

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091224\  
 Data File : VY019525.D  
 Acq On : 12 Sep 2024 14:13  
 Operator : SY/MD  
 Sample : P3929-04  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 13 01:31:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

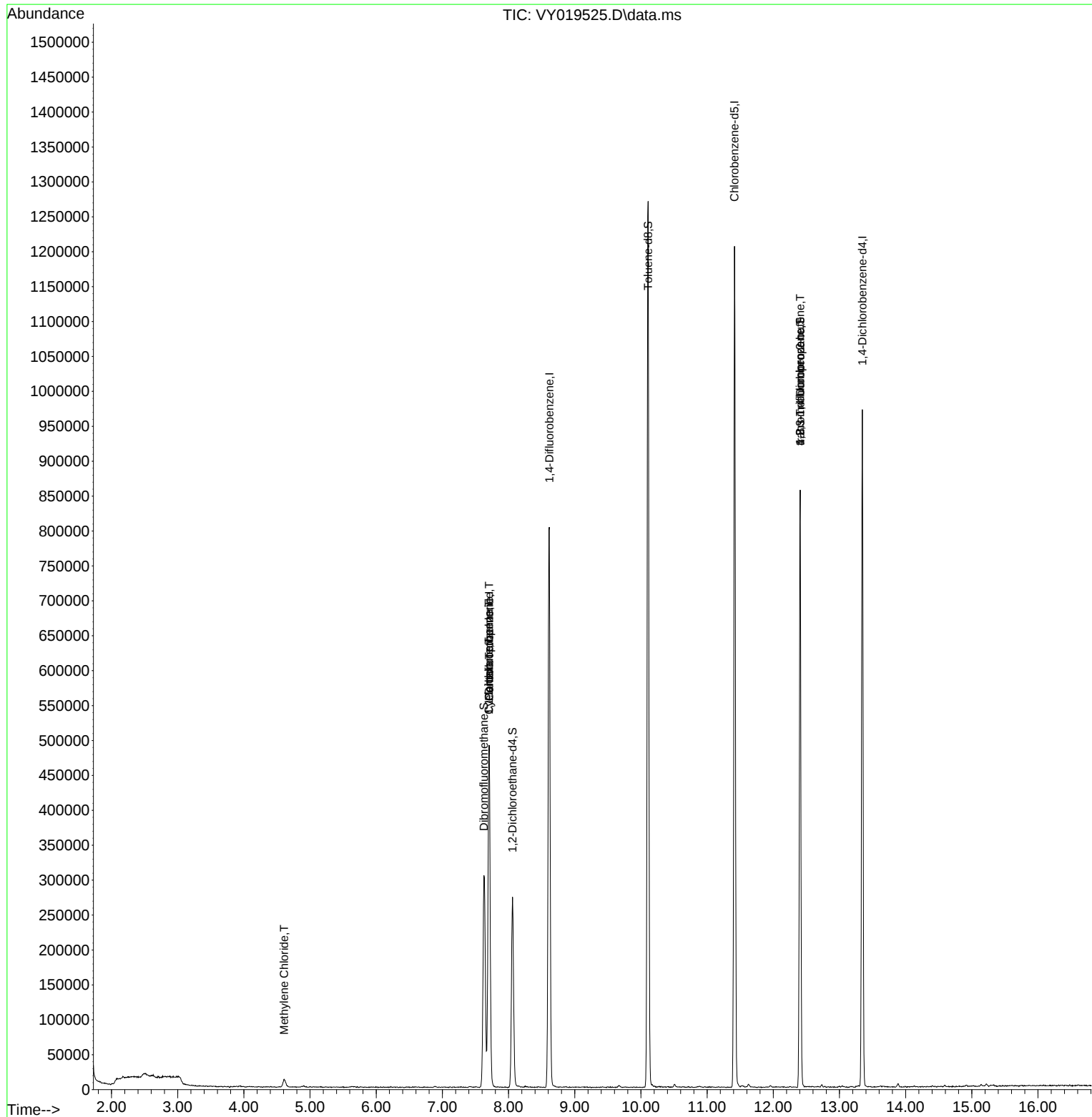
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 362590   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.615  | 114   | 696305   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.413 | 117   | 619184   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 230114   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.060  | 65    | 214168   | 63.788    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 127.580% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 220909   | 55.956    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 111.920% |          |
| 50) Toluene-d8                | 10.109 | 98    | 832235   | 56.993    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 113.980% |          |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 273532   | 48.717    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 97.440%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.866  | 85    | 239      | Below Cal | #          | 43       |
| 13) Acrolein                  | 3.659  | 56    | 246      | Below Cal | #          | 15       |
| 20) Methylene Chloride        | 4.610  | 84    | 7930     | 2.174     | ug/l       | 91       |
| 31) Cyclohexane               | 7.701  | 56    | 9194     | 1.530     | ug/l       | # 23     |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 31889    | 5.936     | ug/l       | # 47     |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 38463    | 6.349     | ug/l       | # 15     |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75    | 147432   | 68.356    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75    | 147432   | 131.223   | ug/l       | # 16     |
| -----                         |        |       |          |           |            |          |

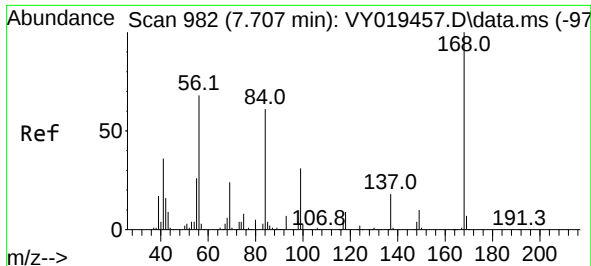
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 13 01:31:23 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

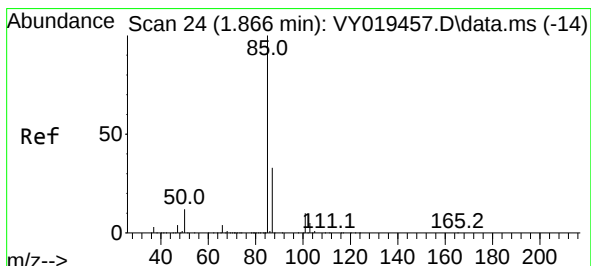
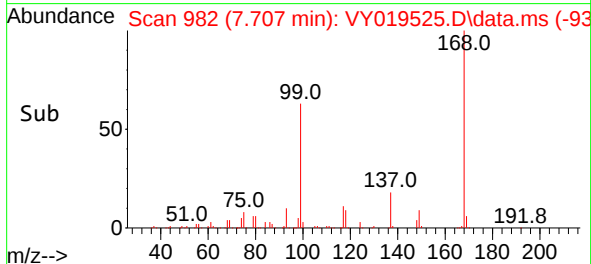
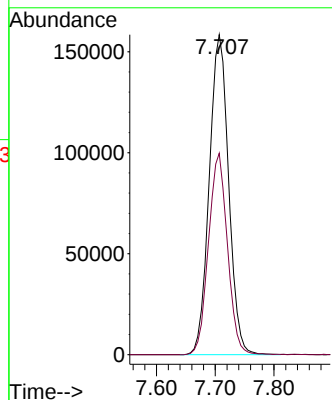
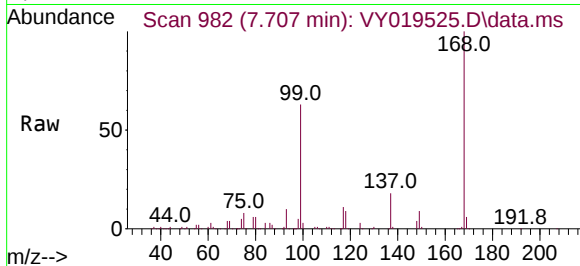




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

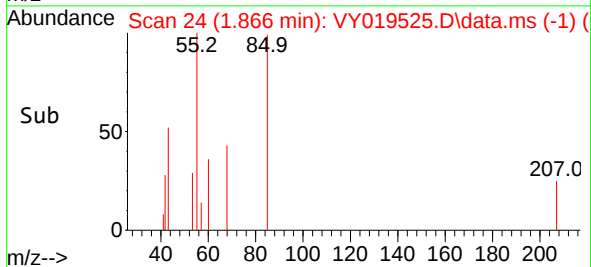
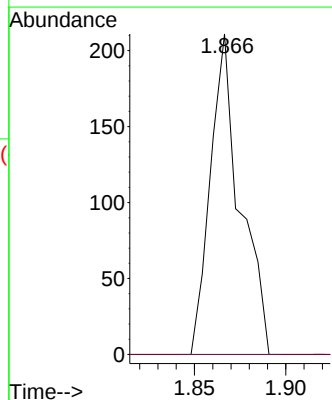
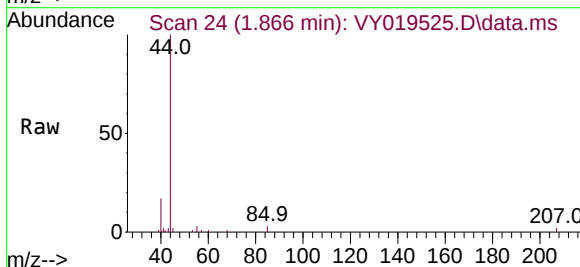
Instrument :  
MSVOA\_Y  
ClientSampleId :

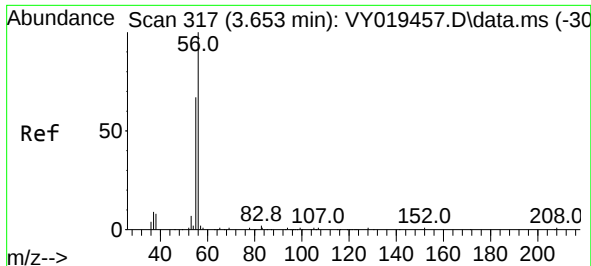
Tgt Ion:168 Resp: 362590  
Ion Ratio Lower Upper  
168 100  
99 62.9 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.866 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

Tgt Ion: 85 Resp: 239  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.0 48.0#





#13

Acrolein

Concen: Below Cal

RT: 3.659 min Scan# 31

Delta R.T. 0.006 min

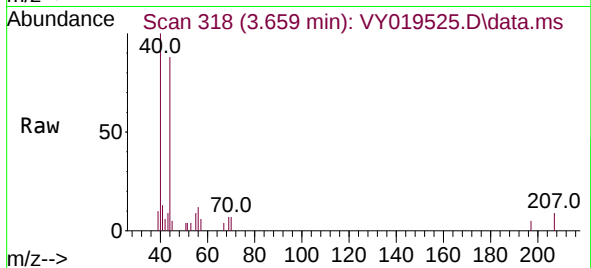
Lab File: VY019525.D

Acq: 12 Sep 2024 14:13

Instrument :

MSVOA\_Y

ClientSampleId :

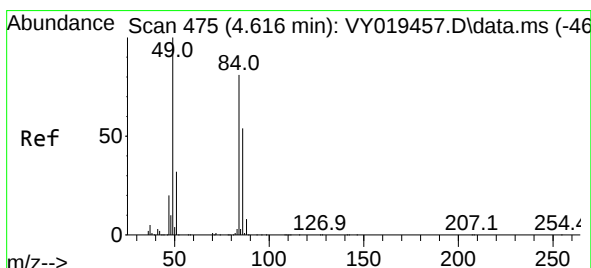
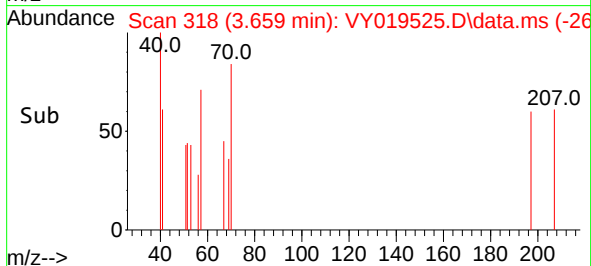
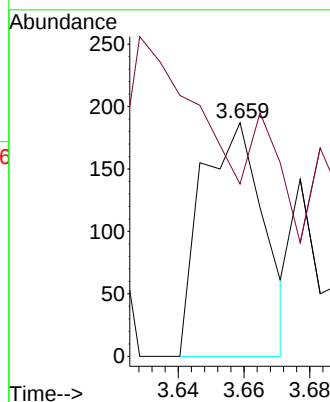


Tgt Ion: 56 Resp: 246

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#20

Methylene Chloride

Concen: 2.174 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY019525.D

Acq: 12 Sep 2024 14:13

Tgt Ion: 84 Resp: 7930

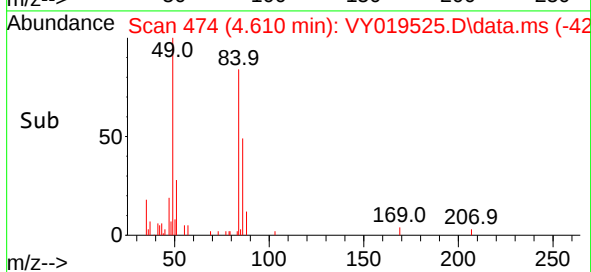
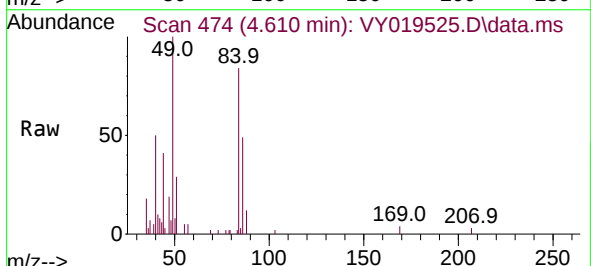
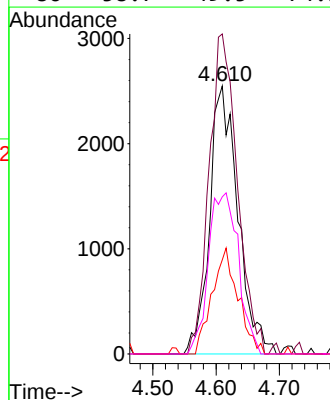
Ion Ratio Lower Upper

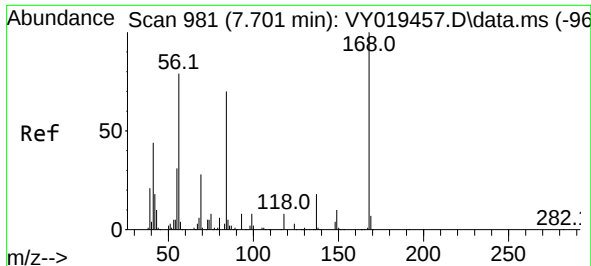
84 100

49 119.4 84.4 126.6

51 35.1 26.0 39.0

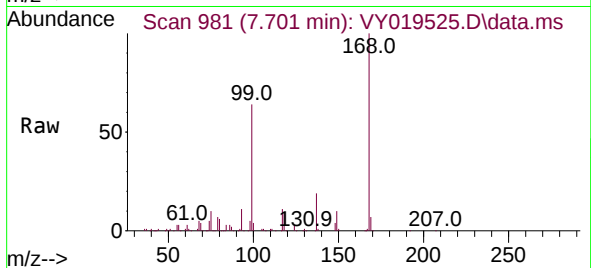
86 58.7 49.5 74.3



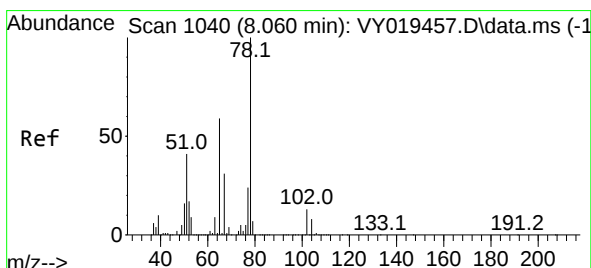
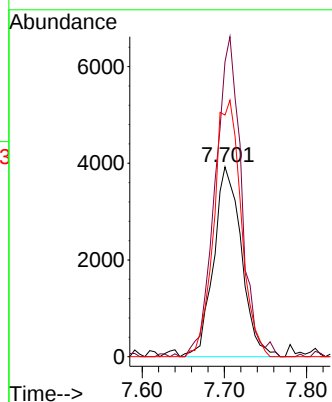
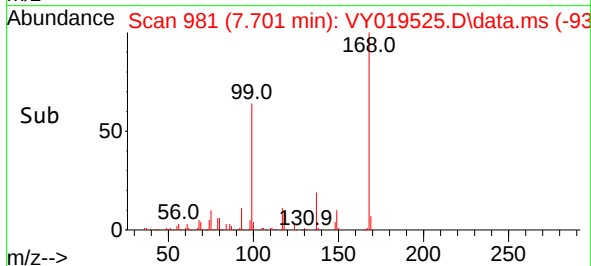


#31  
Cyclohexane  
Concen: 1.530 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

Instrument :  
MSVOA\_Y  
ClientSampleId :

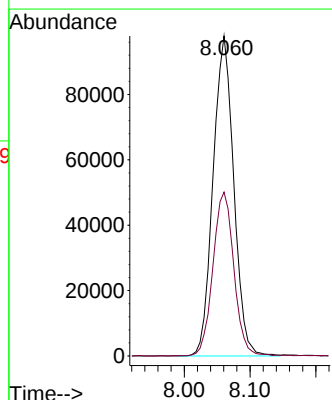
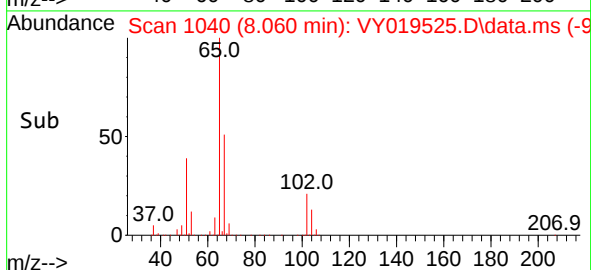
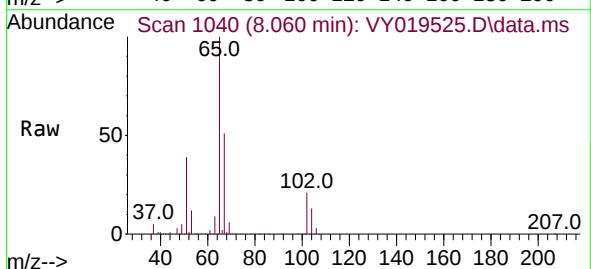


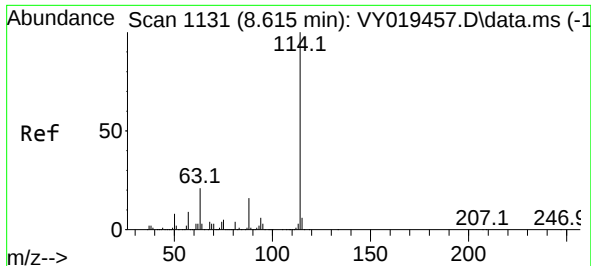
Tgt Ion: 56 Resp: 9194  
Ion Ratio Lower Upper  
56 100  
69 155.4 28.7 43.1#  
84 127.3 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 63.788 ug/l  
RT: 8.060 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

Tgt Ion: 65 Resp: 214168  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

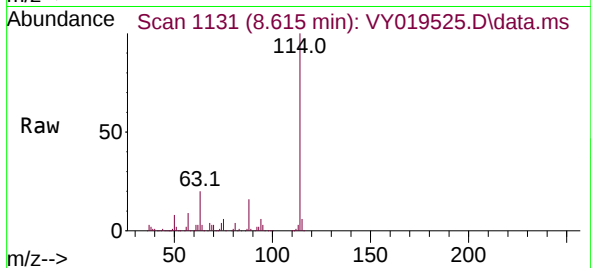
Lab File: VY019525.D

Acq: 12 Sep 2024 14:13

Instrument :

MSVOA\_Y

ClientSampleId :



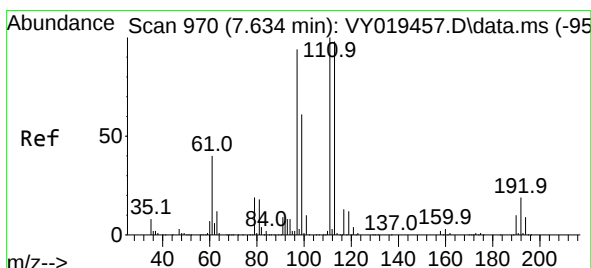
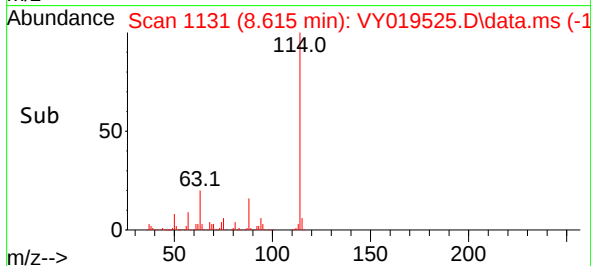
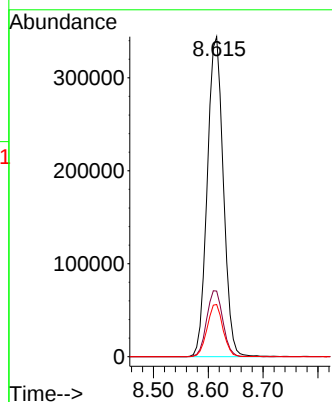
Tgt Ion:114 Resp: 696305

Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

88 16.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.956 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019525.D

Acq: 12 Sep 2024 14:13

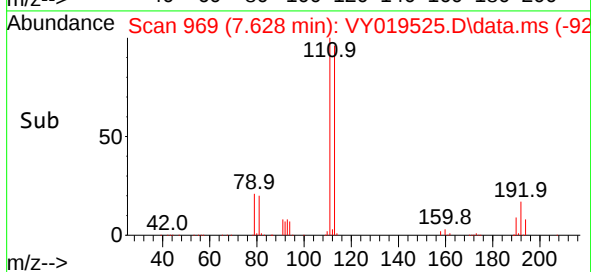
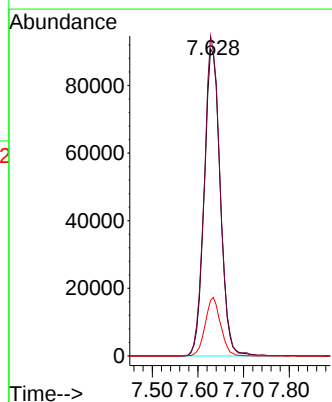
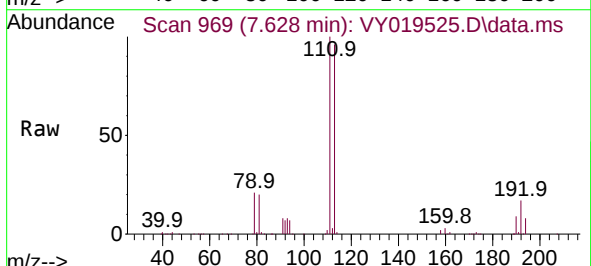
Tgt Ion:113 Resp: 220909

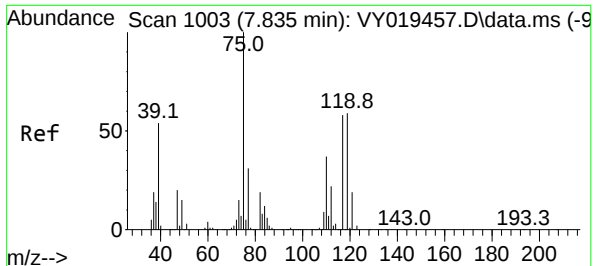
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 18.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.936 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY019525.D

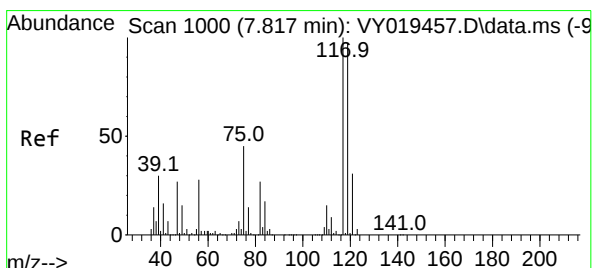
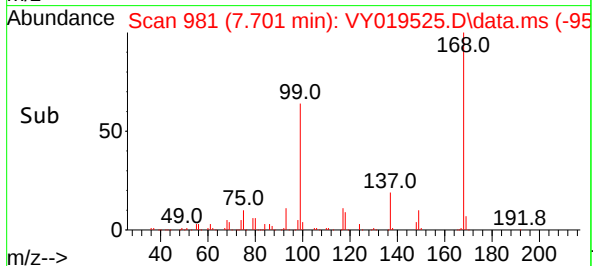
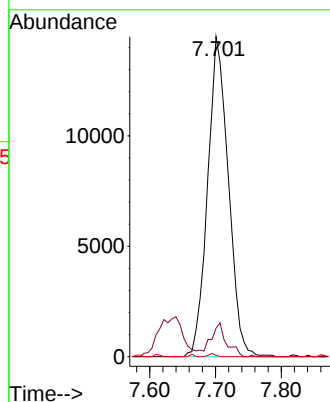
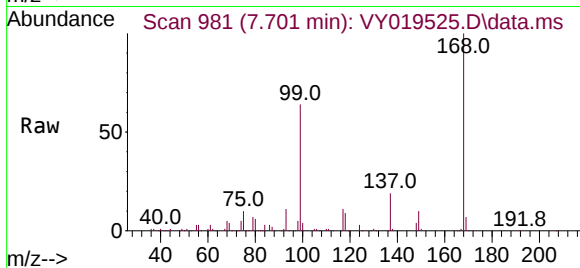
Acq: 12 Sep 2024 14:13

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 31889    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 8.2 19.0 57.0# |
| 77          | 0.3 25.3 37.9# |



#38

Carbon Tetrachloride

Concen: 6.349 ug/l

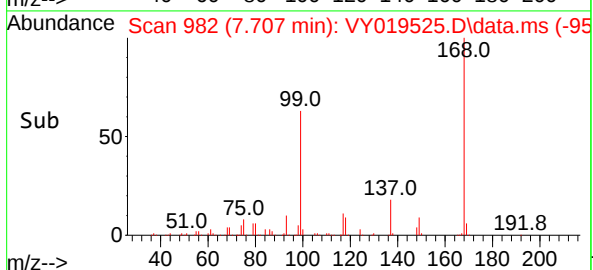
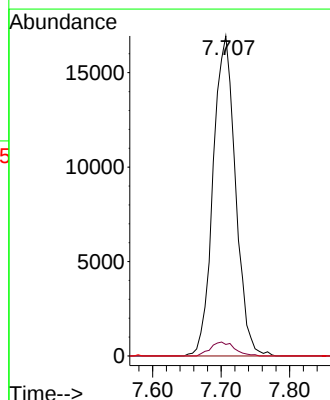
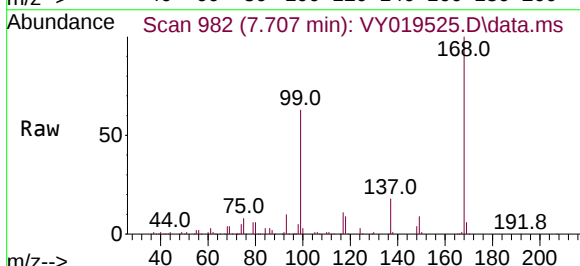
RT: 7.707 min Scan# 982

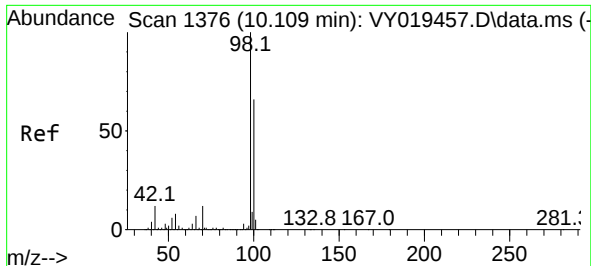
Delta R.T. -0.110 min

Lab File: VY019525.D

Acq: 12 Sep 2024 14:13

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 38463     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 3.6 75.8 113.6# |
| 121          | 0.0 24.0 36.0#  |

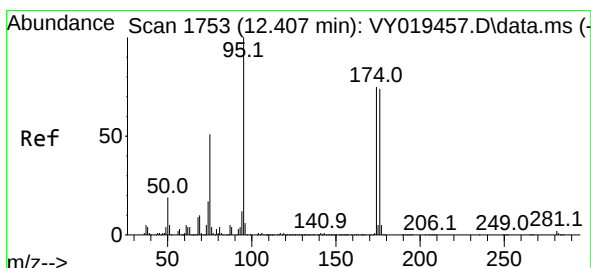
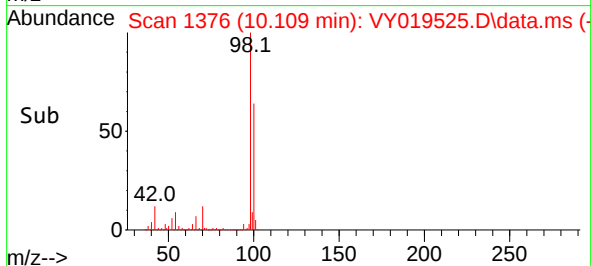
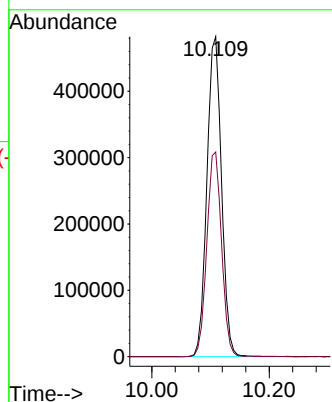
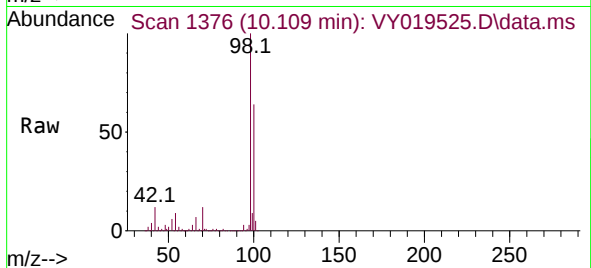




#50  
Toluene-d8  
Concen: 56.993 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

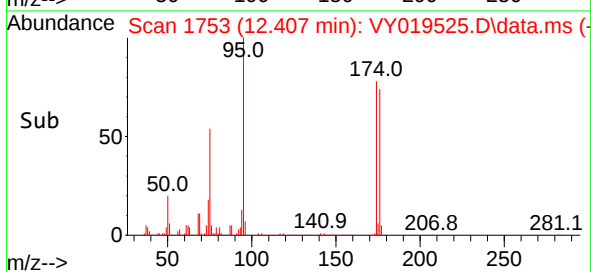
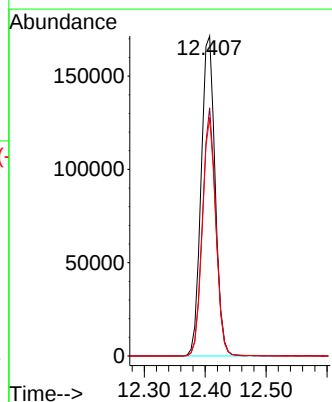
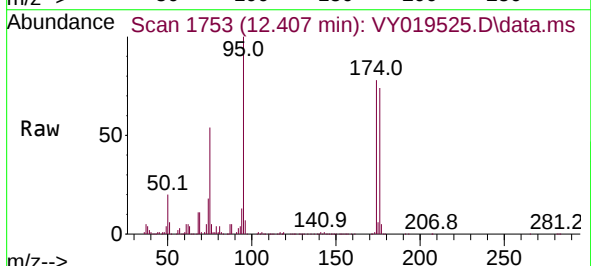
Instrument :  
MSVOA\_Y  
ClientSampleId :

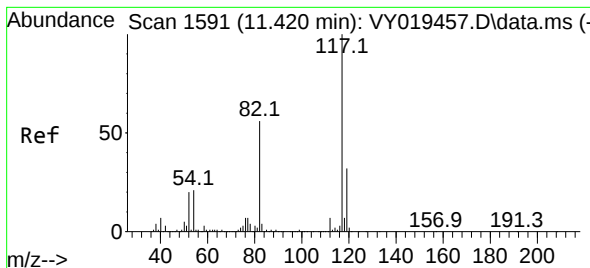
Tgt Ion: 98 Resp: 832235  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 48.717 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

Tgt Ion: 95 Resp: 273532  
Ion Ratio Lower Upper  
95 100  
174 74.3 0.0 175.6  
176 71.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019525.D

Acq: 12 Sep 2024 14:13

Instrument :

MSVOA\_Y

ClientSampleId :

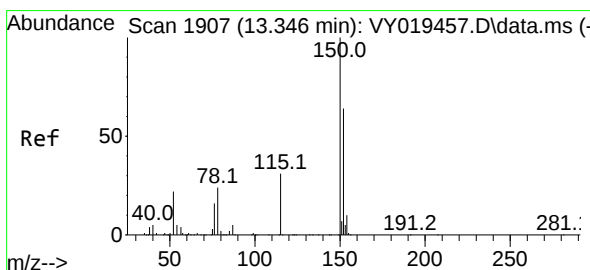
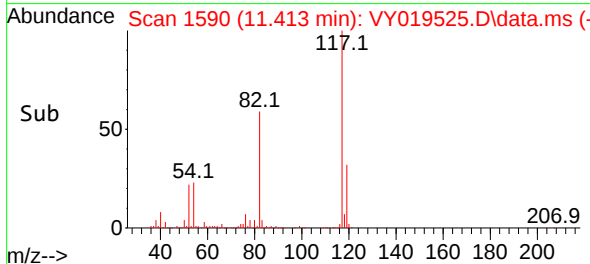
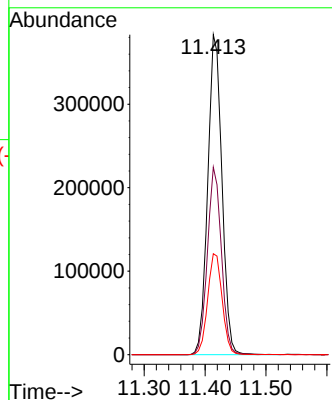
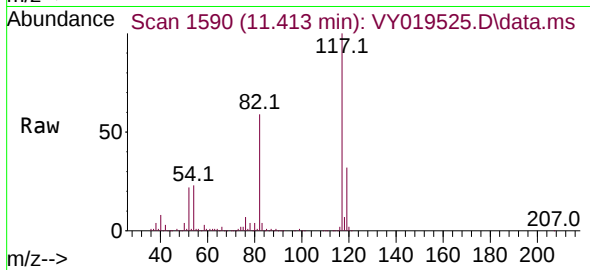
Tgt Ion:117 Resp: 619184

Ion Ratio Lower Upper

117 100

82 58.6 42.4 63.6

119 31.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY019525.D

Acq: 12 Sep 2024 14:13

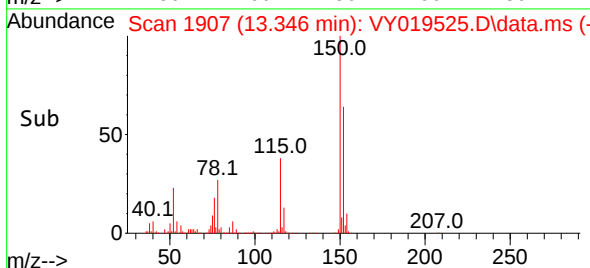
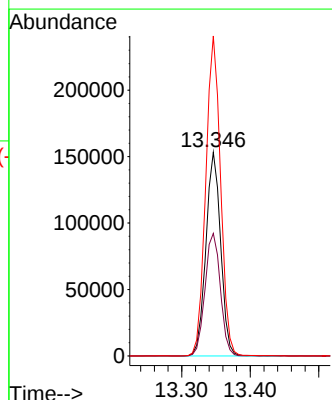
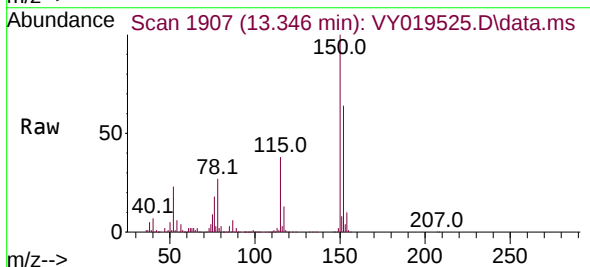
Tgt Ion:152 Resp: 230114

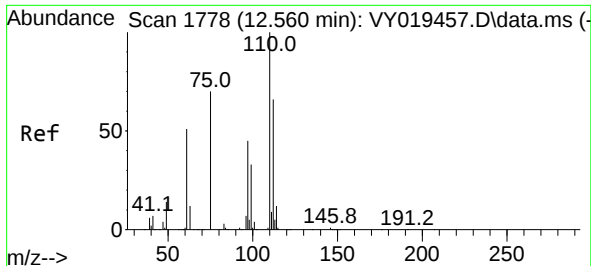
Ion Ratio Lower Upper

152 100

115 62.5 28.2 84.7

150 157.6 0.0 345.6

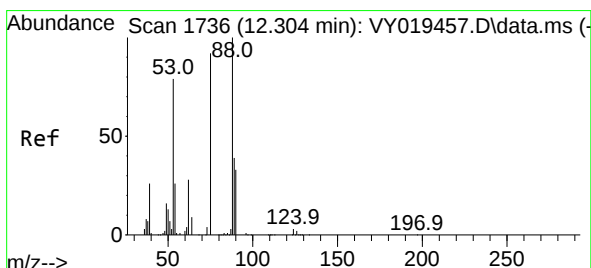
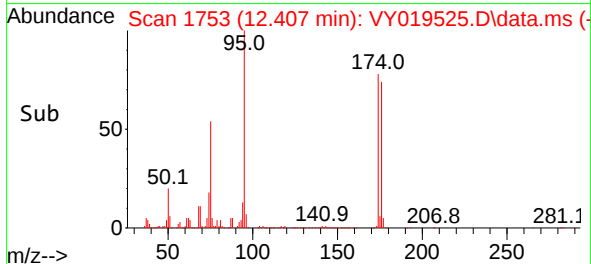
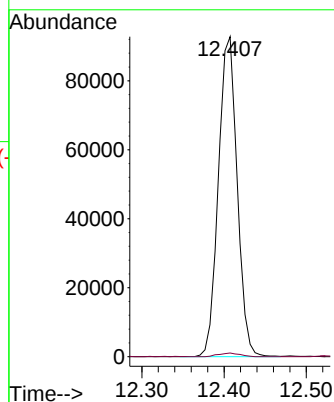
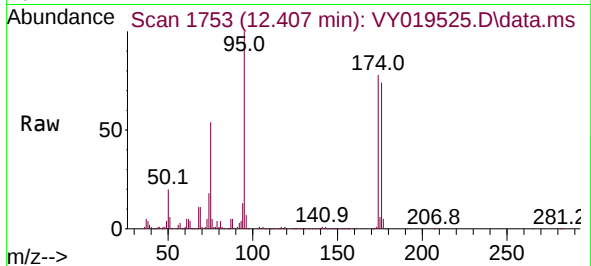




#76  
1,2,3-Trichloropropane  
Concen: 68.356 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 147432  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 131.223 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY019525.D  
Acq: 12 Sep 2024 14:13

Tgt Ion: 75 Resp: 147432  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

