

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087032.D
 Acq On : 16 Jun 2025 15:33
 Operator : JC\MD
 Sample : Q2299-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20250610

Quant Time: Jun 17 07:24:32 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)

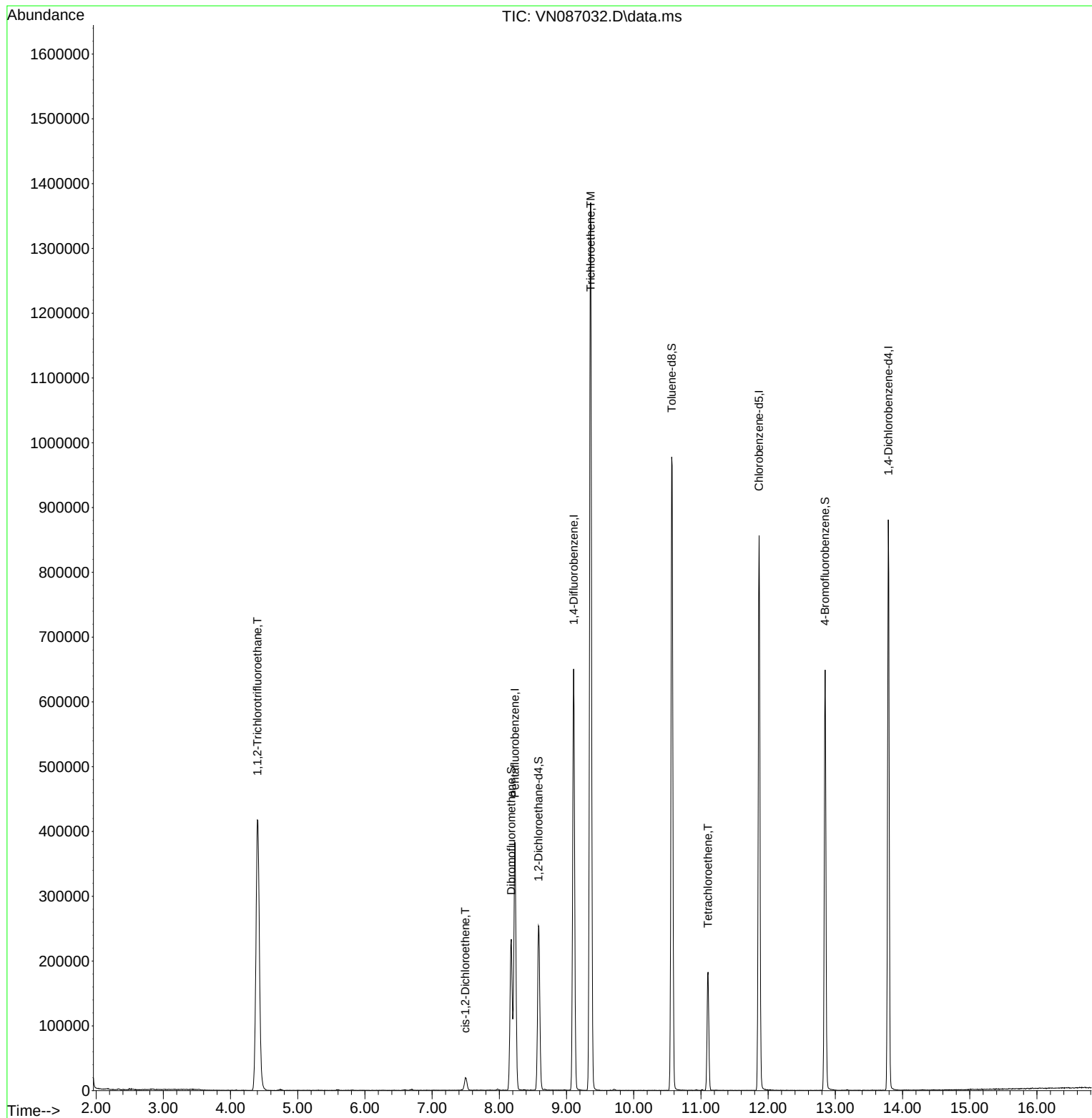
Internal Standards						
1) Pentafluorobenzene	8.230	168	301197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	600709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	535463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	254156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	209733	52.008	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.020%		
35) Dibromofluoromethane	8.177	113	181357	50.944	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.880%		
50) Toluene-d8	10.565	98	735582	52.195	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.400%		
62) 4-Bromofluorobenzene	12.847	95	259513	49.564	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.120%		
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	4.401	101	330310	100.590	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	13987	3.136	ug/l	88
44) Trichloroethene	9.359	130	544217	132.311	ug/l	100
64) Tetrachloroethene	11.106	164	45315	13.372	ug/l	98

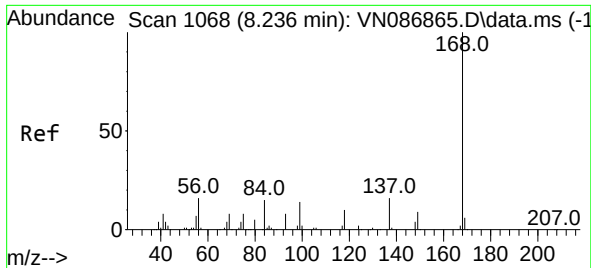
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

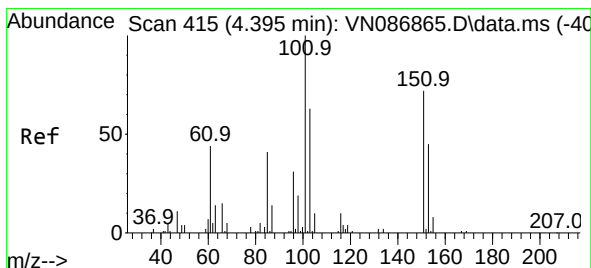
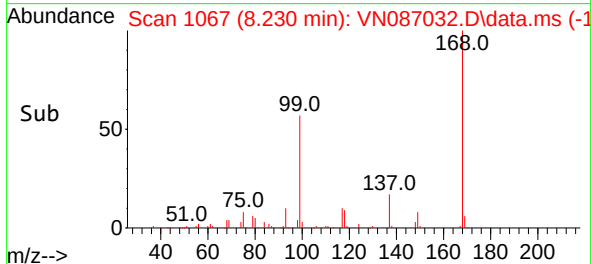
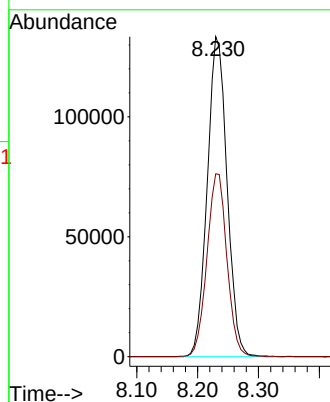
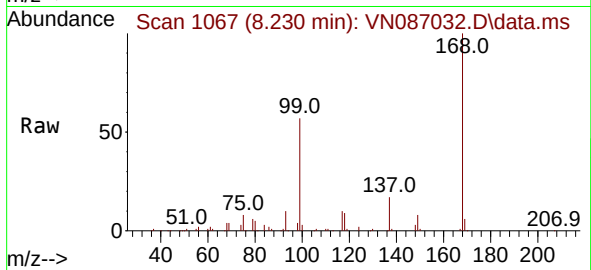




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087032.D
Acq: 16 Jun 2025 15:33

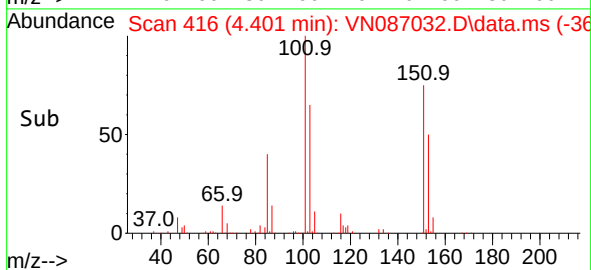
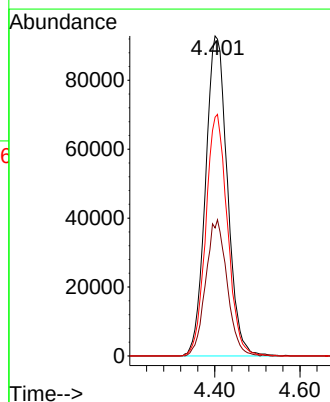
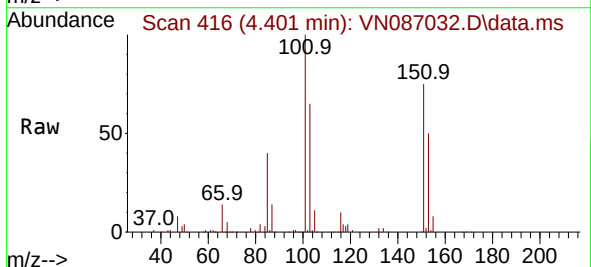
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20250610

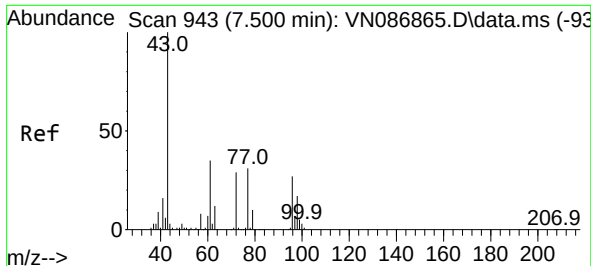
Tgt Ion:168 Resp: 301197
Ion Ratio Lower Upper
168 100
99 57.1 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.590 ug/l
RT: 4.401 min Scan# 416
Delta R.T. 0.006 min
Lab File: VN087032.D
Acq: 16 Jun 2025 15:33

Tgt Ion:101 Resp: 330310
Ion Ratio Lower Upper
101 100
85 41.7 33.8 50.8
151 74.9 58.7 88.1

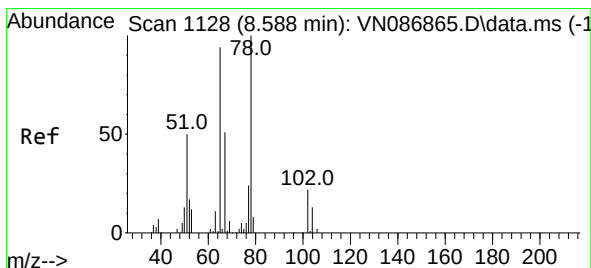
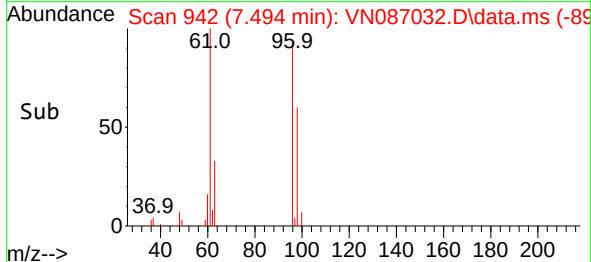
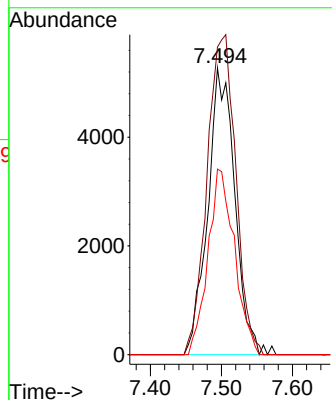
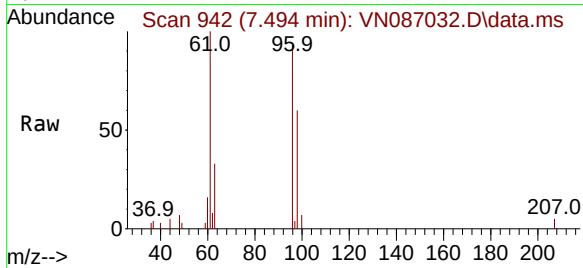




#27
 cis-1,2-Dichloroethene
 Concen: 3.136 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN087032.D
 Acq: 16 Jun 2025 15:33

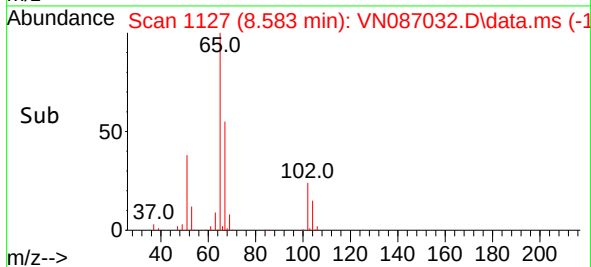
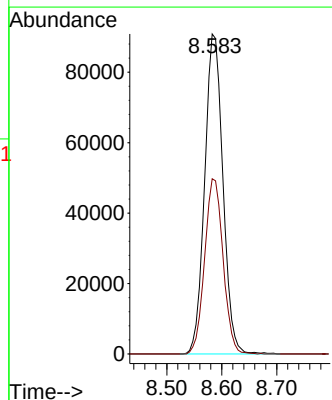
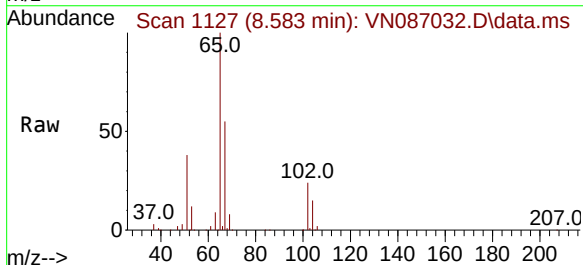
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20250610

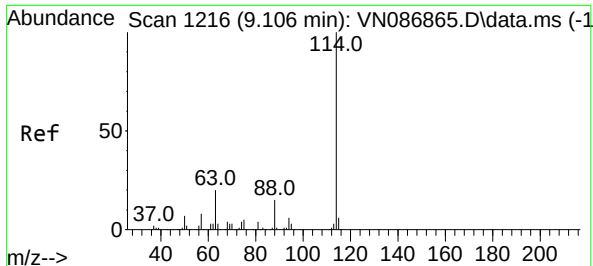
Tgt Ion: 96 Resp: 13987
 Ion Ratio Lower Upper
 96 100
 61 118.4 0.0 278.0
 98 63.3 0.0 128.2



#33
 1,2-Dichloroethane-d4
 Concen: 52.008 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VN087032.D
 Acq: 16 Jun 2025 15:33

Tgt Ion: 65 Resp: 209733
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 105.6

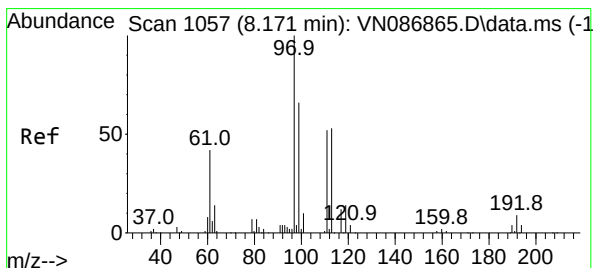
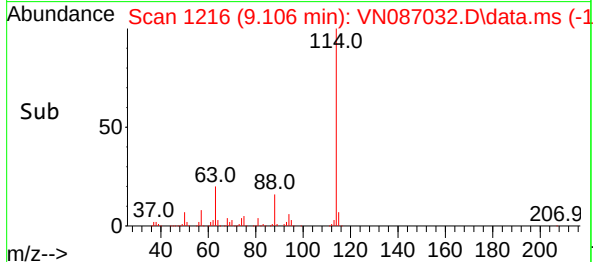
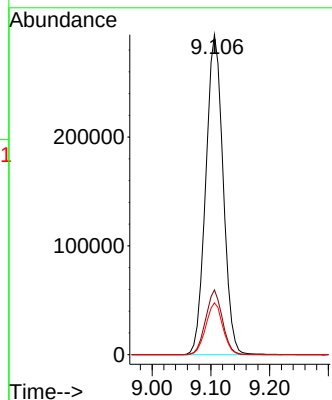
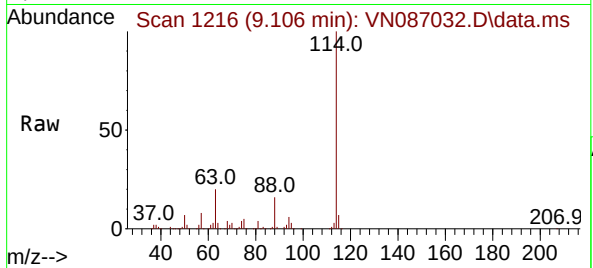




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087032.D
Acq: 16 Jun 2025 15:33

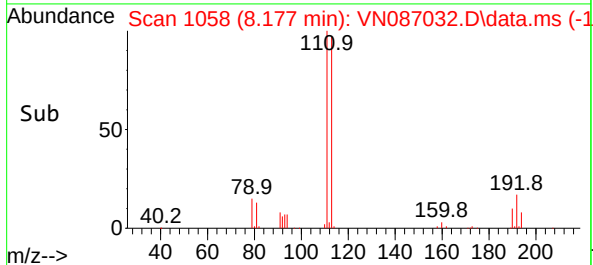
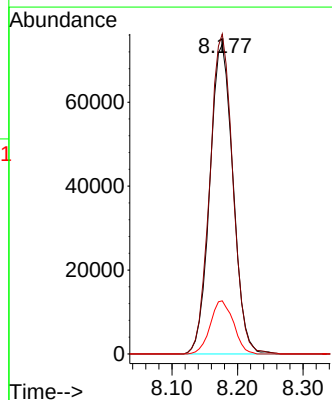
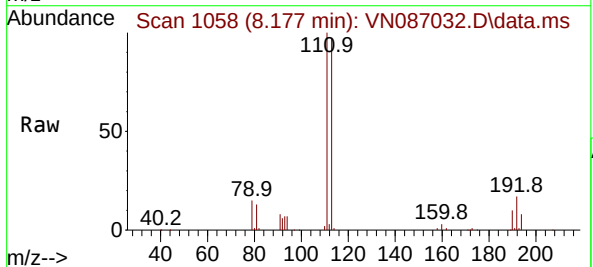
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20250610

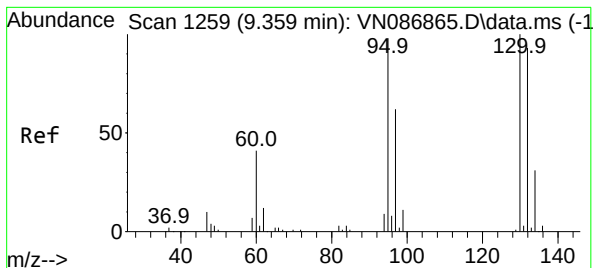
Tgt Ion:114 Resp: 600709
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.6
88 16.2 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.944 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087032.D
Acq: 16 Jun 2025 15:33

Tgt Ion:113 Resp: 181357
Ion Ratio Lower Upper
113 100
111 102.7 84.2 126.2
192 17.2 14.2 21.4





#44

Trichloroethene

Concen: 132.311 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087032.D

Acq: 16 Jun 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

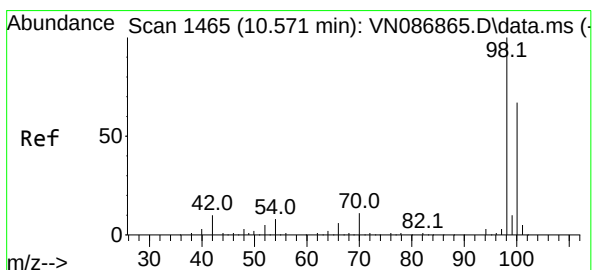
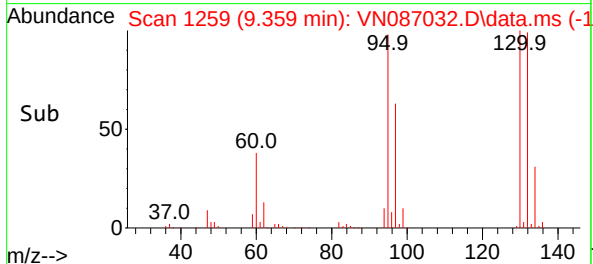
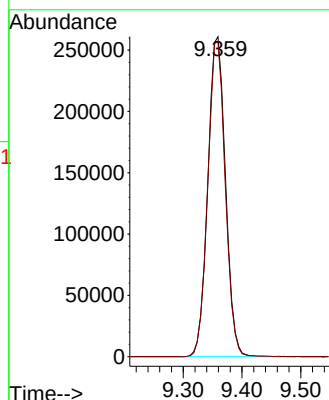
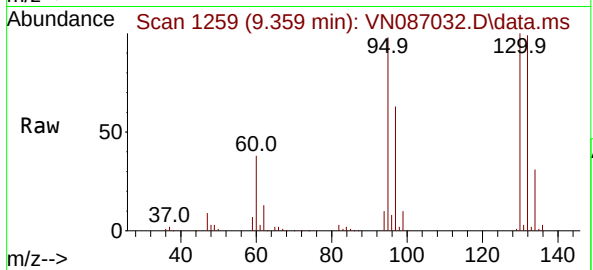
DUP02-20250610

Tgt Ion:130 Resp: 544217

Ion Ratio Lower Upper

130 100

95 98.4 0.0 196.2



#50

Toluene-d8

Concen: 52.195 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087032.D

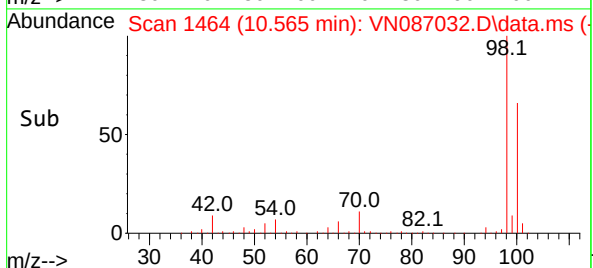
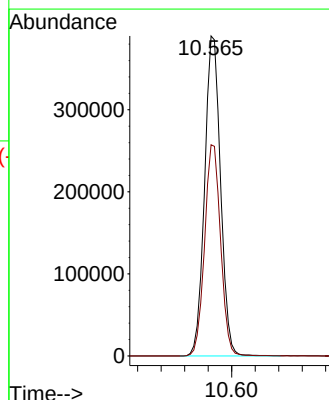
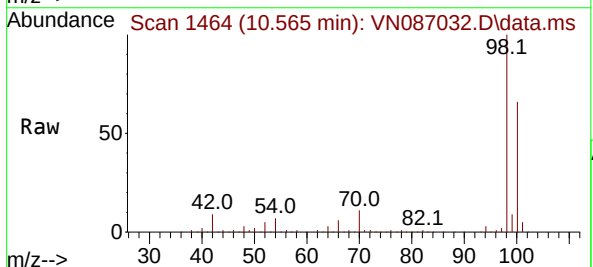
Acq: 16 Jun 2025 15:33

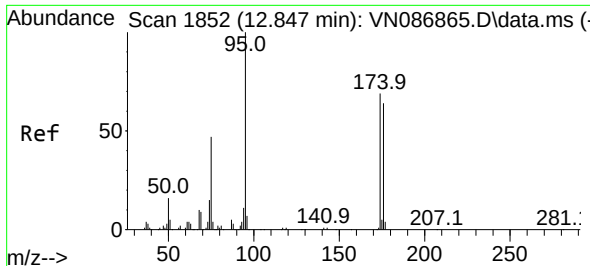
Tgt Ion: 98 Resp: 735582

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0

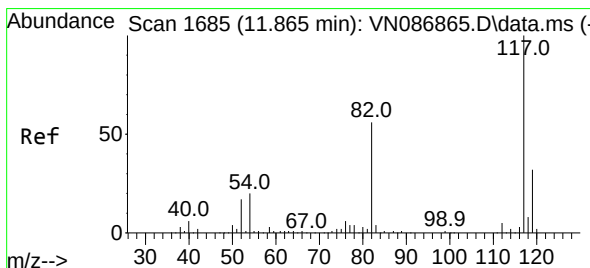
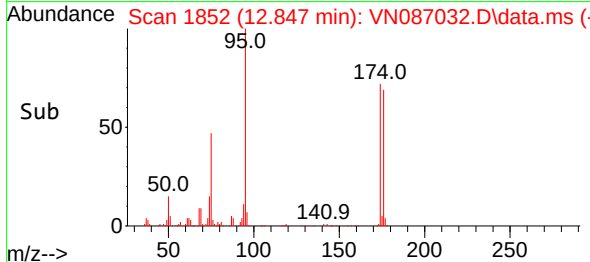
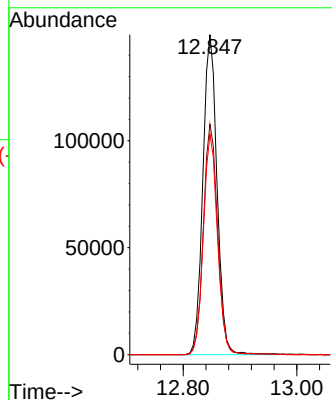
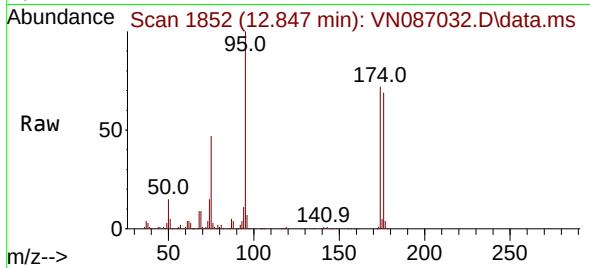




#62
4-Bromofluorobenzene
Concen: 49.564 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087032.D
Acq: 16 Jun 2025 15:33

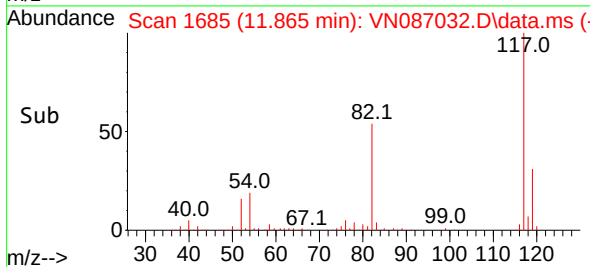
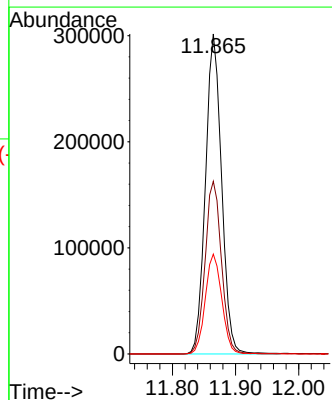
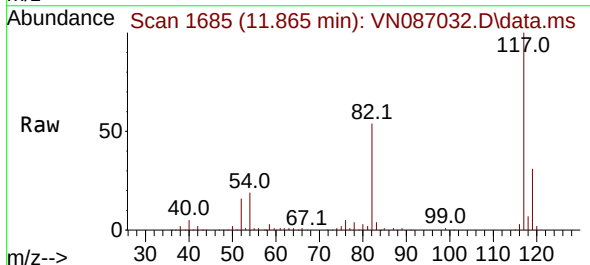
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DUP02-20250610

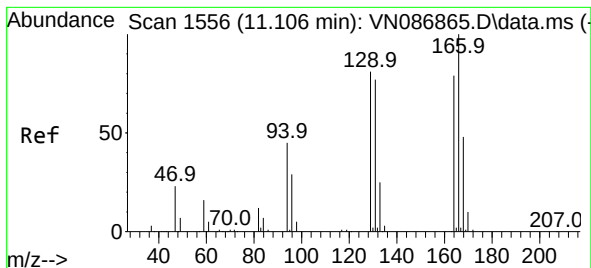
Tgt Ion: 95 Resp: 259513
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 68.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087032.D
Acq: 16 Jun 2025 15:33

Tgt Ion: 117 Resp: 535463
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 31.2 25.5 38.3





#64

Tetrachloroethene

Concen: 13.372 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087032.D

Acq: 16 Jun 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

DUP02-20250610

Tgt Ion:164 Resp: 45315

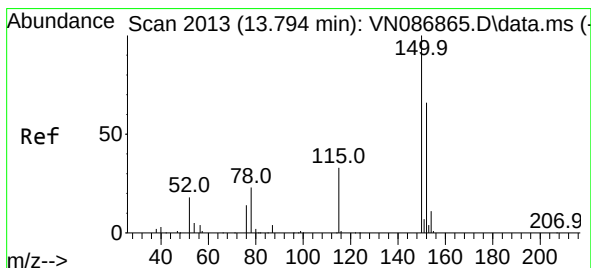
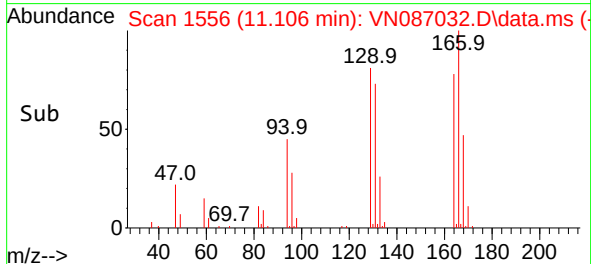
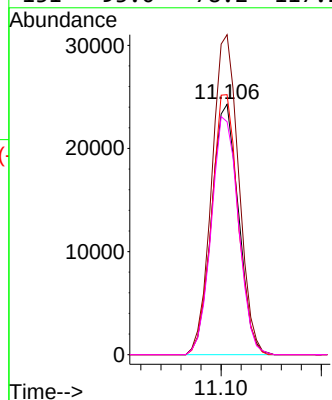
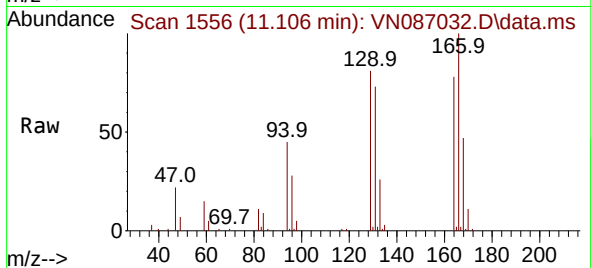
Ion Ratio Lower Upper

164 100

166 127.8 101.8 152.8

129 103.8 83.0 124.4

131 93.0 78.2 117.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087032.D

Acq: 16 Jun 2025 15:33

Tgt Ion:152 Resp: 254156

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.5

150 158.4 0.0 345.0

