

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022644.D
 Acq On : 10 Jun 2025 12:45
 Operator : SY/MD
 Sample : Q2273-03
 Misc : 4.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Jun 11 01:50:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	247239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	466992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129790	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	138474	50.077	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.160%
35) Dibromofluoromethane	7.634	113	142222	51.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.040%
50) Toluene-d8	10.109	98	565585	50.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.401	95	135632	40.418	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.840%

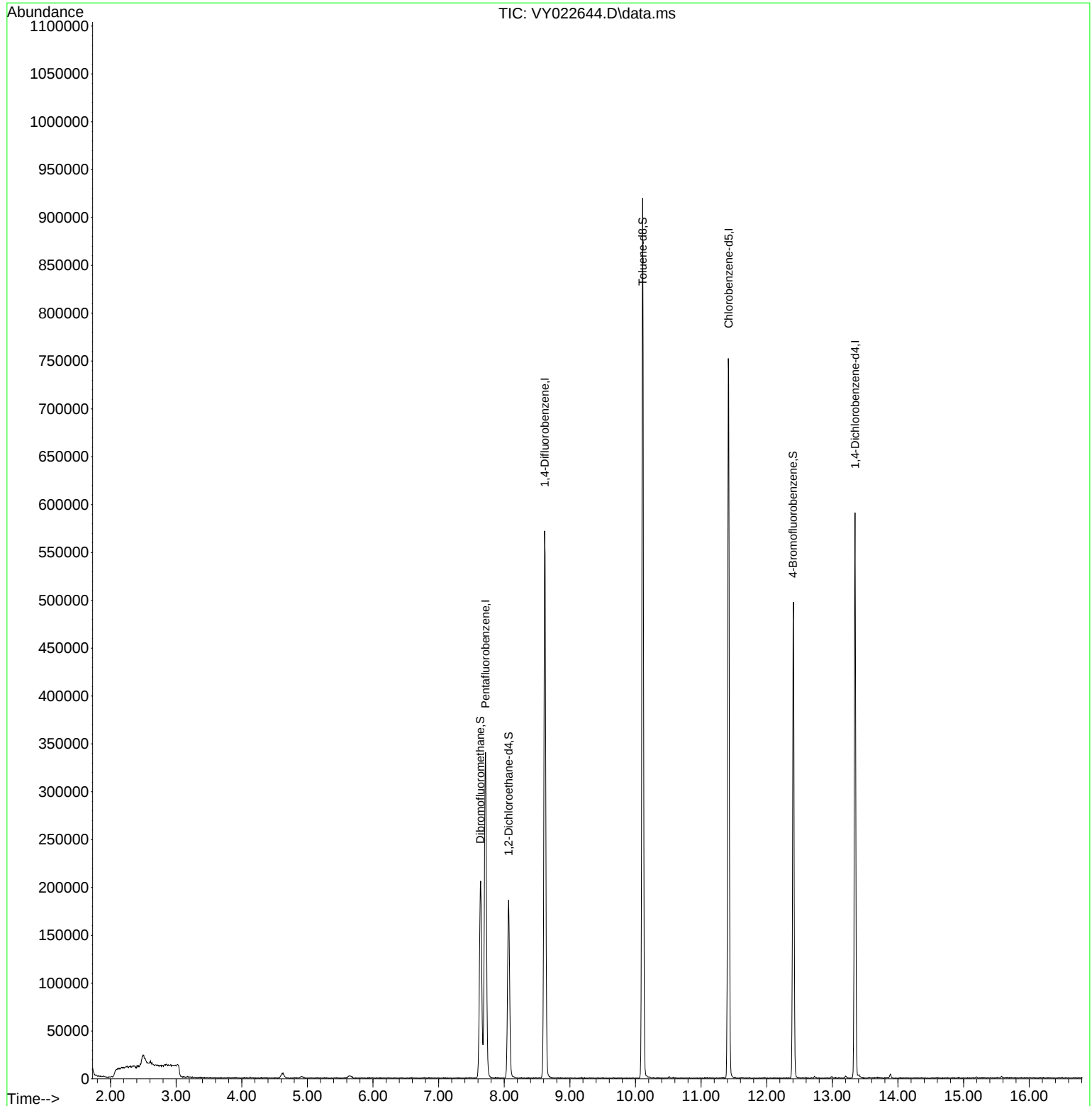
Target Compounds	Qvalue

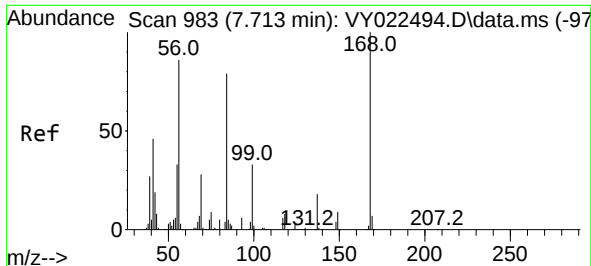
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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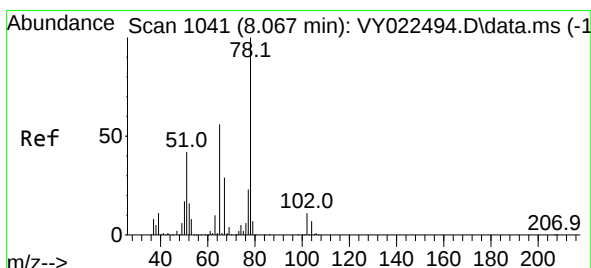
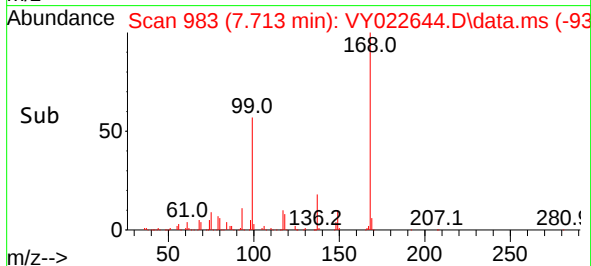
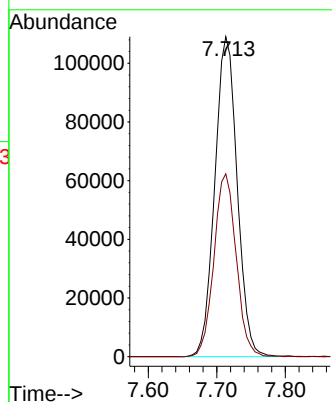
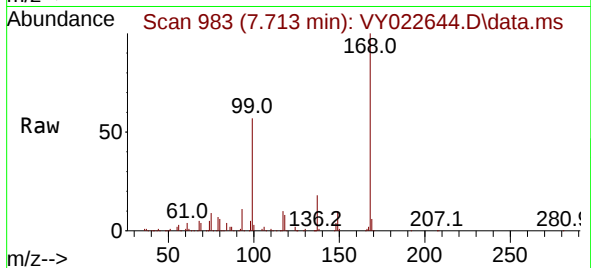




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

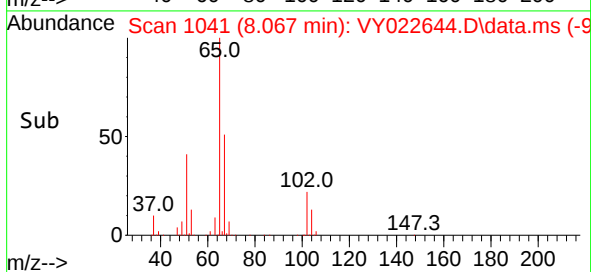
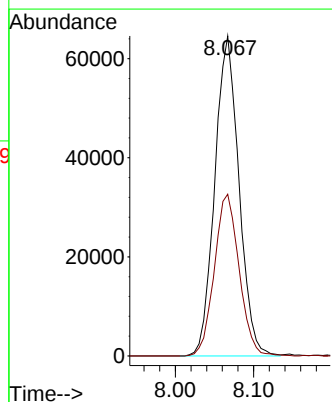
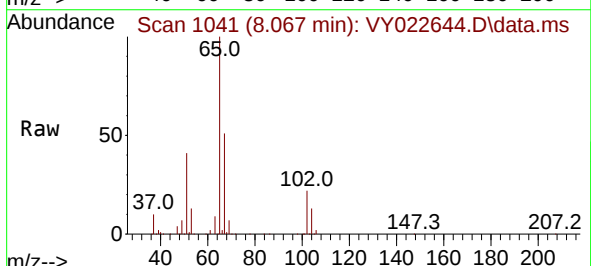
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

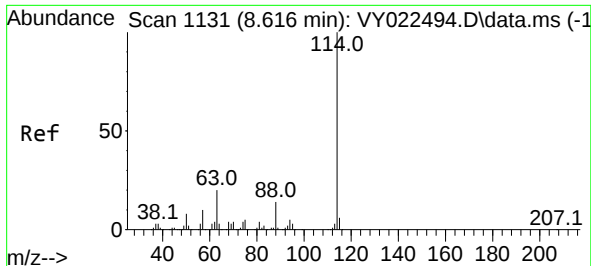
Tgt Ion:168 Resp: 247239
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.077 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion: 65 Resp: 138474
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

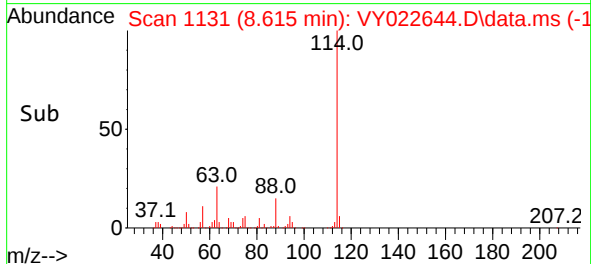
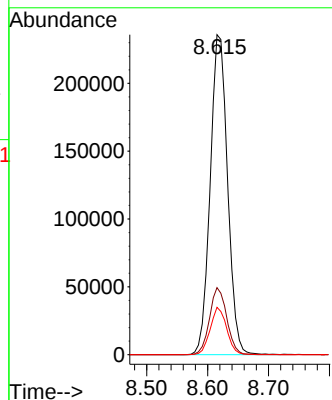
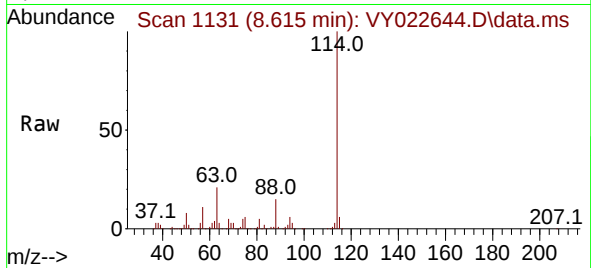




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

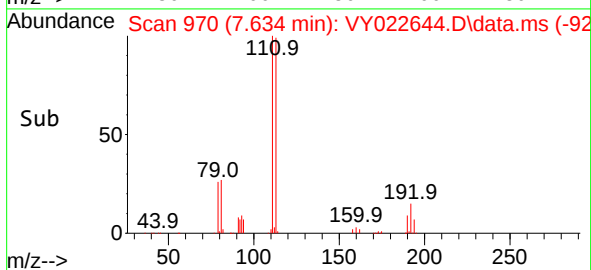
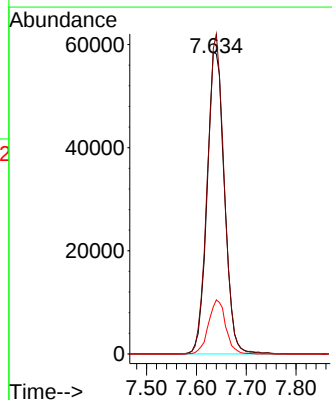
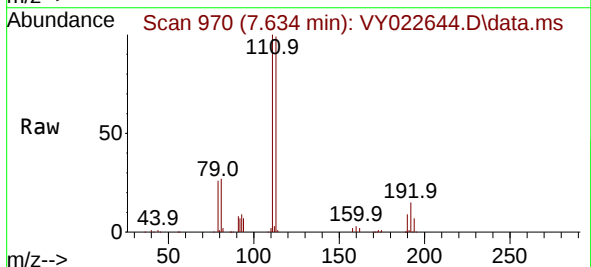
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion:114 Resp: 466992
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.024 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion:113 Resp: 142222
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 17.6 14.2 21.2

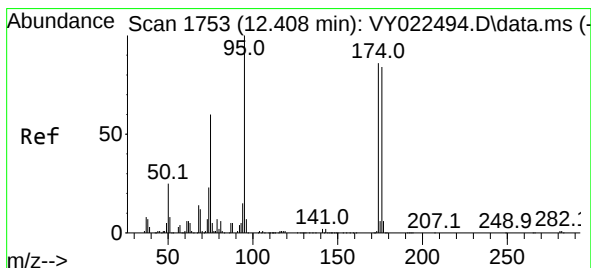
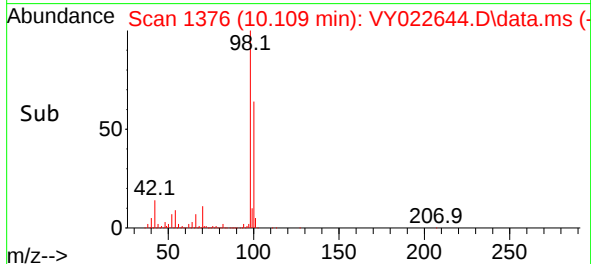
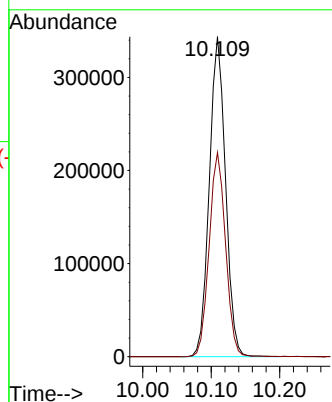
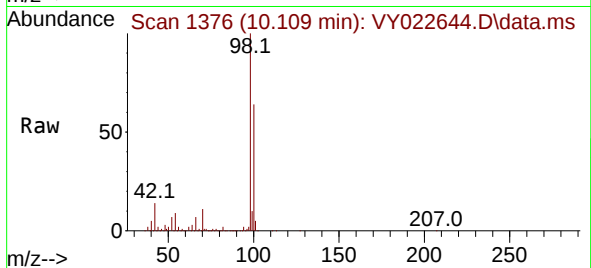




#50
Toluene-d8
Concen: 50.217 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

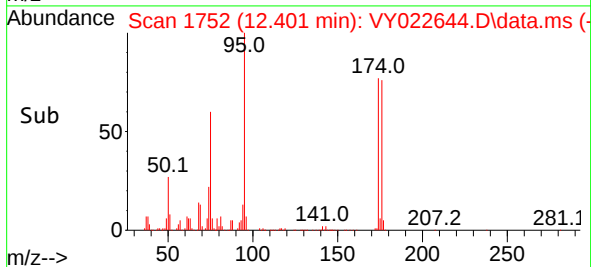
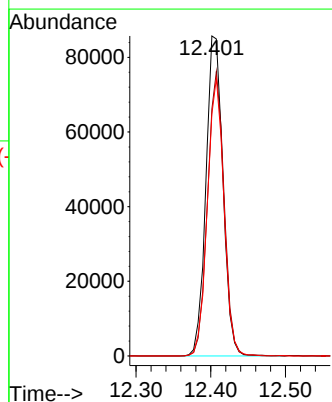
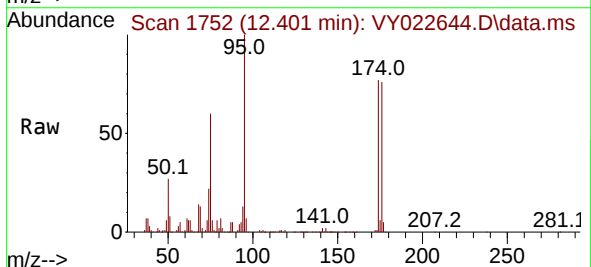
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

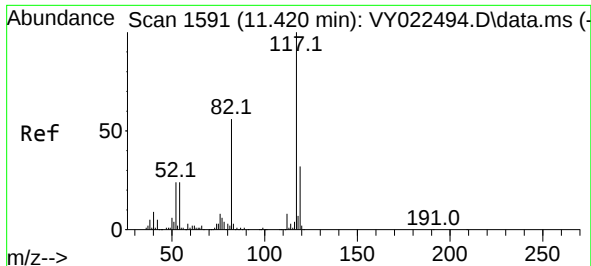
Tgt Ion: 98 Resp: 565585
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.418 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion: 95 Resp: 135632
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 84.0 0.0 166.2

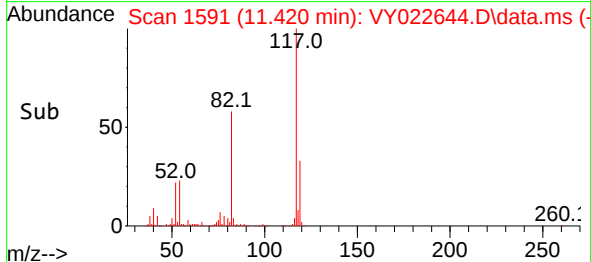
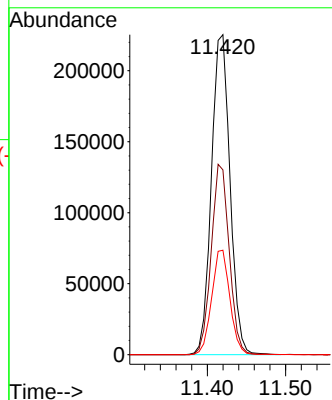
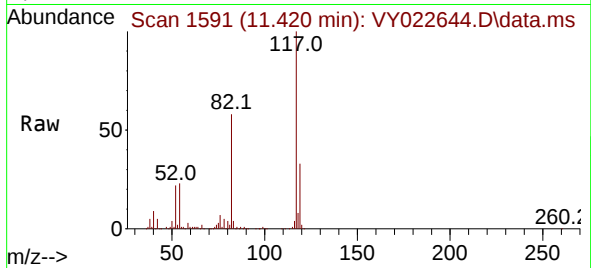




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion:117 Resp: 371941
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion:152 Resp: 129790
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.7
150 157.5 0.0 349.6

