

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061121\  
 Data File : VY005129.D  
 Acq On : 11 Jun 2021 17:03  
 Operator : SY/MD  
 Sample : M2687-01  
 Misc : 8.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 17-B6(100-104)

Quant Time: Jun 12 00:37:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 2021  
 Response via : Initial Calibration

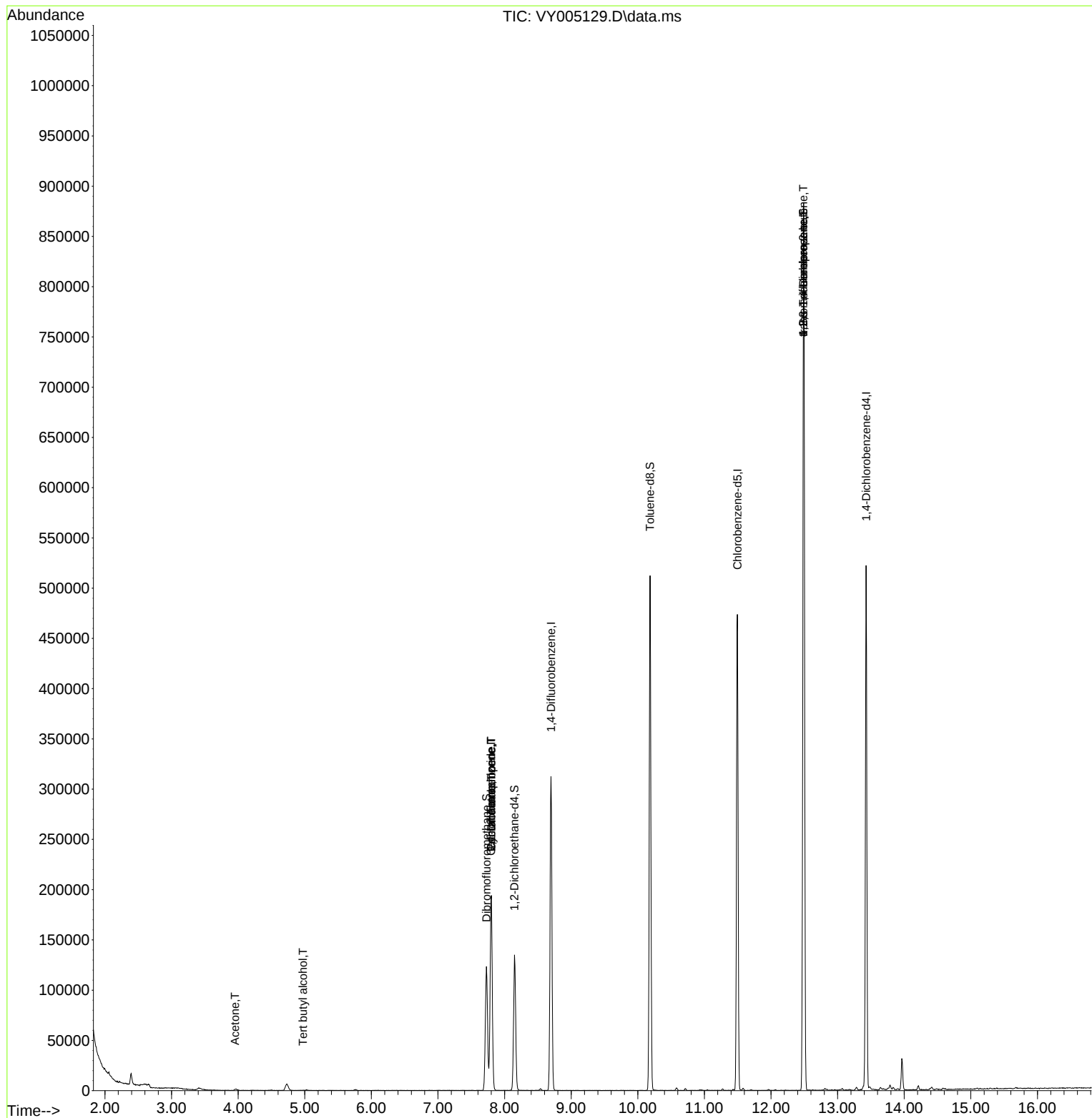
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 148571             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 268612             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 263888             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 128516             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.148          | 65   | 104508             | 66.54     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 133.08% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 85553              | 59.20     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 118.40% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 331807             | 55.28     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 110.56% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 116122             | 56.26     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 112.52% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.972          | 59   | 187                | 1.04      | ug/l # | 74       |
| 16) Acetone                   | 3.954          | 43   | 2459               | 6.50      | ug/l   | 89       |
| 20) Methylene Chloride        | 4.734          | 84   | 5057               | Below Cal |        | 86       |
| 31) Cyclohexane               | 7.801          | 56   | 3062               | 1.11      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 11574              | 4.40      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 15124              | 6.61      | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 66731              | 47.37     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 66731              | 87.05     | ug/l # | 16       |
| -----                         |                |      |                    |           |        |          |

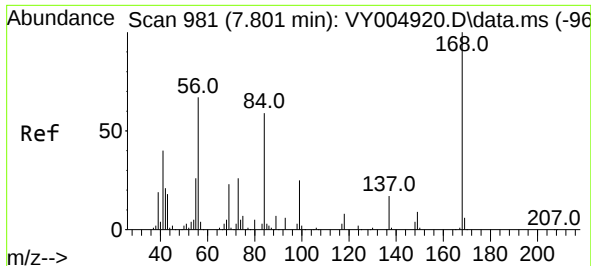
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
17-B6(100-104)

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Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 2021  
Response via : Initial Calibration

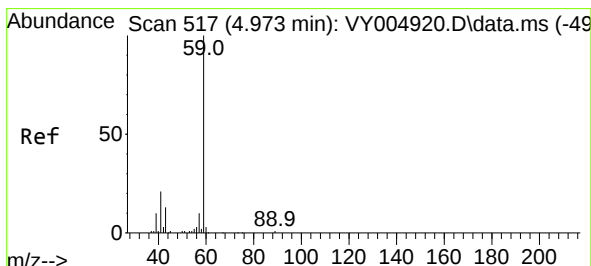
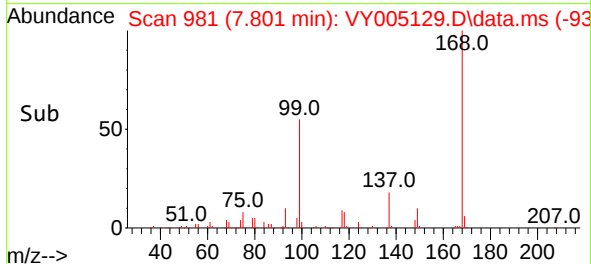
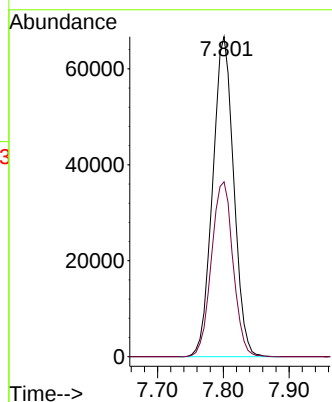
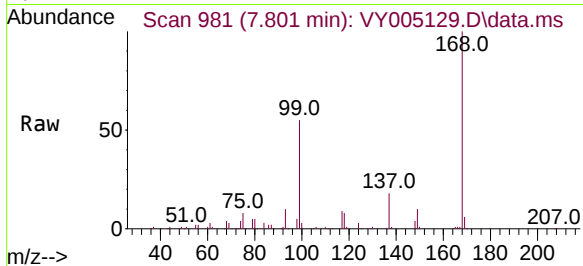




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

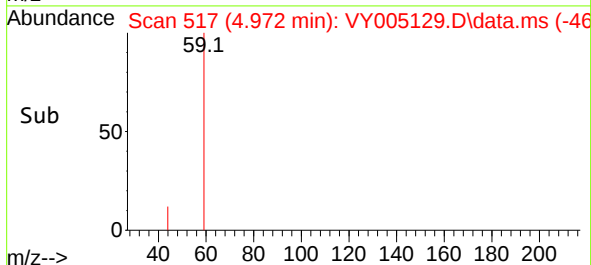
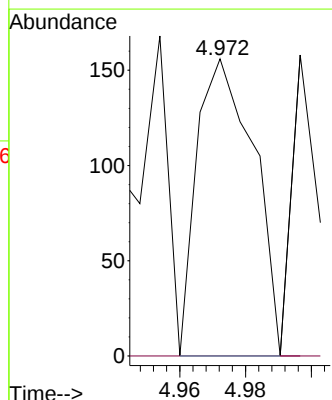
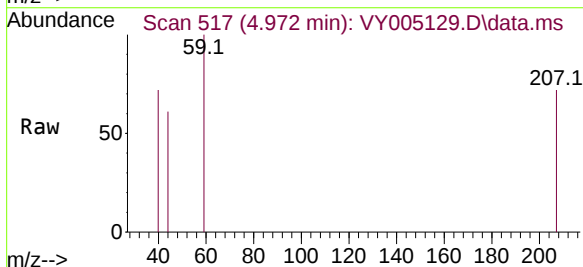
Instrument :  
MSVOA\_Y  
ClientSampleId :  
17-B6(100-104)

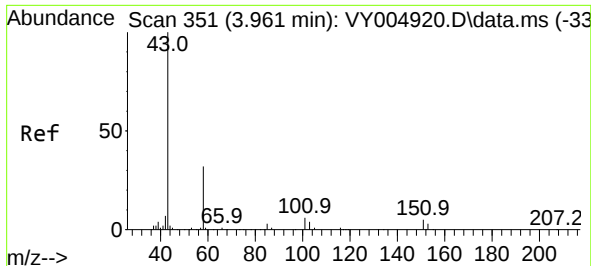
Tgt Ion:168 Resp: 148571  
Ion Ratio Lower Upper  
168 100  
99 54.6 43.9 65.9



#11  
Tert butyl alcohol  
Concen: 1.04 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

Tgt Ion: 59 Resp: 187  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

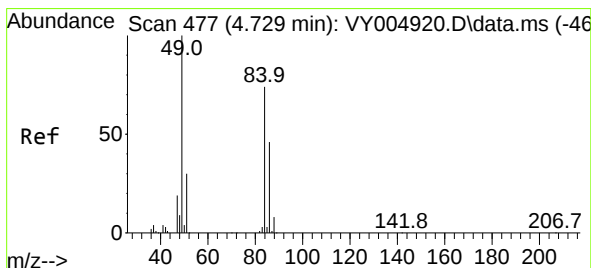
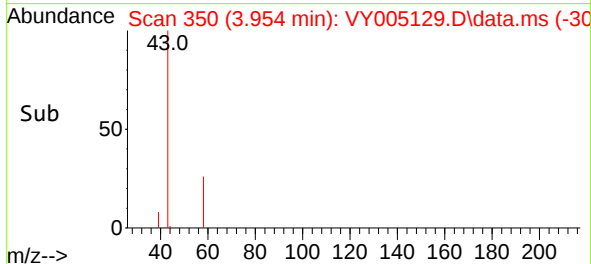
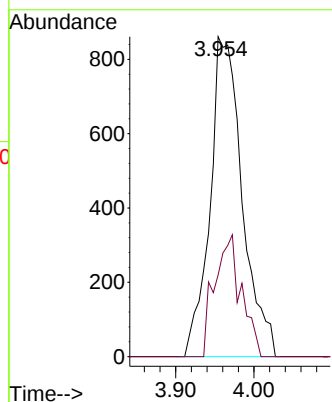
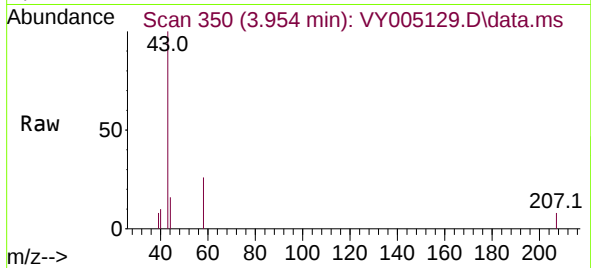




#16  
Acetone  
Concen: 6.50 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

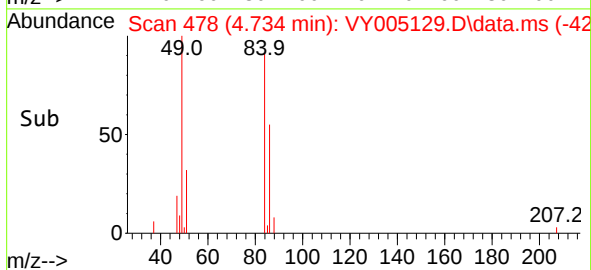
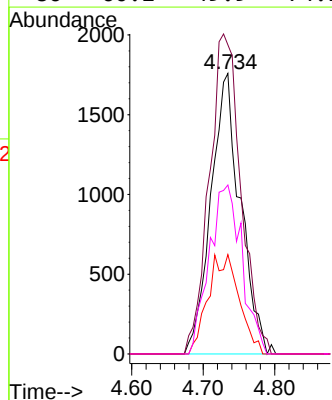
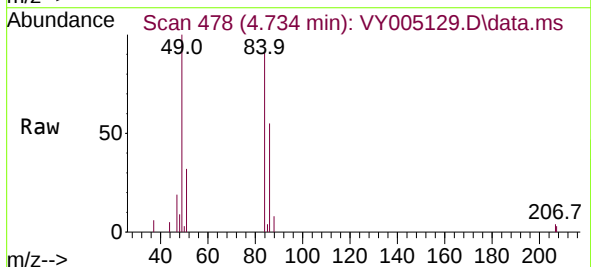
Instrument :  
MSVOA\_Y  
ClientSampleId :  
17-B6(100-104)

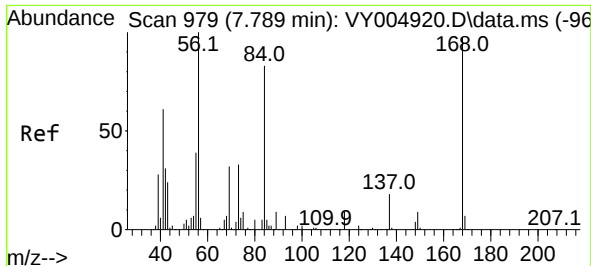
Tgt Ion: 43 Resp: 2459  
Ion Ratio Lower Upper  
43 100  
58 25.6 25.3 37.9



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.734 min Scan# 478  
Delta R.T. 0.005 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

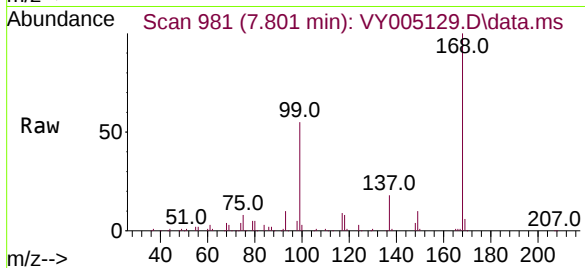
Tgt Ion: 84 Resp: 5057  
Ion Ratio Lower Upper  
84 100  
49 110.2 108.0 162.0  
51 35.4 32.6 48.8  
86 60.2 49.9 74.9



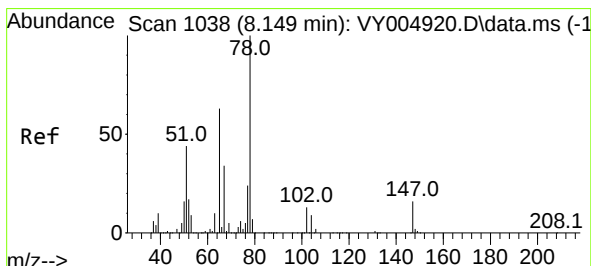
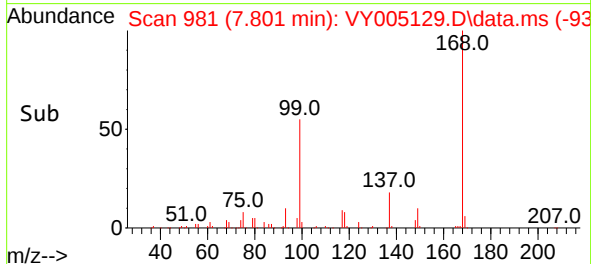
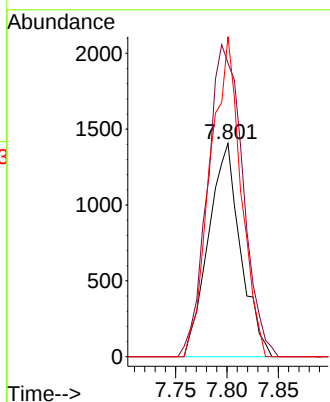


#31  
Cyclohexane  
Concen: 1.11 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
17-B6(100-104)

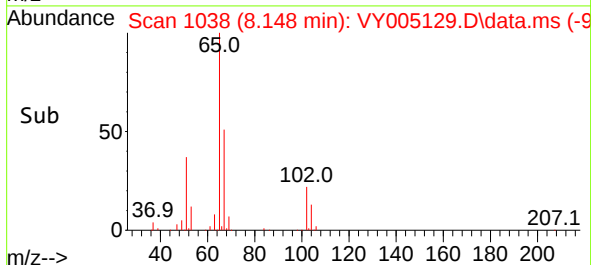
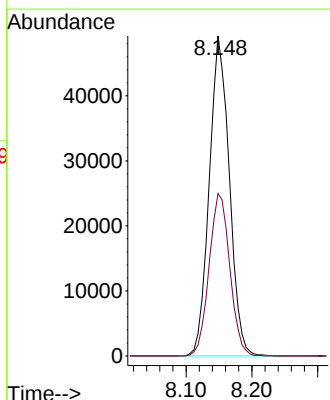
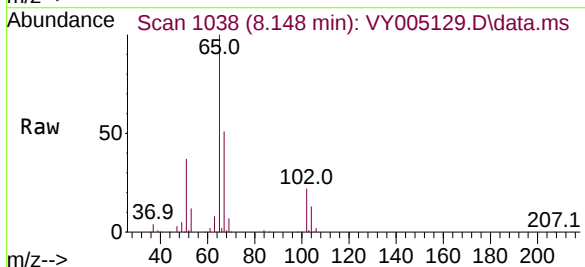


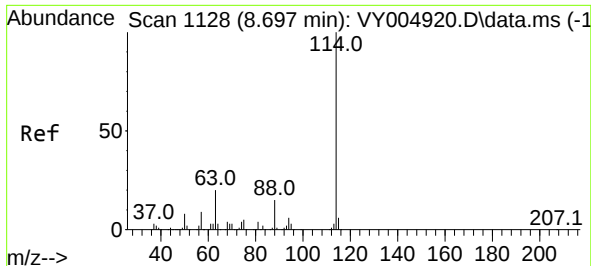
Tgt Ion: 56 Resp: 3062  
Ion Ratio Lower Upper  
56 100  
69 137.7 25.3 37.9#  
84 150.1 66.2 99.4#



#33  
1,2-Dichloroethane-d4  
Concen: 66.54 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

Tgt Ion: 65 Resp: 104508  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 110.6

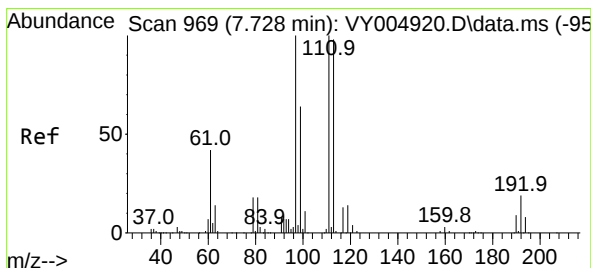
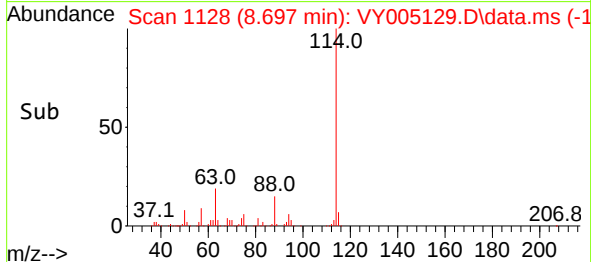
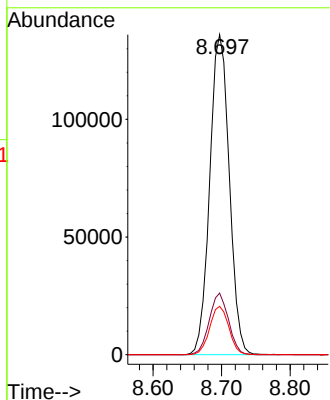
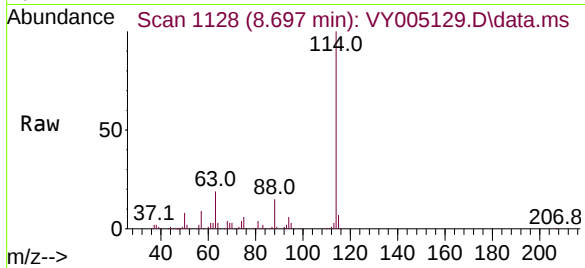




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

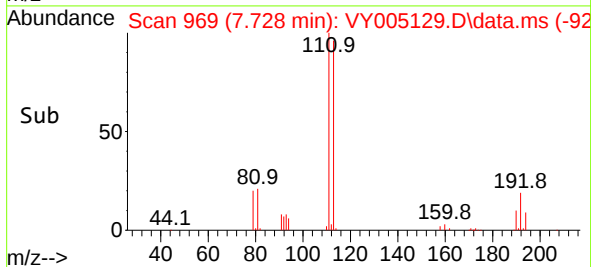
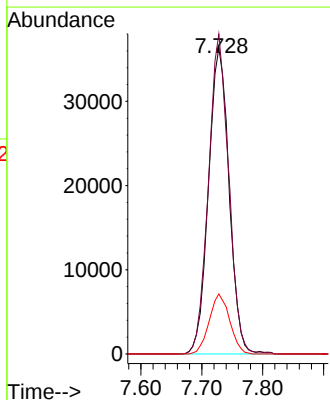
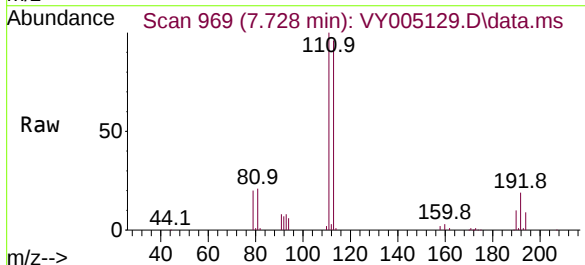
Instrument :  
MSVOA\_Y  
ClientSampleId :  
17-B6(100-104)

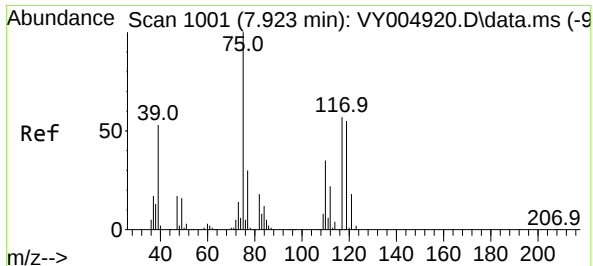
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.2  | 0.0   | 41.0  |
| 88      | 15.1  | 0.0   | 30.6  |



#35  
Dibromofluoromethane  
Concen: 59.20 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 81.8  | 122.8 |
| 192     | 19.4  | 15.3  | 22.9  |

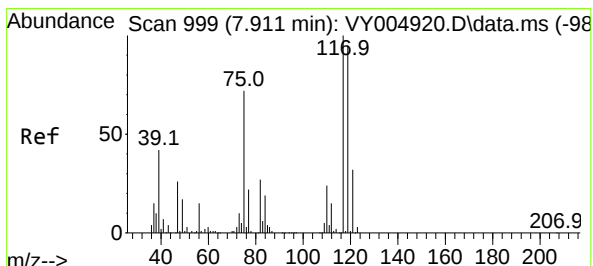
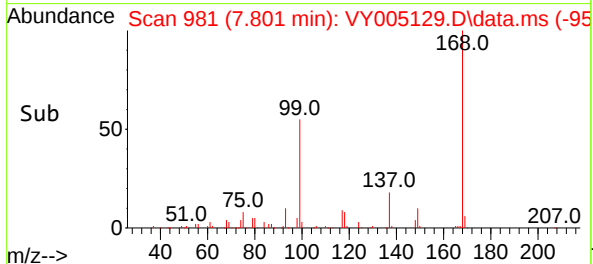
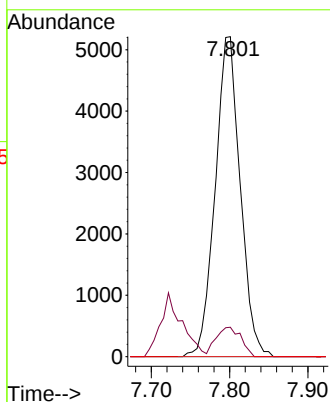
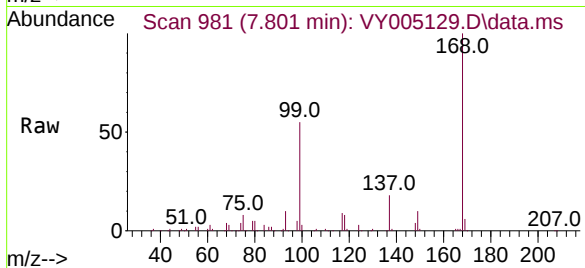




#36  
1,1-Dichloropropene  
Concen: 4.40 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.122 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

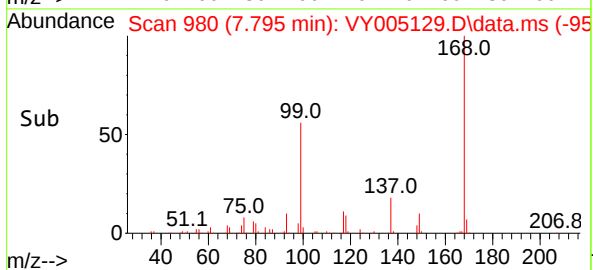
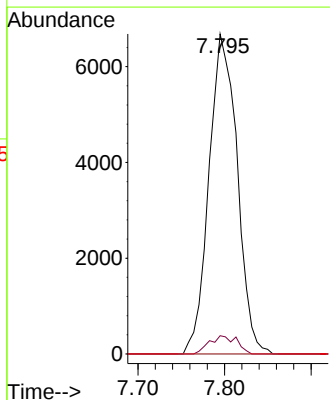
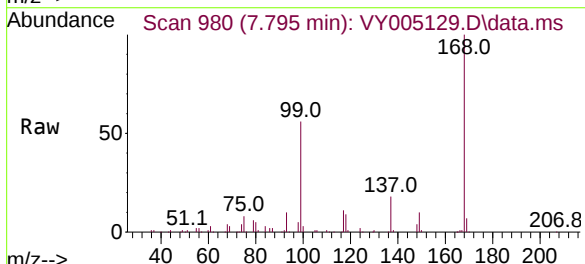
Instrument :  
MSVOA\_Y  
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17-B6(100-104)

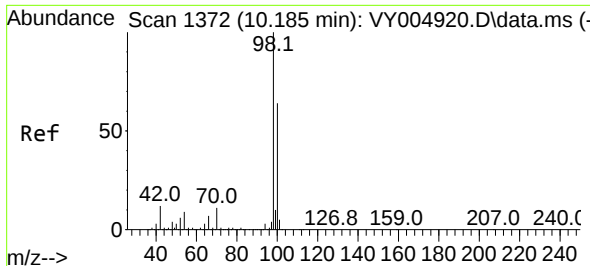
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 11574 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 9.2     | 17.5 52.5#  |
| 77 0.0      | 25.1 37.7#  |



#38  
Carbon Tetrachloride  
Concen: 6.61 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 15124 |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 5.7      | 76.1 114.1# |
| 121 0.0      | 25.5 38.3#  |

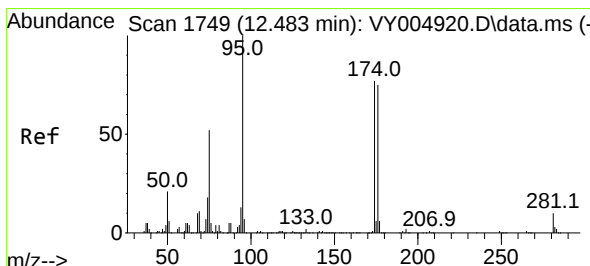
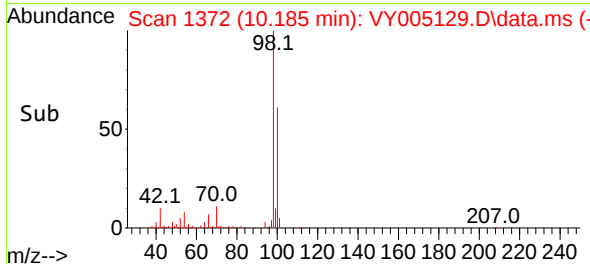
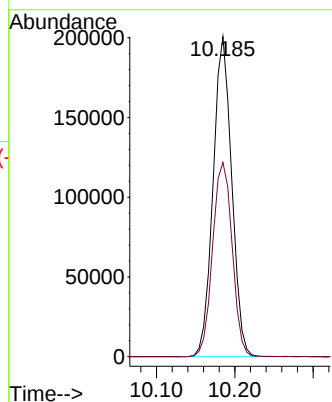
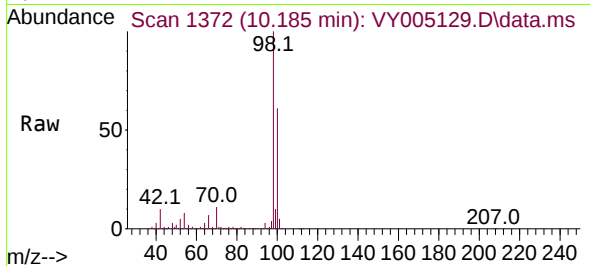




#50  
Toluene-d8  
Concen: 55.28 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

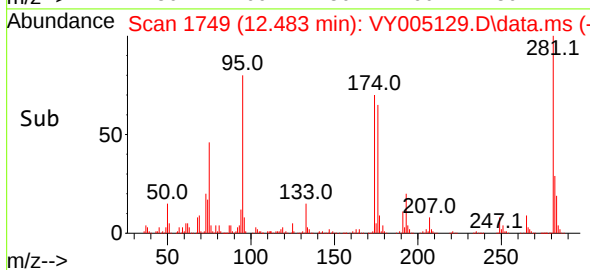
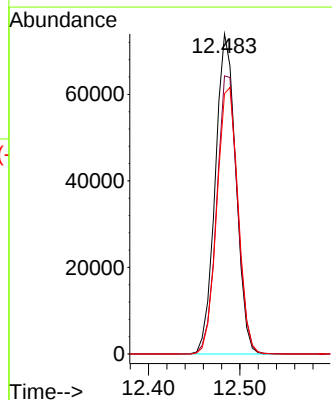
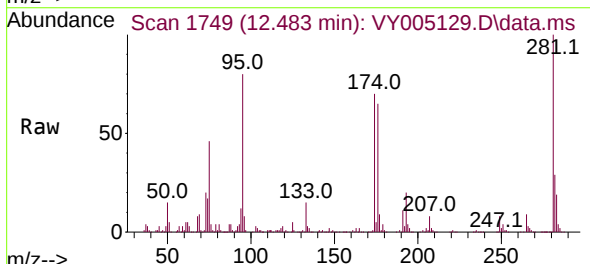
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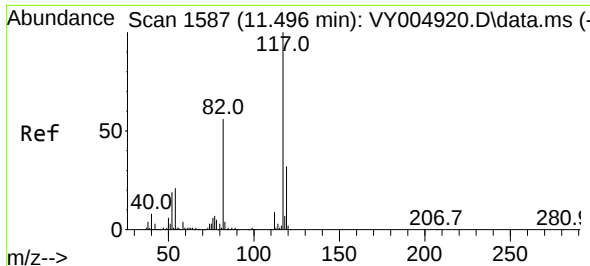
Tgt Ion: 98 Resp: 331807  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 56.26 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

Tgt Ion: 95 Resp: 116122  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 160.8  
176 85.4 0.0 155.6

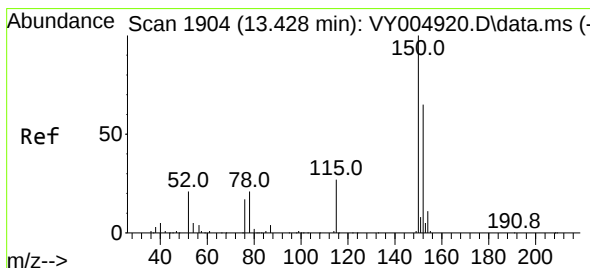
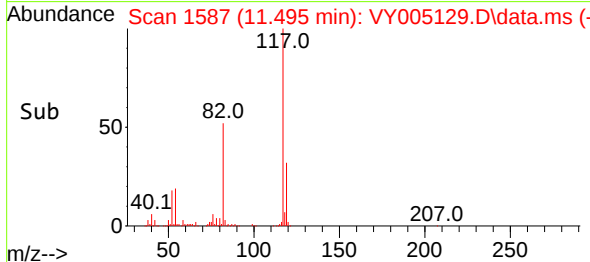
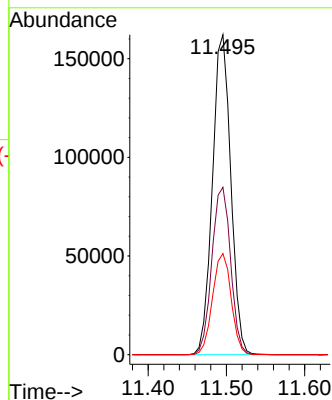
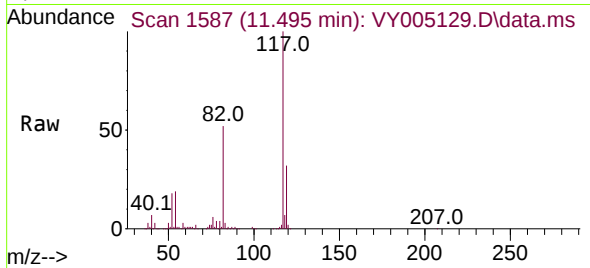




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

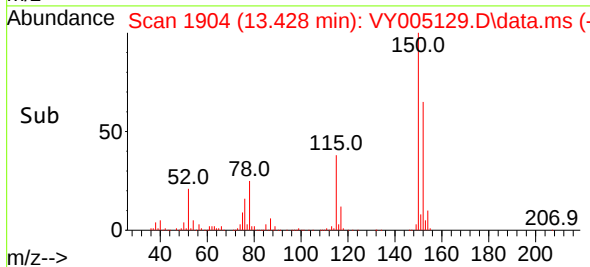
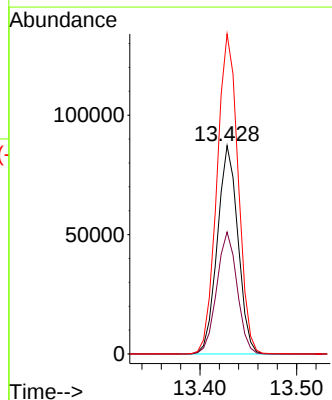
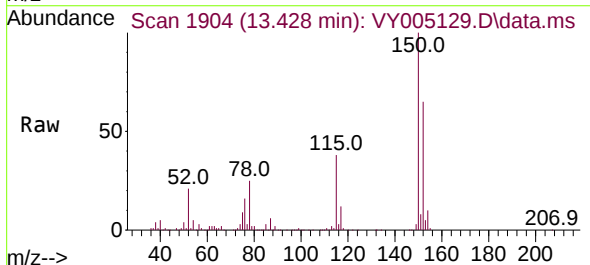
Instrument :  
MSVOA\_Y  
ClientSampleId :  
17-B6(100-104)

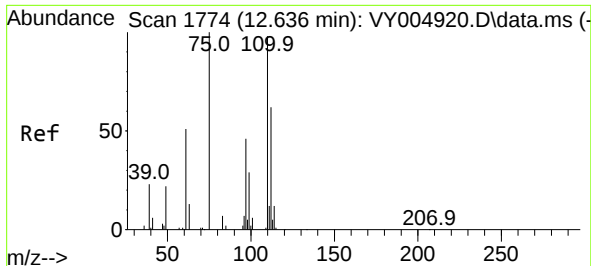
Tgt Ion:117 Resp: 263888  
Ion Ratio Lower Upper  
117 100  
82 52.3 44.8 67.2  
119 31.6 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

Tgt Ion:152 Resp: 128516  
Ion Ratio Lower Upper  
152 100  
115 57.9 29.9 89.7  
150 158.1 0.0 347.8

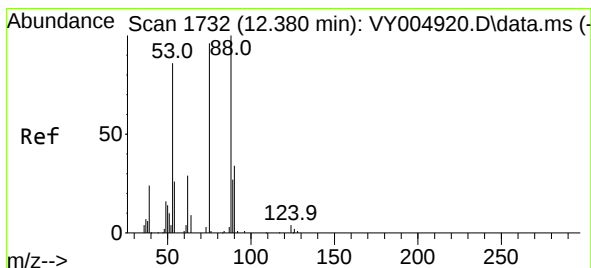
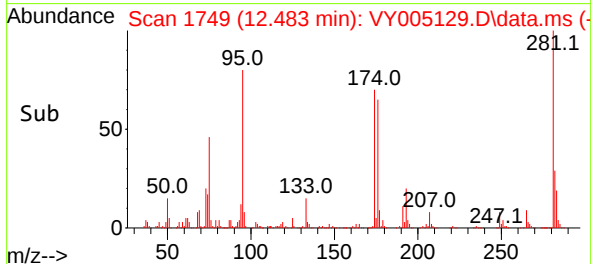
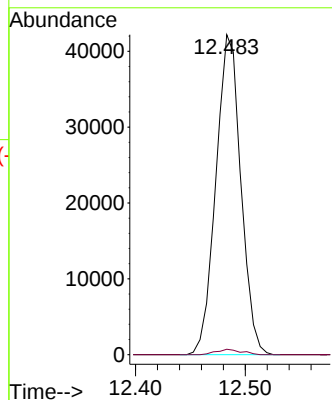
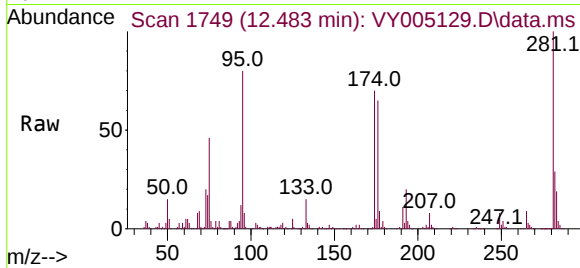




#76  
1,2,3-Trichloropropane  
Concen: 47.37 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
17-B6(100-104)

Tgt Ion: 75 Resp: 66731  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.05 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY005129.D  
Acq: 11 Jun 2021 17:03

Tgt Ion: 75 Resp: 66731  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.3 103.9#  
89 2.8 35.0 52.6#

