

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
 Data File : VD080330.D
 Acq On : 14 May 2025 18:50
 Operator : RP/MD
 Sample : Q2010-01
 Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-10

Quant Time: May 15 03:38:45 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)

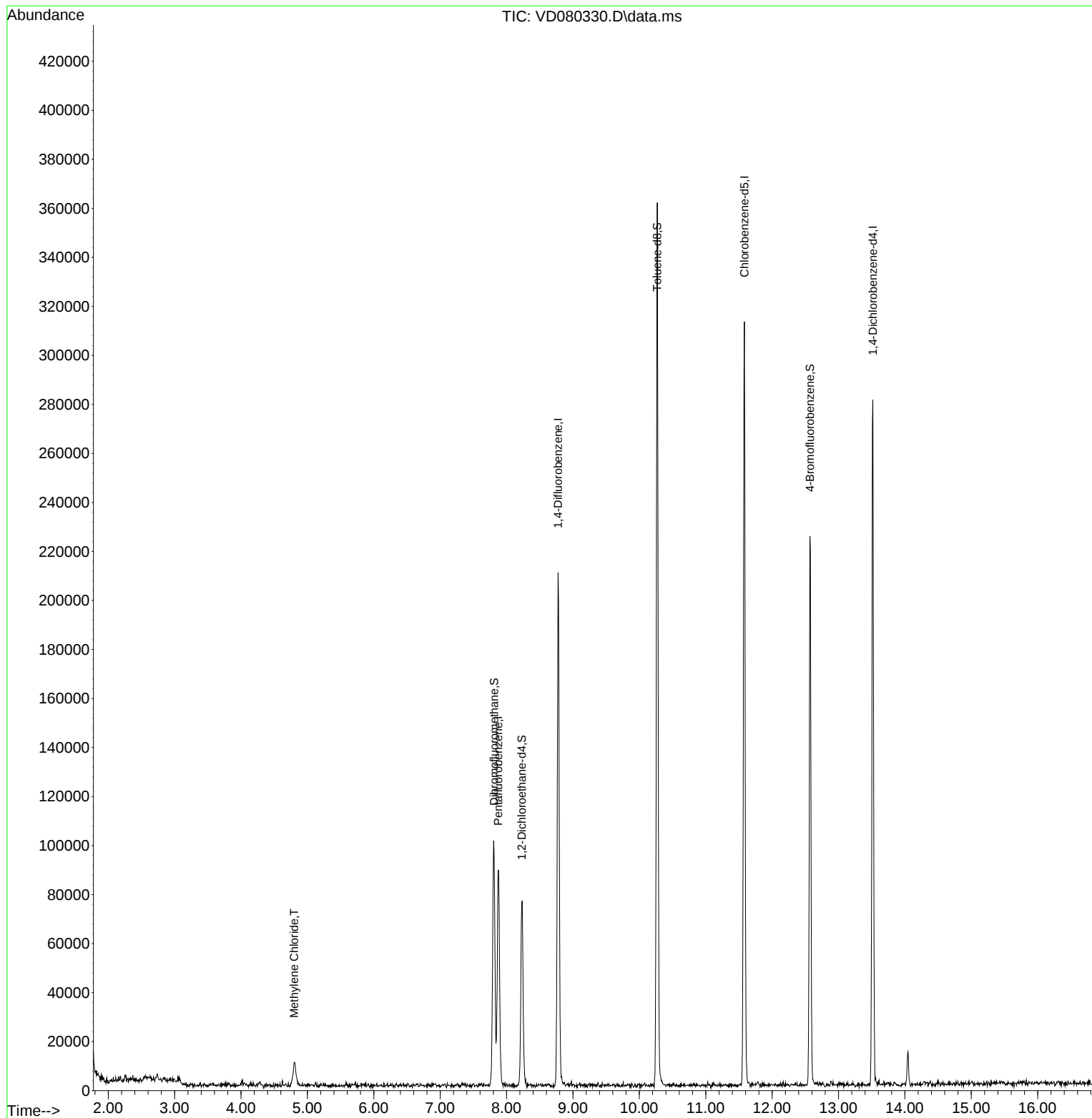
Internal Standards						
1) Pentafluorobenzene	7.876	168	68271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	176652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	76572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	61521	69.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.360%
35) Dibromofluoromethane	7.811	113	70976	60.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.700%
50) Toluene-d8	10.270	98	243453	52.542	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.080%
62) 4-Bromofluorobenzene	12.570	95	66832	44.938	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.880%
Target Compounds						Qvalue
20) Methylene Chloride	4.800	84	6639	3.481	ug/l	93

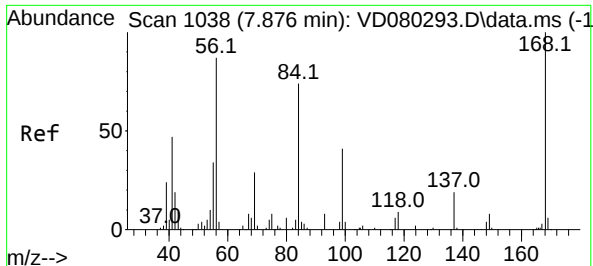
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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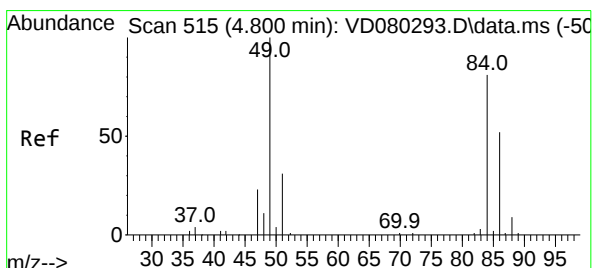
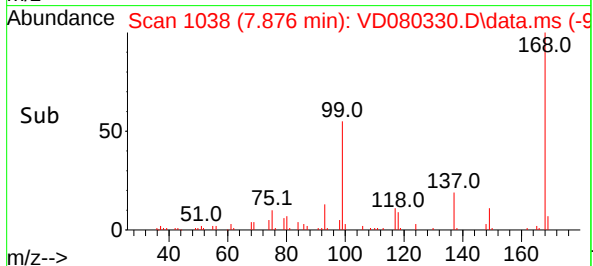
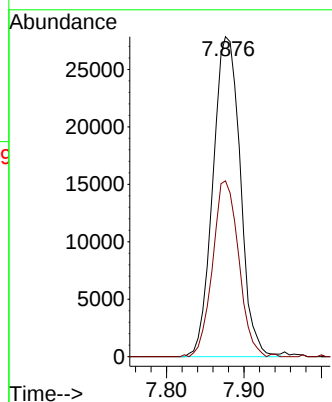
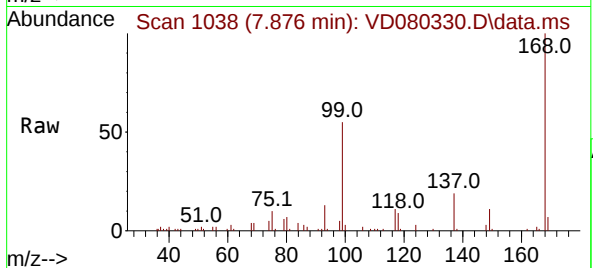




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

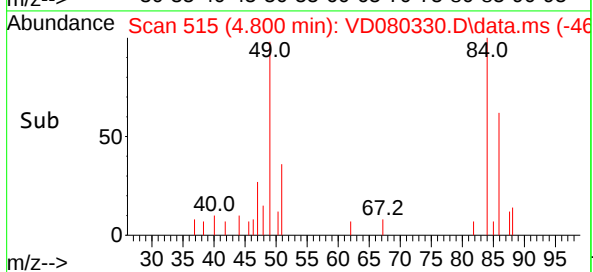
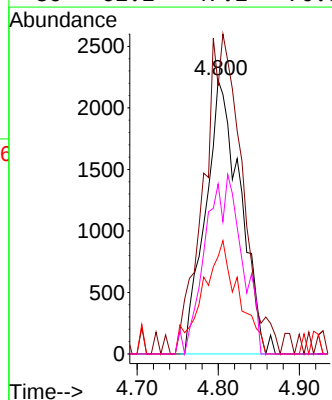
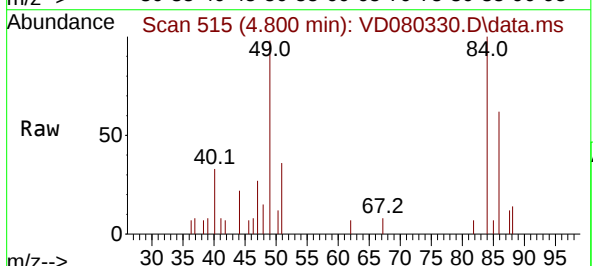
Instrument :
MSVOA_D
ClientSampleId :
TP-10

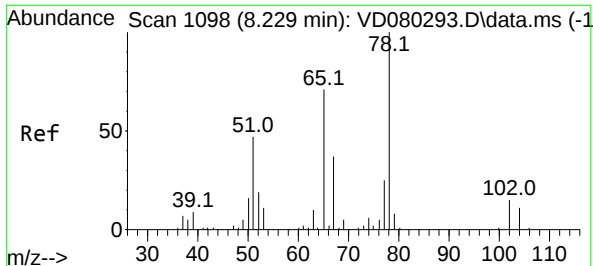
Tgt Ion:168 Resp: 68271
Ion Ratio Lower Upper
168 100
99 55.0 46.0 69.0



#20
Methylene Chloride
Concen: 3.481 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 84 Resp: 6639
Ion Ratio Lower Upper
84 100
49 98.0 86.5 129.7
51 35.6 26.9 40.3
86 62.2 47.2 70.8





#33

1,2-Dichloroethane-d4

Concen: 69.684 ug/l

RT: 8.229 min Scan# 1098

Delta R.T. 0.001 min

Lab File: VD080330.D

Acq: 14 May 2025 18:50

Instrument :

MSVOA_D

ClientSampleId :

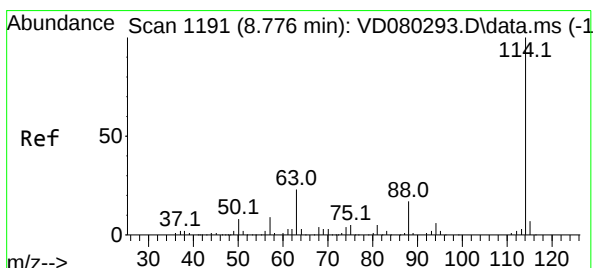
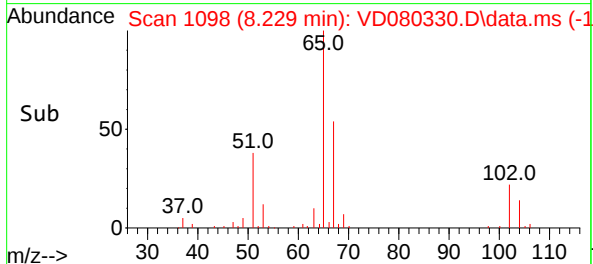
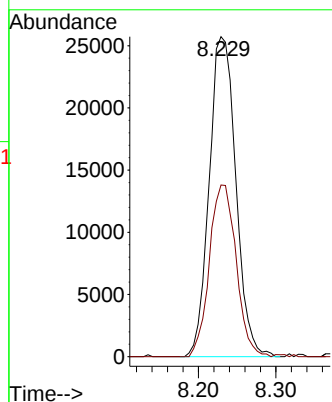
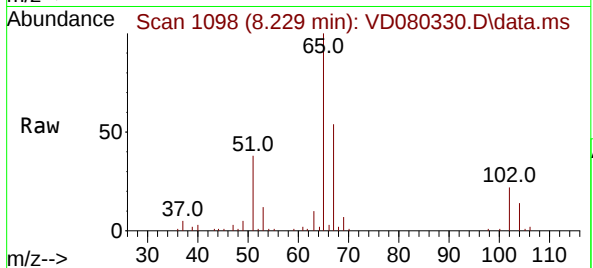
TP-10

Tgt Ion: 65 Resp: 61521

Ion Ratio Lower Upper

65 100

67 53.8 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: VD080330.D

Acq: 14 May 2025 18:50

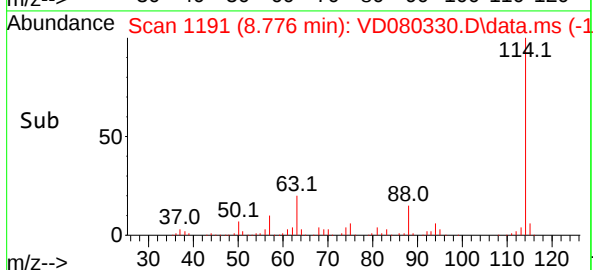
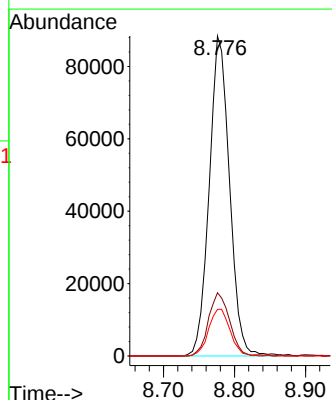
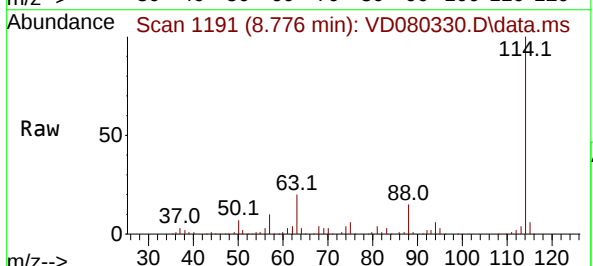
Tgt Ion: 114 Resp: 175457

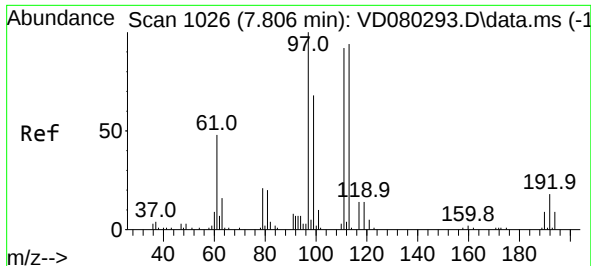
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 14.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 60.355 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080330.D

Acq: 14 May 2025 18:50

Instrument :

MSVOA_D

ClientSampleId :

TP-10

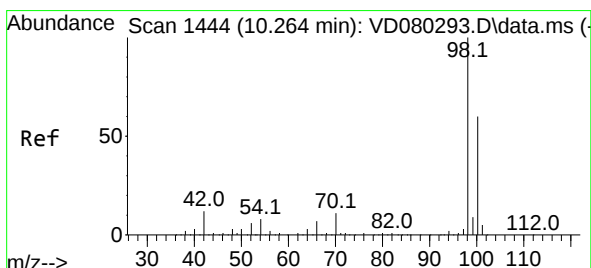
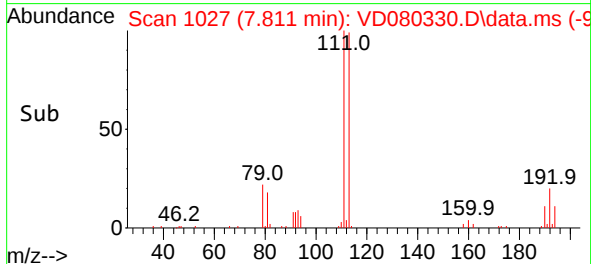
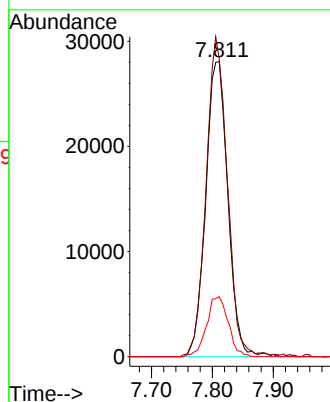
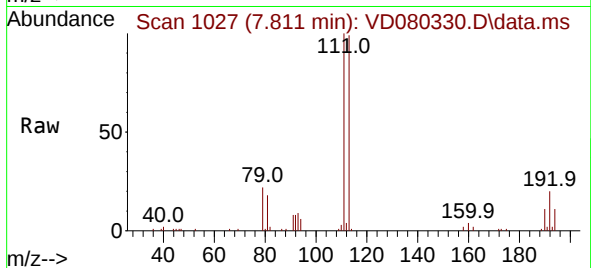
Tgt Ion:113 Resp: 70976

Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 19.9 16.6 25.0



#50

Toluene-d8

Concen: 52.542 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080330.D

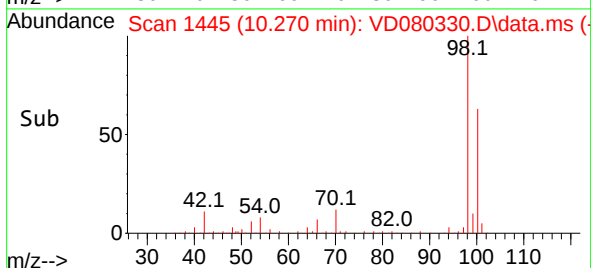
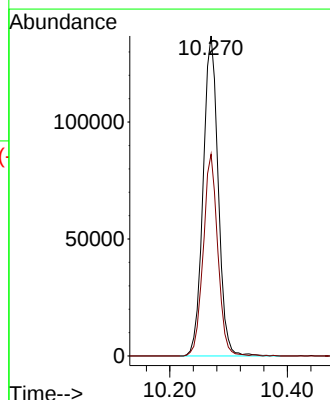
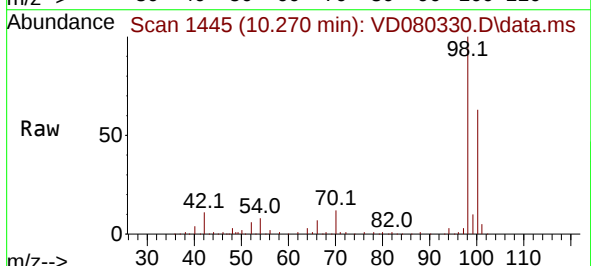
Acq: 14 May 2025 18:50

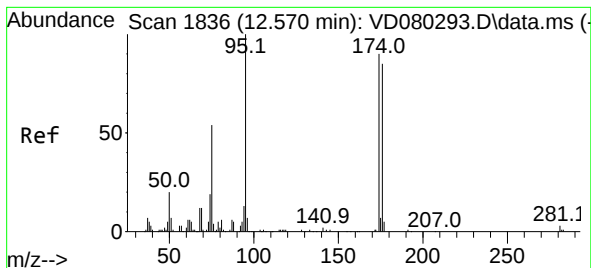
Tgt Ion: 98 Resp: 243453

Ion Ratio Lower Upper

98 100

100 60.7 50.2 75.4

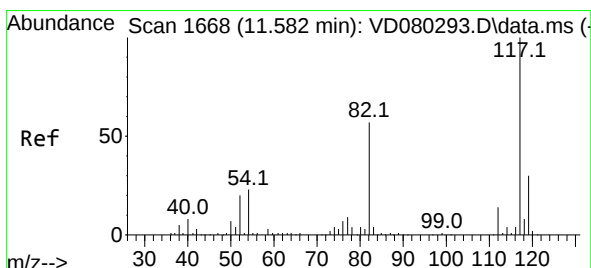
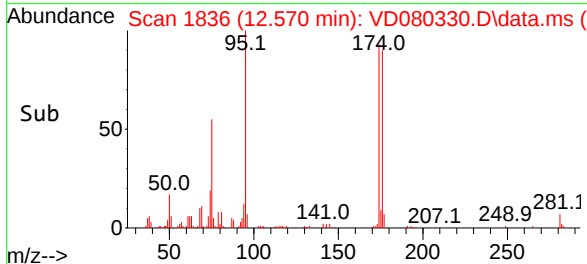
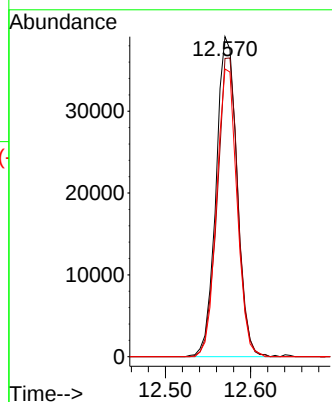
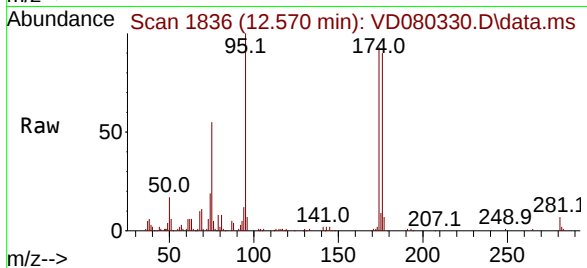




#62
4-Bromofluorobenzene
Concen: 44.938 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

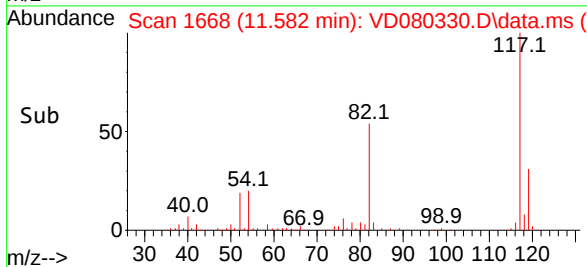
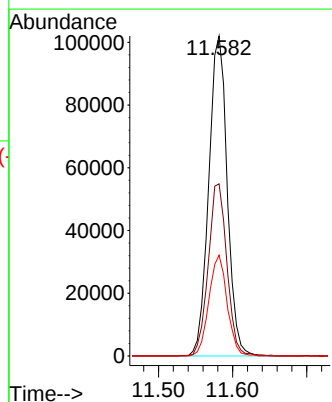
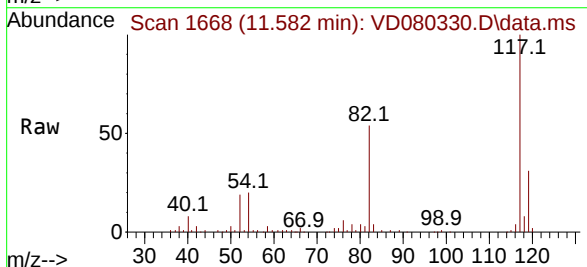
Instrument :
MSVOA_D
ClientSampleId :
TP-10

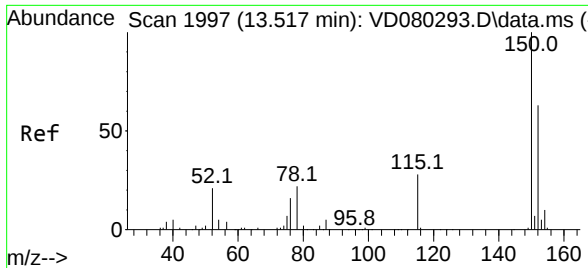
Tgt Ion: 95 Resp: 66832
Ion Ratio Lower Upper
95 100
174 92.1 0.0 173.4
176 87.4 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

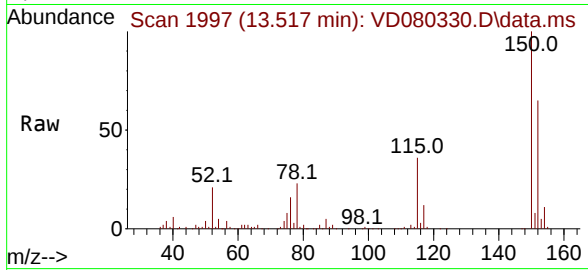
Tgt Ion: 117 Resp: 176652
Ion Ratio Lower Upper
117 100
82 53.8 45.8 68.6
119 31.5 26.2 39.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080330.D
 Acq: 14 May 2025 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-10



Tgt Ion:152 Resp: 76572

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.9	86.8
150	154.8	0.0	354.8

