

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023853.D
 Acq On : 02 Dec 2025 12:08
 Operator : SY/MD
 Sample : Q3742-05
 Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-21

Quant Time: Dec 03 01:02:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	665144	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	1217438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	982717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	346373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	391791	60.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.980%
35) Dibromofluoromethane	7.640	113	393337	54.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.080%
50) Toluene-d8	10.115	98	1426882	49.811	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.408	95	371558	39.421	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.840%

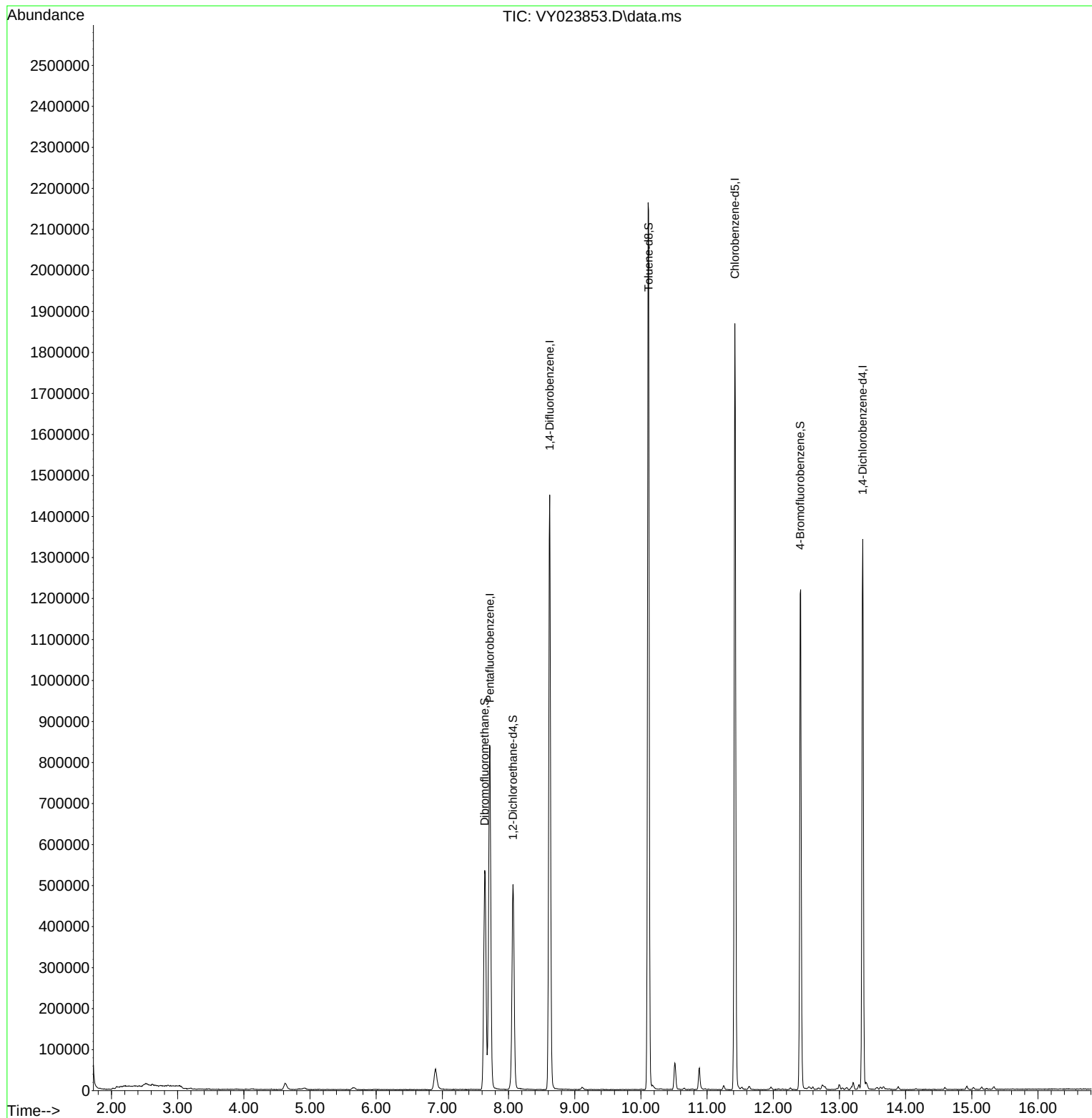
Target Compounds	Qvalue

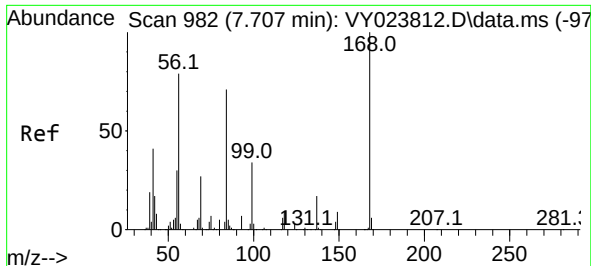
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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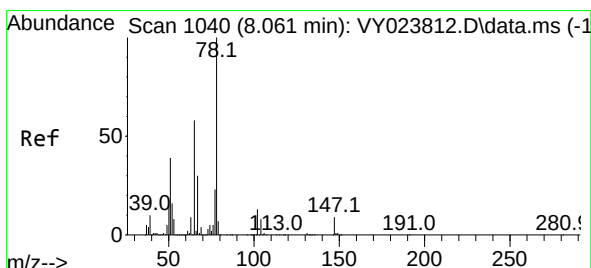
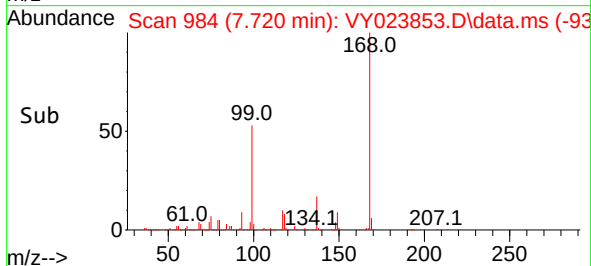
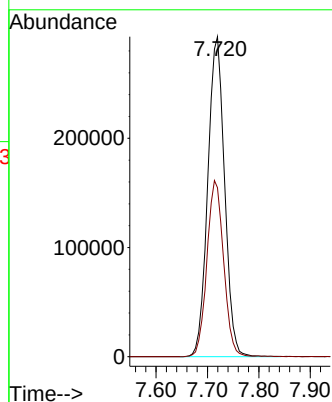
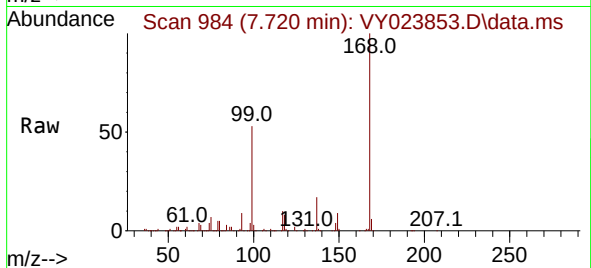




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

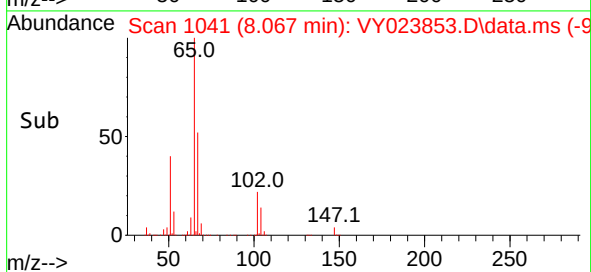
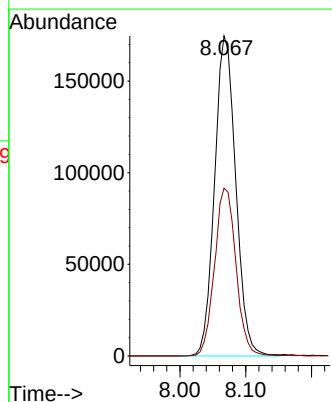
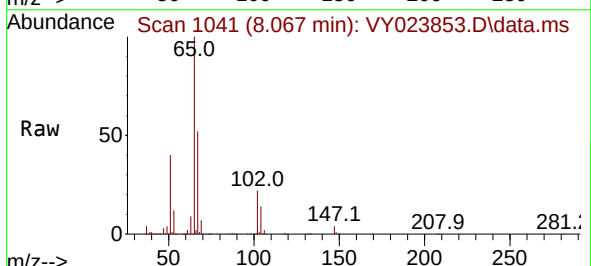
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

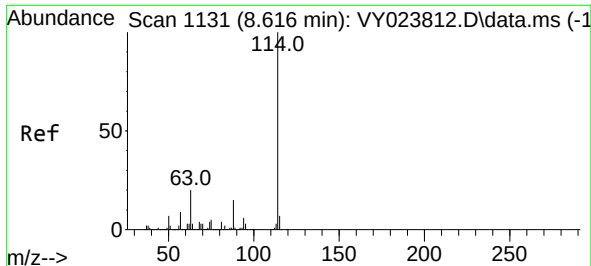
Tgt Ion:168 Resp: 665144
Ion Ratio Lower Upper
168 100
99 52.8 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 60.485 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion: 65 Resp: 391791
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4

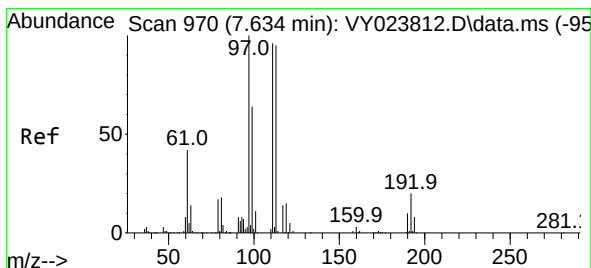
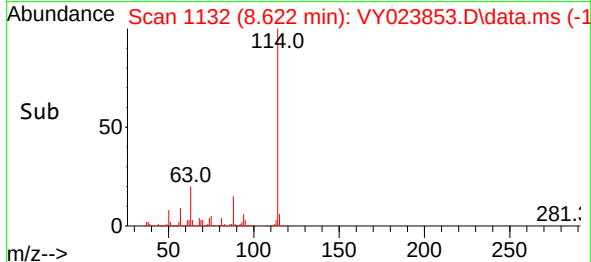
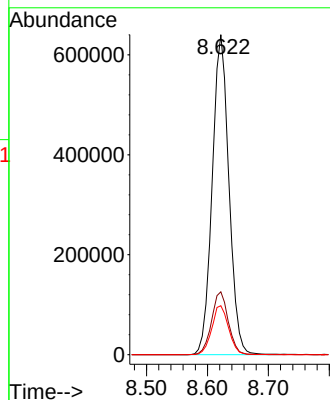
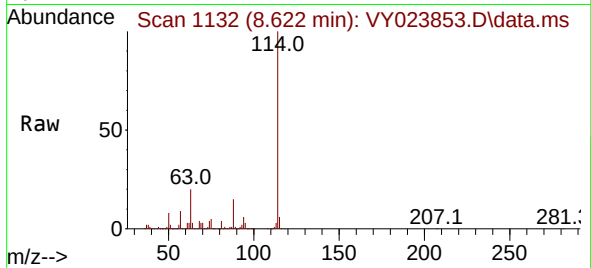




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

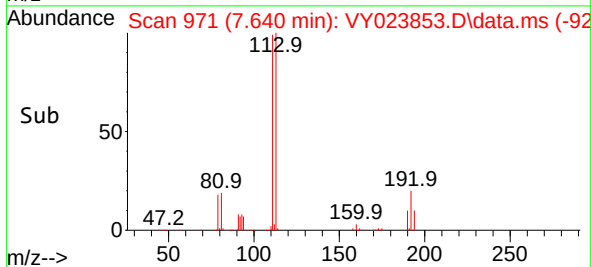
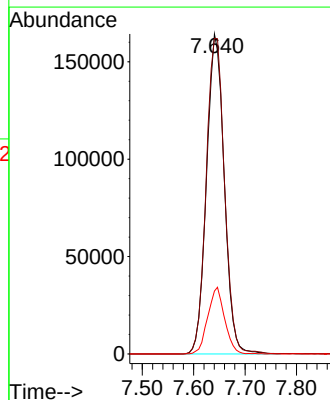
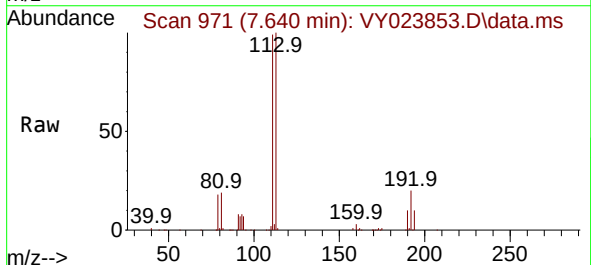
Instrument :
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ClientSampleId :
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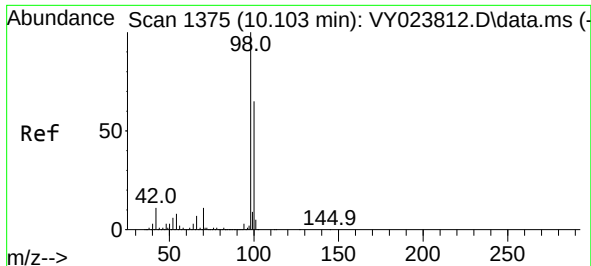
Tgt Ion:114 Resp: 1217438
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.4
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 54.539 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion:113 Resp: 393337
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 19.9 15.8 23.8

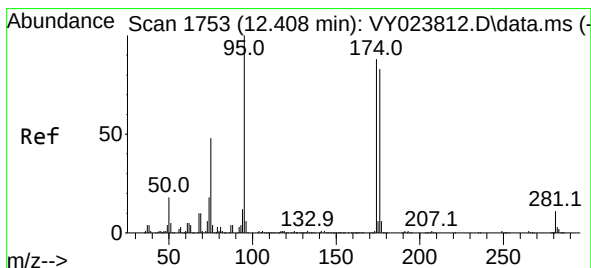
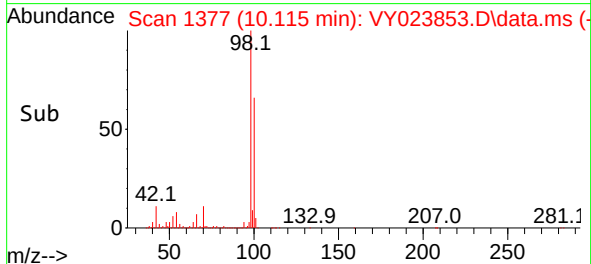
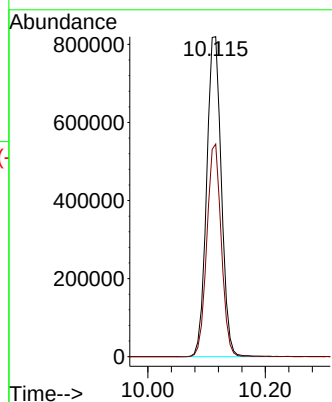
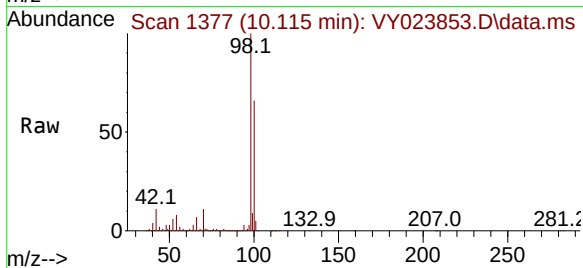




#50
Toluene-d8
Concen: 49.811 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

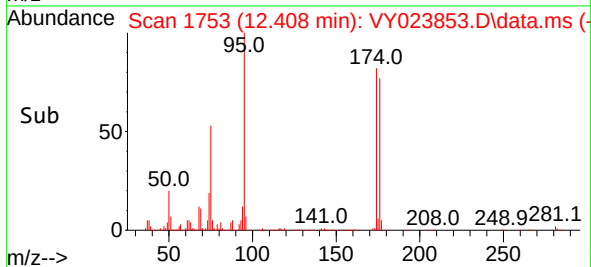
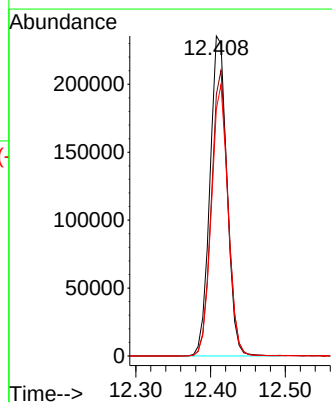
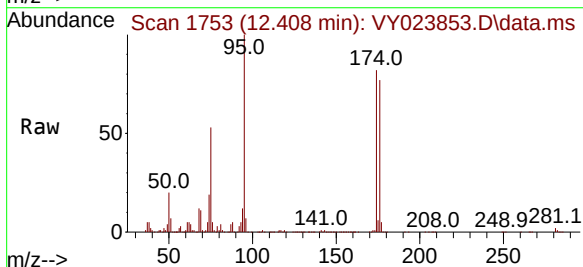
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-21

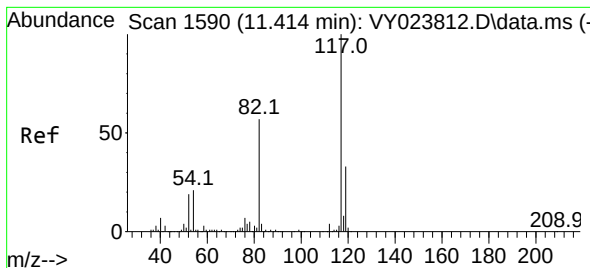
Tgt Ion: 98 Resp: 1426882
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.421 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023853.D
Acq: 02 Dec 2025 12:08

Tgt Ion: 95 Resp: 371558
Ion Ratio Lower Upper
95 100
174 87.1 0.0 168.6
176 83.1 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023853.D

Acq: 02 Dec 2025 12:08

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-21

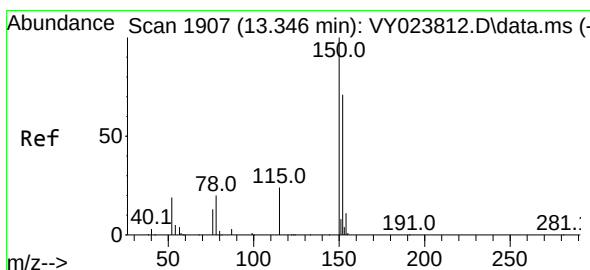
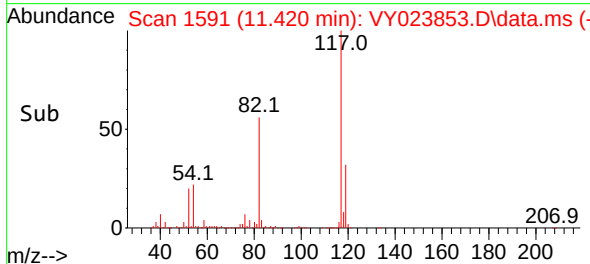
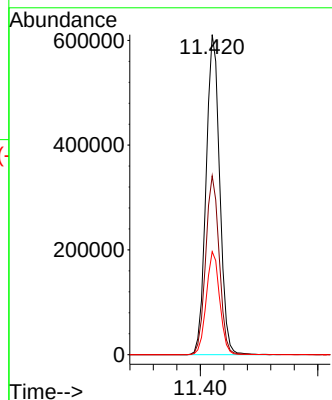
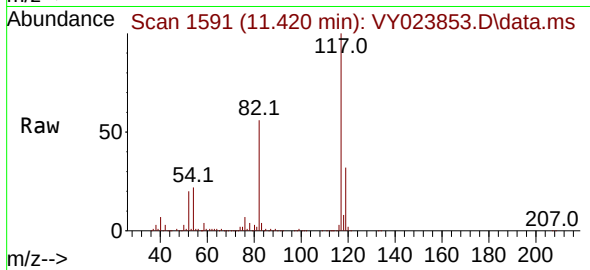
Tgt Ion:117 Resp: 982717

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

119 32.2 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: VY023853.D

Acq: 02 Dec 2025 12:08

Tgt Ion:152 Resp: 346373

Ion Ratio Lower Upper

152 100

115 56.8 28.7 86.3

150 156.6 0.0 345.6

