

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
 Data File : VY004118.D  
 Acq On : 18 Mar 2021 13:49  
 Operator : SY/MD  
 Sample : M1706-01  
 Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 19 01:42:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 192571   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 336320   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 315431   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 150917   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 101631   | 53.48    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.96% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 102988   | 54.30    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.60% |
| 50) Toluene-d8              | 10.185 | 98    | 396827   | 53.37    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 106.74% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 140617   | 51.21    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 102.42% |

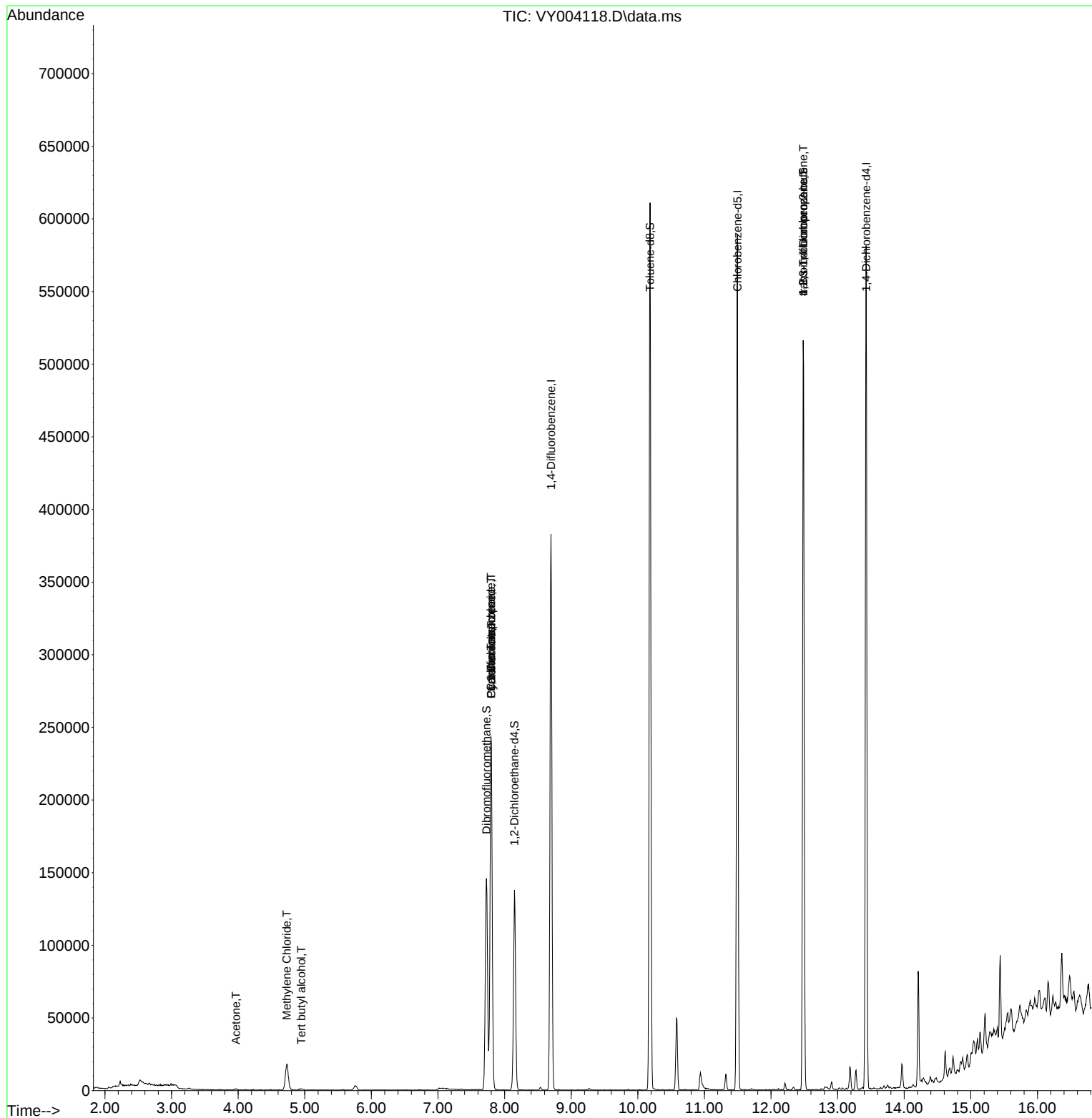
|                               |        |     |       |           |        |        |
|-------------------------------|--------|-----|-------|-----------|--------|--------|
| Target Compounds              |        |     |       |           |        | Qvalue |
| 2) Dichlorodifluoromethane    | 1.906  | 85  | 59    | Below Cal | #      | 41     |
| 3) Chloromethane              | 2.113  | 50  | 492   | Below Cal | #      | 86     |
| 11) Tert butyl alcohol        | 4.948  | 59  | 783   | 4.56      | ug/l # | 76     |
| 16) Acetone                   | 3.966  | 43  | 1241  | 2.71      | ug/l # | 77     |
| 20) Methylene Chloride        | 4.729  | 84  | 14221 | 2.99      | ug/l   | 90     |
| 31) Cyclohexane               | 7.801  | 56  | 3690  | 1.11      | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 7.795  | 75  | 14093 | 4.77      | ug/l # | 50     |
| 38) Carbon Tetrachloride      | 7.795  | 117 | 19313 | 6.16      | ug/l # | 17     |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 73879 | 51.05     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 73879 | 100.76    | ug/l # | 13     |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004118.D  
Acq On : 18 Mar 2021 13:49  
Operator : SY/MD  
Sample : M1706-01  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Mar 19 01:42:30 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 08 12:28:55 2021  
Response via : Initial Calibration

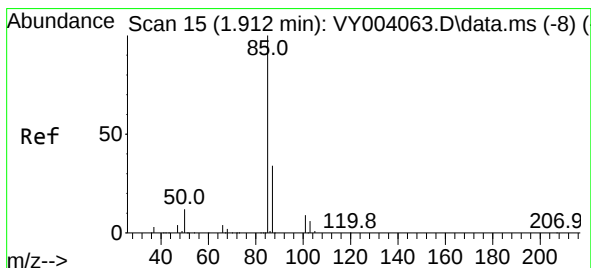
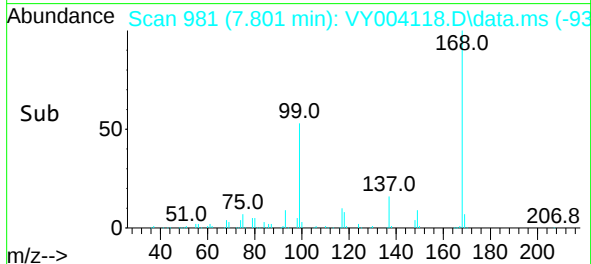
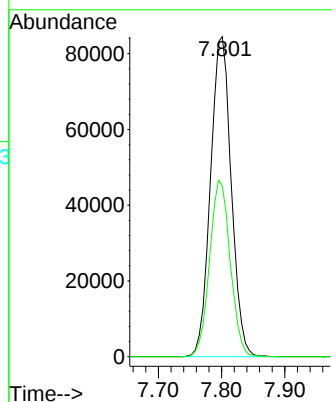
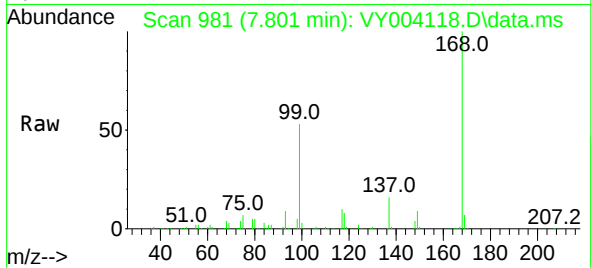




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

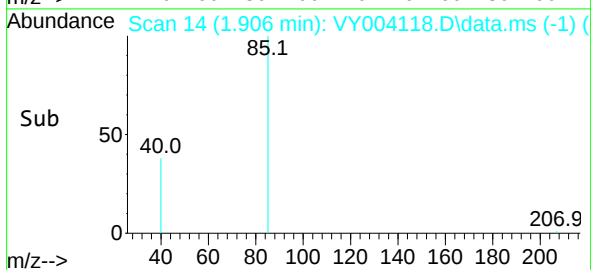
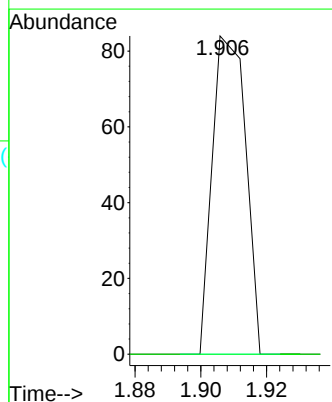
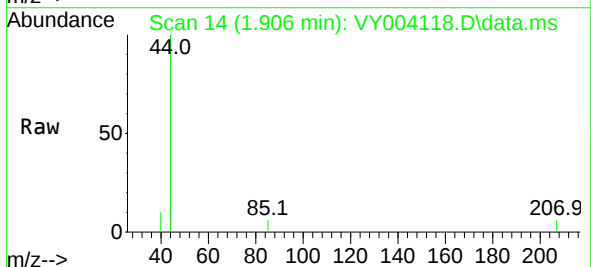
Instrument :  
MSVOA\_Y  
ClientSampled :

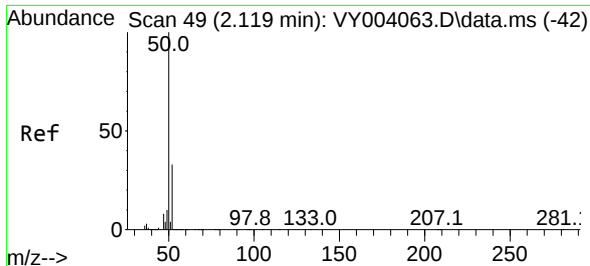
Tgt Ion:168 Resp: 192571  
Ion Ratio Lower Upper  
168 100  
99 53.4 41.2 61.8



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

Tgt Ion: 85 Resp: 59  
Ion Ratio Lower Upper  
85 100  
87 0.0 17.0 51.0#

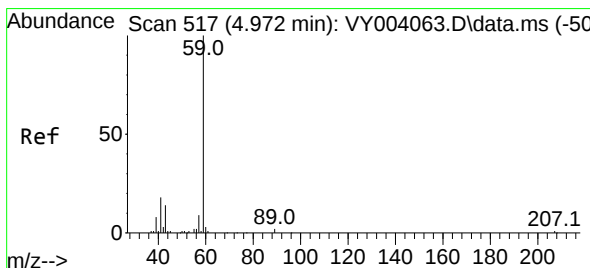
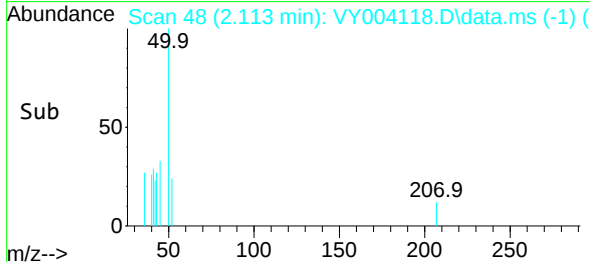
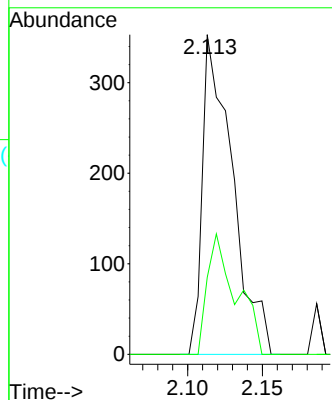
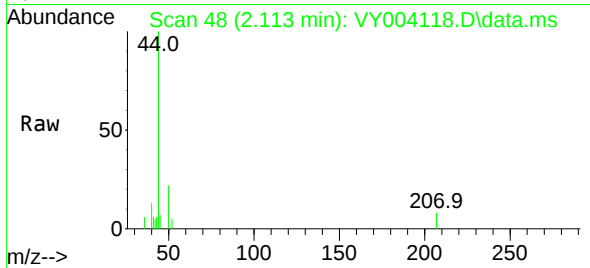




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. -0.006 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

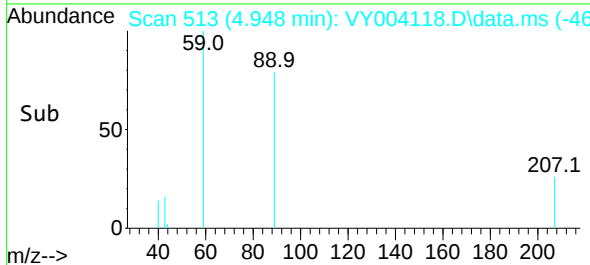
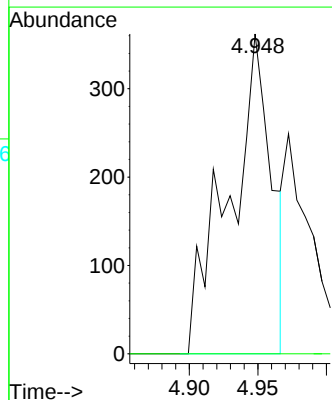
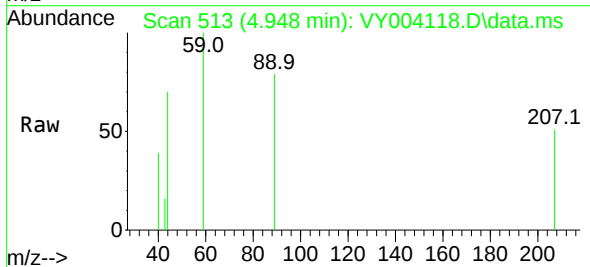
Instrument :  
MSVOA\_Y  
ClientSampled :

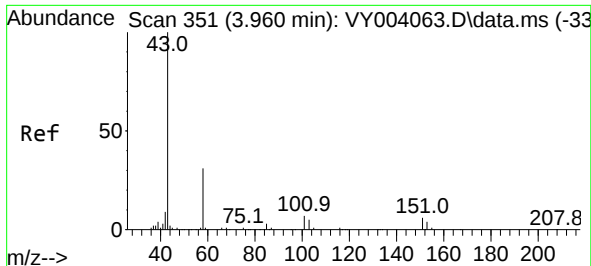
Tgt Ion: 50 Resp: 492  
Ion Ratio Lower Upper  
50 100  
52 24.1 25.4 38.2#



#11  
Tert butyl alcohol  
Concen: 4.56 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.024 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

Tgt Ion: 59 Resp: 783  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.9 10.3#

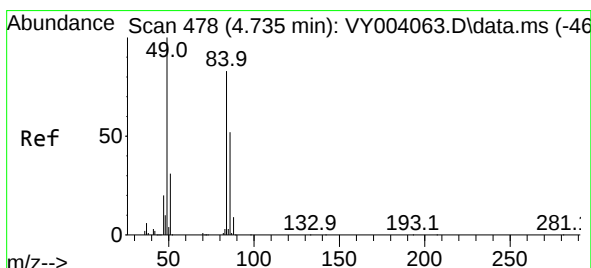
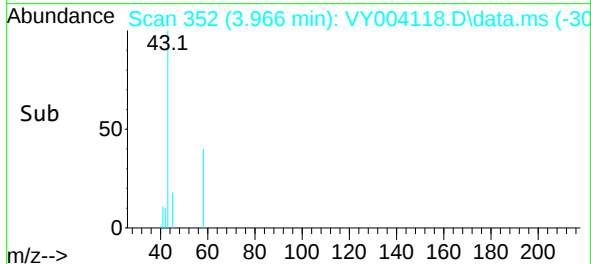
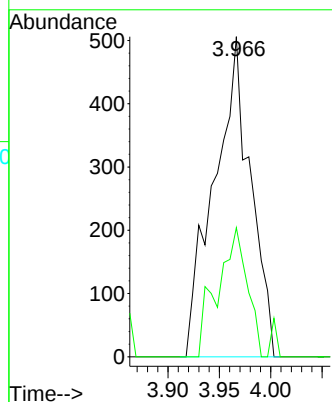
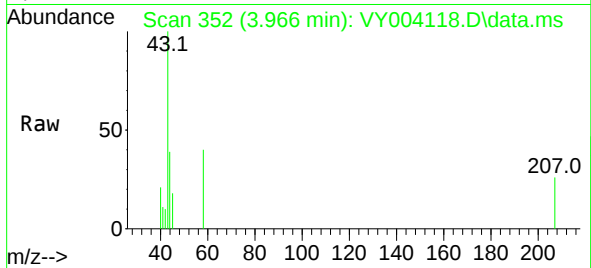




#16  
Acetone  
Concen: 2.71 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

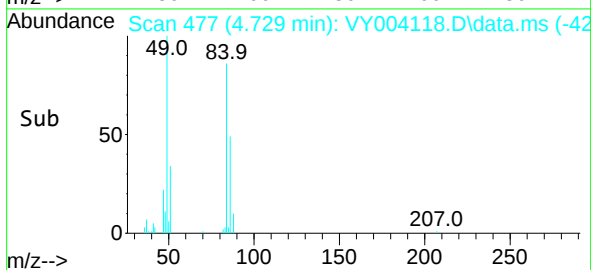
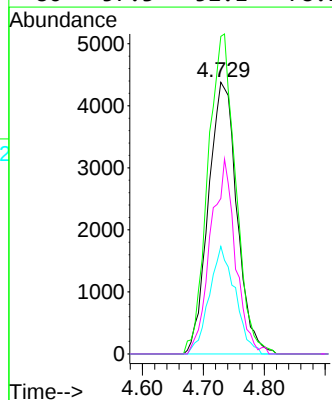
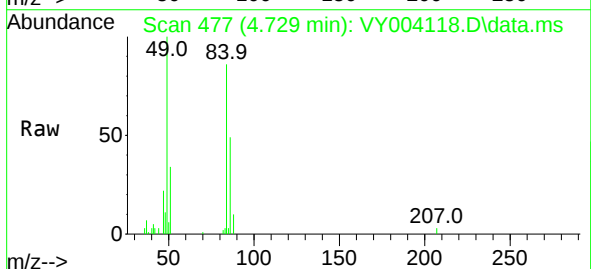
Instrument :  
MSVOA\_Y  
ClientSampled :

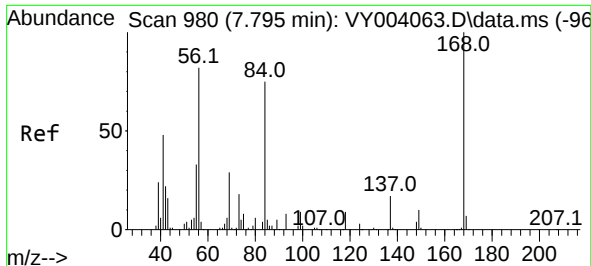
Tgt Ion: 43 Resp: 1241  
Ion Ratio Lower Upper  
43 100  
58 40.3 22.6 34.0#



#20  
Methylene Chloride  
Concen: 2.99 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.006 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

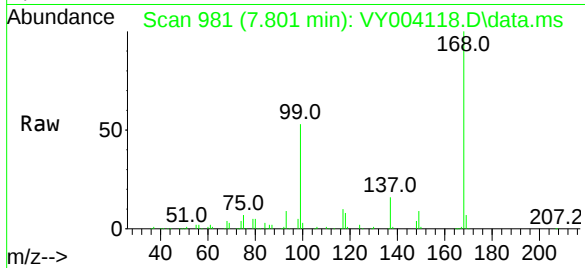
Tgt Ion: 84 Resp: 14221  
Ion Ratio Lower Upper  
84 100  
49 116.9 105.8 158.6  
51 39.6 32.6 48.8  
86 57.3 52.1 78.1



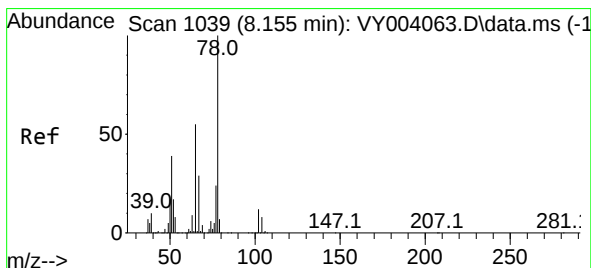
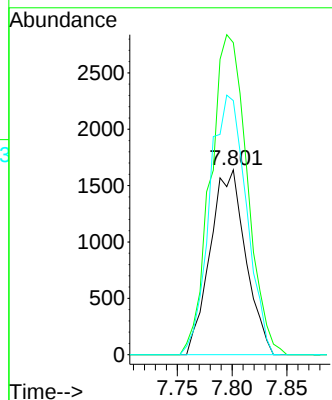
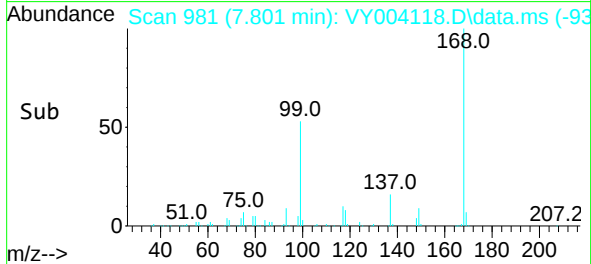


#31  
Cyclohexane  
Concen: 1.11 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

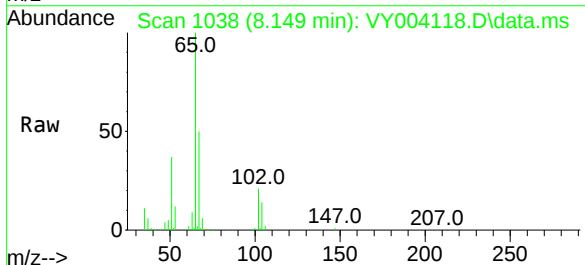
Instrument :  
MSVOA\_Y  
ClientSampled :



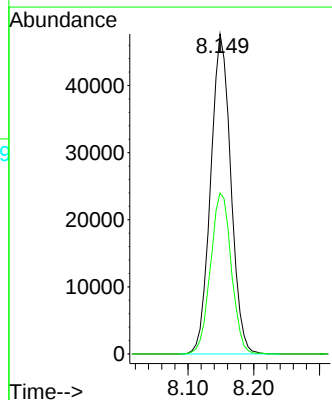
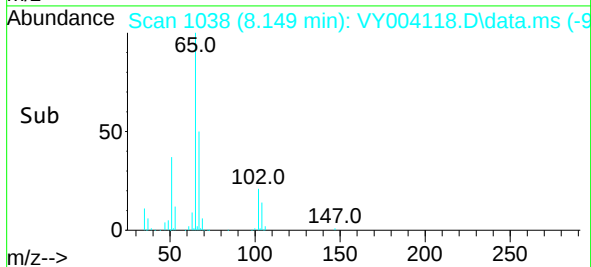
Tgt Ion: 56 Resp: 3690  
Ion Ratio Lower Upper  
56 100  
69 168.8 25.3 37.9#  
84 144.4 67.3 100.9#

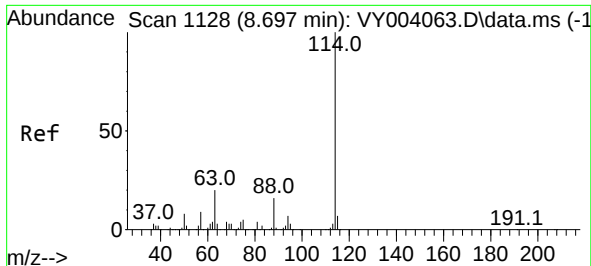


#33  
1,2-Dichloroethane-d4  
Concen: 53.48 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49



Tgt Ion: 65 Resp: 101631  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 101.4

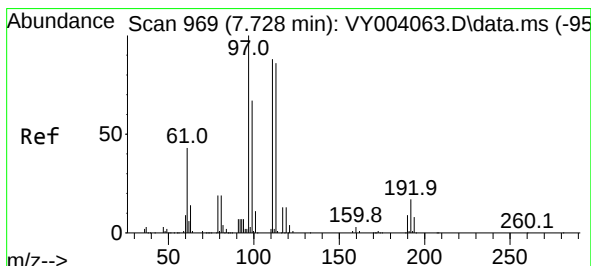
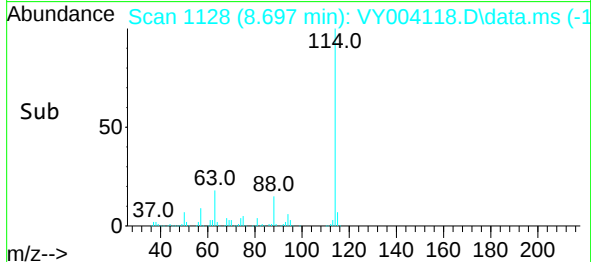
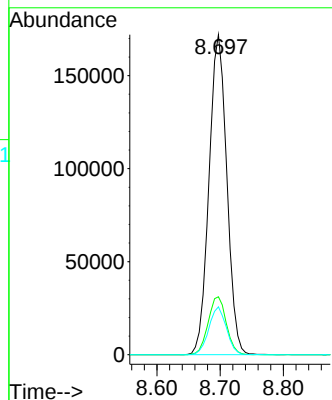
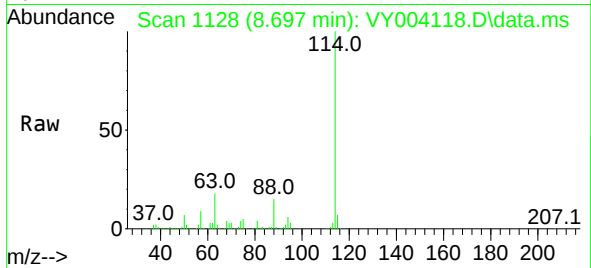




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

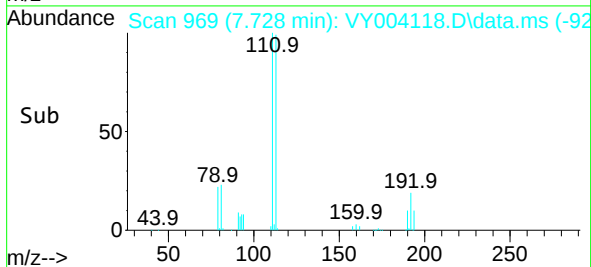
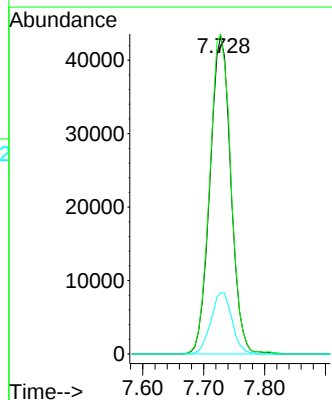
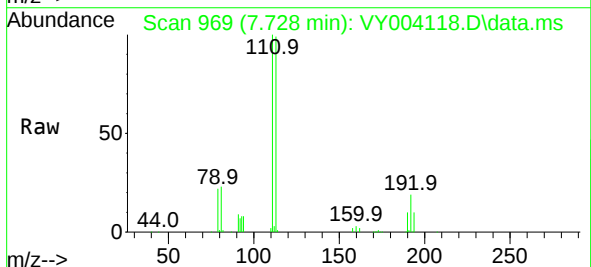
Instrument :  
MSVOA\_Y  
ClientSampled :

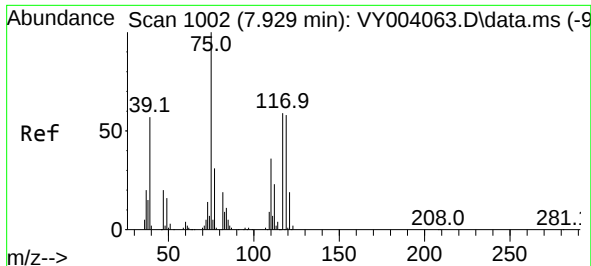
Tgt Ion:114 Resp: 336320  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 41.6  
88 14.9 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 54.30 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

Tgt Ion:113 Resp: 102988  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.2 124.8  
192 19.4 18.5 27.7





#36

1,1-Dichloropropene

Concen: 4.77 ug/l

RT: 7.795 min Scan# 980

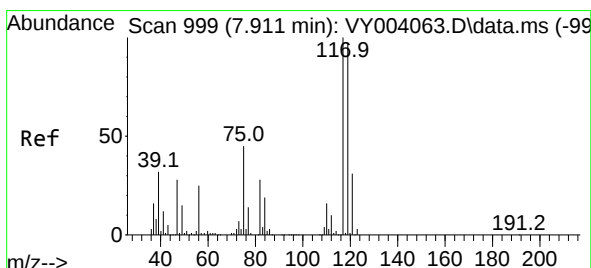
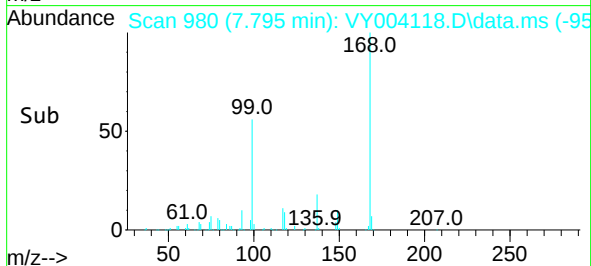
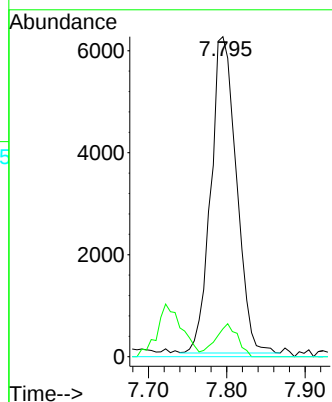
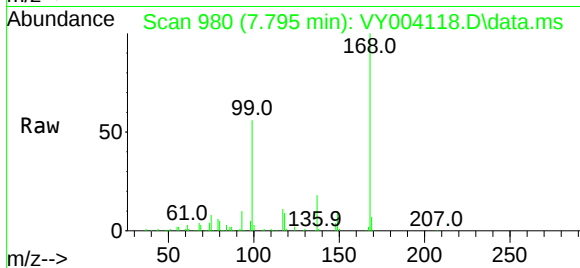
Delta R.T. -0.134 min

Lab File: VY004118.D

Acq: 18 Mar 2021 13:49

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 14093 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 9.0     | 17.4 52.3#  |
| 77 0.0      | 24.5 36.7#  |

Instrument :  
MSVOA\_Y  
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.16 ug/l

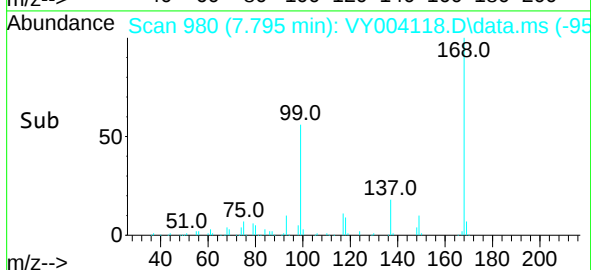
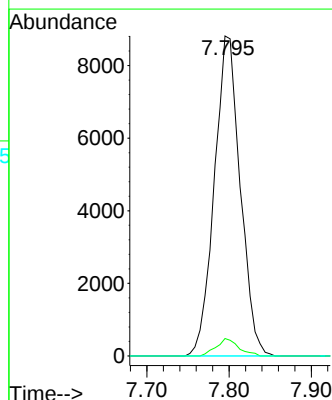
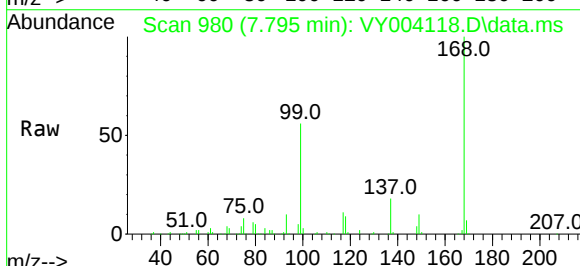
RT: 7.795 min Scan# 980

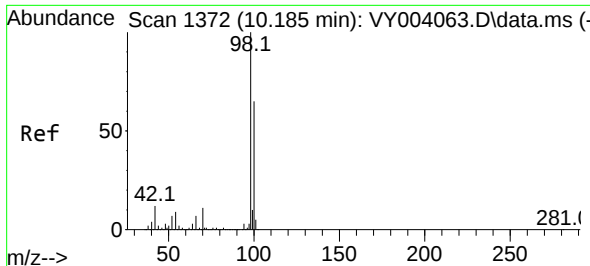
Delta R.T. -0.116 min

Lab File: VY004118.D

Acq: 18 Mar 2021 13:49

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 19313 |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 5.5      | 75.4 113.0# |
| 121 0.0      | 24.2 36.2#  |

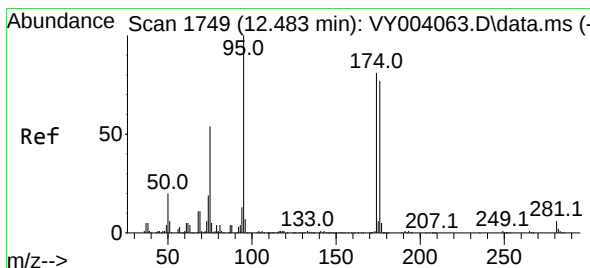
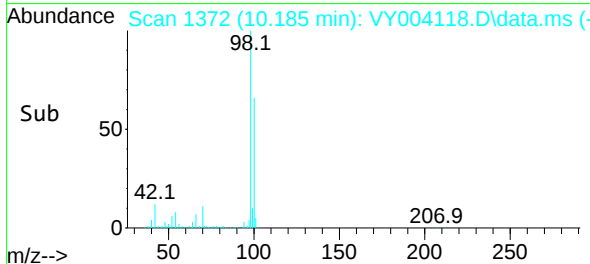
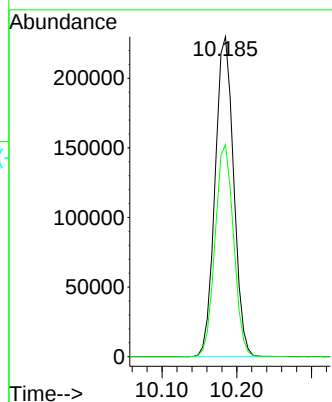
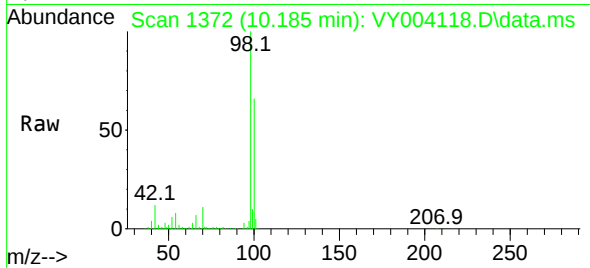




#50  
Toluene-d8  
Concen: 53.37 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

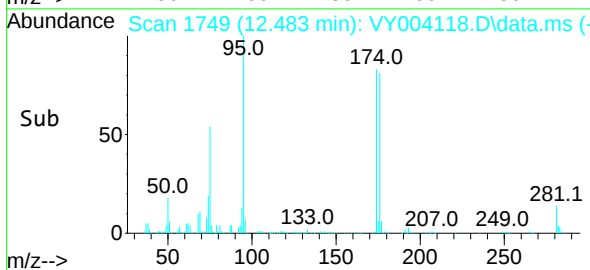
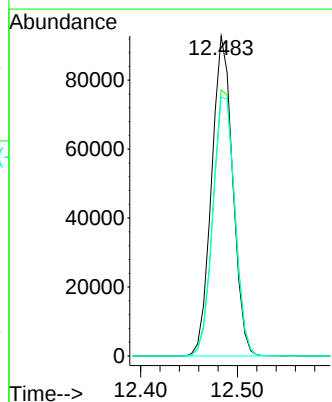
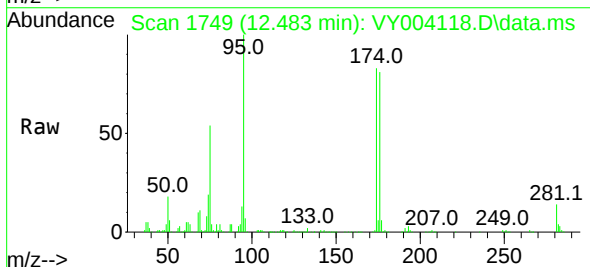
Instrument :  
MSVOA\_Y  
ClientSampleId :

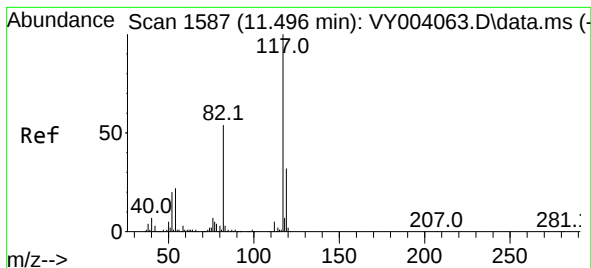
Tgt Ion: 98 Resp: 396827  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 51.21 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

Tgt Ion: 95 Resp: 140617  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 179.0  
176 84.2 0.0 174.4

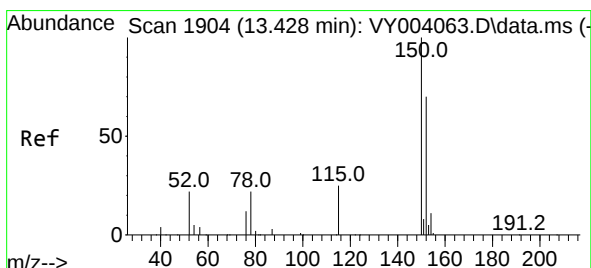
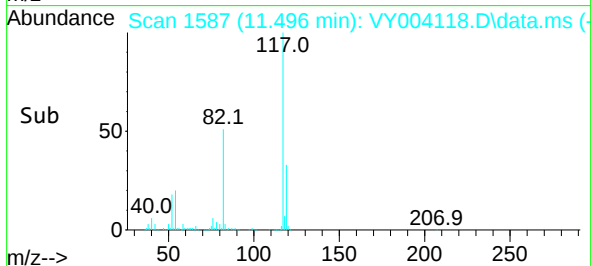
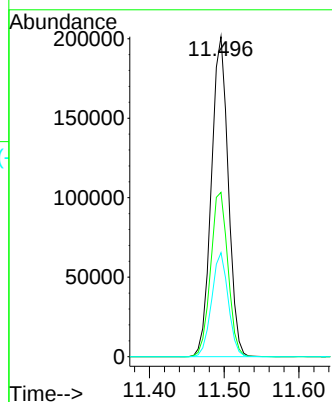
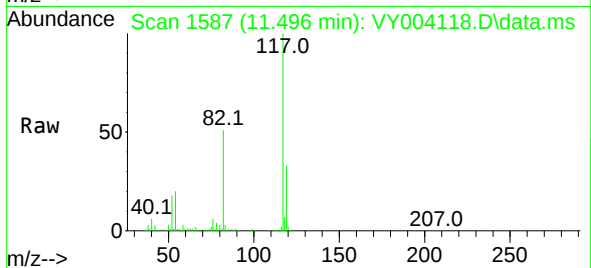




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

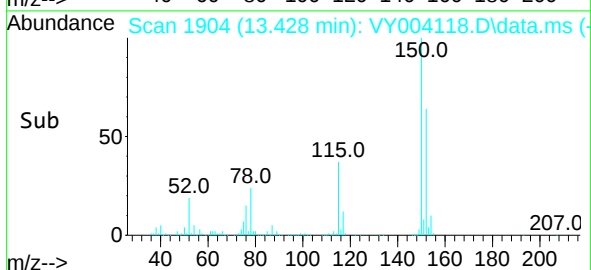
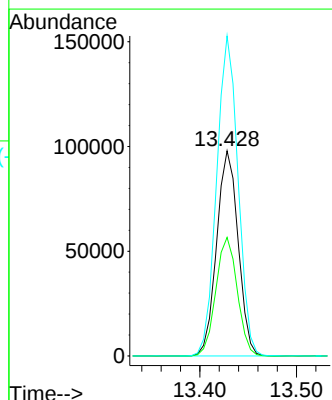
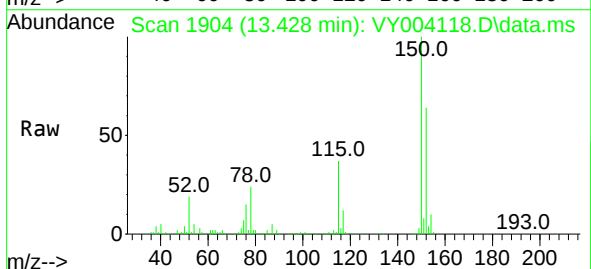
Instrument :  
MSVOA\_Y  
ClientSampleId :

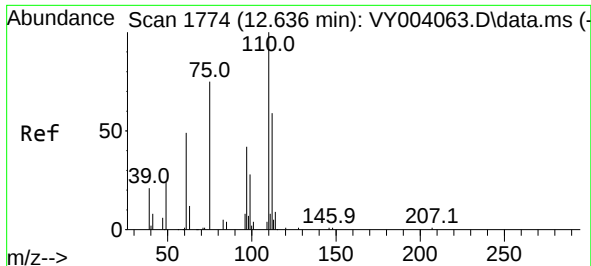
Tgt Ion:117 Resp: 315431  
Ion Ratio Lower Upper  
117 100  
82 51.3 43.8 65.6  
119 32.5 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

Tgt Ion:152 Resp: 150917  
Ion Ratio Lower Upper  
152 100  
115 57.6 28.2 84.6  
150 155.3 0.0 347.2

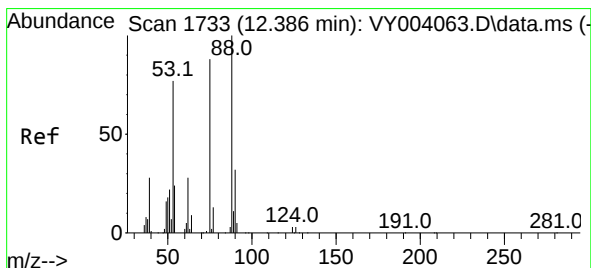
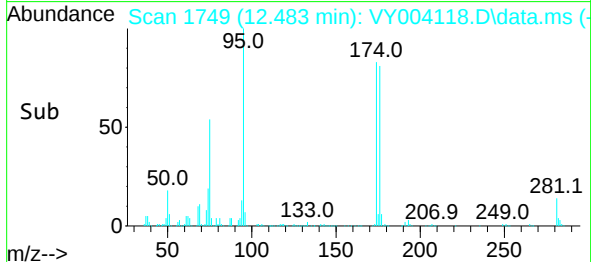
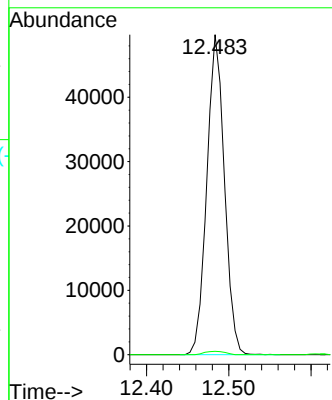
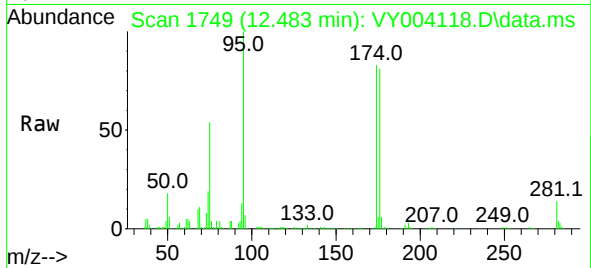




#76  
1,2,3-Trichloropropane  
Concen: 51.05 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 73879  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 100.76 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.097 min  
Lab File: VY004118.D  
Acq: 18 Mar 2021 13:49

Tgt Ion: 75 Resp: 73879  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.5 110.3#  
89 0.3 35.7 53.5#

