

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050223\  
 Data File : VY013552.D  
 Acq On : 02 May 2023 13:26  
 Operator : KP/MD  
 Sample : 02570-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB-1

Quant Time: May 03 01:33:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

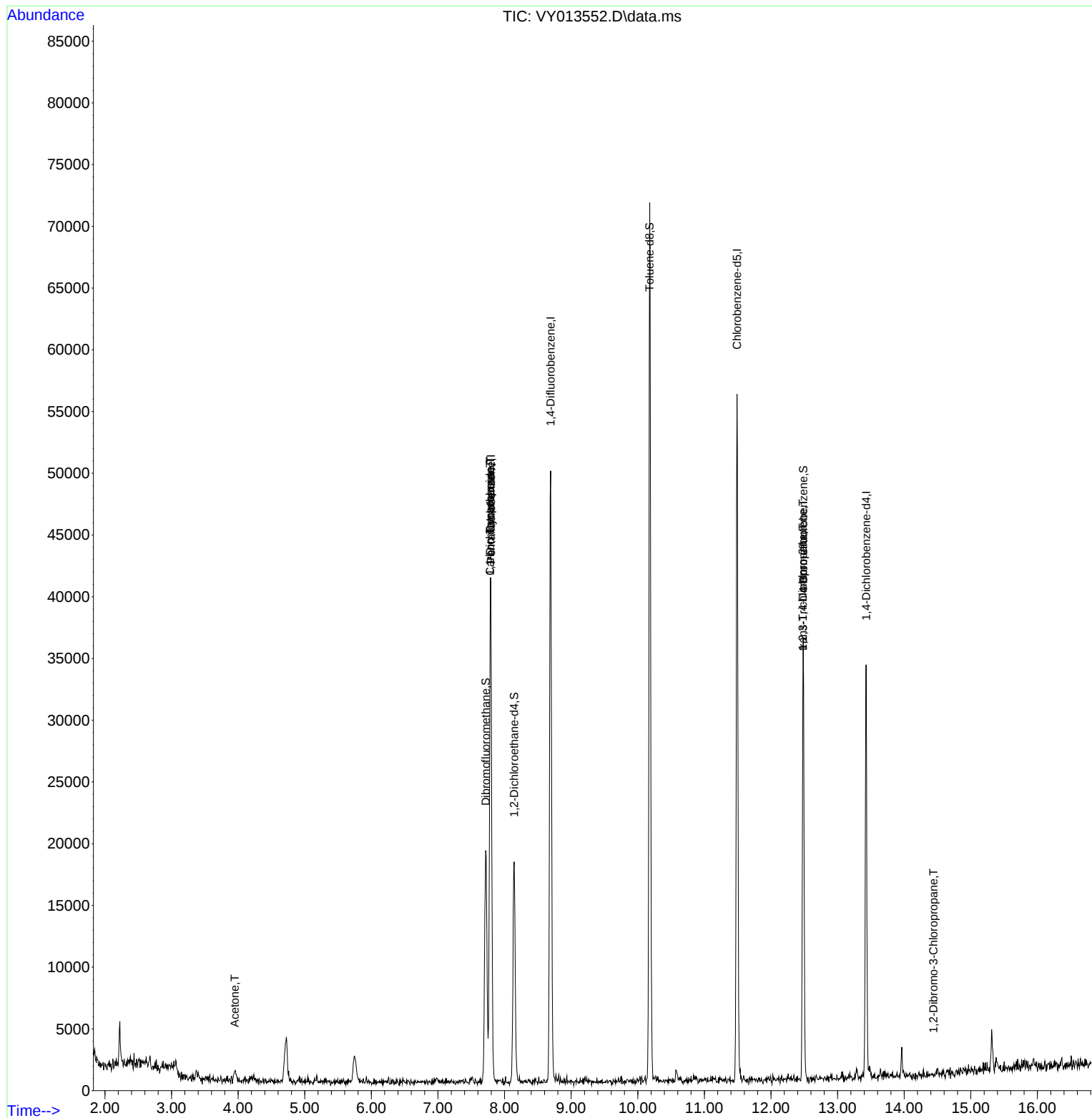
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 31867    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 42564    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 30669    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 9145     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 15042    | 43.059    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 86.120%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 13466    | 50.301    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 100.600% |
| 50) Toluene-d8                | 10.179 | 98    | 47497    | 49.874    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 99.740%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 9973     | 31.063    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 62.120%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 3.948  | 43    | 1232     | 8.955     | ug/l   | 98       |
| 20) Methylene Chloride        | 4.723  | 84    | 2487     | Below Cal |        | 93       |
| 31) Cyclohexane               | 7.789  | 56    | 735      | 1.175     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 2480     | 5.582     | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 3213     | 6.900     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 5029     | 40.776    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 5029     | 83.410    | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75    | 44       | 1.474     | ug/l # | 1        |
| -----                         |        |       |          |           |        |          |

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

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Sample : 02570-01  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-1

Quant Time: May 03 01:33:14 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

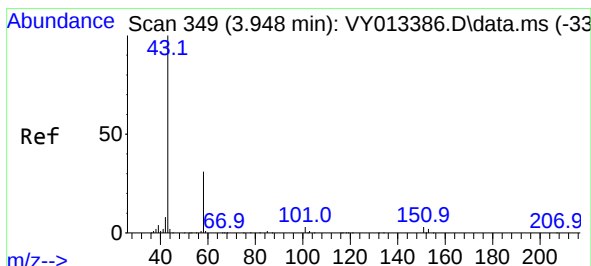
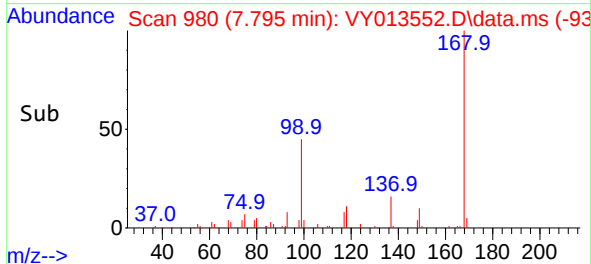
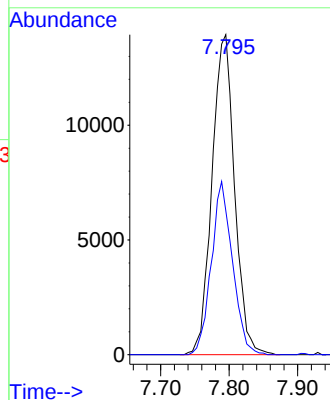
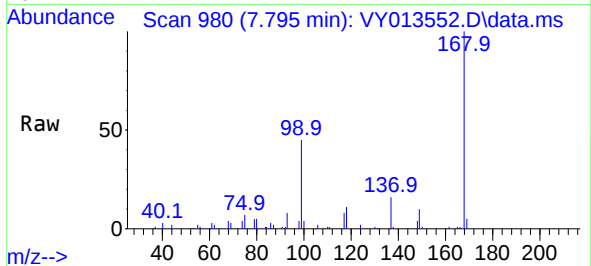




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

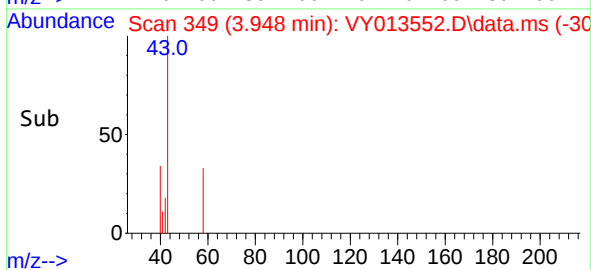
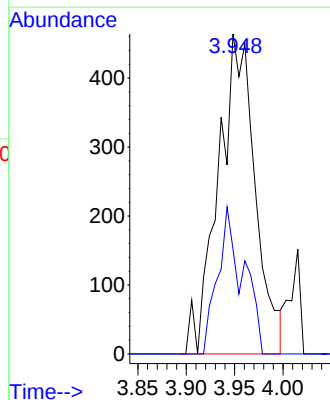
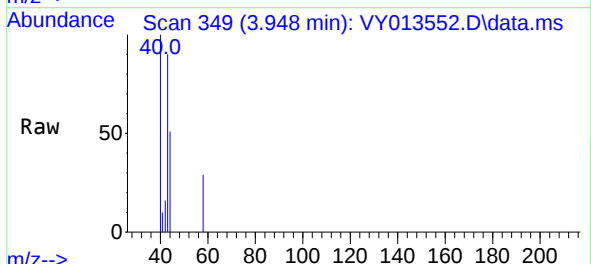
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-1

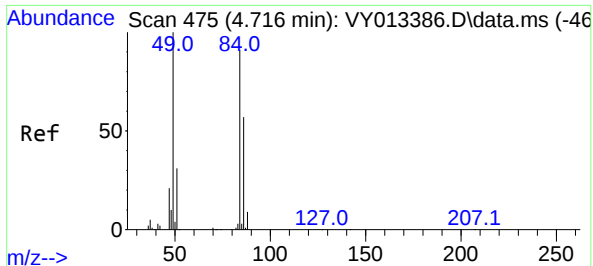
Tgt Ion:168 Resp: 31867  
Ion Ratio Lower Upper  
168 100  
99 45.0 41.8 62.6



#16  
Acetone  
Concen: 8.955 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Tgt Ion: 43 Resp: 1232  
Ion Ratio Lower Upper  
43 100  
58 32.8 25.4 38.0



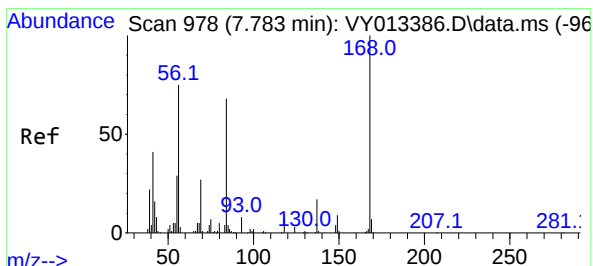
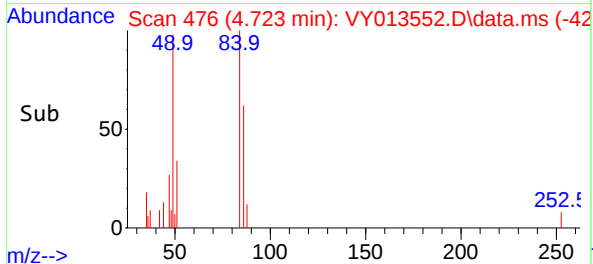
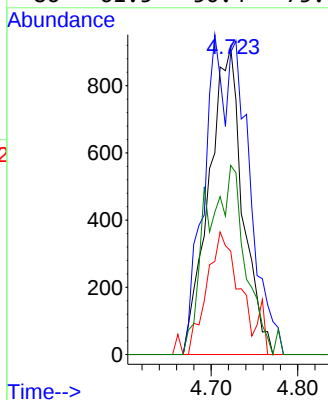
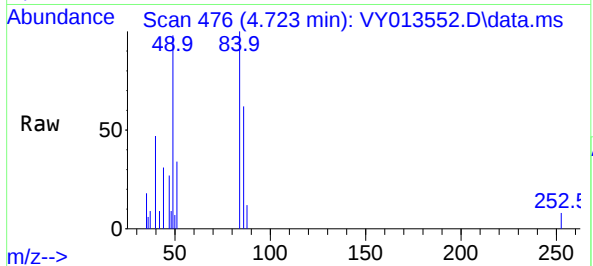


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.723 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-1

Tgt Ion: 84 Resp: 2487

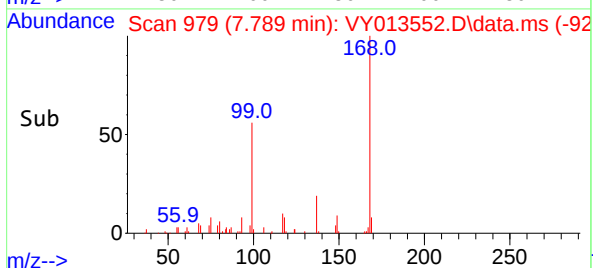
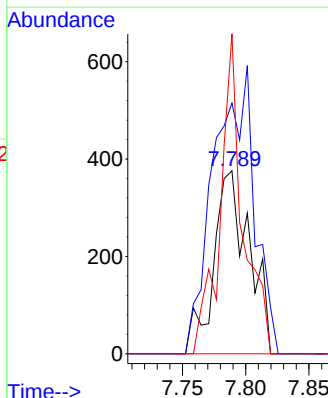
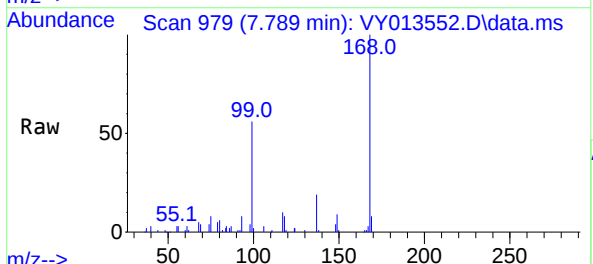
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 98.3  | 88.0  | 132.0 |
| 51  | 33.7  | 27.4  | 41.0  |
| 86  | 61.5  | 50.4  | 75.6  |

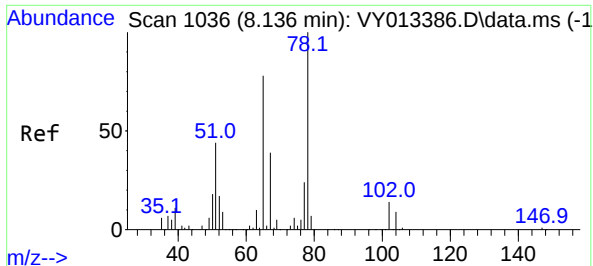


#31  
Cyclohexane  
Concen: 1.175 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Tgt Ion: 56 Resp: 735

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 137.0 | 29.2  | 43.8#  |
| 84  | 174.7 | 73.0  | 109.6# |





#33

1,2-Dichloroethane-d4

Concen: 43.059 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY013552.D

Acq: 02 May 2023 13:26

Instrument :

MSVOA\_Y

ClientSampleId :

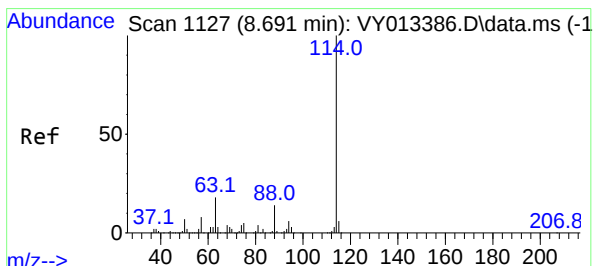
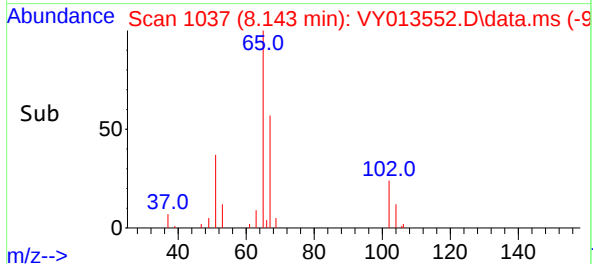
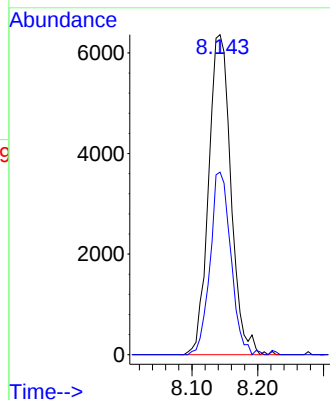
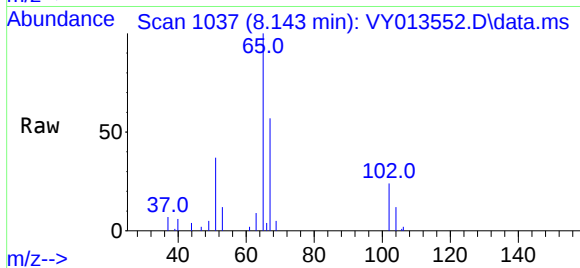
RB-1

Tgt Ion: 65 Resp: 15042

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013552.D

Acq: 02 May 2023 13:26

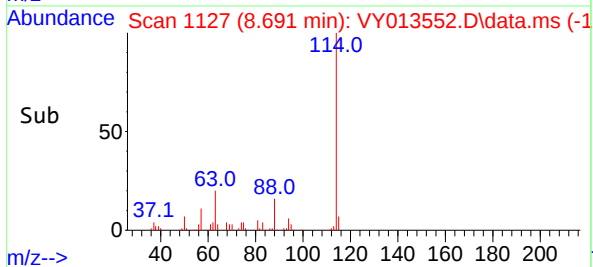
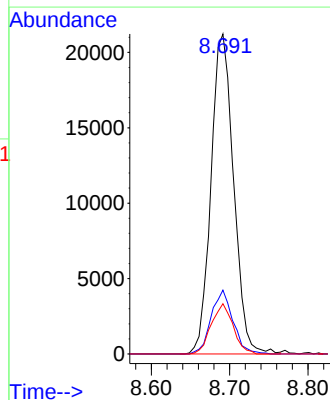
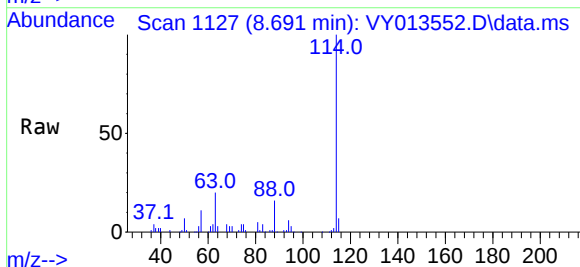
Tgt Ion: 114 Resp: 42564

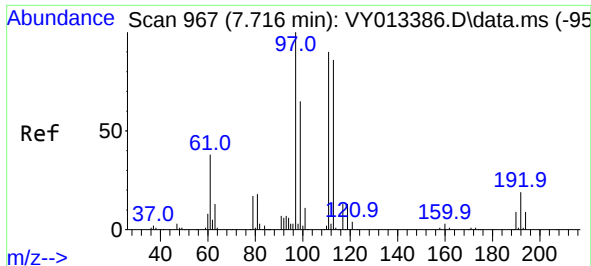
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 15.7 0.0 28.8

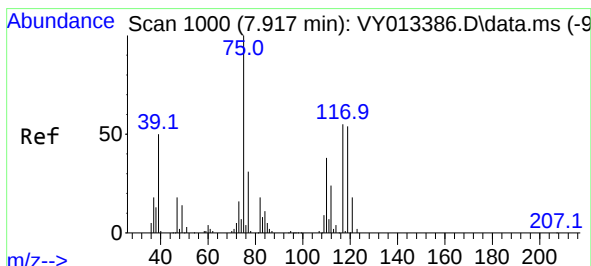
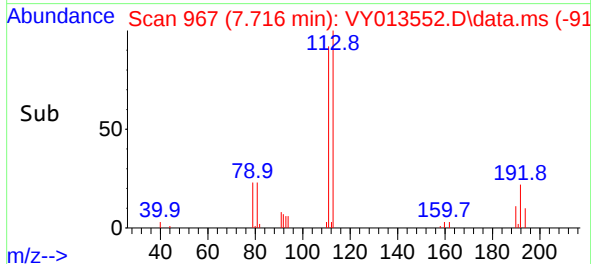
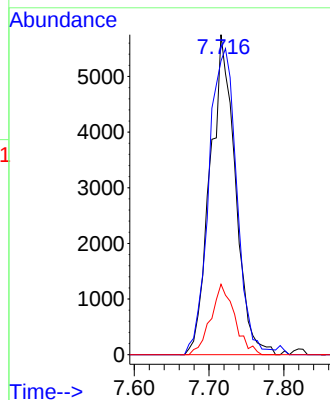
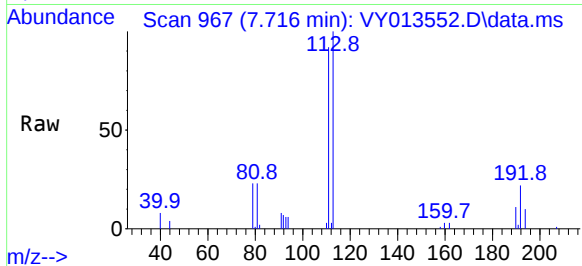




#35  
Dibromofluoromethane  
Concen: 50.301 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

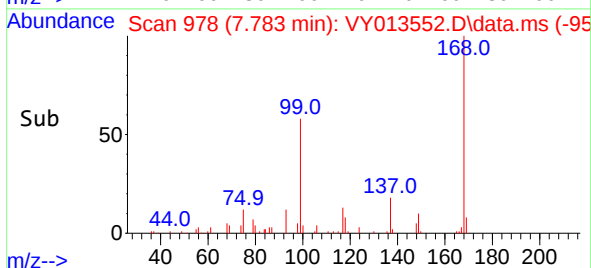
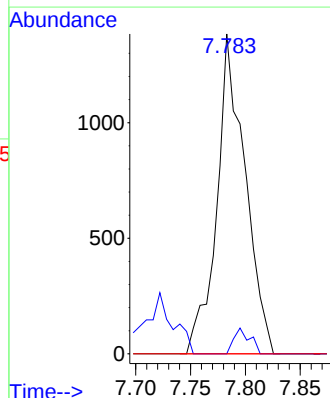
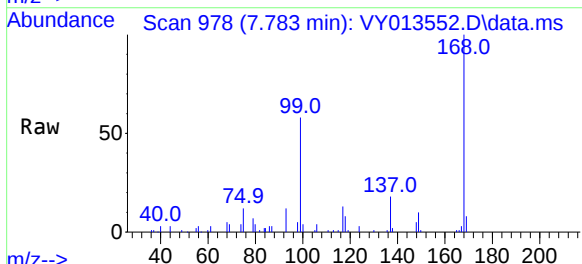
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-1

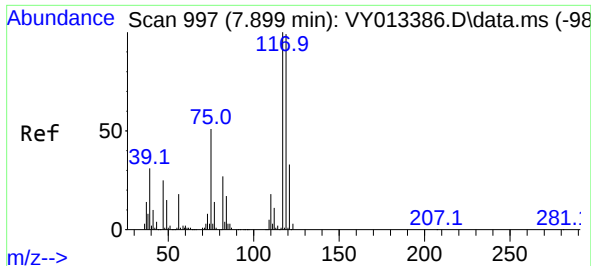
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 13466 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.6 | 82.2  | 123.2 |
| 192      | 20.9  | 16.7  | 25.1  |



#36  
1,1-Dichloropropene  
Concen: 5.582 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2480  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 4.6   | 18.7  | 56.1# |
| 77       | 0.0   | 24.6  | 37.0# |

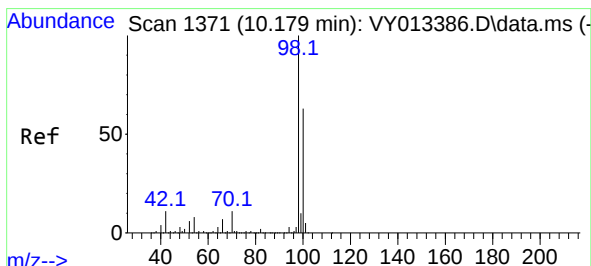
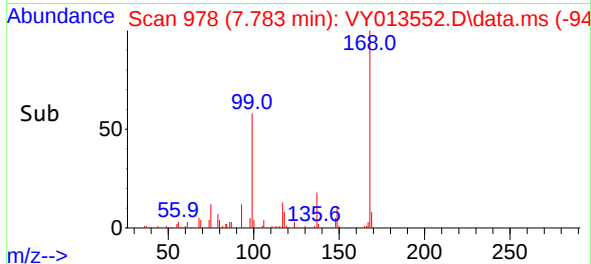
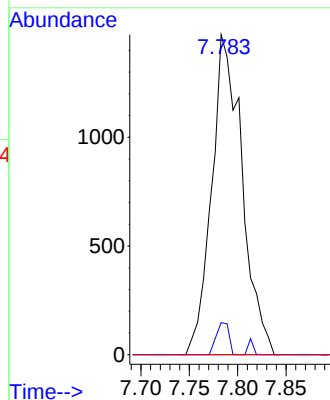
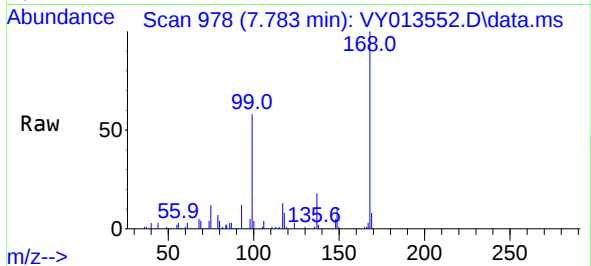




#38  
Carbon Tetrachloride  
Concen: 6.900 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

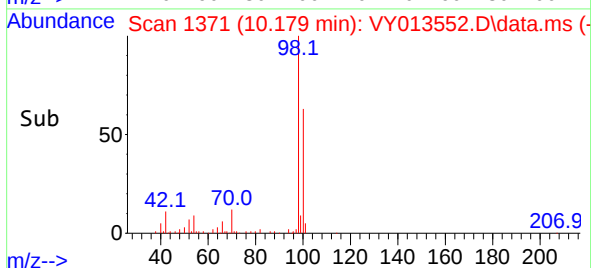
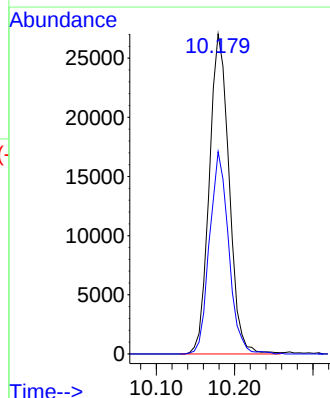
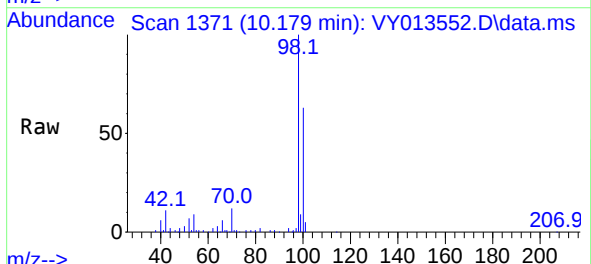
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-1

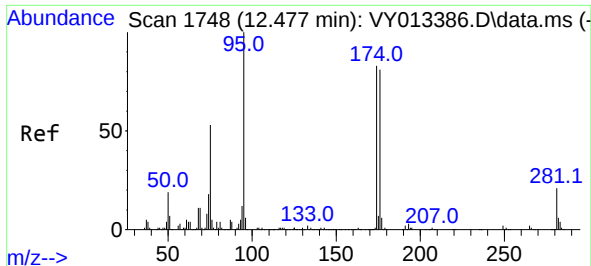
Tgt Ion:117 Resp: 3213  
Ion Ratio Lower Upper  
117 100  
119 10.0 79.0 118.6#  
121 0.0 26.6 40.0#



#50  
Toluene-d8  
Concen: 49.874 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Tgt Ion: 98 Resp: 47497  
Ion Ratio Lower Upper  
98 100  
100 61.2 50.5 75.7

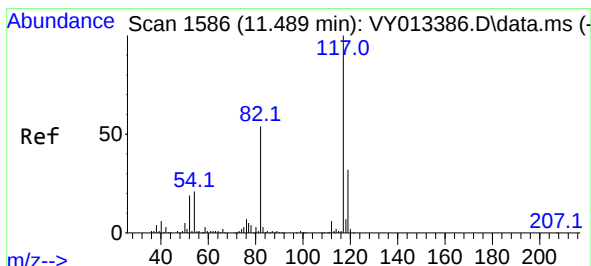
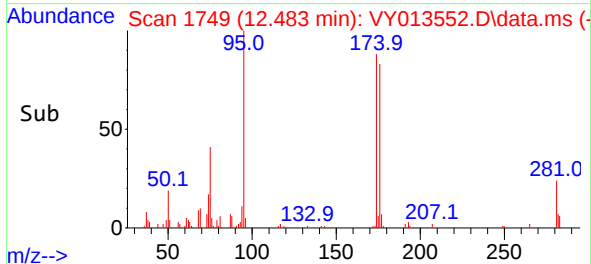
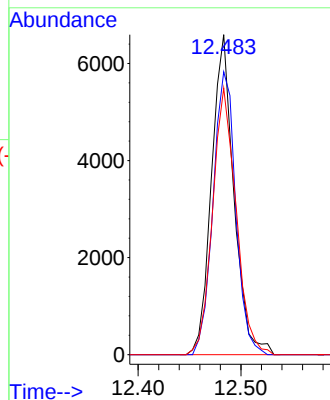
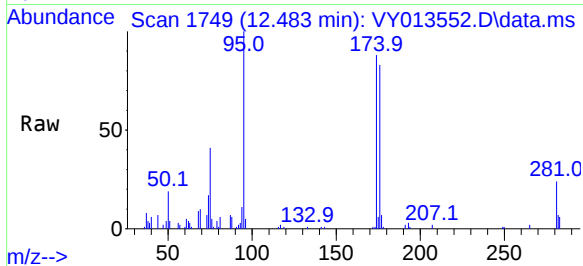




#62  
4-Bromofluorobenzene  
Concen: 31.063 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

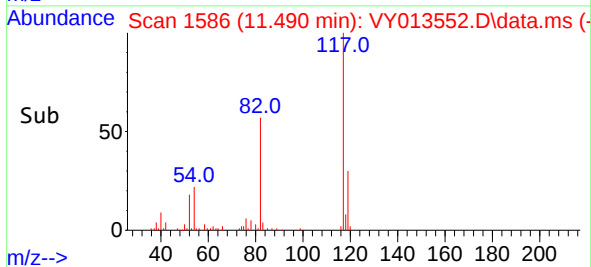
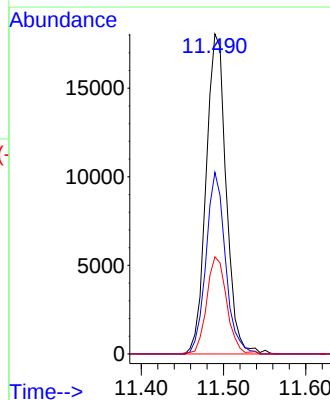
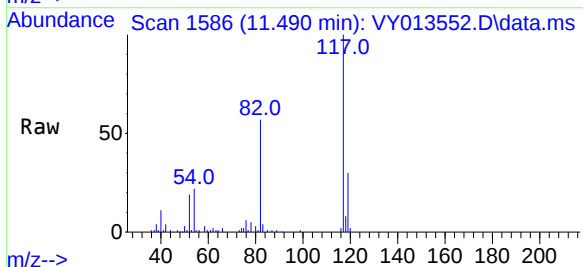
Instrument :  
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ClientSampleId :  
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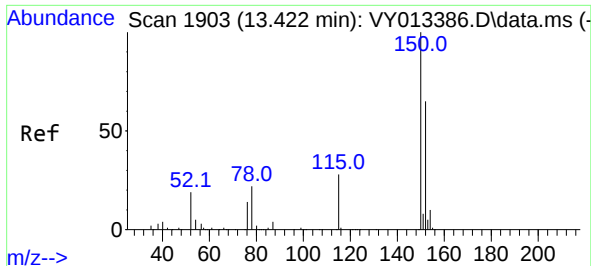
Tgt Ion: 95 Resp: 9973  
Ion Ratio Lower Upper  
95 100  
174 89.4 0.0 182.0  
176 87.6 0.0 175.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Tgt Ion: 117 Resp: 30669  
Ion Ratio Lower Upper  
117 100  
82 56.8 43.0 64.6  
119 30.3 25.5 38.3

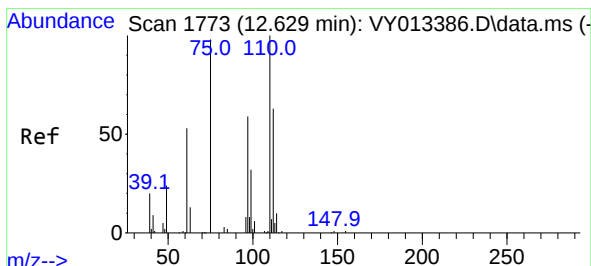
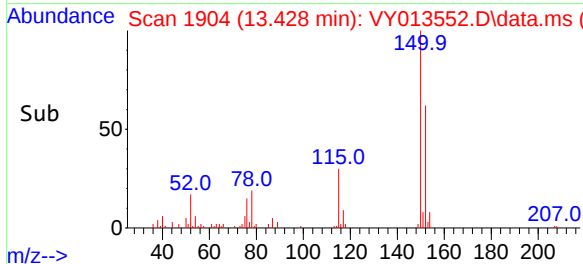
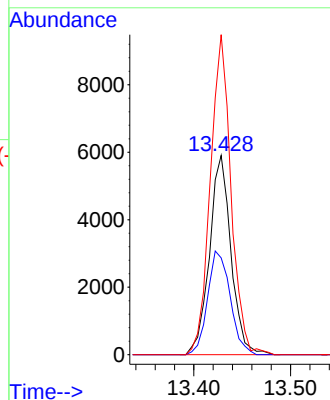
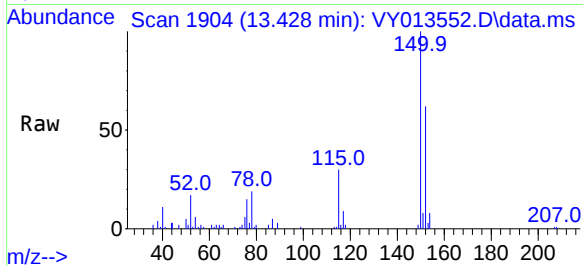




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1903  
Delta R.T. 0.006 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

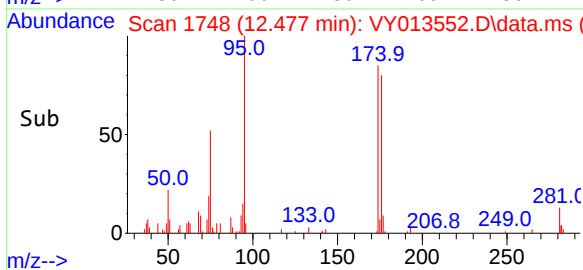
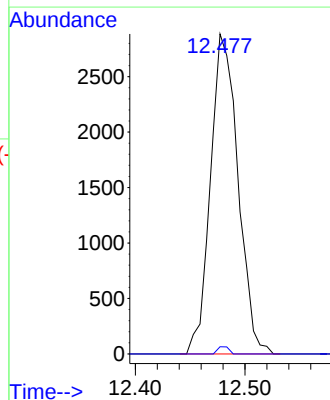
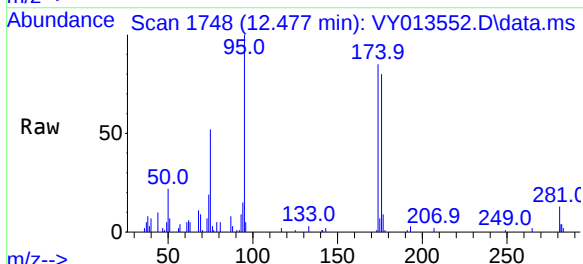
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-1

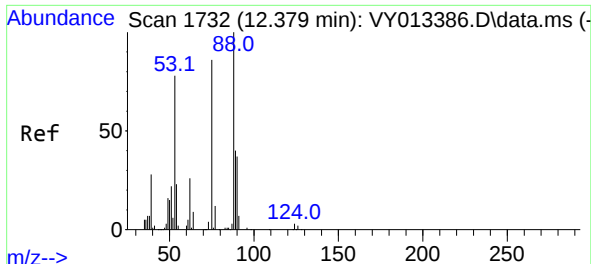
Tgt Ion:152 Resp: 9145  
Ion Ratio Lower Upper  
152 100  
115 54.5 28.1 84.2  
150 154.4 0.0 352.0



#76  
1,2,3-Trichloropropane  
Concen: 40.776 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Tgt Ion: 75 Resp: 5029  
Ion Ratio Lower Upper  
75 100  
77 0.9 0.0 0.0#

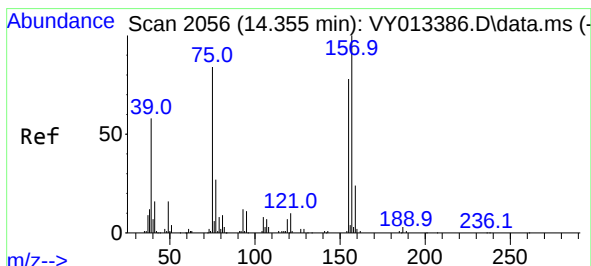
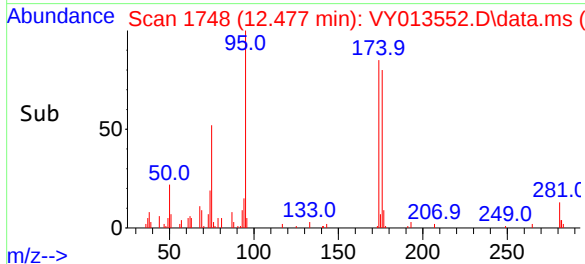
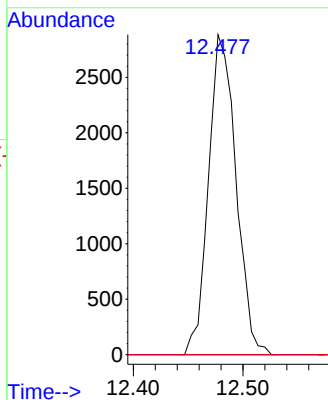
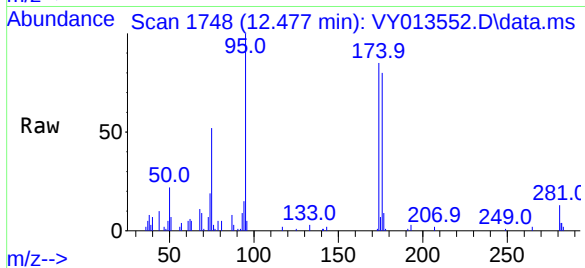




#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.410 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-1

Tgt Ion: 75 Resp: 5029  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.2 109.8#  
89 0.0 38.0 57.0#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.474 ug/l  
RT: 14.440 min Scan# 2070  
Delta R.T. 0.085 min  
Lab File: VY013552.D  
Acq: 02 May 2023 13:26

Tgt Ion: 75 Resp: 44  
Ion Ratio Lower Upper  
75 100  
155 0.0 44.6 134.0#  
157 0.0 57.6 172.7#

