

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015899.D
 Acq On : 10 Oct 2023 16:05
 Operator : SY/MD
 Sample : 04787-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-10052023RE

Quant Time: Oct 11 01:21:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	46810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	75137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	65239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	25178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	21945	52.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.200%	
35) Dibromofluoromethane	7.722	113	24516	58.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.000%	
50) Toluene-d8	10.185	98	86606	62.702	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 125.400%	
62) 4-Bromofluorobenzene	12.483	95	23780	42.387	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.780%	

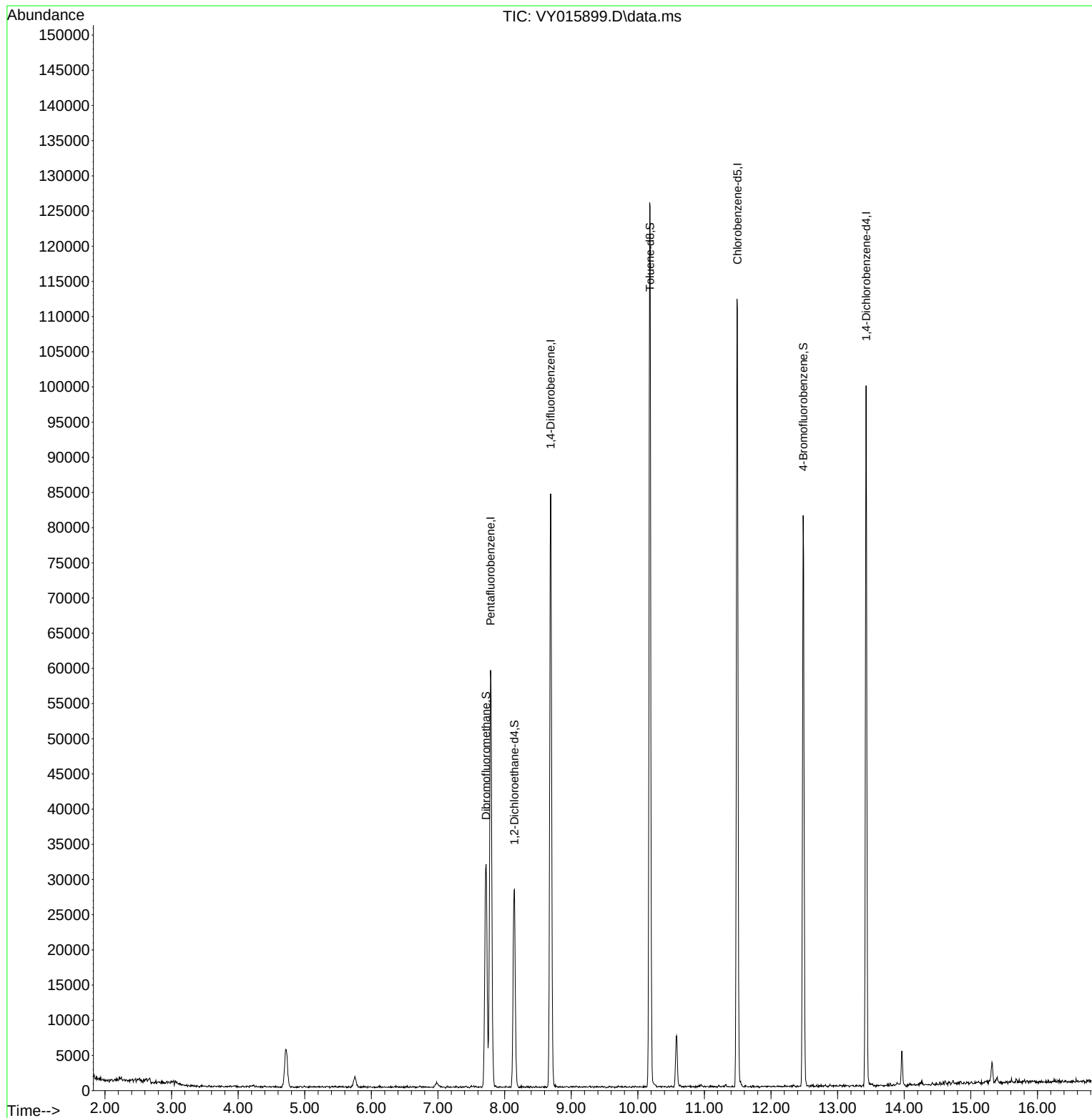
Target Compounds	Qvalue

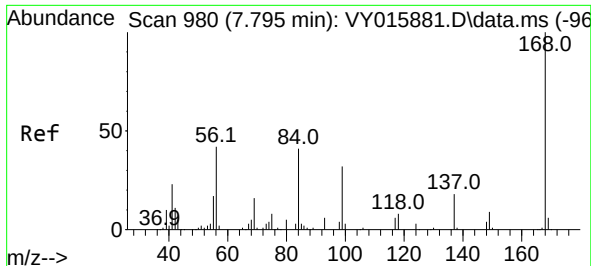
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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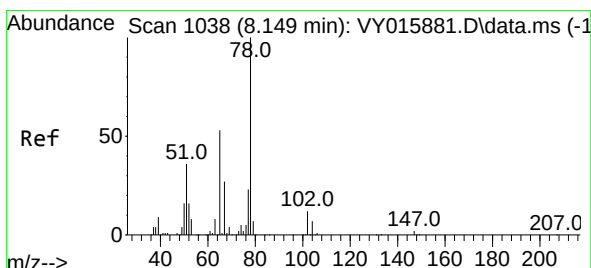
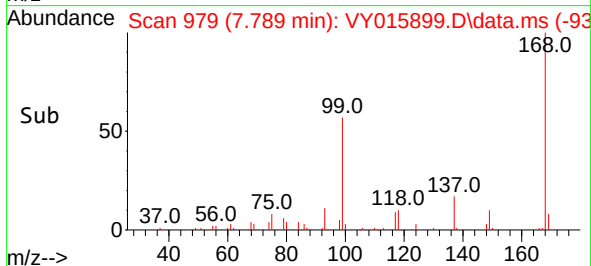
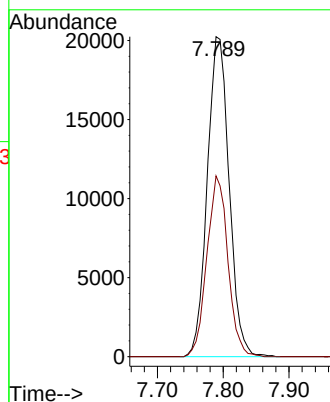
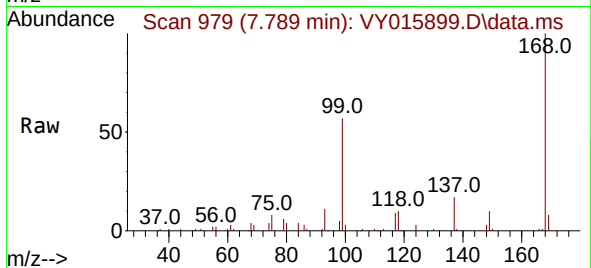




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015899.D
Acq: 10 Oct 2023 16:05

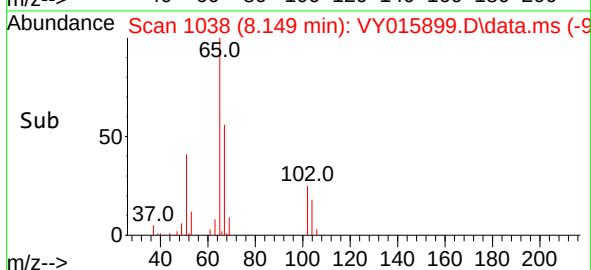
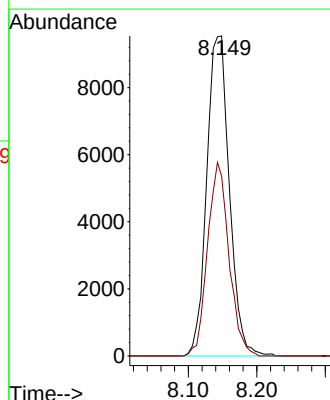
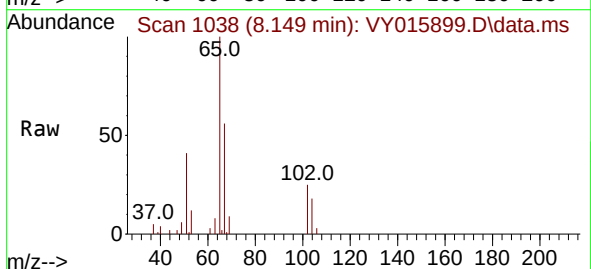
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-10052023RE

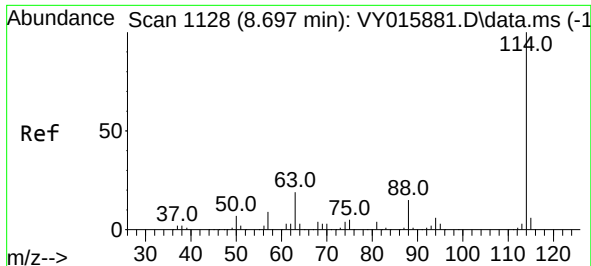
Tgt Ion:168 Resp: 46810
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 52.102 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY015899.D
Acq: 10 Oct 2023 16:05

Tgt Ion: 65 Resp: 21945
Ion Ratio Lower Upper
65 100
67 57.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY015899.D

Acq: 10 Oct 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-10052023RE

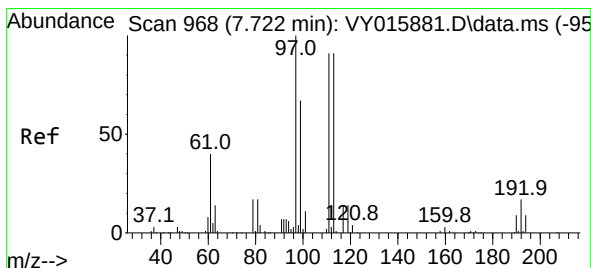
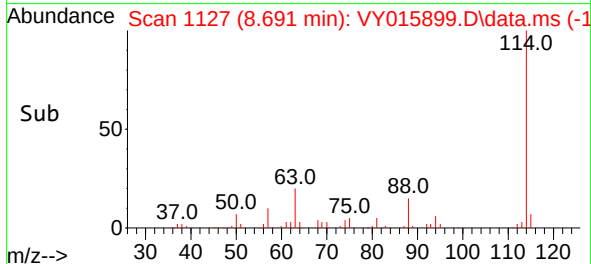
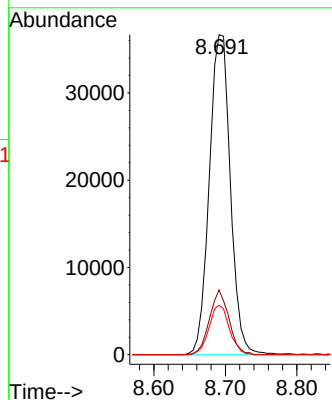
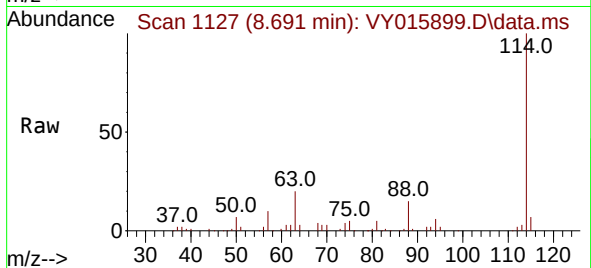
Tgt Ion:114 Resp: 75137

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 58.497 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015899.D

Acq: 10 Oct 2023 16:05

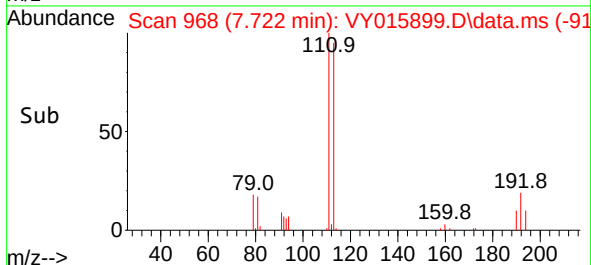
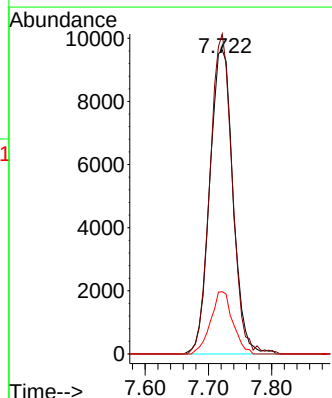
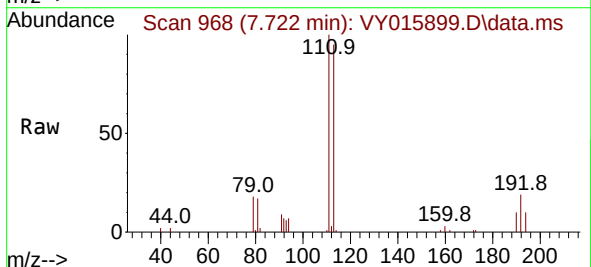
Tgt Ion:113 Resp: 24516

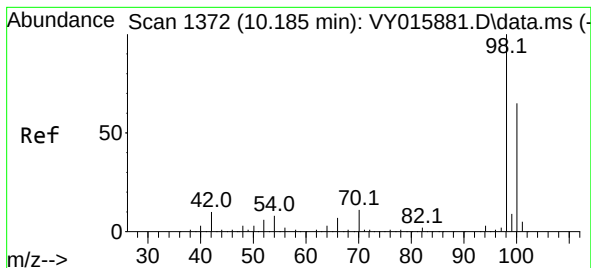
Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

192 19.5 16.9 25.3





#50

Toluene-d8

Concen: 62.702 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015899.D

Acq: 10 Oct 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

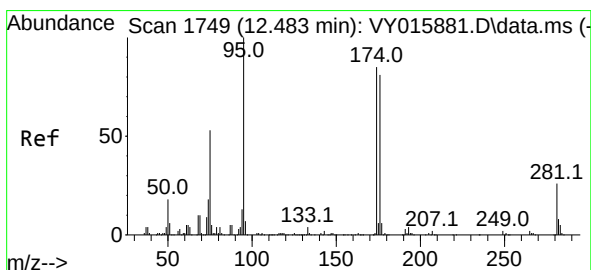
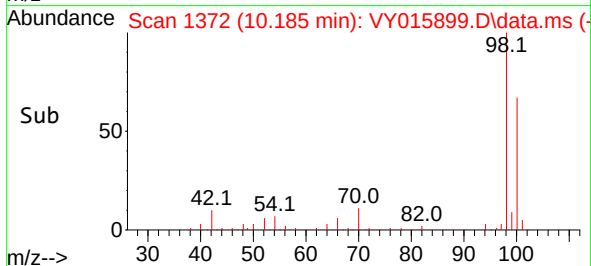
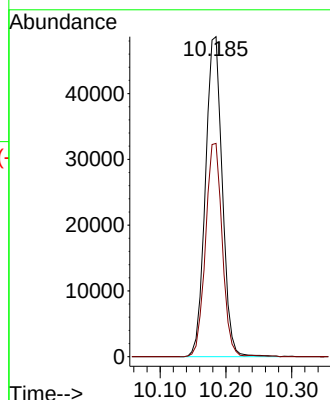
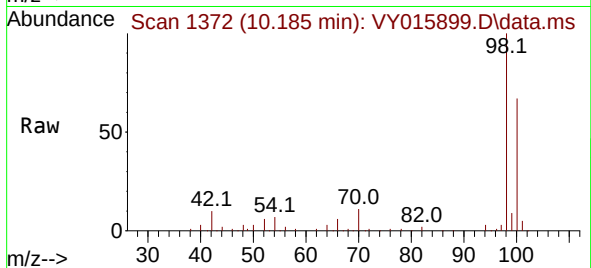
PL-02-10052023RE

Tgt Ion: 98 Resp: 86606

Ion Ratio Lower Upper

98 100

100 66.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 42.387 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015899.D

Acq: 10 Oct 2023 16:05

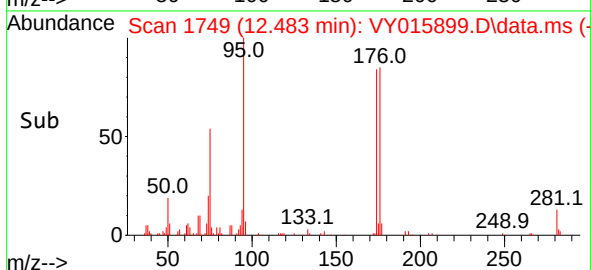
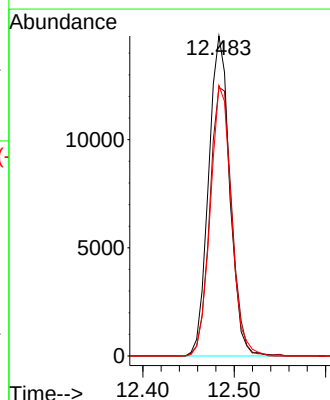
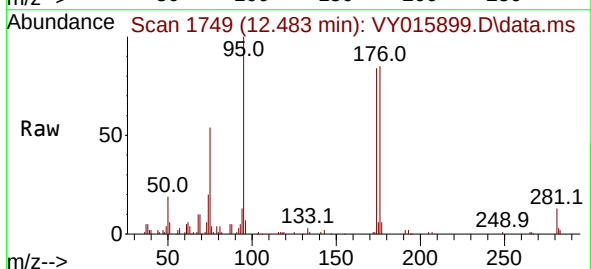
Tgt Ion: 95 Resp: 23780

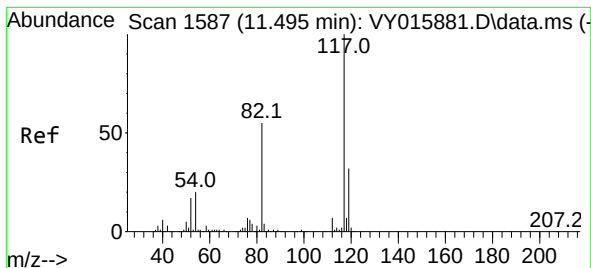
Ion Ratio Lower Upper

95 100

174 87.7 0.0 178.2

176 84.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015899.D

Acq: 10 Oct 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-10052023RE

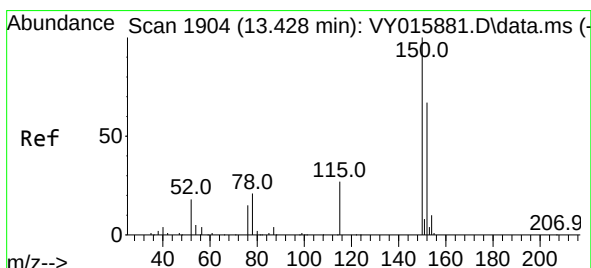
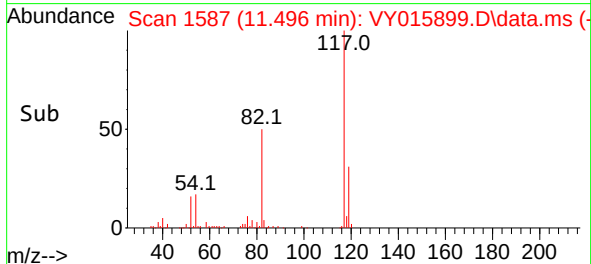
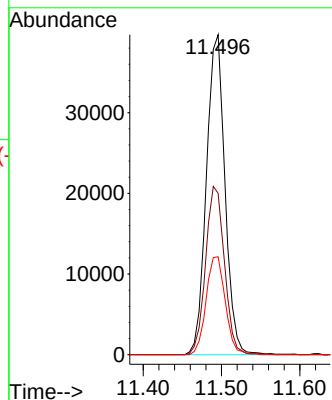
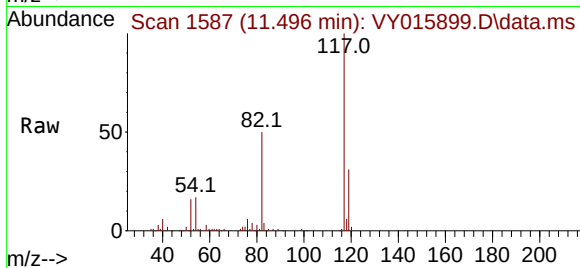
Tgt Ion:117 Resp: 65239

Ion Ratio Lower Upper

117 100

82 50.4 43.4 65.0

119 30.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015899.D

Acq: 10 Oct 2023 16:05

Tgt Ion:152 Resp: 25178

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 159.1 0.0 348.8

