

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080325.D
 Acq On : 14 May 2025 16:32
 Operator : RP/MD
 Sample : Q2022-04
 Misc : 5.09G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: May 15 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	64062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	169720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	177657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	80699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	63571	76.737	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.480%
35) Dibromofluoromethane	7.806	113	72906	64.092	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	128.180%
50) Toluene-d8	10.270	98	239629	53.465	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.920%
62) 4-Bromofluorobenzene	12.570	95	69580	48.367	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.740%

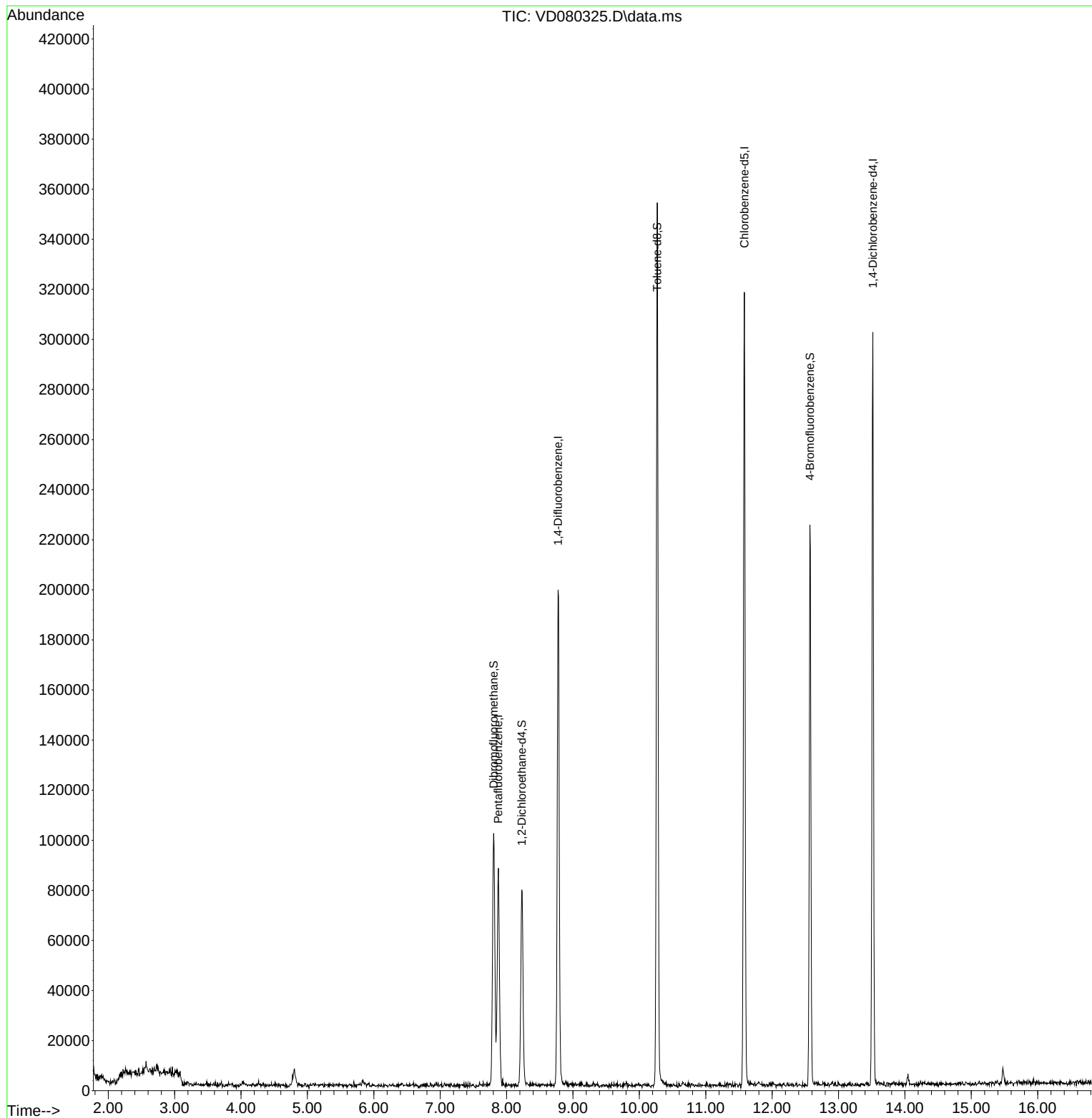
Target Compounds	Qvalue

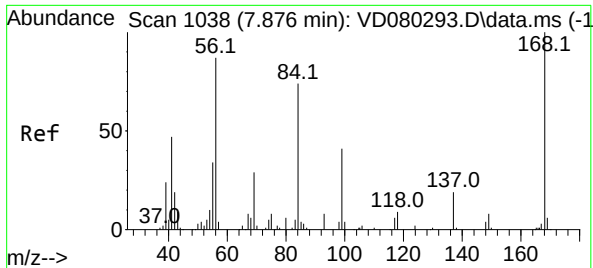
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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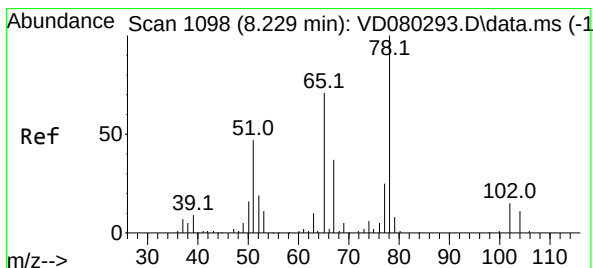
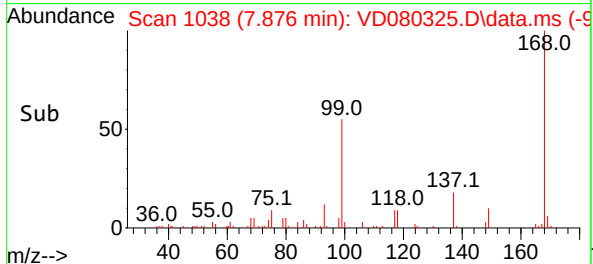
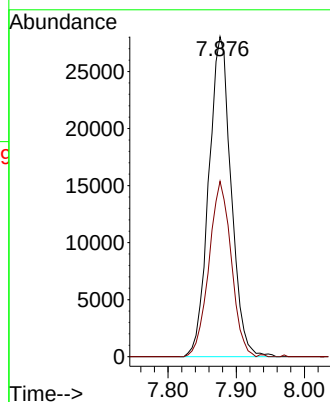
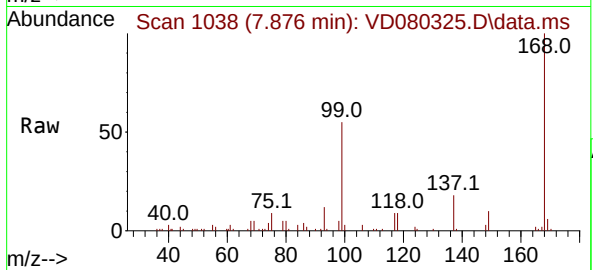




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

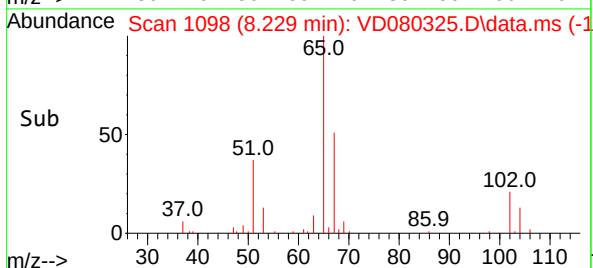
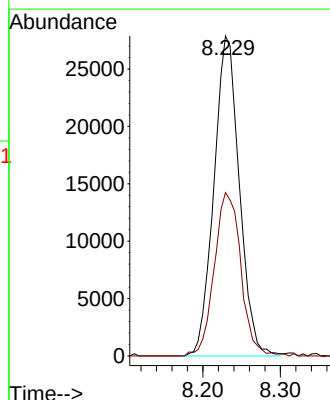
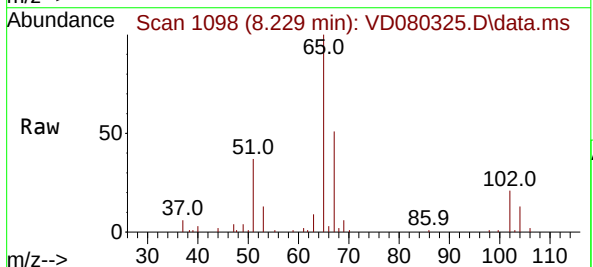
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

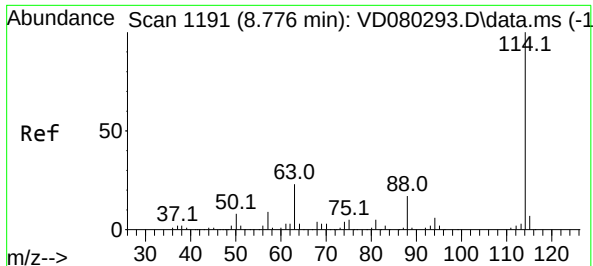
Tgt Ion:168 Resp: 64062
Ion Ratio Lower Upper
168 100
99 54.8 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 76.737 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Tgt Ion: 65 Resp: 63571
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080325.D

Acq: 14 May 2025 16:32

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

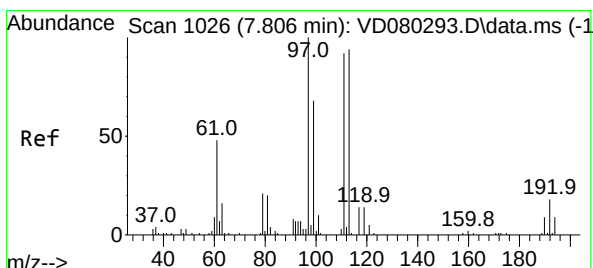
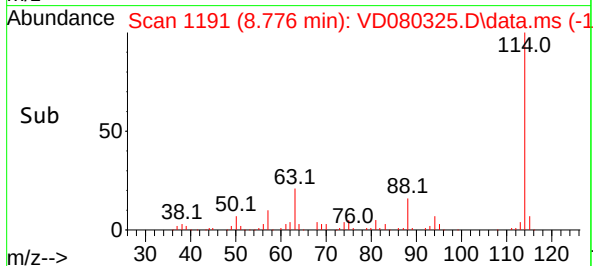
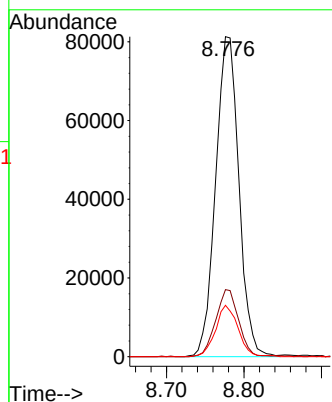
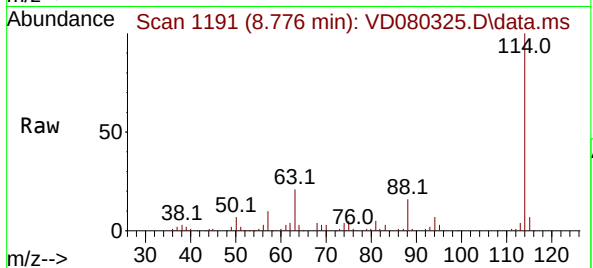
Tgt Ion:114 Resp: 169720

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 64.092 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080325.D

Acq: 14 May 2025 16:32

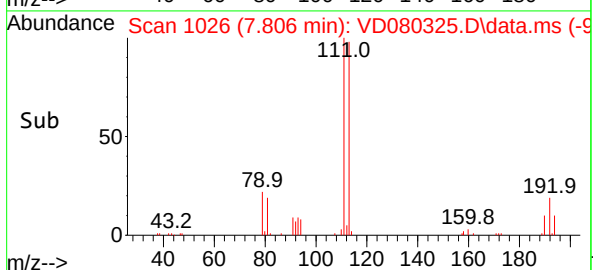
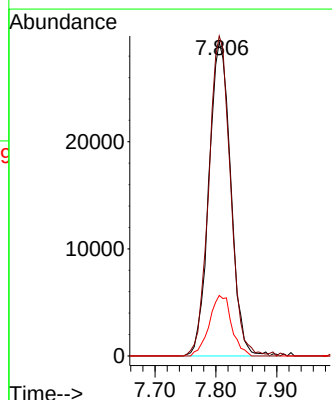
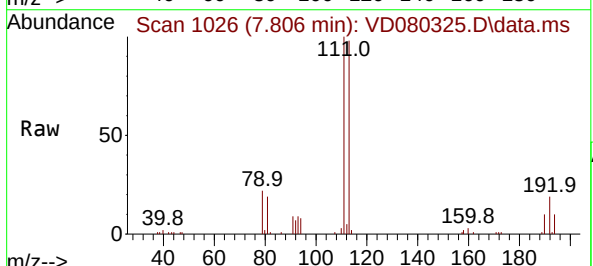
Tgt Ion:113 Resp: 72906

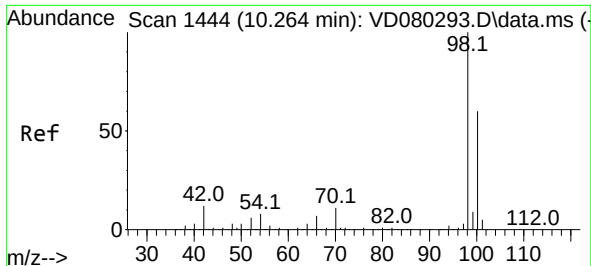
Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

192 19.7 16.6 25.0

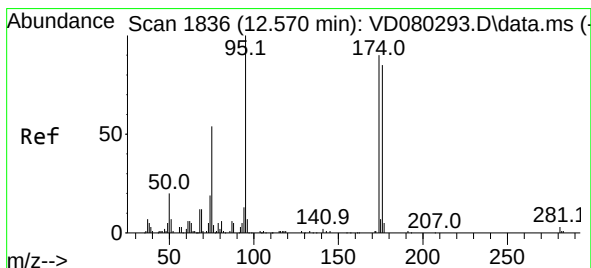
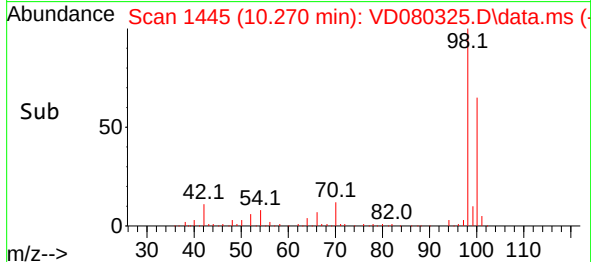
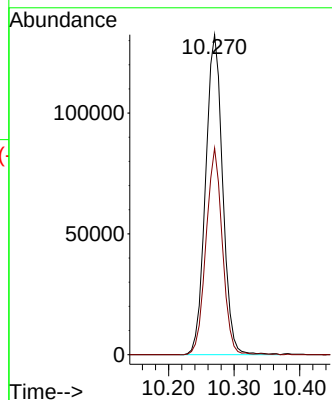
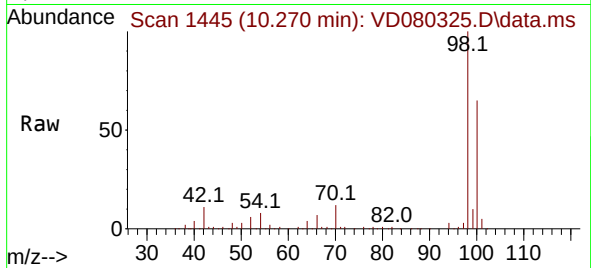




#50
Toluene-d8
Concen: 53.465 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

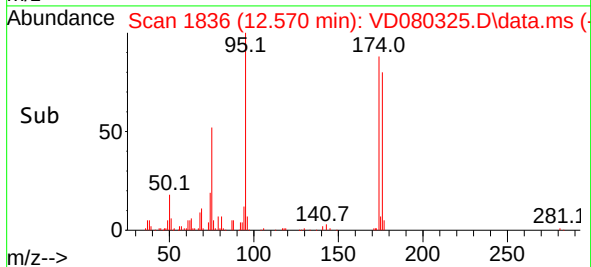
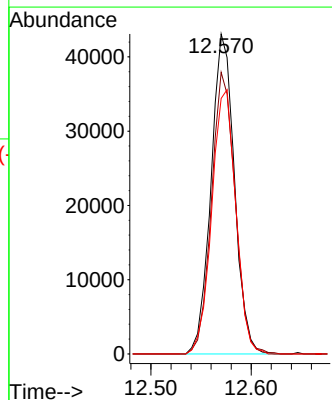
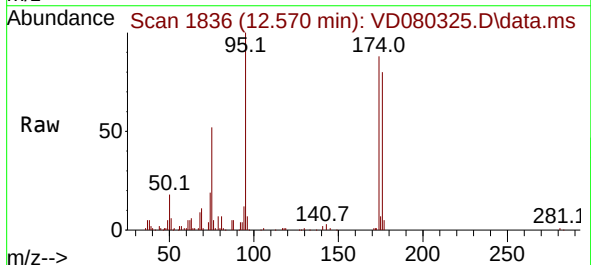
Instrument :
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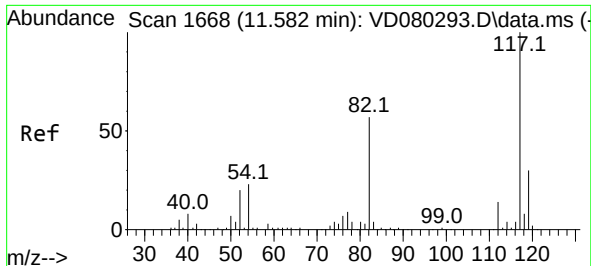
Tgt Ion: 98 Resp: 239629
Ion Ratio Lower Upper
98 100
100 61.6 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 48.367 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Tgt Ion: 95 Resp: 69580
Ion Ratio Lower Upper
95 100
174 89.0 0.0 173.4
176 85.1 0.0 166.6

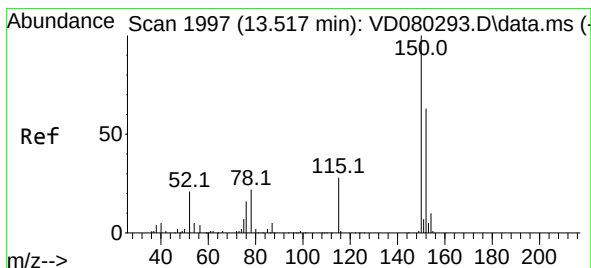
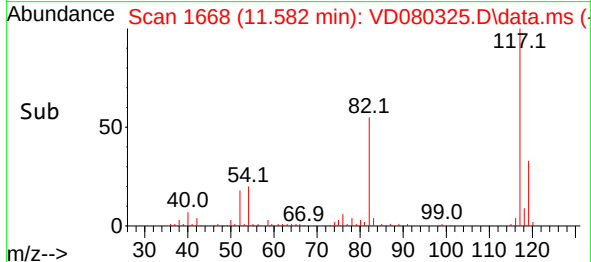
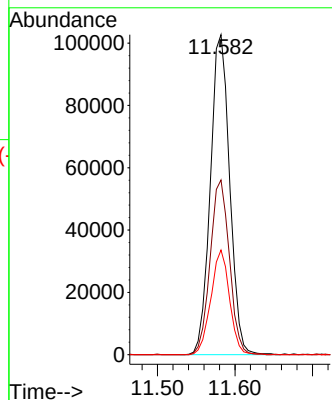
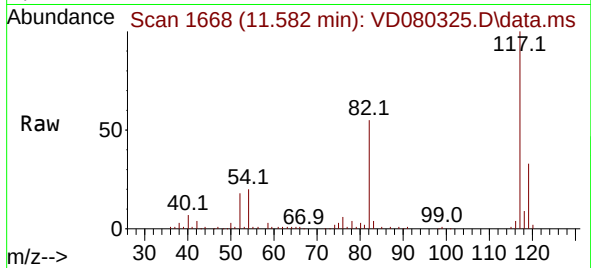




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

Tgt Ion:117 Resp: 177657
Ion Ratio Lower Upper
117 100
82 54.6 45.8 68.6
119 32.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080325.D
Acq: 14 May 2025 16:32

Tgt Ion:152 Resp: 80699
Ion Ratio Lower Upper
152 100
115 53.9 28.9 86.8
150 155.0 0.0 354.8

