

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021812.D
 Acq On : 09 Apr 2025 12:30
 Operator : SY/MD
 Sample : Q1747-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0008

Quant Time: Apr 10 01:41:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	5910	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	8826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	7156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1632	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4232	66.091	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.180%
35) Dibromofluoromethane	7.634	113	4395	76.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	153.520%#
50) Toluene-d8	10.109	98	9618	44.158	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.320%
62) 4-Bromofluorobenzene	12.408	95	2401	32.590	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.180%

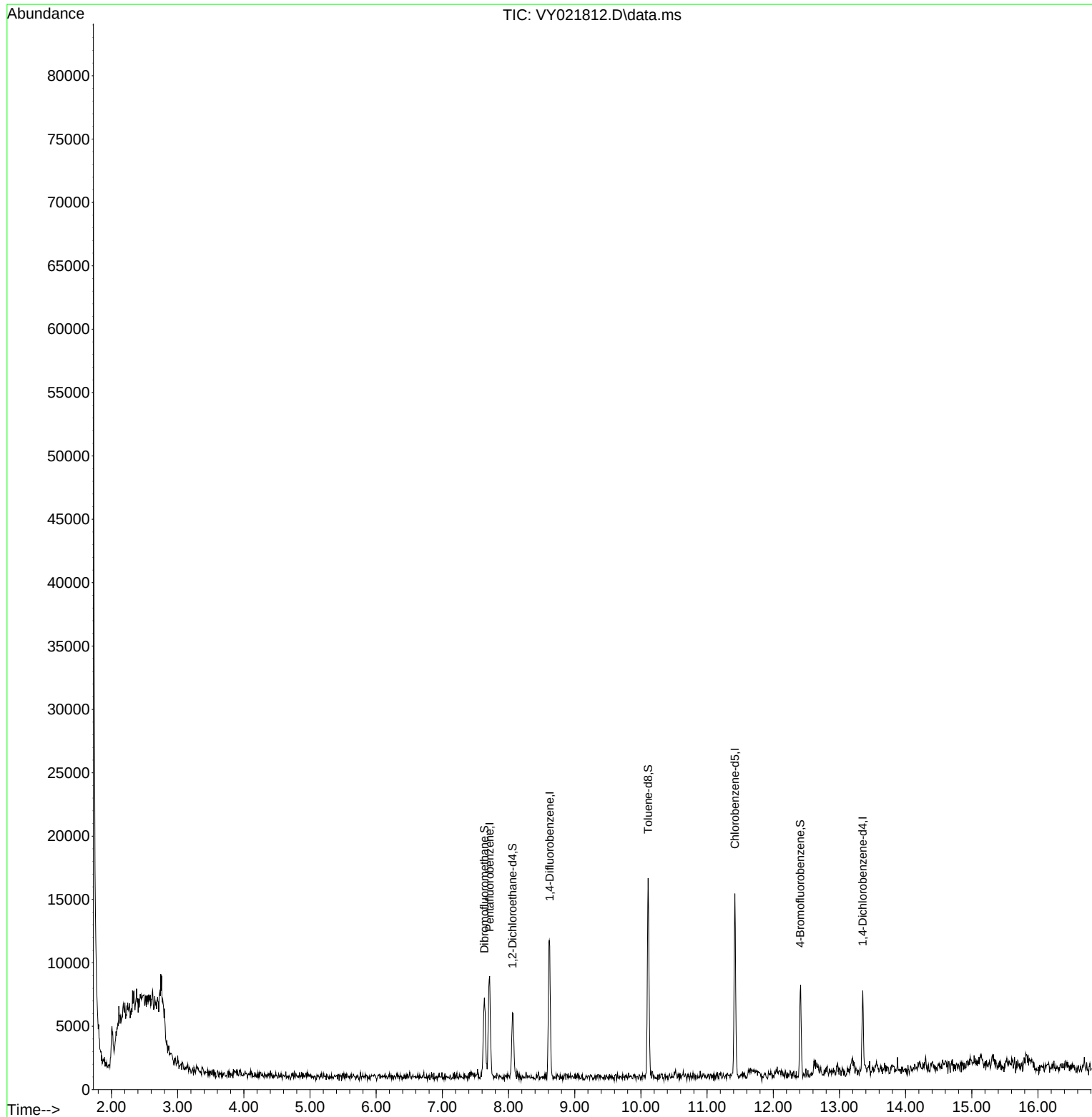
Target Compounds	Qvalue

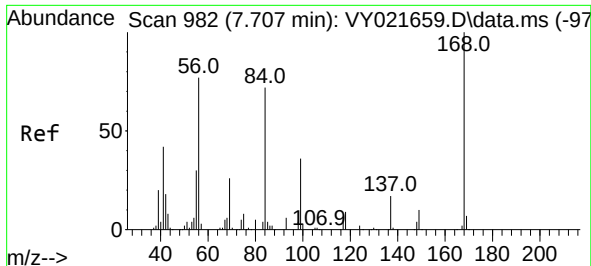
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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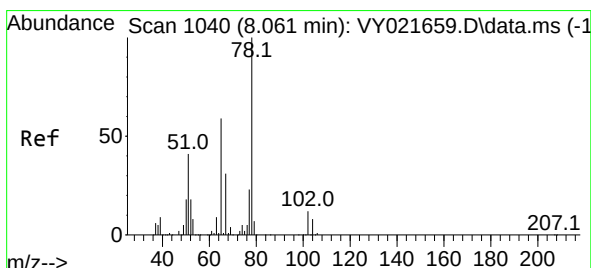
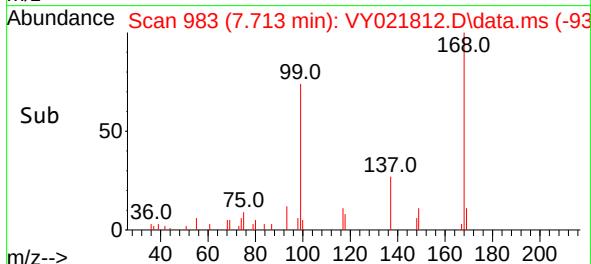
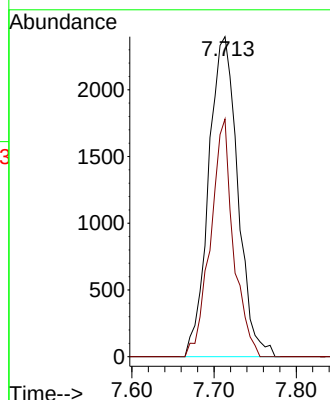
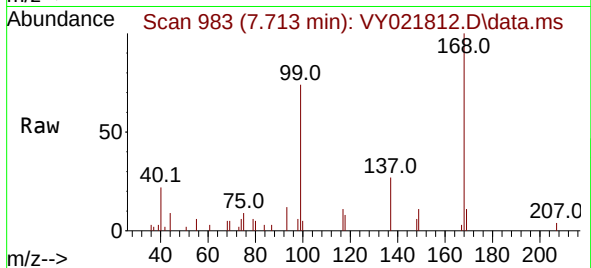




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

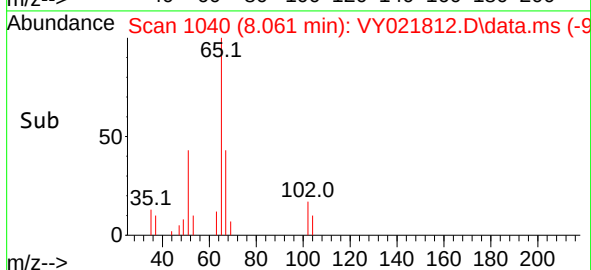
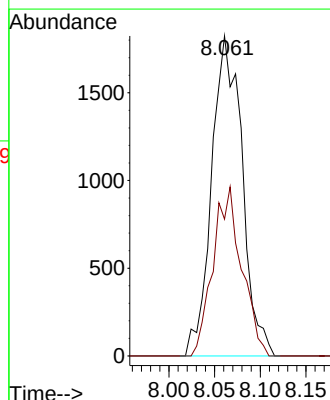
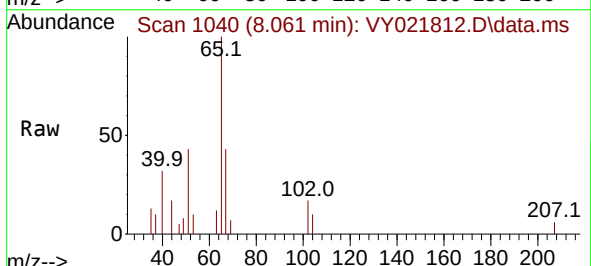
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

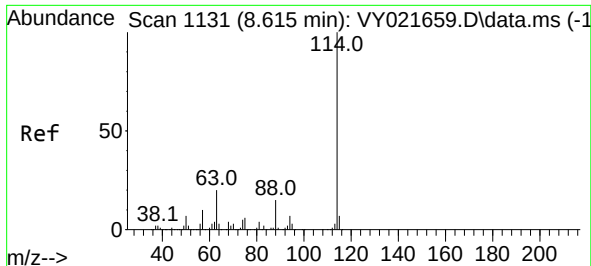
Tgt Ion:168 Resp: 5910
Ion Ratio Lower Upper
168 100
99 74.2 46.7 70.1#



#33
1,2-Dichloroethane-d4
Concen: 66.091 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 65 Resp: 4232
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY021812.D

Acq: 09 Apr 2025 12:30

Instrument :

MSVOA_Y

ClientSampleId :

ARS20-0008

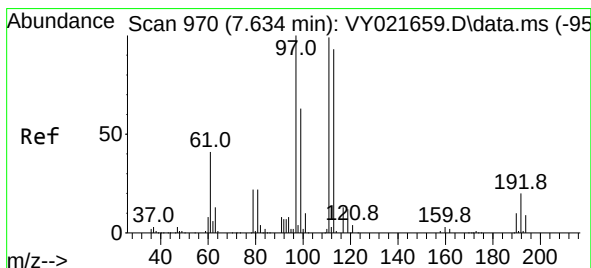
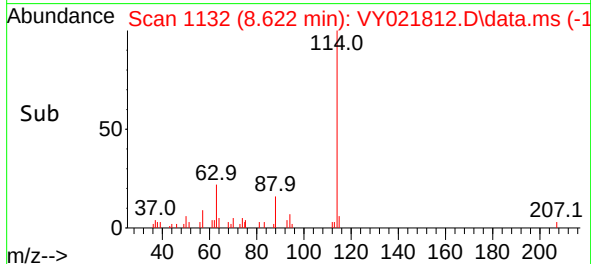
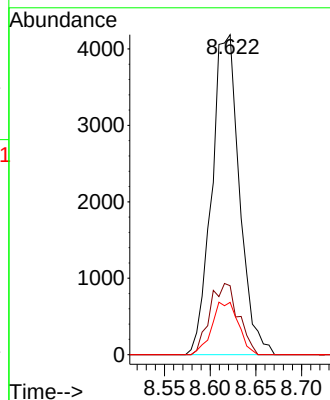
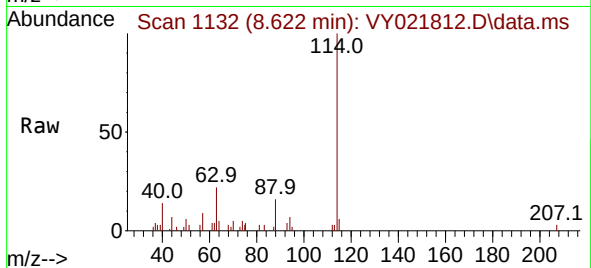
Tgt Ion:114 Resp: 8826

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.2

88 16.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 76.765 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021812.D

Acq: 09 Apr 2025 12:30

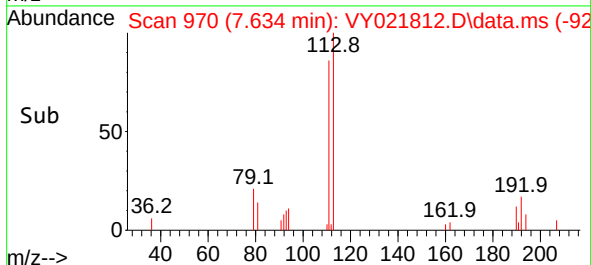
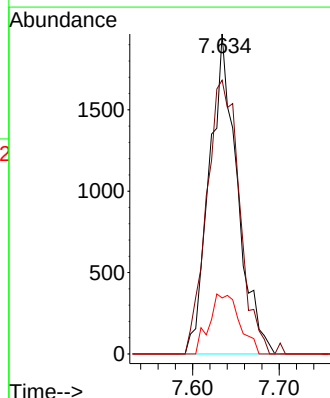
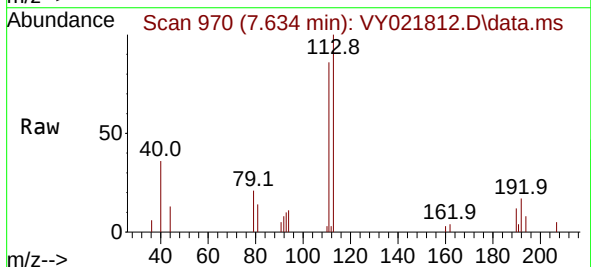
Tgt Ion:113 Resp: 4395

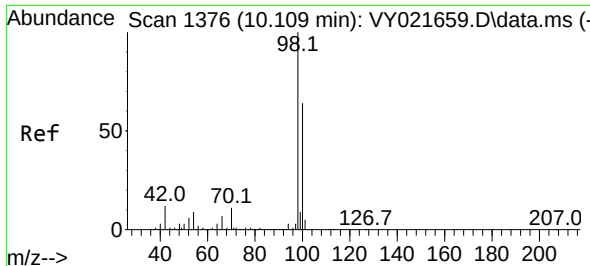
Ion Ratio Lower Upper

113 100

111 100.2 82.6 123.8

192 20.3 16.2 24.4

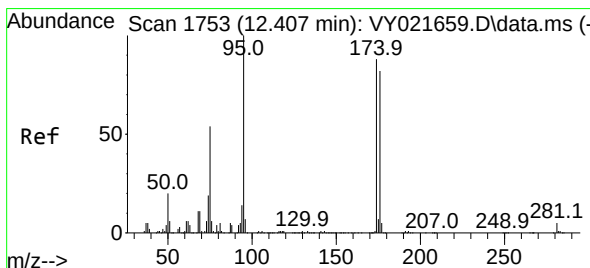
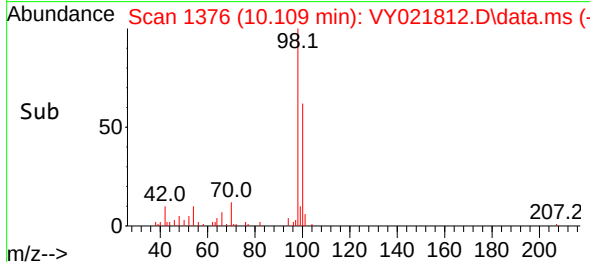
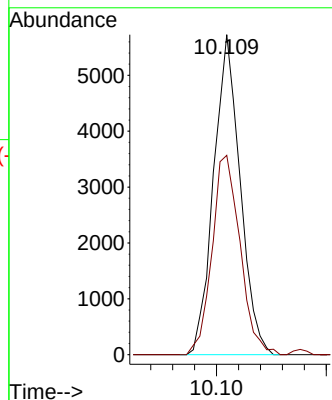
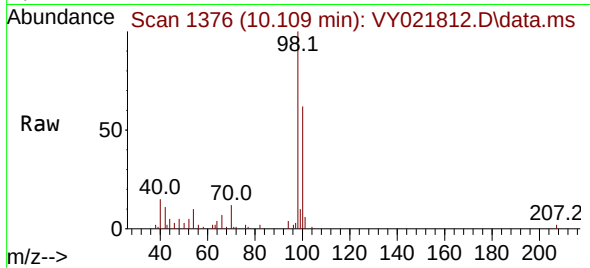




#50
Toluene-d8
Concen: 44.158 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

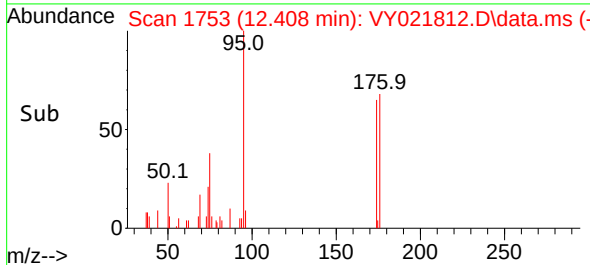
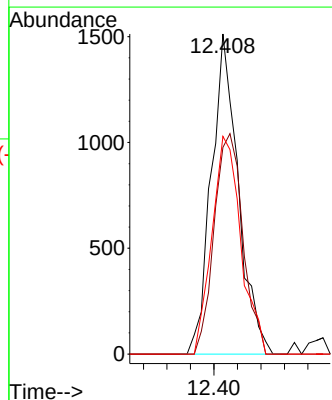
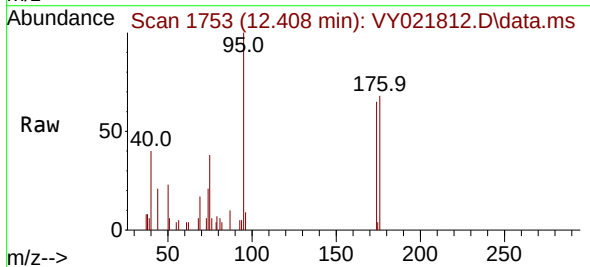
Instrument :
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ARS20-0008

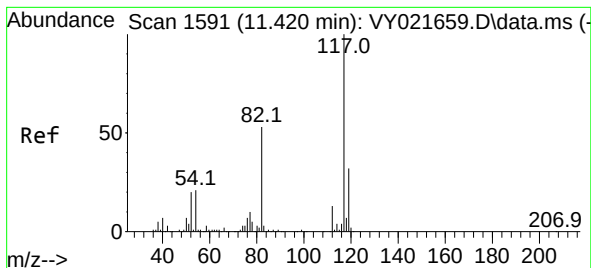
Tgt Ion: 98 Resp: 9618
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 32.590 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 95 Resp: 2401
Ion Ratio Lower Upper
95 100
174 73.8 0.0 170.8
176 73.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021812.D

Acq: 09 Apr 2025 12:30

Instrument :

MSVOA_Y

ClientSampleId :

ARS20-0008

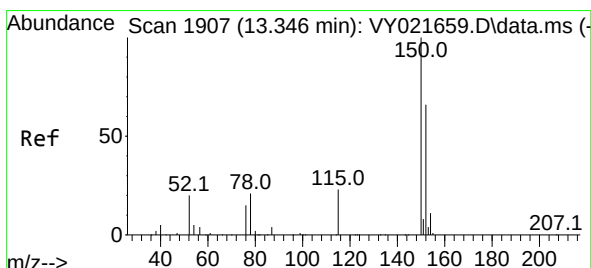
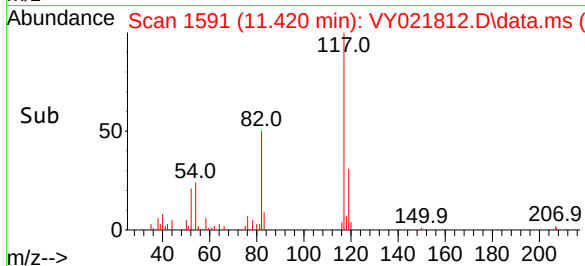
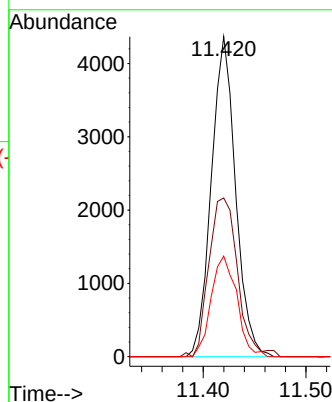
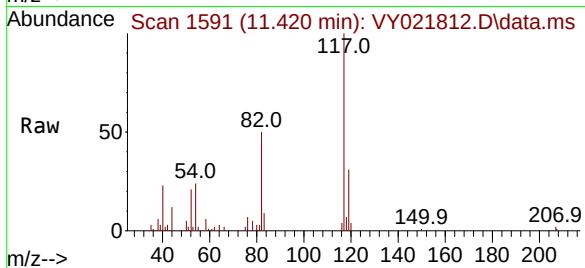
Tgt Ion:117 Resp: 7156

Ion Ratio Lower Upper

117 100

82 49.6 42.8 64.2

119 31.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021812.D

Acq: 09 Apr 2025 12:30

Tgt Ion:152 Resp: 1632

Ion Ratio Lower Upper

152 100

115 64.8 28.8 86.5

150 149.7 0.0 348.4

