

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023836.D
 Acq On : 01 Dec 2025 12:26
 Operator : SY/MD
 Sample : Q3740-01
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC1

Quant Time: Dec 02 03:15:43 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	675919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1275968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1114794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	445014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	414869	63.027	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.060%
35) Dibromofluoromethane	7.640	113	409711	54.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.400%
50) Toluene-d8	10.109	98	1516112	50.498	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.408	95	447050	45.254	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.500%

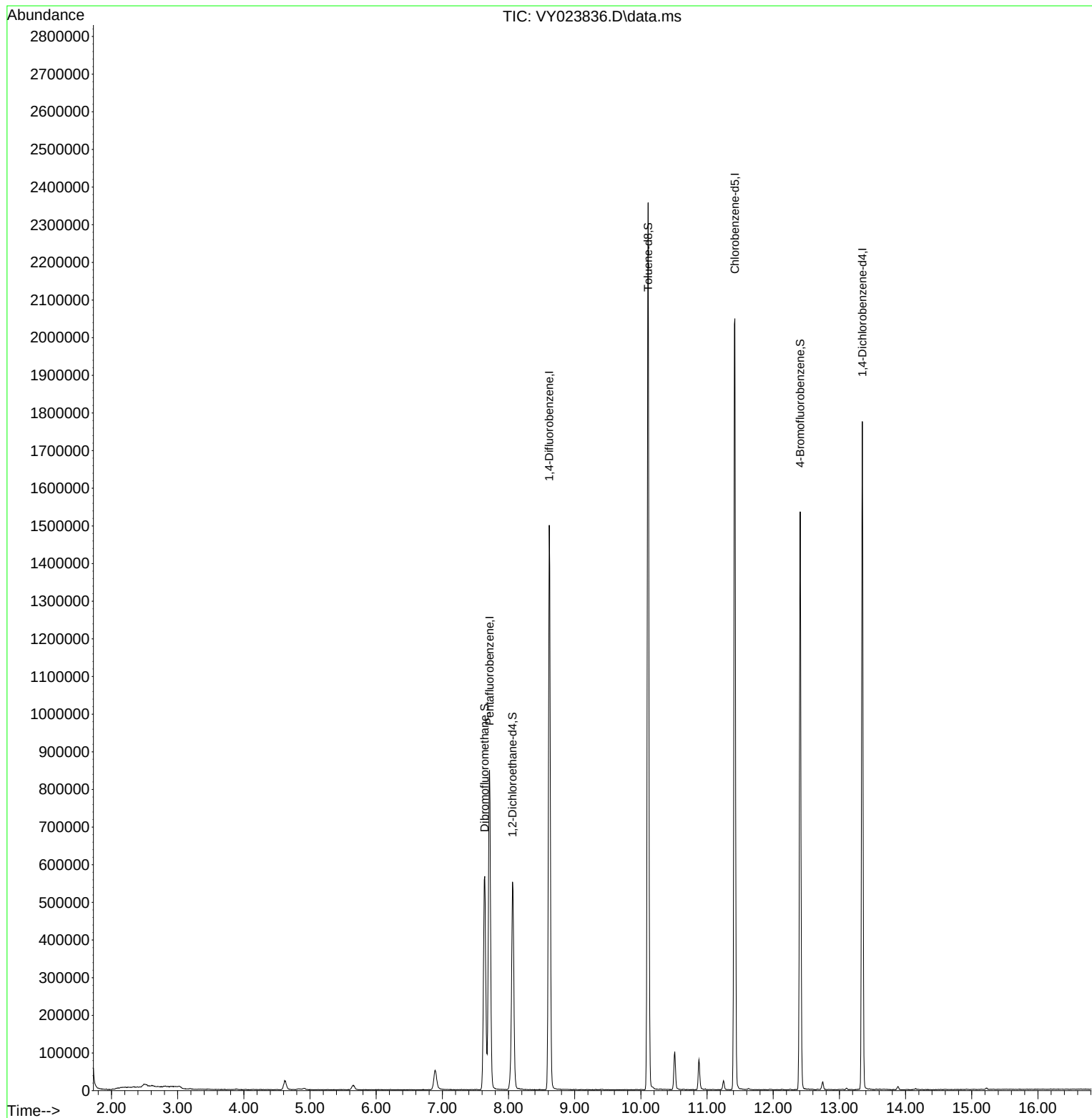
Target Compounds	Qvalue

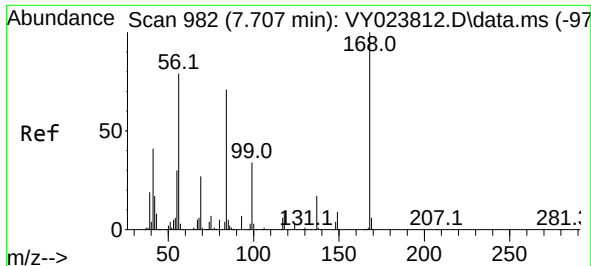
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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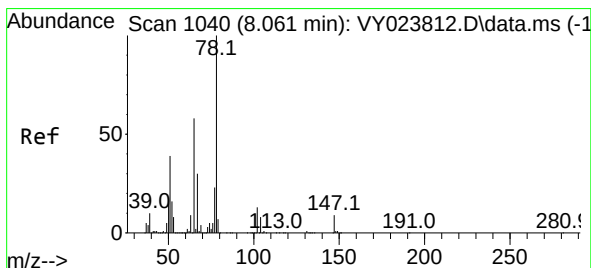
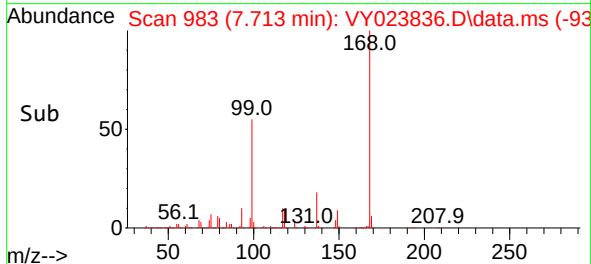
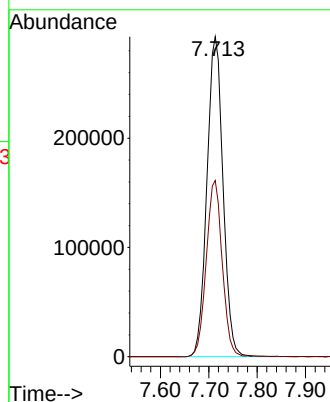
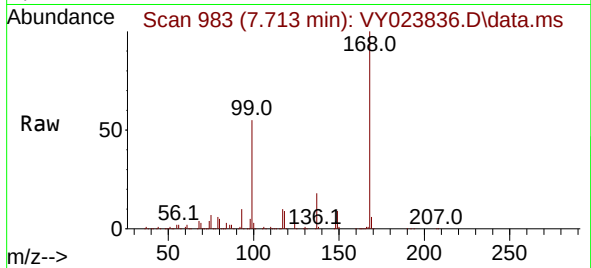




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

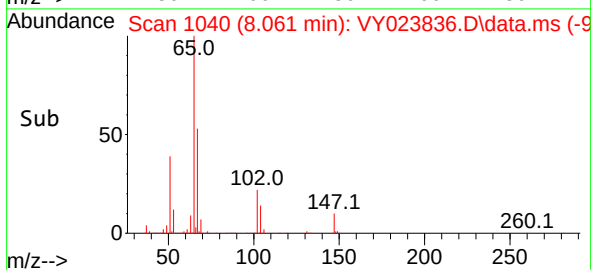
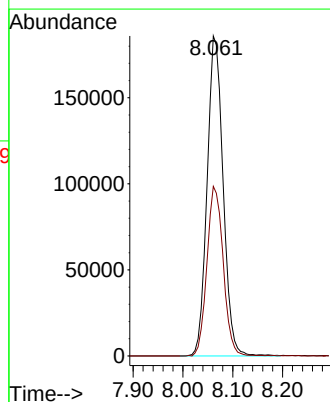
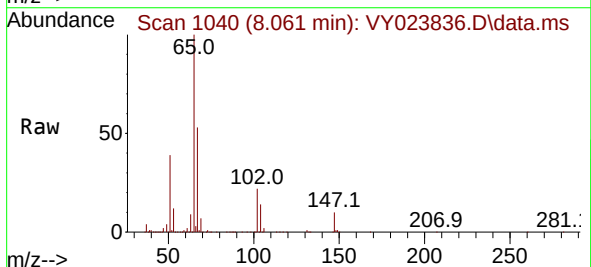
Instrument :
MSVOA_Y
ClientSampleId :
WC1

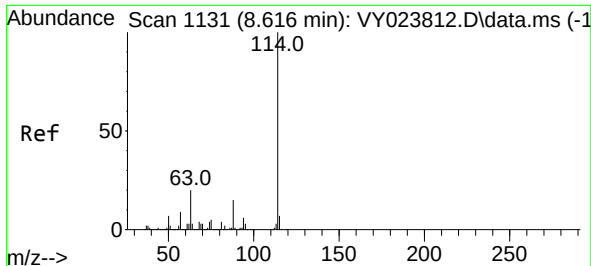
Tgt Ion:168 Resp: 675919
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 63.027 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion: 65 Resp: 414869
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.4

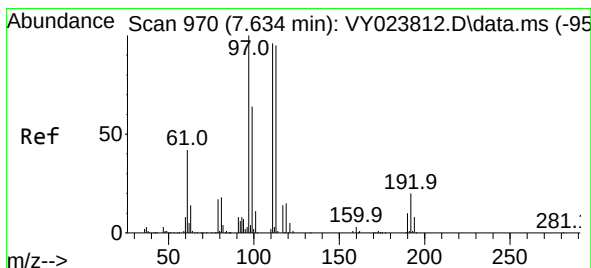
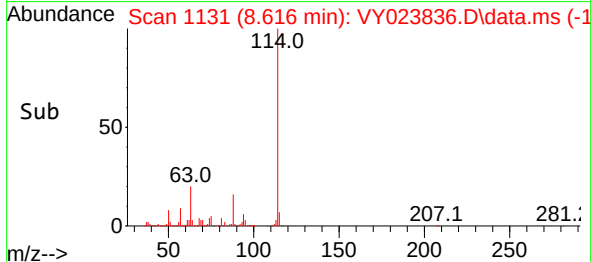
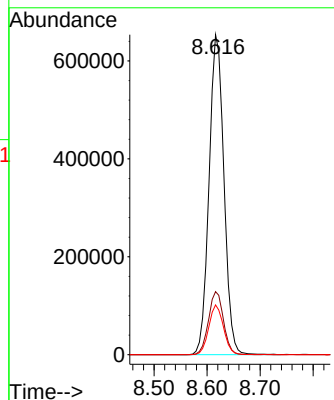
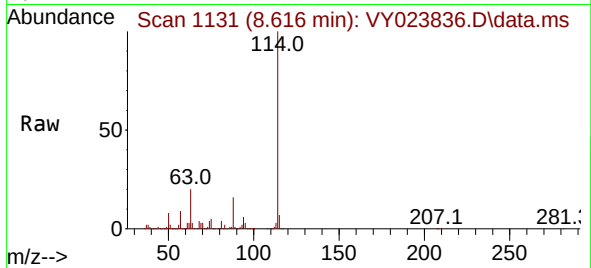




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

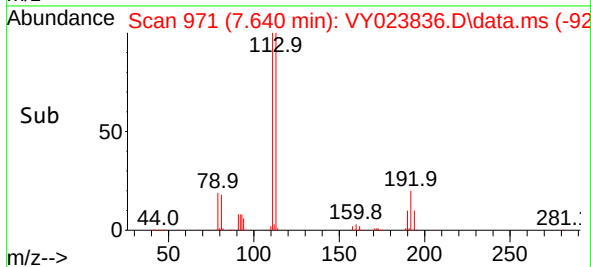
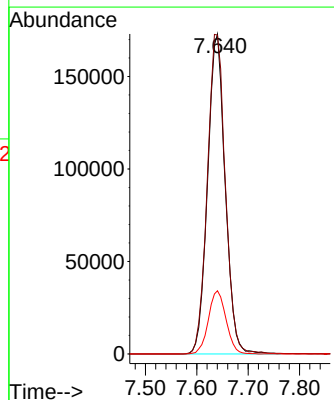
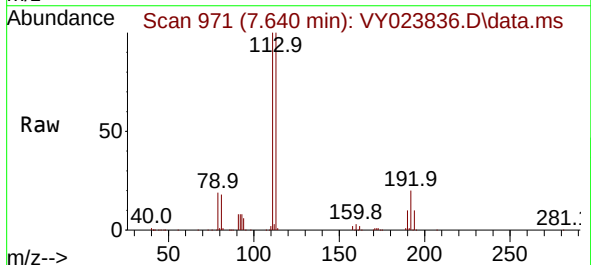
Instrument :
MSVOA_Y
ClientSampleId :
WC1

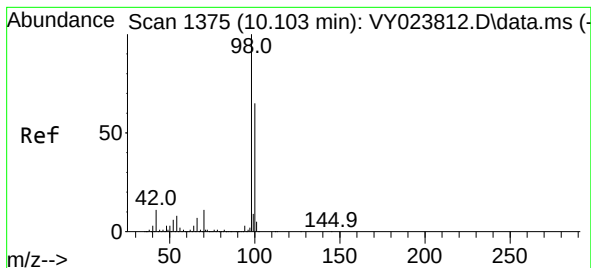
Tgt Ion:114 Resp: 1275968
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.4
88 15.6 0.0 30.8



#35
Dibromofluoromethane
Concen: 54.204 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023836.D
Acq: 01 Dec 2025 12:26

Tgt Ion:113 Resp: 409711
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 19.9 15.8 23.8





#50

Toluene-d8

Concen: 50.498 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

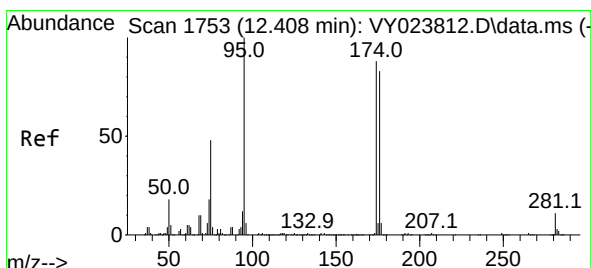
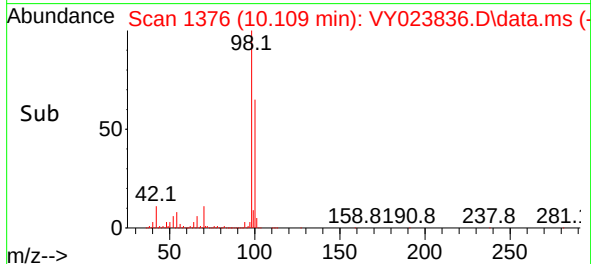
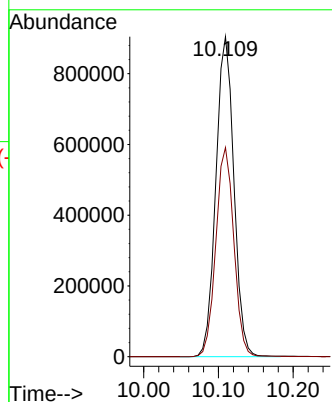
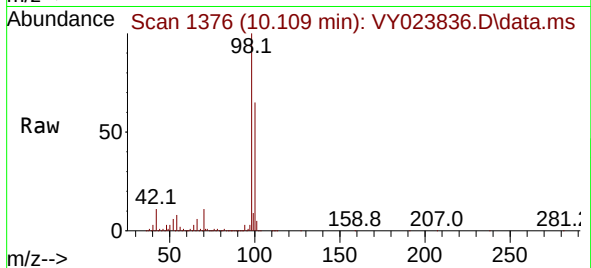
WC1

Tgt Ion: 98 Resp: 1516112

Ion Ratio Lower Upper

98 100

100 65.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.254 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

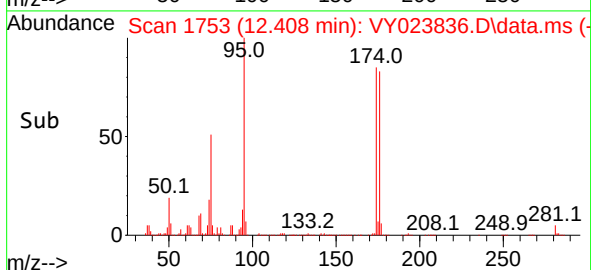
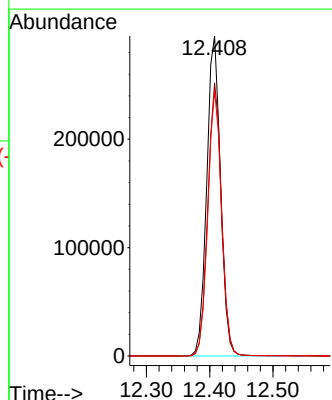
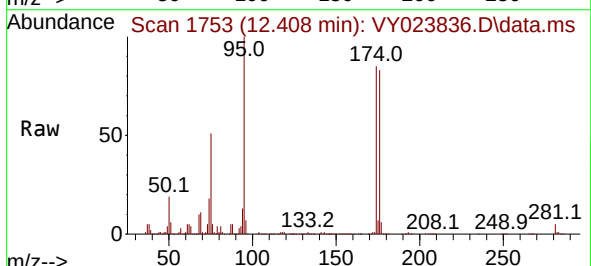
Tgt Ion: 95 Resp: 447050

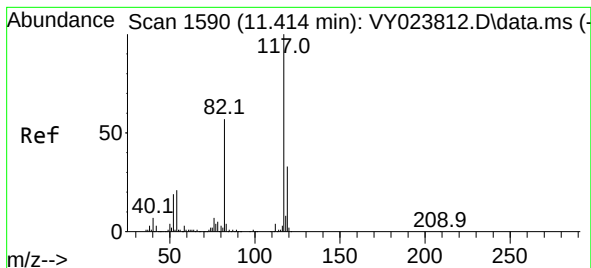
Ion Ratio Lower Upper

95 100

174 85.5 0.0 168.6

176 82.4 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: VY023836.D

Acq: 01 Dec 2025 12:26

Instrument :

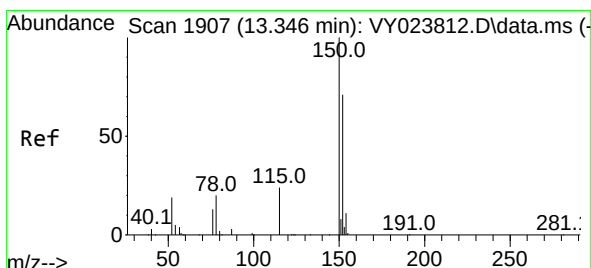
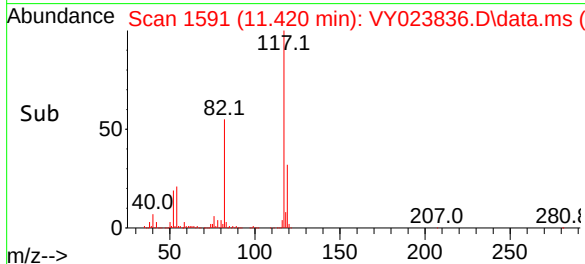
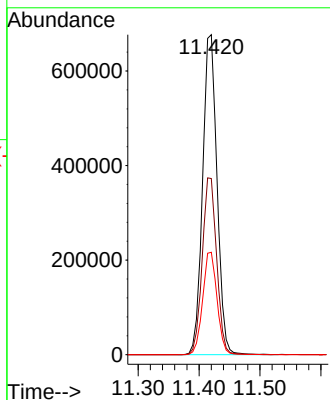
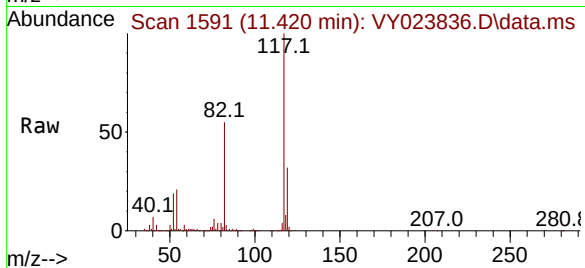
MSVOA_Y

ClientSampleId :

WC1

Tgt Ion:117 Resp: 1114794

Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.4	68.0
119	32.0	26.0	39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023836.D

Acq: 01 Dec 2025 12:26

Tgt Ion:152 Resp: 445014

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.7	86.3
150	157.1	0.0	345.6

