

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023841.D
 Acq On : 01 Dec 2025 14:23
 Operator : SY/MD
 Sample : Q3741-01
 Misc : 6.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP3-111925

Quant Time: Dec 02 03:17:37 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	649881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1225707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1028801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	402778	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	399486	63.121	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.240%
35) Dibromofluoromethane	7.634	113	378119	52.076	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.160%
50) Toluene-d8	10.109	98	1448230	50.215	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.408	95	407988	42.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.980%

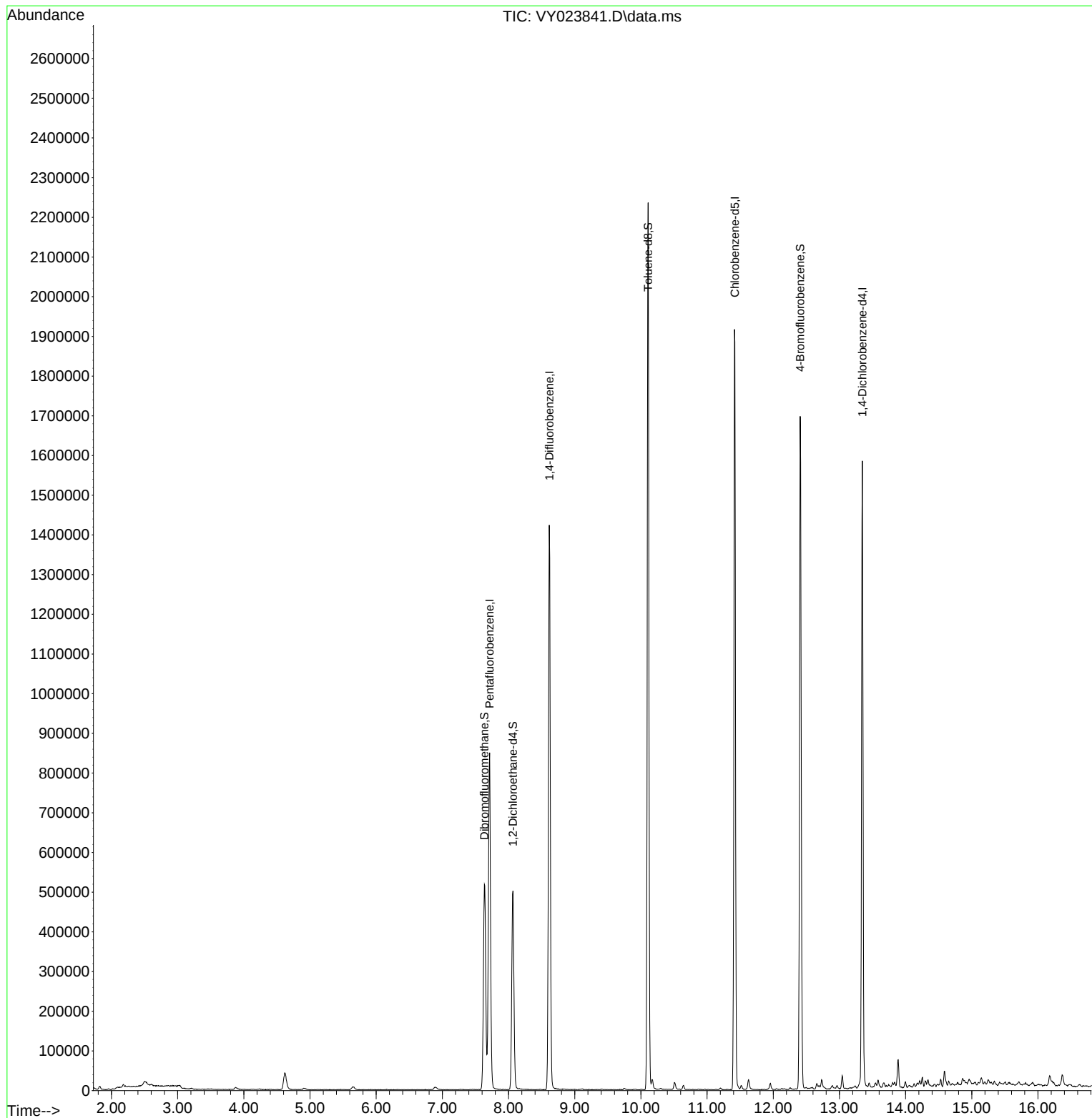
Target Compounds	Qvalue

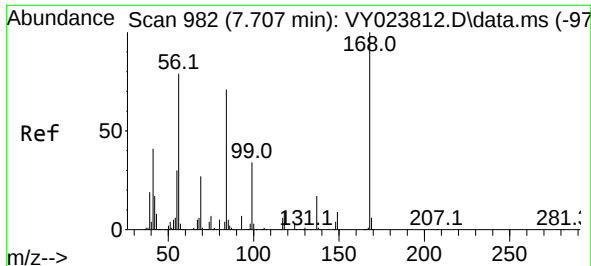
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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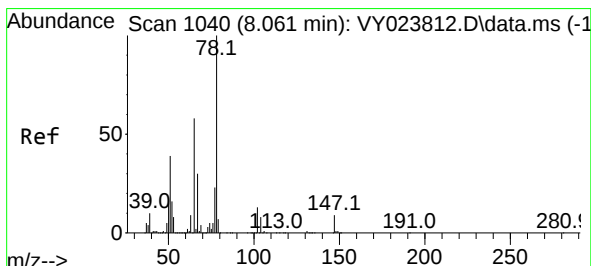
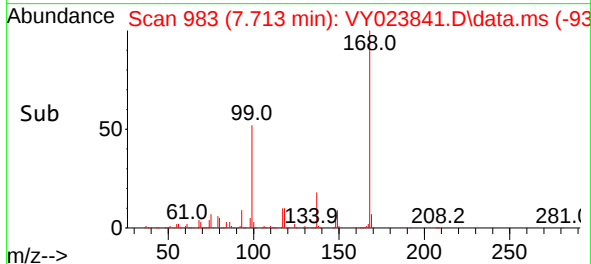
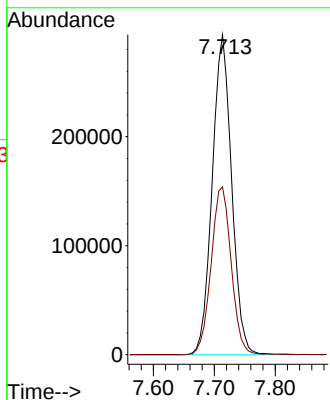
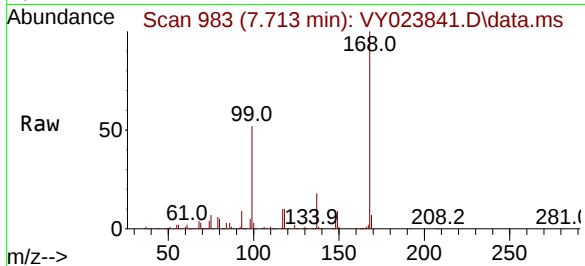




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

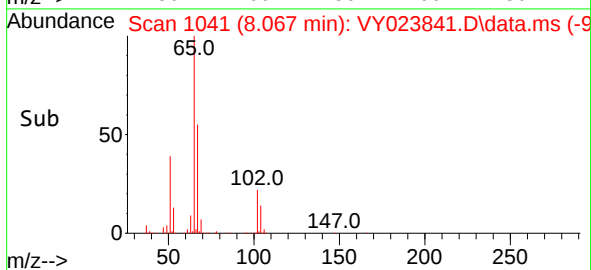
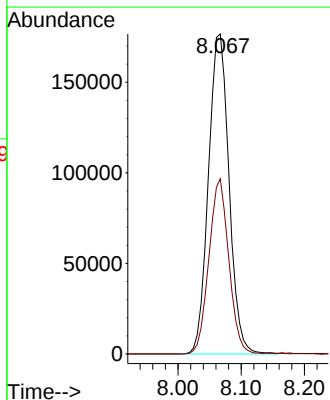
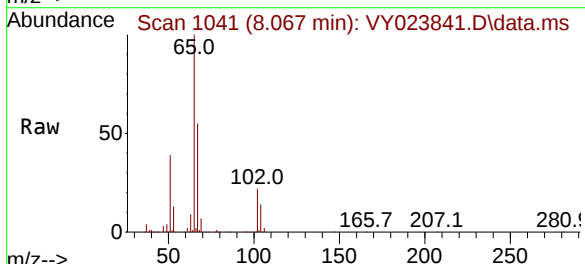
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

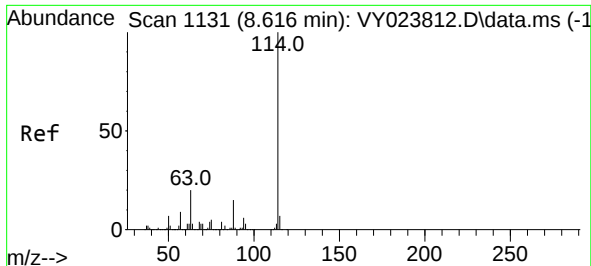
Tgt Ion:168 Resp: 649881
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 63.121 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion: 65 Resp: 399486
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4

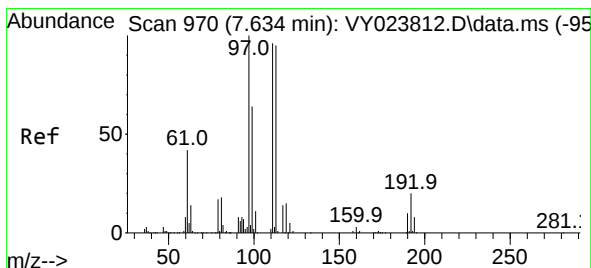
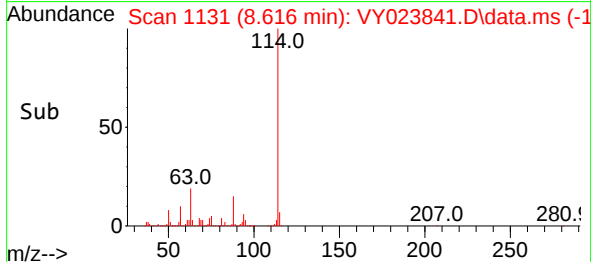
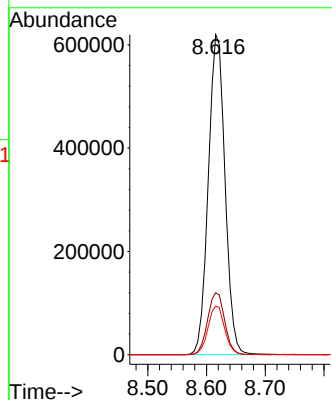
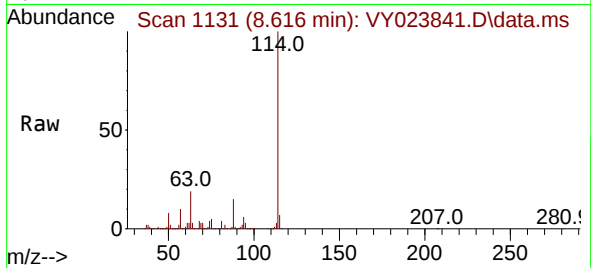




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

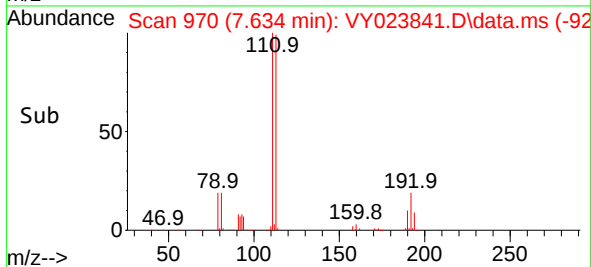
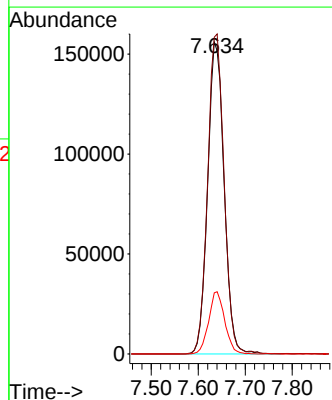
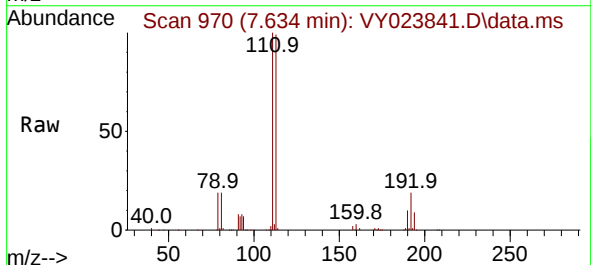
Instrument :
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ClientSampleId :
B50-SP3-111925

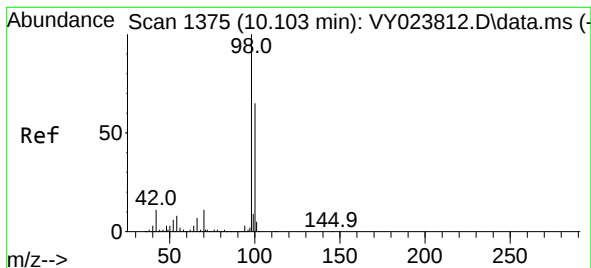
Tgt Ion:114 Resp: 1225707
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.4
88 15.2 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion:113 Resp: 378119
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 19.6 15.8 23.8

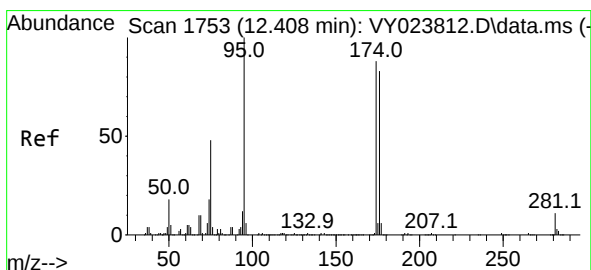
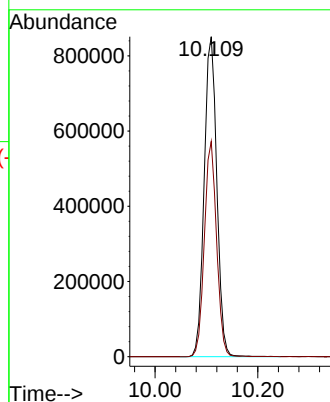
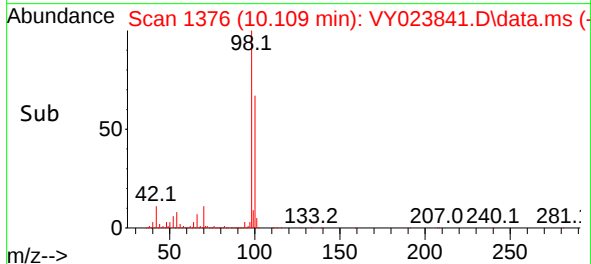
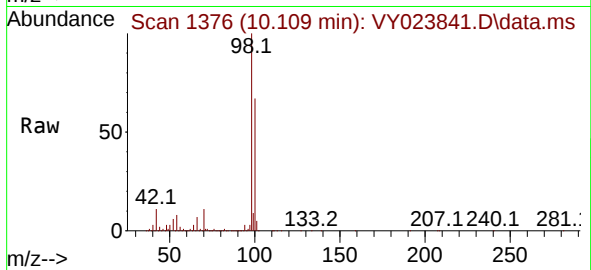




#50
Toluene-d8
Concen: 50.215 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

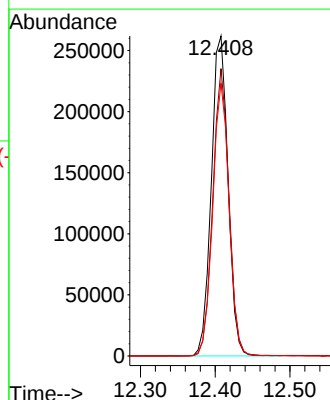
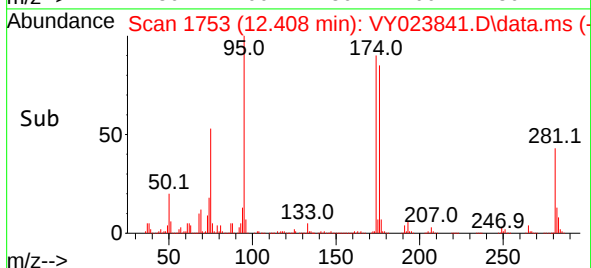
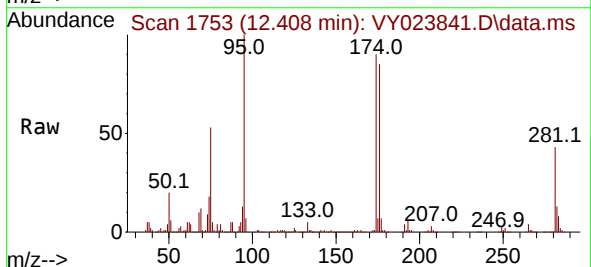
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

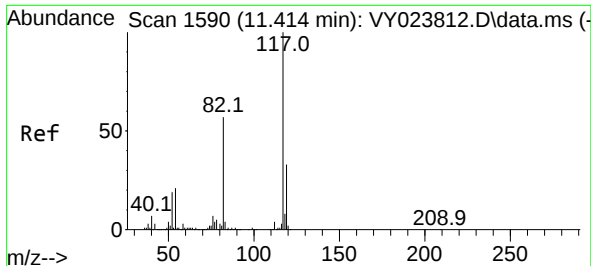
Tgt Ion: 98 Resp: 1448230
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.994 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion: 95 Resp: 407988
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.6
176 83.2 0.0 164.6

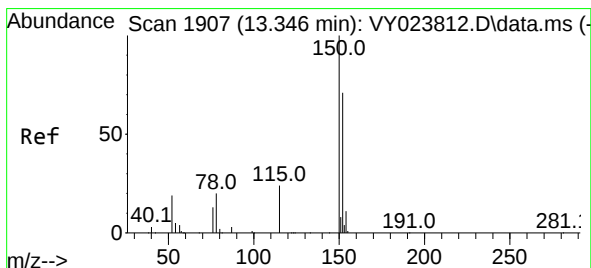
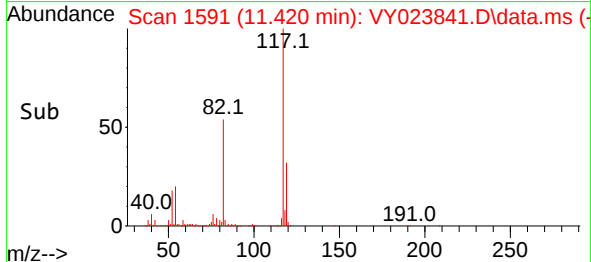
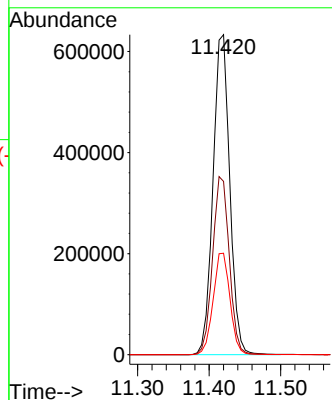
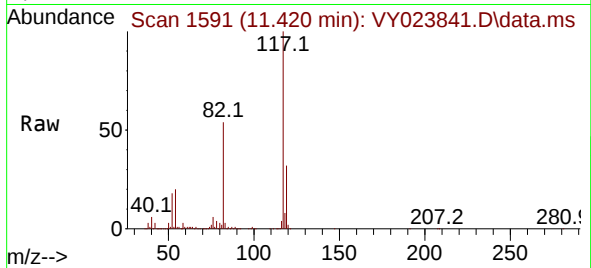




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023841.D
Acq: 01 Dec 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP3-111925

Tgt Ion:117 Resp: 1028801
Ion Ratio Lower Upper
117 100
82 54.1 45.4 68.0
119 31.7 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: VY023841.D
Acq: 01 Dec 2025 14:23

Tgt Ion:152 Resp: 402778
Ion Ratio Lower Upper
152 100
115 57.1 28.7 86.3
150 156.4 0.0 345.6

