

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032124\  
 Data File : VD078728.D  
 Acq On : 21 Mar 2024 17:08  
 Operator : RP/MD  
 Sample : P1815-01  
 Misc : 5.01G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Mar 22 06:56:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

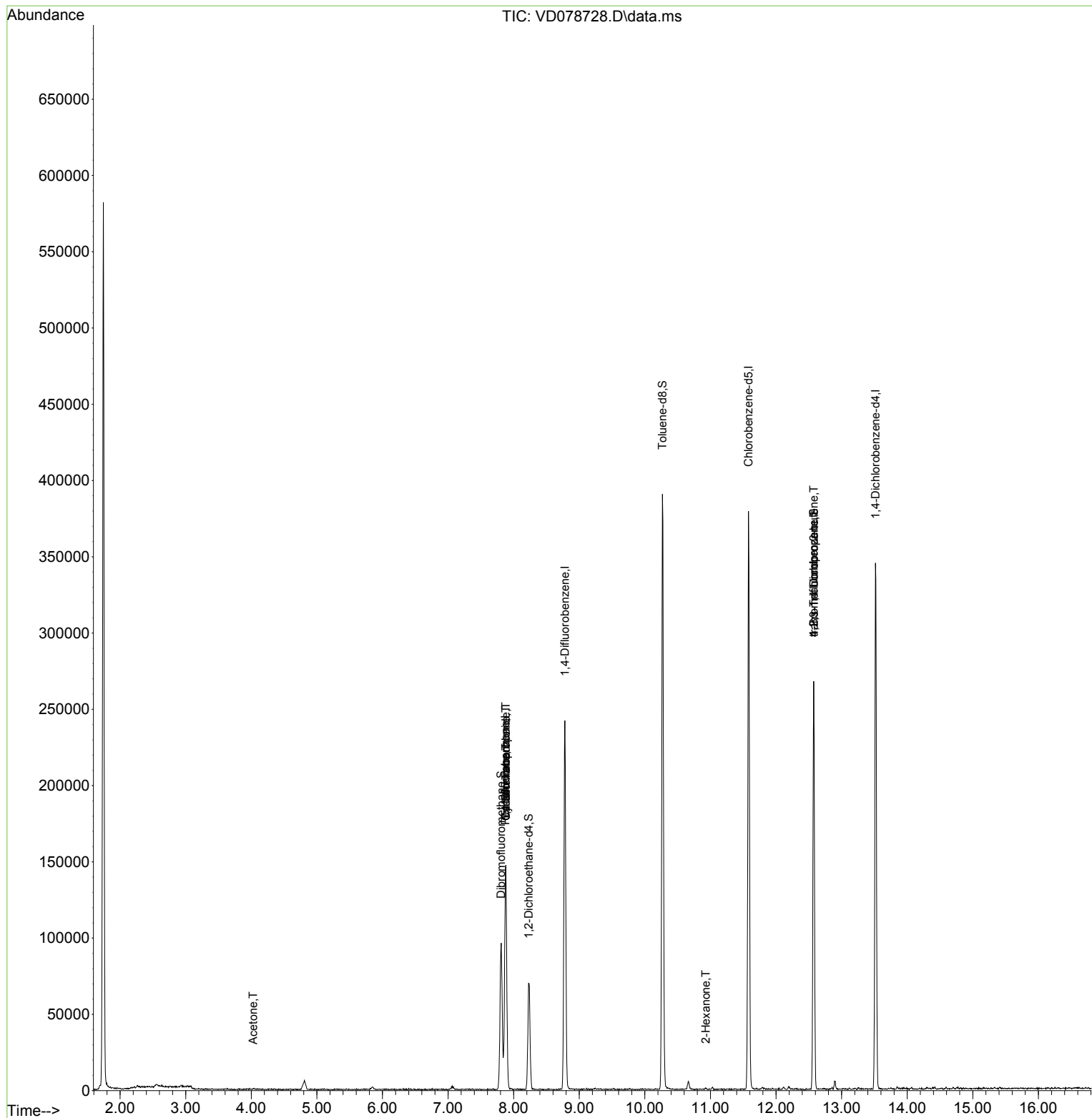
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875     | 168   | 115586   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781     | 114   | 220942   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 224985   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 95818    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.228     | 65    | 56141    | 51.827    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 103.660% |          |
| 35) Dibromofluoromethane      | 7.810     | 113   | 70077    | 49.262    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 98.520%  |          |
| 50) Toluene-d8                | 10.269    | 98    | 274486   | 52.466    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 104.940% |          |
| 62) 4-Bromofluorobenzene      | 12.575    | 95    | 79348    | 51.843    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 103.680% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 16) Acetone                   | 4.028     | 43    | 808      | 3.857     | ug/l #     | 39       |
| 20) Methylene Chloride        | 4.810     | 84    | 4332     | Below Cal | #          | 83       |
| 31) Cyclohexane               | 7.881     | 56    | 2488     | 1.367     | ug/l #     | 5        |
| 36) 1,1-Dichloropropene       | 7.881     | 75    | 9083     | 4.401     | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 7.881     | 117   | 10902    | 5.010     | ug/l #     | 16       |
| 59) 2-Hexanone                | 10.928    | 43    | 626      | 1.317     | ug/l       | 92       |
| 76) 1,2,3-Trichloropropane    | 12.575    | 75    | 41405    | 56.088    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575    | 75    | 41405    | 117.569   | ug/l #     | 19       |
| -----                         |           |       |          |           |            |          |

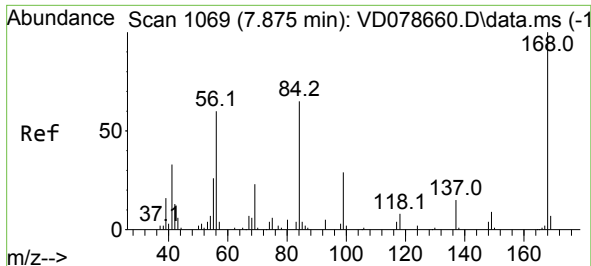
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032124\  
Data File : VD078728.D  
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Operator : RP/MD  
Sample : P1815-01  
Misc : 5.01G/5ml/MSVOA\_D/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

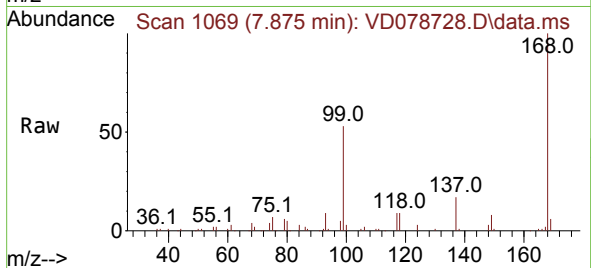
Quant Time: Mar 22 06:56:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 15 05:38:03 2024  
Response via : Initial Calibration



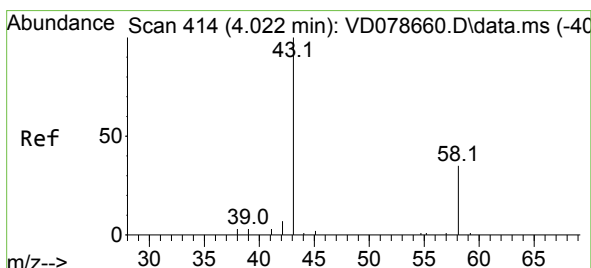
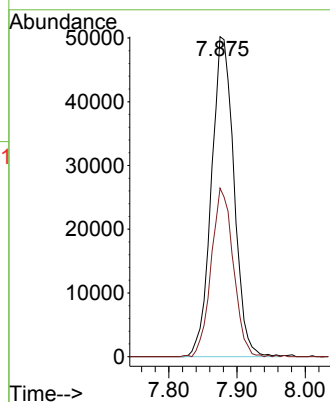
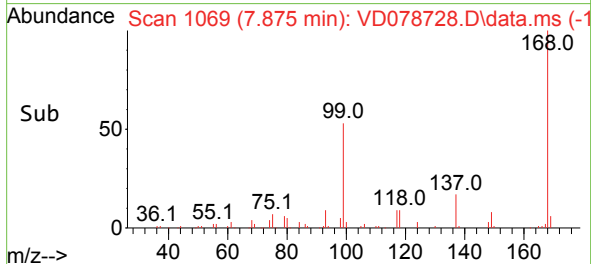


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :

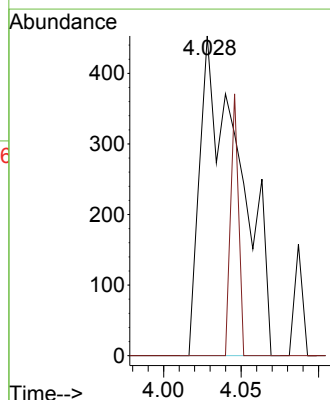
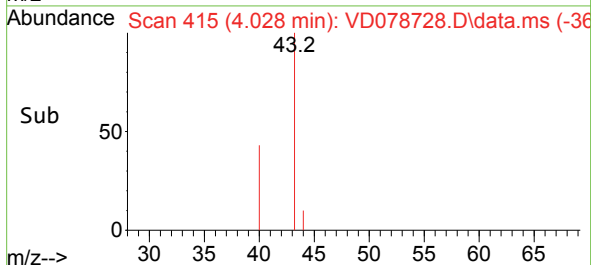
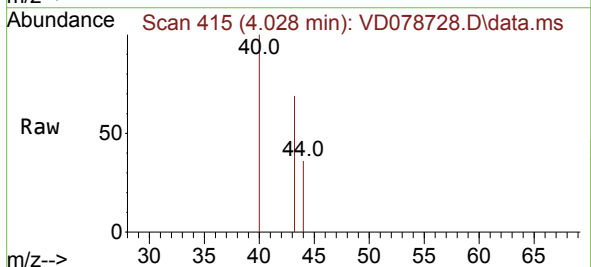


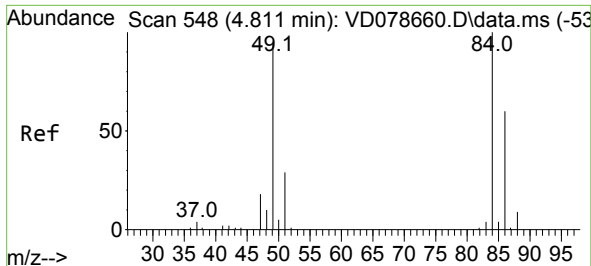
Tgt Ion:168 Resp: 115586  
Ion Ratio Lower Upper  
168 100  
99 52.7 38.8 58.2



#16  
Acetone  
Concen: 3.857 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

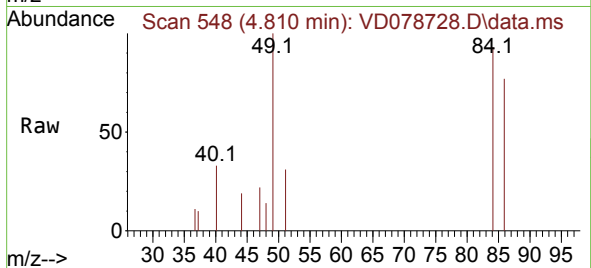
Tgt Ion: 43 Resp: 808  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.2 42.4#



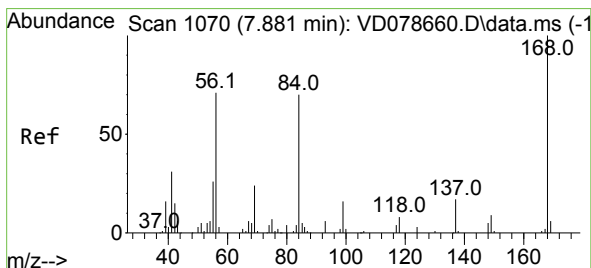
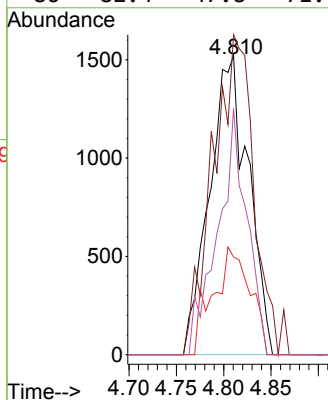
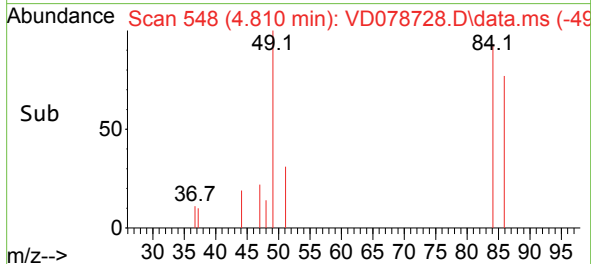


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.810 min Scan# 54  
Delta R.T. -0.001 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

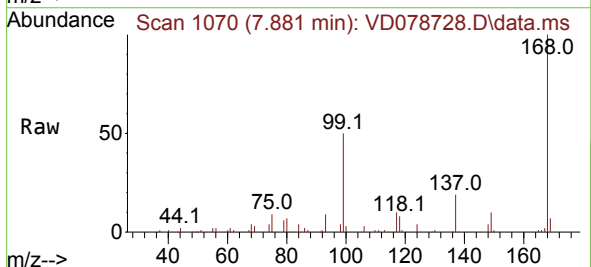
Instrument :  
MSVOA\_D  
ClientSampleId :



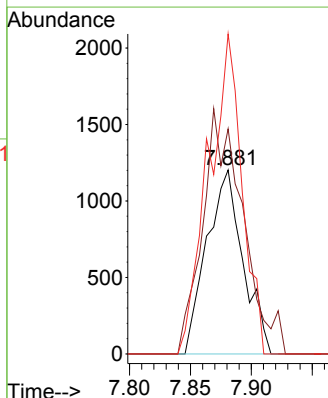
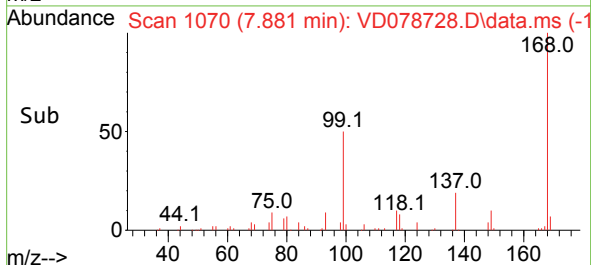
Tgt Ion: 84 Resp: 4332  
Ion Ratio Lower Upper  
84 100  
49 107.0 75.6 113.4  
51 32.7 23.4 35.0  
86 82.4 47.8 71.6#

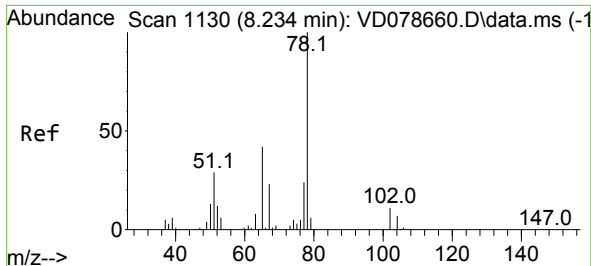


#31  
Cyclohexane  
Concen: 1.367 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08



Tgt Ion: 56 Resp: 2488  
Ion Ratio Lower Upper  
56 100  
69 122.4 26.6 40.0#  
84 173.9 79.4 119.2#





#33

1,2-Dichloroethane-d4

Concen: 51.827 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078728.D

Acq: 21 Mar 2024 17:08

Instrument :

MSVOA\_D

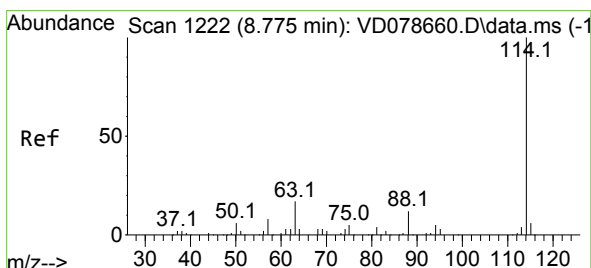
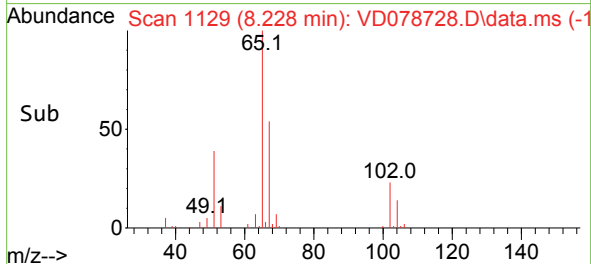
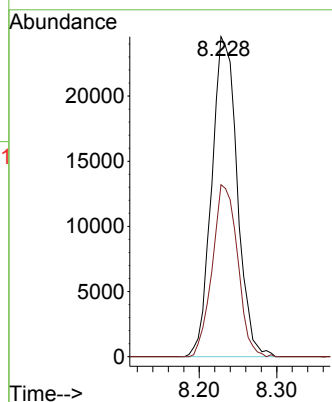
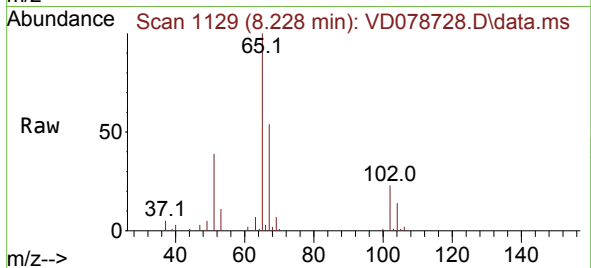
ClientSampleId :

Tgt Ion: 65 Resp: 56141

Ion Ratio Lower Upper

65 100

67 53.3 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078728.D

Acq: 21 Mar 2024 17:08

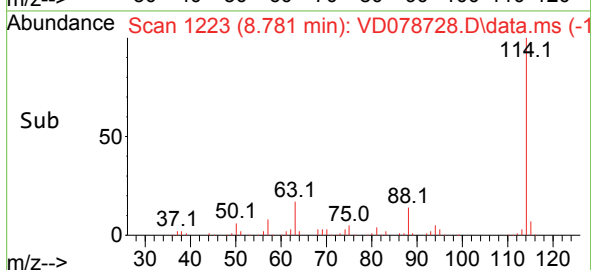
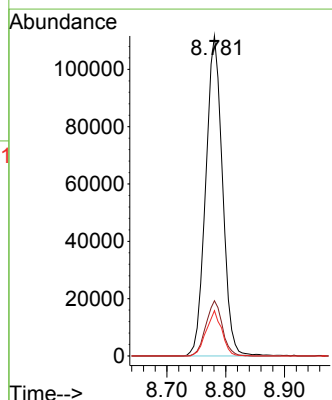
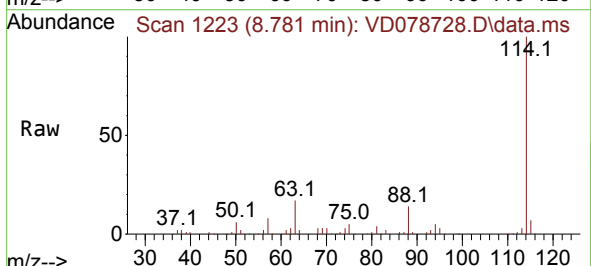
Tgt Ion: 114 Resp: 220942

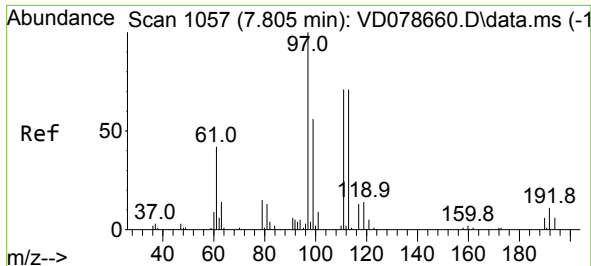
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.4

88 14.1 0.0 24.6





#35

Dibromofluoromethane

Concen: 49.262 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

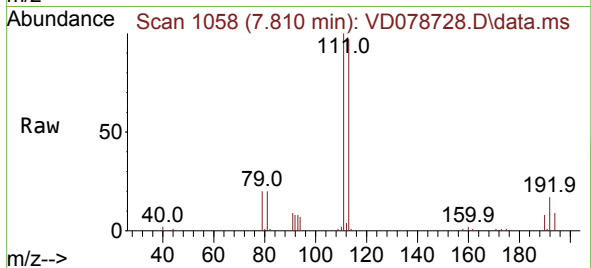
Lab File: VD078728.D

Acq: 21 Mar 2024 17:08

Instrument :

MSVOA\_D

ClientSampleId :



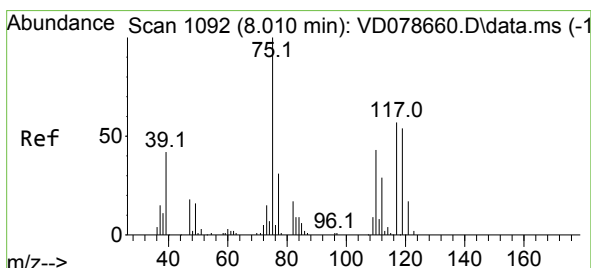
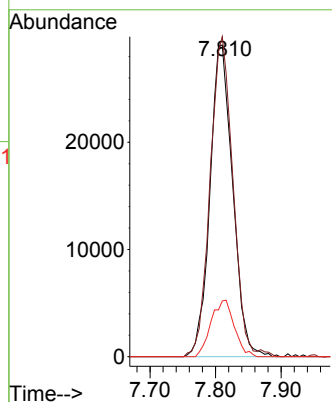
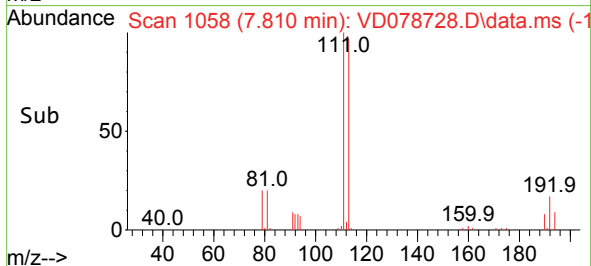
Tgt Ion:113 Resp: 70077

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 18.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.401 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD078728.D

Acq: 21 Mar 2024 17:08

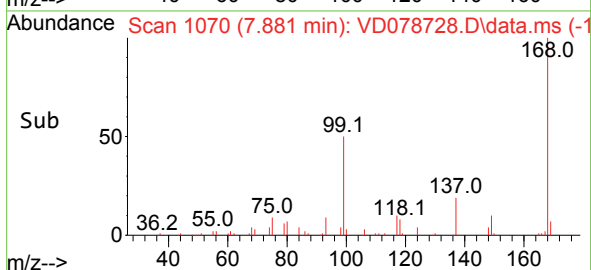
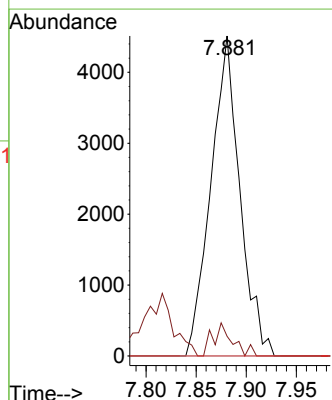
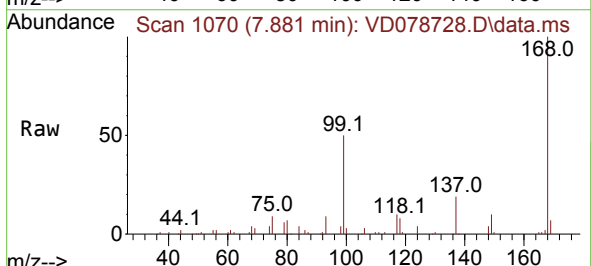
Tgt Ion: 75 Resp: 9083

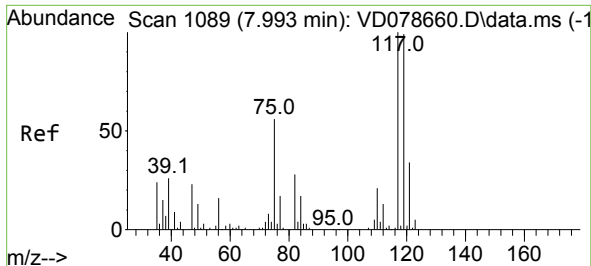
Ion Ratio Lower Upper

75 100

110 7.0 19.1 57.1#

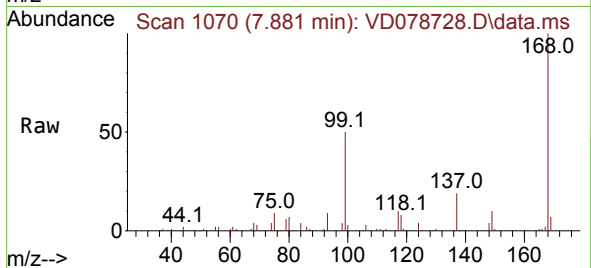
77 0.0 25.4 38.2#



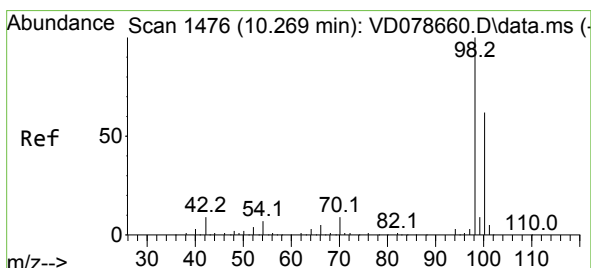
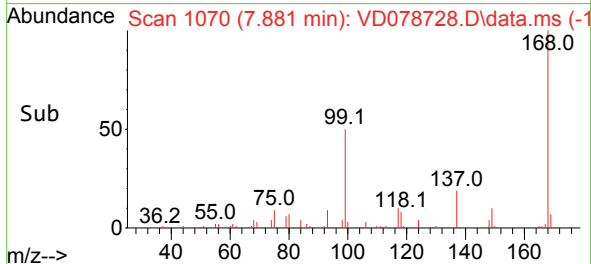
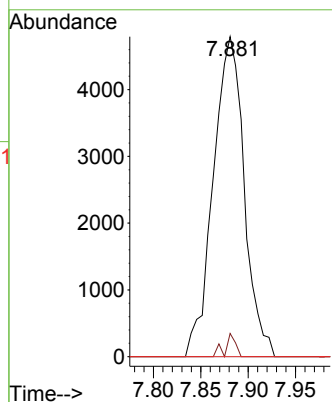


#38  
Carbon Tetrachloride  
Concen: 5.010 ug/l  
RT: 7.881 min Scan# 1089  
Delta R.T. -0.112 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :

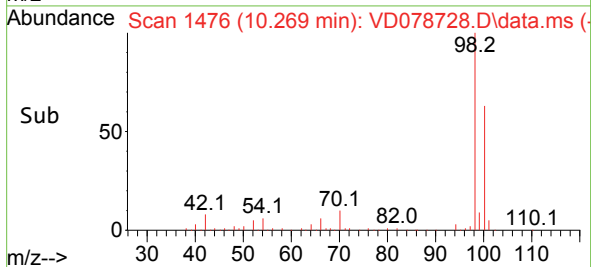
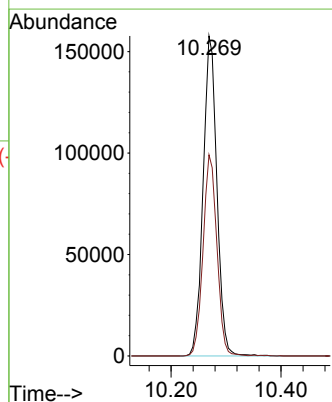
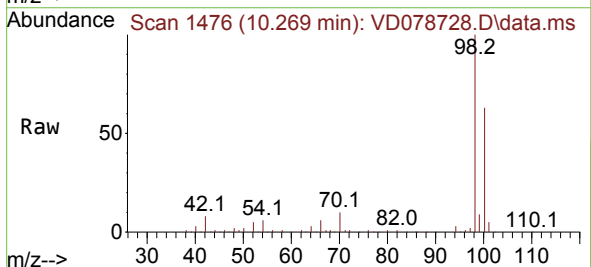


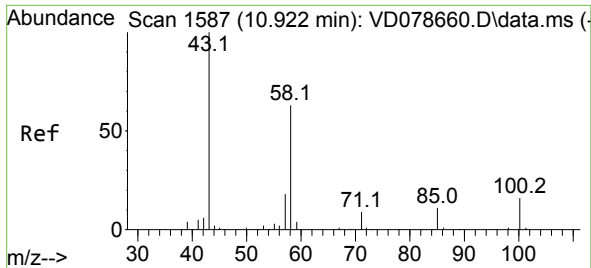
Tgt Ion:117 Resp: 10902  
Ion Ratio Lower Upper  
117 100  
119 7.3 79.2 118.8#  
121 0.0 26.8 40.2#



#50  
Toluene-d8  
Concen: 52.466 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

Tgt Ion: 98 Resp: 274486  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.5 75.7

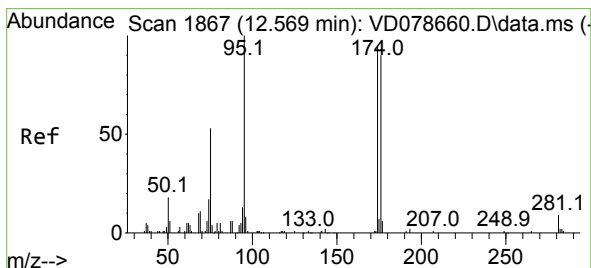
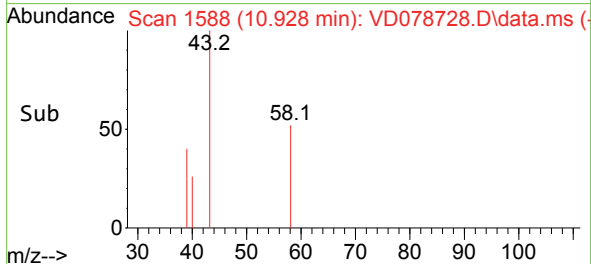
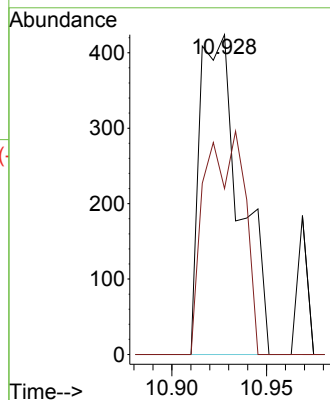
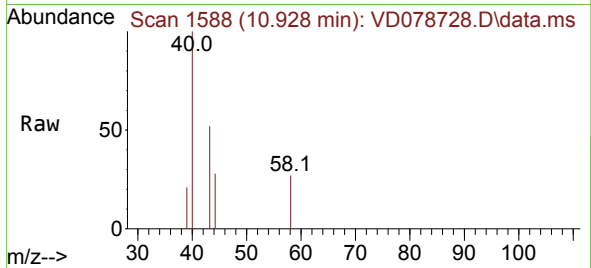




#59  
2-Hexanone  
Concen: 1.317 ug/l  
RT: 10.928 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

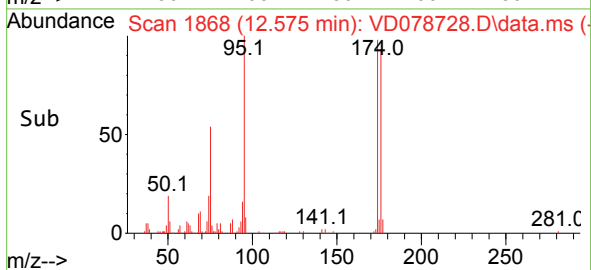
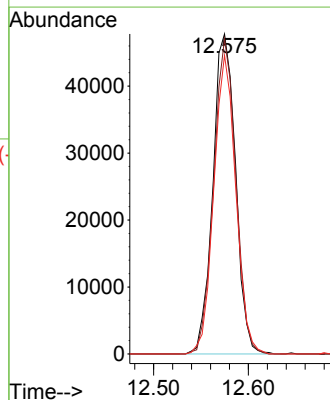
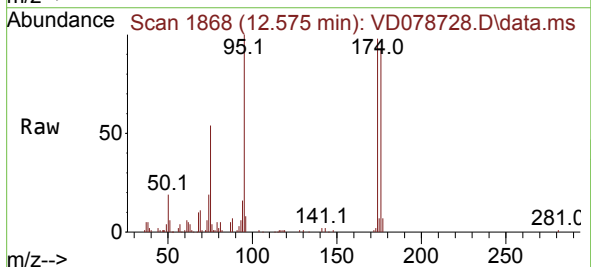
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 43 Resp: 626  
Ion Ratio Lower Upper  
43 100  
58 69.3 31.5 94.5

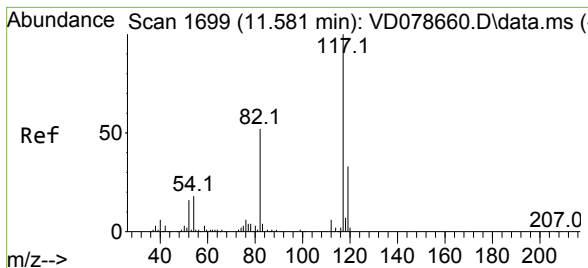


#62  
4-Bromofluorobenzene  
Concen: 51.843 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

Tgt Ion: 95 Resp: 79348  
Ion Ratio Lower Upper  
95 100  
174 96.2 0.0 195.2  
176 90.6 0.0 188.2

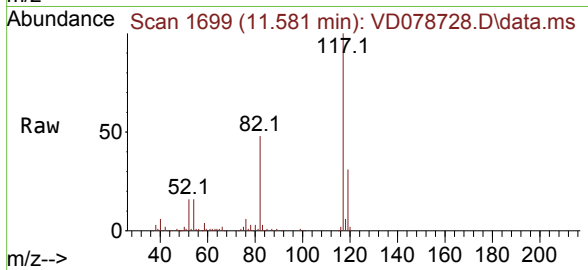




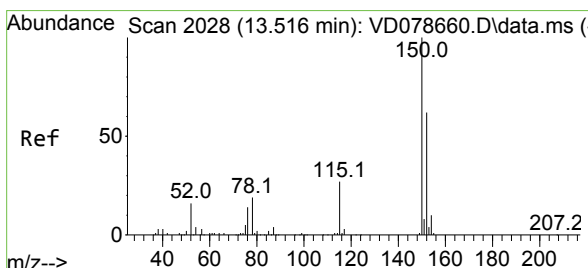
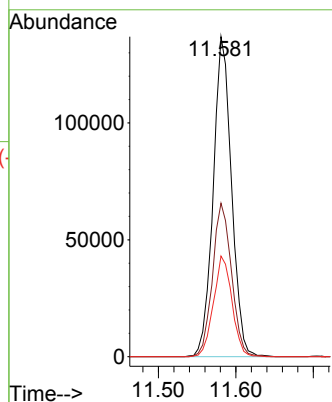
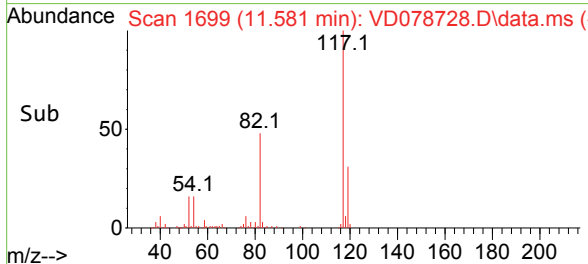


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

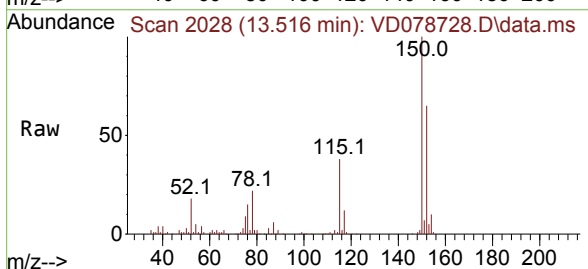
Instrument :  
MSVOA\_D  
ClientSampleId :



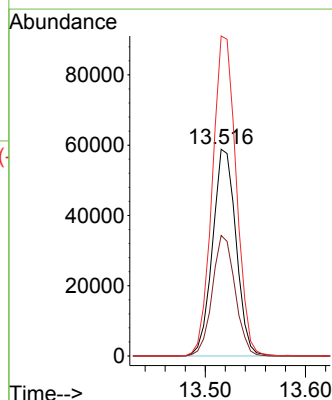
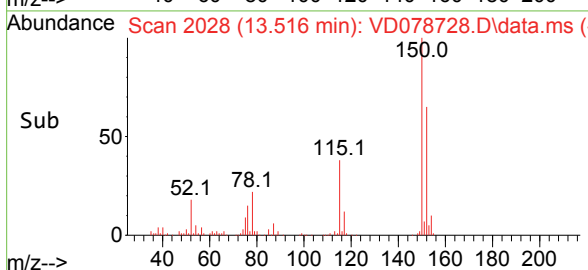
Tgt Ion:117 Resp: 224985  
Ion Ratio Lower Upper  
117 100  
82 48.0 41.4 62.2  
119 31.4 26.5 39.7

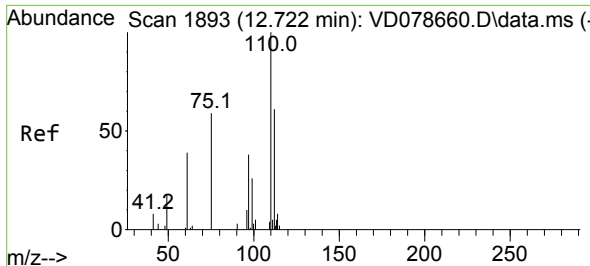


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08



Tgt Ion:152 Resp: 95818  
Ion Ratio Lower Upper  
152 100  
115 56.5 27.1 81.2  
150 157.2 0.0 350.2

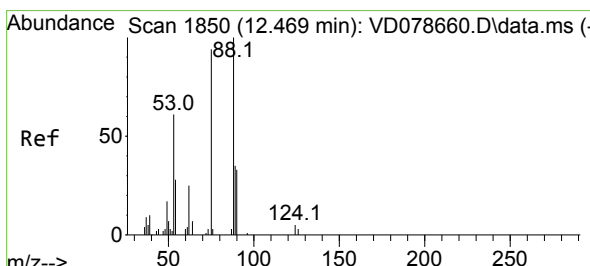
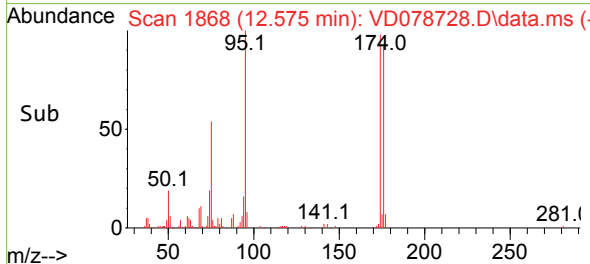
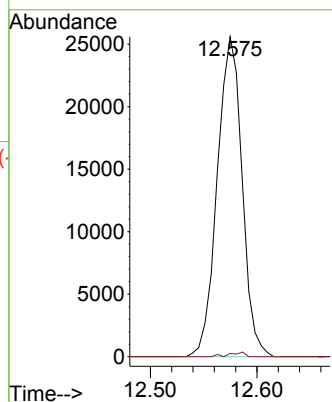
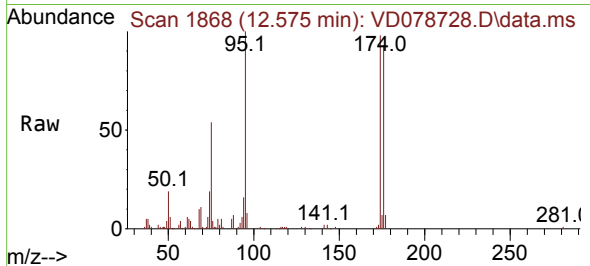




#76  
1,2,3-Trichloropropane  
Concen: 56.088 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 41405  
Ion Ratio Lower Upper  
75 100  
77 0.9 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 117.569 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD078728.D  
Acq: 21 Mar 2024 17:08

Tgt Ion: 75 Resp: 41405  
Ion Ratio Lower Upper  
75 100  
53 0.3 61.0 91.6#  
89 0.0 35.4 53.0#

