

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093024\
 Data File : VN084227.D
 Acq On : 30 Sep 2024 19:18
 Operator : JC\MD
 Sample : P4116-26
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 07:16:16 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

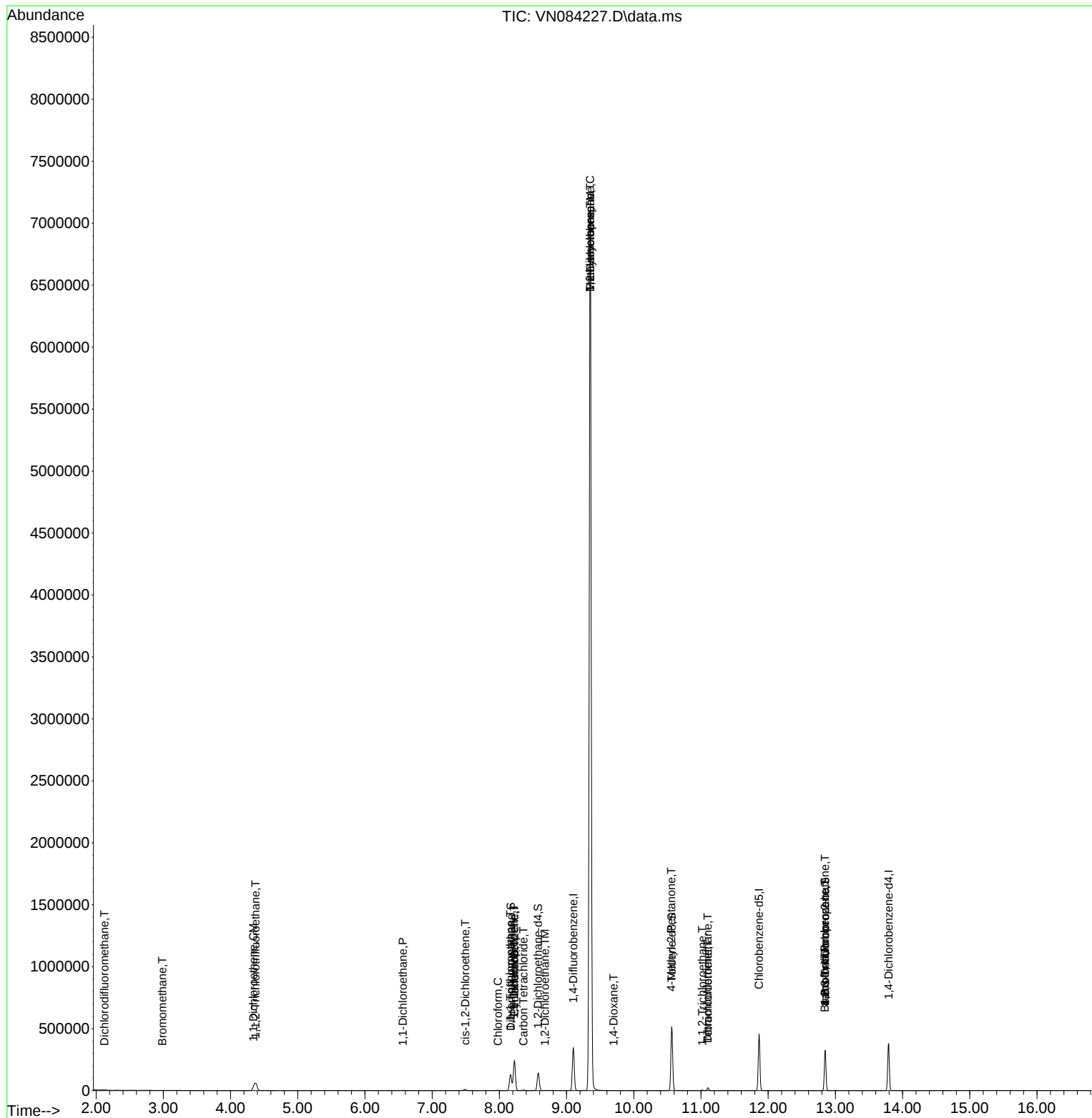
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122564	49.562	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.120%	
35) Dibromofluoromethane	8.171	113	93661	48.543	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.080%	
50) Toluene-d8	10.565	98	355912	50.138	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.280%	
62) 4-Bromofluorobenzene	12.847	95	114857	44.414	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	88.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	545	0.276	ug/l	96
5) Bromomethane	2.983	94	453	0.315	ug/l #	4
9) 1,1,2-Trichlorotrifluo...	4.371	101	39960	20.525	ug/l	99
12) 1,1-Dichloroethene	4.342	96	10973	5.843	ug/l	93
24) 1,1-Dichloroethane	6.565	63	5028	1.333	ug/l #	83
27) cis-1,2-Dichloroethene	7.494	96	6254	2.631	ug/l	87
30) Chloroform	7.977	83	3772	0.963	ug/l	95
31) Cyclohexane	8.224	56	4421	1.207	ug/l #	32
32) 1,1,1-Trichloroethane	8.165	97	943	0.268	ug/l #	23
36) 1,1-Dichloropropene	8.218	75	14449	5.156	ug/l #	51
38) Carbon Tetrachloride	8.359	117	4070	1.324	ug/l	97
39) Methylcyclohexane	9.353	83	33677	10.797	ug/l #	1
42) 1,2-Dichloroethane	8.677	62	797	0.269	ug/l #	75
44) Trichloroethene	9.353	130	2489577	1220.736	ug/l	95
45) 1,2-Dichloropropane	9.353	63	8728	4.225	ug/l #	1
49) 1,4-Dioxane	9.700	88	332	8.044	ug/l #	58
51) 4-Methyl-2-Pentanone	10.559	43	1615	0.590	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	1591	0.833	ug/l	94
60) Dibromochloromethane	11.100	129	5545	2.459	ug/l #	11
64) Tetrachloroethene	11.100	164	4963	2.848	ug/l	87
71) Bromoform	12.841	173	441	0.314	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	61142	30.020	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61142	71.972	ug/l #	11

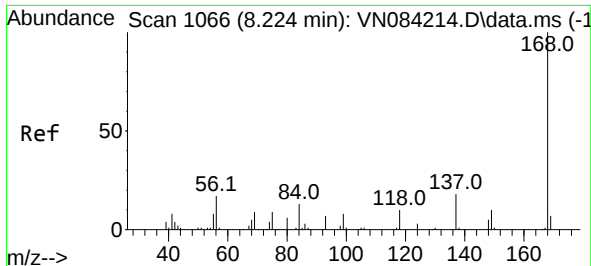
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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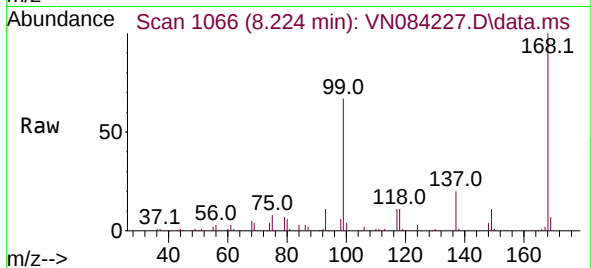
Quant Time: Oct 01 07:16:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
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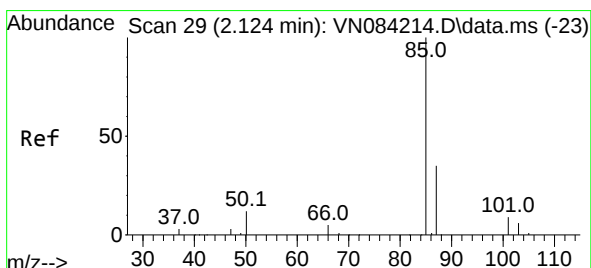
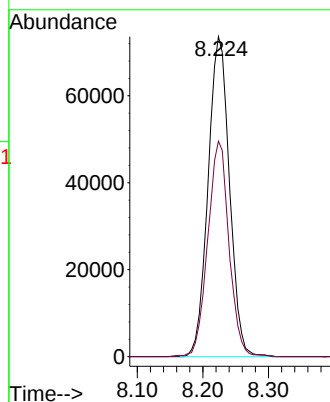
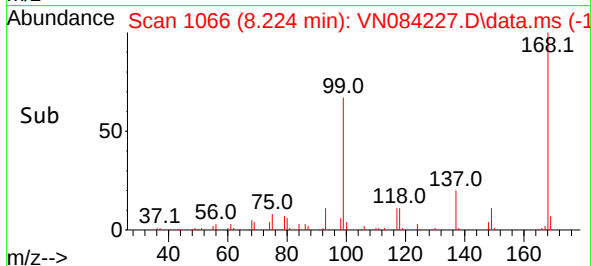


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

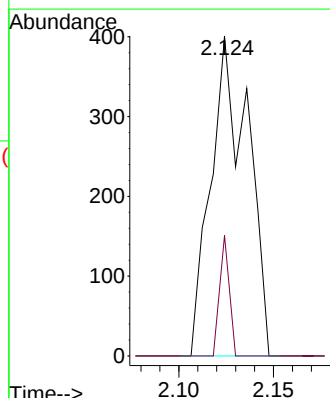
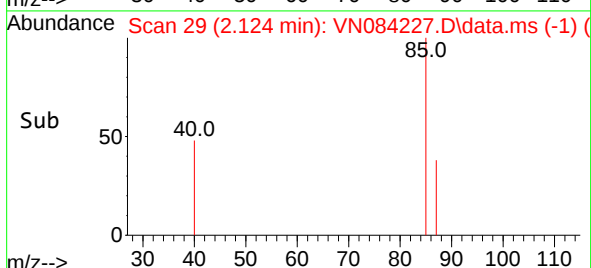
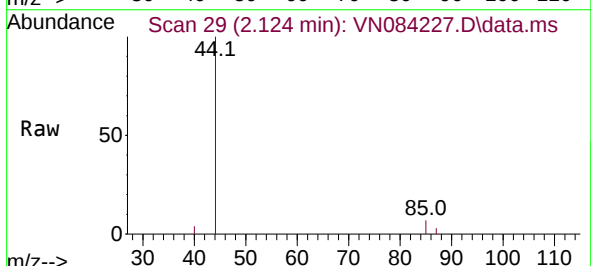


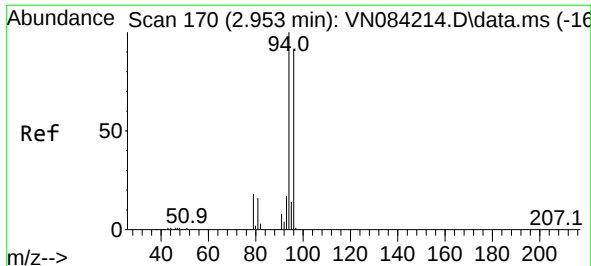
Tgt Ion:168 Resp: 166789
Ion Ratio Lower Upper
168 100
99 67.3 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.276 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

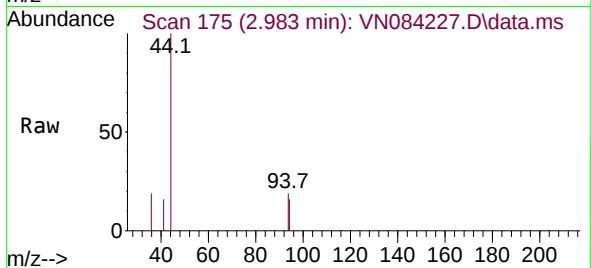
Tgt Ion: 85 Resp: 545
Ion Ratio Lower Upper
85 100
87 37.7 17.6 52.9



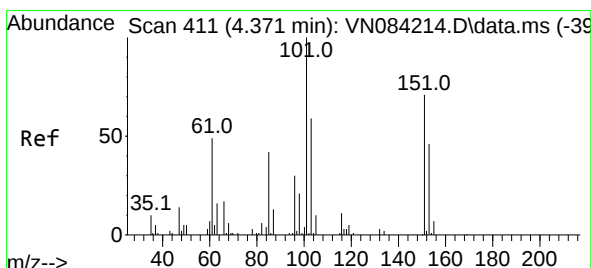
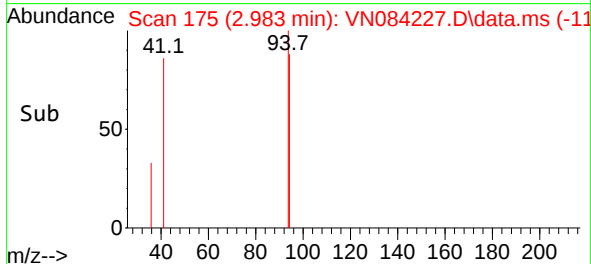
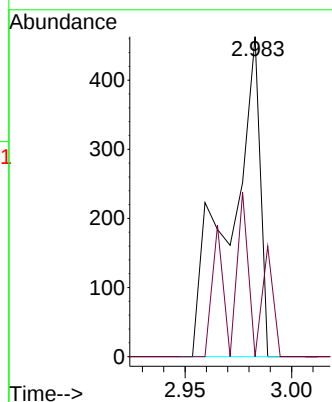


#5
Bromomethane
Concen: 0.315 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

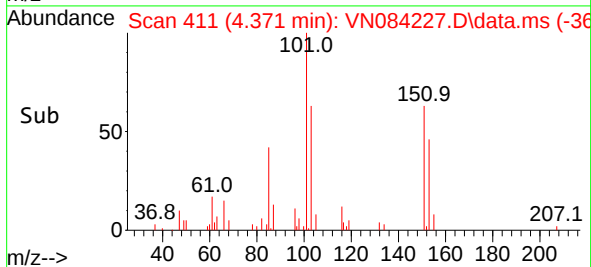
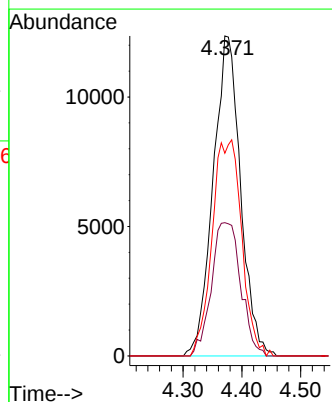
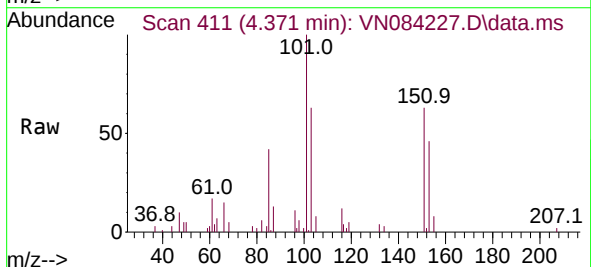


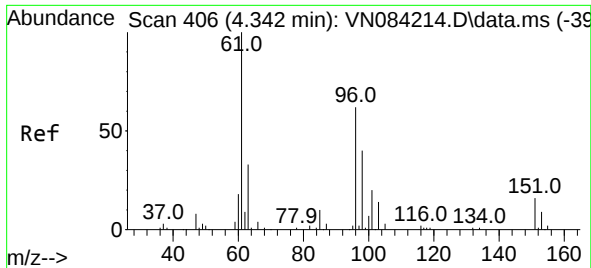
Tgt Ion: 94 Resp: 453
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.525 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

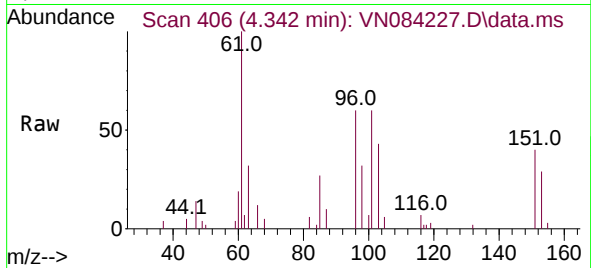
Tgt Ion:101 Resp: 39960
Ion Ratio Lower Upper
101 100
85 44.7 36.2 54.4
151 72.8 59.3 88.9



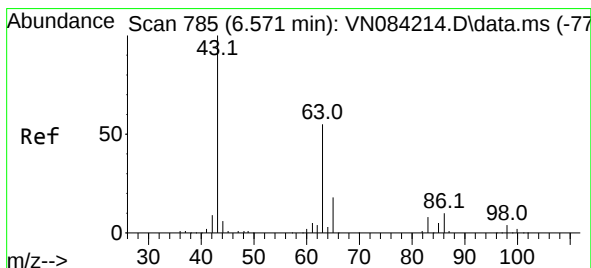
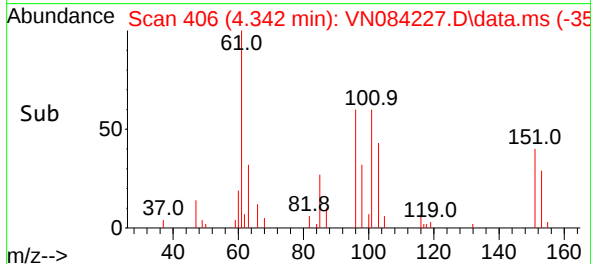
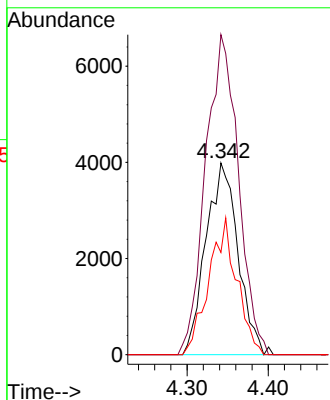


#12
 1,1-Dichloroethene
 Concen: 5.843 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VN084227.D
 Acq: 30 Sep 2024 19:18

Instrument :
 MSVOA_N
 ClientSampleId :

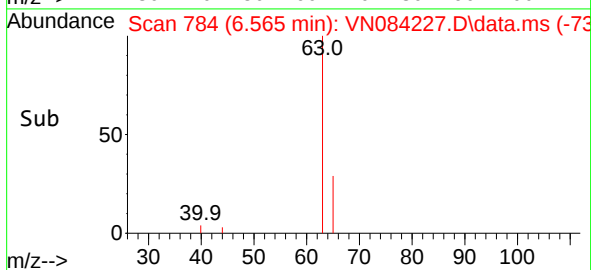
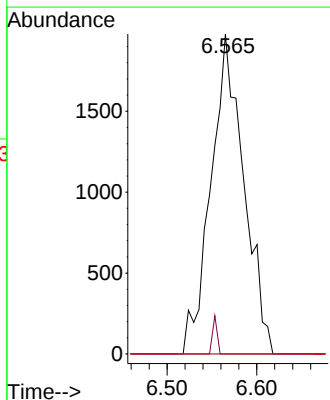
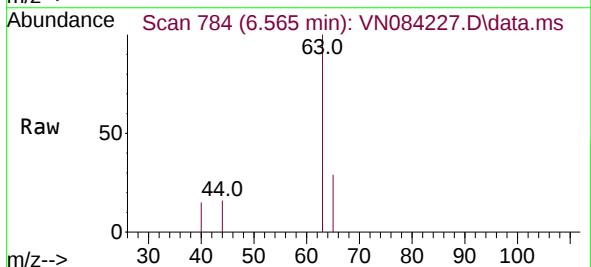


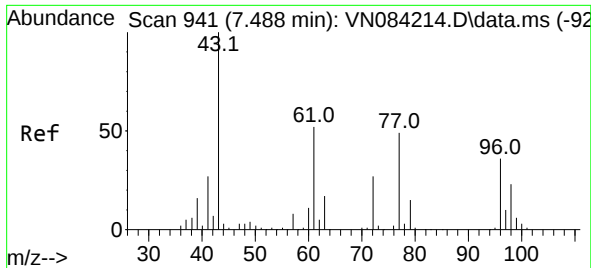
Tgt Ion: 96 Resp: 10973
 Ion Ratio Lower Upper
 96 100
 61 167.0 128.6 192.8
 98 53.4 51.7 77.5



#24
 1,1-Dichloroethane
 Concen: 1.333 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.006 min
 Lab File: VN084227.D
 Acq: 30 Sep 2024 19:18

Tgt Ion: 63 Resp: 5028
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.0 5.8#

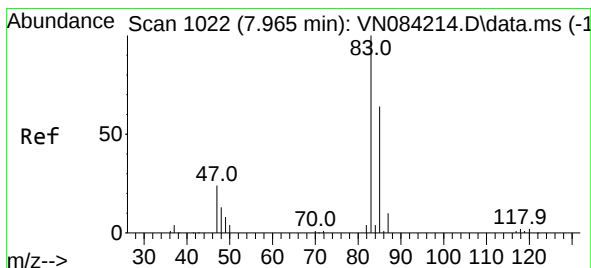
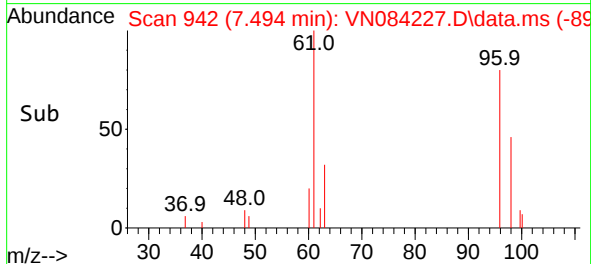
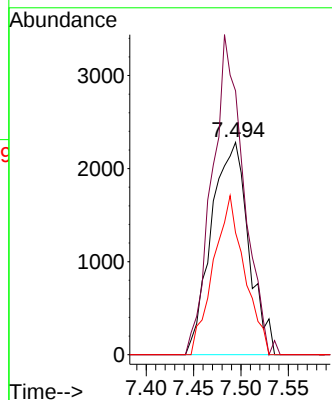
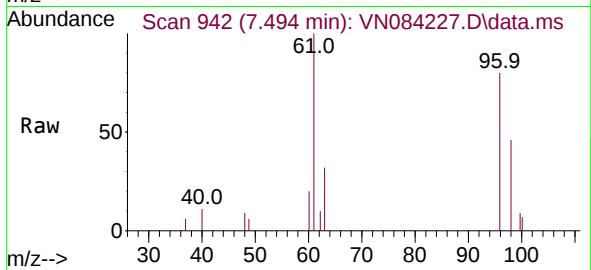




#27
 cis-1,2-Dichloroethene
 Concen: 2.631 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084227.D
 Acq: 30 Sep 2024 19:18

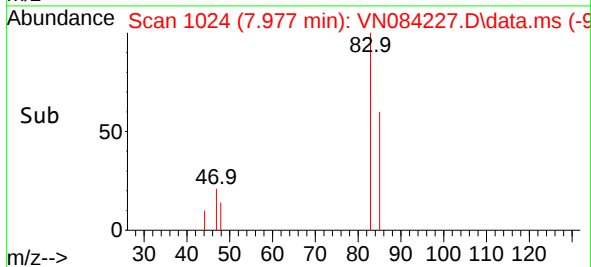
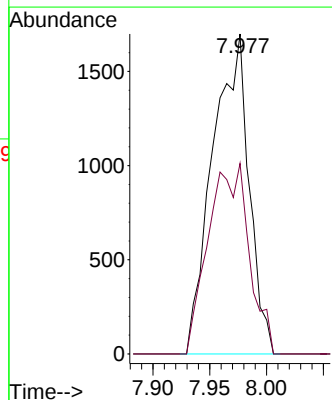
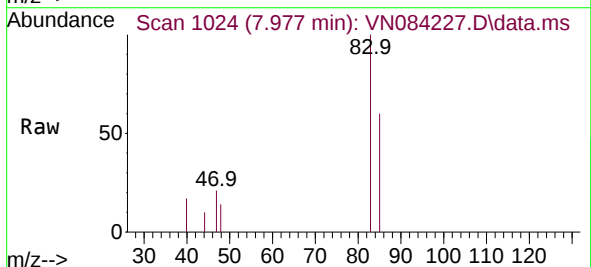
Instrument :
 MSVOA_N
 ClientSampleId :

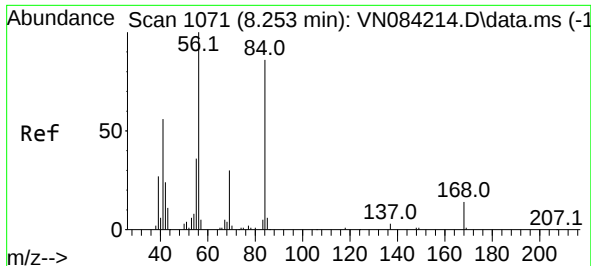
Tgt Ion: 96 Resp: 6254
 Ion Ratio Lower Upper
 96 100
 61 127.6 0.0 301.8
 98 62.5 0.0 128.2



#30
 Chloroform
 Concen: 0.963 ug/l
 RT: 7.977 min Scan# 1024
 Delta R.T. 0.012 min
 Lab File: VN084227.D
 Acq: 30 Sep 2024 19:18

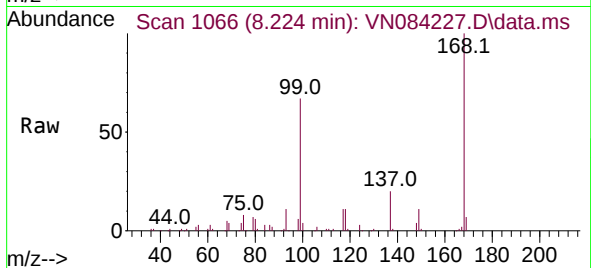
Tgt Ion: 83 Resp: 3772
 Ion Ratio Lower Upper
 83 100
 85 59.6 51.0 76.4





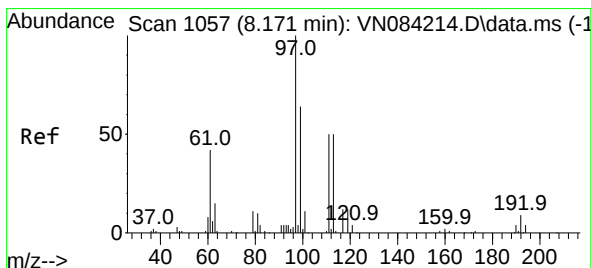
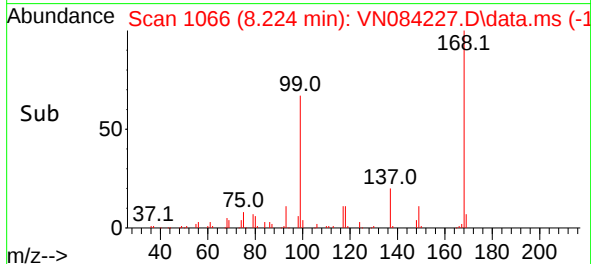
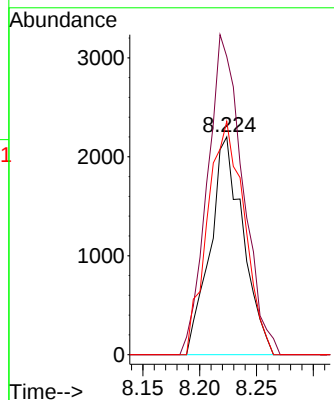
#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 56 Resp: 4421

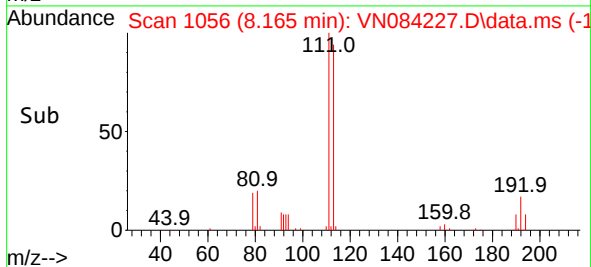
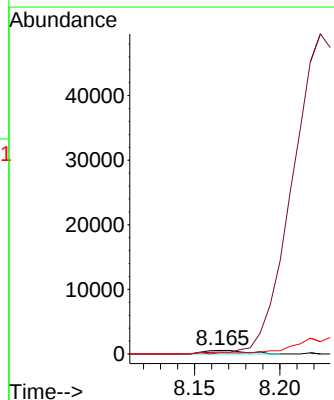
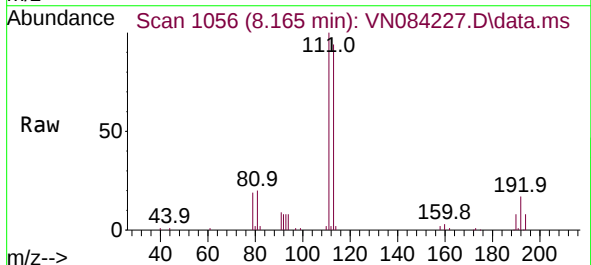
Ion	Ratio	Lower	Upper
56	100		
69	137.0	23.8	35.6#
84	107.1	68.8	103.2#

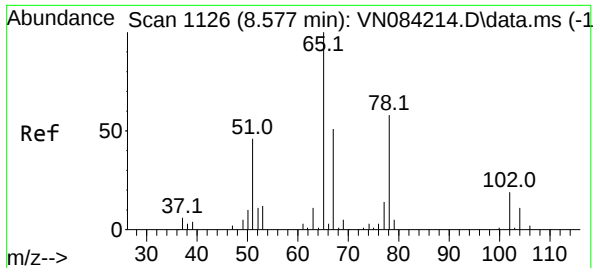


#32
1,1,1-Trichloroethane
Concen: 0.268 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Tgt Ion: 97 Resp: 943

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	0.0	37.5	56.3#

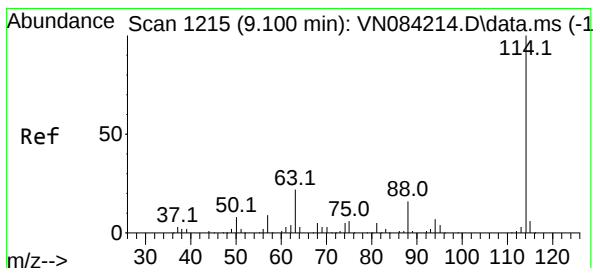
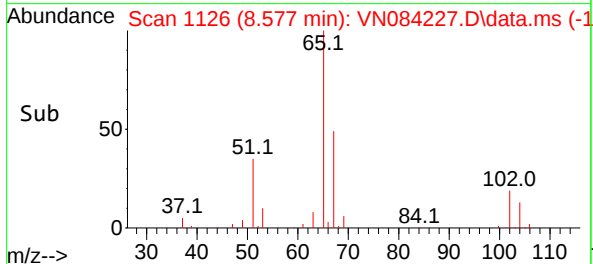
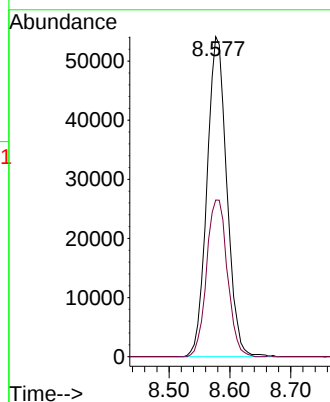
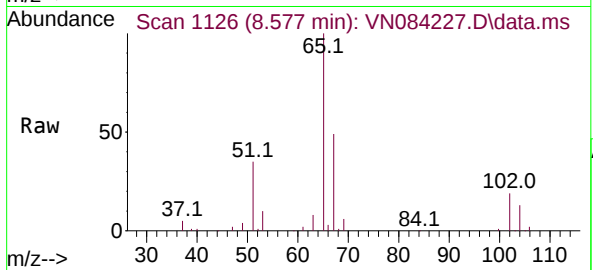




#33
 1,2-Dichloroethane-d4
 Concen: 49.562 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084227.D
 Acq: 30 Sep 2024 19:18

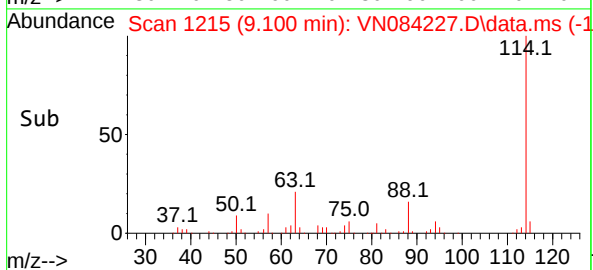
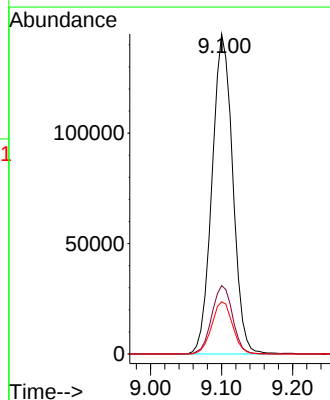
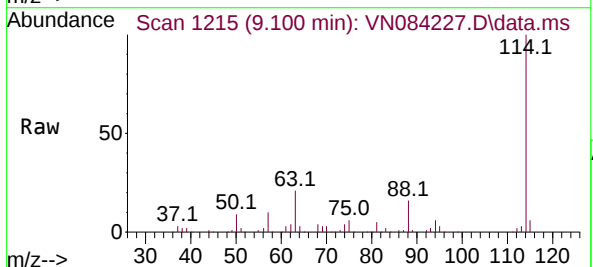
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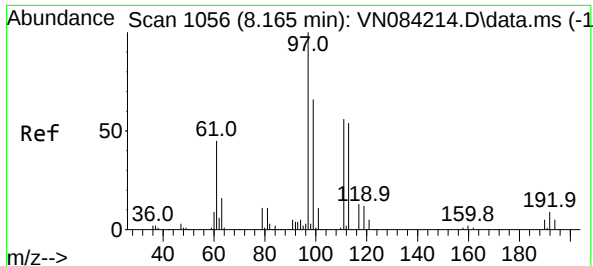
Tgt Ion: 65 Resp: 122564
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084227.D
 Acq: 30 Sep 2024 19:18

Tgt Ion: 114 Resp: 292665
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.8
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.543 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

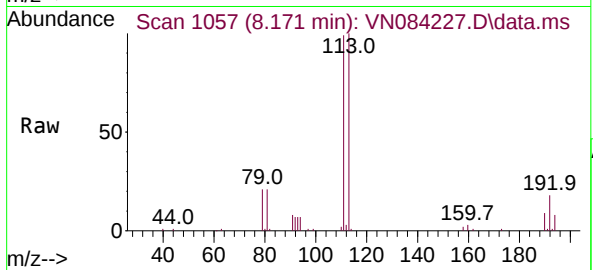
Lab File: VN084227.D

Acq: 30 Sep 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :



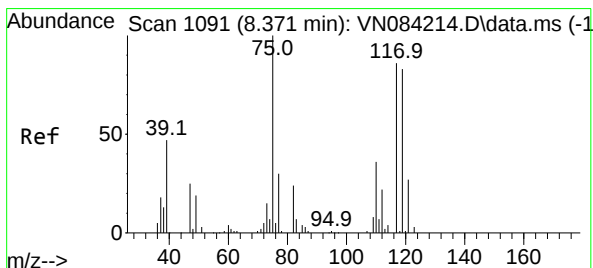
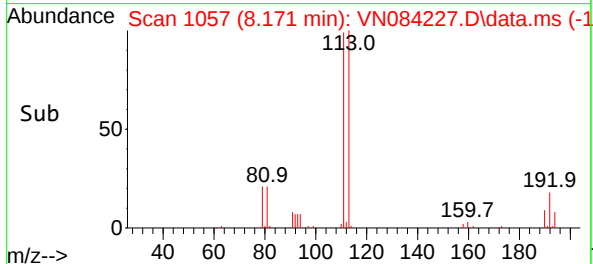
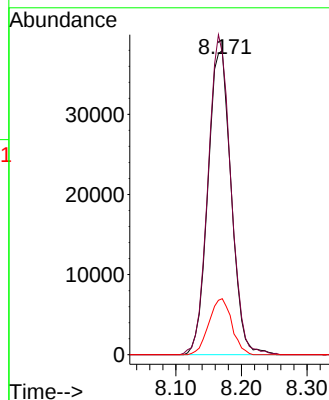
Tgt Ion:113 Resp: 93661

Ion Ratio Lower Upper

113 100

111 102.8 83.3 124.9

192 18.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.156 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084227.D

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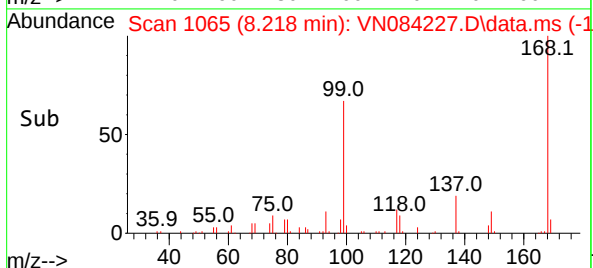
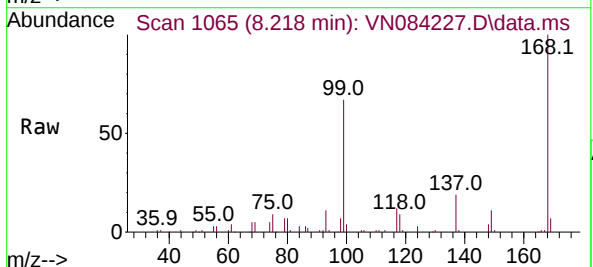
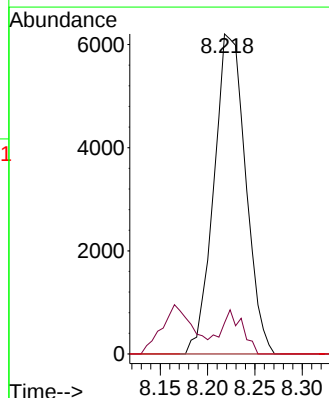
Tgt Ion: 75 Resp: 14449

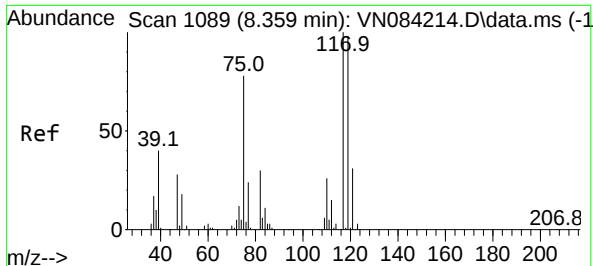
Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.7#

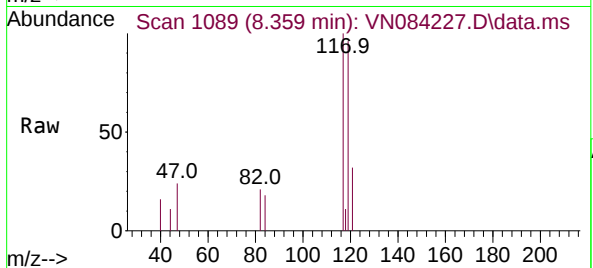
77 0.0 24.7 37.1#



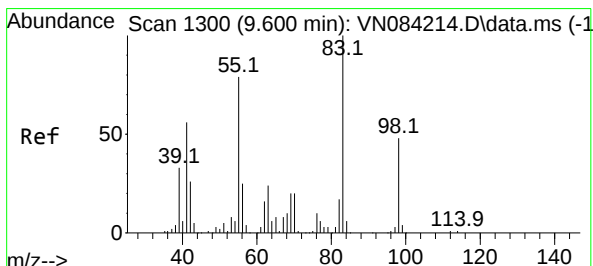
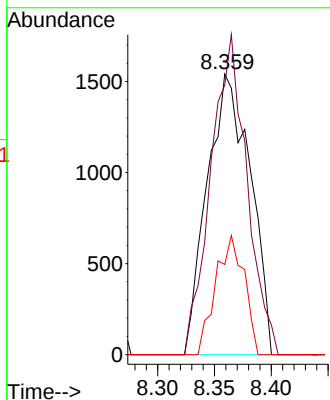
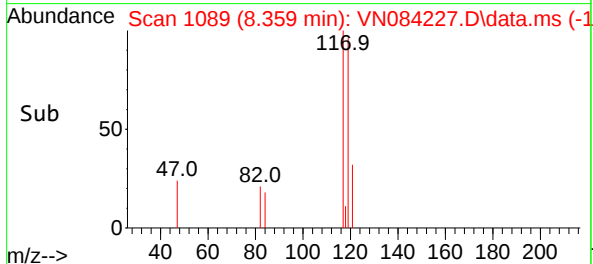


#38
Carbon Tetrachloride
Concen: 1.324 ug/l
RT: 8.359 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

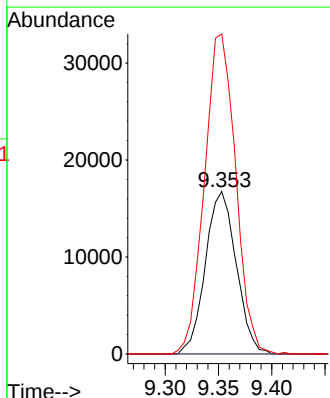
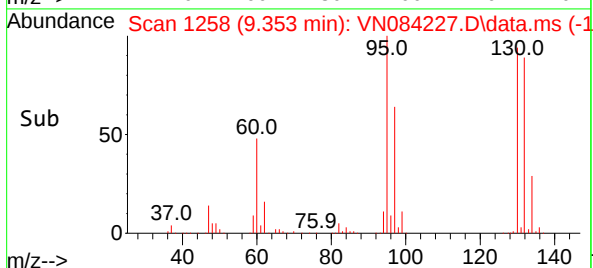
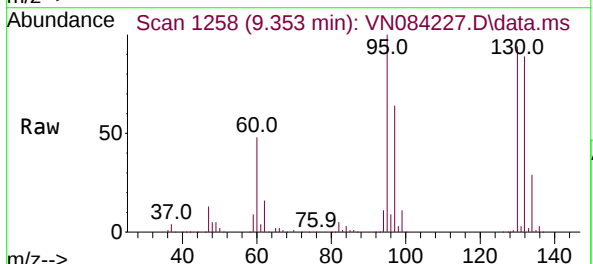


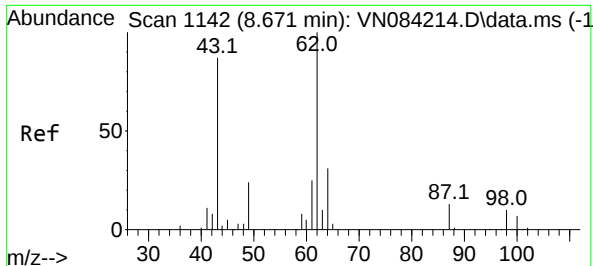
Tgt Ion:117 Resp: 4070
Ion Ratio Lower Upper
117 100
119 96.0 78.7 118.1
121 32.1 24.4 36.6



#39
Methylcyclohexane
Concen: 10.797 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Tgt Ion: 83 Resp: 33677
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 197.1 38.8 58.2#





#42

1,2-Dichloroethane

Concen: 0.269 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084227.D

Acq: 30 Sep 2024 19:18

Instrument :

MSVOA_N

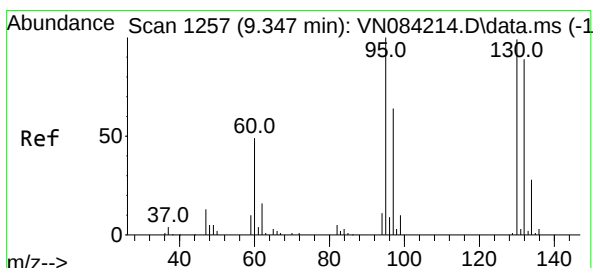
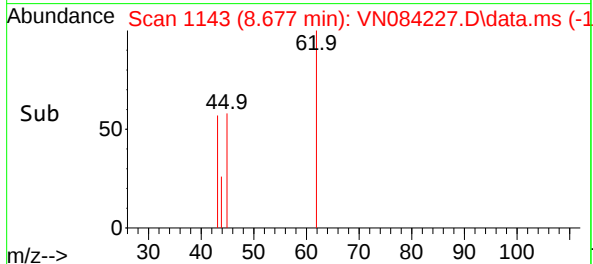
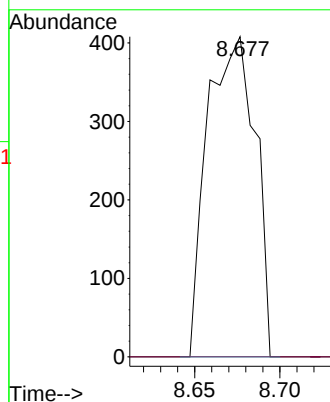
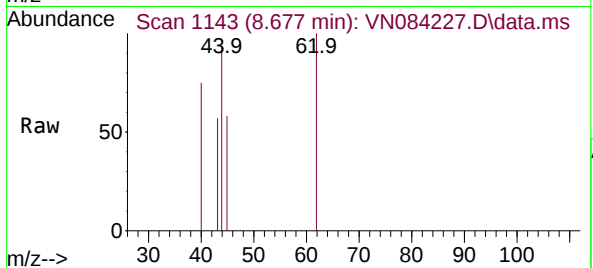
ClientSampleId :

Tgt Ion: 62 Resp: 797

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#44

Trichloroethene

Concen: 1220.736 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084227.D

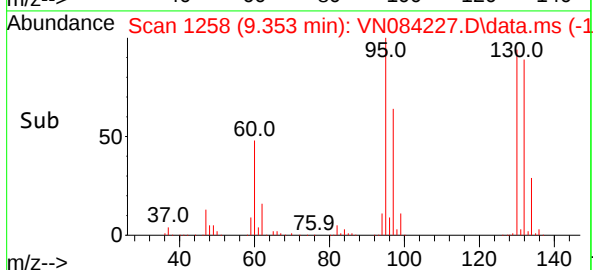
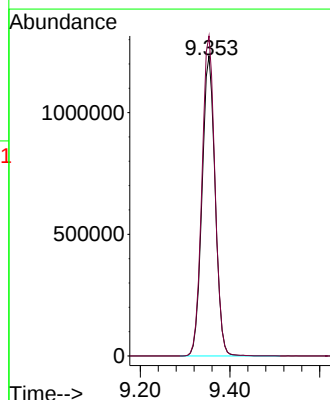
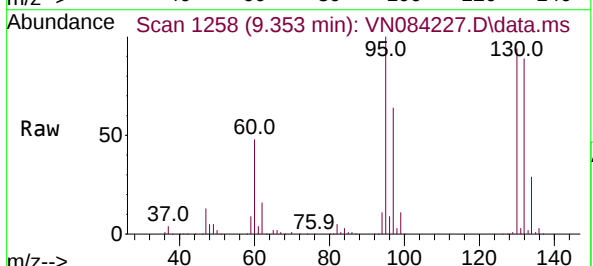
Acq: 30 Sep 2024 19:18

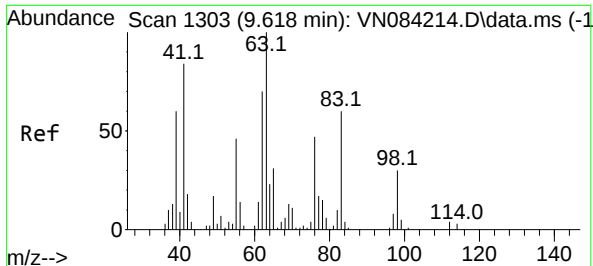
Tgt Ion: 130 Resp: 2489577

Ion Ratio Lower Upper

130 100

95 106.7 0.0 203.0





#45

1,2-Dichloropropane

Concen: 4.225 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN084227.D

Acq: 30 Sep 2024 19:18

Instrument :

MSVOA_N

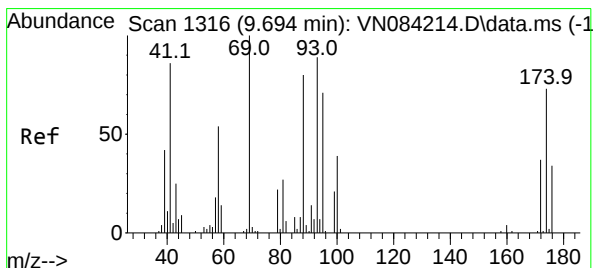
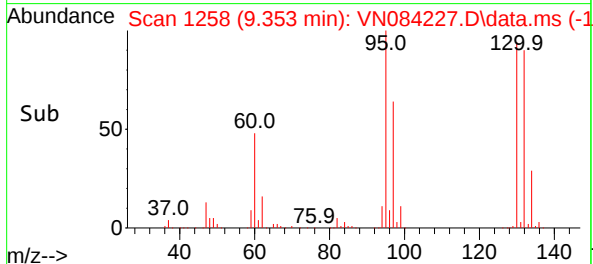
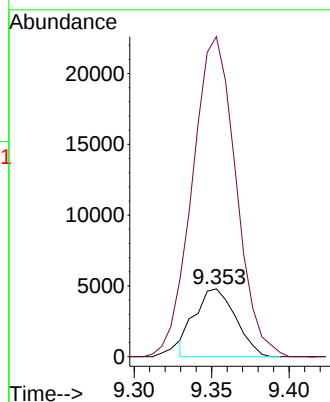
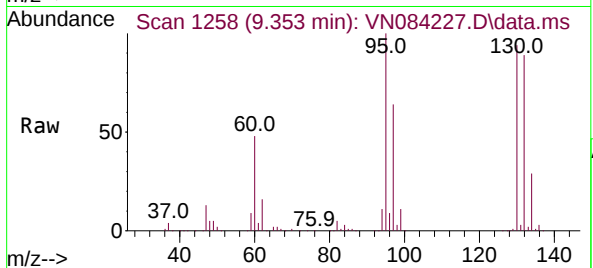
ClientSampleId :

Tgt Ion: 63 Resp: 8728

Ion Ratio Lower Upper

63 100

65 465.5 24.6 37.0#



#49

1,4-Dioxane

Concen: 8.044 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN084227.D

Acq: 30 Sep 2024 19:18

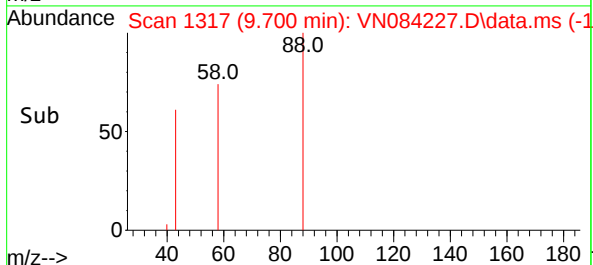
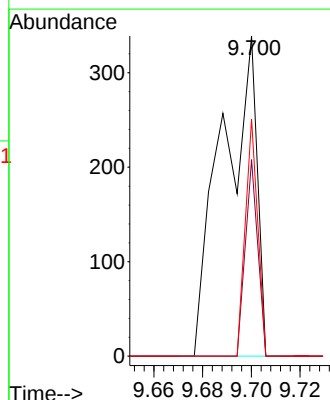
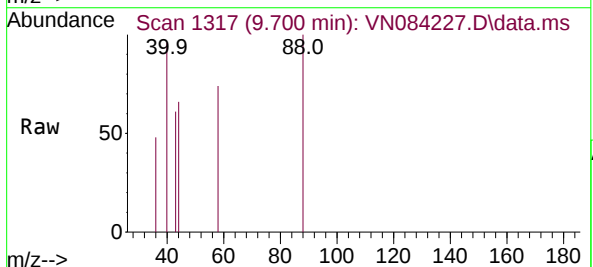
Tgt Ion: 88 Resp: 332

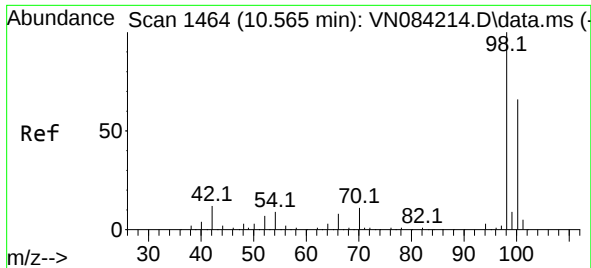
Ion Ratio Lower Upper

88 100

43 22.0 25.3 37.9#

58 26.8 56.4 84.6#

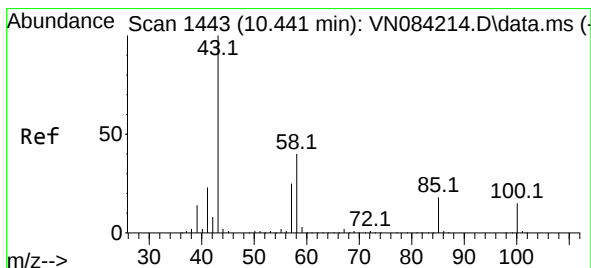
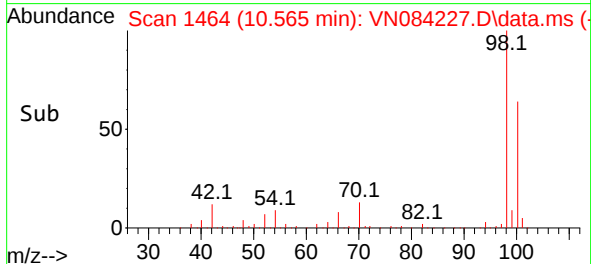
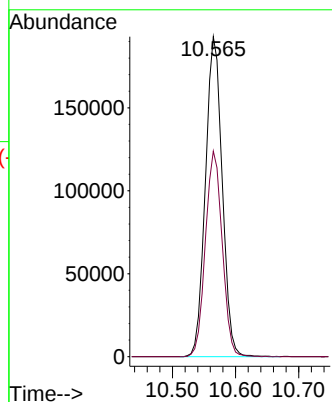
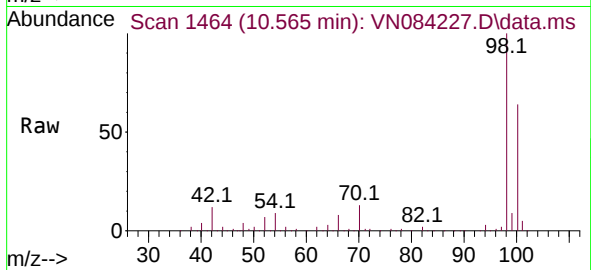




#50
Toluene-d8
Concen: 50.138 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

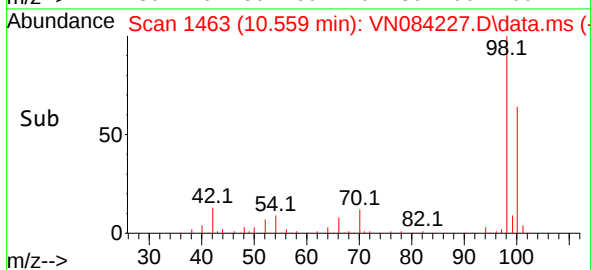
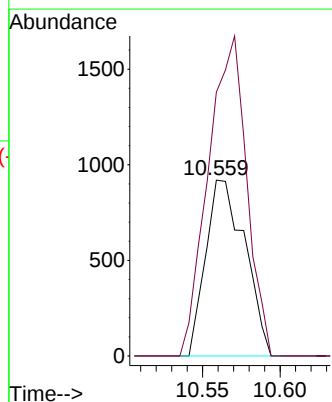
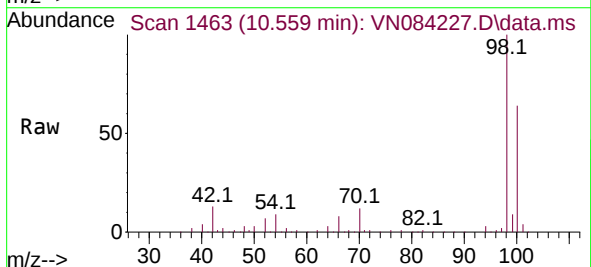
Instrument :
MSVOA_N
ClientSampleId :

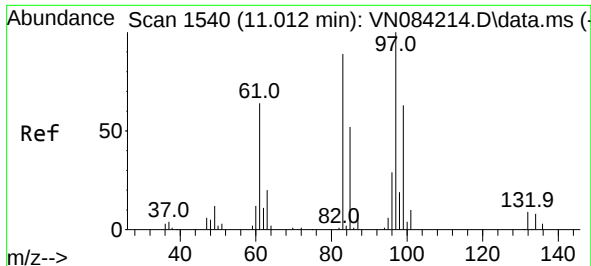
Tgt Ion: 98 Resp: 355912
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.590 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.118 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Tgt Ion: 43 Resp: 1615
Ion Ratio Lower Upper
43 100
58 178.3 31.6 47.4#



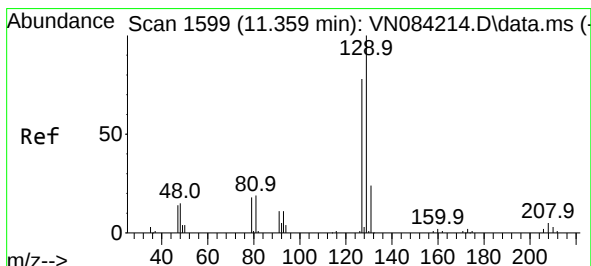
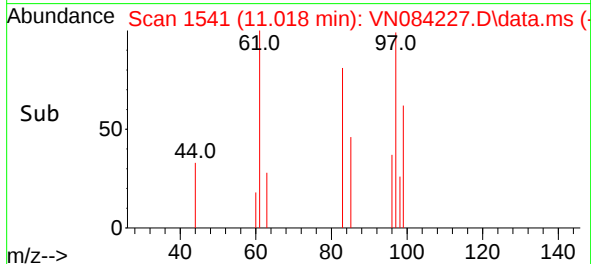
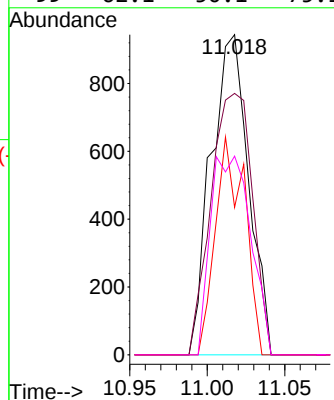
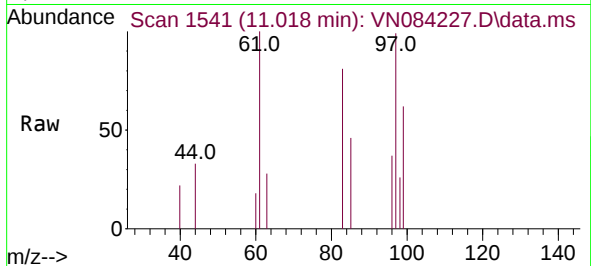


#55
1,1,2-Trichloroethane
Concen: 0.833 ug/l
RT: 11.018 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 97 Resp: 1591

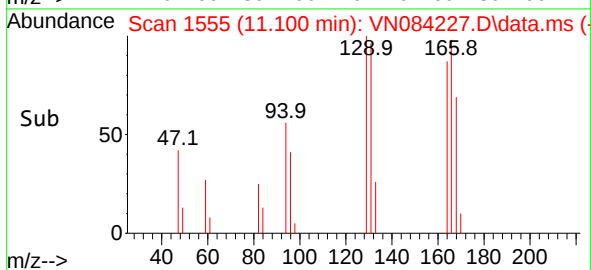
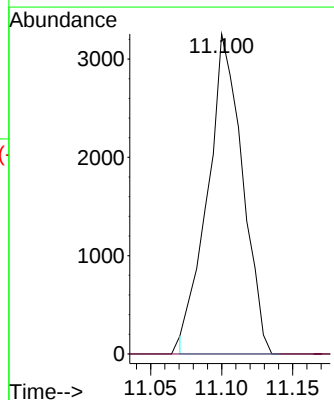
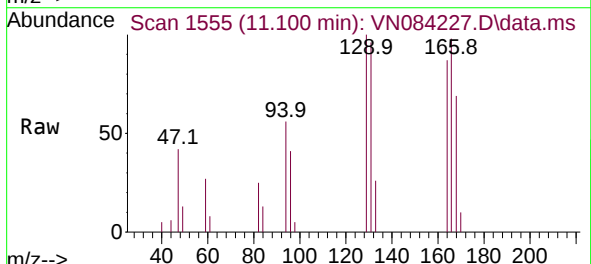
Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.0	106.4
85	46.1	41.7	62.5
99	62.1	50.1	75.1

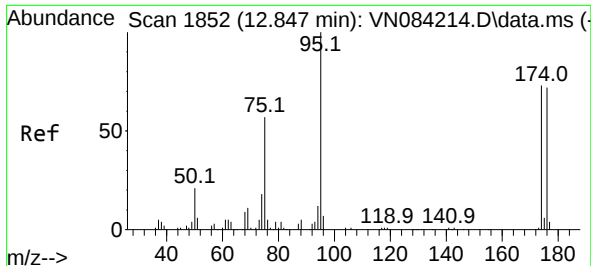


#60
Dibromochloromethane
Concen: 2.459 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Tgt Ion: 129 Resp: 5545

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.3	114.9#





#62

4-Bromofluorobenzene

Concen: 44.414 ug/l

RT: 12.847 min Scan# 114857

Delta R.T. -0.000 min

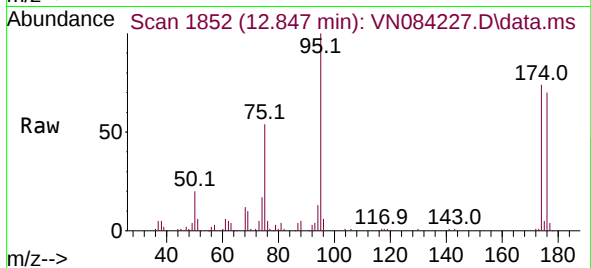
Lab File: VN084227.D

Acq: 30 Sep 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :



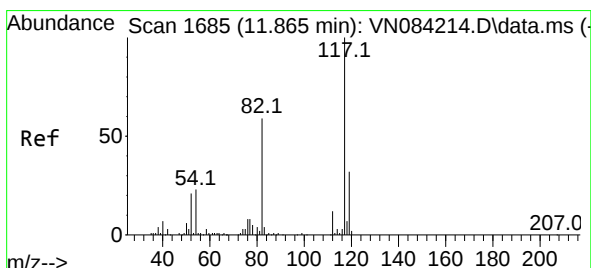
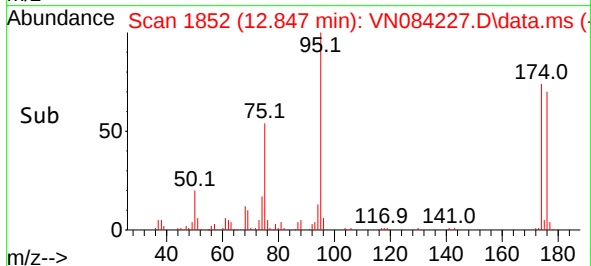
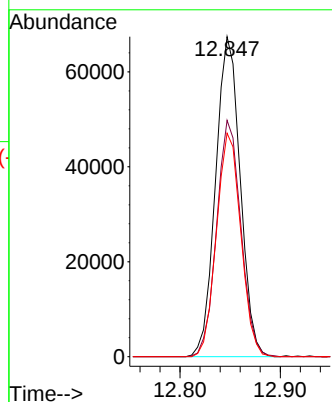
Tgt Ion: 95 Resp: 114857

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.2

176 69.1 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: VN084227.D

Acq: 30 Sep 2024 19:18

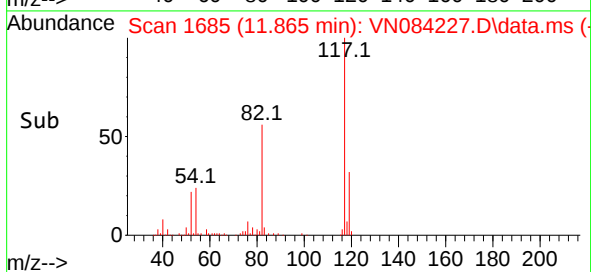
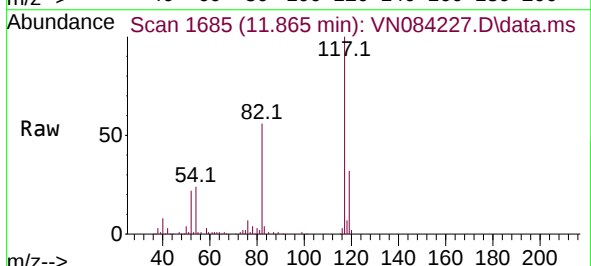
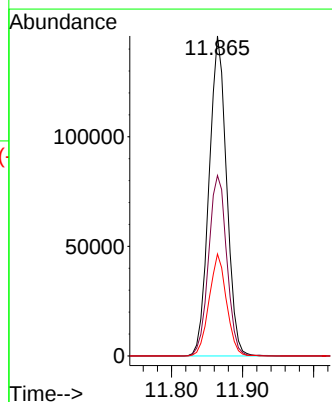
Tgt Ion: 117 Resp: 250180

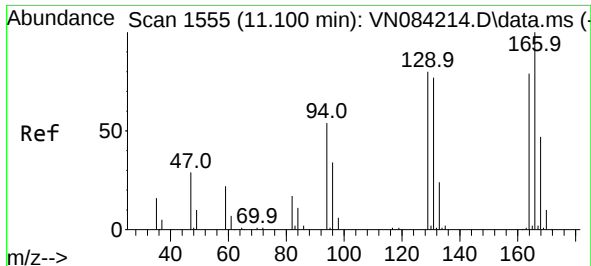
Ion Ratio Lower Upper

117 100

82 56.4 47.2 70.8

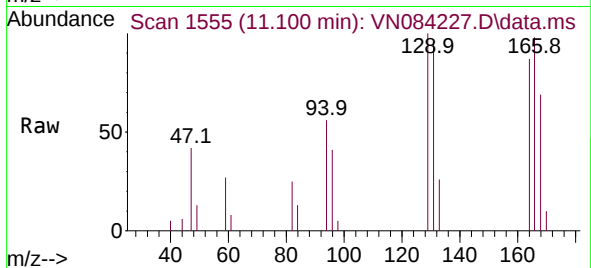
119 31.9 25.4 38.0



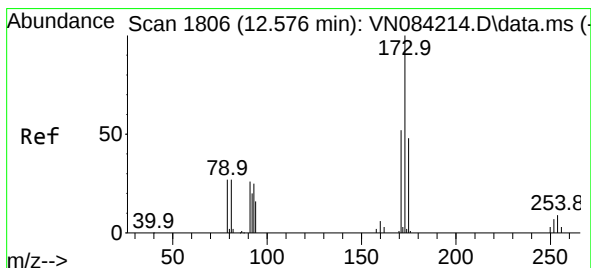
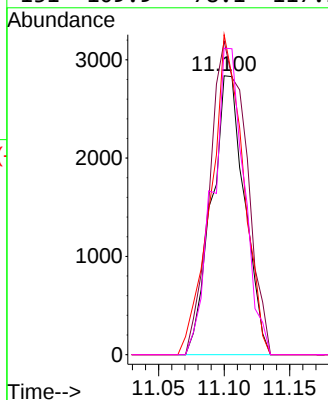
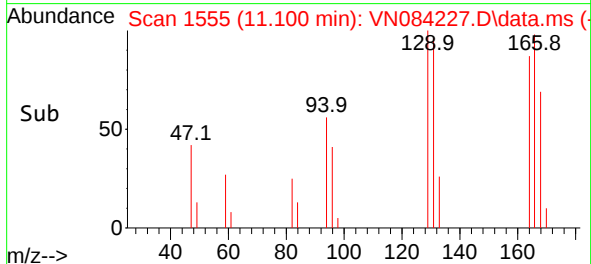


#64
Tetrachloroethene
Concen: 2.848 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

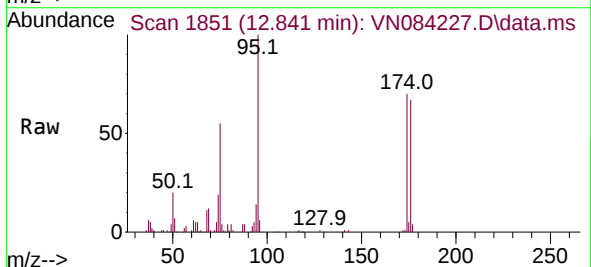
Instrument :
MSVOA_N
ClientSampleId :



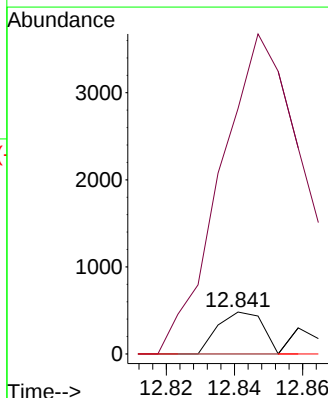
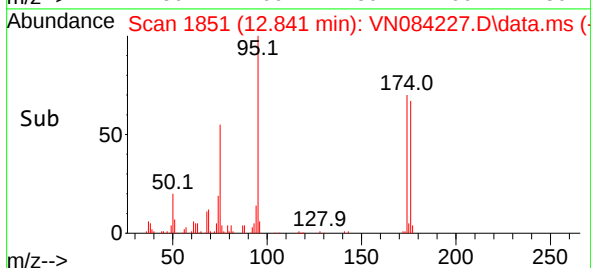
Tgt Ion:164 Resp: 4963
Ion Ratio Lower Upper
164 100
166 112.4 101.0 151.4
129 114.7 80.8 121.2
131 109.9 78.1 117.1

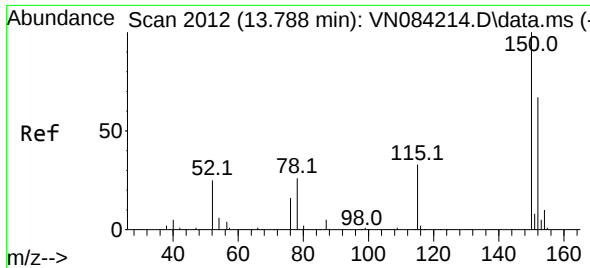


#71
Bromoform
Concen: 0.314 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18



Tgt Ion:173 Resp: 441
Ion Ratio Lower Upper
173 100
175 1045.4 23.5 70.6#
254 0.0 0.0 0.0

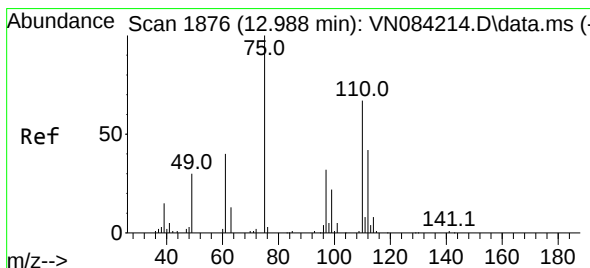
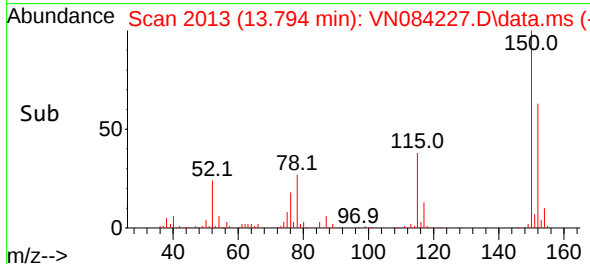
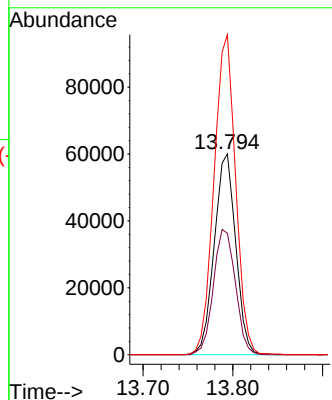
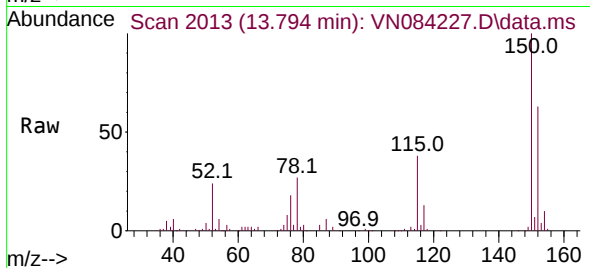




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

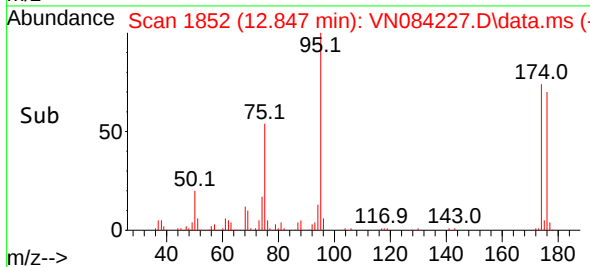
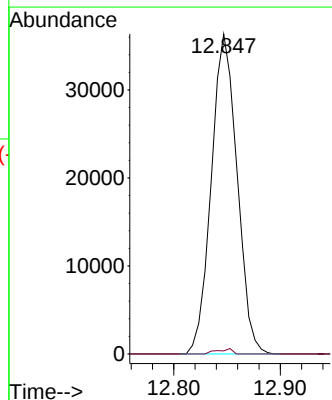
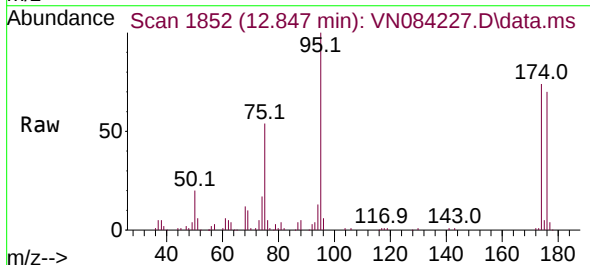
Instrument :
MSVOA_N
ClientSampleId :

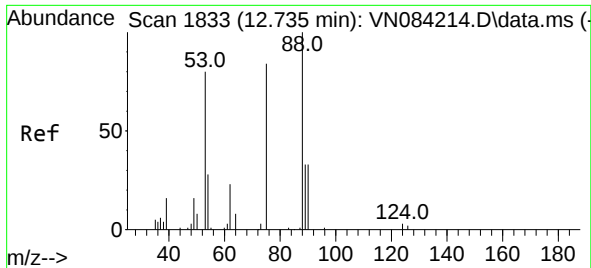
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.3	93.9
150	160.0	0.0	349.8



#76
1,2,3-Trichloropropane
Concen: 30.020 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

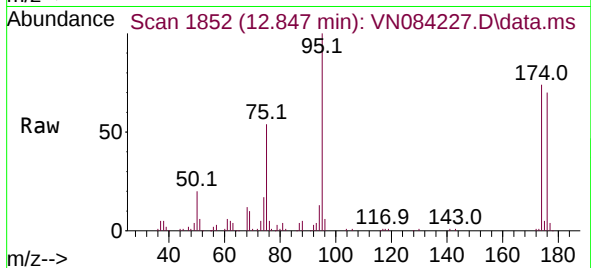
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.9	290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.972 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084227.D
Acq: 30 Sep 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 61142
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

