

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081021\  
 Data File : VY005599.D  
 Acq On : 10 Aug 2021 16:36  
 Operator : SY/MD  
 Sample : M3333-03  
 Misc : 4.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 11 03:38:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

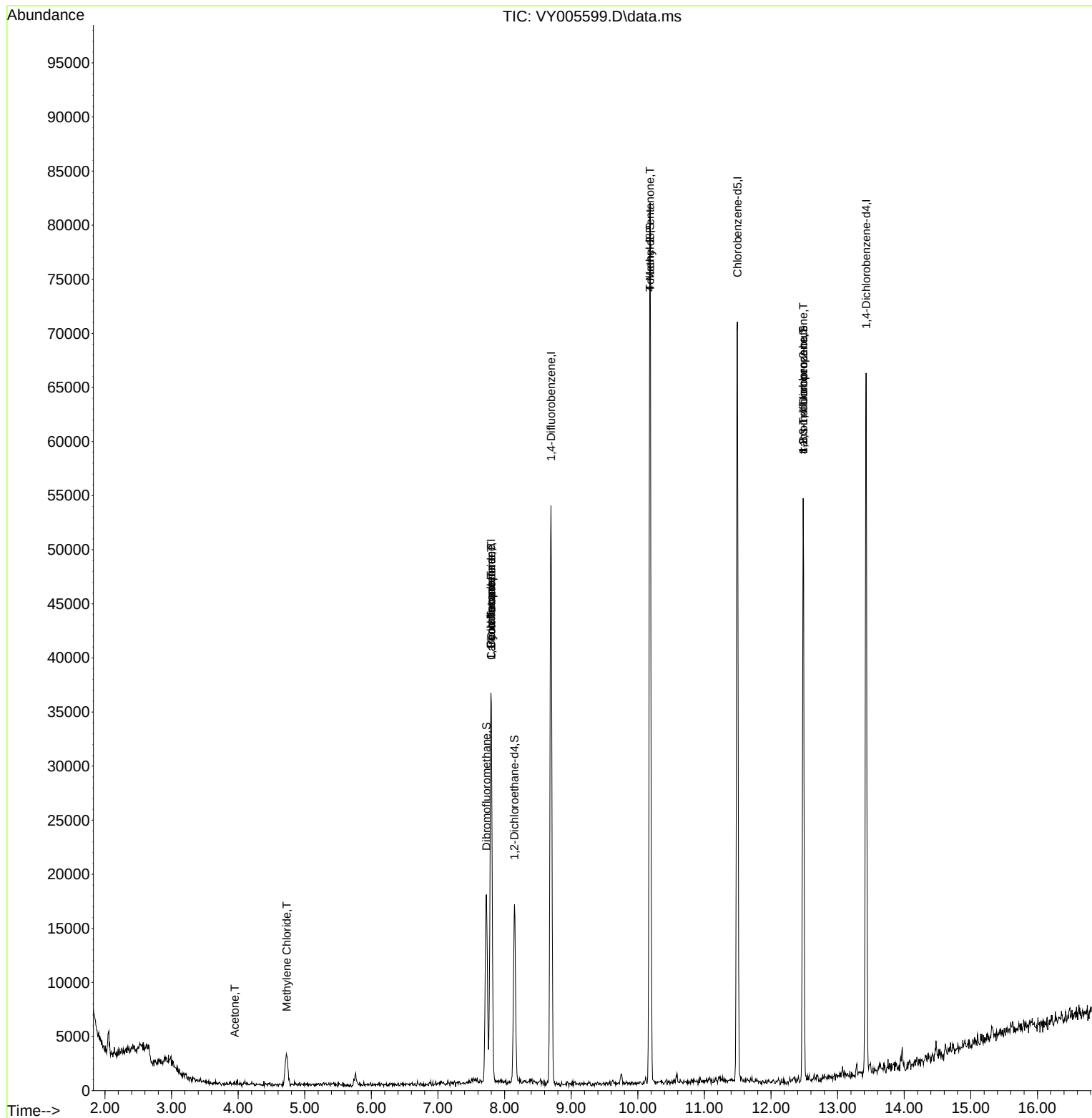
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 29118      | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 44235      | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 37918      | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 16491      | 50.00   | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 13347      | 45.28   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 90.56%  |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 11949      | 48.25   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 96.50%  |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 53824      | 51.82   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 103.64% |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 15226      | 44.27   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 88.54%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 16) Acetone                   | 3.948          | 43   | 320        | 4.31    | ug/l # | 45       |
| 20) Methylene Chloride        | 4.728          | 84   | 2264       | 1.85    | ug/l # | 78       |
| 31) Cyclohexane               | 7.795          | 56   | 650        | 1.29    | ug/l # | 6        |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 2172       | 5.24    | ug/l # | 44       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 2720       | 6.03    | ug/l # | 13       |
| 51) 4-Methyl-2-Pentanone      | 10.185         | 43   | 264        | 1.05    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 7977       | 46.68   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 7977       | 94.10   | ug/l # | 11       |
| -----                         |                |      |            |         |        |          |

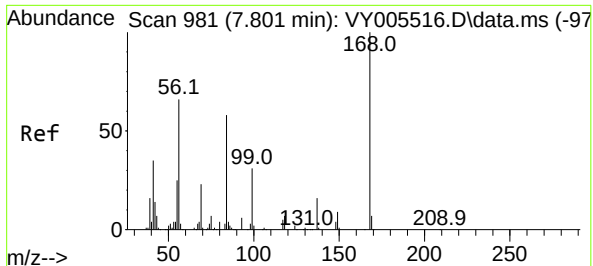
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 11 03:38:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

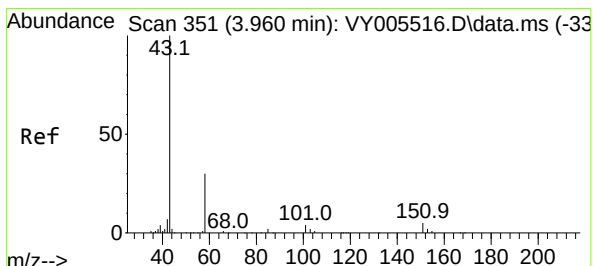
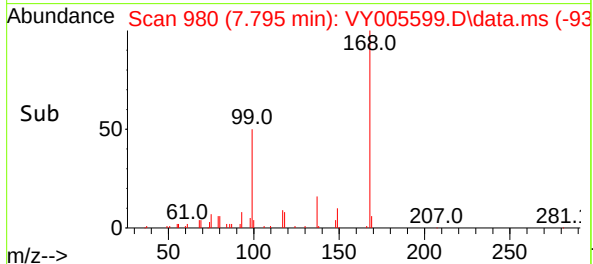
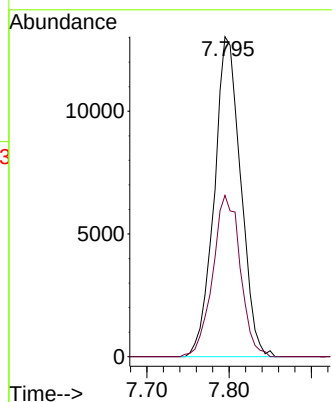
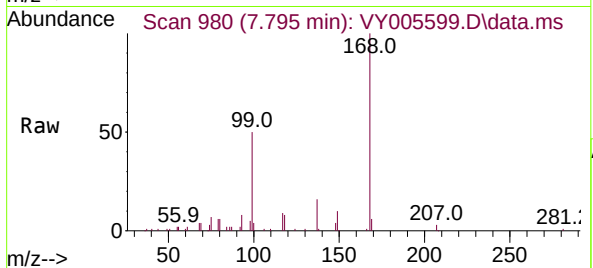




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

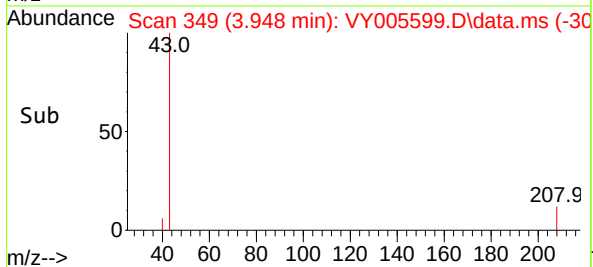
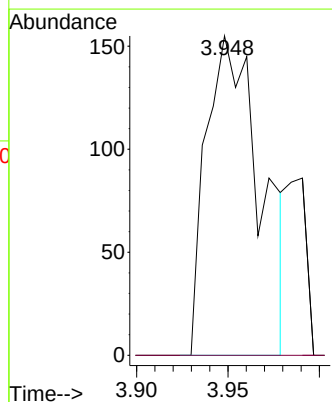
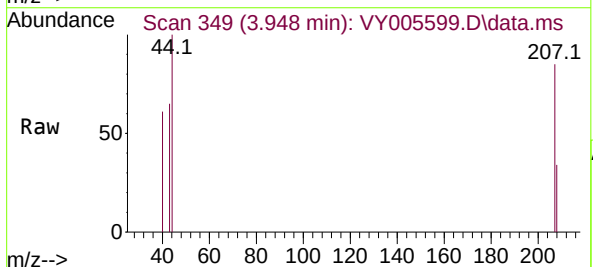
Instrument :  
MSVOA\_Y  
ClientSampled :

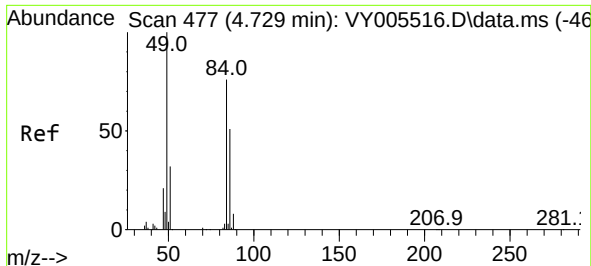
Tgt Ion:168 Resp: 29118  
Ion Ratio Lower Upper  
168 100  
99 50.4 38.9 58.3



#16  
Acetone  
Concen: 4.31 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion: 43 Resp: 320  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.6#

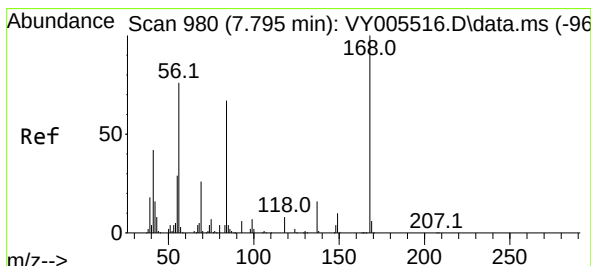
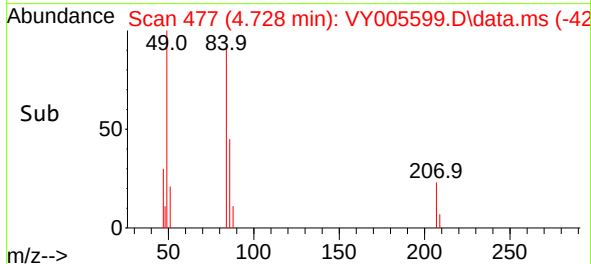
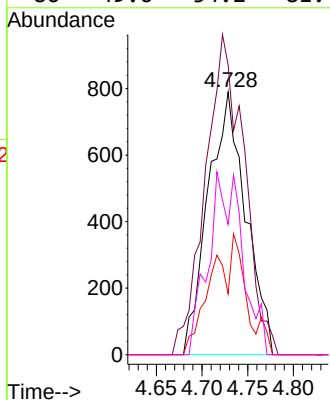
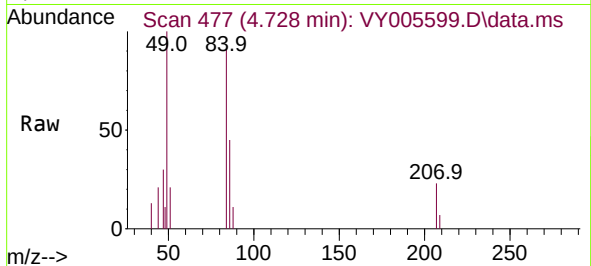




#20  
Methylene Chloride  
Concen: 1.85 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

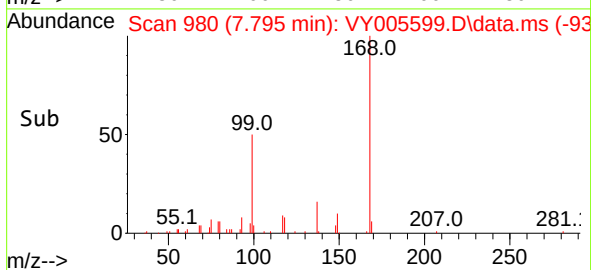
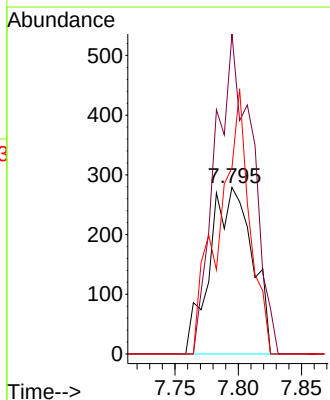
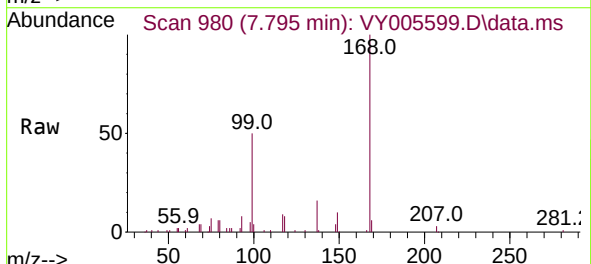
Instrument :  
MSVOA\_Y  
ClientSampled :

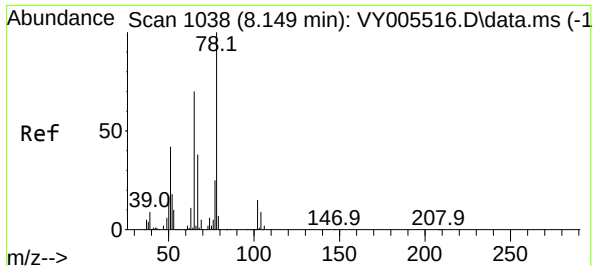
Tgt Ion: 84 Resp: 2264  
Ion Ratio Lower Upper  
84 100  
49 110.3 105.8 158.6  
51 23.2 33.4 50.2#  
86 49.6 54.2 81.4#



#31  
Cyclohexane  
Concen: 1.29 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion: 56 Resp: 650  
Ion Ratio Lower Upper  
56 100  
69 192.1 27.7 41.5#  
84 111.8 70.9 106.3#

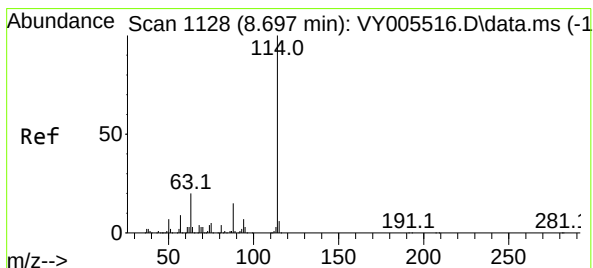
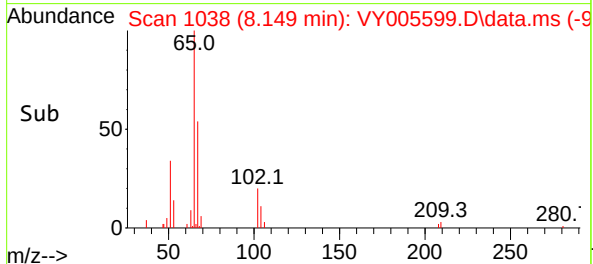
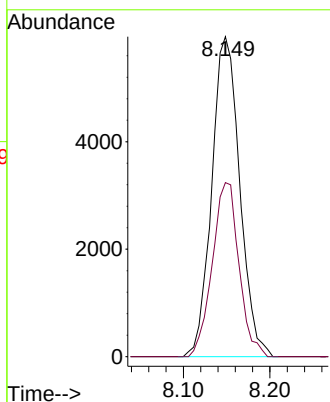
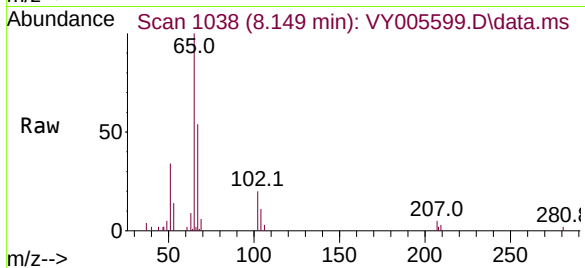




#33  
1,2-Dichloroethane-d4  
Concen: 45.28 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

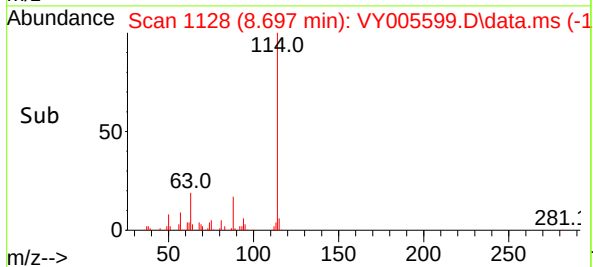
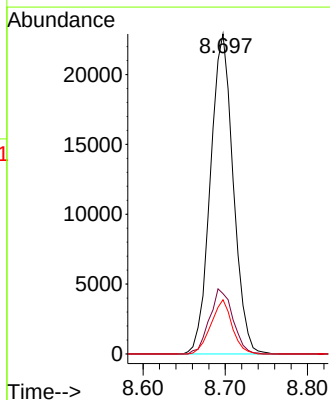
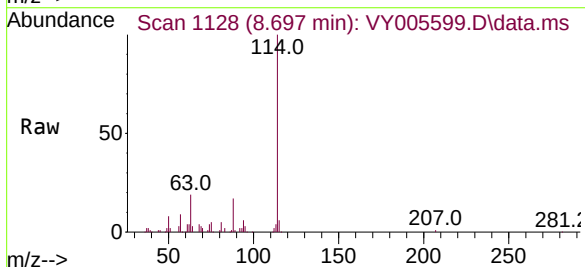
Instrument :  
MSVOA\_Y  
ClientSampleId :

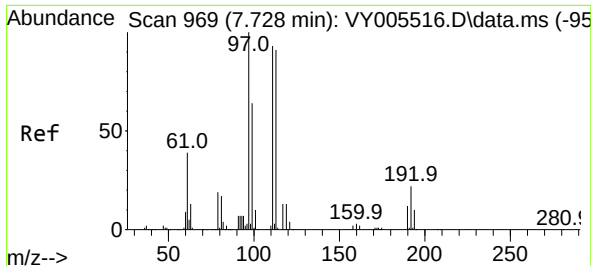
Tgt Ion: 65 Resp: 13347  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion:114 Resp: 44235  
Ion Ratio Lower Upper  
114 100  
63 18.9 0.0 39.2  
88 17.0 0.0 30.8

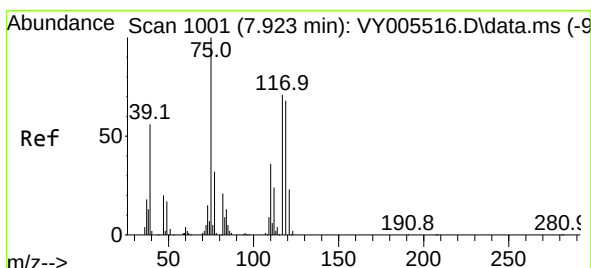
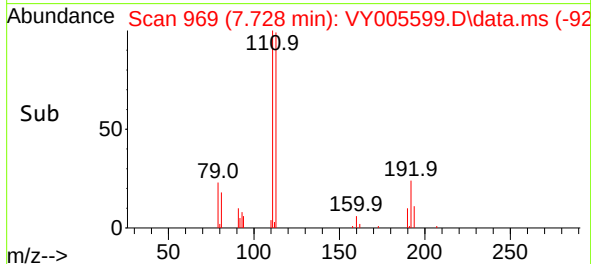
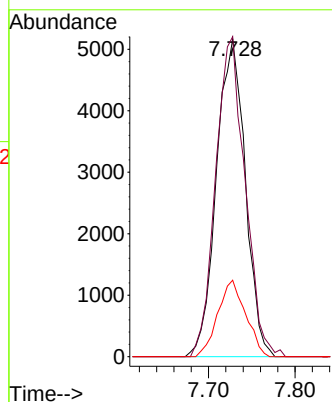
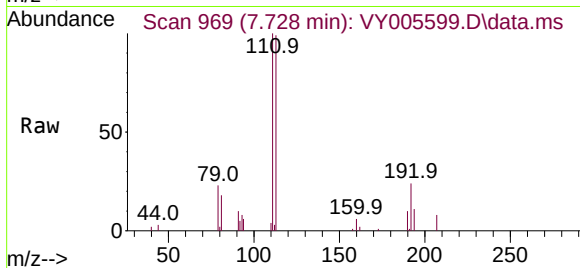




#35  
Dibromofluoromethane  
Concen: 48.25 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

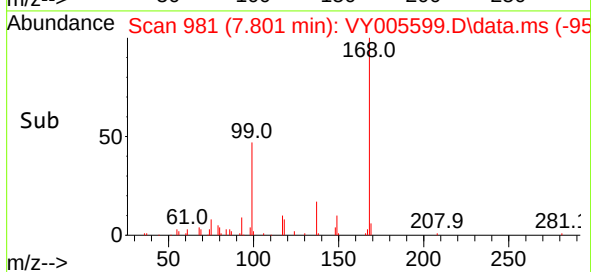
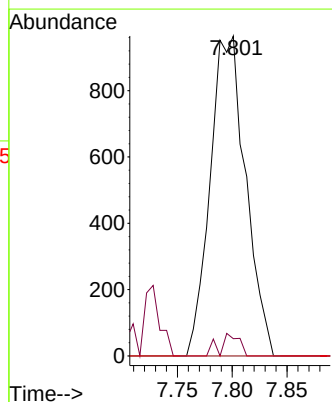
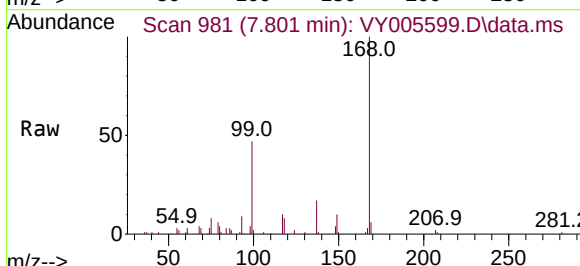
Instrument :  
MSVOA\_Y  
ClientSampleId :

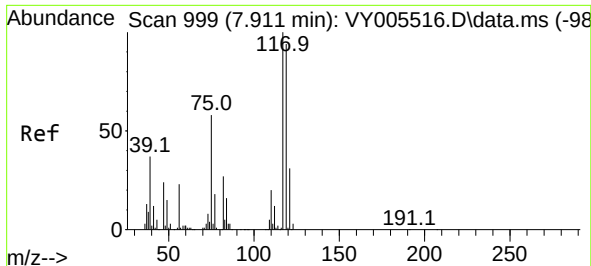
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 11949 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 81.9  | 122.9 |
| 192      | 23.2  | 19.2  | 28.8  |



#36  
1,1-Dichloropropene  
Concen: 5.24 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.122 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2172  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 3.8   | 18.1  | 54.1# |
| 77       | 0.0   | 25.1  | 37.7# |

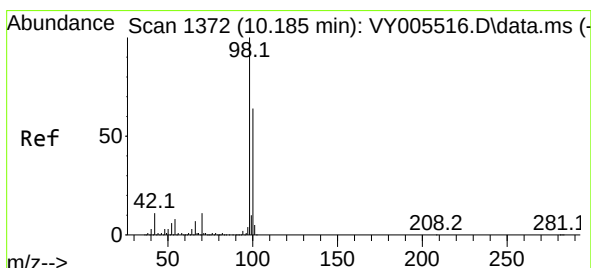
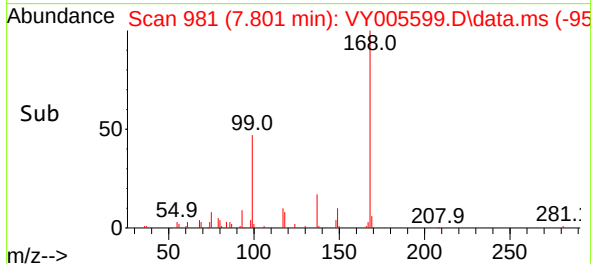
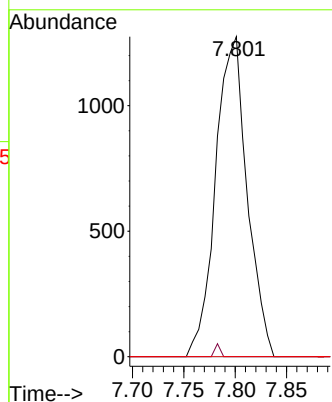
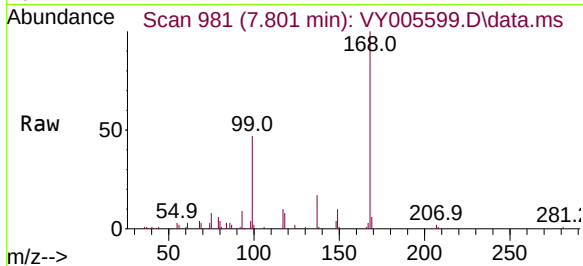




#38  
Carbon Tetrachloride  
Concen: 6.03 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

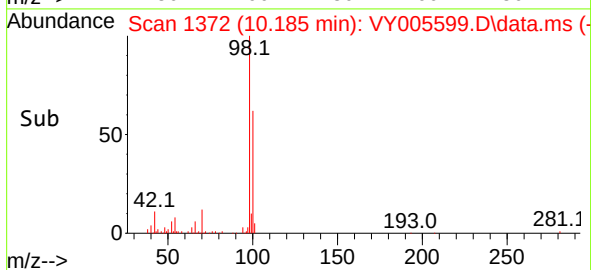
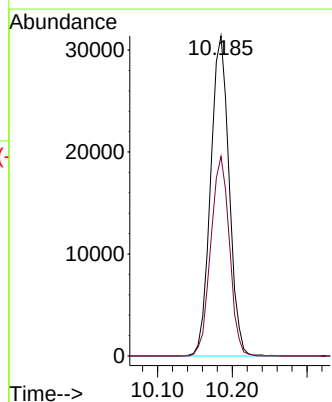
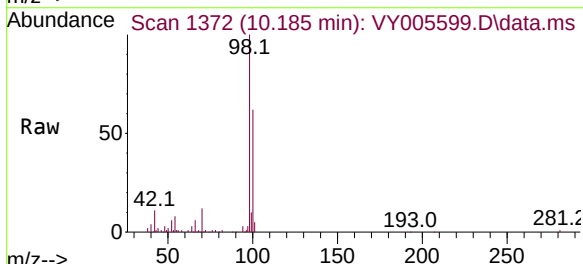
Instrument :  
MSVOA\_Y  
ClientSampleId :

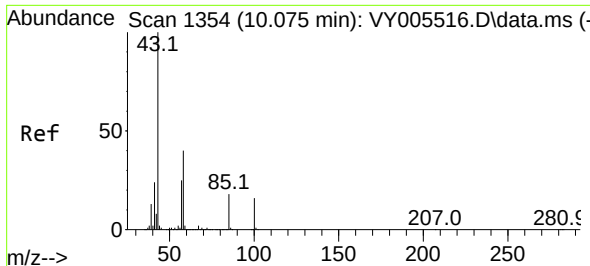
Tgt Ion:117 Resp: 2720  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.4 113.0#  
121 0.0 25.1 37.7#



#50  
Toluene-d8  
Concen: 51.82 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion: 98 Resp: 53824  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.3 76.9

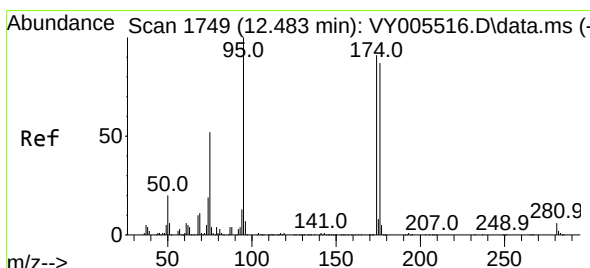
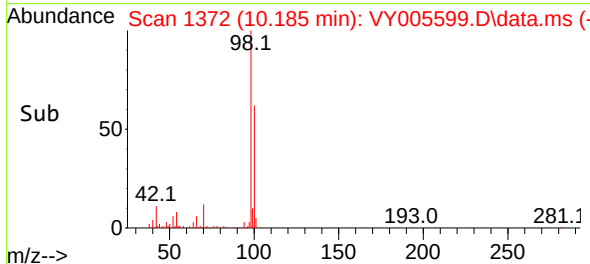
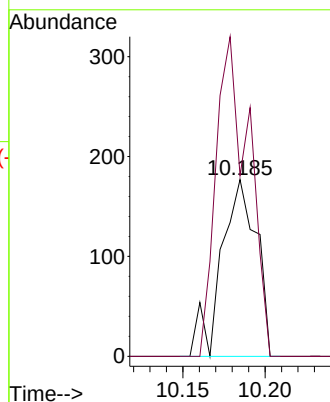
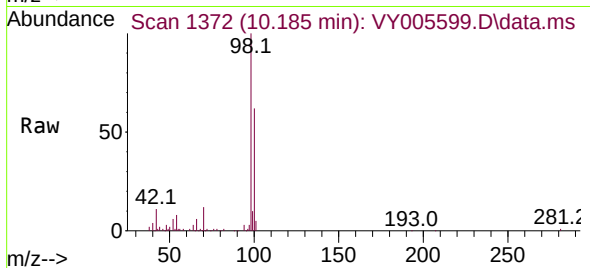




#51  
4-Methyl-2-Pentanone  
Concen: 1.05 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.110 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

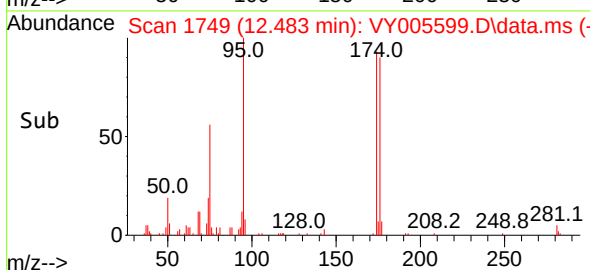
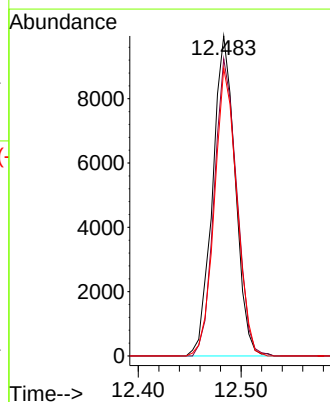
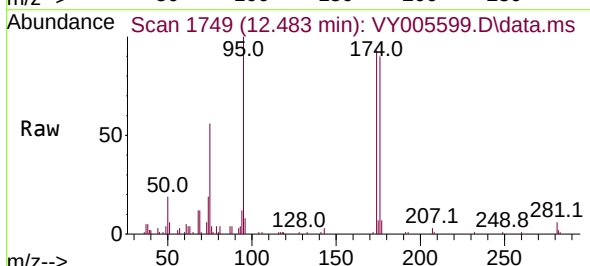
Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 43 Resp: 264  
Ion Ratio Lower Upper  
43 100  
58 167.4 31.4 47.2#

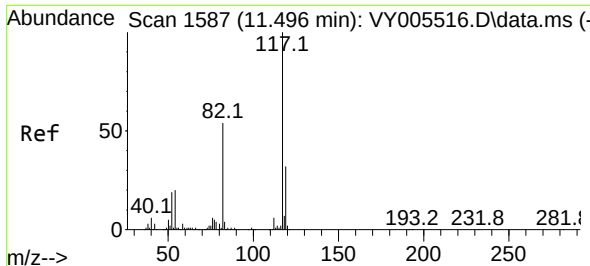


#62  
4-Bromofluorobenzene  
Concen: 44.27 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion: 95 Resp: 15226  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 191.4  
176 88.9 0.0 183.6



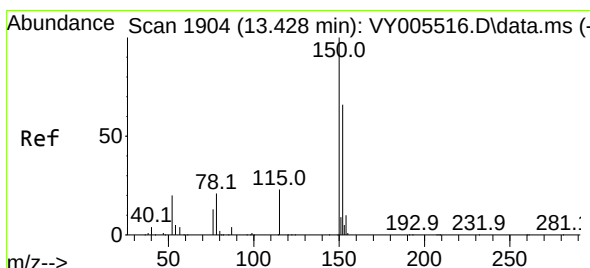
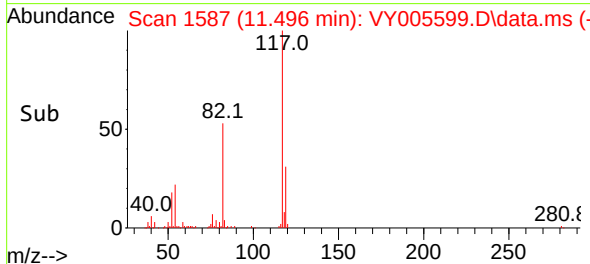
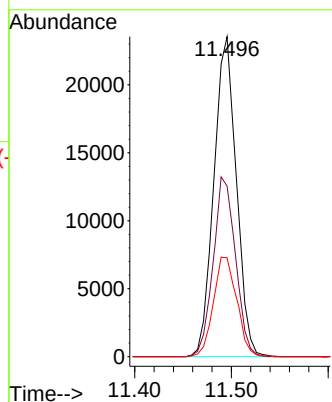
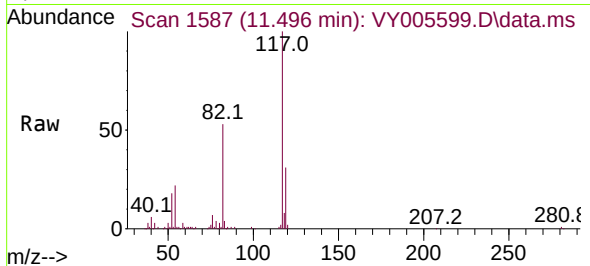




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

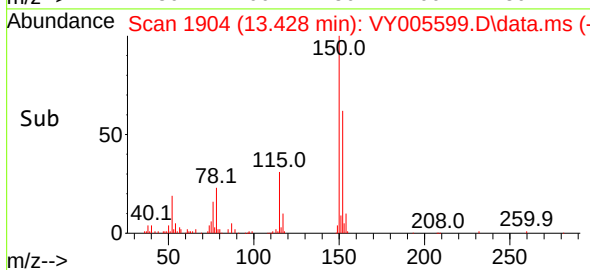
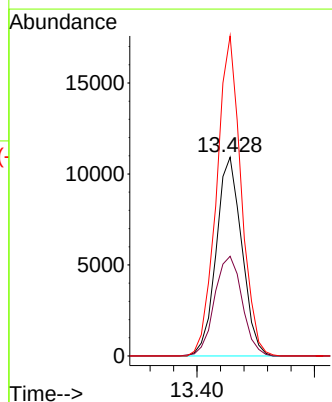
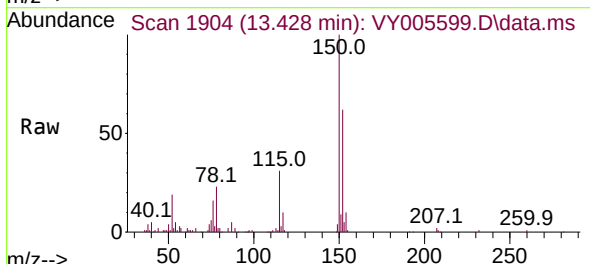
Instrument :  
MSVOA\_Y  
ClientSampleId :

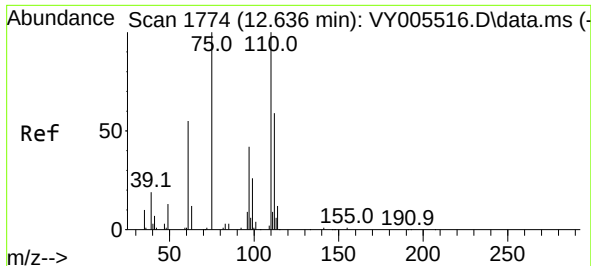
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 37918 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.3  | 43.5  | 65.3  |
| 119      | 30.9  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 16491 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 54.2  | 27.3  | 81.9  |
| 150      | 154.6 | 0.0   | 350.2 |

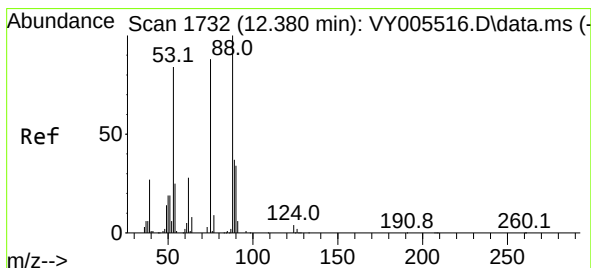
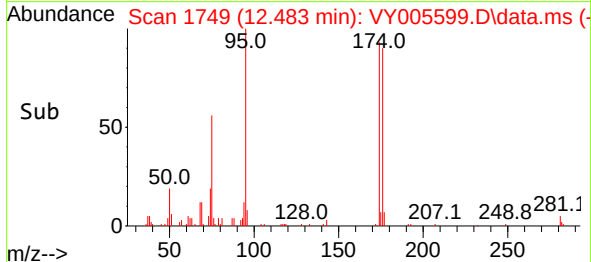
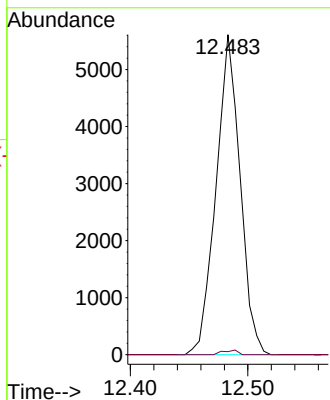
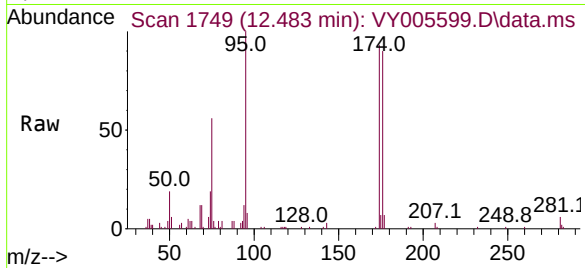




#76  
1,2,3-Trichloropropane  
Concen: 46.68 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 7977  
Ion Ratio Lower Upper  
75 100  
77 0.9 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.10 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion: 75 Resp: 7977  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.7 115.1#  
89 0.0 38.4 57.6#

