

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090222\  
 Data File : VY010282.D  
 Acq On : 02 Sep 2022 16:31  
 Operator : KP/MD  
 Sample : N4433-04  
 Misc : 3.17g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-BLIND-DUPLICATE

Quant Time: Sep 02 16:50:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 16:41:46 2022  
 Response via : Initial Calibration

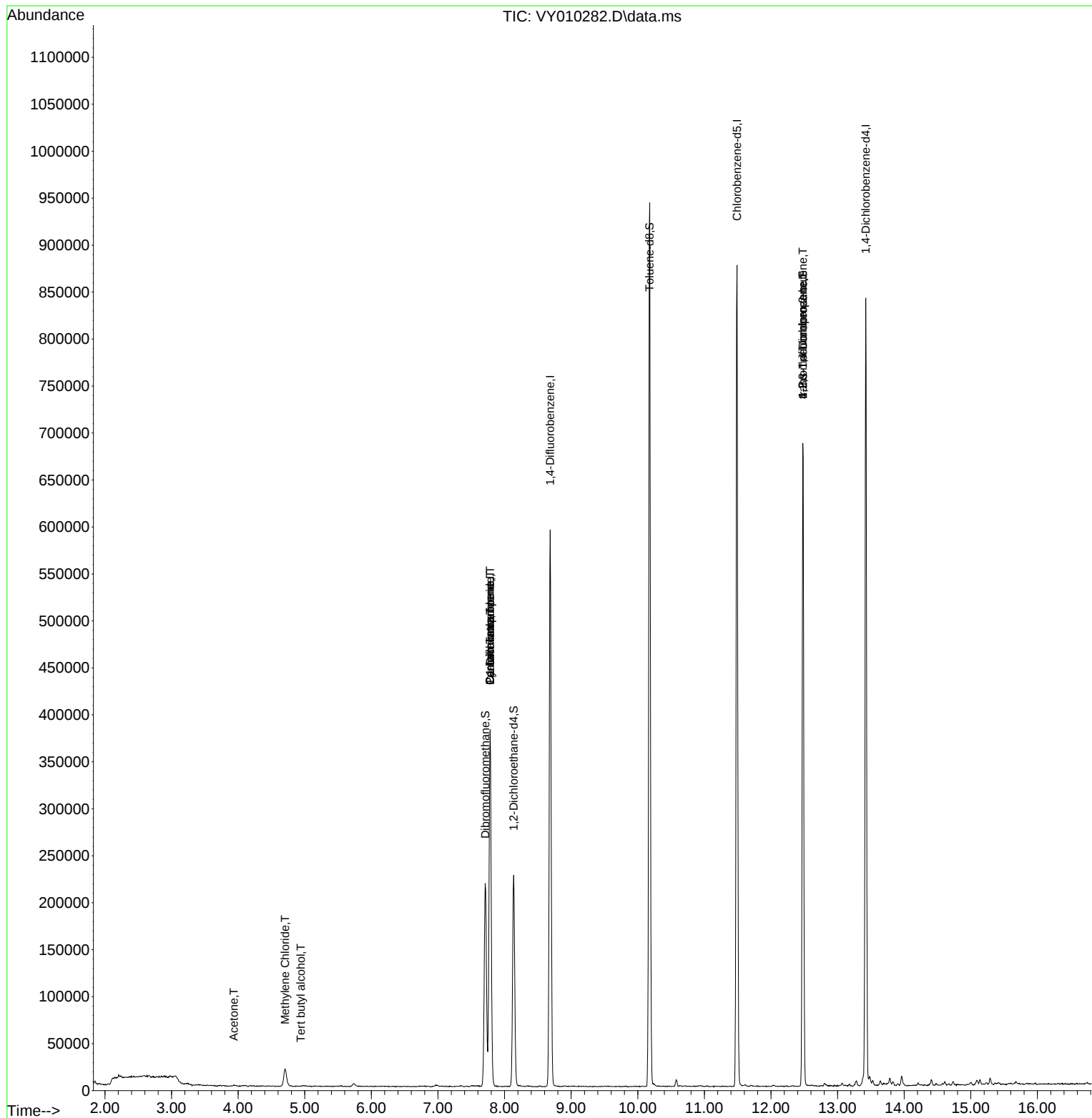
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 298551   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 512241   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 480424   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 217804   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137     | 65    | 175110   | 57.201    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =      | 114.400% |
| 35) Dibromofluoromethane      | 7.710     | 113   | 155773   | 45.680    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =      | 91.360%  |
| 50) Toluene-d8                | 10.179    | 98    | 618760   | 54.196    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | =      | 108.400% |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 218713   | 47.521    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | =      | 95.040%  |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           |        | Qvalue   |
| 5) Bromomethane               | 2.650     | 94    | 908      | Below Cal | #      | 47       |
| 11) Tert butyl alcohol        | 4.942     | 59    | 1358     | 3.708     | ug/l # | 88       |
| 16) Acetone                   | 3.936     | 43    | 1438     | 1.879     | ug/l   | 95       |
| 20) Methylene Chloride        | 4.704     | 84    | 13357    | 3.617     | ug/l   | 89       |
| 31) Cyclohexane               | 7.783     | 56    | 6112     | 1.023     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 22868    | 4.571     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 28697    | 5.565     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 110541   | 42.648    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 110541   | 88.968    | ug/l # | 7        |
| -----                         |           |       |          |           |        |          |

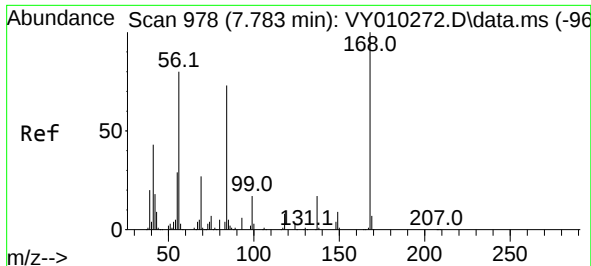
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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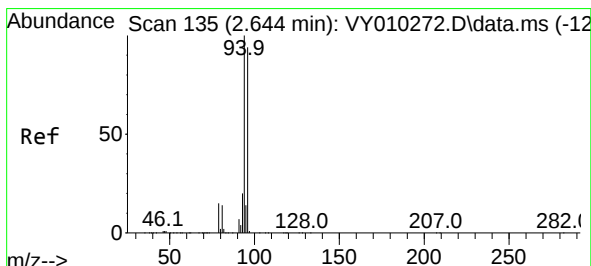
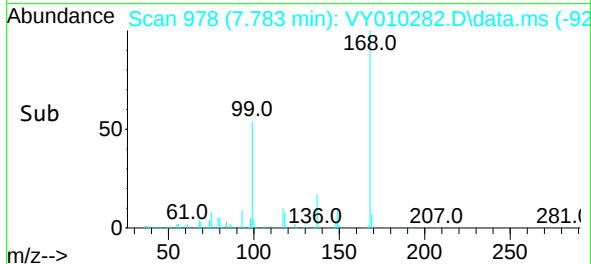
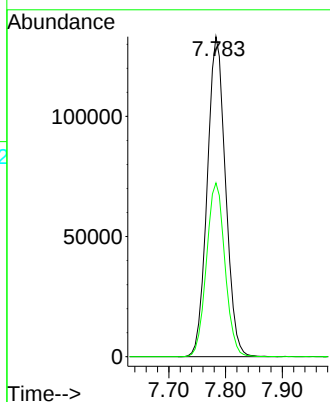
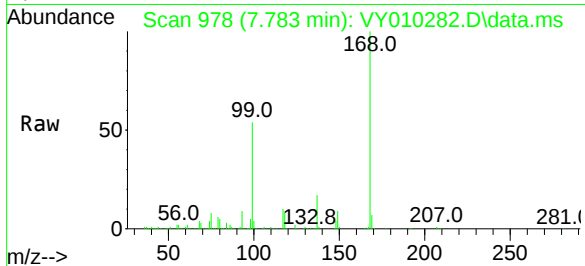




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

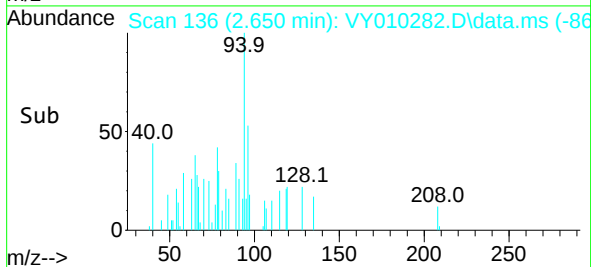
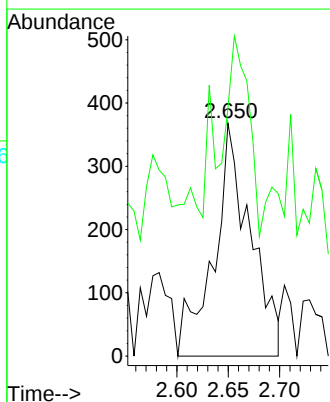
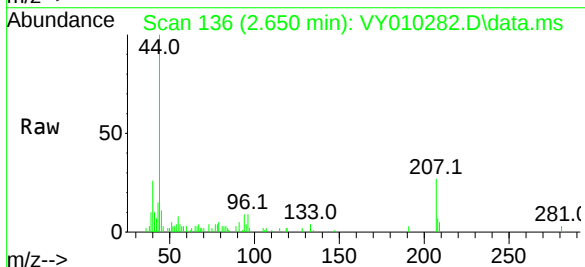
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EP-BLIND-DUPLICATE

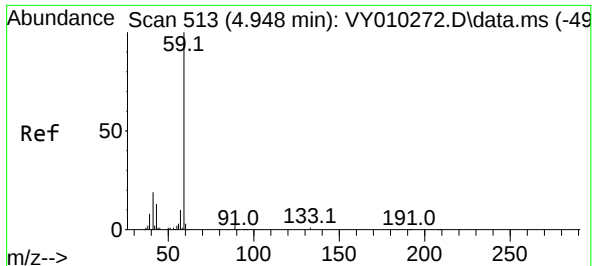
Tgt Ion:168 Resp: 298551  
Ion Ratio Lower Upper  
168 100  
99 54.3 46.9 70.3



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.650 min Scan# 136  
Delta R.T. 0.006 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

Tgt Ion: 94 Resp: 908  
Ion Ratio Lower Upper  
94 100  
96 41.6 73.5 110.3#





#11

Tert butyl alcohol

Concen: 3.708 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010282.D

Acq: 02 Sep 2022 16:31

Instrument :

MSVOA\_Y

ClientSampleId :

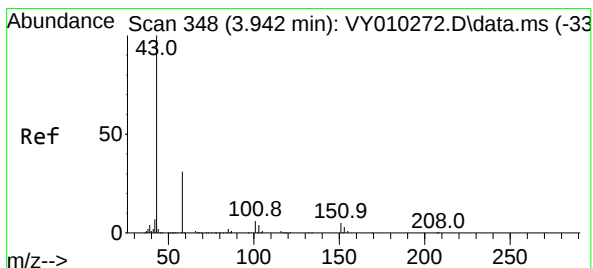
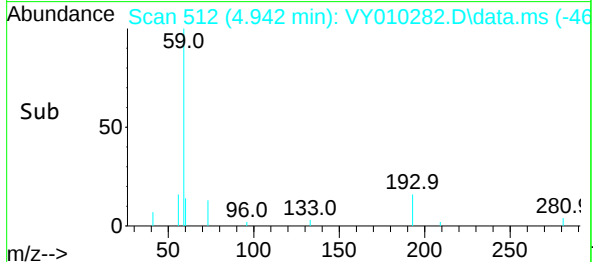
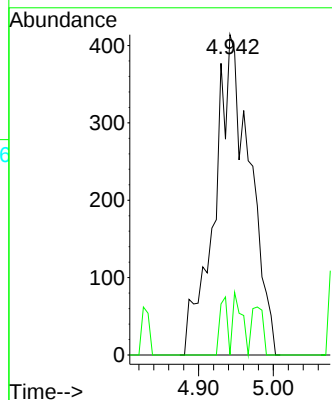
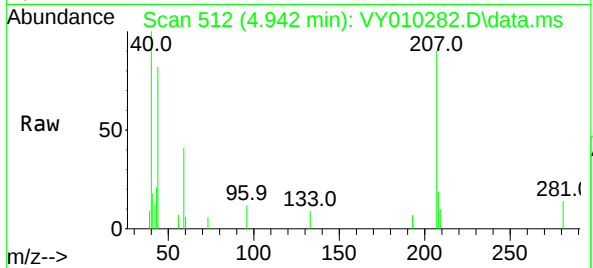
EP-BLIND-DUPLICATE

Tgt Ion: 59 Resp: 1358

Ion Ratio Lower Upper

59 100

57 3.8 6.4 9.6#



#16

Acetone

Concen: 1.879 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.006 min

Lab File: VY010282.D

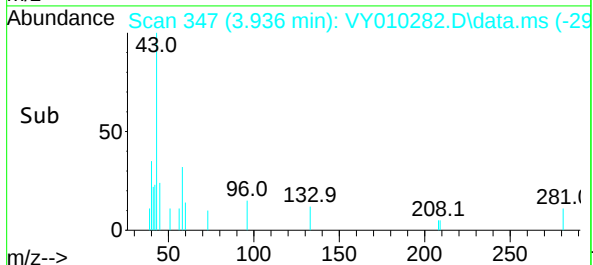
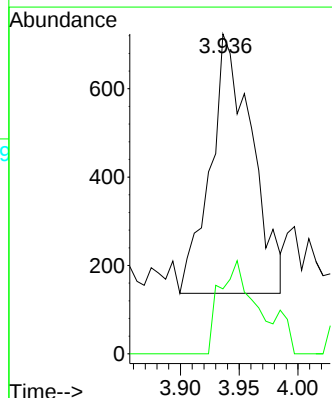
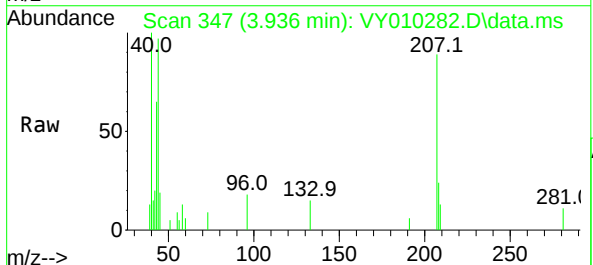
Acq: 02 Sep 2022 16:31

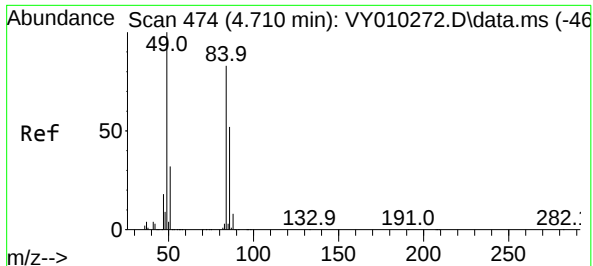
Tgt Ion: 43 Resp: 1438

Ion Ratio Lower Upper

43 100

58 25.0 22.0 33.0

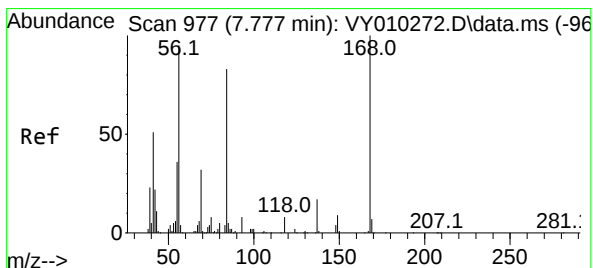
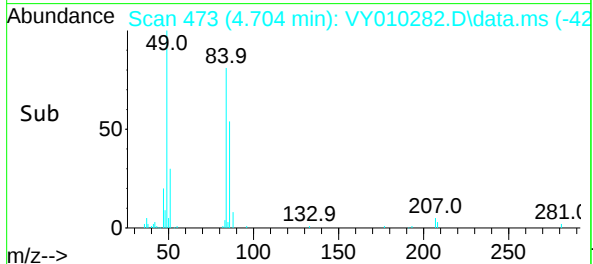
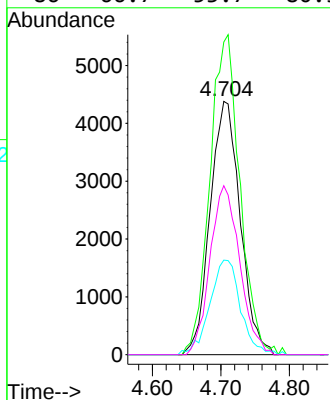
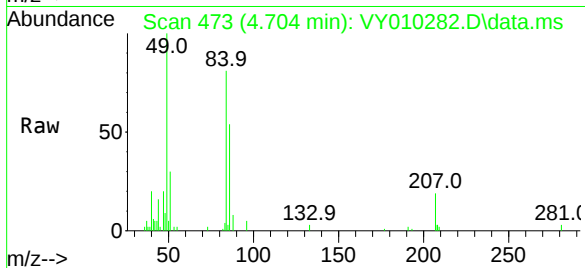




#20  
Methylene Chloride  
Concen: 3.617 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

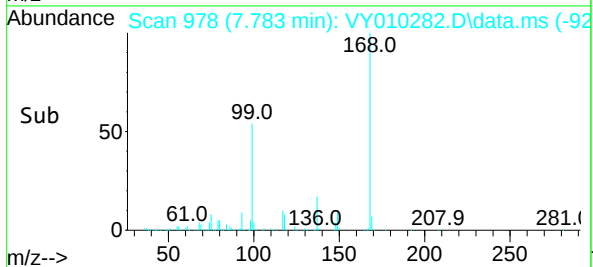
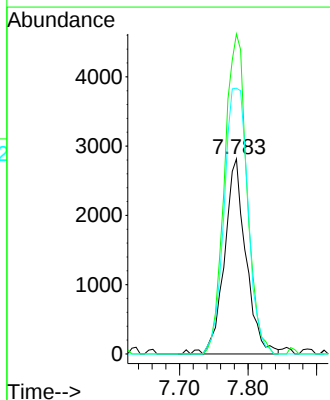
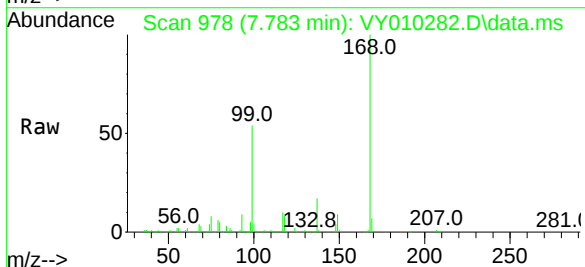
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EP-BLIND-DUPLICATE

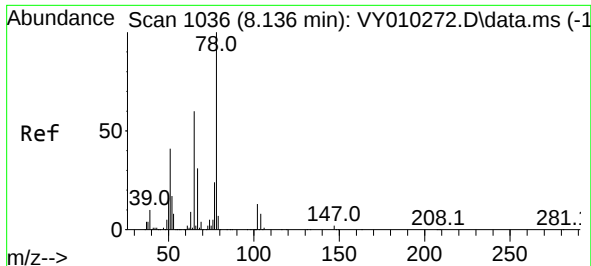
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13357 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.4 | 114.4 | 171.6 |
| 51       | 37.3  | 35.3  | 52.9  |
| 86       | 66.7  | 53.7  | 80.5  |



#31  
Cyclohexane  
Concen: 1.023 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. 0.006 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 6112   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 164.1 | 26.7  | 40.1#  |
| 84       | 136.3 | 67.2  | 100.8# |





#33

1,2-Dichloroethane-d4

Concen: 57.201 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010282.D

Acq: 02 Sep 2022 16:31

Instrument :

MSVOA\_Y

ClientSampleId :

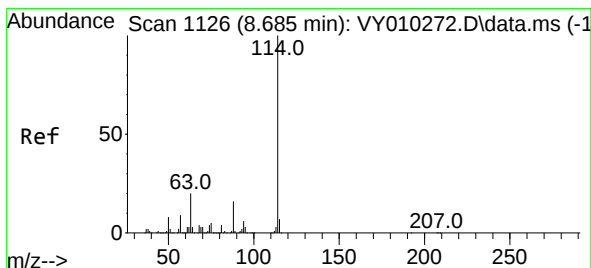
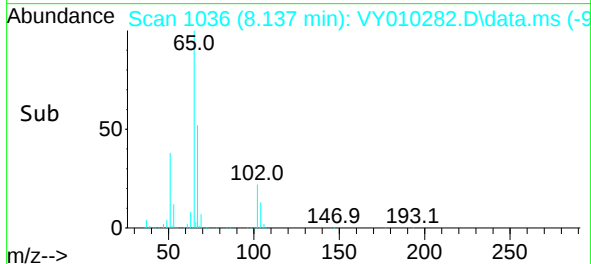
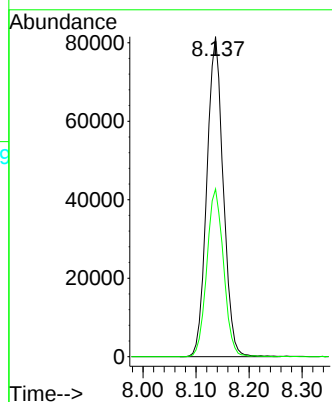
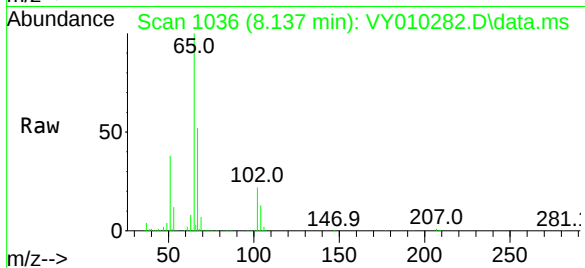
EP-BLIND-DUPLICATE

Tgt Ion: 65 Resp: 175110

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010282.D

Acq: 02 Sep 2022 16:31

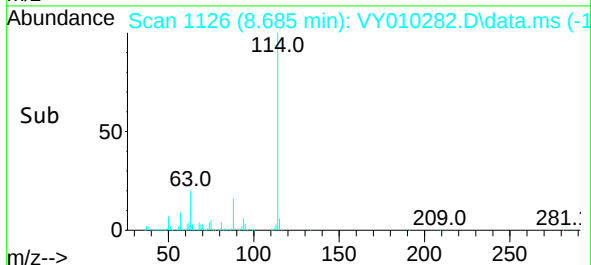
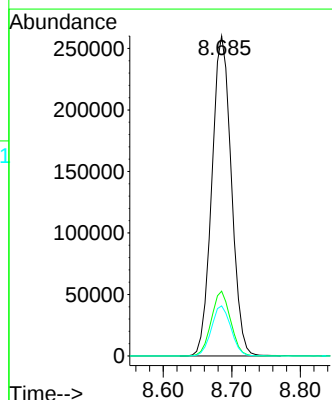
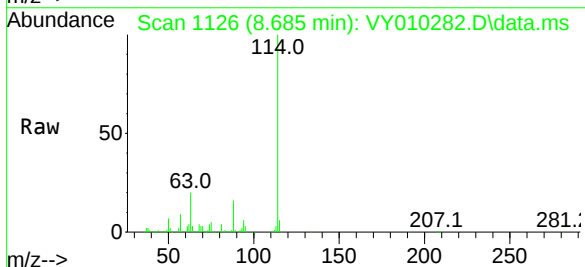
Tgt Ion: 114 Resp: 512241

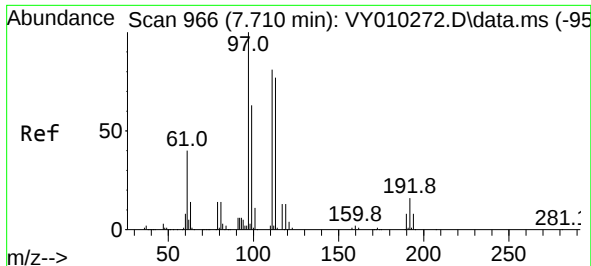
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.7 0.0 31.8

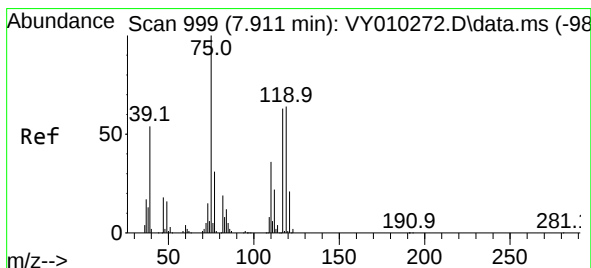
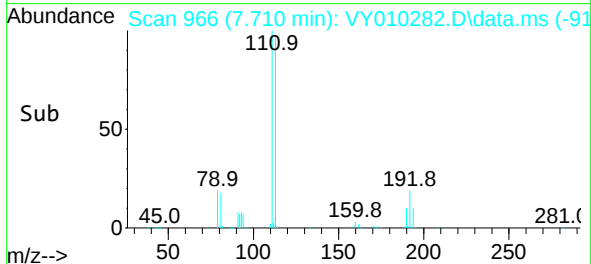
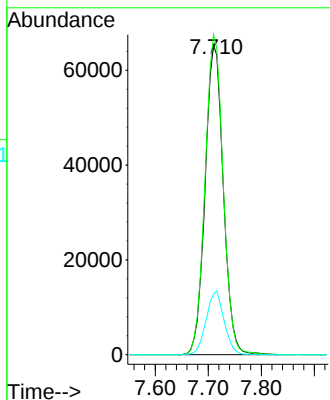
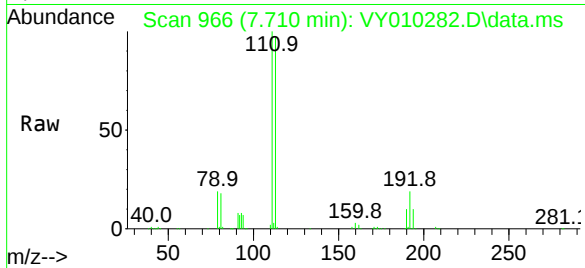




#35  
Dibromofluoromethane  
Concen: 45.680 ug/l  
RT: 7.710 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

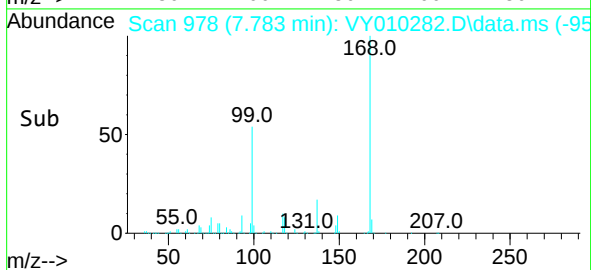
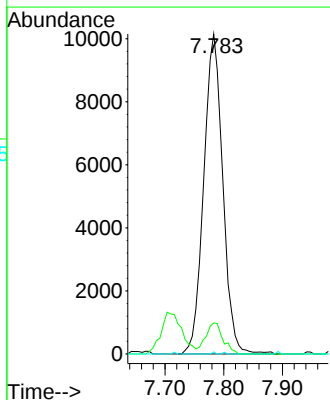
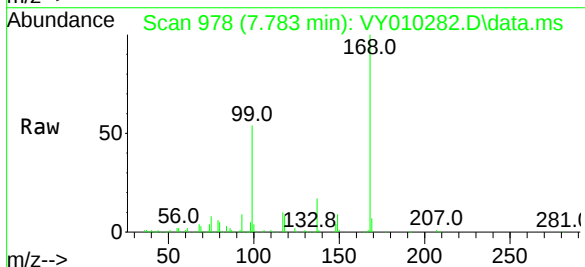
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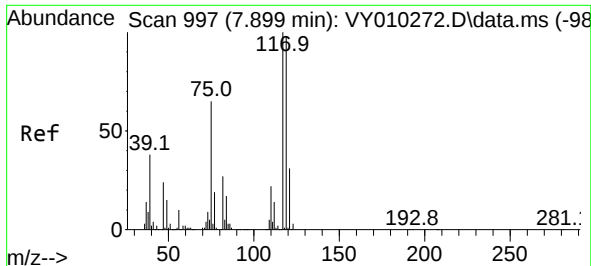
Tgt Ion:113 Resp: 155773  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.6 124.0  
192 20.2 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.571 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

Tgt Ion: 75 Resp: 22868  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.1 51.2#  
77 0.1 24.4 36.6#

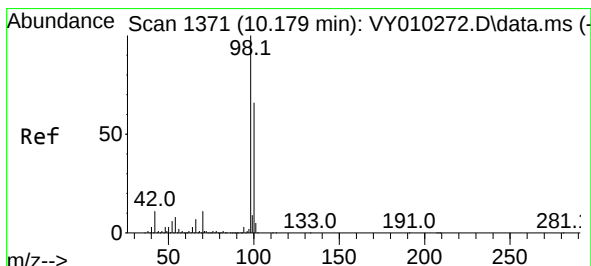
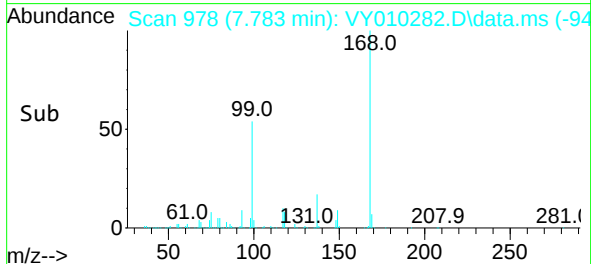
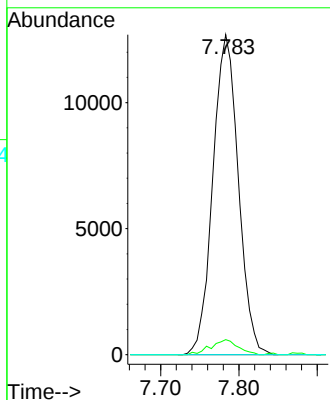
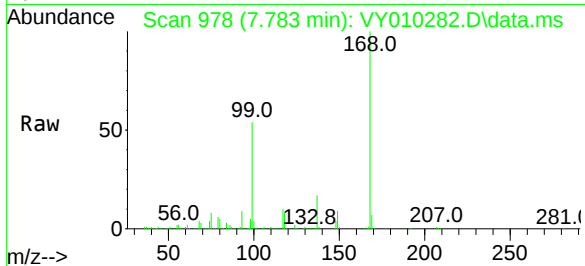




#38  
Carbon Tetrachloride  
Concen: 5.565 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

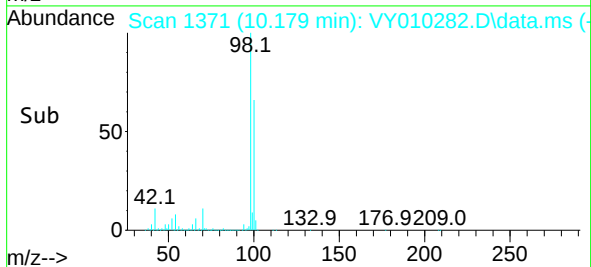
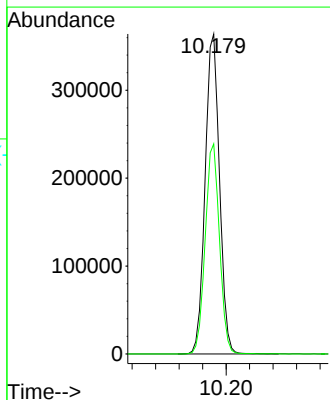
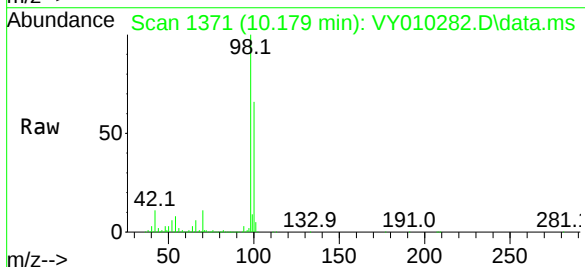
Instrument :  
MSVOA\_Y  
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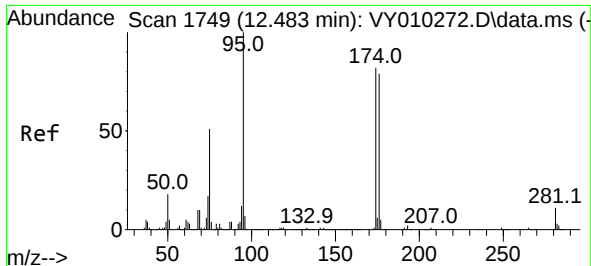
Tgt Ion:117 Resp: 28697  
Ion Ratio Lower Upper  
117 100  
119 4.7 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 54.196 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

Tgt Ion: 98 Resp: 618760  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2

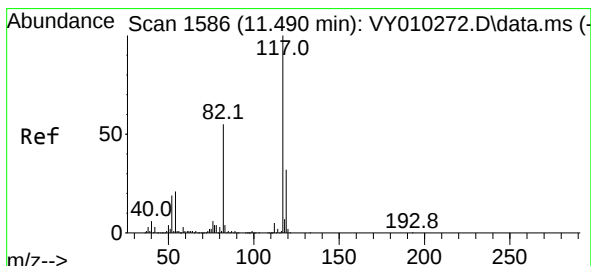
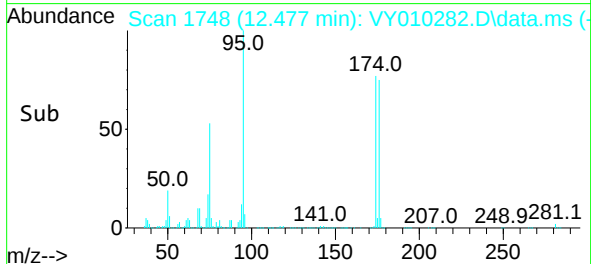
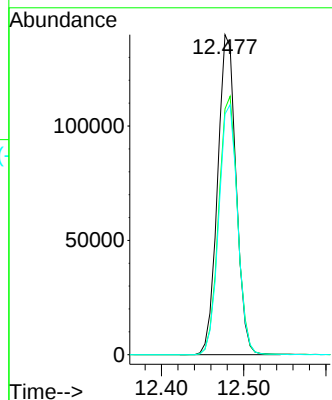
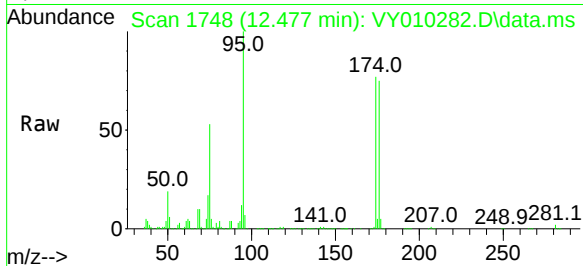




#62  
4-Bromofluorobenzene  
Concen: 47.521 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

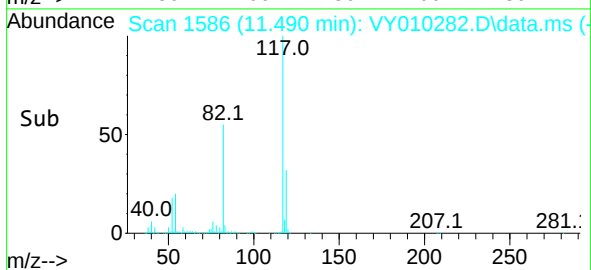
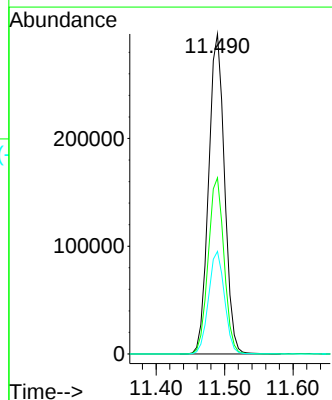
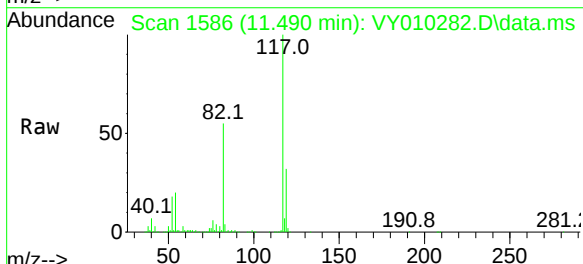
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EP-BLIND-DUPLICATE

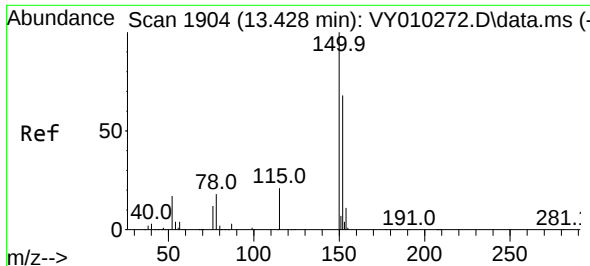
Tgt Ion: 95 Resp: 218713  
Ion Ratio Lower Upper  
95 100  
174 82.0 0.0 177.0  
176 79.5 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY010282.D  
Acq: 02 Sep 2022 16:31

Tgt Ion: 117 Resp: 480424  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.0 64.4  
119 32.0 25.4 38.0

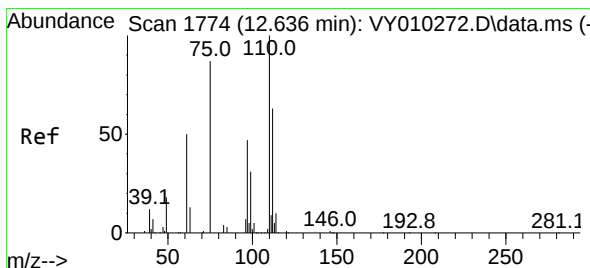
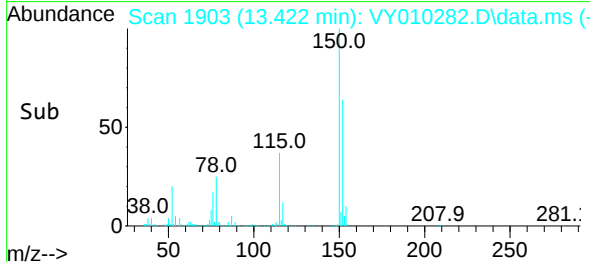
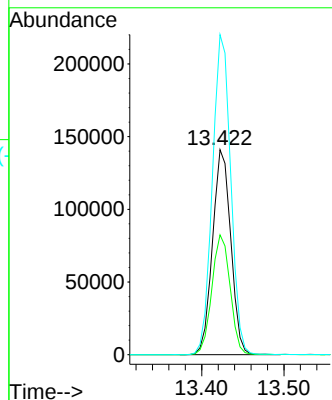
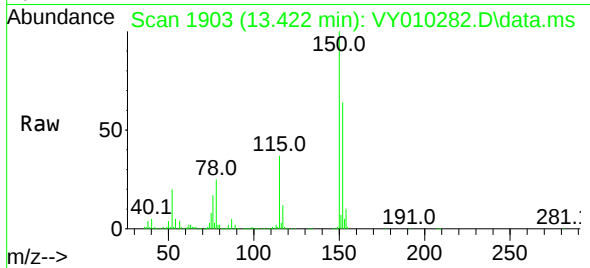




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: VY010282.D  
 Acq: 02 Sep 2022 16:31

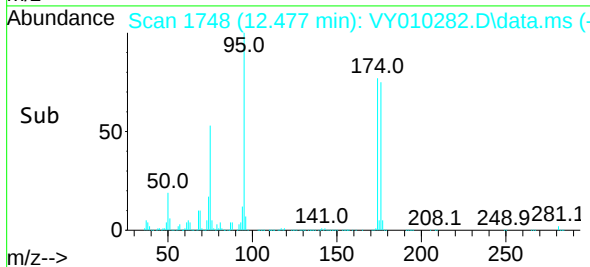
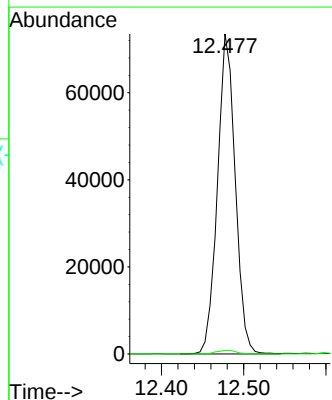
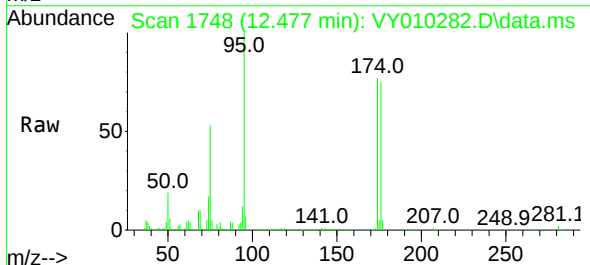
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-BLIND-DUPLICATE

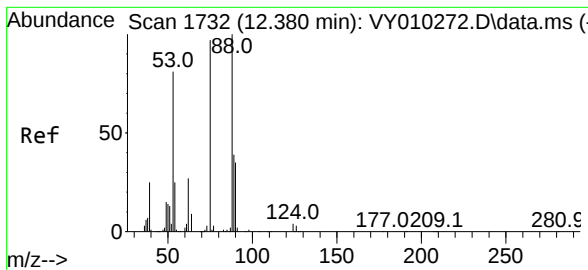
Tgt Ion:152 Resp: 217804  
 Ion Ratio Lower Upper  
 152 100  
 115 58.4 28.2 84.7  
 150 156.6 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 42.648 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.159 min  
 Lab File: VY010282.D  
 Acq: 02 Sep 2022 16:31

Tgt Ion: 75 Resp: 110541  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 88.968 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY010282.D  
 Acq: 02 Sep 2022 16:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-BLIND-DUPLICATE

Tgt Ion: 75 Resp: 110541  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 85.3 127.9#  
 89 0.0 37.0 55.4#

