

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023032.D
 Acq On : 21 Jul 2025 17:20
 Operator : SY/MD
 Sample : Q2651-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 7-6

Quant Time: Jul 22 04:54:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	260776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167746	63.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.080%
35) Dibromofluoromethane	7.634	113	171494	53.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.240%
50) Toluene-d8	10.103	98	636556	49.718	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.440%
62) 4-Bromofluorobenzene	12.402	95	240368	59.640	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.280%

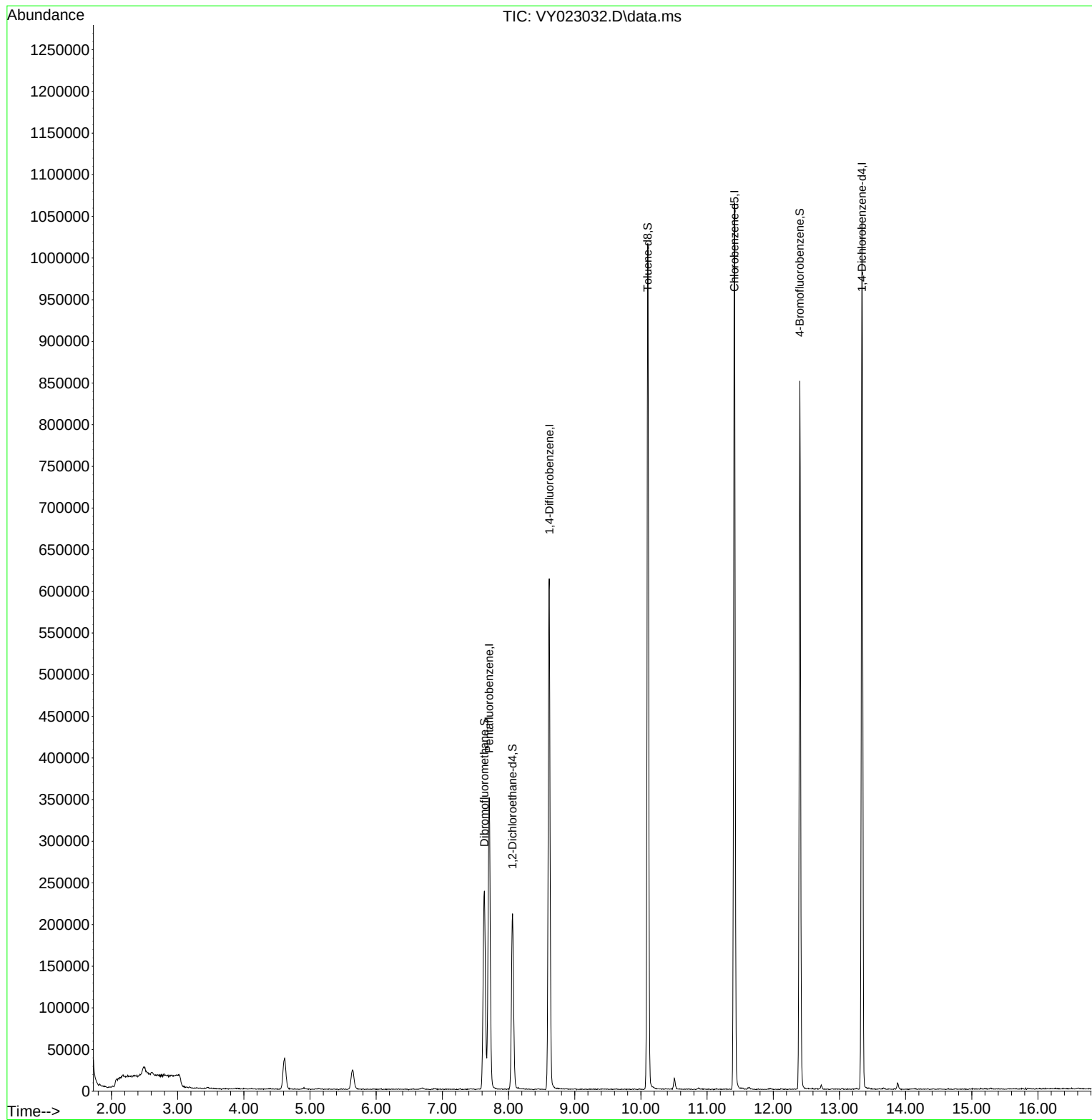
Target Compounds	Qvalue

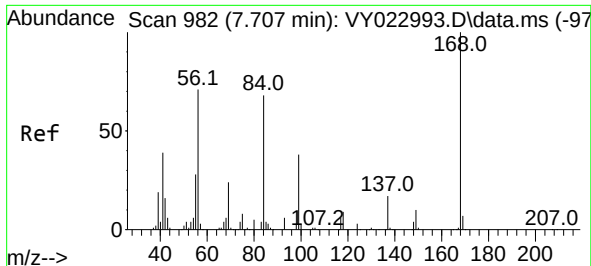
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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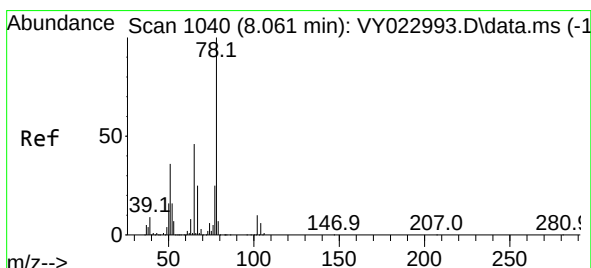
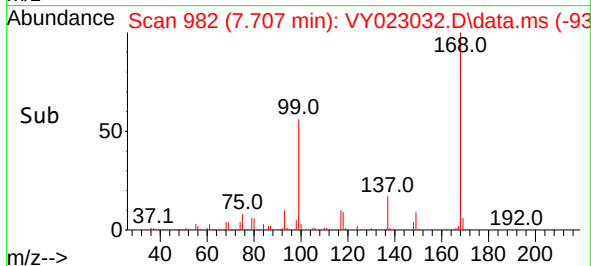
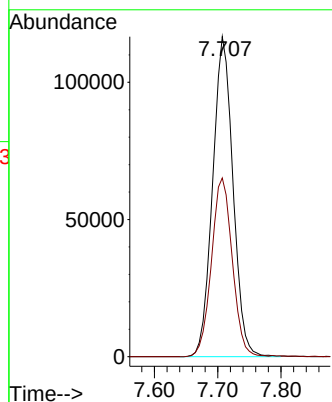
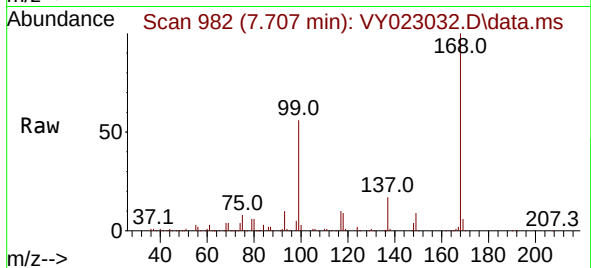




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

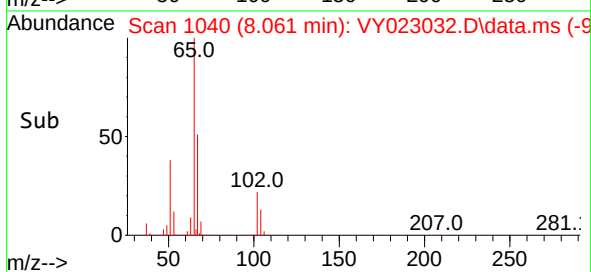
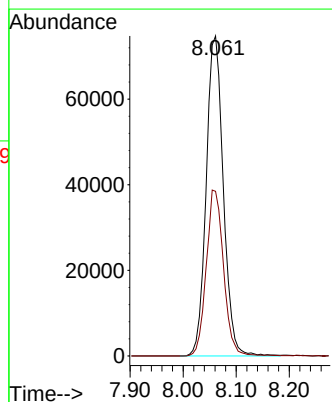
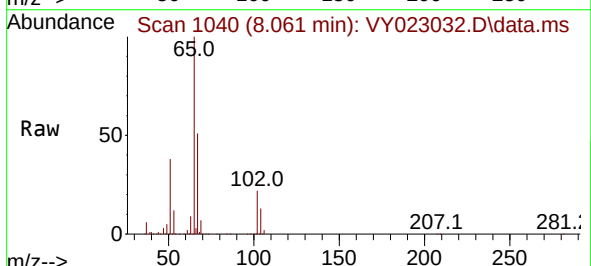
Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

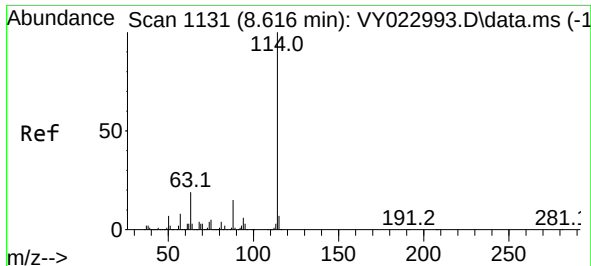
Tgt Ion:168 Resp: 260776
Ion Ratio Lower Upper
168 100
99 55.8 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 63.542 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 65 Resp: 167746
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4

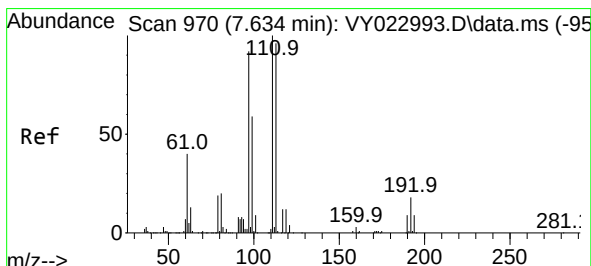
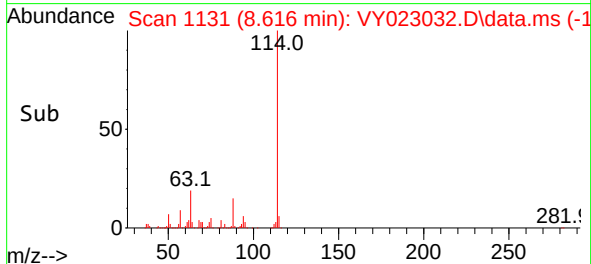
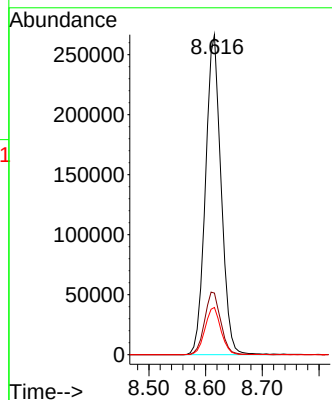
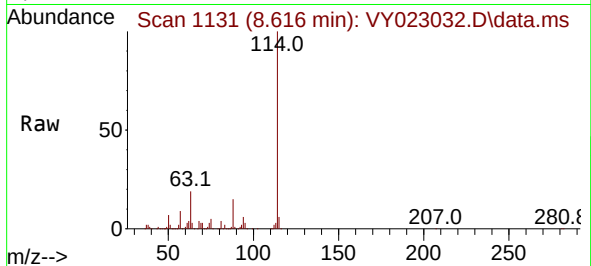




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

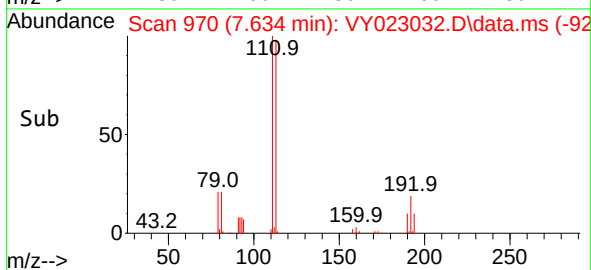
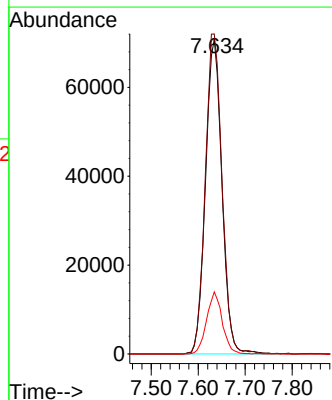
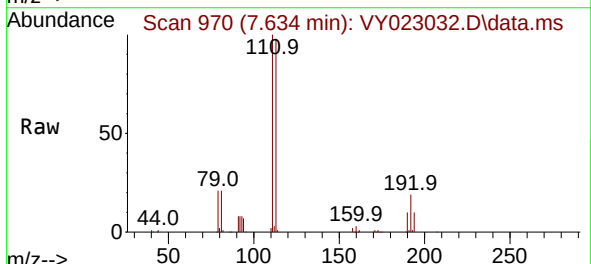
Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

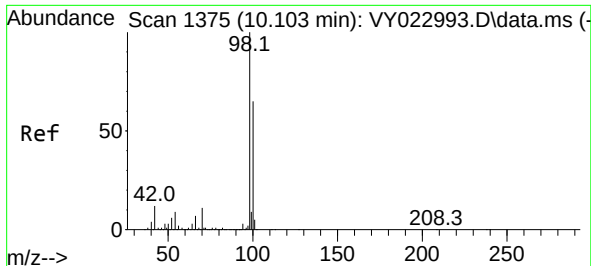
Tgt Ion:114 Resp: 508972
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.8
88 14.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 53.117 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion:113 Resp: 171494
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 18.8 15.3 22.9

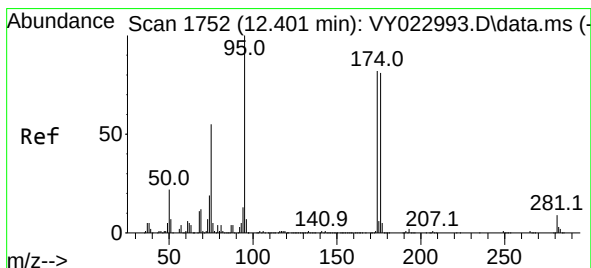
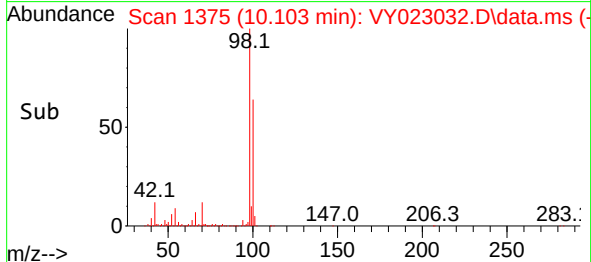
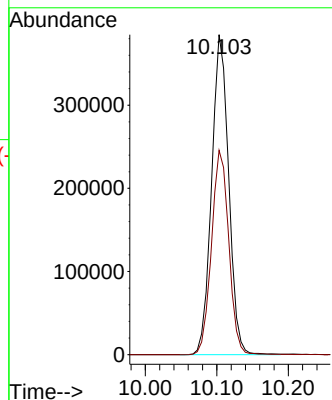
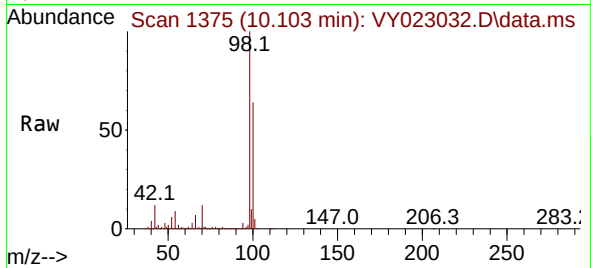




#50
Toluene-d8
Concen: 49.718 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

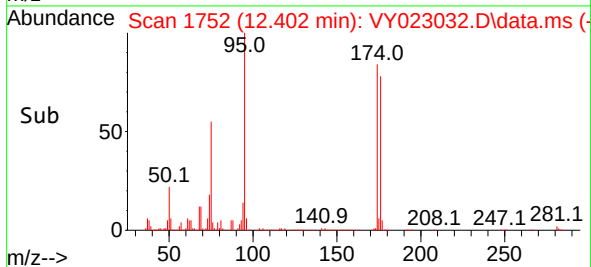
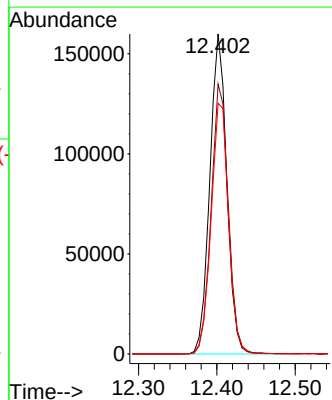
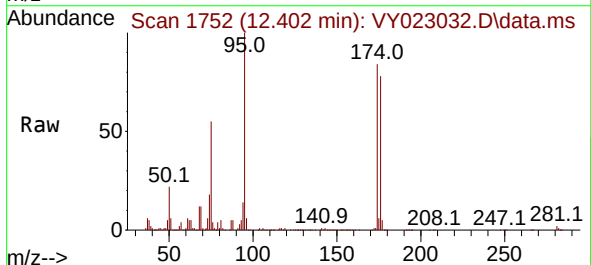
Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

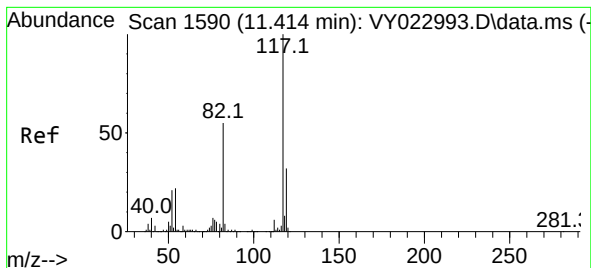
Tgt Ion: 98 Resp: 636556
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 59.640 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 95 Resp: 240368
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 80.6 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

Instrument :

MSVOA_Y

ClientSampleId :

MH 7-6

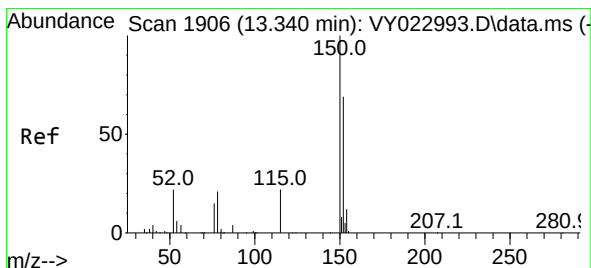
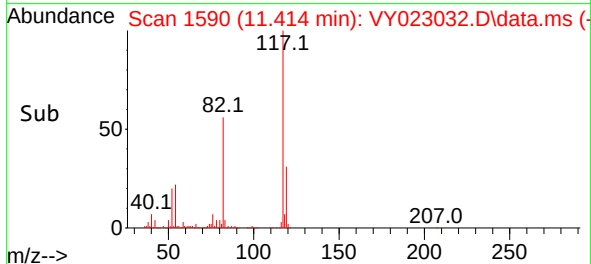
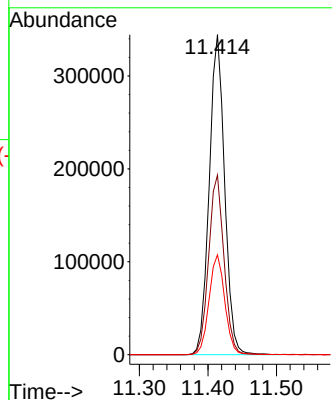
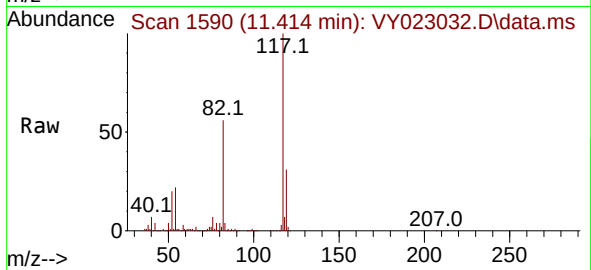
Tgt Ion:117 Resp: 539054

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

119 31.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

Tgt Ion:152 Resp: 250469

Ion Ratio Lower Upper

152 100

115 57.3 29.4 88.2

150 156.6 0.0 350.0

