

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023858.D
 Acq On : 02 Dec 2025 14:05
 Operator : SY/MD
 Sample : Q3746-01
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ROW

Quant Time: Dec 03 01:03:58 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	7.713	168	587264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1030303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	747016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	214228	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	327482	57.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.520%
35) Dibromofluoromethane	7.640	113	327461	53.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.300%
50) Toluene-d8	10.109	98	1197326	49.389	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.780%
62) 4-Bromofluorobenzene	12.408	95	252936	31.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.420%

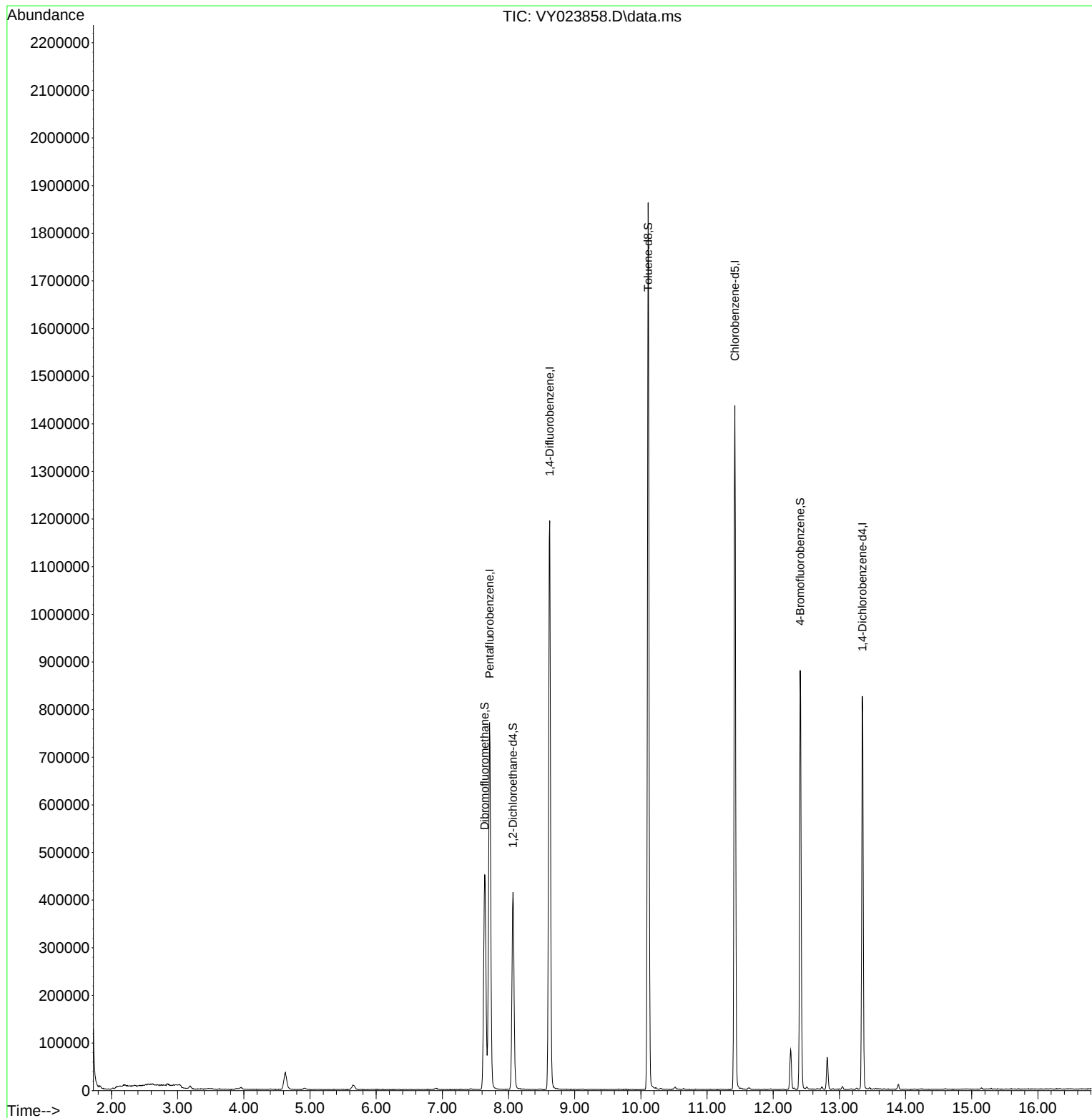
Target Compounds	Qvalue

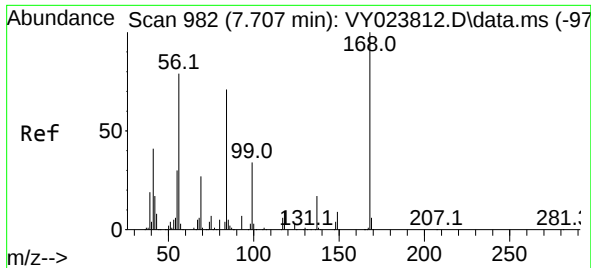
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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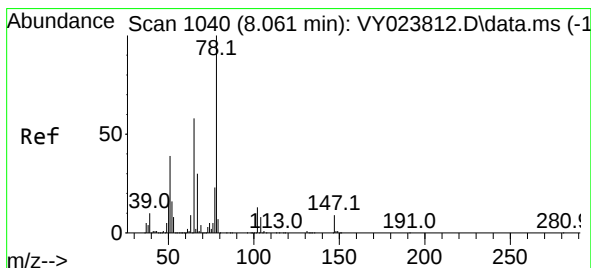
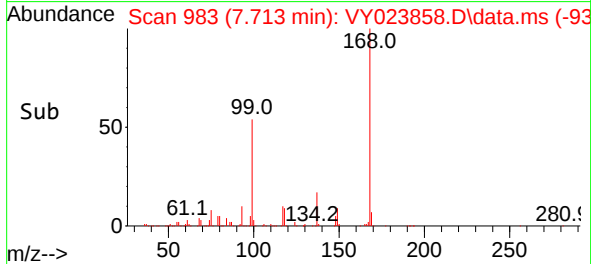
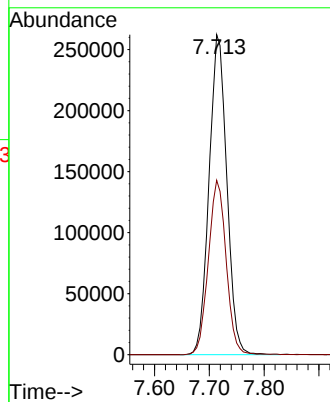
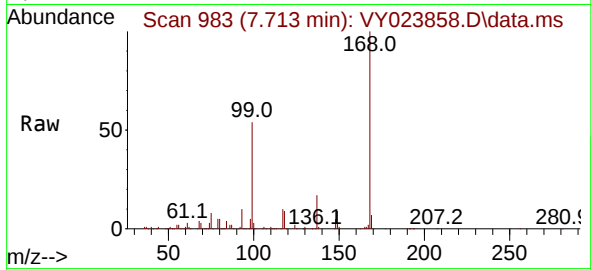




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

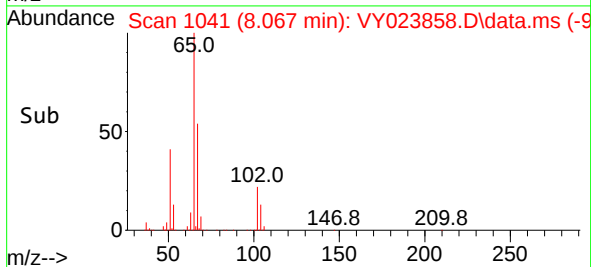
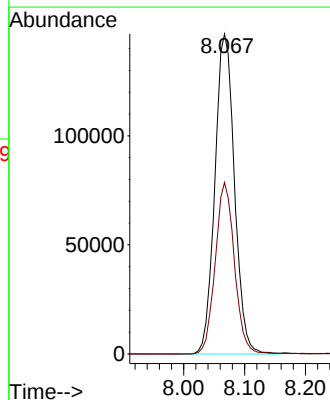
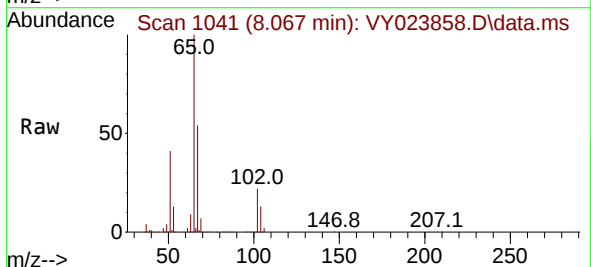
Instrument :
MSVOA_Y
ClientSampleId :
ROW

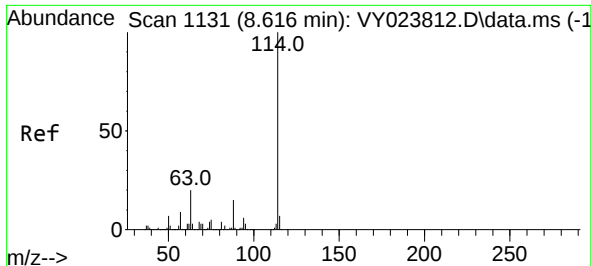
Tgt Ion:168 Resp: 587264
Ion Ratio Lower Upper
168 100
99 54.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 57.262 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Tgt Ion: 65 Resp: 327482
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

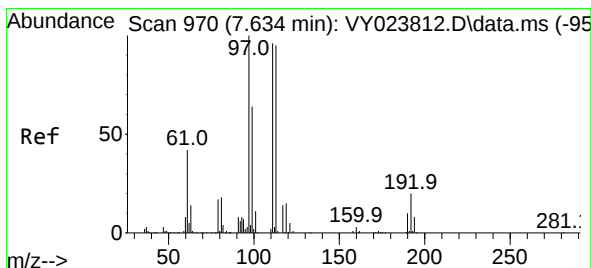
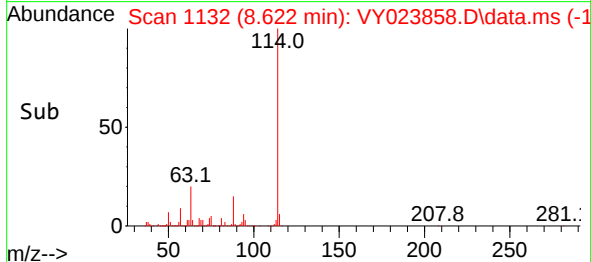
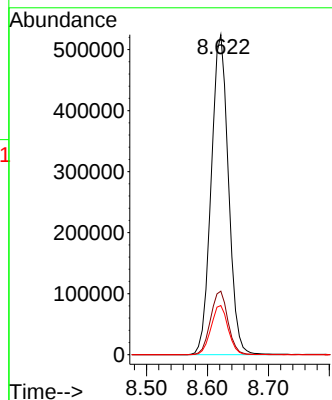
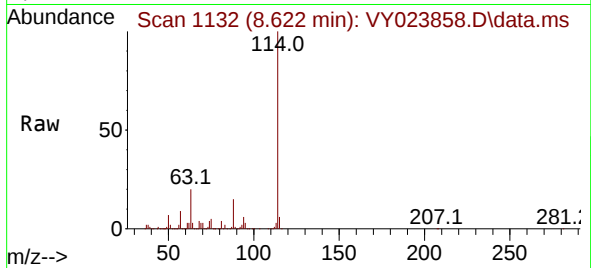




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

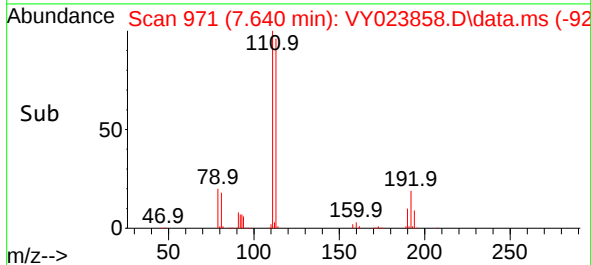
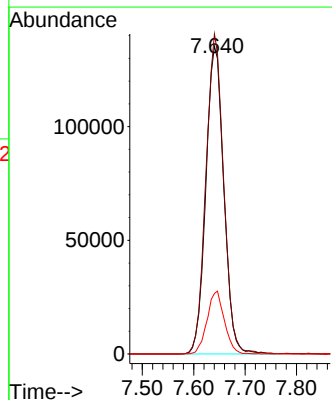
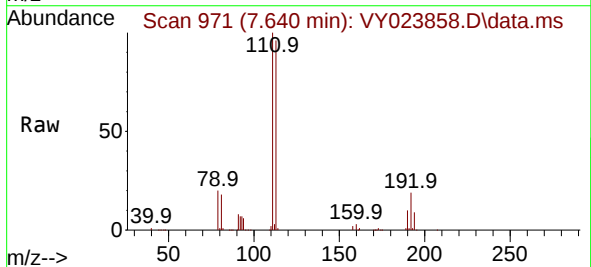
Instrument :
MSVOA_Y
ClientSampleId :
ROW

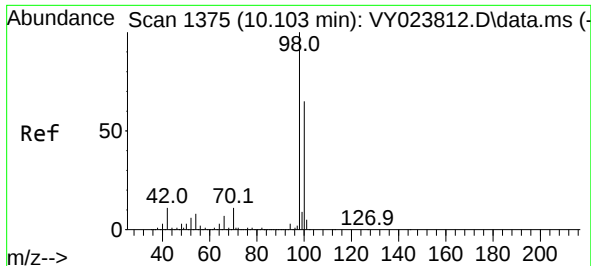
Tgt Ion:114 Resp: 1030303
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.4
88 15.4 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.652 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Tgt Ion:113 Resp: 327461
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 19.7 15.8 23.8

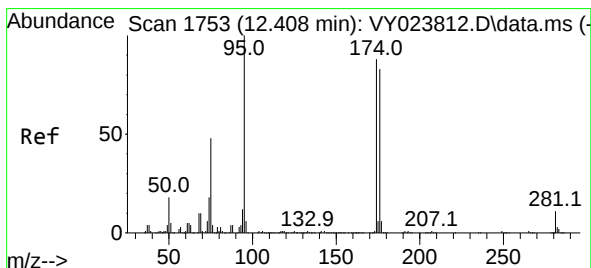
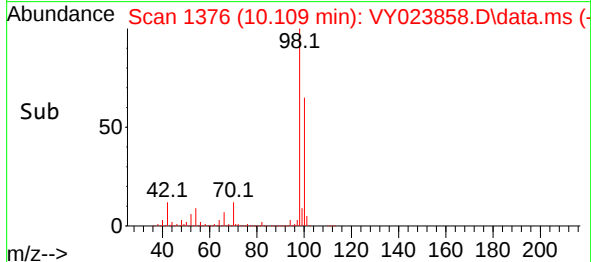
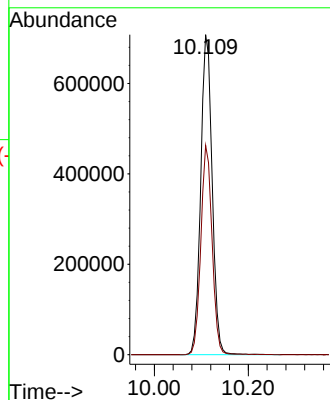
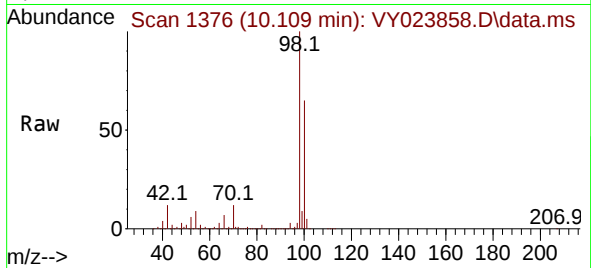




#50
Toluene-d8
Concen: 49.389 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

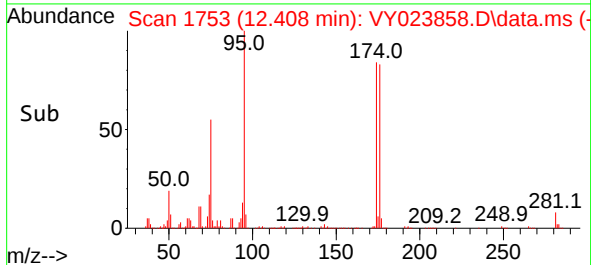
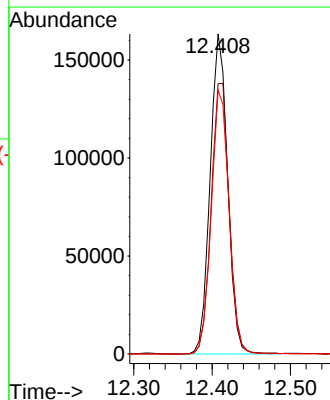
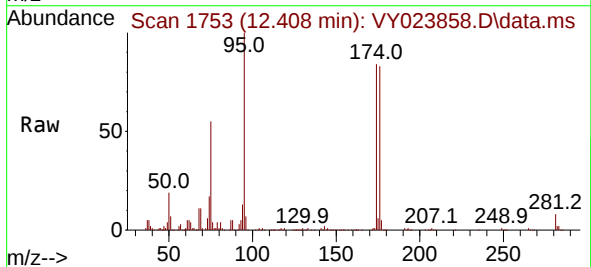
Instrument :
MSVOA_Y
ClientSampleId :
ROW

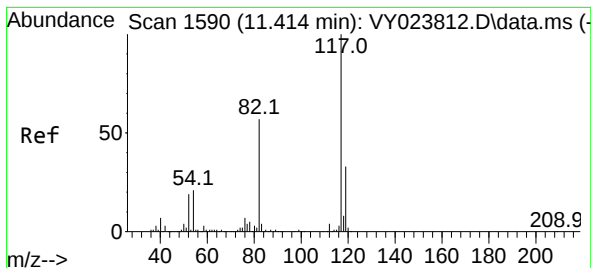
Tgt Ion: 98 Resp: 1197326
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 31.709 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Tgt Ion: 95 Resp: 252936
Ion Ratio Lower Upper
95 100
174 87.6 0.0 168.6
176 83.6 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: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :

ROW

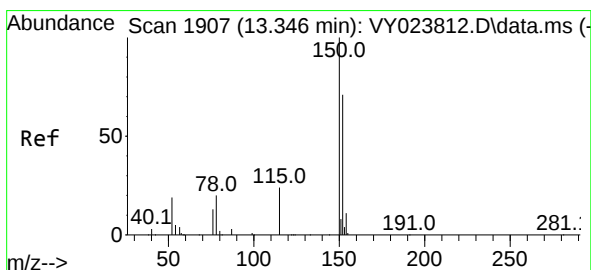
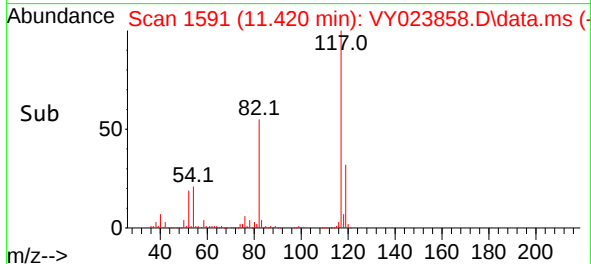
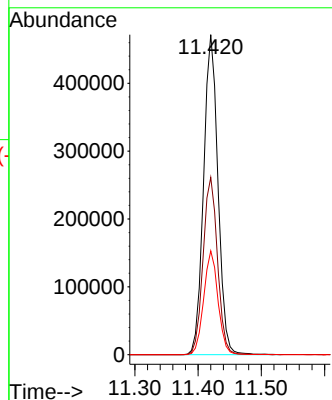
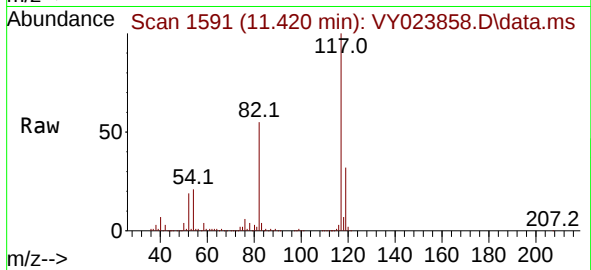
Tgt Ion:117 Resp: 747016

Ion Ratio Lower Upper

117 100

82 55.4 45.4 68.0

119 32.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Tgt Ion:152 Resp: 214228

Ion Ratio Lower Upper

152 100

115 57.8 28.7 86.3

150 157.8 0.0 345.6

