

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023973.D
 Acq On : 15 Dec 2025 13:50
 Operator : SY/MD
 Sample : Q3859-01RE
 Misc : 6.63g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-121225RE

Quant Time: Dec 16 02:15:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	45310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	58846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	43863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	9016	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	18526	46.245	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.480%
35) Dibromofluoromethane	7.646	113	20051	52.125	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.260%
50) Toluene-d8	10.115	98	63021	44.004	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.000%
62) 4-Bromofluorobenzene	12.414	95	12294	25.705	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	51.400%

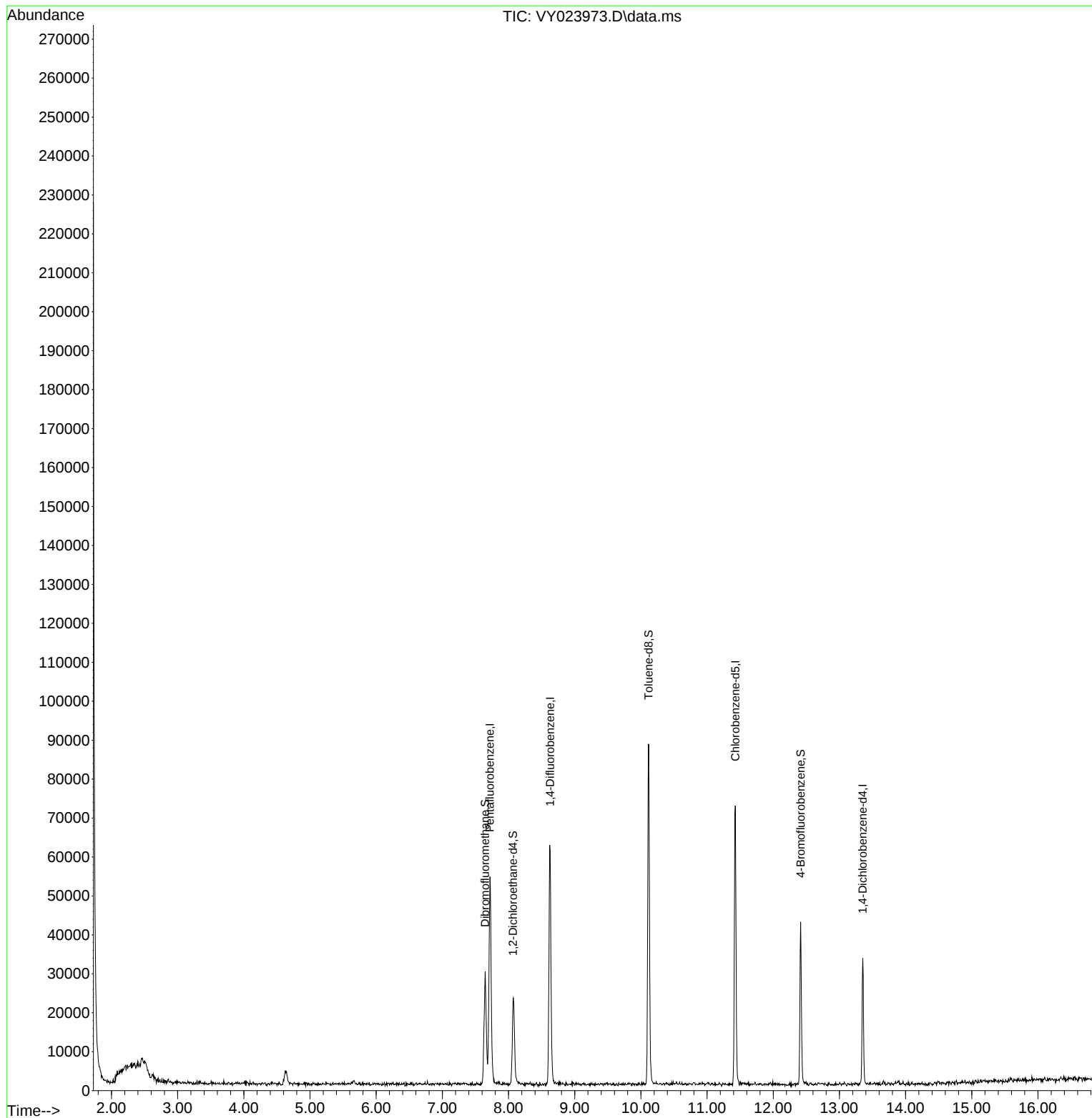
Target Compounds	Qvalue

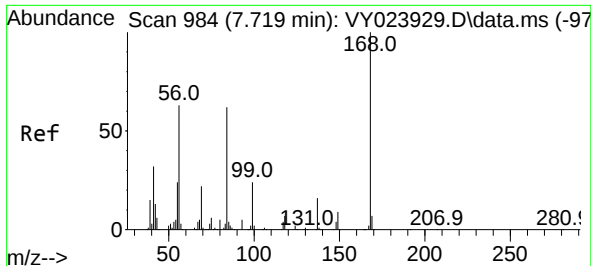
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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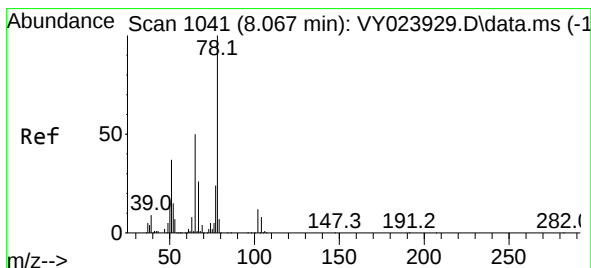
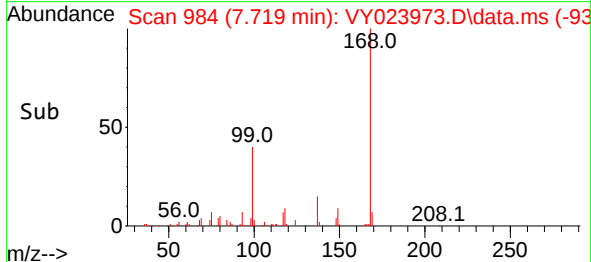
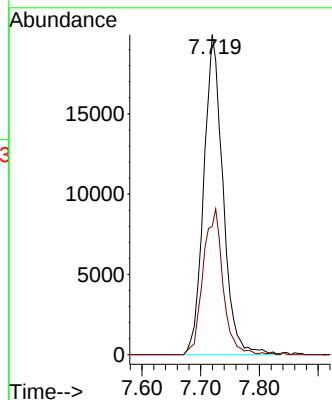
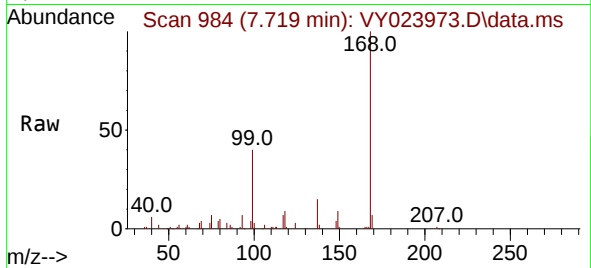




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

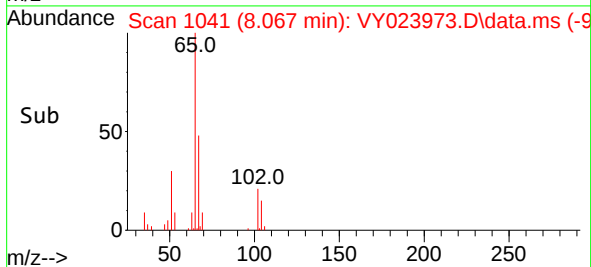
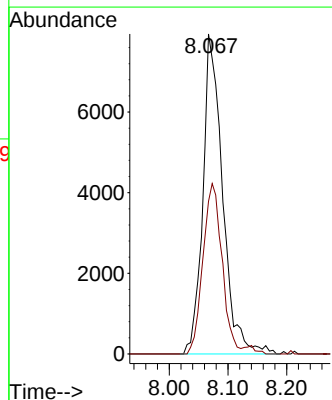
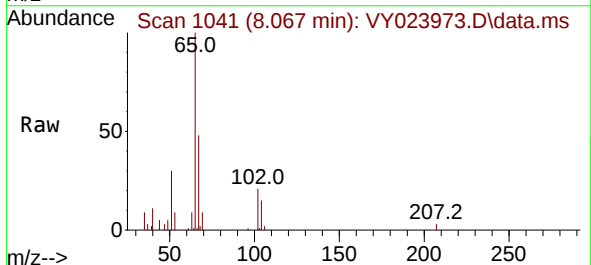
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225RE

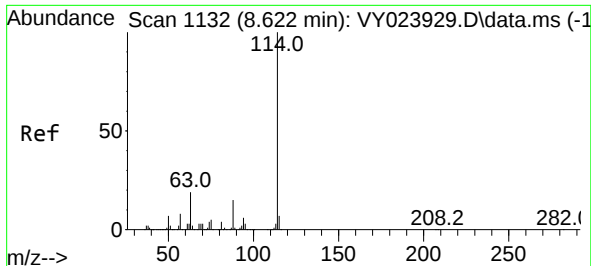
Tgt Ion:168 Resp: 45310
Ion Ratio Lower Upper
168 100
99 40.1 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 46.245 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion: 65 Resp: 18526
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-121225RE

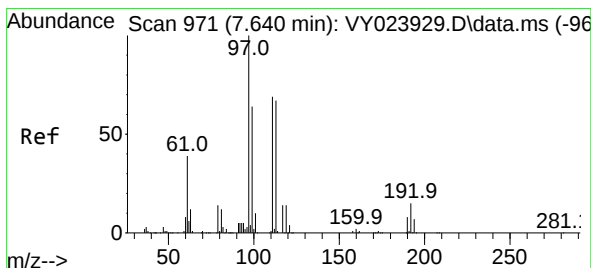
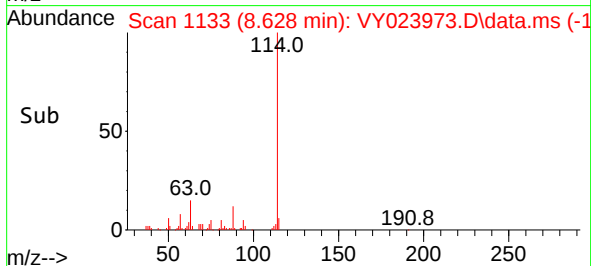
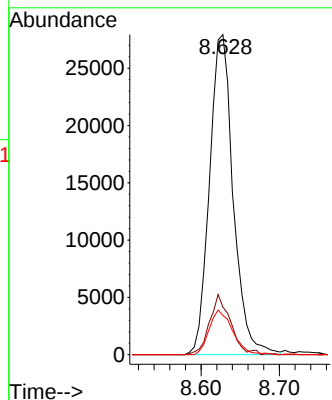
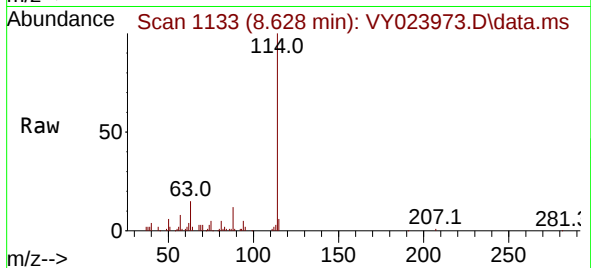
Tgt Ion:114 Resp: 58846

Ion Ratio Lower Upper

114 100

63 14.8 0.0 37.2

88 12.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 52.125 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

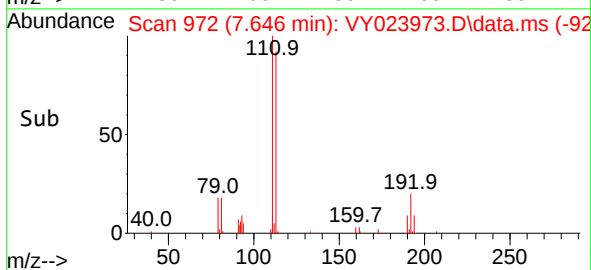
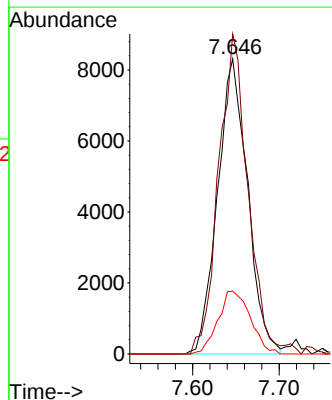
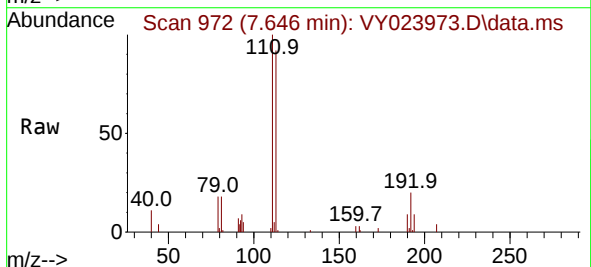
Tgt Ion:113 Resp: 20051

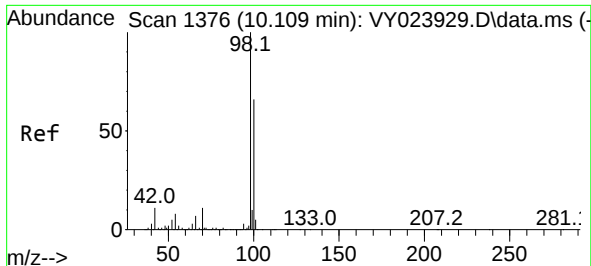
Ion Ratio Lower Upper

113 100

111 105.6 82.4 123.6

192 23.0 17.9 26.9

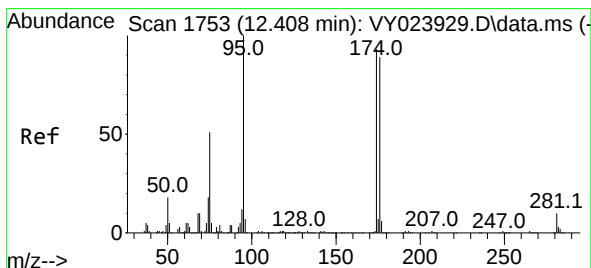
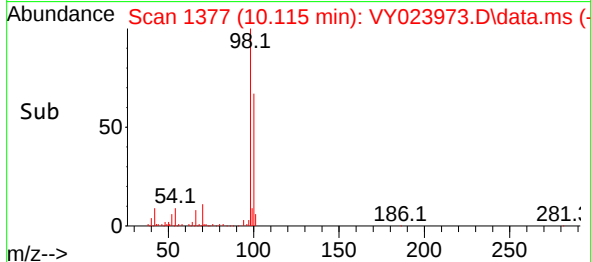
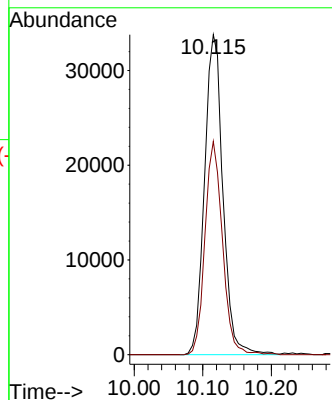
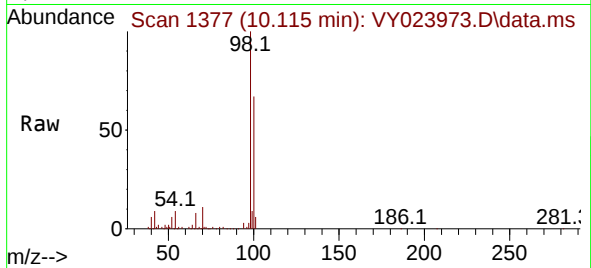




#50
Toluene-d8
Concen: 44.004 ug/l
RT: 10.115 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

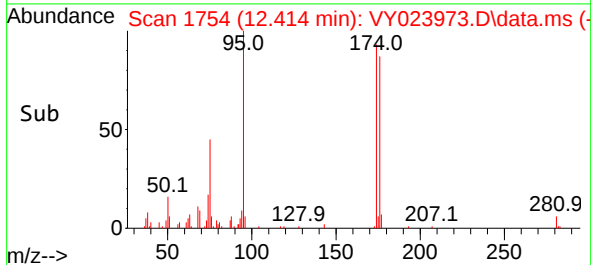
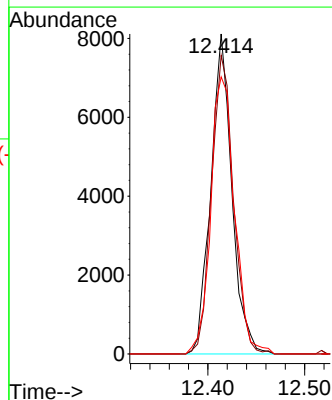
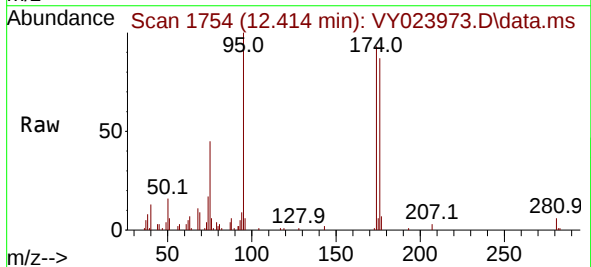
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225RE

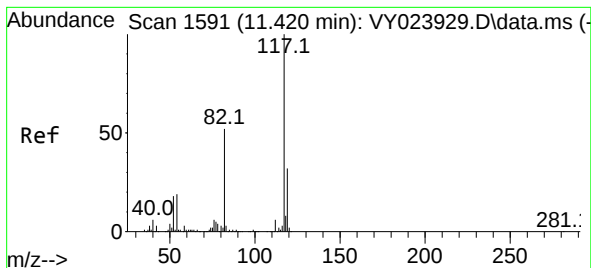
Tgt Ion: 98 Resp: 63021
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 25.705 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023973.D
Acq: 15 Dec 2025 13:50

Tgt Ion: 95 Resp: 12294
Ion Ratio Lower Upper
95 100
174 97.6 0.0 187.4
176 97.8 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-121225RE

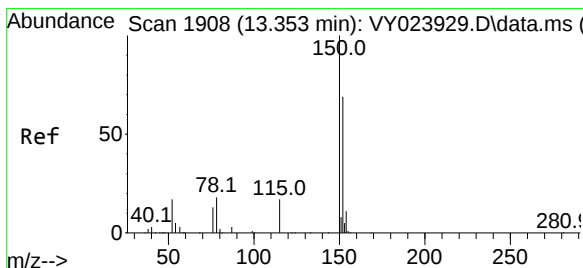
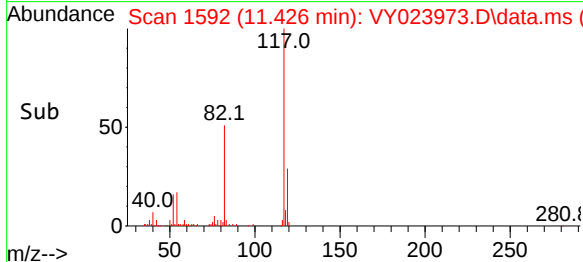
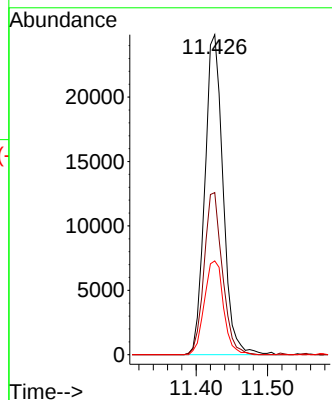
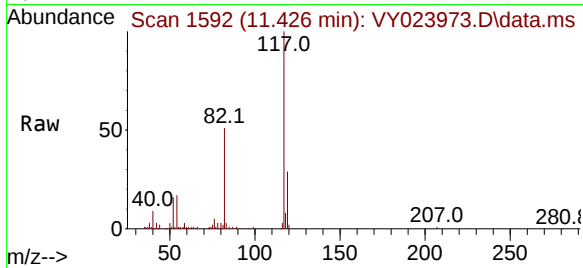
Tgt Ion:117 Resp: 43863

Ion Ratio Lower Upper

117 100

82 50.7 41.4 62.2

119 29.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY023973.D

Acq: 15 Dec 2025 13:50

Tgt Ion:152 Resp: 9016

Ion Ratio Lower Upper

152 100

115 53.5 27.3 81.9

150 153.4 0.0 347.6

