

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022898.D
 Acq On : 01 Jul 2025 14:23
 Operator : SY/MD
 Sample : Q2458-04
 Misc : 3.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-67

Quant Time: Jul 02 02:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	206250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	466878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	481133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	195928	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176873	76.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.680%
35) Dibromofluoromethane	7.628	113	165355	58.237	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.480%
50) Toluene-d8	10.103	98	561432	49.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.660%
62) 4-Bromofluorobenzene	12.401	95	215150	59.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	118.800%

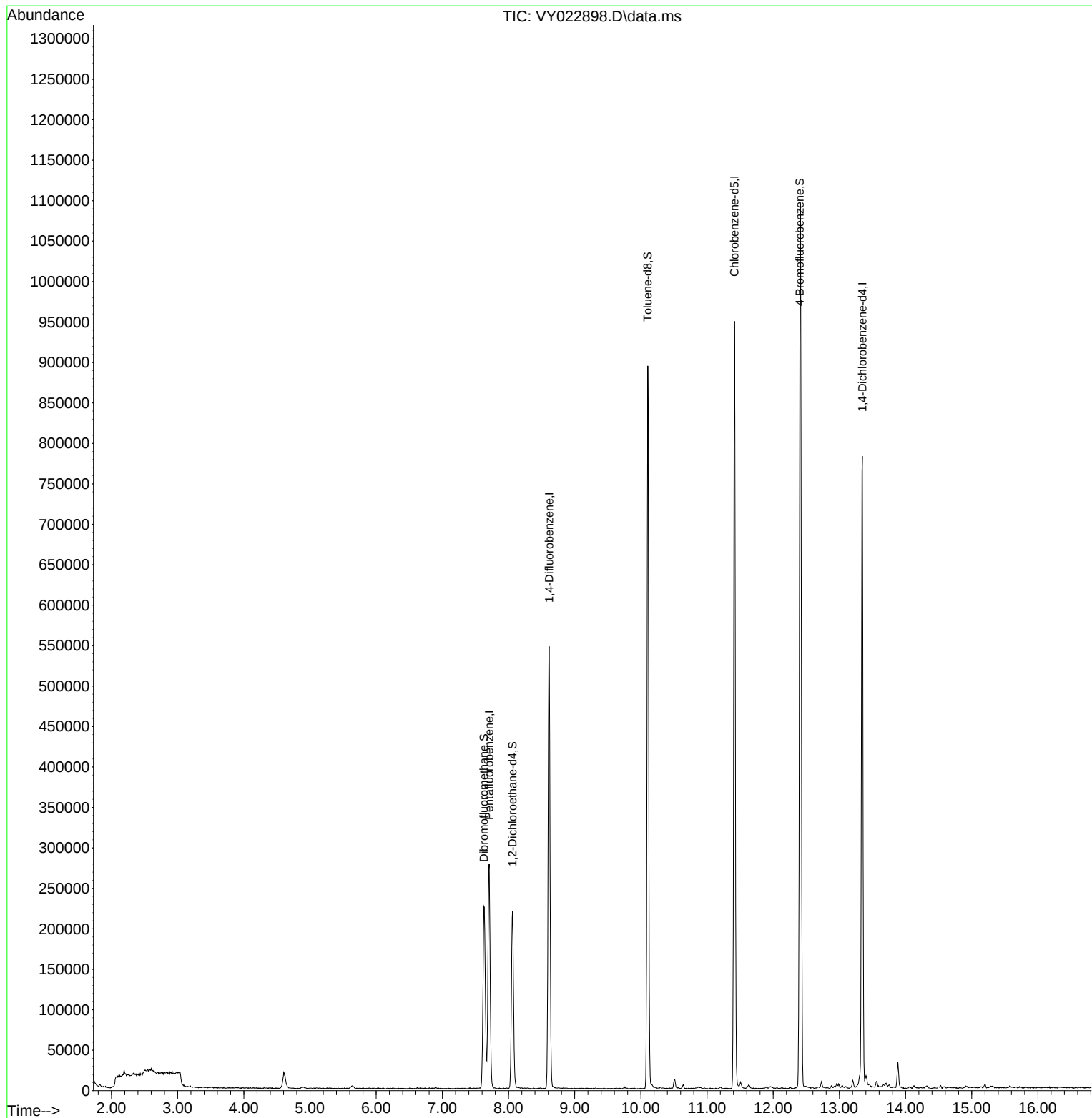
Target Compounds	Qvalue

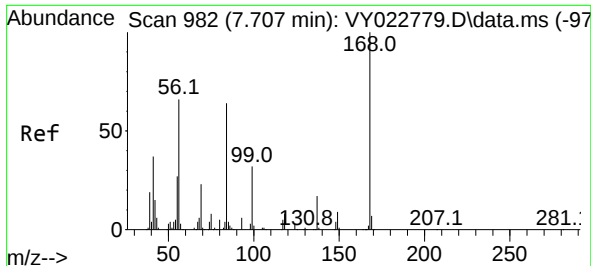
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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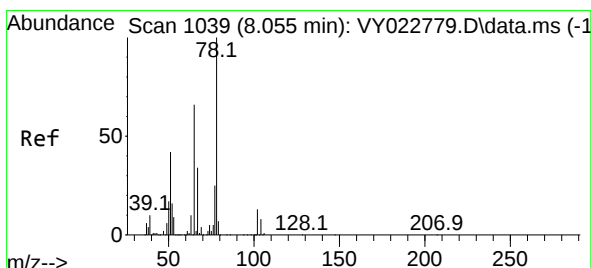
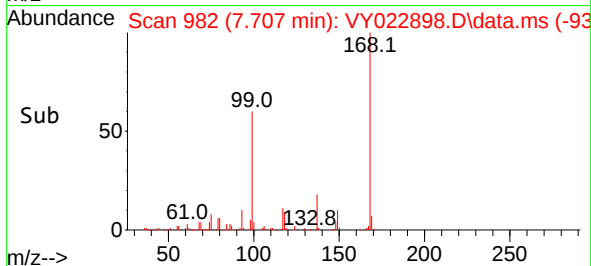
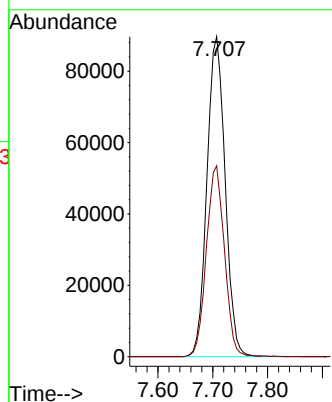
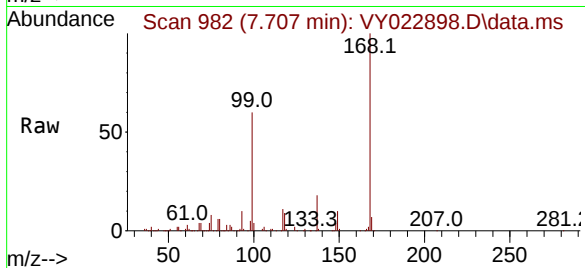




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

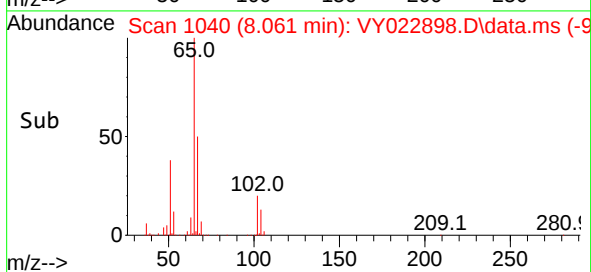
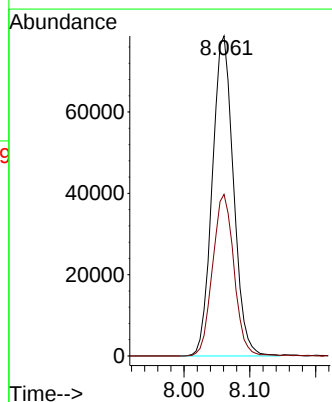
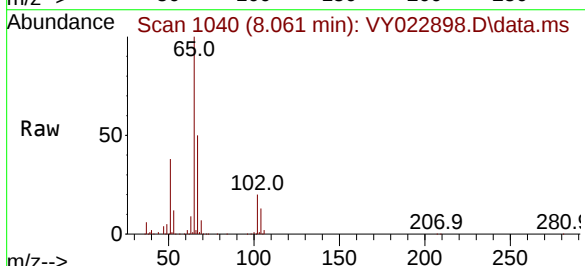
Instrument :
MSVOA_Y
ClientSampleId :
TP-67

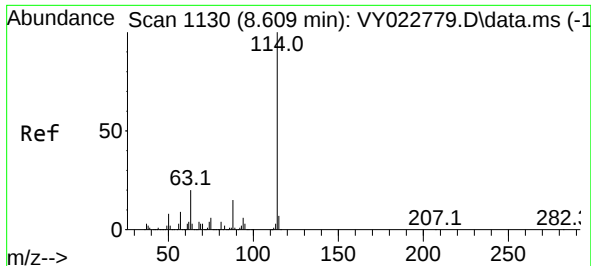
Tgt Ion:168 Resp: 206250
Ion Ratio Lower Upper
168 100
99 59.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 76.836 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Tgt Ion: 65 Resp: 176873
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022898.D

Acq: 01 Jul 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-67

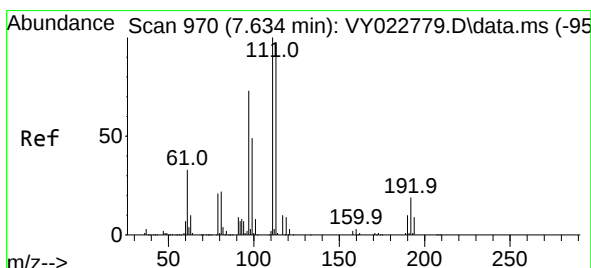
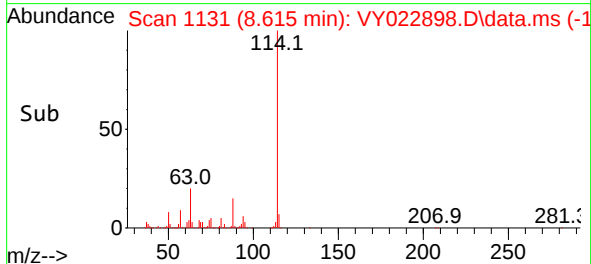
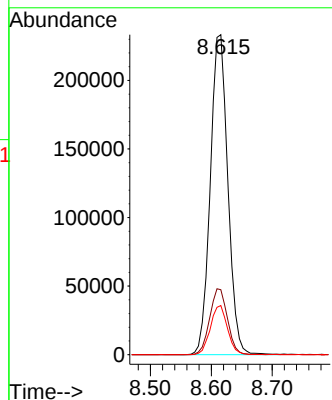
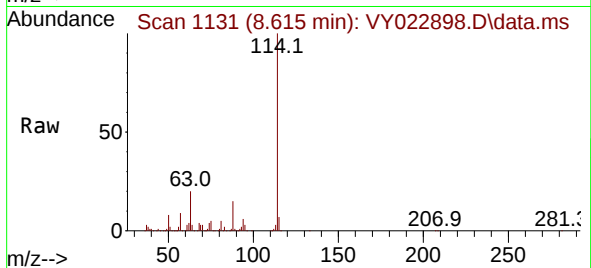
Tgt Ion:114 Resp: 466878

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 15.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 58.237 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022898.D

Acq: 01 Jul 2025 14:23

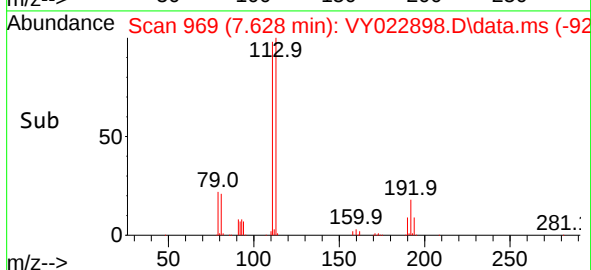
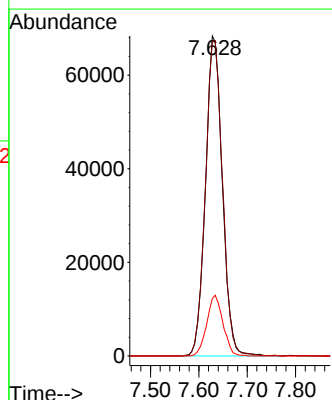
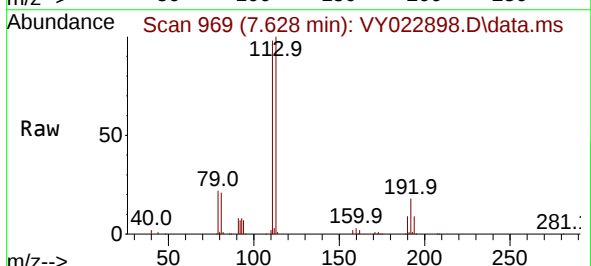
Tgt Ion:113 Resp: 165355

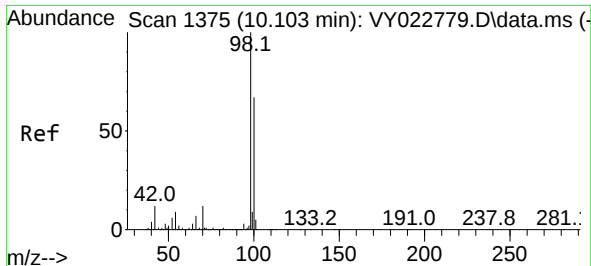
Ion Ratio Lower Upper

113 100

111 100.4 81.1 121.7

192 18.3 14.2 21.2

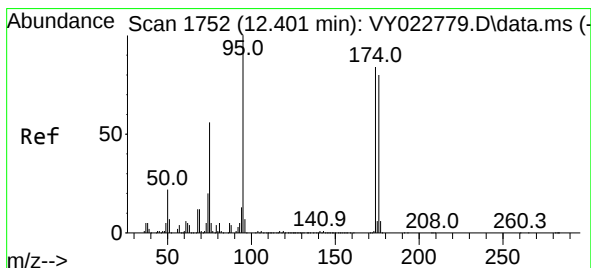
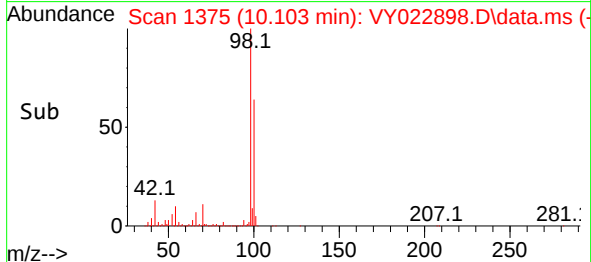
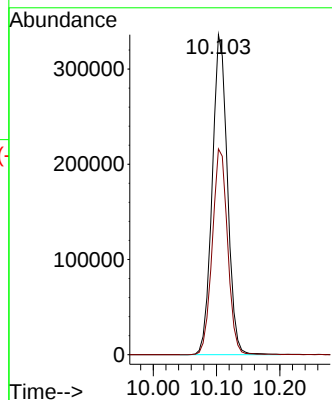
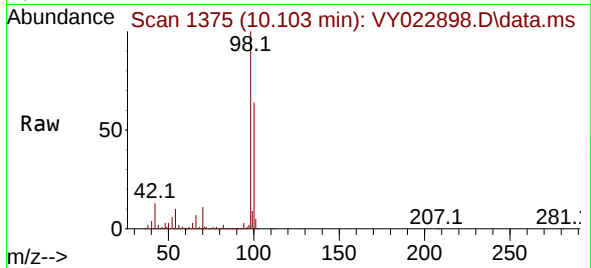




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

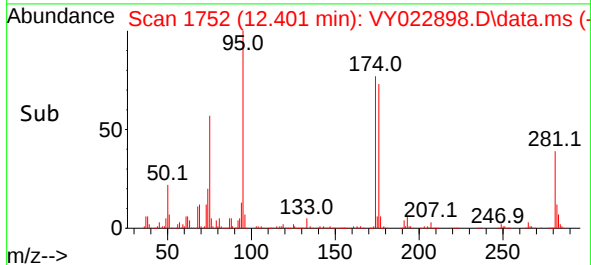
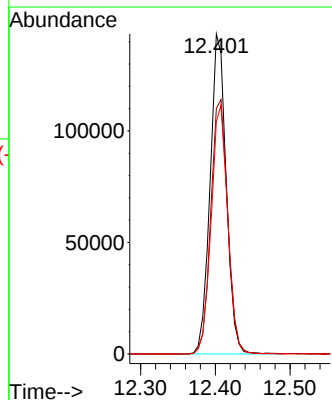
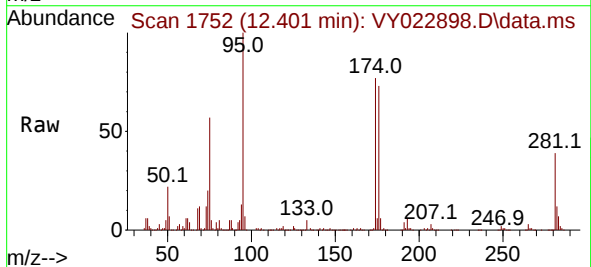
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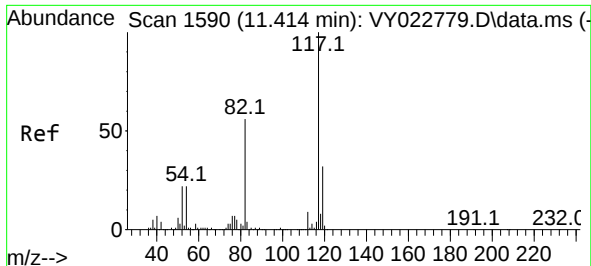
Tgt Ion: 98 Resp: 561432
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 59.402 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Tgt Ion: 95 Resp: 215150
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.0
176 80.0 0.0 166.2

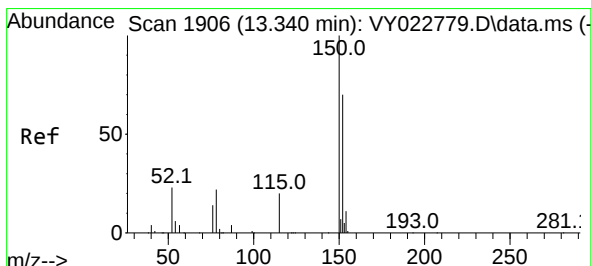
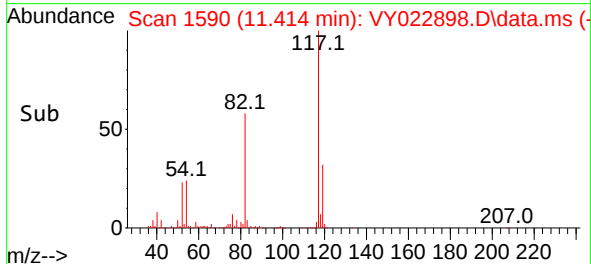
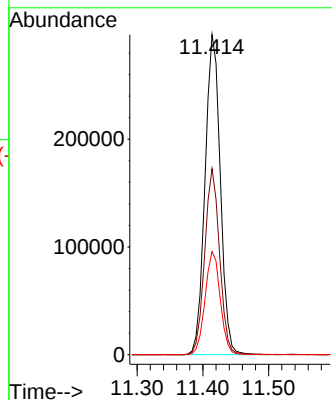
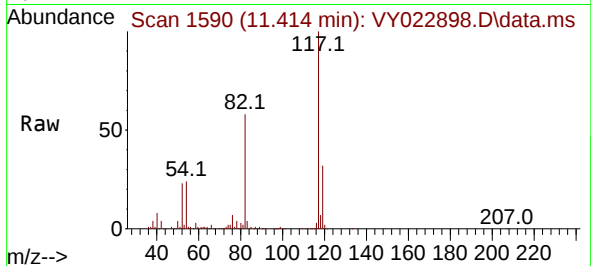




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Instrument :
MSVOA_Y
ClientSampleId :
TP-67

Tgt Ion:117 Resp: 481133
Ion Ratio Lower Upper
117 100
82 58.1 44.6 66.8
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Tgt Ion:152 Resp: 195928
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 153.3 0.0 349.6

