

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053025\
 Data File : VD080400.D
 Acq On : 30 May 2025 11:35
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: May 31 00:44:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D053025S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 31 00:36:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.876	168	251065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	603831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	598174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	242402	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	214191	68.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.660%
35) Dibromofluoromethane	7.805	113	206212	52.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.080%
50) Toluene-d8	10.270	98	864547	54.749	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.500%
62) 4-Bromofluorobenzene	12.570	95	215847	44.655	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.320%

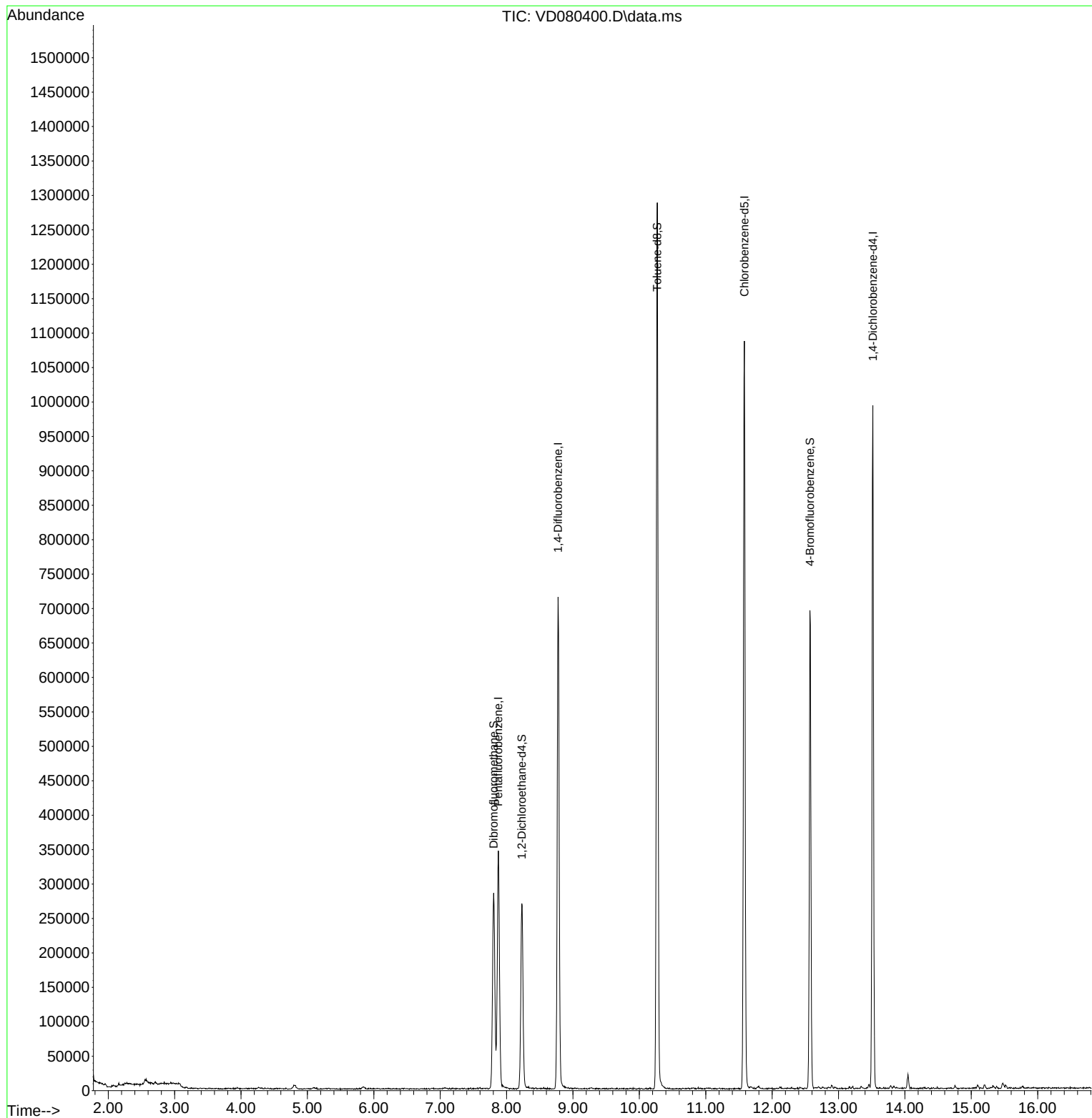
Target Compounds	Qvalue

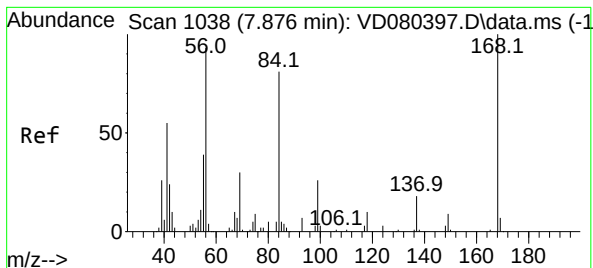
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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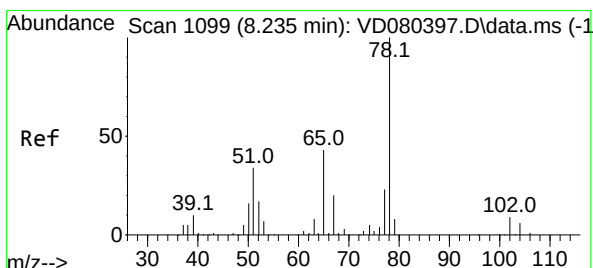
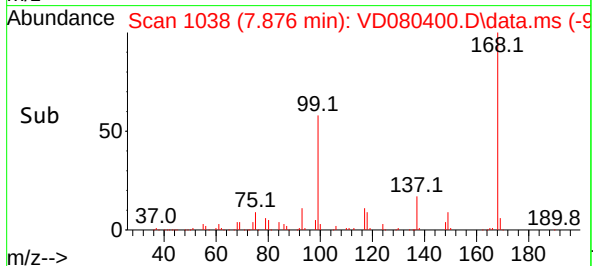
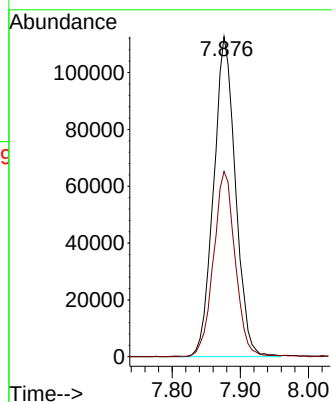
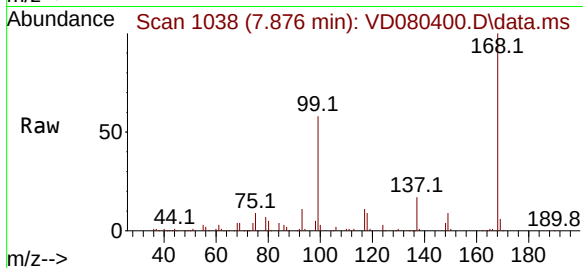




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

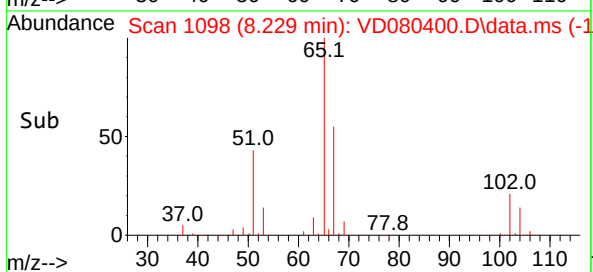
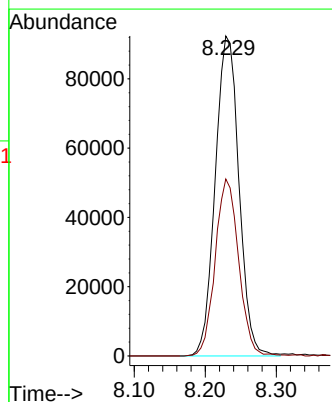
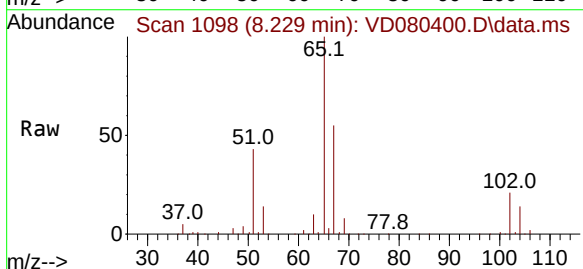
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

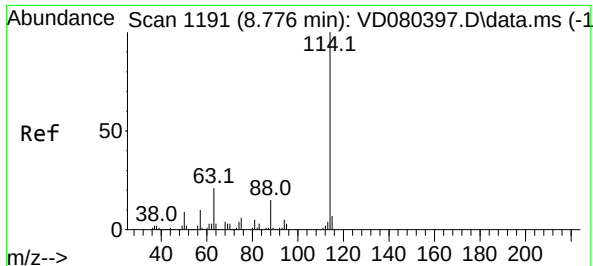
Tgt Ion:168 Resp: 251065
Ion Ratio Lower Upper
168 100
99 57.7 47.5 71.3



#33
1,2-Dichloroethane-d4
Concen: 68.328 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. -0.006 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion: 65 Resp: 214191
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VD080400.D

Acq: 30 May 2025 11:35

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

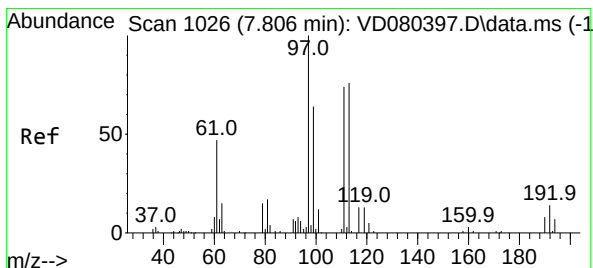
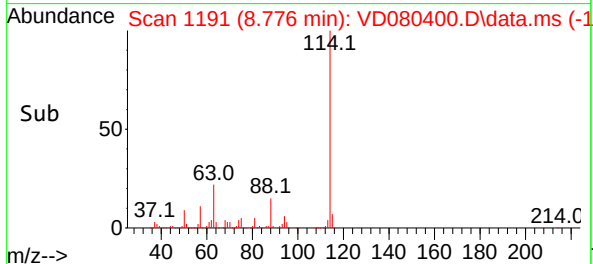
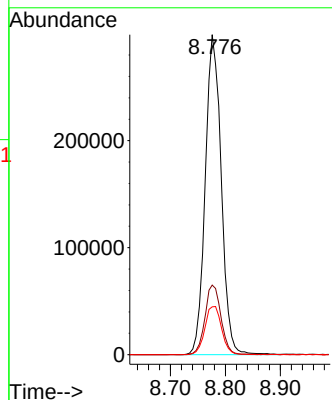
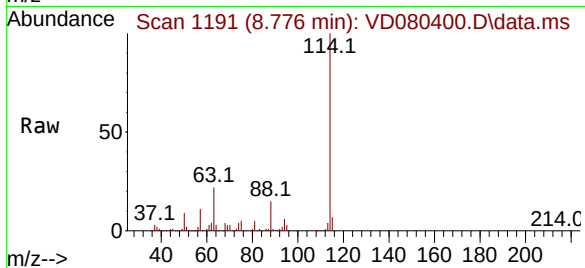
Tgt Ion:114 Resp: 603831

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 15.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.542 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VD080400.D

Acq: 30 May 2025 11:35

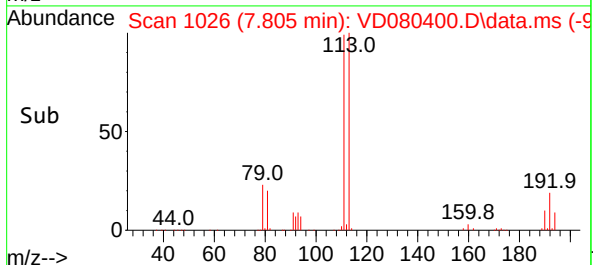
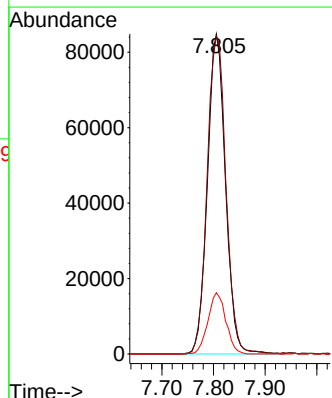
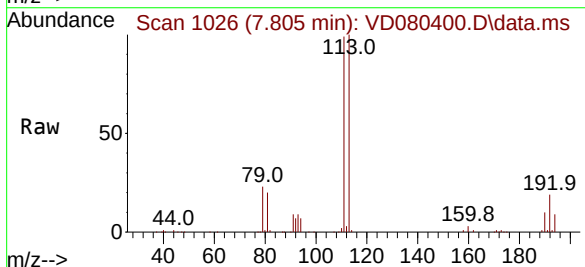
Tgt Ion:113 Resp: 206212

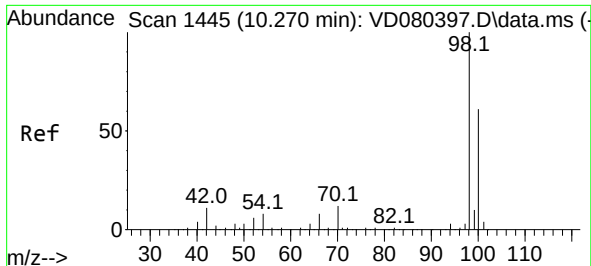
Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

192 19.0 16.1 24.1

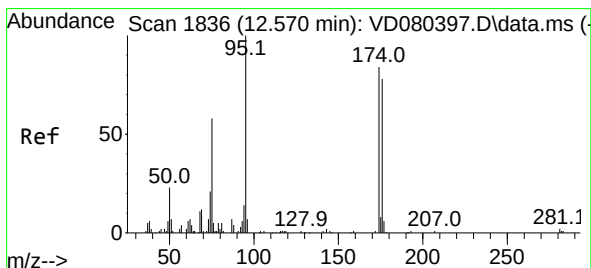
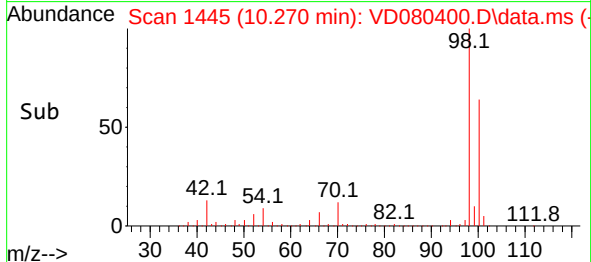
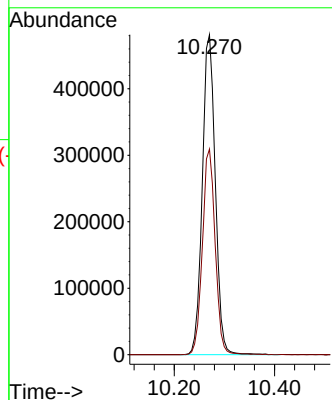
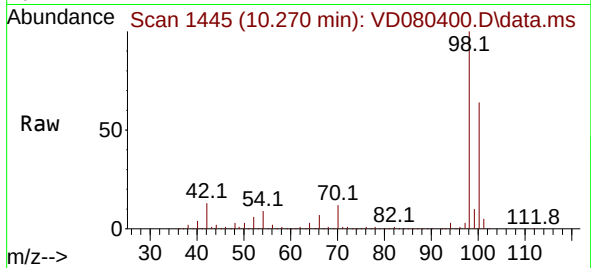




#50
Toluene-d8
Concen: 54.749 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

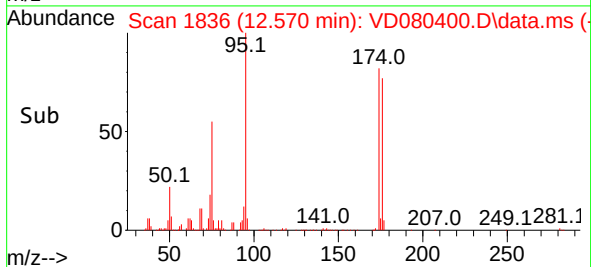
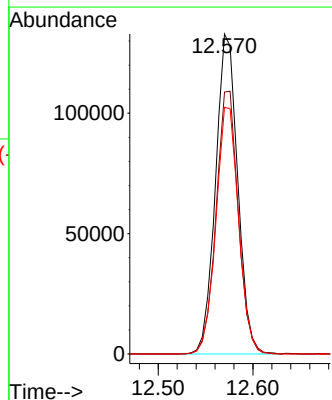
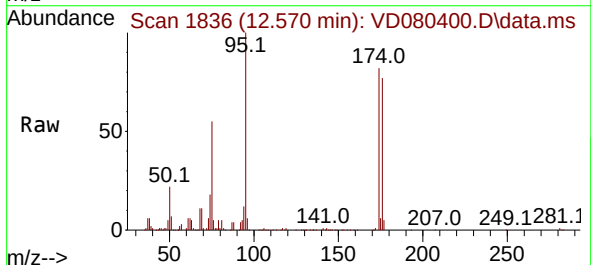
Instrument :
MSVOA_D
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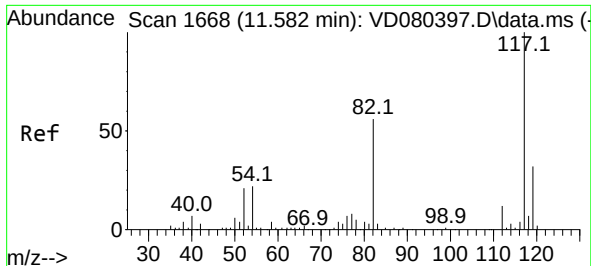
Tgt Ion: 98 Resp: 864547
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.655 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion: 95 Resp: 215847
Ion Ratio Lower Upper
95 100
174 82.5 0.0 164.8
176 78.8 0.0 158.4

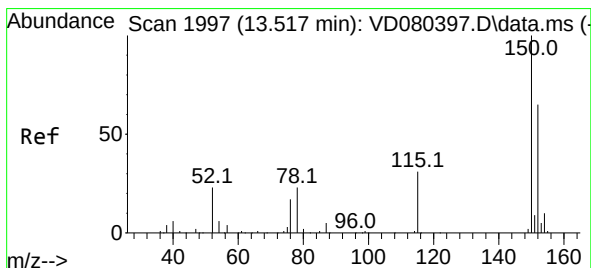
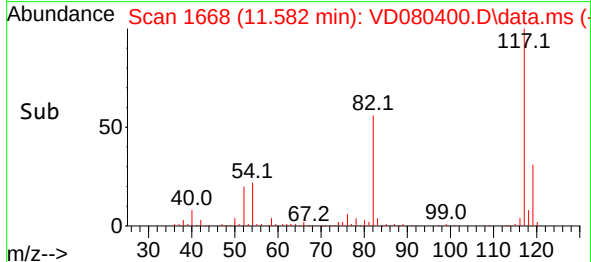
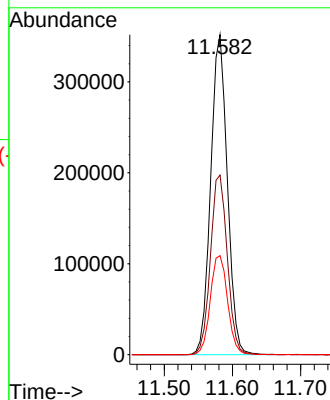
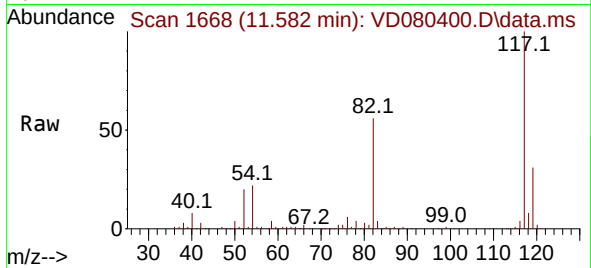




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 598174
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 30.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080400.D
Acq: 30 May 2025 11:35

Tgt Ion:152 Resp: 242402
Ion Ratio Lower Upper
152 100
115 59.2 30.1 90.5
150 158.1 0.0 350.6

