

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023838.D
 Acq On : 01 Dec 2025 13:12
 Operator : SY/MD
 Sample : Q3741-03
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP14-112025

Quant Time: Dec 02 03:16:27 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)

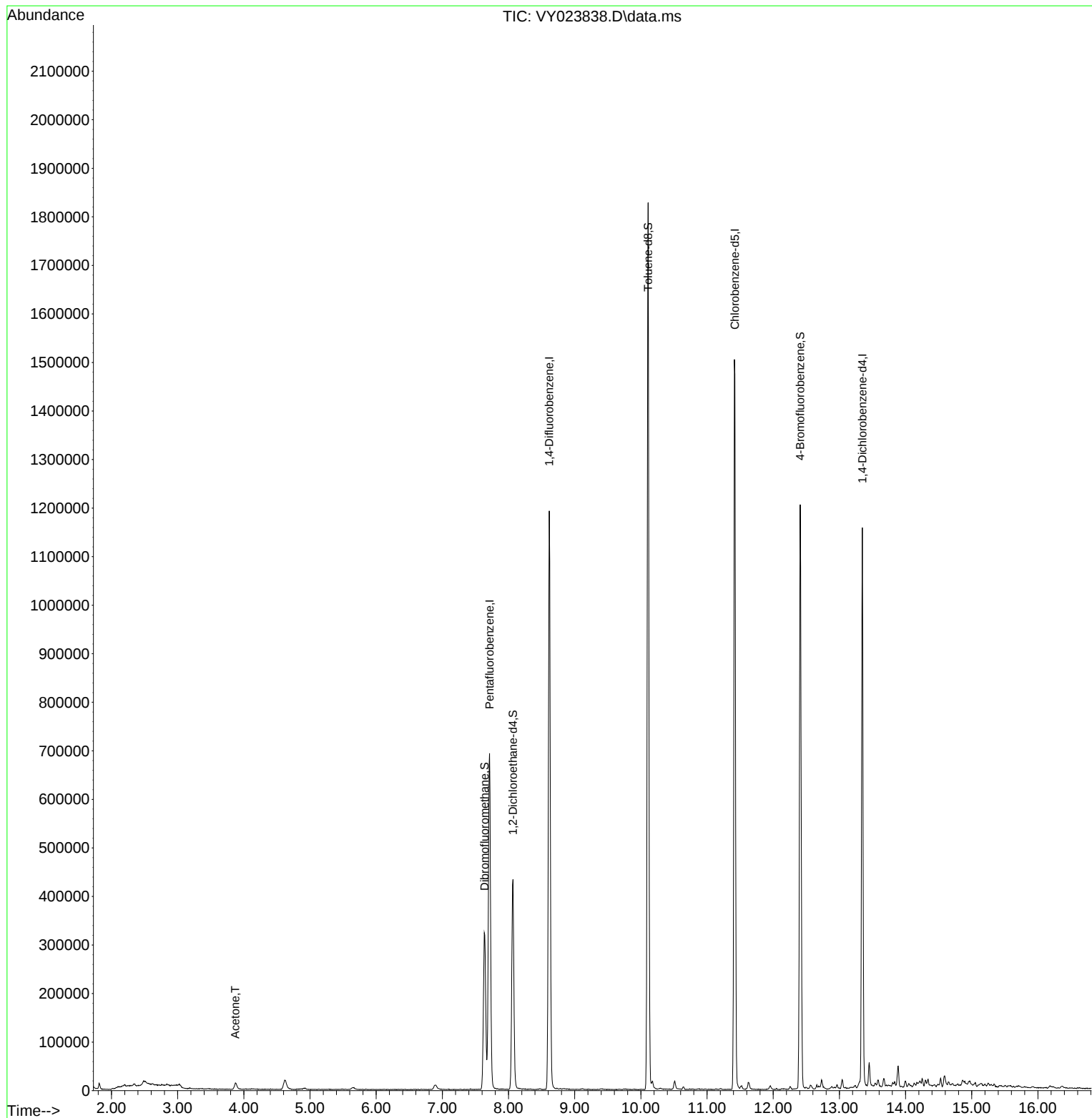
Internal Standards						
1) Pentafluorobenzene	7.713	168	548000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1005981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	813032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	286147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	341316	63.957	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.920%
35) Dibromofluoromethane	7.640	113	234976	39.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.860%
50) Toluene-d8	10.109	98	1203709	50.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.408	95	304631	39.114	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.220%
Target Compounds						
16) Acetone	3.873	43	23001	14.959	ug/l	Qvalue 97

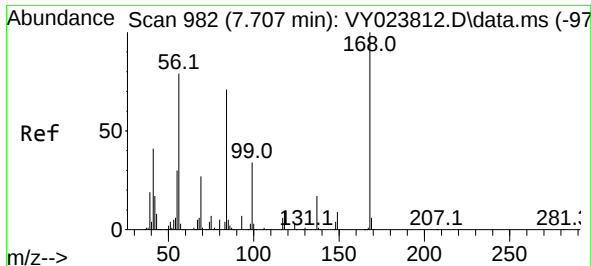
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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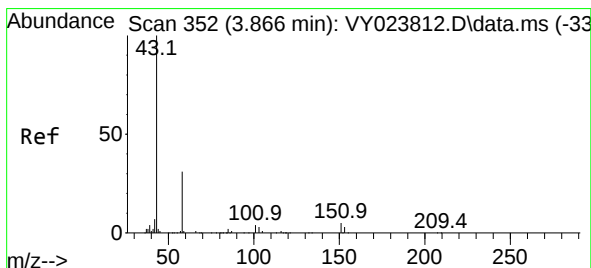
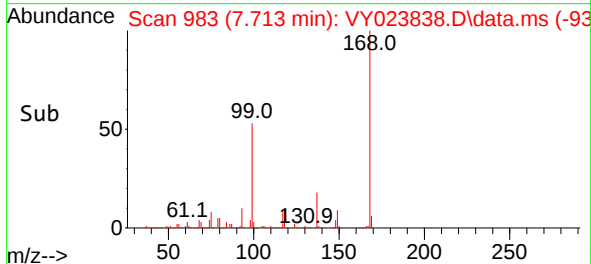
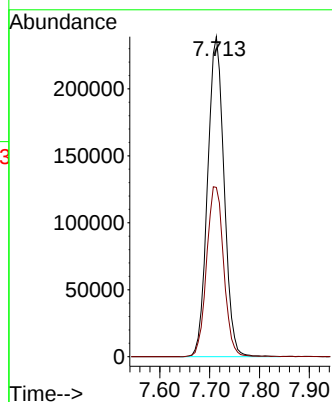
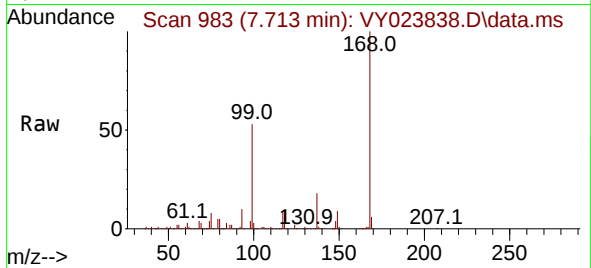




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

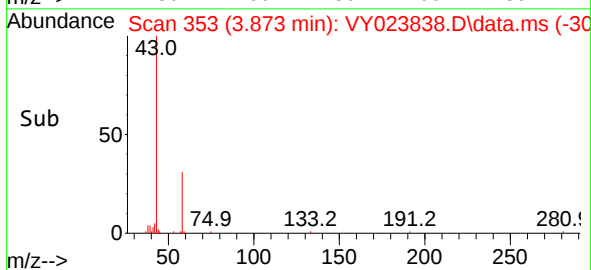
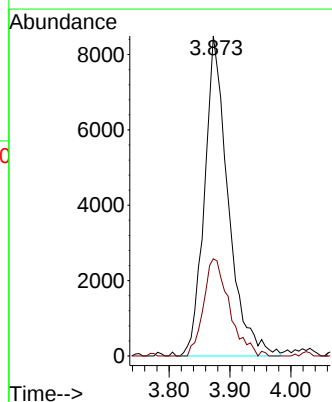
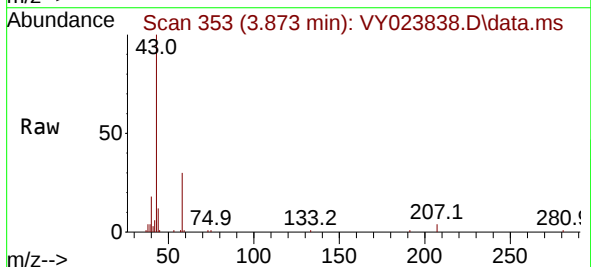
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

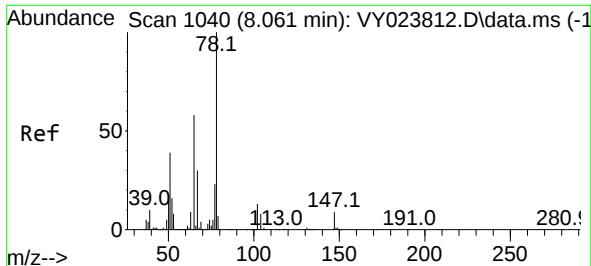
Tgt Ion:168 Resp: 548000
Ion Ratio Lower Upper
168 100
99 52.9 44.0 66.0



#16
Acetone
Concen: 14.959 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 43 Resp: 23001
Ion Ratio Lower Upper
43 100
58 30.4 25.4 38.2

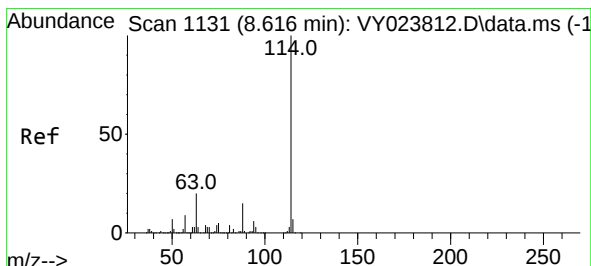
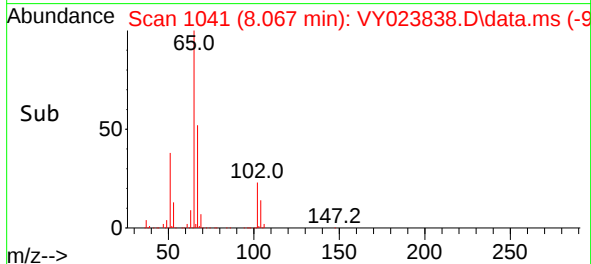
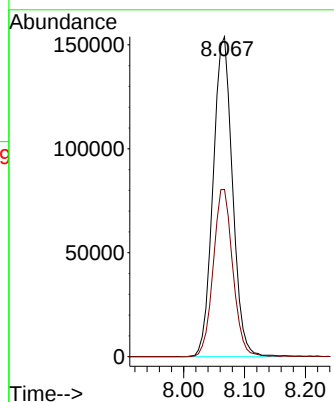
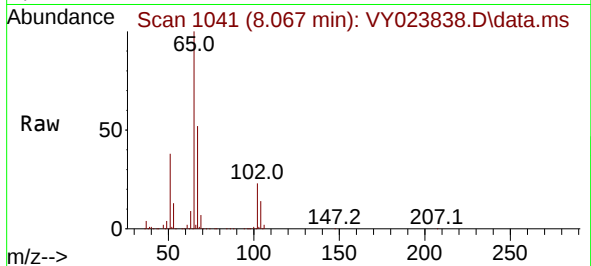




#33
 1,2-Dichloroethane-d4
 Concen: 63.957 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. 0.006 min
 Lab File: VY023838.D
 Acq: 01 Dec 2025 13:12

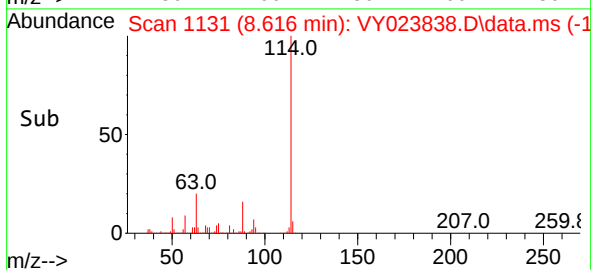
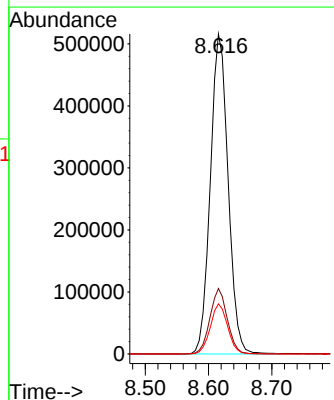
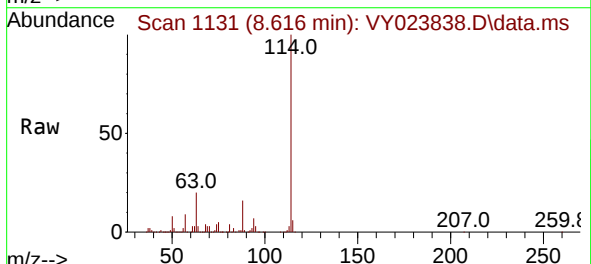
Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP14-112025

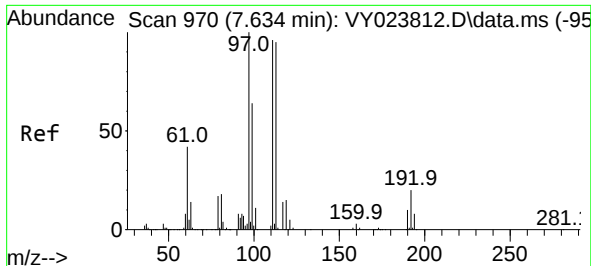
Tgt Ion: 65 Resp: 341316
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023838.D
 Acq: 01 Dec 2025 13:12

Tgt Ion: 114 Resp: 1005981
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.4
 88 15.7 0.0 30.8

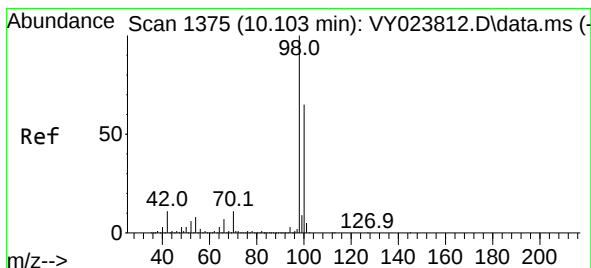
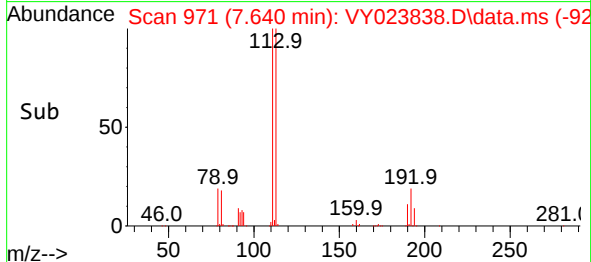
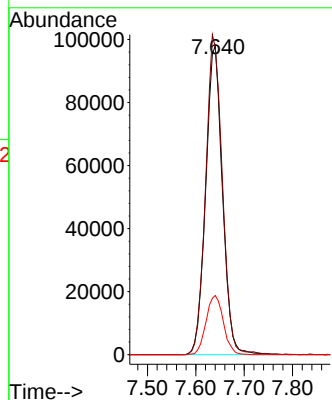
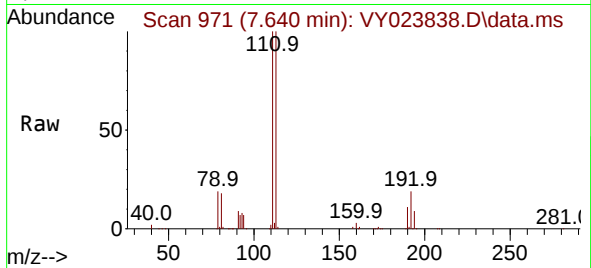




#35
Dibromofluoromethane
Concen: 39.430 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

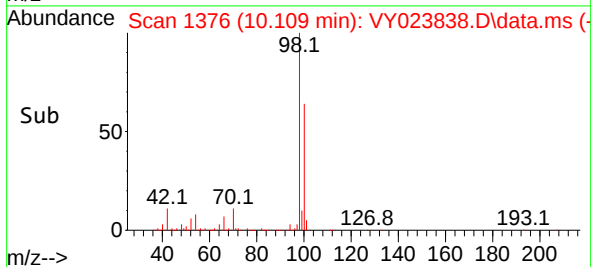
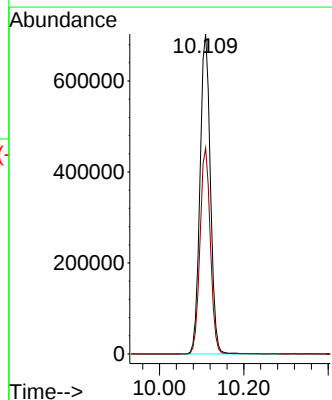
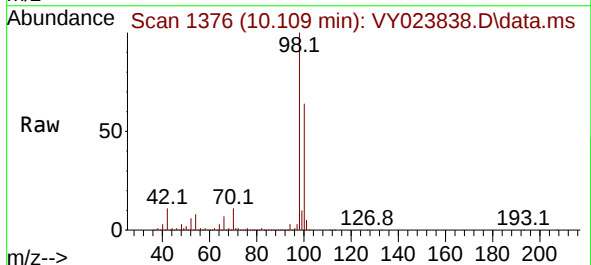
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

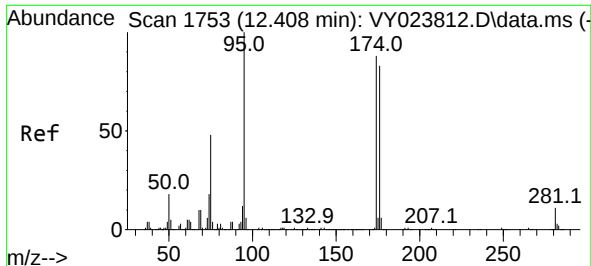
Tgt Ion:113 Resp: 234976
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 19.8 15.8 23.8



#50
Toluene-d8
Concen: 50.853 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 98 Resp: 1203709
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

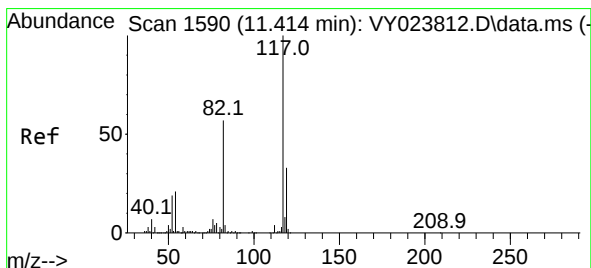
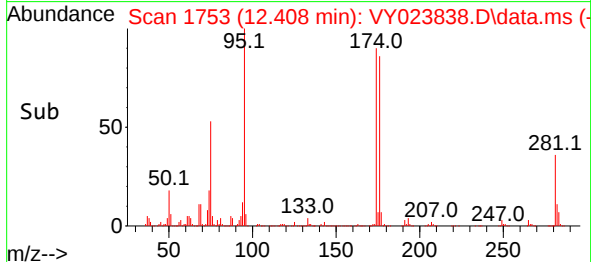
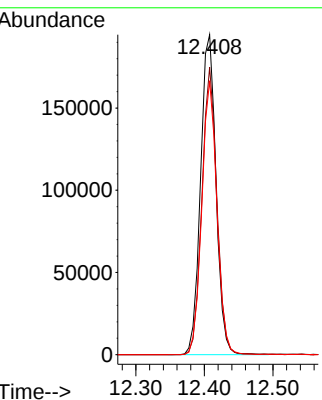
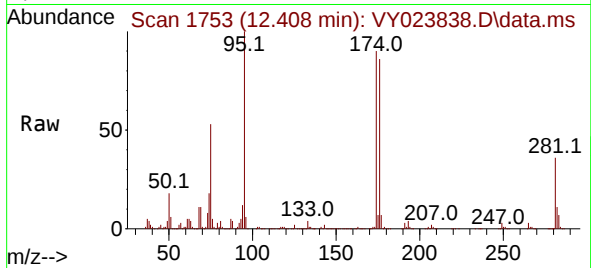




#62
4-Bromofluorobenzene
Concen: 39.114 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

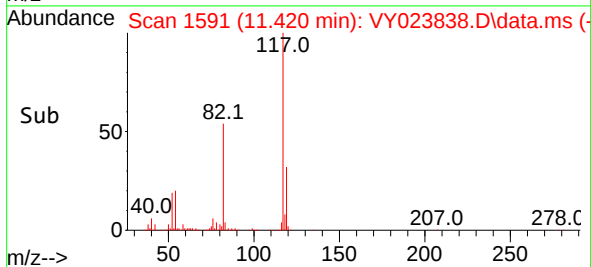
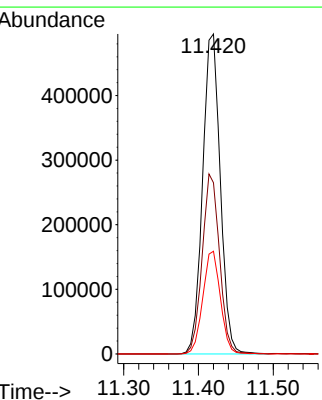
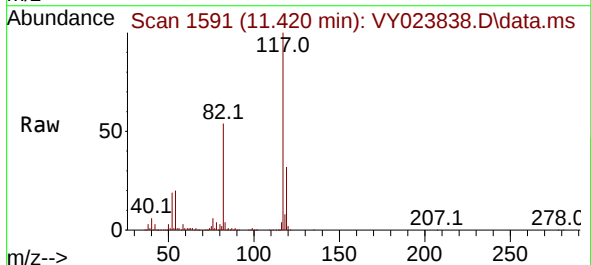
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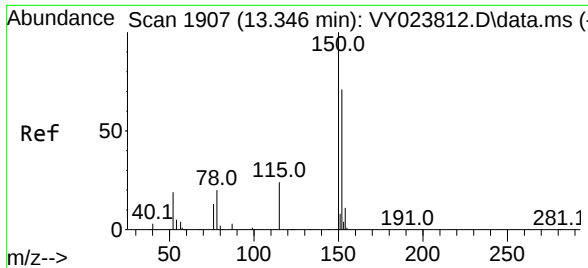
Tgt Ion: 95 Resp: 304631
Ion Ratio Lower Upper
95 100
174 87.2 0.0 168.6
176 83.9 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

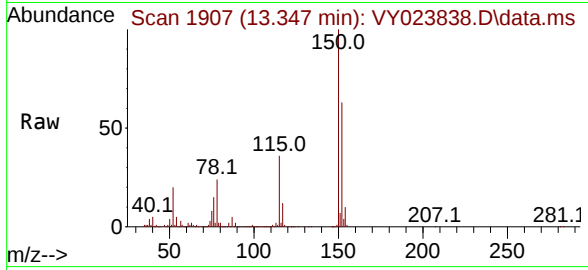
Tgt Ion: 117 Resp: 813032
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.0
119 32.1 26.0 39.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023838.D
 Acq: 01 Dec 2025 13:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP14-112025



Tgt Ion:	152	Resp:	286147
Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.7	86.3
150	157.6	0.0	345.6

