

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015692.D
 Acq On : 22 Sep 2023 18:15
 Operator : SY/MD
 Sample : 04587-01
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-09222023

Quant Time: Sep 22 22:59:26 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	128189	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	218491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	199741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92548	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82084	58.198	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.400%
35) Dibromofluoromethane	7.722	113	70137	53.632	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.260%
50) Toluene-d8	10.185	98	257542	58.082	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.160%
62) 4-Bromofluorobenzene	12.483	95	87221	50.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.240%

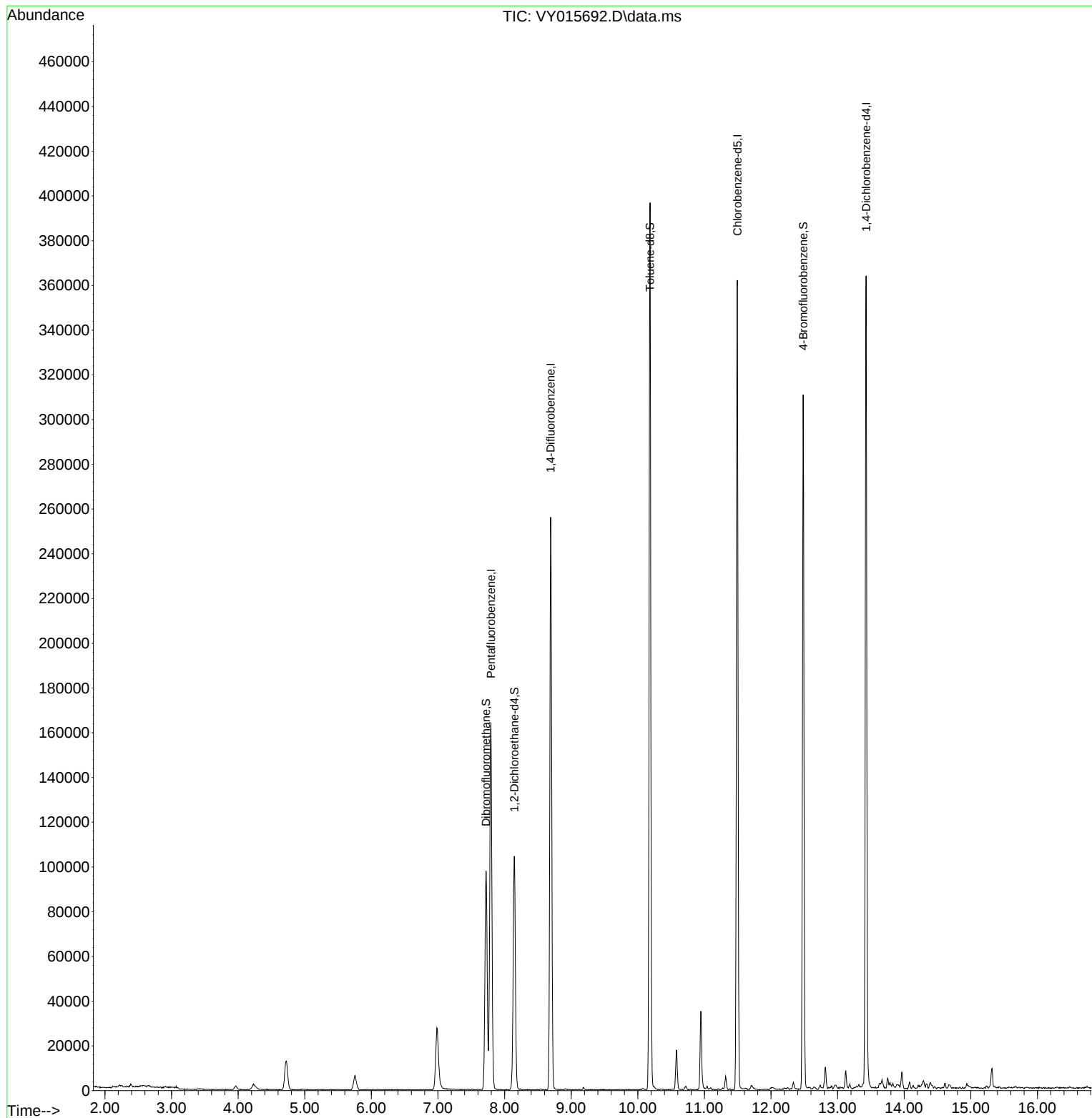
Target Compounds	Qvalue

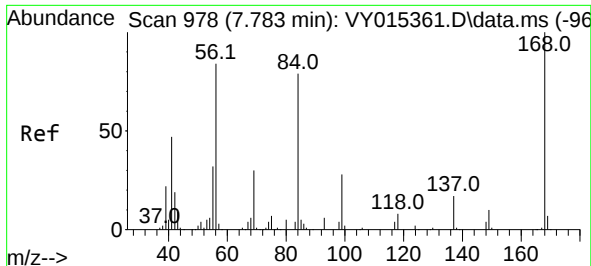
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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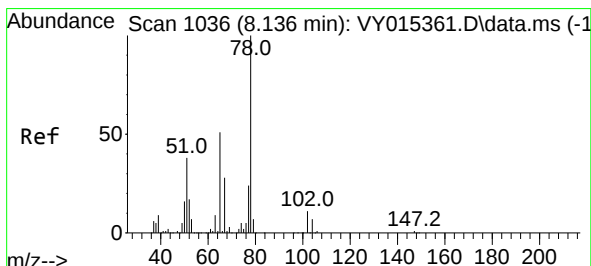
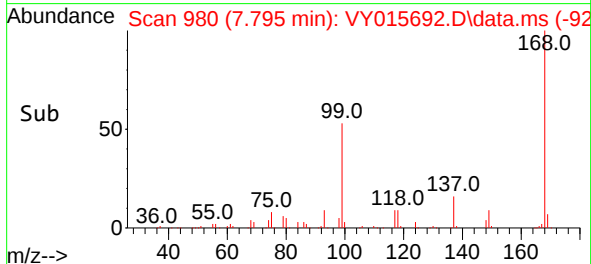
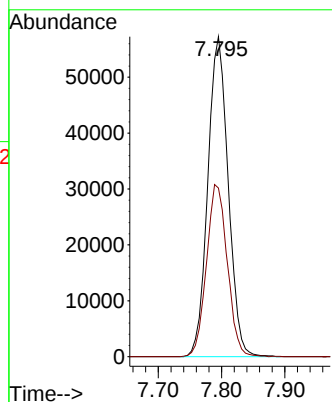
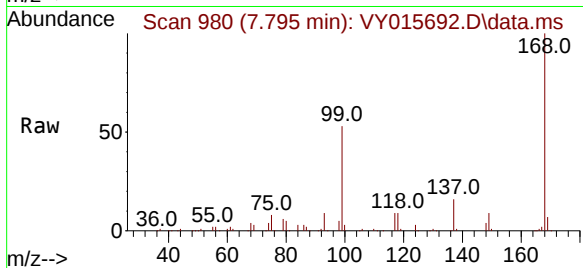




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

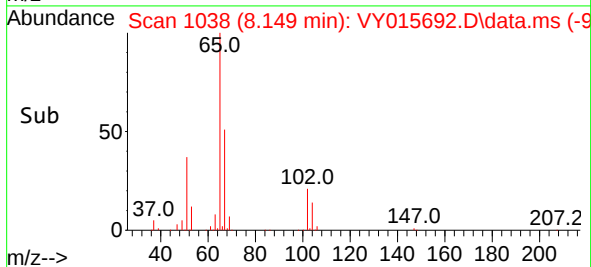
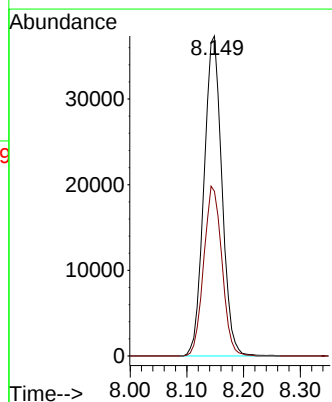
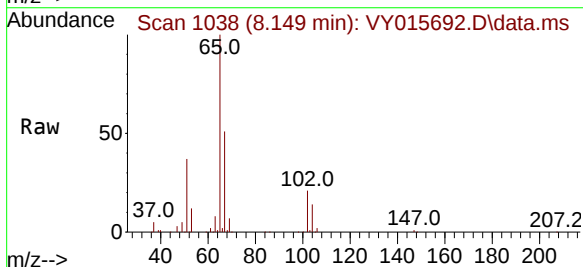
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-09222023

Tgt Ion:168 Resp: 128189
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 58.198 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

Tgt Ion: 65 Resp: 82084
Ion Ratio Lower Upper
65 100
67 53.8 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: VY015692.D

Acq: 22 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-09222023

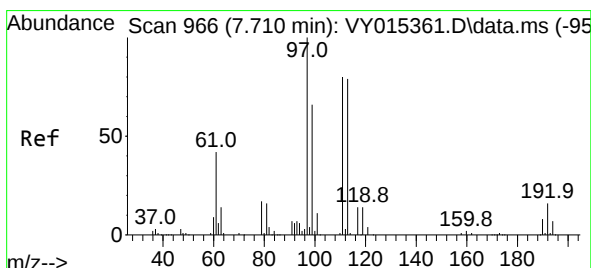
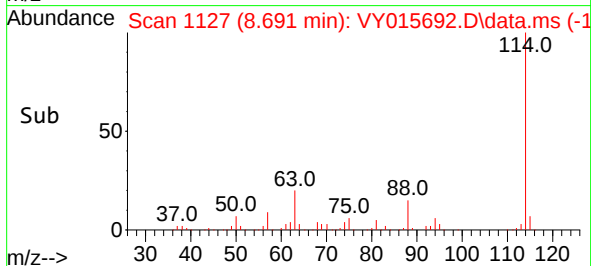
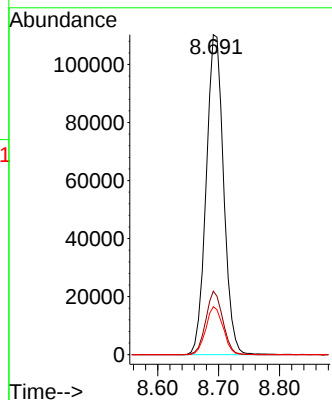
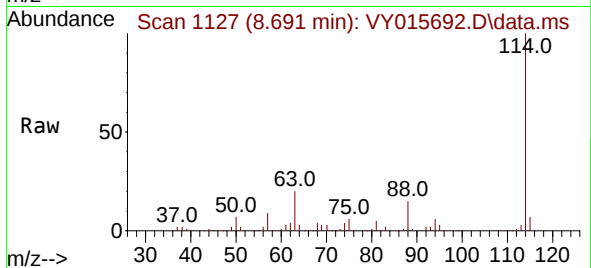
Tgt Ion:114 Resp: 218491

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.632 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015692.D

Acq: 22 Sep 2023 18:15

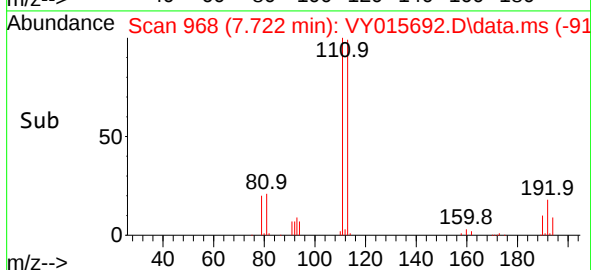
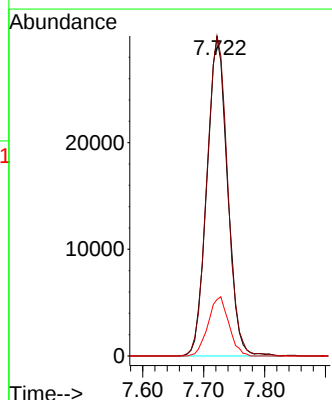
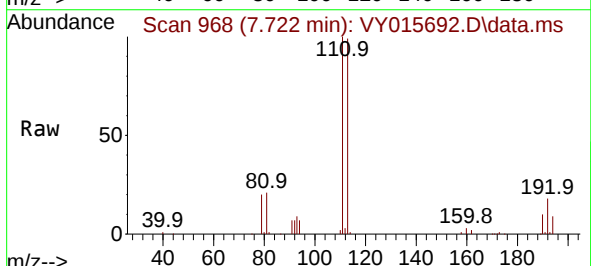
Tgt Ion:113 Resp: 70137

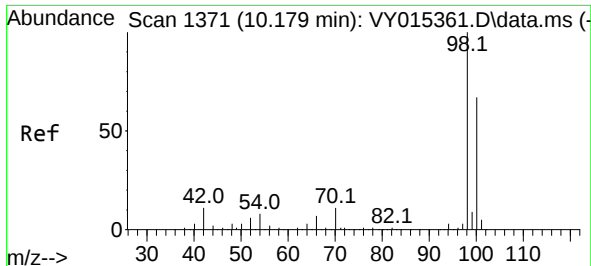
Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

192 18.6 16.9 25.3

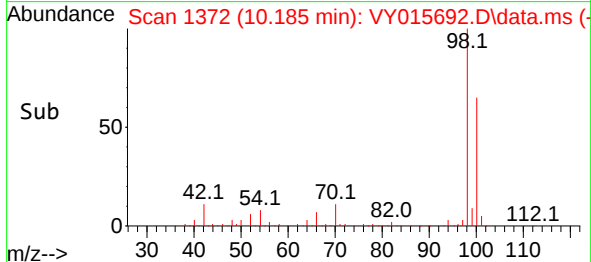
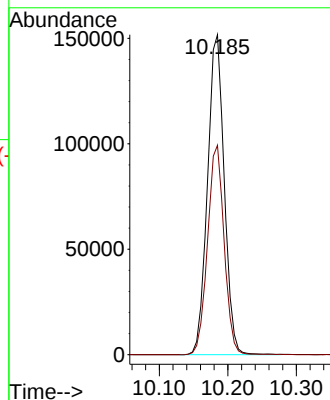
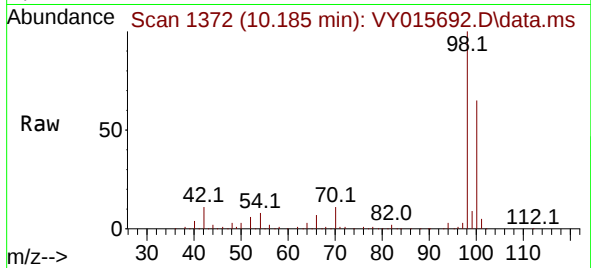




#50
Toluene-d8
Concen: 58.082 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

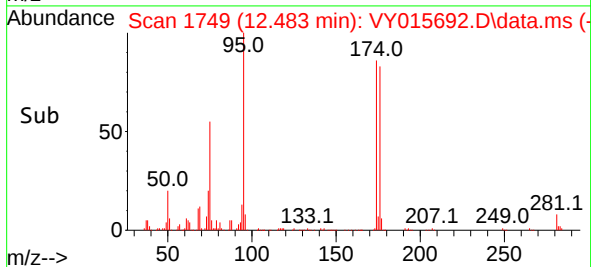
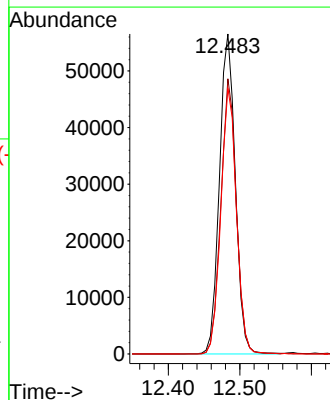
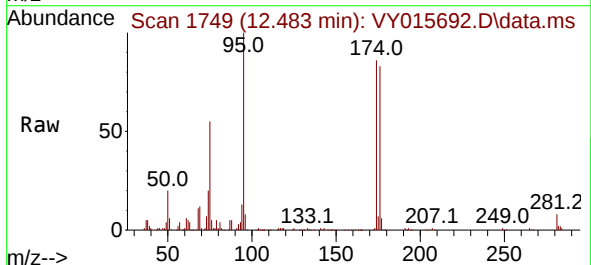
Instrument :
MSVOA_Y
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SU-04-09222023

Tgt Ion: 98 Resp: 257542
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.124 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015692.D
Acq: 22 Sep 2023 18:15

Tgt Ion: 95 Resp: 87221
Ion Ratio Lower Upper
95 100
174 83.7 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: VY015692.D

Acq: 22 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-09222023

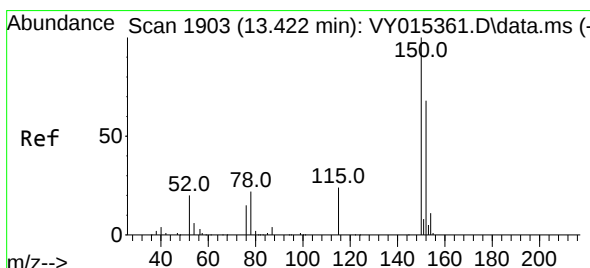
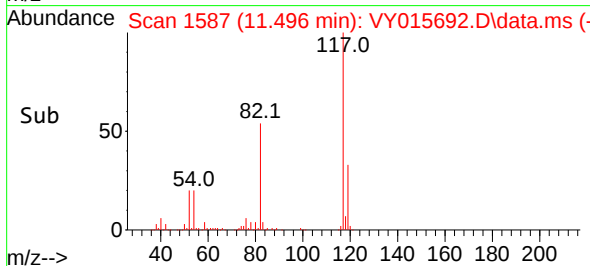
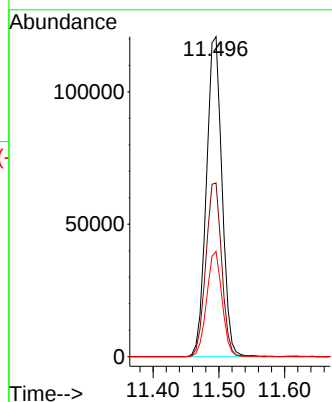
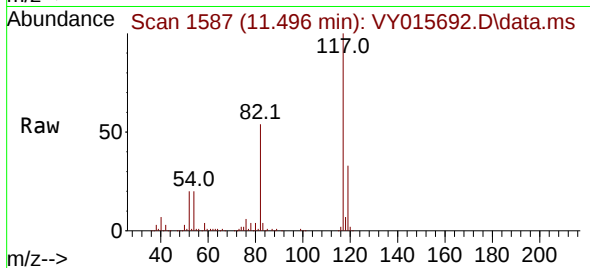
Tgt Ion:117 Resp: 199741

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.9 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: VY015692.D

Acq: 22 Sep 2023 18:15

Tgt Ion:152 Resp: 92548

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 158.3 0.0 348.8

