

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015550.D
 Acq On : 14 Sep 2023 21:48
 Operator : SY/MD
 Sample : 04409-09
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3(0-2)GRAB

Quant Time: Sep 15 04:07:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	352720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	594785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	552527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	259940	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	226663	59.946	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.900%
35) Dibromofluoromethane	7.716	113	188169	54.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.860%
50) Toluene-d8	10.179	98	700606	56.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.940%
62) 4-Bromofluorobenzene	12.483	95	242081	52.562	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.120%

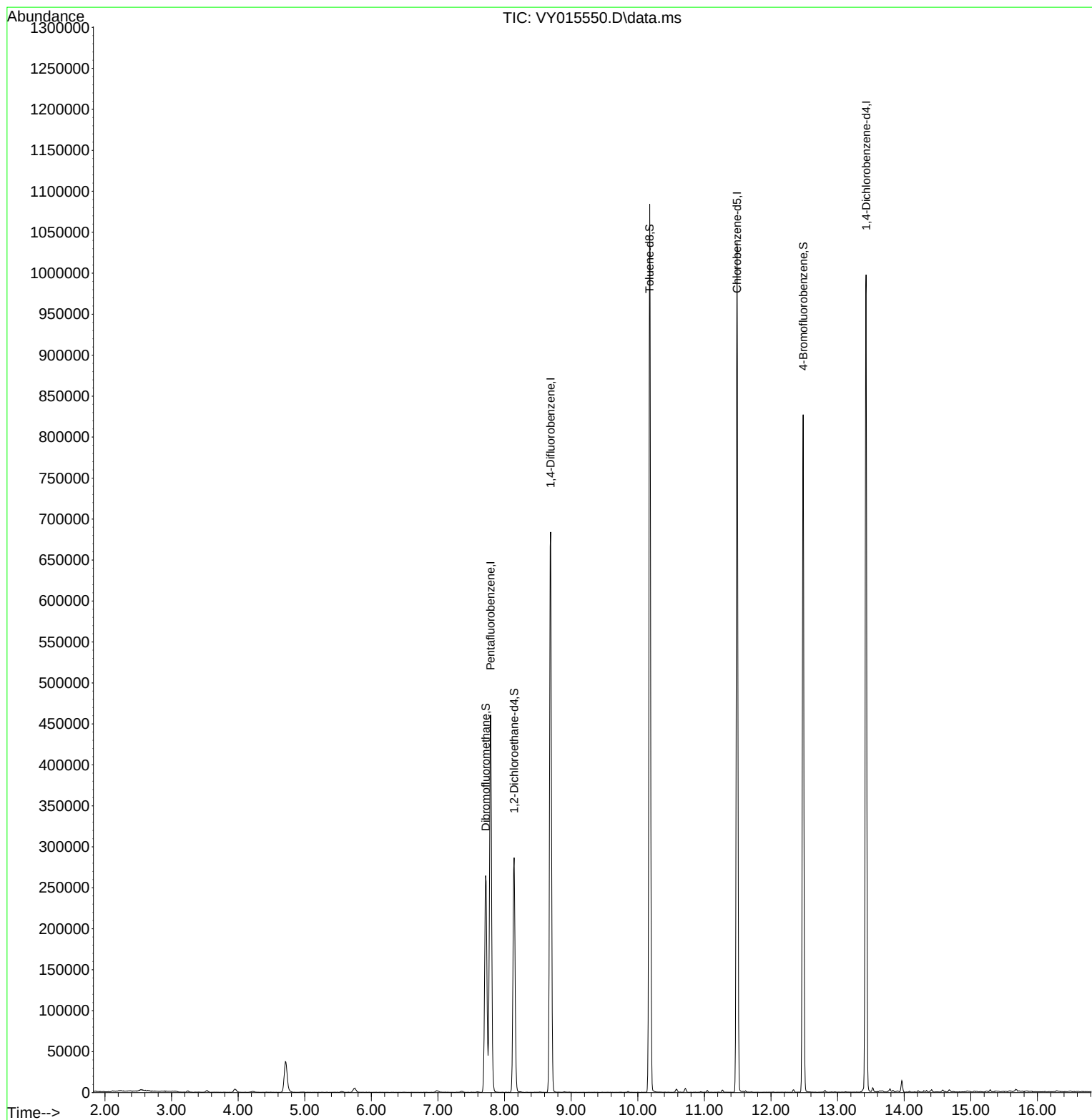
Target Compounds	Qvalue

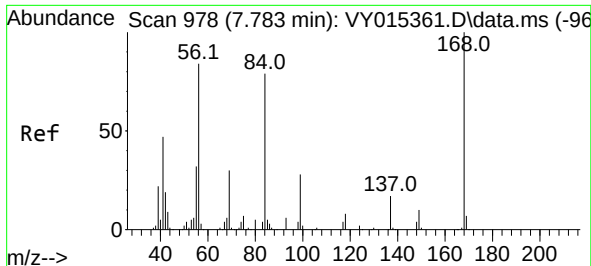
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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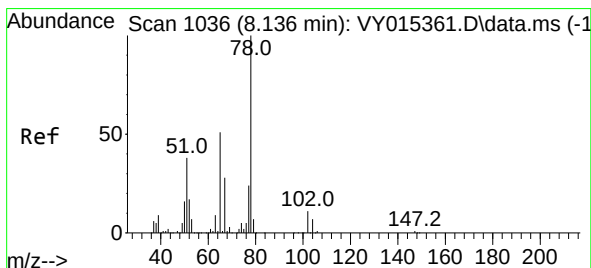
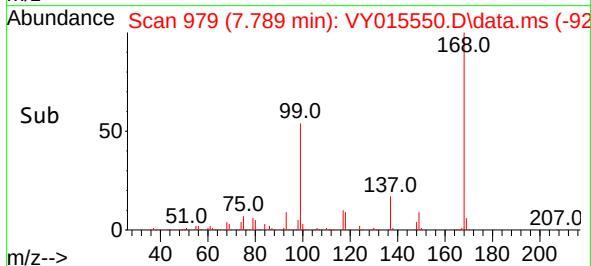
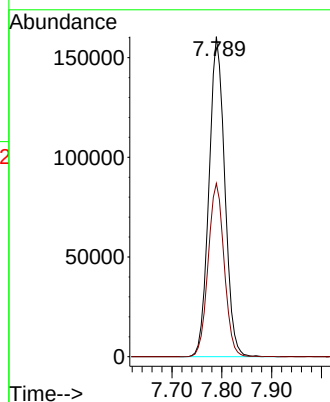
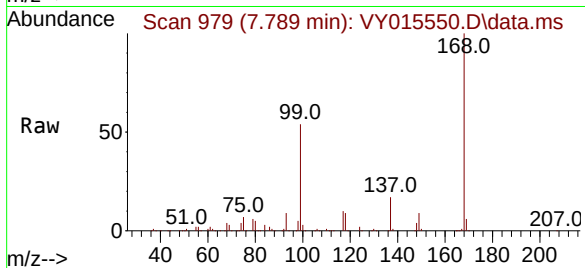




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015550.D
Acq: 14 Sep 2023 21:48

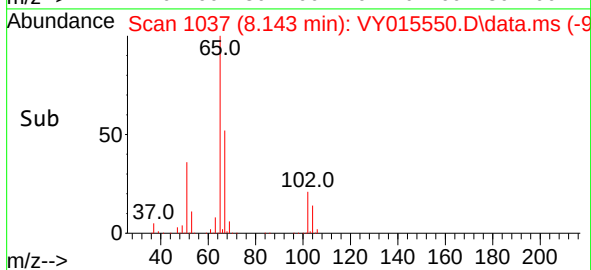
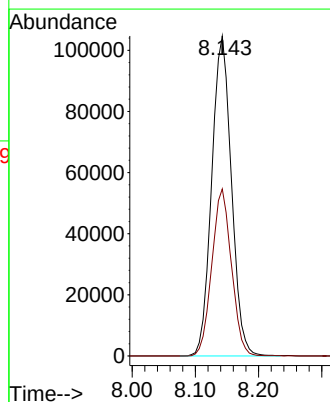
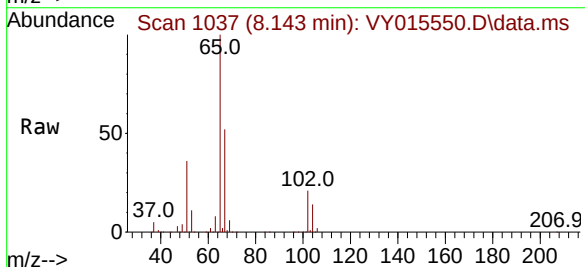
Instrument :
MSVOA_Y
ClientSampleId :
WC-3(0-2)GRAB

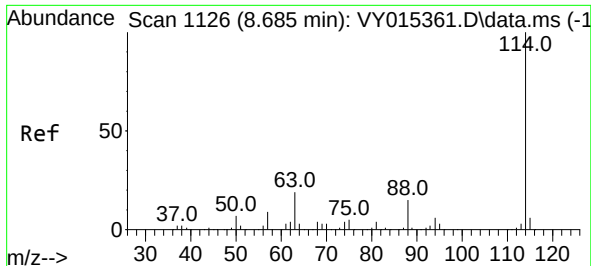
Tgt Ion:168 Resp: 352720
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 59.946 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015550.D
Acq: 14 Sep 2023 21:48

Tgt Ion: 65 Resp: 226663
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8

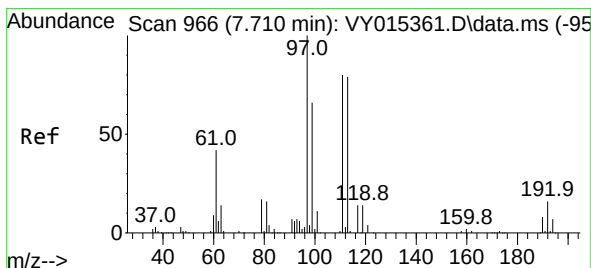
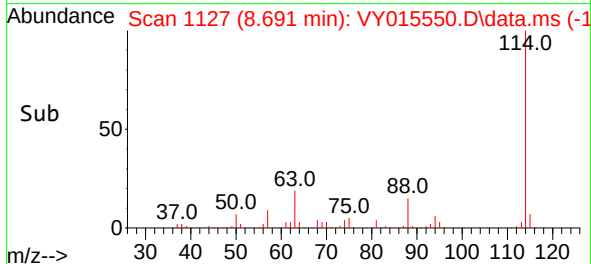
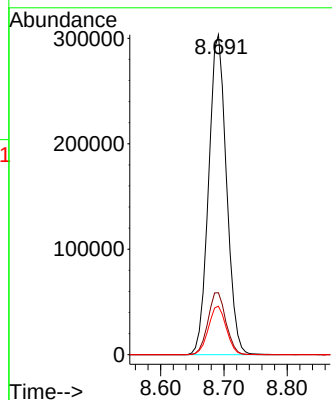
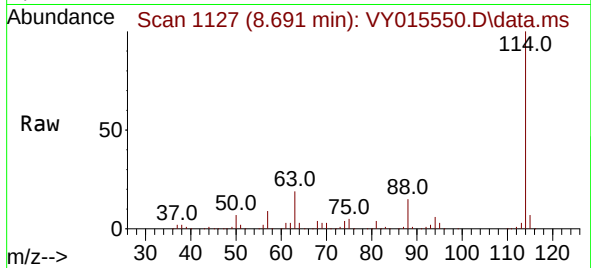




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015550.D
Acq: 14 Sep 2023 21:48

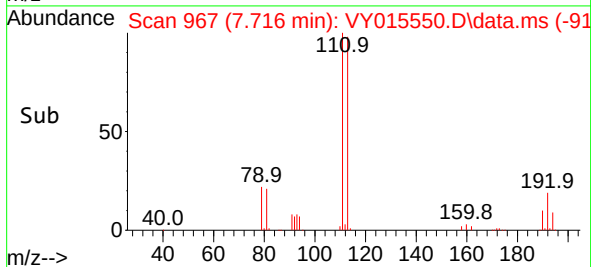
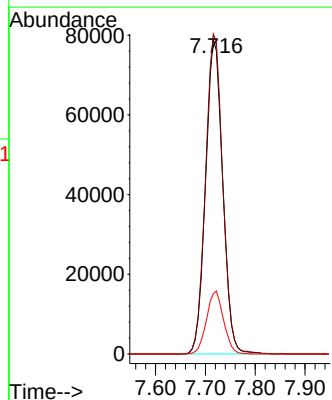
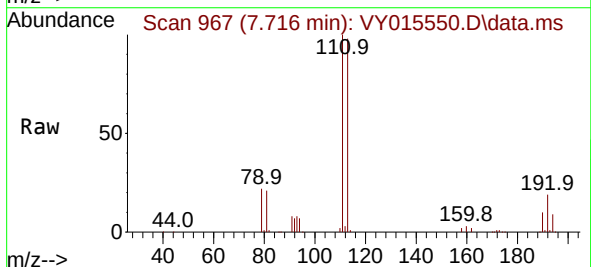
Instrument :
MSVOA_Y
ClientSampleId :
WC-3(0-2)GRAB

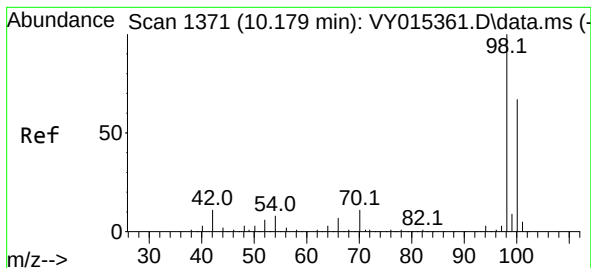
Tgt Ion:114 Resp: 594785
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.926 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015550.D
Acq: 14 Sep 2023 21:48

Tgt Ion:113 Resp: 188169
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.9 16.9 25.3





#50

Toluene-d8

Concen: 56.472 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015550.D

Acq: 14 Sep 2023 21:48

Instrument :

MSVOA_Y

ClientSampleId :

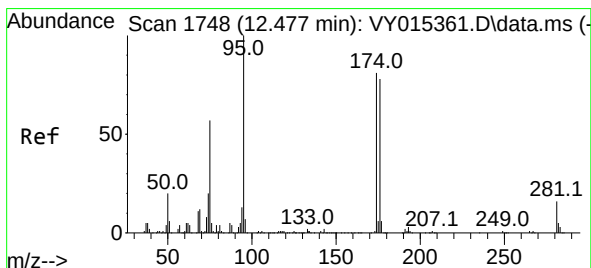
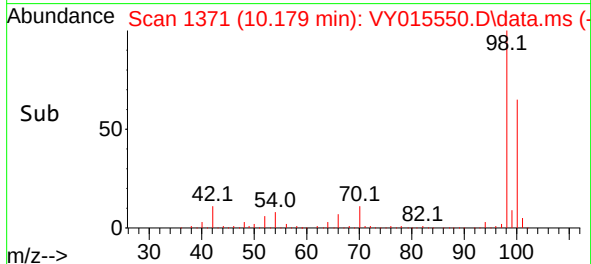
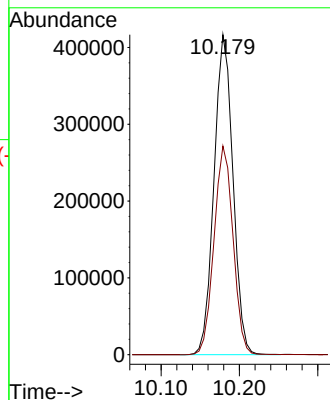
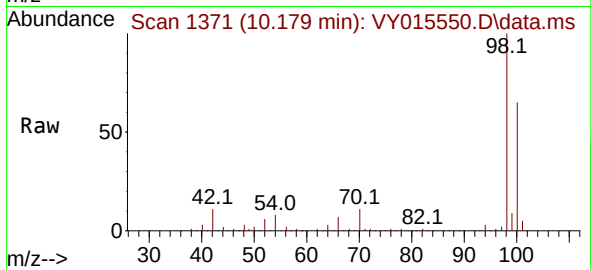
WC-3(0-2)GRAB

Tgt Ion: 98 Resp: 700606

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 52.562 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015550.D

Acq: 14 Sep 2023 21:48

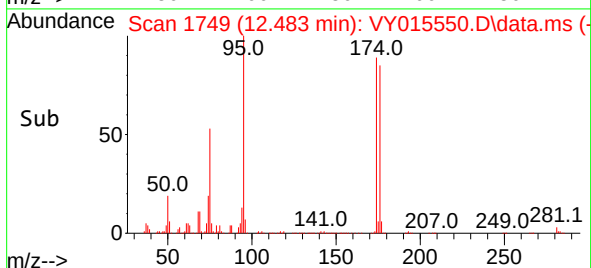
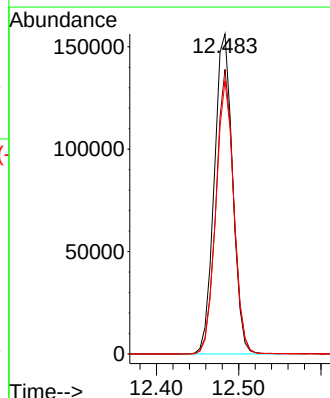
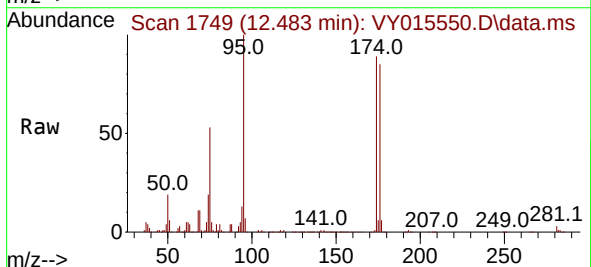
Tgt Ion: 95 Resp: 242081

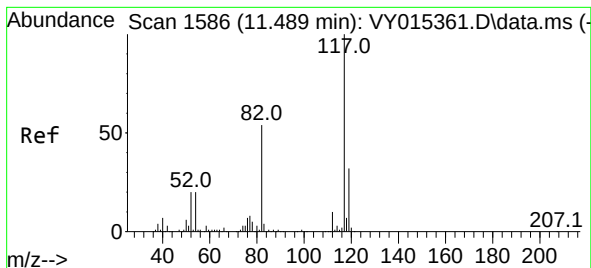
Ion Ratio Lower Upper

95 100

174 85.6 0.0 178.2

176 83.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015550.D

Acq: 14 Sep 2023 21:48

Instrument :

MSVOA_Y

ClientSampleId :

WC-3(0-2)GRAB

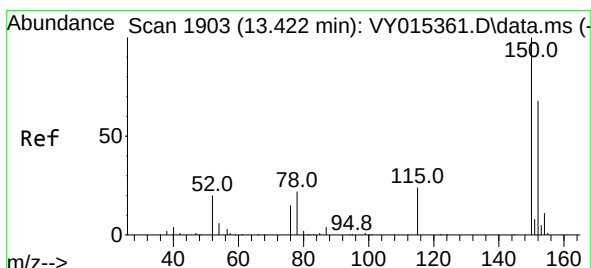
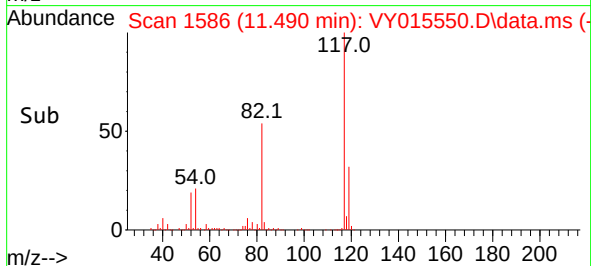
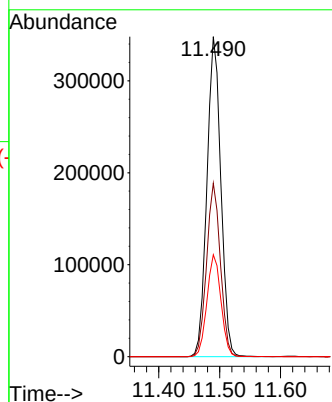
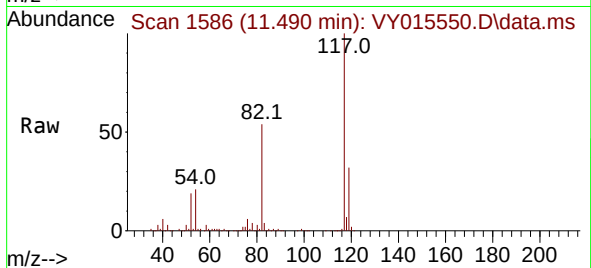
Tgt Ion:117 Resp: 552527

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015550.D

Acq: 14 Sep 2023 21:48

Tgt Ion:152 Resp: 259940

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 156.5 0.0 348.8

