

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100124\
 Data File : VN084238.D
 Acq On : 01 Oct 2024 14:42
 Operator : JC\MD
 Sample : P4116-22DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D4-20240918DL

Quant Time: Oct 02 02:03:04 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)

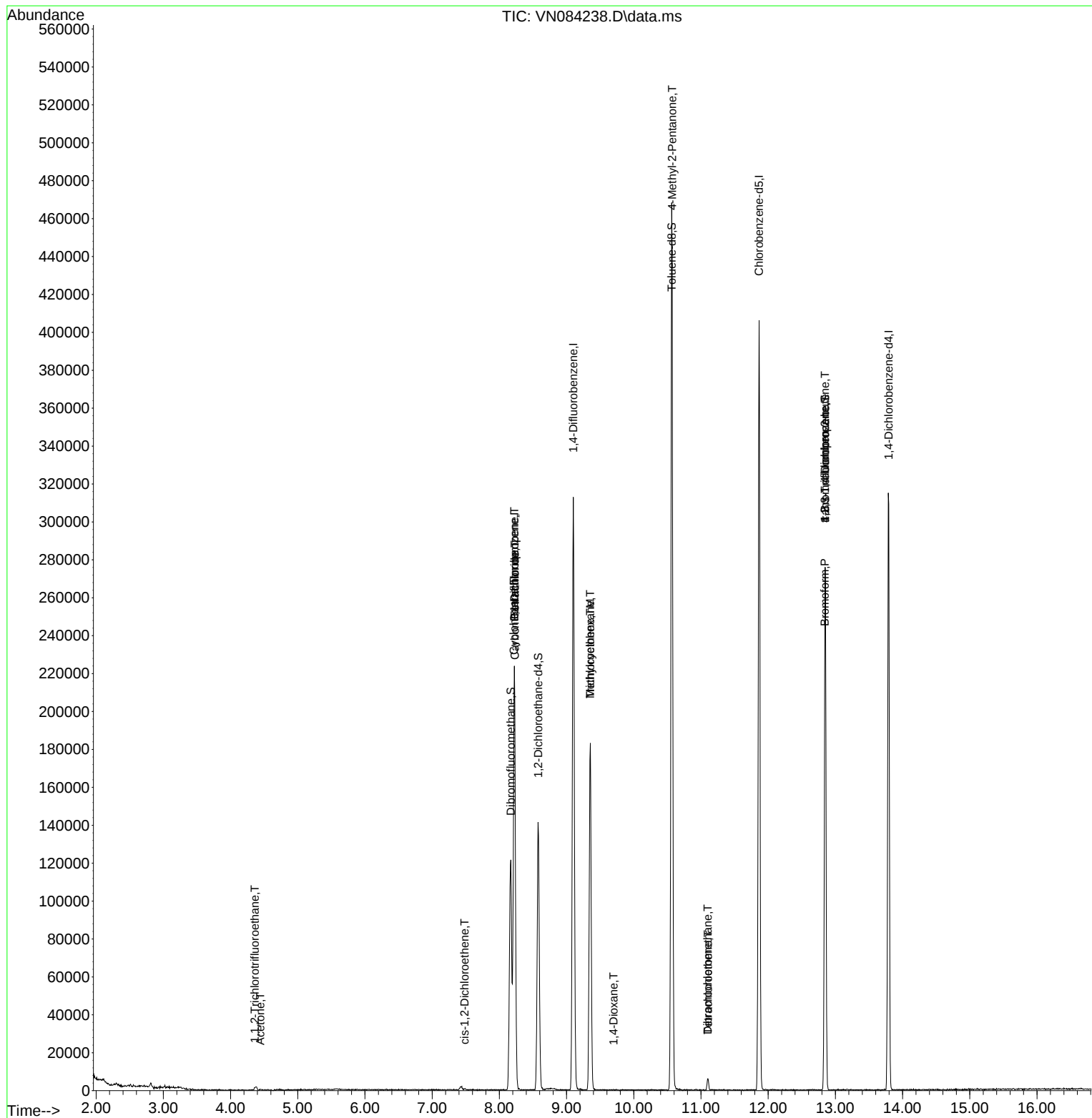
Internal Standards						
1) Pentafluorobenzene	8.224	168	153335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114379	50.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.620%			
35) Dibromofluoromethane	8.171	113	88840	51.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.320%			
50) Toluene-d8	10.565	98	320329	50.141	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.280%			
62) 4-Bromofluorobenzene	12.847	95	96924	41.645	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.280%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.359	101	641	0.358	ug/l #	45
16) Acetone	4.441	43	381	0.390	ug/l #	44
27) cis-1,2-Dichloroethene	7.482	96	439	0.201	ug/l	44
31) Cyclohexane	8.218	56	4185	1.243	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13697	5.431	ug/l #	50
38) Carbon Tetrachloride	8.229	117	17072	6.170	ug/l #	17
39) Methylcyclohexane	9.353	83	1158	0.413	ug/l #	1
44) Trichloroethene	9.353	130	67658	36.863	ug/l	94
49) 1,4-Dioxane	9.700	88	112	3.015	ug/l #	23
51) 4-Methyl-2-Pentanone	10.571	43	1693	0.687	ug/l #	1
60) Dibromochloromethane	11.100	129	1407	0.693	ug/l #	11
64) Tetrachloroethene	11.106	164	1377	0.878	ug/l #	82
71) Bromoform	12.841	173	362	0.286	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	52389	30.210	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52389	72.427	ug/l #	11

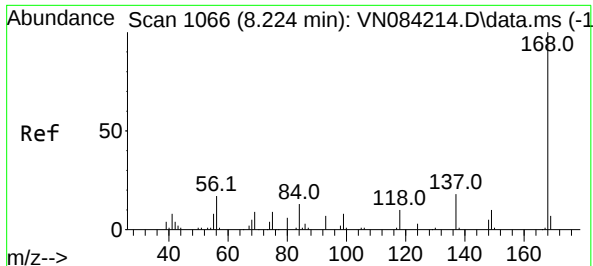
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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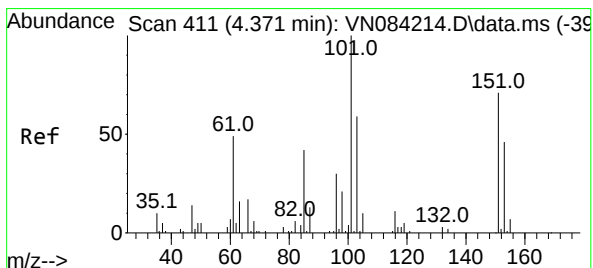
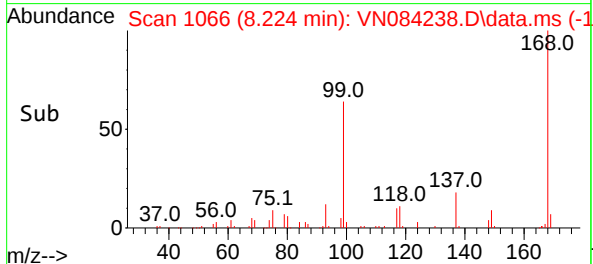
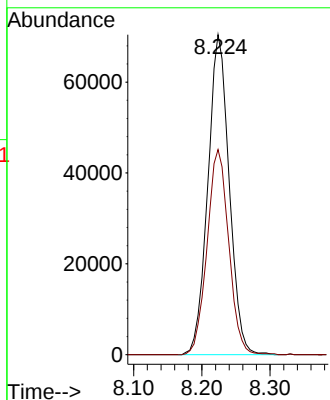
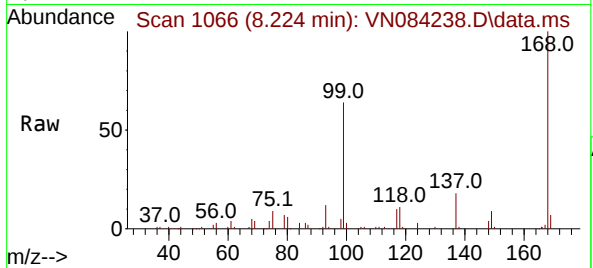




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

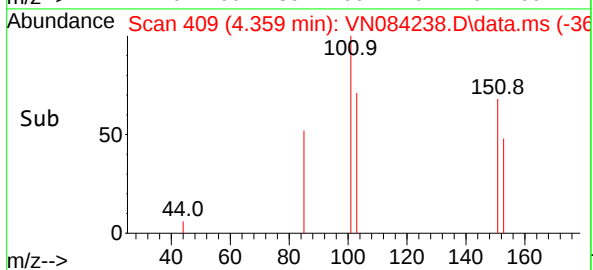
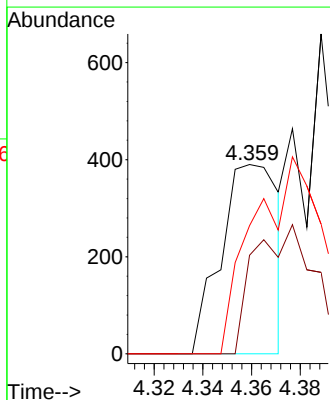
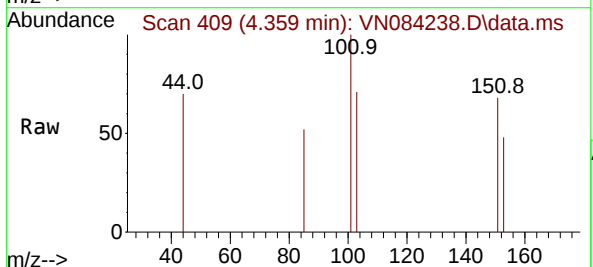
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20240918DL

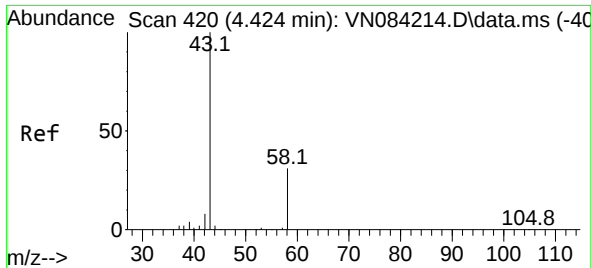
Tgt Ion:168 Resp: 153335
Ion Ratio Lower Upper
168 100
99 64.1 54.2 81.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.358 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

Tgt Ion:101 Resp: 641
Ion Ratio Lower Upper
101 100
85 68.5 36.2 54.4#
151 131.4 59.3 88.9#





#16

Acetone

Concen: 0.390 ug/l

RT: 4.441 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN084238.D

Acq: 01 Oct 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

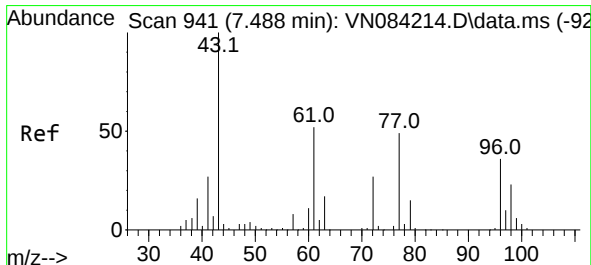
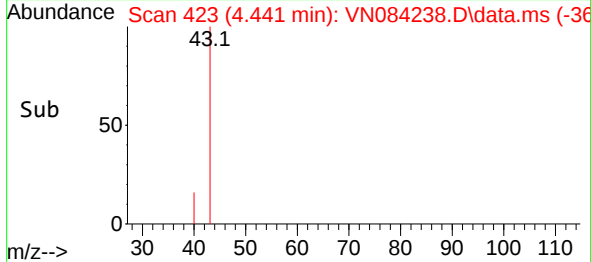
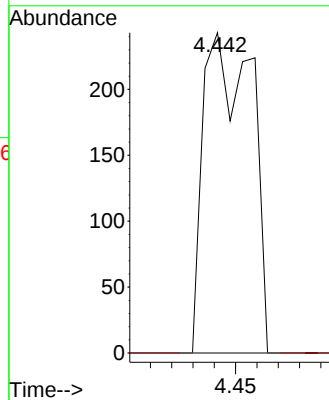
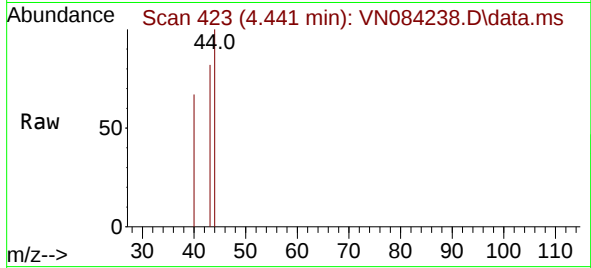
RE132D4-20240918DL

Tgt Ion: 43 Resp: 381

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#27

cis-1,2-Dichloroethene

Concen: 0.201 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN084238.D

Acq: 01 Oct 2024 14:42

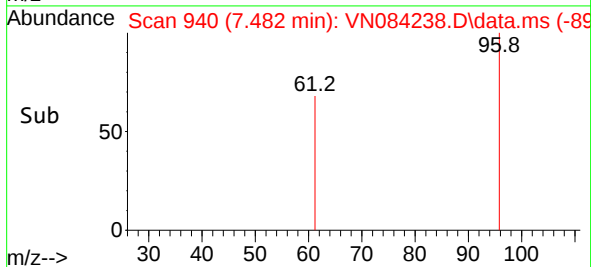
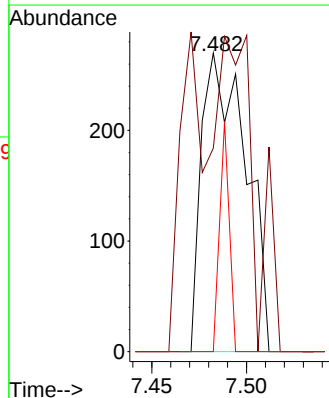
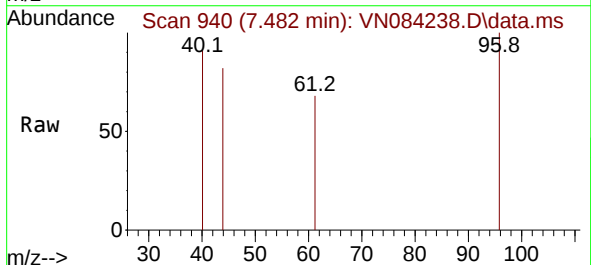
Tgt Ion: 96 Resp: 439

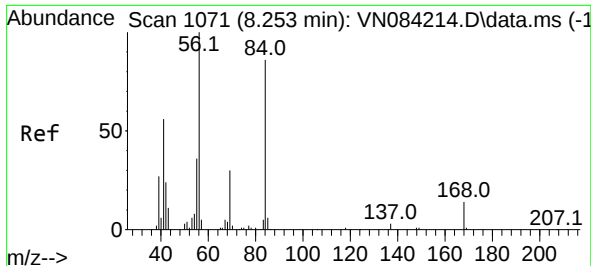
Ion Ratio Lower Upper

96 100

61 81.5 0.0 301.8

98 16.6 0.0 128.2

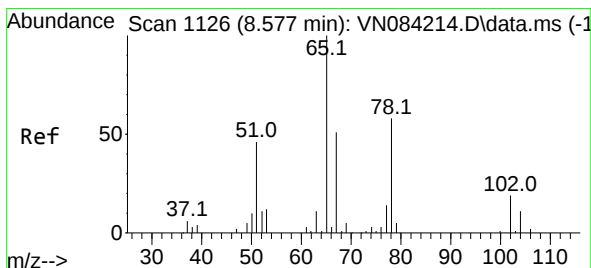
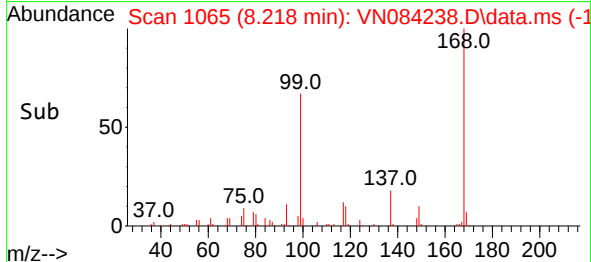
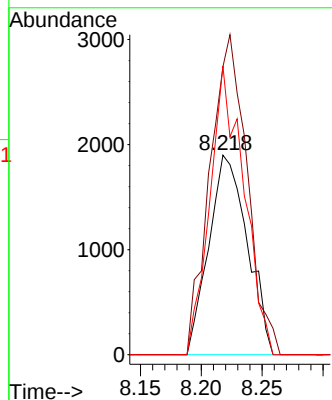
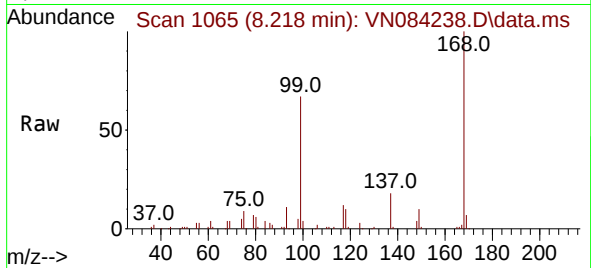




#31
Cyclohexane
Concen: 1.243 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

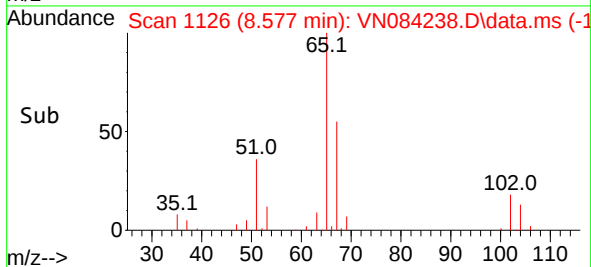
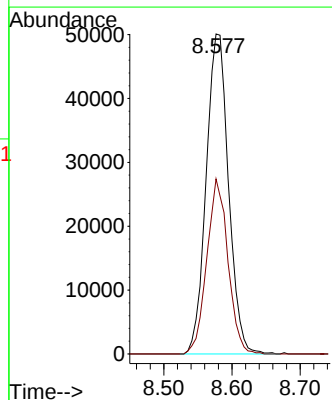
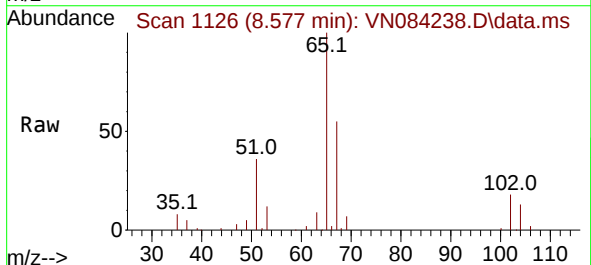
Instrument :
MSVOA_N
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RE132D4-20240918DL

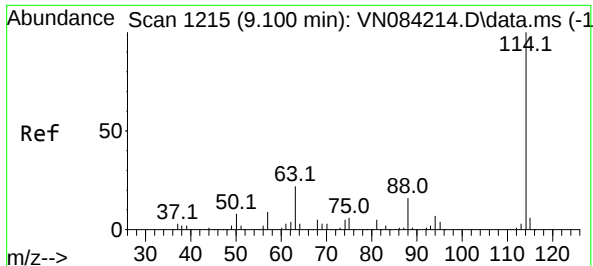
Tgt Ion: 56 Resp: 4185
Ion Ratio Lower Upper
56 100
69 144.3 23.8 35.6#
84 144.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.310 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

Tgt Ion: 65 Resp: 114379
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0

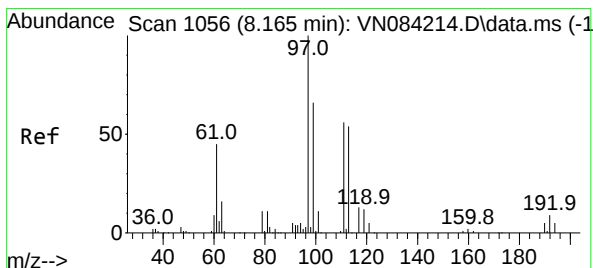
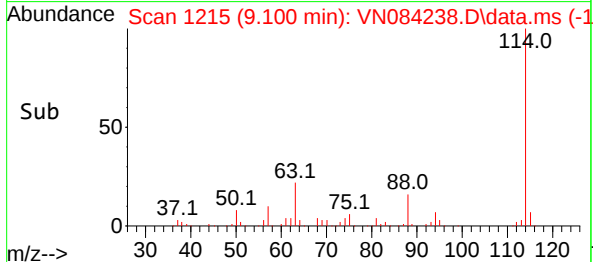
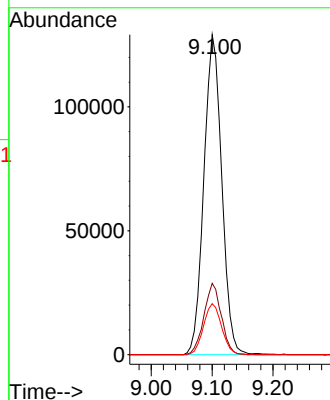
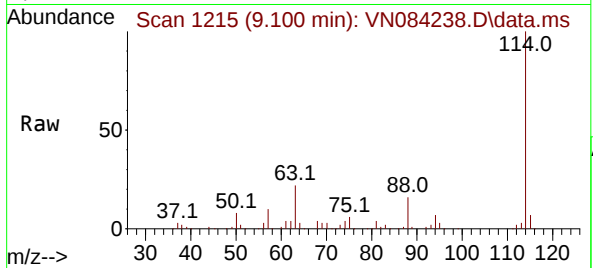




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

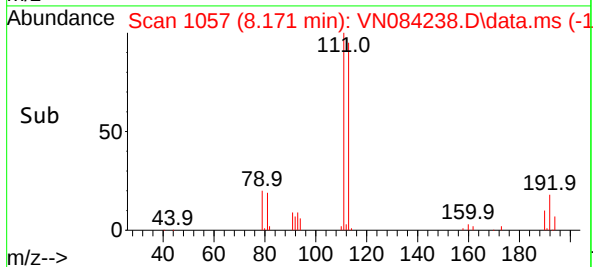
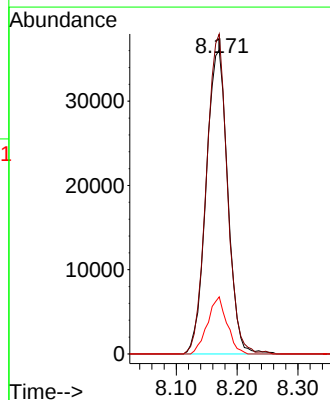
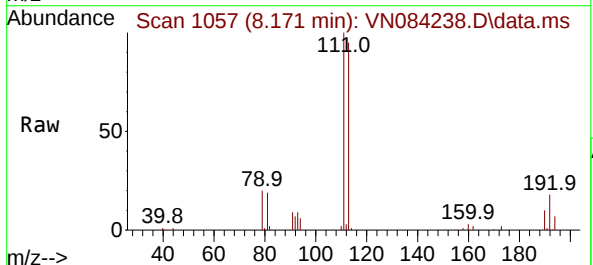
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20240918DL

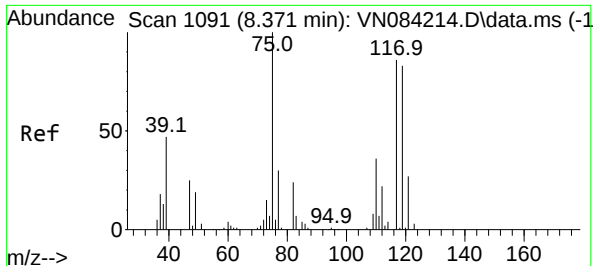
Tgt Ion:114 Resp: 263391
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.8
88 16.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.162 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

Tgt Ion:113 Resp: 88840
Ion Ratio Lower Upper
113 100
111 101.8 83.3 124.9
192 16.9 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.431 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084238.D

Acq: 01 Oct 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

RE132D4-20240918DL

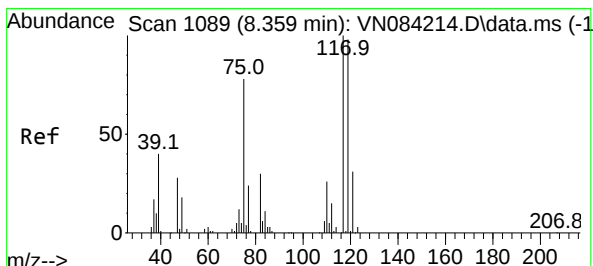
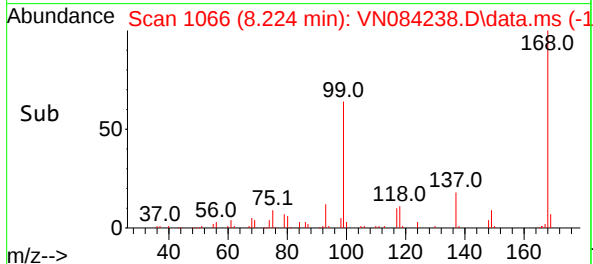
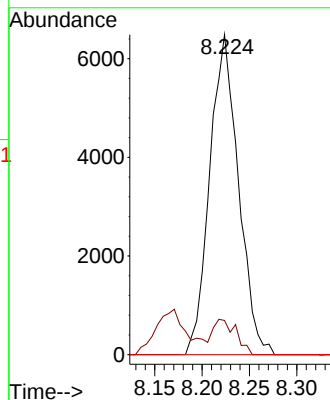
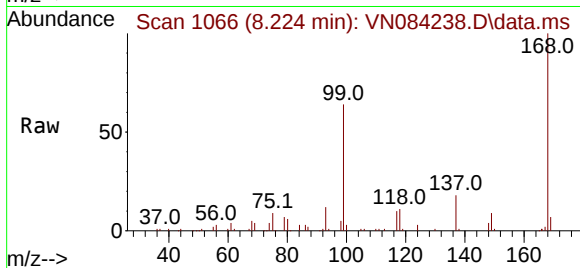
Tgt Ion: 75 Resp: 13697

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.170 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN084238.D

Acq: 01 Oct 2024 14:42

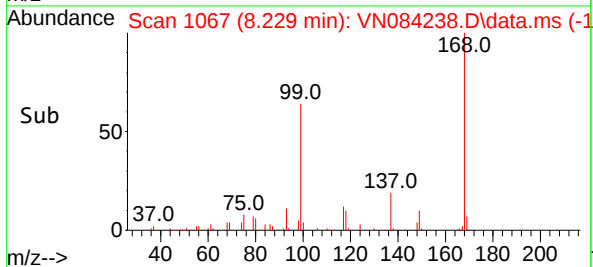
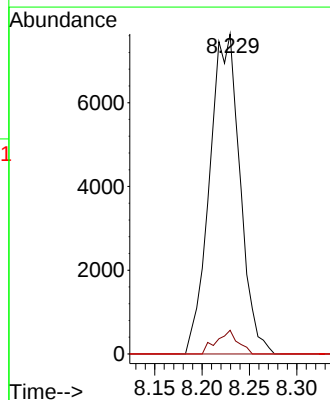
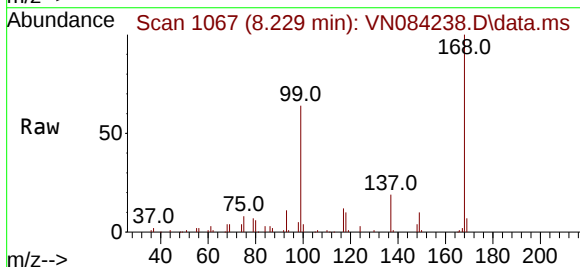
Tgt Ion: 117 Resp: 17072

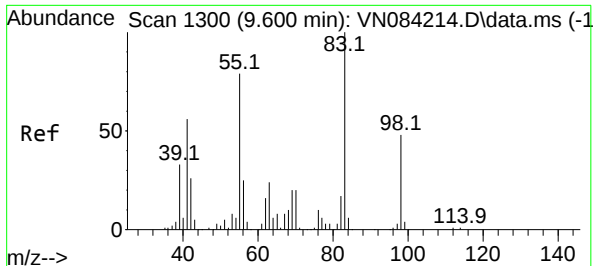
Ion Ratio Lower Upper

117 100

119 7.4 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.413 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.247 min

Lab File: VN084238.D

Acq: 01 Oct 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

RE132D4-20240918DL

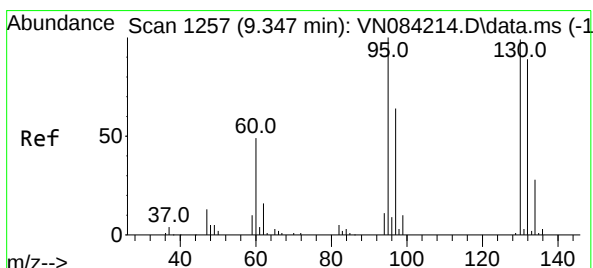
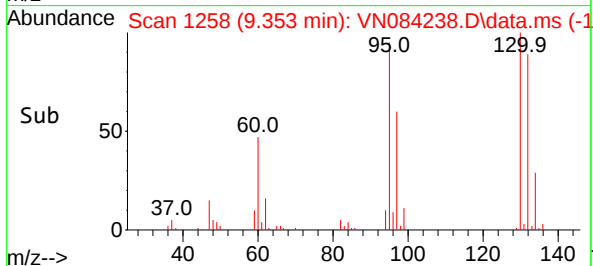
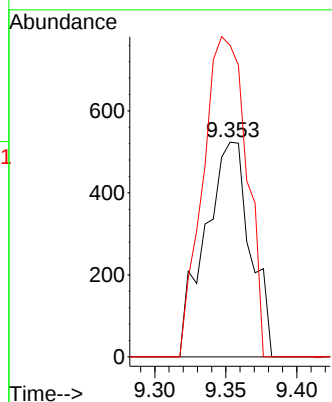
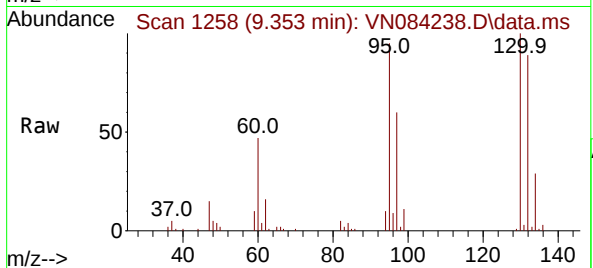
Tgt Ion: 83 Resp: 1158

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 145.0 38.8 58.2#



#44

Trichloroethene

Concen: 36.863 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084238.D

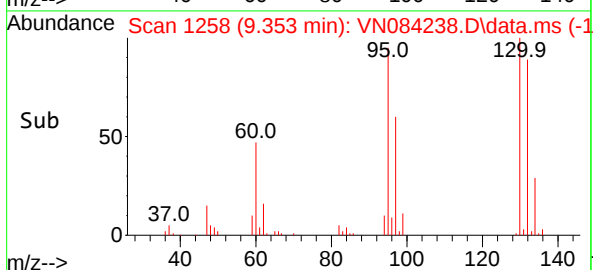
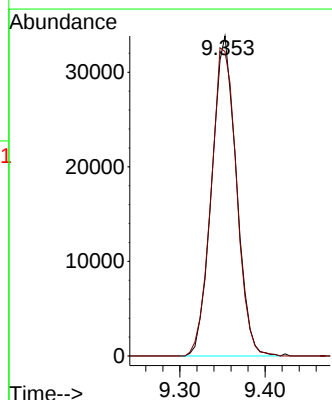
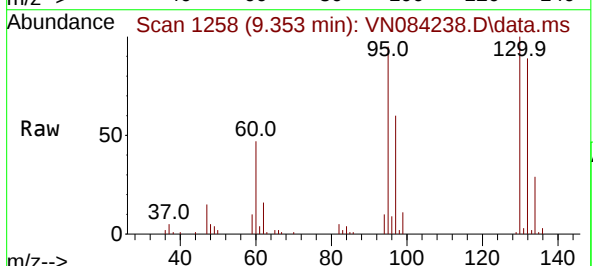
Acq: 01 Oct 2024 14:42

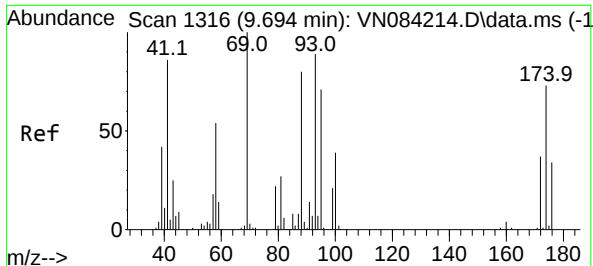
Tgt Ion:130 Resp: 67658

Ion Ratio Lower Upper

130 100

95 95.1 0.0 203.0





#49

1,4-Dioxane

Concen: 3.015 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084238.D

Acq: 01 Oct 2024 14:42

Instrument :

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RE132D4-20240918DL

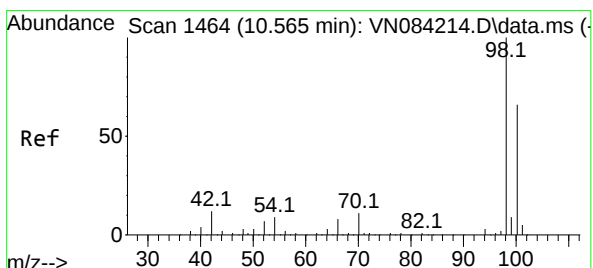
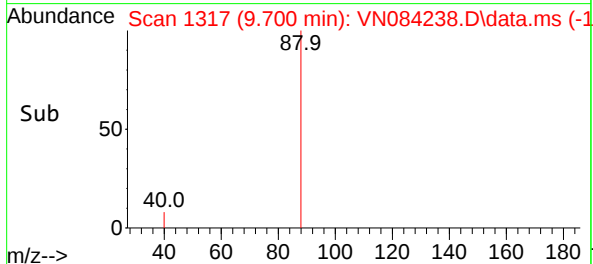
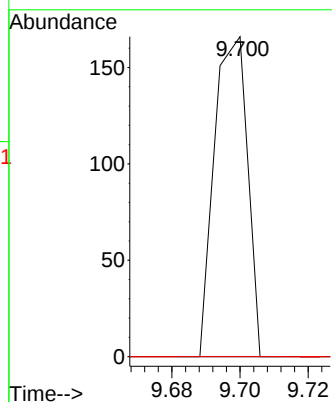
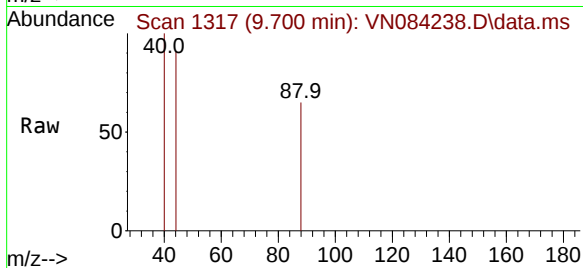
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 50.141 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084238.D

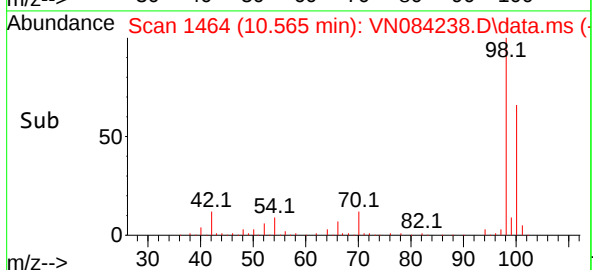
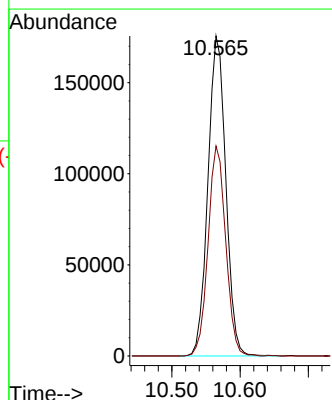
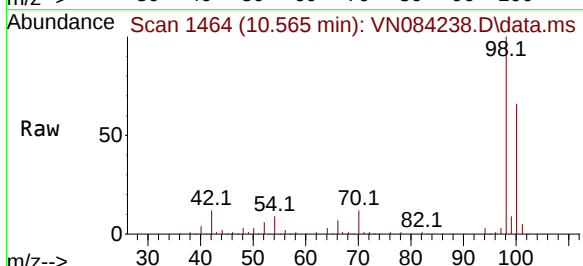
Acq: 01 Oct 2024 14:42

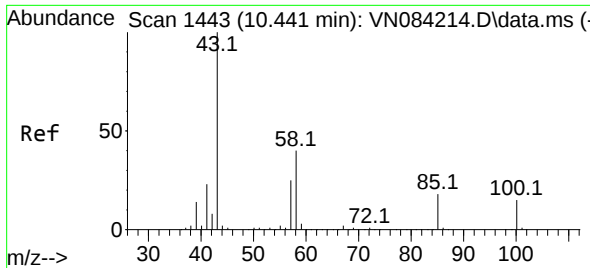
Tgt Ion: 98 Resp: 320329

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.687 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.129 min

Lab File: VN084238.D

Acq: 01 Oct 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

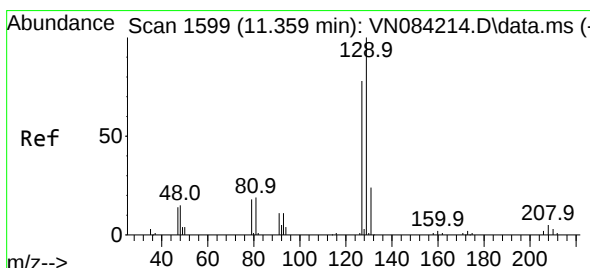
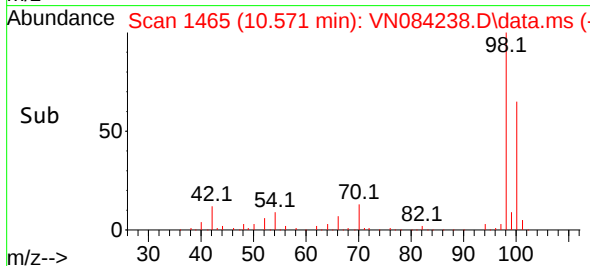
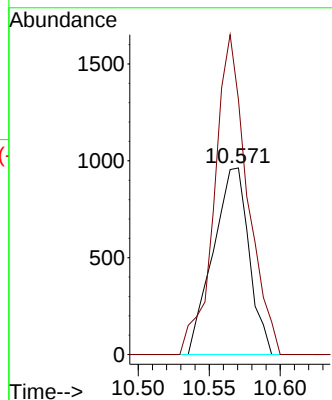
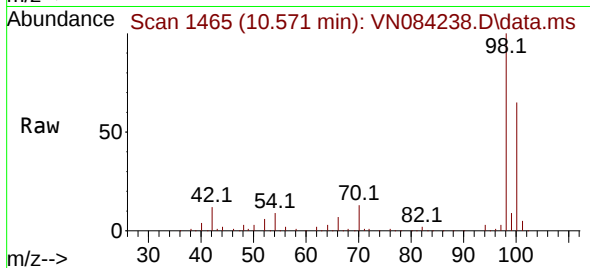
RE132D4-20240918DL

Tgt Ion: 43 Resp: 1693

Ion Ratio Lower Upper

43 100

58 157.6 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.693 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN084238.D

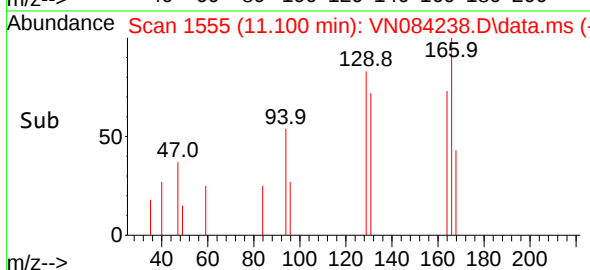
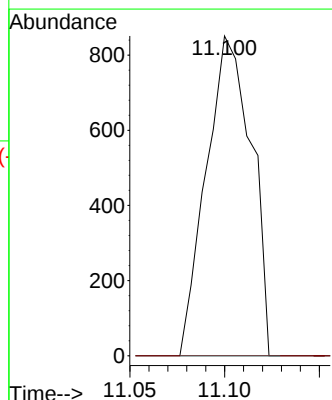
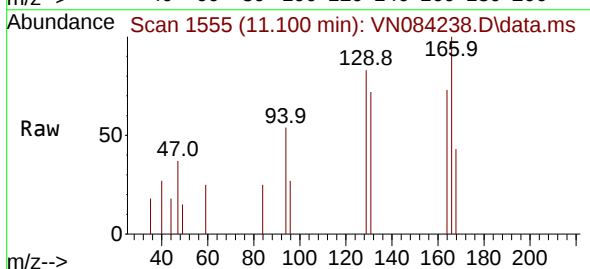
Acq: 01 Oct 2024 14:42

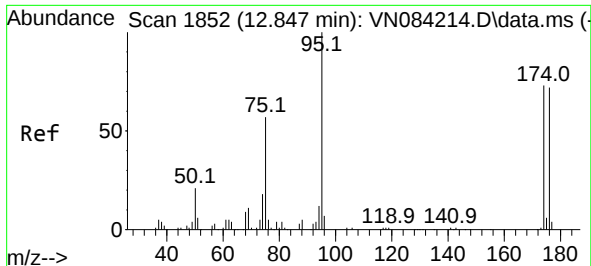
Tgt Ion: 129 Resp: 1407

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#

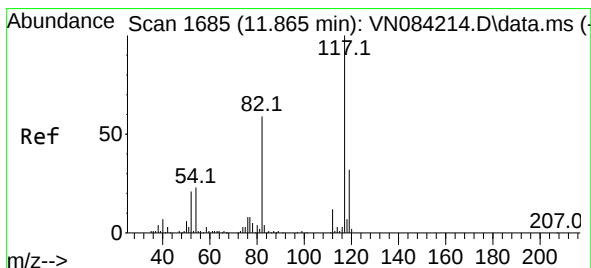
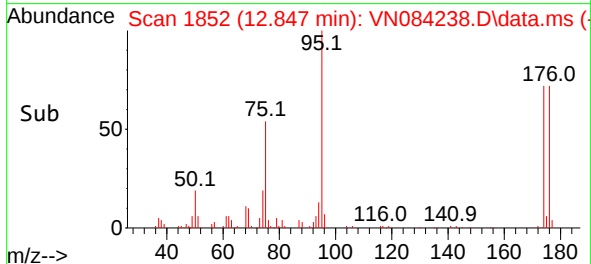
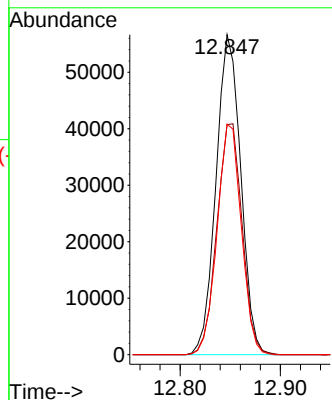
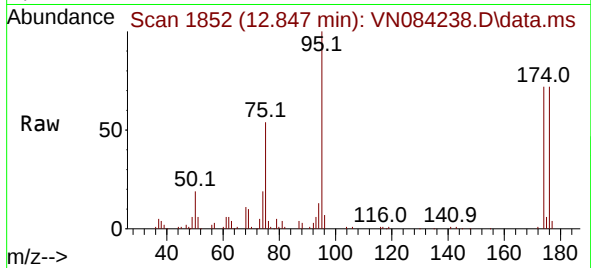




#62
4-Bromofluorobenzene
Concen: 41.645 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

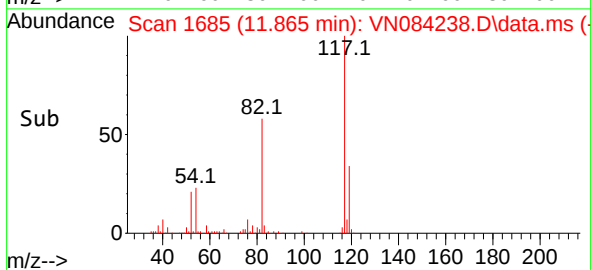
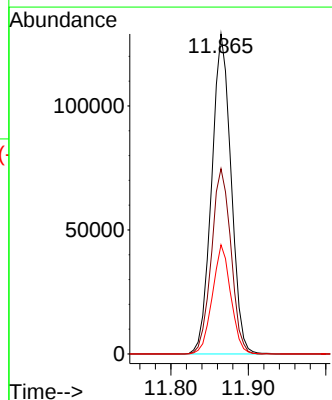
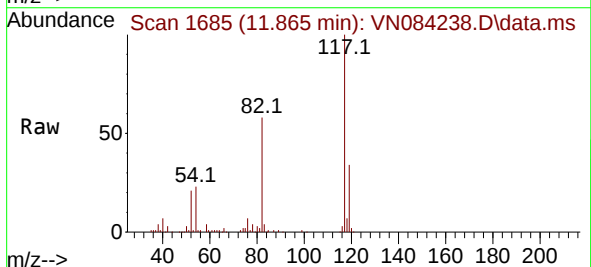
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20240918DL

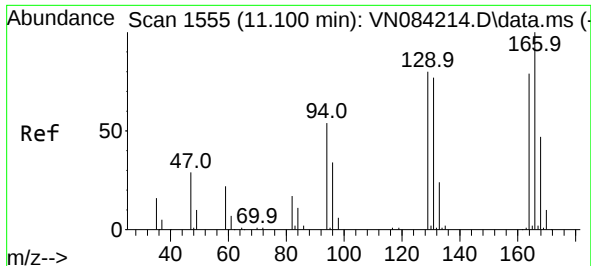
Tgt Ion: 95 Resp: 96924
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.2
176 70.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

Tgt Ion: 117 Resp: 225161
Ion Ratio Lower Upper
117 100
82 57.9 47.2 70.8
119 34.1 25.4 38.0

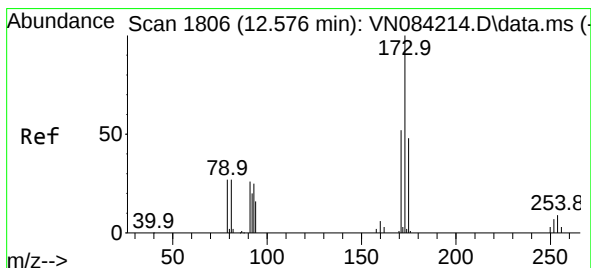
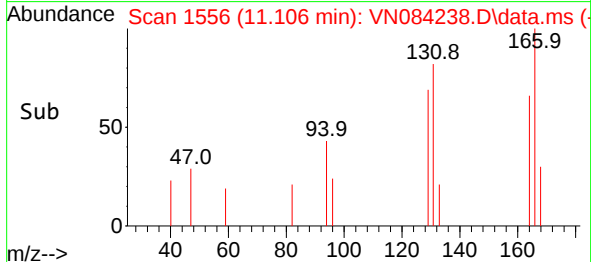
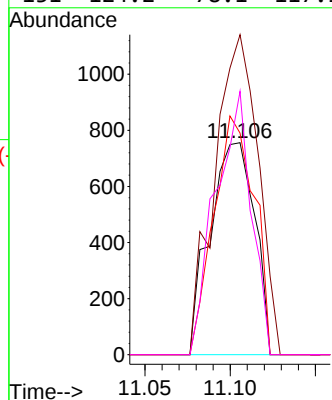
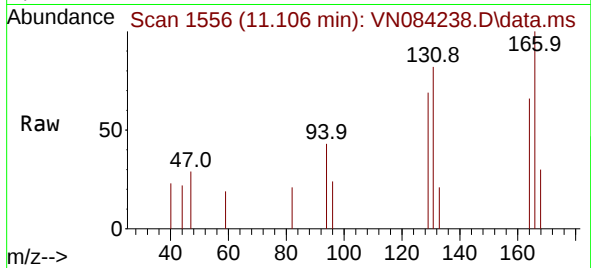




#64
Tetrachloroethene
Concen: 0.878 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

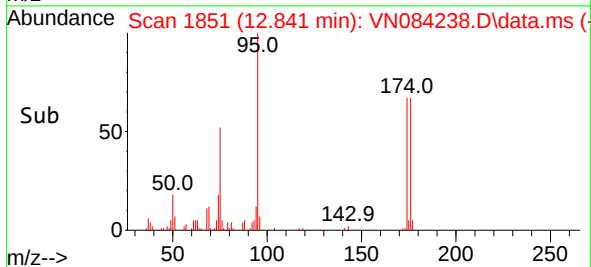
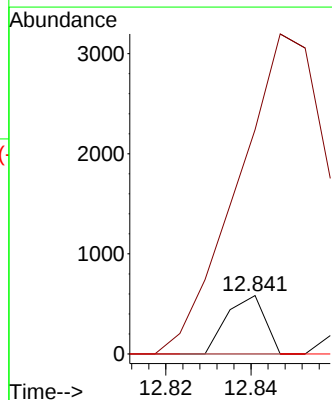
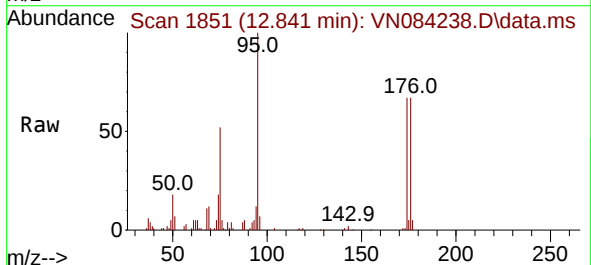
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20240918DL

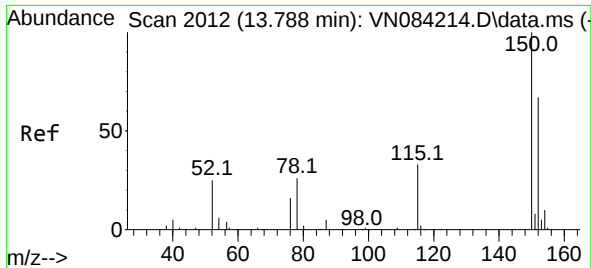
Tgt Ion:164 Resp: 1377
Ion Ratio Lower Upper
164 100
166 150.9 101.0 151.4
129 104.5 80.8 121.2
131 124.2 78.1 117.1#



#71
Bromoform
Concen: 0.286 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

Tgt Ion:173 Resp: 362
Ion Ratio Lower Upper
173 100
175 1065.5 23.5 70.6#
254 0.0 0.0 0.0

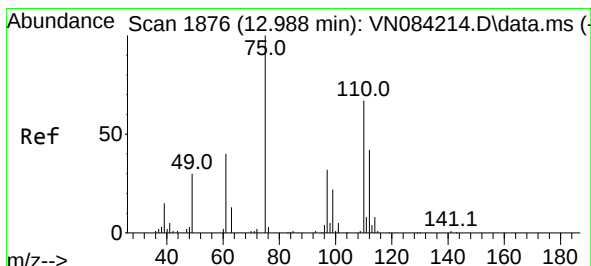
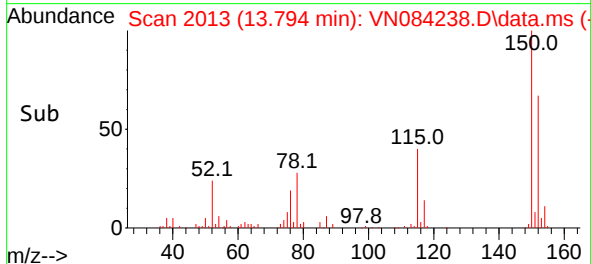
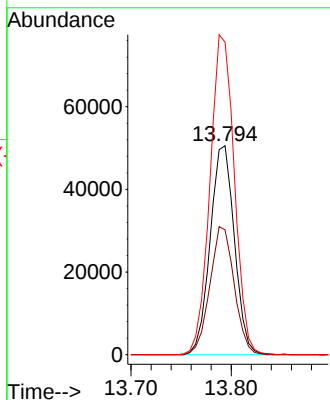
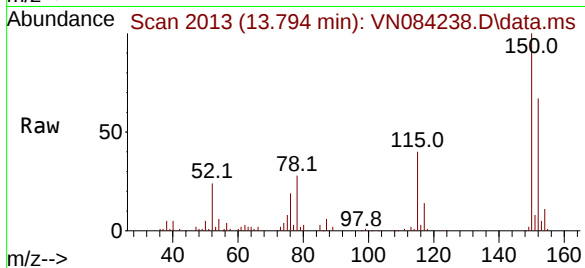




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

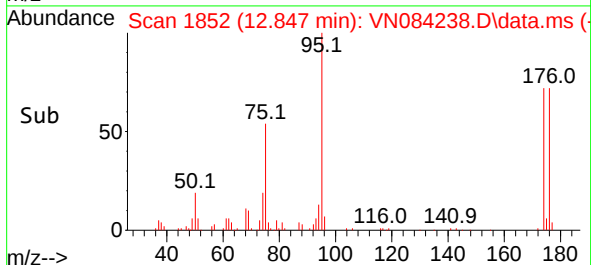
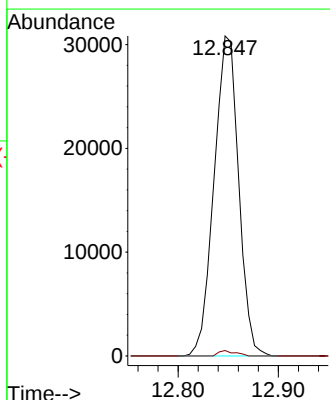
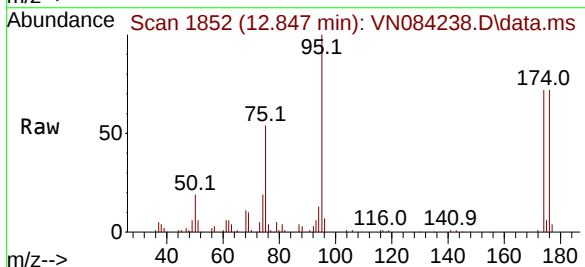
Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20240918DL

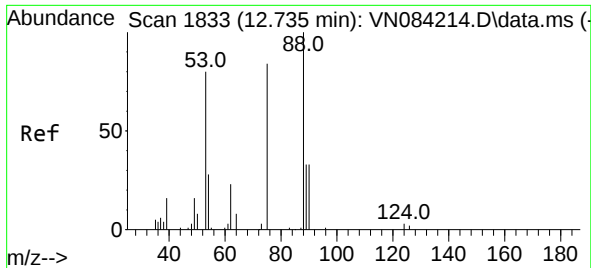
Tgt Ion:152 Resp: 84944
Ion Ratio Lower Upper
152 100
115 61.5 31.3 93.9
150 153.9 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 30.210 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

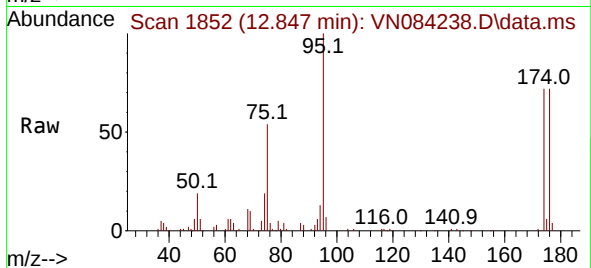
Tgt Ion: 75 Resp: 52389
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.427 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084238.D
Acq: 01 Oct 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
RE132D4-20240918DL



Tgt Ion: 75 Resp: 52389
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

