

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031782.D
 Acq On : 09 Jul 2025 17:30
 Operator : SY/MD
 Sample : Q2529-05
 Misc : 7.24g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-98

Quant Time: Jul 10 01:30:00 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)

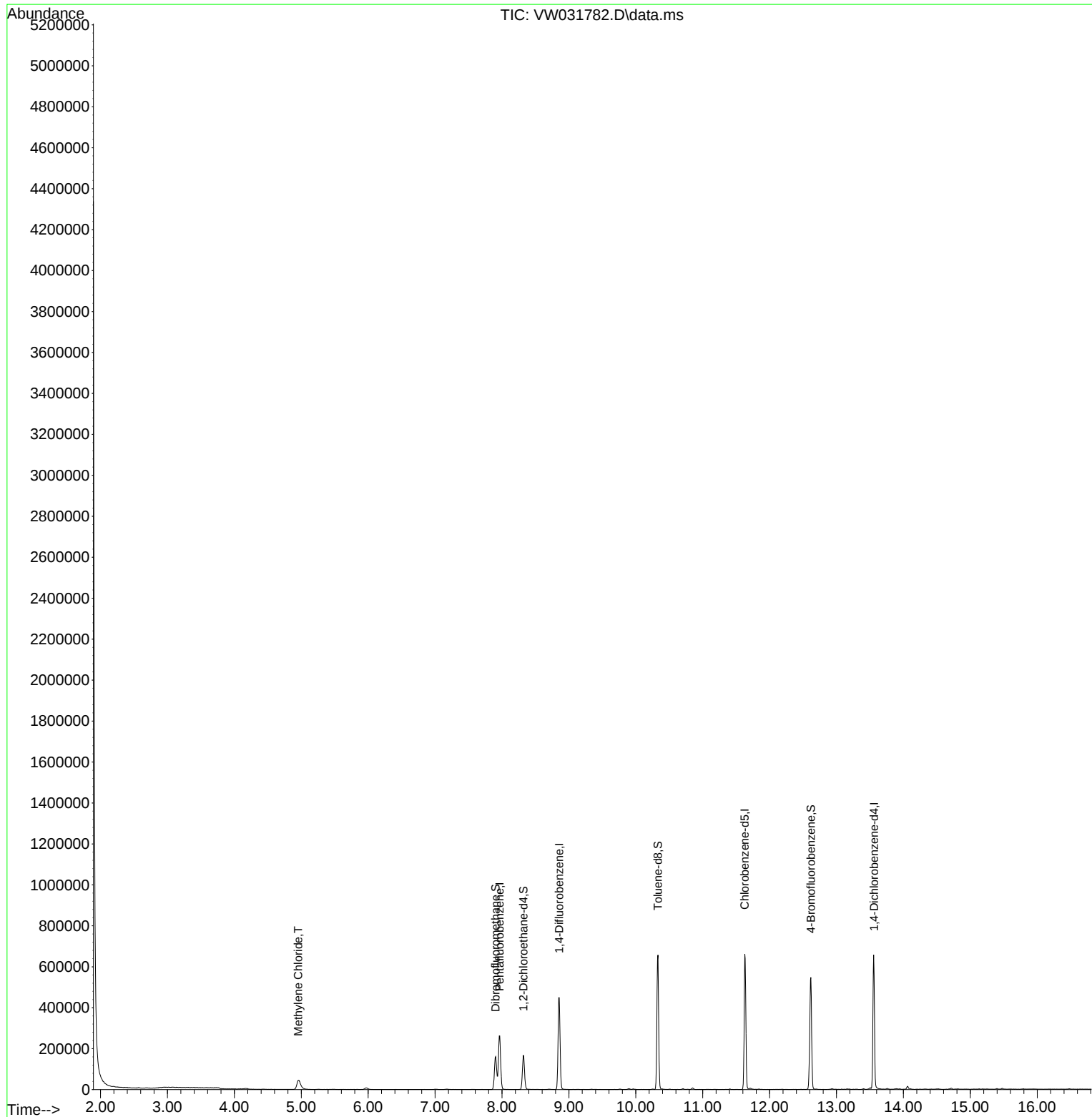
Internal Standards						
1) Pentafluorobenzene	7.965	168	184262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	388984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	162682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139320	52.686	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	105.380%	
35) Dibromofluoromethane	7.904	113	116569	45.924	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	91.840%	
50) Toluene-d8	10.331	98	442989	46.897	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	93.800%	
62) 4-Bromofluorobenzene	12.617	95	161967	46.594	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	93.180%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.954	84	42424	12.781	ug/l	93

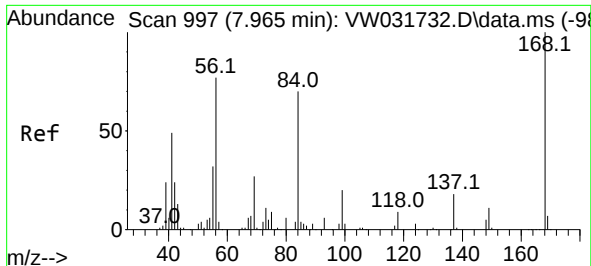
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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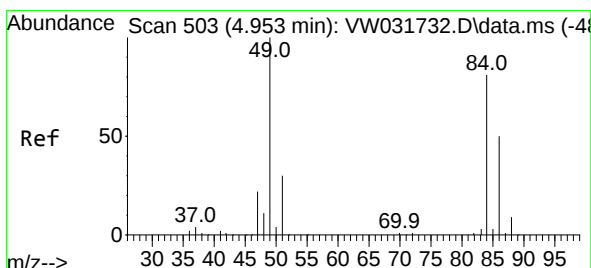
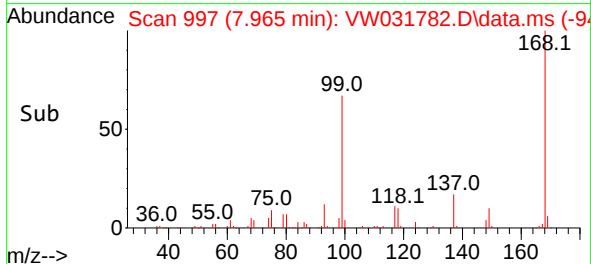
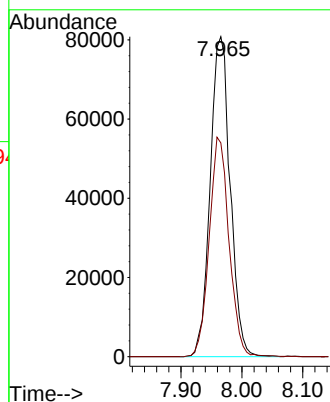
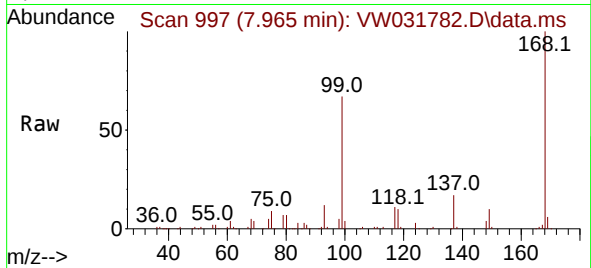




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031782.D
Acq: 09 Jul 2025 17:30

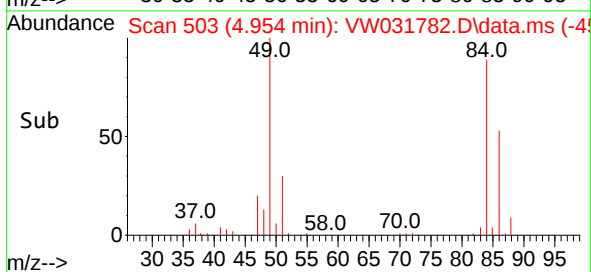
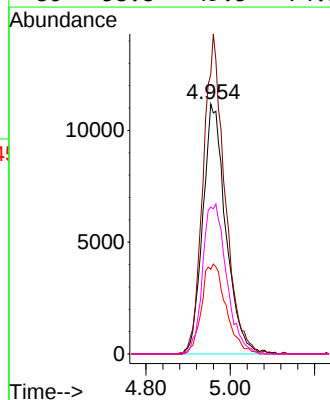
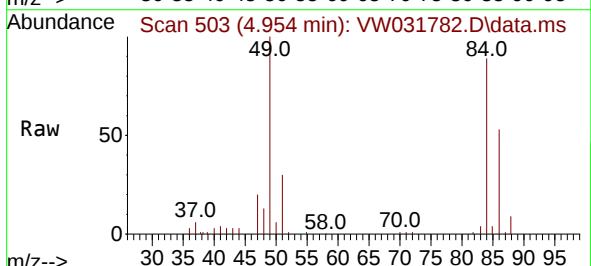
Instrument :
MSVOA_W
ClientSampleId :
TP-98

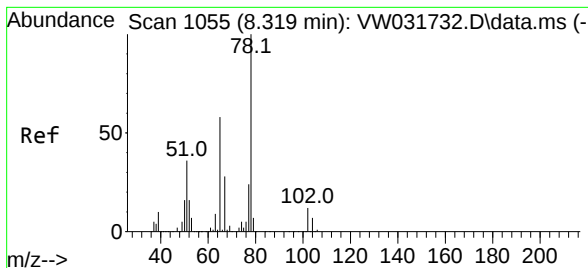
Tgt Ion:168 Resp: 184262
Ion Ratio Lower Upper
168 100
99 66.8 49.4 74.2



#20
Methylene Chloride
Concen: 12.781 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031782.D
Acq: 09 Jul 2025 17:30

Tgt Ion: 84 Resp: 42424
Ion Ratio Lower Upper
84 100
49 111.9 98.2 147.4
51 33.8 29.8 44.8
86 58.8 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 52.686 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031782.D

Acq: 09 Jul 2025 17:30

Instrument :

MSVOA_W

ClientSampleId :

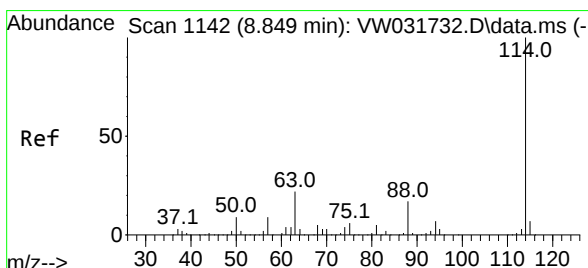
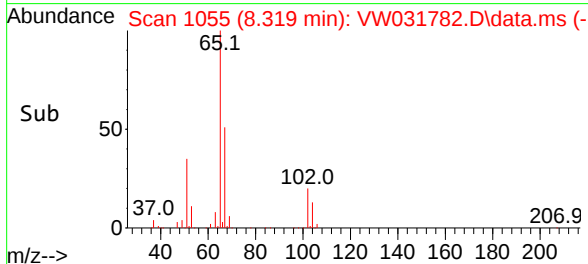
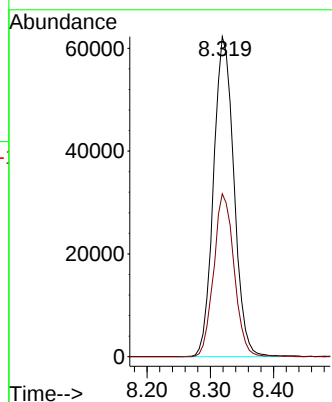
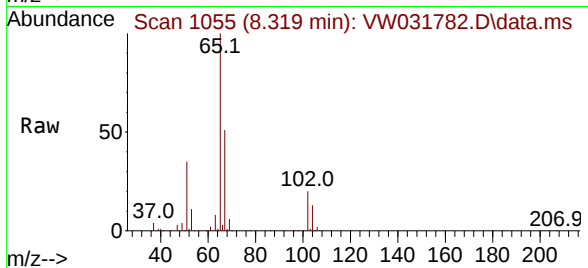
TP-98

Tgt Ion: 65 Resp: 139320

Ion Ratio Lower Upper

65 100

67 50.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031782.D

Acq: 09 Jul 2025 17:30

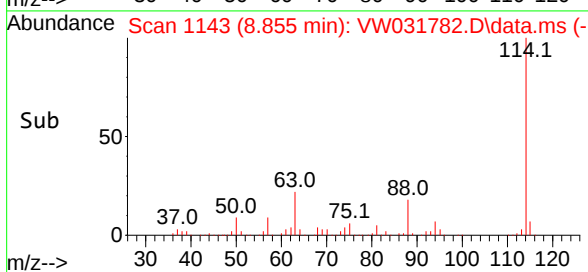
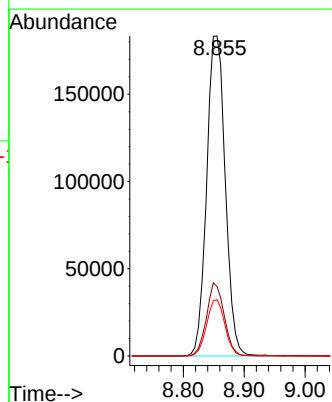
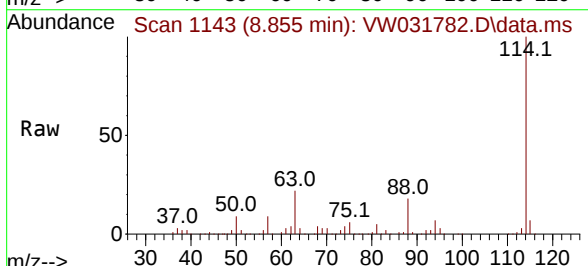
Tgt Ion: 114 Resp: 388984

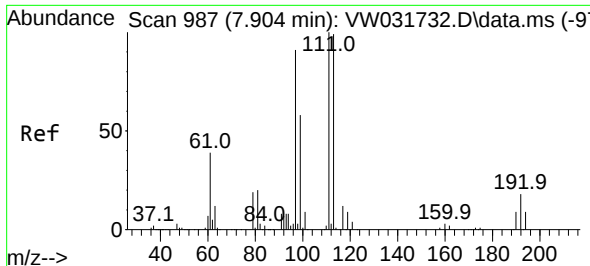
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.6

88 17.6 0.0 34.2

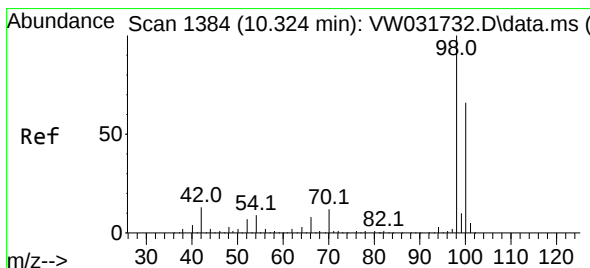
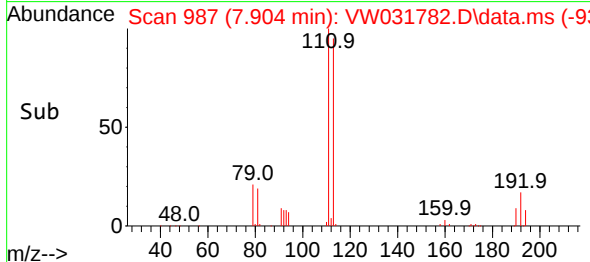
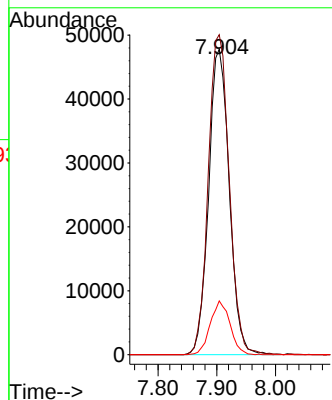
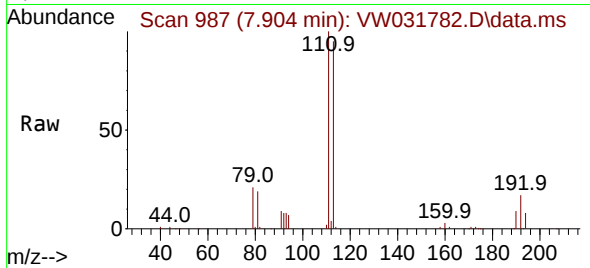




#35
Dibromofluoromethane
Concen: 45.924 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW031782.D
Acq: 09 Jul 2025 17:30

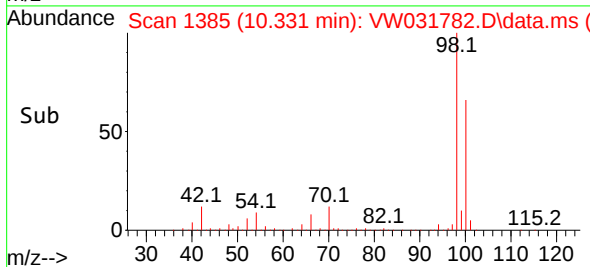
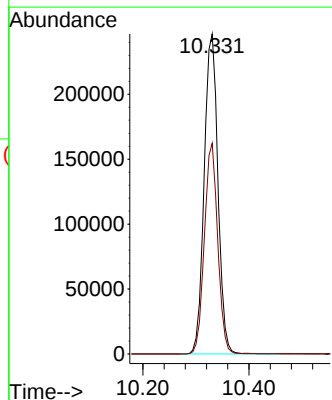
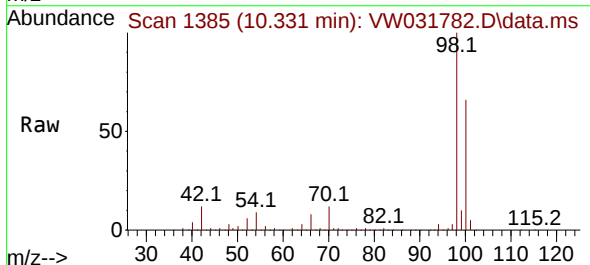
Instrument :
MSVOA_W
ClientSampleId :
TP-98

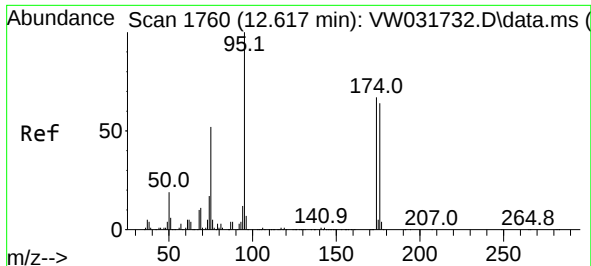
Tgt Ion:113 Resp: 116569
Ion Ratio Lower Upper
113 100
111 106.4 82.1 123.1
192 16.9 13.8 20.6



#50
Toluene-d8
Concen: 46.897 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031782.D
Acq: 09 Jul 2025 17:30

Tgt Ion: 98 Resp: 442989
Ion Ratio Lower Upper
98 100
100 64.0 53.0 79.4

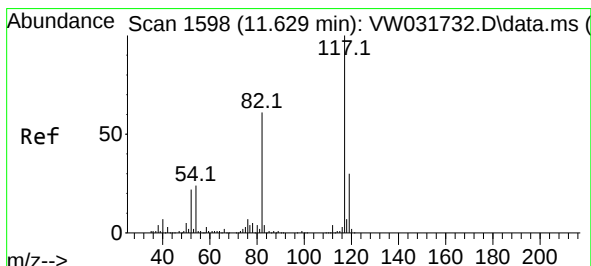
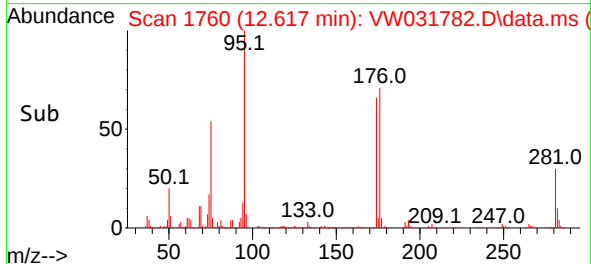
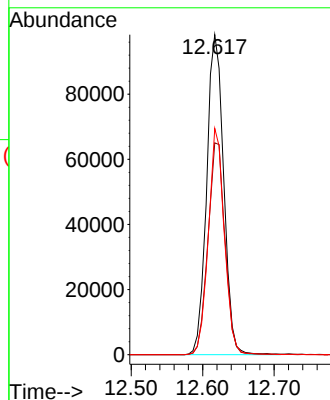
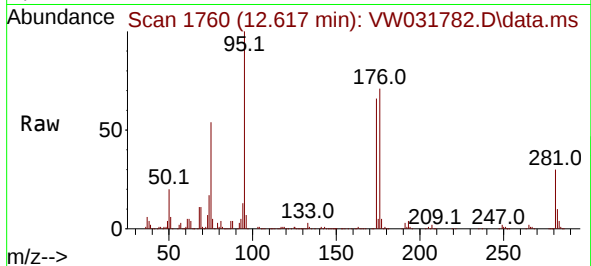




#62
4-Bromofluorobenzene
Concen: 46.594 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031782.D
Acq: 09 Jul 2025 17:30

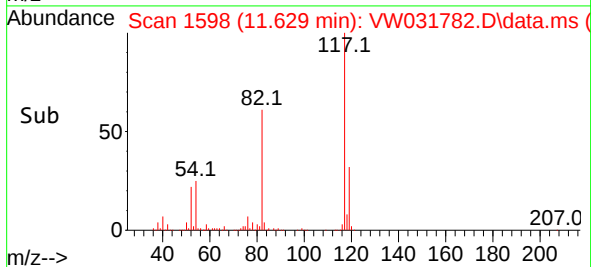
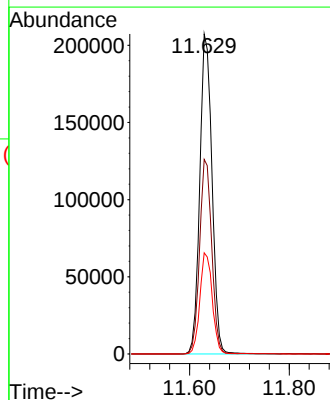
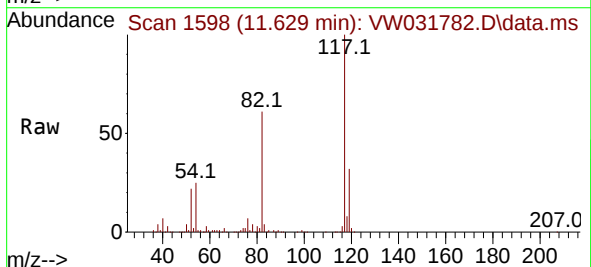
Instrument :
MSVOA_W
ClientSampleId :
TP-98

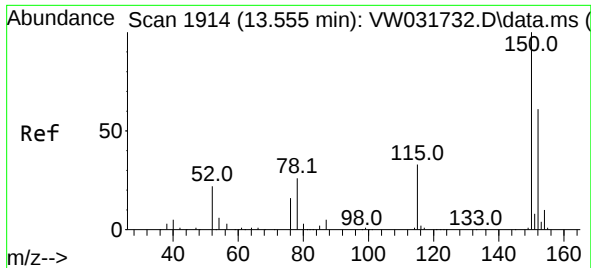
Tgt Ion: 95 Resp: 161967
Ion Ratio Lower Upper
95 100
174 66.7 0.0 133.8
176 66.5 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031782.D
Acq: 09 Jul 2025 17:30

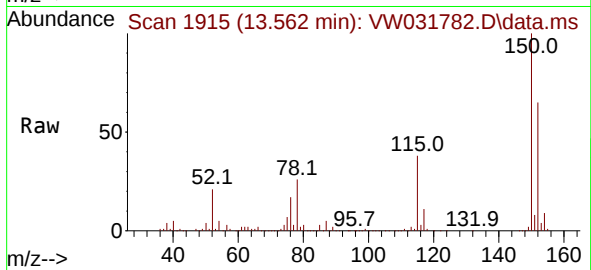
Tgt Ion: 117 Resp: 352462
Ion Ratio Lower Upper
117 100
82 60.8 48.6 72.8
119 31.6 23.9 35.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.562 min Scan# 1915
 Delta R.T. 0.006 min
 Lab File: VW031782.D
 Acq: 09 Jul 2025 17:30

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-98



Tgt Ion:152 Resp: 162682
 Ion Ratio Lower Upper
 152 100
 115 65.0 31.9 95.7
 150 160.0 0.0 356.4

