

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080346.D
 Acq On : 15 May 2025 14:13
 Operator : RP/MD
 Sample : Q2043-01RE
 Misc : 4.87G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 281RE

Quant Time: May 16 02:57:02 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	7.882	168	30538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	60110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	56721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	21525	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	27987	70.870	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.740%
35) Dibromofluoromethane	7.805	113	28660	71.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	142.280%
50) Toluene-d8	10.270	98	76450	48.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.320%
62) 4-Bromofluorobenzene	12.570	95	20410	40.059	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.120%

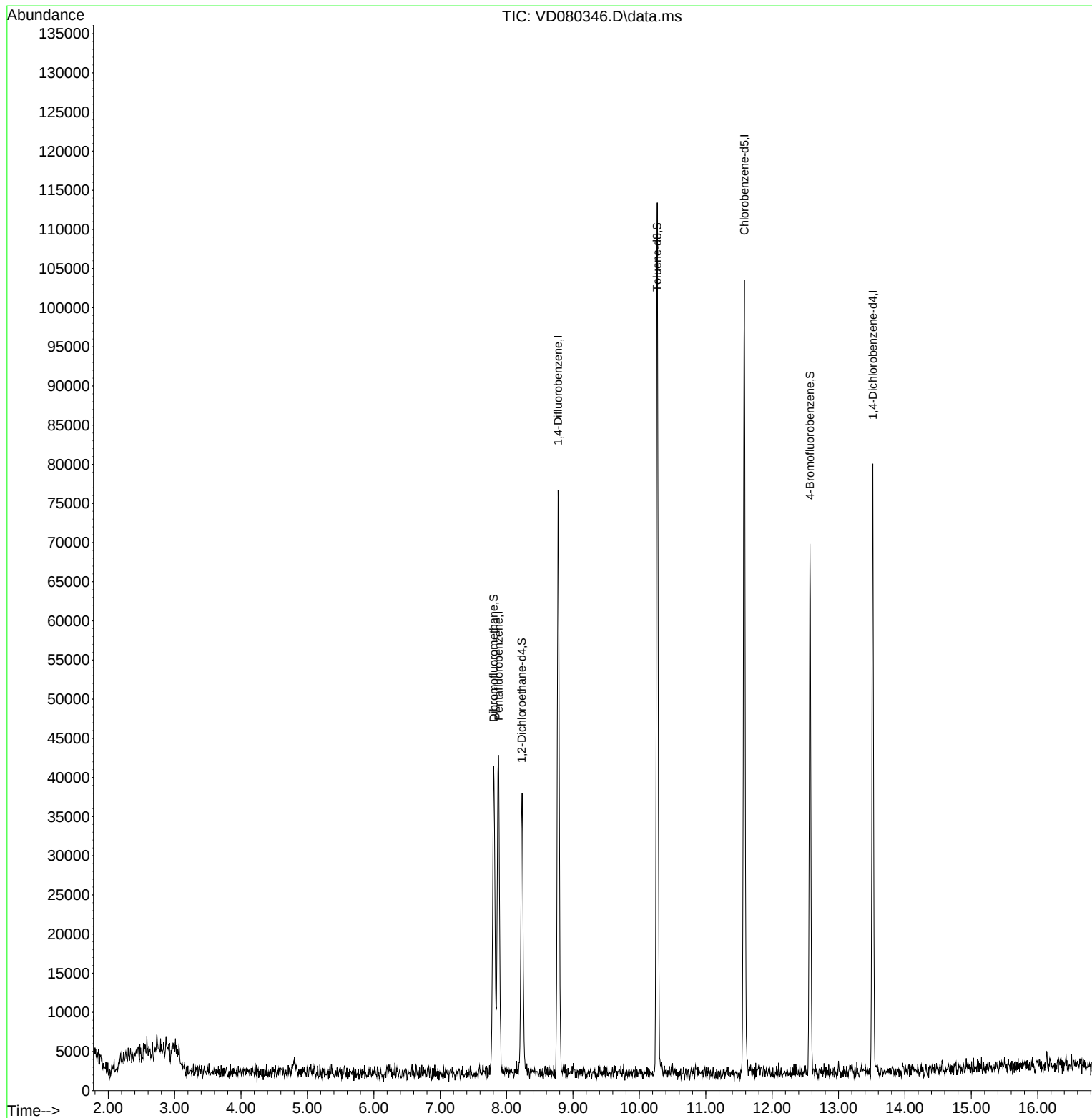
Target Compounds	Qvalue

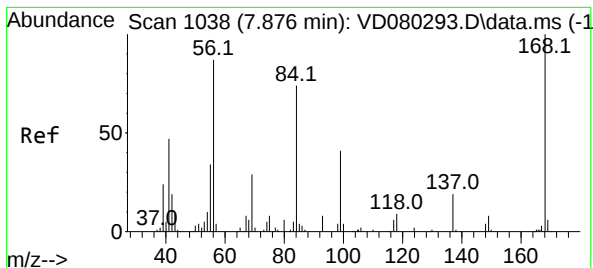
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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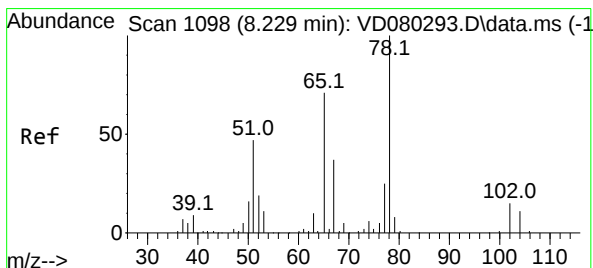
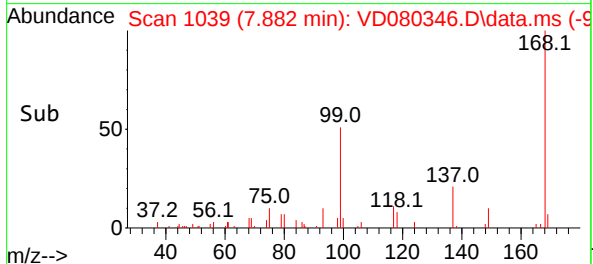
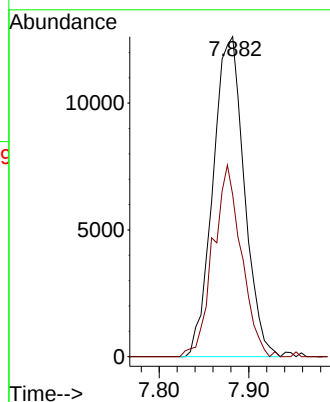
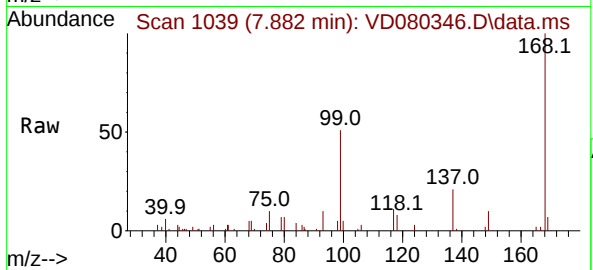




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. 0.007 min
Lab File: VD080346.D
Acq: 15 May 2025 14:13

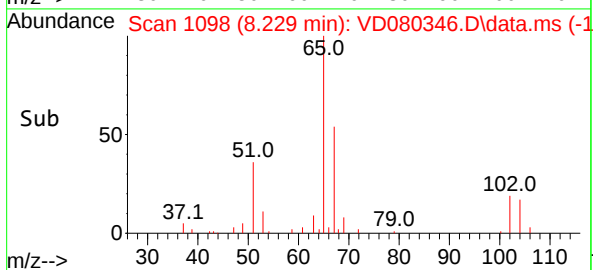
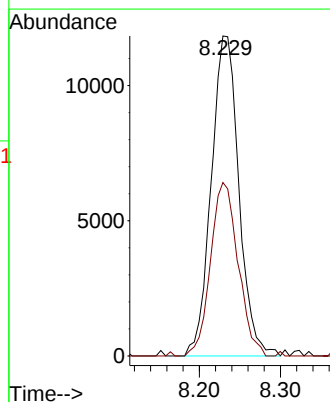
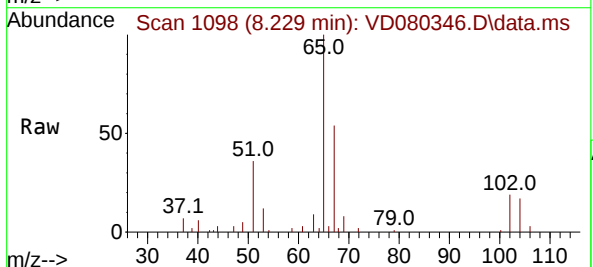
Instrument :
MSVOA_D
ClientSampleId :
281RE

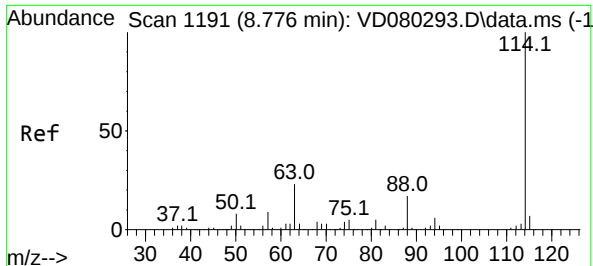
Tgt Ion:168 Resp: 30538
Ion Ratio Lower Upper
168 100
99 50.6 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 70.870 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080346.D
Acq: 15 May 2025 14:13

Tgt Ion: 65 Resp: 27987
Ion Ratio Lower Upper
65 100
67 54.0 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: VD080346.D

Acq: 15 May 2025 14:13

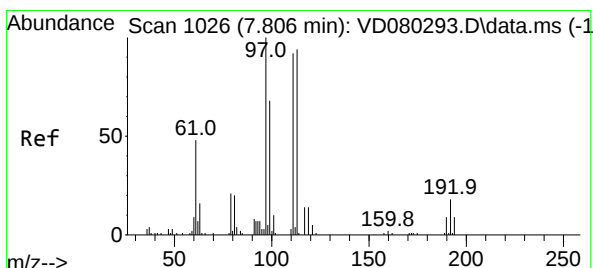
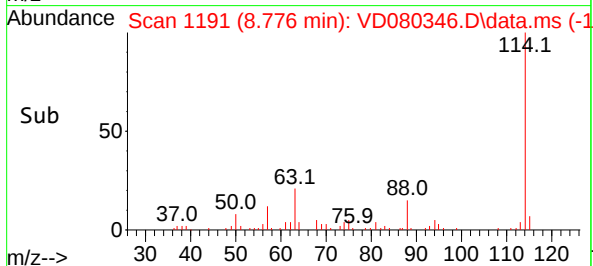
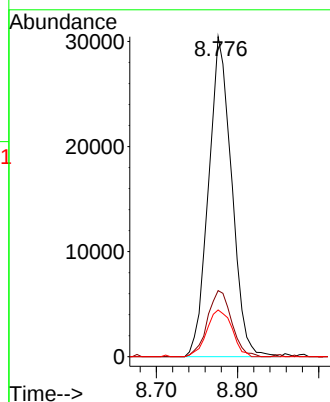
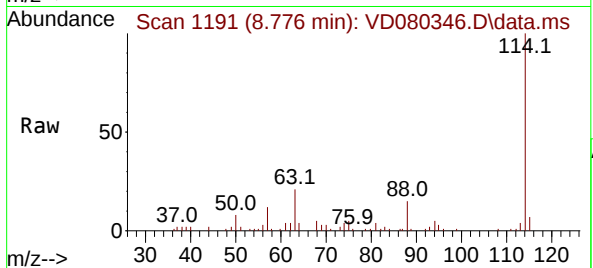
Instrument :

MSVOA_D

ClientSampleId :

281RE

Tgt Ion:	114	Resp:	60110
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	38.8
88	14.6	0.0	30.6



#35

Dibromofluoromethane

Concen: 71.138 ug/l

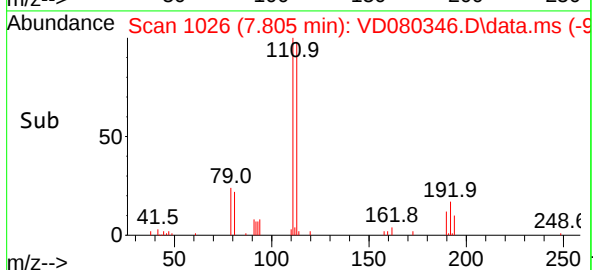
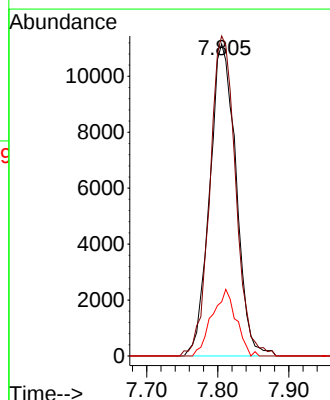
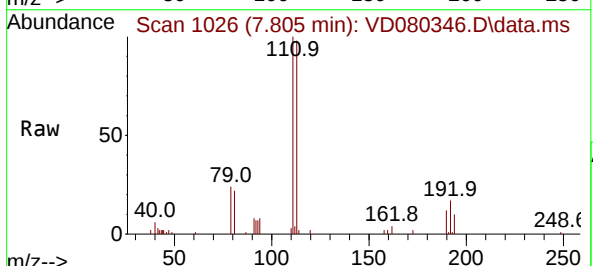
RT: 7.805 min Scan# 1026

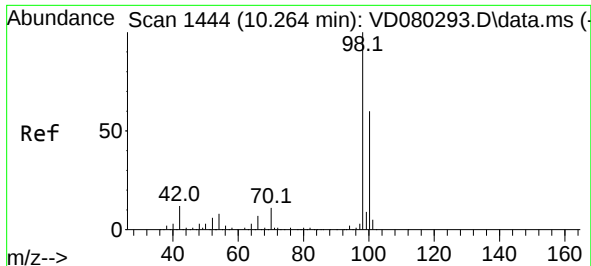
Delta R.T. 0.000 min

Lab File: VD080346.D

Acq: 15 May 2025 14:13

Tgt Ion:	113	Resp:	28660
Ion Ratio	Lower	Upper	
113	100		
111	100.3	82.5	123.7
192	19.6	16.6	25.0

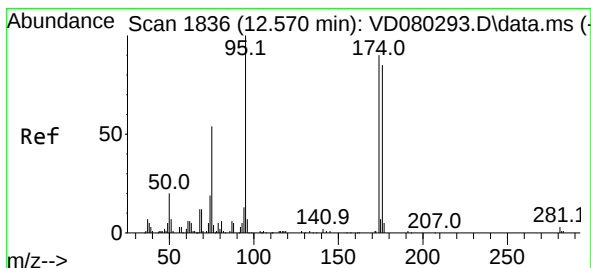
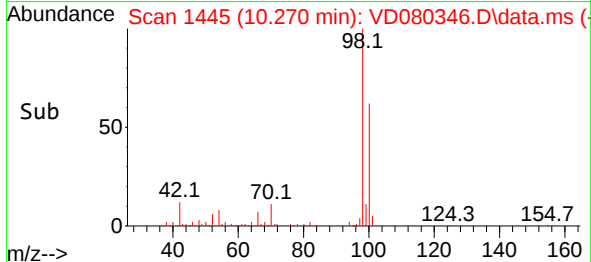
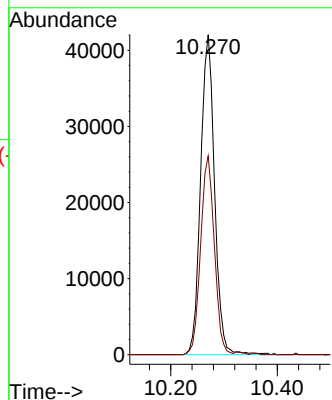
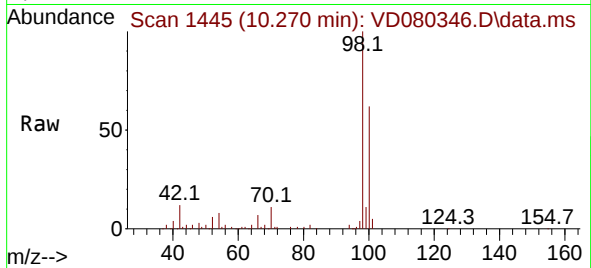




#50
Toluene-d8
Concen: 48.161 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080346.D
Acq: 15 May 2025 14:13

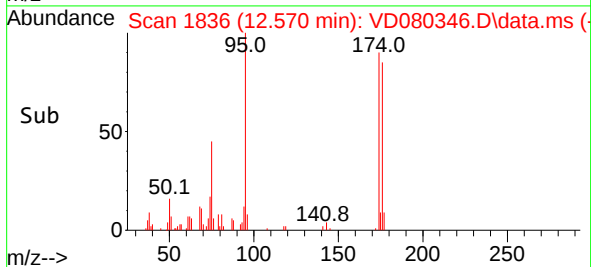
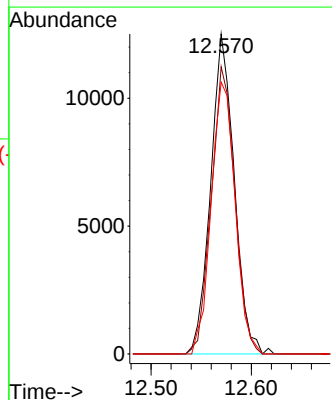
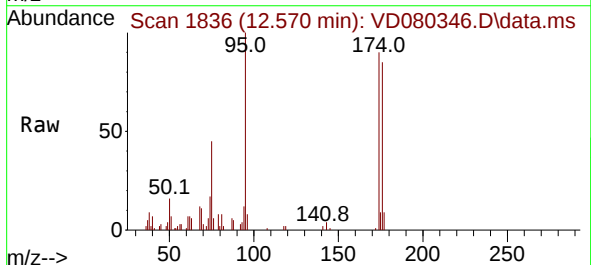
Instrument :
MSVOA_D
ClientSampleId :
281RE

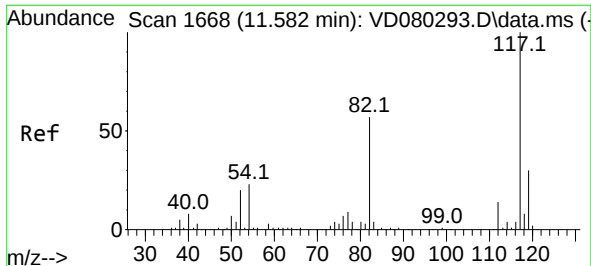
Tgt Ion: 98 Resp: 76450
Ion Ratio Lower Upper
98 100
100 61.0 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 40.059 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080346.D
Acq: 15 May 2025 14:13

Tgt Ion: 95 Resp: 20410
Ion Ratio Lower Upper
95 100
174 90.2 0.0 173.4
176 86.7 0.0 166.6

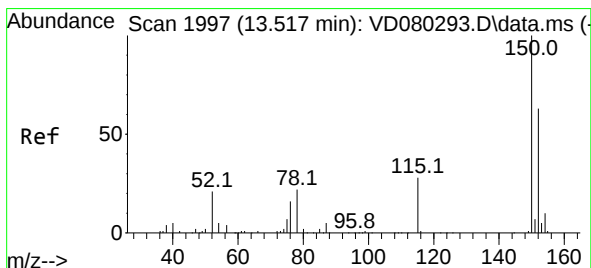
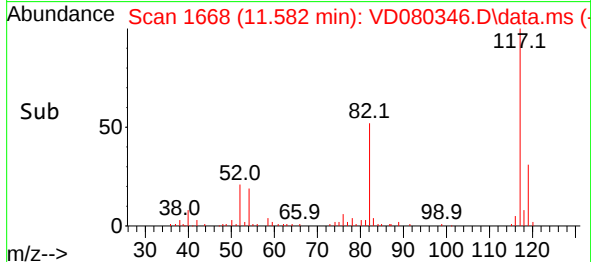
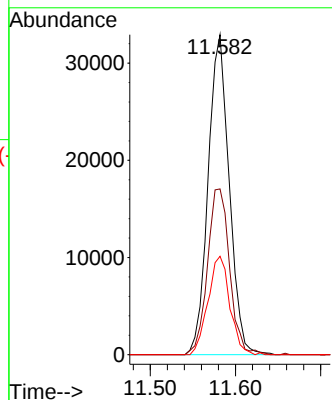
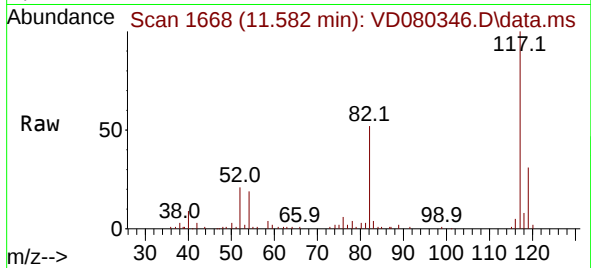




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080346.D
Acq: 15 May 2025 14:13

Instrument :
MSVOA_D
ClientSampleId :
281RE

Tgt Ion:117 Resp: 56721
Ion Ratio Lower Upper
117 100
82 51.8 45.8 68.6
119 30.7 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: VD080346.D
Acq: 15 May 2025 14:13

Tgt Ion:152 Resp: 21525
Ion Ratio Lower Upper
152 100
115 51.2 28.9 86.8
150 147.8 0.0 354.8

