

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031812.D
 Acq On : 10 Jul 2025 18:32
 Operator : SY/MD
 Sample : Q2543-04
 Misc : 5.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-23-99

Quant Time: Jul 11 02:25:37 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)

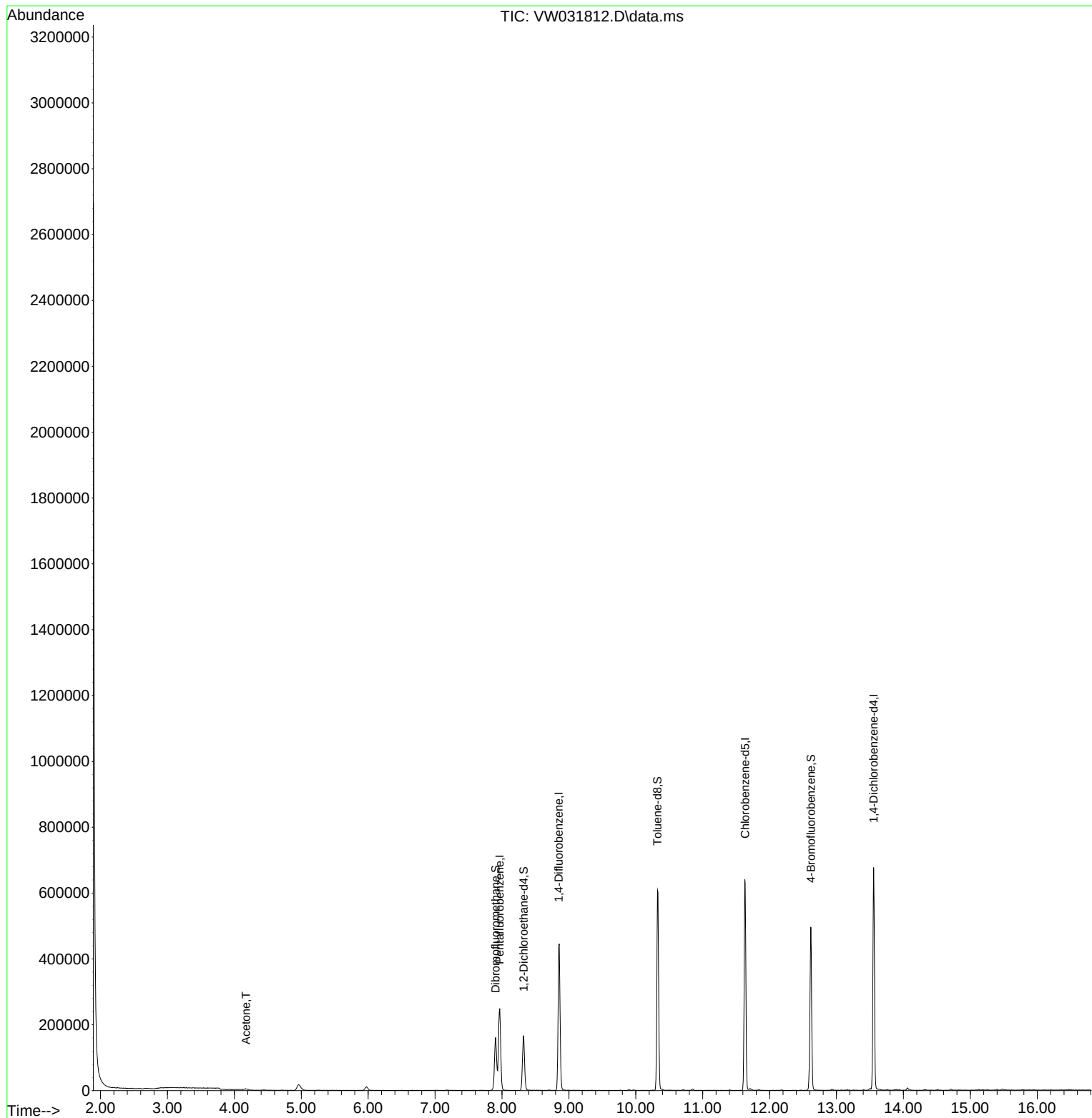
Internal Standards						
1) Pentafluorobenzene	7.965	168	171007	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	374934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	354079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	136923	55.793	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	111.580%	
35) Dibromofluoromethane	7.904	113	115271	47.115	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	94.220%	
50) Toluene-d8	10.325	98	413022	45.363	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	90.720%	
62) 4-Bromofluorobenzene	12.617	95	165451	49.380	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	98.760%	
Target Compounds						
16) Acetone	4.173	43	4103	6.764	ug/l	Qvalue 95

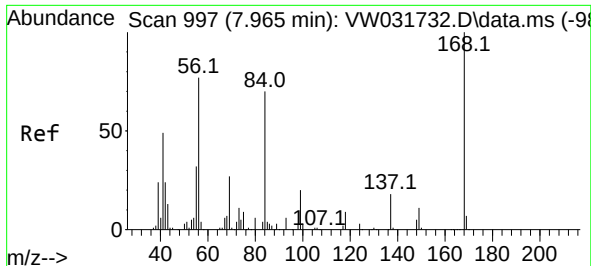
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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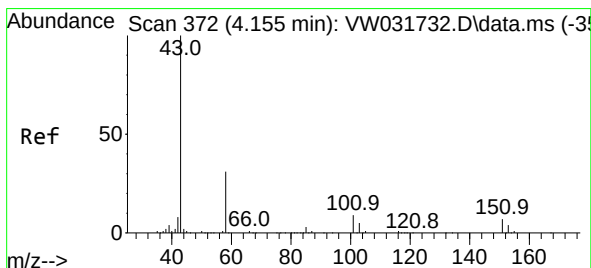
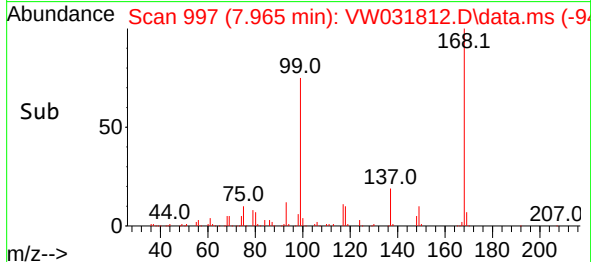
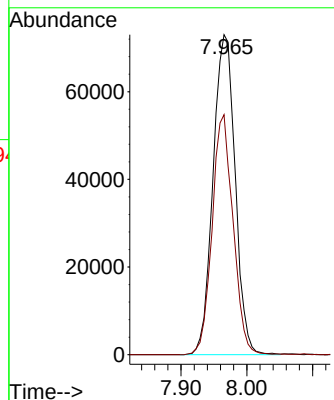
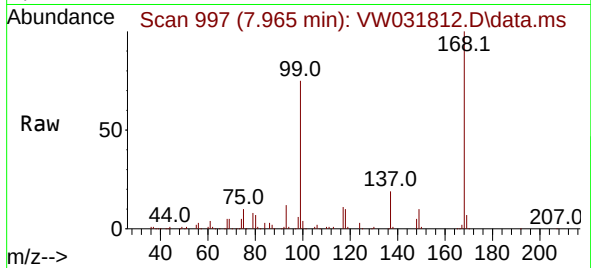




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

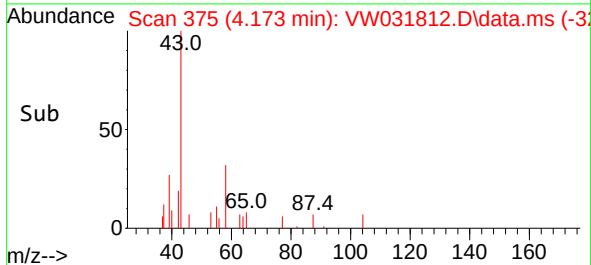
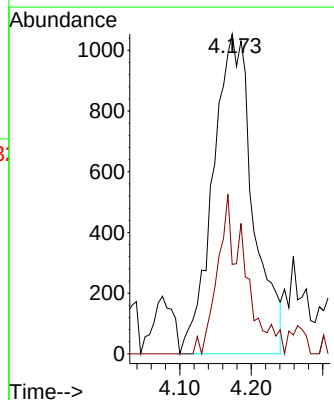
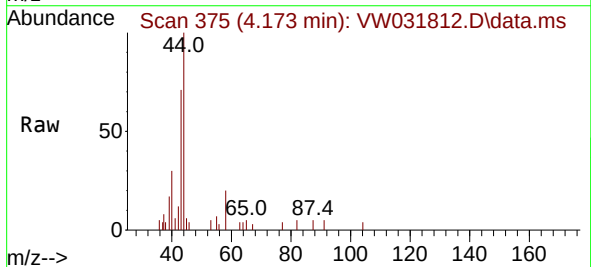
Instrument :
MSVOA_W
ClientSampleId :
TP-23-99

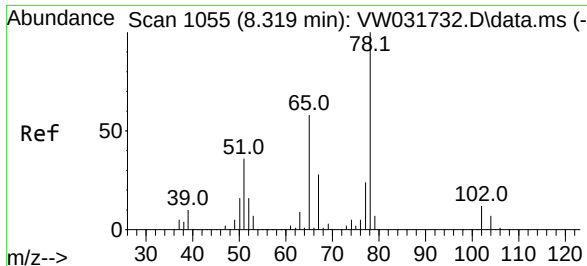
Tgt Ion:168 Resp: 171007
Ion Ratio Lower Upper
168 100
99 75.0 49.4 74.2#



#16
Acetone
Concen: 6.764 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Tgt Ion: 43 Resp: 4103
Ion Ratio Lower Upper
43 100
58 28.0 24.8 37.2





#33

1,2-Dichloroethane-d4

Concen: 55.793 ug/l

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW031812.D

Acq: 10 Jul 2025 18:32

Instrument :

MSVOA_W

ClientSampleId :

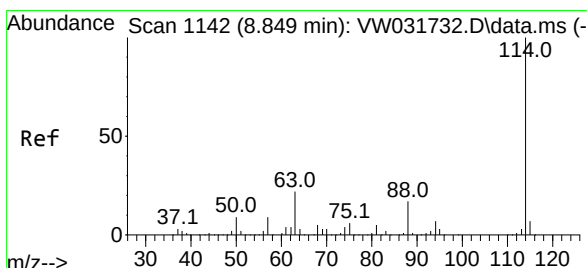
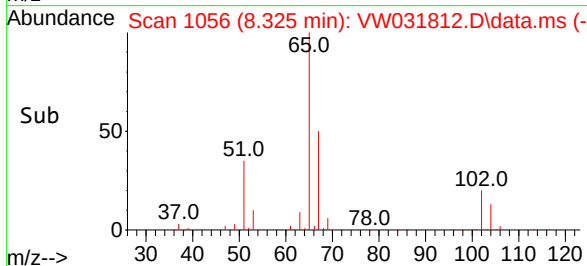
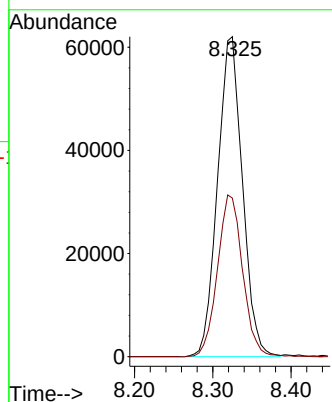
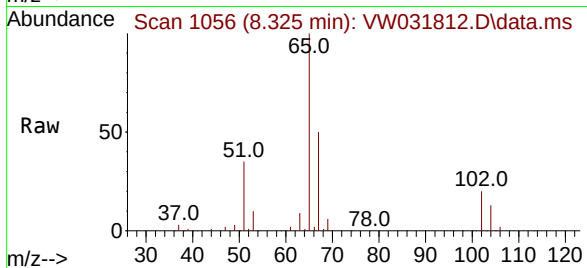
TP-23-99

Tgt Ion: 65 Resp: 136923

Ion Ratio Lower Upper

65 100

67 51.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031812.D

Acq: 10 Jul 2025 18:32

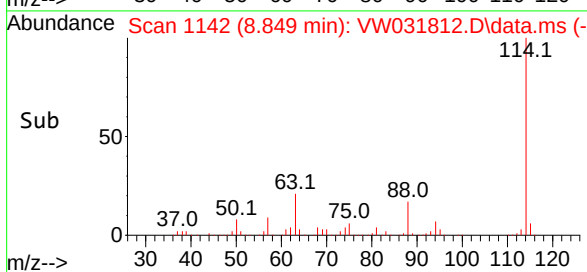
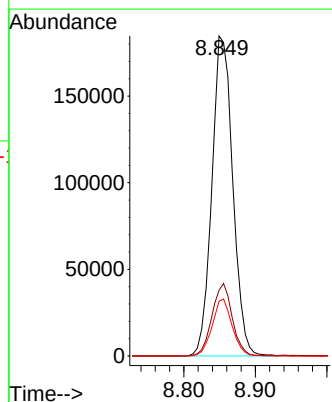
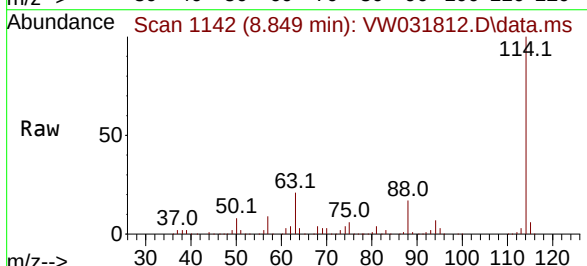
Tgt Ion: 114 Resp: 374934

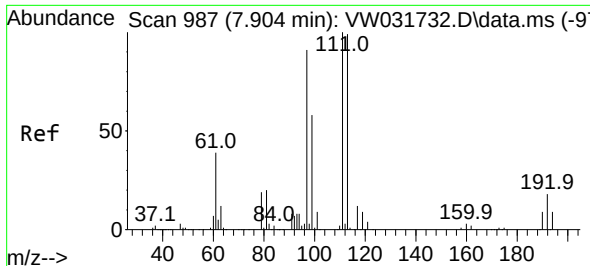
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.6

88 17.1 0.0 34.2



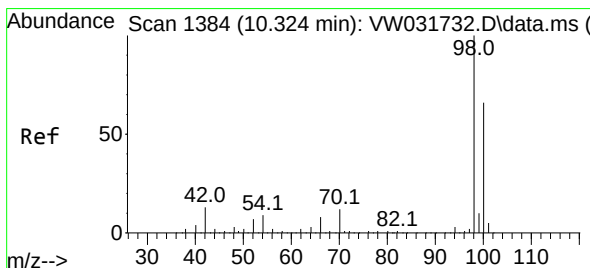
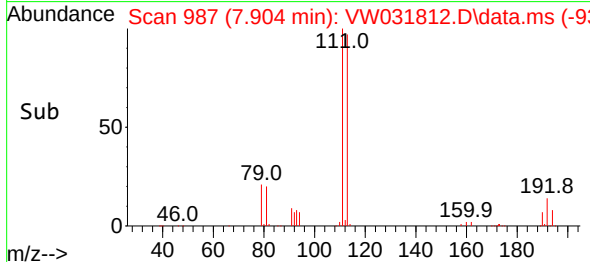
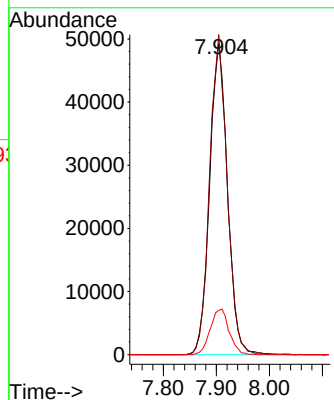
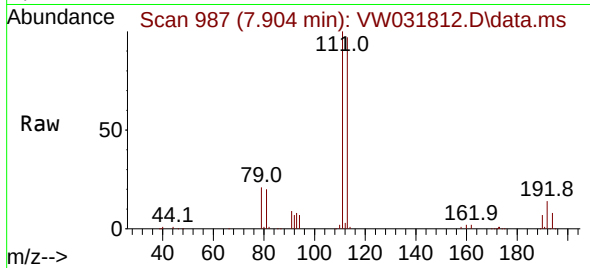


#35
 Dibromofluoromethane
 Concen: 47.115 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW031812.D
 Acq: 10 Jul 2025 18:32

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-23-99

Tgt Ion: 113 Resp: 115271

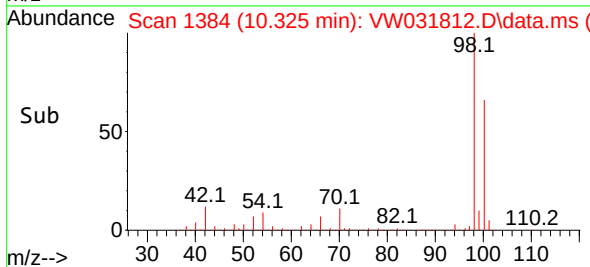
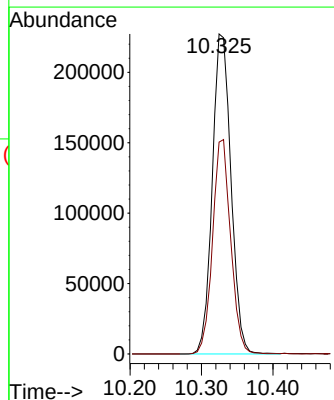
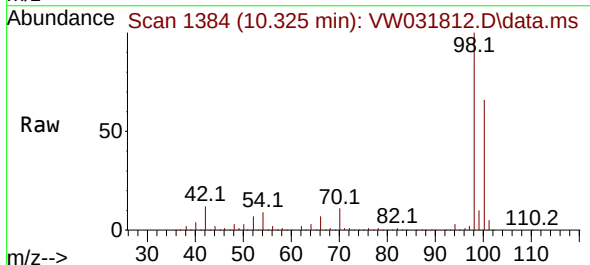
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.1	123.1
192	15.4	13.8	20.6

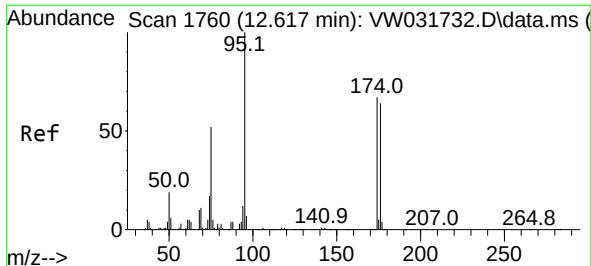


#50
 Toluene-d8
 Concen: 45.363 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. 0.000 min
 Lab File: VW031812.D
 Acq: 10 Jul 2025 18:32

Tgt Ion: 98 Resp: 413022

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.0	79.4

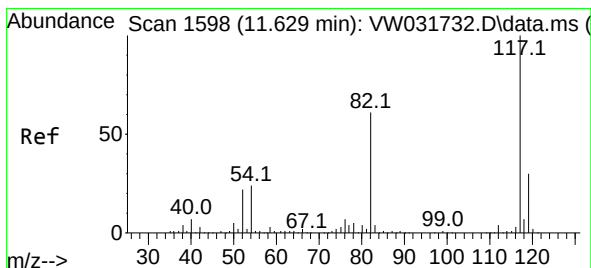
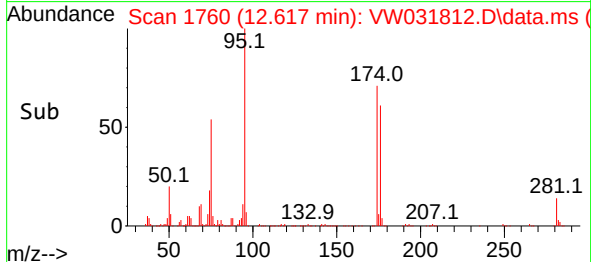
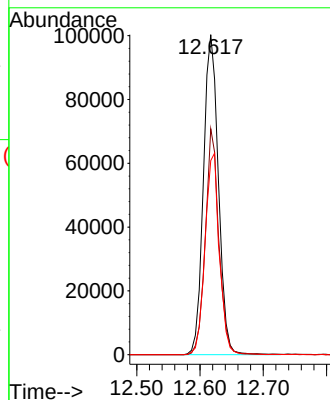
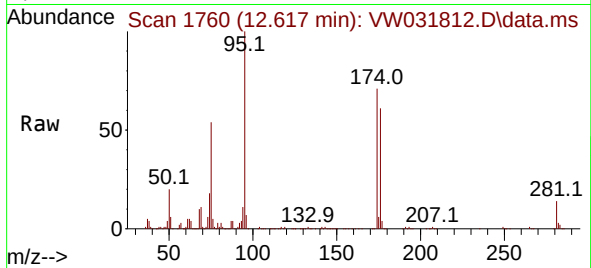




#62
4-Bromofluorobenzene
Concen: 49.380 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

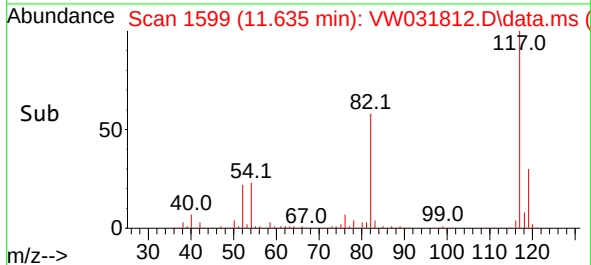
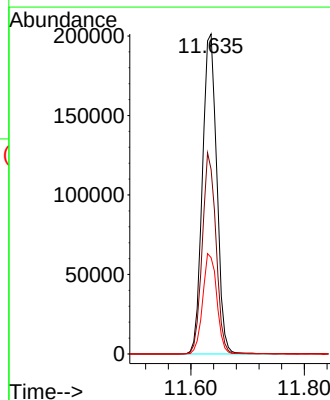
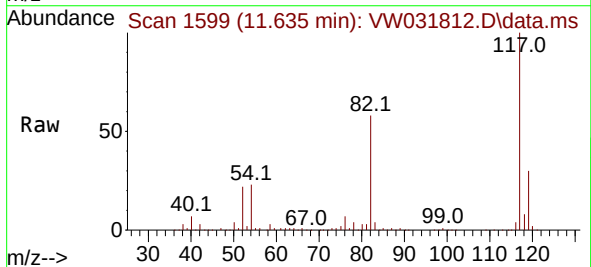
Instrument :
MSVOA_W
ClientSampleId :
TP-23-99

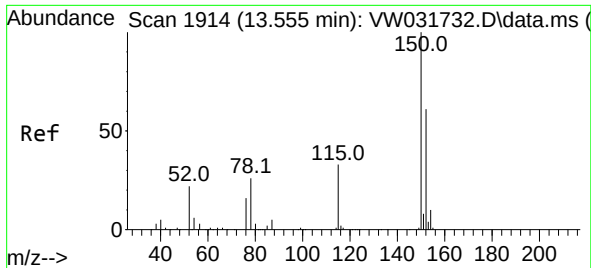
Tgt Ion: 95 Resp: 165451
Ion Ratio Lower Upper
95 100
174 63.9 0.0 133.8
176 60.2 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

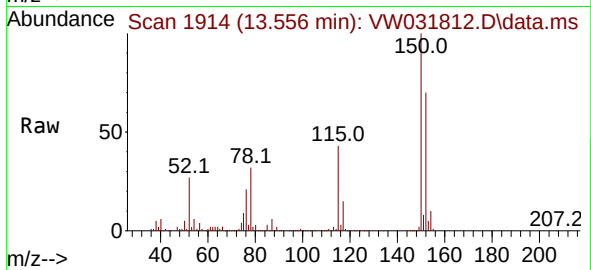
Tgt Ion: 117 Resp: 354079
Ion Ratio Lower Upper
117 100
82 57.7 48.6 72.8
119 30.1 23.9 35.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031812.D
 Acq: 10 Jul 2025 18:32

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-23-99



Tgt Ion:152 Resp: 167590

Ion	Ratio	Lower	Upper
152	100		
115	65.2	31.9	95.7
150	152.8	0.0	356.4

