

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061021\  
 Data File : VY005098.D  
 Acq On : 11 Jun 2021 01:20  
 Operator : SY/MD  
 Sample : M2672-13  
 Misc : 9.42G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 11 07:06:54 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  | 170748   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 311367   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 307229   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 142355   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 111018   | 61.502   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 123.000% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 96960    | 57.880   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 115.760% |
| 50) Toluene-d8              | 10.185 | 98    | 382446   | 54.970   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.940% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 134665   | 56.281   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 112.560% |

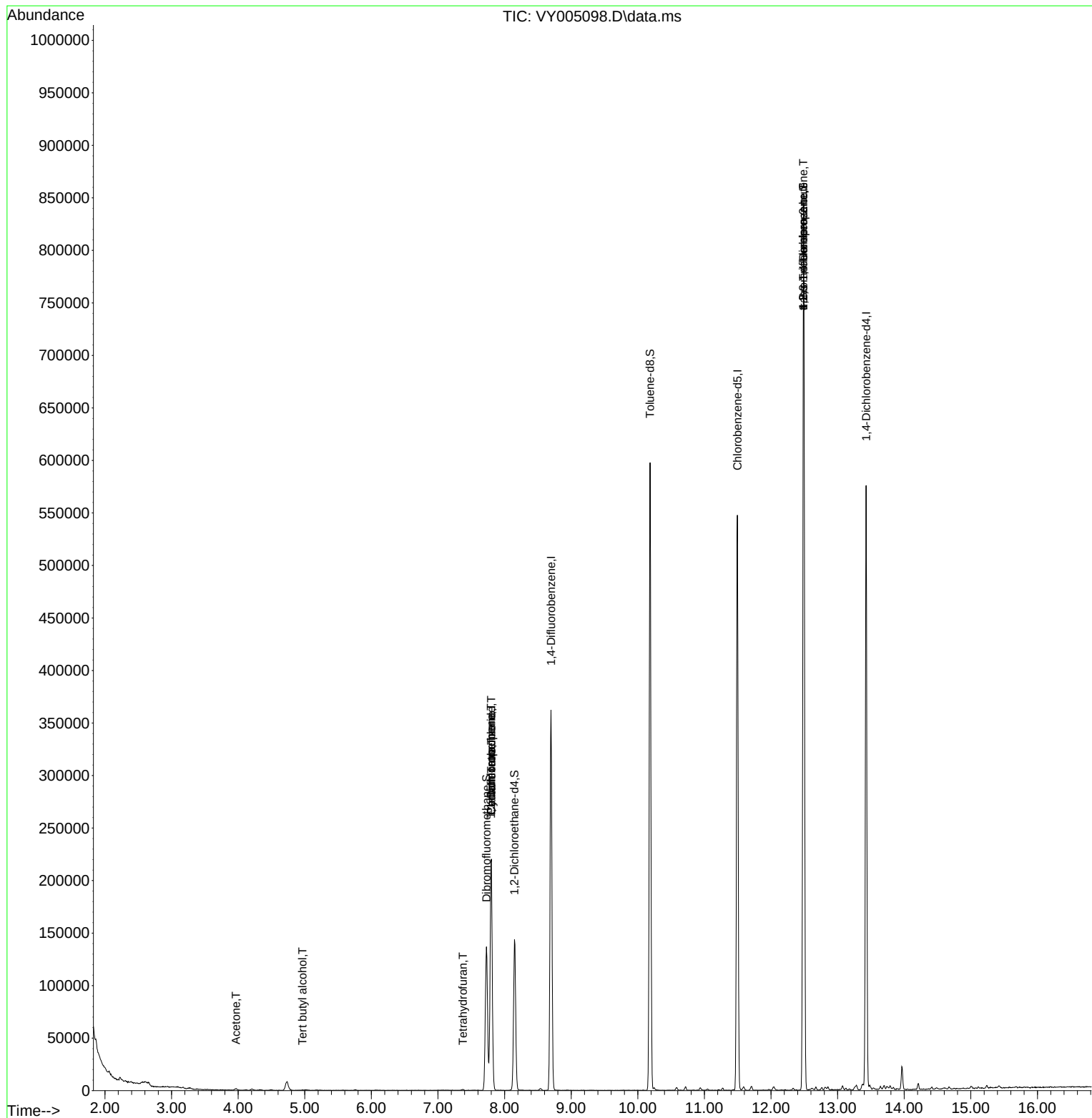
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 11) Tert butyl alcohol        | 4.966  | 59  | 723   | 3.483     | ug/l # | 74  |
| 13) Acrolein                  | 3.729  | 56  | 66    | Below Cal | #      | 1   |
| 16) Acetone                   | 3.966  | 43  | 2612  | 6.011     | ug/l # | 86  |
| 20) Methylene Chloride        | 4.729  | 84  | 6014  | Below Cal |        | 92  |
| 29) Tetrahydrofuran           | 7.374  | 42  | 546   | 1.175     | ug/l # | 79  |
| 31) Cyclohexane               | 7.801  | 56  | 3405  | 1.071     | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 7.795  | 75  | 13142 | 4.313     | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.801  | 117 | 16692 | 6.294     | ug/l # | 16  |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 73893 | 47.353    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 73893 | 87.023    | ug/l # | 16  |

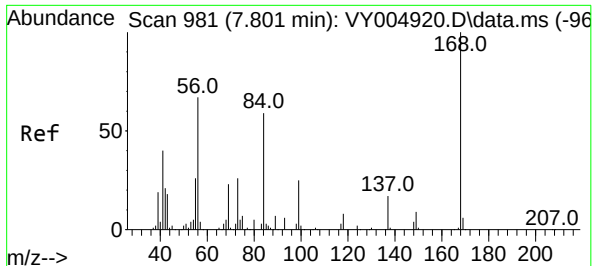
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061021\  
Data File : VY005098.D  
Acq On : 11 Jun 2021 01:20  
Operator : SY/MD  
Sample : M2672-13  
Misc : 9.42G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

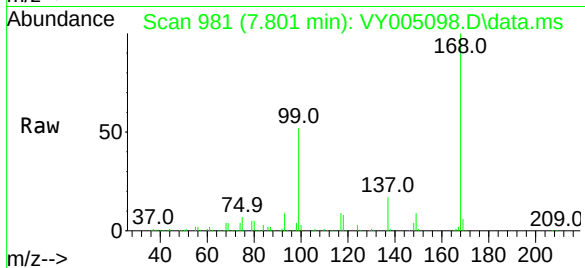
Quant Time: Jun 11 07:06:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 2021  
Response via : Initial Calibration



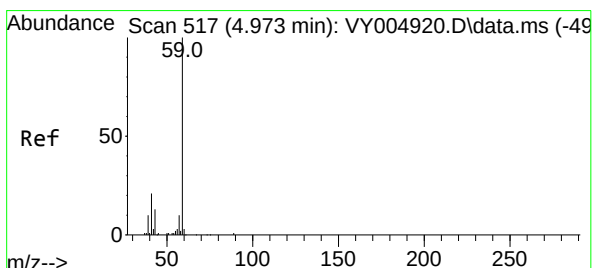
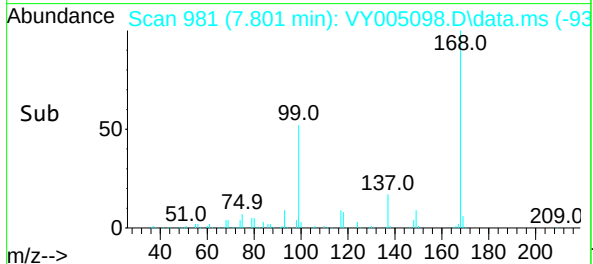
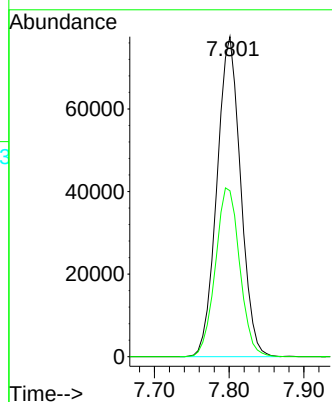


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

Instrument :  
MSVOA\_Y  
ClientSampled :

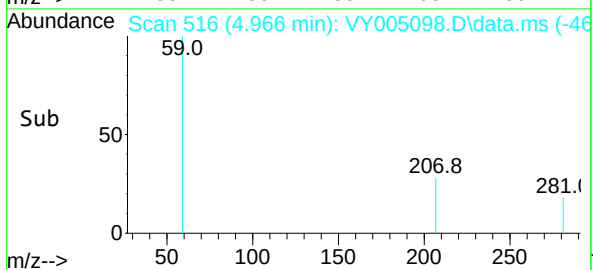
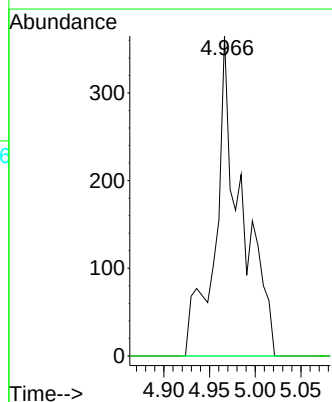
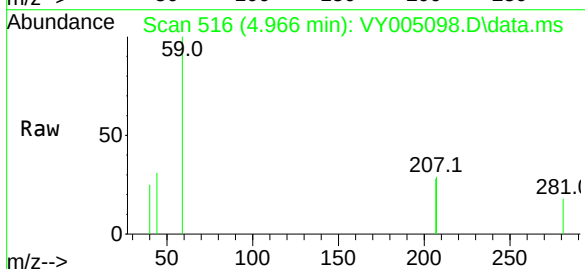


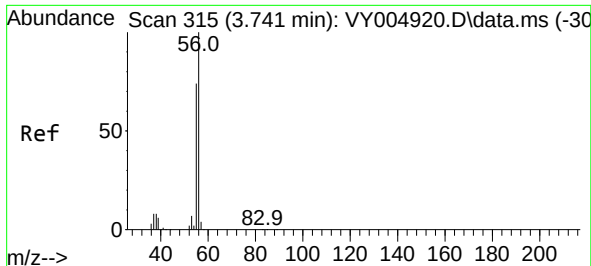
Tgt Ion:168 Resp: 170748  
Ion Ratio Lower Upper  
168 100  
99 51.9 43.9 65.9



#11  
Tert butyl alcohol  
Concen: 3.483 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.007 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

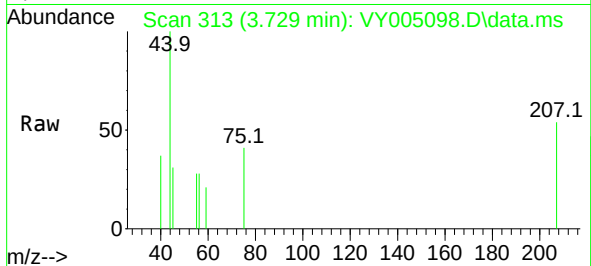
Tgt Ion: 59 Resp: 723  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#



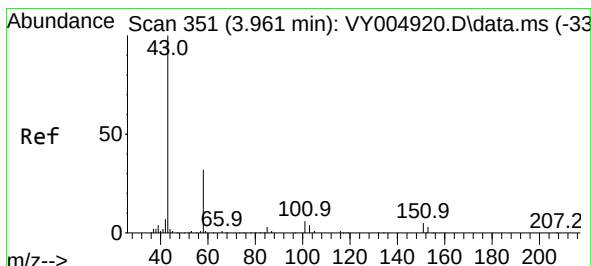
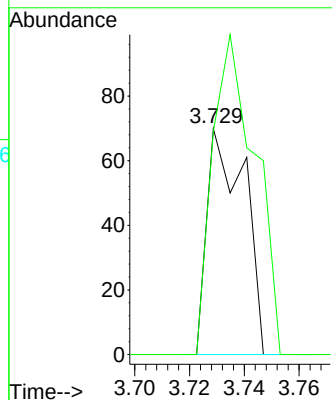
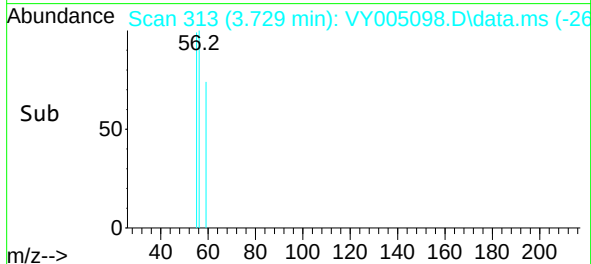


#13  
Acrolein  
Concen: Below Cal  
RT: 3.729 min Scan# 313  
Delta R.T. -0.012 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

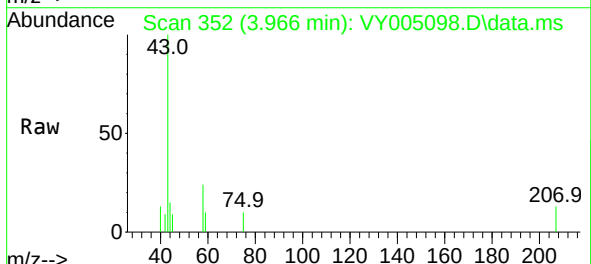
Instrument :  
MSVOA\_Y  
ClientSampled :



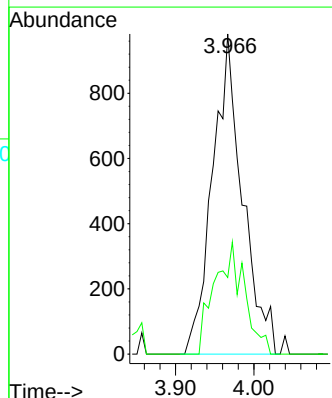
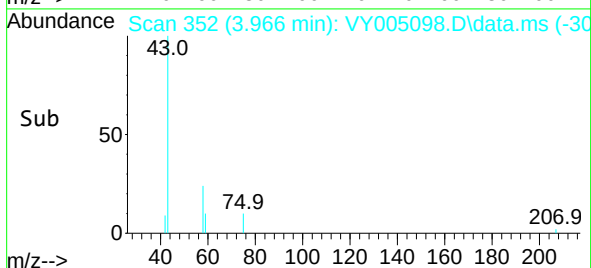
Tgt Ion: 56 Resp: 66  
Ion Ratio Lower Upper  
56 100  
55 162.1 55.4 83.2#

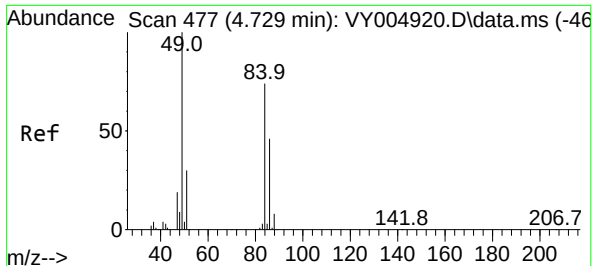


#16  
Acetone  
Concen: 6.011 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20



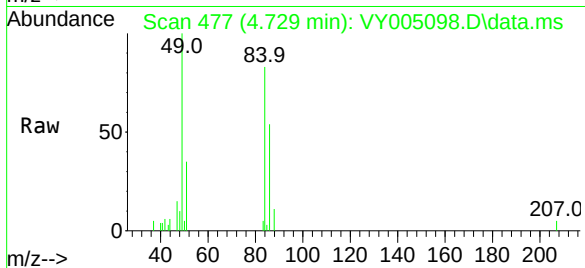
Tgt Ion: 43 Resp: 2612  
Ion Ratio Lower Upper  
43 100  
58 23.9 25.3 37.9#



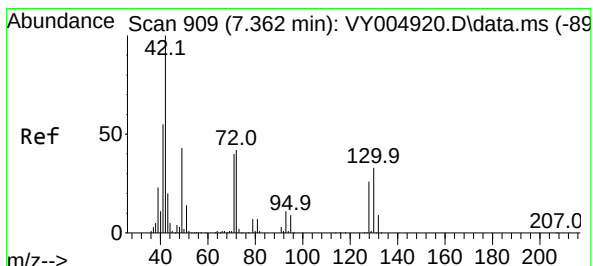
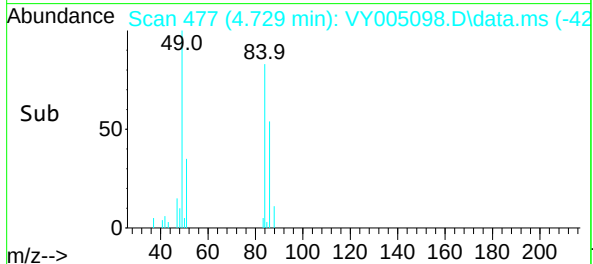
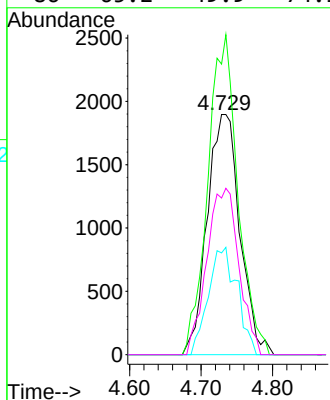


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.729 min Scan# 477  
Delta R.T. -0.000 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

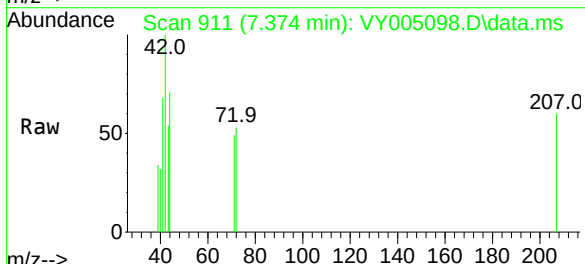
Instrument :  
MSVOA\_Y  
ClientSampled :



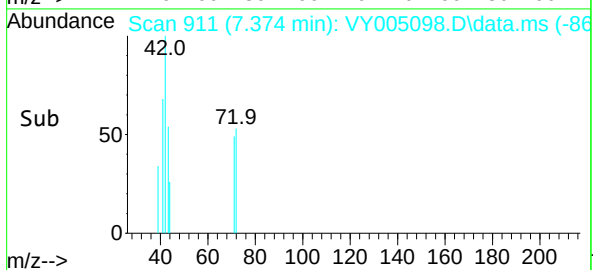
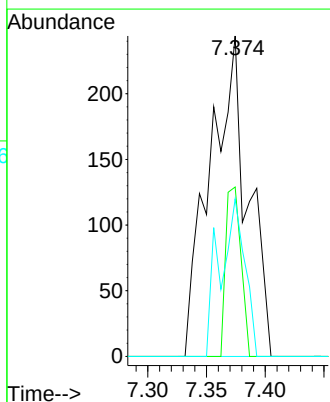
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 6014  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 120.9 | 108.0 | 162.0 |
| 51       | 42.4  | 32.6  | 48.8  |
| 86       | 65.2  | 49.9  | 74.9  |

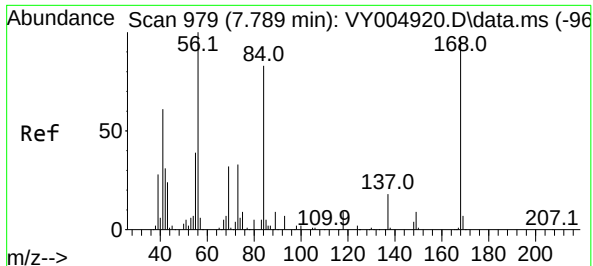


#29  
Tetrahydrofuran  
Concen: 1.175 ug/l  
RT: 7.374 min Scan# 911  
Delta R.T. 0.012 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 546   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 21.2  | 32.6  | 49.0# |
| 71       | 32.4  | 30.9  | 46.3  |

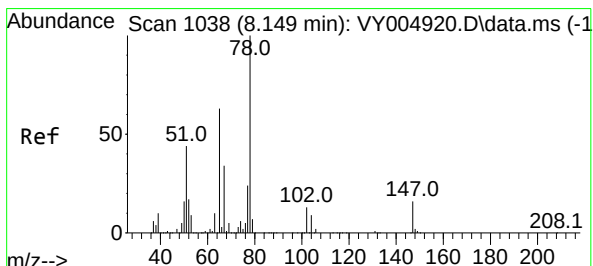
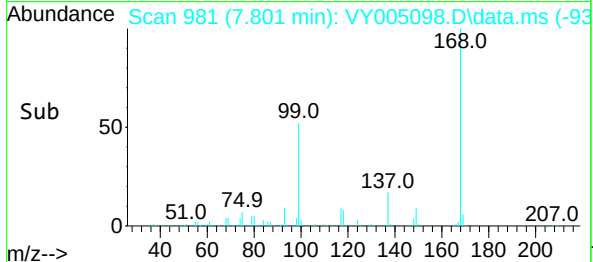
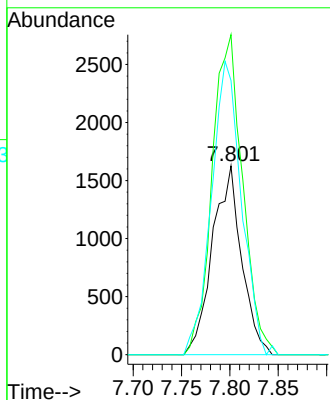
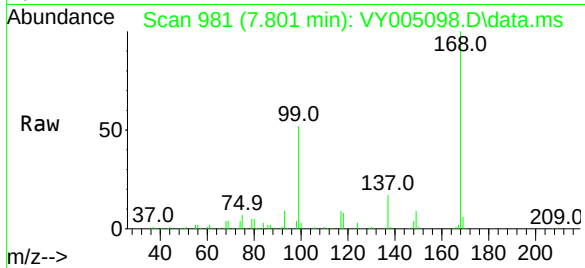




#31  
Cyclohexane  
Concen: 1.071 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

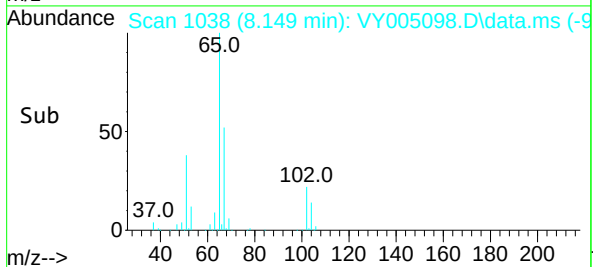
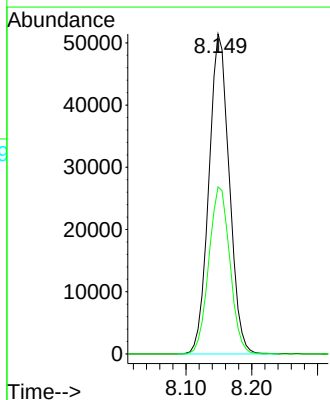
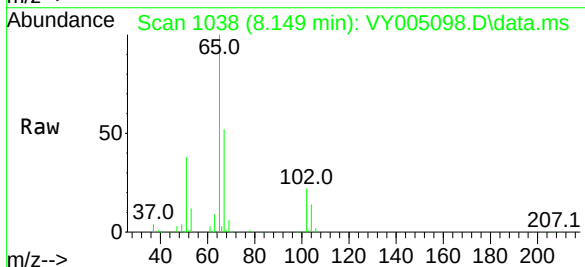
Instrument :  
MSVOA\_Y  
ClientSampled :

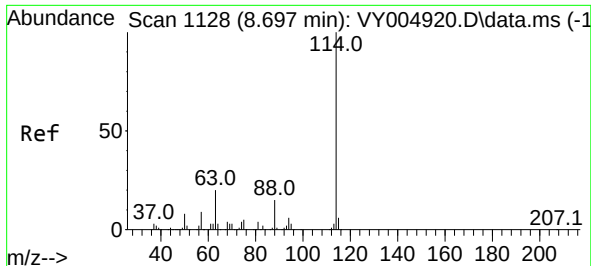
Tgt Ion: 56 Resp: 3405  
Ion Ratio Lower Upper  
56 100  
69 169.5 25.3 37.9#  
84 145.2 66.2 99.4#



#33  
1,2-Dichloroethane-d4  
Concen: 61.502 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

Tgt Ion: 65 Resp: 111018  
Ion Ratio Lower Upper  
65 100  
67 53.8 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: VY005098.D

Acq: 11 Jun 2021 01:20

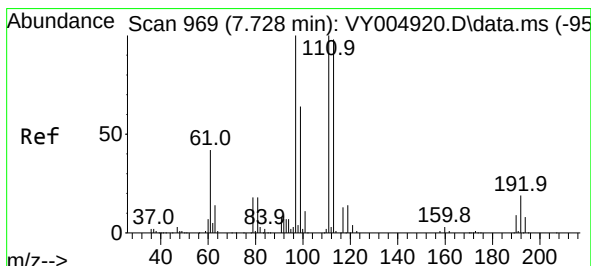
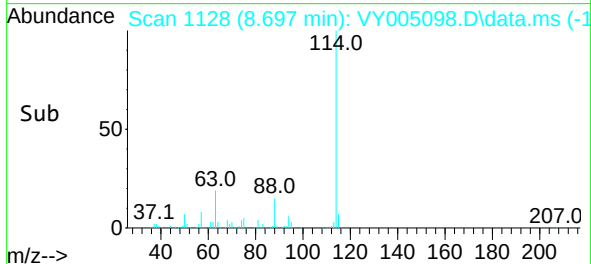
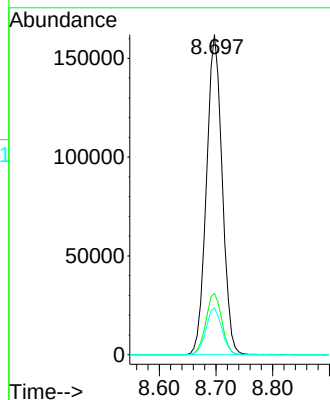
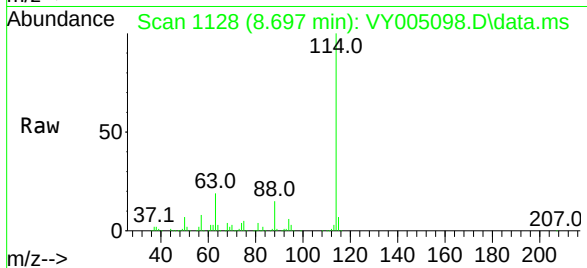
Tgt Ion:114 Resp: 311367

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.0

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.880 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY005098.D

Acq: 11 Jun 2021 01:20

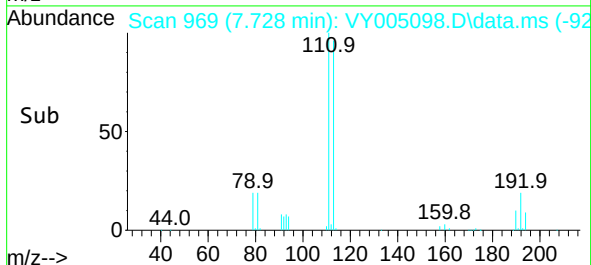
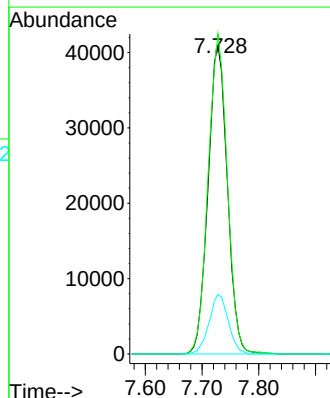
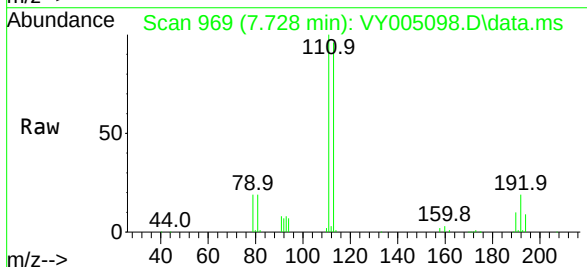
Tgt Ion:113 Resp: 96960

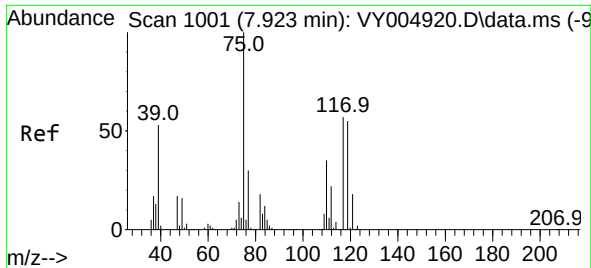
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 19.2 15.3 22.9

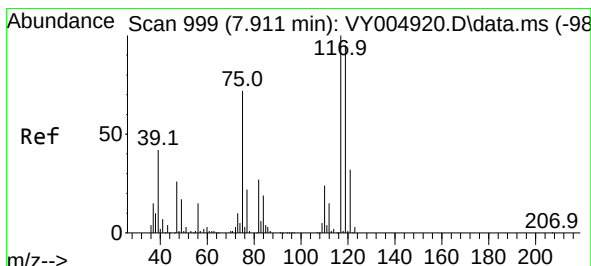
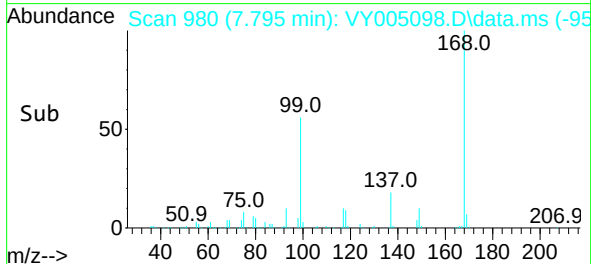
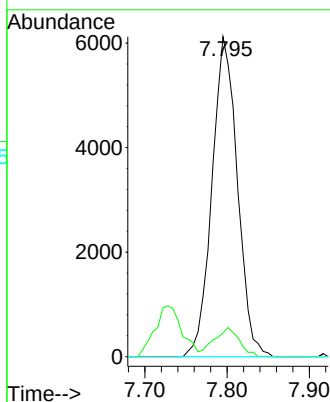
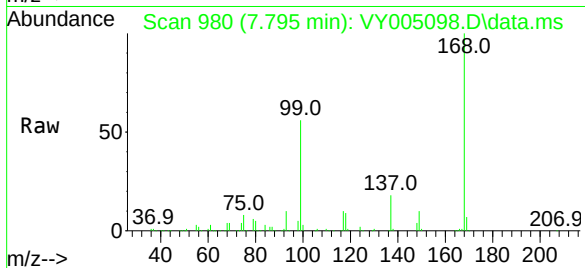




#36  
 1,1-Dichloropropene  
 Concen: 4.313 ug/l  
 RT: 7.795 min Scan# 980  
 Delta R.T. -0.128 min  
 Lab File: VY005098.D  
 Acq: 11 Jun 2021 01:20

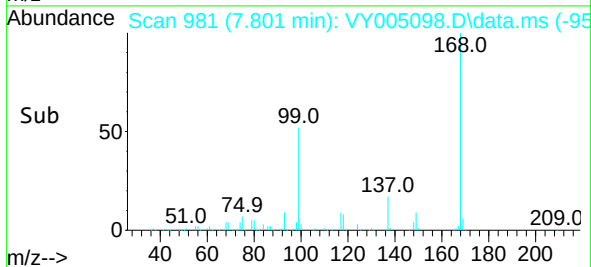
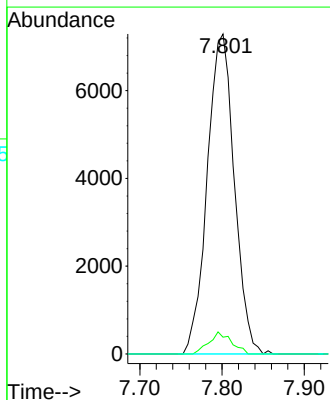
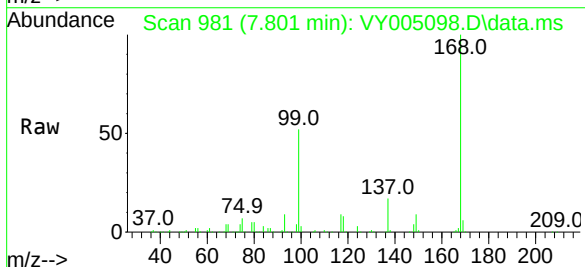
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13142 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.0   | 17.5  | 52.5# |
| 77       | 0.0   | 25.1  | 37.7# |

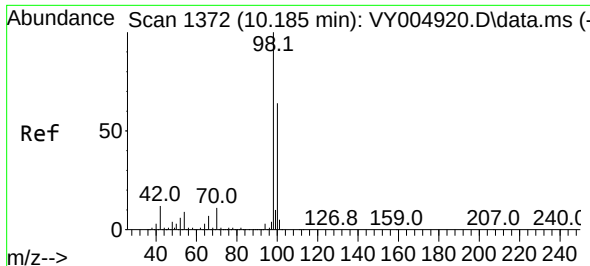


#38  
 Carbon Tetrachloride  
 Concen: 6.294 ug/l  
 RT: 7.801 min Scan# 981  
 Delta R.T. -0.110 min  
 Lab File: VY005098.D  
 Acq: 11 Jun 2021 01:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 16692  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.3   | 76.1  | 114.1# |
| 121      | 0.0   | 25.5  | 38.3#  |



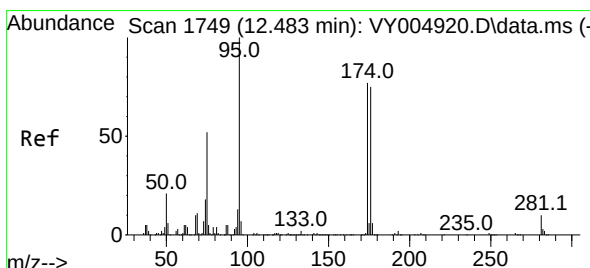
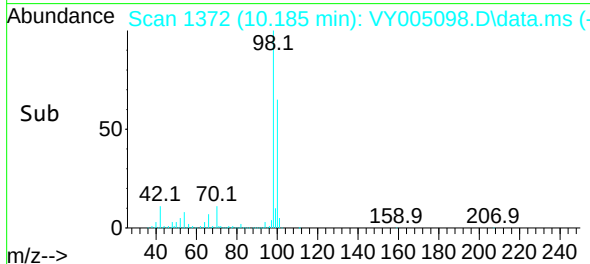
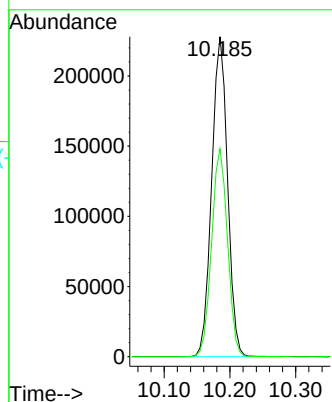
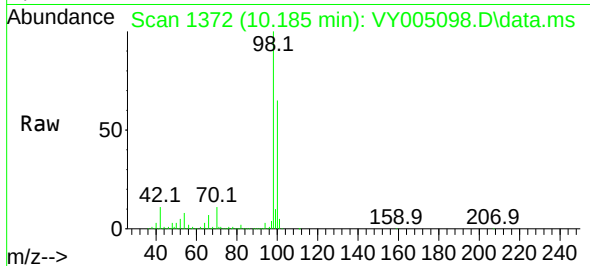




#50  
Toluene-d8  
Concen: 54.970 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

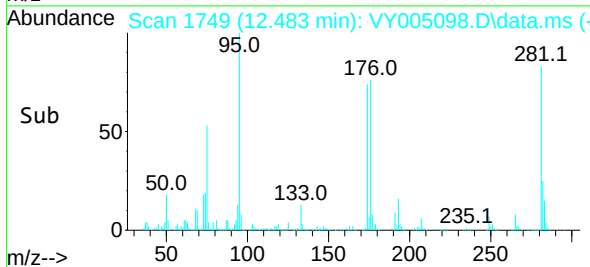
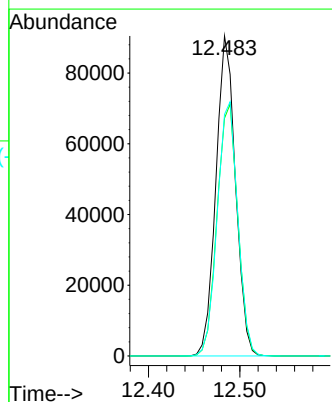
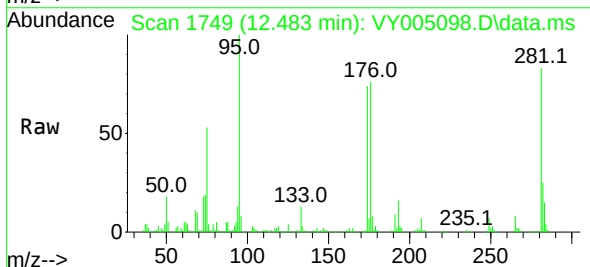
Instrument :  
MSVOA\_Y  
ClientSampled :

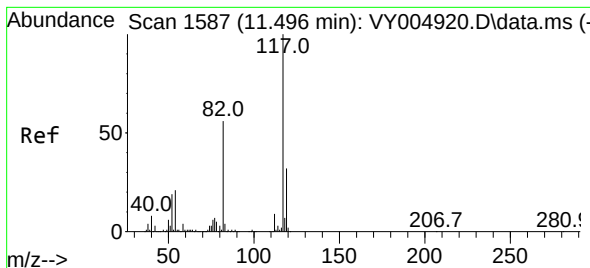
Tgt Ion: 98 Resp: 382446  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 56.281 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

Tgt Ion: 95 Resp: 134665  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 160.8  
176 83.2 0.0 155.6

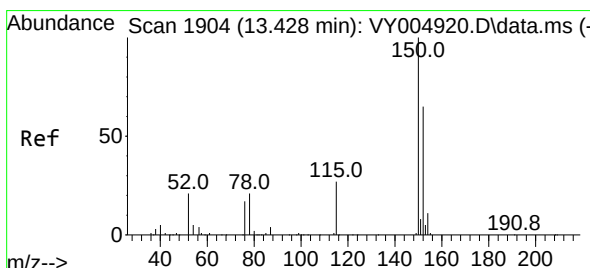
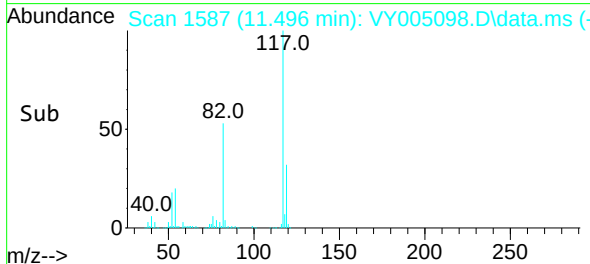
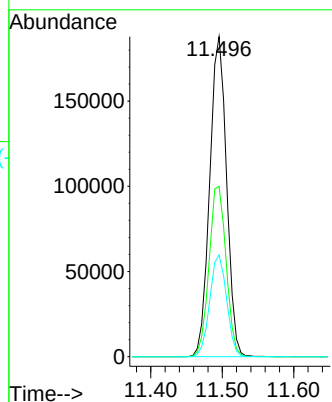
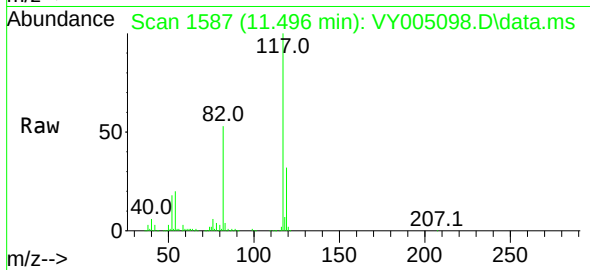




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

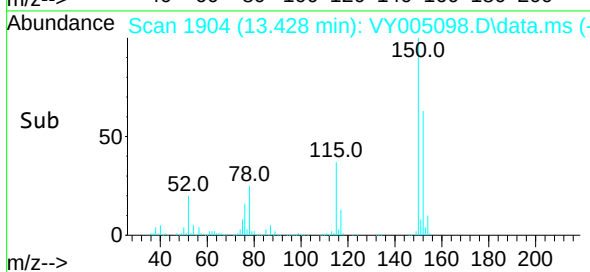
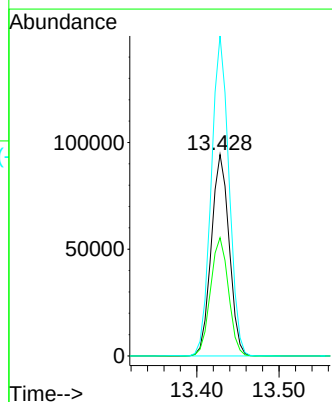
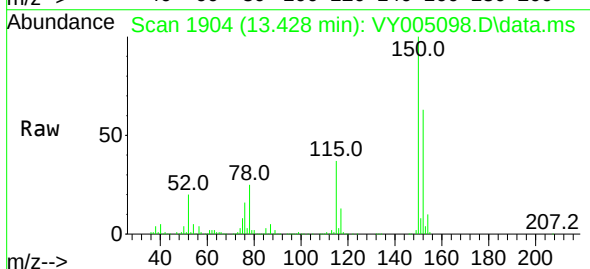
Instrument :  
MSVOA\_Y  
ClientSampleId :

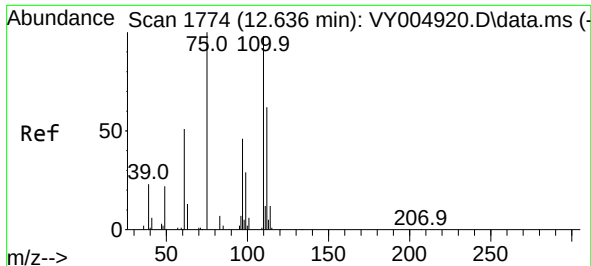
Tgt Ion:117 Resp: 307229  
Ion Ratio Lower Upper  
117 100  
82 53.2 44.8 67.2  
119 31.8 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

Tgt Ion:152 Resp: 142355  
Ion Ratio Lower Upper  
152 100  
115 59.1 29.9 89.7  
150 157.5 0.0 347.8

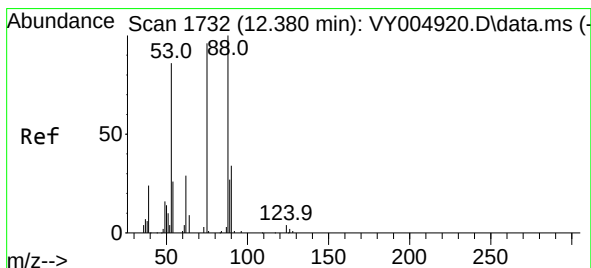
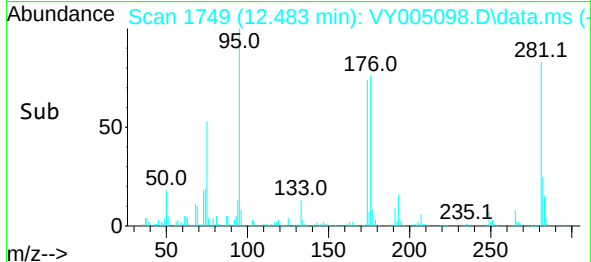
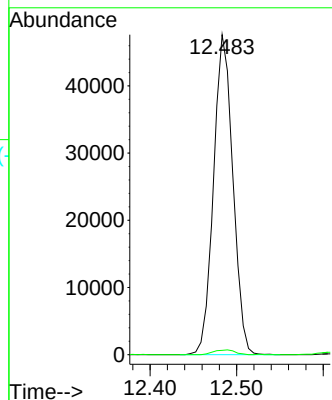
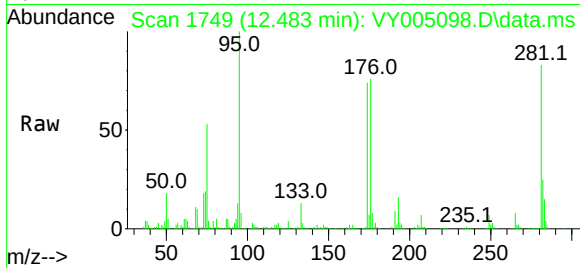




#76  
1,2,3-Trichloropropane  
Concen: 47.353 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 73893  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.023 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY005098.D  
Acq: 11 Jun 2021 01:20

Tgt Ion: 75 Resp: 73893  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.3 103.9#  
89 2.3 35.0 52.6#

