

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070221\  
 Data File : VY005350.D  
 Acq On : 02 Jul 2021 18:38  
 Operator : SY/MD  
 Sample : M2926-07  
 Misc : 5.05G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3

Quant Time: Jul 05 01:07:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 07:57:52 2021  
 Response via : Initial Calibration

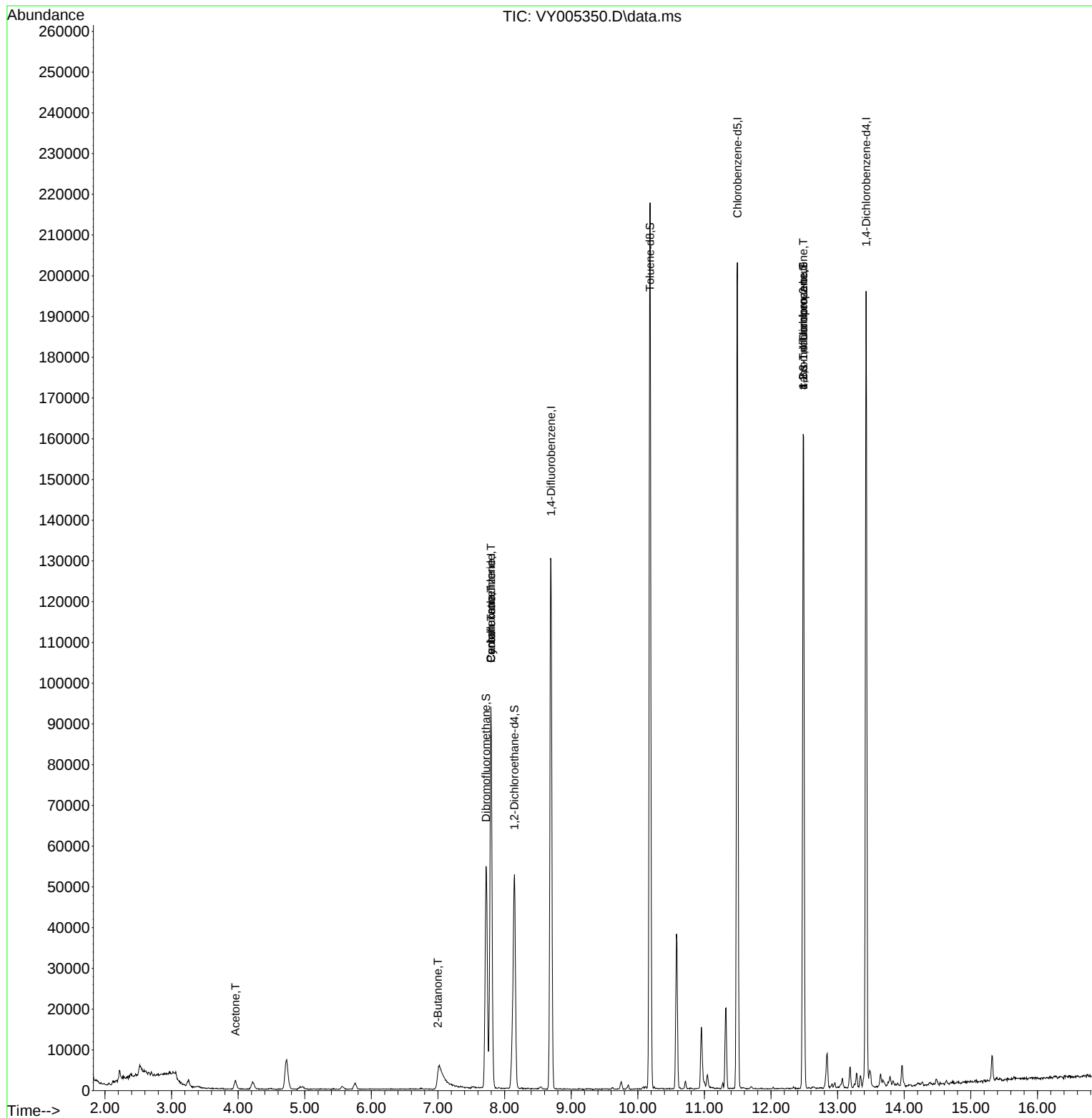
| Compound                      | R.T.           | QIon | Response            | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|-------|----------|
| -----                         |                |      |                     |           |       |          |
| Internal Standards            |                |      |                     |           |       |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 77679               | 50.000    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 117921              | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 115994              | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 54100               | 50.000    | ug/l  | 0.00     |
|                               |                |      |                     |           |       |          |
| System Monitoring Compounds   |                |      |                     |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 38264               | 59.359    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 118.720% |           |       |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 38397               | 55.212    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 110.420% |           |       |          |
| 50) Toluene-d8                | 10.185         | 98   | 143831              | 51.716    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 103.440% |           |       |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 42835               | 46.220    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 92.440%  |           |       |          |
|                               |                |      |                     |           |       |          |
| Target Compounds              |                |      |                     |           |       |          |
| 11) Tert butyl alcohol        | 4.960          | 59   | 1367                | Below Cal | #     | 77       |
| 16) Acetone                   | 3.960          | 43   | 3498                | 23.490    | ug/l  | 96       |
| 20) Methylene Chloride        | 4.722          | 84   | 5637                | Below Cal |       | 88       |
| 25) 2-Butanone                | 6.996          | 43   | 1040                | 4.789     | ug/l  | 90       |
| 31) Cyclohexane               | 7.795          | 56   | 1274                | 1.107     | ug/l  | # 12     |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 6433                | 5.918     | ug/l  | # 17     |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 21571               | 44.958    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 21571               | 83.881    | ug/l  | # 17     |
| -----                         |                |      |                     |           |       |          |

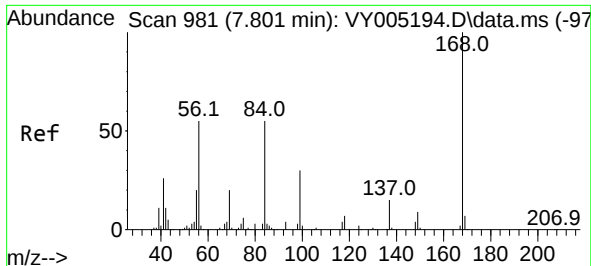
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070221\  
Data File : VY005350.D  
Acq On : 02 Jul 2021 18:38  
Operator : SY/MD  
Sample : M2926-07  
Misc : 5.05G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

Quant Time: Jul 05 01:07:47 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 07:57:52 2021  
Response via : Initial Calibration

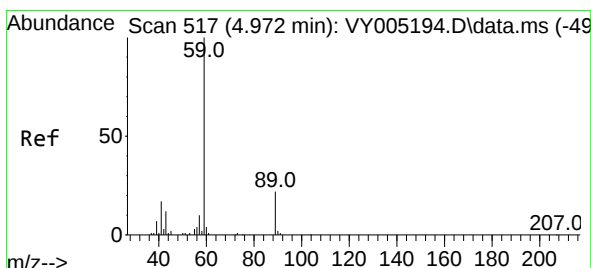
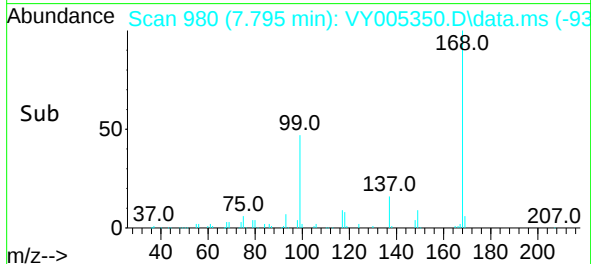
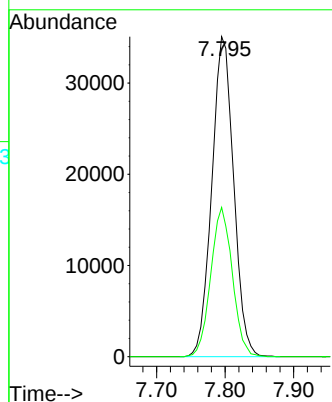
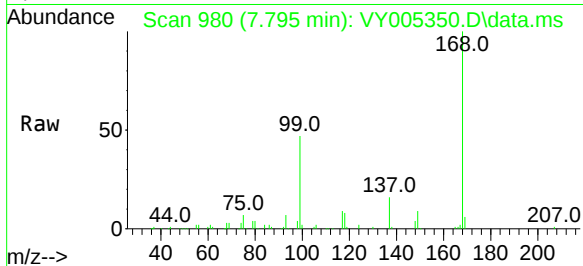




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

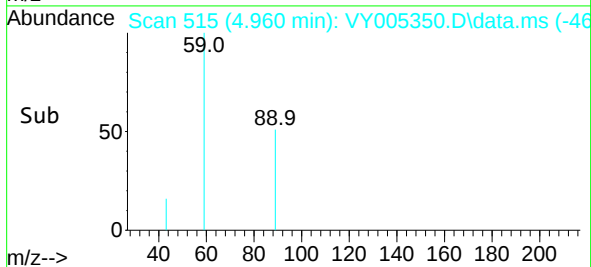
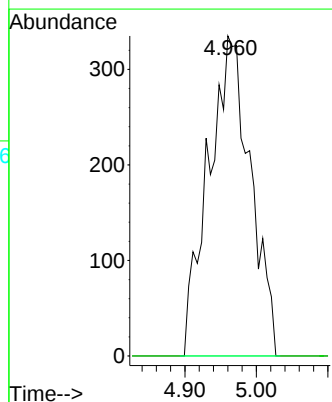
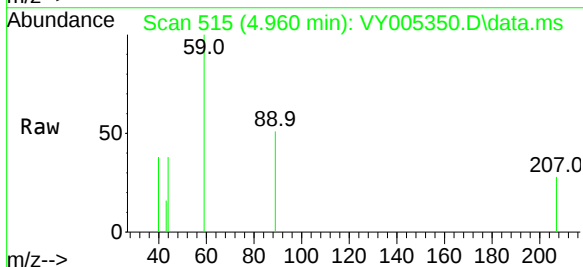
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

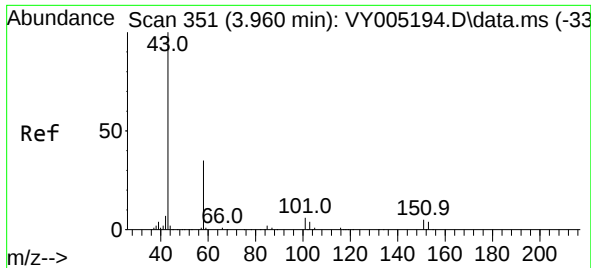
Tgt Ion:168 Resp: 77679  
Ion Ratio Lower Upper  
168 100  
99 46.7 36.2 54.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.960 min Scan# 515  
Delta R.T. -0.012 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

Tgt Ion: 59 Resp: 1367  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.5 9.7#

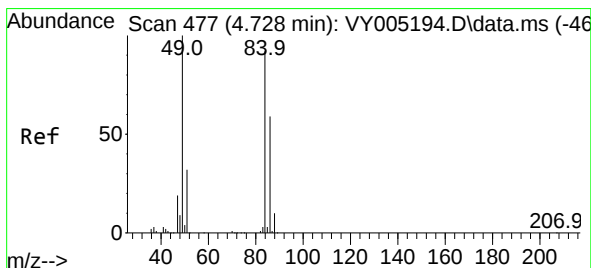
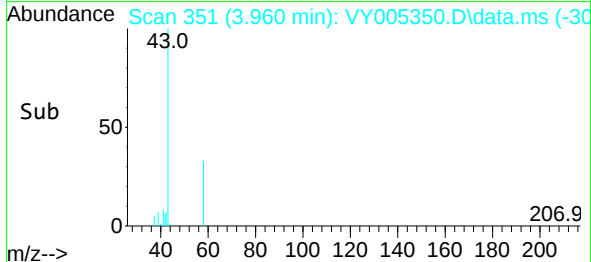
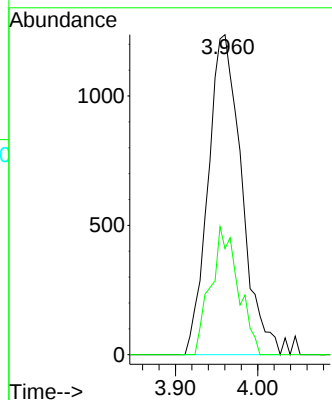
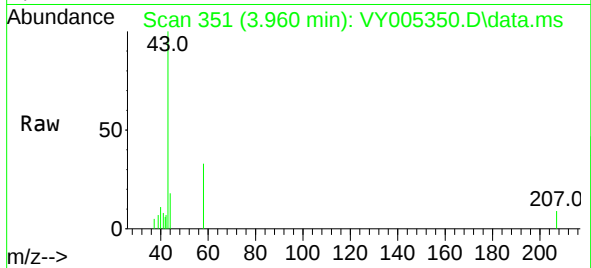




#16  
Acetone  
Concen: 23.490 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

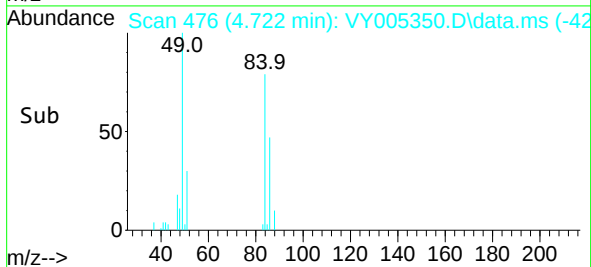
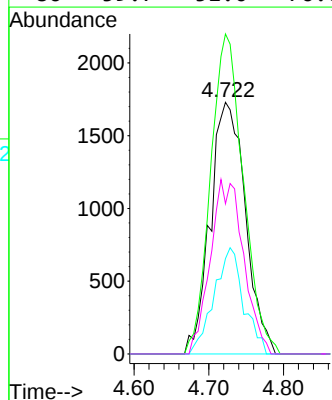
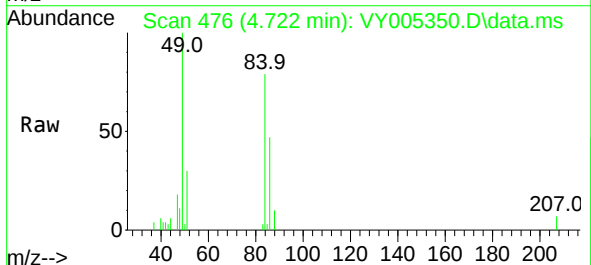
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-3

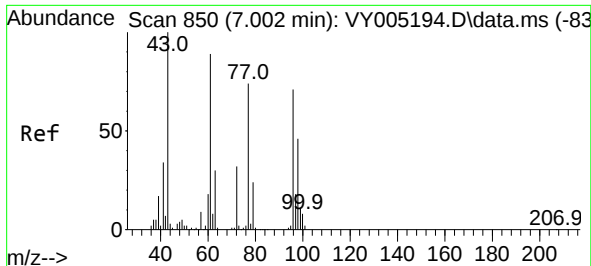
Tgt Ion: 43 Resp: 3498  
Ion Ratio Lower Upper  
43 100  
58 33.1 28.2 42.2



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. -0.006 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

Tgt Ion: 84 Resp: 5637  
Ion Ratio Lower Upper  
84 100  
49 127.1 86.9 130.3  
51 37.9 27.4 41.2  
86 59.7 51.0 76.6

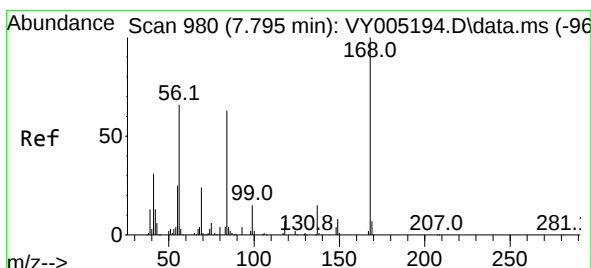
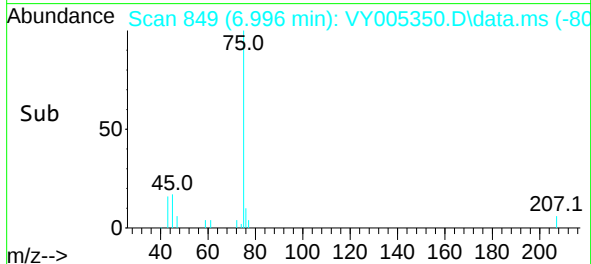
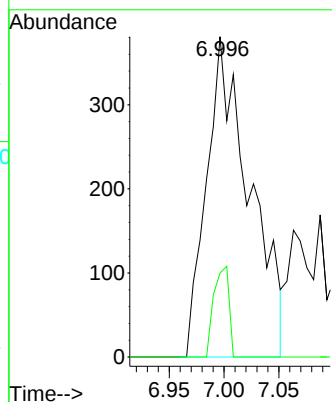
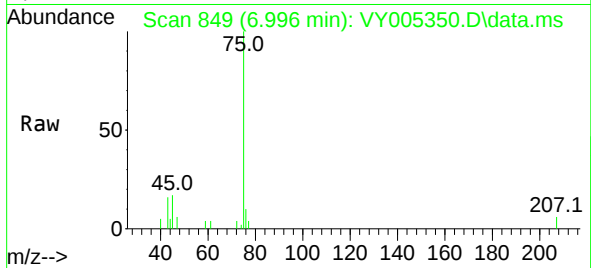




#25  
2-Butanone  
Concen: 4.789 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

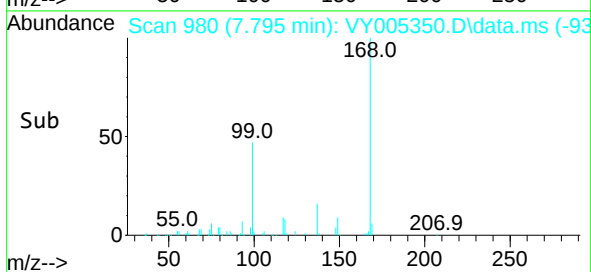
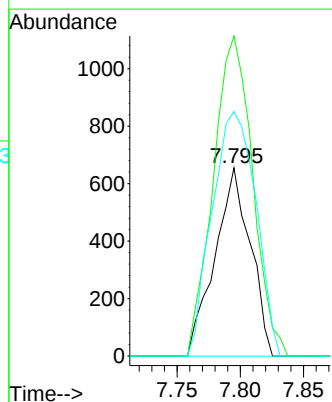
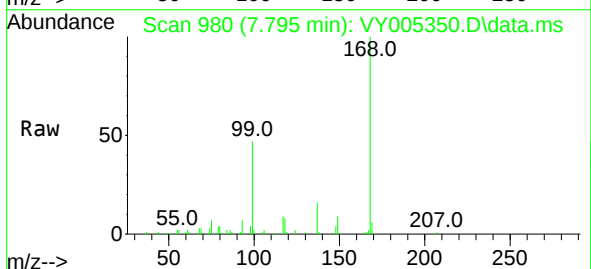
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

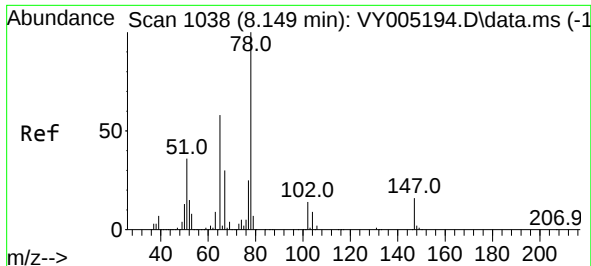
Tgt Ion: 43 Resp: 1040  
Ion Ratio Lower Upper  
43 100  
72 26.2 25.3 37.9



#31  
Cyclohexane  
Concen: 1.107 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

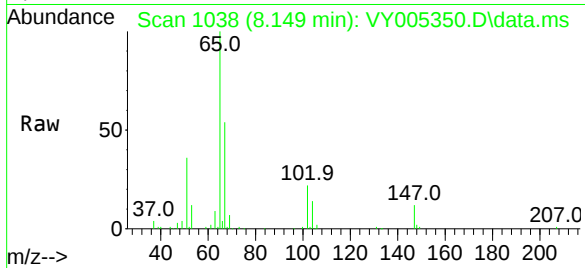
Tgt Ion: 56 Resp: 1274  
Ion Ratio Lower Upper  
56 100  
69 170.1 29.6 44.4#  
84 129.9 76.4 114.6#





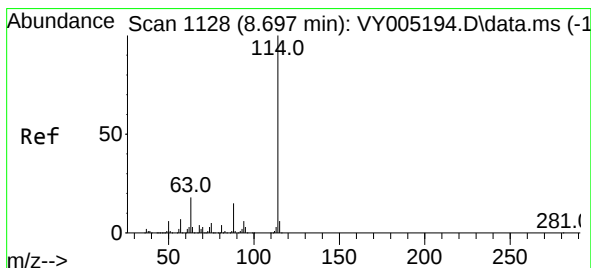
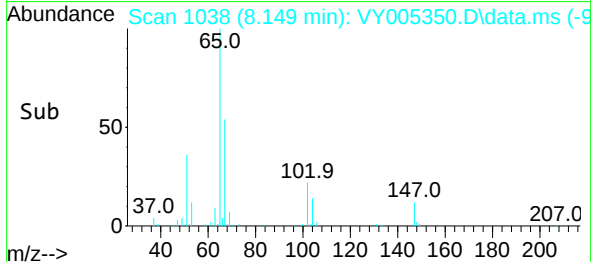
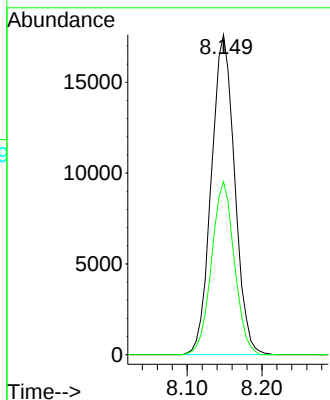
#33  
 1,2-Dichloroethane-d4  
 Concen: 59.359 ug/l  
 RT: 8.149 min Scan# 1038  
 Delta R.T. -0.000 min  
 Lab File: VY005350.D  
 Acq: 02 Jul 2021 18:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3



Tgt Ion: 65 Resp: 38264  

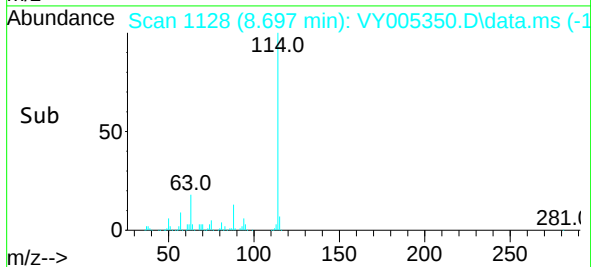
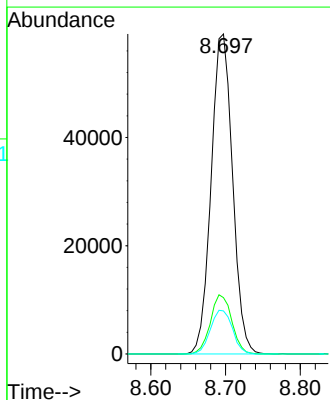
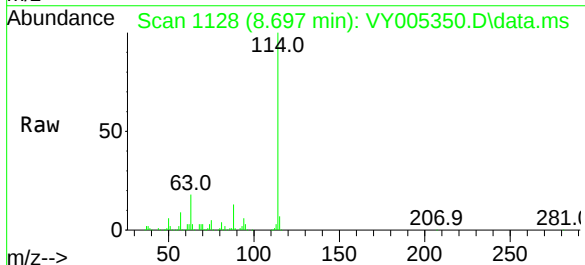
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.8  | 0.0   | 110.6 |

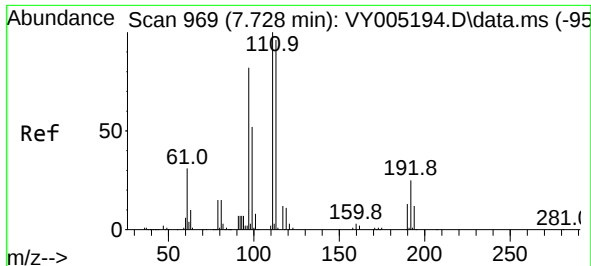


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. -0.000 min  
 Lab File: VY005350.D  
 Acq: 02 Jul 2021 18:38

Tgt Ion: 114 Resp: 117921  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 17.6  | 0.0   | 35.2  |
| 88  | 13.5  | 0.0   | 29.4  |

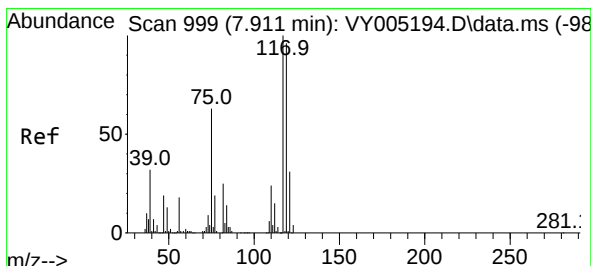
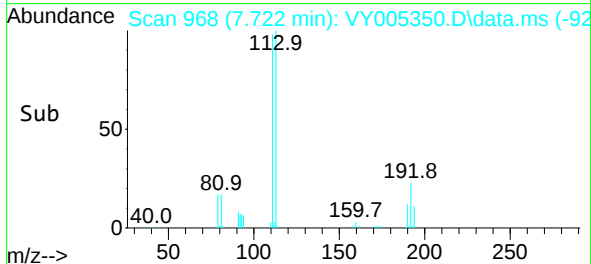
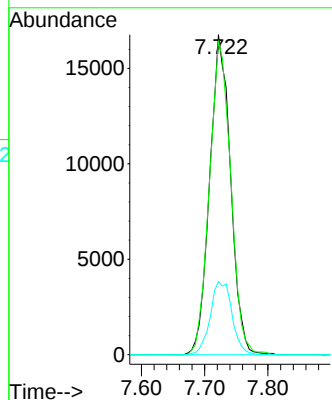
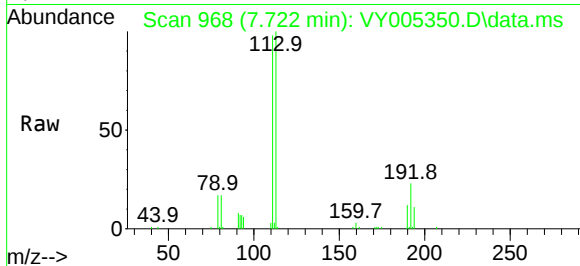




#35  
Dibromofluoromethane  
Concen: 55.212 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

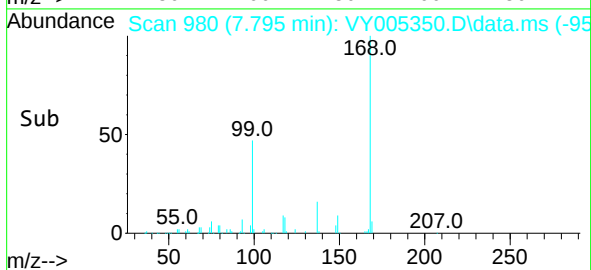
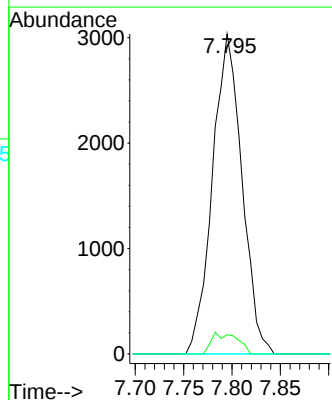
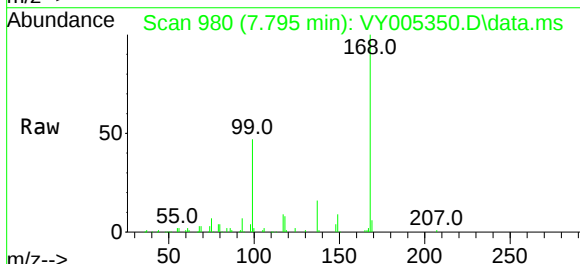
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

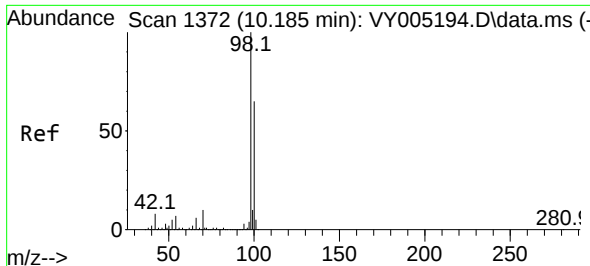
Tgt Ion:113 Resp: 38397  
Ion Ratio Lower Upper  
113 100  
111 99.9 82.6 124.0  
192 23.8 20.2 30.2



#38  
Carbon Tetrachloride  
Concen: 5.918 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

Tgt Ion:117 Resp: 6433  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.2 114.4#  
121 0.0 24.7 37.1#

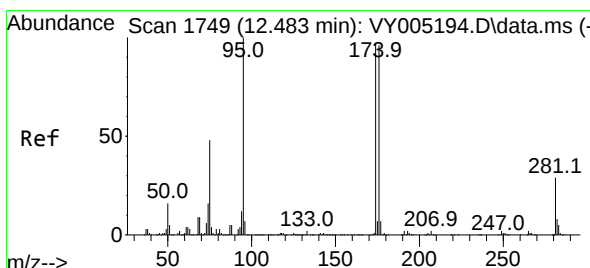
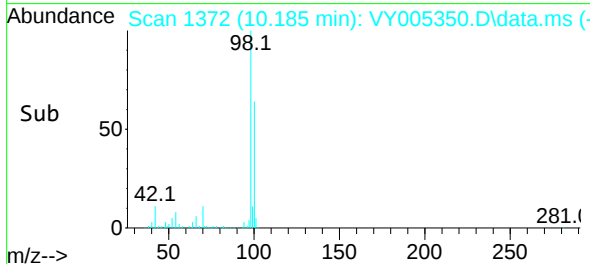
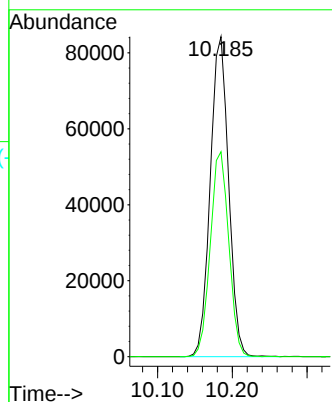
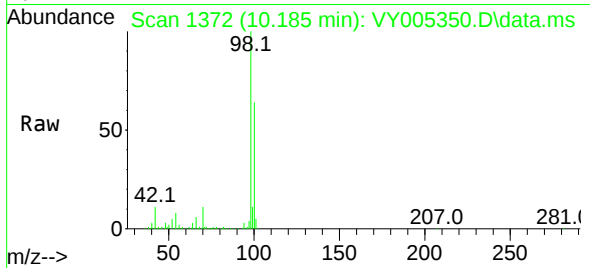




#50  
Toluene-d8  
Concen: 51.716 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

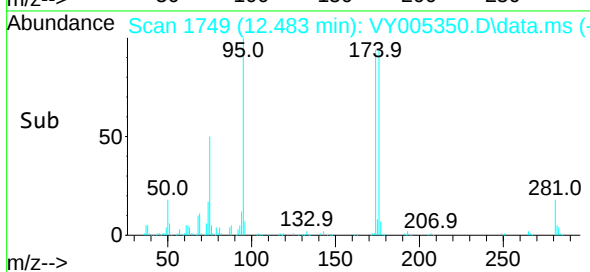
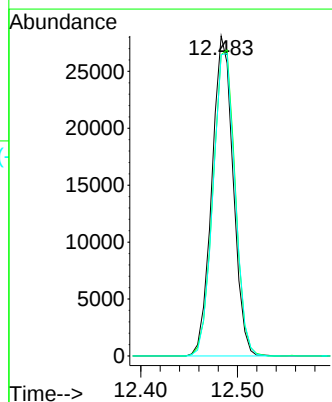
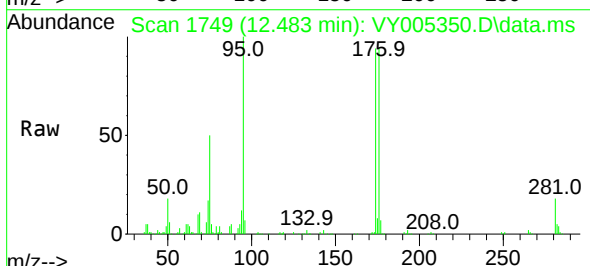
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-3

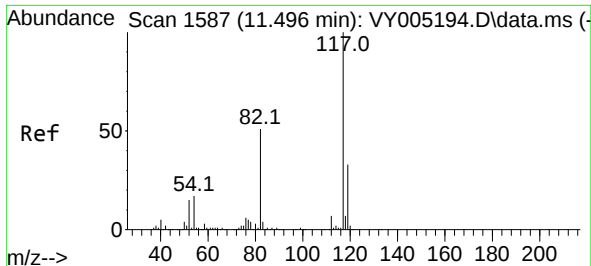
Tgt Ion: 98 Resp: 143831  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 46.220 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

Tgt Ion: 95 Resp: 42835  
Ion Ratio Lower Upper  
95 100  
174 99.2 0.0 201.6  
176 98.0 0.0 197.4

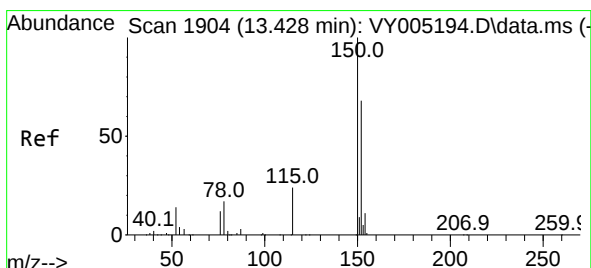
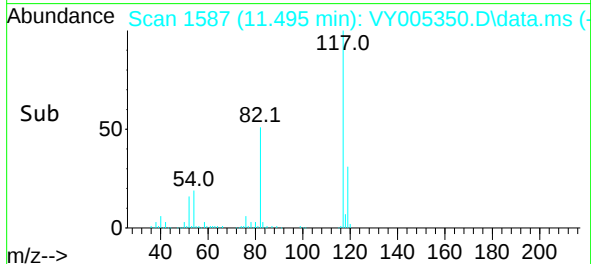
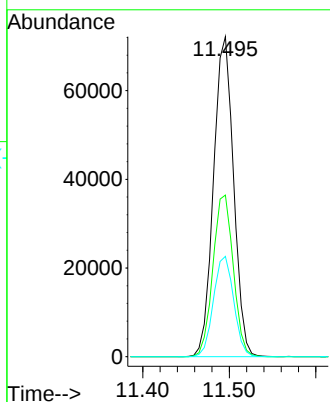
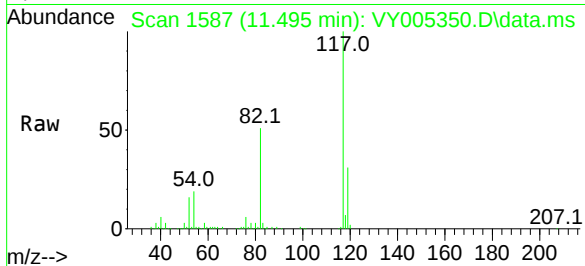




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

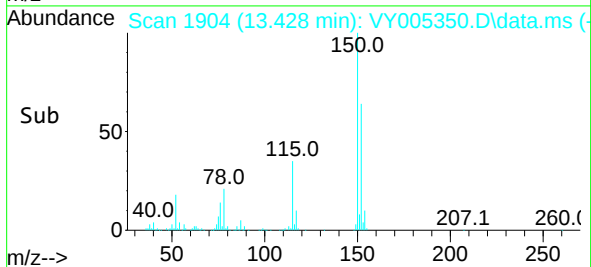
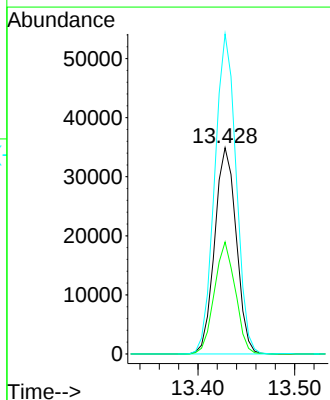
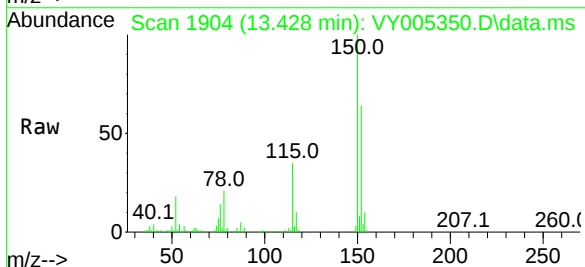
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

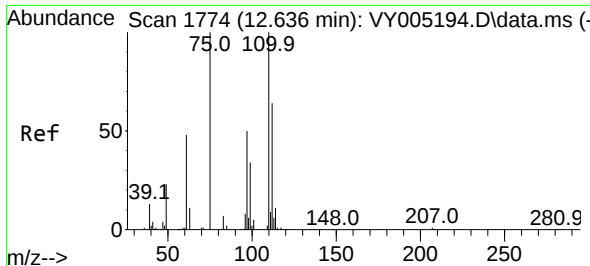
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 115994 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.5  | 40.6  | 60.8   |
| 119      | 31.3  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 54100 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 52.6  | 26.3  | 78.8  |
| 150      | 154.2 | 0.0   | 344.2 |

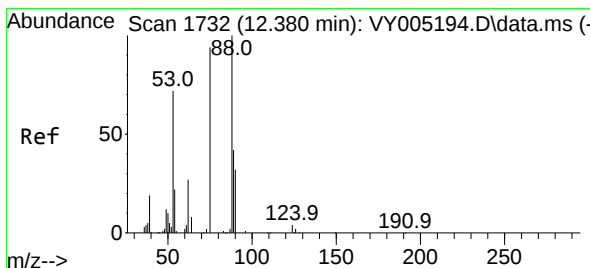
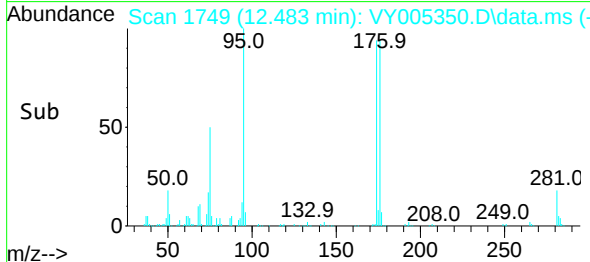
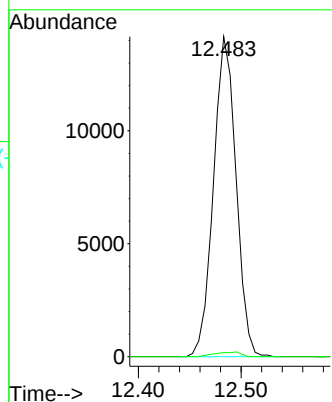
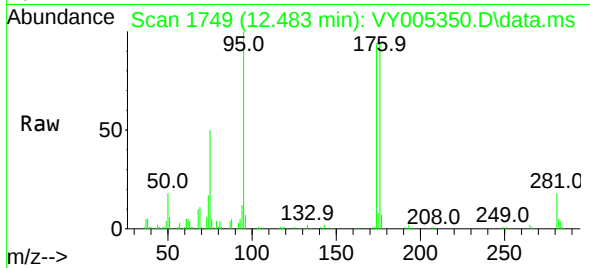




#76  
1,2,3-Trichloropropane  
Concen: 44.958 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-3

Tgt Ion: 75 Resp: 21571  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.881 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005350.D  
Acq: 02 Jul 2021 18:38

Tgt Ion: 75 Resp: 21571  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.0 94.4#  
89 0.2 38.0 57.0#

