

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101124\  
 Data File : VY019873.D  
 Acq On : 11 Oct 2024 15:48  
 Operator : SY/MD  
 Sample : P4385-07  
 Misc : 4.75g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 14 01:48:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

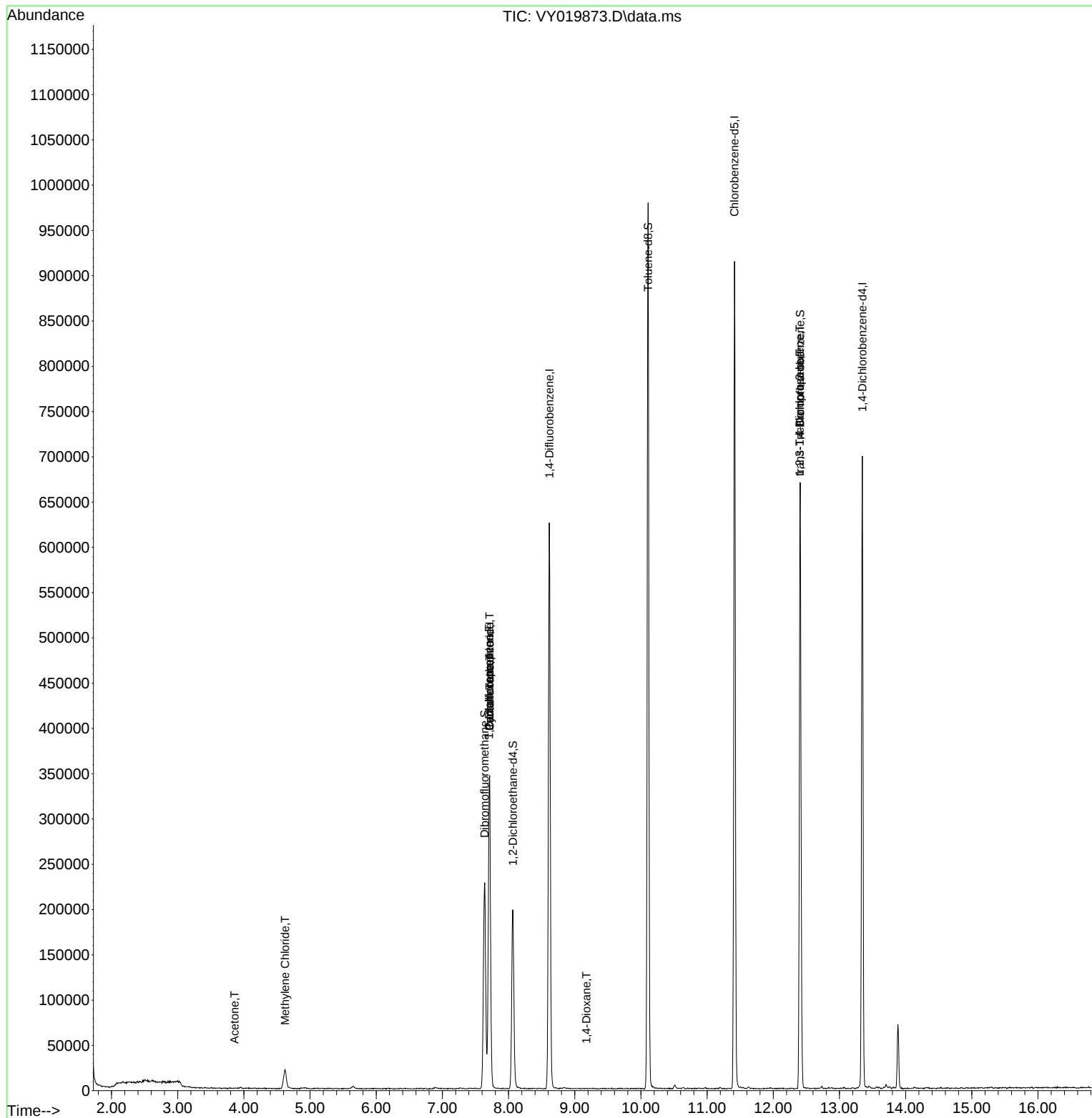
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 244456   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.615     | 114   | 504549   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 447198   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 157772   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067     | 65    | 158595   | 52.690   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 105.380% |          |
| 35) Dibromofluoromethane      | 7.640     | 113   | 161093   | 48.384   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 96.760%  |          |
| 50) Toluene-d8                | 10.109    | 98    | 609294   | 49.555   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 99.120%  |          |
| 62) 4-Bromofluorobenzene      | 12.407    | 95    | 183446   | 41.292   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery | = 82.580%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.860     | 43    | 1082     | 1.381    | ug/l       | # 62     |
| 20) Methylene Chloride        | 4.622     | 84    | 14189    | 4.162    | ug/l       | # 74     |
| 31) Cyclohexane               | 7.713     | 56    | 6923     | 1.377    | ug/l       | # 31     |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 23551    | 4.910    | ug/l       | # 47     |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 28213    | 5.487    | ug/l       | # 17     |
| 49) 1,4-Dioxane               | 9.176     | 88    | 34       | 1.530    | ug/l       | # 20     |
| 76) 1,2,3-Trichloropropane    | 12.401    | 75    | 106175   | 34.353   | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.401    | 75    | 106175   | 138.660  | ug/l       | # 16     |
| -----                         |           |       |          |          |            |          |

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

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Sample : P4385-07  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

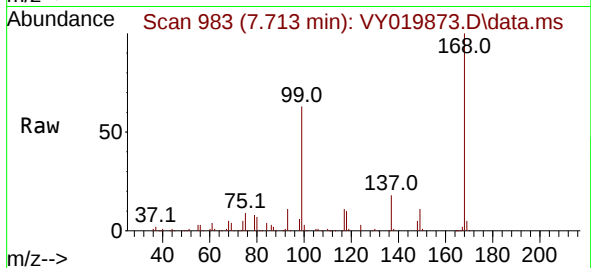
Quant Time: Oct 14 01:48:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 10 05:30:07 2024  
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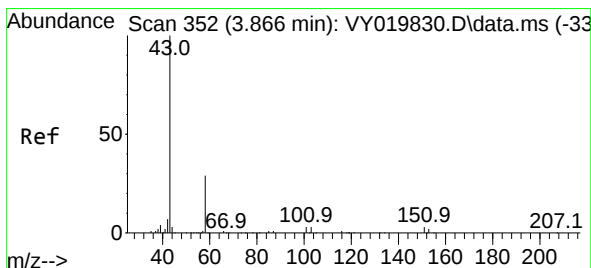
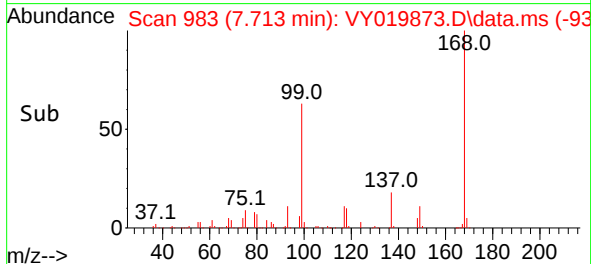
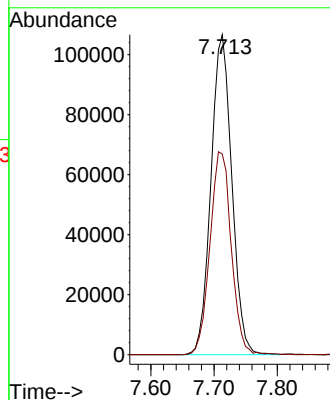


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

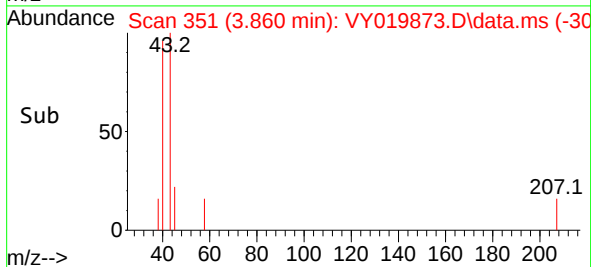
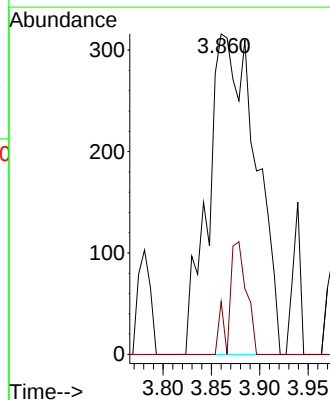
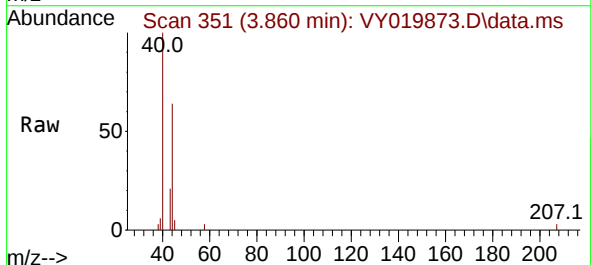


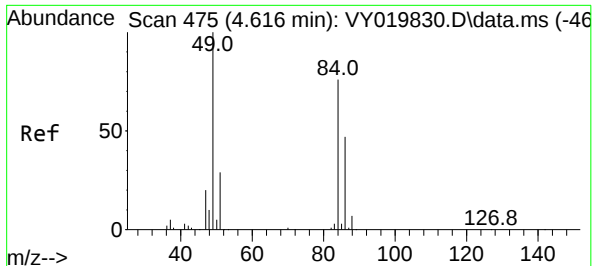
Tgt Ion:168 Resp: 244456  
Ion Ratio Lower Upper  
168 100  
99 62.7 39.1 58.7#



#16  
Acetone  
Concen: 1.381 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. -0.012 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

Tgt Ion: 43 Resp: 1082  
Ion Ratio Lower Upper  
43 100  
58 16.5 31.7 47.5#

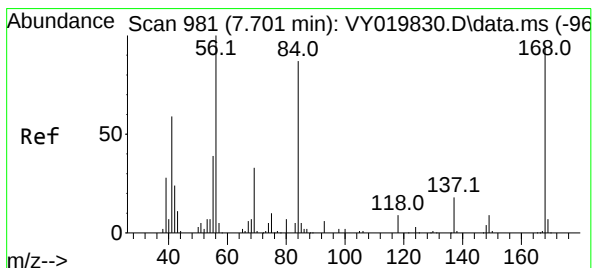
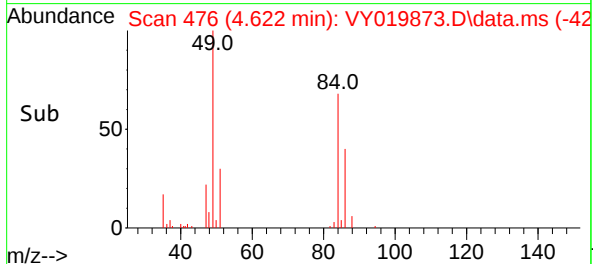
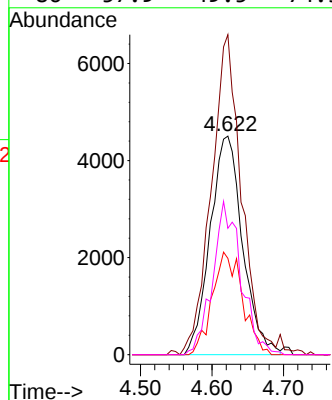
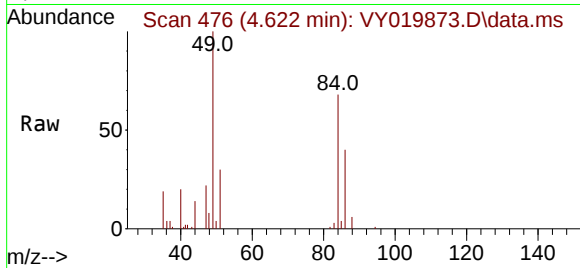




#20  
Methylene Chloride  
Concen: 4.162 ug/l  
RT: 4.622 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

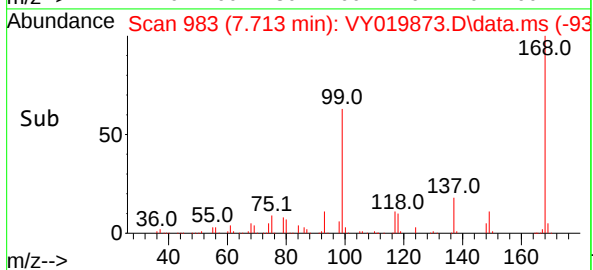
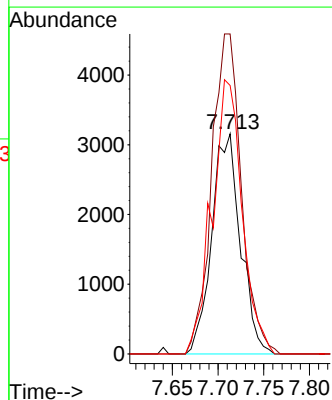
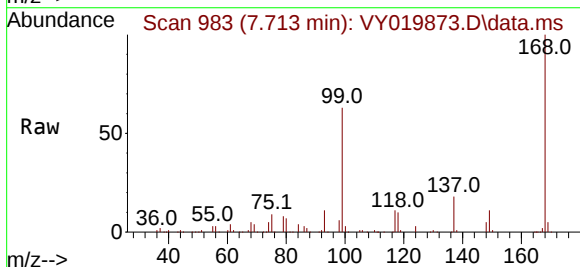
Instrument :  
MSVOA\_Y  
ClientSampleId :

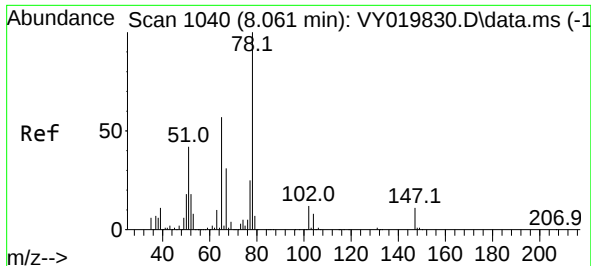
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 14189  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 146.4 | 84.4  | 126.6# |
| 51       | 44.1  | 26.0  | 39.0#  |
| 86       | 57.9  | 49.5  | 74.3   |



#31  
Cyclohexane  
Concen: 1.377 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.012 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 6923   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 145.3 | 28.7  | 43.1#  |
| 84       | 121.9 | 77.7  | 116.5# |





#33

1,2-Dichloroethane-d4

Concen: 52.690 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY019873.D

Acq: 11 Oct 2024 15:48

Instrument :

MSVOA\_Y

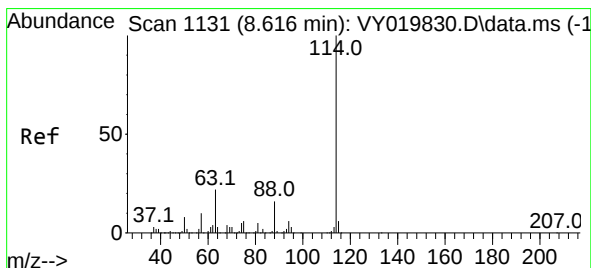
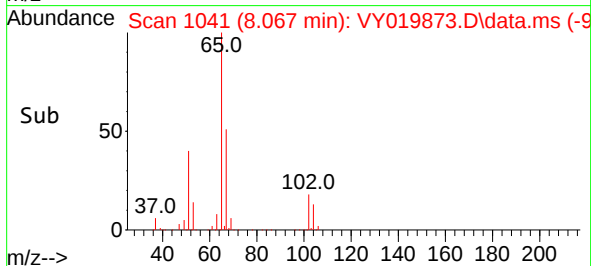
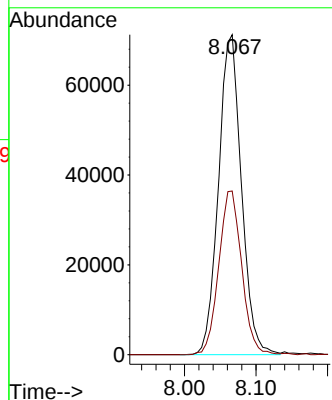
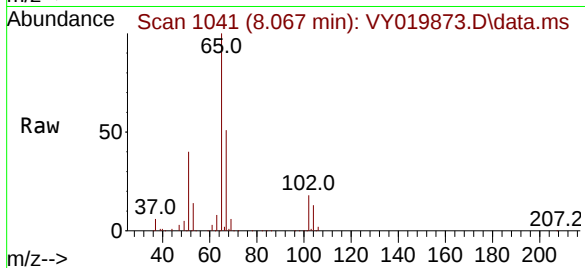
ClientSampleId :

Tgt Ion: 65 Resp: 158595

Ion Ratio Lower Upper

65 100

67 51.1 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: VY019873.D

Acq: 11 Oct 2024 15:48

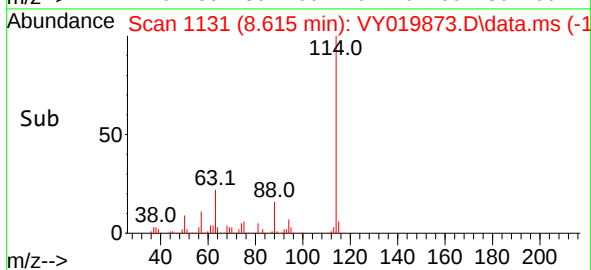
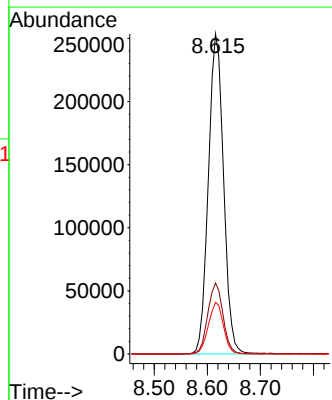
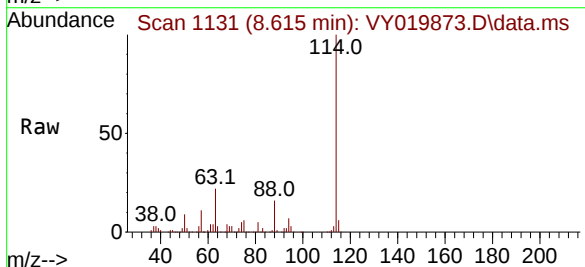
Tgt Ion: 114 Resp: 504549

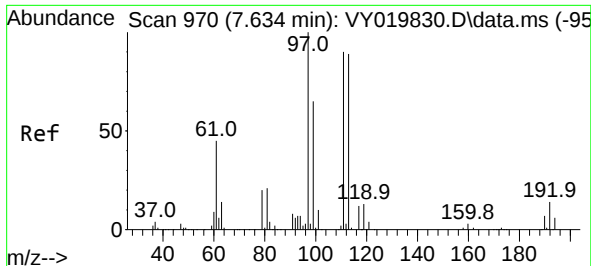
Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.0

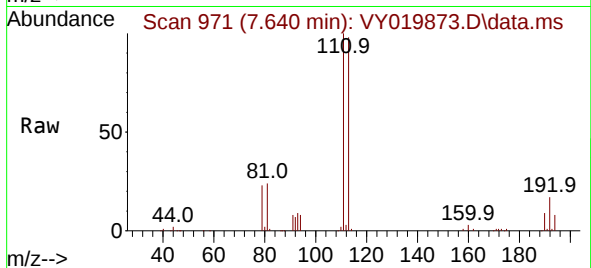
88 16.2 0.0 27.2



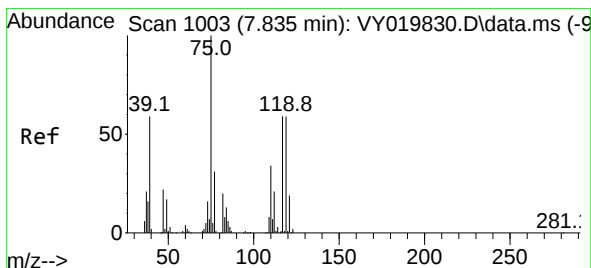
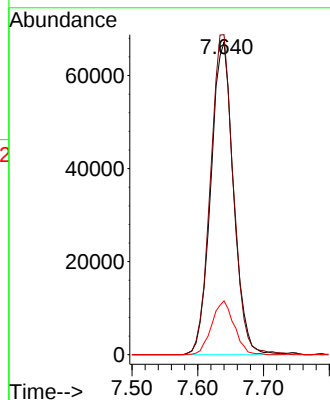
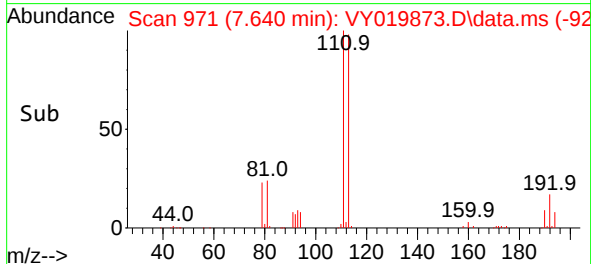


#35  
 Dibromofluoromethane  
 Concen: 48.384 ug/l  
 RT: 7.640 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY019873.D  
 Acq: 11 Oct 2024 15:48

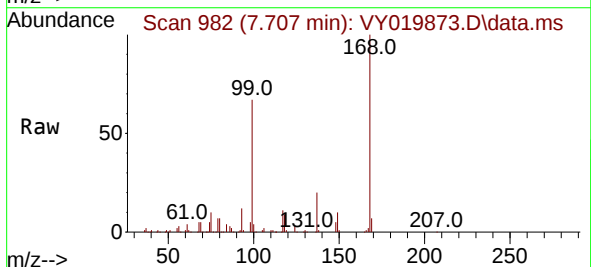
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



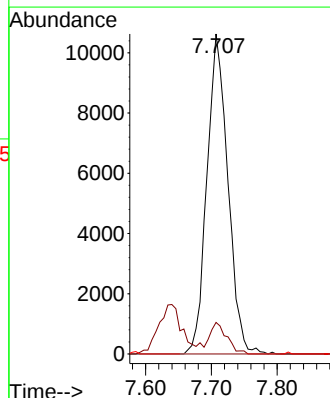
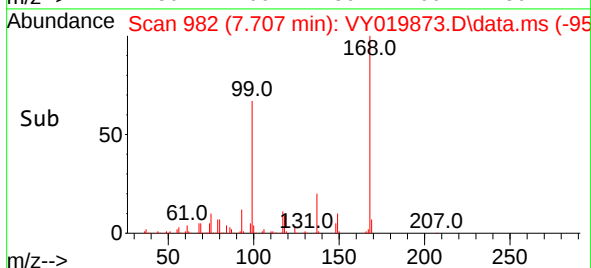
Tgt Ion:113 Resp: 161093  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 82.2 123.4  
 192 17.0 15.9 23.9

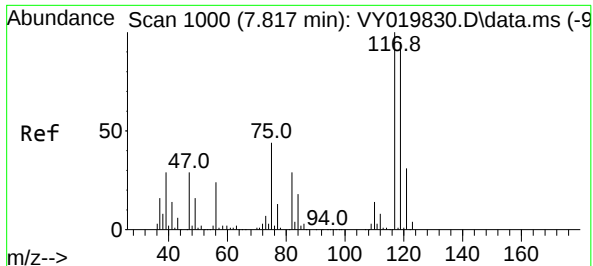


#36  
 1,1-Dichloropropene  
 Concen: 4.910 ug/l  
 RT: 7.707 min Scan# 982  
 Delta R.T. -0.128 min  
 Lab File: VY019873.D  
 Acq: 11 Oct 2024 15:48



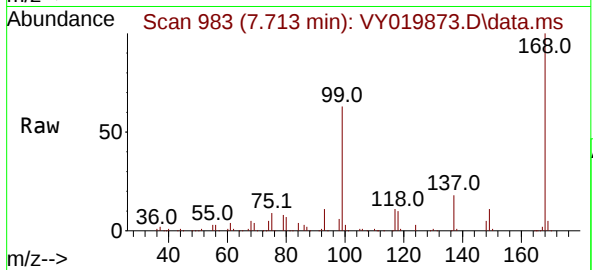
Tgt Ion: 75 Resp: 23551  
 Ion Ratio Lower Upper  
 75 100  
 110 7.9 19.0 57.0#  
 77 0.0 25.3 37.9#



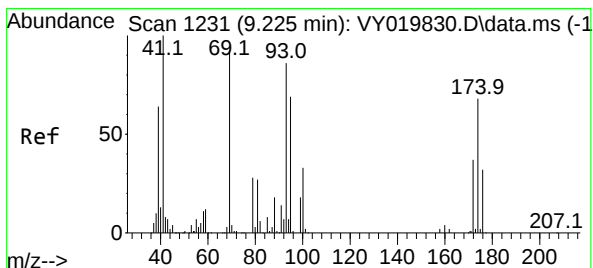
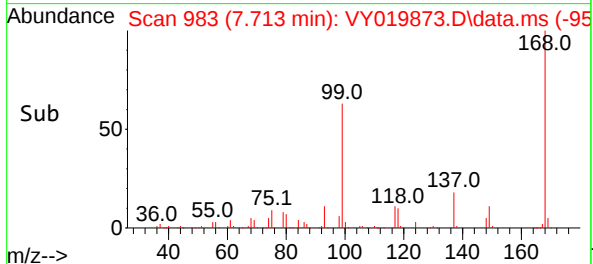
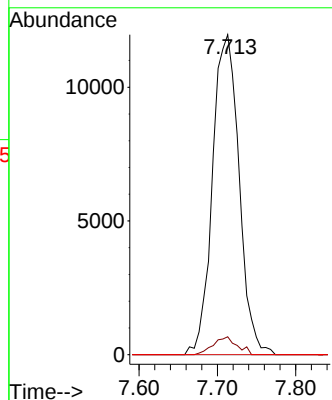


#38  
Carbon Tetrachloride  
Concen: 5.487 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

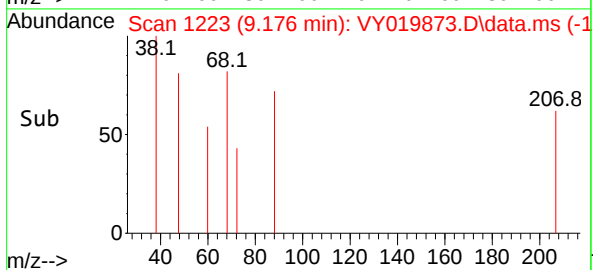
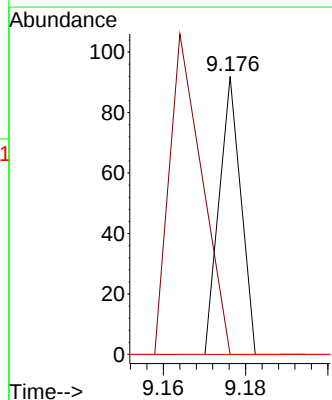
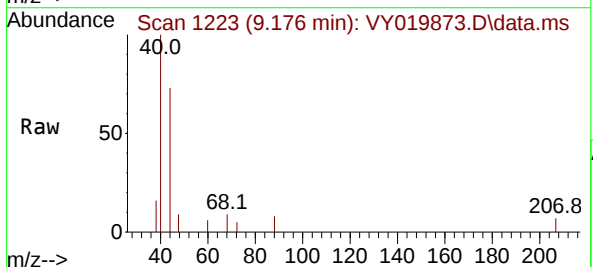


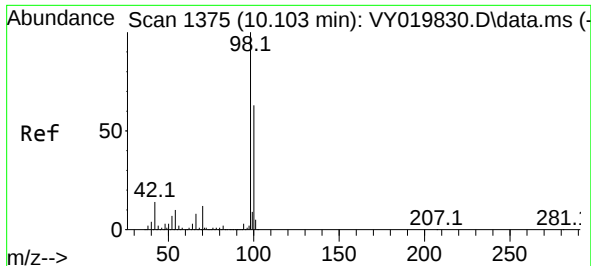
Tgt Ion:117 Resp: 28213  
Ion Ratio Lower Upper  
117 100  
119 5.6 75.8 113.6#  
121 0.0 24.0 36.0#



#49  
1,4-Dioxane  
Concen: 1.530 ug/l  
RT: 9.176 min Scan# 1223  
Delta R.T. -0.055 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

Tgt Ion: 88 Resp: 34  
Ion Ratio Lower Upper  
88 100  
43 170.6 0.0 0.0#  
58 0.0 49.3 73.9#

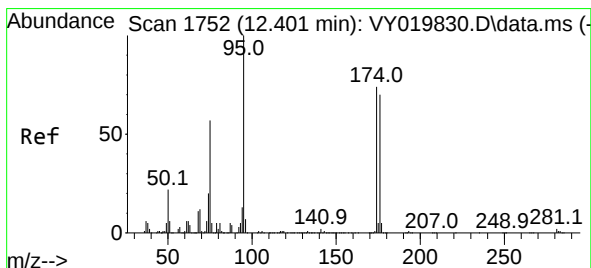
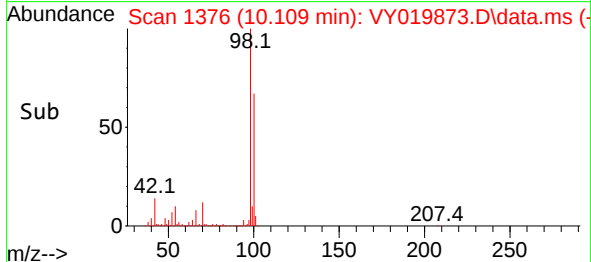
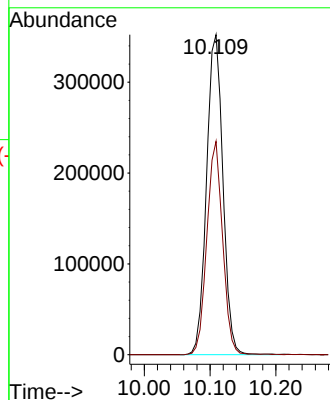
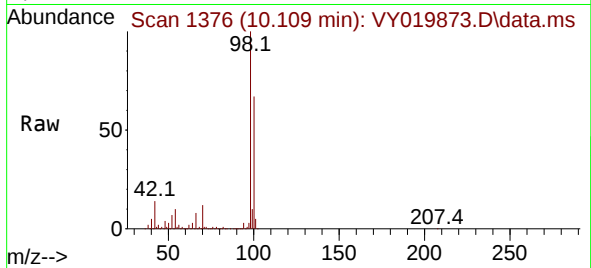




#50  
Toluene-d8  
Concen: 49.555 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

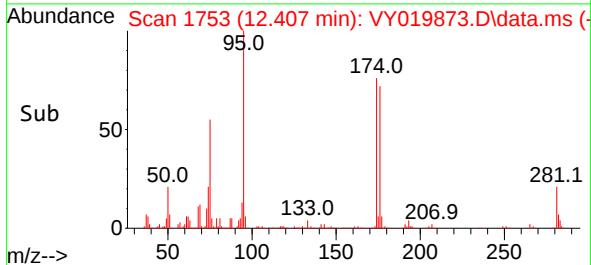
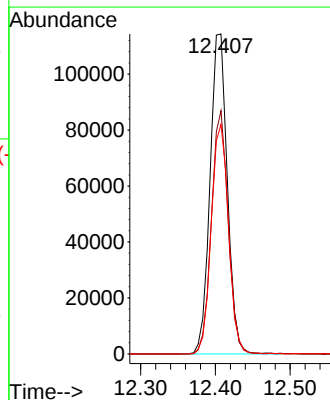
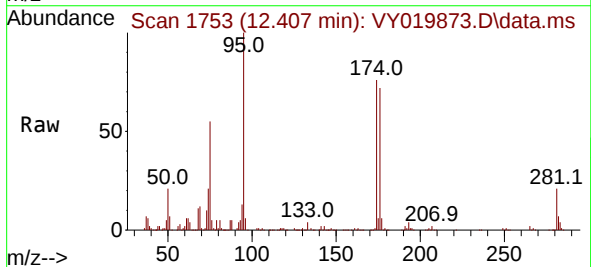
Instrument :  
MSVOA\_Y  
ClientSampleId :

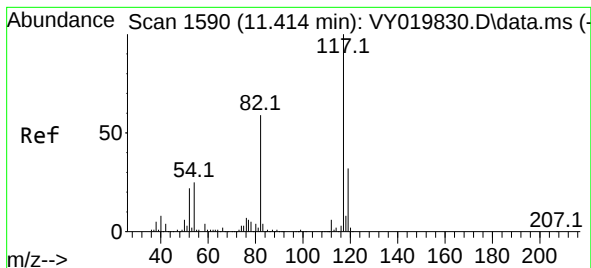
Tgt Ion: 98 Resp: 609294  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.292 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

Tgt Ion: 95 Resp: 183446  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 175.6  
176 71.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019873.D

Acq: 11 Oct 2024 15:48

Instrument :

MSVOA\_Y

ClientSampleId :

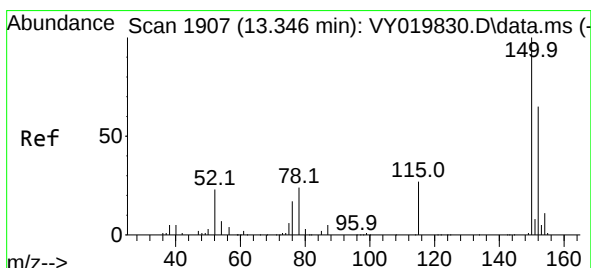
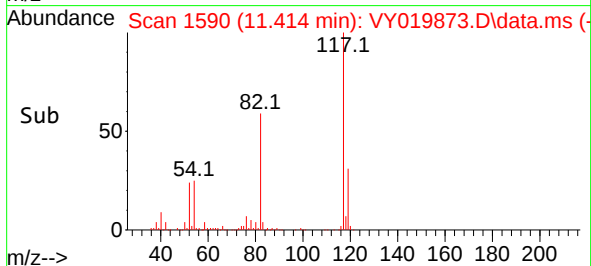
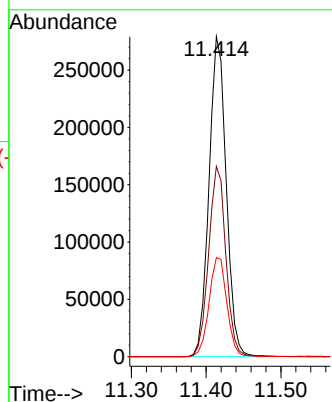
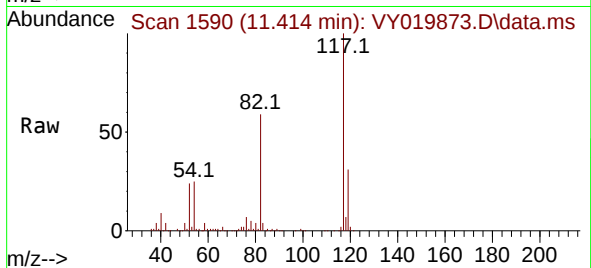
Tgt Ion:117 Resp: 447198

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 30.9 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: VY019873.D

Acq: 11 Oct 2024 15:48

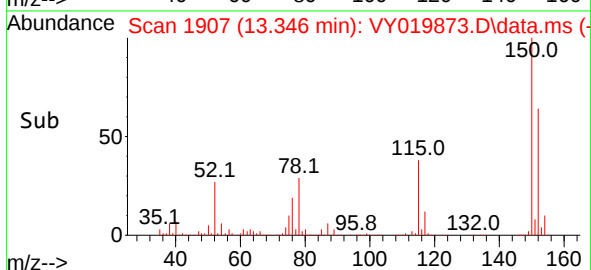
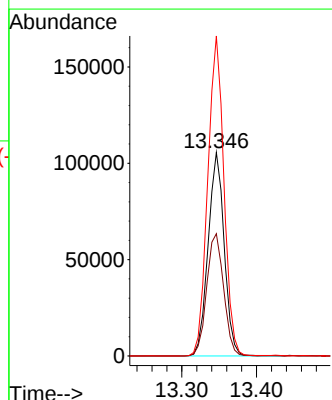
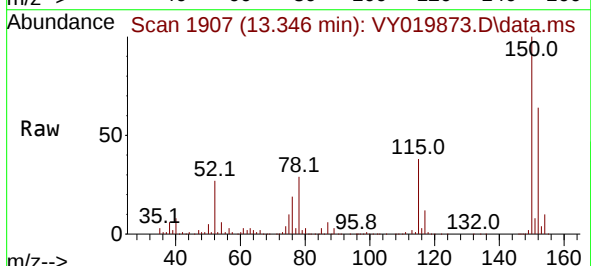
Tgt Ion:152 Resp: 157772

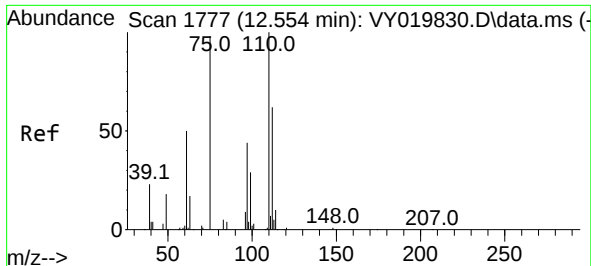
Ion Ratio Lower Upper

152 100

115 63.2 28.2 84.7

150 157.6 0.0 345.6

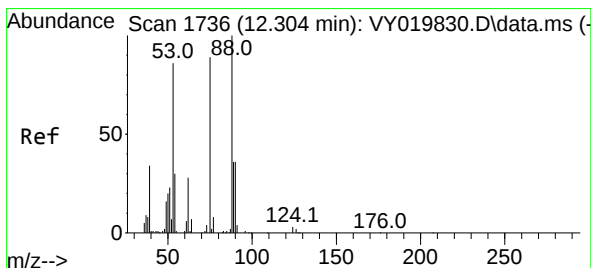
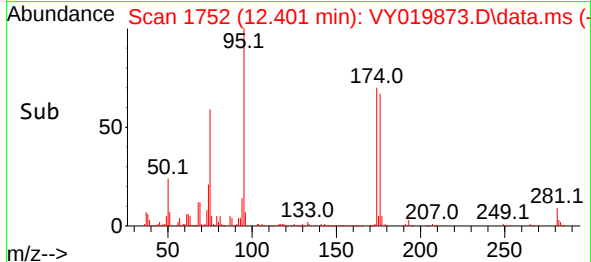
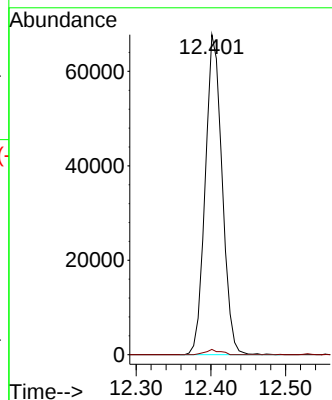
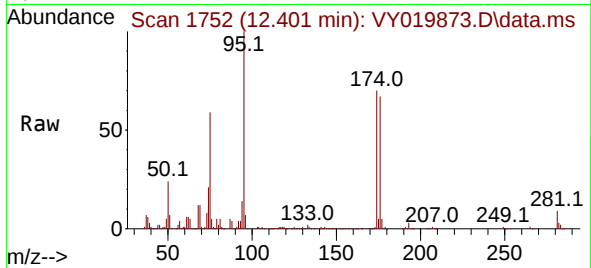




#76  
1,2,3-Trichloropropane  
Concen: 34.353 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 106175  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 138.660 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY019873.D  
Acq: 11 Oct 2024 15:48

Tgt Ion: 75 Resp: 106175  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.2 35.8 53.6#

