

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092524\
 Data File : VY019696.D
 Acq On : 25 Sep 2024 15:38
 Operator : SY/MD
 Sample : P4178-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ231

Quant Time: Sep 26 04:01:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	107731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	192302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	153567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53354	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57255	57.395	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.780%
35) Dibromofluoromethane	7.634	113	60777	55.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.480%
50) Toluene-d8	10.109	98	216789	53.756	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.520%
62) 4-Bromofluorobenzene	12.408	95	63908	41.214	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	82.420%

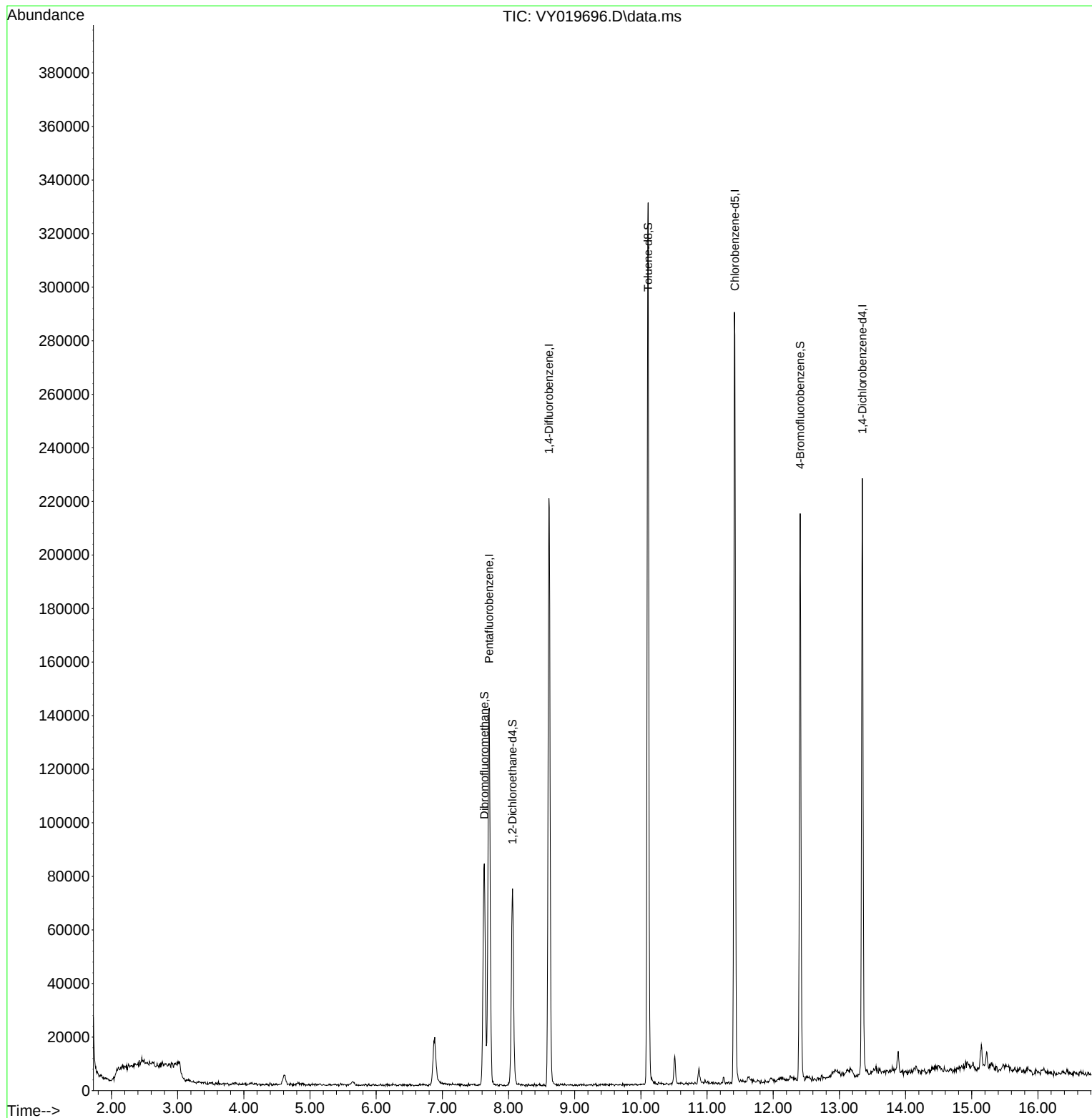
Target Compounds	Qvalue

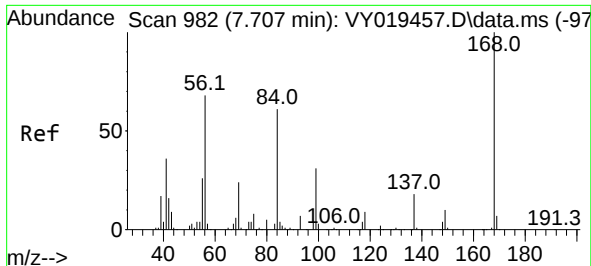
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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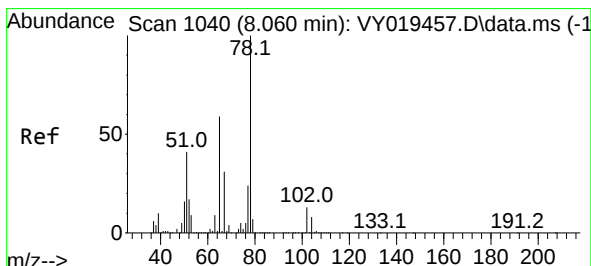
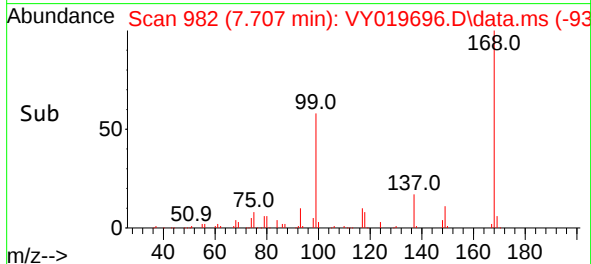
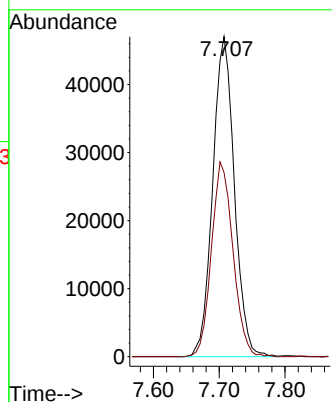
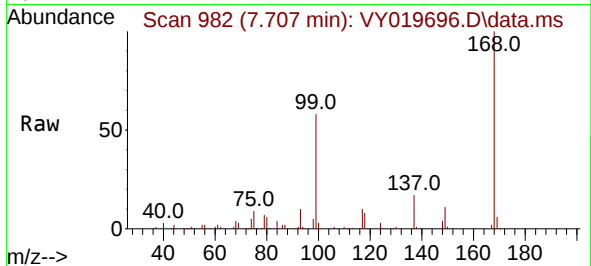




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019696.D
Acq: 25 Sep 2024 15:38

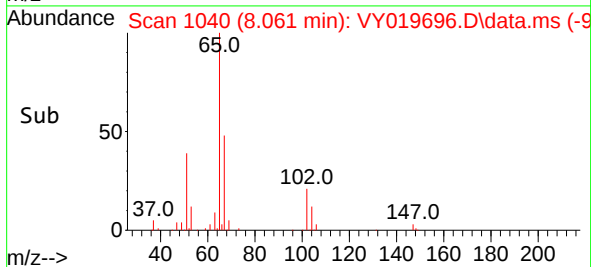
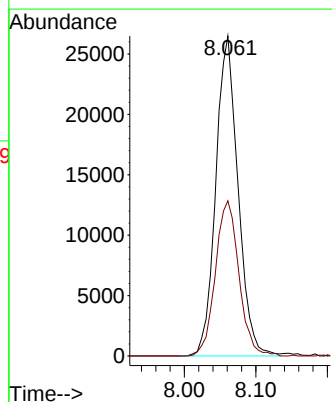
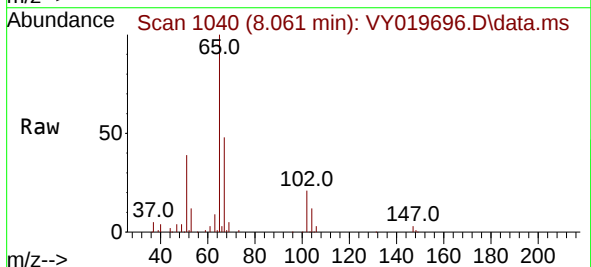
Instrument :
MSVOA_Y
ClientSampleId :
VNJ231

Tgt Ion:168 Resp: 107731
Ion Ratio Lower Upper
168 100
99 57.6 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 57.395 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019696.D
Acq: 25 Sep 2024 15:38

Tgt Ion: 65 Resp: 57255
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019696.D

Acq: 25 Sep 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :

VNJ231

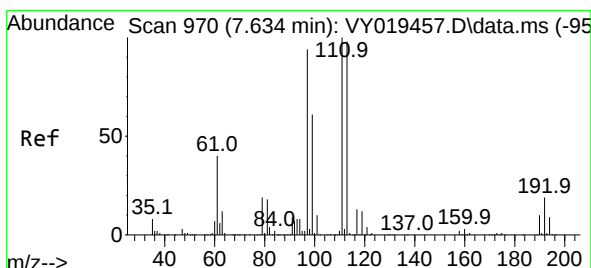
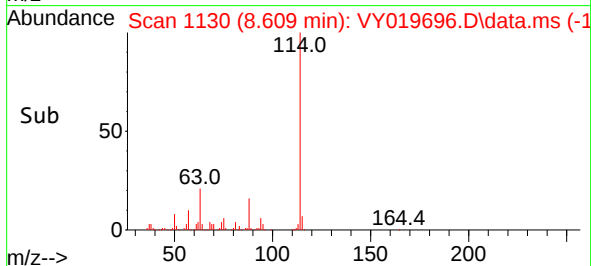
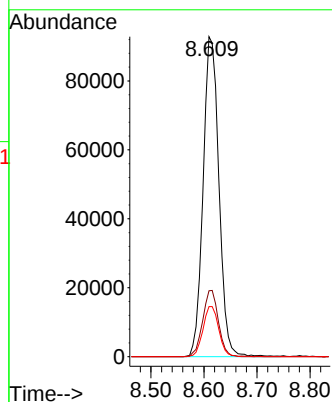
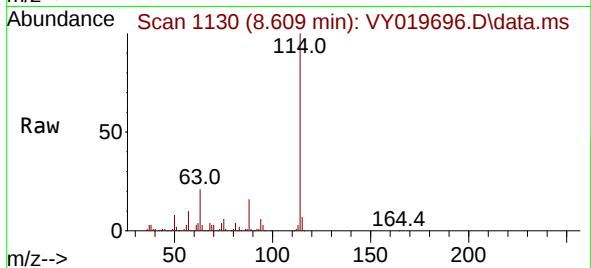
Tgt Ion:114 Resp: 192302

Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.0

88 15.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.743 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019696.D

Acq: 25 Sep 2024 15:38

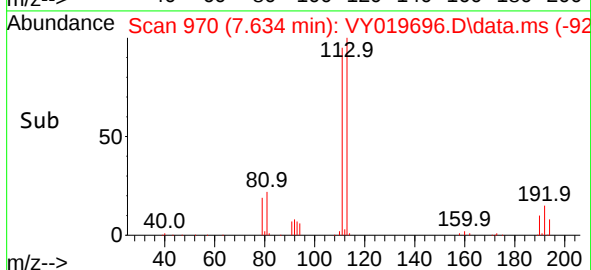
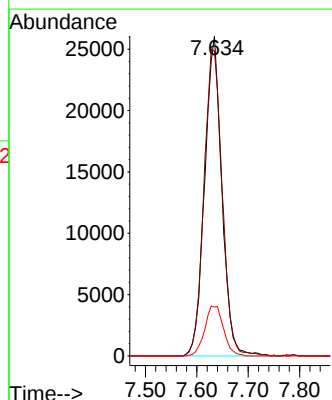
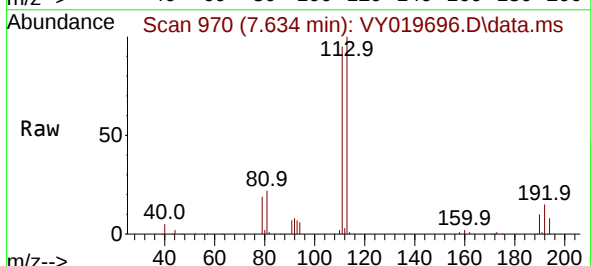
Tgt Ion:113 Resp: 60777

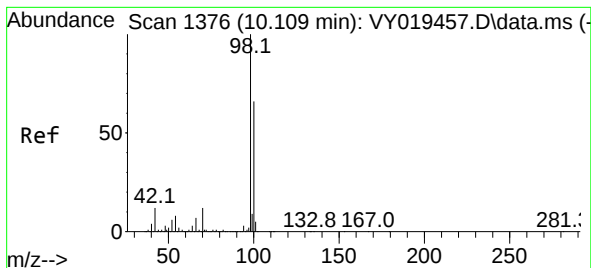
Ion Ratio Lower Upper

113 100

111 100.9 82.2 123.4

192 17.1 15.9 23.9





#50

Toluene-d8

Concen: 53.756 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019696.D

Acq: 25 Sep 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :

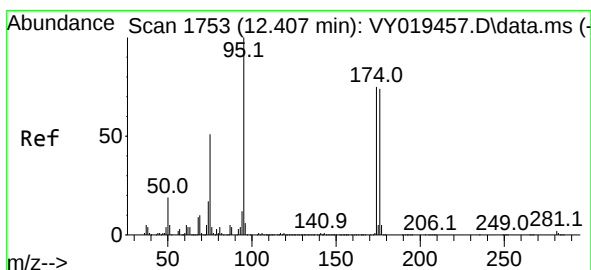
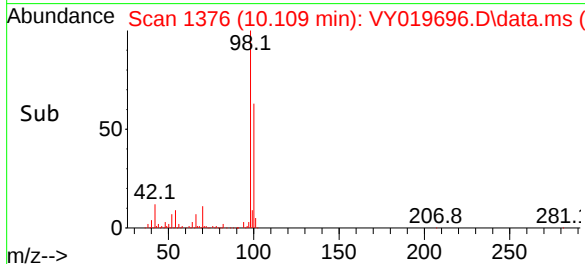
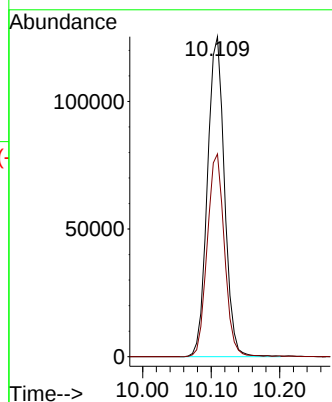
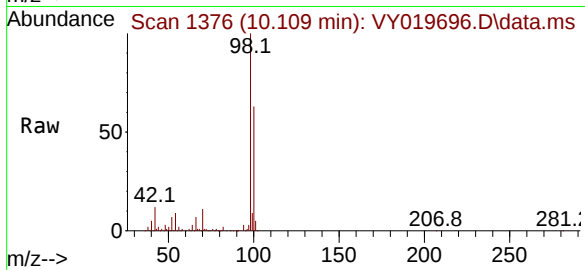
VNJ231

Tgt Ion: 98 Resp: 216789

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.214 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019696.D

Acq: 25 Sep 2024 15:38

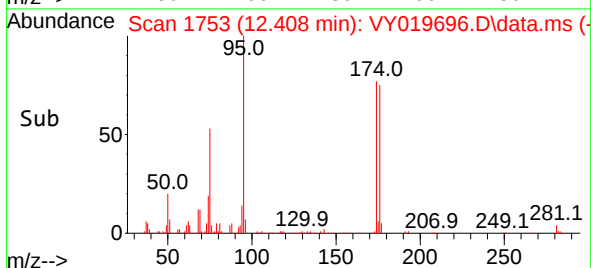
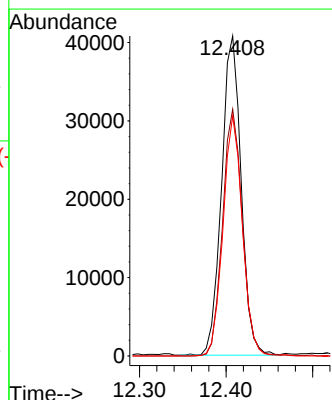
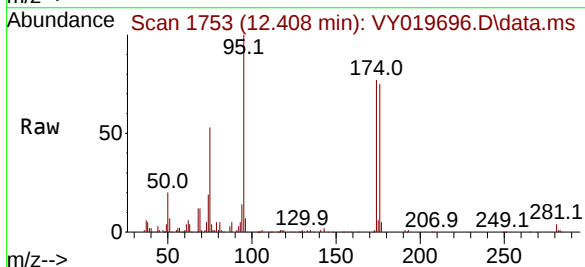
Tgt Ion: 95 Resp: 63908

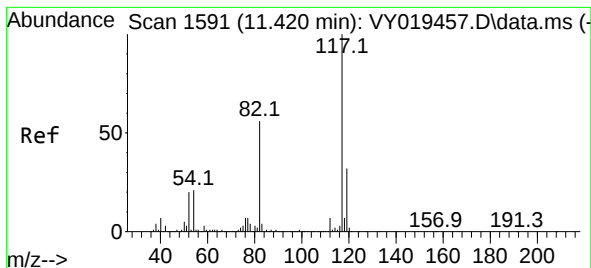
Ion Ratio Lower Upper

95 100

174 78.0 0.0 175.6

176 74.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019696.D

Acq: 25 Sep 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :

VNJ231

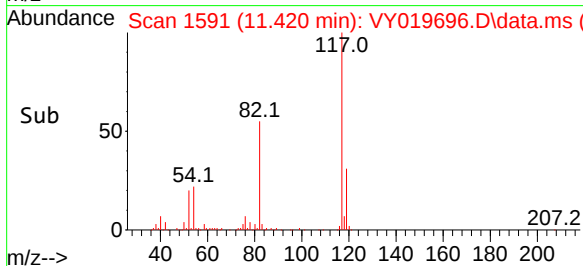
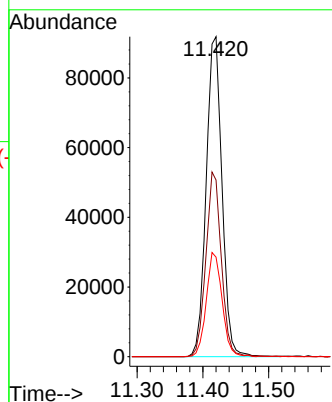
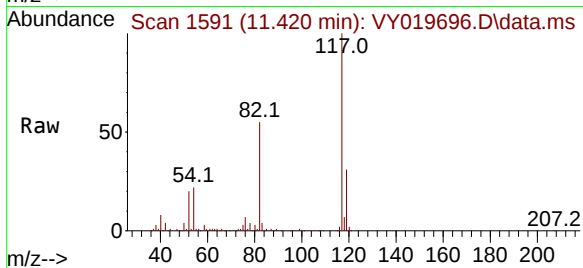
Tgt Ion:117 Resp: 153567

Ion Ratio Lower Upper

117 100

82 55.2 42.4 63.6

119 31.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019696.D

Acq: 25 Sep 2024 15:38

Tgt Ion:152 Resp: 53354

Ion Ratio Lower Upper

152 100

115 60.6 28.2 84.7

150 156.5 0.0 345.6

