

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051821\  
 Data File : VY004839.D  
 Acq On : 18 May 2021 20:06  
 Operator : SY/MD  
 Sample : M2420-01  
 Misc : 5.05G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 19 01:07:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 04:13:44 2021  
 Response via : Initial Calibration

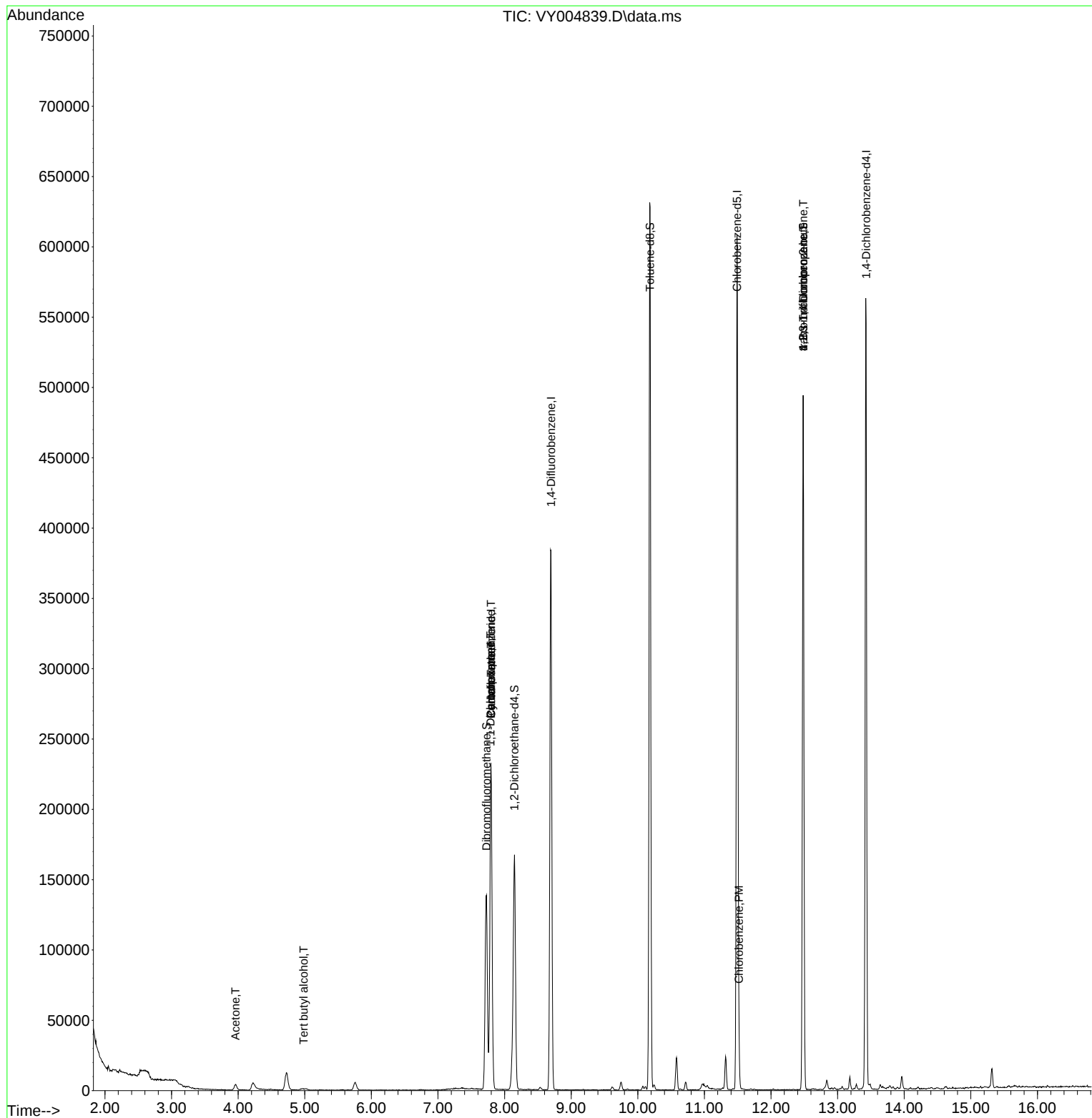
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 172627   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 312663   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 305153   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 133339   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 122052   | 59.40    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 118.80%  |
| 35) Dibromofluoromethane      | 7.728  | 113   | 98205    | 57.37    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 114.74%  |
| 50) Toluene-d8                | 10.185 | 98    | 396430   | 51.27    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 102.54%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 134830   | 51.66    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 103.32%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.985  | 59    | 1968     | 9.53     | ug/l # | 87       |
| 16) Acetone                   | 3.960  | 43    | 7319     | 15.86    | ug/l   | 91       |
| 20) Methylene Chloride        | 4.722  | 84    | 8473     | Below    | Cal    | 93       |
| 31) Cyclohexane               | 7.795  | 56    | 4390     | 1.32     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 15997    | 4.99     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 17943    | 6.23     | ug/l # | 16       |
| 65) Chlorobenzene             | 11.520 | 112   | 13118    | 2.09     | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 74650    | 52.71    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 74650    | 91.39    | ug/l # | 13       |
| -----                         |        |       |          |          |        |          |

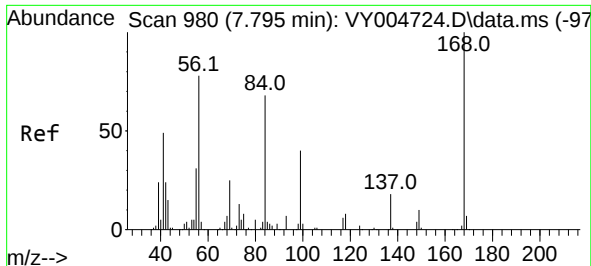
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: May 19 01:07:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 11 04:13:44 2021  
Response via : Initial Calibration

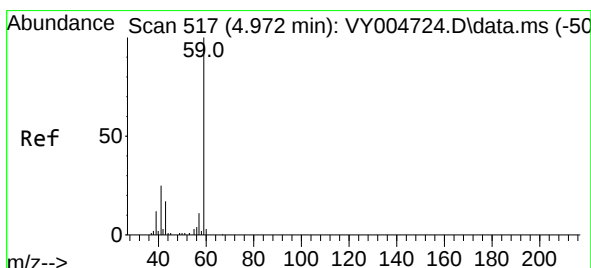
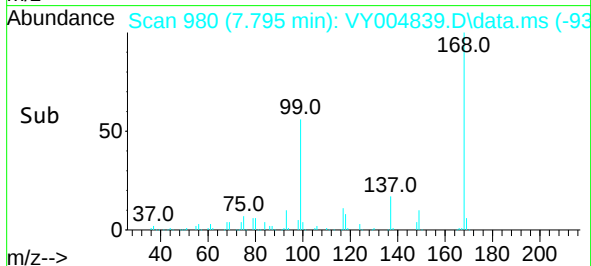
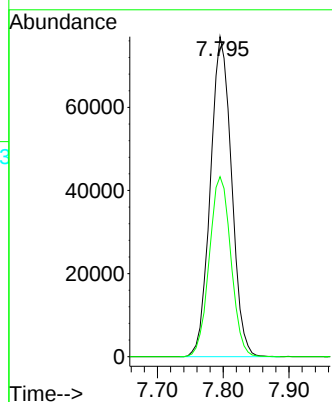
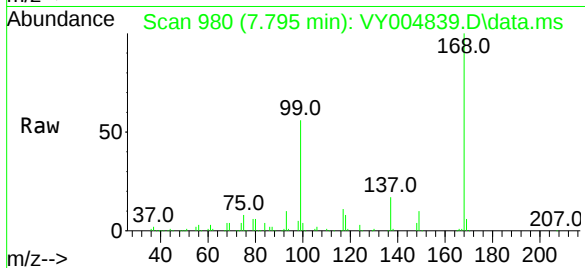




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

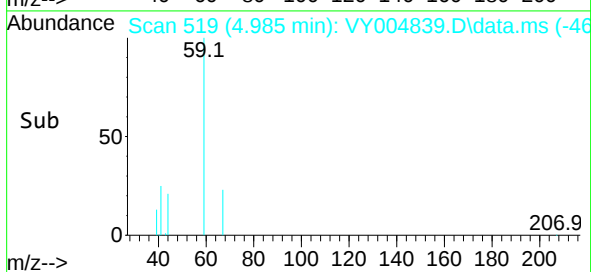
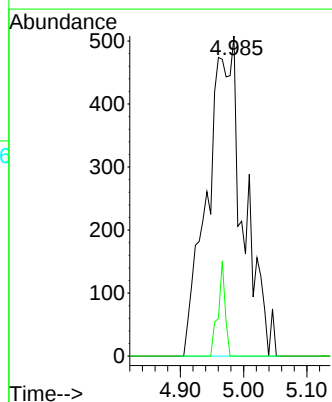
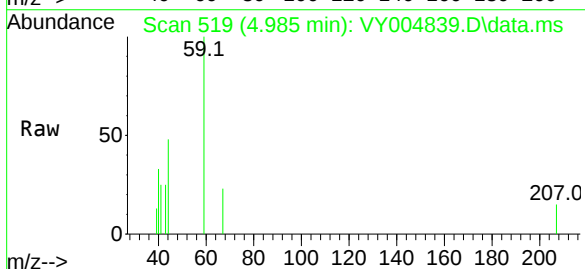
Instrument :  
MSVOA\_Y  
ClientSampleId :

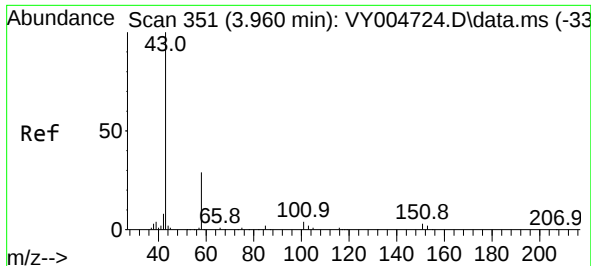
Tgt Ion:168 Resp: 172627  
Ion Ratio Lower Upper  
168 100  
99 56.3 45.6 68.4



#11  
Tert butyl alcohol  
Concen: 9.53 ug/l  
RT: 4.985 min Scan# 519  
Delta R.T. 0.012 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

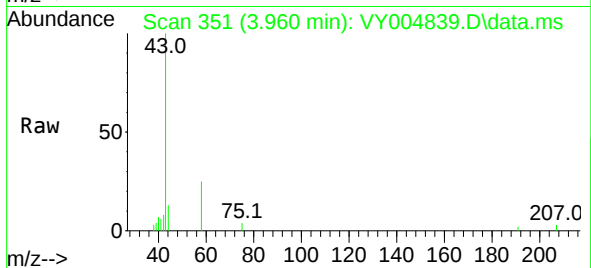
Tgt Ion: 59 Resp: 1968  
Ion Ratio Lower Upper  
59 100  
57 5.9 8.7 13.1#



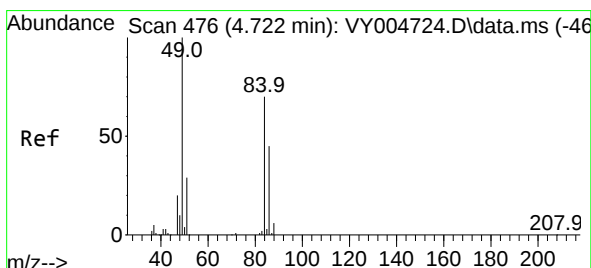
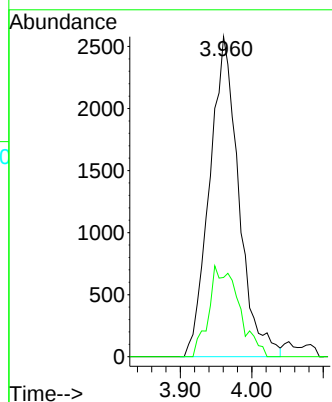
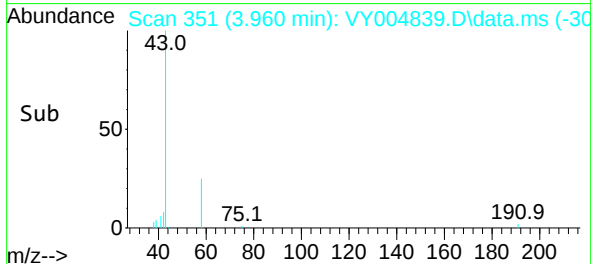


#16  
Acetone  
Concen: 15.86 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

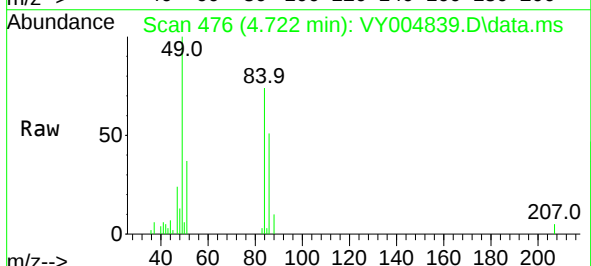
Instrument :  
MSVOA\_Y  
ClientSampled :



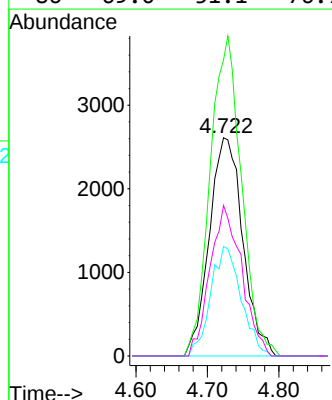
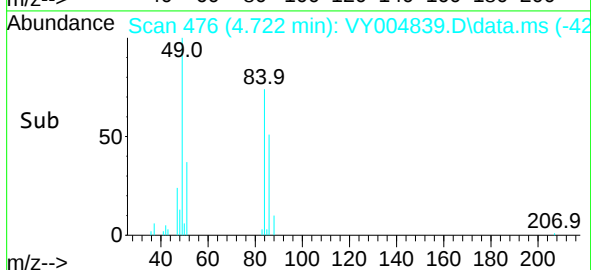
Tgt Ion: 43 Resp: 7319  
Ion Ratio Lower Upper  
43 100  
58 24.8 23.6 35.4

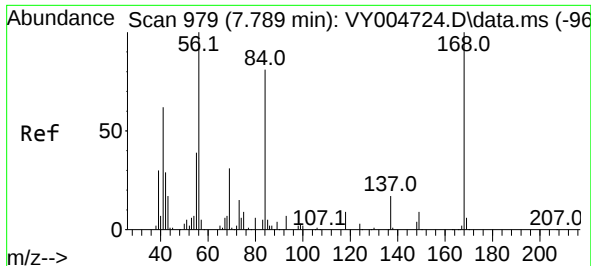


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06



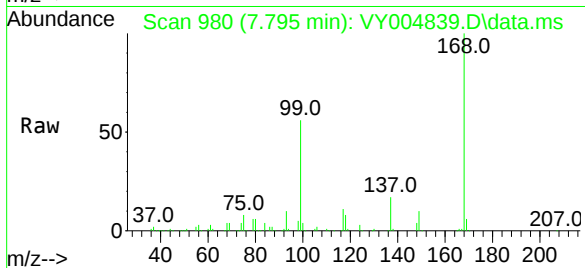
Tgt Ion: 84 Resp: 8473  
Ion Ratio Lower Upper  
84 100  
49 135.8 113.8 170.8  
51 50.2 33.5 50.3  
86 69.0 51.1 76.7



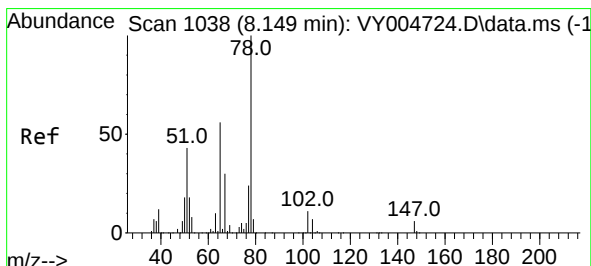
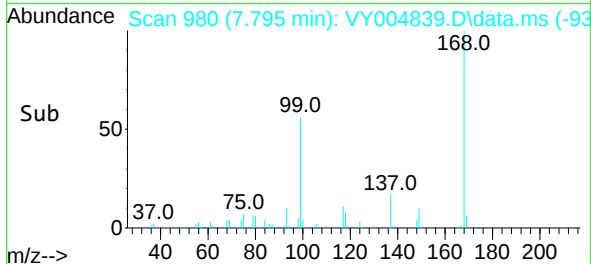
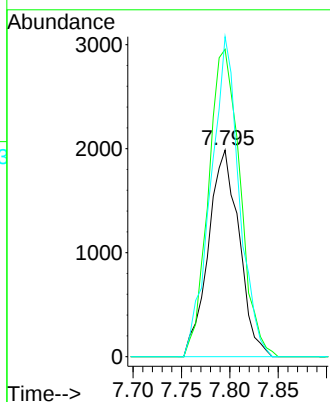


#31  
Cyclohexane  
Concen: 1.32 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

Instrument :  
MSVOA\_Y  
ClientSampled :

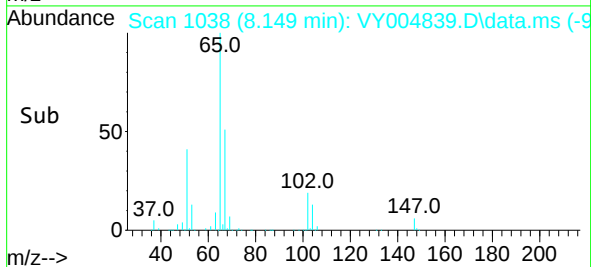
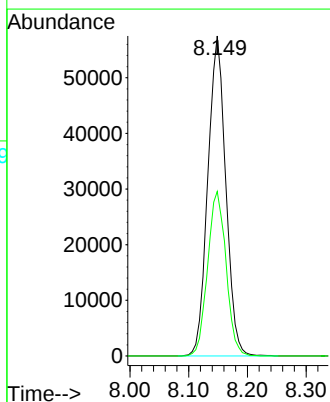
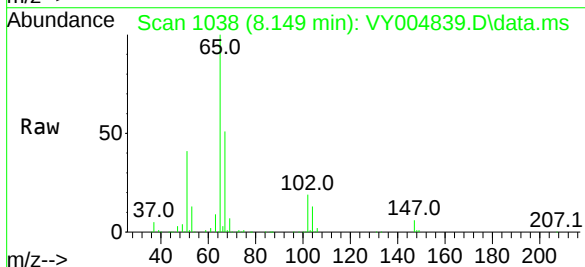


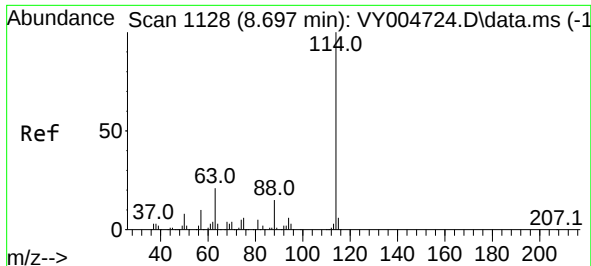
Tgt Ion: 56 Resp: 4390  
Ion Ratio Lower Upper  
56 100  
69 148.8 24.4 36.6#  
84 154.9 64.8 97.2#



#33  
1,2-Dichloroethane-d4  
Concen: 59.40 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

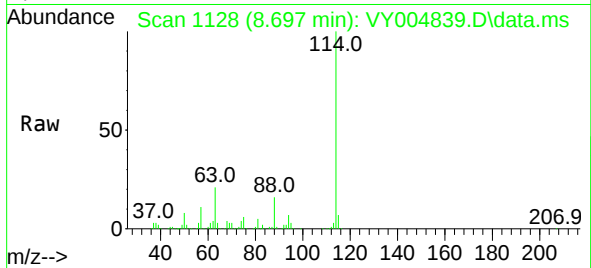
Tgt Ion: 65 Resp: 122052  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 108.0



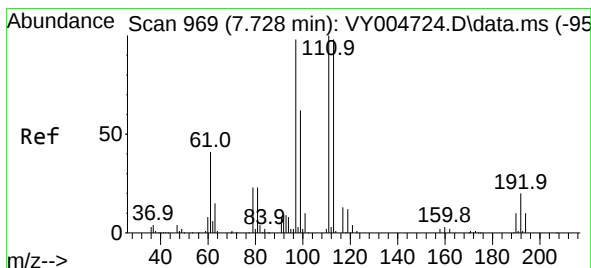
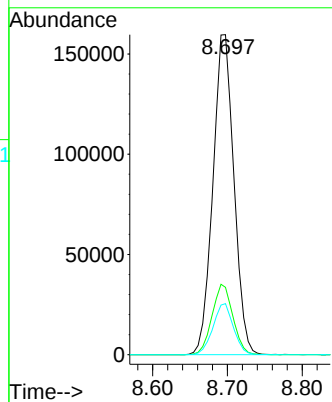
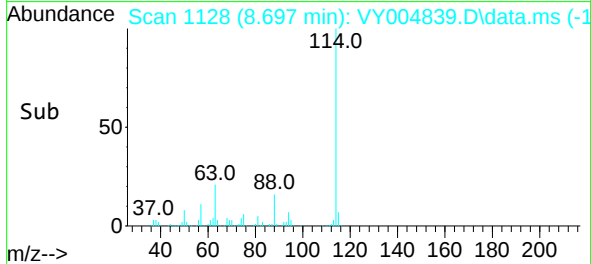


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

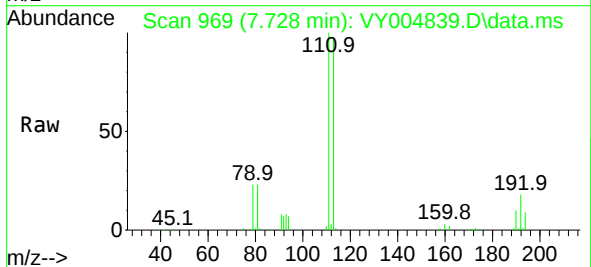
Instrument :  
MSVOA\_Y  
ClientSampled :



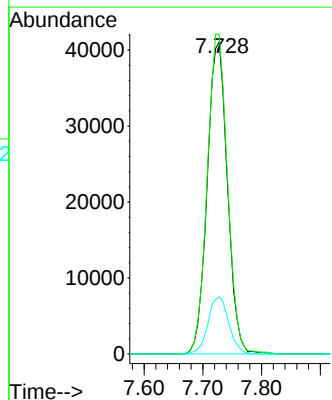
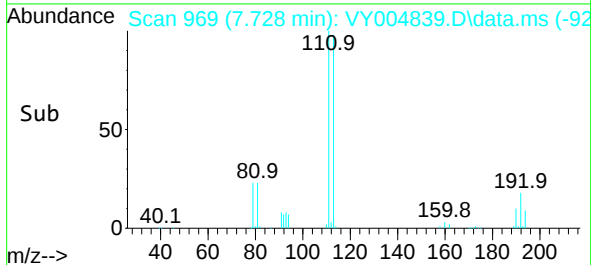
Tgt Ion:114 Resp: 312663  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 42.8  
88 16.0 0.0 31.0

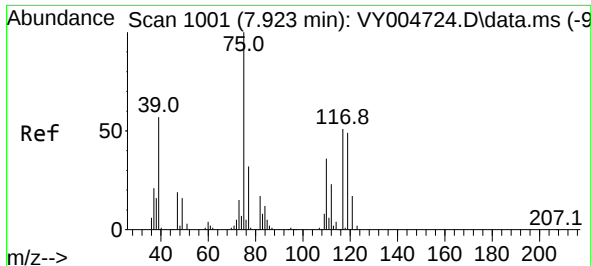


#35  
Dibromofluoromethane  
Concen: 57.37 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06



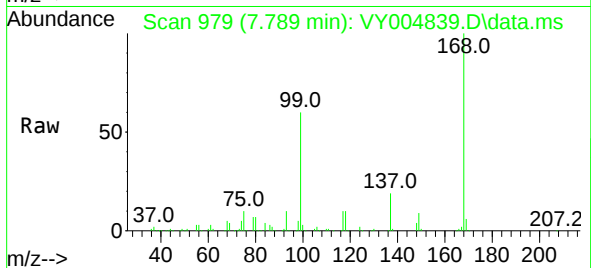
Tgt Ion:113 Resp: 98205  
Ion Ratio Lower Upper  
113 100  
111 103.1 80.5 120.7  
192 18.7 15.0 22.6



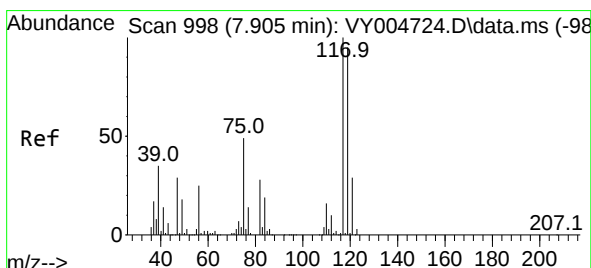
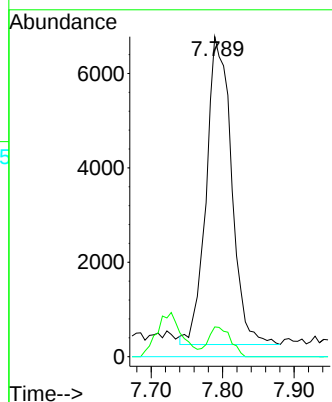
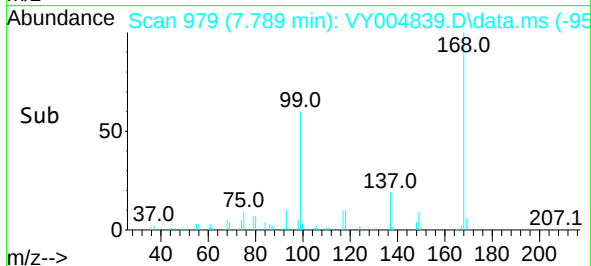


#36  
1,1-Dichloropropene  
Concen: 4.99 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

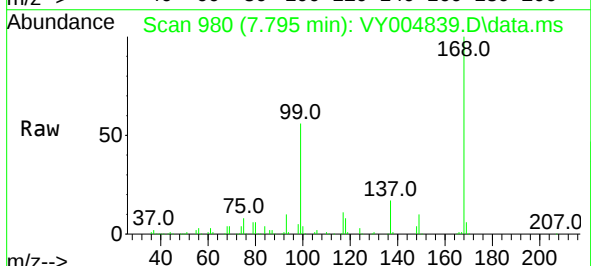
Instrument :  
MSVOA\_Y  
ClientSampleId :



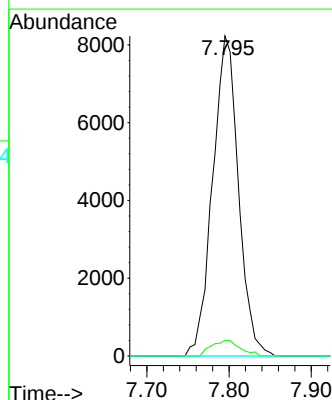
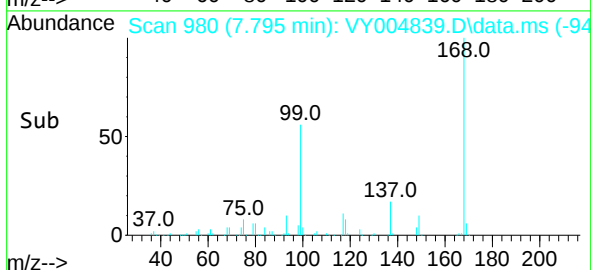
Tgt Ion: 75 Resp: 15997  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.0 50.9#  
77 0.0 25.0 37.4#

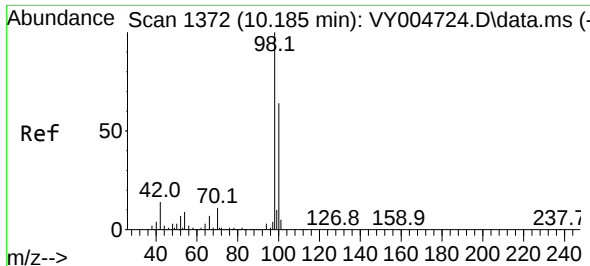


#38  
Carbon Tetrachloride  
Concen: 6.23 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.110 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06



Tgt Ion: 117 Resp: 17943  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.3 114.5#  
121 0.0 23.0 34.6#

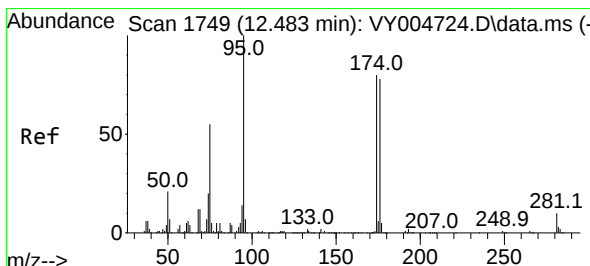
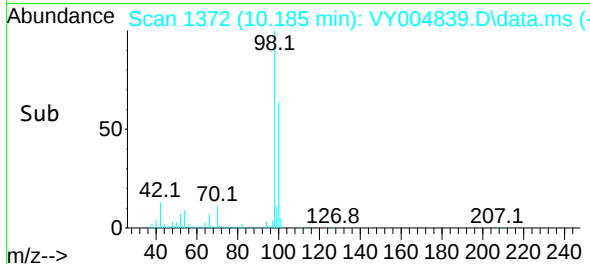
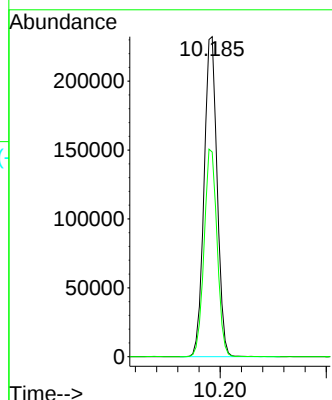
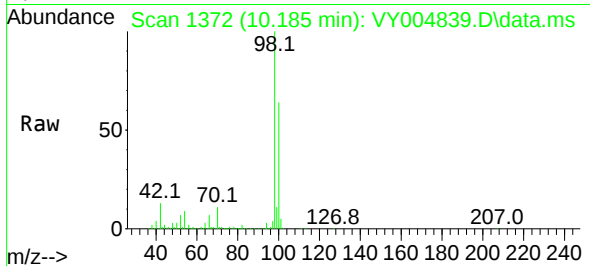




#50  
Toluene-d8  
Concen: 51.27 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

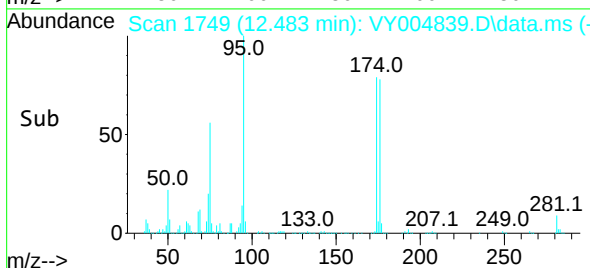
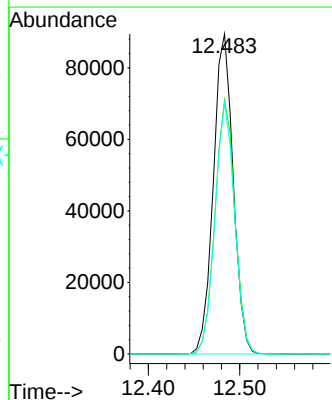
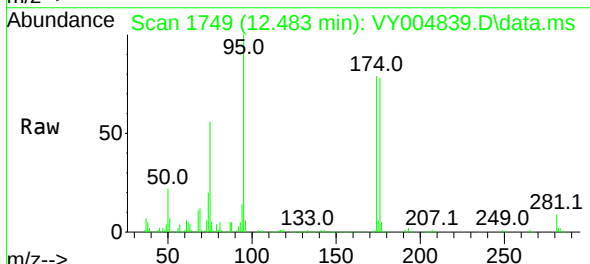
Instrument :  
MSVOA\_Y  
ClientSampleId :

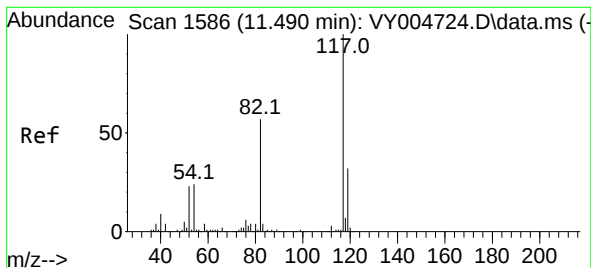
Tgt Ion: 98 Resp: 396430  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 51.66 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

Tgt Ion: 95 Resp: 134830  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 164.2  
176 77.8 0.0 159.0

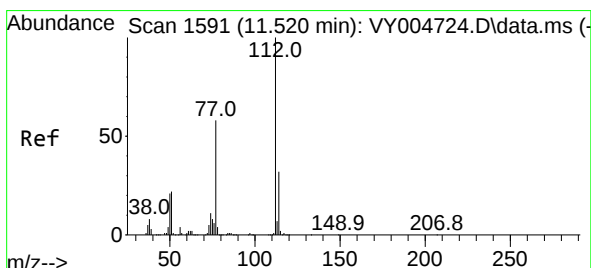
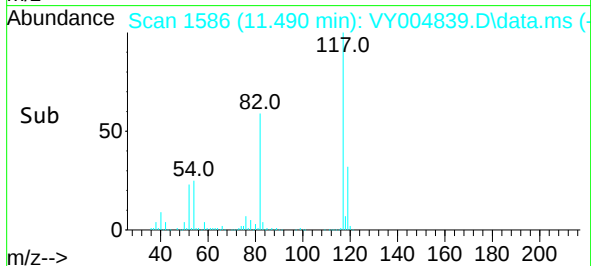
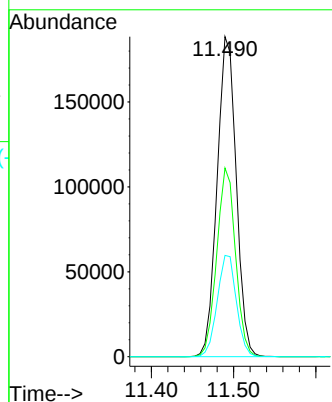
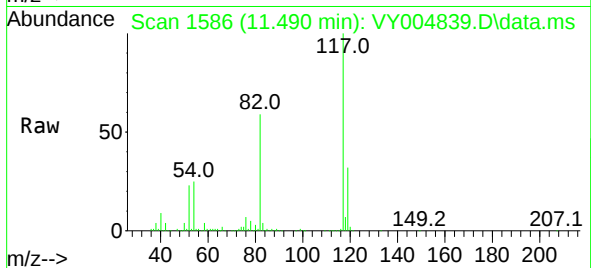




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

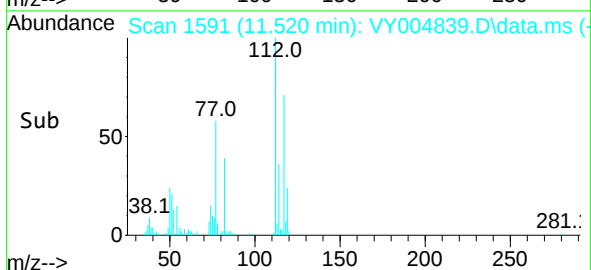
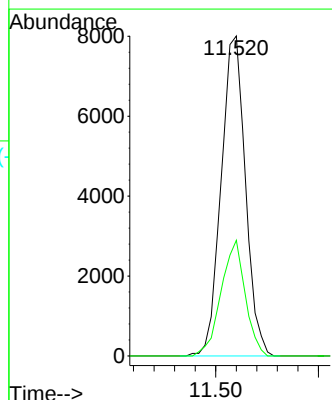
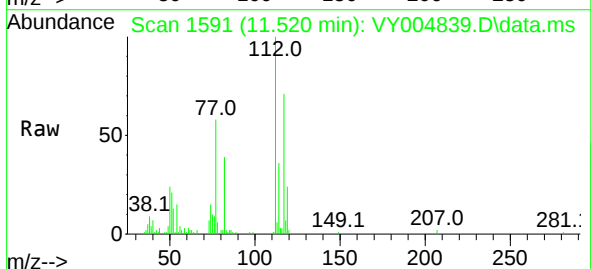
Instrument :  
MSVOA\_Y  
ClientSampled :

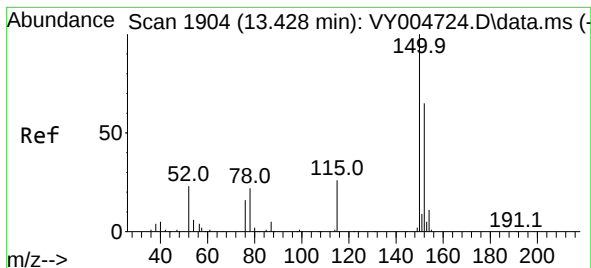
Tgt Ion:117 Resp: 305153  
Ion Ratio Lower Upper  
117 100  
82 59.0 45.4 68.2  
119 31.7 25.8 38.6



#65  
Chlorobenzene  
Concen: 2.09 ug/l  
RT: 11.520 min Scan# 1591  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

Tgt Ion:112 Resp: 13118  
Ion Ratio Lower Upper  
112 100  
114 36.2 25.4 38.2

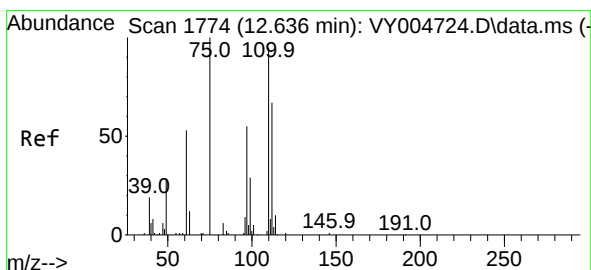
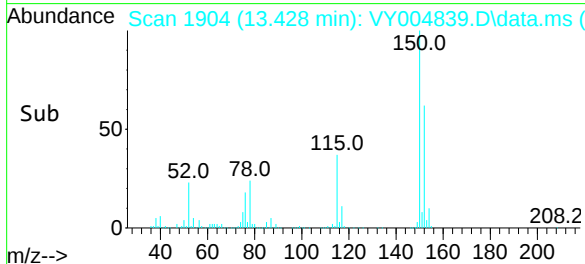
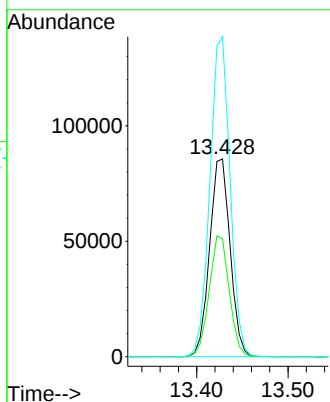
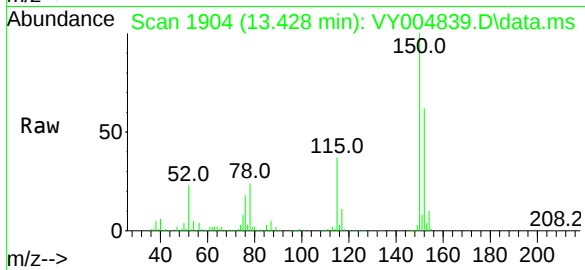




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

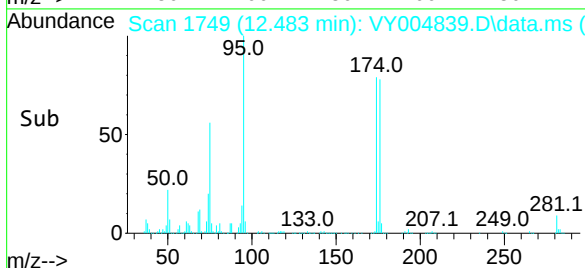
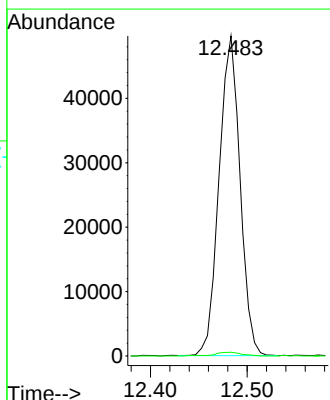
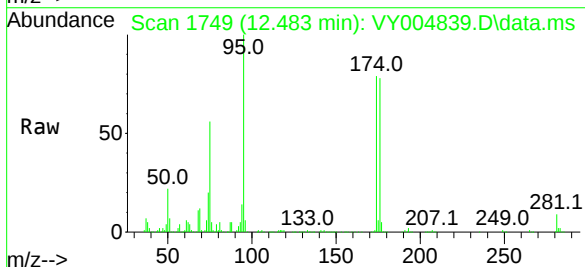
Instrument :  
MSVOA\_Y  
ClientSampled :

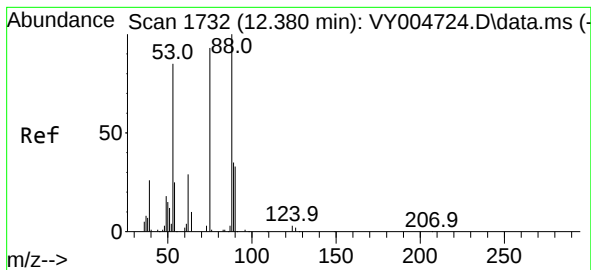
Tgt Ion:152 Resp: 133339  
Ion Ratio Lower Upper  
152 100  
115 59.8 29.4 88.3  
150 159.3 0.0 349.8



#76  
1,2,3-Trichloropropane  
Concen: 52.71 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004839.D  
Acq: 18 May 2021 20:06

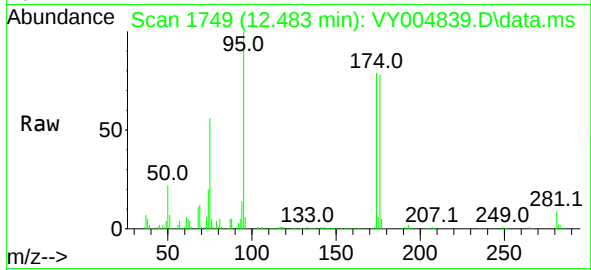
Tgt Ion: 75 Resp: 74650  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 91.39 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY004839.D  
 Acq: 18 May 2021 20:06

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 74650  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 73.9 110.9#  
 89 0.2 35.5 53.3#

