

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023855.D
 Acq On : 02 Dec 2025 12:55
 Operator : SY/MD
 Sample : Q3741-04RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP9-112425RE

Quant Time: Dec 03 01:02:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	25955	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	35095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	25851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	4746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13289	52.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.160%	
35) Dibromofluoromethane	7.646	113	8793	42.295	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.580%	
50) Toluene-d8	10.109	98	40585	49.148	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.408	95	6724	24.747	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 49.500%	

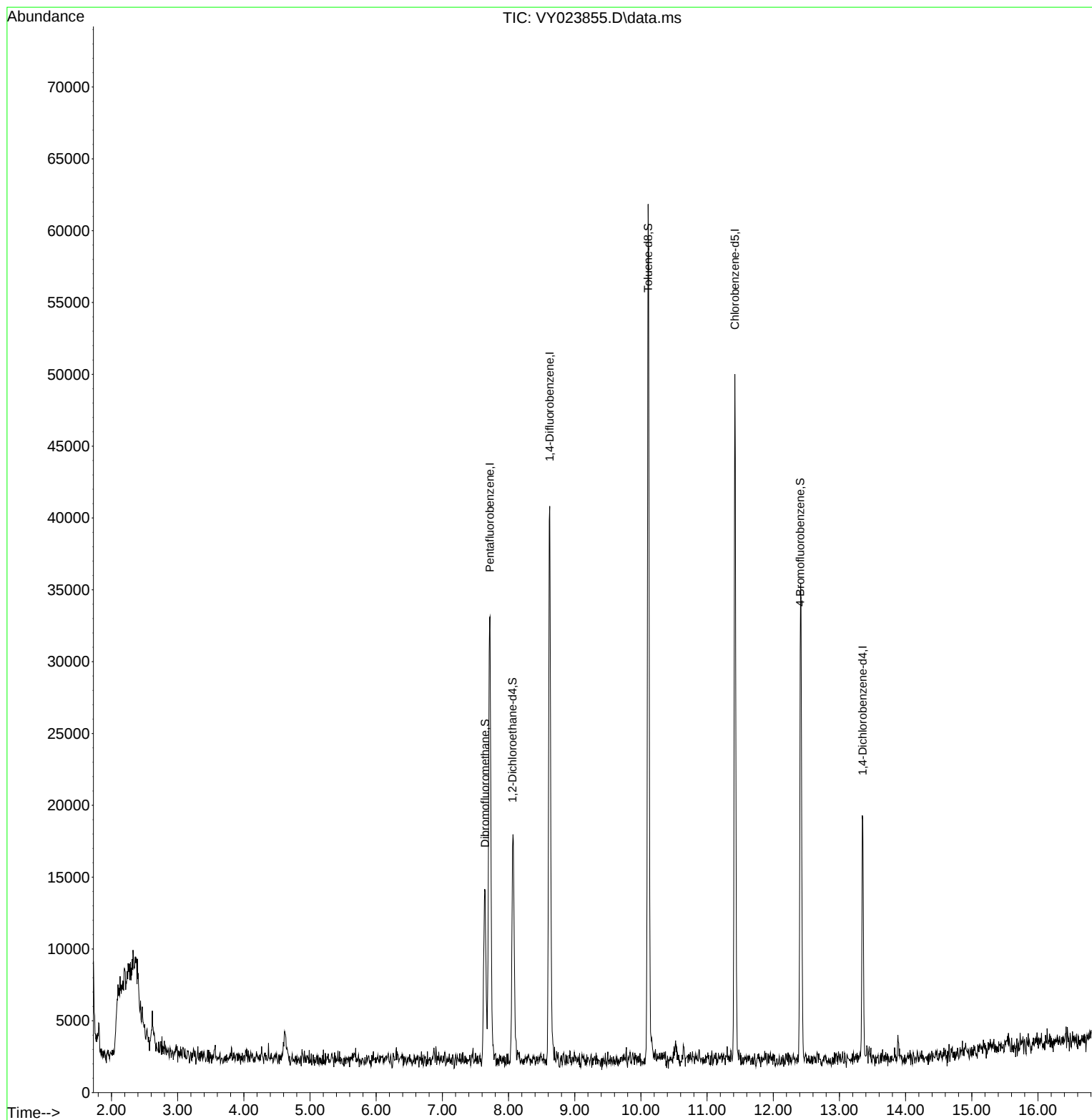
Target Compounds	Qvalue

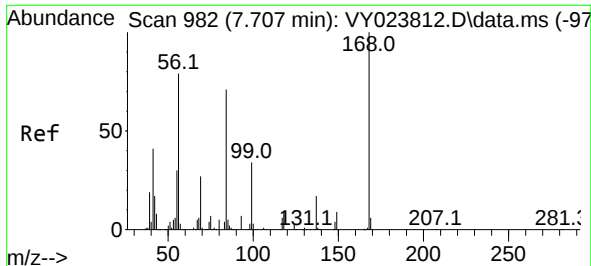
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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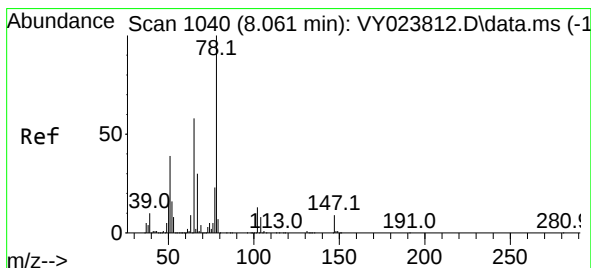
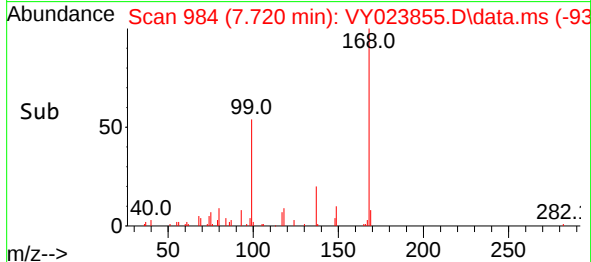
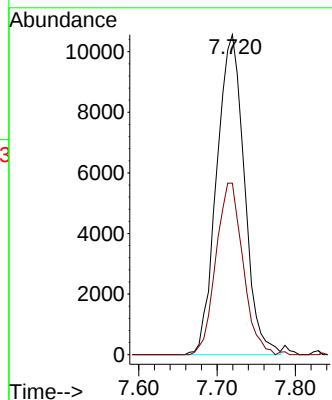
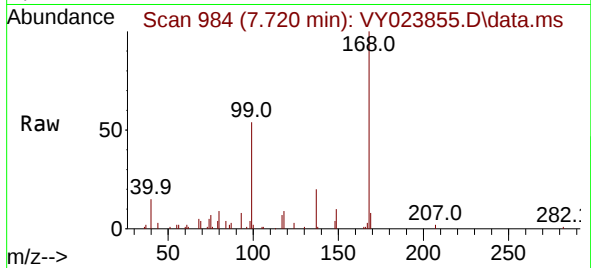




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

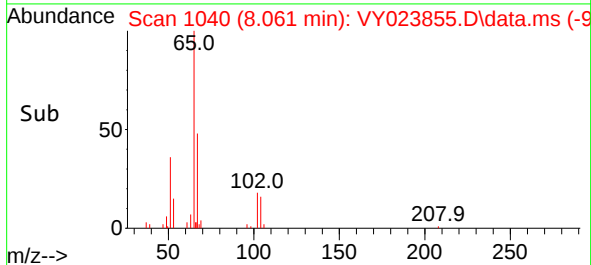
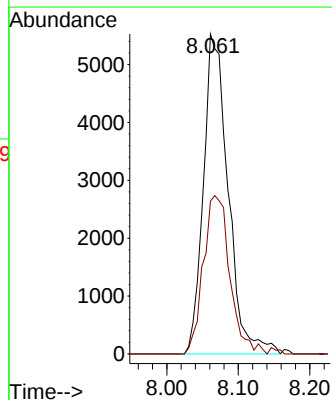
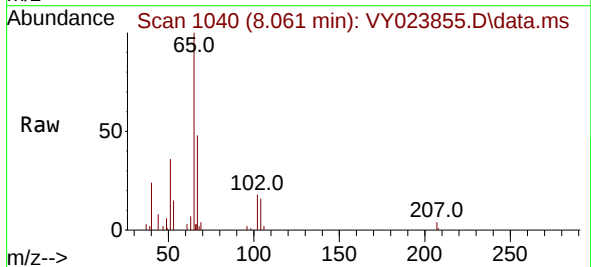
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425RE

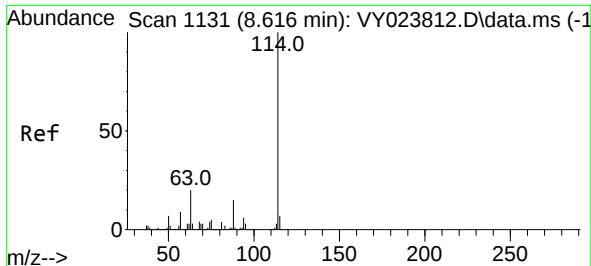
Tgt Ion:168 Resp: 25955
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 52.575 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Tgt Ion: 65 Resp: 13289
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023855.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_Y

ClientSampleId :

B50-SP9-112425RE

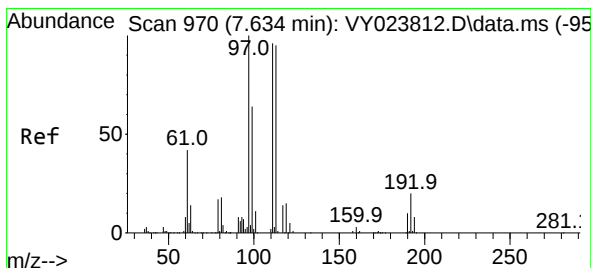
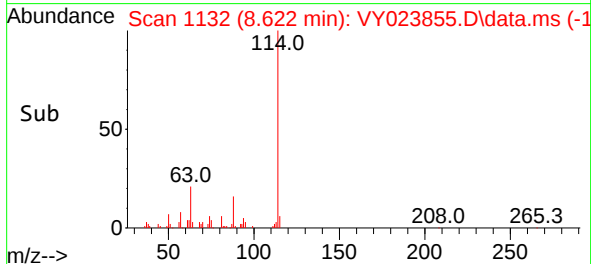
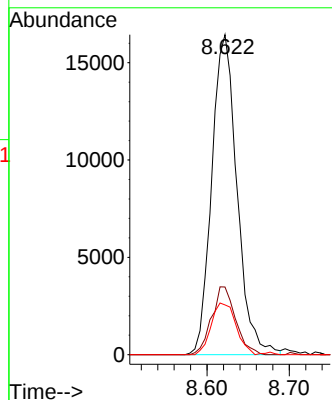
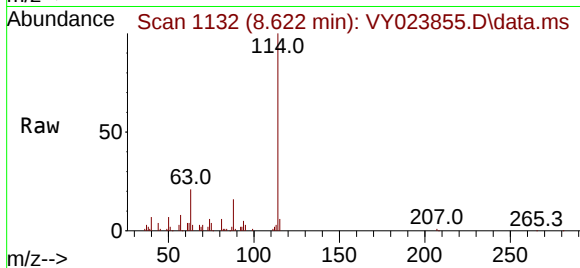
Tgt Ion:114 Resp: 35095

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.4

88 15.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 42.295 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY023855.D

Acq: 02 Dec 2025 12:55

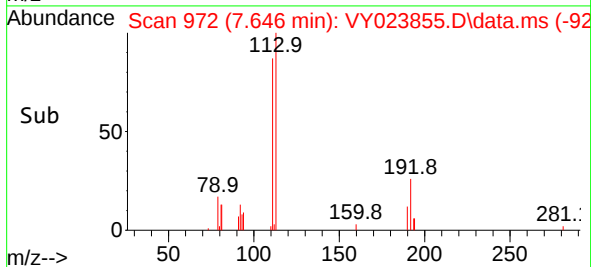
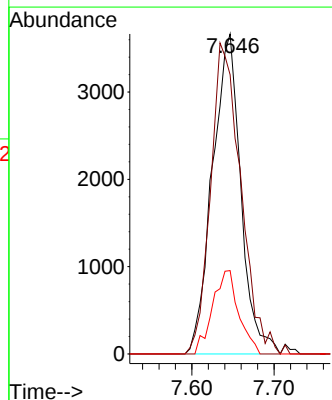
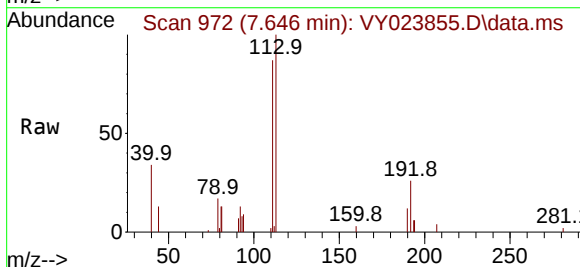
Tgt Ion:113 Resp: 8793

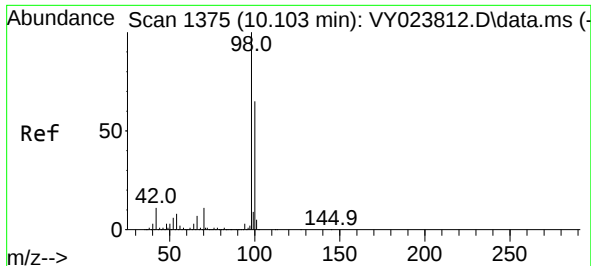
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 23.9 15.8 23.8#

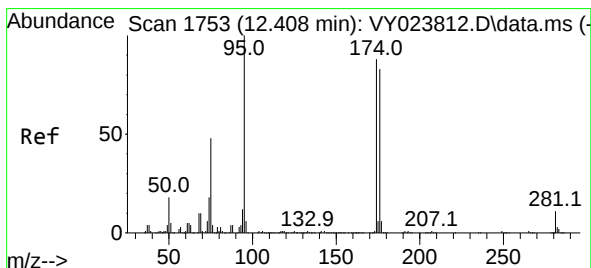
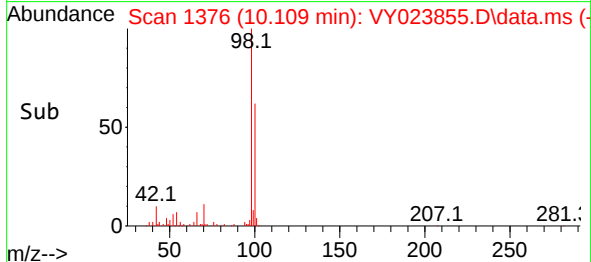
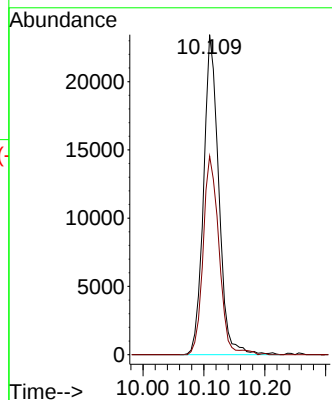
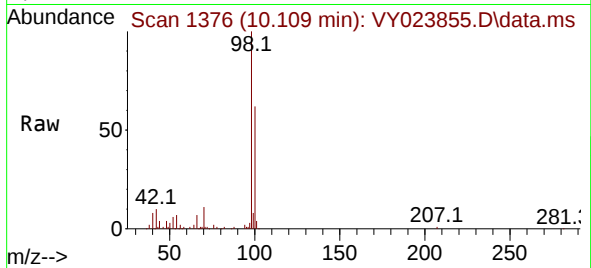




#50
Toluene-d8
Concen: 49.148 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

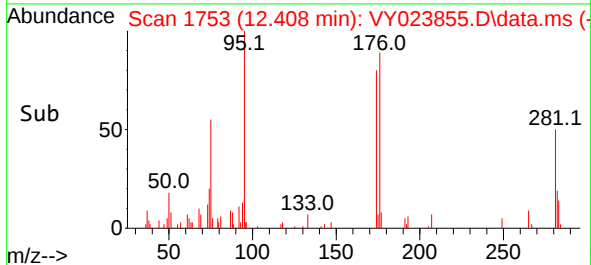
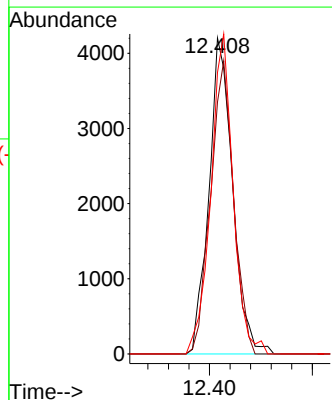
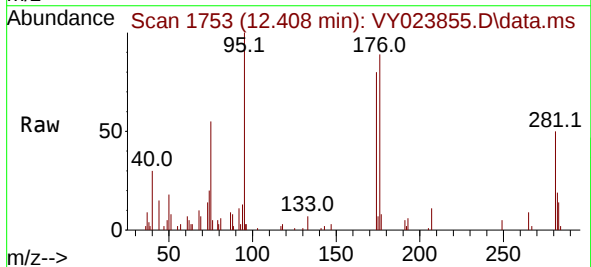
Instrument :
MSVOA_Y
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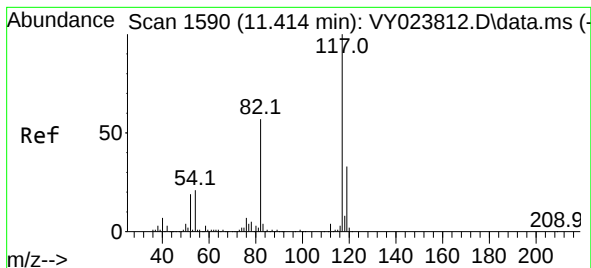
Tgt Ion: 98 Resp: 40585
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 24.747 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023855.D
Acq: 02 Dec 2025 12:55

Tgt Ion: 95 Resp: 6724
Ion Ratio Lower Upper
95 100
174 90.5 0.0 168.6
176 95.2 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023855.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_Y

ClientSampleId :

B50-SP9-112425RE

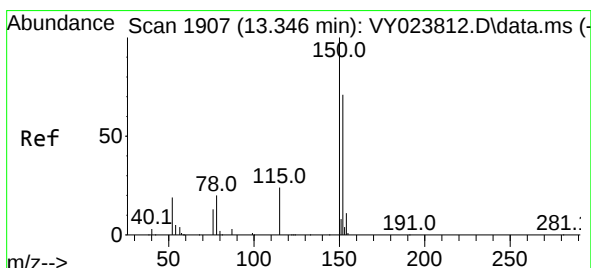
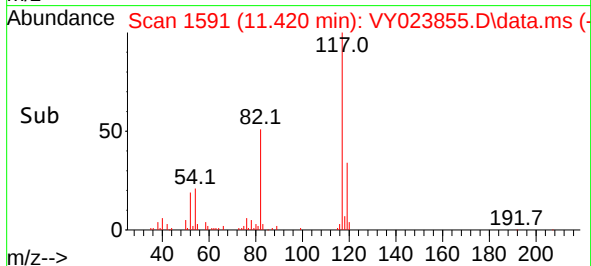
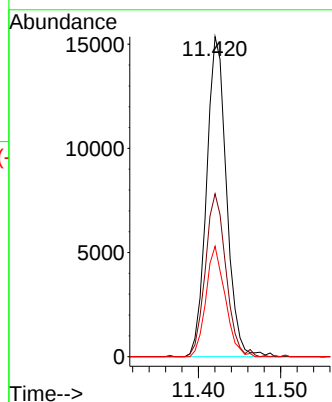
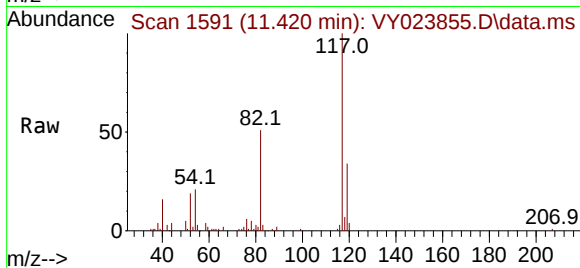
Tgt Ion:117 Resp: 25851

Ion Ratio Lower Upper

117 100

82 50.9 45.4 68.0

119 34.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023855.D

Acq: 02 Dec 2025 12:55

Tgt Ion:152 Resp: 4746

Ion Ratio Lower Upper

152 100

115 58.2 28.7 86.3

150 150.8 0.0 345.6

