

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080308.D
 Acq On : 13 May 2025 18:17
 Operator : RP/MD
 Sample : Q2004-01
 Misc : 3.61G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-220

Quant Time: May 14 01:35:04 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	87100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	193011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	182688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	85041	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	63528	56.402	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.800%
35) Dibromofluoromethane	7.805	113	71876	55.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.120%
50) Toluene-d8	10.270	98	251204	49.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.560%
62) 4-Bromofluorobenzene	12.570	95	69572	42.526	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.060%

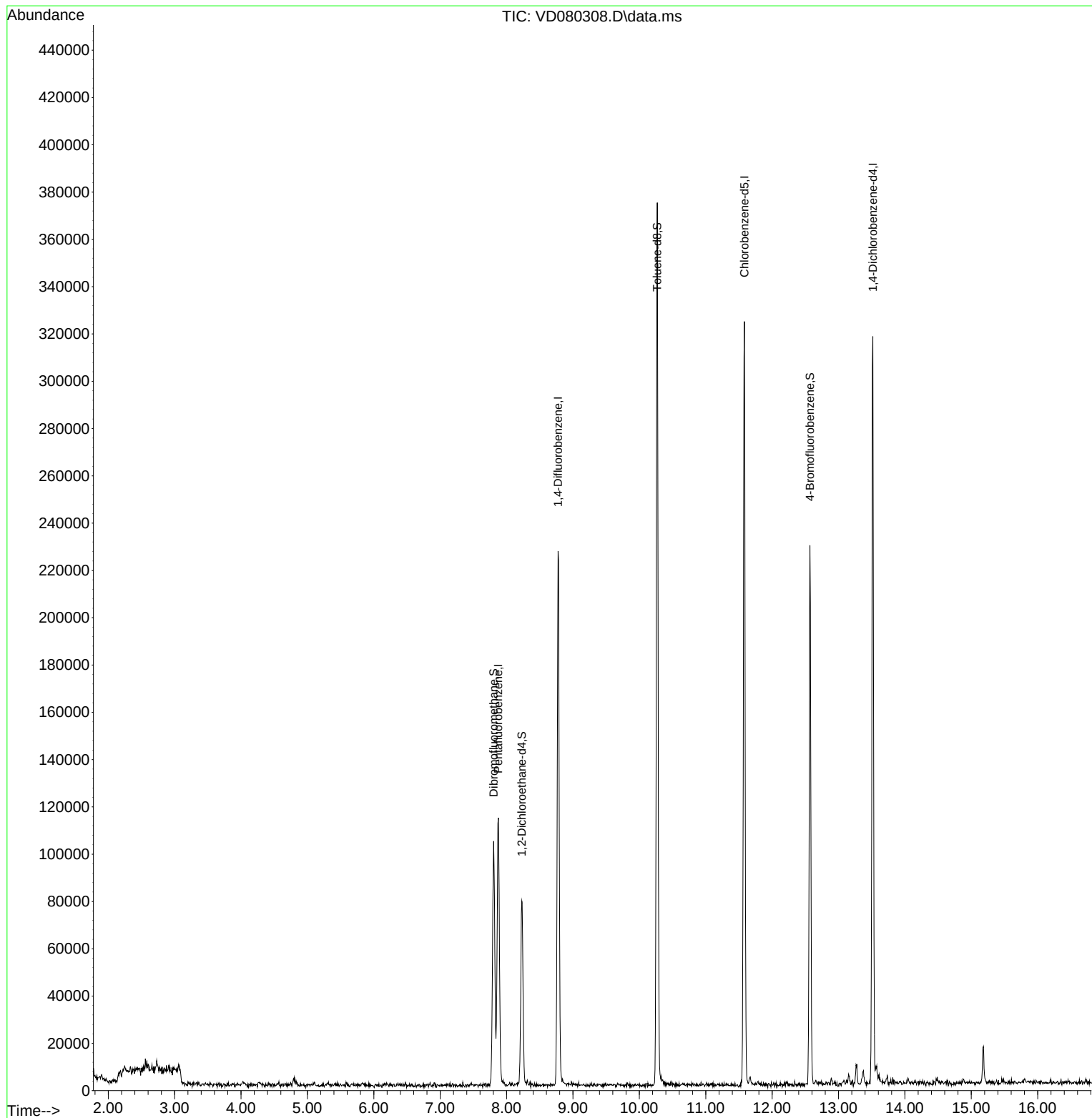
Target Compounds	Qvalue

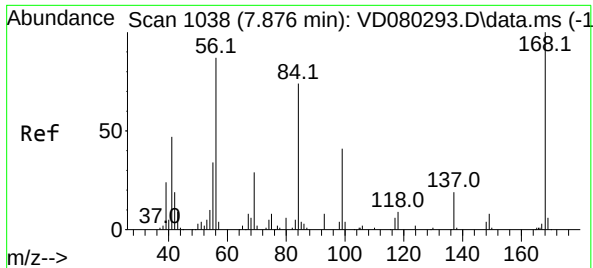
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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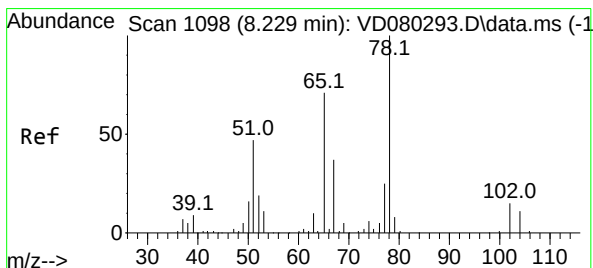
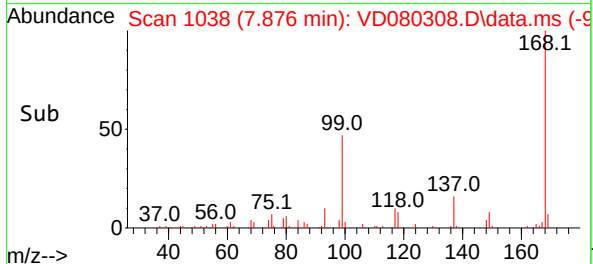
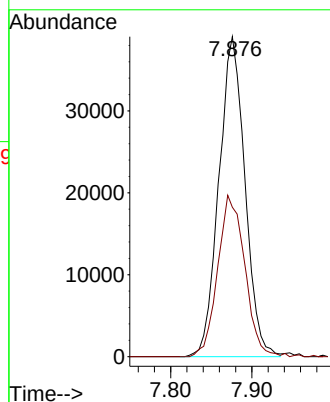
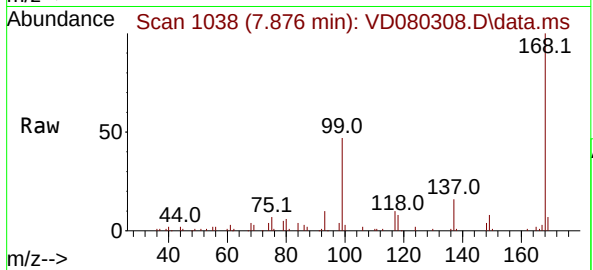




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

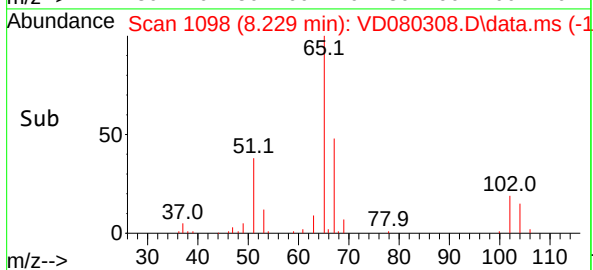
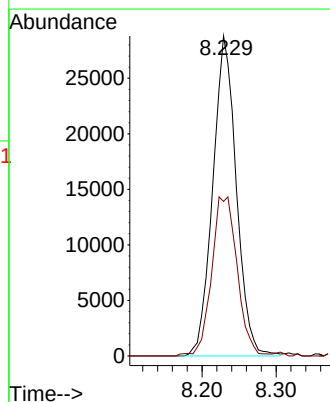
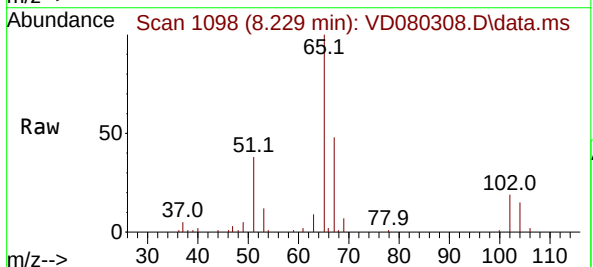
Instrument :
MSVOA_D
ClientSampleId :
VNJ-220

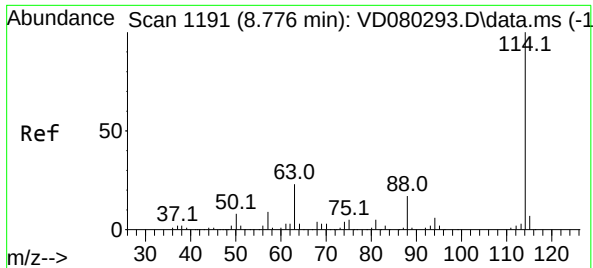
Tgt Ion:168 Resp: 87100
Ion Ratio Lower Upper
168 100
99 46.7 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 56.402 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Tgt Ion: 65 Resp: 63528
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: VD080308.D

Acq: 13 May 2025 18:17

Instrument :

MSVOA_D

ClientSampleId :

VNJ-220

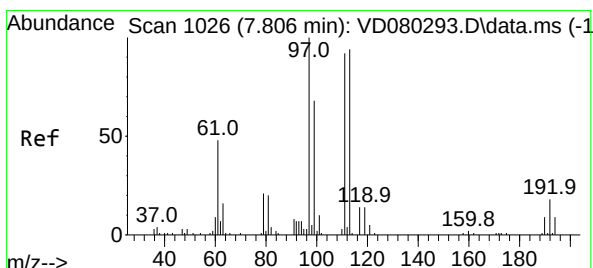
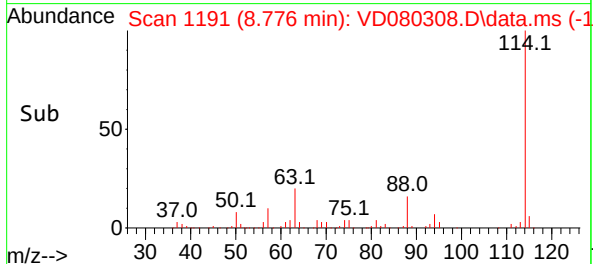
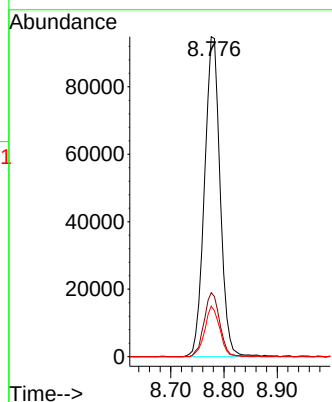
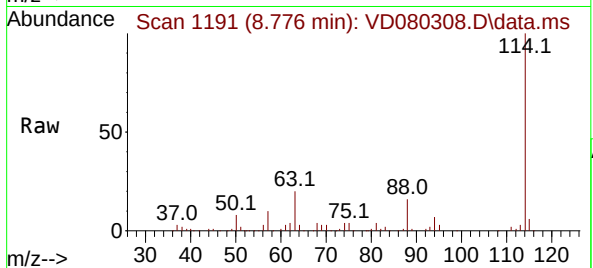
Tgt Ion:114 Resp: 193011

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.561 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080308.D

Acq: 13 May 2025 18:17

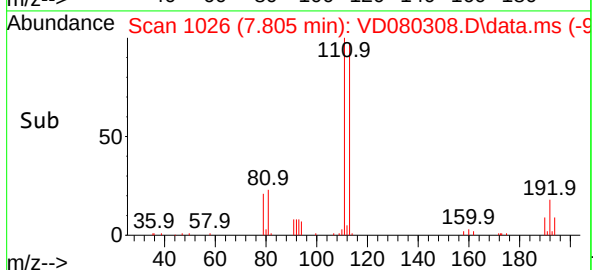
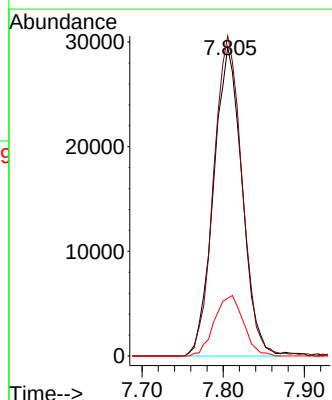
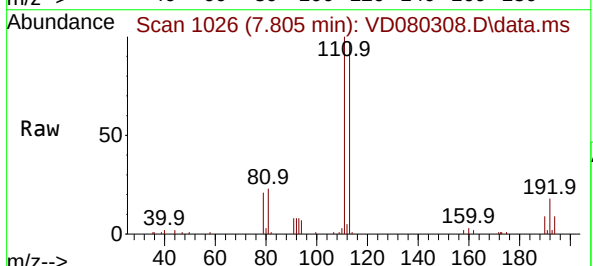
Tgt Ion:113 Resp: 71876

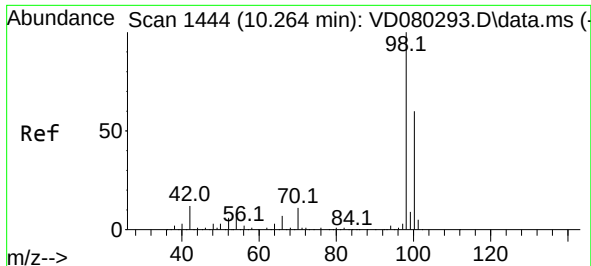
Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 19.9 16.6 25.0

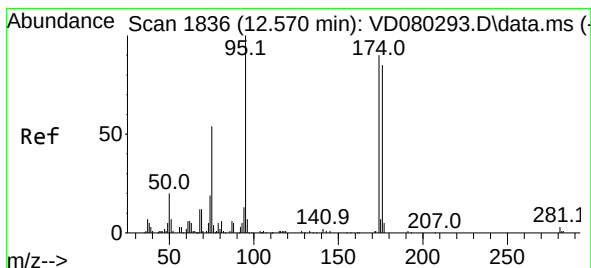
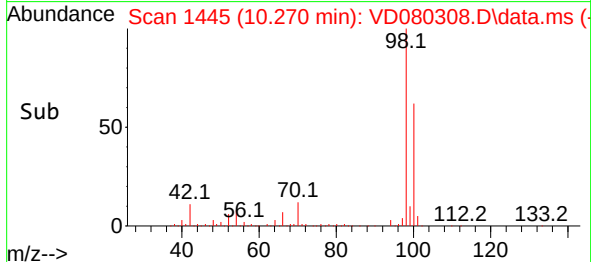
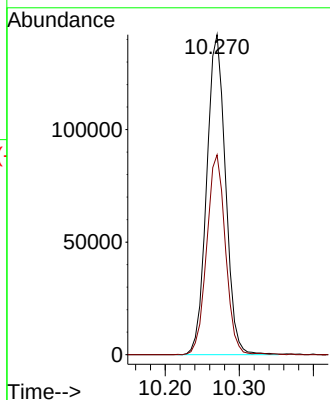
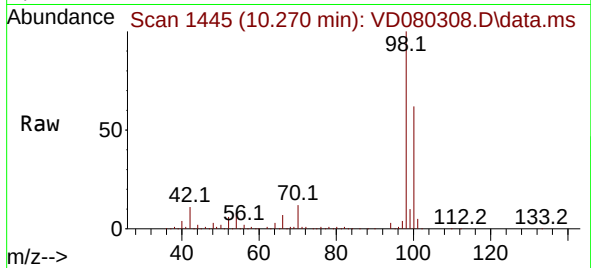




#50
Toluene-d8
Concen: 49.284 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

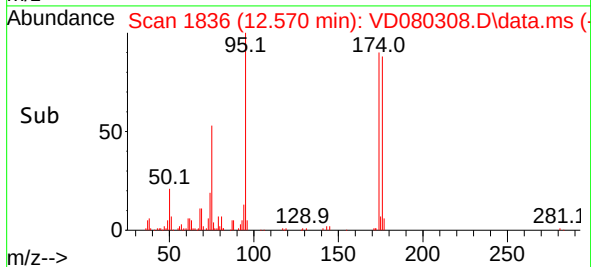
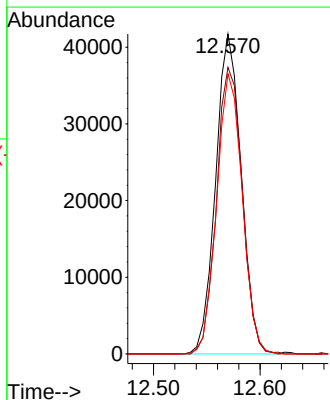
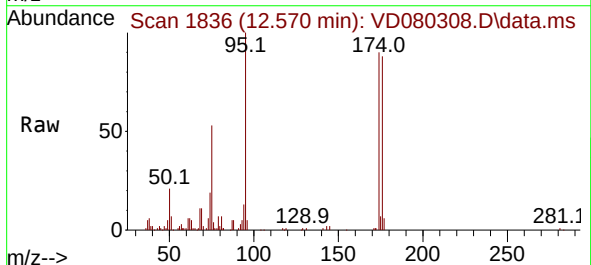
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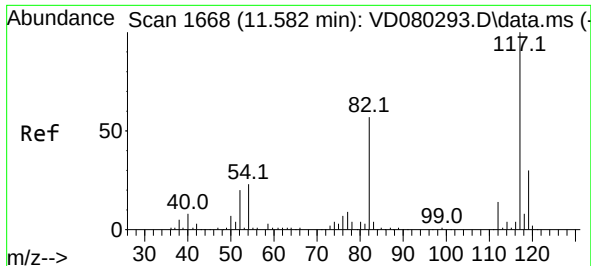
Tgt Ion: 98 Resp: 251204
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 42.526 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Tgt Ion: 95 Resp: 69572
Ion Ratio Lower Upper
95 100
174 90.3 0.0 173.4
176 87.5 0.0 166.6

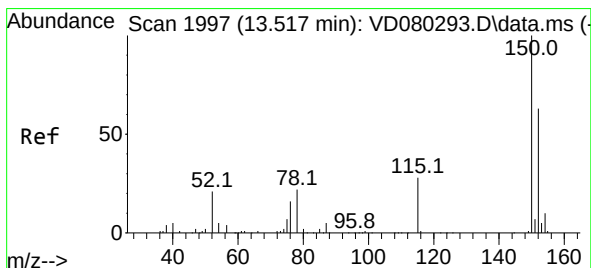
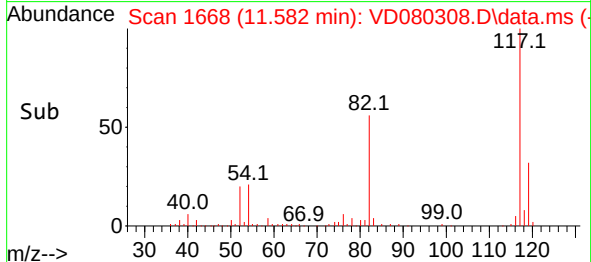
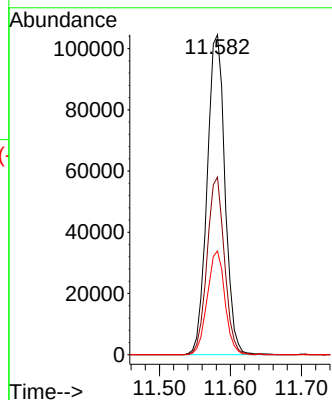
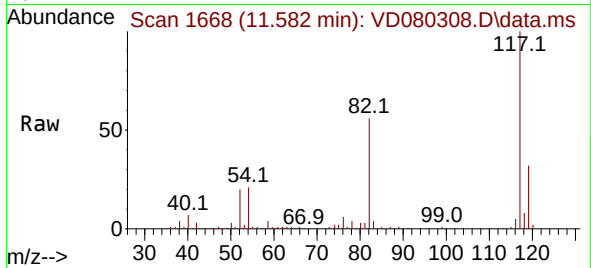




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080308.D
Acq: 13 May 2025 18:17

Instrument :
MSVOA_D
ClientSampleId :
VNJ-220

Tgt Ion:117 Resp: 182688
Ion Ratio Lower Upper
117 100
82 55.5 45.8 68.6
119 32.4 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: VD080308.D
Acq: 13 May 2025 18:17

Tgt Ion:152 Resp: 85041
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.8
150 158.2 0.0 354.8

