

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY043021\  
 Data File : VY004681.D  
 Acq On : 30 Apr 2021 12:45  
 Operator : SY/MD  
 Sample : M2242-01  
 Misc : 5.84G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 STOCK-PILE

Quant Time: May 01 00:39:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

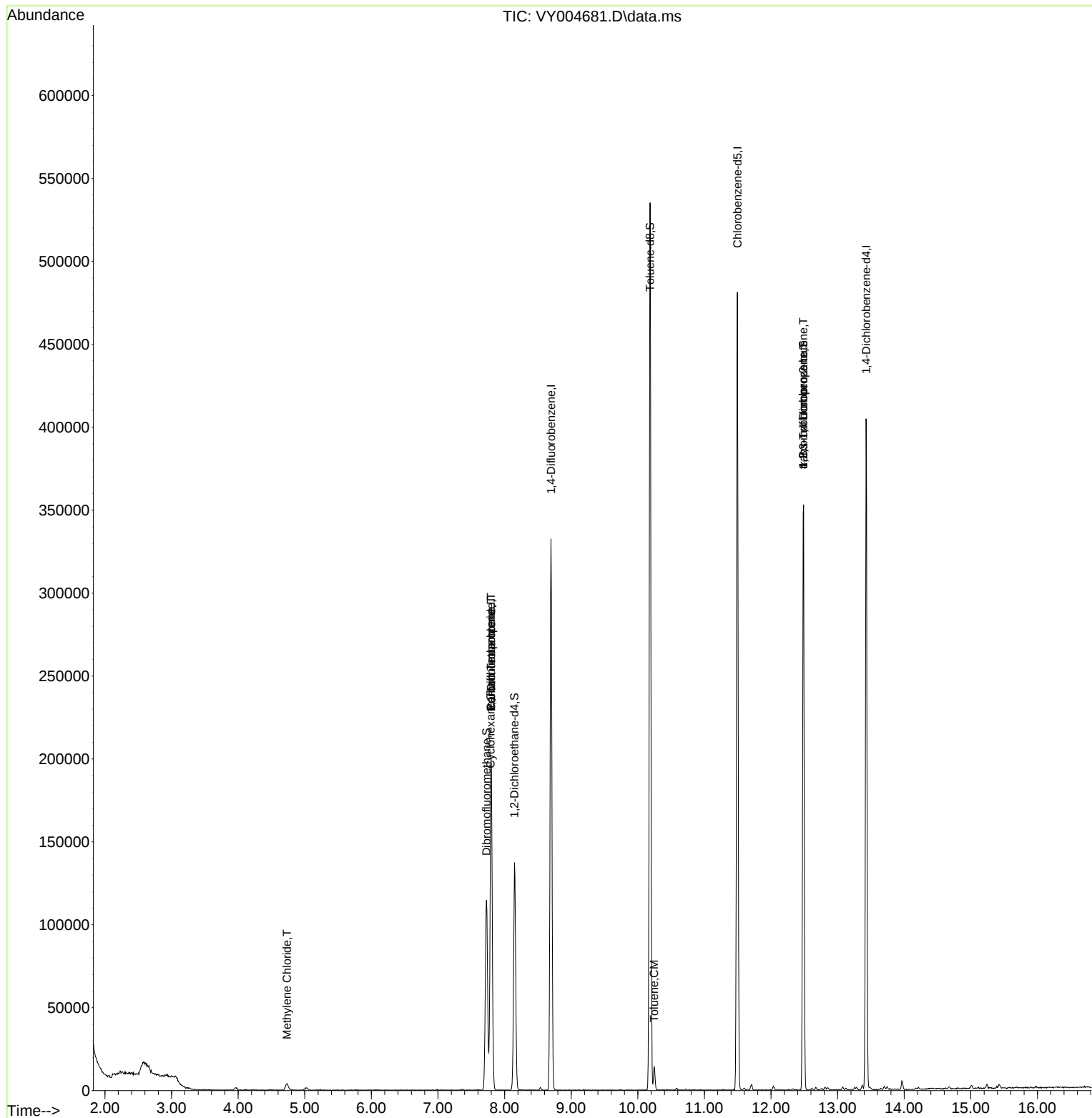
| Compound                      | R.T.           | QIon | Response           | Conc        | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------------|-------|----------|
| -----                         |                |      |                    |             |       |          |
| Internal Standards            |                |      |                    |             |       |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 149288             | 50.00       | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 265534             | 50.00       | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 243588             | 50.00       | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 94192              | 50.00       | ug/l  | 0.00     |
|                               |                |      |                    |             |       |          |
| System Monitoring Compounds   |                |      |                    |             |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 103694             | 62.52       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 125.04% |             |       |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 80000              | 54.29       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.58% |             |       |          |
| 50) Toluene-d8                | 10.185         | 98   | 324867             | 51.83       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 103.66% |             |       |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 99239              | 46.66       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 93.32%  |             |       |          |
|                               |                |      |                    |             |       |          |
| Target Compounds              |                |      |                    |             |       |          |
| 16) Acetone                   | 3.966          | 43   | 2732               | Below Cal   | #     | 86       |
| 20) Methylene Chloride        | 4.735          | 84   | 2757               | 1.72 ug/l   | #     | 86       |
| 31) Cyclohexane               | 7.789          | 56   | 3608               | 1.19 ug/l   | #     | 31       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 12363              | 4.69 ug/l   | #     | 49       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 15548              | 6.82 ug/l   | #     | 17       |
| 52) Toluene                   | 10.246         | 92   | 5493               | 1.14 ug/l   |       | 97       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 56616              | 56.00 ug/l  | #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 56616              | 100.18 ug/l | #     | 12       |
| -----                         |                |      |                    |             |       |          |

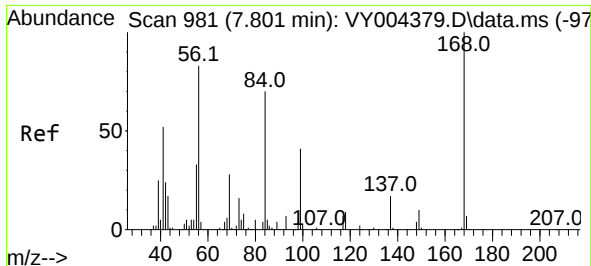
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/MD  
Sample : M2242-01  
Misc : 5.84G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

Quant Time: May 01 00:39:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration

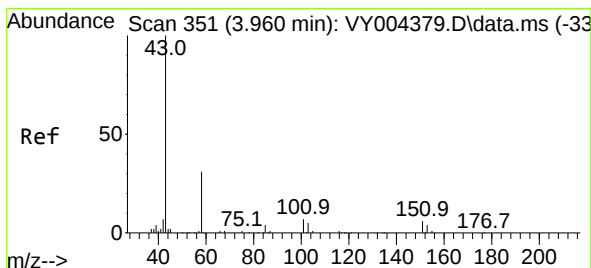
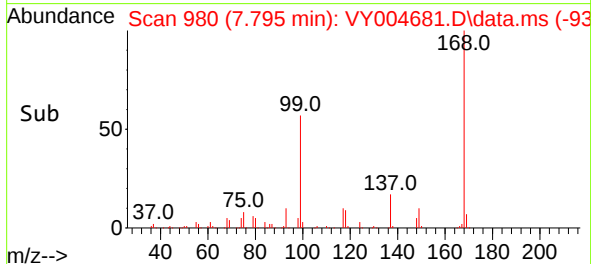
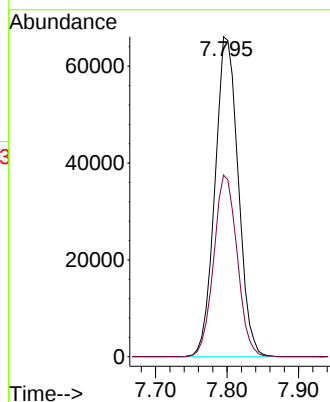
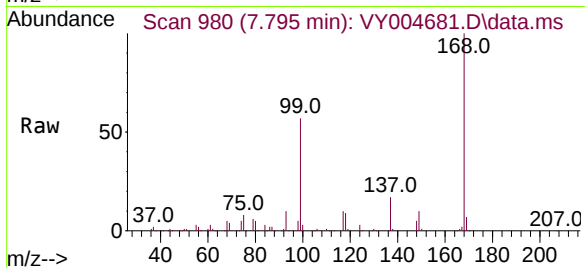




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

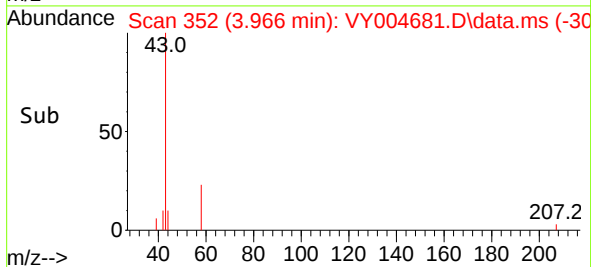
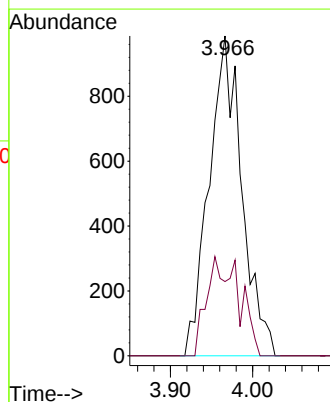
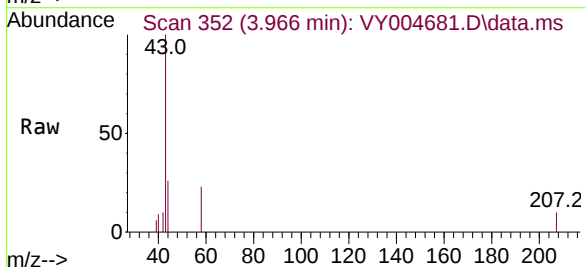
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

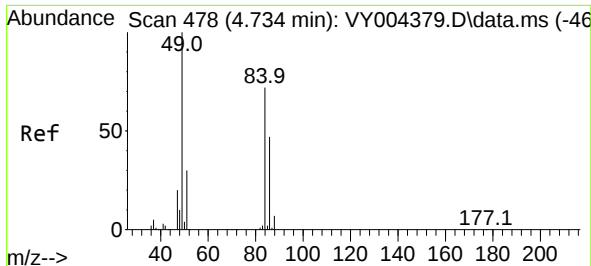
Tgt Ion:168 Resp: 149288  
Ion Ratio Lower Upper  
168 100  
99 56.7 45.5 68.3



#16  
Acetone  
Concen: Below Cal  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

Tgt Ion: 43 Resp: 2732  
Ion Ratio Lower Upper  
43 100  
58 23.2 24.6 37.0#

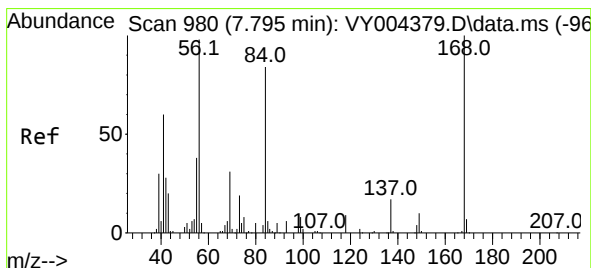
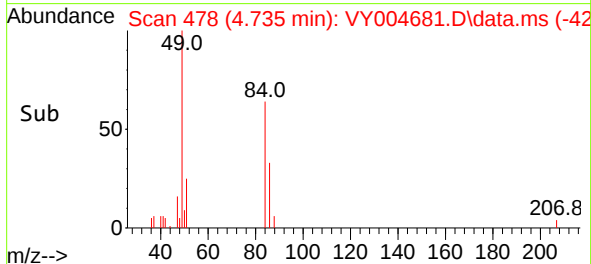
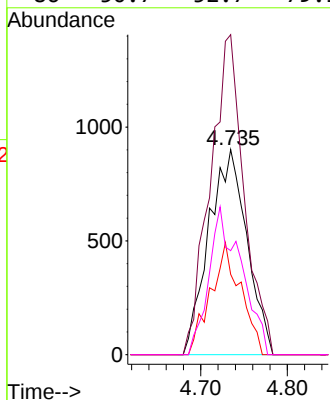
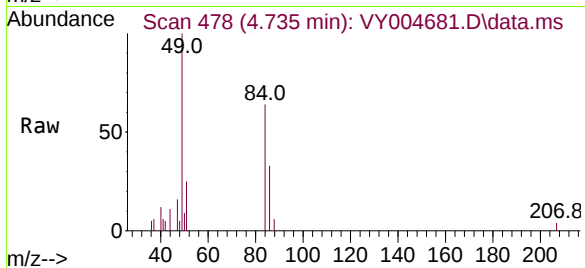




#20  
Methylene Chloride  
Concen: 1.72 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.000 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

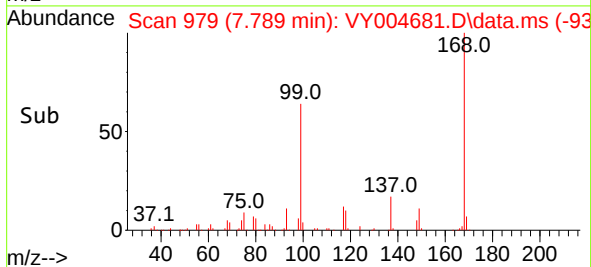
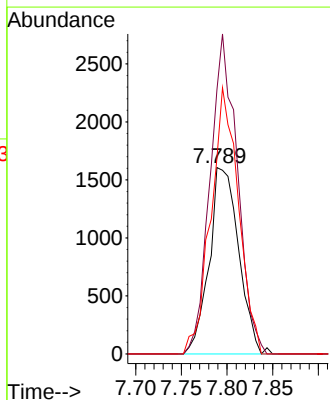
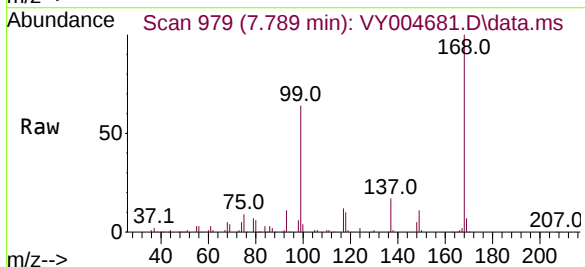
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

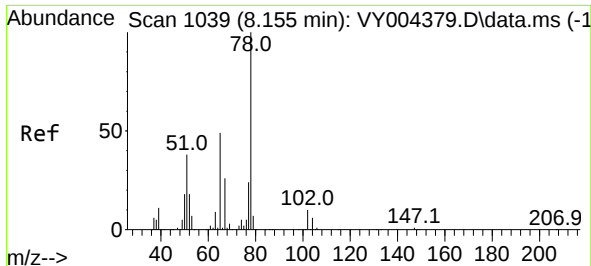
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2757  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 156.0 | 111.2 | 166.8 |
| 51       | 39.2  | 33.4  | 50.2  |
| 86       | 50.7  | 52.7  | 79.1# |



#31  
Cyclohexane  
Concen: 1.19 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3608   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 141.6 | 25.8  | 38.6#  |
| 84       | 105.0 | 68.2  | 102.4# |





#33

1,2-Dichloroethane-d4

Concen: 62.52 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY004681.D

Acq: 30 Apr 2021 12:45

Tgt Ion: 65 Resp: 103694

Ion Ratio Lower Upper

65 100

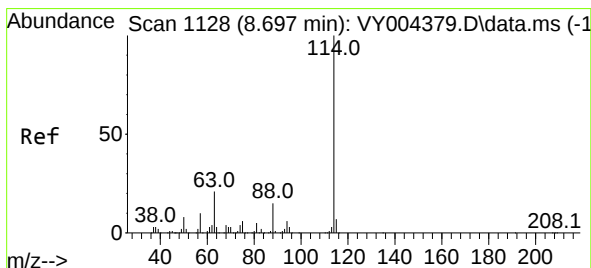
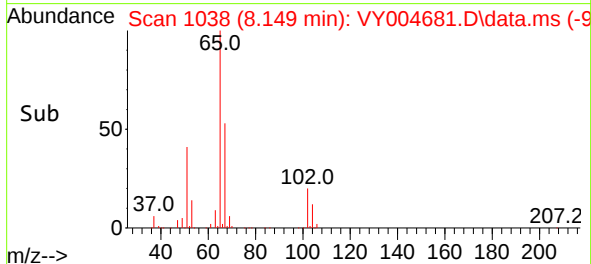
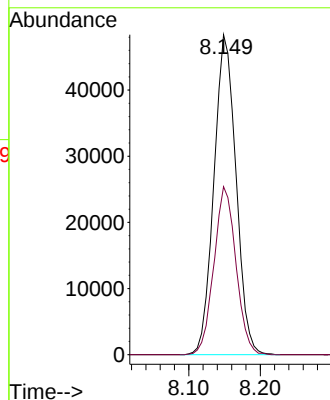
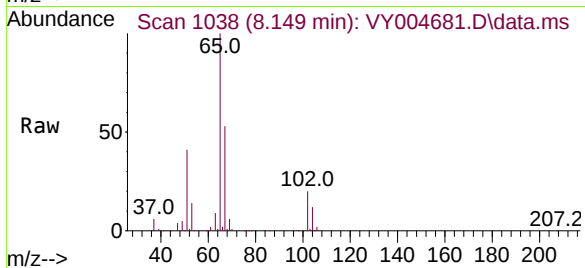
67 52.4 0.0 106.4

Instrument :

MSVOA\_Y

ClientSampleId :

STOCK-PILE



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004681.D

Acq: 30 Apr 2021 12:45

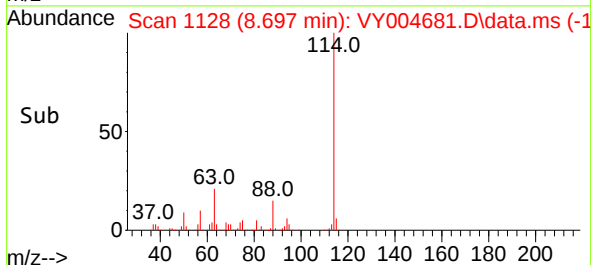
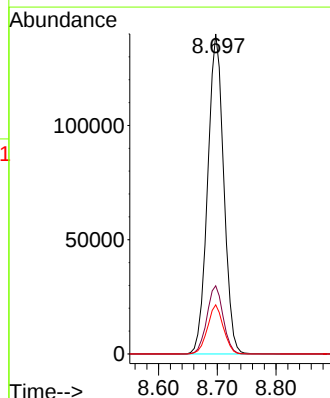
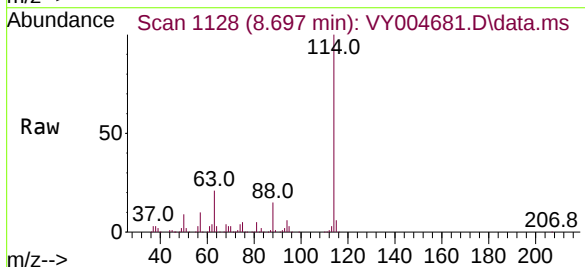
Tgt Ion:114 Resp: 265534

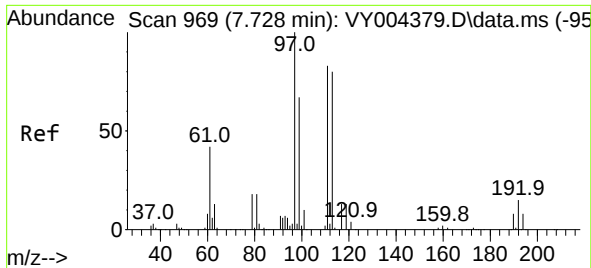
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

88 15.4 0.0 30.8

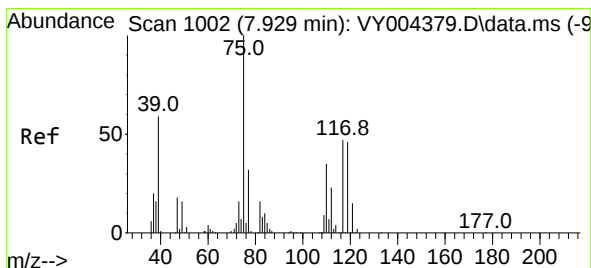
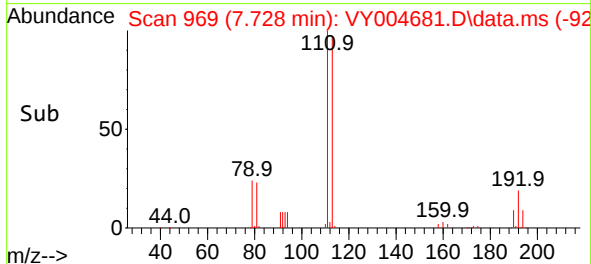
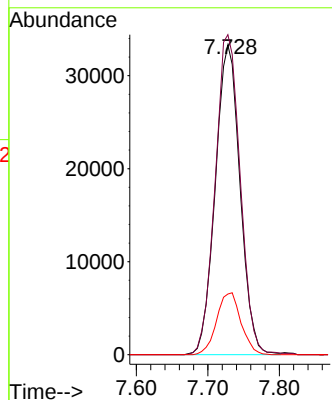
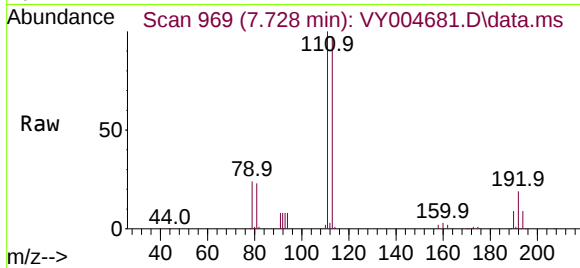




#35  
Dibromofluoromethane  
Concen: 54.29 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

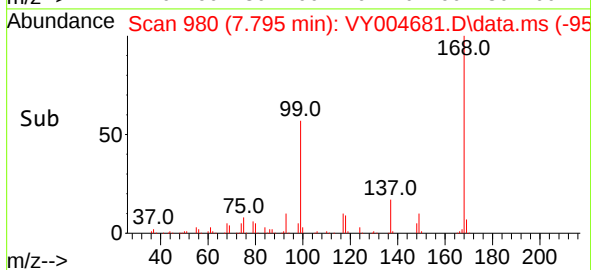
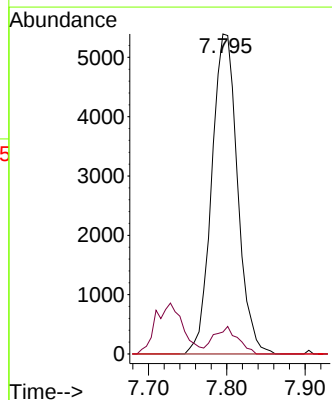
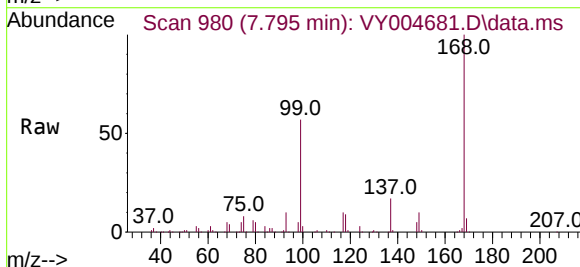
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

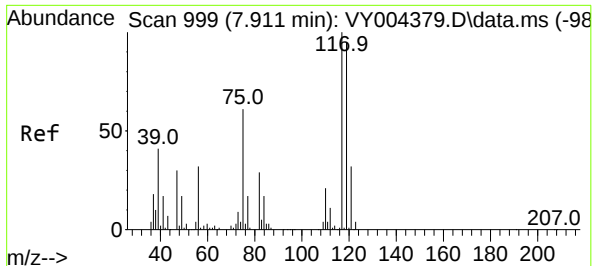
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 80000 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.6 | 82.6  | 123.8 |
| 192      | 19.7  | 16.1  | 24.1  |



#36  
1,1-Dichloropropene  
Concen: 4.69 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12363 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 7.8   | 17.3  | 51.7# |
| 77       | 0.0   | 24.3  | 36.5# |

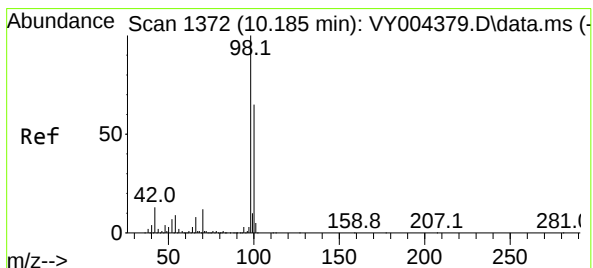
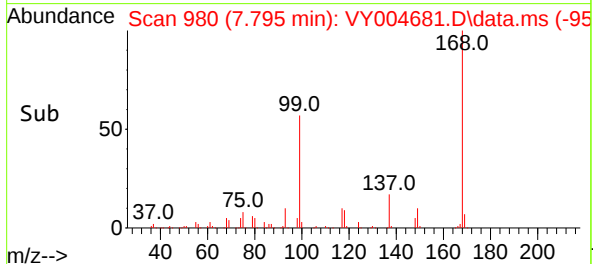
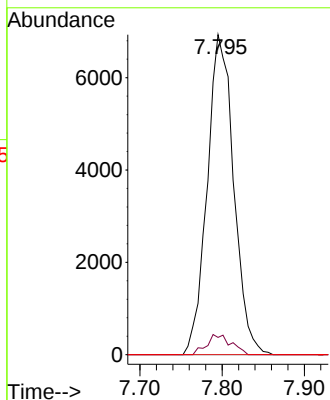
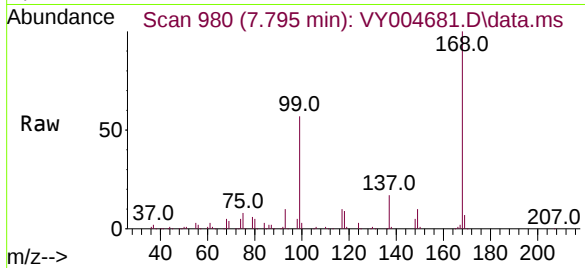




#38  
Carbon Tetrachloride  
Concen: 6.82 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

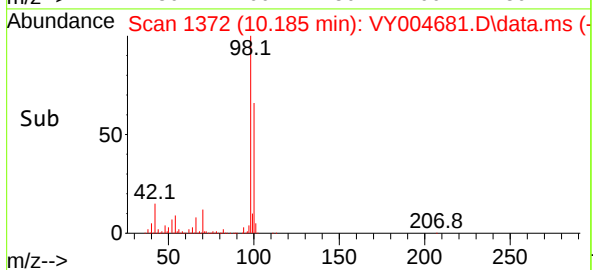
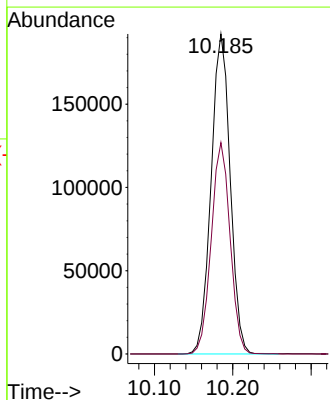
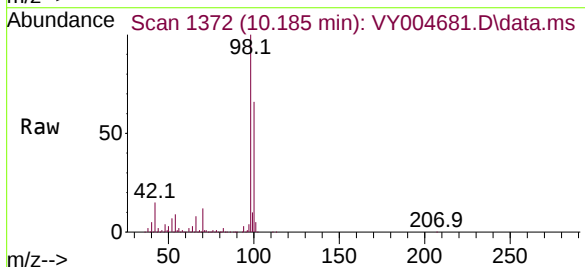
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

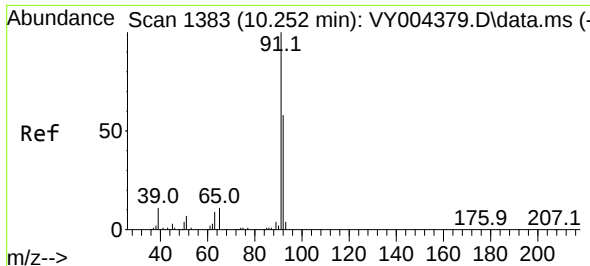
Tgt Ion:117 Resp: 15548  
Ion Ratio Lower Upper  
117 100  
119 5.4 75.8 113.8#  
121 0.0 25.3 37.9#



#50  
Toluene-d8  
Concen: 51.83 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

Tgt Ion: 98 Resp: 324867  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.8 77.6

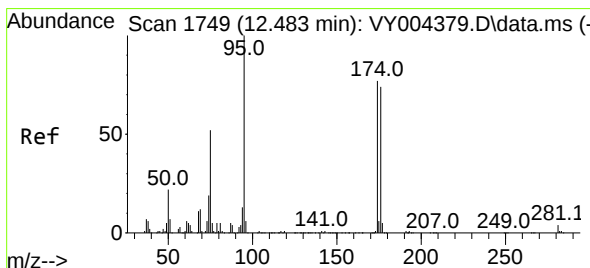
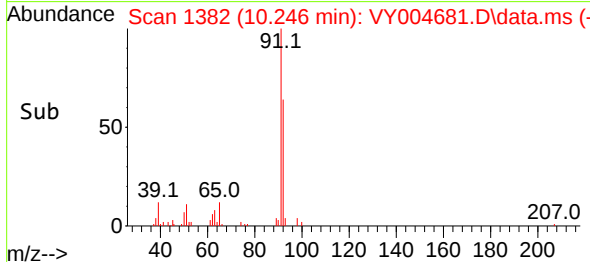
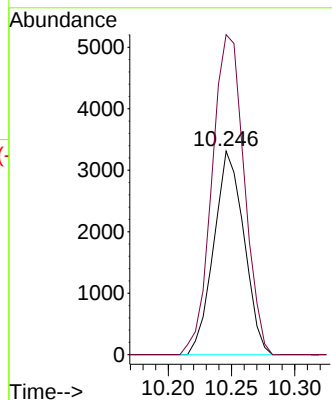
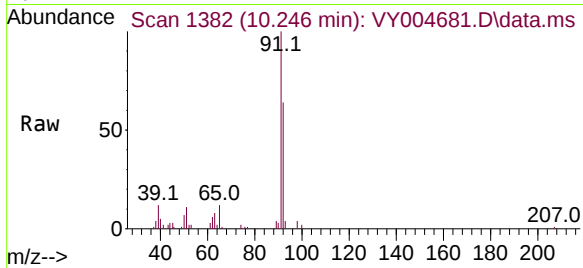




#52  
Toluene  
Concen: 1.14 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.006 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

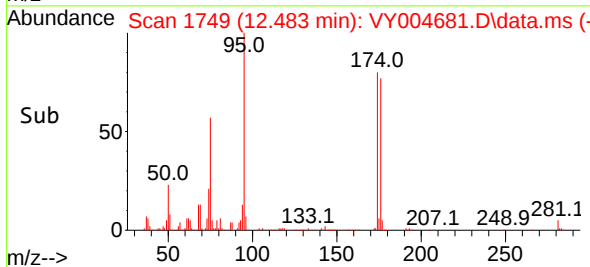
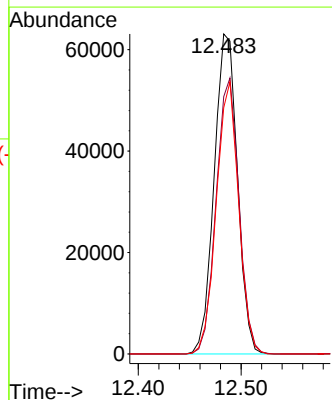
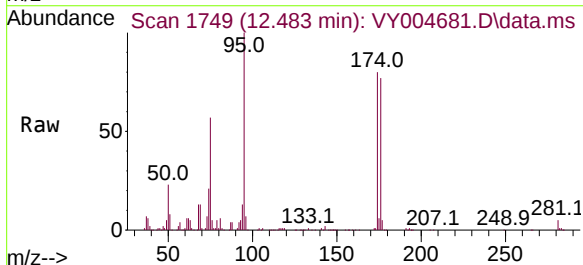
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

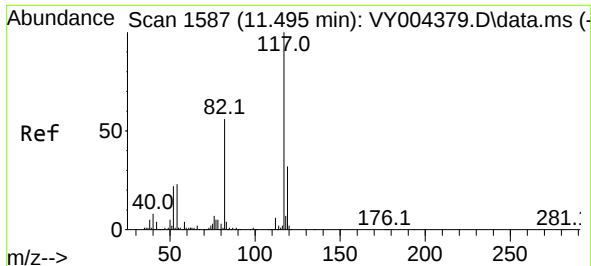
Tgt Ion: 92 Resp: 5493  
Ion Ratio Lower Upper  
92 100  
91 167.8 137.8 206.6



#62  
4-Bromofluorobenzene  
Concen: 46.66 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

Tgt Ion: 95 Resp: 99239  
Ion Ratio Lower Upper  
95 100  
174 84.5 0.0 162.4  
176 81.4 0.0 156.0

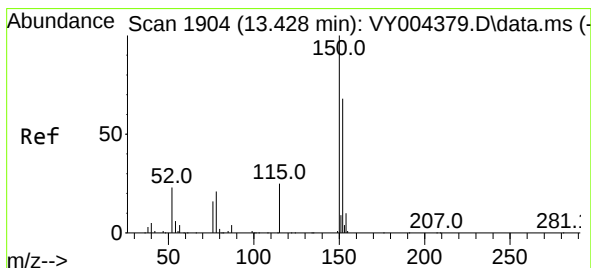
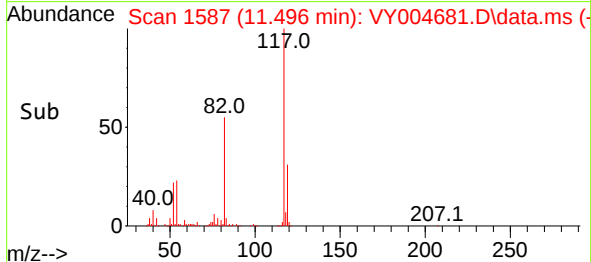
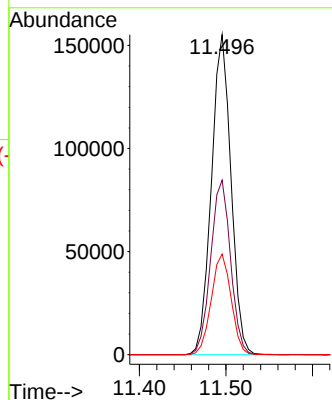
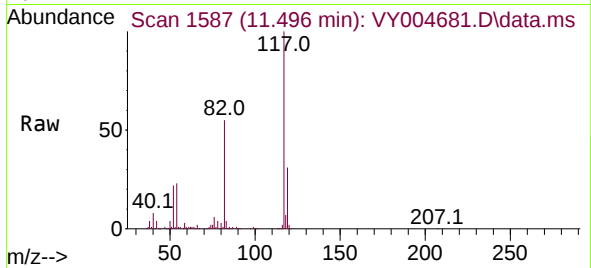




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

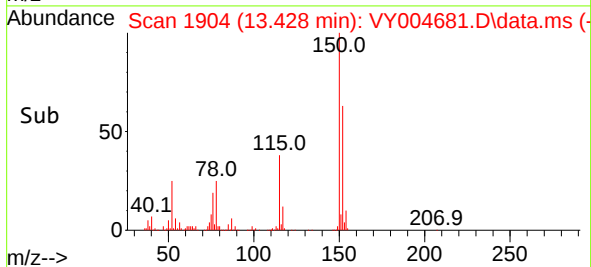
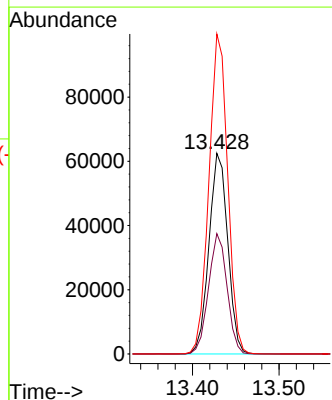
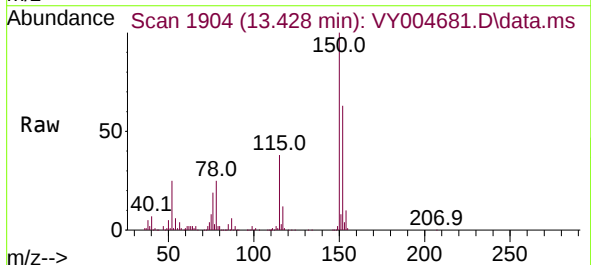
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

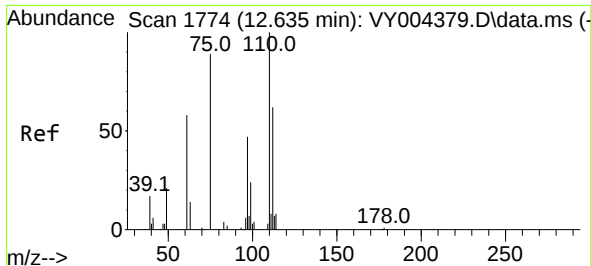
Tgt Ion:117 Resp: 243588  
Ion Ratio Lower Upper  
117 100  
82 54.5 44.9 67.3  
119 31.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

Tgt Ion:152 Resp: 94192  
Ion Ratio Lower Upper  
152 100  
115 59.0 29.6 88.8  
150 158.9 0.0 348.4

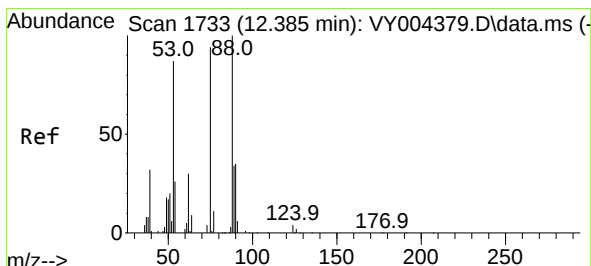
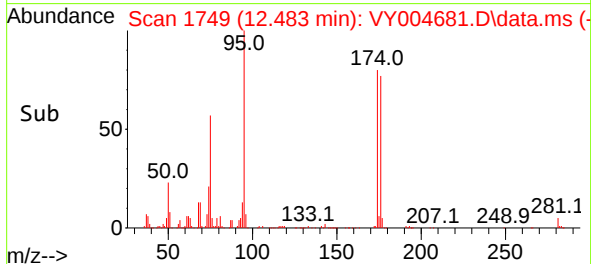
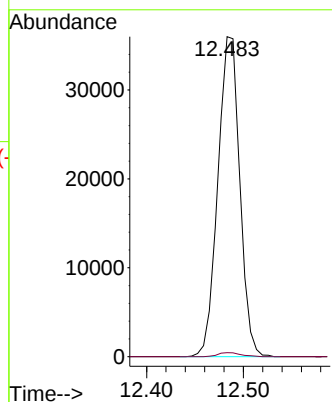
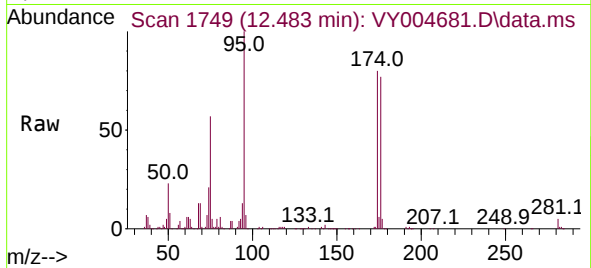




#76  
1,2,3-Trichloropropane  
Concen: 56.00 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

Tgt Ion: 75 Resp: 56616  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 100.18 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004681.D  
Acq: 30 Apr 2021 12:45

Tgt Ion: 75 Resp: 56616  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.0 112.6#  
89 0.2 36.1 54.1#

