

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
 Data File : VY005437.D  
 Acq On : 23 Jul 2021 23:38  
 Operator : SY/MD  
 Sample : M3159-10  
 Misc : 3.54G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210469-55

Quant Time: Jul 24 03:05:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 2021  
 Response via : Initial Calibration

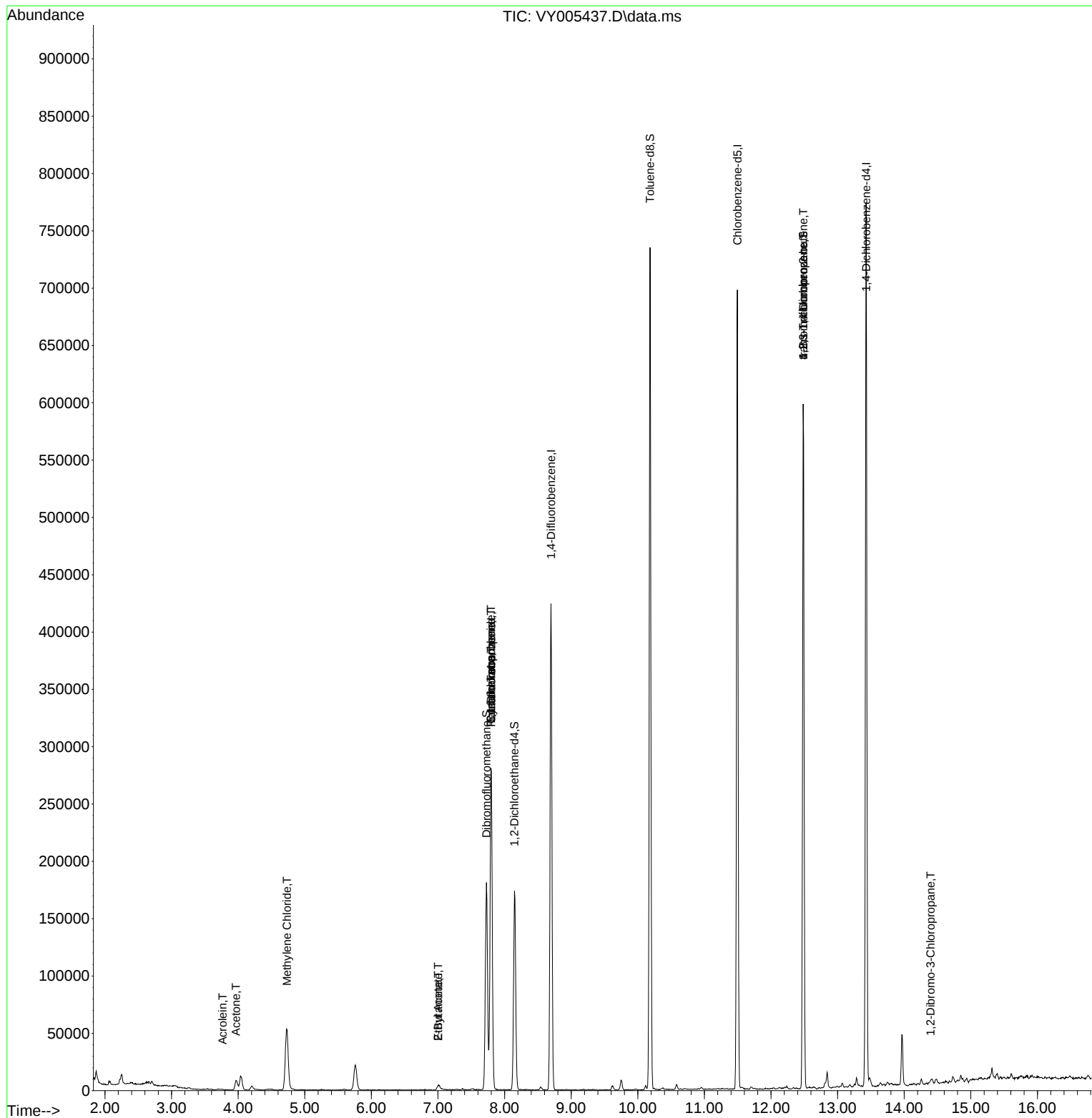
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.801     | 168   | 230920   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 352490   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 360999   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 189046   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65    | 139625   | 56.597   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | =      | 113.200% |
| 35) Dibromofluoromethane      | 7.728     | 113   | 122282   | 60.080   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | =      | 120.160% |
| 50) Toluene-d8                | 10.185    | 98    | 455856   | 52.844   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | =      | 105.680% |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 164078   | 57.630   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | =      | 115.260% |
| Target Compounds              |           |       |          |          |        |          |
|                               |           |       |          |          |        | Qvalue   |
| 13) Acrolein                  | 3.765     | 56    | 690      | 3.233    | ug/l   | 95       |
| 16) Acetone                   | 3.966     | 43    | 15769    | 27.989   | ug/l   | 96       |
| 20) Methylene Chloride        | 4.735     | 84    | 41302    | 11.799   | ug/l   | 95       |
| 25) 2-Butanone                | 7.002     | 43    | 6526     | 7.735    | ug/l   | 99       |
| 31) Cyclohexane               | 7.795     | 56    | 4501     | 1.069    | ug/l # | 17       |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 16832    | 4.939    | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.002     | 43    | 6526     | 3.146    | ug/l # | 70       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 20900    | 5.612    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 90715    | 48.767   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 90715    | 94.692   | ug/l # | 11       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.397    | 75    | 945      | 1.958    | ug/l # | 1        |
| -----                         |           |       |          |          |        |          |

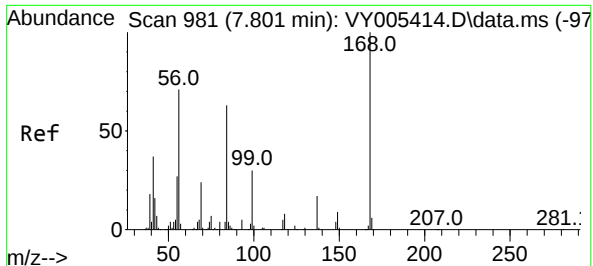
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
Data File : VY005437.D  
Acq On : 23 Jul 2021 23:38  
Operator : SY/MD  
Sample : M3159-10  
Misc : 3.54G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

Quant Time: Jul 24 03:05:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:20:14 2021  
Response via : Initial Calibration

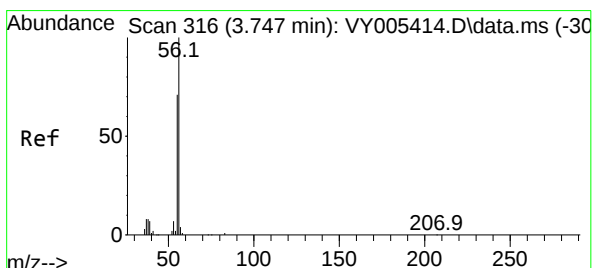
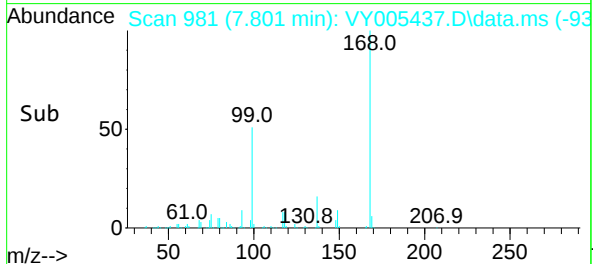
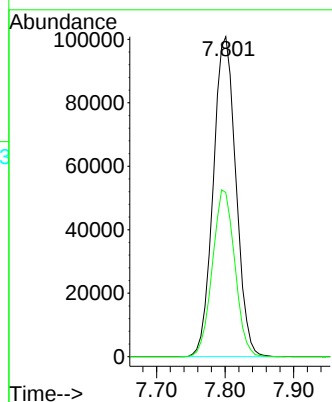
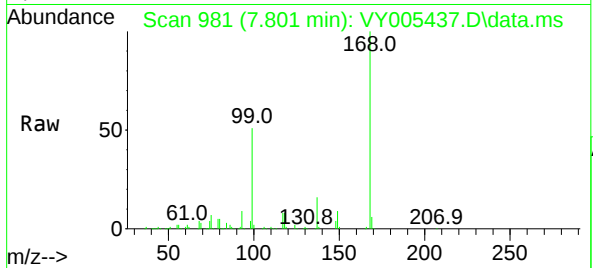




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

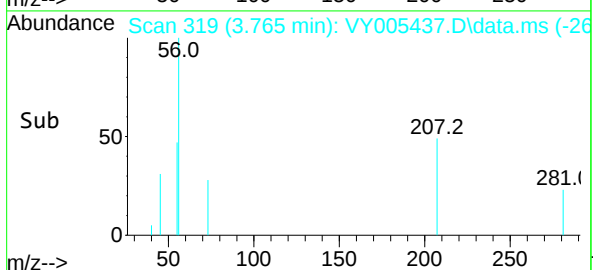
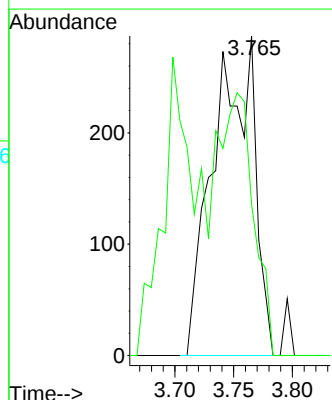
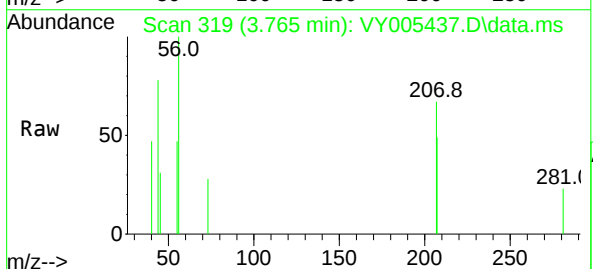
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

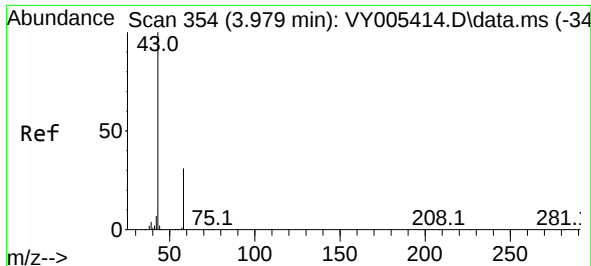
Tgt Ion:168 Resp: 230920  
Ion Ratio Lower Upper  
168 100  
99 51.3 39.8 59.6



#13  
Acrolein  
Concen: 3.233 ug/l  
RT: 3.765 min Scan# 319  
Delta R.T. 0.018 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

Tgt Ion: 56 Resp: 690  
Ion Ratio Lower Upper  
56 100  
55 72.8 55.2 82.8

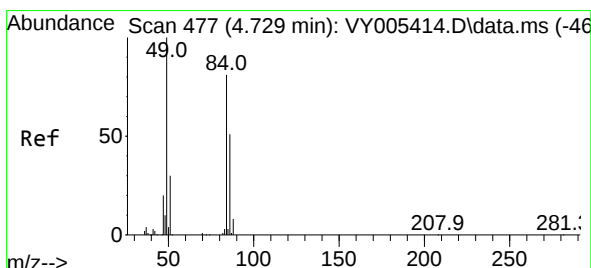
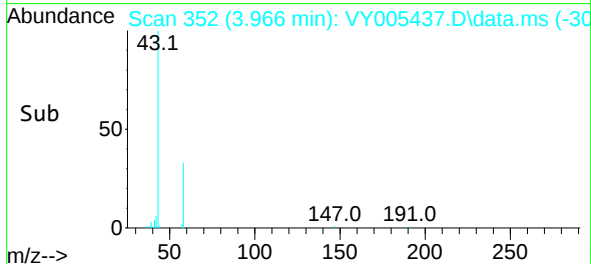
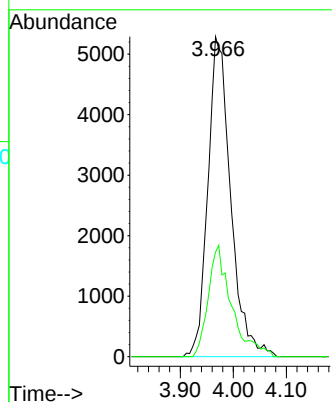
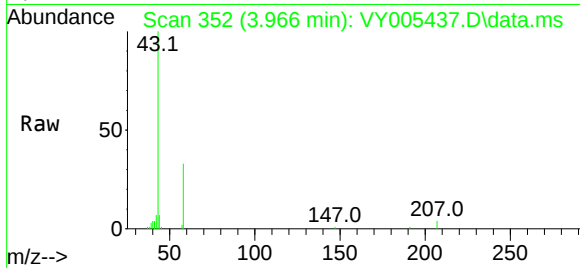




#16  
Acetone  
Concen: 27.989 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. -0.012 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

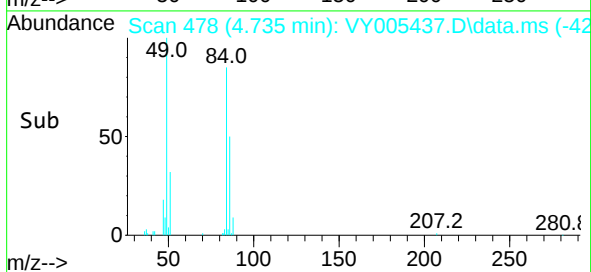
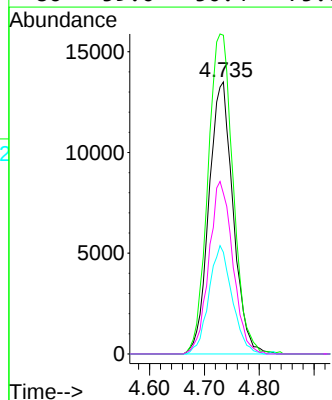
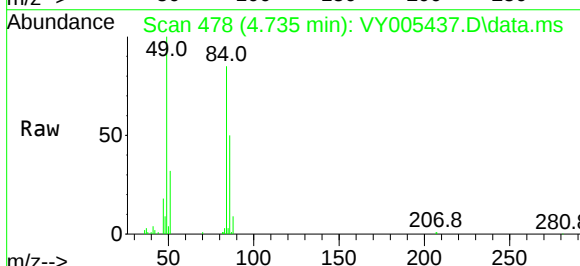
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

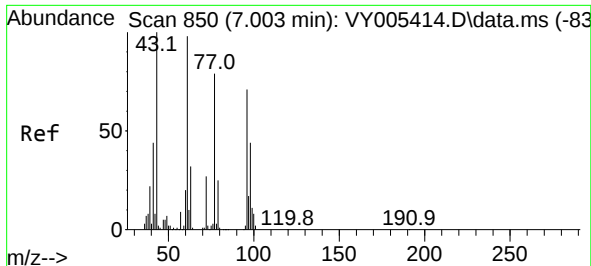
Tgt Ion: 43 Resp: 15769  
Ion Ratio Lower Upper  
43 100  
58 32.7 24.5 36.7



#20  
Methylene Chloride  
Concen: 11.799 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.006 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

Tgt Ion: 84 Resp: 41302  
Ion Ratio Lower Upper  
84 100  
49 117.1 98.9 148.3  
51 37.4 30.0 45.0  
86 59.0 50.4 75.6

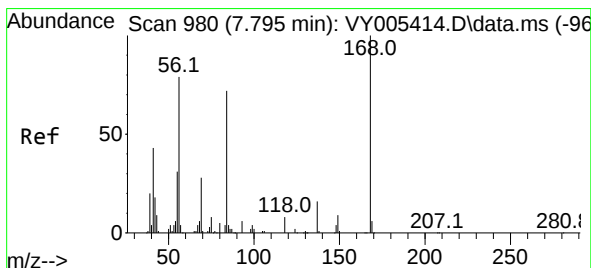
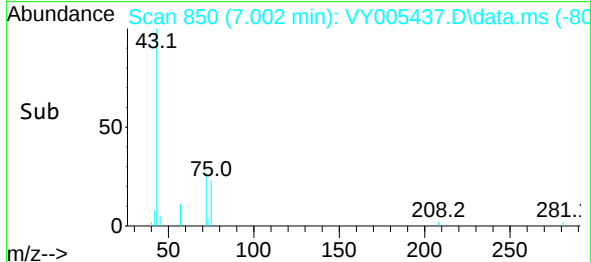
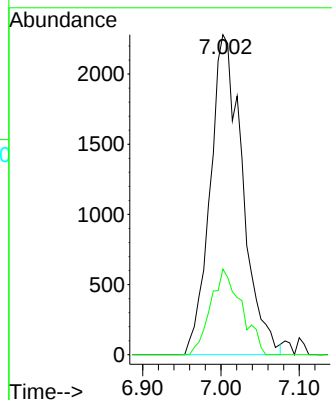
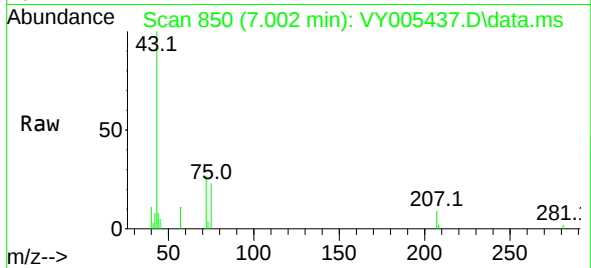




#25  
2-Butanone  
Concen: 7.735 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

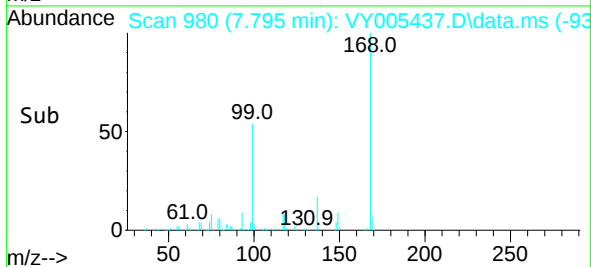
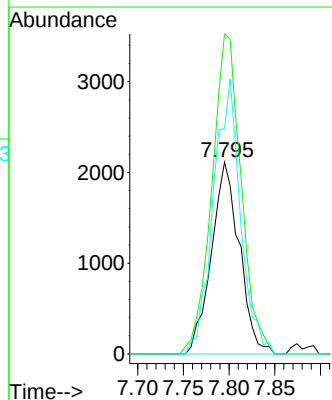
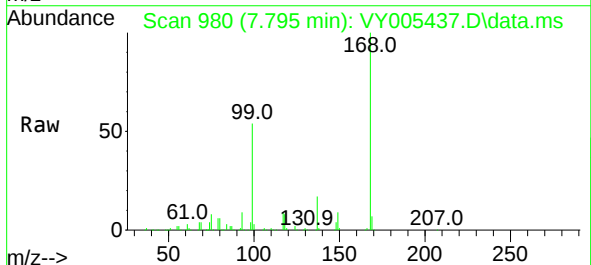
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

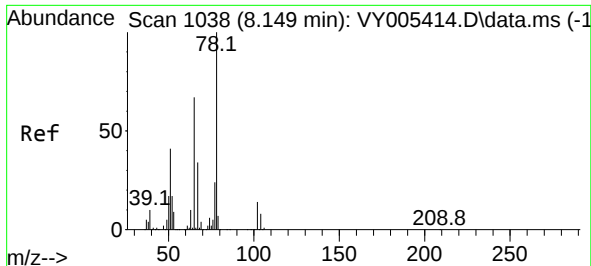
Tgt Ion: 43 Resp: 6526  
Ion Ratio Lower Upper  
43 100  
72 26.8 21.9 32.9



#31  
Cyclohexane  
Concen: 1.069 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

Tgt Ion: 56 Resp: 4501  
Ion Ratio Lower Upper  
56 100  
69 166.8 28.7 43.1#  
84 117.5 73.0 109.6#

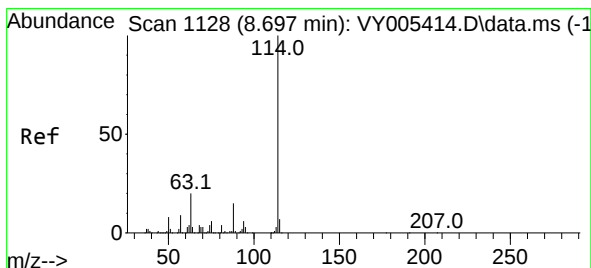
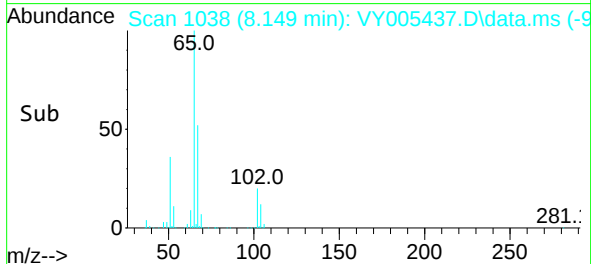
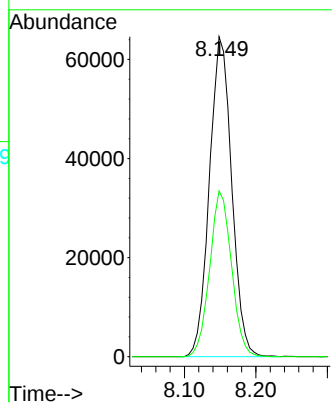
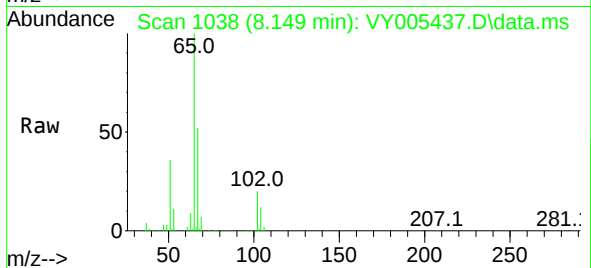




#33  
1,2-Dichloroethane-d4  
Concen: 56.597 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

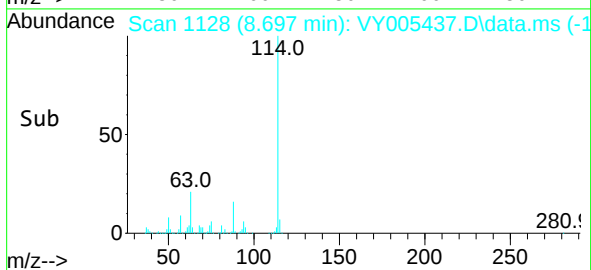
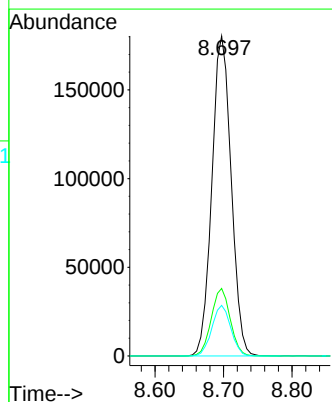
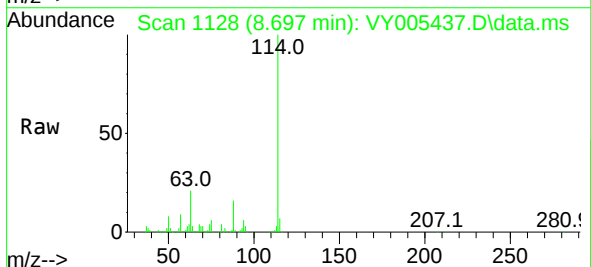
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

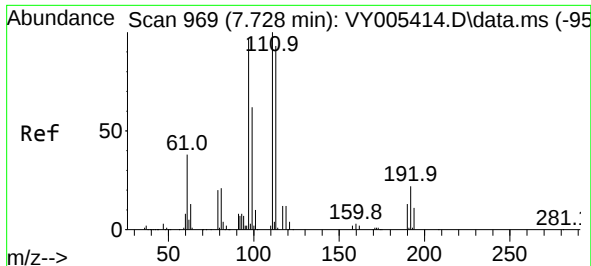
Tgt Ion: 65 Resp: 139625  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 102.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

Tgt Ion:114 Resp: 352490  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 39.0  
88 15.8 0.0 30.8

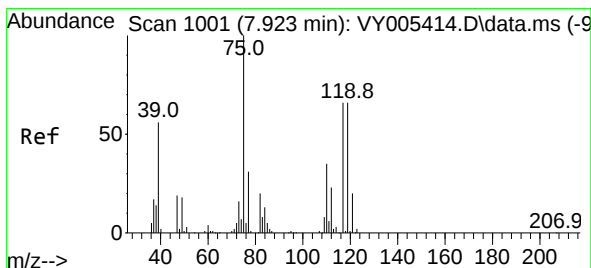
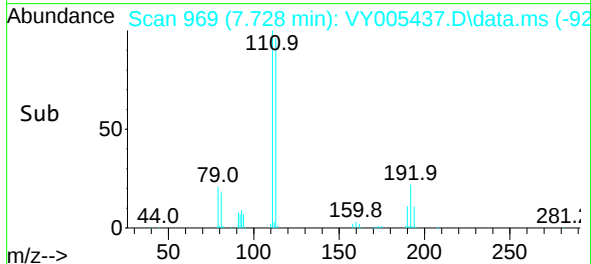
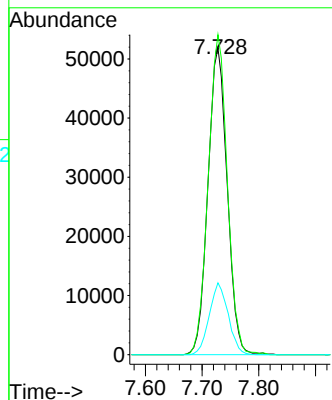
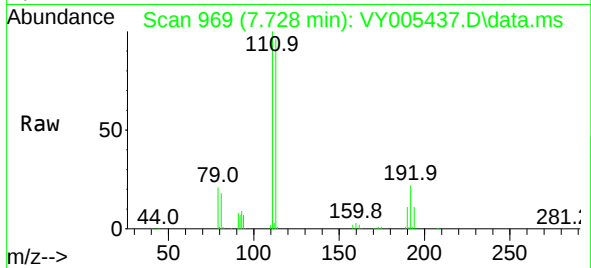




#35  
Dibromofluoromethane  
Concen: 60.080 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

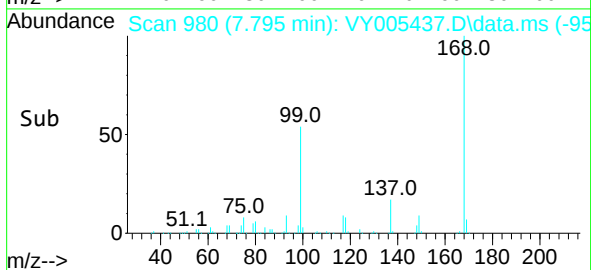
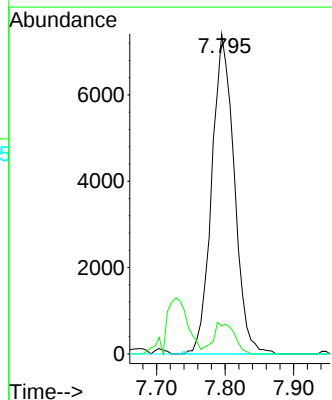
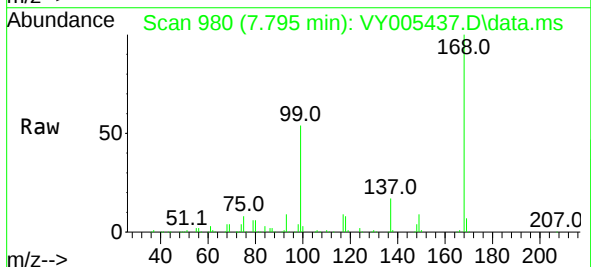
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

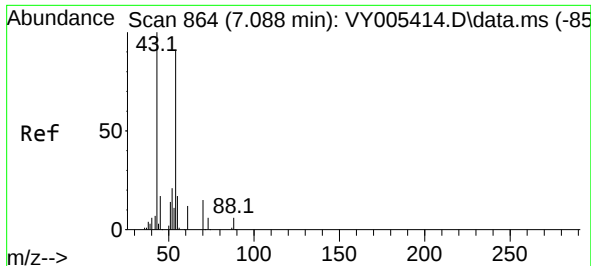
Tgt Ion:113 Resp: 122282  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.6 124.0  
192 23.0 18.9 28.3



#36  
1,1-Dichloropropene  
Concen: 4.939 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

Tgt Ion: 75 Resp: 16832  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.6 52.9#  
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 3.146 ug/l

RT: 7.002 min Scan# 850

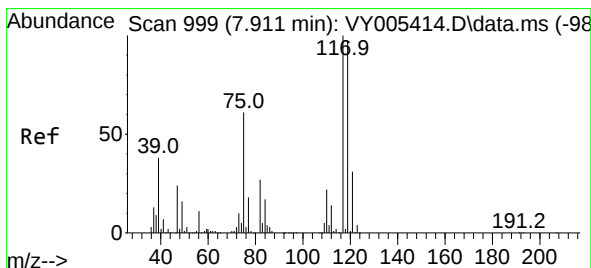
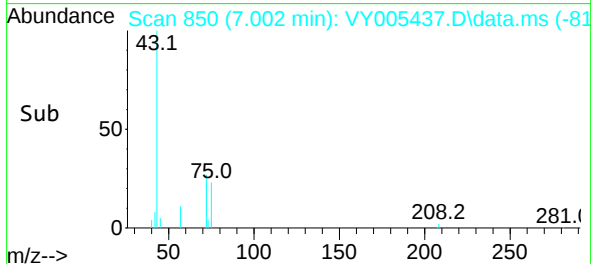
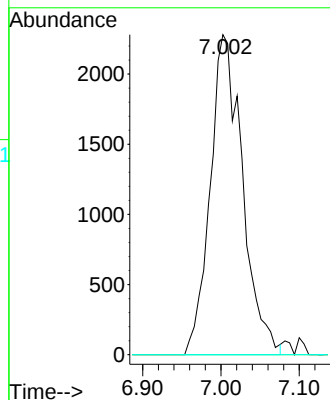
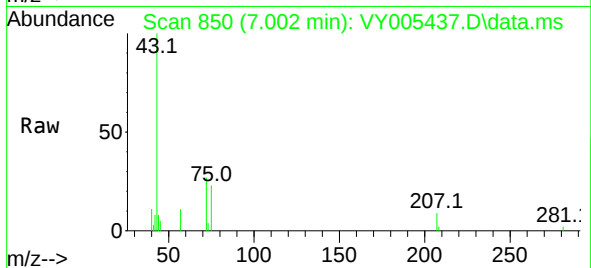
Delta R.T. -0.085 min

Lab File: VY005437.D

Acq: 23 Jul 2021 23:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6526  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 10.3  | 15.5# |
| 70       | 0.0   | 7.9   | 11.9# |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55



#38

Carbon Tetrachloride

Concen: 5.612 ug/l

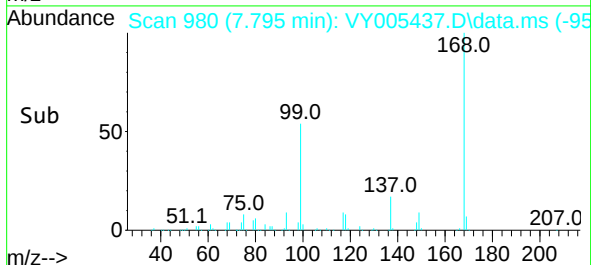
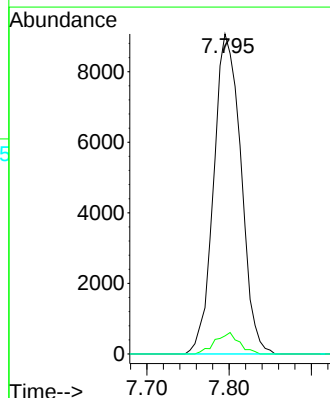
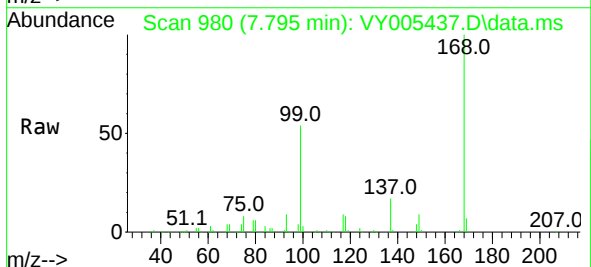
RT: 7.795 min Scan# 980

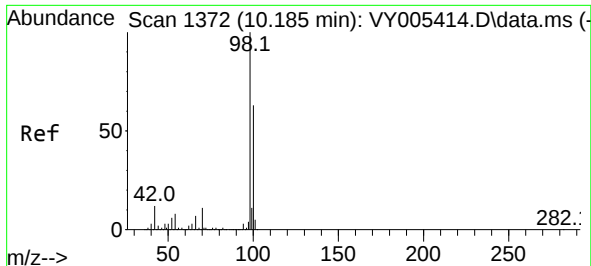
Delta R.T. -0.116 min

Lab File: VY005437.D

Acq: 23 Jul 2021 23:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 20900  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.6   | 77.2  | 115.8# |
| 121      | 0.0   | 25.1  | 37.7#  |

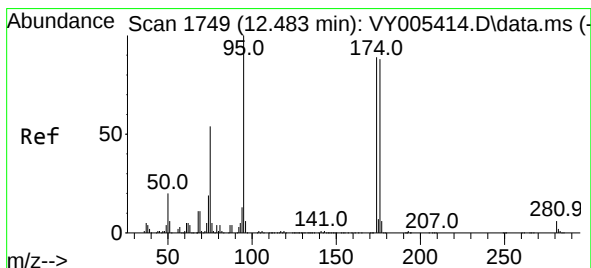
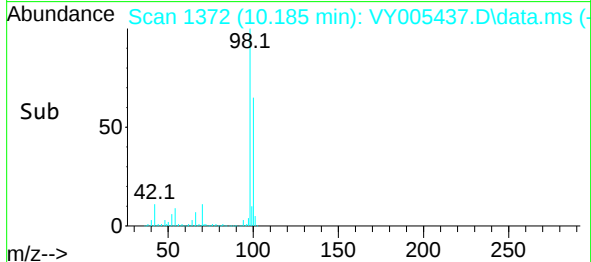
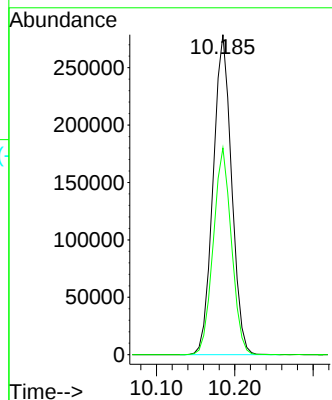
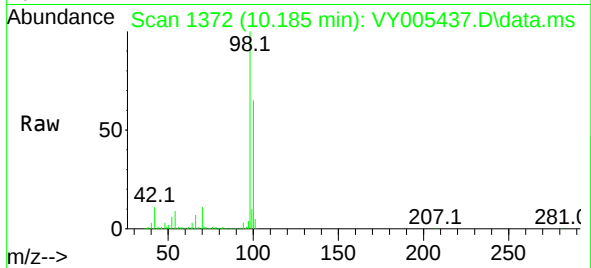




#50  
Toluene-d8  
Concen: 52.844 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

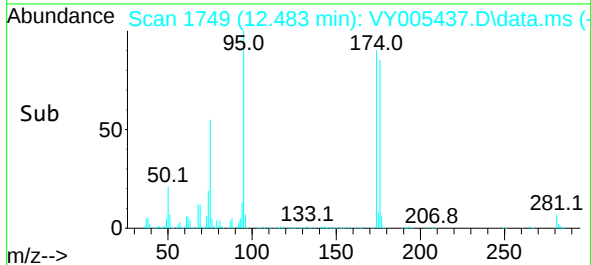
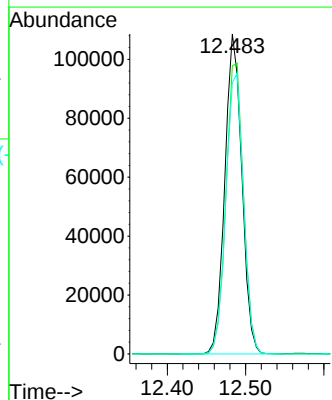
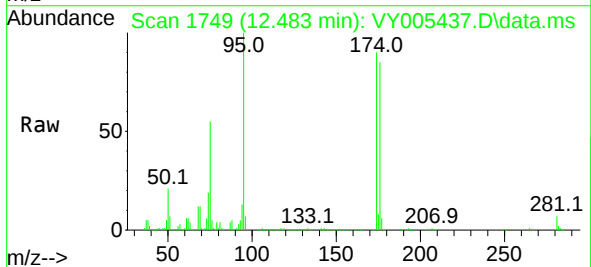
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

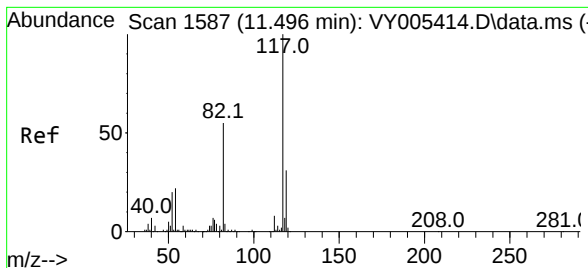
Tgt Ion: 98 Resp: 455856  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 57.630 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

Tgt Ion: 95 Resp: 164078  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 186.6  
176 90.7 0.0 182.4

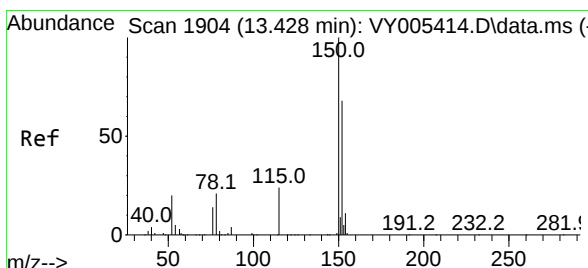
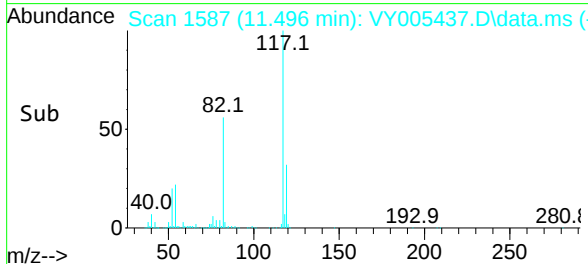
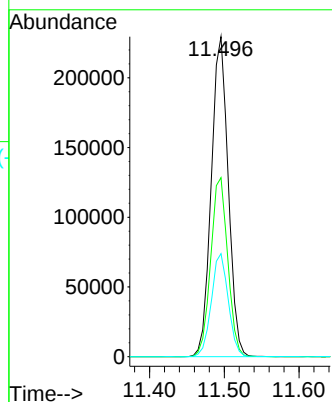
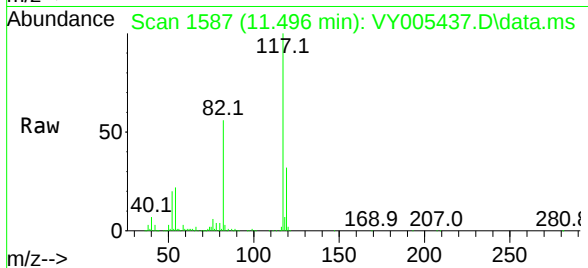




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

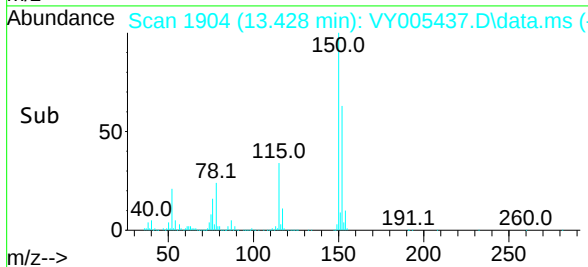
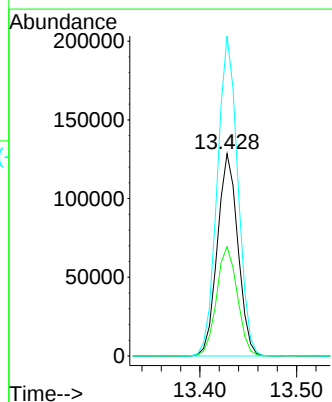
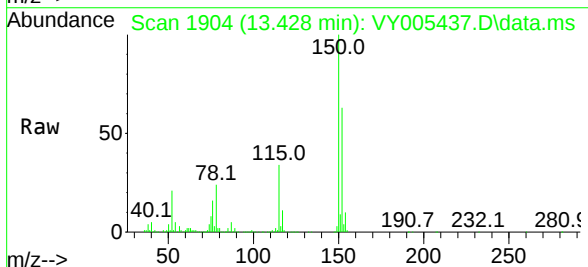
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

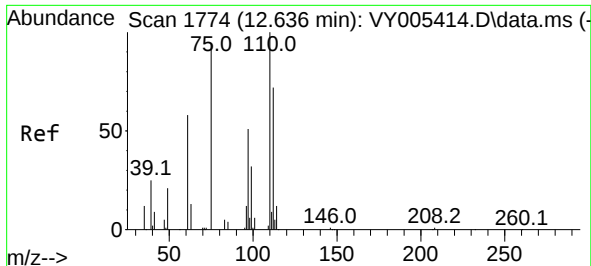
Tgt Ion:117 Resp: 360999  
Ion Ratio Lower Upper  
117 100  
82 56.0 43.8 65.6  
119 32.2 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

Tgt Ion:152 Resp: 189046  
Ion Ratio Lower Upper  
152 100  
115 54.8 27.7 83.1  
150 158.2 0.0 349.6

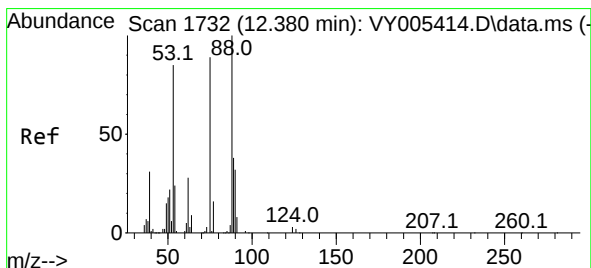
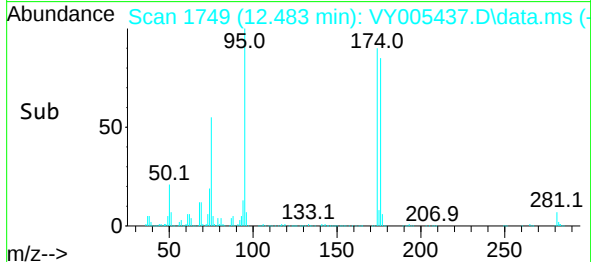
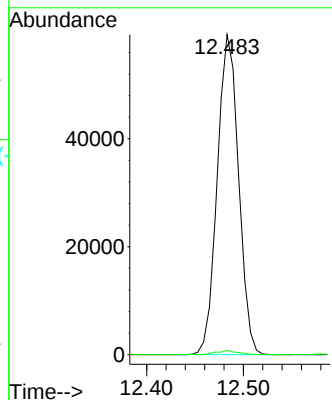
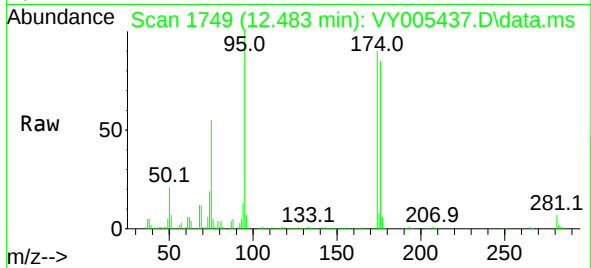




#76  
1,2,3-Trichloropropane  
Concen: 48.767 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

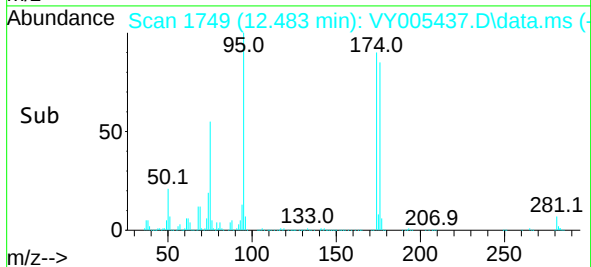
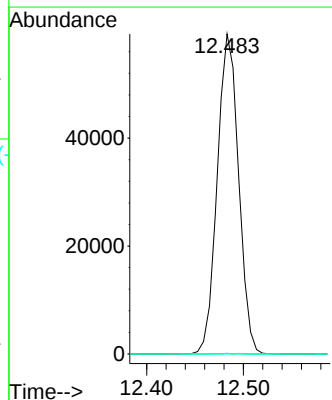
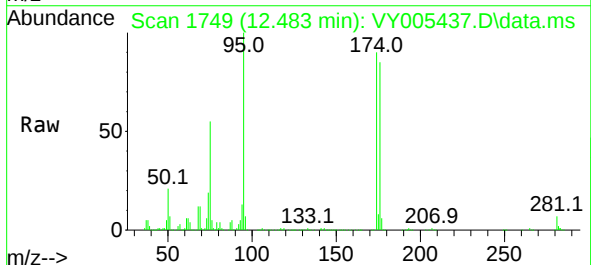
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210469-55

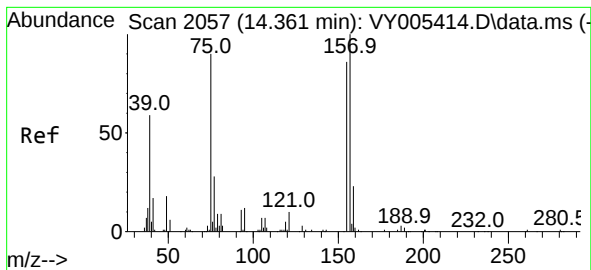
Tgt Ion: 75 Resp: 90715  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.692 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005437.D  
Acq: 23 Jul 2021 23:38

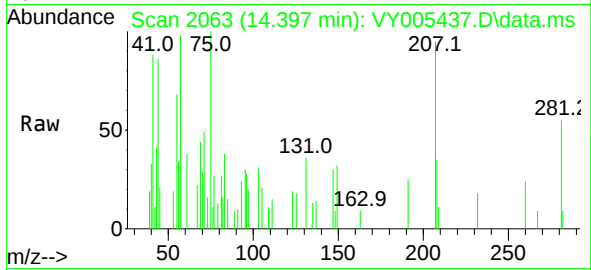
Tgt Ion: 75 Resp: 90715  
Ion Ratio Lower Upper  
75 100  
53 0.1 76.1 114.1#  
89 0.1 36.9 55.3#





#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.958 ug/l  
 RT: 14.397 min Scan# 2063  
 Delta R.T. 0.036 min  
 Lab File: VY005437.D  
 Acq: 23 Jul 2021 23:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210469-55



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 945    |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 155       | 0.0   | 43.6  | 130.8# |
| 157       | 0.0   | 54.1  | 162.3# |

