

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015611.D
 Acq On : 18 Sep 2023 13:24
 Operator : SY/MD
 Sample : VY0918SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0918SBL01

Quant Time: Sep 18 17:31:31 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	150828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	258011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	234818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108881	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	96791	59.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.720%
35) Dibromofluoromethane	7.716	113	81240	54.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.340%
50) Toluene-d8	10.179	98	300594	55.855	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.720%
62) 4-Bromofluorobenzene	12.483	95	103392	51.751	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.500%

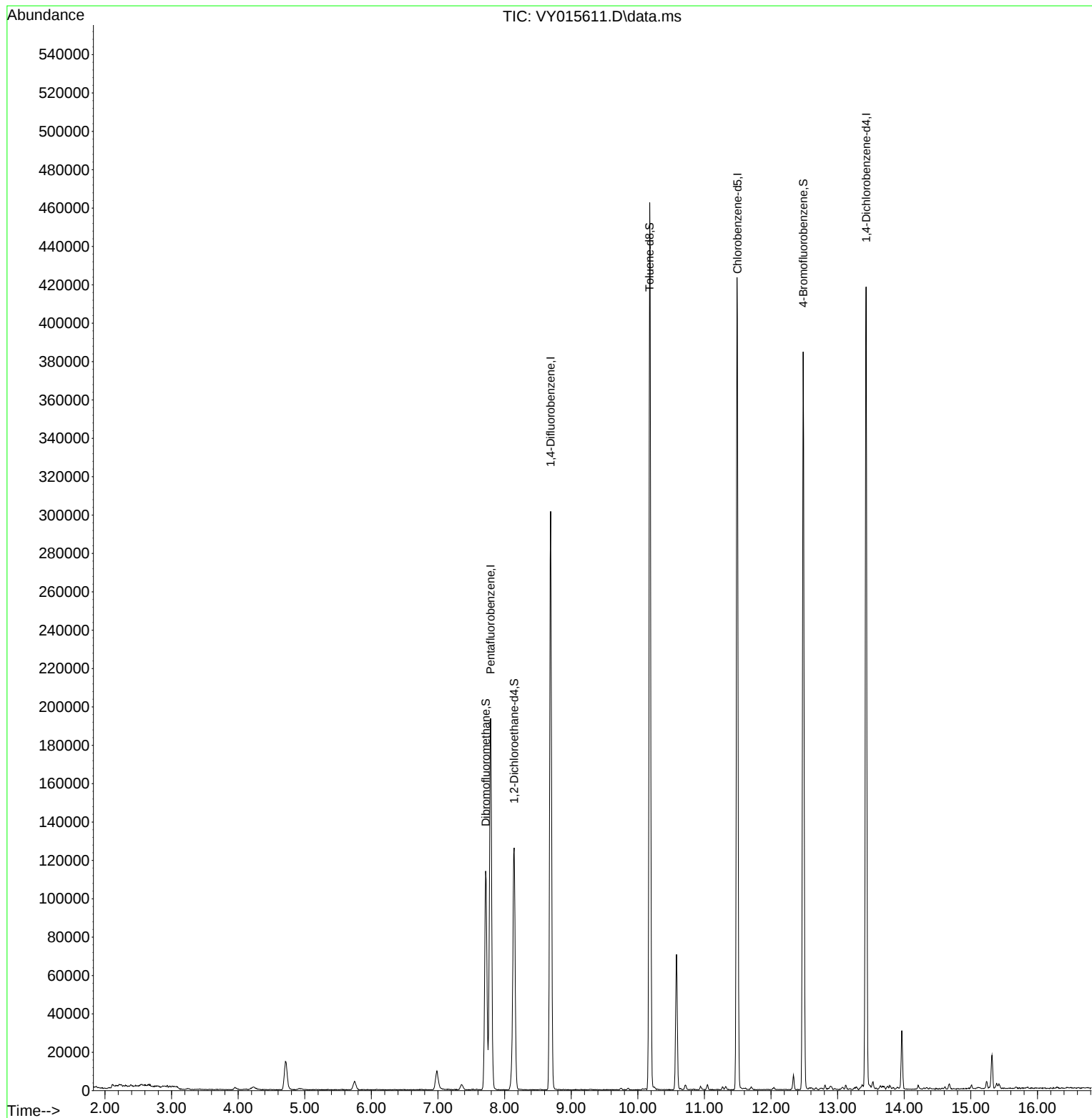
Target Compounds	Qvalue

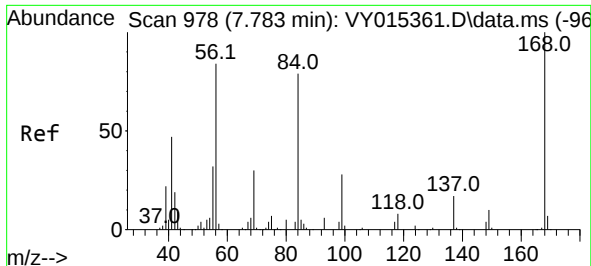
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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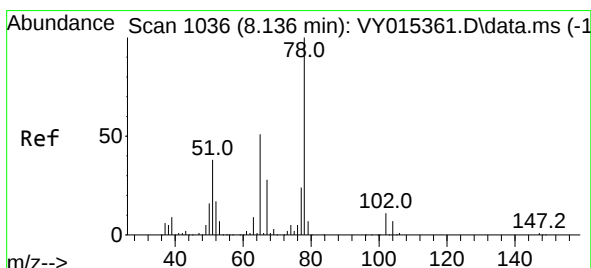
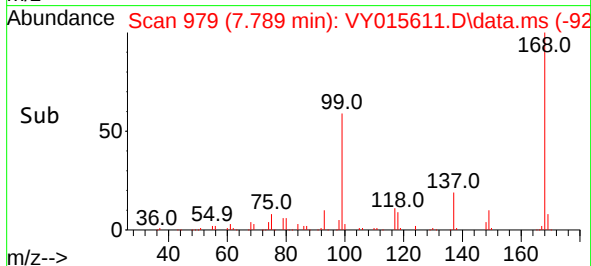
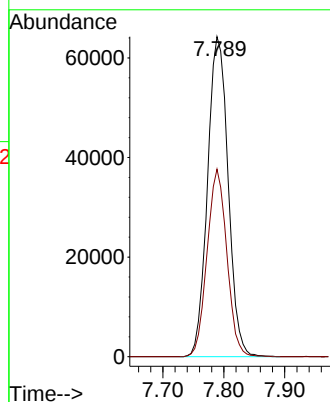
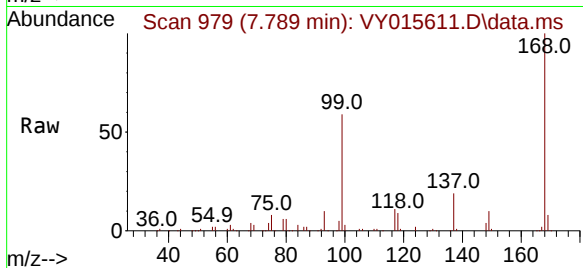




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015611.D
Acq: 18 Sep 2023 13:24

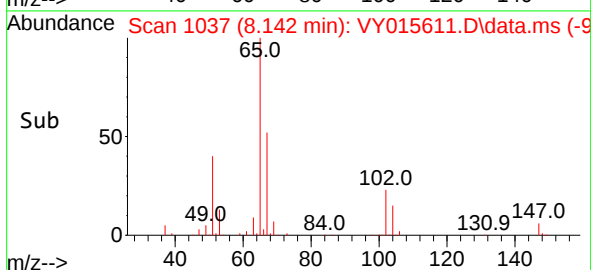
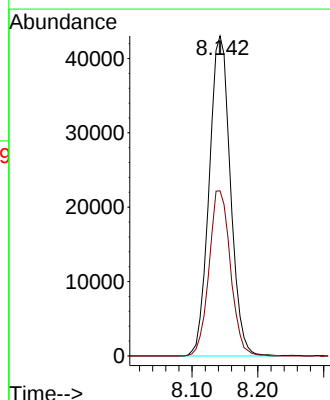
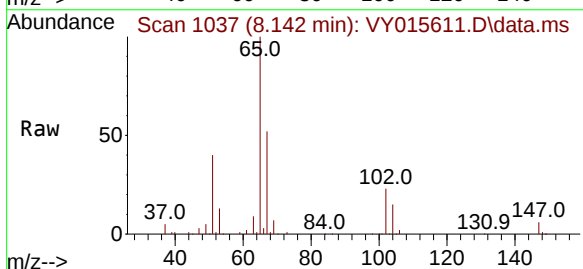
Instrument :
MSVOA_Y
ClientSampleId :
VY0918SBL01

Tgt Ion:168 Resp: 150828
Ion Ratio Lower Upper
168 100
99 58.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 59.864 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015611.D
Acq: 18 Sep 2023 13:24

Tgt Ion: 65 Resp: 96791
Ion Ratio Lower Upper
65 100
67 52.1 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: VY015611.D

Acq: 18 Sep 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0918SBL01

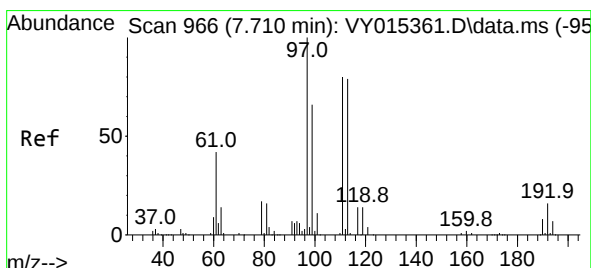
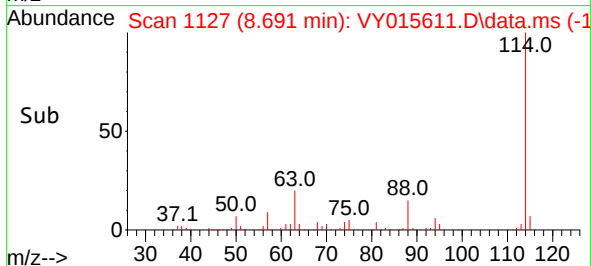
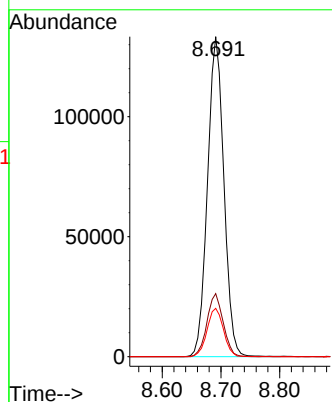
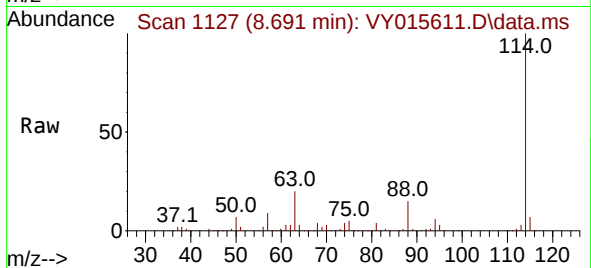
Tgt Ion:114 Resp: 258011

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.667 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015611.D

Acq: 18 Sep 2023 13:24

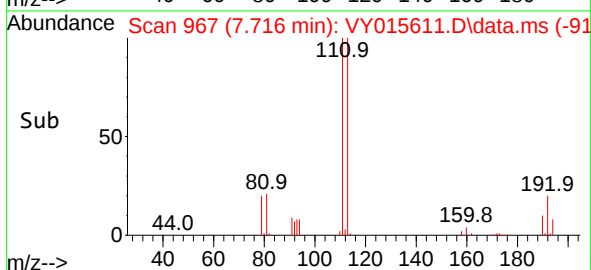
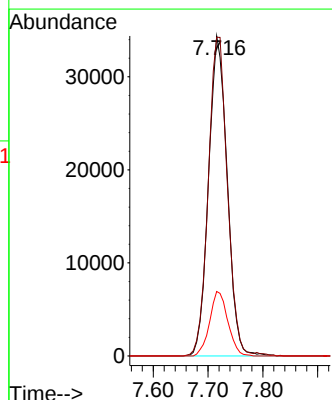
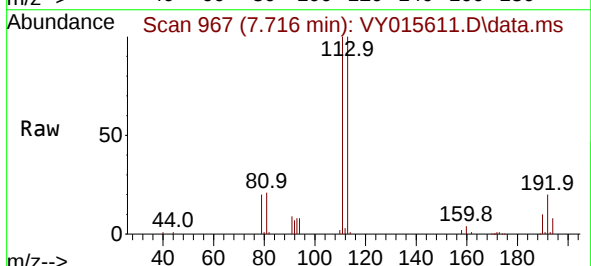
Tgt Ion:113 Resp: 81240

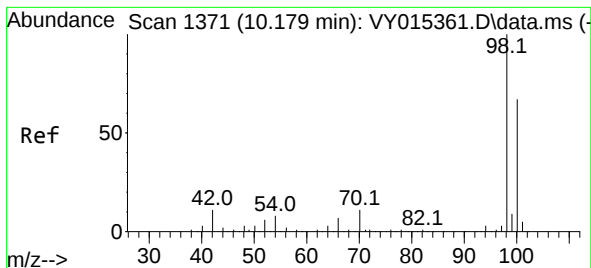
Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

192 19.7 16.9 25.3





#50

Toluene-d8

Concen: 55.855 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015611.D

Acq: 18 Sep 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

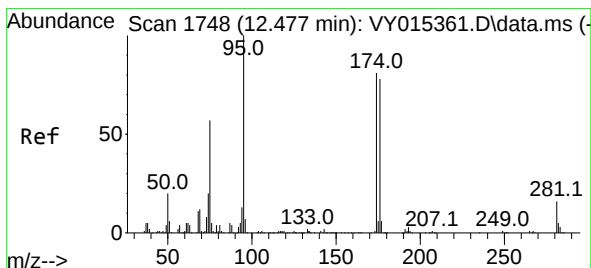
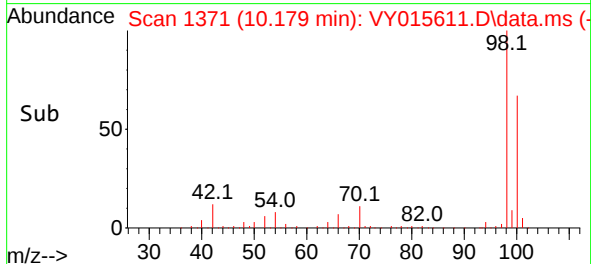
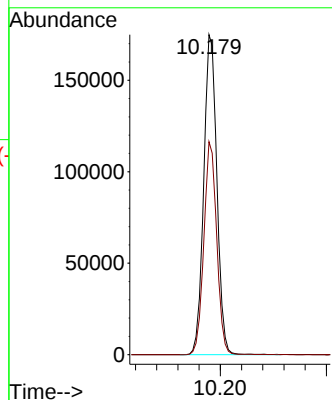
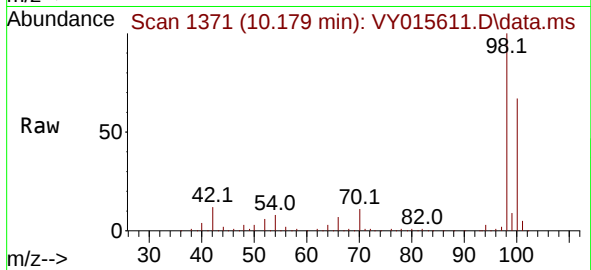
VY0918SBL01

Tgt Ion: 98 Resp: 300594

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.751 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015611.D

Acq: 18 Sep 2023 13:24

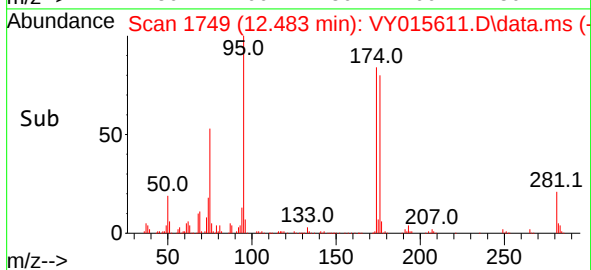
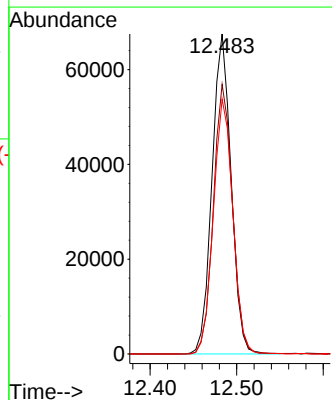
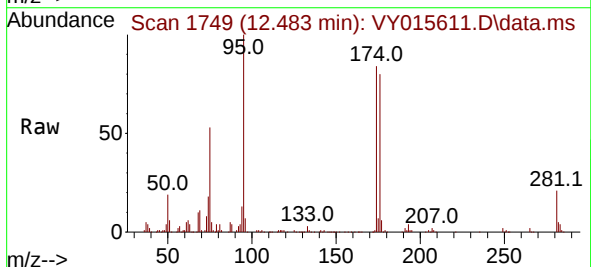
Tgt Ion: 95 Resp: 103392

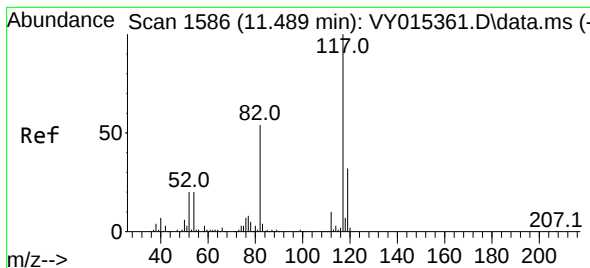
Ion Ratio Lower Upper

95 100

174 84.1 0.0 178.2

176 81.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015611.D

Acq: 18 Sep 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0918SBL01

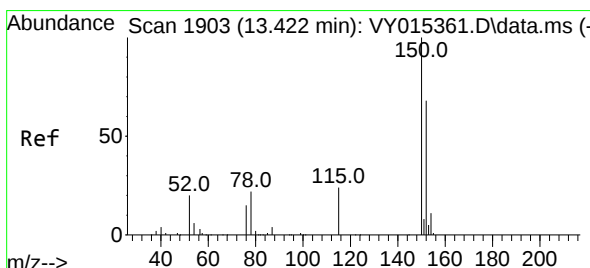
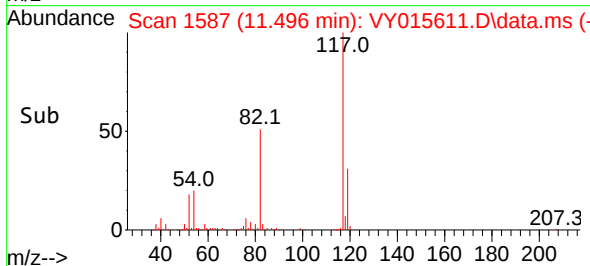
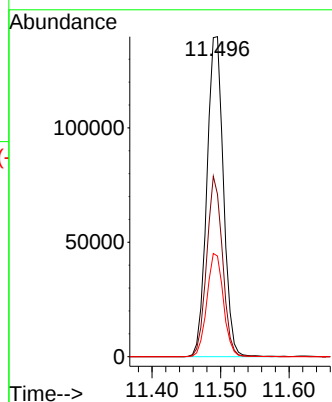
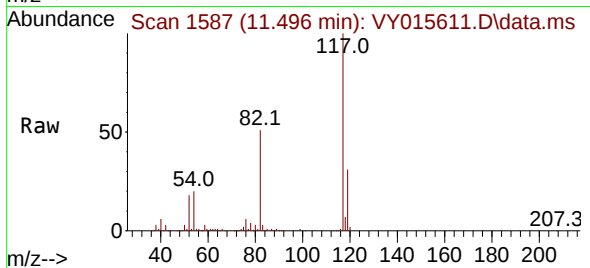
Tgt Ion:117 Resp: 234818

Ion Ratio Lower Upper

117 100

82 50.7 43.4 65.0

119 31.5 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: VY015611.D

Acq: 18 Sep 2023 13:24

Tgt Ion:152 Resp: 108881

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 157.1 0.0 348.8

