

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
 Data File : VN084302.D
 Acq On : 03 Oct 2024 16:39
 Operator : JC\MD
 Sample : P4226-23DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20240927DL

Quant Time: Oct 04 01:38:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

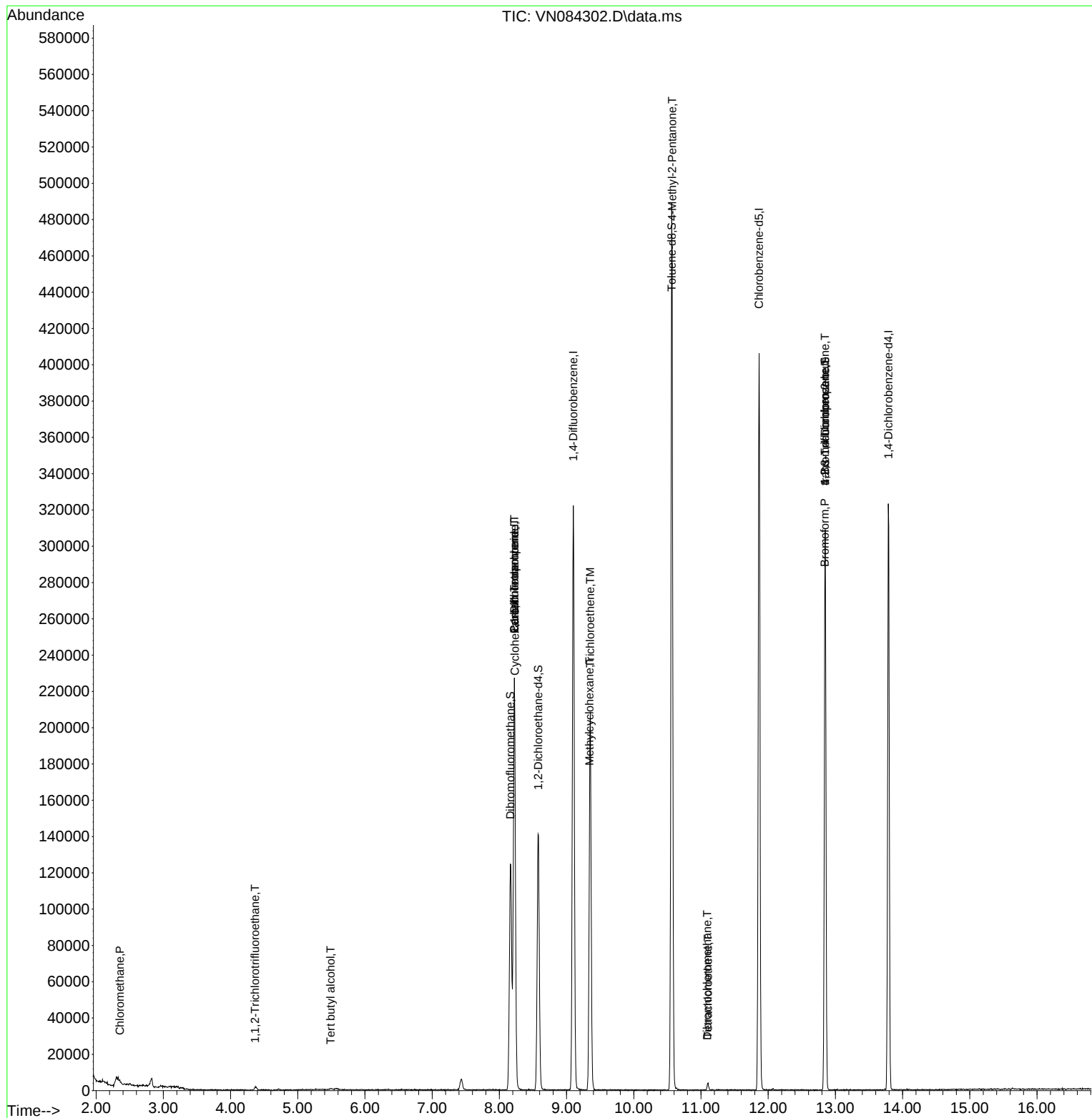
Internal Standards						
1) Pentafluorobenzene	8.224	168	157325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114953	49.280	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.560%
35) Dibromofluoromethane	8.165	113	91223	50.930	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.860%
50) Toluene-d8	10.565	98	330038	50.083	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.160%
62) 4-Bromofluorobenzene	12.847	95	108294	45.109	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	425	0.200	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	4.365	101	852	0.464	ug/l #	75
11) Tert butyl alcohol	5.489	59	247	0.642	ug/l #	73
31) Cyclohexane	8.230	56	3363	0.973	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13755	5.287	ug/l #	44
38) Carbon Tetrachloride	8.224	117	17061	5.978	ug/l #	15
39) Methylcyclohexane	9.341	83	1153	0.398	ug/l #	1
44) Trichloroethene	9.353	130	73417	38.778	ug/l	99
51) 4-Methyl-2-Pentanone	10.571	43	1371	0.540	ug/l #	1
60) Dibromochloromethane	11.094	129	750	0.358	ug/l #	11
64) Tetrachloroethene	11.106	164	718	0.453	ug/l	88
71) Bromoform	12.841	173	343	0.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57114	32.366	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57114	77.596	ug/l #	11

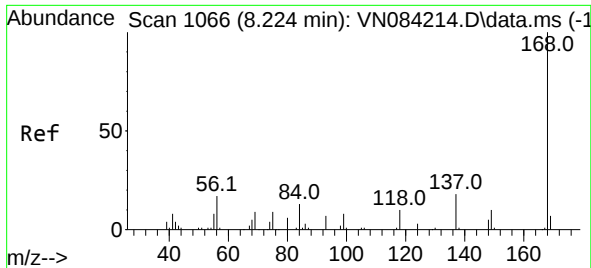
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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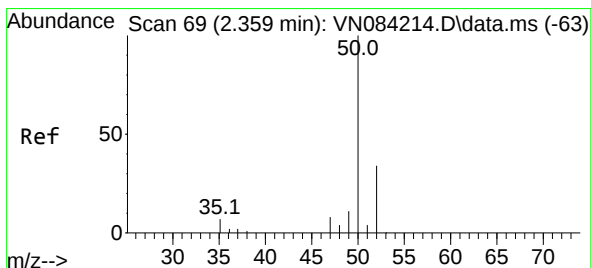
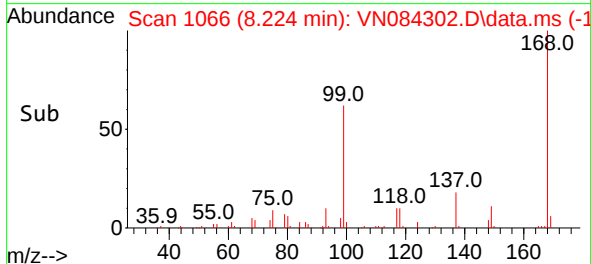
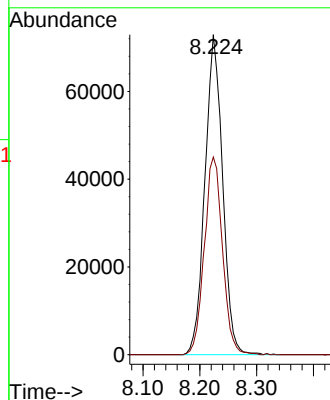
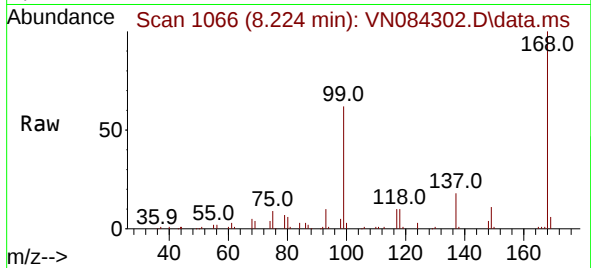




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

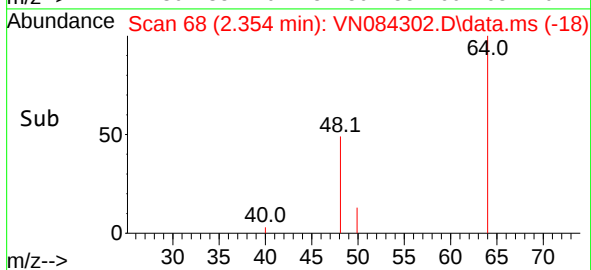
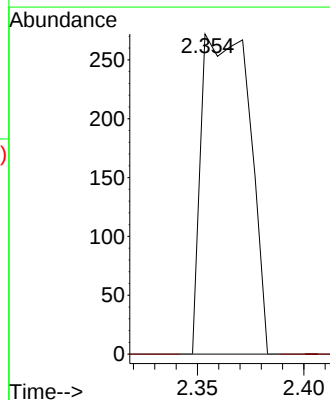
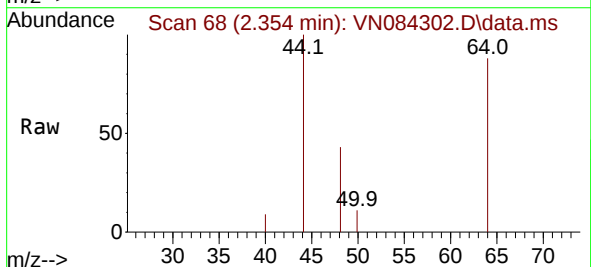
Instrument :
MSVOA_N
ClientSampleId :
RW4-20240927DL

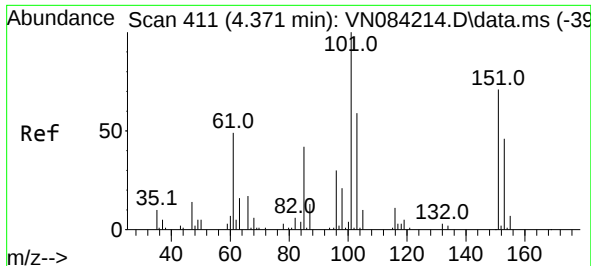
Tgt Ion:168 Resp: 157325
Ion Ratio Lower Upper
168 100
99 61.8 54.2 81.2



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Tgt Ion: 50 Resp: 425
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

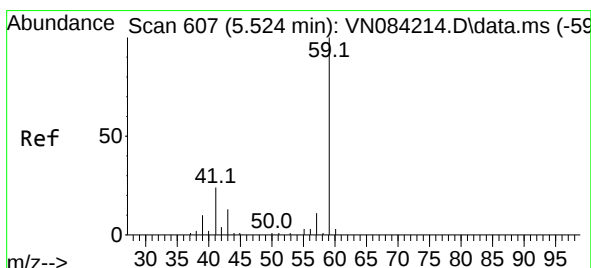
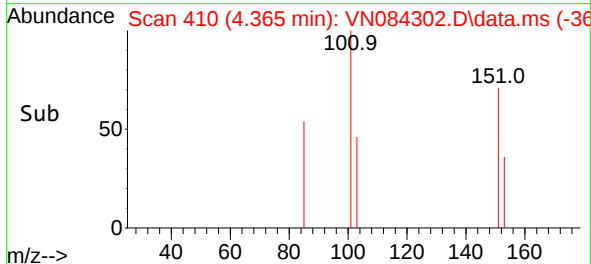
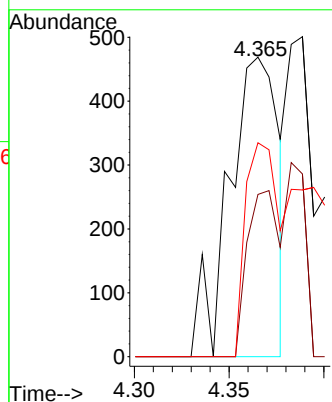
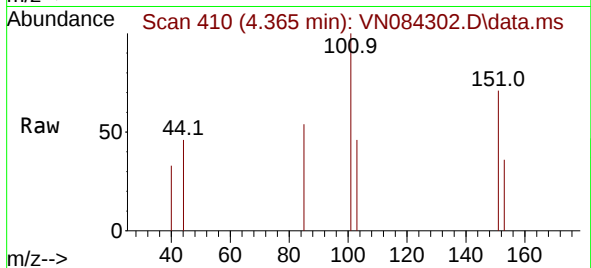




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.464 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

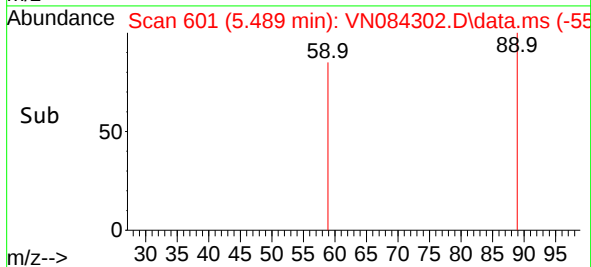
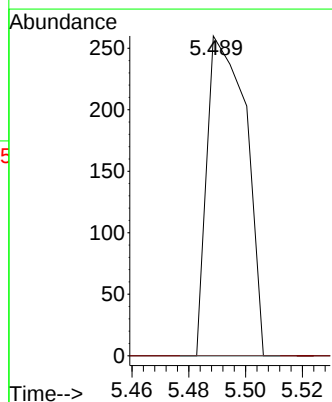
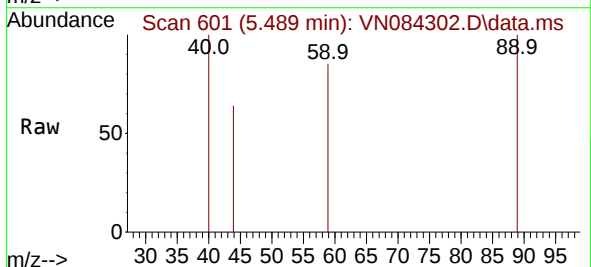
Instrument :
MSVOA_N
ClientSampleId :
RW4-20240927DL

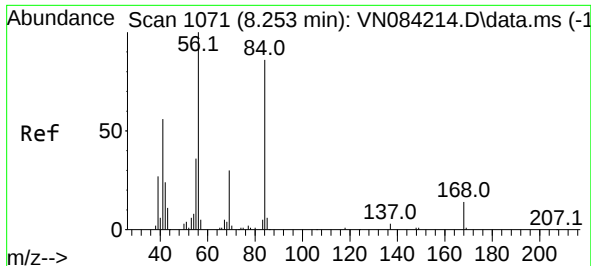
Tgt Ion:101 Resp: 852
Ion Ratio Lower Upper
101 100
85 35.8 36.2 54.4#
151 46.8 59.3 88.9#



#11
Tert butyl alcohol
Concen: 0.642 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

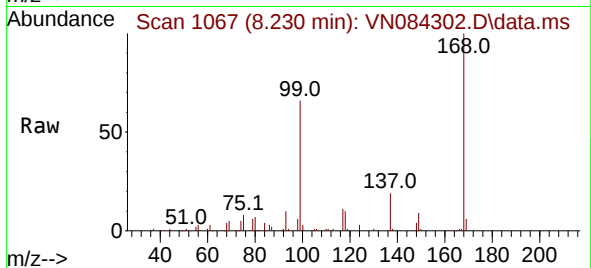
Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



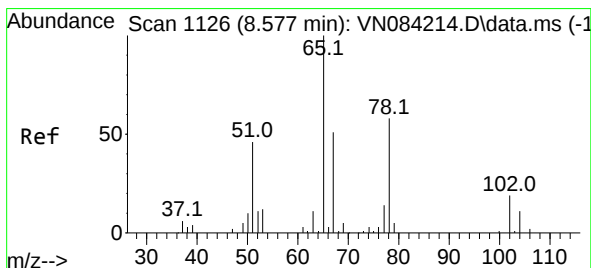
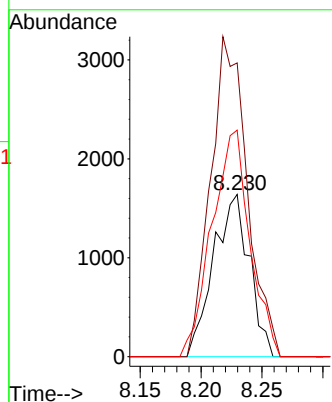
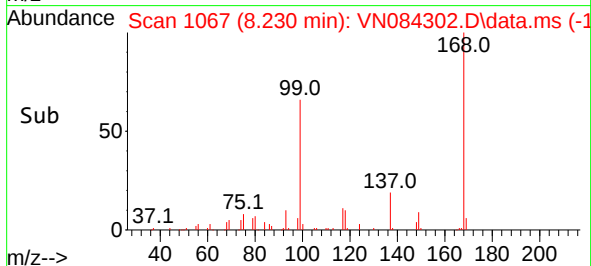


#31
Cyclohexane
Concen: 0.973 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Instrument :
MSVOA_N
ClientSampleId :
RW4-20240927DL

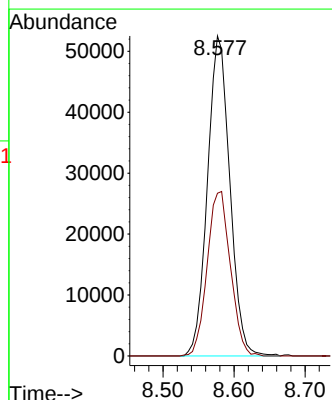
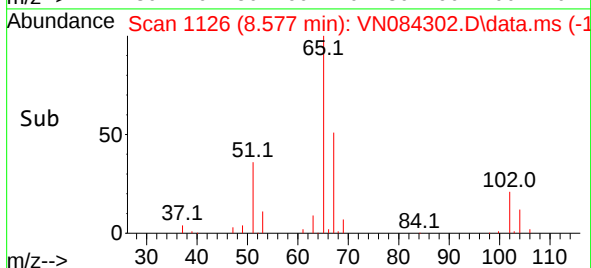
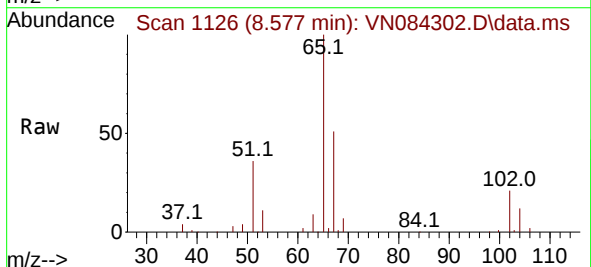


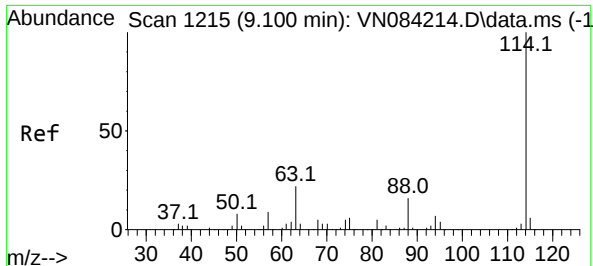
Tgt Ion: 56 Resp: 3363
Ion Ratio Lower Upper
56 100
69 181.0 23.8 35.6#
84 139.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.280 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Tgt Ion: 65 Resp: 114953
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.0

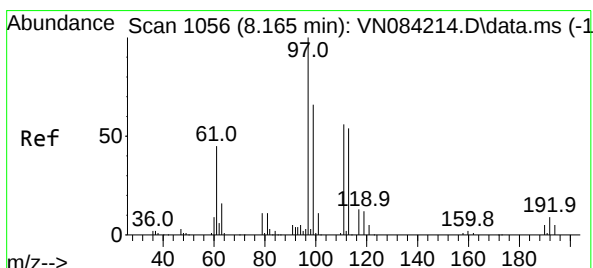
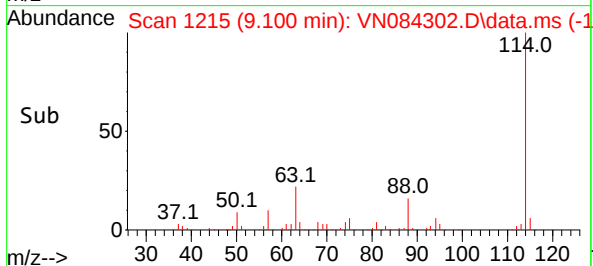
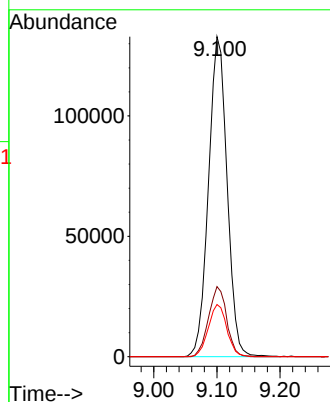
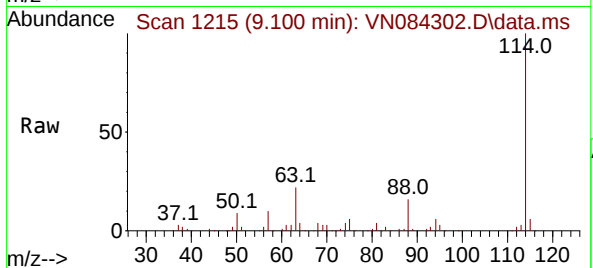




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

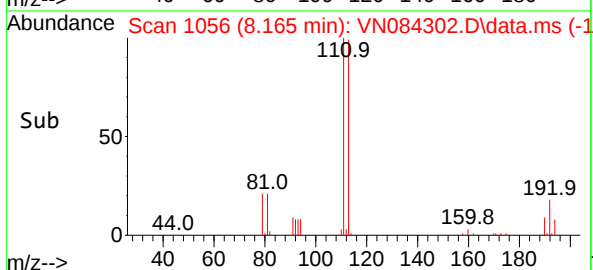
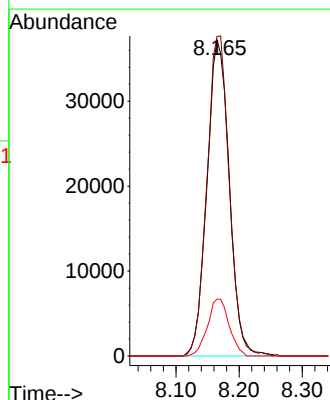
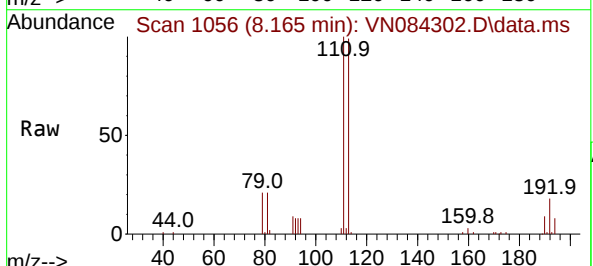
Instrument :
MSVOA_N
ClientSampleId :
RW4-20240927DL

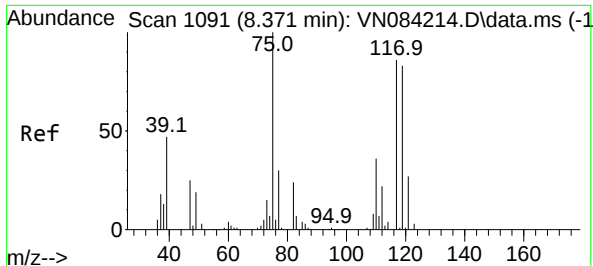
Tgt Ion:114 Resp: 271690
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.8
88 16.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 50.930 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Tgt Ion:113 Resp: 91223
Ion Ratio Lower Upper
113 100
111 101.9 83.3 124.9
192 17.5 13.5 20.3

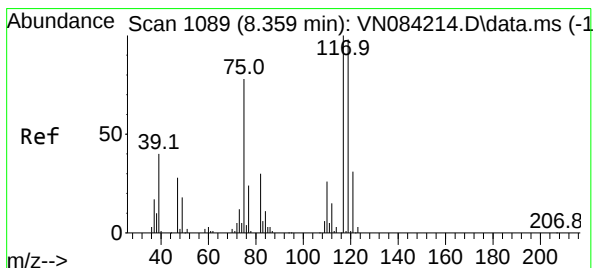
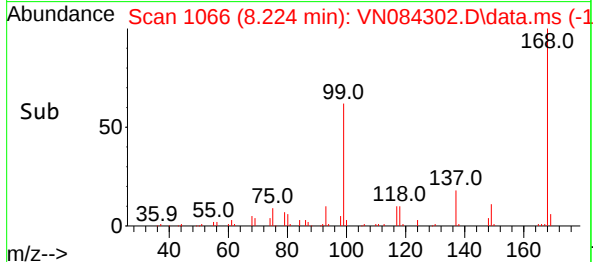
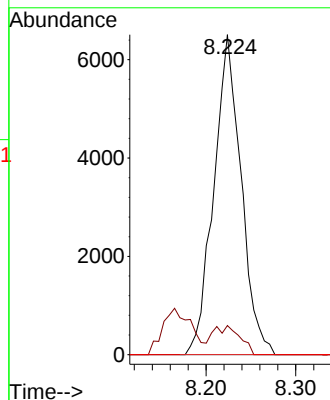
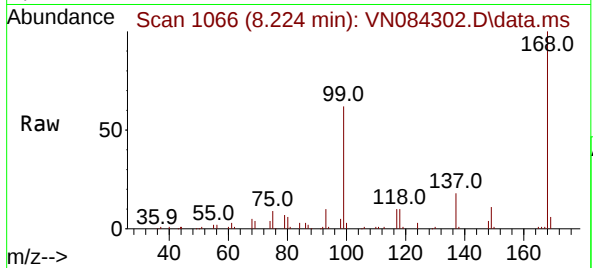




#36
1,1-Dichloropropene
Concen: 5.287 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

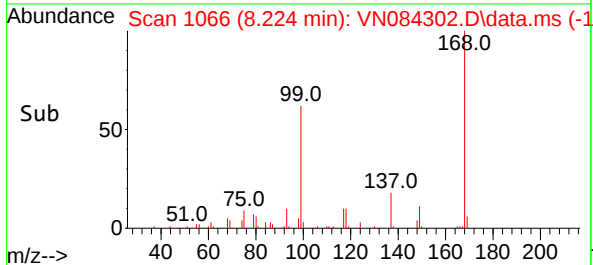
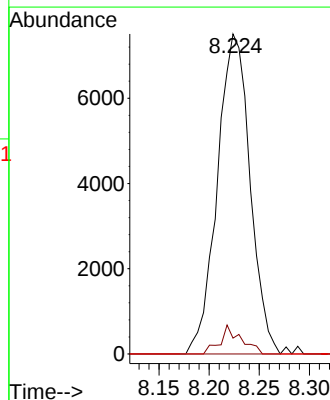
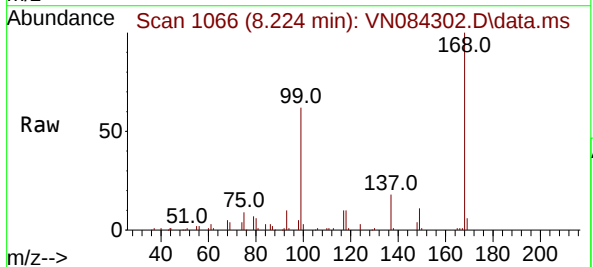
Instrument :
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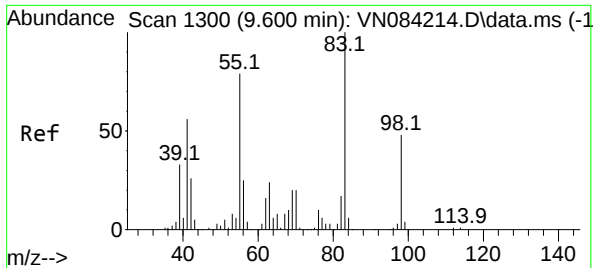
Tgt Ion: 75 Resp: 13755
Ion Ratio Lower Upper
75 100
110 1.9 16.9 50.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Tgt Ion: 117 Resp: 17061
Ion Ratio Lower Upper
117 100
119 5.0 78.7 118.1#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.398 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.259 min

Lab File: VN084302.D

Acq: 03 Oct 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

RW4-20240927DL

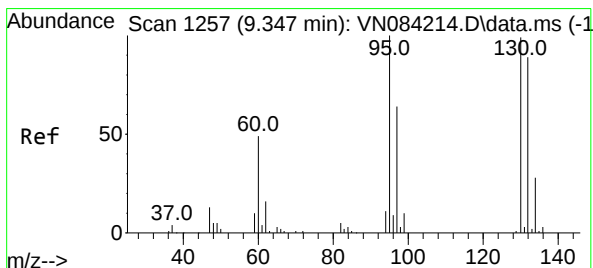
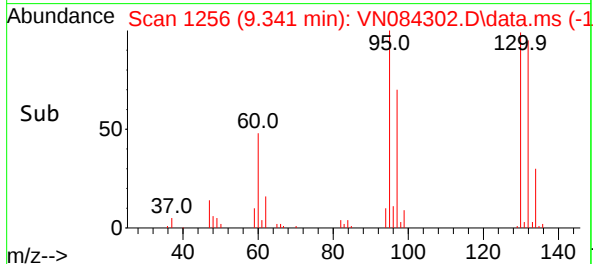
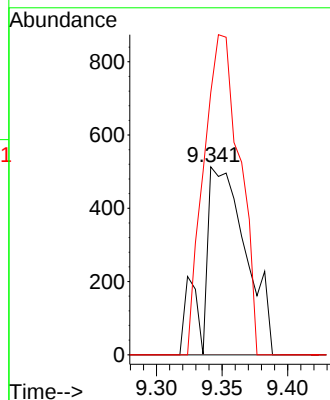
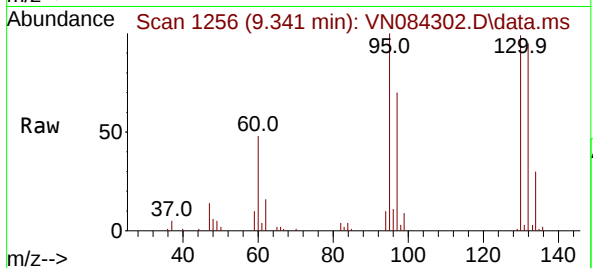
Tgt Ion: 83 Resp: 1153

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 139.6 38.8 58.2#



#44

Trichloroethene

Concen: 38.778 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084302.D

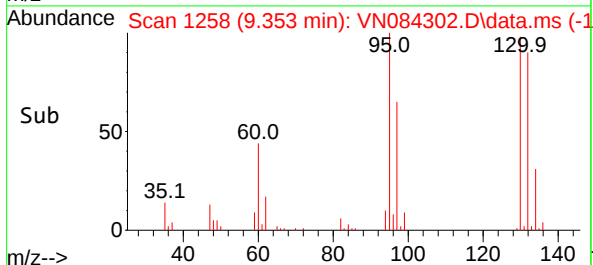
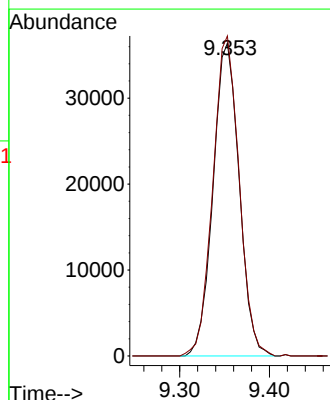
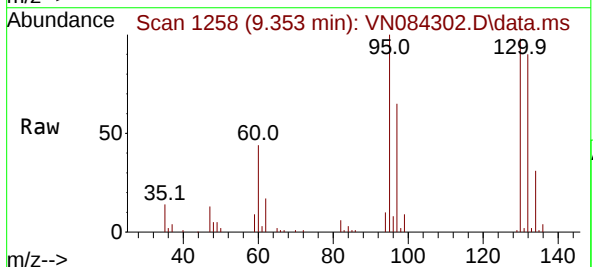
Acq: 03 Oct 2024 16:39

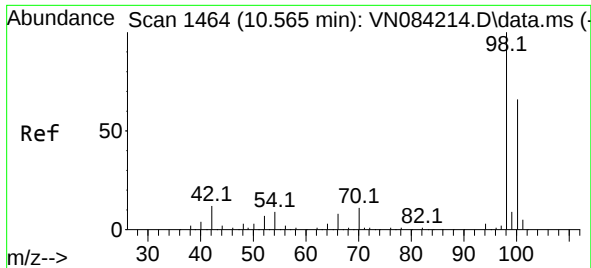
Tgt Ion:130 Resp: 73417

Ion Ratio Lower Upper

130 100

95 102.3 0.0 203.0

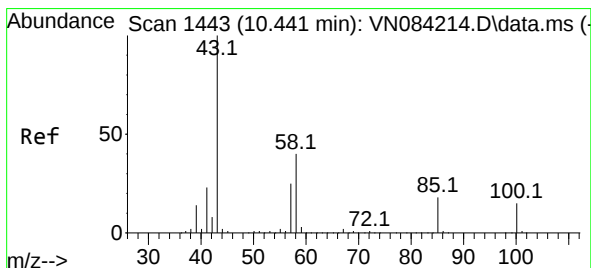
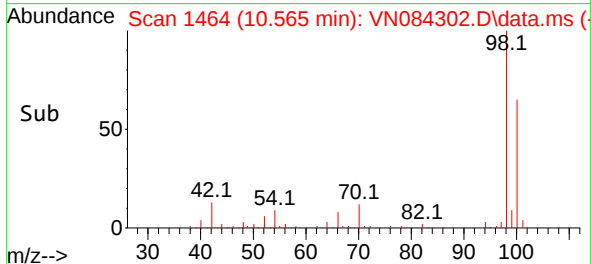
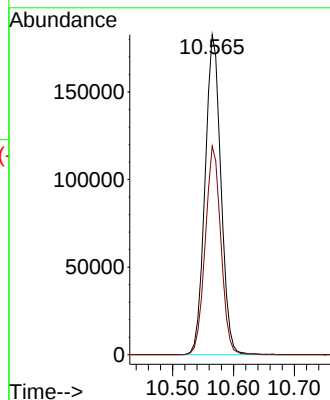
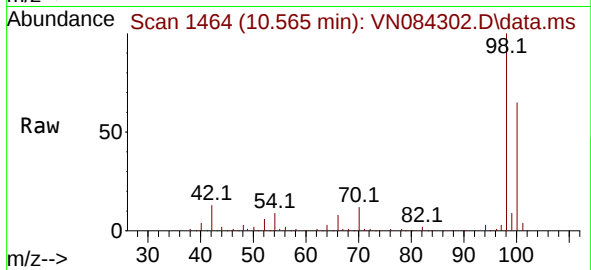




#50
Toluene-d8
Concen: 50.083 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

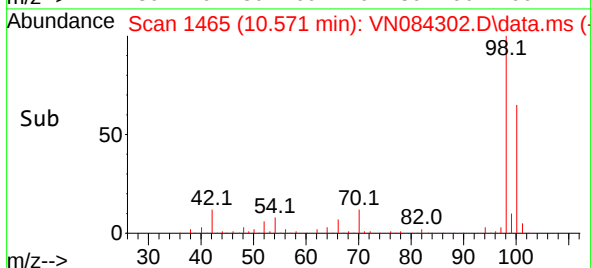
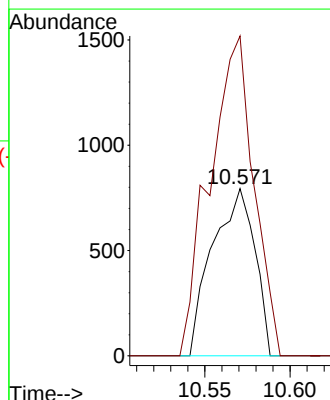
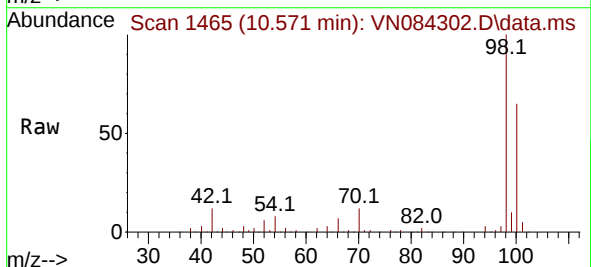
Instrument :
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RW4-20240927DL

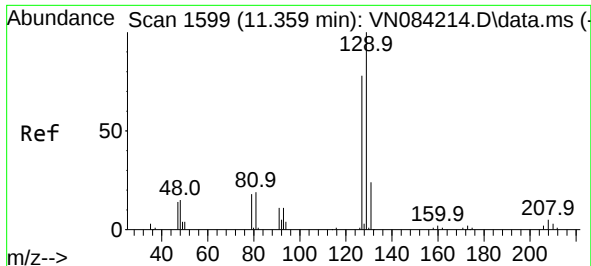
Tgt Ion: 98 Resp: 330038
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.540 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
58 199.3 31.6 47.4#

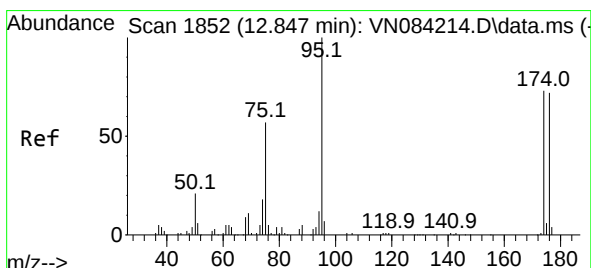
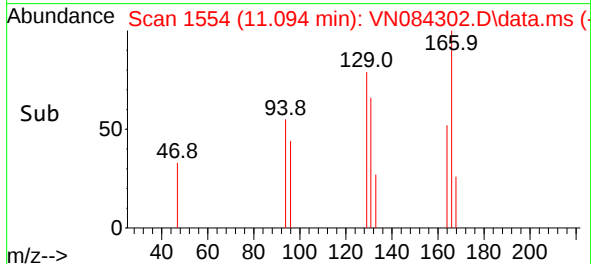
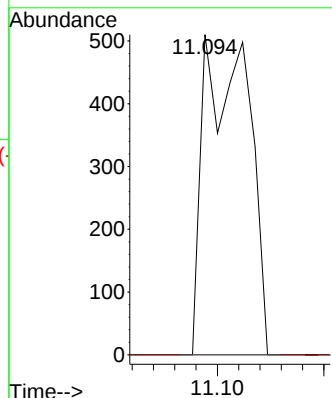
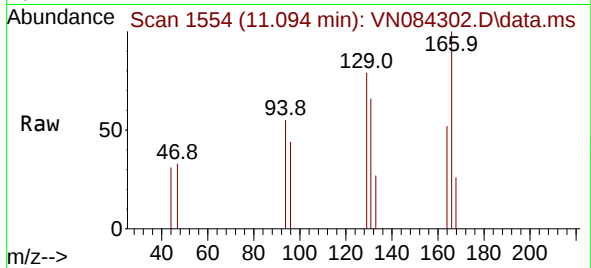




#60
Dibromochloromethane
Concen: 0.358 ug/l
RT: 11.094 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

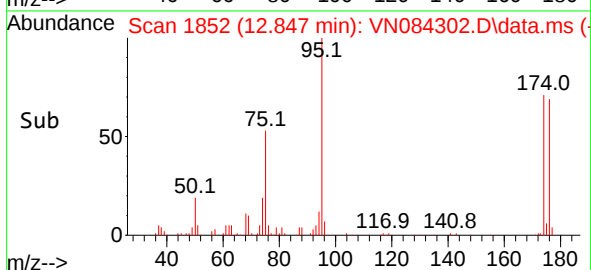
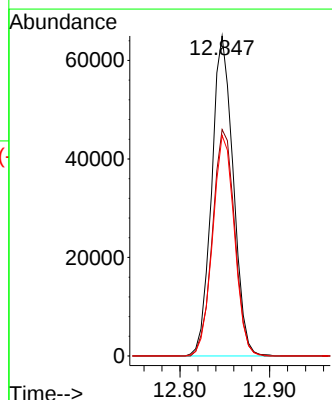
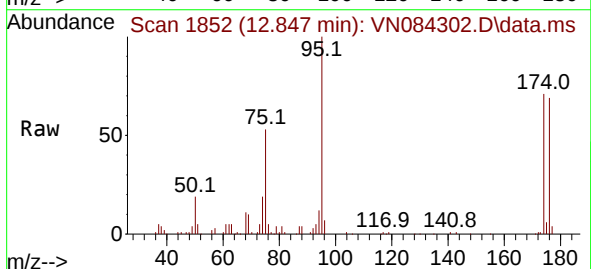
Instrument :
MSVOA_N
ClientSampleId :
RW4-20240927DL

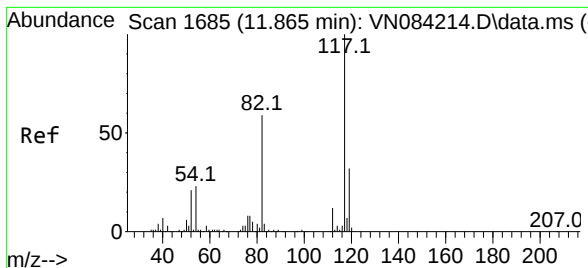
Tgt Ion:129 Resp: 750
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 45.109 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Tgt Ion: 95 Resp: 108294
Ion Ratio Lower Upper
95 100
174 72.9 0.0 145.2
176 69.8 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084302.D

Acq: 03 Oct 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

RW4-20240927DL

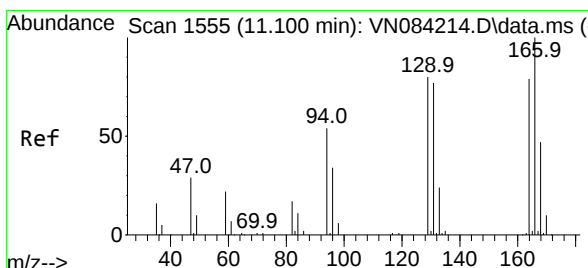
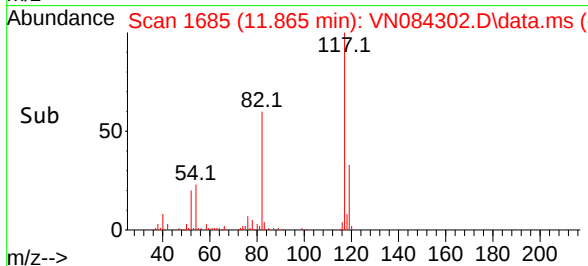
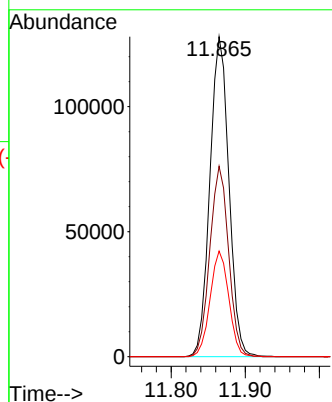
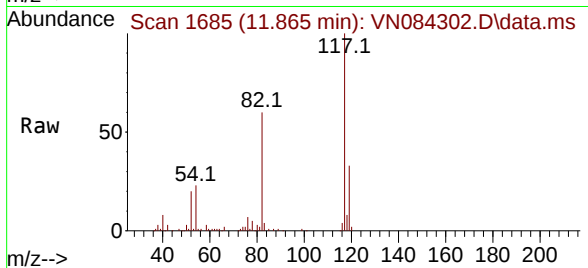
Tgt Ion:117 Resp: 227741

Ion Ratio Lower Upper

117 100

82 59.5 47.2 70.8

119 33.0 25.4 38.0



#64

Tetrachloroethene

Concen: 0.453 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN084302.D

Acq: 03 Oct 2024 16:39

Tgt Ion:164 Resp: 718

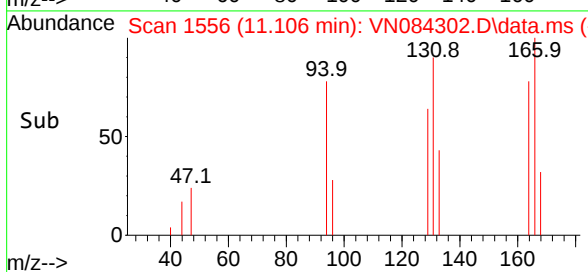
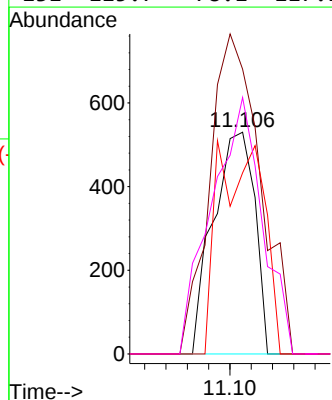
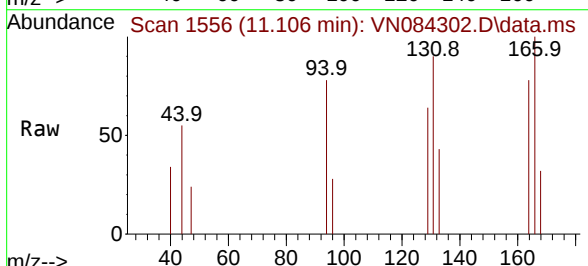
Ion Ratio Lower Upper

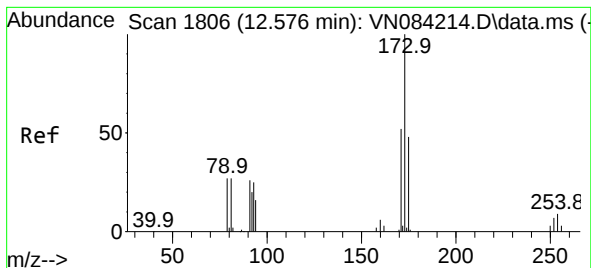
164 100

166 128.5 101.0 151.4

129 81.7 80.8 121.2

131 115.7 78.1 117.1





#71

Bromoform

Concen: 0.268 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN084302.D

Acq: 03 Oct 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

RW4-20240927DL

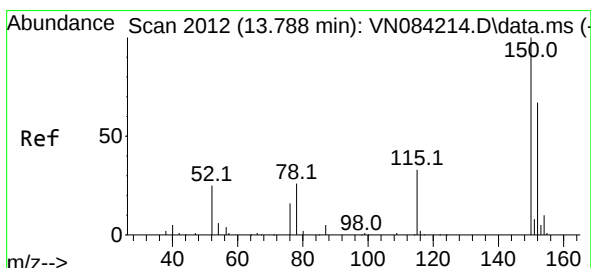
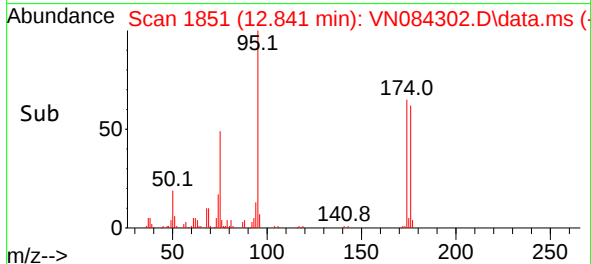
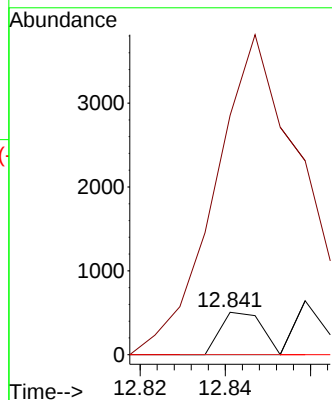
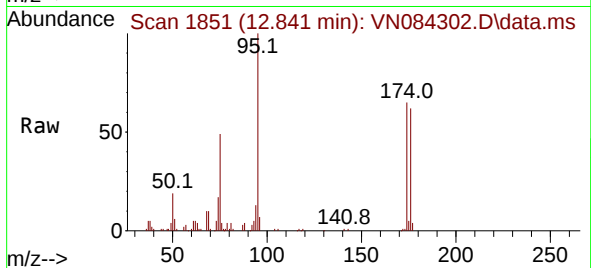
Tgt Ion:173 Resp: 343

Ion Ratio Lower Upper

173 100

175 1198.0 23.5 70.6#

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. 0.000 min

Lab File: VN084302.D

Acq: 03 Oct 2024 16:39

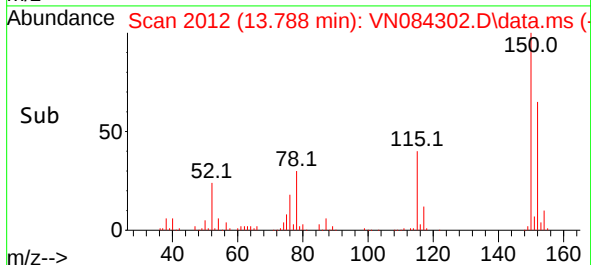
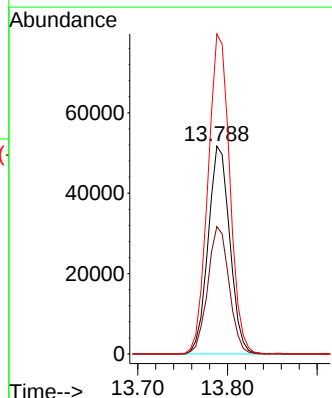
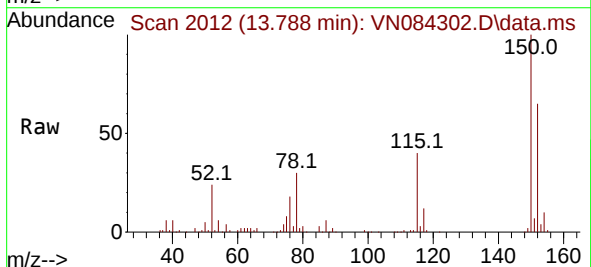
Tgt Ion:152 Resp: 86437

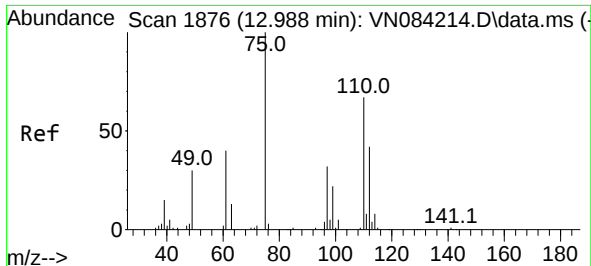
Ion Ratio Lower Upper

152 100

115 60.5 31.3 93.9

150 155.3 0.0 349.8

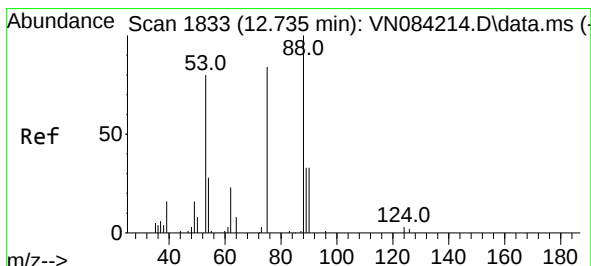
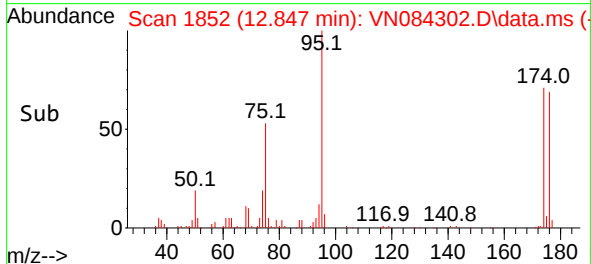
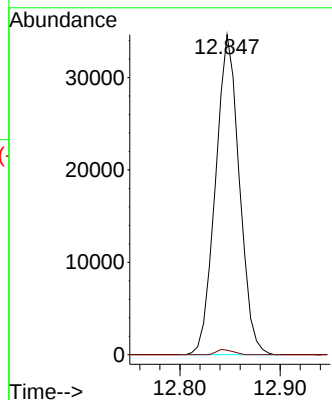
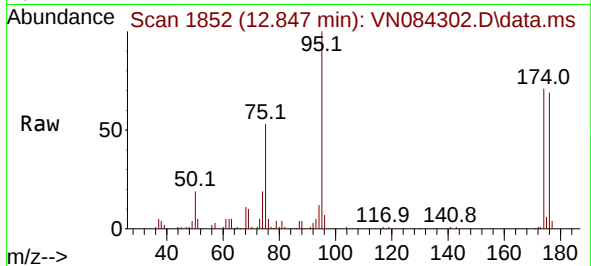




#76
1,2,3-Trichloropropane
Concen: 32.366 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Instrument :
MSVOA_N
ClientSampleId :
RW4-20240927DL

Tgt Ion: 75 Resp: 57114
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.596 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084302.D
Acq: 03 Oct 2024 16:39

Tgt Ion: 75 Resp: 57114
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

