

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101521\  
 Data File : VY006404.D  
 Acq On : 15 Oct 2021 14:19  
 Operator : SY/MD  
 Sample : M4243-09  
 Misc : 6.29G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 18 04:45:09 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

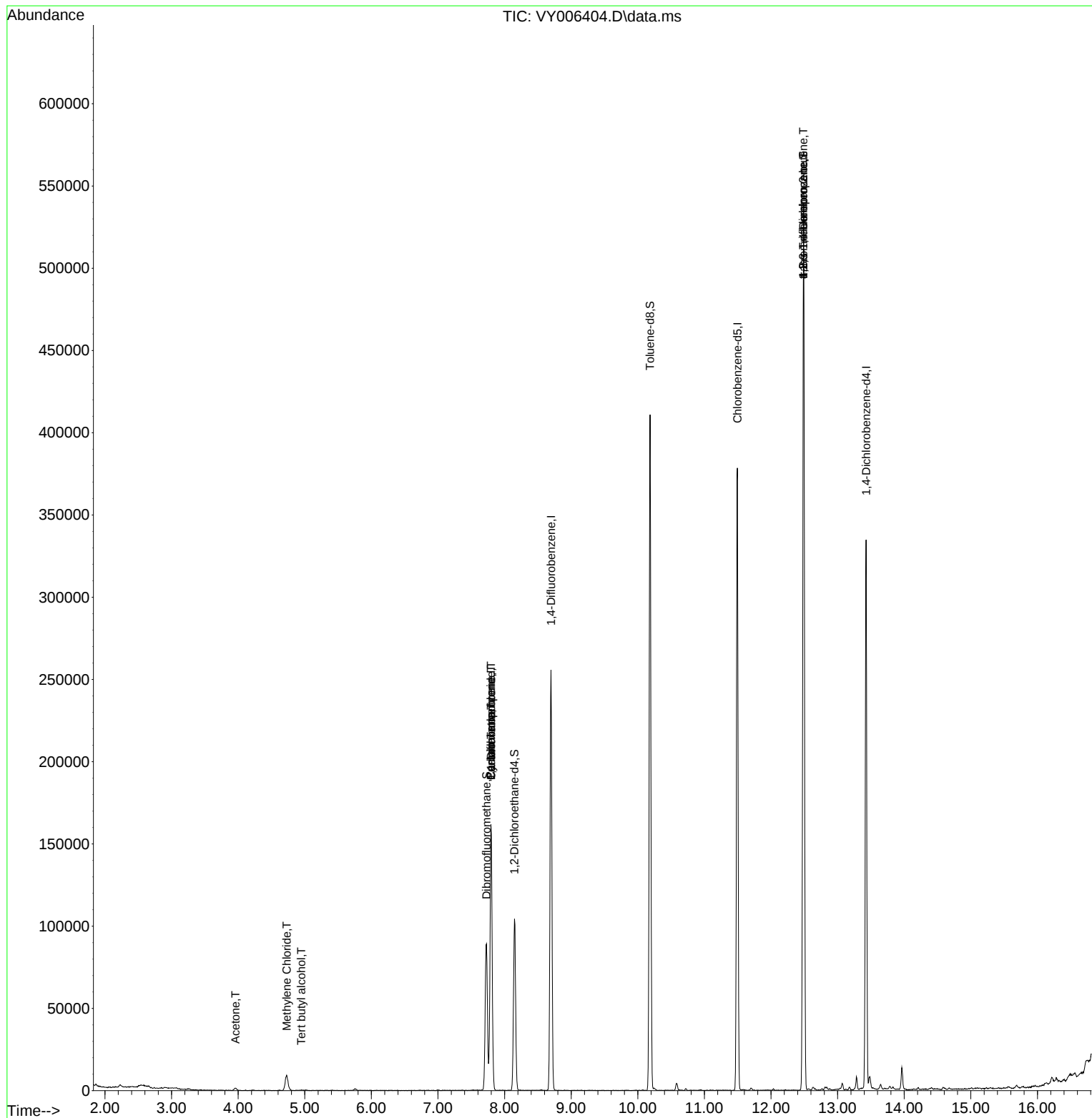
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 124560   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 206819   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 194326   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 81648    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.148  | 65    | 86605    | 64.962   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 129.920% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 59878    | 54.191   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 108.380% |          |
| 50) Toluene-d8                | 10.185 | 98    | 264597   | 57.217   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 114.440% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 81706    | 52.010   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 104.020% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948  | 59    | 282      | 2.418    | ug/l #     | 77       |
| 16) Acetone                   | 3.960  | 43    | 2670     | 7.171    | ug/l #     | 80       |
| 20) Methylene Chloride        | 4.728  | 84    | 6532     | 1.454    | ug/l #     | 83       |
| 31) Cyclohexane               | 7.795  | 56    | 2802     | 1.109    | ug/l #     | 13       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 9446     | 4.590    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 11745    | 5.405    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 48558    | 61.189   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 48558    | 120.245  | ug/l #     | 8        |
| -----                         |        |       |          |          |            |          |

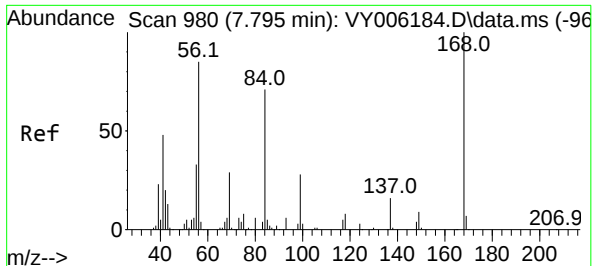
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101521\  
Data File : VY006404.D  
Acq On : 15 Oct 2021 14:19  
Operator : SY/MD  
Sample : M4243-09  
Misc : 6.29G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 18 04:45:09 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

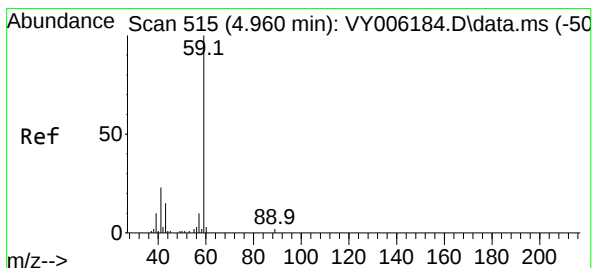
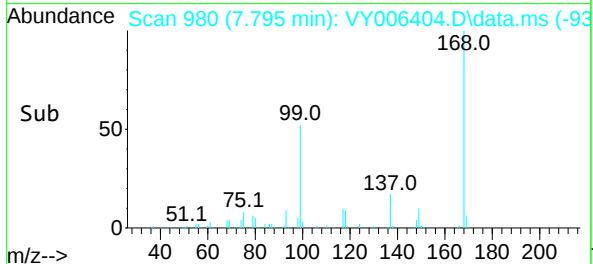
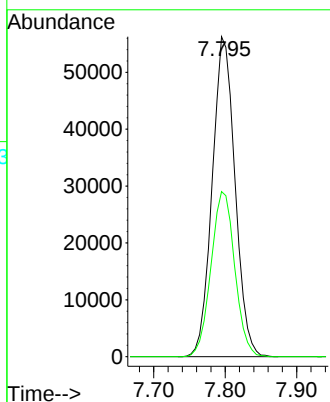
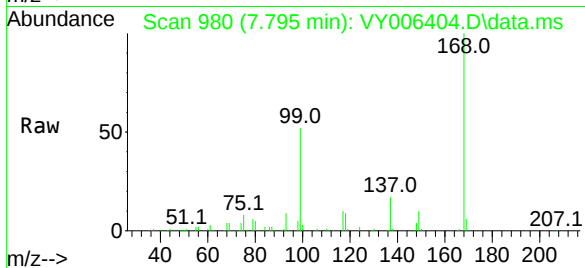




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

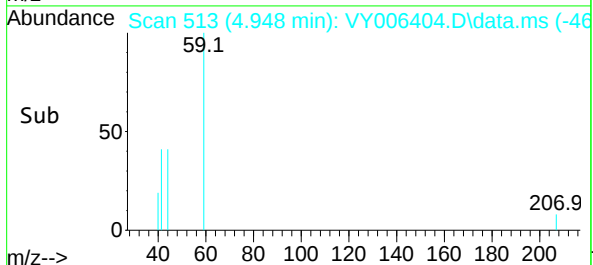
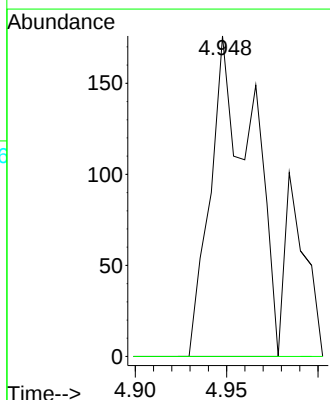
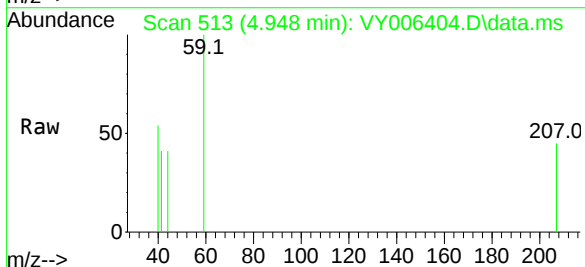
Instrument :  
MSVOA\_Y  
ClientSampled :

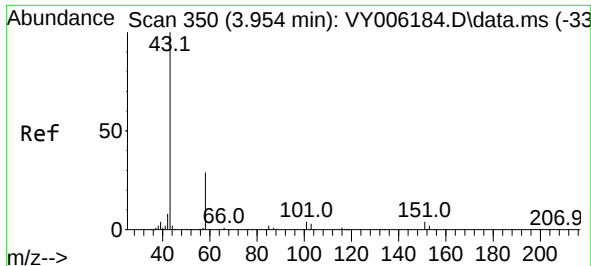
Tgt Ion:168 Resp: 124560  
Ion Ratio Lower Upper  
168 100  
99 51.6 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 2.418 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.012 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

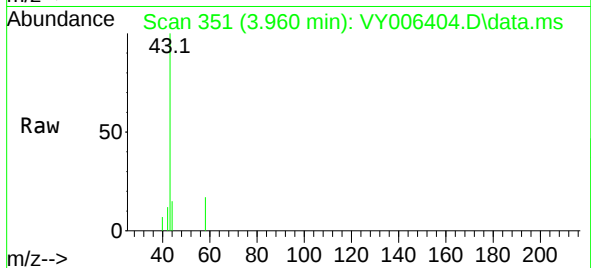
Tgt Ion: 59 Resp: 282  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



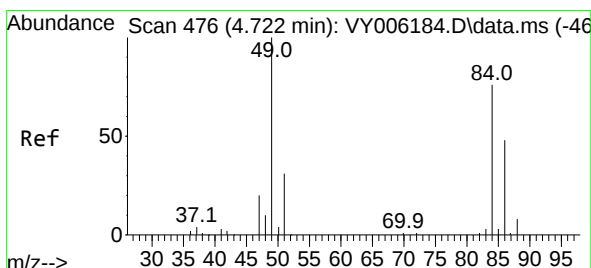
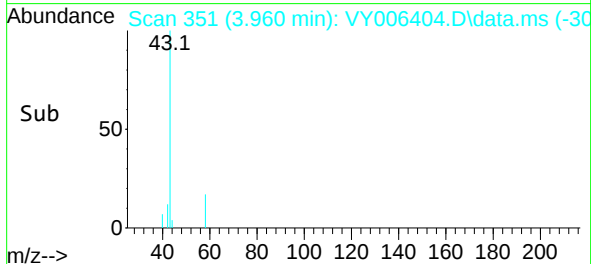
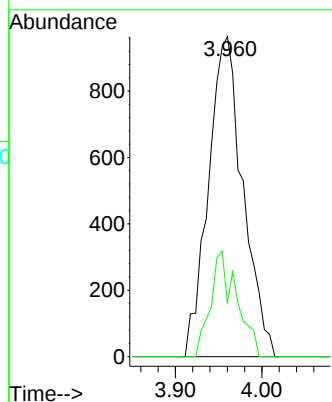


#16  
Acetone  
Concen: 7.171 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

Instrument :  
MSVOA\_Y  
ClientSampled :

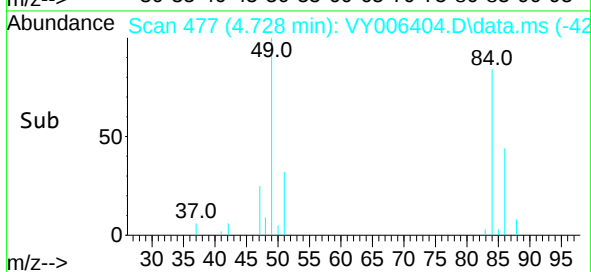
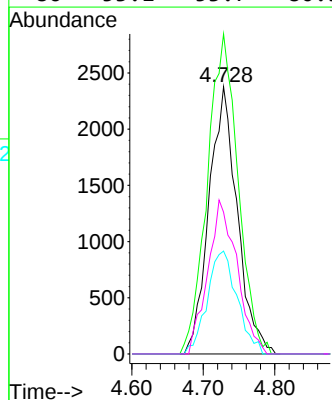
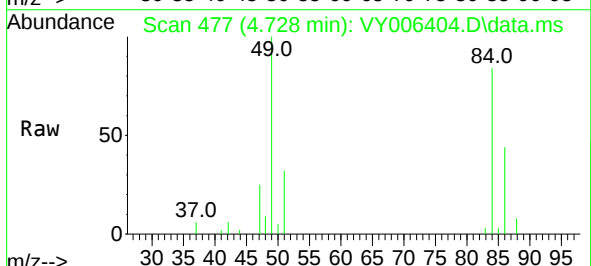


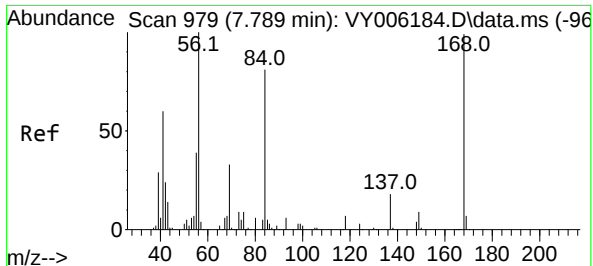
Tgt Ion: 43 Resp: 2670  
Ion Ratio Lower Upper  
43 100  
58 17.1 22.0 33.0#



#20  
Methylene Chloride  
Concen: 1.454 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. 0.006 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

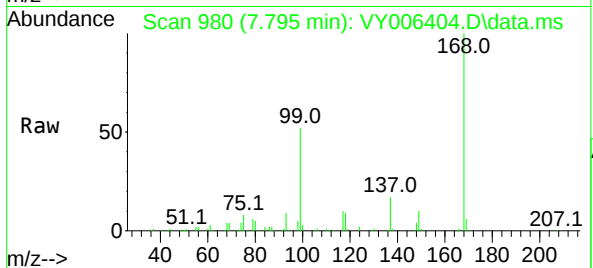
Tgt Ion: 84 Resp: 6532  
Ion Ratio Lower Upper  
84 100  
49 119.7 114.4 171.6  
51 38.5 35.3 52.9  
86 53.1 53.7 80.5#



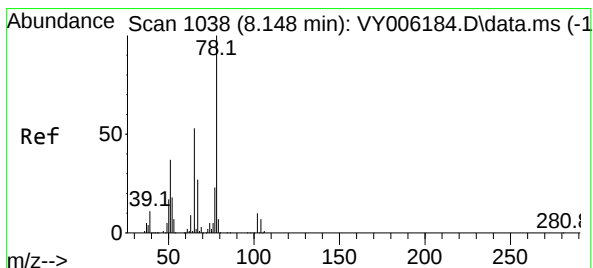
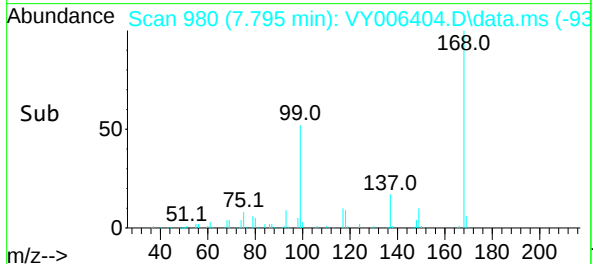
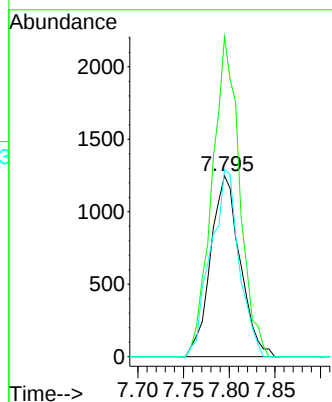


#31  
Cyclohexane  
Concen: 1.109 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

Instrument :  
MSVOA\_Y  
ClientSampled :

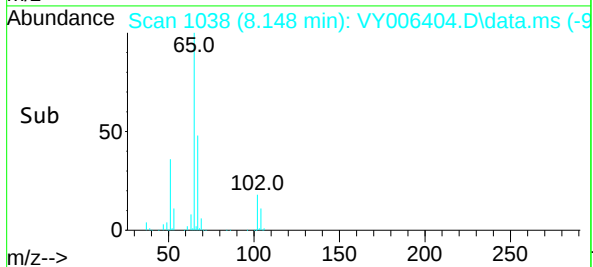
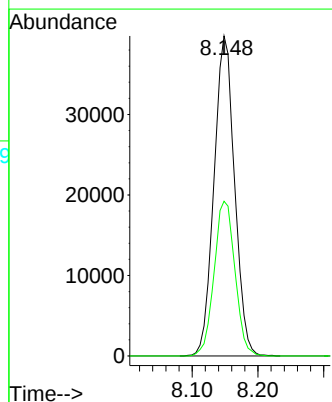
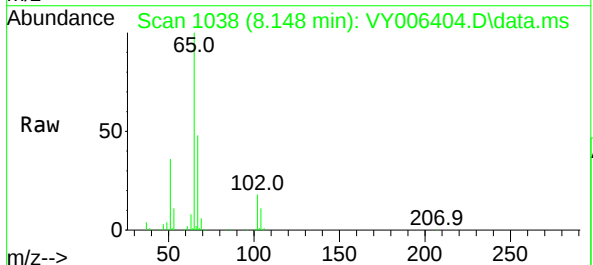


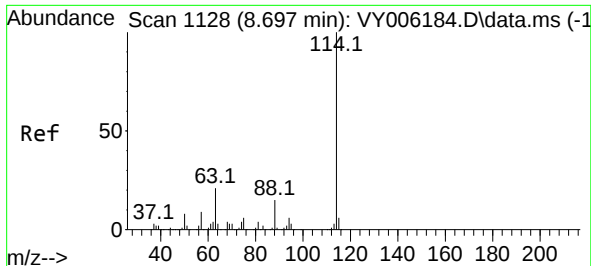
Tgt Ion: 56 Resp: 2802  
Ion Ratio Lower Upper  
56 100  
69 176.8 26.7 40.1#  
84 103.5 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 64.962 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

Tgt Ion: 65 Resp: 86605  
Ion Ratio Lower Upper  
65 100  
67 49.0 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: VY006404.D

Acq: 15 Oct 2021 14:19

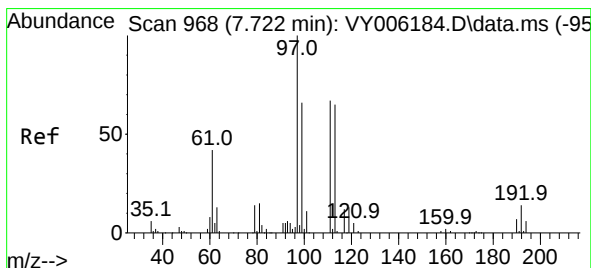
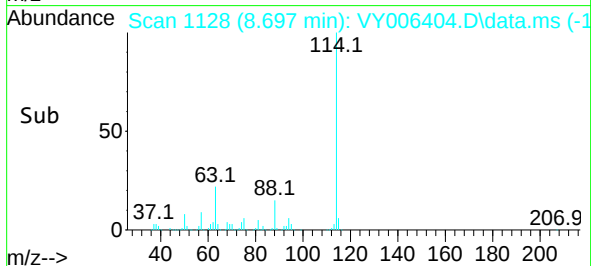
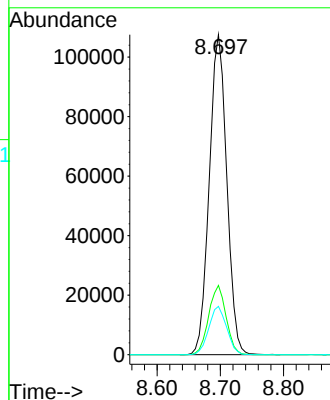
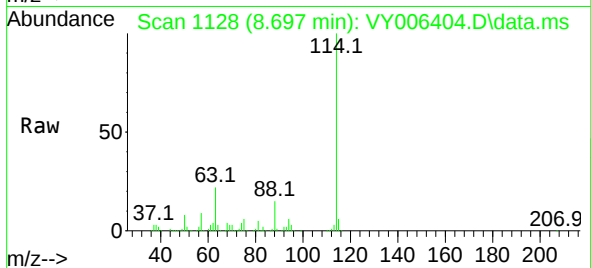
Tgt Ion:114 Resp: 206819

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.191 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006404.D

Acq: 15 Oct 2021 14:19

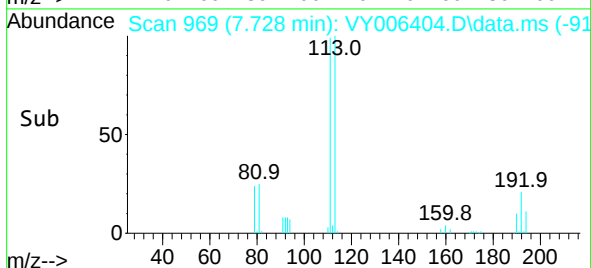
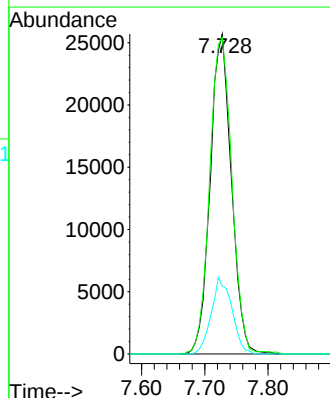
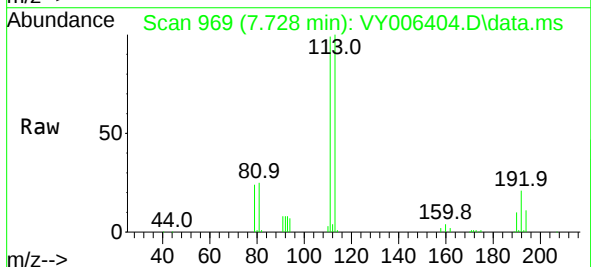
Tgt Ion:113 Resp: 59878

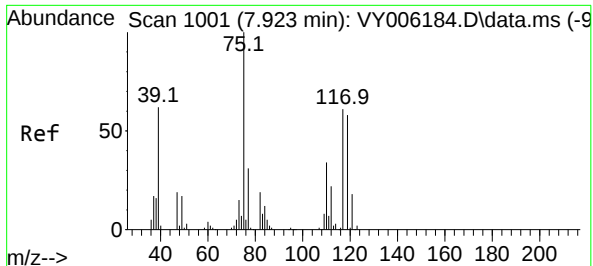
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 23.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.590 ug/l

RT: 7.795 min Scan# 980

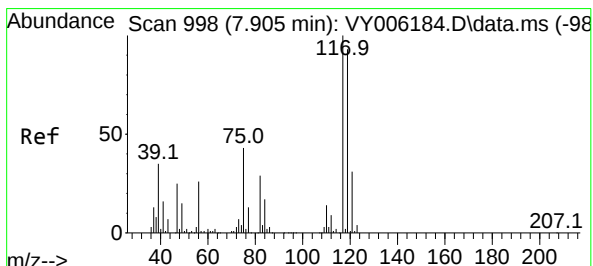
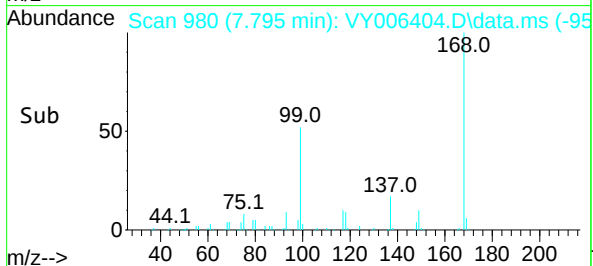
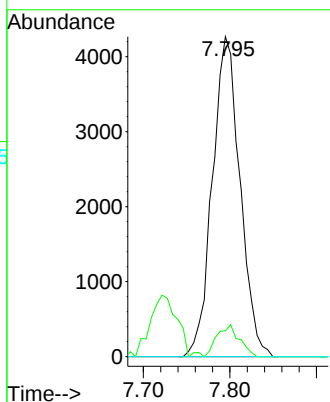
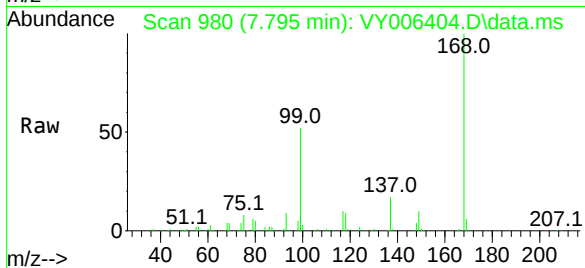
Delta R.T. -0.128 min

Lab File: VY006404.D

Acq: 15 Oct 2021 14:19

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 9446       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 110         | 8.1   | 17.1 51.2# |
| 77          | 0.0   | 24.4 36.6# |

Instrument :  
MSVOA\_Y  
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.405 ug/l

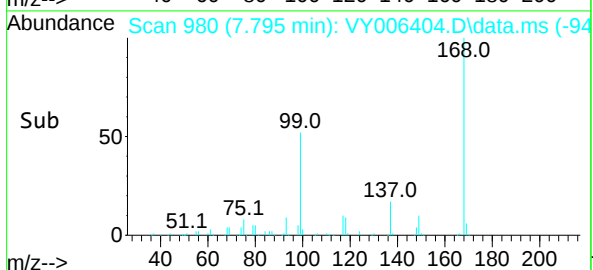
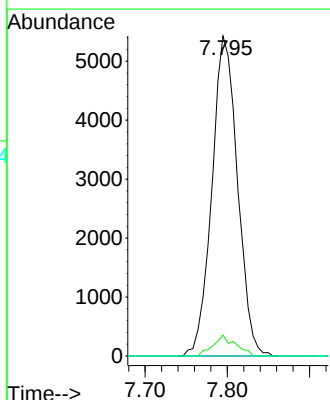
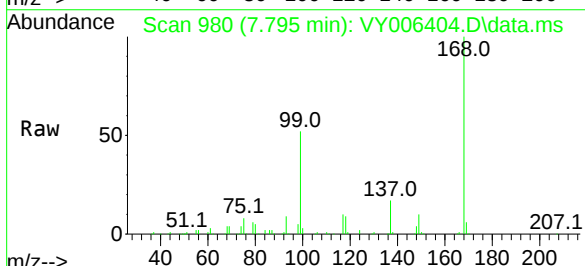
RT: 7.795 min Scan# 980

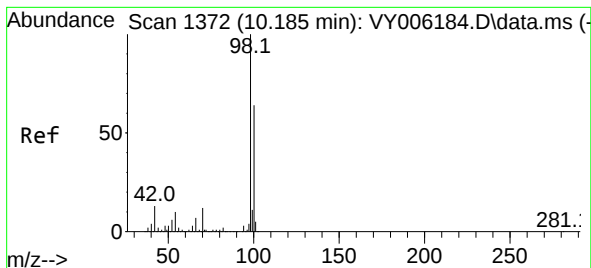
Delta R.T. -0.110 min

Lab File: VY006404.D

Acq: 15 Oct 2021 14:19

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 117 | Resp: | 11745       |
| Ion Ratio    | Lower | Upper       |
| 117          | 100   |             |
| 119          | 6.5   | 77.9 116.9# |
| 121          | 0.0   | 24.8 37.2#  |

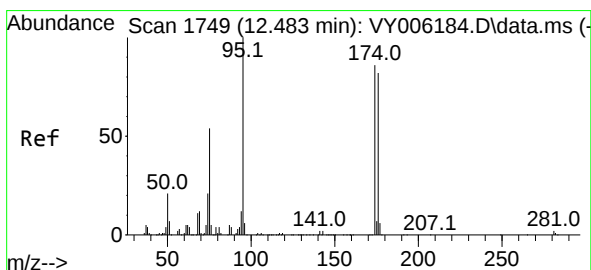
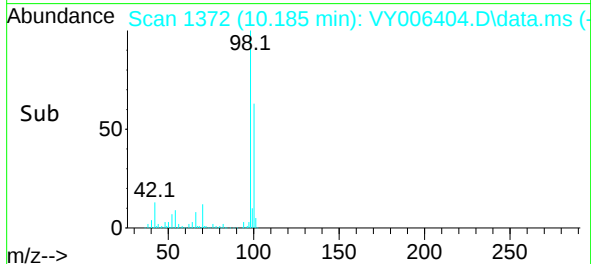
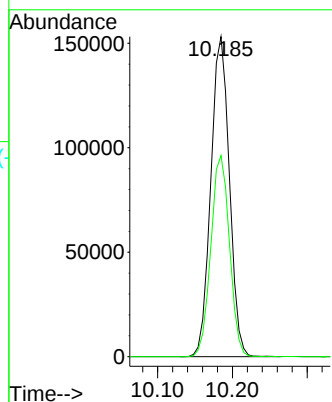
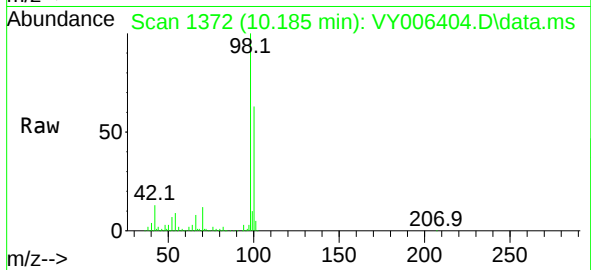




#50  
Toluene-d8  
Concen: 57.217 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

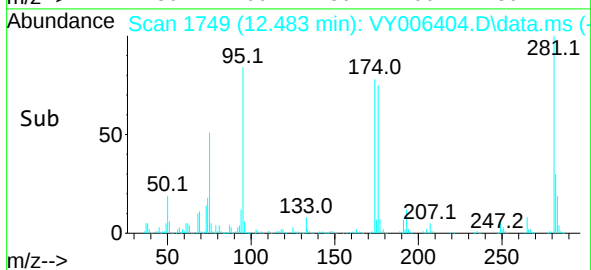
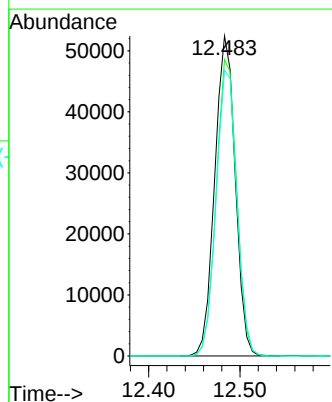
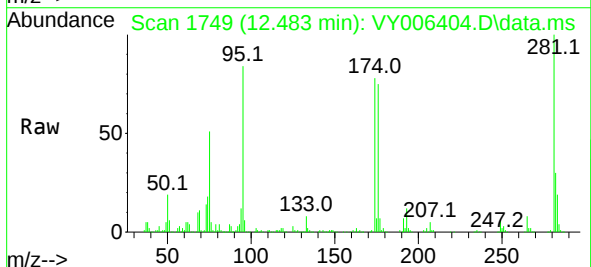
Instrument :  
MSVOA\_Y  
ClientSampleId :

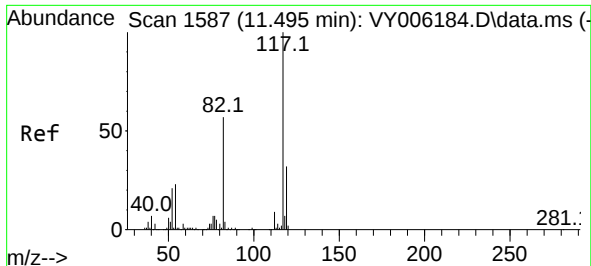
Tgt Ion: 98 Resp: 264597  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 52.010 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

Tgt Ion: 95 Resp: 81706  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 177.0  
176 90.4 0.0 175.8

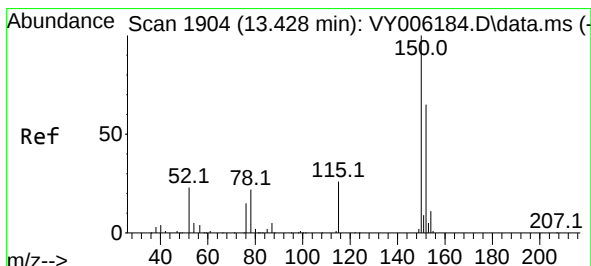
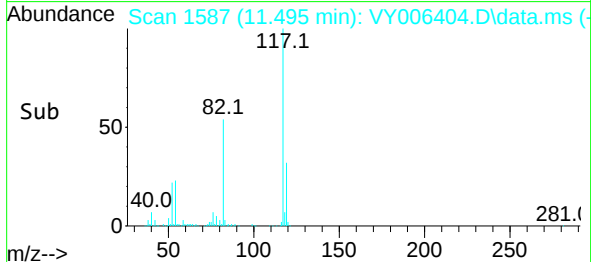
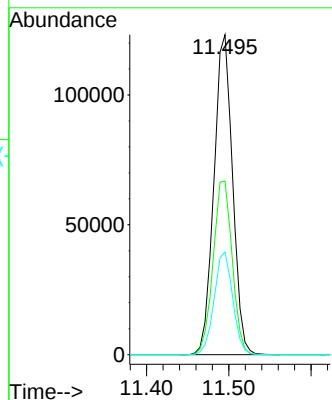
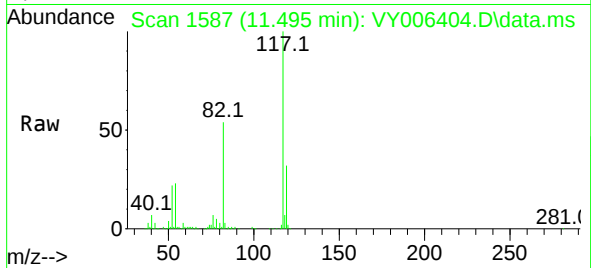




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

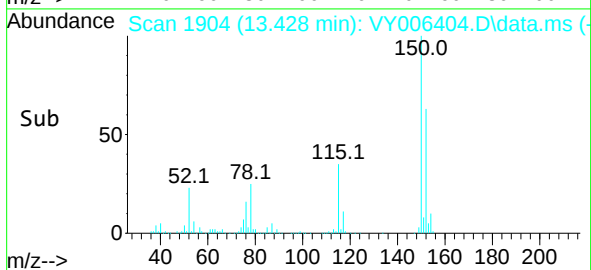
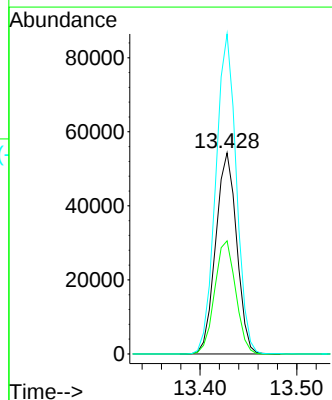
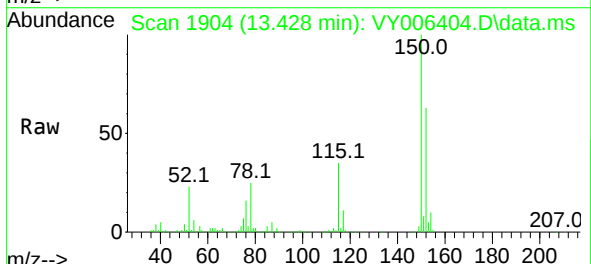
Instrument :  
MSVOA\_Y  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 194326 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 54.3  | 43.0  | 64.4   |
| 119       | 32.1  | 25.4  | 38.0   |

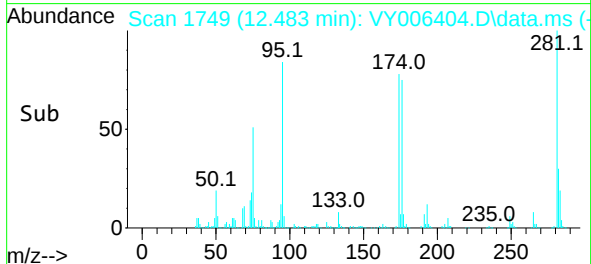
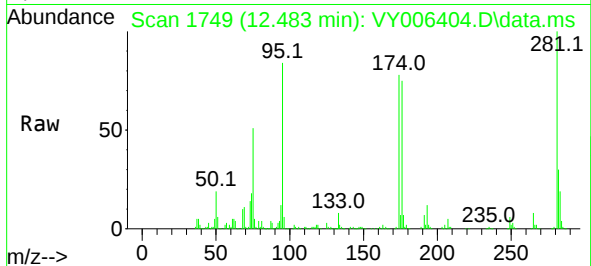
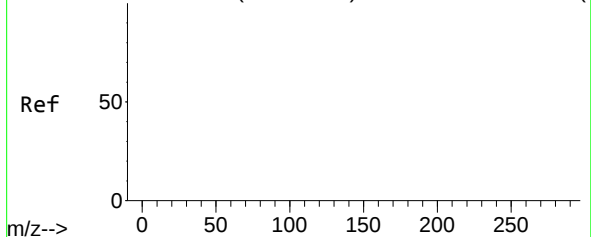


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 81648 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 56.5  | 28.2  | 84.7  |
| 150       | 156.1 | 0.0   | 347.6 |

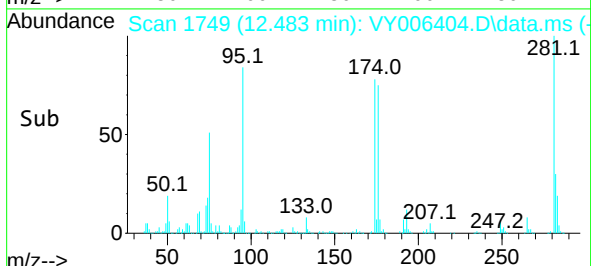
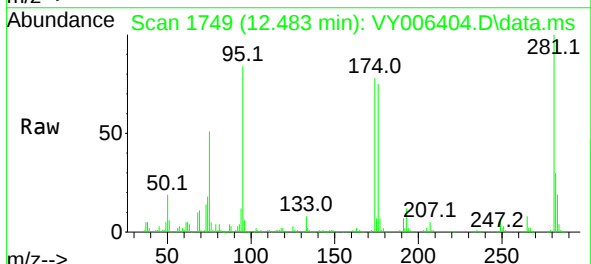
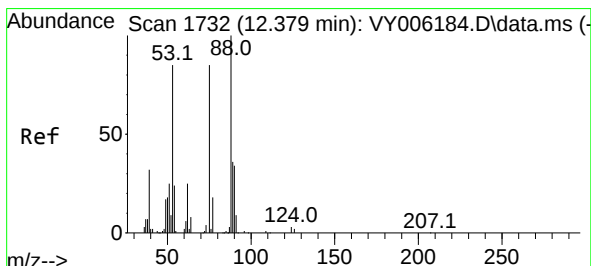
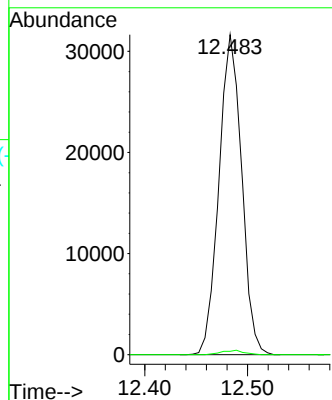


Abundance Scan 1774 (12.635 min): VY006184.D\data.ms (-



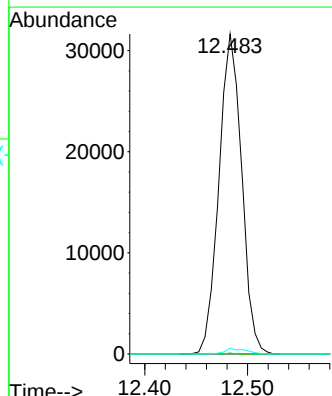
#76  
1,2,3-Trichloropropane  
Concen: 61.189 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

Tgt Ion: 75 Resp: 48558  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 120.245 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY006404.D  
Acq: 15 Oct 2021 14:19

Tgt Ion: 75 Resp: 48558  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 1.6 37.0 55.4#



Instrument :  
MSVOA\_Y  
ClientSampleId :