

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039255.D
 Acq On : 03 Oct 2025 17:19
 Operator : SY/MD
 Sample : Q3254-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-4

Quant Time: Oct 04 01:14:14 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)

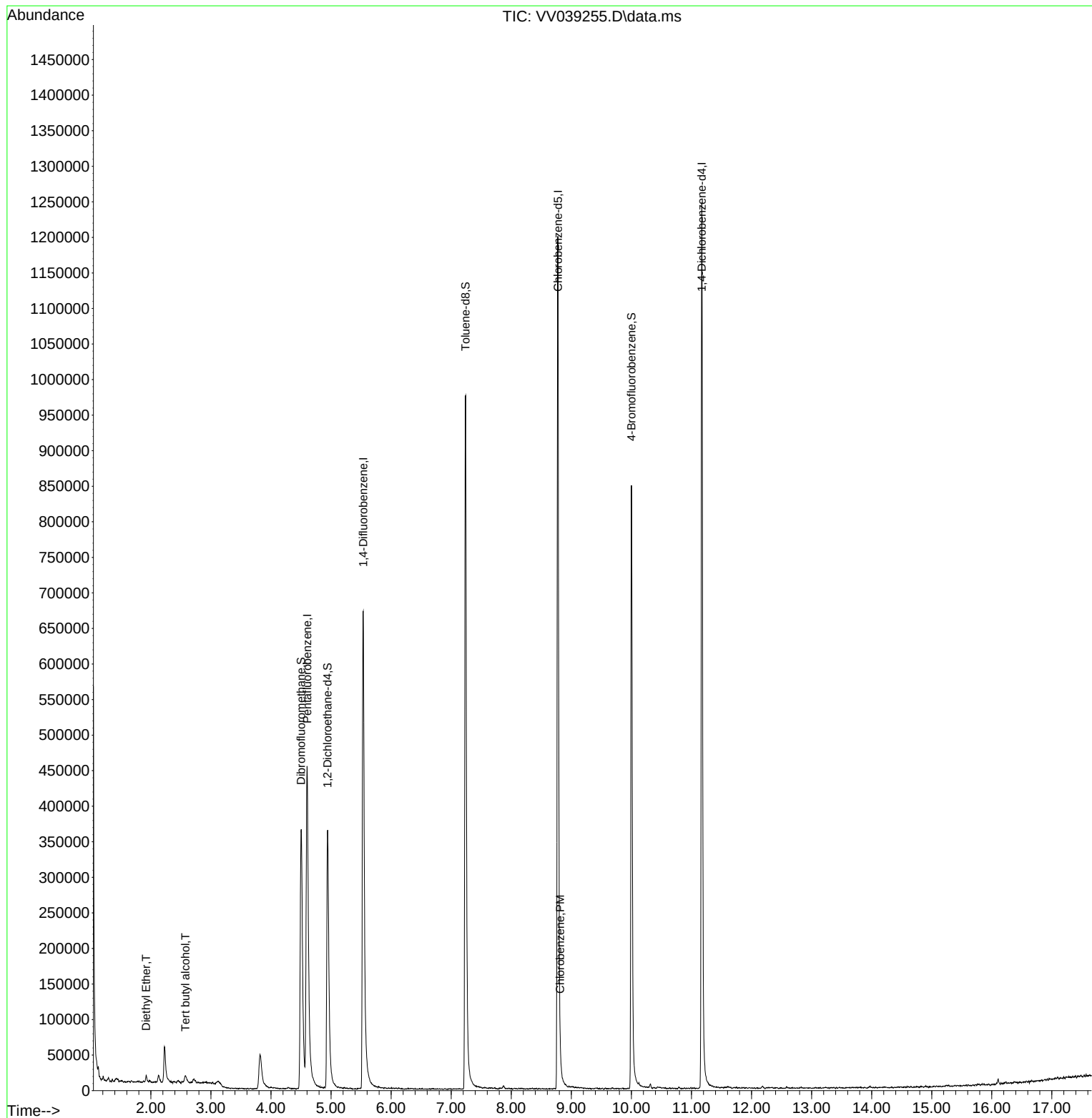
Internal Standards						
1) Pentafluorobenzene	4.603	168	392891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	674176	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	694020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	336486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	326864	57.483	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	114.960%
35) Dibromofluoromethane	4.503	113	311029	57.387	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	114.780%
50) Toluene-d8	7.240	98	725743	45.592	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.180%
62) 4-Bromofluorobenzene	10.002	95	295807	45.140	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	90.280%
Target Compounds						
						Qvalue
8) Diethyl Ether	1.921	74	3639	0.947	ug/l	94
11) Tert butyl alcohol	2.577	59	8573	7.133	ug/l	99
65) Chlorobenzene	8.815	112	13694	0.708	ug/l #	86

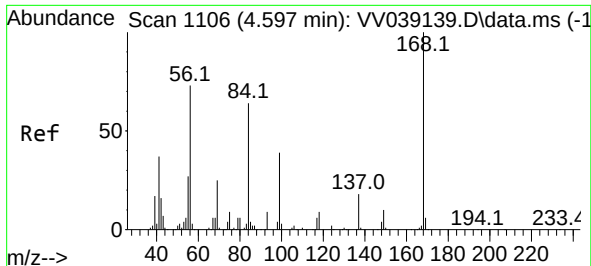
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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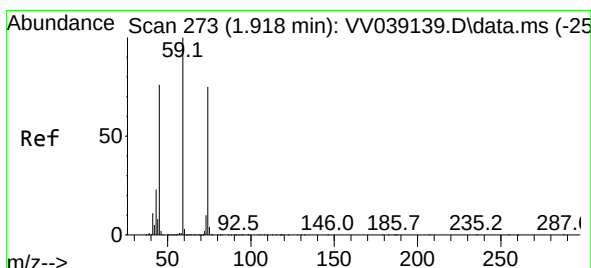
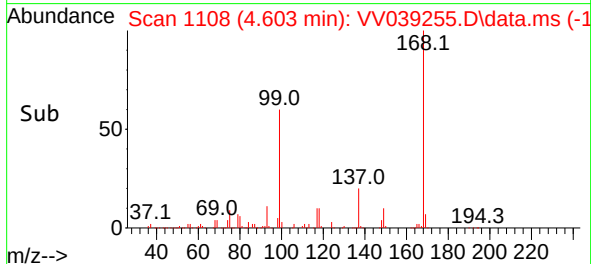
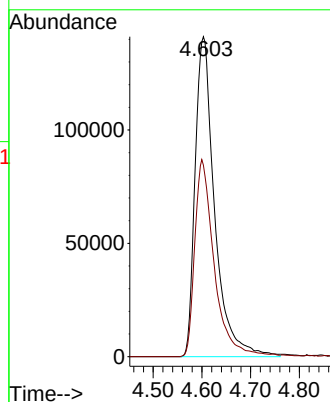
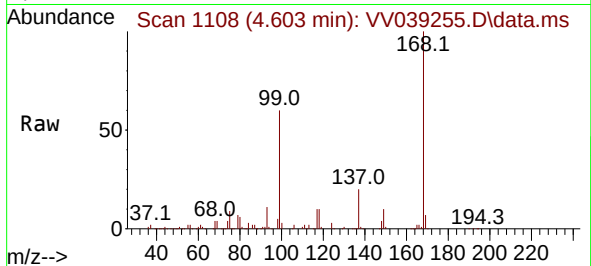




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

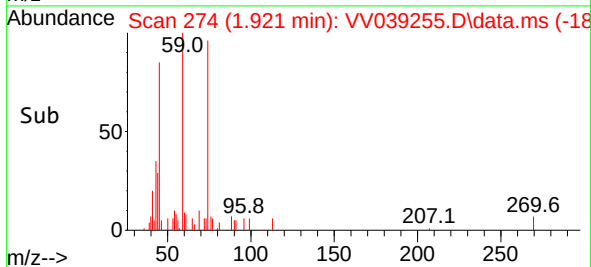
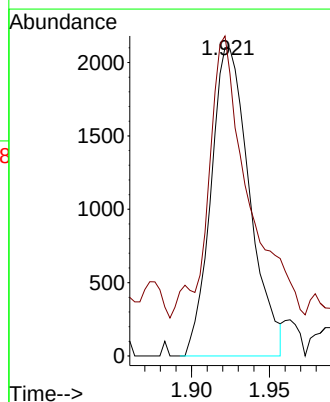
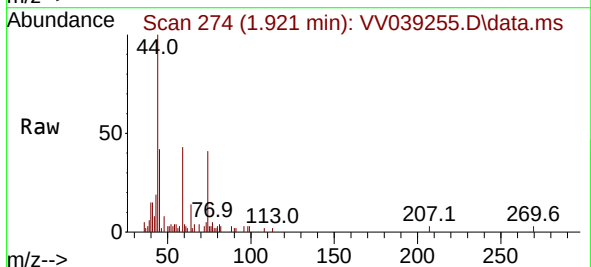
Instrument :
MSVOA_V
ClientSampleId :
MW-4

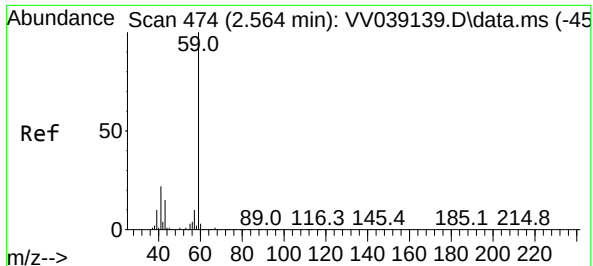
Tgt Ion:168 Resp: 392891
Ion Ratio Lower Upper
168 100
99 59.9 49.6 74.4



#8
Diethyl Ether
Concen: 0.947 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

Tgt Ion: 74 Resp: 3639
Ion Ratio Lower Upper
74 100
45 93.2 49.6 148.8

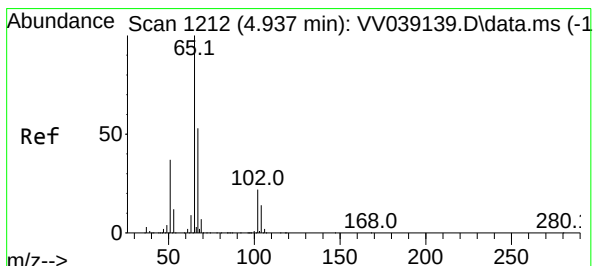
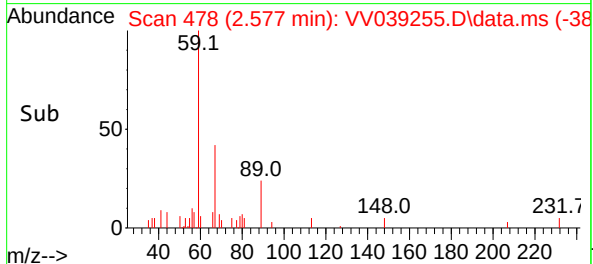
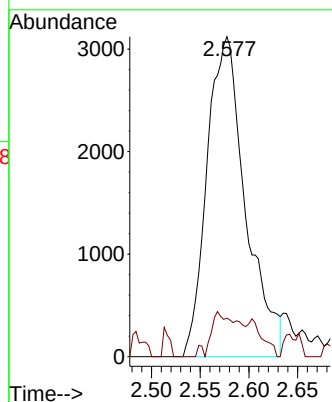
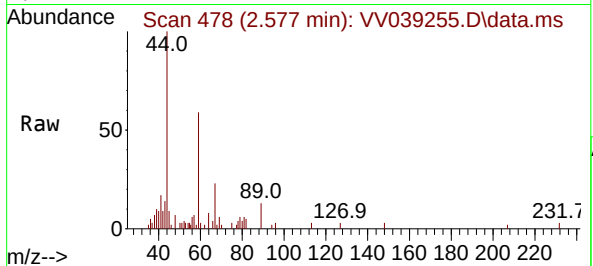




#11
Tert butyl alcohol
Concen: 7.133 ug/l
RT: 2.577 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

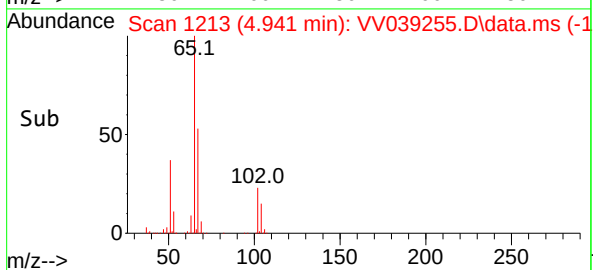
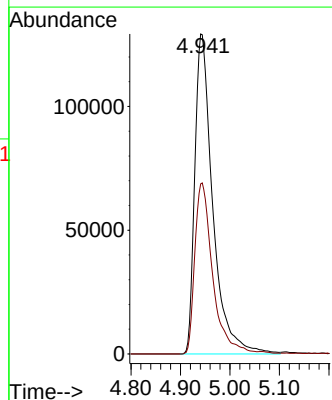
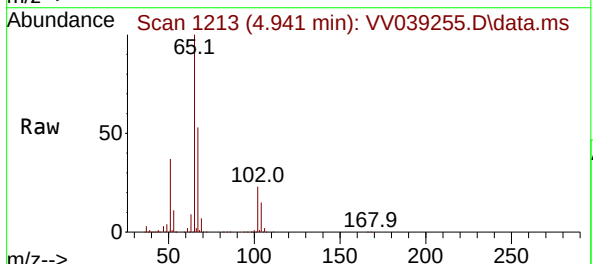
Instrument :
MSVOA_V
ClientSampleId :
MW-4

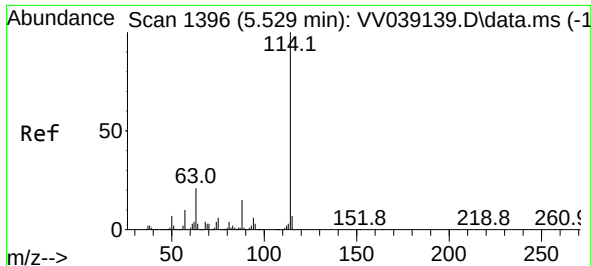
Tgt Ion: 59 Resp: 8573
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.8



#33
1,2-Dichloroethane-d4
Concen: 57.483 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

Tgt Ion: 65 Resp: 326864
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.0

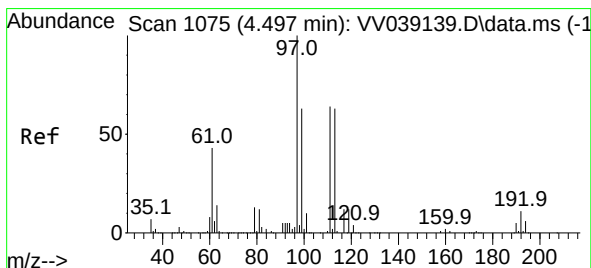
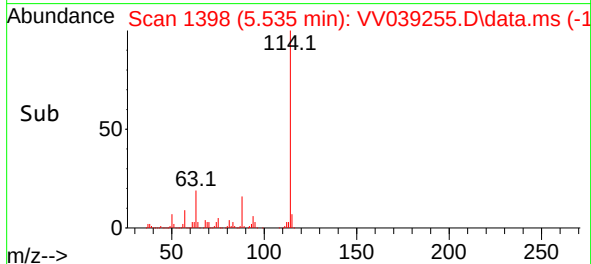
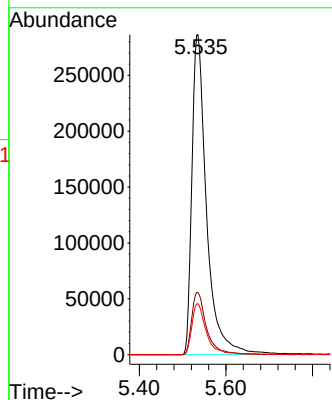
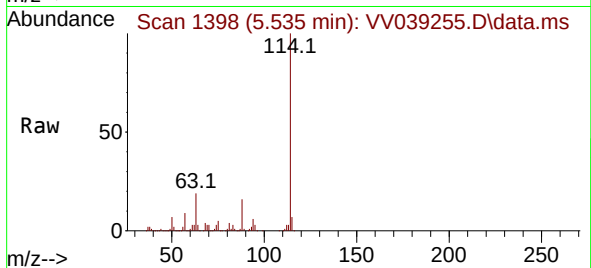




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

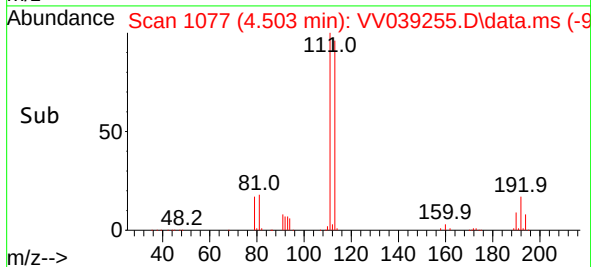
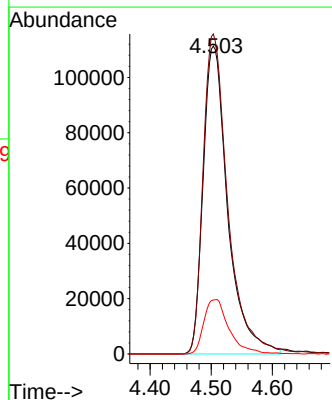
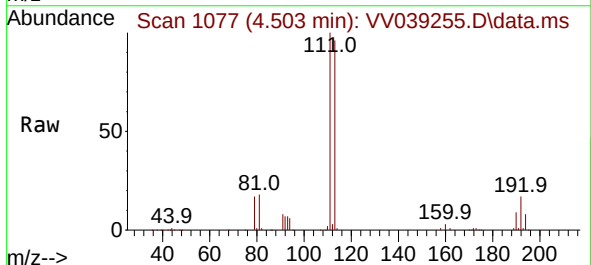
Instrument :
MSVOA_V
ClientSampleId :
MW-4

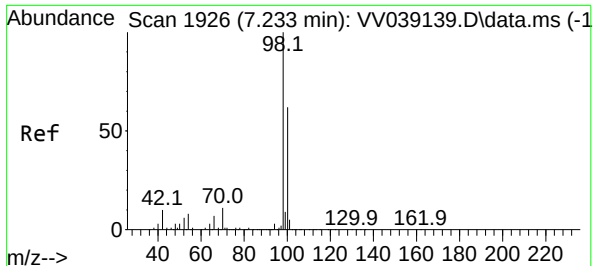
Tgt Ion:114 Resp: 674176
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.6
88 16.0 0.0 30.8



#35
Dibromofluoromethane
Concen: 57.387 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

Tgt Ion:113 Resp: 311029
Ion Ratio Lower Upper
113 100
111 104.6 82.4 123.6
192 18.0 13.8 20.8

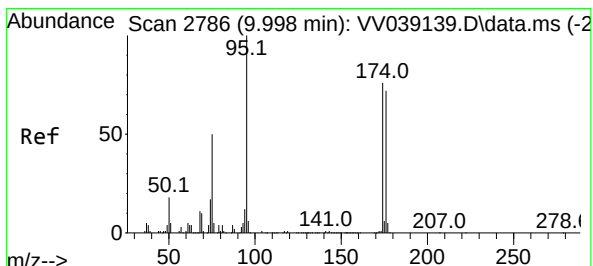
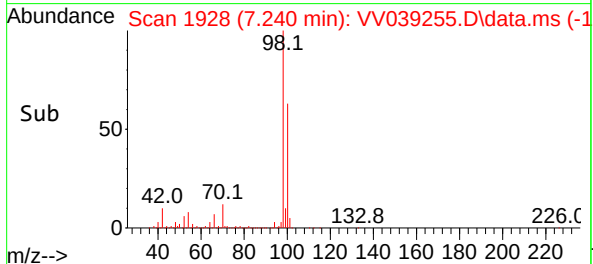
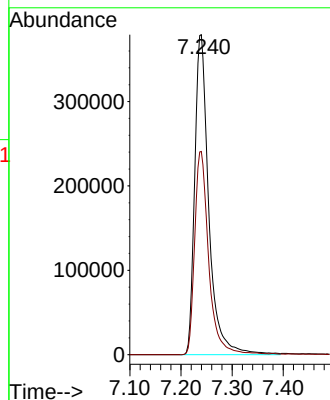
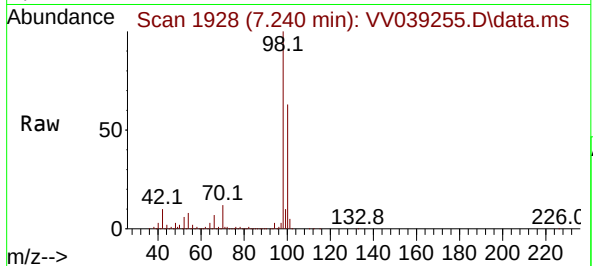




#50
Toluene-d8
Concen: 45.592 ug/l
RT: 7.240 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

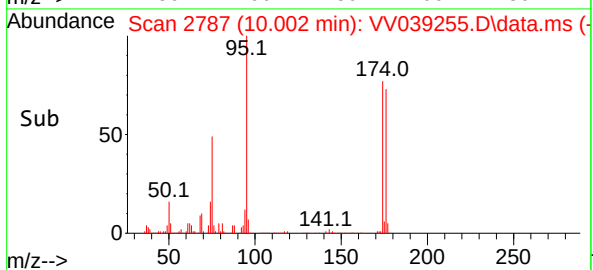
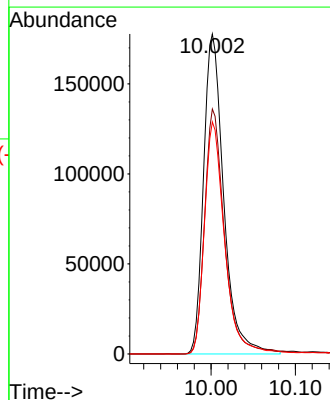
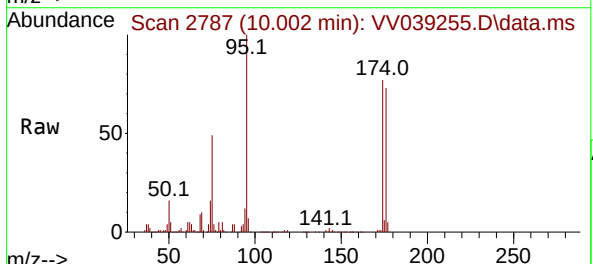
Instrument :
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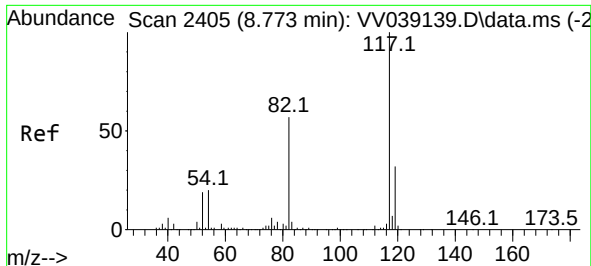
Tgt Ion: 98 Resp: 725743
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.140 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039255.D
Acq: 03 Oct 2025 17:19

Tgt Ion: 95 Resp: 295807
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.4
176 72.8 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: VV039255.D

Acq: 03 Oct 2025 17:19

Instrument :

MSVOA_V

ClientSampleId :

MW-4

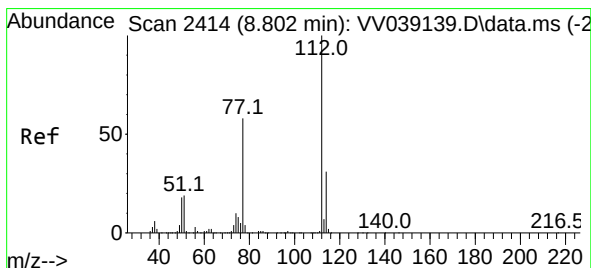
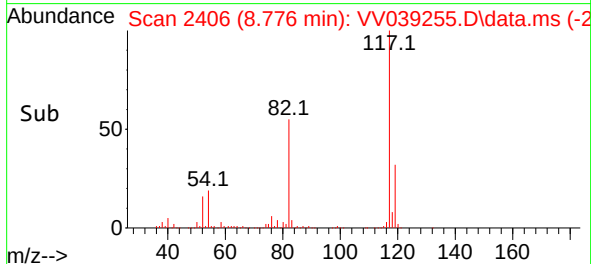
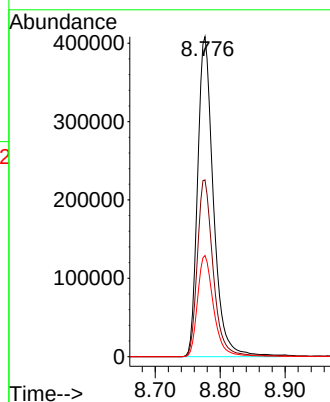
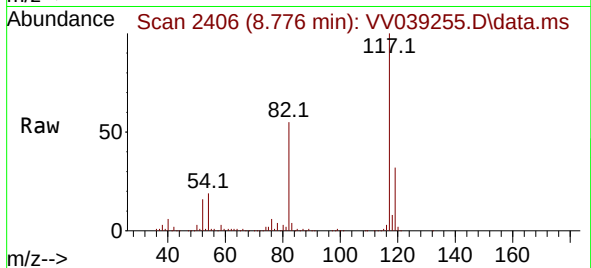
Tgt Ion:117 Resp: 694020

Ion Ratio Lower Upper

117 100

82 55.2 45.4 68.2

119 31.6 25.6 38.4



#65

Chlorobenzene

Concen: 0.708 ug/l

RT: 8.815 min Scan# 2418

Delta R.T. 0.013 min

Lab File: VV039255.D

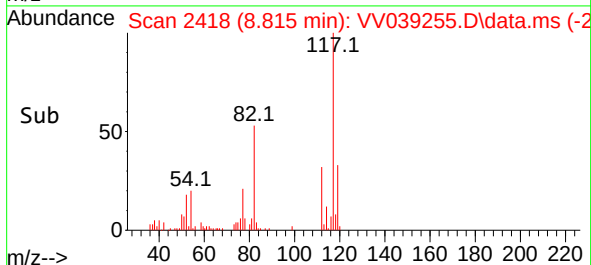
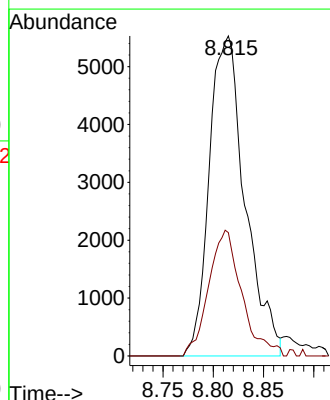
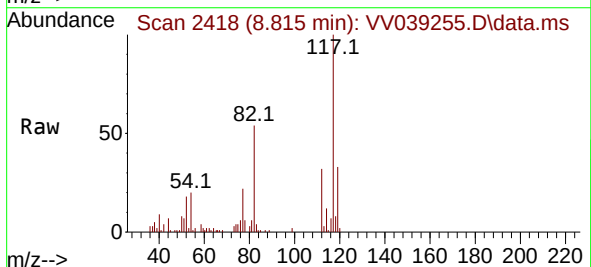
Acq: 03 Oct 2025 17:19

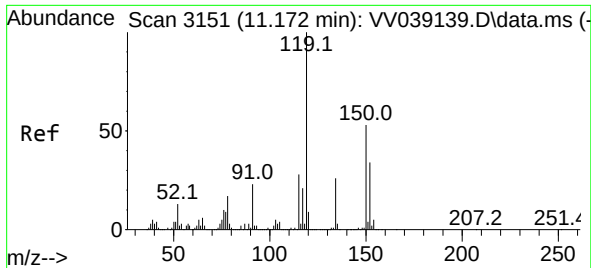
Tgt Ion:112 Resp: 13694

Ion Ratio Lower Upper

112 100

114 38.6 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: VV039255.D

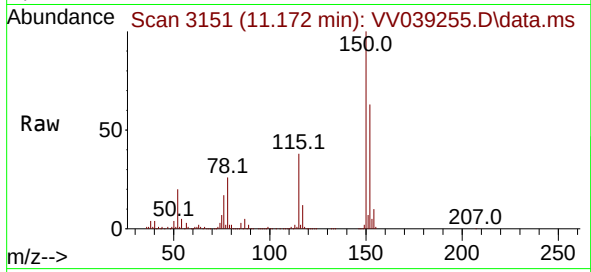
Acq: 03 Oct 2025 17:19

Instrument :

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Tgt Ion:152 Resp: 336486

Ion Ratio Lower Upper

152 100

115 60.1 44.8 134.4

150 158.8 0.0 353.8

