

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015579.D
 Acq On : 15 Sep 2023 19:00
 Operator : SY/MD
 Sample : 04423-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-09132023

Quant Time: Sep 15 23:00:23 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	88487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	146698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	128734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55099	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55639	58.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.320%
35) Dibromofluoromethane	7.716	113	47579	56.310	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.620%
50) Toluene-d8	10.179	98	171044	55.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.800%
62) 4-Bromofluorobenzene	12.477	95	53440	47.045	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.080%

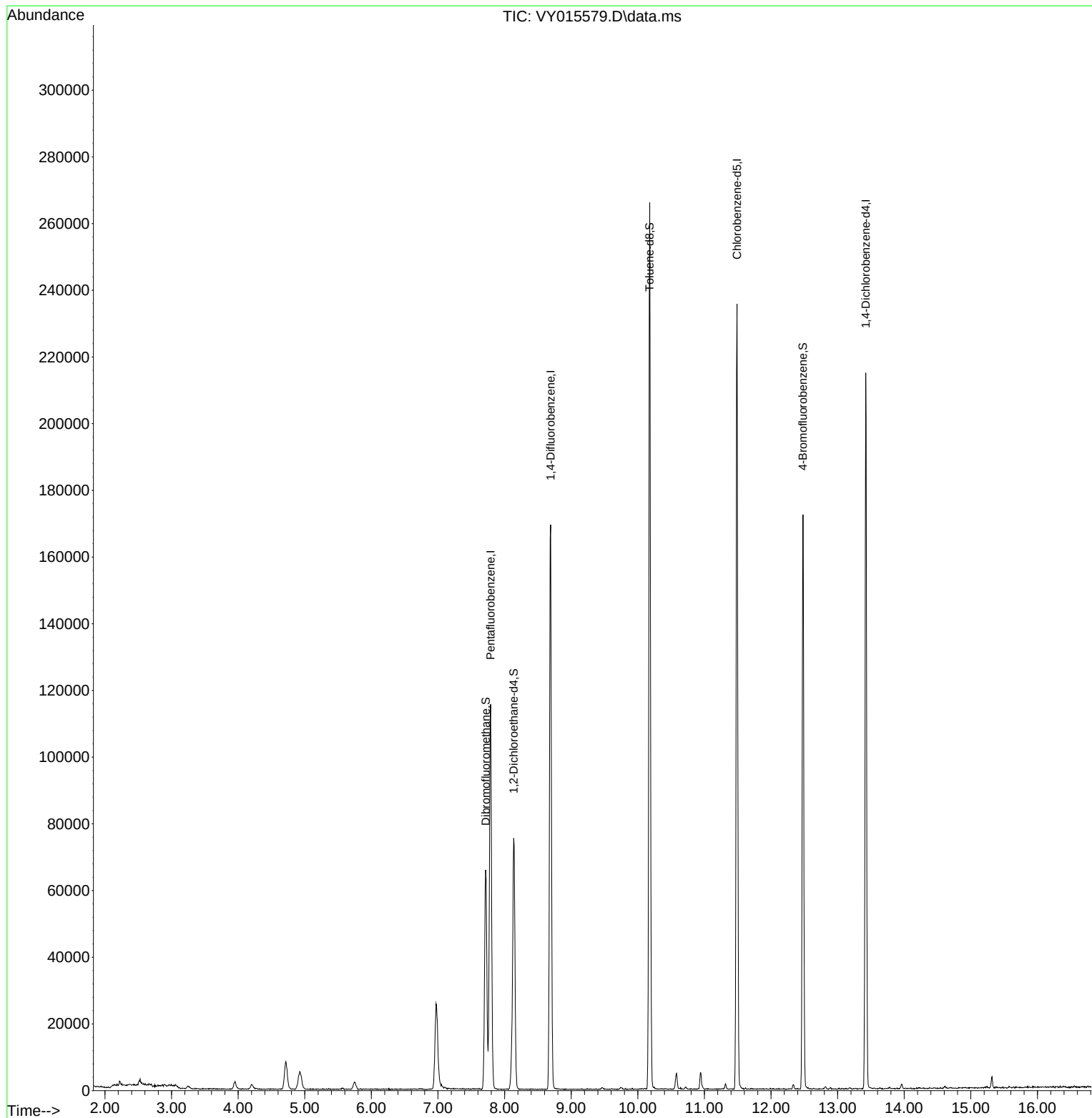
Target Compounds	Qvalue

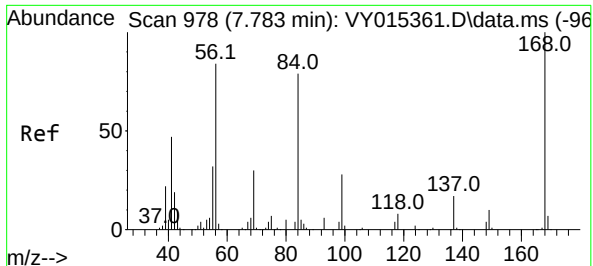
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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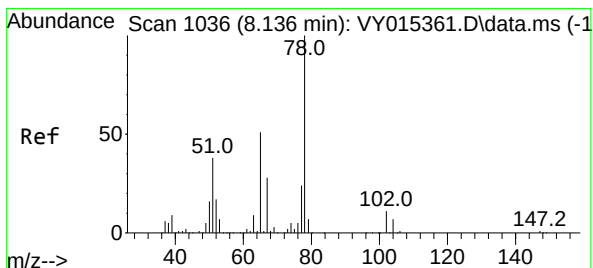
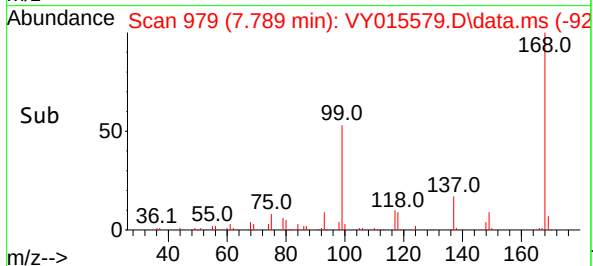
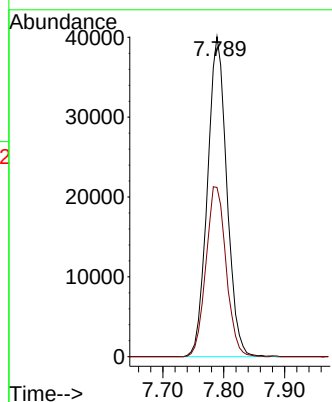
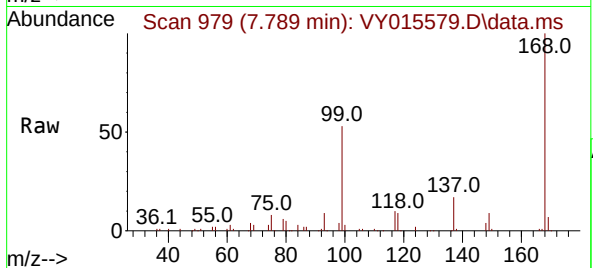




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015579.D
Acq: 15 Sep 2023 19:00

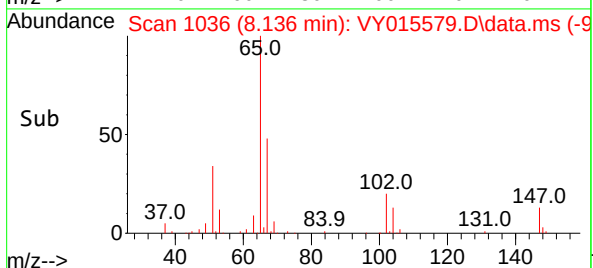
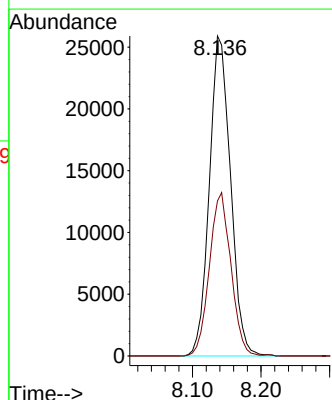
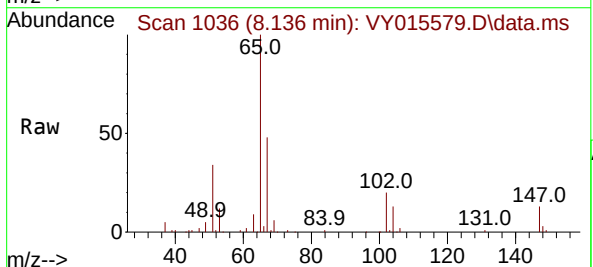
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-09132023

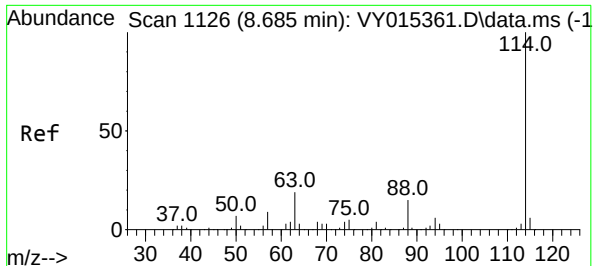
Tgt Ion:168 Resp: 88487
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 58.656 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015579.D
Acq: 15 Sep 2023 19:00

Tgt Ion: 65 Resp: 55639
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: VY015579.D

Acq: 15 Sep 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-09132023

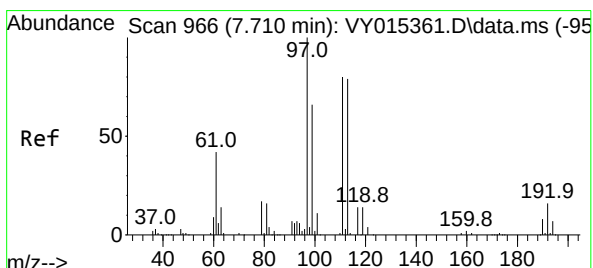
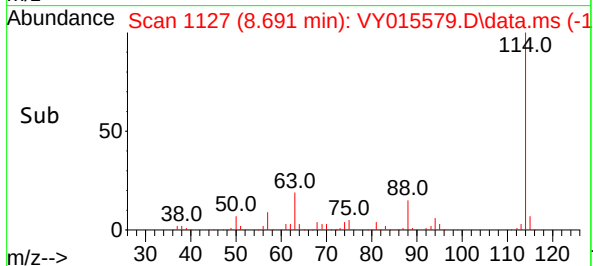
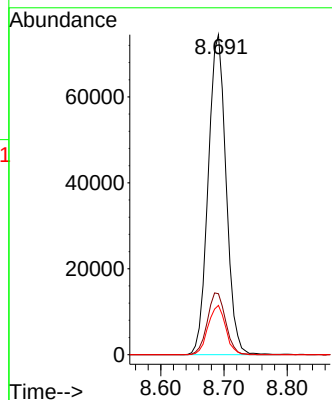
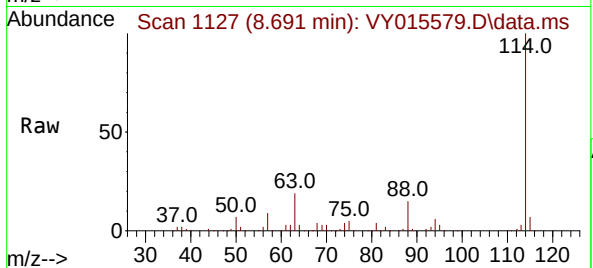
Tgt Ion:114 Resp: 146698

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.310 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015579.D

Acq: 15 Sep 2023 19:00

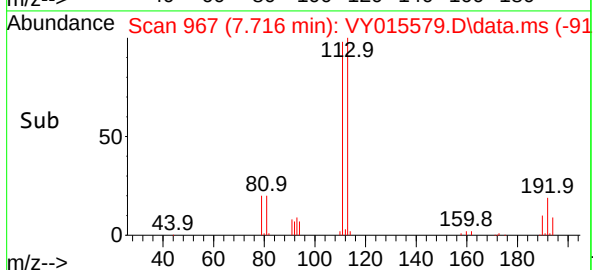
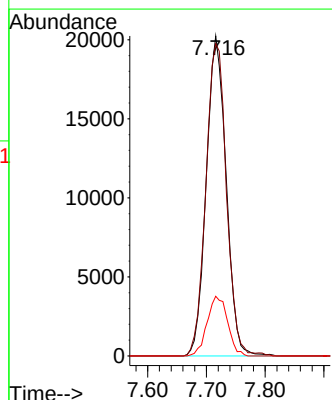
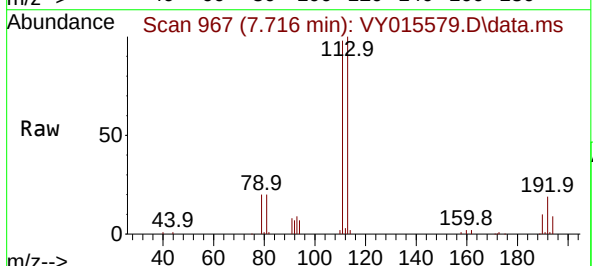
Tgt Ion:113 Resp: 47579

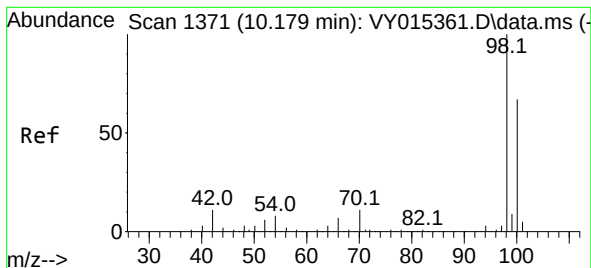
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 19.2 16.9 25.3





#50

Toluene-d8

Concen: 55.899 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015579.D

Acq: 15 Sep 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

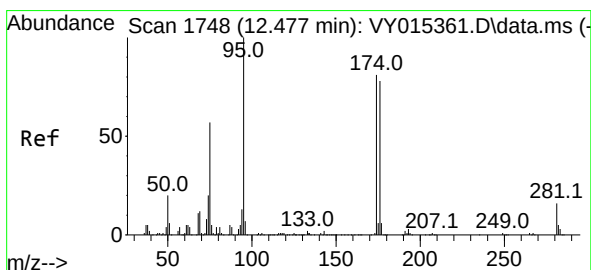
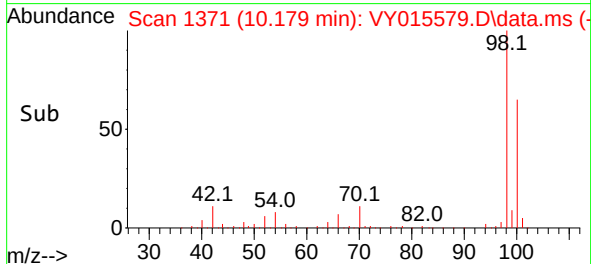
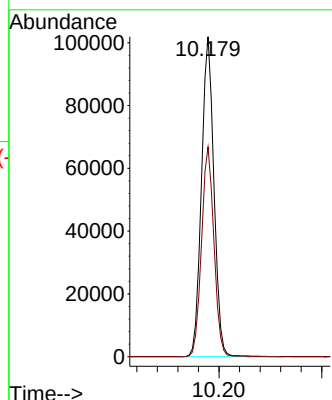
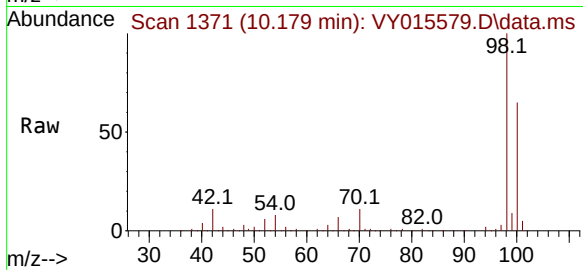
HD-01-09132023

Tgt Ion: 98 Resp: 171044

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 47.045 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015579.D

Acq: 15 Sep 2023 19:00

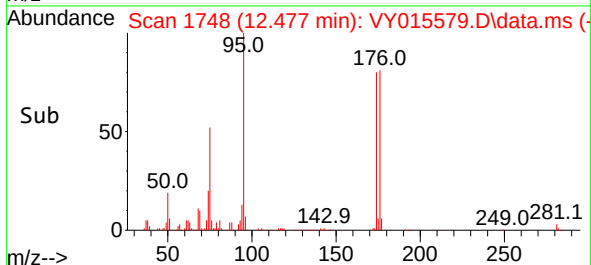
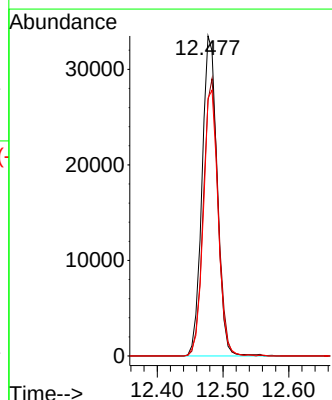
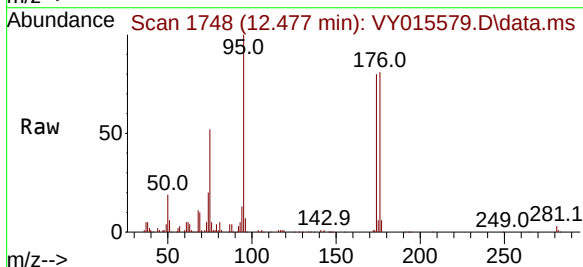
Tgt Ion: 95 Resp: 53440

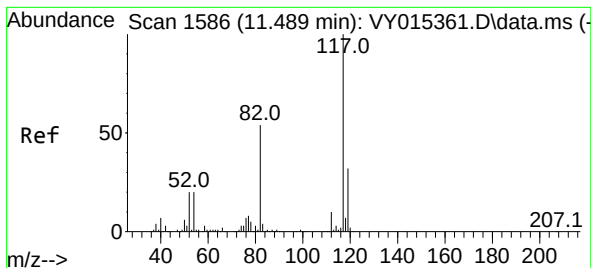
Ion Ratio Lower Upper

95 100

174 85.4 0.0 178.2

176 81.5 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: VY015579.D

Acq: 15 Sep 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-09132023

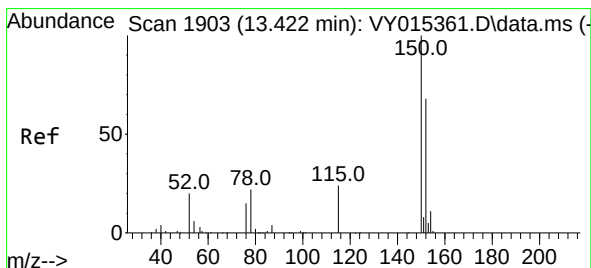
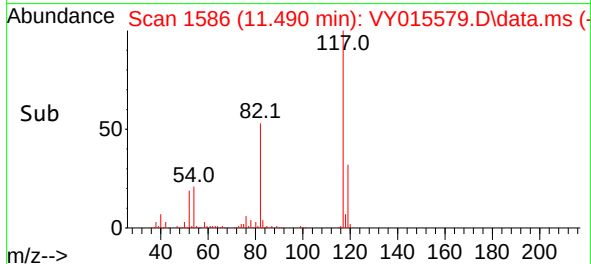
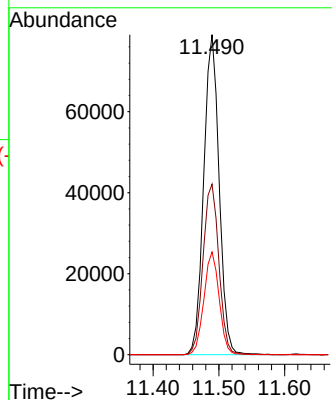
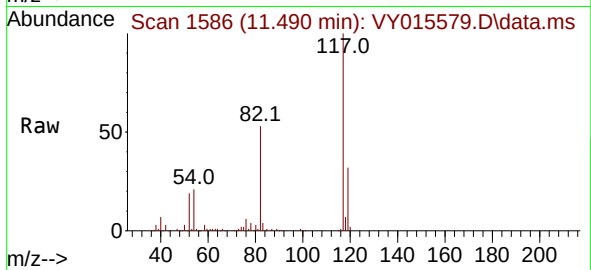
Tgt Ion:117 Resp: 128734

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.1 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: VY015579.D

Acq: 15 Sep 2023 19:00

Tgt Ion:152 Resp: 55099

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 158.5 0.0 348.8

