

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020646.D  
 Acq On : 19 Dec 2024 11:07  
 Operator : SY/MD  
 Sample : VY1219SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1219SBL01

Quant Time: Dec 20 00:46:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

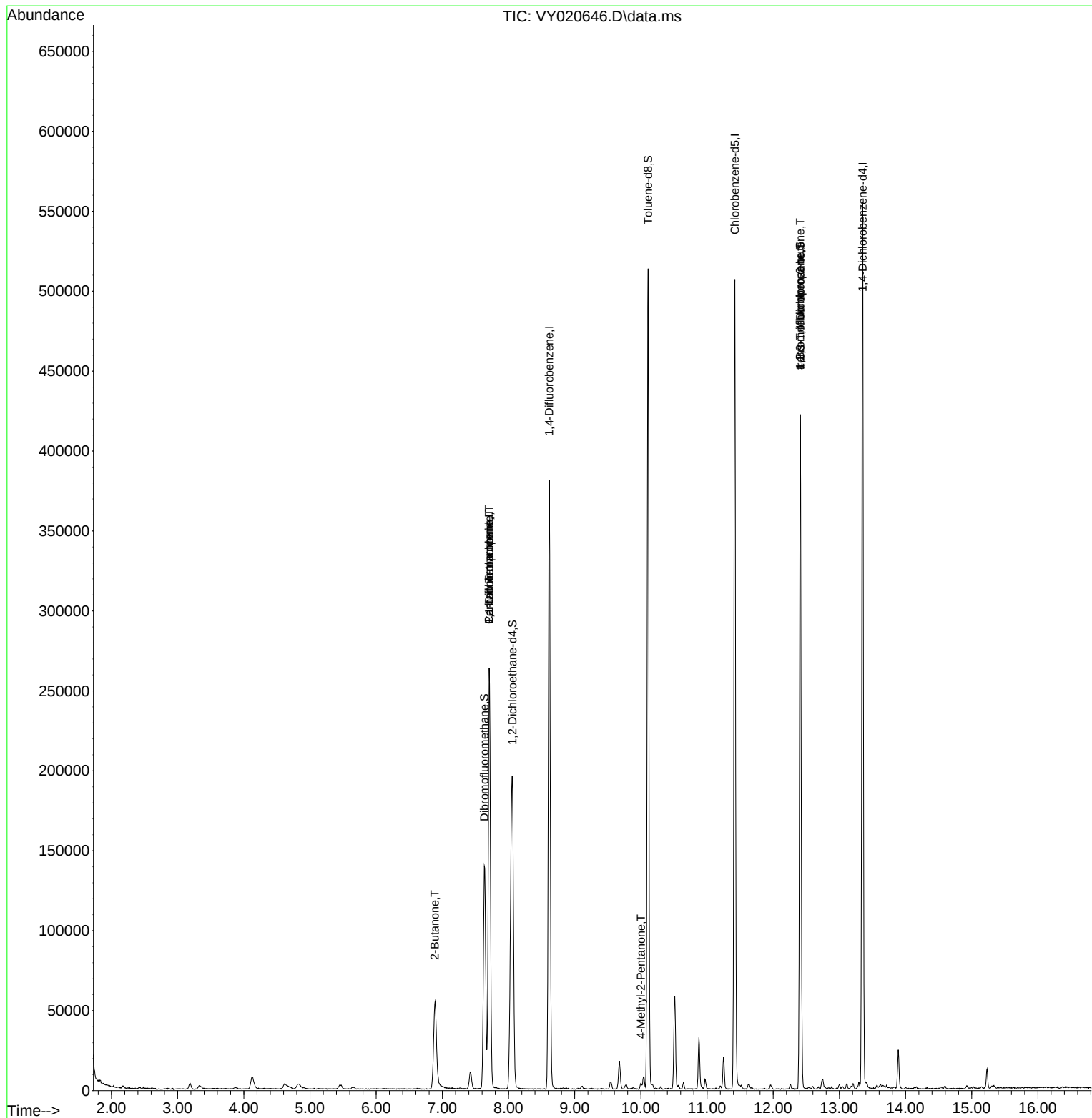
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 204045   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 318952   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 271132   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 145317   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 99418    | 44.488    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 88.980%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 102958   | 45.802    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 91.600%  |
| 50) Toluene-d8                | 10.109 | 98    | 344522   | 43.788    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 87.580%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 124147   | 40.337    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | =      | 80.680%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.836  | 59    | 3875     | Below Cal | #      | 75       |
| 16) Acetone                   | 3.873  | 43    | 1595     | Below Cal | #      | 88       |
| 25) 2-Butanone                | 6.884  | 43    | 3215     | 3.871     | ug/l # | 65       |
| 30) Chloroform                | 7.421  | 83    | 10556    | Below Cal |        | 88       |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 15719    | 3.835     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 20446    | 4.509     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43    | 2573     | 1.335     | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 64555    | 42.764    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 64555    | 89.764    | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

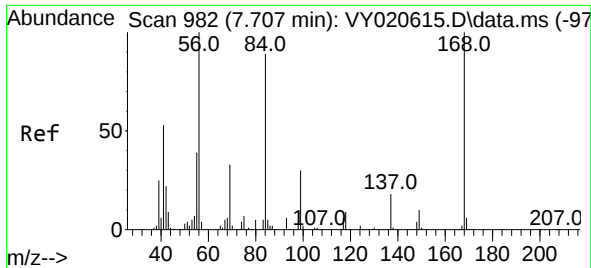
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1219SBL01

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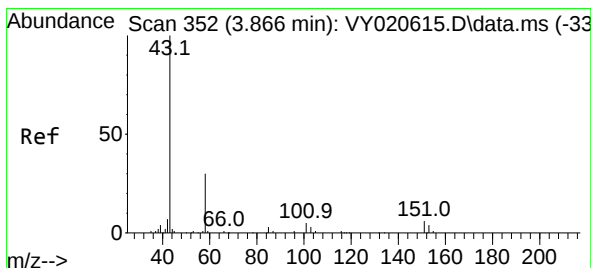
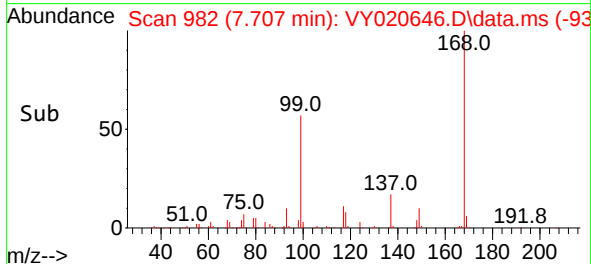
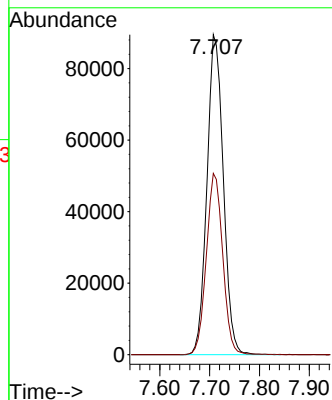
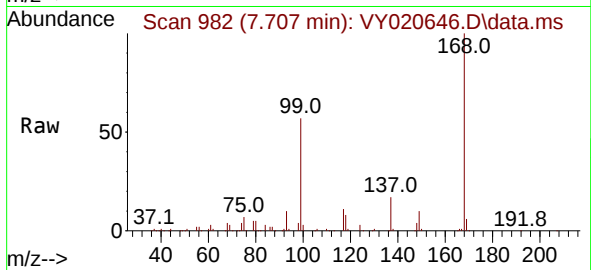




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

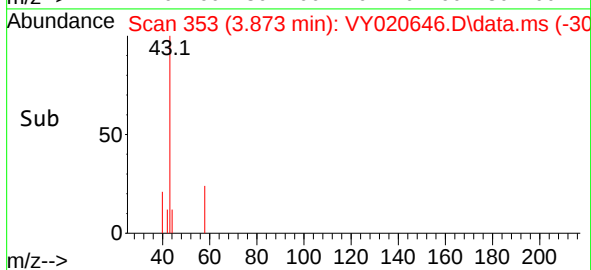
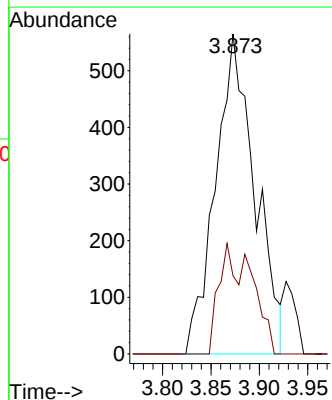
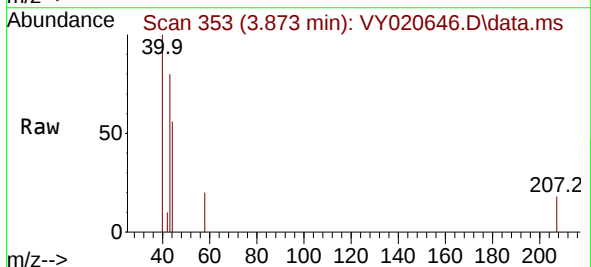
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1219SBL01

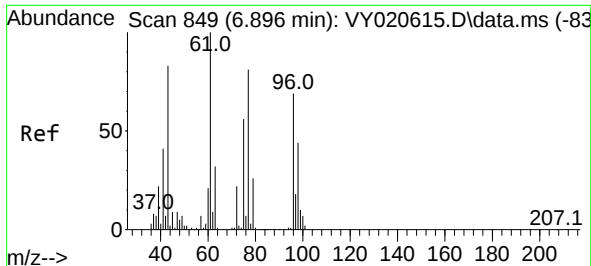
Tgt Ion:168 Resp: 204045  
Ion Ratio Lower Upper  
168 100  
99 56.6 47.0 70.6



#16  
Acetone  
Concen: Below Cal  
RT: 3.873 min Scan# 353  
Delta R.T. 0.007 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

Tgt Ion: 43 Resp: 1595  
Ion Ratio Lower Upper  
43 100  
58 24.4 25.0 37.6#





#25

2-Butanone

Concen: 3.871 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY020646.D

Acq: 19 Dec 2024 11:07

Instrument :

MSVOA\_Y

ClientSampleId :

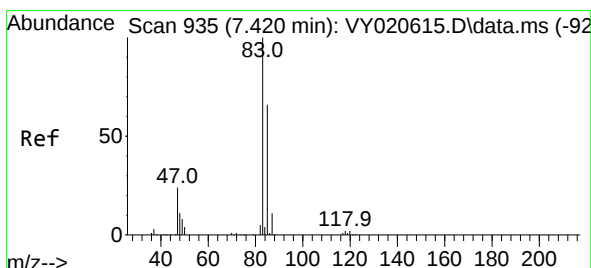
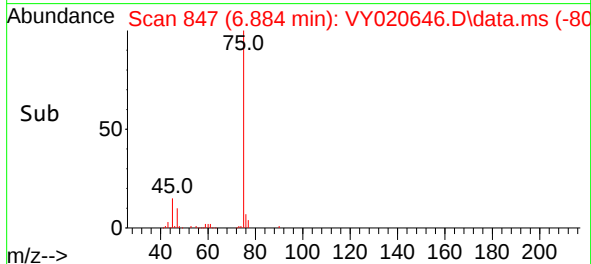
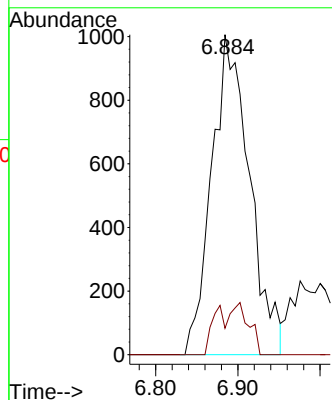
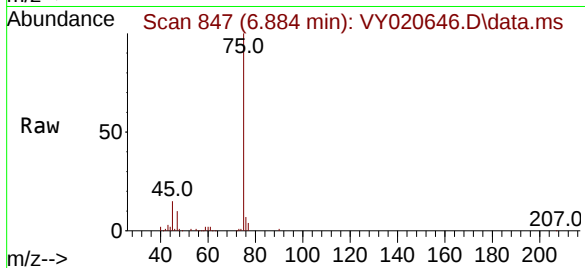
VY1219SBL01

Tgt Ion: 43 Resp: 3215

Ion Ratio Lower Upper

43 100

72 8.3 20.6 31.0#



#30

Chloroform

Concen: Below Cal

RT: 7.421 min Scan# 935

Delta R.T. 0.001 min

Lab File: VY020646.D

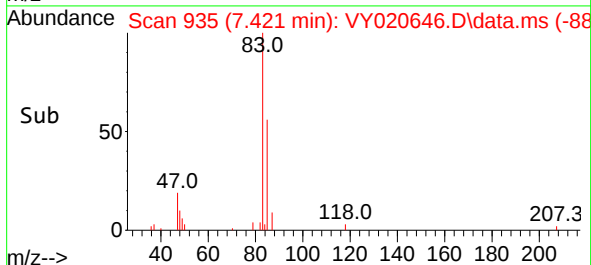
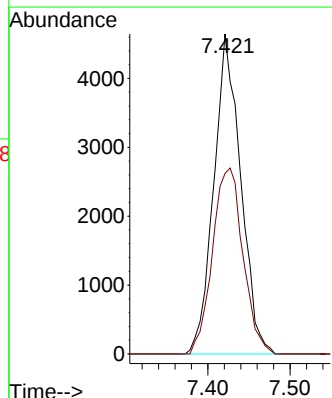
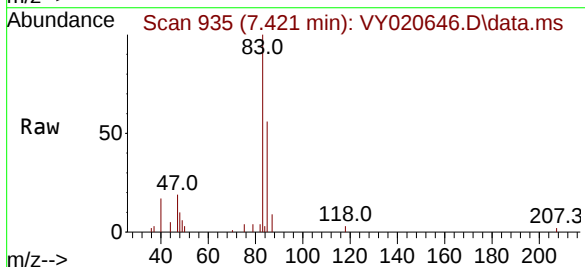
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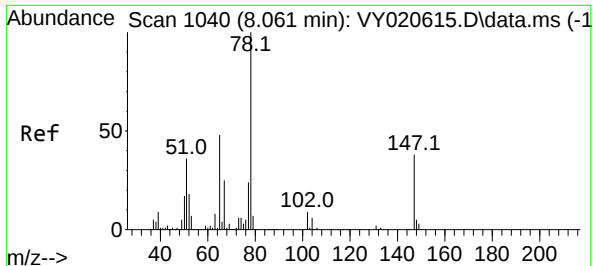
Tgt Ion: 83 Resp: 10556

Ion Ratio Lower Upper

83 100

85 56.4 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 44.488 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020646.D

Acq: 19 Dec 2024 11:07

Instrument :

MSVOA\_Y

ClientSampleId :

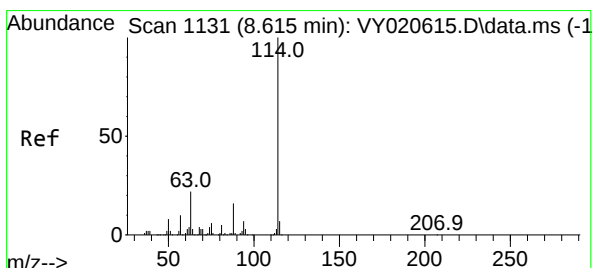
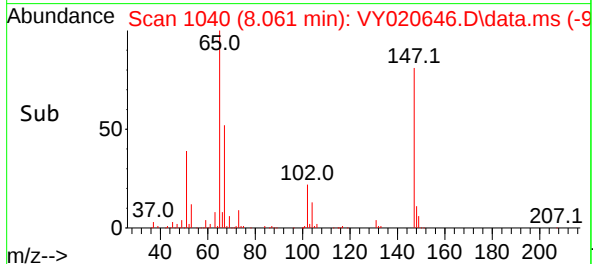
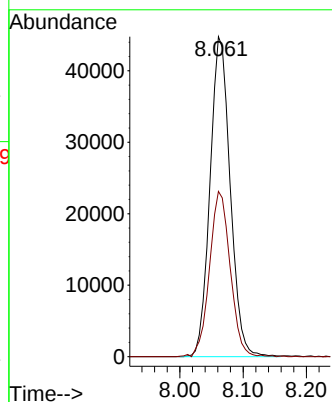
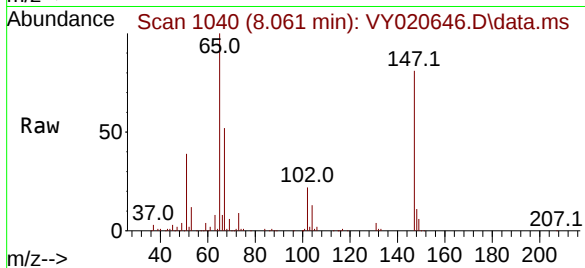
VY1219SBL01

Tgt Ion: 65 Resp: 99418

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020646.D

Acq: 19 Dec 2024 11:07

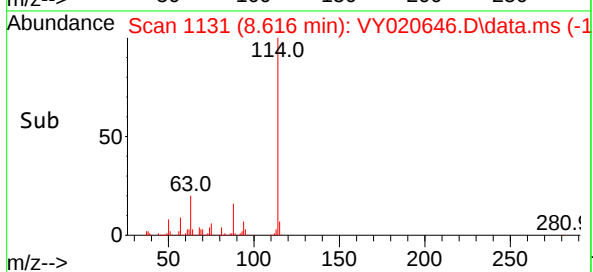
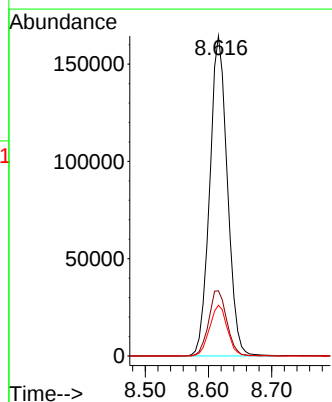
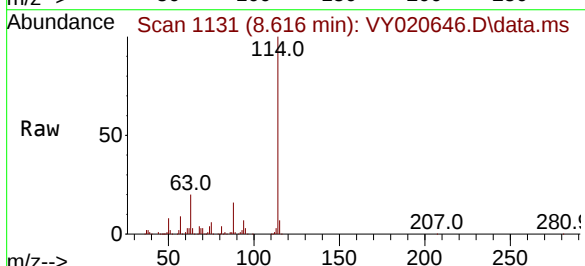
Tgt Ion:114 Resp: 318952

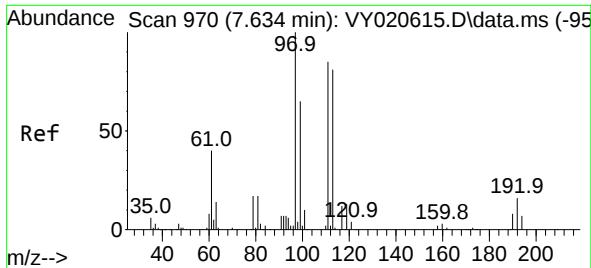
Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.0

88 15.9 0.0 32.8

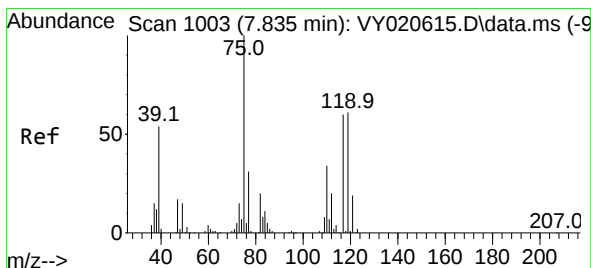
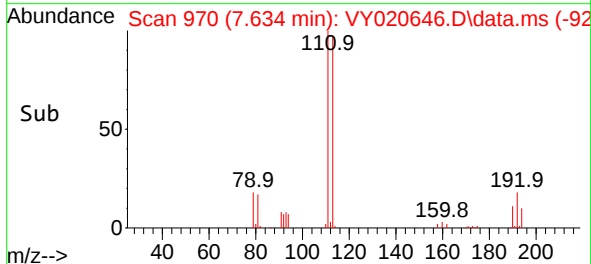
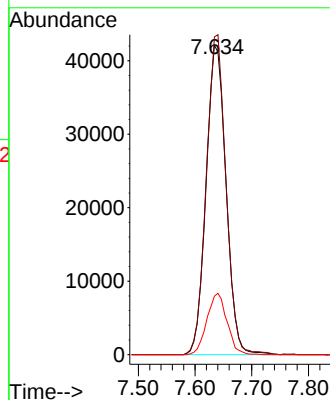
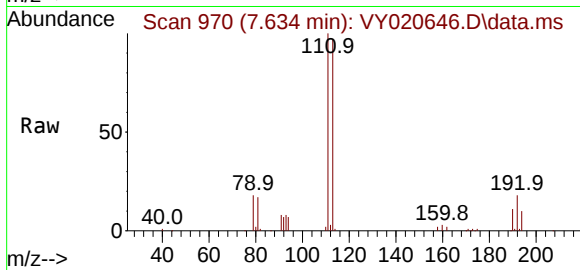




#35  
Dibromofluoromethane  
Concen: 45.802 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

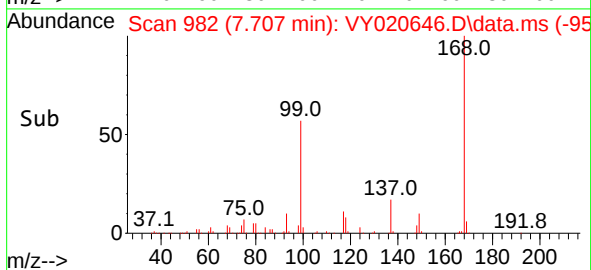
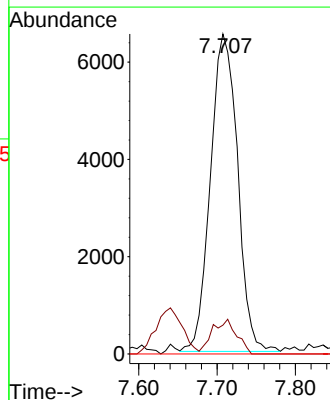
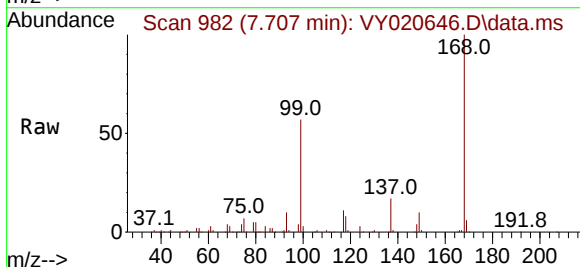
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1219SBL01

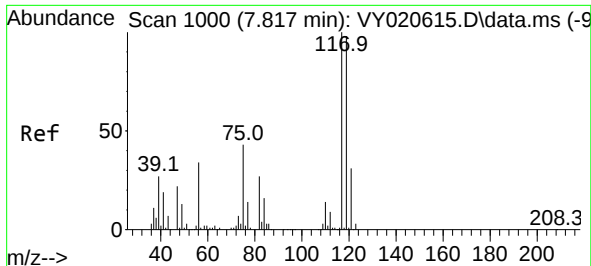
Tgt Ion:113 Resp: 102958  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.9 124.3  
192 20.0 15.7 23.5



#36  
1,1-Dichloropropene  
Concen: 3.835 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

Tgt Ion: 75 Resp: 15719  
Ion Ratio Lower Upper  
75 100  
110 9.8 16.8 50.4#  
77 0.0 25.0 37.6#

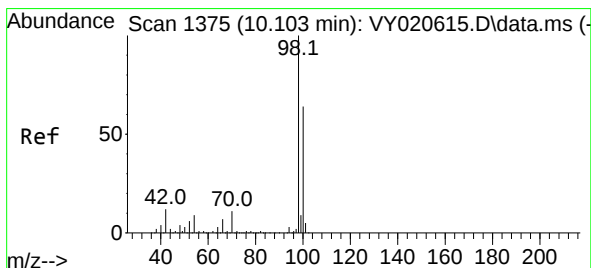
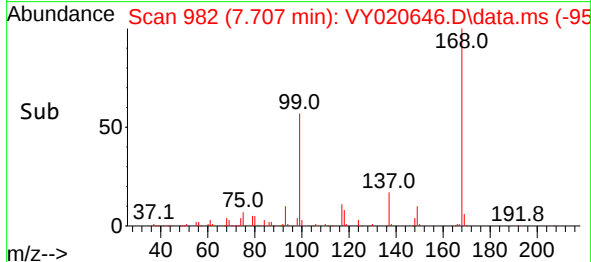
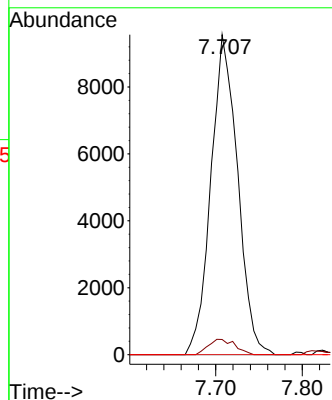
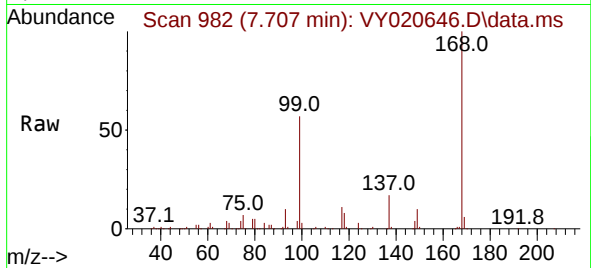




#38  
Carbon Tetrachloride  
Concen: 4.509 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

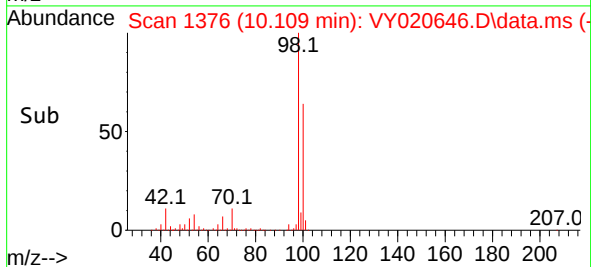
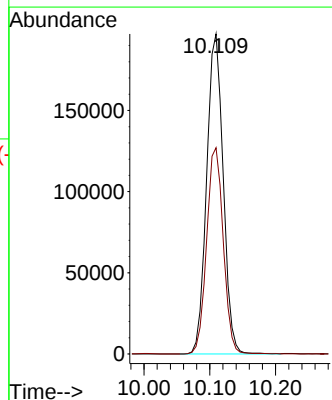
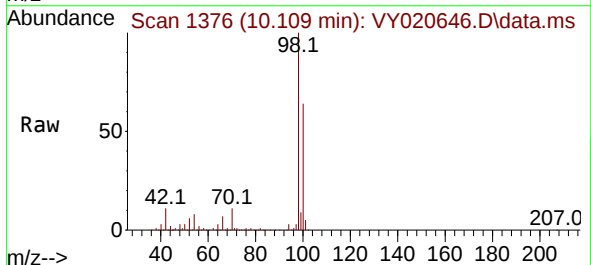
Instrument :  
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ClientSampleId :  
VY1219SBL01

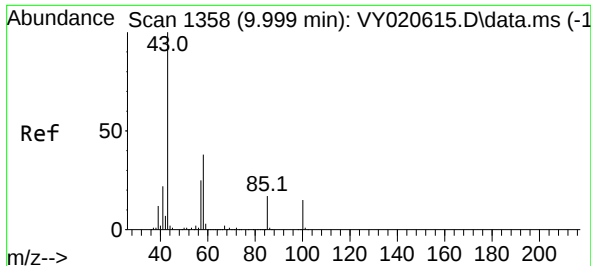
Tgt Ion:117 Resp: 20446  
Ion Ratio Lower Upper  
117 100  
119 4.7 78.3 117.5#  
121 0.0 25.1 37.7#



#50  
Toluene-d8  
Concen: 43.788 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

Tgt Ion: 98 Resp: 344522  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.1 78.1

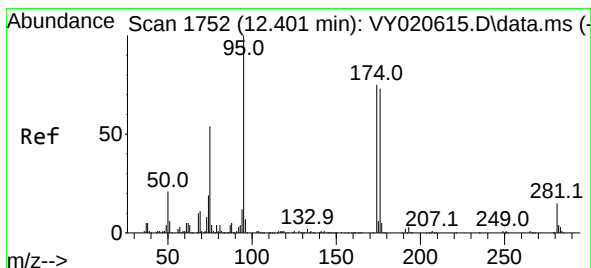
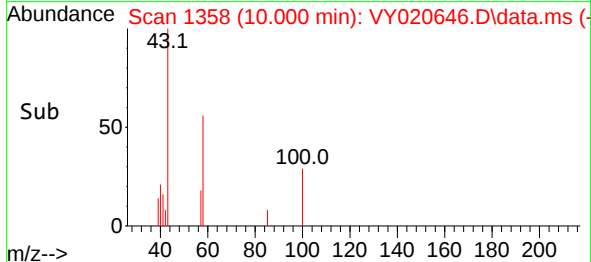
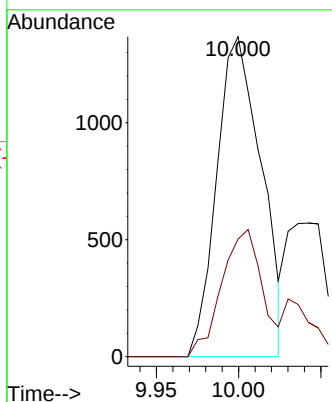
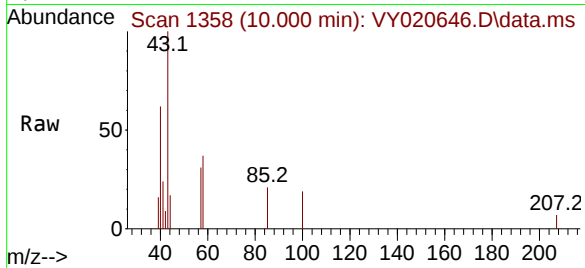




#51  
4-Methyl-2-Pentanone  
Concen: 1.335 ug/l  
RT: 10.000 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

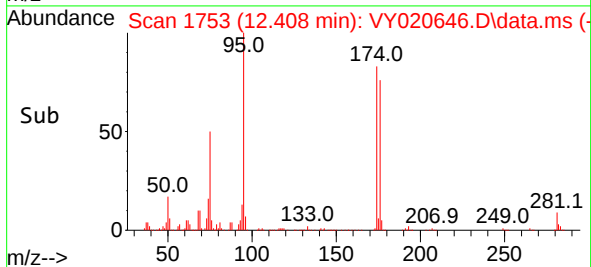
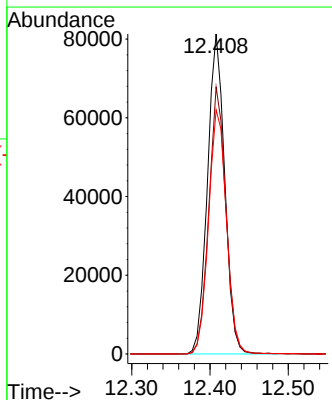
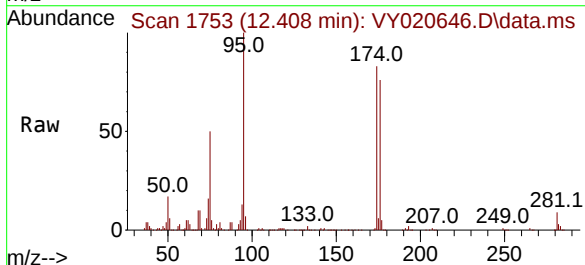
Instrument :  
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ClientSampleId :  
VY1219SBL01

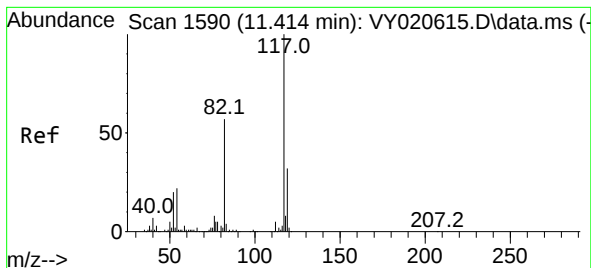
Tgt Ion: 43 Resp: 2573  
Ion Ratio Lower Upper  
43 100  
58 36.5 31.4 47.2



#62  
4-Bromofluorobenzene  
Concen: 40.337 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020646.D  
Acq: 19 Dec 2024 11:07

Tgt Ion: 95 Resp: 124147  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 161.8  
176 79.1 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020646.D

Acq: 19 Dec 2024 11:07

Instrument :

MSVOA\_Y

ClientSampleId :

VY1219SBL01

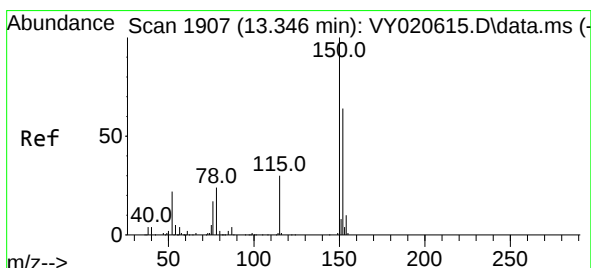
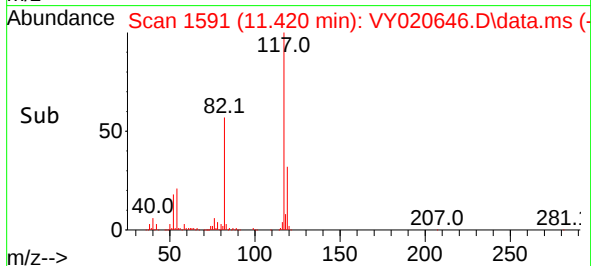
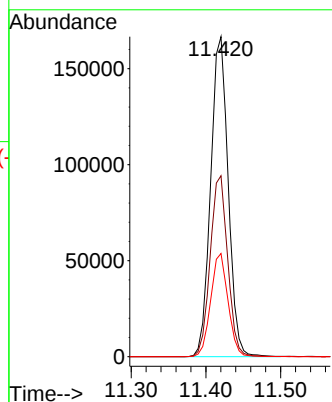
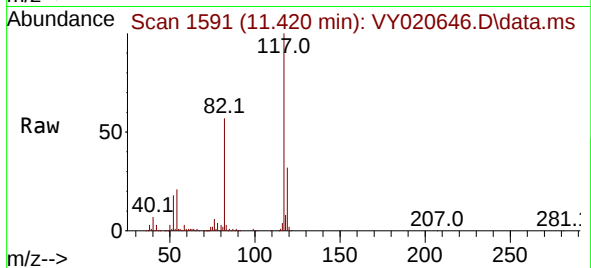
Tgt Ion:117 Resp: 271132

Ion Ratio Lower Upper

117 100

82 56.5 45.8 68.6

119 32.2 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY020646.D

Acq: 19 Dec 2024 11:07

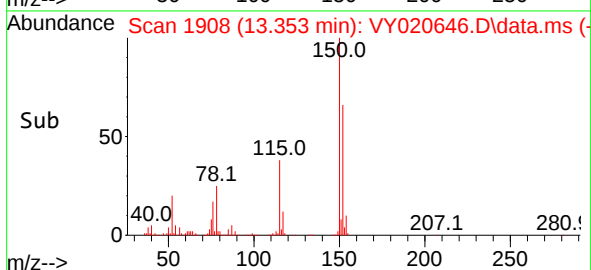
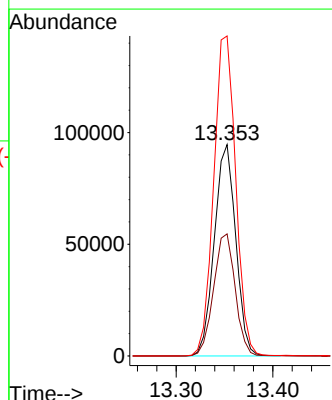
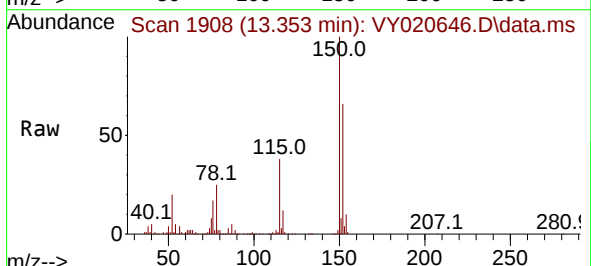
Tgt Ion:152 Resp: 145317

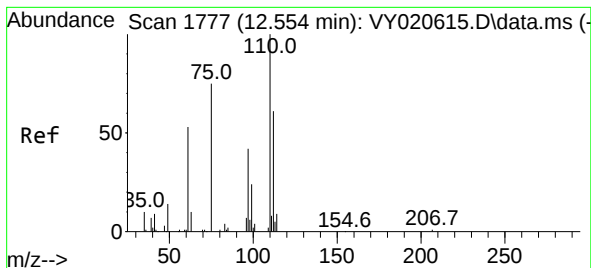
Ion Ratio Lower Upper

152 100

115 58.4 30.2 90.6

150 155.2 0.0 355.4





#76

1,2,3-Trichloropropane

Concen: 42.764 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY020646.D

Acq: 19 Dec 2024 11:07

Instrument :

MSVOA\_Y

ClientSampleId :

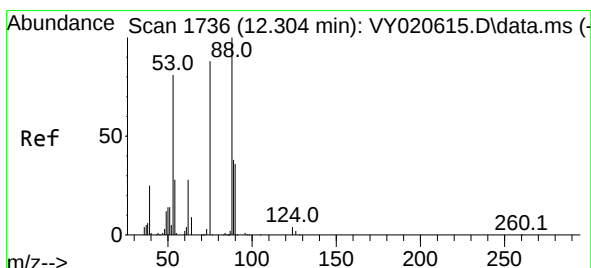
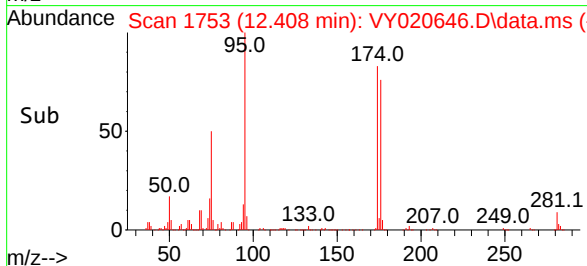
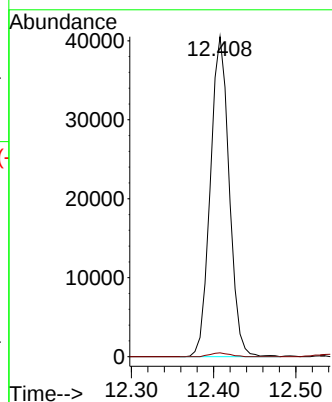
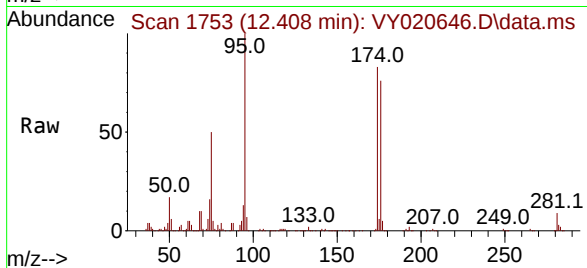
VY1219SBL01

Tgt Ion: 75 Resp: 64555

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.764 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY020646.D

Acq: 19 Dec 2024 11:07

Tgt Ion: 75 Resp: 64555

Ion Ratio Lower Upper

75 100

53 0.1 75.4 113.2#

89 0.1 37.0 55.4#

