

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031224\
 Data File : VY017639.D
 Acq On : 12 Mar 2024 13:22
 Operator : SY/MD
 Sample : VY0312SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBL02

Quant Time: Mar 13 04:08:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	119177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	177918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69823	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66647	59.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.020%
35) Dibromofluoromethane	7.716	113	72788	49.890	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.780%
50) Toluene-d8	10.185	98	259470	50.865	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.740%
62) 4-Bromofluorobenzene	12.489	95	70544	44.003	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.000%

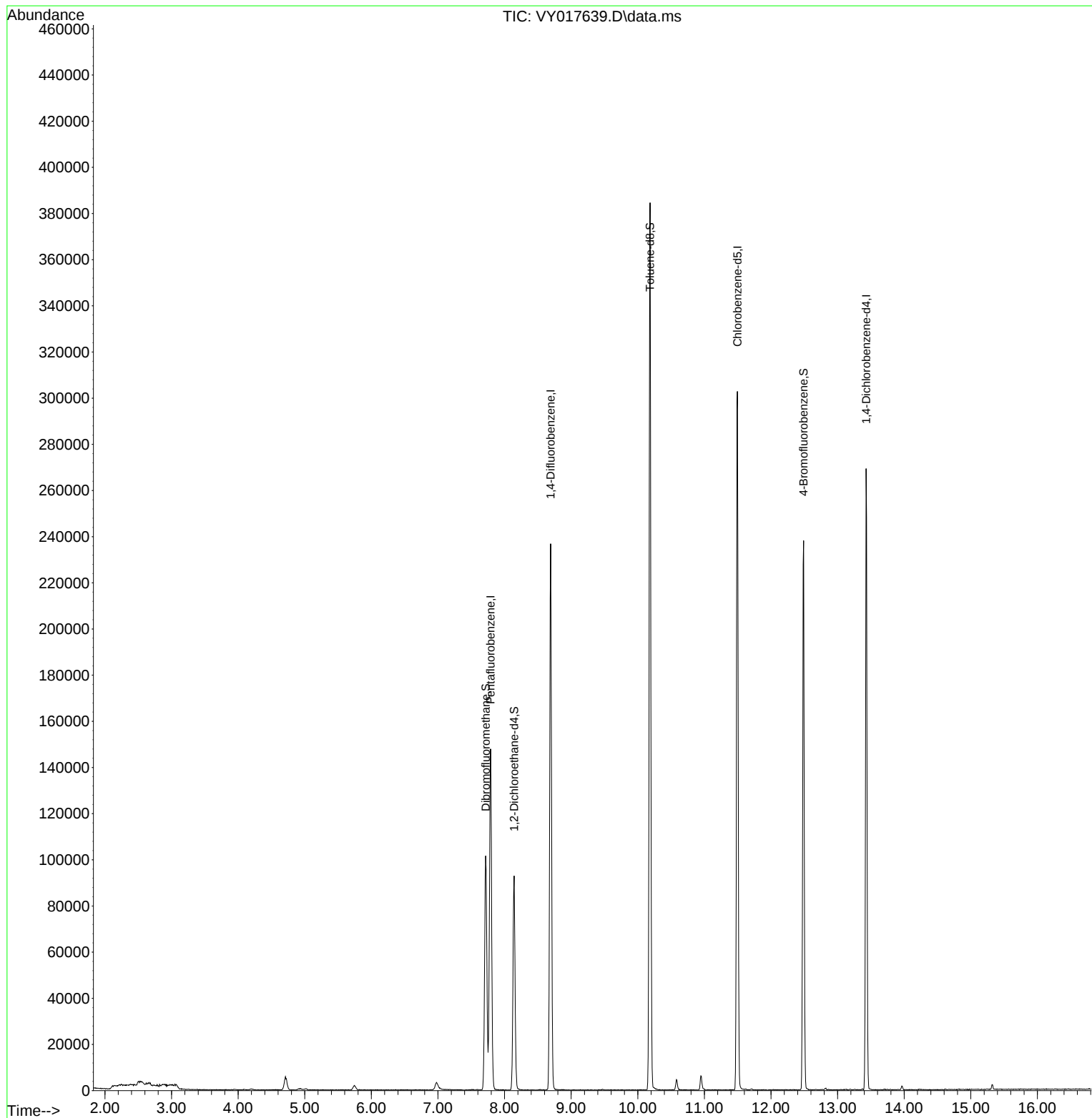
Target Compounds	Qvalue

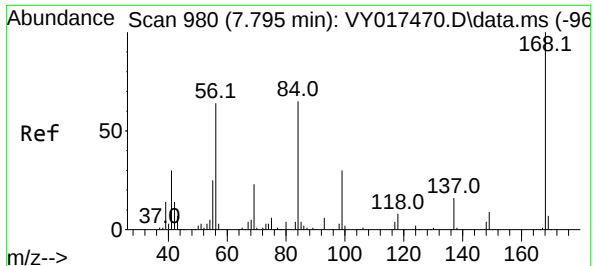
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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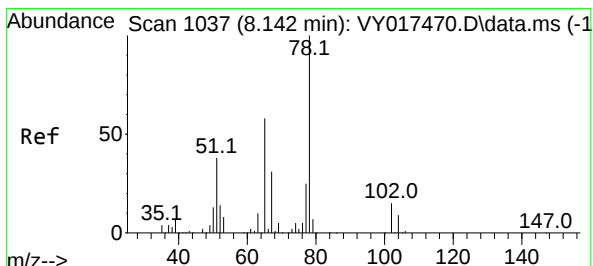
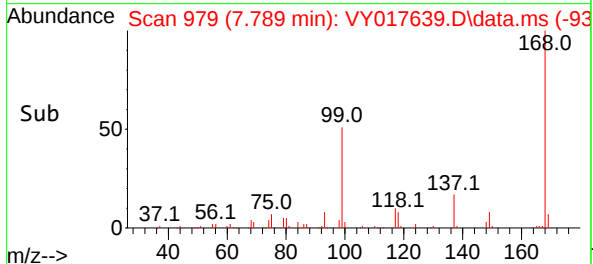
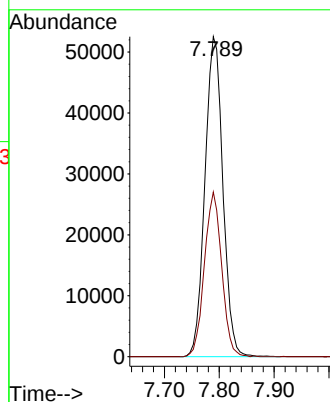
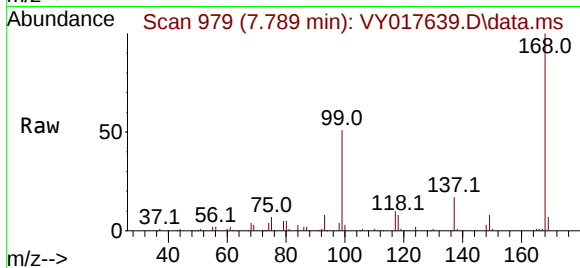




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017639.D
Acq: 12 Mar 2024 13:22

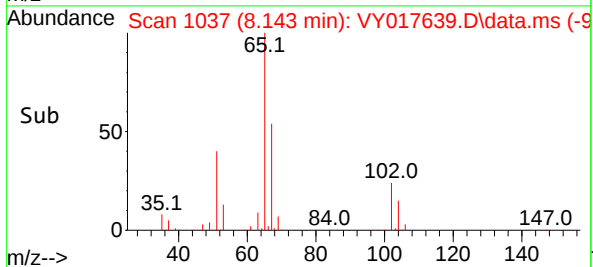
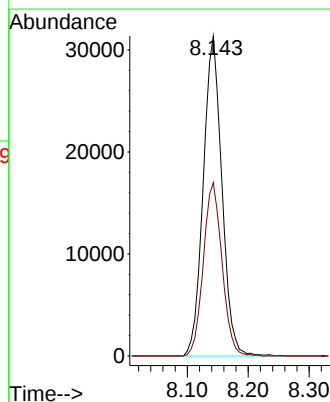
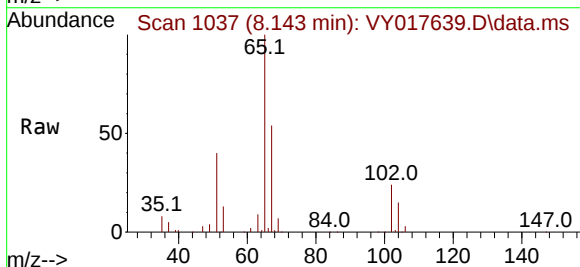
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL02

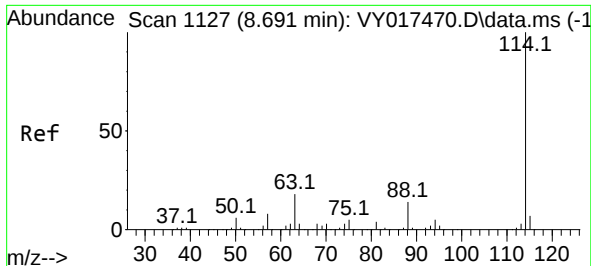
Tgt Ion:168 Resp: 119177
Ion Ratio Lower Upper
168 100
99 51.4 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 59.007 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017639.D
Acq: 12 Mar 2024 13:22

Tgt Ion: 65 Resp: 66647
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017639.D

Acq: 12 Mar 2024 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL02

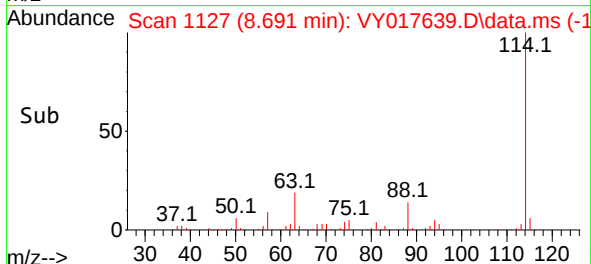
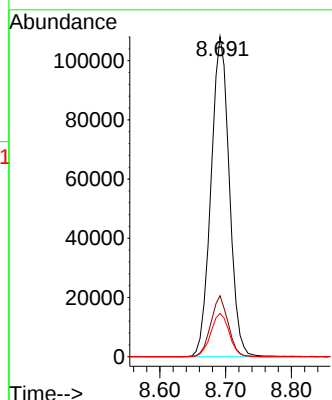
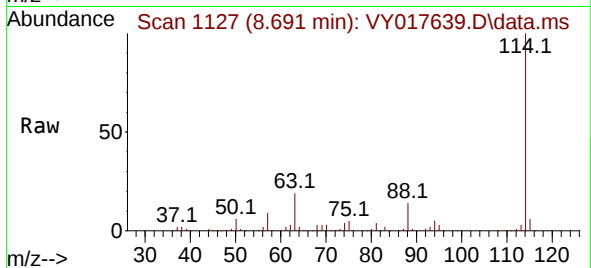
Tgt Ion:114 Resp: 209373

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.890 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017639.D

Acq: 12 Mar 2024 13:22

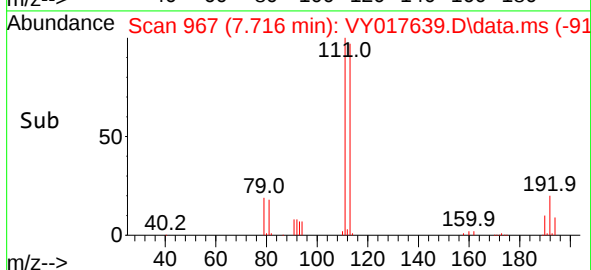
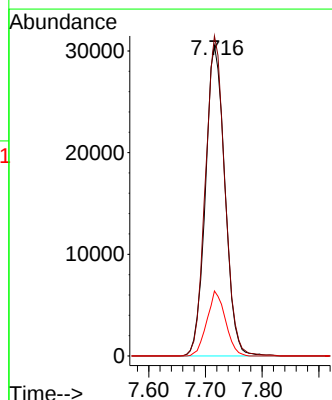
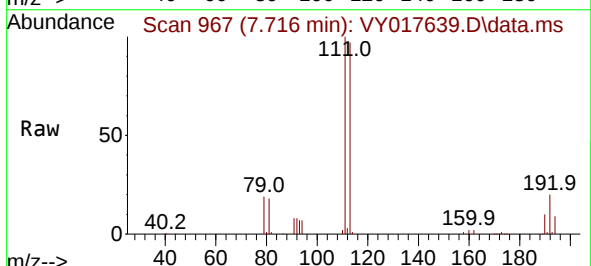
Tgt Ion:113 Resp: 72788

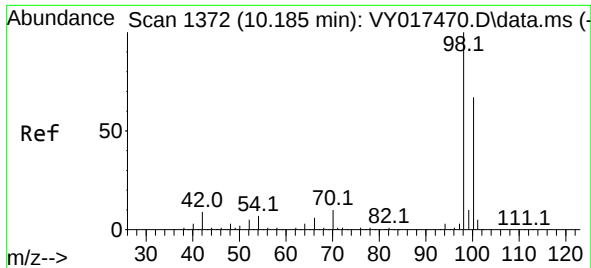
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 20.0 15.9 23.9

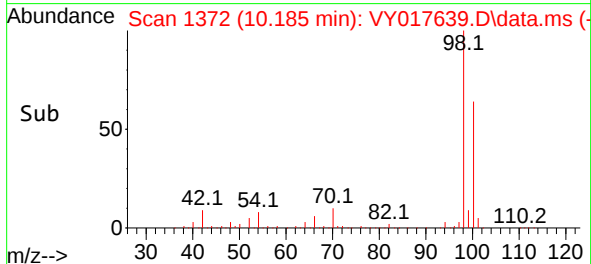
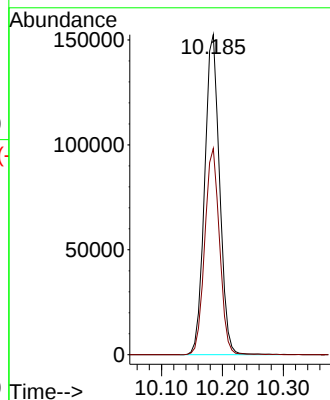
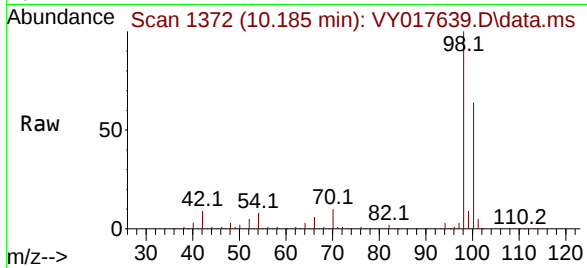




#50
Toluene-d8
Concen: 50.865 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017639.D
Acq: 12 Mar 2024 13:22

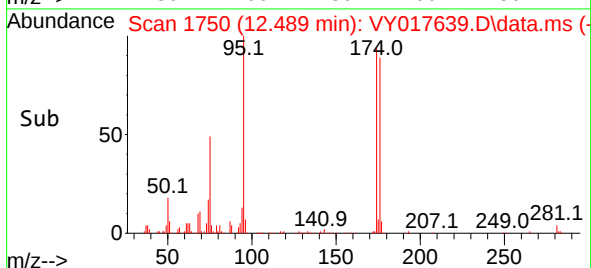
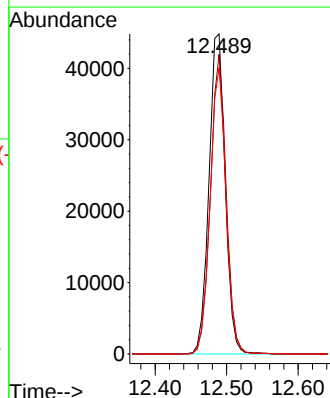
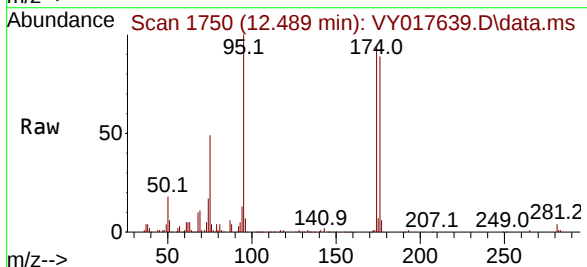
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL02

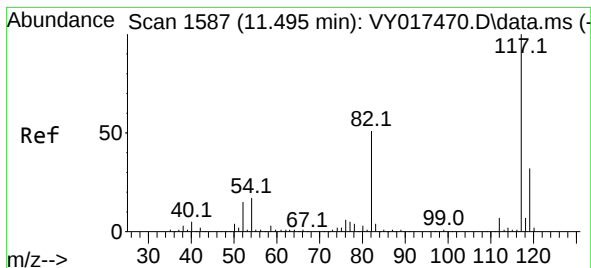
Tgt Ion: 98 Resp: 259470
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.003 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017639.D
Acq: 12 Mar 2024 13:22

Tgt Ion: 95 Resp: 70544
Ion Ratio Lower Upper
95 100
174 91.1 0.0 175.6
176 87.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY017639.D

Acq: 12 Mar 2024 13:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL02

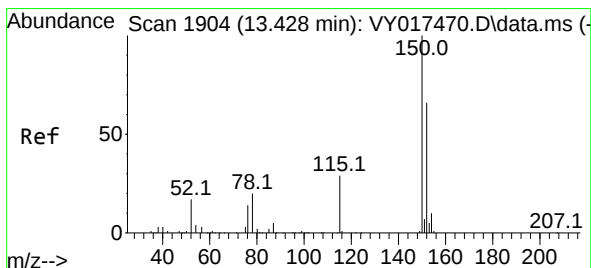
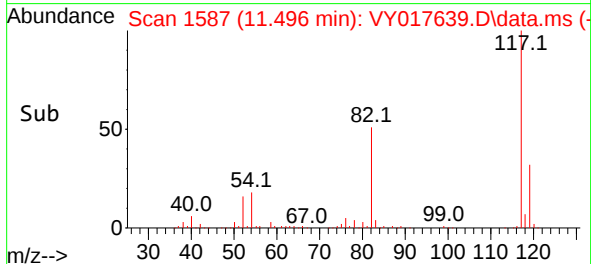
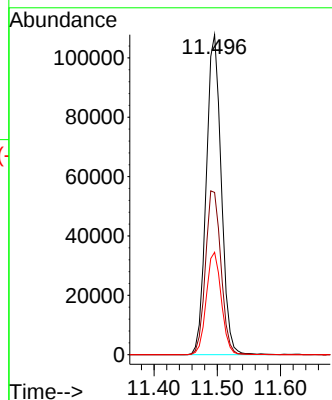
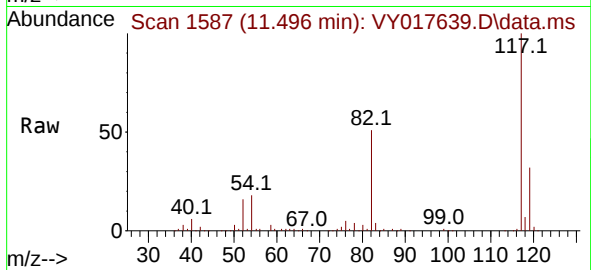
Tgt Ion:117 Resp: 177918

Ion Ratio Lower Upper

117 100

82 50.7 42.4 63.6

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017639.D

Acq: 12 Mar 2024 13:22

Tgt Ion:152 Resp: 69823

Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.7

150 156.0 0.0 345.6

