

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052122\  
 Data File : VY008986.D  
 Acq On : 22 May 2022 06:58  
 Operator : KP/MD  
 Sample : N2887-19  
 Misc : 5.74g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P040-SS001-1218-01

Quant Time: May 23 02:27:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

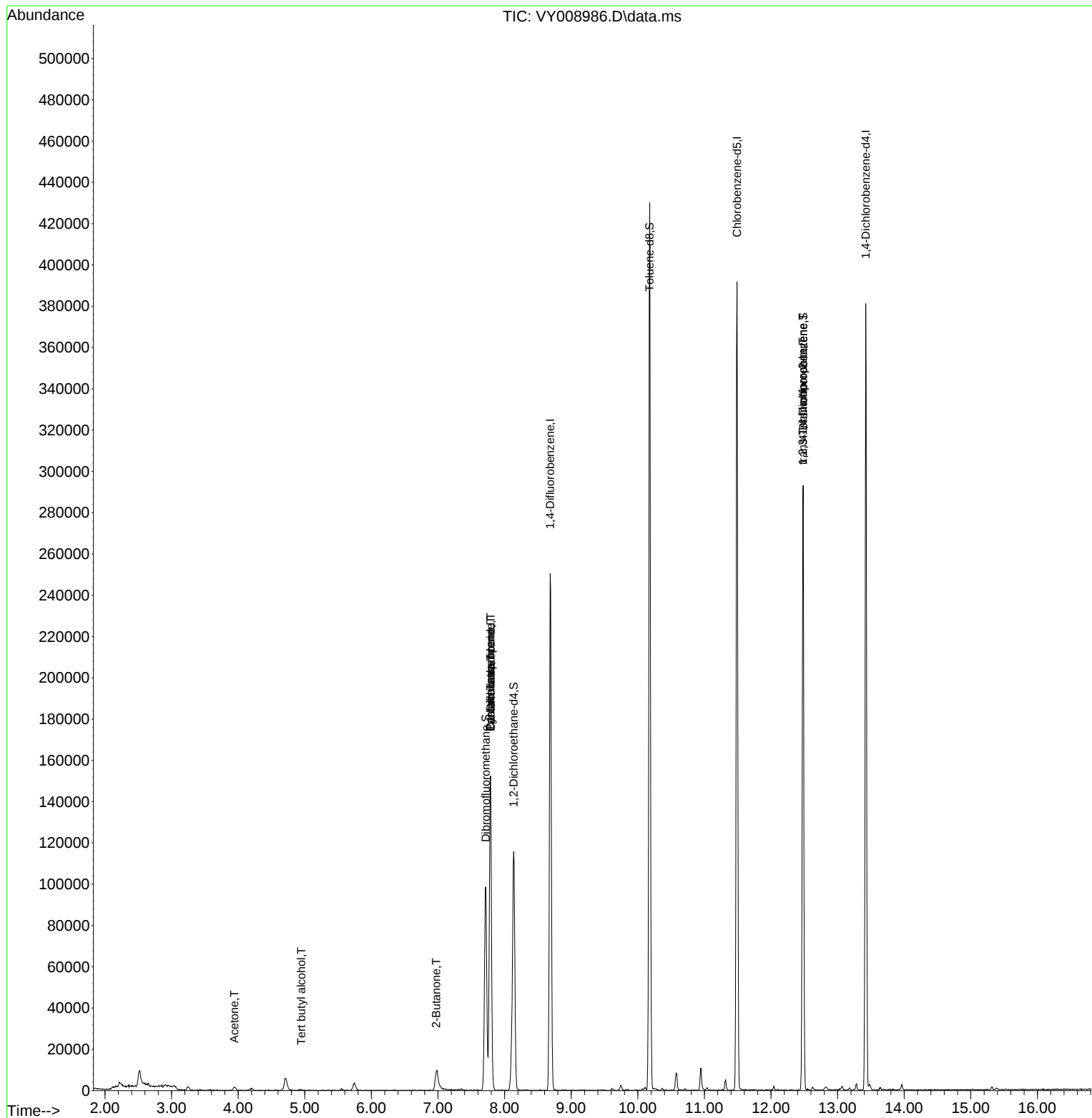
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 115051   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 210854   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 202682   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 88343    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 79281    | 66.955    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 133.920% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 68124    | 51.956    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 103.920% |          |
| 50) Toluene-d8                | 10.179    | 98    | 266143   | 55.021    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 110.040% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 77584    | 39.761    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 79.520%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948     | 59    | 470      | 3.913     | ug/l #     | 77       |
| 16) Acetone                   | 3.942     | 43    | 2673     | 10.845    | ug/l       | 93       |
| 20) Methylene Chloride        | 4.722     | 84    | 4250     | Below Cal | #          | 66       |
| 25) 2-Butanone                | 6.972     | 43    | 445      | 1.011     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.789     | 56    | 2717     | 1.173     | ug/l #     | 48       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 10059    | 4.508     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 11484    | 4.920     | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 44630    | 47.043    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 44630    | 96.557    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

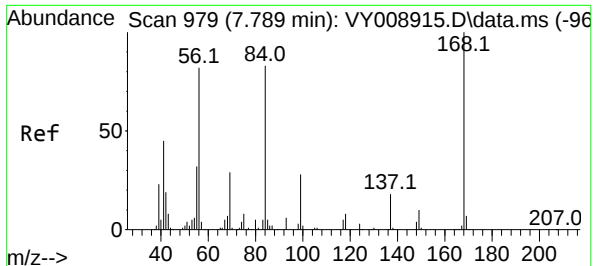
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
P040-SS001-1218-01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

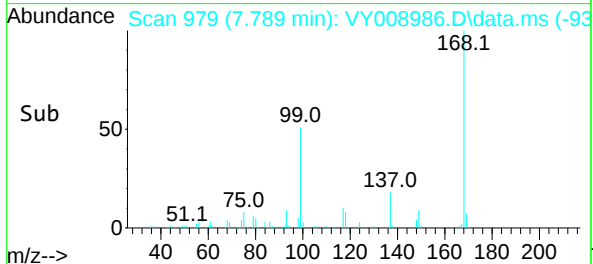
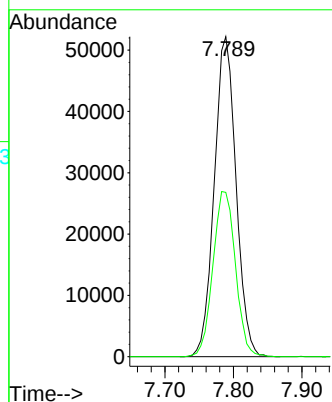
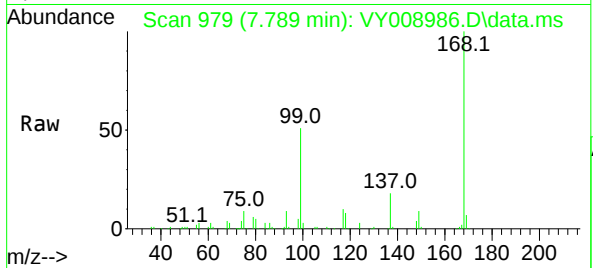




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

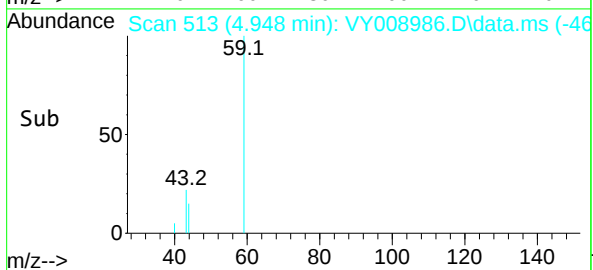
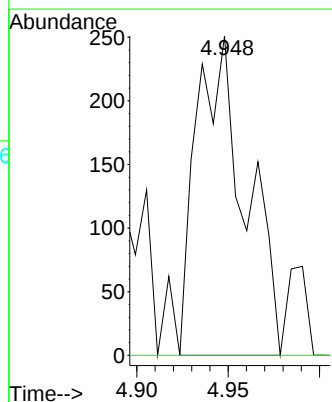
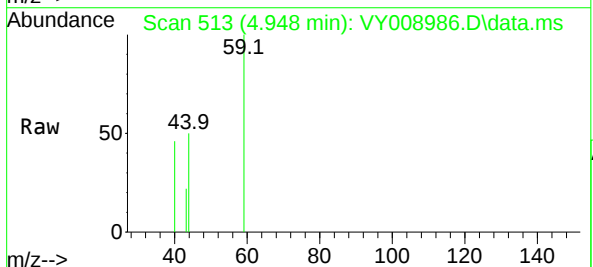
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1218-01

Tgt Ion:168 Resp: 115051  
Ion Ratio Lower Upper  
168 100  
99 51.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 3.913 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

Tgt Ion: 59 Resp: 470  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

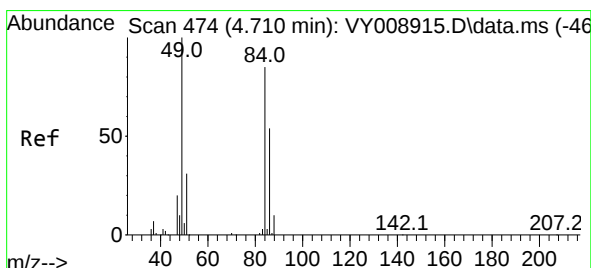
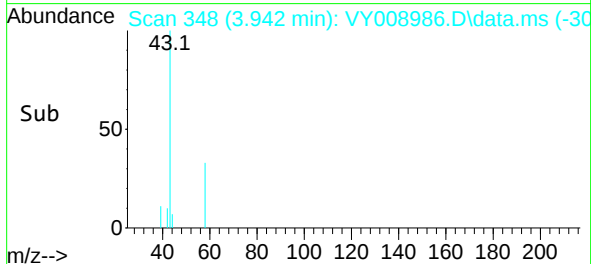
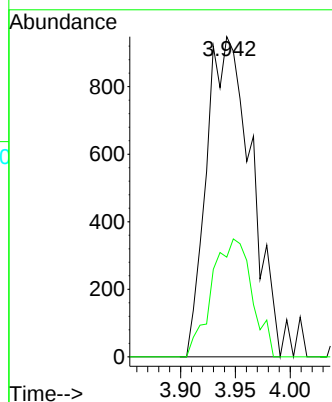
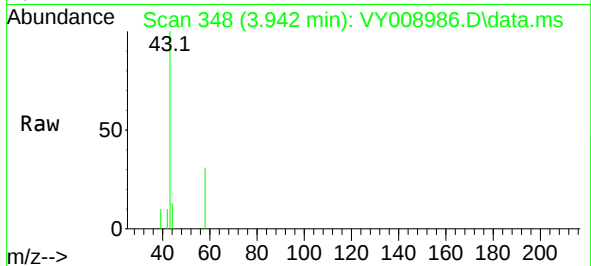




#16  
Acetone  
Concen: 10.845 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

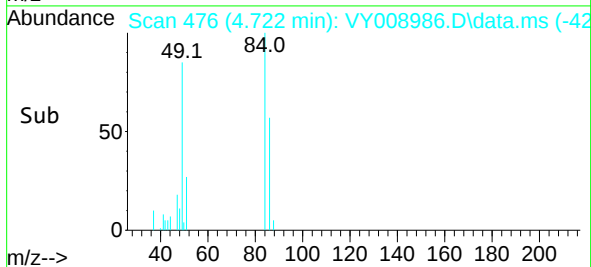
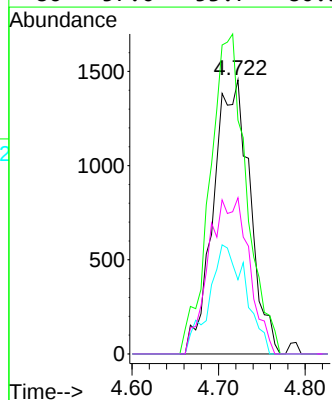
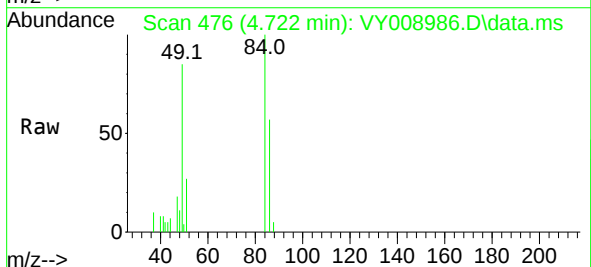
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1218-01

Tgt Ion: 43 Resp: 2673  
Ion Ratio Lower Upper  
43 100  
58 31.1 22.0 33.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.012 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

Tgt Ion: 84 Resp: 4250  
Ion Ratio Lower Upper  
84 100  
49 85.3 114.4 171.6#  
51 27.1 35.3 52.9#  
86 57.0 53.7 80.5

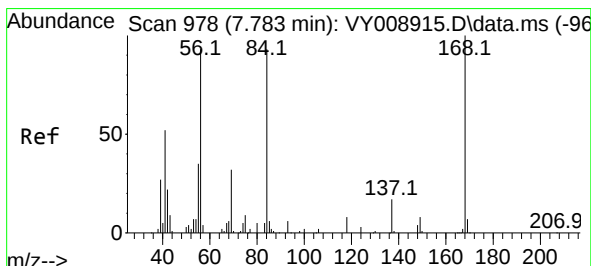
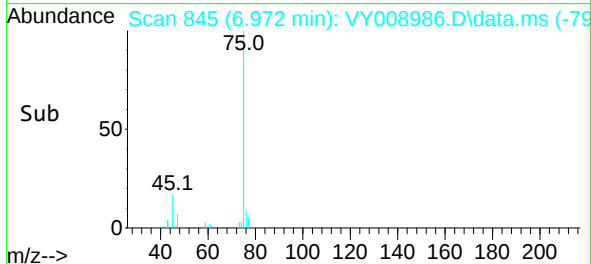
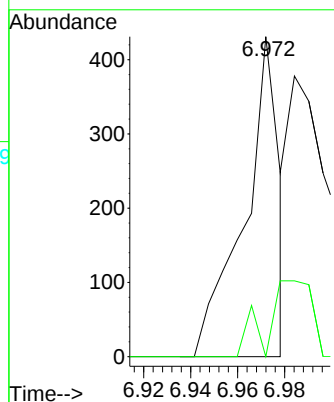
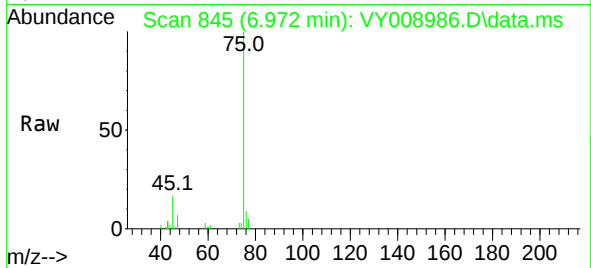




#25  
2-Butanone  
Concen: 1.011 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

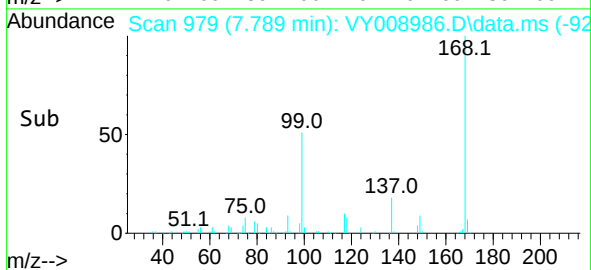
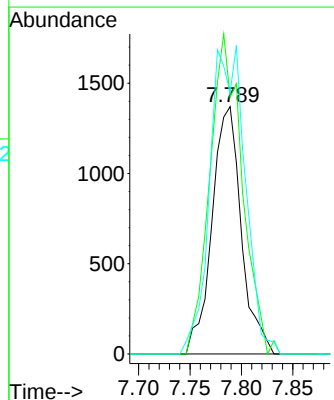
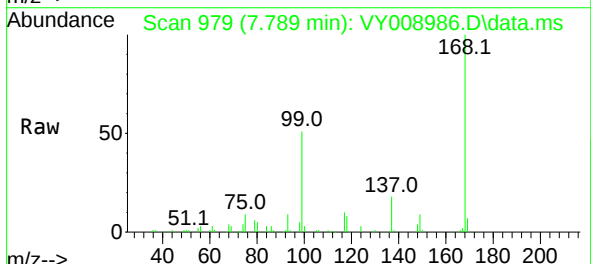
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1218-01

Tgt Ion: 43 Resp: 445  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#31  
Cyclohexane  
Concen: 1.173 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

Tgt Ion: 56 Resp: 2717  
Ion Ratio Lower Upper  
56 100  
69 103.8 26.7 40.1#  
84 105.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.955 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY008986.D

Acq: 22 May 2022 06:58

Instrument :

MSVOA\_Y

ClientSampleId :

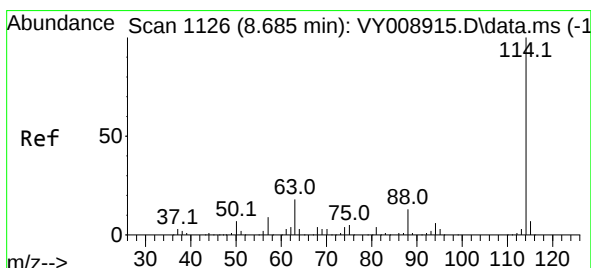
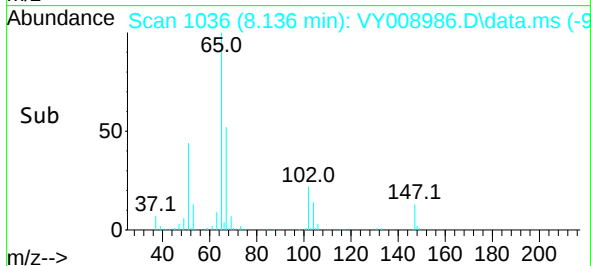
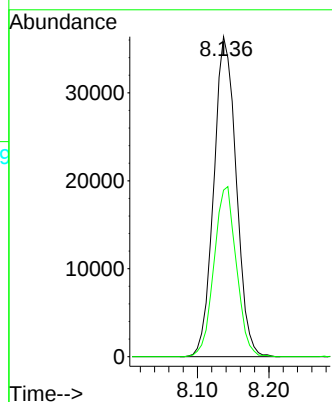
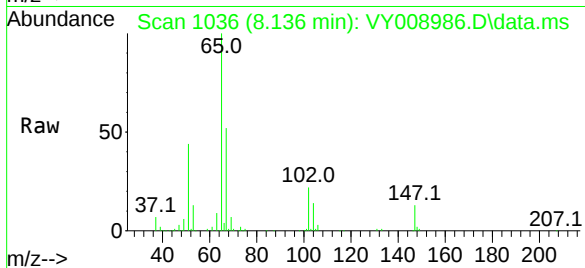
P040-SS001-1218-01

Tgt Ion: 65 Resp: 79281

Ion Ratio Lower Upper

65 100

67 53.0 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: VY008986.D

Acq: 22 May 2022 06:58

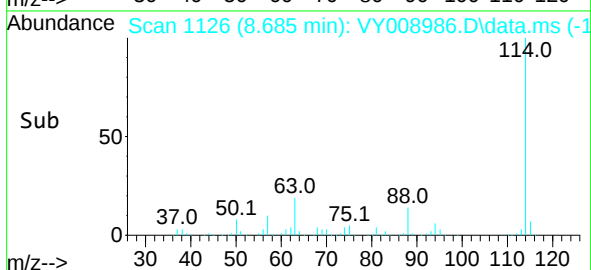
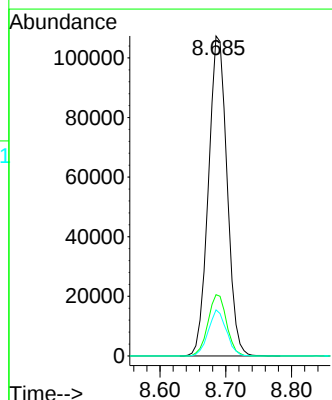
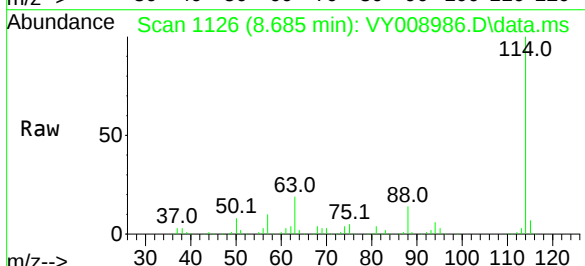
Tgt Ion: 114 Resp: 210854

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.4 0.0 31.8

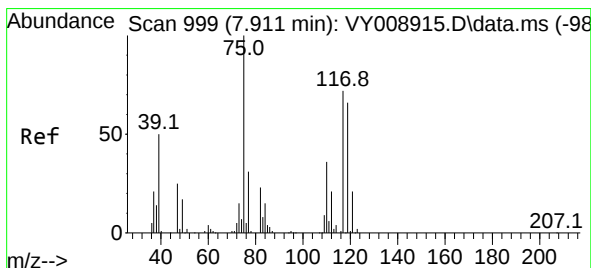
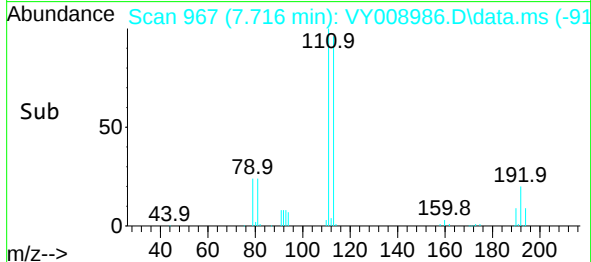
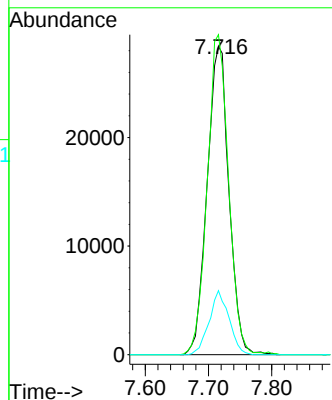
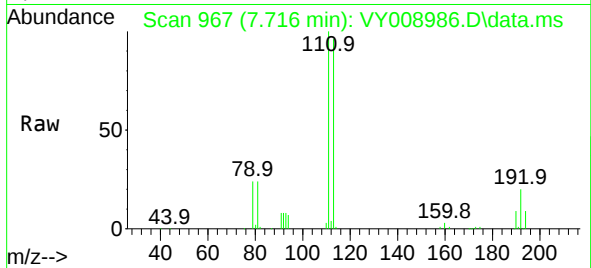




#35  
Dibromofluoromethane  
Concen: 51.956 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

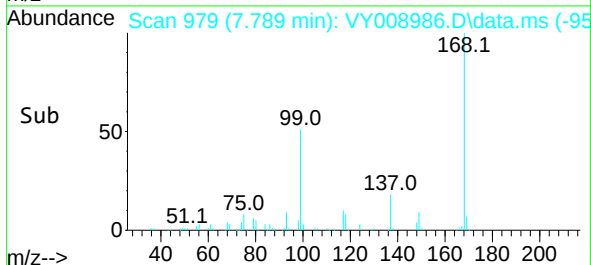
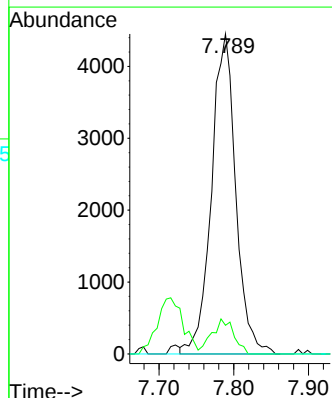
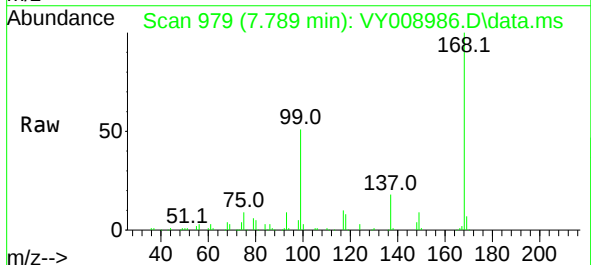
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1218-01

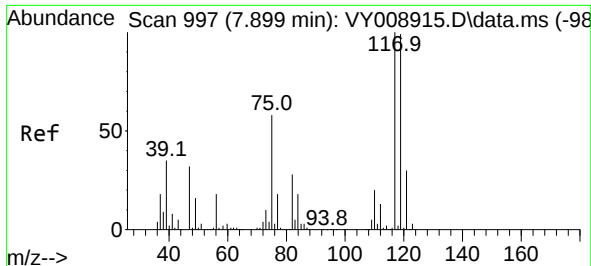
Tgt Ion:113 Resp: 68124  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.6 124.0  
192 18.9 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.508 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

Tgt Ion: 75 Resp: 10059  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.1 51.2#  
77 0.0 24.4 36.6#

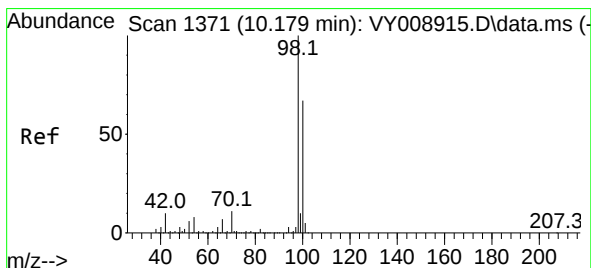
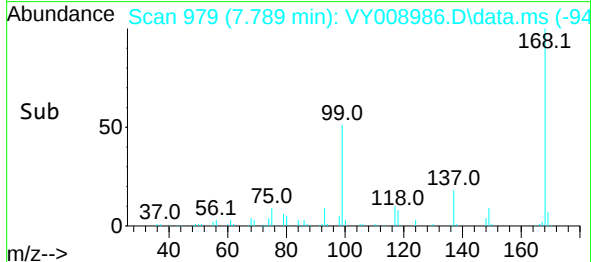
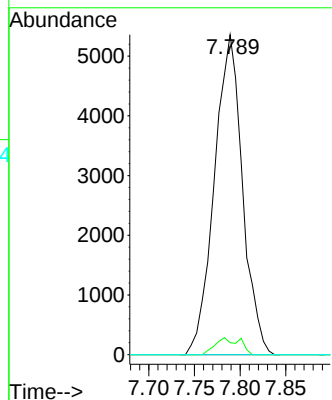
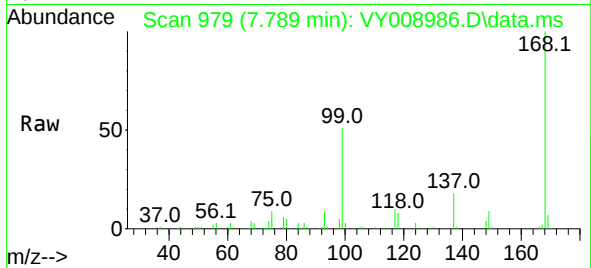




#38  
Carbon Tetrachloride  
Concen: 4.920 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

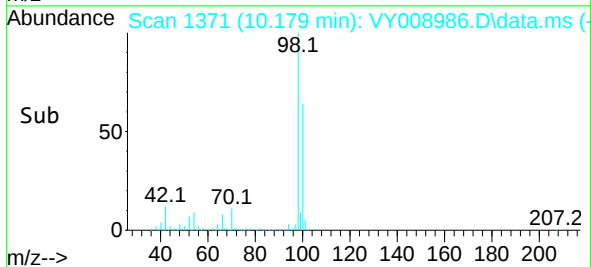
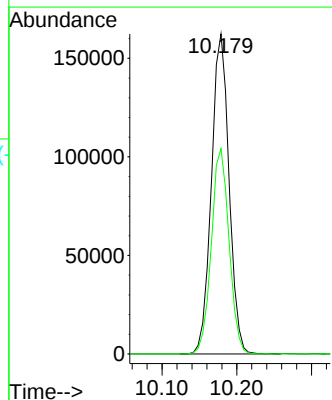
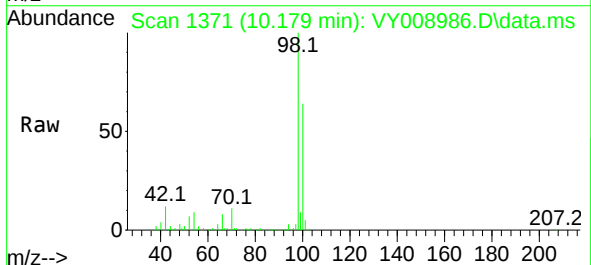
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1218-01

Tgt Ion:117 Resp: 11484  
Ion Ratio Lower Upper  
117 100  
119 3.8 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 55.021 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

Tgt Ion: 98 Resp: 266143  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2

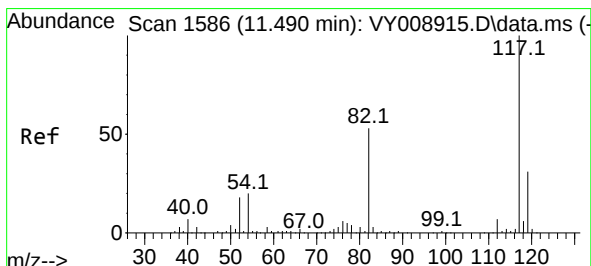
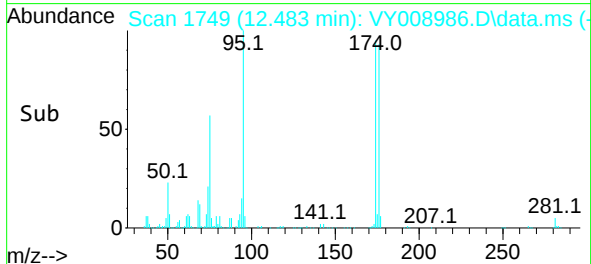
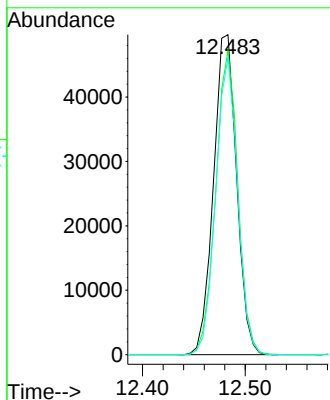
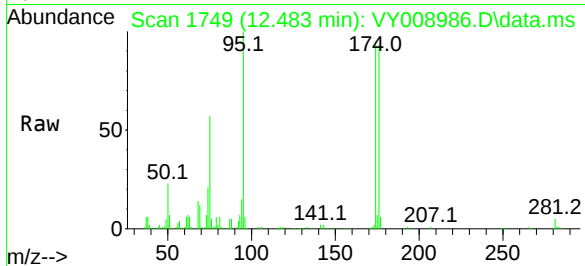




#62  
4-Bromofluorobenzene  
Concen: 39.761 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

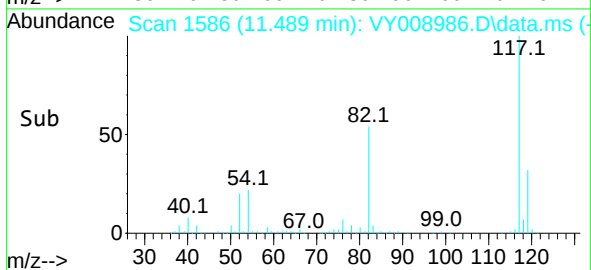
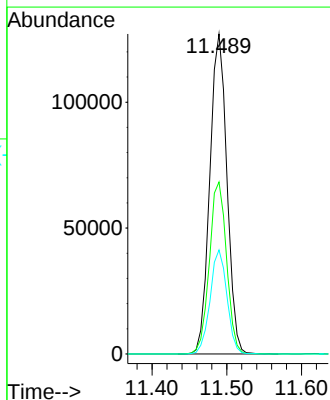
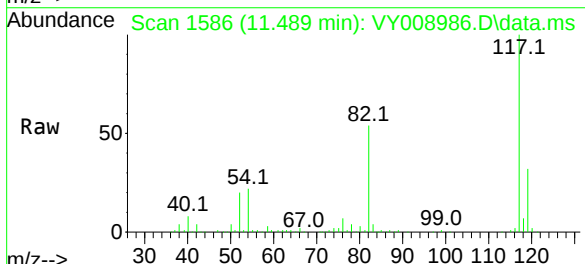
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P040-SS001-1218-01

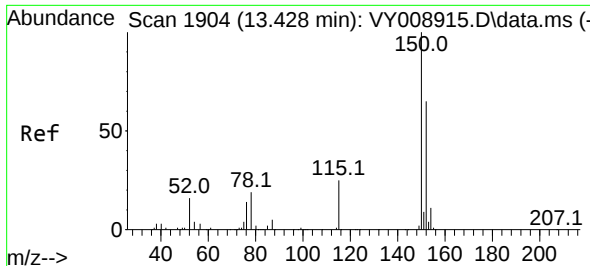
Tgt Ion: 95 Resp: 77584  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 177.0  
176 87.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY008986.D  
Acq: 22 May 2022 06:58

Tgt Ion: 117 Resp: 202682  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.0 64.4  
119 32.5 25.4 38.0

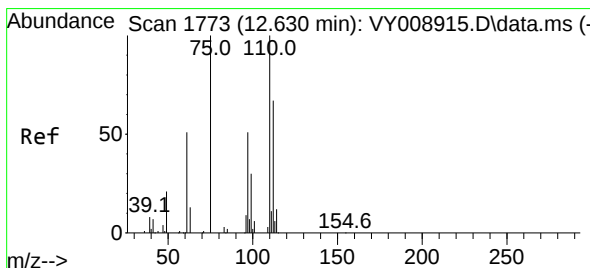
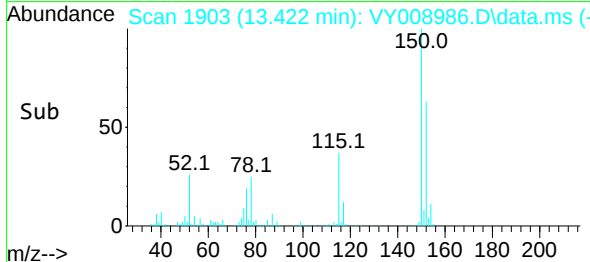
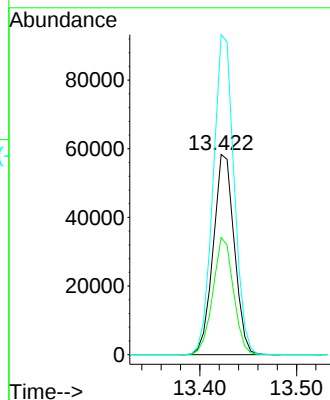
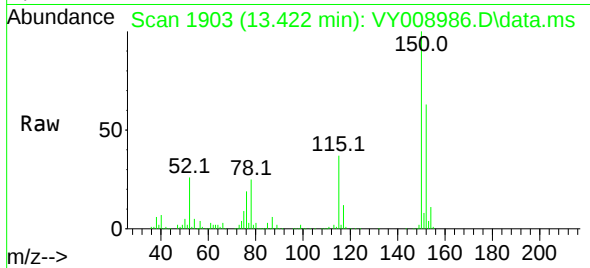




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: VY008986.D  
 Acq: 22 May 2022 06:58

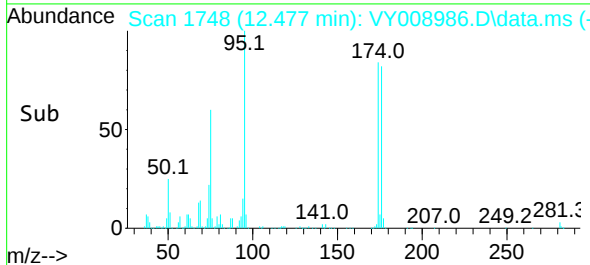
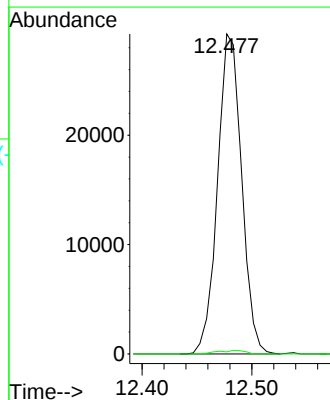
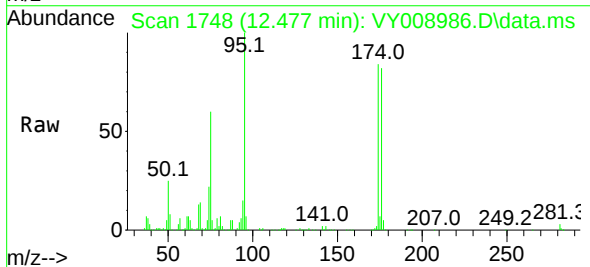
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P040-SS001-1218-01

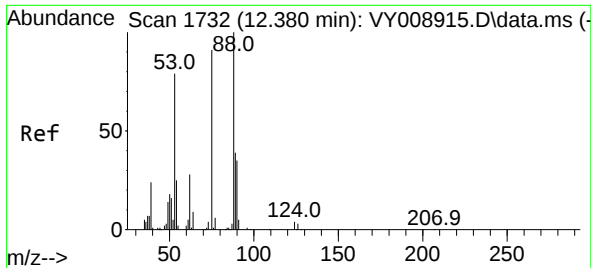
Tgt Ion:152 Resp: 88343  
 Ion Ratio Lower Upper  
 152 100  
 115 57.0 28.2 84.7  
 150 158.7 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 47.043 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY008986.D  
 Acq: 22 May 2022 06:58

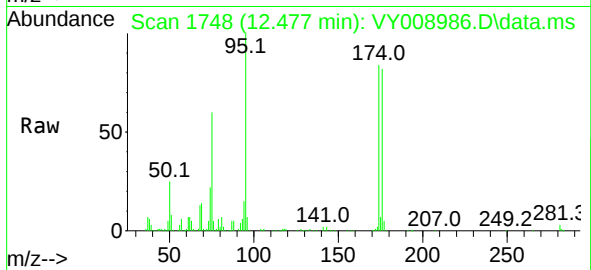
Tgt Ion: 75 Resp: 44630  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 96.557 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY008986.D  
 Acq: 22 May 2022 06:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P040-SS001-1218-01



Tgt Ion: 75 Resp: 44630  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 85.3 127.9#  
 89 0.1 37.0 55.4#

