

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072122\  
 Data File : VY009627.D  
 Acq On : 21 Jul 2022 12:37  
 Operator : KP/MD  
 Sample : N3726-02RE  
 Misc : 5.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OWS-12-12.5

Quant Time: Jul 22 02:29:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

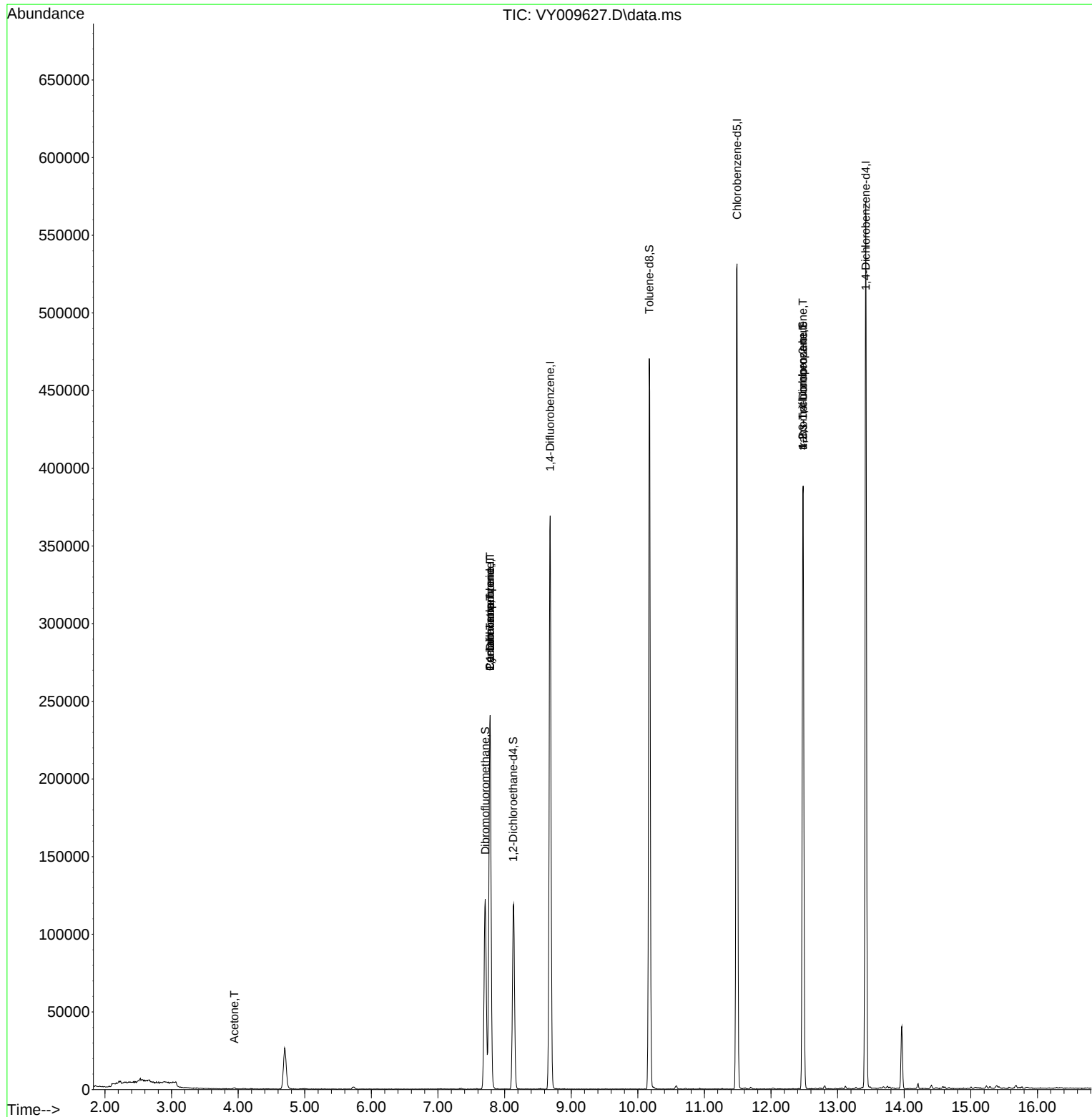
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 201743   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 331662   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 310684   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 150246   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.130  | 65    | 91594    | 48.005    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 96.020%  |
| 35) Dibromofluoromethane      | 7.710  | 113   | 87279    | 41.771    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 83.540%  |
| 50) Toluene-d8                | 10.173 | 98    | 312758   | 38.937    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 125 | Recovery  | =      | 77.880%# |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 103066   | 39.599    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 146 | Recovery  | =      | 79.200%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.942  | 59    | 240      | Below Cal | #      | 77       |
| 16) Acetone                   | 3.942  | 43    | 1119     | 2.318     | ug/l # | 82       |
| 20) Methylene Chloride        | 4.698  | 84    | 20558    | Below Cal | #      | 79       |
| 31) Cyclohexane               | 7.783  | 56    | 3388     | 1.007     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 13034    | 4.221     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 17933    | 5.548     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 52115    | 36.412    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 52115    | 71.797    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

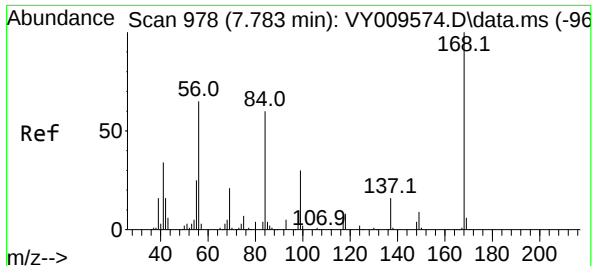
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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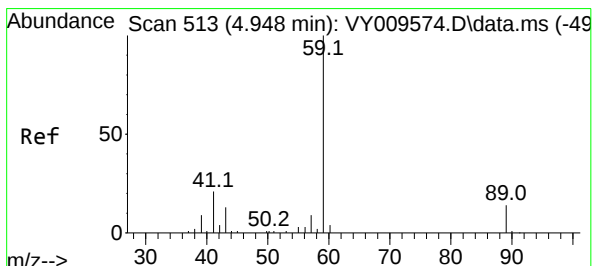
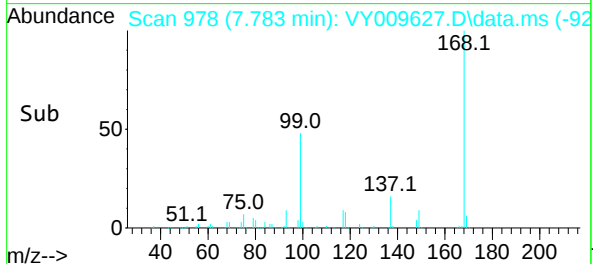
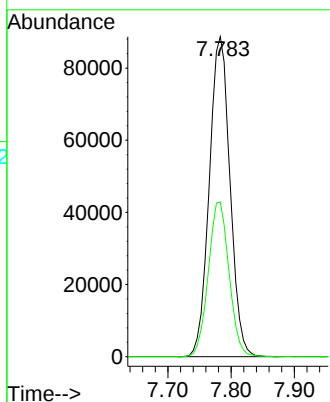
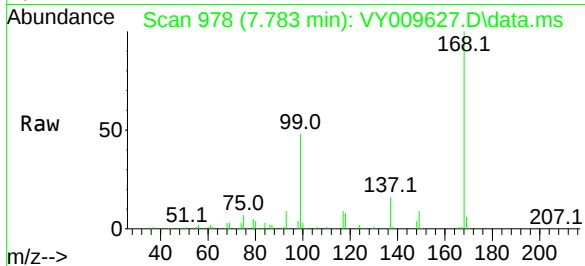




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

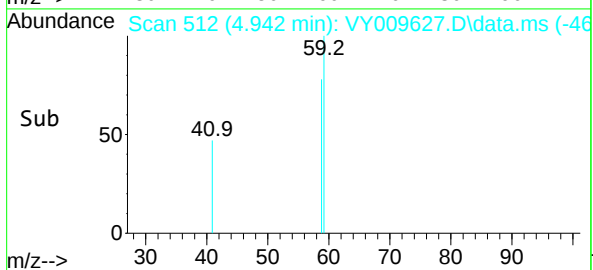
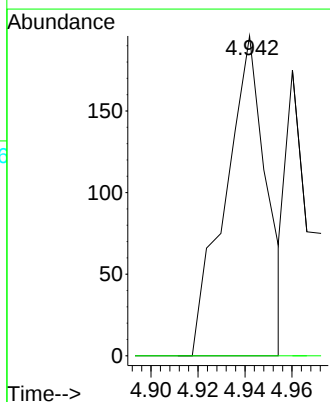
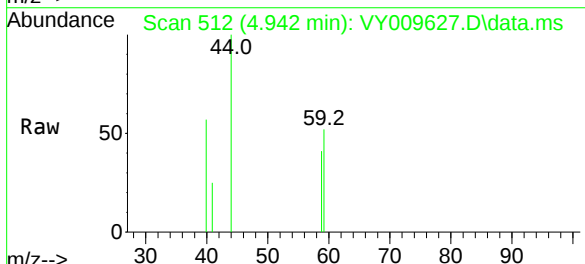
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OWS-12-12.5

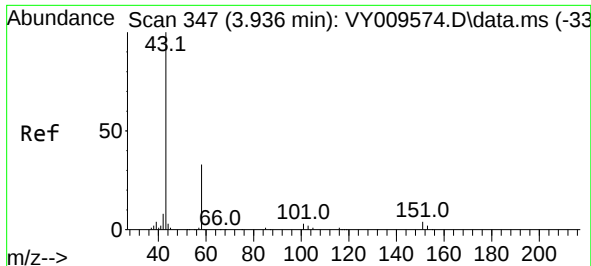
Tgt Ion:168 Resp: 201743  
Ion Ratio Lower Upper  
168 100  
99 48.3 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Tgt Ion: 59 Resp: 240  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

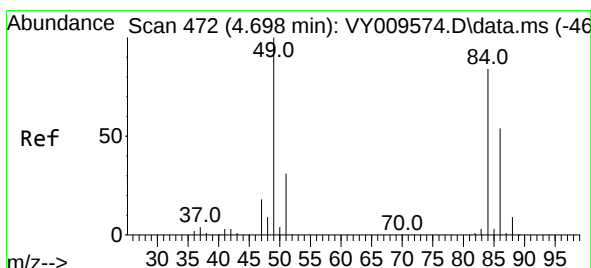
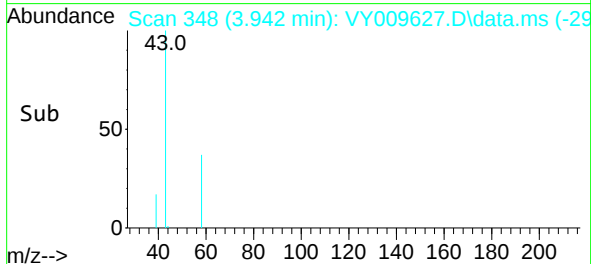
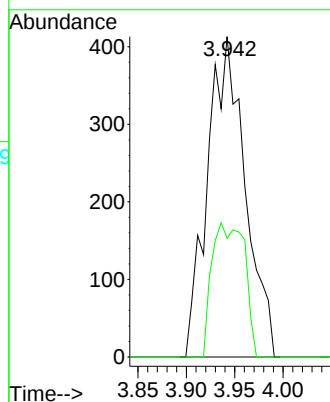
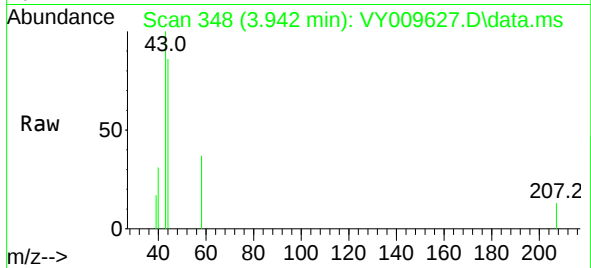




#16  
Acetone  
Concen: 2.318 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

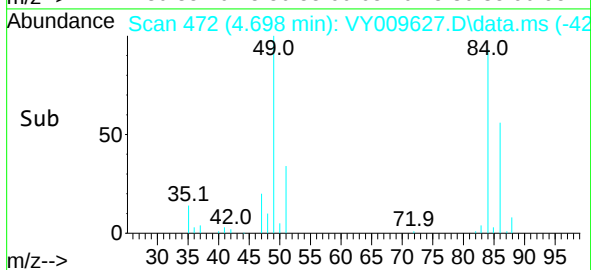
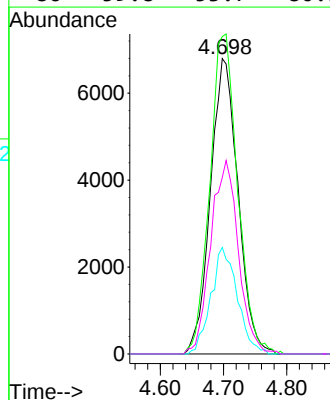
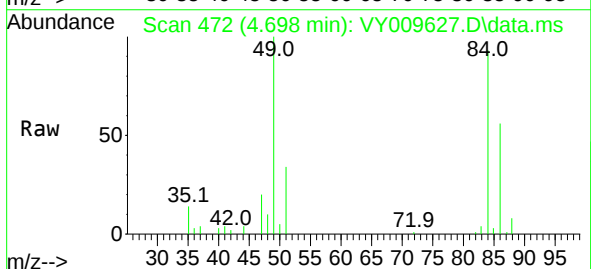
Instrument :  
MSVOA\_Y  
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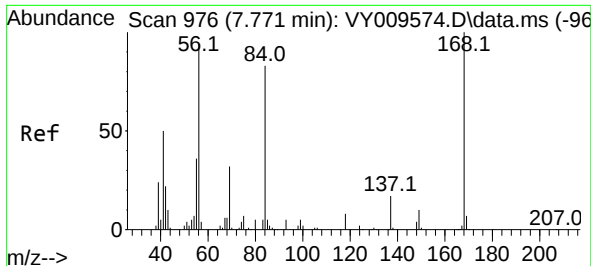
Tgt Ion: 43 Resp: 1119  
Ion Ratio Lower Upper  
43 100  
58 37.0 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.698 min Scan# 472  
Delta R.T. 0.000 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Tgt Ion: 84 Resp: 20558  
Ion Ratio Lower Upper  
84 100  
49 107.5 114.4 171.6#  
51 36.0 35.3 52.9  
86 59.8 53.7 80.5

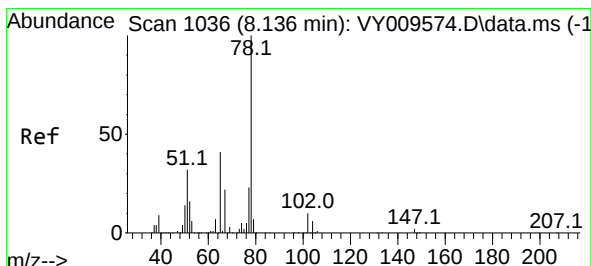
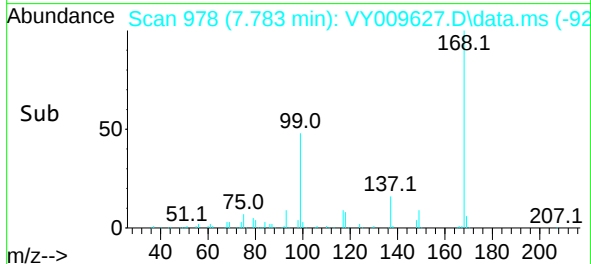
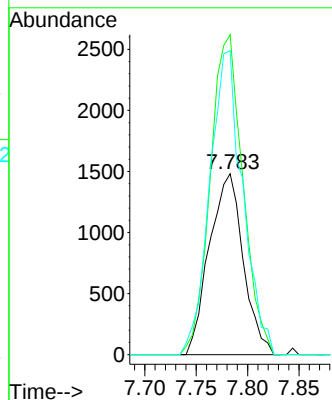
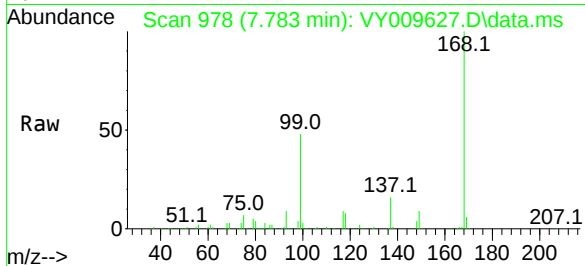




#31  
Cyclohexane  
Concen: 1.007 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

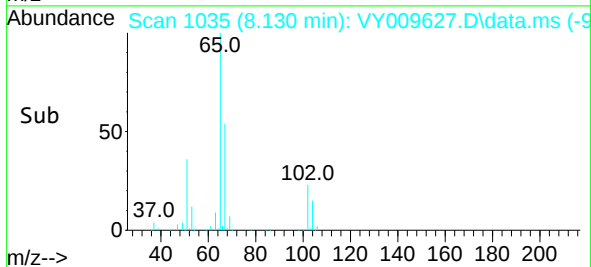
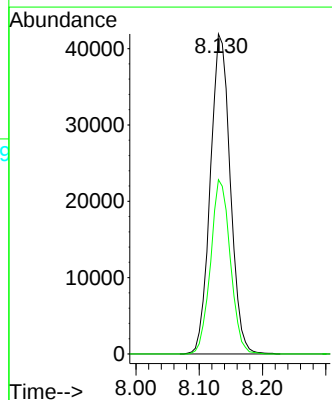
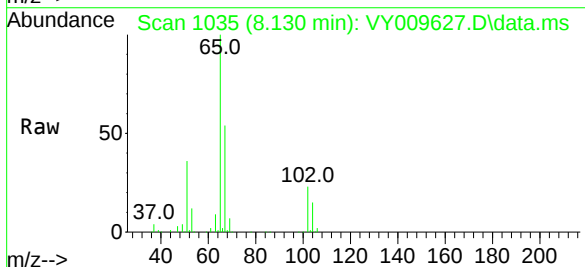
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OWS-12-12.5

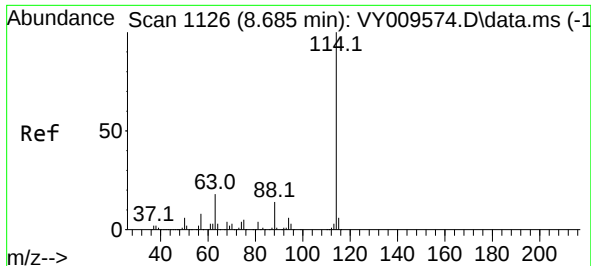
Tgt Ion: 56 Resp: 3388  
Ion Ratio Lower Upper  
56 100  
69 176.8 26.7 40.1#  
84 167.9 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 48.005 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Tgt Ion: 65 Resp: 91594  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009627.D

Acq: 21 Jul 2022 12:37

Instrument :

MSVOA\_Y

ClientSampleId :

OVS-12-12.5

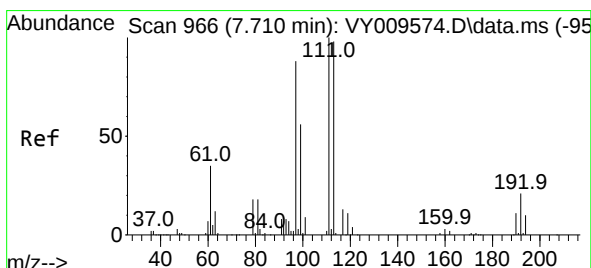
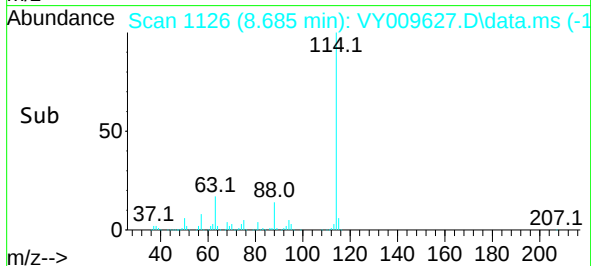
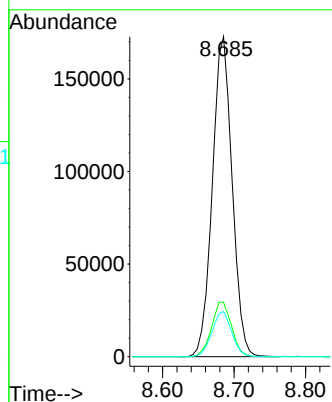
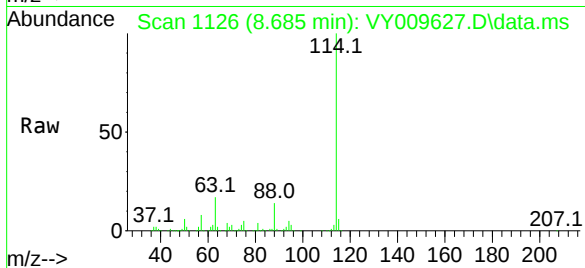
Tgt Ion:114 Resp: 331662

Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 41.771 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009627.D

Acq: 21 Jul 2022 12:37

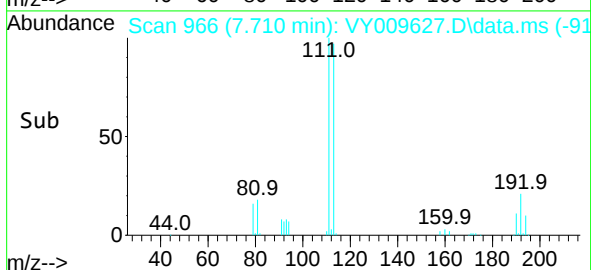
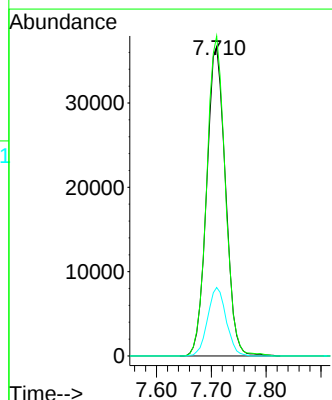
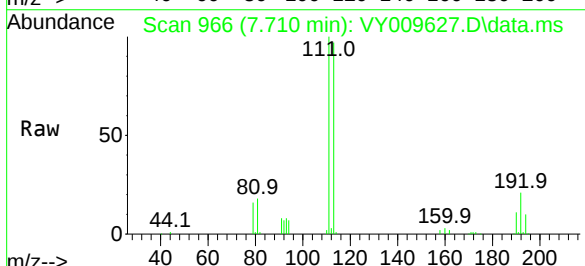
Tgt Ion:113 Resp: 87279

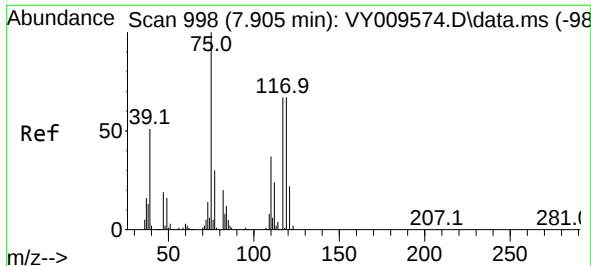
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 21.8 17.6 26.4

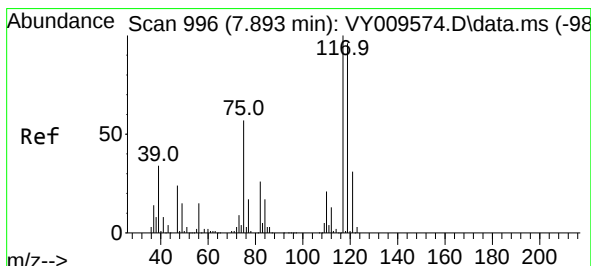
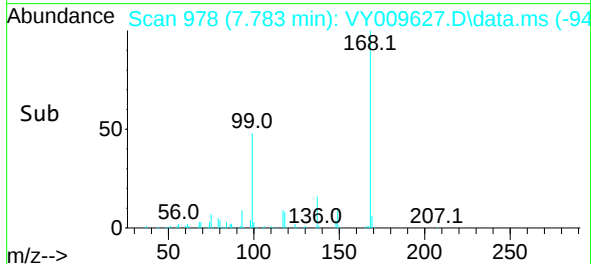
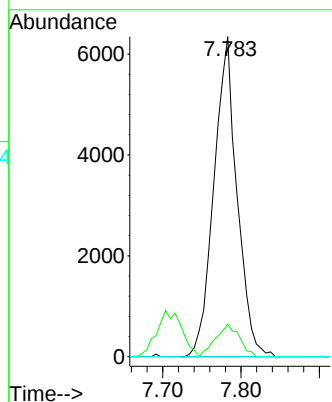
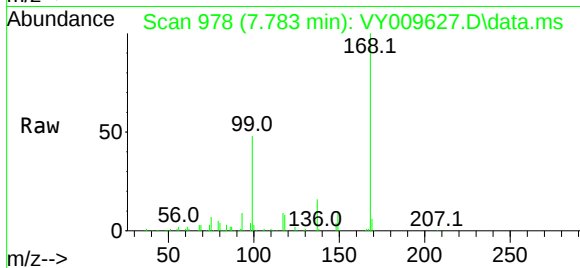




#36  
1,1-Dichloropropene  
Concen: 4.221 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

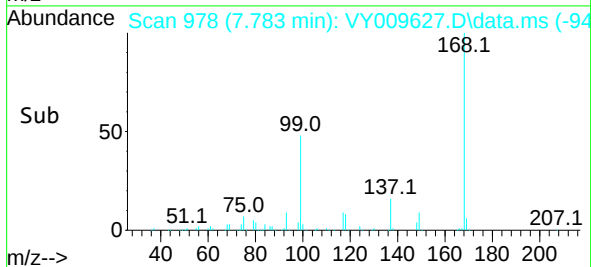
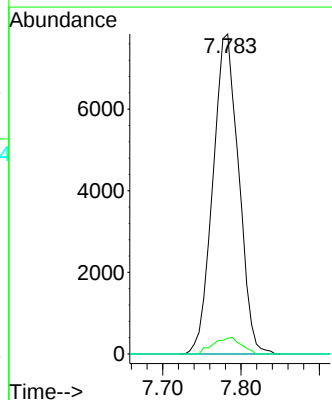
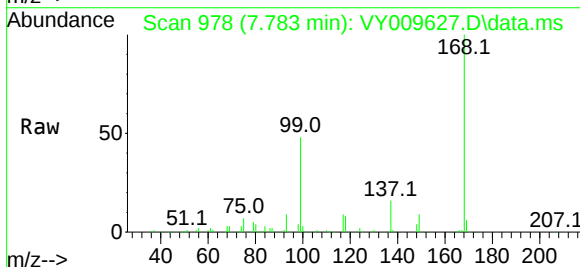
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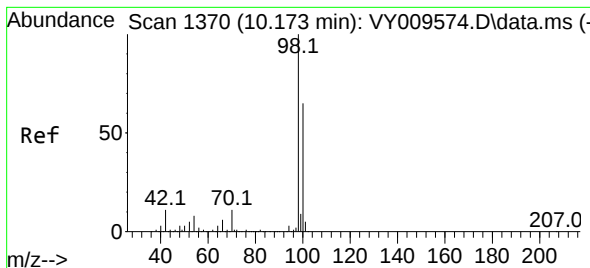
Tgt Ion: 75 Resp: 13034  
Ion Ratio Lower Upper  
75 100  
110 10.4 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.548 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Tgt Ion: 117 Resp: 17933  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.9 116.9#  
121 0.0 24.8 37.2#

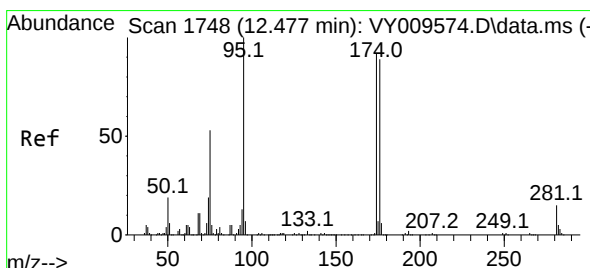
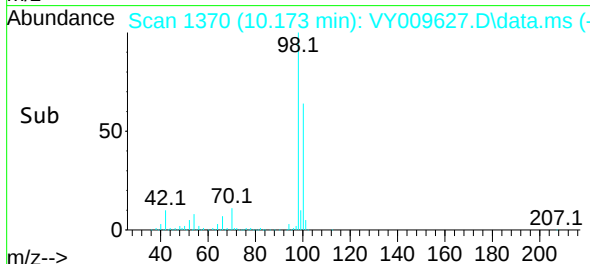
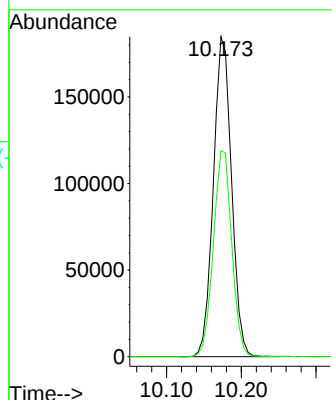
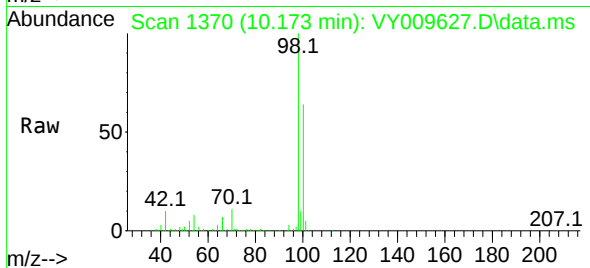




#50  
Toluene-d8  
Concen: 38.937 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

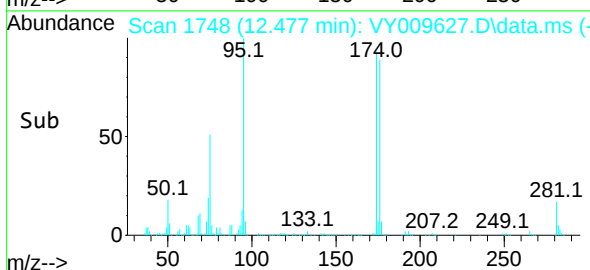
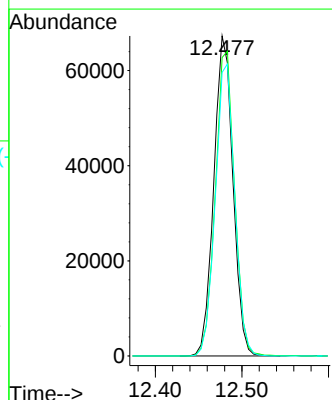
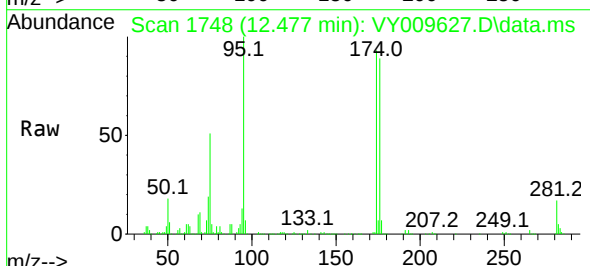
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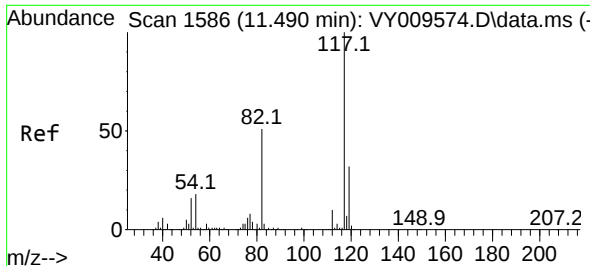
Tgt Ion: 98 Resp: 312758  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 39.599 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Tgt Ion: 95 Resp: 103066  
Ion Ratio Lower Upper  
95 100  
174 96.1 0.0 177.0  
176 92.7 0.0 175.8

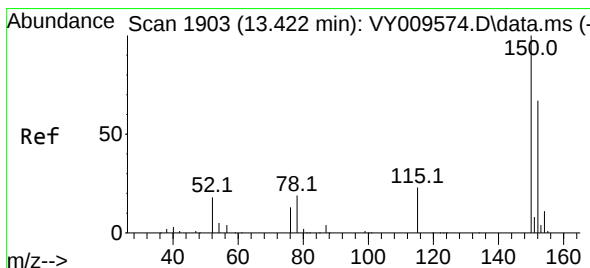
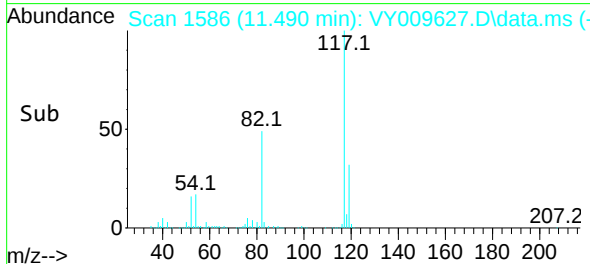
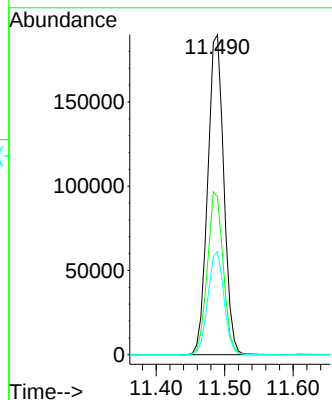
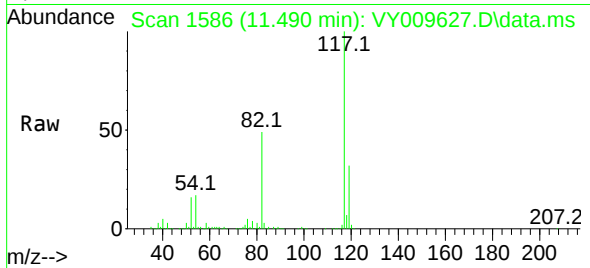




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

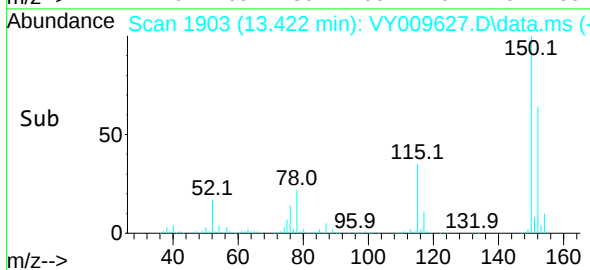
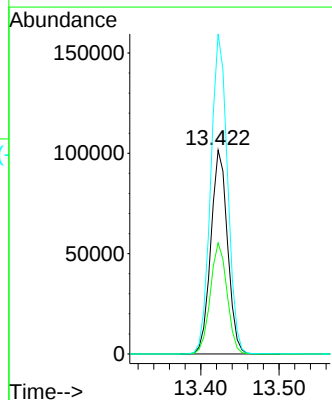
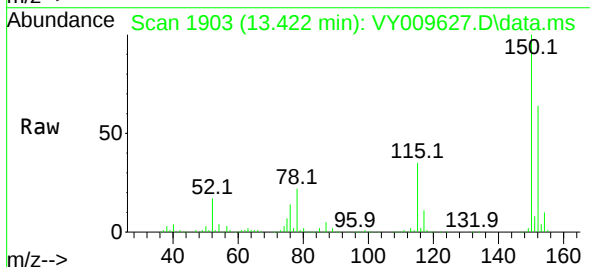
Instrument :  
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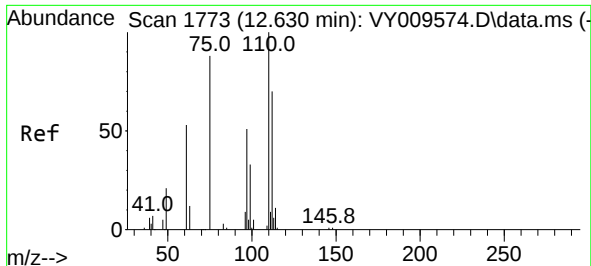
Tgt Ion:117 Resp: 310684  
Ion Ratio Lower Upper  
117 100  
82 49.4 43.0 64.4  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Tgt Ion:152 Resp: 150246  
Ion Ratio Lower Upper  
152 100  
115 54.4 28.2 84.7  
150 157.9 0.0 347.6

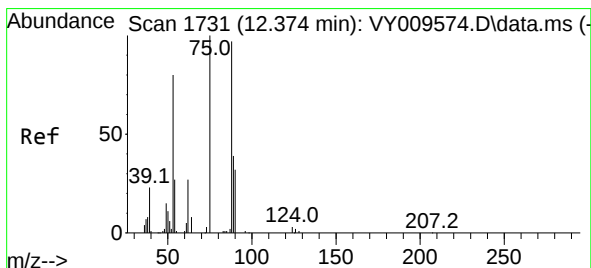
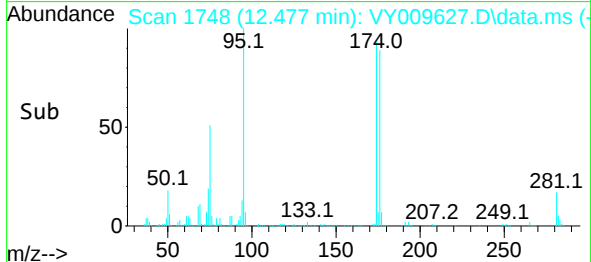
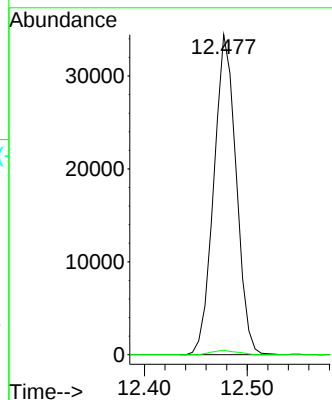
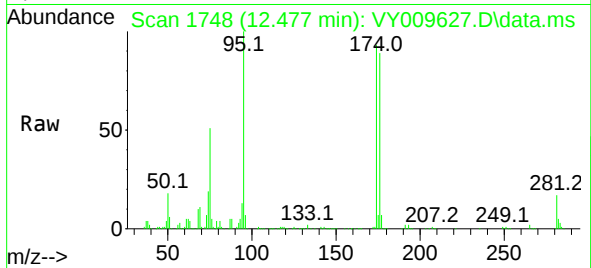




#76  
1,2,3-Trichloropropane  
Concen: 36.412 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OWS-12-12.5

Tgt Ion: 75 Resp: 52115  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.797 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009627.D  
Acq: 21 Jul 2022 12:37

Tgt Ion: 75 Resp: 52115  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.2 37.0 55.4#

