

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062722\  
 Data File : VN073151.D  
 Acq On : 27 Jun 2022 10:34  
 Operator : JC\MD  
 Sample : VN0627WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0627WBL01

Quant Time: Jun 28 06:35:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061722W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 18 06:22:45 2022  
 Response via : Initial Calibration

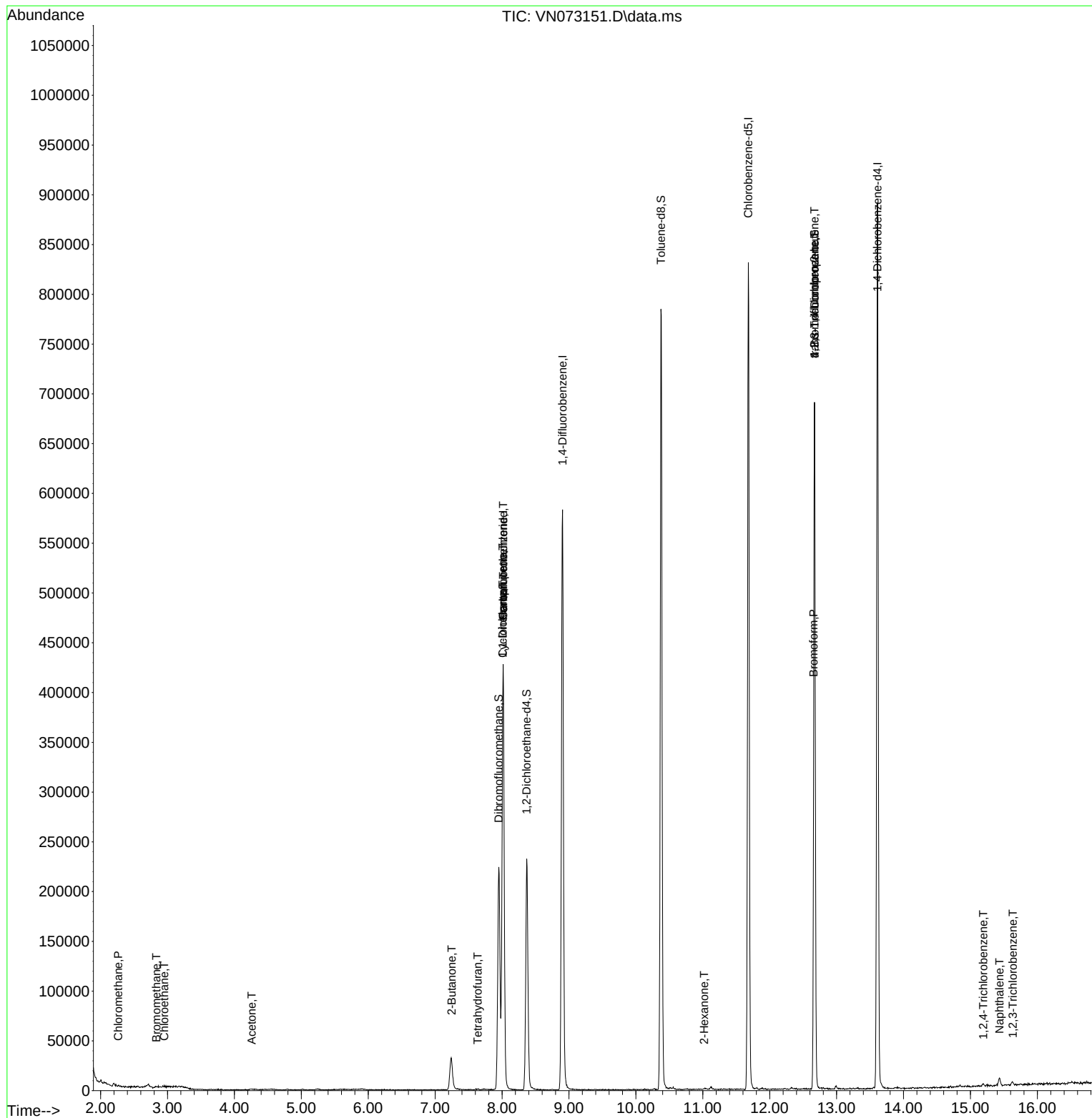
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 323875   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 521128   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.680 | 117   | 481657   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.610 | 152   | 241812   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369  | 65    | 190308   | 43.462    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 86.920%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 164480   | 51.064    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 102.120% |
| 50) Toluene-d8                | 10.375 | 98    | 548653   | 45.776    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 91.560%  |
| 62) 4-Bromofluorobenzene      | 12.669 | 95    | 239441   | 55.557    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 111.120% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.263  | 50    | 772      | 0.800     | ug/l # | 43       |
| 5) Bromomethane               | 2.834  | 94    | 287      | 0.264     | ug/l   | 97       |
| 6) Chloroethane               | 2.952  | 64    | 665      | 0.384     | ug/l   | 94       |
| 16) Acetone                   | 4.257  | 43    | 1638     | 0.681     | ug/l # | 80       |
| 20) Methylene Chloride        | 5.004  | 84    | 213      | Below Cal | #      | 10       |
| 25) 2-Butanone                | 7.245  | 43    | 2708     | 0.709     | ug/l # | 45       |
| 26) 2,2-Dichloropropane       | 7.234  | 77    | 1939     | Below Cal | #      | 53       |
| 29) Tetrahydrofuran           | 7.634  | 42    | 775      | 0.307     | ug/l # | 40       |
| 31) Cyclohexane               | 8.010  | 56    | 7575     | 1.279     | ug/l # | 44       |
| 36) 1,1-Dichloropropene       | 8.010  | 75    | 25400    | 5.828     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 33297    | 7.263     | ug/l # | 15       |
| 59) 2-Hexanone                | 11.022 | 43    | 1551     | 0.309     | ug/l   | 66       |
| 71) Bromoform                 | 12.657 | 173   | 1232     | 0.456     | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.669 | 75    | 126187   | 21.524    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.669 | 75    | 126187   | 58.127    | ug/l # | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.192 | 180   | 986      | 0.214     | ug/l   | 96       |
| 95) Naphthalene               | 15.433 | 128   | 7830     | 0.419     | ug/l   | 95       |
| 96) 1,2,3-Trichlorobenzene    | 15.633 | 180   | 1248     | 0.253     | ug/l # | 23       |
| -----                         |        |       |          |           |        |          |

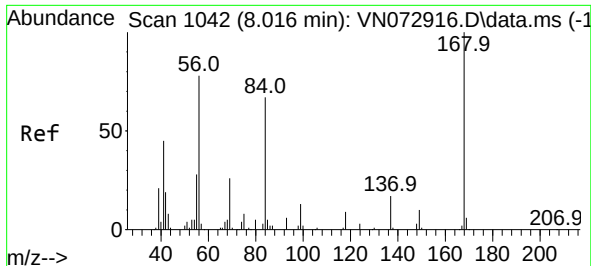
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062722\  
Data File : VN073151.D  
Acq On : 27 Jun 2022 10:34  
Operator : JC\MD  
Sample : VN0627WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

Quant Time: Jun 28 06:35:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061722W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 18 06:22:45 2022  
Response via : Initial Calibration

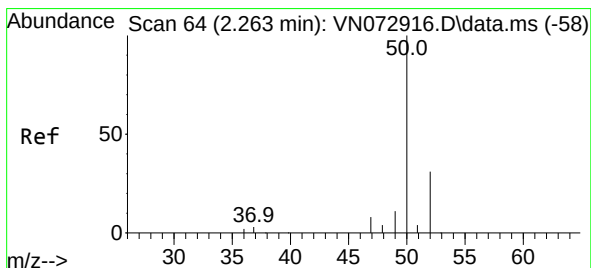
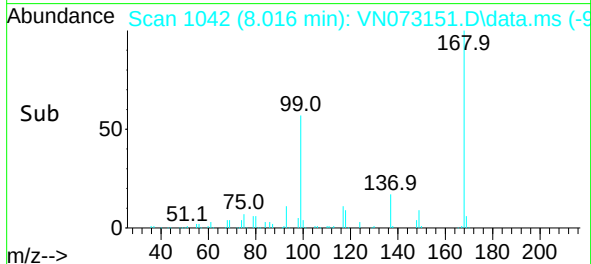
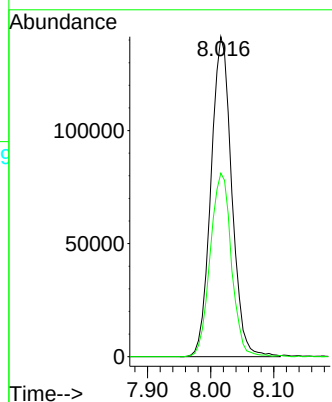
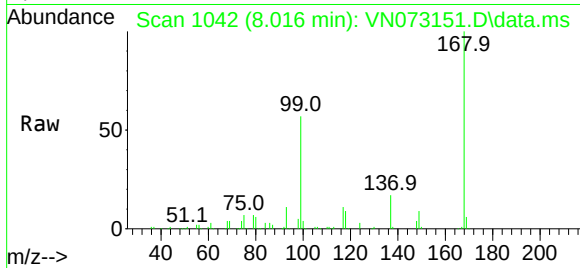




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

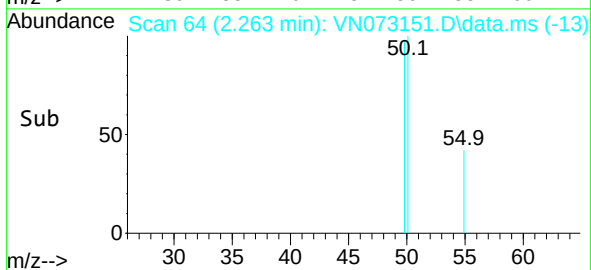
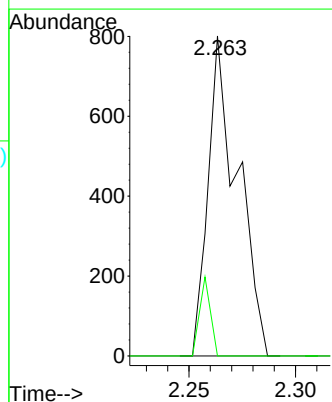
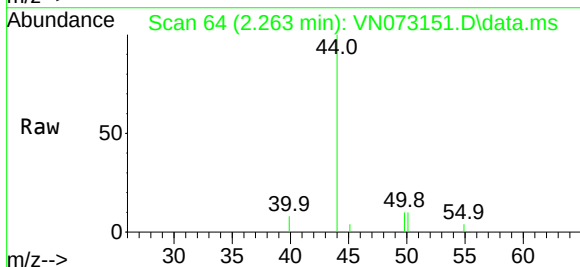
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

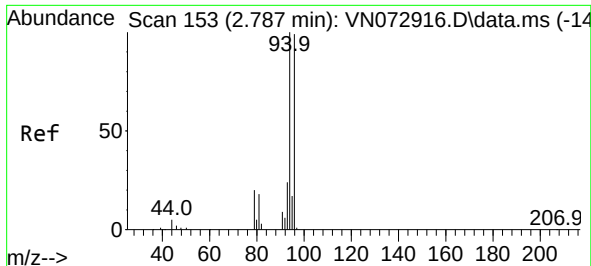
Tgt Ion:168 Resp: 323875  
Ion Ratio Lower Upper  
168 100  
99 57.3 42.3 63.5



#3  
Chloromethane  
Concen: 0.800 ug/l  
RT: 2.263 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion: 50 Resp: 772  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

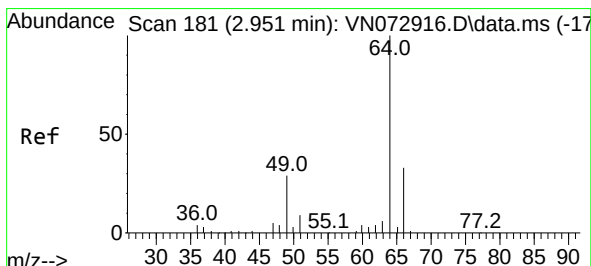
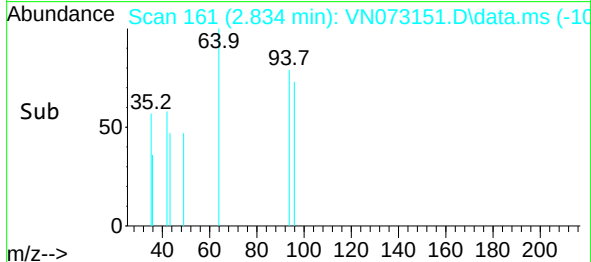
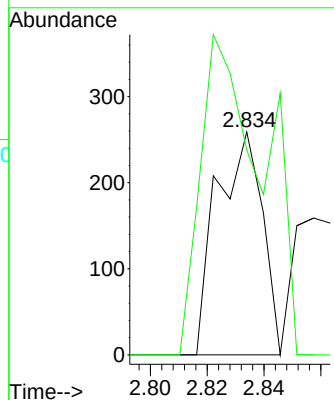
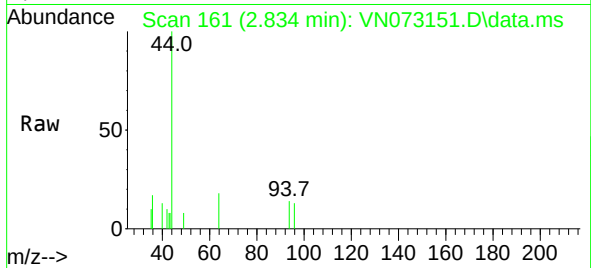




#5  
Bromomethane  
Concen: 0.264 ug/l  
RT: 2.834 min Scan# 1  
Delta R.T. 0.047 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

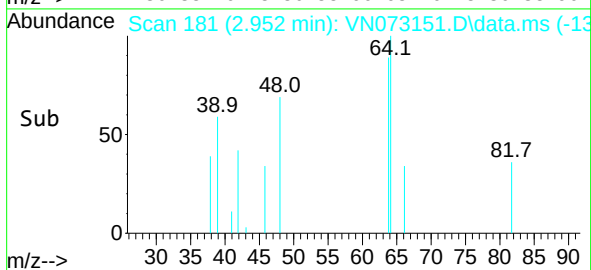
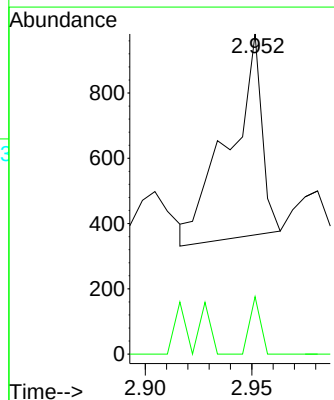
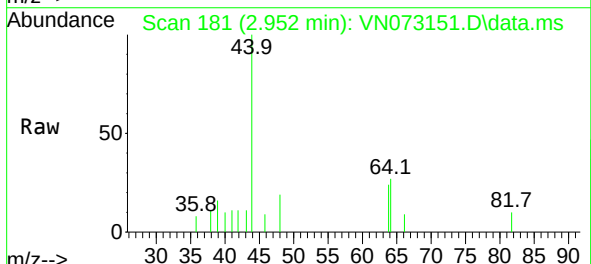
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

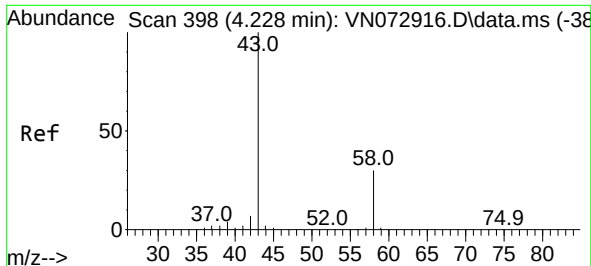
Tgt Ion: 94 Resp: 287  
Ion Ratio Lower Upper  
94 100  
96 91.9 76.0 114.0



#6  
Chloroethane  
Concen: 0.384 ug/l  
RT: 2.952 min Scan# 181  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion: 64 Resp: 665  
Ion Ratio Lower Upper  
64 100  
66 29.1 26.2 39.4





#16

Acetone

Concen: 0.681 ug/l

RT: 4.257 min Scan# 403

Delta R.T. 0.030 min

Lab File: VN073151.D

Acq: 27 Jun 2022 10:34

Instrument :

MSVOA\_N

ClientSampleId :

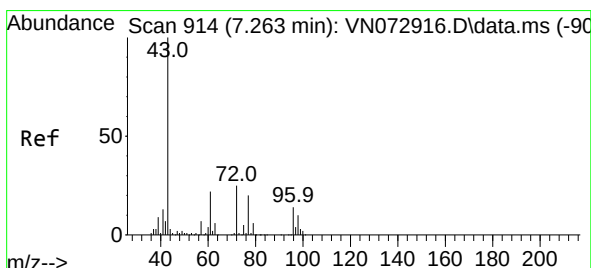
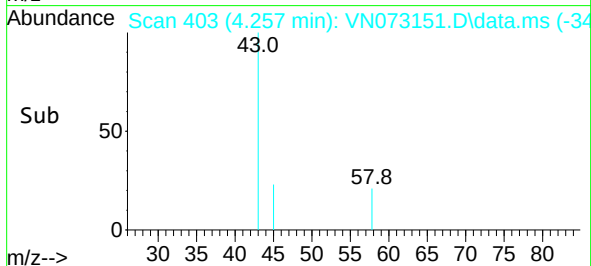
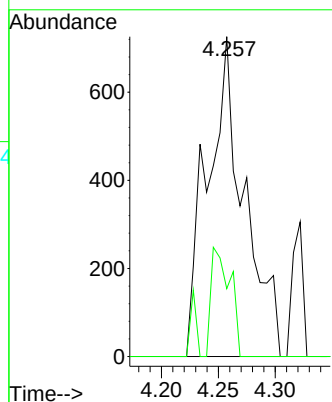
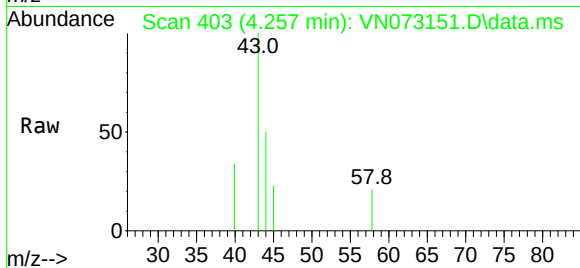
VN0627WBL01

Tgt Ion: 43 Resp: 1638

Ion Ratio Lower Upper

43 100

58 21.2 26.0 39.0#



#25

2-Butanone

Concen: 0.709 ug/l

RT: 7.245 min Scan# 911

Delta R.T. -0.018 min

Lab File: VN073151.D

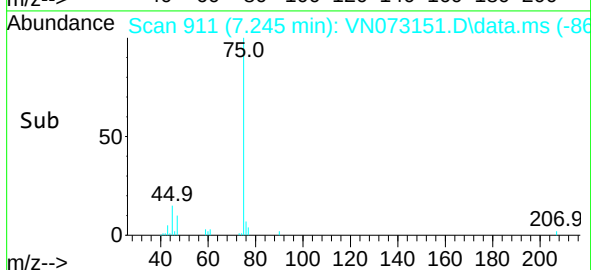
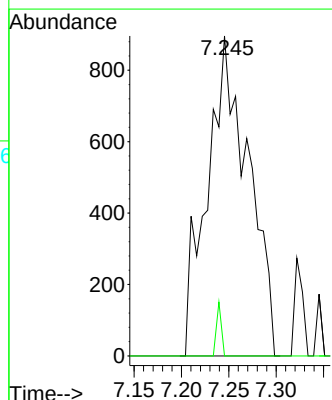
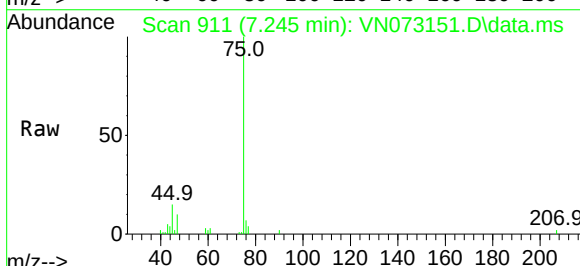
Acq: 27 Jun 2022 10:34

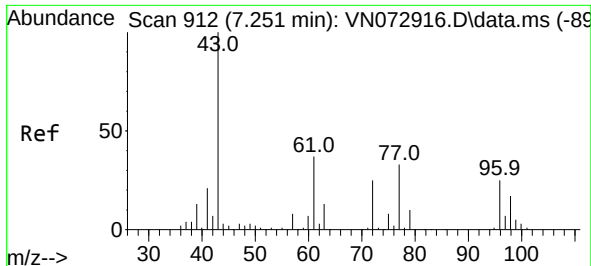
Tgt Ion: 43 Resp: 2708

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

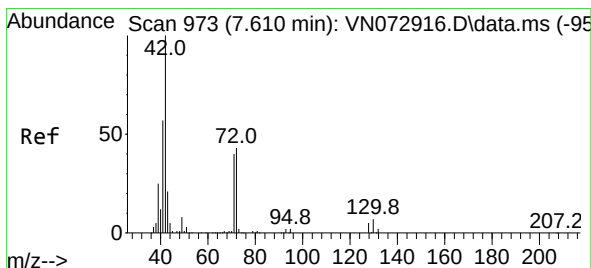
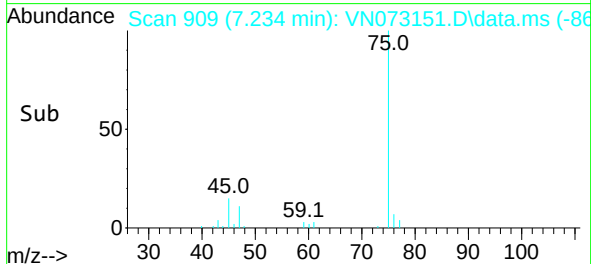
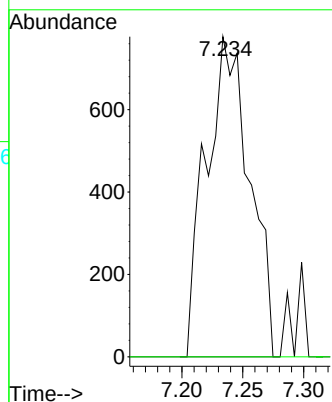
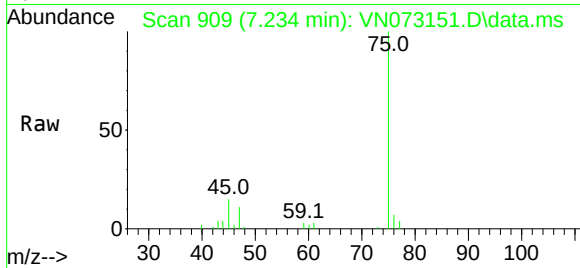




#26  
2,2-Dichloropropane  
Concen: Below Cal  
RT: 7.234 min Scan# 909  
Delta R.T. -0.017 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

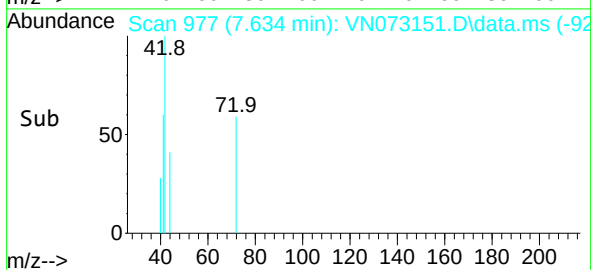
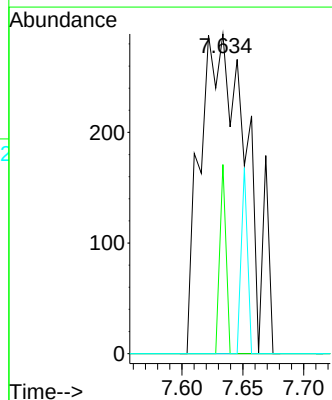
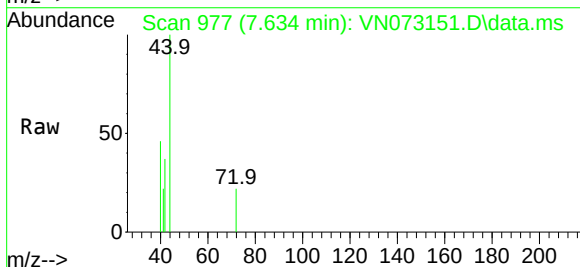
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

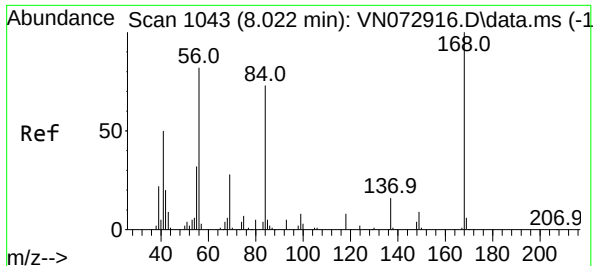
Tgt Ion: 77 Resp: 1939  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.4 34.2#



#29  
Tetrahydrofuran  
Concen: 0.307 ug/l  
RT: 7.634 min Scan# 977  
Delta R.T. 0.024 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion: 42 Resp: 775  
Ion Ratio Lower Upper  
42 100  
72 7.7 39.7 59.5#  
71 7.6 36.6 55.0#

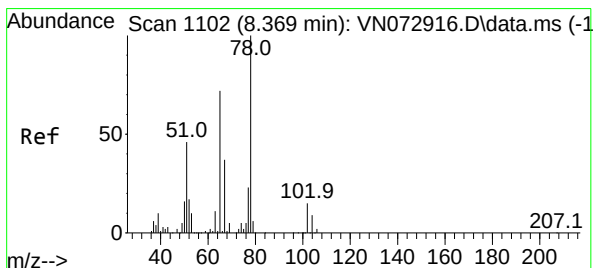
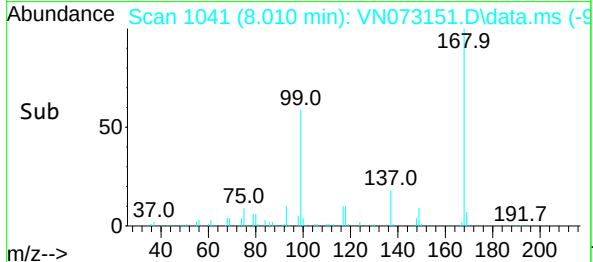
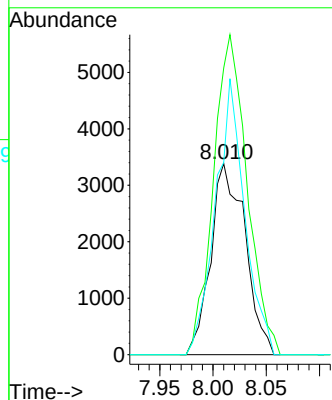
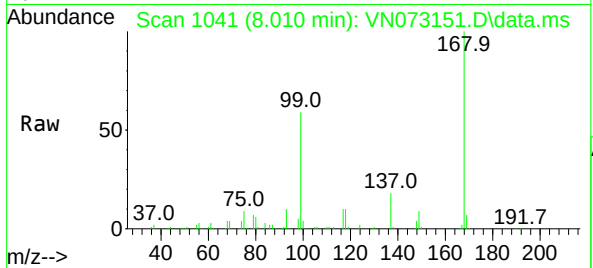




#31  
Cyclohexane  
Concen: 1.279 ug/l  
RT: 8.010 min Scan# 1043  
Delta R.T. -0.012 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

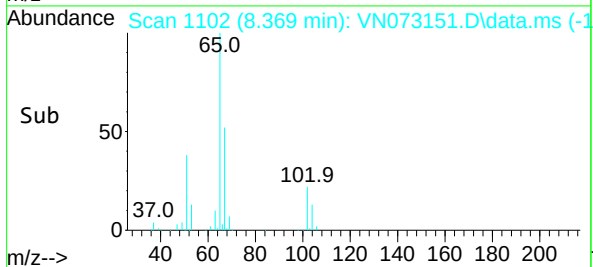
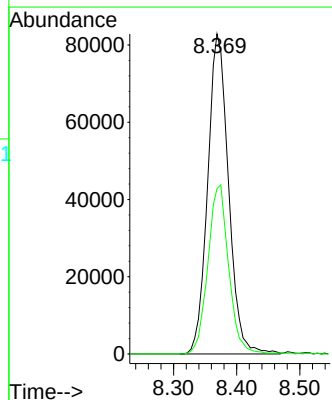
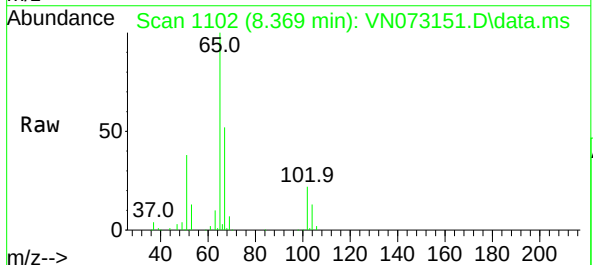
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

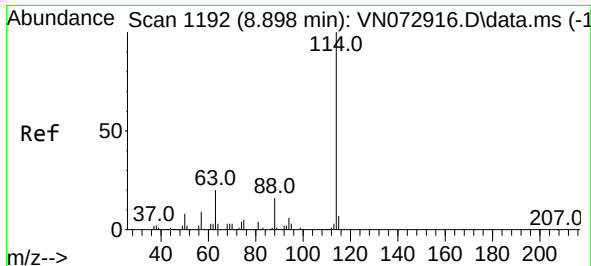
Tgt Ion: 56 Resp: 7575  
Ion Ratio Lower Upper  
56 100  
69 149.9 27.8 41.8#  
84 100.5 76.9 115.3



#33  
1,2-Dichloroethane-d4  
Concen: 43.462 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion: 65 Resp: 190308  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 104.8

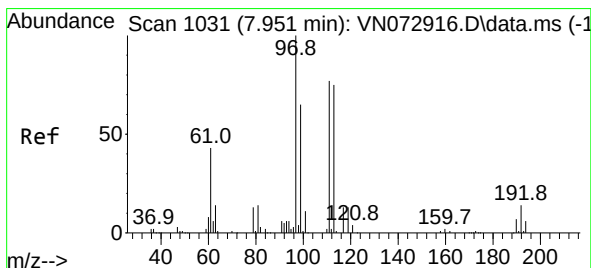
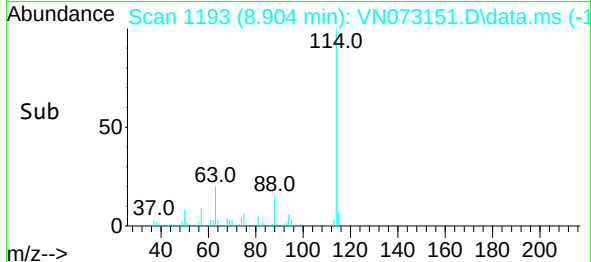
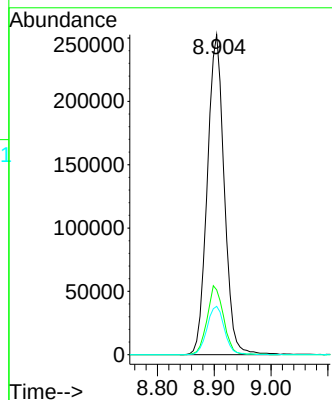
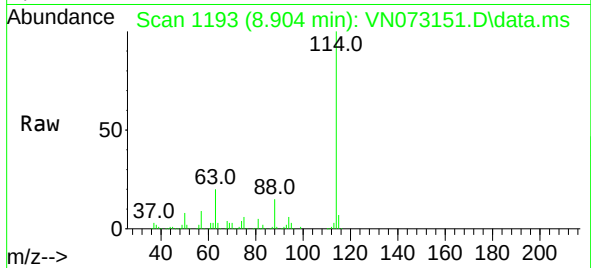




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.904 min Scan# 1192  
Delta R.T. 0.006 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

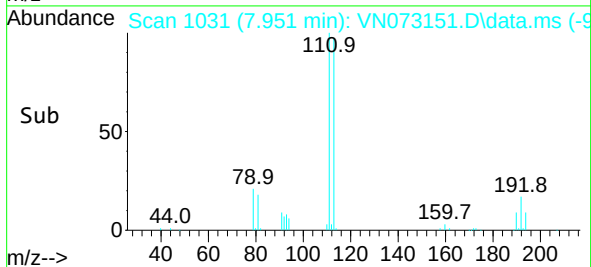
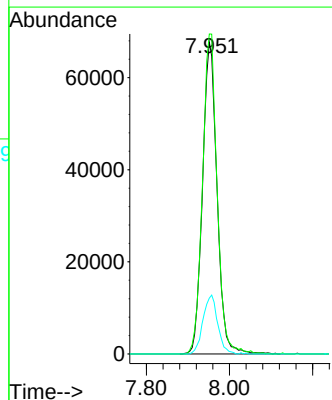
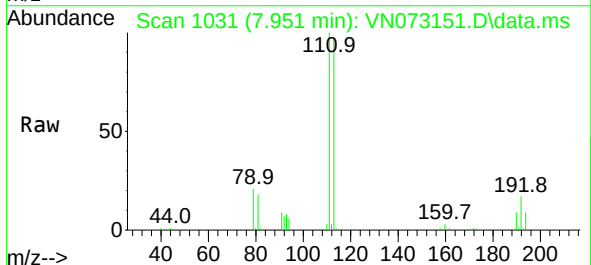
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

Tgt Ion:114 Resp: 521128  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 40.0  
88 15.1 0.0 32.6

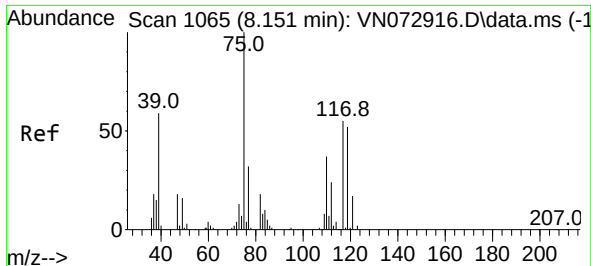


#35  
Dibromofluoromethane  
Concen: 51.064 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion:113 Resp: 164480  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.4 122.0  
192 19.1 17.0 25.6







#36

1,1-Dichloropropene

Concen: 5.828 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN073151.D

Acq: 27 Jun 2022 10:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0627WBL01

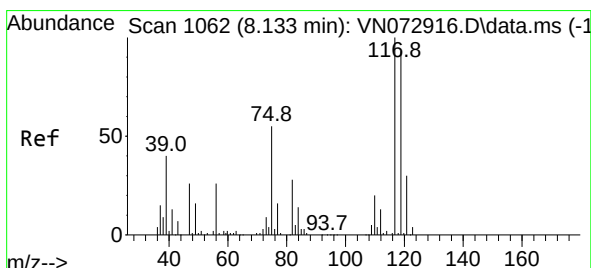
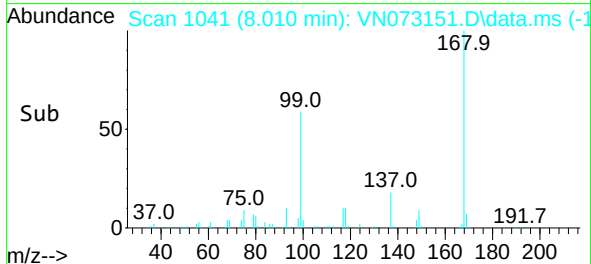
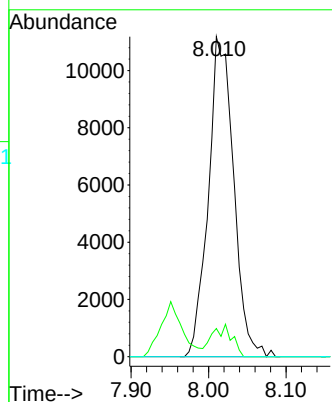
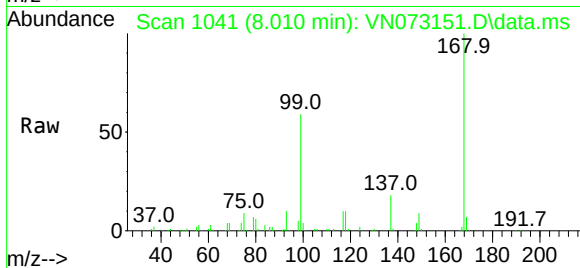
Tgt Ion: 75 Resp: 25400

Ion Ratio Lower Upper

75 100

110 7.8 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.263 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN073151.D

Acq: 27 Jun 2022 10:34

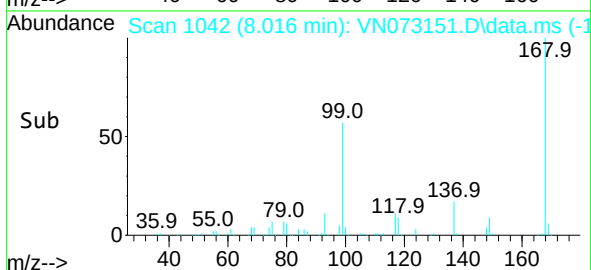
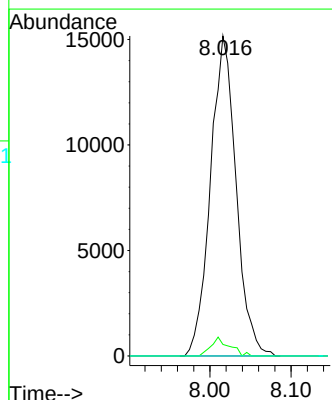
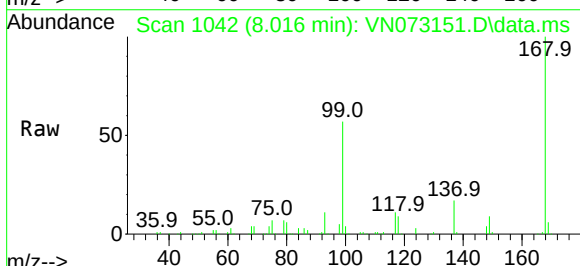
Tgt Ion: 117 Resp: 33297

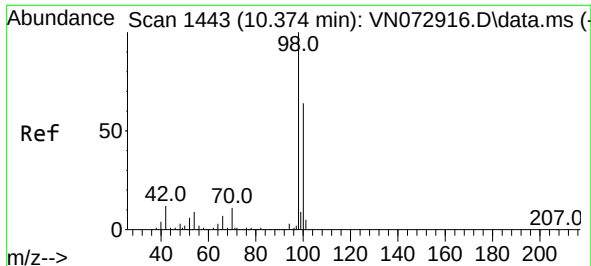
Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

121 0.0 24.6 37.0#

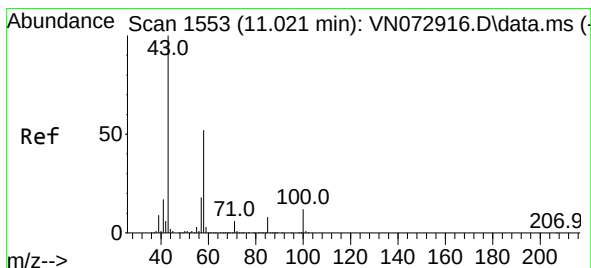
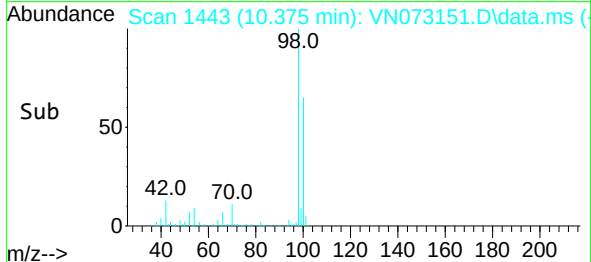
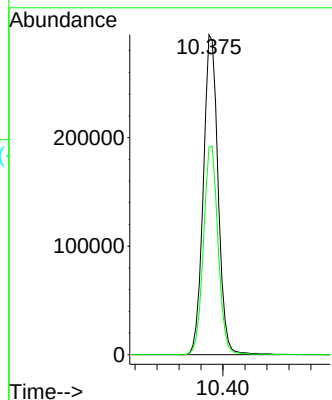
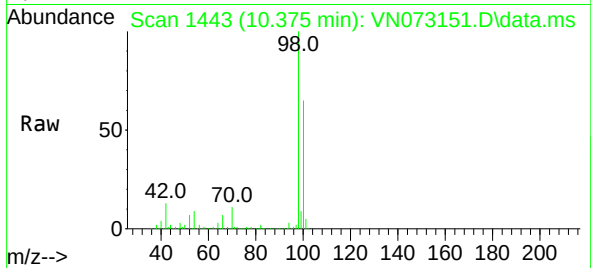




#50  
Toluene-d8  
Concen: 45.776 ug/l  
RT: 10.375 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

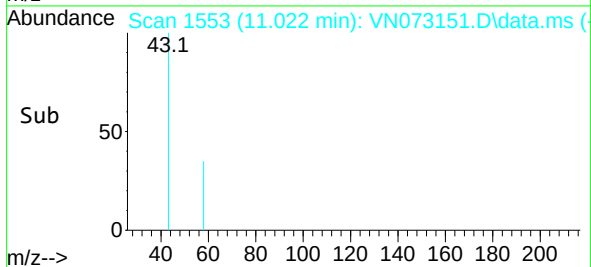
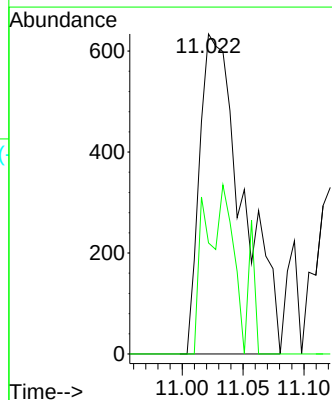
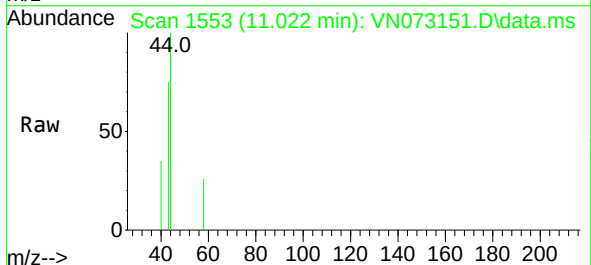
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

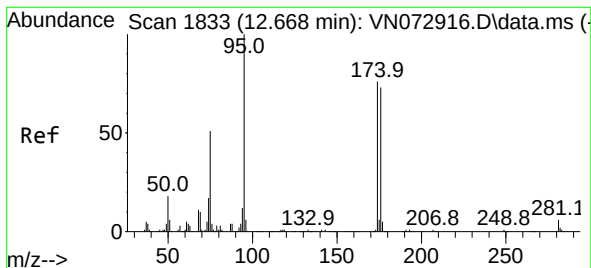
Tgt Ion: 98 Resp: 548653  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8



#59  
2-Hexanone  
Concen: 0.309 ug/l  
RT: 11.022 min Scan# 1553  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion: 43 Resp: 1551  
Ion Ratio Lower Upper  
43 100  
58 34.1 29.7 89.1

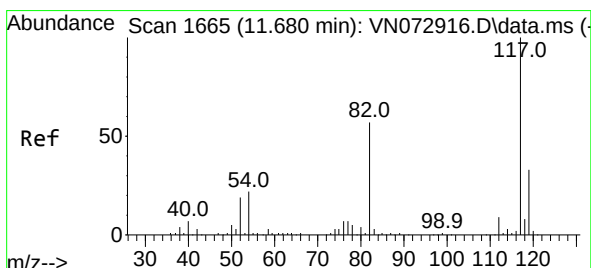
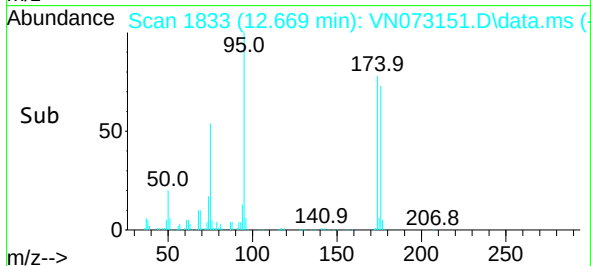
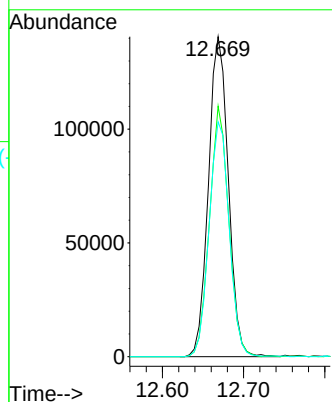
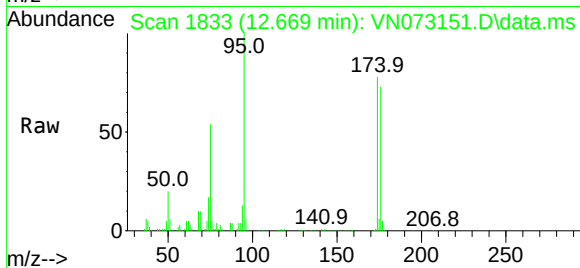




#62  
4-Bromofluorobenzene  
Concen: 55.557 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

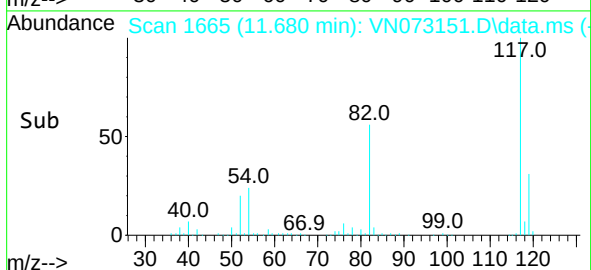
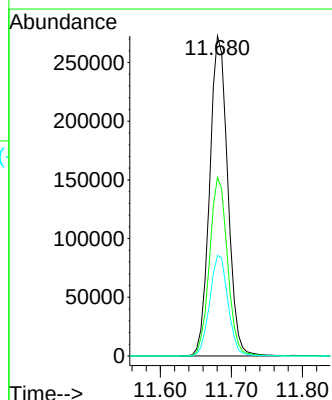
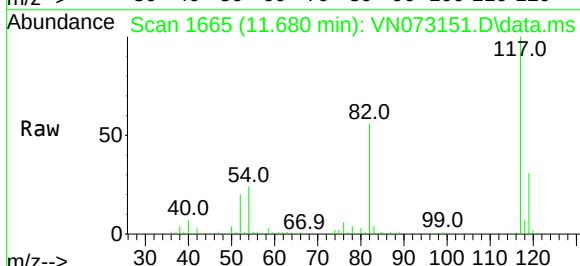
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

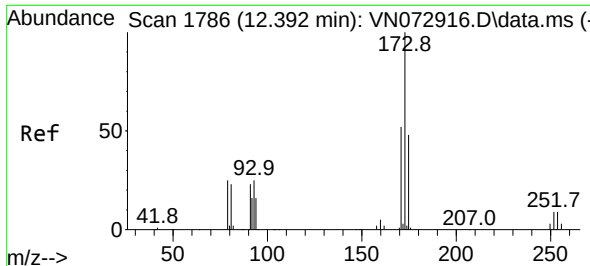
Tgt Ion: 95 Resp: 239441  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 167.6  
176 74.1 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.680 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion: 117 Resp: 481657  
Ion Ratio Lower Upper  
117 100  
82 55.8 44.2 66.2  
119 31.4 25.4 38.0

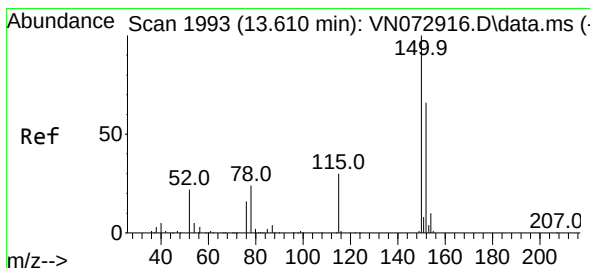
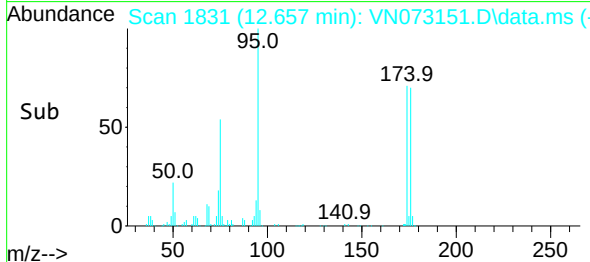
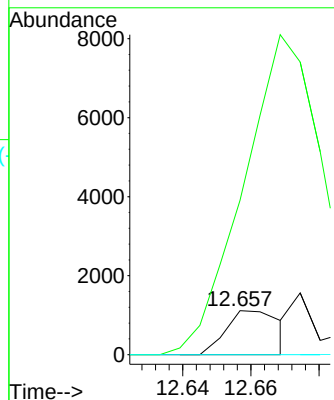
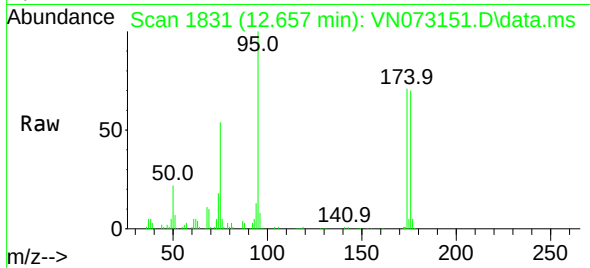




#71  
Bromoform  
Concen: 0.456 ug/l  
RT: 12.657 min Scan# 1831  
Delta R.T. 0.265 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

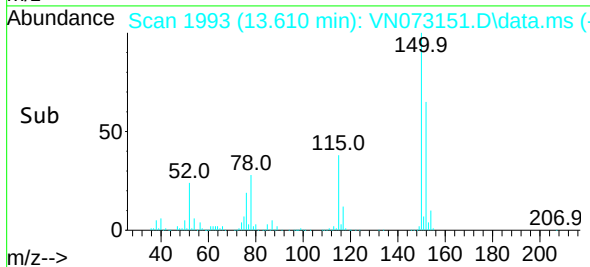
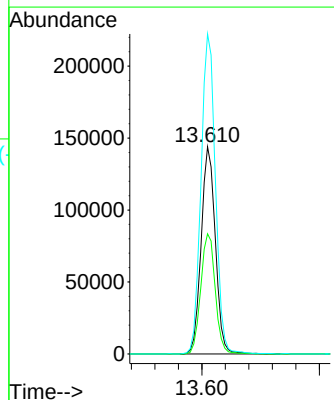
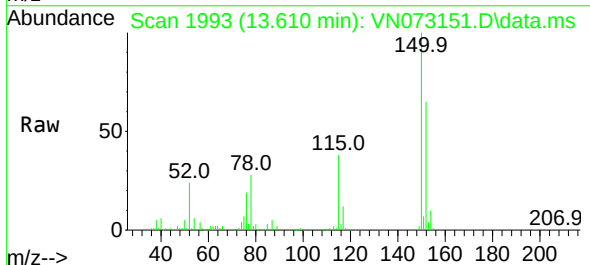
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

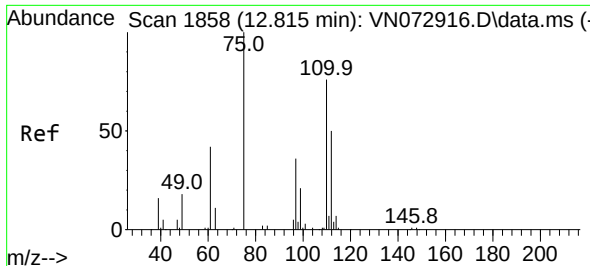
Tgt Ion:173 Resp: 1232  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 73.6#  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.610 min Scan# 1993  
Delta R.T. 0.000 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion:152 Resp: 241812  
Ion Ratio Lower Upper  
152 100  
115 59.2 28.9 86.7  
150 156.9 0.0 356.2

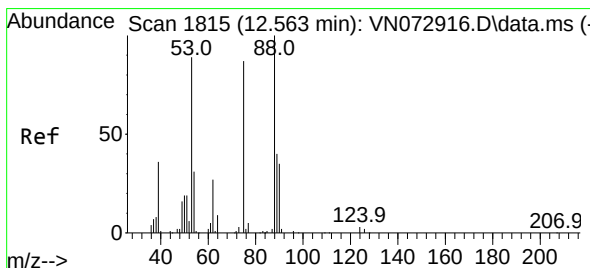
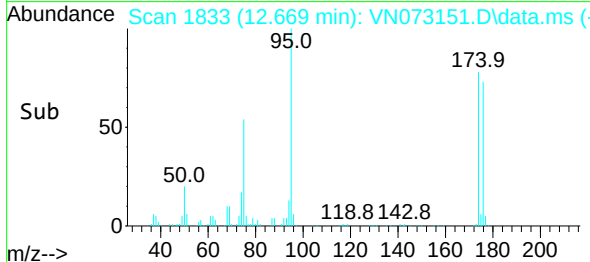
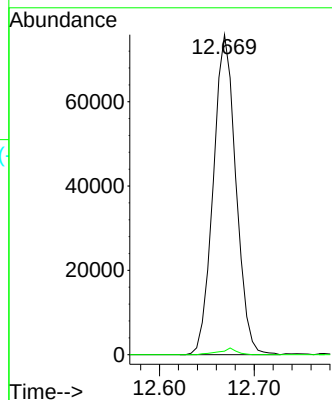
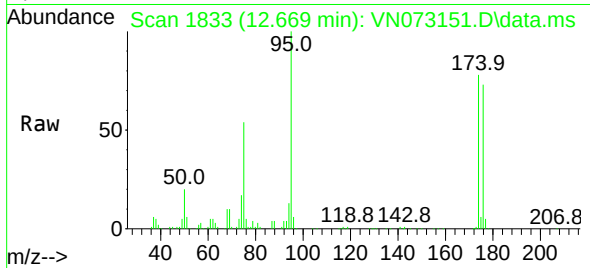




#76  
1,2,3-Trichloropropane  
Concen: 21.524 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. -0.147 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

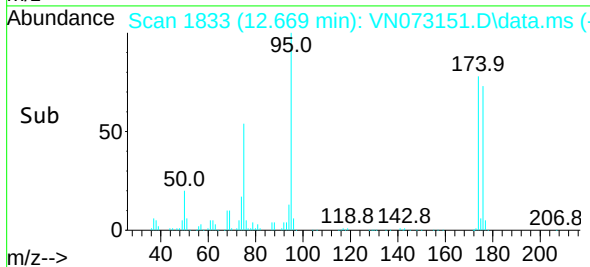
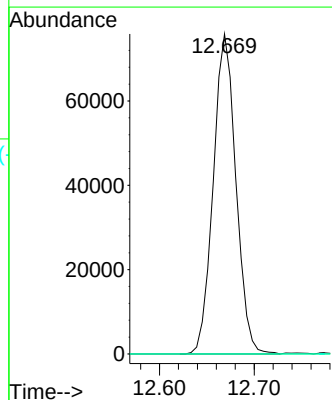
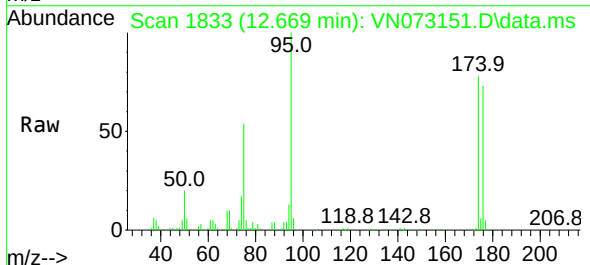
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0627WBL01

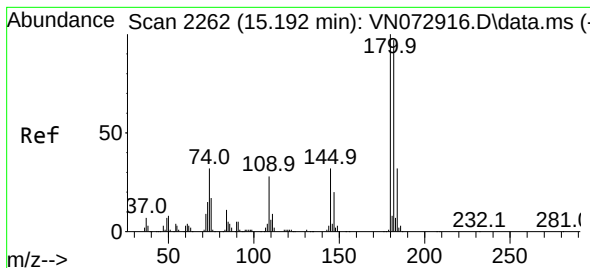
Tgt Ion: 75 Resp: 126187  
Ion Ratio Lower Upper  
75 100  
77 1.6 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.127 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.106 min  
Lab File: VN073151.D  
Acq: 27 Jun 2022 10:34

Tgt Ion: 75 Resp: 126187  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.214 ug/l

RT: 15.192 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN073151.D

Acq: 27 Jun 2022 10:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0627WBL01

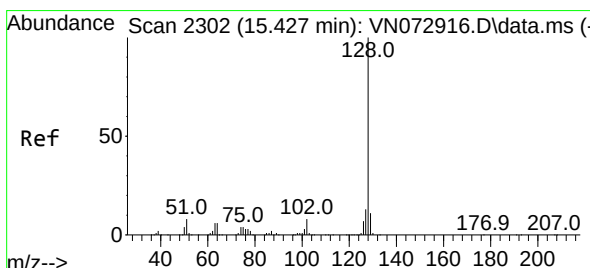
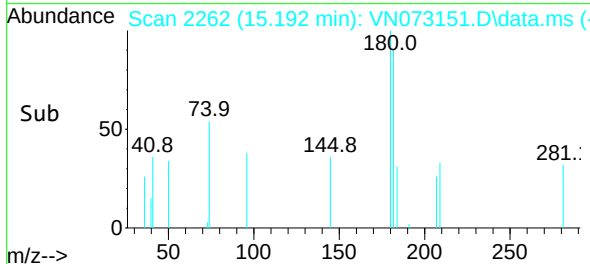
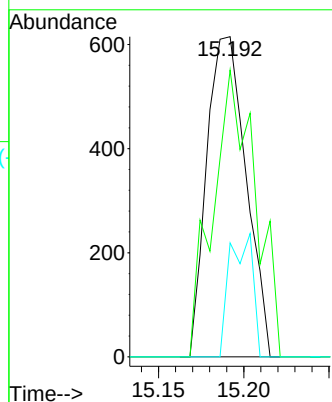
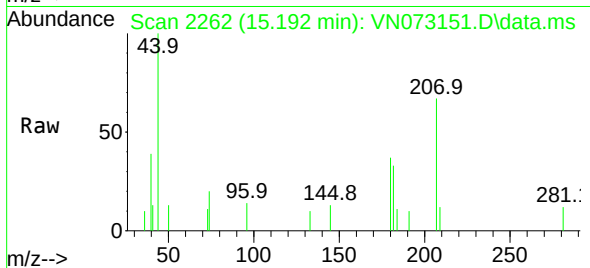
Tgt Ion:180 Resp: 986

Ion Ratio Lower Upper

180 100

182 96.8 47.5 142.5

145 22.7 14.5 43.5



#95

Naphthalene

Concen: 0.419 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073151.D

Acq: 27 Jun 2022 10:34

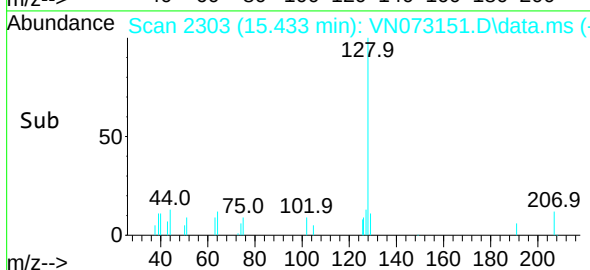
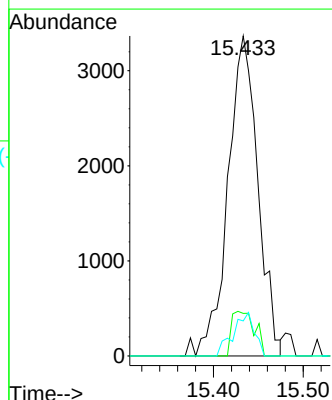
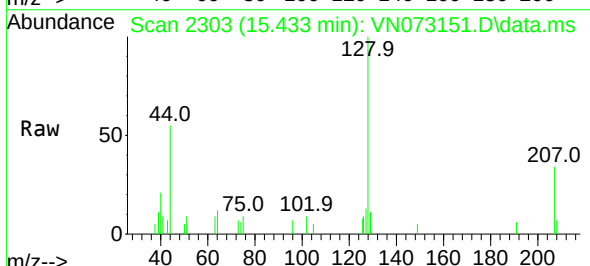
Tgt Ion:128 Resp: 7830

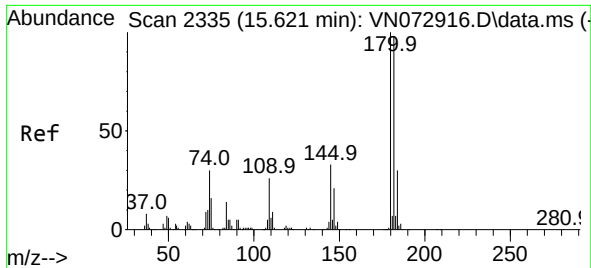
Ion Ratio Lower Upper

128 100

127 10.7 10.3 15.5

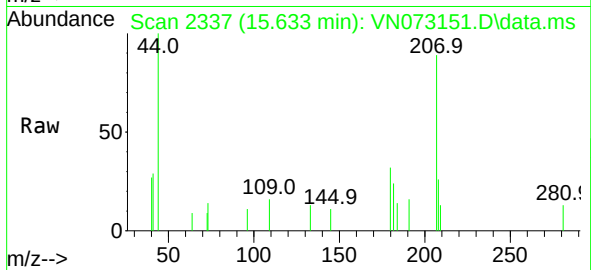
129 9.6 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.253 ug/l  
 RT: 15.633 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VN073151.D  
 Acq: 27 Jun 2022 10:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0627WBL01



Tgt Ion:180 Resp: 1248  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 47.8 143.3#  
 145 24.0 15.5 46.5

