

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087029.D
 Acq On : 16 Jun 2025 14:29
 Operator : JC\MD
 Sample : Q2299-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT15811-20250610

Quant Time: Jun 17 07:23:26 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)

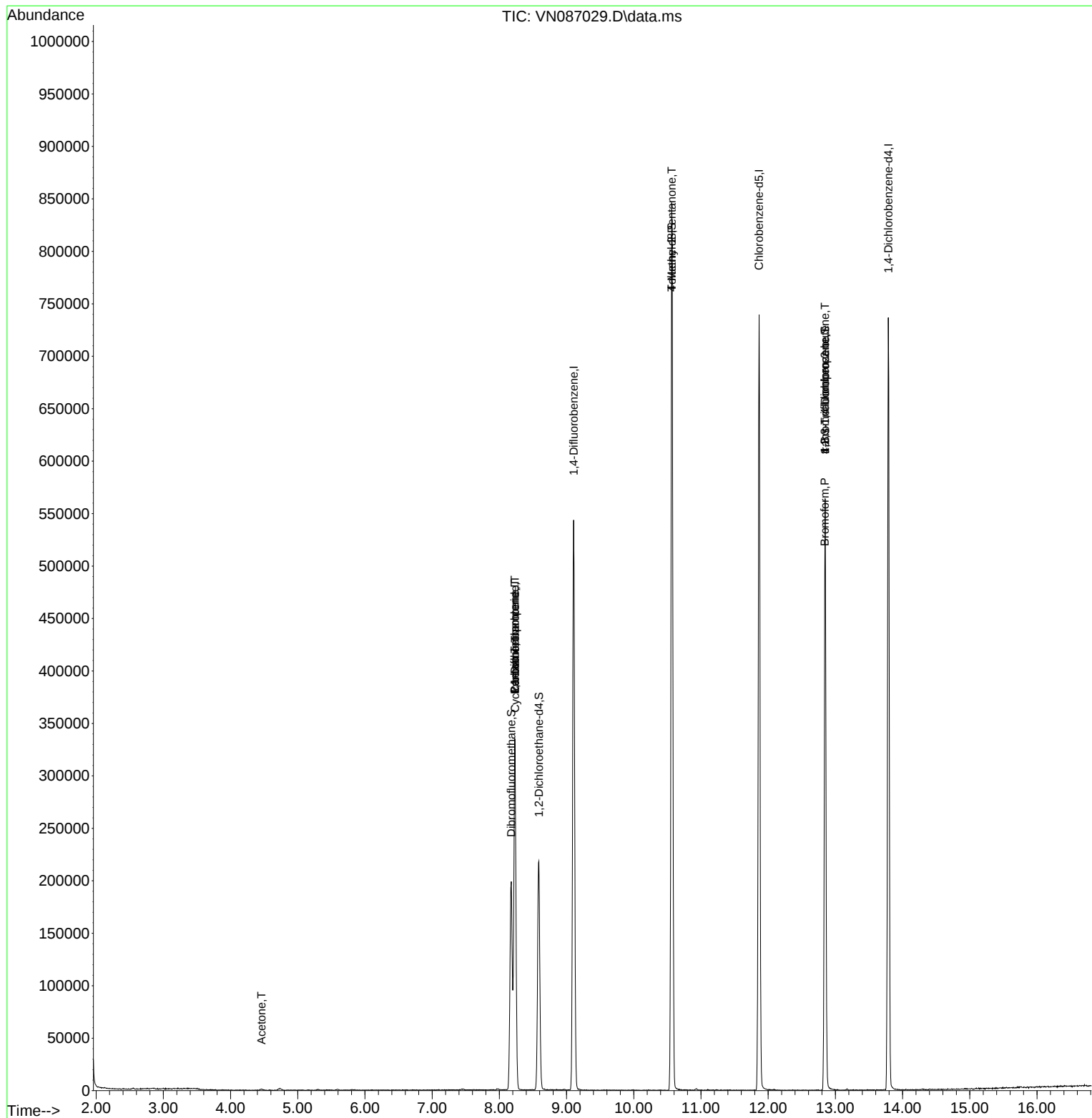
Internal Standards						
1) Pentafluorobenzene	8.230	168	260360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	512497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	459773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	216825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	182557	52.370	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.740%		
35) Dibromofluoromethane	8.177	113	156413	51.499	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.000%		
50) Toluene-d8	10.565	98	627361	52.178	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.360%		
62) 4-Bromofluorobenzene	12.847	95	224511	50.259	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.520%		
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	2105	1.139	ug/l	94
31) Cyclohexane	8.236	56	4537	0.802	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	19363	4.278	ug/l #	48
38) Carbon Tetrachloride	8.230	117	24828	5.588	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	1821	0.327	ug/l #	1
71) Bromoform	12.841	173	1311	0.543	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	102571	19.901	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	102571	45.812	ug/l #	16

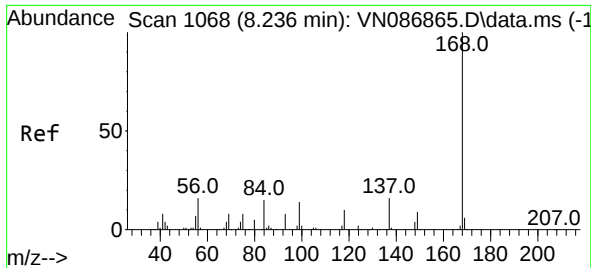
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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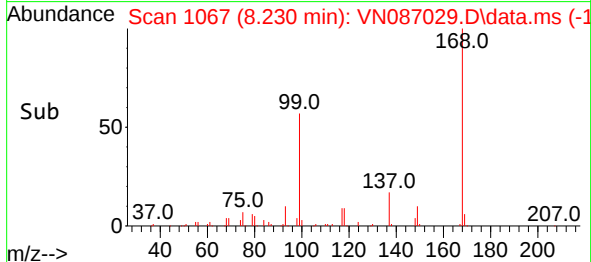
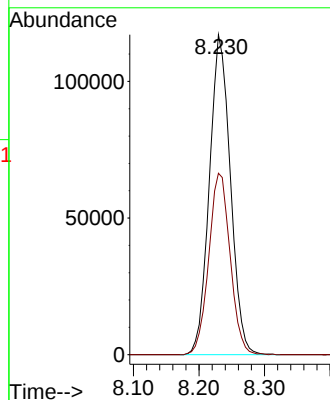
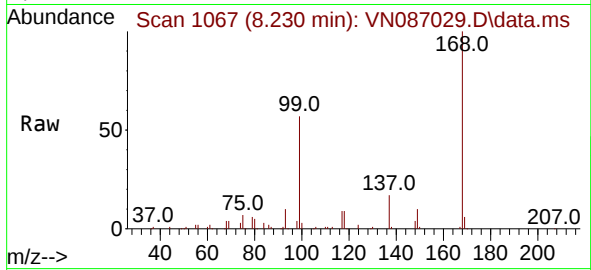




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

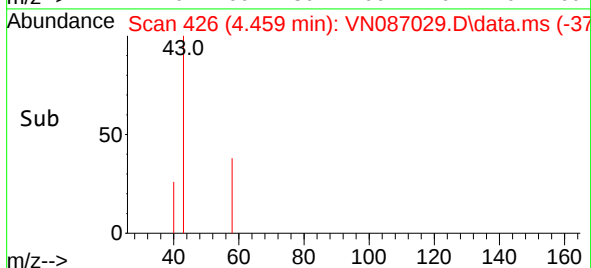
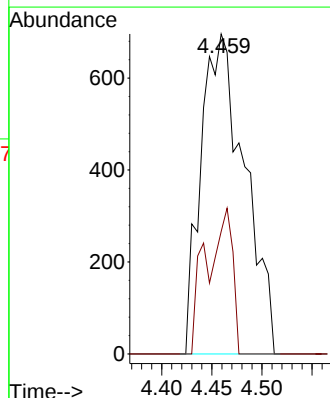
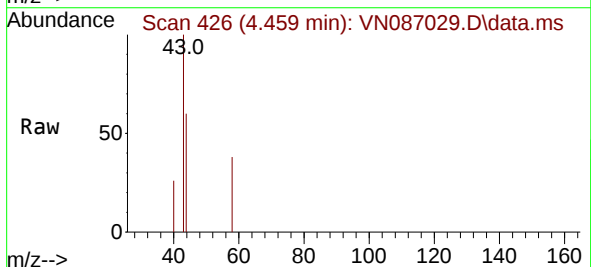
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20250610

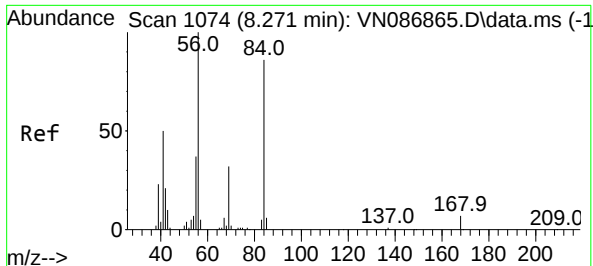
Tgt Ion:168 Resp: 260360
Ion Ratio Lower Upper
168 100
99 56.7 49.1 73.7



#16
Acetone
Concen: 1.139 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

Tgt Ion: 43 Resp: 2105
Ion Ratio Lower Upper
43 100
58 38.2 28.0 42.0

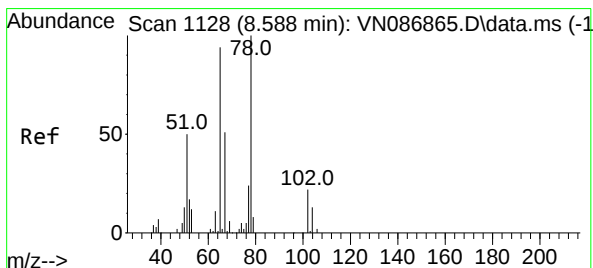
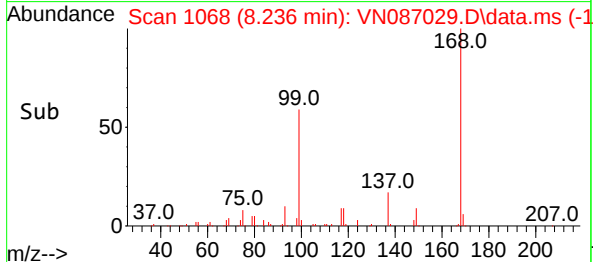
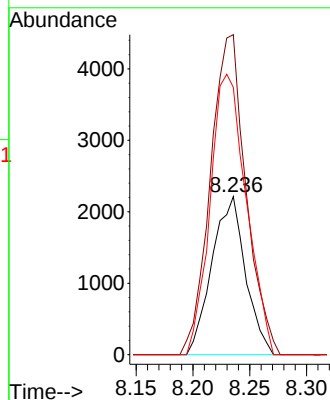
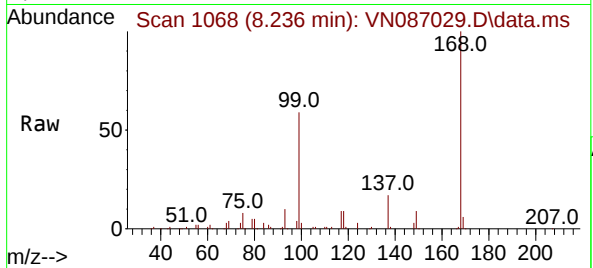




#31
Cyclohexane
Concen: 0.802 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

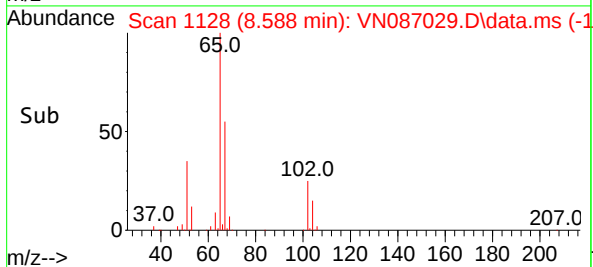
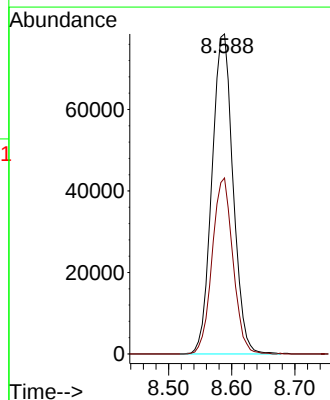
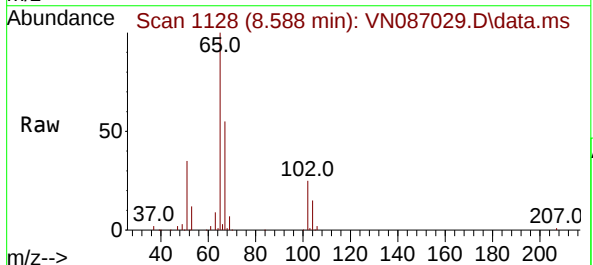
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20250610

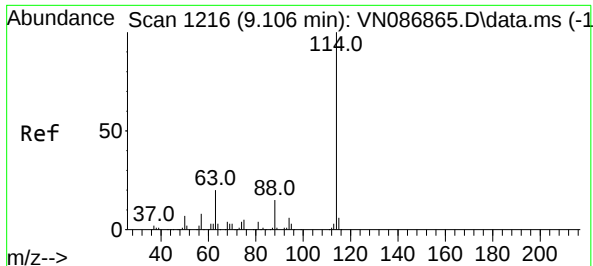
Tgt Ion: 56 Resp: 4537
Ion Ratio Lower Upper
56 100
69 202.4 25.4 38.0#
84 169.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.370 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

Tgt Ion: 65 Resp: 182557
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# 1

Delta R.T. -0.000 min

Lab File: VN087029.D

Acq: 16 Jun 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

TT15811-20250610

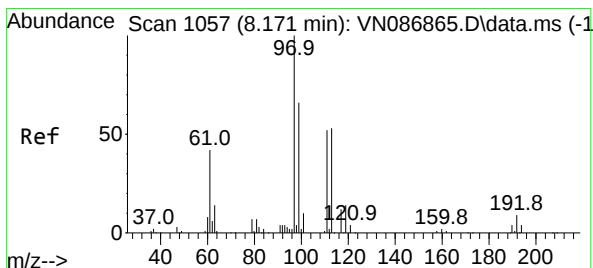
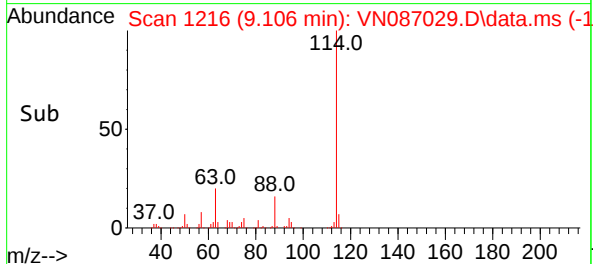
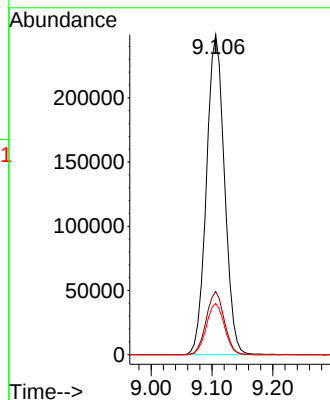
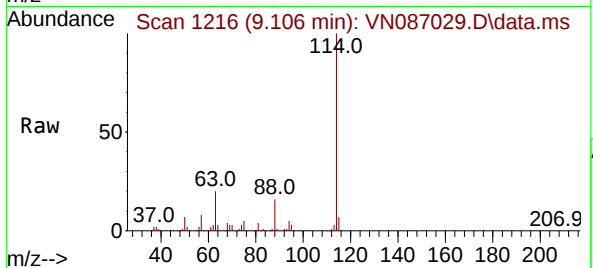
Tgt Ion:114 Resp: 512497

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 16.0 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.499 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087029.D

Acq: 16 Jun 2025 14:29

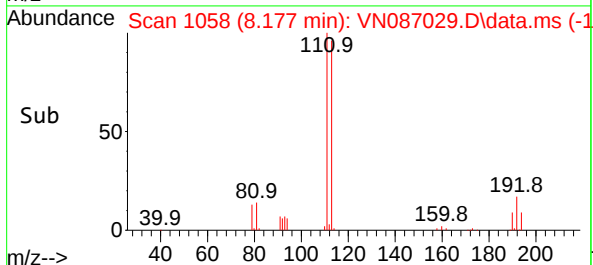
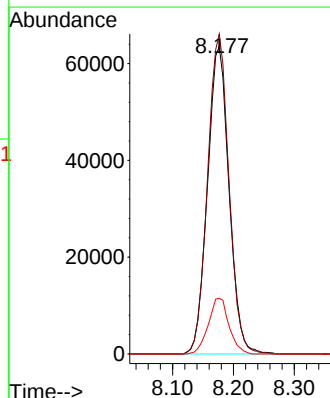
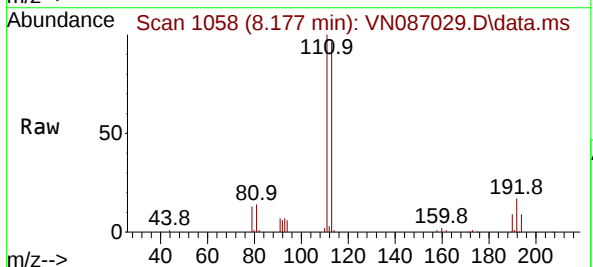
Tgt Ion:113 Resp: 156413

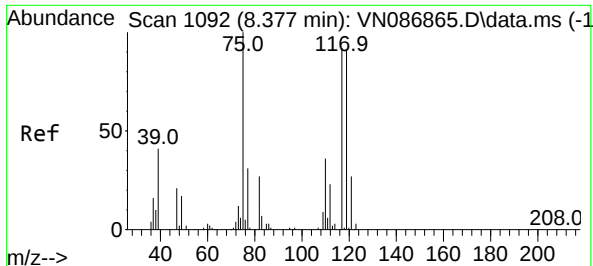
Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.2

192 17.4 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.278 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087029.D

Acq: 16 Jun 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

TT15811-20250610

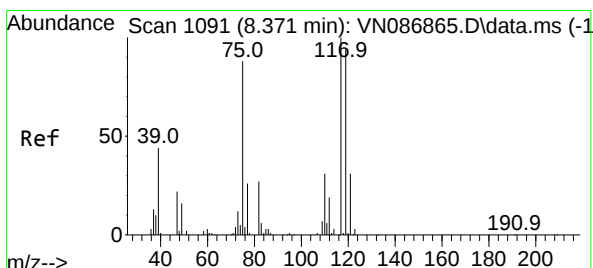
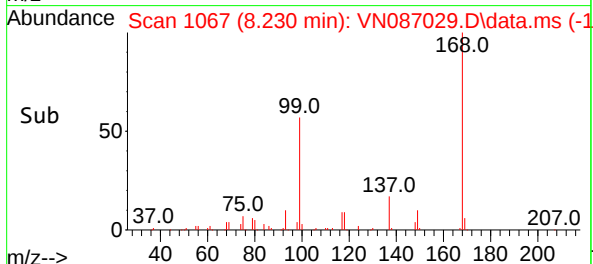
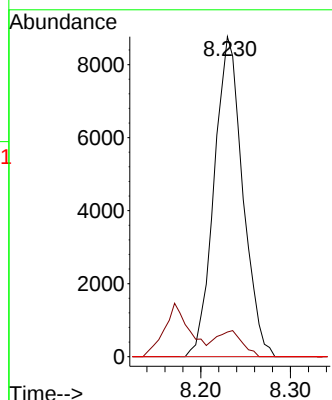
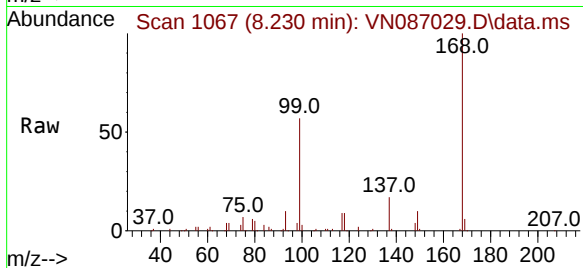
Tgt Ion: 75 Resp: 19363

Ion Ratio Lower Upper

75 100

110 7.7 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.588 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087029.D

Acq: 16 Jun 2025 14:29

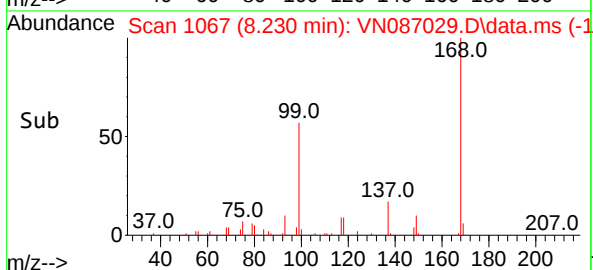
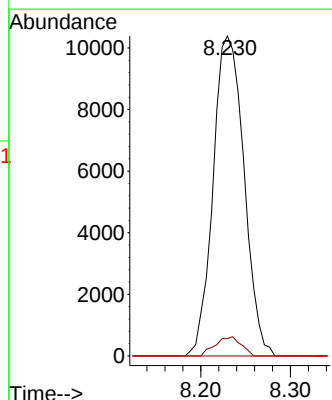
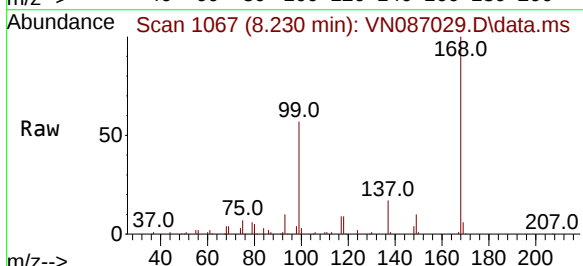
Tgt Ion: 117 Resp: 24828

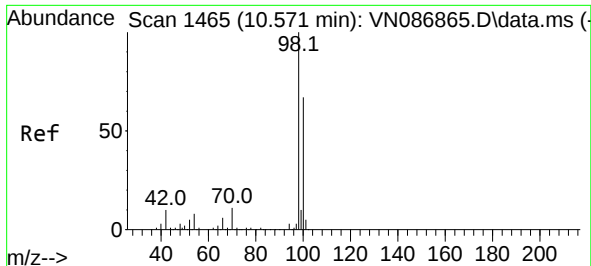
Ion Ratio Lower Upper

117 100

119 5.4 75.0 112.6#

121 0.0 24.9 37.3#

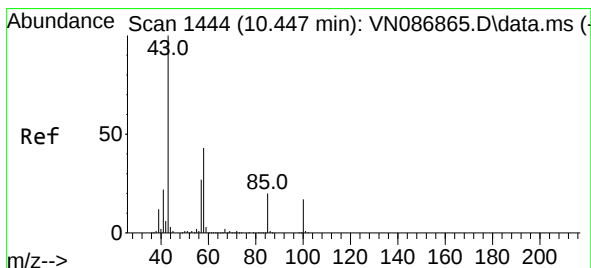
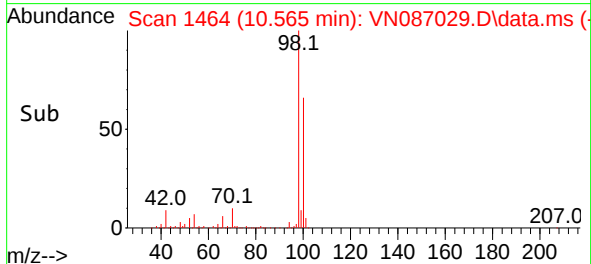
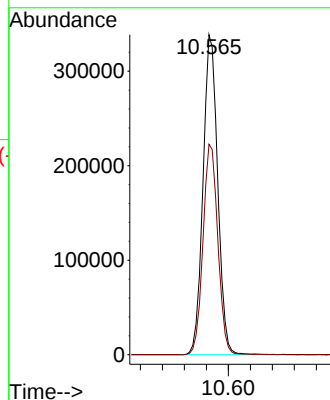
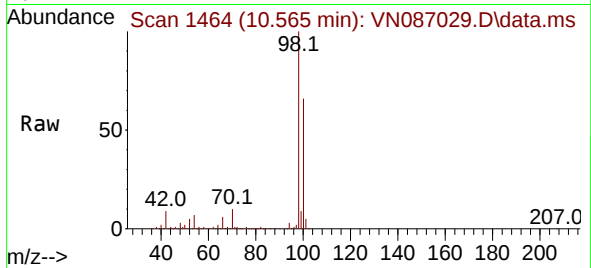




#50
Toluene-d8
Concen: 52.178 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

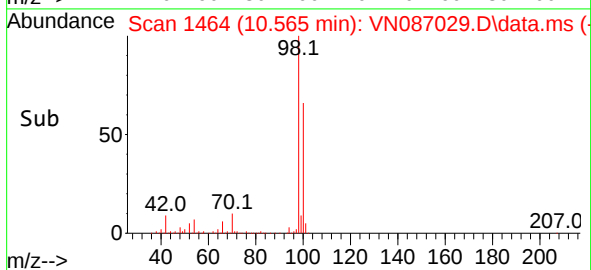
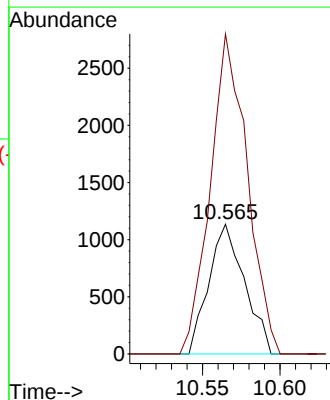
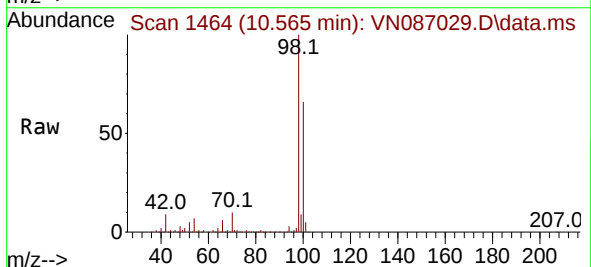
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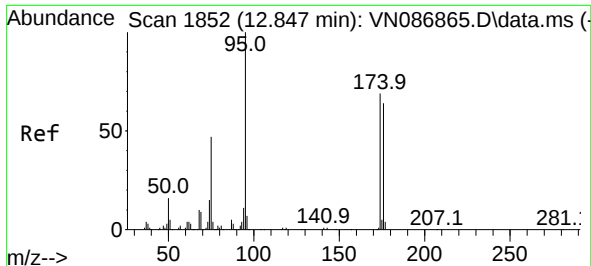
Tgt Ion: 98 Resp: 627361
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.327 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

Tgt Ion: 43 Resp: 1821
Ion Ratio Lower Upper
43 100
58 254.9 34.2 51.4#

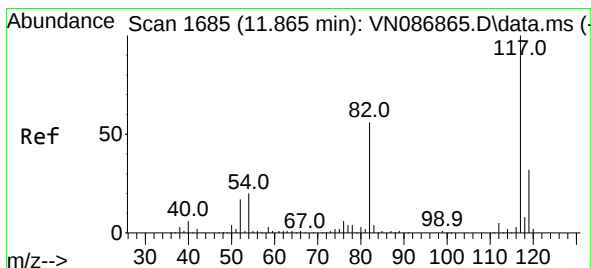
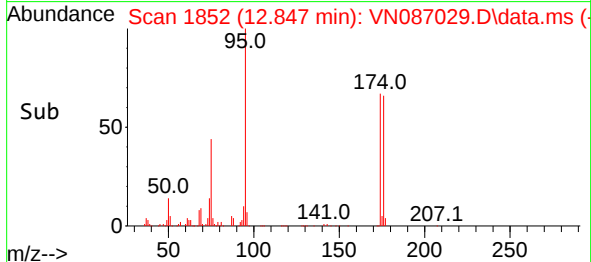
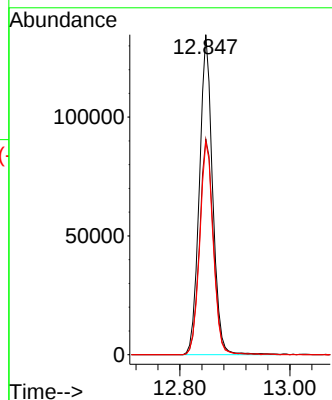
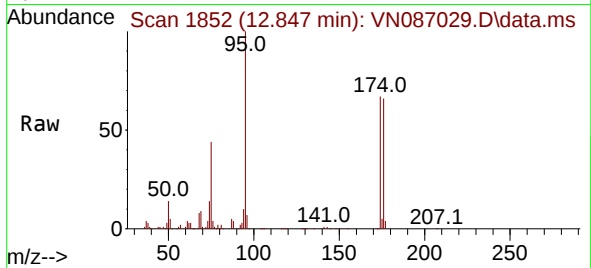




#62
4-Bromofluorobenzene
Concen: 50.259 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

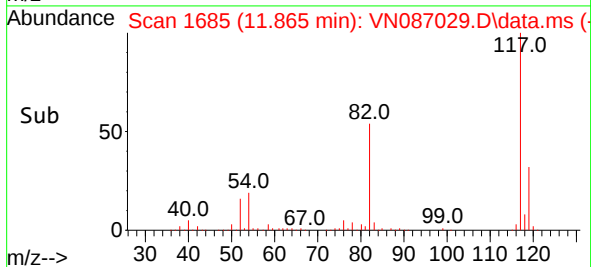
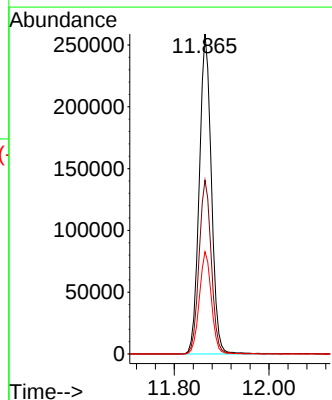
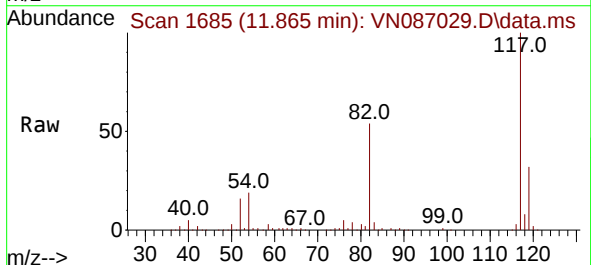
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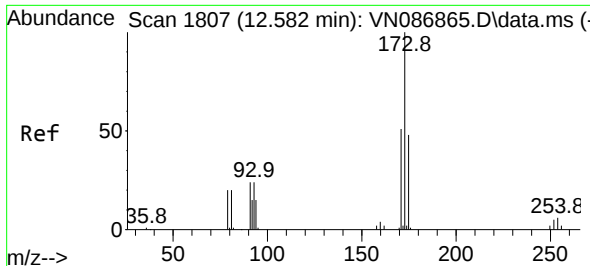
Tgt Ion: 95 Resp: 224511
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.8
176 67.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

Tgt Ion: 117 Resp: 459773
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 31.9 25.5 38.3

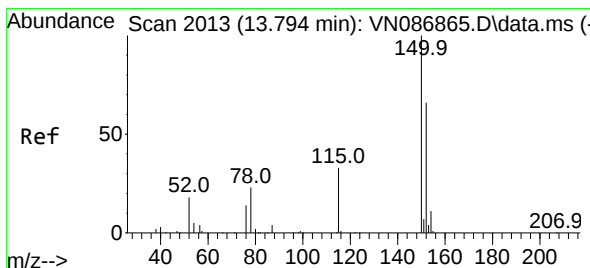
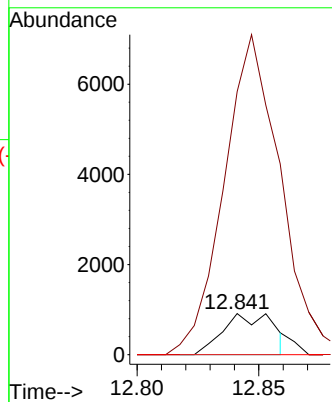
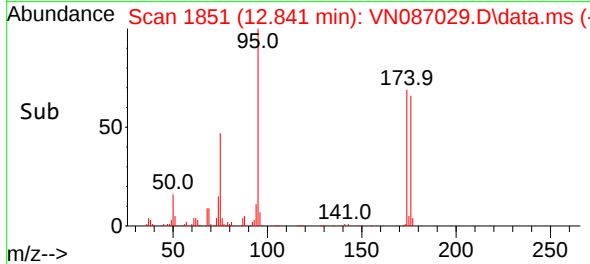
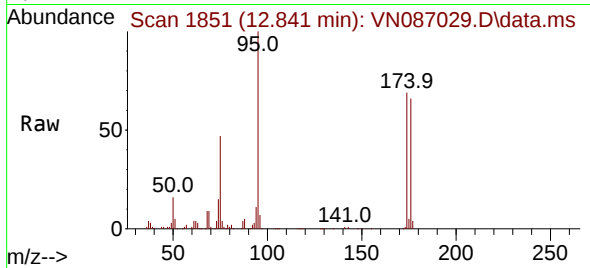




#71
Bromoform
Concen: 0.543 ug/l
RT: 12.841 min Scan# 1807
Delta R.T. 0.259 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

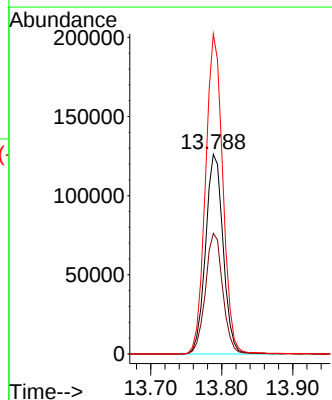
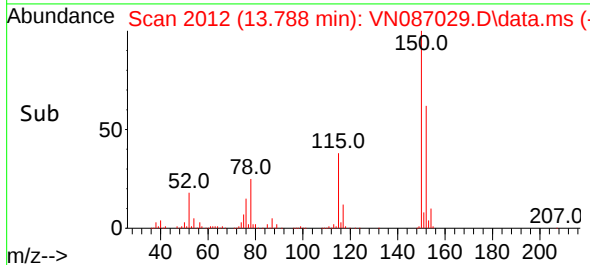
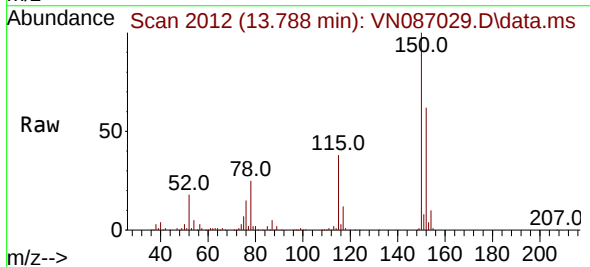
Instrument :
MSVOA_N
ClientSampleId :
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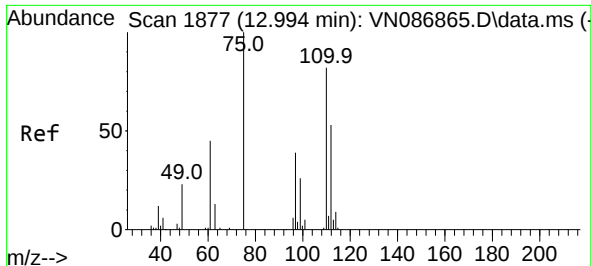
Tgt Ion:173 Resp: 1311
Ion Ratio Lower Upper
173 100
175 779.7 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

Tgt Ion:152 Resp: 216825
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 158.3 0.0 345.0

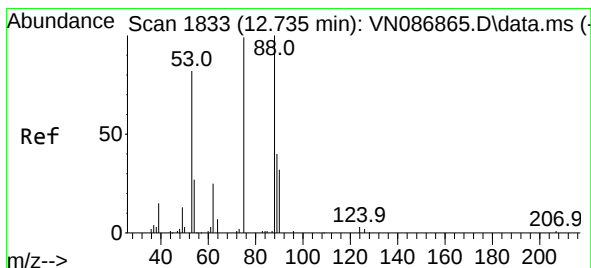
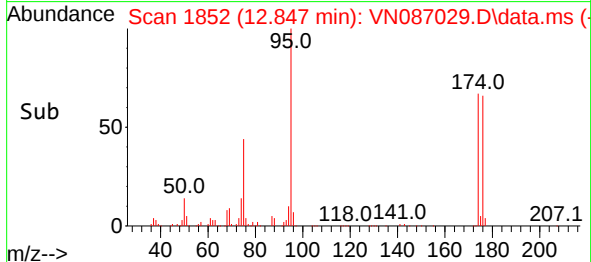
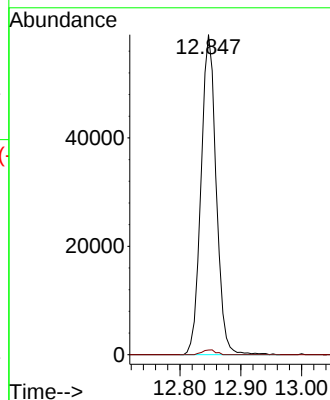
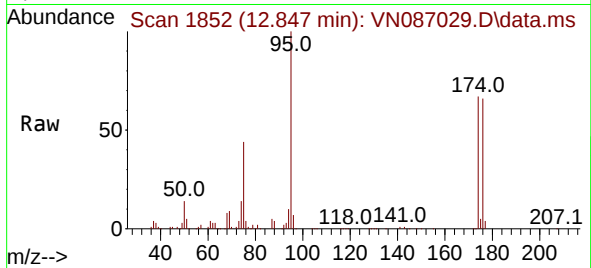




#76
1,2,3-Trichloropropane
Concen: 19.901 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
TT15811-20250610

Tgt Ion: 75 Resp: 102571
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.812 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087029.D
Acq: 16 Jun 2025 14:29

Tgt Ion: 75 Resp: 102571
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

