

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041222\  
 Data File : VY008289.D  
 Acq On : 12 Apr 2022 15:46  
 Operator : KP/MD  
 Sample : N2340-01RE  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-04-14.5-15.0

Quant Time: Apr 13 08:13:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

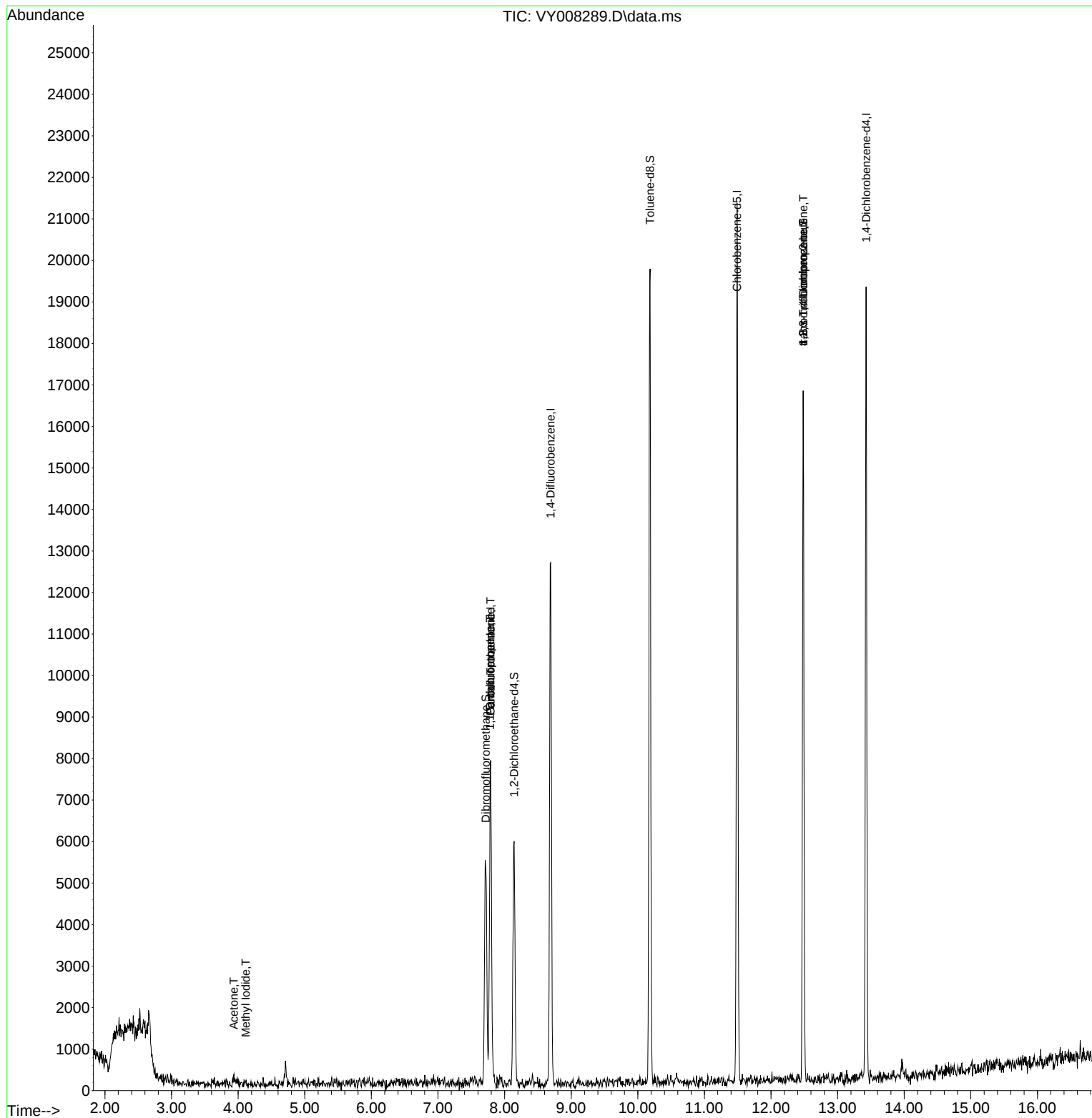
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 6279     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 11863    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 11708    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 4661     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 4624     | 78.399    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 156.800% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 4059     | 59.239    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 118.480% |
| 50) Toluene-d8                | 10.185 | 98    | 14473    | 61.730    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 123.460% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 5120     | 58.060    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 116.120% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.119  | 50    | 94       | Below Cal | #      | 44       |
| 5) Bromomethane               | 2.662  | 94    | 308      | Below Cal | #      | 72       |
| 10) Methyl Iodide             | 4.113  | 142   | 181      | 4.622     | ug/l # | 35       |
| 16) Acetone                   | 3.936  | 43    | 164      | 11.561    | ug/l # | 47       |
| 20) Methylene Chloride        | 4.710  | 84    | 313      | Below Cal | #      | 53       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 552      | 5.045     | ug/l # | 42       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 596      | 5.063     | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 2670     | 51.795    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 2670     | 115.889   | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

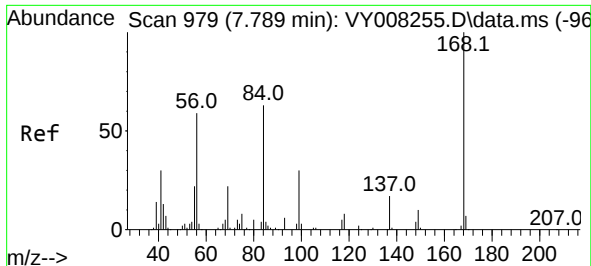
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-14.5-15.0

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

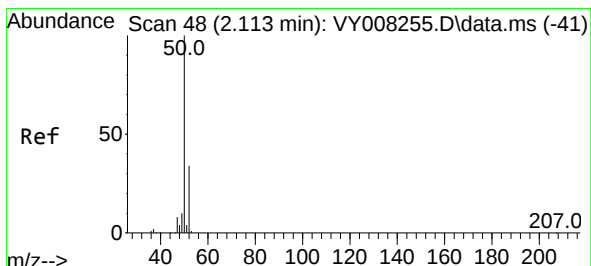
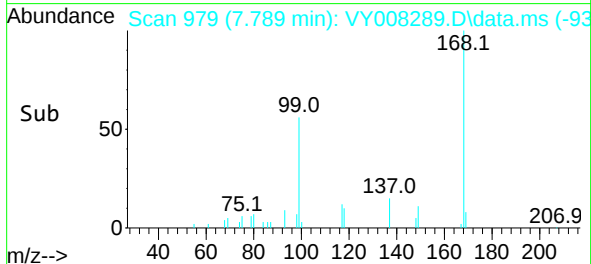
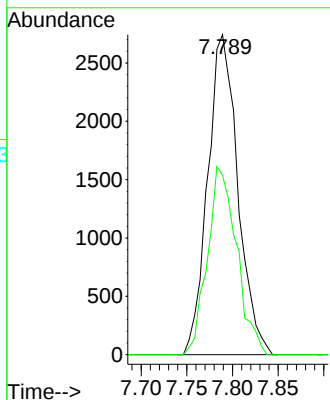
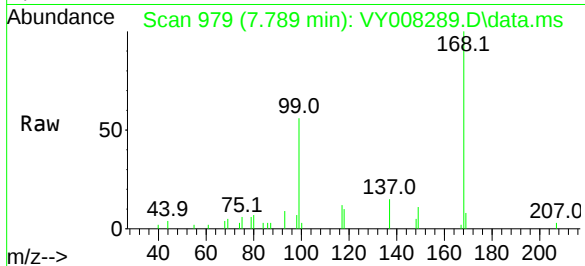




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

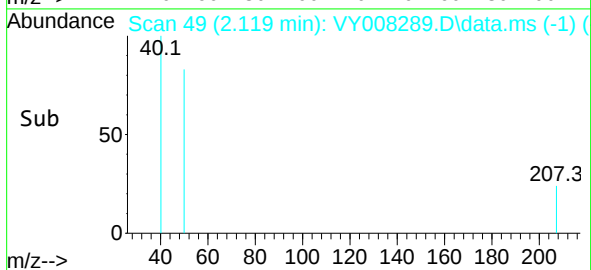
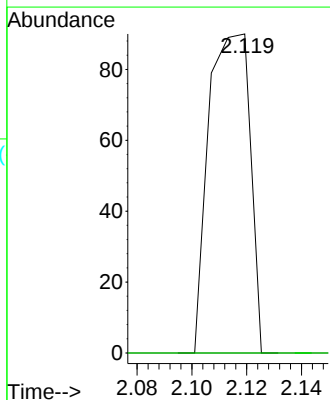
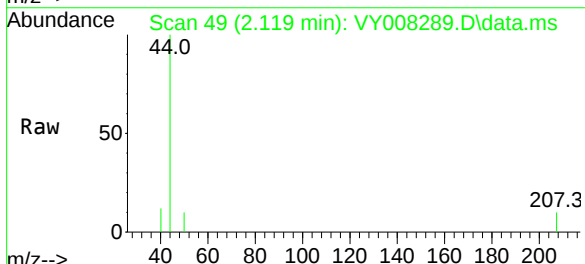
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-14.5-15.0

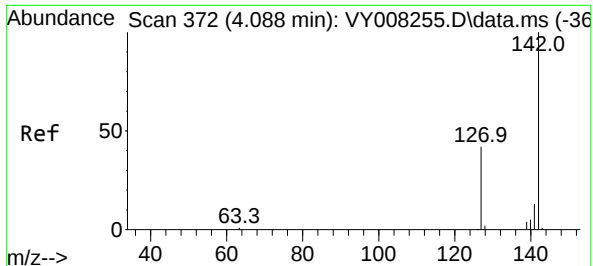
Tgt Ion:168 Resp: 6279  
Ion Ratio Lower Upper  
168 100  
99 56.1 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

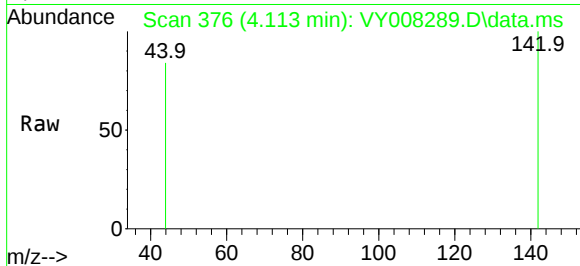
Tgt Ion: 50 Resp: 94  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#



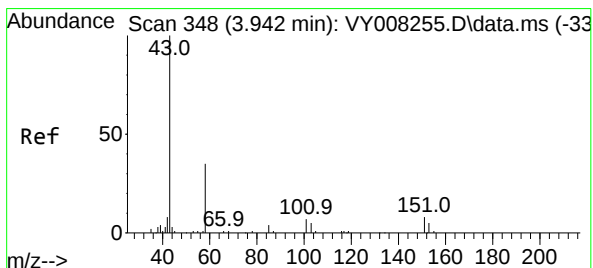
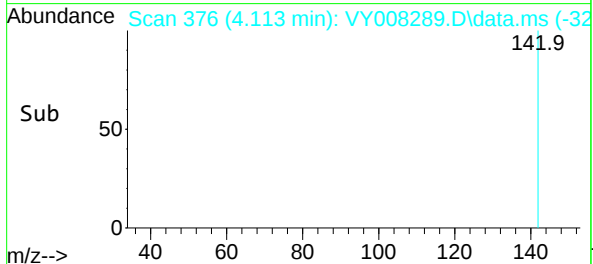
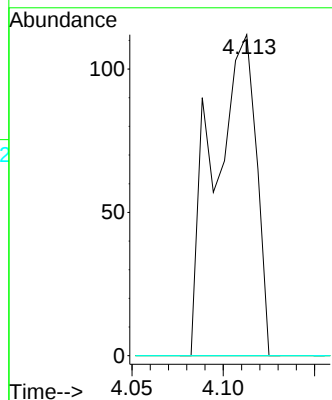


#10  
Methyl Iodide  
Concen: 4.622 ug/l  
RT: 4.113 min Scan# 31  
Delta R.T. 0.025 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-14.5-15.0

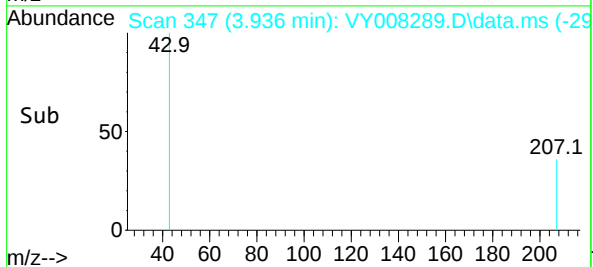
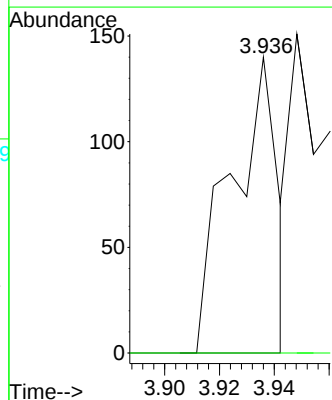
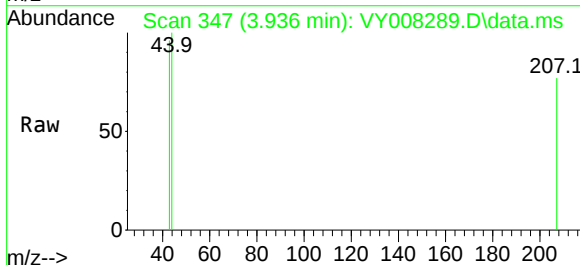


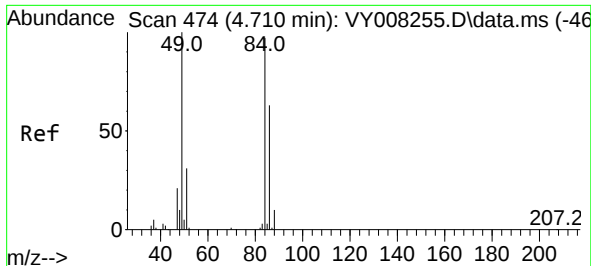
Tgt Ion:142 Resp: 181  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#



#16  
Acetone  
Concen: 11.561 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.006 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

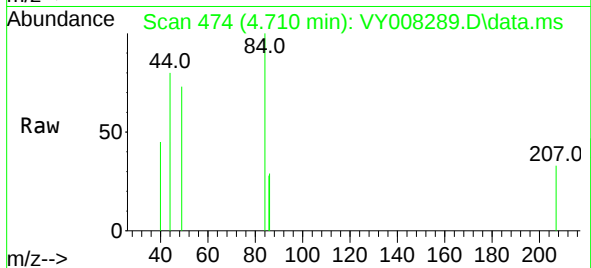
Tgt Ion: 43 Resp: 164  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



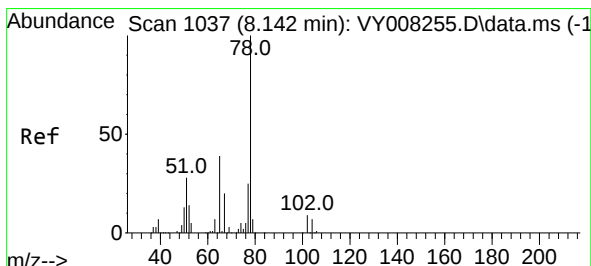
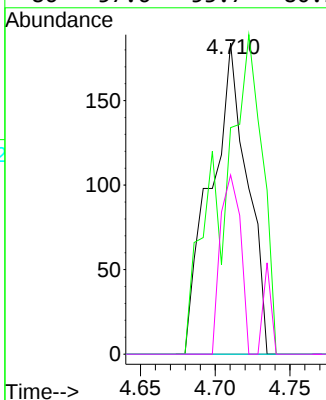
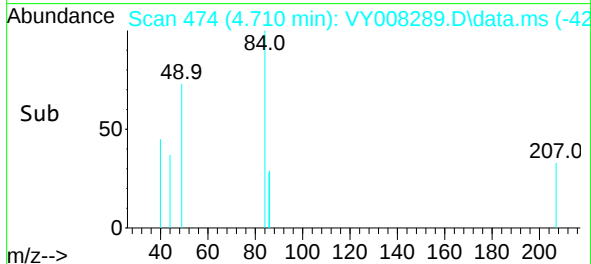


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

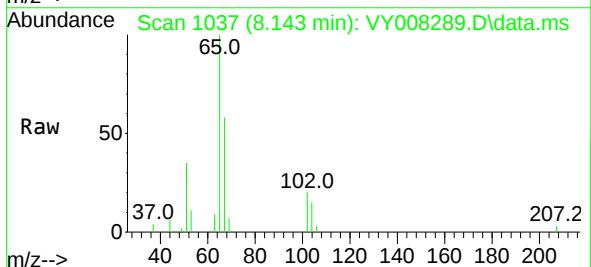
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-14.5-15.0



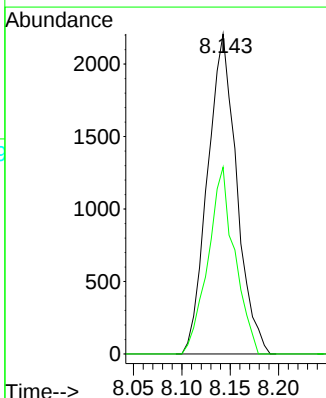
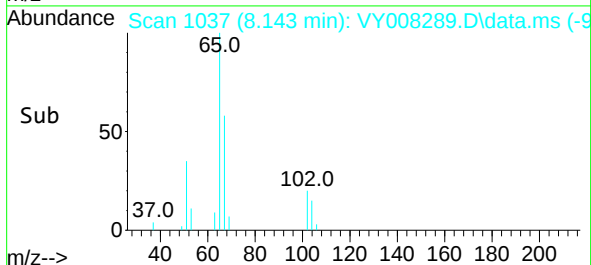
Tgt Ion: 84 Resp: 313  
Ion Ratio Lower Upper  
84 100  
49 72.8 114.4 171.6#  
51 0.0 35.3 52.9#  
86 57.6 53.7 80.5

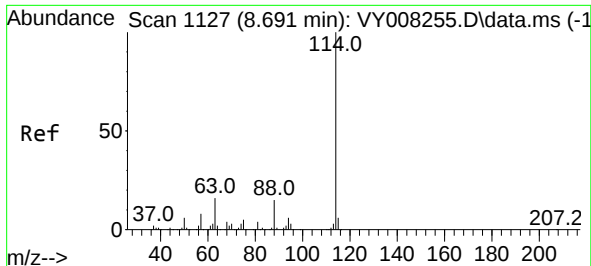


#33  
1,2-Dichloroethane-d4  
Concen: 78.399 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46



Tgt Ion: 65 Resp: 4624  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008289.D

Acq: 12 Apr 2022 15:46

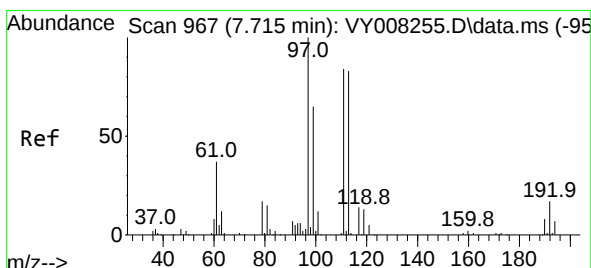
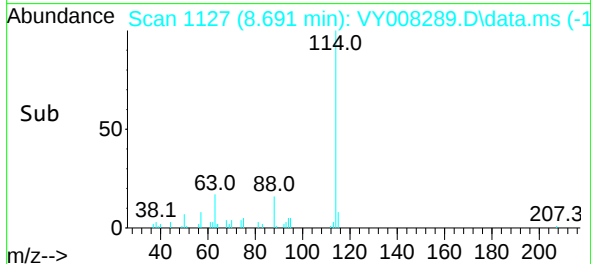
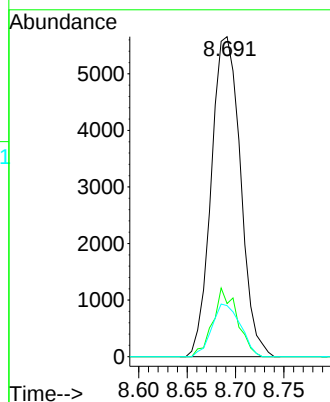
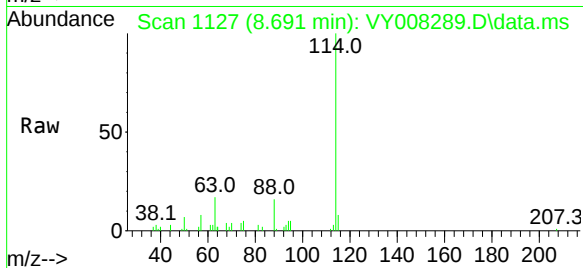
Instrument :

MSVOA\_Y

ClientSampleId :

SB-04-14.5-15.0

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 11863       |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 16.6  | 0.0 43.2    |
| 88          | 15.9  | 0.0 31.8    |



#35

Dibromofluoromethane

Concen: 59.239 ug/l

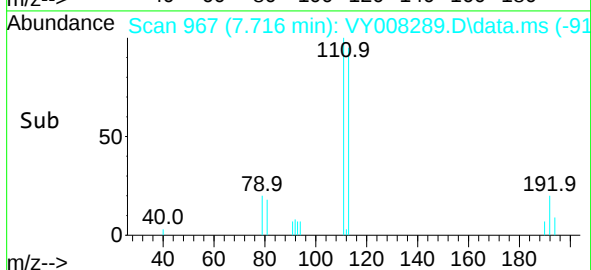
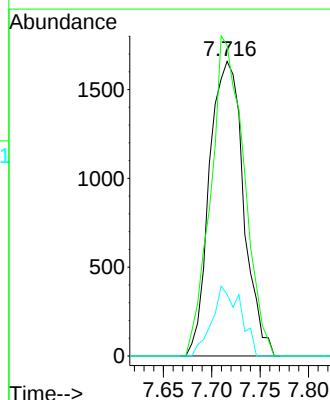
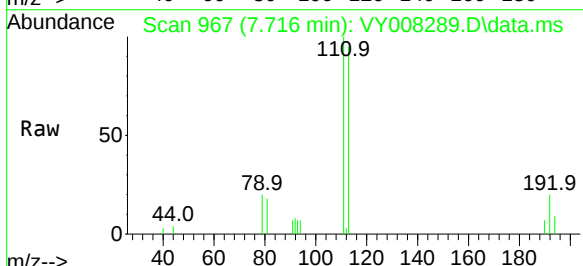
RT: 7.716 min Scan# 967

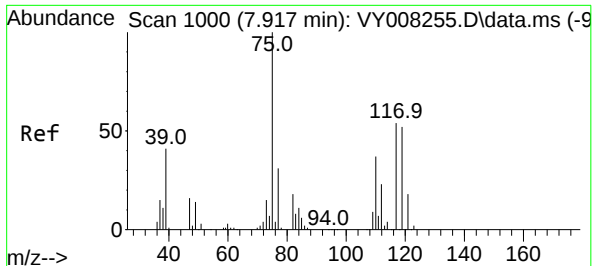
Delta R.T. 0.001 min

Lab File: VY008289.D

Acq: 12 Apr 2022 15:46

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 4059        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 106.2 | 82.6 124.0  |
| 192         | 20.0  | 17.6 26.4   |





#36

1,1-Dichloropropene

Concen: 5.045 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008289.D

Acq: 12 Apr 2022 15:46

Instrument :

MSVOA\_Y

ClientSampleId :

SB-04-14.5-15.0

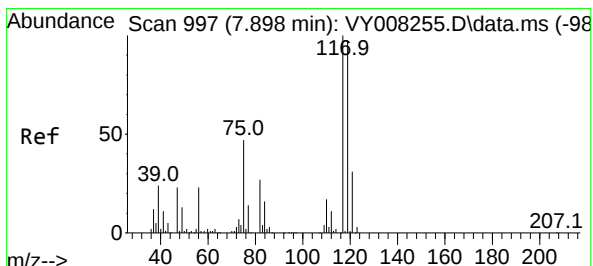
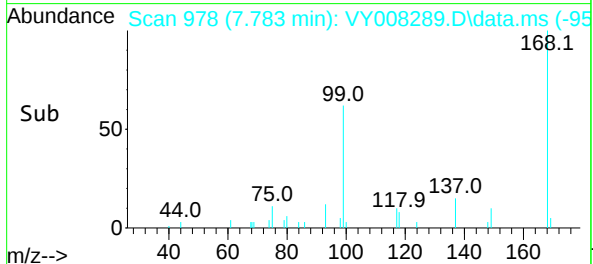
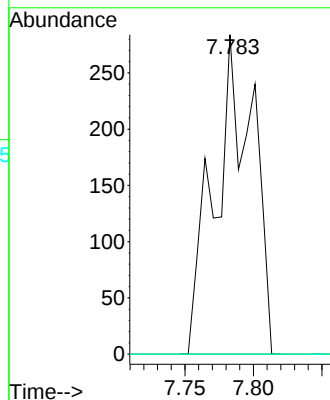
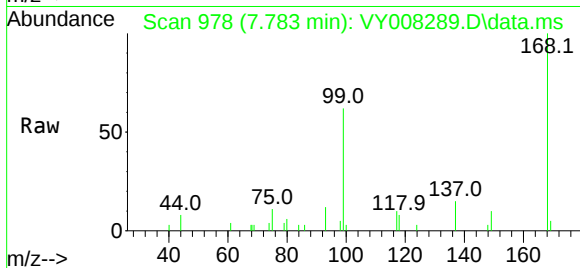
Tgt Ion: 75 Resp: 552

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.063 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008289.D

Acq: 12 Apr 2022 15:46

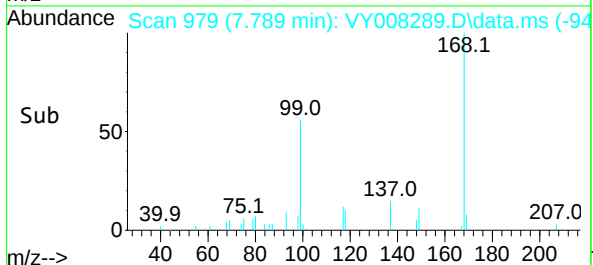
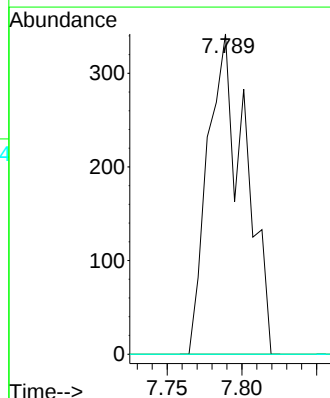
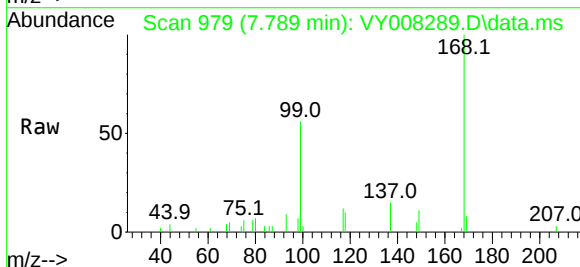
Tgt Ion: 117 Resp: 596

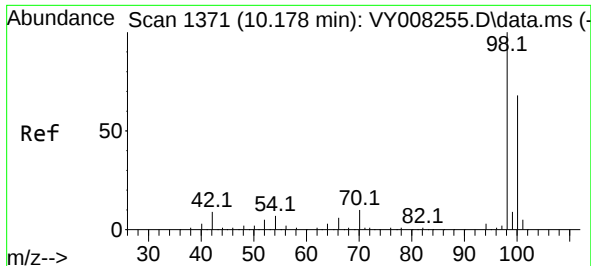
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

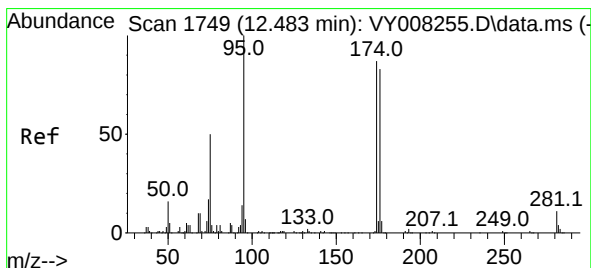
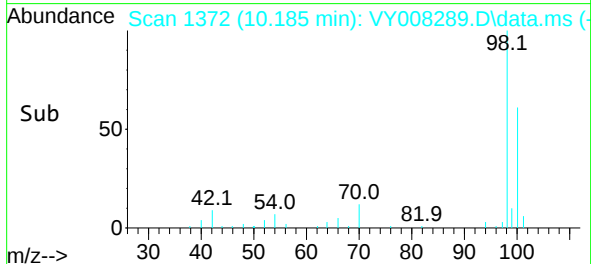
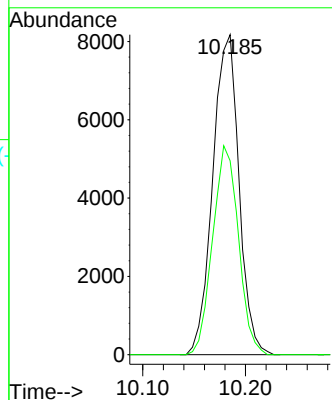
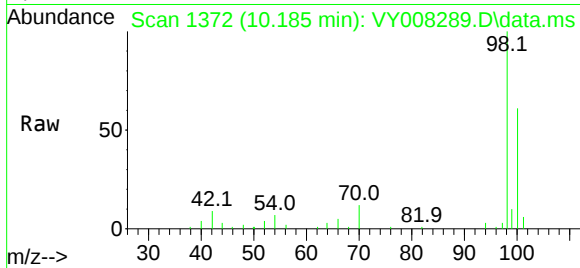




#50  
Toluene-d8  
Concen: 61.730 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

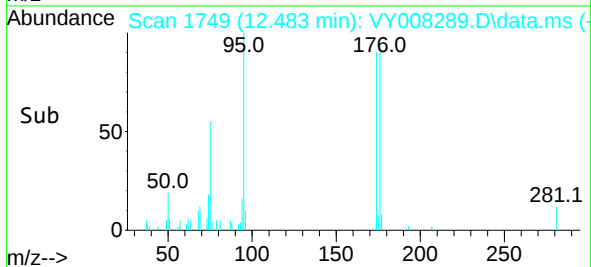
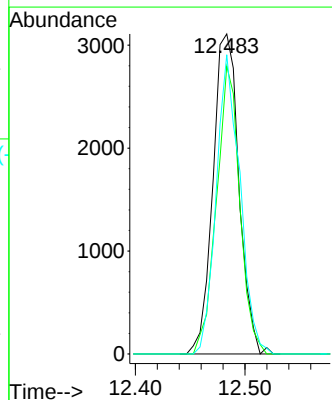
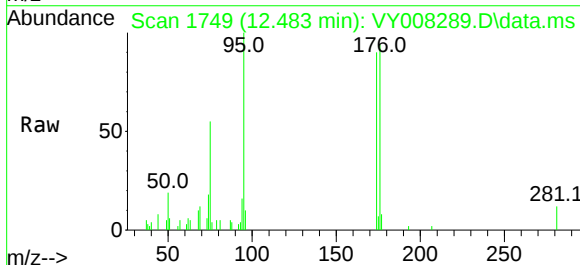
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-14.5-15.0

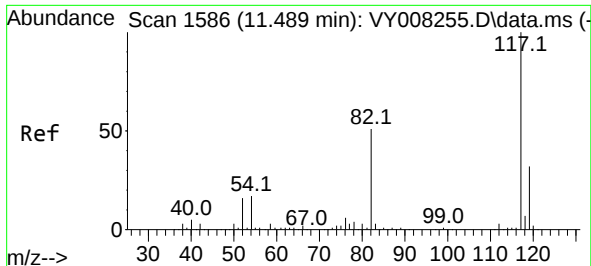
Tgt Ion: 98 Resp: 14473  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 58.060 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

Tgt Ion: 95 Resp: 5120  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 177.0  
176 85.2 0.0 175.8

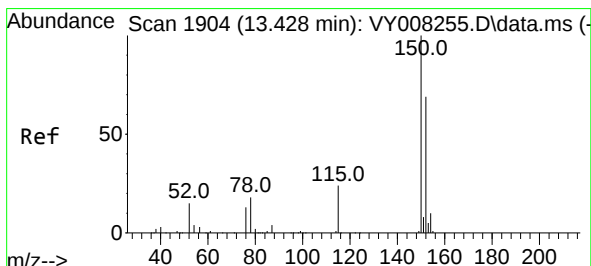
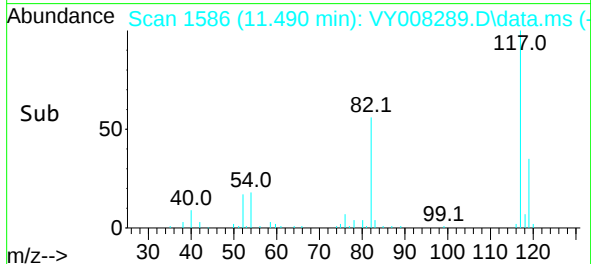
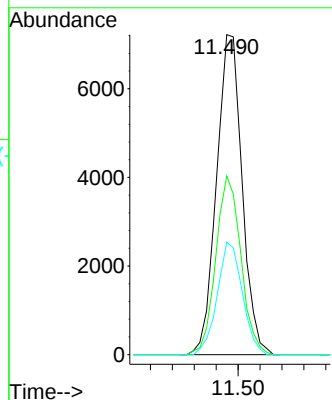
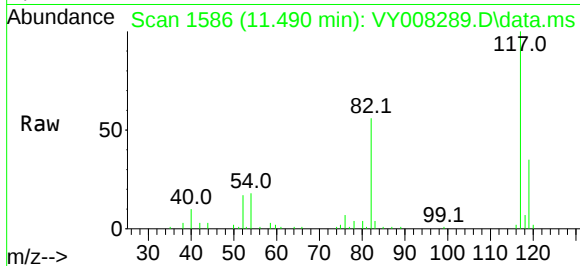




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11708  
Delta R.T. 0.001 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

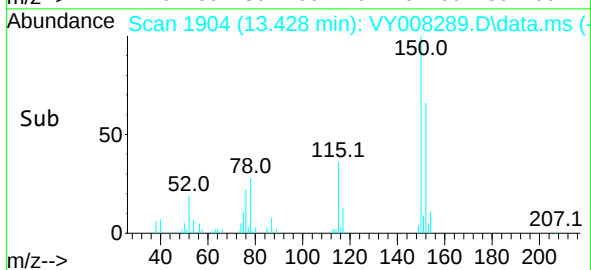
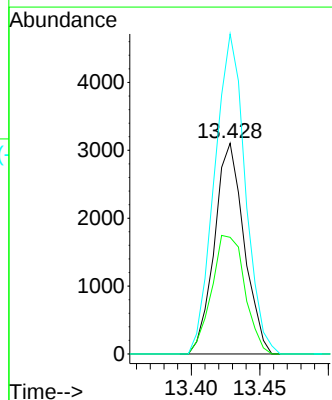
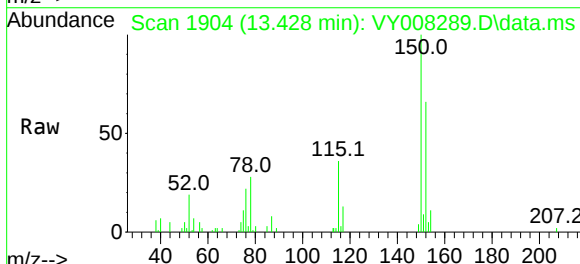
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-14.5-15.0

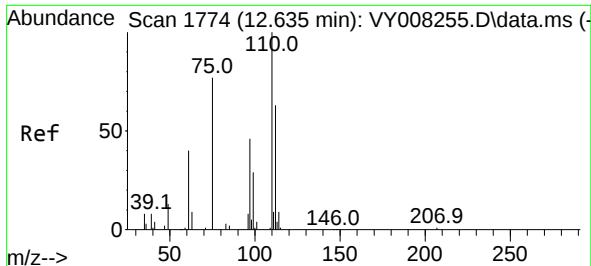
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 11708 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.9  | 43.0  | 64.4  |
| 119      | 35.2  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008289.D  
Acq: 12 Apr 2022 15:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 4661  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 63.0  | 28.2  | 84.7  |
| 150      | 157.6 | 0.0   | 347.6 |

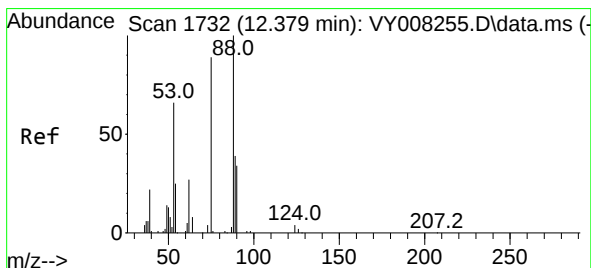
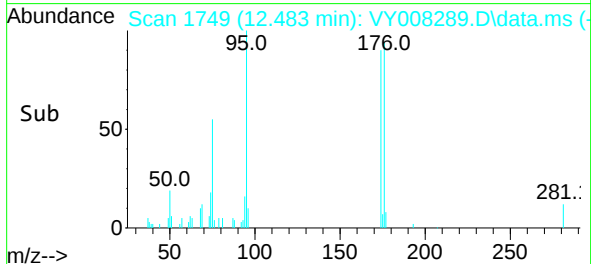
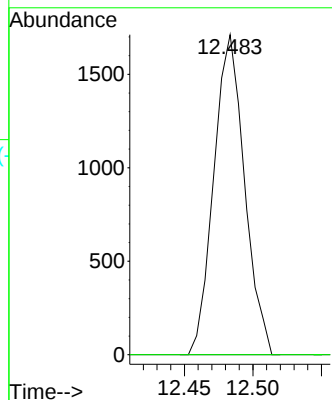
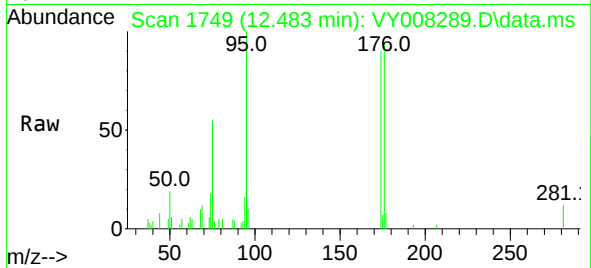




#76  
 1,2,3-Trichloropropane  
 Concen: 51.795 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY008289.D  
 Acq: 12 Apr 2022 15:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-04-14.5-15.0

Tgt Ion: 75 Resp: 2670  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 115.889 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY008289.D  
 Acq: 12 Apr 2022 15:46

Tgt Ion: 75 Resp: 2670  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

