

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087036.D
 Acq On : 16 Jun 2025 16:58
 Operator : JC\MD
 Sample : Q2299-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT190D1-20250611

Quant Time: Jun 17 07:26:18 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)

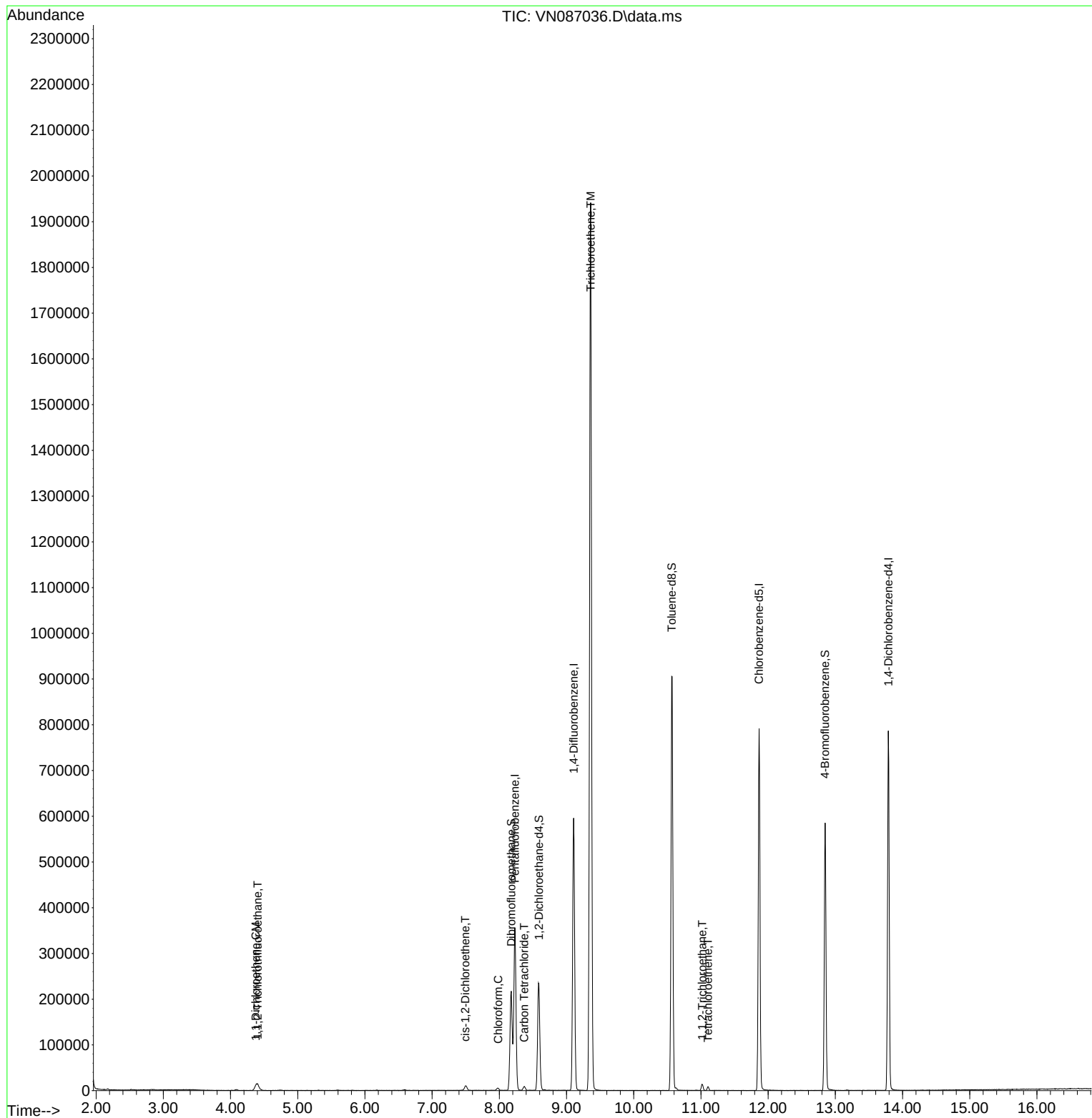
Internal Standards						
1) Pentafluorobenzene	8.230	168	278563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	553254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	491886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	231060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	194575	52.170	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.340%		
35) Dibromofluoromethane	8.177	113	166785	50.869	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.740%		
50) Toluene-d8	10.565	98	677454	52.194	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.380%		
62) 4-Bromofluorobenzene	12.847	95	235565	48.849	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 97.700%		
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.406	101	10209	3.362	ug/l	100
12) 1,1-Dichloroethene	4.377	96	4911	1.584	ug/l #	78
27) cis-1,2-Dichloroethene	7.494	96	7455	1.807	ug/l	83
30) Chloroform	7.983	83	6026	0.967	ug/l	89
38) Carbon Tetrachloride	8.371	117	7168	1.494	ug/l	87
44) Trichloroethene	9.359	130	765405	202.049	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	5472	1.457	ug/l #	89
64) Tetrachloroethene	11.106	164	2130	0.684	ug/l #	84

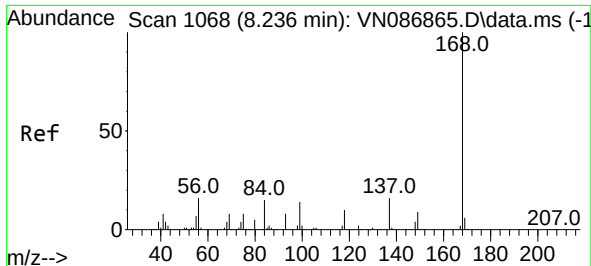
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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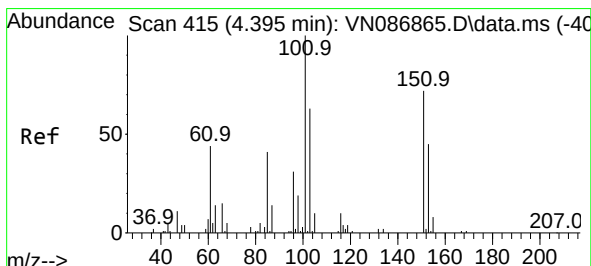
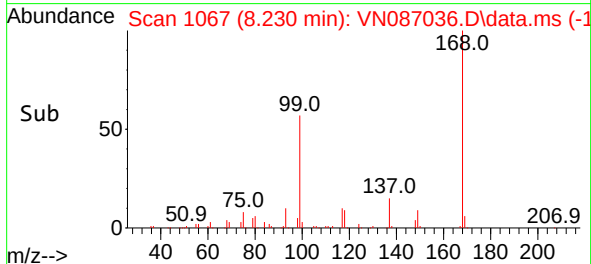
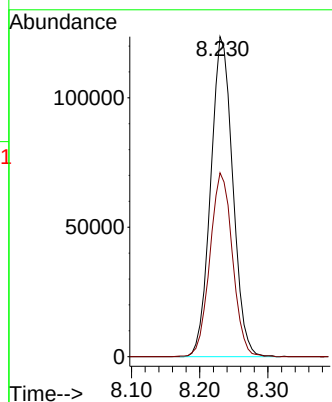
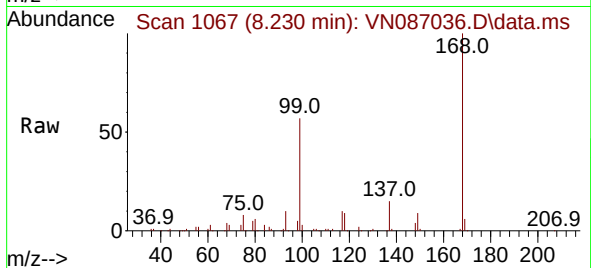




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

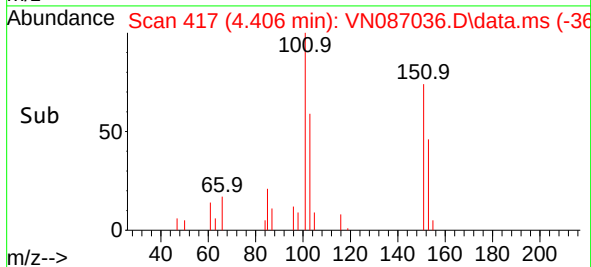
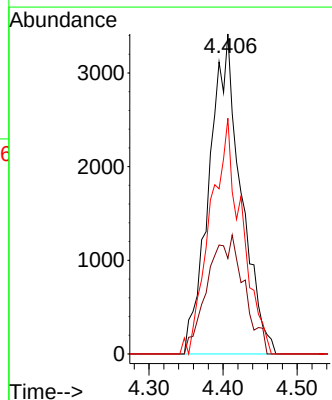
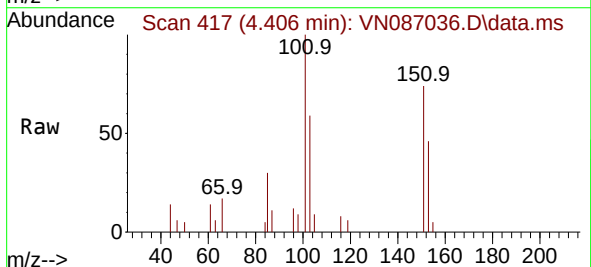
Instrument :
MSVOA_N
ClientSampleId :
TT190D1-20250611

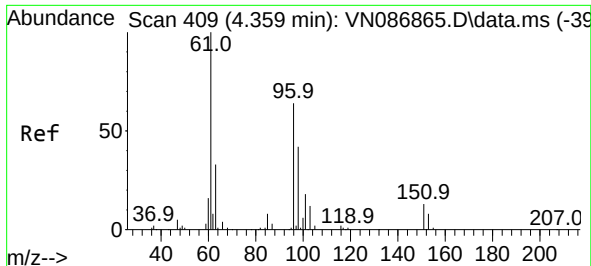
Tgt Ion:168 Resp: 278563
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.362 ug/l
RT: 4.406 min Scan# 417
Delta R.T. 0.012 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

Tgt Ion:101 Resp: 10209
Ion Ratio Lower Upper
101 100
85 42.5 33.8 50.8
151 73.0 58.7 88.1

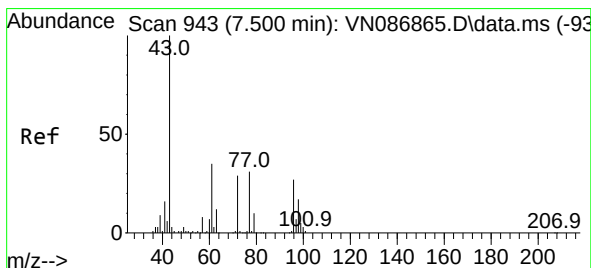
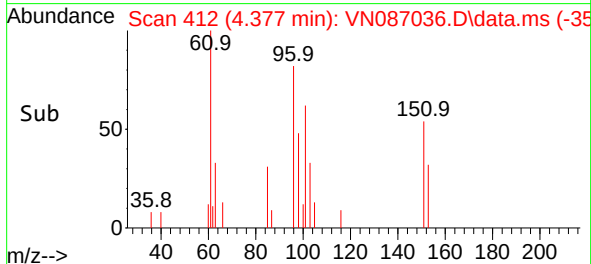
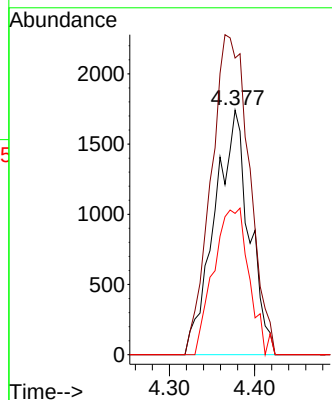
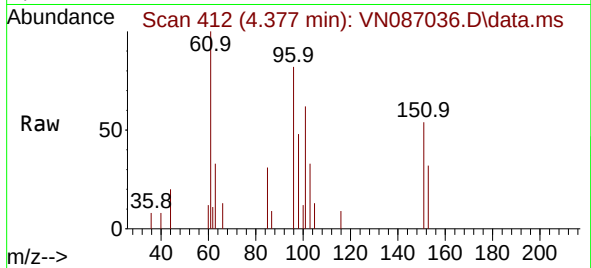




#12
 1,1-Dichloroethene
 Concen: 1.584 ug/l
 RT: 4.377 min Scan# 411
 Delta R.T. 0.018 min
 Lab File: VN087036.D
 Acq: 16 Jun 2025 16:58

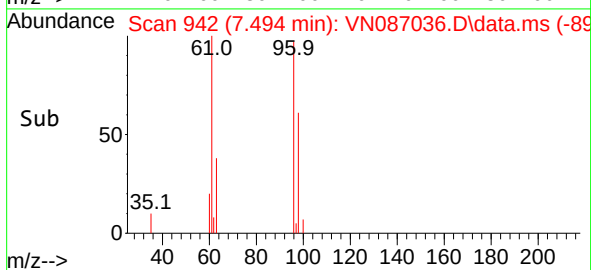
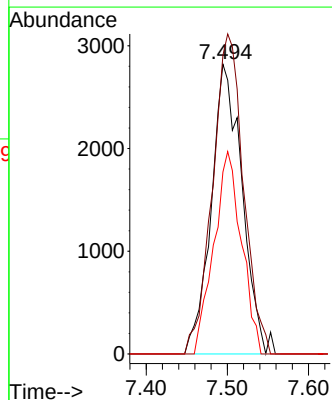
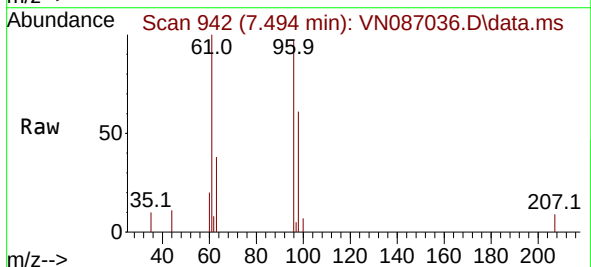
Instrument :
 MSVOA_N
 ClientSampleId :
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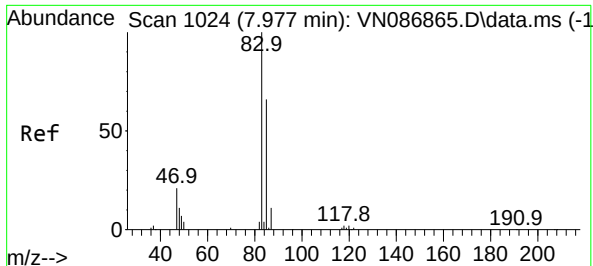
Tgt Ion: 96 Resp: 4911
 Ion Ratio Lower Upper
 96 100
 61 121.4 125.8 188.6#
 98 57.8 52.5 78.7



#27
 cis-1,2-Dichloroethene
 Concen: 1.807 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. -0.006 min
 Lab File: VN087036.D
 Acq: 16 Jun 2025 16:58

Tgt Ion: 96 Resp: 7455
 Ion Ratio Lower Upper
 96 100
 61 110.5 0.0 278.0
 98 62.5 0.0 128.2





#30

Chloroform

Concen: 0.967 ug/l

RT: 7.983 min Scan# 1025

Delta R.T. 0.006 min

Lab File: VN087036.D

Acq: 16 Jun 2025 16:58

Instrument :

MSVOA_N

ClientSampleId :

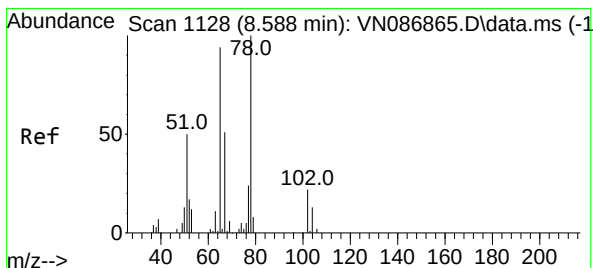
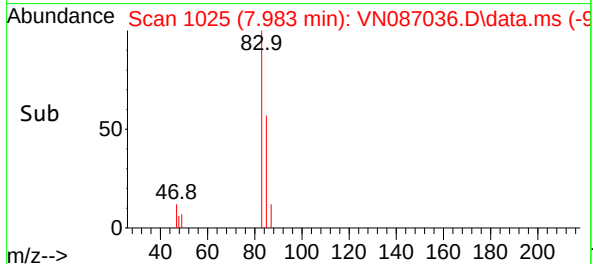
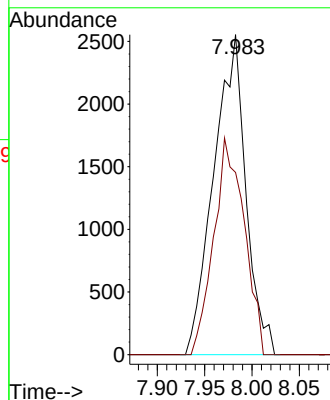
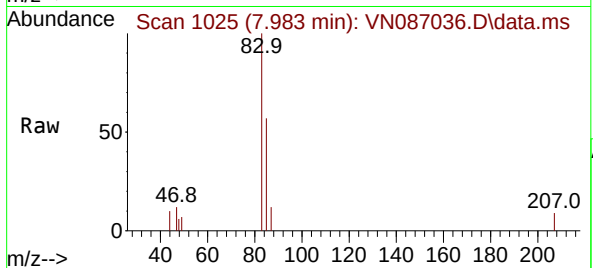
TT190D1-20250611

Tgt Ion: 83 Resp: 6026

Ion Ratio Lower Upper

83 100

85 57.0 52.9 79.3



#33

1,2-Dichloroethane-d4

Concen: 52.170 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN087036.D

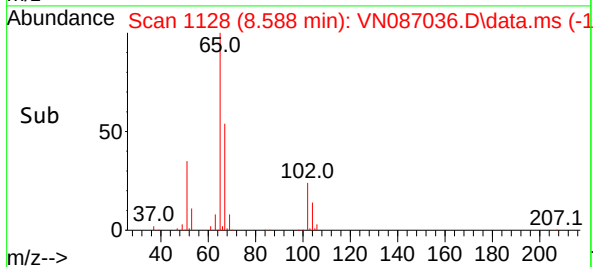
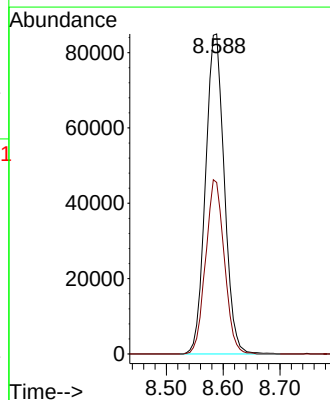
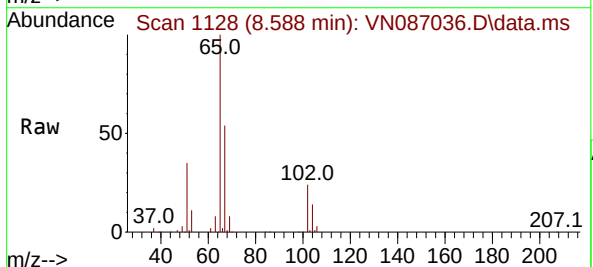
Acq: 16 Jun 2025 16:58

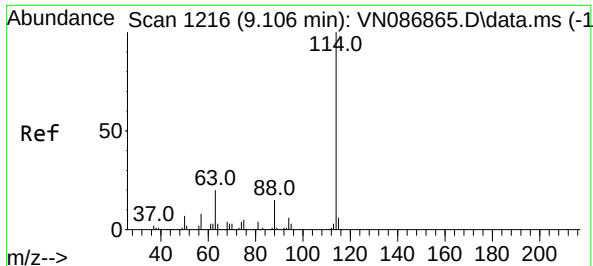
Tgt Ion: 65 Resp: 194575

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.6

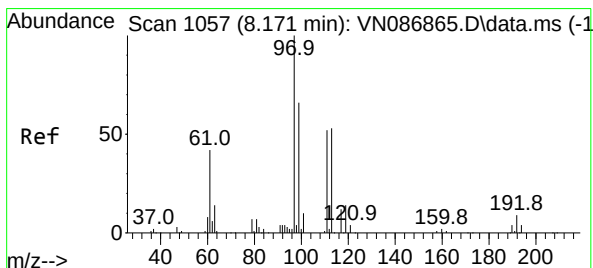
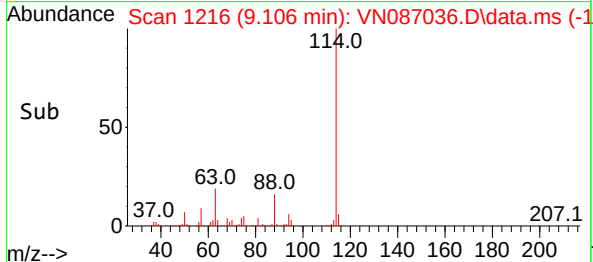
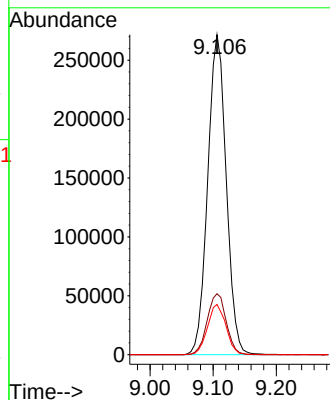
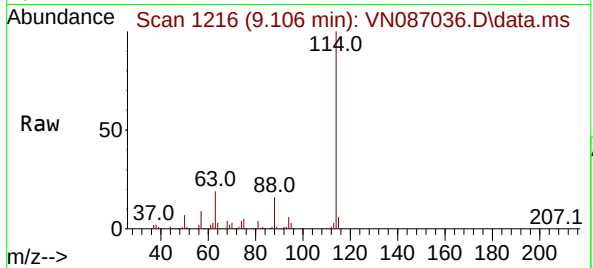




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

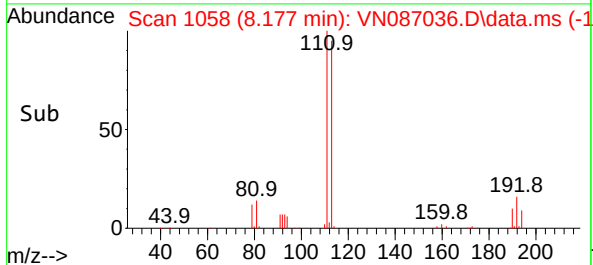
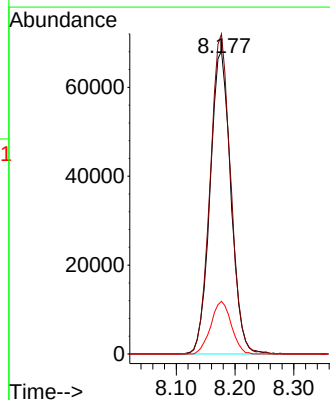
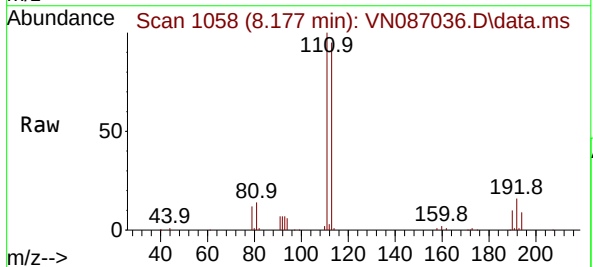
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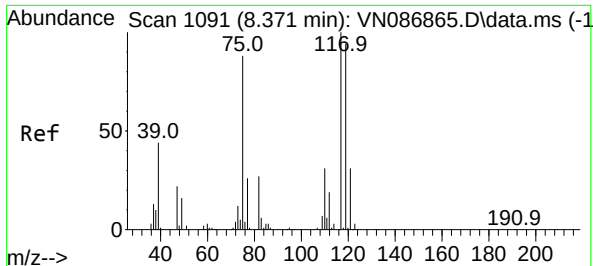
Tgt Ion:114 Resp: 553254
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.6
88 15.7 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.869 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

Tgt Ion:113 Resp: 166785
Ion Ratio Lower Upper
113 100
111 104.2 84.2 126.2
192 17.2 14.2 21.4

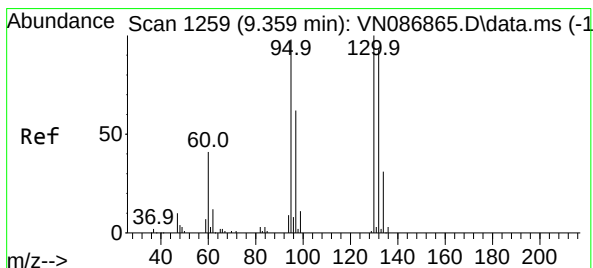
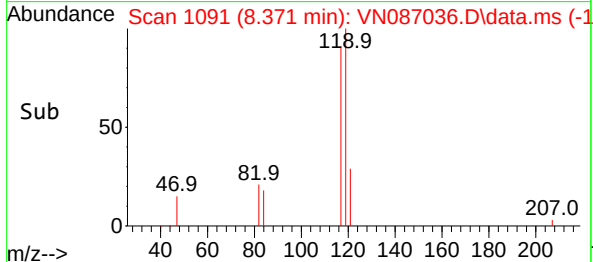
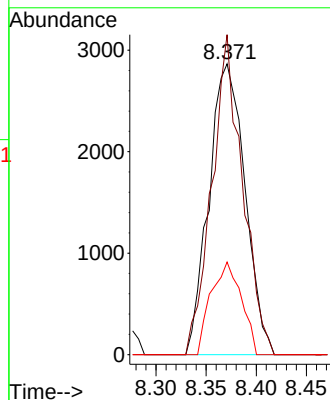
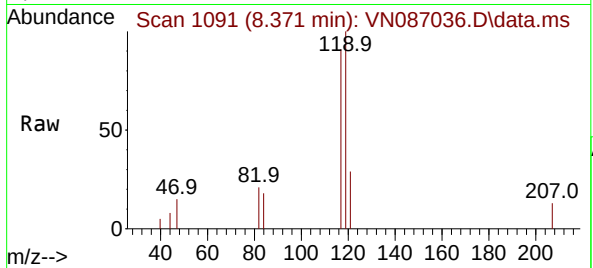




#38
Carbon Tetrachloride
Concen: 1.494 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

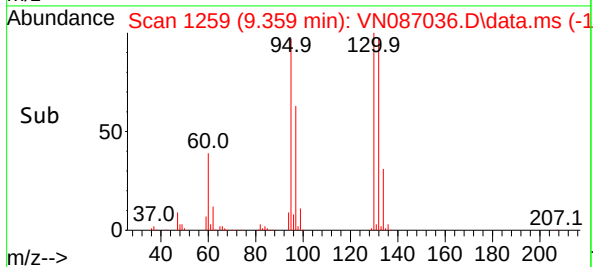
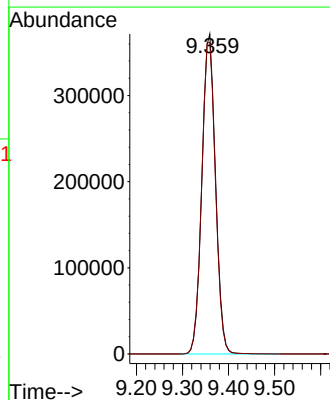
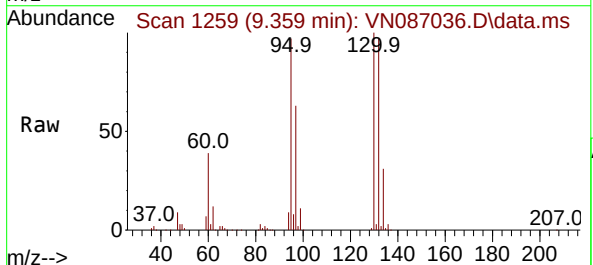
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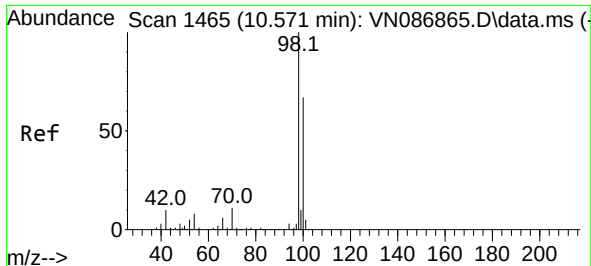
Tgt Ion:117 Resp: 7168
Ion Ratio Lower Upper
117 100
119 110.0 75.0 112.6
121 31.8 24.9 37.3



#44
Trichloroethene
Concen: 202.049 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

Tgt Ion:130 Resp: 765405
Ion Ratio Lower Upper
130 100
95 97.3 0.0 196.2

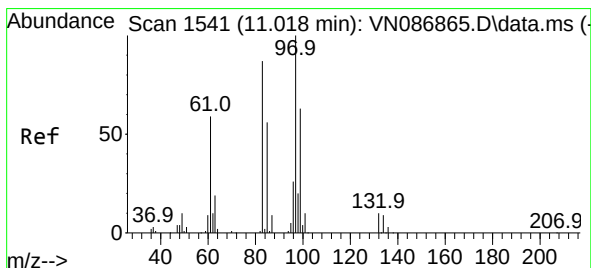
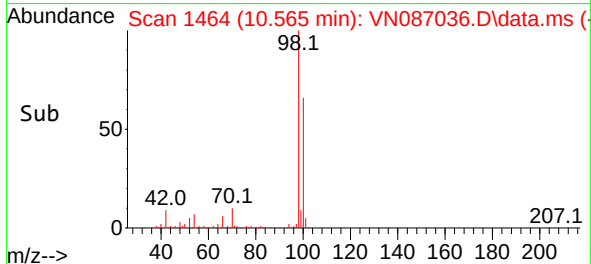
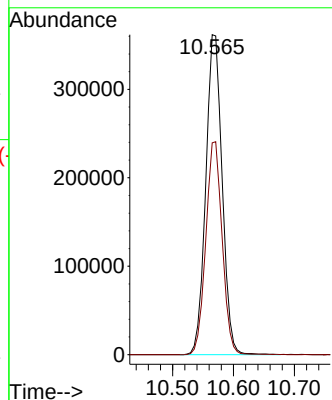
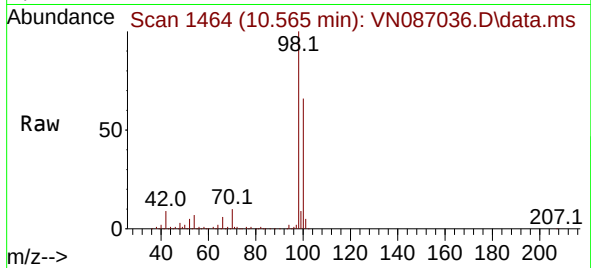




#50
Toluene-d8
Concen: 52.194 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

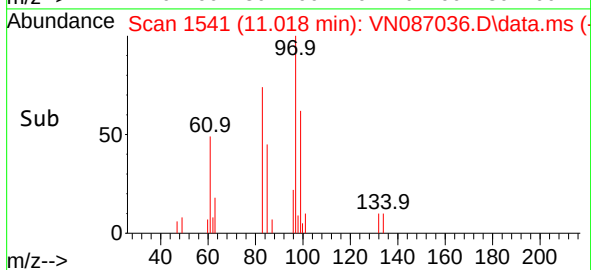
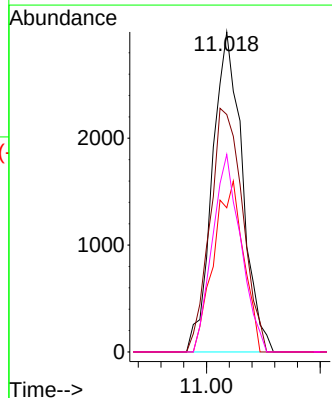
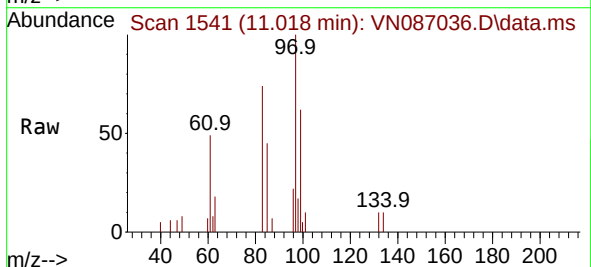
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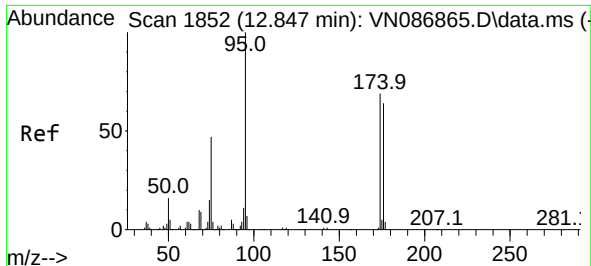
Tgt Ion: 98 Resp: 677454
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#55
1,1,2-Trichloroethane
Concen: 1.457 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

Tgt Ion: 97 Resp: 5472
Ion Ratio Lower Upper
97 100
83 74.2 69.7 104.5
85 45.0 45.1 67.7#
99 61.7 50.6 75.8

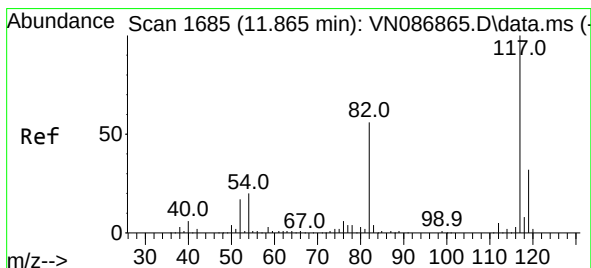
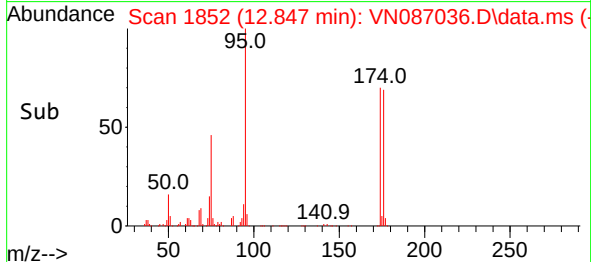
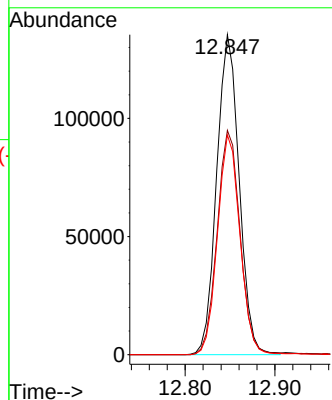
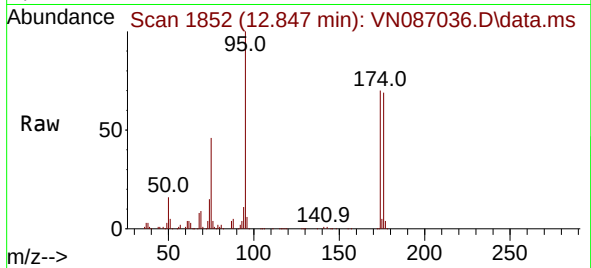




#62
4-Bromofluorobenzene
Concen: 48.849 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

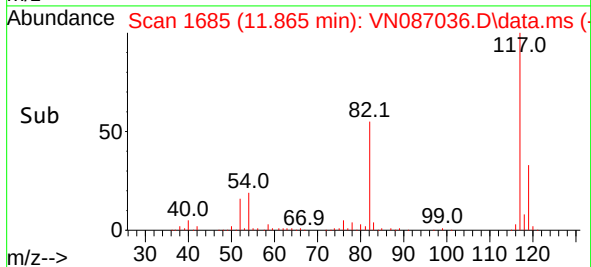
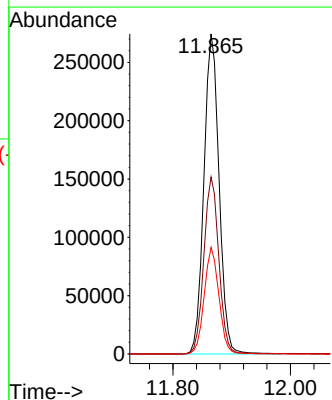
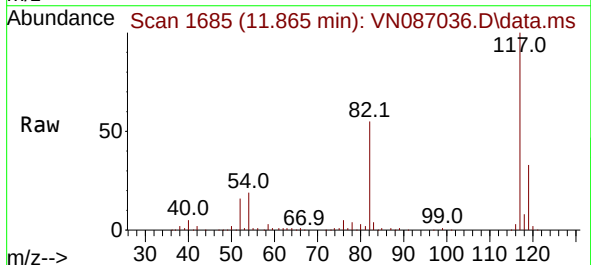
Instrument :
MSVOA_N
ClientSampleId :
TT190D1-20250611

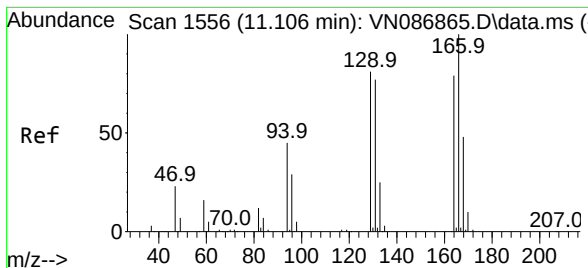
Tgt Ion: 95 Resp: 235565
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 68.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087036.D
Acq: 16 Jun 2025 16:58

Tgt Ion: 117 Resp: 491886
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 33.3 25.5 38.3





#64

Tetrachloroethene

Concen: 0.684 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087036.D

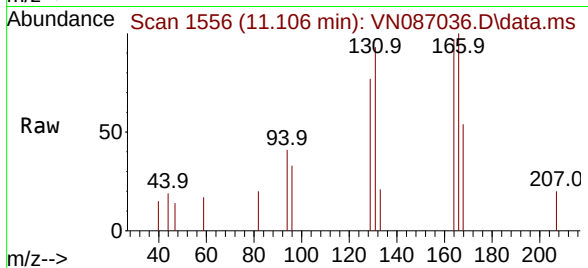
Acq: 16 Jun 2025 16:58

Instrument :

MSVOA_N

ClientSampleId :

TT190D1-20250611



Tgt Ion:164 Resp: 2130

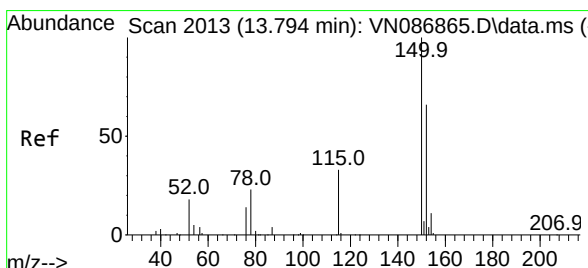
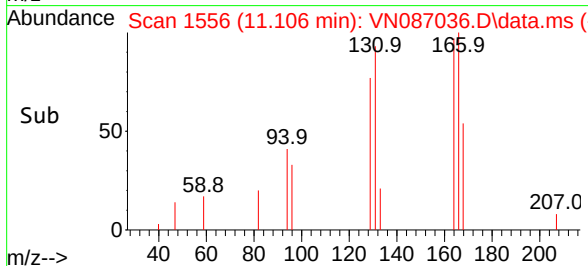
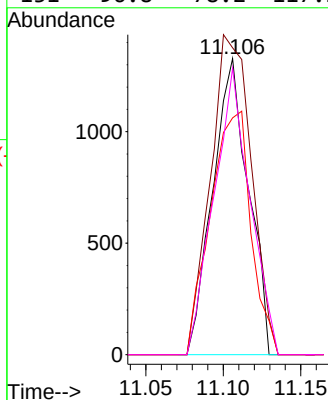
Ion Ratio Lower Upper

164 100

166 103.6 101.8 152.8

129 80.0 83.0 124.4#

131 96.8 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: VN087036.D

Acq: 16 Jun 2025 16:58

Tgt Ion:152 Resp: 231060

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.5

150 159.0 0.0 345.0

