

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100224\
 Data File : VN084279.D
 Acq On : 02 Oct 2024 20:57
 Operator : JC\MD
 Sample : P4226-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20240924

Quant Time: Oct 03 02:05:44 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)

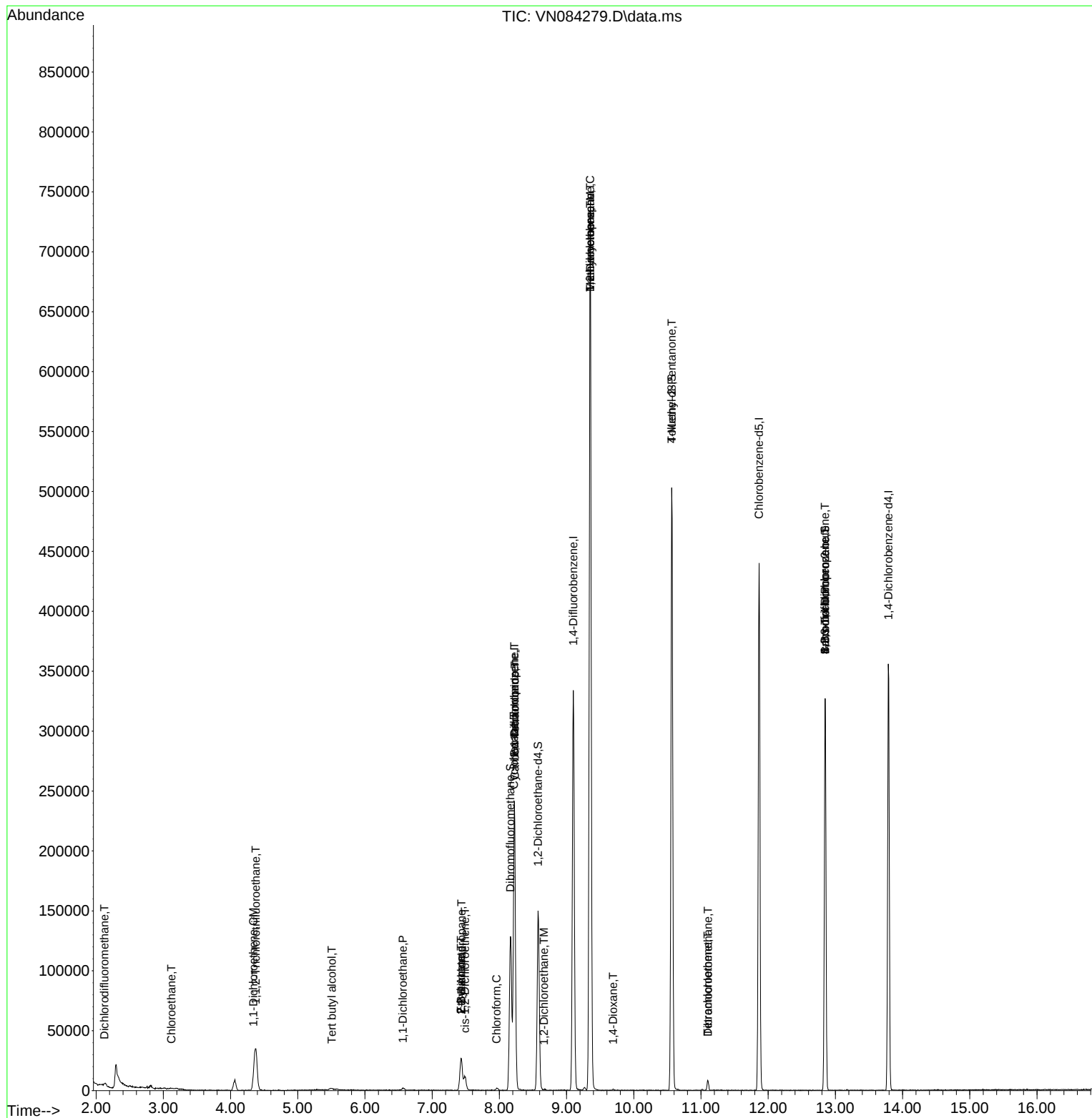
Internal Standards						
1) Pentafluorobenzene	8.224	168	164342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120990	49.654	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.300%
35) Dibromofluoromethane	8.165	113	94867	51.021	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.040%
50) Toluene-d8	10.565	98	343232	50.174	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.847	95	115167	46.211	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	2093	1.077	ug/l	95
6) Chloroethane	3.118	64	339	0.220	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.377	101	24072	12.548	ug/l	98
11) Tert butyl alcohol	5.506	59	1254	3.121	ug/l #	73
12) 1,1-Dichloroethene	4.341	96	3521	1.903	ug/l	86
24) 1,1-Dichloroethane	6.565	63	3305	0.889	ug/l #	83
25) 2-Butanone	7.430	43	1111	0.779	ug/l #	48
26) 2,2-Dichloropropane	7.435	77	1584	0.473	ug/l #	54
27) cis-1,2-Dichloroethene	7.488	96	7037	3.004	ug/l	89
30) Chloroform	7.959	83	1831	0.474	ug/l	89
31) Cyclohexane	8.218	56	4208	1.166	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	14484	5.363	ug/l #	51
37) Ethyl Acetate	7.430	43	1111	0.401	ug/l #	1
38) Carbon Tetrachloride	8.229	117	19208	6.483	ug/l #	15
39) Methylcyclohexane	9.353	83	3501	1.165	ug/l #	1
42) 1,2-Dichloroethane	8.665	62	831	0.291	ug/l #	75
44) Trichloroethene	9.353	130	256811	130.669	ug/l	98
45) 1,2-Dichloropropane	9.353	63	906	0.455	ug/l #	1
49) 1,4-Dioxane	9.694	88	809	20.340	ug/l #	68
51) 4-Methyl-2-Pentanone	10.565	43	1393	0.528	ug/l #	1
60) Dibromochloromethane	11.106	129	1854	0.853	ug/l #	11
64) Tetrachloroethene	11.100	164	2007	1.168	ug/l	87
71) Bromoform	12.847	173	854	0.616	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	61334	30.954	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61334	74.210	ug/l #	11

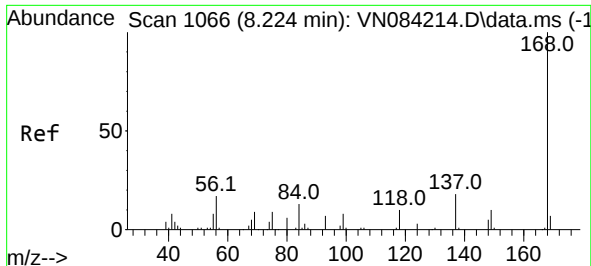
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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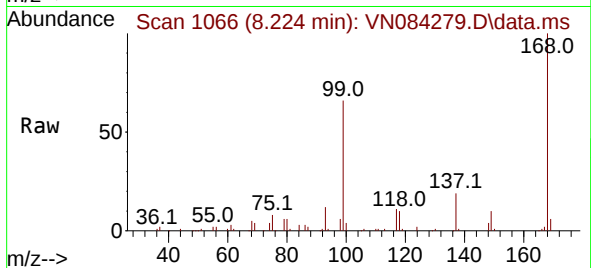
Quant Time: Oct 03 02:05:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



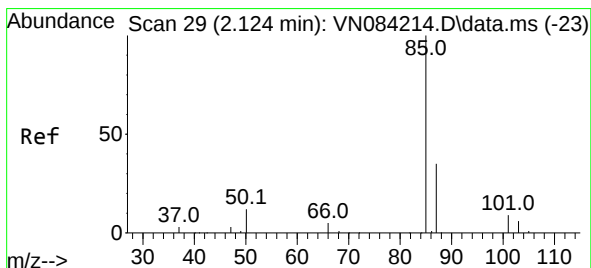
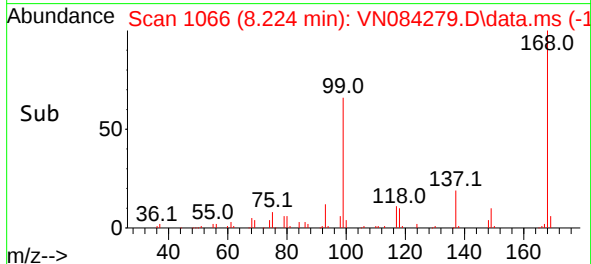
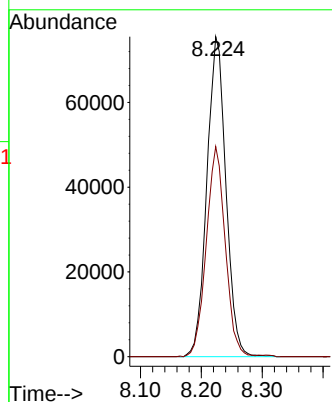


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Instrument :
MSVOA_N
ClientSampleId :
DUP07-20240924

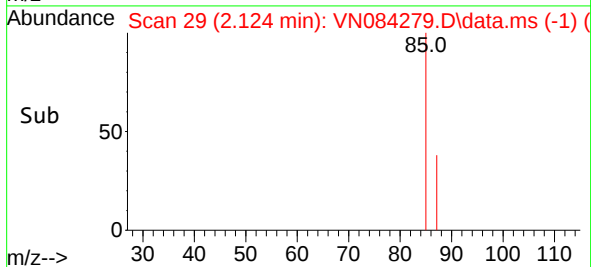
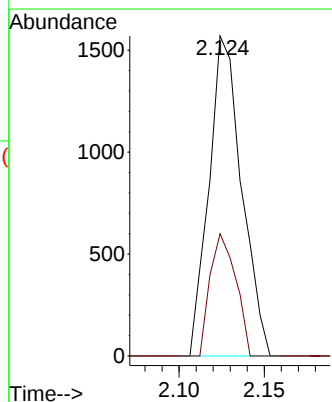
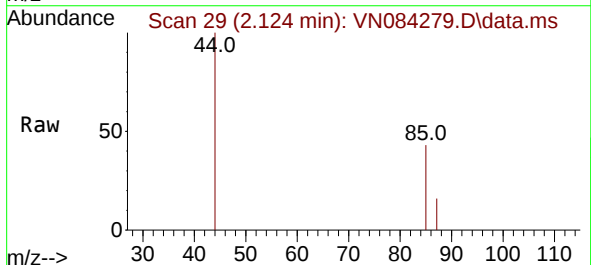


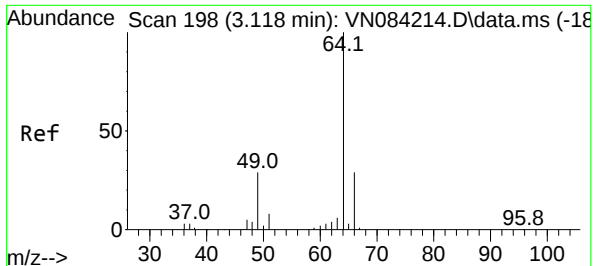
Tgt Ion:168 Resp: 164342
Ion Ratio Lower Upper
168 100
99 65.6 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 1.077 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Tgt Ion: 85 Resp: 2093
Ion Ratio Lower Upper
85 100
87 38.2 17.6 52.9

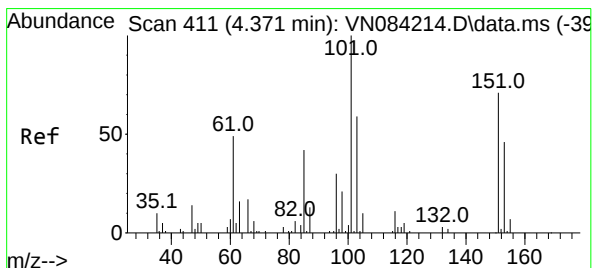
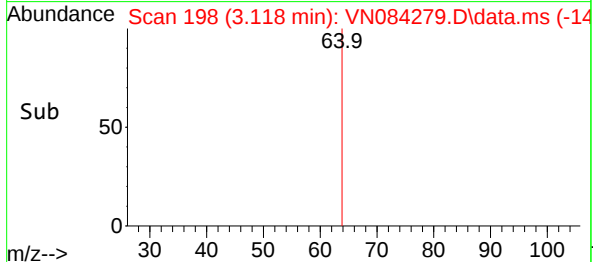
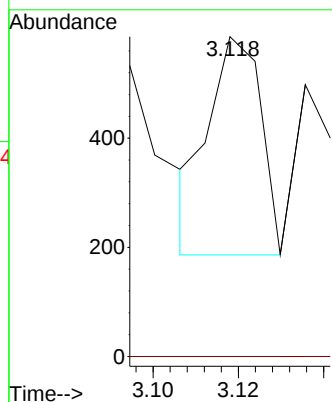
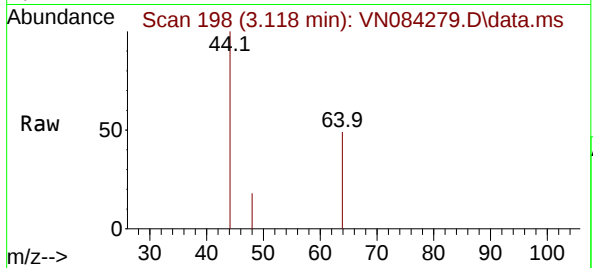




#6
Chloroethane
Concen: 0.220 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

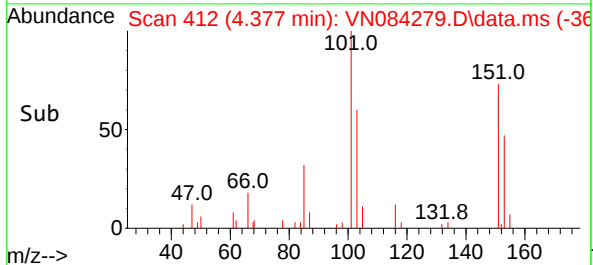
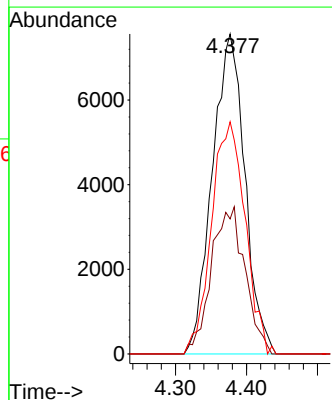
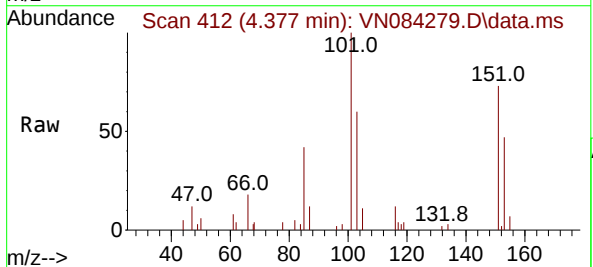
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20240924

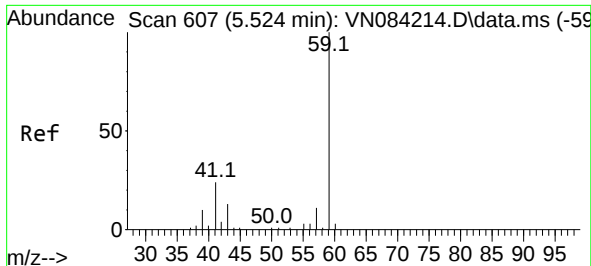
Tgt Ion: 64 Resp: 339
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.548 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Tgt Ion:101 Resp: 24072
Ion Ratio Lower Upper
101 100
85 47.6 36.2 54.4
151 75.0 59.3 88.9





#11

Tert butyl alcohol

Concen: 3.121 ug/l

RT: 5.506 min Scan# 607

Delta R.T. -0.018 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :

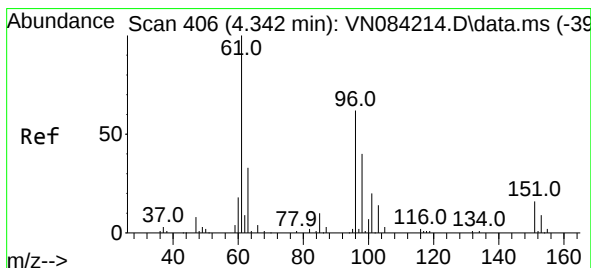
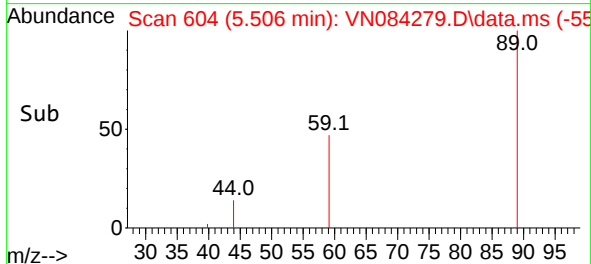
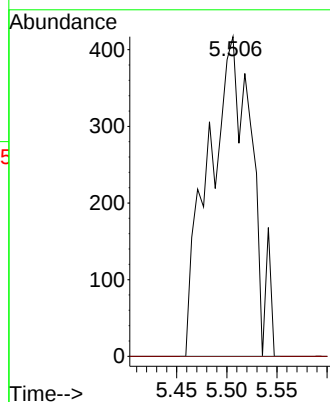
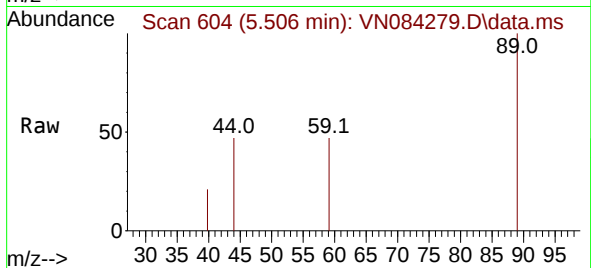
DUP07-20240924

Tgt Ion: 59 Resp: 1254

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#12

1,1-Dichloroethene

Concen: 1.903 ug/l

RT: 4.341 min Scan# 406

Delta R.T. -0.000 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

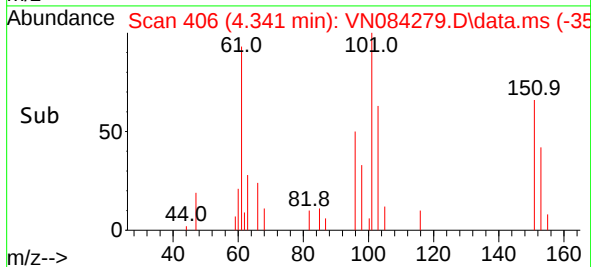
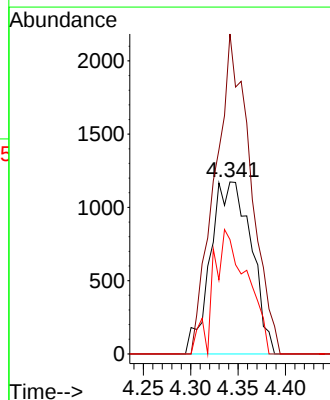
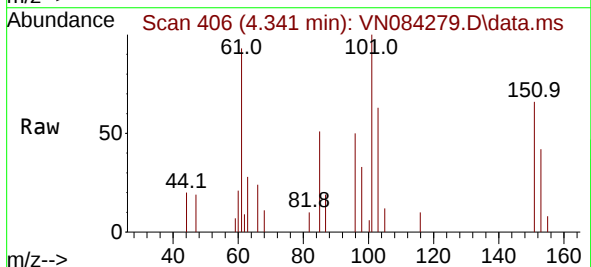
Tgt Ion: 96 Resp: 3521

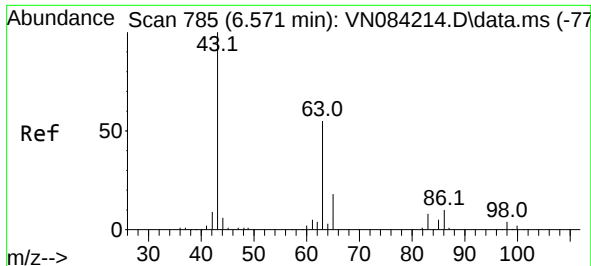
Ion Ratio Lower Upper

96 100

61 186.0 128.6 192.8

98 66.5 51.7 77.5

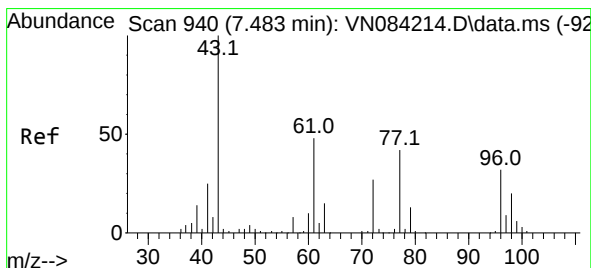
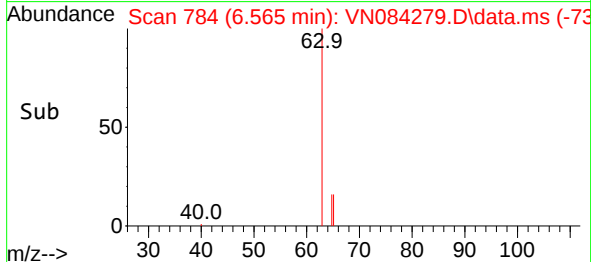
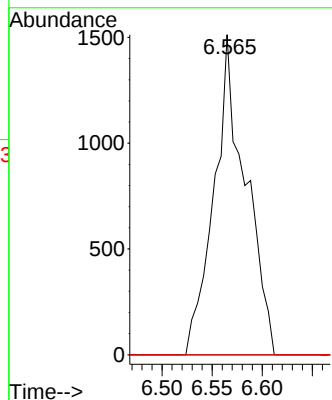
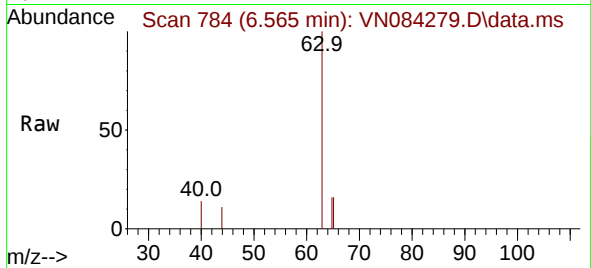




#24
1,1-Dichloroethane
Concen: 0.889 ug/l
RT: 6.565 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

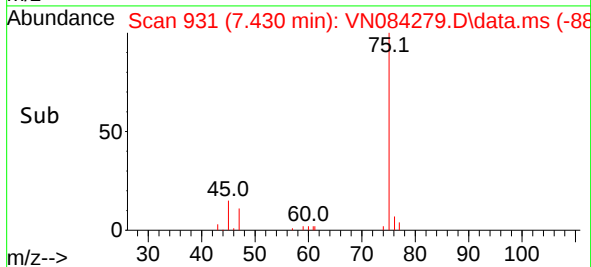
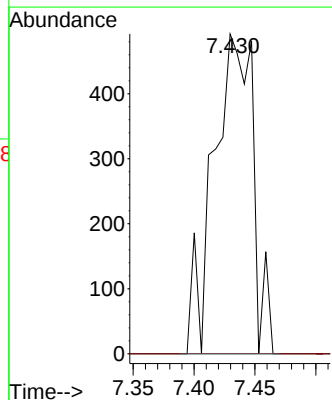
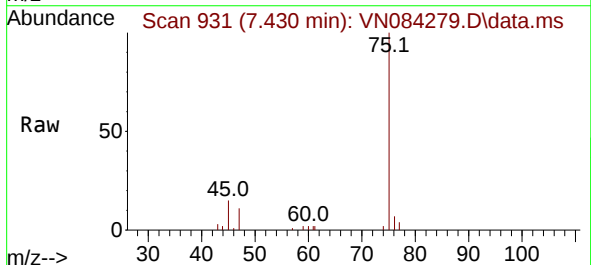
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20240924

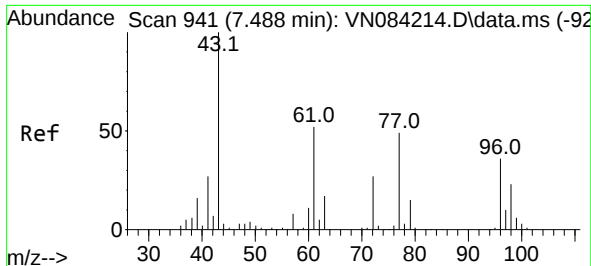
Tgt Ion: 63 Resp: 3305
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#



#25
2-Butanone
Concen: 0.779 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.053 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Tgt Ion: 43 Resp: 1111
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#





#26

2,2-Dichloropropane

Concen: 0.473 ug/l

RT: 7.435 min Scan# 91

Delta R.T. -0.053 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :

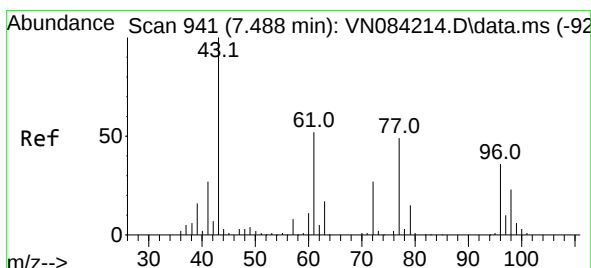
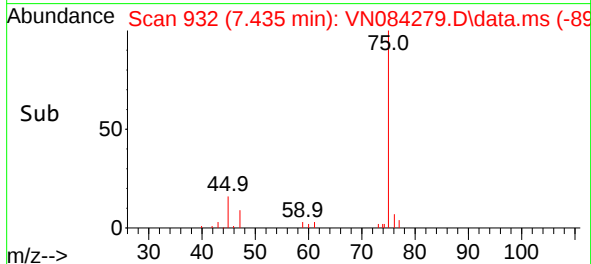
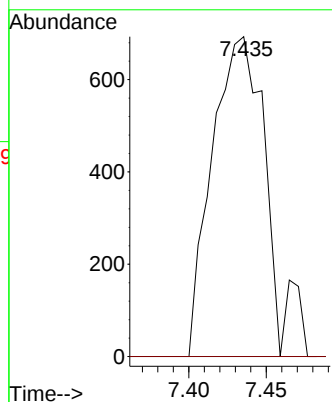
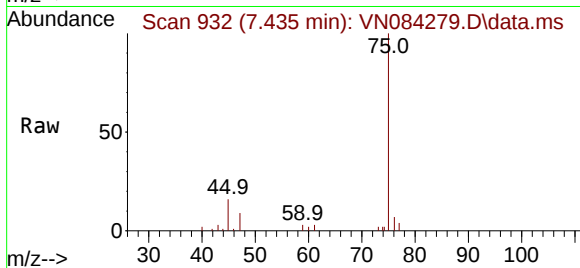
DUP07-20240924

Tgt Ion: 77 Resp: 1584

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#27

cis-1,2-Dichloroethene

Concen: 3.004 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

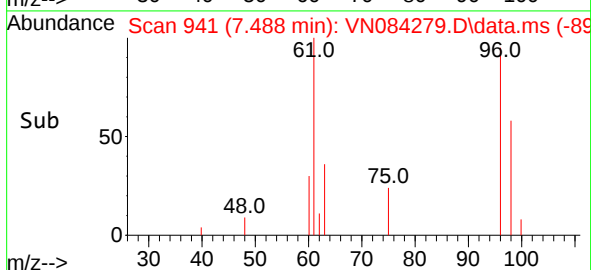
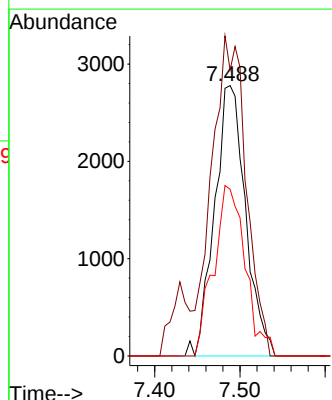
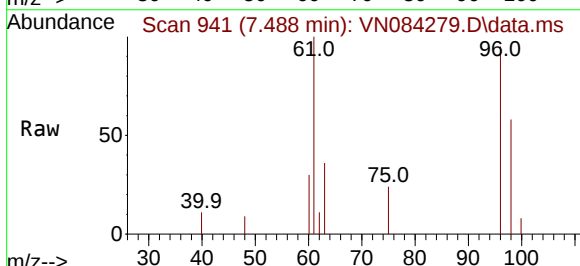
Tgt Ion: 96 Resp: 7037

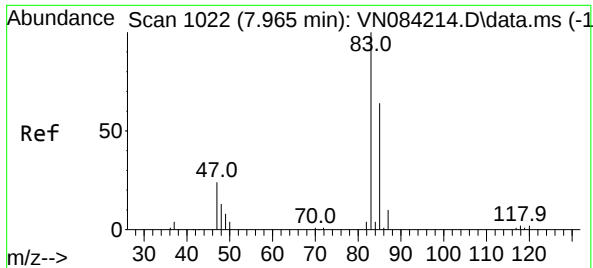
Ion Ratio Lower Upper

96 100

61 131.7 0.0 301.8

98 64.4 0.0 128.2





#30

Chloroform

Concen: 0.474 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :

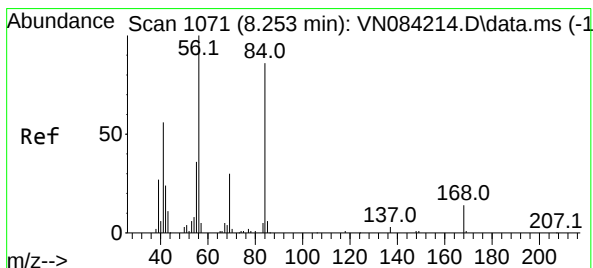
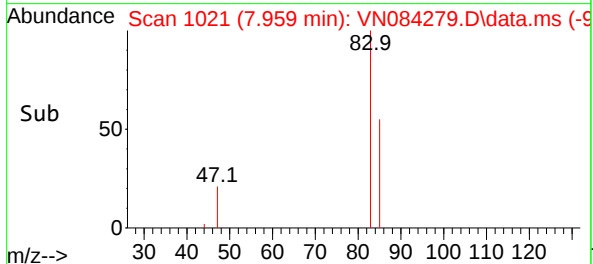
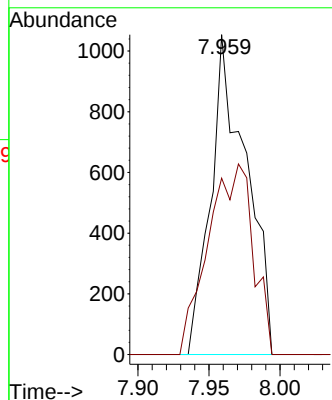
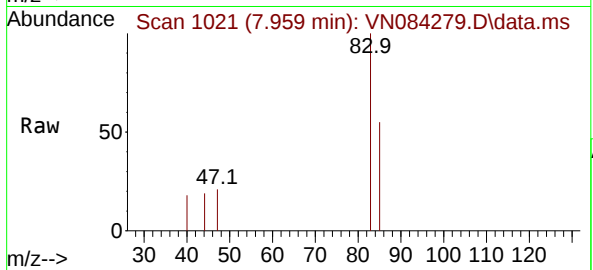
DUP07-20240924

Tgt Ion: 83 Resp: 1831

Ion Ratio Lower Upper

83 100

85 55.1 51.0 76.4



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

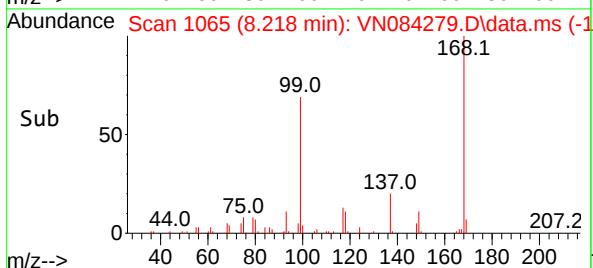
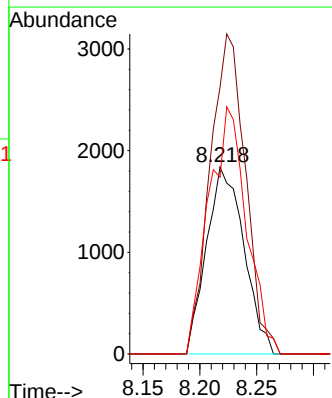
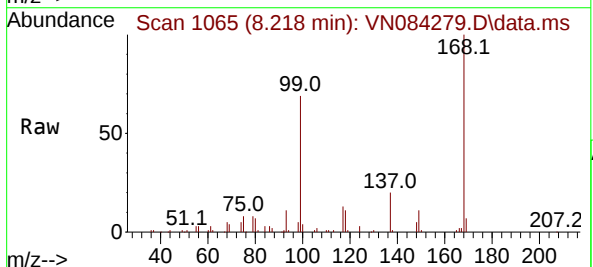
Tgt Ion: 56 Resp: 4208

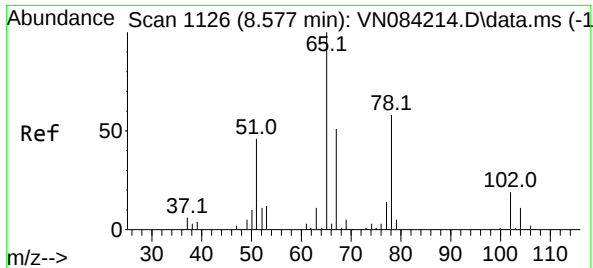
Ion Ratio Lower Upper

56 100

69 142.8 23.8 35.6#

84 94.7 68.8 103.2

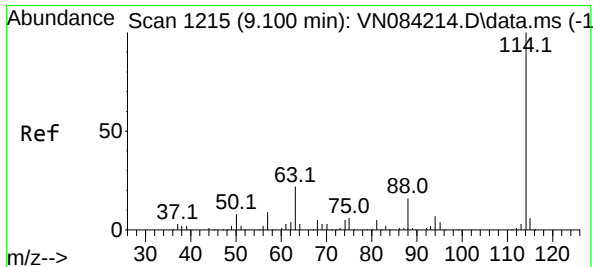
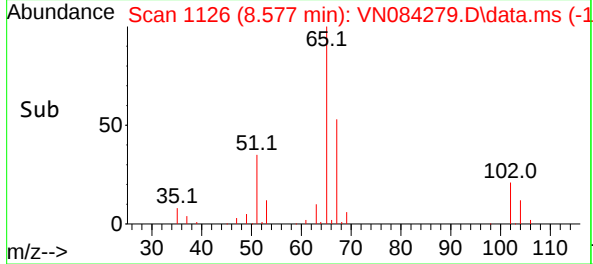
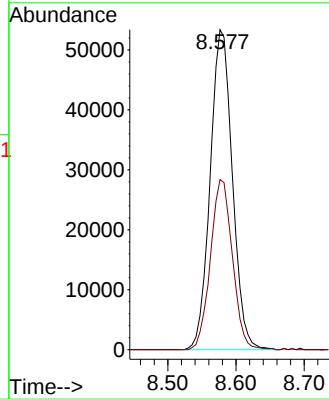
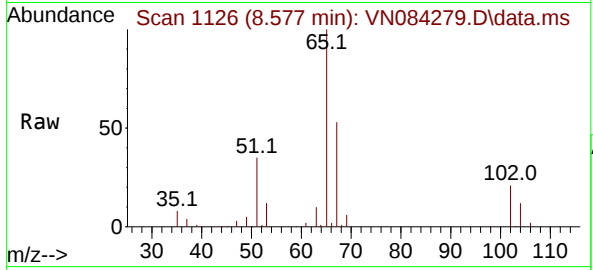




#33
 1,2-Dichloroethane-d4
 Concen: 49.654 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084279.D
 Acq: 02 Oct 2024 20:57

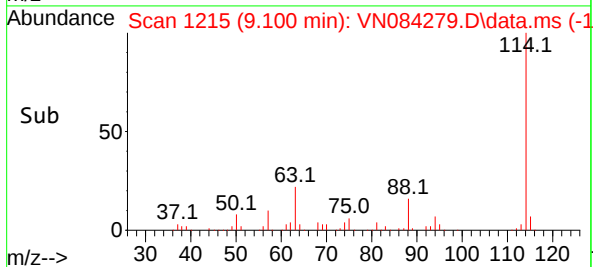
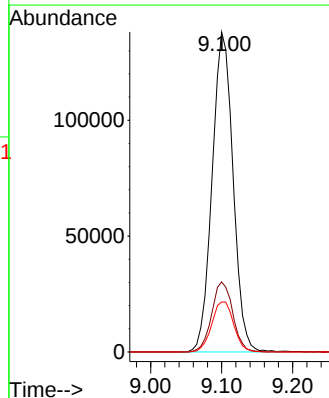
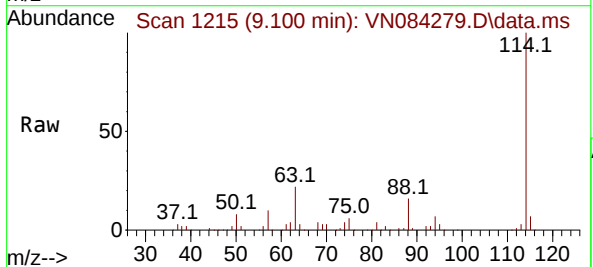
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20240924

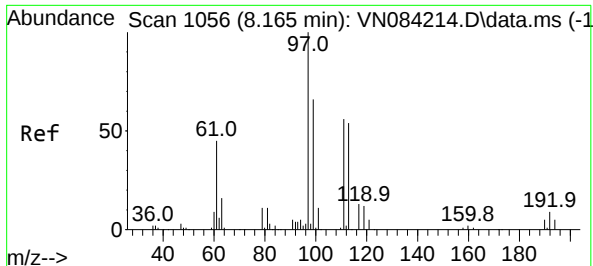
Tgt Ion: 65 Resp: 120990
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084279.D
 Acq: 02 Oct 2024 20:57

Tgt Ion: 114 Resp: 282039
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.021 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20240924

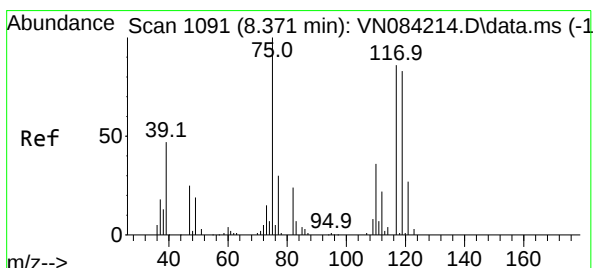
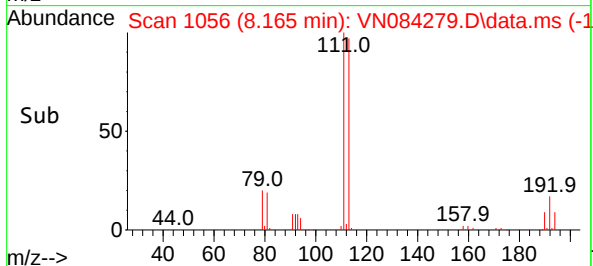
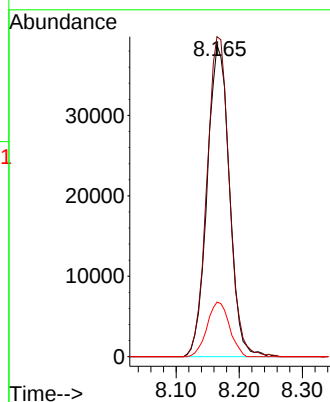
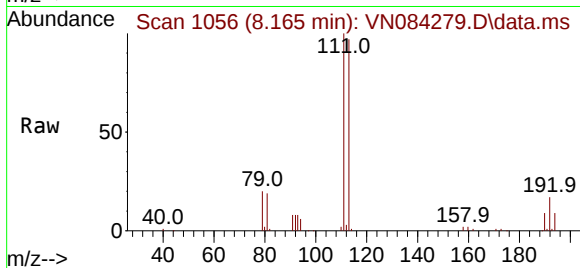
Tgt Ion:113 Resp: 94867

Ion Ratio Lower Upper

113 100

111 103.4 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.363 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

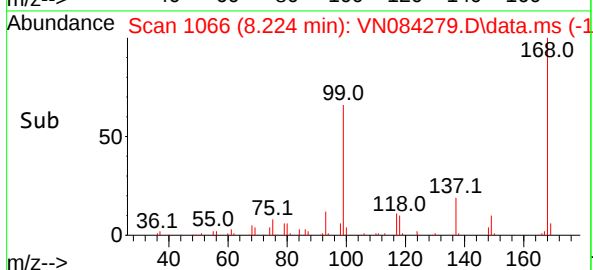
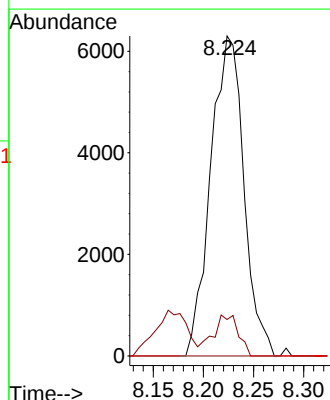
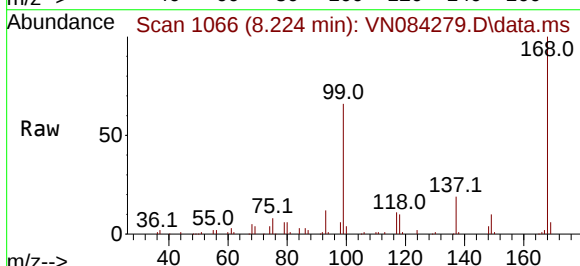
Tgt Ion: 75 Resp: 14484

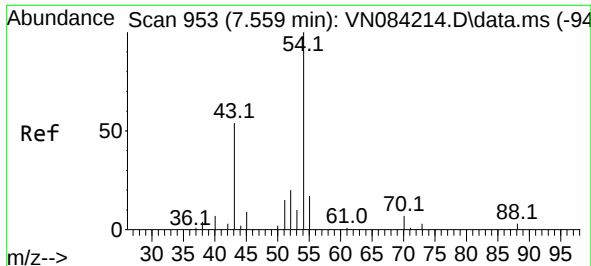
Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.401 ug/l

RT: 7.430 min Scan# 91

Delta R.T. -0.130 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20240924

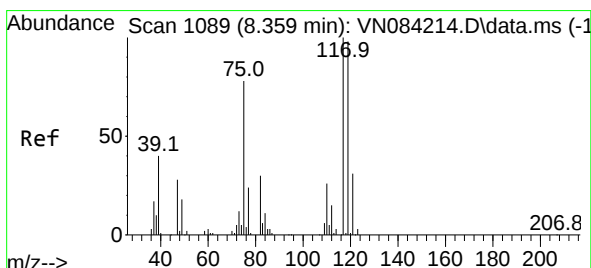
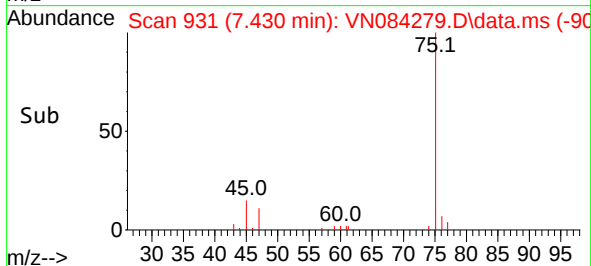
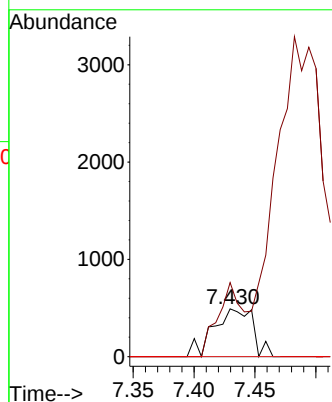
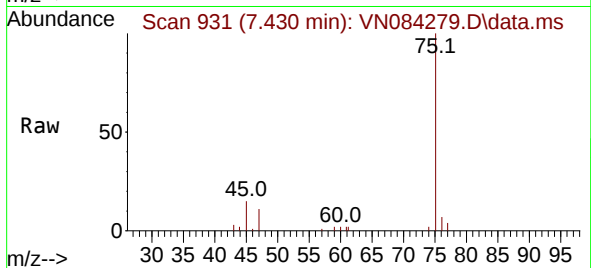
Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

43 100

61 93.3 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.483 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

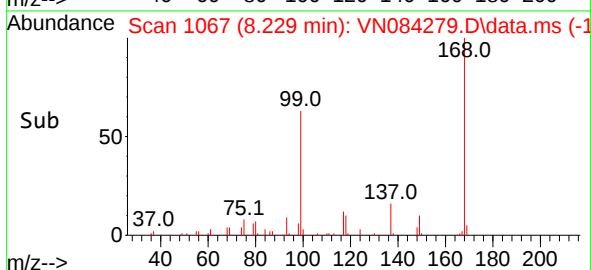
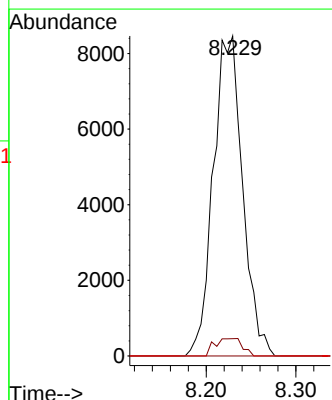
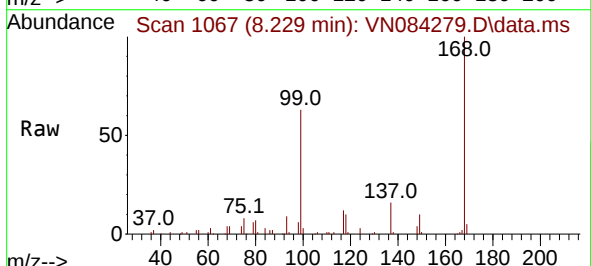
Tgt Ion: 117 Resp: 19208

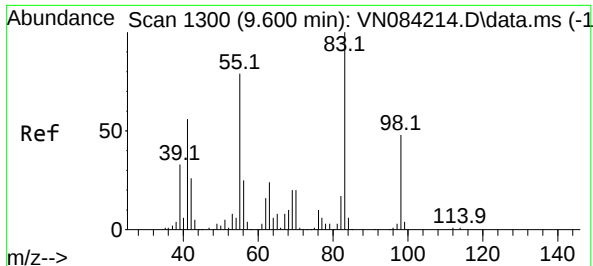
Ion Ratio Lower Upper

117 100

119 5.4 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.165 ug/l

RT: 9.353 min Scan# 1125

Delta R.T. -0.247 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20240924

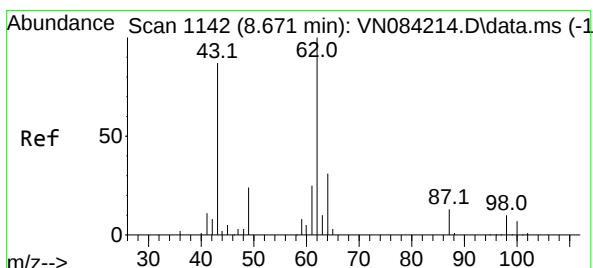
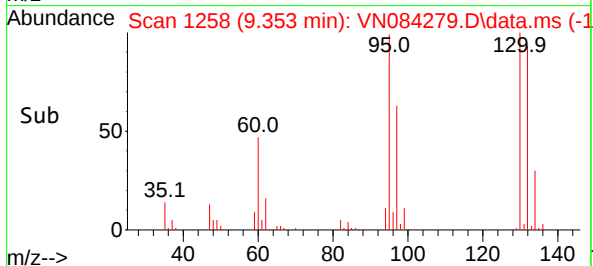
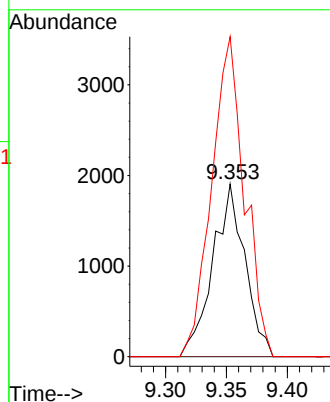
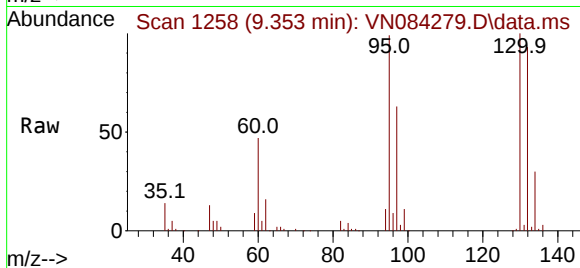
Tgt Ion: 83 Resp: 3501

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 185.4 38.8 58.2#



#42

1,2-Dichloroethane

Concen: 0.291 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

Lab File: VN084279.D

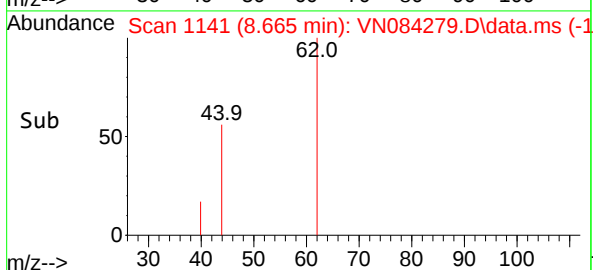
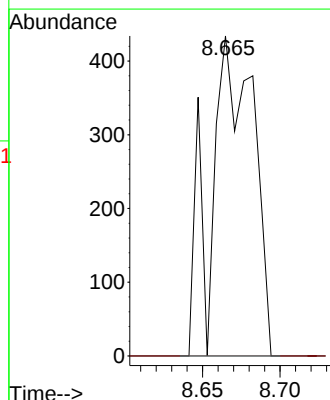
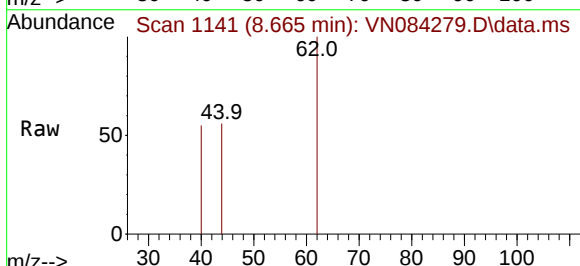
Acq: 02 Oct 2024 20:57

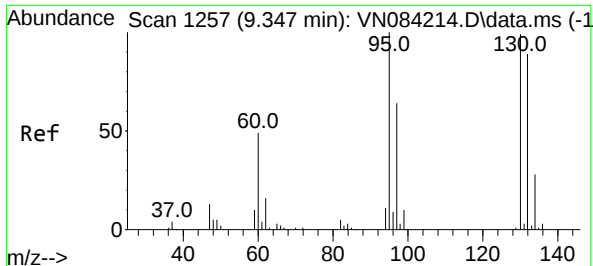
Tgt Ion: 62 Resp: 831

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

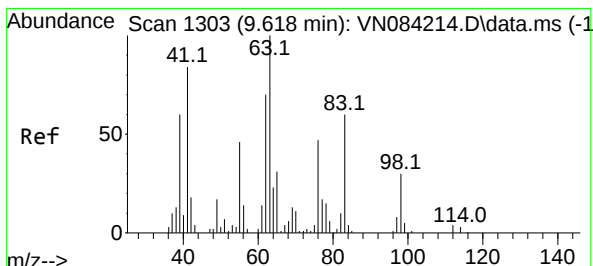
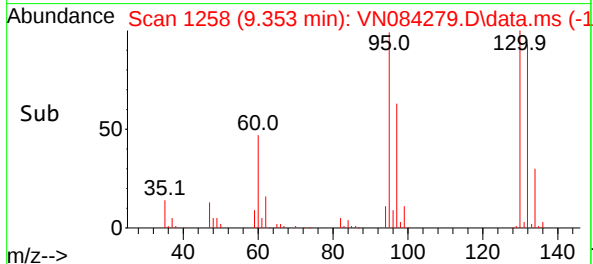
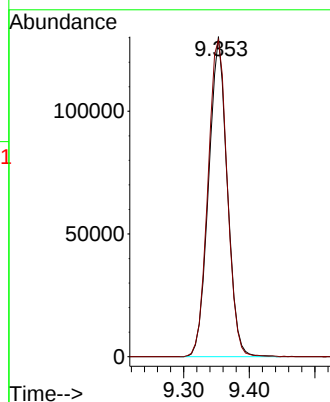
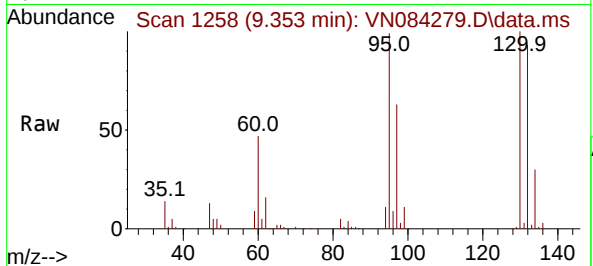




#44
Trichloroethene
Concen: 130.669 ug/l
RT: 9.353 min Scan# 1257
Delta R.T. 0.006 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

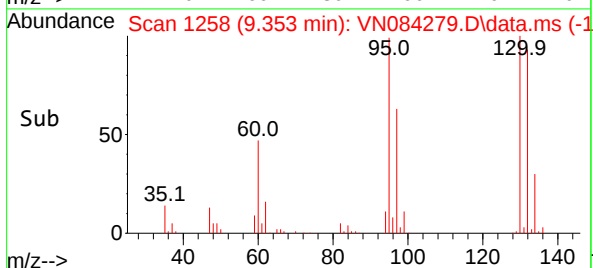
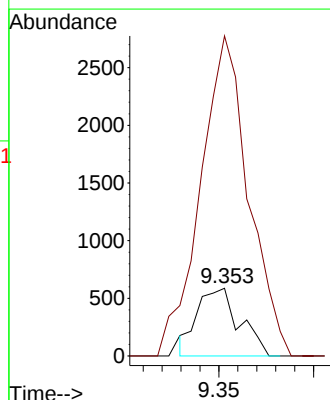
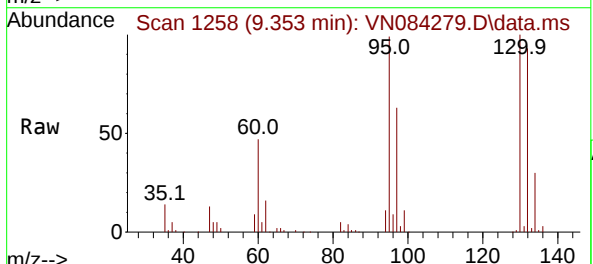
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20240924

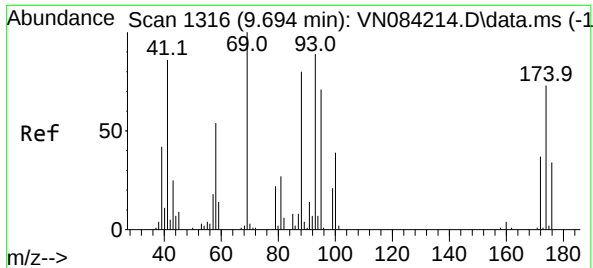
Tgt Ion:130 Resp: 256811
Ion Ratio Lower Upper
130 100
95 99.0 0.0 203.0



#45
1,2-Dichloropropane
Concen: 0.455 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.265 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

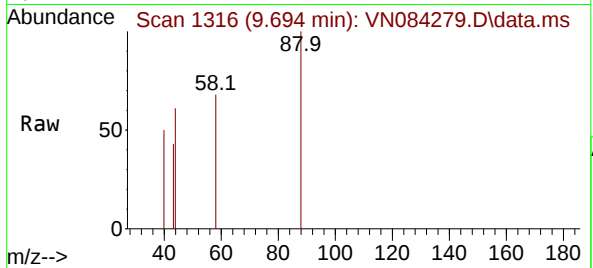
Tgt Ion: 63 Resp: 906
Ion Ratio Lower Upper
63 100
65 436.3 24.6 37.0#



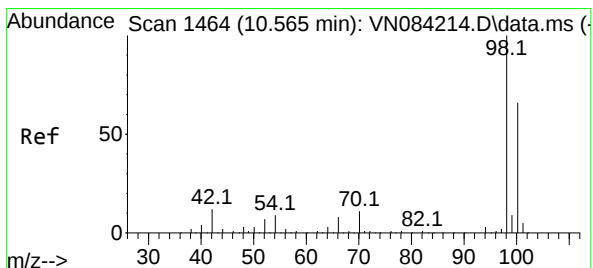
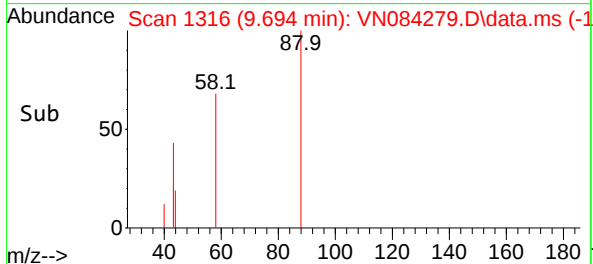
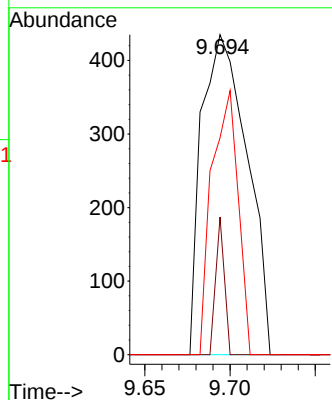


#49
1,4-Dioxane
Concen: 20.340 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Instrument :
MSVOA_N
ClientSampleId :
DUP07-20240924

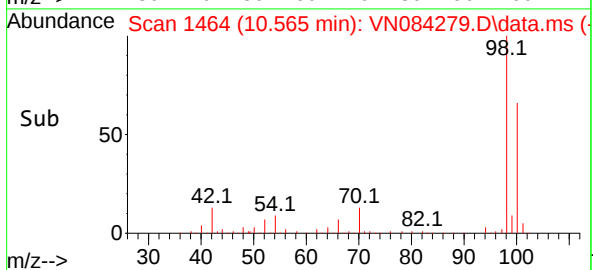
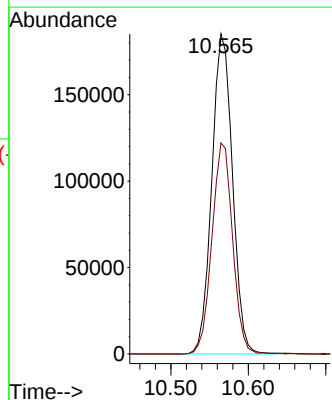
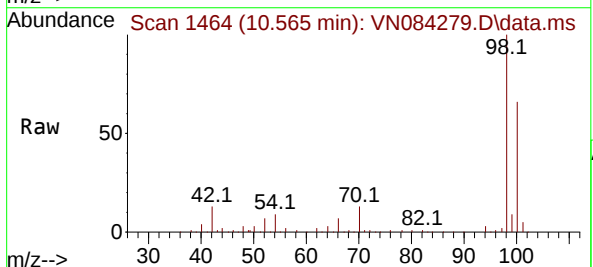


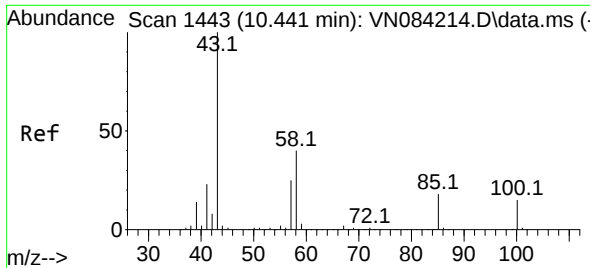
Tgt Ion: 88 Resp: 809
Ion Ratio Lower Upper
88 100
43 8.2 25.3 37.9#
58 47.5 56.4 84.6#



#50
Toluene-d8
Concen: 50.174 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Tgt Ion: 98 Resp: 343232
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1

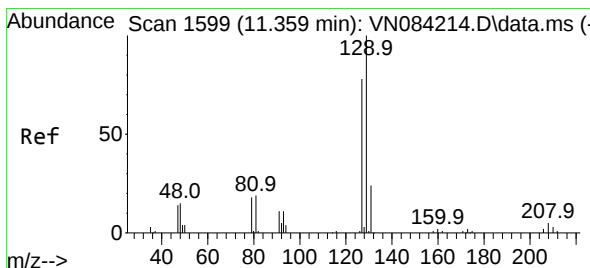
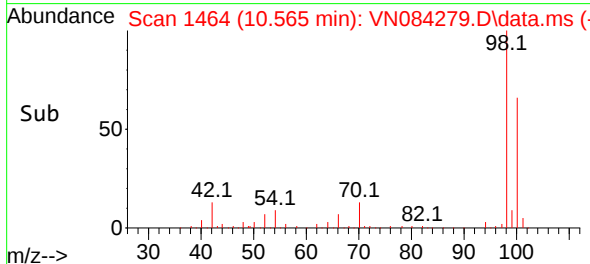
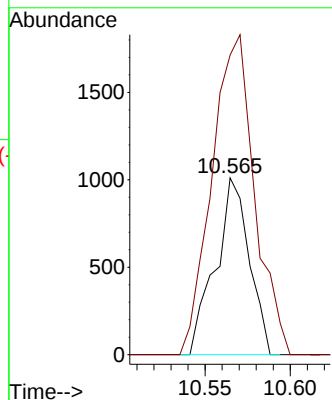
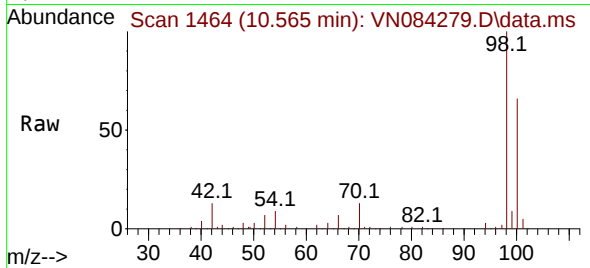




#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.123 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

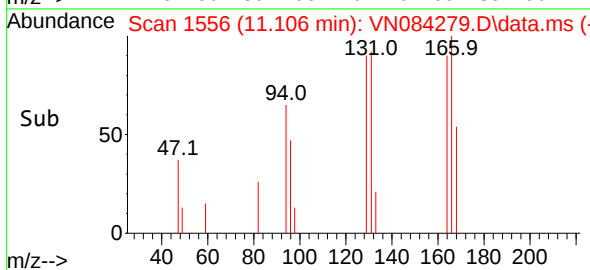
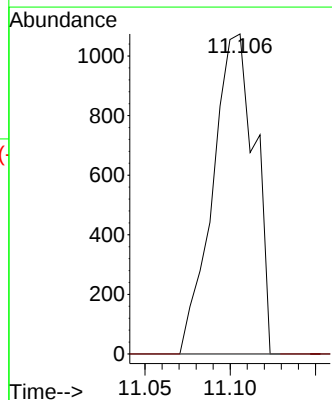
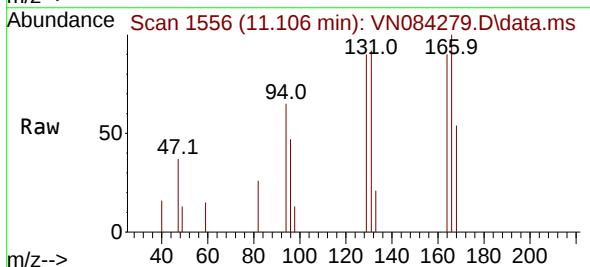
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20240924

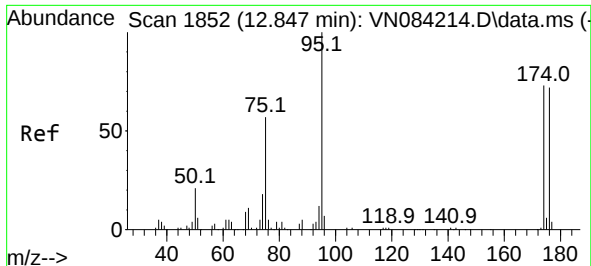
Tgt Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
58 228.9 31.6 47.4#



#60
Dibromochloromethane
Concen: 0.853 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Tgt Ion: 129 Resp: 1854
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

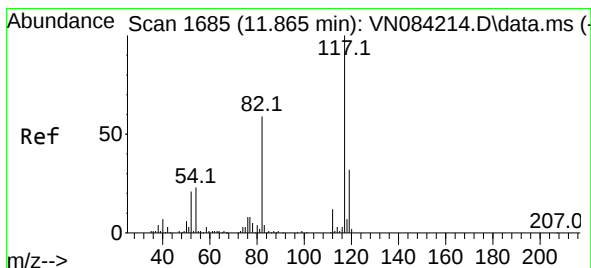
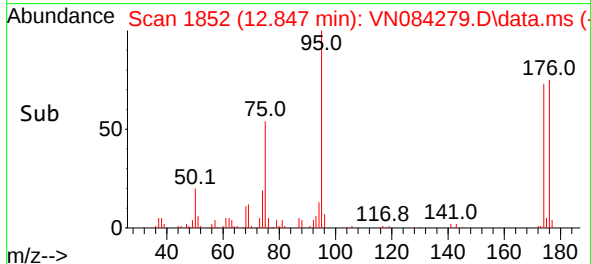
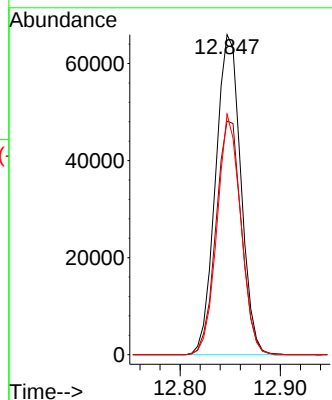
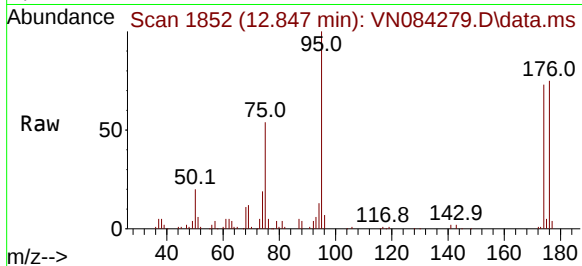




#62
4-Bromofluorobenzene
Concen: 46.211 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

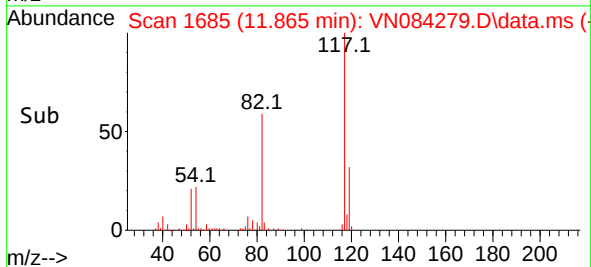
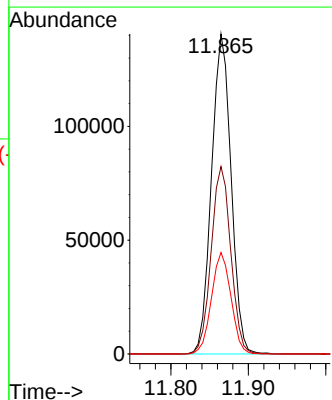
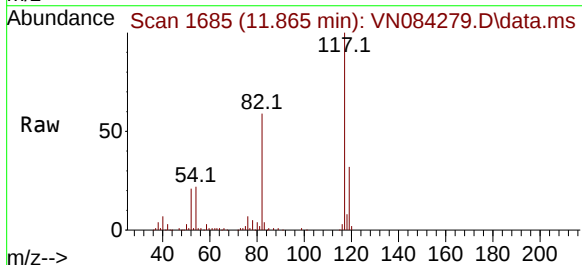
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20240924

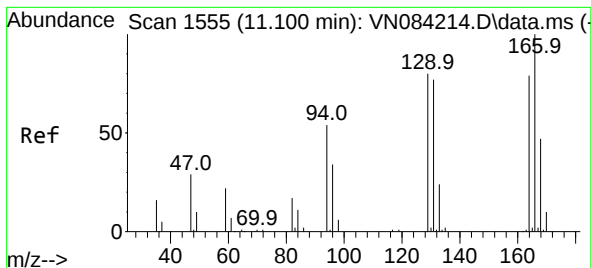
Tgt Ion: 95 Resp: 115167
Ion Ratio Lower Upper
95 100
174 73.6 0.0 145.2
176 70.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084279.D
Acq: 02 Oct 2024 20:57

Tgt Ion: 117 Resp: 246645
Ion Ratio Lower Upper
117 100
82 58.5 47.2 70.8
119 31.7 25.4 38.0





#64

Tetrachloroethene

Concen: 1.168 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084279.D

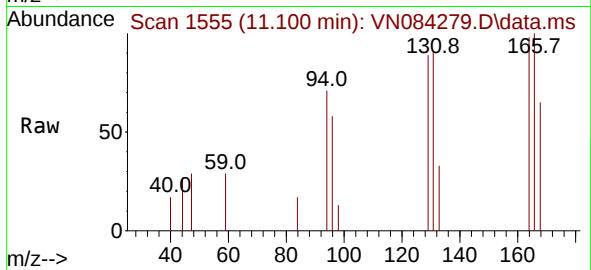
Acq: 02 Oct 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20240924



Tgt Ion:164 Resp: 2007

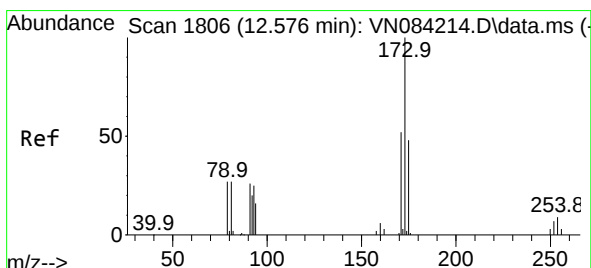
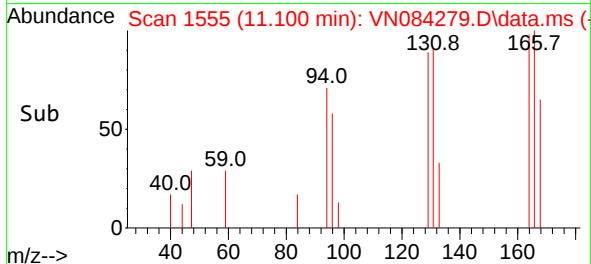
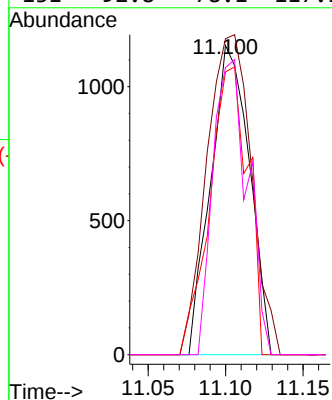
Ion Ratio Lower Upper

164 100

166 102.2 101.0 151.4

129 91.4 80.8 121.2

131 92.8 78.1 117.1



#71

Bromoform

Concen: 0.616 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.270 min

Lab File: VN084279.D

Acq: 02 Oct 2024 20:57

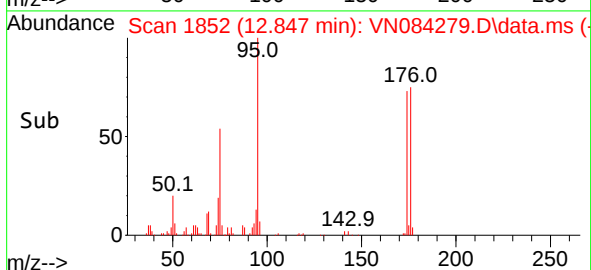
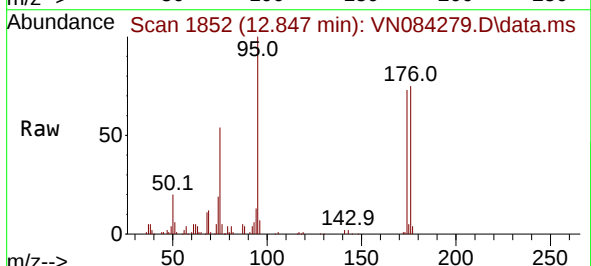
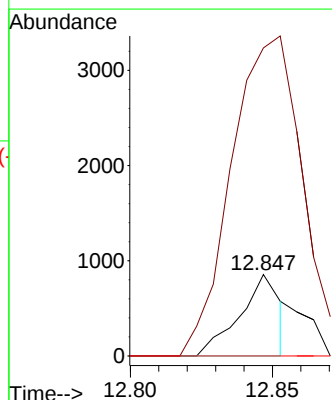
Tgt Ion:173 Resp: 854

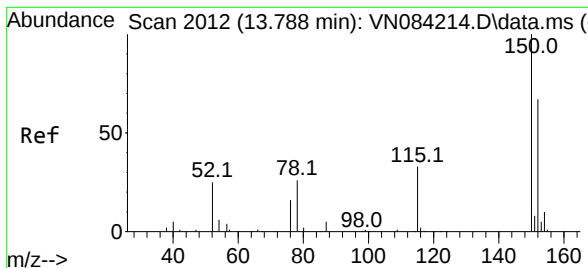
Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

254 0.0 0.0 0.0

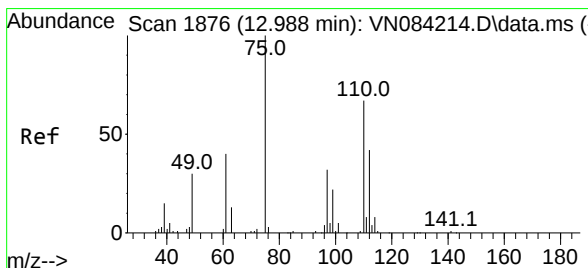
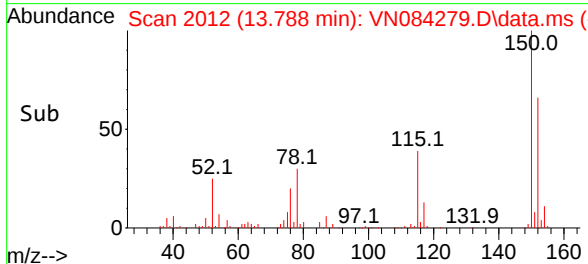
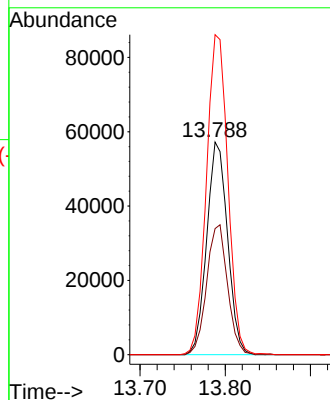
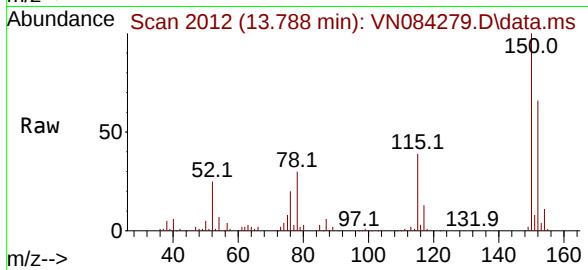




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN084279.D
 Acq: 02 Oct 2024 20:57

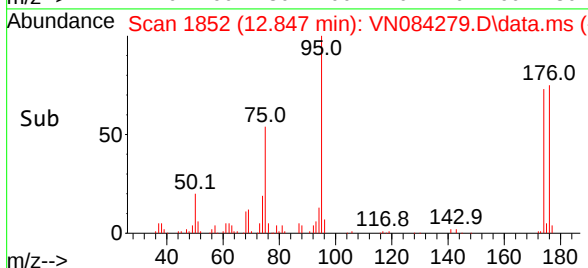
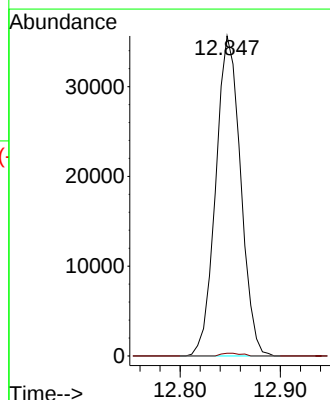
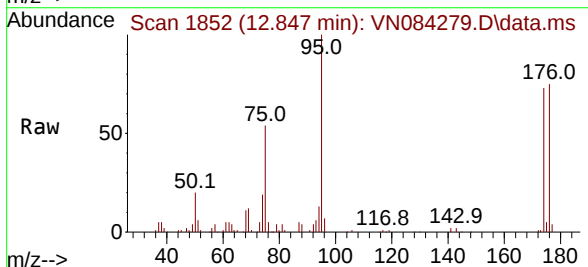
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20240924

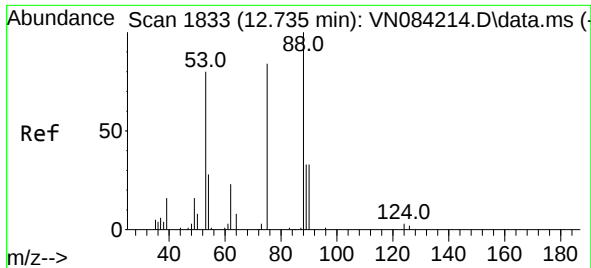
Tgt Ion:152 Resp: 97059
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.3 93.9
 150 154.6 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 30.954 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084279.D
 Acq: 02 Oct 2024 20:57

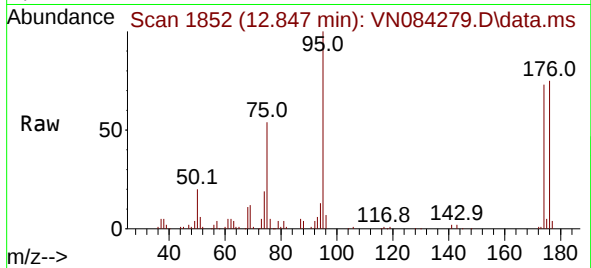
Tgt Ion: 75 Resp: 61334
 Ion Ratio Lower Upper
 75 100
 77 0.7 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.210 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084279.D
 Acq: 02 Oct 2024 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20240924



Tgt Ion: 75 Resp: 61334
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

