

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014011.D
 Acq On : 05 Jun 2023 16:43
 Operator : KP/MD
 Sample : 03018-05
 Misc : 3.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 348

Quant Time: Jun 06 03:57:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	156916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	275211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120010	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116205	55.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.880%
35) Dibromofluoromethane	7.716	113	93775	54.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.460%
50) Toluene-d8	10.179	98	340259	51.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.477	95	110226	49.022	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.040%

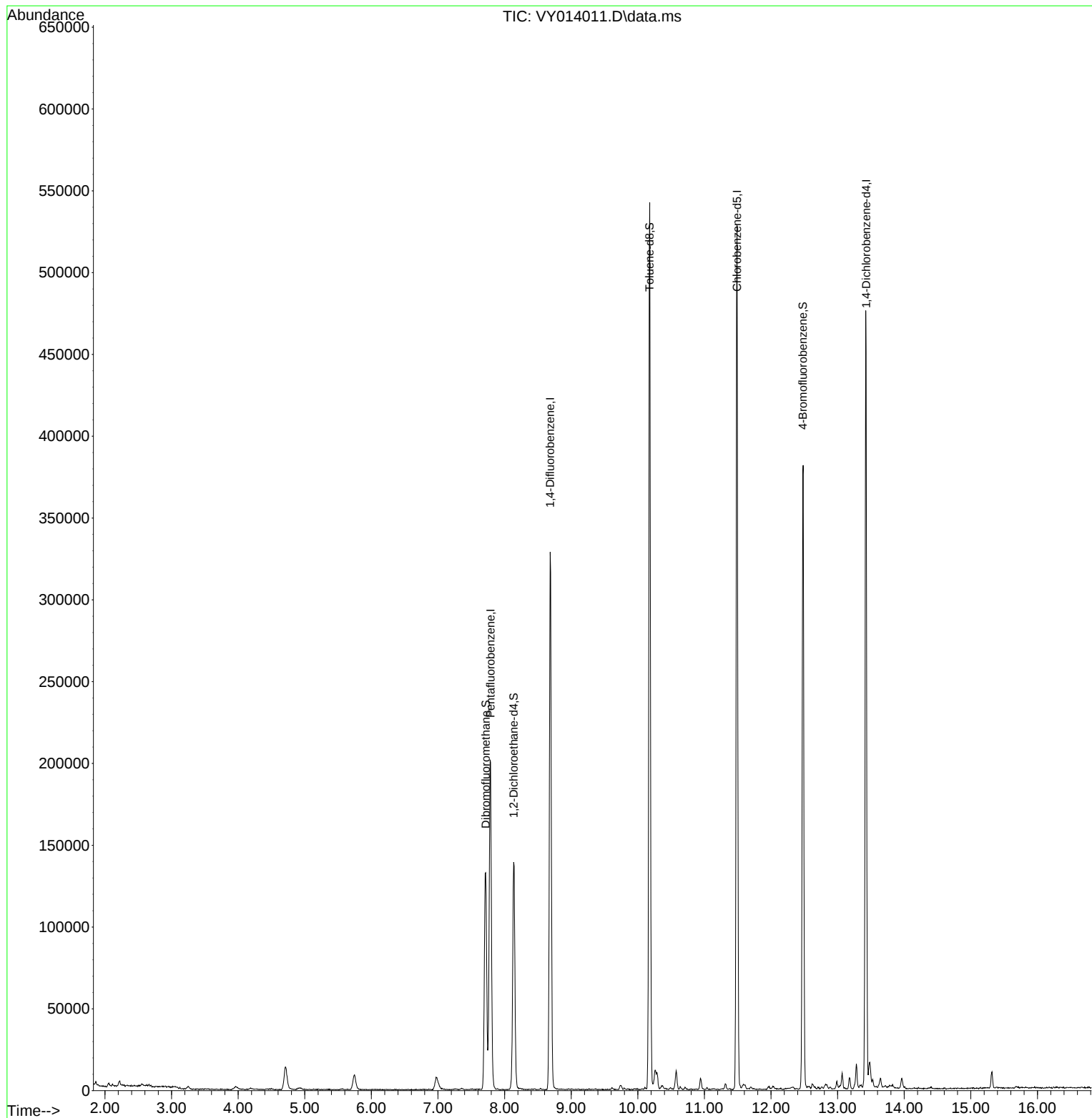
Target Compounds	Qvalue

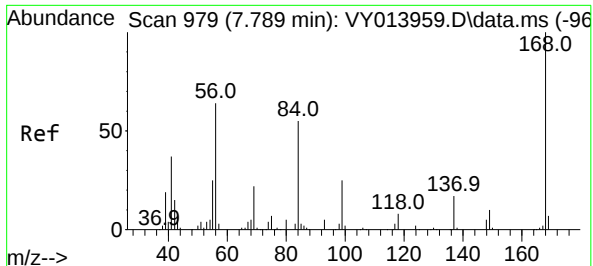
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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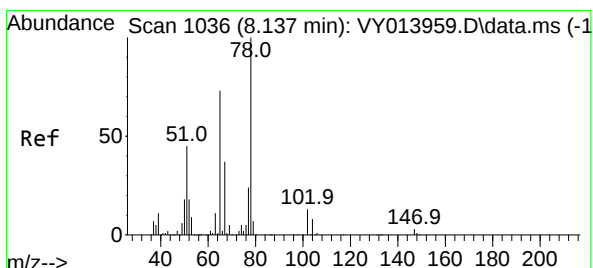
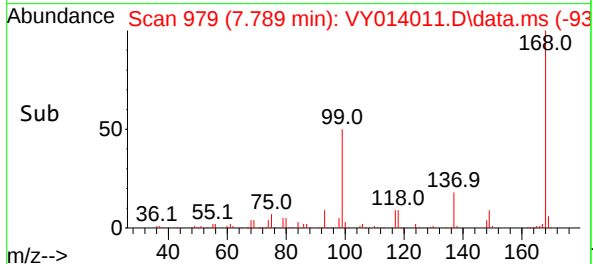
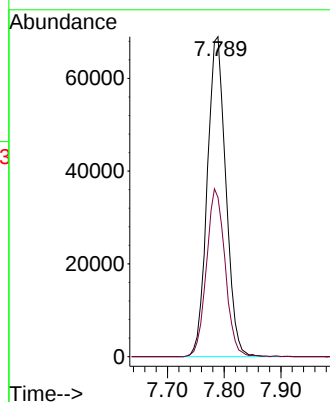
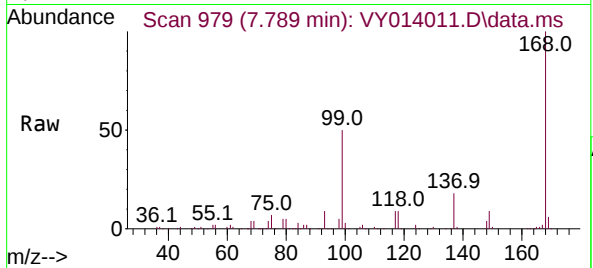




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014011.D
Acq: 05 Jun 2023 16:43

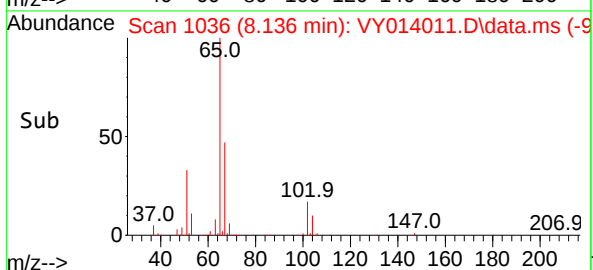
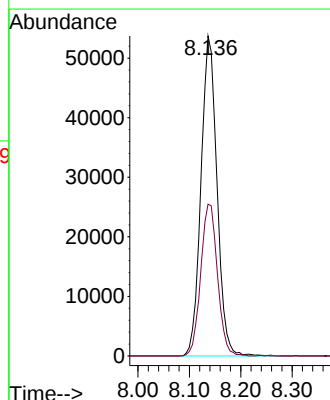
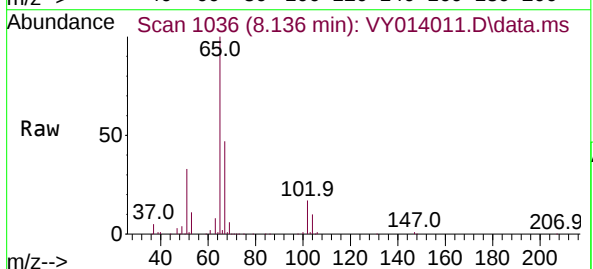
Instrument :
MSVOA_Y
ClientSampleId :
348

Tgt Ion:168 Resp: 156916
Ion Ratio Lower Upper
168 100
99 49.8 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 55.943 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY014011.D
Acq: 05 Jun 2023 16:43

Tgt Ion: 65 Resp: 116205
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014011.D

Acq: 05 Jun 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :

348

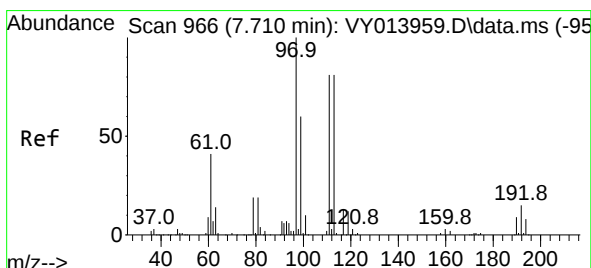
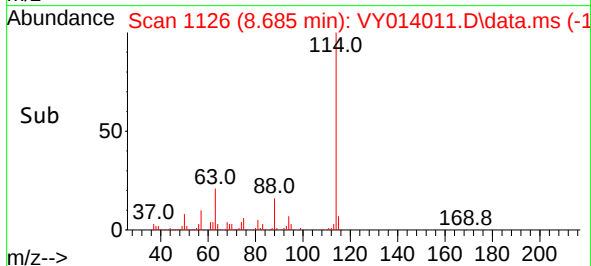
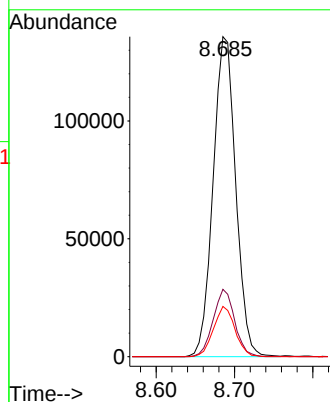
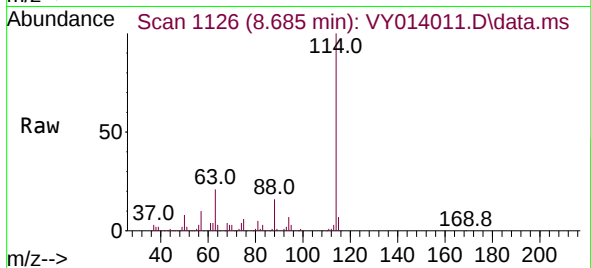
Tgt Ion:114 Resp: 272077

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.234 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY014011.D

Acq: 05 Jun 2023 16:43

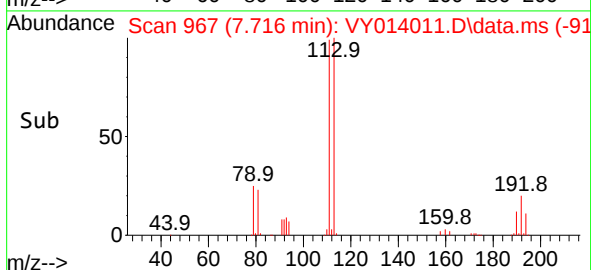
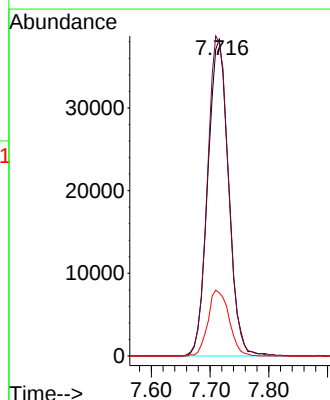
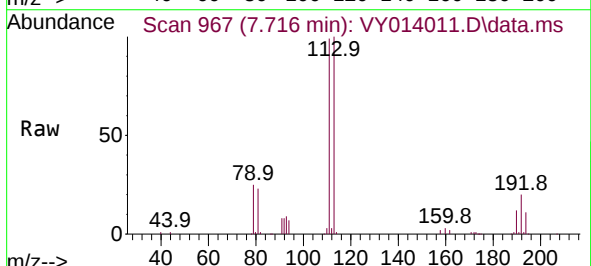
Tgt Ion:113 Resp: 93775

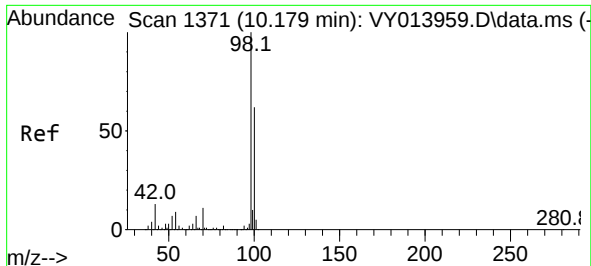
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 21.1 16.9 25.3

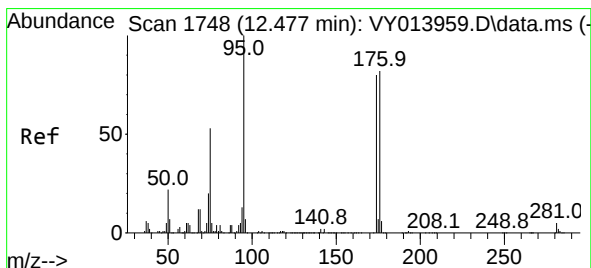
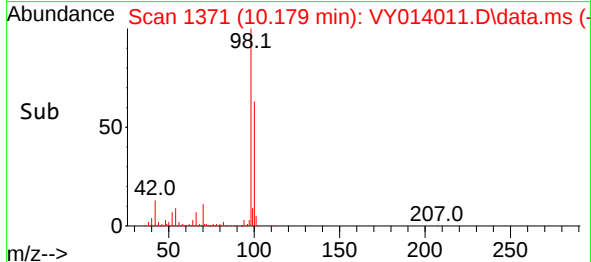
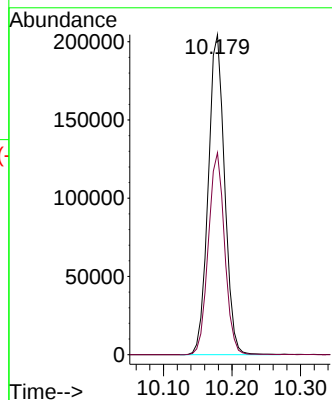
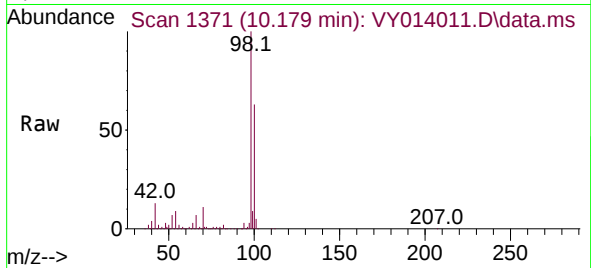




#50
Toluene-d8
Concen: 51.590 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014011.D
Acq: 05 Jun 2023 16:43

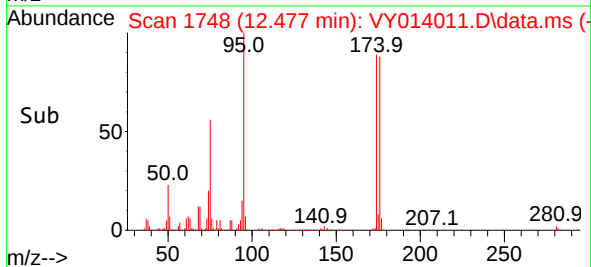
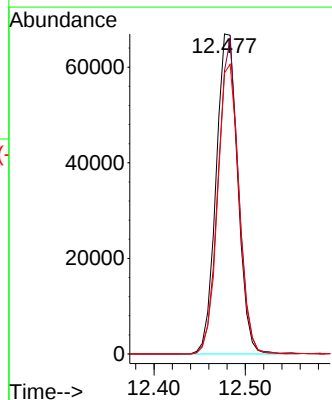
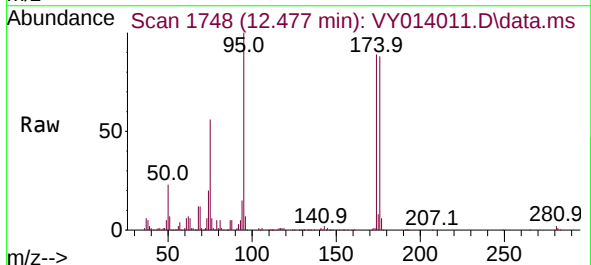
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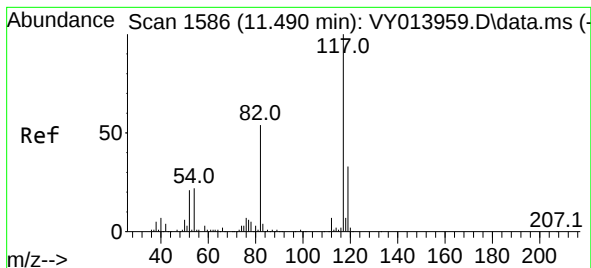
Tgt Ion: 98 Resp: 340259
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.022 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014011.D
Acq: 05 Jun 2023 16:43

Tgt Ion: 95 Resp: 110226
Ion Ratio Lower Upper
95 100
174 93.2 0.0 178.2
176 89.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014011.D

Acq: 05 Jun 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :

348

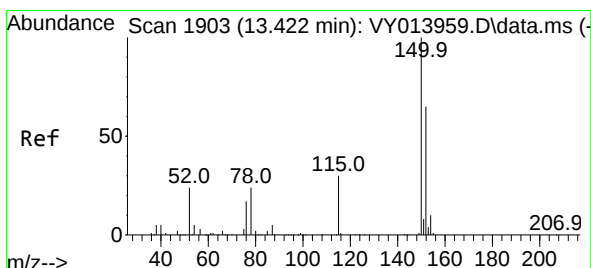
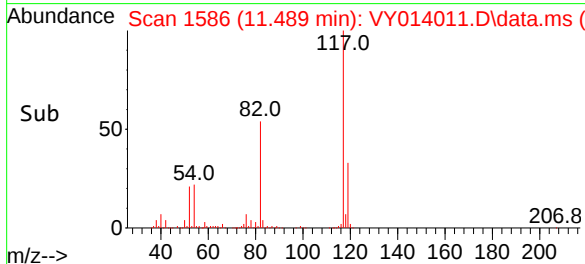
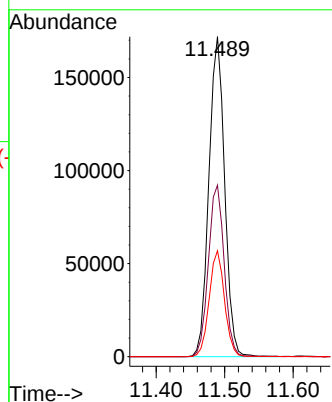
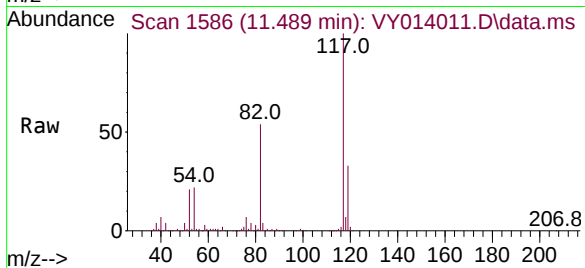
Tgt Ion:117 Resp: 275211

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 33.1 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: VY014011.D

Acq: 05 Jun 2023 16:43

Tgt Ion:152 Resp: 120010

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 156.1 0.0 348.8

