

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031798.D
 Acq On : 10 Jul 2025 13:25
 Operator : SY/MD
 Sample : Q2529-05
 Misc : 5.54g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-98

Quant Time: Jul 11 02:19:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	168081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	382359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	360038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	165092	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	141074	58.485	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	116.960%
35) Dibromofluoromethane	7.904	113	115518	46.299	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.600%
50) Toluene-d8	10.331	98	454159	48.913	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.617	95	178941	52.369	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.740%

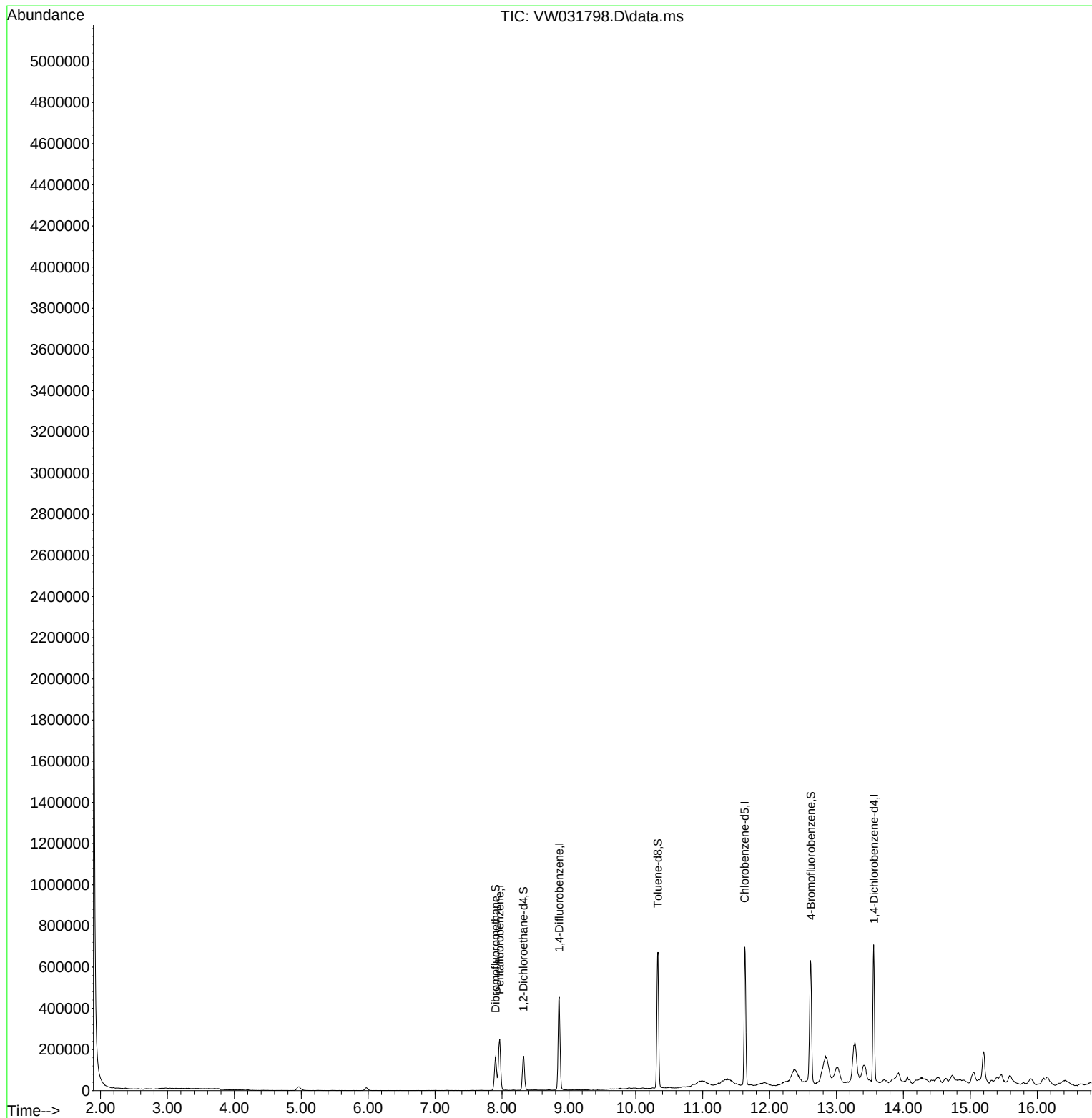
Target Compounds	Qvalue

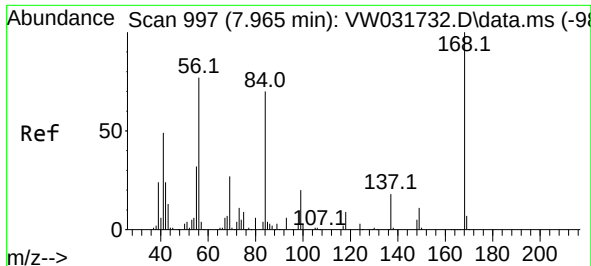
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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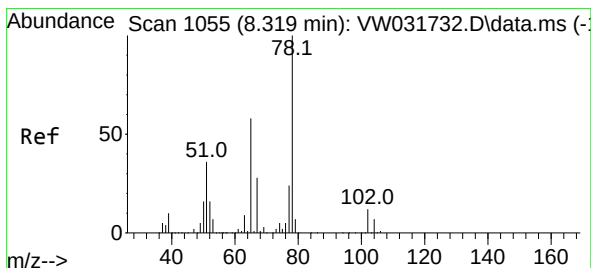
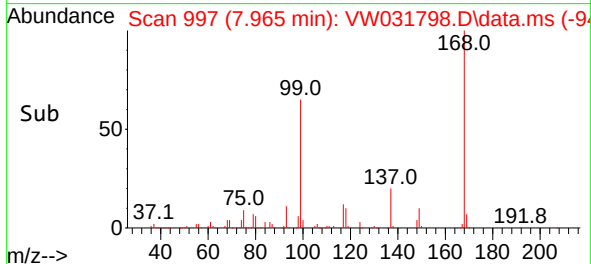
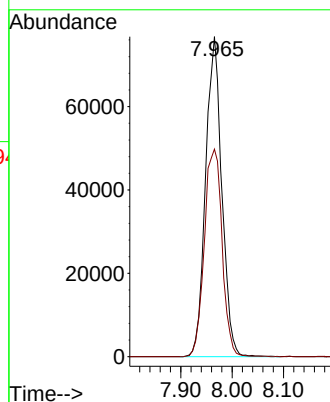
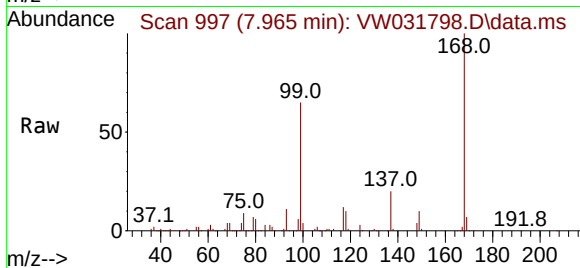




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

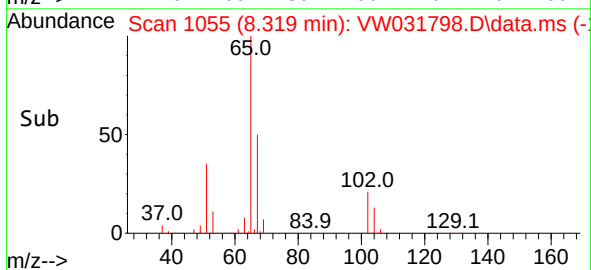
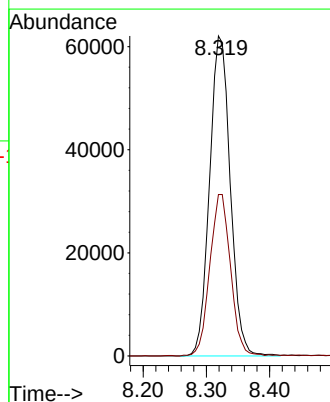
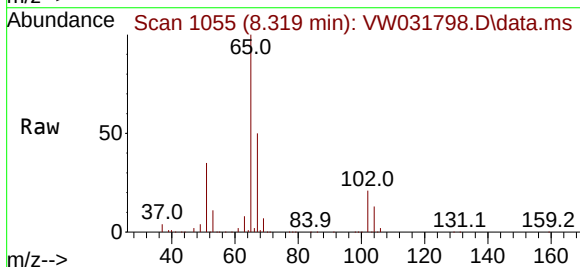
Instrument :
MSVOA_W
ClientSampleId :
TP-98

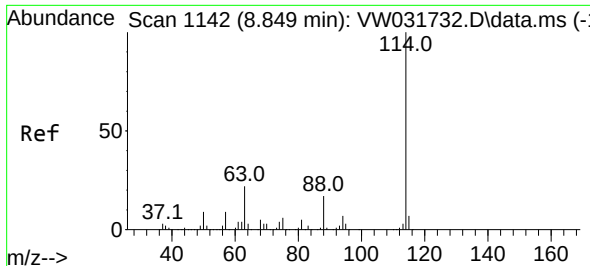
Tgt Ion:168 Resp: 168081
Ion Ratio Lower Upper
168 100
99 64.9 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 58.485 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

Tgt Ion: 65 Resp: 141074
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4

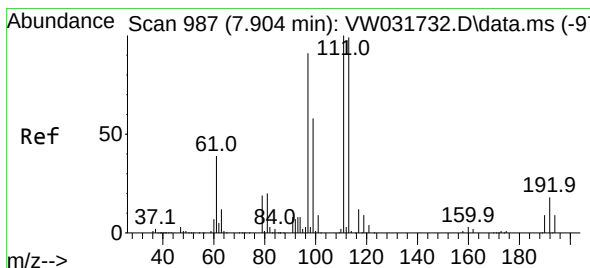
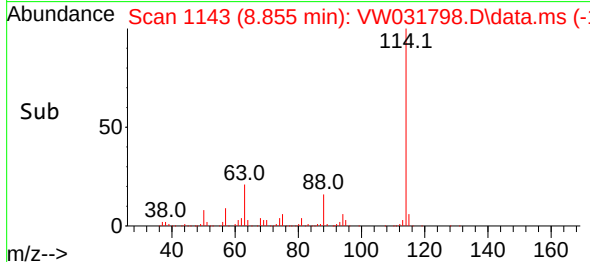
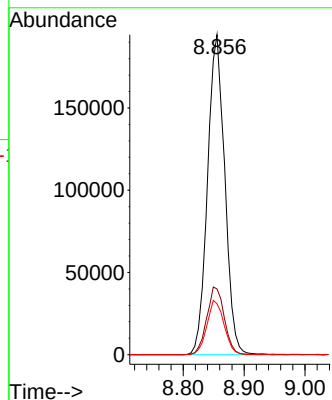
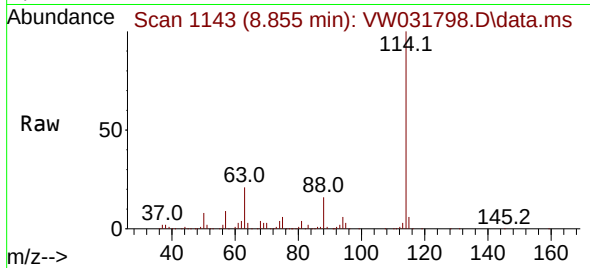




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

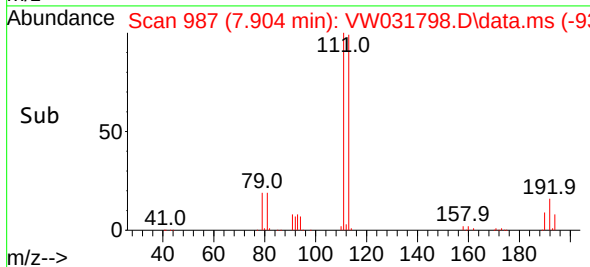
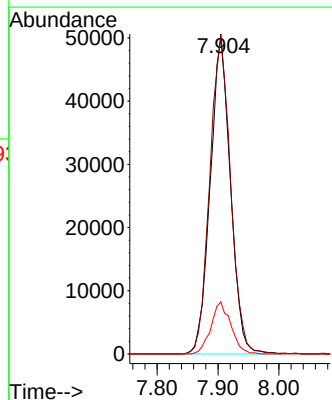
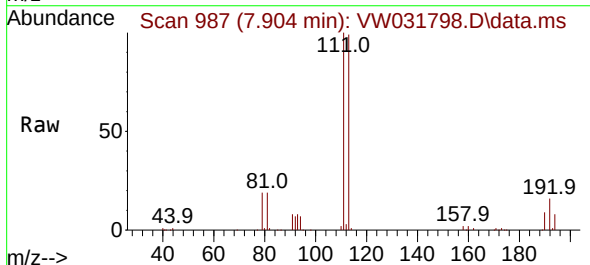
Instrument :
MSVOA_W
ClientSampleId :
TP-98

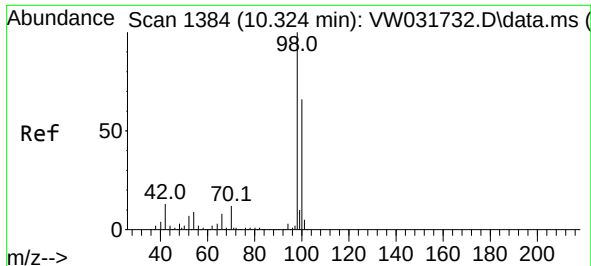
Tgt Ion:114 Resp: 382359
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.6
88 15.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.299 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

Tgt Ion:113 Resp: 115518
Ion Ratio Lower Upper
113 100
111 103.4 82.1 123.1
192 16.2 13.8 20.6

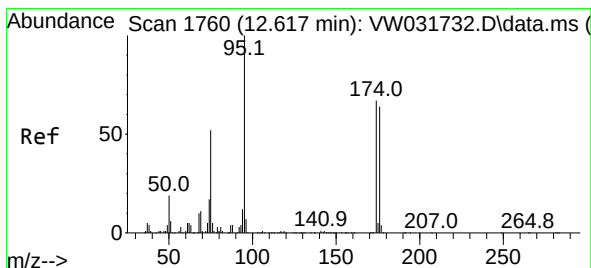
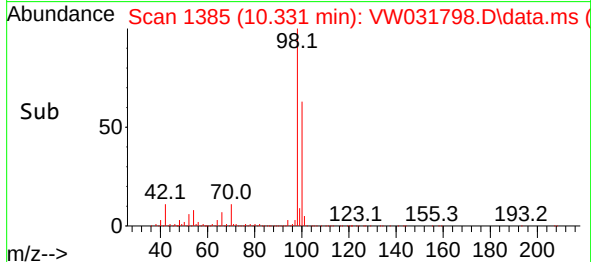
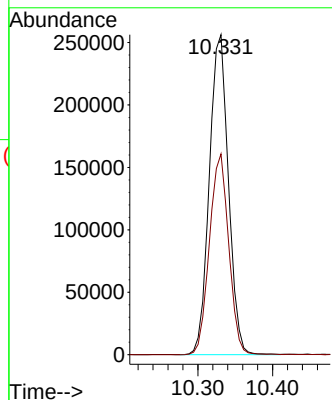
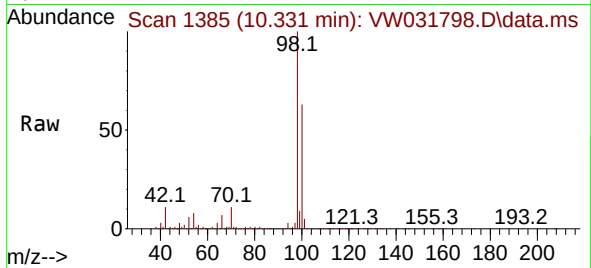




#50
Toluene-d8
Concen: 48.913 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

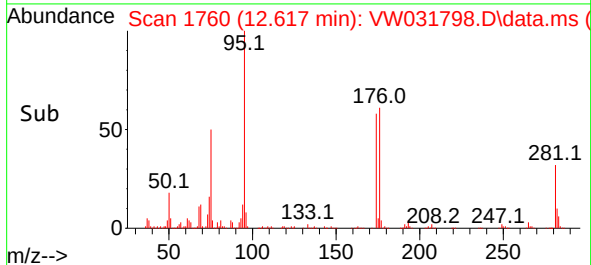
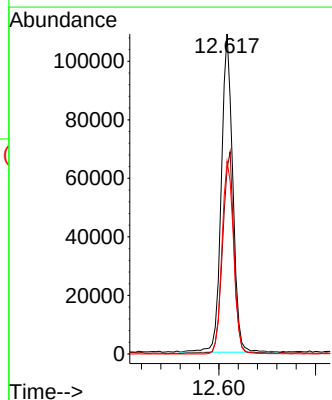
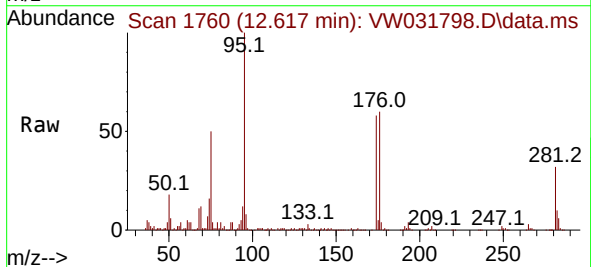
Instrument :
MSVOA_W
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TP-98

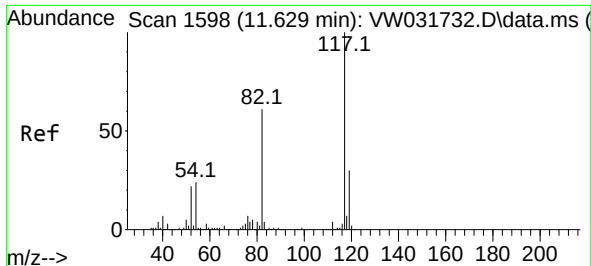
Tgt Ion: 98 Resp: 454159
Ion Ratio Lower Upper
98 100
100 63.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.369 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

Tgt Ion: 95 Resp: 178941
Ion Ratio Lower Upper
95 100
174 62.0 0.0 133.8
176 61.8 0.0 126.0

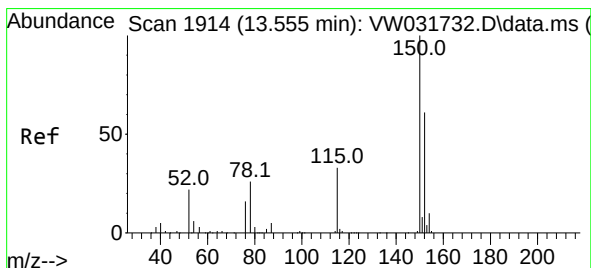
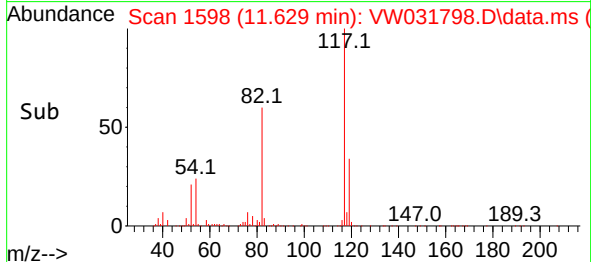
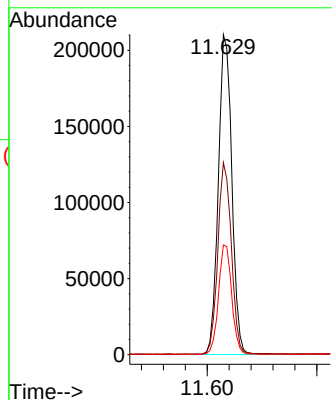
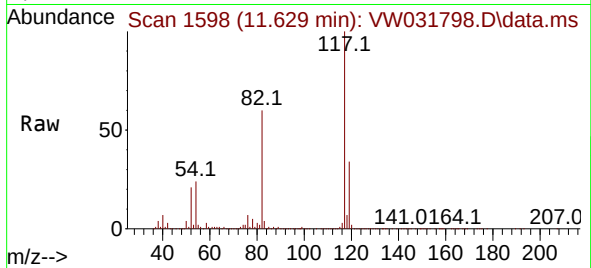




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

Instrument :
MSVOA_W
ClientSampleId :
TP-98

Tgt Ion:117 Resp: 360038
Ion Ratio Lower Upper
117 100
82 59.9 48.6 72.8
119 34.2 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW031798.D
Acq: 10 Jul 2025 13:25

Tgt Ion:152 Resp: 165092
Ion Ratio Lower Upper
152 100
115 69.6 31.9 95.7
150 162.8 0.0 356.4

