

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080334.D
 Acq On : 14 May 2025 20:37
 Operator : RP/MD
 Sample : Q2043-01
 Misc : 3.91G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 281

Quant Time: May 15 03:40:24 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	17190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	39655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	38874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	14821	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	20660	92.939	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	185.880%#
35) Dibromofluoromethane	7.800	113	20134	75.754	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	151.500%#
50) Toluene-d8	10.264	98	52903	50.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.040%
62) 4-Bromofluorobenzene	12.570	95	14511	43.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.340%

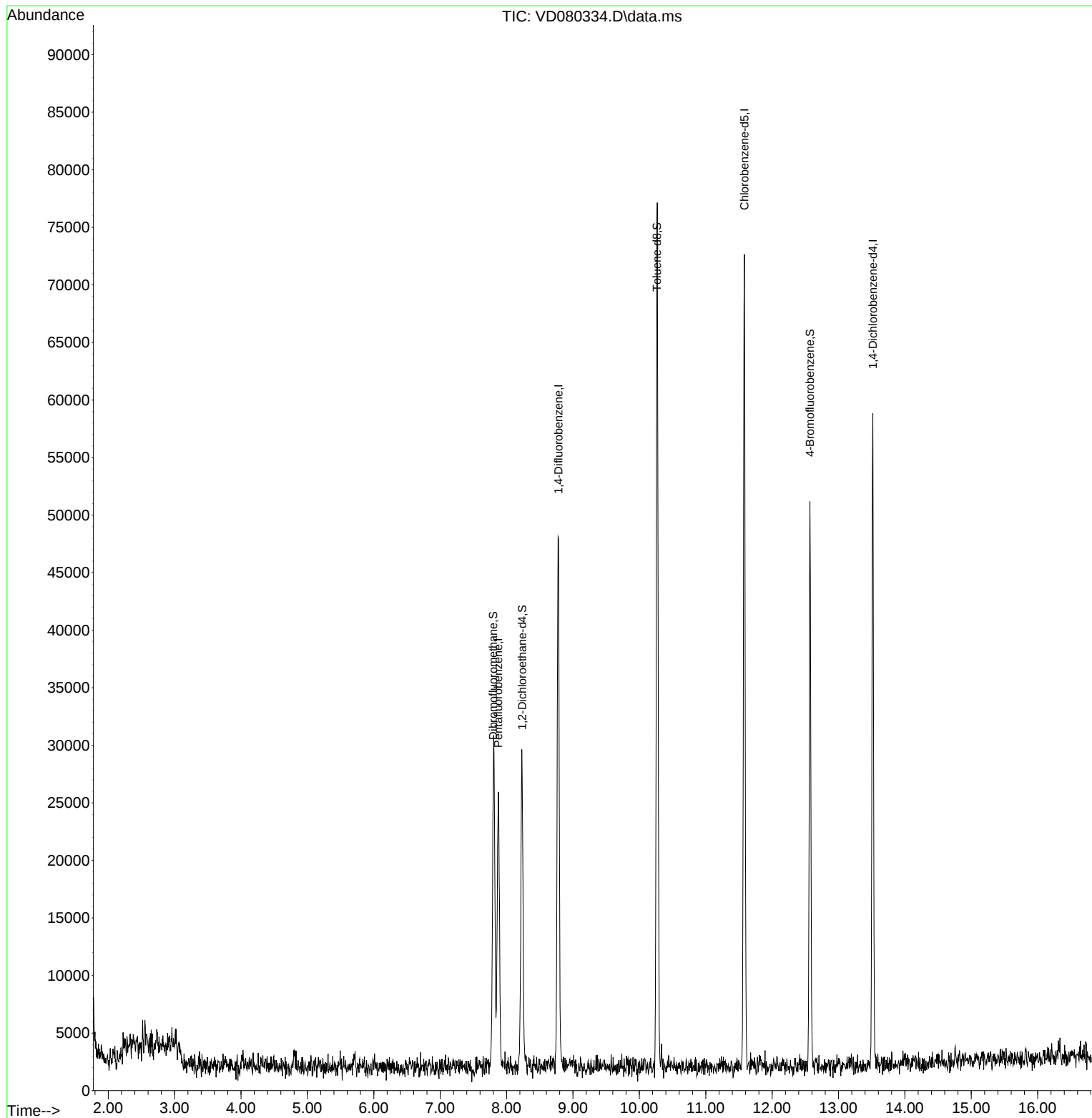
Target Compounds	Qvalue

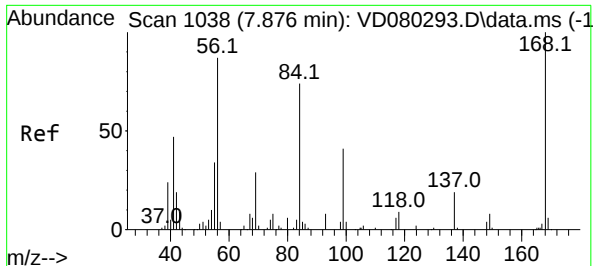
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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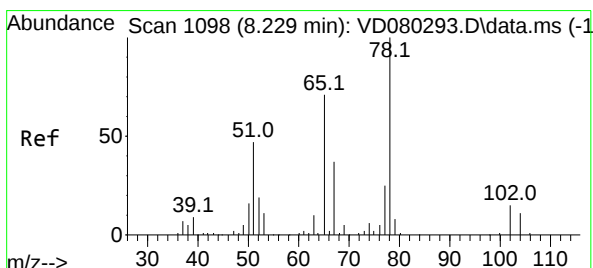
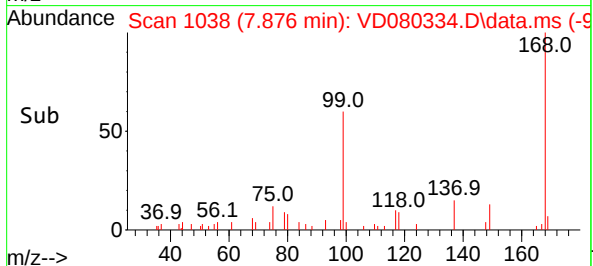
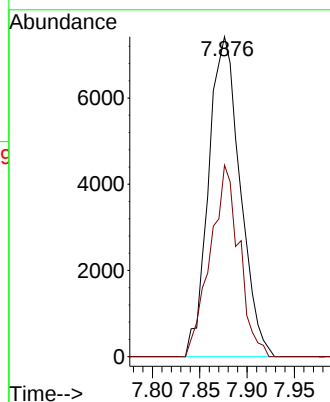
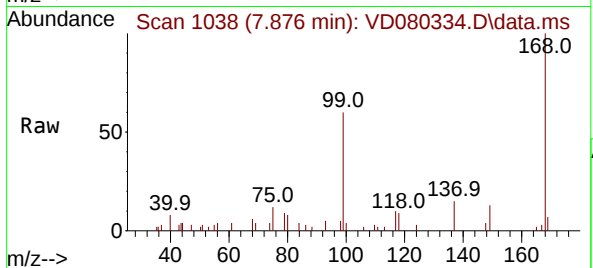




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

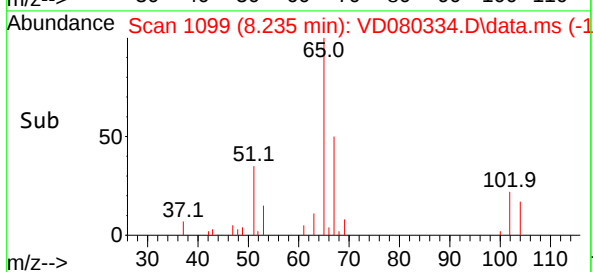
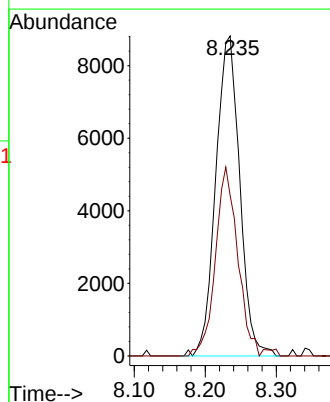
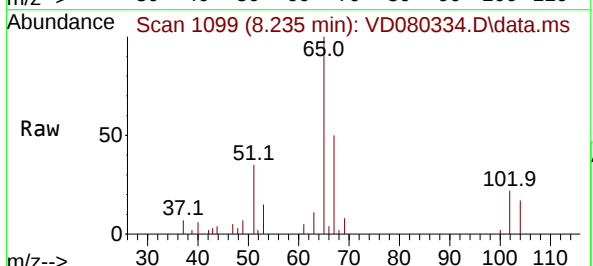
Instrument :
MSVOA_D
ClientSampleId :
281

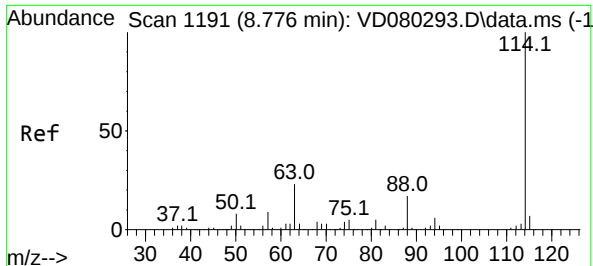
Tgt Ion:168 Resp: 17190
Ion Ratio Lower Upper
168 100
99 59.9 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 92.939 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion: 65 Resp: 20660
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080334.D

Acq: 14 May 2025 20:37

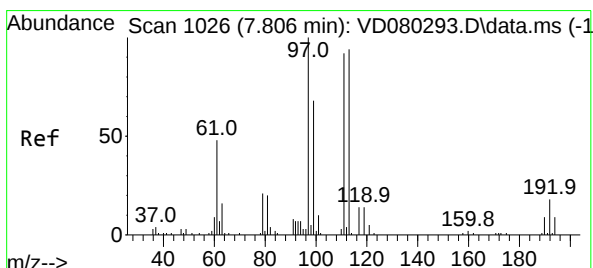
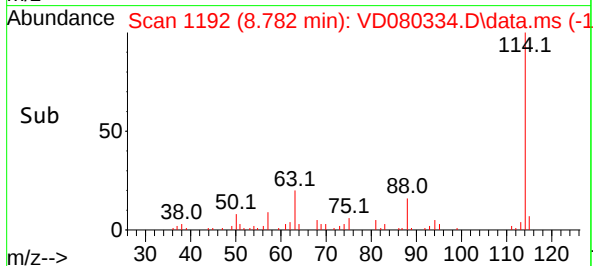
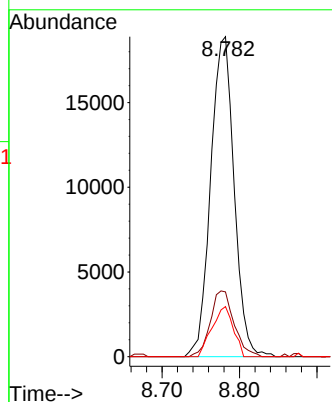
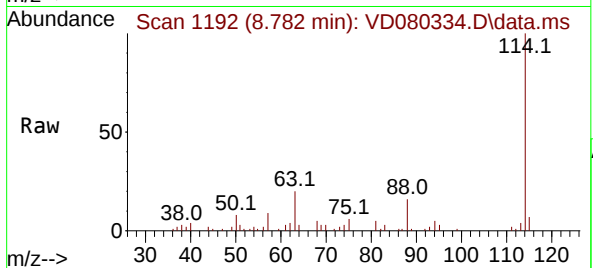
Instrument :

MSVOA_D

ClientSampleId :

281

Tgt Ion:114	Resp:	39655
Ion Ratio	Lower	Upper
114	100	
63	20.3	0.0 38.8
88	15.7	0.0 30.6



#35

Dibromofluoromethane

Concen: 75.754 ug/l

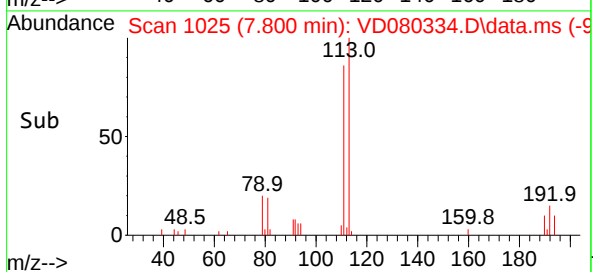
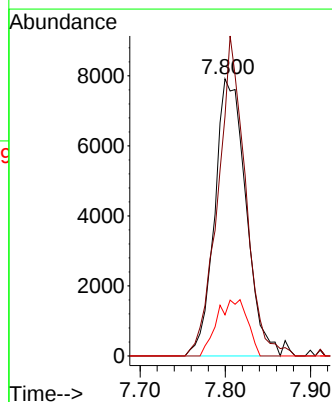
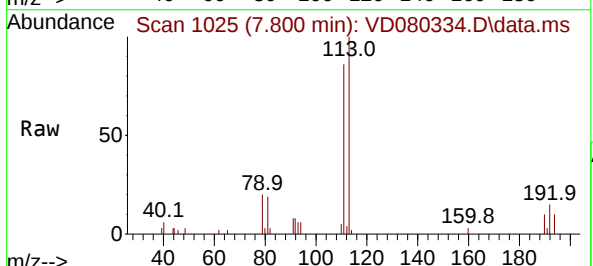
RT: 7.800 min Scan# 1025

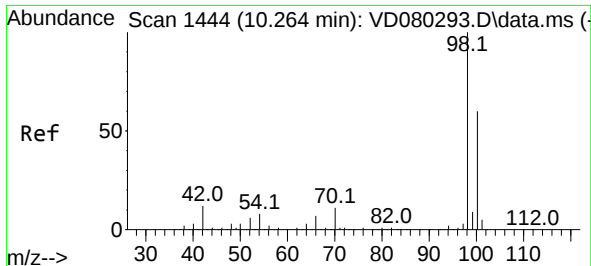
Delta R.T. -0.005 min

Lab File: VD080334.D

Acq: 14 May 2025 20:37

Tgt Ion:113	Resp:	20134
Ion Ratio	Lower	Upper
113	100	
111	101.8	82.5 123.7
192	19.9	16.6 25.0

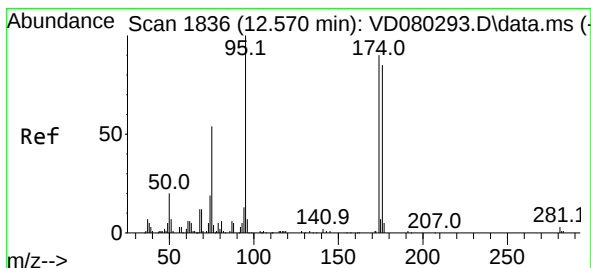
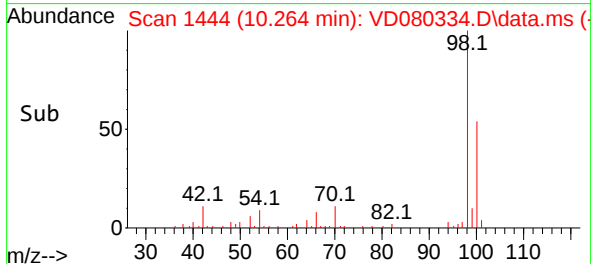
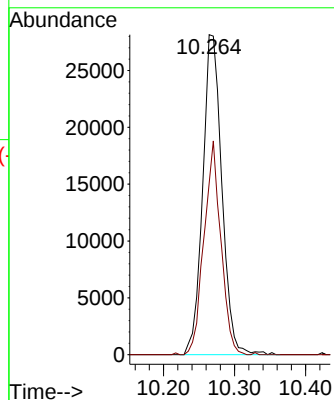
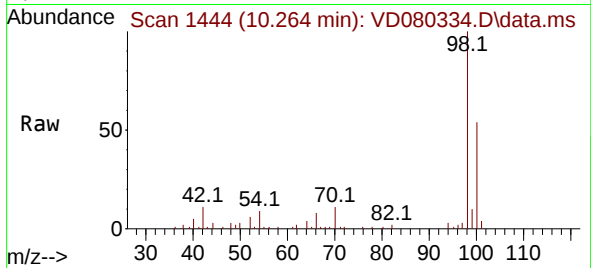




#50
Toluene-d8
Concen: 50.518 ug/l
RT: 10.264 min Scan# 1444
Delta R.T. -0.005 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

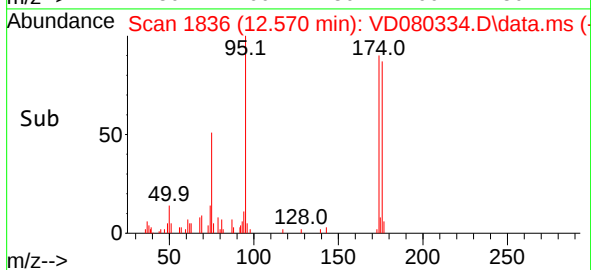
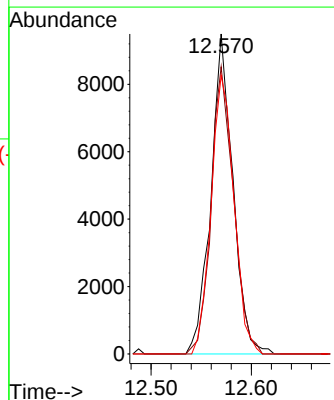
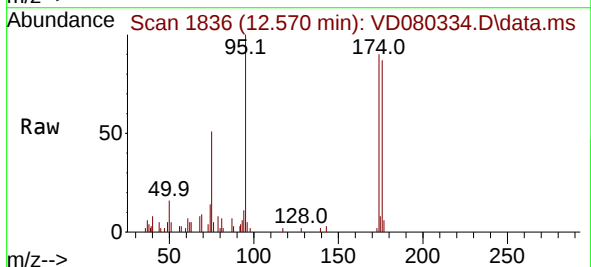
Instrument :
MSVOA_D
ClientSampleId :
281

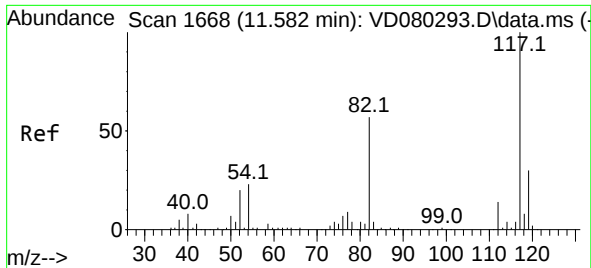
Tgt Ion: 98 Resp: 52903
Ion Ratio Lower Upper
98 100
100 58.8 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 43.172 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion: 95 Resp: 14511
Ion Ratio Lower Upper
95 100
174 91.0 0.0 173.4
176 90.3 0.0 166.6

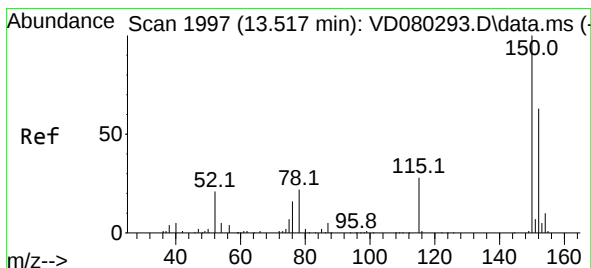
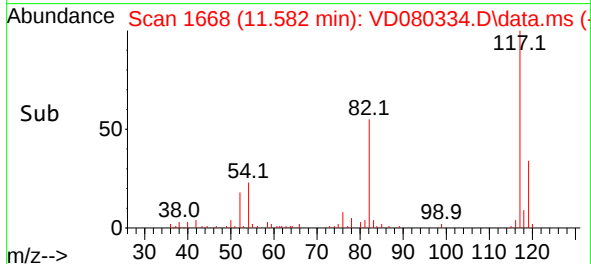
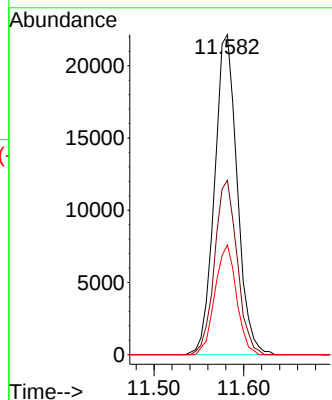
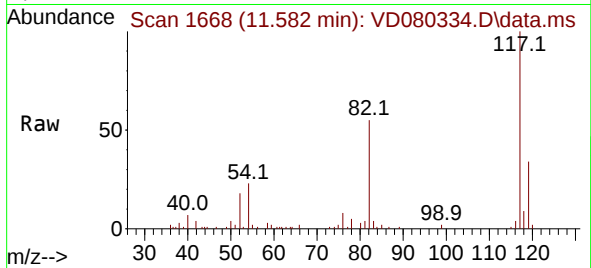




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080334.D
Acq: 14 May 2025 20:37

Instrument :
MSVOA_D
ClientSampleId :
281

Tgt Ion:117	Resp:	38874
Ion	Ratio	Lower Upper
117	100	
82	54.5	45.8 68.6
119	34.3	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: VD080334.D
Acq: 14 May 2025 20:37

Tgt Ion:152	Resp:	14821
Ion	Ratio	Lower Upper
152	100	
115	58.2	28.9 86.8
150	158.2	0.0 354.8

