

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015474.D
 Acq On : 07 Sep 2023 18:08
 Operator : SY/MD
 Sample : 04338-04
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP3

Quant Time: Sep 07 23:11:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	357619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	592701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	537008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	259530	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	230292	60.072	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.140%
35) Dibromofluoromethane	7.704	113	186627	54.668	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.340%
50) Toluene-d8	10.173	98	688647	55.703	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.400%
62) 4-Bromofluorobenzene	12.477	95	244874	53.355	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.720%

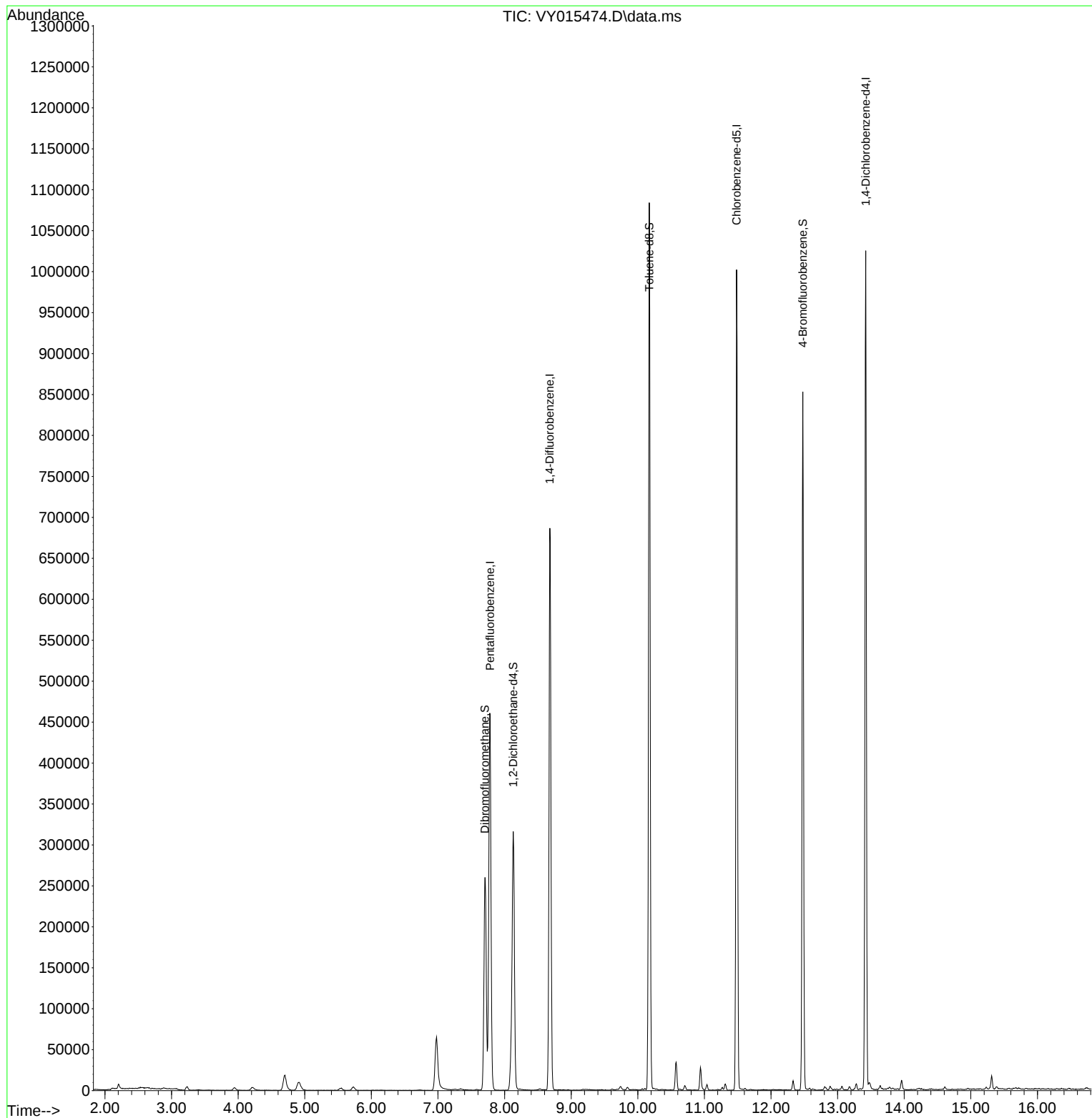
Target Compounds	Qvalue

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

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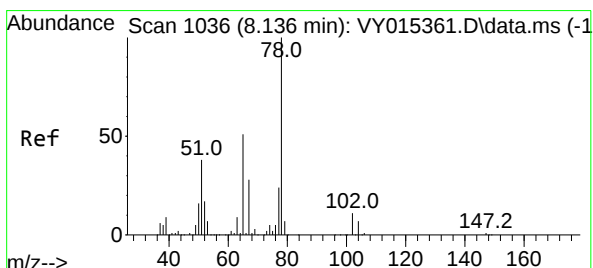
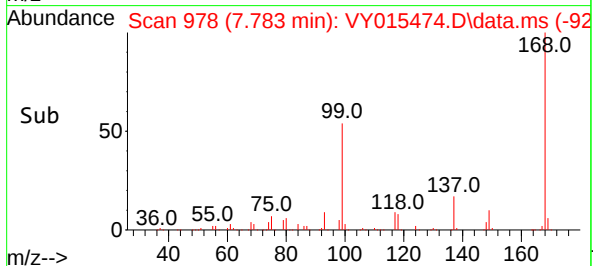
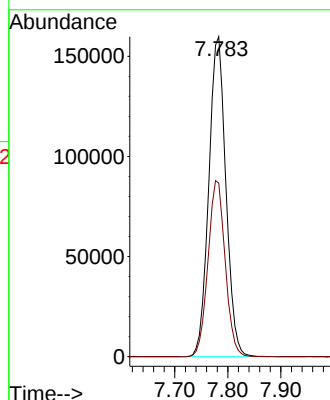
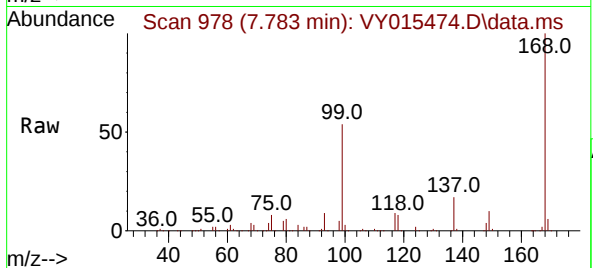




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015474.D
Acq: 07 Sep 2023 18:08

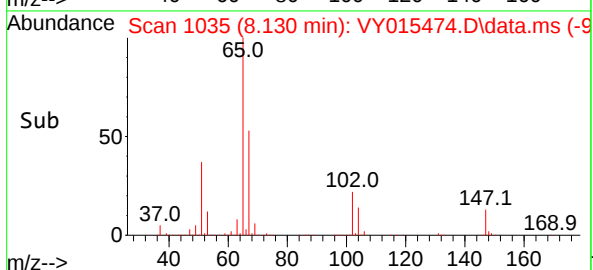
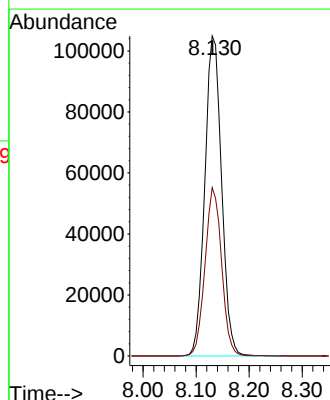
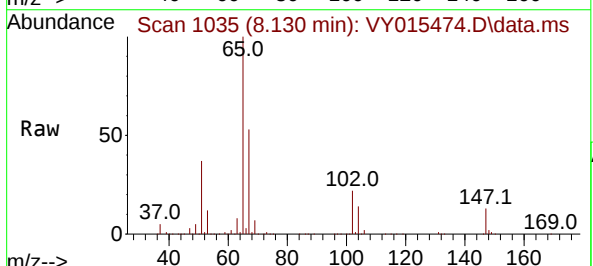
Instrument :
MSVOA_Y
ClientSampleId :
TP3

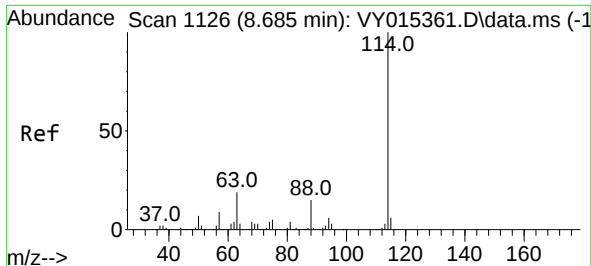
Tgt Ion:168 Resp: 357619
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.072 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY015474.D
Acq: 07 Sep 2023 18:08

Tgt Ion: 65 Resp: 230292
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY015474.D

Acq: 07 Sep 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

TP3

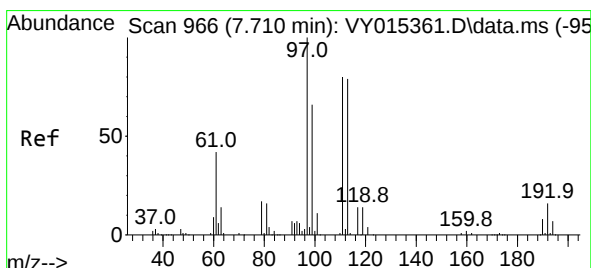
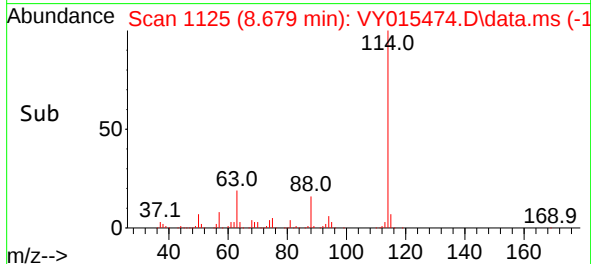
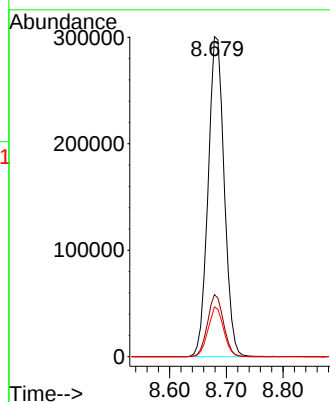
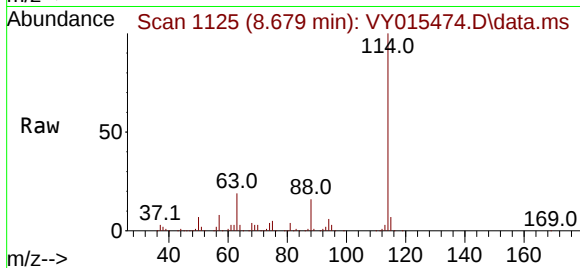
Tgt Ion:114 Resp: 592701

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.668 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.012 min

Lab File: VY015474.D

Acq: 07 Sep 2023 18:08

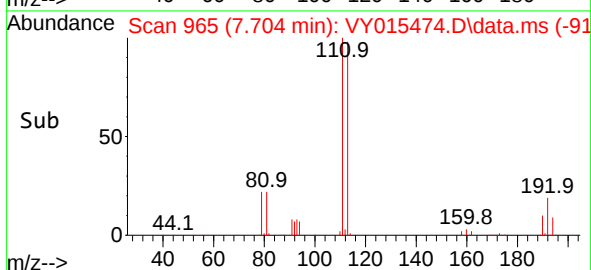
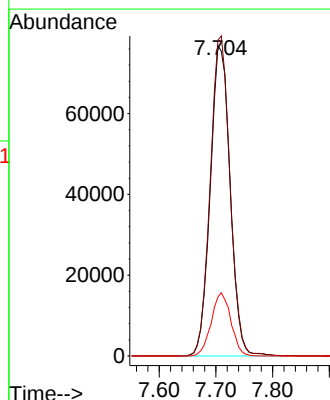
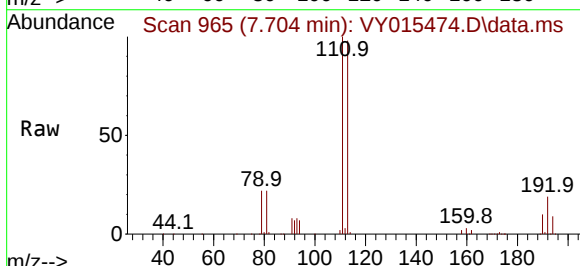
Tgt Ion:113 Resp: 186627

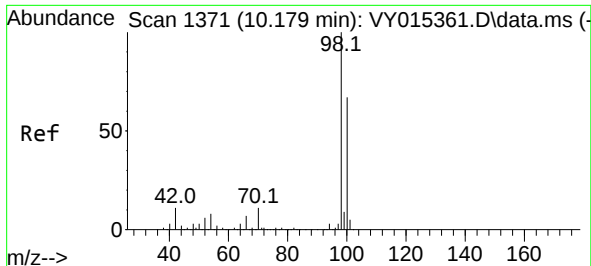
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 20.1 16.9 25.3

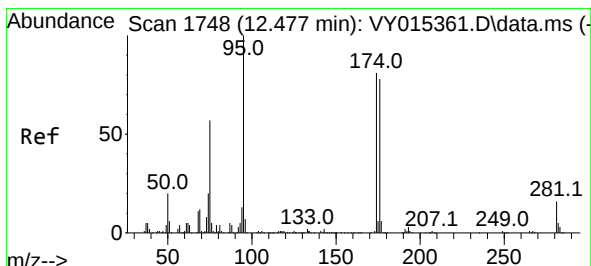
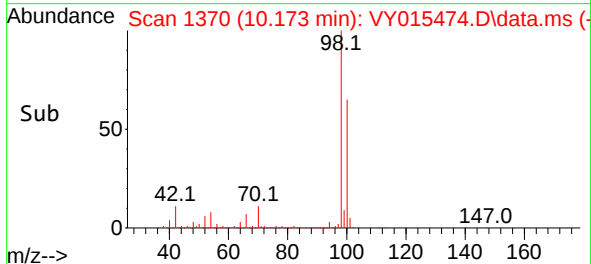
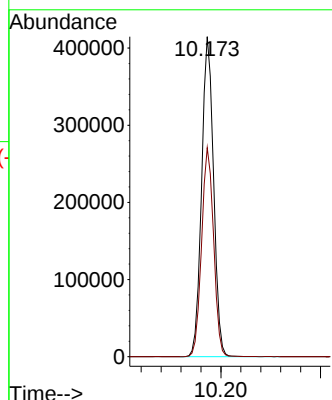
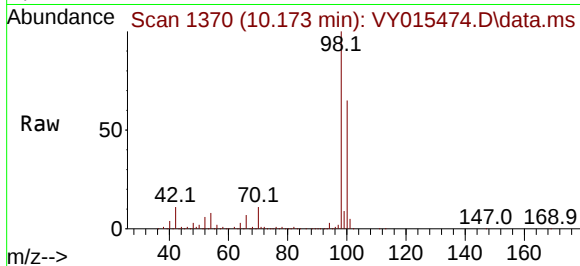




#50
Toluene-d8
Concen: 55.703 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY015474.D
Acq: 07 Sep 2023 18:08

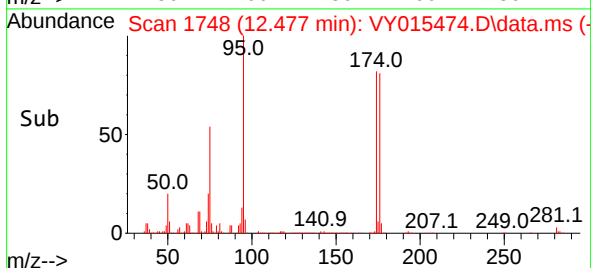
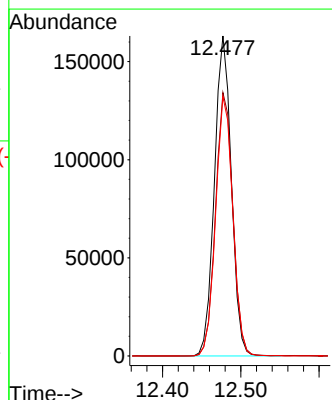
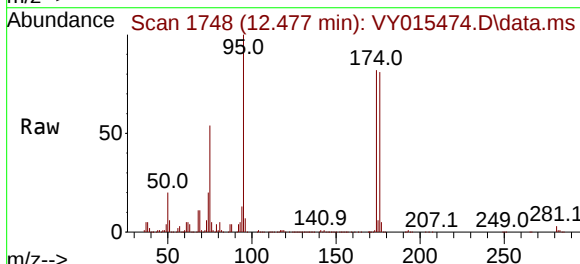
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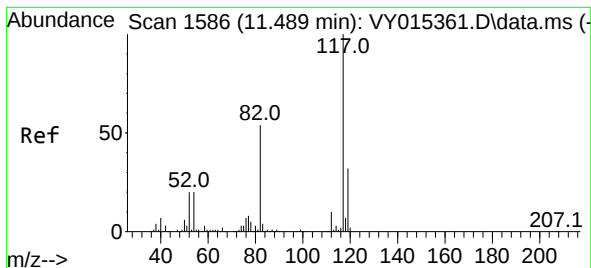
Tgt Ion: 98 Resp: 688647
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.355 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015474.D
Acq: 07 Sep 2023 18:08

Tgt Ion: 95 Resp: 244874
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 82.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015474.D

Acq: 07 Sep 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

TP3

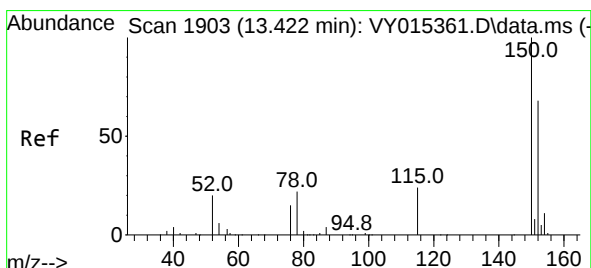
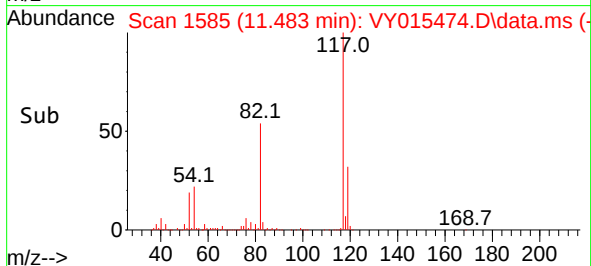
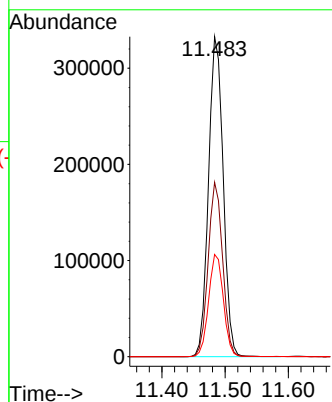
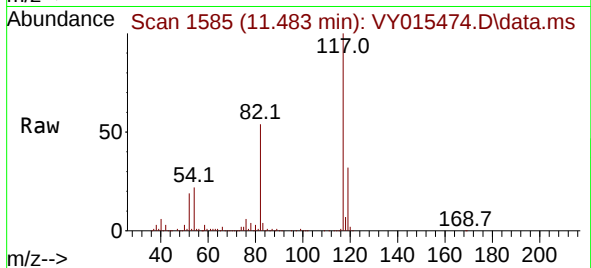
Tgt Ion:117 Resp: 537008

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015474.D

Acq: 07 Sep 2023 18:08

Tgt Ion:152 Resp: 259530

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.4 0.0 348.8

