

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014388.D
 Acq On : 22 Jun 2023 18:46
 Operator : KP/MD
 Sample : 03321-04RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-24RE

Quant Time: Jun 23 05:01:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	73194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	93072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	72083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28252	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	31127	30.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	61.080%
35) Dibromofluoromethane	7.722	113	27665	41.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.820%
50) Toluene-d8	10.185	98	107476	43.554	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.100%
62) 4-Bromofluorobenzene	12.483	95	24584	28.045	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.100%

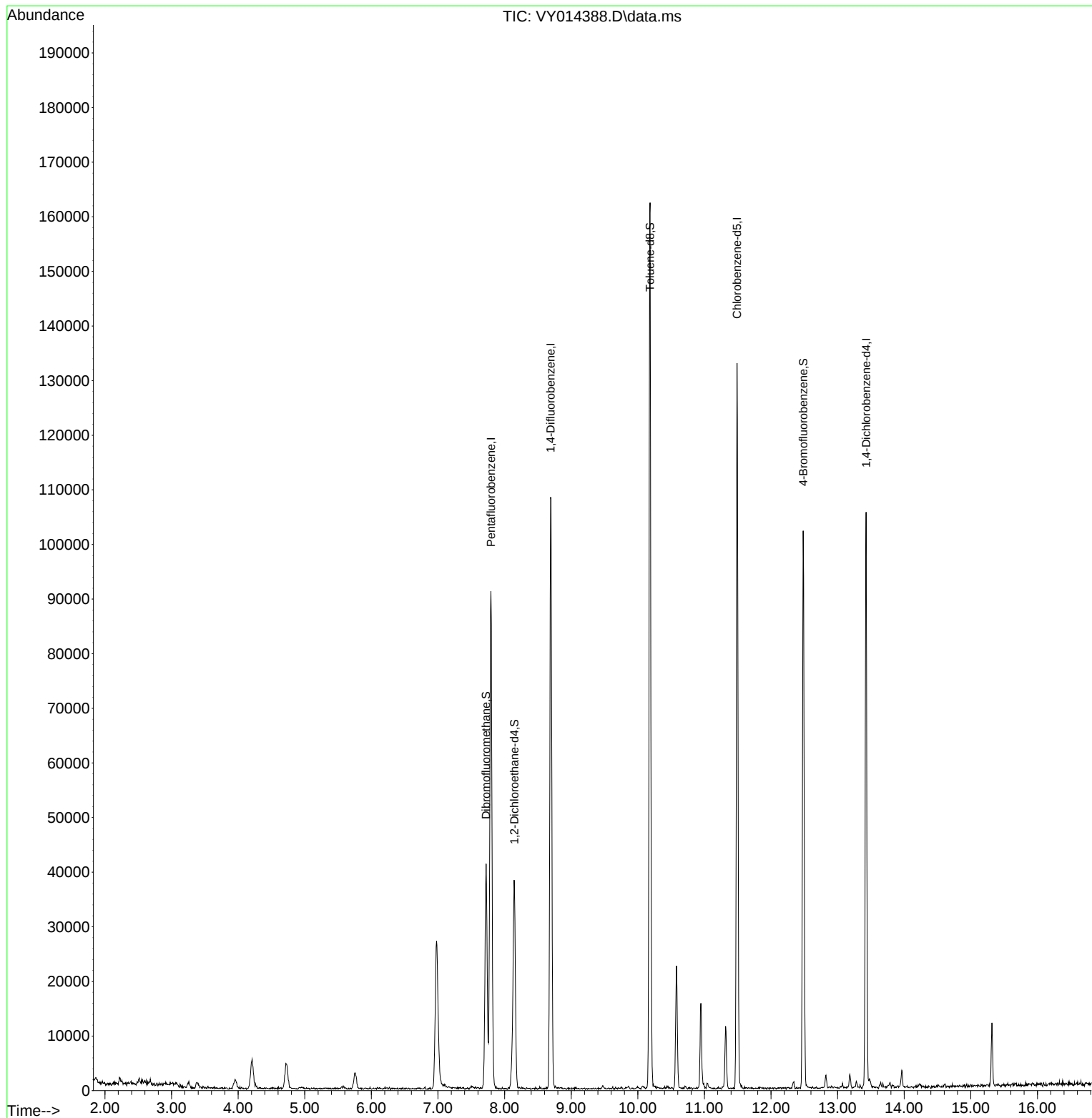
Target Compounds	Qvalue

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

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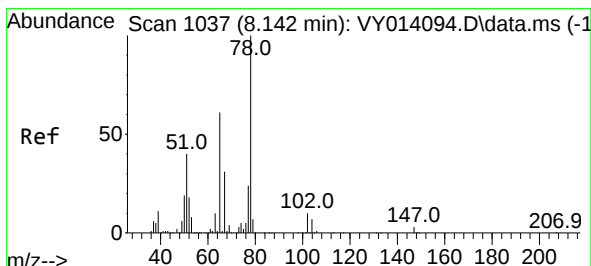
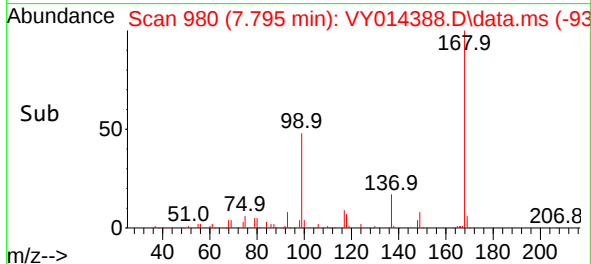
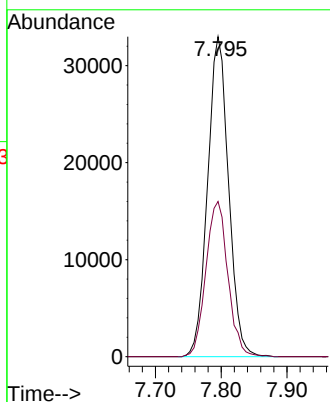
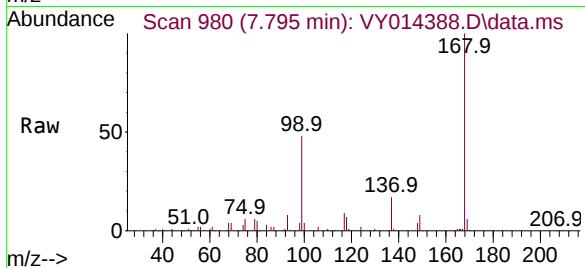




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014388.D
Acq: 22 Jun 2023 18:46

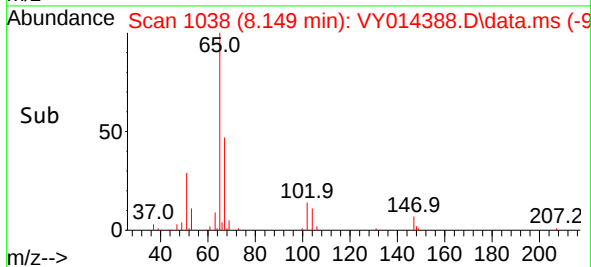
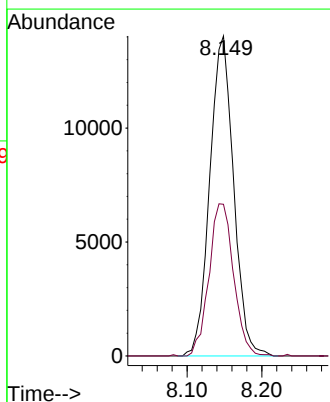
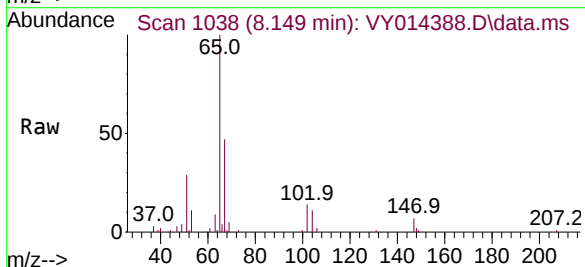
Instrument :
MSVOA_Y
ClientSampleId :
WC-24RE

Tgt Ion:168 Resp: 73194
Ion Ratio Lower Upper
168 100
99 48.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 30.539 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014388.D
Acq: 22 Jun 2023 18:46

Tgt Ion: 65 Resp: 31127
Ion Ratio Lower Upper
65 100
67 49.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014388.D

Acq: 22 Jun 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-24RE

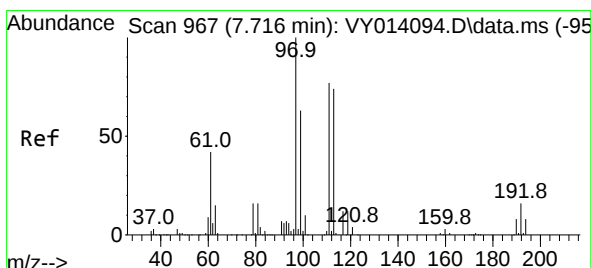
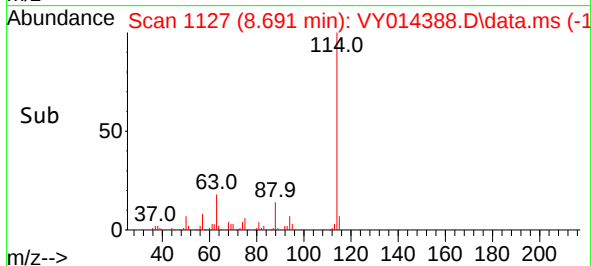
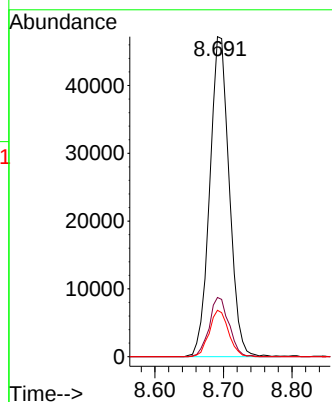
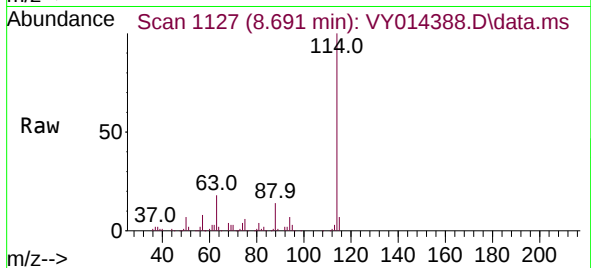
Tgt Ion:114 Resp: 93072

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 41.914 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014388.D

Acq: 22 Jun 2023 18:46

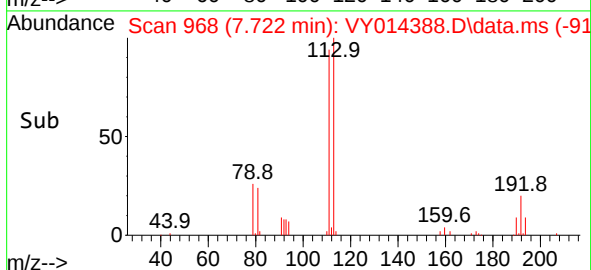
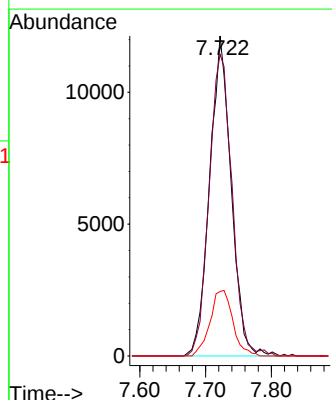
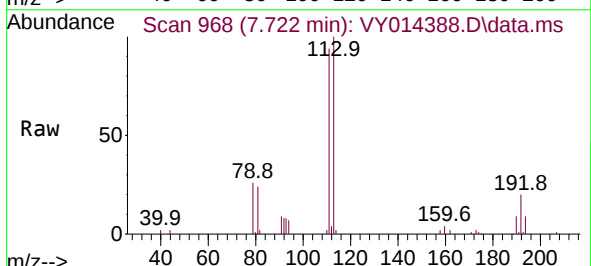
Tgt Ion:113 Resp: 27665

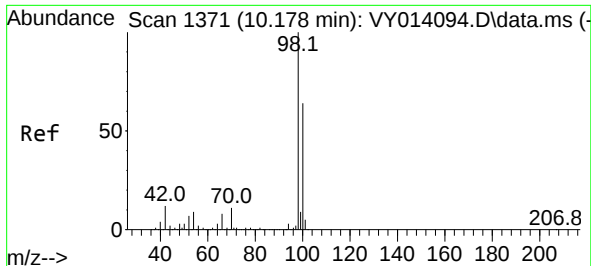
Ion Ratio Lower Upper

113 100

111 100.0 81.3 121.9

192 21.7 16.9 25.3

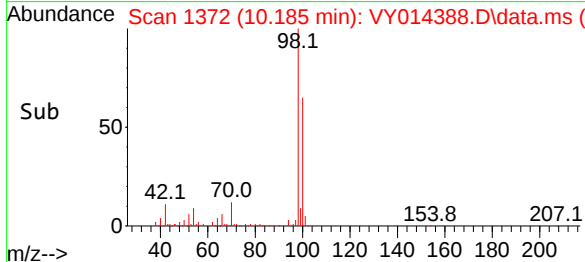
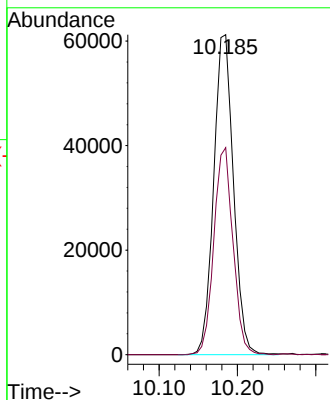
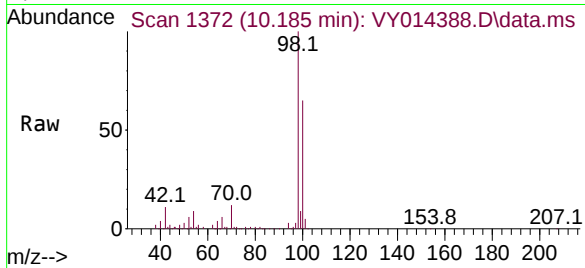




#50
Toluene-d8
Concen: 43.554 ug/l
RT: 10.185 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY014388.D
Acq: 22 Jun 2023 18:46

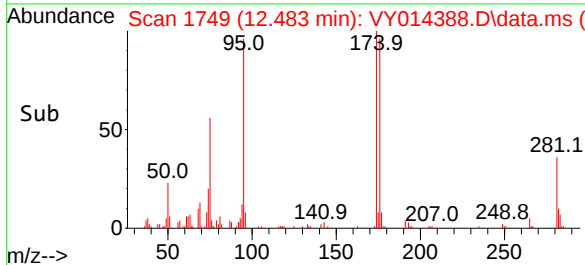
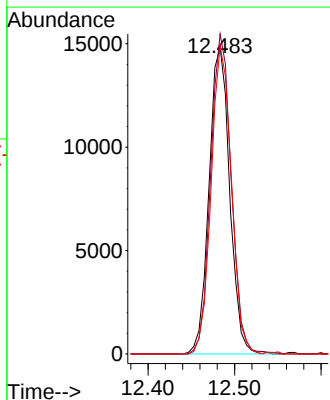
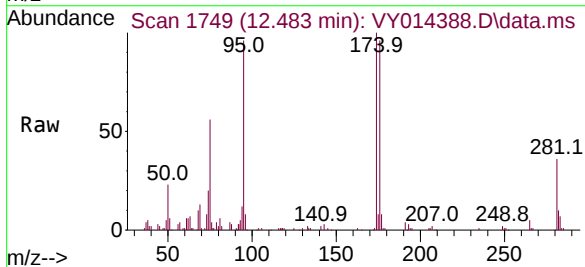
Instrument :
MSVOA_Y
ClientSampleId :
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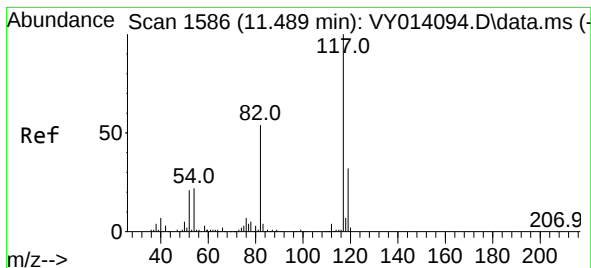
Tgt Ion: 98 Resp: 107476
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 28.045 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014388.D
Acq: 22 Jun 2023 18:46

Tgt Ion: 95 Resp: 24584
Ion Ratio Lower Upper
95 100
174 104.0 0.0 178.2
176 98.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014388.D

Acq: 22 Jun 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-24RE

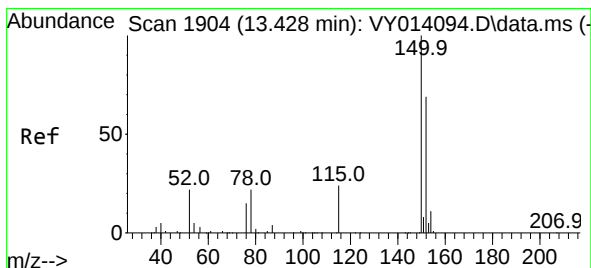
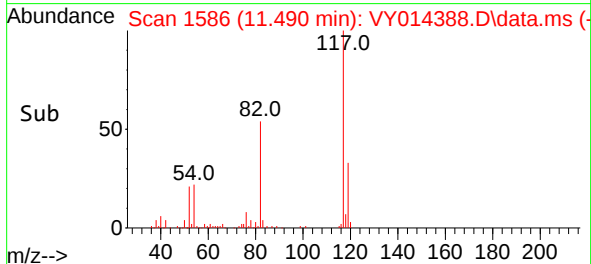
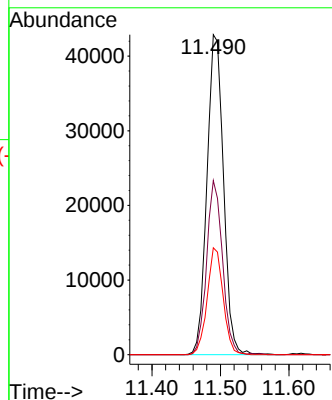
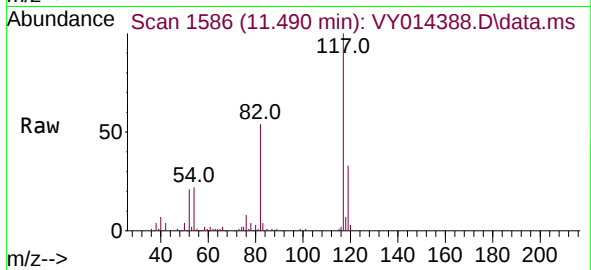
Tgt Ion:117 Resp: 72083

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 33.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014388.D

Acq: 22 Jun 2023 18:46

Tgt Ion:152 Resp: 28252

Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 156.2 0.0 348.8

