

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039254.D
 Acq On : 03 Oct 2025 16:56
 Operator : SY/MD
 Sample : Q3254-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-3

Quant Time: Oct 04 01:13:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	448224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	801027	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	823576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	400173	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	378692	58.376	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	116.760%
35) Dibromofluoromethane	4.503	113	363392	56.431	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	112.860%
50) Toluene-d8	7.239	98	854565	45.183	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.360%
62) 4-Bromofluorobenzene	10.001	95	352316	45.250	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	90.500%

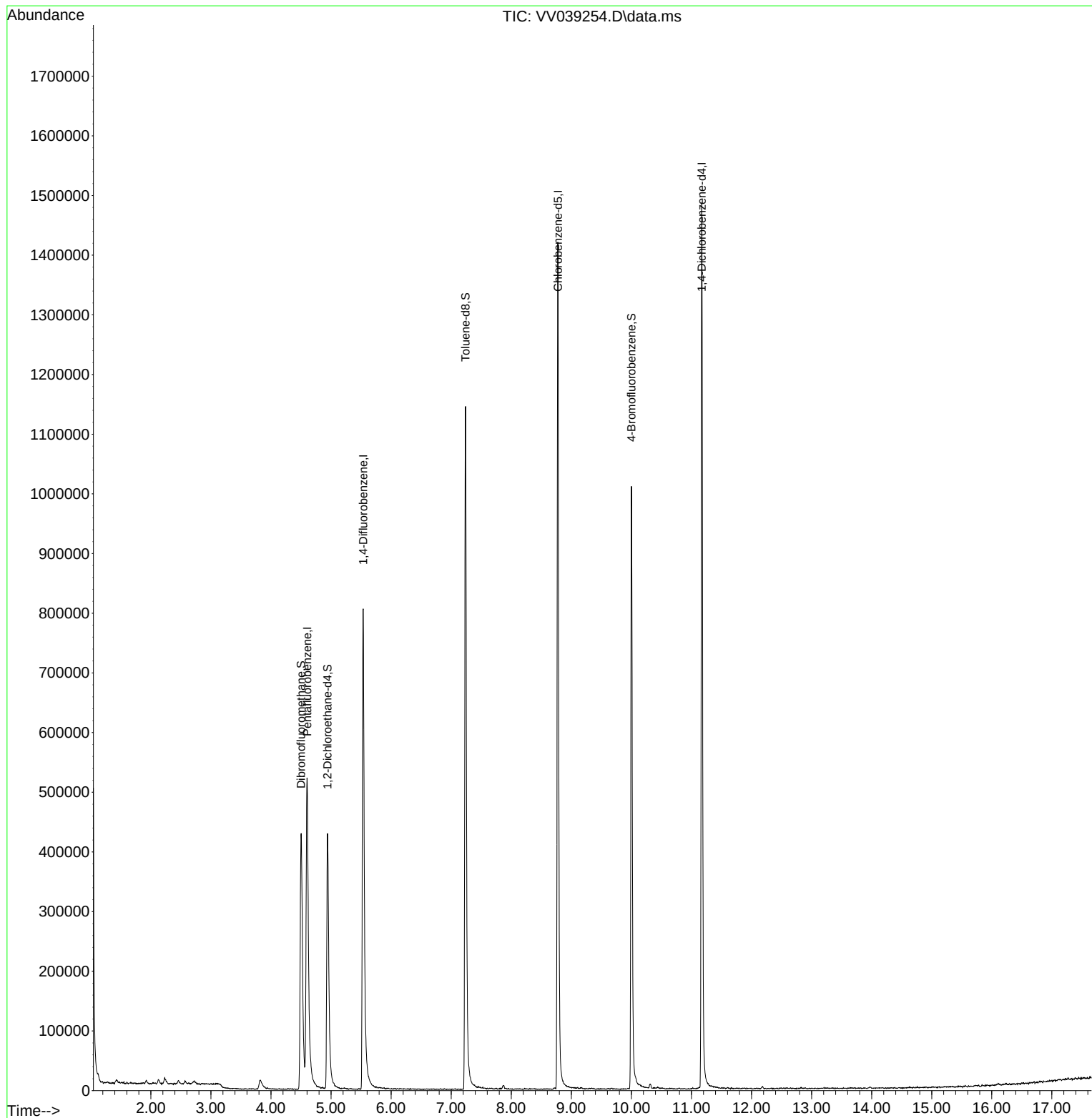
Target Compounds	Qvalue

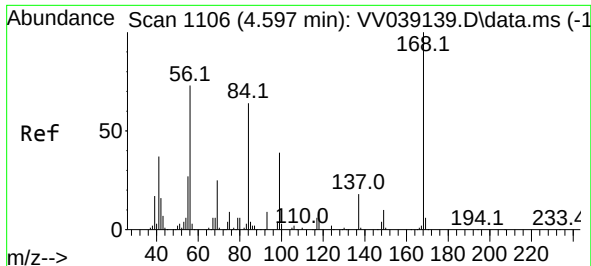
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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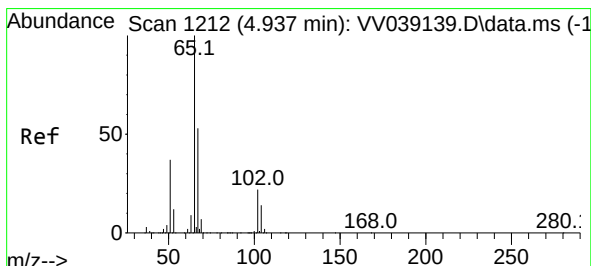
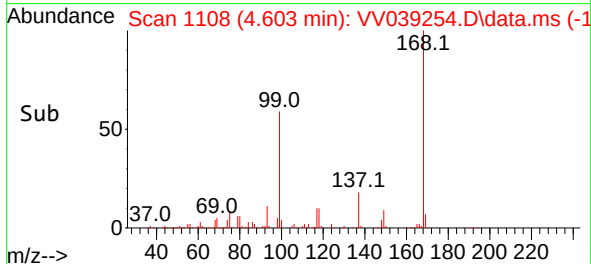
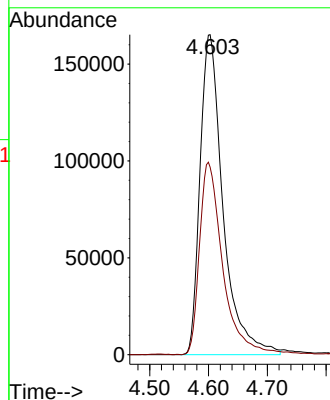
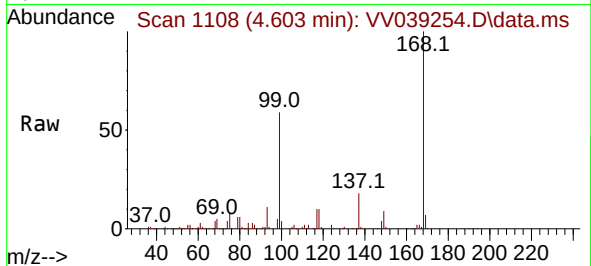




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

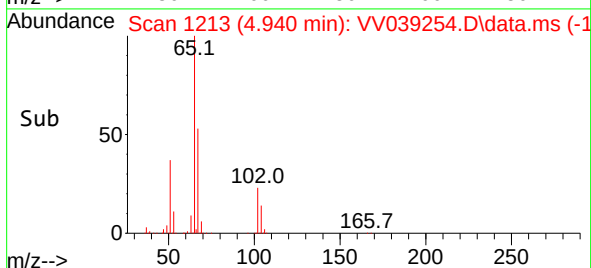
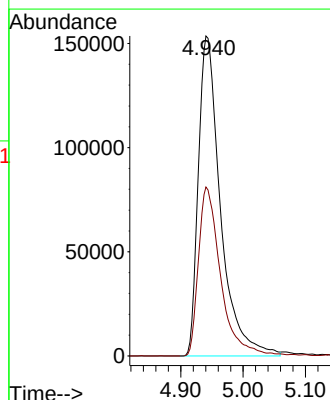
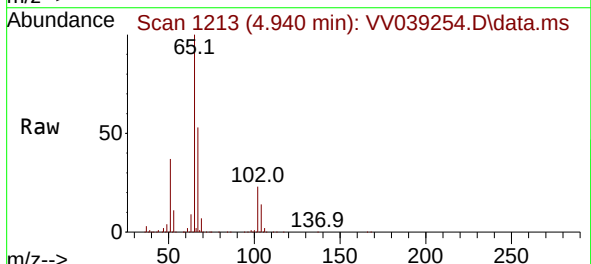
Instrument :
MSVOA_V
ClientSampleId :
MW-3

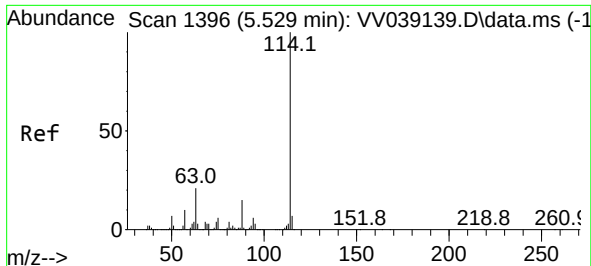
Tgt Ion:168 Resp: 448224
Ion Ratio Lower Upper
168 100
99 58.5 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 58.376 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

Tgt Ion: 65 Resp: 378692
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.0

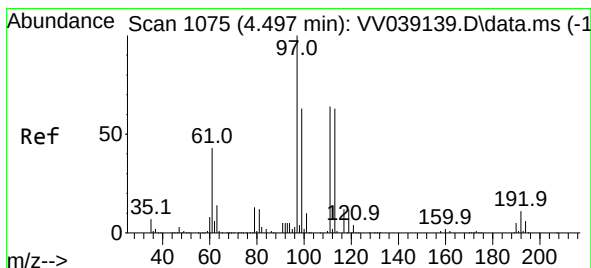
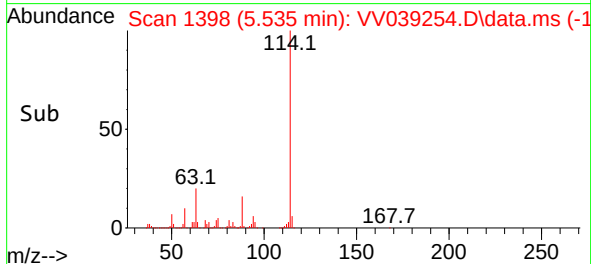
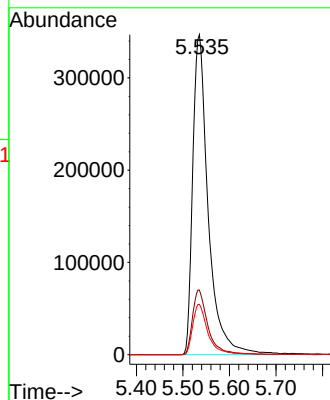
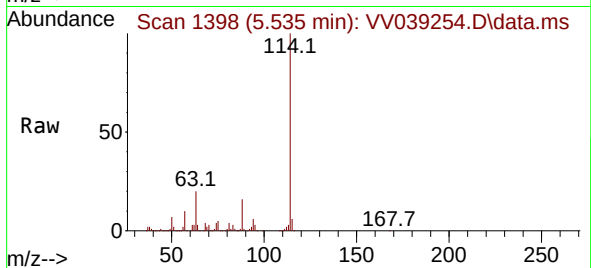




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

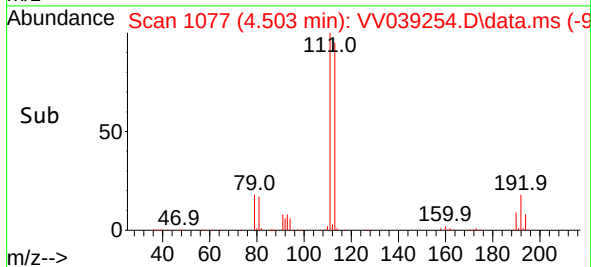
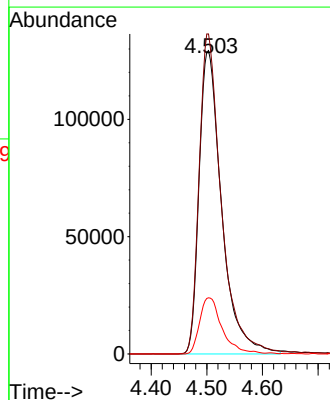
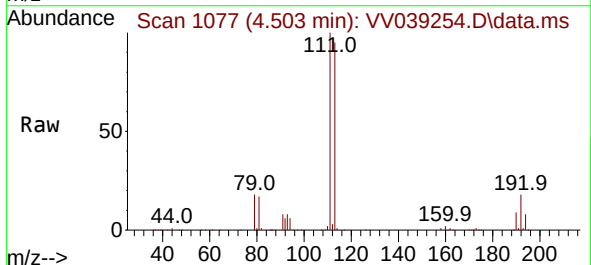
Instrument :
MSVOA_V
ClientSampleId :
MW-3

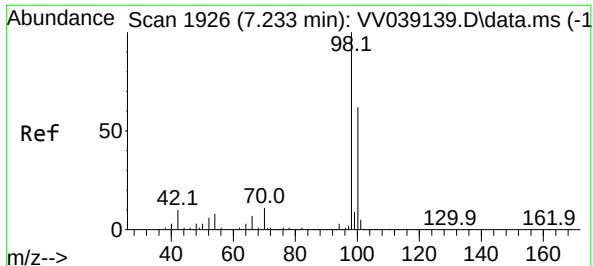
Tgt Ion:114 Resp: 801027
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 15.8 0.0 30.8



#35
Dibromofluoromethane
Concen: 56.431 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

Tgt Ion:113 Resp: 363392
Ion Ratio Lower Upper
113 100
111 103.7 82.4 123.6
192 18.4 13.8 20.8

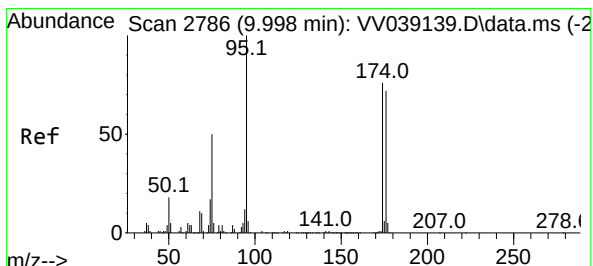
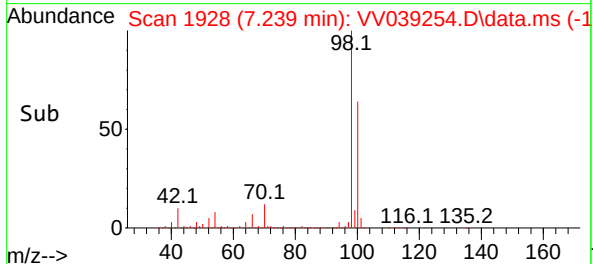
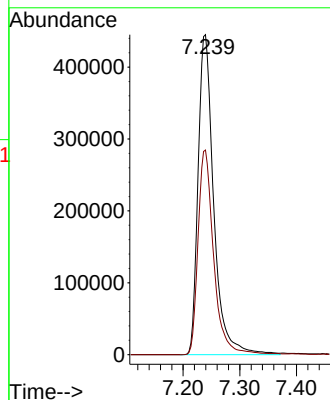
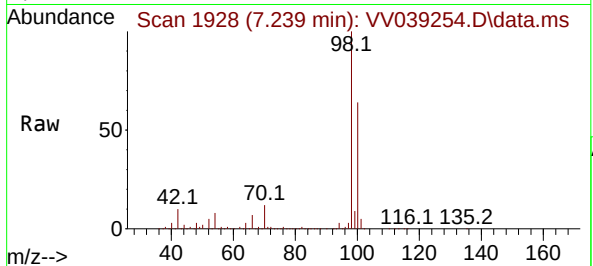




#50
Toluene-d8
Concen: 45.183 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

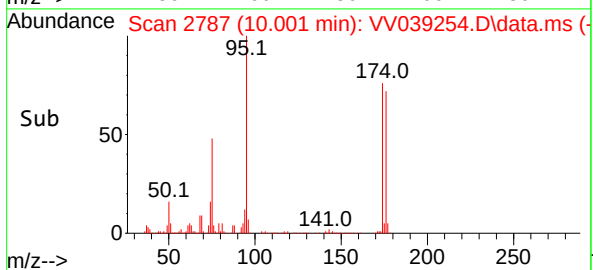
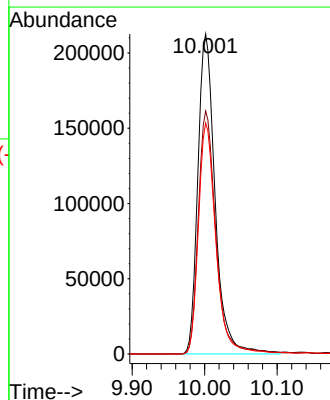
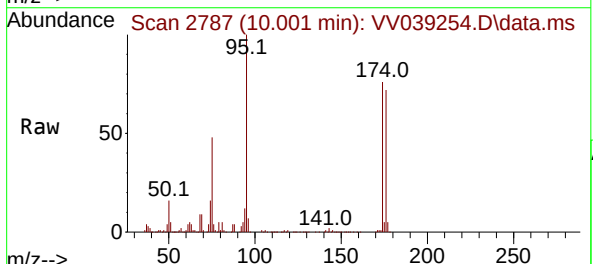
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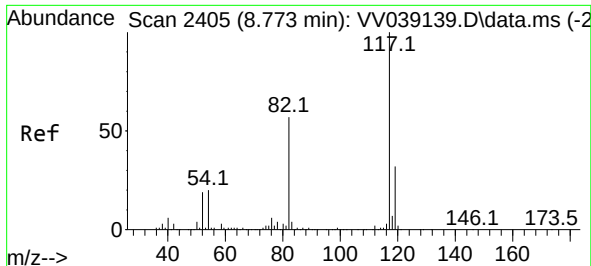
Tgt Ion: 98 Resp: 854565
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.250 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

Tgt Ion: 95 Resp: 352316
Ion Ratio Lower Upper
95 100
174 77.3 0.0 150.4
176 72.7 0.0 144.2

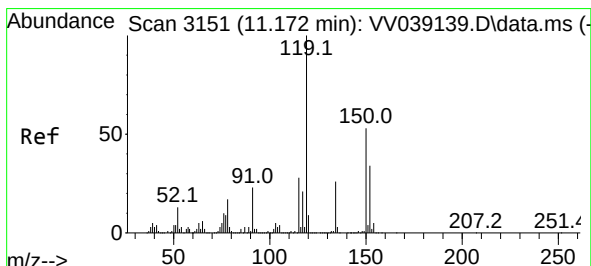
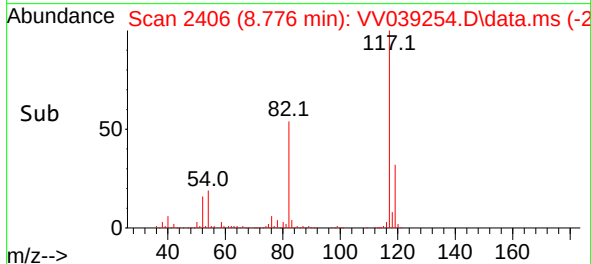
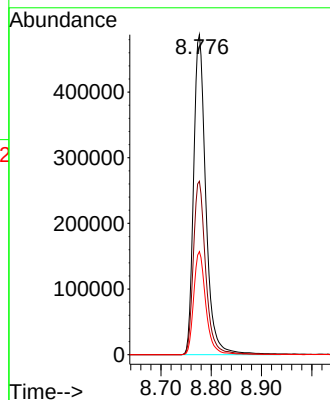
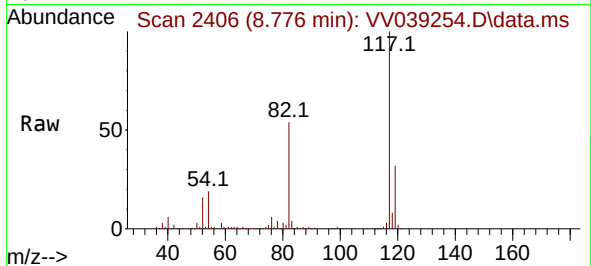




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:117 Resp: 823576
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.2
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039254.D
Acq: 03 Oct 2025 16:56

Tgt Ion:152 Resp: 400173
Ion Ratio Lower Upper
152 100
115 61.9 44.8 134.4
150 157.1 0.0 353.8

