

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013122\  
 Data File : VY007339.D  
 Acq On : 31 Jan 2022 15:38  
 Operator : SY/MD  
 Sample : VY0131SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0131SBL01

Quant Time: Feb 01 01:52:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

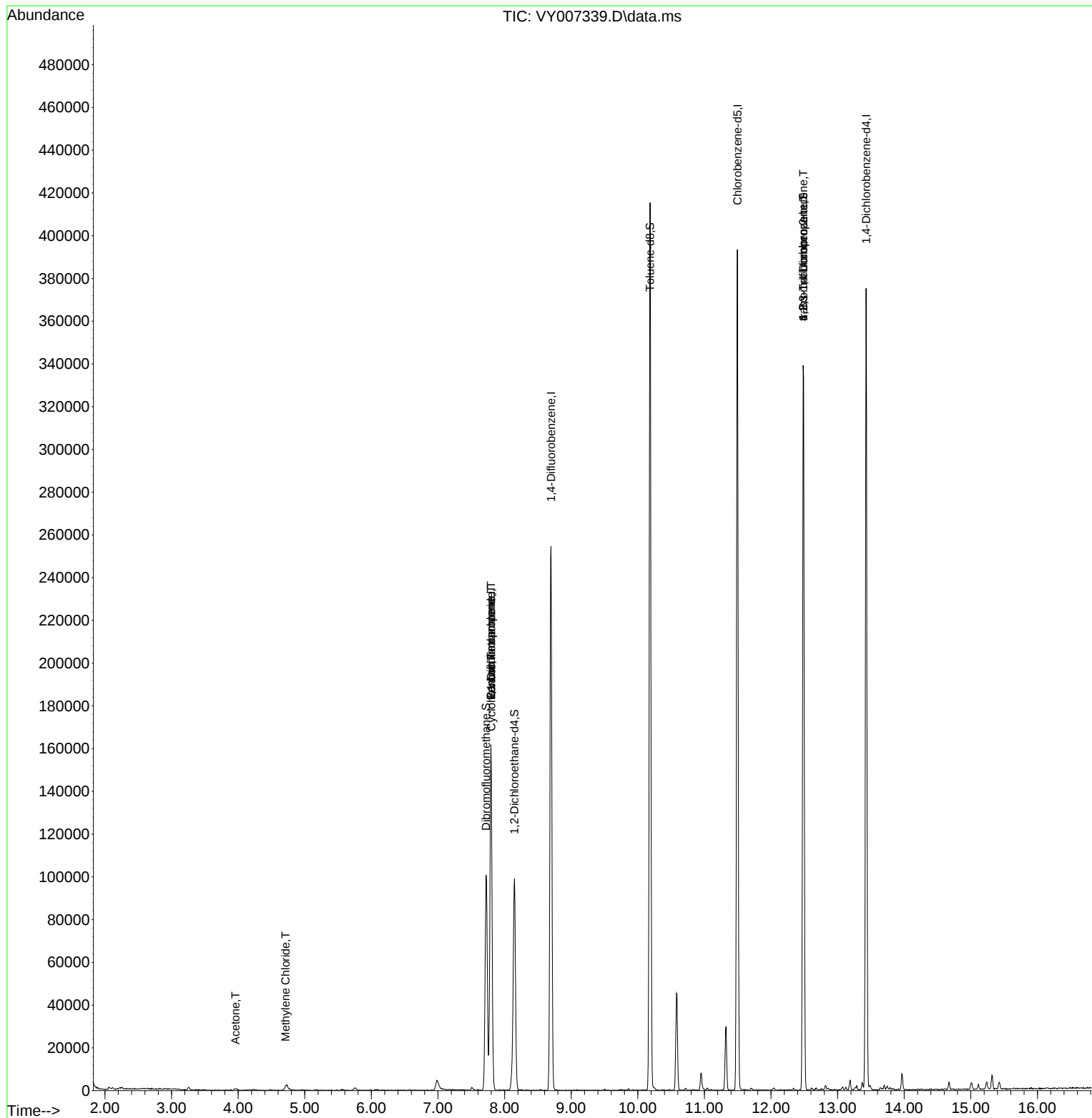
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 115058              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 215348              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 204033              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 87359               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 75246               | 53.299    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 106.600% |           |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 71183               | 48.884    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 97.760%  |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 263079              | 49.444    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 98.880%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 93403               | 49.350    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 98.700%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 11) Tert butyl alcohol        | 4.966          | 59   | 192                 | Below Cal | #      | 73       |
| 16) Acetone                   | 3.960          | 43   | 1595                | 4.353     | ug/l # | 83       |
| 20) Methylene Chloride        | 4.710          | 84   | 1907                | 1.259     | ug/l # | 76       |
| 31) Cyclohexane               | 7.801          | 56   | 2702                | 1.132     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 10213               | 4.391     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 12336               | 5.043     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 52559               | 52.764    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 52559               | 96.596    | ug/l # | 3        |
| -----                         |                |      |                     |           |        |          |

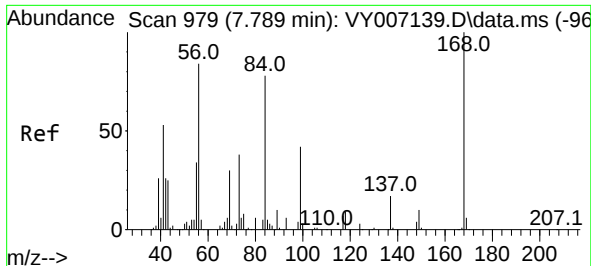
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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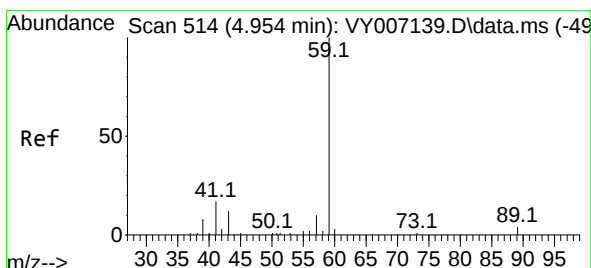
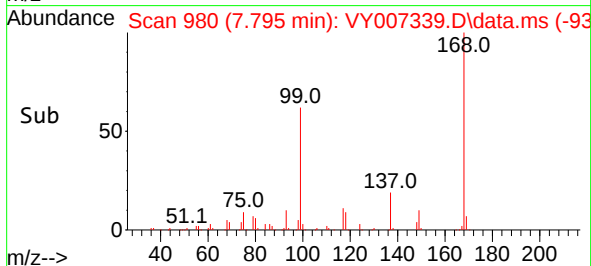
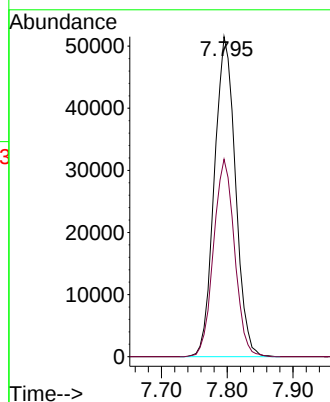
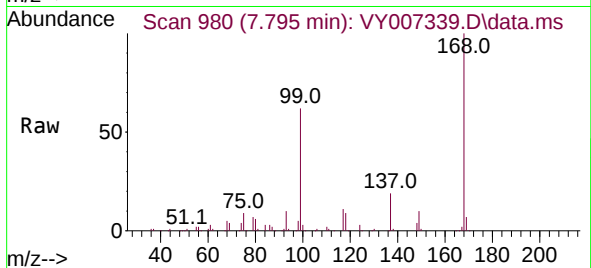




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

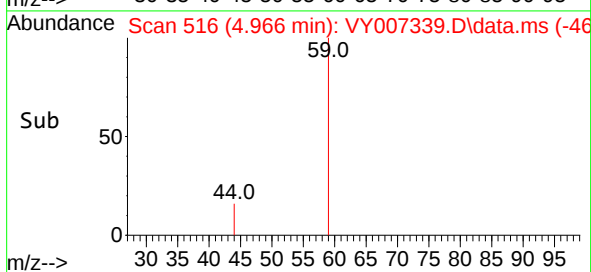
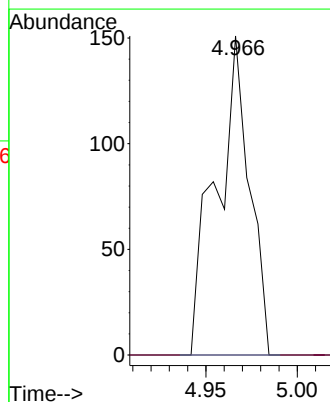
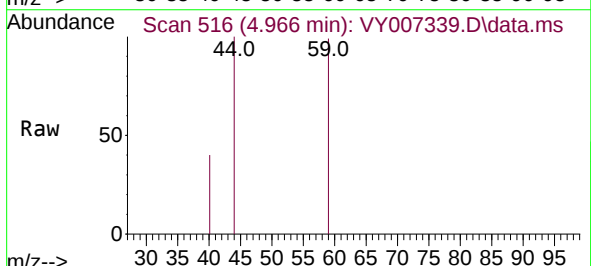
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0131SBL01

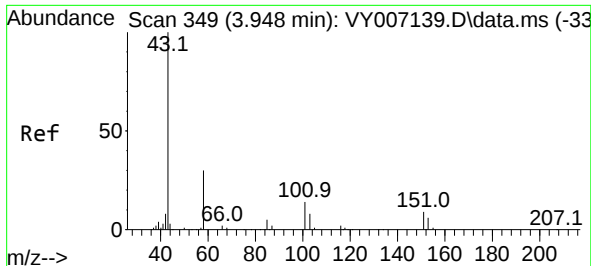
Tgt Ion:168 Resp: 115058  
Ion Ratio Lower Upper  
168 100  
99 61.7 49.1 73.7



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.966 min Scan# 516  
Delta R.T. 0.012 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

Tgt Ion: 59 Resp: 192  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

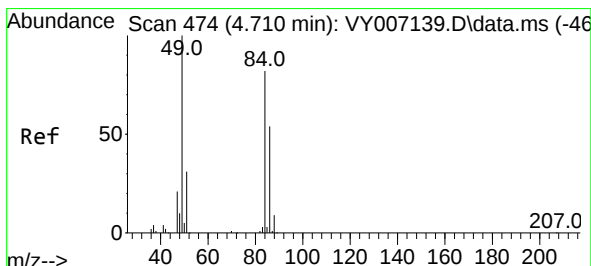
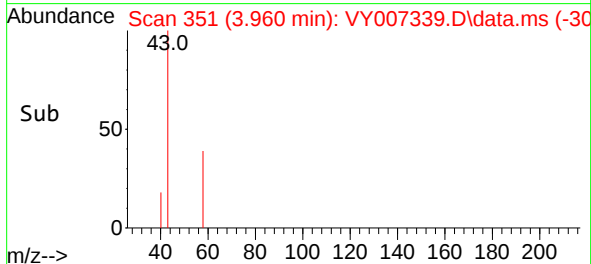
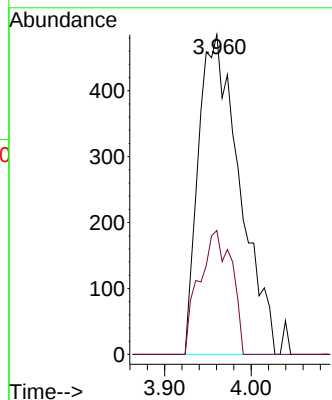
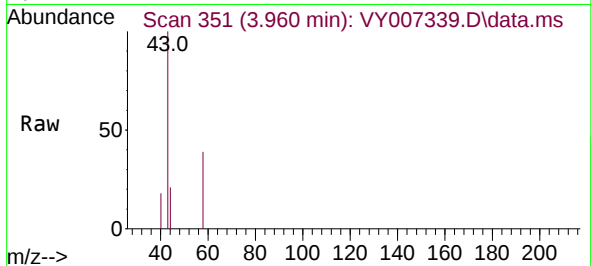




#16  
Acetone  
Concen: 4.353 ug/l  
RT: 3.960 min Scan# 31  
Delta R.T. 0.013 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

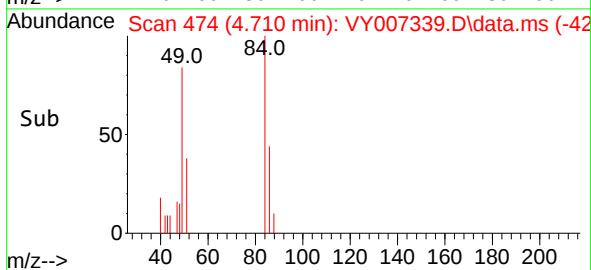
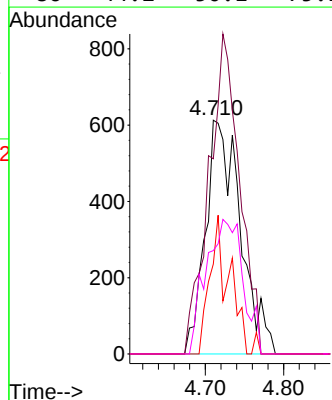
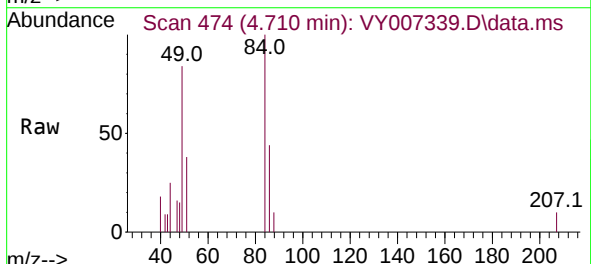
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0131SBL01

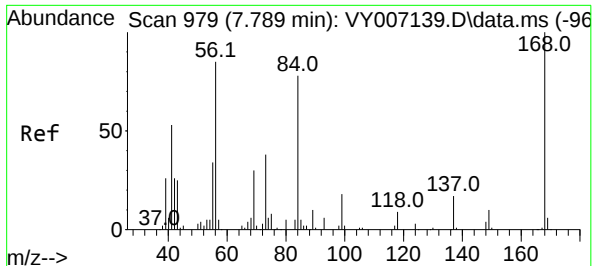
Tgt Ion: 43 Resp: 1595  
Ion Ratio Lower Upper  
43 100  
58 38.8 23.8 35.6#



#20  
Methylene Chloride  
Concen: 1.259 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

Tgt Ion: 84 Resp: 1907  
Ion Ratio Lower Upper  
84 100  
49 83.5 92.6 139.0#  
51 38.5 28.6 42.8  
86 44.2 50.1 75.1#

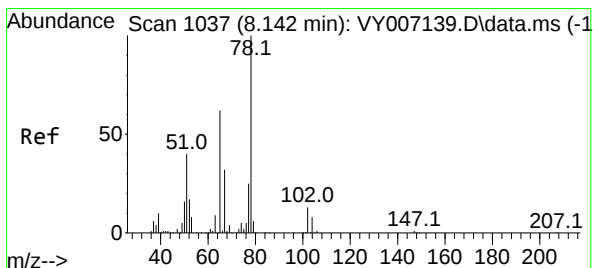
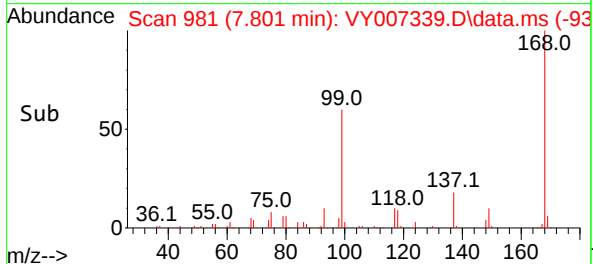
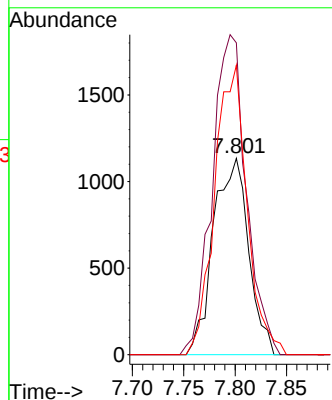
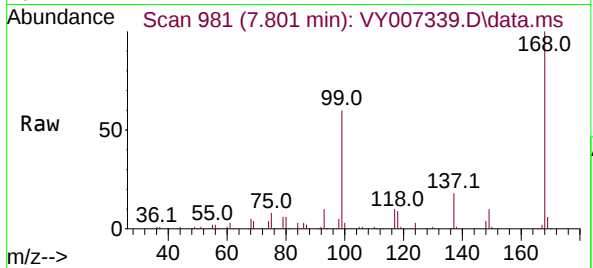




#31  
Cyclohexane  
Concen: 1.132 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.013 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

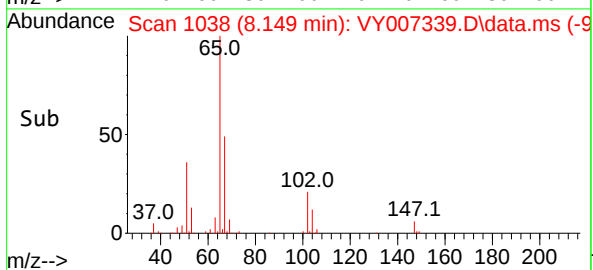
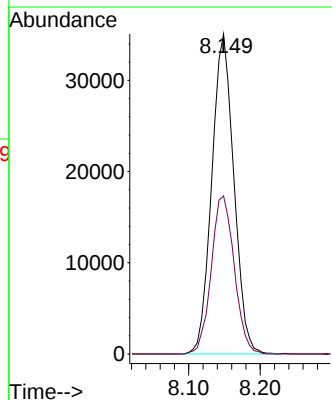
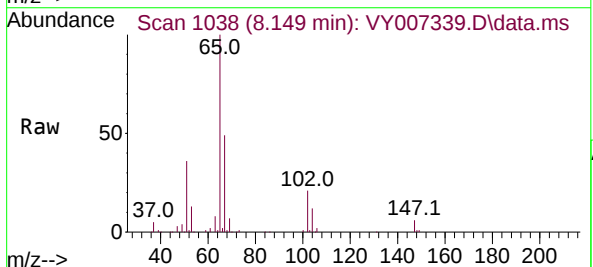
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0131SBL01

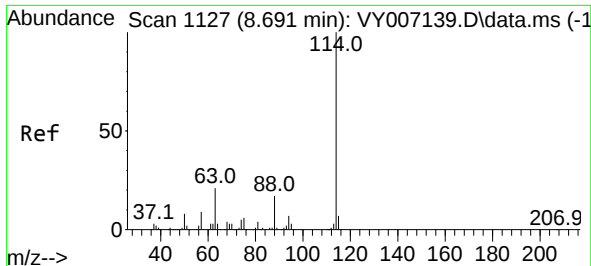
Tgt Ion: 56 Resp: 2702  
Ion Ratio Lower Upper  
56 100  
69 158.8 27.2 40.8#  
84 147.4 72.1 108.1#



#33  
1,2-Dichloroethane-d4  
Concen: 53.299 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

Tgt Ion: 65 Resp: 75246  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 105.6

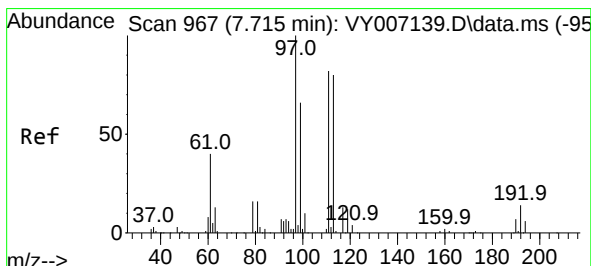
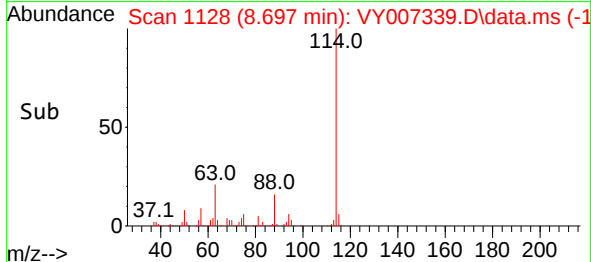
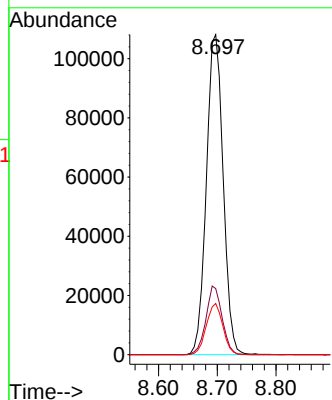
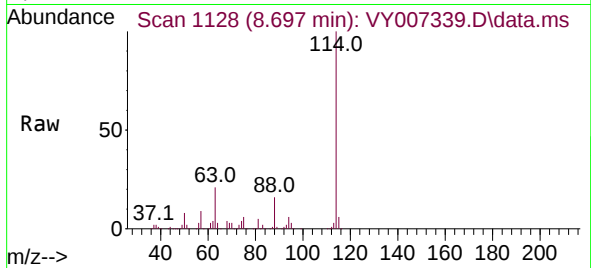




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

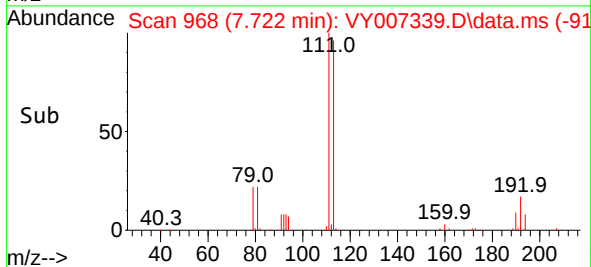
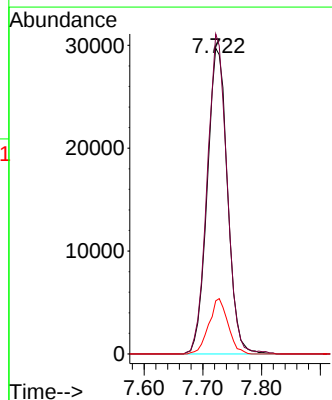
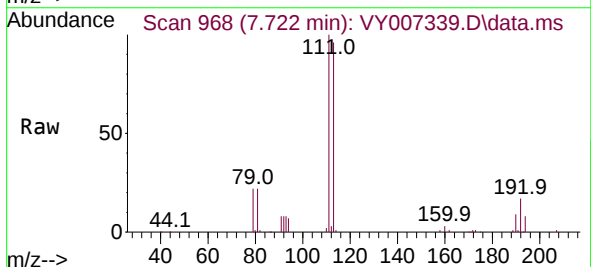
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0131SBL01

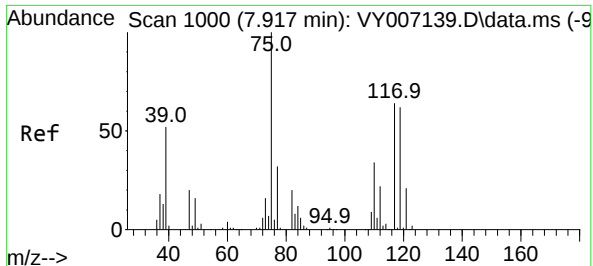
Tgt Ion:114 Resp: 215348  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 39.2  
88 16.0 0.0 31.0



#35  
Dibromofluoromethane  
Concen: 48.884 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

Tgt Ion:113 Resp: 71183  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.4  
192 17.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY007339.D

Acq: 31 Jan 2022 15:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0131SBL01

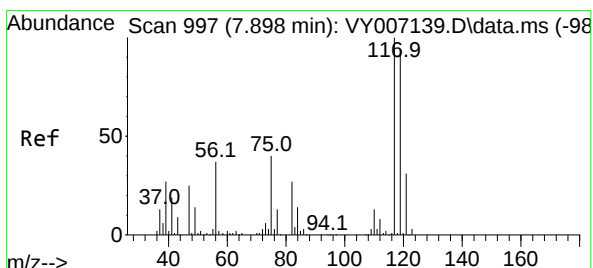
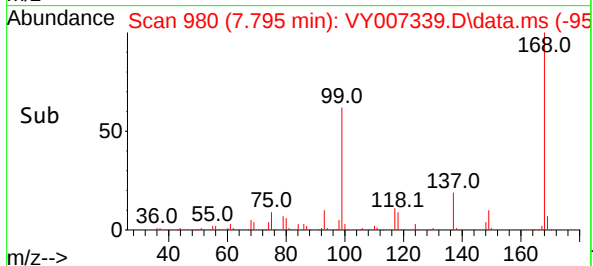
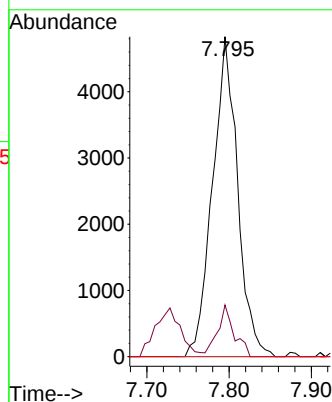
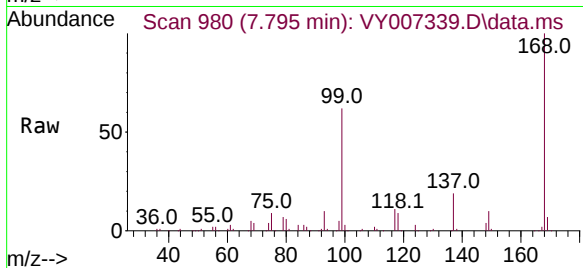
Tgt Ion: 75 Resp: 10213

Ion Ratio Lower Upper

75 100

110 10.6 17.3 51.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.043 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY007339.D

Acq: 31 Jan 2022 15:38

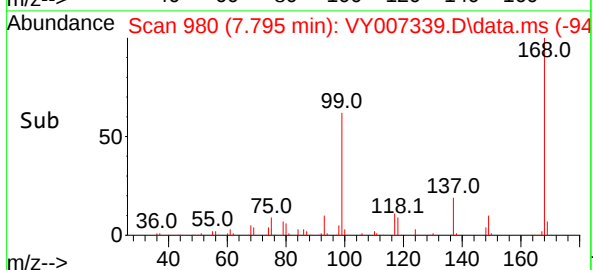
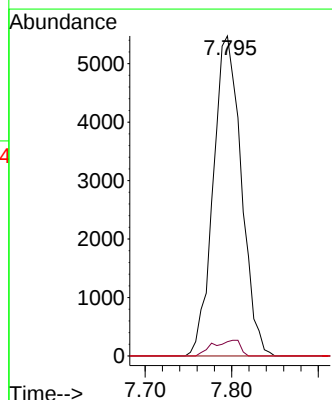
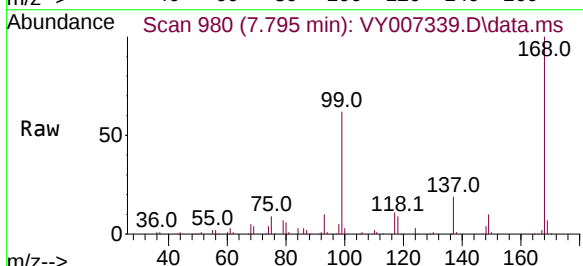
Tgt Ion: 117 Resp: 12336

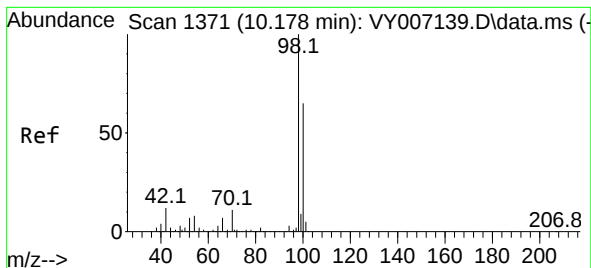
Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

121 0.0 24.2 36.2#

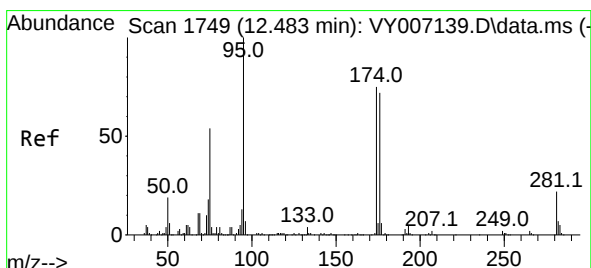
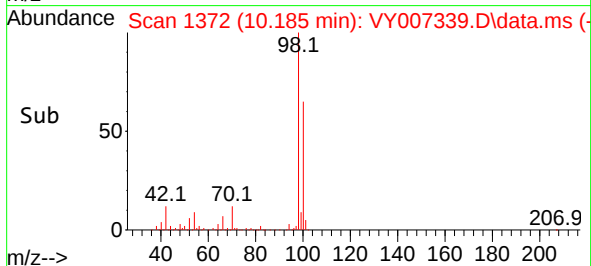
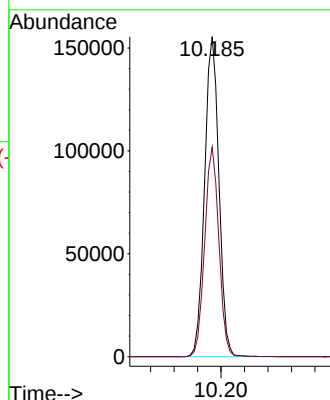
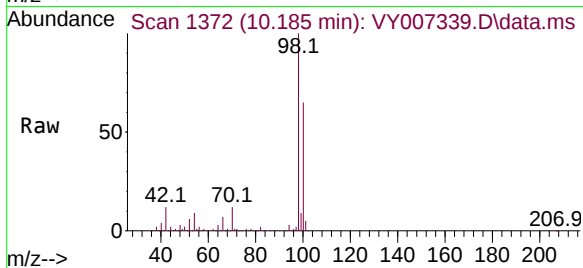




#50  
Toluene-d8  
Concen: 49.444 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

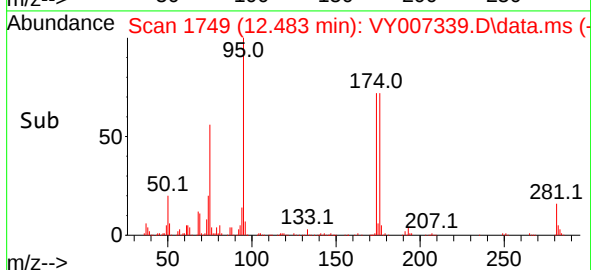
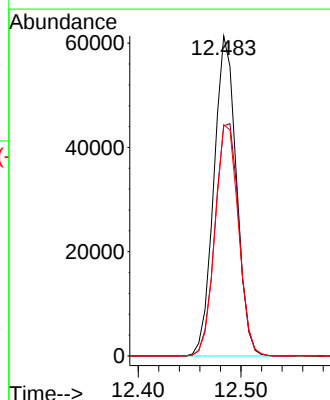
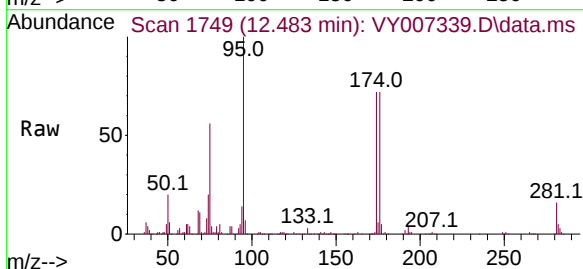
Instrument :  
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VY0131SBL01

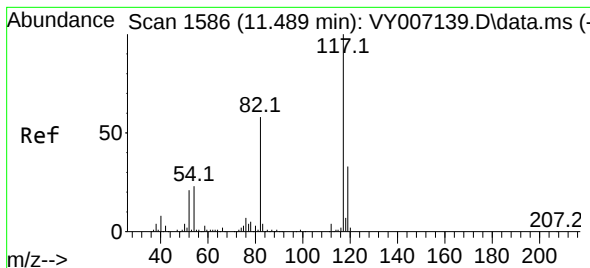
Tgt Ion: 98 Resp: 263079  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 49.350 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

Tgt Ion: 95 Resp: 93403  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 148.4  
176 75.0 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY007339.D

Acq: 31 Jan 2022 15:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0131SBL01

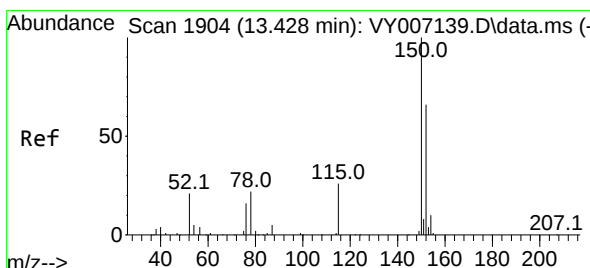
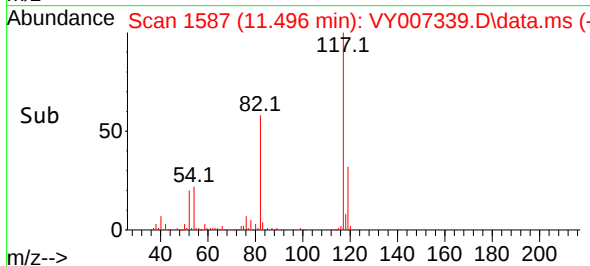
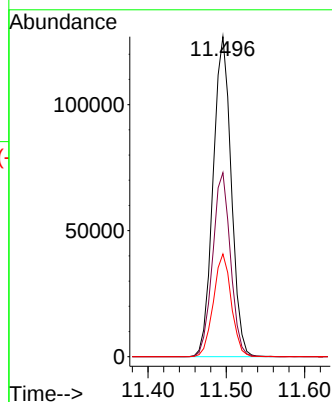
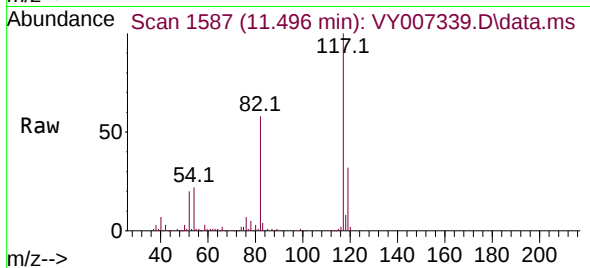
Tgt Ion:117 Resp: 204033

Ion Ratio Lower Upper

117 100

82 57.5 45.4 68.0

119 32.1 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007339.D

Acq: 31 Jan 2022 15:38

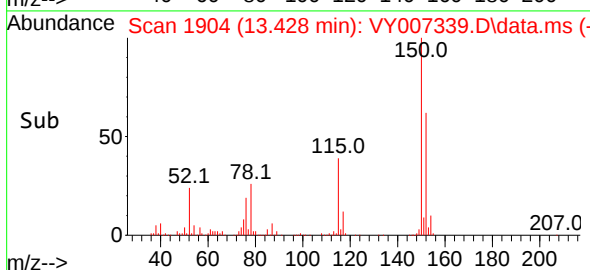
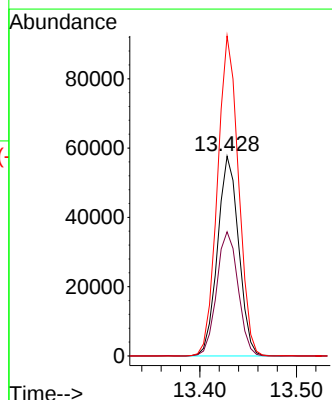
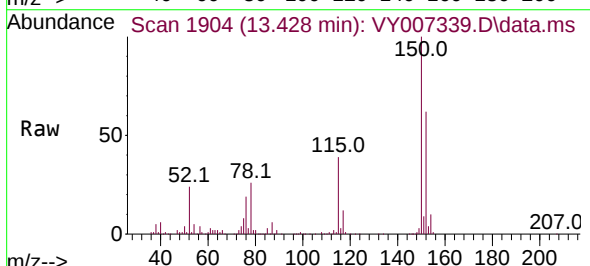
Tgt Ion:152 Resp: 87359

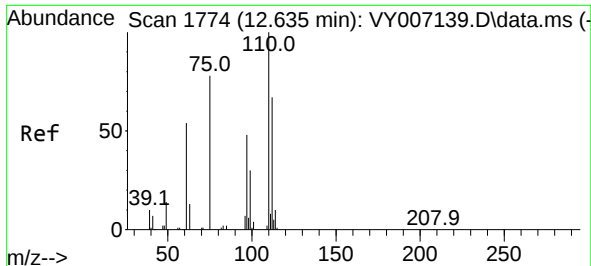
Ion Ratio Lower Upper

152 100

115 62.9 31.4 94.0

150 159.0 0.0 348.4

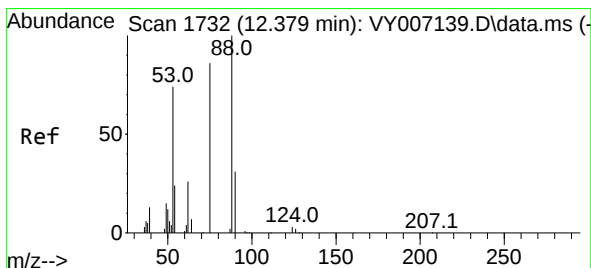
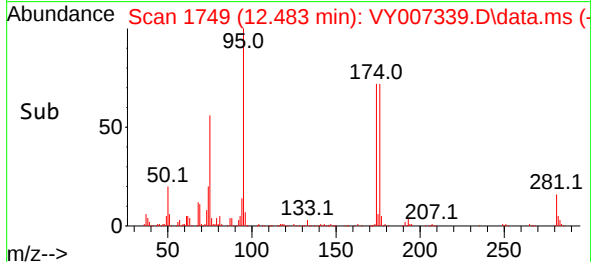
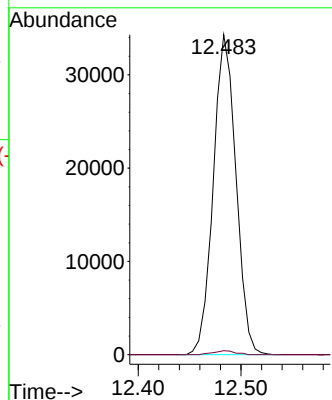
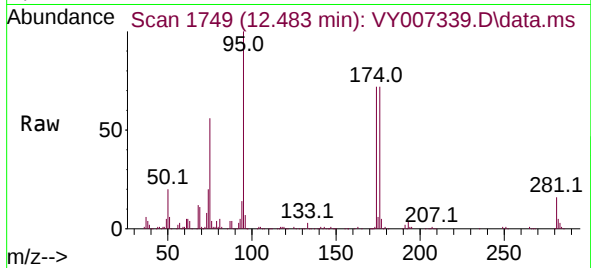




#76  
1,2,3-Trichloropropane  
Concen: 52.764 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0131SBL01

Tgt Ion: 75 Resp: 52559  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.596 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY007339.D  
Acq: 31 Jan 2022 15:38

Tgt Ion: 75 Resp: 52559  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.9 110.9#  
89 0.7 0.0 0.0#

