

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061021\  
 Data File : VY005072.D  
 Acq On : 10 Jun 2021 12:11  
 Operator : SY/MD  
 Sample : M2666-04RE  
 Misc : 4.73G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 11 05:04:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 154218   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 280533   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 265071   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 111040   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 97540    | 59.827   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.660% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 86448    | 57.277   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 114.560% |
| 50) Toluene-d8              | 10.185 | 98    | 346710   | 55.311   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.620% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 112368   | 52.124   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 104.240% |

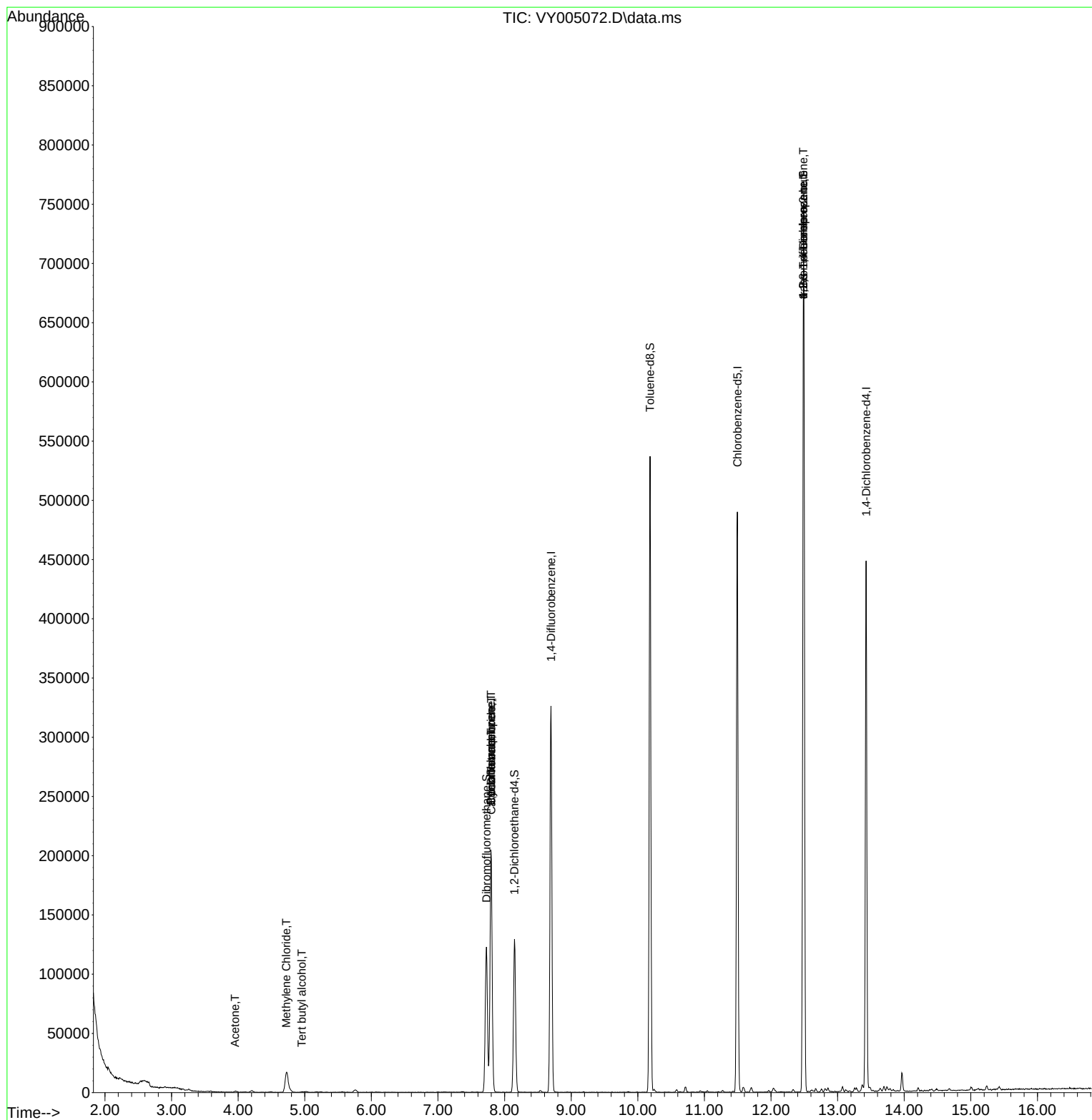
| Target Compounds              |        |     |       |        | Qvalue |       |
|-------------------------------|--------|-----|-------|--------|--------|-------|
| 11) Tert butyl alcohol        | 4.954  | 59  | 370   | 1.973  | ug/l   | # 74  |
| 13) Acrolein                  | 3.741  | 56  | 109   | Below  | Cal    | 85    |
| 16) Acetone                   | 3.954  | 43  | 1521  | 3.875  | ug/l   | 89    |
| 20) Methylene Chloride        | 4.722  | 84  | 13106 | 1.146  | ug/l   | 90    |
| 31) Cyclohexane               | 7.795  | 56  | 3432  | 1.196  | ug/l   | # 1   |
| 36) 1,1-Dichloropropene       | 7.795  | 75  | 12420 | 4.524  | ug/l   | # 50  |
| 38) Carbon Tetrachloride      | 7.801  | 117 | 15676 | 6.561  | ug/l   | # 16  |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 61993 | 50.930 | ug/l   | # 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 61993 | 93.598 | ug/l   | # 16  |

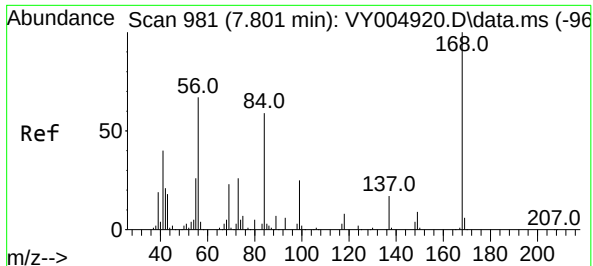
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061021\  
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MSVOA\_Y  
ClientSampleId :

Quant Time: Jun 11 05:04:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 2021  
Response via : Initial Calibration

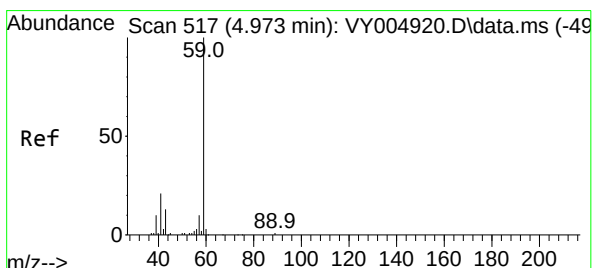
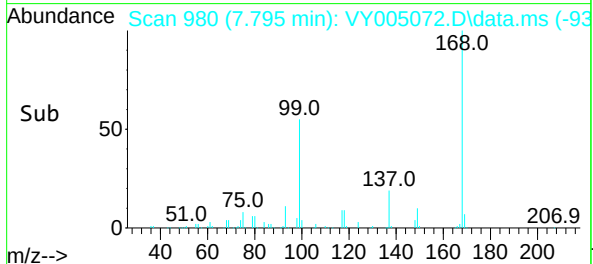
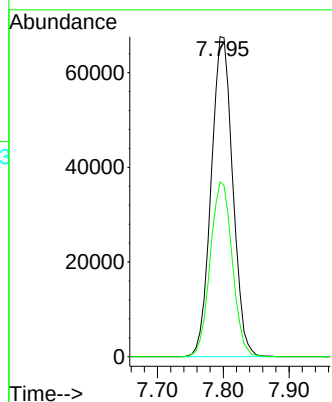
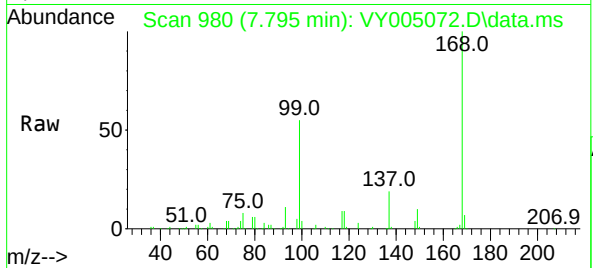




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

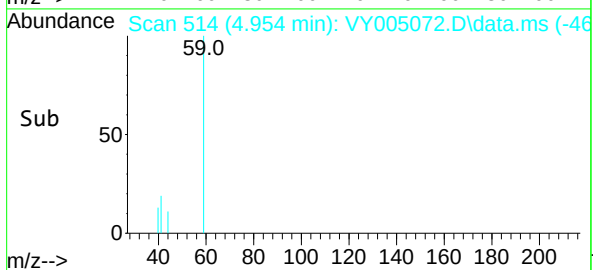
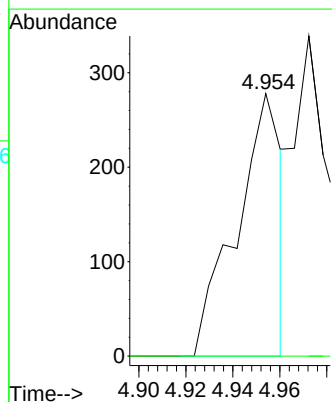
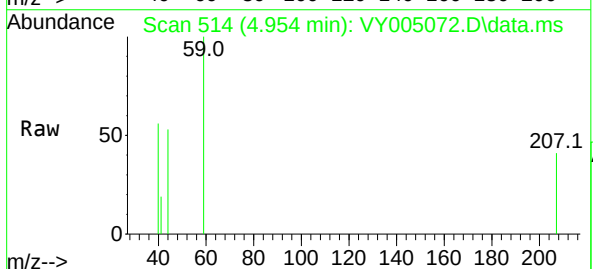
Instrument :  
MSVOA\_Y  
ClientSampleId :

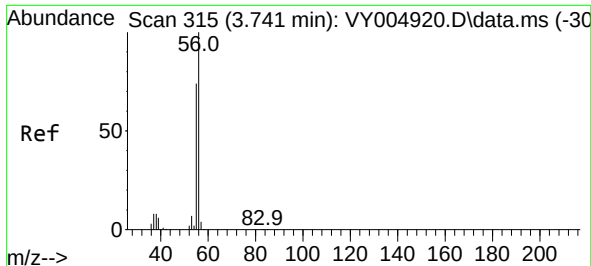
Tgt Ion:168 Resp: 154218  
Ion Ratio Lower Upper  
168 100  
99 54.7 43.9 65.9



#11  
Tert butyl alcohol  
Concen: 1.973 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.019 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

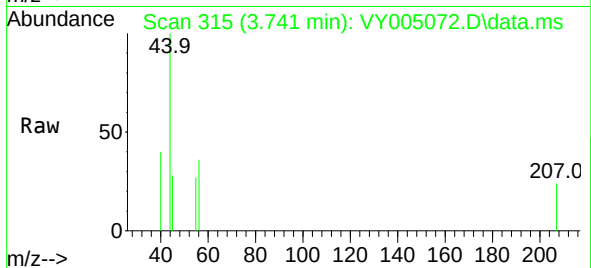
Tgt Ion: 59 Resp: 370  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#



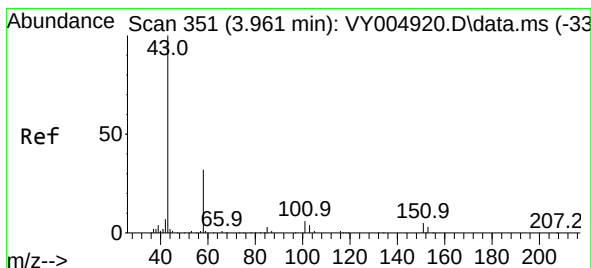
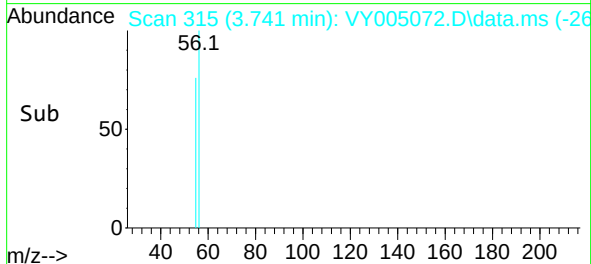
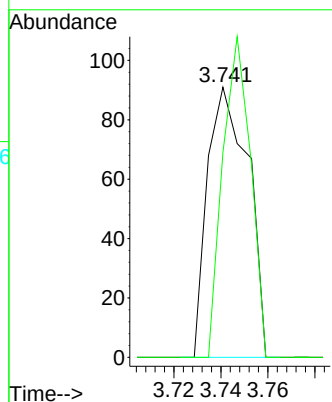


#13  
Acrolein  
Concen: Below Cal  
RT: 3.741 min Scan# 315  
Delta R.T. -0.000 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

Instrument :  
MSVOA\_Y  
ClientSampled :

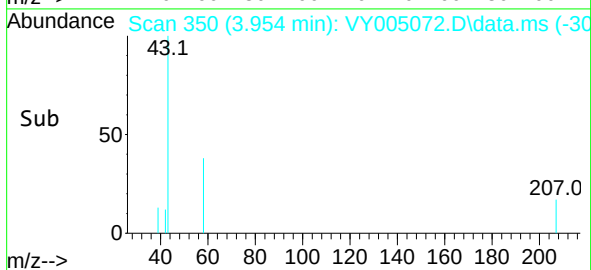
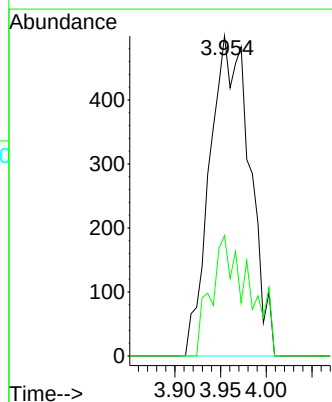
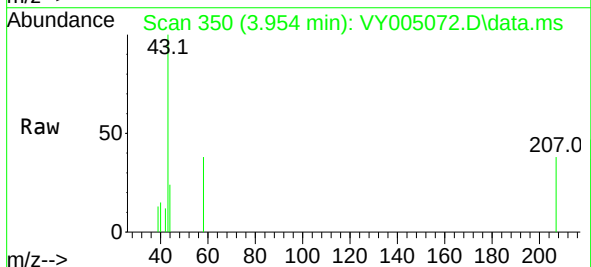


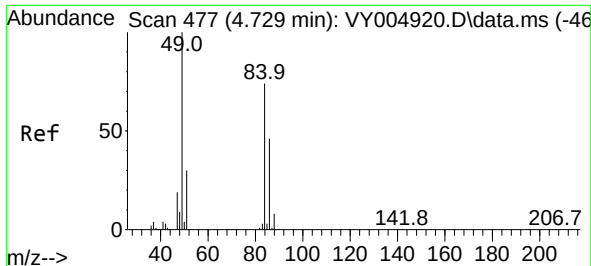
Tgt Ion: 56 Resp: 109  
Ion Ratio Lower Upper  
56 100  
55 81.7 55.4 83.2



#16  
Acetone  
Concen: 3.875 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

Tgt Ion: 43 Resp: 1521  
Ion Ratio Lower Upper  
43 100  
58 37.6 25.3 37.9





#20

Methylene Chloride

Concen: 1.146 ug/l

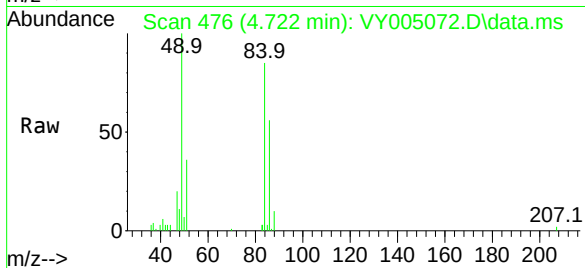
RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY005072.D

Acq: 10 Jun 2021 12:11

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 13106

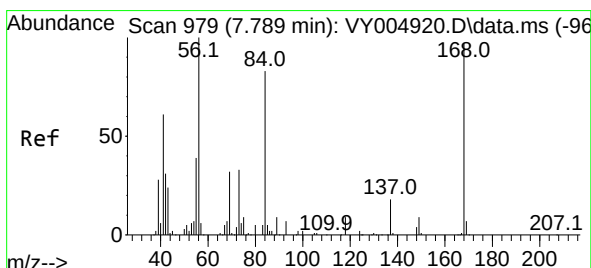
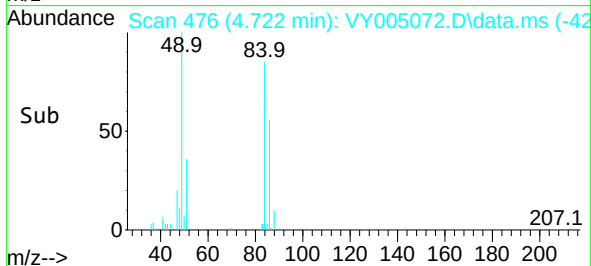
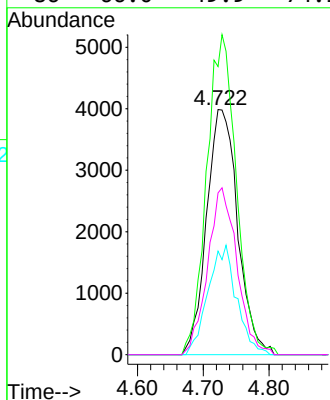
Ion Ratio Lower Upper

84 100

49 117.6 108.0 162.0

51 42.3 32.6 48.8

86 66.0 49.9 74.9



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY005072.D

Acq: 10 Jun 2021 12:11

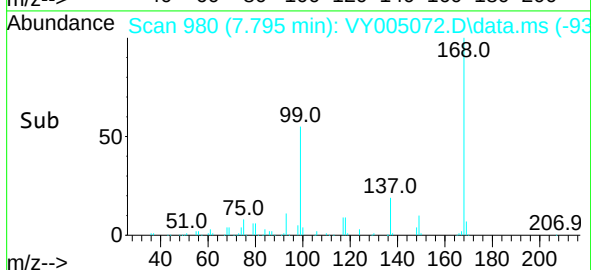
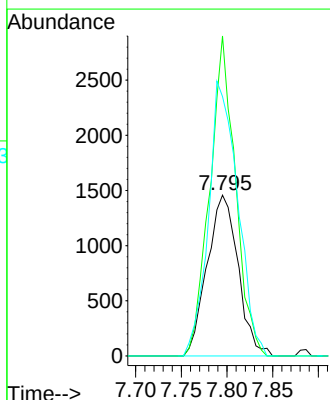
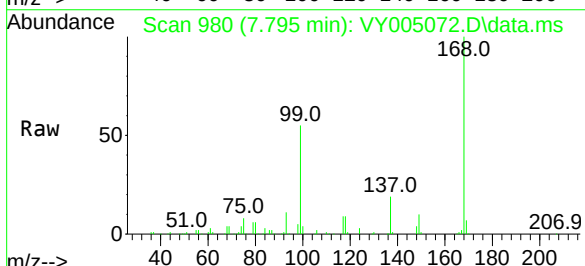
Tgt Ion: 56 Resp: 3432

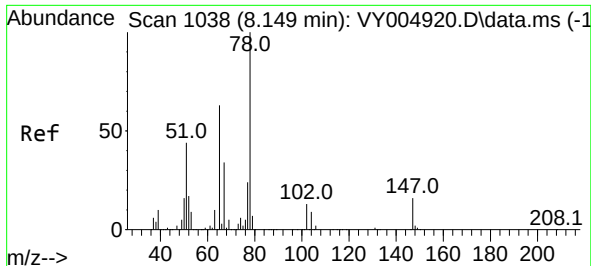
Ion Ratio Lower Upper

56 100

69 199.0 25.3 37.9#

84 161.2 66.2 99.4#

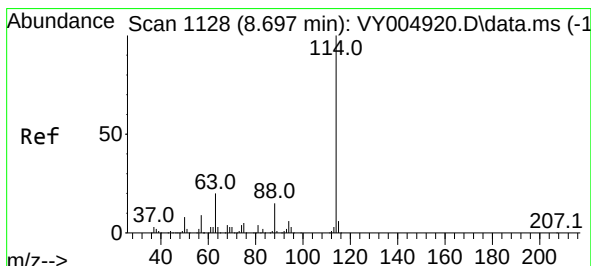
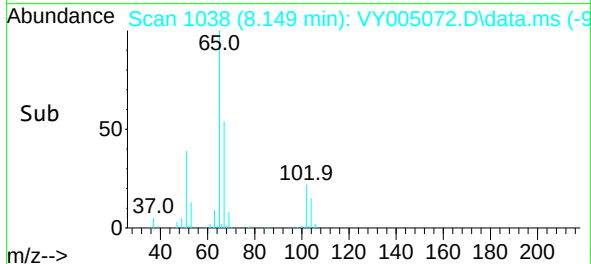
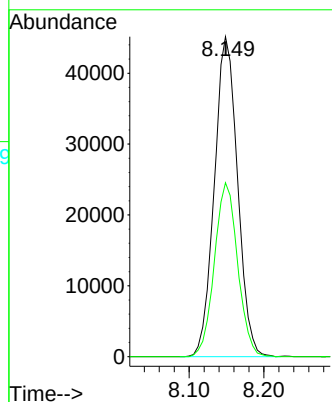
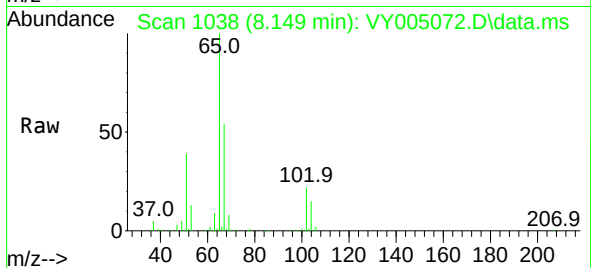




#33  
1,2-Dichloroethane-d4  
Concen: 59.827 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

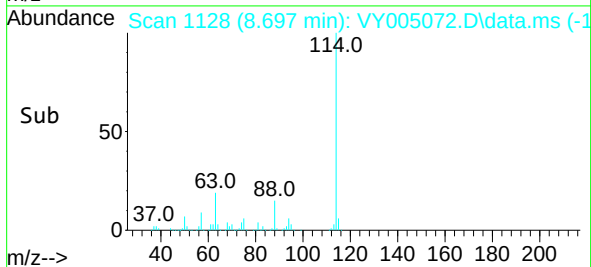
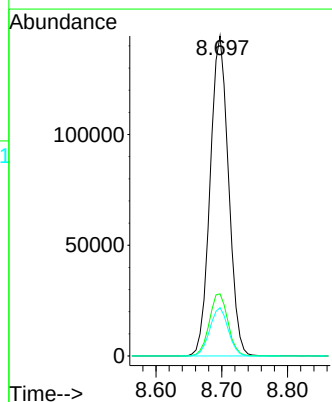
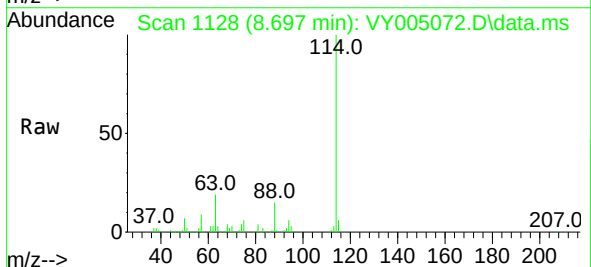
Instrument :  
MSVOA\_Y  
ClientSampleId :

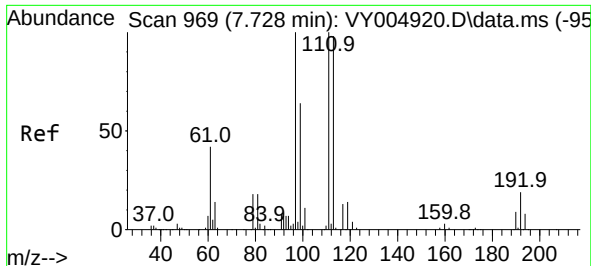
Tgt Ion: 65 Resp: 97540  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 110.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

Tgt Ion: 114 Resp: 280533  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 41.0  
88 15.1 0.0 30.6

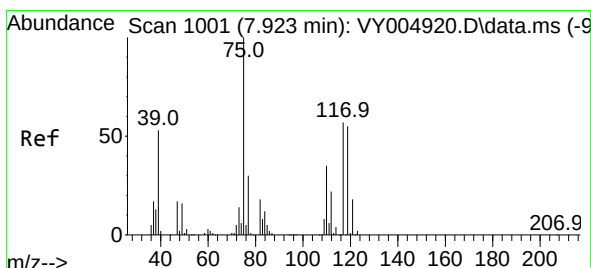
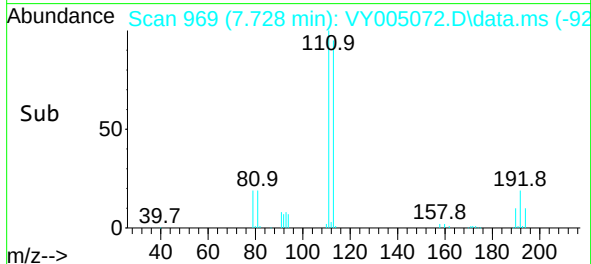
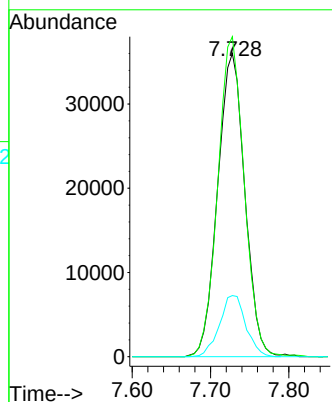
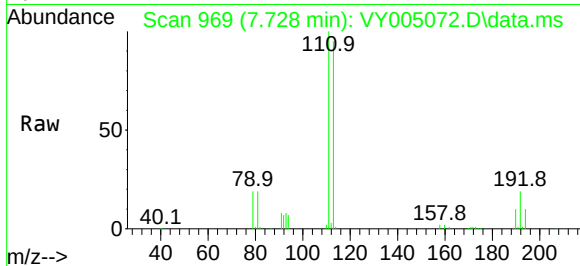




#35  
Dibromofluoromethane  
Concen: 57.277 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

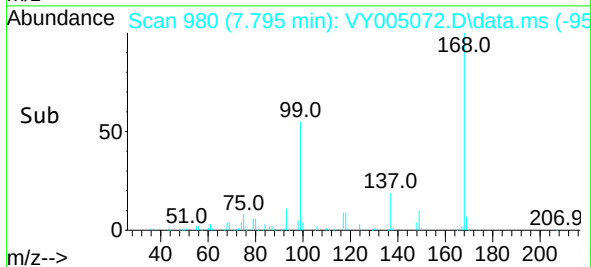
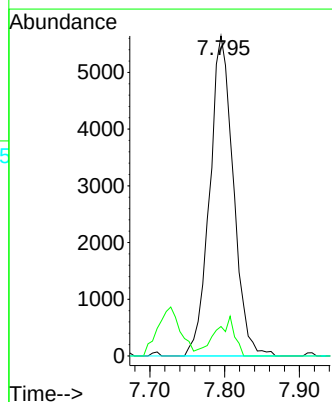
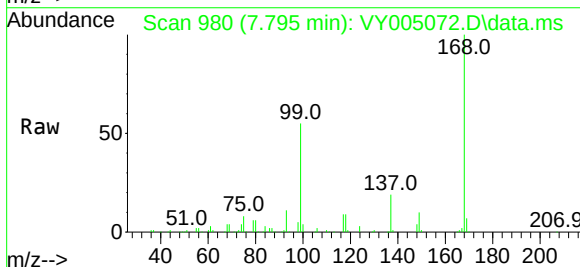
Instrument :  
MSVOA\_Y  
ClientSampleId :

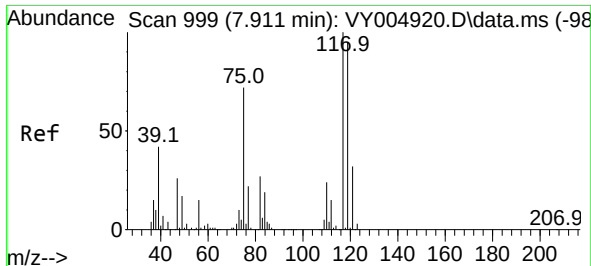
Tgt Ion:113 Resp: 86448  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.8 122.8  
192 19.6 15.3 22.9



#36  
1,1-Dichloropropene  
Concen: 4.524 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

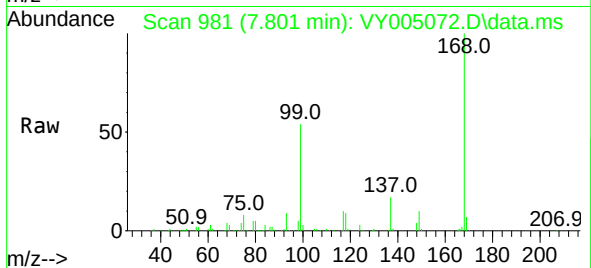
Tgt Ion: 75 Resp: 12420  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.5 52.5#  
77 0.0 25.1 37.7#



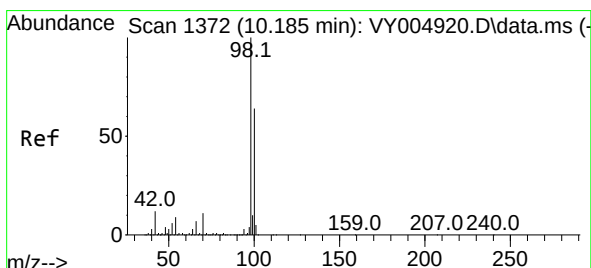
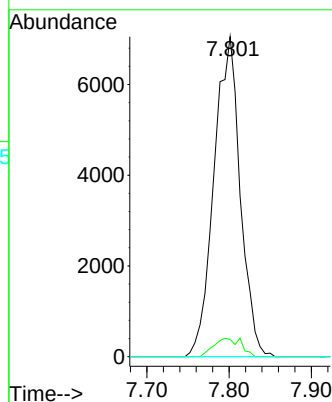
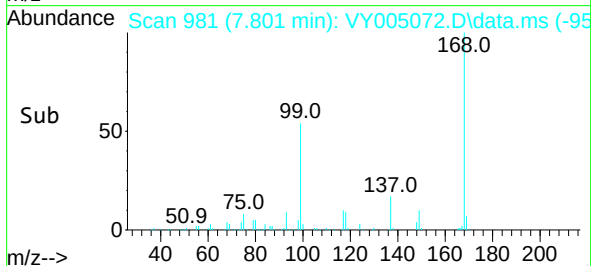


#38  
Carbon Tetrachloride  
Concen: 6.561 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

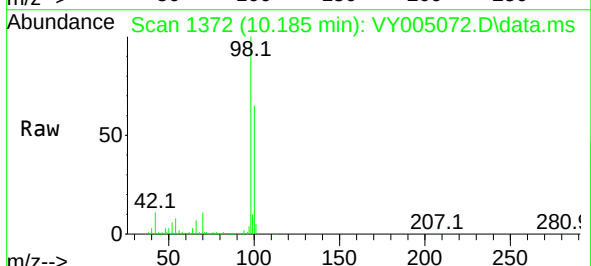
Instrument :  
MSVOA\_Y  
ClientSampleId :



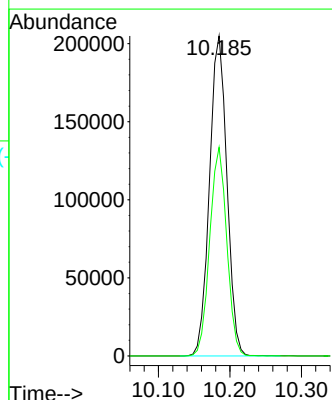
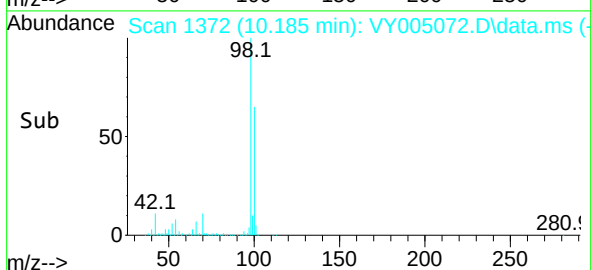
Tgt Ion:117 Resp: 15676  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.1 114.1#  
121 0.0 25.5 38.3#



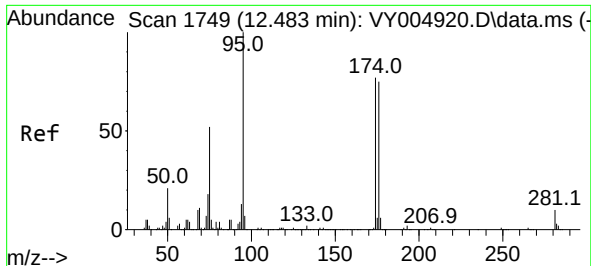
#50  
Toluene-d8  
Concen: 55.311 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11



Tgt Ion: 98 Resp: 346710  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.8 77.6



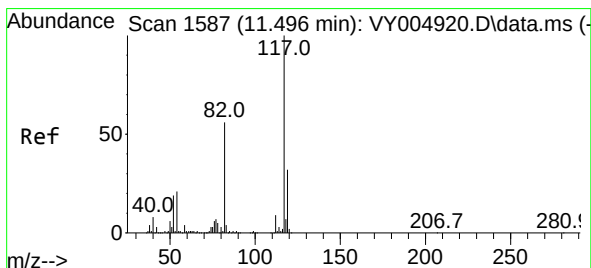
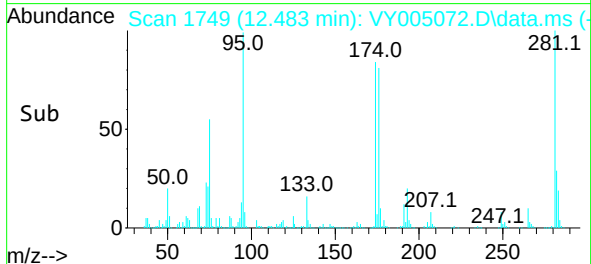
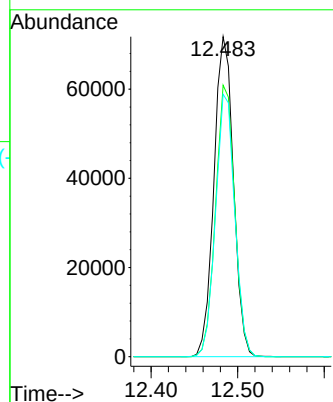
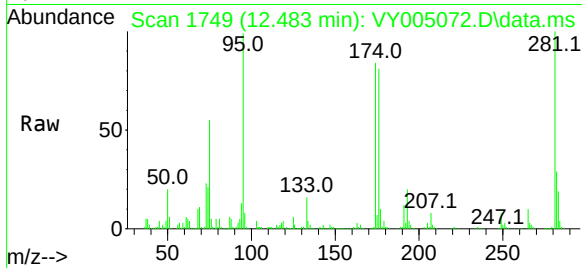




#62  
4-Bromofluorobenzene  
Concen: 52.124 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

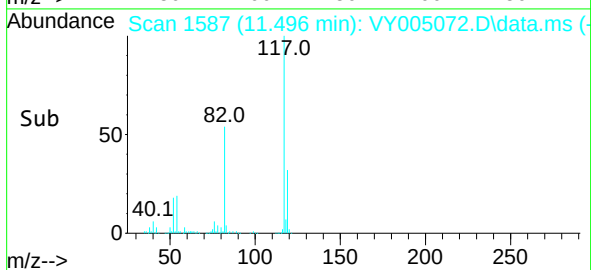
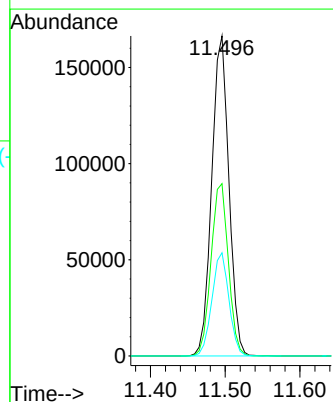
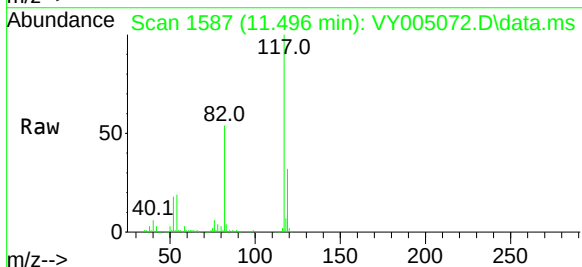
Instrument :  
MSVOA\_Y  
ClientSampleId :

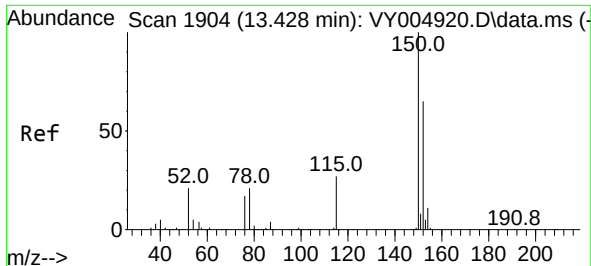
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 112368 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 83.4  | 0.0   | 160.8  |
| 176       | 80.8  | 0.0   | 155.6  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005072.D  
Acq: 10 Jun 2021 12:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 265071 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.9  | 44.8  | 67.2   |
| 119       | 32.2  | 25.2  | 37.8   |

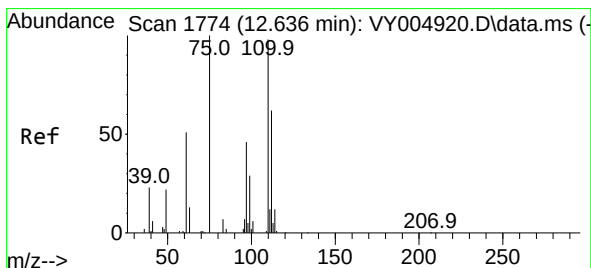
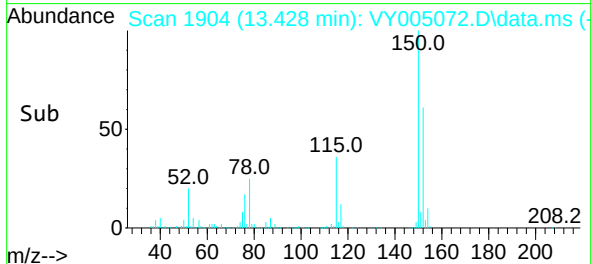
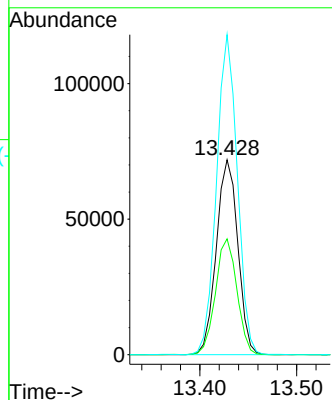
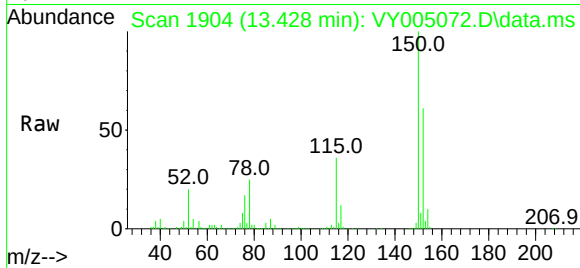




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005072.D  
 Acq: 10 Jun 2021 12:11

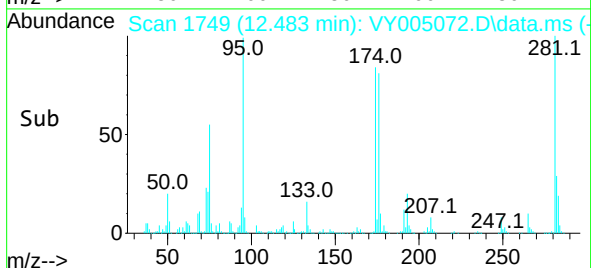
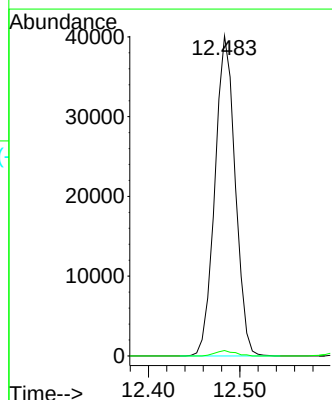
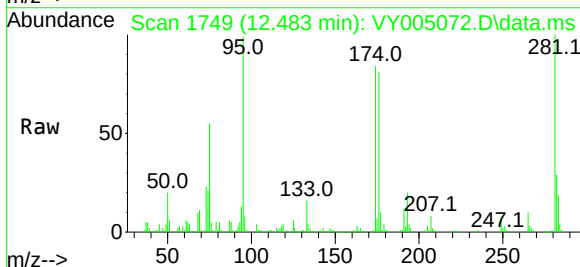
Instrument :  
 MSVOA\_Y  
 ClientSampled :

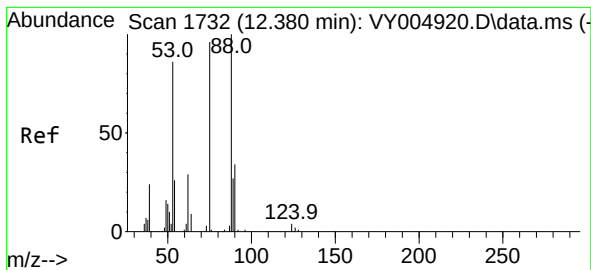
Tgt Ion:152 Resp: 111040  
 Ion Ratio Lower Upper  
 152 100  
 115 59.4 29.9 89.7  
 150 158.9 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 50.930 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY005072.D  
 Acq: 10 Jun 2021 12:11

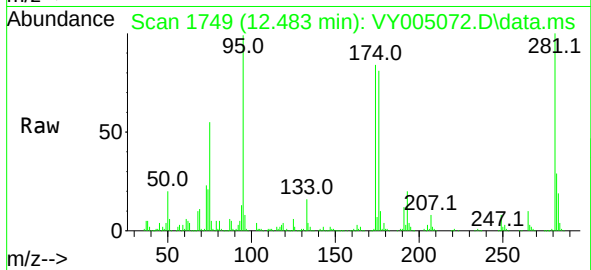
Tgt Ion: 75 Resp: 61993  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 93.598 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.103 min  
 Lab File: VY005072.D  
 Acq: 10 Jun 2021 12:11

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 61993  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 69.3  | 103.9# |
| 89       | 2.5   | 35.0  | 52.6#  |

