

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023030.D
 Acq On : 21 Jul 2025 16:33
 Operator : SY/MD
 Sample : Q2651-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 2-1

Quant Time: Jul 22 04:53:57 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	7.701	168	63611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	105691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	92355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	32970	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	32131	49.896	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.800%
35) Dibromofluoromethane	7.628	113	36348	54.216	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.440%
50) Toluene-d8	10.103	98	121574	45.727	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.460%
62) 4-Bromofluorobenzene	12.402	95	34377	41.076	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.160%

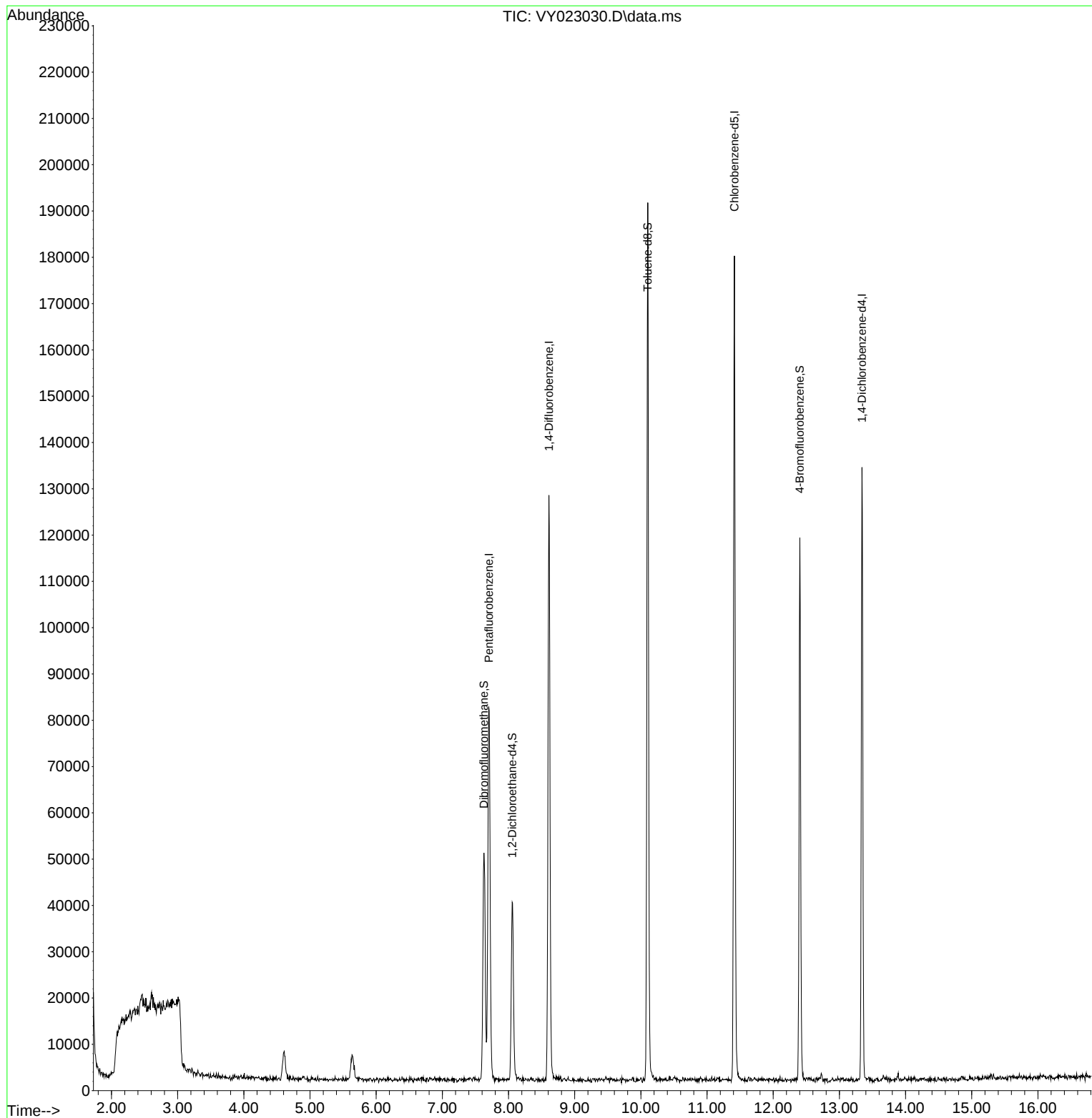
Target Compounds	Qvalue

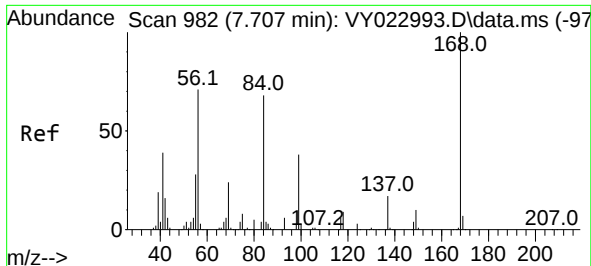
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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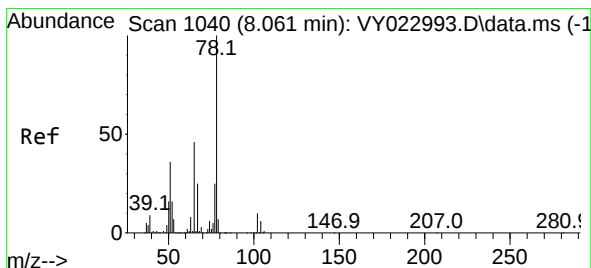
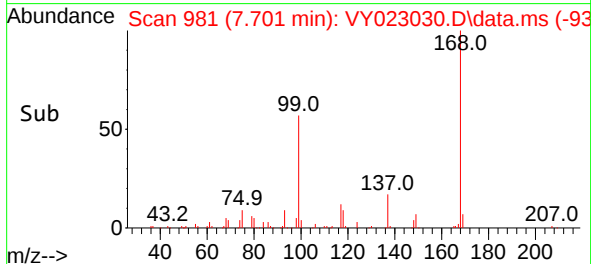
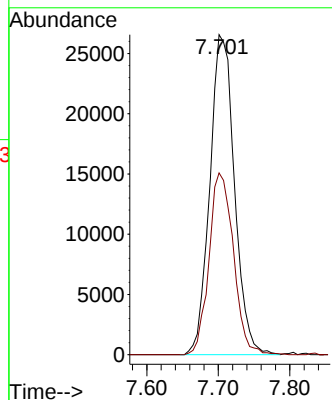
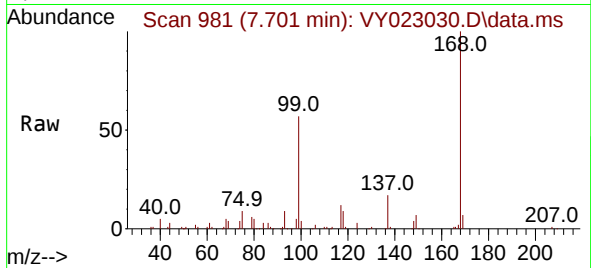




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023030.D
Acq: 21 Jul 2025 16:33

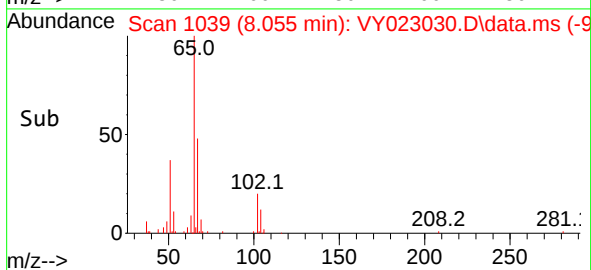
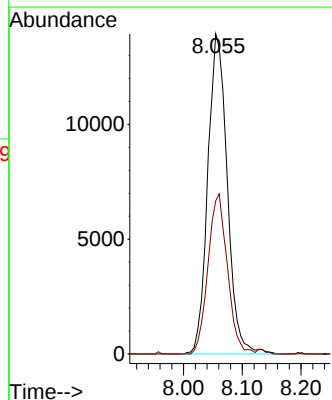
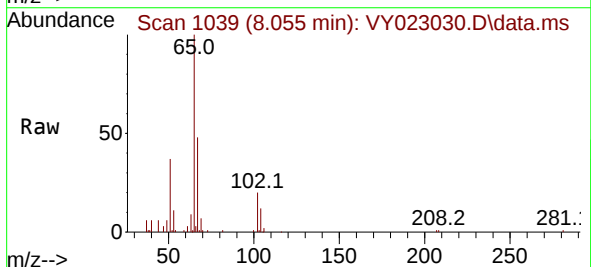
Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

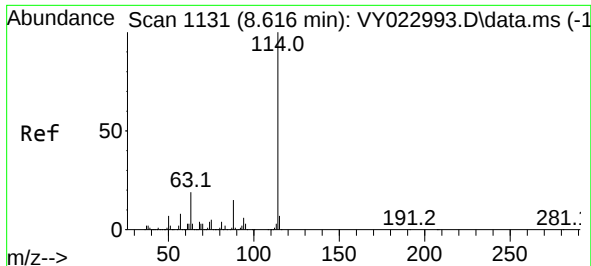
Tgt Ion:168 Resp: 63611
Ion Ratio Lower Upper
168 100
99 56.8 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 49.896 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY023030.D
Acq: 21 Jul 2025 16:33

Tgt Ion: 65 Resp: 32131
Ion Ratio Lower Upper
65 100
67 49.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

MH 2-1

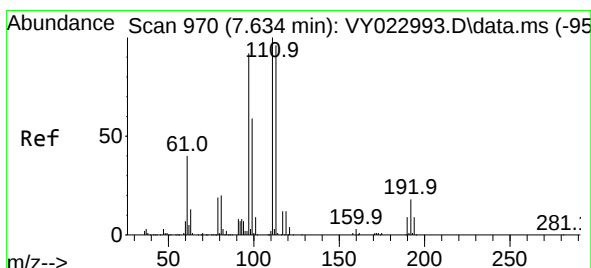
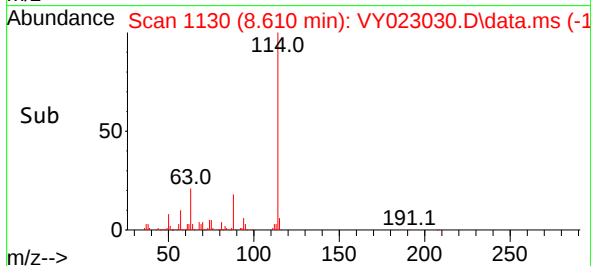
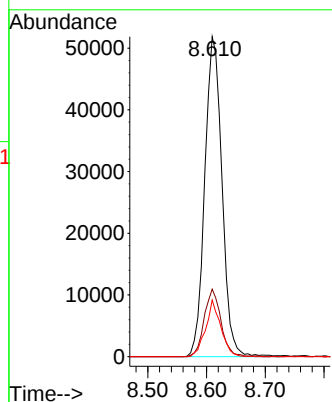
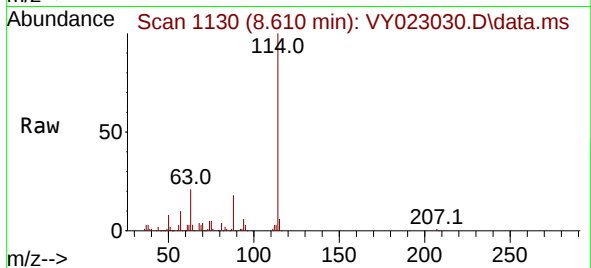
Tgt Ion:114 Resp: 105691

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.8

88 17.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 54.216 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

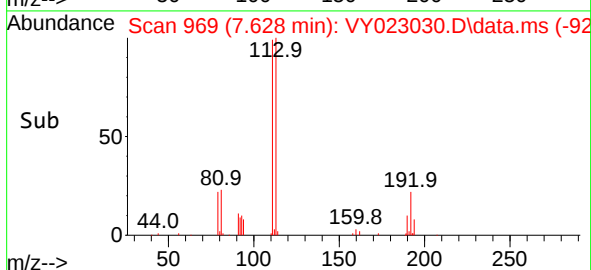
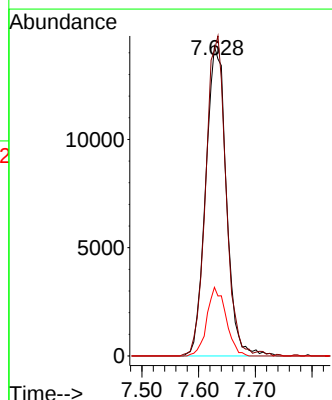
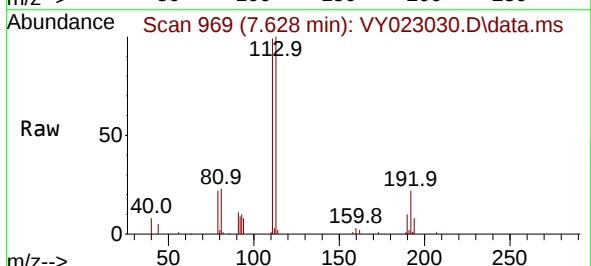
Tgt Ion:113 Resp: 36348

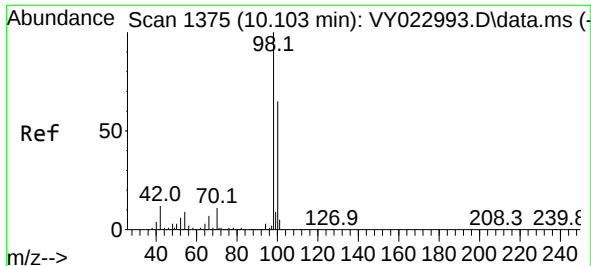
Ion Ratio Lower Upper

113 100

111 100.3 83.2 124.8

192 20.5 15.3 22.9

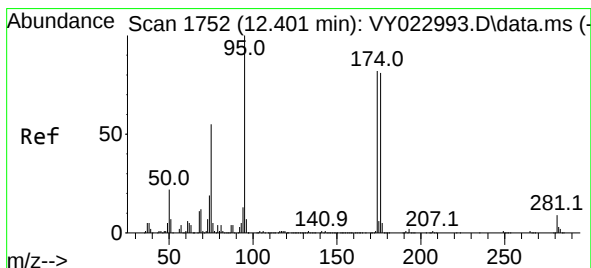
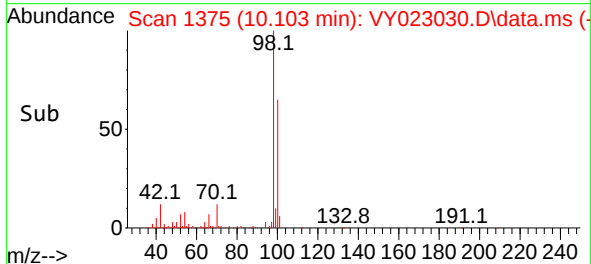
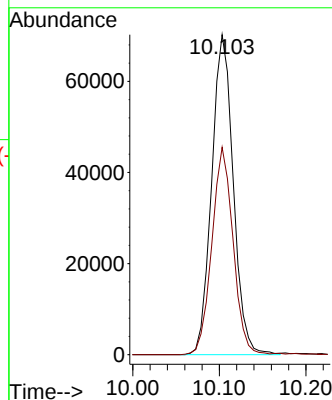
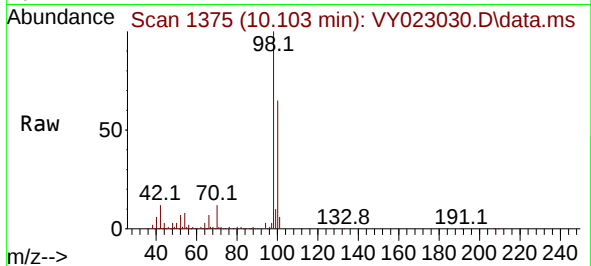




#50
Toluene-d8
Concen: 45.727 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023030.D
Acq: 21 Jul 2025 16:33

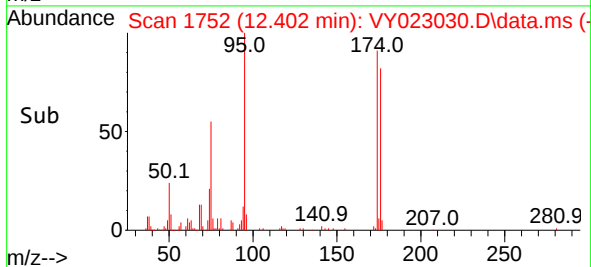
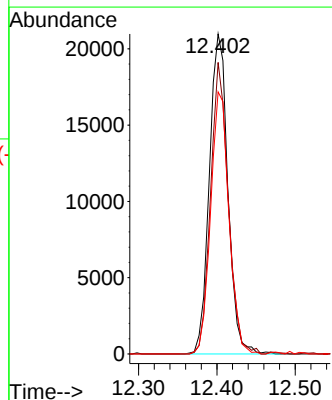
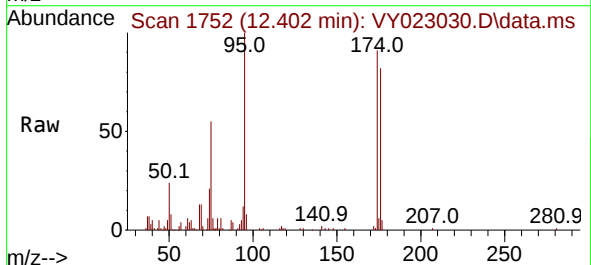
Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

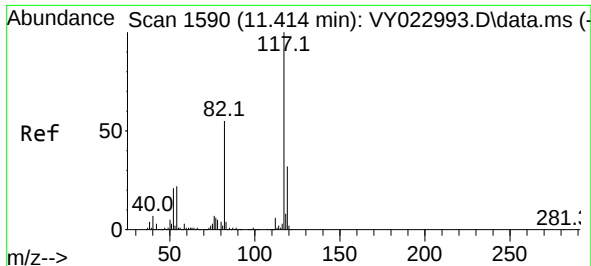
Tgt Ion: 98 Resp: 121574
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 41.076 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023030.D
Acq: 21 Jul 2025 16:33

Tgt Ion: 95 Resp: 34377
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.8
176 81.2 0.0 163.6

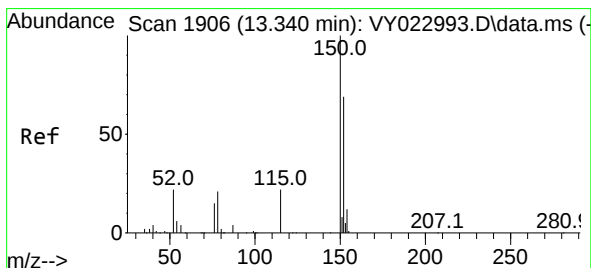
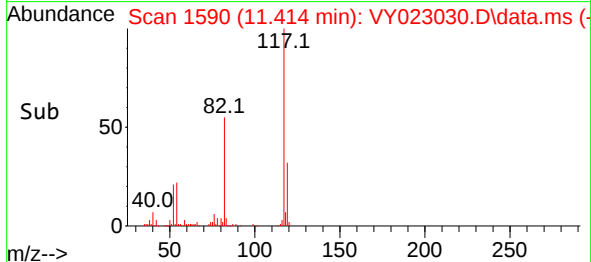
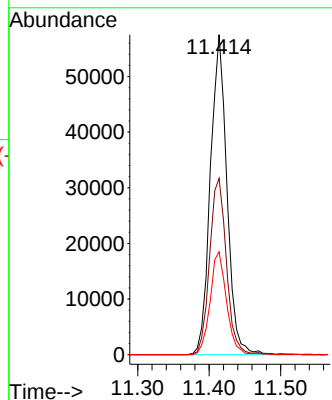
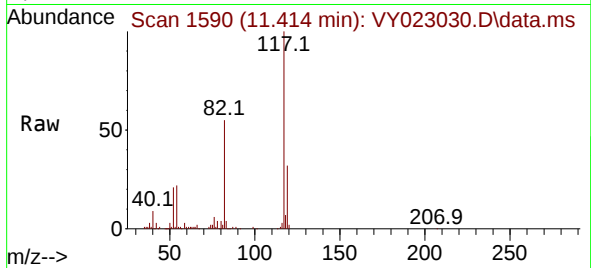




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023030.D
Acq: 21 Jul 2025 16:33

Instrument :
MSVOA_Y
ClientSampleId :
MH 2-1

Tgt Ion:117 Resp: 92355
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.2 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: VY023030.D
Acq: 21 Jul 2025 16:33

Tgt Ion:152 Resp: 32970
Ion Ratio Lower Upper
152 100
115 61.1 29.4 88.2
150 157.1 0.0 350.0

