

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110824\  
 Data File : VN084739.D  
 Acq On : 08 Nov 2024 10:44  
 Operator : JC\MD  
 Sample : VN1108WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 08 22:26:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.218  | 168  | 170398   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 297081   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 255691   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 113797   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 119910   | 48.722   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.440% |
| 35) Dibromofluoromethane    | 8.159  | 113   | 98292    | 48.880   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.760% |
| 50) Toluene-d8              | 10.565 | 98    | 337837   | 45.608   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 91.220% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 127156   | 45.931   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 91.860% |

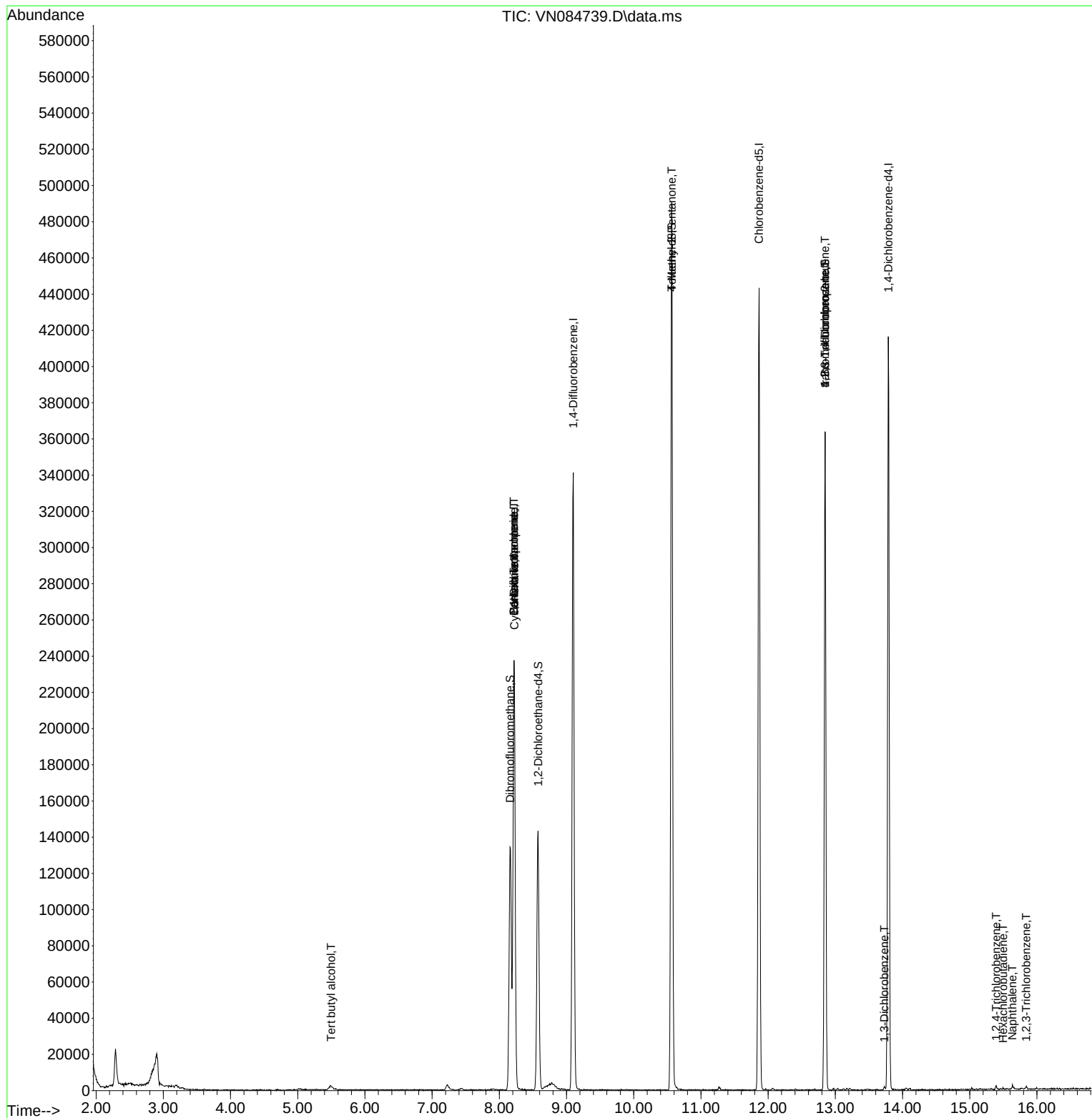
|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 3) Chloromethane              | 2.359  | 50  | 674    | Below Cal | #      | 79 |
| 6) Chloroethane               | 3.118  | 64  | 142    | Below Cal | #      | 45 |
| 11) Tert butyl alcohol        | 5.495  | 59  | 2349   | 7.231     | ug/l # | 73 |
| 18) Methyl Acetate            | 5.030  | 43  | 1597   | Below Cal | #      | 51 |
| 31) Cyclohexane               | 8.224  | 56  | 3914   | 1.152     | ug/l # | 4  |
| 36) 1,1-Dichloropropene       | 8.218  | 75  | 15197  | 5.449     | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 8.218  | 117 | 18514  | 5.939     | ug/l # | 16 |
| 43) Isopropyl Acetate         | 8.665  | 43  | 674    | Below Cal | #      | 56 |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43  | 1202   | 0.498     | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 64664  | 28.427    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 64664  | 67.440    | ug/l # | 11 |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146 | 1054   | 0.252     | ug/l   | 79 |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146 | 1054   | Below Cal |        | 80 |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180 | 812    | 0.369     | ug/l # | 73 |
| 94) Hexachlorobutadiene       | 15.494 | 225 | 254    | 0.263     | ug/l # | 62 |
| 95) Naphthalene               | 15.635 | 128 | 2276   | 0.346     | ug/l # | 77 |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180 | 889    | 0.416     | ug/l # | 86 |

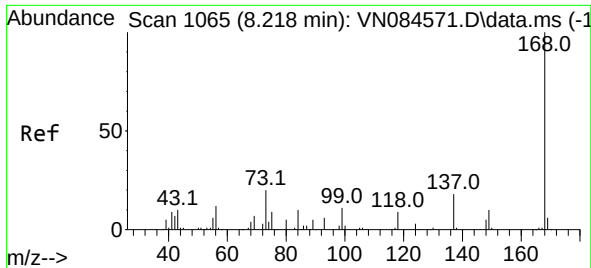
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110824\  
Data File : VN084739.D  
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Sample : VN1108WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 08 22:26:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration

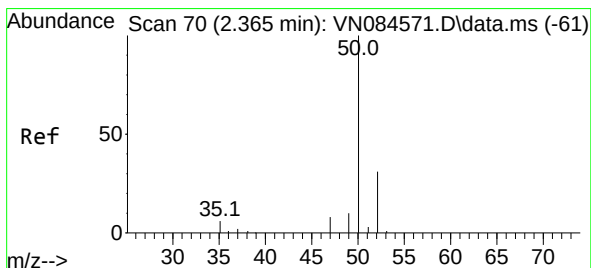
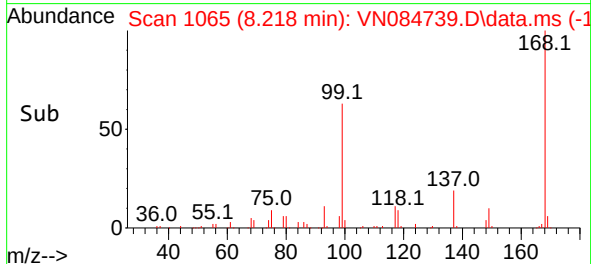
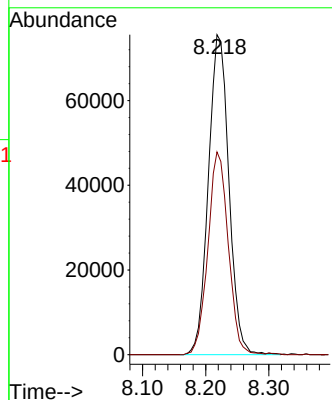
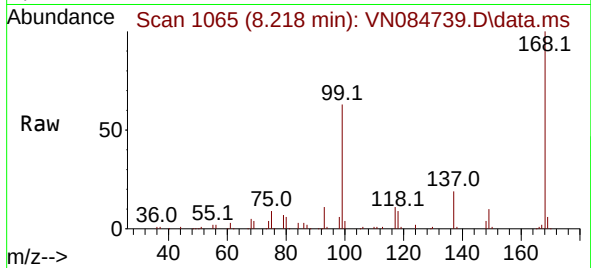




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

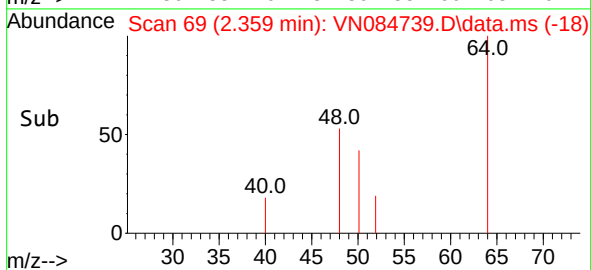
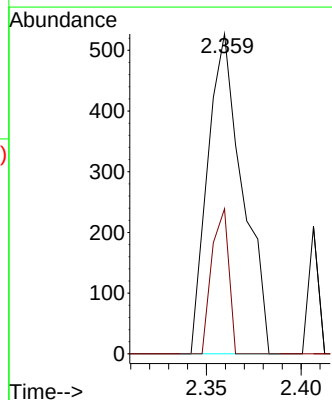
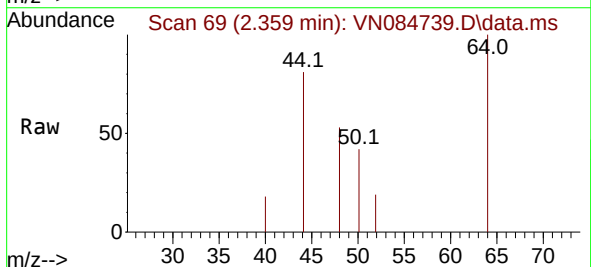
Instrument :  
MSVOA\_N  
ClientSampleId :

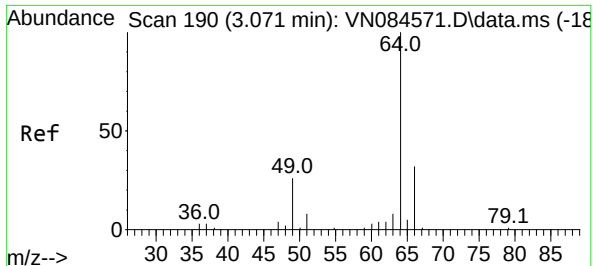
Tgt Ion:168 Resp: 170398  
Ion Ratio Lower Upper  
168 100  
99 63.3 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

Tgt Ion: 50 Resp: 674  
Ion Ratio Lower Upper  
50 100  
52 45.4 26.8 40.2#

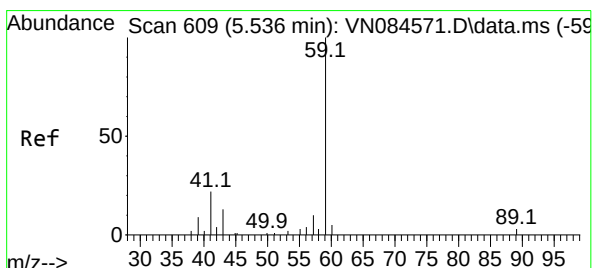
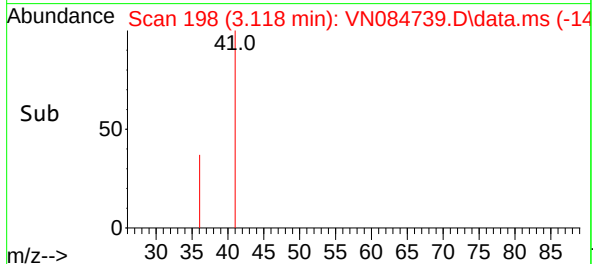
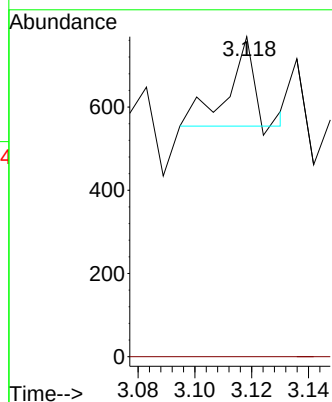
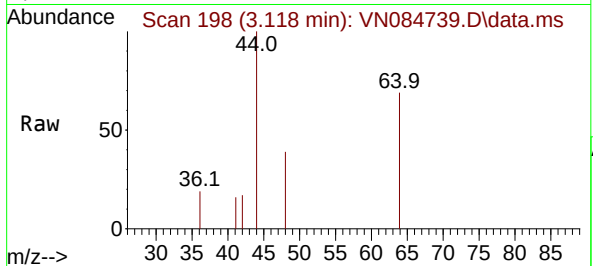




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.118 min Scan# 19  
Delta R.T. 0.000 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

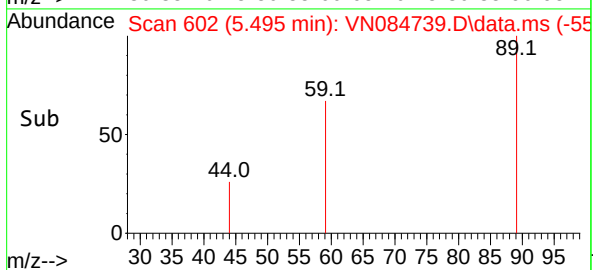
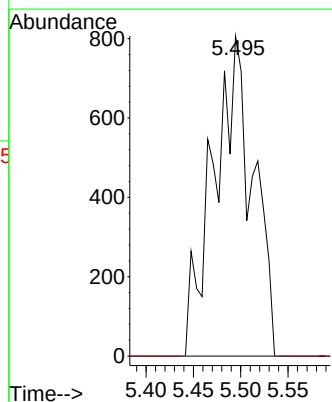
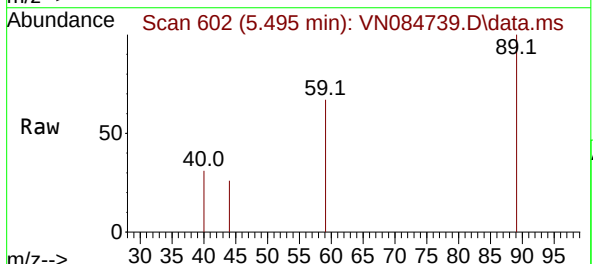
Instrument :  
MSVOA\_N  
ClientSampleId :

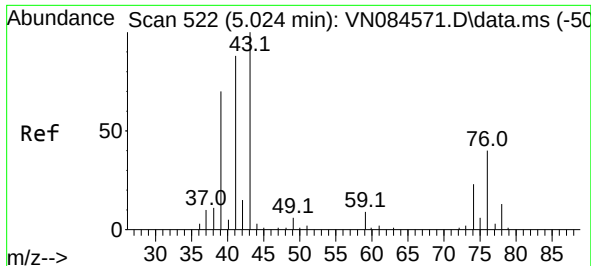
Tgt Ion: 64 Resp: 142  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.5 35.3#



#11  
Tert butyl alcohol  
Concen: 7.231 ug/l  
RT: 5.495 min Scan# 602  
Delta R.T. -0.029 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

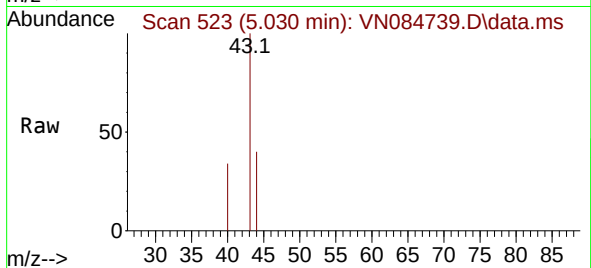
Tgt Ion: 59 Resp: 2349  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



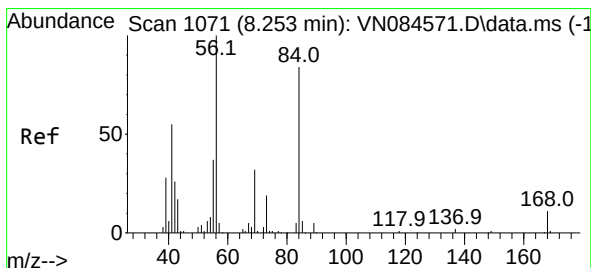
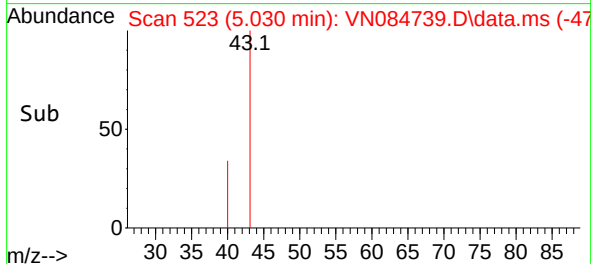
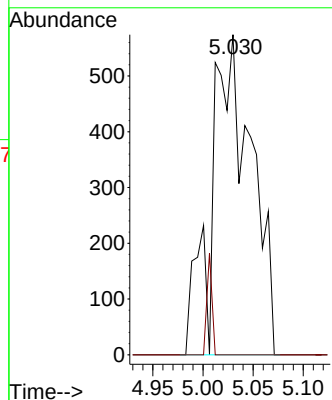


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.030 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

Instrument :  
MSVOA\_N  
ClientSampleId :

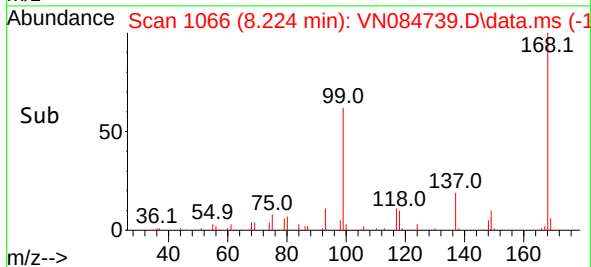
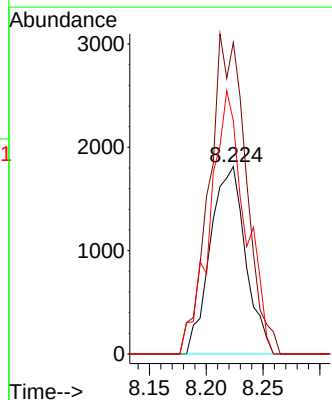
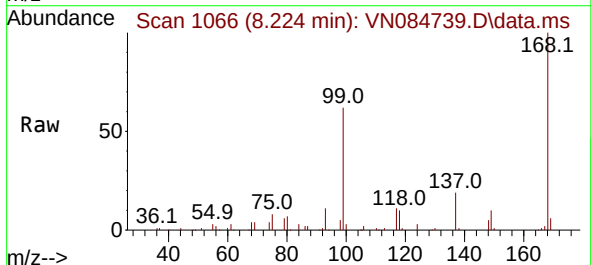


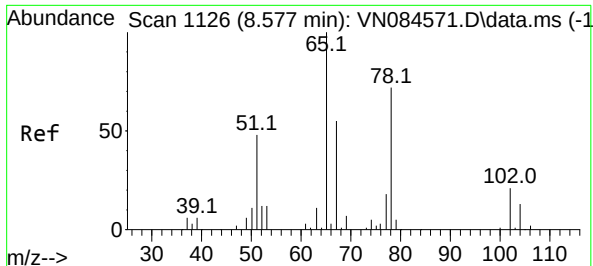
Tgt Ion: 43 Resp: 1597  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.2 28.8#



#31  
Cyclohexane  
Concen: 1.152 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

Tgt Ion: 56 Resp: 3914  
Ion Ratio Lower Upper  
56 100  
69 166.3 23.8 35.6#  
84 124.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.722 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

Instrument :

MSVOA\_N

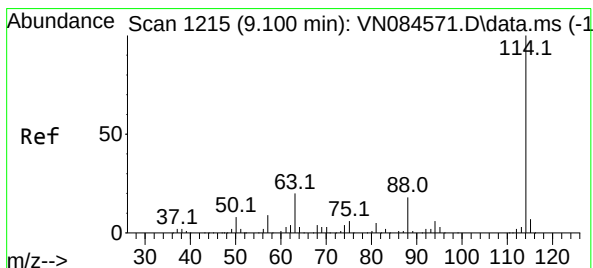
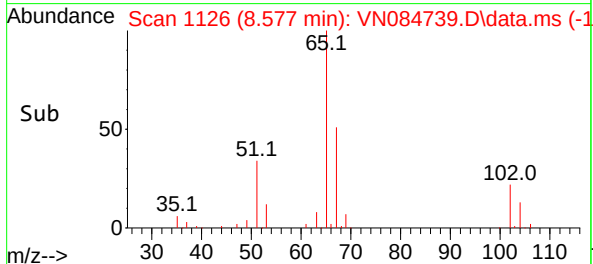
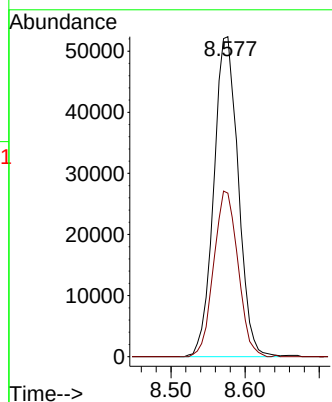
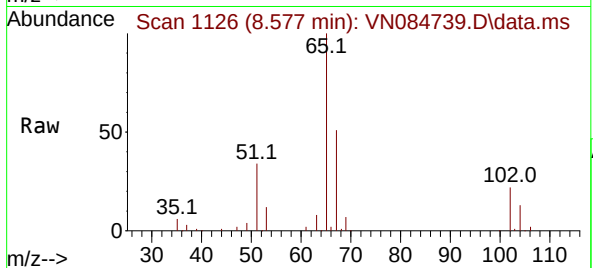
ClientSampleId :

Tgt Ion: 65 Resp: 119910

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

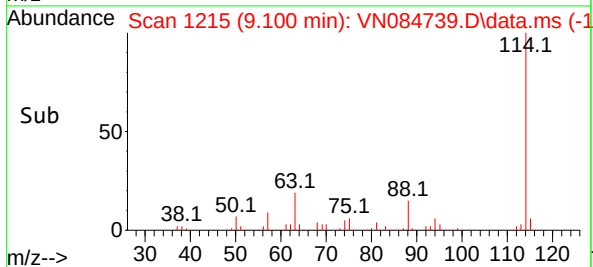
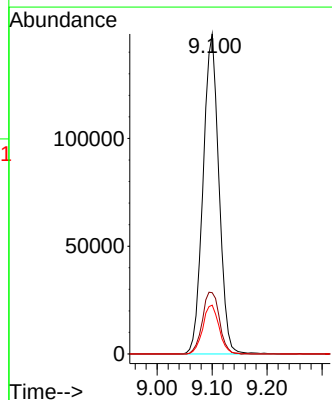
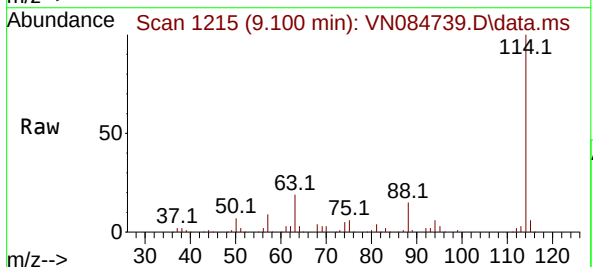
Tgt Ion: 114 Resp: 297081

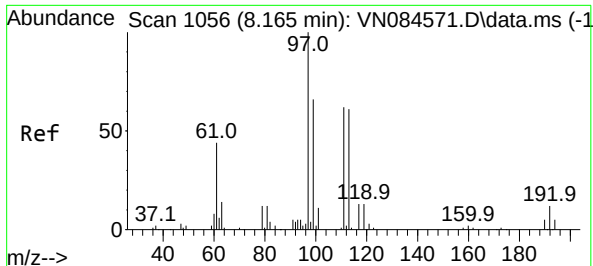
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.8

88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.880 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

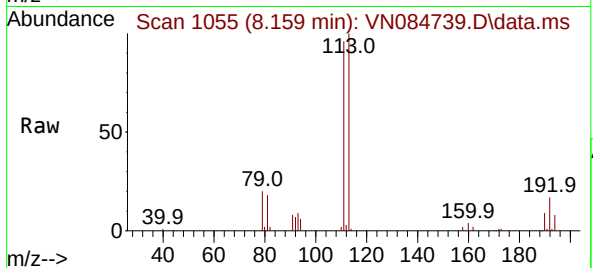
Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

Instrument :

MSVOA\_N

ClientSampleId :



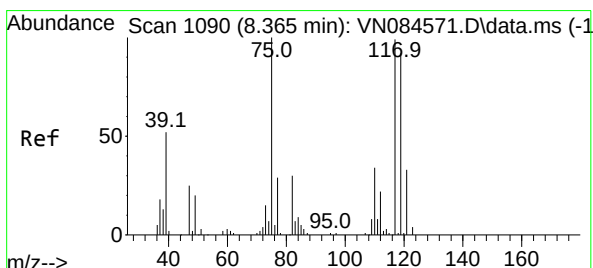
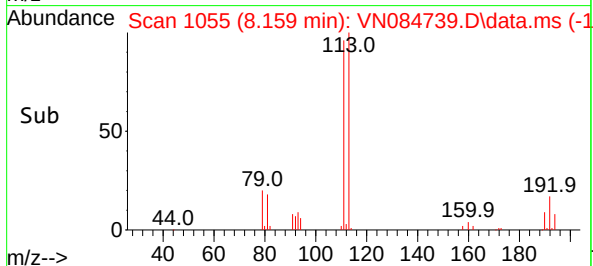
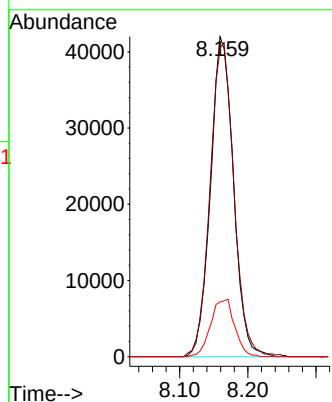
Tgt Ion:113 Resp: 98292

Ion Ratio Lower Upper

113 100

111 101.9 83.3 124.9

192 18.7 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.449 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

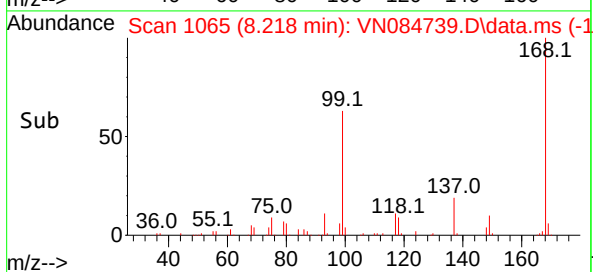
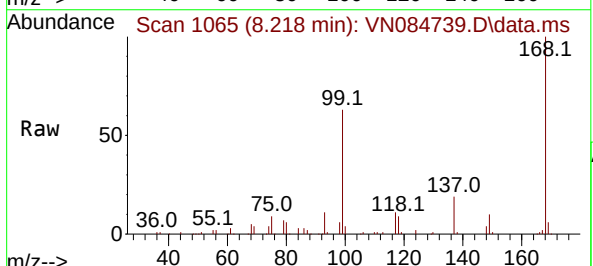
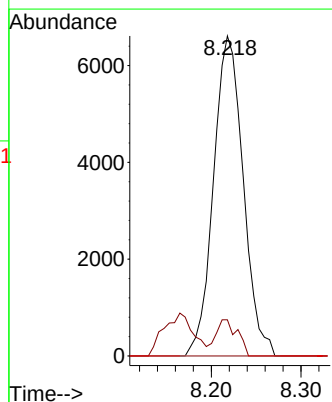
Tgt Ion: 75 Resp: 15197

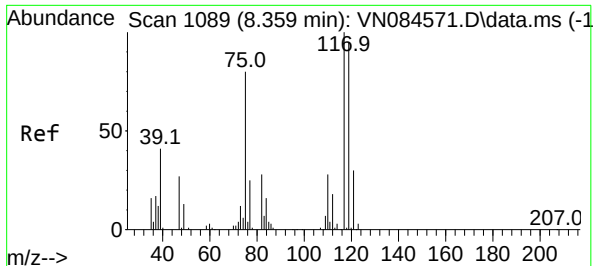
Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.7#

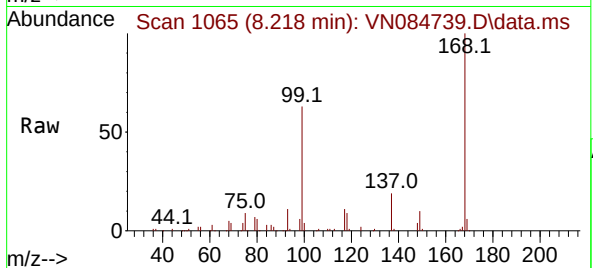
77 0.0 24.7 37.1#



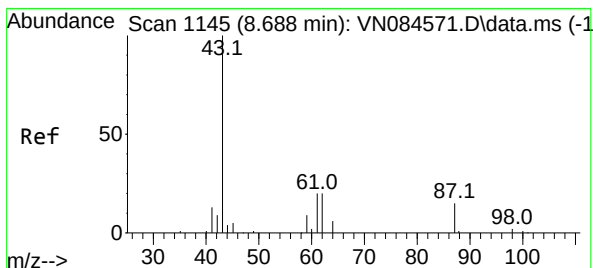
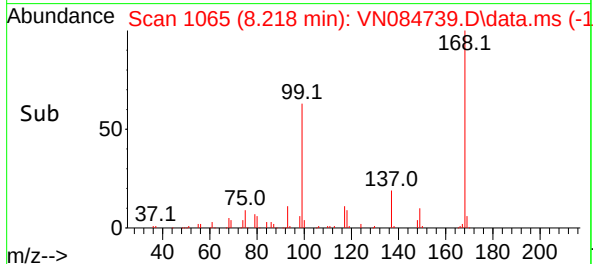
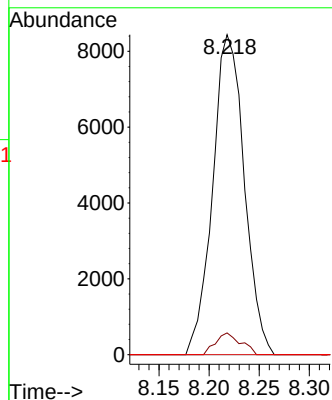


#38  
Carbon Tetrachloride  
Concen: 5.939 ug/l  
RT: 8.218 min Scan# 110  
Delta R.T. -0.141 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

Instrument :  
MSVOA\_N  
ClientSampleId :

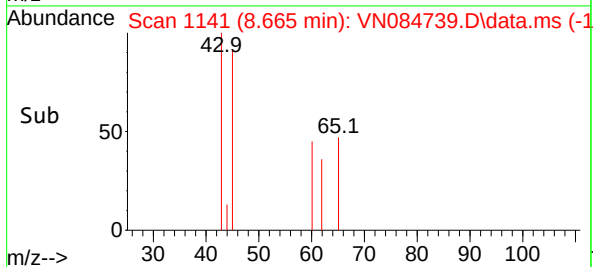
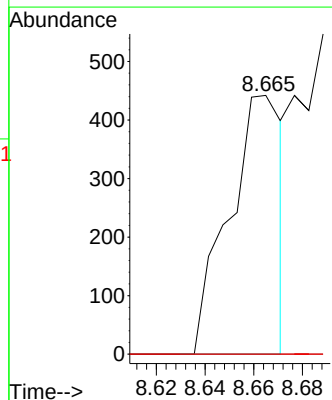
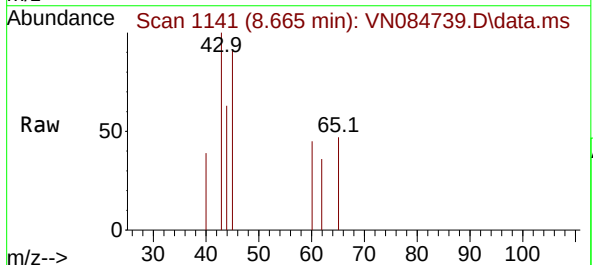


Tgt Ion:117 Resp: 18514  
Ion Ratio Lower Upper  
117 100  
119 6.8 78.7 118.1#  
121 0.0 24.4 36.6#

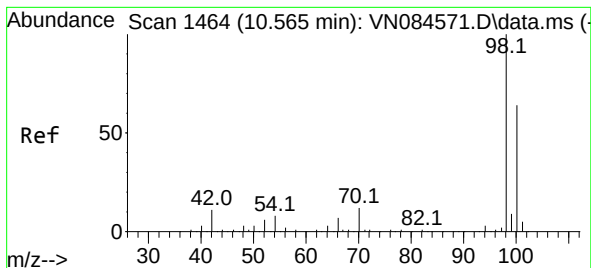


#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.023 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

Tgt Ion: 43 Resp: 674  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 10.3 15.5#







#50

Toluene-d8

Concen: 45.608 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

Instrument :

MSVOA\_N

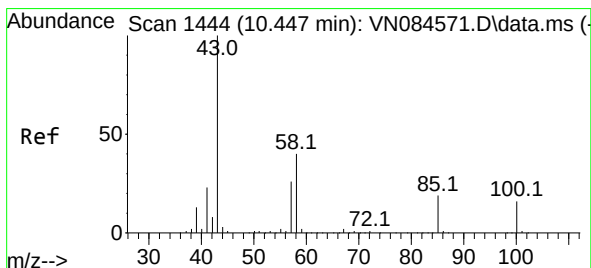
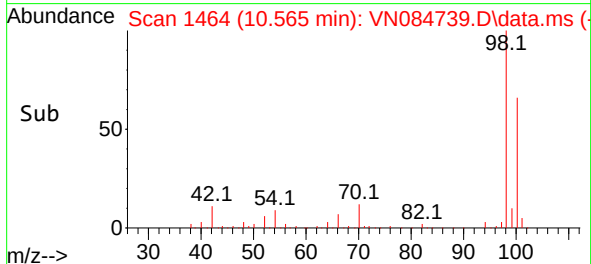
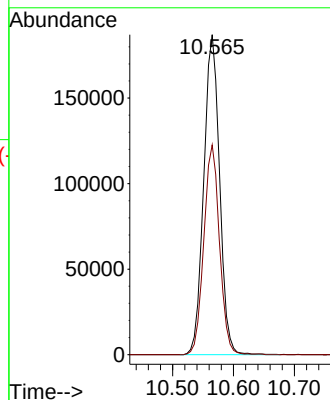
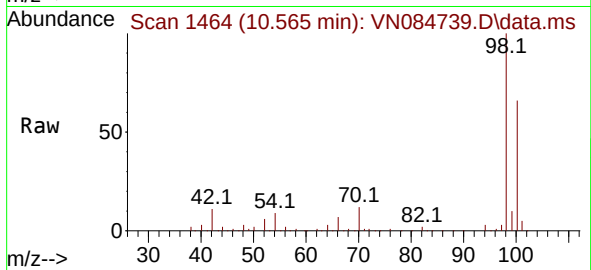
ClientSampleId :

Tgt Ion: 98 Resp: 337837

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.498 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN084739.D

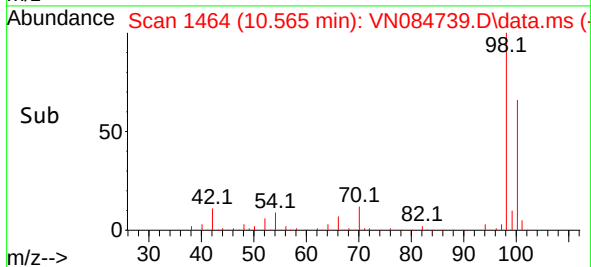
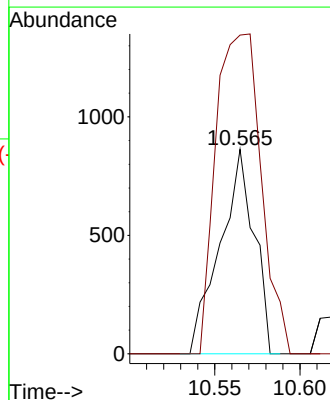
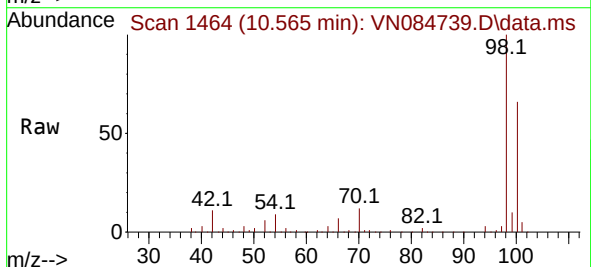
Acq: 08 Nov 2024 10:44

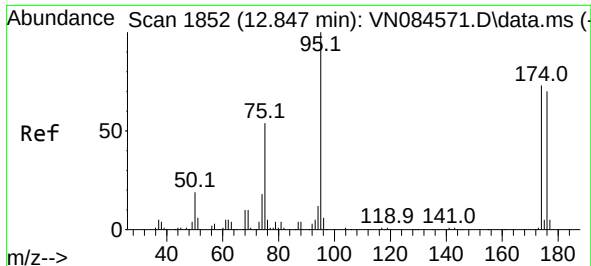
Tgt Ion: 43 Resp: 1202

Ion Ratio Lower Upper

43 100

58 207.5 31.6 47.4#





#62

4-Bromofluorobenzene

Concen: 45.931 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

Instrument :

MSVOA\_N

ClientSampleId :

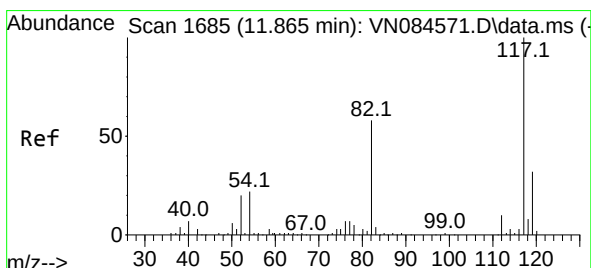
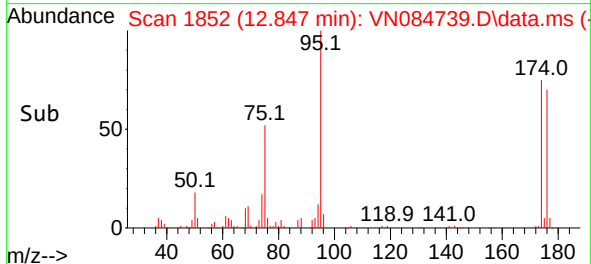
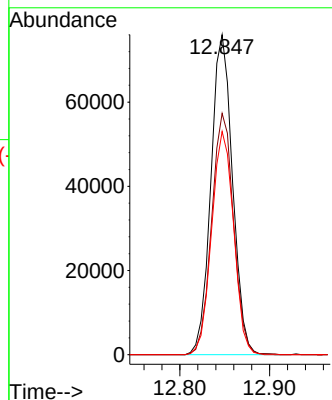
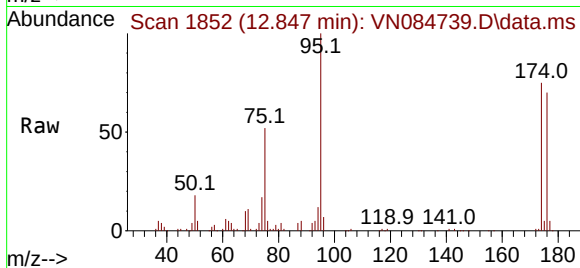
Tgt Ion: 95 Resp: 127156

Ion Ratio Lower Upper

95 100

174 76.6 0.0 145.2

176 70.9 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

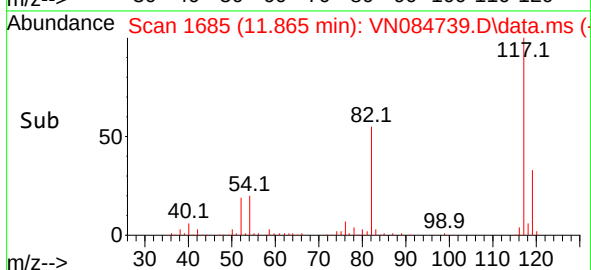
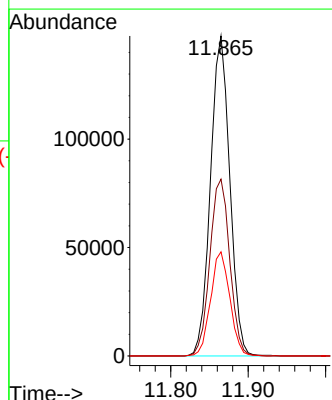
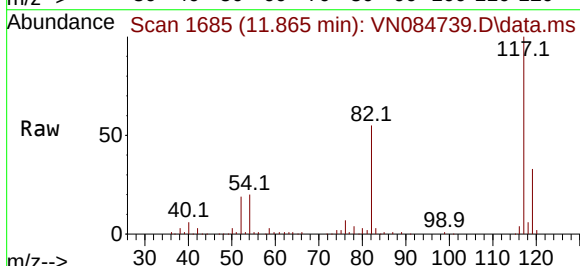
Tgt Ion: 117 Resp: 255691

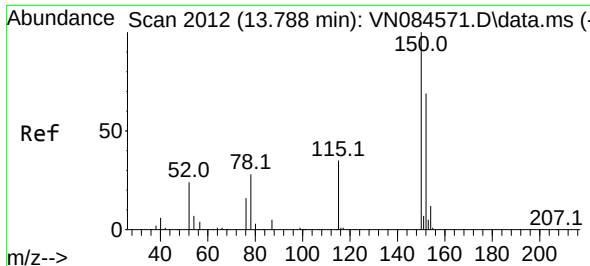
Ion Ratio Lower Upper

117 100

82 55.2 47.2 70.8

119 32.5 25.4 38.0

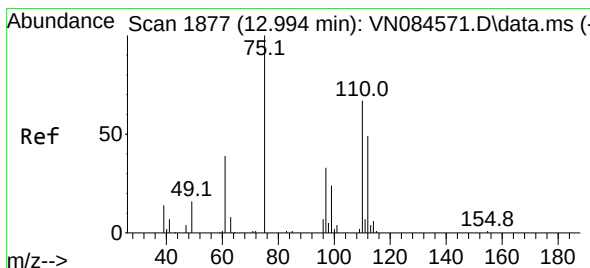
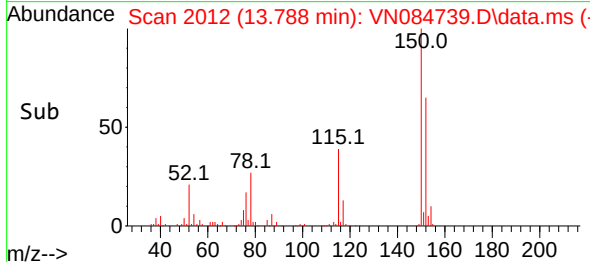
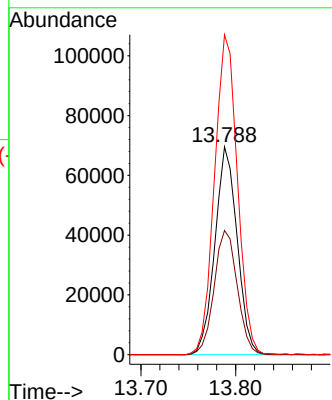
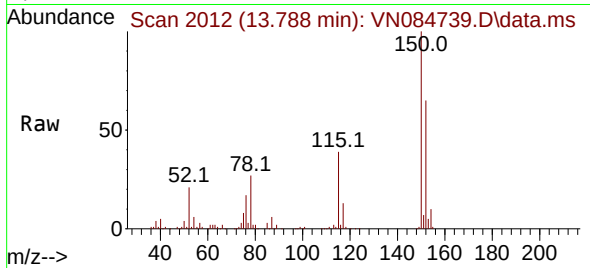




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN084739.D  
 Acq: 08 Nov 2024 10:44

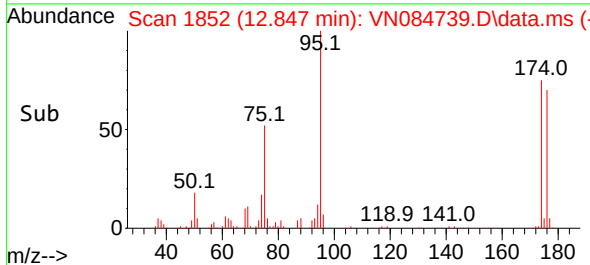
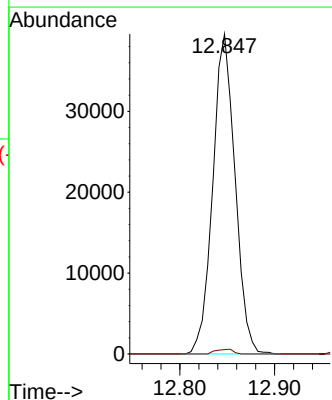
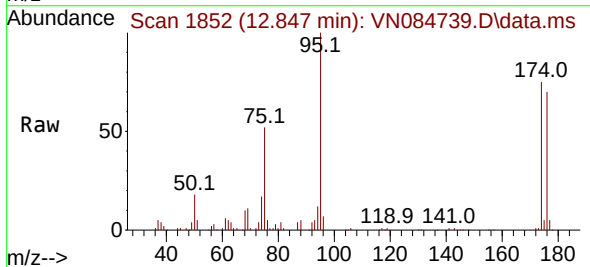
Instrument :  
 MSVOA\_N  
 ClientSampleId :

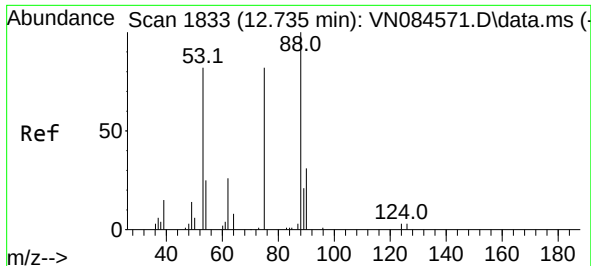
Tgt Ion:152 Resp: 113797  
 Ion Ratio Lower Upper  
 152 100  
 115 61.9 31.3 93.9  
 150 158.3 0.0 349.8



#76  
 1,2,3-Trichloropropane  
 Concen: 28.427 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.141 min  
 Lab File: VN084739.D  
 Acq: 08 Nov 2024 10:44

Tgt Ion: 75 Resp: 64664  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 96.9 290.7#

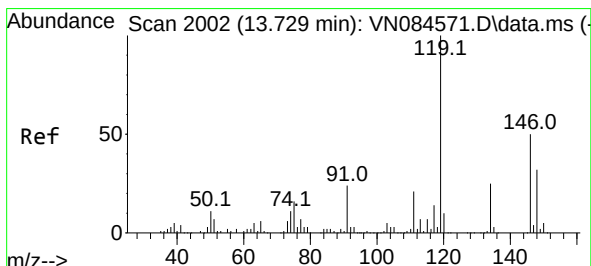
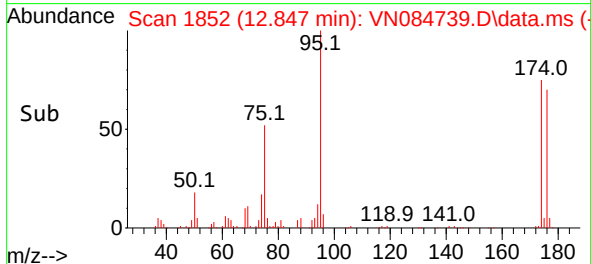
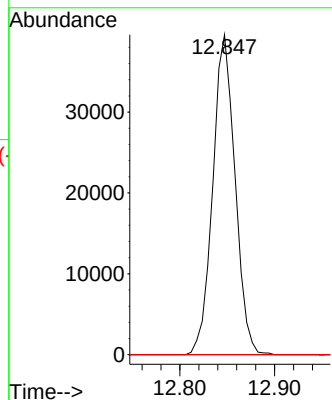
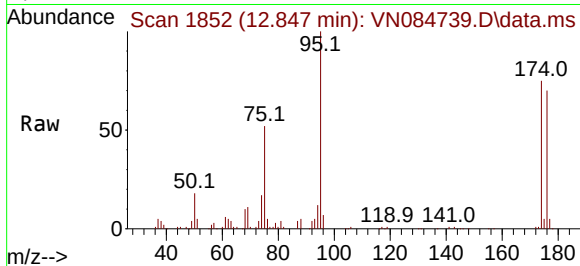




#81  
trans-1,4-Dichloro-2-butene  
Concen: 67.440 ug/l  
RT: 12.847 min Scan# 1833  
Delta R.T. 0.112 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

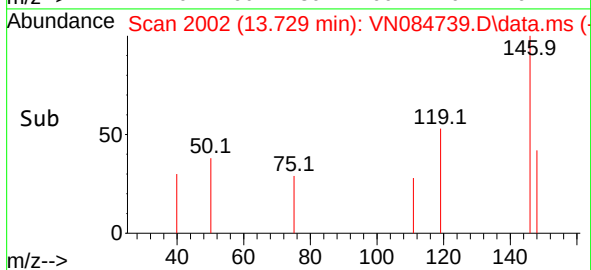
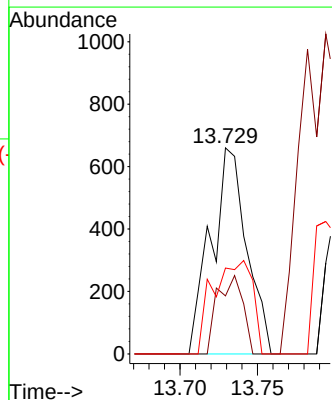
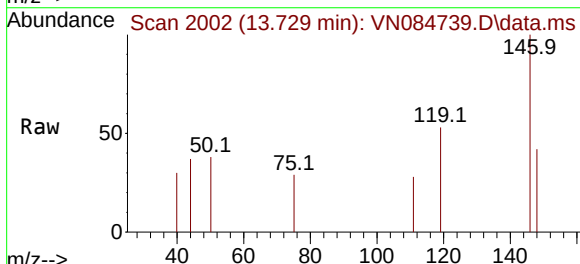
Instrument :  
MSVOA\_N  
ClientSampleId :

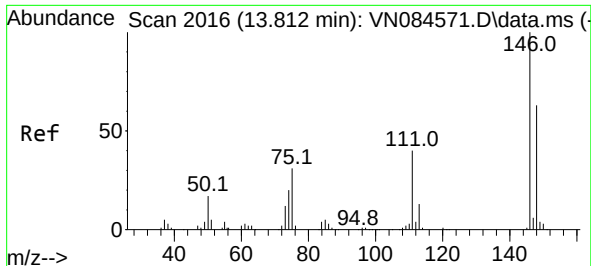
Tgt Ion: 75 Resp: 64664  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 35.5 53.3#



#87  
1,3-Dichlorobenzene  
Concen: 0.252 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

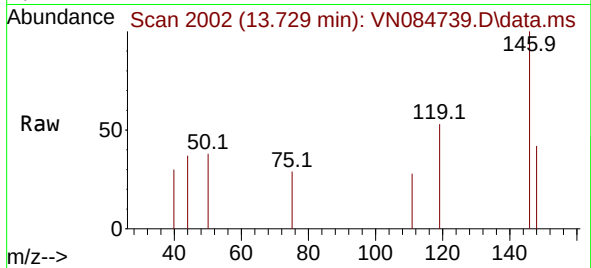
Tgt Ion:146 Resp: 1054  
Ion Ratio Lower Upper  
146 100  
111 27.0 21.8 65.3  
148 50.3 31.9 95.7



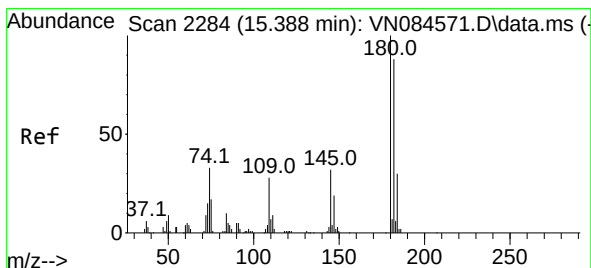
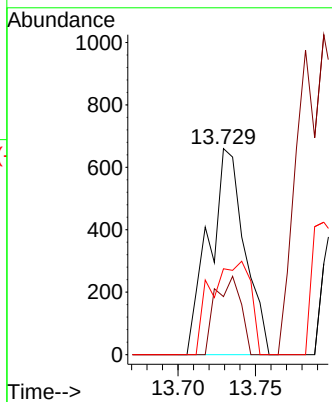
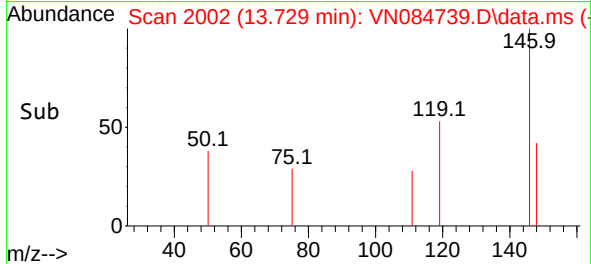


#88  
1,4-Dichlorobenzene  
Concen: Below Cal  
RT: 13.729 min Scan# 2016  
Delta R.T. -0.083 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

Instrument :  
MSVOA\_N  
ClientSampleId :

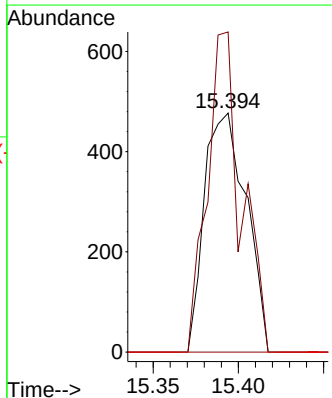
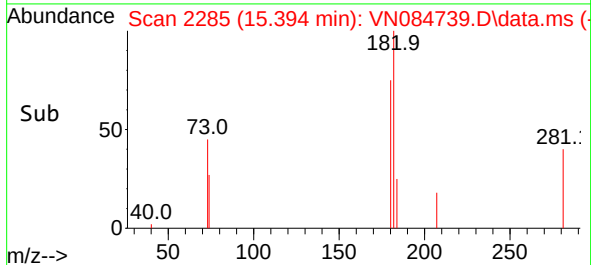
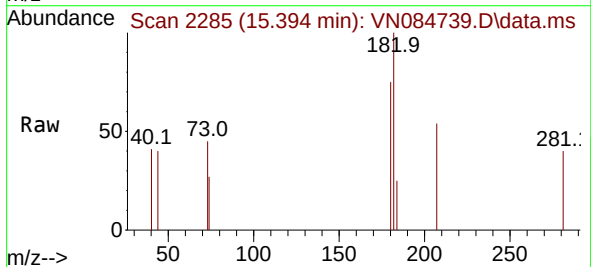


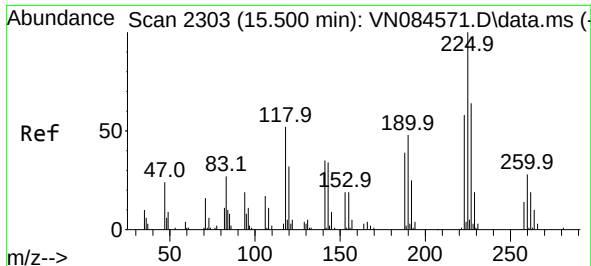
Tgt Ion:146 Resp: 1054  
Ion Ratio Lower Upper  
146 100  
111 27.0 21.2 63.6  
148 50.3 31.9 95.9



#93  
1,2,4-Trichlorobenzene  
Concen: 0.369 ug/l  
RT: 15.394 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

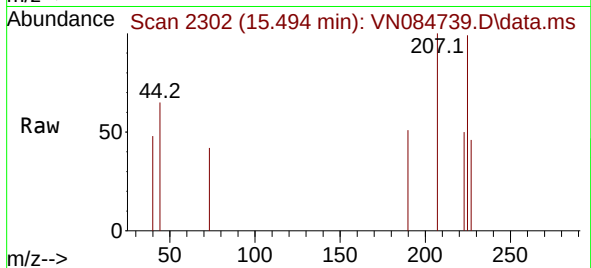
Tgt Ion:180 Resp: 812  
Ion Ratio Lower Upper  
180 100  
182 109.6 47.0 141.0  
145 0.0 16.4 49.4#



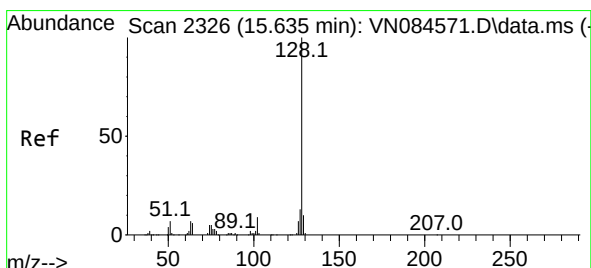
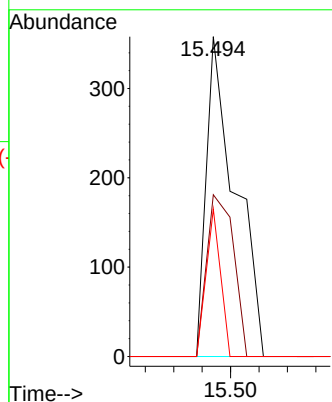
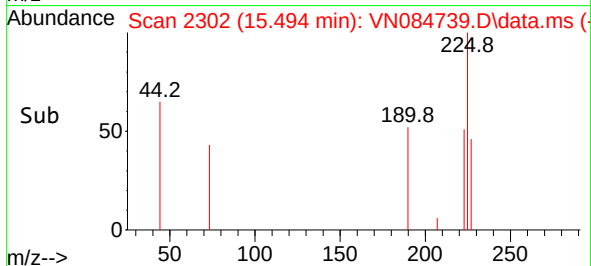


#94  
Hexachlorobutadiene  
Concen: 0.263 ug/l  
RT: 15.494 min Scan# 2302  
Delta R.T. -0.006 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44

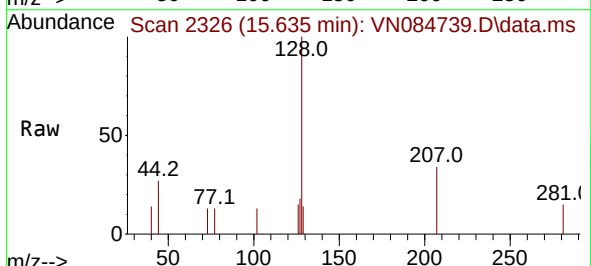
Instrument :  
MSVOA\_N  
ClientSampleId :



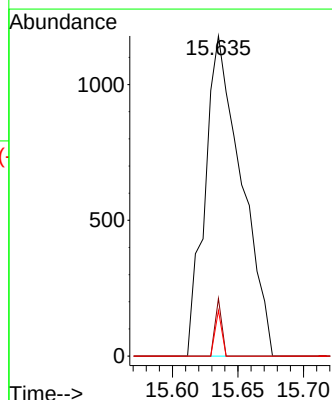
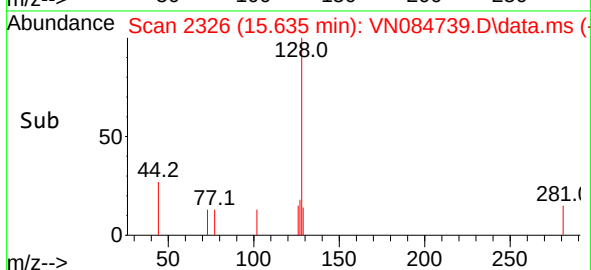
Tgt Ion:225 Resp: 254  
Ion Ratio Lower Upper  
225 100  
223 46.9 32.4 97.2  
227 22.8 32.4 97.0#

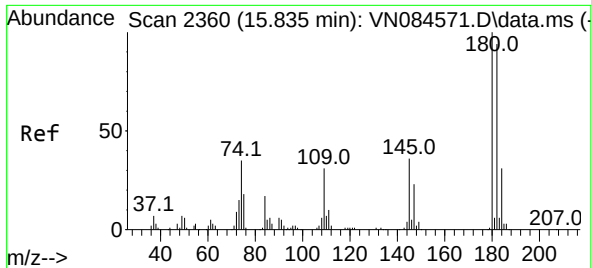


#95  
Naphthalene  
Concen: 0.346 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN084739.D  
Acq: 08 Nov 2024 10:44



Tgt Ion:128 Resp: 2276  
Ion Ratio Lower Upper  
128 100  
127 3.3 10.5 15.7#  
129 2.6 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.416 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.006 min

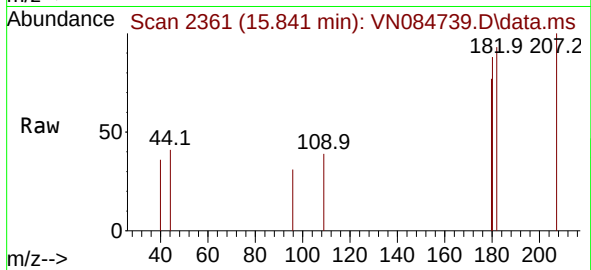
Lab File: VN084739.D

Acq: 08 Nov 2024 10:44

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:180 Resp: 889

Ion Ratio Lower Upper

180 100

182 99.0 48.2 144.6

145 8.9 17.3 51.9#

