

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040721\  
 Data File : VY004313.D  
 Acq On : 07 Apr 2021 14:31  
 Operator : SY/MD  
 Sample : M1954-01  
 Misc : 6.84G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 08 01:00:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 30 06:38:14 2021  
 Response via : Initial Calibration

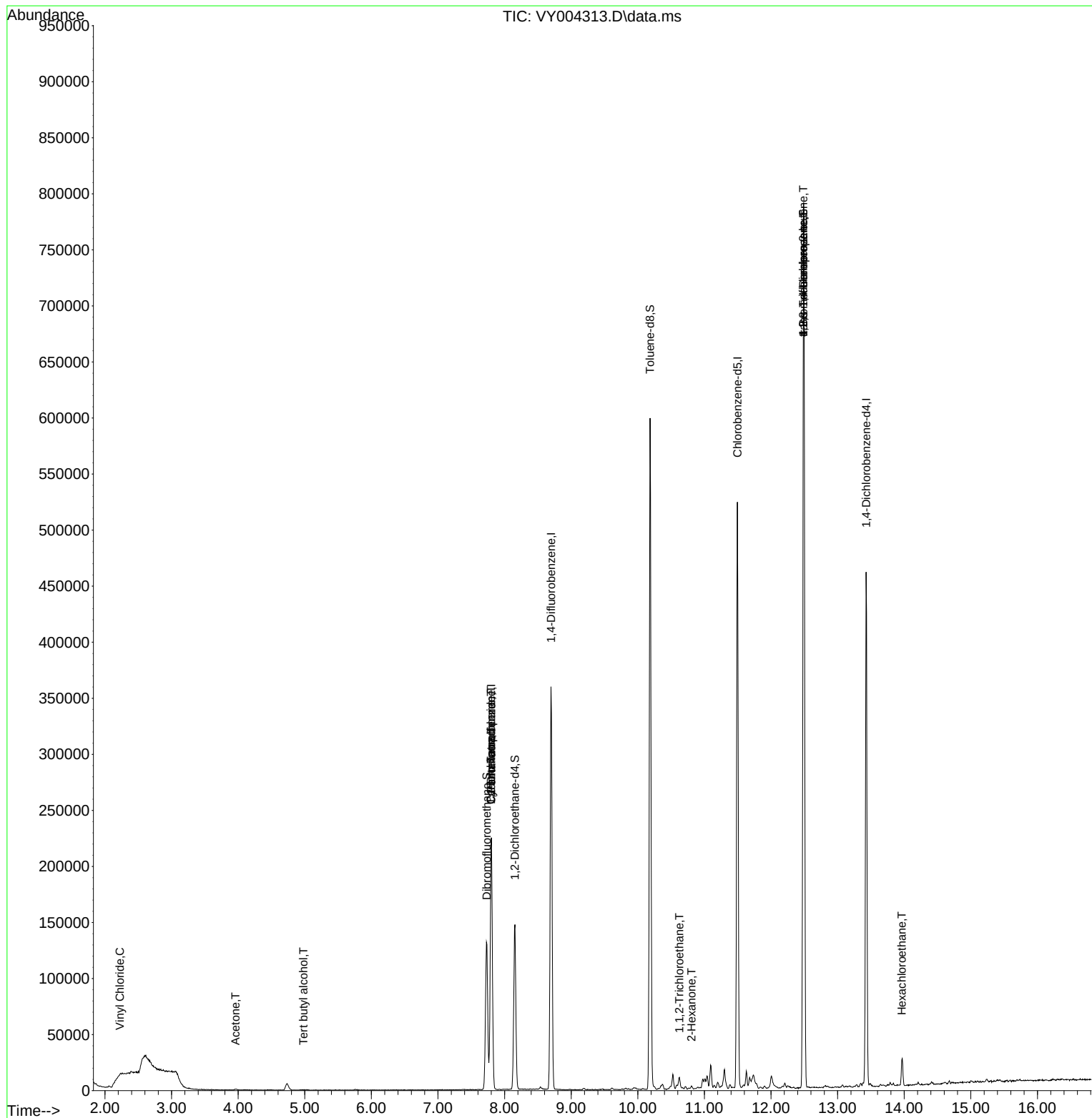
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 172127   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 296699   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 273139   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 113299   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 112207   | 67.81     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 135.62%  |
| 35) Dibromofluoromethane      | 7.734  | 113   | 91515    | 55.36     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 110.72%  |
| 50) Toluene-d8                | 10.185 | 98    | 362709   | 58.33     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 116.66%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 120170   | 56.39     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 112.78%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 4) Vinyl Chloride             | 2.223  | 62    | 7984     | 3.56      | ug/l # | 42       |
| 11) Tert butyl alcohol        | 4.978  | 59    | 541      | 4.02      | ug/l # | 71       |
| 16) Acetone                   | 3.960  | 43    | 1427     | 4.14      | ug/l   | 96       |
| 20) Methylene Chloride        | 4.734  | 84    | 4207     | Below Cal |        | 89       |
| 31) Cyclohexane               | 7.795  | 56    | 3883     | 1.33      | ug/l # | 18       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 13446    | 4.96      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 16696    | 7.09      | ug/l # | 17       |
| 49) 1,4-Dioxane               | 9.295  | 88    | 36       | Below Cal | #      | 29       |
| 55) 1,1,2-Trichloroethane     | 10.624 | 97    | 3999     | 2.62      | ug/l # | 17       |
| 59) 2-Hexanone                | 10.807 | 43    | 1320     | 1.25      | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 69352    | 67.41     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 69352    | 124.24    | ug/l # | 11       |
| 90) Hexachloroethane          | 13.965 | 117   | 46       | 7.34      | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

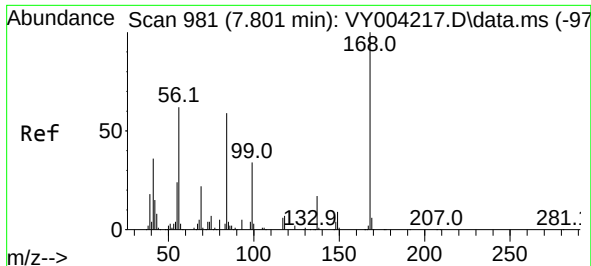
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040721\  
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Misc : 6.84G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Apr 08 01:00:32 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 30 06:38:14 2021  
Response via : Initial Calibration

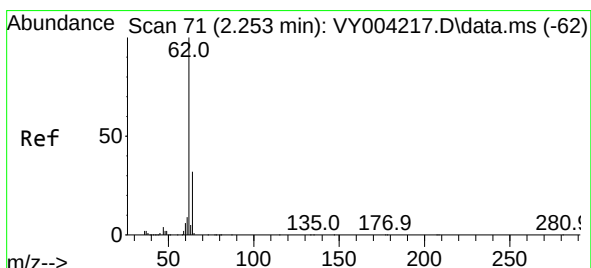
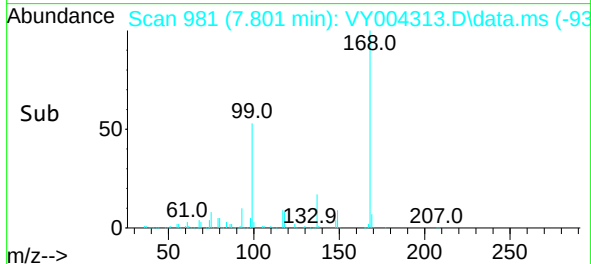
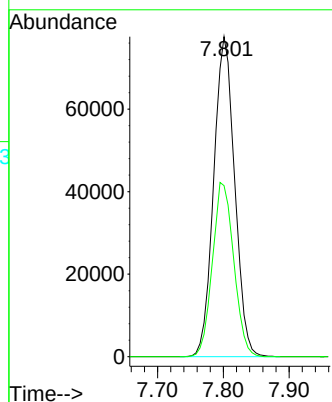
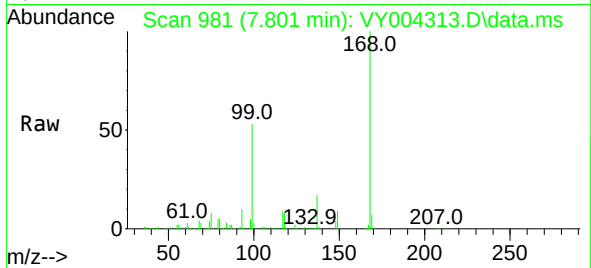




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

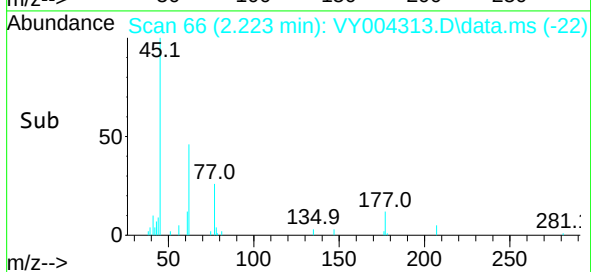
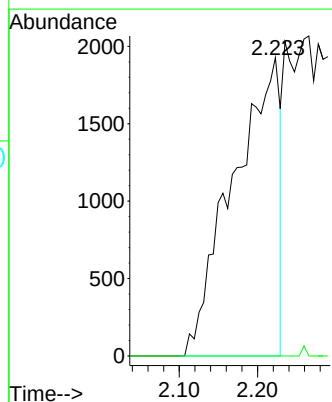
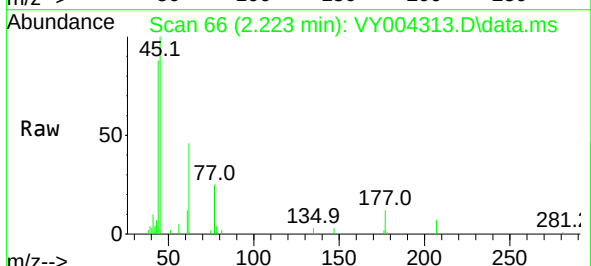
Instrument :  
MSVOA\_Y  
ClientSampleId :

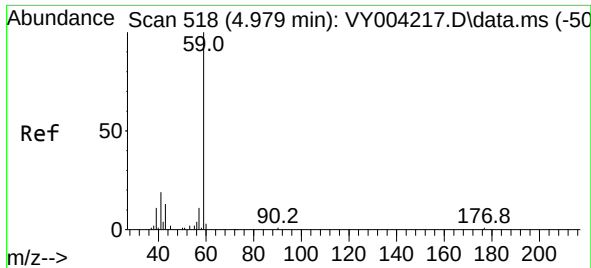
Tgt Ion:168 Resp: 172127  
Ion Ratio Lower Upper  
168 100  
99 53.5 42.6 64.0



#4  
Vinyl Chloride  
Concen: 3.56 ug/l  
RT: 2.223 min Scan# 66  
Delta R.T. -0.031 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

Tgt Ion: 62 Resp: 7984  
Ion Ratio Lower Upper  
62 100  
64 0.0 26.0 39.0#

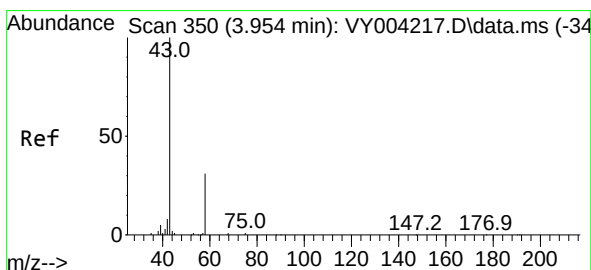
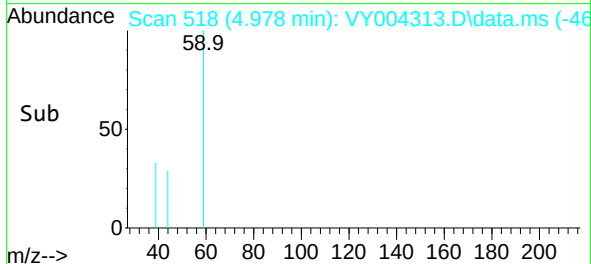
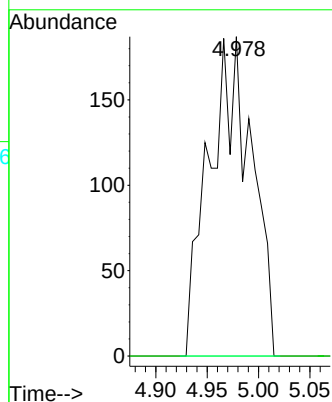
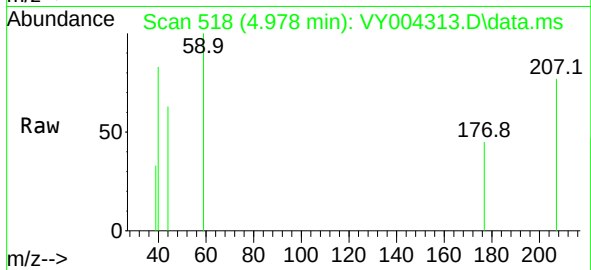




#11  
Tert butyl alcohol  
Concen: 4.02 ug/l  
RT: 4.978 min Scan# 518  
Delta R.T. -0.000 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

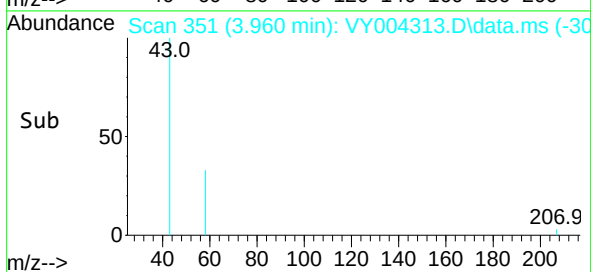
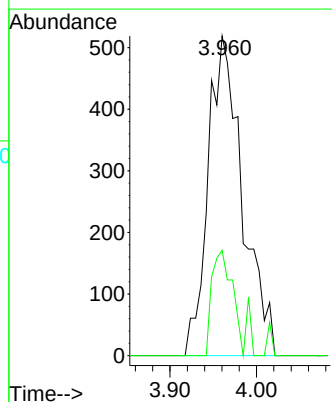
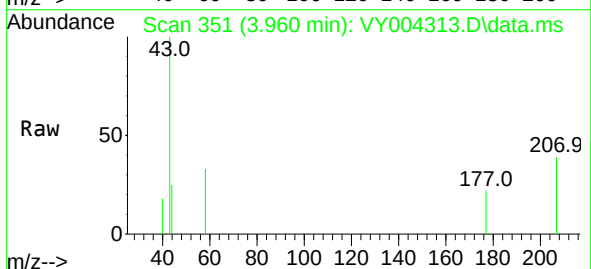
Instrument :  
MSVOA\_Y  
ClientSampled :

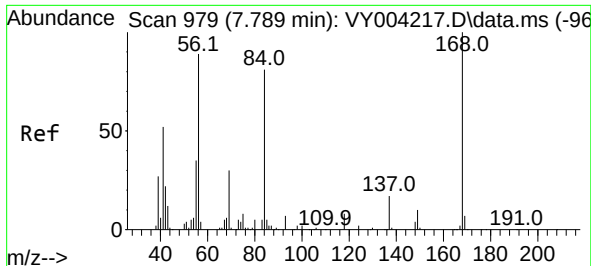
Tgt Ion: 59 Resp: 541  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#



#16  
Acetone  
Concen: 4.14 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

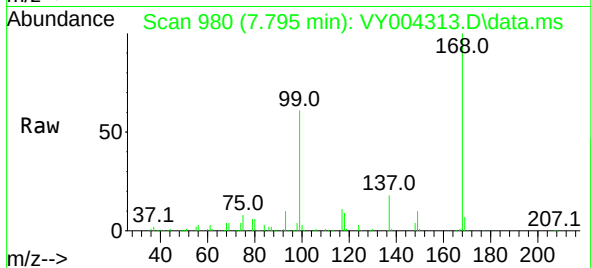
Tgt Ion: 43 Resp: 1427  
Ion Ratio Lower Upper  
43 100  
58 32.9 24.5 36.7



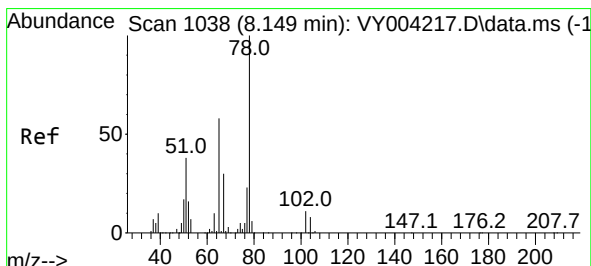
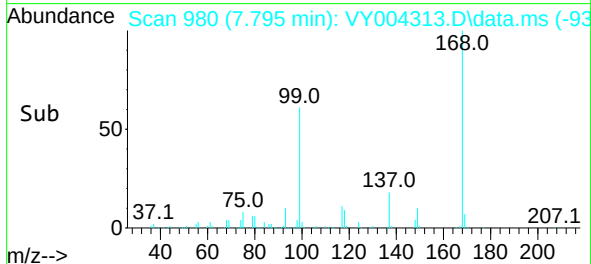
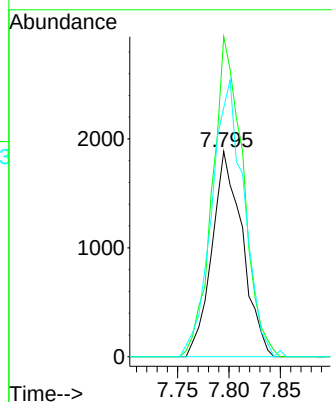


#31  
Cyclohexane  
Concen: 1.33 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

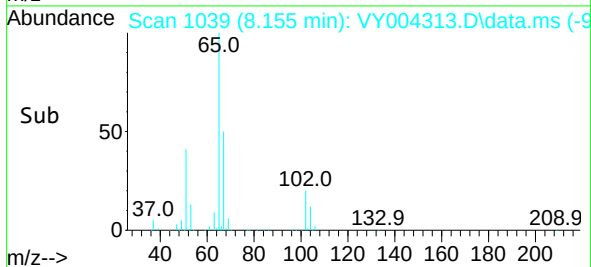
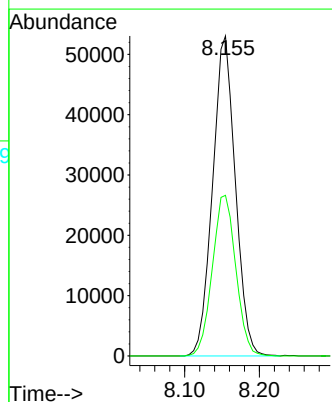
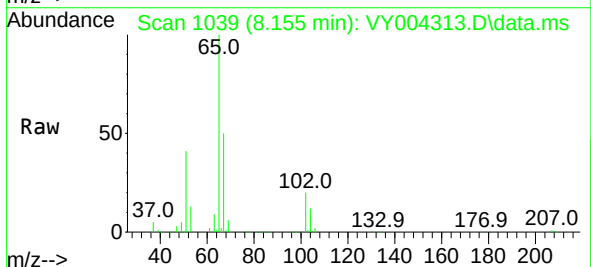


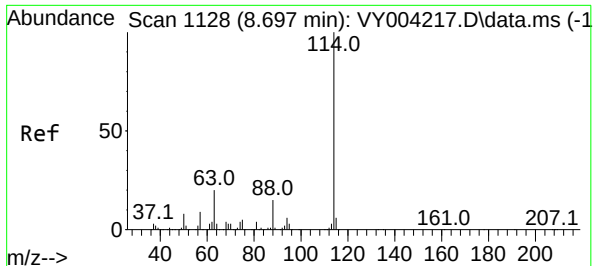
Tgt Ion: 56 Resp: 3883  
Ion Ratio Lower Upper  
56 100  
69 155.9 26.6 40.0#  
84 121.2 72.3 108.5#



#33  
1,2-Dichloroethane-d4  
Concen: 67.81 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

Tgt Ion: 65 Resp: 112207  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.2

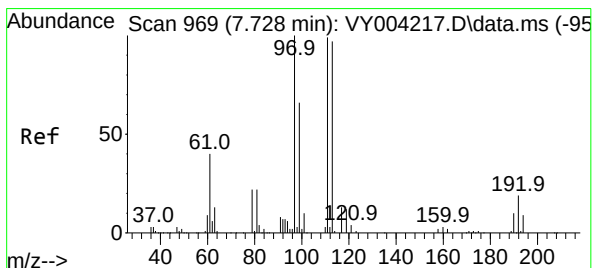
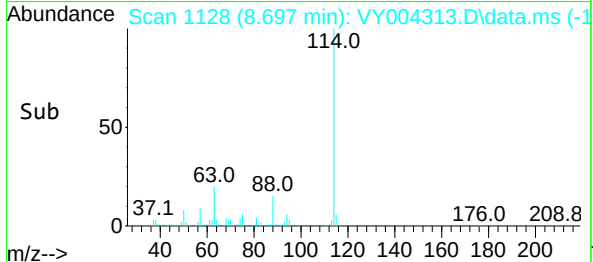
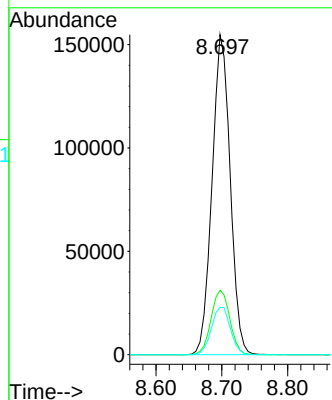
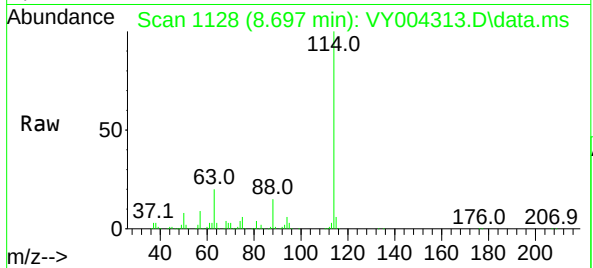




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

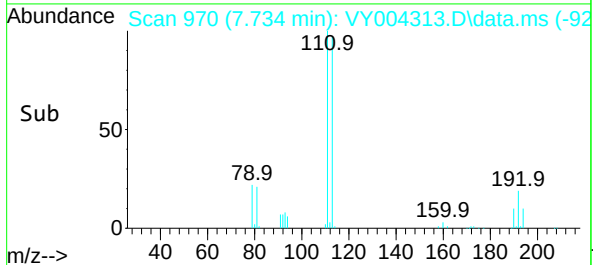
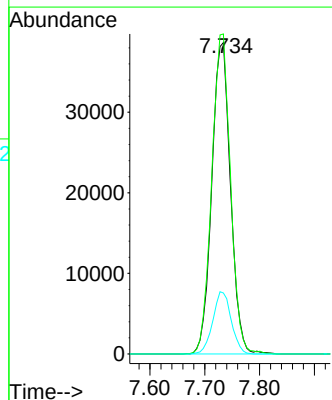
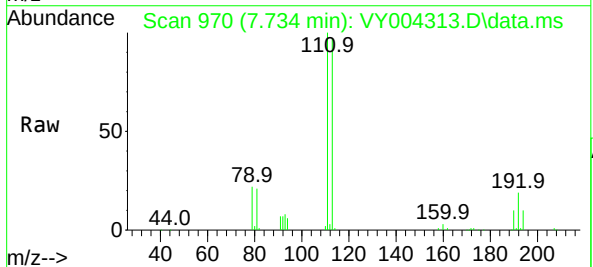
Instrument :  
MSVOA\_Y  
ClientSampleId :

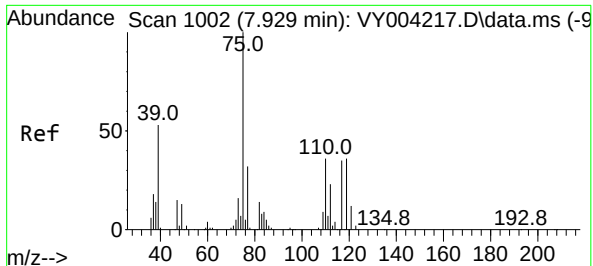
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 296699 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.1  | 0.0   | 40.4   |
| 88        | 14.7  | 0.0   | 30.8   |



#35  
Dibromofluoromethane  
Concen: 55.36 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 91515 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.9 | 82.6  | 124.0 |
| 192       | 19.7  | 16.4  | 24.6  |





#36

1,1-Dichloropropene

Concen: 4.96 ug/l

RT: 7.795 min Scan# 980

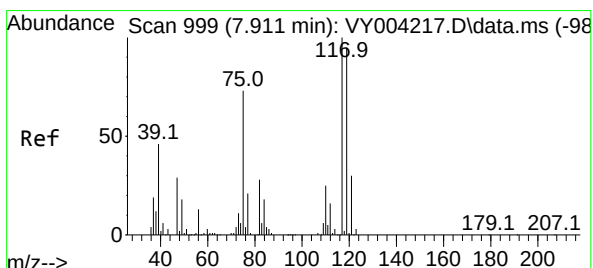
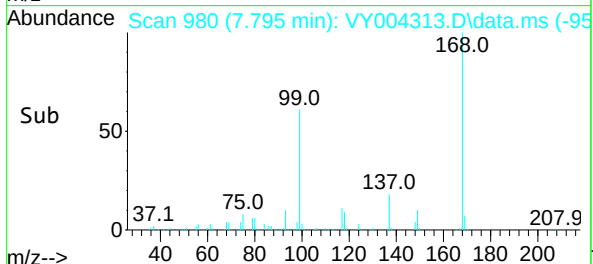
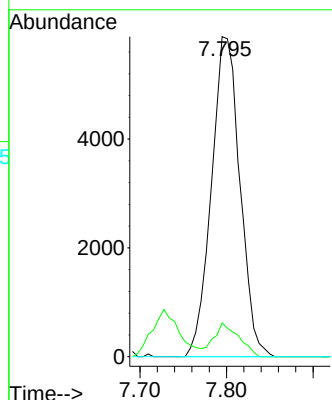
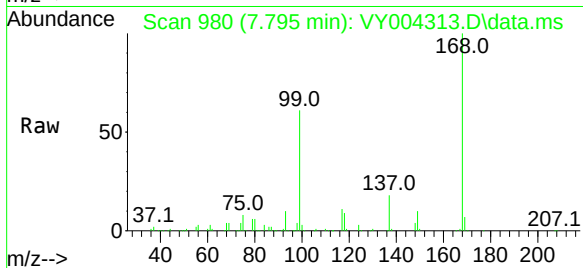
Delta R.T. -0.134 min

Lab File: VY004313.D

Acq: 07 Apr 2021 14:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 13446 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 9.3     | 18.1 54.3#  |
| 77 0.0      | 25.1 37.7#  |



#38

Carbon Tetrachloride

Concen: 7.09 ug/l

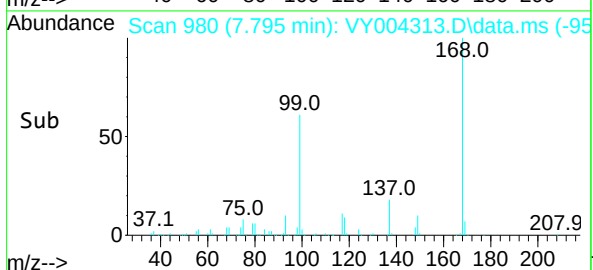
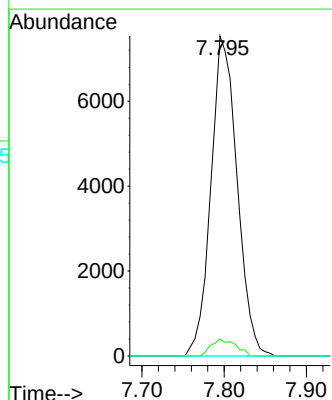
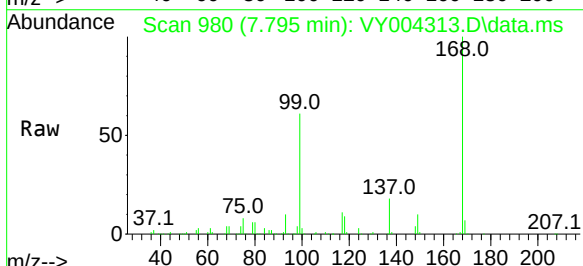
RT: 7.795 min Scan# 980

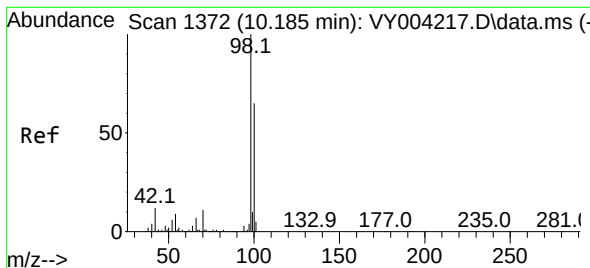
Delta R.T. -0.116 min

Lab File: VY004313.D

Acq: 07 Apr 2021 14:31

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 16696 |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 5.3      | 75.6 113.4# |
| 121 0.0      | 24.3 36.5#  |

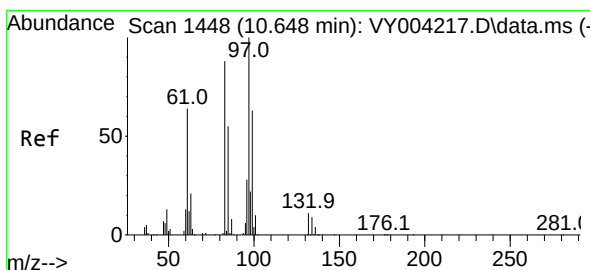
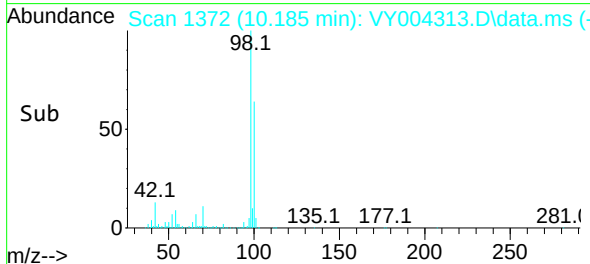
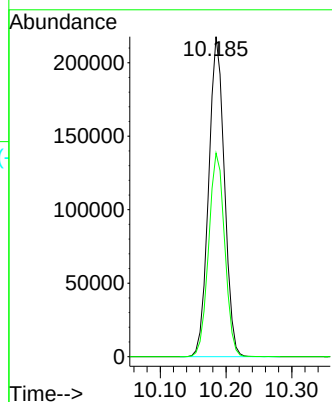
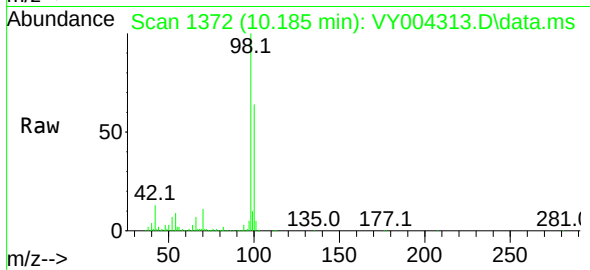




#50  
Toluene-d8  
Concen: 58.33 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

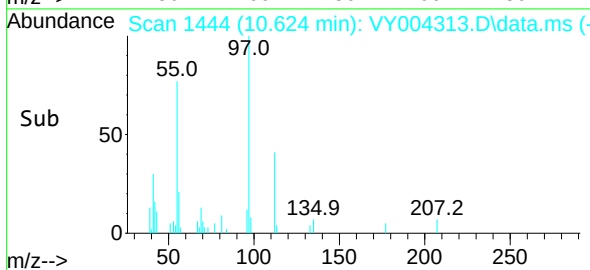
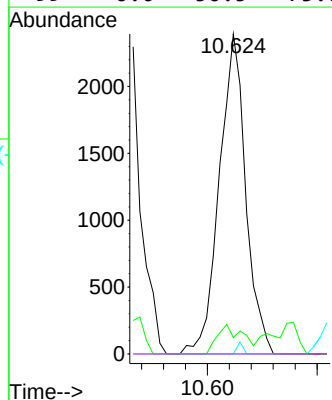
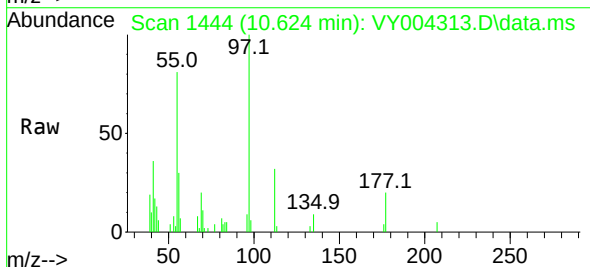
Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 98 Resp: 362709  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.5 78.7

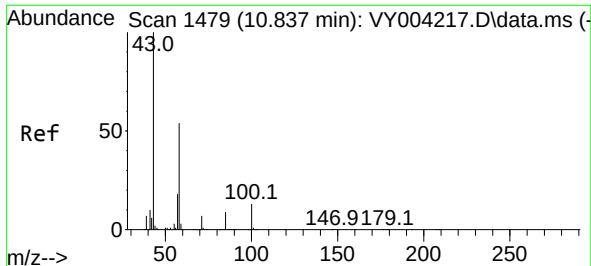


#55  
1,1,2-Trichloroethane  
Concen: 2.62 ug/l  
RT: 10.624 min Scan# 1444  
Delta R.T. -0.025 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

Tgt Ion: 97 Resp: 3999  
Ion Ratio Lower Upper  
97 100  
83 5.1 70.6 105.8#  
85 0.0 44.2 66.4#  
99 0.0 50.5 75.7#



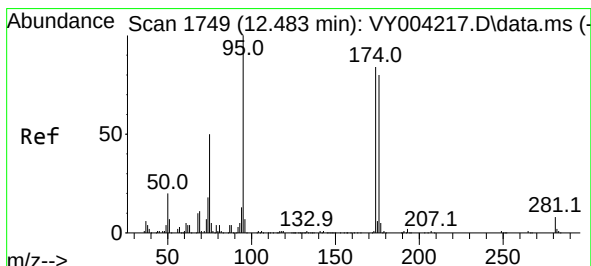
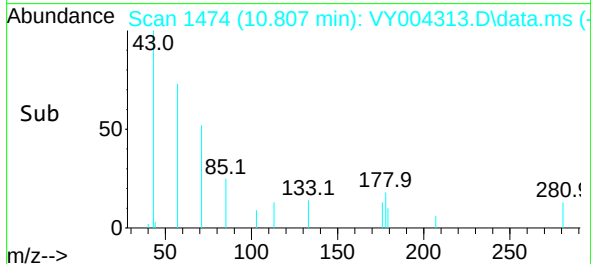
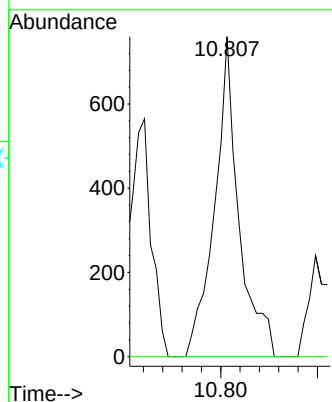
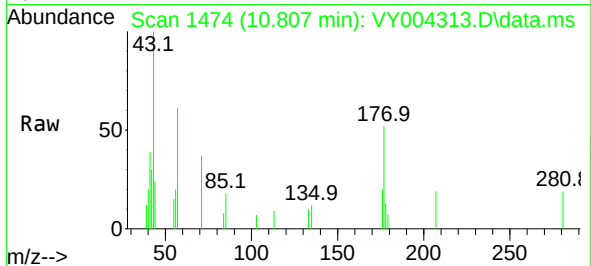




#59  
2-Hexanone  
Concen: 1.25 ug/l  
RT: 10.807 min Scan# 1474  
Delta R.T. -0.031 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

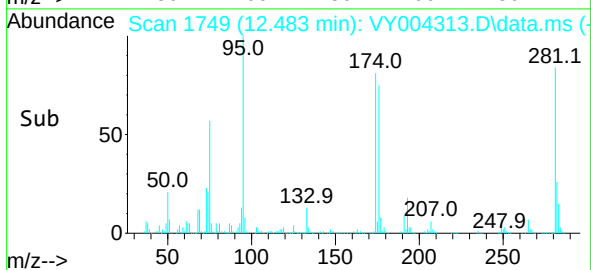
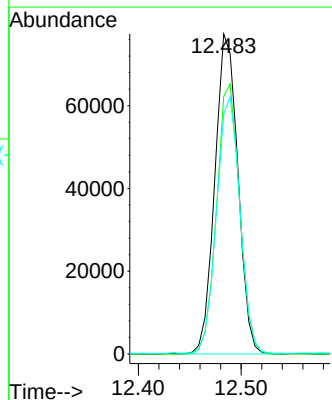
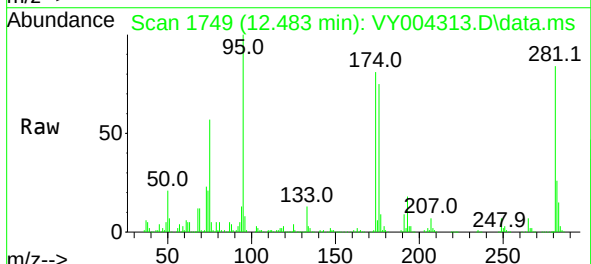
Instrument :  
MSVOA\_Y  
ClientSampleId :

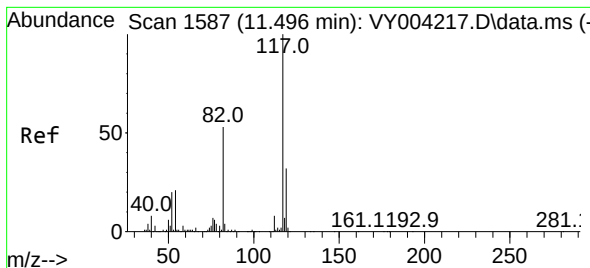
Tgt Ion: 43 Resp: 1320  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.7 80.1#



#62  
4-Bromofluorobenzene  
Concen: 56.39 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

Tgt Ion: 95 Resp: 120170  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 171.4  
176 81.6 0.0 165.6

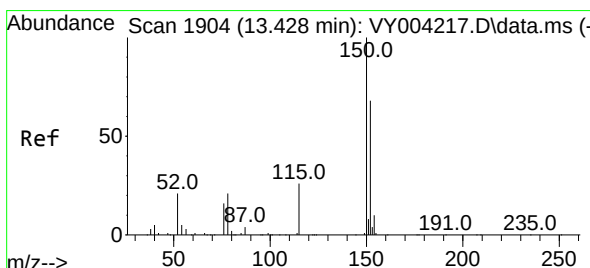
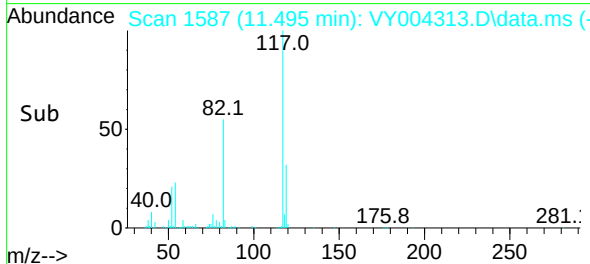
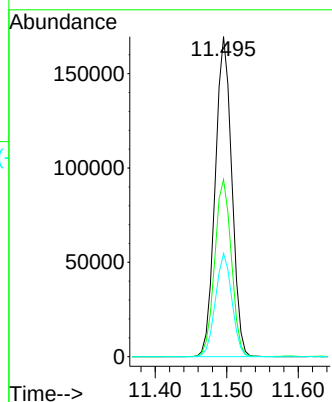
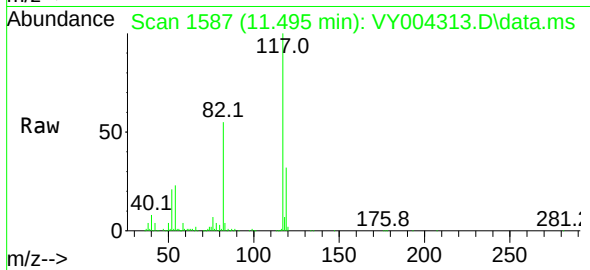




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

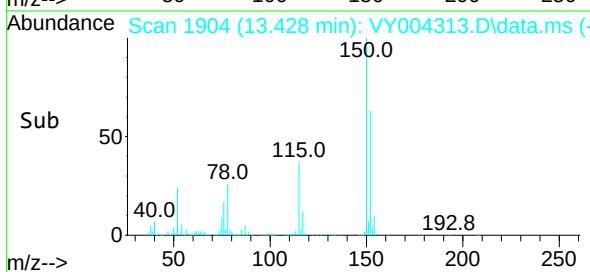
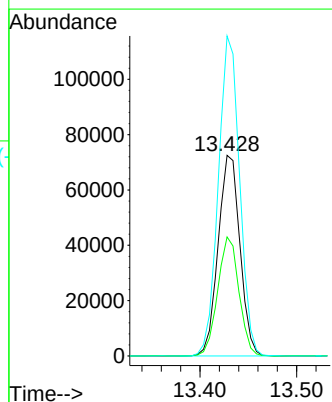
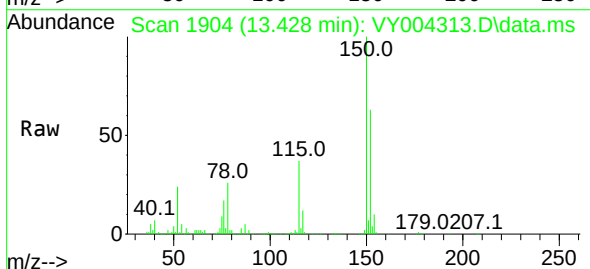
Instrument :  
MSVOA\_Y  
ClientSampleId :

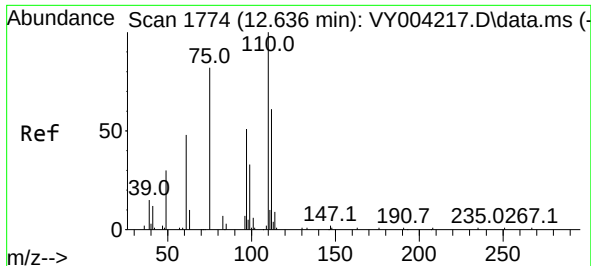
Tgt Ion:117 Resp: 273139  
Ion Ratio Lower Upper  
117 100  
82 55.3 42.7 64.1  
119 32.3 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

Tgt Ion:152 Resp: 113299  
Ion Ratio Lower Upper  
152 100  
115 57.9 29.0 87.1  
150 155.9 0.0 347.4

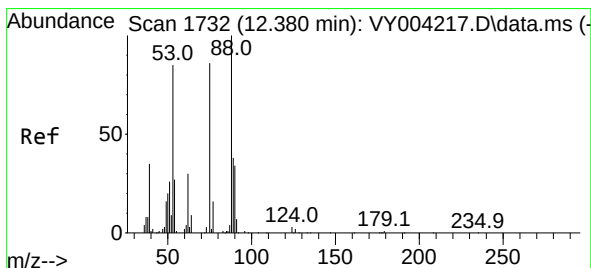
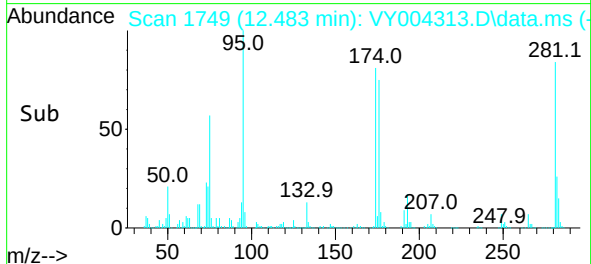
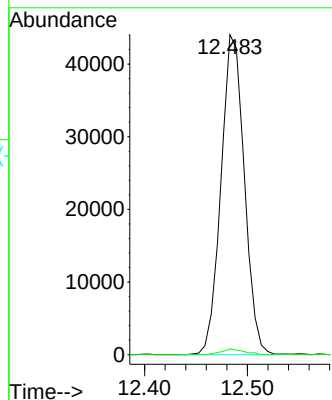
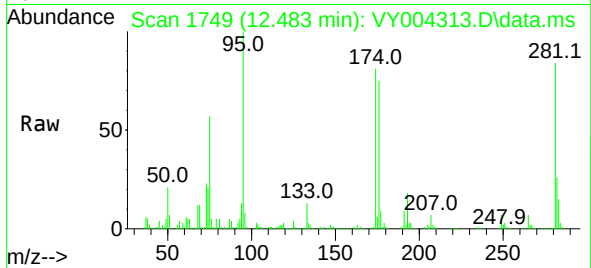




#76  
1,2,3-Trichloropropane  
Concen: 67.41 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

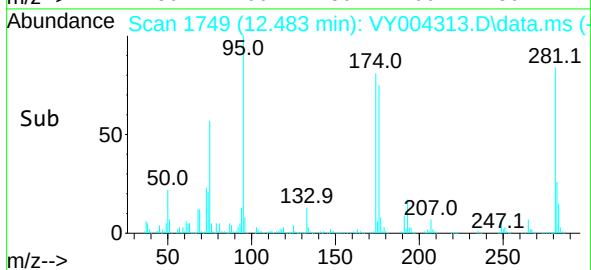
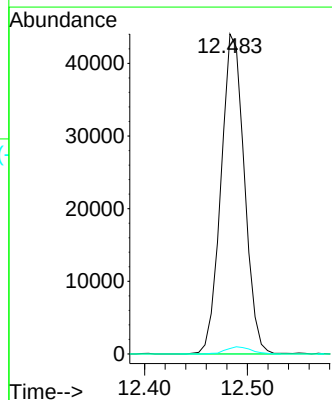
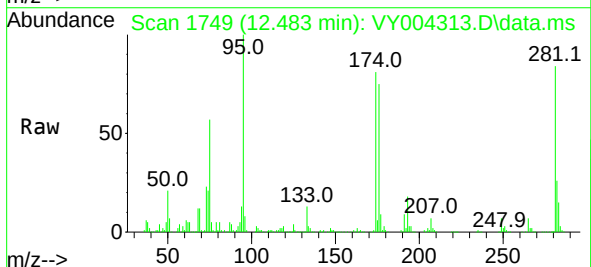
Instrument :  
MSVOA\_Y  
ClientSampleId :

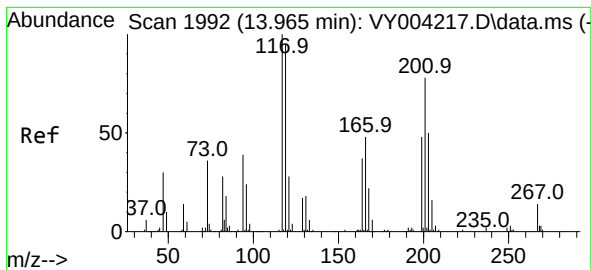
Tgt Ion: 75 Resp: 69352  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 124.24 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY004313.D  
Acq: 07 Apr 2021 14:31

Tgt Ion: 75 Resp: 69352  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.3 118.9#  
89 2.4 39.4 59.2#





#90  
 Hexachloroethane  
 Concen: 7.34 ug/l  
 RT: 13.965 min Scan# 1992  
 Delta R.T. -0.000 min  
 Lab File: VY004313.D  
 Acq: 07 Apr 2021 14:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:117 Resp: 46  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 37.6 112.9#

