

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015710.D
 Acq On : 26 Sep 2023 15:39
 Operator : SY/MD
 Sample : 04604-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-092523

Quant Time: Sep 27 01:33:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	123601	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	214042	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	198432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93125	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83773	61.600	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.200%
35) Dibromofluoromethane	7.722	113	69876	54.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.080%
50) Toluene-d8	10.185	98	253929	58.458	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.920%
62) 4-Bromofluorobenzene	12.483	95	84489	49.564	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.120%

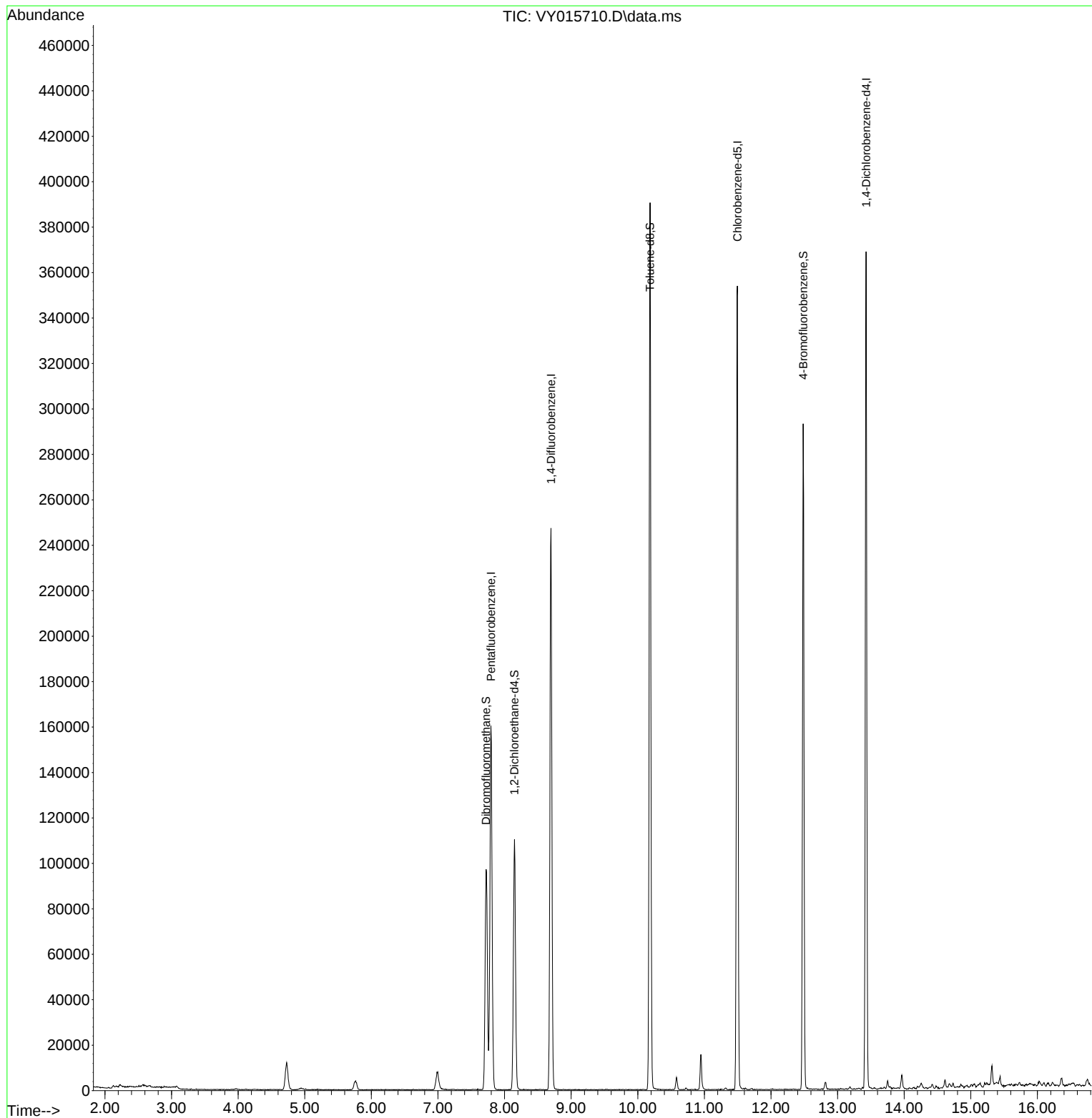
Target Compounds	Qvalue

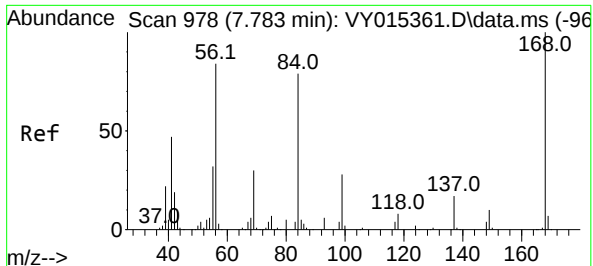
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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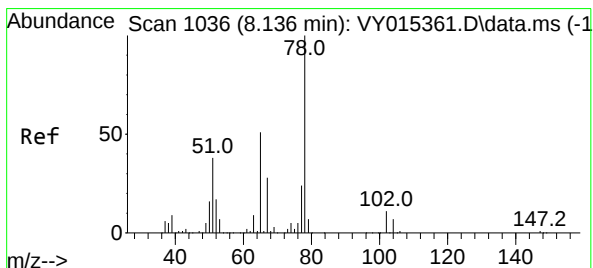
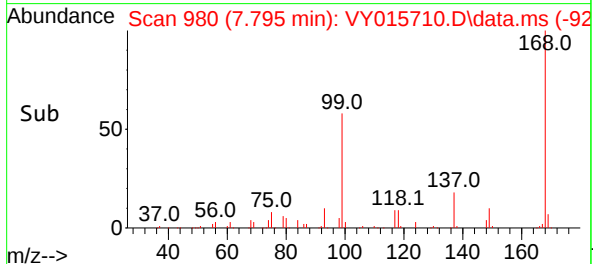
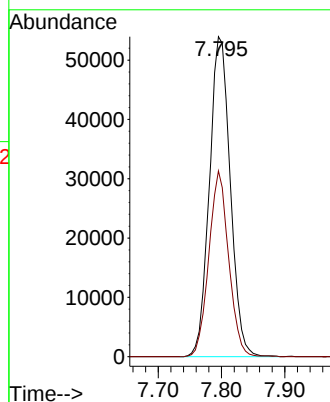
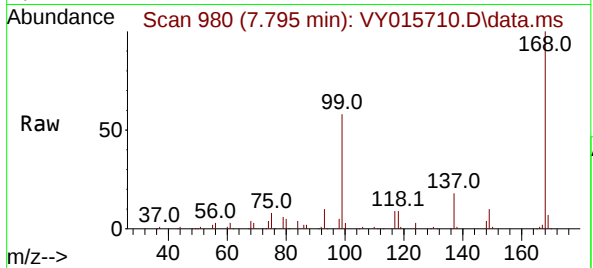




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015710.D
Acq: 26 Sep 2023 15:39

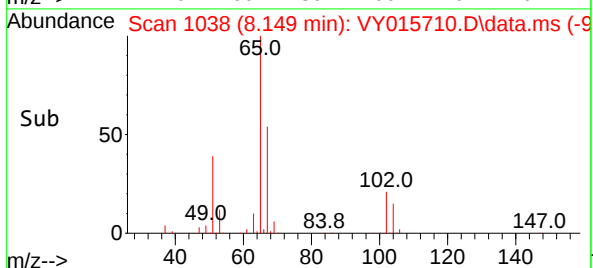
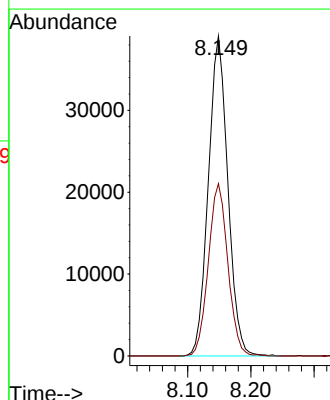
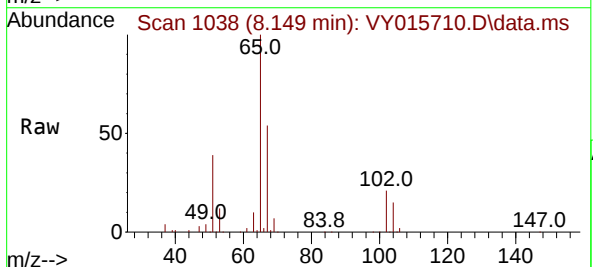
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-092523

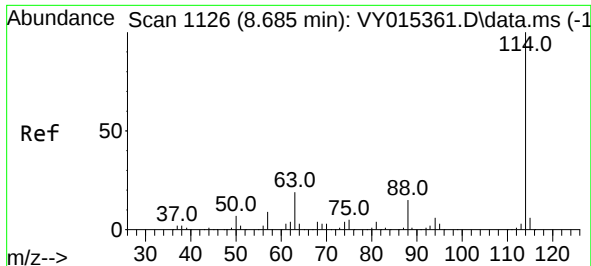
Tgt Ion:168 Resp: 123601
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 61.600 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015710.D
Acq: 26 Sep 2023 15:39

Tgt Ion: 65 Resp: 83773
Ion Ratio Lower Upper
65 100
67 54.0 0.0 101.8

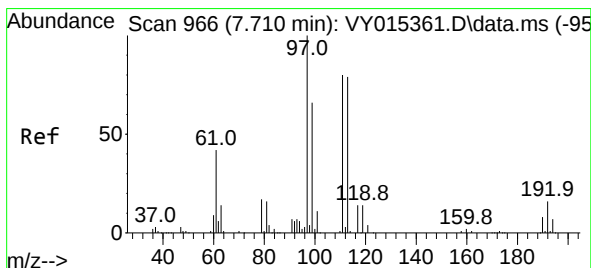
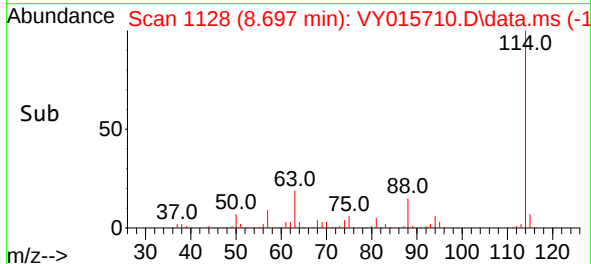
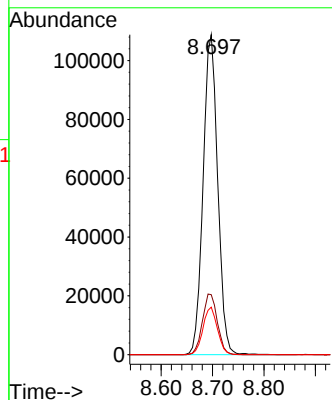
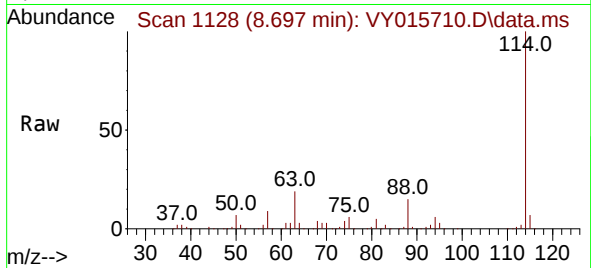




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VY015710.D
Acq: 26 Sep 2023 15:39

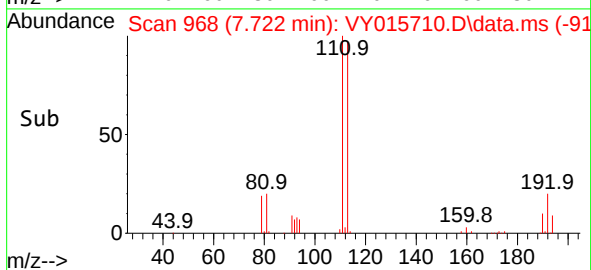
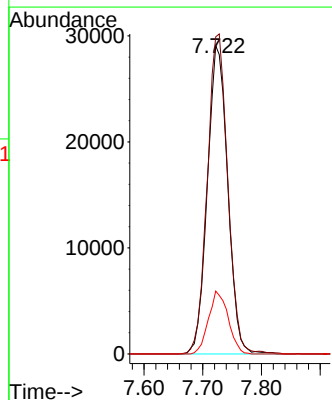
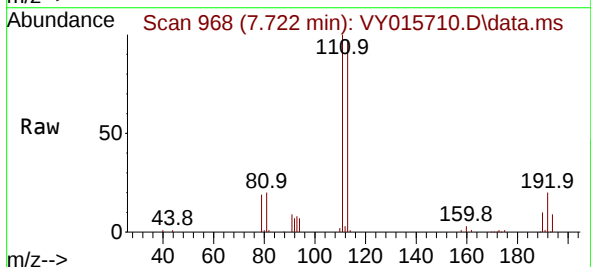
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-092523

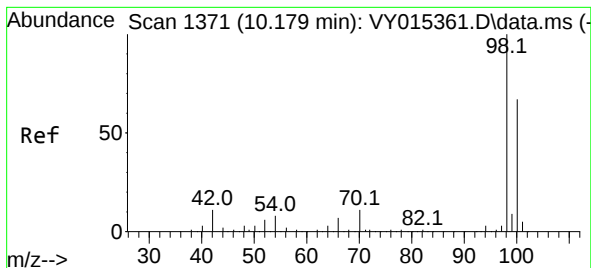
Tgt Ion:114 Resp: 214042
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.543 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY015710.D
Acq: 26 Sep 2023 15:39

Tgt Ion:113 Resp: 69876
Ion Ratio Lower Upper
113 100
111 104.9 81.3 121.9
192 19.7 16.9 25.3





#50

Toluene-d8

Concen: 58.458 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015710.D

Acq: 26 Sep 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :

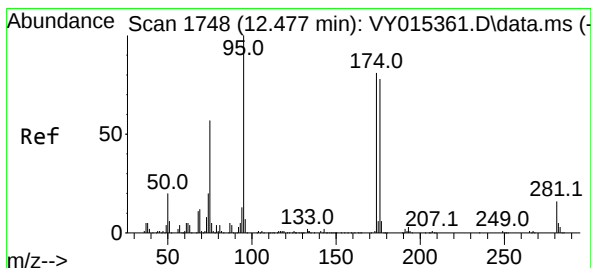
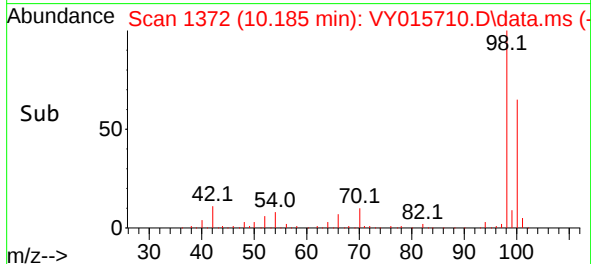
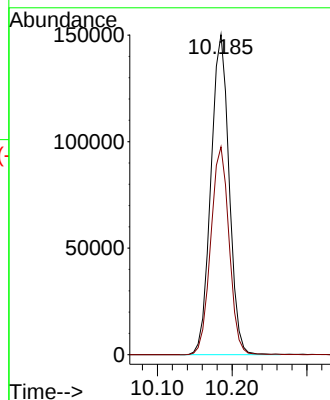
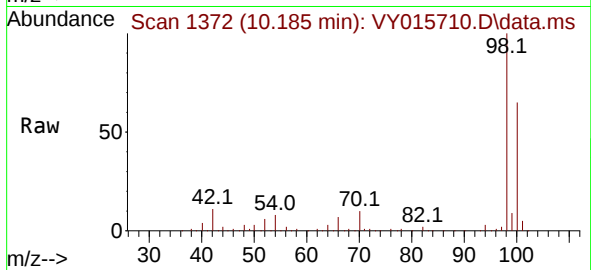
TR-04-092523

Tgt Ion: 98 Resp: 253929

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.564 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015710.D

Acq: 26 Sep 2023 15:39

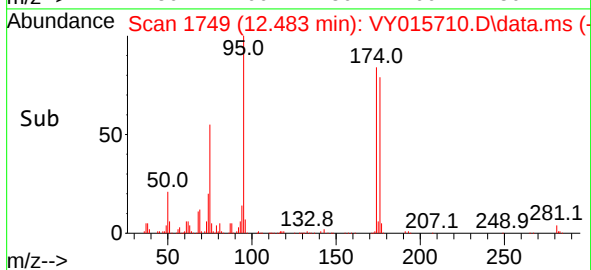
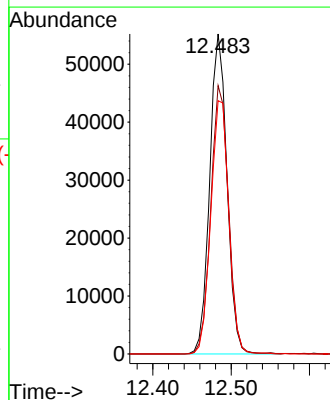
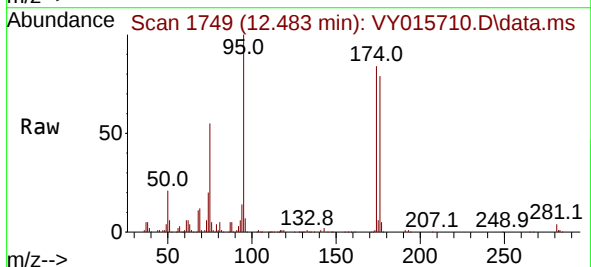
Tgt Ion: 95 Resp: 84489

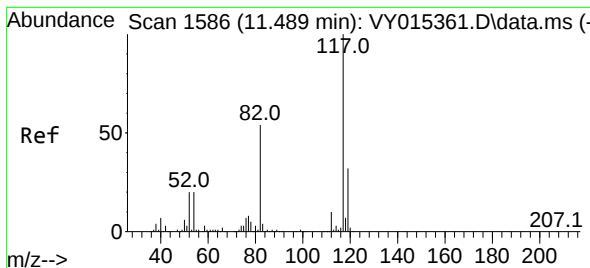
Ion Ratio Lower Upper

95 100

174 85.9 0.0 178.2

176 82.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY015710.D

Acq: 26 Sep 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-092523

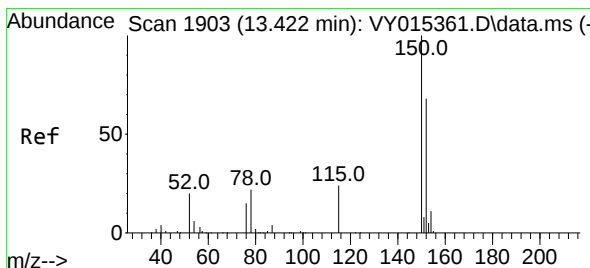
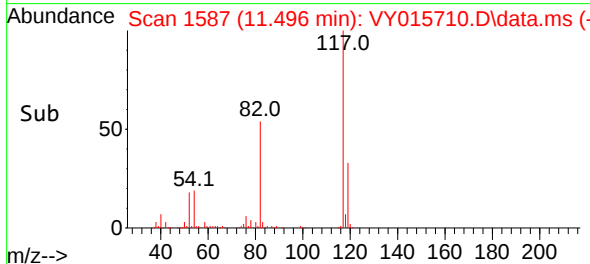
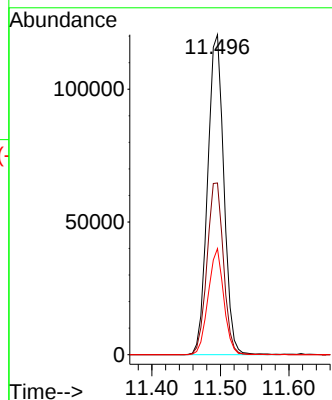
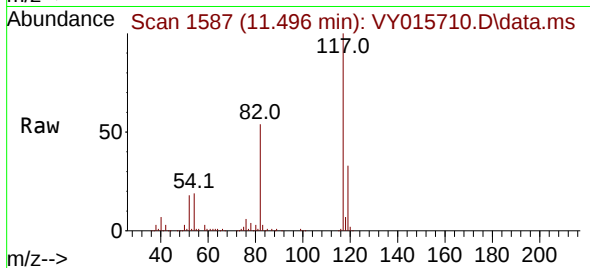
Tgt Ion:117 Resp: 198432

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 33.2 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: VY015710.D

Acq: 26 Sep 2023 15:39

Tgt Ion:152 Resp: 93125

Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 156.6 0.0 348.8

