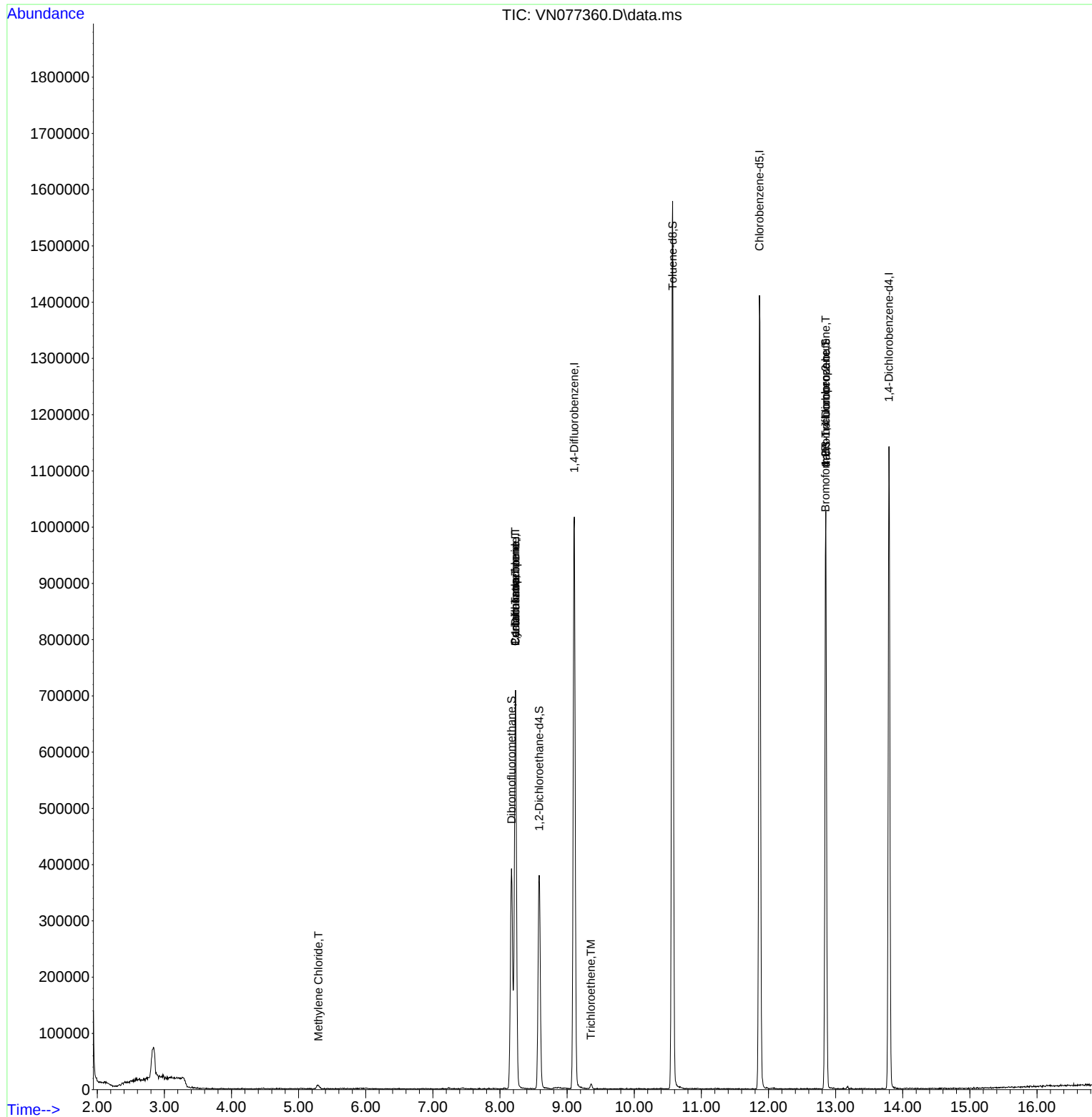
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.231  | 168   | 504707   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.107  | 114   | 949651   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.866 | 117   | 854261   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.795 | 152   | 308827   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.584  | 65    | 307317   | 44.551   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 89.100%  |
| 35) Dibromofluoromethane      | 8.172  | 113   | 285728   | 47.000   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 94.000%  |
| 50) Toluene-d8                | 10.572 | 98    | 1161174  | 47.446   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 94.900%  |
| 62) 4-Bromofluorobenzene      | 12.854 | 95    | 352798   | 43.344   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 86.680%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride        | 5.295  | 84    | 5101     | 0.710    | ug/l # | 83       |
| 31) Cyclohexane               | 8.231  | 56    | 12398    | 1.157    | ug/l # | 15       |
| 36) 1,1-Dichloropropene       | 8.231  | 75    | 42933    | 4.775    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.231  | 117   | 55795    | 6.057    | ug/l # | 16       |
| 44) Trichloroethene           | 9.354  | 130   | 3033     | 0.452    | ug/l   | 84       |
| 71) Bromoform                 | 12.848 | 173   | 1264     | 0.252    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.854 | 75    | 192162   | 26.130   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.854 | 75    | 192162   | 58.802   | ug/l # | 13       |
| -----                         |        |       |          |          |        |          |

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

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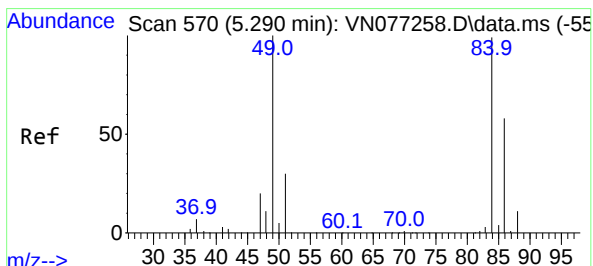
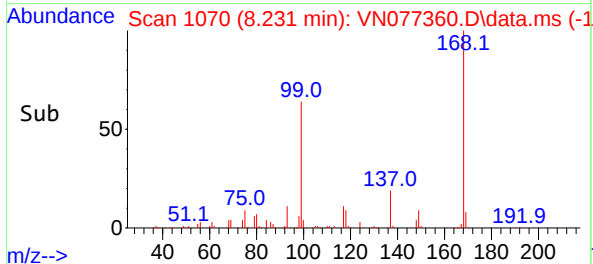
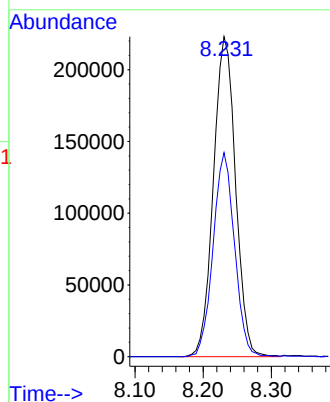
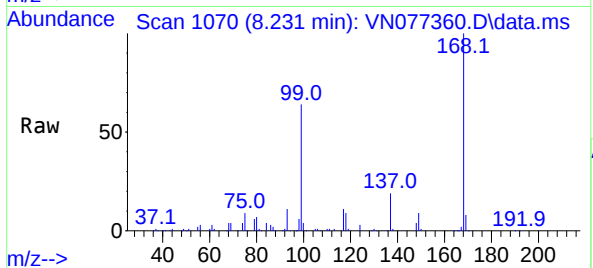




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

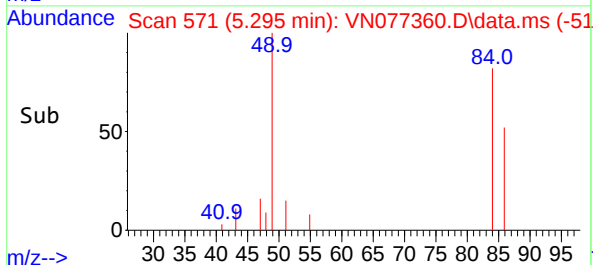
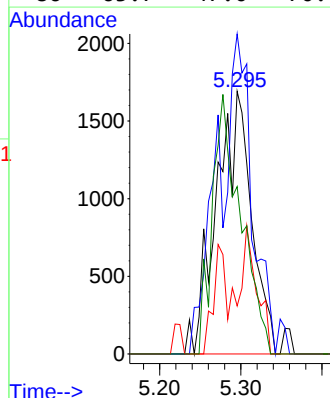
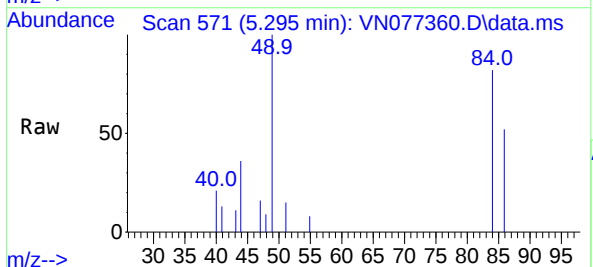
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

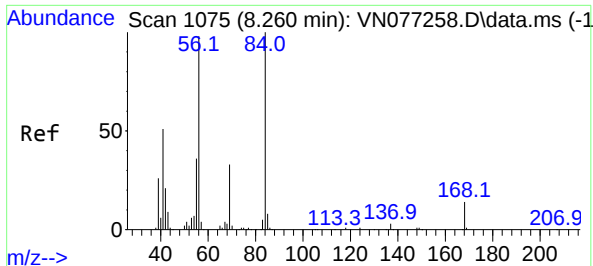
Tgt Ion:168 Resp: 504707  
Ion Ratio Lower Upper  
168 100  
99 63.7 50.6 75.8



#20  
Methylene Chloride  
Concen: 0.710 ug/l  
RT: 5.295 min Scan# 571  
Delta R.T. 0.005 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Tgt Ion: 84 Resp: 5101  
Ion Ratio Lower Upper  
84 100  
49 121.9 80.6 121.0#  
51 18.3 24.4 36.6#  
86 63.7 47.0 70.6

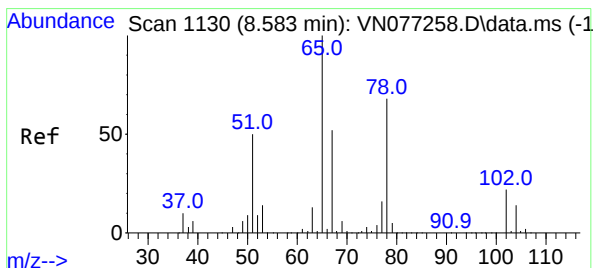
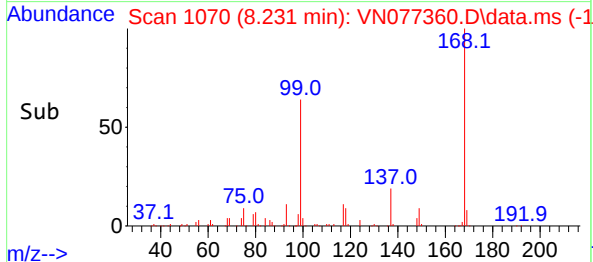
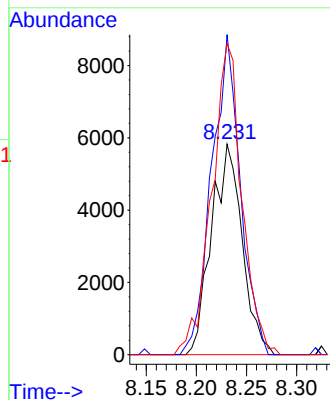
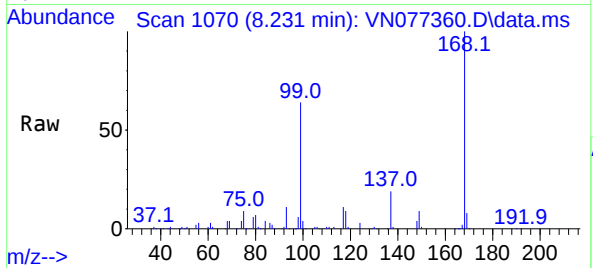




#31  
Cyclohexane  
Concen: 1.157 ug/l  
RT: 8.231 min Scan# 1075  
Delta R.T. -0.029 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

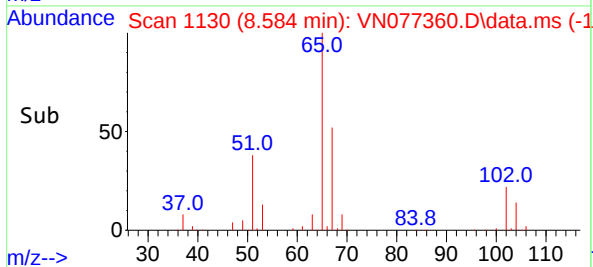
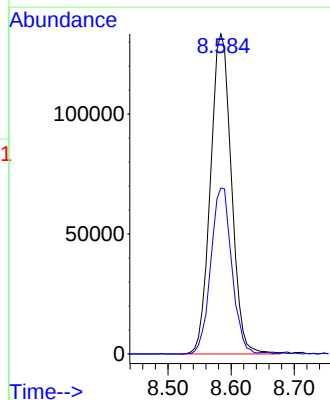
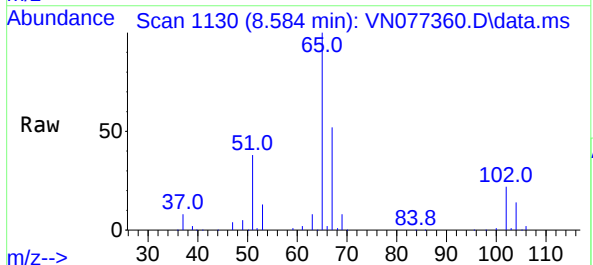
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

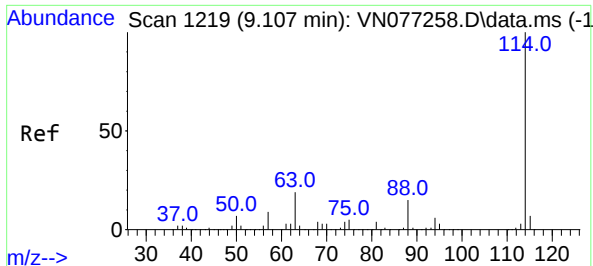
Tgt Ion: 56 Resp: 12398  
Ion Ratio Lower Upper  
56 100  
69 152.1 26.6 40.0#  
84 148.0 81.8 122.8#



#33  
1,2-Dichloroethane-d4  
Concen: 44.551 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. 0.001 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Tgt Ion: 65 Resp: 307317  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 108.8

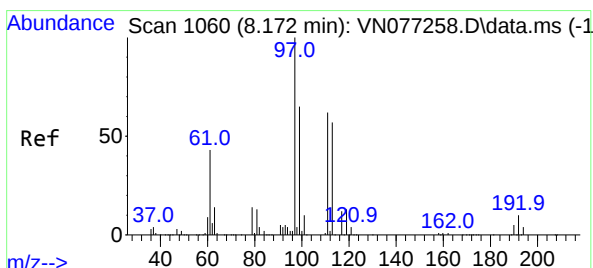
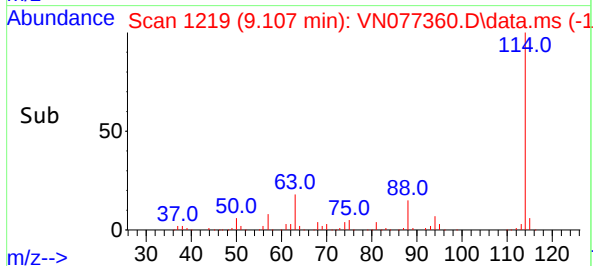
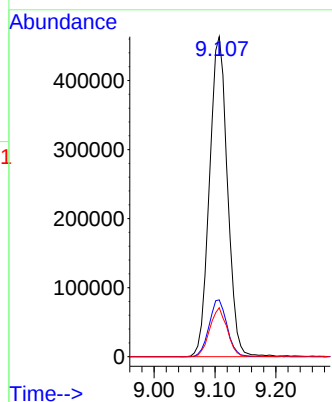
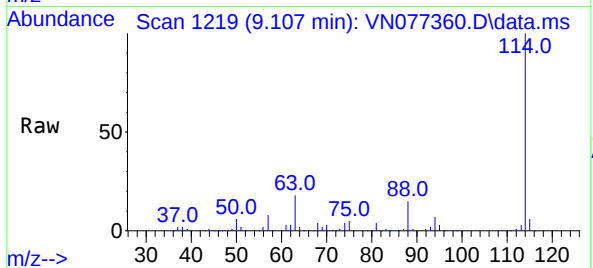




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

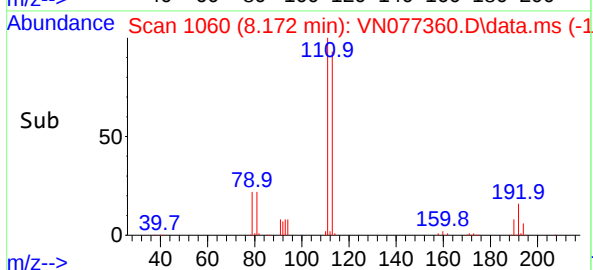
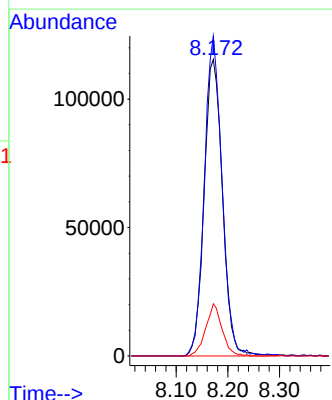
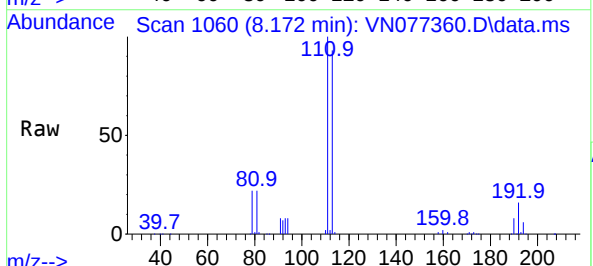
Instrument :  
MSVOA\_N  
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IBLK

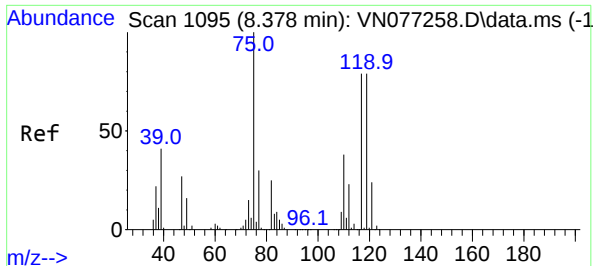
Tgt Ion:114 Resp: 949651  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 37.8  
88 15.3 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 47.000 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Tgt Ion:113 Resp: 285728  
Ion Ratio Lower Upper  
113 100  
111 103.2 83.4 125.0  
192 15.6 13.5 20.3

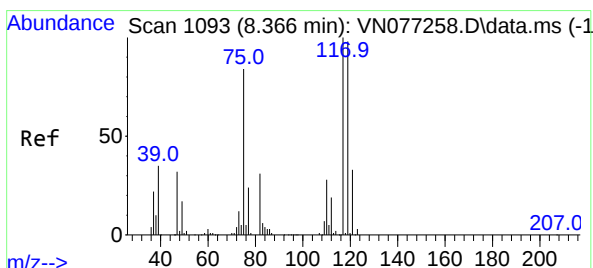
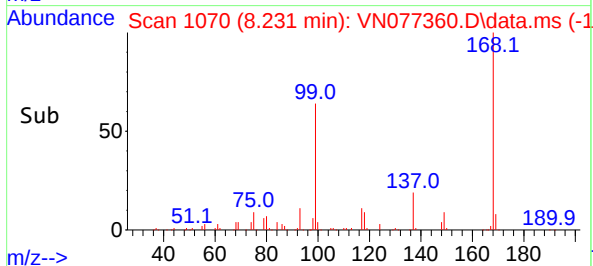
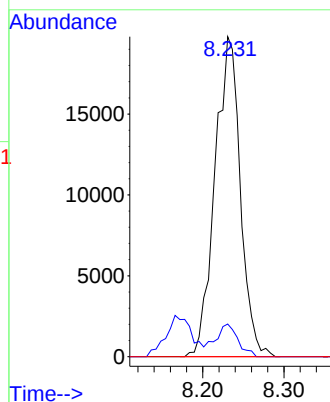
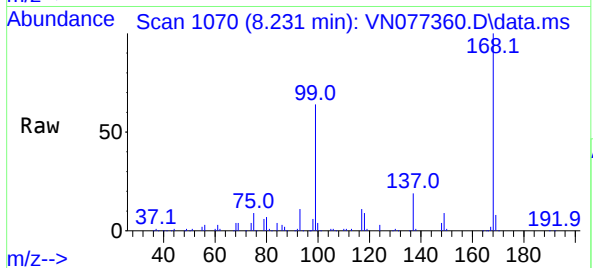




#36  
1,1-Dichloropropene  
Concen: 4.775 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.147 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

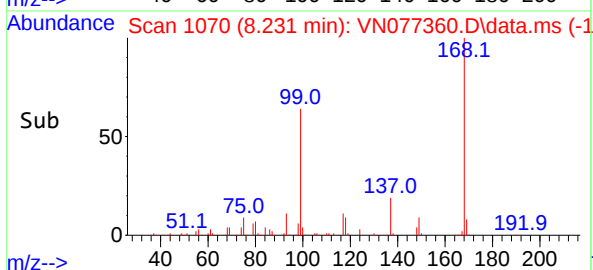
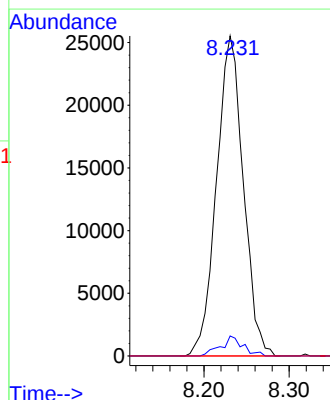
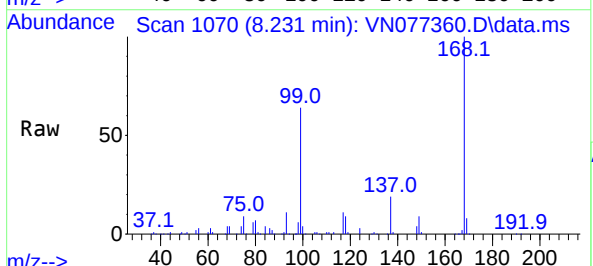
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

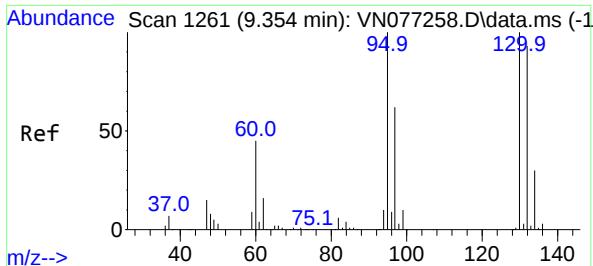
Tgt Ion: 75 Resp: 42933  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.8 53.5#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 6.057 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.135 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Tgt Ion: 117 Resp: 55795  
Ion Ratio Lower Upper  
117 100  
119 6.3 78.5 117.7#  
121 0.0 26.6 40.0#





#44

Trichloroethene

Concen: 0.452 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VN077360.D

Acq: 17 Apr 2023 16:32

Instrument :

MSVOA\_N

ClientSampleId :

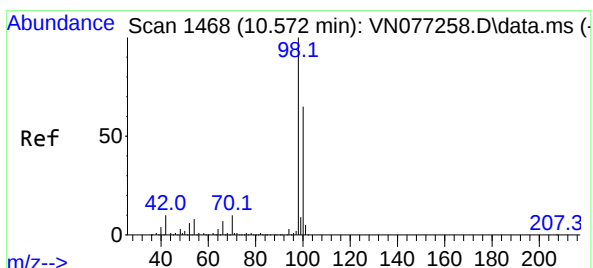
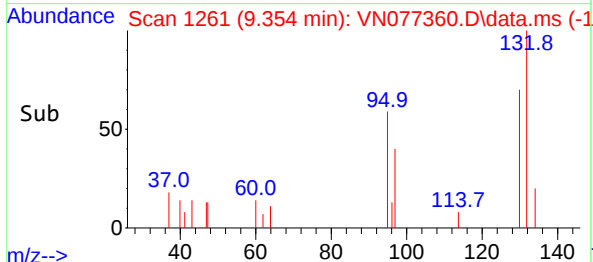
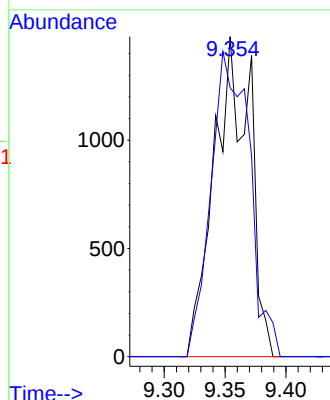
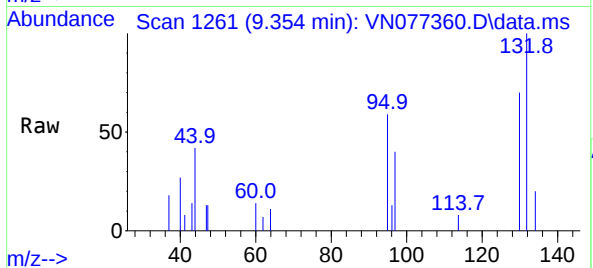
IBLK

Tgt Ion:130 Resp: 3033

Ion Ratio Lower Upper

130 100

95 84.0 0.0 200.2



#50

Toluene-d8

Concen: 47.446 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077360.D

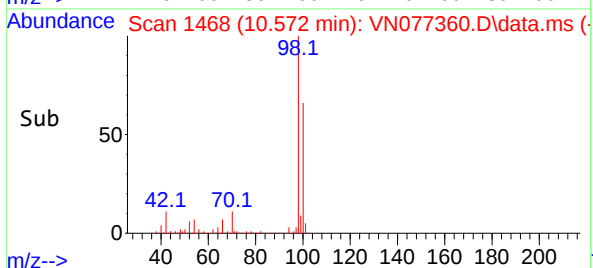
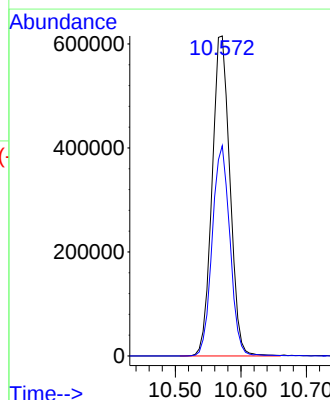
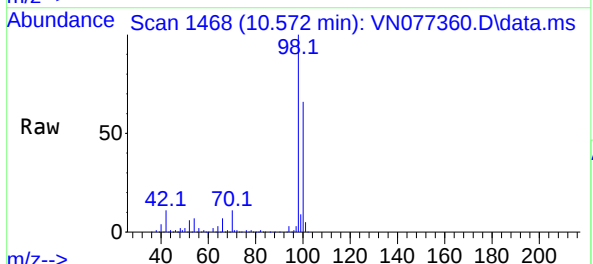
Acq: 17 Apr 2023 16:32

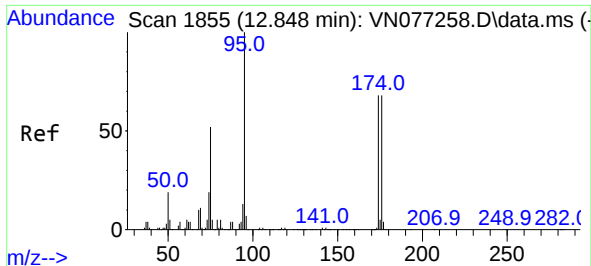
Tgt Ion: 98 Resp: 1161174

Ion Ratio Lower Upper

98 100

100 65.2 51.3 76.9



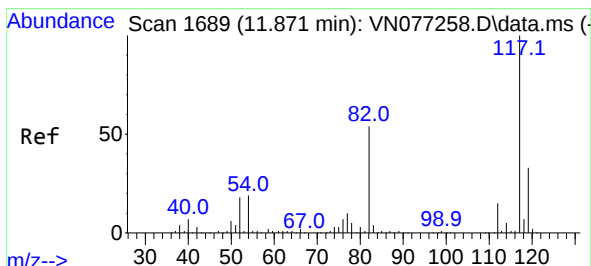
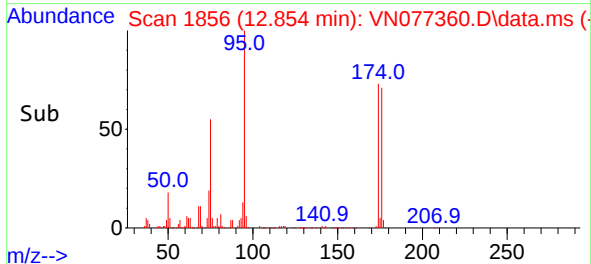
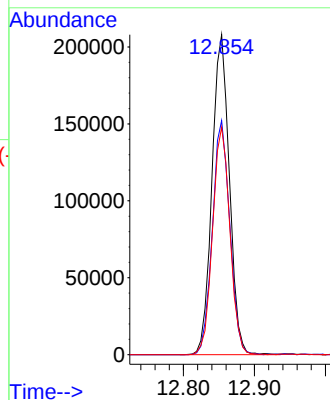
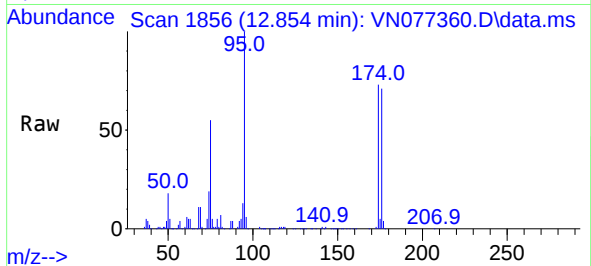


#62  
4-Bromofluorobenzene  
Concen: 43.344 ug/l  
RT: 12.854 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion: 95 Resp: 352798

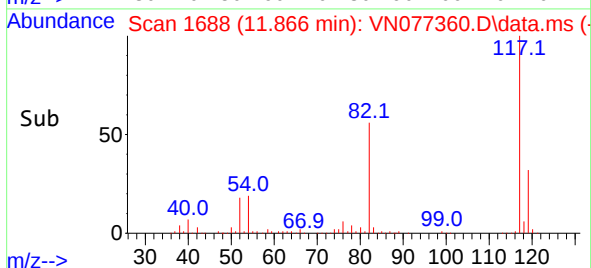
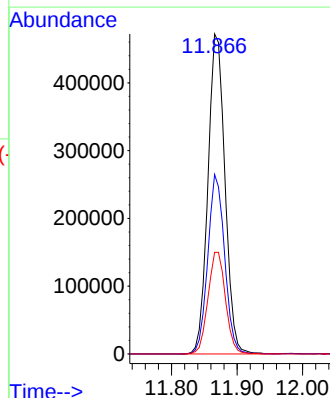
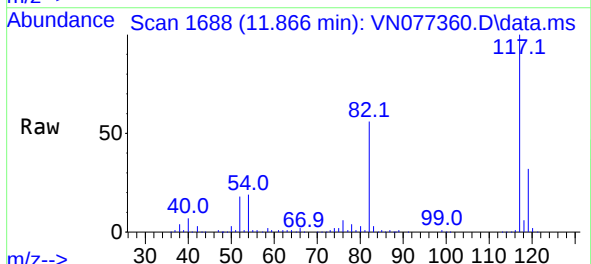
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 73.3  | 0.0   | 146.8 |
| 176 | 70.7  | 0.0   | 139.6 |

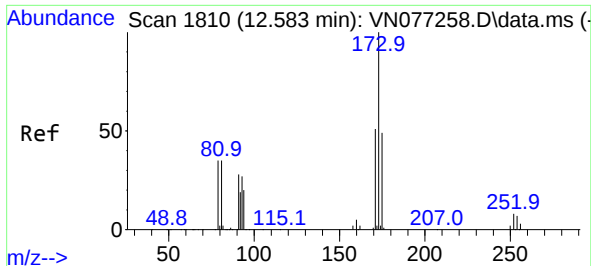


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.005 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Tgt Ion: 117 Resp: 854261

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 56.1  | 42.9  | 64.3  |
| 119 | 31.7  | 26.2  | 39.4  |

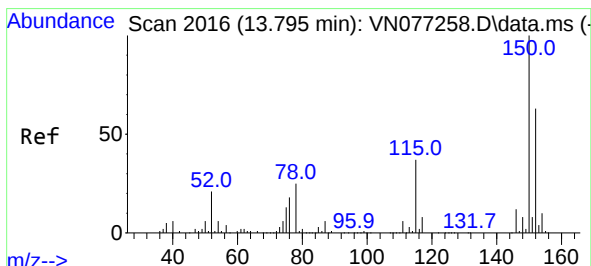
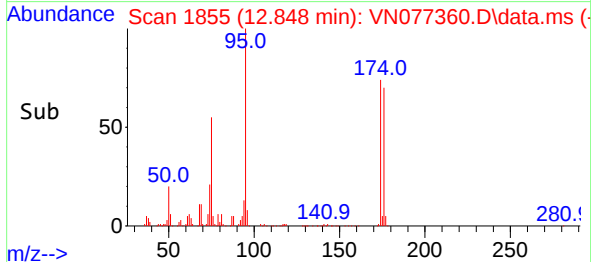
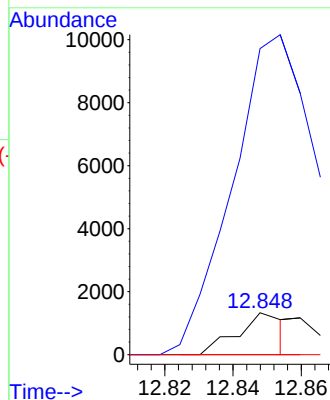
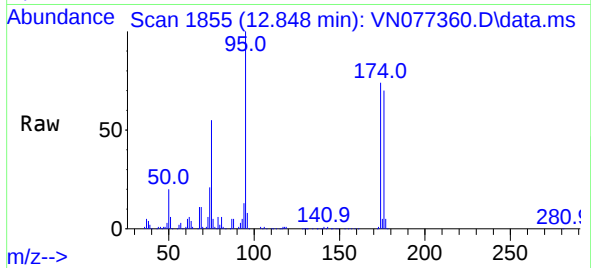




#71  
Bromoform  
Concen: 0.252 ug/l  
RT: 12.848 min Scan# 1810  
Delta R.T. 0.265 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

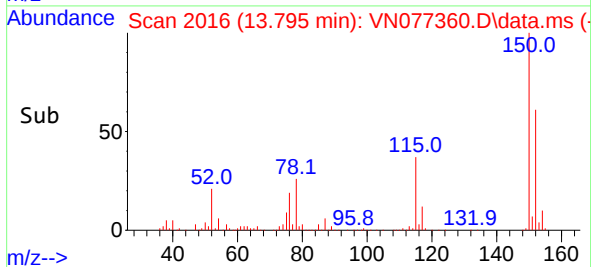
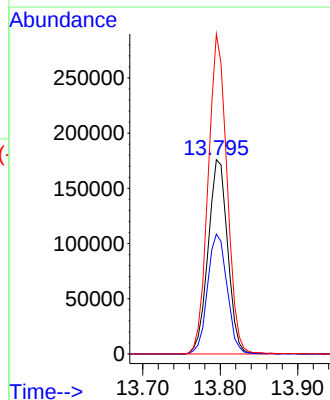
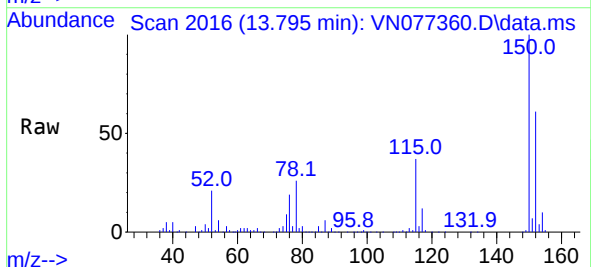
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

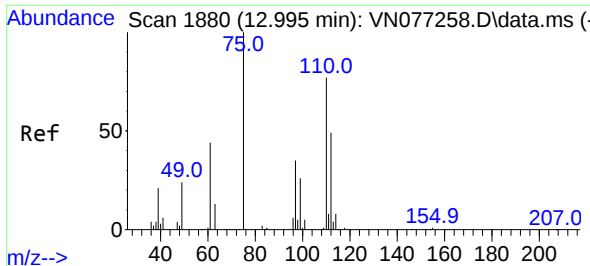
Tgt Ion:173 Resp: 1264  
Ion Ratio Lower Upper  
173 100  
175 1133.0 24.1 72.4#  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Tgt Ion:152 Resp: 308827  
Ion Ratio Lower Upper  
152 100  
115 61.6 32.1 96.3  
150 158.9 0.0 354.8

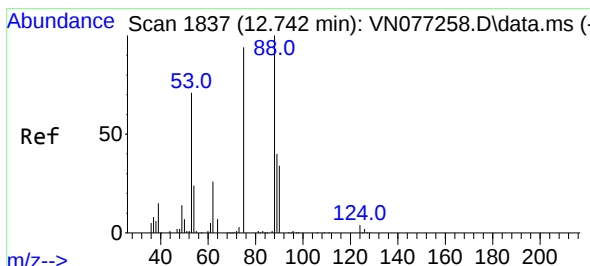
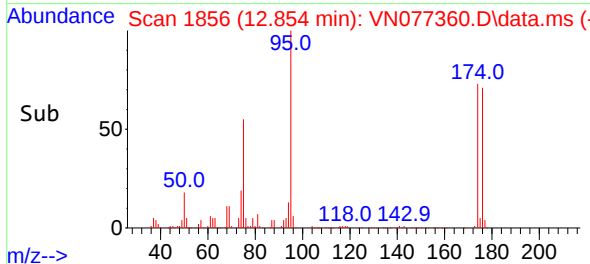
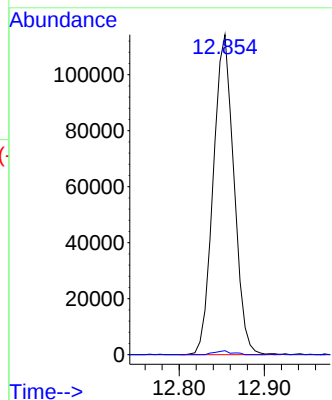
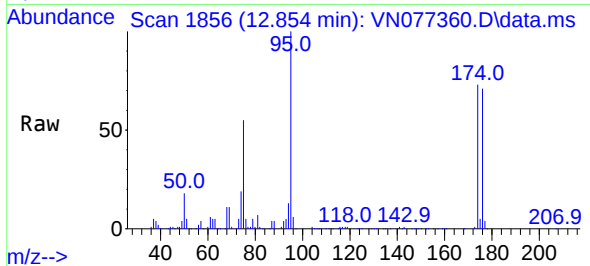




#76  
1,2,3-Trichloropropane  
Concen: 26.130 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. -0.141 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion: 75 Resp: 192162  
Ion Ratio Lower Upper  
75 100  
77 1.0 88.3 264.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.802 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.112 min  
Lab File: VN077360.D  
Acq: 17 Apr 2023 16:32

Tgt Ion: 75 Resp: 192162  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.8 109.2#  
89 0.1 37.4 56.2#

