

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022763.D
 Acq On : 20 Jun 2025 14:35
 Operator : SY/MD
 Sample : Q2389-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-J-I-VOC

Quant Time: Jun 21 02:40:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	97117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	184937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	149983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	50475	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57233	52.691	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.380%
35) Dibromofluoromethane	7.634	113	56397	51.091	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.180%
50) Toluene-d8	10.109	98	224320	50.293	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.407	95	52926	39.826	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.660%

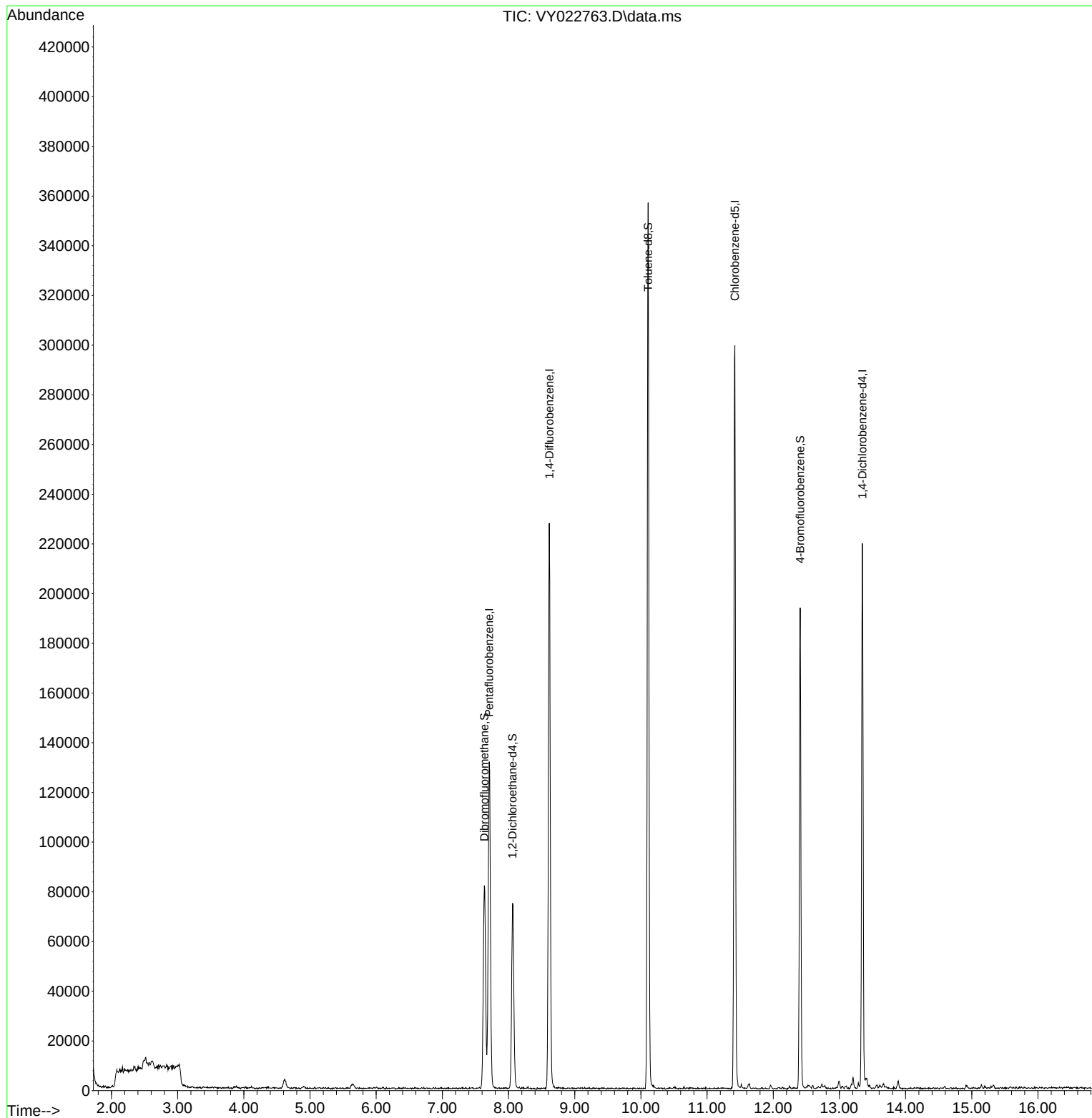
Target Compounds	Qvalue

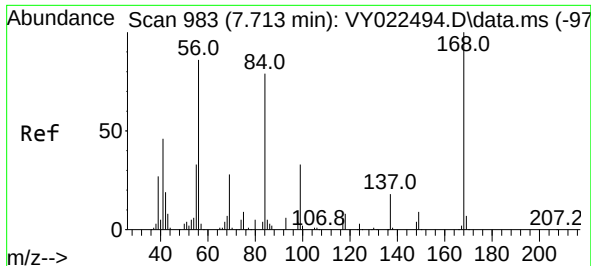
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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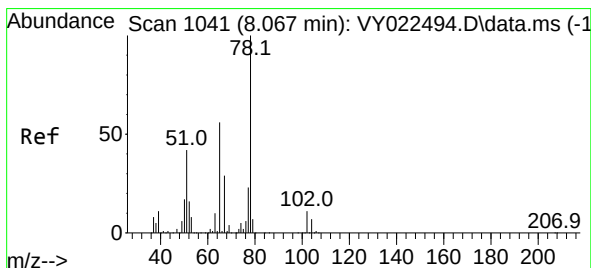
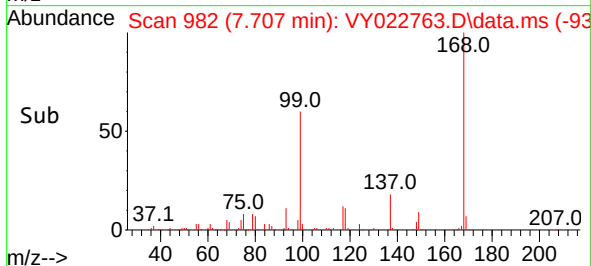
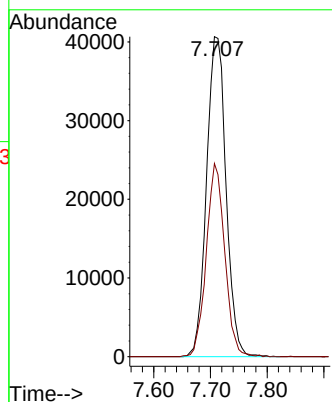
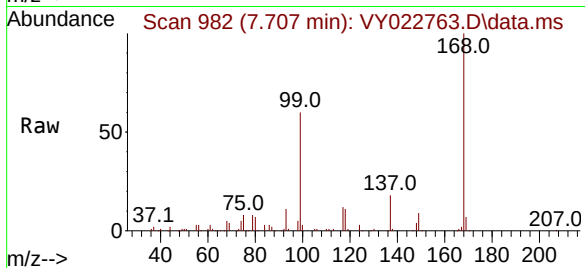




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

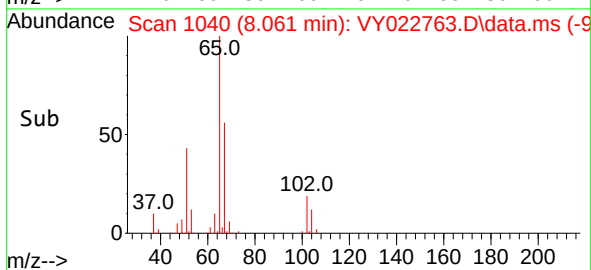
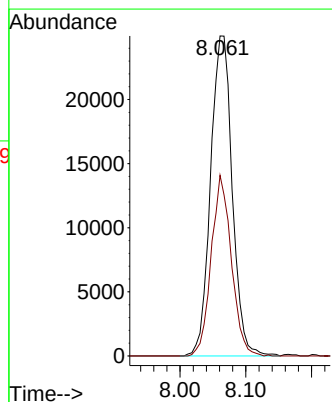
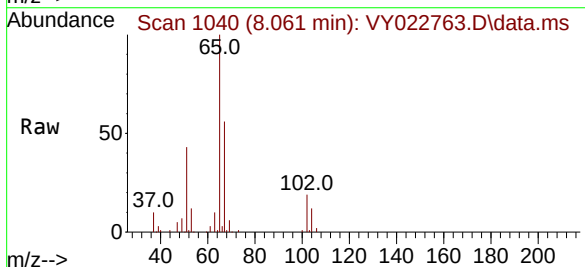
Instrument :
MSVOA_Y
ClientSampleId :
MH-J-I-VOC

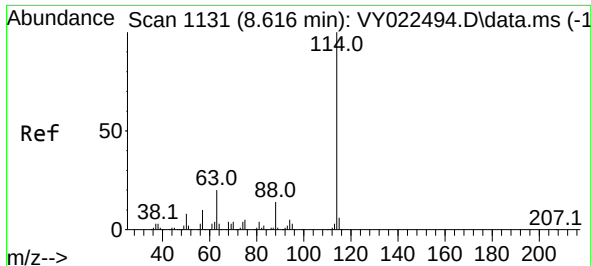
Tgt Ion:168 Resp: 97117
Ion Ratio Lower Upper
168 100
99 60.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 52.691 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion: 65 Resp: 57233
Ion Ratio Lower Upper
65 100
67 52.5 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: VY022763.D

Acq: 20 Jun 2025 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MH-J-I-VOC

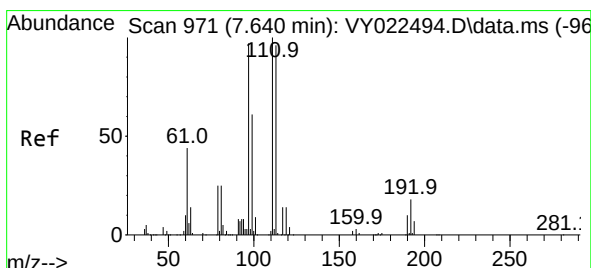
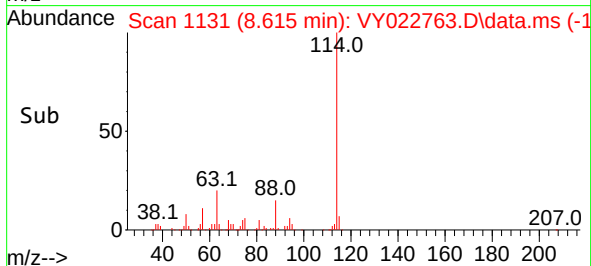
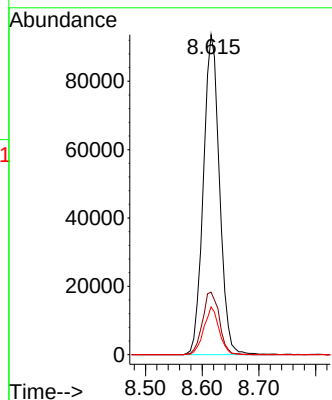
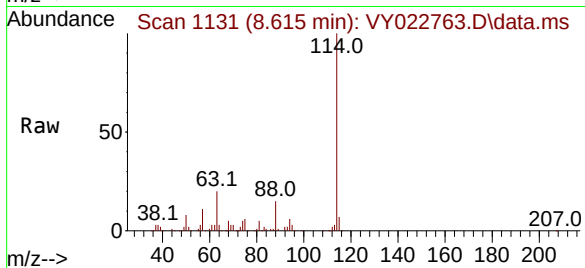
Tgt Ion:114 Resp: 184937

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 14.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.091 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022763.D

Acq: 20 Jun 2025 14:35

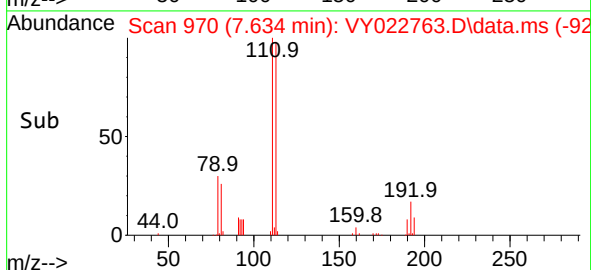
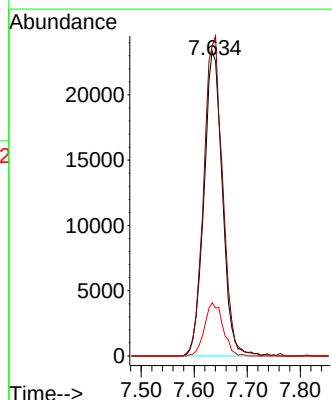
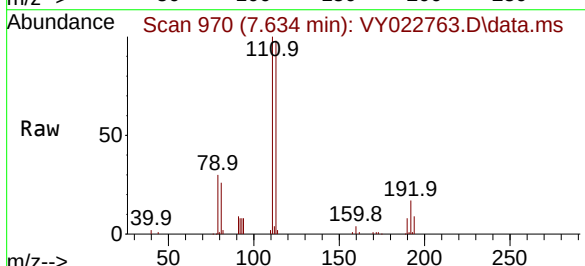
Tgt Ion:113 Resp: 56397

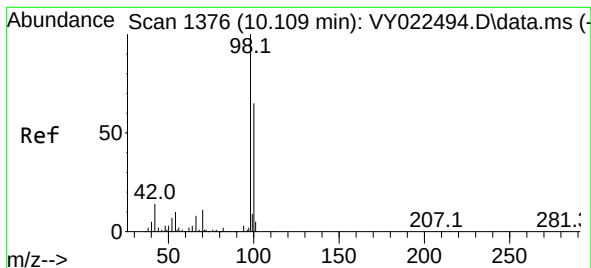
Ion Ratio Lower Upper

113 100

111 106.7 81.1 121.7

192 17.5 14.2 21.2

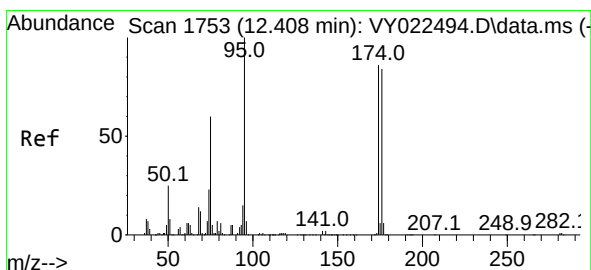
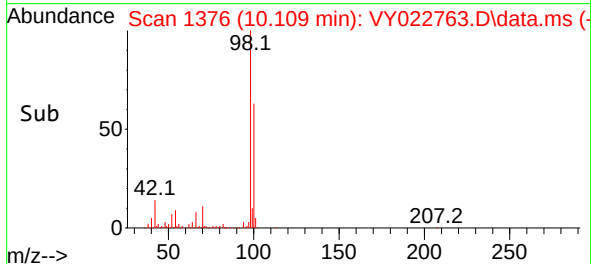
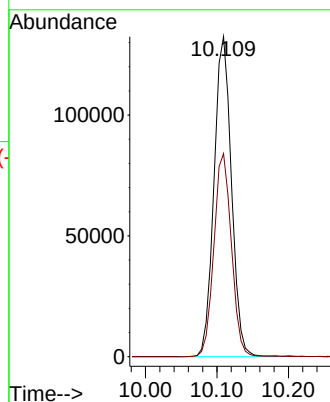
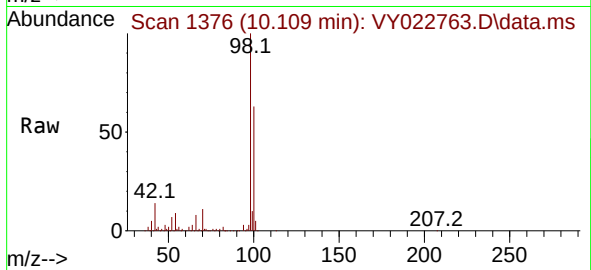




#50
Toluene-d8
Concen: 50.293 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

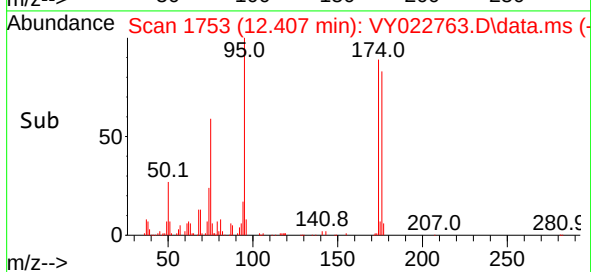
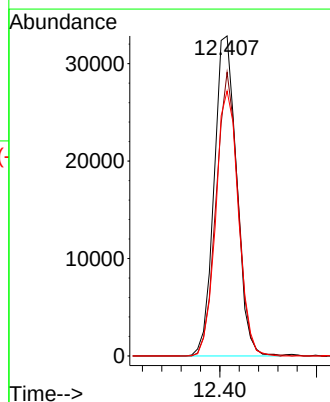
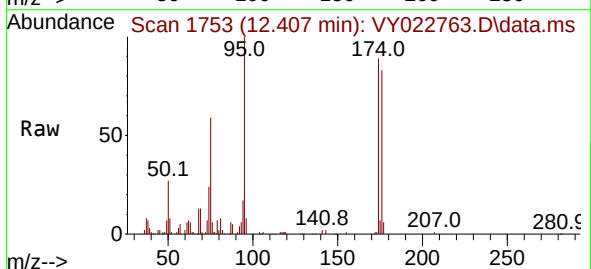
Instrument :
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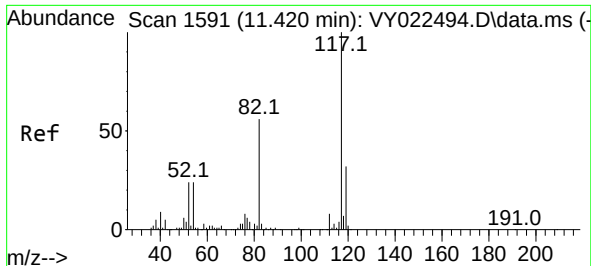
Tgt Ion: 98 Resp: 224320
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.826 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion: 95 Resp: 52926
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 83.3 0.0 166.2

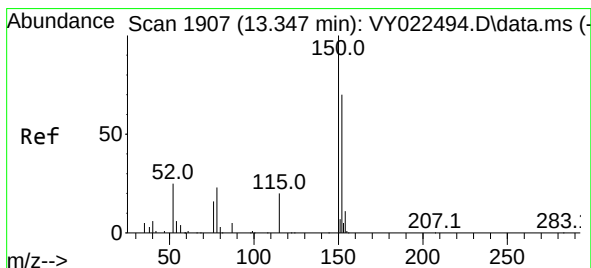
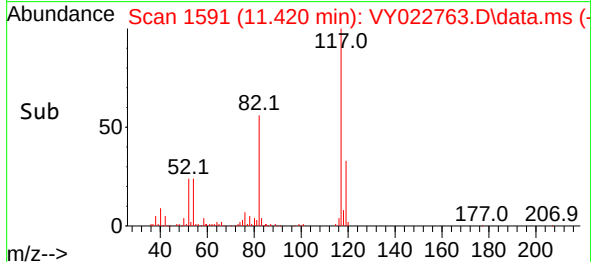
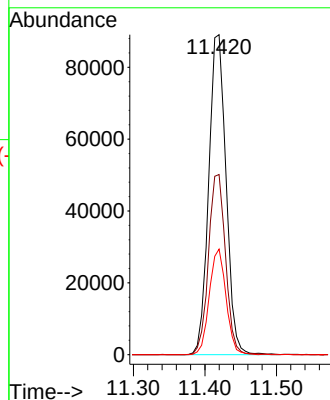
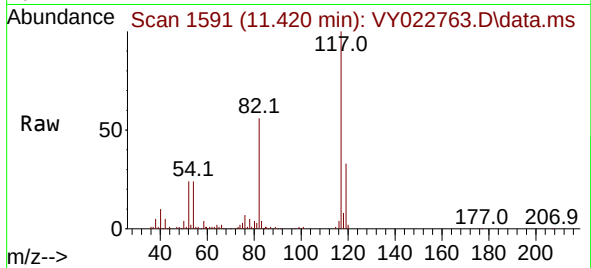




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MH-J-I-VOC

Tgt Ion:117 Resp: 149983
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 33.0 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: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion:152 Resp: 50475
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 159.8 0.0 349.6

