

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022873.D
 Acq On : 30 Jun 2025 11:39
 Operator : SY/MD
 Sample : VY0630SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0630SBL01

Quant Time: Jul 01 03:34:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	371114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	672085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	274914	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	182916	44.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.320%
35) Dibromofluoromethane	7.634	113	204913	50.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.260%
50) Toluene-d8	10.103	98	799901	49.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.640%
62) 4-Bromofluorobenzene	12.401	95	282612	54.204	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.400%

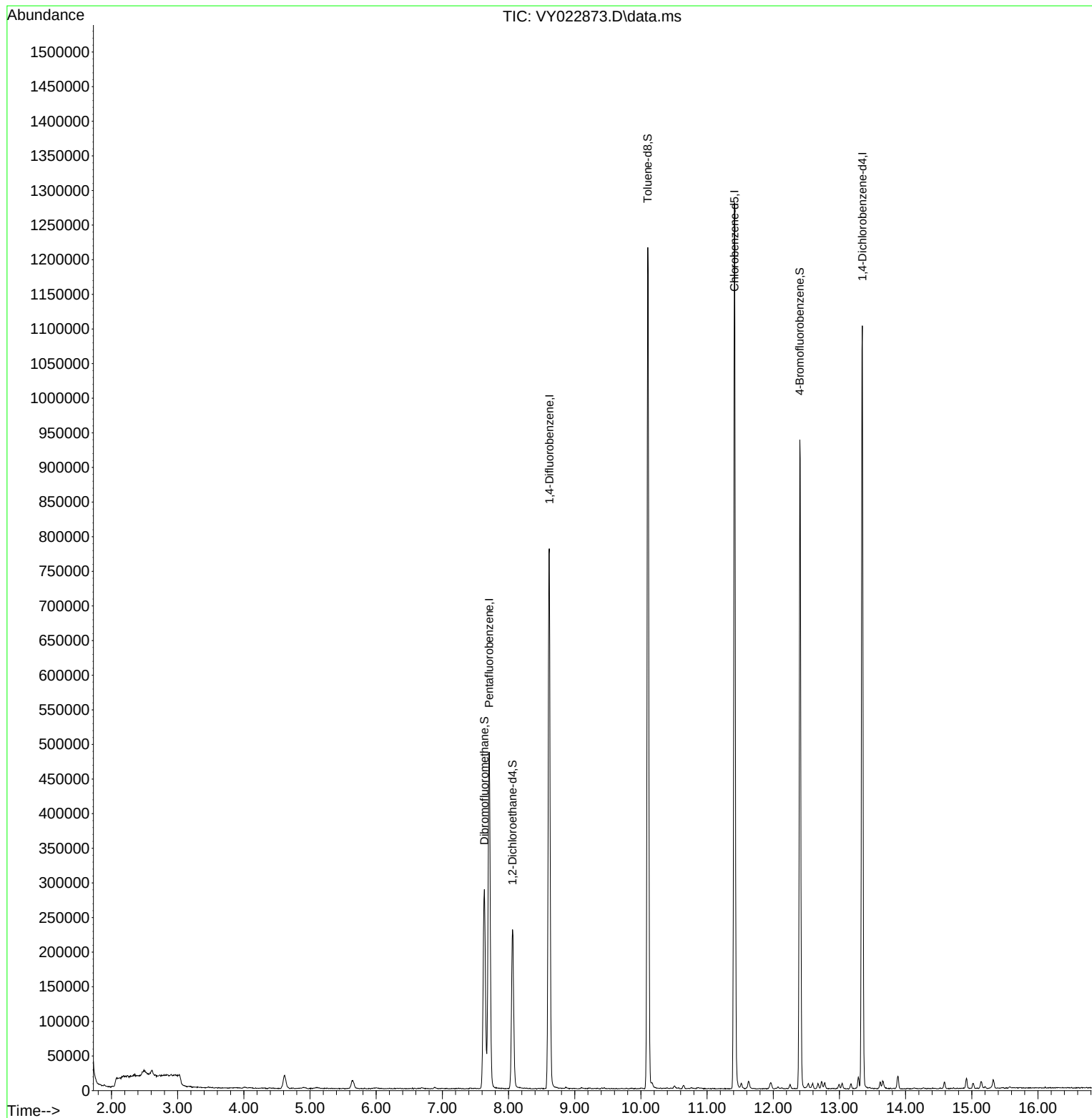
Target Compounds	Qvalue

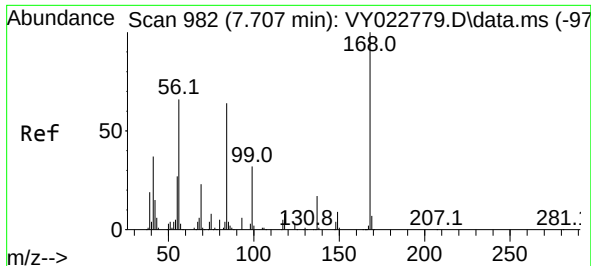
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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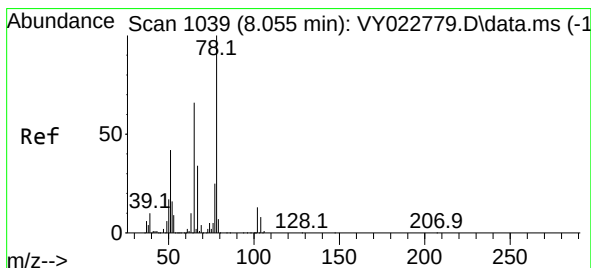
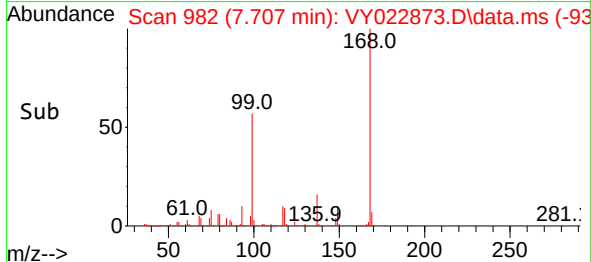
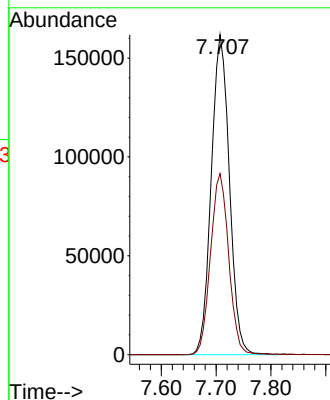
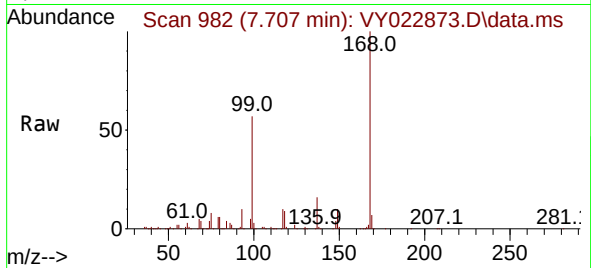




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022873.D
Acq: 30 Jun 2025 11:39

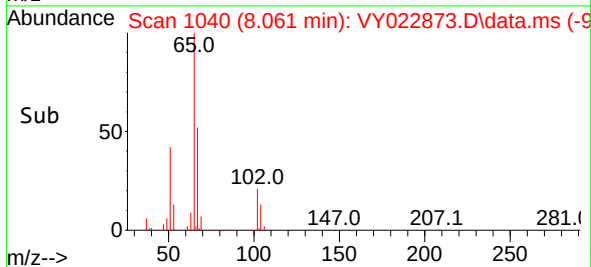
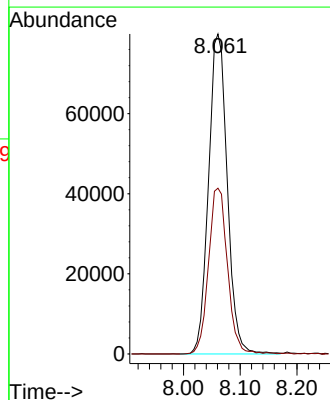
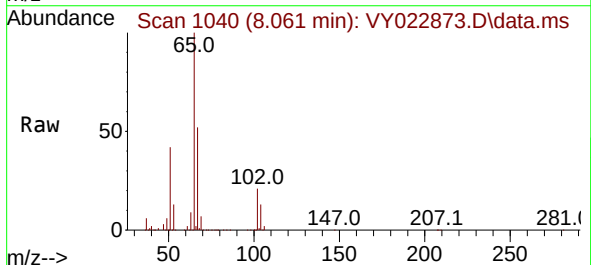
Instrument :
MSVOA_Y
ClientSampleId :
VY0630SBL01

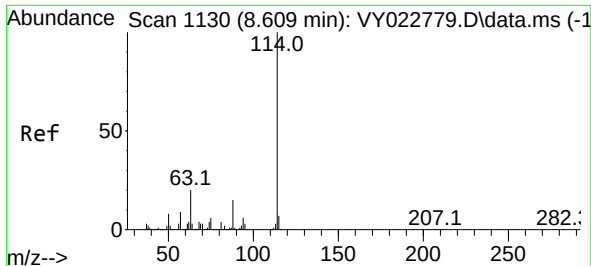
Tgt Ion:168 Resp: 371114
Ion Ratio Lower Upper
168 100
99 56.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 44.161 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022873.D
Acq: 30 Jun 2025 11:39

Tgt Ion: 65 Resp: 182916
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022873.D

Acq: 30 Jun 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0630SBL01

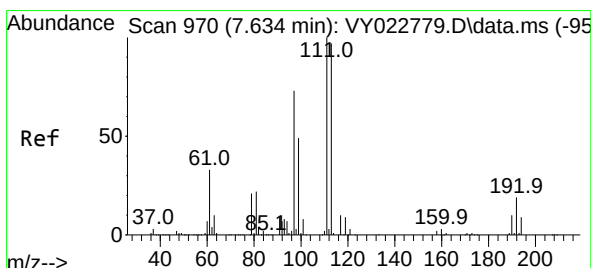
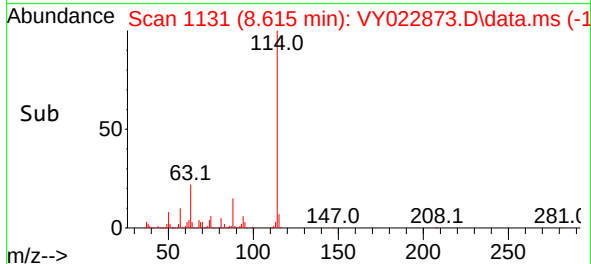
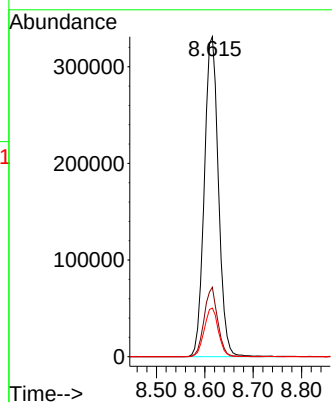
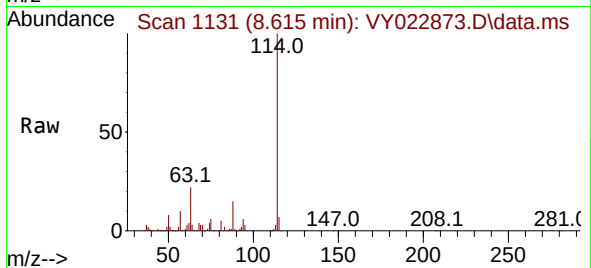
Tgt Ion:114 Resp: 672085

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.134 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022873.D

Acq: 30 Jun 2025 11:39

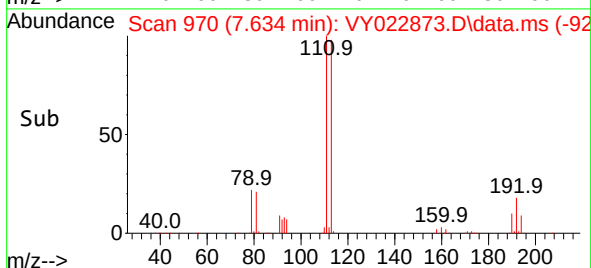
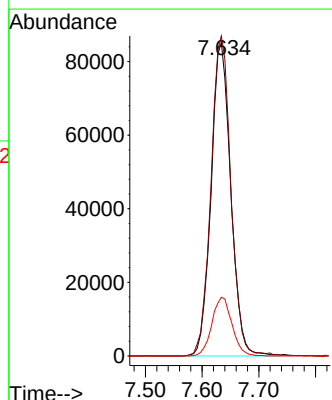
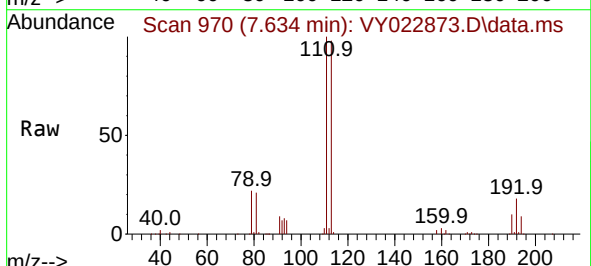
Tgt Ion:113 Resp: 204913

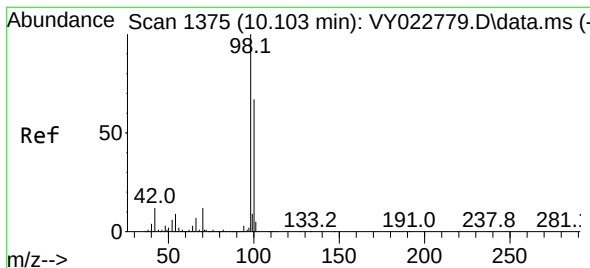
Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

192 19.1 14.2 21.2

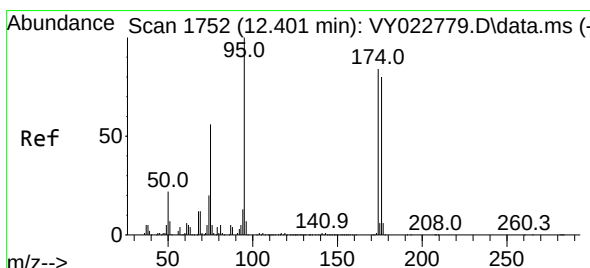
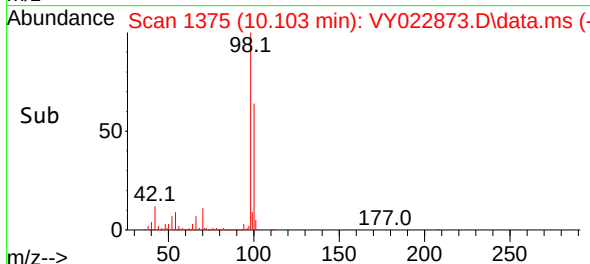
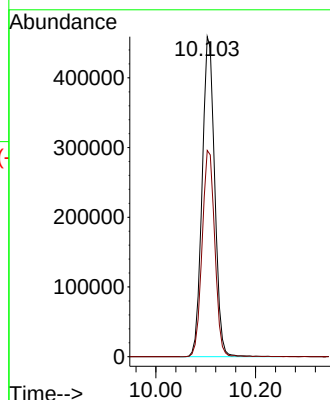
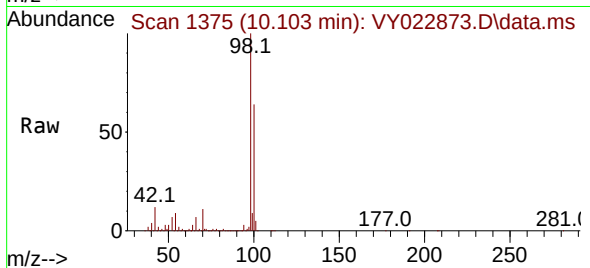




#50
Toluene-d8
Concen: 49.319 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022873.D
Acq: 30 Jun 2025 11:39

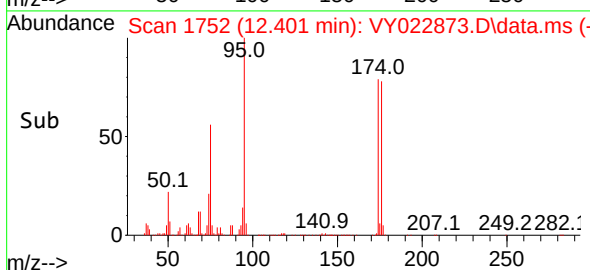
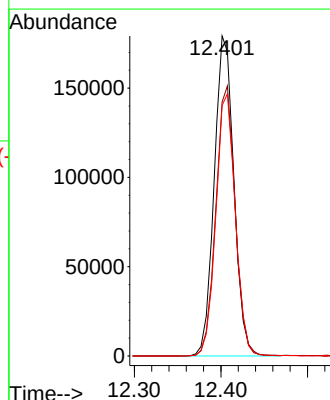
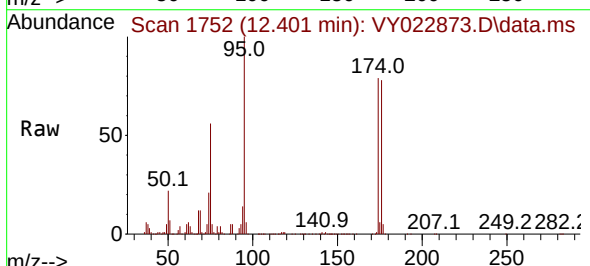
Instrument :
MSVOA_Y
ClientSampleId :
VY0630SBL01

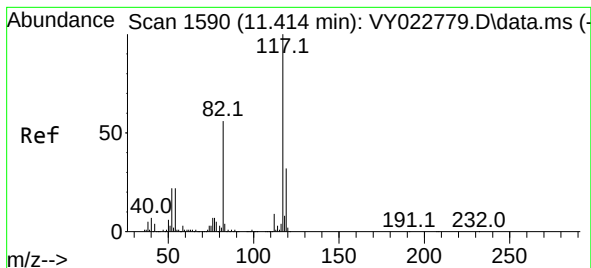
Tgt Ion: 98 Resp: 799901
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 54.204 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022873.D
Acq: 30 Jun 2025 11:39

Tgt Ion: 95 Resp: 282612
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.0
176 80.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022873.D

Acq: 30 Jun 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0630SBL01

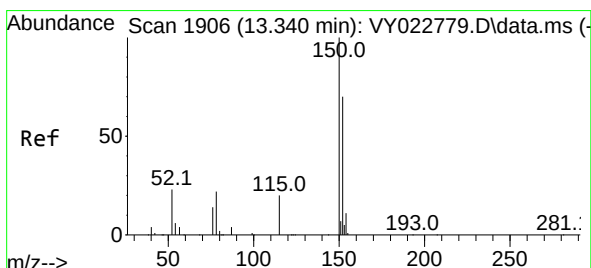
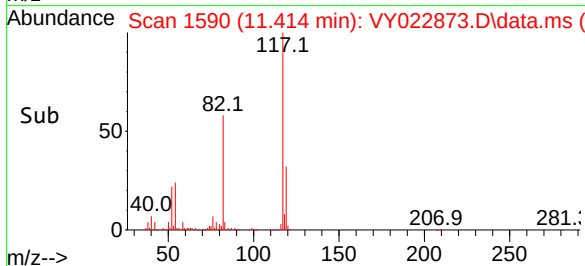
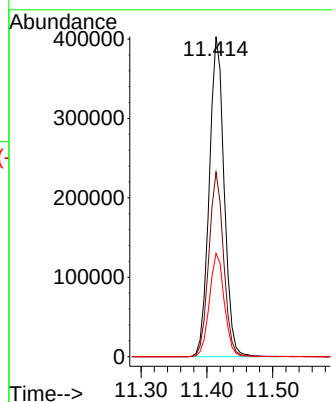
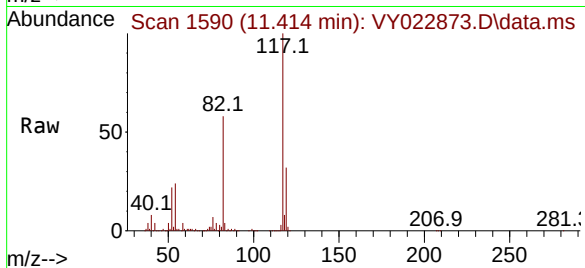
Tgt Ion:117 Resp: 635637

Ion Ratio Lower Upper

117 100

82 57.7 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022873.D

Acq: 30 Jun 2025 11:39

Tgt Ion:152 Resp: 274914

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 155.5 0.0 349.6

