

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090525\
 Data File : VD080515.D
 Acq On : 05 Sep 2025 09:54
 Operator : RP/MD
 Sample : VD0905SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBL01

Quant Time: Sep 06 02:59:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 03:02:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	361670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	625107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	541756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	254170	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	184017	45.098	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.200%
35) Dibromofluoromethane	7.805	113	179913	47.418	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.840%
50) Toluene-d8	10.270	98	730749	48.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.570	95	222177	46.781	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.560%

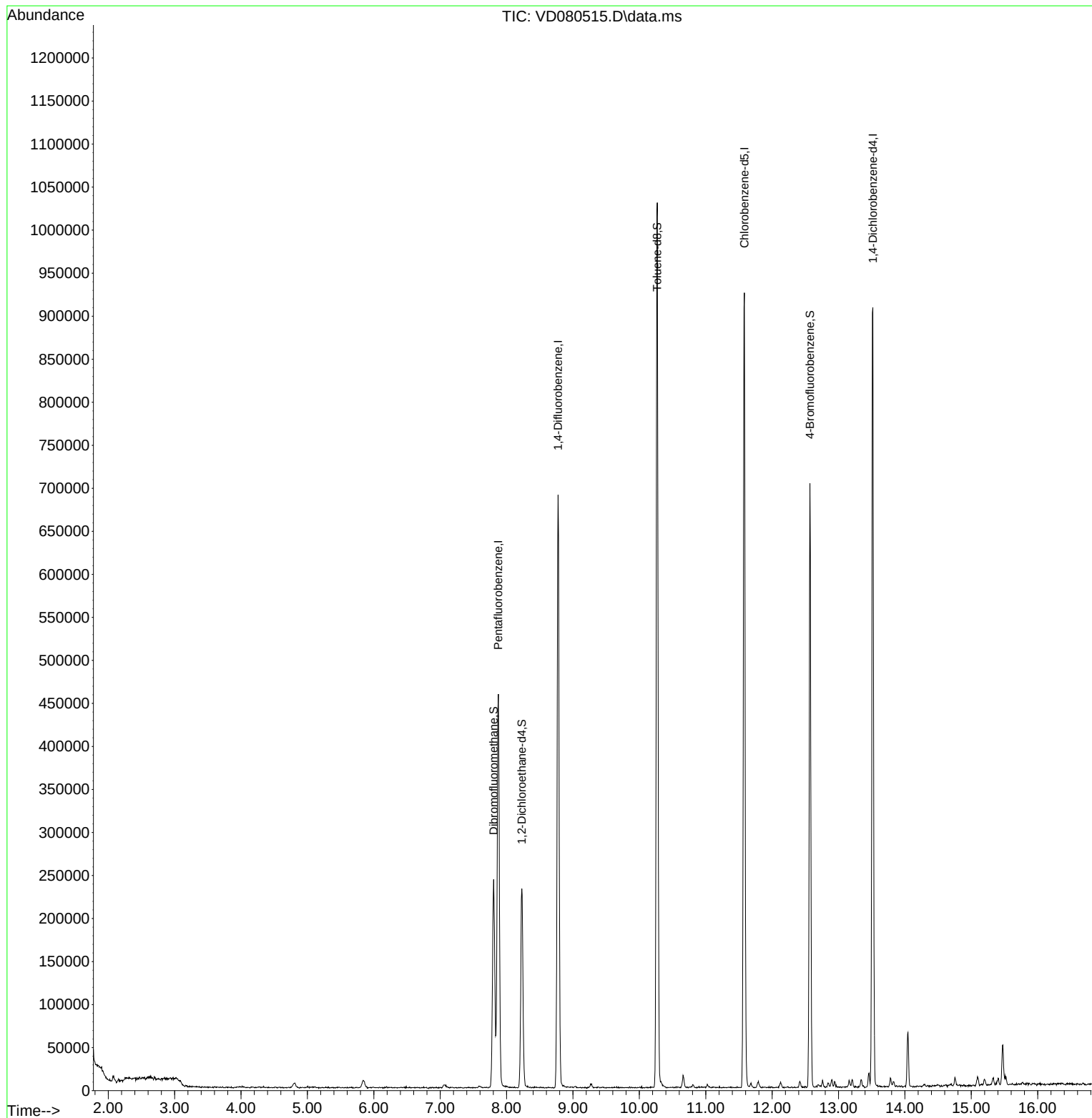
Target Compounds	Qvalue

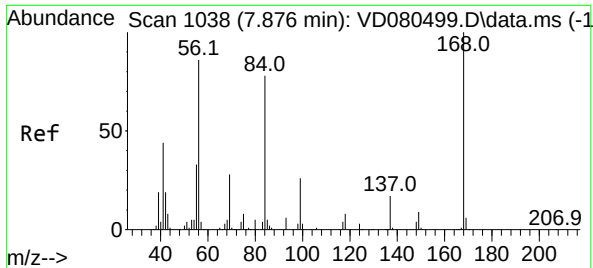
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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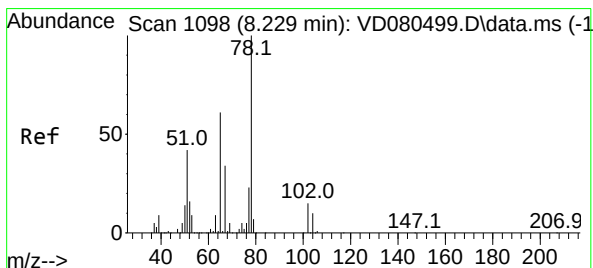
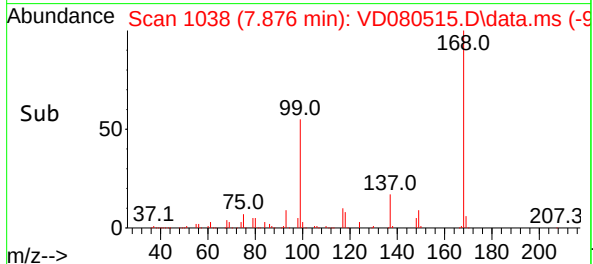
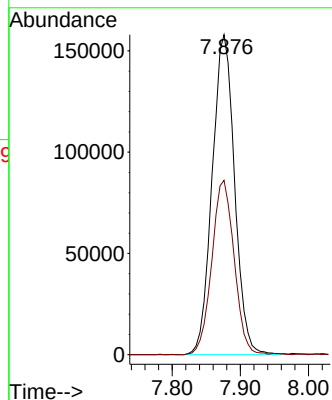
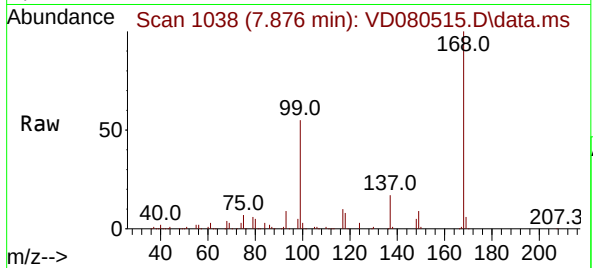




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VD080515.D
Acq: 05 Sep 2025 09:54

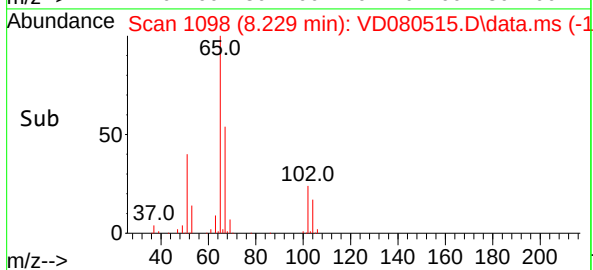
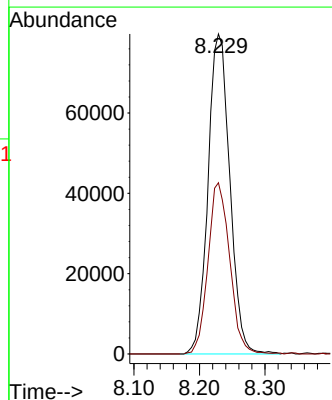
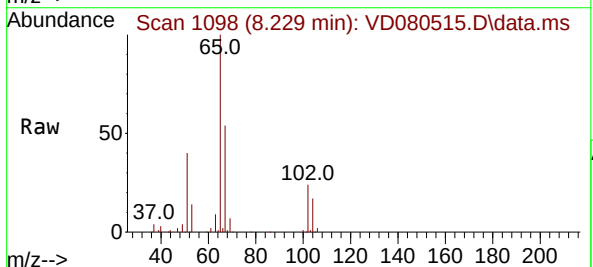
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBL01

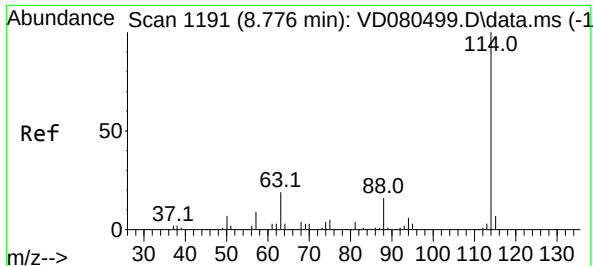
Tgt Ion:168 Resp: 361670
Ion Ratio Lower Upper
168 100
99 54.5 44.1 66.1



#33
1,2-Dichloroethane-d4
Concen: 45.098 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. -0.000 min
Lab File: VD080515.D
Acq: 05 Sep 2025 09:54

Tgt Ion: 65 Resp: 184017
Ion Ratio Lower Upper
65 100
67 53.3 0.0 113.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080515.D

Acq: 05 Sep 2025 09:54

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBL01

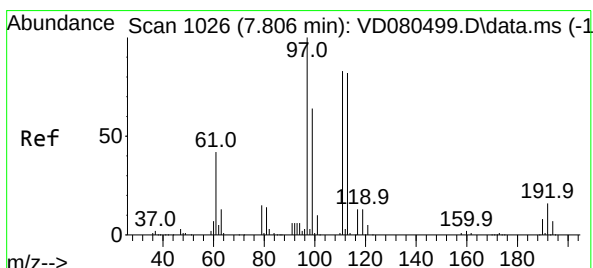
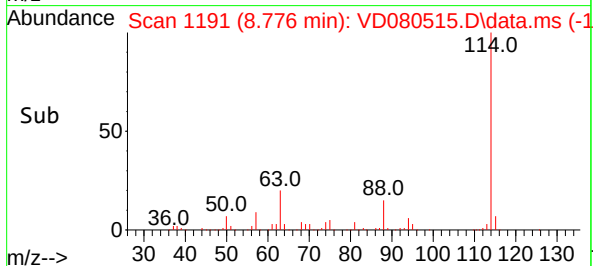
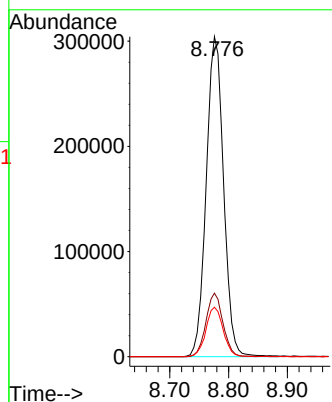
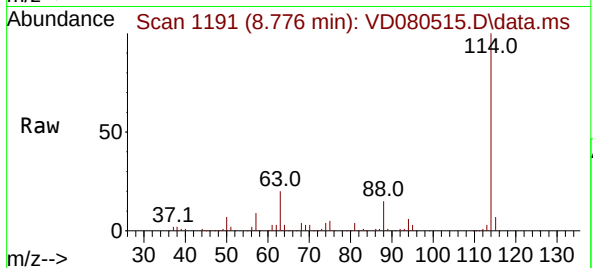
Tgt Ion:114 Resp: 625107

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.418 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. -0.001 min

Lab File: VD080515.D

Acq: 05 Sep 2025 09:54

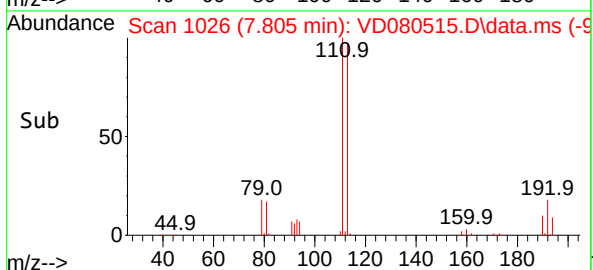
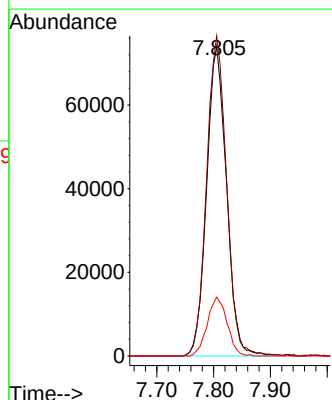
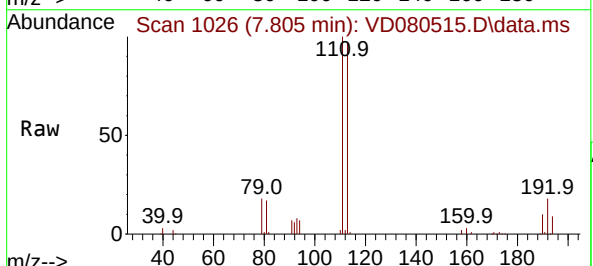
Tgt Ion:113 Resp: 179913

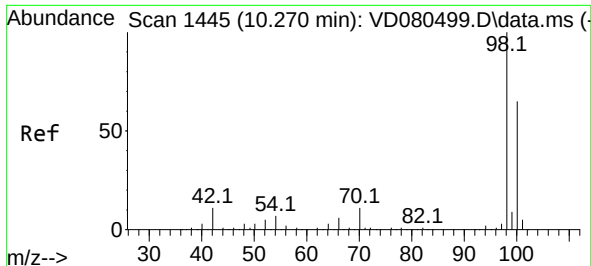
Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 18.9 14.9 22.3

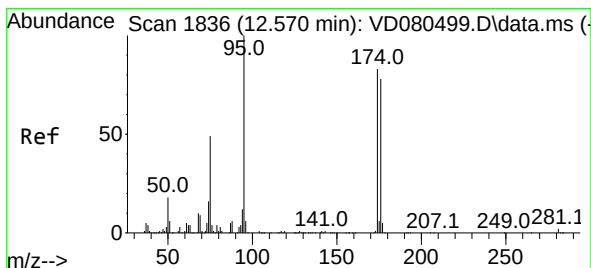
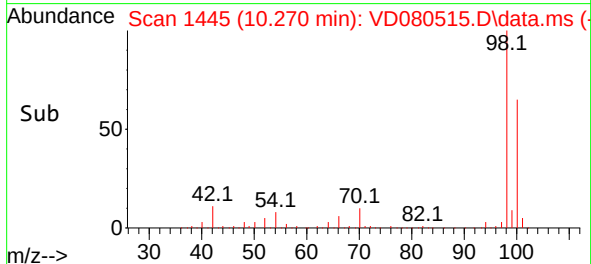
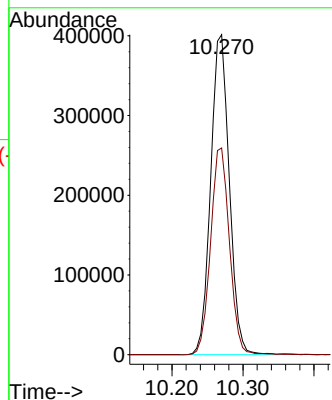
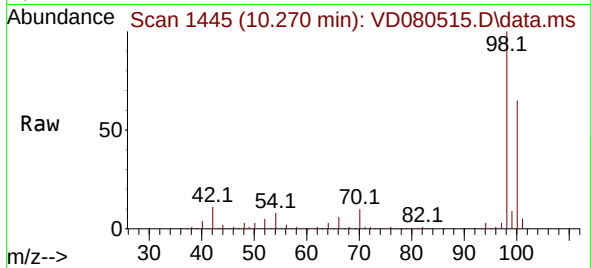




#50
Toluene-d8
Concen: 48.549 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VD080515.D
Acq: 05 Sep 2025 09:54

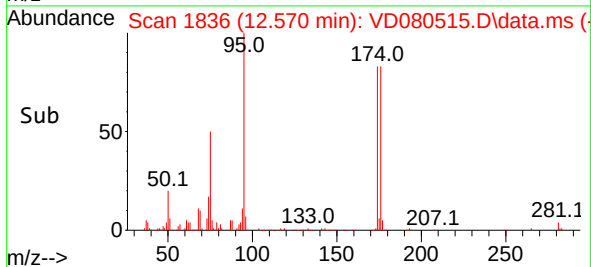
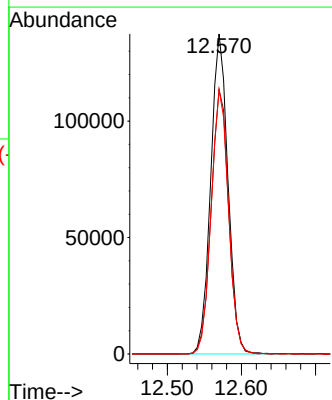
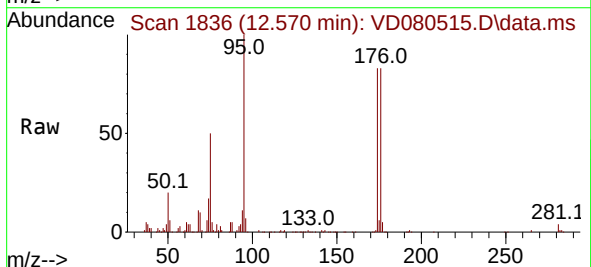
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBL01

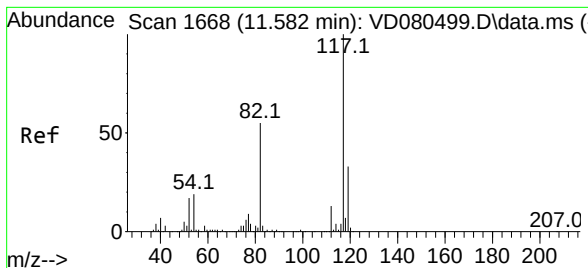
Tgt Ion: 98 Resp: 730749
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 46.781 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080515.D
Acq: 05 Sep 2025 09:54

Tgt Ion: 95 Resp: 222177
Ion Ratio Lower Upper
95 100
174 83.4 0.0 162.6
176 82.6 0.0 156.0

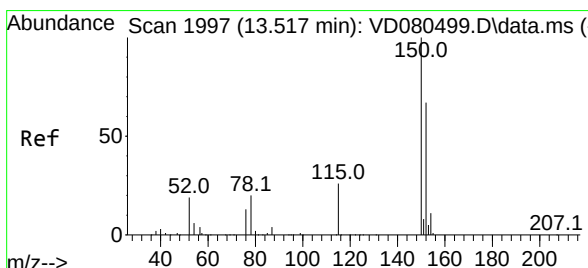
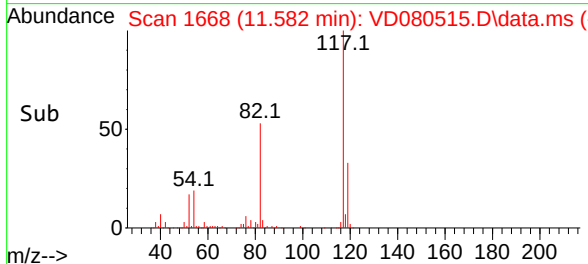
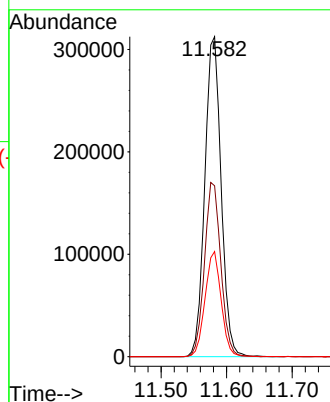
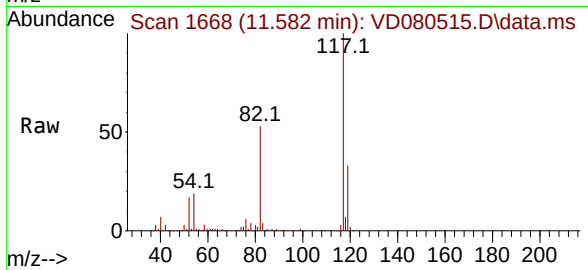




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD080515.D
Acq: 05 Sep 2025 09:54

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBL01

Tgt Ion:117 Resp: 541756
Ion Ratio Lower Upper
117 100
82 53.4 43.8 65.6
119 32.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080515.D
Acq: 05 Sep 2025 09:54

Tgt Ion:152 Resp: 254170
Ion Ratio Lower Upper
152 100
115 58.1 29.0 87.0
150 158.9 0.0 345.0

