

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026796.D
 Acq On : 4 Dec 2025 16:30
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VIBLK

Quant Time: Dec 05 04:08:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R120425S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 04:05:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.796	168	701221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.765	114	1273882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.915	117	1253402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.124	152	714960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.172	65	369494	43.311	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.620%	
35) Dibromofluoromethane	7.719	113	331425	45.910	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.820%	
50) Toluene-d8	10.428	98	1640975	48.269	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.540%	
62) 4-Bromofluorobenzene	13.043	95	625679	47.886	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.780%	

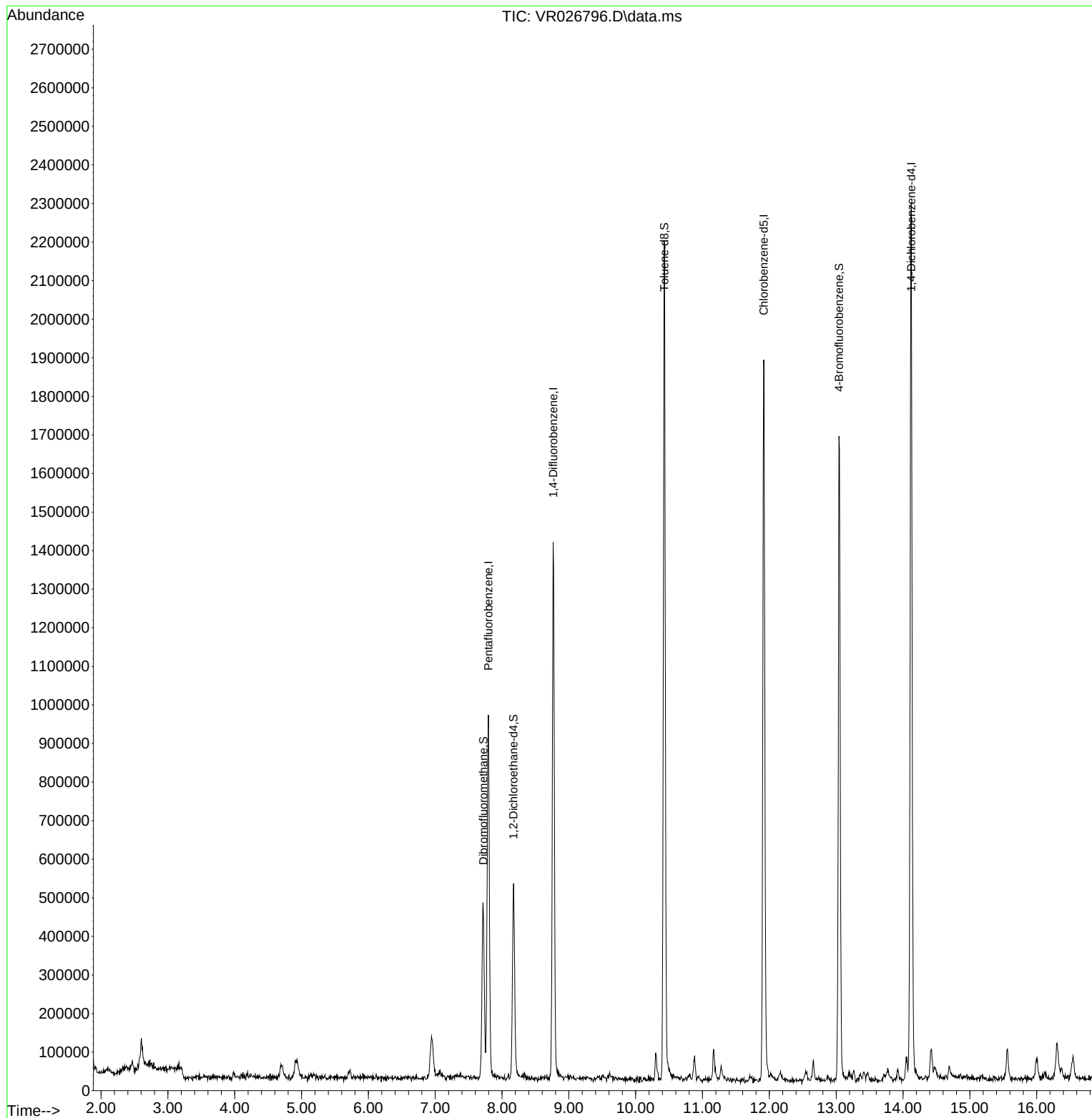
Target Compounds	Qvalue

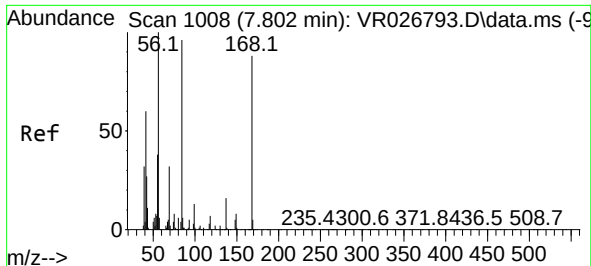
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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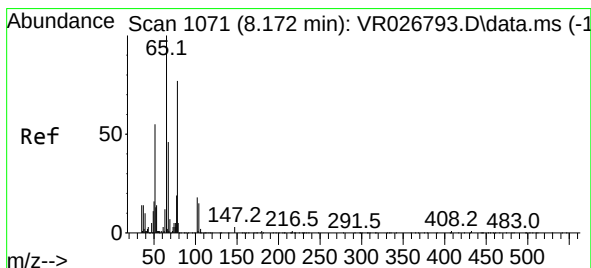
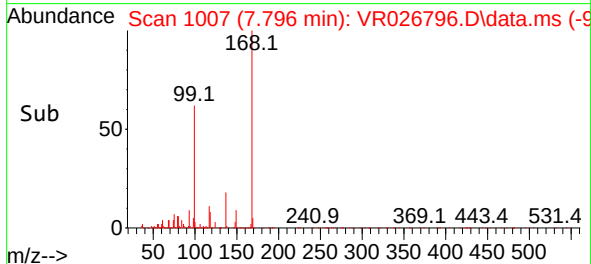
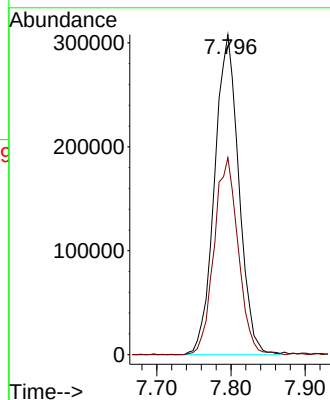
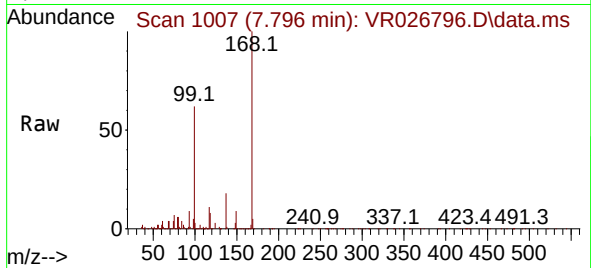




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.796 min Scan# 1007
Delta R.T. -0.006 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

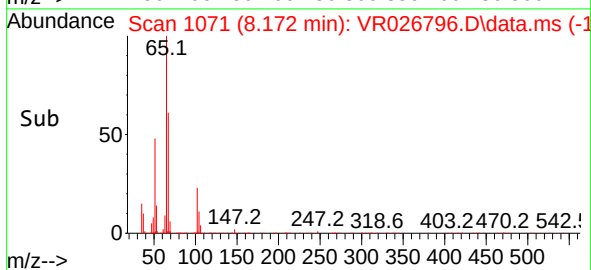
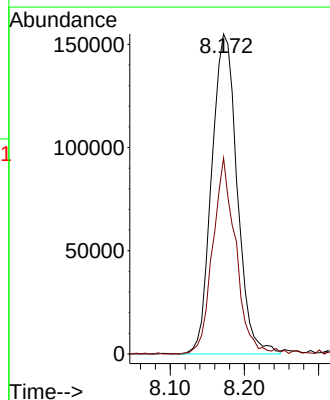
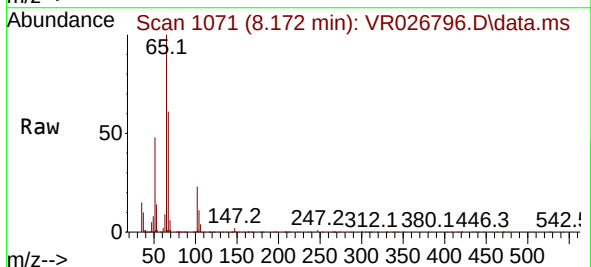
Instrument :
MSVOA_R
ClientSampleId :
VIBLK

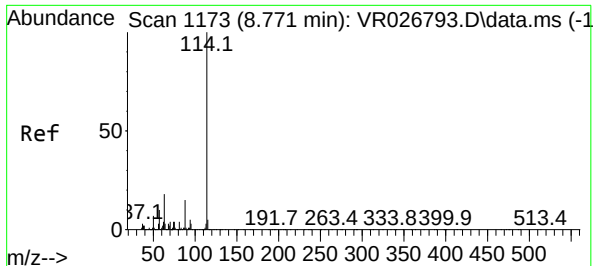
Tgt Ion:168 Resp: 701221
Ion Ratio Lower Upper
168 100
99 61.5 45.3 67.9



#33
1,2-Dichloroethane-d4
Concen: 43.311 ug/l
RT: 8.172 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

Tgt Ion: 65 Resp: 369494
Ion Ratio Lower Upper
65 100
67 55.0 0.0 103.6

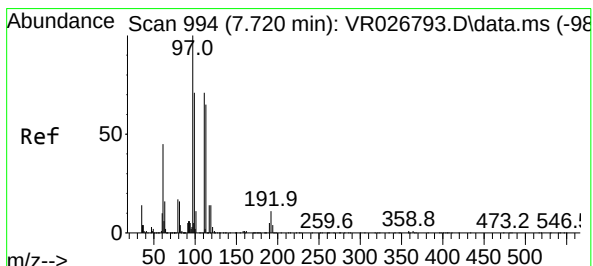
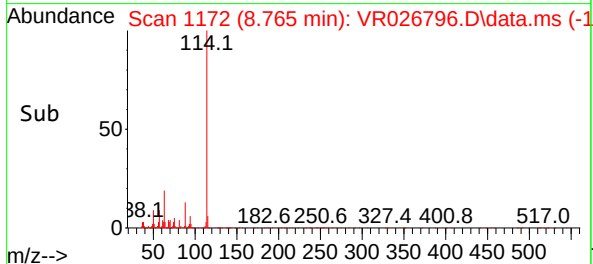
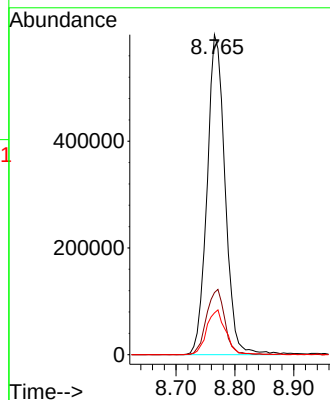
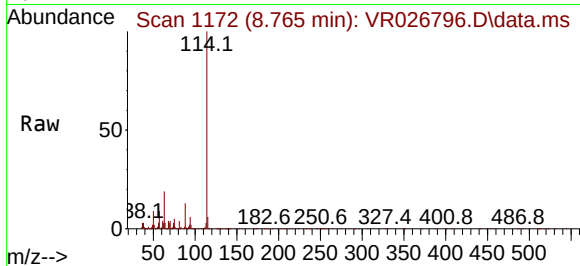




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.765 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

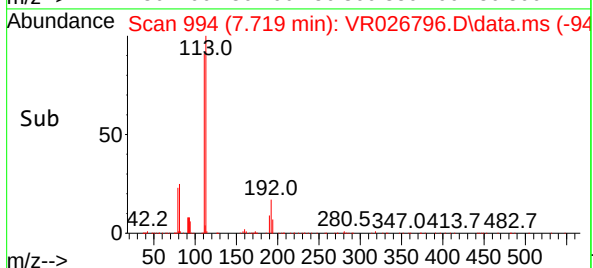
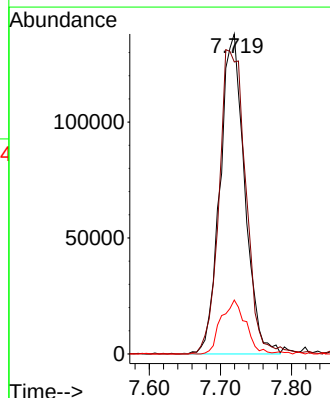
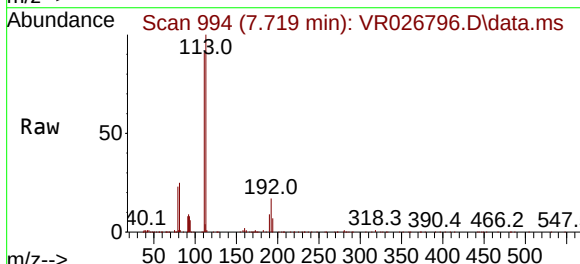
Instrument :
MSVOA_R
ClientSampleId :
VIBLK

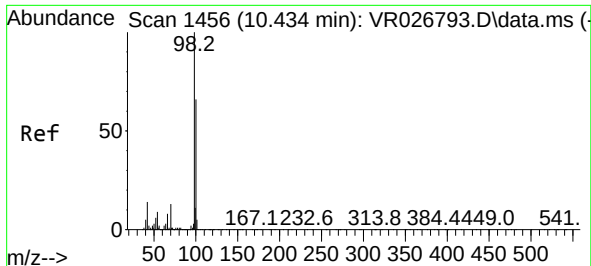
Tgt Ion:114 Resp: 1273882
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.6
88 13.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 45.910 ug/l
RT: 7.719 min Scan# 994
Delta R.T. -0.001 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

Tgt Ion:113 Resp: 331425
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 16.9 13.8 20.8

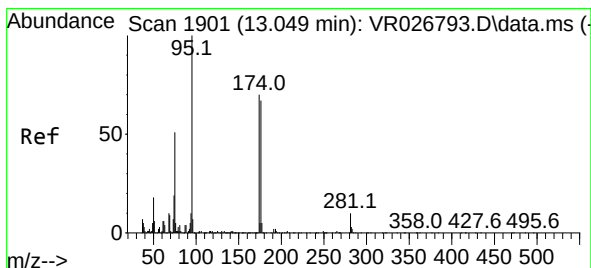
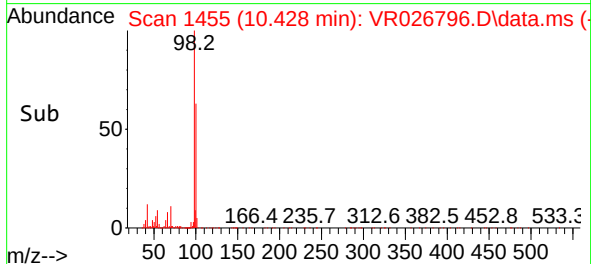
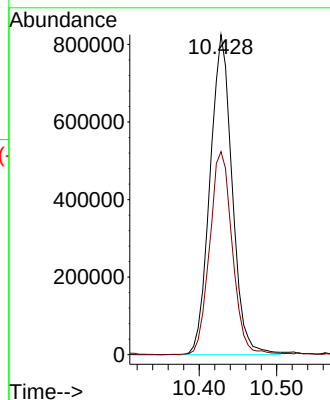
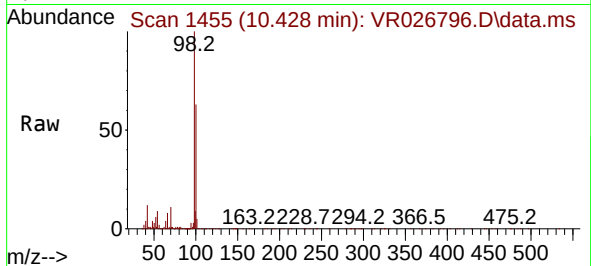




#50
Toluene-d8
Concen: 48.269 ug/l
RT: 10.428 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

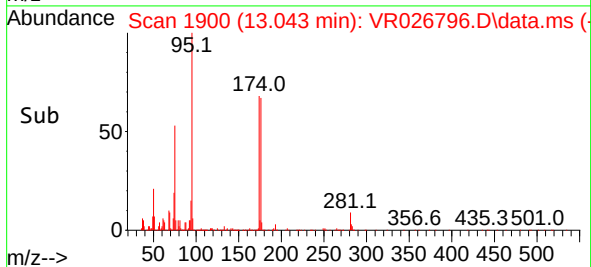
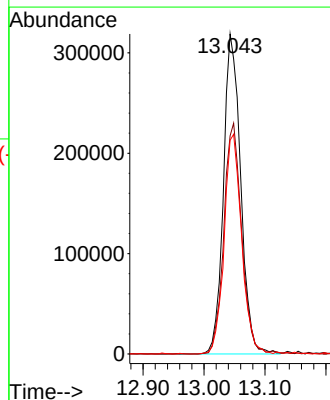
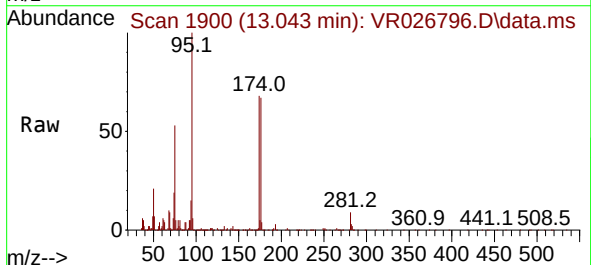
Instrument :
MSVOA_R
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VIBLK

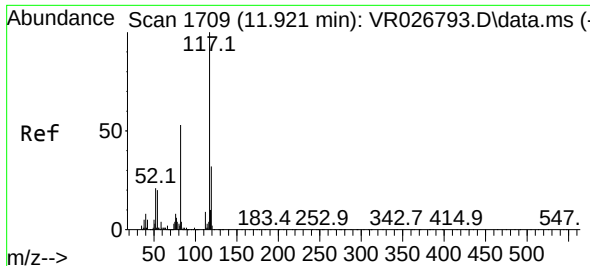
Tgt Ion: 98 Resp: 1640975
Ion Ratio Lower Upper
98 100
100 64.9 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 47.886 ug/l
RT: 13.043 min Scan# 1900
Delta R.T. -0.006 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

Tgt Ion: 95 Resp: 625679
Ion Ratio Lower Upper
95 100
174 74.4 0.0 145.6
176 70.0 0.0 140.6

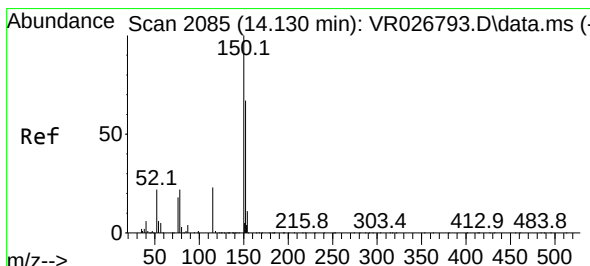
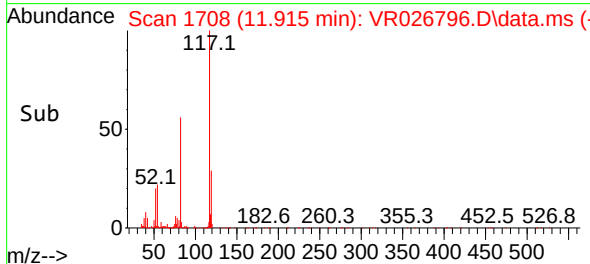
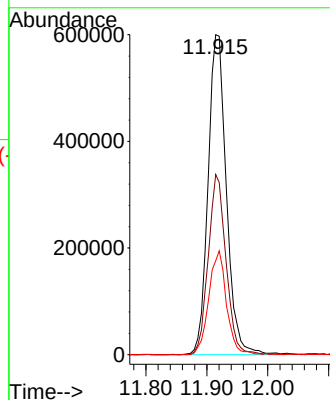
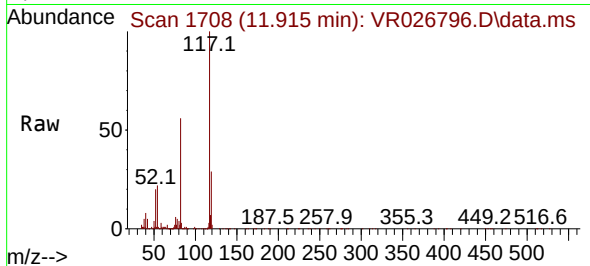




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.915 min Scan# 11
Delta R.T. -0.006 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

Instrument :
MSVOA_R
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1253402
Ion Ratio Lower Upper
117 100
82 56.3 42.3 63.5
119 29.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.124 min Scan# 2084
Delta R.T. -0.006 min
Lab File: VR026796.D
Acq: 4 Dec 2025 16:30

Tgt Ion:152 Resp: 714960
Ion Ratio Lower Upper
152 100
115 58.1 29.0 87.1
150 160.1 0.0 345.6

