

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
 Data File : VY023099.D
 Acq On : 14 Aug 2025 16:44
 Operator : SY/MD
 Sample : Q2826-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC1

Quant Time: Aug 18 01:28:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	266207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	460667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	381025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	151348	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	140324	55.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.620%
35) Dibromofluoromethane	7.628	113	147151	53.384	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.760%
50) Toluene-d8	10.103	98	549595	51.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.080%
62) 4-Bromofluorobenzene	12.401	95	149480	43.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.320%

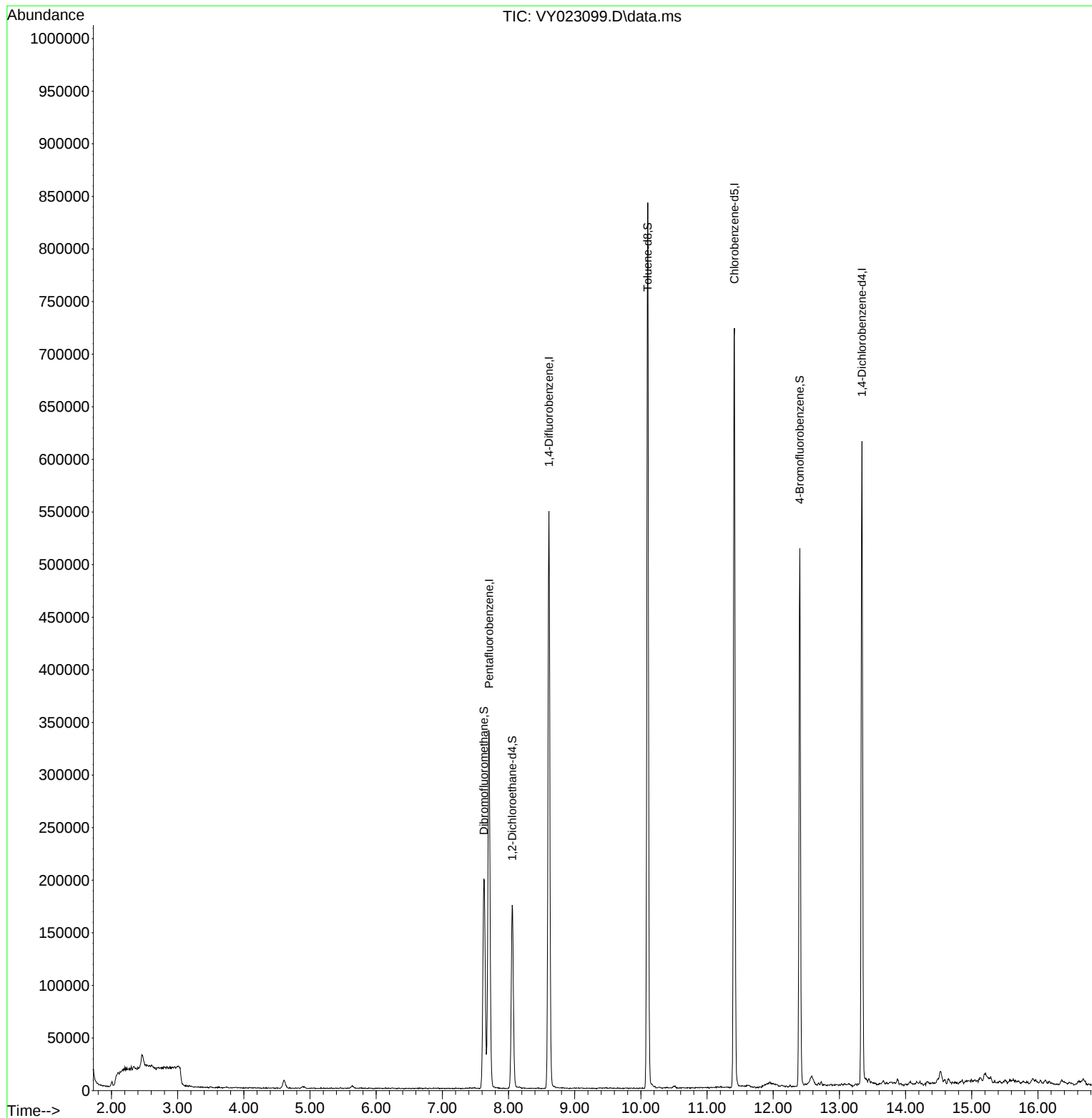
Target Compounds	Qvalue

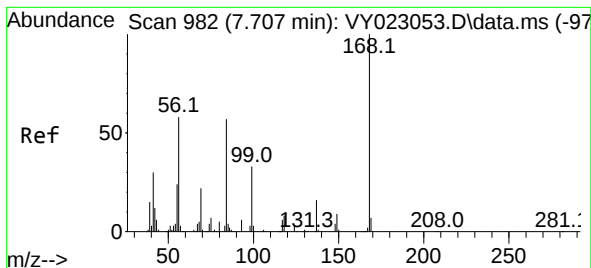
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023099.D

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Instrument :

MSVOA_Y

ClientSampleId :

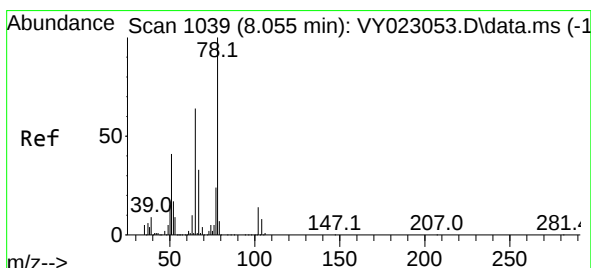
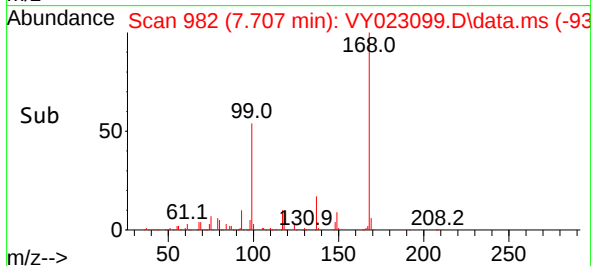
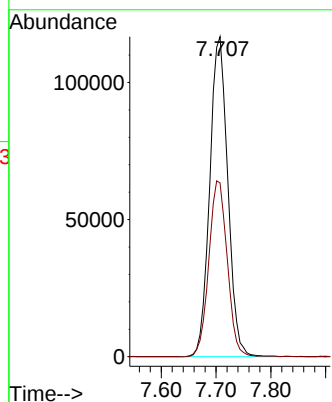
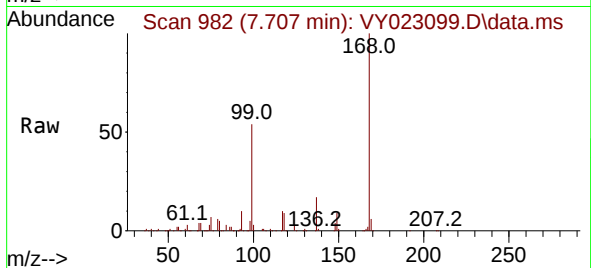
WC1

Tgt Ion:168 Resp: 266207

Ion Ratio Lower Upper

168 100

99 54.3 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 55.308 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023099.D

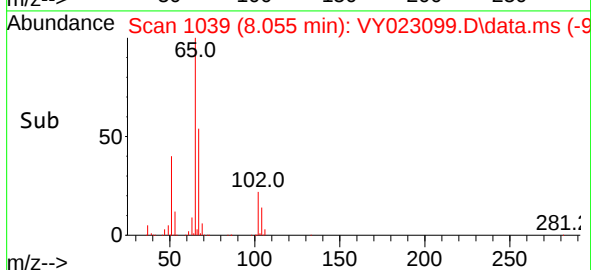
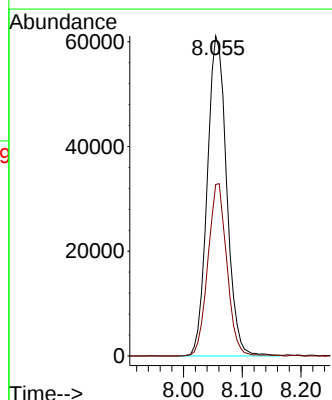
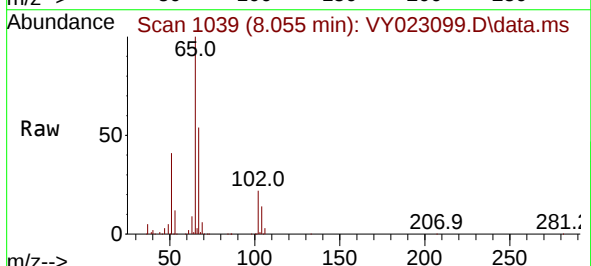
Acq: 14 Aug 2025 16:44

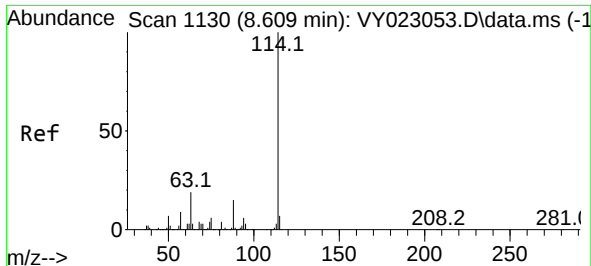
Tgt Ion: 65 Resp: 140324

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8

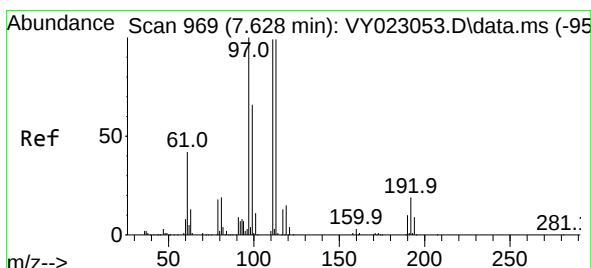
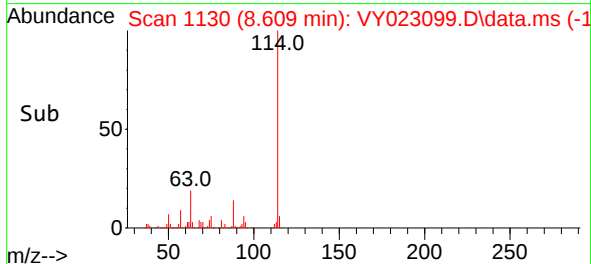
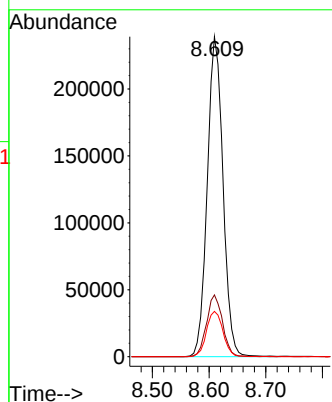
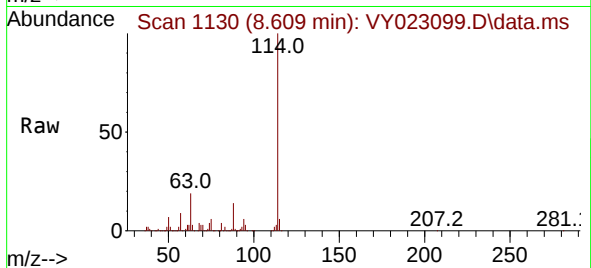




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

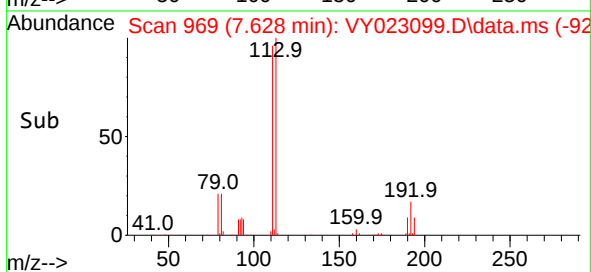
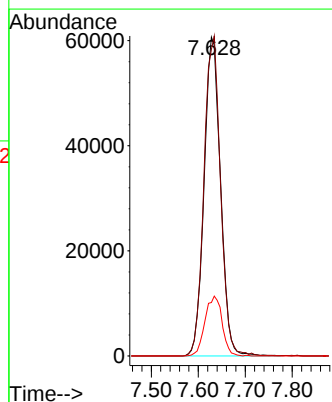
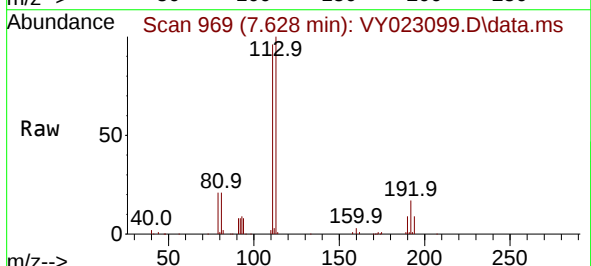
Instrument :
MSVOA_Y
ClientSampleId :
WC1

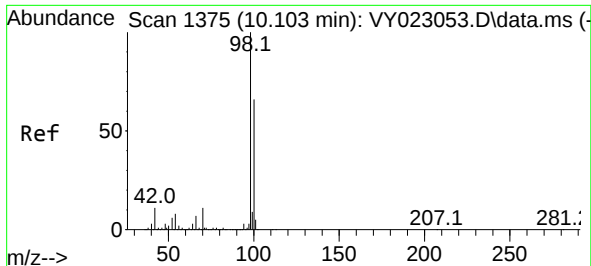
Tgt Ion:114 Resp: 460667
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.4
88 14.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.384 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

Tgt Ion:113 Resp: 147151
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 19.5 16.2 24.4

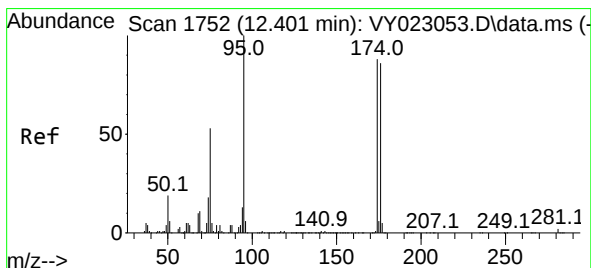
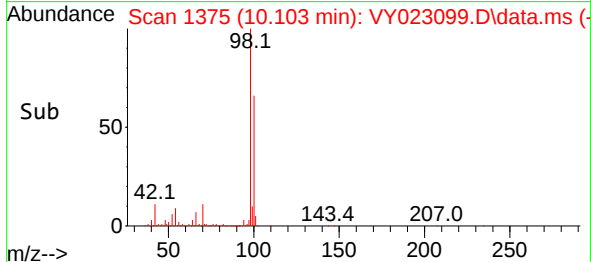
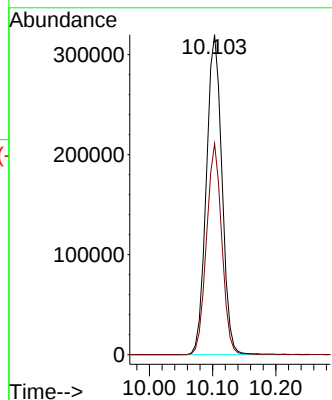
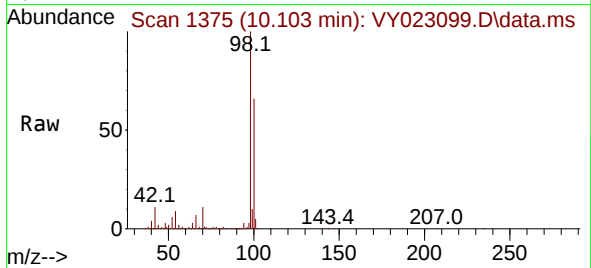




#50
Toluene-d8
Concen: 51.038 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

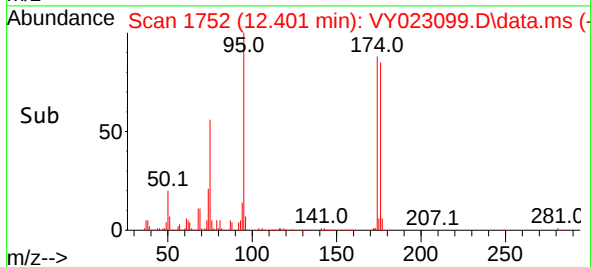
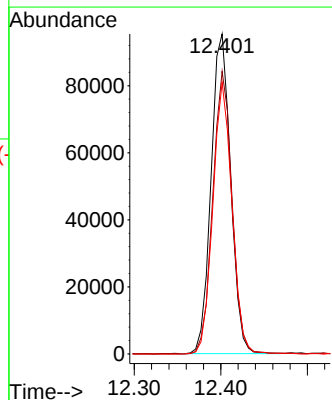
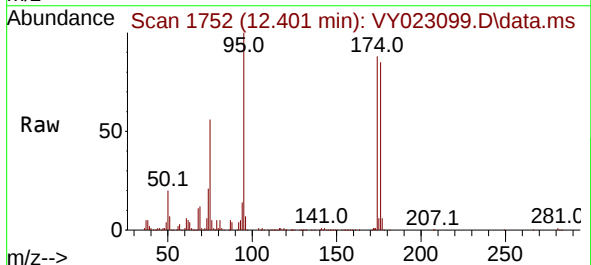
Instrument :
MSVOA_Y
ClientSampleId :
WC1

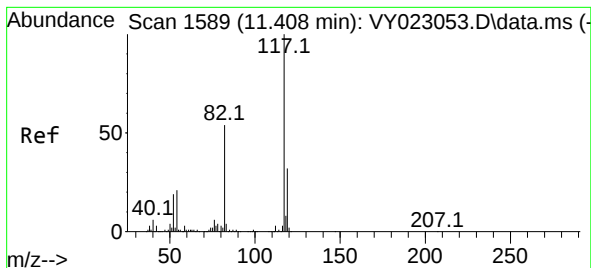
Tgt Ion: 98 Resp: 549595
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.164 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

Tgt Ion: 95 Resp: 149480
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 83.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023099.D

Acq: 14 Aug 2025 16:44

Instrument :

MSVOA_Y

ClientSampleId :

WC1

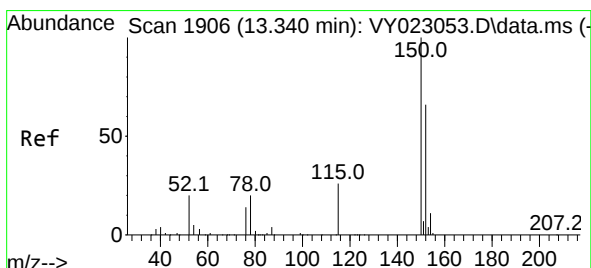
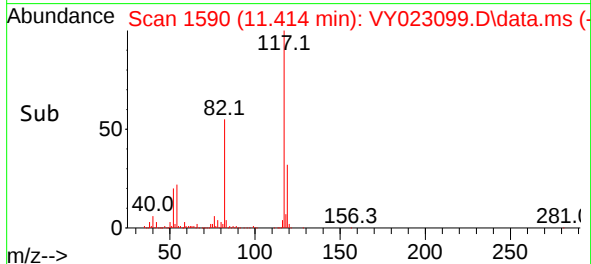
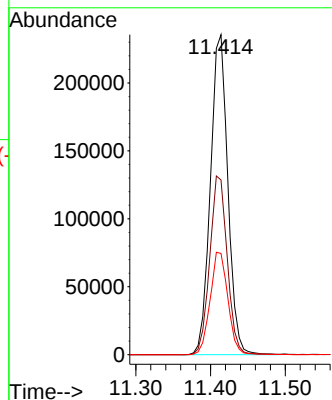
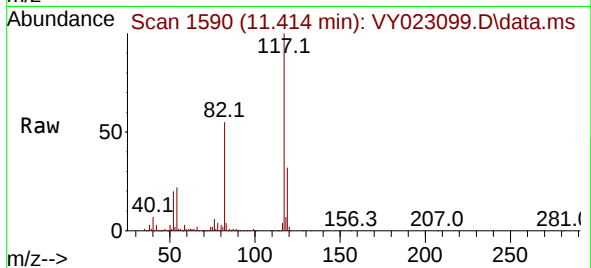
Tgt Ion:117 Resp: 381025

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023099.D

Acq: 14 Aug 2025 16:44

Tgt Ion:152 Resp: 151348

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 153.8 0.0 348.0

