

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111925\
 Data File : VD080541.D
 Acq On : 19 Nov 2025 09:50
 Operator : RP/MD
 Sample : VD1119SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBL01

Quant Time: Nov 20 04:03:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 18 00:45:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	256365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	420910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	354162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	153283	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	104377	48.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.980%
35) Dibromofluoromethane	7.806	113	120335	48.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.120%
50) Toluene-d8	10.270	98	500623	49.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.570	95	136190	47.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.520%

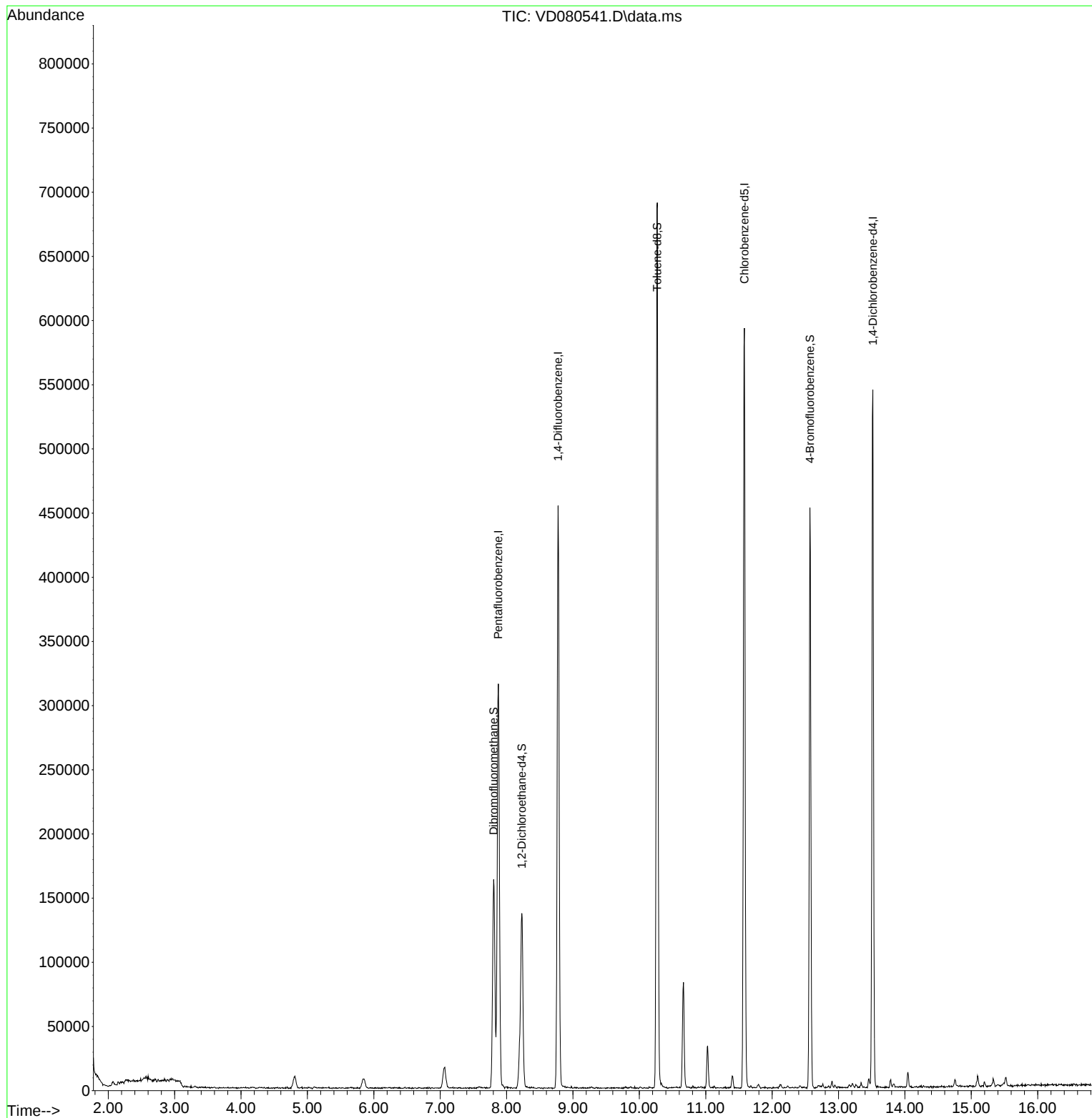
Target Compounds	Qvalue

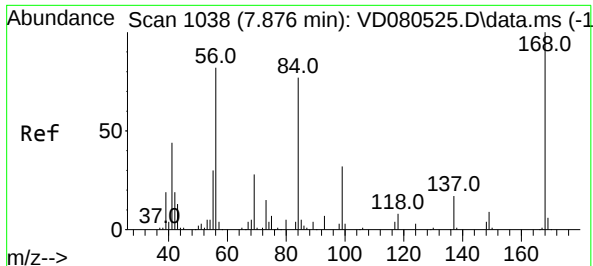
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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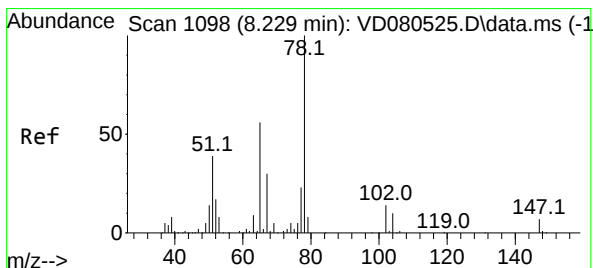
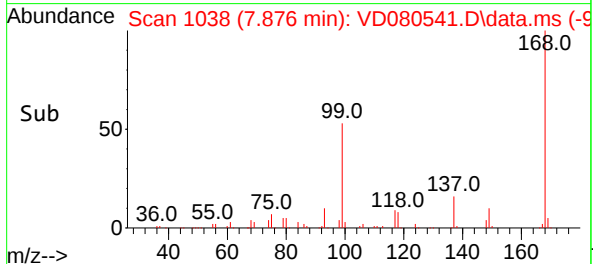
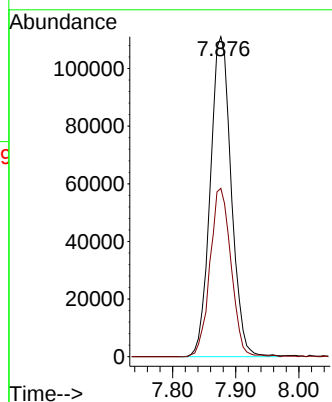
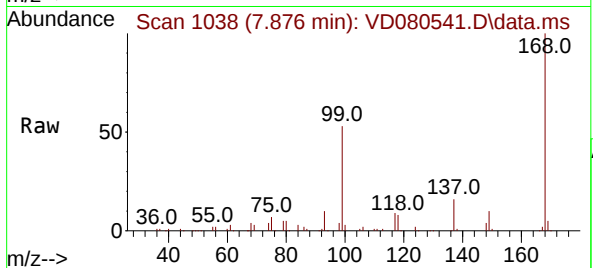




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080541.D
Acq: 19 Nov 2025 09:50

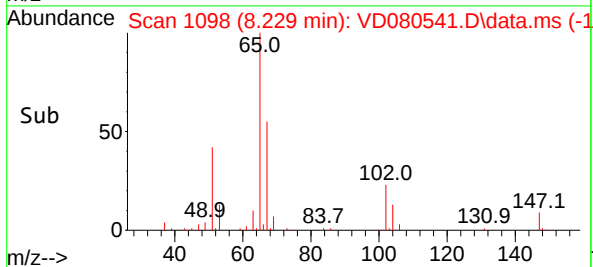
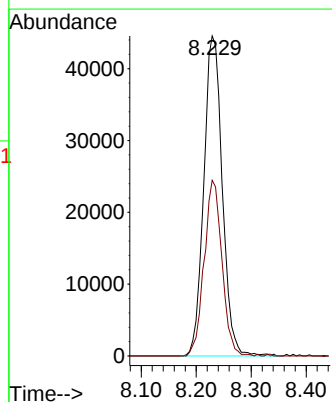
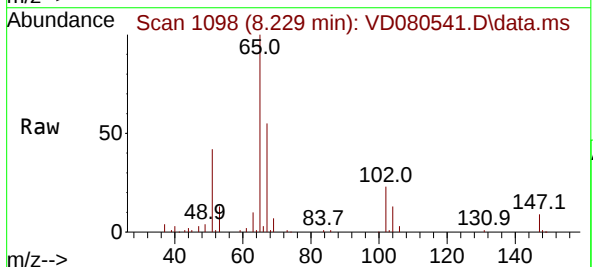
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

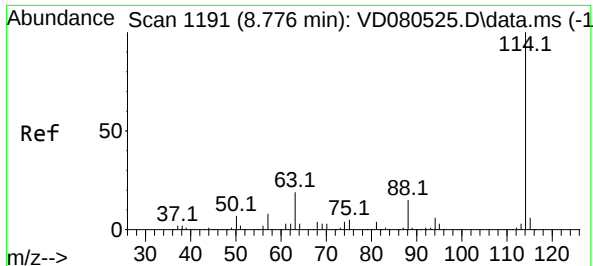
Tgt Ion:168 Resp: 256365
Ion Ratio Lower Upper
168 100
99 52.6 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 48.490 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VD080541.D
Acq: 19 Nov 2025 09:50

Tgt Ion: 65 Resp: 104377
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VD080541.D

Acq: 19 Nov 2025 09:50

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBL01

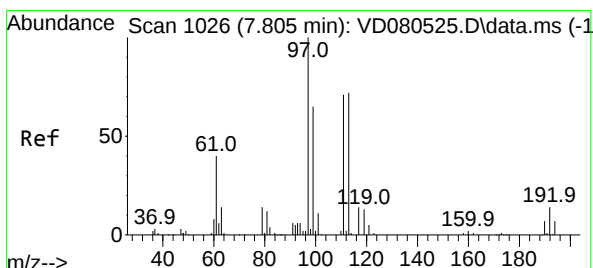
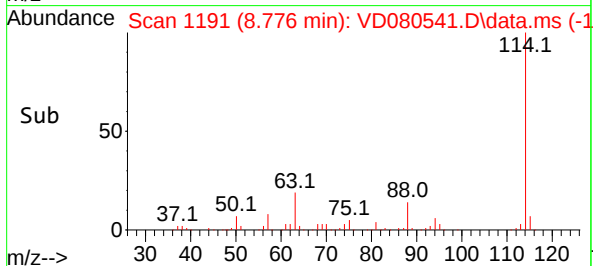
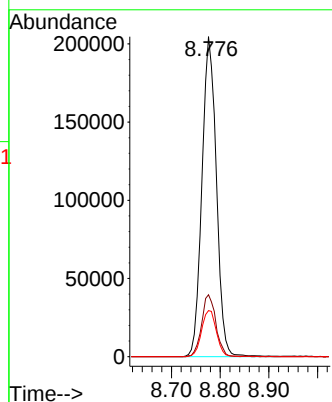
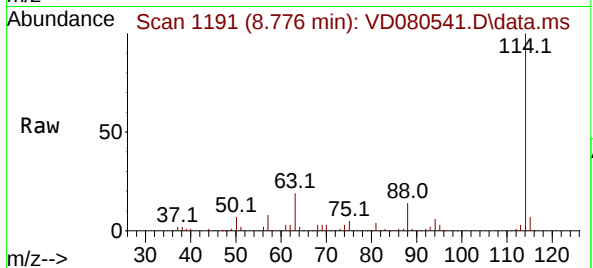
Tgt Ion:114 Resp: 420910

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.2

88 14.4 0.0 29.6



#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080541.D

Acq: 19 Nov 2025 09:50

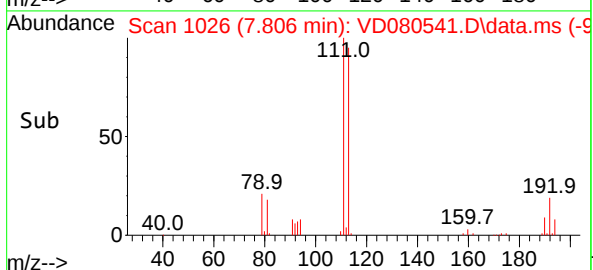
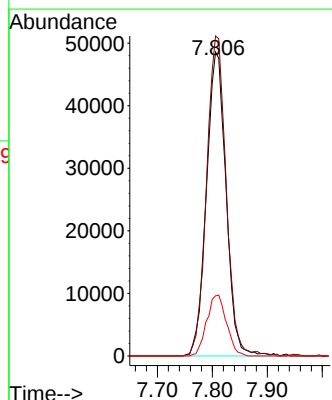
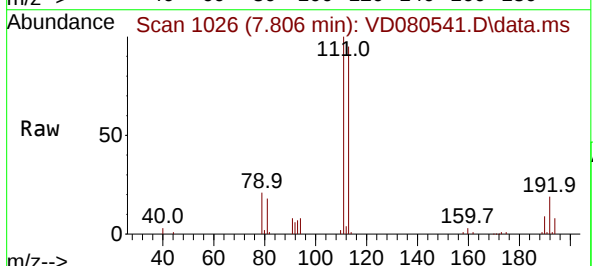
Tgt Ion:113 Resp: 120335

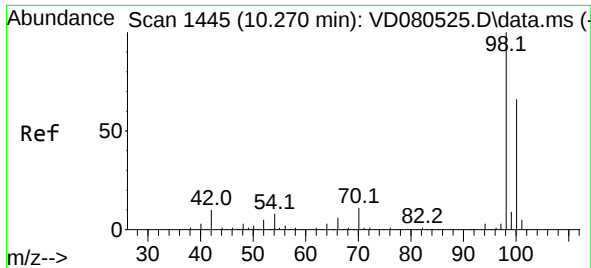
Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.2

192 20.2 16.0 24.0

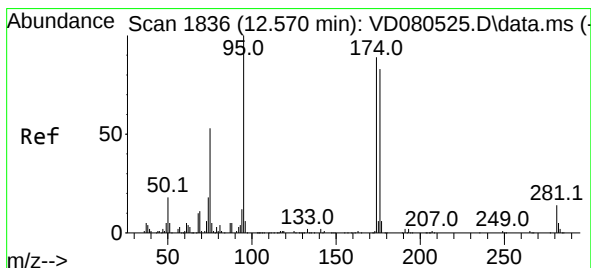
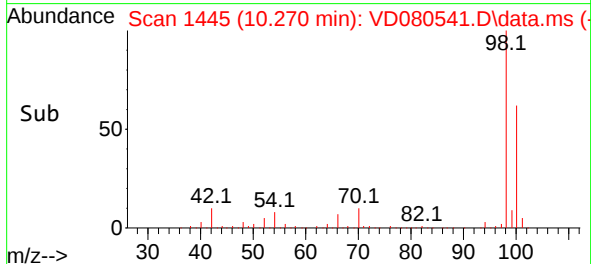
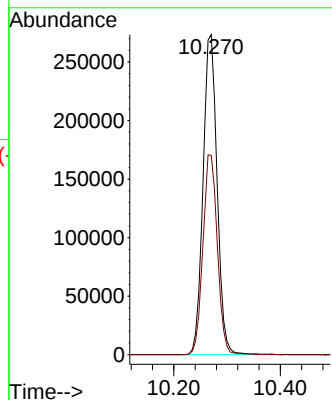
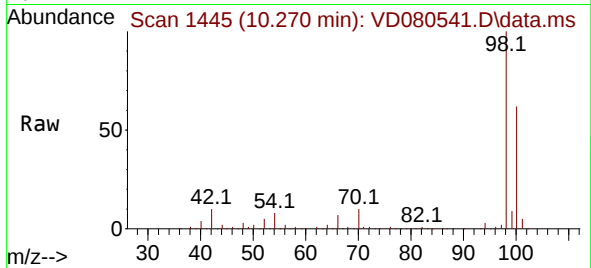




#50
Toluene-d8
Concen: 49.940 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VD080541.D
Acq: 19 Nov 2025 09:50

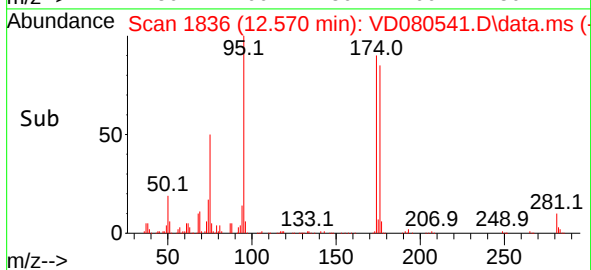
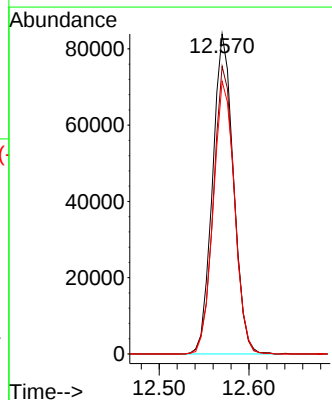
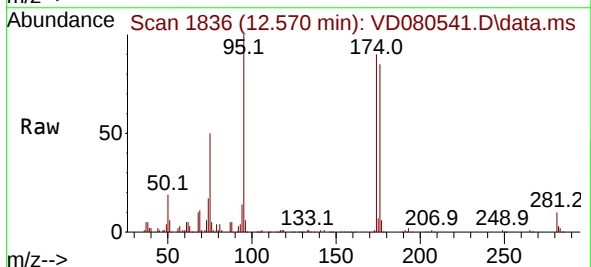
Instrument :
MSVOA_D
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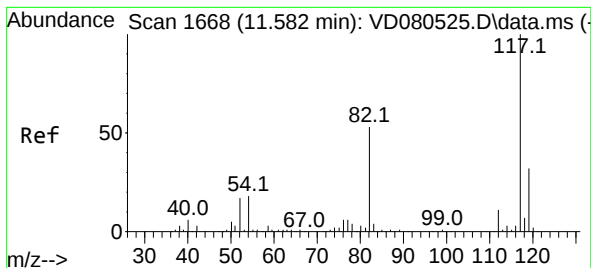
Tgt Ion: 98 Resp: 500623
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.257 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080541.D
Acq: 19 Nov 2025 09:50

Tgt Ion: 95 Resp: 136190
Ion Ratio Lower Upper
95 100
174 89.3 0.0 179.4
176 86.5 0.0 168.6

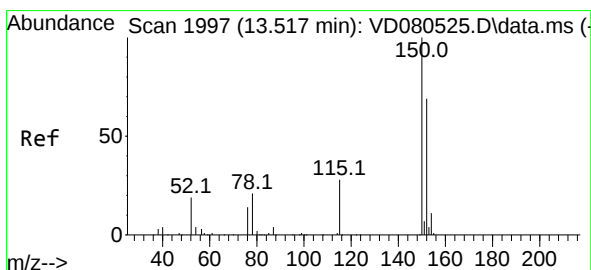
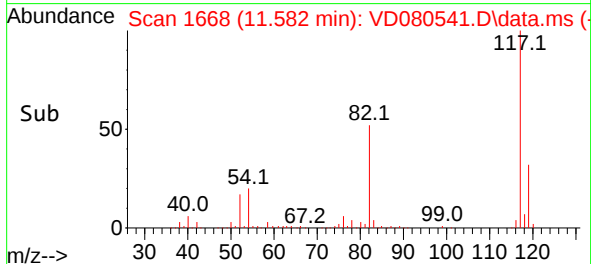
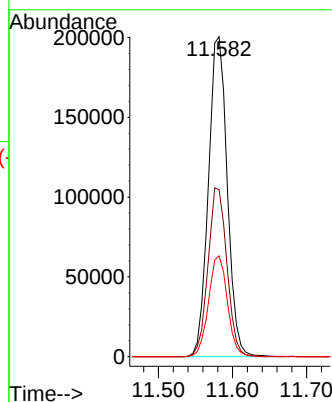
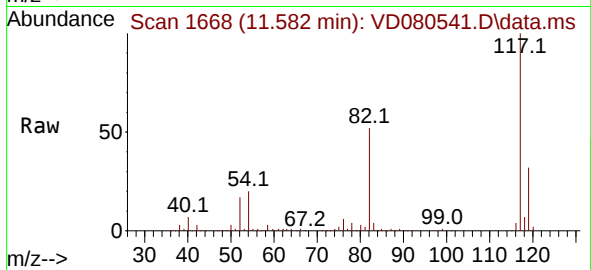




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD080541.D
Acq: 19 Nov 2025 09:50

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

Tgt Ion:117 Resp: 354162
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VD080541.D
Acq: 19 Nov 2025 09:50

Tgt Ion:152 Resp: 153283
Ion Ratio Lower Upper
152 100
115 57.2 28.1 84.3
150 159.0 0.0 345.6

