

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023943.D
 Acq On : 11 Dec 2025 10:21
 Operator : SY/MD
 Sample : Q3831-01
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-12102025

Quant Time: Dec 12 03:19:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	608740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1016922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	866177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	373549	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	293472	54.527	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.060%
35) Dibromofluoromethane	7.640	113	321441	48.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.720%
50) Toluene-d8	10.109	98	1148846	46.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.840%
62) 4-Bromofluorobenzene	12.408	95	346177	41.884	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.760%

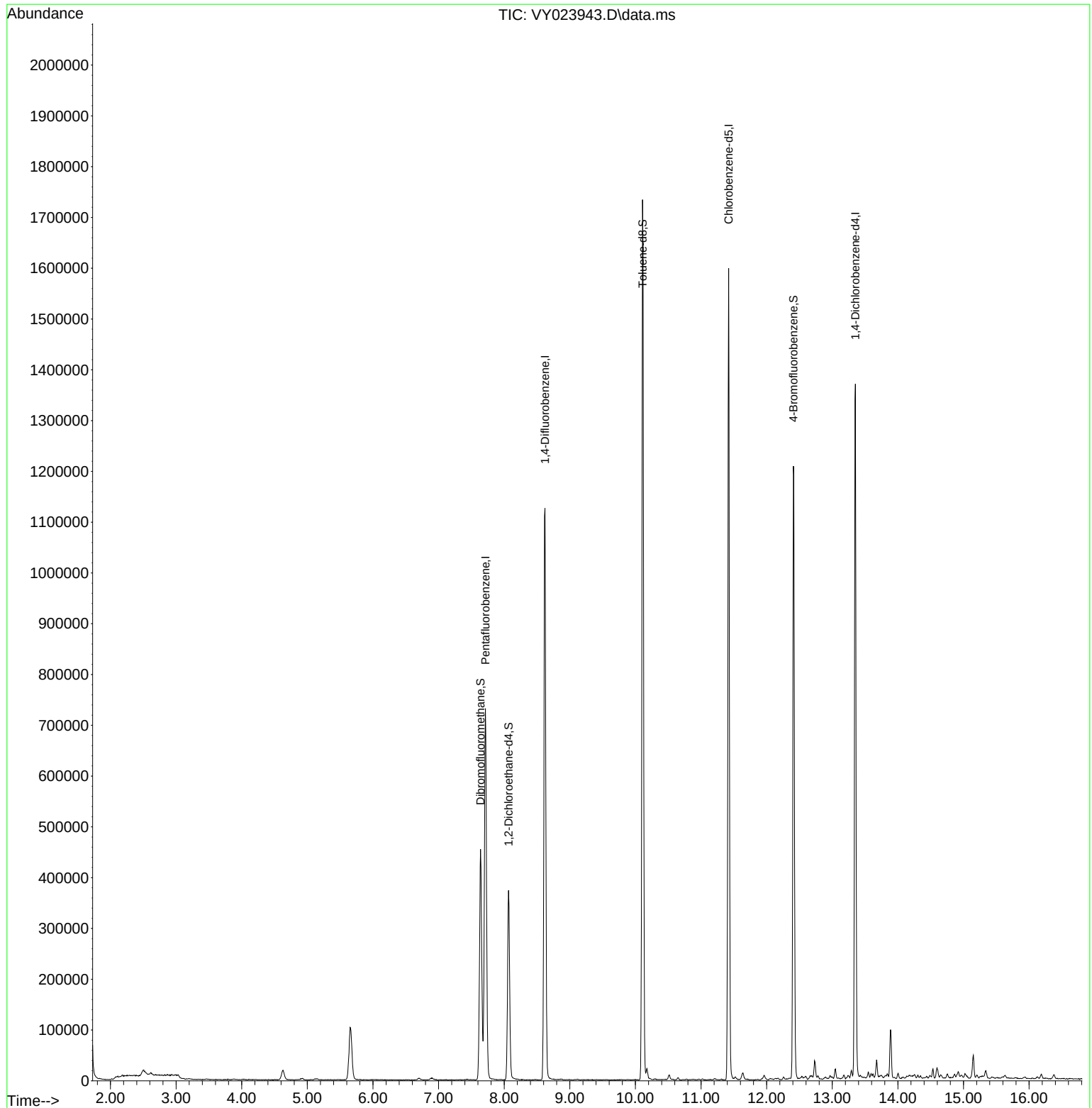
Target Compounds	Qvalue

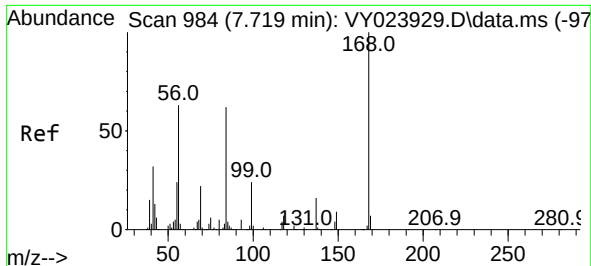
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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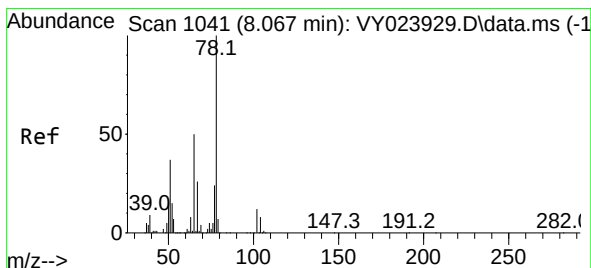
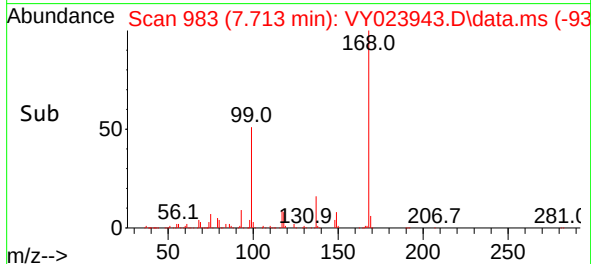
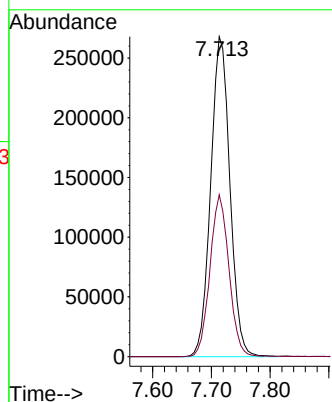
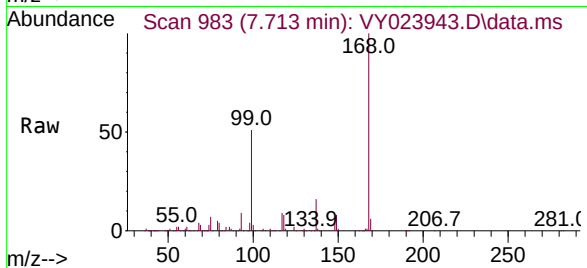




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 984
Delta R.T. -0.006 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

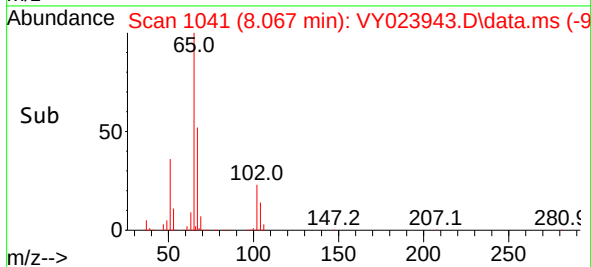
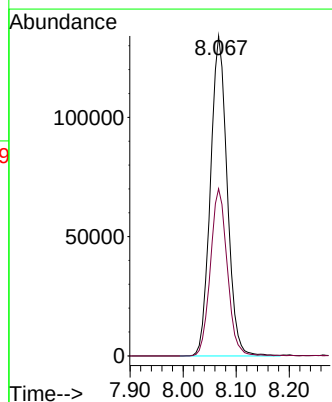
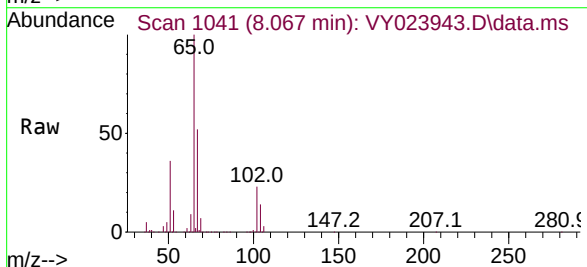
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

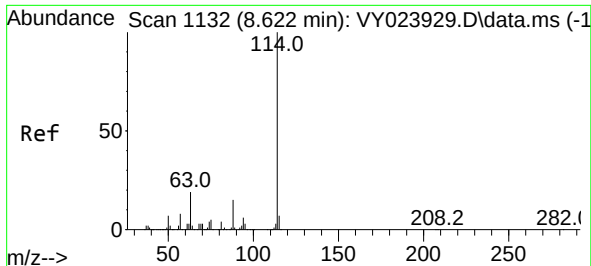
Tgt Ion:168 Resp: 608740
Ion Ratio Lower Upper
168 100
99 50.6 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 54.527 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion: 65 Resp: 293472
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2

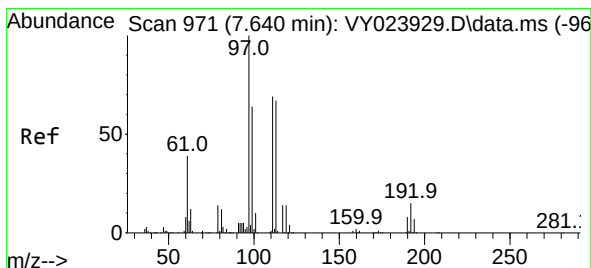
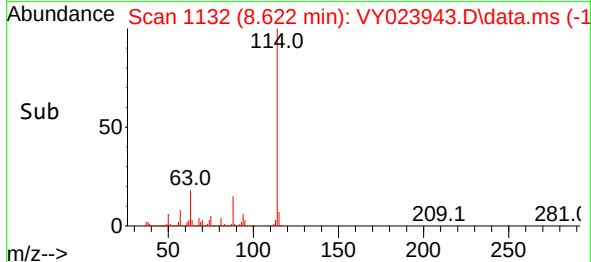
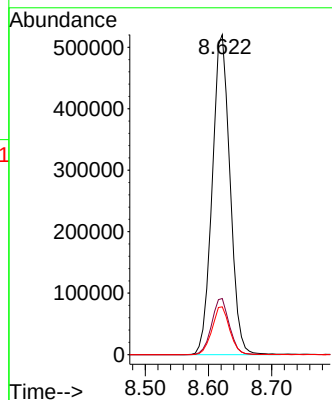
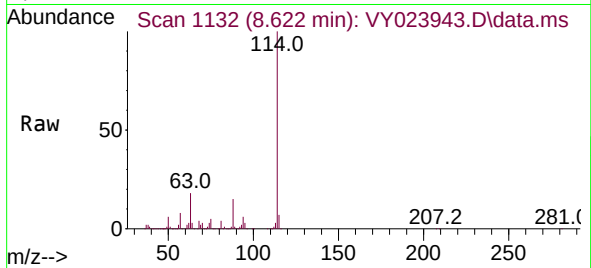




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

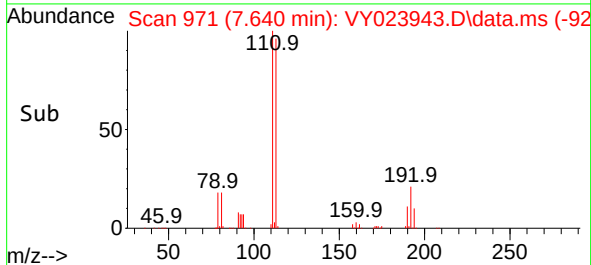
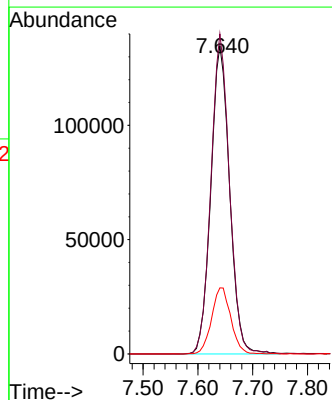
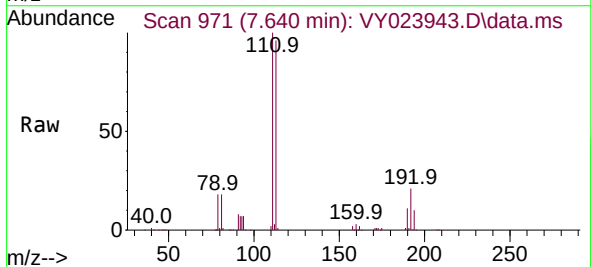
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

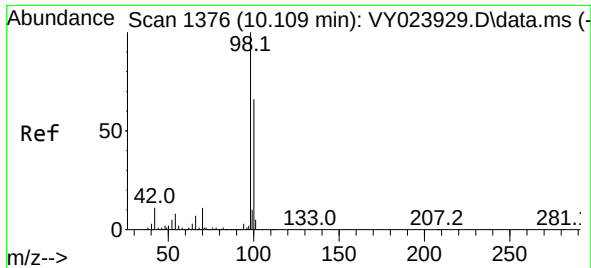
Tgt Ion:114 Resp: 1016922
Ion Ratio Lower Upper
114 100
63 17.5 0.0 37.2
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.355 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion:113 Resp: 321441
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 21.9 17.9 26.9

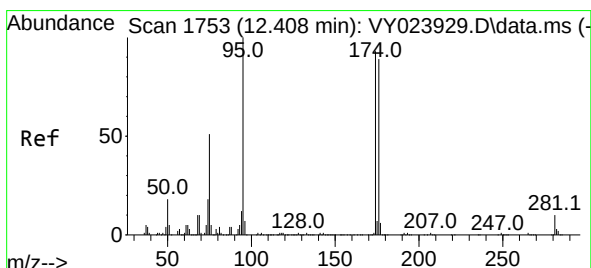
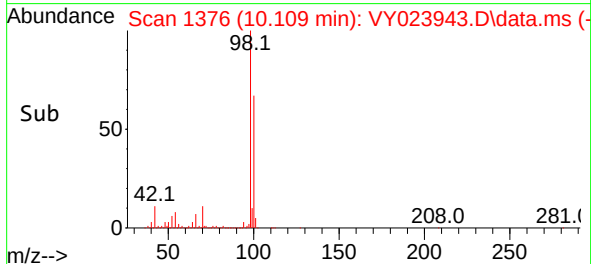
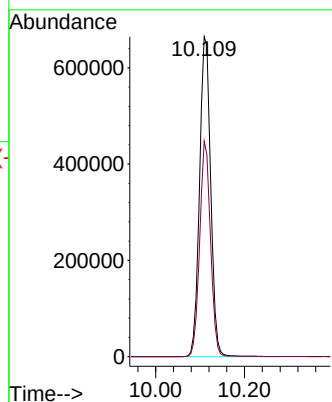
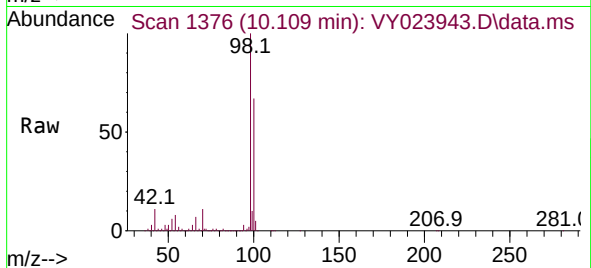




#50
Toluene-d8
Concen: 46.419 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

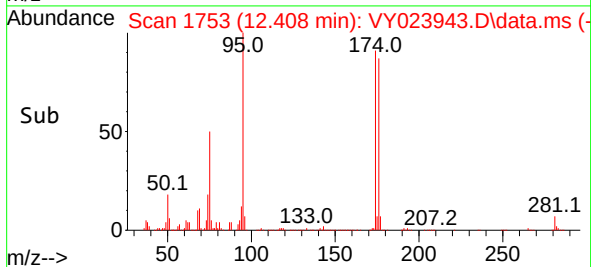
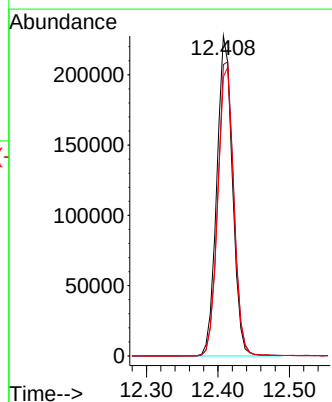
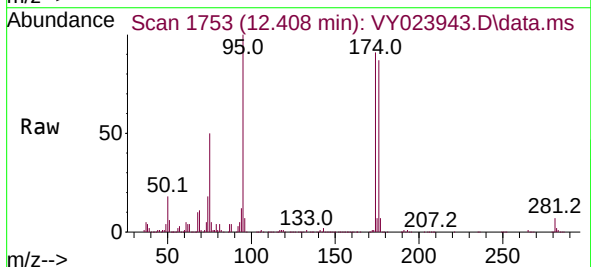
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-12102025

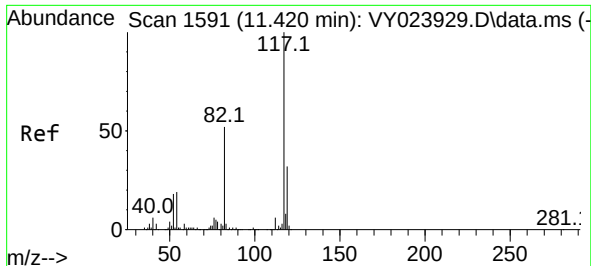
Tgt Ion: 98 Resp: 1148846
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.884 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023943.D
Acq: 11 Dec 2025 10:21

Tgt Ion: 95 Resp: 346177
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.4
176 91.8 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023943.D

Acq: 11 Dec 2025 10:21

Instrument :

MSVOA_Y

ClientSampleId :

PL-01-12102025

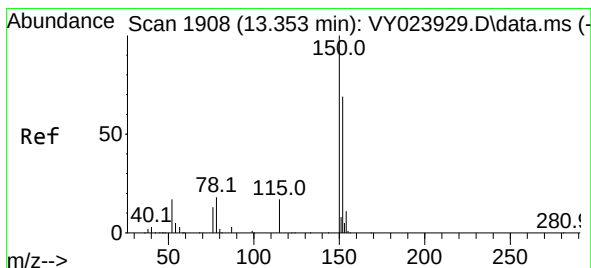
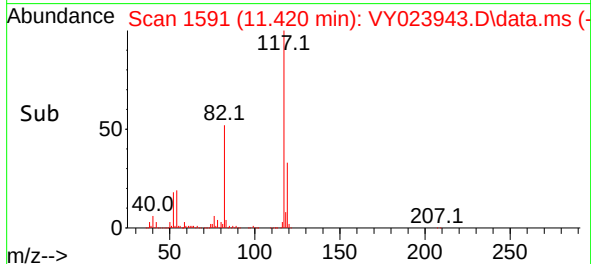
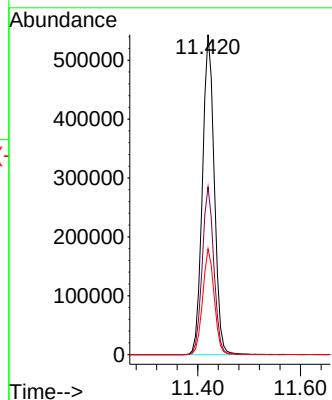
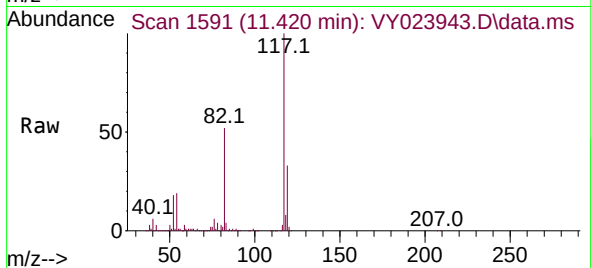
Tgt Ion:117 Resp: 866177

Ion Ratio Lower Upper

117 100

82 52.4 41.4 62.2

119 33.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY023943.D

Acq: 11 Dec 2025 10:21

Tgt Ion:152 Resp: 373549

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

150 156.6 0.0 347.6

