

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021728.D
 Acq On : 31 Mar 2025 18:32
 Operator : SY/MD
 Sample : Q1674-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11991

Quant Time: Apr 01 05:41:15 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	7.707	168	244724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161139	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139045	52.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.880%
35) Dibromofluoromethane	7.634	113	146478	51.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.240%
50) Toluene-d8	10.103	98	527343	48.846	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.401	95	166908	45.707	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.420%

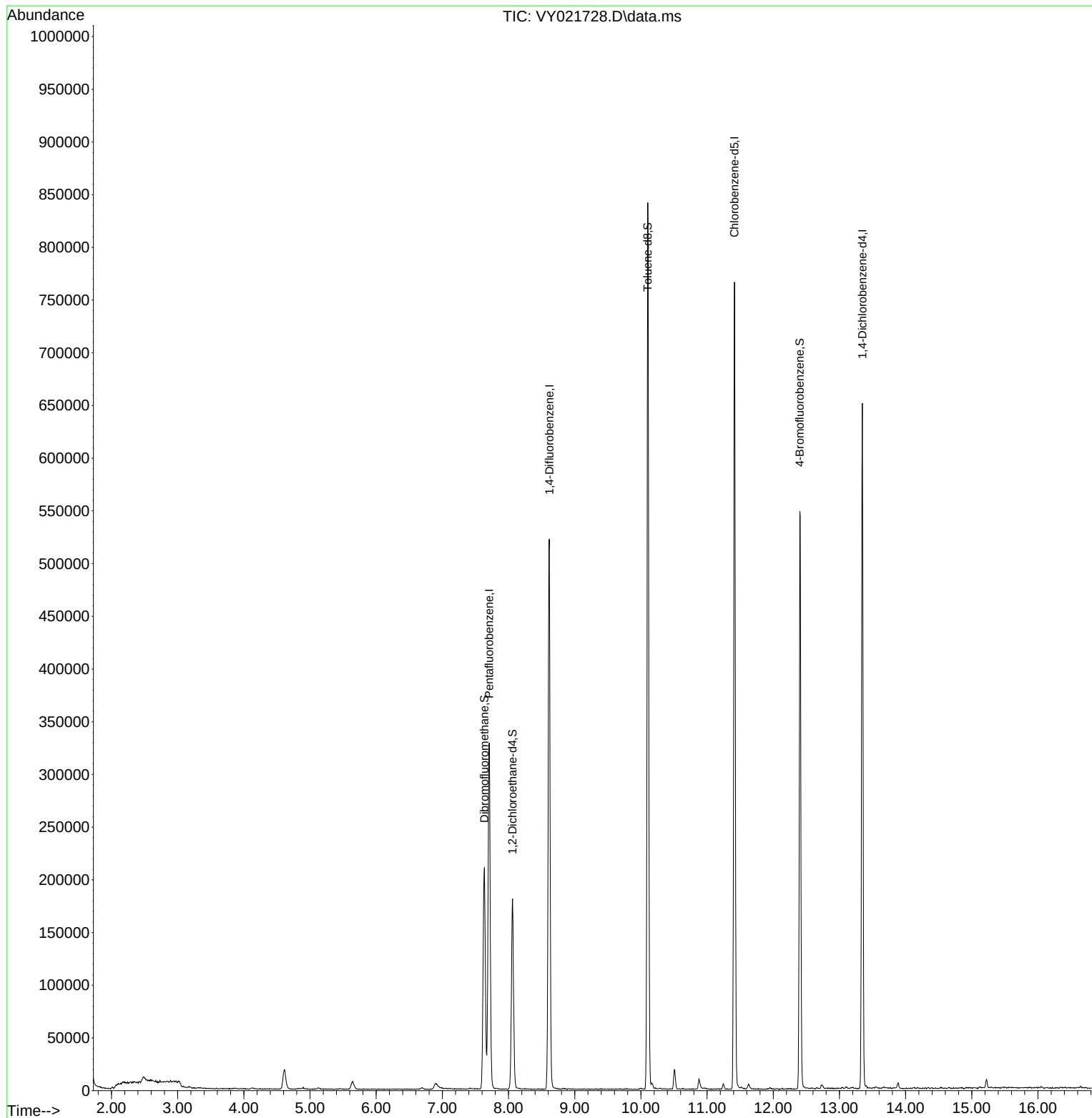
Target Compounds	Qvalue

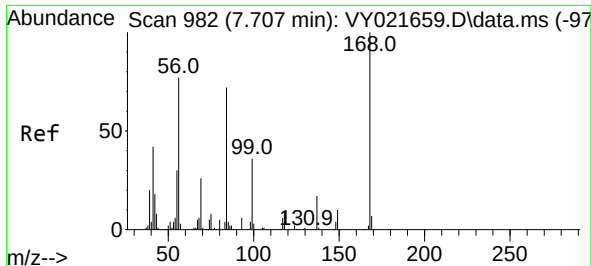
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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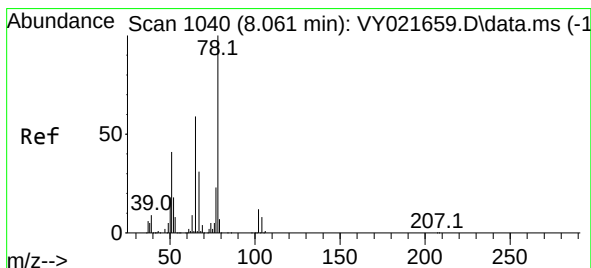
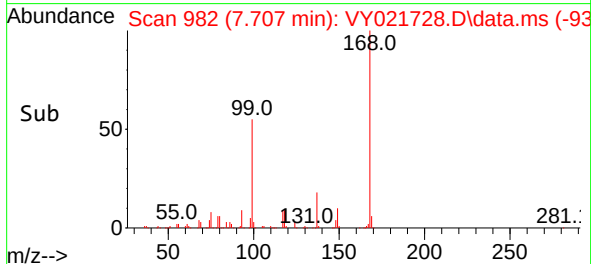
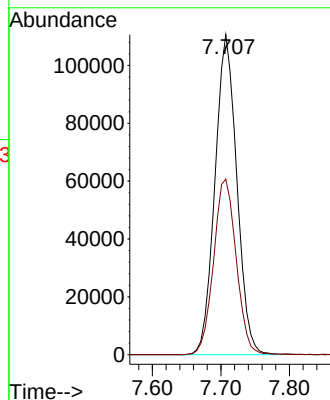
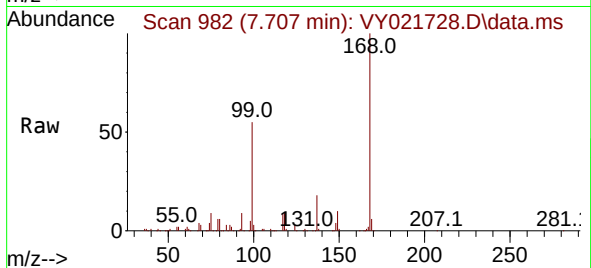




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

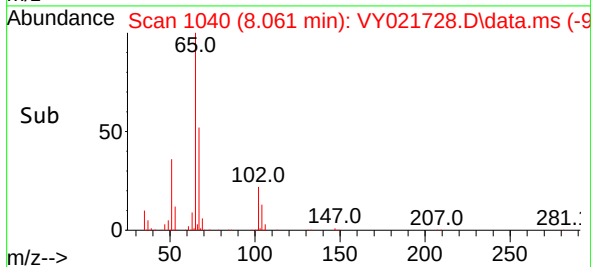
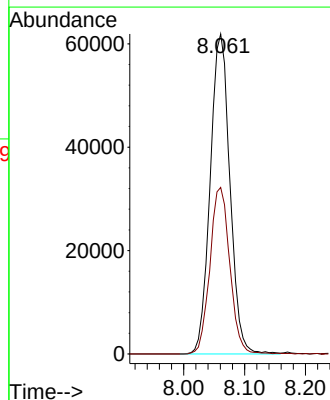
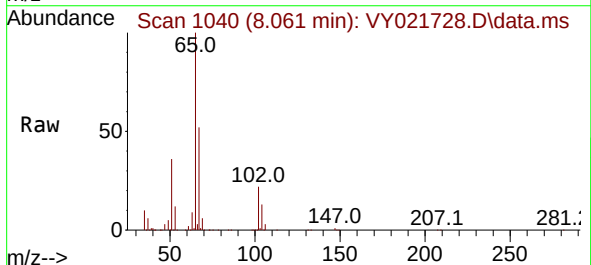
Instrument :
MSVOA_Y
ClientSampleId :
72-11991

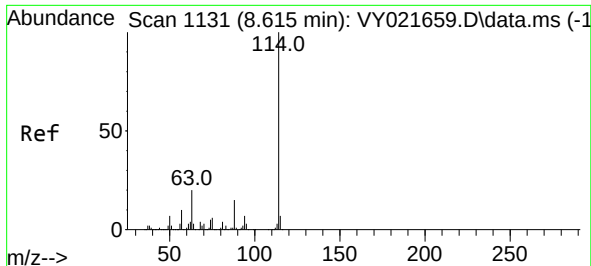
Tgt Ion:168 Resp: 244724
Ion Ratio Lower Upper
168 100
99 54.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.440 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion: 65 Resp: 139045
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

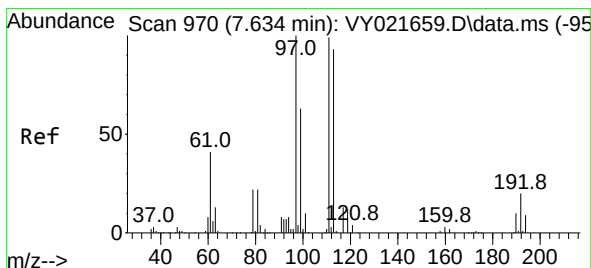
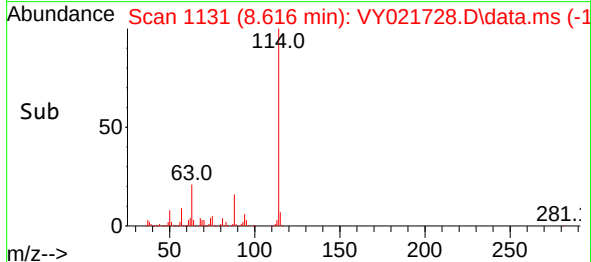
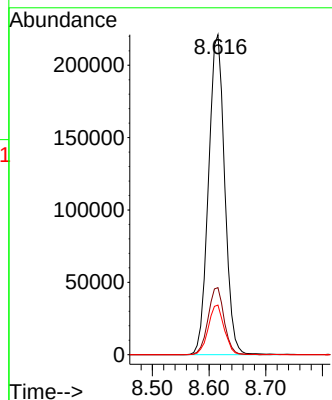
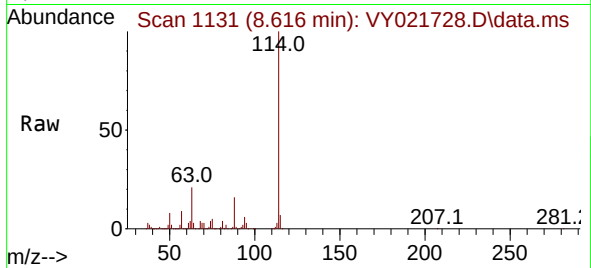




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

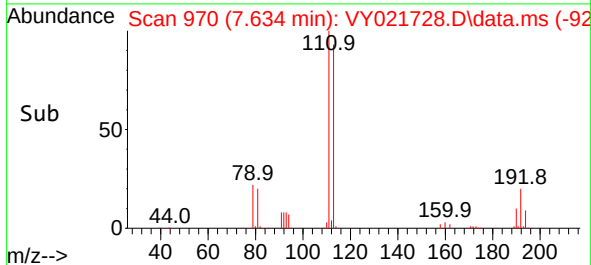
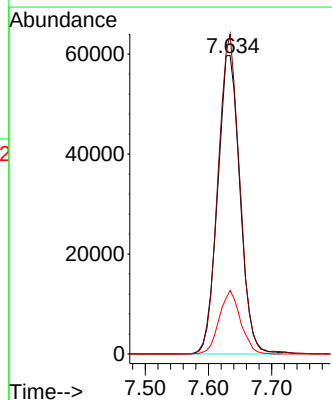
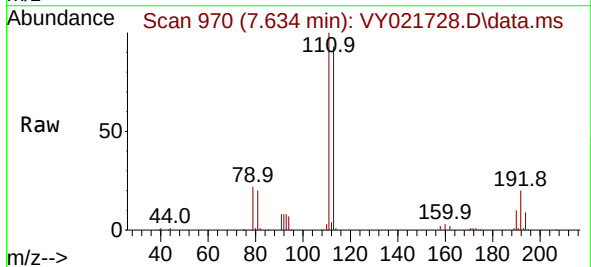
Instrument :
MSVOA_Y
ClientSampleId :
72-11991

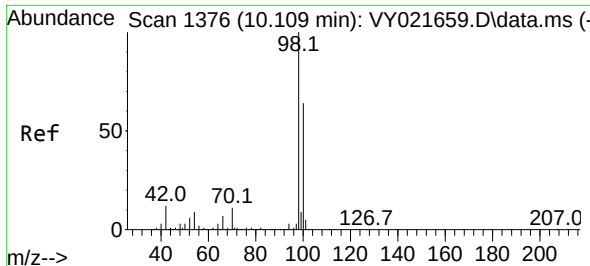
Tgt Ion:114 Resp: 437479
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.2
88 15.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.616 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion:113 Resp: 146478
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 20.2 16.2 24.4

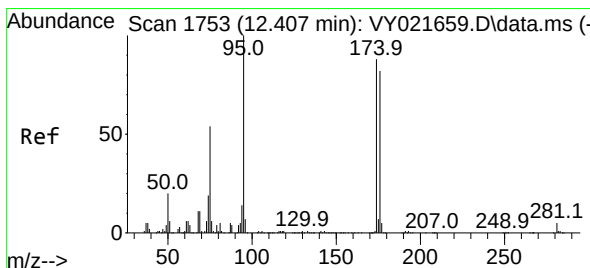
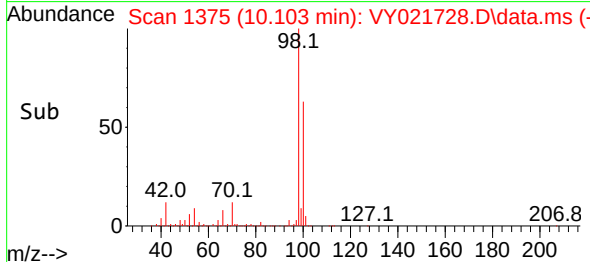
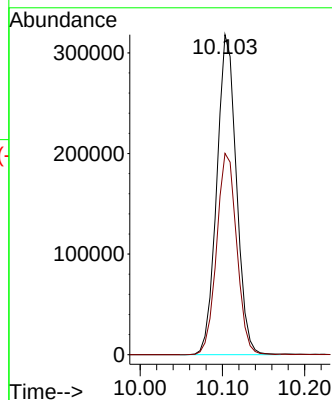
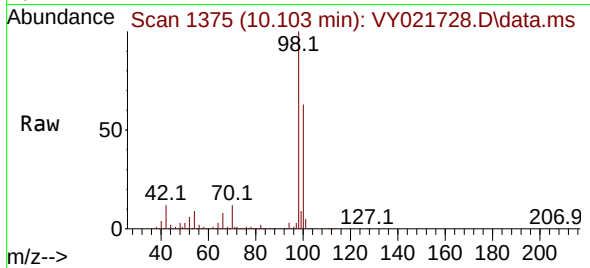




#50
Toluene-d8
Concen: 48.846 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

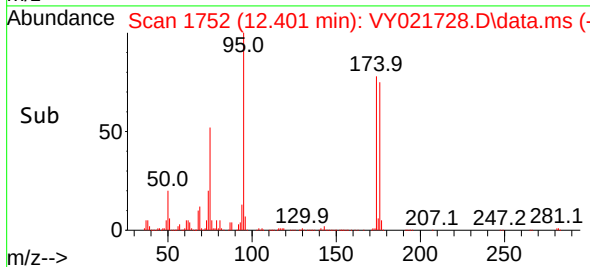
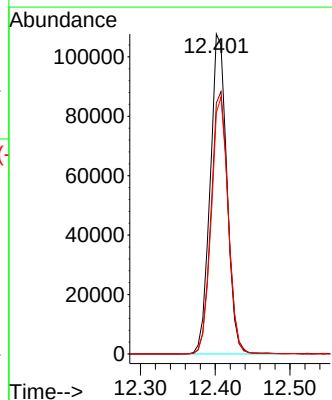
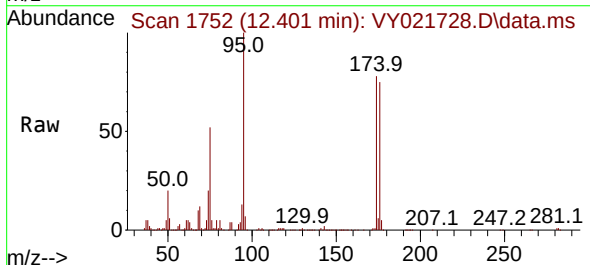
Instrument :
MSVOA_Y
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72-11991

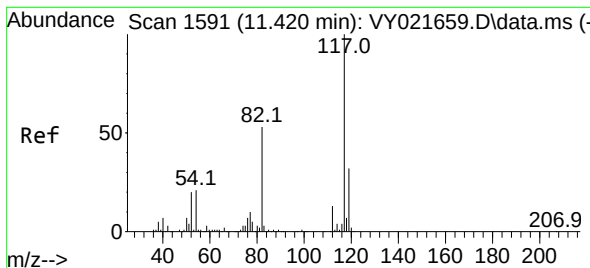
Tgt Ion: 98 Resp: 527343
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.707 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021728.D
Acq: 31 Mar 2025 18:32

Tgt Ion: 95 Resp: 166908
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 81.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021728.D

Acq: 31 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

72-11991

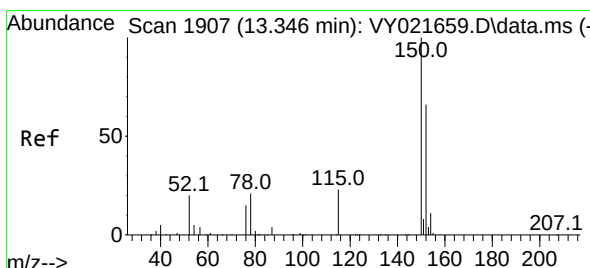
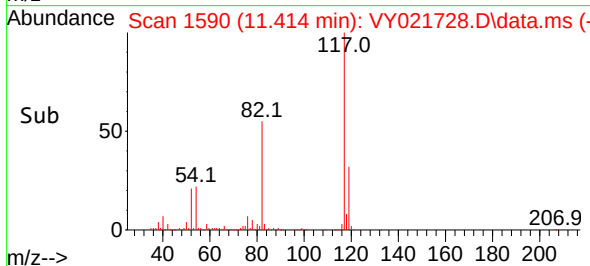
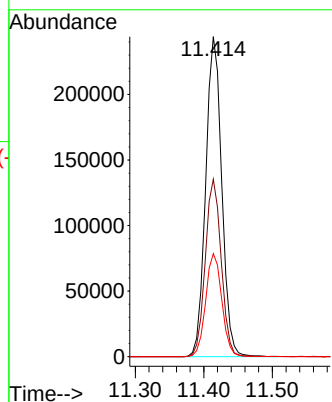
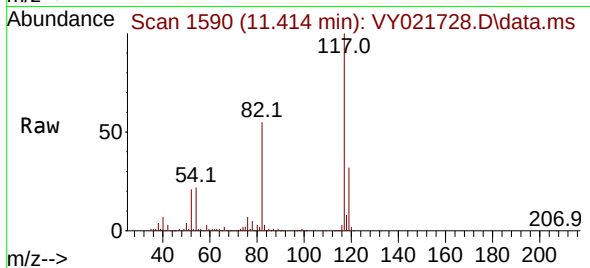
Tgt Ion:117 Resp: 398053

Ion Ratio Lower Upper

117 100

82 55.4 42.8 64.2

119 32.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021728.D

Acq: 31 Mar 2025 18:32

Tgt Ion:152 Resp: 161139

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 157.6 0.0 348.4

