

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101022\  
 Data File : VY010890.D  
 Acq On : 10 Oct 2022 15:11  
 Operator : KP/MD  
 Sample : N5046-03RE  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 R-3RE

Quant Time: Oct 11 09:44:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

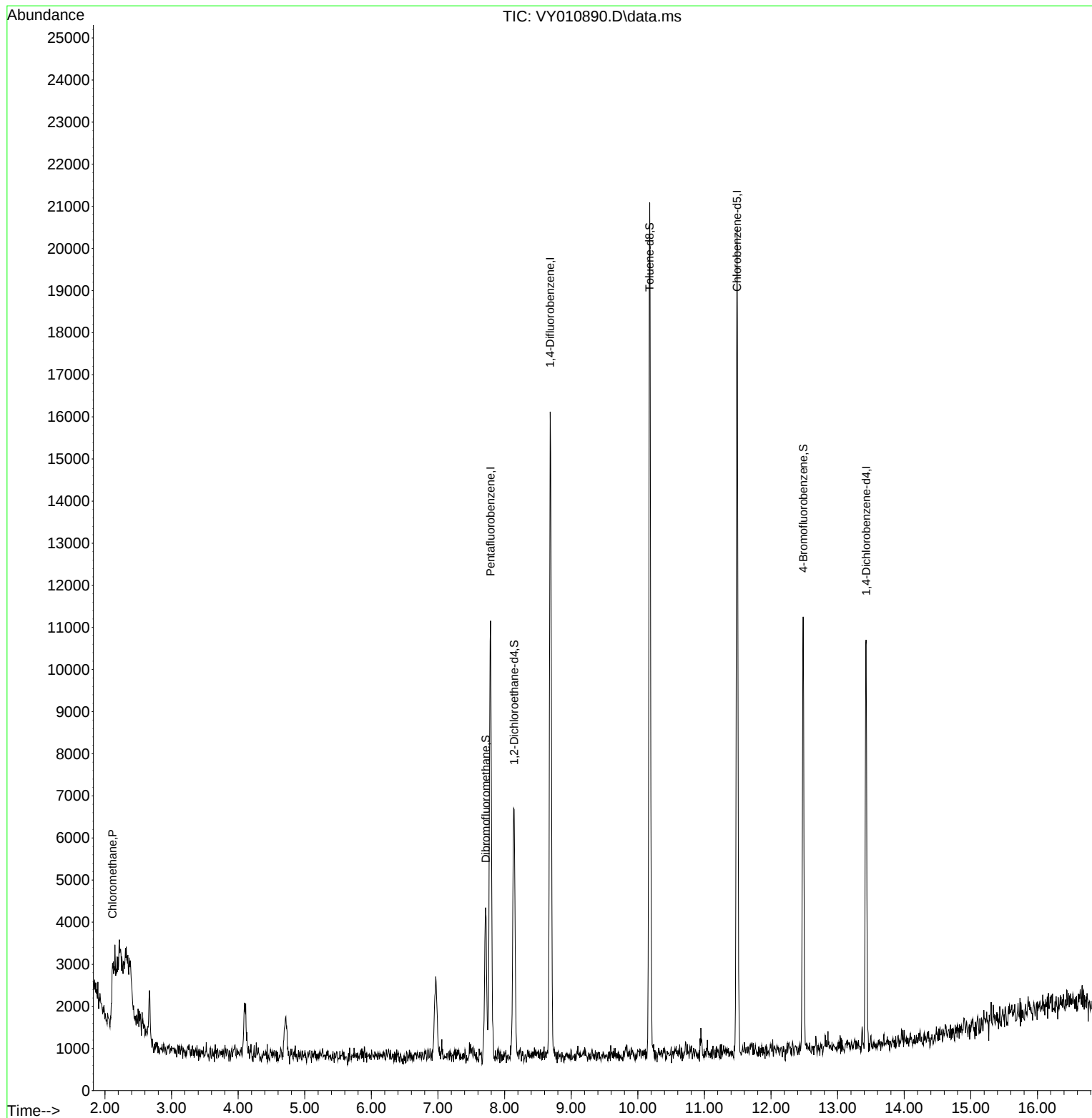
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 8771     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 14106    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 11439    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 2800     | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 4872     | 54.800   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 109.600% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 2713     | 28.974   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 57.940%  |
| 50) Toluene-d8              | 10.179 | 98    | 14348    | 44.806   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 89.620%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 3507     | 26.287   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 52.580%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 3) Chloromethane            | 2.113  | 50    | 467      | 4.621    | ug/l  | # 84     |
| -----                       |        |       |          |          |       |          |

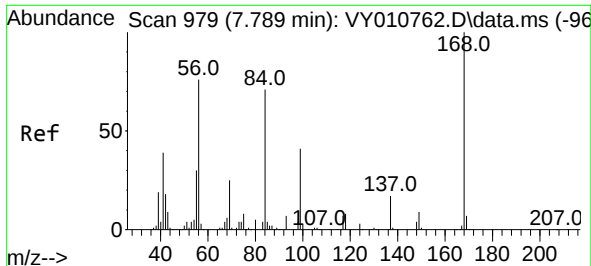
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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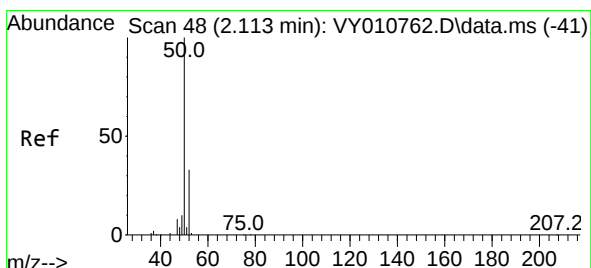
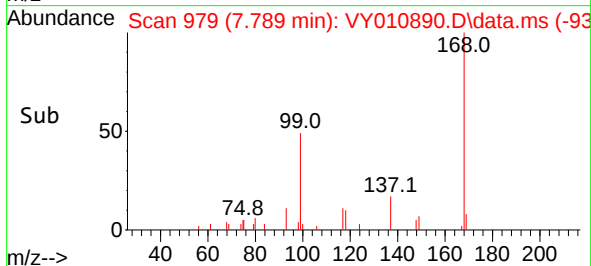
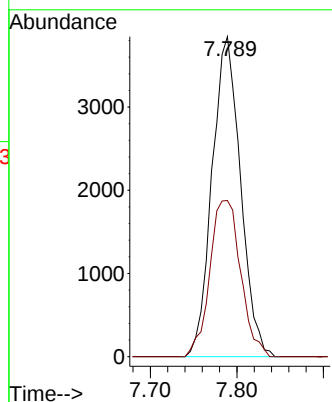
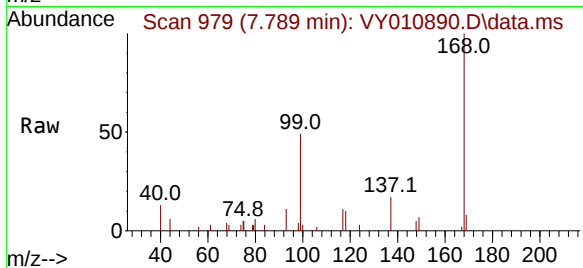




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY010890.D  
Acq: 10 Oct 2022 15:11

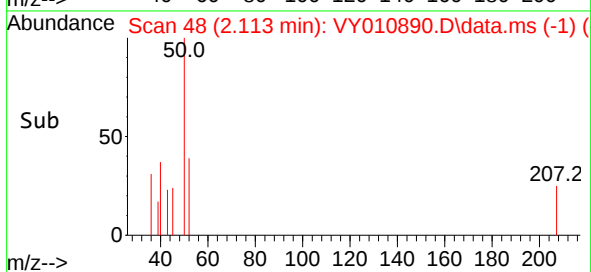
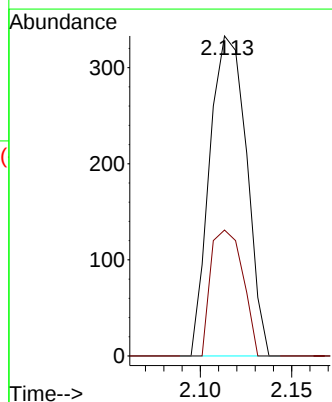
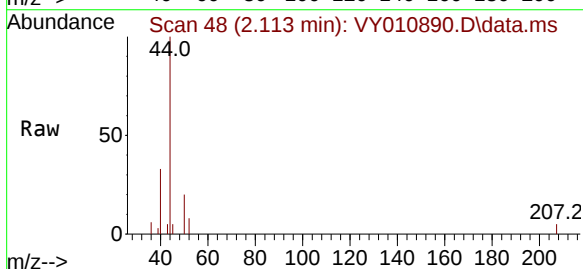
Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-3RE

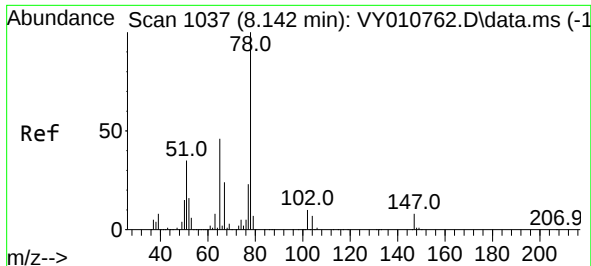
Tgt Ion:168 Resp: 8771  
Ion Ratio Lower Upper  
168 100  
99 48.8 46.9 70.3



#3  
Chloromethane  
Concen: 4.621 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY010890.D  
Acq: 10 Oct 2022 15:11

Tgt Ion: 50 Resp: 467  
Ion Ratio Lower Upper  
50 100  
52 39.3 24.6 37.0#





#33

1,2-Dichloroethane-d4

Concen: 54.800 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY010890.D

Acq: 10 Oct 2022 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

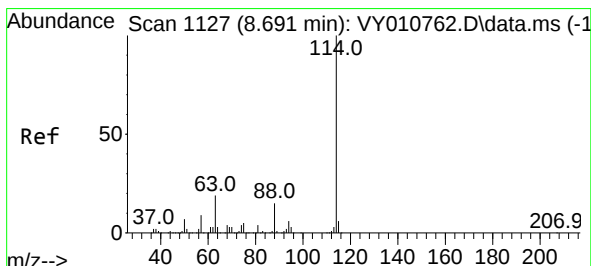
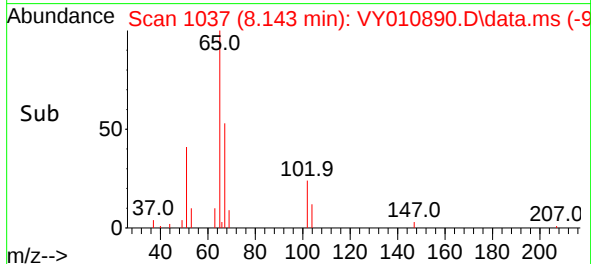
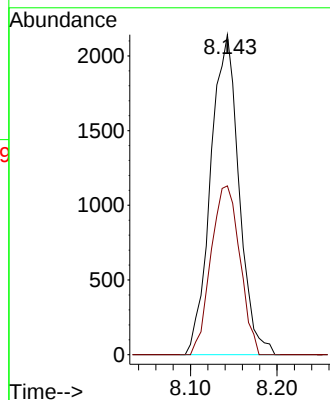
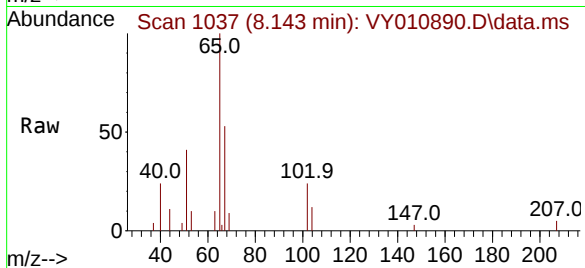
R-3RE

Tgt Ion: 65 Resp: 4872

Ion Ratio Lower Upper

65 100

67 53.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010890.D

Acq: 10 Oct 2022 15:11

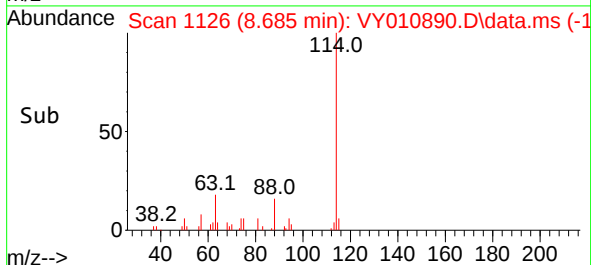
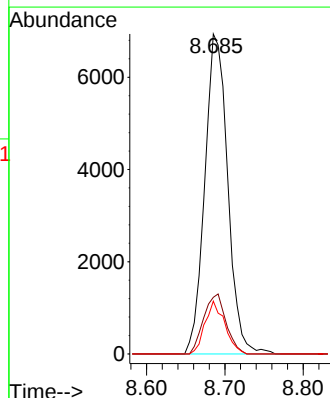
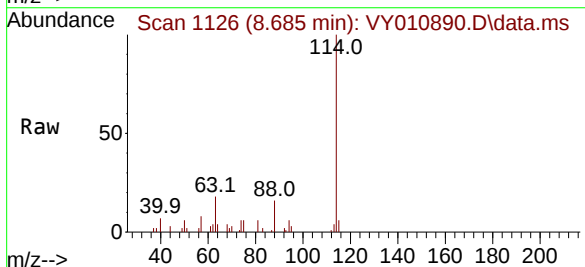
Tgt Ion: 114 Resp: 14106

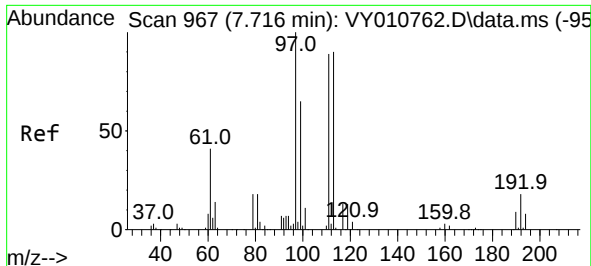
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 16.5 0.0 31.8

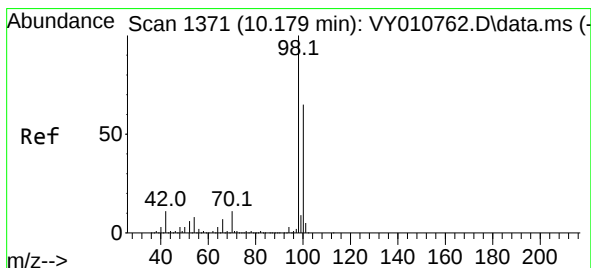
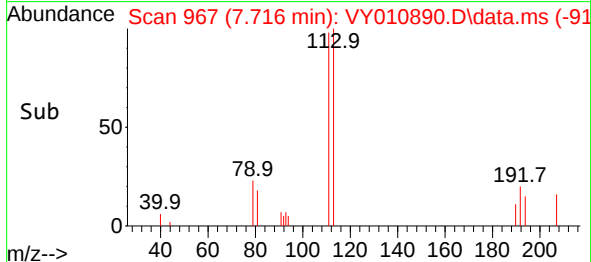
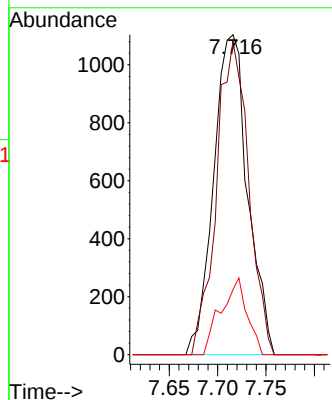
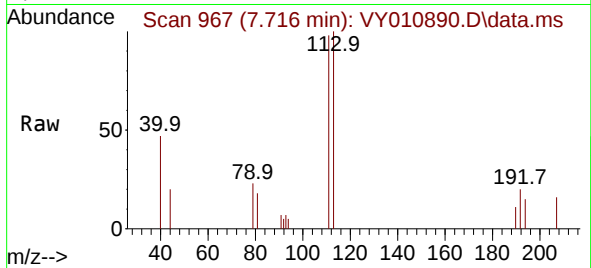




#35  
Dibromofluoromethane  
Concen: 28.974 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY010890.D  
Acq: 10 Oct 2022 15:11

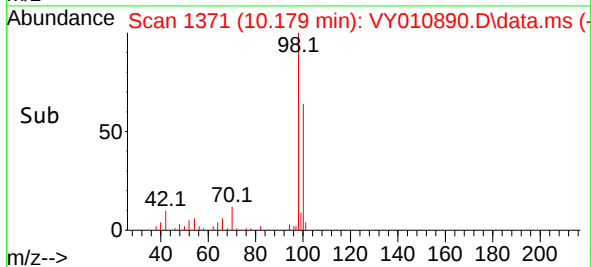
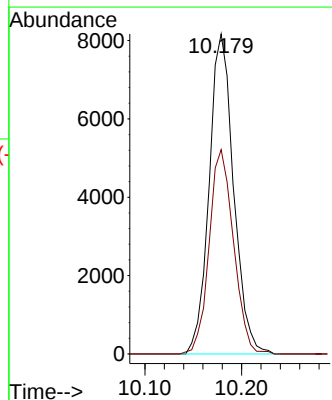
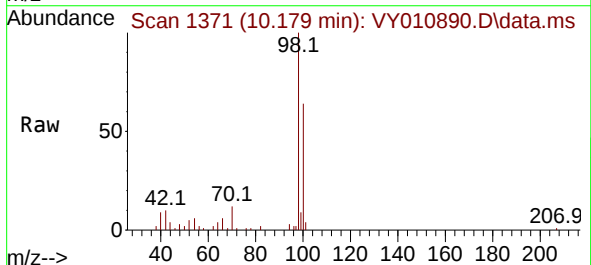
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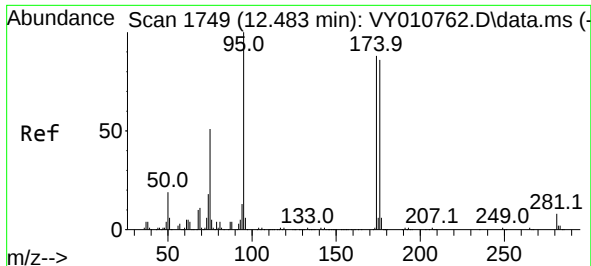
Tgt Ion:113 Resp: 2713  
Ion Ratio Lower Upper  
113 100  
111 92.2 82.6 124.0  
192 18.4 17.6 26.4



#50  
Toluene-d8  
Concen: 44.806 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010890.D  
Acq: 10 Oct 2022 15:11

Tgt Ion: 98 Resp: 14348  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 26.287 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010890.D

Acq: 10 Oct 2022 15:11

Instrument :

MSVOA\_Y

ClientSampleId :

R-3RE

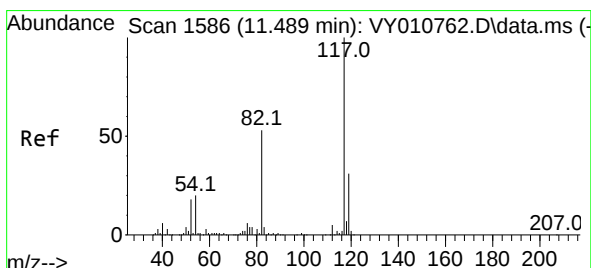
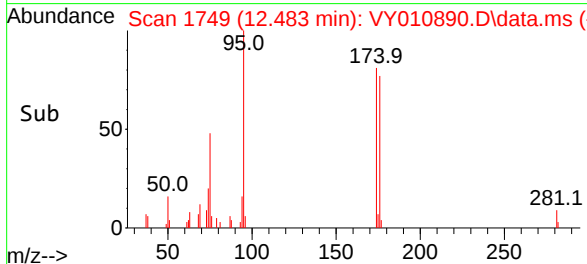
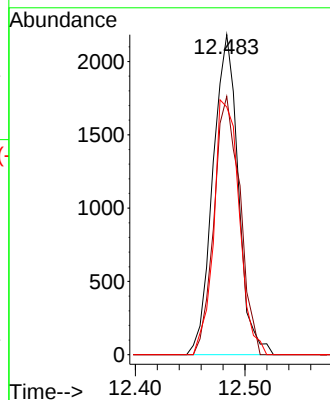
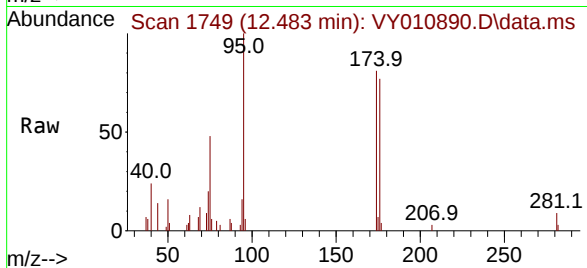
Tgt Ion: 95 Resp: 3507

Ion Ratio Lower Upper

95 100

174 82.3 0.0 177.0

176 79.9 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY010890.D

Acq: 10 Oct 2022 15:11

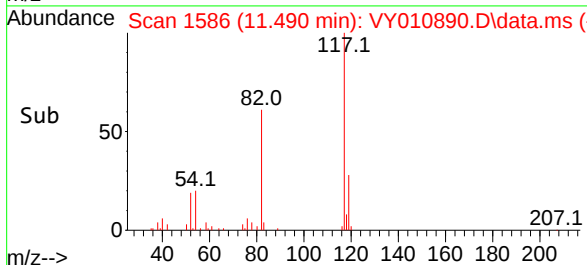
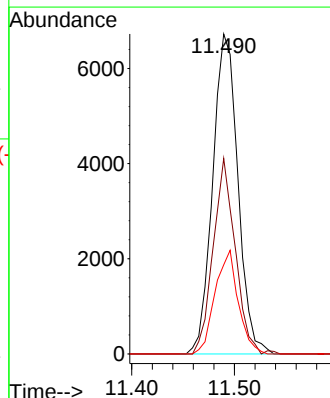
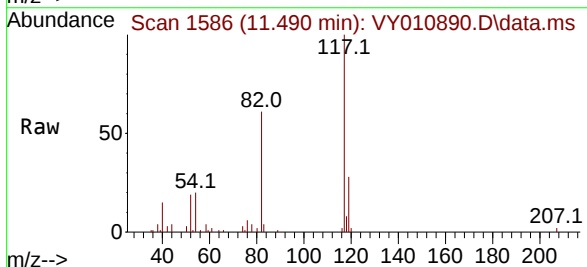
Tgt Ion: 117 Resp: 11439

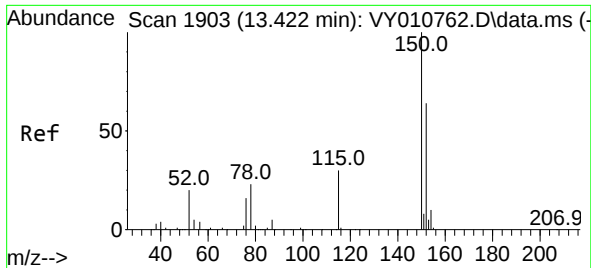
Ion Ratio Lower Upper

117 100

82 61.1 43.0 64.4

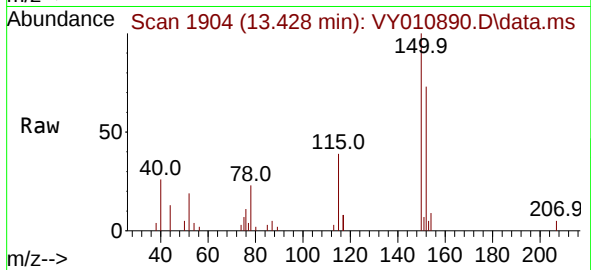
119 27.9 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.006 min  
 Lab File: VY010890.D  
 Acq: 10 Oct 2022 15:11

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 R-3RE



Tgt Ion:152 Resp: 2800  
 Ion Ratio Lower Upper  
 152 100  
 115 58.4 28.2 84.7  
 150 155.8 0.0 347.6

