

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013507.D
 Acq On : 27 Apr 2023 21:11
 Operator : KP/MD
 Sample : 02490-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-208

Quant Time: Apr 28 01:35:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	168087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	284154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	279406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124647	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128175	69.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.120%
35) Dibromofluoromethane	7.716	113	104397	58.414	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.820%
50) Toluene-d8	10.179	98	353268	55.565	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.120%
62) 4-Bromofluorobenzene	12.477	95	112434	52.457	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.920%

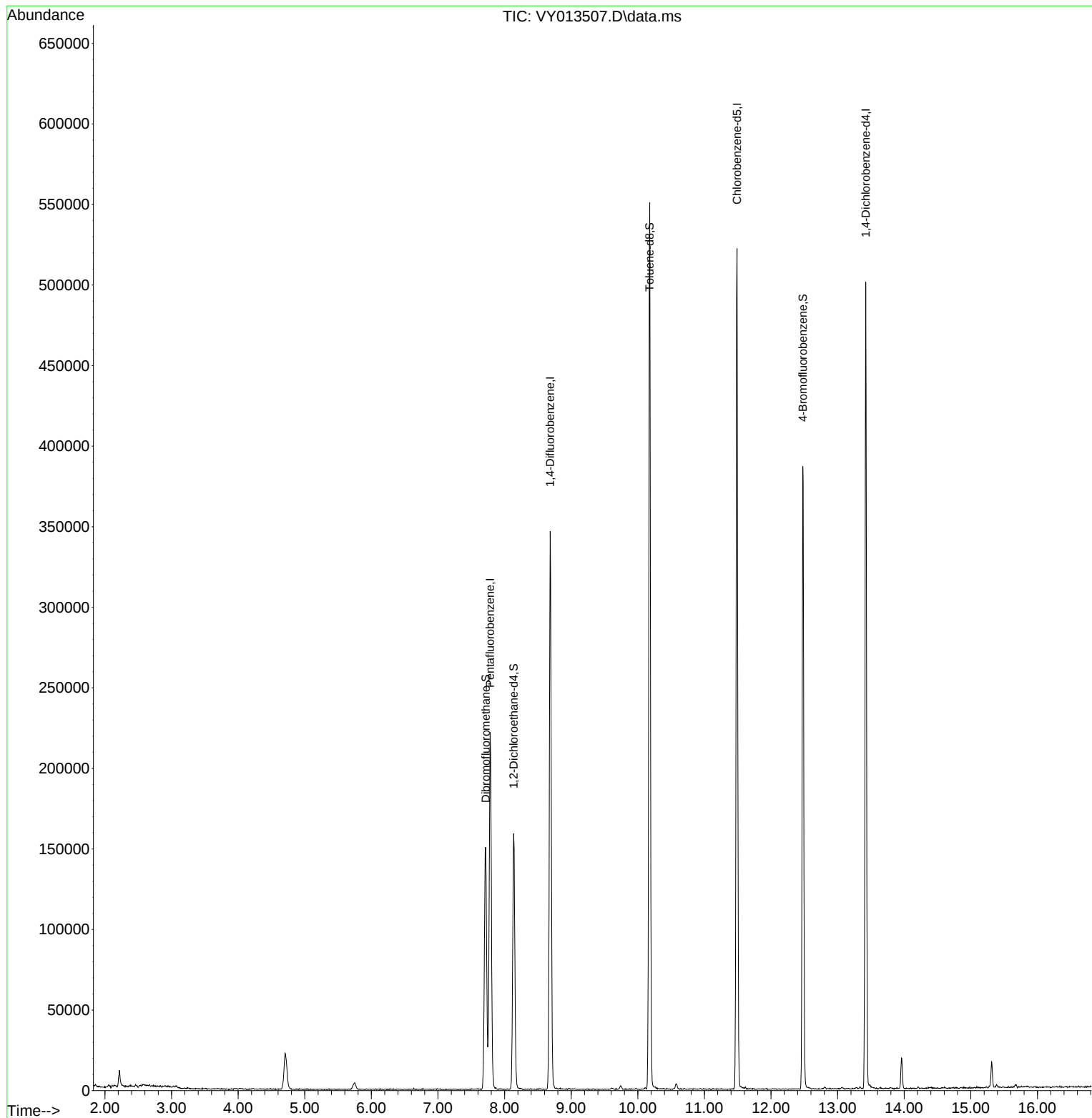
Target Compounds	Qvalue

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

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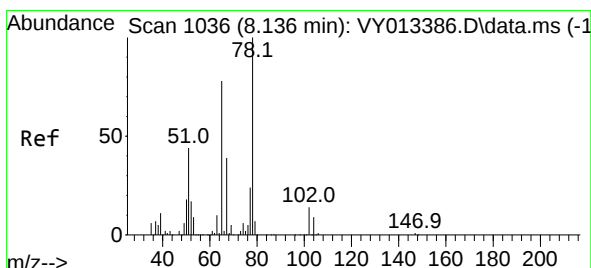
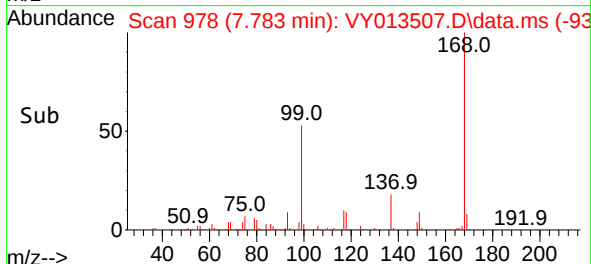
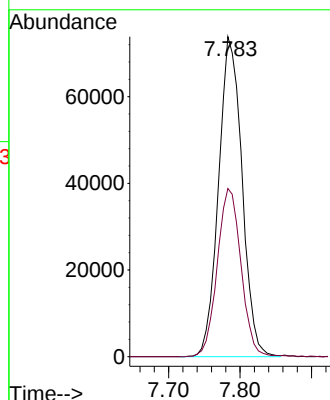
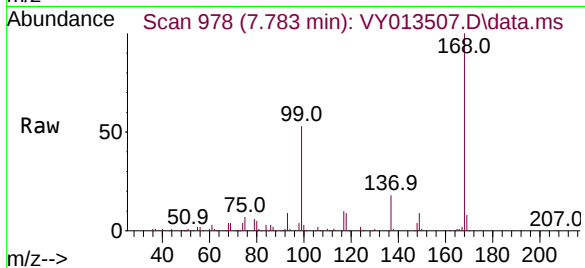




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013507.D
Acq: 27 Apr 2023 21:11

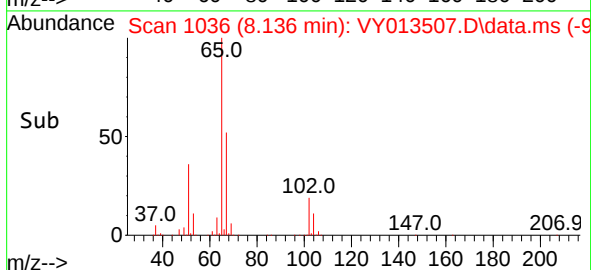
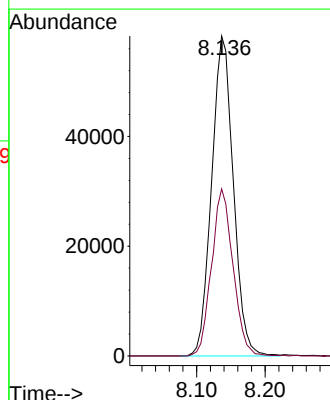
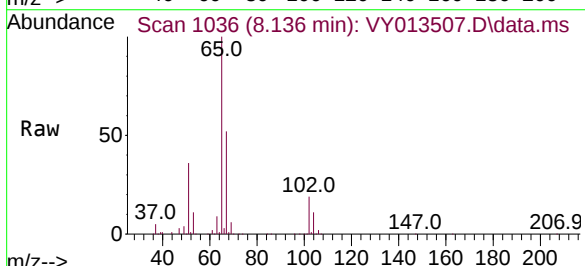
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

Tgt Ion:168 Resp: 168087
Ion Ratio Lower Upper
168 100
99 52.6 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 69.562 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013507.D
Acq: 27 Apr 2023 21:11

Tgt Ion: 65 Resp: 128175
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013507.D

Acq: 27 Apr 2023 21:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208

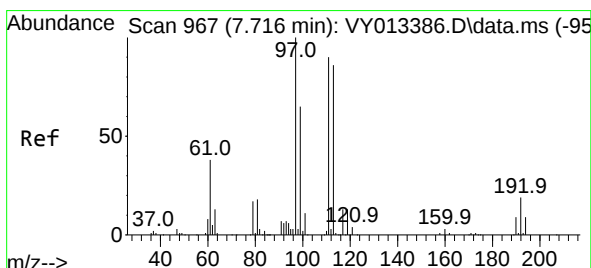
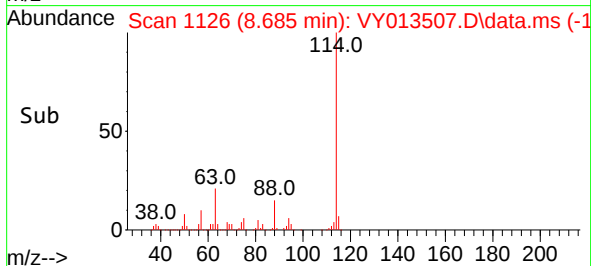
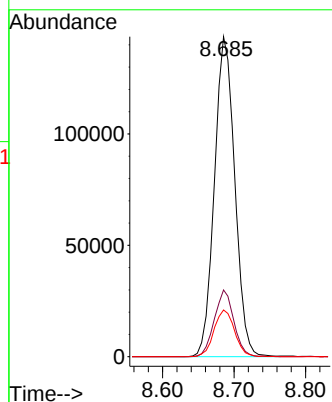
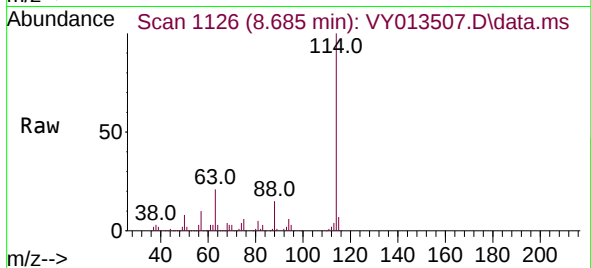
Tgt Ion:114 Resp: 284154

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.6

88 14.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 58.414 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013507.D

Acq: 27 Apr 2023 21:11

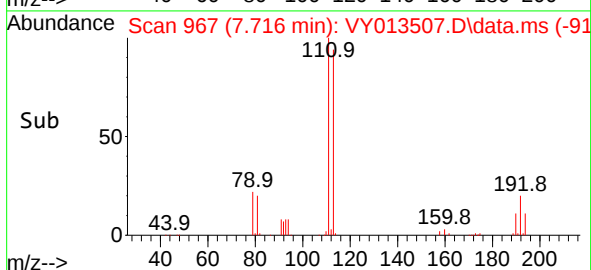
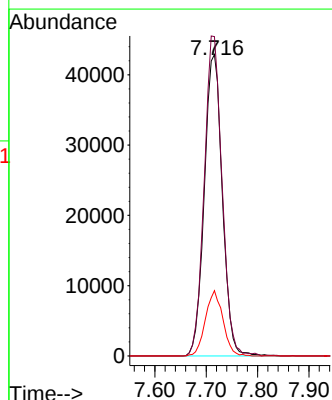
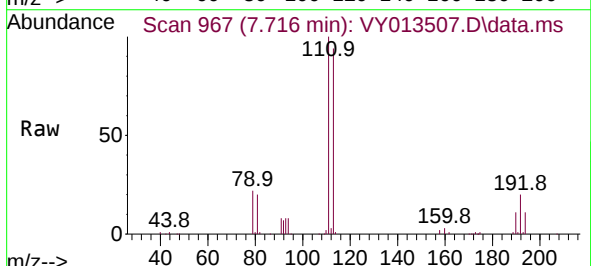
Tgt Ion:113 Resp: 104397

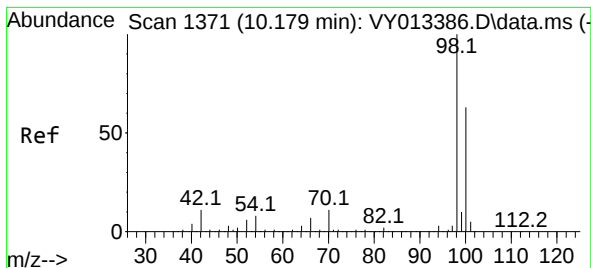
Ion Ratio Lower Upper

113 100

111 105.1 82.2 123.2

192 21.1 16.7 25.1





#50

Toluene-d8

Concen: 55.565 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013507.D

Acq: 27 Apr 2023 21:11

Instrument :

MSVOA_Y

ClientSampleId :

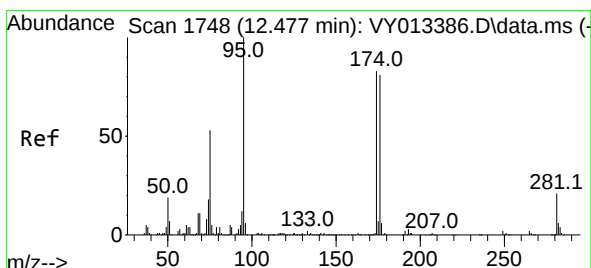
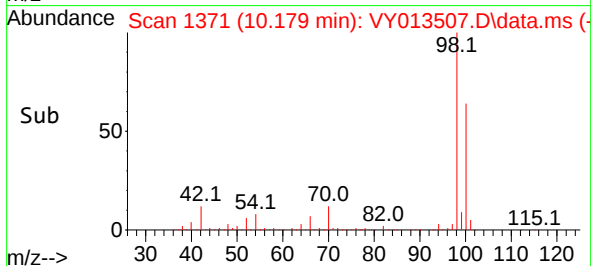
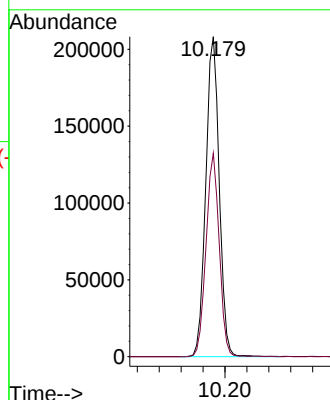
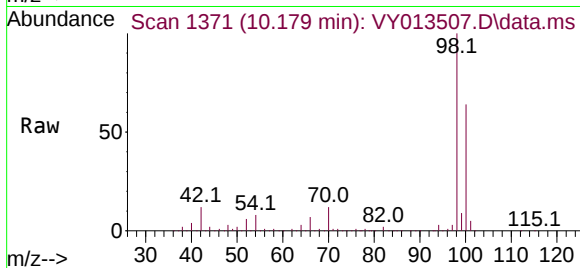
VNJ-208

Tgt Ion: 98 Resp: 353268

Ion Ratio Lower Upper

98 100

100 62.4 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 52.457 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013507.D

Acq: 27 Apr 2023 21:11

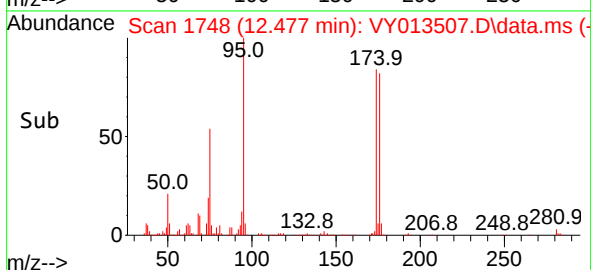
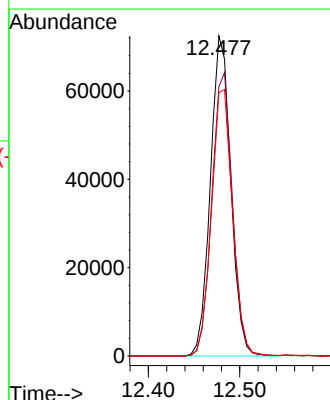
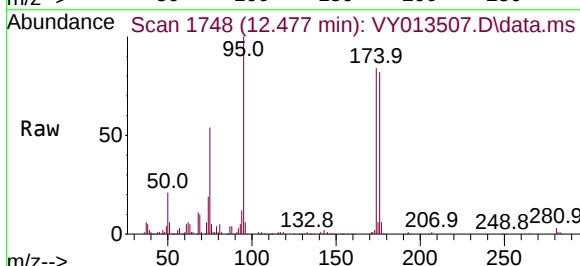
Tgt Ion: 95 Resp: 112434

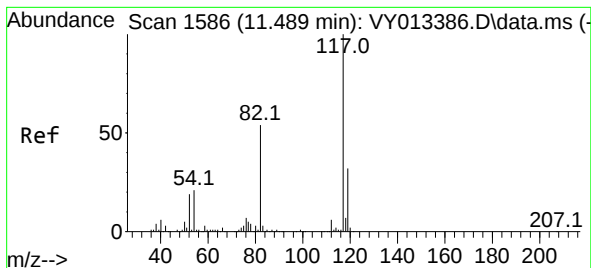
Ion Ratio Lower Upper

95 100

174 89.4 0.0 182.0

176 86.4 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013507.D

Acq: 27 Apr 2023 21:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-208

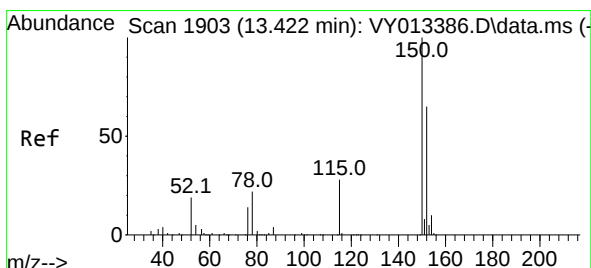
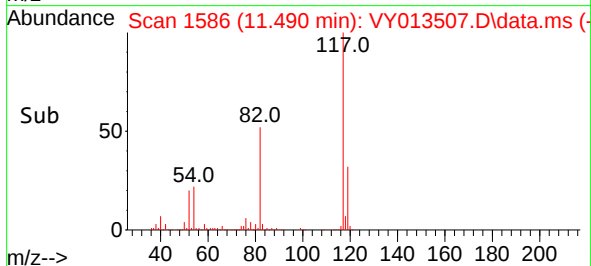
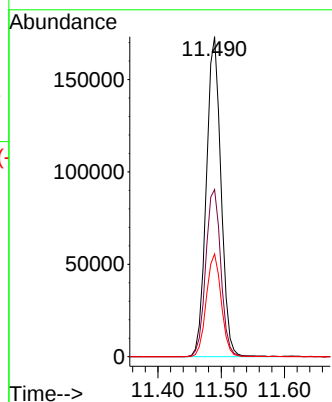
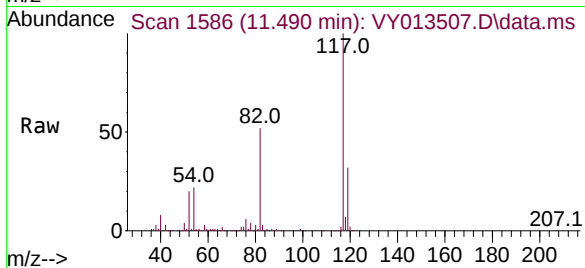
Tgt Ion:117 Resp: 279406

Ion Ratio Lower Upper

117 100

82 52.2 43.0 64.6

119 32.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013507.D

Acq: 27 Apr 2023 21:11

Tgt Ion:152 Resp: 124647

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

150 154.9 0.0 352.0

