

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032163.D
 Acq On : 28 Aug 2025 16:14
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 29 01:21:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	151423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	309288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	307490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158243	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	114671	52.952	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	105.900%
35) Dibromofluoromethane	7.904	113	107178	49.392	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.780%
50) Toluene-d8	10.331	98	352913	46.329	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.660%
62) 4-Bromofluorobenzene	12.617	95	135210	48.001	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.000%

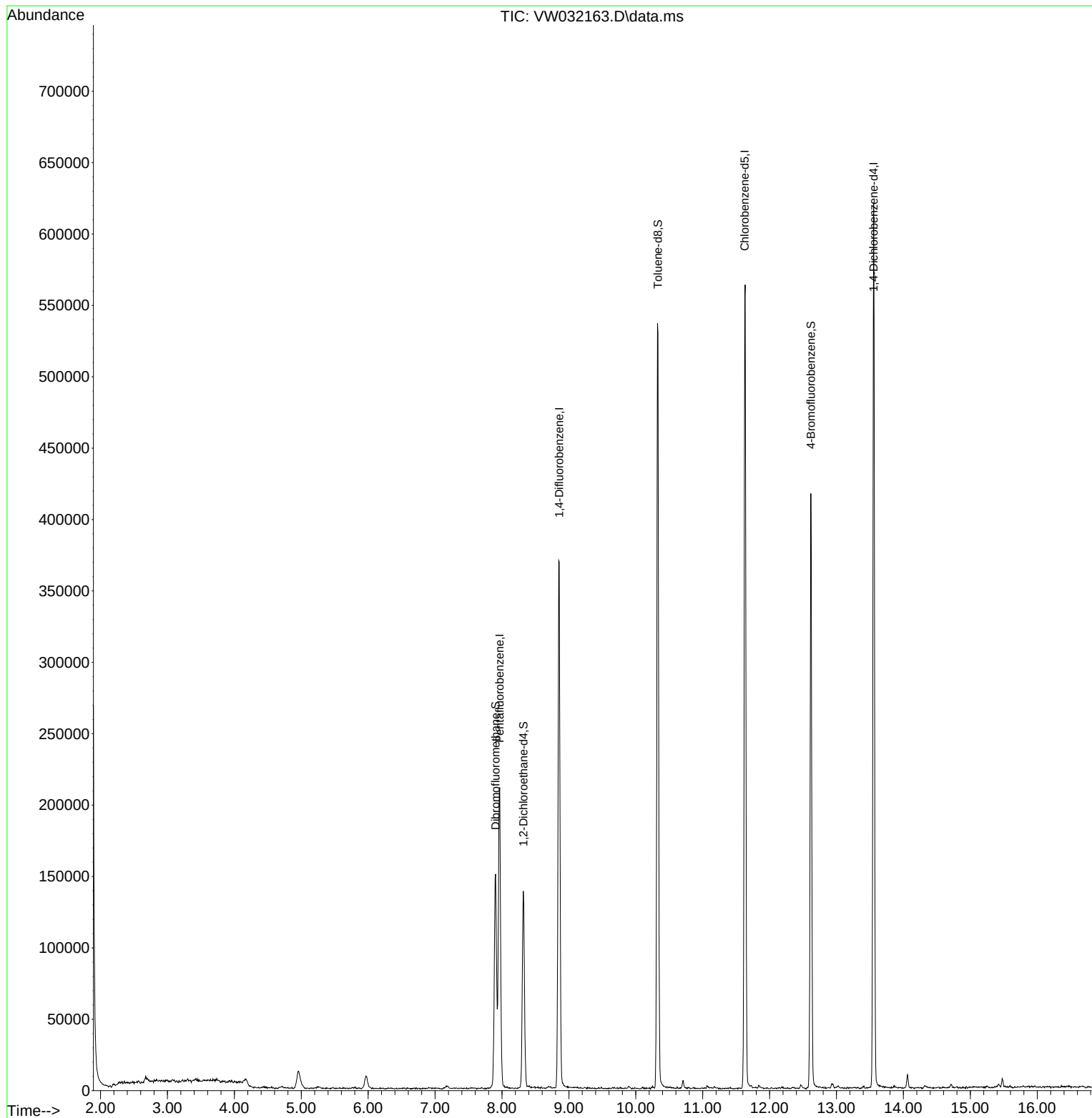
Target Compounds	Qvalue

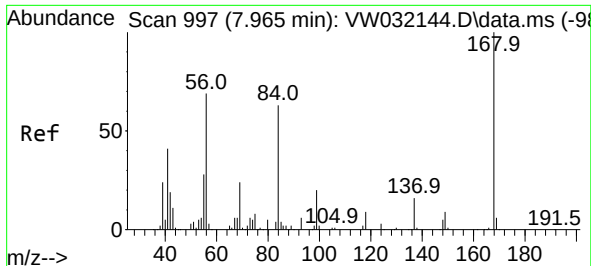
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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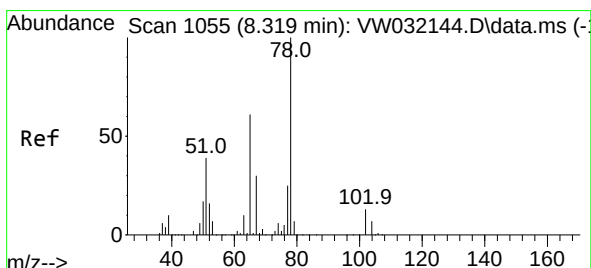
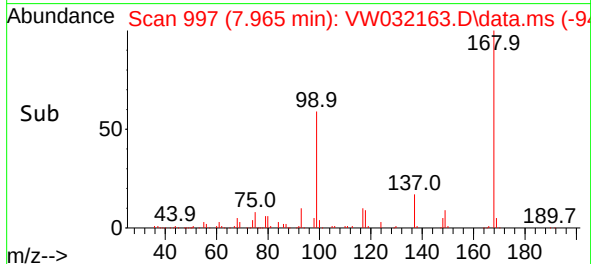
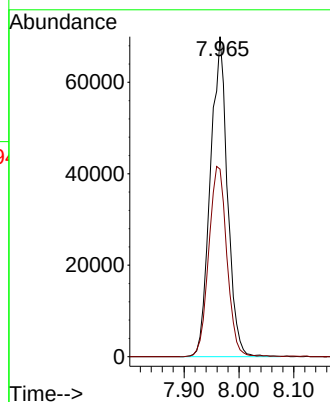
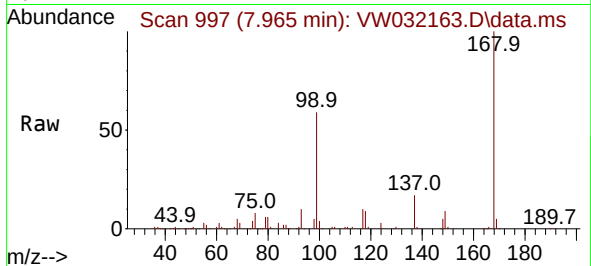




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032163.D
Acq: 28 Aug 2025 16:14

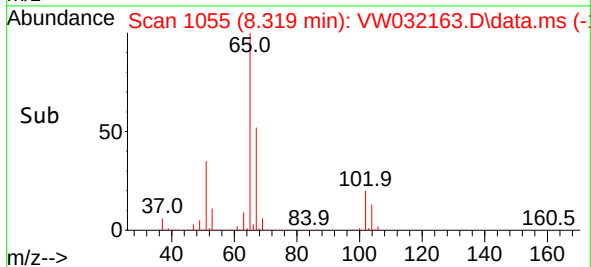
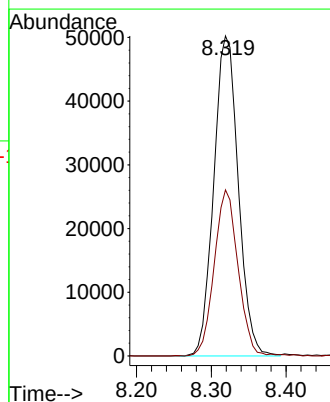
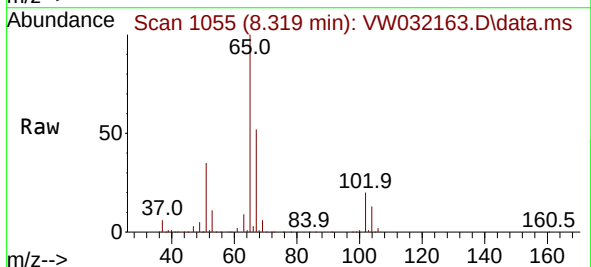
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

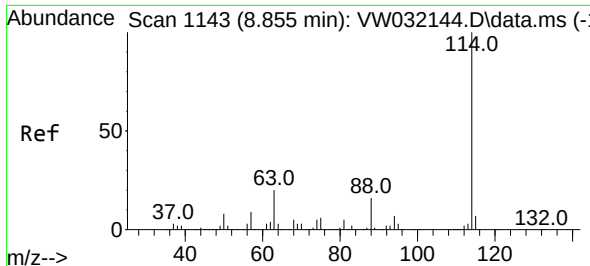
Tgt Ion:168 Resp: 151423
Ion Ratio Lower Upper
168 100
99 58.6 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 52.952 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032163.D
Acq: 28 Aug 2025 16:14

Tgt Ion: 65 Resp: 114671
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.6

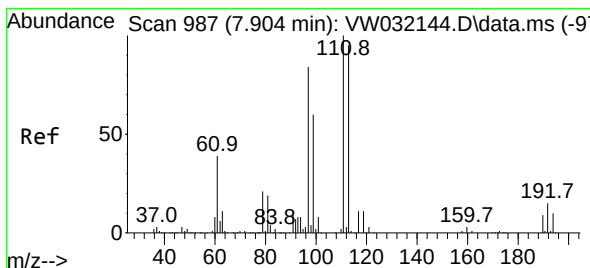
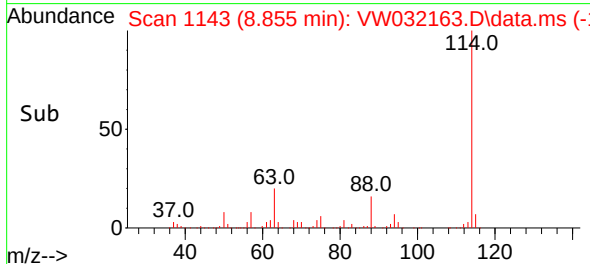
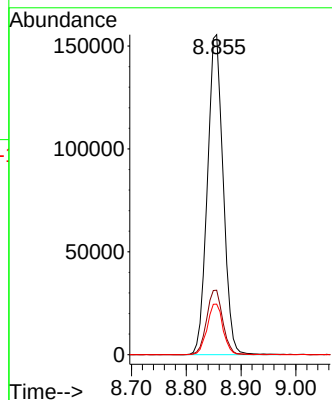
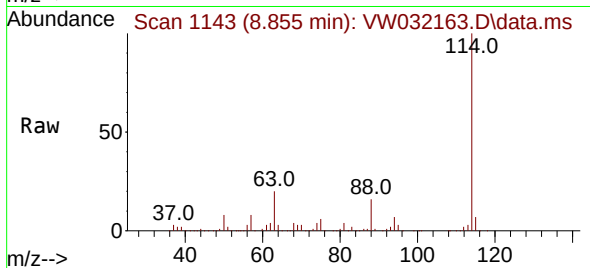




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032163.D
Acq: 28 Aug 2025 16:14

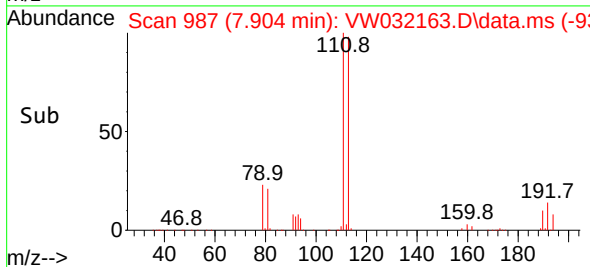
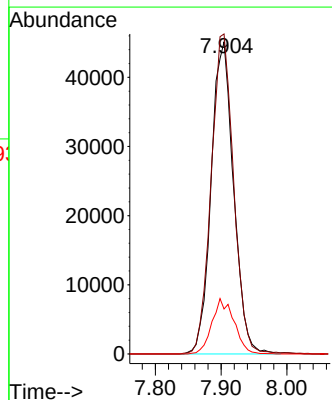
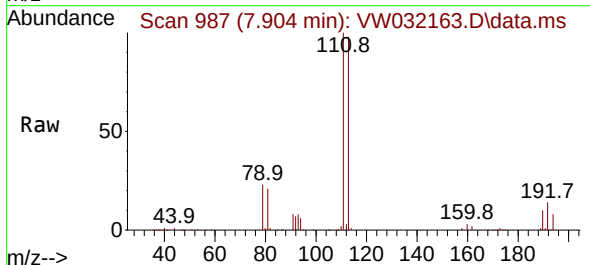
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

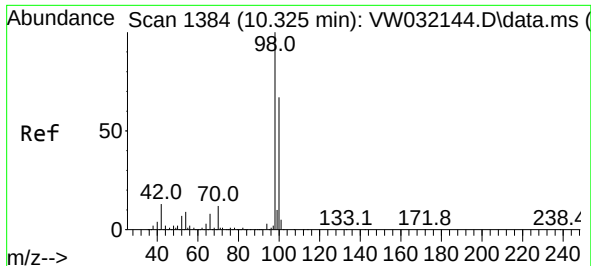
Tgt Ion:114 Resp: 309288
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.4
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.392 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032163.D
Acq: 28 Aug 2025 16:14

Tgt Ion:113 Resp: 107178
Ion Ratio Lower Upper
113 100
111 102.9 83.9 125.9
192 17.6 14.6 21.8

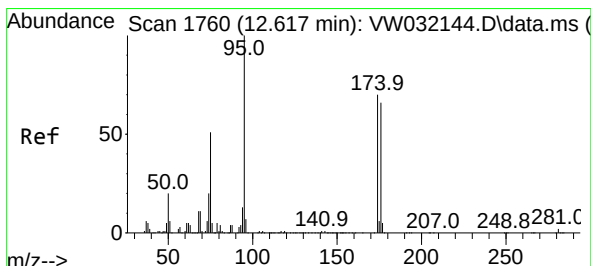
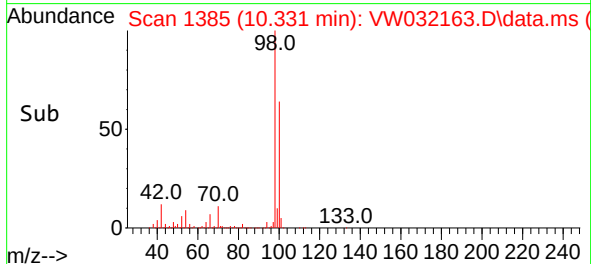
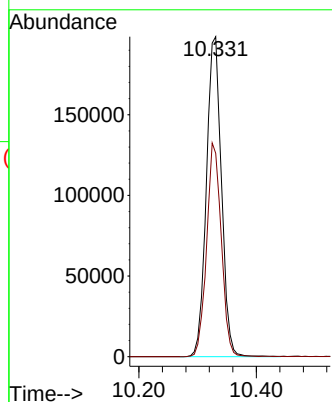
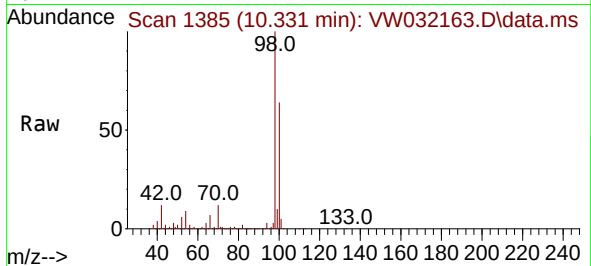




#50
Toluene-d8
Concen: 46.329 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032163.D
Acq: 28 Aug 2025 16:14

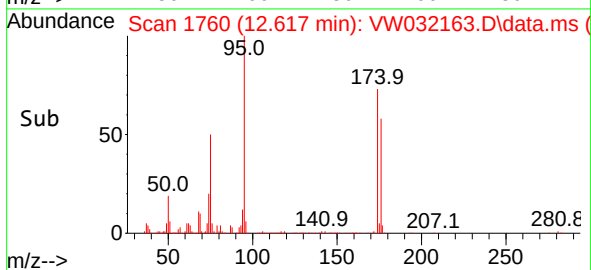
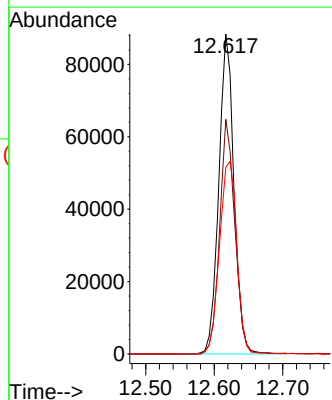
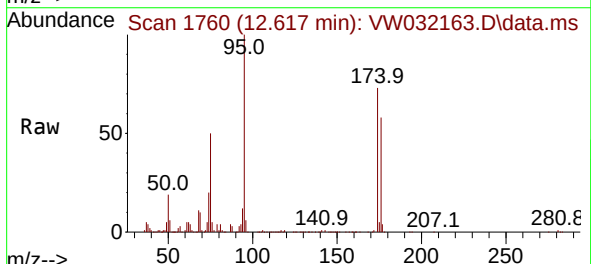
Instrument :
MSVOA_W
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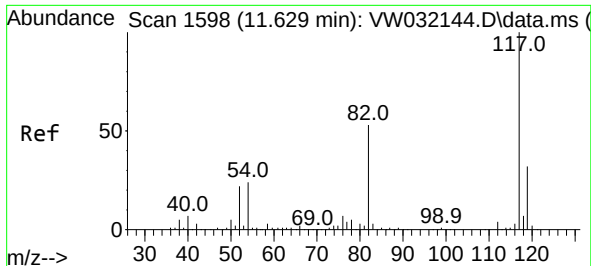
Tgt Ion: 98 Resp: 352913
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.001 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032163.D
Acq: 28 Aug 2025 16:14

Tgt Ion: 95 Resp: 135210
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.6
176 69.2 0.0 140.8

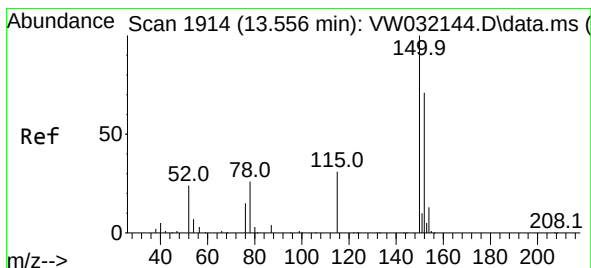
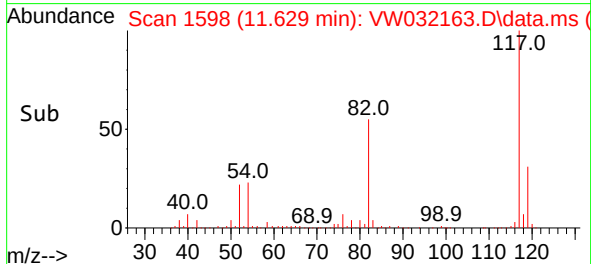
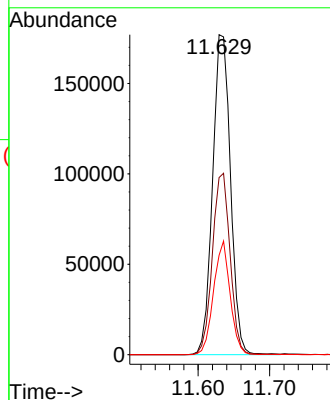
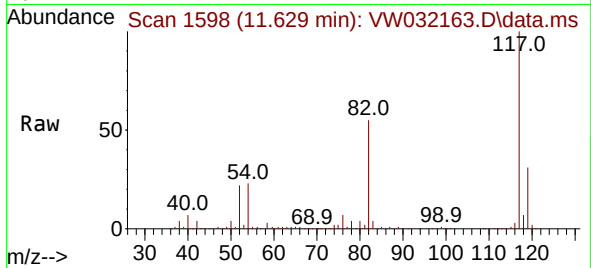




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032163.D
Acq: 28 Aug 2025 16:14

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 307490
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 31.1 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: VW032163.D
Acq: 28 Aug 2025 16:14

Tgt Ion:152 Resp: 158243
Ion Ratio Lower Upper
152 100
115 59.4 31.8 95.4
150 154.8 0.0 343.0

