

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023837.D
 Acq On : 01 Dec 2025 12:49
 Operator : SY/MD
 Sample : Q3741-02
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP13-112025

Quant Time: Dec 02 03:16:06 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)

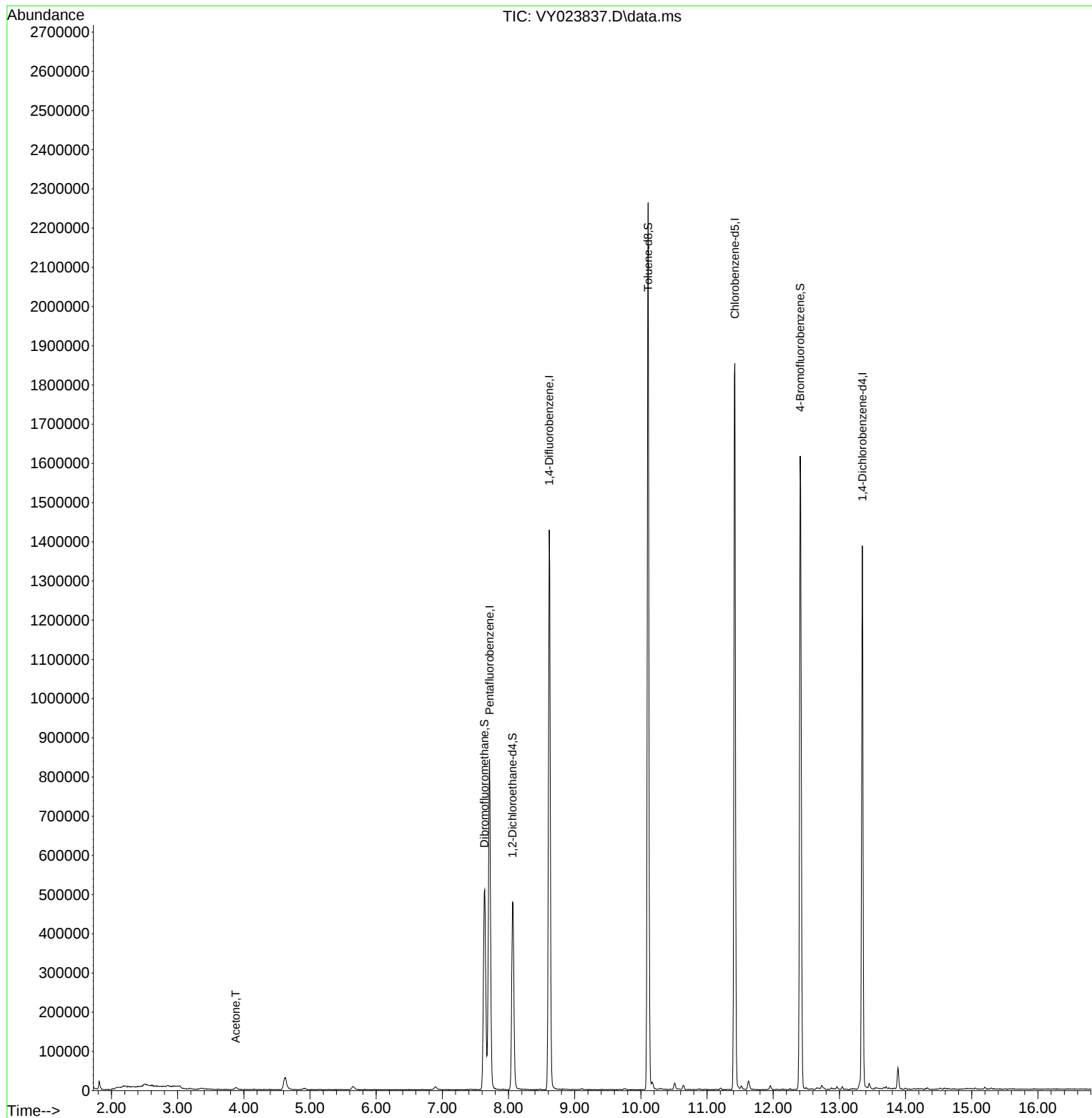
Internal Standards						
1) Pentafluorobenzene	7.713	168	654972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1210700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	990068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	344338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	389203	61.019	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.040%
35) Dibromofluoromethane	7.634	113	378036	52.710	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.420%
50) Toluene-d8	10.109	98	1437246	50.452	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.408	95	376091	40.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.240%
Target Compounds						
16) Acetone	3.879	43	9683	5.269	ug/l	Qvalue 95

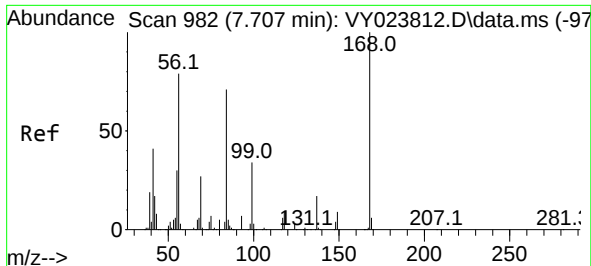
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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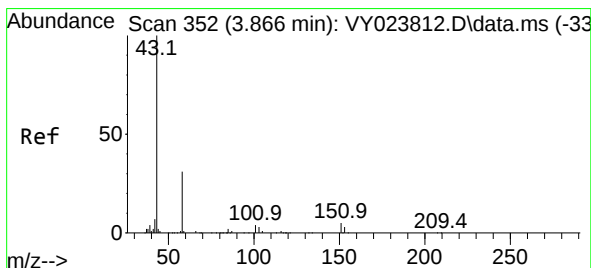
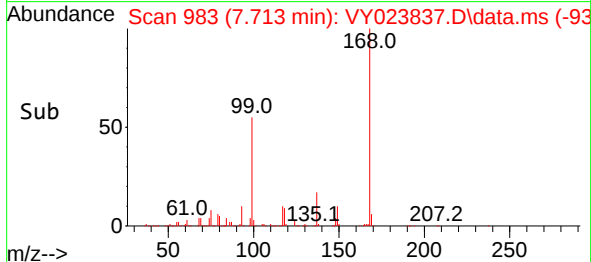
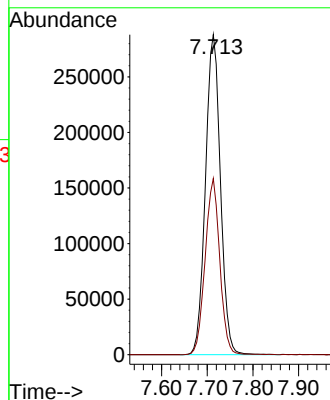
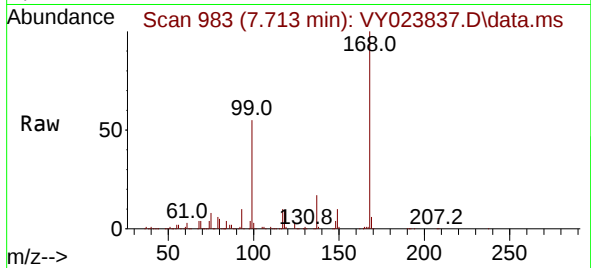




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

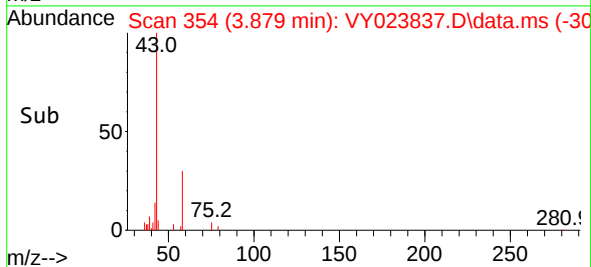
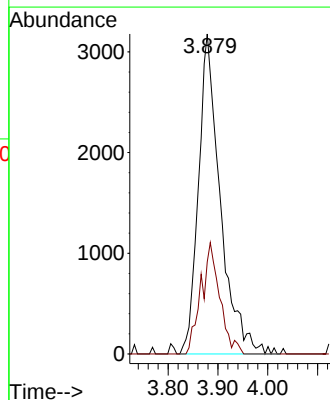
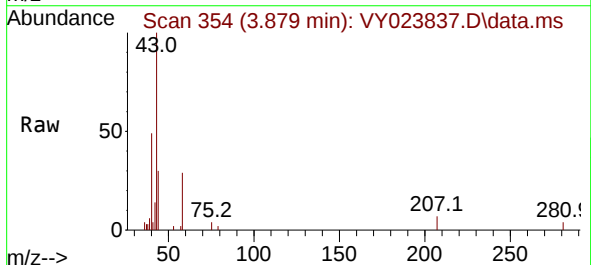
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

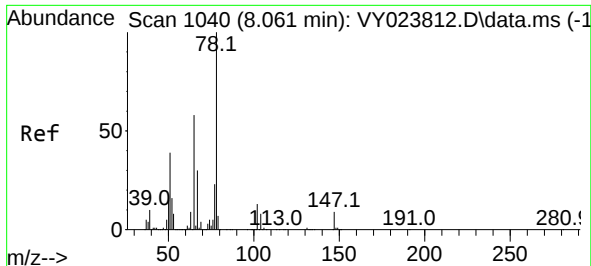
Tgt Ion:168 Resp: 654972
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0



#16
Acetone
Concen: 5.269 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Tgt Ion: 43 Resp: 9683
Ion Ratio Lower Upper
43 100
58 28.8 25.4 38.2





#33

1,2-Dichloroethane-d4

Concen: 61.019 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023837.D

Acq: 01 Dec 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

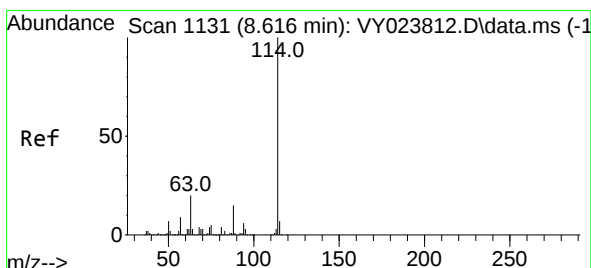
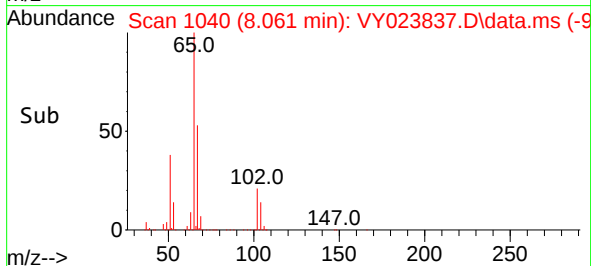
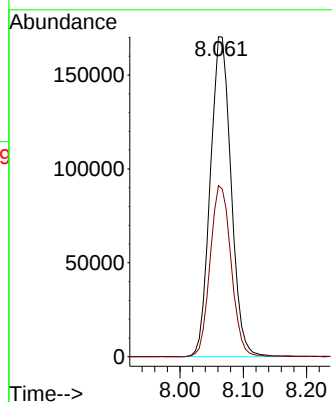
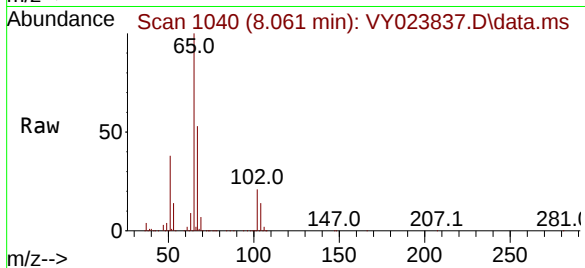
B50-SP13-112025

Tgt Ion: 65 Resp: 389203

Ion Ratio Lower Upper

65 100

67 54.1 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: VY023837.D

Acq: 01 Dec 2025 12:49

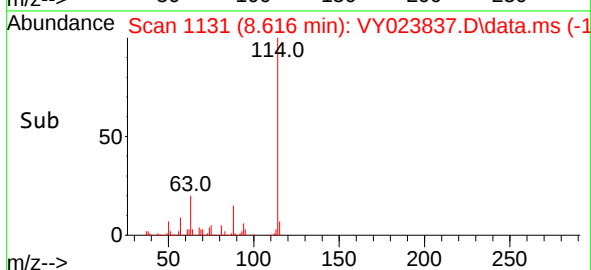
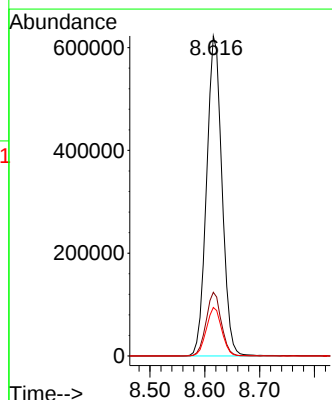
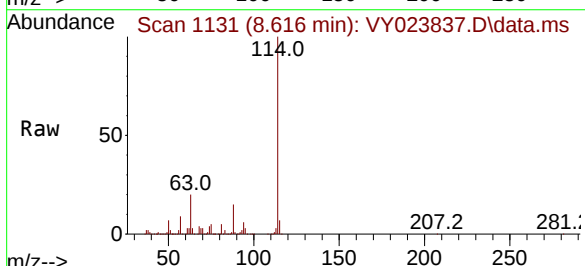
Tgt Ion:114 Resp: 1210700

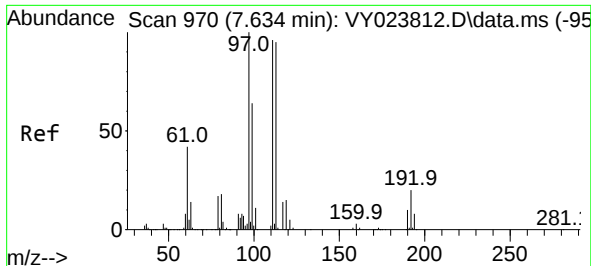
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.2 0.0 30.8

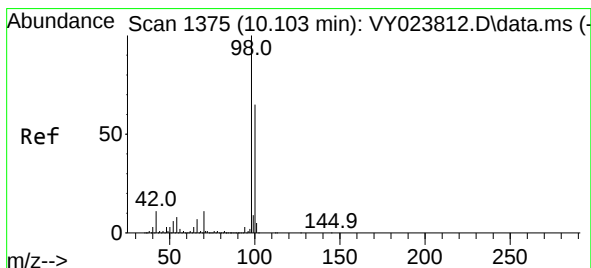
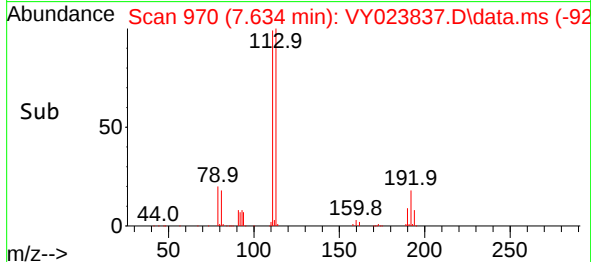
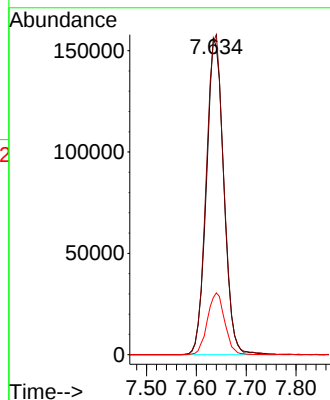
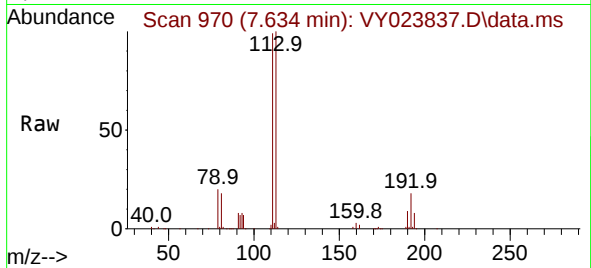




#35
Dibromofluoromethane
Concen: 52.710 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

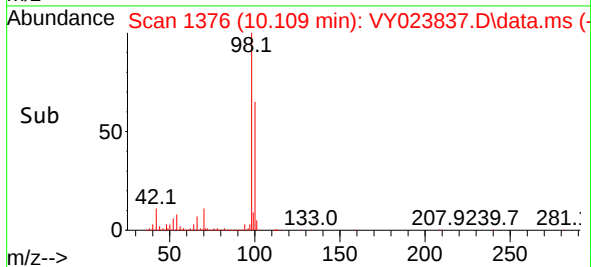
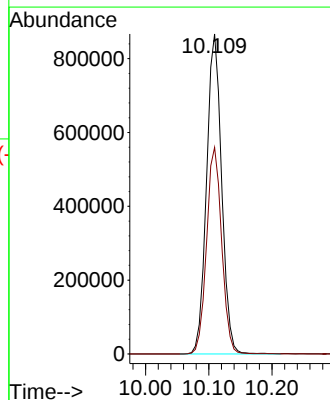
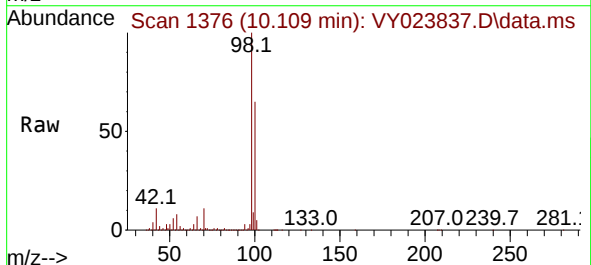
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

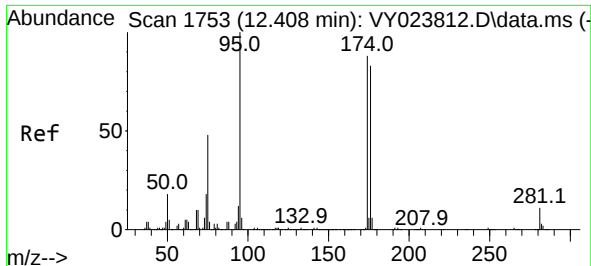
Tgt Ion:113 Resp: 378036
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 19.5 15.8 23.8



#50
Toluene-d8
Concen: 50.452 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

Tgt Ion: 98 Resp: 1437246
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

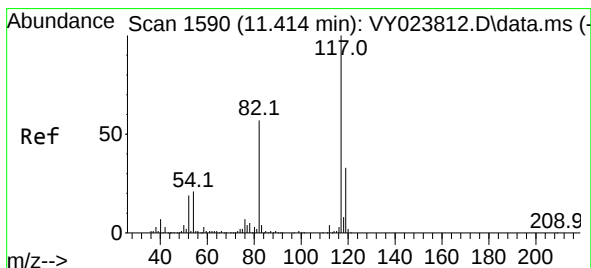
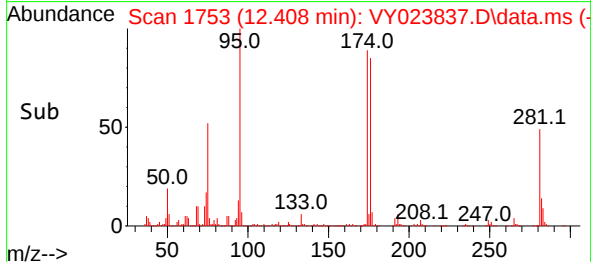
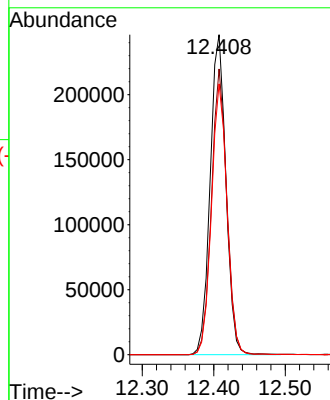
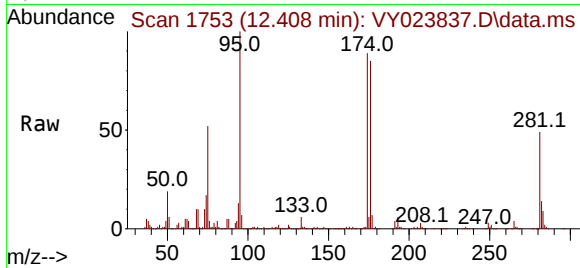




#62
4-Bromofluorobenzene
Concen: 40.124 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

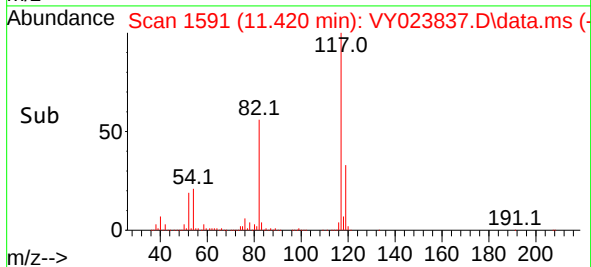
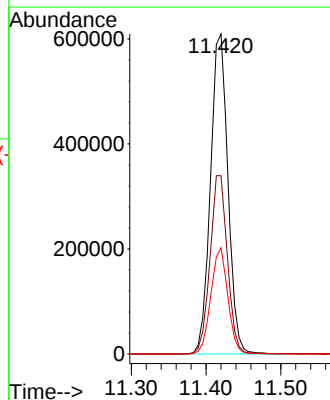
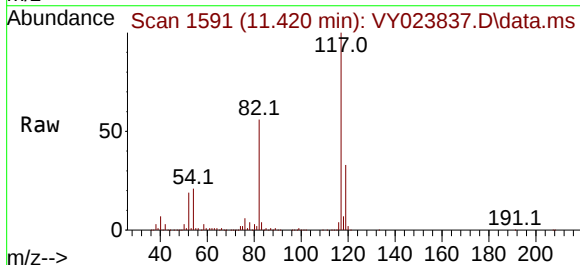
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP13-112025

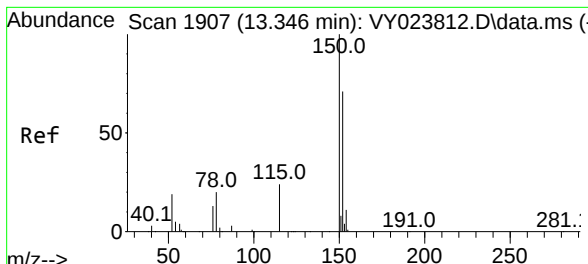
Tgt Ion: 95 Resp: 376091
Ion Ratio Lower Upper
95 100
174 87.5 0.0 168.6
176 83.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023837.D
Acq: 01 Dec 2025 12:49

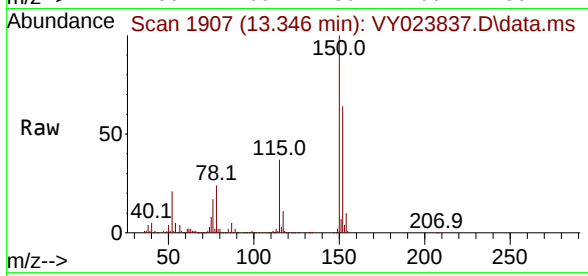
Tgt Ion: 117 Resp: 990068
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 33.2 26.0 39.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023837.D
 Acq: 01 Dec 2025 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP13-112025



Tgt Ion:	152	Resp:	344338
Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.7	86.3
150	156.9	0.0	345.6

