

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080344.D
 Acq On : 15 May 2025 13:20
 Operator : RP/MD
 Sample : Q2024-01
 Misc : 5.11G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-051325

Quant Time: May 16 02:56:10 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	95332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	204434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	195831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	85385	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	65948	53.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.980%
35) Dibromofluoromethane	7.805	113	73957	53.976	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.960%
50) Toluene-d8	10.270	98	269779	49.971	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.940%
62) 4-Bromofluorobenzene	12.570	95	76143	43.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.880%

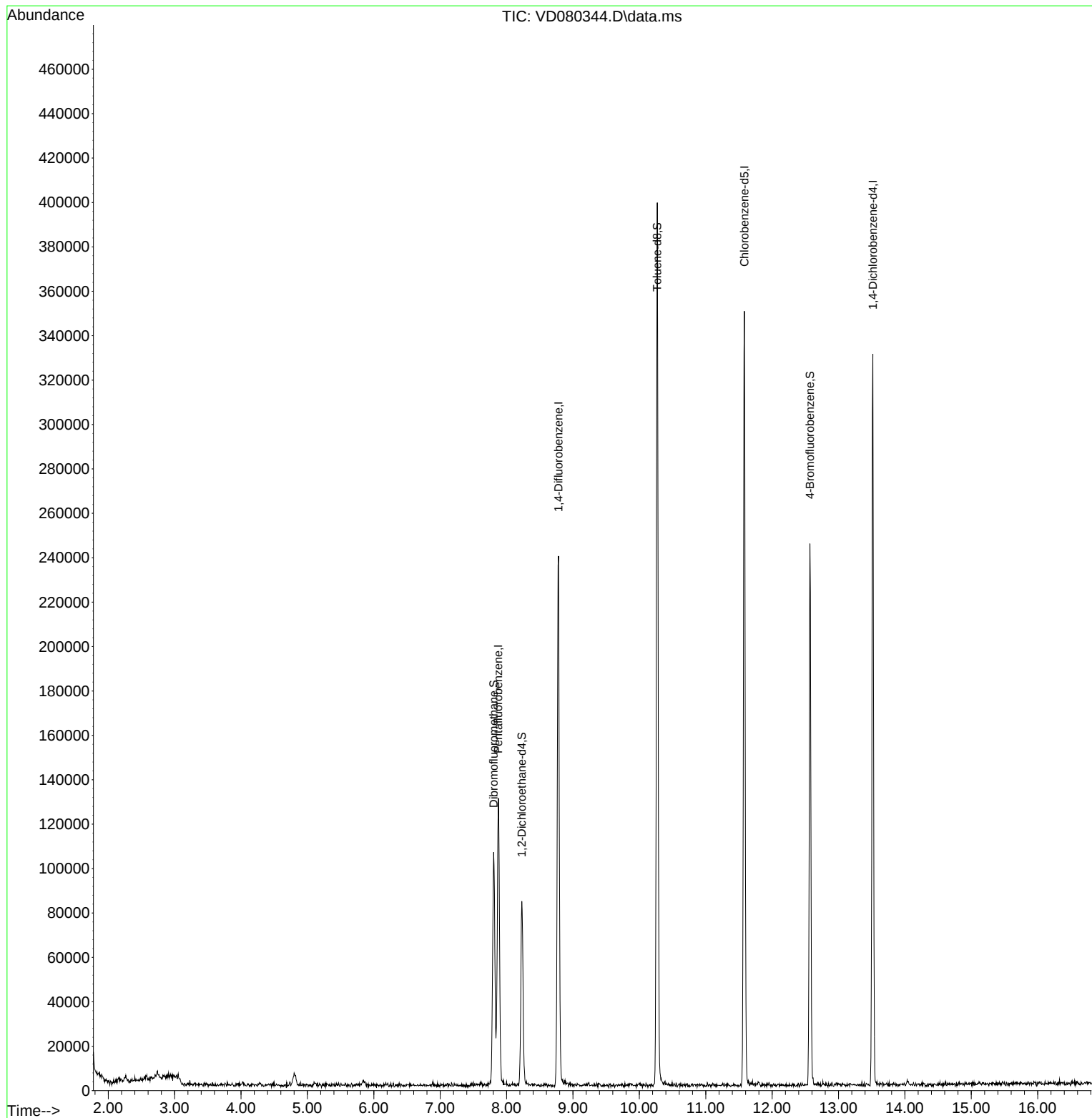
Target Compounds	Qvalue

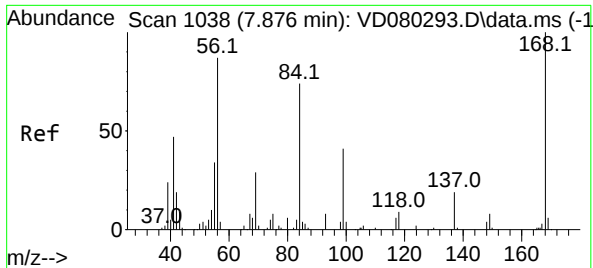
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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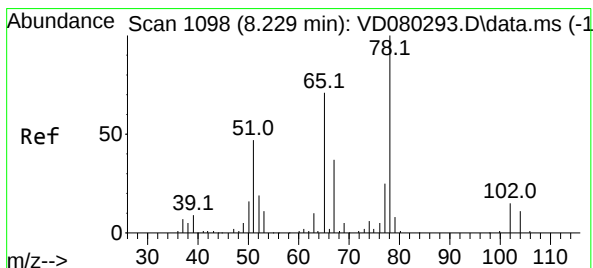
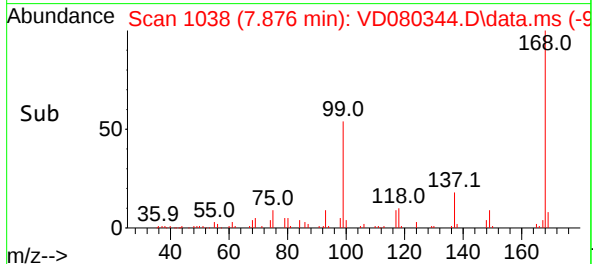
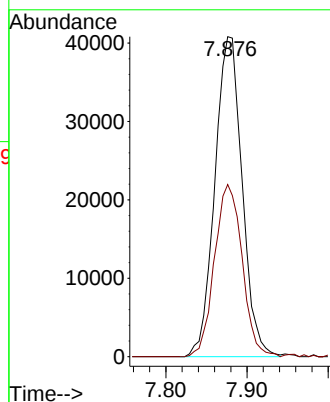
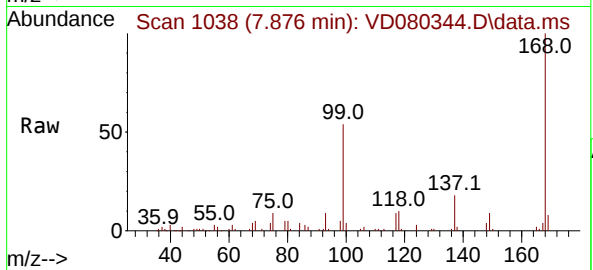




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080344.D
Acq: 15 May 2025 13:20

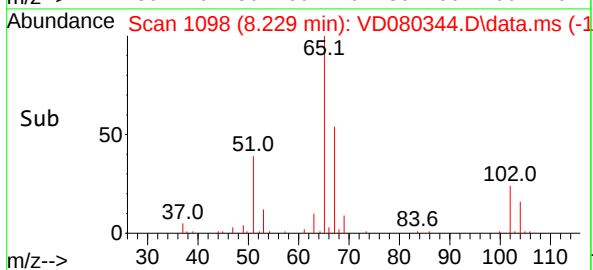
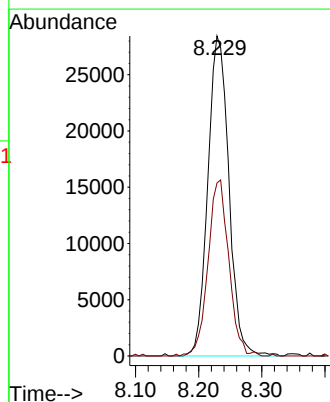
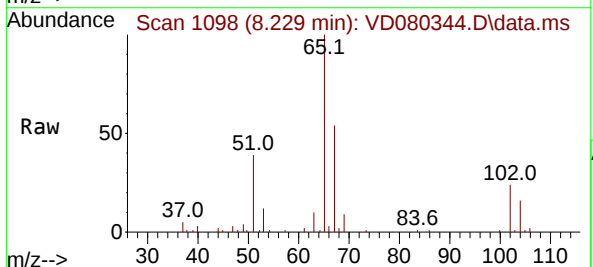
Instrument :
MSVOA_D
ClientSampleId :
PL-02-051325

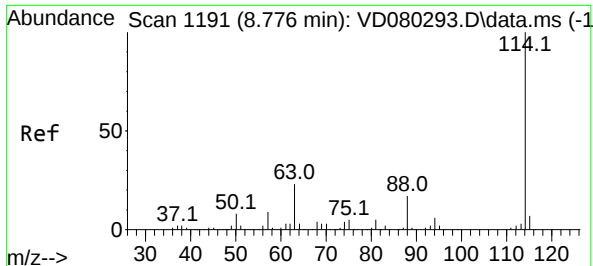
Tgt Ion:168 Resp: 95332
Ion Ratio Lower Upper
168 100
99 53.8 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 53.494 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080344.D
Acq: 15 May 2025 13:20

Tgt Ion: 65 Resp: 65948
Ion Ratio Lower Upper
65 100
67 54.5 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: VD080344.D

Acq: 15 May 2025 13:20

Instrument :

MSVOA_D

ClientSampleId :

PL-02-051325

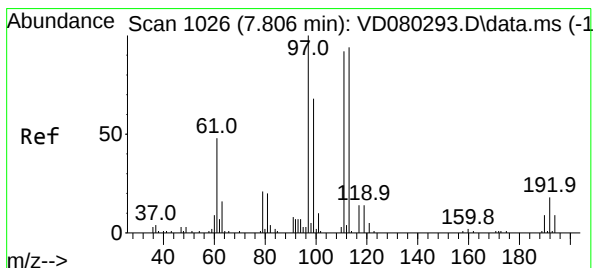
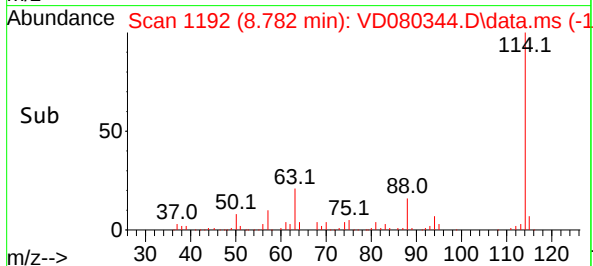
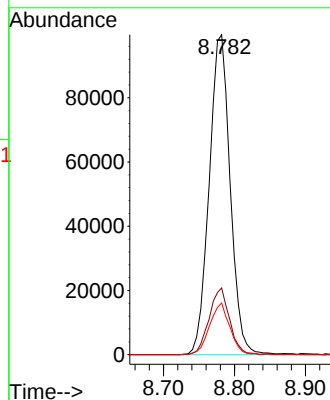
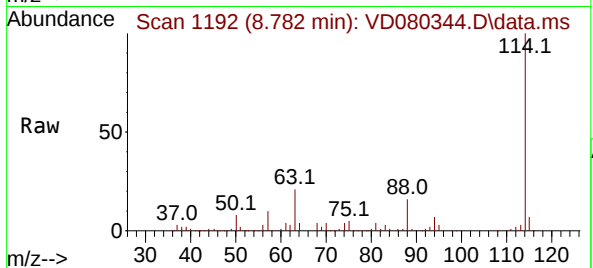
Tgt Ion:114 Resp: 204434

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.976 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080344.D

Acq: 15 May 2025 13:20

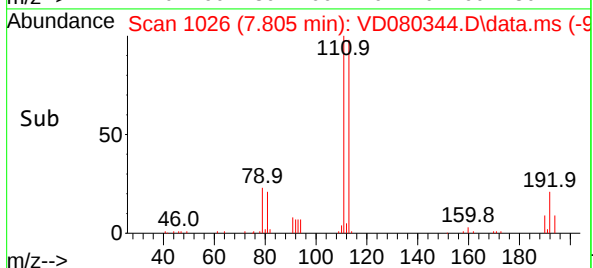
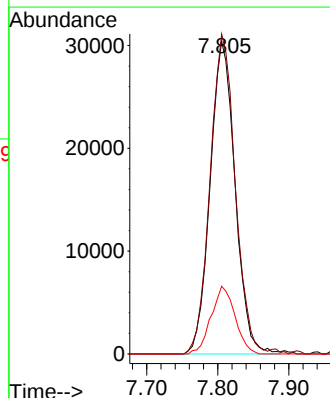
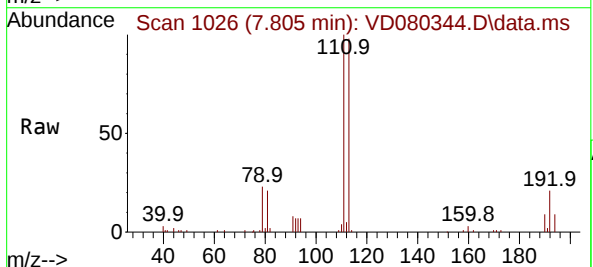
Tgt Ion:113 Resp: 73957

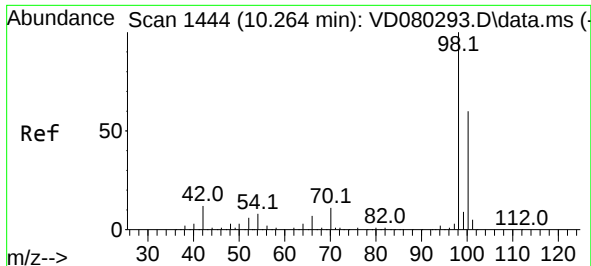
Ion Ratio Lower Upper

113 100

111 103.0 82.5 123.7

192 20.8 16.6 25.0

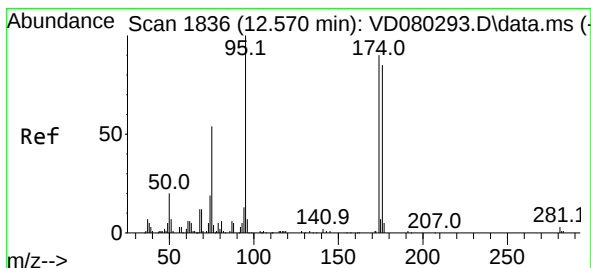
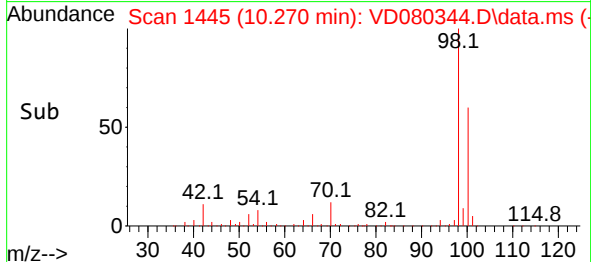
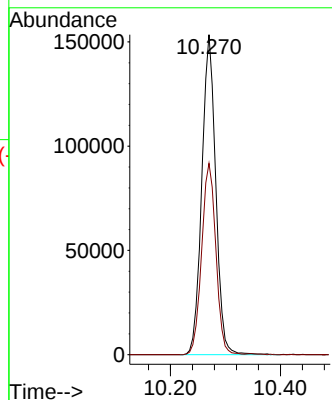
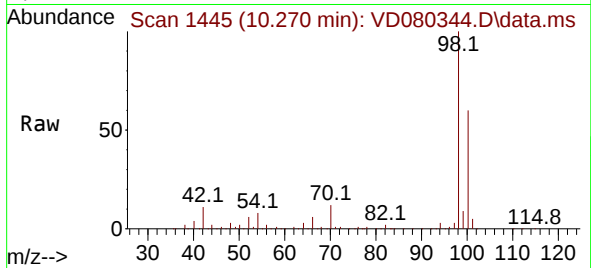




#50
Toluene-d8
Concen: 49.971 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080344.D
Acq: 15 May 2025 13:20

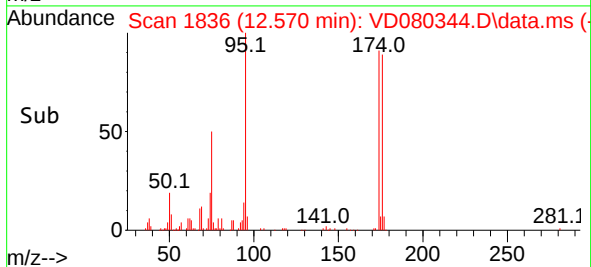
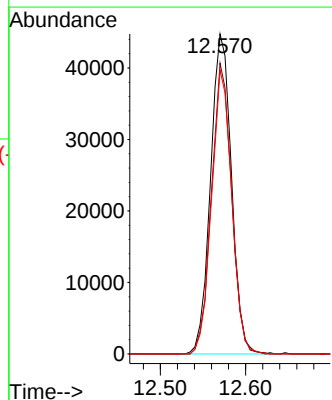
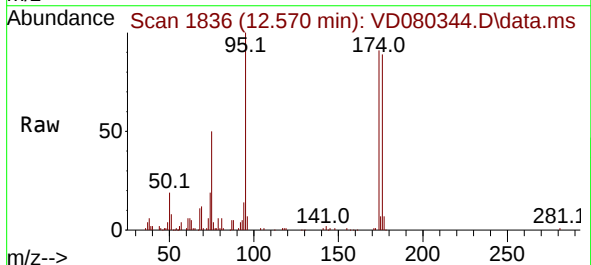
Instrument :
MSVOA_D
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PL-02-051325

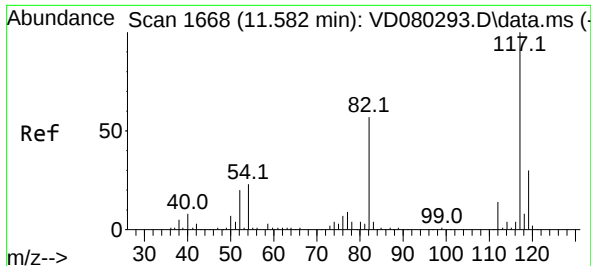
Tgt Ion: 98 Resp: 269779
Ion Ratio Lower Upper
98 100
100 61.0 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 43.942 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080344.D
Acq: 15 May 2025 13:20

Tgt Ion: 95 Resp: 76143
Ion Ratio Lower Upper
95 100
174 87.5 0.0 173.4
176 85.6 0.0 166.6

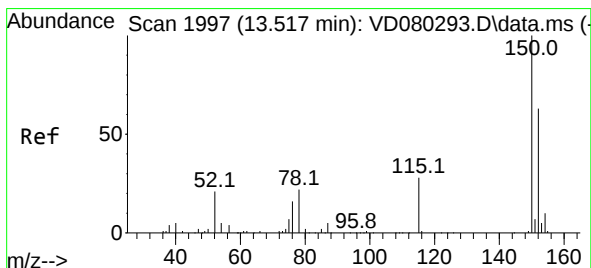
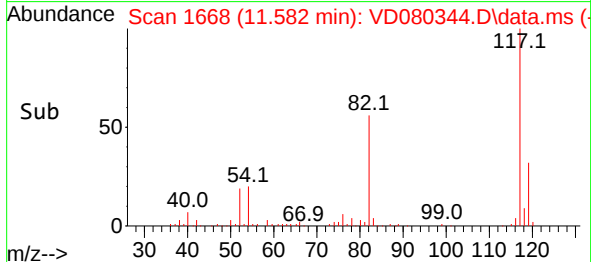
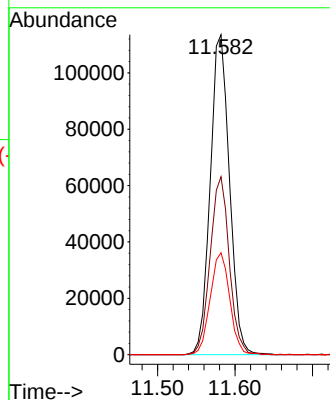
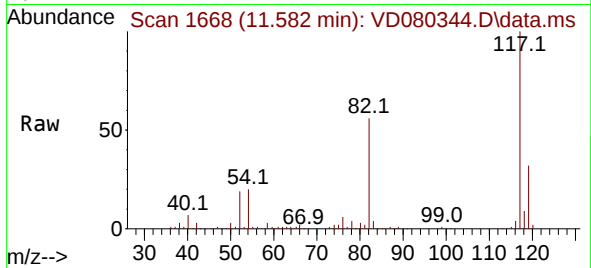




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080344.D
Acq: 15 May 2025 13:20

Instrument :
MSVOA_D
ClientSampleId :
PL-02-051325

Tgt Ion:117 Resp: 195831
Ion Ratio Lower Upper
117 100
82 55.6 45.8 68.6
119 31.8 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: VD080344.D
Acq: 15 May 2025 13:20

Tgt Ion:152 Resp: 85385
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.8
150 159.9 0.0 354.8

