

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032364.D
 Acq On : 06 Oct 2025 17:01
 Operator : SY/MD
 Sample : Q3294-01
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-10062025

Quant Time: Oct 07 03:49:30 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	199791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	446106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	448567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	227759	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	184347	63.261	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	126.520%
35) Dibromofluoromethane	7.904	113	153957	53.290	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.580%
50) Toluene-d8	10.324	98	567868	53.257	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	106.520%
62) 4-Bromofluorobenzene	12.617	95	222204	55.135	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	110.260%

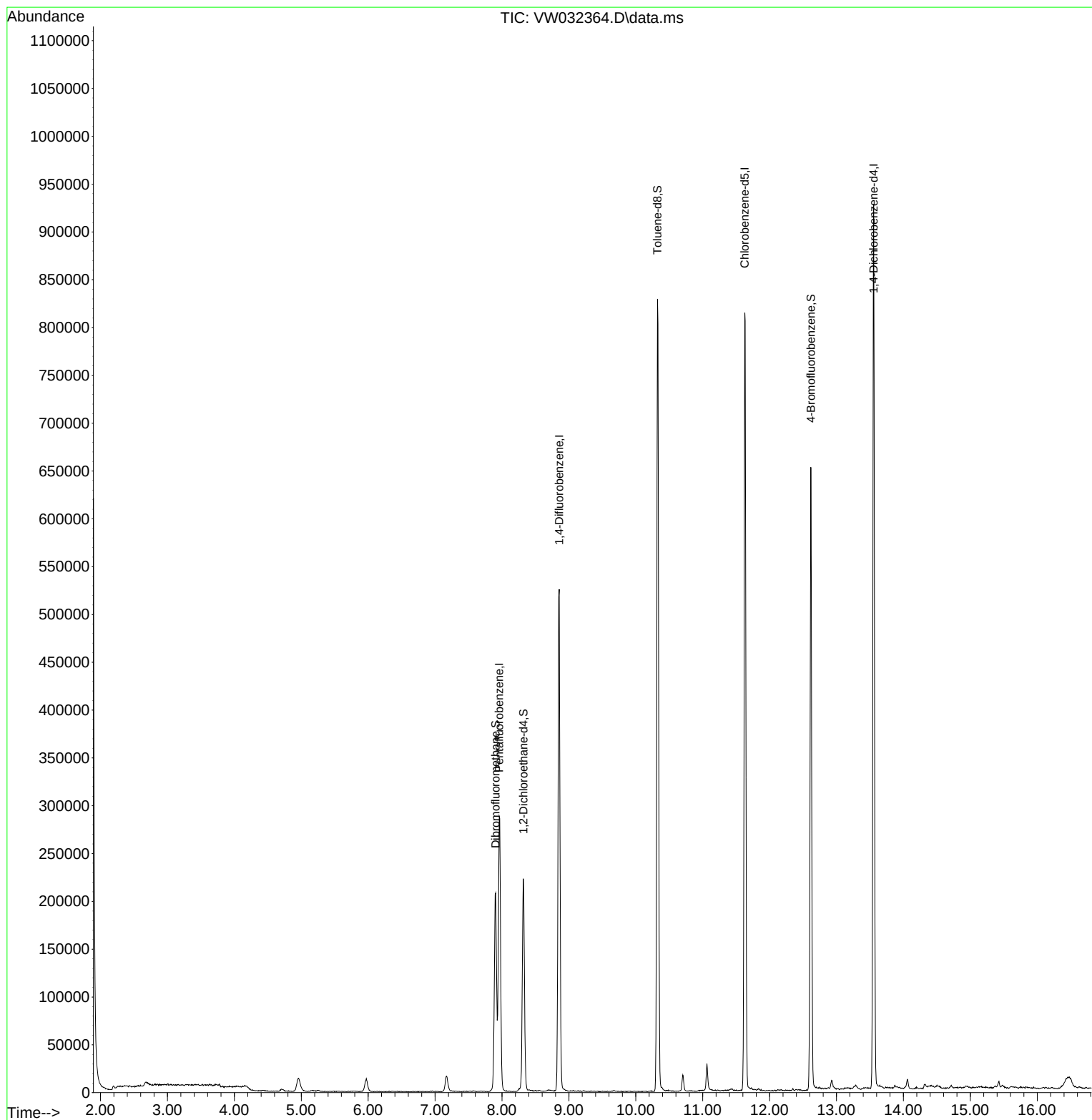
Target Compounds	Qvalue

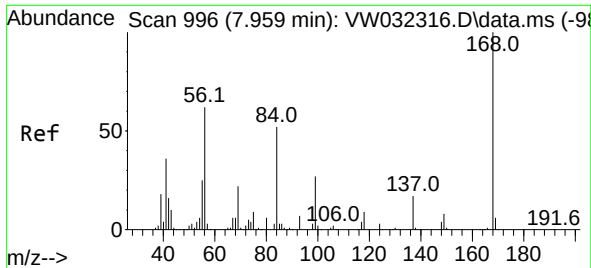
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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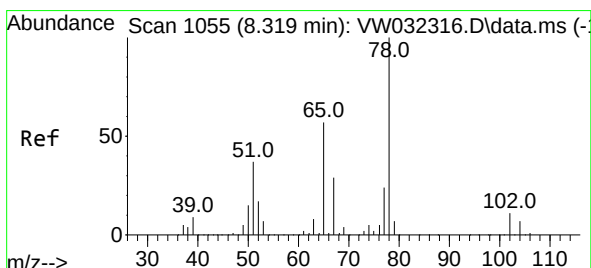
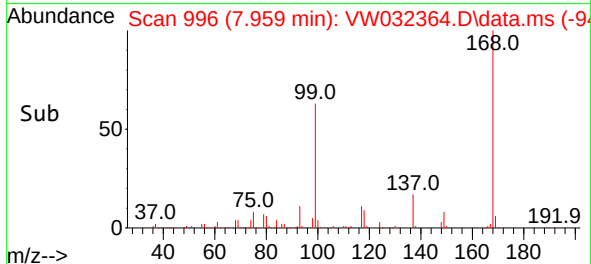
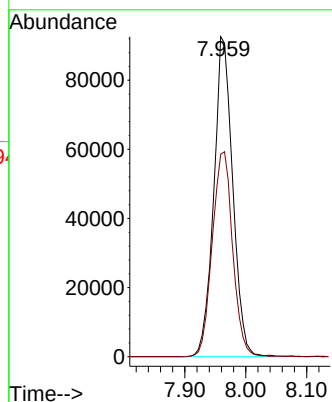
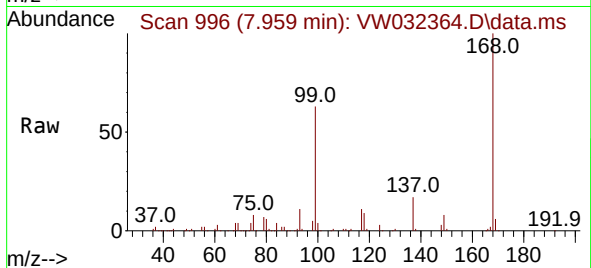




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

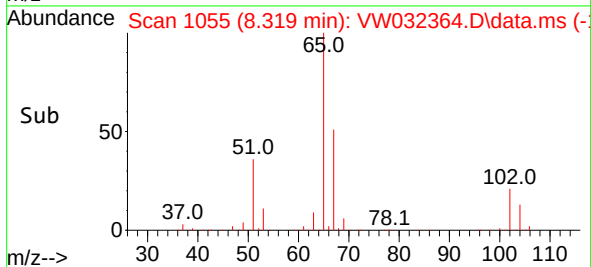
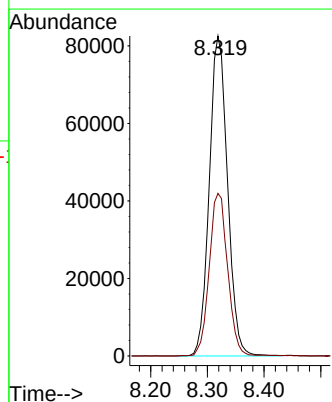
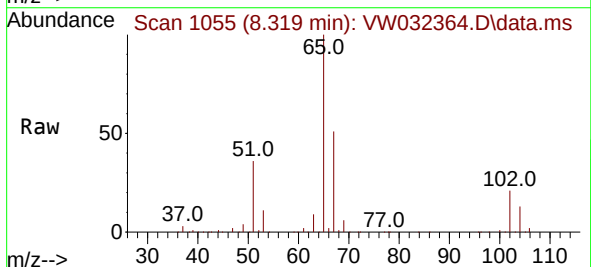
Instrument :
MSVOA_W
ClientSampleId :
HD-02-10062025

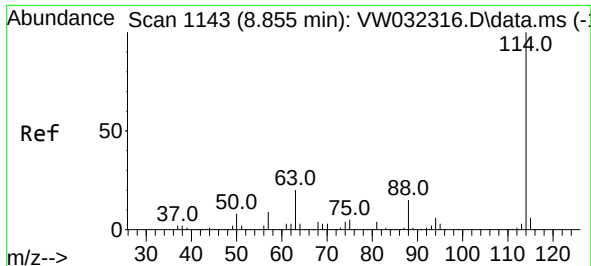
Tgt Ion:168 Resp: 199791
Ion Ratio Lower Upper
168 100
99 63.2 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 63.261 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion: 65 Resp: 184347
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.6

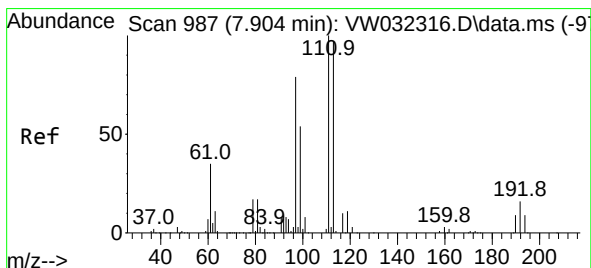
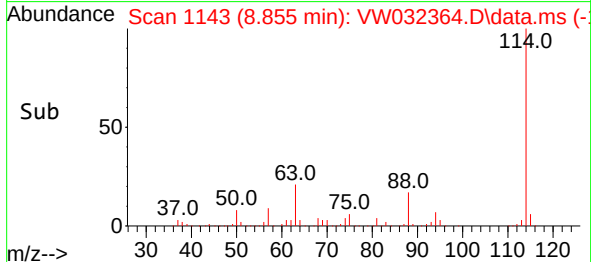
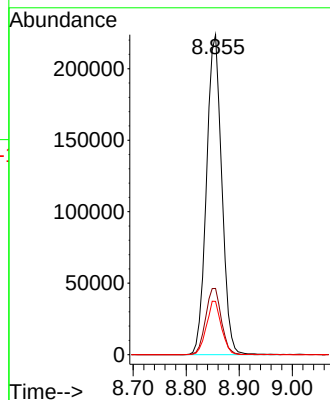
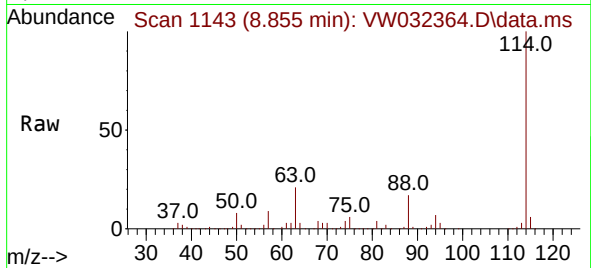




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

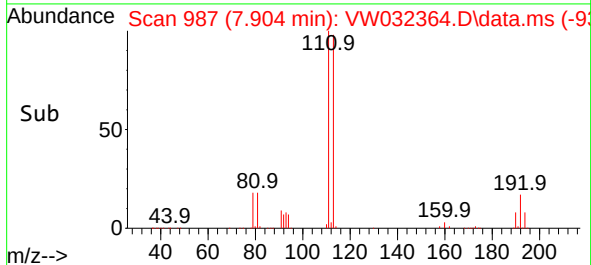
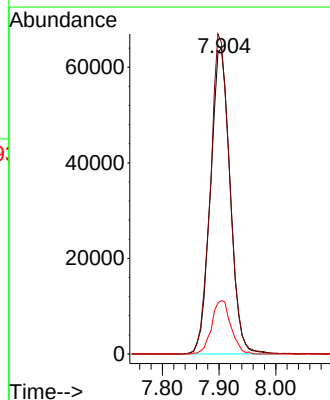
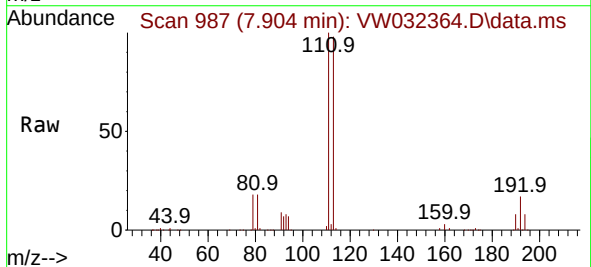
Instrument :
MSVOA_W
ClientSampleId :
HD-02-10062025

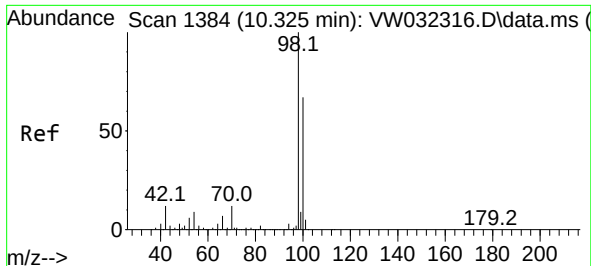
Tgt Ion:114 Resp: 446106
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 16.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.290 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion:113 Resp: 153957
Ion Ratio Lower Upper
113 100
111 102.7 83.9 125.9
192 17.1 14.6 21.8

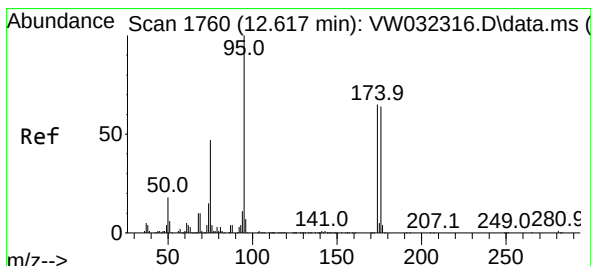
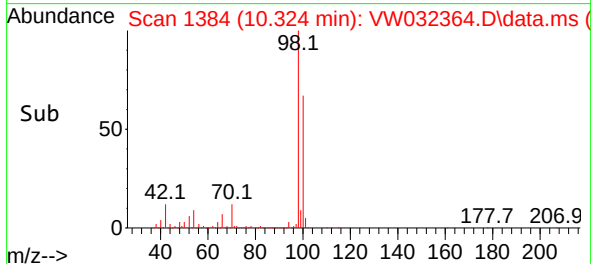
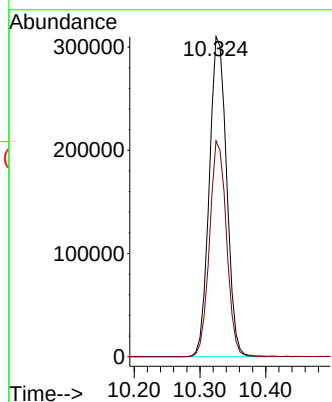
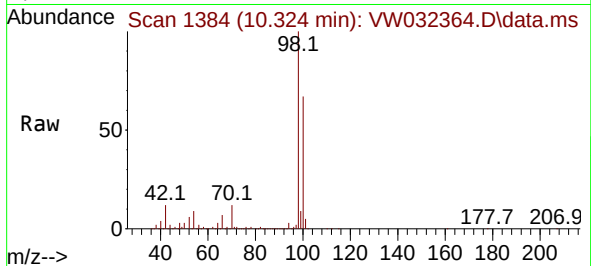




#50
Toluene-d8
Concen: 53.257 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

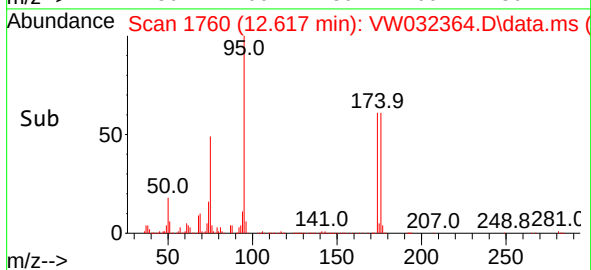
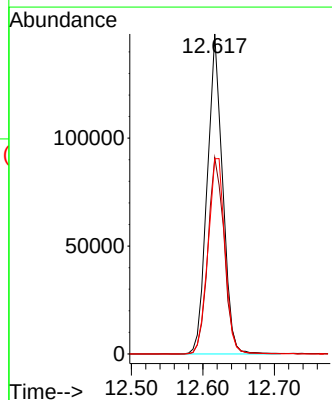
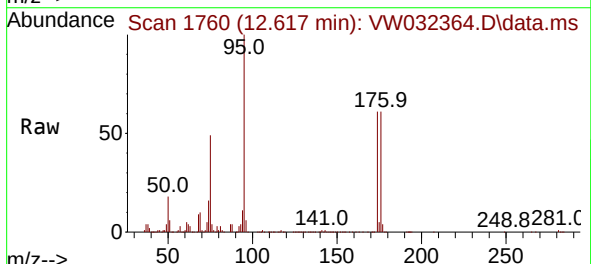
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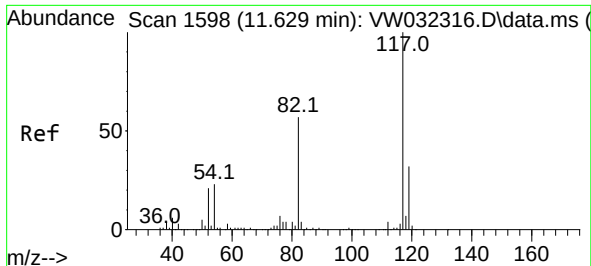
Tgt Ion: 98 Resp: 567868
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 55.135 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion: 95 Resp: 222204
Ion Ratio Lower Upper
95 100
174 64.9 0.0 145.6
176 67.4 0.0 140.8

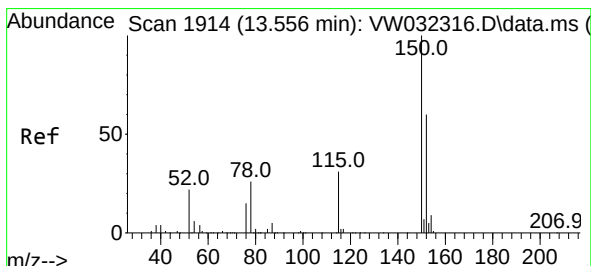
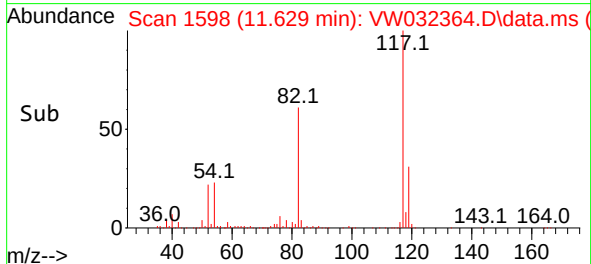
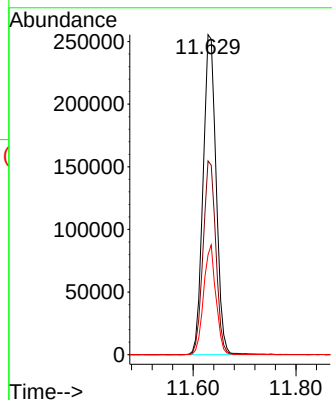
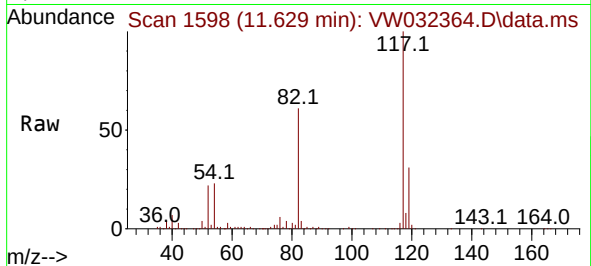




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Instrument :
MSVOA_W
ClientSampleId :
HD-02-10062025

Tgt Ion:117 Resp: 448567
Ion Ratio Lower Upper
117 100
82 60.5 42.7 64.1
119 31.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032364.D
Acq: 06 Oct 2025 17:01

Tgt Ion:152 Resp: 227759
Ion Ratio Lower Upper
152 100
115 66.1 31.8 95.4
150 162.0 0.0 343.0

