

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023906.D
 Acq On : 09 Dec 2025 14:19
 Operator : SY/MD
 Sample : Q3790-03RE
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 304 FURMAN SOILRE

Quant Time: Dec 10 02:27:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	10619	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.634	114	15625	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.426	117	7773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1424	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	5210	49.045	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.100%
35) Dibromofluoromethane	7.652	113	4396	43.866	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.740%
50) Toluene-d8	10.121	98	14270	36.592	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	73.180%
62) 4-Bromofluorobenzene	12.414	95	1644	12.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	24.720%#

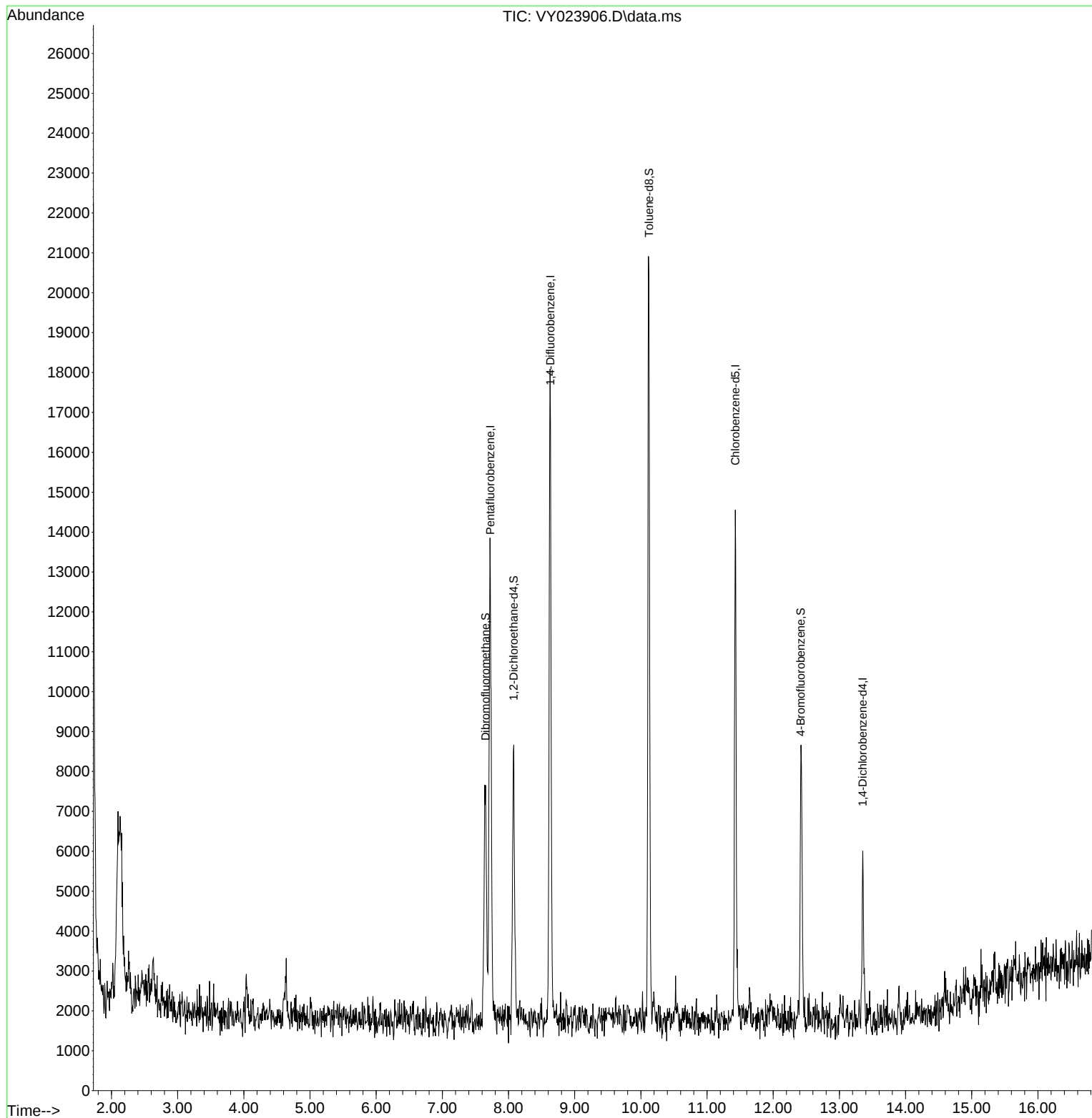
Target Compounds	Qvalue

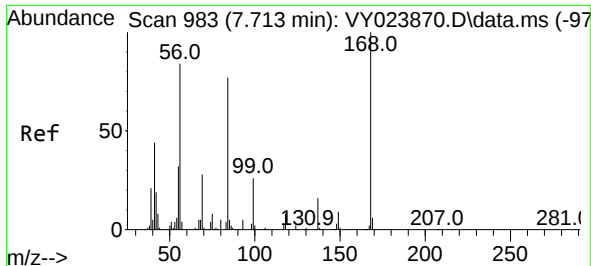
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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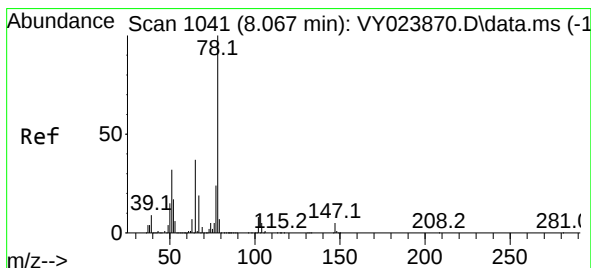
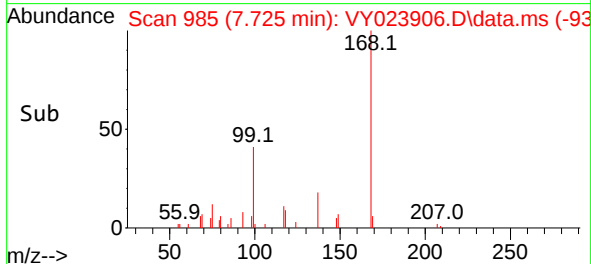
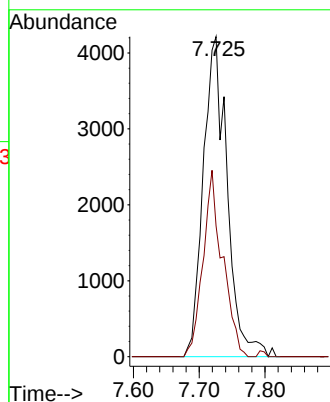
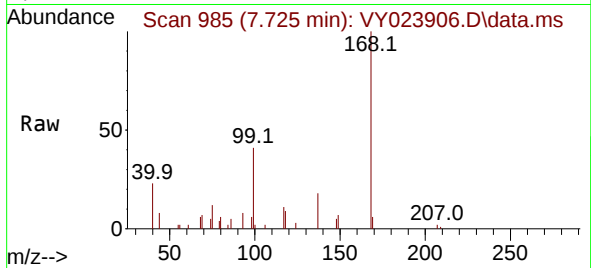




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023906.D
Acq: 09 Dec 2025 14:19

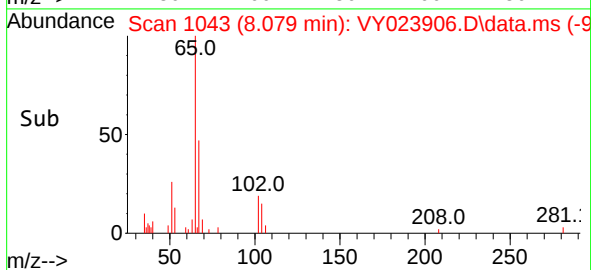
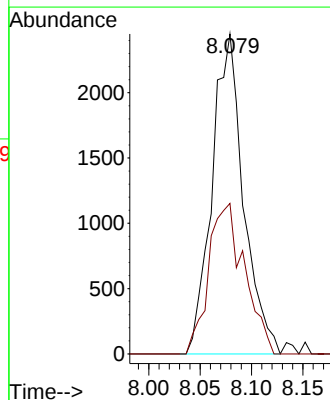
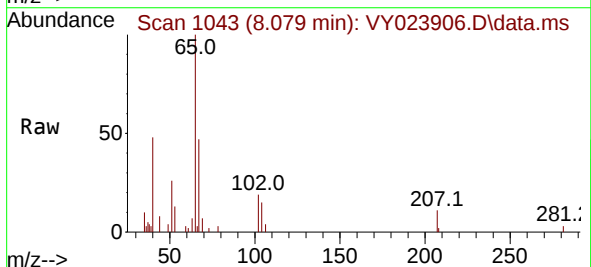
Instrument :
MSVOA_Y
ClientSampleId :
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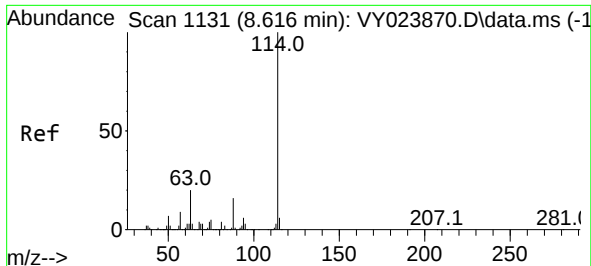
Tgt Ion:168 Resp: 10619
Ion Ratio Lower Upper
168 100
99 41.0 42.5 63.7#



#33
1,2-Dichloroethane-d4
Concen: 49.045 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY023906.D
Acq: 09 Dec 2025 14:19

Tgt Ion: 65 Resp: 5210
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2

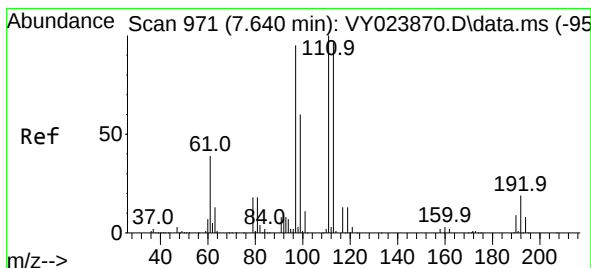
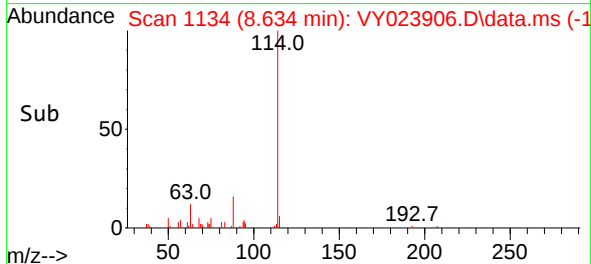
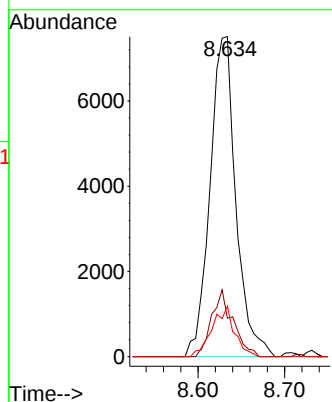
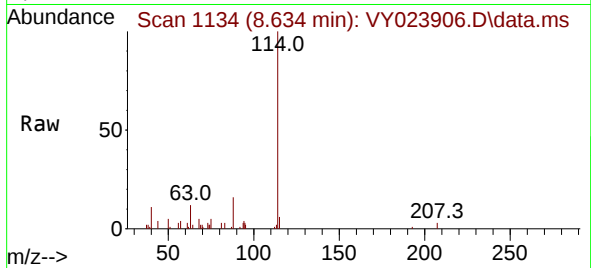




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.634 min Scan# 1134
Delta R.T. 0.018 min
Lab File: VY023906.D
Acq: 09 Dec 2025 14:19

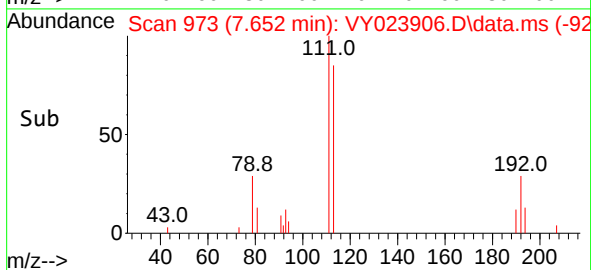
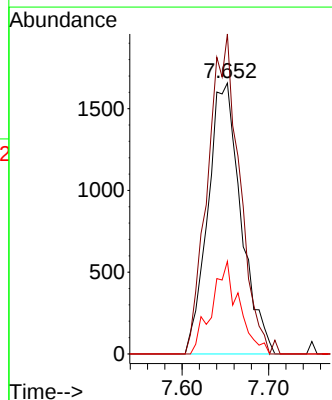
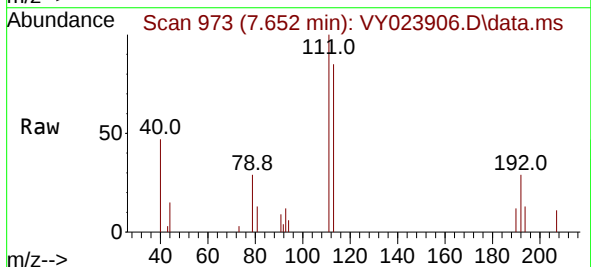
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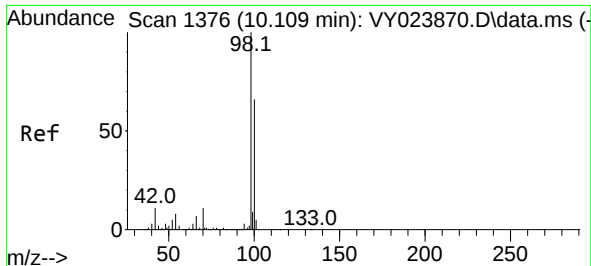
Tgt Ion:	114	Resp:	15625
Ion	Ratio	Lower	Upper
114	100		
63	12.0	0.0	39.2
88	15.8	0.0	31.4



#35
Dibromofluoromethane
Concen: 43.866 ug/l
RT: 7.652 min Scan# 973
Delta R.T. 0.012 min
Lab File: VY023906.D
Acq: 09 Dec 2025 14:19

Tgt Ion:	113	Resp:	4396
Ion	Ratio	Lower	Upper
113	100		
111	113.5	82.2	123.2
192	28.4	15.8	23.8

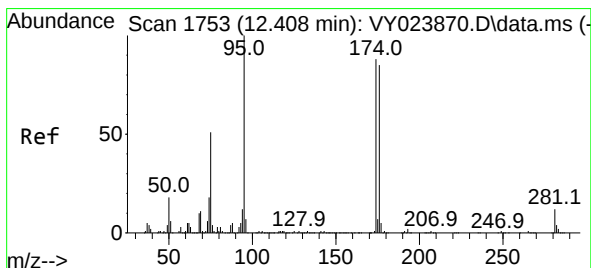
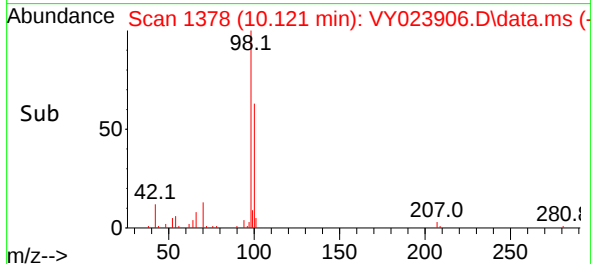
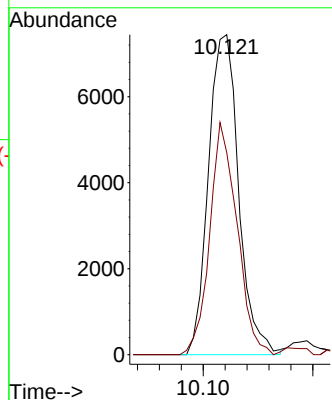
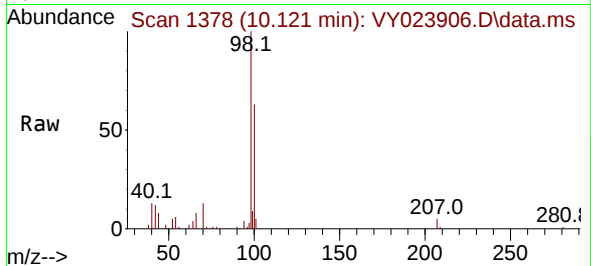




#50
Toluene-d8
Concen: 36.592 ug/l
RT: 10.121 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023906.D
Acq: 09 Dec 2025 14:19

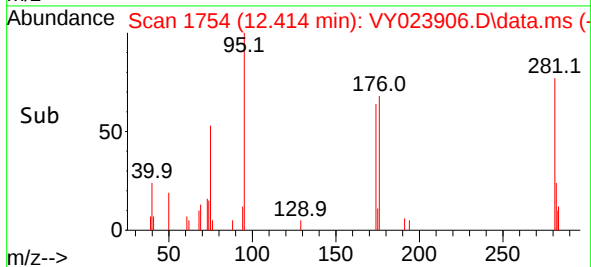
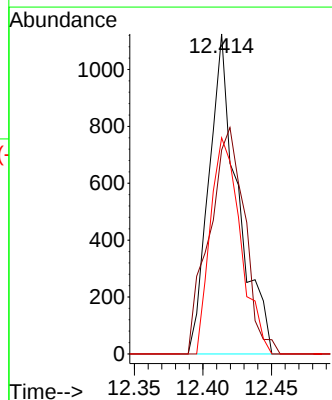
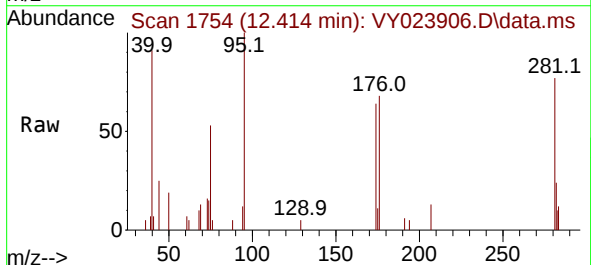
Instrument :
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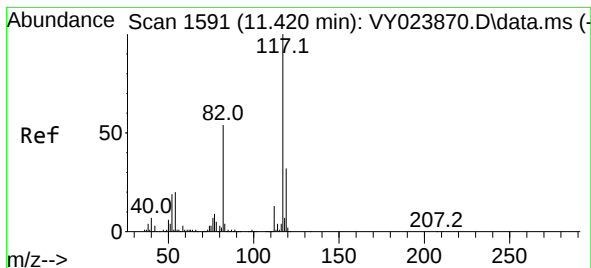
Tgt Ion: 98 Resp: 14270
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 12.360 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023906.D
Acq: 09 Dec 2025 14:19

Tgt Ion: 95 Resp: 1644
Ion Ratio Lower Upper
95 100
174 86.6 0.0 169.6
176 70.9 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023906.D

Acq: 09 Dec 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

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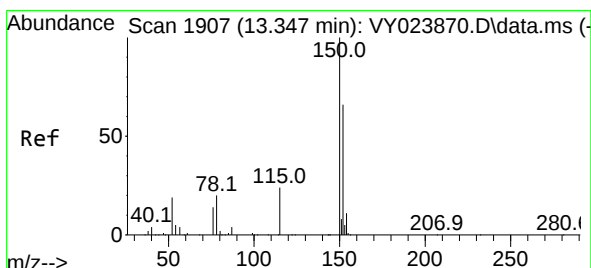
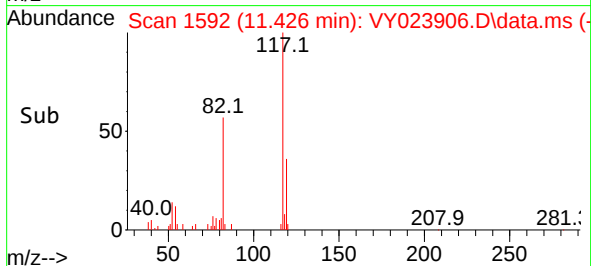
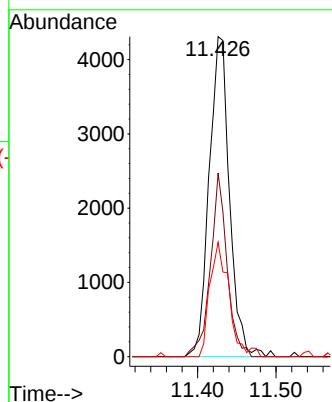
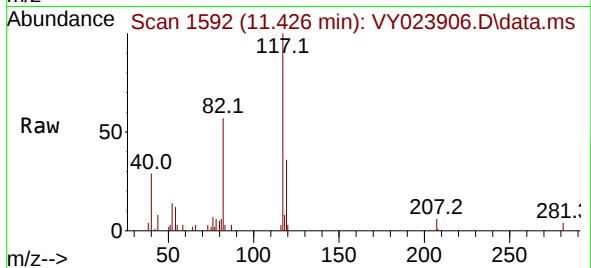
Tgt Ion:117 Resp: 7773

Ion Ratio Lower Upper

117 100

82 57.4 43.1 64.7

119 35.7 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023906.D

Acq: 09 Dec 2025 14:19

Tgt Ion:152 Resp: 1424

Ion Ratio Lower Upper

152 100

115 61.0 28.8 86.4

150 136.2 0.0 352.2

