

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042222\  
 Data File : VY008464.D  
 Acq On : 22 Apr 2022 15:01  
 Operator : KP/MD  
 Sample : N2523-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 23 01:52:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

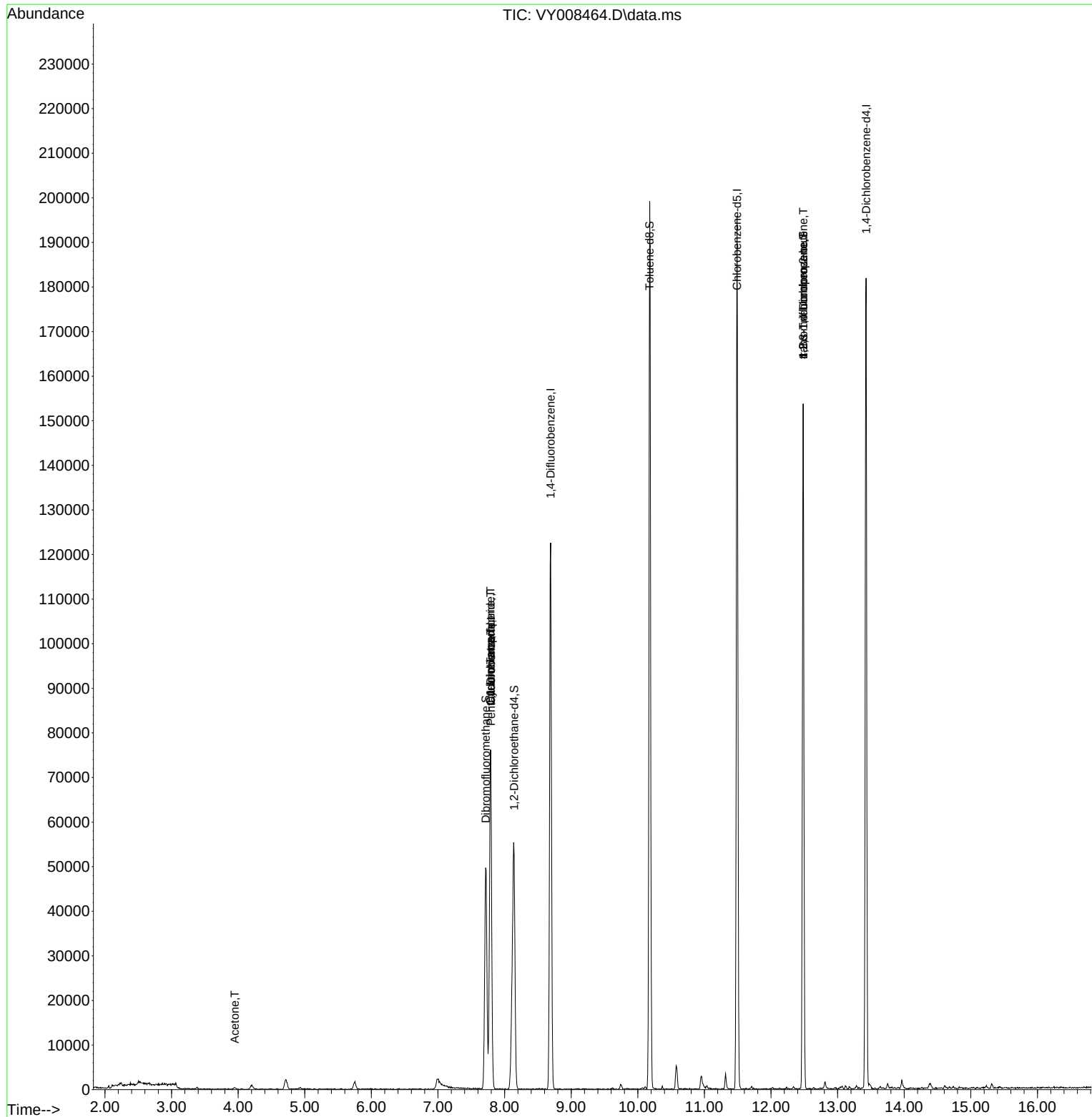
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 59217    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 108582   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 106494   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 46480    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 34718    | 49.828    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 99.660%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 35027    | 49.984    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 99.960%  |
| 50) Toluene-d8                | 10.179 | 98    | 132155   | 47.438    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 94.880%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 44139    | 46.776    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 93.560%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.948  | 59    | 201      | Below Cal | #      | 77       |
| 16) Acetone                   | 3.948  | 43    | 716      | 4.412     | ug/l # | 80       |
| 20) Methylene Chloride        | 4.716  | 84    | 1769     | Below Cal | #      | 76       |
| 31) Cyclohexane               | 7.789  | 56    | 1213     | 1.059     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 5177     | 4.644     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 5967     | 5.152     | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 23723    | 39.438    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 23723    | 91.492    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

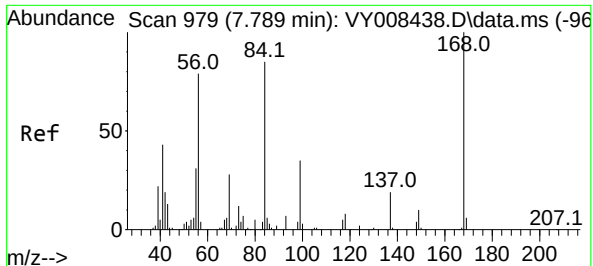
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

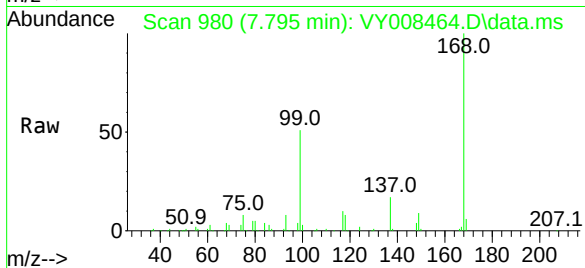
Quant Time: Apr 23 01:52:52 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 21 14:28:40 2022  
Response via : Initial Calibration



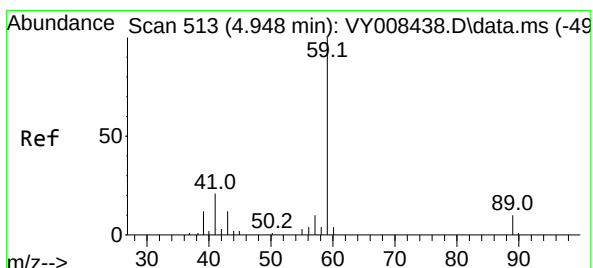
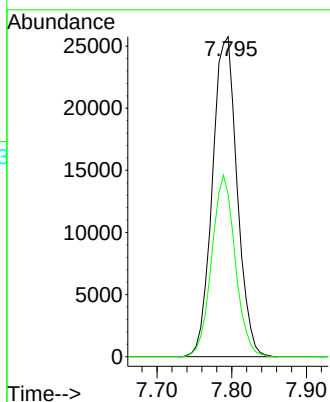
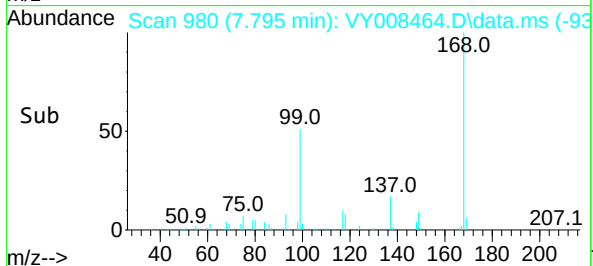


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

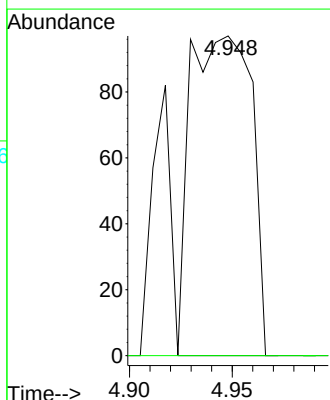
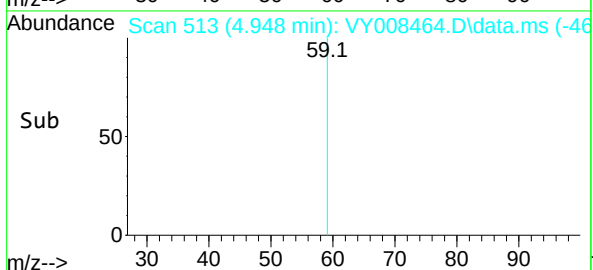
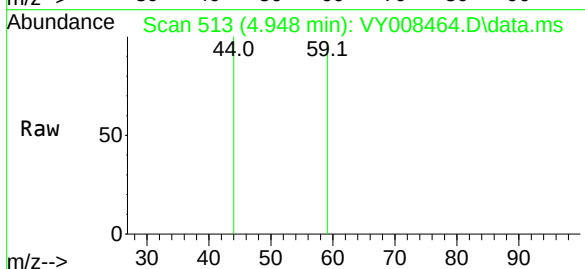


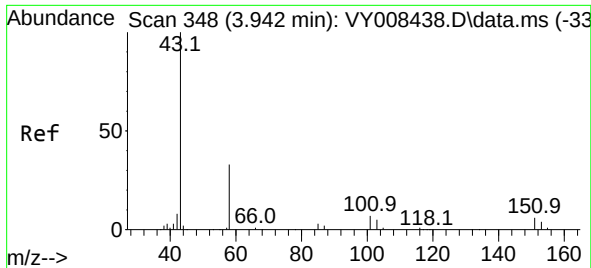
Tgt Ion:168 Resp: 59217  
Ion Ratio Lower Upper  
168 100  
99 50.7 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.948 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Tgt Ion: 59 Resp: 201  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

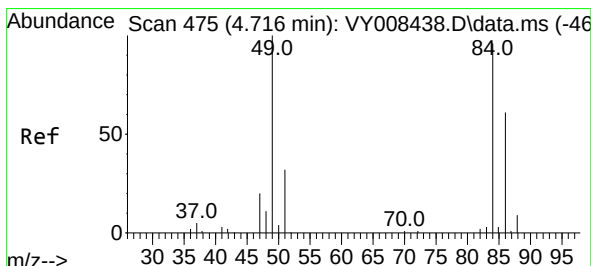
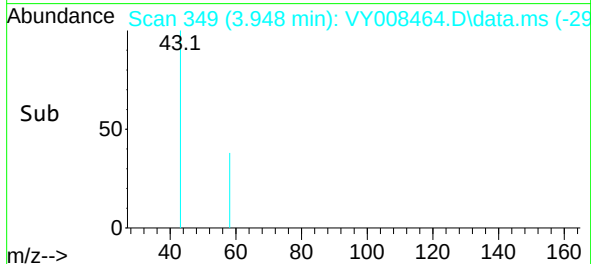
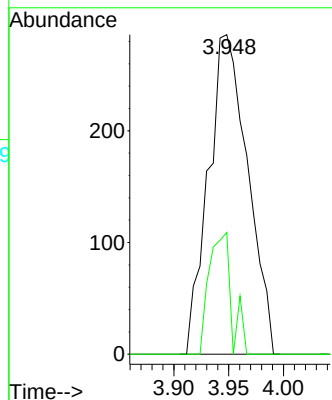
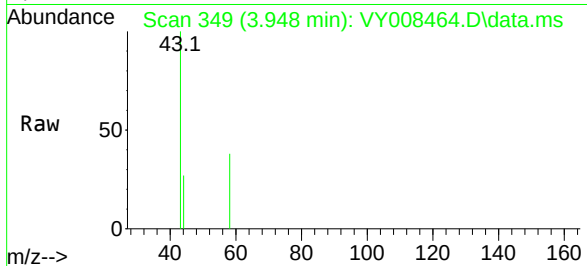




#16  
Acetone  
Concen: 4.412 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

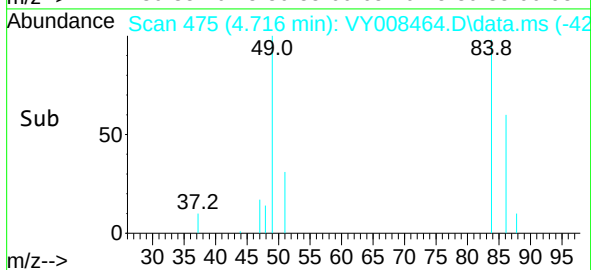
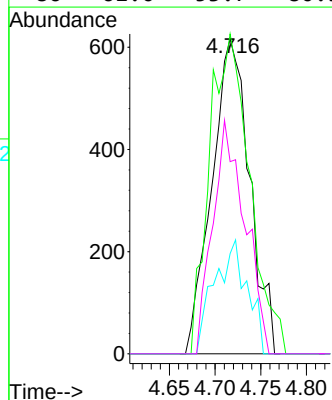
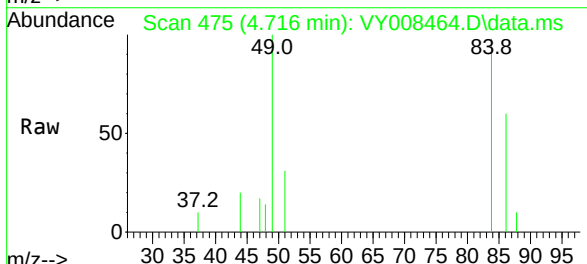
Instrument :  
MSVOA\_Y  
ClientSampleId :

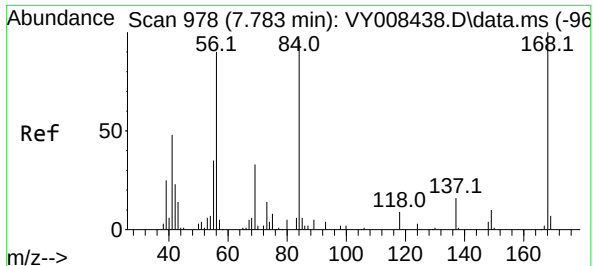
Tgt Ion: 43 Resp: 716  
Ion Ratio Lower Upper  
43 100  
58 38.1 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

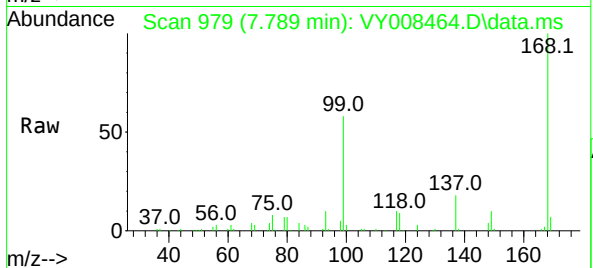
Tgt Ion: 84 Resp: 1769  
Ion Ratio Lower Upper  
84 100  
49 101.6 114.4 171.6#  
51 31.8 35.3 52.9#  
86 61.0 53.7 80.5



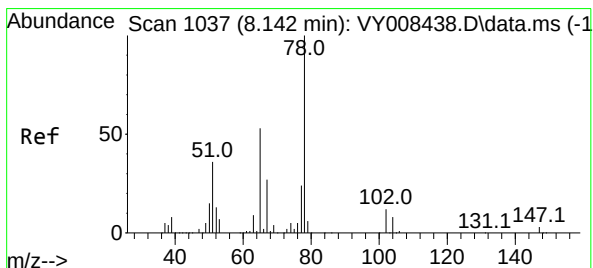
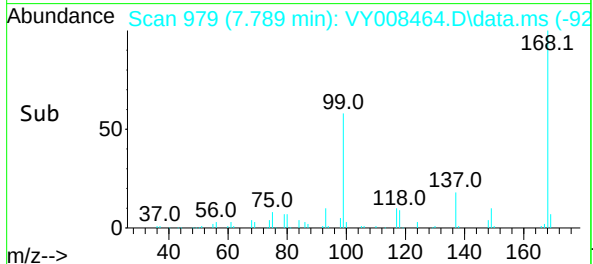
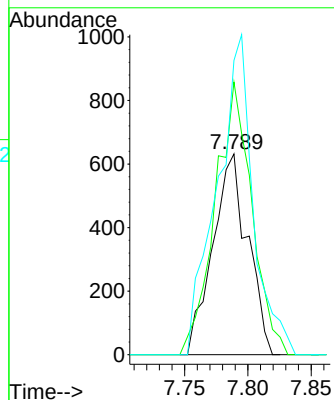


#31  
Cyclohexane  
Concen: 1.059 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

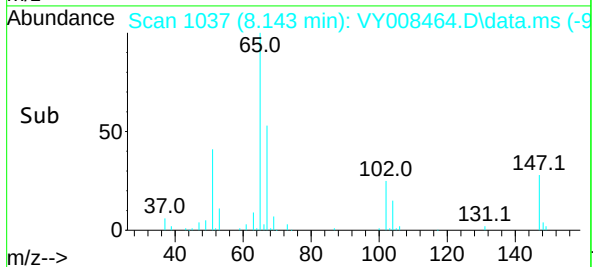
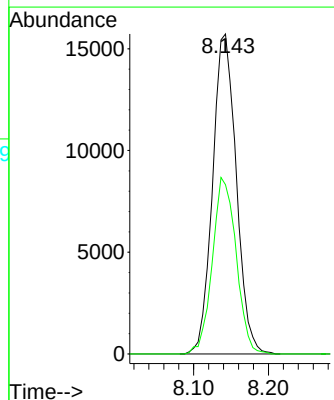
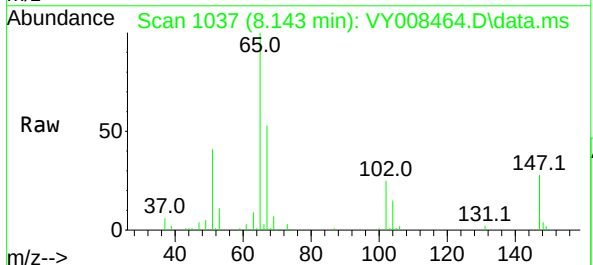


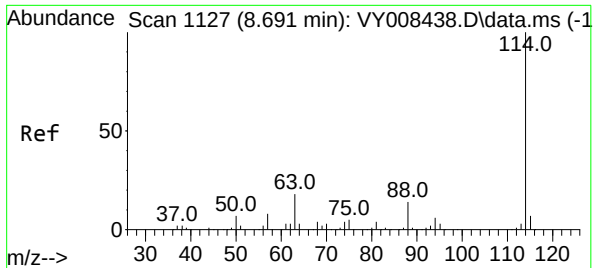
Tgt Ion: 56 Resp: 1213  
Ion Ratio Lower Upper  
56 100  
69 135.8 26.7 40.1#  
84 146.5 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 49.828 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Tgt Ion: 65 Resp: 34718  
Ion Ratio Lower Upper  
65 100  
67 55.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008464.D

Acq: 22 Apr 2022 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

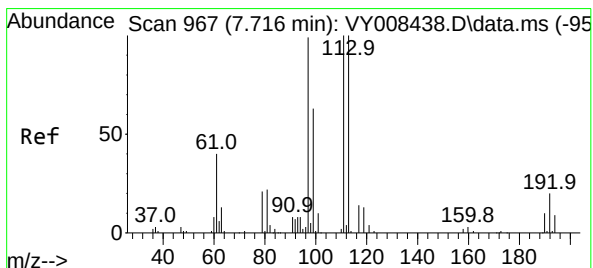
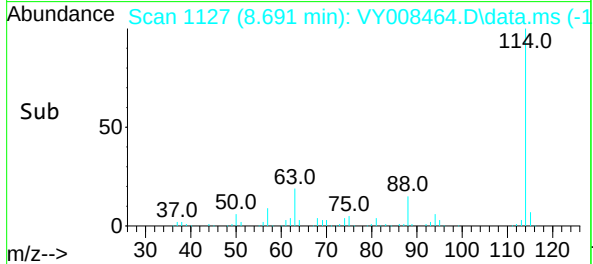
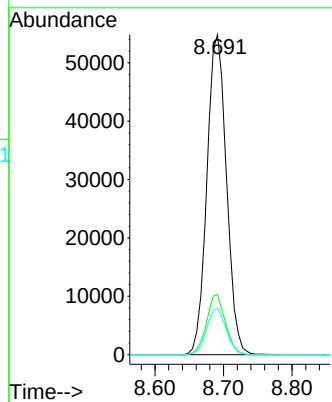
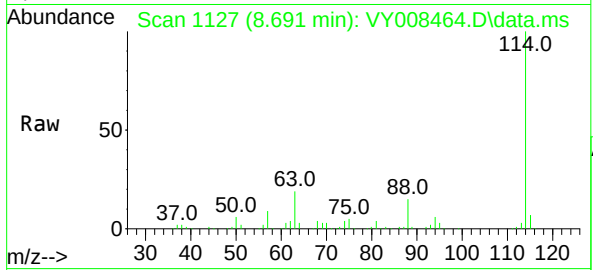
Tgt Ion:114 Resp: 108582

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.984 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008464.D

Acq: 22 Apr 2022 15:01

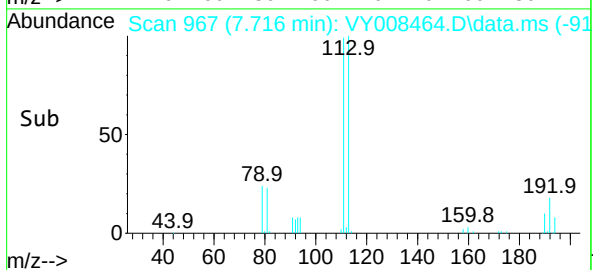
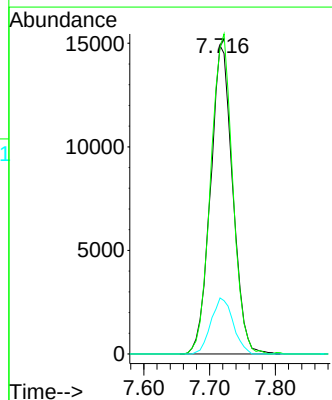
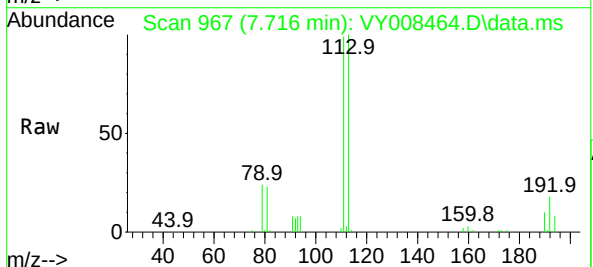
Tgt Ion:113 Resp: 35027

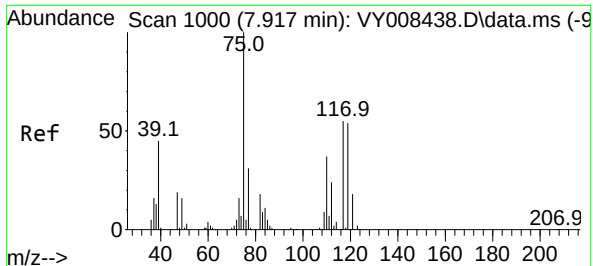
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 18.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

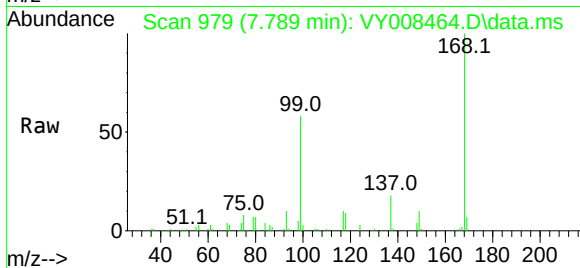
Lab File: VY008464.D

Acq: 22 Apr 2022 15:01

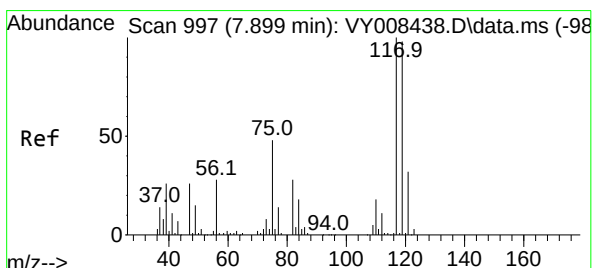
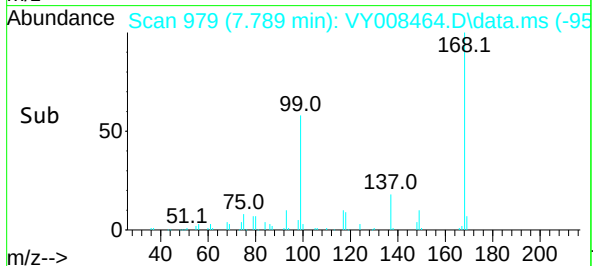
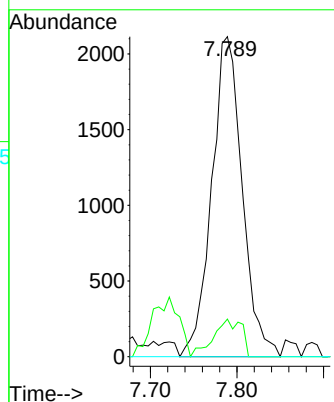
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5177  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.4  | 17.1  | 51.2# |
| 77       | 0.0   | 24.4  | 36.6# |



#38

Carbon Tetrachloride

Concen: 5.152 ug/l

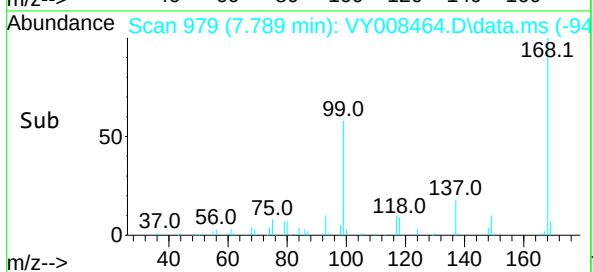
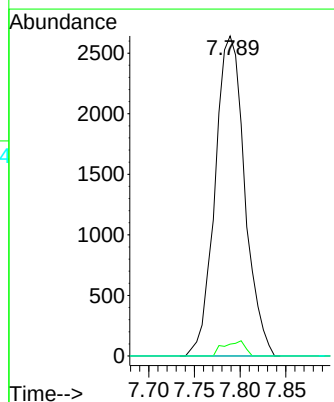
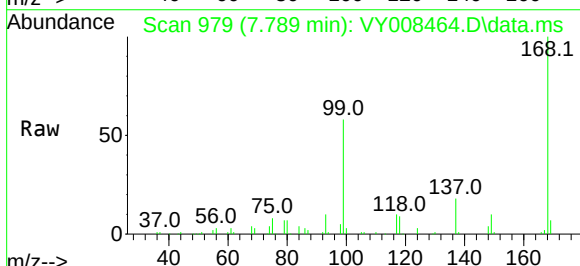
RT: 7.789 min Scan# 979

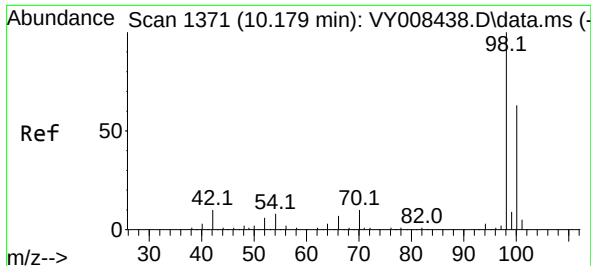
Delta R.T. -0.110 min

Lab File: VY008464.D

Acq: 22 Apr 2022 15:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 5967   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 3.7   | 77.9  | 116.9# |
| 121      | 0.0   | 24.8  | 37.2#  |

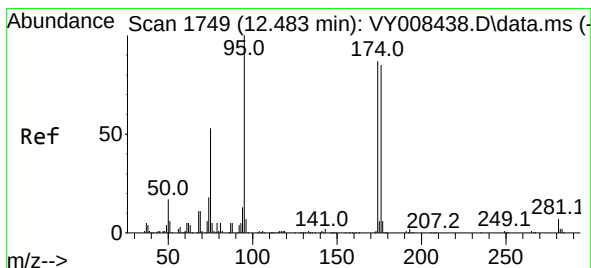
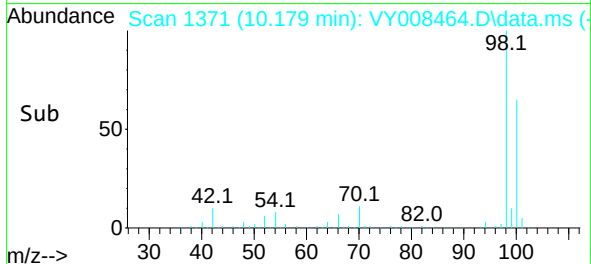
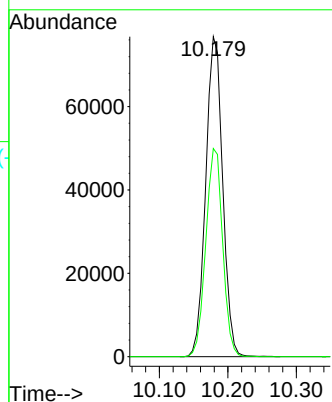
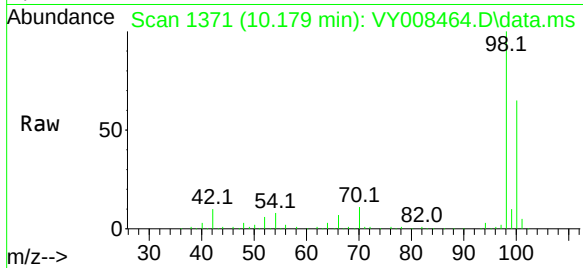




#50  
Toluene-d8  
Concen: 47.438 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

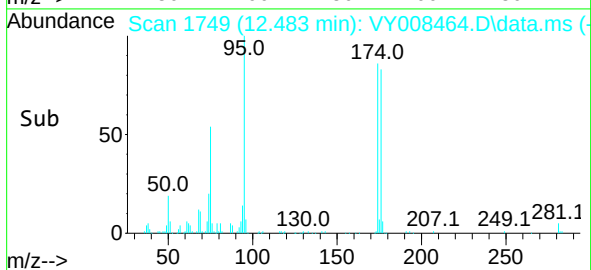
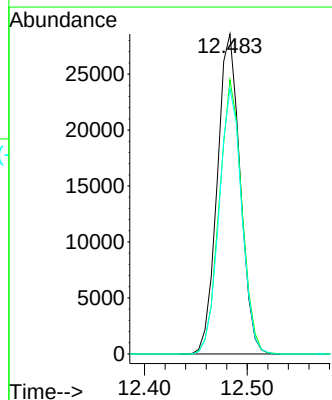
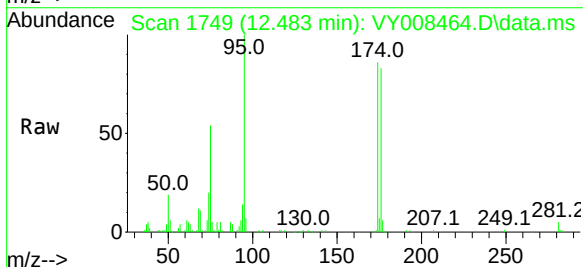
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 132155  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2

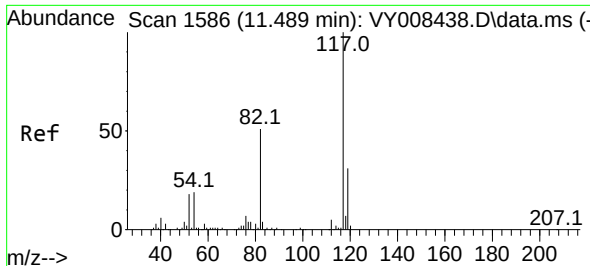


#62  
4-Bromofluorobenzene  
Concen: 46.776 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Tgt Ion: 95 Resp: 44139  
Ion Ratio Lower Upper  
95 100  
174 84.5 0.0 177.0  
176 82.0 0.0 175.8

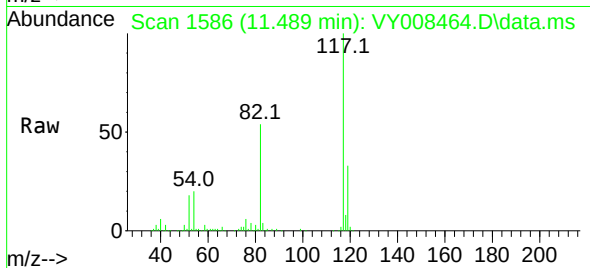




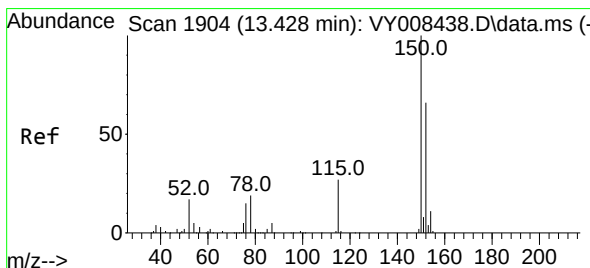
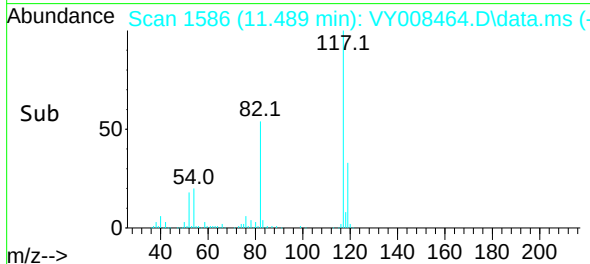
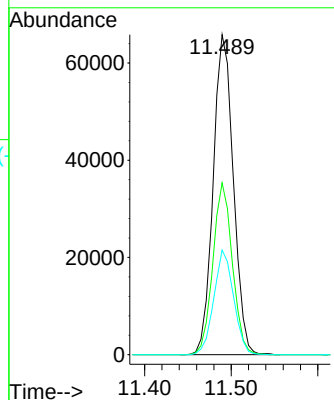


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

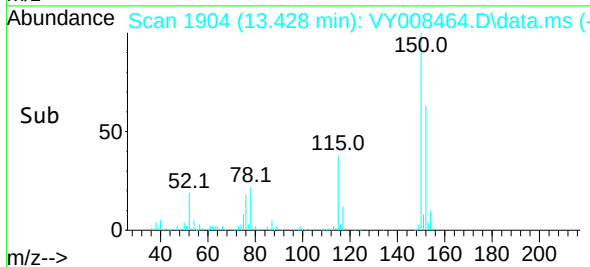
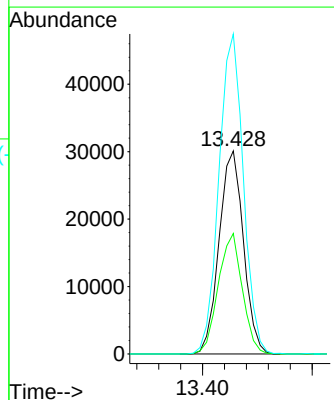
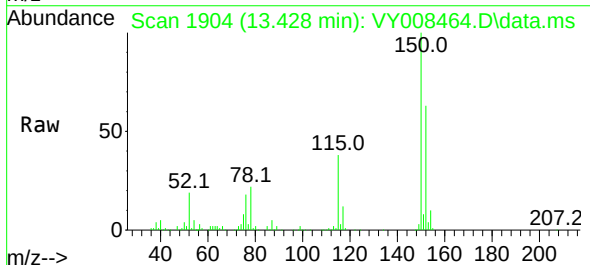


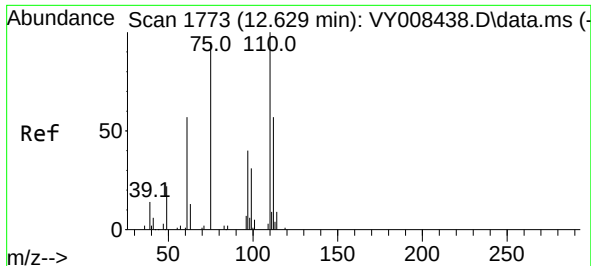
Tgt Ion:117 Resp: 106494  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.0 64.4  
119 32.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Tgt Ion:152 Resp: 46480  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.2 84.7  
150 157.9 0.0 347.6

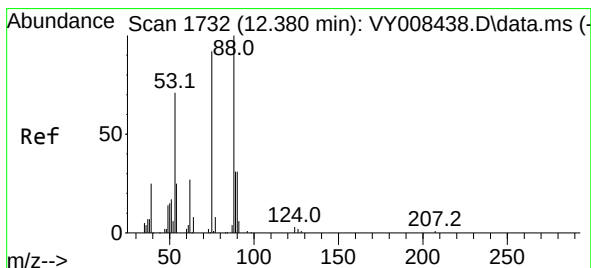
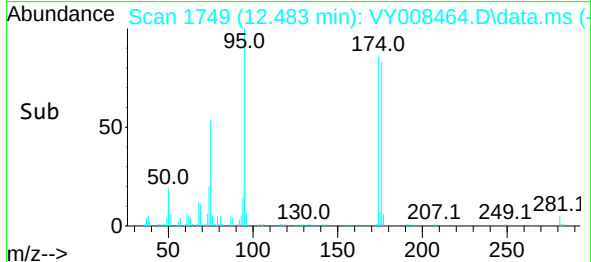
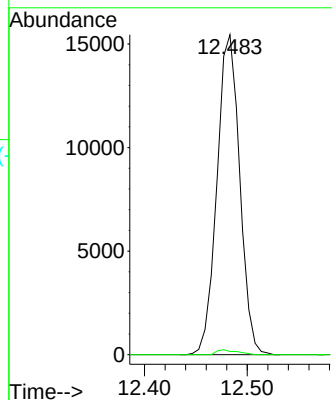
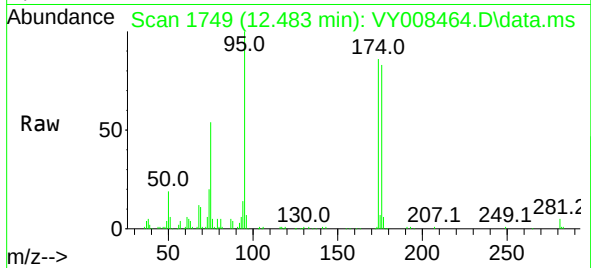




#76  
1,2,3-Trichloropropane  
Concen: 39.438 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 23723  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.492 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY008464.D  
Acq: 22 Apr 2022 15:01

Tgt Ion: 75 Resp: 23723  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

