

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100124\
 Data File : VN084249.D
 Acq On : 01 Oct 2024 19:06
 Operator : JC\MD
 Sample : P4241-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 02:07:21 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

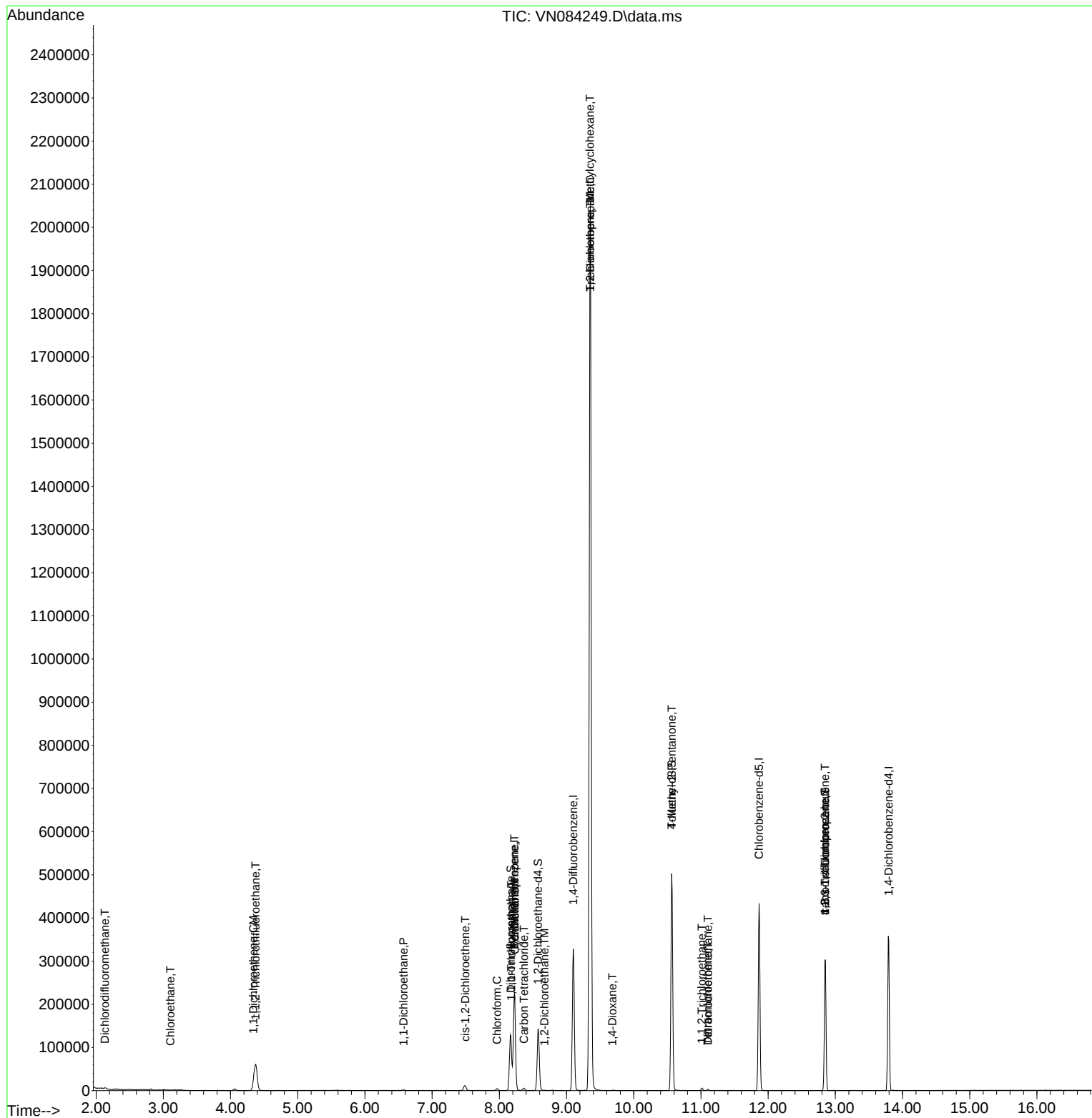
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117387	50.698	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.400%	
35) Dibromofluoromethane	8.171	113	91178	50.066	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.140%	
50) Toluene-d8	10.565	98	340777	50.860	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	12.847	95	107316	43.965	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.920%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	1324	0.717	ug/l	96
6) Chloroethane	3.107	64	364	0.249	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.371	101	41956	23.016	ug/l	99
12) 1,1-Dichloroethene	4.342	96	5984	3.403	ug/l	87
24) 1,1-Dichloroethane	6.577	63	2570	0.728	ug/l #	83
27) cis-1,2-Dichloroethene	7.494	96	7374	3.313	ug/l	88
30) Chloroform	7.965	83	4507	1.228	ug/l #	80
31) Cyclohexane	8.230	56	3567	1.040	ug/l #	1
32) 1,1,1-Trichloroethane	8.177	97	998	0.303	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	14304	5.407	ug/l #	50
38) Carbon Tetrachloride	8.365	117	3985	1.373	ug/l	96
39) Methylcyclohexane	9.347	83	9794	3.327	ug/l #	1
42) 1,2-Dichloroethane	8.671	62	702	0.251	ug/l #	75
44) Trichloroethene	9.353	130	727955	378.165	ug/l	96
45) 1,2-Dichloropropane	9.353	63	2502	1.283	ug/l #	1
49) 1,4-Dioxane	9.683	88	696	17.866	ug/l #	23
51) 4-Methyl-2-Pentanone	10.565	43	1521	0.589	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	2251	1.249	ug/l #	75
60) Dibromochloromethane	11.106	129	609	0.286	ug/l #	11
64) Tetrachloroethene	11.100	164	679	0.406	ug/l #	82
76) 1,2,3-Trichloropropane	12.847	75	55698	29.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55698	69.932	ug/l #	11

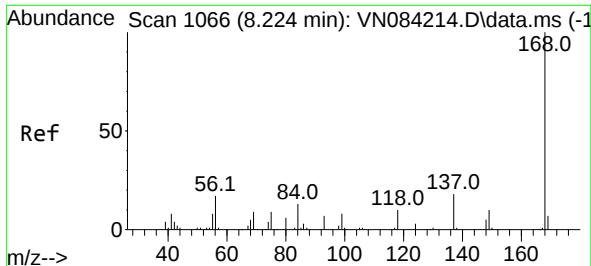
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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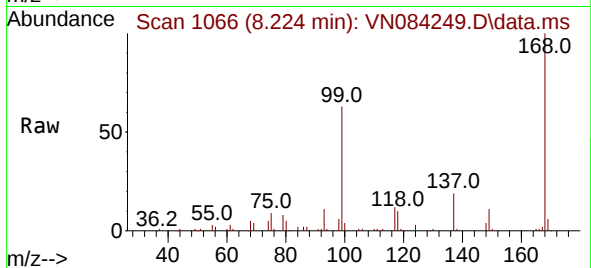
Quant Time: Oct 02 02:07:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
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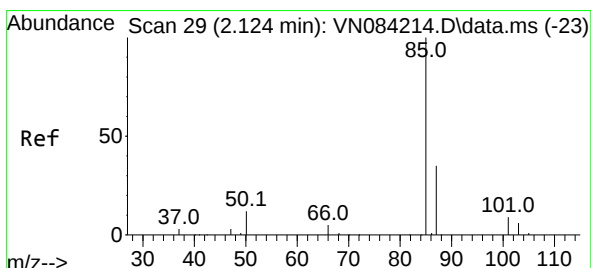
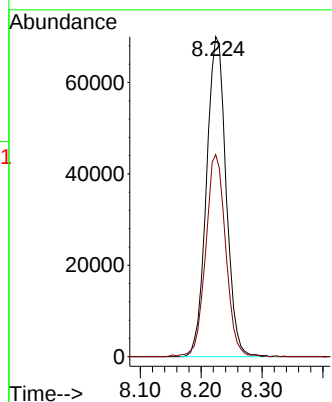
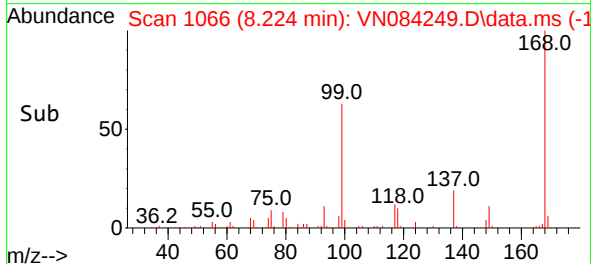


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

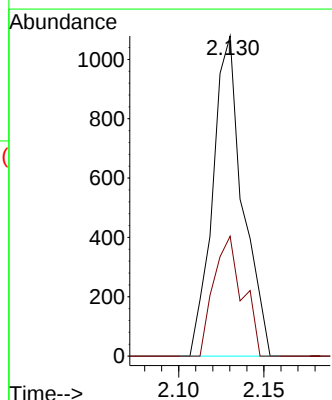
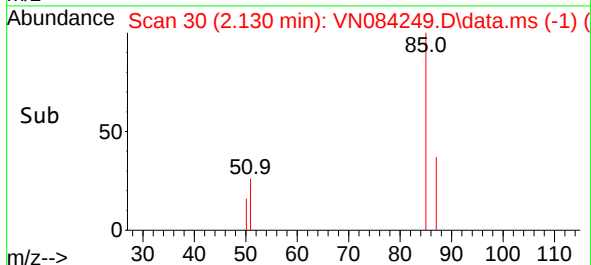
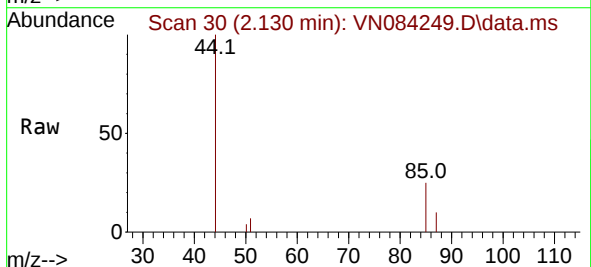


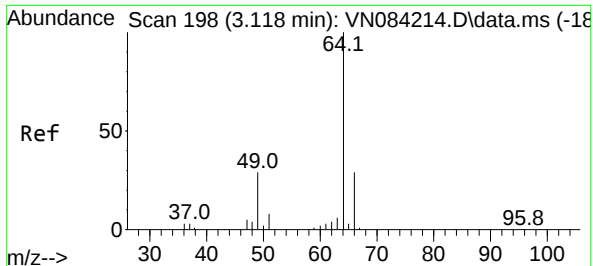
Tgt Ion:168 Resp: 156164
Ion Ratio Lower Upper
168 100
99 63.2 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.717 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

Tgt Ion: 85 Resp: 1324
Ion Ratio Lower Upper
85 100
87 37.4 17.6 52.9

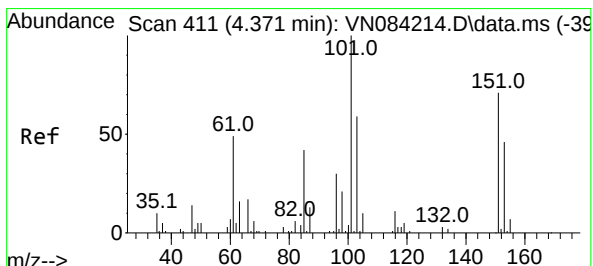
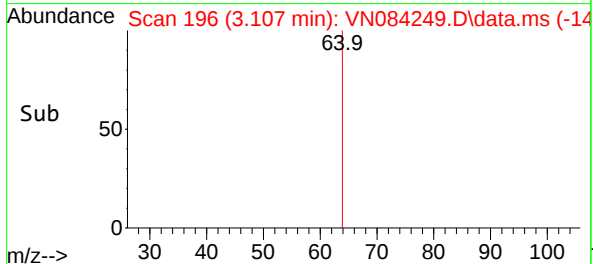
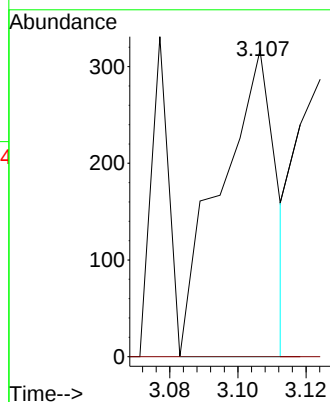
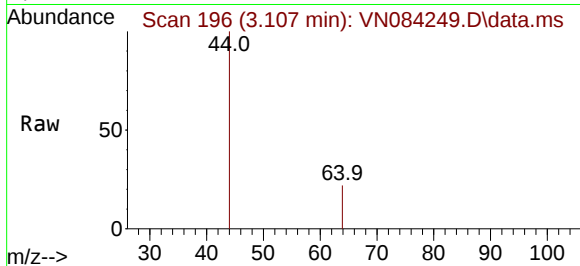




#6
Chloroethane
Concen: 0.249 ug/l
RT: 3.107 min Scan# 198
Delta R.T. -0.012 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

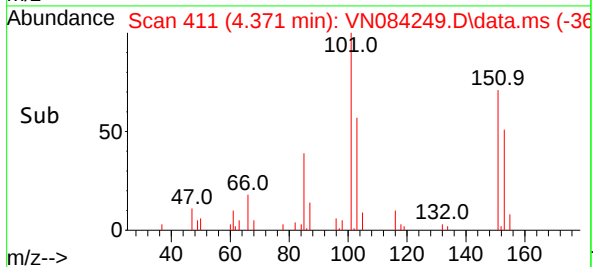
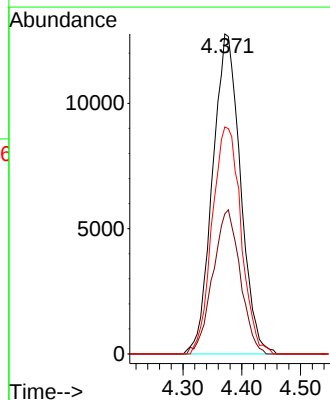
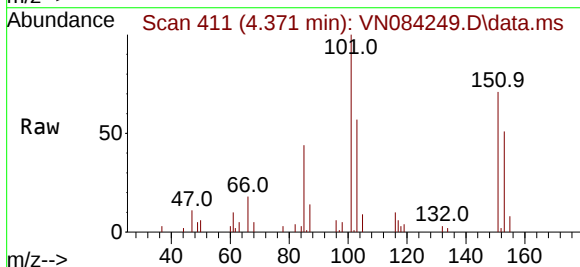
Instrument :
MSVOA_N
ClientSampleId :

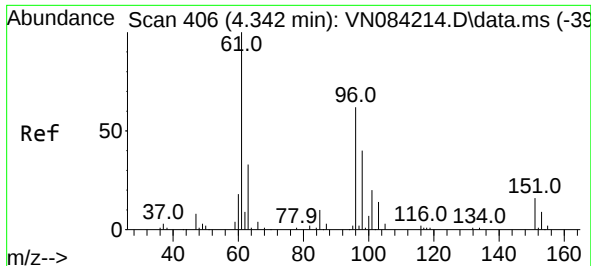
Tgt Ion: 64 Resp: 364
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.016 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

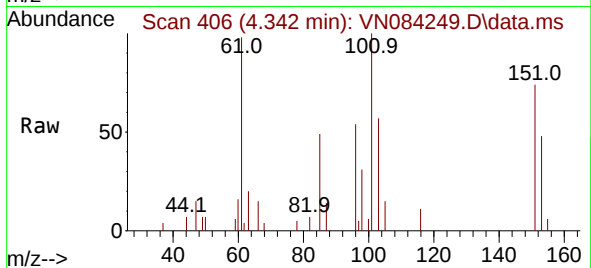
Tgt Ion:101 Resp: 41956
Ion Ratio Lower Upper
101 100
85 44.3 36.2 54.4
151 73.4 59.3 88.9





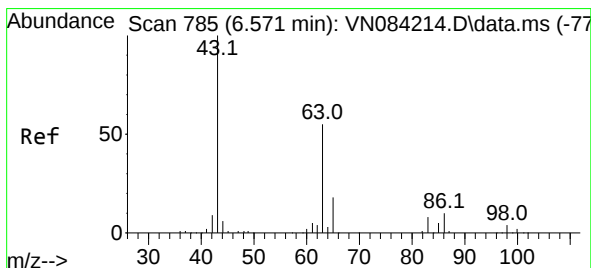
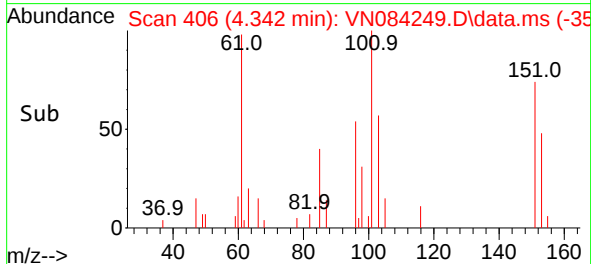
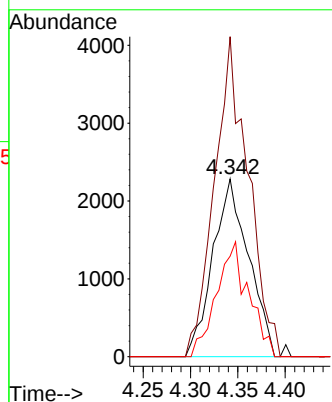
#12
 1,1-Dichloroethene
 Concen: 3.403 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VN084249.D
 Acq: 01 Oct 2024 19:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 96 Resp: 5984

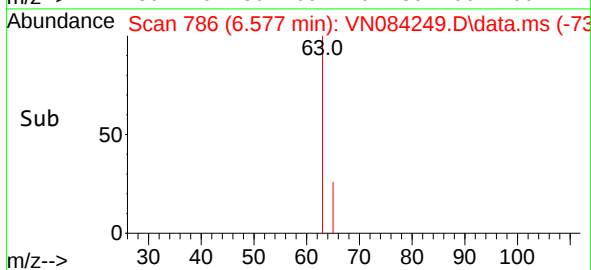
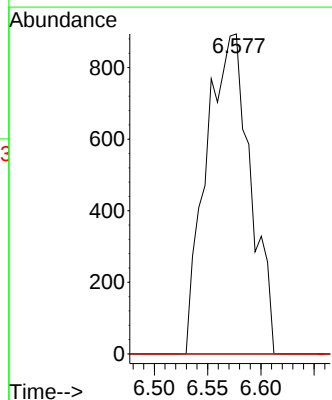
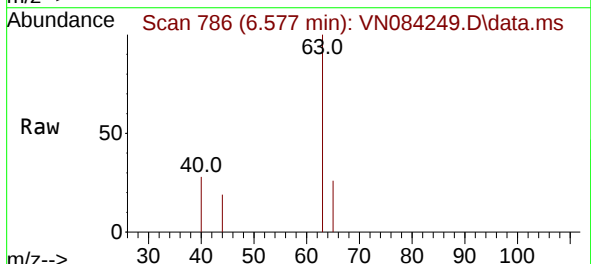
Ion	Ratio	Lower	Upper
96	100		
61	180.0	128.6	192.8
98	56.6	51.7	77.5

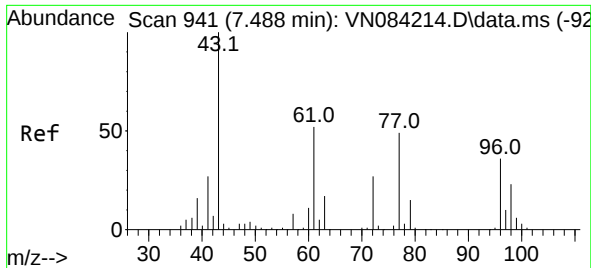


#24
 1,1-Dichloroethane
 Concen: 0.728 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.006 min
 Lab File: VN084249.D
 Acq: 01 Oct 2024 19:06

Tgt Ion: 63 Resp: 2570

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	5.8#

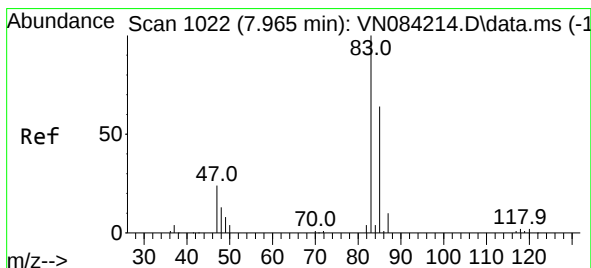
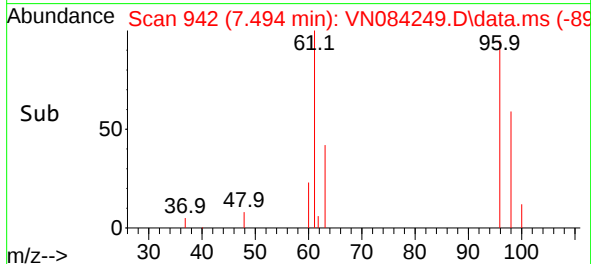
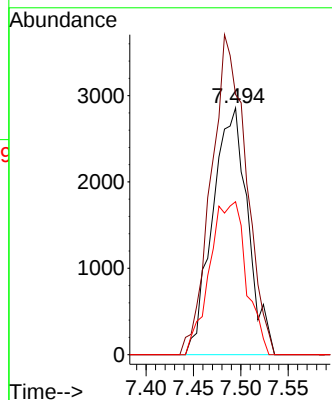
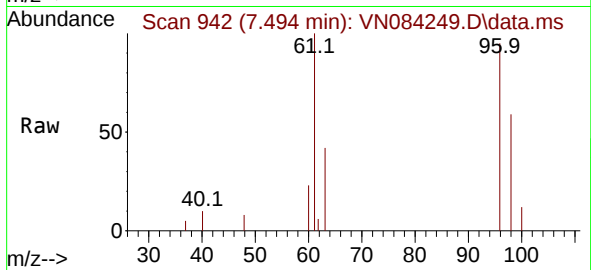




#27
 cis-1,2-Dichloroethene
 Concen: 3.313 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084249.D
 Acq: 01 Oct 2024 19:06

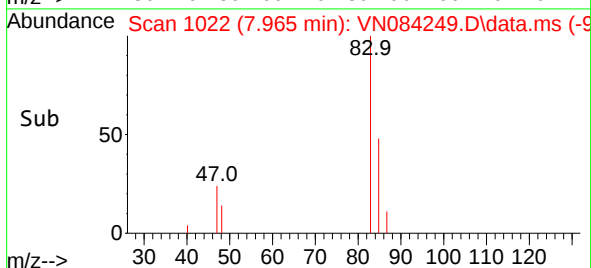
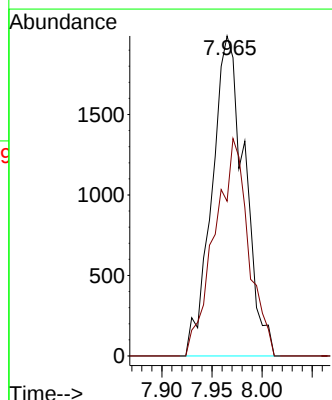
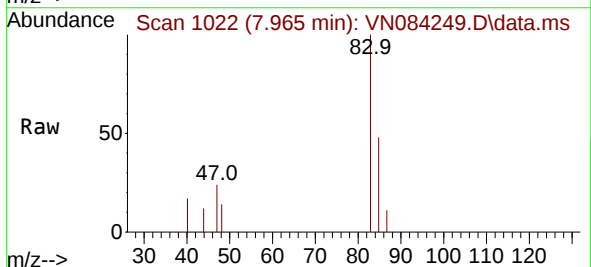
Instrument :
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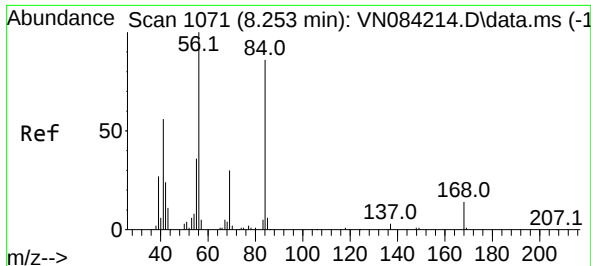
Tgt Ion: 96 Resp: 7374
 Ion Ratio Lower Upper
 96 100
 61 128.7 0.0 301.8
 98 64.5 0.0 128.2



#30
 Chloroform
 Concen: 1.228 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: VN084249.D
 Acq: 01 Oct 2024 19:06

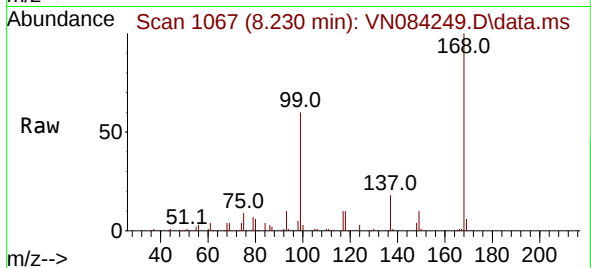
Tgt Ion: 83 Resp: 4507
 Ion Ratio Lower Upper
 83 100
 85 48.3 51.0 76.4#



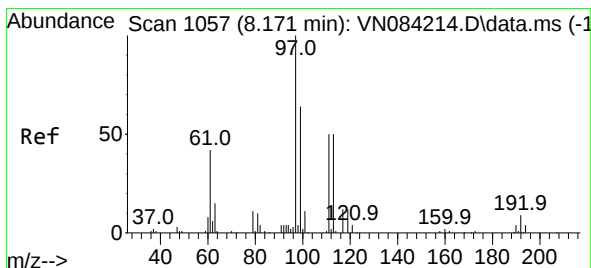
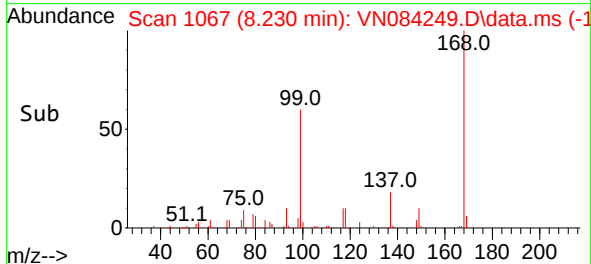
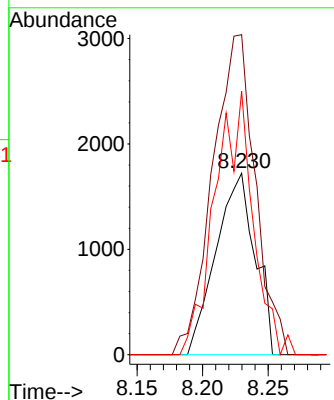


#31
Cyclohexane
Concen: 1.040 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

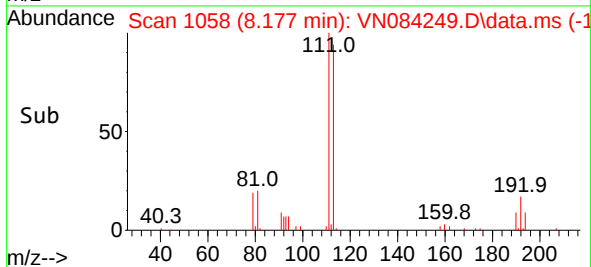
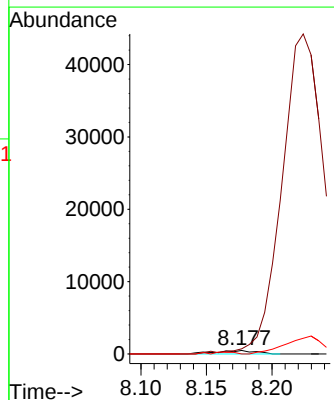
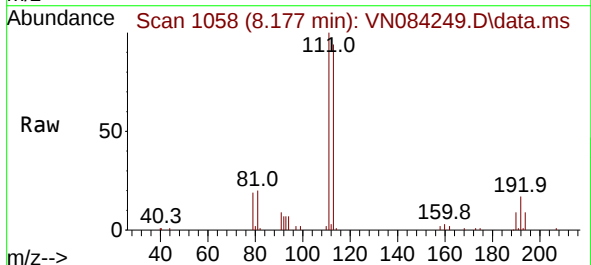


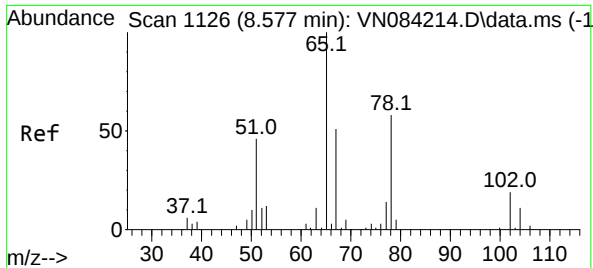
Tgt Ion: 56 Resp: 3567
Ion Ratio Lower Upper
56 100
69 166.1 23.8 35.6#
84 145.2 68.8 103.2#



#32
1,1,1-Trichloroethane
Concen: 0.303 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

Tgt Ion: 97 Resp: 998
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 32.2 37.5 56.3#





#33

1,2-Dichloroethane-d4

Concen: 50.698 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

Instrument :

MSVOA_N

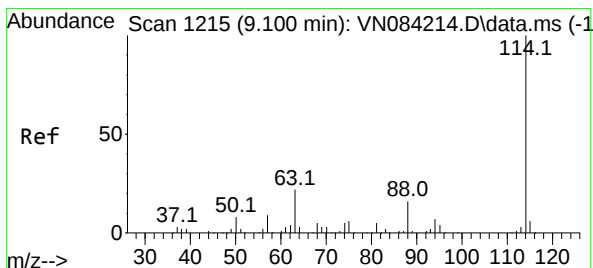
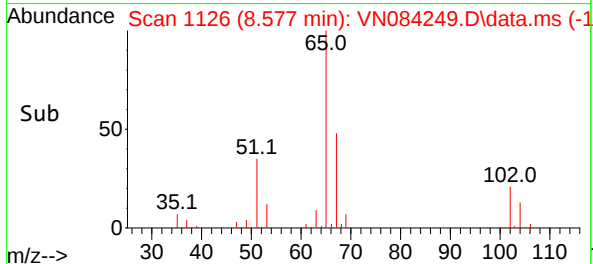
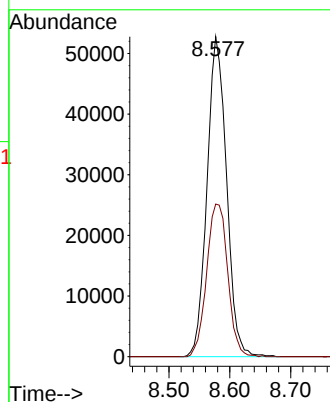
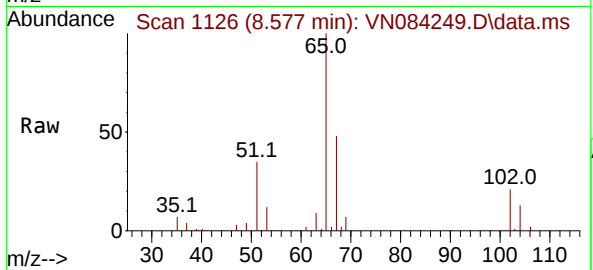
ClientSampleId :

Tgt Ion: 65 Resp: 117387

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

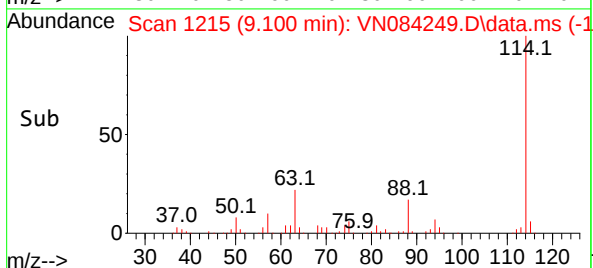
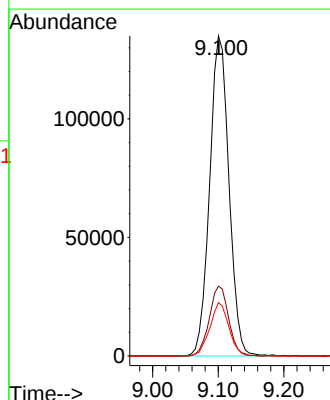
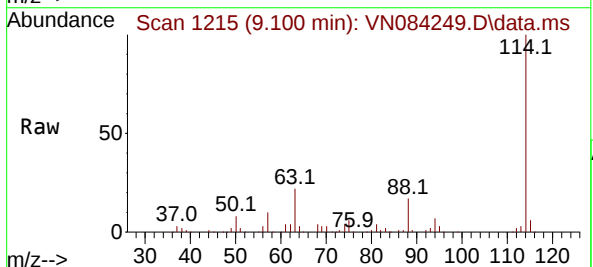
Tgt Ion: 114 Resp: 276242

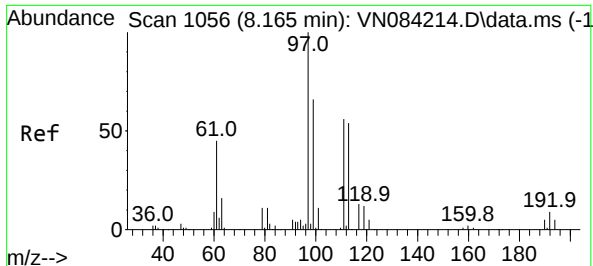
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.066 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

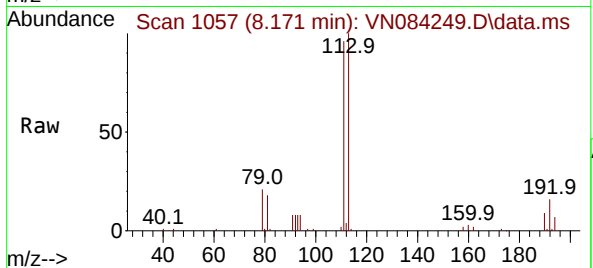
Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :



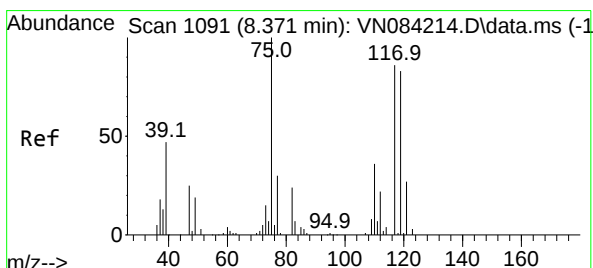
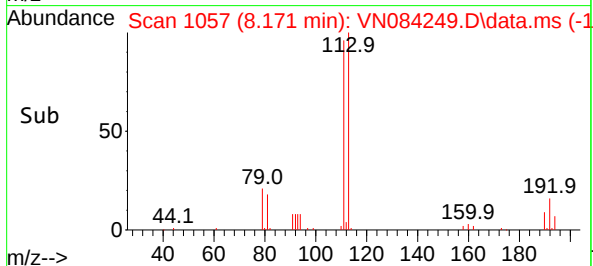
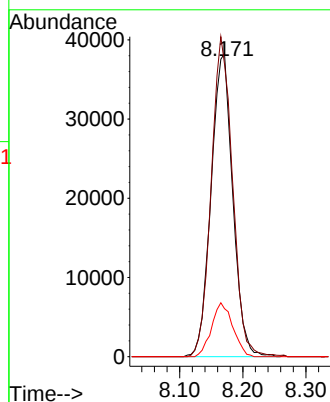
Tgt Ion:113 Resp: 91178

Ion Ratio Lower Upper

113 100

111 103.7 83.3 124.9

192 17.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.407 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

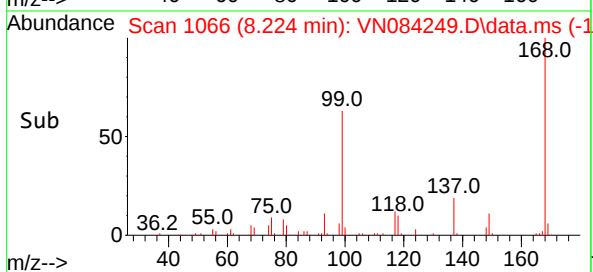
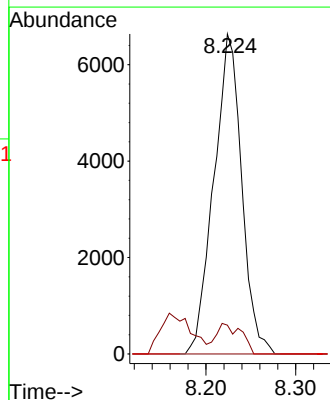
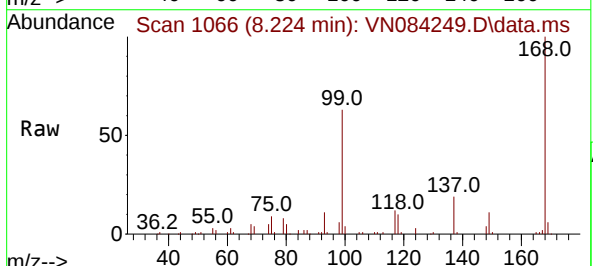
Tgt Ion: 75 Resp: 14304

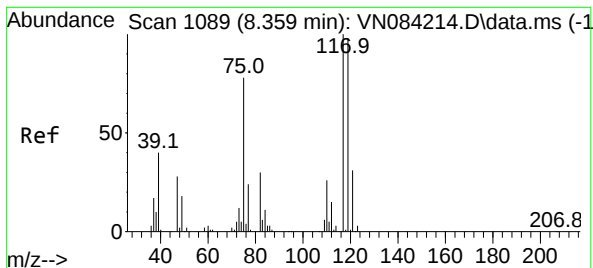
Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 1.373 ug/l

RT: 8.365 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

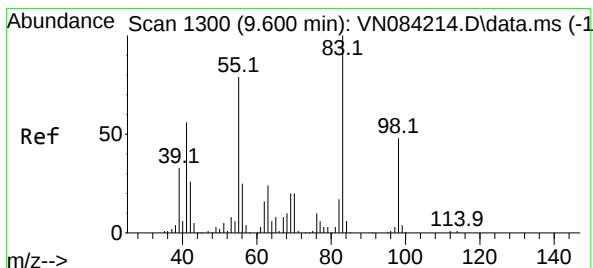
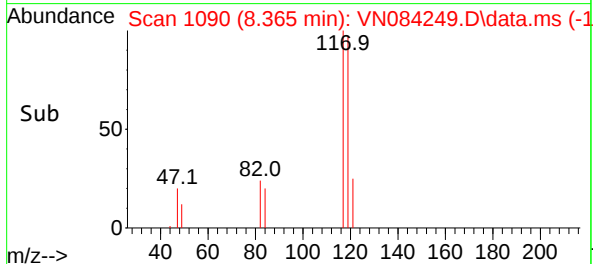
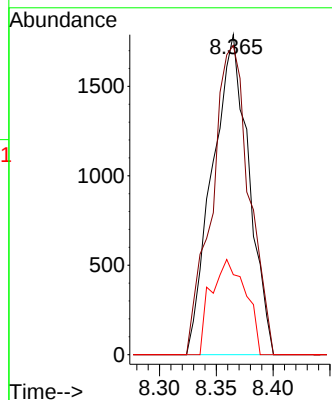
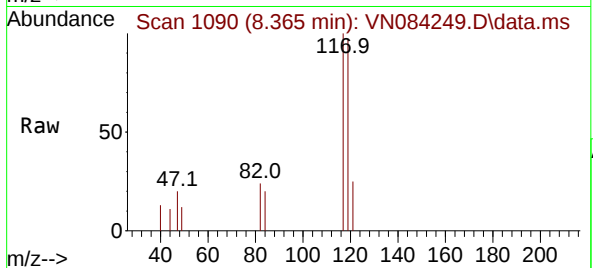
Tgt Ion:117 Resp: 3985

Ion Ratio Lower Upper

117 100

119 96.6 78.7 118.1

121 25.0 24.4 36.6



#39

Methylcyclohexane

Concen: 3.327 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.253 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

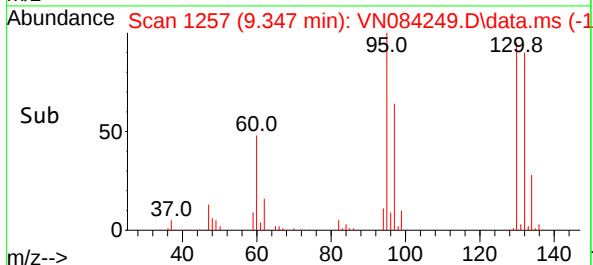
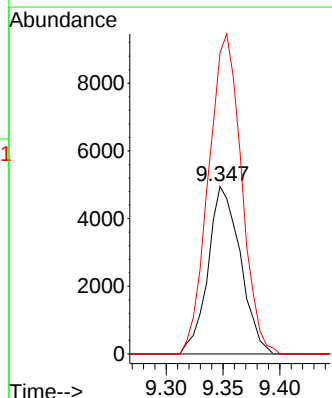
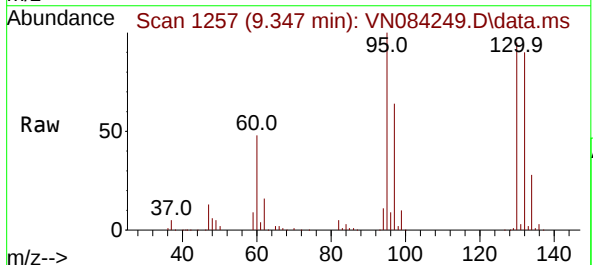
Tgt Ion: 83 Resp: 9794

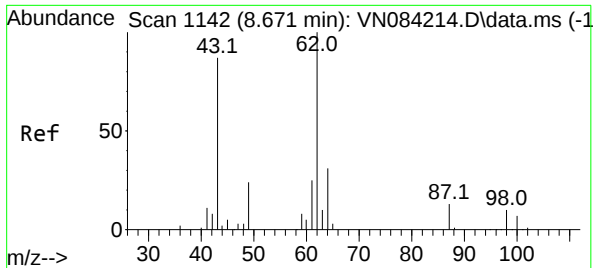
Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 179.9 38.8 58.2#





#42

1,2-Dichloroethane

Concen: 0.251 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

Instrument :

MSVOA_N

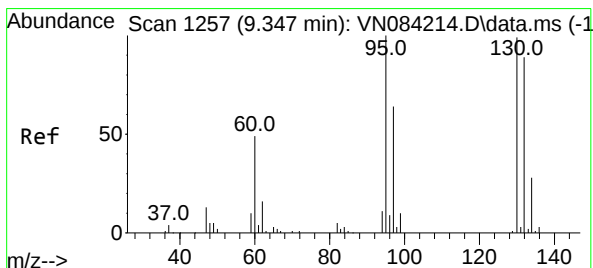
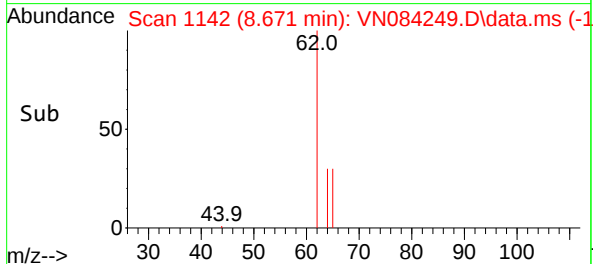
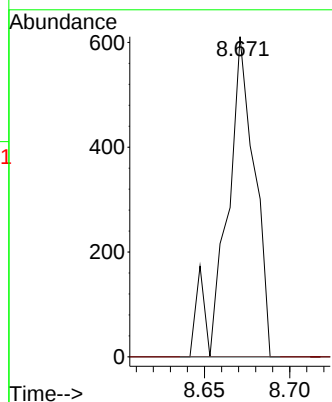
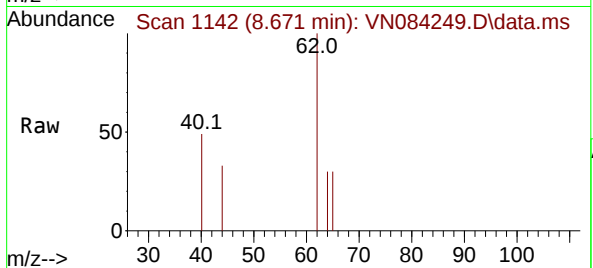
ClientSampleId :

Tgt Ion: 62 Resp: 702

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#44

Trichloroethene

Concen: 378.165 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084249.D

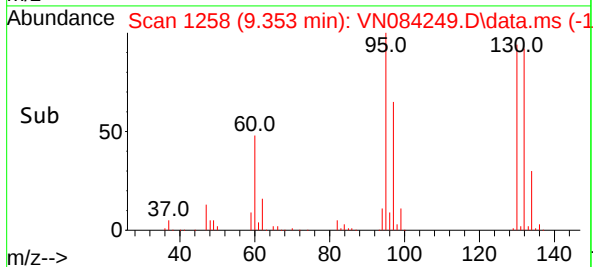
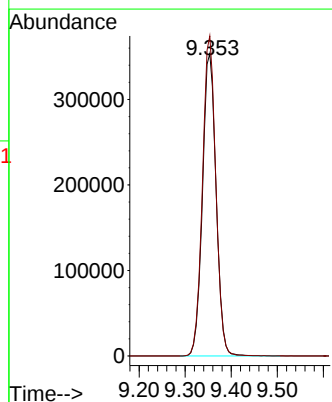
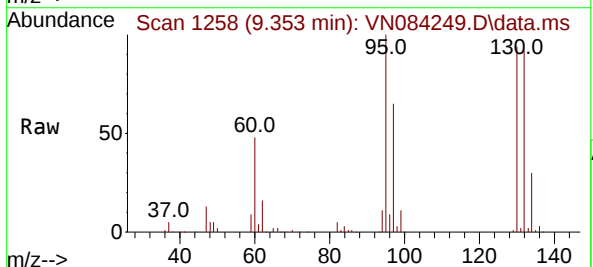
Acq: 01 Oct 2024 19:06

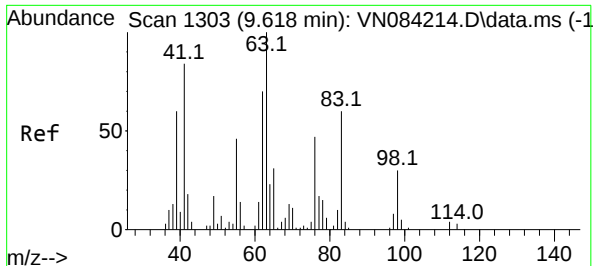
Tgt Ion:130 Resp: 727955

Ion Ratio Lower Upper

130 100

95 105.8 0.0 203.0





#45

1,2-Dichloropropane

Concen: 1.283 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

Instrument :

MSVOA_N

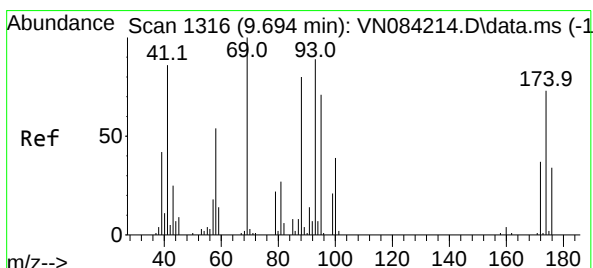
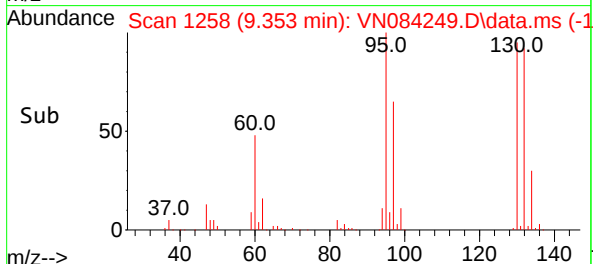
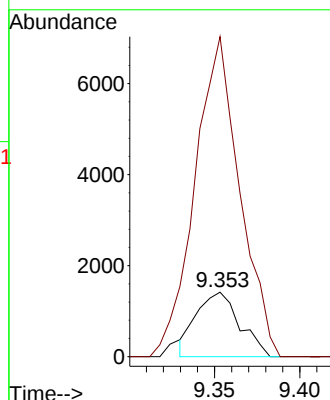
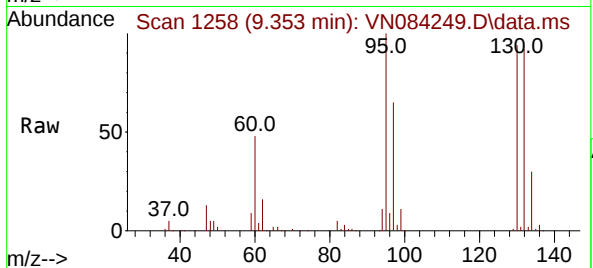
ClientSampleId :

Tgt Ion: 63 Resp: 2502

Ion Ratio Lower Upper

63 100

65 496.2 24.6 37.0#



#49

1,4-Dioxane

Concen: 17.866 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. -0.012 min

Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

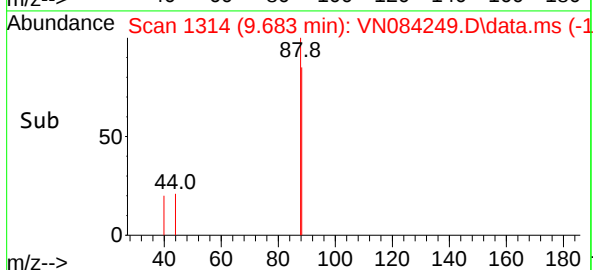
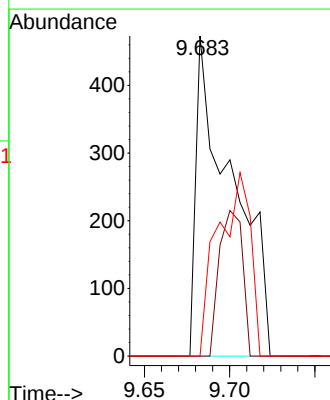
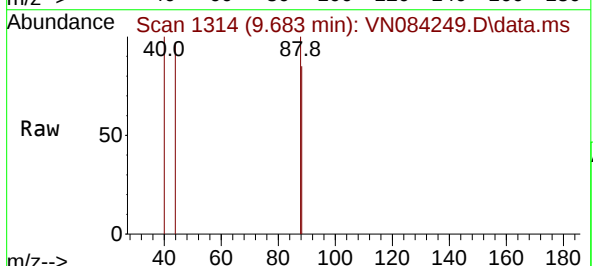
Tgt Ion: 88 Resp: 696

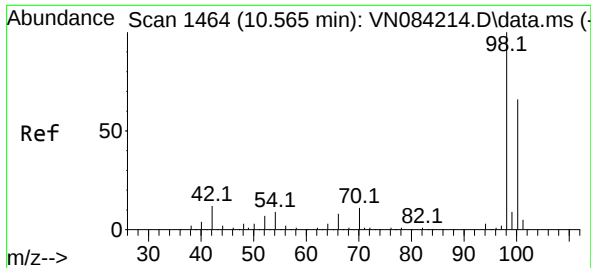
Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 56.4 84.6#

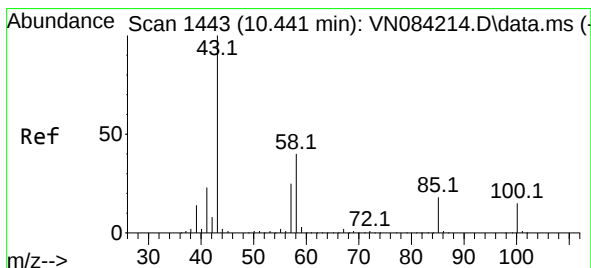
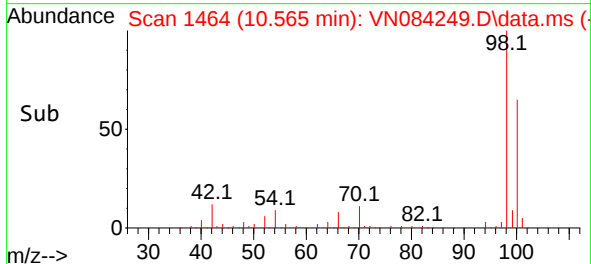
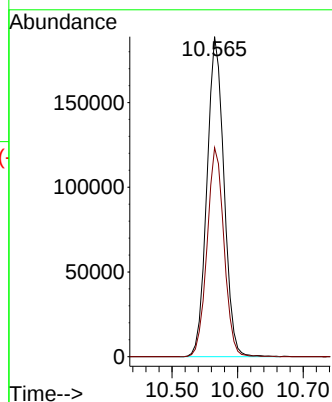
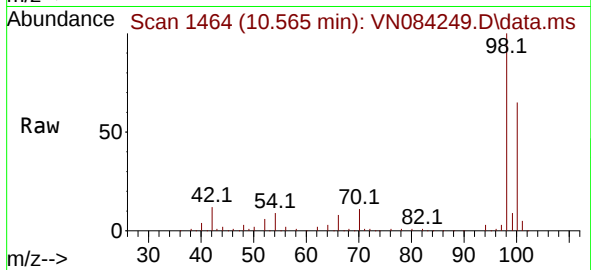




#50
Toluene-d8
Concen: 50.860 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

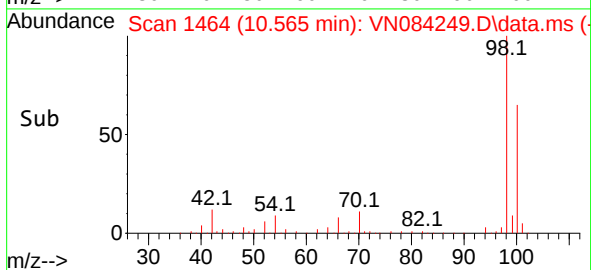
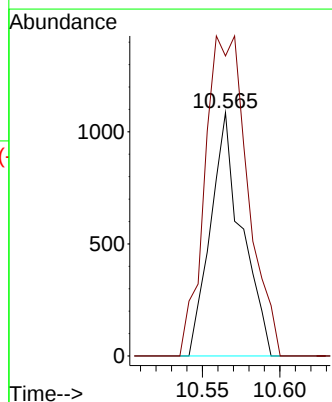
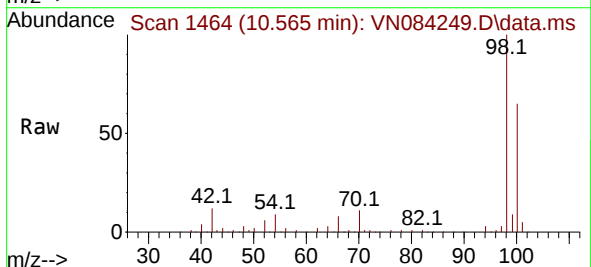
Instrument :
MSVOA_N
ClientSampleId :

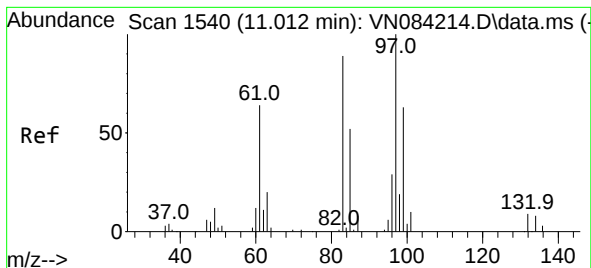
Tgt Ion: 98 Resp: 340777
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.589 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 180.7 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 1.249 ug/l

RT: 11.012 min Scan# 1

Delta R.T. 0.000 min

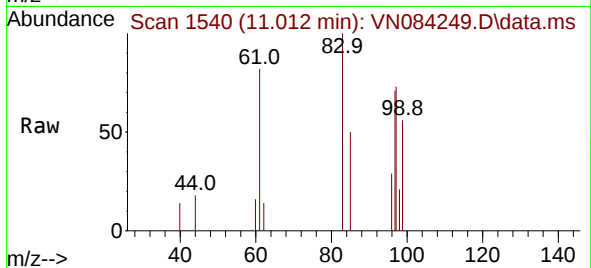
Lab File: VN084249.D

Acq: 01 Oct 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 2251

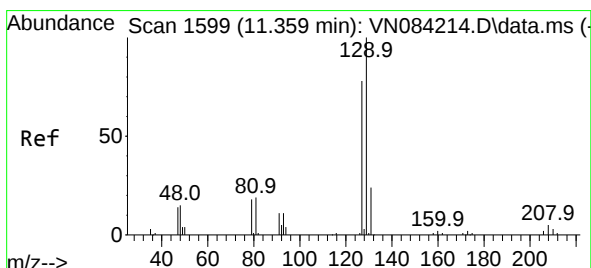
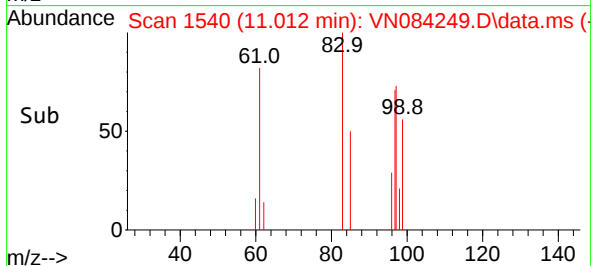
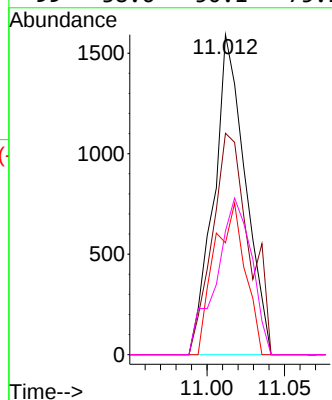
Ion Ratio Lower Upper

97 100

83 69.2 71.0 106.4#

85 34.9 41.7 62.5#

99 38.6 50.1 75.1#



#60

Dibromochloromethane

Concen: 0.286 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN084249.D

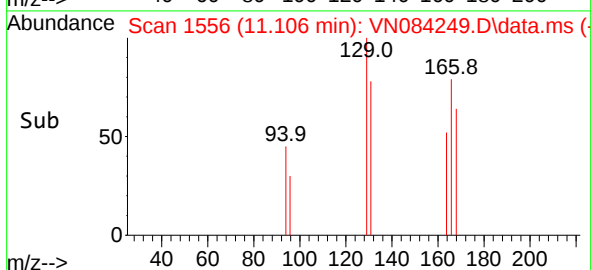
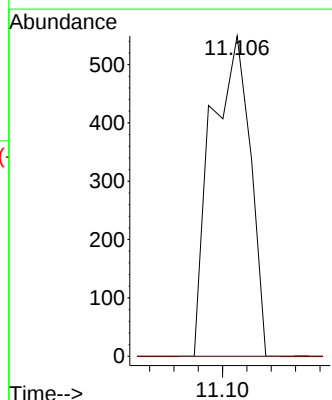
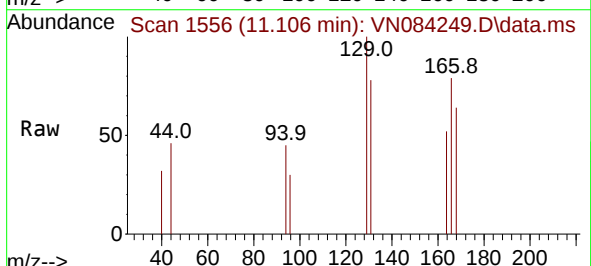
Acq: 01 Oct 2024 19:06

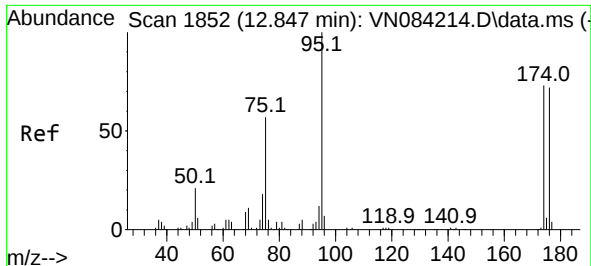
Tgt Ion:129 Resp: 609

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#

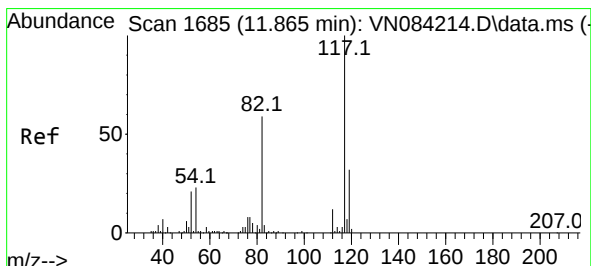
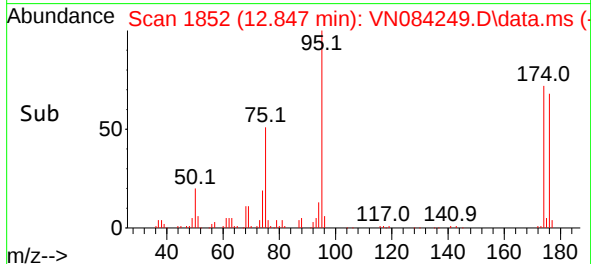
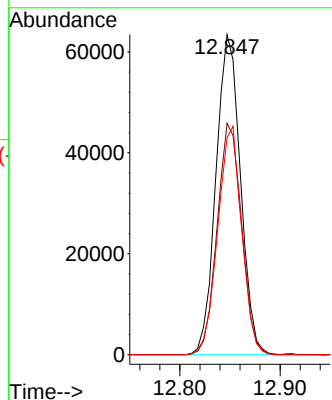
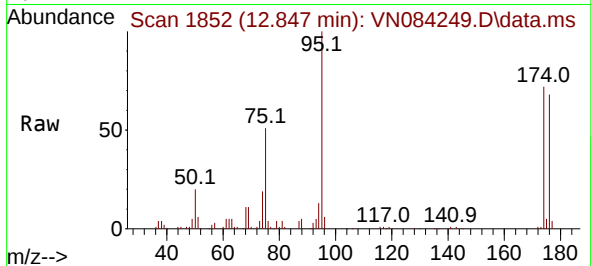




#62
4-Bromofluorobenzene
Concen: 43.965 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

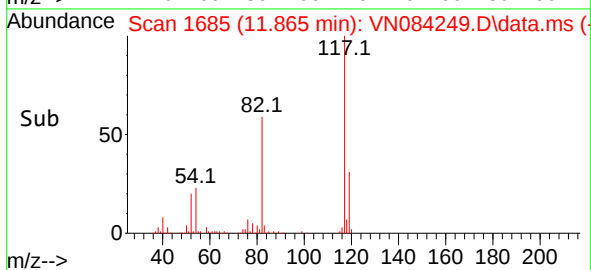
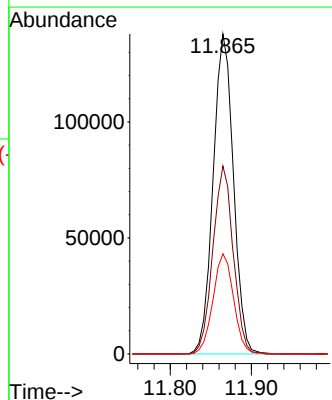
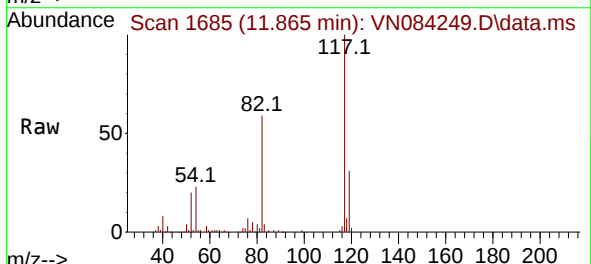
Instrument :
MSVOA_N
ClientSampleId :

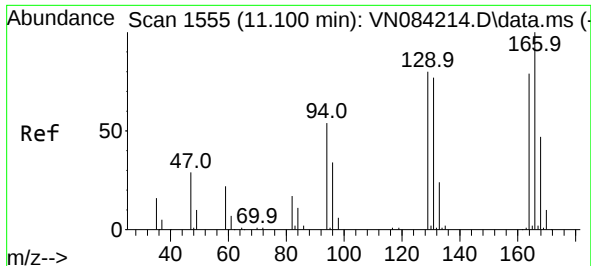
Tgt Ion: 95 Resp: 107316
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.2
176 69.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

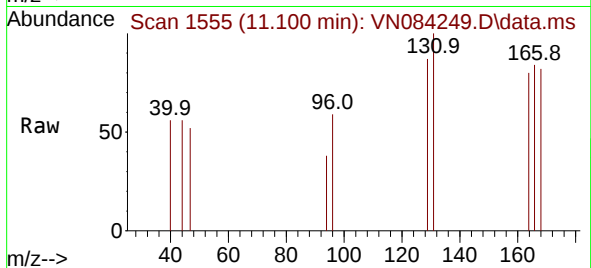
Tgt Ion: 117 Resp: 239877
Ion Ratio Lower Upper
117 100
82 58.7 47.2 70.8
119 31.3 25.4 38.0



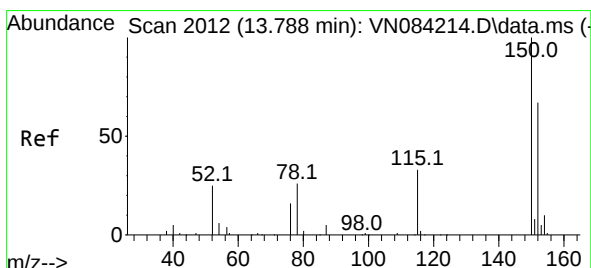
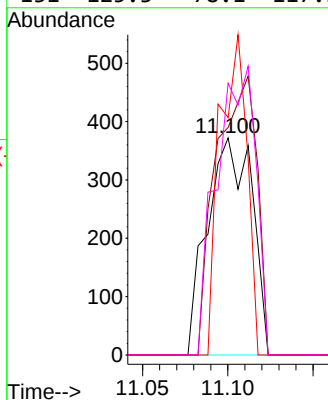
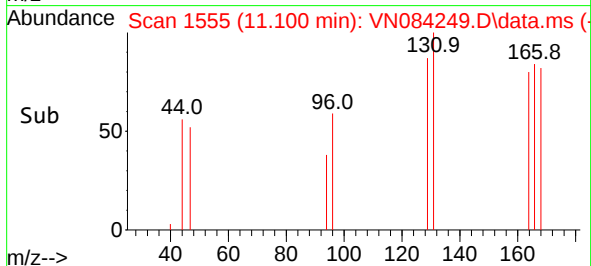


#64
Tetrachloroethene
Concen: 0.406 ug/l
RT: 11.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

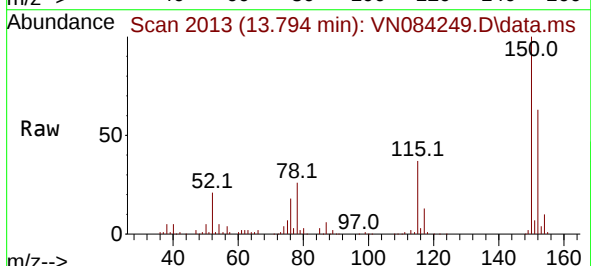
Instrument :
MSVOA_N
ClientSampleId :



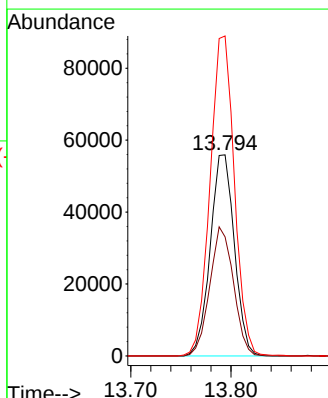
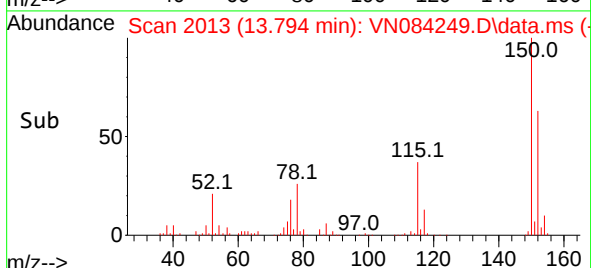
Tgt Ion:164 Resp: 679
Ion Ratio Lower Upper
164 100
166 104.8 101.0 151.4
129 109.4 80.8 121.2
131 125.3 78.1 117.1#

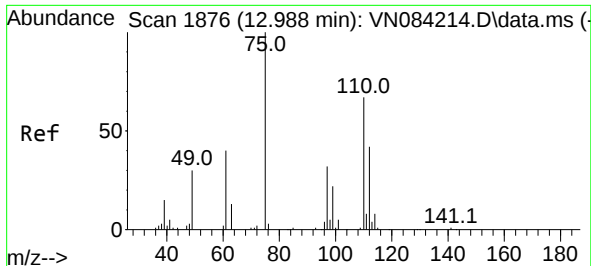


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06



Tgt Ion:152 Resp: 93531
Ion Ratio Lower Upper
152 100
115 62.9 31.3 93.9
150 160.3 0.0 349.8

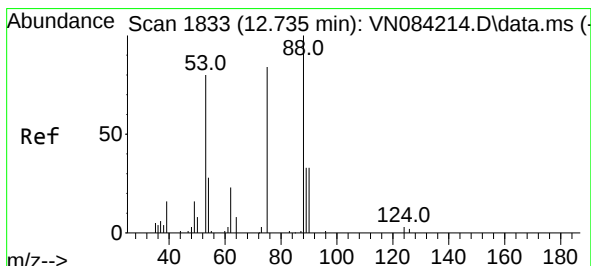
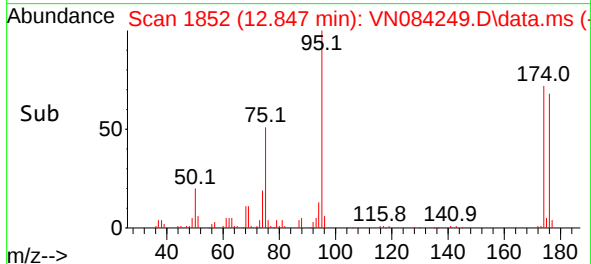
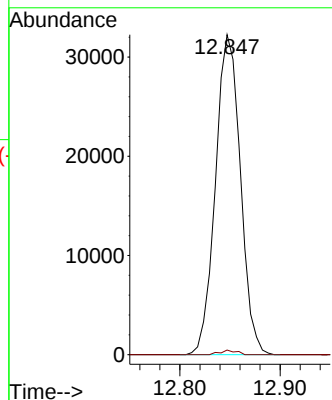
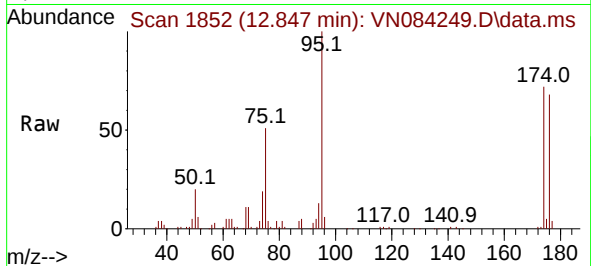




#76
1,2,3-Trichloropropane
Concen: 29.169 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 55698
Ion Ratio Lower Upper
75 100
77 0.9 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.932 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084249.D
Acq: 01 Oct 2024 19:06

Tgt Ion: 75 Resp: 55698
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

