

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092523\
 Data File : VY015702.D
 Acq On : 25 Sep 2023 16:24
 Operator : SY/MD
 Sample : 04601-04
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Sep 26 04:24:10 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	126144	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	217306	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	200753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93698	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82616	59.524	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.040%
35) Dibromofluoromethane	7.728	113	70498	54.202	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.400%
50) Toluene-d8	10.185	98	254989	57.820	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.640%
62) 4-Bromofluorobenzene	12.483	95	86721	50.109	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.220%

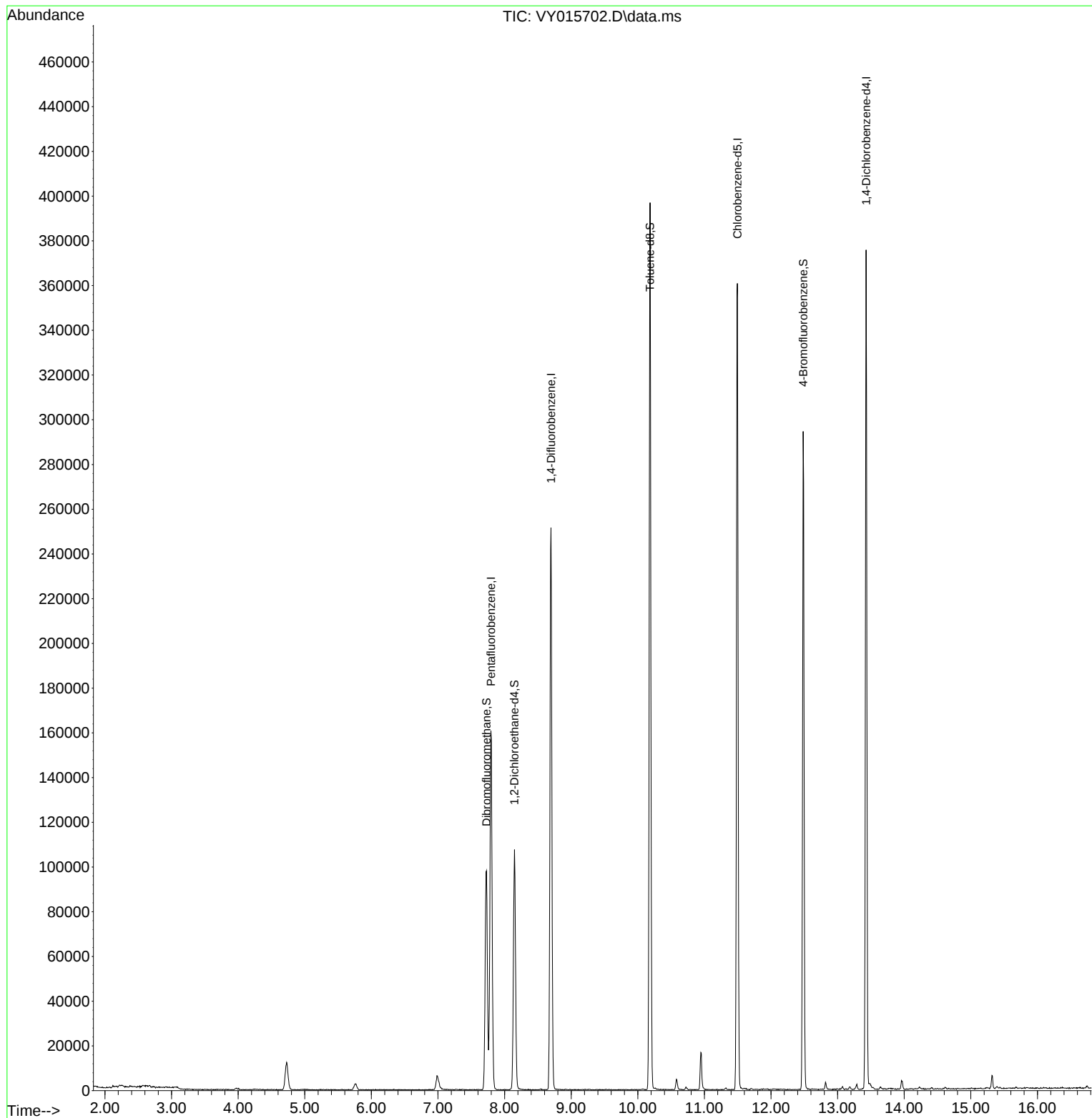
Target Compounds	Qvalue

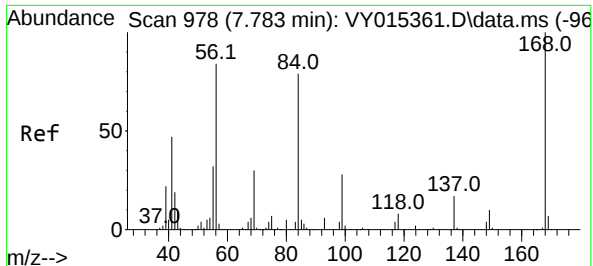
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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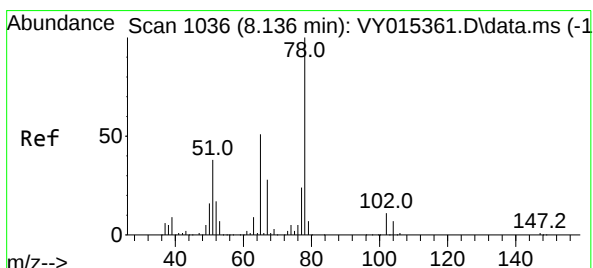
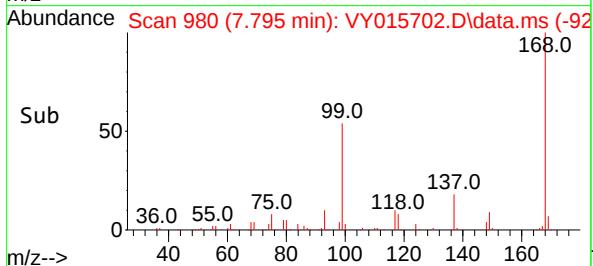
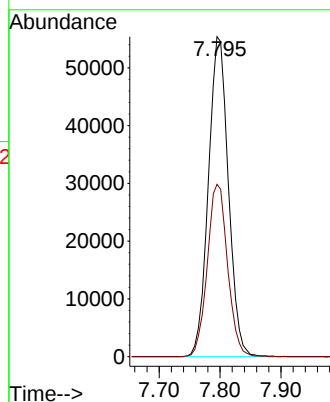
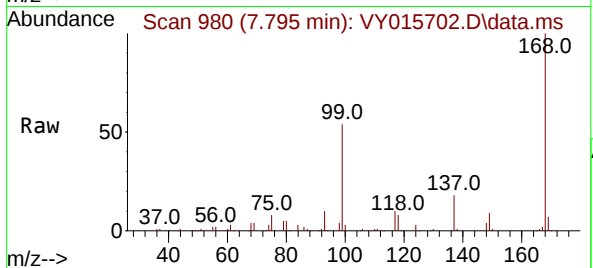




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015702.D
Acq: 25 Sep 2023 16:24

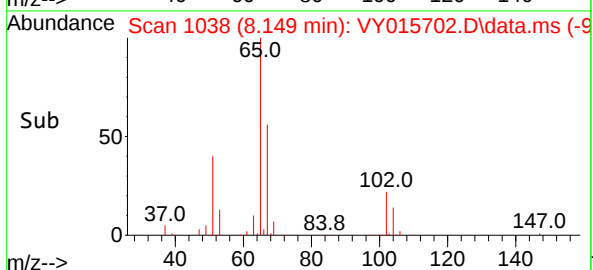
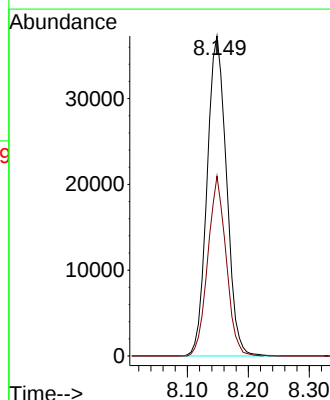
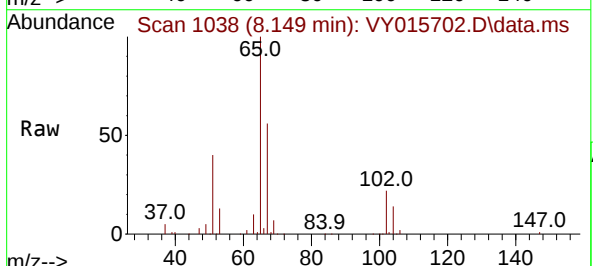
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

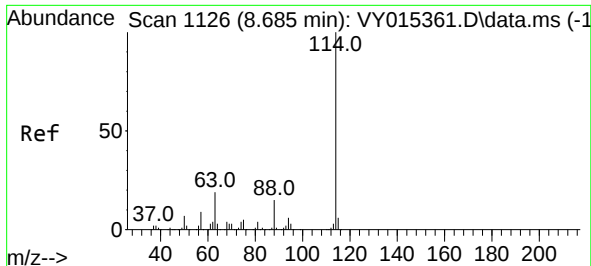
Tgt Ion:168 Resp: 126144
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 59.524 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015702.D
Acq: 25 Sep 2023 16:24

Tgt Ion: 65 Resp: 82616
Ion Ratio Lower Upper
65 100
67 53.0 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: VY015702.D

Acq: 25 Sep 2023 16:24

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

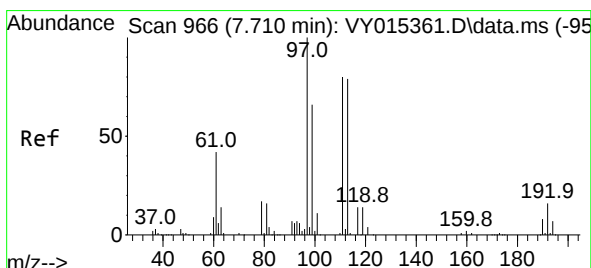
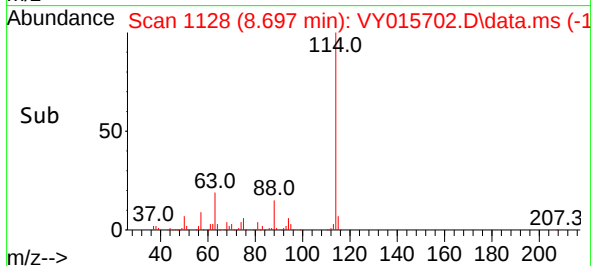
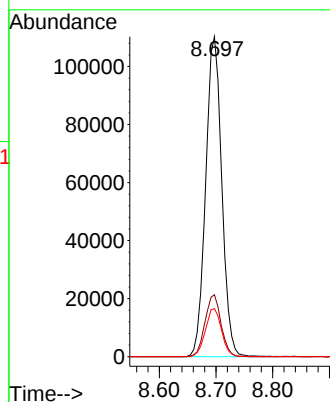
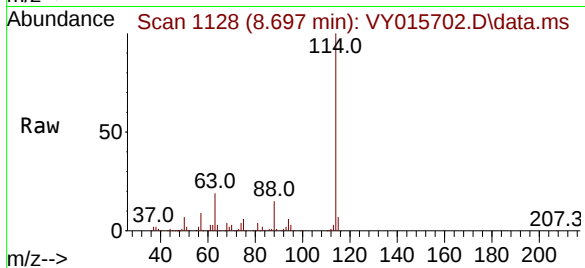
Tgt Ion:114 Resp: 217306

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.202 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015702.D

Acq: 25 Sep 2023 16:24

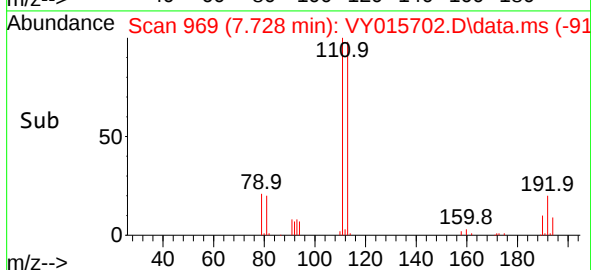
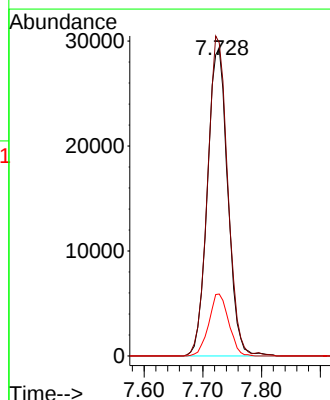
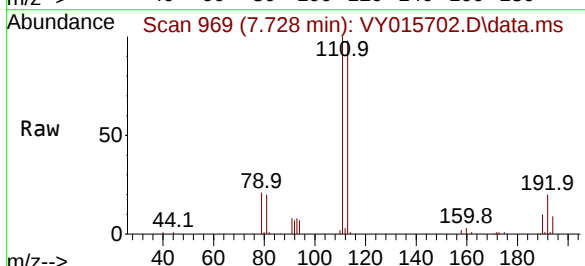
Tgt Ion:113 Resp: 70498

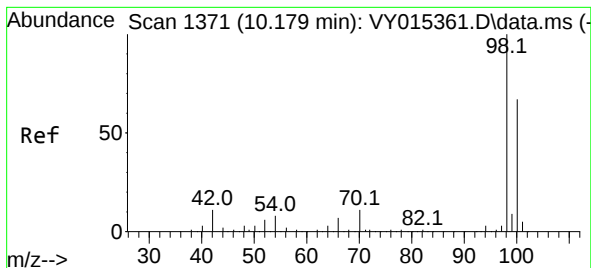
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.7 16.9 25.3





#50

Toluene-d8

Concen: 57.820 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015702.D

Acq: 25 Sep 2023 16:24

Instrument :

MSVOA_Y

ClientSampleId :

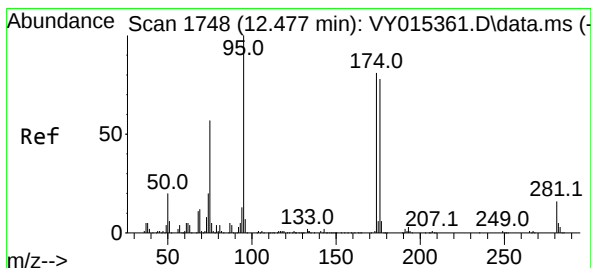
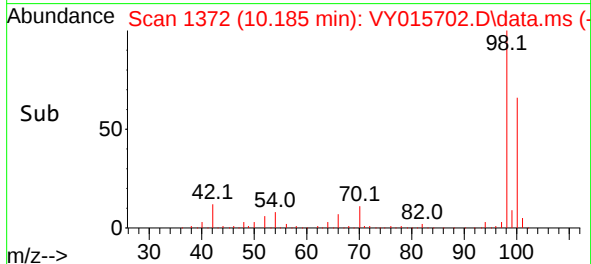
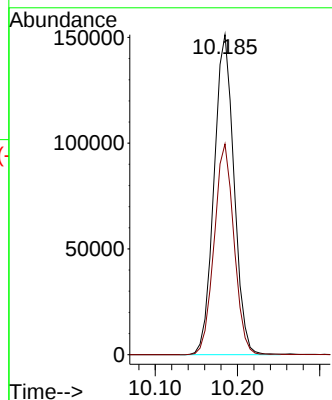
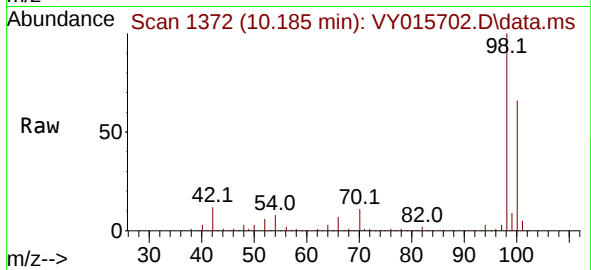
TP-2

Tgt Ion: 98 Resp: 254989

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.109 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015702.D

Acq: 25 Sep 2023 16:24

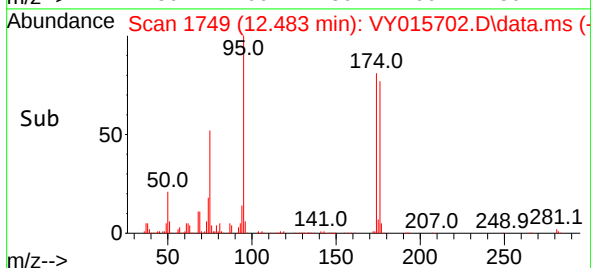
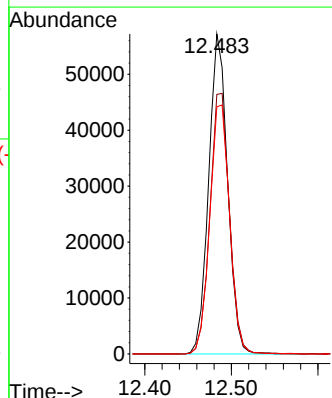
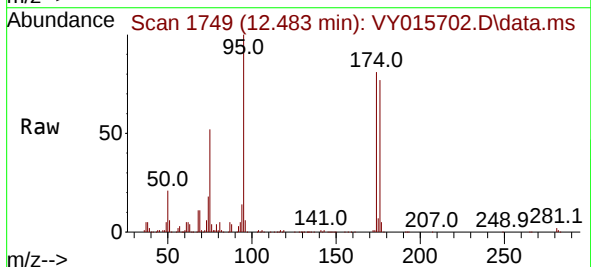
Tgt Ion: 95 Resp: 86721

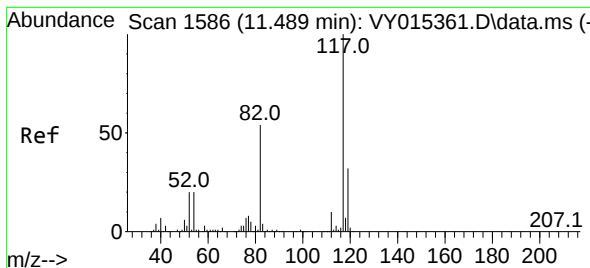
Ion Ratio Lower Upper

95 100

174 84.5 0.0 178.2

176 81.6 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: VY015702.D

Acq: 25 Sep 2023 16:24

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

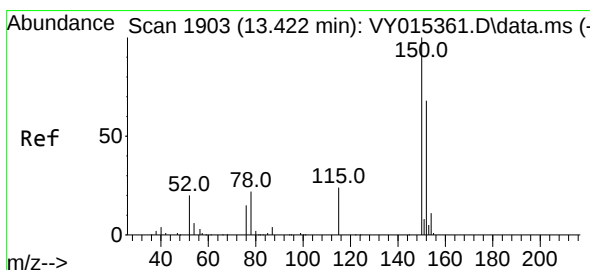
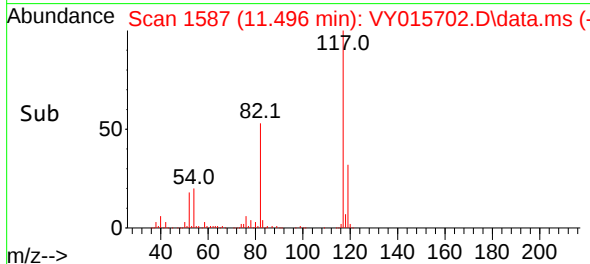
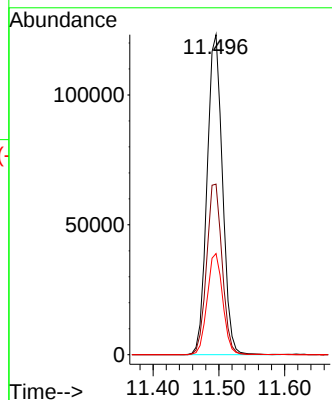
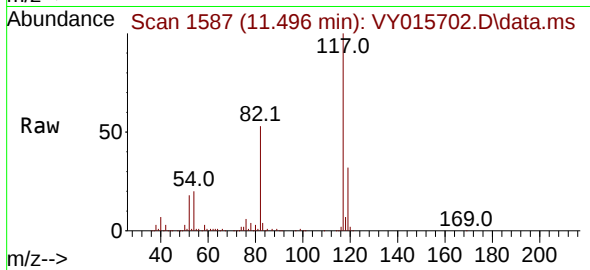
Tgt Ion:117 Resp: 200753

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.6 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: VY015702.D

Acq: 25 Sep 2023 16:24

Tgt Ion:152 Resp: 93698

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 156.3 0.0 348.8

