

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
 Data File : VN084304.D
 Acq On : 03 Oct 2024 17:27
 Operator : JC\MD
 Sample : P4258-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

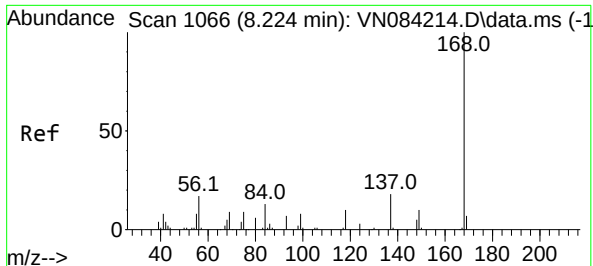
Instrument :
 MSVOA_N
 ClientSampleId :
 Chamberlain Ave

Quant Time: Oct 04 01:39:17 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	164187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121347	49.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.700%
35) Dibromofluoromethane	8.165	113	96852	48.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.120%
50) Toluene-d8	10.565	98	373293	50.867	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.740%
62) 4-Bromofluorobenzene	12.847	95	126134	47.179	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	326	0.230	ug/l	87
6) Chloroethane	3.136	64	451	0.293	ug/l #	45
11) Tert butyl alcohol	5.530	59	462	1.151	ug/l #	73
16) Acetone	4.430	43	15883	15.188	ug/l	92
18) Methyl Acetate	5.042	43	877	0.385	ug/l #	51
20) Methylene Chloride	5.283	84	4056	1.908	ug/l #	89
25) 2-Butanone	7.488	43	6020	4.227	ug/l #	72
29) Tetrahydrofuran	7.847	42	977	1.112	ug/l #	48
31) Cyclohexane	8.224	56	4216	1.169	ug/l #	38
36) 1,1-Dichloropropene	8.218	75	15054	5.196	ug/l #	49
37) Ethyl Acetate	7.559	43	3068	1.032	ug/l #	80
38) Carbon Tetrachloride	8.224	117	17917	5.637	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1053	0.344	ug/l #	75
43) Isopropyl Acetate	8.688	43	279120	47.942	ug/l #	72
44) Trichloroethene	9.359	130	544	0.258	ug/l	95
45) 1,2-Dichloropropane	9.741	63	1273	0.596	ug/l #	44
48) Methyl methacrylate	9.671	41	3091	1.334	ug/l #	45
51) 4-Methyl-2-Pentanone	10.459	43	4932	1.743	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	673	0.206	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	38077	10.847	ug/l #	69
56) Ethyl methacrylate	10.988	69	1358	0.418	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4720	1.339	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.153	63	1249	0.829	ug/l #	73
59) 2-Hexanone	11.200	43	62955	29.768	ug/l #	58
76) 1,2,3-Trichloropropane	12.847	75	66061	30.224	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66061	72.461	ug/l #	11

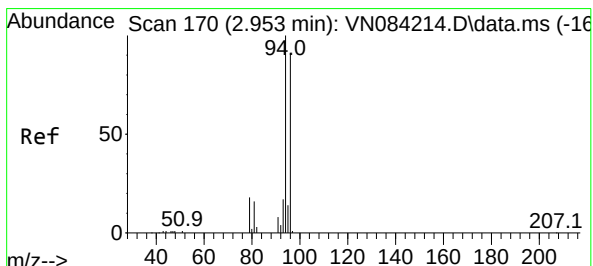
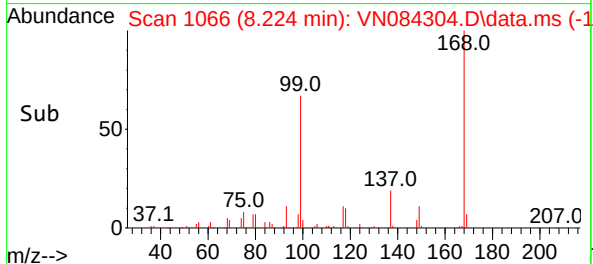
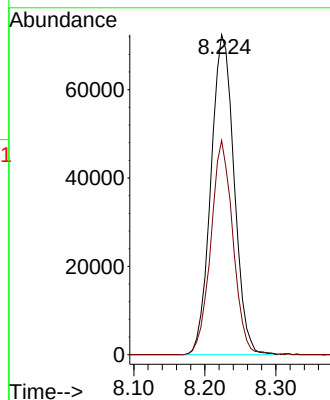
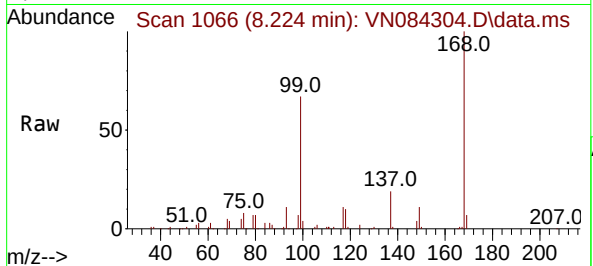
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

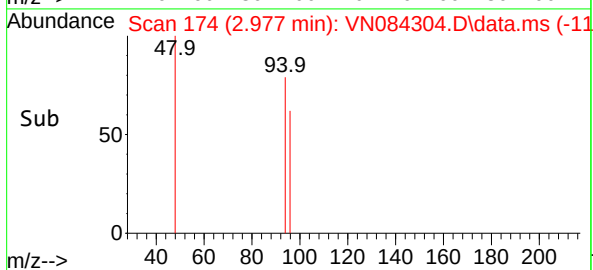
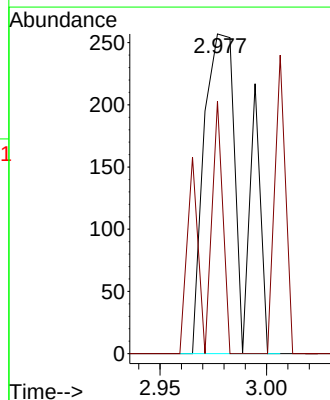
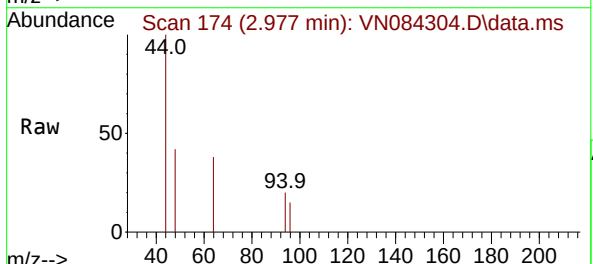
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ClientSampleId :
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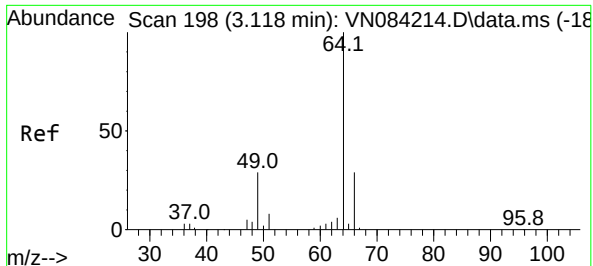
Tgt Ion:168 Resp: 164187
Ion Ratio Lower Upper
168 100
99 67.0 54.2 81.2



#5
Bromomethane
Concen: 0.230 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 94 Resp: 326
Ion Ratio Lower Upper
94 100
96 79.0 72.9 109.3

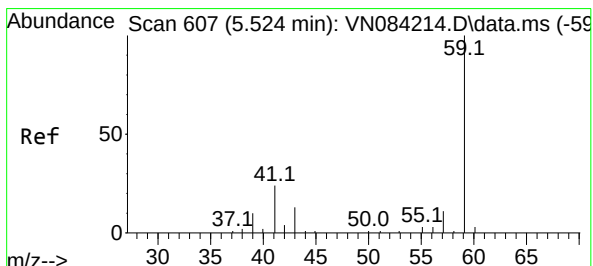
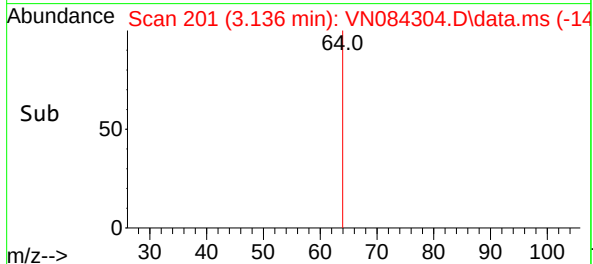
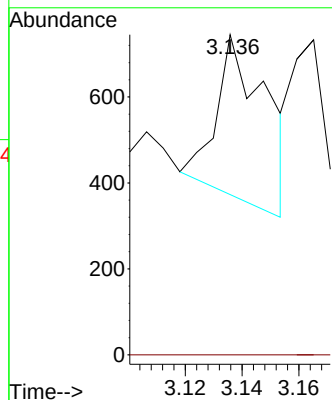
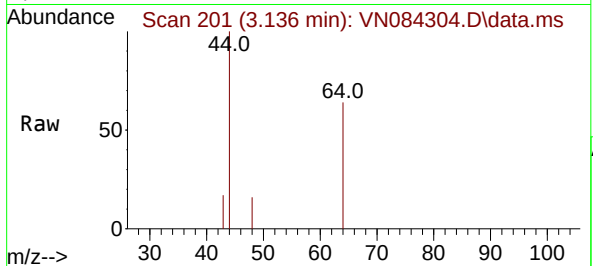




#6
Chloroethane
Concen: 0.293 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

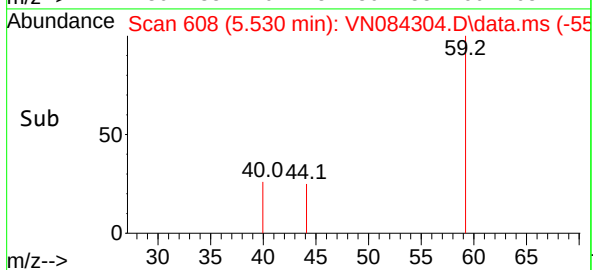
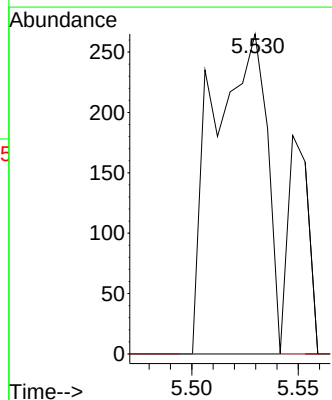
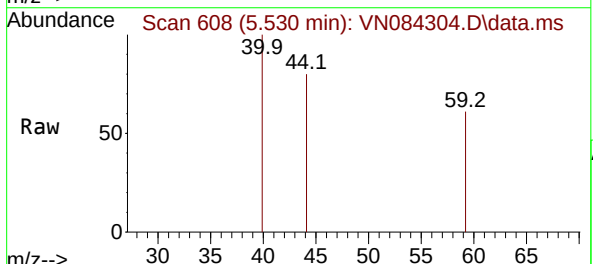
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

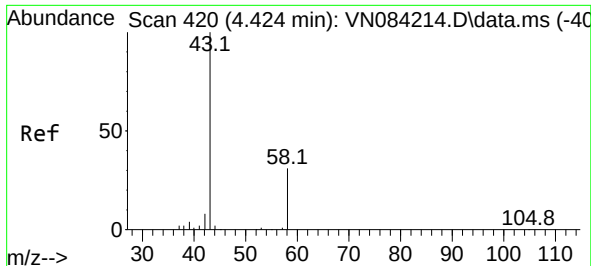
Tgt Ion: 64 Resp: 451
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.151 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 59 Resp: 462
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

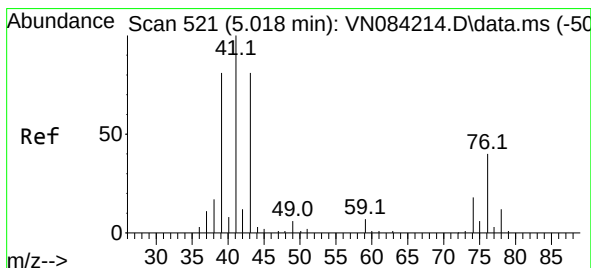
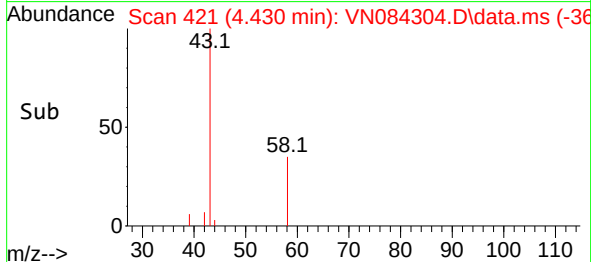
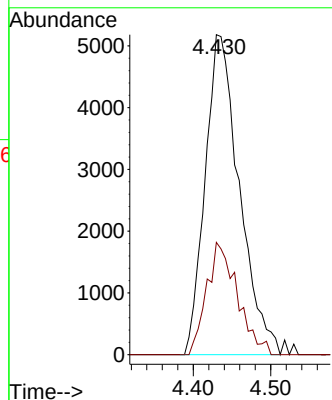
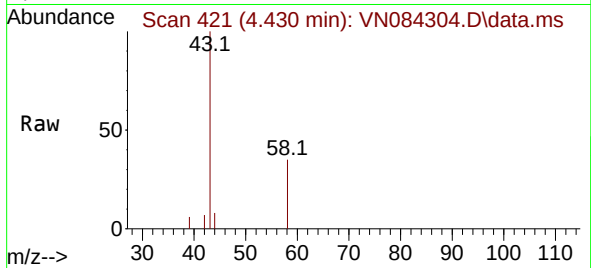




#16
Acetone
Concen: 15.188 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

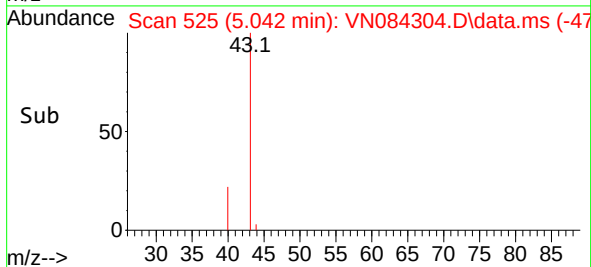
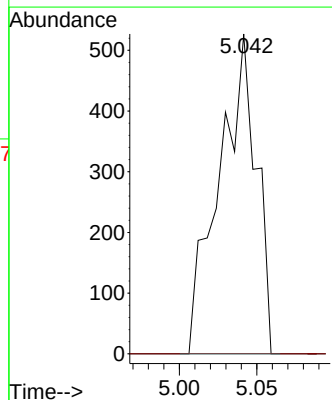
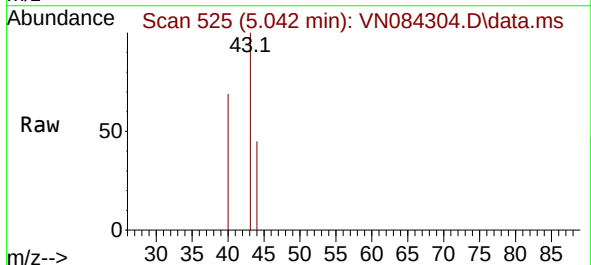
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

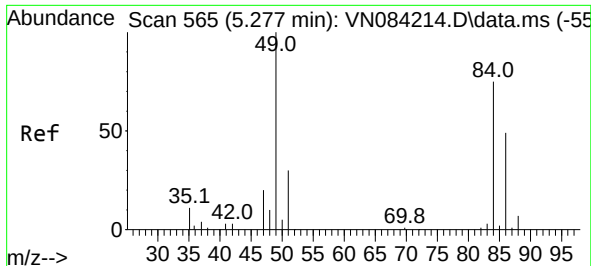
Tgt Ion: 43 Resp: 15883
Ion Ratio Lower Upper
43 100
58 35.1 24.4 36.6



#18
Methyl Acetate
Concen: 0.385 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

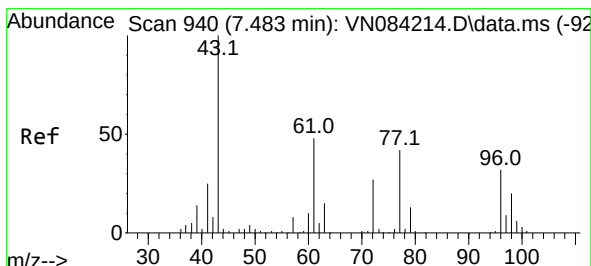
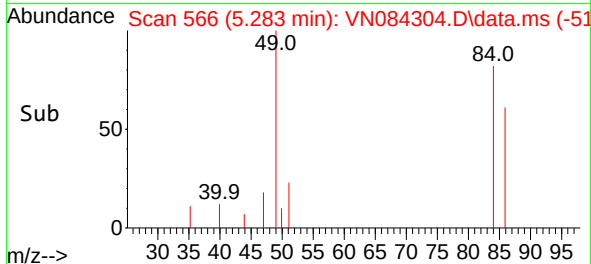
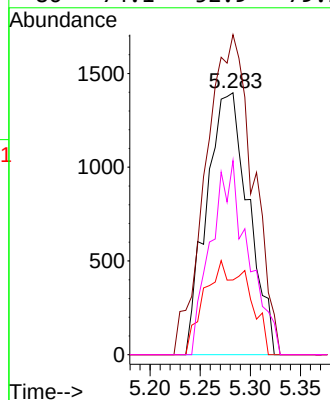
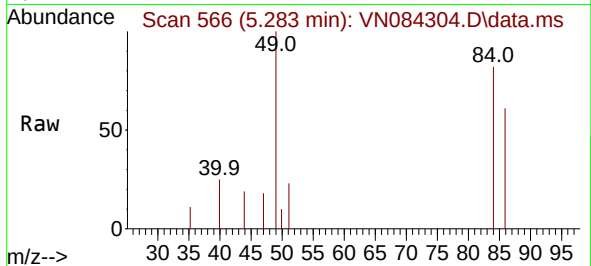




#20
Methylene Chloride
Concen: 1.908 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

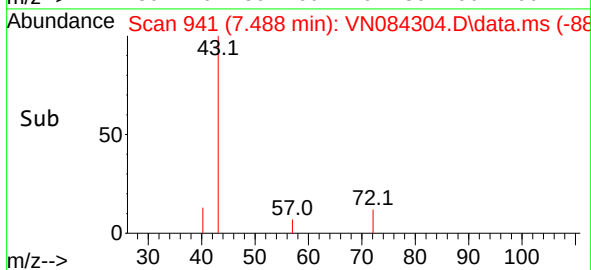
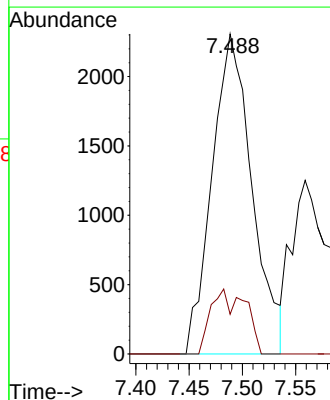
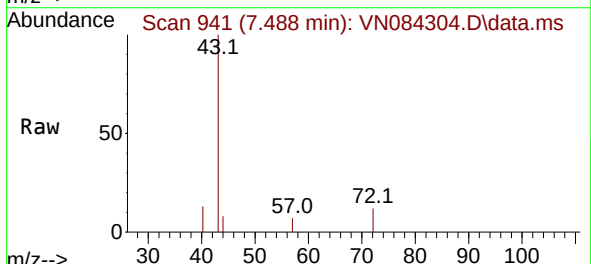
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

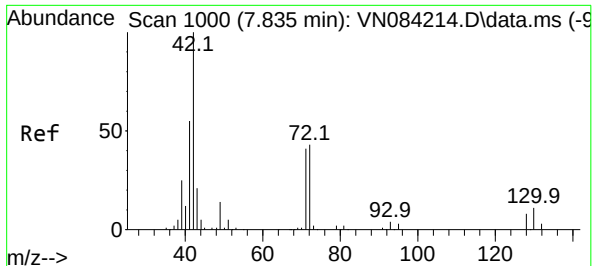
Tgt Ion: 84	Resp: 4056
Ion Ratio	Lower Upper
84	100
49	122.2 107.2 160.8
51	28.6 31.8 47.8#
86	74.1 52.9 79.3



#25
2-Butanone
Concen: 4.227 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 43	Resp: 6020
Ion Ratio	Lower Upper
43	100
72	12.4 21.4 32.2#





#29

Tetrahydrofuran

Concen: 1.112 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VN084304.D

Acq: 03 Oct 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

Chamberlain Ave

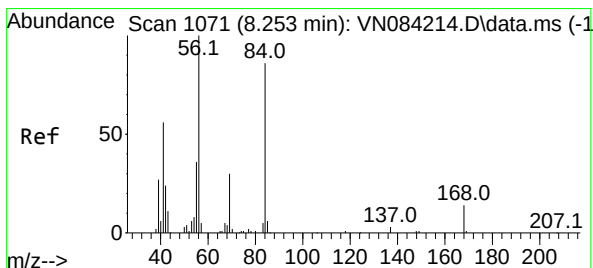
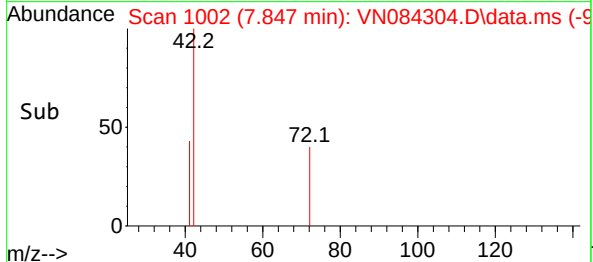
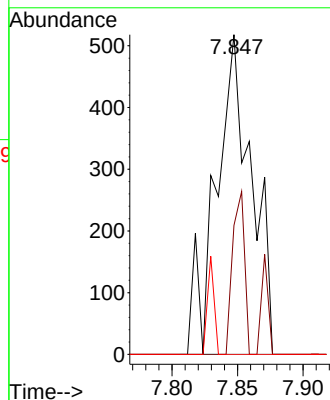
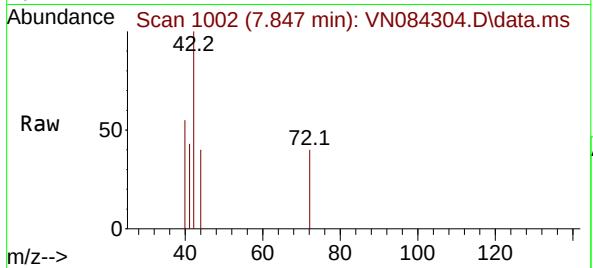
Tgt Ion: 42 Resp: 977

Ion Ratio Lower Upper

42 100

72 17.1 34.6 51.8#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084304.D

Acq: 03 Oct 2024 17:27

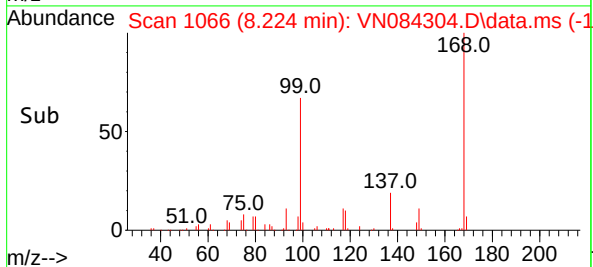
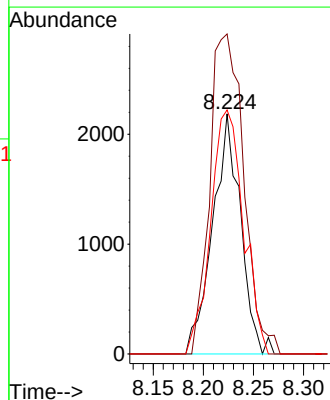
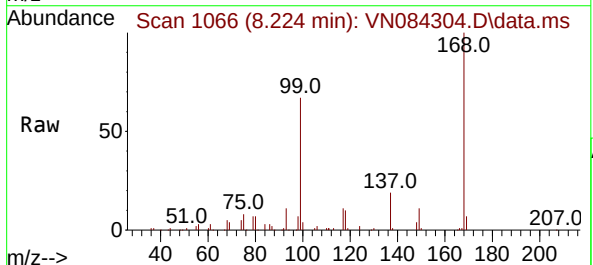
Tgt Ion: 56 Resp: 4216

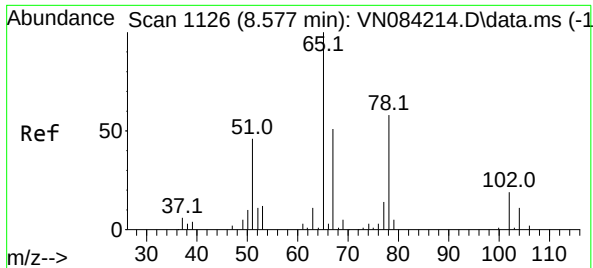
Ion Ratio Lower Upper

56 100

69 133.3 23.8 35.6#

84 101.6 68.8 103.2

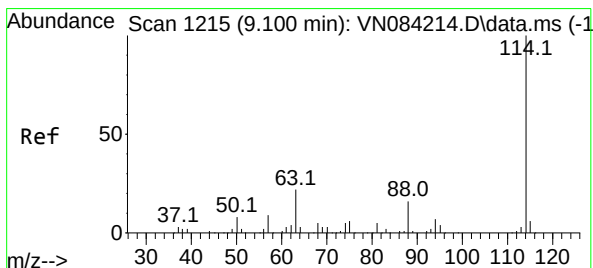
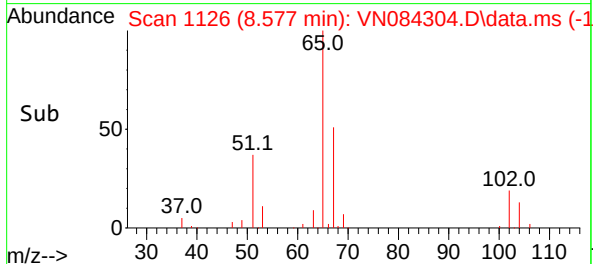
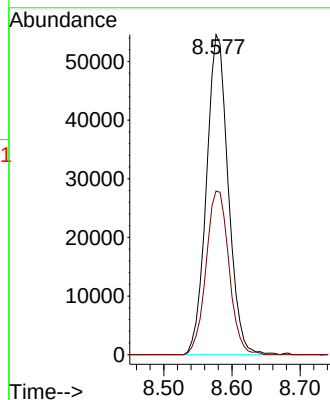
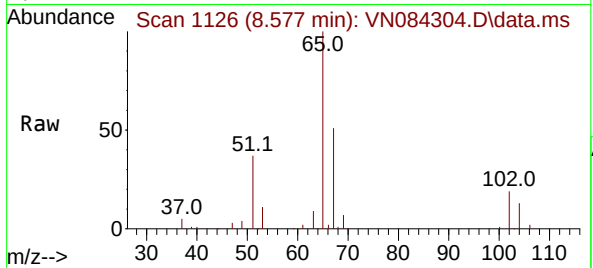




#33
 1,2-Dichloroethane-d4
 Concen: 49.847 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084304.D
 Acq: 03 Oct 2024 17:27

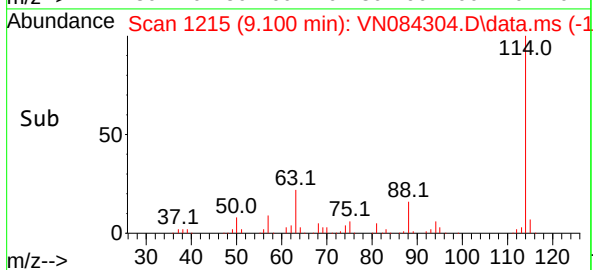
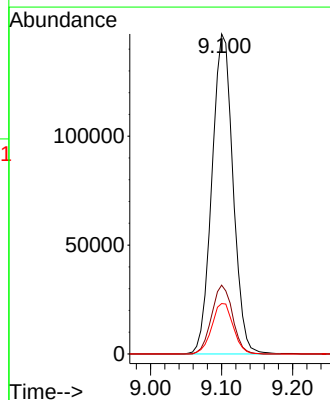
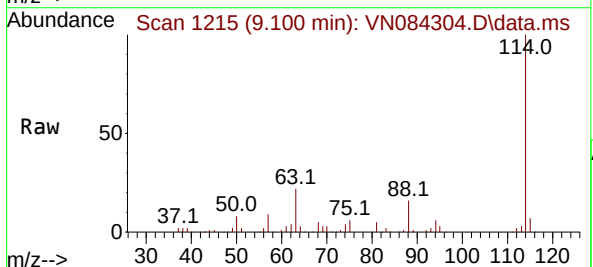
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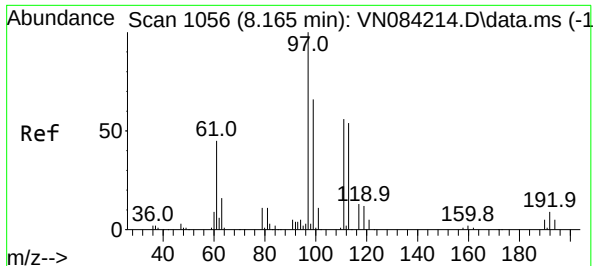
Tgt Ion: 65 Resp: 121347
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084304.D
 Acq: 03 Oct 2024 17:27

Tgt Ion: 114 Resp: 302561
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.8
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.555 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084304.D

Acq: 03 Oct 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

Chamberlain Ave

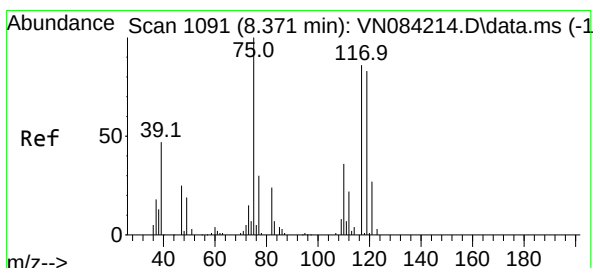
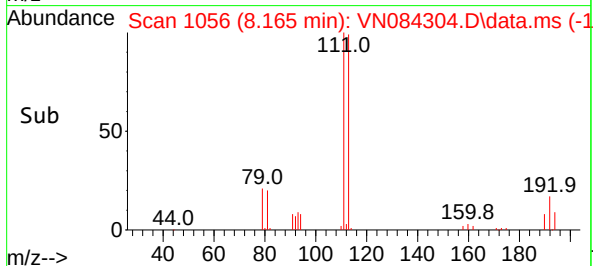
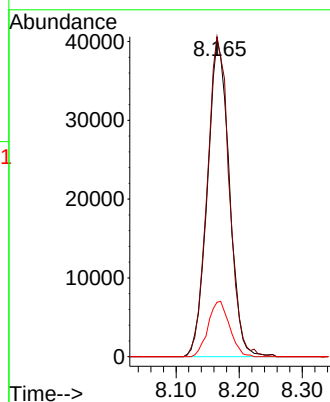
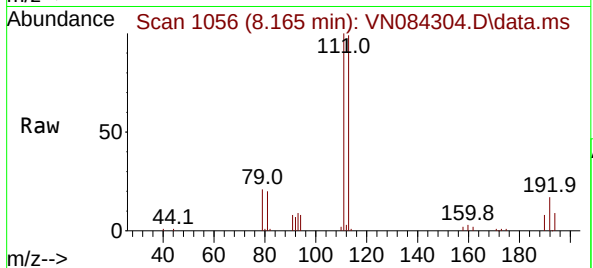
Tgt Ion:113 Resp: 96852

Ion Ratio Lower Upper

113 100

111 101.4 83.3 124.9

192 17.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.196 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084304.D

Acq: 03 Oct 2024 17:27

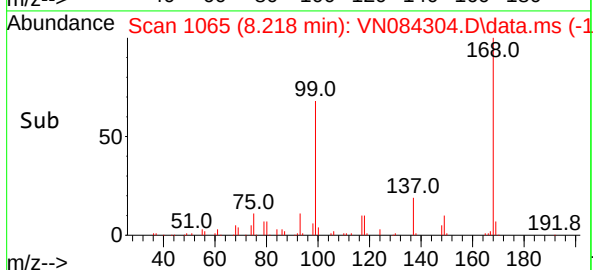
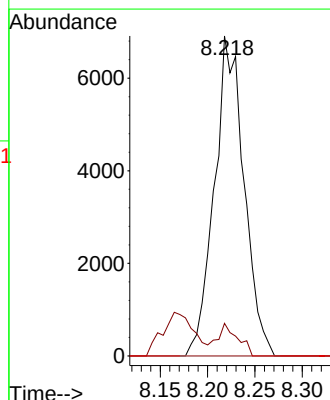
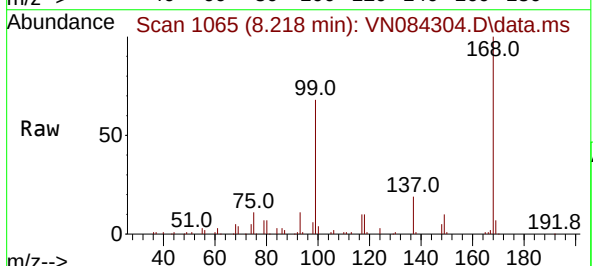
Tgt Ion: 75 Resp: 15054

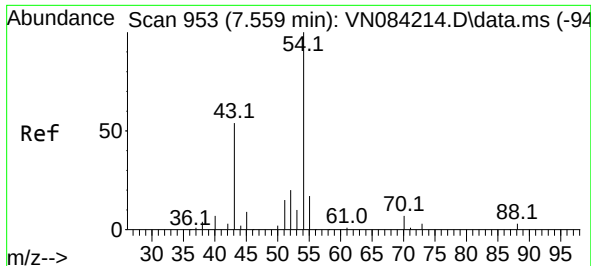
Ion Ratio Lower Upper

75 100

110 6.9 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.032 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN084304.D

Acq: 03 Oct 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

Chamberlain Ave

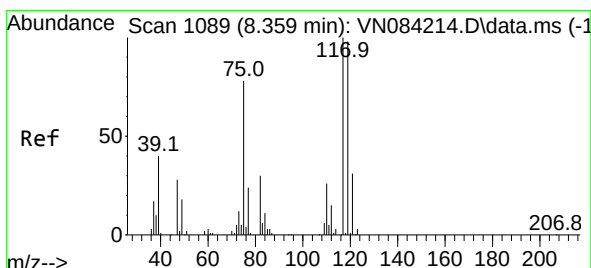
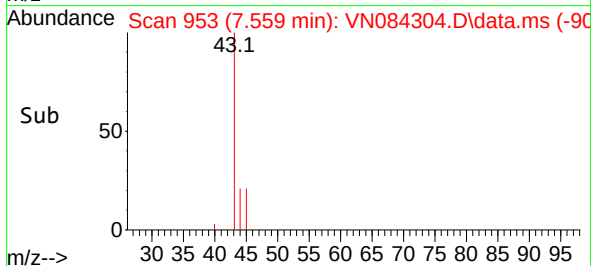
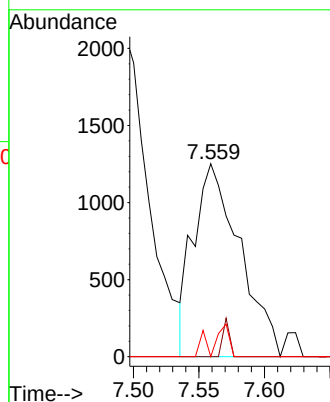
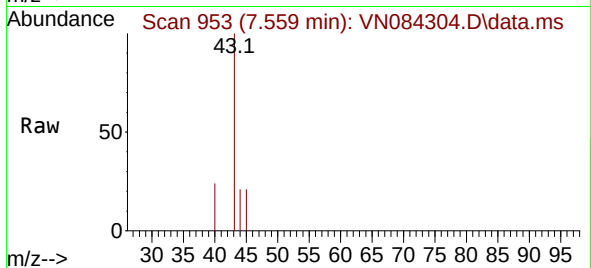
Tgt Ion: 43 Resp: 3068

Ion Ratio Lower Upper

43 100

61 2.9 10.7 16.1#

70 6.1 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084304.D

Acq: 03 Oct 2024 17:27

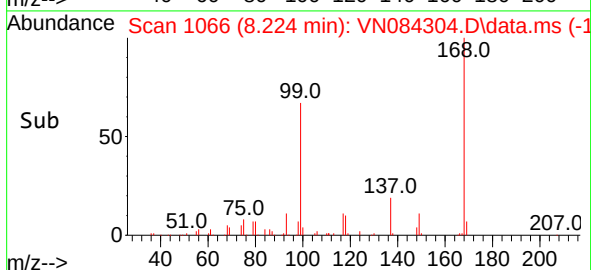
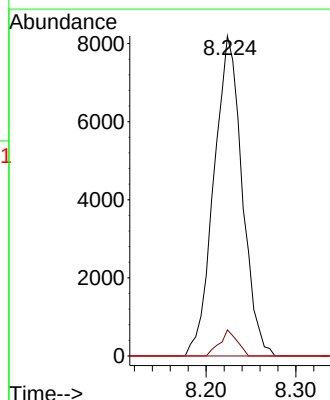
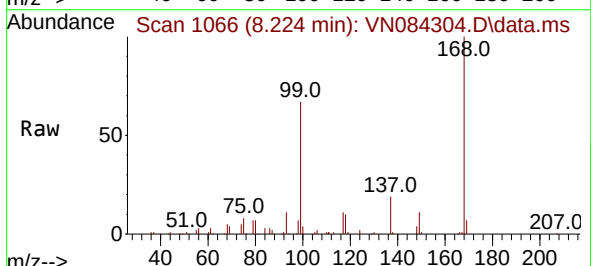
Tgt Ion: 117 Resp: 17917

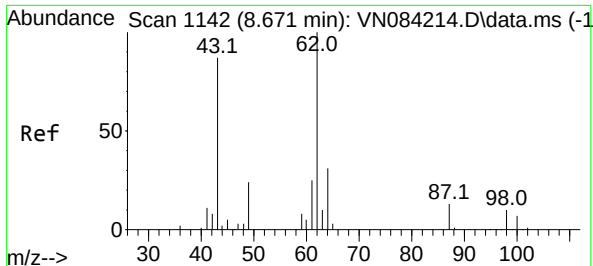
Ion Ratio Lower Upper

117 100

119 8.2 78.7 118.1#

121 0.0 24.4 36.6#

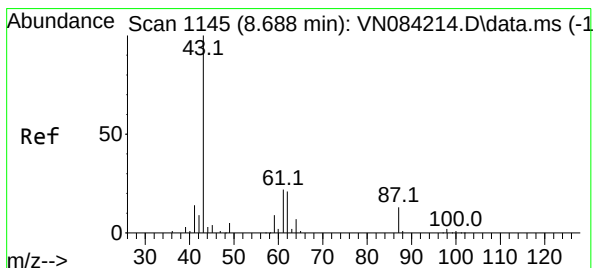
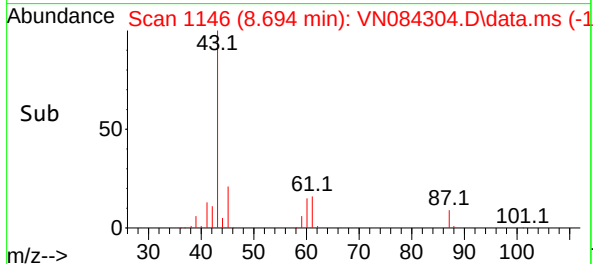
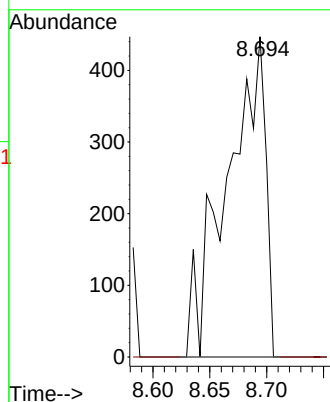
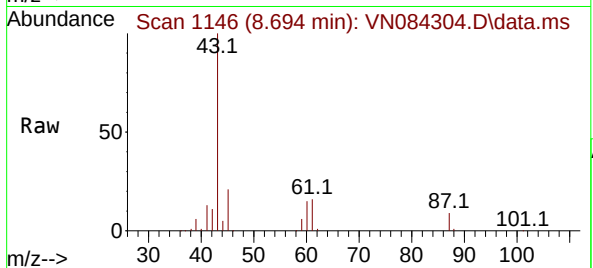




#42
1,2-Dichloroethane
Concen: 0.344 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

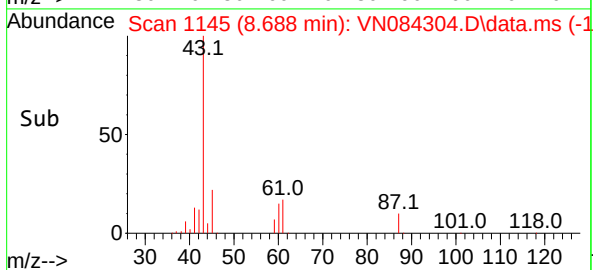
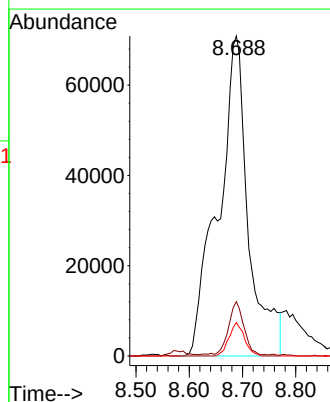
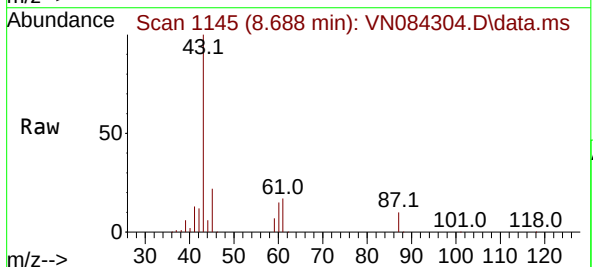
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

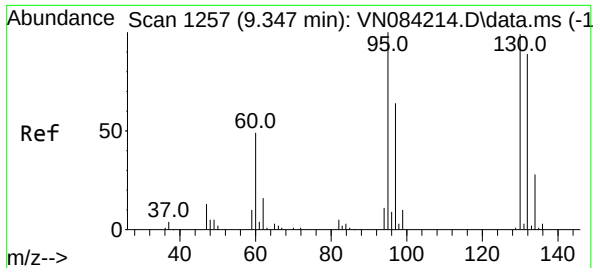
Tgt Ion: 62 Resp: 1053
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 47.942 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 43 Resp: 279120
Ion Ratio Lower Upper
43 100
61 8.7 20.4 30.6#
87 5.3 10.3 15.5#

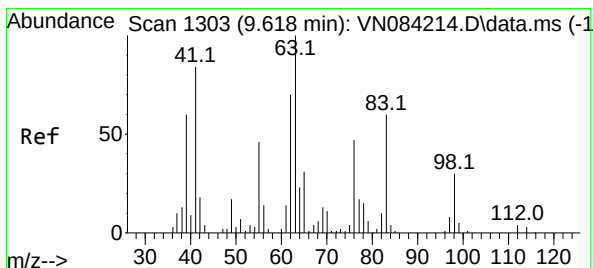
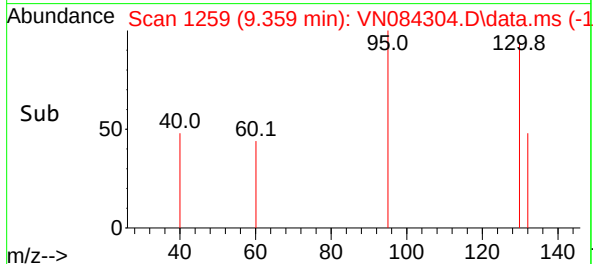
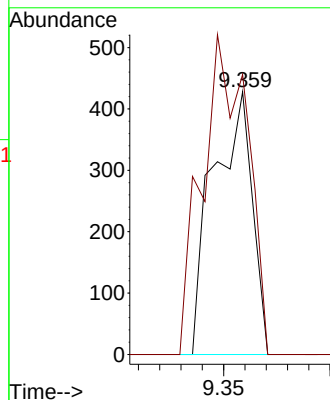
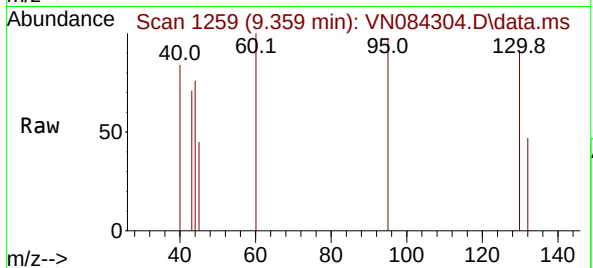




#44
Trichloroethene
Concen: 0.258 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

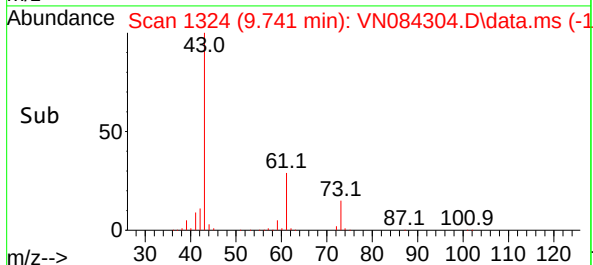
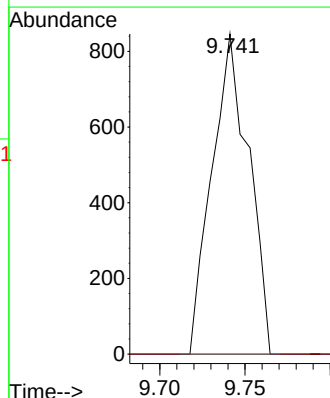
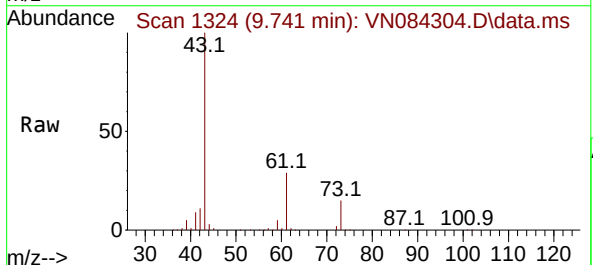
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

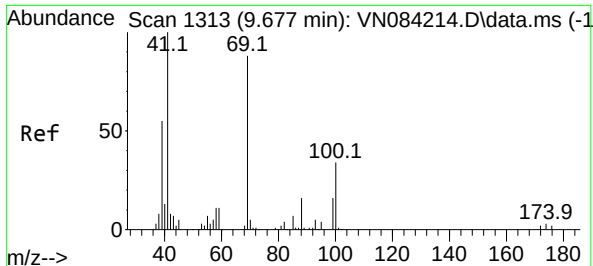
Tgt Ion:130 Resp: 544
Ion Ratio Lower Upper
130 100
95 106.5 0.0 203.0



#45
1,2-Dichloropropane
Concen: 0.596 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 63 Resp: 1273
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

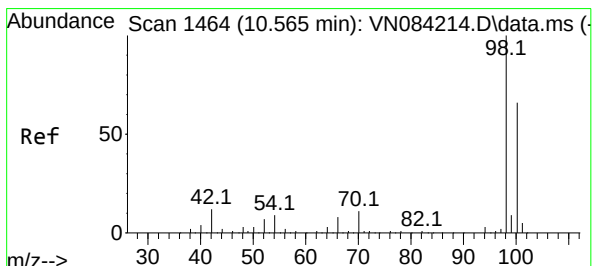
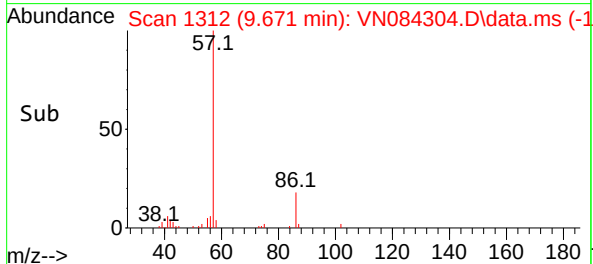
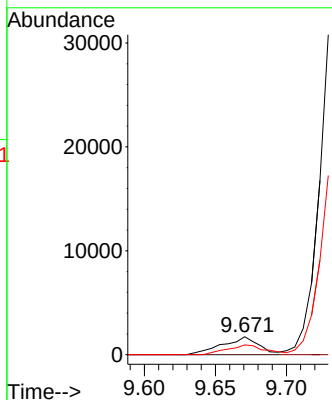
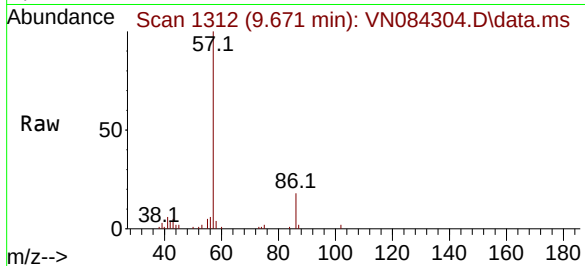




#48
Methyl methacrylate
Concen: 1.334 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

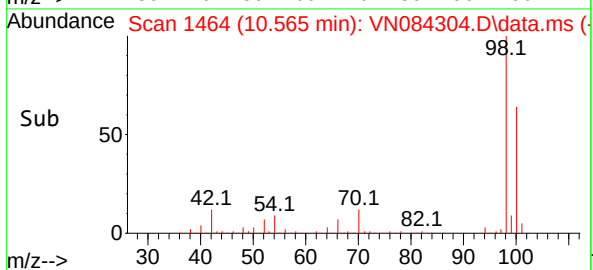
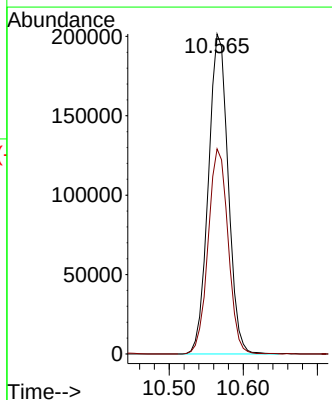
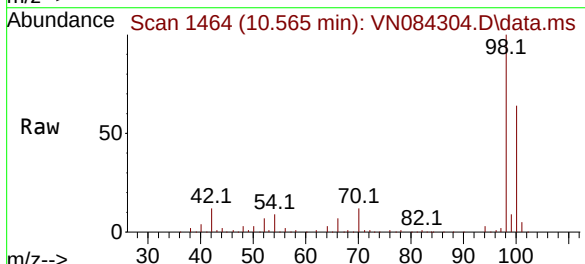
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

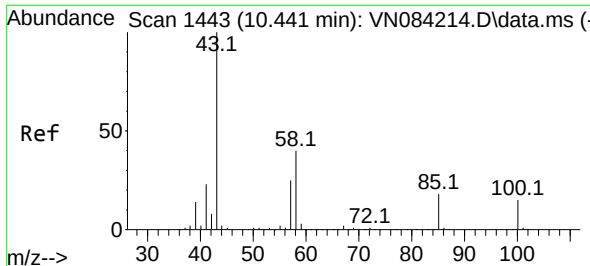
Tgt Ion: 41 Resp: 3091
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 56.9 45.8 68.6



#50
Toluene-d8
Concen: 50.867 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 98 Resp: 373293
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1

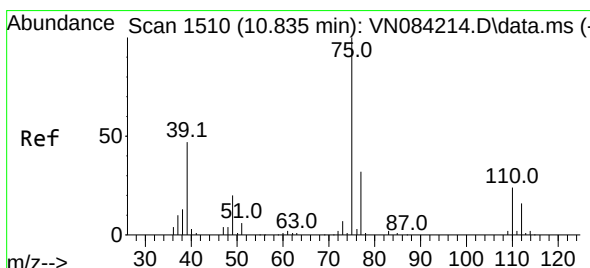
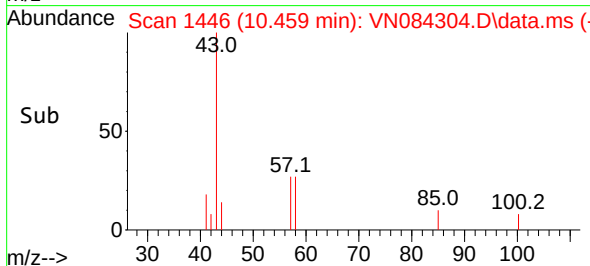
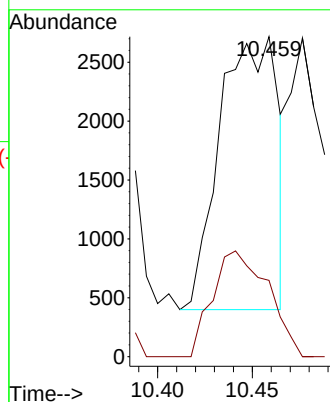
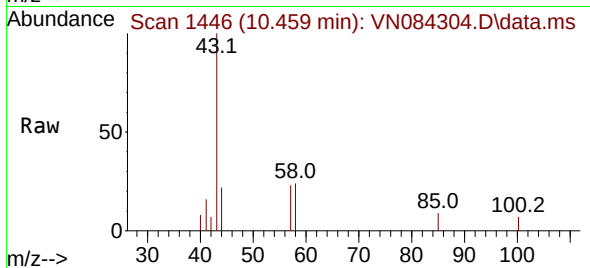




#51
4-Methyl-2-Pentanone
Concen: 1.743 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.018 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

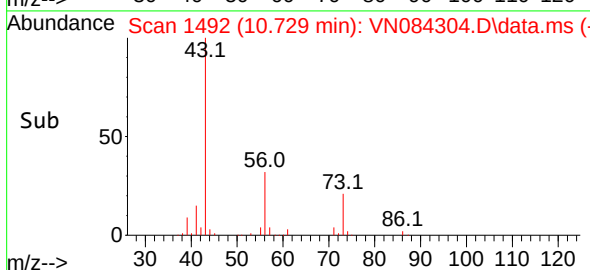
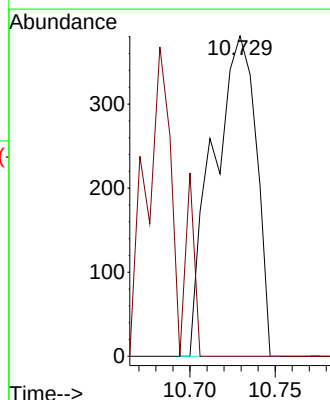
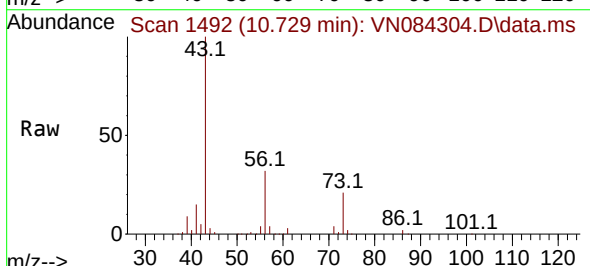
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

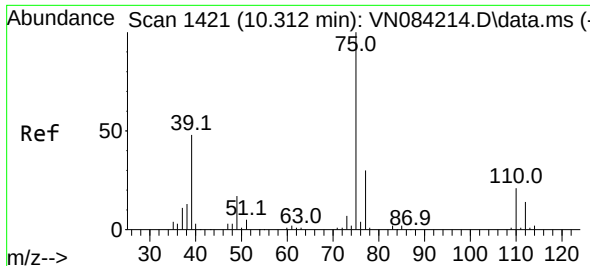
Tgt Ion: 43 Resp: 4932
Ion Ratio Lower Upper
43 100
58 37.2 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 75 Resp: 673
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

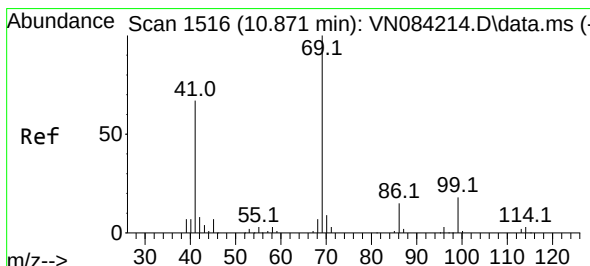
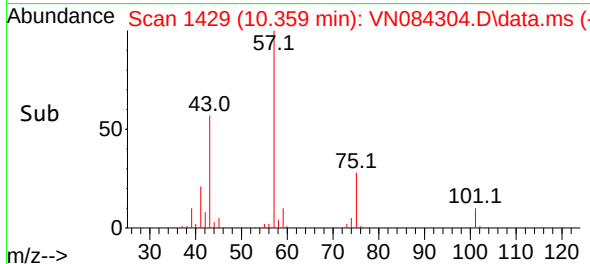
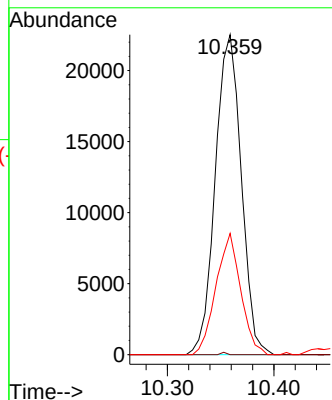
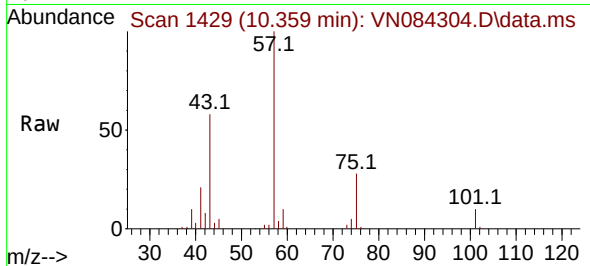




#54
 cis-1,3-Dichloropropene
 Concen: 10.847 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084304.D
 Acq: 03 Oct 2024 17:27

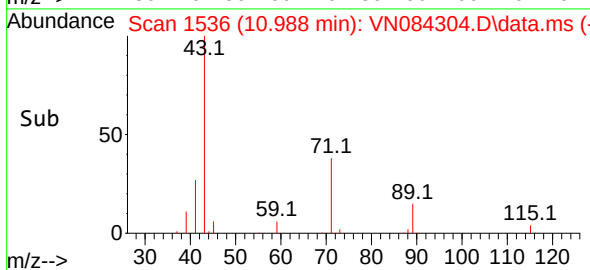
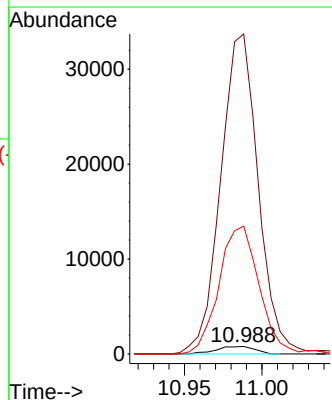
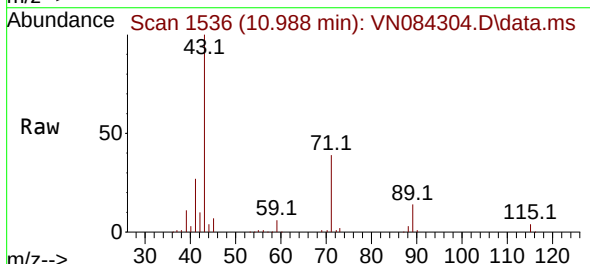
Instrument :
 MSVOA_N
 ClientSampleId :
 Chamberlain Ave

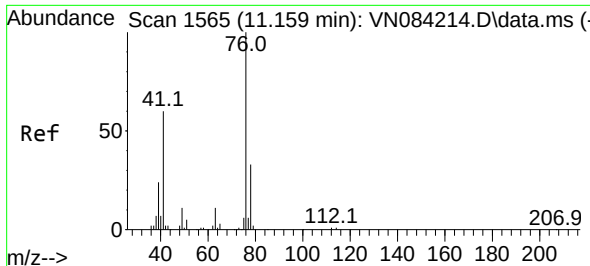
Tgt Ion: 75 Resp: 38077
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 37.9 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.418 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084304.D
 Acq: 03 Oct 2024 17:27

Tgt Ion: 69 Resp: 1358
 Ion Ratio Lower Upper
 69 100
 41 4196.3 53.3 79.9#
 39 1796.2 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.339 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084304.D

Acq: 03 Oct 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

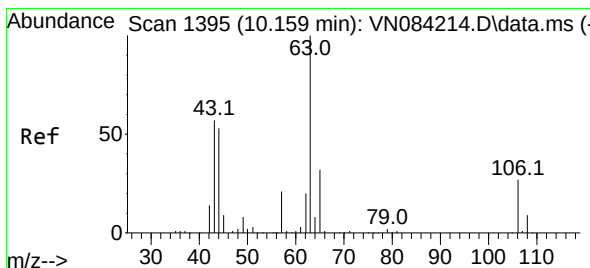
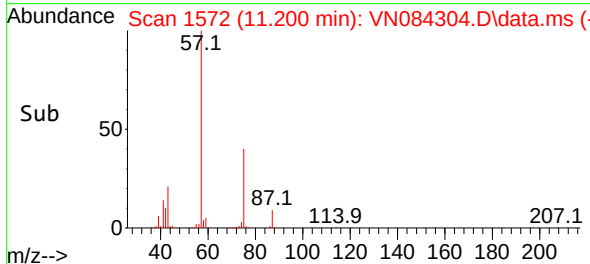
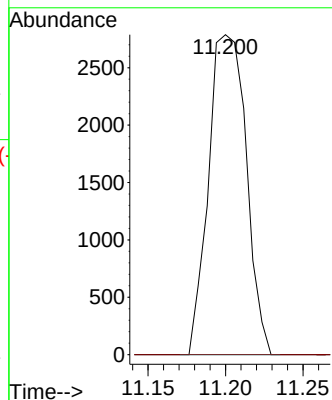
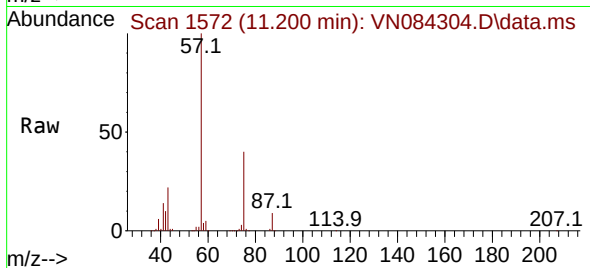
Chamberlain Ave

Tgt Ion: 76 Resp: 4720

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#58

2-Chloroethyl Vinyl ether

Concen: 0.829 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN084304.D

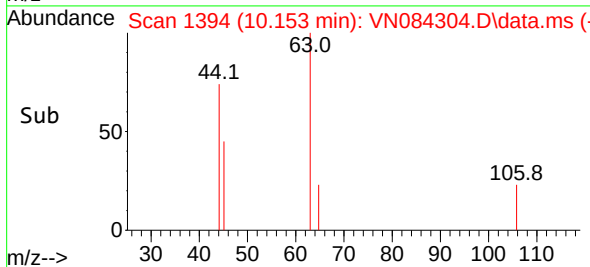
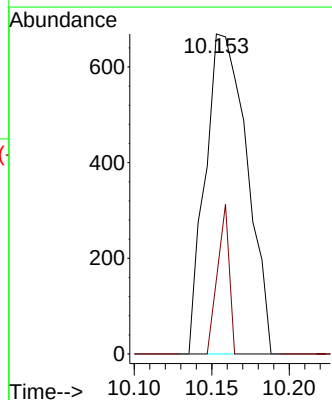
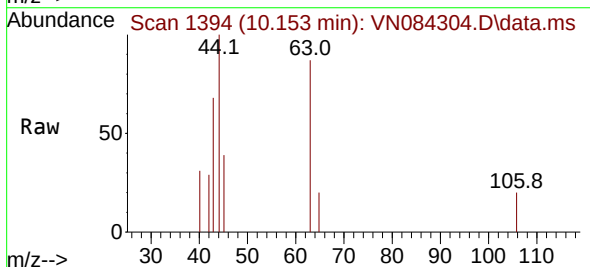
Acq: 03 Oct 2024 17:27

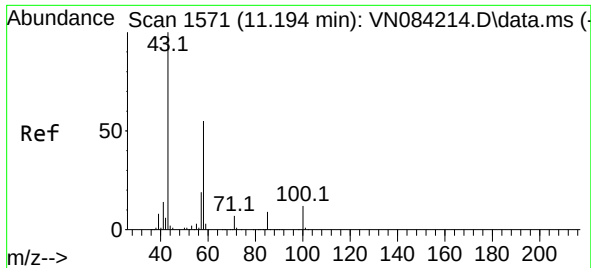
Tgt Ion: 63 Resp: 1249

Ion Ratio Lower Upper

63 100

106 13.2 21.8 32.6#

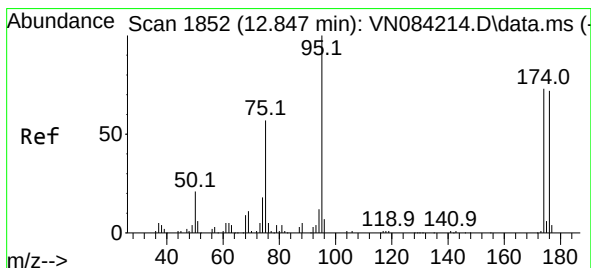
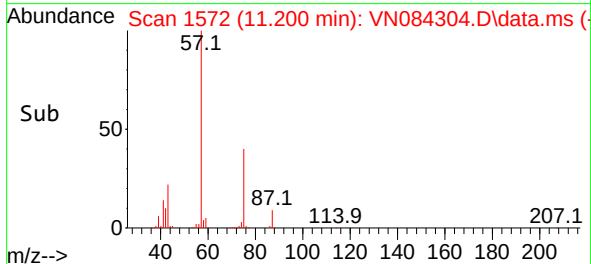
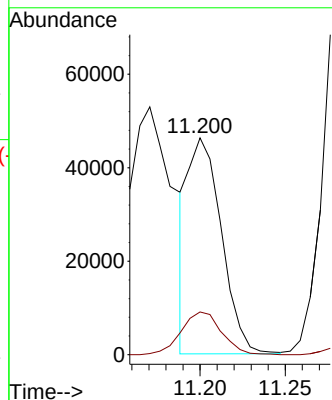
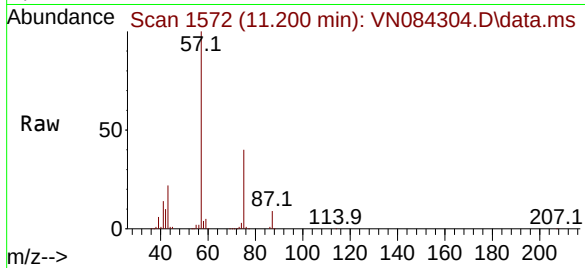




#59
2-Hexanone
Concen: 29.768 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

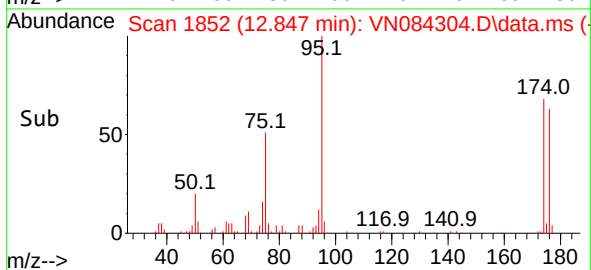
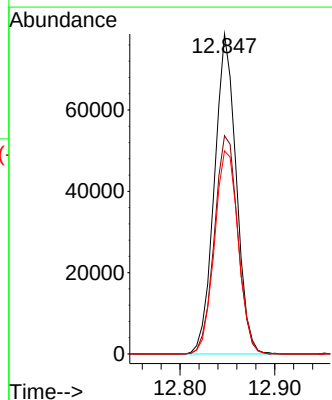
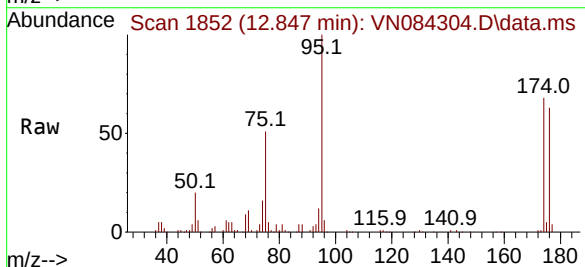
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

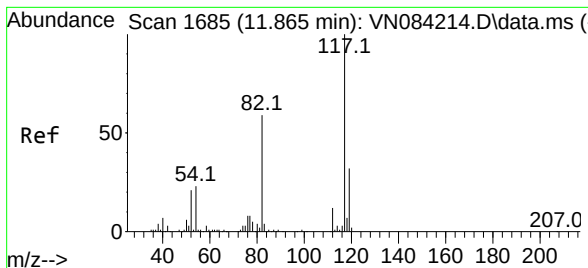
Tgt Ion: 43 Resp: 62955
Ion Ratio Lower Upper
43 100
58 24.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.179 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 95 Resp: 126134
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.2
176 69.3 0.0 140.0

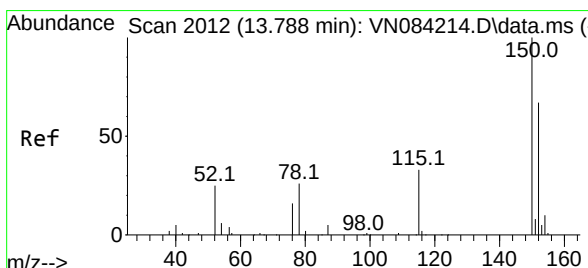
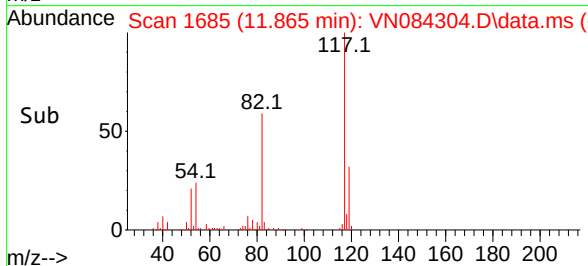
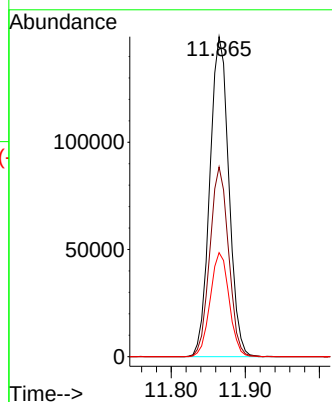
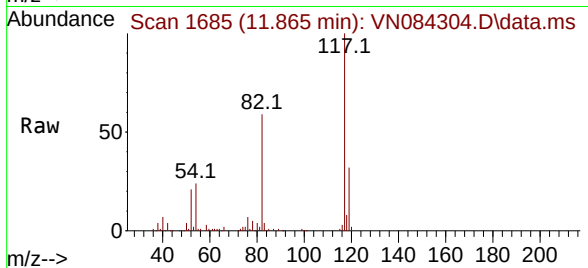




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

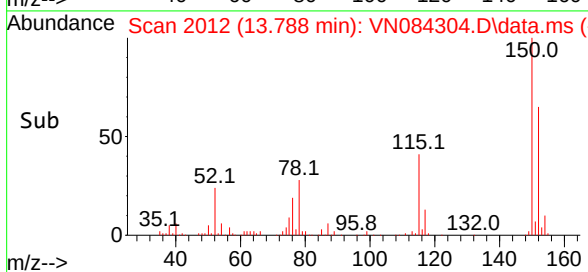
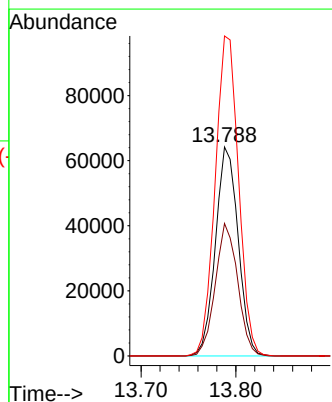
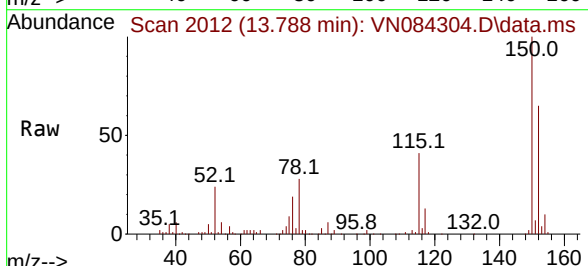
Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

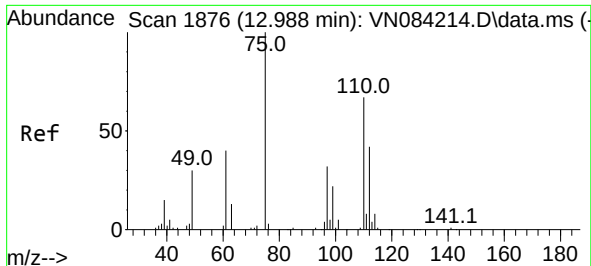
Tgt Ion:117 Resp: 265786
Ion Ratio Lower Upper
117 100
82 59.3 47.2 70.8
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion:152 Resp: 107062
Ion Ratio Lower Upper
152 100
115 62.5 31.3 93.9
150 157.4 0.0 349.8

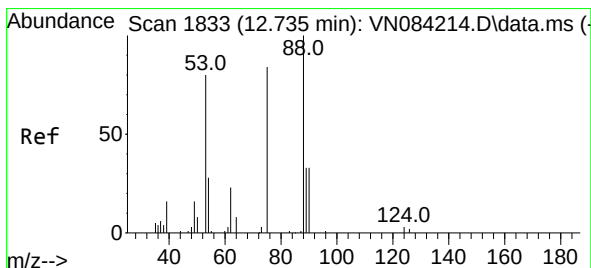
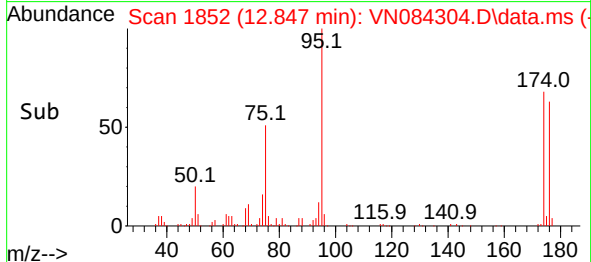
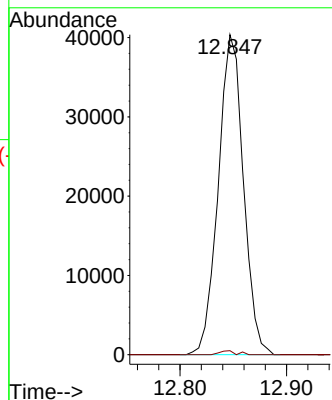
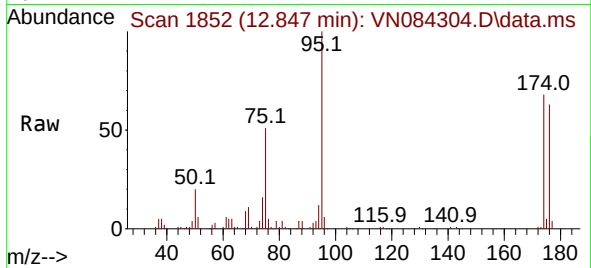




#76
1,2,3-Trichloropropane
Concen: 30.224 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :
Chamberlain Ave

Tgt Ion: 75 Resp: 66061
Ion Ratio Lower Upper
75 100
77 0.8 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.461 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084304.D
Acq: 03 Oct 2024 17:27

Tgt Ion: 75 Resp: 66061
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#

