

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023491.D
 Acq On : 16 Oct 2025 15:40
 Operator : SY/MD
 Sample : Q3366-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-101625

Quant Time: Oct 17 01:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	77735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	106538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	94565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	33991	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	26087	40.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.260%
35) Dibromofluoromethane	7.640	113	35961	54.934	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.860%
50) Toluene-d8	10.109	98	125450	51.458	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.920%
62) 4-Bromofluorobenzene	12.408	95	34146	42.424	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.840%

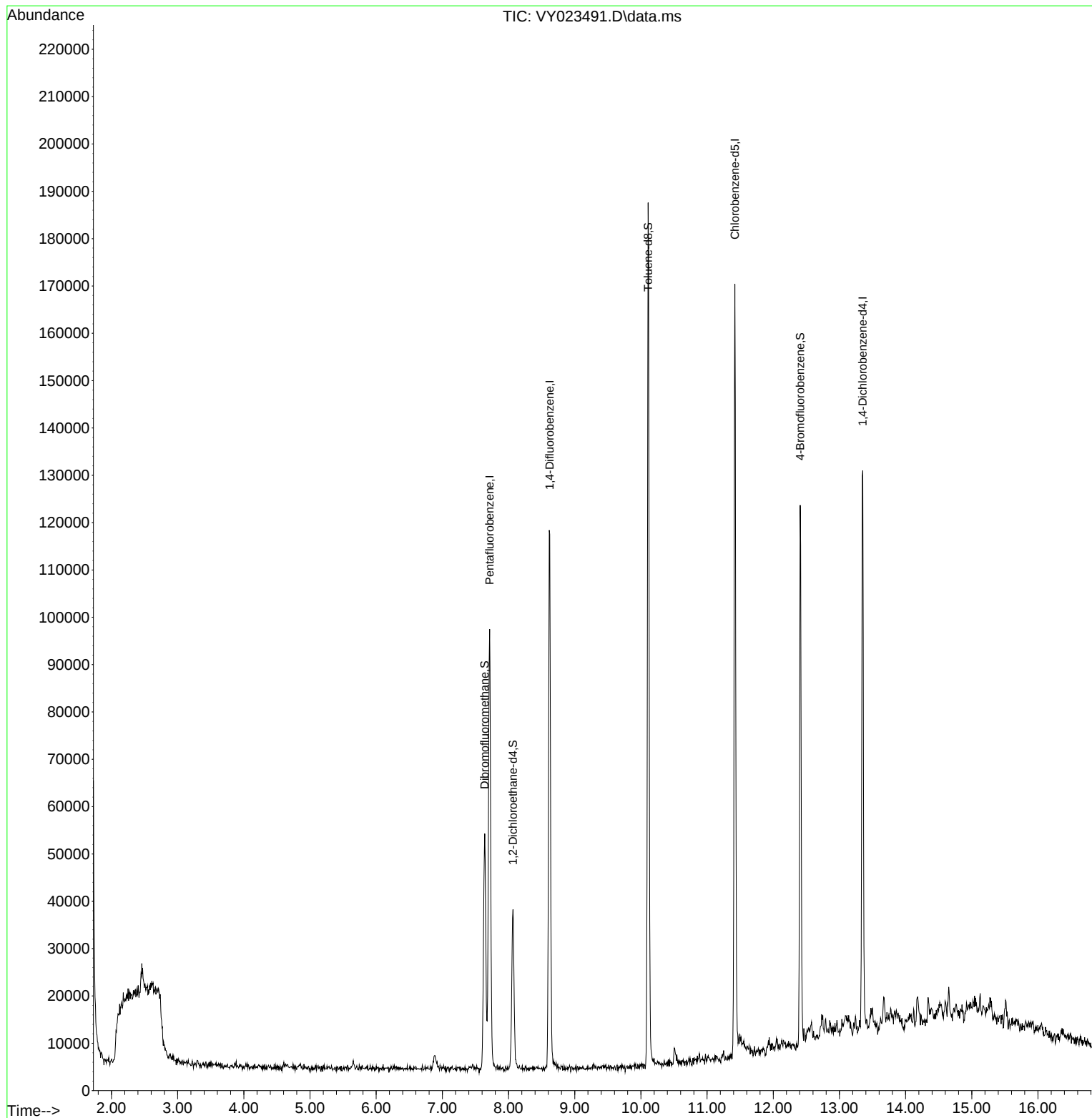
Target Compounds	Qvalue

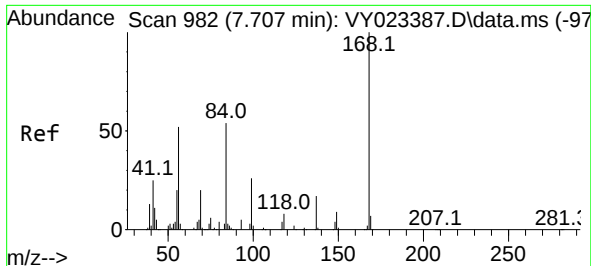
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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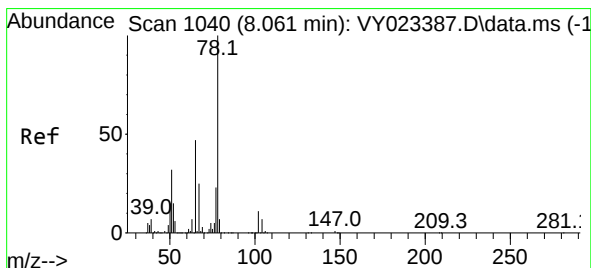
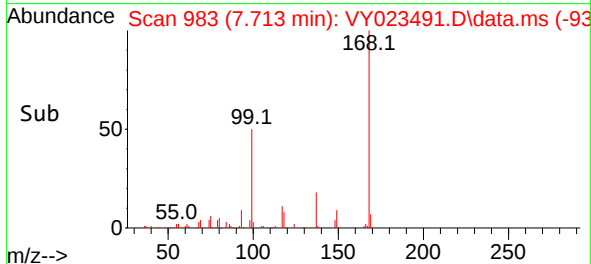
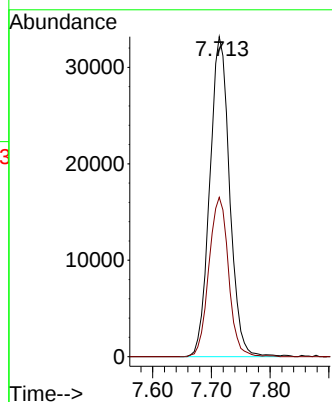
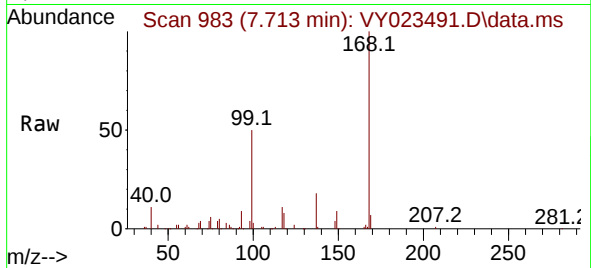




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

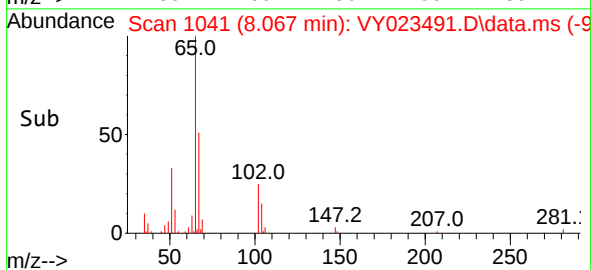
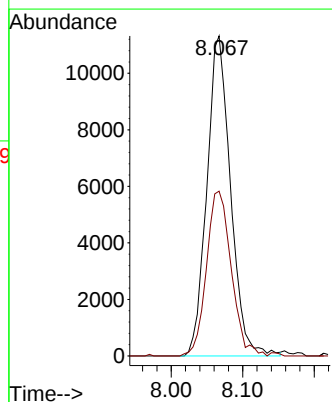
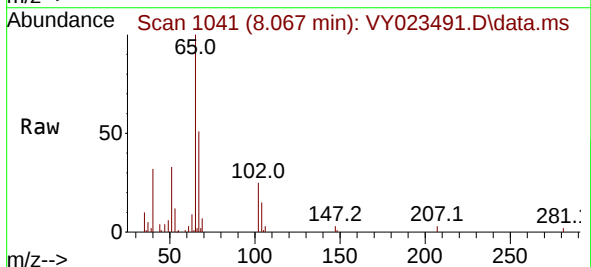
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-101625

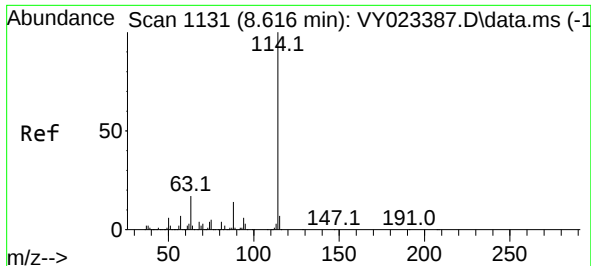
Tgt Ion:168 Resp: 77735
Ion Ratio Lower Upper
168 100
99 49.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 40.132 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

Tgt Ion: 65 Resp: 26087
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8

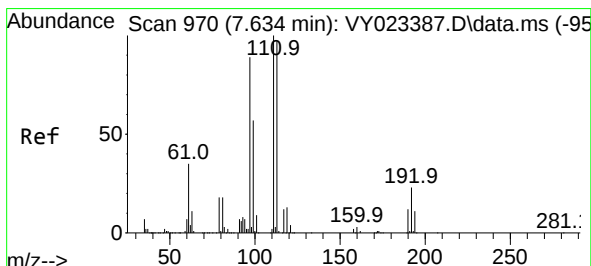
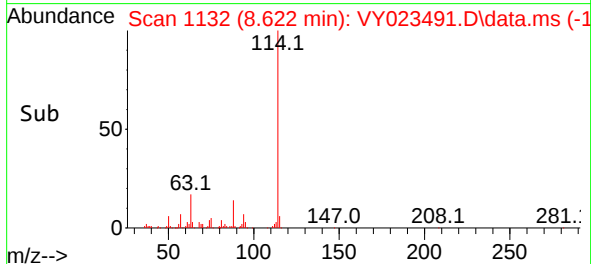
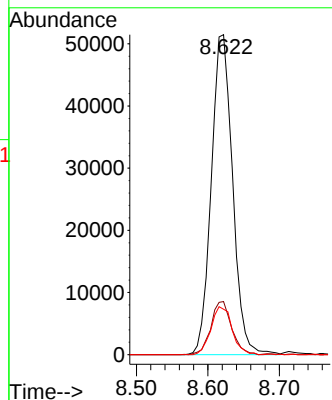
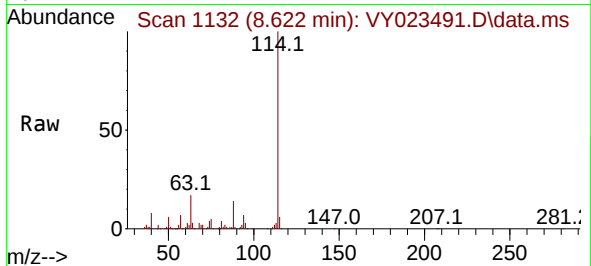




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

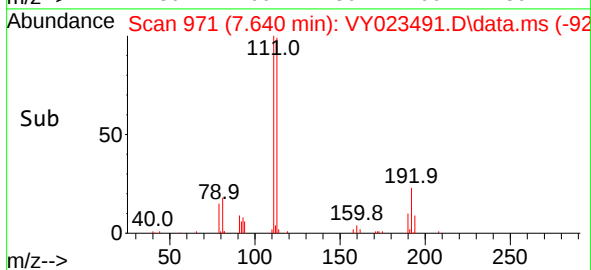
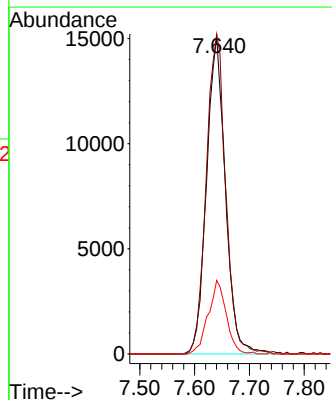
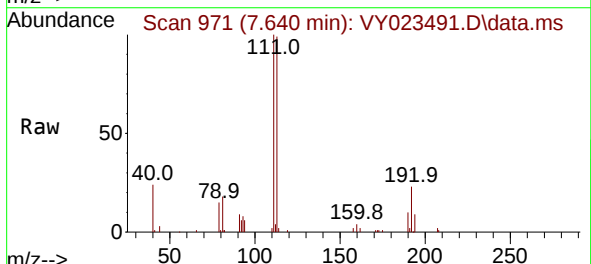
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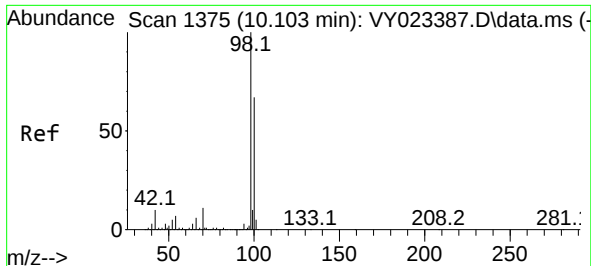
Tgt Ion:114 Resp: 106538
Ion Ratio Lower Upper
114 100
63 16.6 0.0 34.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 54.934 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

Tgt Ion:113 Resp: 35961
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.6
192 22.3 18.0 27.0

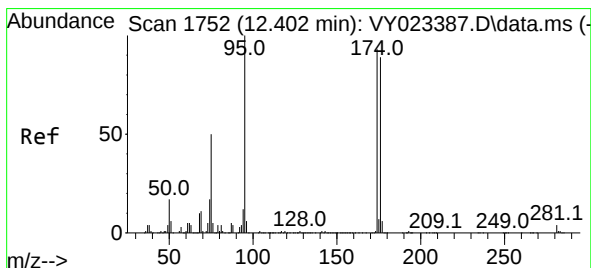
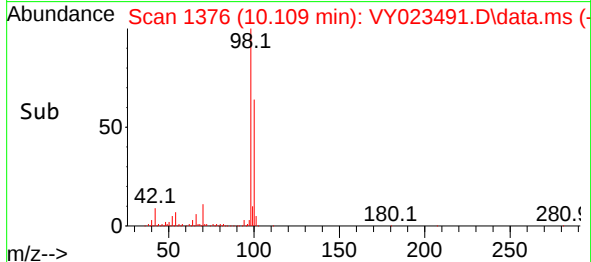
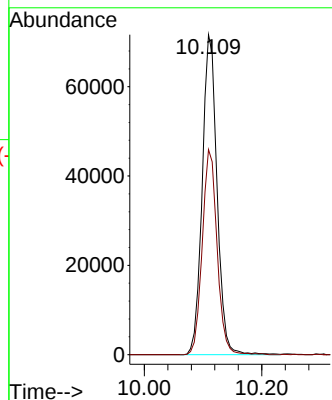
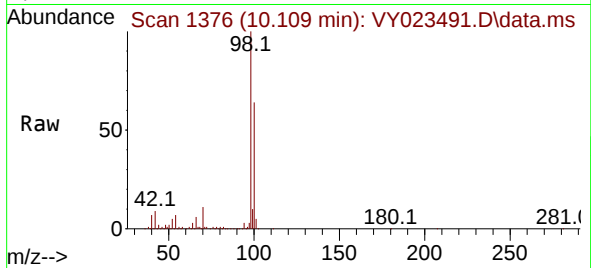




#50
Toluene-d8
Concen: 51.458 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

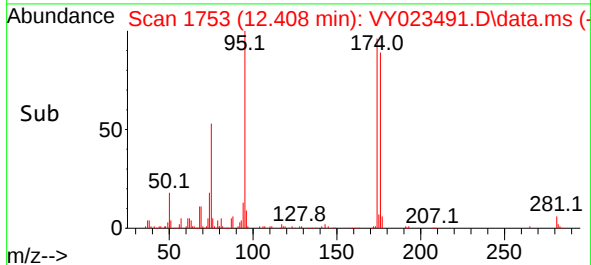
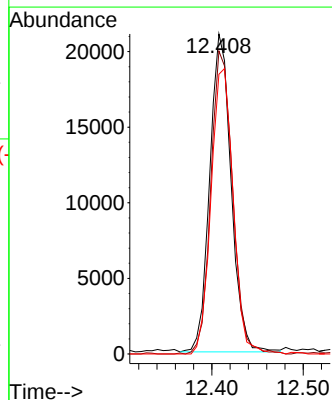
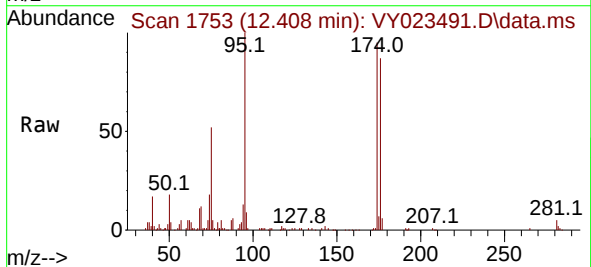
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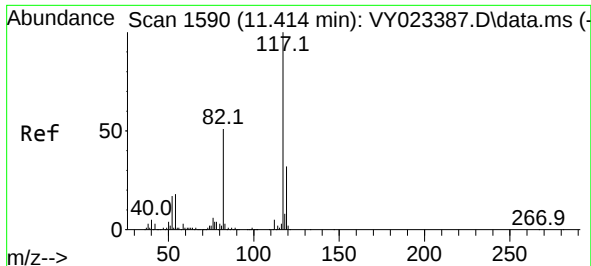
Tgt Ion: 98 Resp: 125450
Ion Ratio Lower Upper
98 100
100 64.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.424 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

Tgt Ion: 95 Resp: 34146
Ion Ratio Lower Upper
95 100
174 97.4 0.0 192.8
176 92.9 0.0 187.6

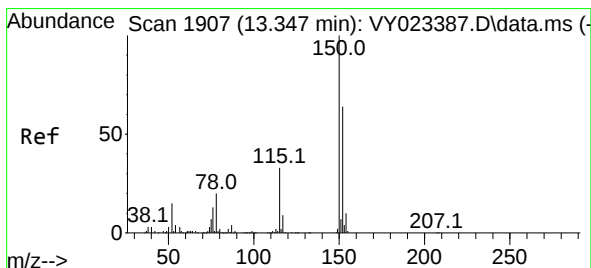
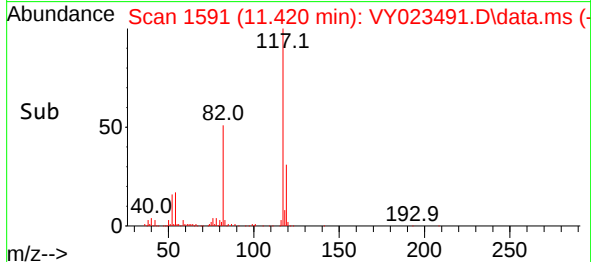
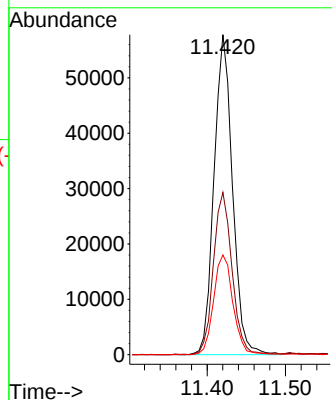
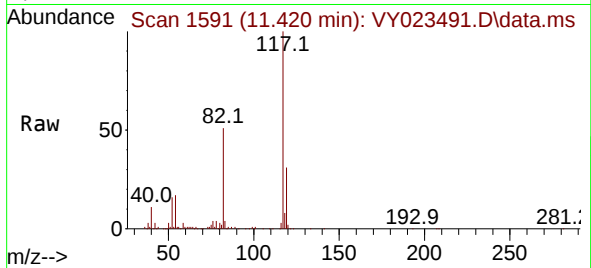




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-101625

Tgt Ion:117 Resp: 94565
Ion Ratio Lower Upper
117 100
82 50.6 41.0 61.4
119 31.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023491.D
Acq: 16 Oct 2025 15:40

Tgt Ion:152 Resp: 33991
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.2
150 155.0 0.0 347.4

