

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039253.D
 Acq On : 03 Oct 2025 16:34
 Operator : SY/MD
 Sample : Q3254-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2

Quant Time: Oct 04 01:13:21 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)

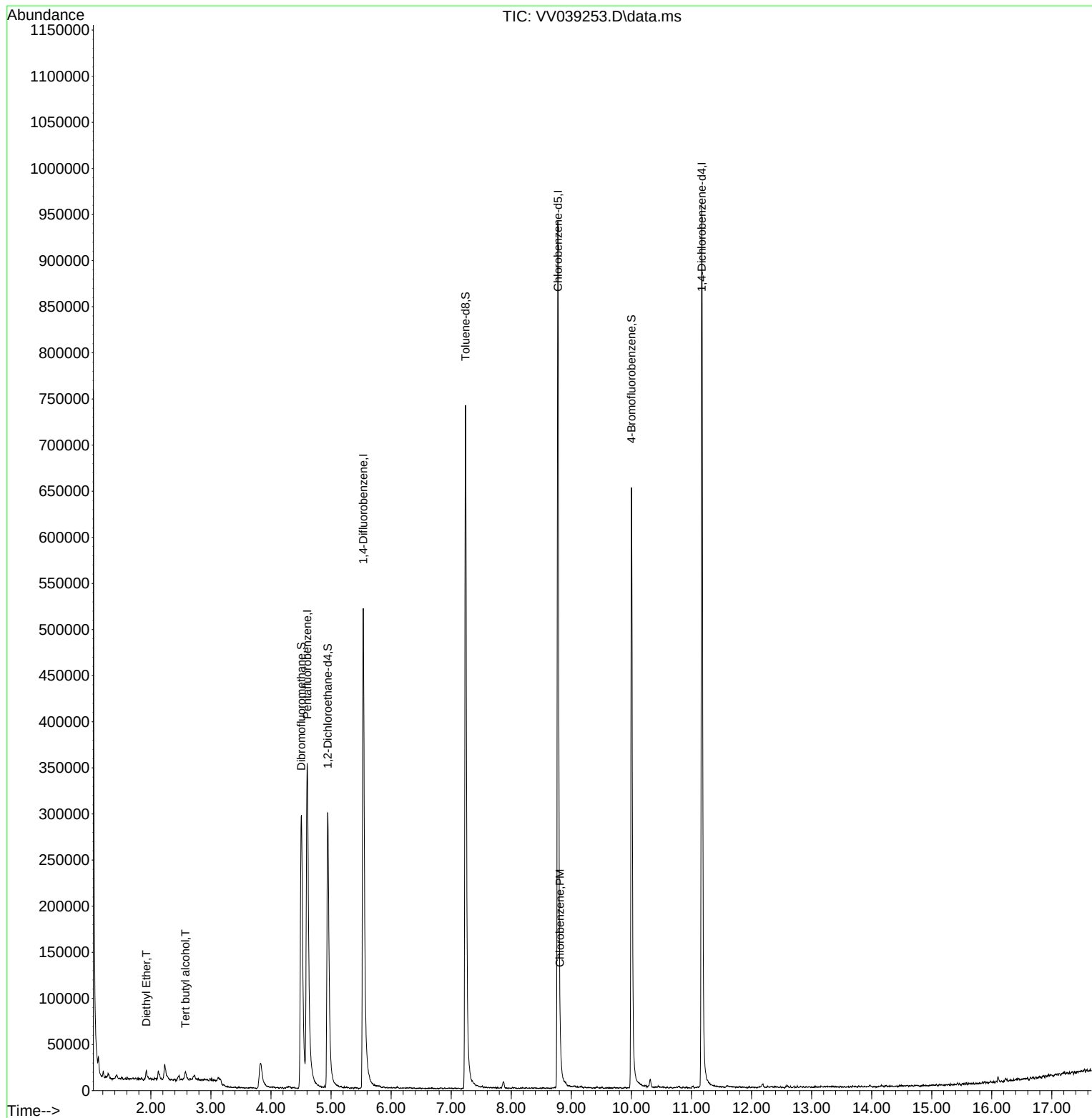
Internal Standards						
1) Pentafluorobenzene	4.603	168	308662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	515390	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	544820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	261173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	262159	58.685	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	117.360%
35) Dibromofluoromethane	4.506	113	254272	61.369	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	122.740%#
50) Toluene-d8	7.239	98	568796	46.741	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	93.480%
62) 4-Bromofluorobenzene	10.001	95	231239	46.159	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	92.320%
Target Compounds						
						Qvalue
8) Diethyl Ether	1.928	74	4207	1.394	ug/l	80
11) Tert butyl alcohol	2.574	59	8213	8.699	ug/l	97
65) Chlorobenzene	8.812	112	14731	0.971	ug/l	98

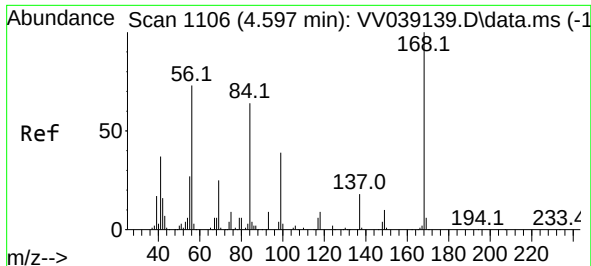
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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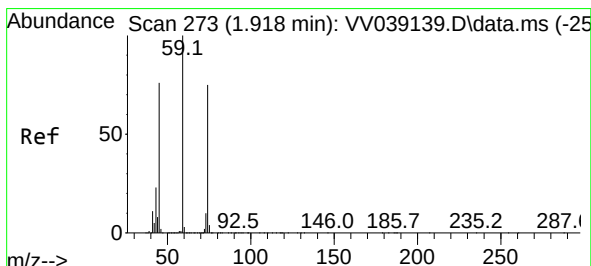
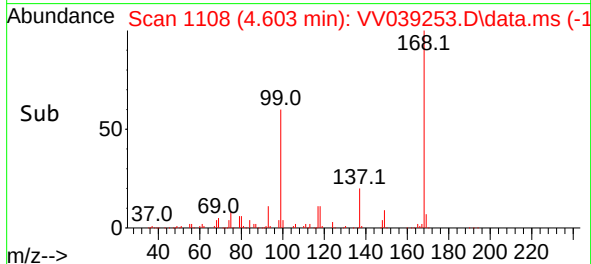
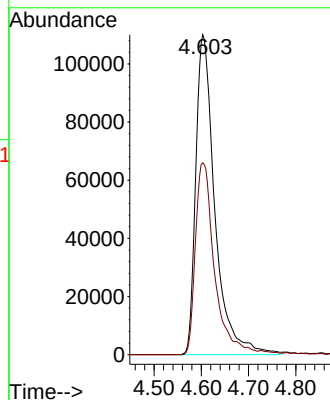
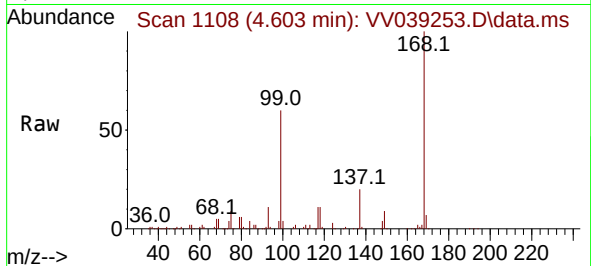




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

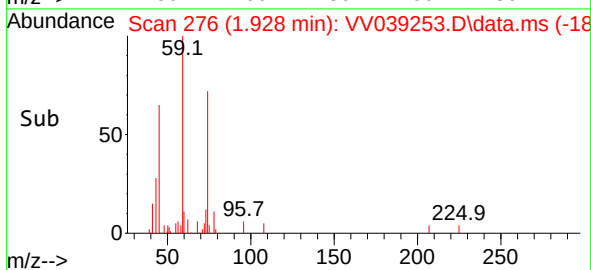
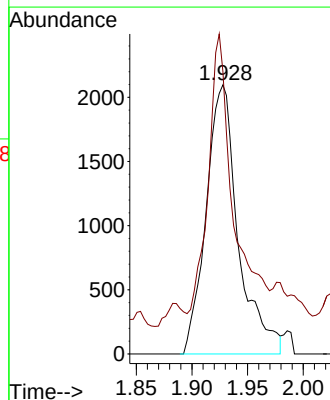
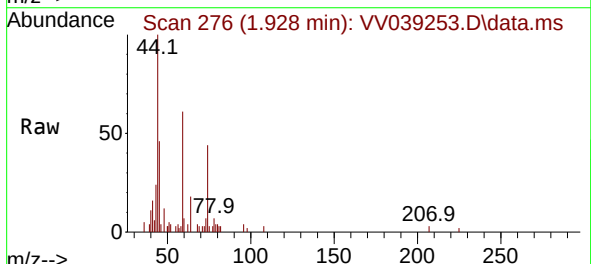
Instrument :
MSVOA_V
ClientSampleId :
MW-2

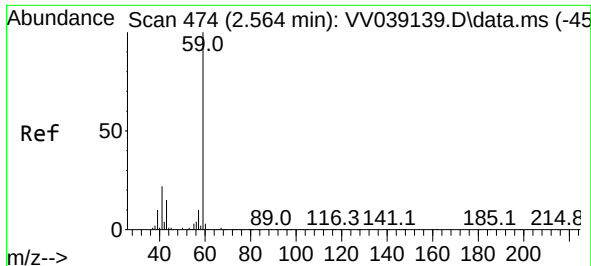
Tgt Ion:168 Resp: 308662
Ion Ratio Lower Upper
168 100
99 59.9 49.6 74.4



#8
Diethyl Ether
Concen: 1.394 ug/l
RT: 1.928 min Scan# 276
Delta R.T. 0.010 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

Tgt Ion: 74 Resp: 4207
Ion Ratio Lower Upper
74 100
45 78.9 49.6 148.8

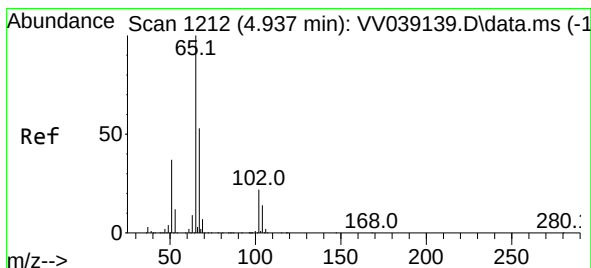
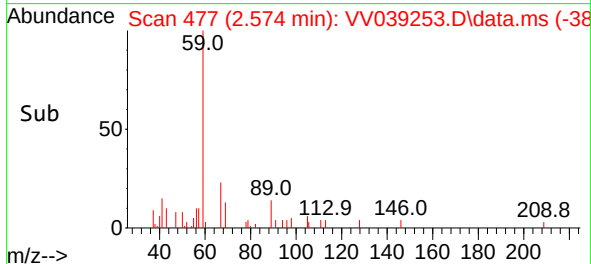
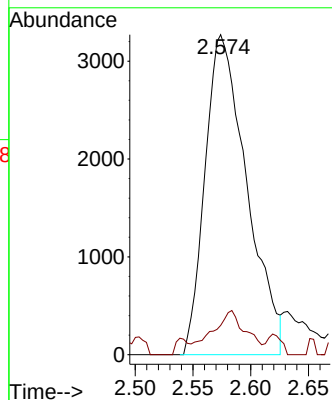
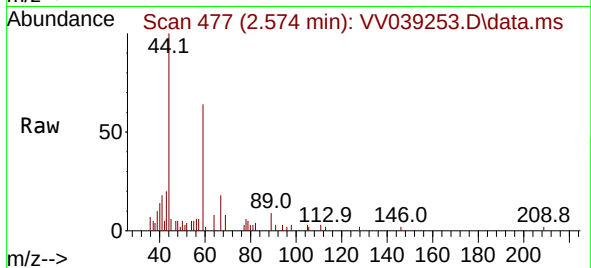




#11
Tert butyl alcohol
Concen: 8.699 ug/l
RT: 2.574 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

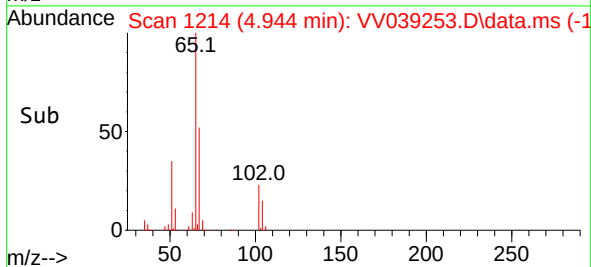
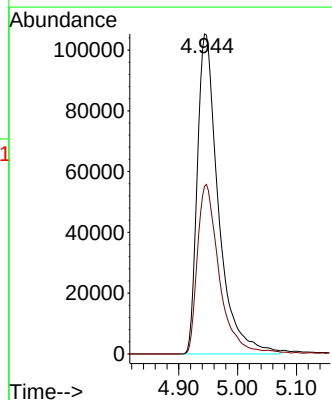
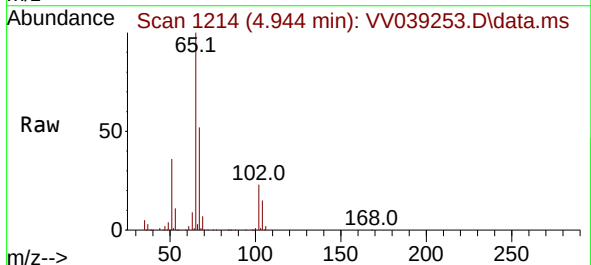
Instrument :
MSVOA_V
ClientSampleId :
MW-2

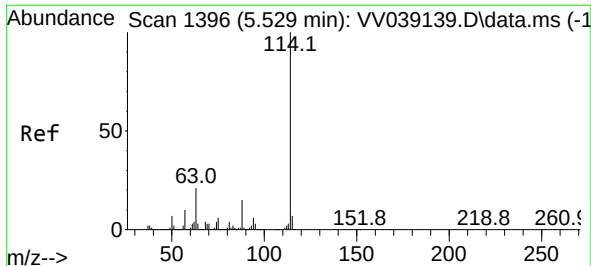
Tgt Ion: 59 Resp: 8213
Ion Ratio Lower Upper
59 100
57 11.0 7.8 11.8



#33
1,2-Dichloroethane-d4
Concen: 58.685 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

Tgt Ion: 65 Resp: 262159
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039253.D

Acq: 03 Oct 2025 16:34

Instrument :

MSVOA_V

ClientSampleId :

MW-2

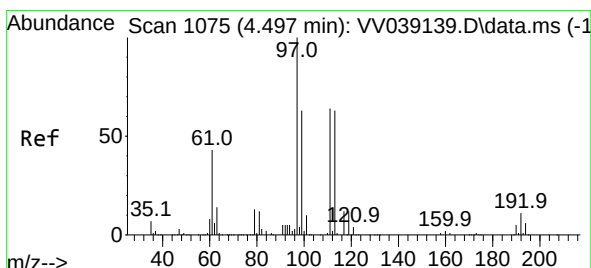
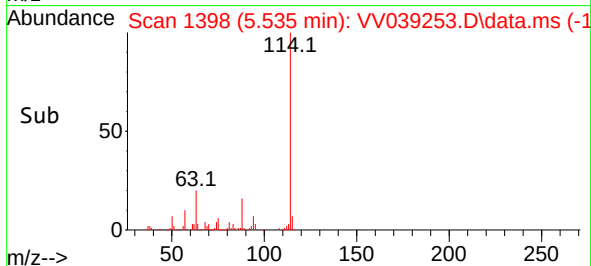
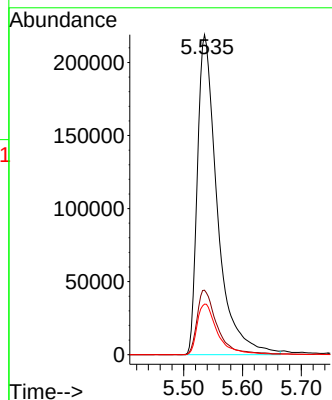
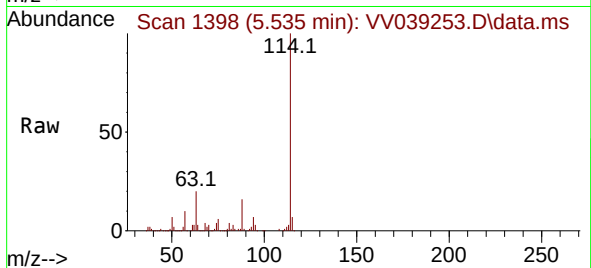
Tgt Ion:114 Resp: 515390

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

88 15.8 0.0 30.8



#35

Dibromofluoromethane

Concen: 61.369 ug/l

RT: 4.506 min Scan# 1078

Delta R.T. 0.010 min

Lab File: VV039253.D

Acq: 03 Oct 2025 16:34

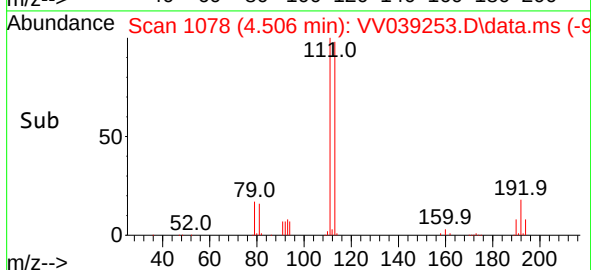
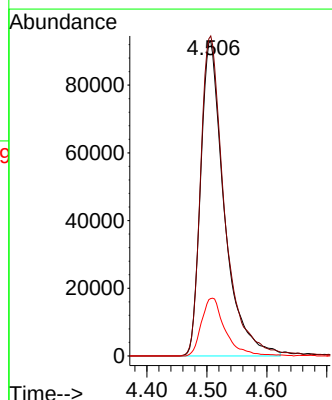
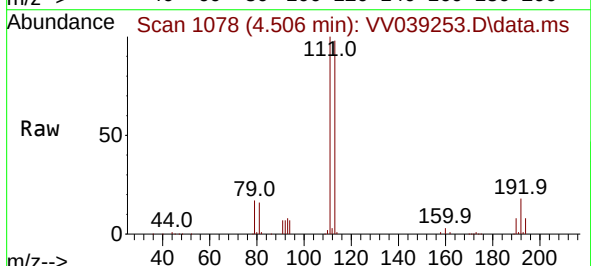
Tgt Ion:113 Resp: 254272

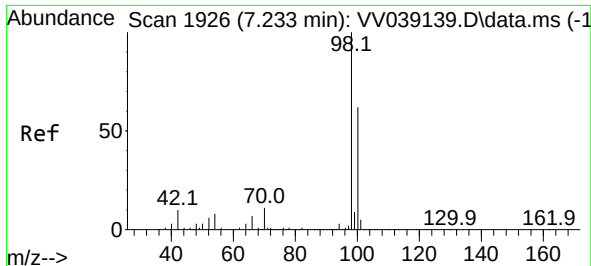
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 18.6 13.8 20.8

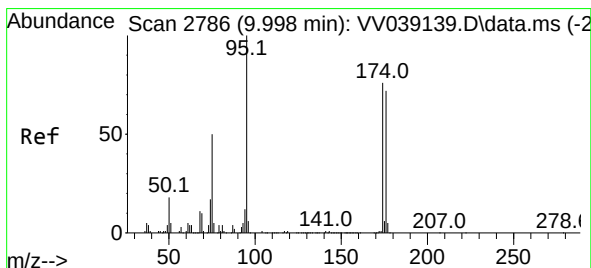
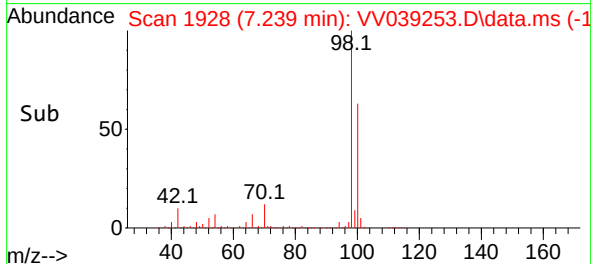
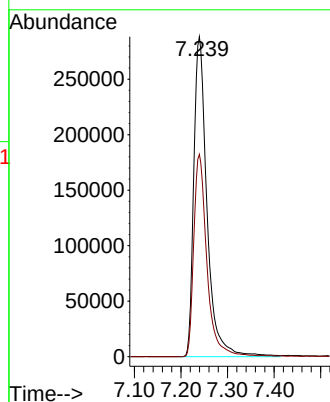
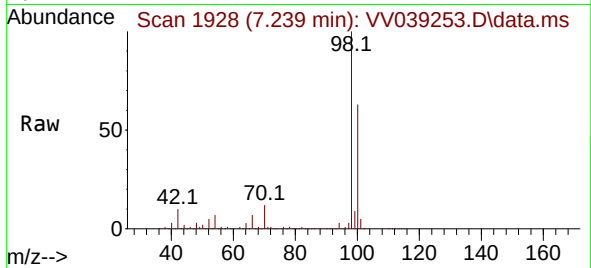




#50
Toluene-d8
Concen: 46.741 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

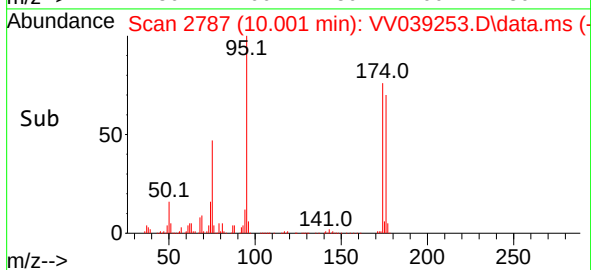
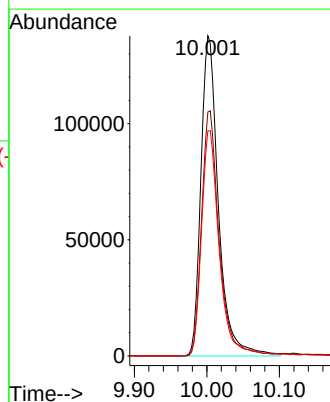
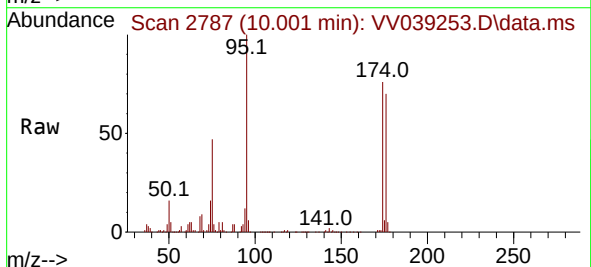
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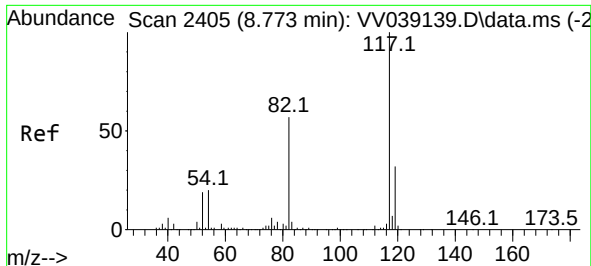
Tgt Ion: 98 Resp: 568796
Ion Ratio Lower Upper
98 100
100 62.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.159 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

Tgt Ion: 95 Resp: 231239
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.4
176 71.2 0.0 144.2

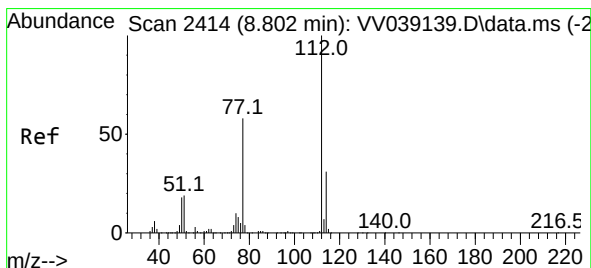
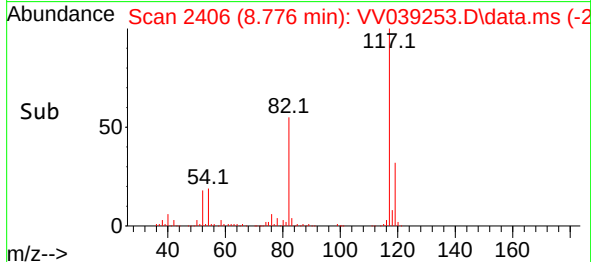
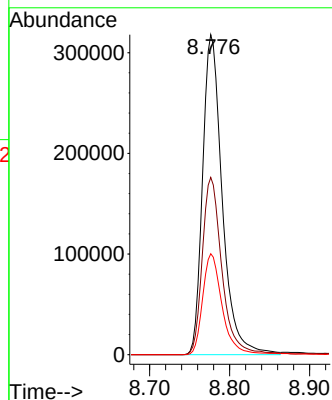
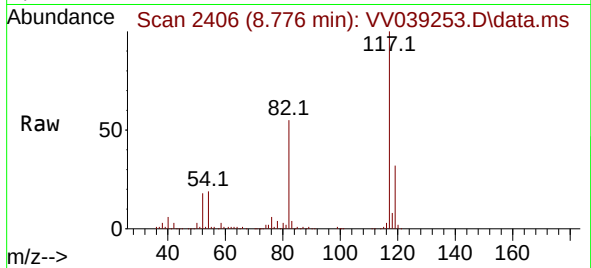




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

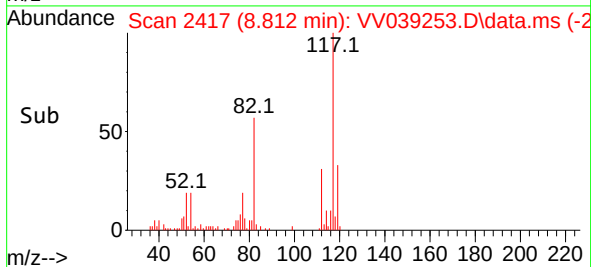
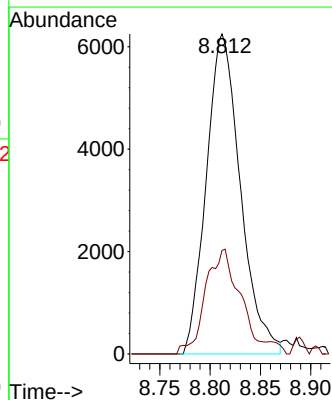
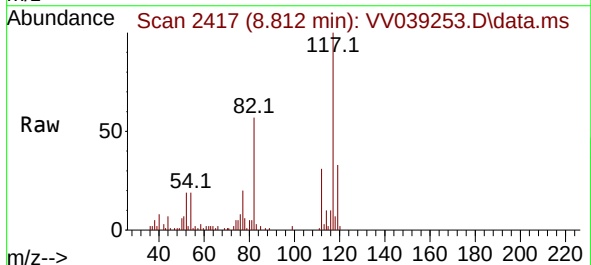
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MSVOA_V
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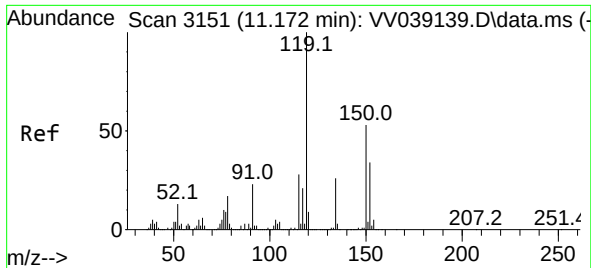
Tgt Ion:117 Resp: 544820
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.2
119 31.6 25.6 38.4



#65
Chlorobenzene
Concen: 0.971 ug/l
RT: 8.812 min Scan# 2417
Delta R.T. 0.010 min
Lab File: VV039253.D
Acq: 03 Oct 2025 16:34

Tgt Ion:112 Resp: 14731
Ion Ratio Lower Upper
112 100
114 29.9 24.6 37.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.172 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV039253.D
 Acq: 03 Oct 2025 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2

Tgt Ion:152 Resp: 261173
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.8 134.4
 150 159.8 0.0 353.8

