

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042924\  
 Data File : VY018074.D  
 Acq On : 29 Apr 2024 17:31  
 Operator : SY/MD  
 Sample : P2283-03  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 30 01:02:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:24:42 2024  
 Response via : Initial Calibration

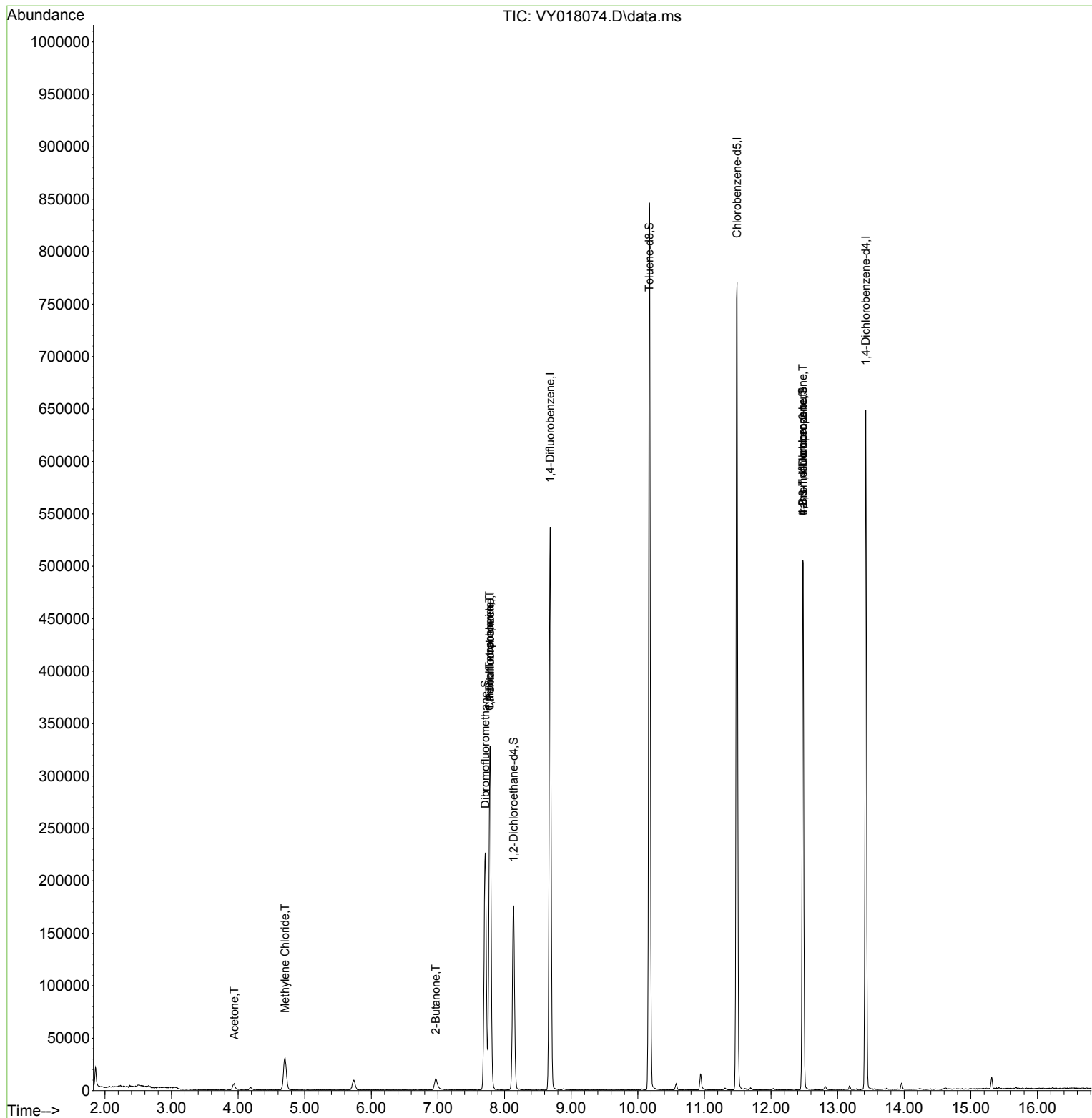
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 279513   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 506670   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 467263   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 181009   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65    | 131668   | 54.435    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 108.860% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 168569   | 53.927    | ug/l       | -0.01    |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 107.860% |          |
| 50) Toluene-d8                | 10.173 | 98    | 584983   | 49.320    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 98.640%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 157507   | 42.878    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 85.760%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.918  | 59    | 227      | Below Cal | #          | 88       |
| 16) Acetone                   | 3.942  | 43    | 10000    | 20.923    | ug/l       | 99       |
| 20) Methylene Chloride        | 4.704  | 84    | 26992    | 8.336     | ug/l       | 94       |
| 25) 2-Butanone                | 6.966  | 43    | 1925     | 2.740     | ug/l #     | 79       |
| 36) 1,1-Dichloropropene       | 7.777  | 75    | 17896    | 3.937     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.777  | 117   | 23682    | 5.156     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 74885    | 44.087    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 74885    | 90.900    | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

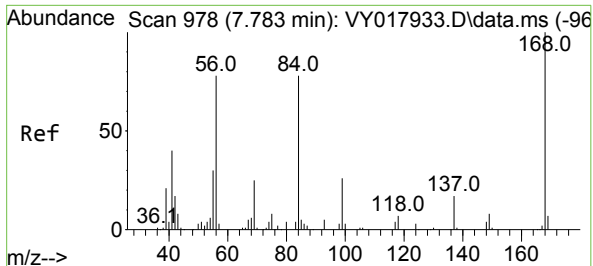
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

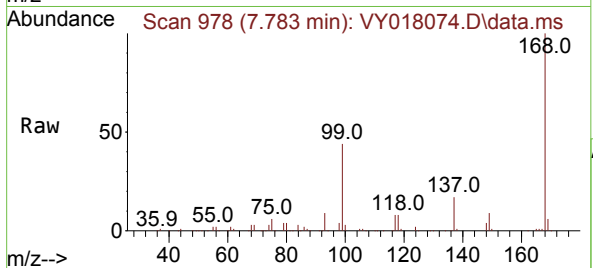
Quant Time: Apr 30 01:02:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 06:24:42 2024  
Response via : Initial Calibration



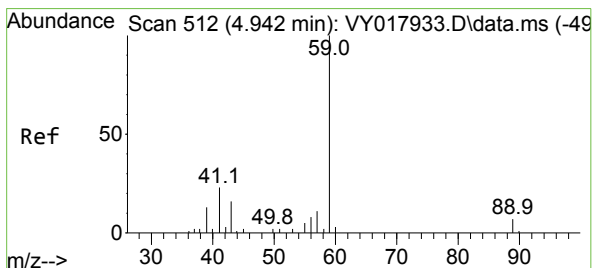
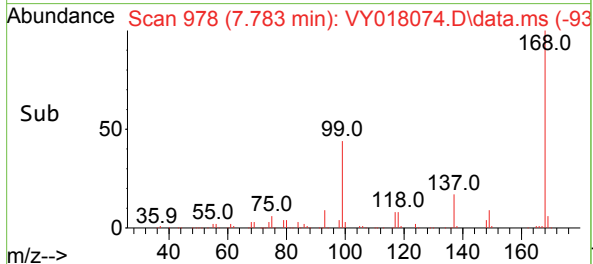
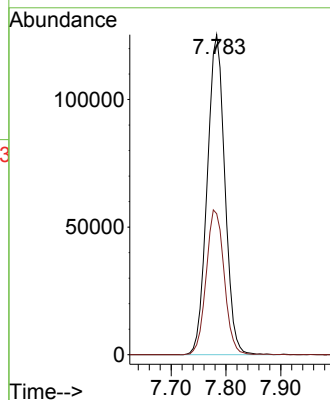


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

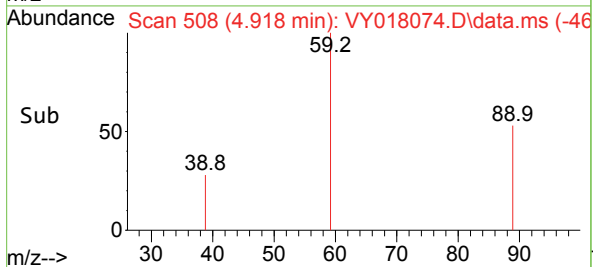
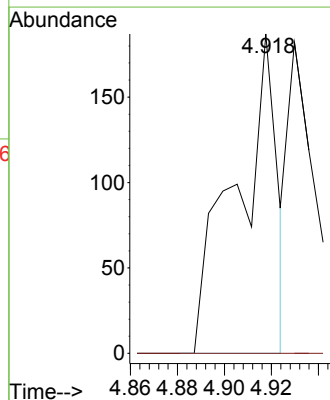
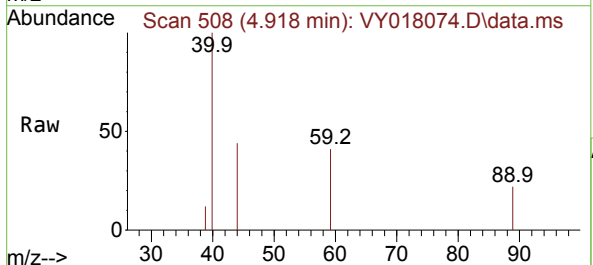


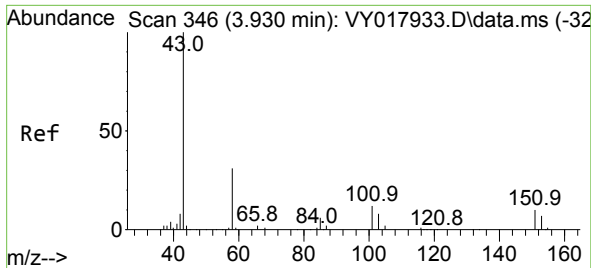
Tgt Ion:168 Resp: 279513  
Ion Ratio Lower Upper  
168 100  
99 44.0 39.1 58.7



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.918 min Scan# 508  
Delta R.T. -0.036 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Tgt Ion: 59 Resp: 227  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

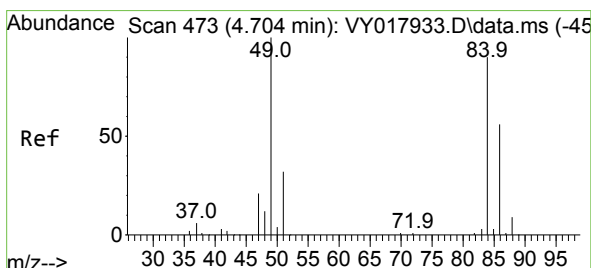
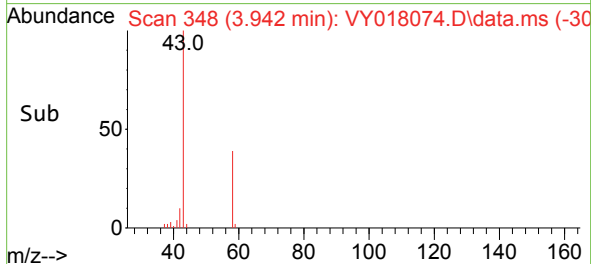
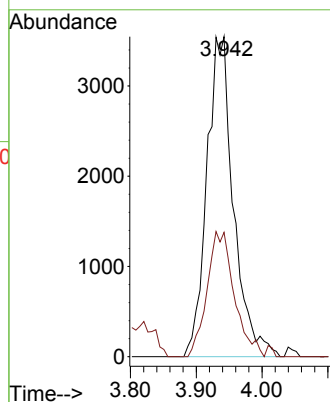
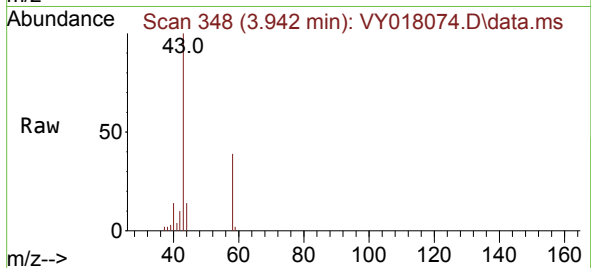




#16  
Acetone  
Concen: 20.923 ug/l  
RT: 3.942 min Scan# 346  
Delta R.T. -0.006 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

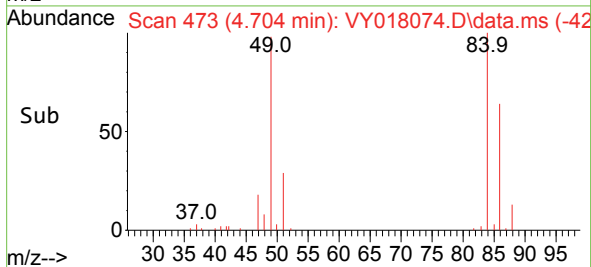
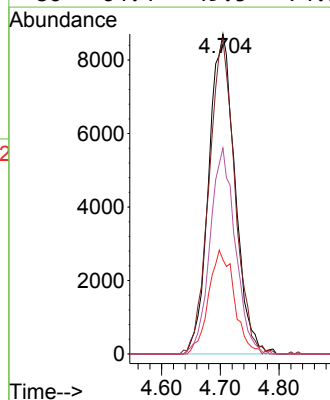
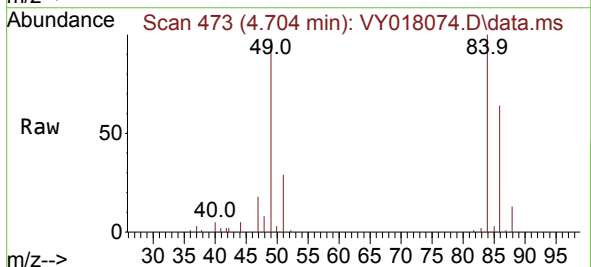
Instrument :  
MSVOA\_Y  
ClientSampleId :

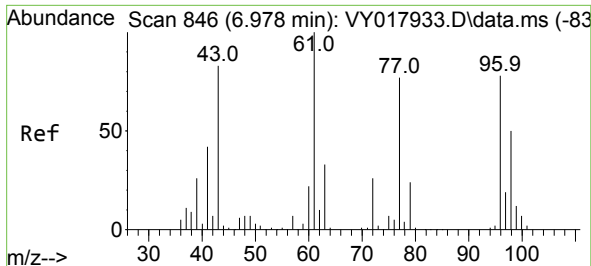
Tgt Ion: 43 Resp: 10000  
Ion Ratio Lower Upper  
43 100  
58 38.8 31.7 47.5



#20  
Methylene Chloride  
Concen: 8.336 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Tgt Ion: 84 Resp: 26992  
Ion Ratio Lower Upper  
84 100  
49 98.4 84.4 126.6  
51 29.4 26.0 39.0  
86 64.4 49.5 74.3





#25

2-Butanone

Concen: 2.740 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY018074.D

Acq: 29 Apr 2024 17:31

Instrument :

MSVOA\_Y

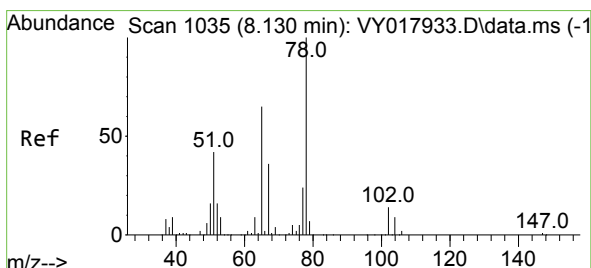
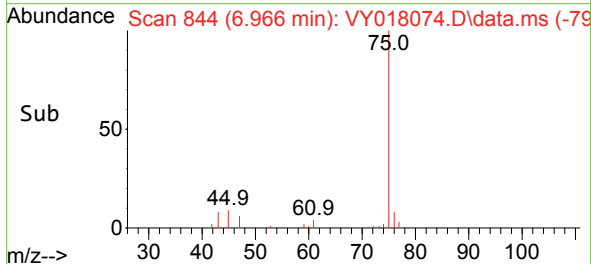
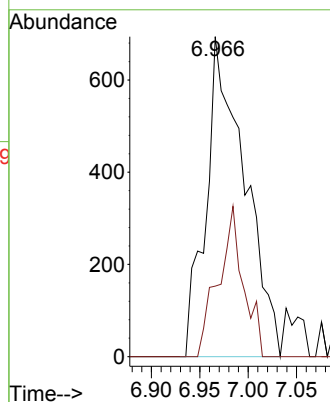
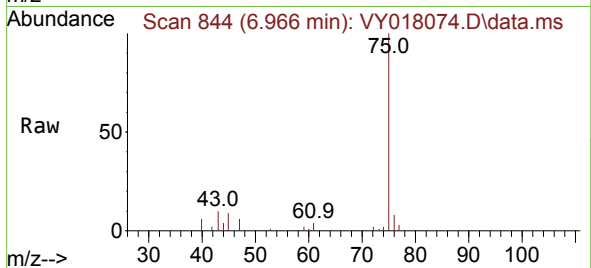
ClientSampleId :

Tgt Ion: 43 Resp: 1925

Ion Ratio Lower Upper

43 100

72 22.0 27.3 40.9#



#33

1,2-Dichloroethane-d4

Concen: 54.435 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY018074.D

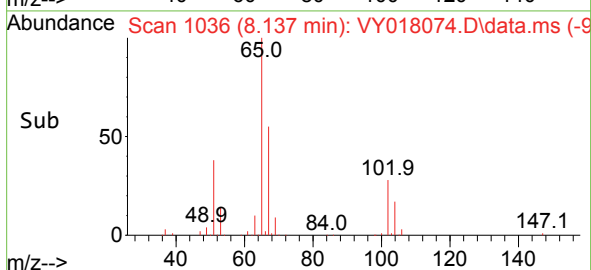
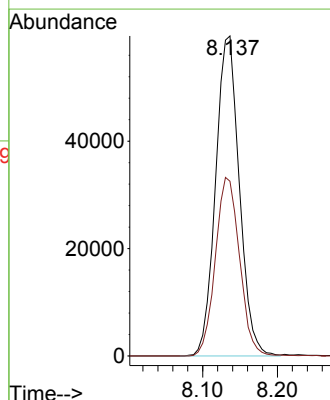
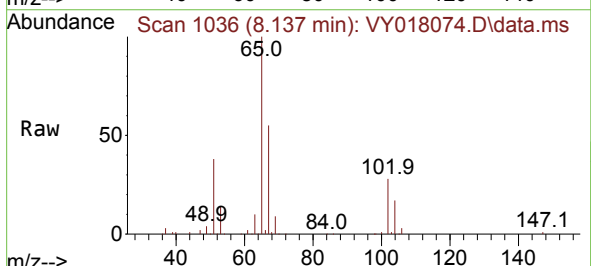
Acq: 29 Apr 2024 17:31

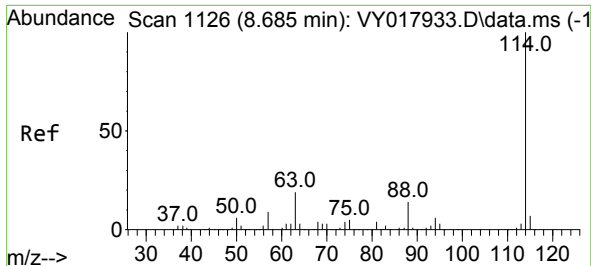
Tgt Ion: 65 Resp: 131668

Ion Ratio Lower Upper

65 100

67 56.9 0.0 109.6

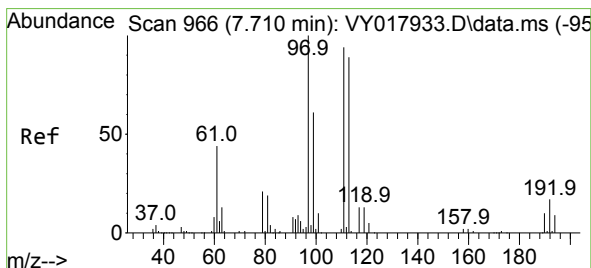
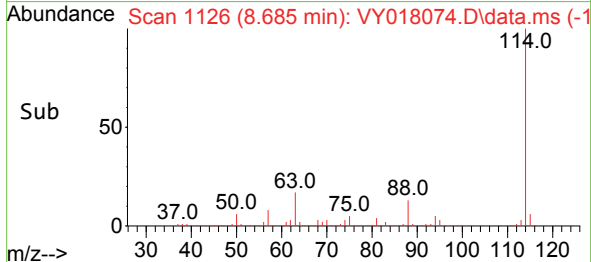
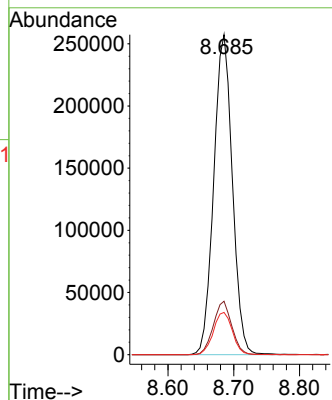
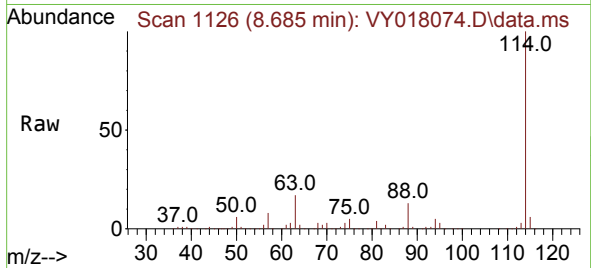




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

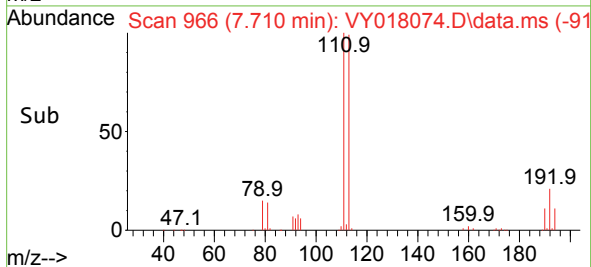
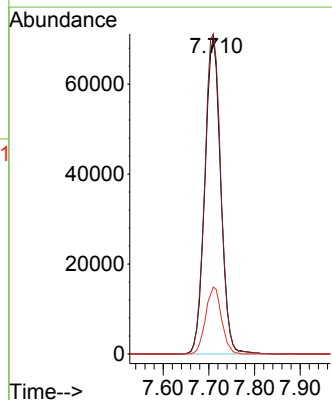
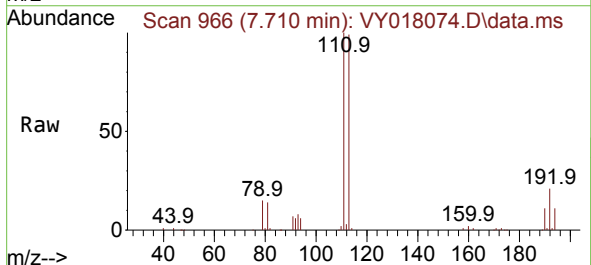
Instrument :  
MSVOA\_Y  
ClientSampleId :

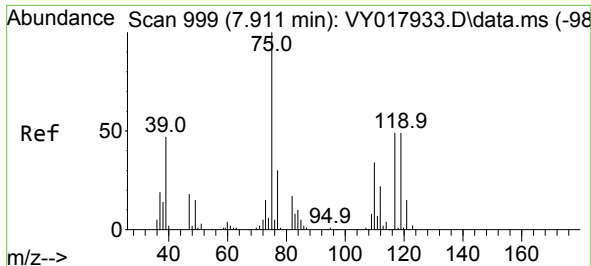
Tgt Ion:114 Resp: 506670  
Ion Ratio Lower Upper  
114 100  
63 16.7 0.0 35.0  
88 13.2 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 53.927 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.012 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

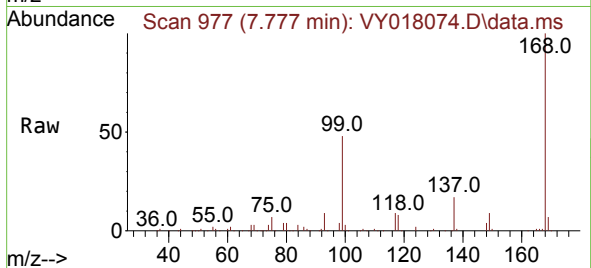
Tgt Ion:113 Resp: 168569  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.4  
192 21.2 15.9 23.9



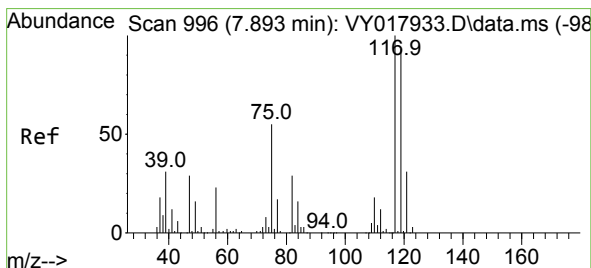
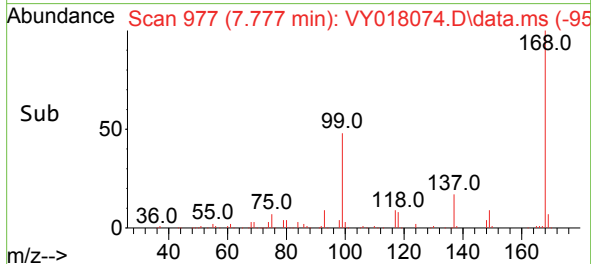
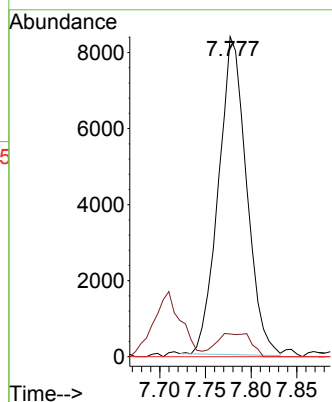


#36  
1,1-Dichloropropene  
Concen: 3.937 ug/l  
RT: 7.777 min Scan# 911  
Delta R.T. -0.140 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

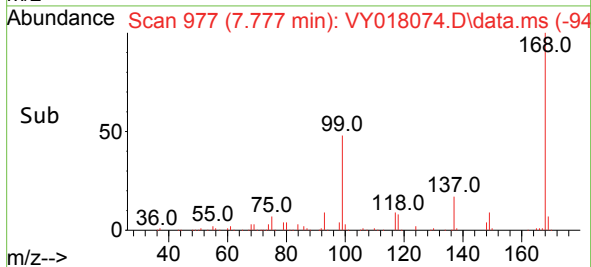
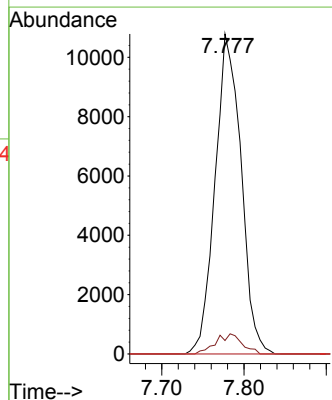
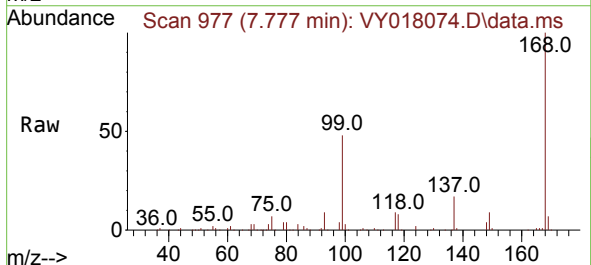


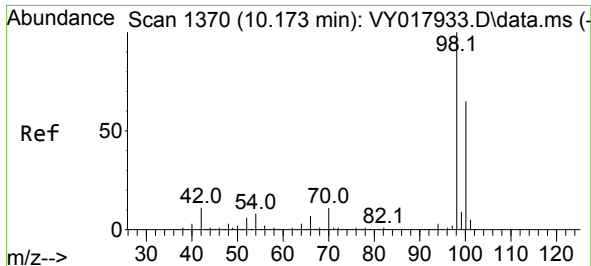
Tgt Ion: 75 Resp: 17896  
Ion Ratio Lower Upper  
75 100  
110 9.0 19.0 57.0#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.156 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.128 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Tgt Ion: 117 Resp: 23682  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.8 113.6#  
121 0.0 24.0 36.0#

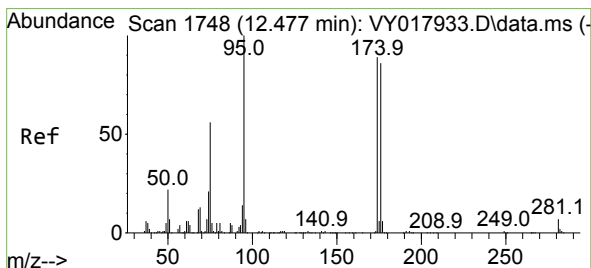
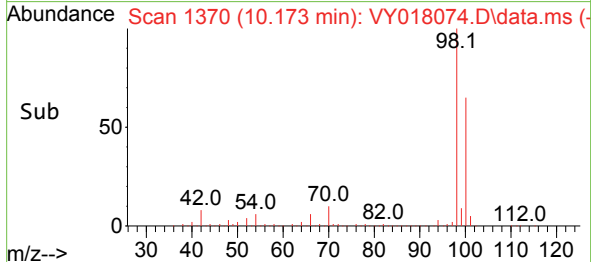
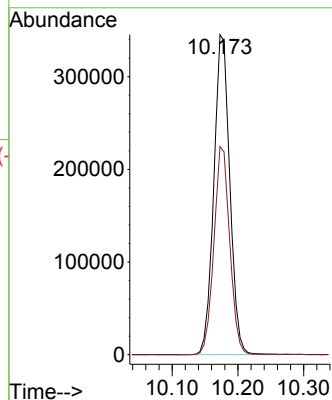
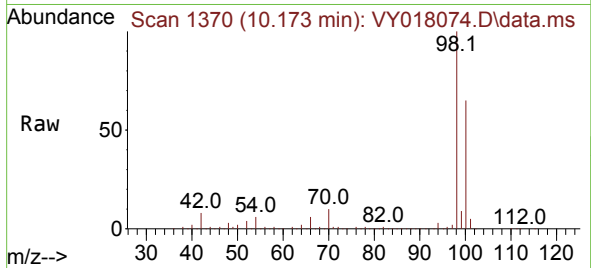




#50  
Toluene-d8  
Concen: 49.320 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

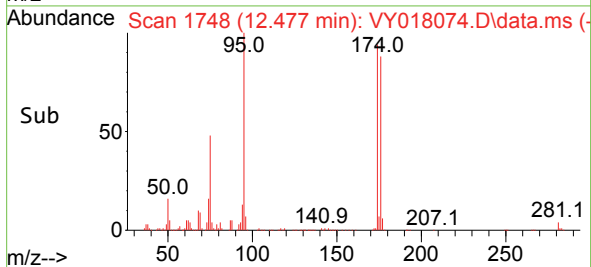
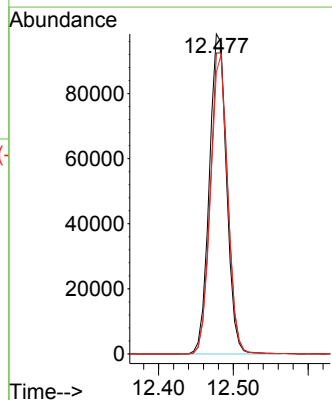
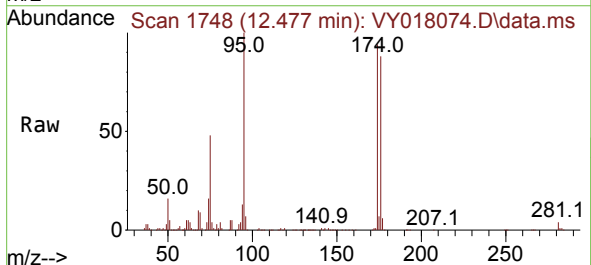
Instrument :  
MSVOA\_Y  
ClientSampleId :

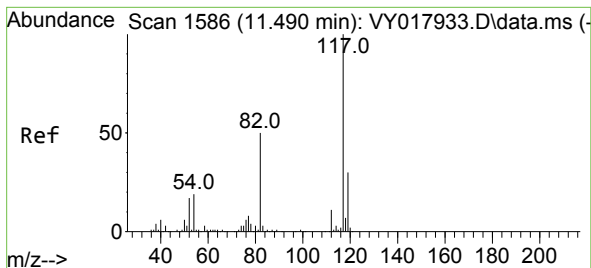
Tgt Ion: 98 Resp: 584983  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 42.878 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Tgt Ion: 95 Resp: 157507  
Ion Ratio Lower Upper  
95 100  
174 95.6 0.0 175.6  
176 92.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018074.D

Acq: 29 Apr 2024 17:31

Instrument :

MSVOA\_Y

ClientSampleId :

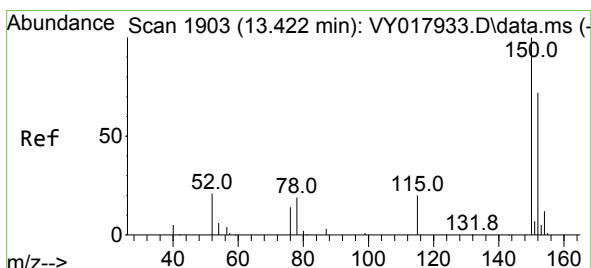
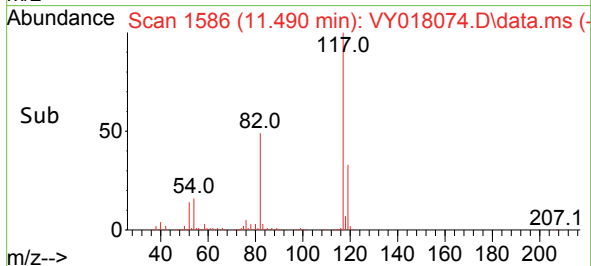
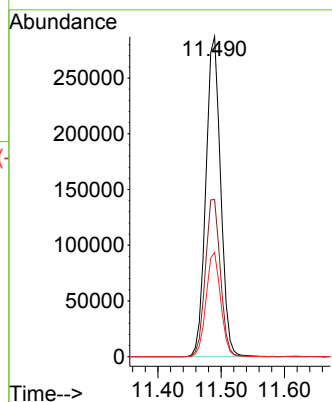
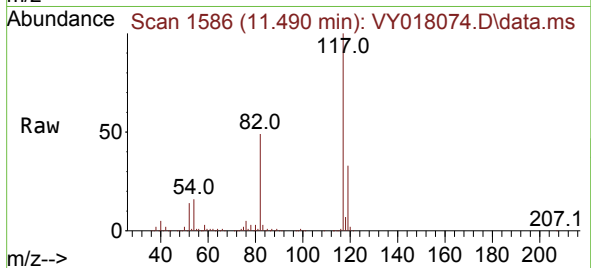
Tgt Ion:117 Resp: 467263

Ion Ratio Lower Upper

117 100

82 49.1 42.4 63.6

119 32.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY018074.D

Acq: 29 Apr 2024 17:31

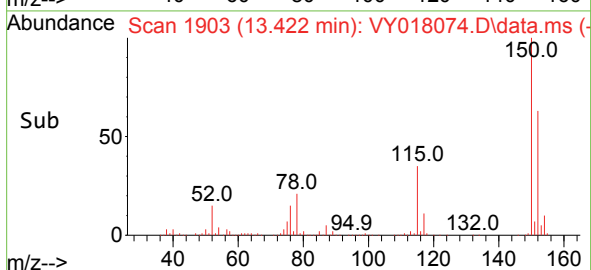
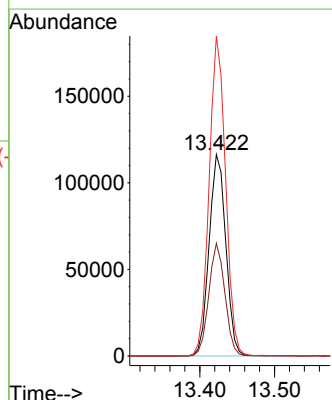
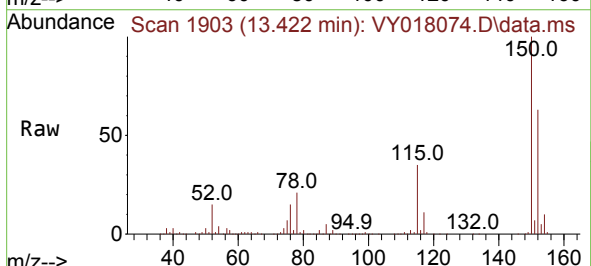
Tgt Ion:152 Resp: 181009

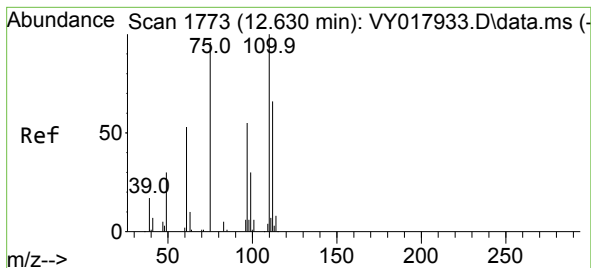
Ion Ratio Lower Upper

152 100

115 53.7 28.2 84.7

150 155.3 0.0 345.6

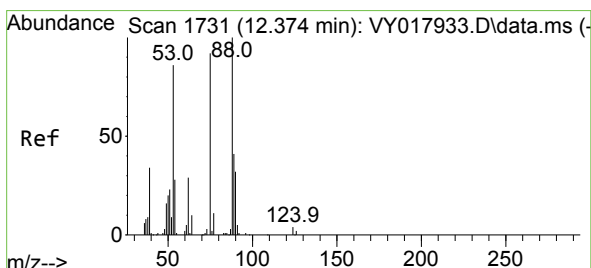
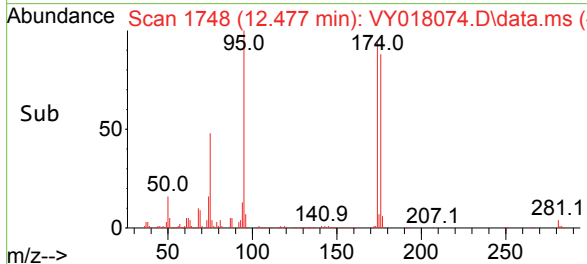
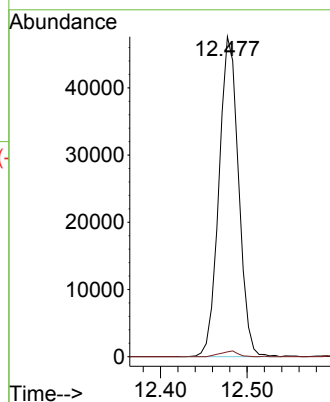
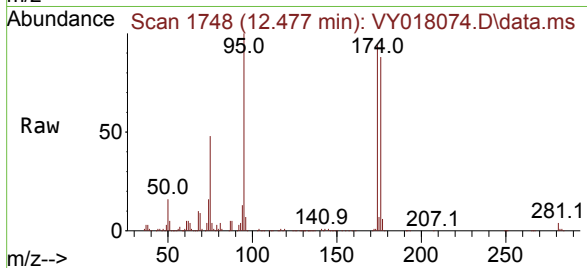




#76  
1,2,3-Trichloropropane  
Concen: 44.087 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.158 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 74885  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.900 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY018074.D  
Acq: 29 Apr 2024 17:31

Tgt Ion: 75 Resp: 74885  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.8 100.2#  
89 0.0 35.8 53.6#

