

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060821\  
 Data File : VY005014.D  
 Acq On : 08 Jun 2021 11:57  
 Operator : SY/MD  
 Sample : M2612-16  
 Misc : 11.41G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 09 03:48:07 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

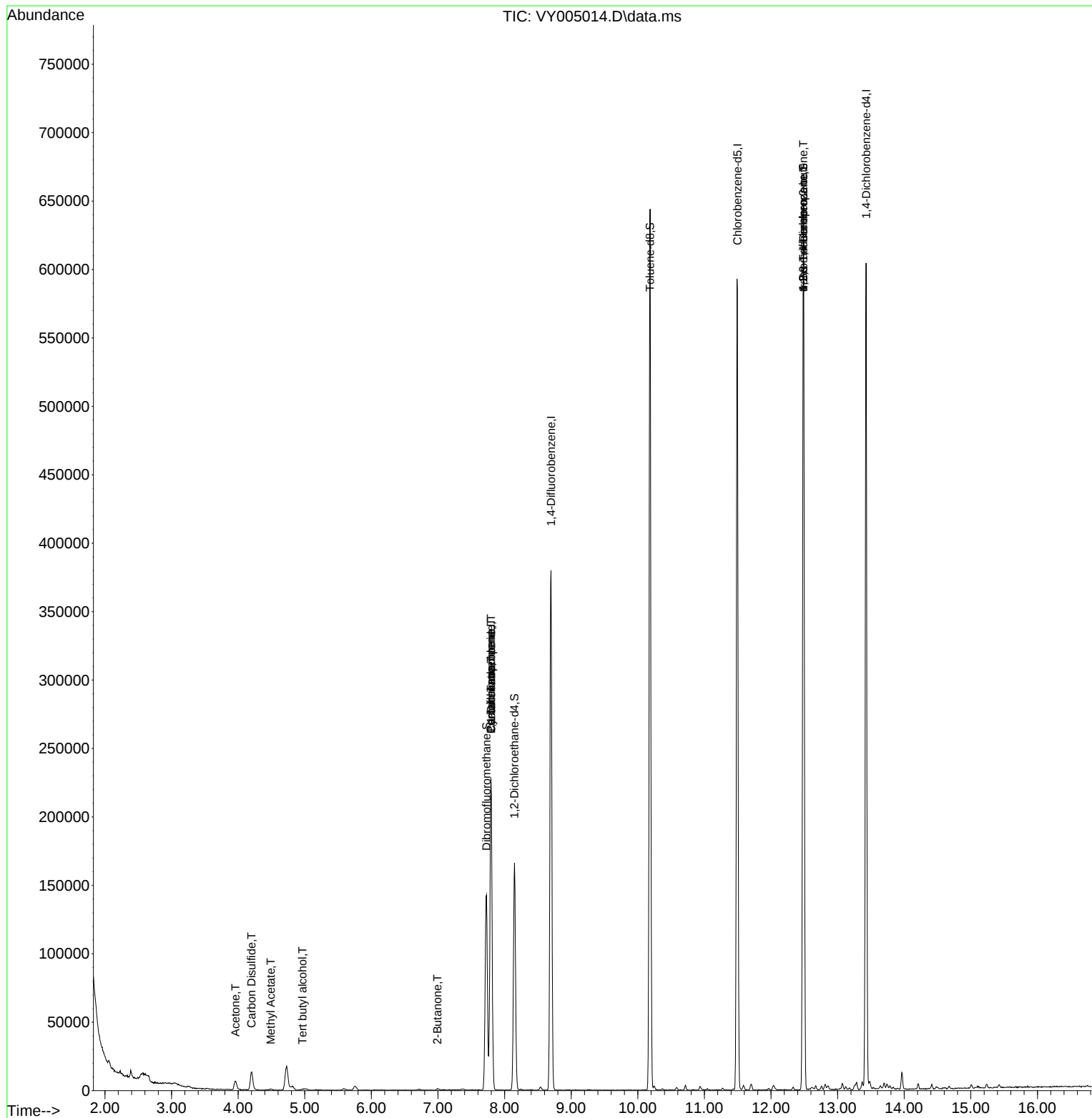
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 172857   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 324682   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 319529   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 146534   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 122438   | 67.001    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 134.000% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 102322   | 58.576    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 117.160% |          |
| 50) Toluene-d8                | 10.185 | 98    | 406211   | 55.992    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 111.980% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 142378   | 57.064    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 114.120% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.966  | 59    | 1027     | 4.887     | ug/l #     | 83       |
| 13) Acrolein                  | 3.735  | 56    | 236      | Below Cal |            | 92       |
| 16) Acetone                   | 3.960  | 43    | 11756    | 26.724    | ug/l       | 99       |
| 17) Carbon Disulfide          | 4.198  | 76    | 26365    | 4.826     | ug/l       | 99       |
| 18) Methyl Acetate            | 4.491  | 43    | 1623     | 1.151     | ug/l #     | 68       |
| 25) 2-Butanone                | 6.990  | 43    | 1792     | 2.423     | ug/l       | 97       |
| 31) Cyclohexane               | 7.795  | 56    | 4011     | 1.247     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 14172    | 4.460     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 17198    | 6.219     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 76345    | 47.529    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 76345    | 87.347    | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

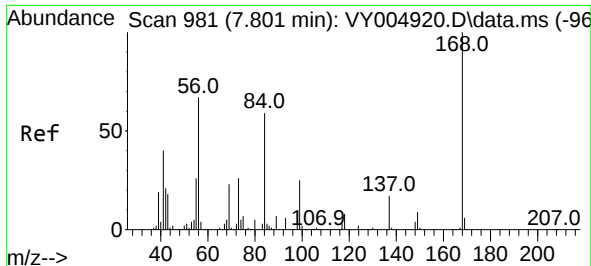
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 2021  
Response via : Initial Calibration

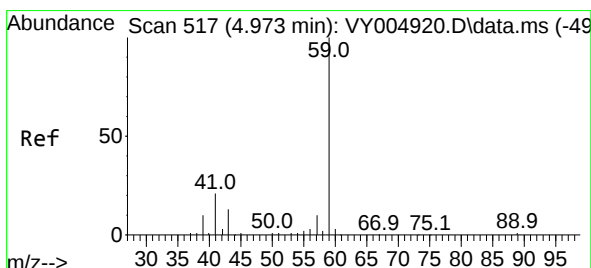
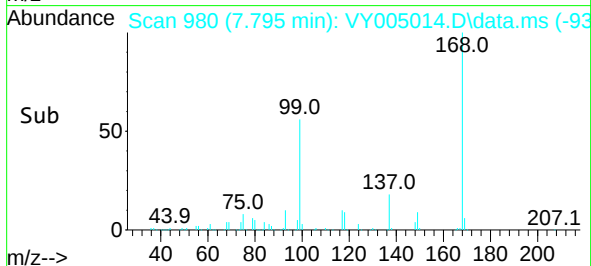
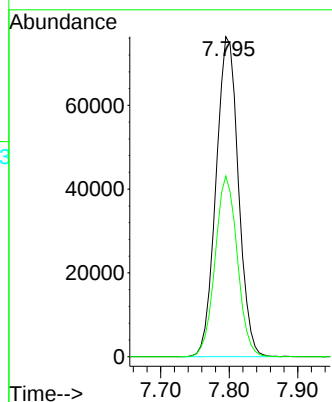
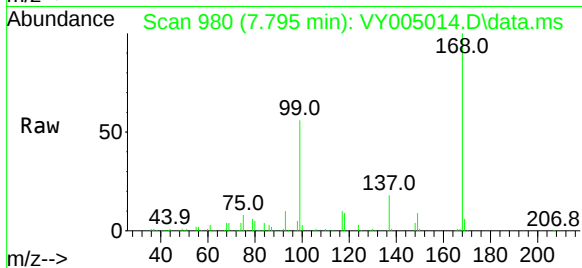




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

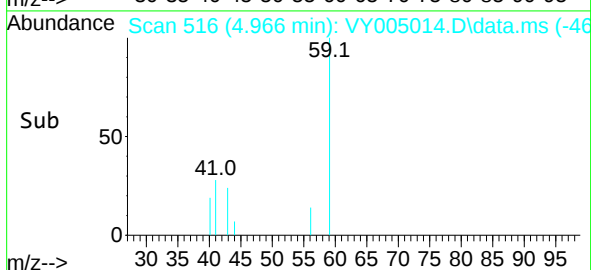
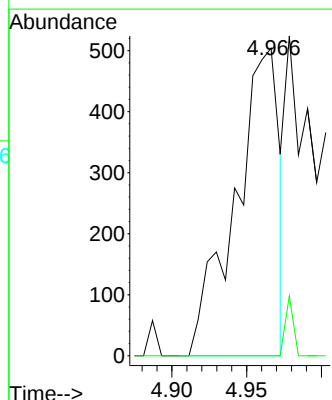
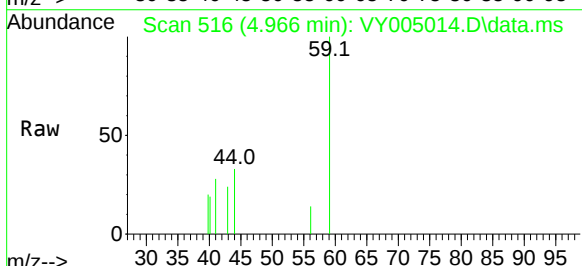
Instrument :  
MSVOA\_Y  
ClientSampleId :

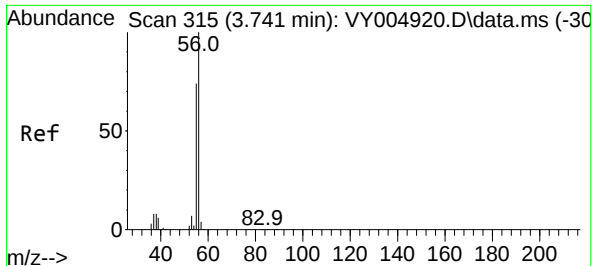
Tgt Ion:168 Resp: 172857  
Ion Ratio Lower Upper  
168 100  
99 56.5 43.9 65.9



#11  
Tert butyl alcohol  
Concen: 4.887 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.007 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

Tgt Ion: 59 Resp: 1027  
Ion Ratio Lower Upper  
59 100  
57 3.5 7.7 11.5#

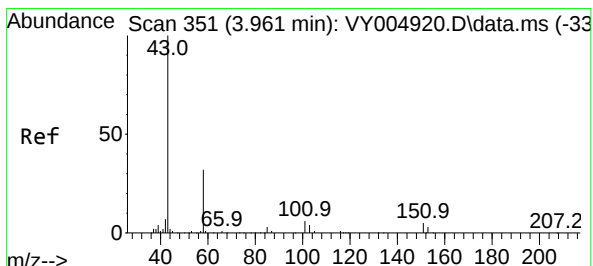
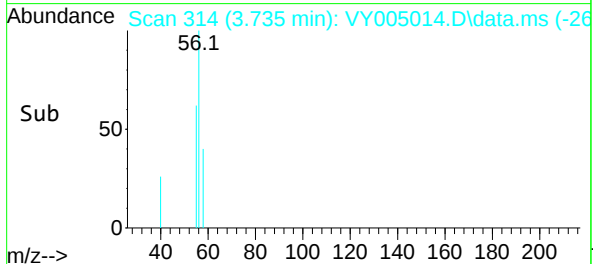
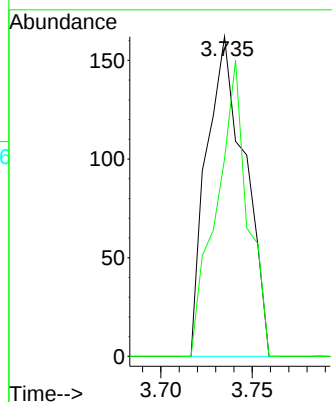
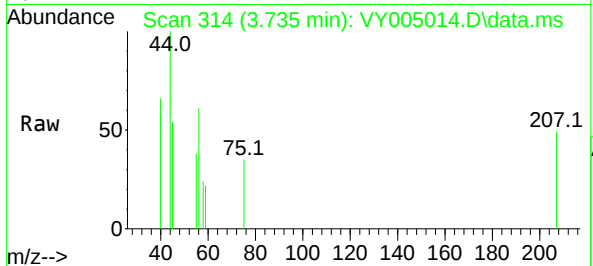




#13  
Acrolein  
Concen: Below Cal  
RT: 3.735 min Scan# 314  
Delta R.T. -0.006 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

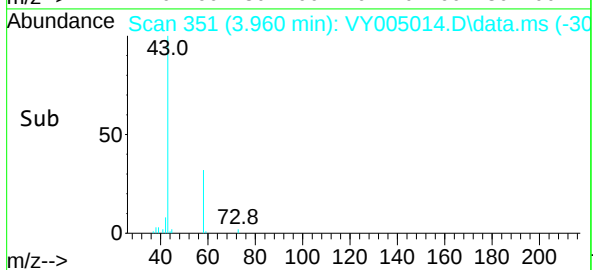
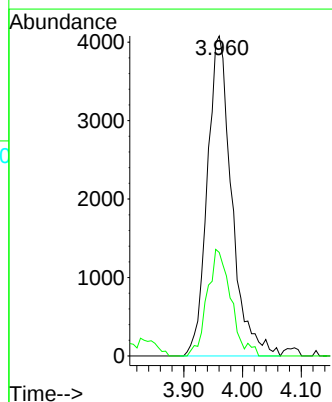
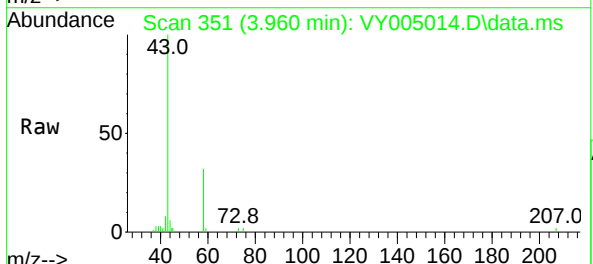
Instrument :  
MSVOA\_Y  
ClientSampleId :

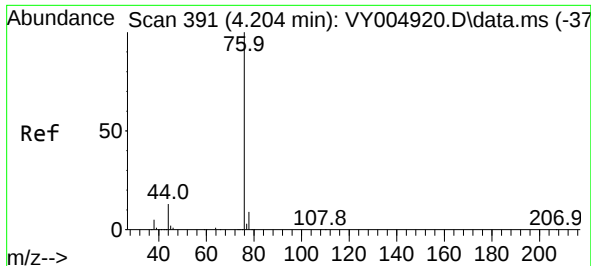
Tgt Ion: 56 Resp: 236  
Ion Ratio Lower Upper  
56 100  
55 75.4 55.4 83.2



#16  
Acetone  
Concen: 26.724 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

Tgt Ion: 43 Resp: 11756  
Ion Ratio Lower Upper  
43 100  
58 32.4 25.3 37.9

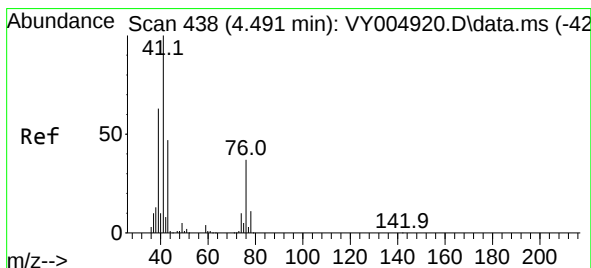
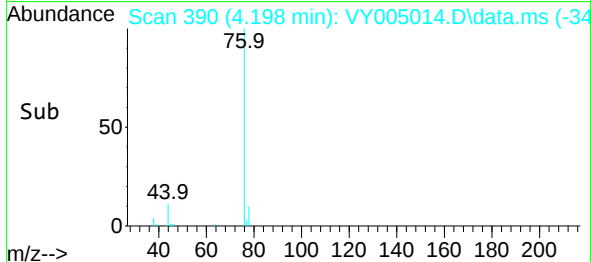
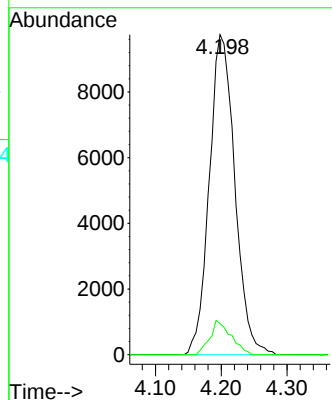
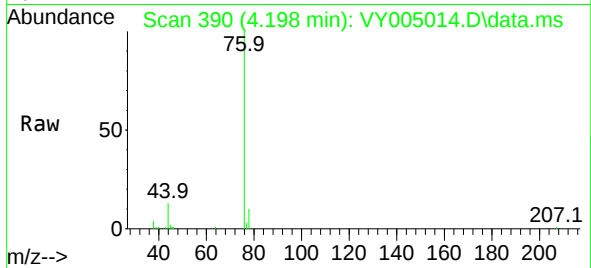




#17  
Carbon Disulfide  
Concen: 4.826 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.006 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

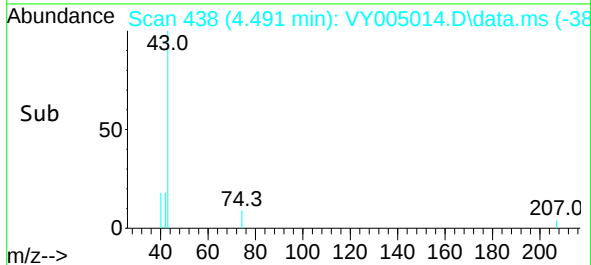
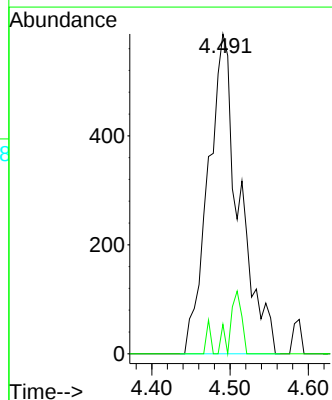
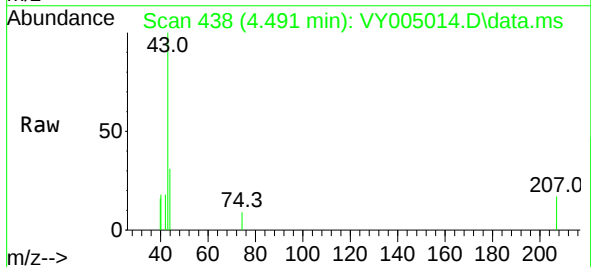
Instrument :  
MSVOA\_Y  
ClientSampled :

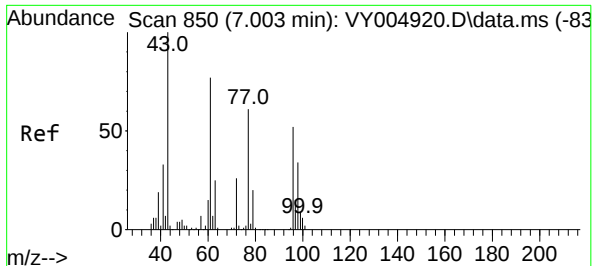
Tgt Ion: 76 Resp: 26365  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.6 11.4



#18  
Methyl Acetate  
Concen: 1.151 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

Tgt Ion: 43 Resp: 1623  
Ion Ratio Lower Upper  
43 100  
74 7.3 18.0 27.0#

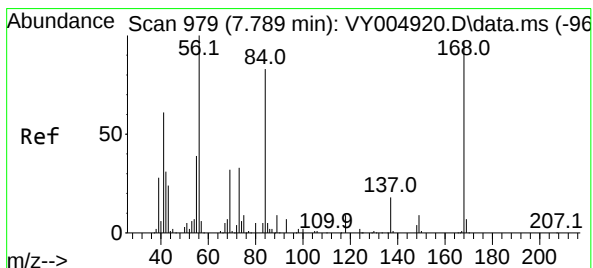
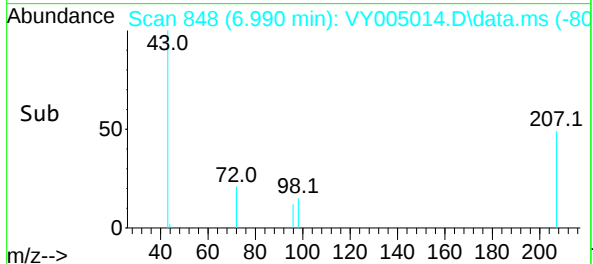
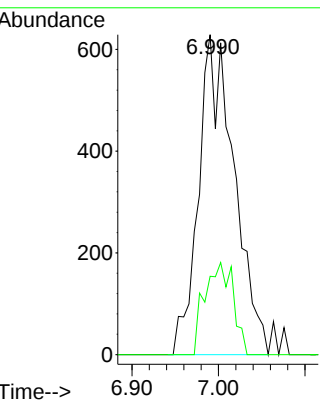
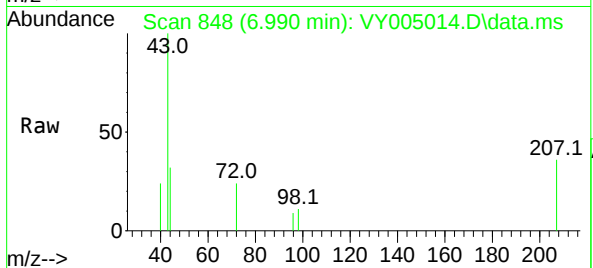




#25  
2-Butanone  
Concen: 2.423 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. -0.012 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

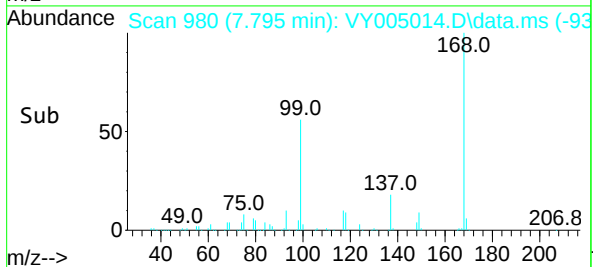
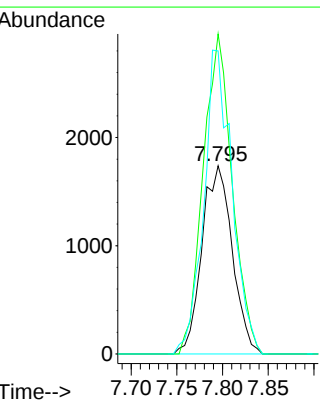
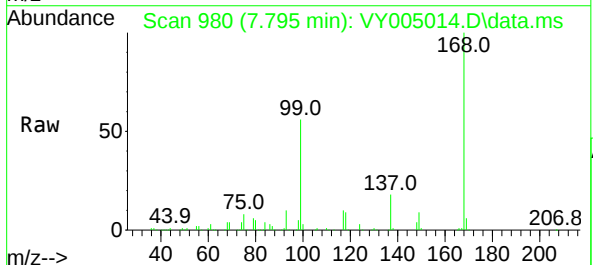
Instrument :  
MSVOA\_Y  
ClientSampleId :

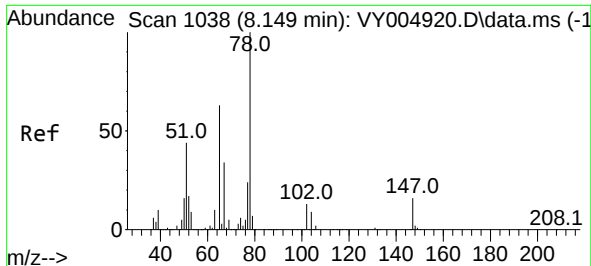
Tgt Ion: 43 Resp: 1792  
Ion Ratio Lower Upper  
43 100  
72 24.5 20.6 31.0



#31  
Cyclohexane  
Concen: 1.247 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

Tgt Ion: 56 Resp: 4011  
Ion Ratio Lower Upper  
56 100  
69 170.1 25.3 37.9#  
84 161.2 66.2 99.4#

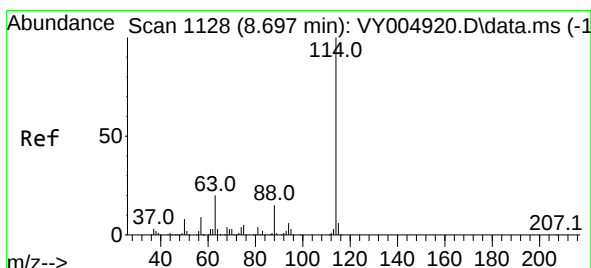
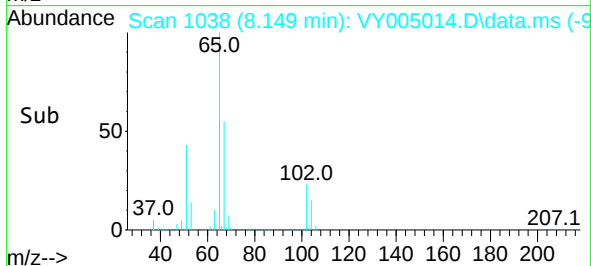
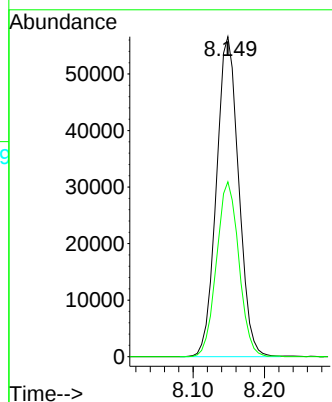
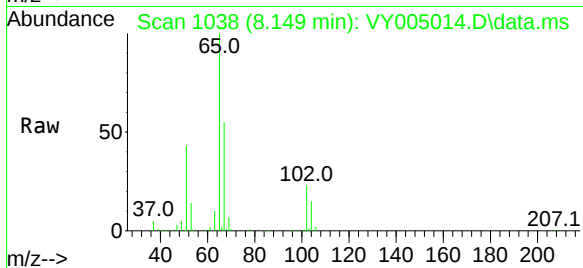




#33  
1,2-Dichloroethane-d4  
Concen: 67.001 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

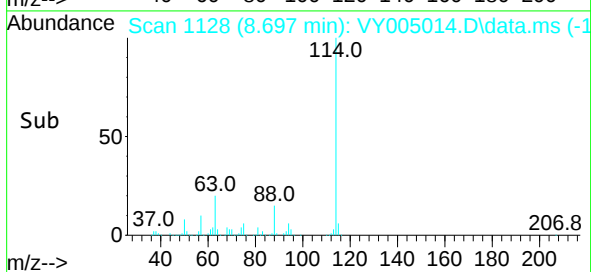
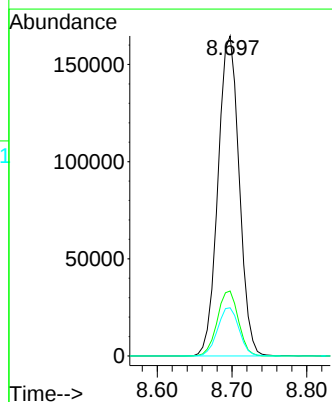
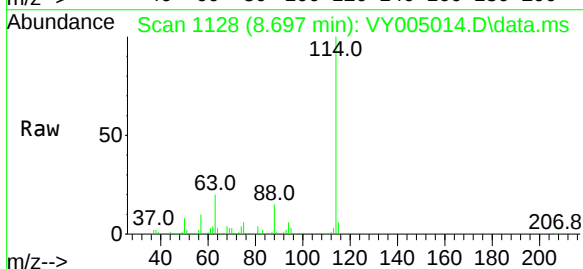
Instrument :  
MSVOA\_Y  
ClientSampleId :

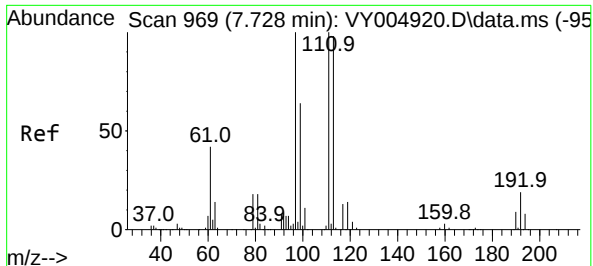
Tgt Ion: 65 Resp: 122438  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 110.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

Tgt Ion: 114 Resp: 324682  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 41.0  
88 15.1 0.0 30.6

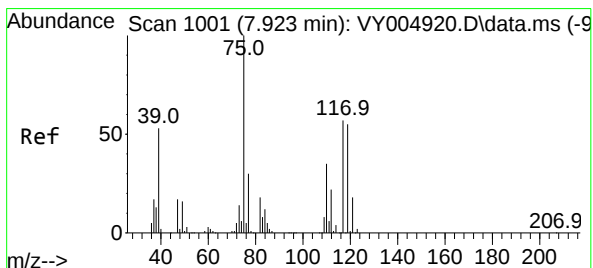
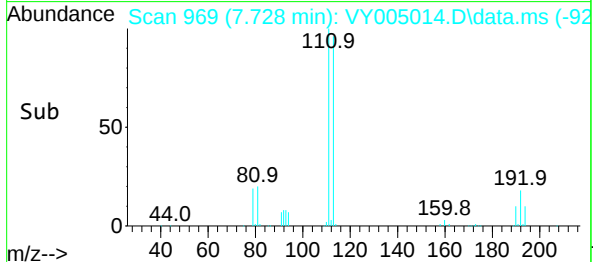
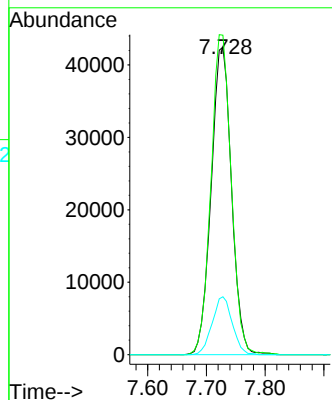
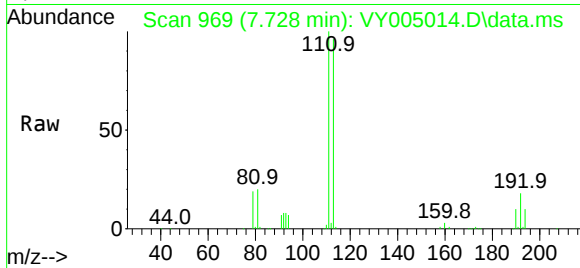




#35  
Dibromofluoromethane  
Concen: 58.576 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

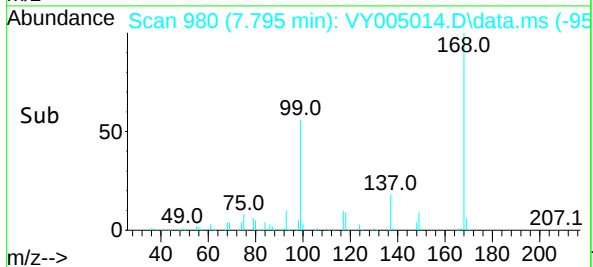
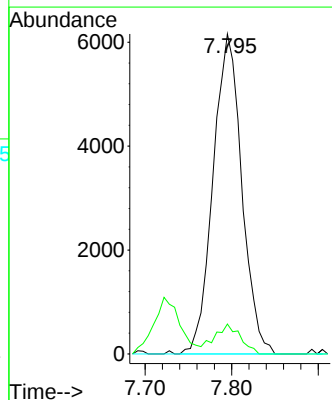
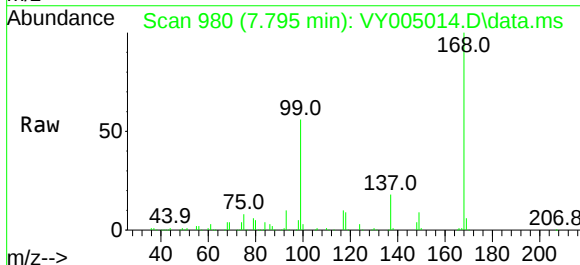
Instrument :  
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ClientSampleId :

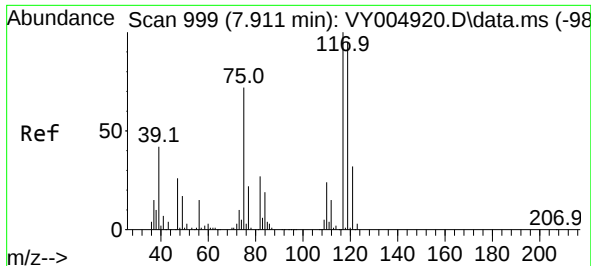
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 102322 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.4 | 81.8  | 122.8  |
| 192      | 18.5  | 15.3  | 22.9   |



#36  
1,1-Dichloropropene  
Concen: 4.460 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 14172 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.3   | 17.5  | 52.5# |
| 77       | 0.0   | 25.1  | 37.7# |

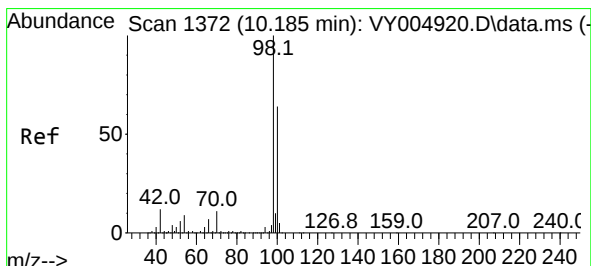
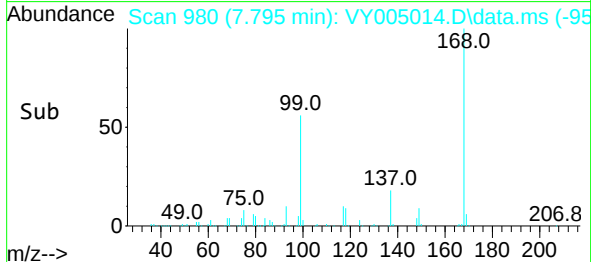
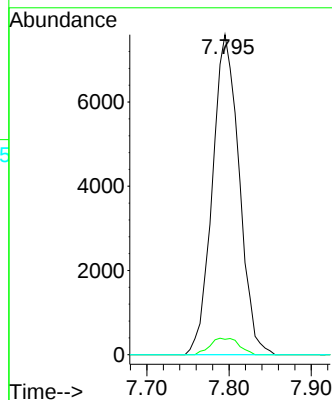
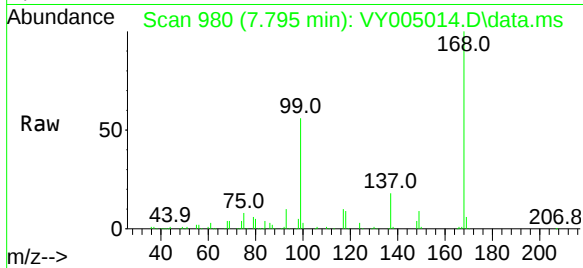




#38  
Carbon Tetrachloride  
Concen: 6.219 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

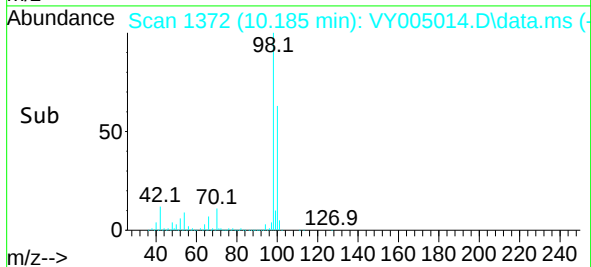
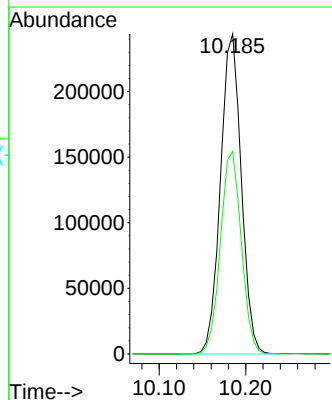
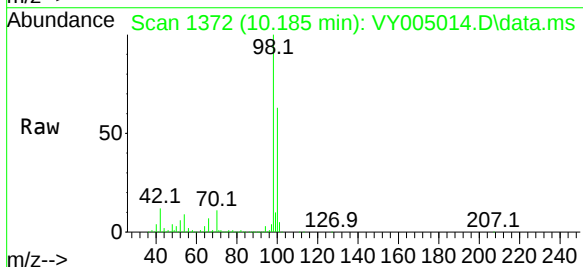
Instrument :  
MSVOA\_Y  
ClientSampleId :

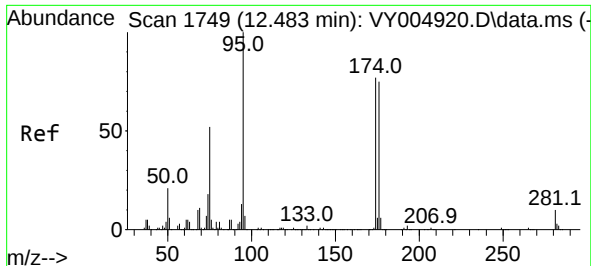
Tgt Ion:117 Resp: 17198  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.1 114.1#  
121 0.0 25.5 38.3#



#50  
Toluene-d8  
Concen: 55.992 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

Tgt Ion: 98 Resp: 406211  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.8 77.6

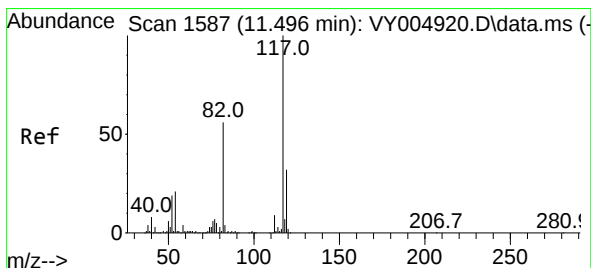
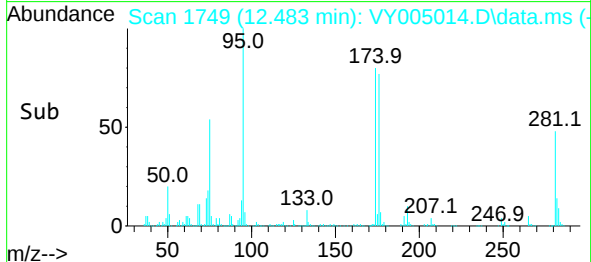
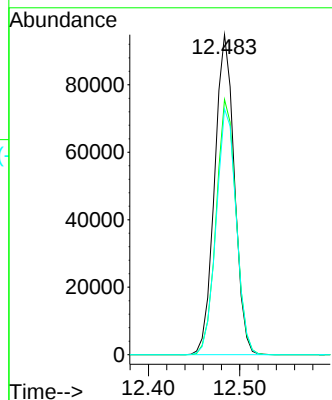
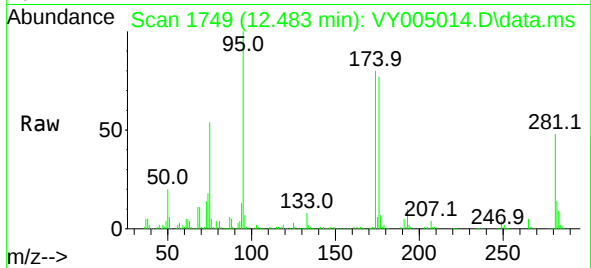




#62  
4-Bromofluorobenzene  
Concen: 57.064 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

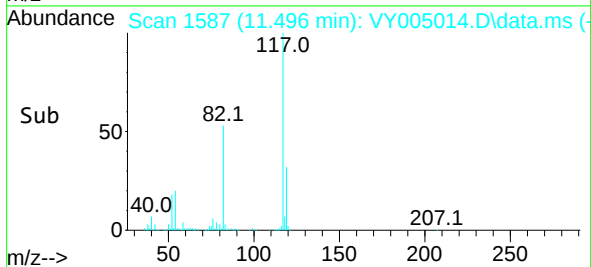
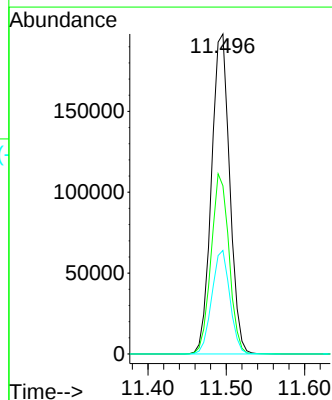
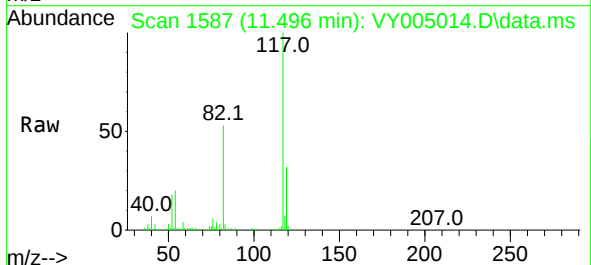
Instrument :  
MSVOA\_Y  
ClientSampleId :

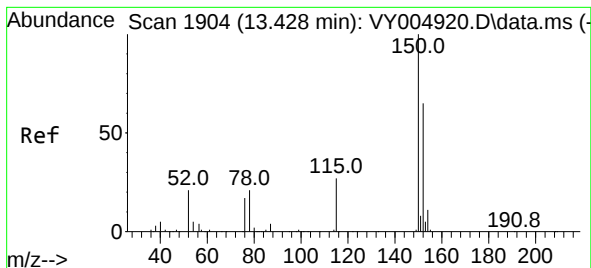
Tgt Ion: 95 Resp: 142378  
Ion Ratio Lower Upper  
95 100  
174 80.1 0.0 160.8  
176 78.0 0.0 155.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005014.D  
Acq: 08 Jun 2021 11:57

Tgt Ion: 117 Resp: 319529  
Ion Ratio Lower Upper  
117 100  
82 52.5 44.8 67.2  
119 32.3 25.2 37.8

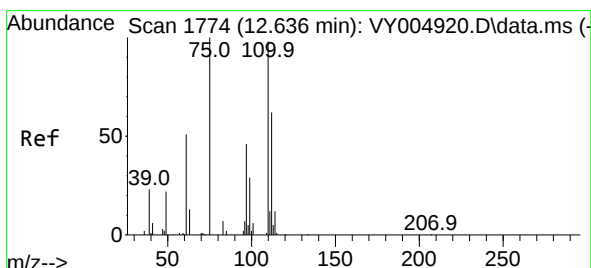
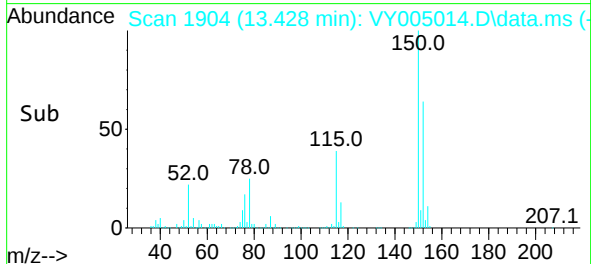
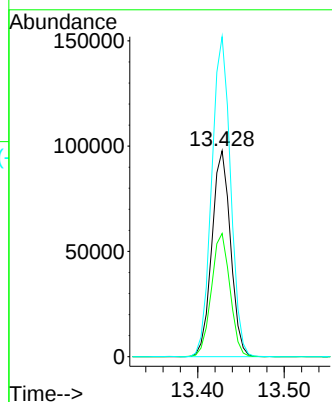
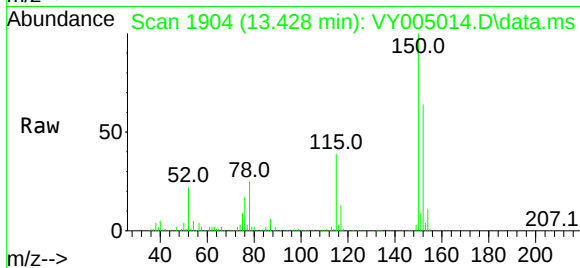




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005014.D  
 Acq: 08 Jun 2021 11:57

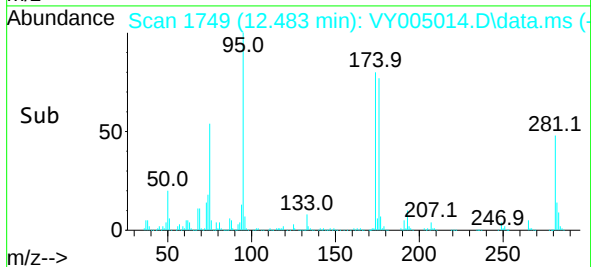
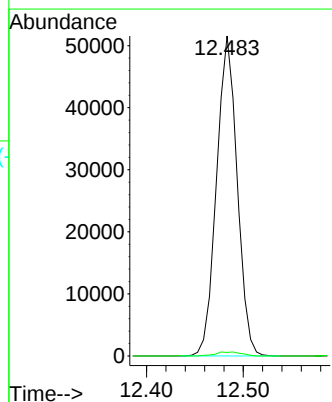
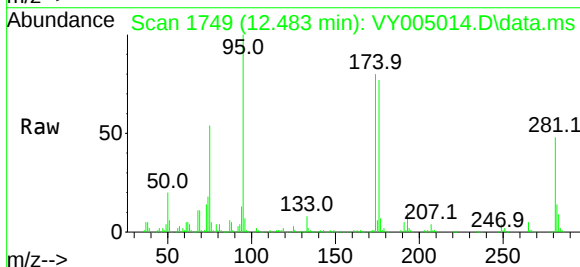
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

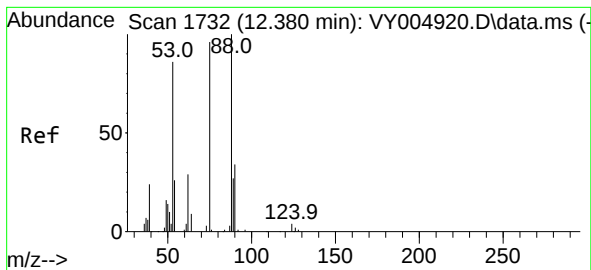
Tgt Ion:152 Resp: 146534  
 Ion Ratio Lower Upper  
 152 100  
 115 59.5 29.9 89.7  
 150 156.6 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 47.529 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY005014.D  
 Acq: 08 Jun 2021 11:57

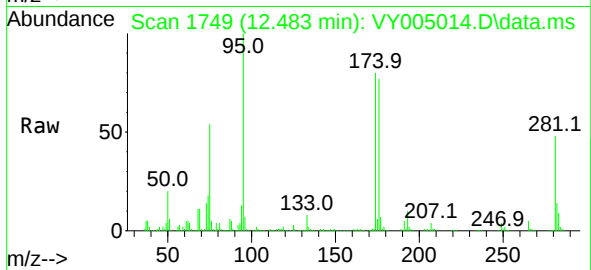
Tgt Ion: 75 Resp: 76345  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 87.347 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY005014.D  
 Acq: 08 Jun 2021 11:57

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 76345  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 69.3 103.9#  
 89 1.4 35.0 52.6#

