

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015625.D
 Acq On : 18 Sep 2023 19:20
 Operator : SY/MD
 Sample : 04441-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11976

Quant Time: Sep 19 02:06:52 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	7.795	168	133237	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	226998	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	209357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97986	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	87554	61.300	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.600%
35) Dibromofluoromethane	7.722	113	73820	56.461	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.920%
50) Toluene-d8	10.185	98	266618	56.310	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.620%
62) 4-Bromofluorobenzene	12.483	95	89631	50.992	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.980%

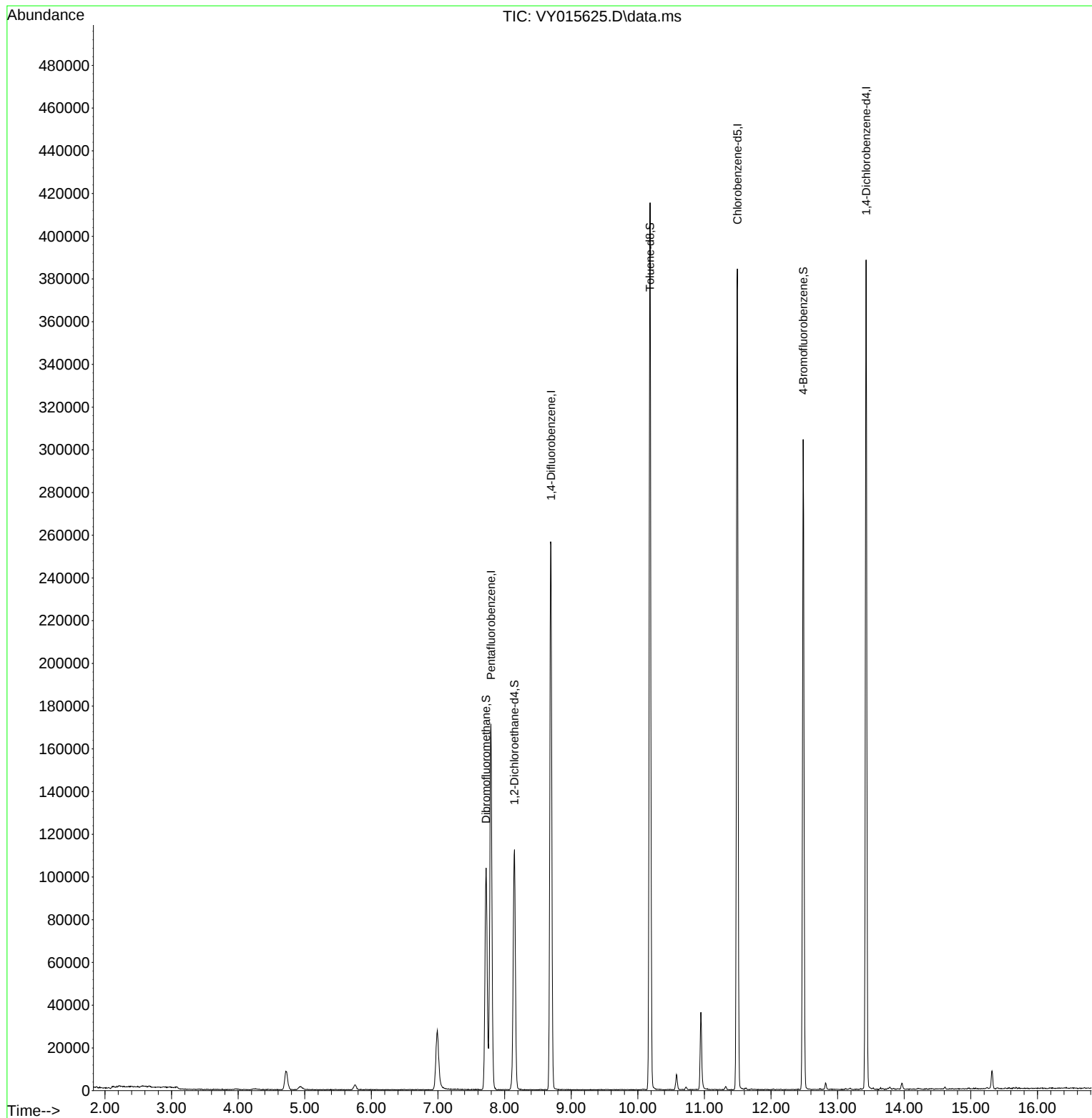
Target Compounds	Qvalue

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

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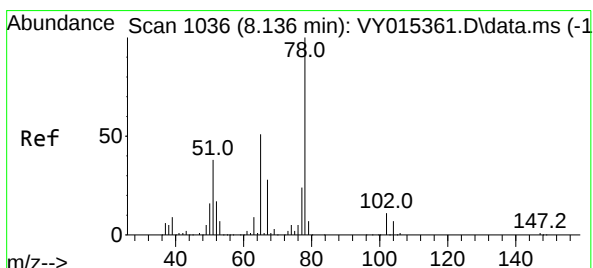
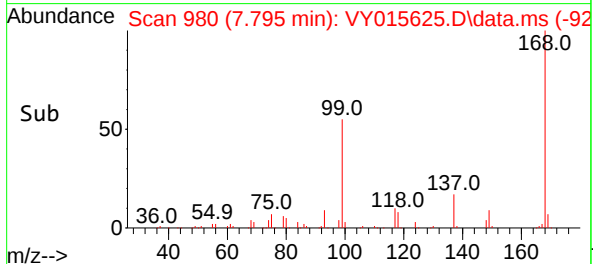
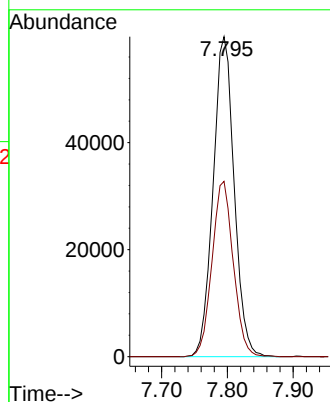
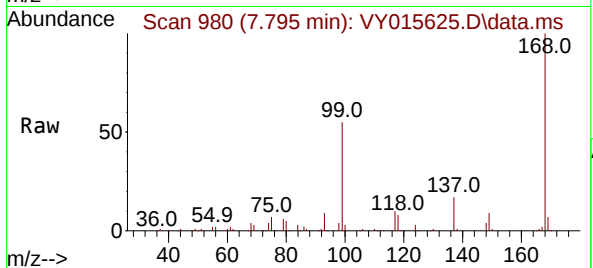




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015625.D
Acq: 18 Sep 2023 19:20

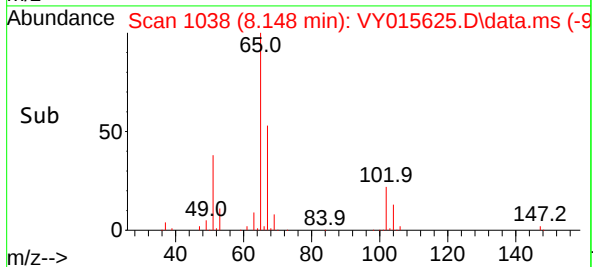
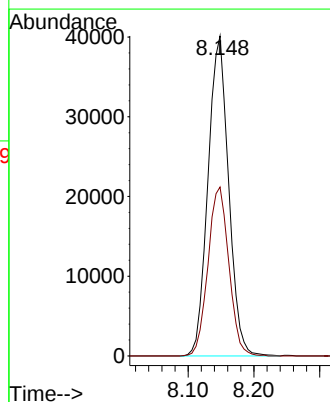
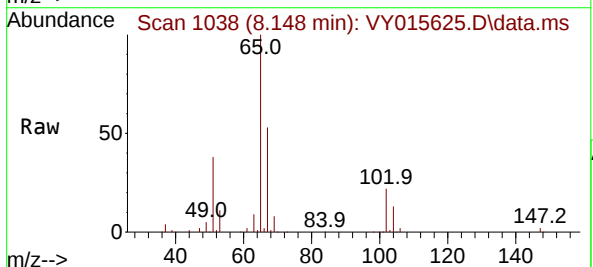
Instrument :
MSVOA_Y
ClientSampleId :
72-11976

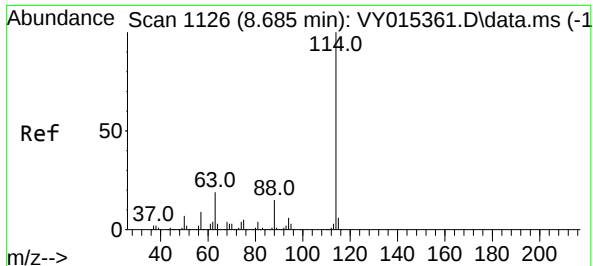
Tgt Ion:168 Resp: 133237
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 61.300 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015625.D
Acq: 18 Sep 2023 19:20

Tgt Ion: 65 Resp: 87554
Ion Ratio Lower Upper
65 100
67 53.5 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: VY015625.D

Acq: 18 Sep 2023 19:20

Instrument :

MSVOA_Y

ClientSampleId :

72-11976

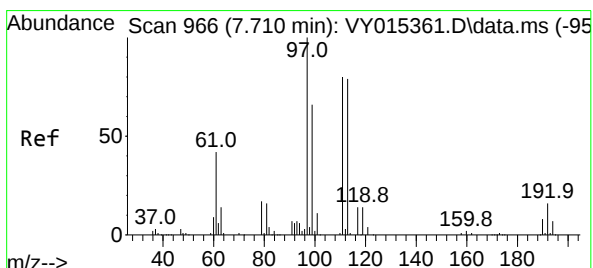
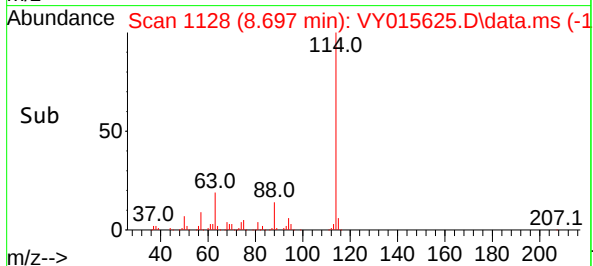
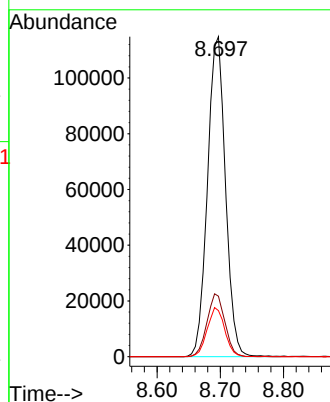
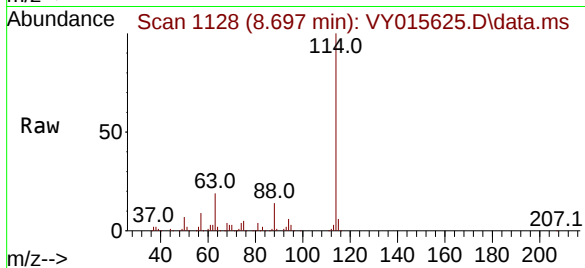
Tgt Ion:114 Resp: 226998

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.461 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015625.D

Acq: 18 Sep 2023 19:20

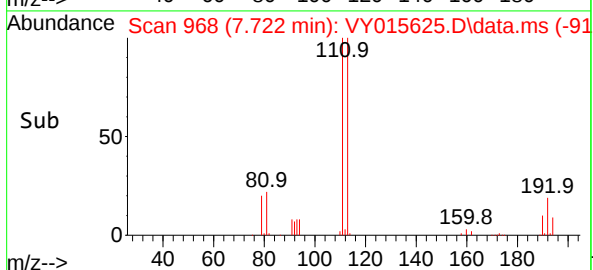
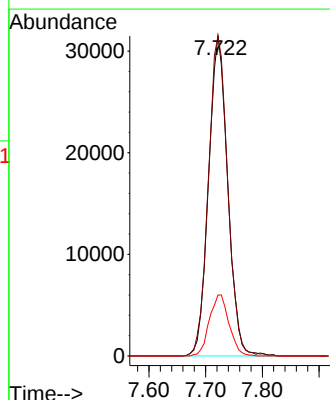
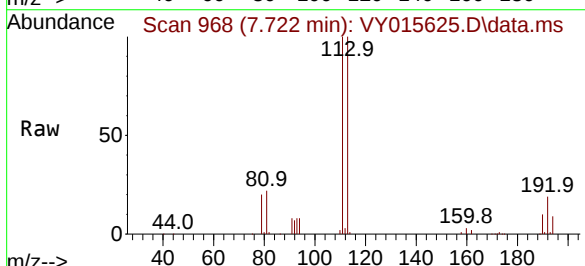
Tgt Ion:113 Resp: 73820

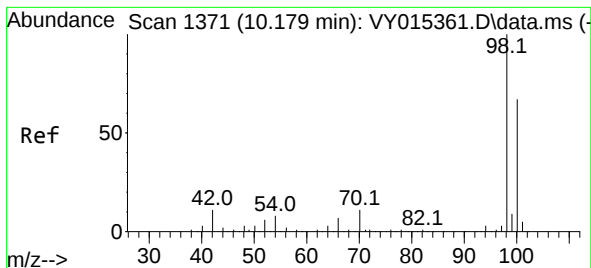
Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

192 19.6 16.9 25.3





#50

Toluene-d8

Concen: 56.310 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015625.D

Acq: 18 Sep 2023 19:20

Instrument :

MSVOA_Y

ClientSampleId :

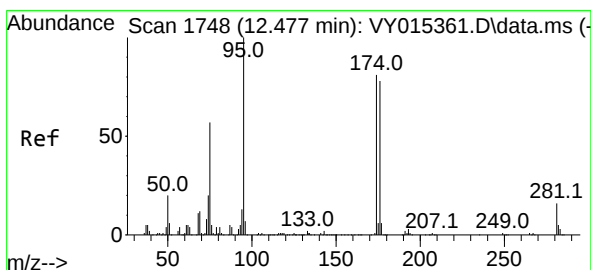
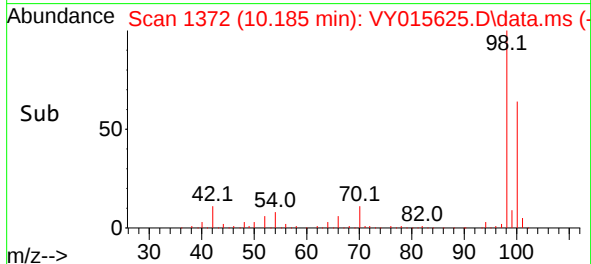
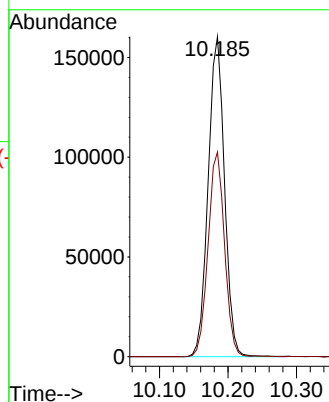
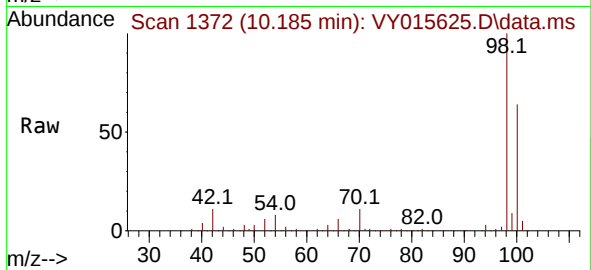
72-11976

Tgt Ion: 98 Resp: 266618

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.992 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015625.D

Acq: 18 Sep 2023 19:20

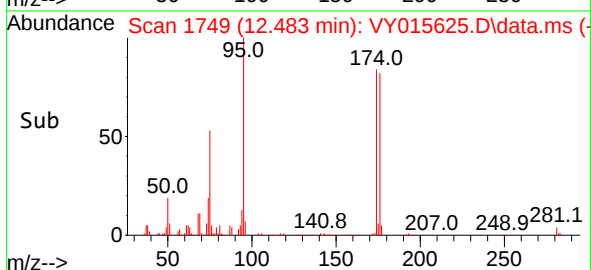
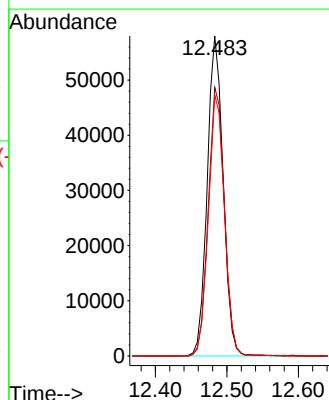
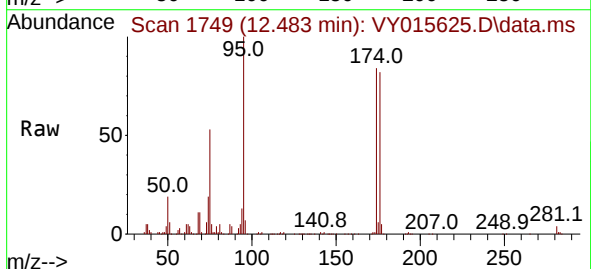
Tgt Ion: 95 Resp: 89631

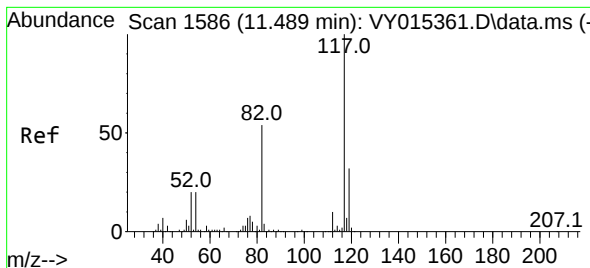
Ion Ratio Lower Upper

95 100

174 85.3 0.0 178.2

176 82.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015625.D

Acq: 18 Sep 2023 19:20

Instrument :

MSVOA_Y

ClientSampleId :

72-11976

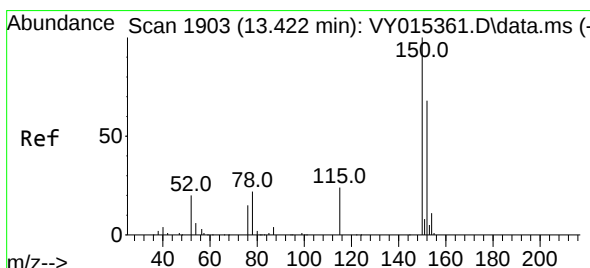
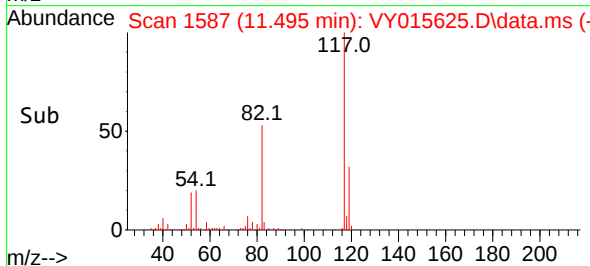
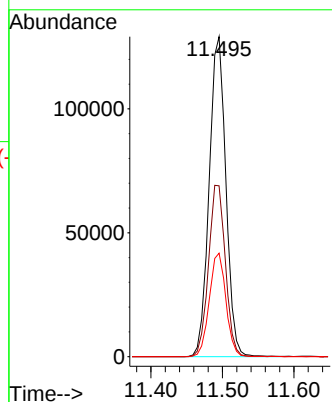
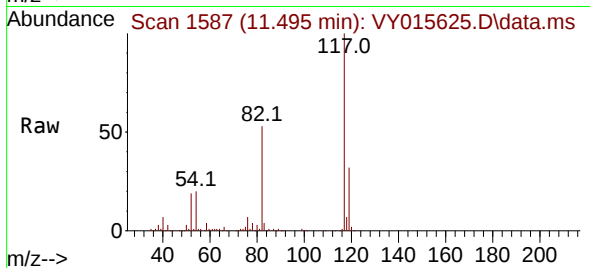
Tgt Ion:117 Resp: 209357

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.4 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: VY015625.D

Acq: 18 Sep 2023 19:20

Tgt Ion:152 Resp: 97986

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 155.6 0.0 348.8

