

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081924\  
 Data File : VN083378.D  
 Acq On : 19 Aug 2024 17:29  
 Operator : JC\MD  
 Sample : P3643-16  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 20 04:49:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

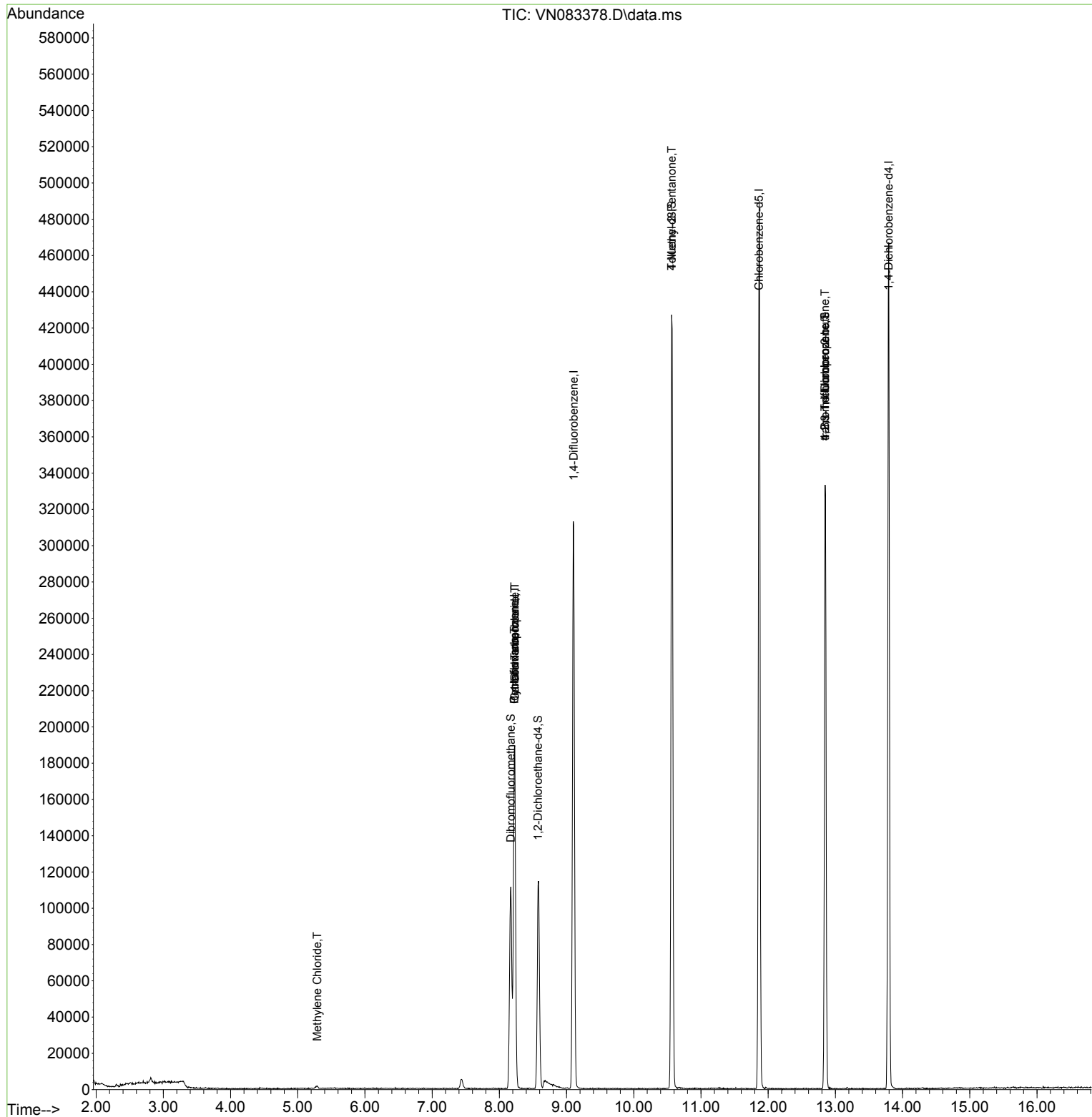
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 133915              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 268412              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 271721              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 120282              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 101252              | 53.119    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 106.240% |           |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 81404               | 48.589    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 97.180%  |           |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 292111              | 46.741    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 93.480%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 121199              | 49.745    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 99.480%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 20) Methylene Chloride        | 5.289          | 84   | 1015                | 0.591     | ug/l # | 46       |
| 31) Cyclohexane               | 8.224          | 56   | 3238                | 1.146     | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 12323               | 4.862     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 15335               | 5.372     | ug/l # | 18       |
| 43) Isopropyl Acetate         | 8.677          | 43   | 2791                | Below Cal | #      | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.565         | 43   | 1602                | 0.597     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 65462               | 24.797    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 65462               | 53.940    | ug/l # | 6        |
| -----                         |                |      |                     |           |        |          |

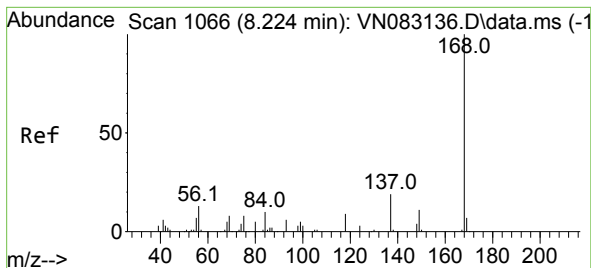
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 04:49:05 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083378.D

Acq: 19 Aug 2024 17:29

Instrument :

MSVOA\_N

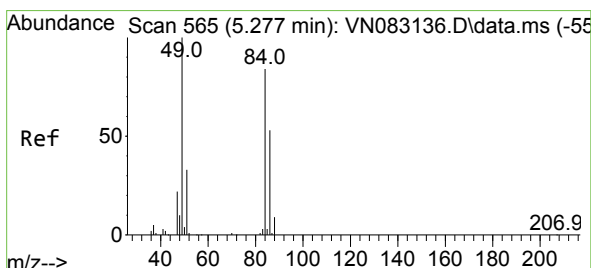
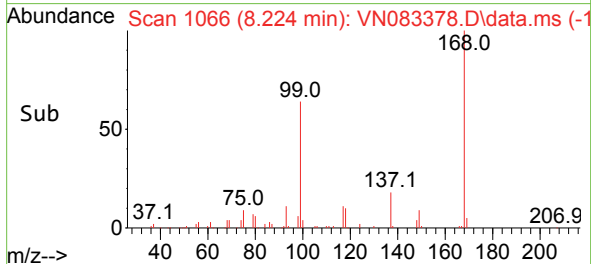
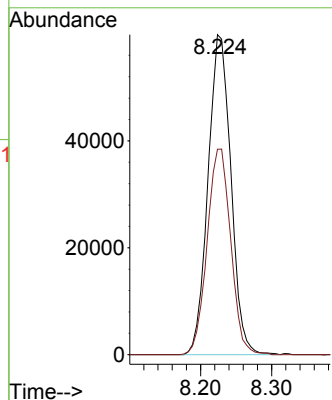
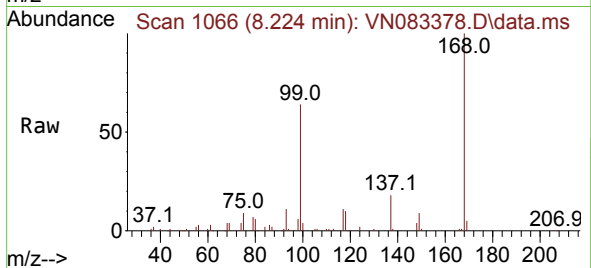
ClientSampleId :

Tgt Ion:168 Resp: 133915

Ion Ratio Lower Upper

168 100

99 64.2 48.2 72.4



#20

Methylene Chloride

Concen: 0.591 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.012 min

Lab File: VN083378.D

Acq: 19 Aug 2024 17:29

Tgt Ion: 84 Resp: 1015

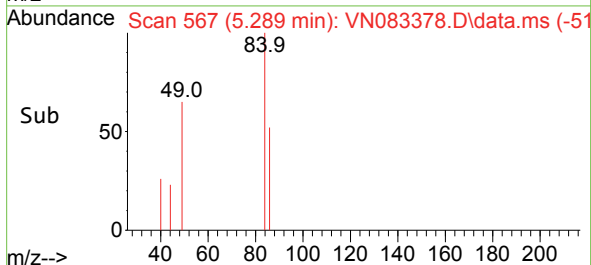
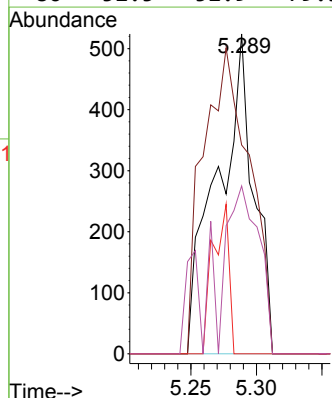
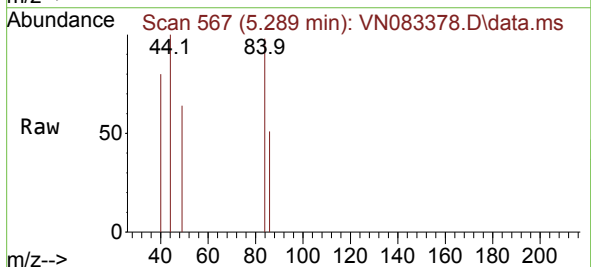
Ion Ratio Lower Upper

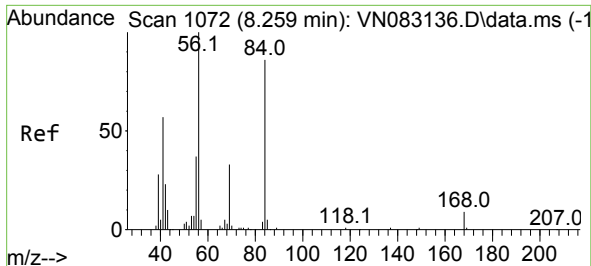
84 100

49 65.3 119.6 179.4#

51 0.0 34.8 52.2#

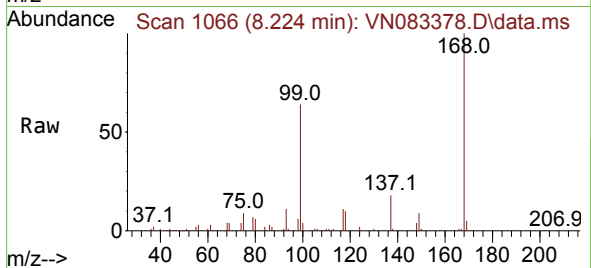
86 52.5 52.9 79.3#



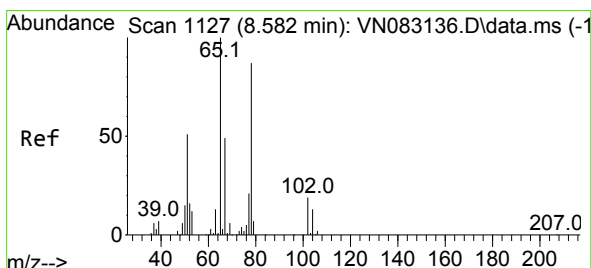
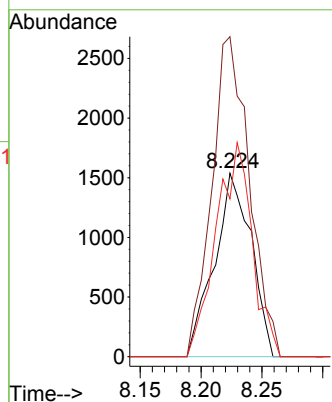
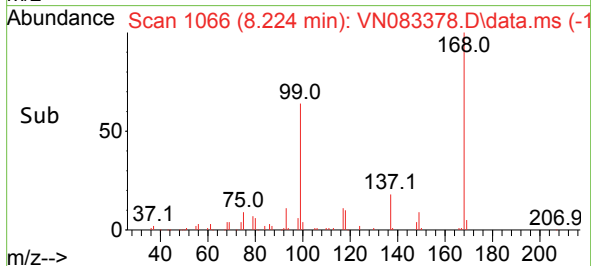


#31  
Cyclohexane  
Concen: 1.146 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

Instrument :  
MSVOA\_N  
ClientSampleId :

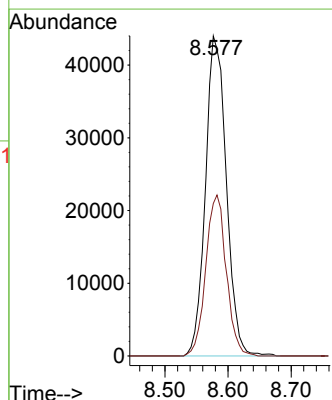
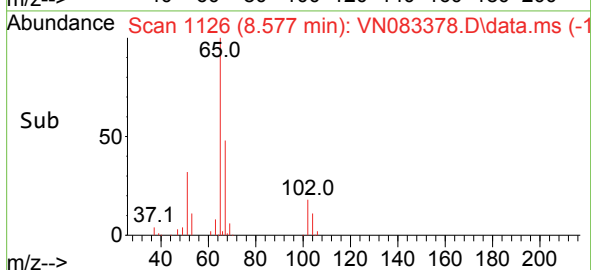
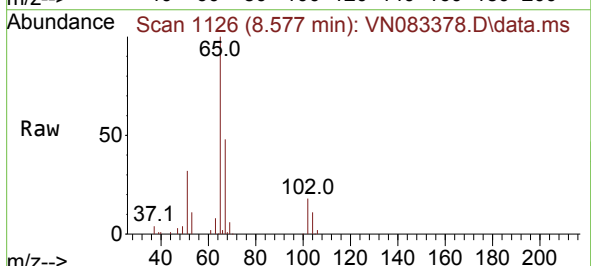


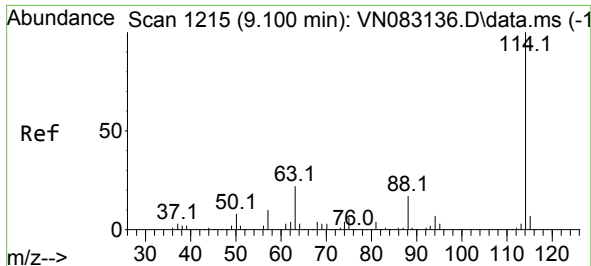
Tgt Ion: 56 Resp: 3238  
Ion Ratio Lower Upper  
56 100  
69 174.5 24.5 36.7#  
84 86.0 66.0 99.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.119 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.005 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

Tgt Ion: 65 Resp: 101252  
Ion Ratio Lower Upper  
65 100  
67 49.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083378.D

Acq: 19 Aug 2024 17:29

Instrument :

MSVOA\_N

ClientSampleId :

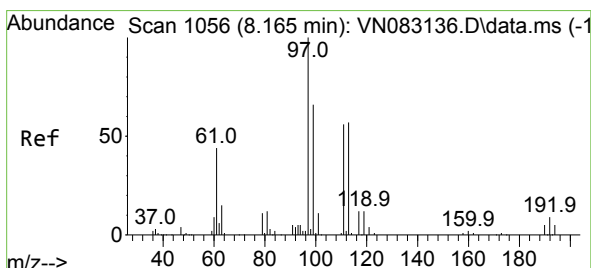
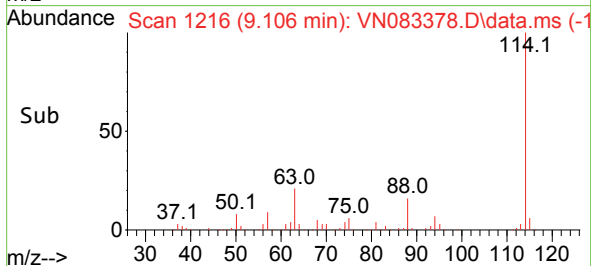
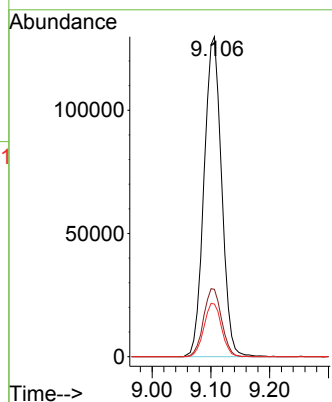
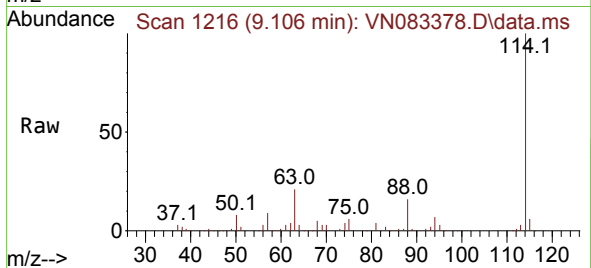
Tgt Ion:114 Resp: 268412

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.6

88 16.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.589 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083378.D

Acq: 19 Aug 2024 17:29

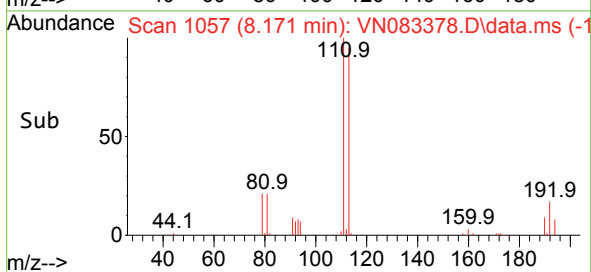
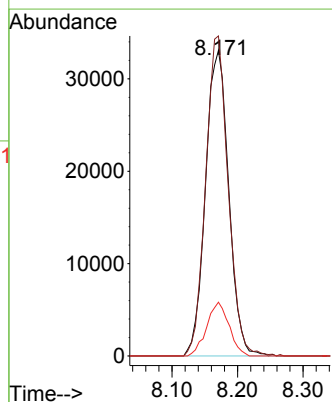
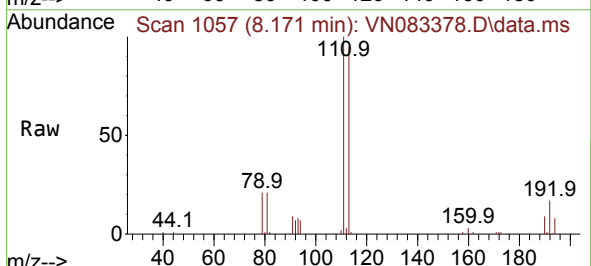
Tgt Ion:113 Resp: 81404

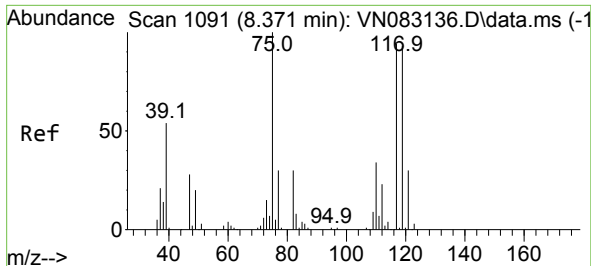
Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

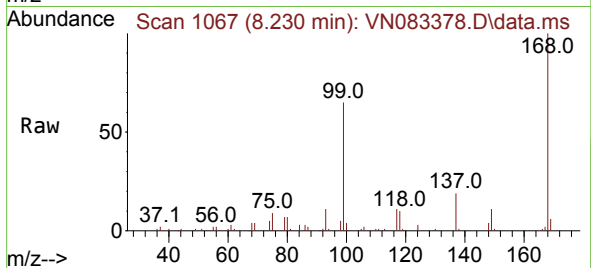
192 16.9 14.9 22.3



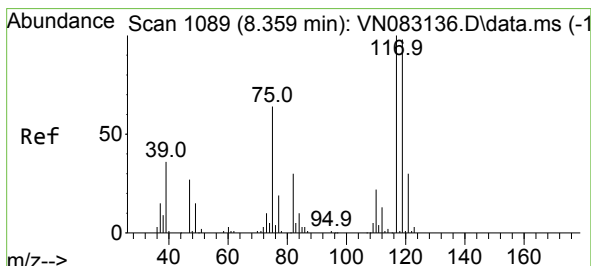
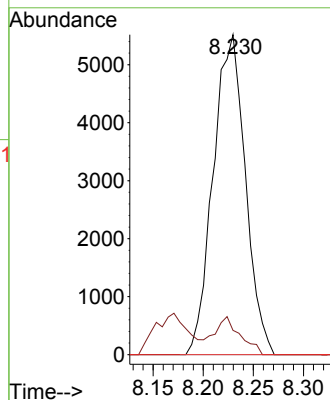
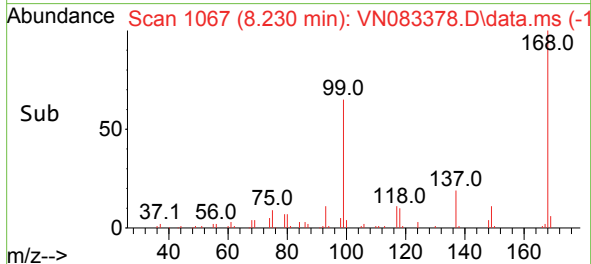


#36  
1,1-Dichloropropene  
Concen: 4.862 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

Instrument :  
MSVOA\_N  
ClientSampleId :

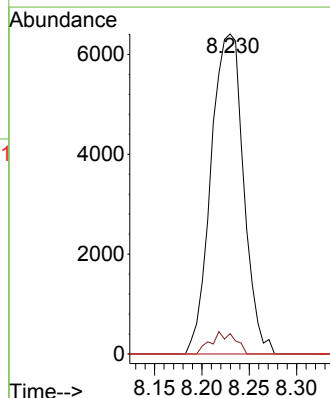
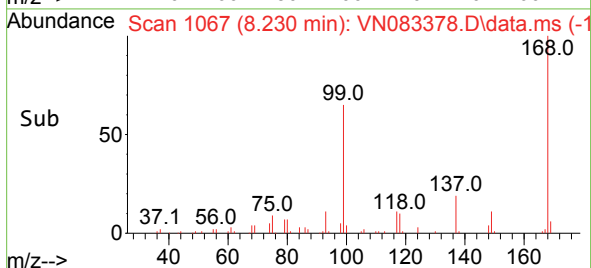
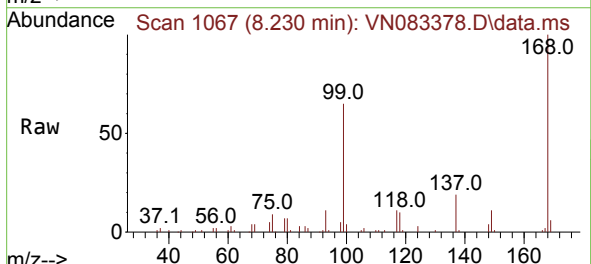


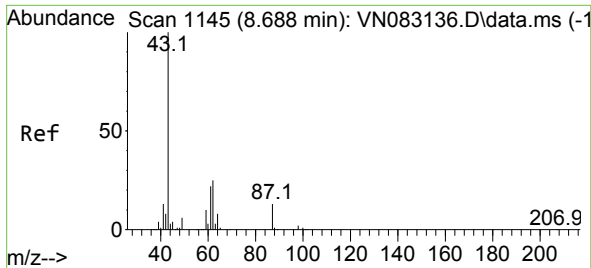
Tgt Ion: 75 Resp: 12323  
Ion Ratio Lower Upper  
75 100  
110 9.4 16.3 48.9#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.372 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.129 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

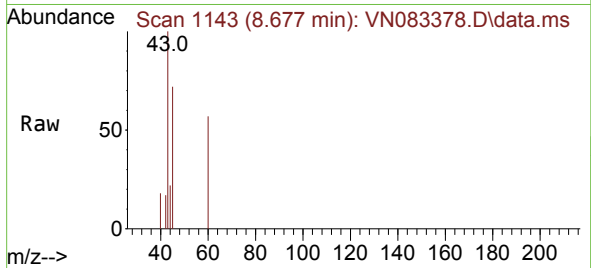
Tgt Ion: 117 Resp: 15335  
Ion Ratio Lower Upper  
117 100  
119 6.4 74.9 112.3#  
121 0.0 24.3 36.5#



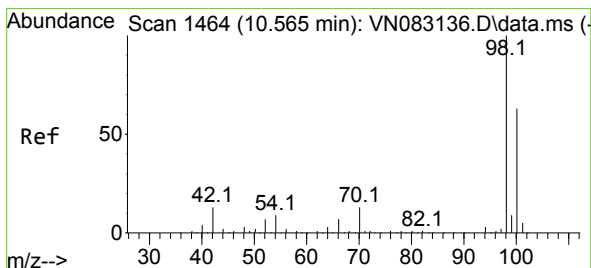
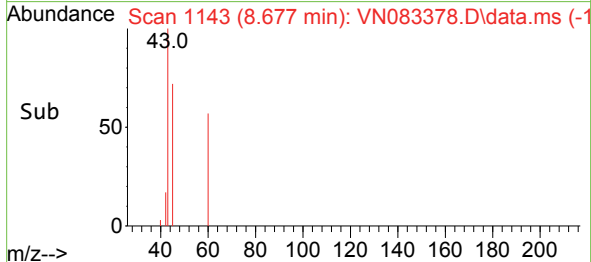
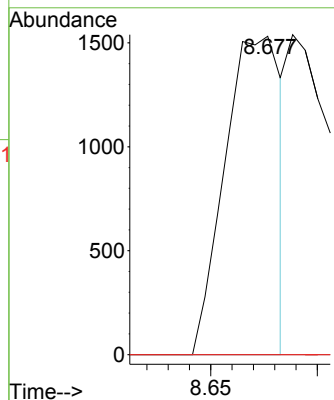


#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.011 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

Instrument :  
MSVOA\_N  
ClientSampleId :

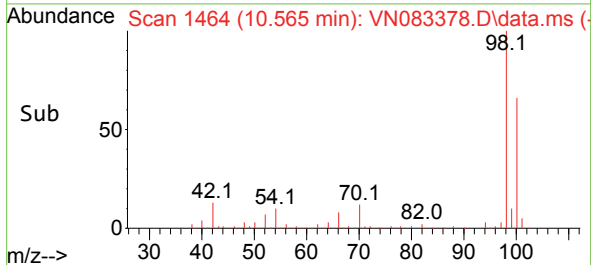
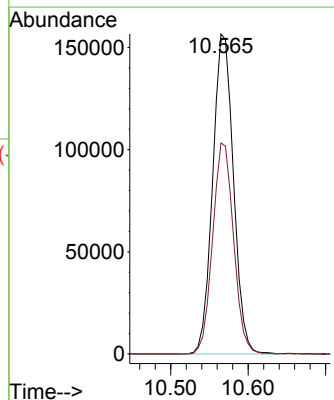
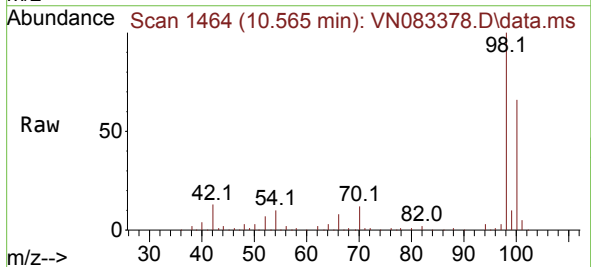


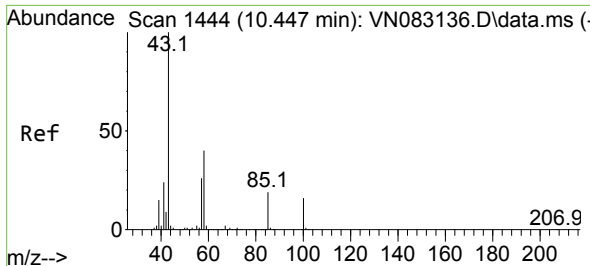
Tgt Ion: 43 Resp: 2791  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.8 26.6#  
87 0.0 8.2 12.2#



#50  
Toluene-d8  
Concen: 46.741 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

Tgt Ion: 98 Resp: 292111  
Ion Ratio Lower Upper  
98 100  
100 66.3 51.5 77.3

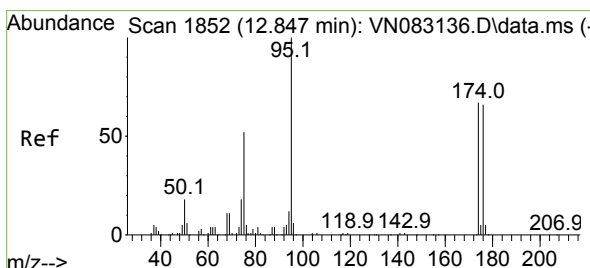
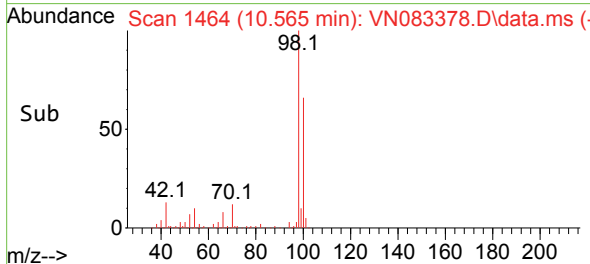
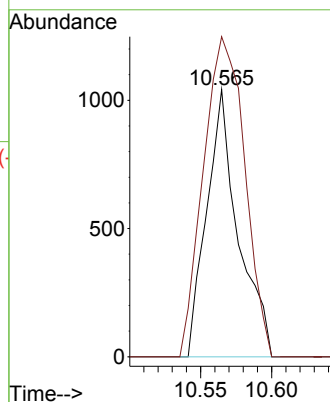
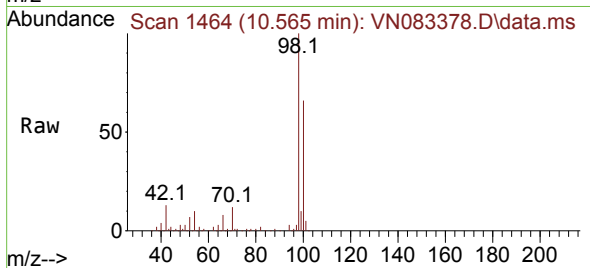




#51  
4-Methyl-2-Pentanone  
Concen: 0.597 ug/l  
RT: 10.565 min Scan# 1444  
Delta R.T. 0.118 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

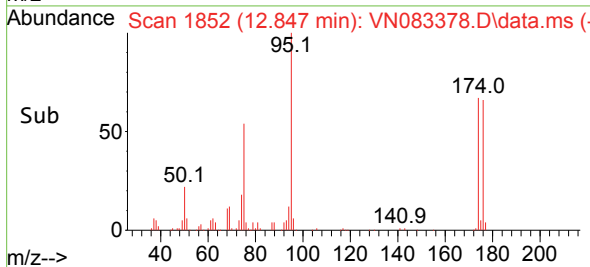
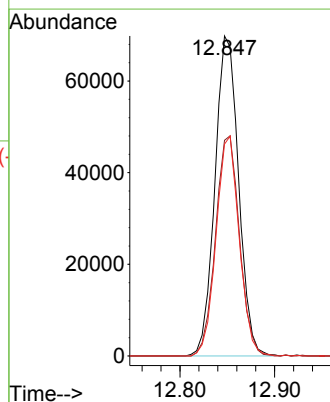
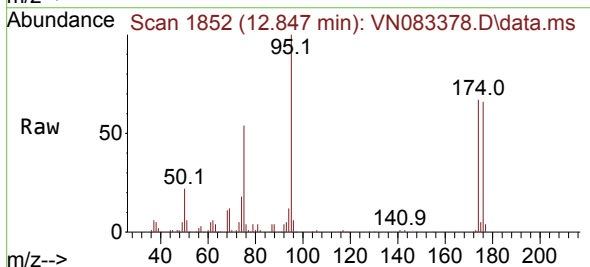
Instrument :  
MSVOA\_N  
ClientSampleId :

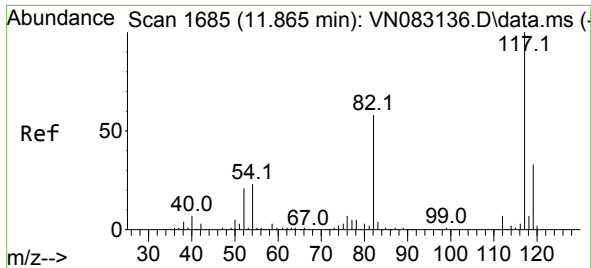
Tgt Ion: 43 Resp: 1602  
Ion Ratio Lower Upper  
43 100  
58 157.9 28.2 42.4#



#62  
4-Bromofluorobenzene  
Concen: 49.745 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

Tgt Ion: 95 Resp: 121199  
Ion Ratio Lower Upper  
95 100  
174 69.6 0.0 159.2  
176 66.9 0.0 147.6

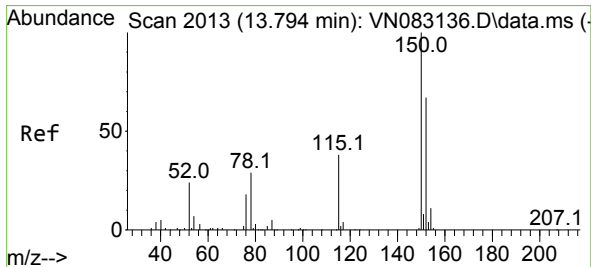
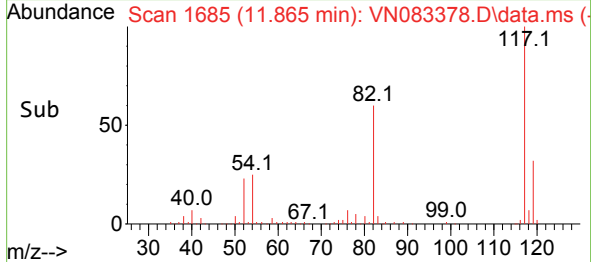
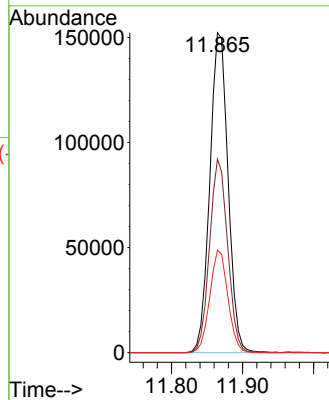
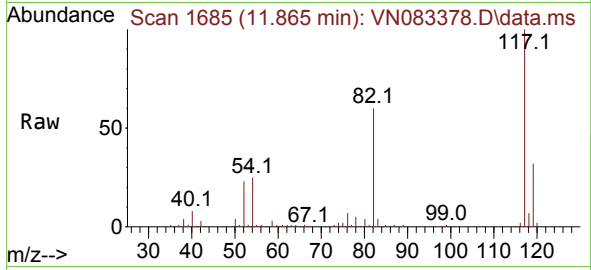




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

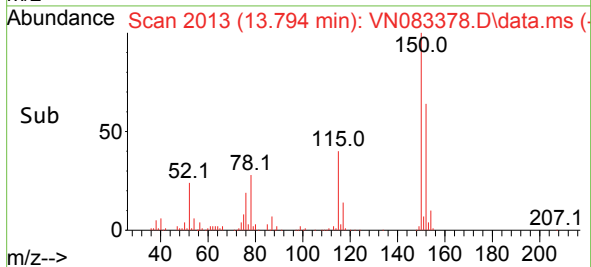
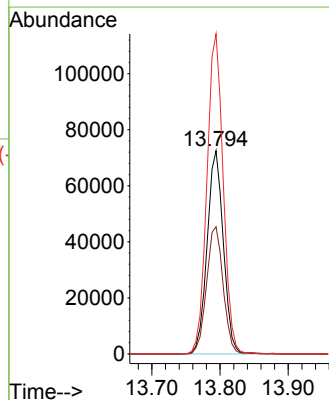
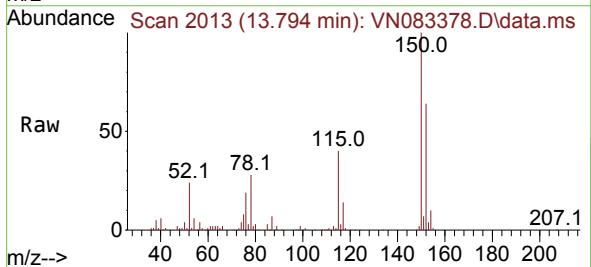
Instrument :  
MSVOA\_N  
ClientSampleId :

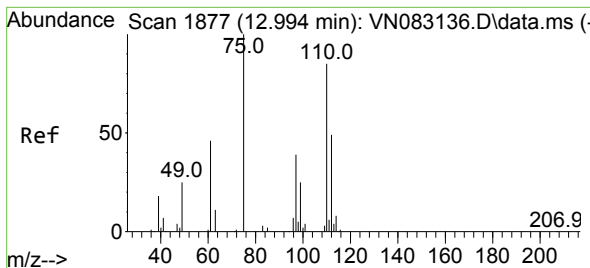
Tgt Ion:117 Resp: 271721  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.5 71.3  
119 32.0 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN083378.D  
Acq: 19 Aug 2024 17:29

Tgt Ion:152 Resp: 120282  
Ion Ratio Lower Upper  
152 100  
115 64.0 30.6 91.6  
150 157.3 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 24.797 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

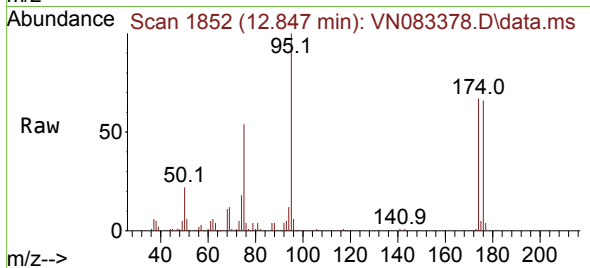
Lab File: VN083378.D

Acq: 19 Aug 2024 17:29

Instrument :

MSVOA\_N

ClientSampleId :

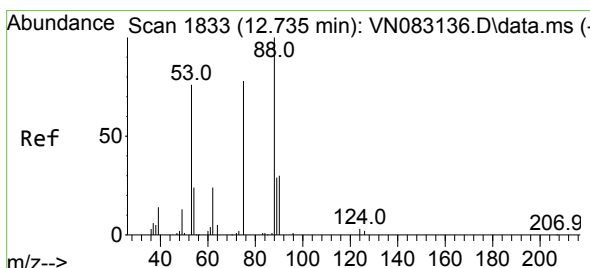
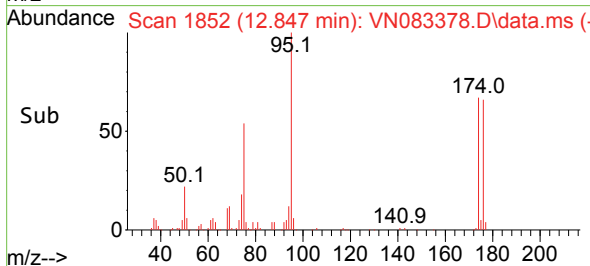
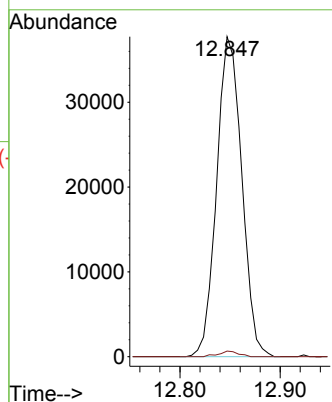


Tgt Ion: 75 Resp: 65462

Ion Ratio Lower Upper

75 100

77 1.4 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.940 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083378.D

Acq: 19 Aug 2024 17:29

Tgt Ion: 75 Resp: 65462

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

