

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102122\  
 Data File : VX032296.D  
 Acq On : 21 Oct 2022 18:06  
 Operator : JC/MD  
 Sample : N5248-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-9-20221018

Quant Time: Oct 22 05:13:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 22 04:56:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.555          | 168  | 143834     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 216813     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 186090     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 85107      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 90047      | 48.124    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 96.240%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 68600      | 45.469    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 90.940%   |        |          |
| 50) Toluene-d8                | 8.652          | 98   | 256045     | 47.145    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 94.300%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 88583      | 44.542    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 89.080%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 1.300          | 50   | 336        | Below Cal | #      | 44       |
| 6) Chloroethane               | 1.678          | 64   | 588        | 2.350     | ug/l # | 67       |
| 11) Tert butyl alcohol        | 2.946          | 59   | 293        | Below Cal | #      | 74       |
| 16) Acetone                   | 2.391          | 43   | 600        | 0.988     | ug/l   | 95       |
| 31) Cyclohexane               | 5.555          | 56   | 3198       | 1.495     | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 5.549          | 75   | 11714      | 6.036     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.549          | 117  | 15008      | 7.325     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.652          | 43   | 1216       | 0.650     | ug/l # | 1        |
| 52) Toluene                   | 8.720          | 92   | 4705       | 1.291     | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 48239      | 28.606    | ug/l # | 44       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 48239      | 87.668    | ug/l # | 6        |
| -----                         |                |      |            |           |        |          |

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

Quant Time: Oct 22 05:13:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 22 04:56:40 2022  
Response via : Initial Calibration

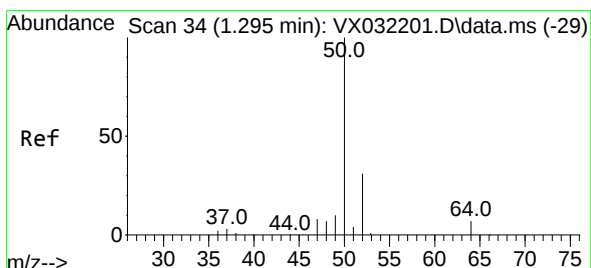
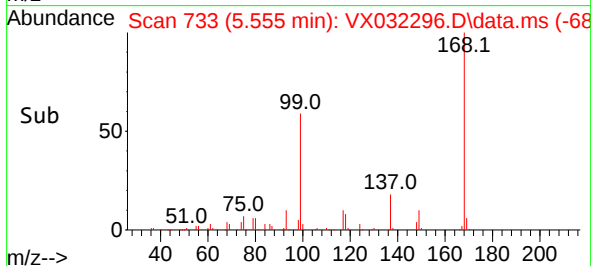
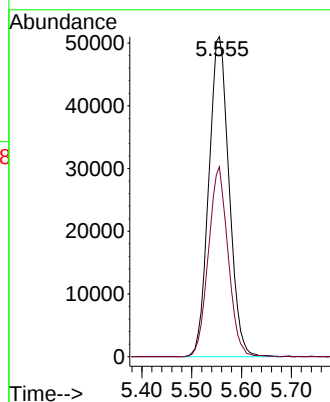
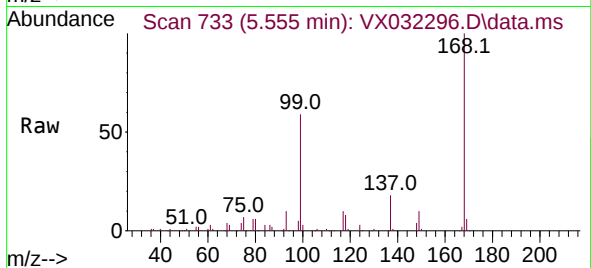




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.555 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

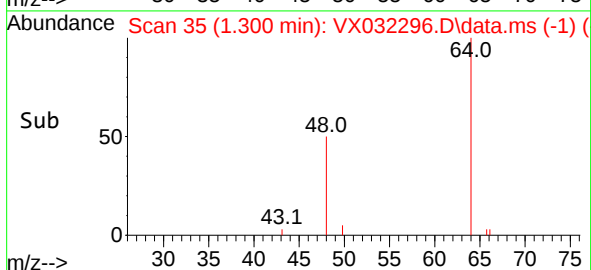
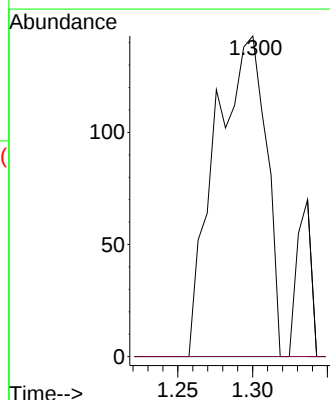
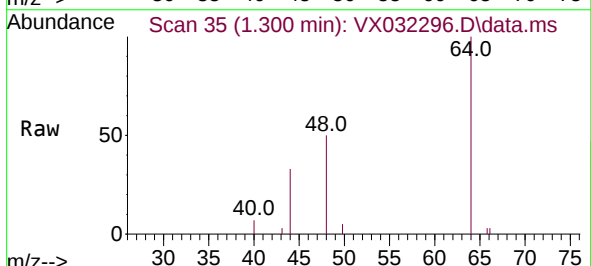
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-9-20221018

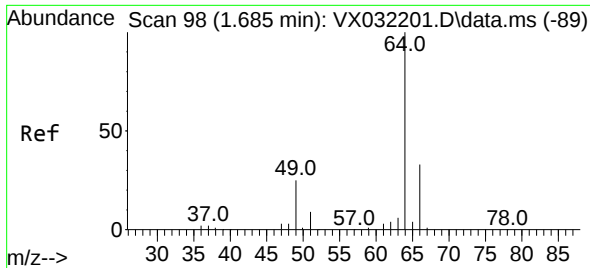
Tgt Ion:168 Resp: 143834  
Ion Ratio Lower Upper  
168 100  
99 59.4 44.8 67.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.300 min Scan# 35  
Delta R.T. 0.005 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

Tgt Ion: 50 Resp: 336  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.7 37.1#

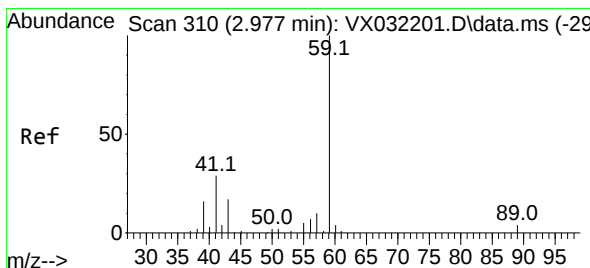
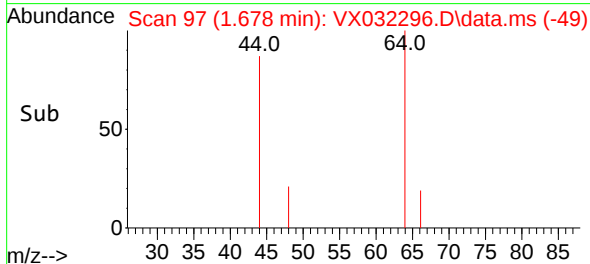
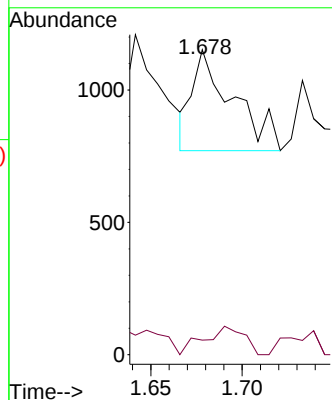
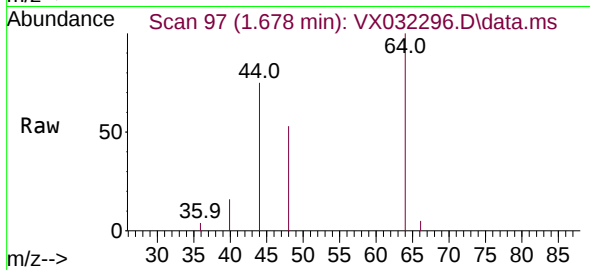




#6  
Chloroethane  
Concen: 2.350 ug/l  
RT: 1.678 min Scan# 91  
Delta R.T. -0.007 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

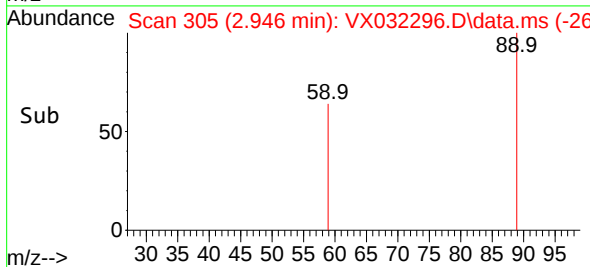
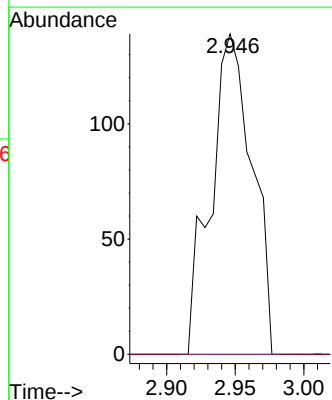
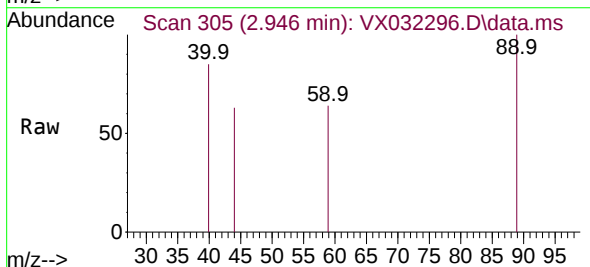
Instrument :  
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ClientSampleId :  
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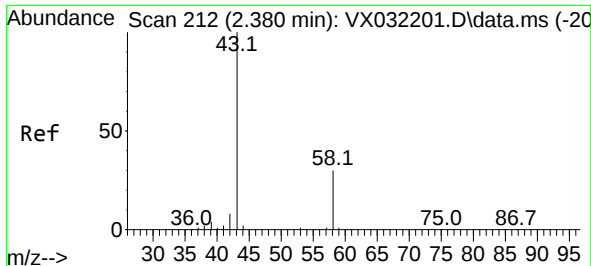
Tgt Ion: 64 Resp: 588  
Ion Ratio Lower Upper  
64 100  
66 14.4 26.6 39.8#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.946 min Scan# 305  
Delta R.T. -0.031 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

Tgt Ion: 59 Resp: 293  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.5 11.3#

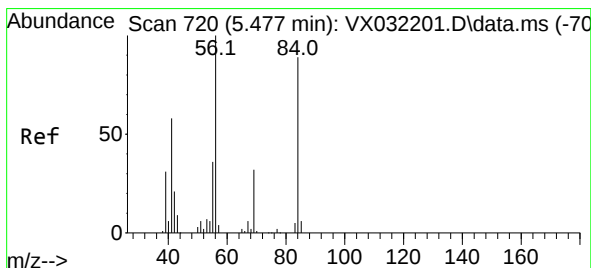
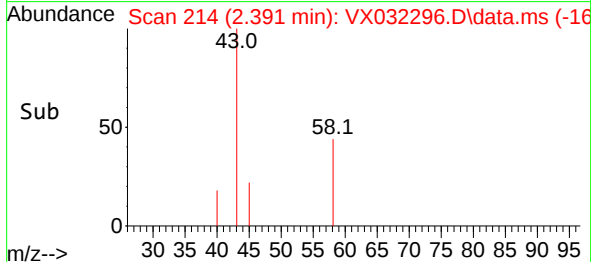
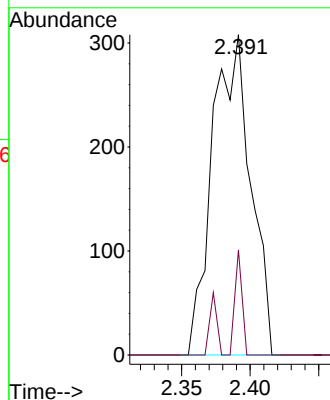
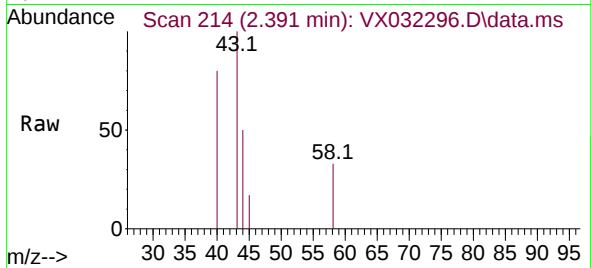




#16  
Acetone  
Concen: 0.988 ug/l  
RT: 2.391 min Scan# 21  
Delta R.T. 0.011 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

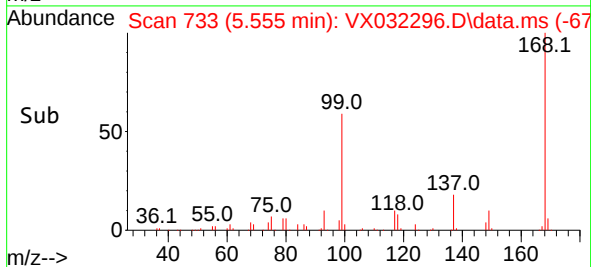
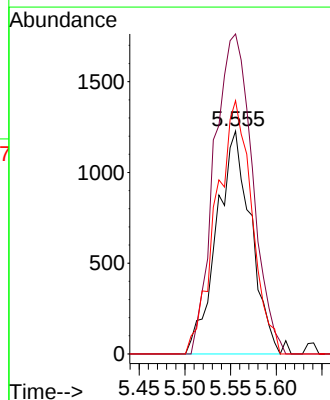
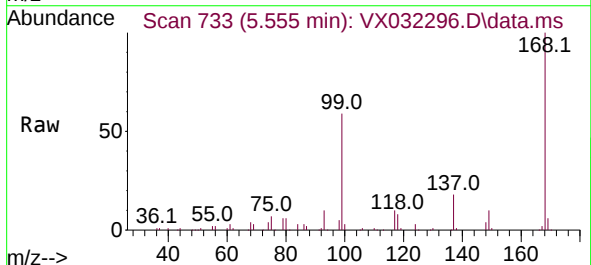
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-9-20221018

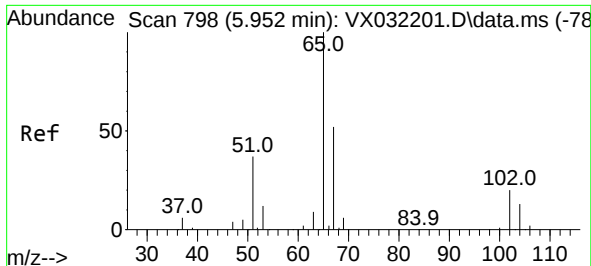
Tgt Ion: 43 Resp: 600  
Ion Ratio Lower Upper  
43 100  
58 32.8 24.2 36.2



#31  
Cyclohexane  
Concen: 1.495 ug/l  
RT: 5.555 min Scan# 733  
Delta R.T. 0.078 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

Tgt Ion: 56 Resp: 3198  
Ion Ratio Lower Upper  
56 100  
69 143.6 25.4 38.0#  
84 113.6 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 48.124 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032296.D

Acq: 21 Oct 2022 18:06

Instrument :

MSVOA\_X

ClientSampleId :

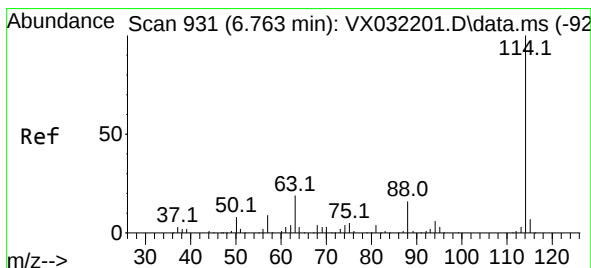
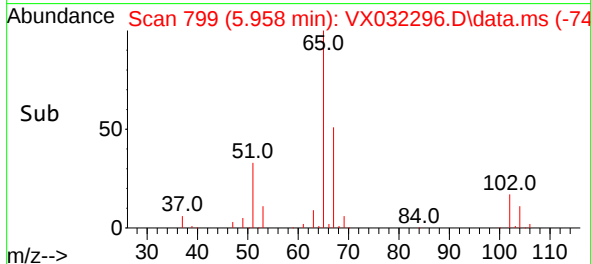
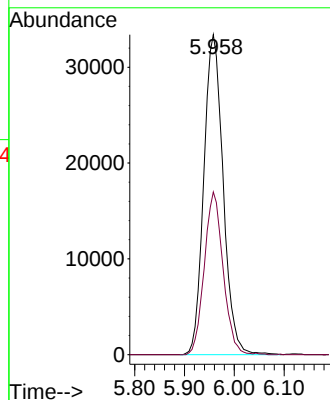
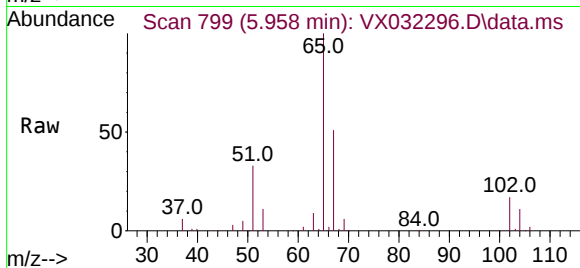
FSND-MW-9-20221018

Tgt Ion: 65 Resp: 90047

Ion Ratio Lower Upper

65 100

67 49.3 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032296.D

Acq: 21 Oct 2022 18:06

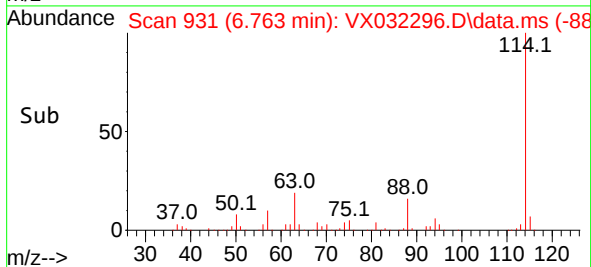
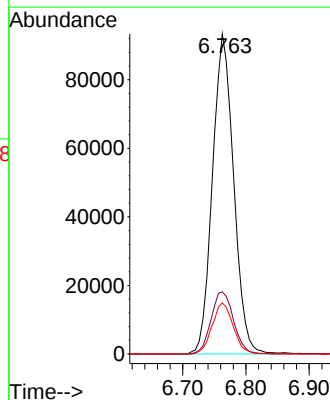
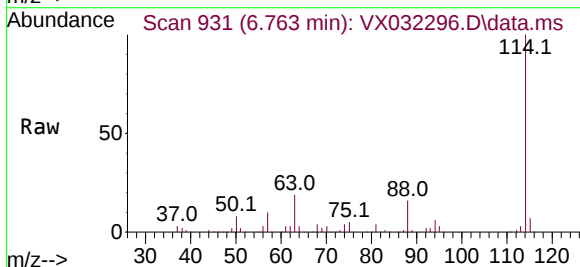
Tgt Ion: 114 Resp: 216813

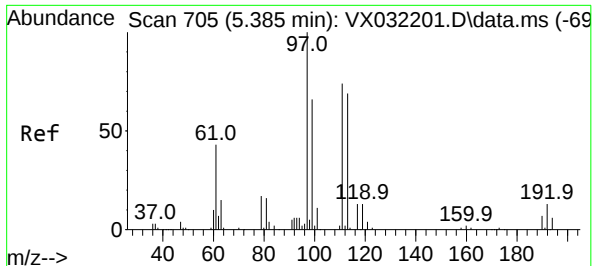
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.469 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX032296.D

Acq: 21 Oct 2022 18:06

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-9-20221018

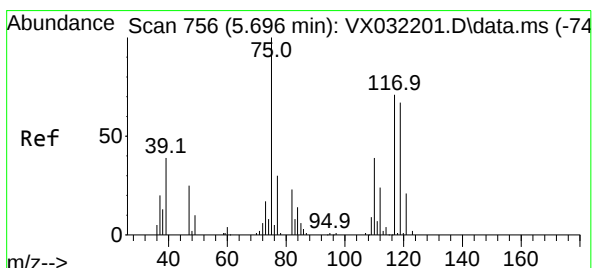
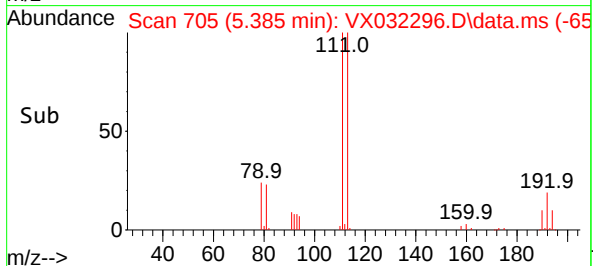
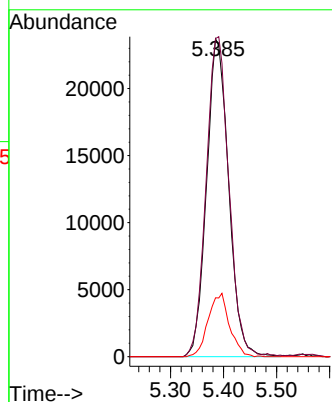
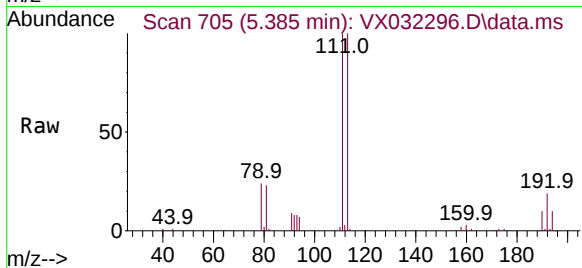
Tgt Ion:113 Resp: 68600

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 19.3 15.5 23.3



#36

1,1-Dichloropropene

Concen: 6.036 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX032296.D

Acq: 21 Oct 2022 18:06

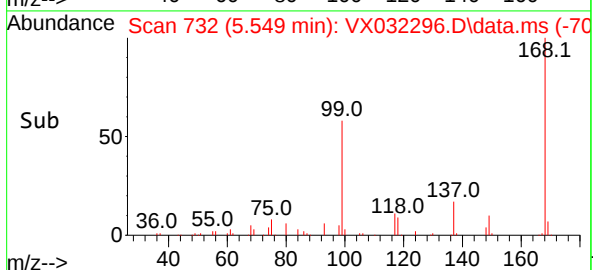
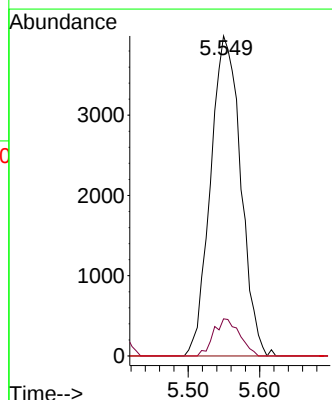
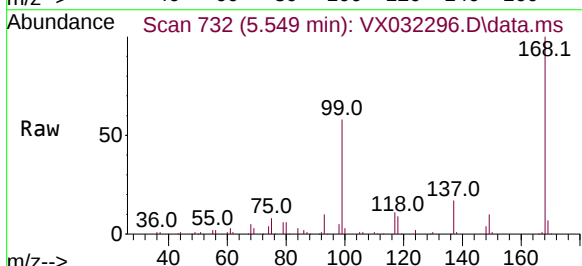
Tgt Ion: 75 Resp: 11714

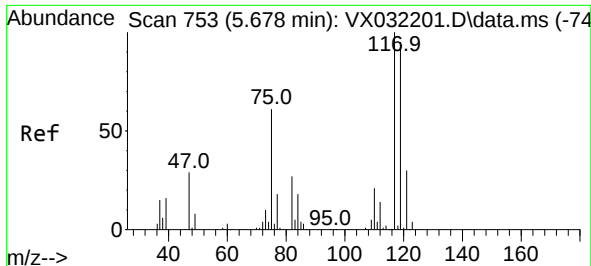
Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.0#

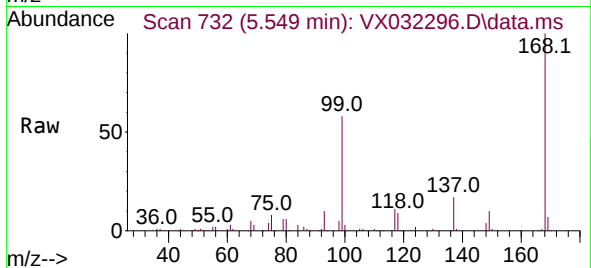
77 0.0 24.7 37.1#



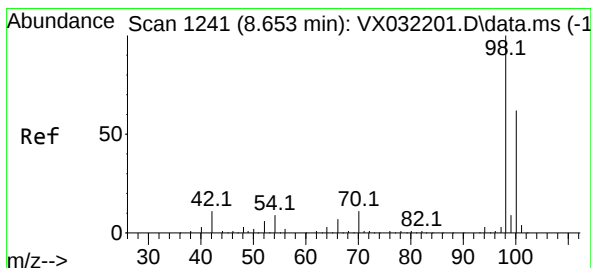
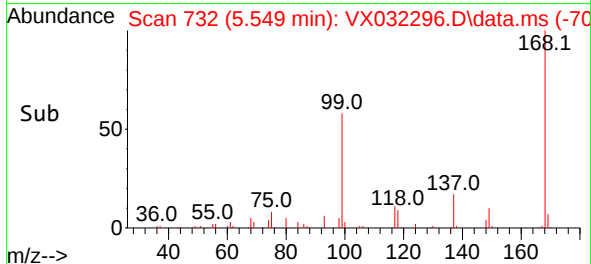
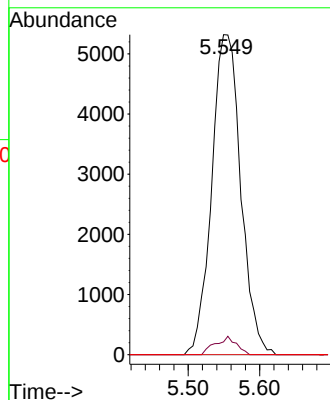


#38  
Carbon Tetrachloride  
Concen: 7.325 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.129 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

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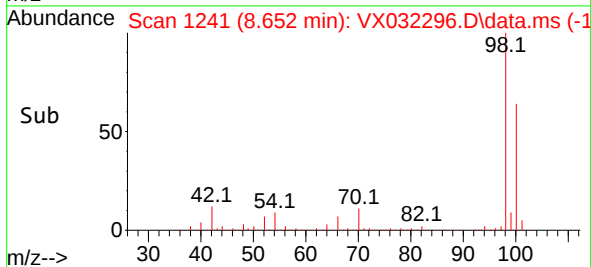
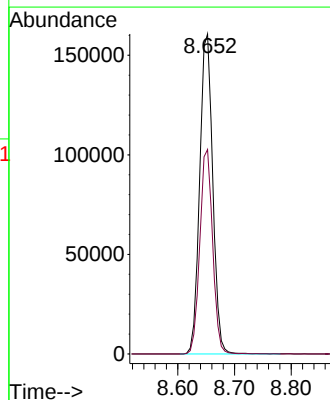
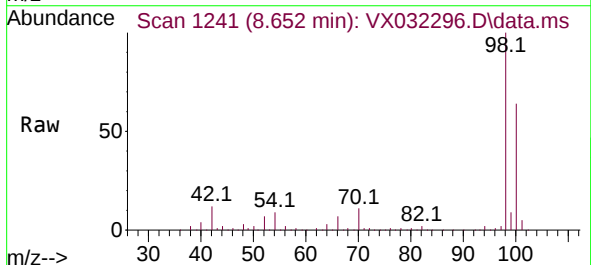


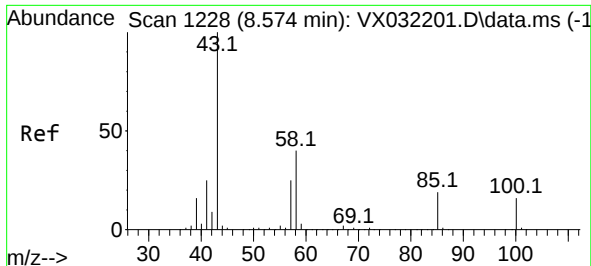
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Ion Ratio Lower Upper  
117 100  
119 4.0 75.4 113.0#  
121 0.0 23.9 35.9#



#50  
Toluene-d8  
Concen: 47.145 ug/l  
RT: 8.652 min Scan# 1241  
Delta R.T. -0.001 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

Tgt Ion: 98 Resp: 256045  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.7 76.1

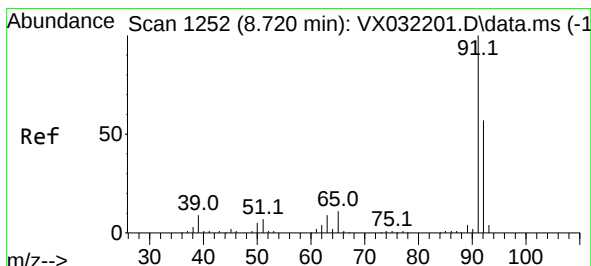
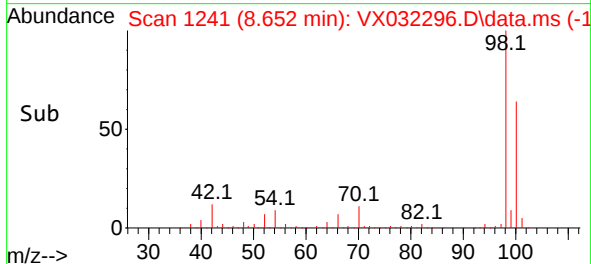
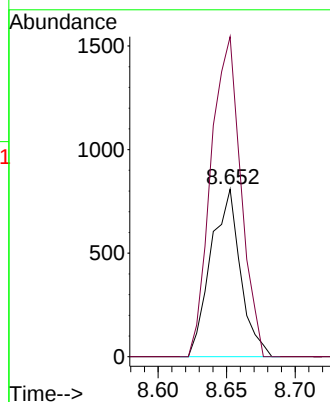
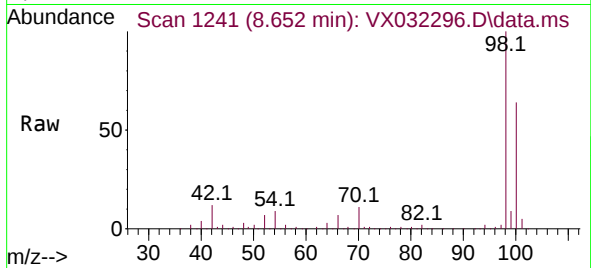




#51  
4-Methyl-2-Pentanone  
Concen: 0.650 ug/l  
RT: 8.652 min Scan# 1241  
Delta R.T. 0.078 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

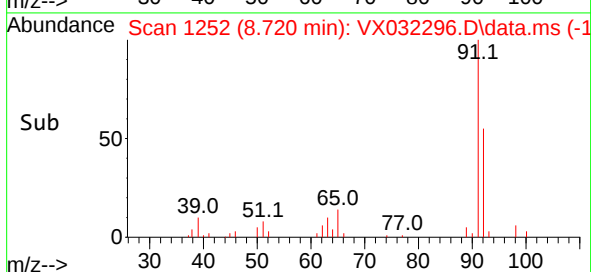
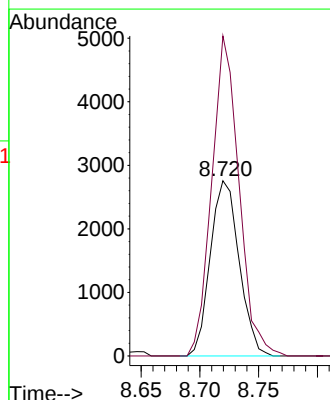
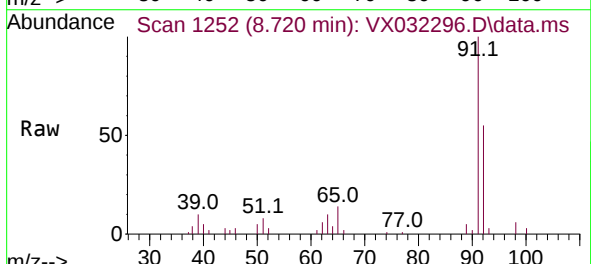
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-9-20221018

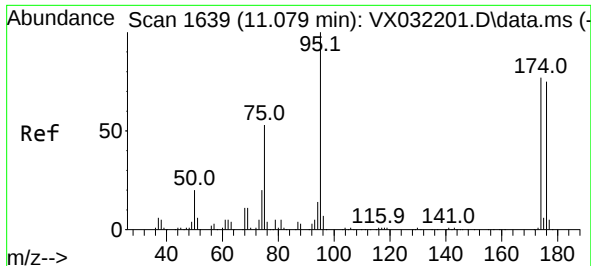
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Ion Ratio Lower Upper  
43 100  
58 193.0 31.0 46.4#



#52  
Toluene  
Concen: 1.291 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

Tgt Ion: 92 Resp: 4705  
Ion Ratio Lower Upper  
92 100  
91 172.6 140.3 210.5





#62

4-Bromofluorobenzene

Concen: 44.542 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX032296.D

Acq: 21 Oct 2022 18:06

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-9-20221018

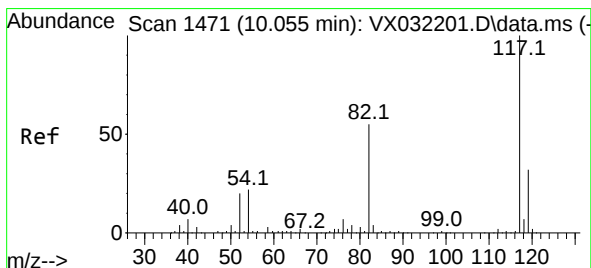
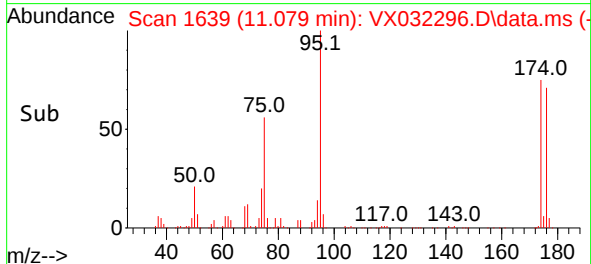
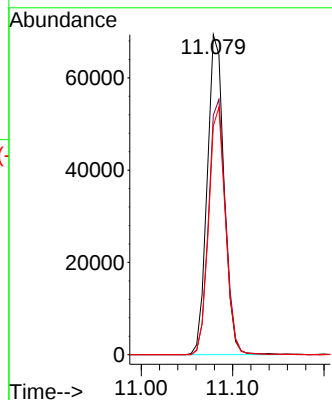
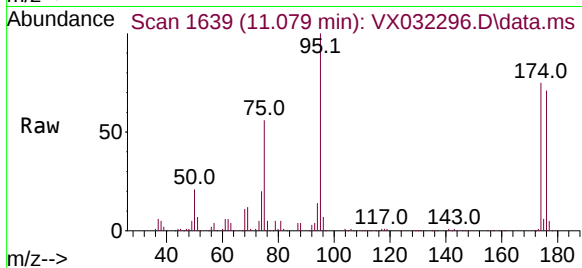
Tgt Ion: 95 Resp: 88583

Ion Ratio Lower Upper

95 100

174 80.7 0.0 166.8

176 77.2 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032296.D

Acq: 21 Oct 2022 18:06

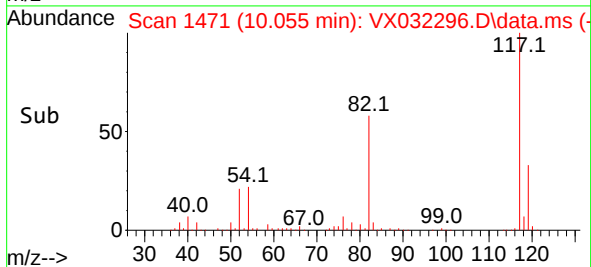
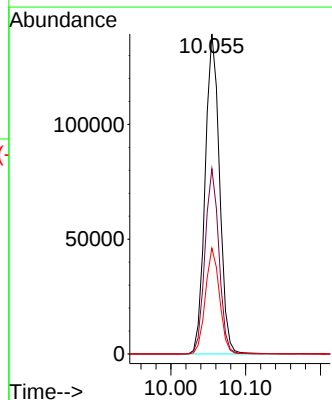
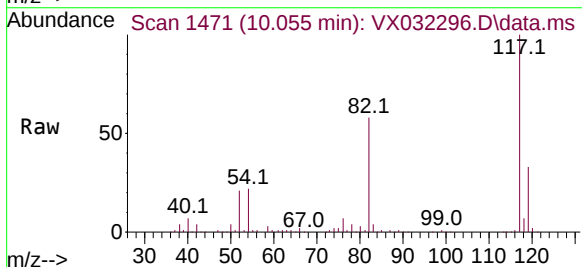
Tgt Ion: 117 Resp: 186090

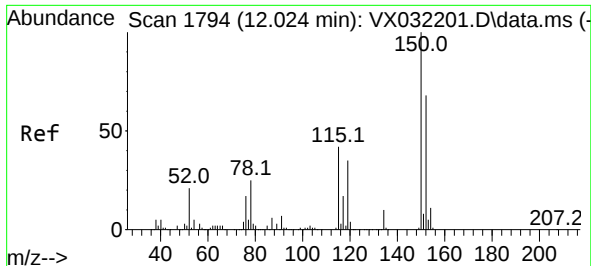
Ion Ratio Lower Upper

117 100

82 57.9 44.2 66.4

119 33.1 25.8 38.8

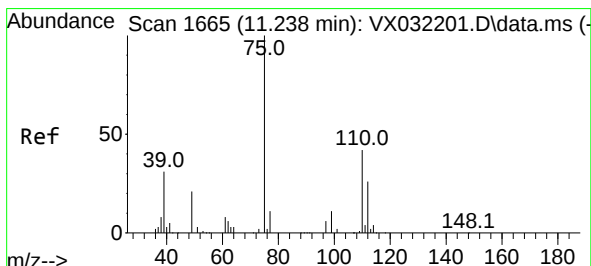
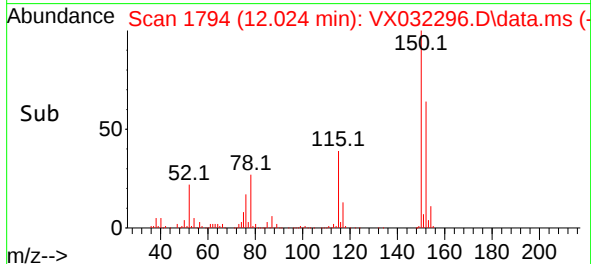
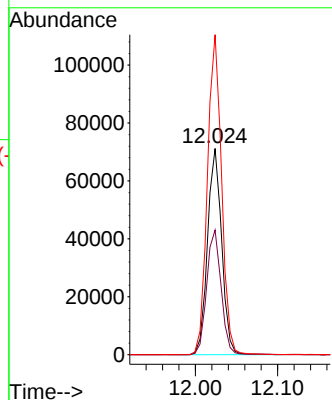
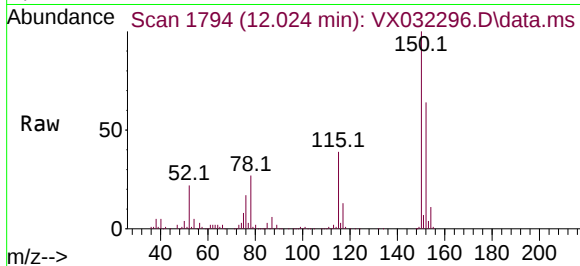




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

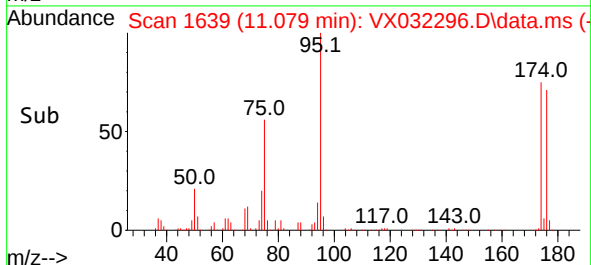
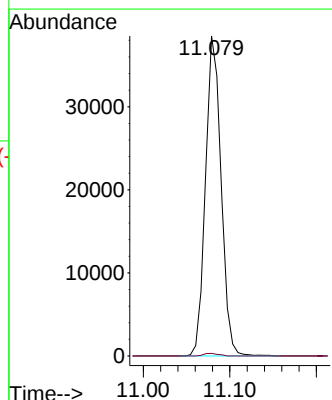
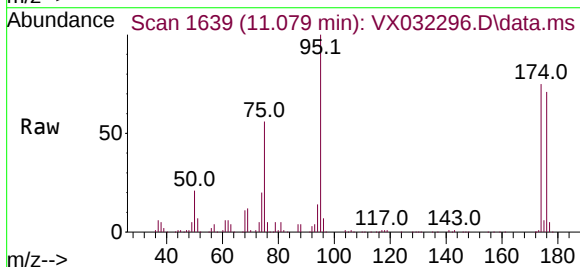
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-9-20221018

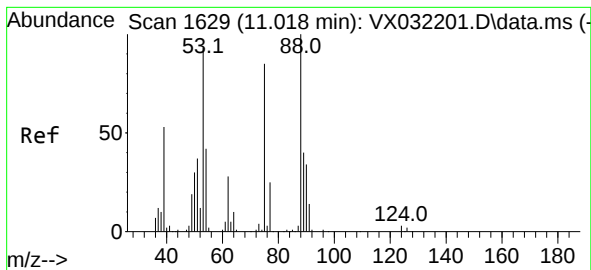
Tgt Ion:152 Resp: 85107  
Ion Ratio Lower Upper  
152 100  
115 61.4 43.1 129.4  
150 155.4 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 28.606 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX032296.D  
Acq: 21 Oct 2022 18:06

Tgt Ion: 75 Resp: 48239  
Ion Ratio Lower Upper  
75 100  
77 0.8 16.0 47.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 87.668 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX032296.D  
 Acq: 21 Oct 2022 18:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-9-20221018

Tgt Ion: 75 Resp: 48239  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 87.8 131.8#  
 89 0.0 37.8 56.8#

