

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071723\  
 Data File : VY014681.D  
 Acq On : 17 Jul 2023 18:41  
 Operator : SY/MD  
 Sample : 03631-07  
 Misc : 5.96g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-10(5-6)

Quant Time: Jul 18 06:13:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

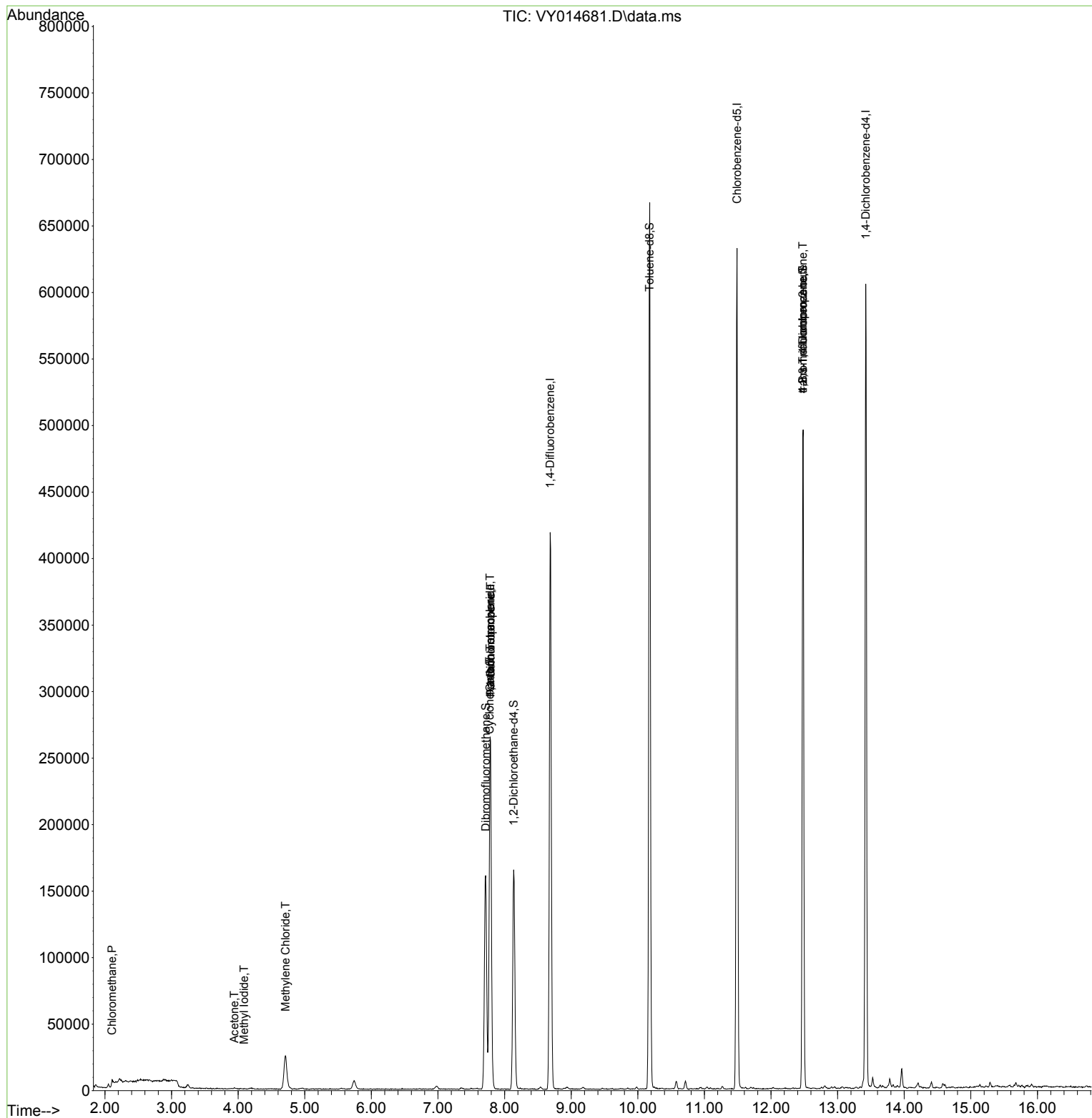
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.789     | 168            | 208675   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114            | 367151   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117            | 338917   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152            | 155439   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65             | 130869   | 55.035     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | = 110.060% |        |          |
| 35) Dibromofluoromethane      | 7.716     | 113            | 115703   | 49.505     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | = 99.020%  |        |          |
| 50) Toluene-d8                | 10.179    | 98             | 432982   | 50.249     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 58 - 134 | Recovery | = 100.500% |        |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95             | 159350   | 48.230     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 30 - 143 | Recovery | = 96.460%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            | Qvalue |          |
| 3) Chloromethane              | 2.107     | 50             | 2318     | 1.213      | ug/l   | 92       |
| 10) Methyl Iodide             | 4.088     | 142            | 46       | 2.388      | ug/l # | 38       |
| 11) Tert butyl alcohol        | 4.954     | 59             | 1196     | Below Cal  | #      | 95       |
| 16) Acetone                   | 3.942     | 43             | 838      | 1.112      | ug/l   | 92       |
| 20) Methylene Chloride        | 4.710     | 84             | 19194    | 3.952      | ug/l   | 88       |
| 31) Cyclohexane               | 7.777     | 56             | 4252     | 1.077      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789     | 75             | 15624    | 4.470      | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.783     | 117            | 20528    | 5.556      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75             | 84637    | 43.113     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75             | 84637    | 83.474     | ug/l # | 11       |
| -----                         |           |                |          |            |        |          |

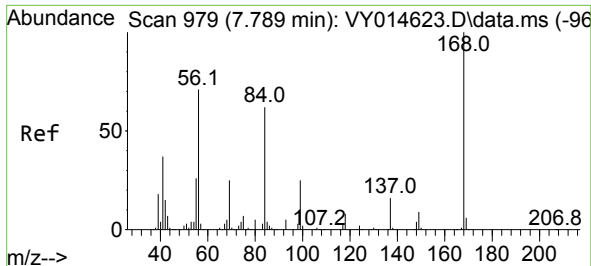
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
SB-10(5-6)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 14 02:09:50 2023  
Response via : Initial Calibration

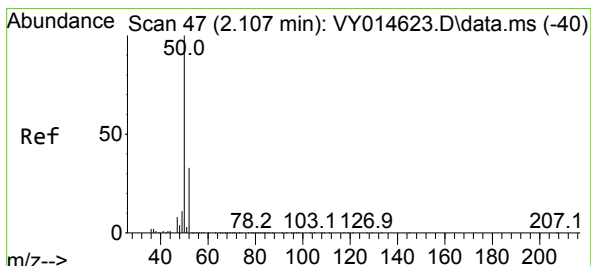
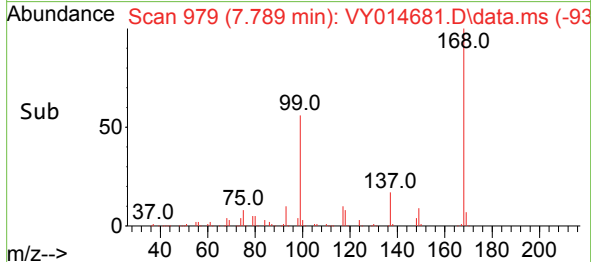
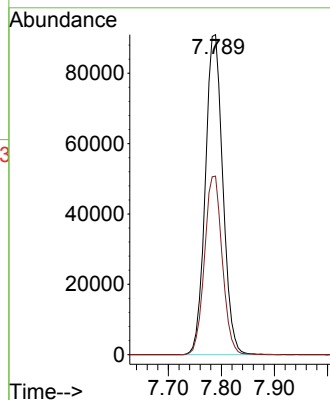
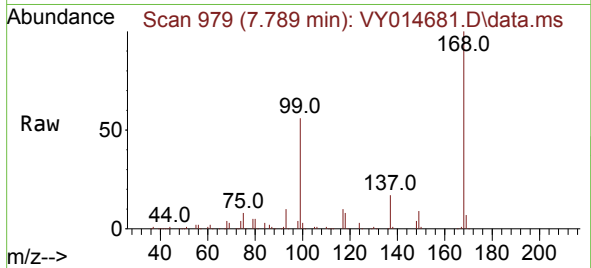




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

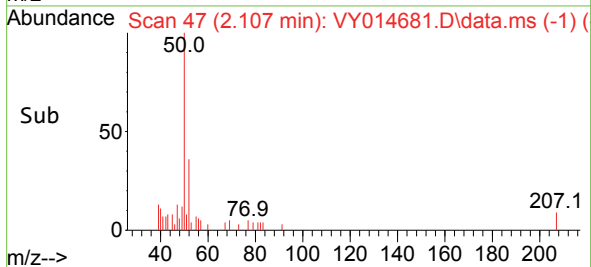
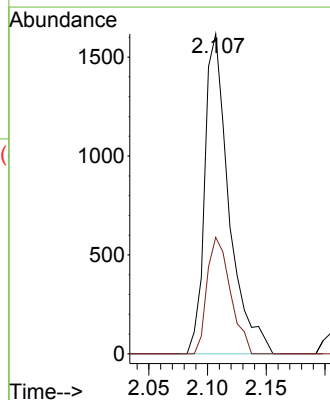
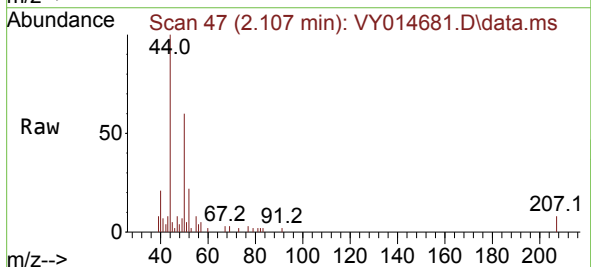
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10(5-6)

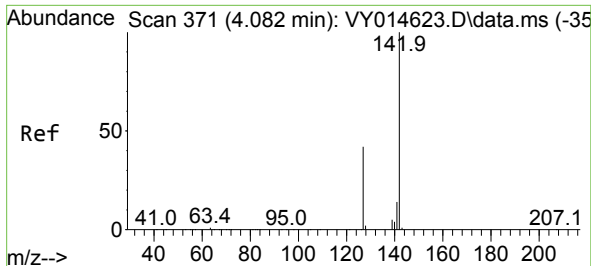
Tgt Ion:168 Resp: 208675  
Ion Ratio Lower Upper  
168 100  
99 55.8 43.4 65.0



#3  
Chloromethane  
Concen: 1.213 ug/l  
RT: 2.107 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

Tgt Ion: 50 Resp: 2318  
Ion Ratio Lower Upper  
50 100  
52 36.4 25.4 38.2

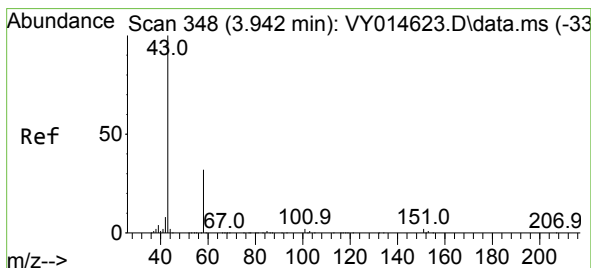
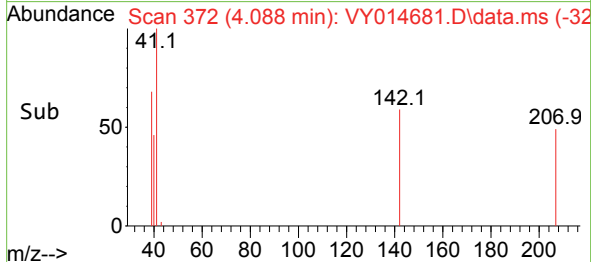
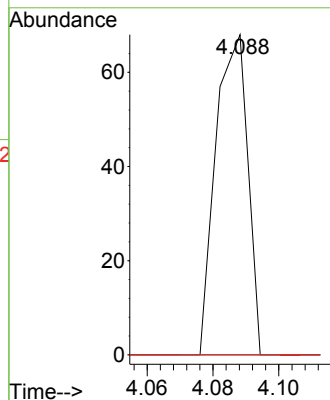
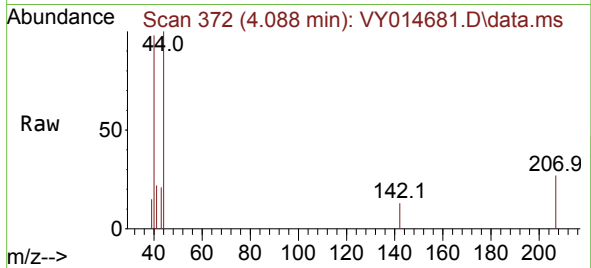




#10  
Methyl Iodide  
Concen: 2.388 ug/l  
RT: 4.088 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

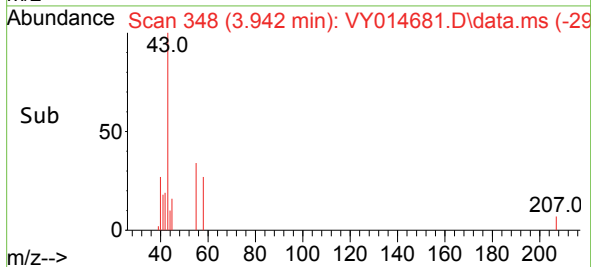
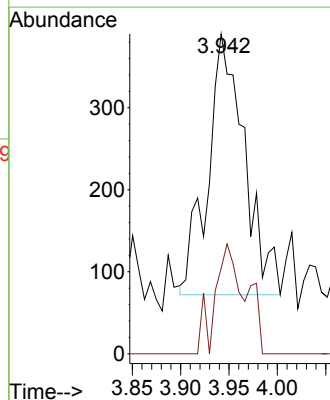
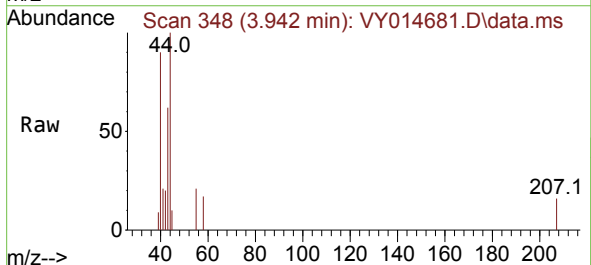
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10(5-6)

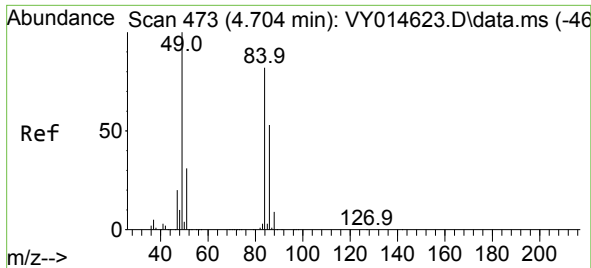
Tgt Ion:142 Resp: 46  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#



#16  
Acetone  
Concen: 1.112 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

Tgt Ion: 43 Resp: 838  
Ion Ratio Lower Upper  
43 100  
58 32.7 22.7 34.1

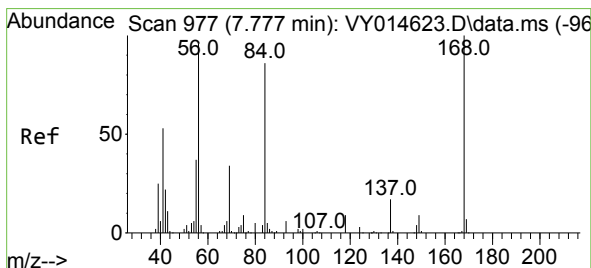
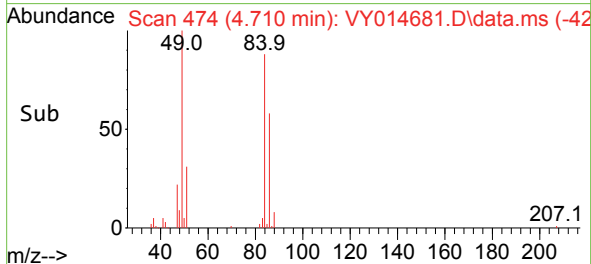
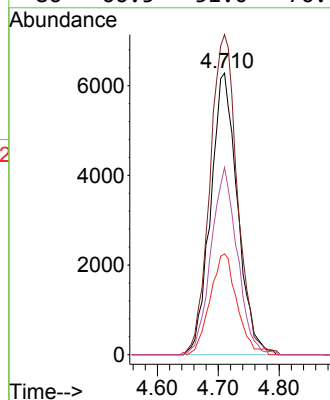
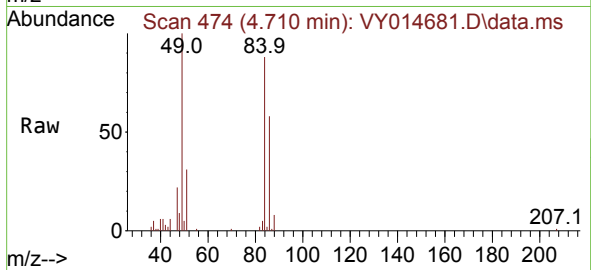




#20  
Methylene Chloride  
Concen: 3.952 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

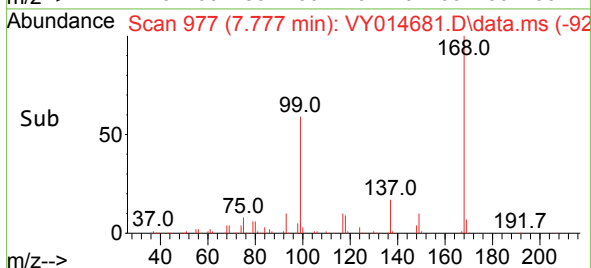
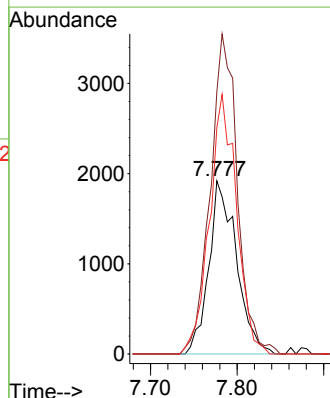
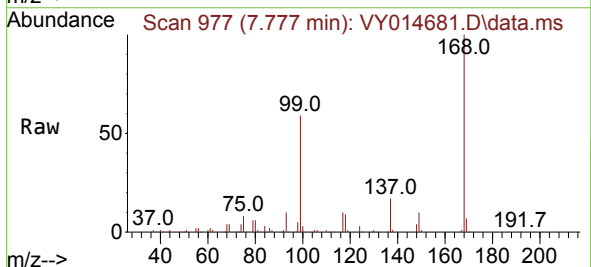
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10(5-6)

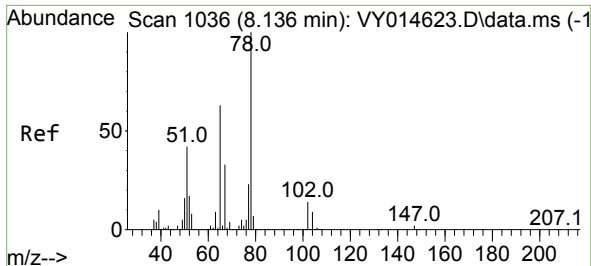
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 19194 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.6 | 106.9 | 160.3 |
| 51       | 35.8  | 33.2  | 49.8  |
| 86       | 66.5  | 51.0  | 76.6  |



#31  
Cyclohexane  
Concen: 1.077 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 4252  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 151.4 | 27.8  | 41.6# |
| 84       | 135.9 | 66.4  | 99.6# |

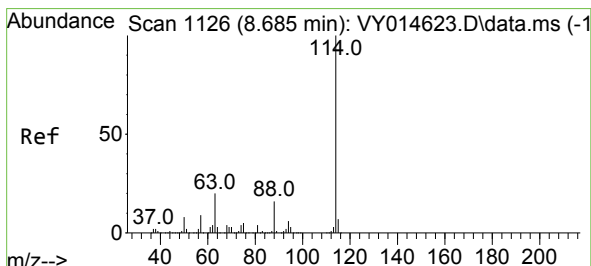
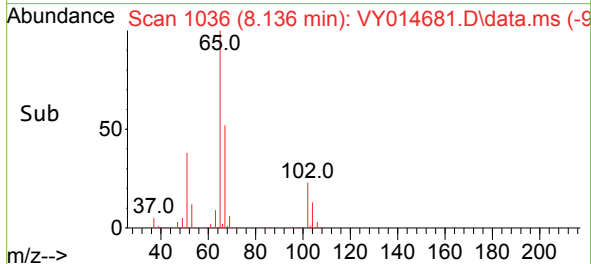
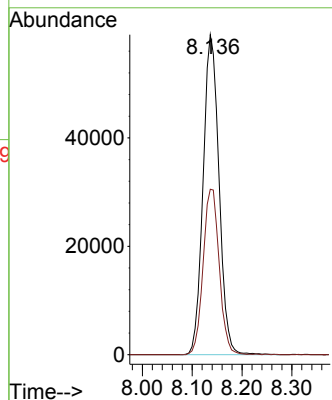
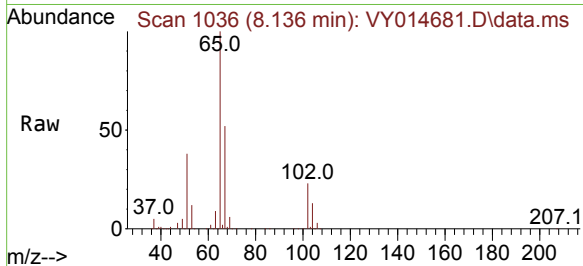




#33  
1,2-Dichloroethane-d4  
Concen: 55.035 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

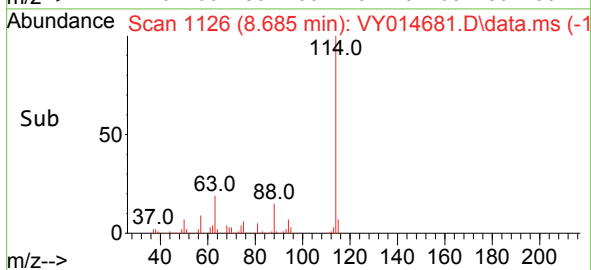
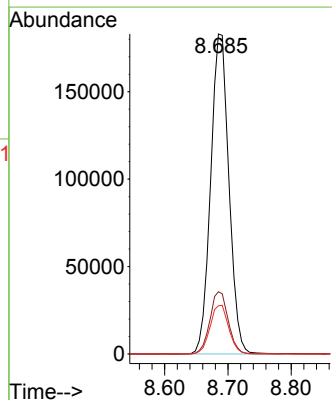
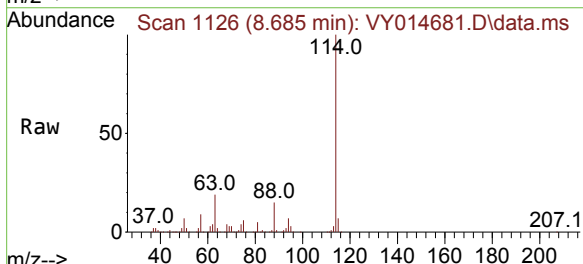
Instrument :  
MSVOA\_Y  
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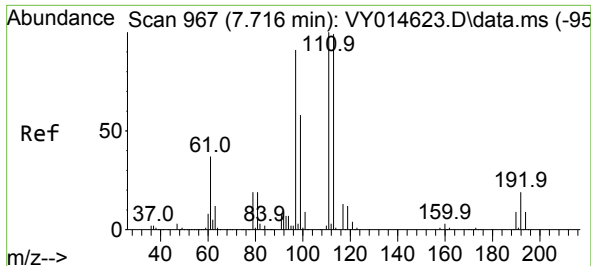
Tgt Ion: 65 Resp: 130869  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

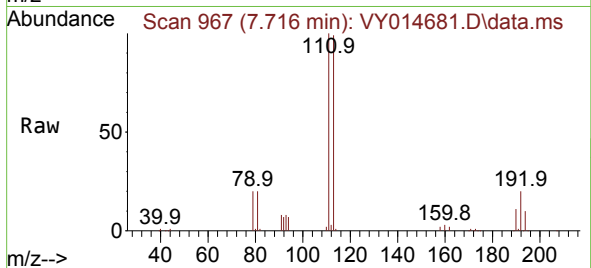
Tgt Ion:114 Resp: 367151  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 42.4  
88 15.1 0.0 30.6



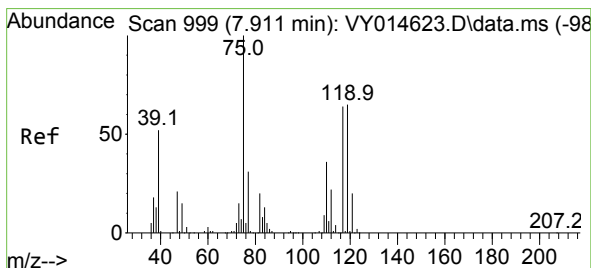
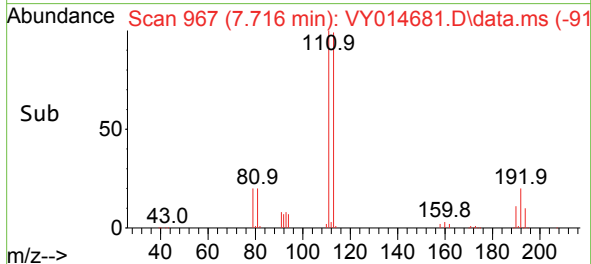
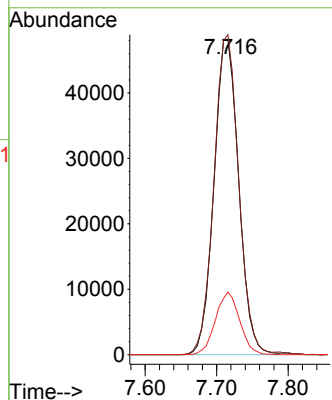


#35  
Dibromofluoromethane  
Concen: 49.505 ug/l  
RT: 7.716 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10(5-6)

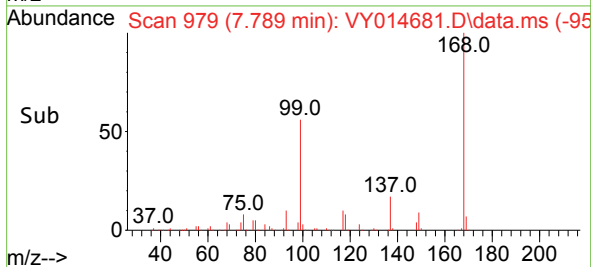
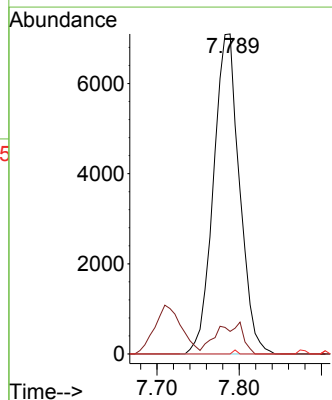
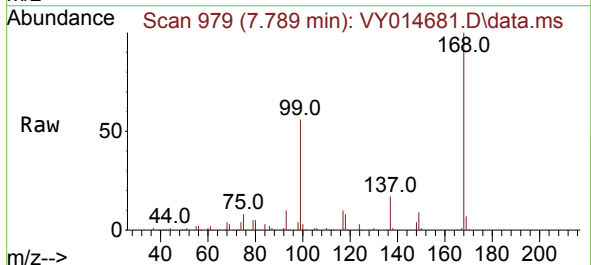


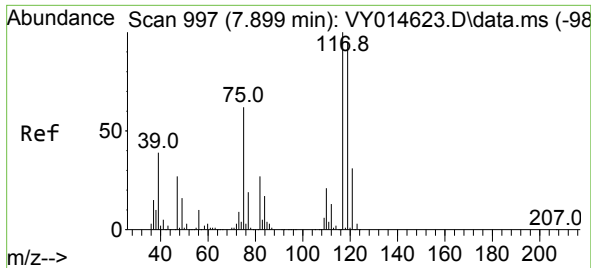
Tgt Ion:113 Resp: 115703  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.3 121.9  
192 19.4 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.470 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

Tgt Ion: 75 Resp: 15624  
Ion Ratio Lower Upper  
75 100  
110 5.0 17.8 53.5#  
77 0.2 24.4 36.6#

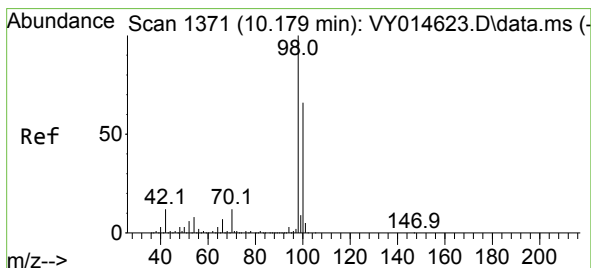
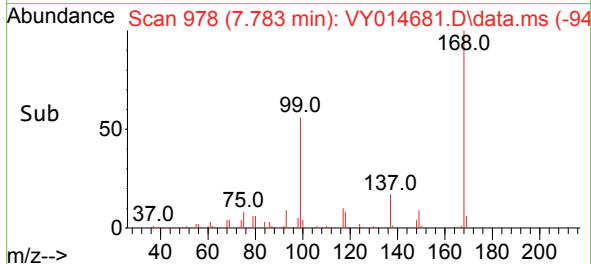
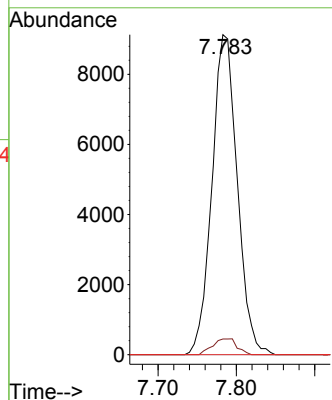
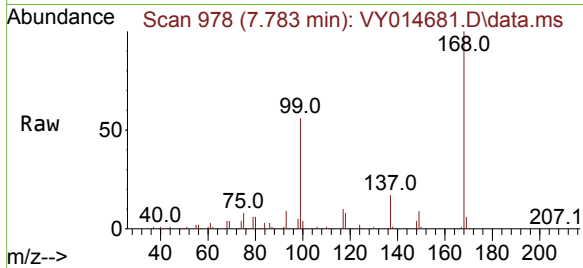




#38  
Carbon Tetrachloride  
Concen: 5.556 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

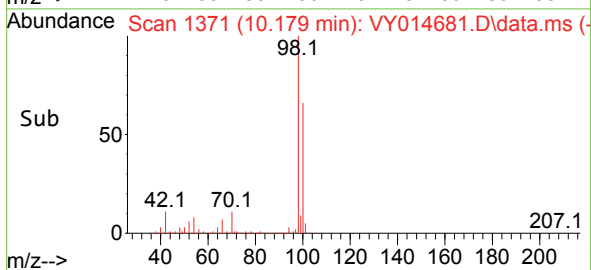
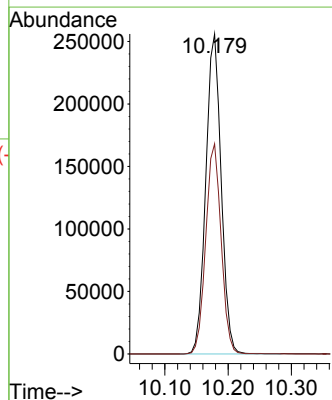
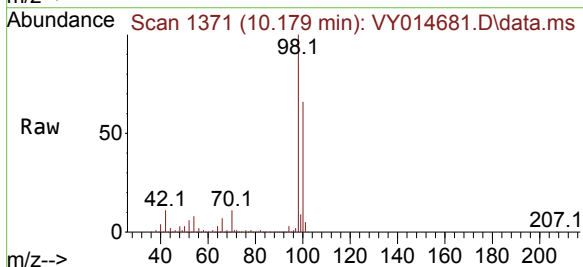
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10(5-6)

Tgt Ion:117 Resp: 20528  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.4 114.6#  
121 0.0 25.8 38.6#

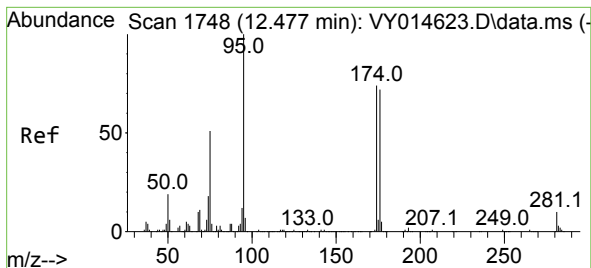


#50  
Toluene-d8  
Concen: 50.249 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

Tgt Ion: 98 Resp: 432982  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.1 75.1



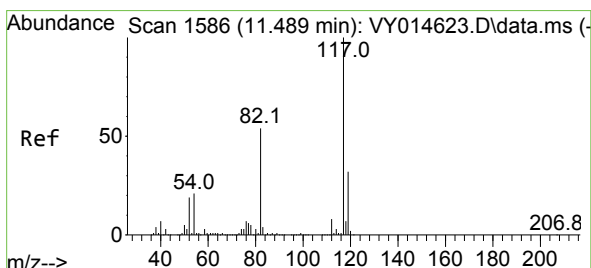
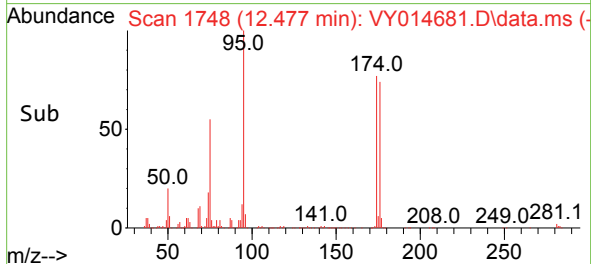
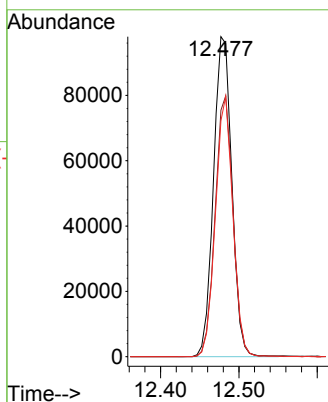
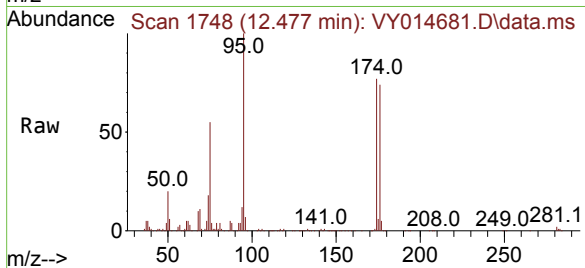




#62  
4-Bromofluorobenzene  
Concen: 48.230 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

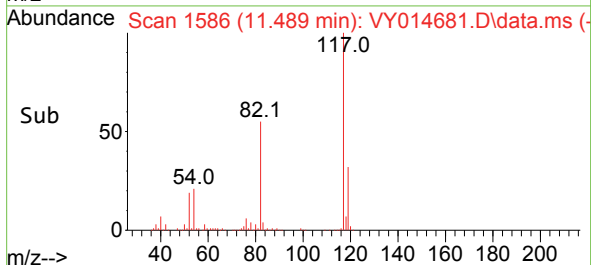
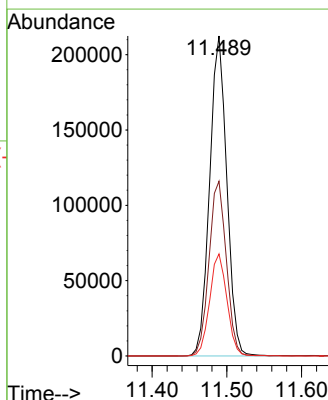
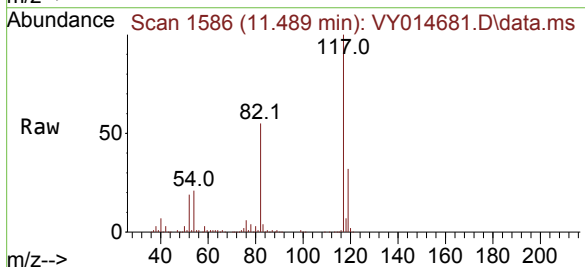
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10(5-6)

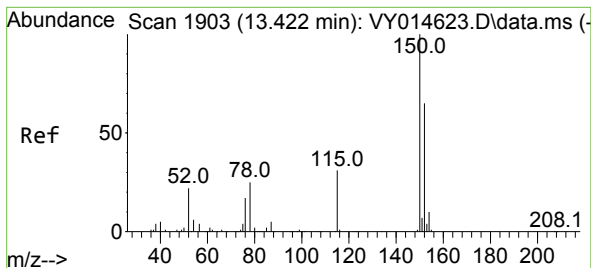
Tgt Ion: 95 Resp: 159350  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 178.2  
176 77.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

Tgt Ion: 117 Resp: 338917  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.4 65.0  
119 31.9 26.3 39.5

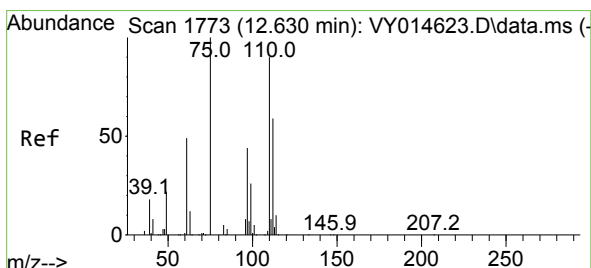
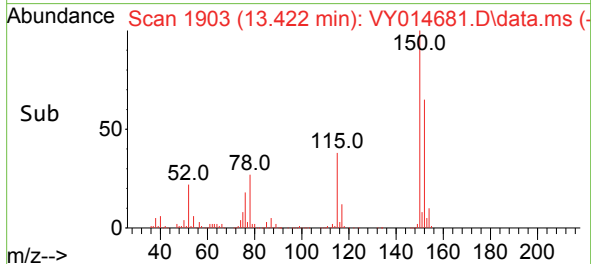
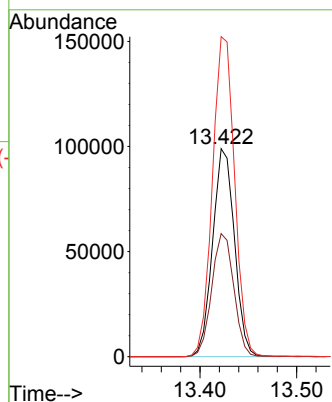
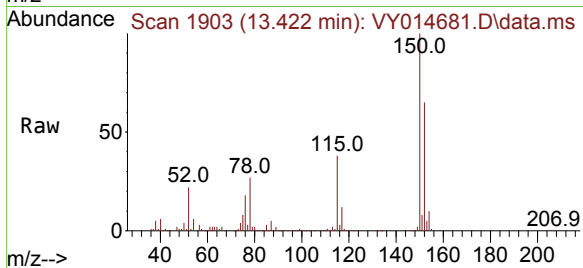




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

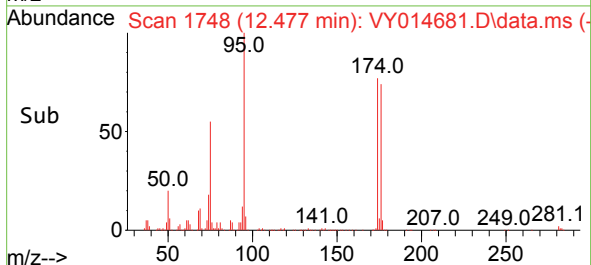
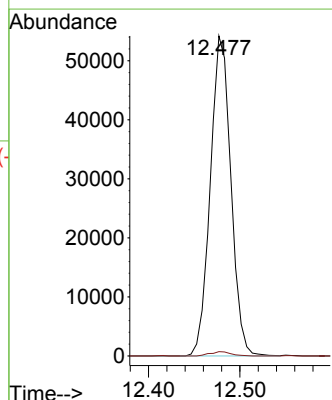
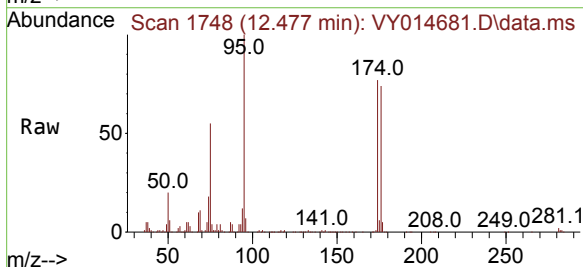
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10(5-6)

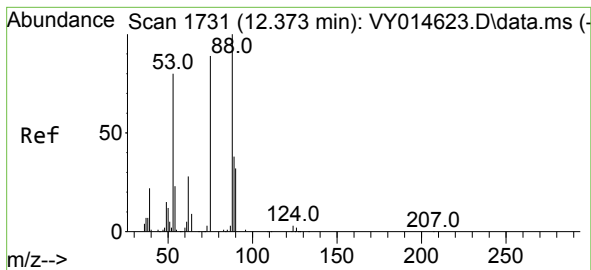
Tgt Ion:152 Resp: 155439  
Ion Ratio Lower Upper  
152 100  
115 59.9 28.8 86.5  
150 156.2 0.0 348.8



#76  
1,2,3-Trichloropropane  
Concen: 43.113 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY014681.D  
Acq: 17 Jul 2023 18:41

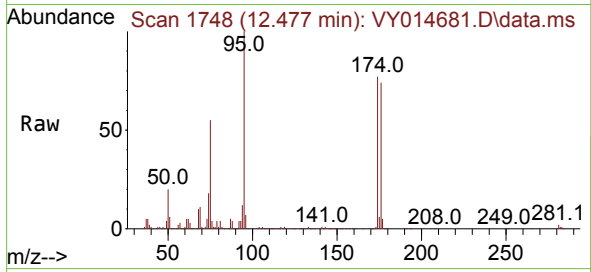
Tgt Ion: 75 Resp: 84637  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 83.474 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY014681.D  
 Acq: 17 Jul 2023 18:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-10(5-6)



Tgt Ion: 75 Resp: 84637  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.1 37.4 56.0#

