

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023451.D
 Acq On : 13 Oct 2025 10:57
 Operator : SY/MD
 Sample : Q3332-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 100225-D

Quant Time: Oct 14 04:17:12 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	371715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	672615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	653152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	251569	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	178253	57.347	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.700%
35) Dibromofluoromethane	7.640	113	229686	55.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.160%
50) Toluene-d8	10.109	98	778876	50.605	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.200%
62) 4-Bromofluorobenzene	12.407	95	246382	48.487	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.980%

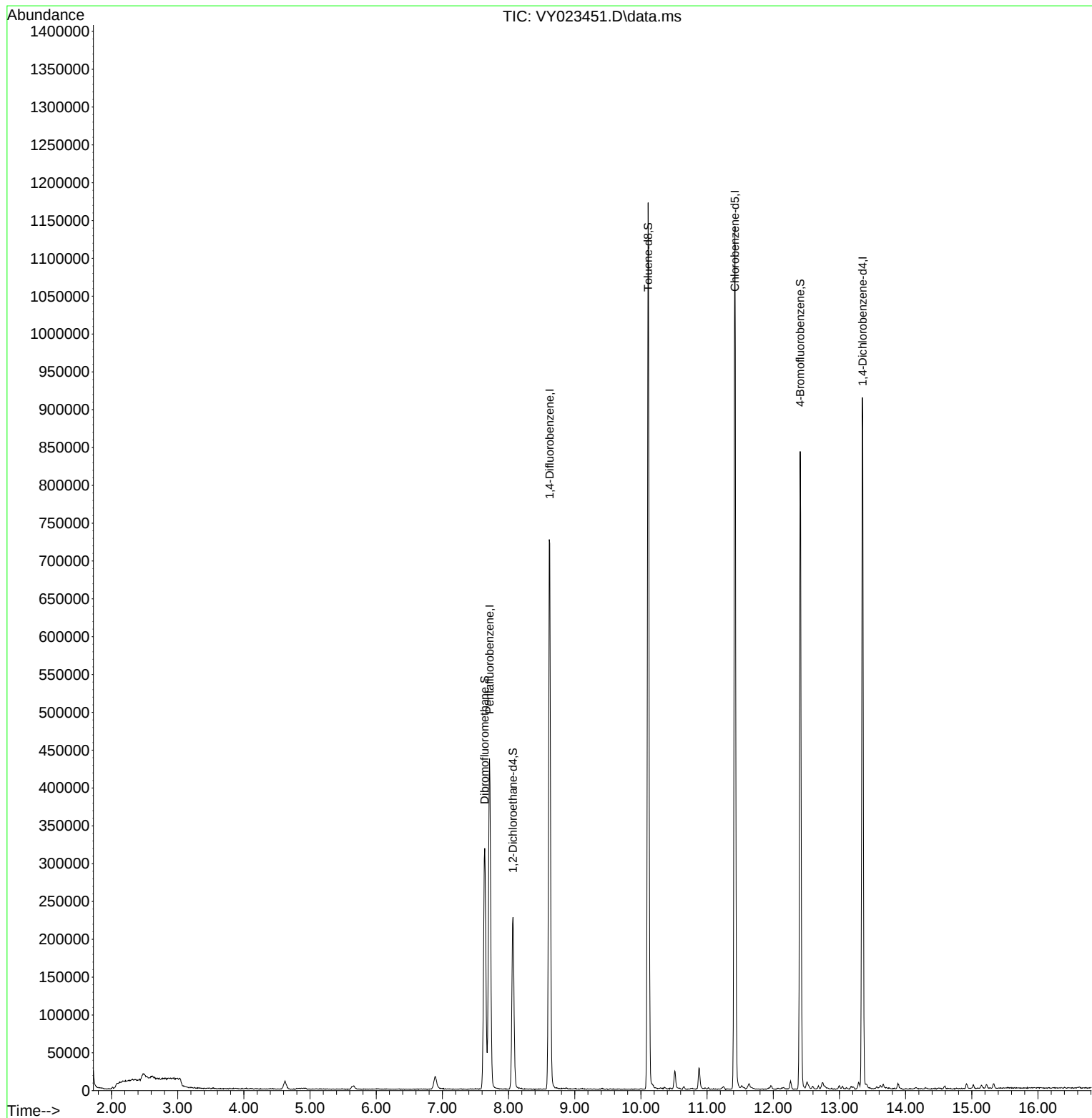
Target Compounds	Qvalue

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

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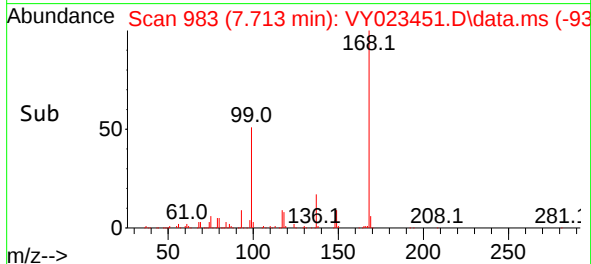
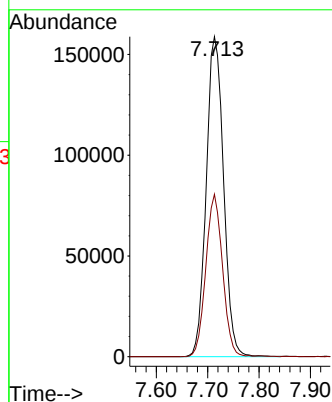
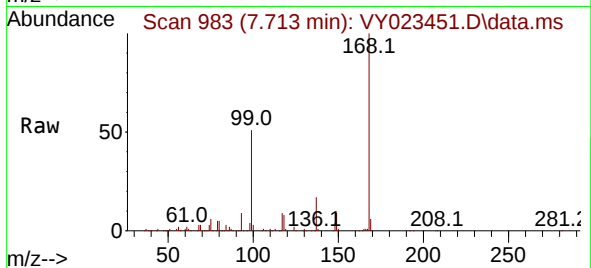




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

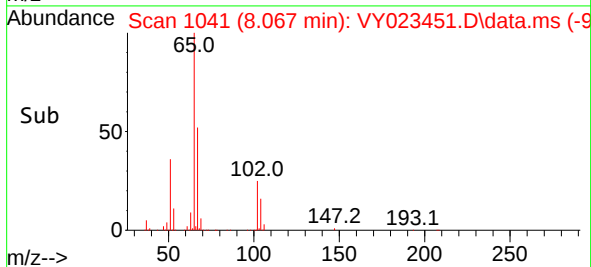
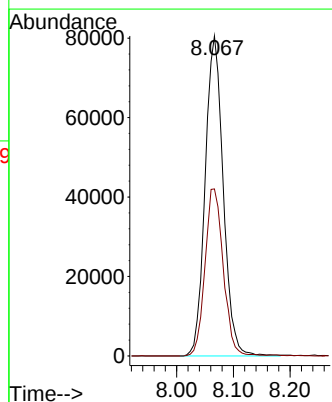
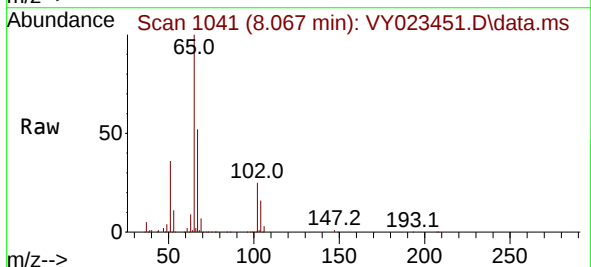
Instrument :
MSVOA_Y
ClientSampleId :
100225-D

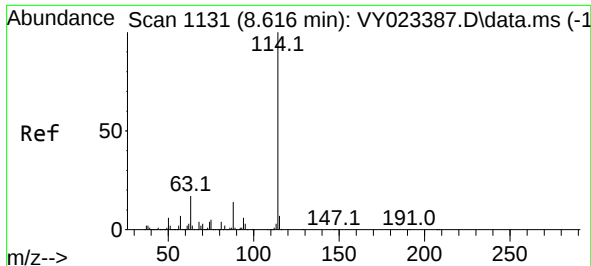
Tgt Ion:168 Resp: 371715
Ion Ratio Lower Upper
168 100
99 50.7 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 57.347 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion: 65 Resp: 178253
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

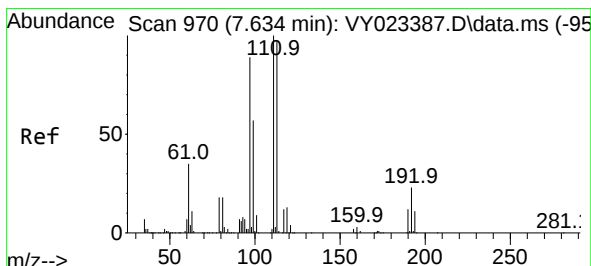
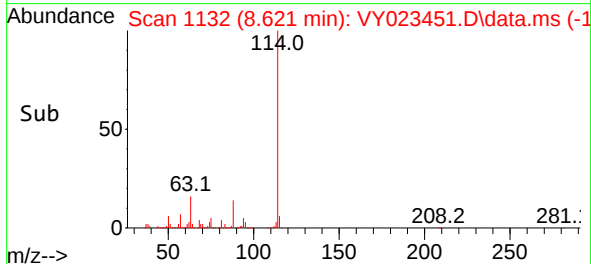
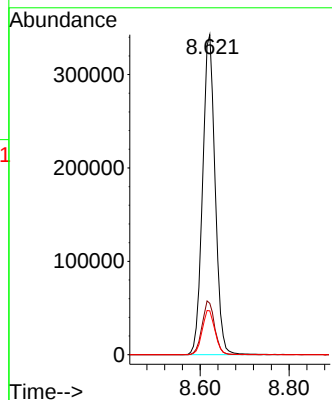
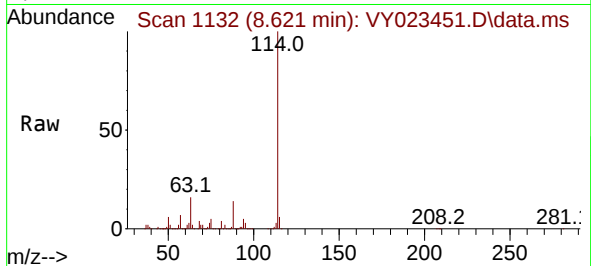




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

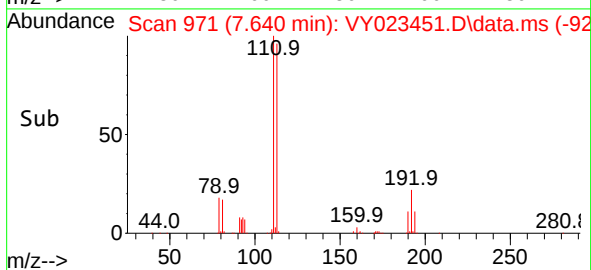
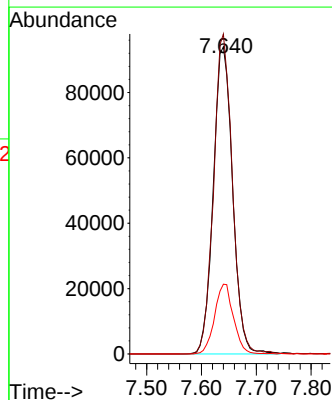
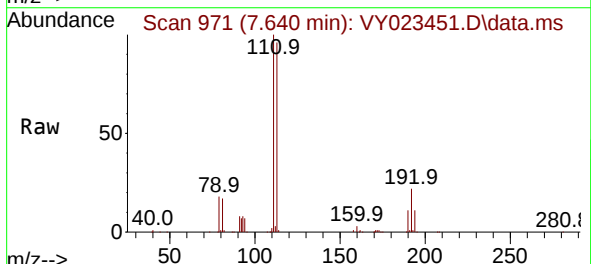
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ClientSampleId :
100225-D

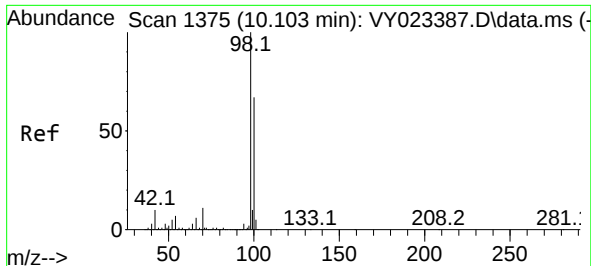
Tgt Ion:114 Resp: 672615
Ion Ratio Lower Upper
114 100
63 16.1 0.0 34.2
88 13.7 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.575 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion:113 Resp: 229686
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 22.2 18.0 27.0

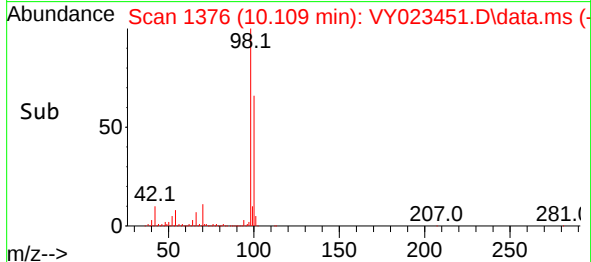
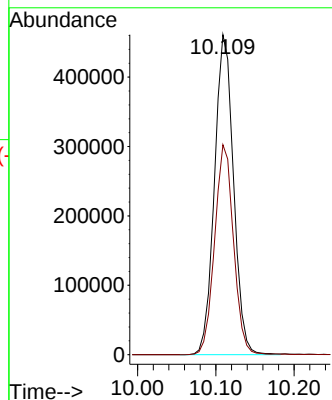
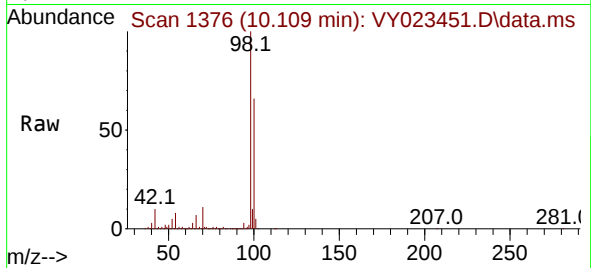




#50
Toluene-d8
Concen: 50.605 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

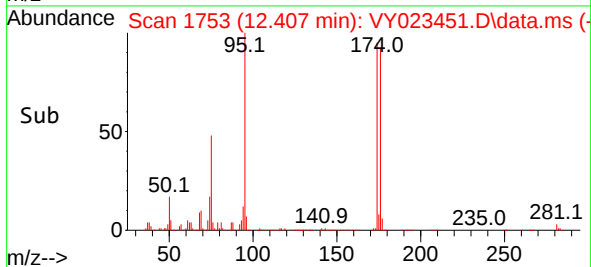
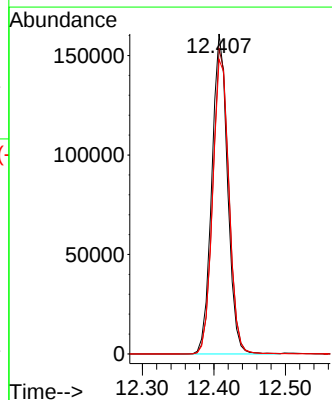
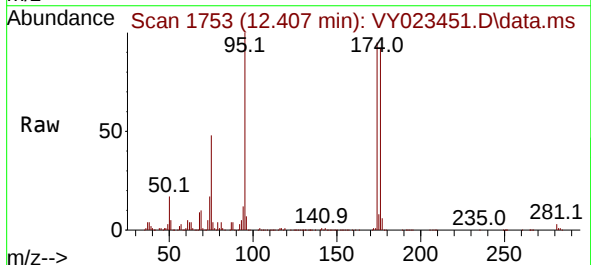
Instrument :
MSVOA_Y
ClientSampleId :
100225-D

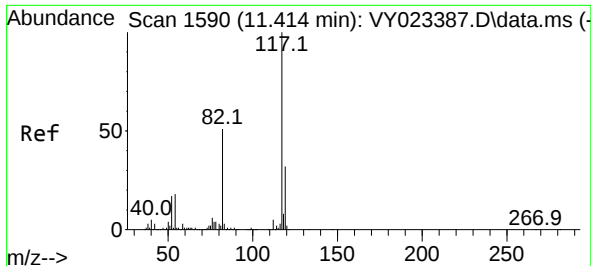
Tgt Ion: 98 Resp: 778876
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.487 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion: 95 Resp: 246382
Ion Ratio Lower Upper
95 100
174 97.1 0.0 192.8
176 95.0 0.0 187.6

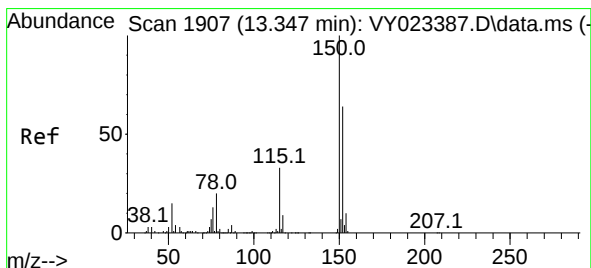
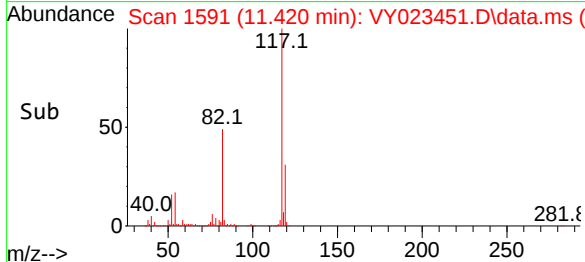
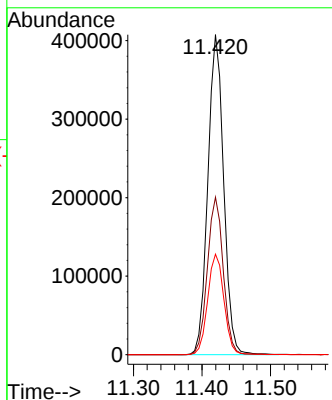
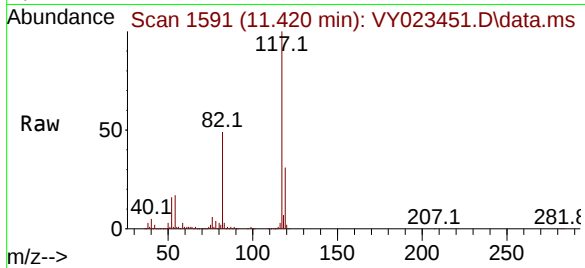




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
100225-D

Tgt Ion:117 Resp: 653152
Ion Ratio Lower Upper
117 100
82 49.2 41.0 61.4
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023451.D
Acq: 13 Oct 2025 10:57

Tgt Ion:152 Resp: 251569
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.2
150 159.0 0.0 347.4

