

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093025\
 Data File : VW032307.D
 Acq On : 30 Sep 2025 16:41
 Operator : SY/MD
 Sample : Q3245-18
 Misc : 4.70g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 12-1

Quant Time: Oct 01 00:55:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	187376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	418755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	437318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	216636	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174472	58.971	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.940%
35) Dibromofluoromethane	7.904	113	145384	48.275	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.560%
50) Toluene-d8	10.331	98	530348	48.864	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.720%
62) 4-Bromofluorobenzene	12.617	95	208193	50.853	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.700%

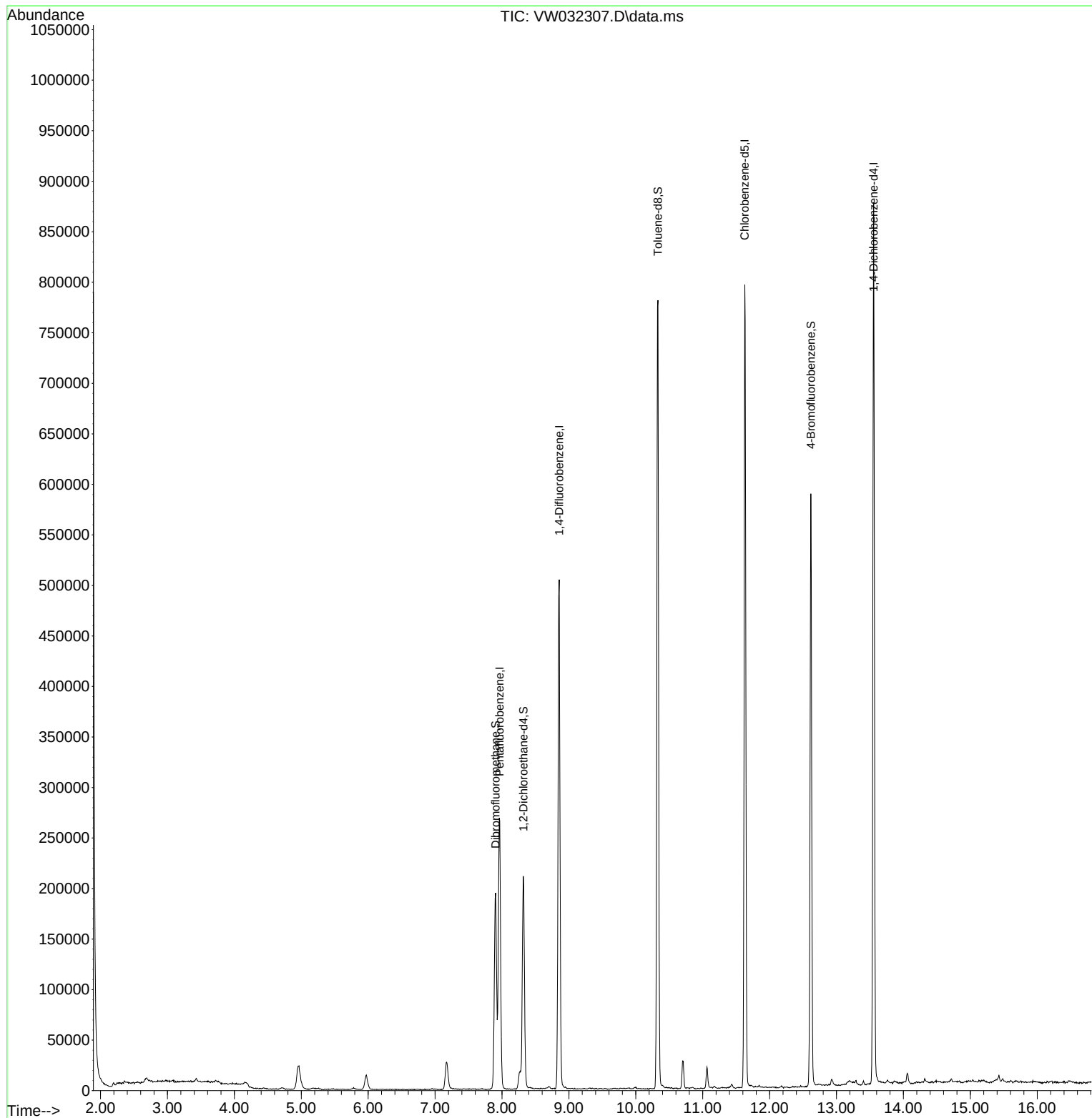
Target Compounds	Qvalue

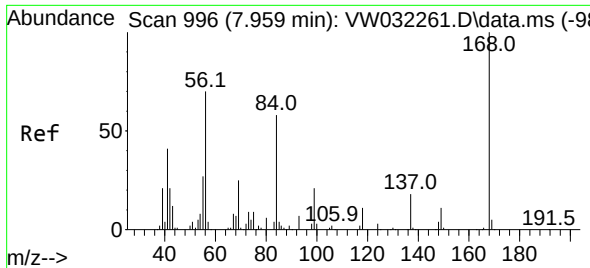
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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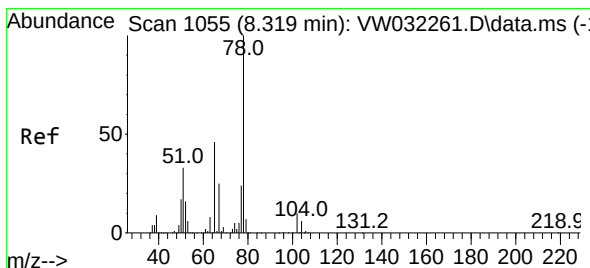
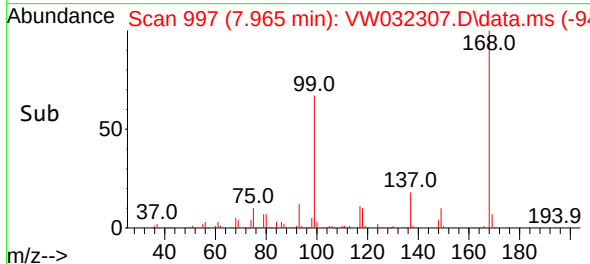
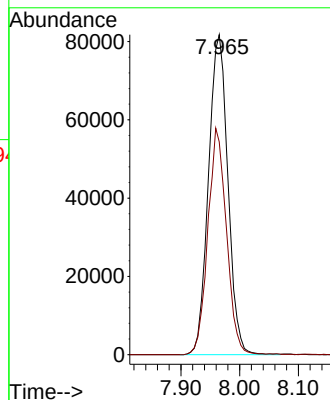
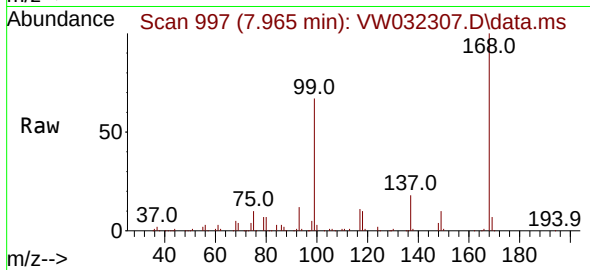




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032307.D
Acq: 30 Sep 2025 16:41

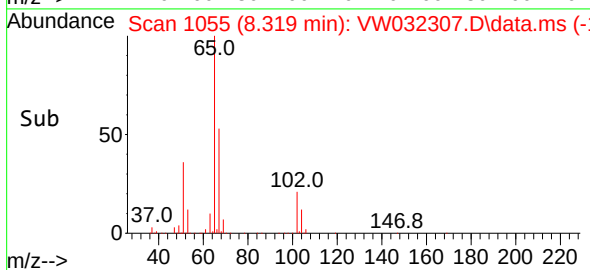
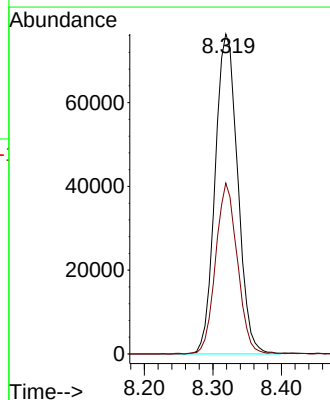
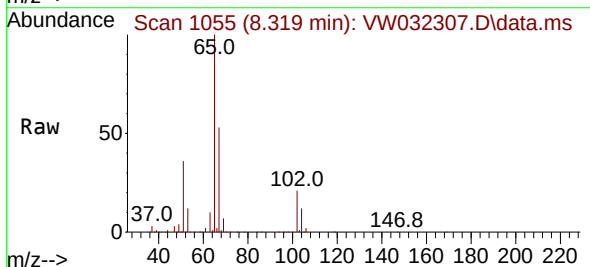
Instrument :
MSVOA_W
ClientSampleId :
12-1

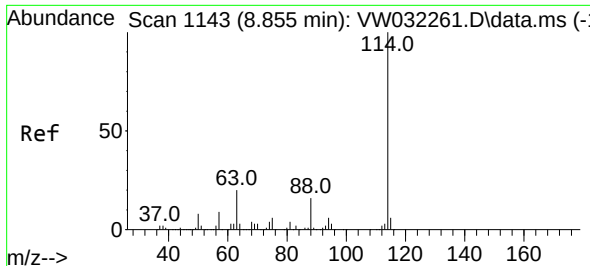
Tgt Ion:168 Resp: 187376
Ion Ratio Lower Upper
168 100
99 66.5 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 58.971 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032307.D
Acq: 30 Sep 2025 16:41

Tgt Ion: 65 Resp: 174472
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.8

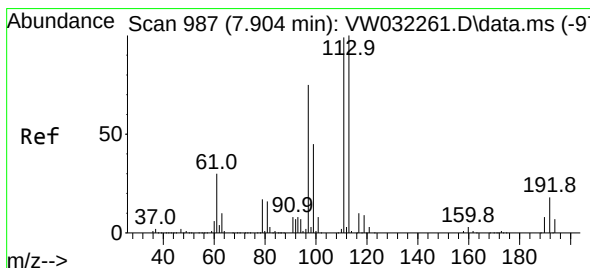
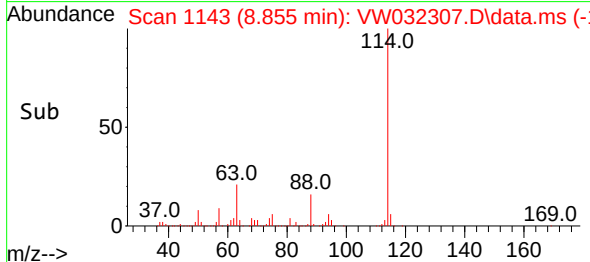
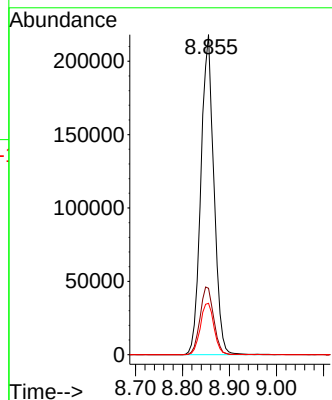
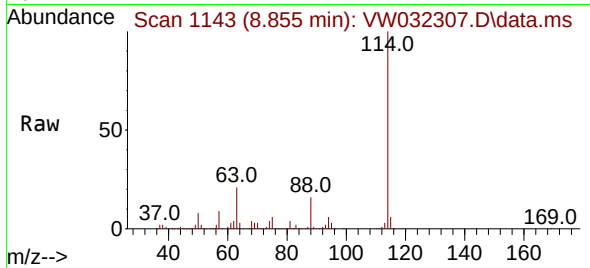




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032307.D
Acq: 30 Sep 2025 16:41

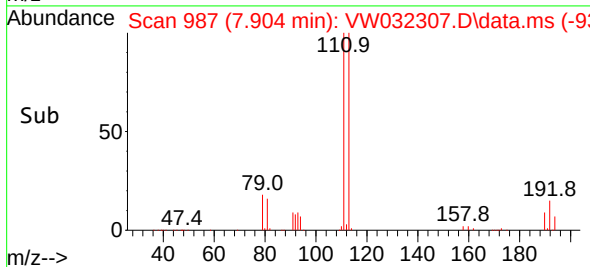
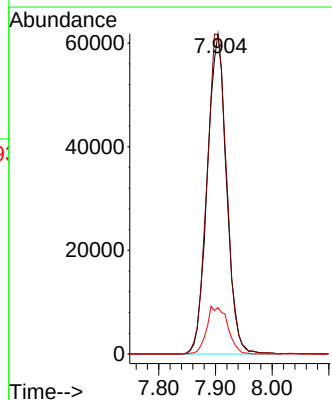
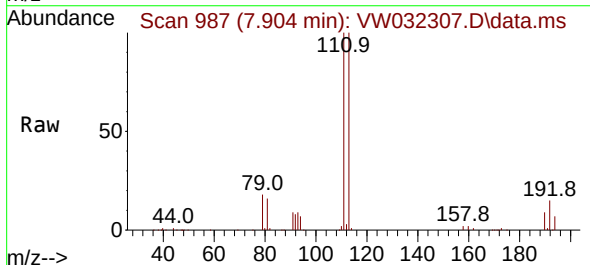
Instrument :
MSVOA_W
ClientSampleId :
12-1

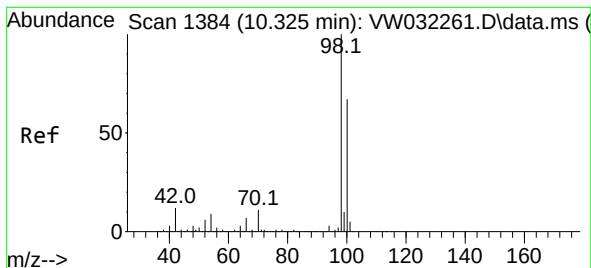
Tgt Ion:114 Resp: 418755
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.2
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 48.275 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032307.D
Acq: 30 Sep 2025 16:41

Tgt Ion:113 Resp: 145384
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.8
192 16.2 13.0 19.4





#50

Toluene-d8

Concen: 48.864 ug/l

RT: 10.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032307.D

Acq: 30 Sep 2025 16:41

Instrument :

MSVOA_W

ClientSampleId :

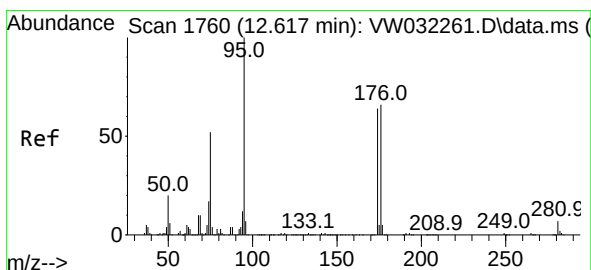
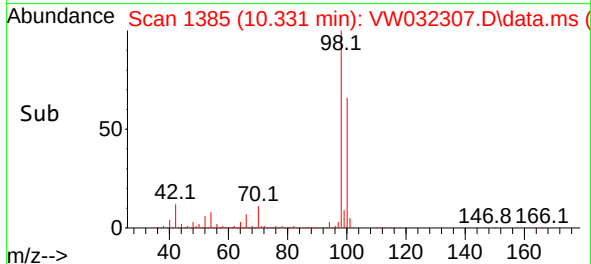
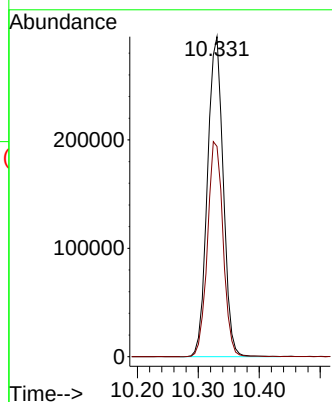
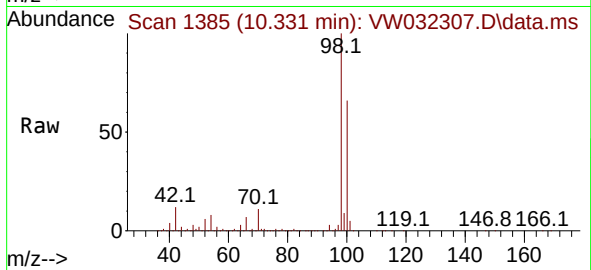
12-1

Tgt Ion: 98 Resp: 530348

Ion Ratio Lower Upper

98 100

100 66.6 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 50.853 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032307.D

Acq: 30 Sep 2025 16:41

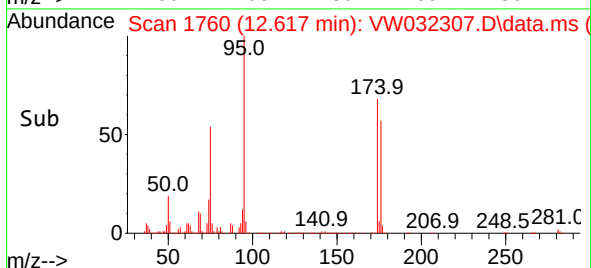
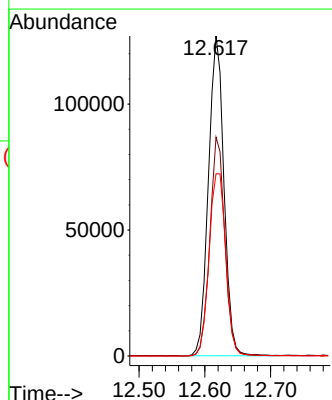
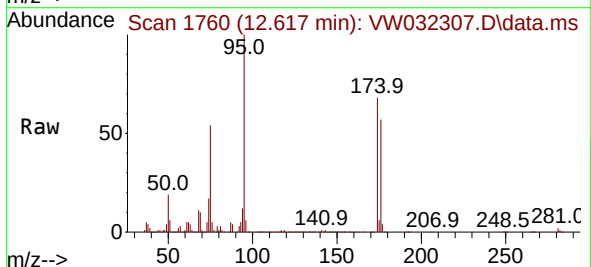
Tgt Ion: 95 Resp: 208193

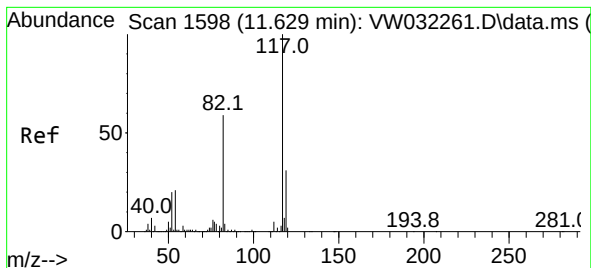
Ion Ratio Lower Upper

95 100

174 66.1 0.0 130.6

176 61.7 0.0 127.0

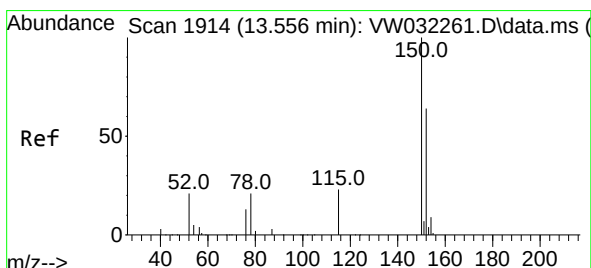
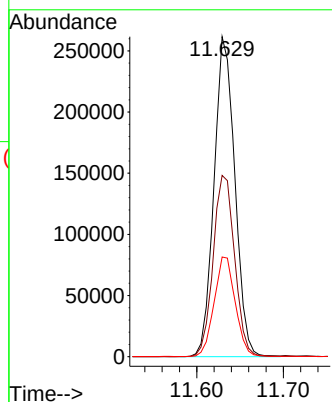
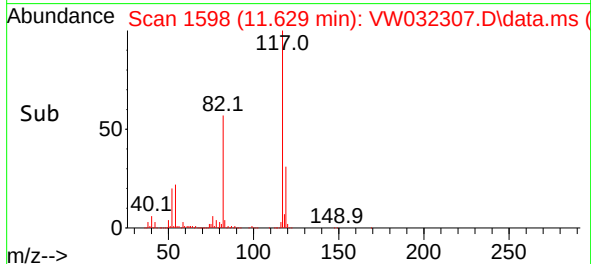
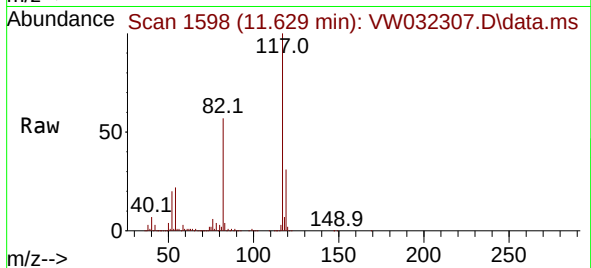




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032307.D
Acq: 30 Sep 2025 16:41

Instrument :
MSVOA_W
ClientSampleId :
12-1

Tgt Ion:117 Resp: 437318
Ion Ratio Lower Upper
117 100
82 56.6 46.9 70.3
119 31.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032307.D
Acq: 30 Sep 2025 16:41

Tgt Ion:152 Resp: 216636
Ion Ratio Lower Upper
152 100
115 64.9 32.5 97.5
150 160.0 0.0 370.2

