

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032584.D
 Acq On : 08 Dec 2025 10:18
 Operator : SY/MD
 Sample : VW1208SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1208SBL01

Quant Time: Dec 09 02:13:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	314569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	616405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	548609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	222458	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	253865	54.229	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.460%
35) Dibromofluoromethane	7.898	113	205810	50.738	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.480%
50) Toluene-d8	10.325	98	752692	49.313	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.617	95	254323	45.099	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.200%

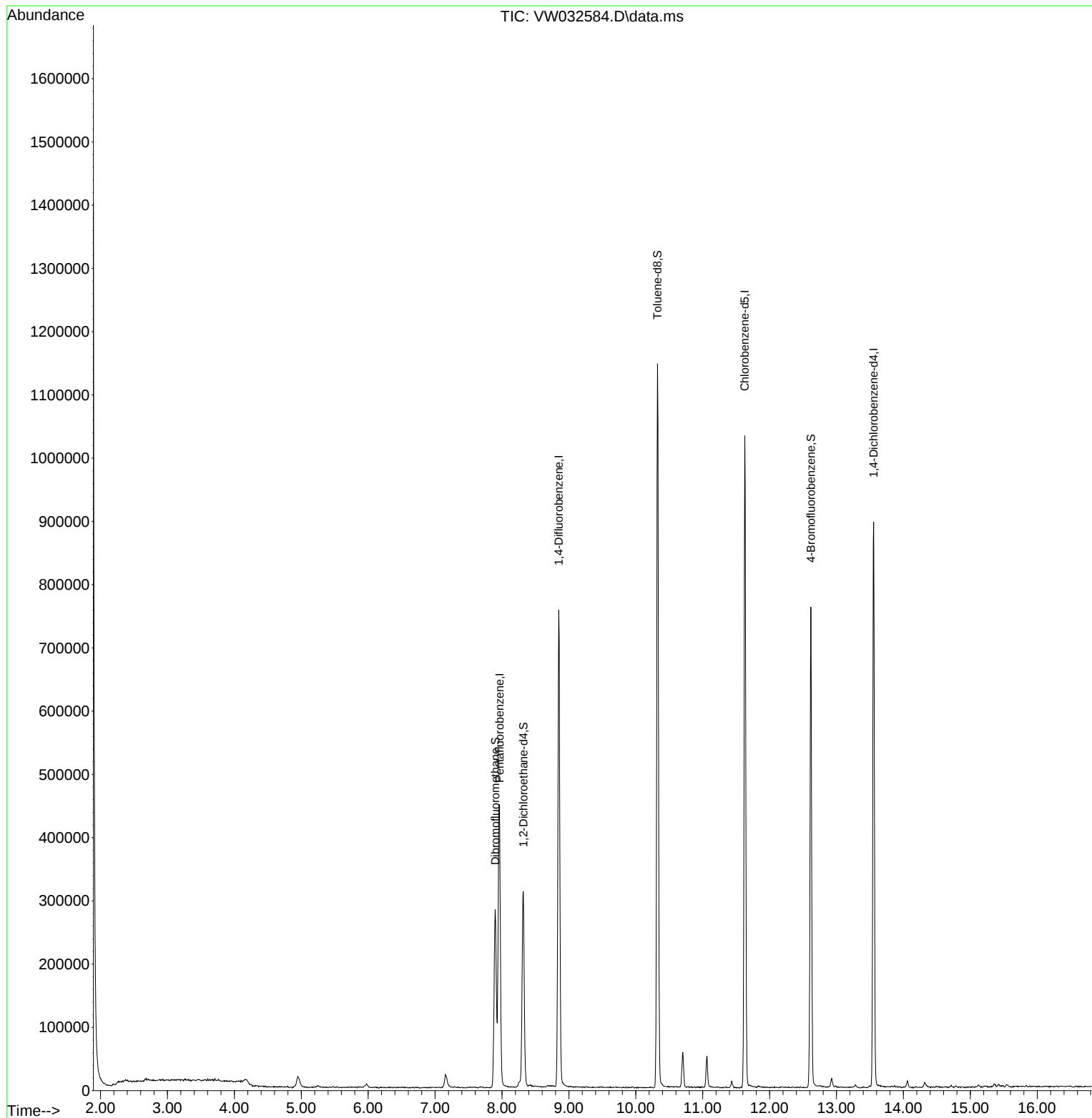
Target Compounds	Qvalue

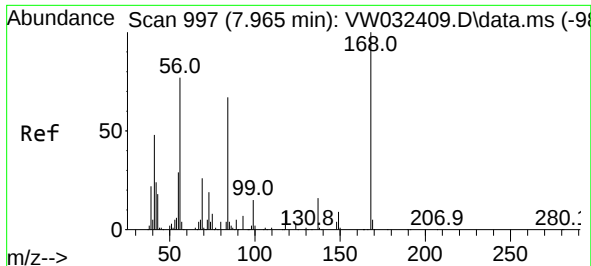
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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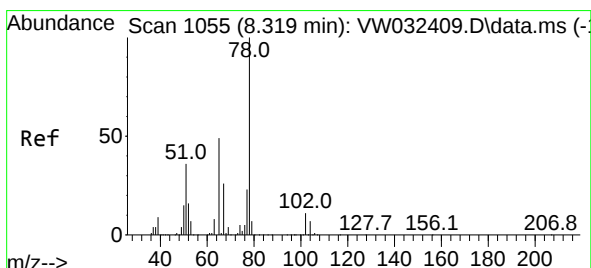
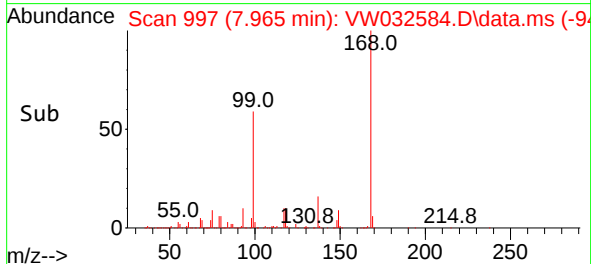
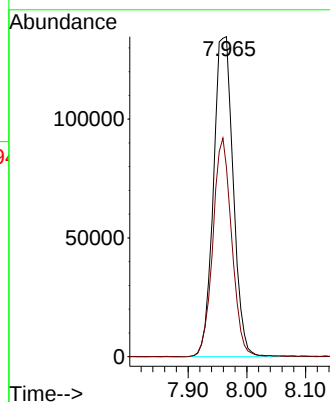
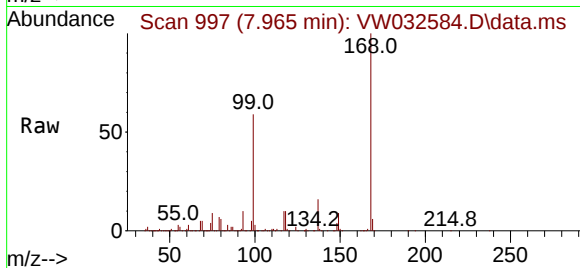




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

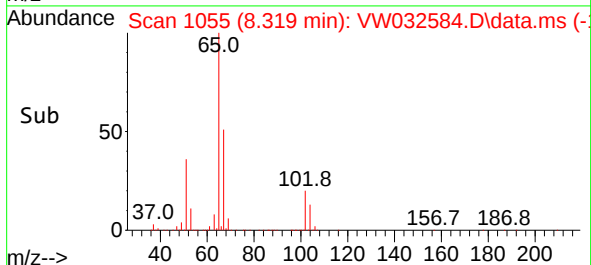
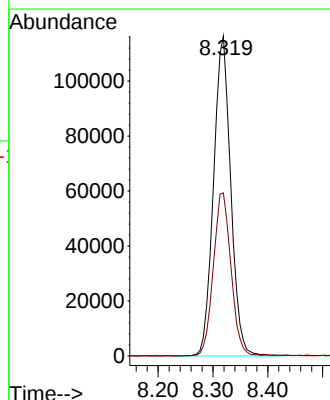
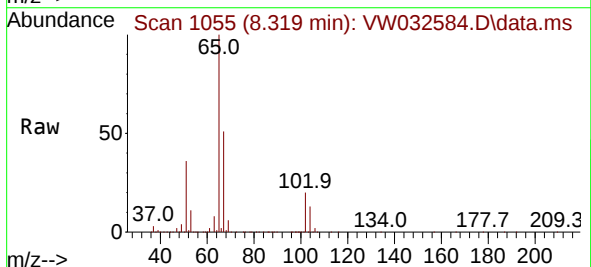
Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

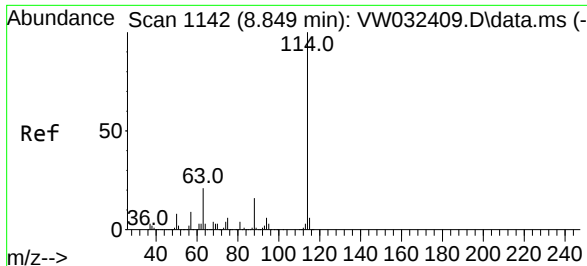
Tgt Ion:168 Resp: 314569
Ion Ratio Lower Upper
168 100
99 59.2 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 54.229 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion: 65 Resp: 253865
Ion Ratio Lower Upper
65 100
67 52.0 0.0 108.0

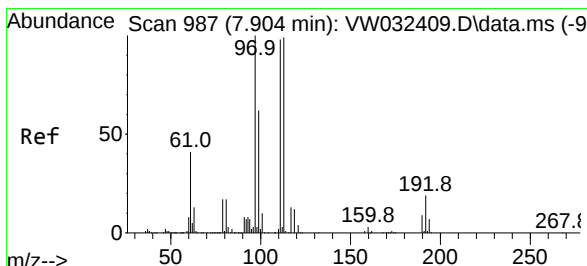
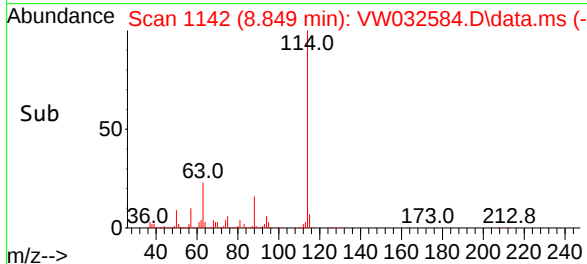
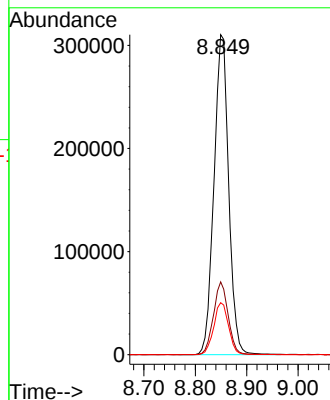
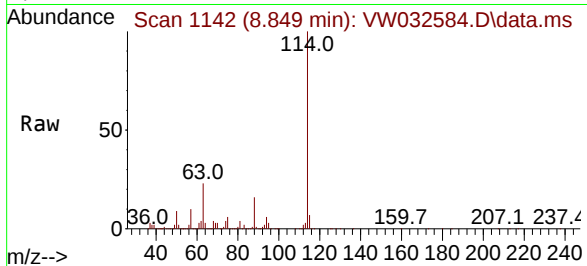




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

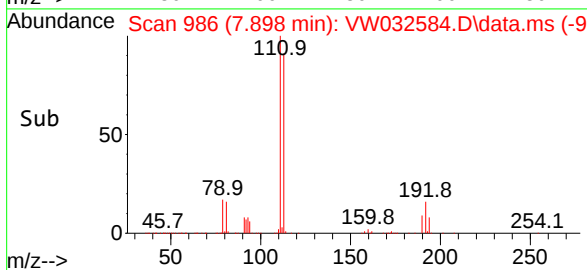
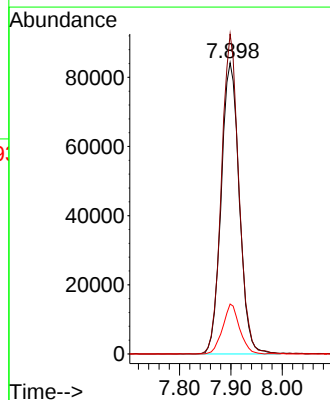
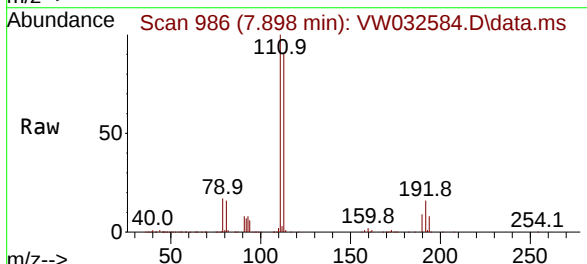
Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

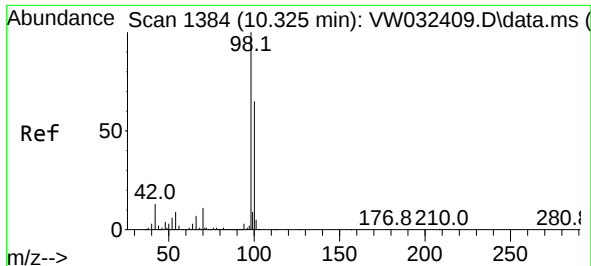
Tgt Ion:114 Resp: 616405
Ion Ratio Lower Upper
114 100
63 22.7 0.0 40.6
88 16.2 0.0 31.2



#35
Dibromofluoromethane
Concen: 50.738 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion:113 Resp: 205810
Ion Ratio Lower Upper
113 100
111 105.4 83.4 125.0
192 16.0 13.4 20.2

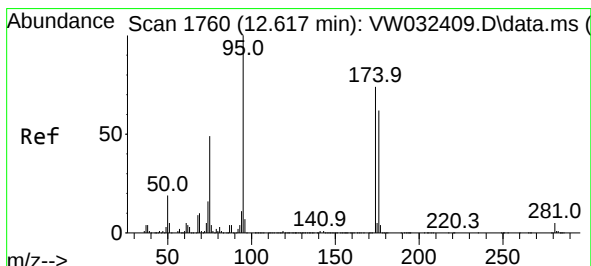
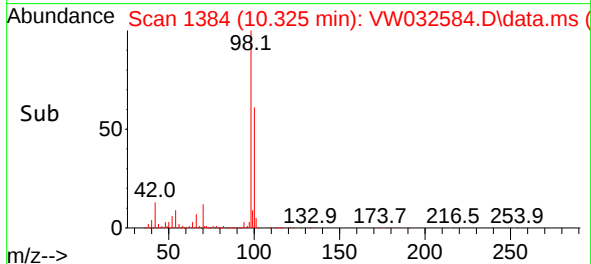
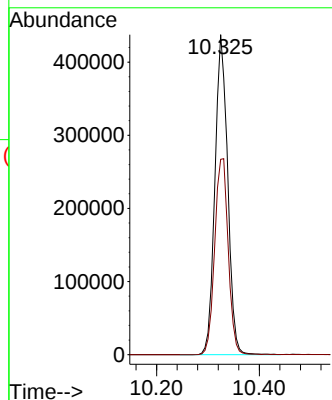
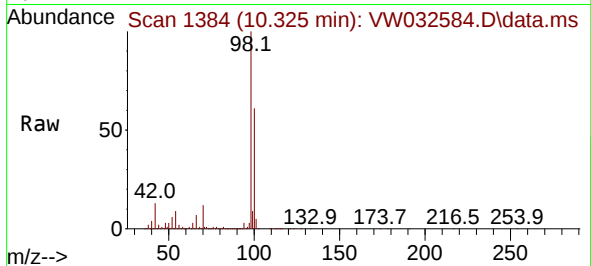




#50
Toluene-d8
Concen: 49.313 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

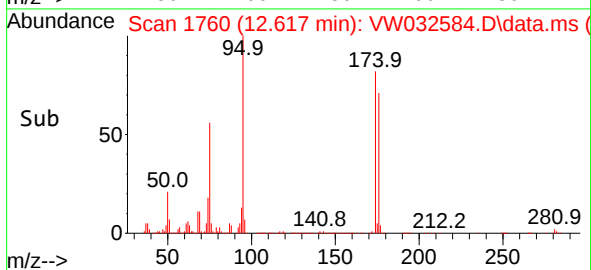
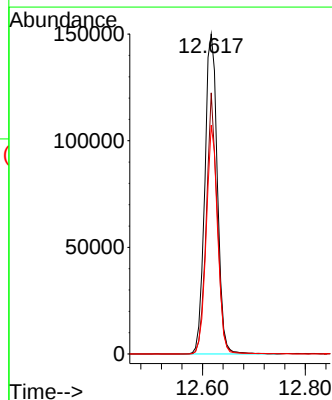
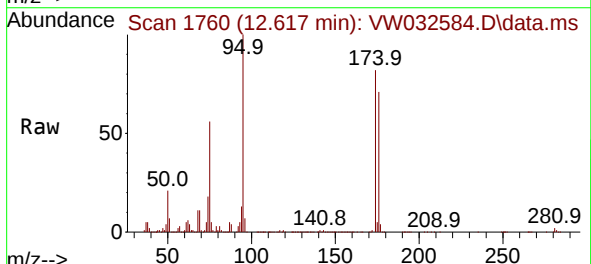
Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

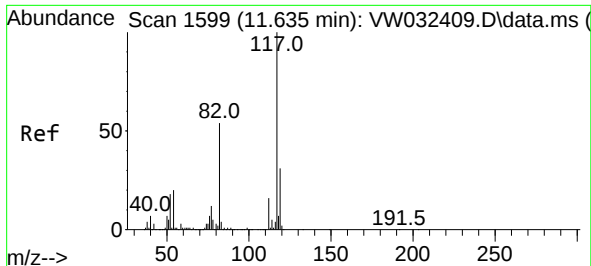
Tgt Ion: 98 Resp: 752692
Ion Ratio Lower Upper
98 100
100 65.1 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 45.099 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion: 95 Resp: 254323
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.2
176 65.2 0.0 130.8

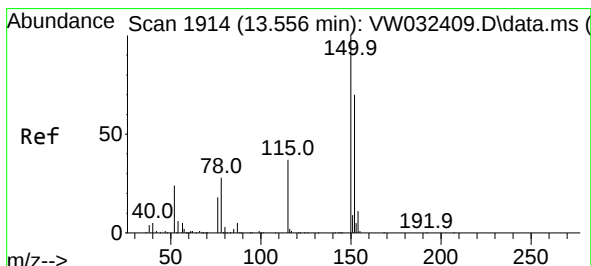
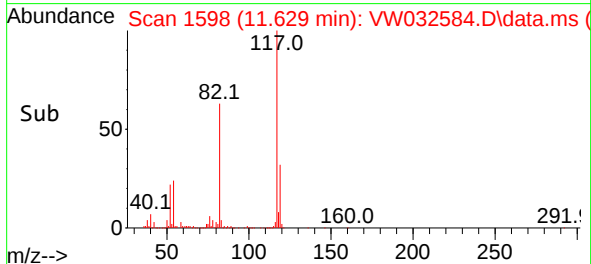
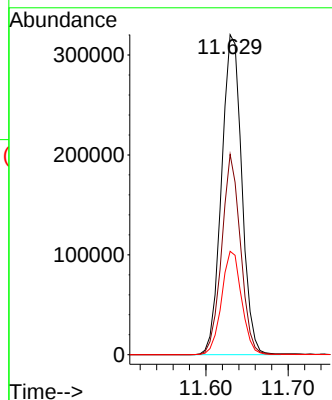
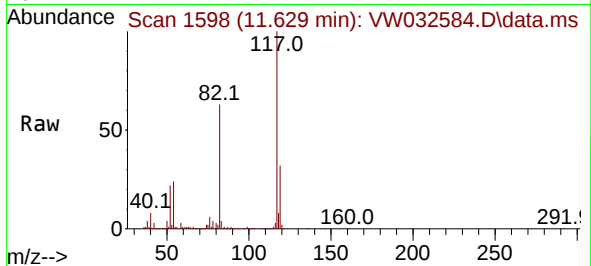




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Instrument :
MSVOA_W
ClientSampleId :
VW1208SBL01

Tgt Ion:117 Resp: 548609
Ion Ratio Lower Upper
117 100
82 62.6 45.9 68.9
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032584.D
Acq: 08 Dec 2025 10:18

Tgt Ion:152 Resp: 222458
Ion Ratio Lower Upper
152 100
115 66.0 31.1 93.3
150 165.2 0.0 351.2

