

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080373.D
 Acq On : 16 May 2025 15:59
 Operator : RP/MD
 Sample : Q2056-01
 Misc : 5.12G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GVD11

Quant Time: May 17 01:21:13 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)

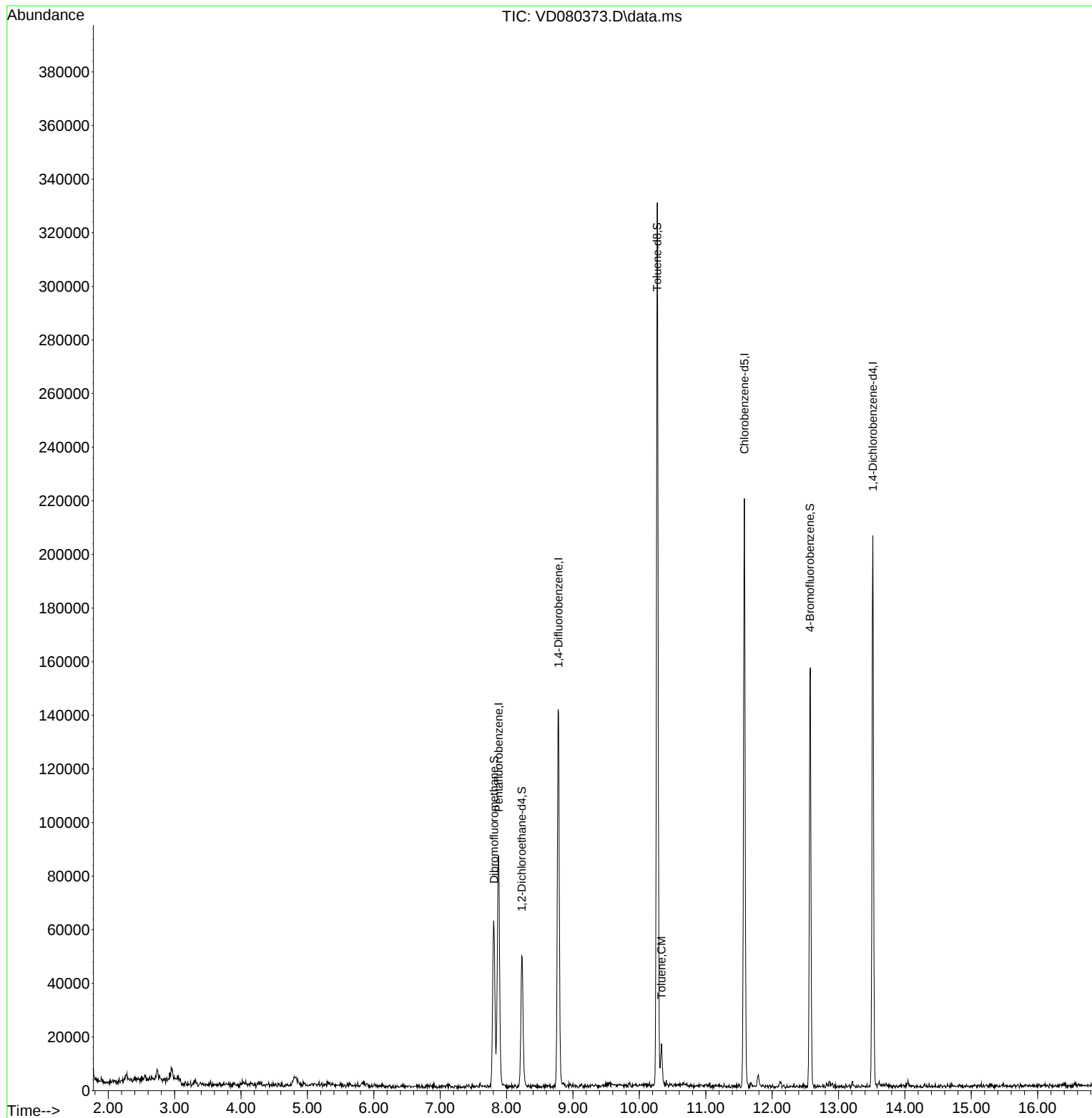
Internal Standards						
1) Pentafluorobenzene	7.882	168	64895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	119683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	118125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	54271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	39574	47.157	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.320%
35) Dibromofluoromethane	7.811	113	43474	54.196	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.400%
50) Toluene-d8	10.270	98	223553	70.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	141.460%#
62) 4-Bromofluorobenzene	12.570	95	47045	46.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.740%
Target Compounds						
52) Toluene	10.335	92	5124	2.264	ug/l	Qvalue 93

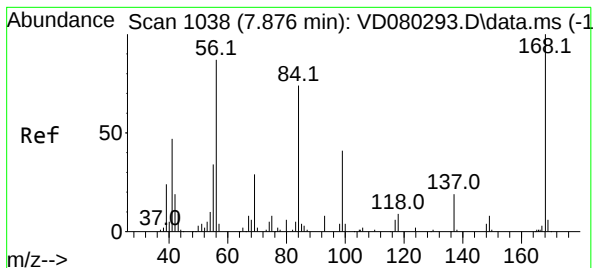
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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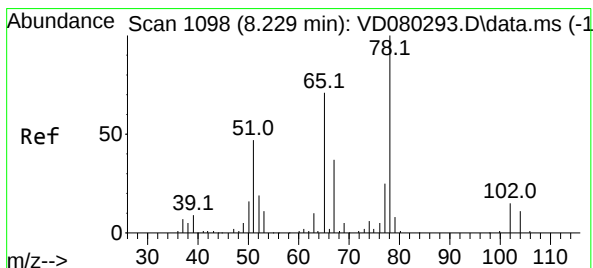
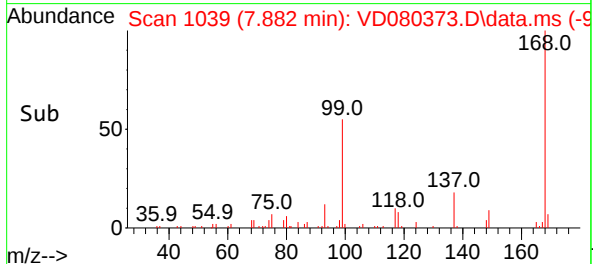
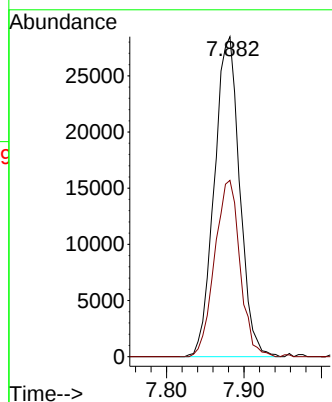
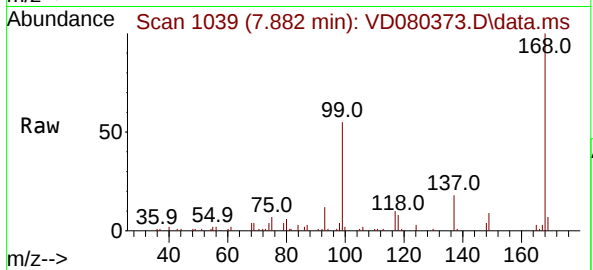




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. 0.007 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

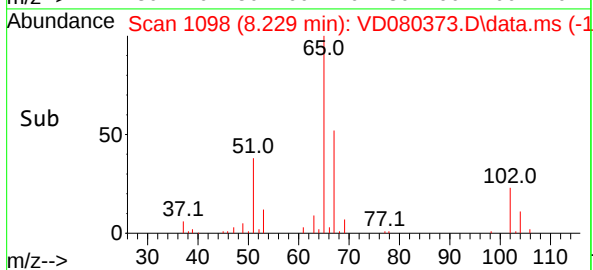
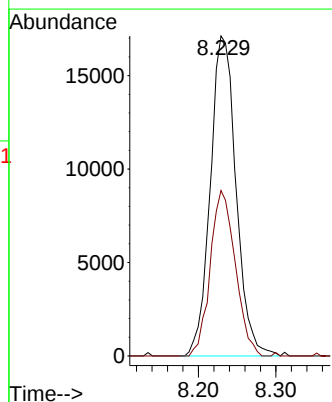
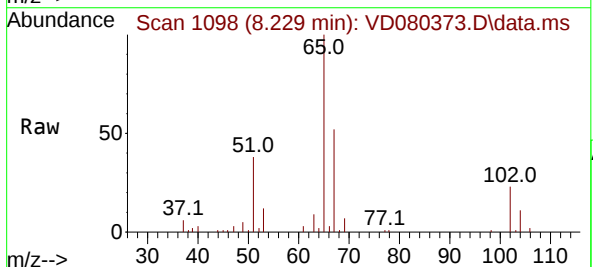
Instrument :
MSVOA_D
ClientSampleId :
GVD11

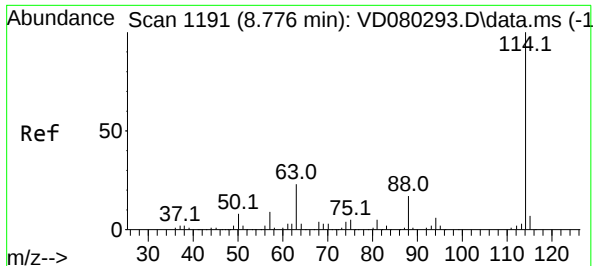
Tgt Ion:168 Resp: 64895
Ion Ratio Lower Upper
168 100
99 55.1 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 47.157 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion: 65 Resp: 39574
Ion Ratio Lower Upper
65 100
67 50.2 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: VD080373.D

Acq: 16 May 2025 15:59

Instrument :

MSVOA_D

ClientSampleId :

GVD11

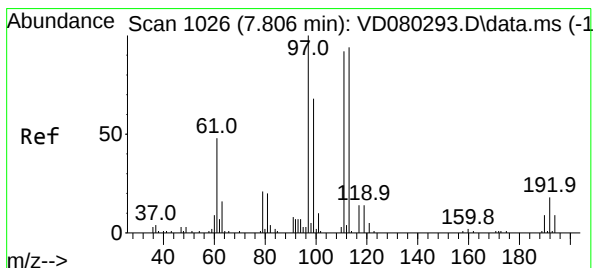
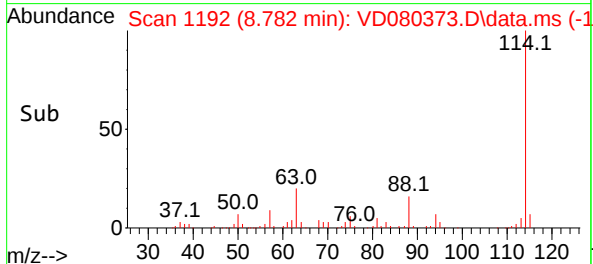
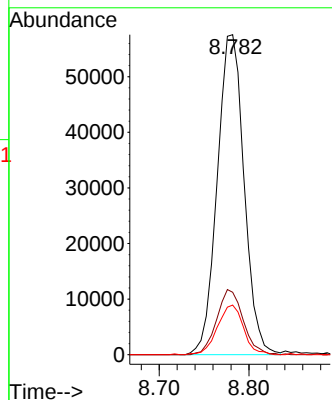
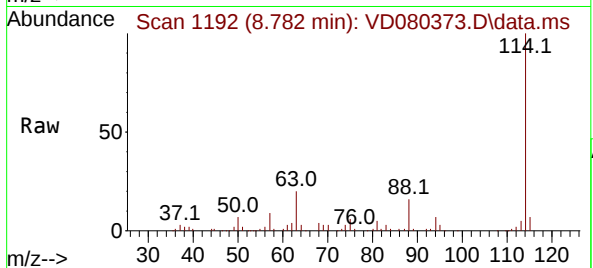
Tgt Ion:114 Resp: 119683

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.196 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080373.D

Acq: 16 May 2025 15:59

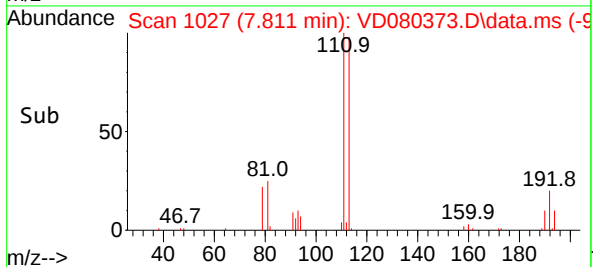
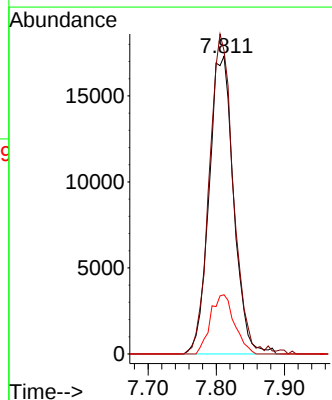
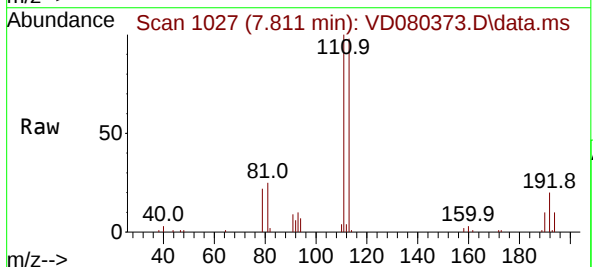
Tgt Ion:113 Resp: 43474

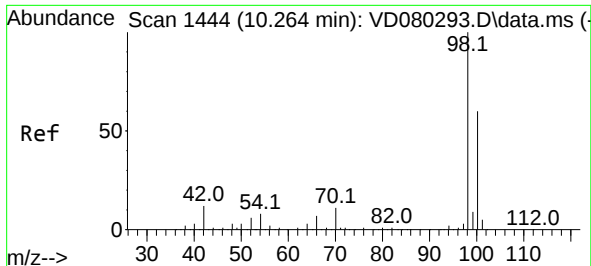
Ion Ratio Lower Upper

113 100

111 104.7 82.5 123.7

192 19.4 16.6 25.0

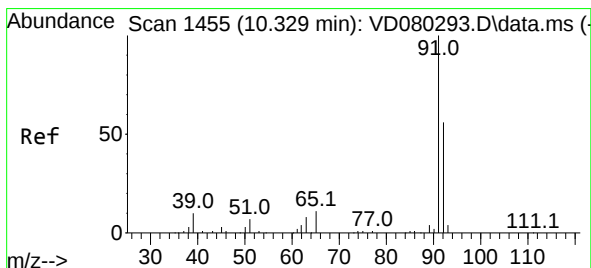
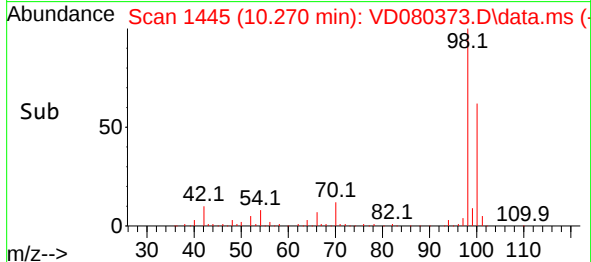
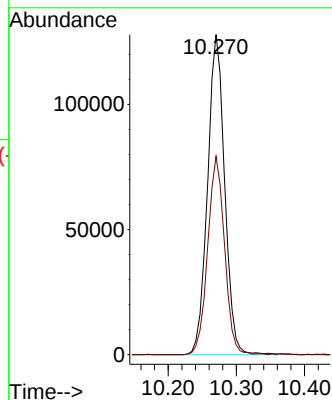
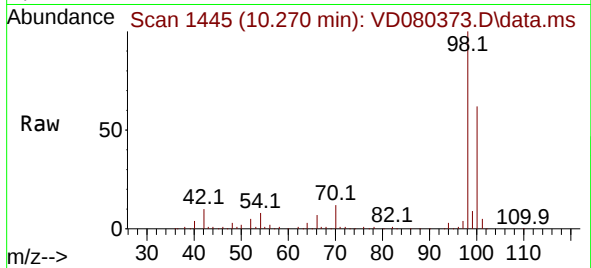




#50
Toluene-d8
Concen: 70.731 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

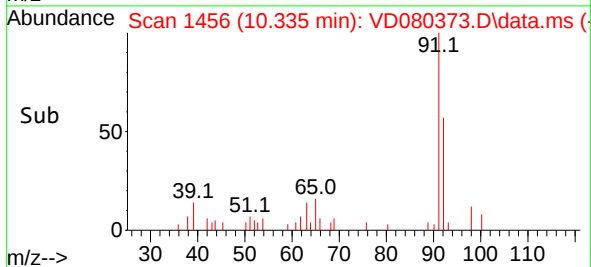
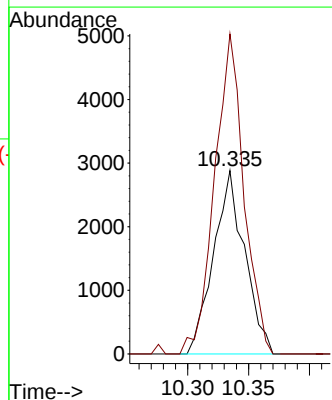
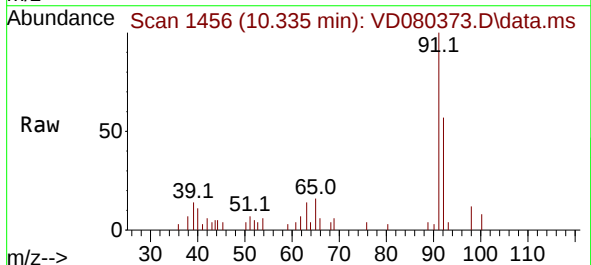
Instrument :
MSVOA_D
ClientSampleId :
GVD11

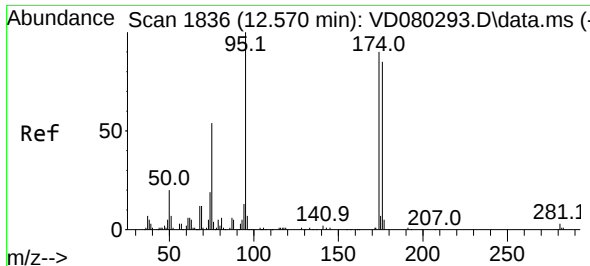
Tgt Ion: 98 Resp: 223553
Ion Ratio Lower Upper
98 100
100 61.0 50.2 75.4



#52
Toluene
Concen: 2.264 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion: 92 Resp: 5124
Ion Ratio Lower Upper
92 100
91 164.8 139.3 208.9

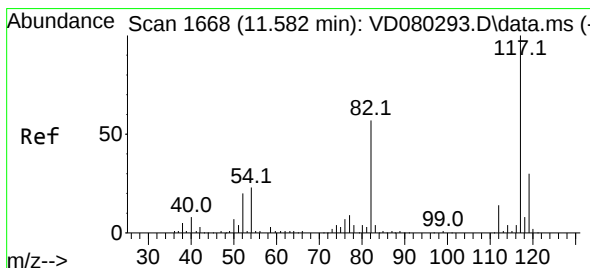
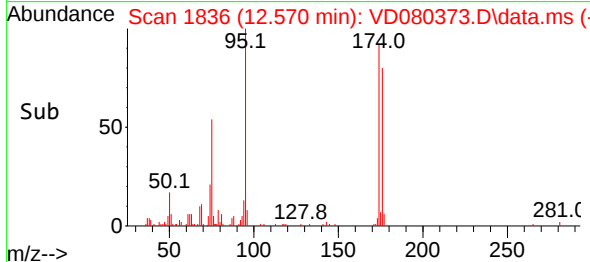
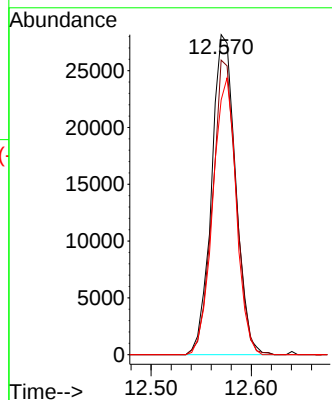
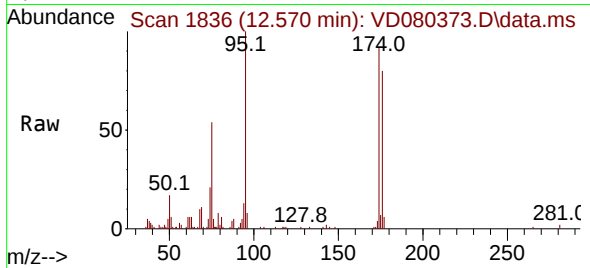




#62
4-Bromofluorobenzene
Concen: 46.375 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

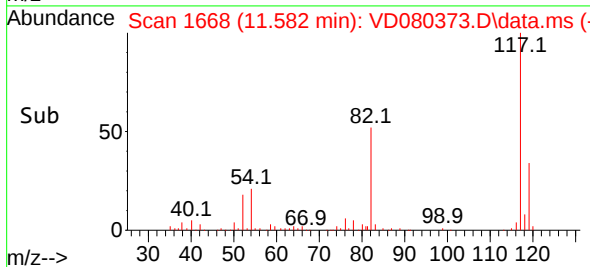
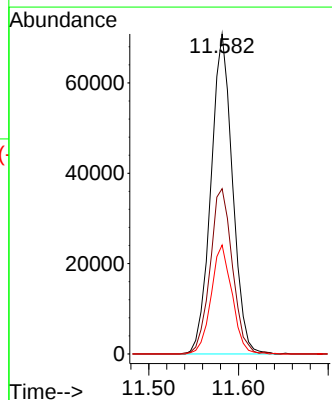
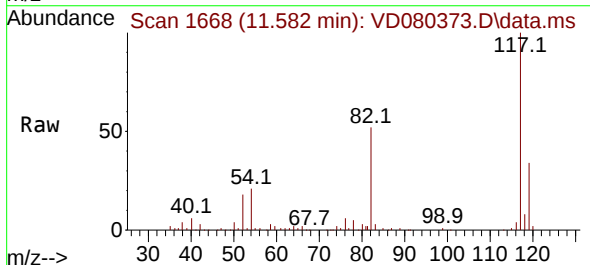
Instrument :
MSVOA_D
ClientSampleId :
GVD11

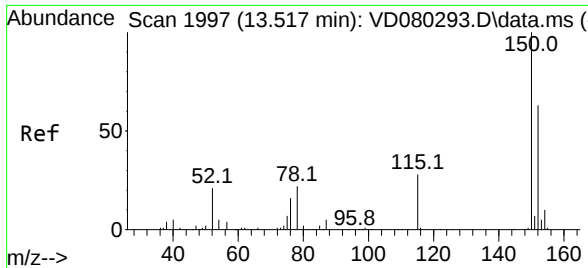
Tgt Ion: 95 Resp: 47045
Ion Ratio Lower Upper
95 100
174 90.2 0.0 173.4
176 84.1 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080373.D
Acq: 16 May 2025 15:59

Tgt Ion: 117 Resp: 118125
Ion Ratio Lower Upper
117 100
82 51.6 45.8 68.6
119 34.1 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: VD080373.D
 Acq: 16 May 2025 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 GVD11

Tgt Ion:152 Resp: 54271
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.9 86.8
 150 155.8 0.0 354.8

