

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061423\  
 Data File : VY014161.D  
 Acq On : 14 Jun 2023 18:13  
 Operator : KP/MD  
 Sample : 03166-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TEST-PIT-6-12-23

Quant Time: Jun 15 01:44:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

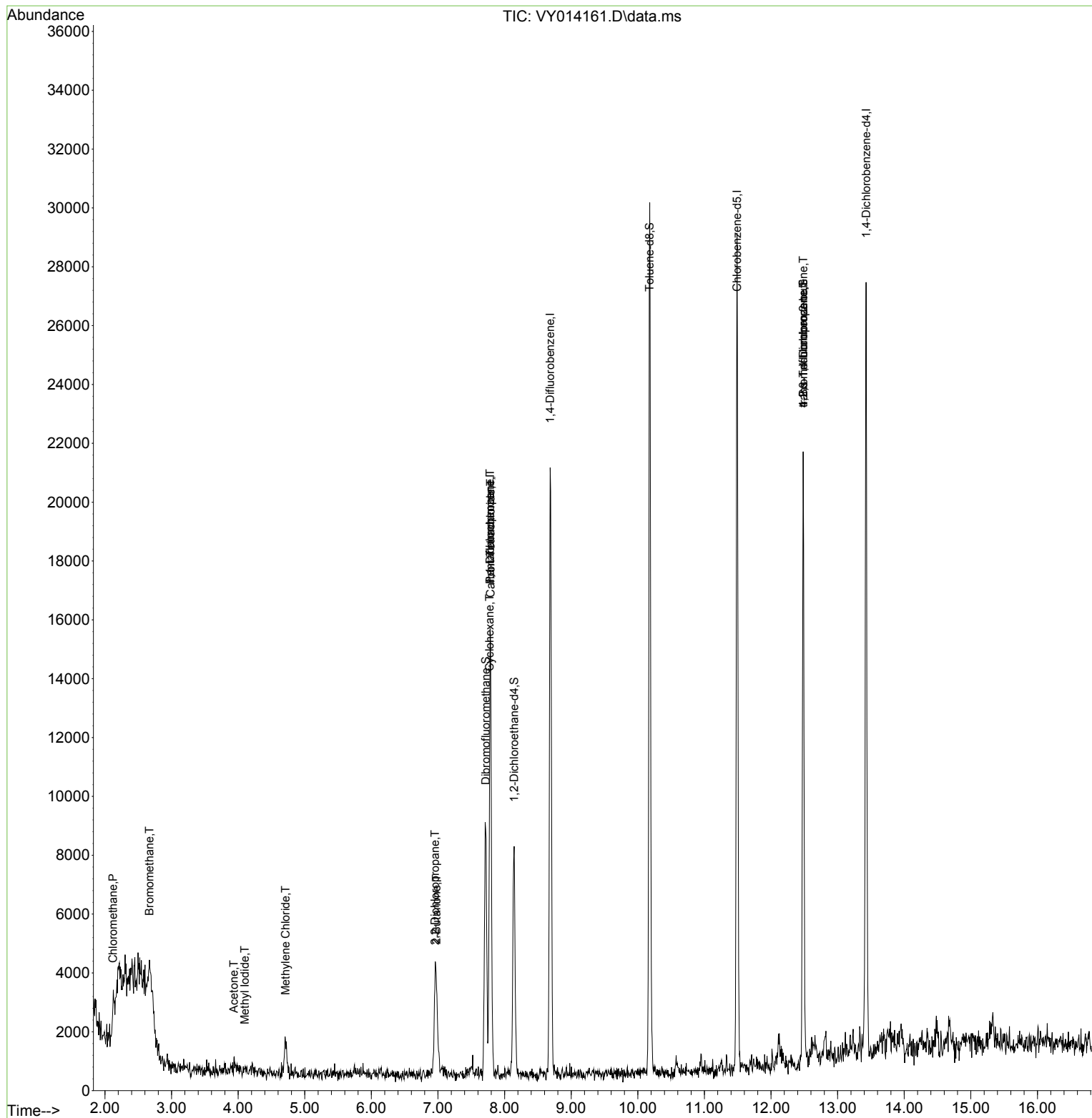
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 11596    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 17909    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 15460    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 6415     | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 6924     | 42.879    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 85.760%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 6298     | 49.588    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 99.180%  |
| 50) Toluene-d8                | 10.179 | 98    | 20333    | 42.822    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 85.640%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 6211     | 36.823    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 73.640%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 2.119  | 50    | 311      | 1.898     | ug/l # | 72       |
| 5) Bromomethane               | 2.668  | 94    | 341      | 2.594     | ug/l # | 62       |
| 10) Methyl Iodide             | 4.101  | 142   | 414      | 2.400     | ug/l # | 62       |
| 13) Acrolein                  | 3.747  | 56    | 19       | Below Cal | #      | 14       |
| 16) Acetone                   | 3.936  | 43    | 203      | 4.171     | ug/l   | 93       |
| 20) Methylene Chloride        | 4.710  | 84    | 864      | 2.127     | ug/l # | 63       |
| 25) 2-Butanone                | 6.978  | 43    | 95       | 1.586     | ug/l # | 49       |
| 26) 2,2-Dichloropropane       | 6.954  | 77    | 272      | 1.093     | ug/l # | 54       |
| 31) Cyclohexane               | 7.777  | 56    | 243      | 1.123     | ug/l # | 17       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 1027     | 5.187     | ug/l # | 41       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 1292     | 5.654     | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 3057     | 36.322    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 3057     | 78.515    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

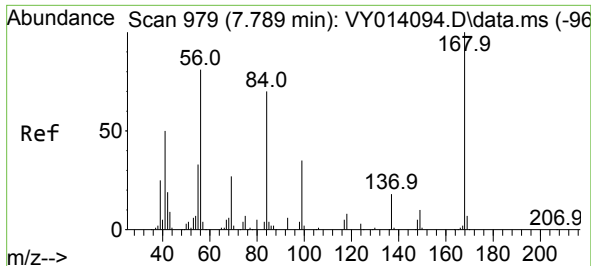
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061423\  
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TEST-PIT-6-12-23

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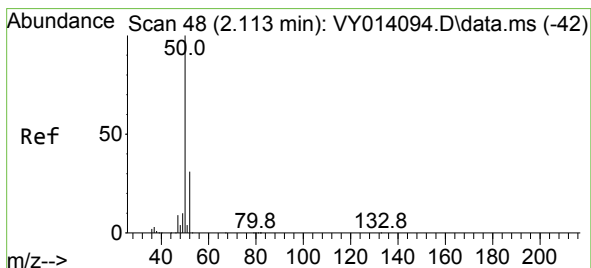
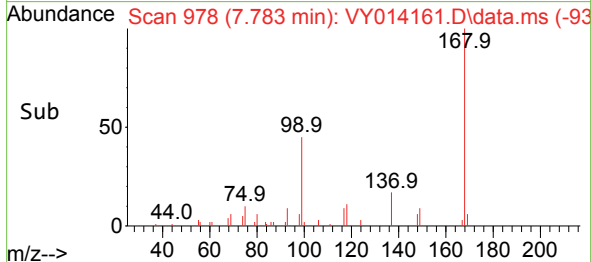
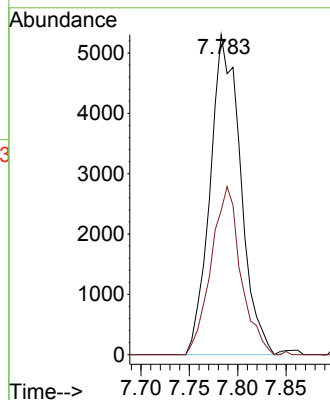
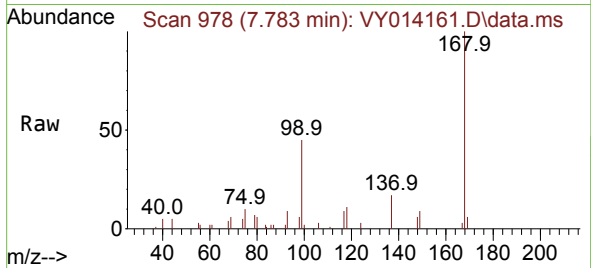




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

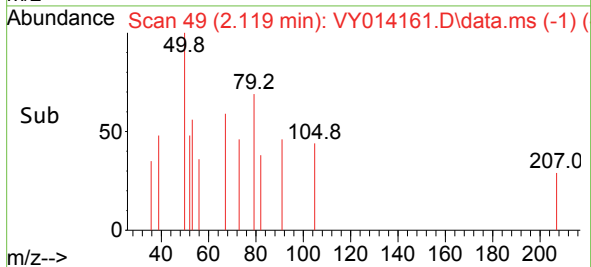
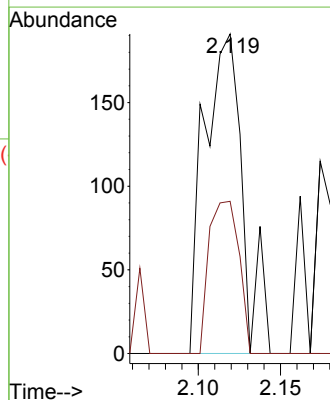
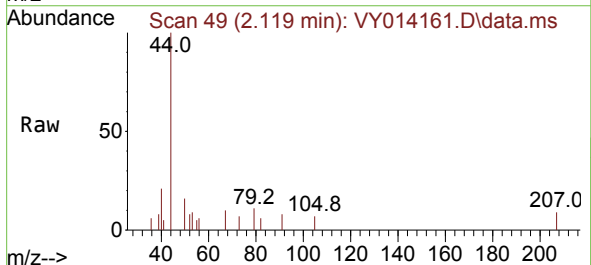
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TEST-PIT-6-12-23

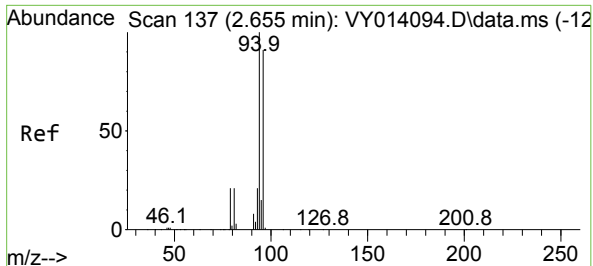
Tgt Ion:168 Resp: 11596  
Ion Ratio Lower Upper  
168 100  
99 45.0 43.4 65.0



#3  
Chloromethane  
Concen: 1.898 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Tgt Ion: 50 Resp: 311  
Ion Ratio Lower Upper  
50 100  
52 47.6 25.4 38.2#

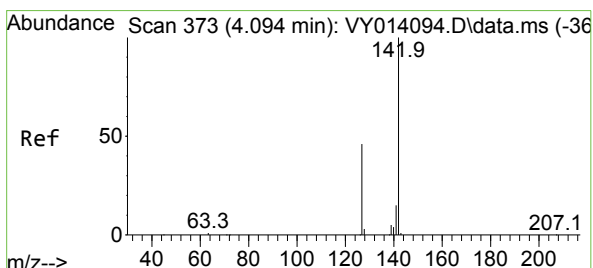
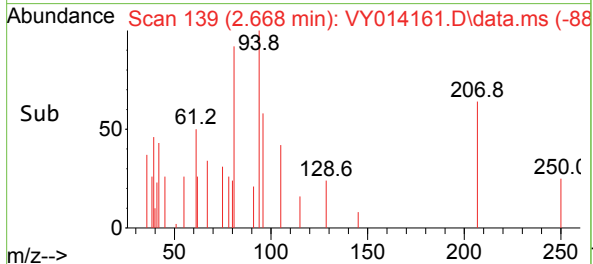
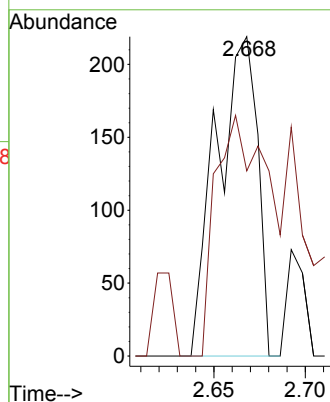
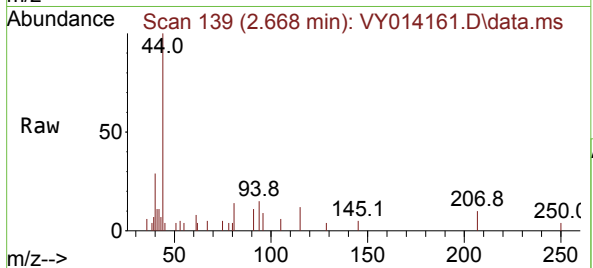




#5  
Bromomethane  
Concen: 2.594 ug/l  
RT: 2.668 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

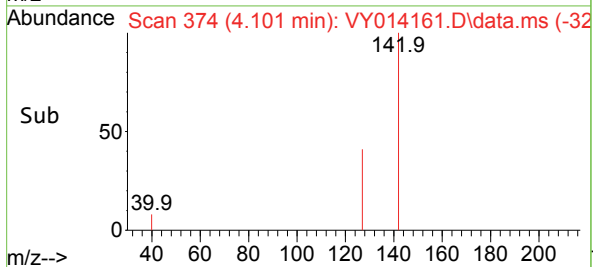
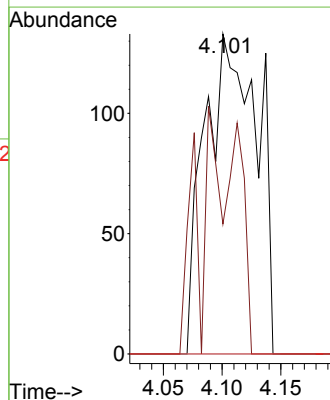
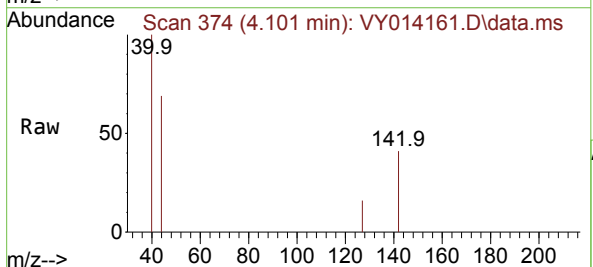
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TEST-PIT-6-12-23

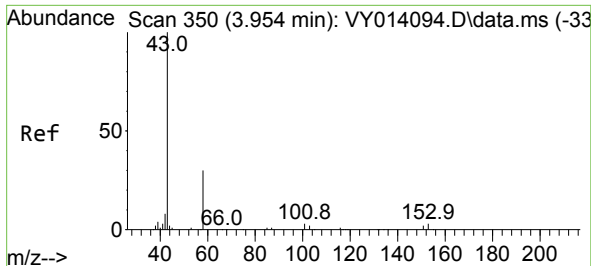
Tgt Ion: 94 Resp: 341  
Ion Ratio Lower Upper  
94 100  
96 58.0 75.8 113.6#



#10  
Methyl Iodide  
Concen: 2.400 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.007 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Tgt Ion: 142 Resp: 414  
Ion Ratio Lower Upper  
142 100  
127 21.5 37.6 56.4#  
141 0.0 11.8 17.8#





#16

Acetone

Concen: 4.171 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.018 min

Lab File: VY014161.D

Acq: 14 Jun 2023 18:13

Instrument :

MSVOA\_Y

ClientSampleId :

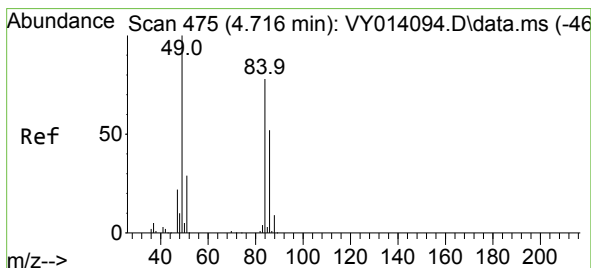
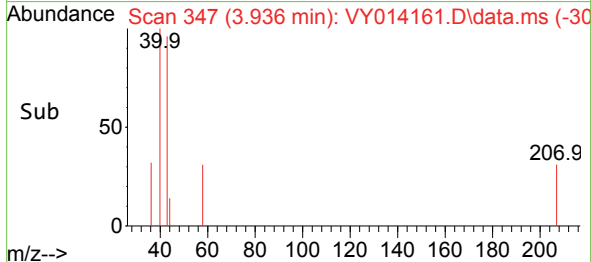
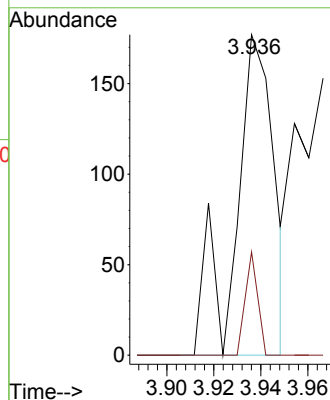
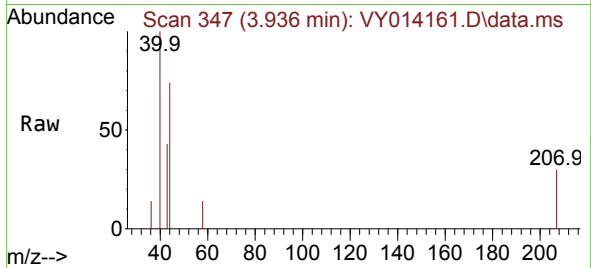
TEST-PIT-6-12-23

Tgt Ion: 43 Resp: 203

Ion Ratio Lower Upper

43 100

58 32.2 22.7 34.1



#20

Methylene Chloride

Concen: 2.127 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014161.D

Acq: 14 Jun 2023 18:13

Tgt Ion: 84 Resp: 864

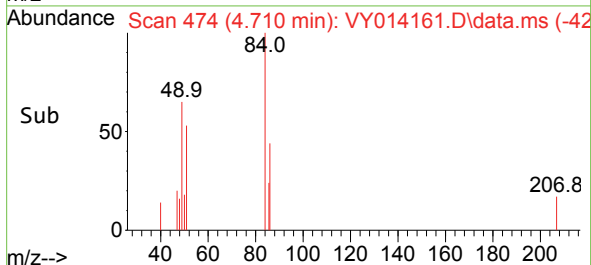
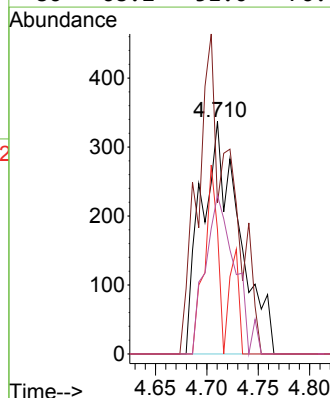
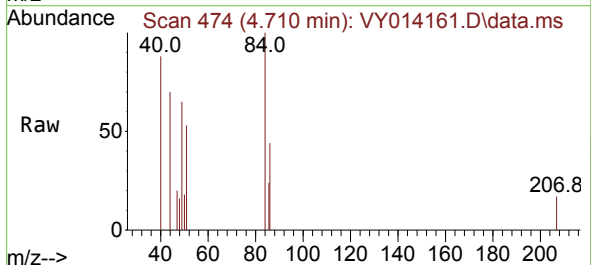
Ion Ratio Lower Upper

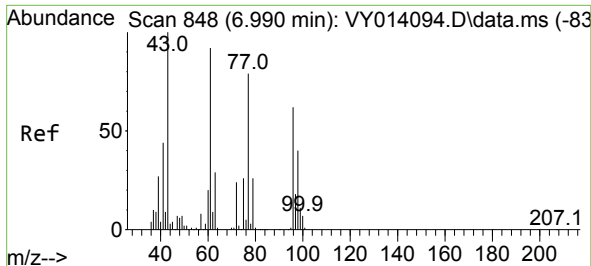
84 100

49 65.0 106.9 160.3#

51 53.4 33.2 49.8#

86 68.2 51.0 76.6

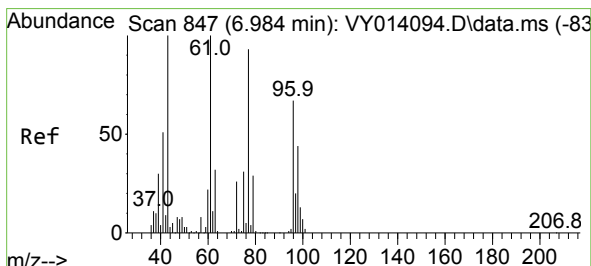
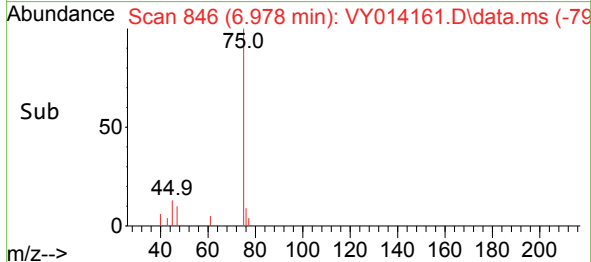
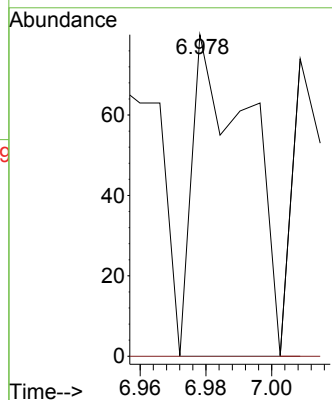
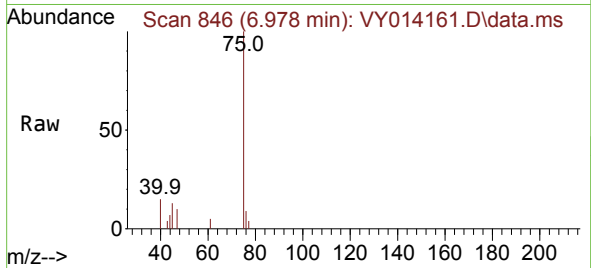




#25  
2-Butanone  
Concen: 1.586 ug/l  
RT: 6.978 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

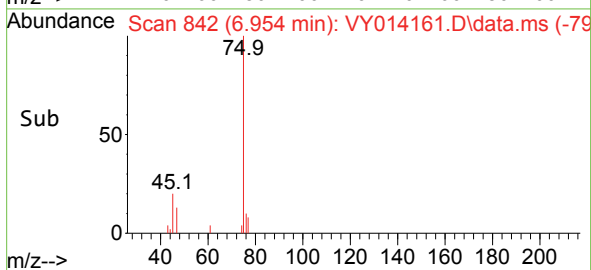
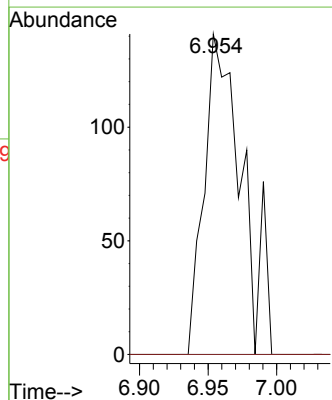
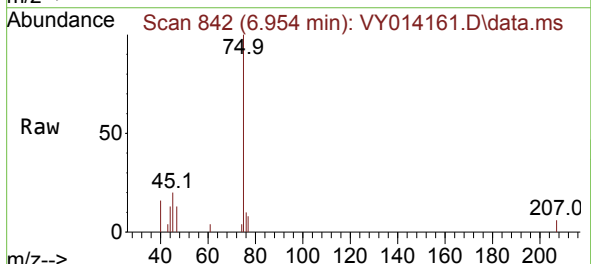
Instrument :  
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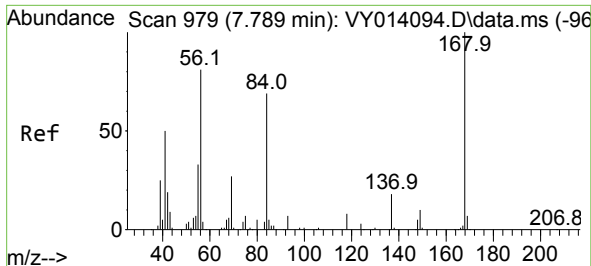
Tgt Ion: 43 Resp: 95  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.5 30.7#



#26  
2,2-Dichloropropane  
Concen: 1.093 ug/l  
RT: 6.954 min Scan# 842  
Delta R.T. -0.030 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Tgt Ion: 77 Resp: 272  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#

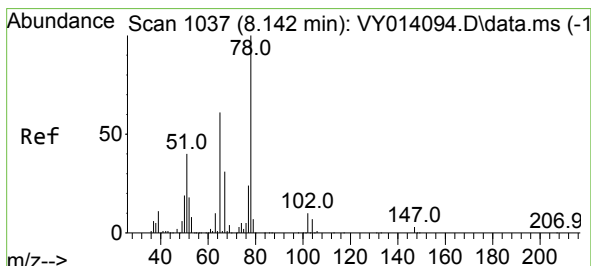
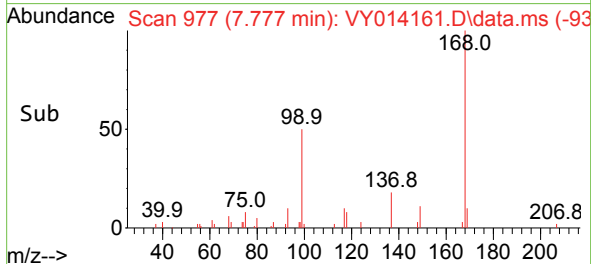
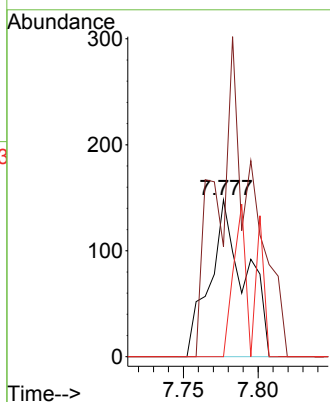
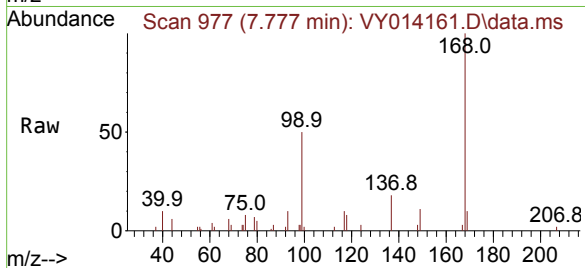




#31  
Cyclohexane  
Concen: 1.123 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

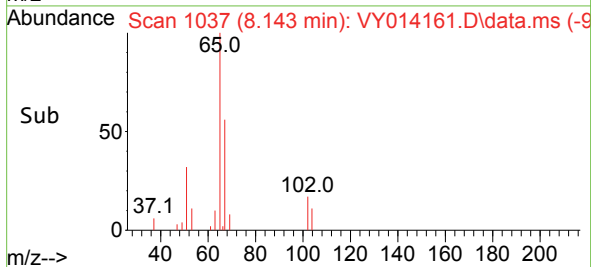
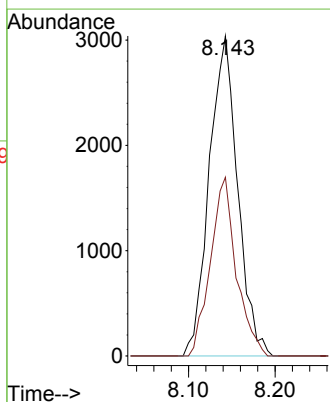
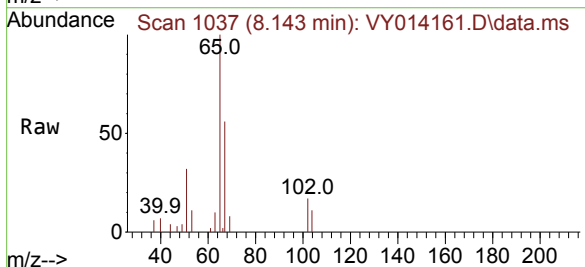
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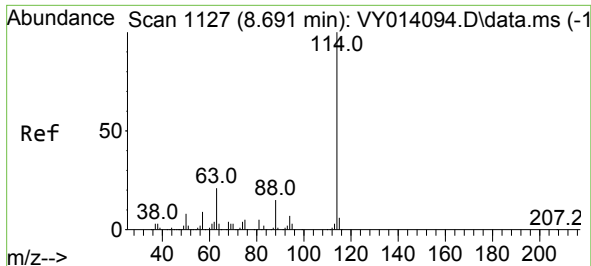
Tgt Ion: 56 Resp: 243  
Ion Ratio Lower Upper  
56 100  
69 70.3 27.8 41.6#  
84 0.0 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 42.879 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Tgt Ion: 65 Resp: 6924  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 101.8

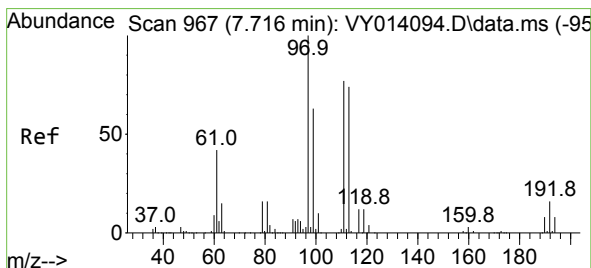
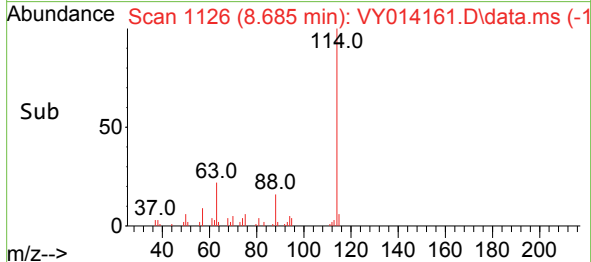
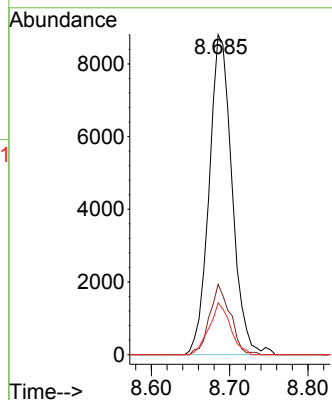
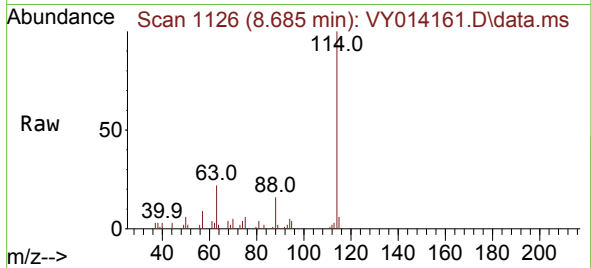




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

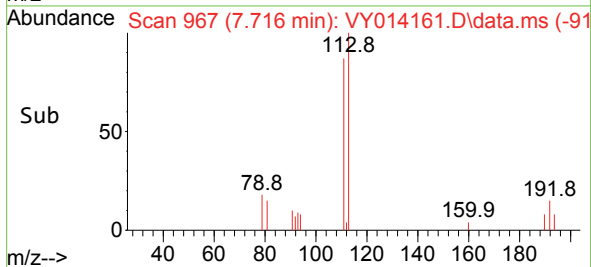
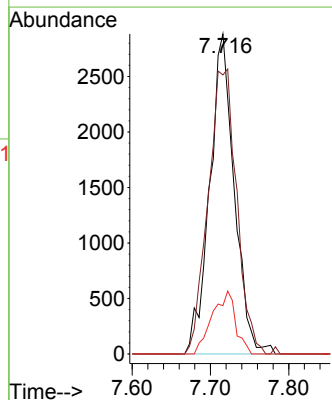
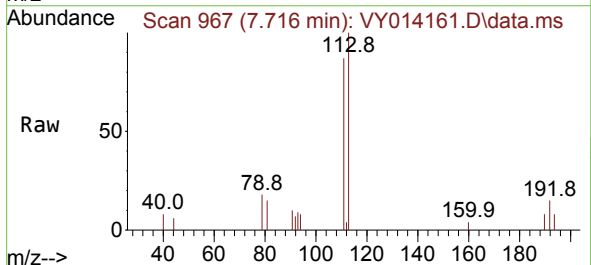
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 17909 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 22.0  | 0.0   | 42.4  |
| 88       | 16.2  | 0.0   | 30.6  |

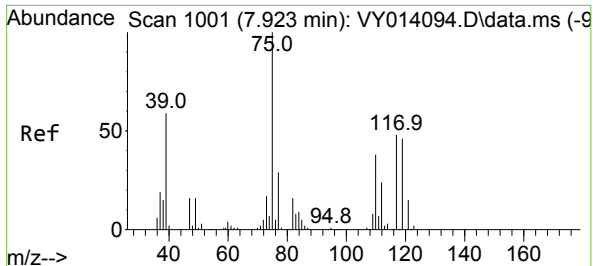


#35  
Dibromofluoromethane  
Concen: 49.588 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 6298  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.1 | 81.3  | 121.9 |
| 192      | 18.6  | 16.9  | 25.3  |



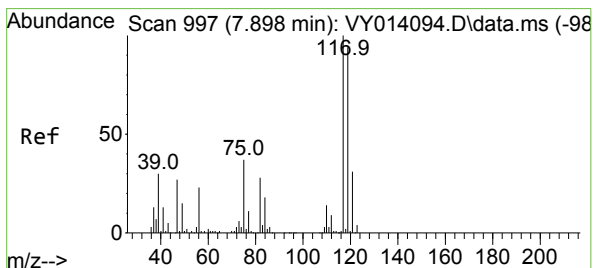
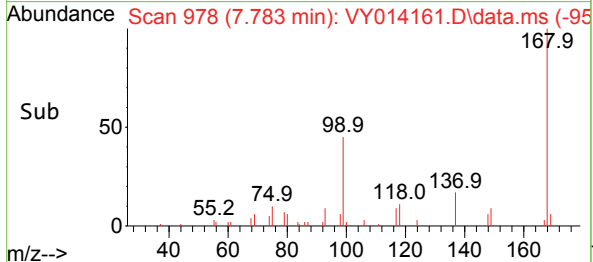
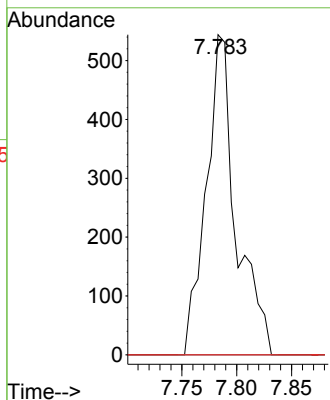
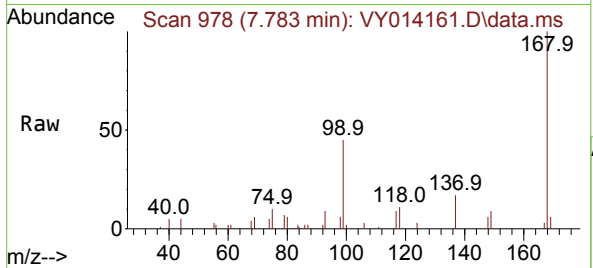




#36  
1,1-Dichloropropene  
Concen: 5.187 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.140 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

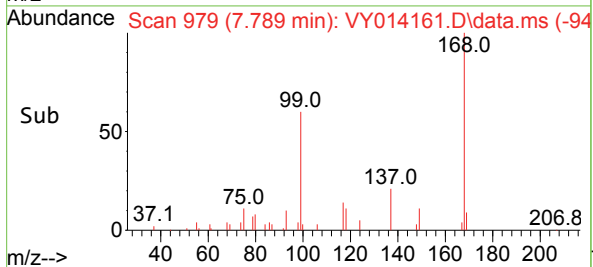
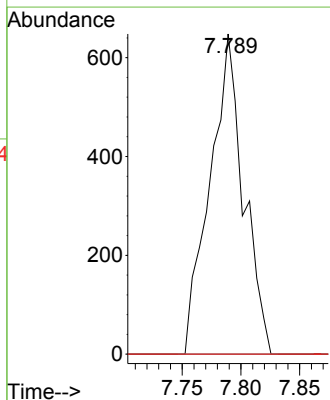
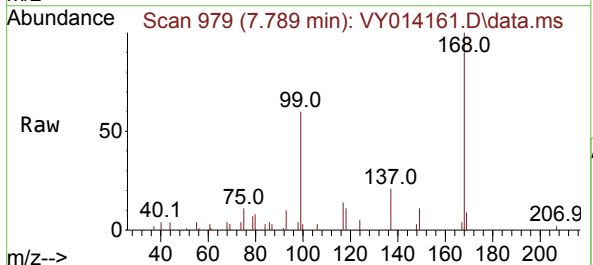
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TEST-PIT-6-12-23

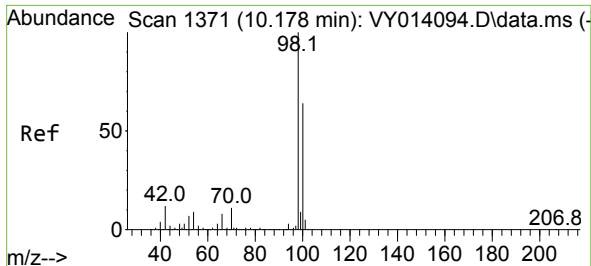
Tgt Ion: 75 Resp: 1027  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.8 53.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.654 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.109 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Tgt Ion: 117 Resp: 1292  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.4 114.6#  
121 0.0 25.8 38.6#

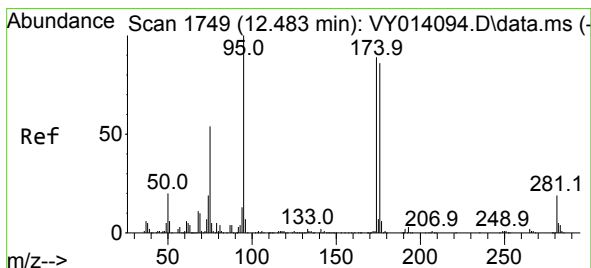
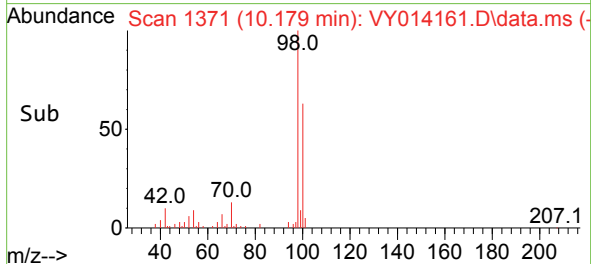
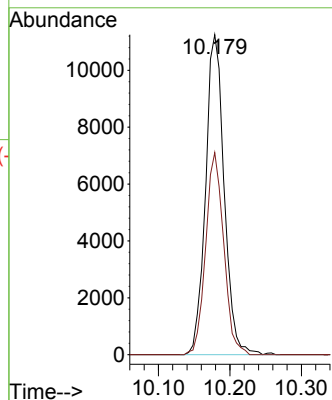
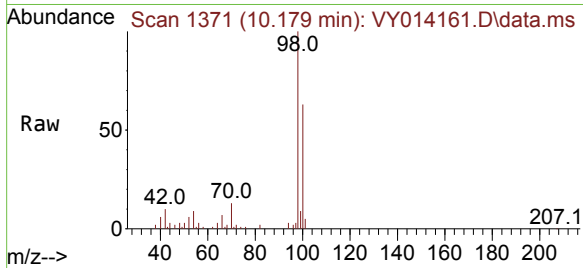




#50  
Toluene-d8  
Concen: 42.822 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

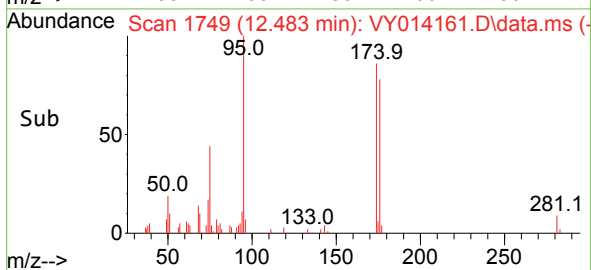
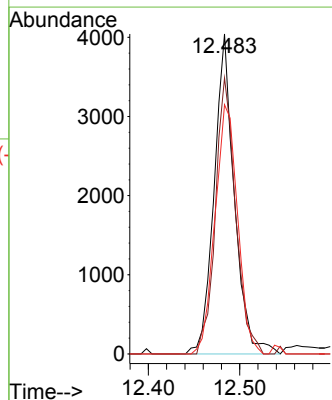
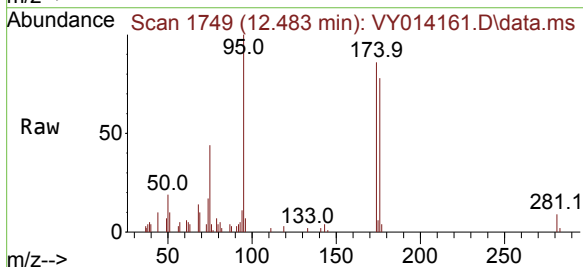
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TEST-PIT-6-12-23

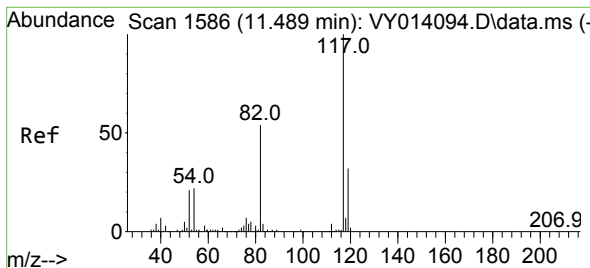
Tgt Ion: 98 Resp: 20333  
Ion Ratio Lower Upper  
98 100  
100 61.2 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 36.823 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Tgt Ion: 95 Resp: 6211  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 178.2  
176 86.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014161.D

Acq: 14 Jun 2023 18:13

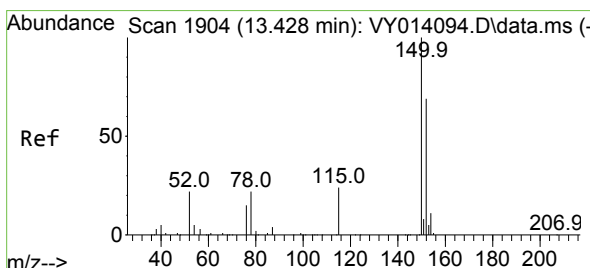
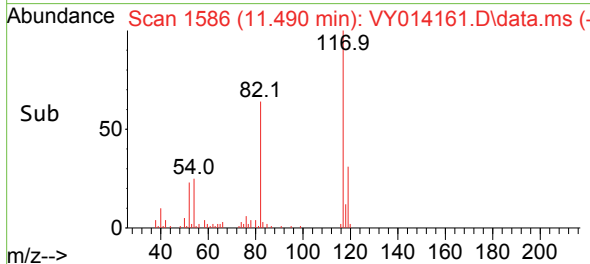
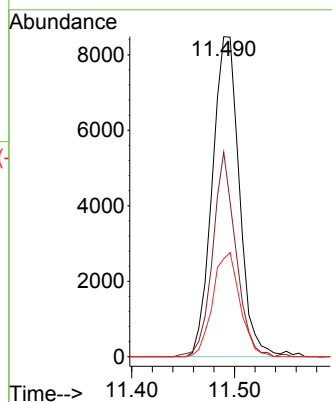
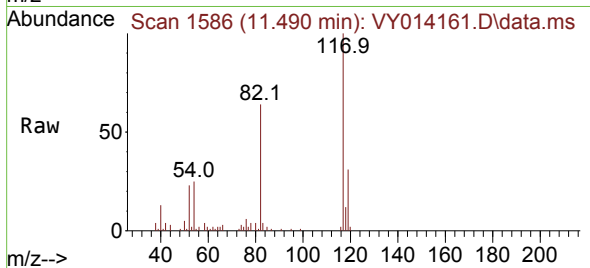
Instrument :

MSVOA\_Y

ClientSampleId :

TEST-PIT-6-12-23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:117 | Resp: | 15460     |
| Ion Ratio   | Lower | Upper     |
| 117         | 100   |           |
| 82          | 63.4  | 43.4 65.0 |
| 119         | 30.6  | 26.3 39.5 |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

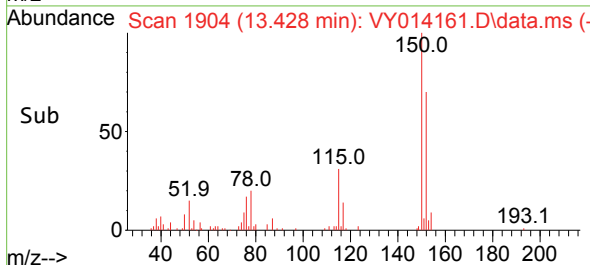
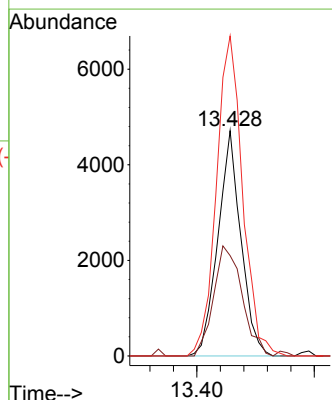
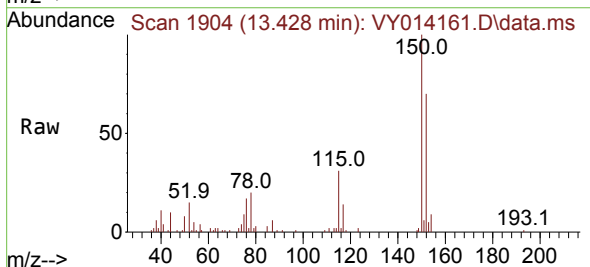
RT: 13.428 min Scan# 1904

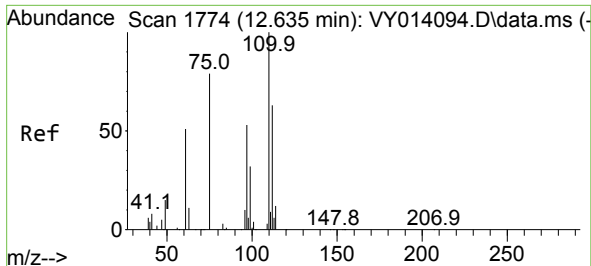
Delta R.T. 0.000 min

Lab File: VY014161.D

Acq: 14 Jun 2023 18:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 6415      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 60.3  | 28.8 86.5 |
| 150         | 161.6 | 0.0 348.8 |

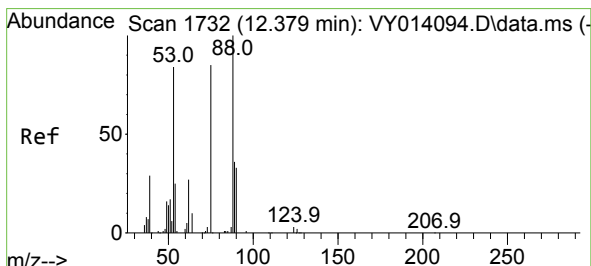
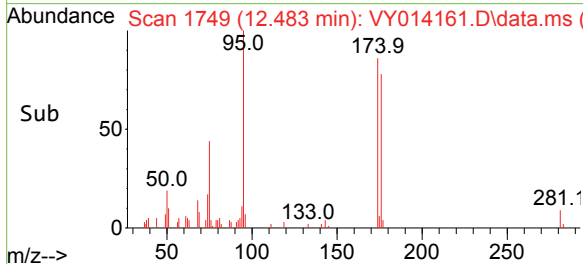
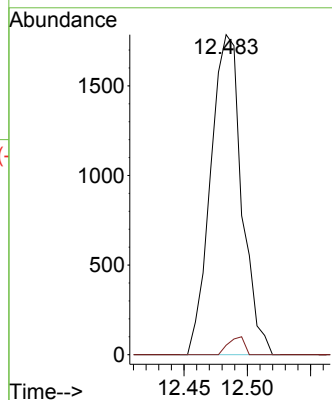
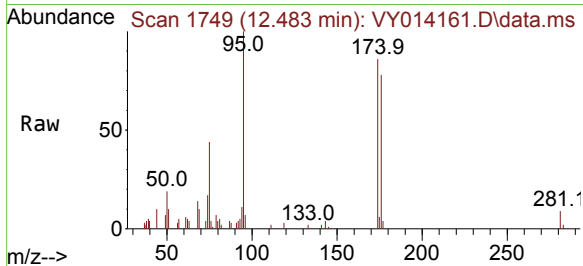




#76  
1,2,3-Trichloropropane  
Concen: 36.322 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TEST-PIT-6-12-23

Tgt Ion: 75 Resp: 3057  
Ion Ratio Lower Upper  
75 100  
77 2.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.515 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY014161.D  
Acq: 14 Jun 2023 18:13

Tgt Ion: 75 Resp: 3057  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#

