

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023512.D
 Acq On : 20 Oct 2025 16:33
 Operator : SY/MD
 Sample : Q3381-03
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-245

Quant Time: Oct 21 04:01:15 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	689064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1179609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1005959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	403788	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	345044	59.882	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.760%
35) Dibromofluoromethane	7.634	113	388514	53.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.200%
50) Toluene-d8	10.109	98	1342516	49.736	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.480%
62) 4-Bromofluorobenzene	12.408	95	365583	41.023	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.040%

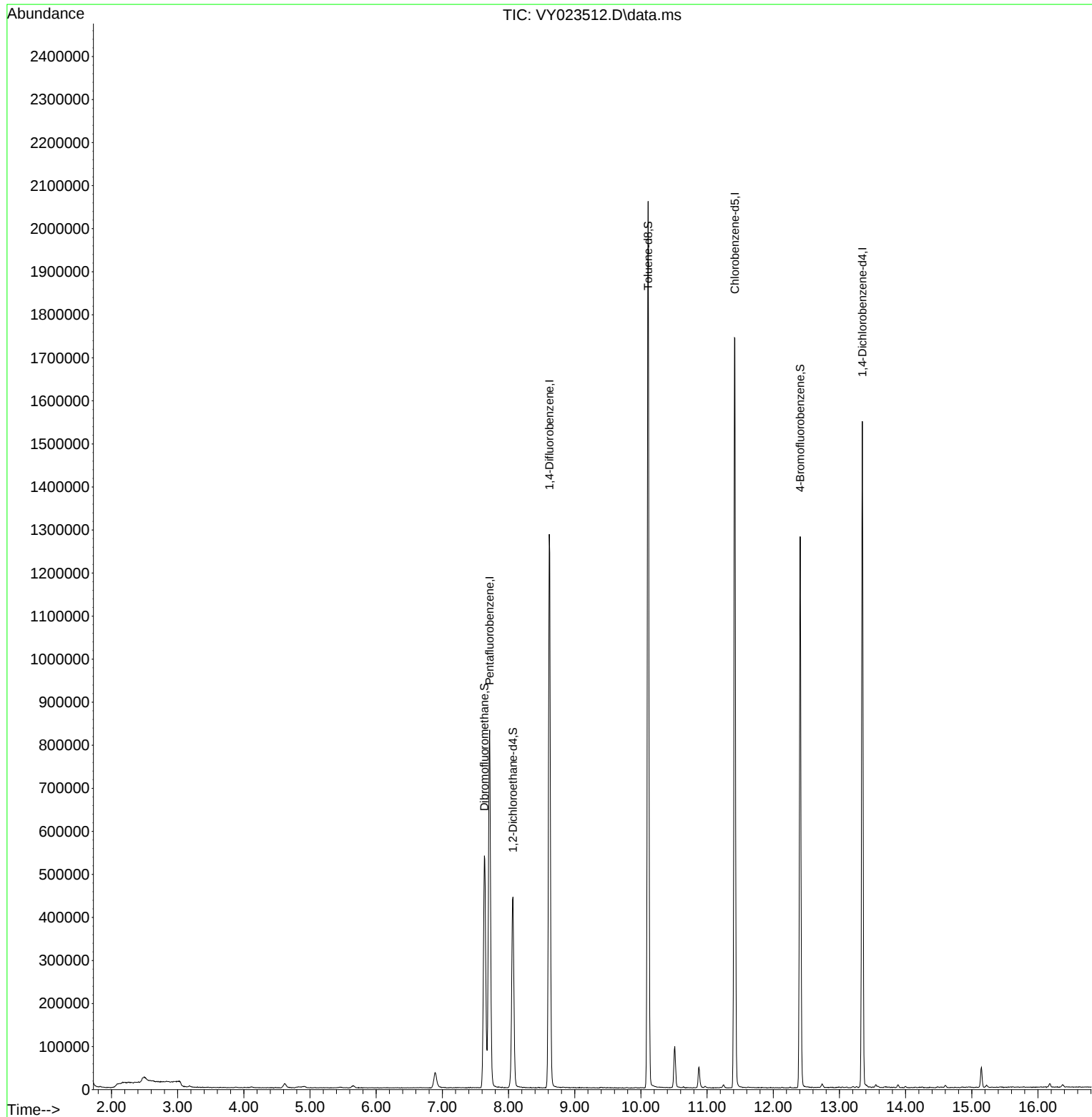
Target Compounds	Qvalue

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

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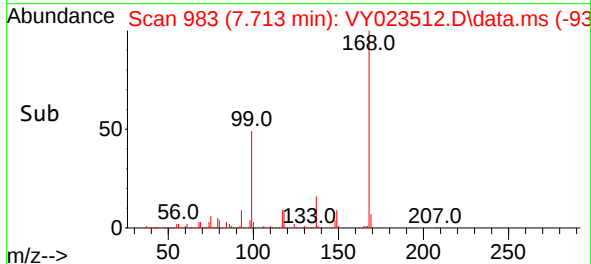
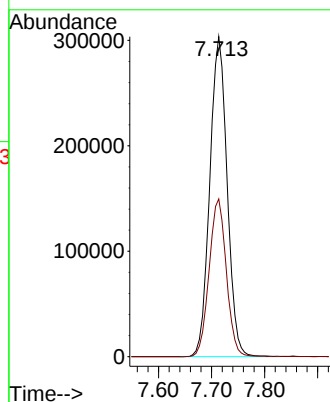
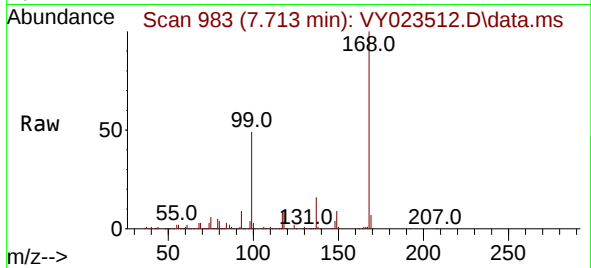




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

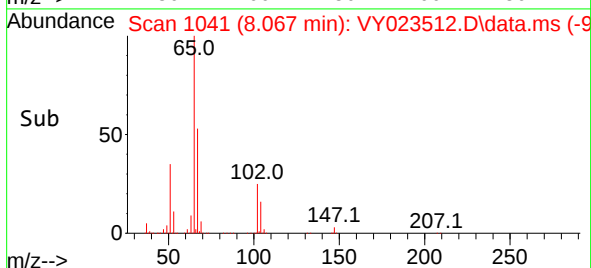
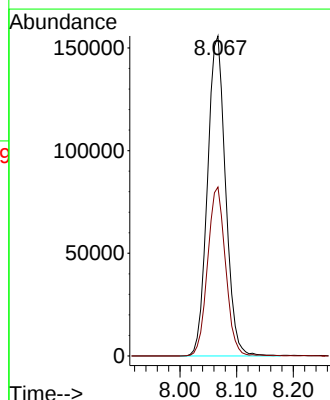
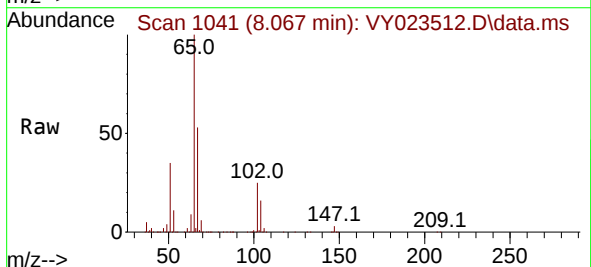
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

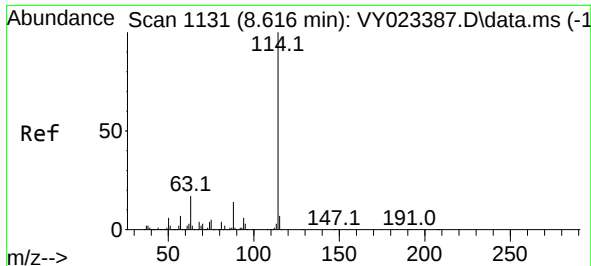
Tgt Ion:168 Resp: 689064
Ion Ratio Lower Upper
168 100
99 49.3 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 59.882 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

Tgt Ion: 65 Resp: 345044
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

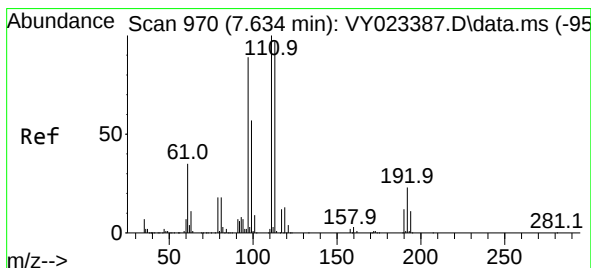
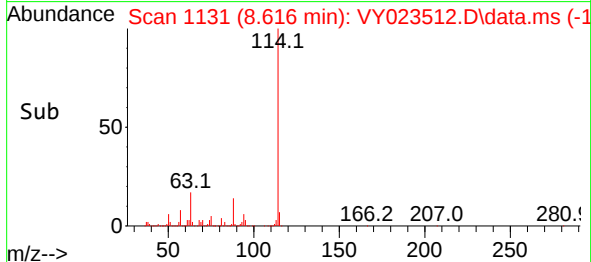
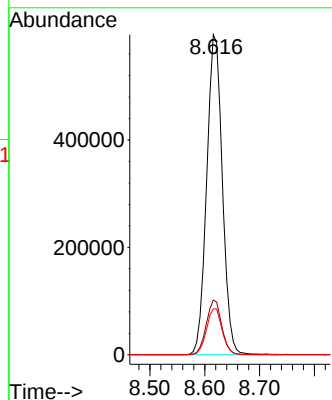
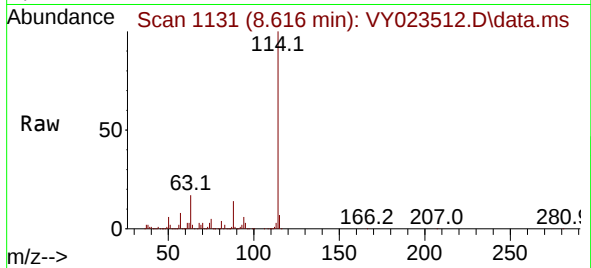




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

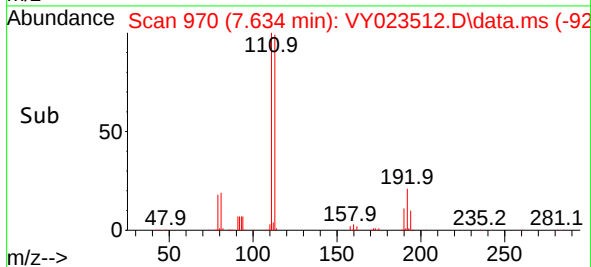
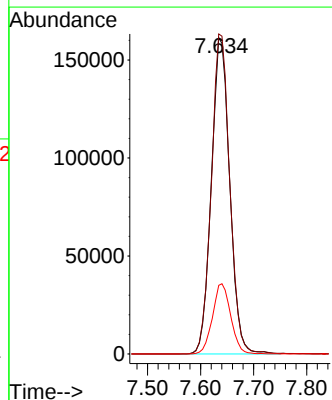
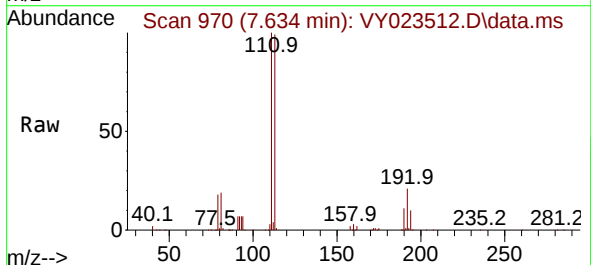
Instrument :
MSVOA_Y
ClientSampleId :
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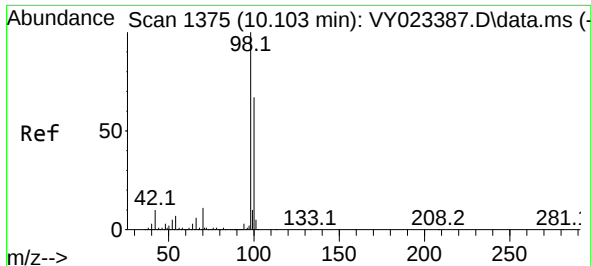
Tgt Ion:114 Resp: 1179609
Ion Ratio Lower Upper
114 100
63 17.1 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 53.602 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

Tgt Ion:113 Resp: 388514
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 22.1 18.0 27.0

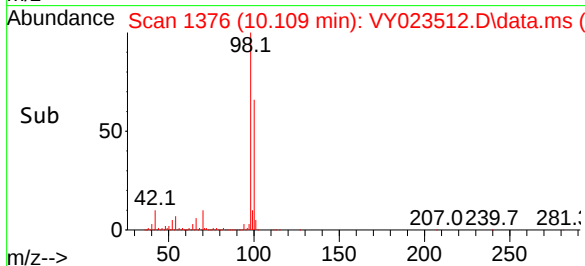
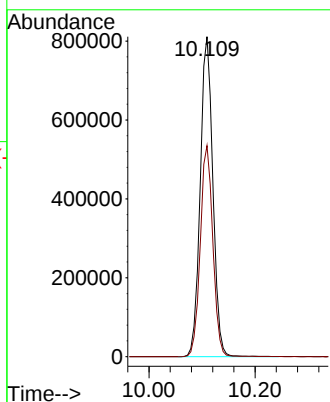
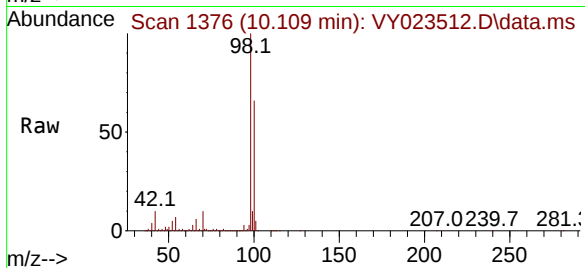




#50
Toluene-d8
Concen: 49.736 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

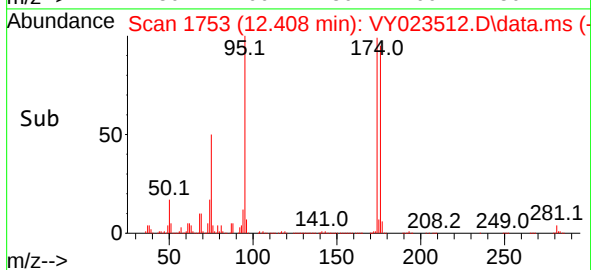
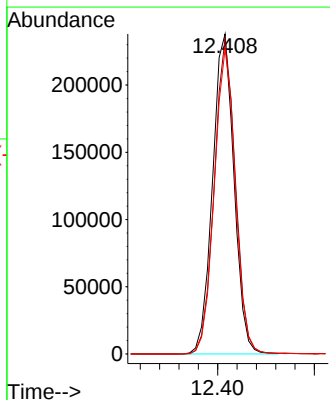
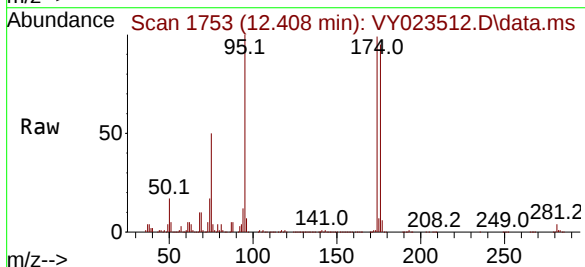
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

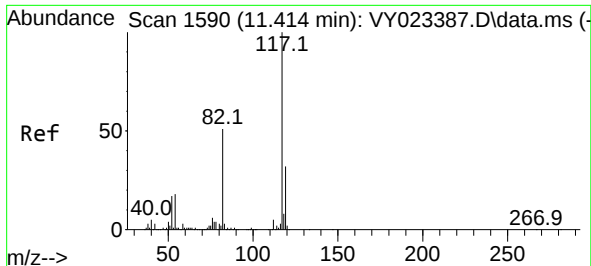
Tgt Ion: 98 Resp: 1342516
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.023 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

Tgt Ion: 95 Resp: 365583
Ion Ratio Lower Upper
95 100
174 97.1 0.0 192.8
176 93.9 0.0 187.6

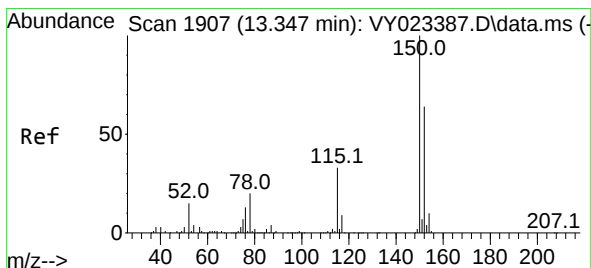
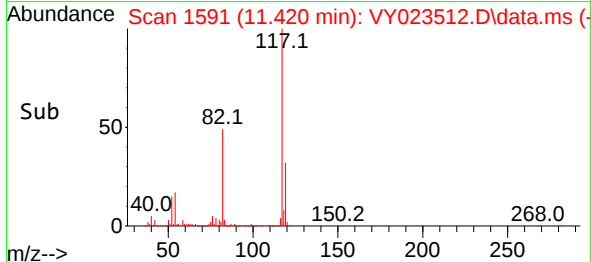
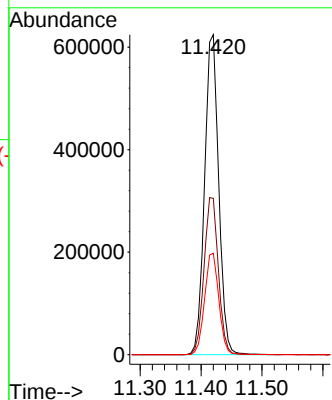
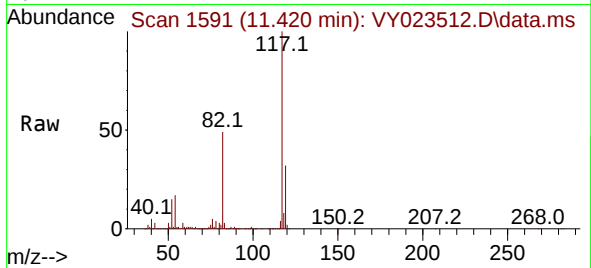




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

Tgt Ion:117 Resp: 1005959
Ion Ratio Lower Upper
117 100
82 48.9 41.0 61.4
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023512.D
Acq: 20 Oct 2025 16:33

Tgt Ion:152 Resp: 403788
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.2
150 157.4 0.0 347.4

