

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032361.D
 Acq On : 06 Oct 2025 15:54
 Operator : SY/MD
 Sample : Q3289-05
 Misc : 4.80g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 72-11966

Quant Time: Oct 07 03:48:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	177405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	416637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	430281	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	232916	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168372	65.070	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	130.140%
35) Dibromofluoromethane	7.904	113	138510	51.335	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.660%
50) Toluene-d8	10.325	98	500560	50.265	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.617	95	213384	56.691	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	113.380%

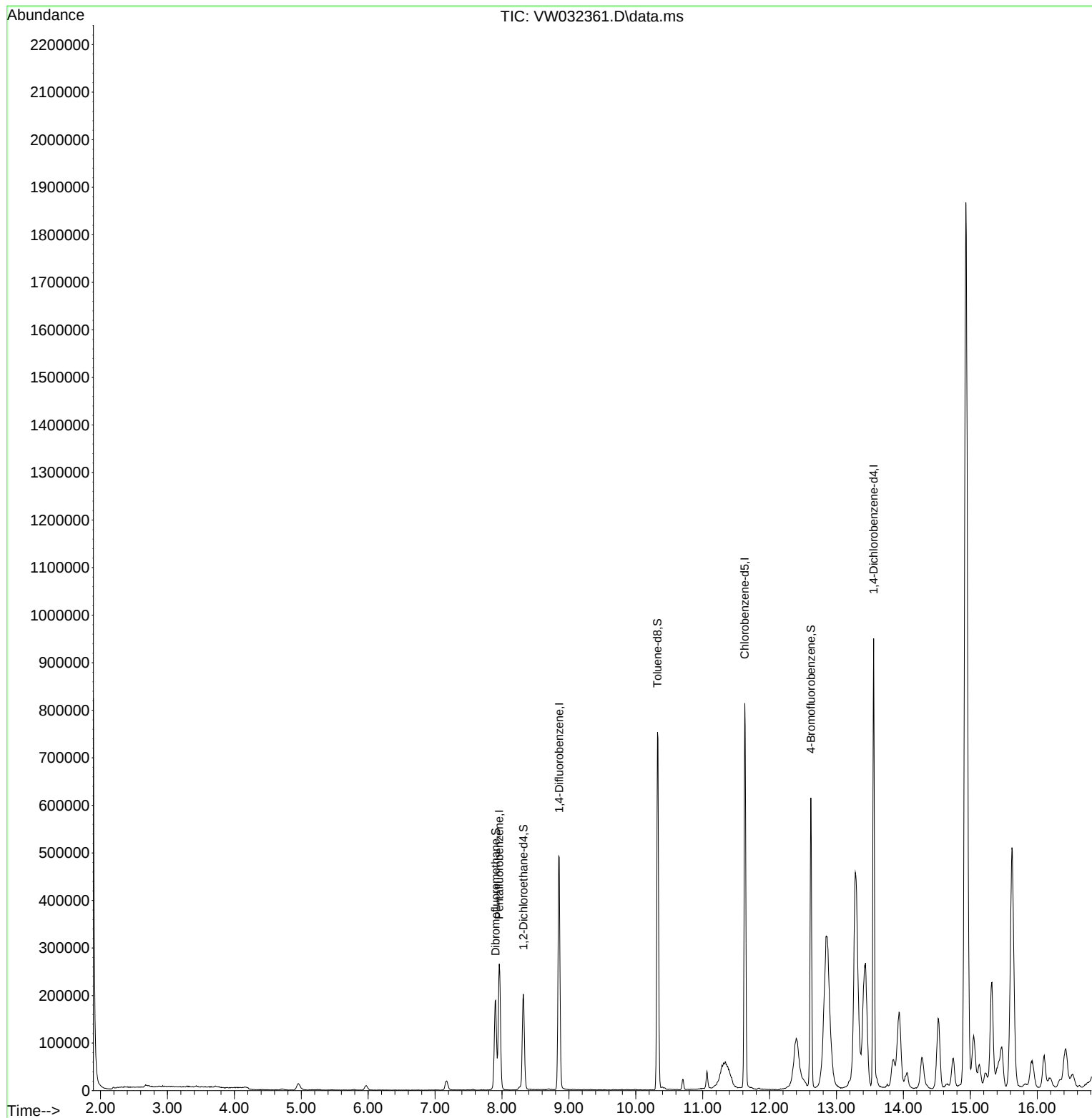
Target Compounds	Qvalue

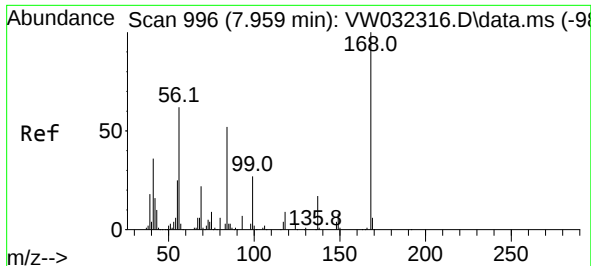
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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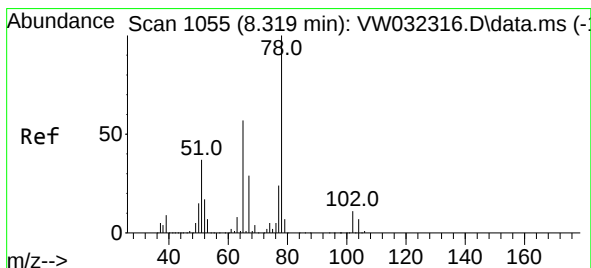
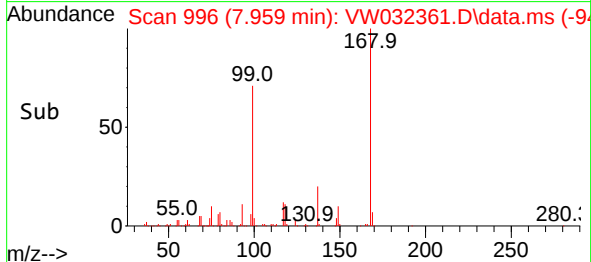
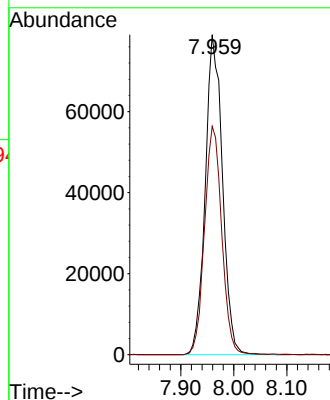
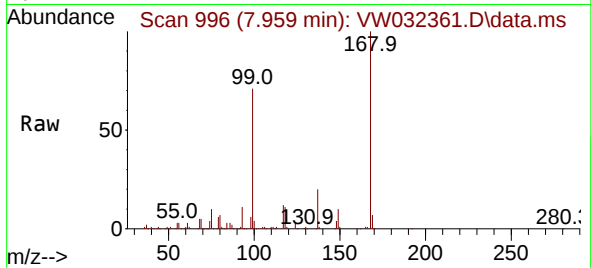




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

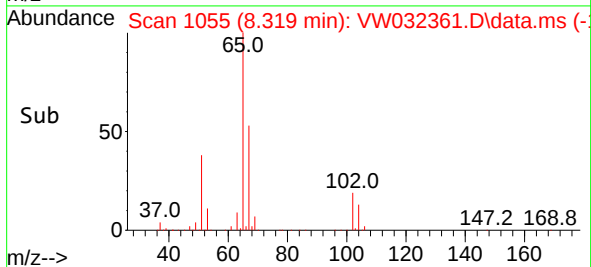
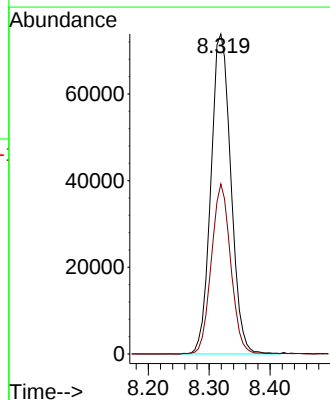
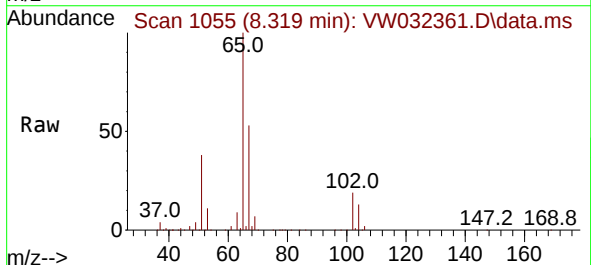
Instrument :
MSVOA_W
ClientSampleId :
72-11966

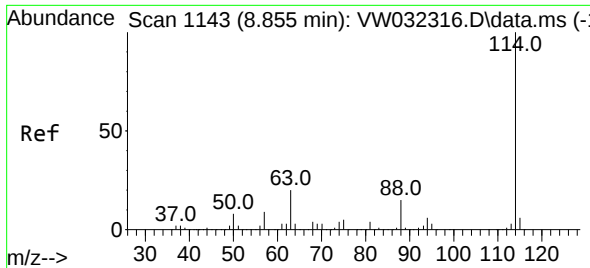
Tgt Ion:168 Resp: 177405
Ion Ratio Lower Upper
168 100
99 71.3 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 65.070 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Tgt Ion: 65 Resp: 168372
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.6

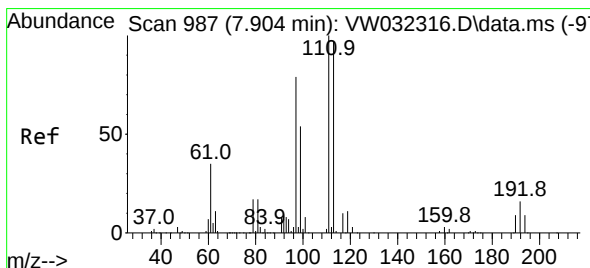
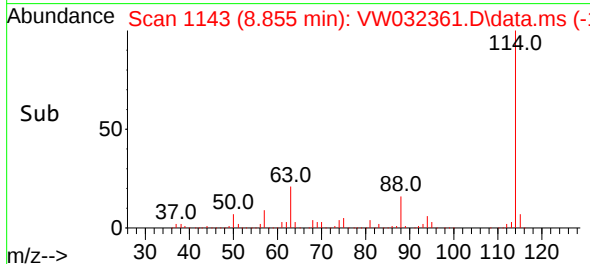
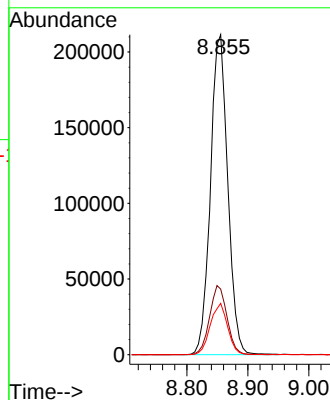
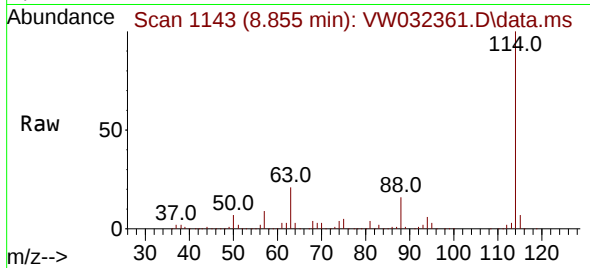




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

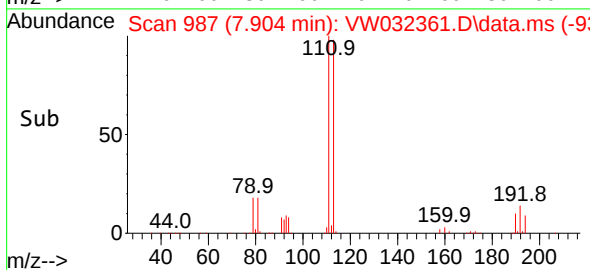
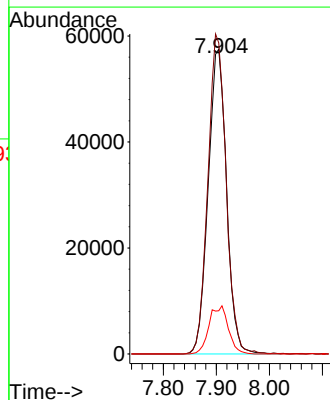
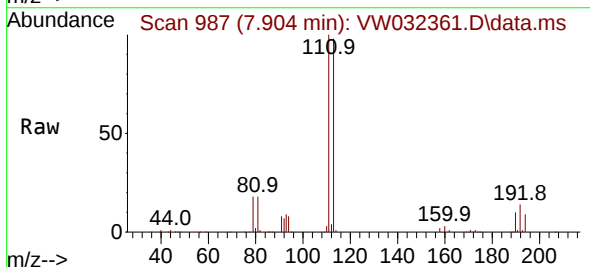
Instrument :
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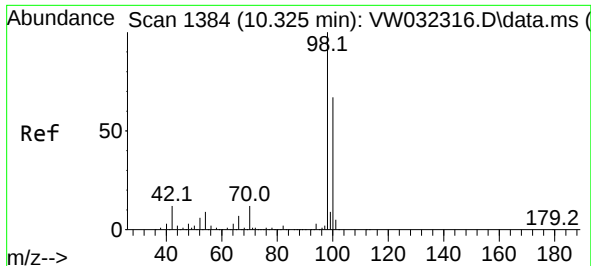
Tgt Ion:114 Resp: 416637
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.4
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.335 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Tgt Ion:113 Resp: 138510
Ion Ratio Lower Upper
113 100
111 104.0 83.9 125.9
192 16.6 14.6 21.8

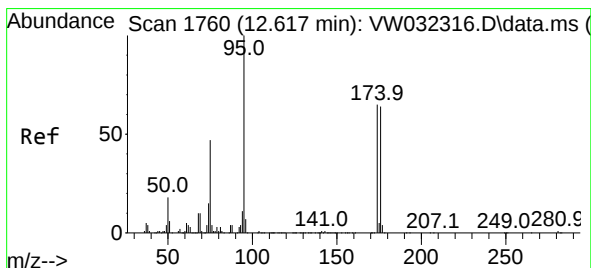
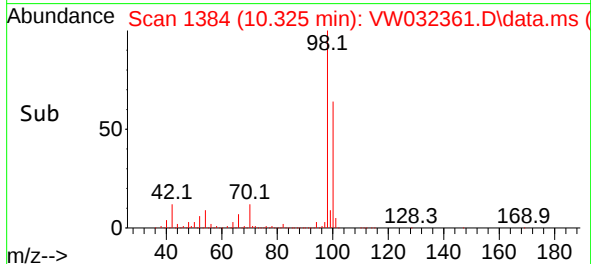
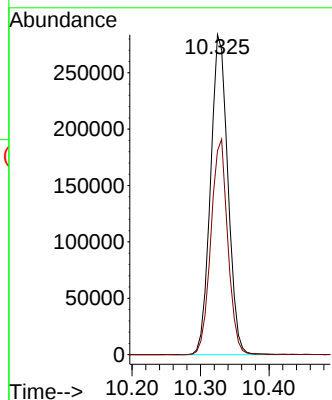
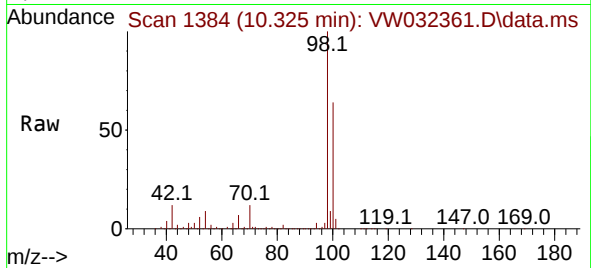




#50
Toluene-d8
Concen: 50.265 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

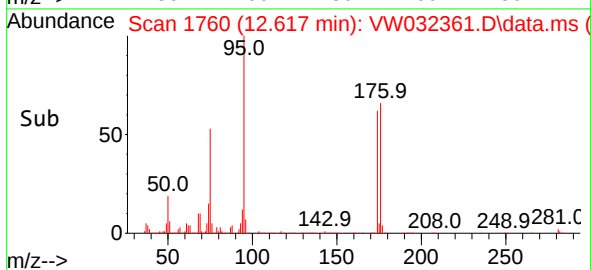
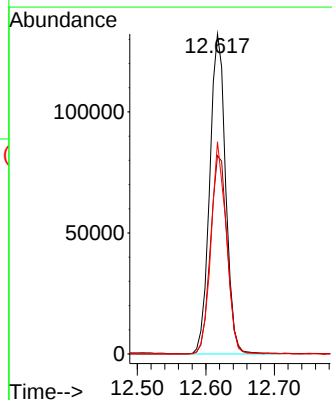
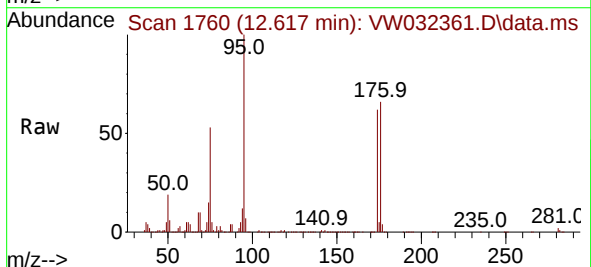
Instrument :
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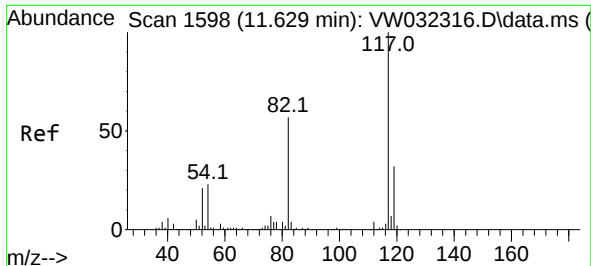
Tgt Ion: 98 Resp: 500560
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 56.691 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Tgt Ion: 95 Resp: 213384
Ion Ratio Lower Upper
95 100
174 65.4 0.0 145.6
176 63.7 0.0 140.8

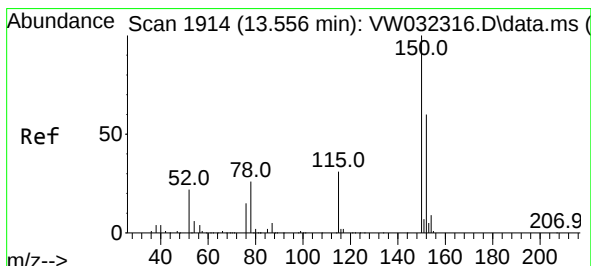
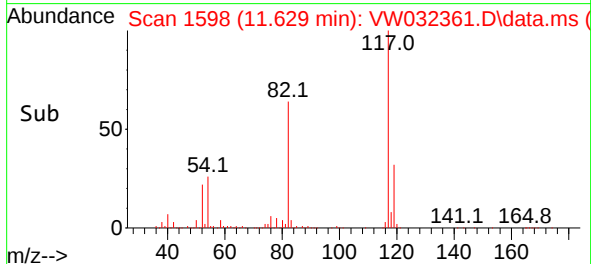
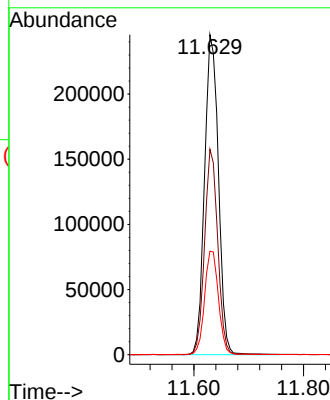
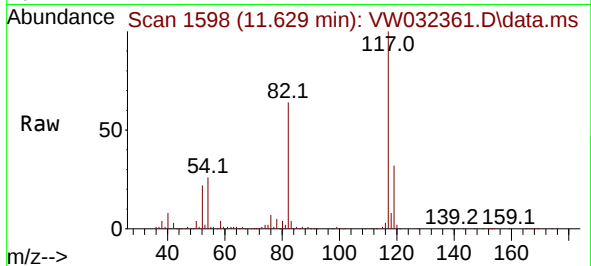




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11598
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Instrument :
MSVOA_W
ClientSampleId :
72-11966

Tgt Ion:117 Resp: 430281
Ion Ratio Lower Upper
117 100
82 64.1 42.7 64.1#
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Tgt Ion:152 Resp: 232916
Ion Ratio Lower Upper
152 100
115 65.1 31.8 95.4
150 153.9 0.0 343.0

