

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090622\  
 Data File : VY010351.D  
 Acq On : 06 Sep 2022 17:05  
 Operator : KP/MD  
 Sample : N4500-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-24-3.5-4.0

Quant Time: Sep 07 05:55:45 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       | 7.789  | 168   | 63000    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 101437   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 86739    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 36641    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 28292    | 43.796   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 87.600%  |
| 35) Dibromofluoromethane    | 7.710  | 113   | 29149    | 43.165   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 86.340%  |
| 50) Toluene-d8              | 10.179 | 98    | 116580   | 51.564   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 103.120% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 35292    | 37.385   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 74.780%  |

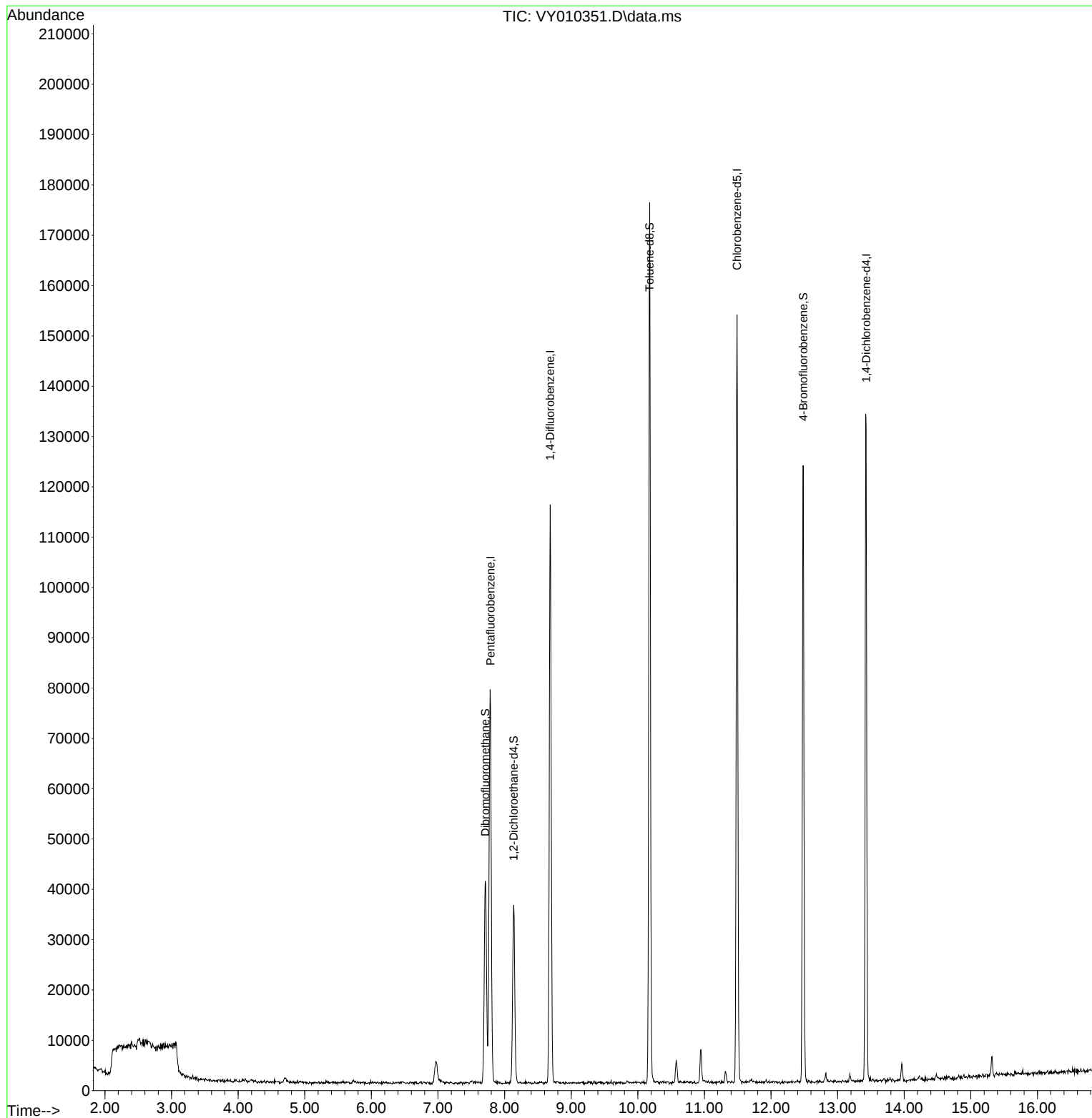
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

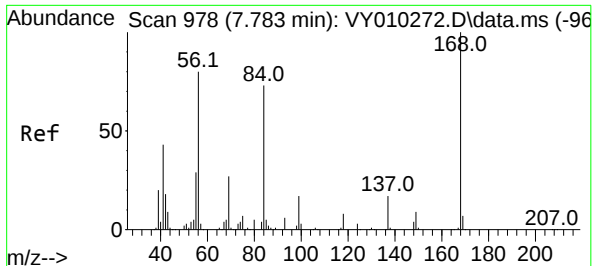
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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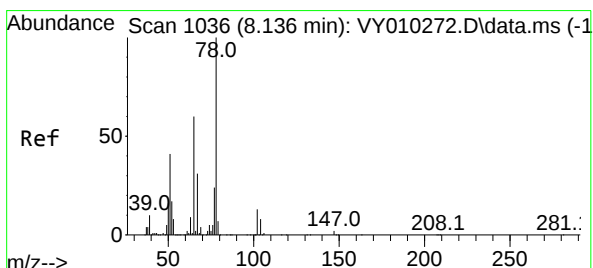
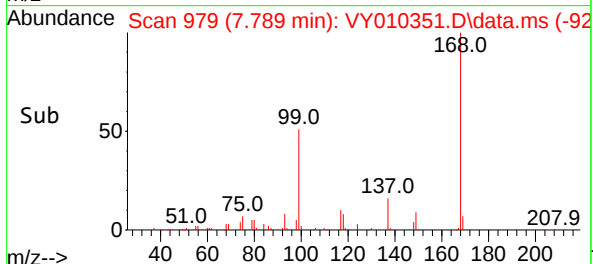
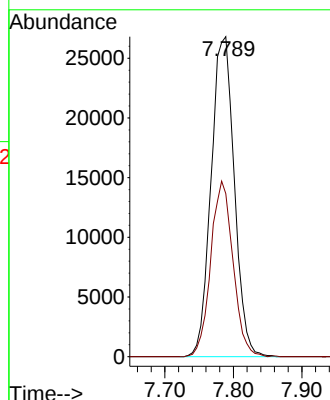
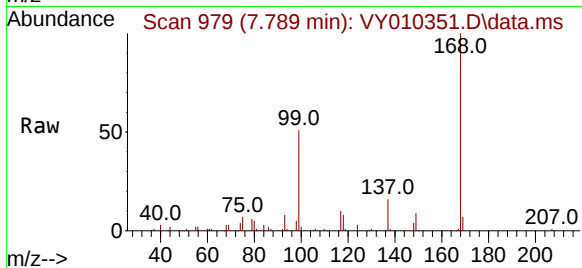




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010351.D  
Acq: 06 Sep 2022 17:05

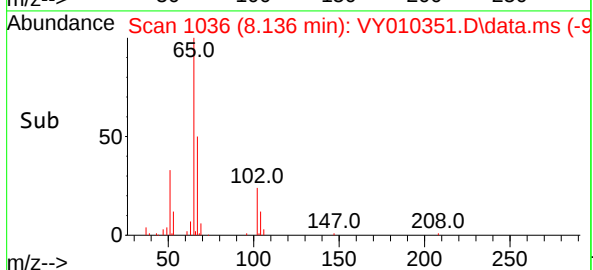
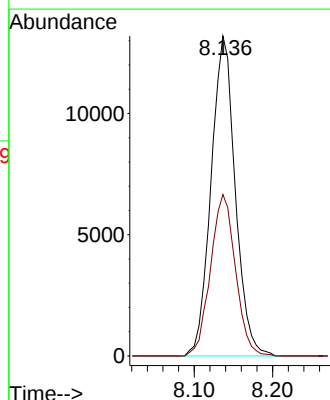
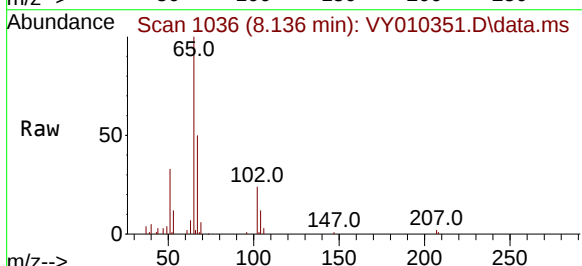
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-24-3.5-4.0

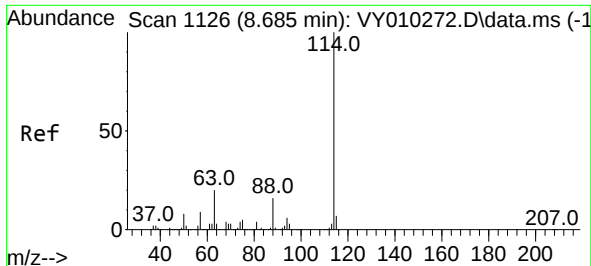
Tgt Ion:168 Resp: 63000  
Ion Ratio Lower Upper  
168 100  
99 50.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 43.796 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY010351.D  
Acq: 06 Sep 2022 17:05

Tgt Ion: 65 Resp: 28292  
Ion Ratio Lower Upper  
65 100  
67 52.1 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: VY010351.D

Acq: 06 Sep 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

SB-24-3.5-4.0

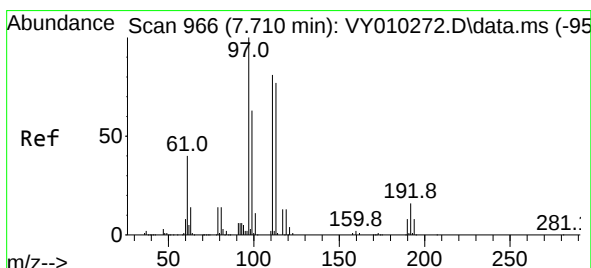
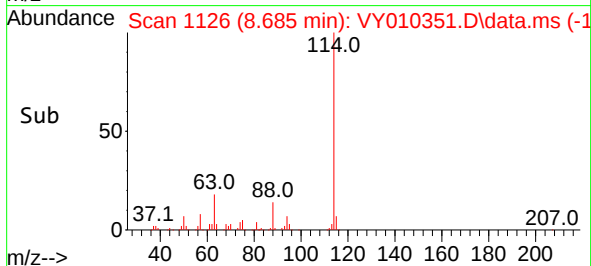
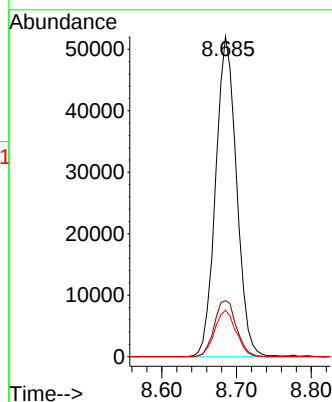
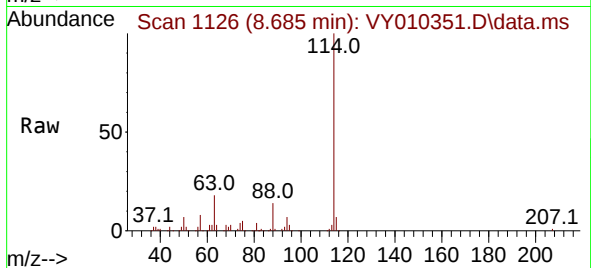
Tgt Ion:114 Resp: 101437

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 14.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.165 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010351.D

Acq: 06 Sep 2022 17:05

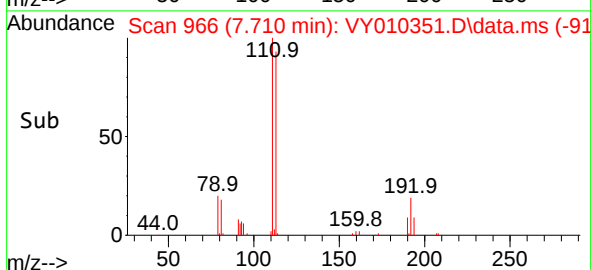
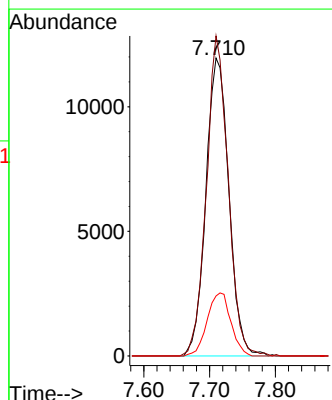
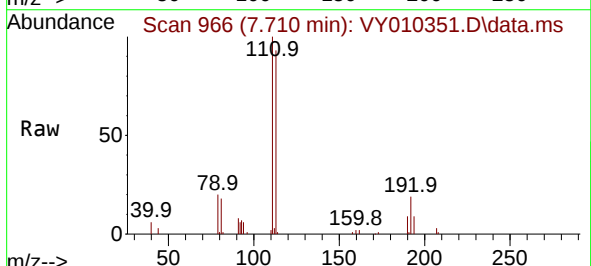
Tgt Ion:113 Resp: 29149

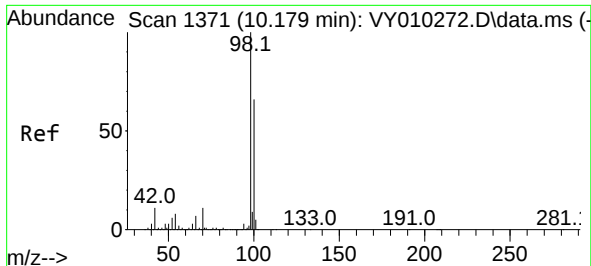
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 21.7 17.6 26.4

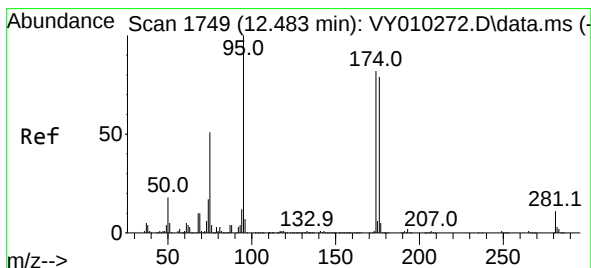
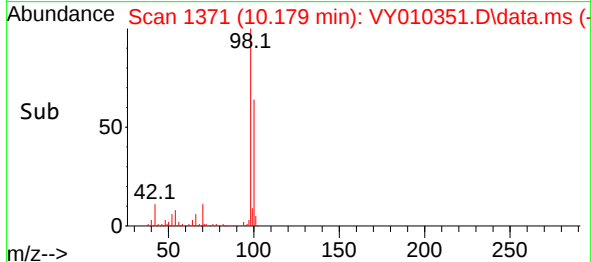
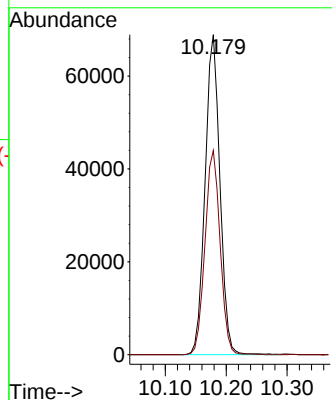
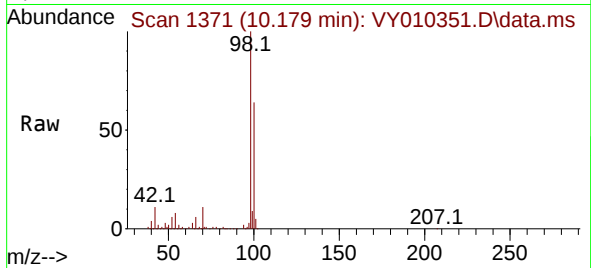




#50  
Toluene-d8  
Concen: 51.564 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010351.D  
Acq: 06 Sep 2022 17:05

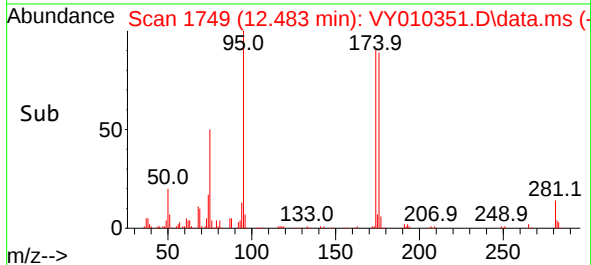
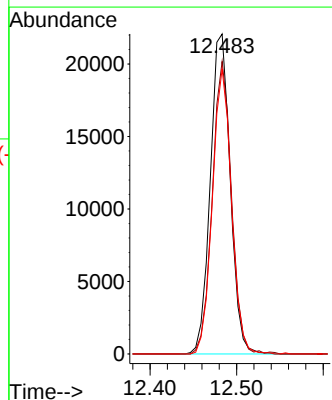
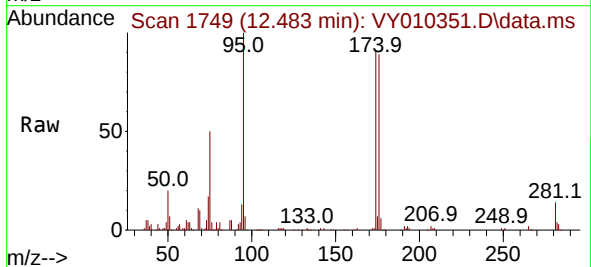
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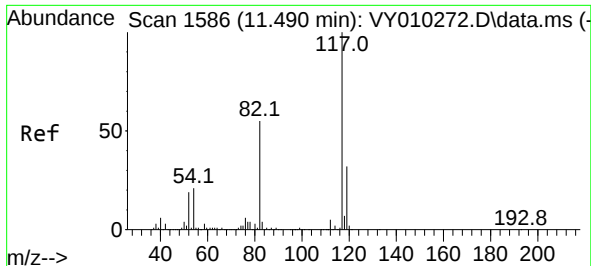
Tgt Ion: 98 Resp: 116580  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 37.385 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010351.D  
Acq: 06 Sep 2022 17:05

Tgt Ion: 95 Resp: 35292  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 177.0  
176 85.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010351.D

Acq: 06 Sep 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

SB-24-3.5-4.0

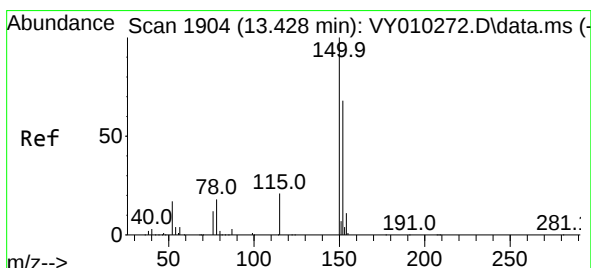
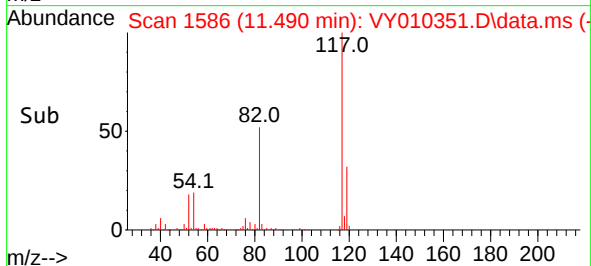
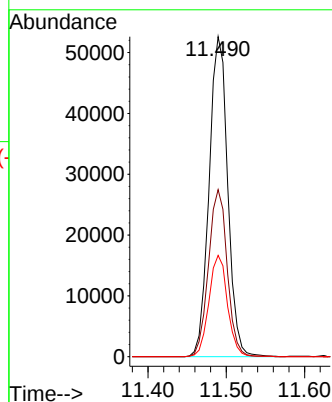
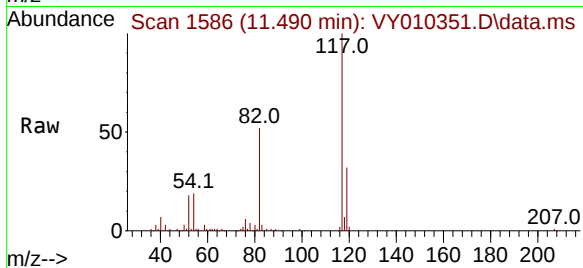
Tgt Ion:117 Resp: 86739

Ion Ratio Lower Upper

117 100

82 52.2 43.0 64.4

119 31.7 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: VY010351.D

Acq: 06 Sep 2022 17:05

Tgt Ion:152 Resp: 36641

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

150 154.1 0.0 347.6

