

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087088.D
 Acq On : 18 Jun 2025 16:08
 Operator : JC\MD
 Sample : Q2329-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20250613

Quant Time: Jun 19 01:30:47 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)

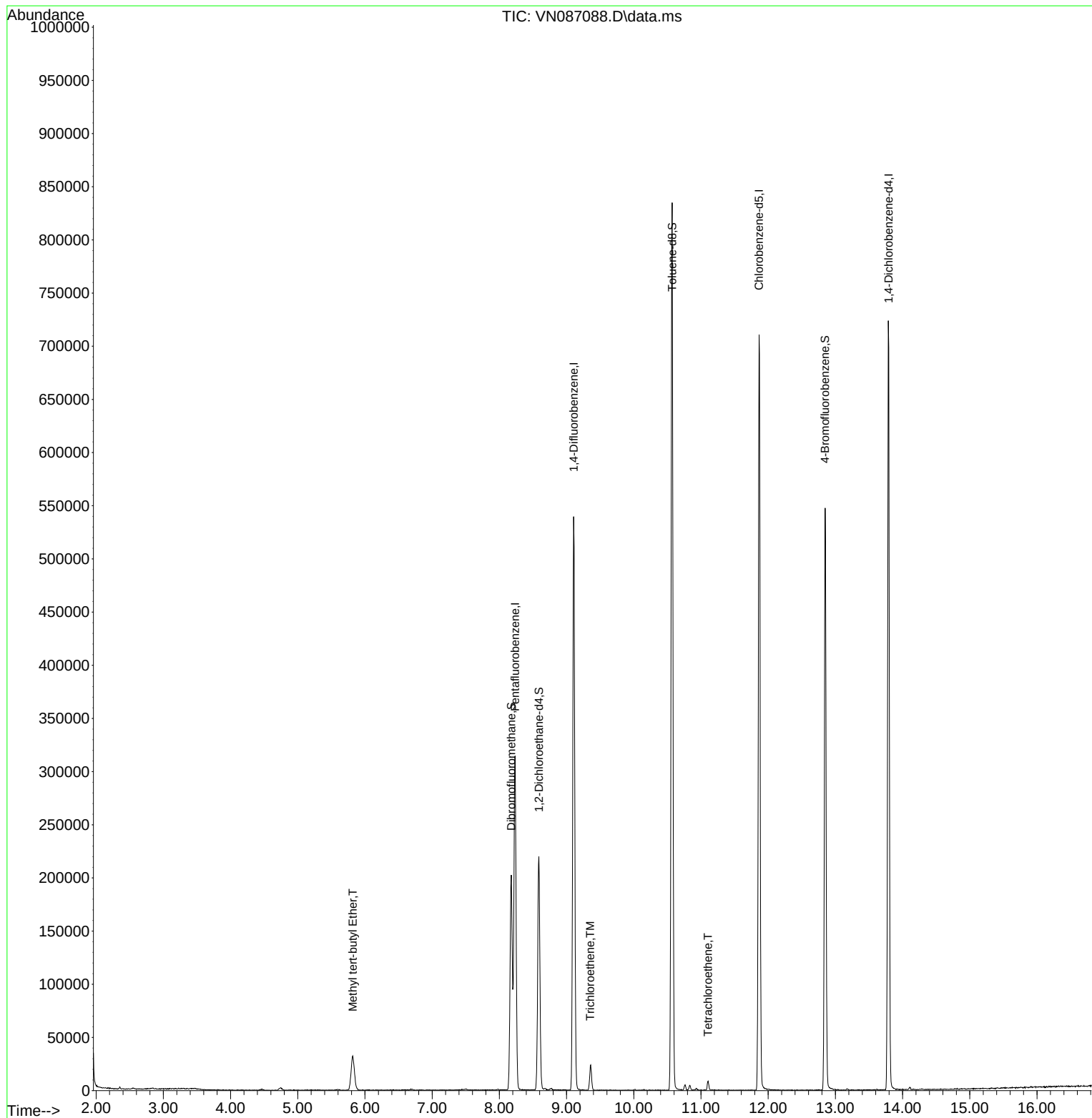
Internal Standards						
1) Pentafluorobenzene	8.235	168	253025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	501869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	459032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	180231	53.201	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.400%		
35) Dibromofluoromethane	8.177	113	157046	52.803	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.600%		
50) Toluene-d8	10.571	98	619300	52.599	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.200%		
62) 4-Bromofluorobenzene	12.847	95	221136	50.552	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.100%		
Target Compounds						
						Qvalue
19) Methyl tert-butyl Ether	5.818	73	57929	5.681	ug/l	98
44) Trichloroethene	9.353	130	9488	2.761	ug/l	98
64) Tetrachloroethene	11.106	164	2065	0.711	ug/l #	75

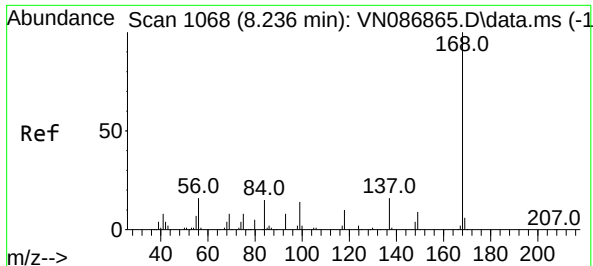
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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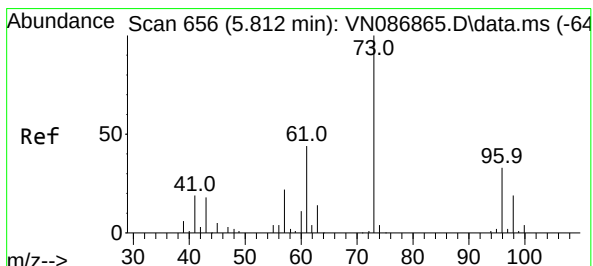
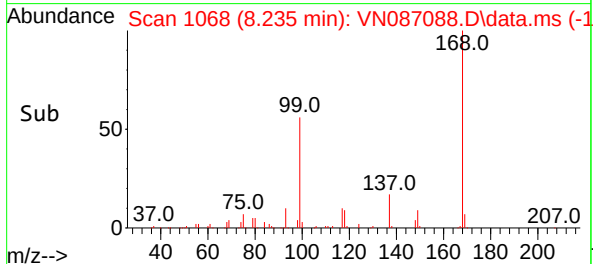
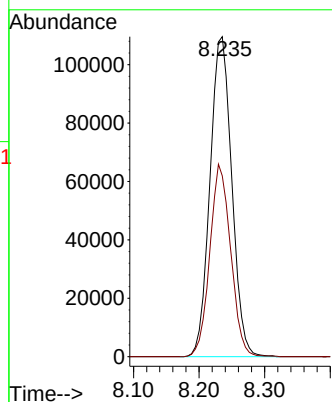
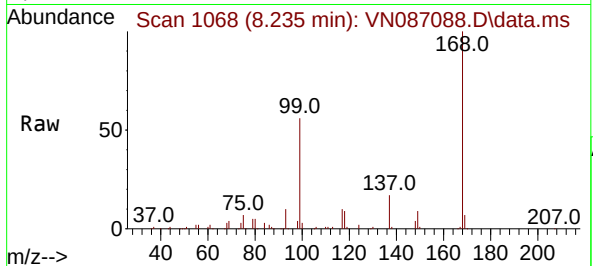




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087088.D
Acq: 18 Jun 2025 16:08

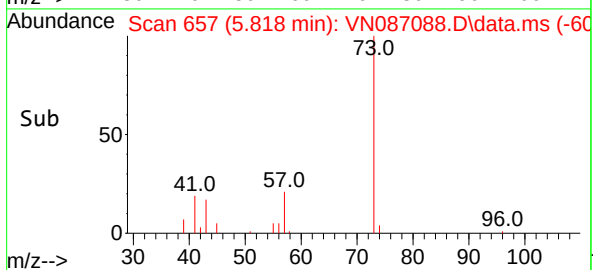
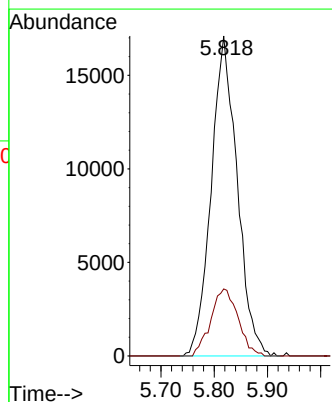
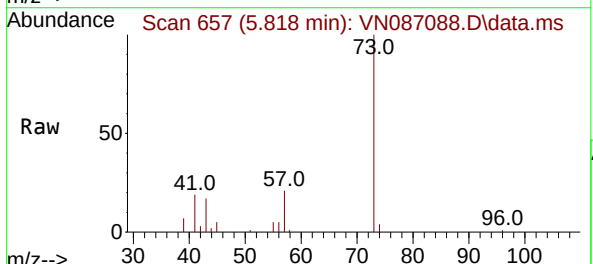
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20250613

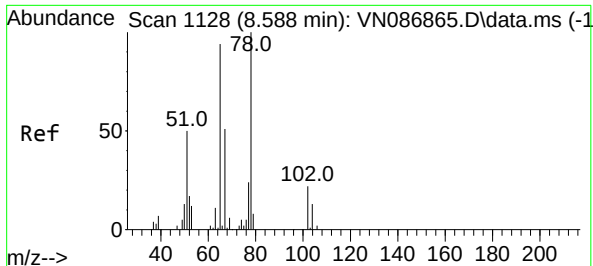
Tgt Ion:168 Resp: 253025
Ion Ratio Lower Upper
168 100
99 56.5 49.1 73.7



#19
Methyl tert-butyl Ether
Concen: 5.681 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN087088.D
Acq: 18 Jun 2025 16:08

Tgt Ion: 73 Resp: 57929
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2





#33

1,2-Dichloroethane-d4

Concen: 53.201 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087088.D

Acq: 18 Jun 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

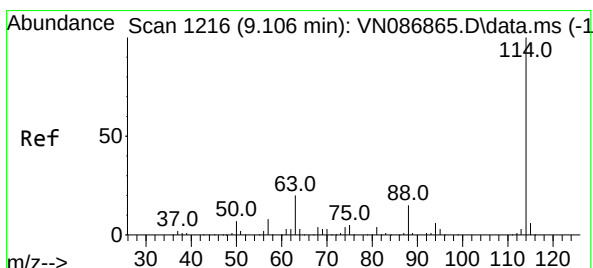
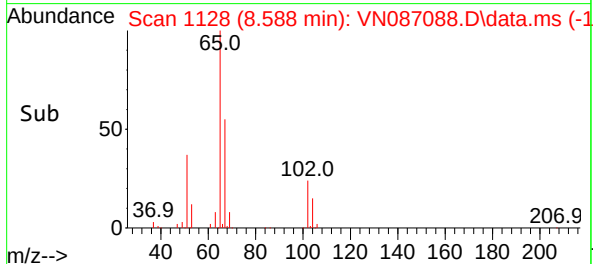
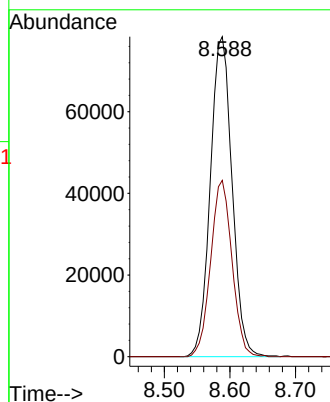
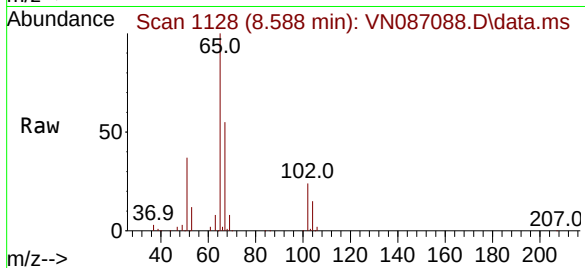
TT149S1-20250613

Tgt Ion: 65 Resp: 180231

Ion Ratio Lower Upper

65 100

67 54.1 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: VN087088.D

Acq: 18 Jun 2025 16:08

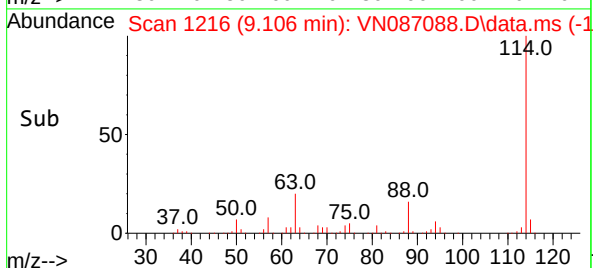
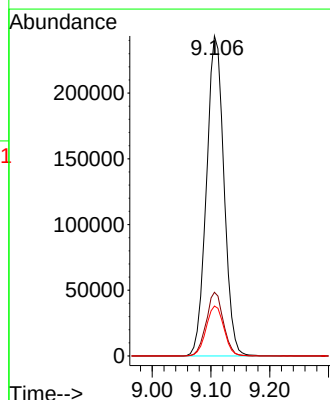
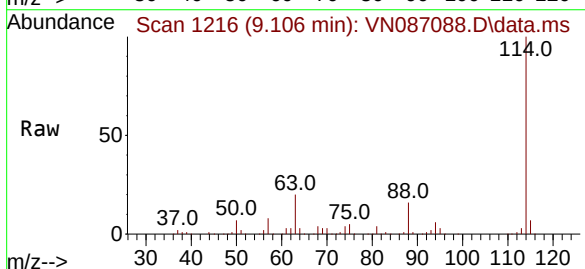
Tgt Ion: 114 Resp: 501869

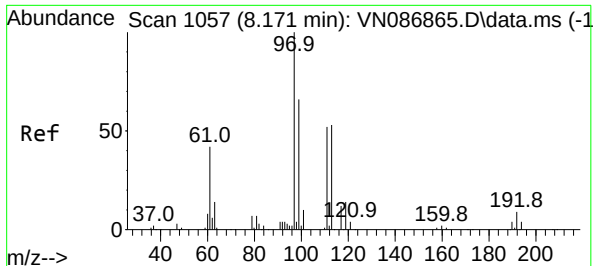
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.803 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087088.D

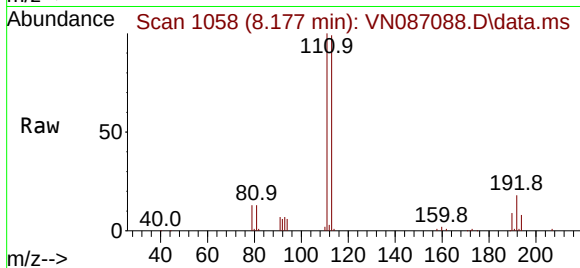
Acq: 18 Jun 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

TT149S1-20250613



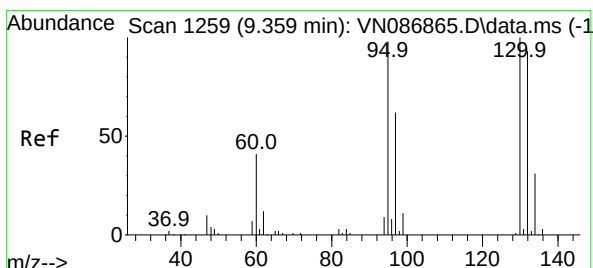
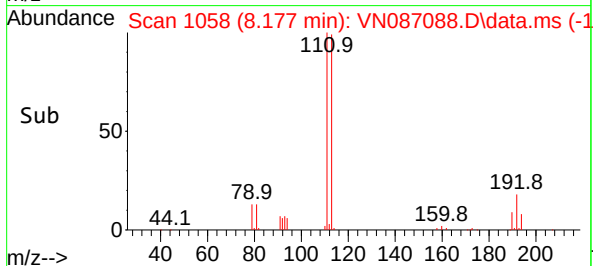
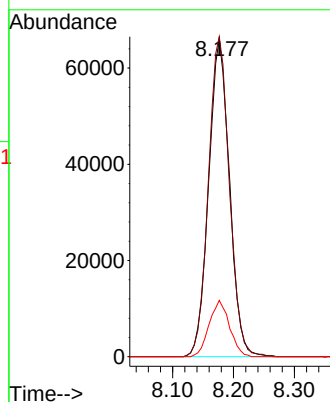
Tgt Ion:113 Resp: 157046

Ion Ratio Lower Upper

113 100

111 101.5 84.2 126.2

192 17.3 14.2 21.4



#44

Trichloroethene

Concen: 2.761 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.006 min

Lab File: VN087088.D

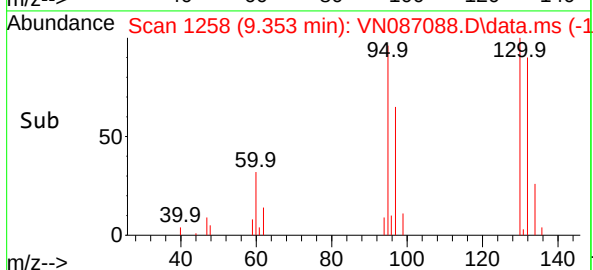
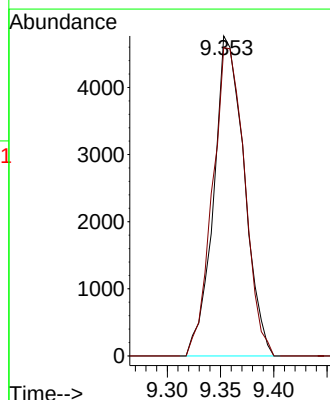
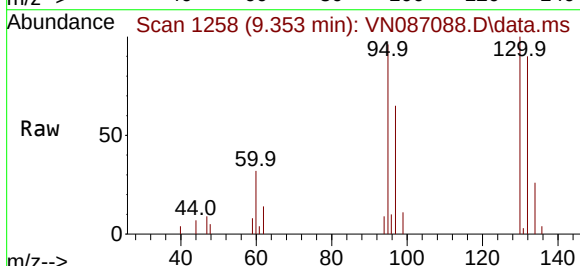
Acq: 18 Jun 2025 16:08

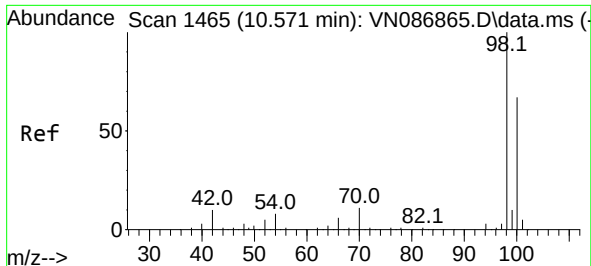
Tgt Ion:130 Resp: 9488

Ion Ratio Lower Upper

130 100

95 96.4 0.0 196.2

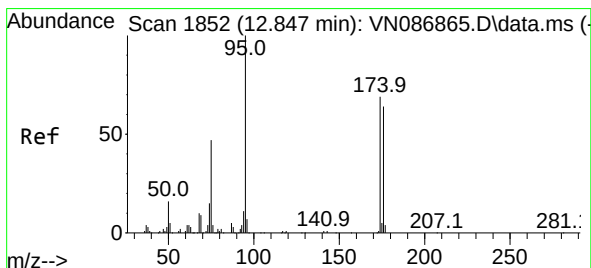
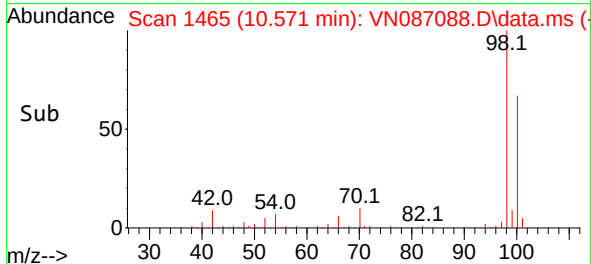
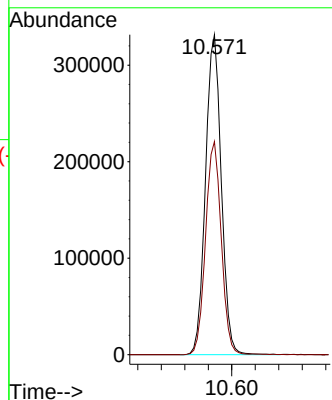
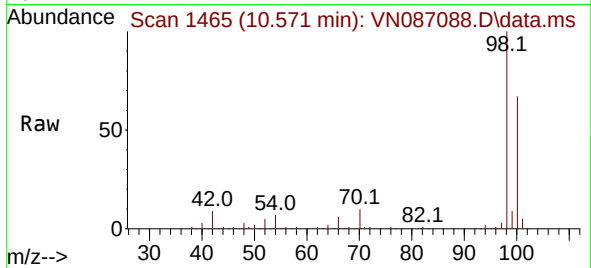




#50
Toluene-d8
Concen: 52.599 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087088.D
Acq: 18 Jun 2025 16:08

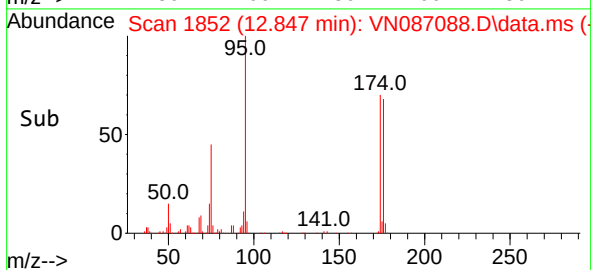
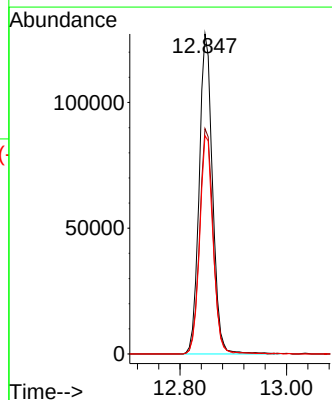
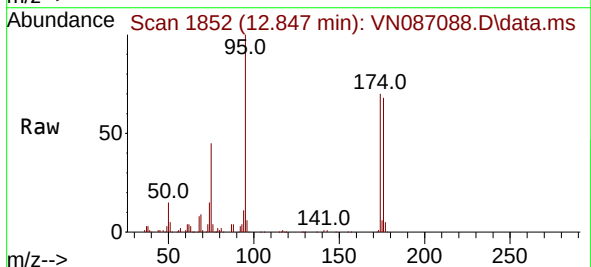
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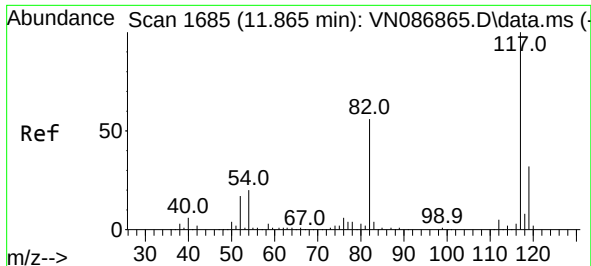
Tgt Ion: 98 Resp: 619300
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 50.552 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087088.D
Acq: 18 Jun 2025 16:08

Tgt Ion: 95 Resp: 221136
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.8
176 68.0 0.0 132.6

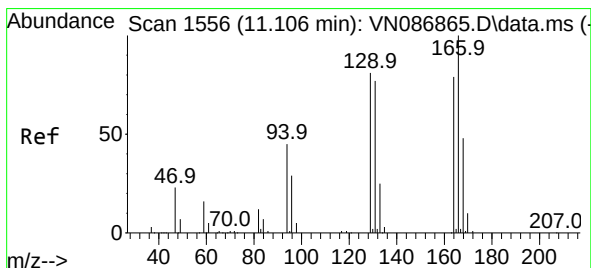
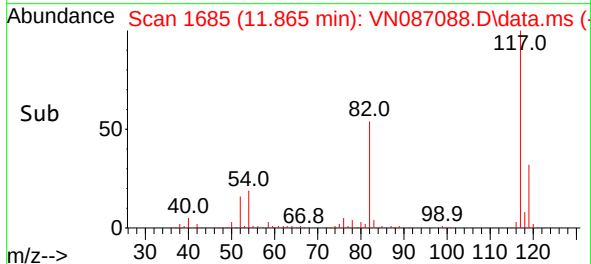
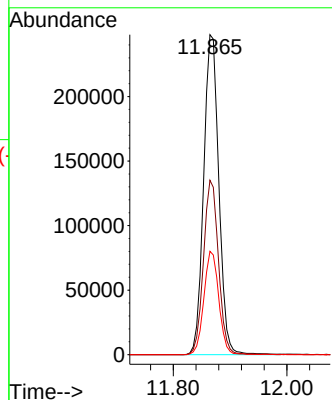
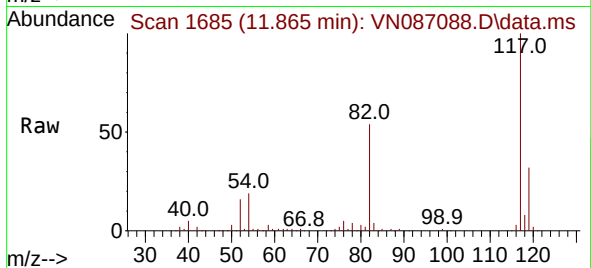




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087088.D
Acq: 18 Jun 2025 16:08

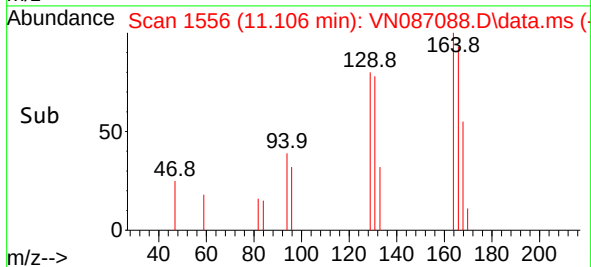
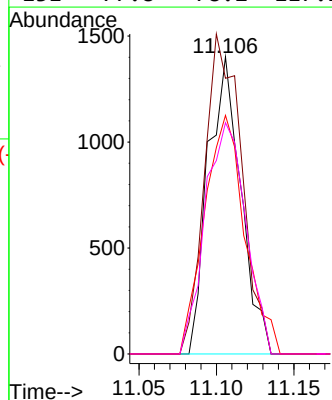
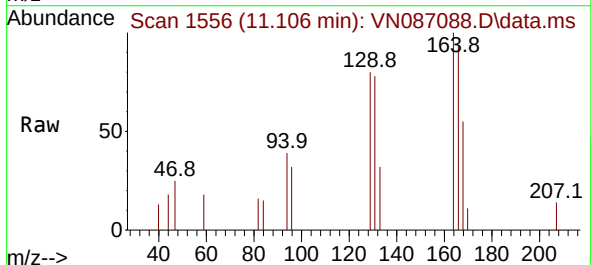
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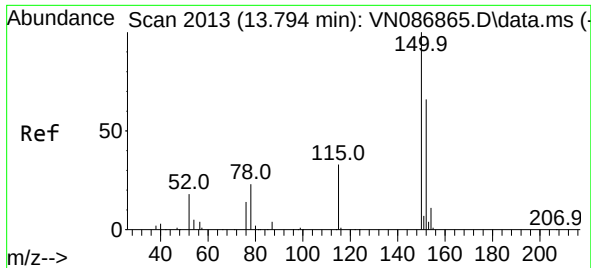
Tgt Ion:117 Resp: 459032
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.711 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087088.D
Acq: 18 Jun 2025 16:08

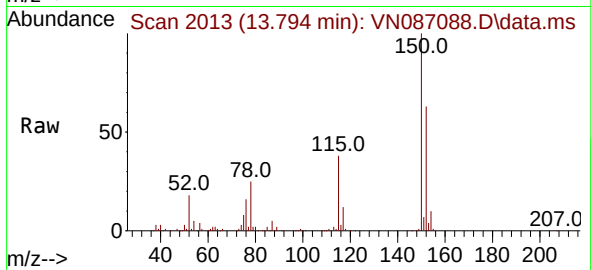
Tgt Ion:164 Resp: 2065
Ion Ratio Lower Upper
164 100
166 92.8 101.8 152.8#
129 80.3 83.0 124.4#
131 77.8 78.2 117.2#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087088.D
 Acq: 18 Jun 2025 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20250613



Tgt Ion:152 Resp: 210865
 Ion Ratio Lower Upper
 152 100
 115 61.8 30.1 90.5
 150 161.0 0.0 345.0

