

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039259.D
 Acq On : 03 Oct 2025 18:49
 Operator : SY/MD
 Sample : Q3201-04 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW10

Quant Time: Oct 04 01:16:10 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)

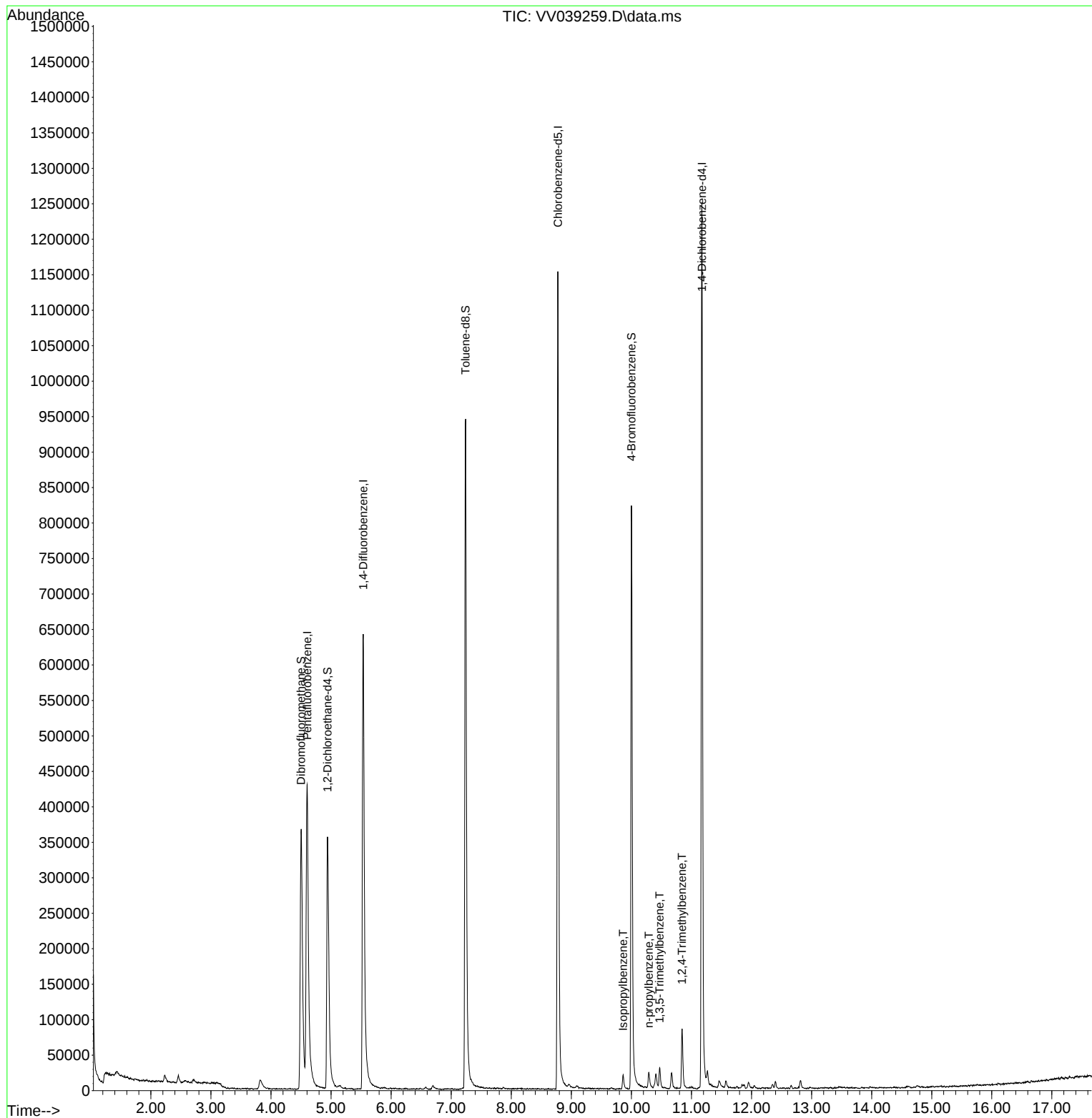
Internal Standards						
1) Pentafluorobenzene	4.603	168	370003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	637755	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	661236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	339907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	315217	58.864	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	117.720%
35) Dibromofluoromethane	4.503	113	305851	59.655	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	119.300%#
50) Toluene-d8	7.239	98	697713	46.335	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	92.660%
62) 4-Bromofluorobenzene	10.001	95	285785	46.102	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	92.200%
Target Compounds						
					Qvalue	
73) Isopropylbenzene	9.860	105	11345	0.460	ug/l	96
78) n-propylbenzene	10.291	91	18671	0.622	ug/l	97
80) 1,3,5-Trimethylbenzene	10.471	105	15495	0.756	ug/l	97
84) 1,2,4-Trimethylbenzene	10.844	105	47499	2.388	ug/l	100

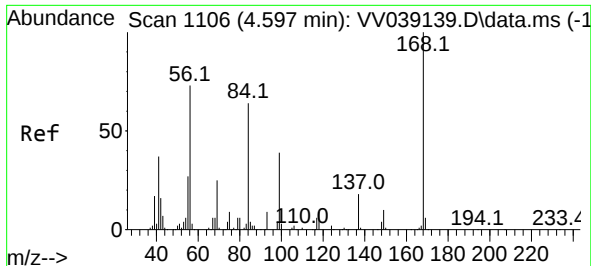
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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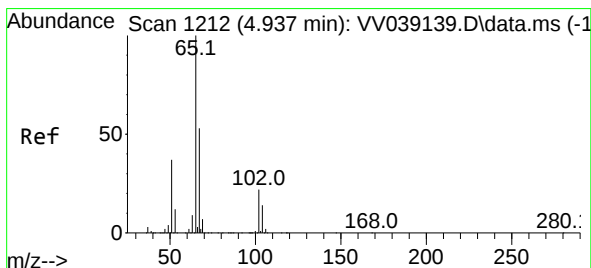
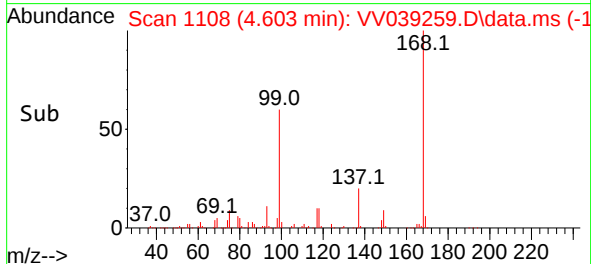
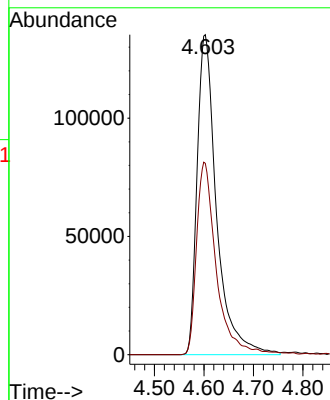
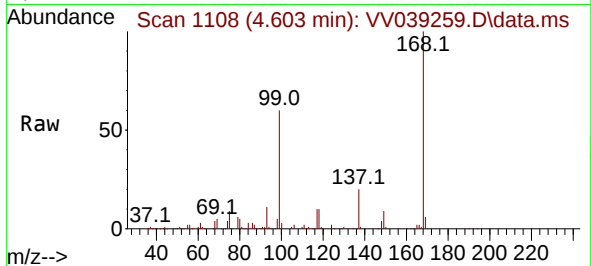




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039259.D
Acq: 03 Oct 2025 18:49

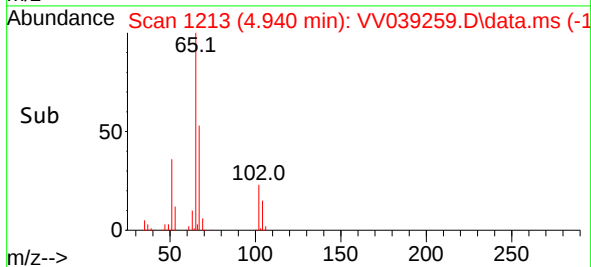
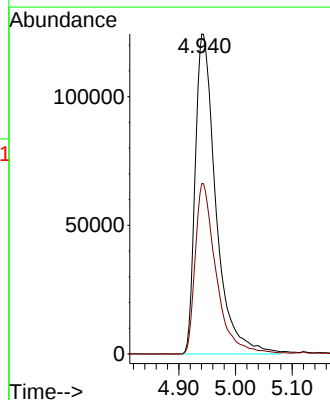
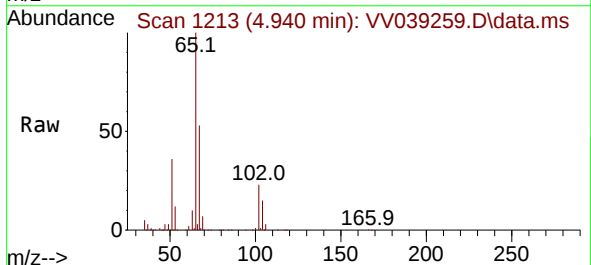
Instrument :
MSVOA_V
ClientSampleId :
MW10

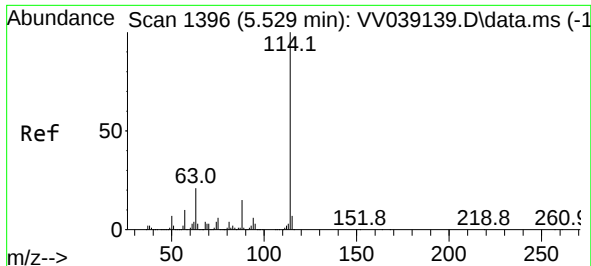
Tgt Ion:168 Resp: 370003
Ion Ratio Lower Upper
168 100
99 59.8 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 58.864 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039259.D
Acq: 03 Oct 2025 18:49

Tgt Ion: 65 Resp: 315217
Ion Ratio Lower Upper
65 100
67 54.0 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: VV039259.D

Acq: 03 Oct 2025 18:49

Instrument :

MSVOA_V

ClientSampleId :

MW10

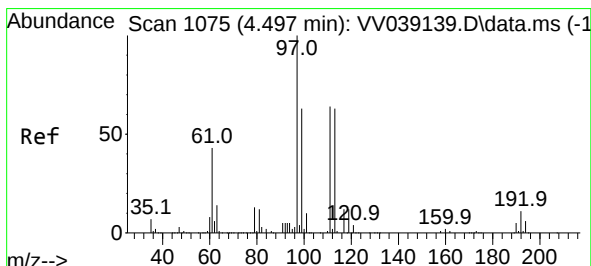
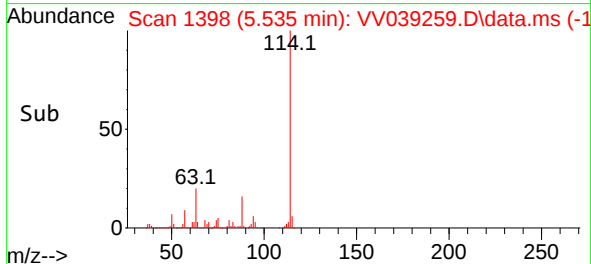
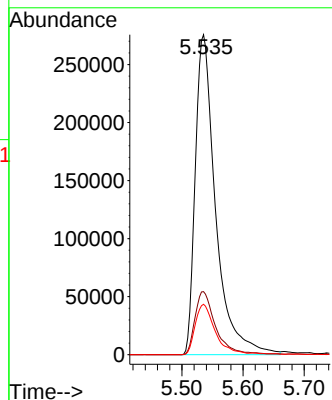
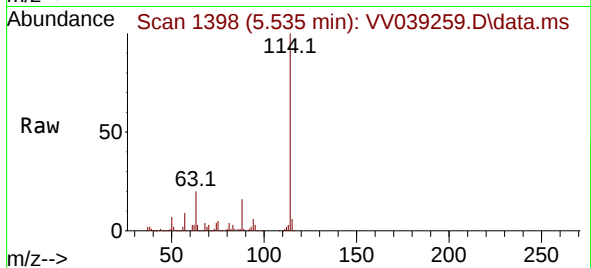
Tgt Ion:114 Resp: 637755

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 15.8 0.0 30.8



#35

Dibromofluoromethane

Concen: 59.655 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039259.D

Acq: 03 Oct 2025 18:49

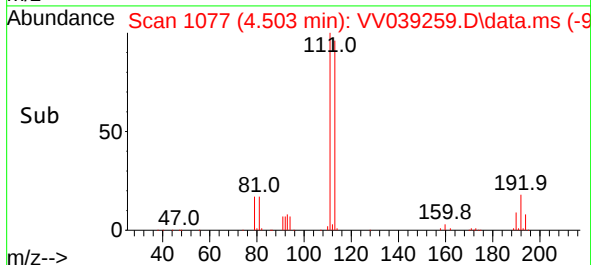
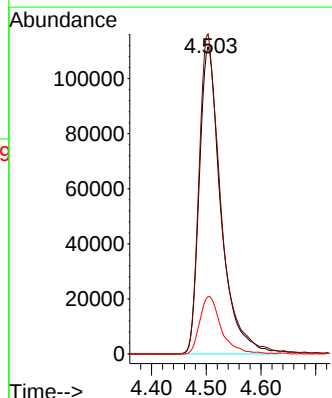
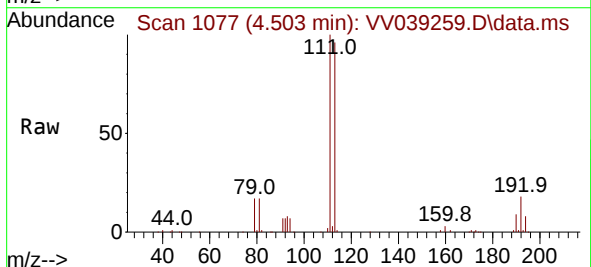
Tgt Ion:113 Resp: 305851

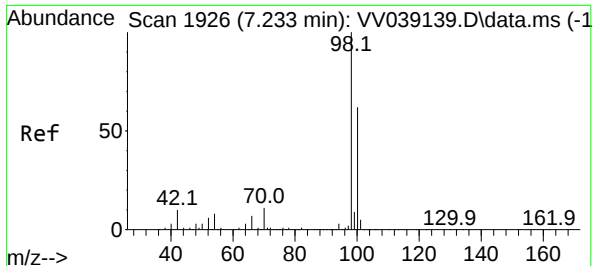
Ion Ratio Lower Upper

113 100

111 105.0 82.4 123.6

192 18.3 13.8 20.8

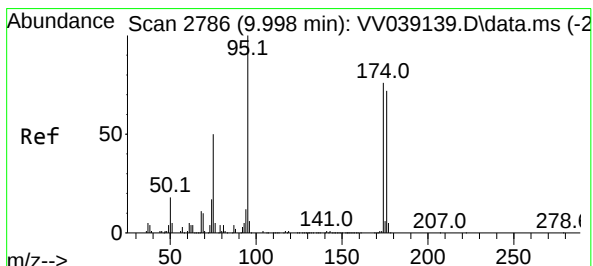
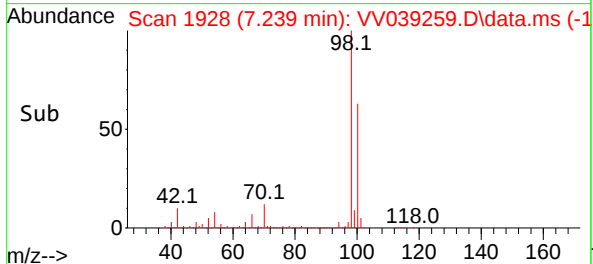
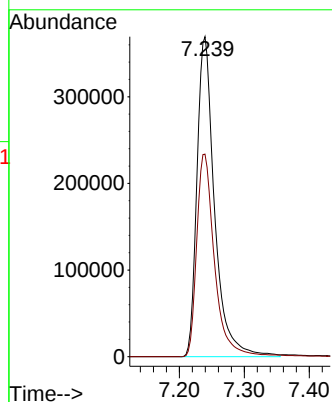
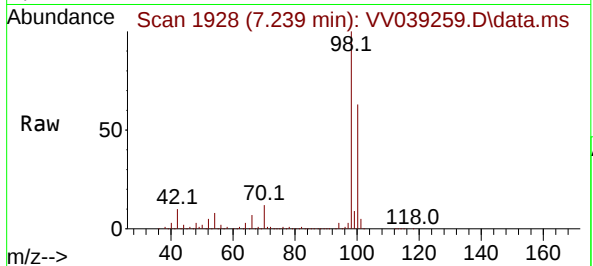




#50
Toluene-d8
Concen: 46.335 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039259.D
Acq: 03 Oct 2025 18:49

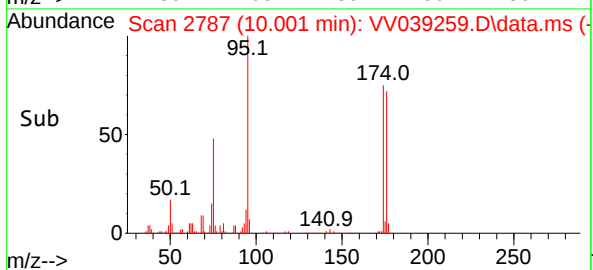
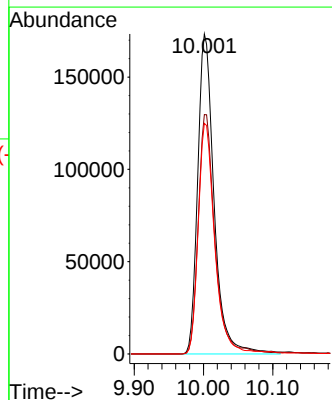
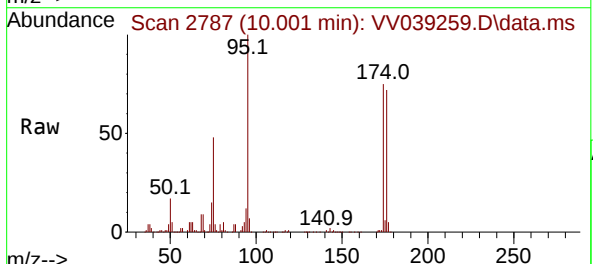
Instrument :
MSVOA_V
ClientSampleId :
MW10

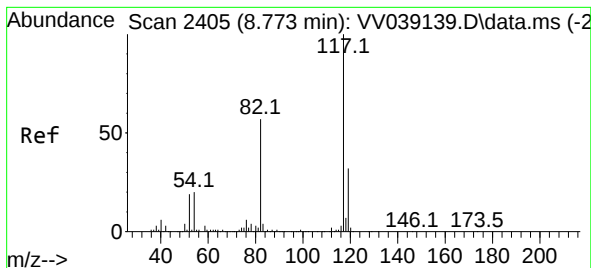
Tgt Ion: 98 Resp: 697713
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.102 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039259.D
Acq: 03 Oct 2025 18:49

Tgt Ion: 95 Resp: 285785
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.4
176 72.2 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: VV039259.D

Acq: 03 Oct 2025 18:49

Instrument :

MSVOA_V

ClientSampleId :

MW10

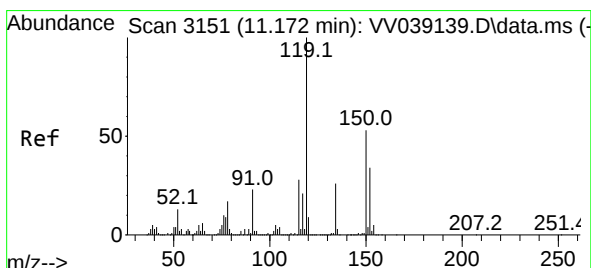
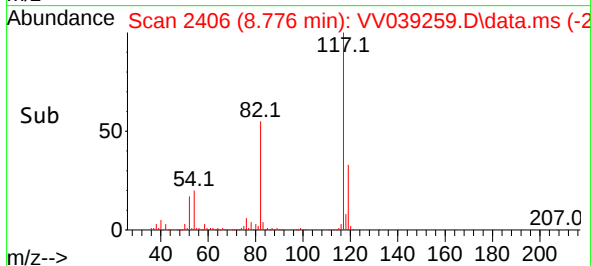
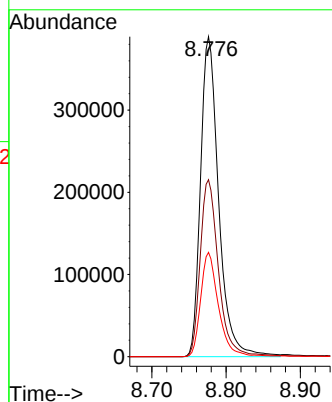
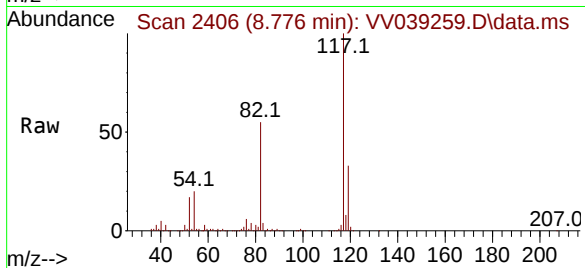
Tgt Ion:117 Resp: 661236

Ion Ratio Lower Upper

117 100

82 55.3 45.4 68.2

119 32.6 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: VV039259.D

Acq: 03 Oct 2025 18:49

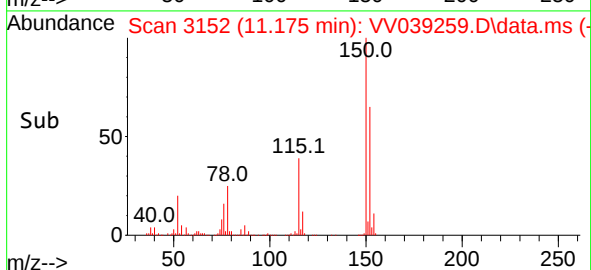
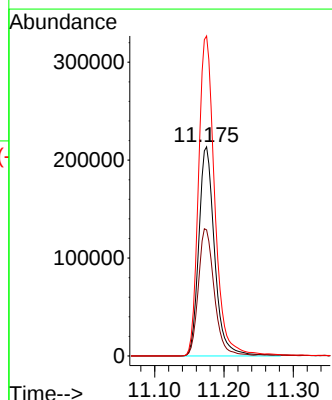
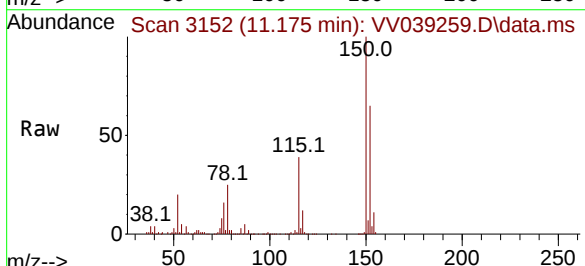
Tgt Ion:152 Resp: 339907

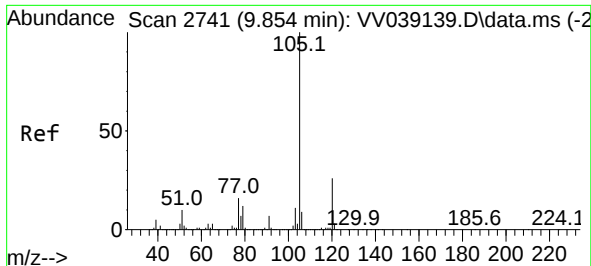
Ion Ratio Lower Upper

152 100

115 61.1 44.8 134.4

150 156.5 0.0 353.8

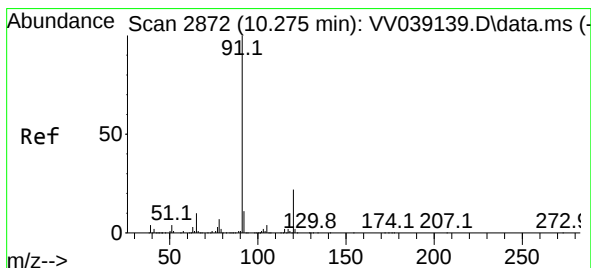
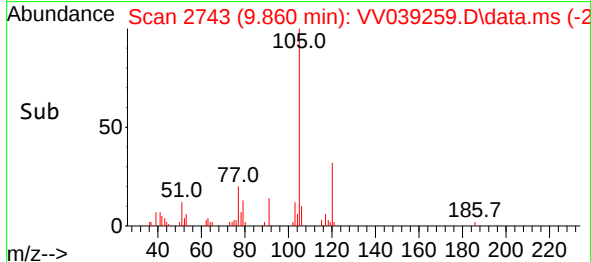
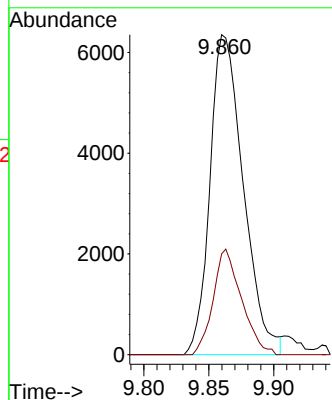
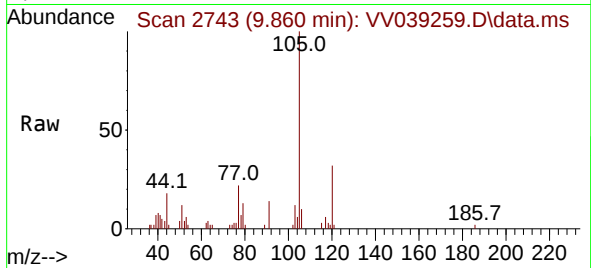




#73
Isopropylbenzene
Concen: 0.460 ug/l
RT: 9.860 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039259.D
Acq: 03 Oct 2025 18:49

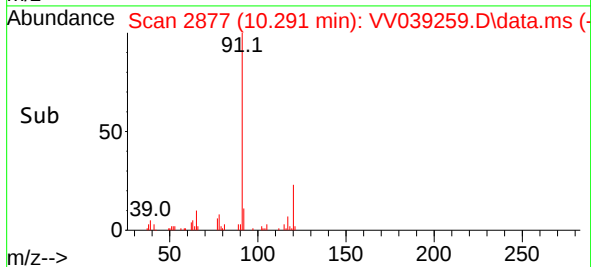
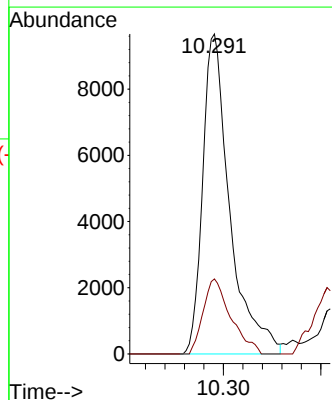
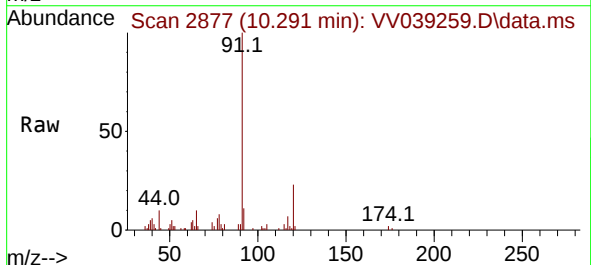
Instrument :
MSVOA_V
ClientSampleId :
MW10

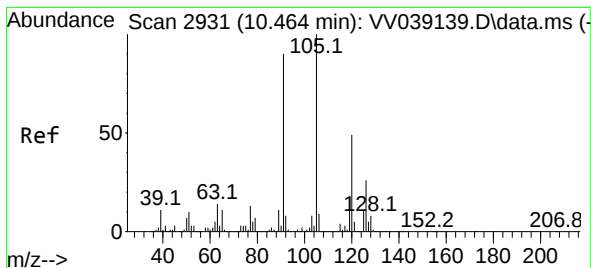
Tgt Ion:105 Resp: 11345
Ion Ratio Lower Upper
105 100
120 28.0 13.1 39.1



#78
n-propylbenzene
Concen: 0.622 ug/l
RT: 10.291 min Scan# 2877
Delta R.T. 0.016 min
Lab File: VV039259.D
Acq: 03 Oct 2025 18:49

Tgt Ion: 91 Resp: 18671
Ion Ratio Lower Upper
91 100
120 23.8 11.1 33.3





#80

1,3,5-Trimethylbenzene

Concen: 0.756 ug/l

RT: 10.471 min Scan# 2931

Delta R.T. 0.006 min

Lab File: VV039259.D

Acq: 03 Oct 2025 18:49

Instrument :

MSVOA_V

ClientSampleId :

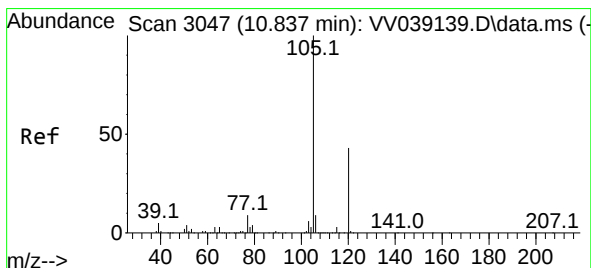
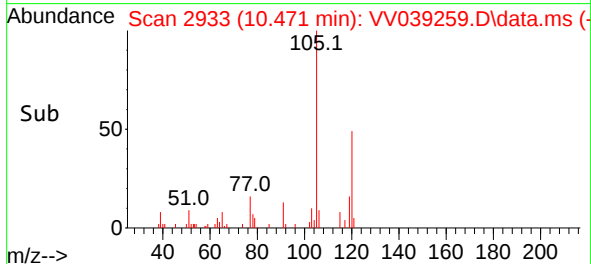
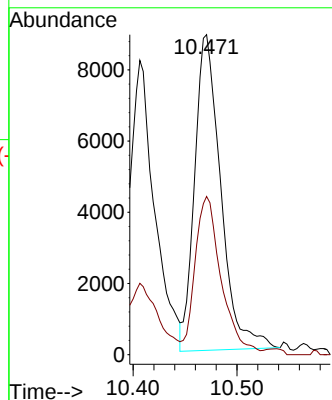
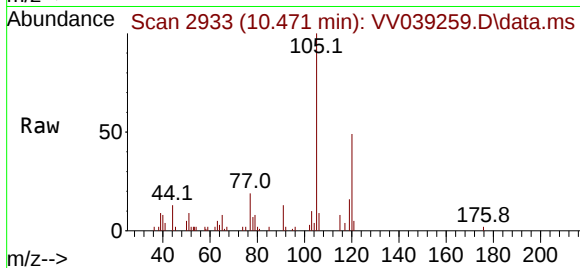
MW10

Tgt Ion:105 Resp: 15495

Ion Ratio Lower Upper

105 100

120 50.4 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 2.388 ug/l

RT: 10.844 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VV039259.D

Acq: 03 Oct 2025 18:49

Tgt Ion:105 Resp: 47499

Ion Ratio Lower Upper

105 100

120 44.8 22.4 67.2

