

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080351.D
 Acq On : 15 May 2025 16:25
 Operator : RP/MD
 Sample : Q2034-19
 Misc : 3.70G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 L3-WC-5-VOC

Quant Time: May 16 02:59:23 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	99264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	187140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	184788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	88864	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	55752	43.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.860%
35) Dibromofluoromethane	7.811	113	64691	51.576	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.160%
50) Toluene-d8	10.270	98	249912	50.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.570	95	72556	45.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.480%

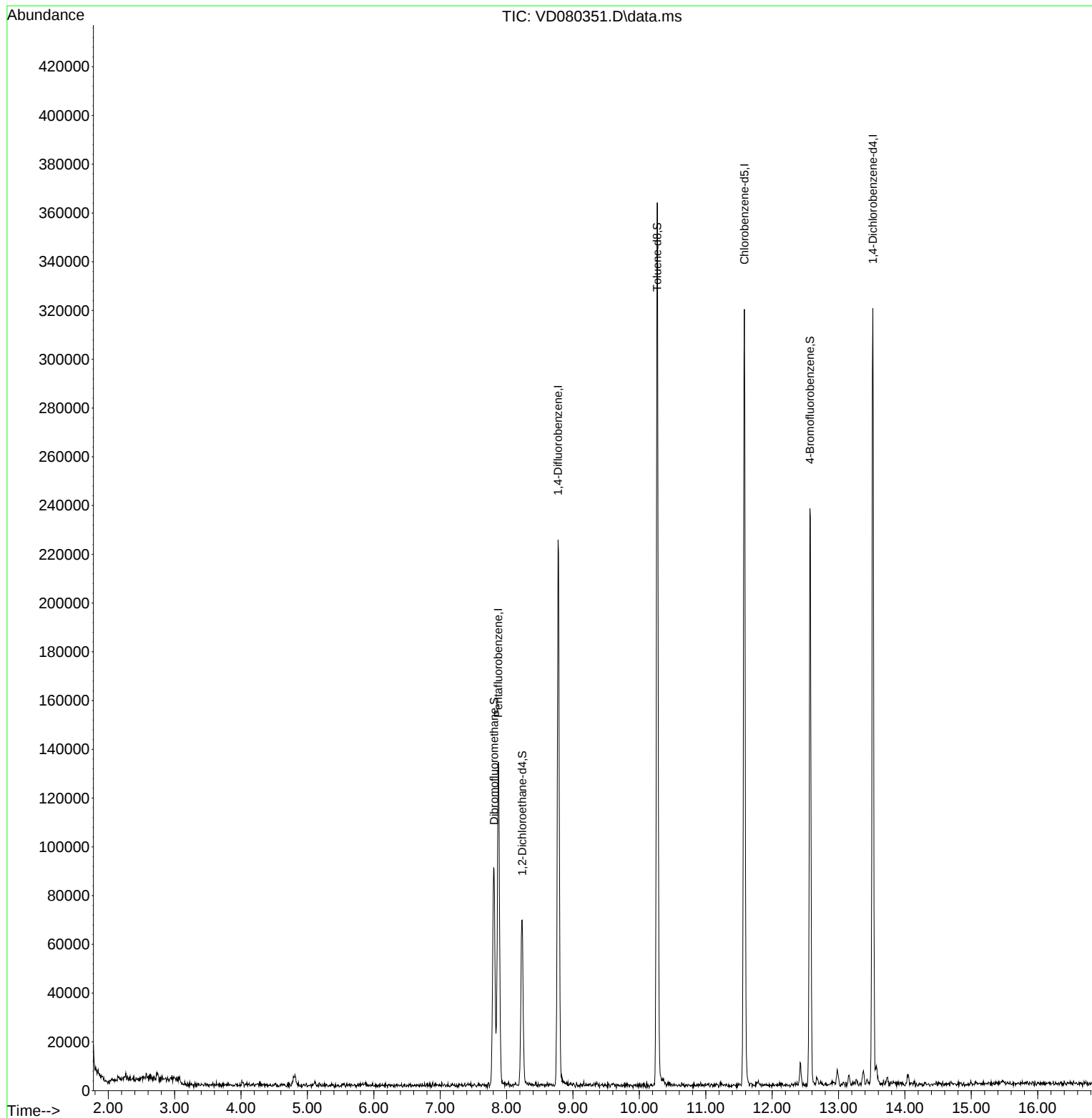
Target Compounds	Qvalue

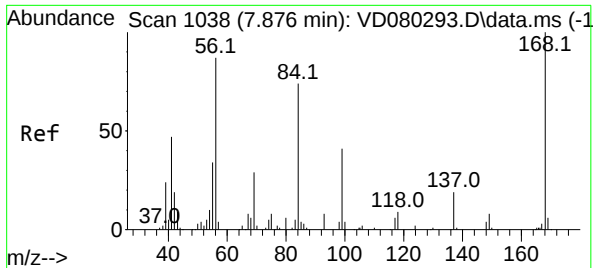
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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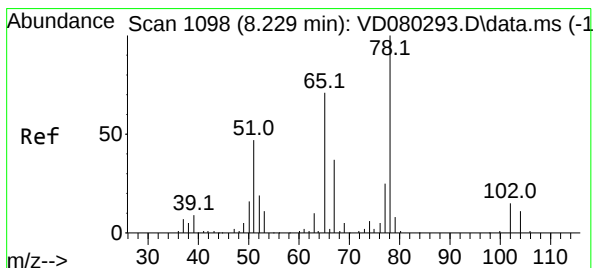
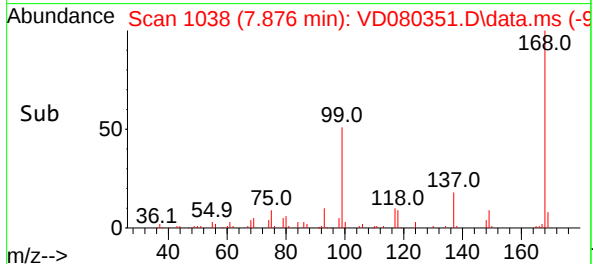
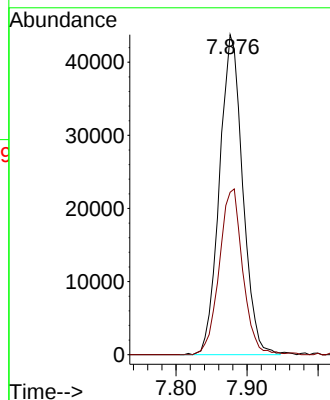
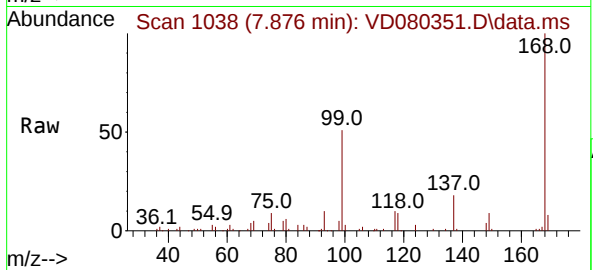




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

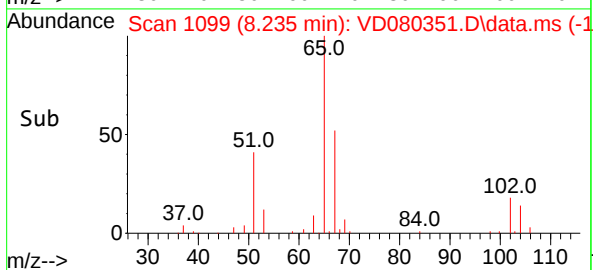
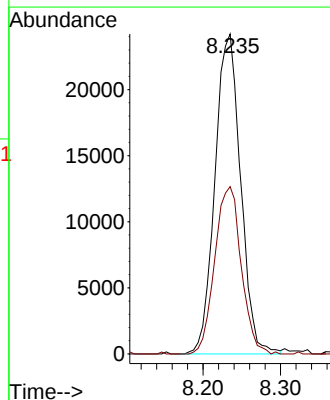
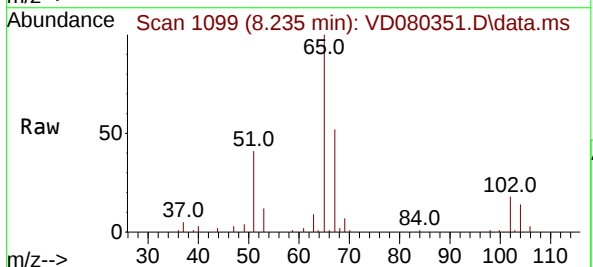
Instrument :
MSVOA_D
ClientSampleId :
L3-WC-5-VOC

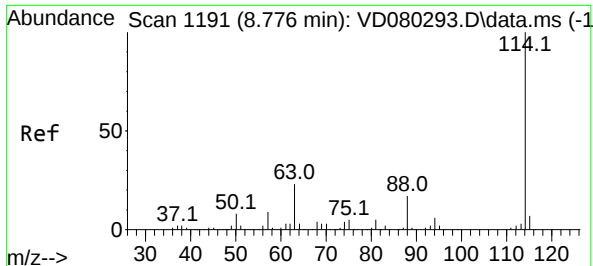
Tgt Ion:168 Resp: 99264
Ion Ratio Lower Upper
168 100
99 50.8 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 43.432 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Tgt Ion: 65 Resp: 55752
Ion Ratio Lower Upper
65 100
67 53.9 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: VD080351.D

Acq: 15 May 2025 16:25

Instrument :

MSVOA_D

ClientSampleId :

L3-WC-5-VOC

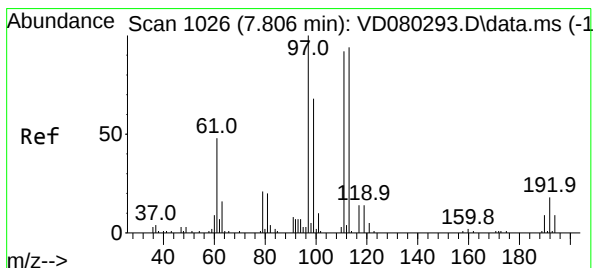
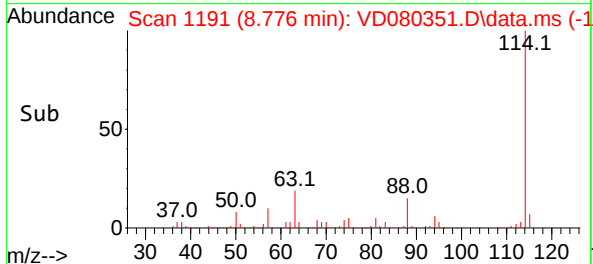
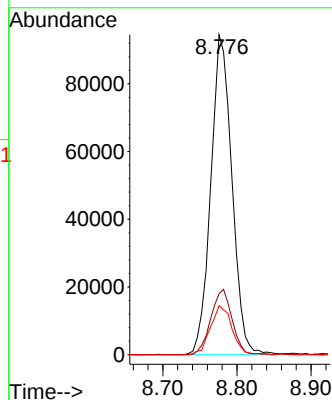
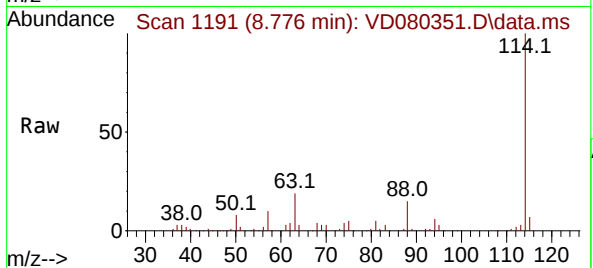
Tgt Ion:114 Resp: 187140

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.576 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080351.D

Acq: 15 May 2025 16:25

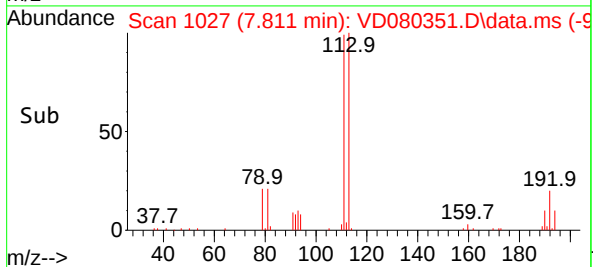
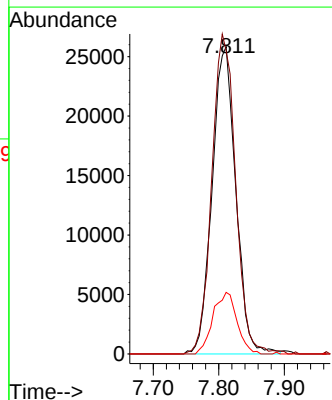
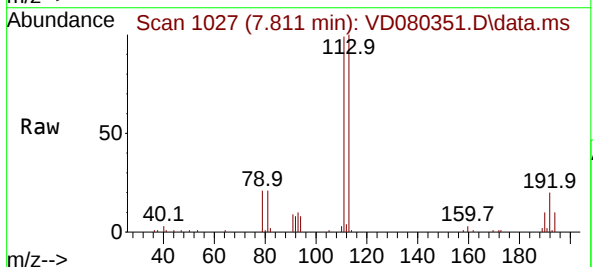
Tgt Ion:113 Resp: 64691

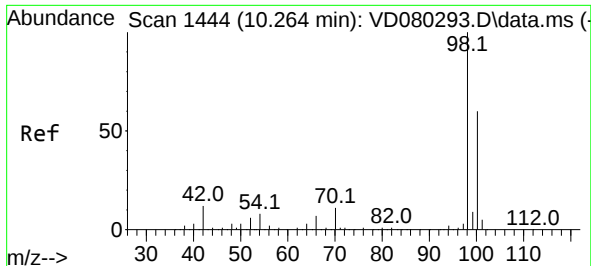
Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 20.3 16.6 25.0

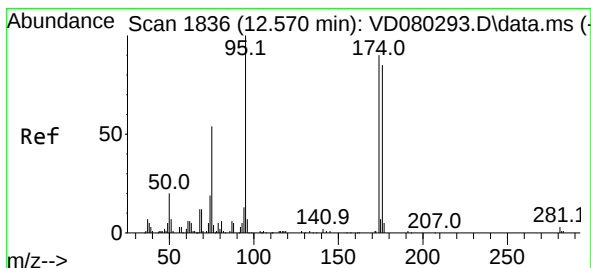
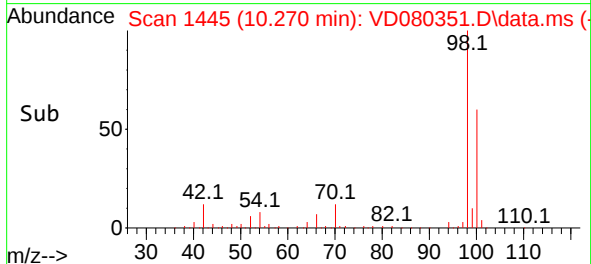
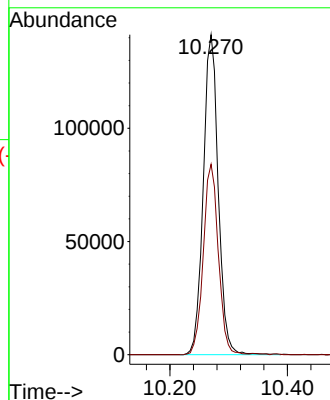
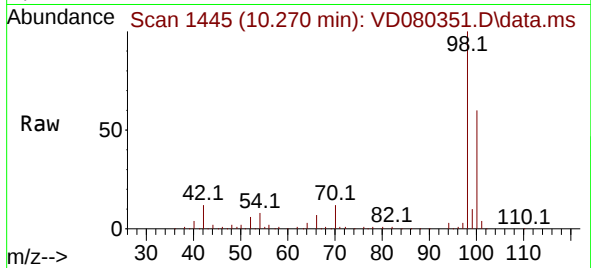




#50
Toluene-d8
Concen: 50.569 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

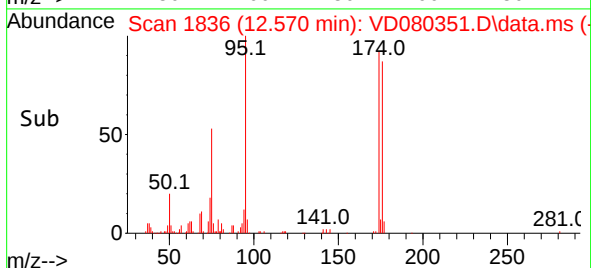
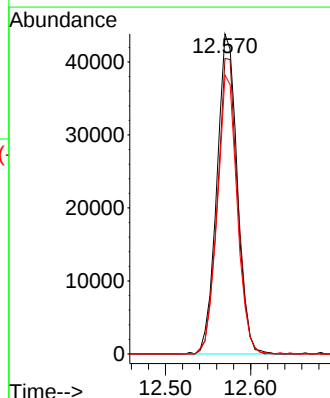
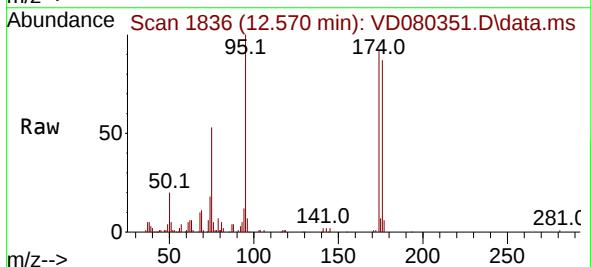
Instrument :
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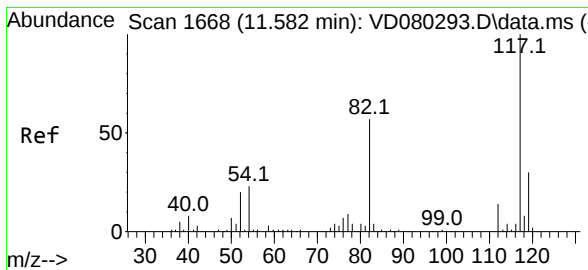
Tgt Ion: 98 Resp: 249912
Ion Ratio Lower Upper
98 100
100 59.7 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 45.741 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Tgt Ion: 95 Resp: 72556
Ion Ratio Lower Upper
95 100
174 91.8 0.0 173.4
176 85.2 0.0 166.6

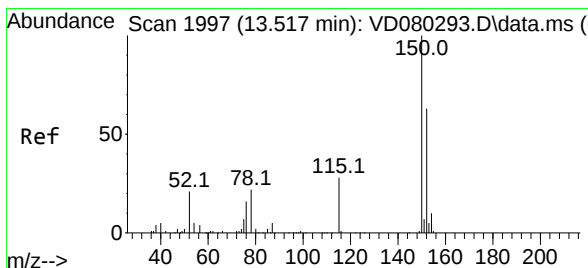
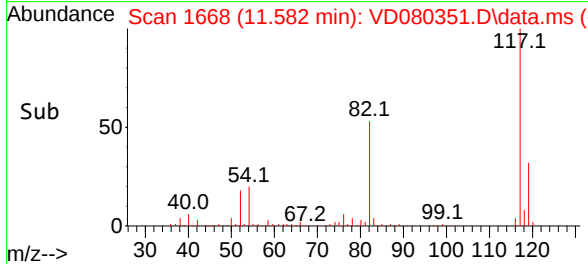
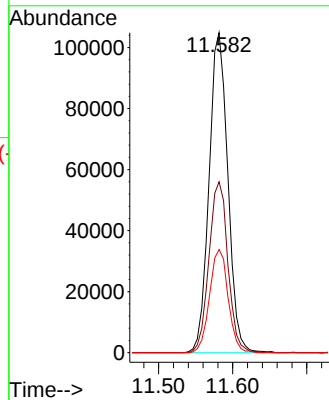
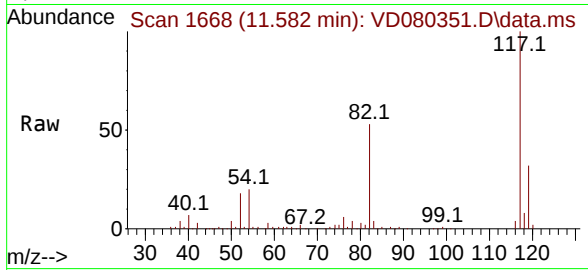




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080351.D
Acq: 15 May 2025 16:25

Instrument :
MSVOA_D
ClientSampleId :
L3-WC-5-VOC

Tgt Ion:117 Resp: 184788
Ion Ratio Lower Upper
117 100
82 53.4 45.8 68.6
119 32.3 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: VD080351.D
Acq: 15 May 2025 16:25

Tgt Ion:152 Resp: 88864
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.8
150 152.1 0.0 354.8

