

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023969.D
 Acq On : 15 Dec 2025 12:16
 Operator : SY/MD
 Sample : Q3859-01
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-121225

Quant Time: Dec 16 02:13:35 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	7.726	168	27379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	37078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	25688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	3330	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	10801	44.619	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.240%
35) Dibromofluoromethane	7.646	113	11208	46.243	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.480%
50) Toluene-d8	10.115	98	38082	42.201	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.400%
62) 4-Bromofluorobenzene	12.414	95	5258	17.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	34.900%

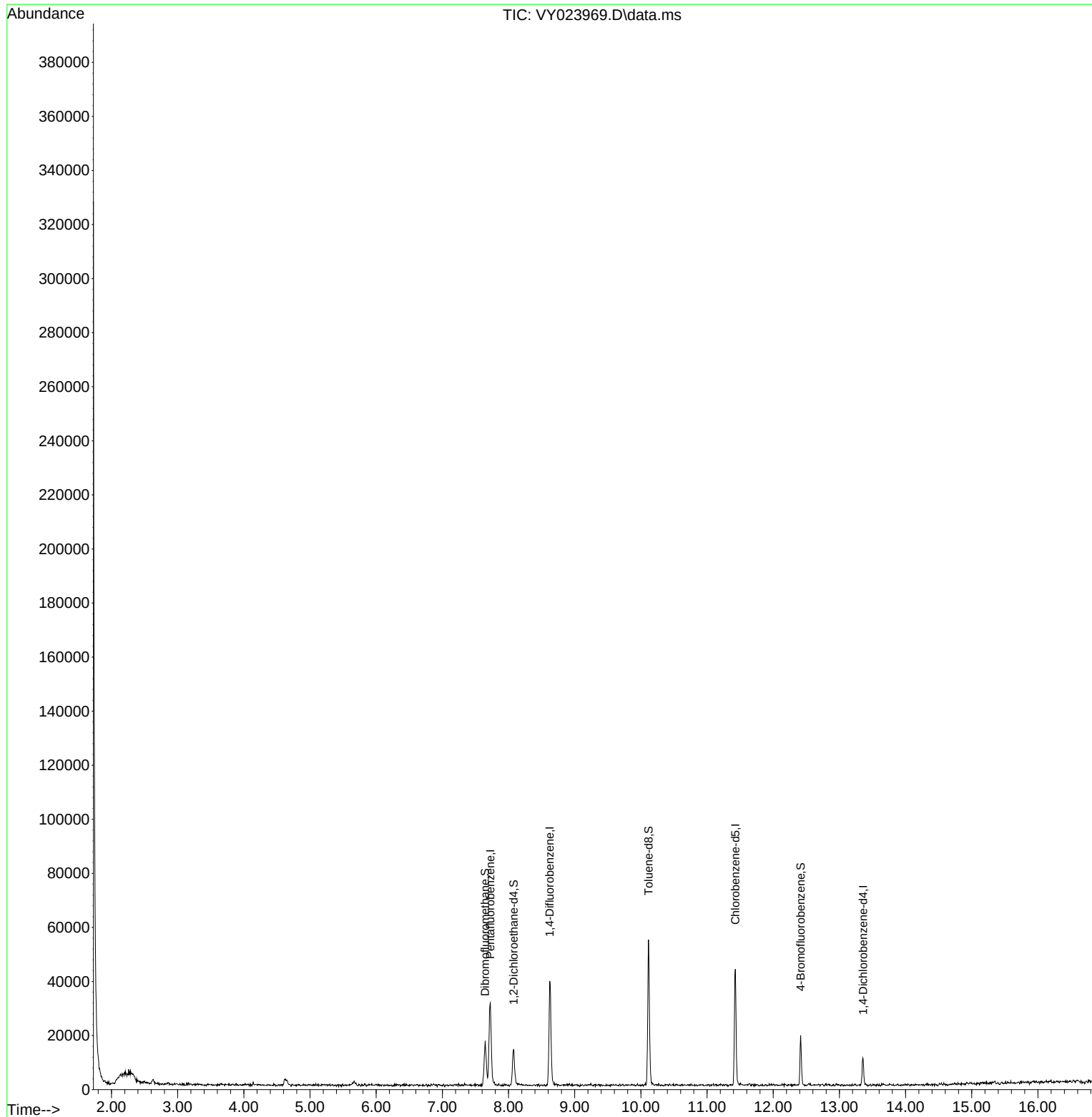
Target Compounds	Qvalue

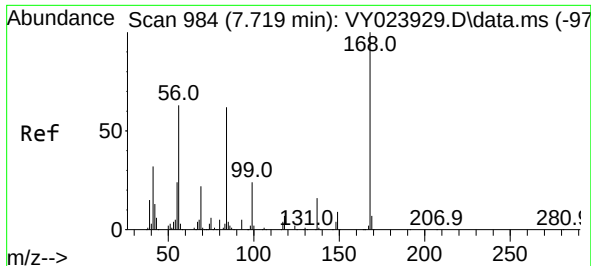
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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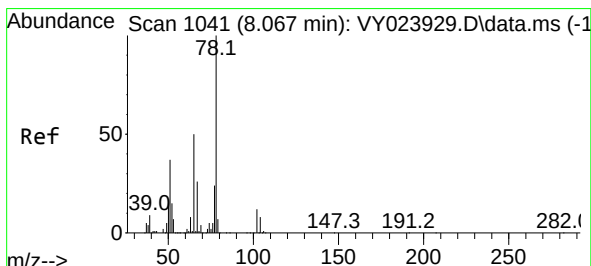
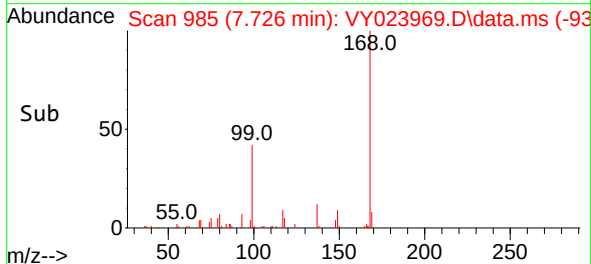
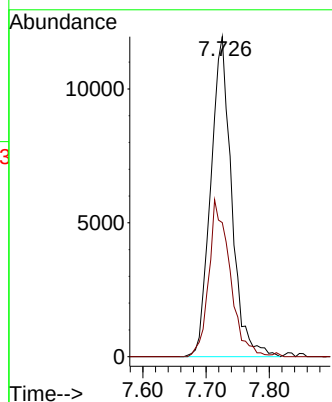
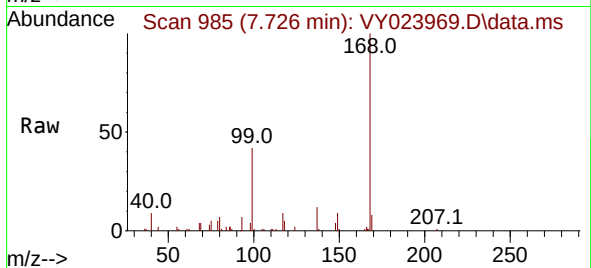




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY023969.D
Acq: 15 Dec 2025 12:16

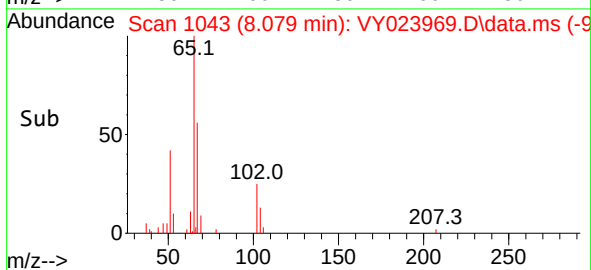
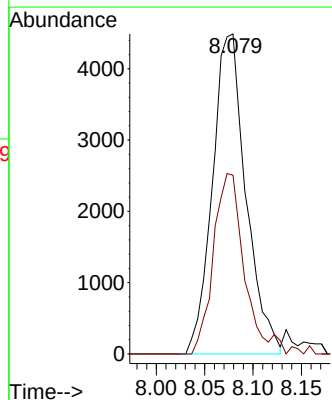
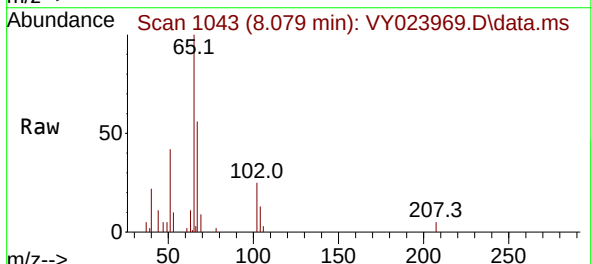
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225

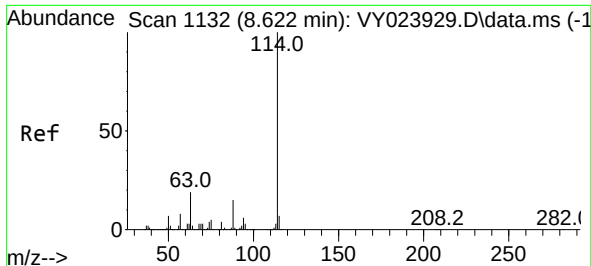
Tgt Ion:168 Resp: 27379
Ion Ratio Lower Upper
168 100
99 41.9 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 44.619 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY023969.D
Acq: 15 Dec 2025 12:16

Tgt Ion: 65 Resp: 10801
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2

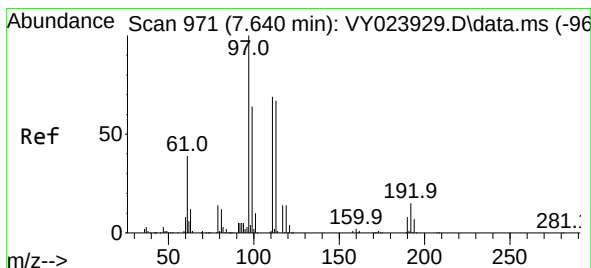
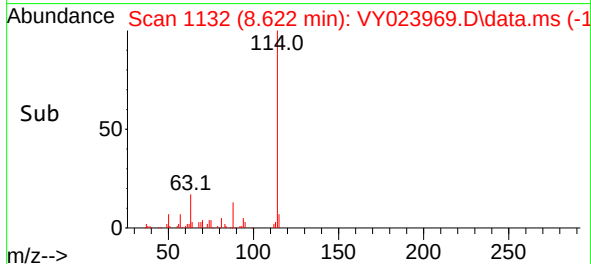
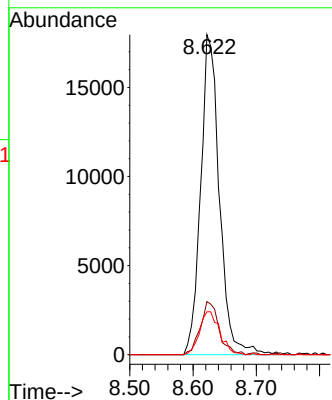
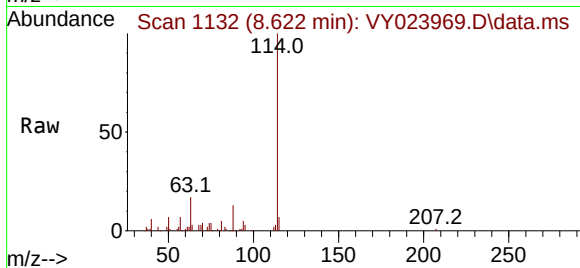




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY023969.D
Acq: 15 Dec 2025 12:16

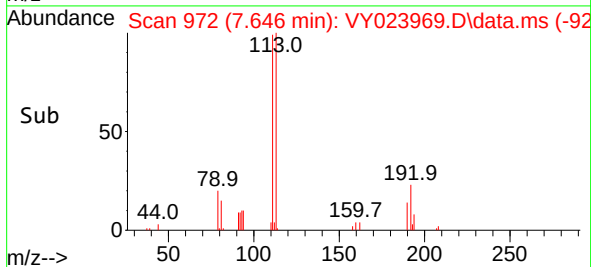
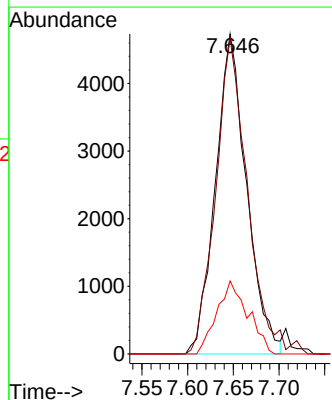
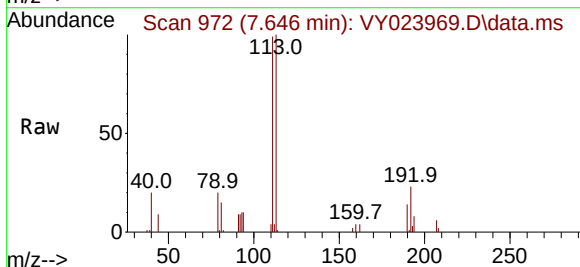
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225

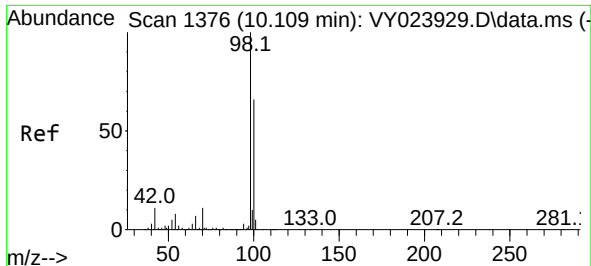
Tgt Ion:	114	Resp:	37078
Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	37.2
88	13.4	0.0	29.4



#35
Dibromofluoromethane
Concen: 46.243 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023969.D
Acq: 15 Dec 2025 12:16

Tgt Ion:	113	Resp:	11208
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.4	123.6
192	22.9	17.9	26.9

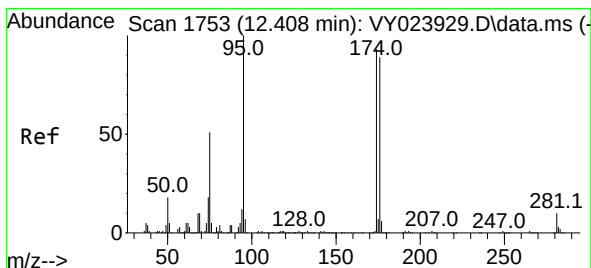
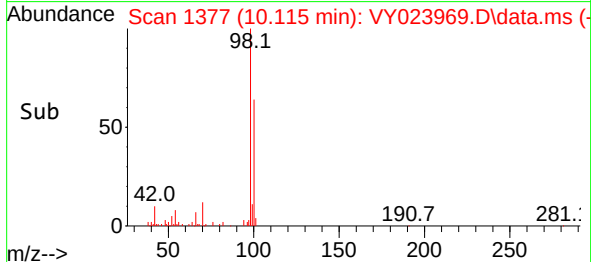
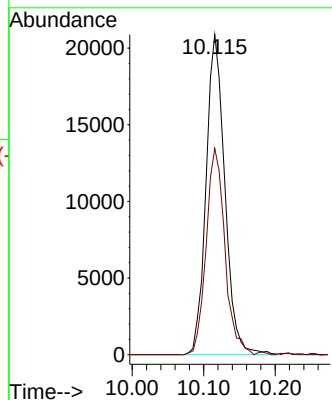
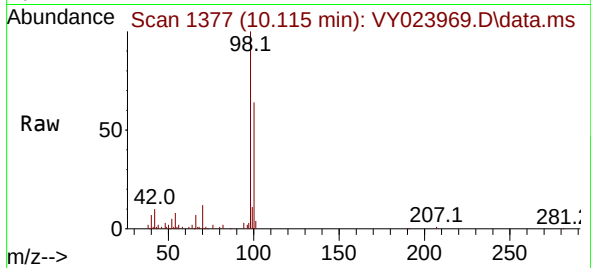




#50
Toluene-d8
Concen: 42.201 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023969.D
Acq: 15 Dec 2025 12:16

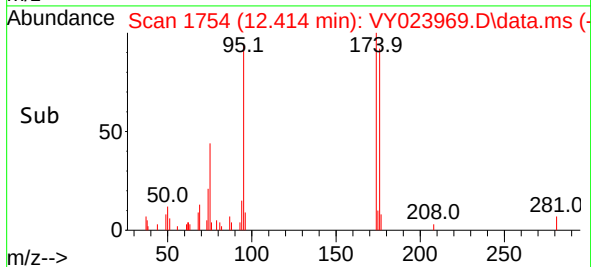
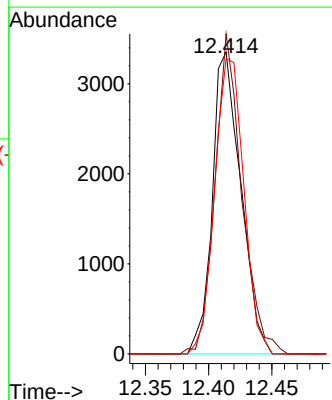
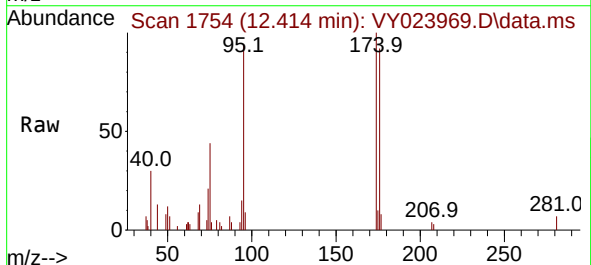
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-121225

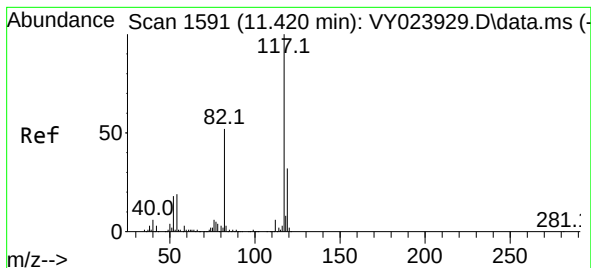
Tgt Ion: 98 Resp: 38082
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 17.448 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023969.D
Acq: 15 Dec 2025 12:16

Tgt Ion: 95 Resp: 5258
Ion Ratio Lower Upper
95 100
174 99.3 0.0 187.4
176 100.2 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023969.D

Acq: 15 Dec 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-121225

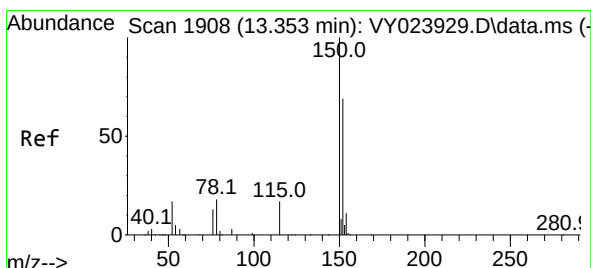
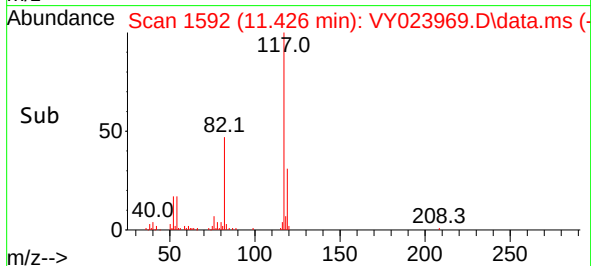
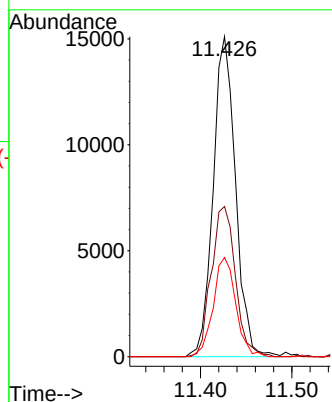
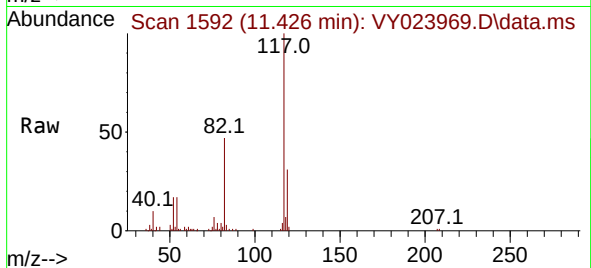
Tgt Ion:117 Resp: 25688

Ion Ratio Lower Upper

117 100

82 47.0 41.4 62.2

119 31.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY023969.D

Acq: 15 Dec 2025 12:16

Tgt Ion:152 Resp: 3330

Ion Ratio Lower Upper

152 100

115 44.2 27.3 81.9

150 147.3 0.0 347.6

