

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015788.D
 Acq On : 02 Oct 2023 19:48
 Operator : SY/MD
 Sample : 04657-08
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 V-1(2-6IN)

Quant Time: Oct 03 01:27:58 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	131663	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	230998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	212504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94834	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	84791	58.531	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.060%
35) Dibromofluoromethane	7.722	113	75510	54.614	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.220%
50) Toluene-d8	10.185	98	272749	58.181	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.360%
62) 4-Bromofluorobenzene	12.483	95	89622	48.716	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.440%

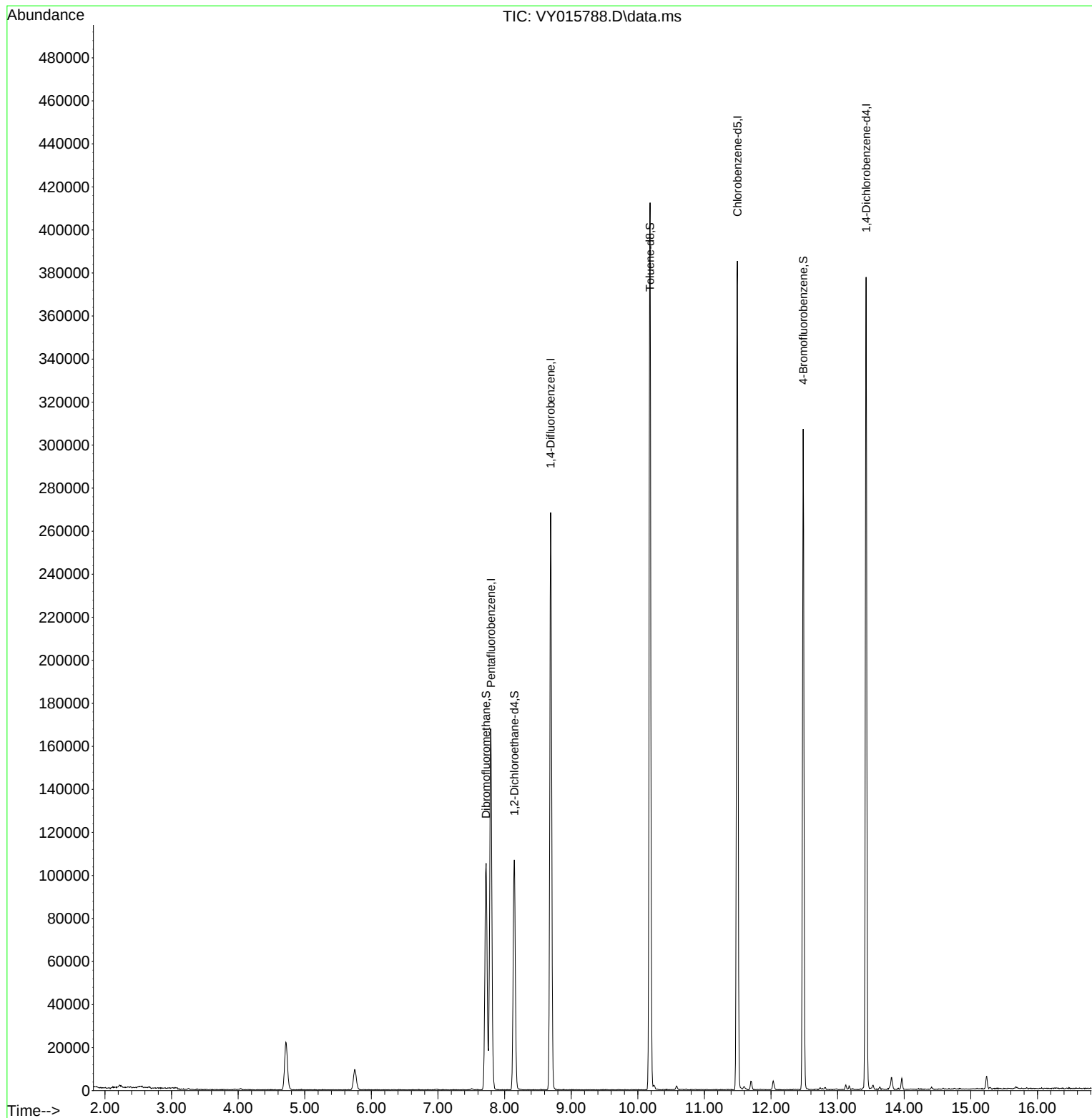
Target Compounds	Qvalue

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

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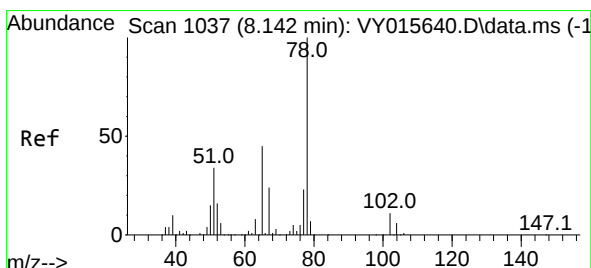
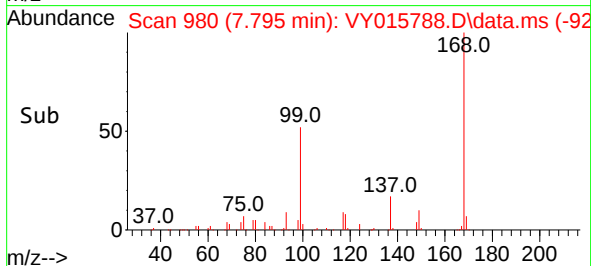
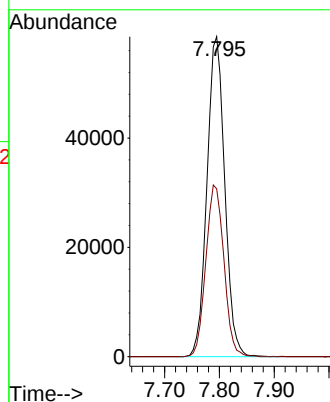
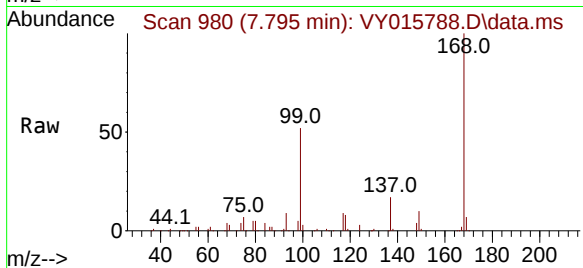




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015788.D
Acq: 02 Oct 2023 19:48

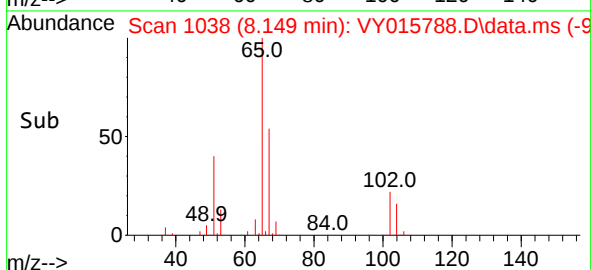
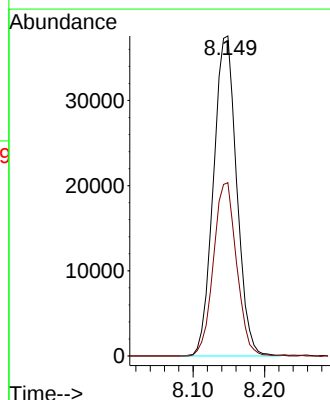
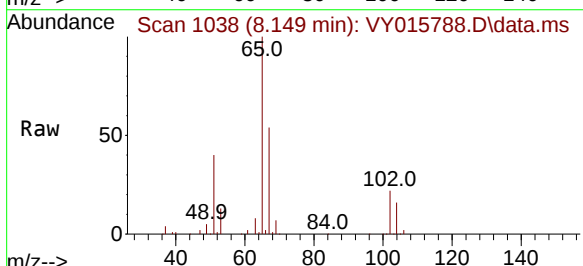
Instrument :
MSVOA_Y
ClientSampleId :
V-1(2-6IN)

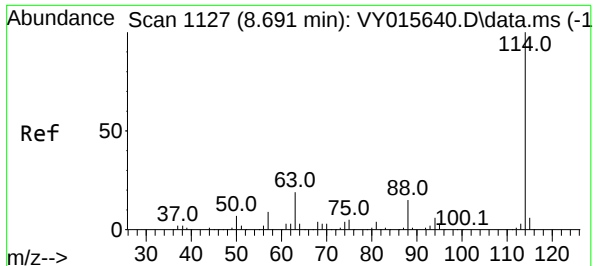
Tgt Ion:168 Resp: 131663
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 58.531 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015788.D
Acq: 02 Oct 2023 19:48

Tgt Ion: 65 Resp: 84791
Ion Ratio Lower Upper
65 100
67 53.9 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: VY015788.D

Acq: 02 Oct 2023 19:48

Instrument :

MSVOA_Y

ClientSampleId :

V-1(2-6IN)

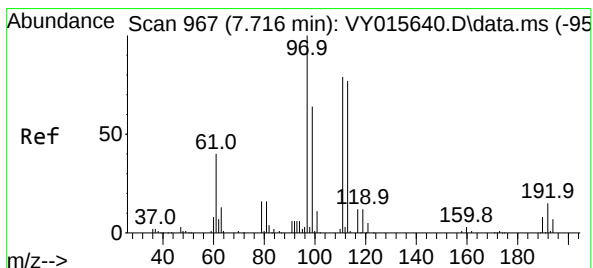
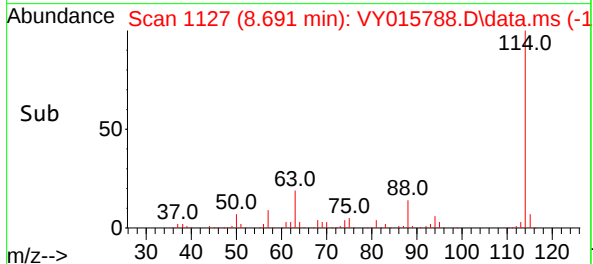
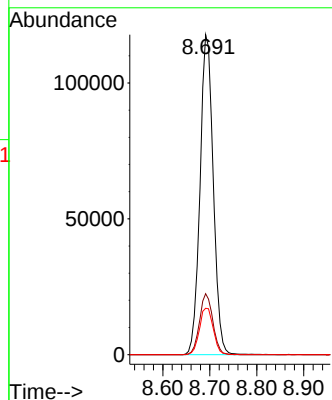
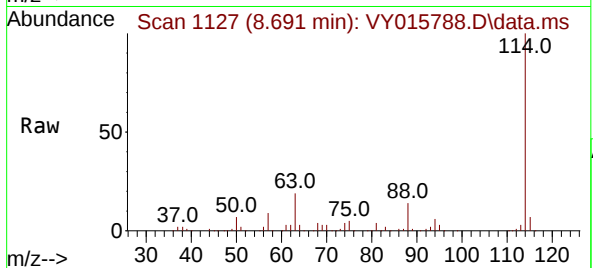
Tgt Ion:114 Resp: 230998

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.614 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015788.D

Acq: 02 Oct 2023 19:48

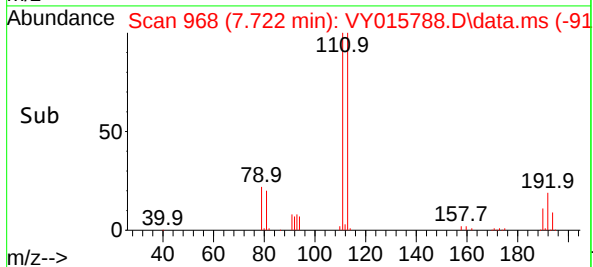
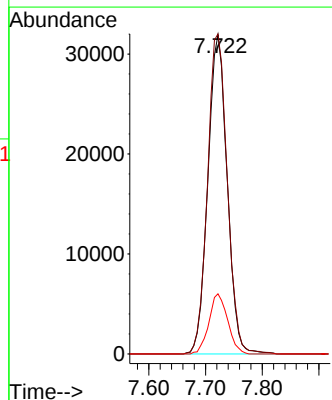
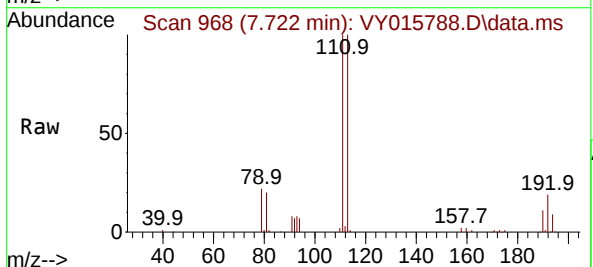
Tgt Ion:113 Resp: 75510

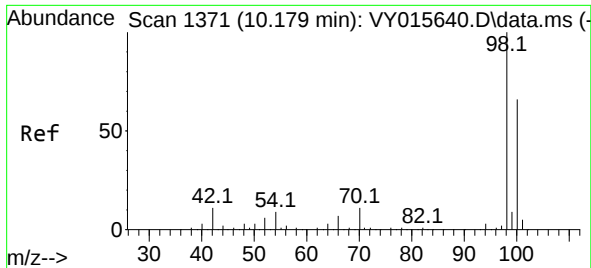
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 18.3 16.9 25.3

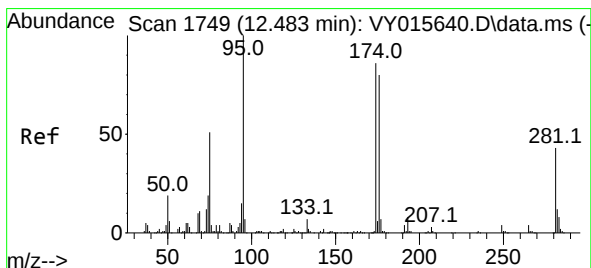
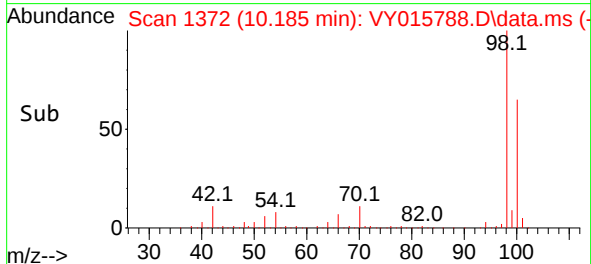
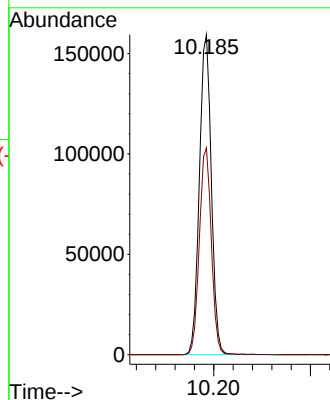
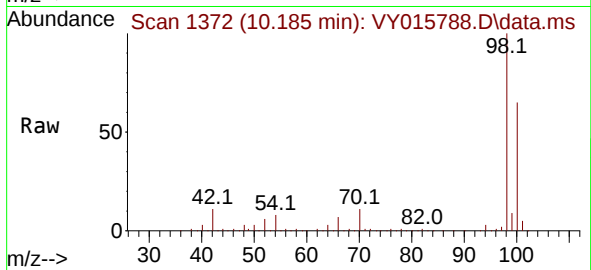




#50
Toluene-d8
Concen: 58.181 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015788.D
Acq: 02 Oct 2023 19:48

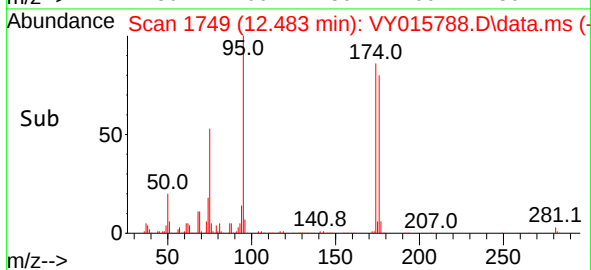
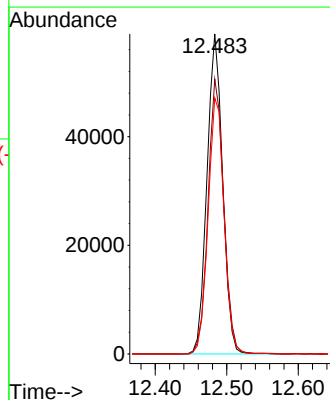
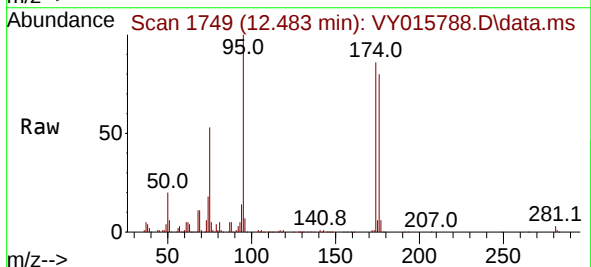
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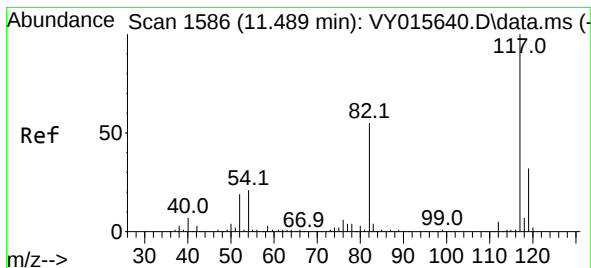
Tgt Ion: 98 Resp: 272749
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.716 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015788.D
Acq: 02 Oct 2023 19:48

Tgt Ion: 95 Resp: 89622
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 81.5 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: VY015788.D

Acq: 02 Oct 2023 19:48

Instrument :

MSVOA_Y

ClientSampleId :

V-1(2-6IN)

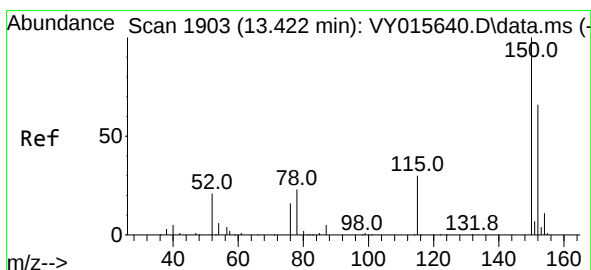
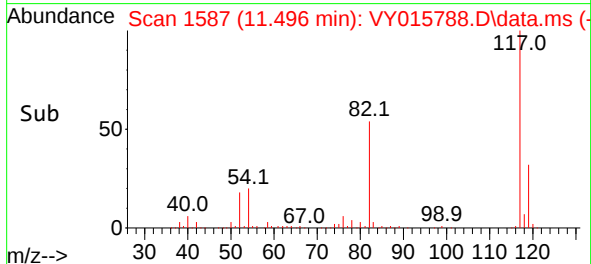
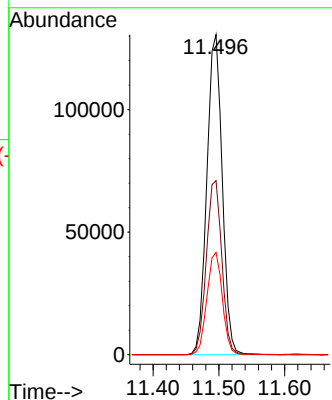
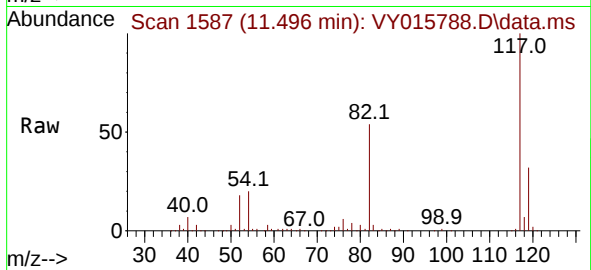
Tgt Ion:117 Resp: 212504

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 31.9 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: VY015788.D

Acq: 02 Oct 2023 19:48

Tgt Ion:152 Resp: 94834

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.0 0.0 348.8

