

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080304.D
 Acq On : 13 May 2025 16:24
 Operator : RP/MD
 Sample : Q1986-03
 Misc : 4.81G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-9

Quant Time: May 13 19:05:32 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	86165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	127695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	72081	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	60819	54.582	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.160%
35) Dibromofluoromethane	7.800	113	63444	53.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.860%
50) Toluene-d8	10.270	98	182757	39.426	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.860%
62) 4-Bromofluorobenzene	12.570	95	59819	40.206	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.420%

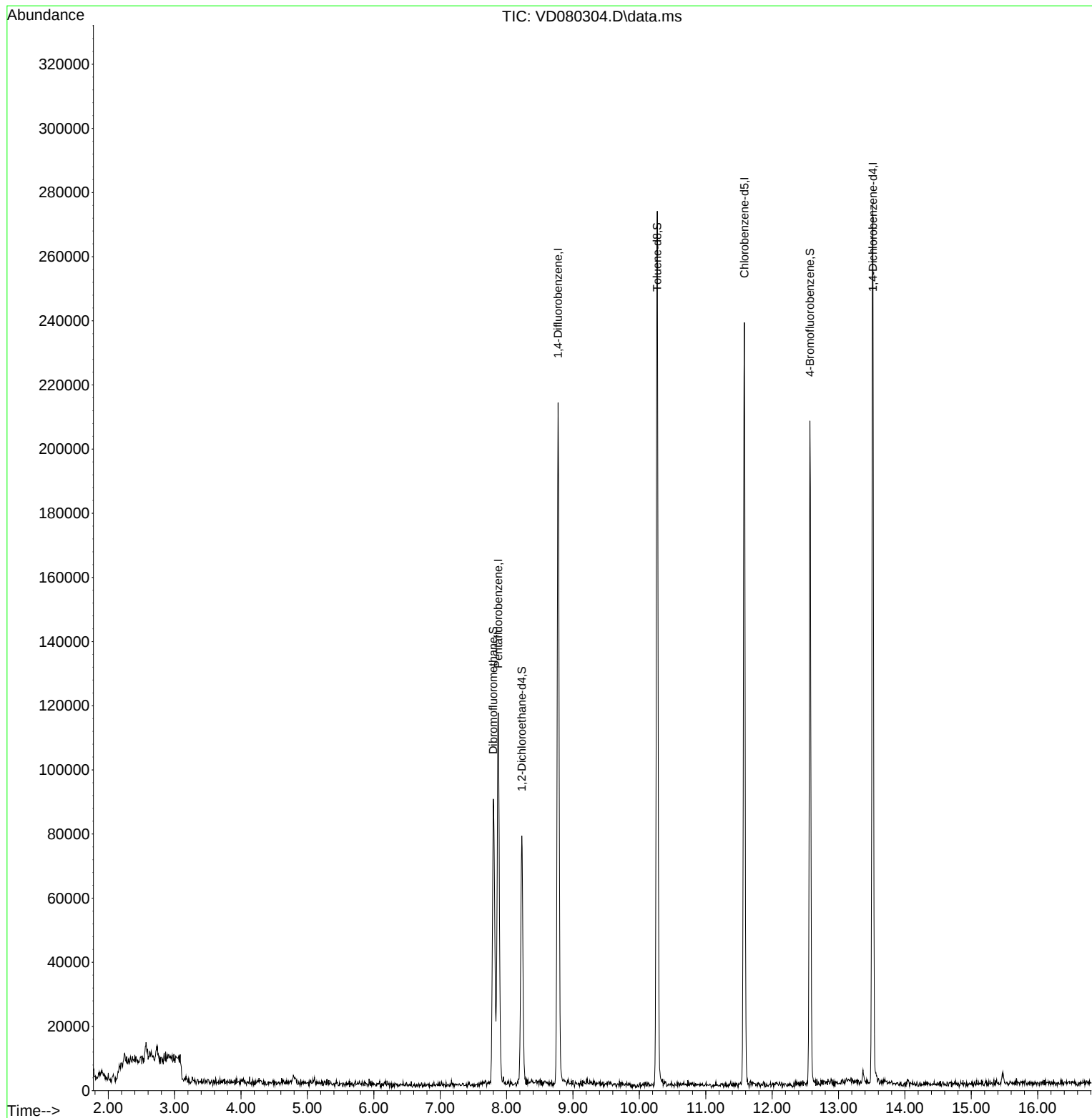
Target Compounds	Qvalue

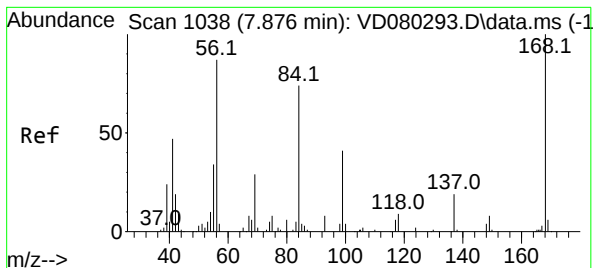
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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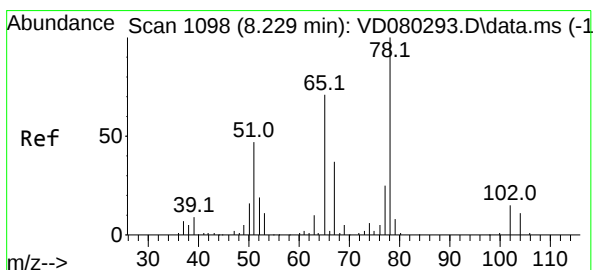
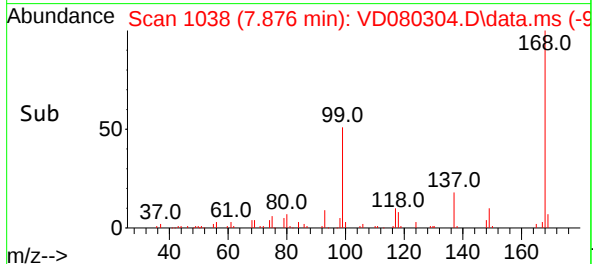
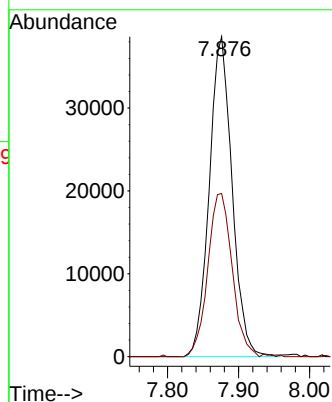
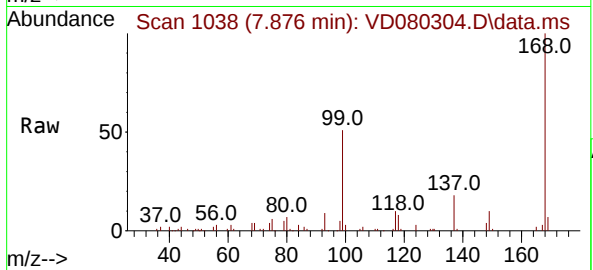




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080304.D
Acq: 13 May 2025 16:24

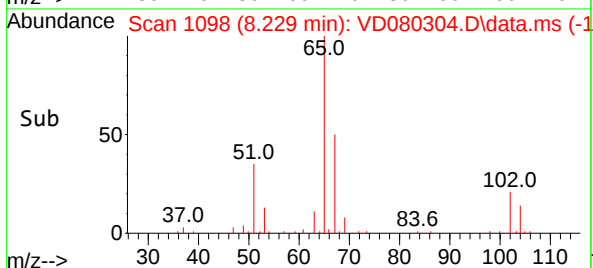
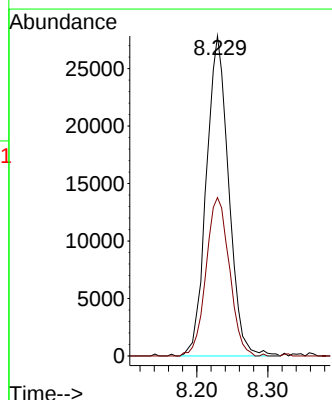
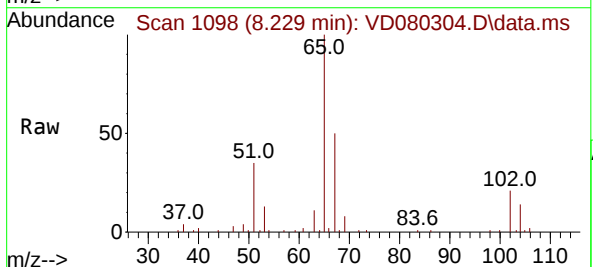
Instrument :
MSVOA_D
ClientSampleId :
COMP-9

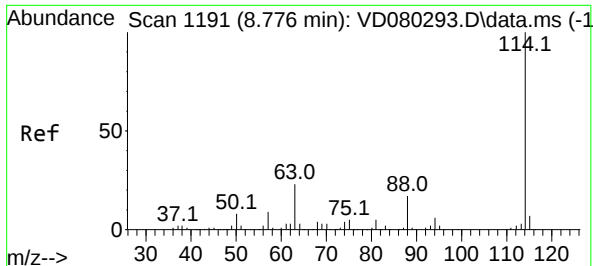
Tgt Ion:168 Resp: 86165
Ion Ratio Lower Upper
168 100
99 51.0 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 54.582 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080304.D
Acq: 13 May 2025 16:24

Tgt Ion: 65 Resp: 60819
Ion Ratio Lower Upper
65 100
67 51.6 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: VD080304.D

Acq: 13 May 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

COMP-9

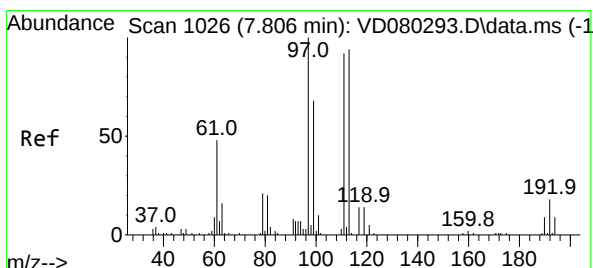
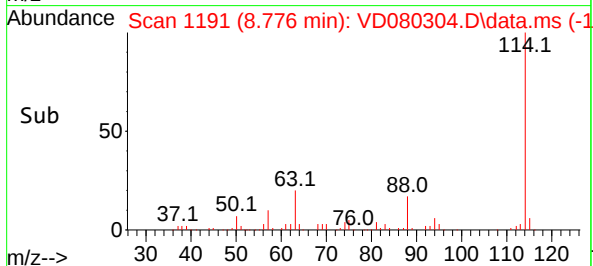
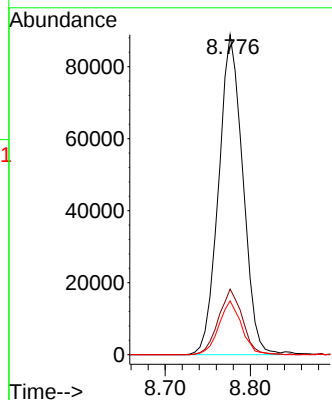
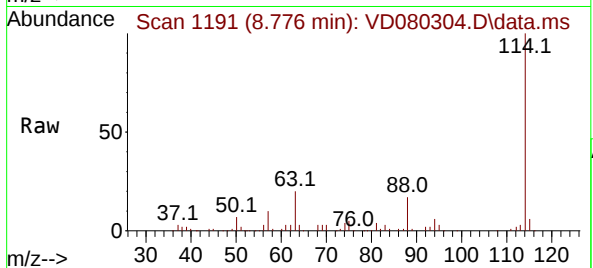
Tgt Ion:114 Resp: 175529

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.8

88 16.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.928 ug/l

RT: 7.800 min Scan# 1025

Delta R.T. -0.005 min

Lab File: VD080304.D

Acq: 13 May 2025 16:24

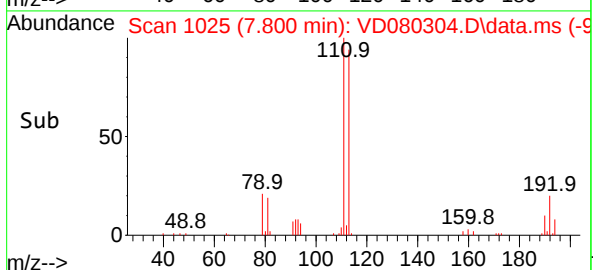
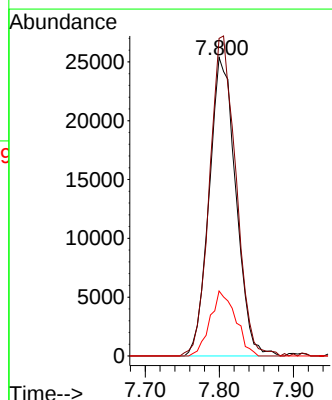
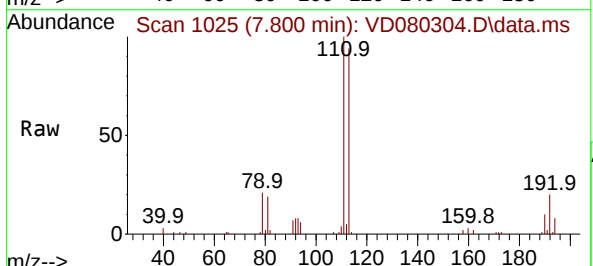
Tgt Ion:113 Resp: 63444

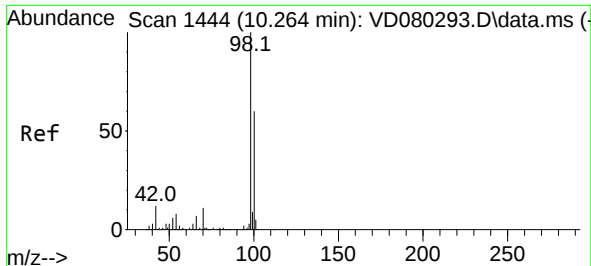
Ion Ratio Lower Upper

113 100

111 105.9 82.5 123.7

192 20.8 16.6 25.0

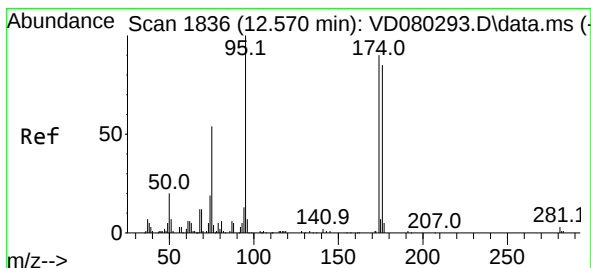
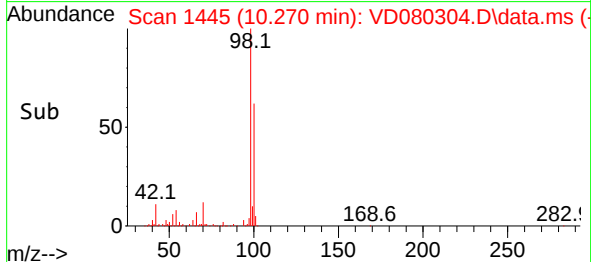
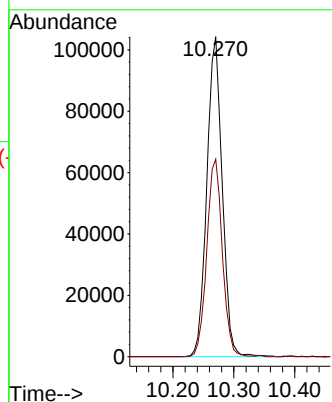
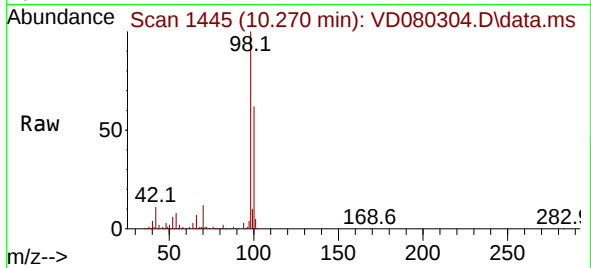




#50
Toluene-d8
Concen: 39.426 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080304.D
Acq: 13 May 2025 16:24

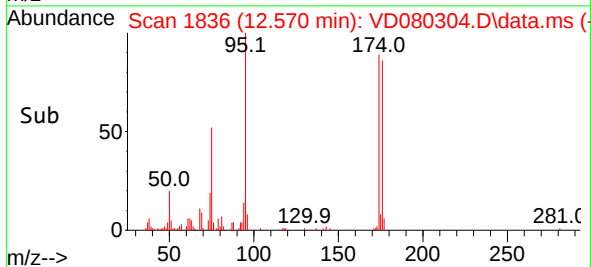
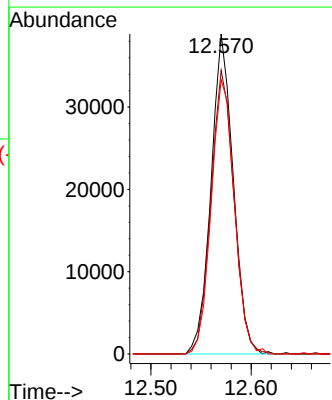
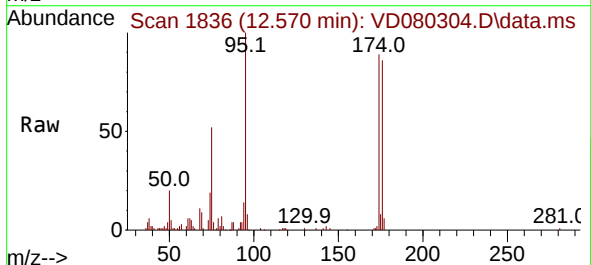
Instrument :
MSVOA_D
ClientSampleId :
COMP-9

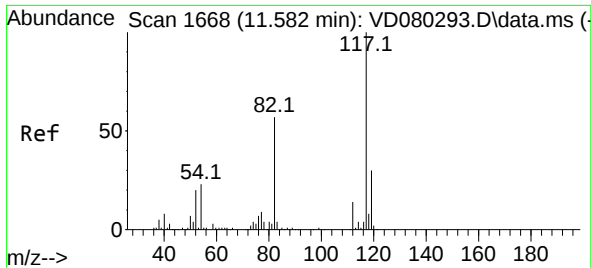
Tgt Ion: 98 Resp: 182757
Ion Ratio Lower Upper
98 100
100 62.4 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 40.206 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080304.D
Acq: 13 May 2025 16:24

Tgt Ion: 95 Resp: 59819
Ion Ratio Lower Upper
95 100
174 92.2 0.0 173.4
176 89.4 0.0 166.6

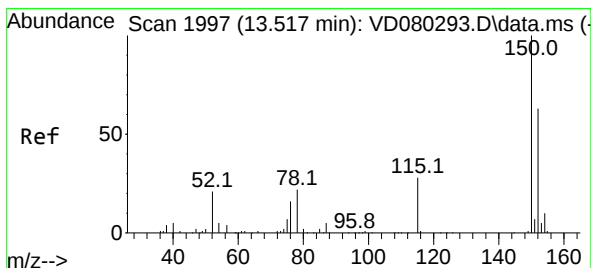
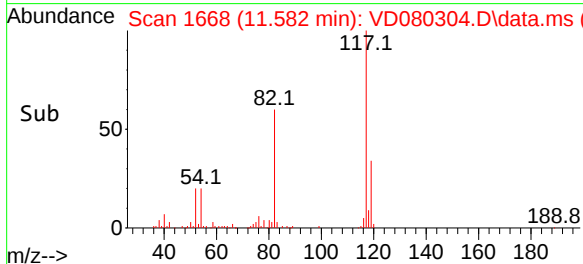
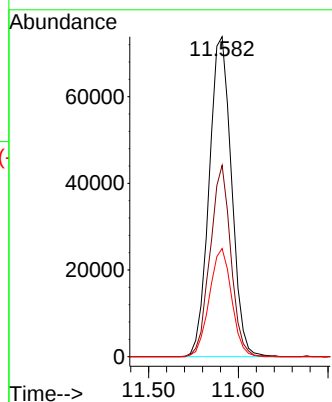
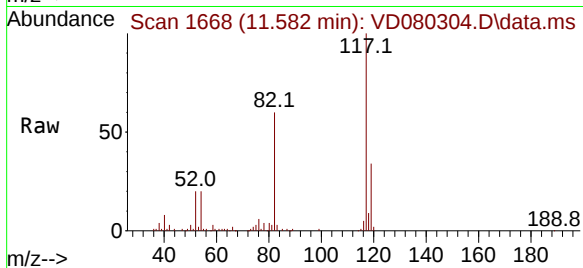




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080304.D
Acq: 13 May 2025 16:24

Instrument :
MSVOA_D
ClientSampleId :
COMP-9

Tgt Ion:117 Resp: 127695
Ion Ratio Lower Upper
117 100
82 59.8 45.8 68.6
119 33.8 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: VD080304.D
Acq: 13 May 2025 16:24

Tgt Ion:152 Resp: 72081
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.8
150 161.7 0.0 354.8

