

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080350.D
 Acq On : 15 May 2025 15:59
 Operator : RP/MD
 Sample : Q2034-15
 Misc : 3.23G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 L3-WC-4-VOC

Quant Time: May 16 02:58:56 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	98089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	188978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	177385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	81213	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	56853	44.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.640%
35) Dibromofluoromethane	7.805	113	65360	51.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.200%
50) Toluene-d8	10.270	98	244621	49.017	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.570	95	67649	42.233	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.460%

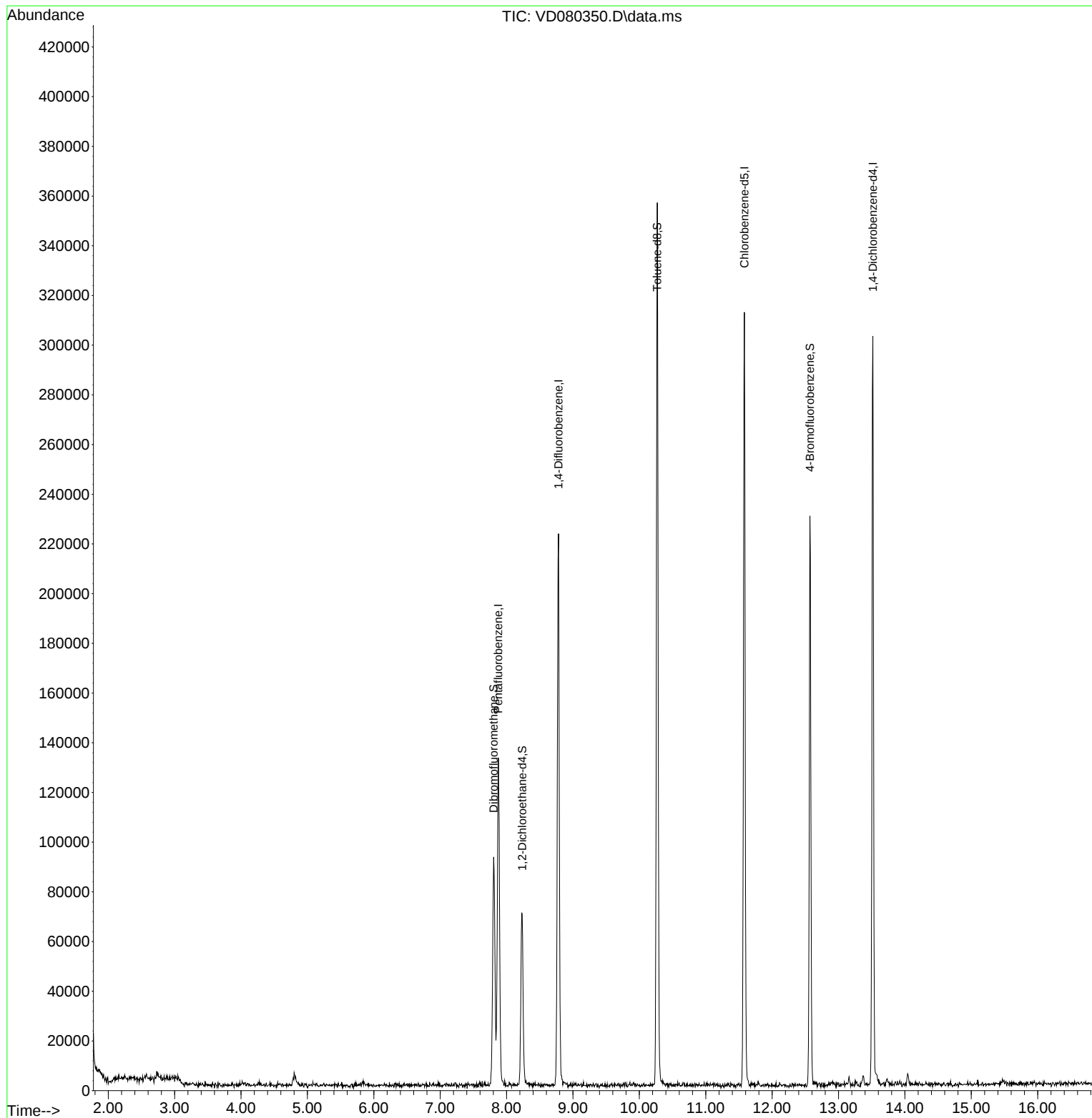
Target Compounds	Qvalue

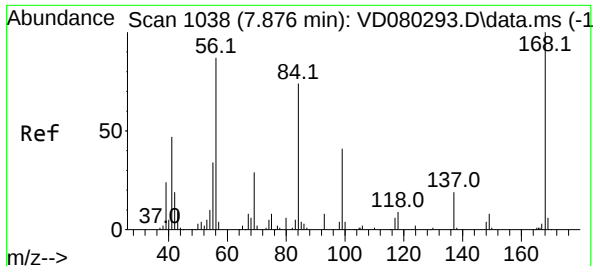
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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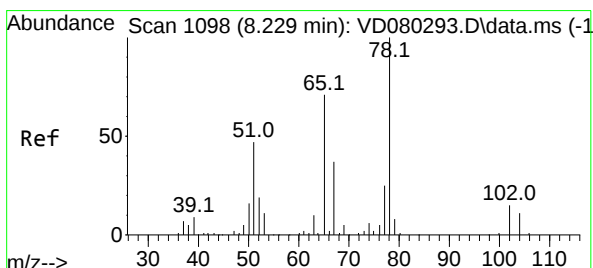
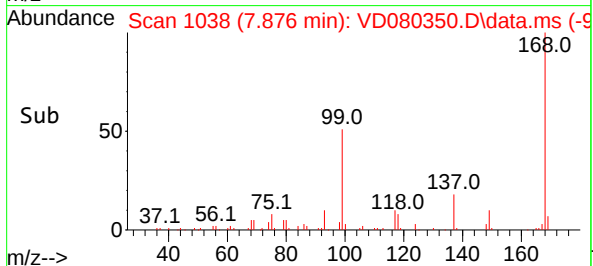
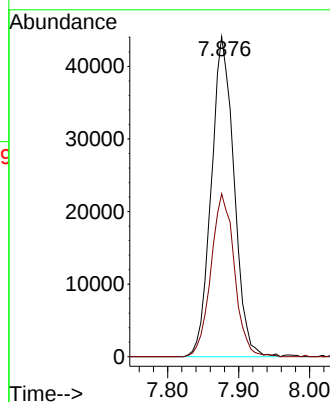
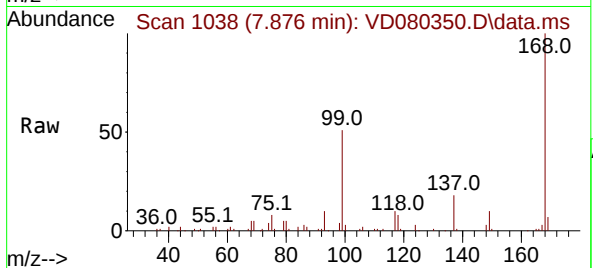




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080350.D
Acq: 15 May 2025 15:59

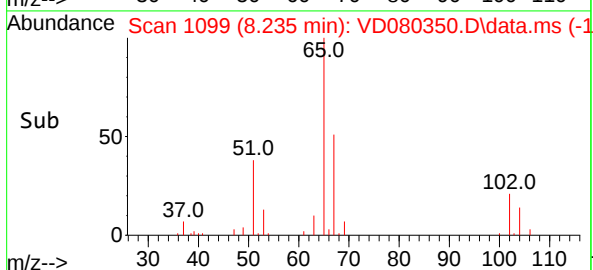
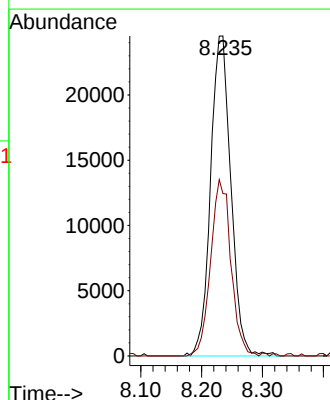
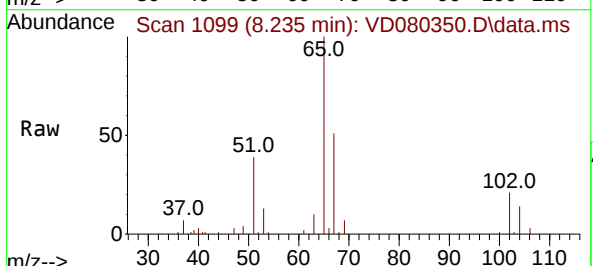
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-4-VOC

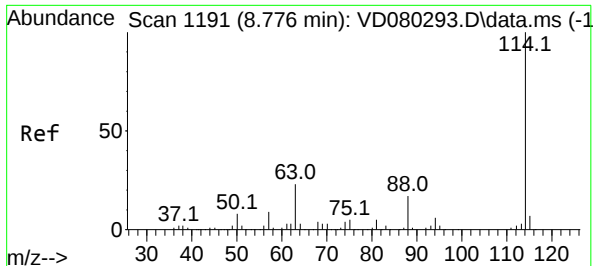
Tgt Ion:168 Resp: 98089
Ion Ratio Lower Upper
168 100
99 50.9 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 44.821 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080350.D
Acq: 15 May 2025 15:59

Tgt Ion: 65 Resp: 56853
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.2

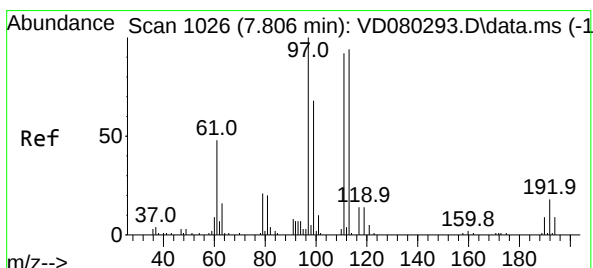
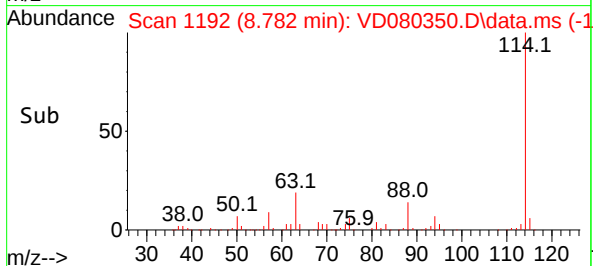
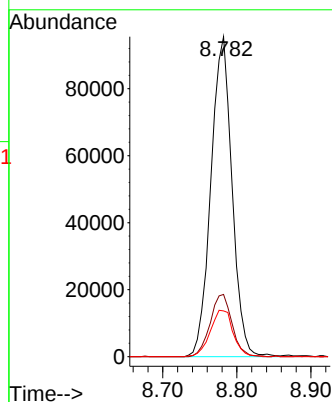
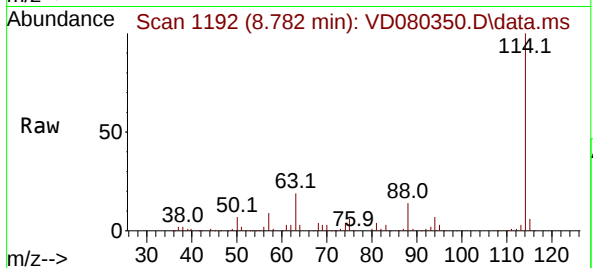




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.782 min Scan# 1191
Delta R.T. 0.007 min
Lab File: VD080350.D
Acq: 15 May 2025 15:59

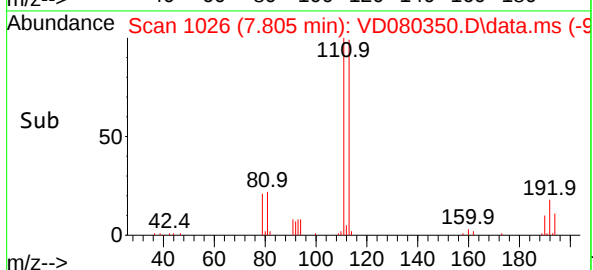
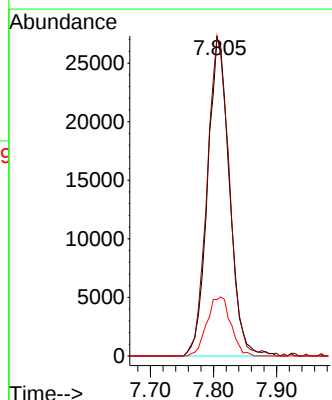
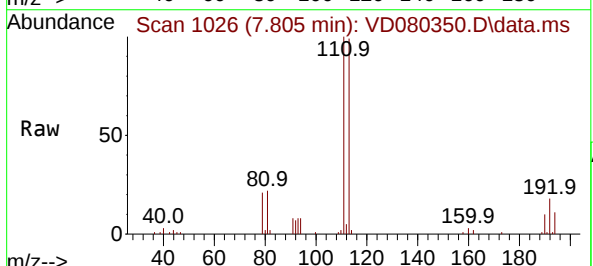
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-4-VOC

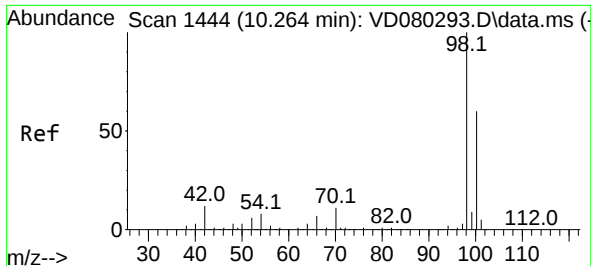
Tgt Ion:114 Resp: 188978
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.8
88 14.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.603 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080350.D
Acq: 15 May 2025 15:59

Tgt Ion:113 Resp: 65360
Ion Ratio Lower Upper
113 100
111 102.3 82.5 123.7
192 20.1 16.6 25.0

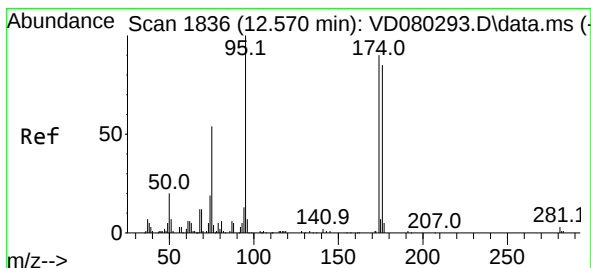
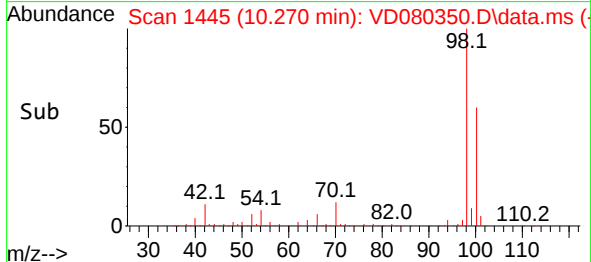
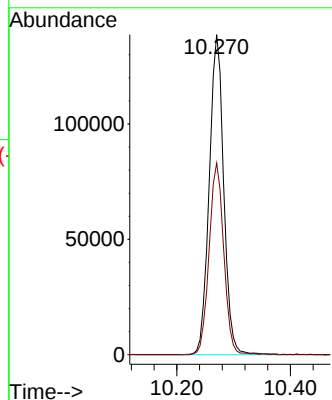
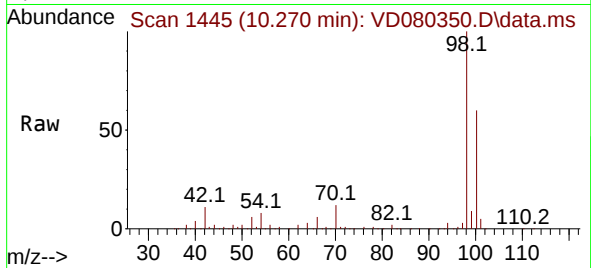




#50
Toluene-d8
Concen: 49.017 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080350.D
Acq: 15 May 2025 15:59

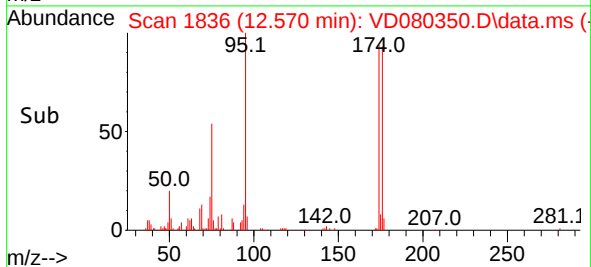
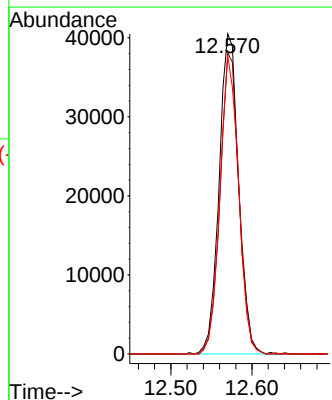
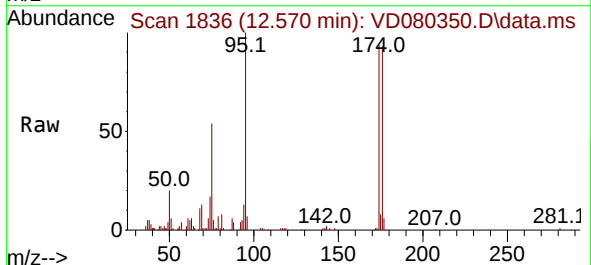
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-4-VOC

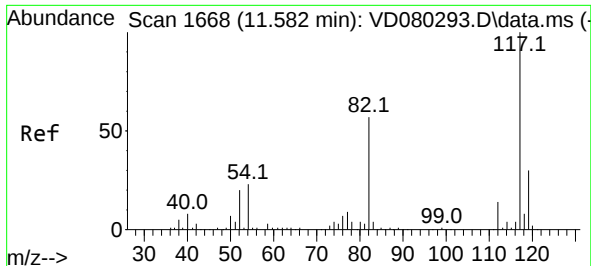
Tgt Ion: 98 Resp: 244621
Ion Ratio Lower Upper
98 100
100 60.5 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 42.233 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080350.D
Acq: 15 May 2025 15:59

Tgt Ion: 95 Resp: 67649
Ion Ratio Lower Upper
95 100
174 91.1 0.0 173.4
176 88.9 0.0 166.6

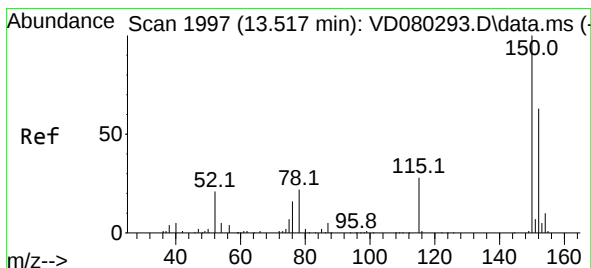
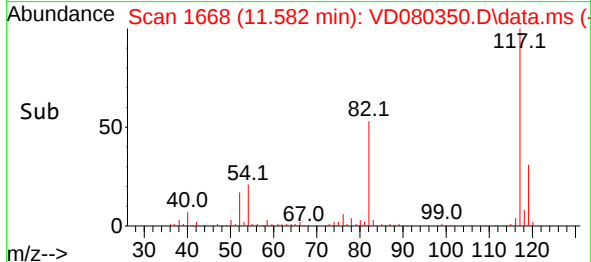
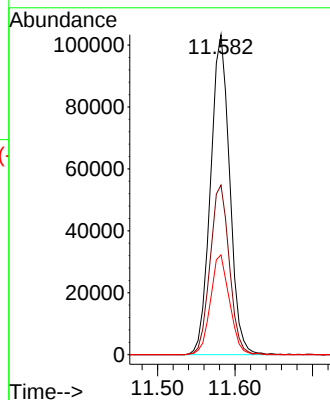
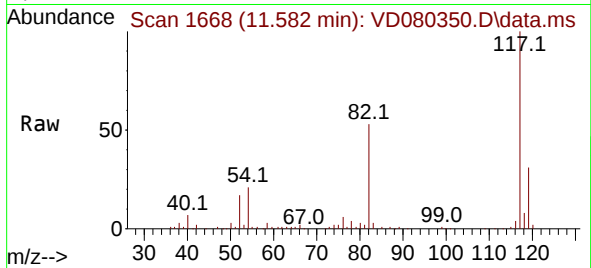




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117385
Delta R.T. 0.001 min
Lab File: VD080350.D
Acq: 15 May 2025 15:59

Instrument :
MSVOA_D
ClientSampleId :
L3-WC-4-VOC

Tgt Ion:117 Resp: 177385
Ion Ratio Lower Upper
117 100
82 53.0 45.8 68.6
119 31.2 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: VD080350.D
Acq: 15 May 2025 15:59

Tgt Ion:152 Resp: 81213
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.8
150 154.8 0.0 354.8

