

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041824\  
 Data File : VY017973.D  
 Acq On : 18 Apr 2024 14:03  
 Operator : SY/MD  
 Sample : P2147-08  
 Misc : 6.91g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GRAB-4

Quant Time: Apr 19 02:01:04 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

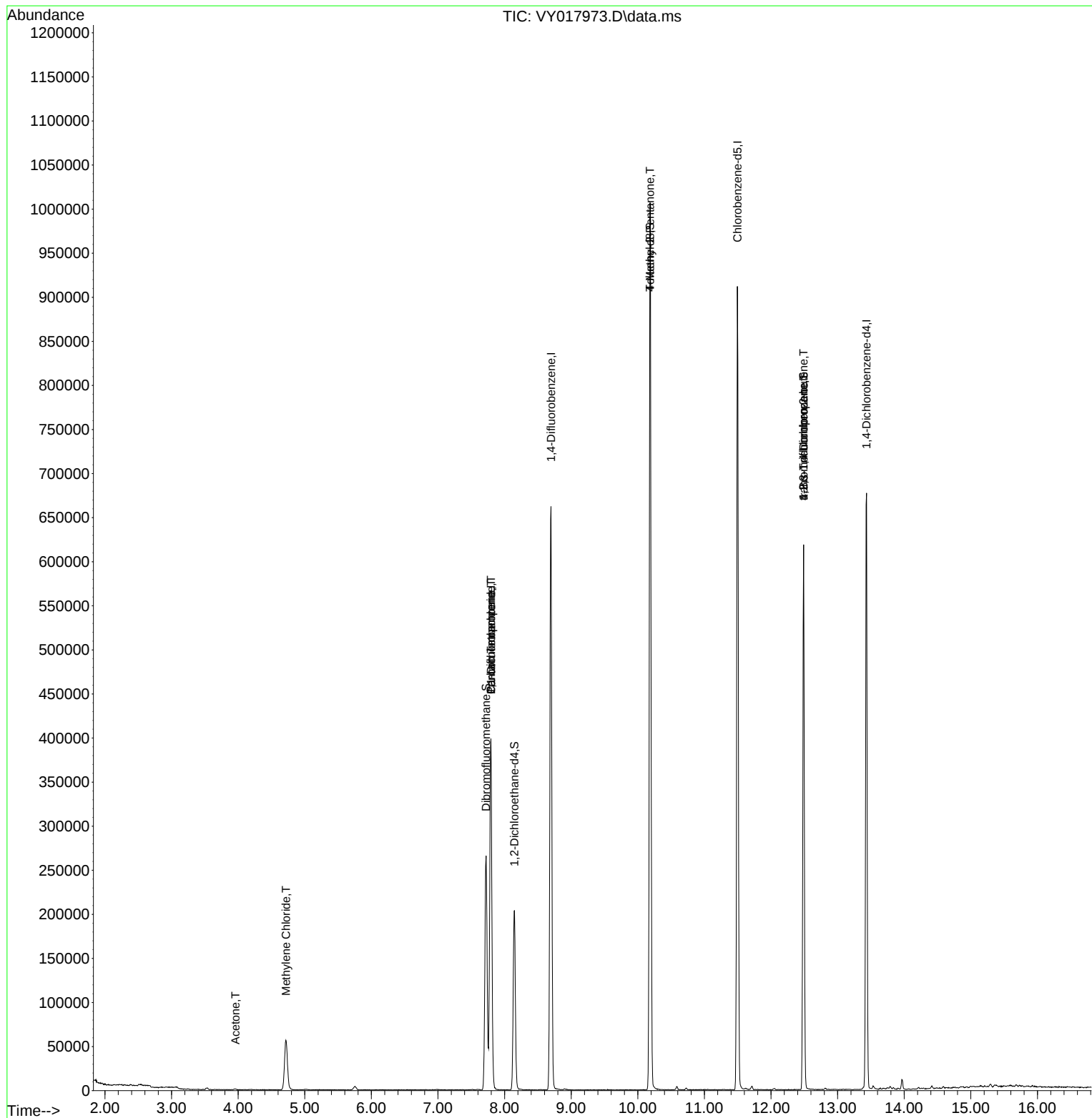
| Compound                      | R.T.   | QIon  | Response | Conc      | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-----------|----------|
| -----                         |        |       |          |           |           |          |
| Internal Standards            |        |       |          |           |           |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 340894   | 50.00     | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 608400   | 50.00     | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 541327   | 50.00     | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 192197   | 50.00     | ug/l      | 0.00     |
| System Monitoring Compounds   |        |       |          |           |           |          |
| 33) 1,2-Dichloroethane-d4     | 8.148  | 65    | 155883   | 52.84     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 105.68% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 191527   | 51.03     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 102.06% |          |
| 50) Toluene-d8                | 10.185 | 98    | 698196   | 49.02     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 98.04%  |          |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 184820   | 41.90     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 83.80%  |          |
| Target Compounds              |        |       |          |           |           |          |
|                               |        |       |          |           | Qvalue    |          |
| 11) Tert butyl alcohol        | 4.966  | 59    | 82       | Below Cal | #         | 88       |
| 16) Acetone                   | 3.960  | 43    | 1504     | 2.58      | ug/l #    | 86       |
| 20) Methylene Chloride        | 4.716  | 84    | 47041    | 11.91     | ug/l #    | 97       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 22905    | 4.20      | ug/l #    | 47       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 30248    | 5.48      | ug/l #    | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.185 | 43    | 2452     | 1.10      | ug/l #    | 1        |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 88979    | 49.34     | ug/l #    | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 88979    | 101.72    | ug/l #    | 16       |
| -----                         |        |       |          |           |           |          |

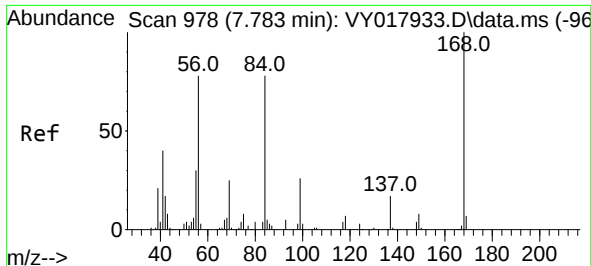
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041824\  
Data File : VY017973.D  
Acq On : 18 Apr 2024 14:03  
Operator : SY/MD  
Sample : P2147-08  
Misc : 6.91g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-4

Quant Time: Apr 19 02:01:04 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

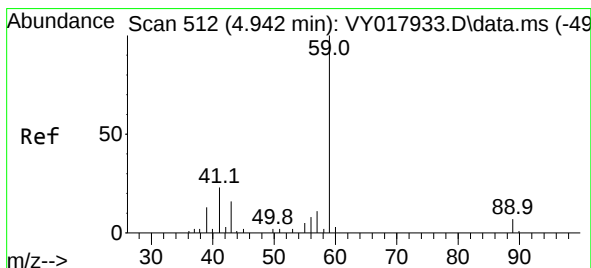
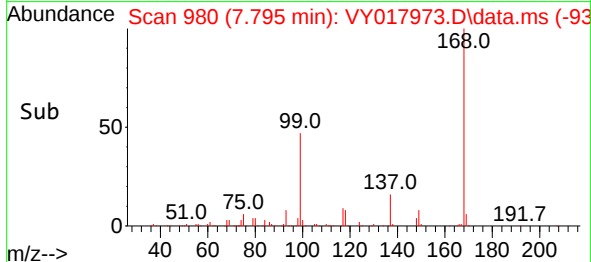
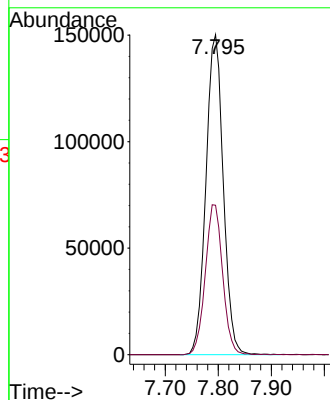
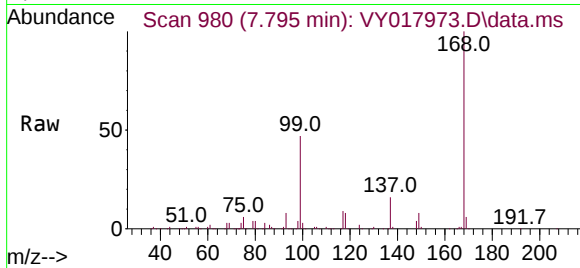




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

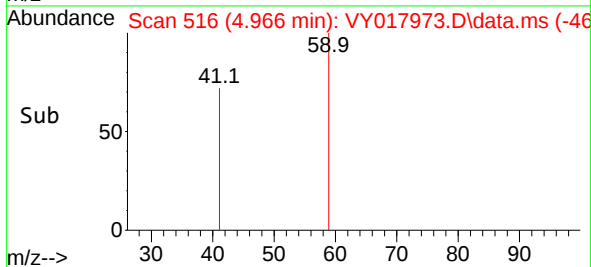
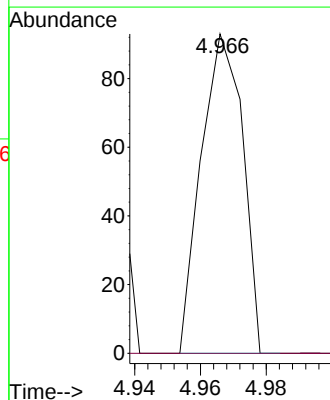
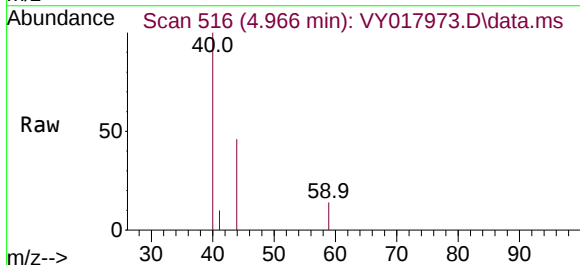
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-4

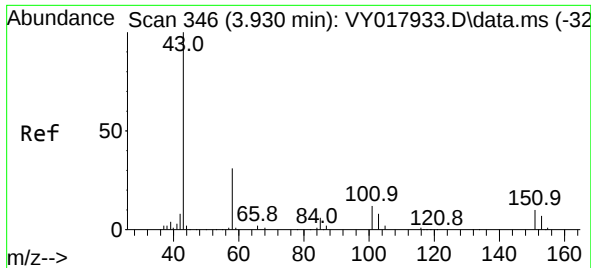
Tgt Ion:168 Resp: 340894  
Ion Ratio Lower Upper  
168 100  
99 46.7 39.1 58.7



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.966 min Scan# 516  
Delta R.T. 0.012 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

Tgt Ion: 59 Resp: 82  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.58 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

Instrument :

MSVOA\_Y

ClientSampleId :

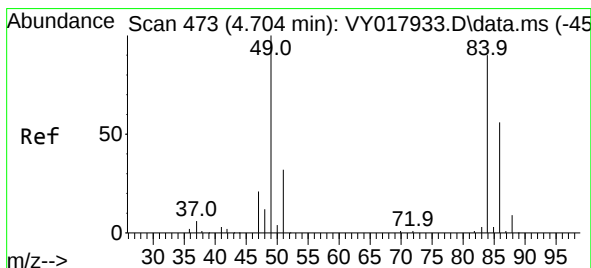
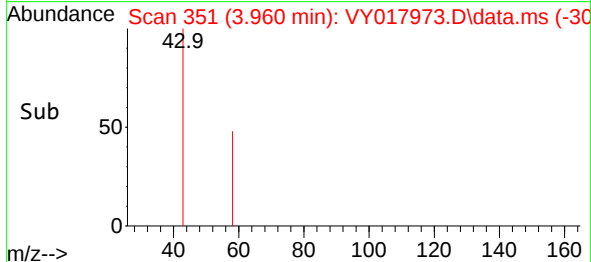
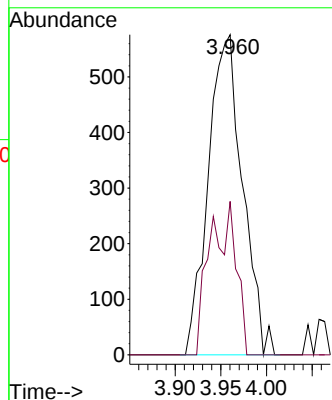
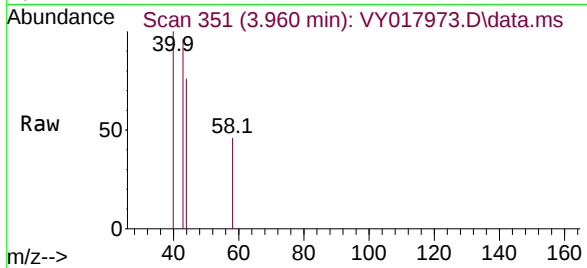
GRAB-4

Tgt Ion: 43 Resp: 1504

Ion Ratio Lower Upper

43 100

58 47.9 31.7 47.5#



#20

Methylene Chloride

Concen: 11.91 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

Tgt Ion: 84 Resp: 47041

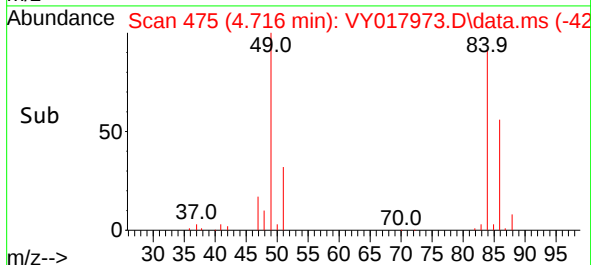
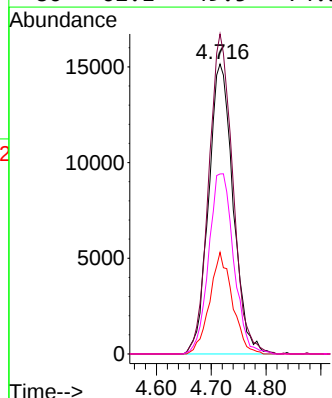
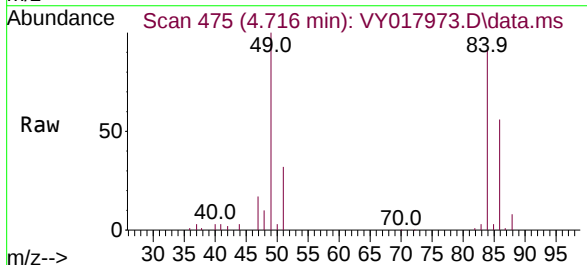
Ion Ratio Lower Upper

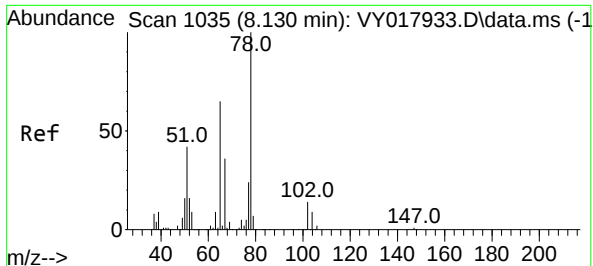
84 100

49 110.4 84.4 126.6

51 35.1 26.0 39.0

86 62.1 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 52.84 ug/l

RT: 8.148 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

Instrument :

MSVOA\_Y

ClientSampleId :

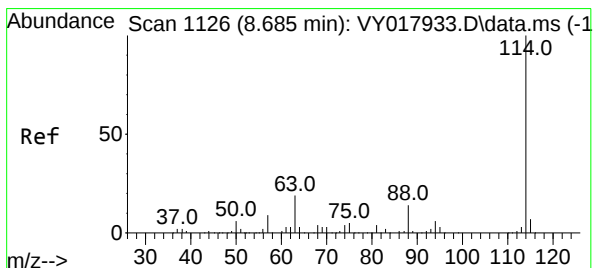
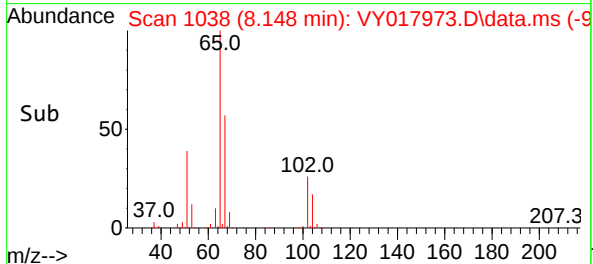
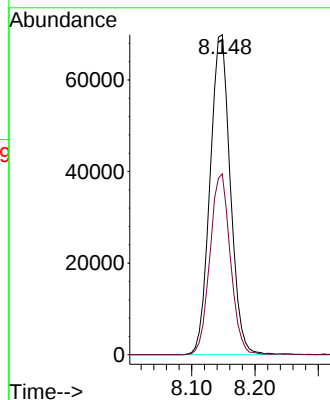
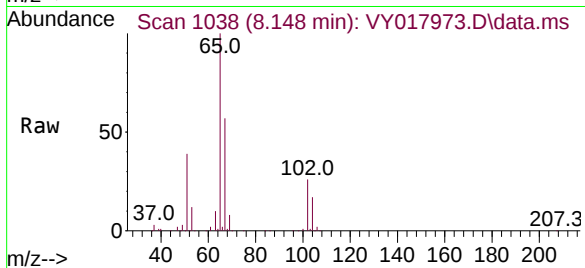
GRAB-4

Tgt Ion: 65 Resp: 155883

Ion Ratio Lower Upper

65 100

67 56.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

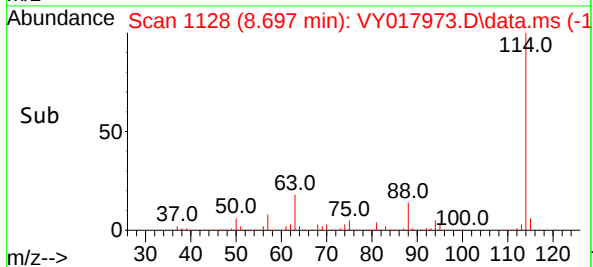
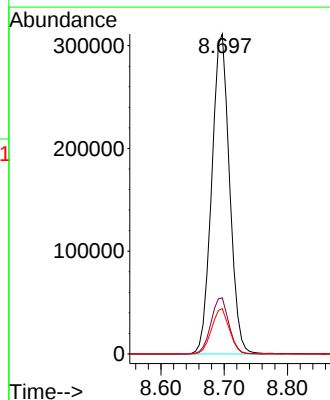
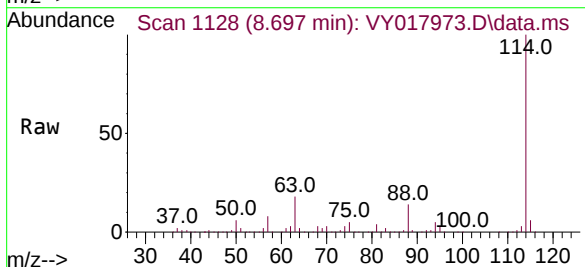
Tgt Ion: 114 Resp: 608400

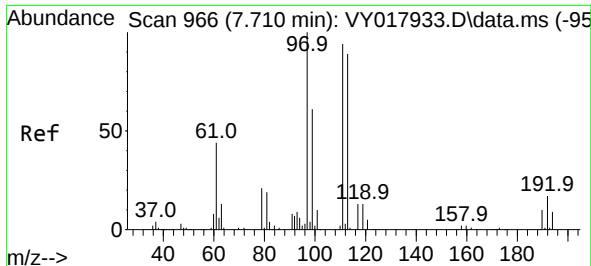
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.2 0.0 27.2

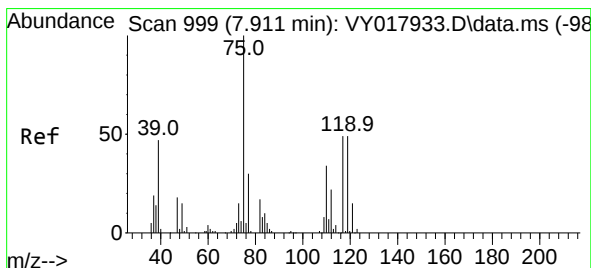
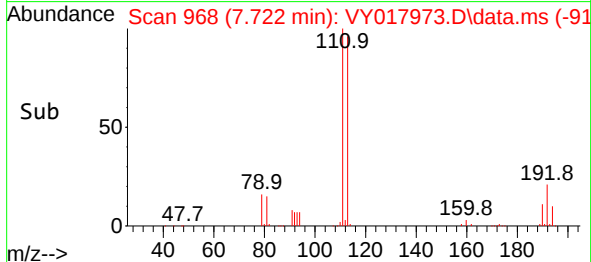
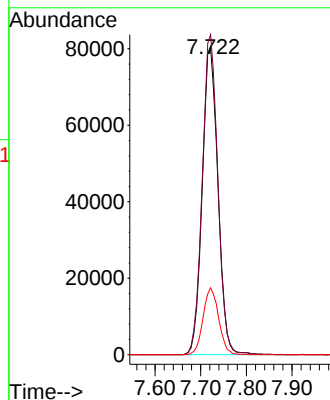
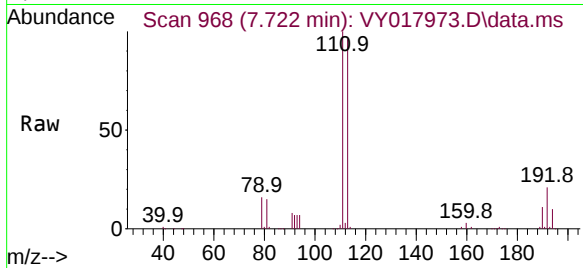




#35  
Dibromofluoromethane  
Concen: 51.03 ug/l  
RT: 7.722 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

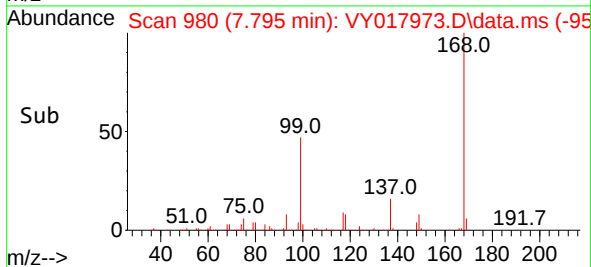
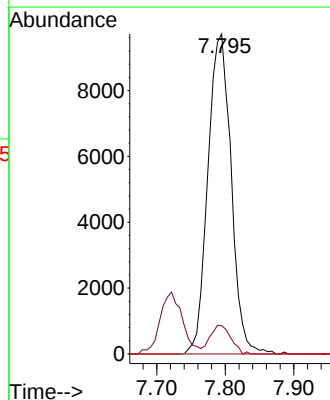
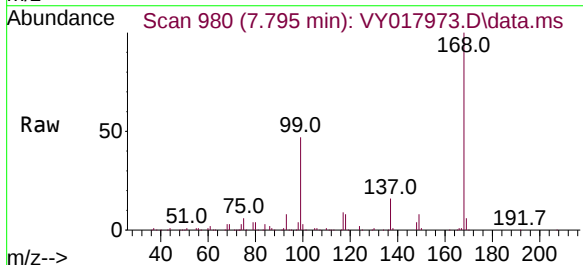
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-4

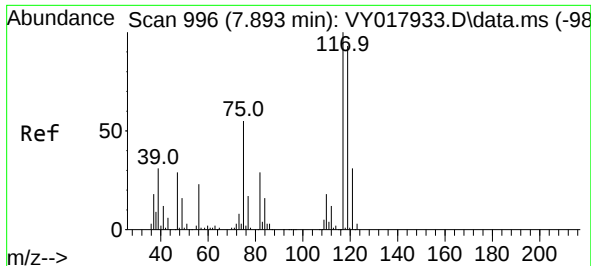
Tgt Ion:113 Resp: 191527  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.2 123.4  
192 21.5 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 4.20 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.122 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

Tgt Ion: 75 Resp: 22905  
Ion Ratio Lower Upper  
75 100  
110 8.0 19.0 57.0#  
77 0.0 25.3 37.9#

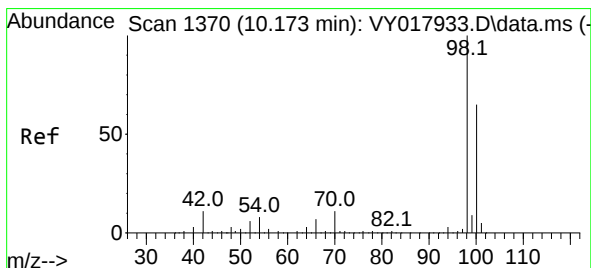
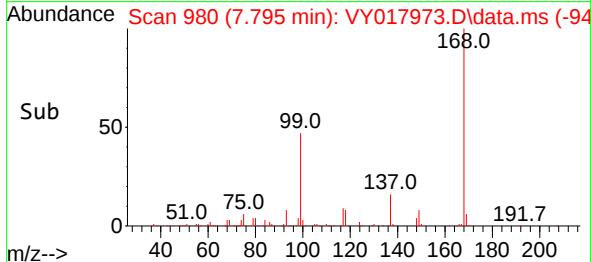
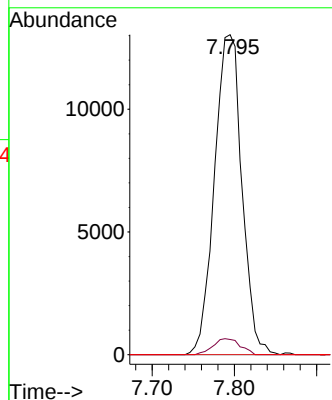
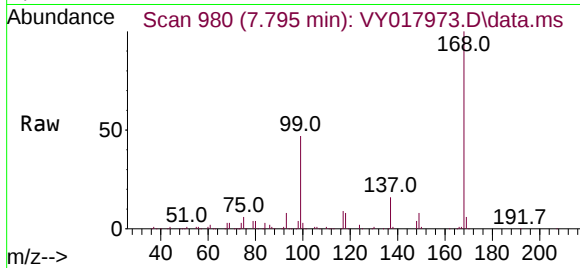




#38  
Carbon Tetrachloride  
Concen: 5.48 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

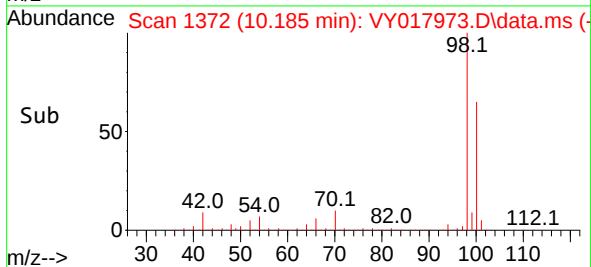
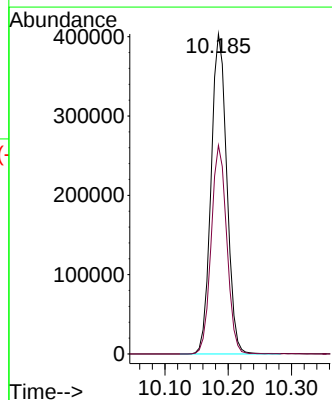
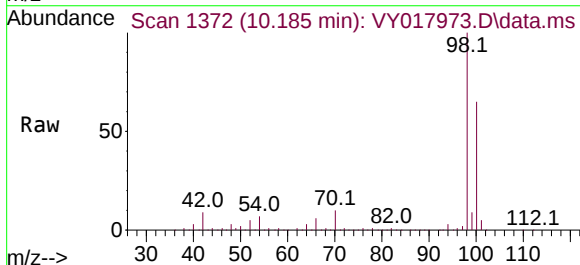
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-4

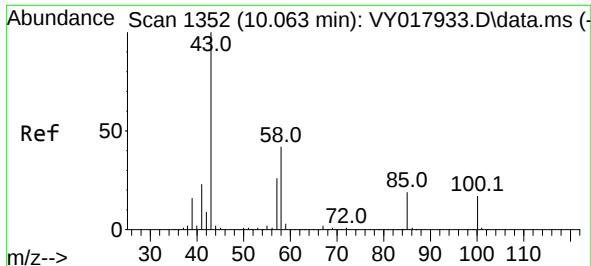
Tgt Ion:117 Resp: 30248  
Ion Ratio Lower Upper  
117 100  
119 4.8 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 49.02 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

Tgt Ion: 98 Resp: 698196  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.10 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.116 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

Instrument :

MSVOA\_Y

ClientSampleId :

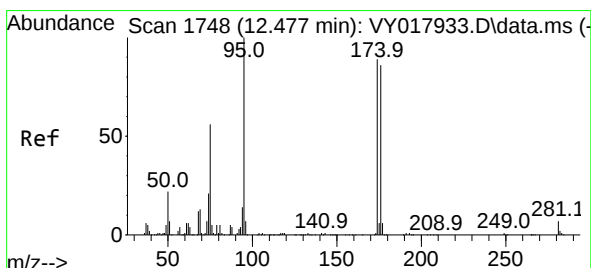
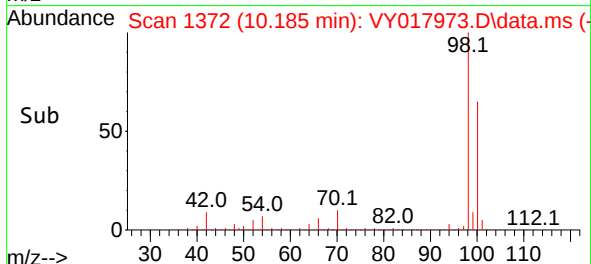
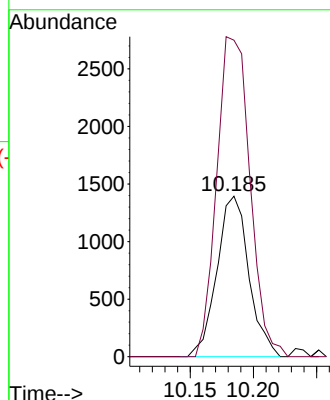
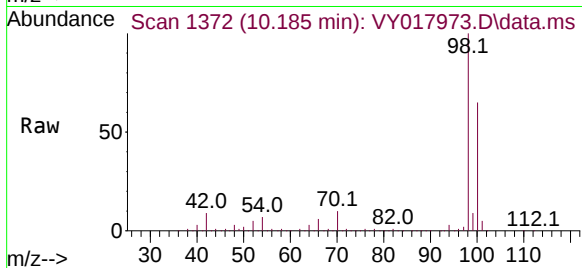
GRAB-4

Tgt Ion: 43 Resp: 2452

Ion Ratio Lower Upper

43 100

58 207.1 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 41.90 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017973.D

Acq: 18 Apr 2024 14:03

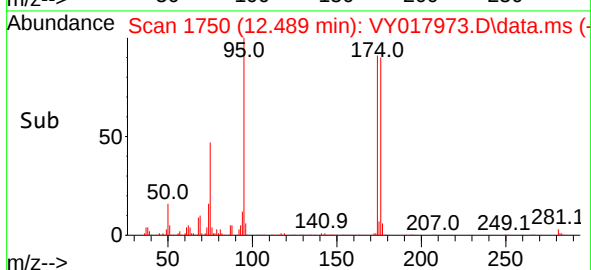
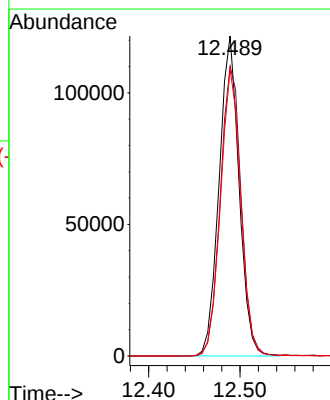
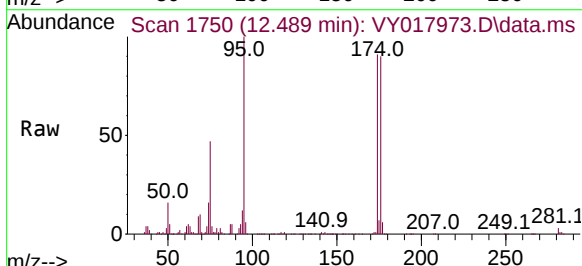
Tgt Ion: 95 Resp: 184820

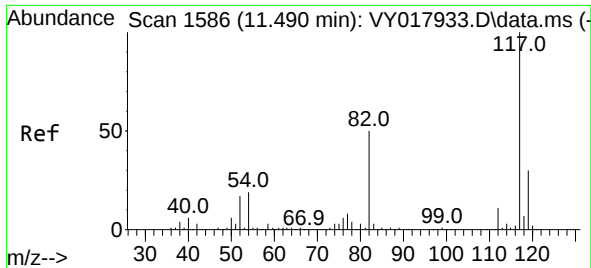
Ion Ratio Lower Upper

95 100

174 94.7 0.0 175.6

176 90.9 0.0 171.4

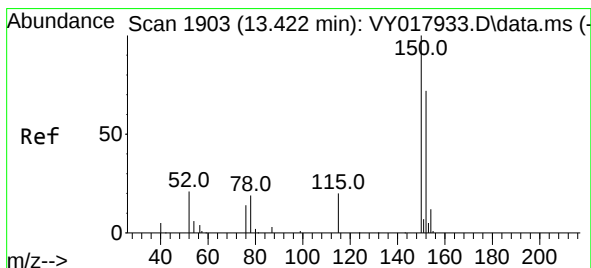
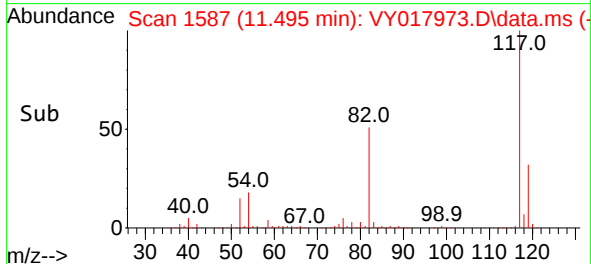
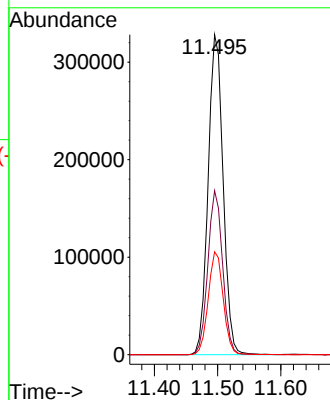
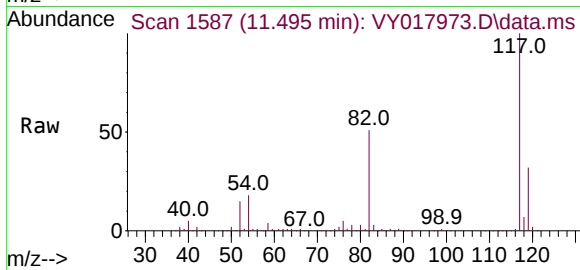




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

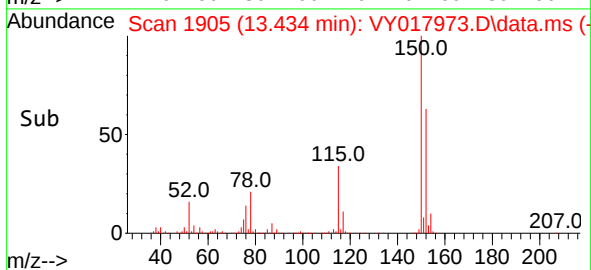
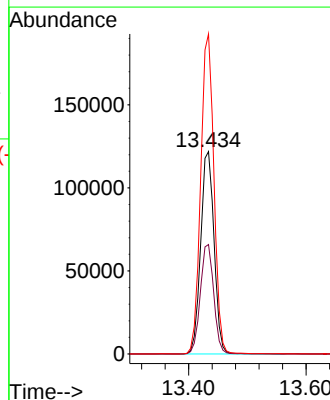
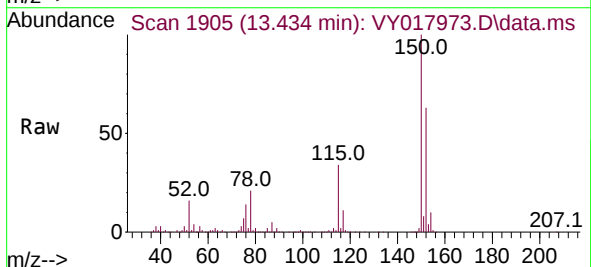
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-4

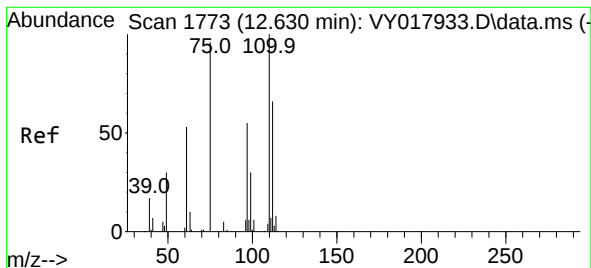
Tgt Ion:117 Resp: 541327  
Ion Ratio Lower Upper  
117 100  
82 51.2 42.4 63.6  
119 32.2 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.006 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

Tgt Ion:152 Resp: 192197  
Ion Ratio Lower Upper  
152 100  
115 54.1 28.2 84.7  
150 156.1 0.0 345.6

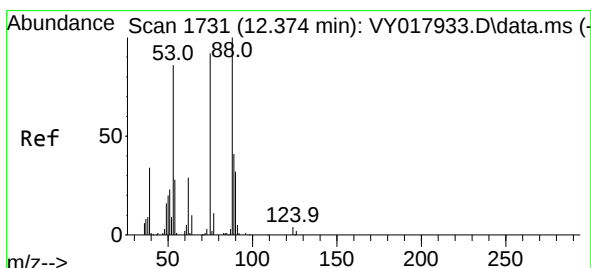
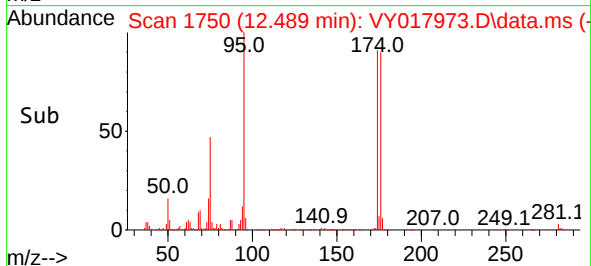
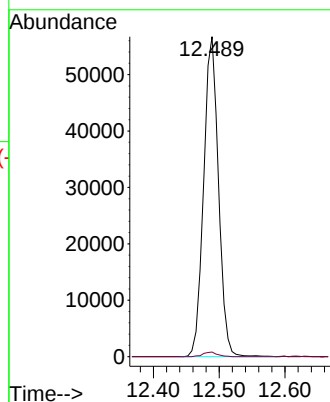
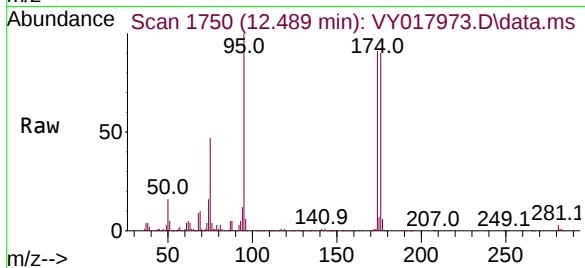




#76  
1,2,3-Trichloropropane  
Concen: 49.34 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.147 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-4

Tgt Ion: 75 Resp: 88979  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.72 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.110 min  
Lab File: VY017973.D  
Acq: 18 Apr 2024 14:03

Tgt Ion: 75 Resp: 88979  
Ion Ratio Lower Upper  
75 100  
53 0.2 66.8 100.2#  
89 0.0 35.8 53.6#

