

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087090.D
 Acq On : 18 Jun 2025 16:52
 Operator : JC\MD
 Sample : Q2329-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20250613

Quant Time: Jun 19 01:31:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

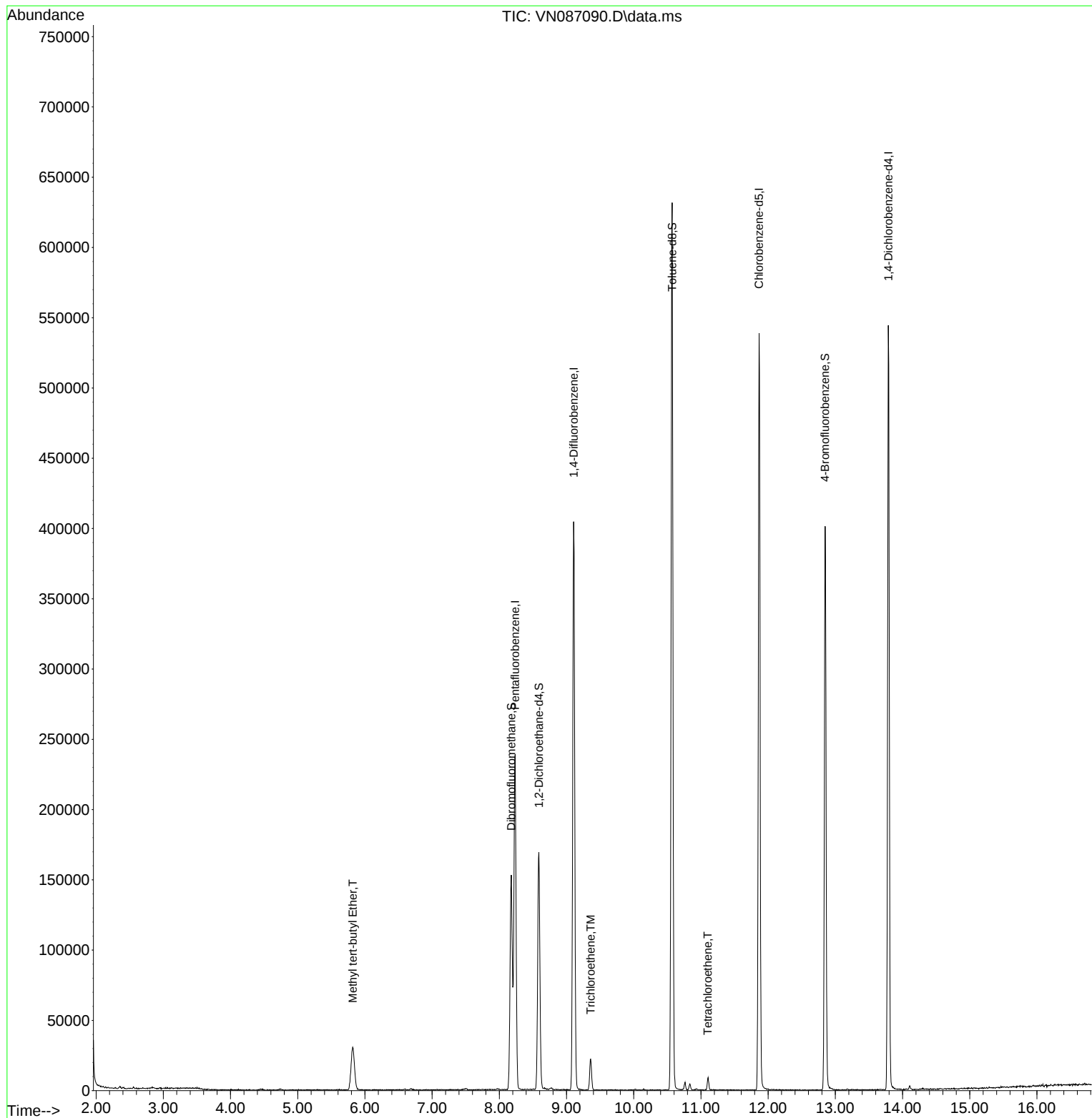
Internal Standards						
1) Pentafluorobenzene	8.236	168	187618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	344732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	137942	54.913	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.820%	
35) Dibromofluoromethane	8.177	113	118477	52.635	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.260%	
50) Toluene-d8	10.571	98	468161	52.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.847	95	162968	49.226	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.460%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.818	73	56006	7.407	ug/l	97
44) Trichloroethene	9.359	130	9162	3.523	ug/l	99
64) Tetrachloroethene	11.100	164	2049	0.939	ug/l #	77

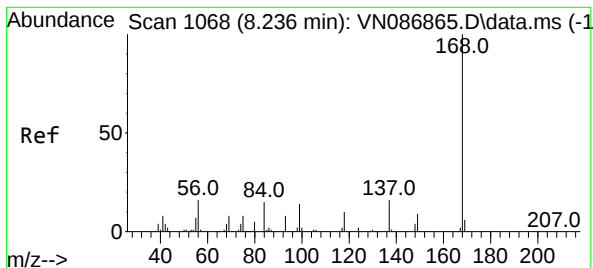
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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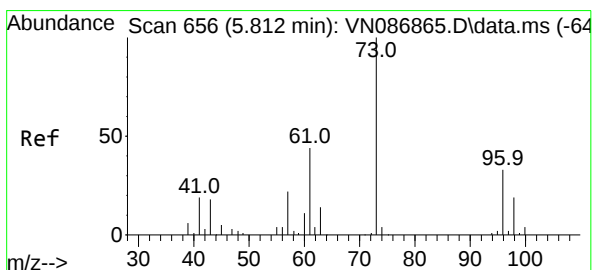
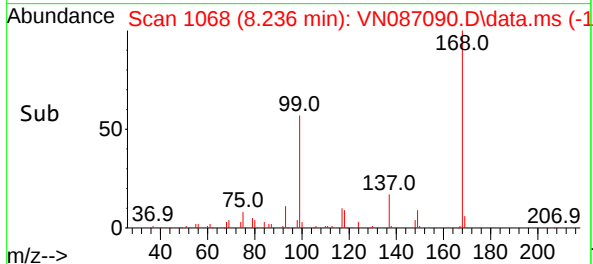
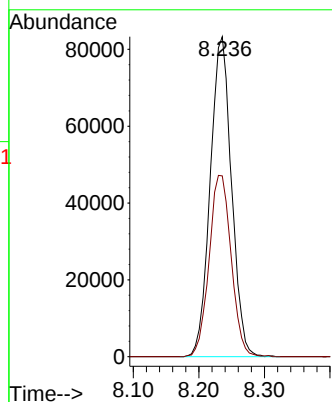
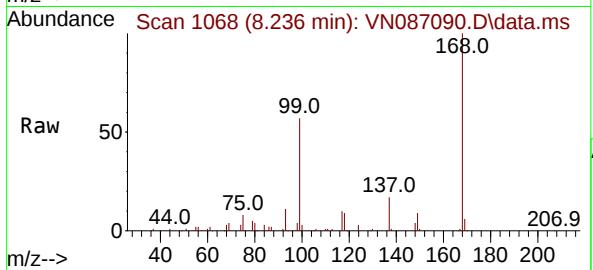




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

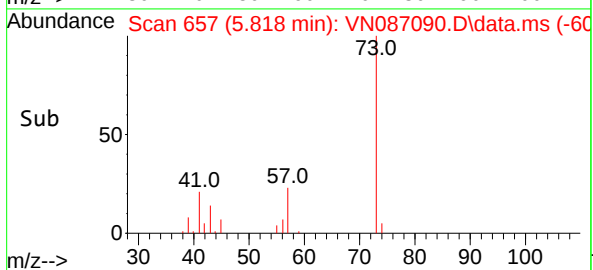
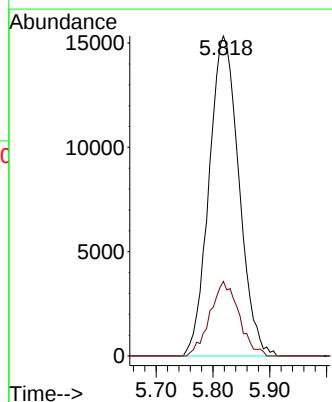
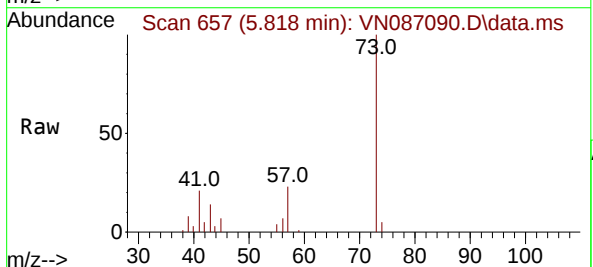
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20250613

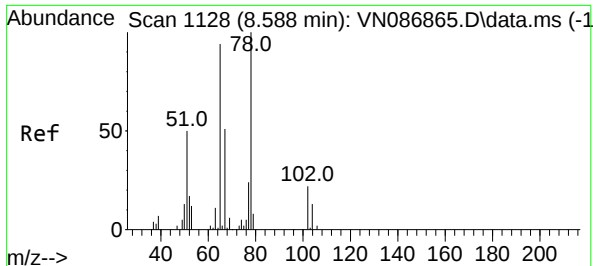
Tgt Ion:168 Resp: 187618
Ion Ratio Lower Upper
168 100
99 56.5 49.1 73.7



#19
Methyl tert-butyl Ether
Concen: 7.407 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

Tgt Ion: 73 Resp: 56006
Ion Ratio Lower Upper
73 100
57 23.3 17.4 26.2





#33

1,2-Dichloroethane-d4

Concen: 54.913 ug/l

RT: 8.589 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN087090.D

Acq: 18 Jun 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

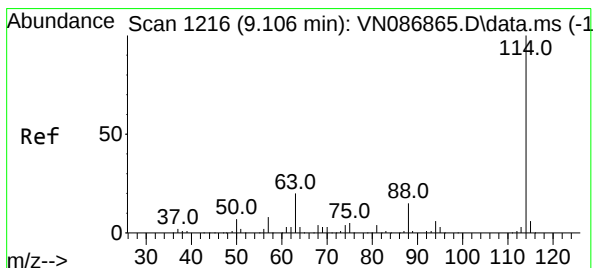
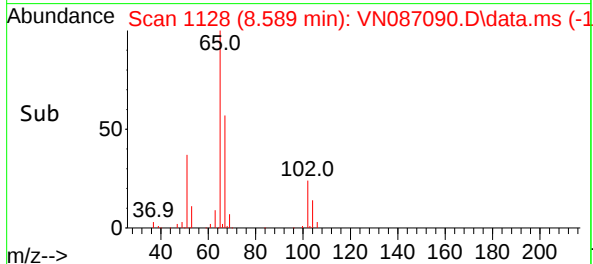
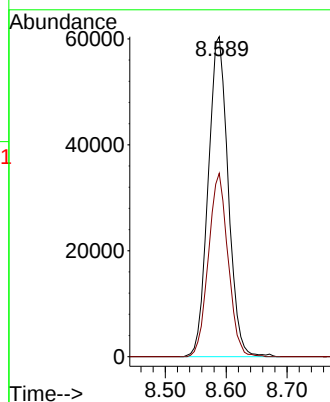
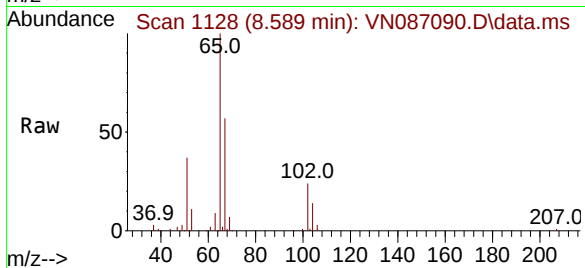
DUP04-20250613

Tgt Ion: 65 Resp: 137942

Ion Ratio Lower Upper

65 100

67 56.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087090.D

Acq: 18 Jun 2025 16:52

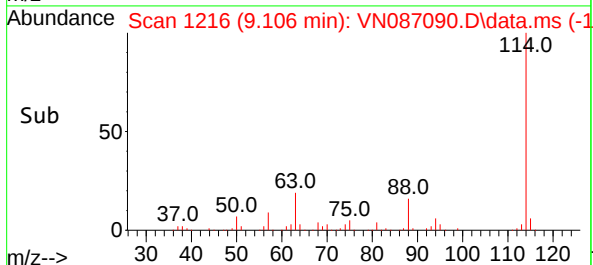
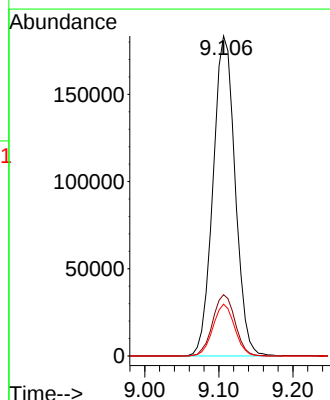
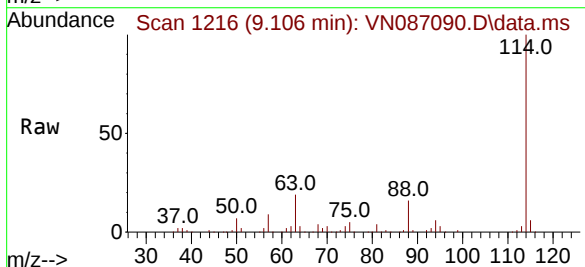
Tgt Ion: 114 Resp: 379825

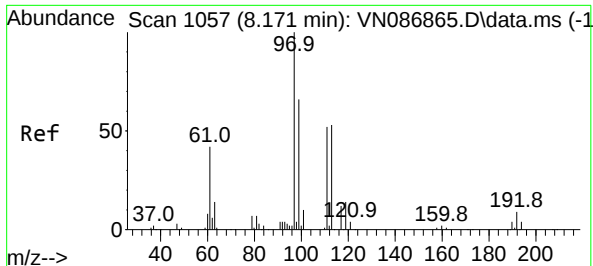
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 16.2 0.0 30.2

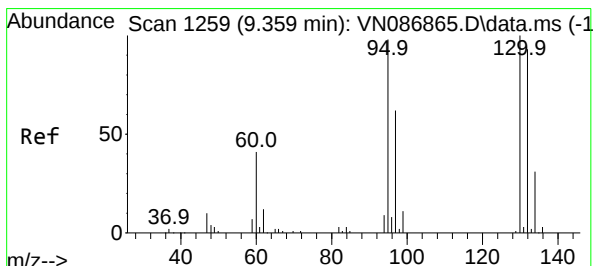
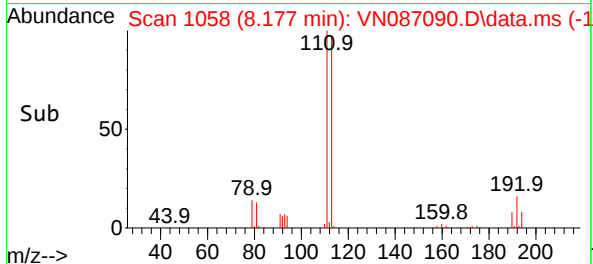
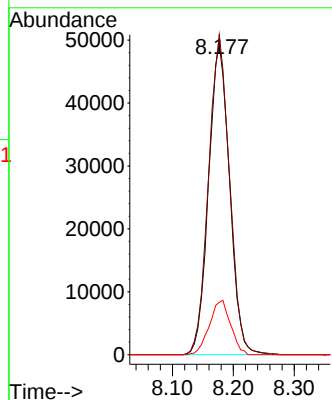
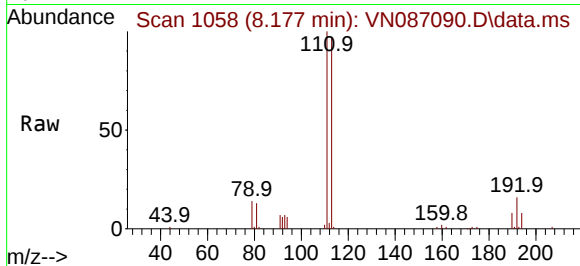




#35
Dibromofluoromethane
Concen: 52.635 ug/l
RT: 8.177 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

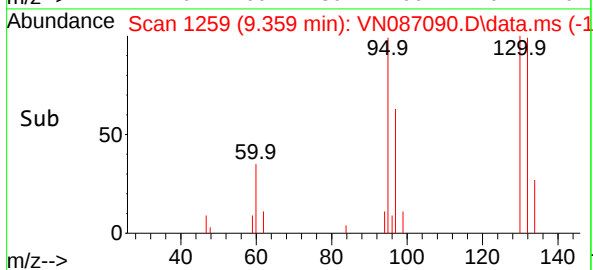
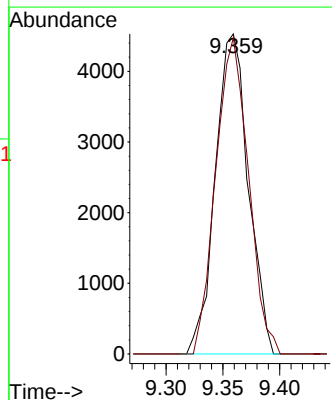
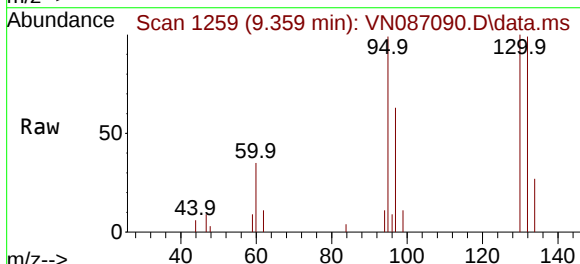
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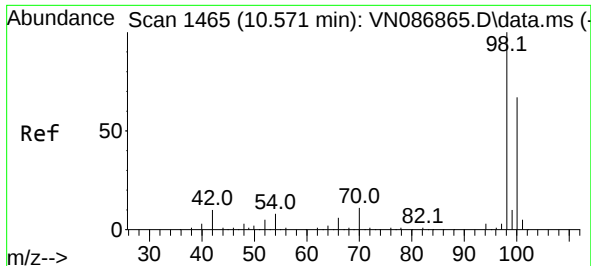
Tgt Ion:113 Resp: 118477
Ion Ratio Lower Upper
113 100
111 103.0 84.2 126.2
192 17.7 14.2 21.4



#44
Trichloroethene
Concen: 3.523 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

Tgt Ion:130 Resp: 9162
Ion Ratio Lower Upper
130 100
95 98.9 0.0 196.2

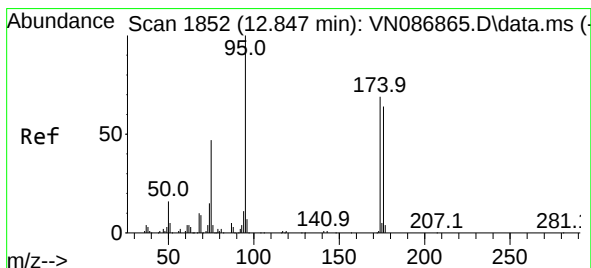
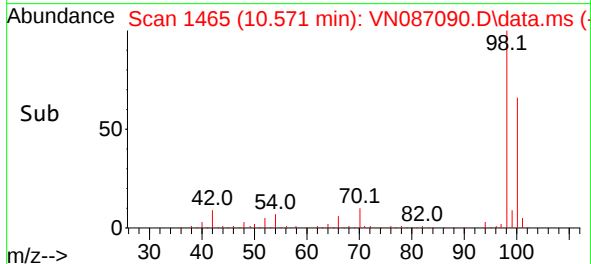
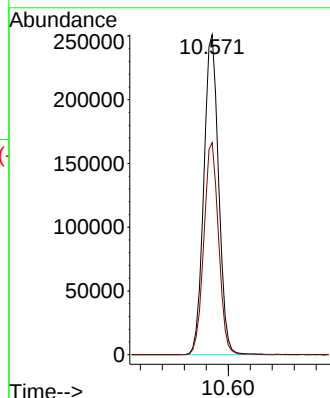
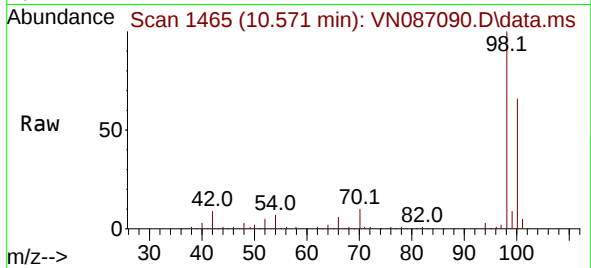




#50
Toluene-d8
Concen: 52.538 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

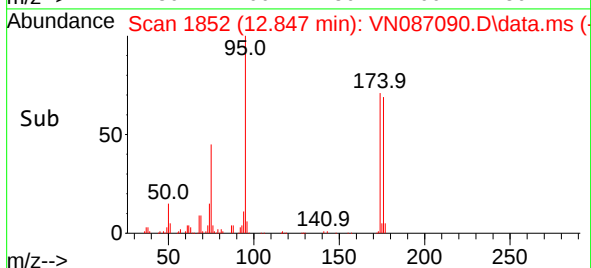
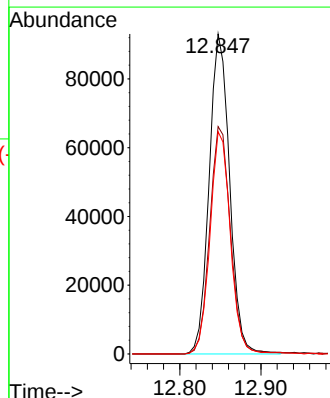
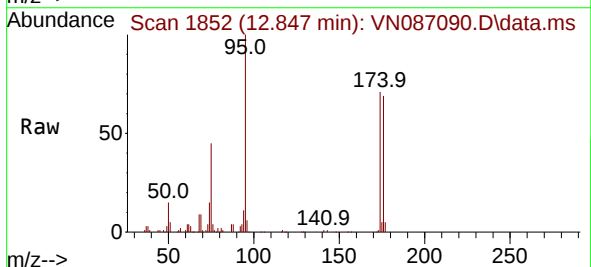
Instrument :
MSVOA_N
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DUP04-20250613

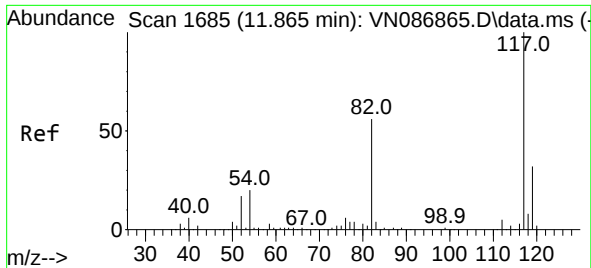
Tgt Ion: 98 Resp: 468161
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.226 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

Tgt Ion: 95 Resp: 162968
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.8
176 69.2 0.0 132.6

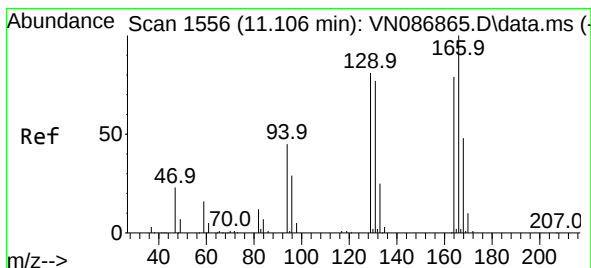
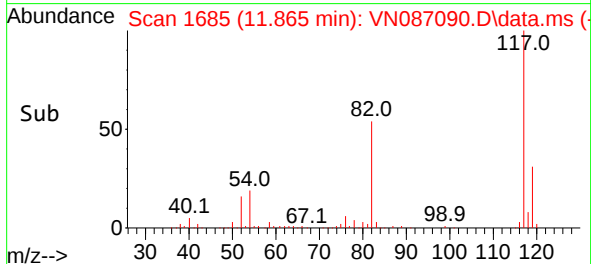
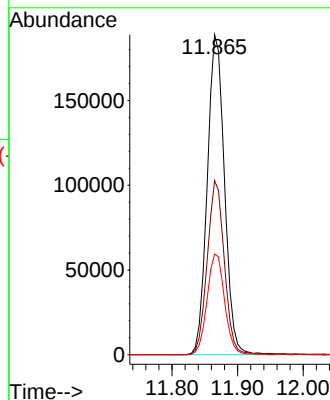
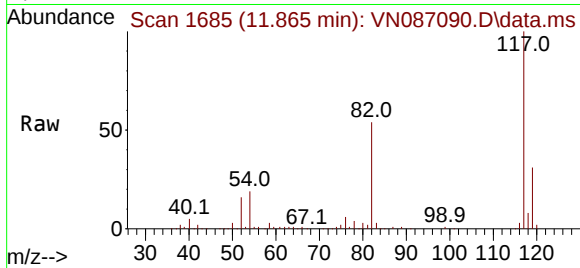




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

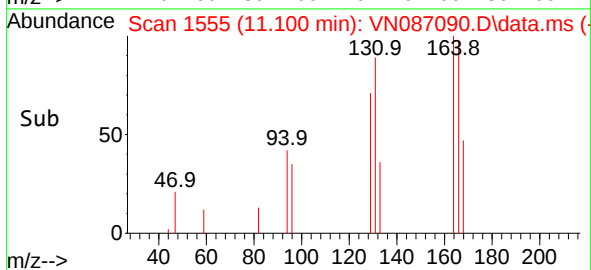
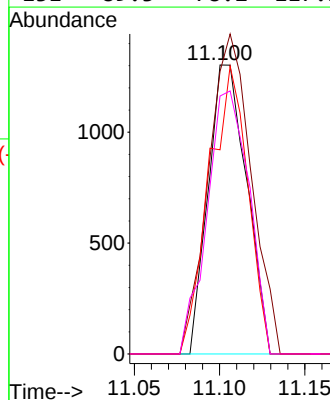
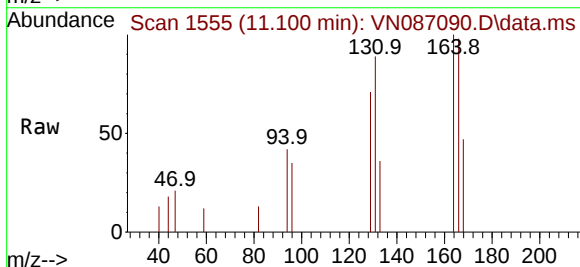
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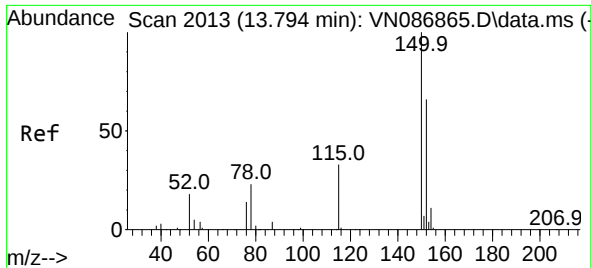
Tgt Ion:117 Resp: 344732
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 0.939 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN087090.D
Acq: 18 Jun 2025 16:52

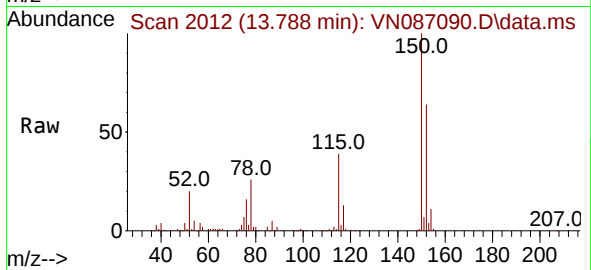
Tgt Ion:164 Resp: 2049
Ion Ratio Lower Upper
164 100
166 97.8 101.8 152.8#
129 70.7 83.0 124.4#
131 89.3 78.2 117.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087090.D
 Acq: 18 Jun 2025 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20250613



Tgt Ion:152 Resp: 162129
 Ion Ratio Lower Upper
 152 100
 115 59.9 30.1 90.5
 150 158.4 0.0 345.0

