

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039252.D
 Acq On : 03 Oct 2025 16:11
 Operator : SY/MD
 Sample : Q3254-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-1

Quant Time: Oct 04 01:12:54 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	361761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	619136	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	640562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	308059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	311732	59.539	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	119.080%#
35) Dibromofluoromethane	4.503	113	292587	58.784	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	117.560%
50) Toluene-d8	7.240	98	669176	45.776	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.560%
62) 4-Bromofluorobenzene	10.002	95	271111	45.050	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	90.100%

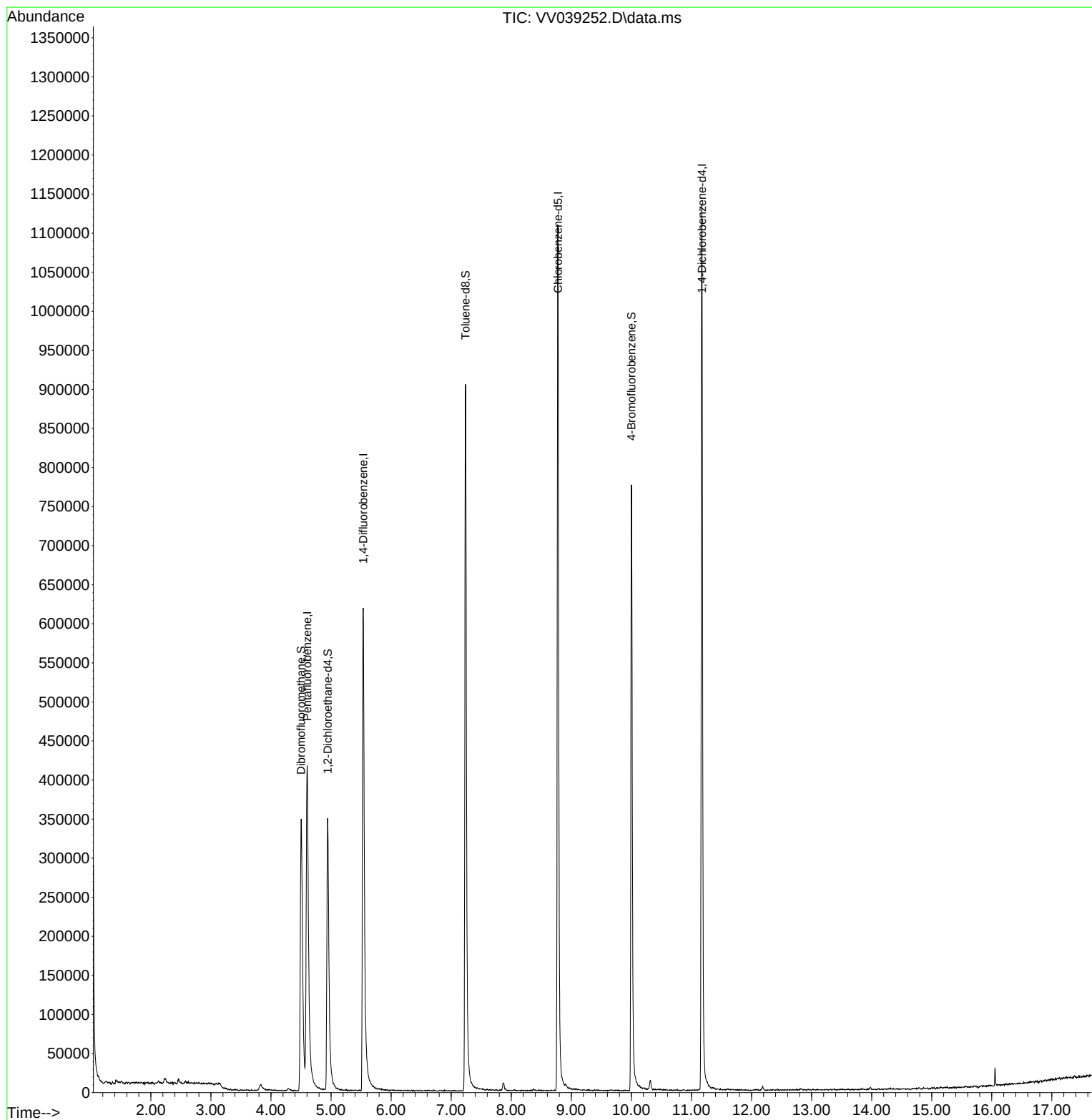
Target Compounds	Qvalue

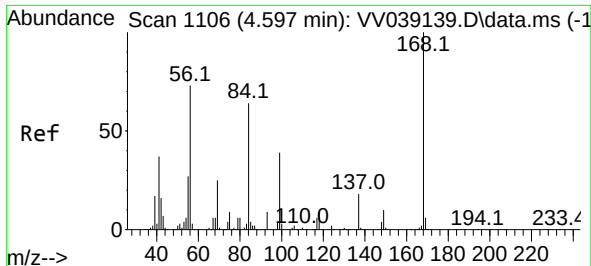
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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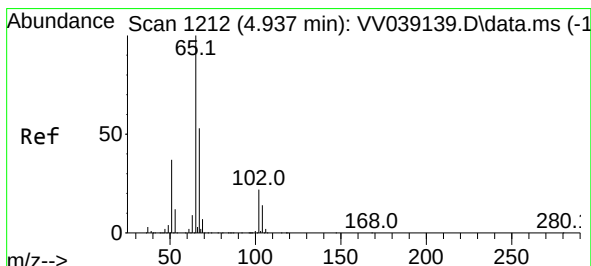
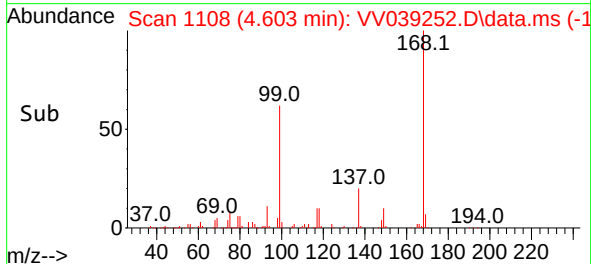
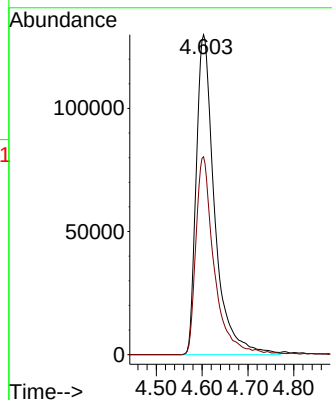
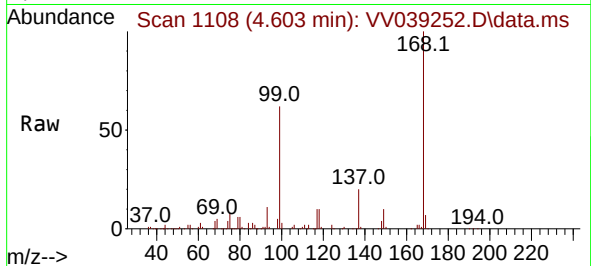




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039252.D
Acq: 03 Oct 2025 16:11

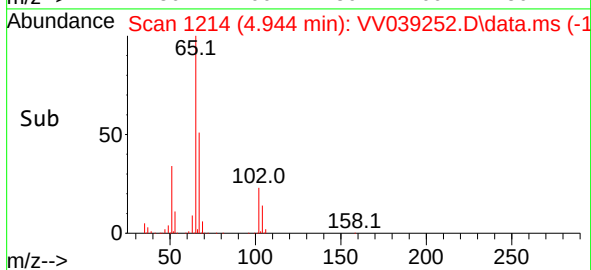
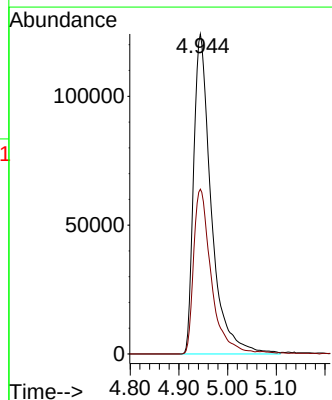
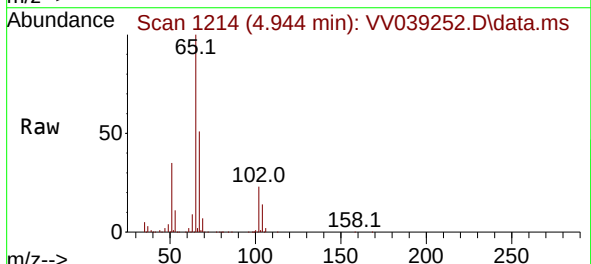
Instrument :
MSVOA_V
ClientSampleId :
MW-1

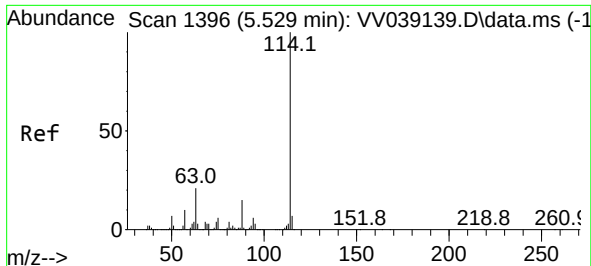
Tgt Ion:168 Resp: 361761
Ion Ratio Lower Upper
168 100
99 61.8 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 59.539 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039252.D
Acq: 03 Oct 2025 16:11

Tgt Ion: 65 Resp: 311732
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.0

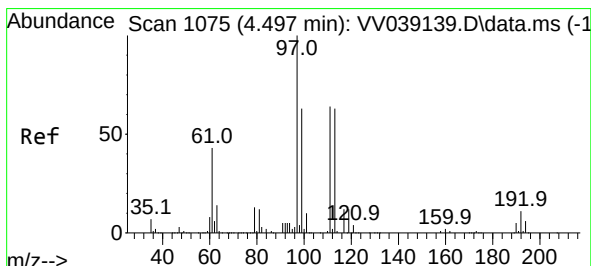
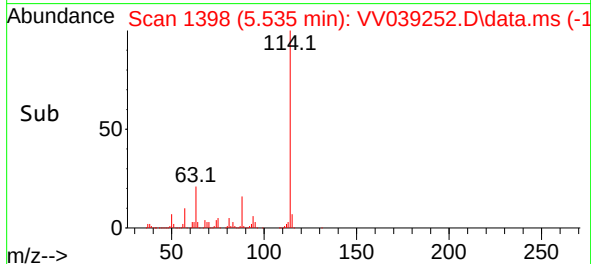
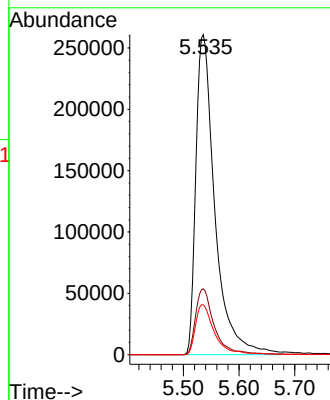
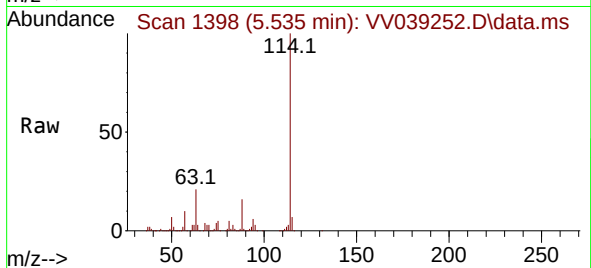




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039252.D
Acq: 03 Oct 2025 16:11

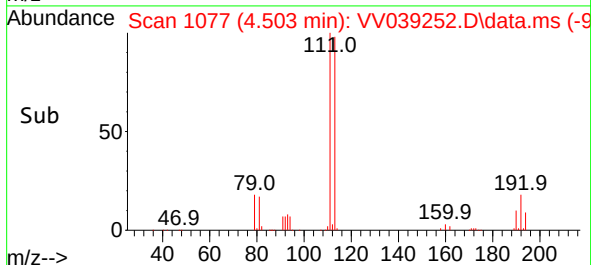
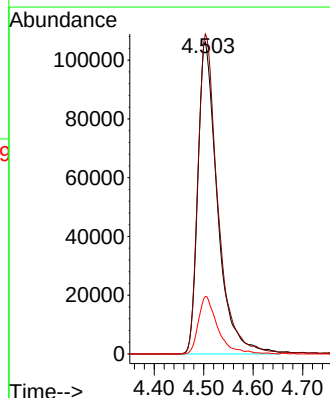
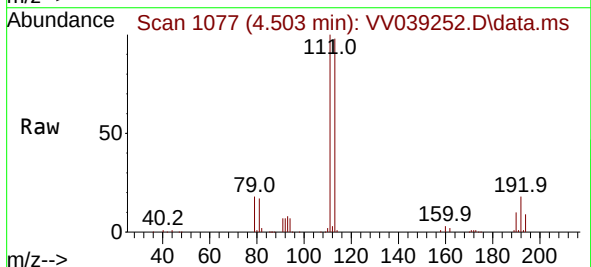
Instrument :
MSVOA_V
ClientSampleId :
MW-1

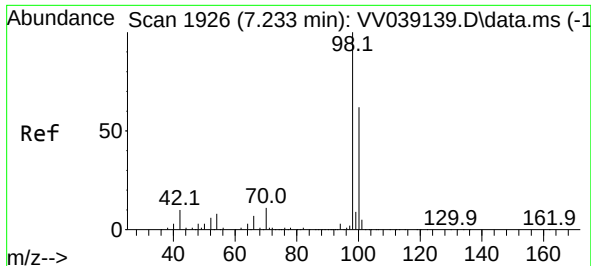
Tgt Ion:	114	Resp:	619136
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.6
88	15.6	0.0	30.8



#35
Dibromofluoromethane
Concen: 58.784 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VV039252.D
Acq: 03 Oct 2025 16:11

Tgt Ion:	113	Resp:	292587
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.4	123.6
192	17.8	13.8	20.8





#50

Toluene-d8

Concen: 45.776 ug/l

RT: 7.240 min Scan# 1926

Delta R.T. 0.006 min

Lab File: VV039252.D

Acq: 03 Oct 2025 16:11

Instrument :

MSVOA_V

ClientSampleId :

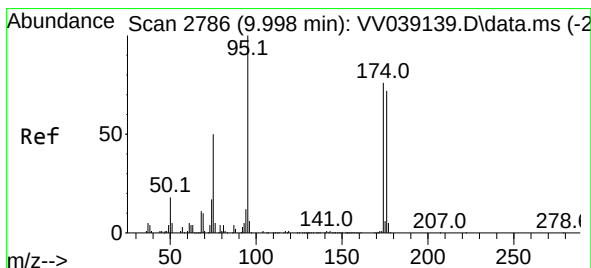
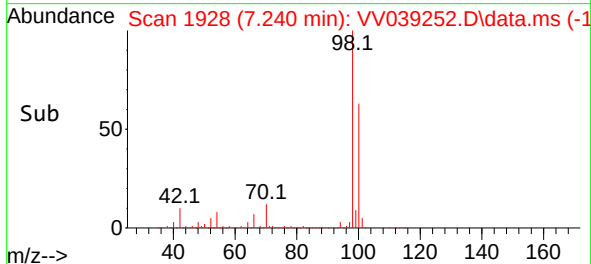
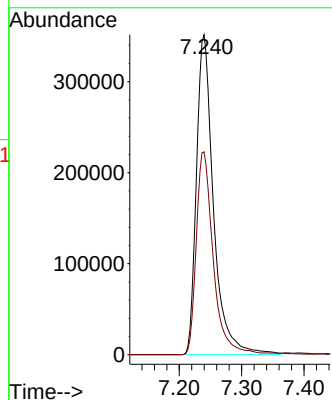
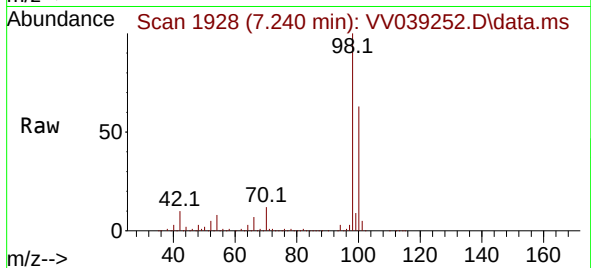
MW-1

Tgt Ion: 98 Resp: 669176

Ion Ratio Lower Upper

98 100

100 62.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.050 ug/l

RT: 10.002 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039252.D

Acq: 03 Oct 2025 16:11

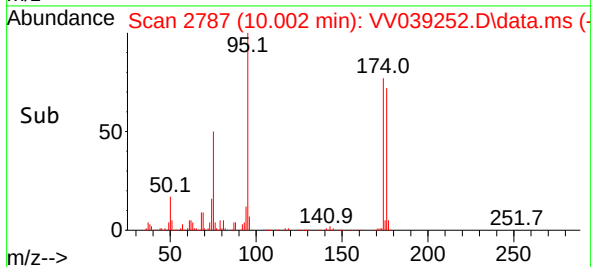
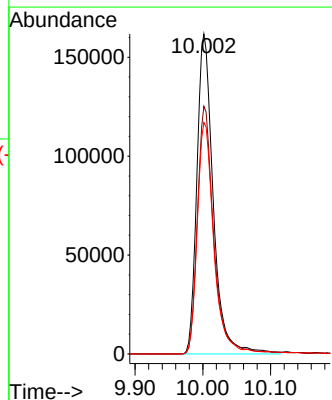
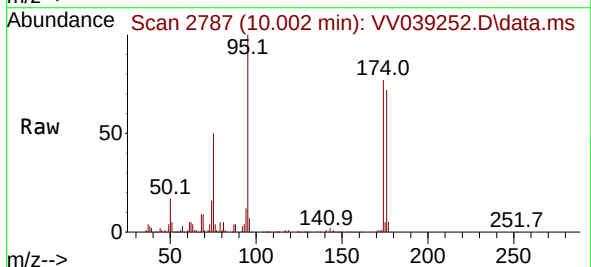
Tgt Ion: 95 Resp: 271111

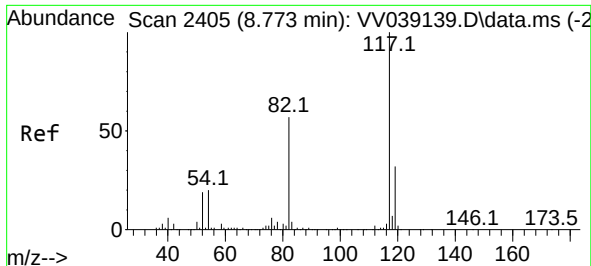
Ion Ratio Lower Upper

95 100

174 77.7 0.0 150.4

176 72.0 0.0 144.2

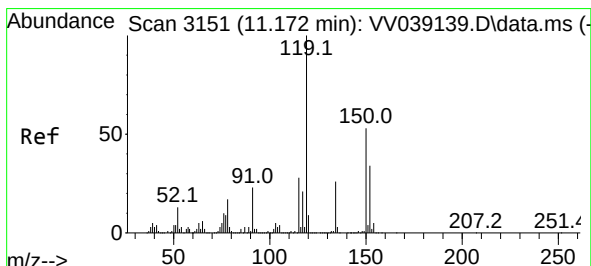
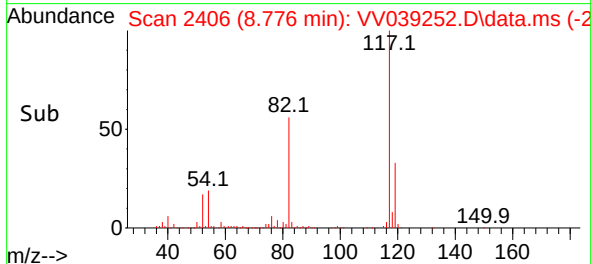
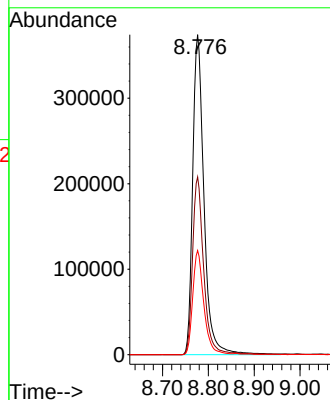
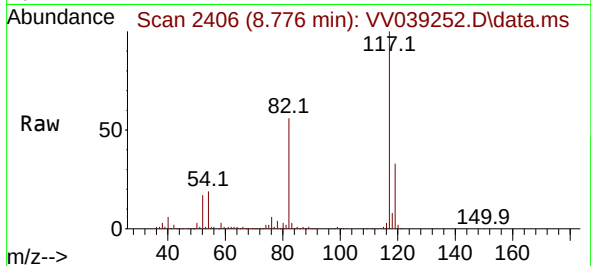




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039252.D
Acq: 03 Oct 2025 16:11

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 640562
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.2
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039252.D
Acq: 03 Oct 2025 16:11

Tgt Ion:152 Resp: 308059
Ion Ratio Lower Upper
152 100
115 62.6 44.8 134.4
150 158.8 0.0 353.8

