

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092921\  
 Data File : VY006222.D  
 Acq On : 29 Sep 2021 18:48  
 Operator : SY/MD  
 Sample : M3966-05  
 Misc : 7.93G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

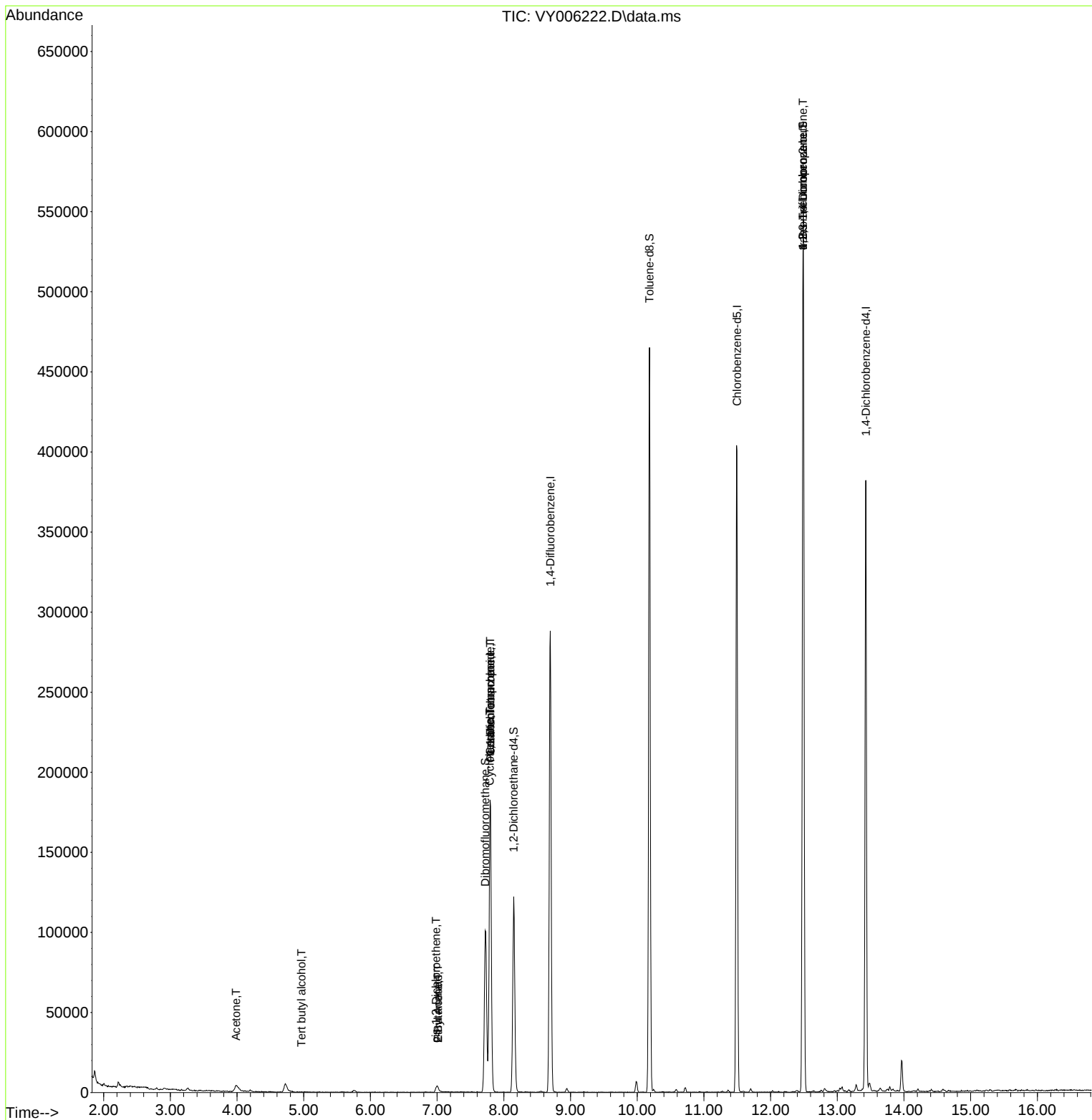
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

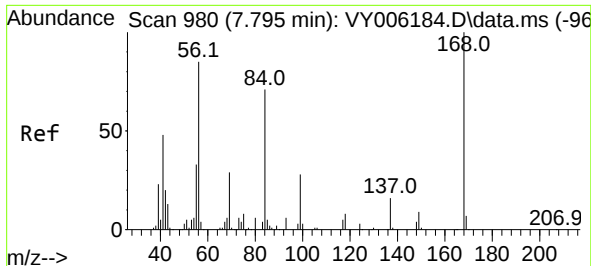
Quant Time: Sep 30 07:34:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 142466   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 234929   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 210769   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 94171    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.148  | 65    | 95638    | 62.722    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 125.440% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 69094    | 55.049    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 110.100% |          |
| 50) Toluene-d8                | 10.185 | 98    | 294288   | 56.023    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 112.040% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 92359    | 51.756    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 103.520% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.966  | 59    | 152      | 1.140     | ug/l #     | 77       |
| 16) Acetone                   | 3.985  | 43    | 11065    | 25.982    | ug/l       | 94       |
| 20) Methylene Chloride        | 4.722  | 84    | 3536     | Below Cal | #          | 87       |
| 25) 2-Butanone                | 7.014  | 43    | 2887     | 4.866     | ug/l #     | 81       |
| 27) cis-1,2-Dichloroethene    | 6.984  | 96    | 1953     | 1.179     | ug/l       | 84       |
| 31) Cyclohexane               | 7.789  | 56    | 3278     | 1.135     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 11220    | 4.800     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 7.014  | 43    | 2887     | 2.120     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 14040    | 5.688     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 52836    | 57.726    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 52836    | 113.439   | ug/l #     | 8        |
| -----                         |        |       |          |           |            |          |

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

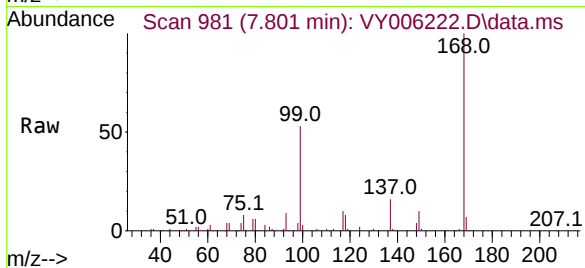
Quant Time: Sep 30 07:34:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 17:44:36 2021  
Response via : Initial Calibration



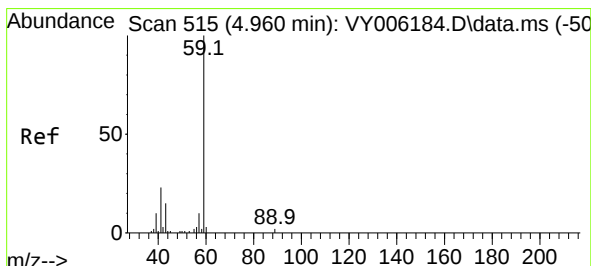
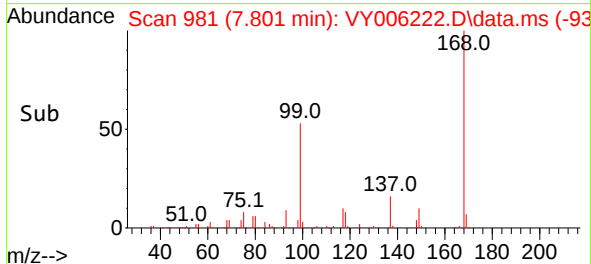
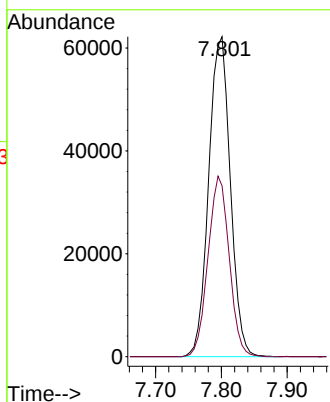


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

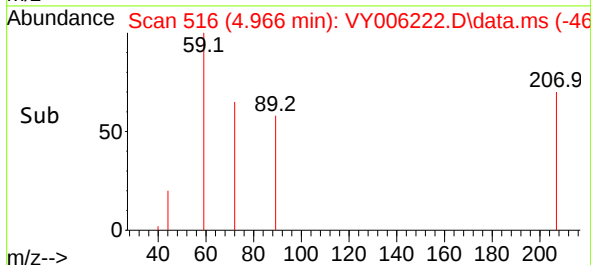
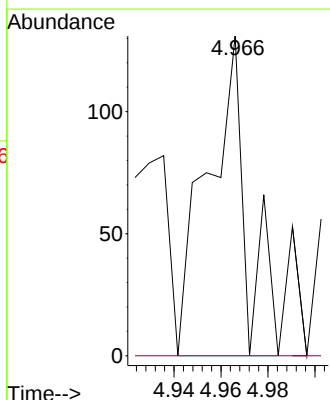
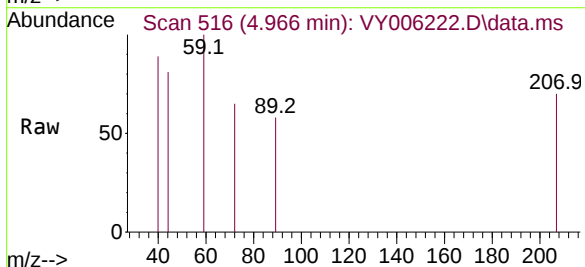


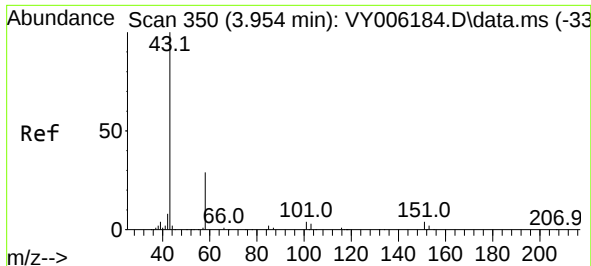
Tgt Ion:168 Resp: 142466  
Ion Ratio Lower Upper  
168 100  
99 53.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 1.140 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

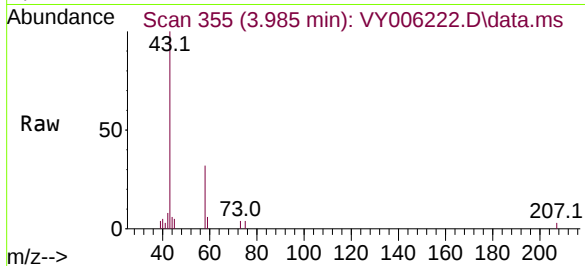
Tgt Ion: 59 Resp: 152  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



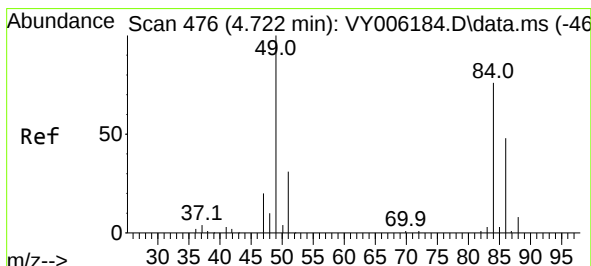
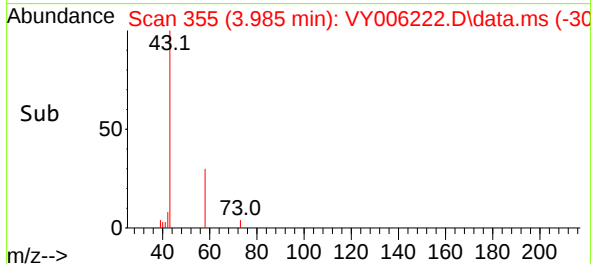
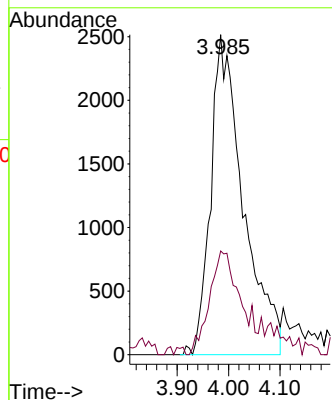


#16  
Acetone  
Concen: 25.982 ug/l  
RT: 3.985 min Scan# 355  
Delta R.T. 0.030 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

Instrument :  
MSVOA\_Y  
ClientSampled :

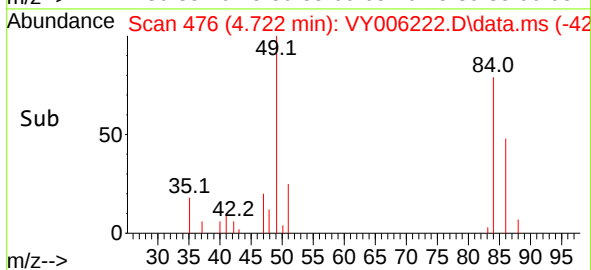
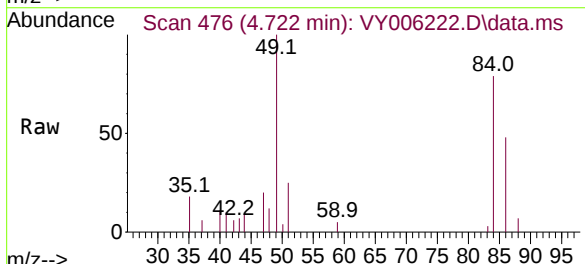
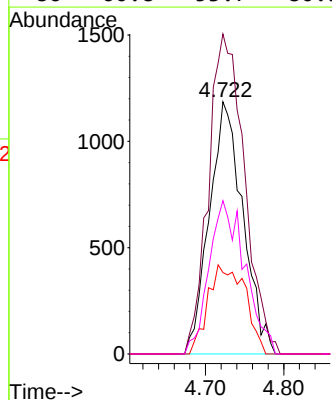


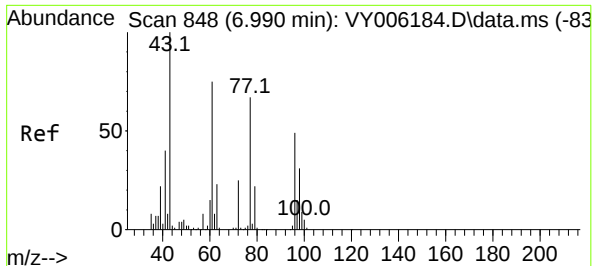
Tgt Ion: 43 Resp: 11065  
Ion Ratio Lower Upper  
43 100  
58 30.4 22.0 33.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

Tgt Ion: 84 Resp: 3536  
Ion Ratio Lower Upper  
84 100  
49 126.9 114.4 171.6  
51 32.3 35.3 52.9#  
86 60.8 53.7 80.5





#25

2-Butanone

Concen: 4.866 ug/l

RT: 7.014 min Scan# 852

Delta R.T. 0.024 min

Lab File: VY006222.D

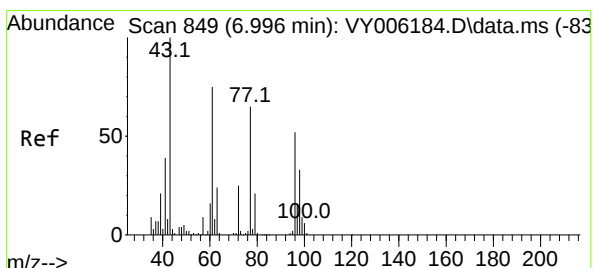
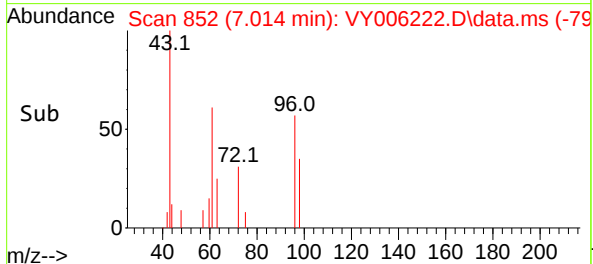
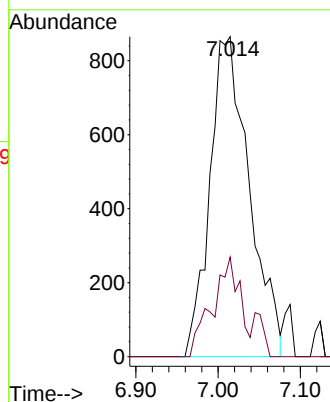
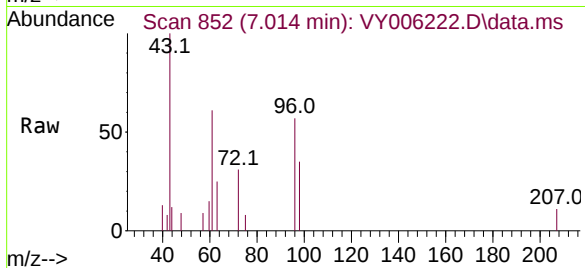
Acq: 29 Sep 2021 18:48

Tgt Ion: 43 Resp: 2887

Ion Ratio Lower Upper

43 100

72 31.1 17.7 26.5#



#27

cis-1,2-Dichloroethene

Concen: 1.179 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY006222.D

Acq: 29 Sep 2021 18:48

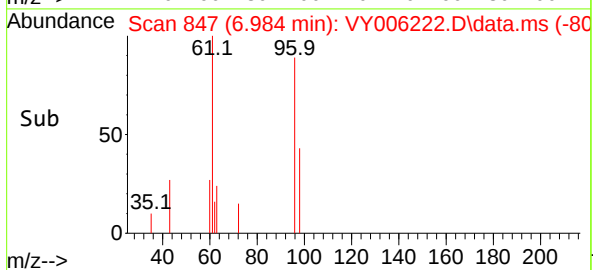
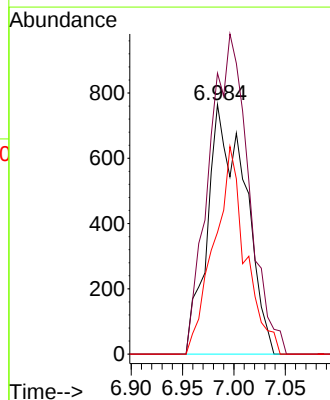
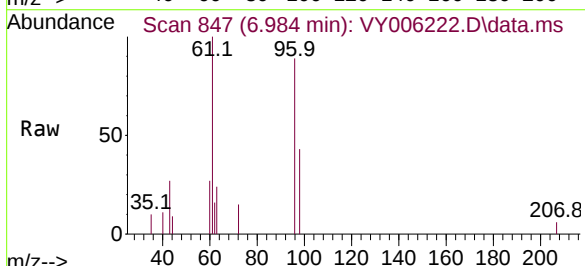
Tgt Ion: 96 Resp: 1953

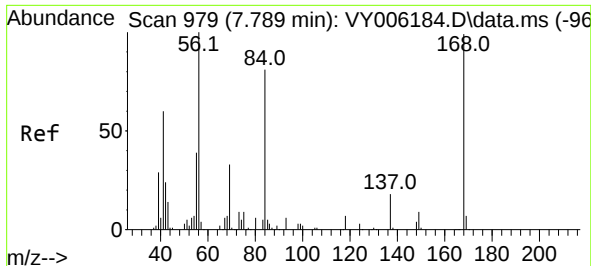
Ion Ratio Lower Upper

96 100

61 134.7 0.0 319.8

98 69.4 0.0 127.0

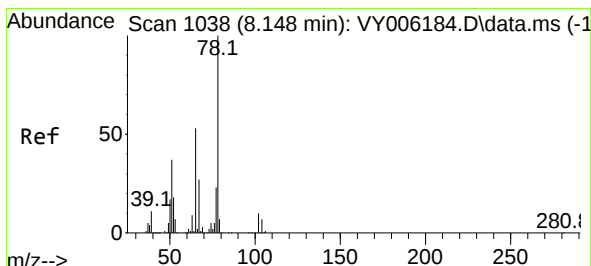
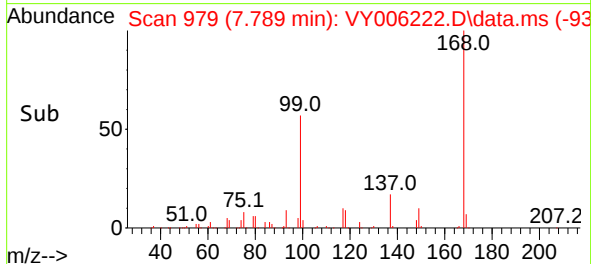
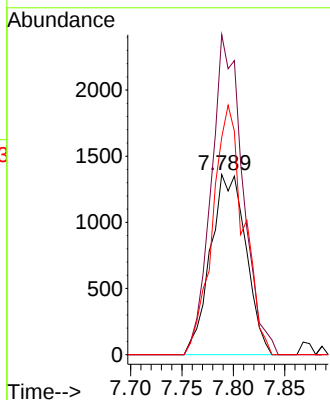
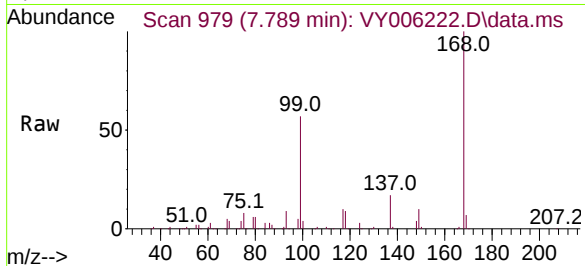




#31  
Cyclohexane  
Concen: 1.135 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

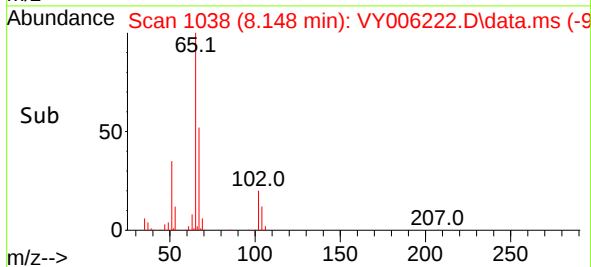
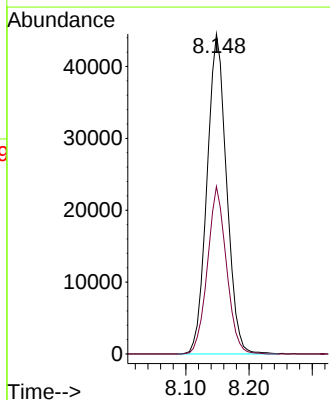
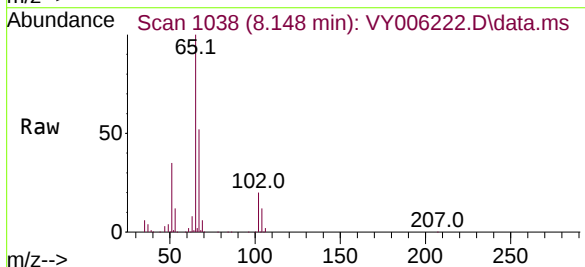
Instrument :  
MSVOA\_Y  
ClientSampled :

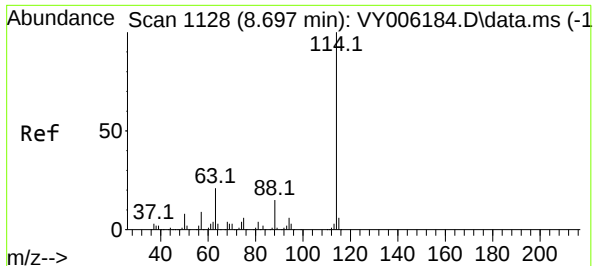
Tgt Ion: 56 Resp: 3278  
Ion Ratio Lower Upper  
56 100  
69 177.6 26.7 40.1#  
84 120.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 62.722 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

Tgt Ion: 65 Resp: 95638  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 99.4

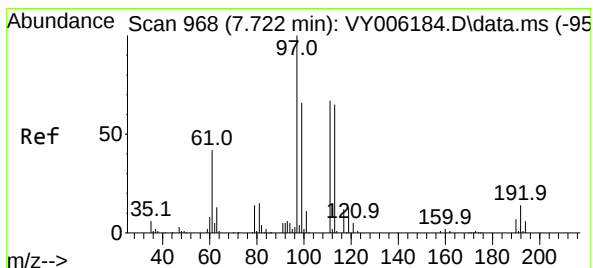
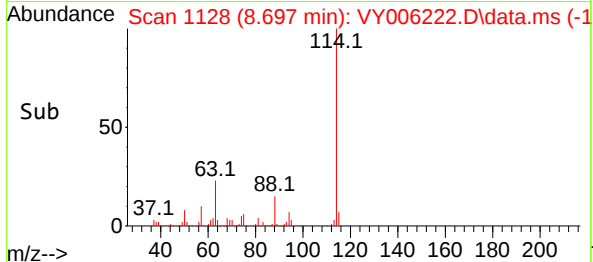
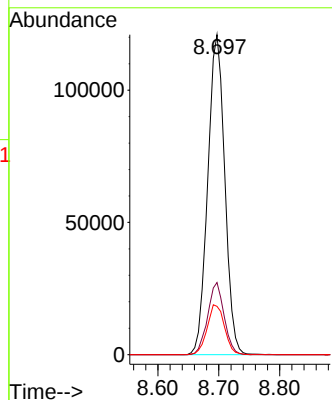
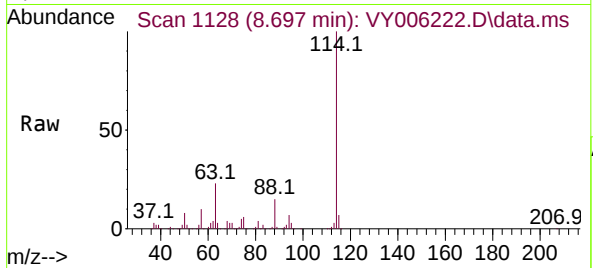




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

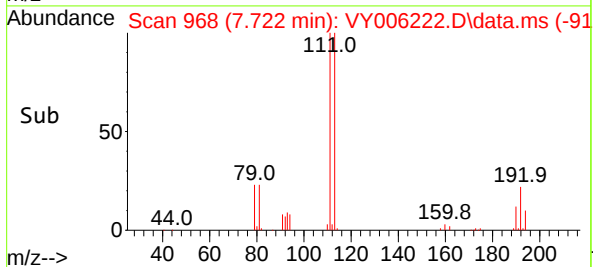
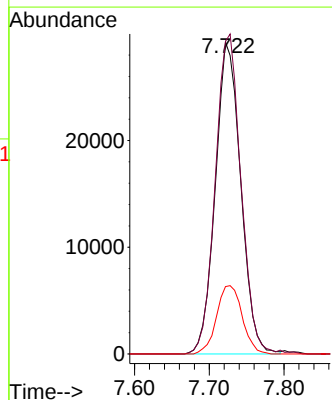
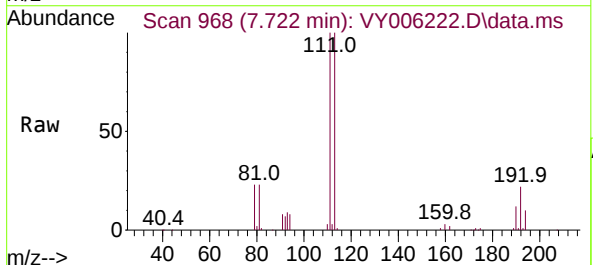
Instrument :  
MSVOA\_Y  
ClientSampleId :

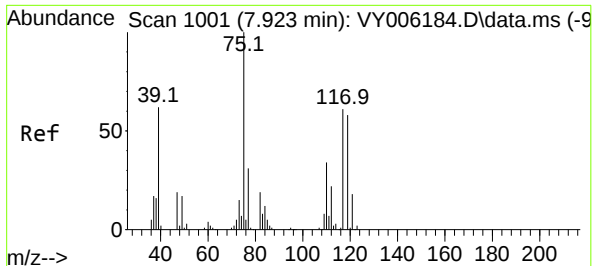
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 234929 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.6  | 0.0   | 43.2   |
| 88       | 15.1  | 0.0   | 31.8   |



#35  
Dibromofluoromethane  
Concen: 55.049 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 69094 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.8 | 82.6  | 124.0 |
| 192      | 22.1  | 17.6  | 26.4  |





#36

1,1-Dichloropropene

Concen: 4.800 ug/l

RT: 7.795 min Scan# 980

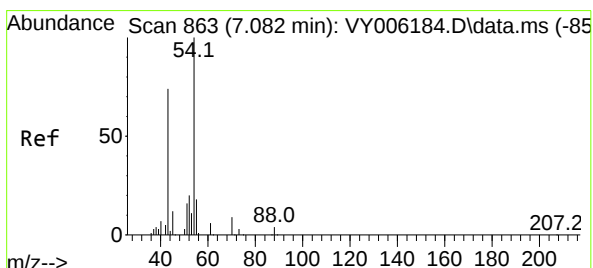
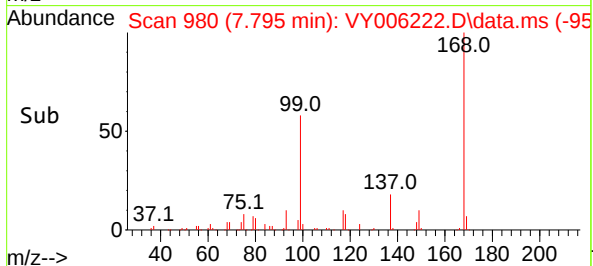
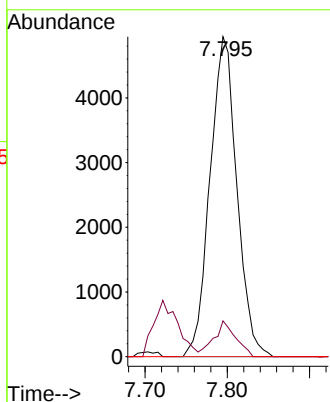
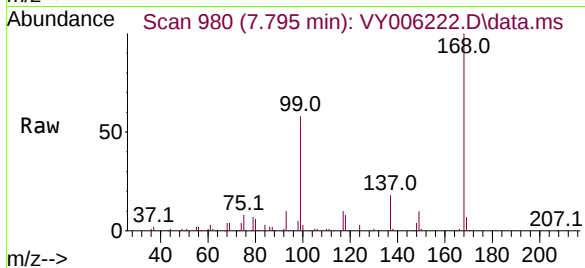
Delta R.T. -0.128 min

Lab File: VY006222.D

Acq: 29 Sep 2021 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11220 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.1   | 17.1  | 51.2# |
| 77       | 0.0   | 24.4  | 36.6# |

Instrument :  
MSVOA\_Y  
ClientSampleId :



#37

Ethyl Acetate

Concen: 2.120 ug/l

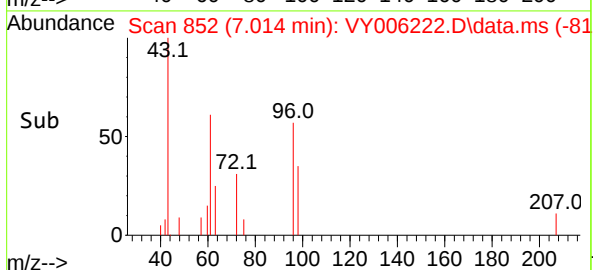
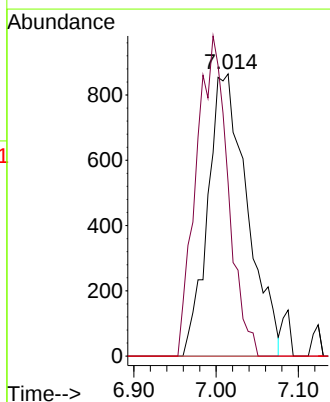
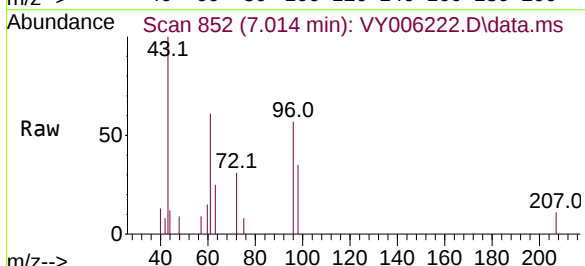
RT: 7.014 min Scan# 852

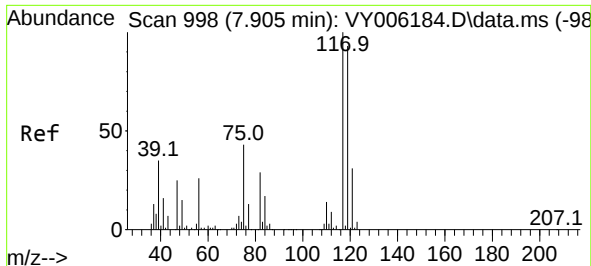
Delta R.T. -0.067 min

Lab File: VY006222.D

Acq: 29 Sep 2021 18:48

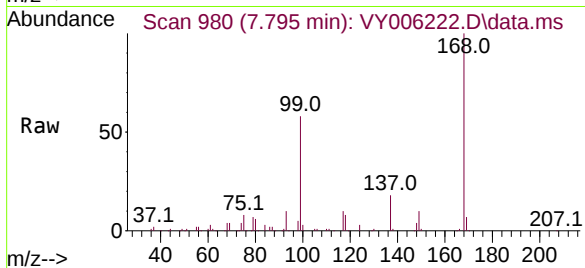
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2887  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 91.1  | 9.7   | 14.5# |
| 70       | 0.0   | 7.1   | 10.7# |



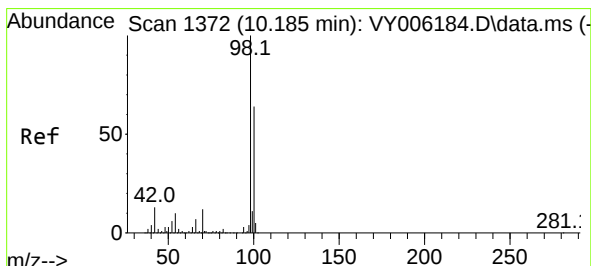
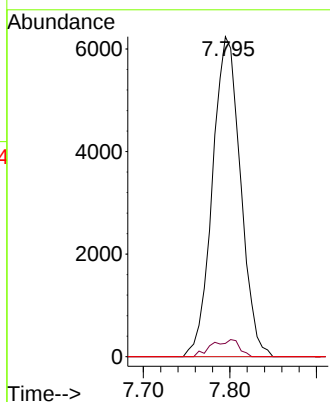
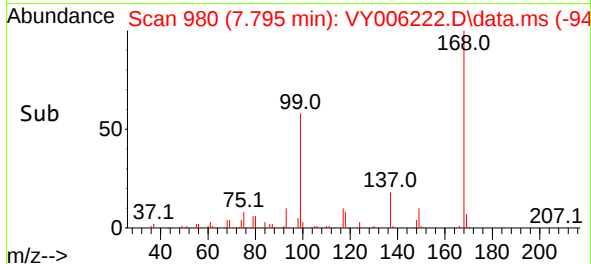


#38  
Carbon Tetrachloride  
Concen: 5.688 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.110 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

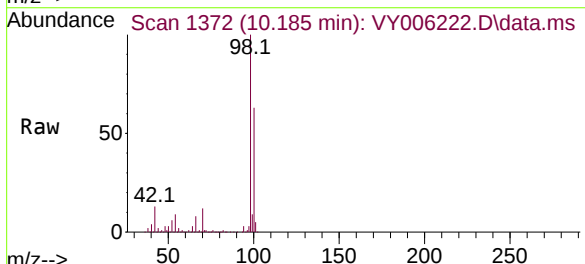
Instrument :  
MSVOA\_Y  
ClientSampled :



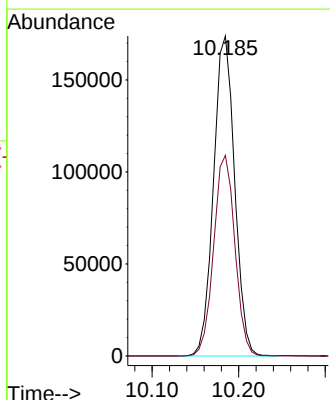
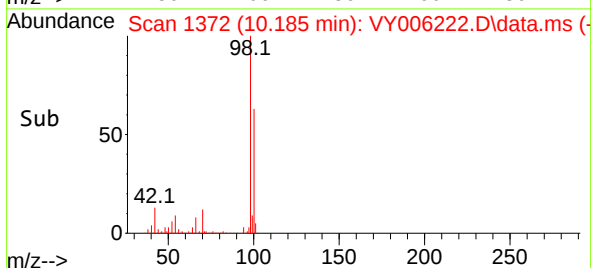
Tgt Ion: 117 Resp: 14040  
Ion Ratio Lower Upper  
117 100  
119 4.2 77.9 116.9#  
121 0.0 24.8 37.2#

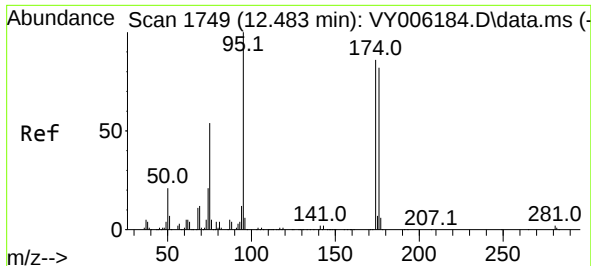


#50  
Toluene-d8  
Concen: 56.023 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48



Tgt Ion: 98 Resp: 294288  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.2 75.2

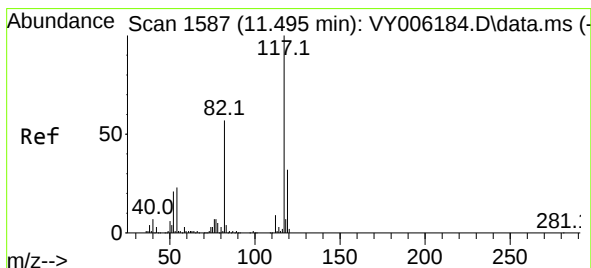
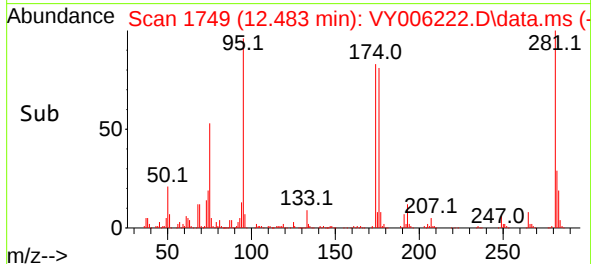
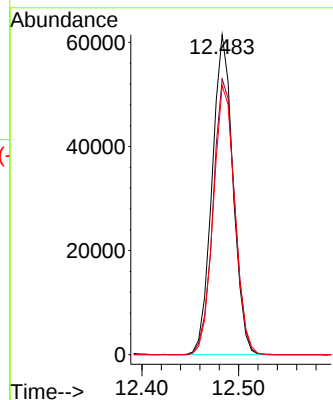
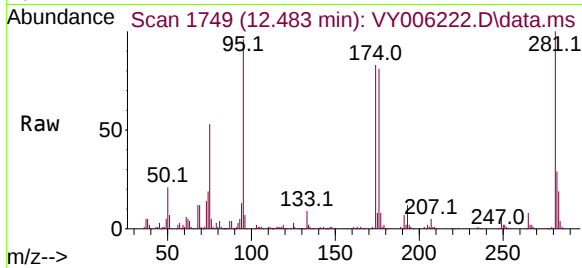




#62  
4-Bromofluorobenzene  
Concen: 51.756 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

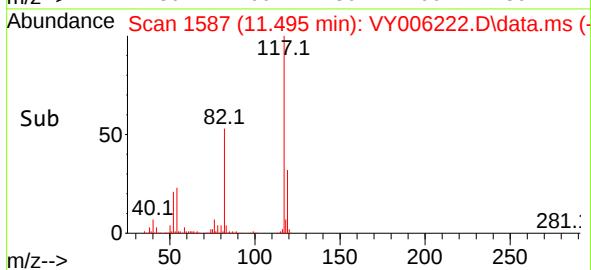
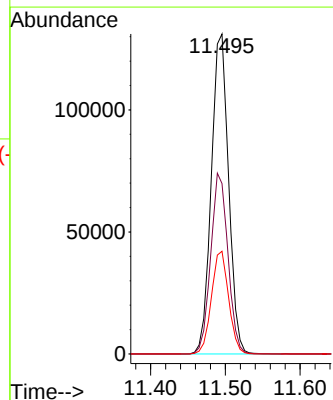
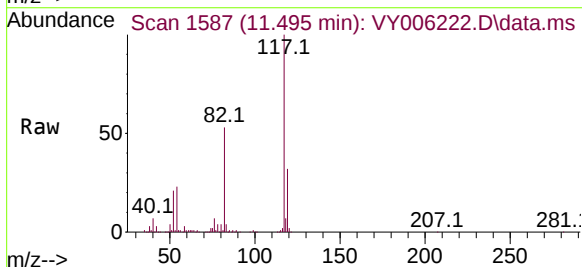
Instrument :  
MSVOA\_Y  
ClientSampleId :

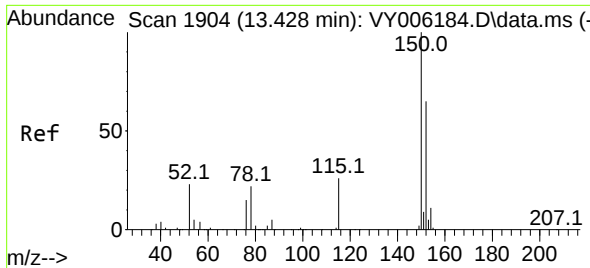
Tgt Ion: 95 Resp: 92359  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 177.0  
176 86.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

Tgt Ion: 117 Resp: 210769  
Ion Ratio Lower Upper  
117 100  
82 53.2 43.0 64.4  
119 32.1 25.4 38.0

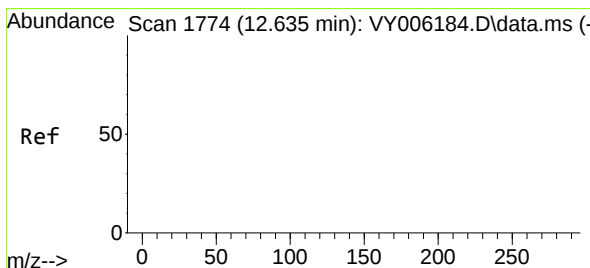
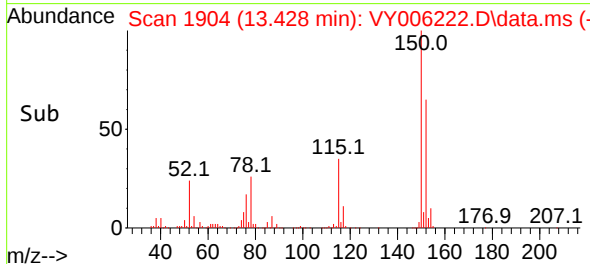
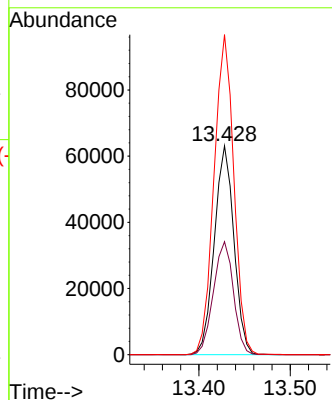
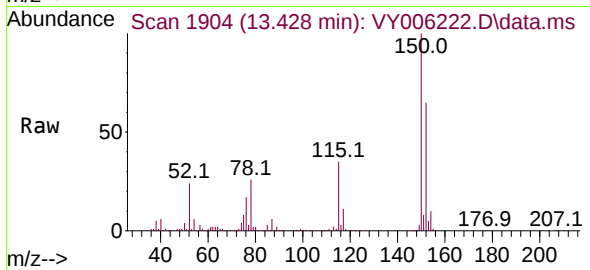




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

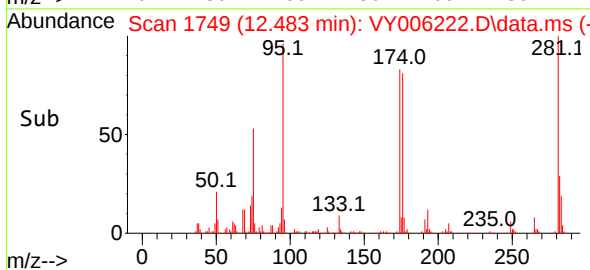
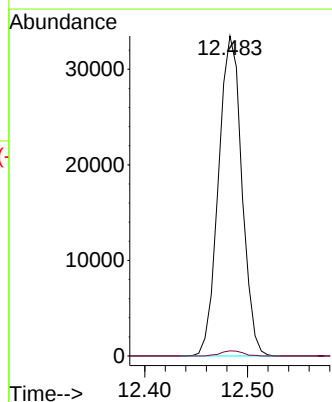
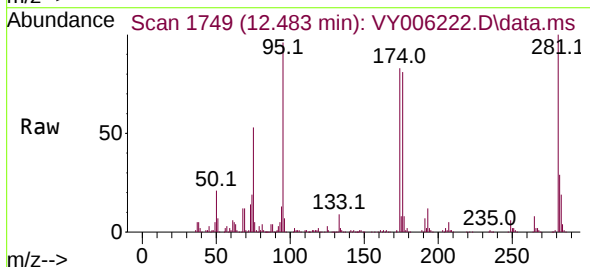
Instrument :  
MSVOA\_Y  
ClientSampleId :

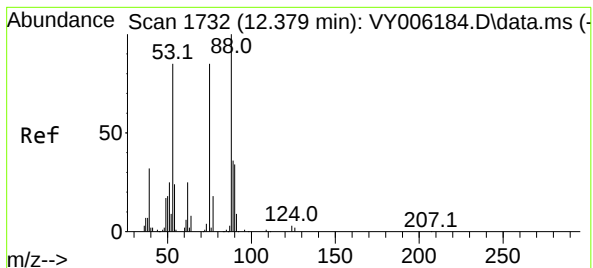
Tgt Ion:152 Resp: 94171  
Ion Ratio Lower Upper  
152 100  
115 55.3 28.2 84.7  
150 155.0 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 57.726 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY006222.D  
Acq: 29 Sep 2021 18:48

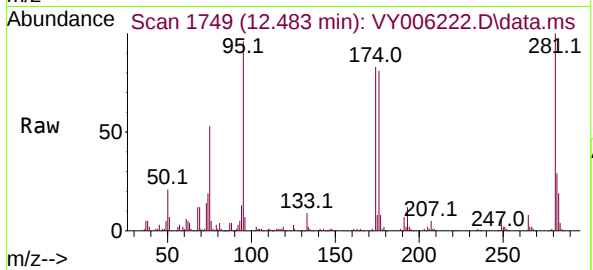
Tgt Ion: 75 Resp: 52836  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 113.439 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY006222.D  
 Acq: 29 Sep 2021 18:48

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 52836  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 85.3  | 127.9# |
| 89       | 1.2   | 37.0  | 55.4#  |

