

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015599.D
 Acq On : 16 Sep 2023 03:57
 Operator : SY/MD
 Sample : 04419-11
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-06(23-25)

Quant Time: Sep 18 02:53:38 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	7.801	168	211071	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	360776	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.496	117	331971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	155443	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	137519	60.778	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.560%
35) Dibromofluoromethane	7.728	113	113803	54.766	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.540%
50) Toluene-d8	10.191	98	424084	56.355	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.720%
62) 4-Bromofluorobenzene	12.489	95	145215	51.981	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.960%

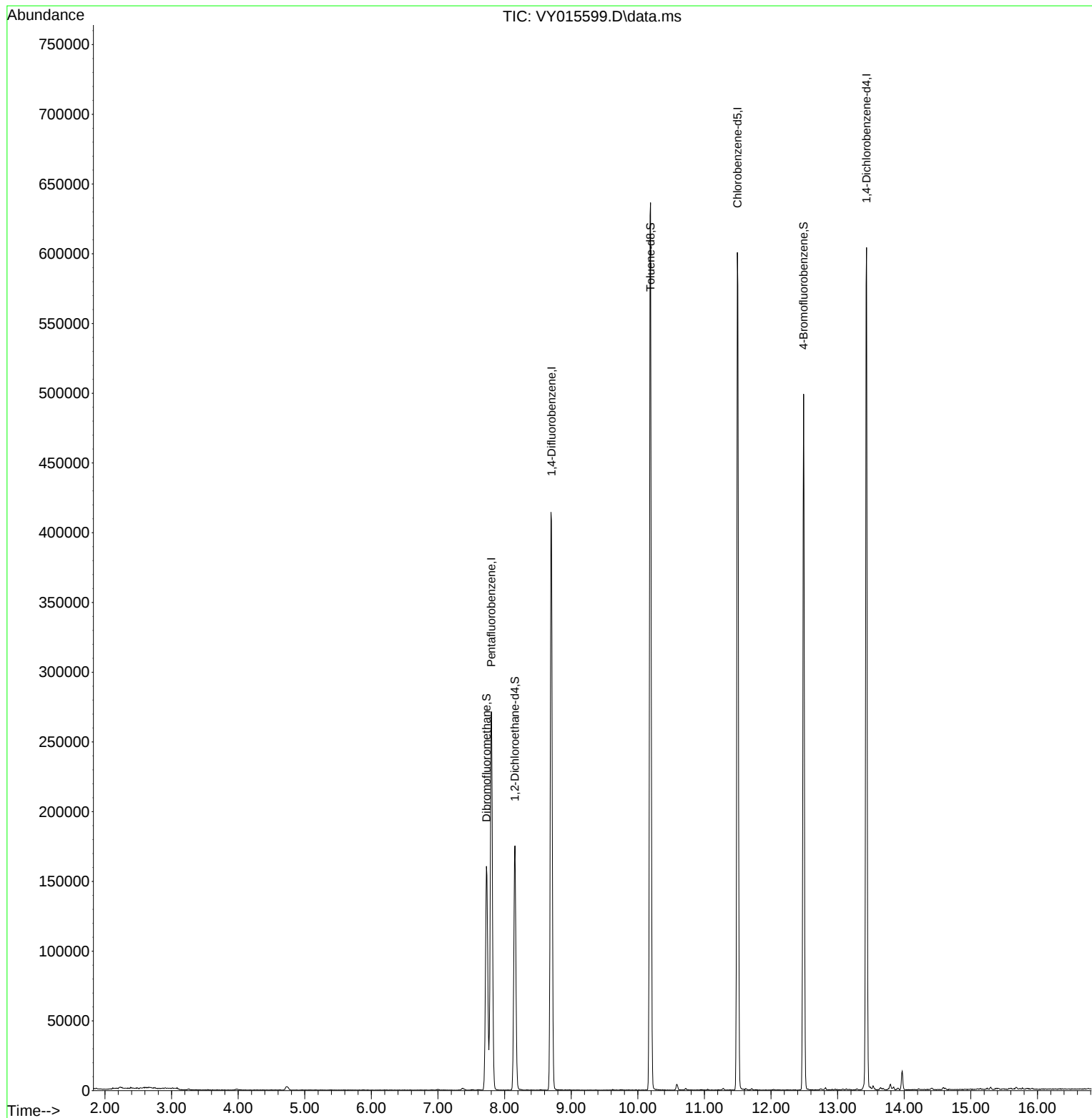
Target Compounds	Qvalue

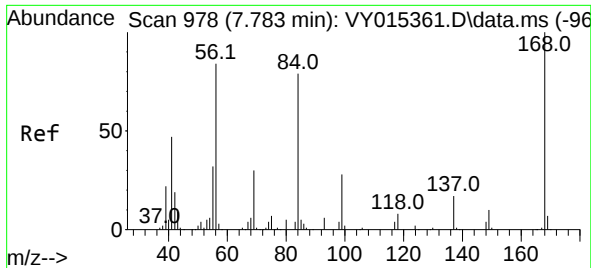
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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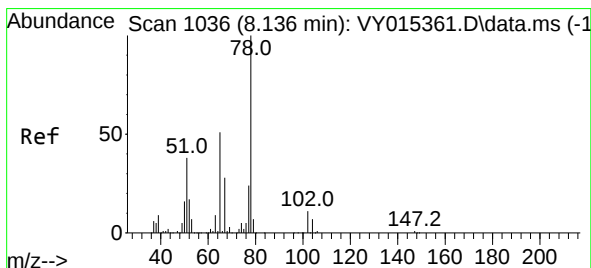
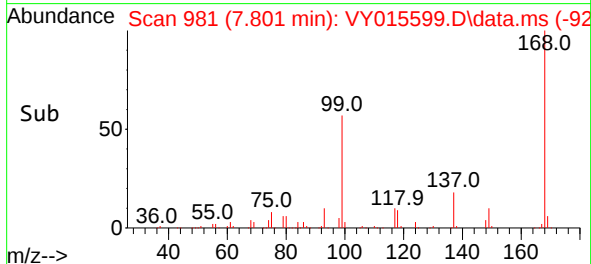
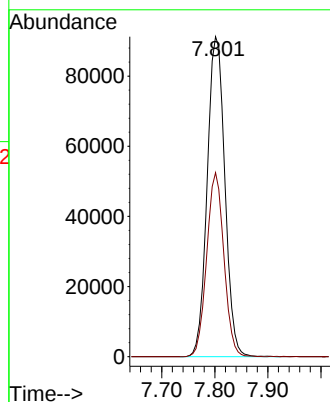
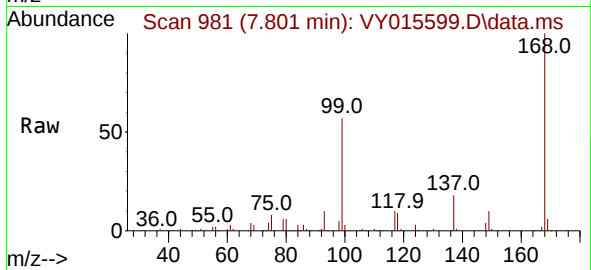




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015599.D
Acq: 16 Sep 2023 03:57

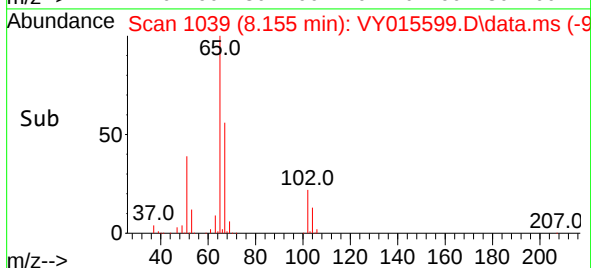
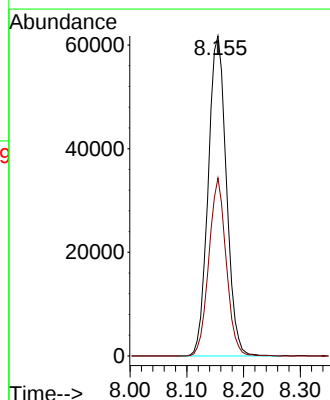
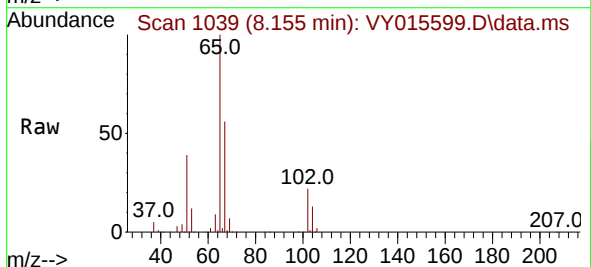
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(23-25)

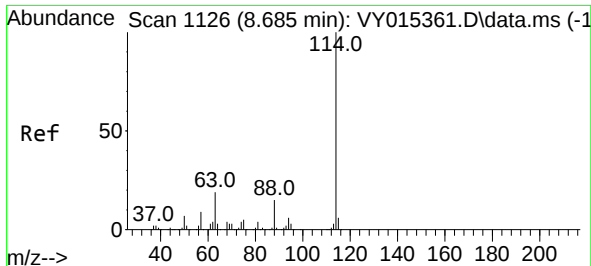
Tgt Ion:168 Resp: 211071
Ion Ratio Lower Upper
168 100
99 57.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.778 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.018 min
Lab File: VY015599.D
Acq: 16 Sep 2023 03:57

Tgt Ion: 65 Resp: 137519
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1126

Delta R.T. 0.018 min

Lab File: VY015599.D

Acq: 16 Sep 2023 03:57

Instrument :

MSVOA_Y

ClientSampleId :

DB-06(23-25)

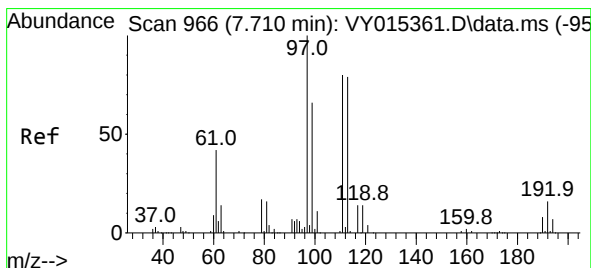
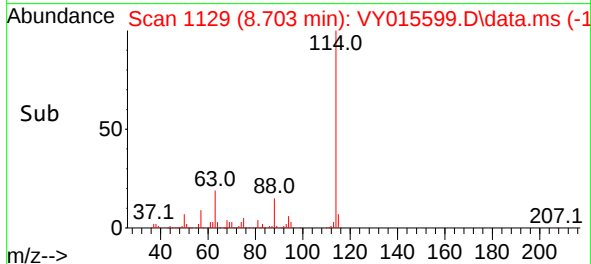
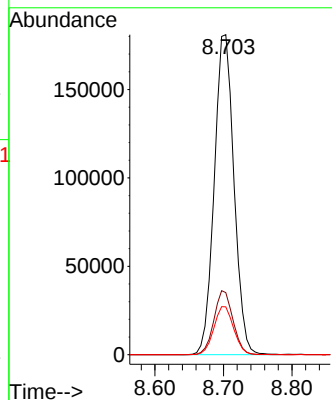
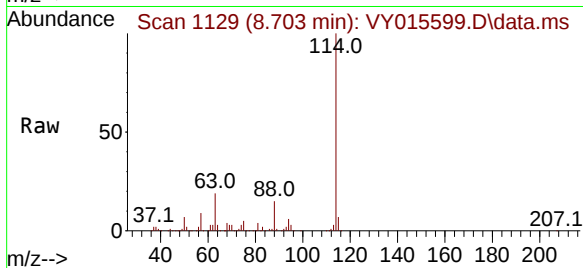
Tgt Ion:114 Resp: 360776

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.766 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015599.D

Acq: 16 Sep 2023 03:57

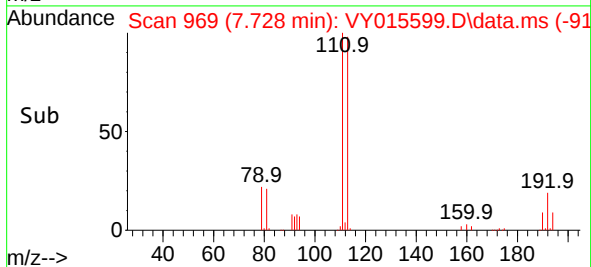
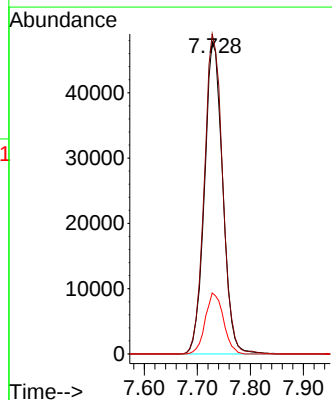
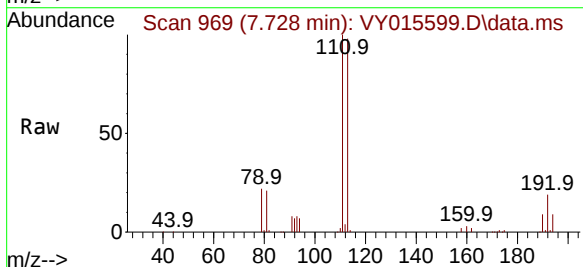
Tgt Ion:113 Resp: 113803

Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 19.6 16.9 25.3

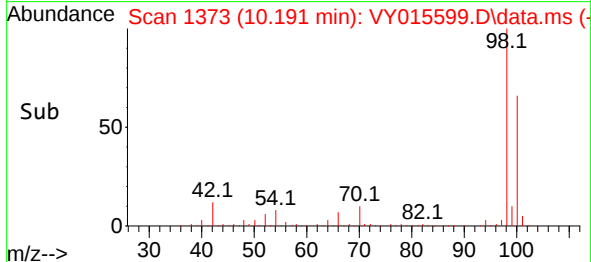
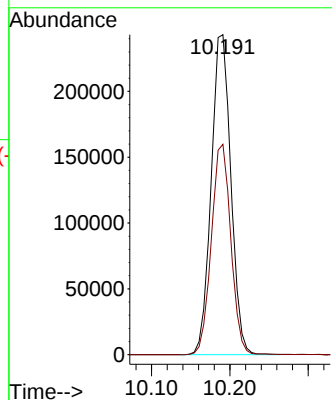
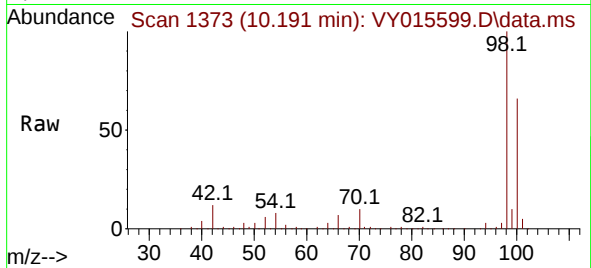




#50
Toluene-d8
Concen: 56.355 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015599.D
Acq: 16 Sep 2023 03:57

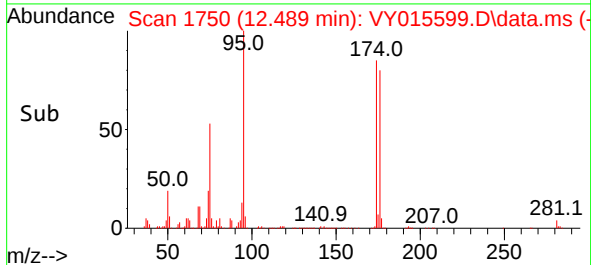
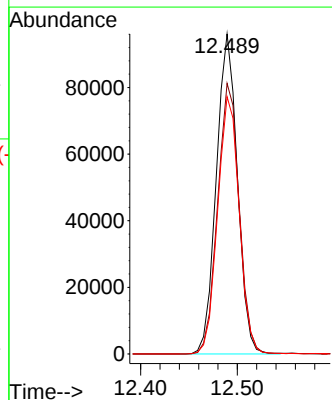
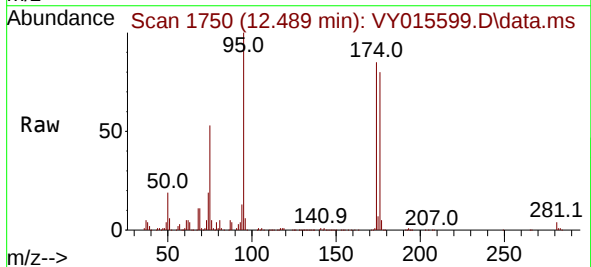
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(23-25)

Tgt Ion: 98 Resp: 424084
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.981 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015599.D
Acq: 16 Sep 2023 03:57

Tgt Ion: 95 Resp: 145215
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 82.1 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: VY015599.D

Acq: 16 Sep 2023 03:57

Instrument :

MSVOA_Y

ClientSampleId :

DB-06(23-25)

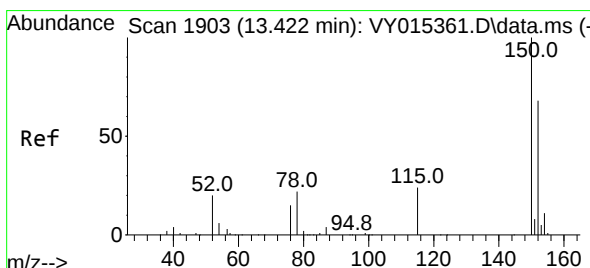
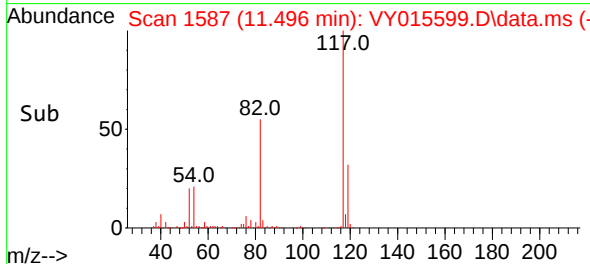
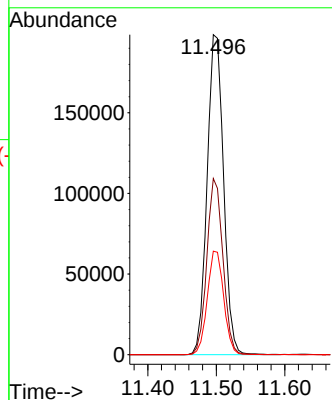
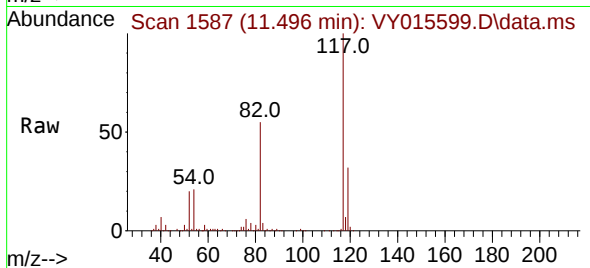
Tgt Ion:117 Resp: 331971

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY015599.D

Acq: 16 Sep 2023 03:57

Tgt Ion:152 Resp: 155443

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 158.2 0.0 348.8

