

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091721\  
 Data File : VY006079.D  
 Acq On : 17 Sep 2021 18:42  
 Operator : SY/MD  
 Sample : M3786-01  
 Misc : 4.61G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-26878

Quant Time: Sep 20 01:43:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 2021  
 Response via : Initial Calibration

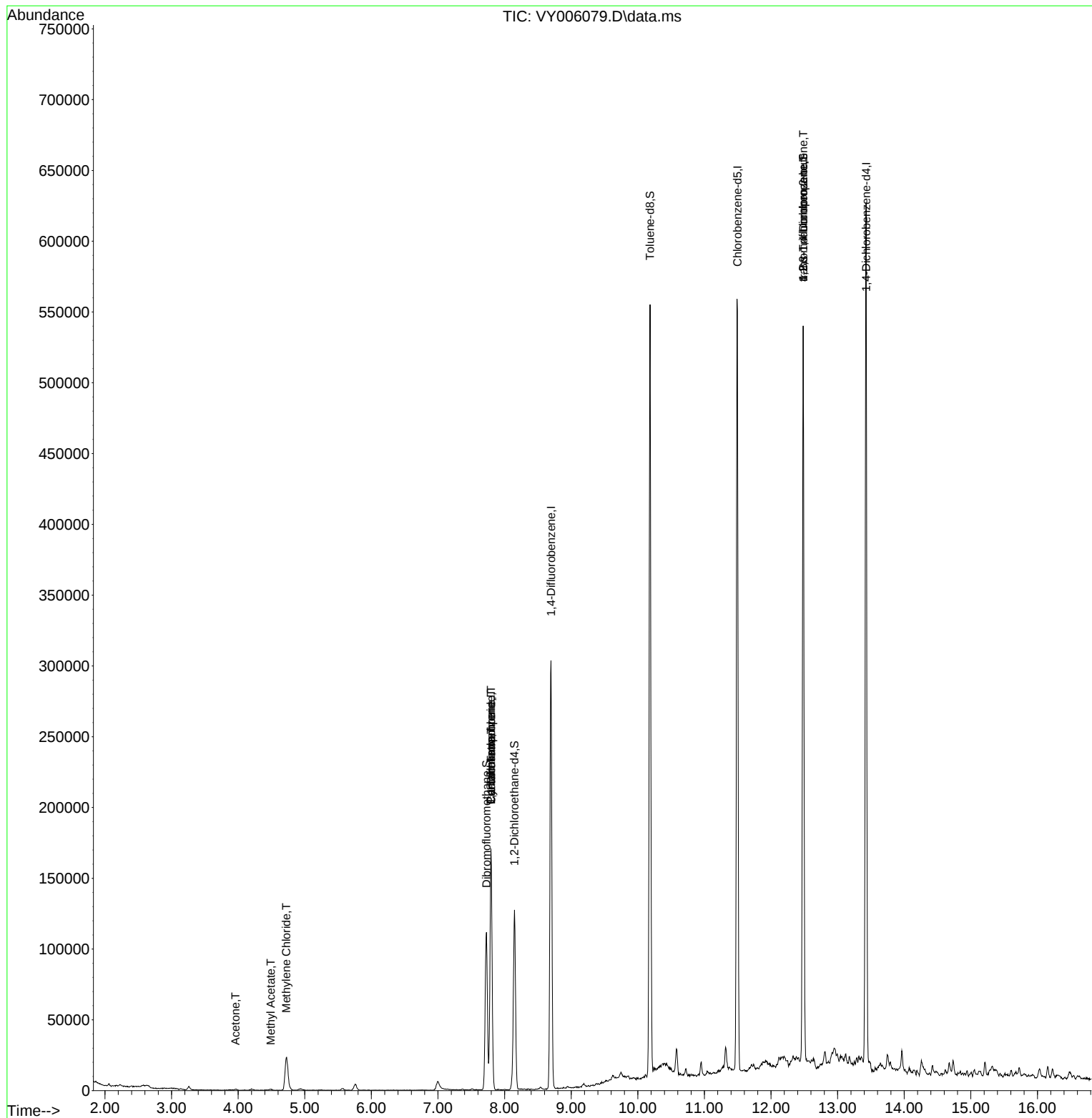
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 127636   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 241372   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 279475   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 146424   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.148  | 65    | 99243    | 55.977    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 111.960% |
| 35) Dibromofluoromethane      | 7.728  | 113   | 74812    | 49.901    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 99.800%  |
| 50) Toluene-d8                | 10.184 | 98    | 329516   | 51.570    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 103.140% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 137723   | 63.484    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 126.960% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.948  | 59    | 1344     | Below Cal | #      | 77       |
| 16) Acetone                   | 3.960  | 43    | 1355     | 2.786     | ug/l # | 70       |
| 18) Methyl Acetate            | 4.490  | 43    | 1385     | 1.131     | ug/l # | 78       |
| 20) Methylene Chloride        | 4.722  | 84    | 16527    | 6.885     | ug/l   | 97       |
| 31) Cyclohexane               | 7.795  | 56    | 3498     | 1.232     | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 10582    | 4.062     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 12937    | 4.561     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 79918    | 51.191    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 79918    | 94.116    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

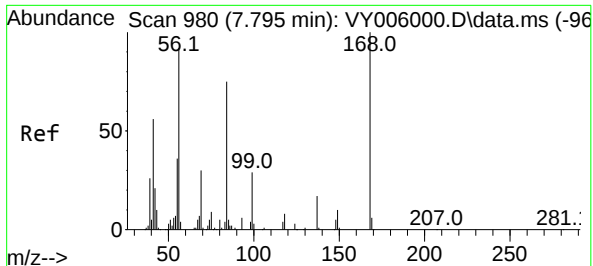
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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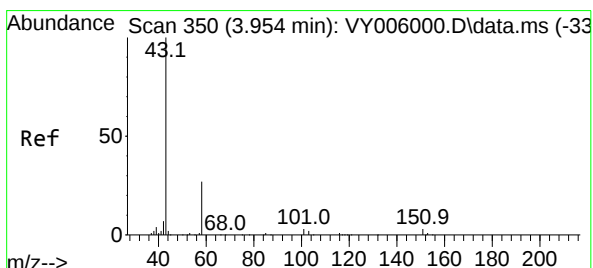
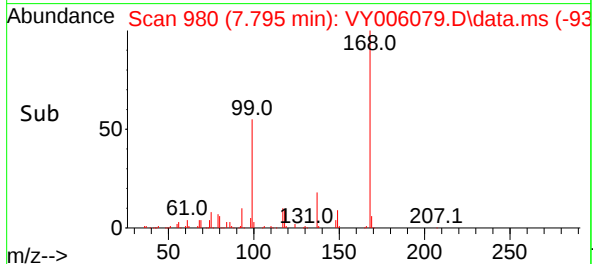
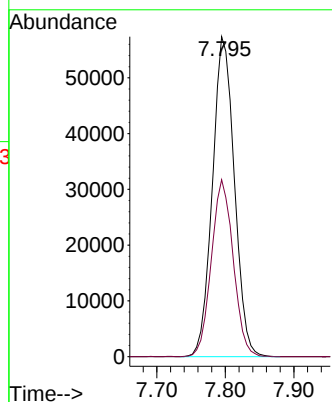
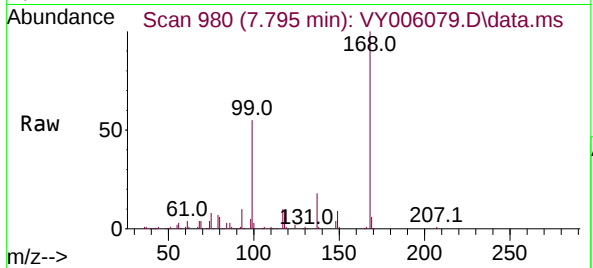




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

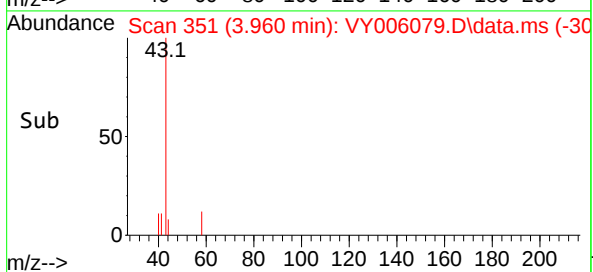
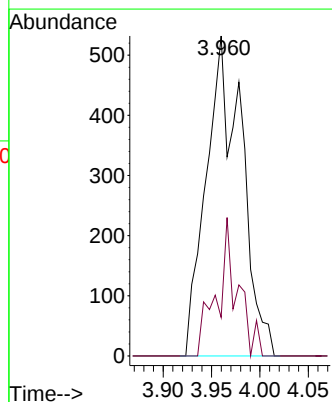
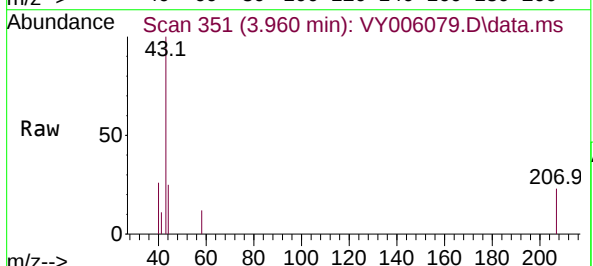
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-26878

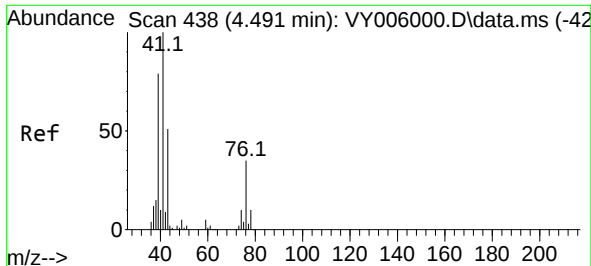
Tgt Ion:168 Resp: 127636  
Ion Ratio Lower Upper  
168 100  
99 55.3 46.9 70.3



#16  
Acetone  
Concen: 2.786 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

Tgt Ion: 43 Resp: 1355  
Ion Ratio Lower Upper  
43 100  
58 12.0 22.0 33.0#

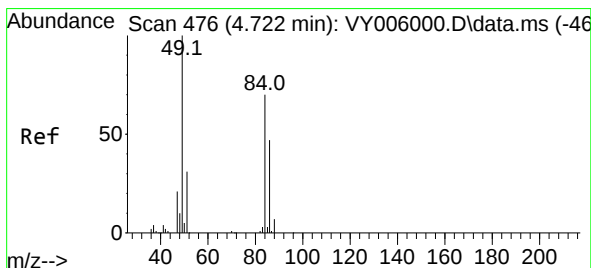
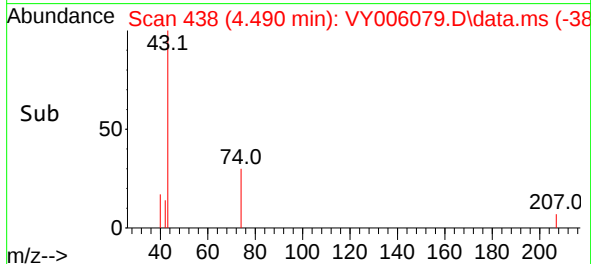
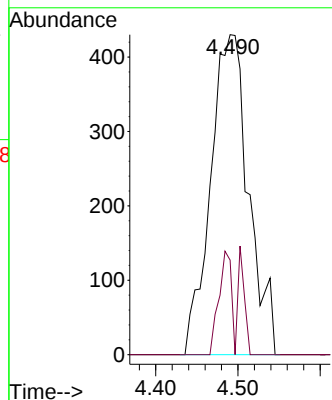
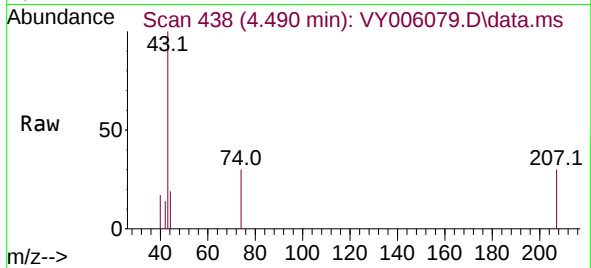




#18  
Methyl Acetate  
Concen: 1.131 ug/l  
RT: 4.490 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

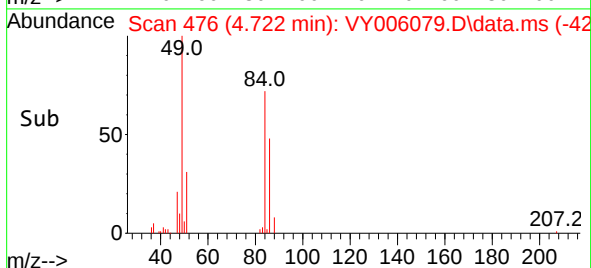
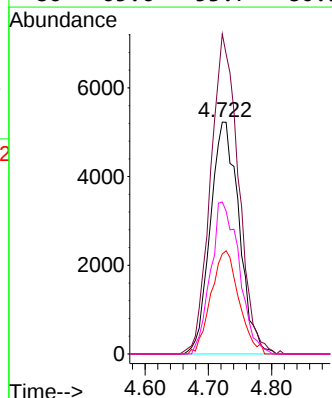
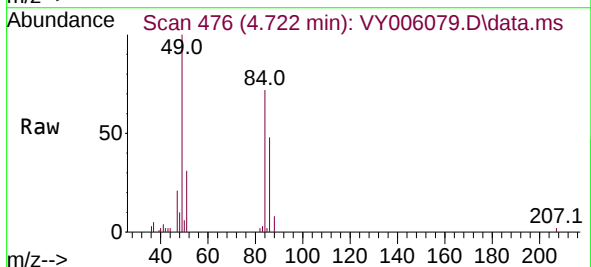
Instrument :  
MSVOA\_Y  
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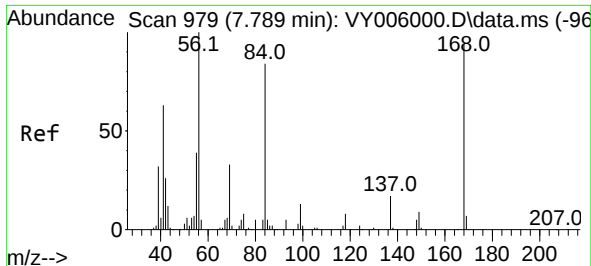
Tgt Ion: 43 Resp: 1385  
Ion Ratio Lower Upper  
43 100  
74 10.5 16.6 24.8#



#20  
Methylene Chloride  
Concen: 6.885 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

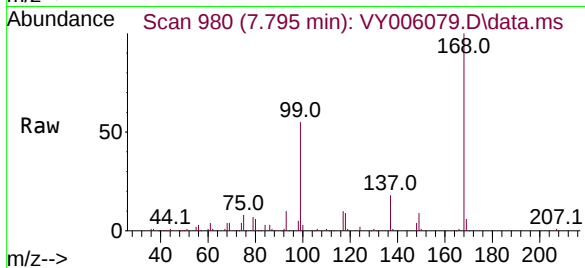
Tgt Ion: 84 Resp: 16527  
Ion Ratio Lower Upper  
84 100  
49 138.0 114.4 171.6  
51 43.1 35.3 52.9  
86 65.6 53.7 80.5



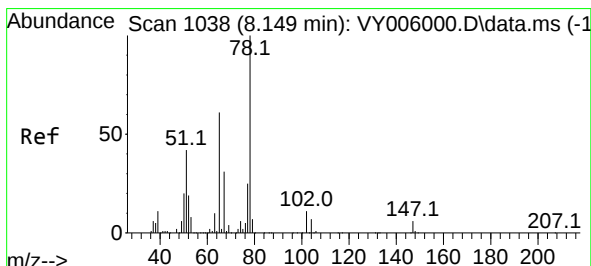
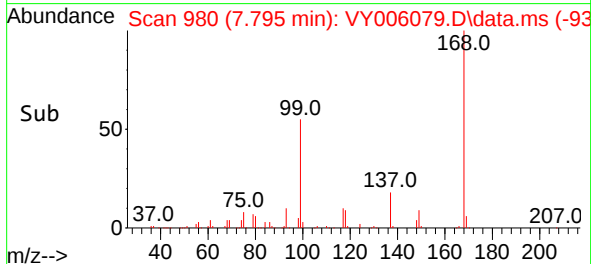
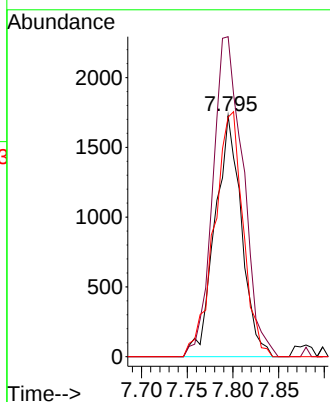


#31  
Cyclohexane  
Concen: 1.232 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

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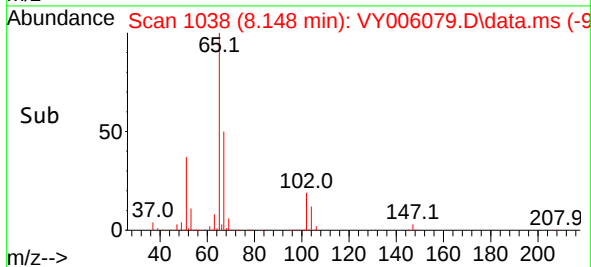
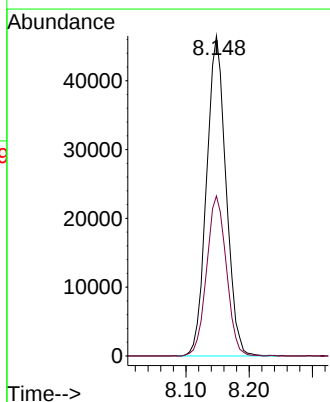
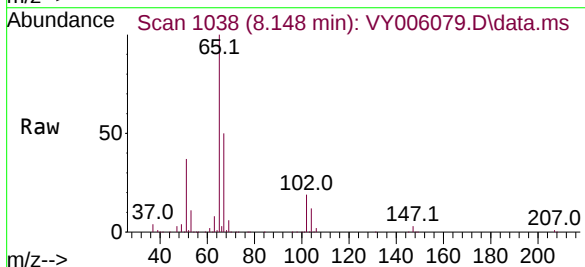


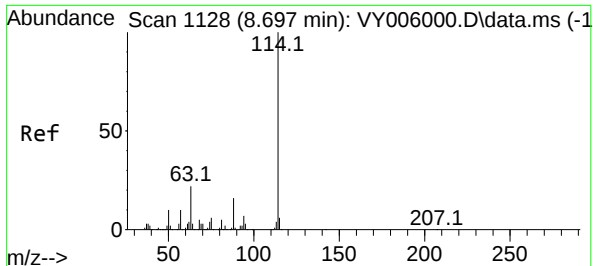
Tgt Ion: 56 Resp: 3498  
Ion Ratio Lower Upper  
56 100  
69 132.8 26.7 40.1#  
84 99.4 67.2 100.8



#33  
1,2-Dichloroethane-d4  
Concen: 55.977 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

Tgt Ion: 65 Resp: 99243  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006079.D

Acq: 17 Sep 2021 18:42

Tgt Ion:114 Resp: 241372

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

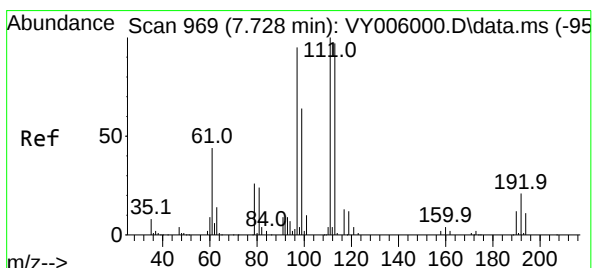
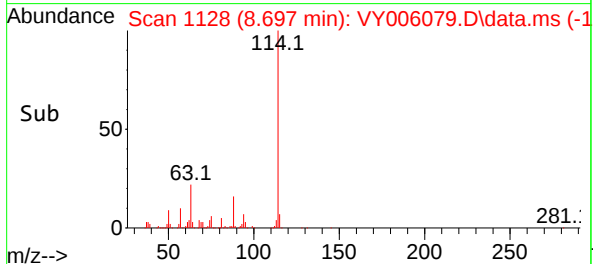
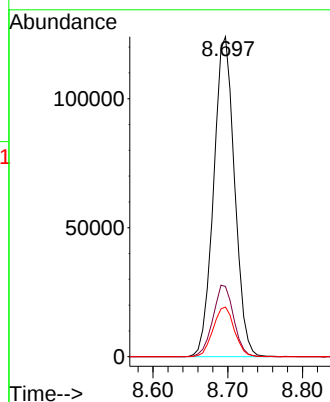
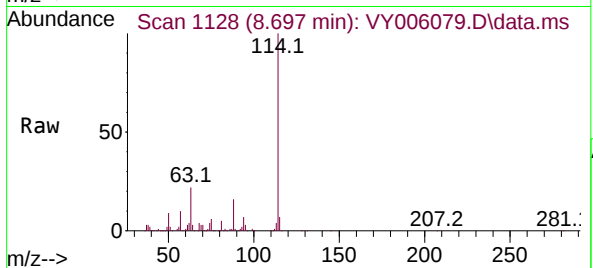
88 15.5 0.0 31.8

Instrument :

MSVOA\_Y

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#35

Dibromofluoromethane

Concen: 49.901 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY006079.D

Acq: 17 Sep 2021 18:42

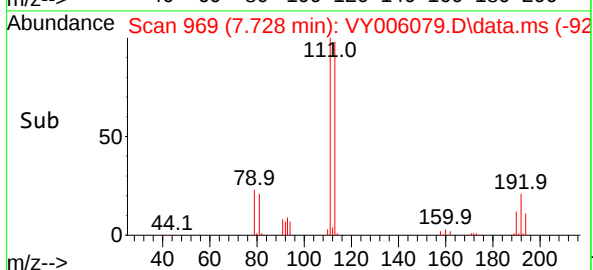
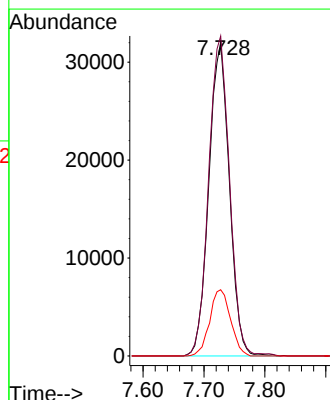
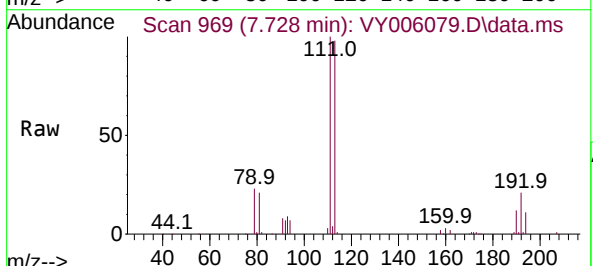
Tgt Ion:113 Resp: 74812

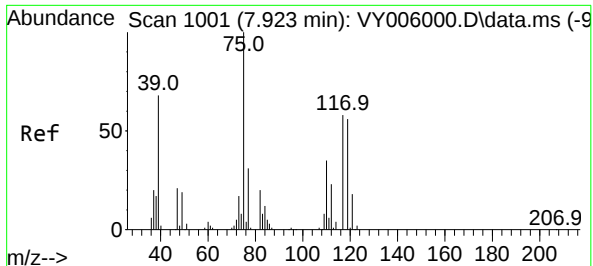
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 21.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.062 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY006079.D

Acq: 17 Sep 2021 18:42

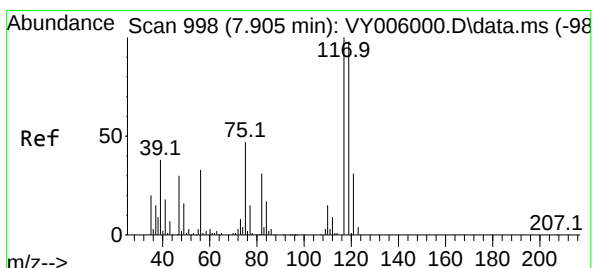
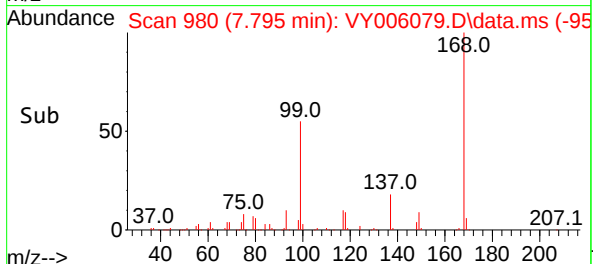
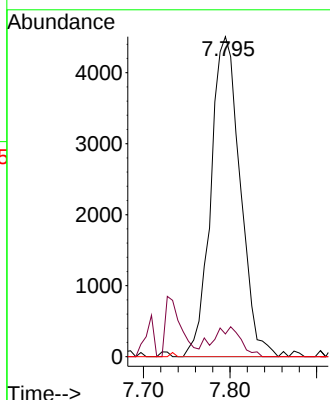
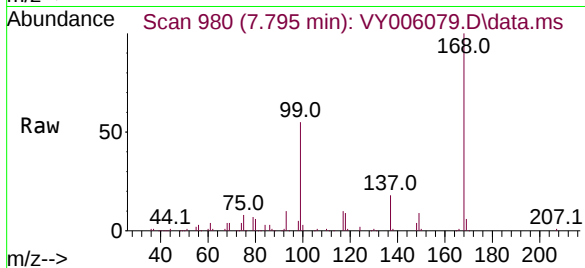
Instrument :

MSVOA\_Y

ClientSampleId :

CHRT-26878

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 10582 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 9.1     | 17.1 51.2#  |
| 77 0.0      | 24.4 36.6#  |



#38

Carbon Tetrachloride

Concen: 4.561 ug/l

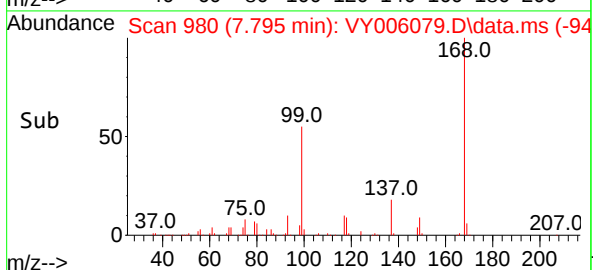
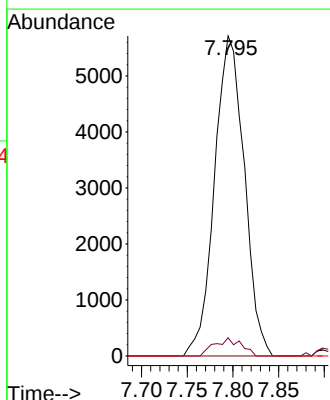
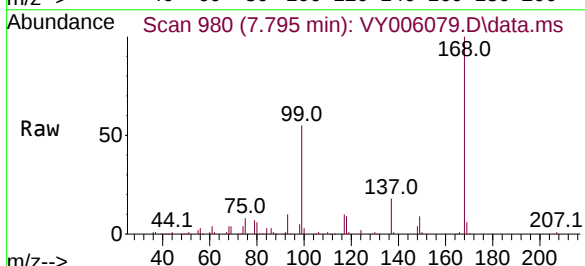
RT: 7.795 min Scan# 980

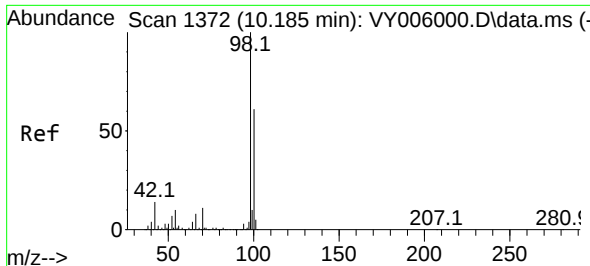
Delta R.T. -0.110 min

Lab File: VY006079.D

Acq: 17 Sep 2021 18:42

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 12937 |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 5.7      | 77.9 116.9# |
| 121 0.0      | 24.8 37.2#  |

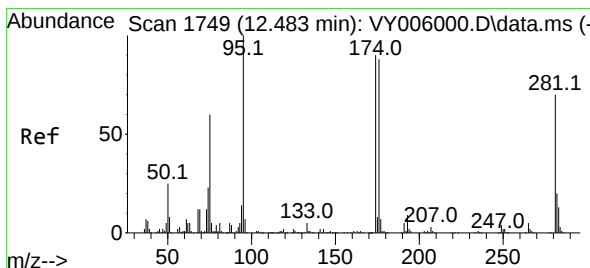
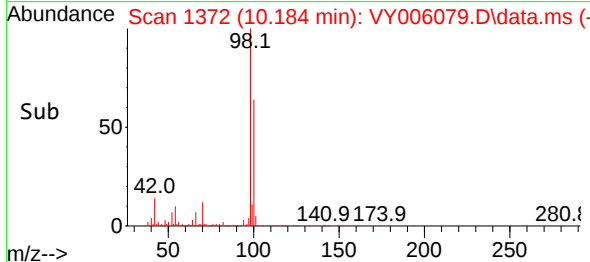
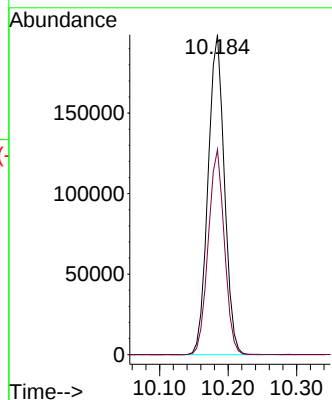
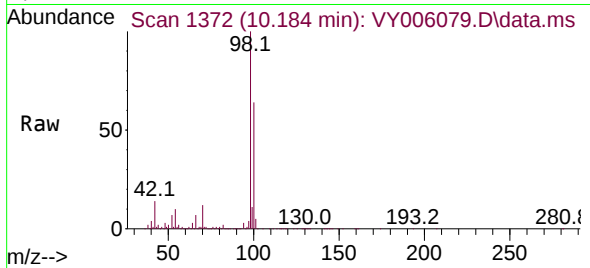




#50  
Toluene-d8  
Concen: 51.570 ug/l  
RT: 10.184 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

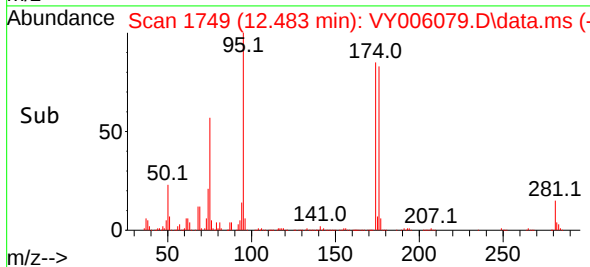
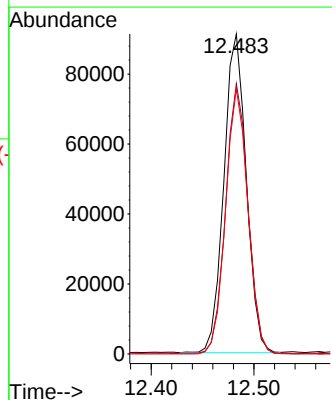
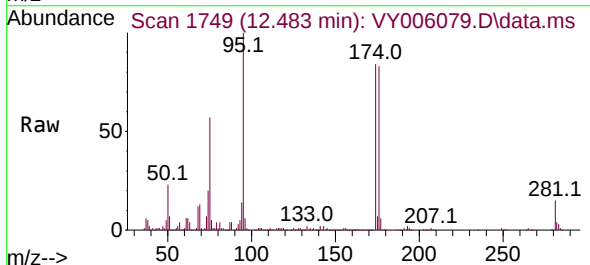
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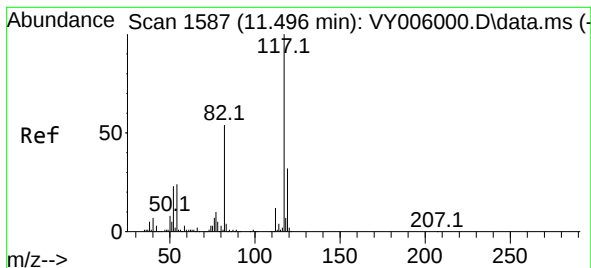
Tgt Ion: 98 Resp: 329516  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 63.484 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

Tgt Ion: 95 Resp: 137723  
Ion Ratio Lower Upper  
95 100  
174 84.6 0.0 177.0  
176 82.7 0.0 175.8

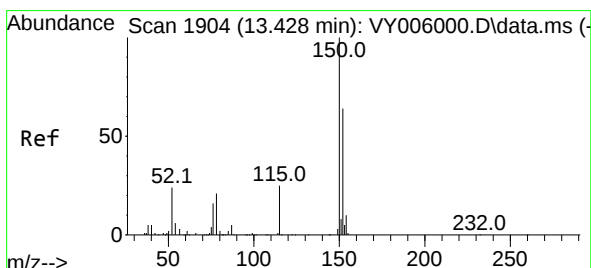
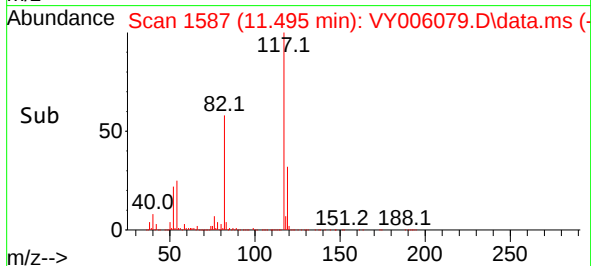
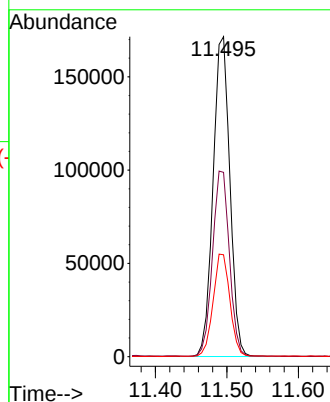
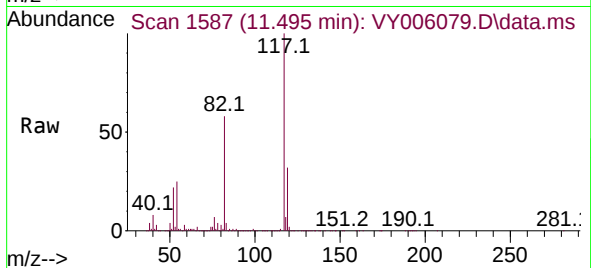




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

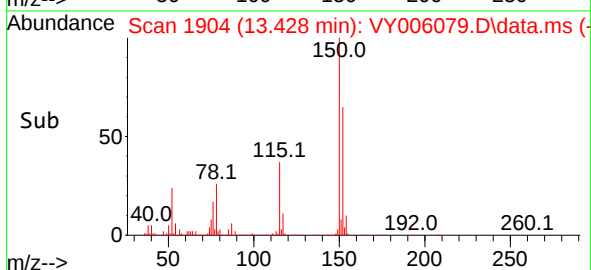
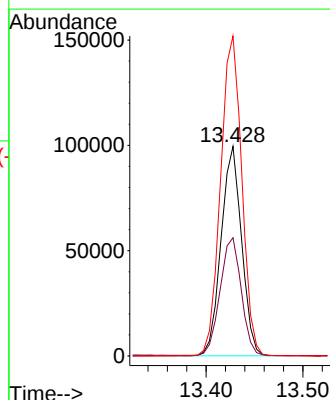
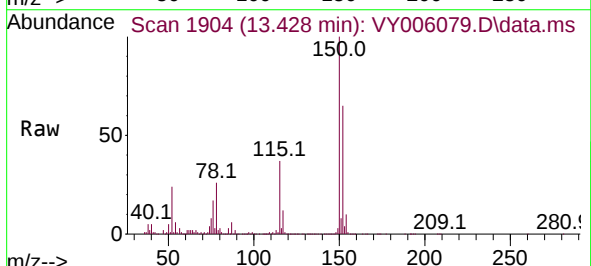
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-26878

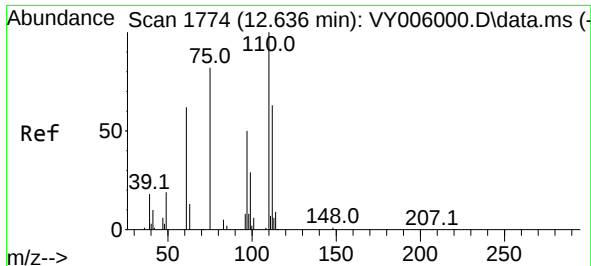
Tgt Ion:117 Resp: 279475  
Ion Ratio Lower Upper  
117 100  
82 57.5 43.0 64.4  
119 31.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

Tgt Ion:152 Resp: 146424  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.2 84.7  
150 158.1 0.0 347.6

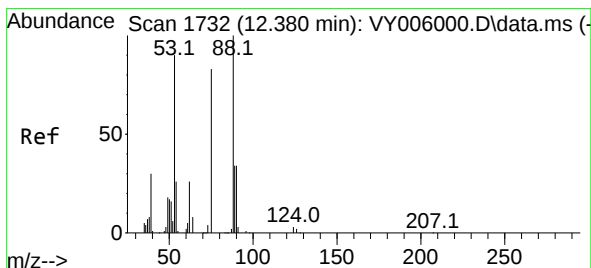
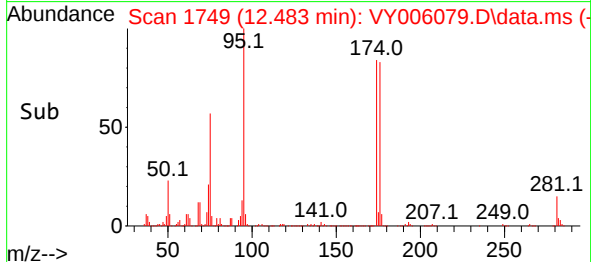
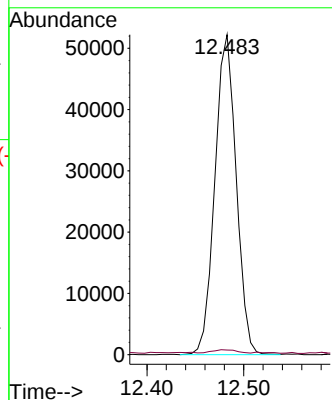
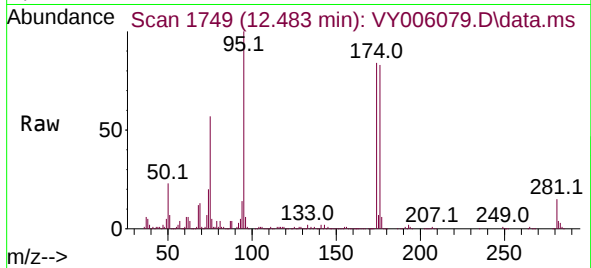




#76  
1,2,3-Trichloropropane  
Concen: 51.191 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-26878

Tgt Ion: 75 Resp: 79918  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.116 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY006079.D  
Acq: 17 Sep 2021 18:42

Tgt Ion: 75 Resp: 79918  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

