

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061021\  
 Data File : VY005091.D  
 Acq On : 10 Jun 2021 20:44  
 Operator : SY/MD  
 Sample : M2672-12  
 Misc : 7.12G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 11 05:09:14 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      | 7.801  | 168  | 42474    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 71447    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 65150    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 27134    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 23516    | 52.371   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 104.740% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 22584    | 58.752   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 117.500% |
| 50) Toluene-d8              | 10.185 | 98    | 87516    | 54.819   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.640% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 25800    | 46.991   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 93.980%  |

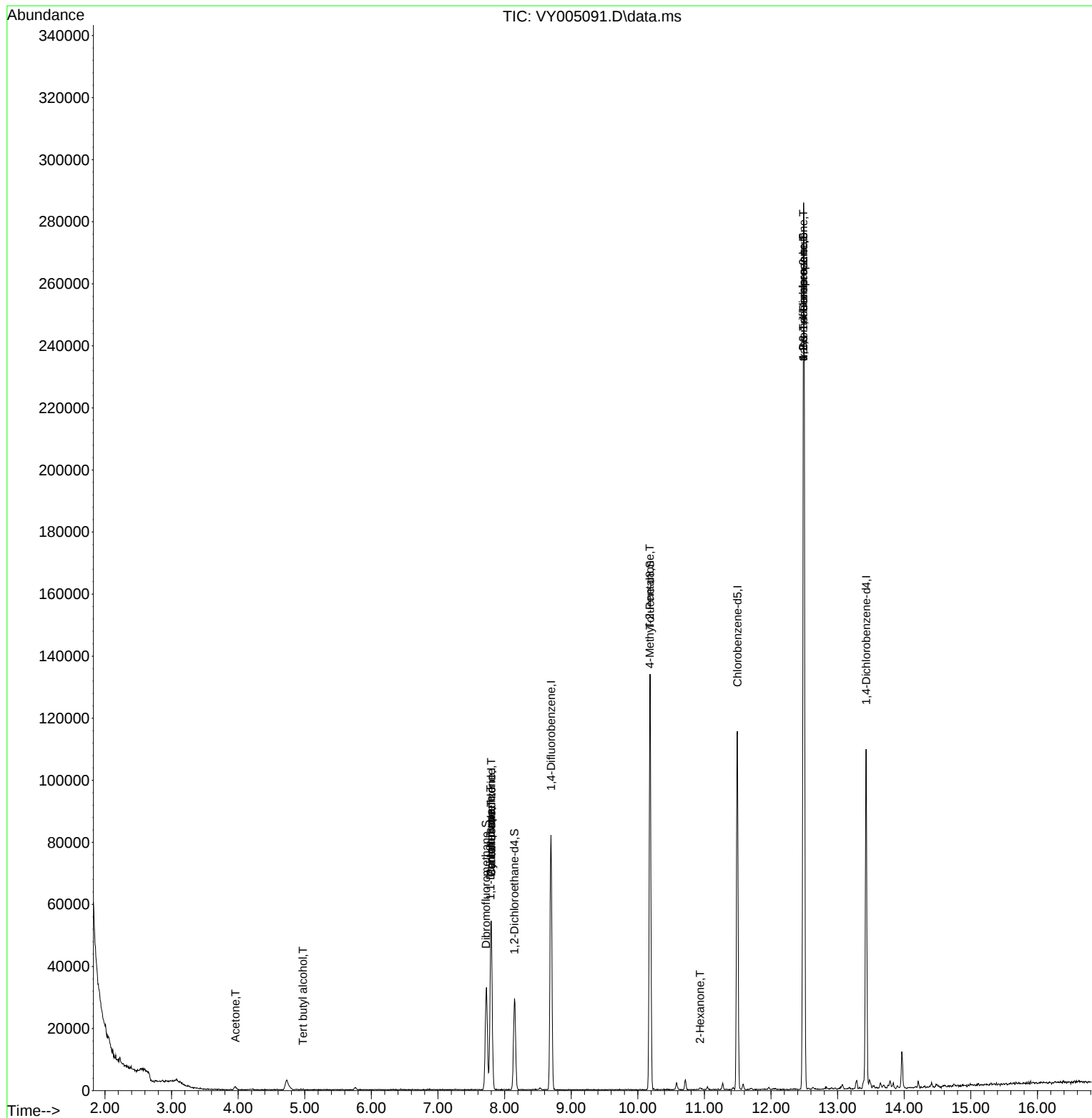
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 11) Tert butyl alcohol        | 4.972  | 59  | 238   | 4.609     | ug/l # | 74  |
| 16) Acetone                   | 3.960  | 43  | 1569  | 14.515    | ug/l # | 83  |
| 20) Methylene Chloride        | 4.722  | 84  | 2217  | Below Cal | #      | 65  |
| 31) Cyclohexane               | 7.795  | 56  | 933   | 1.180     | ug/l # | 15  |
| 36) 1,1-Dichloropropene       | 7.789  | 75  | 3432  | 4.908     | ug/l # | 48  |
| 38) Carbon Tetrachloride      | 7.801  | 117 | 4582  | 7.530     | ug/l # | 16  |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43  | 433   | 1.000     | ug/l # | 1   |
| 59) 2-Hexanone                | 10.935 | 43  | 330   | 1.128     | ug/l # | 25  |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 15268 | 51.331    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 15268 | 94.335    | ug/l # | 18  |

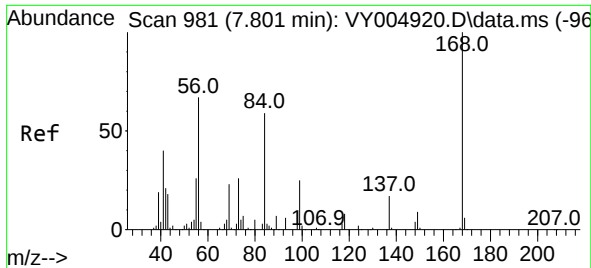
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061021\  
Data File : VY005091.D  
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Sample : M2672-12  
Misc : 7.12G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jun 11 05:09:14 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

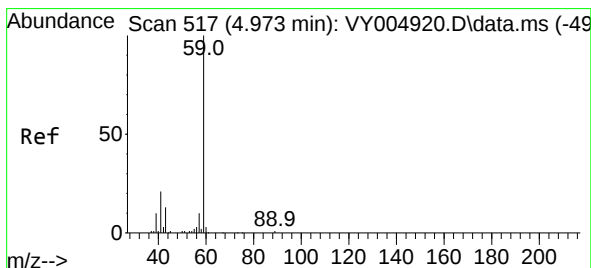
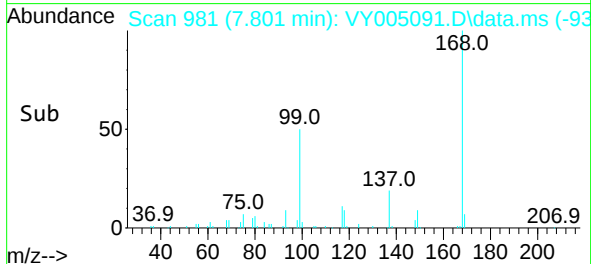
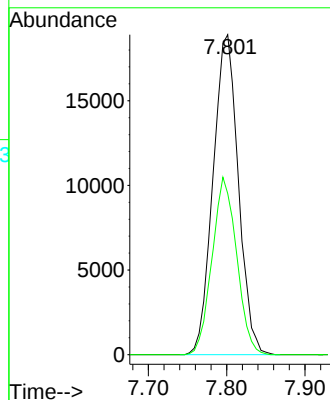
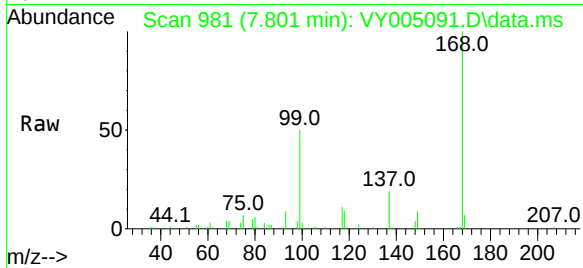




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

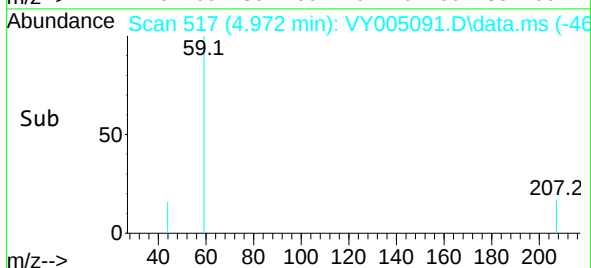
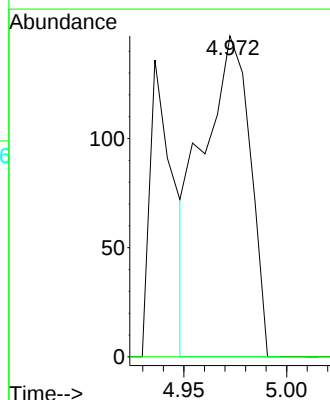
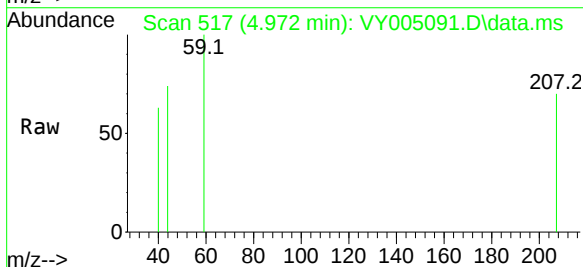
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 42474  
Ion Ratio Lower Upper  
168 100  
99 50.4 43.9 65.9



#11  
Tert butyl alcohol  
Concen: 4.609 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

Tgt Ion: 59 Resp: 238  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

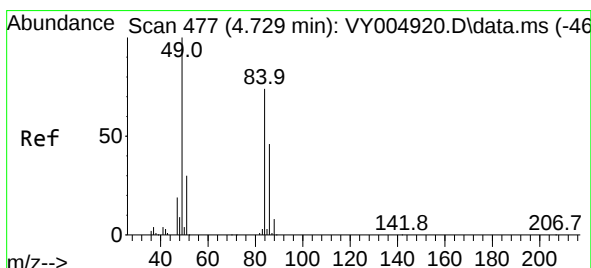
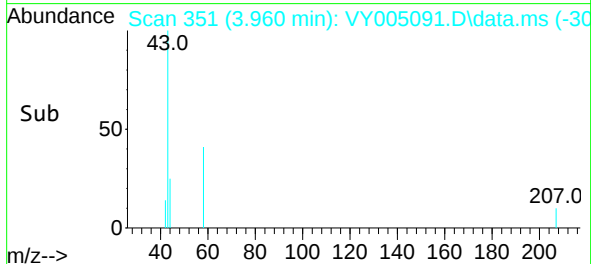
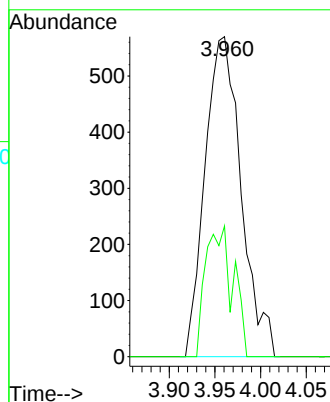
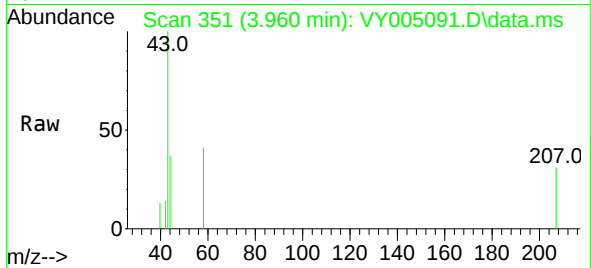




#16  
Acetone  
Concen: 14.515 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

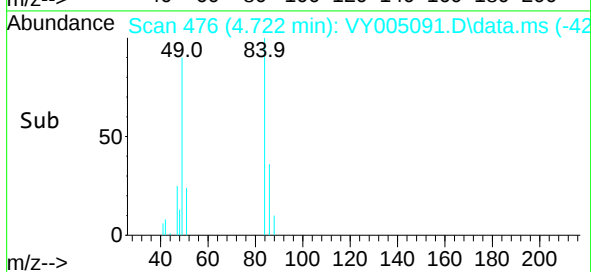
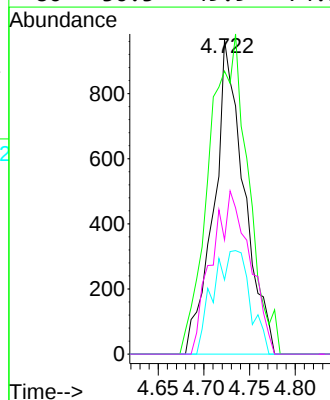
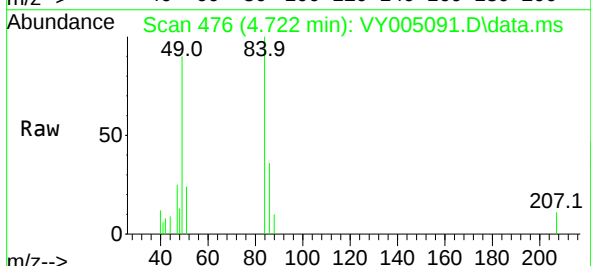
Instrument :  
MSVOA\_Y  
ClientSampled :

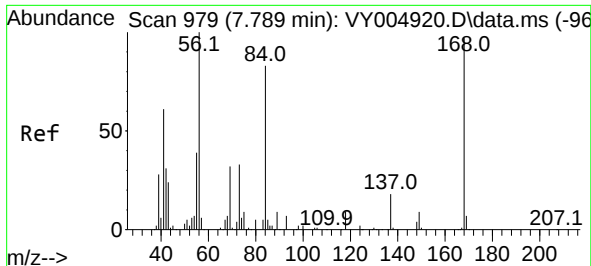
Tgt Ion: 43 Resp: 1569  
Ion Ratio Lower Upper  
43 100  
58 40.9 25.3 37.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. -0.007 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

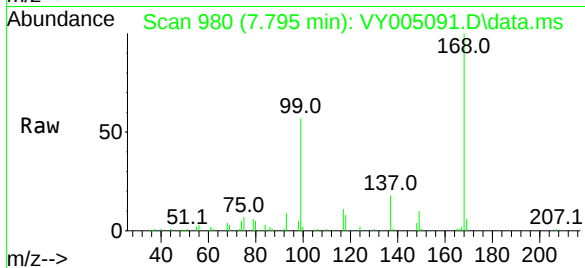
Tgt Ion: 84 Resp: 2217  
Ion Ratio Lower Upper  
84 100  
49 90.0 108.0 162.0#  
51 23.6 32.6 48.8#  
86 36.3 49.9 74.9#



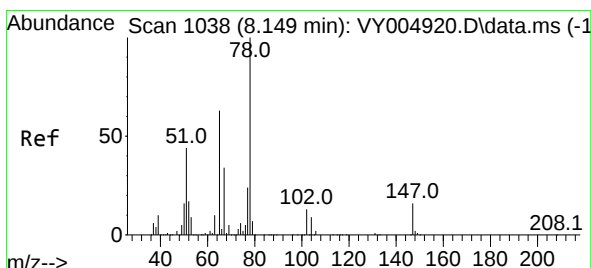
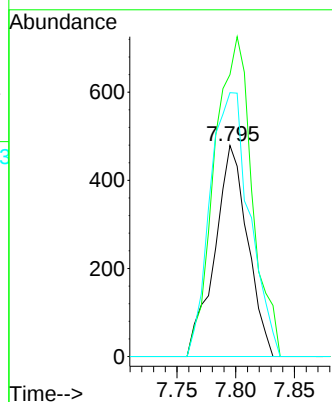
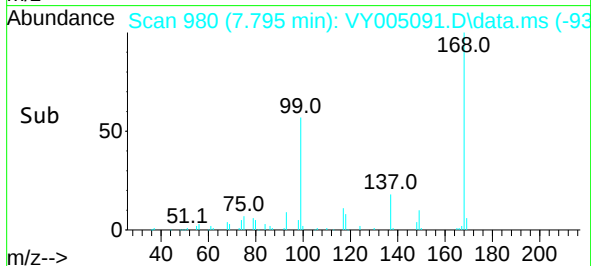


#31  
Cyclohexane  
Concen: 1.180 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

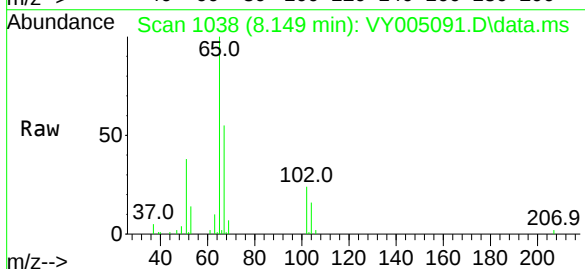
Instrument :  
MSVOA\_Y  
ClientSampled :



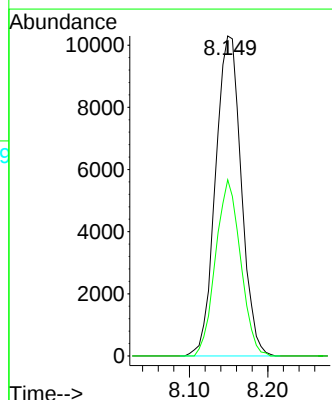
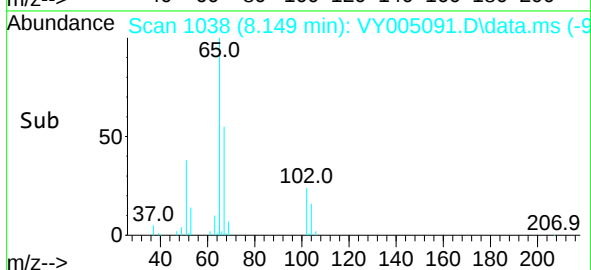
Tgt Ion: 56 Resp: 933  
Ion Ratio Lower Upper  
56 100  
69 133.6 25.3 37.9#  
84 125.1 66.2 99.4#

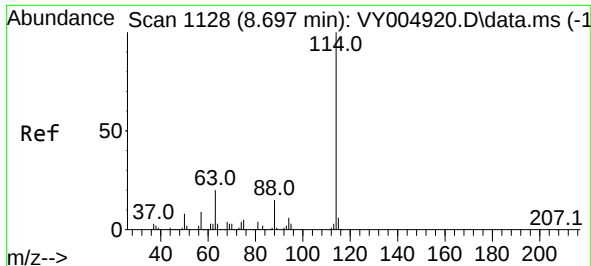


#33  
1,2-Dichloroethane-d4  
Concen: 52.371 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44



Tgt Ion: 65 Resp: 23516  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 110.6

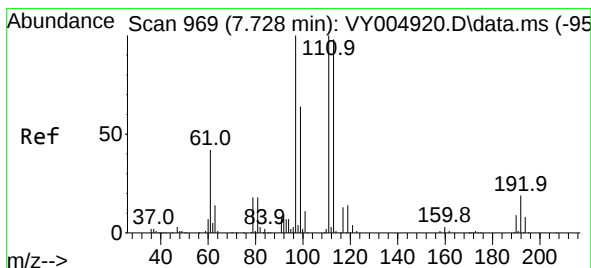
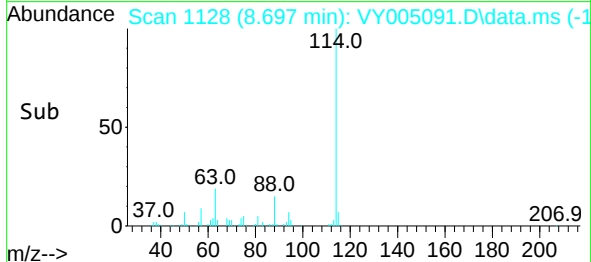
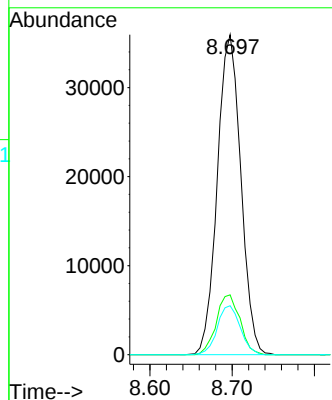
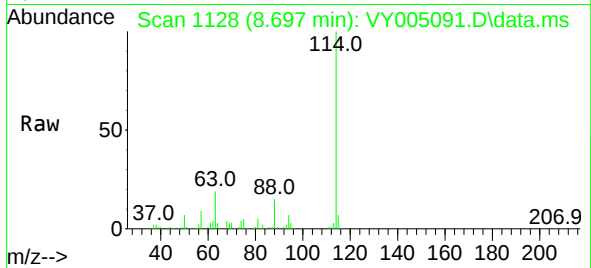




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

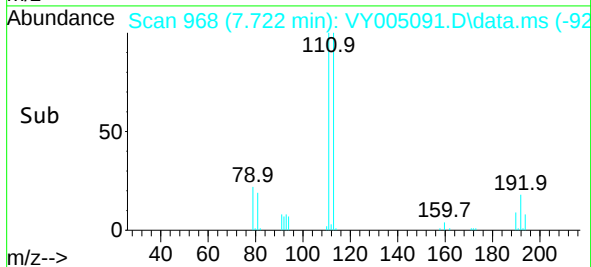
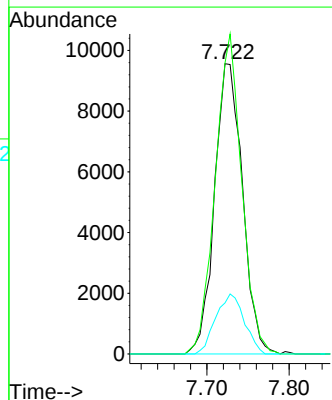
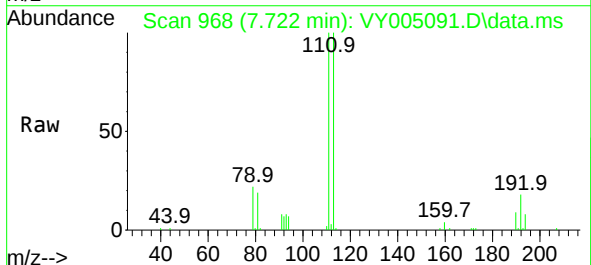
Instrument :  
MSVOA\_Y  
ClientSampled :

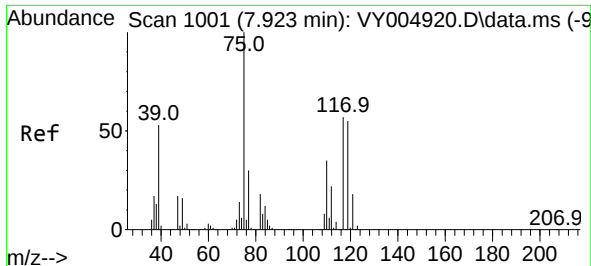
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 71447 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.7  | 0.0   | 41.0  |
| 88       | 15.3  | 0.0   | 30.6  |



#35  
Dibromofluoromethane  
Concen: 58.752 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 22584 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.6 | 81.8  | 122.8 |
| 192      | 21.1  | 15.3  | 22.9  |

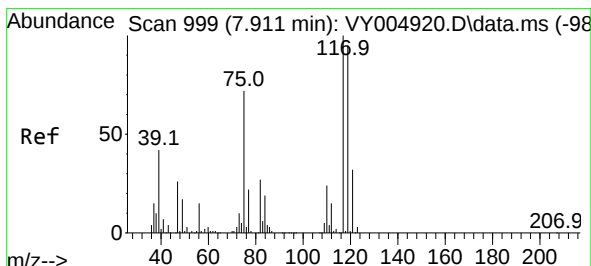
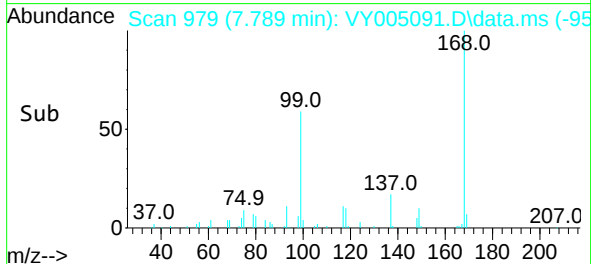
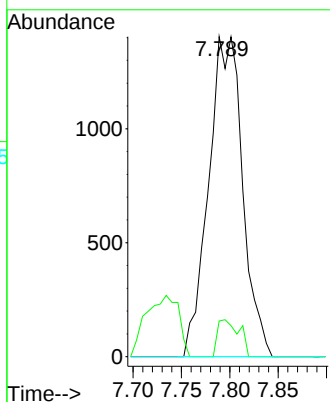
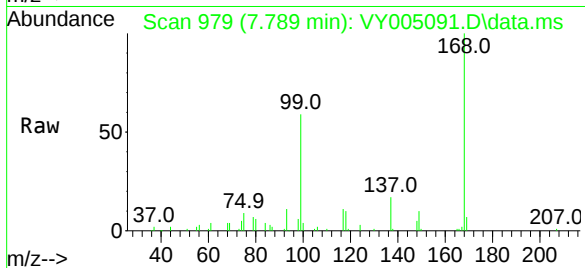




#36  
1,1-Dichloropropene  
Concen: 4.908 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

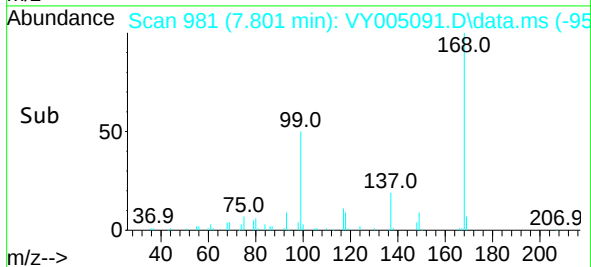
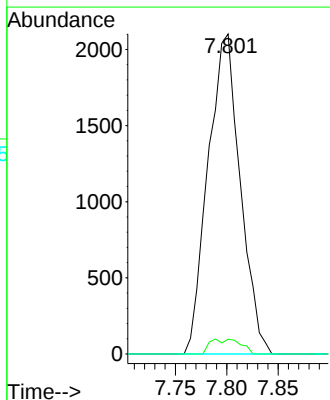
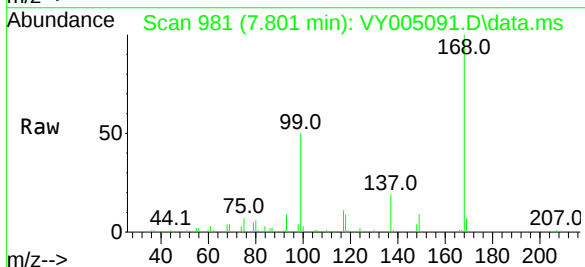
Instrument :  
MSVOA\_Y  
ClientSampleId :

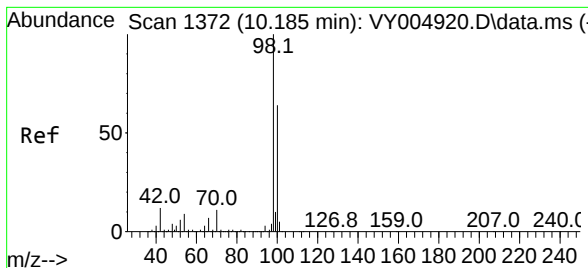
Tgt Ion: 75 Resp: 3432  
Ion Ratio Lower Upper  
75 100  
110 7.3 17.5 52.5#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 7.530 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

Tgt Ion: 117 Resp: 4582  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.1 114.1#  
121 0.0 25.5 38.3#

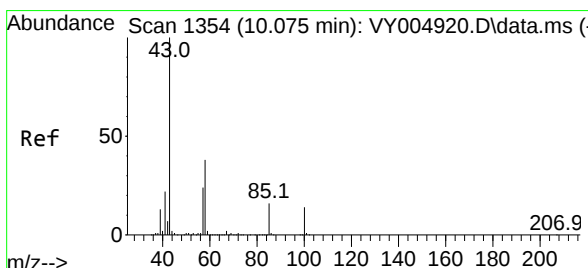
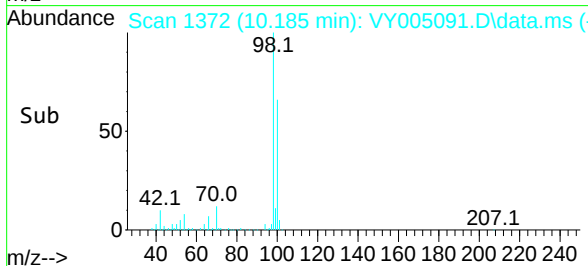
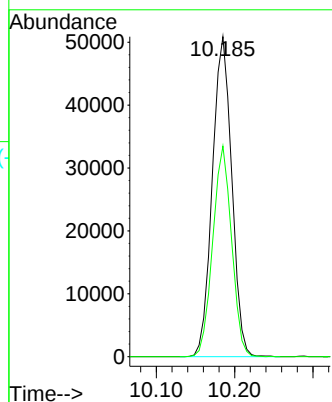
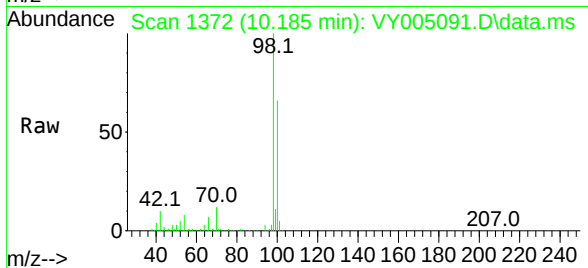




#50  
Toluene-d8  
Concen: 54.819 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

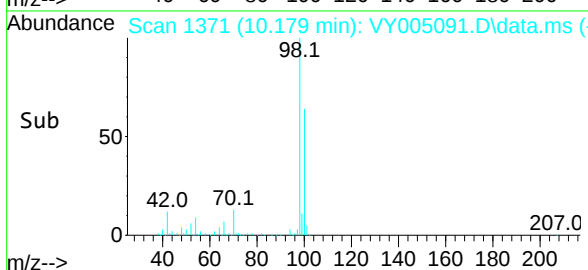
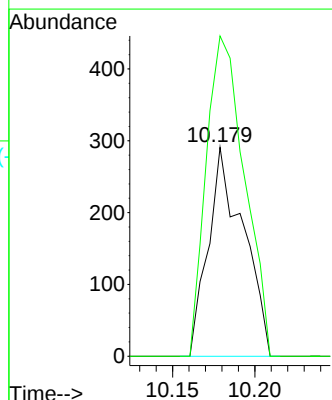
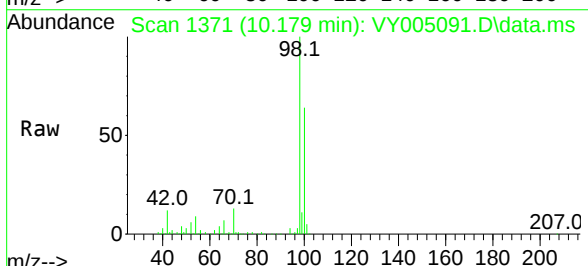
Instrument :  
MSVOA\_Y  
ClientSampled :

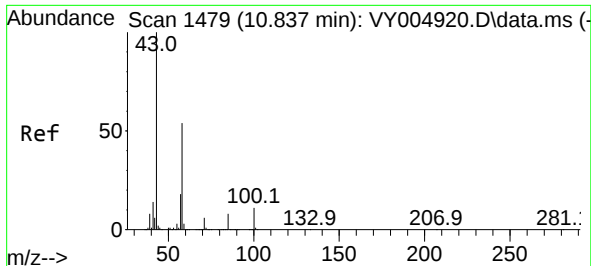
Tgt Ion: 98 Resp: 87516  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 1.000 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.104 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

Tgt Ion: 43 Resp: 433  
Ion Ratio Lower Upper  
43 100  
58 167.0 30.6 46.0#

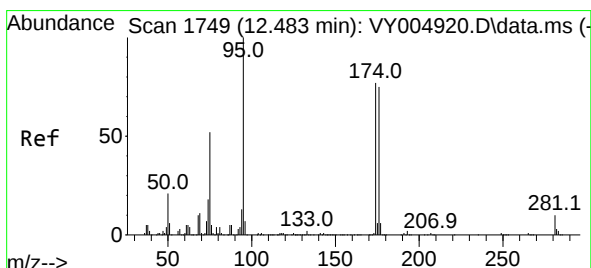
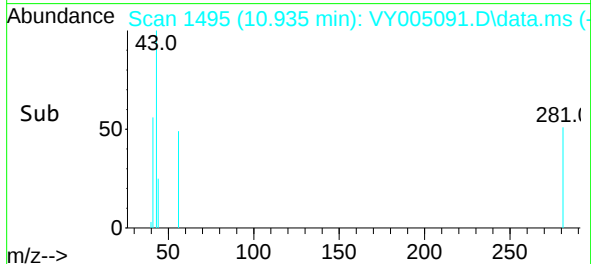
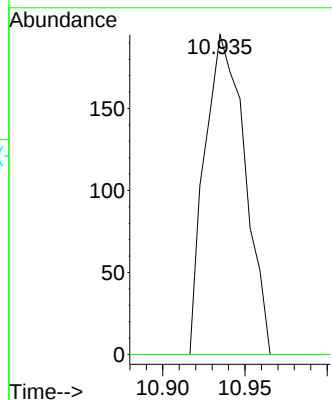
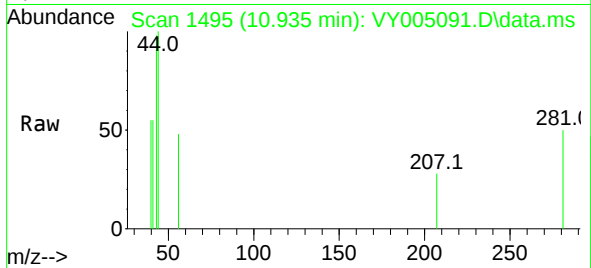




#59  
2-Hexanone  
Concen: 1.128 ug/l  
RT: 10.935 min Scan# 1495  
Delta R.T. 0.097 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

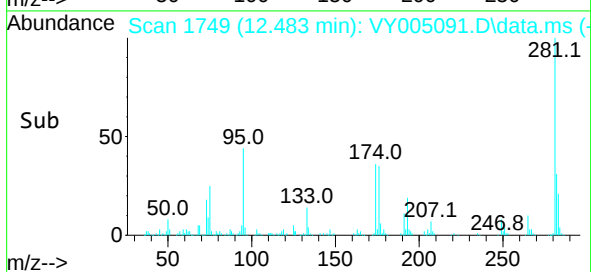
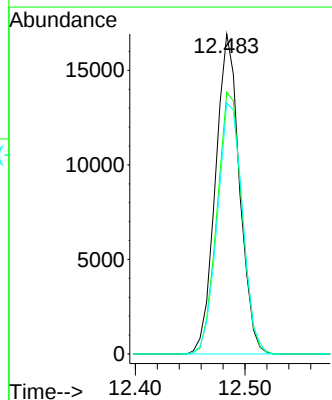
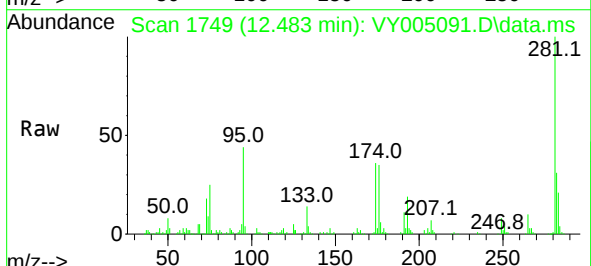
Instrument :  
MSVOA\_Y  
ClientSampled :

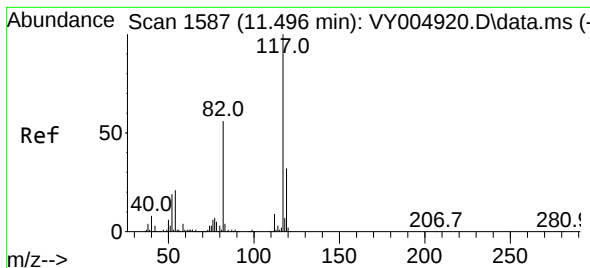
Tgt Ion: 43 Resp: 330  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 80.8#



#62  
4-Bromofluorobenzene  
Concen: 46.991 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

Tgt Ion: 95 Resp: 25800  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 160.8  
176 82.1 0.0 155.6

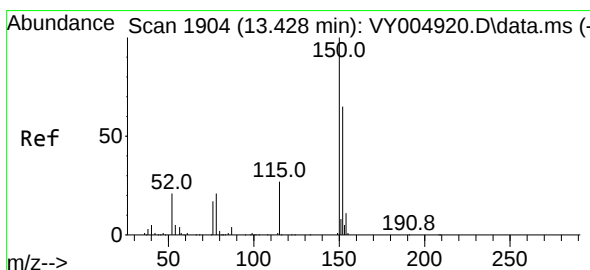
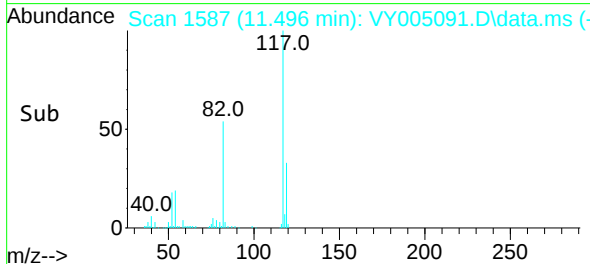
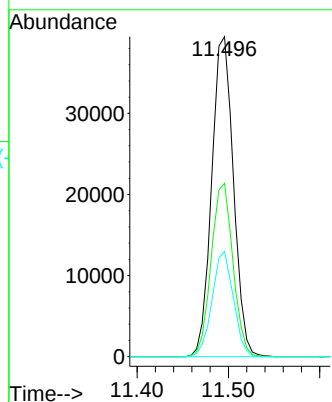
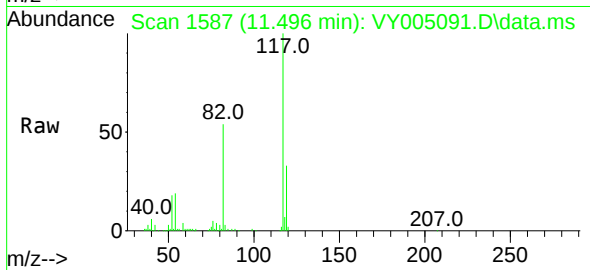




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

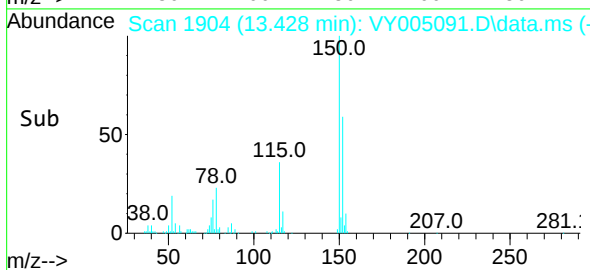
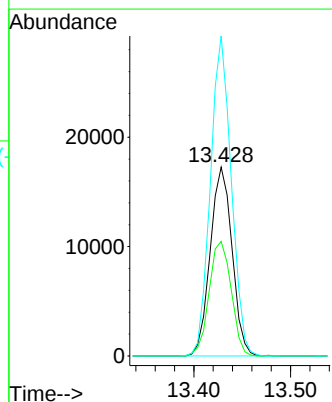
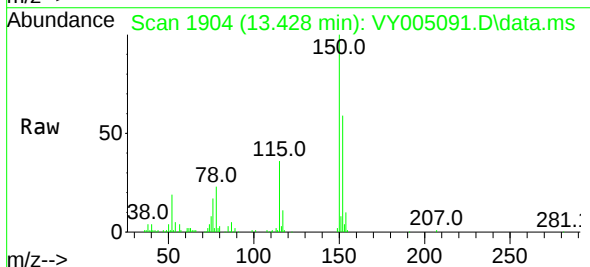
Instrument :  
MSVOA\_Y  
ClientSampleId :

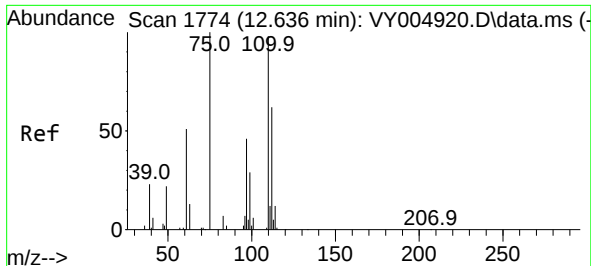
Tgt Ion:117 Resp: 65150  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.8 67.2  
119 32.9 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

Tgt Ion:152 Resp: 27134  
Ion Ratio Lower Upper  
152 100  
115 61.3 29.9 89.7  
150 161.7 0.0 347.8

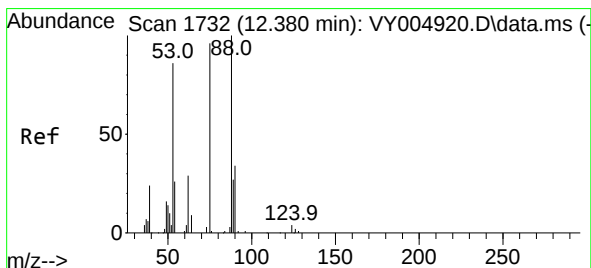
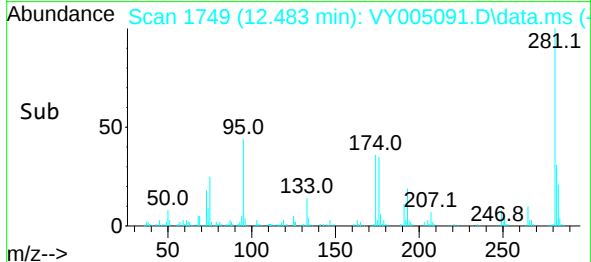
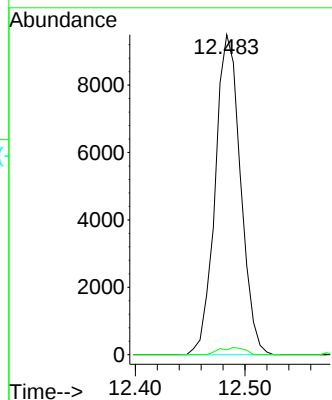
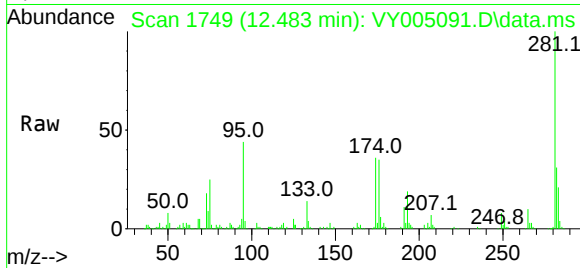




#76  
1,2,3-Trichloropropane  
Concen: 51.331 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 15268  
Ion Ratio Lower Upper  
75 100  
77 2.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.335 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005091.D  
Acq: 10 Jun 2021 20:44

Tgt Ion: 75 Resp: 15268  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.3 103.9#  
89 5.5 35.0 52.6#

