

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074863.D
 Acq On : 11 Oct 2022 21:51
 Operator : JC\MD
 Sample : PB148255ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#12

Quant Time: Oct 12 04:00:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

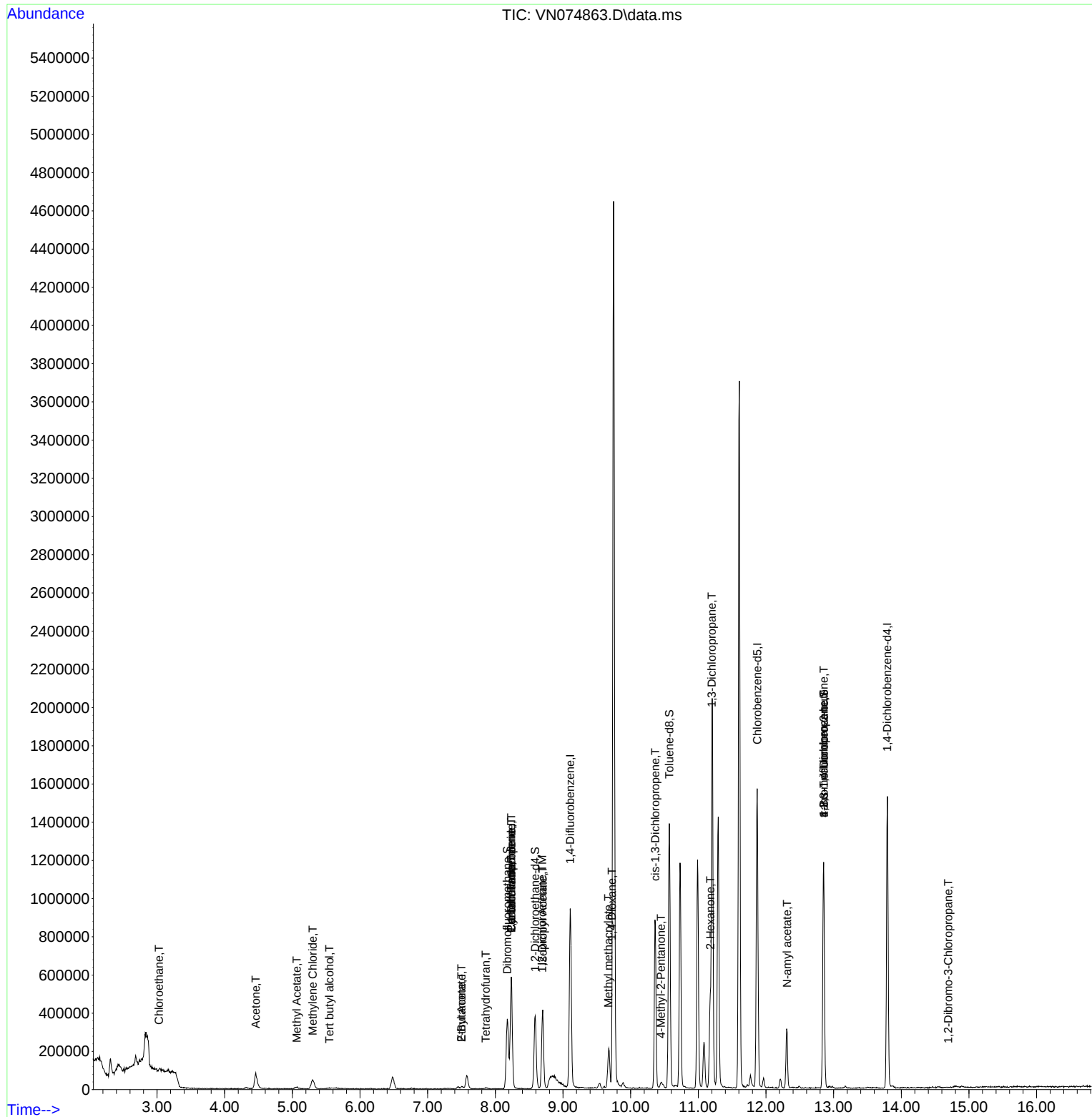
Internal Standards						
1) Pentafluorobenzene	8.236	168	388561	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	786062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	859683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	378941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	286963	31.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	62.340%	#	
35) Dibromofluoromethane	8.177	113	259058	32.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	65.240%	#	
50) Toluene-d8	10.571	98	944043	27.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	55.400%	#	
62) 4-Bromofluorobenzene	12.853	95	368284	35.551	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	71.100%	#	
Target Compounds			Qvalue			
6) Chloroethane	3.030	64	12431	1.145	ug/l	# 52
11) Tert butyl alcohol	5.547	59	6074	1.970	ug/l	# 78
13) Acrolein	4.195	56	399	Below Cal	#	58
16) Acetone	4.459	43	146509	28.081	ug/l	100
18) Methyl Acetate	5.065	43	24152	1.250	ug/l	98
20) Methylene Chloride	5.300	84	35840	2.195	ug/l	# 85
25) 2-Butanone	7.500	43	16268	1.718	ug/l	# 84
29) Tetrahydrofuran	7.859	42	3947	0.598	ug/l	# 75
31) Cyclohexane	8.236	56	14631	0.919	ug/l	# 65
36) 1,1-Dichloropropene	8.236	75	39279	3.056	ug/l	# 50
37) Ethyl Acetate	7.500	43	16268	0.316	ug/l	# 86
38) Carbon Tetrachloride	8.236	117	43956	3.626	ug/l	# 17
42) 1,2-Dichloroethane	8.694	62	2847	0.218	ug/l	# 74
43) Isopropyl Acetate	8.700	43	462885	14.527	ug/l	# 92
48) Methyl methacrylate	9.671	41	13605	1.040	ug/l	# 87
49) 1,4-Dioxane	9.724	88	250	0.882	ug/l	# 24
51) 4-Methyl-2-Pentanone	10.447	43	20079	0.979	ug/l	90
54) cis-1,3-Dichloropropene	10.365	75	152607	8.782	ug/l	# 66
57) 1,3-Dichloropropane	11.200	76	18985	1.048	ug/l	# 43
59) 2-Hexanone	11.177	43	356861	22.993	ug/l	# 24
74) N-amyl acetate	12.312	43	107520	4.877	ug/l	# 53
75) 1,1,2,2-Tetrachloroethane	12.953	83	184	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	216383	19.131	ug/l	# 1
77) Bromobenzene	12.841	156	55	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	216383	37.275	ug/l	# 15
92) 1,2-Dibromo-3-Chloropr...	14.694	75	738	0.244	ug/l	# 3

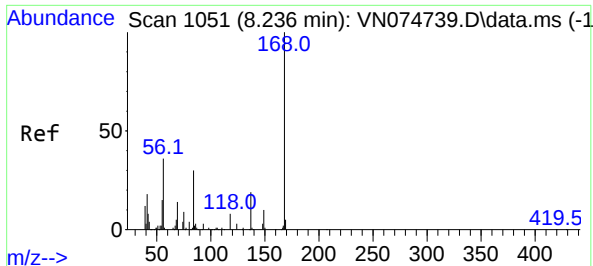
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

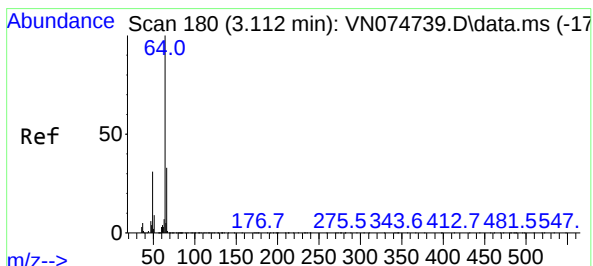
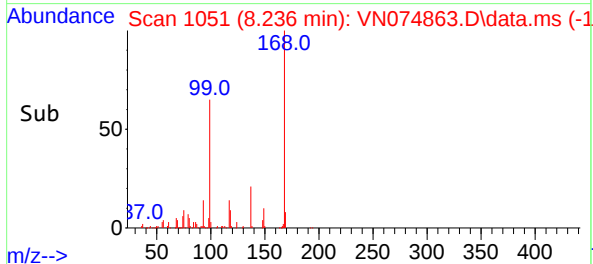
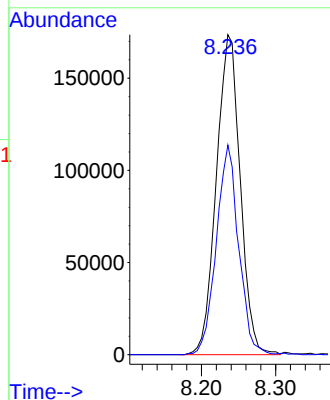
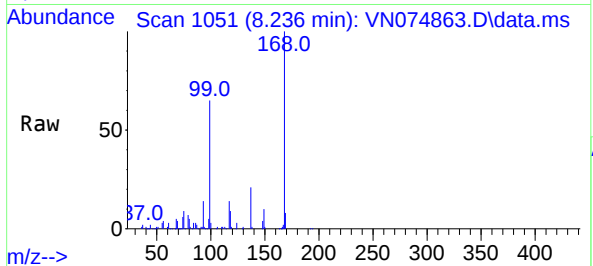




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

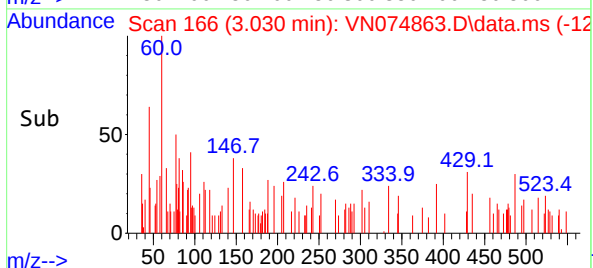
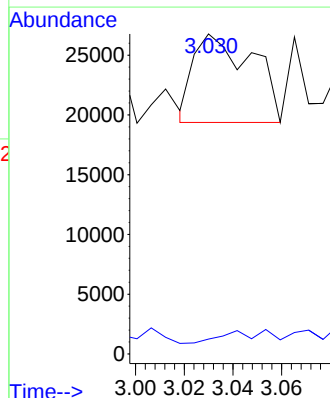
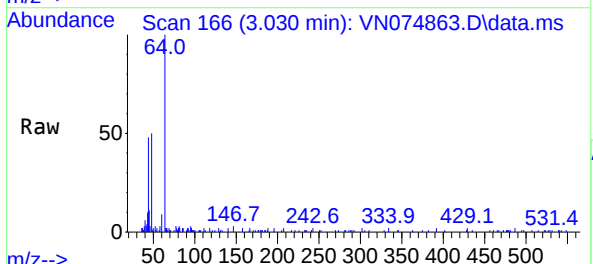
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

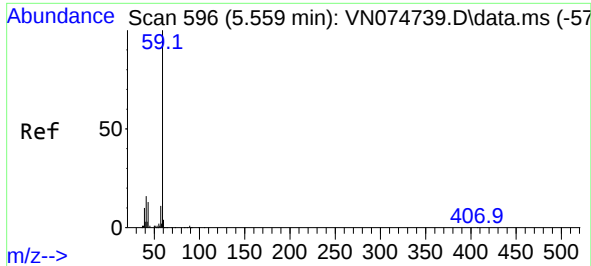
Tgt Ion:168 Resp: 388561
Ion Ratio Lower Upper
168 100
99 65.5 42.8 64.2#



#6
Chloroethane
Concen: 1.145 ug/l
RT: 3.030 min Scan# 166
Delta R.T. -0.082 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 64 Resp: 12431
Ion Ratio Lower Upper
64 100
66 5.0 25.1 37.7#

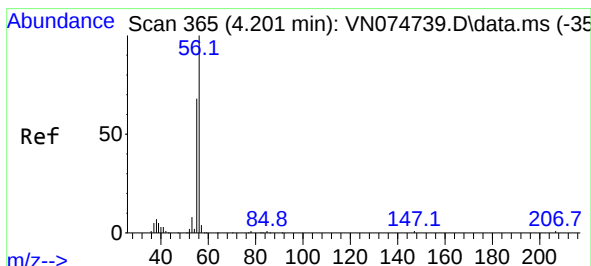
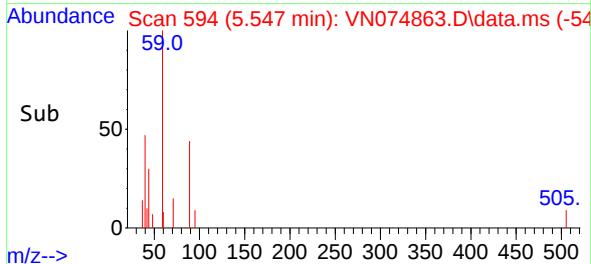
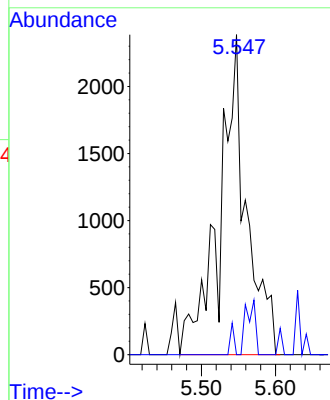
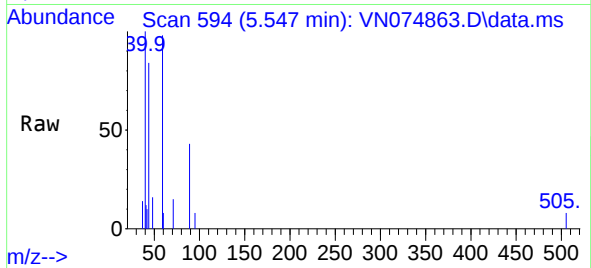




#11
Tert butyl alcohol
Concen: 1.970 ug/l
RT: 5.547 min Scan# 59
Delta R.T. -0.012 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

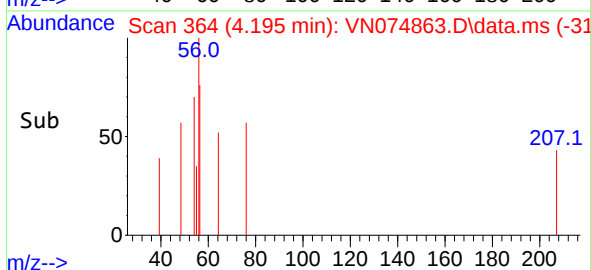
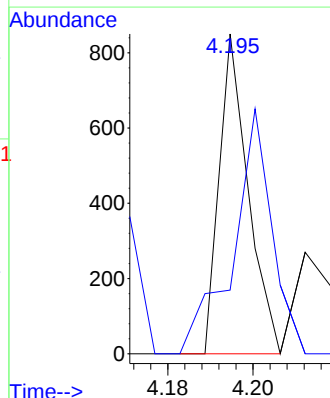
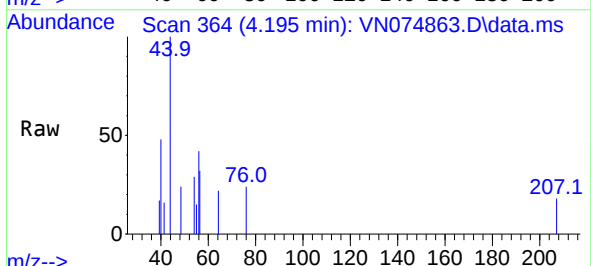
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

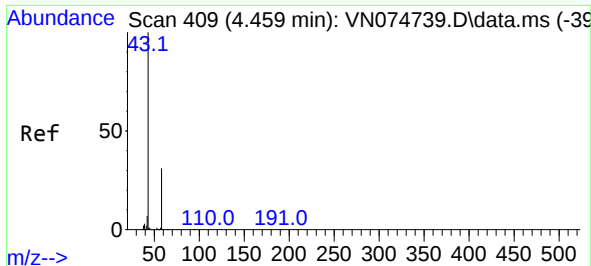
Tgt Ion: 59 Resp: 6074
Ion Ratio Lower Upper
59 100
57 1.4 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 364
Delta R.T. -0.006 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 56 Resp: 399
Ion Ratio Lower Upper
56 100
55 102.8 54.9 82.3#

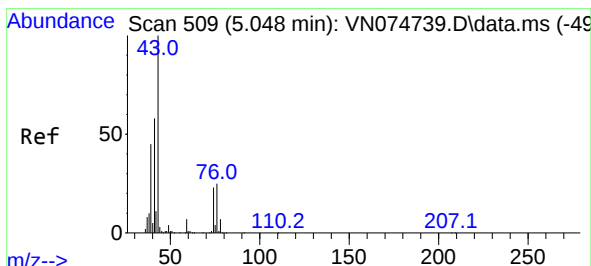
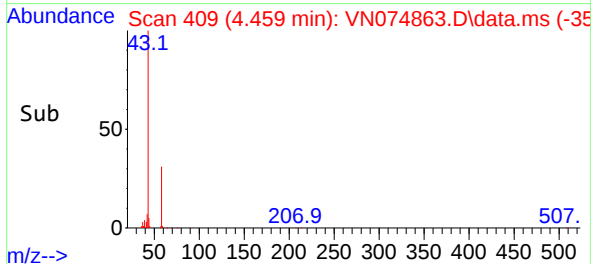
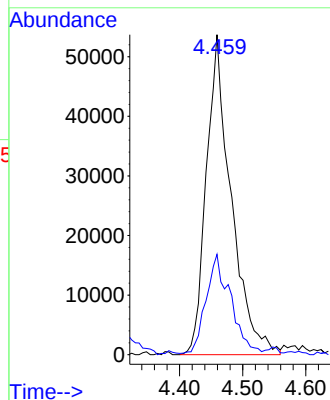
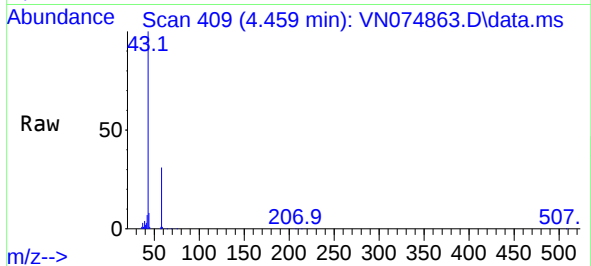




#16
Acetone
Concen: 28.081 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

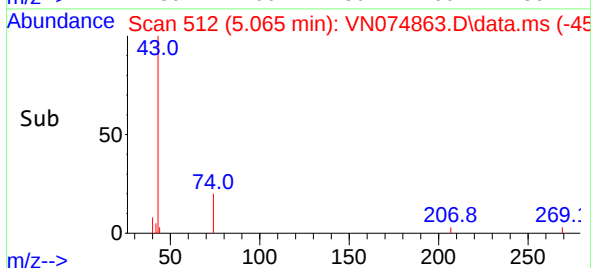
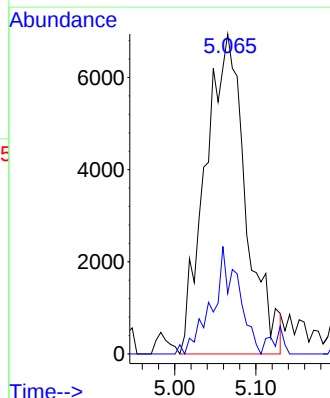
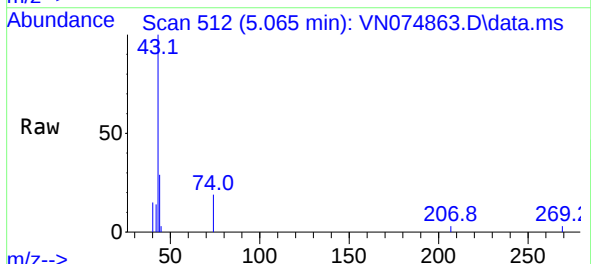
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

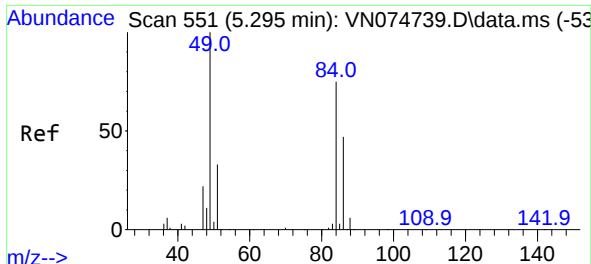
Tgt Ion: 43 Resp: 146509
Ion Ratio Lower Upper
43 100
58 30.9 24.9 37.3



#18
Methyl Acetate
Concen: 1.250 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.018 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

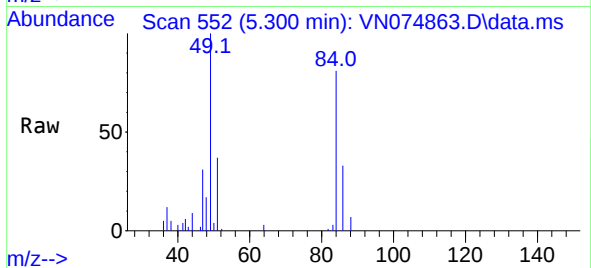
Tgt Ion: 43 Resp: 24152
Ion Ratio Lower Upper
43 100
74 21.9 18.5 27.7



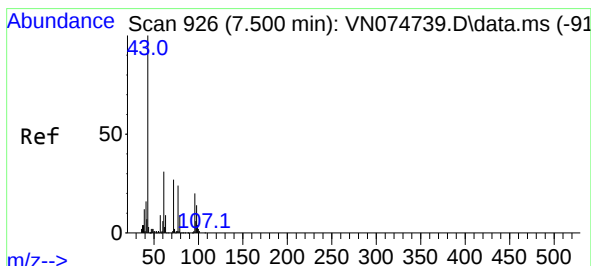
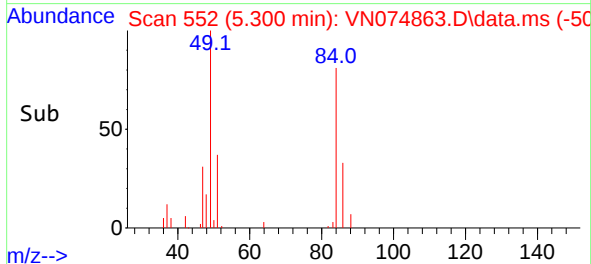
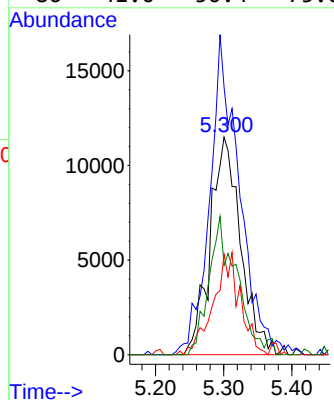


#20
Methylene Chloride
Concen: 2.195 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

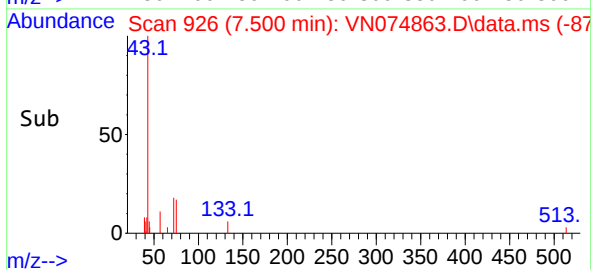
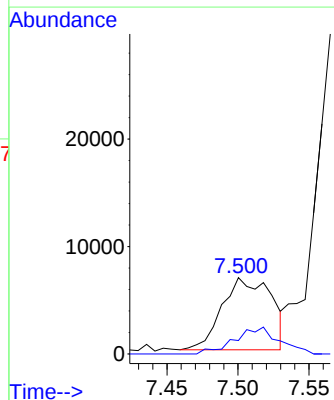
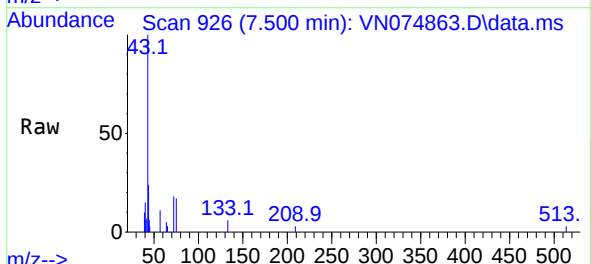


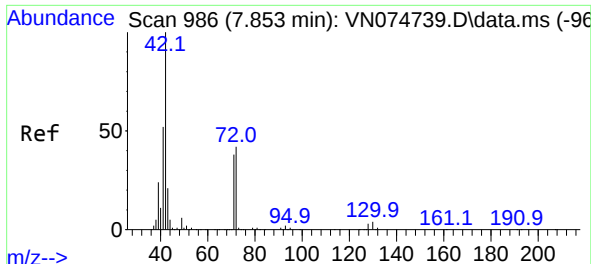
Tgt Ion: 84 Resp: 35840
Ion Ratio Lower Upper
84 100
49 119.5 107.4 161.0
51 46.1 35.1 52.7
86 41.0 50.4 75.6#



#25
2-Butanone
Concen: 1.718 ug/l
RT: 7.500 min Scan# 926
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 43 Resp: 16268
Ion Ratio Lower Upper
43 100
72 18.6 21.4 32.0#

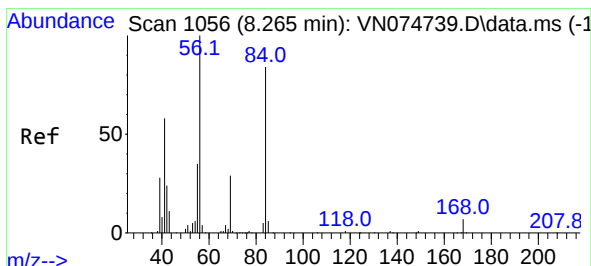
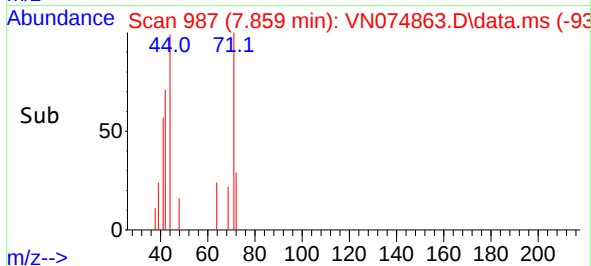
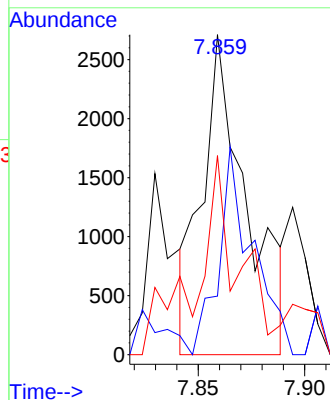
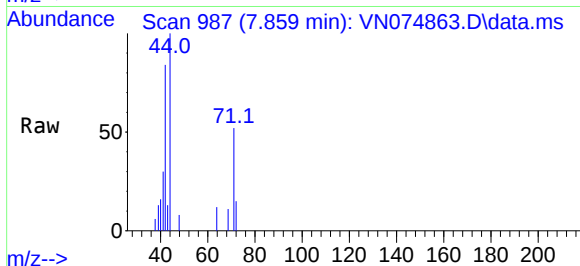




#29
Tetrahydrofuran
Concen: 0.598 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

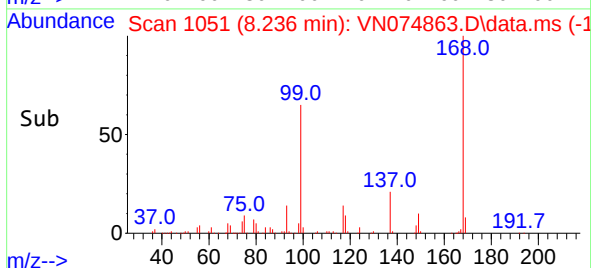
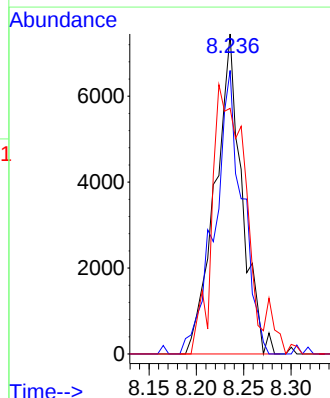
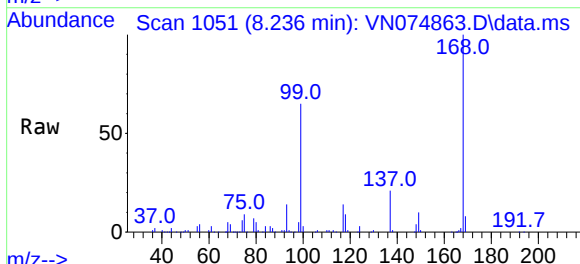
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MSVOA_N
ClientSampleId :
PB148255ZHE#12

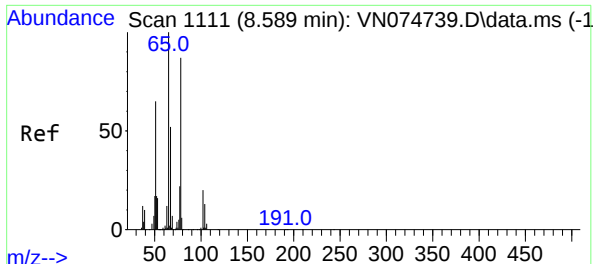
Tgt Ion:	42	Resp:	3947
Ion	Ratio	Lower	Upper
42	100		
72	48.7	33.0	49.6
71	61.6	30.4	45.6#



#31
Cyclohexane
Concen: 0.919 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion:	56	Resp:	14631
Ion	Ratio	Lower	Upper
56	100		
69	88.6	23.1	34.7#
84	76.8	67.1	100.7





#33

1,2-Dichloroethane-d4

Concen: 31.169 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074863.D

Acq: 11 Oct 2022 21:51

Instrument :

MSVOA_N

ClientSampleId :

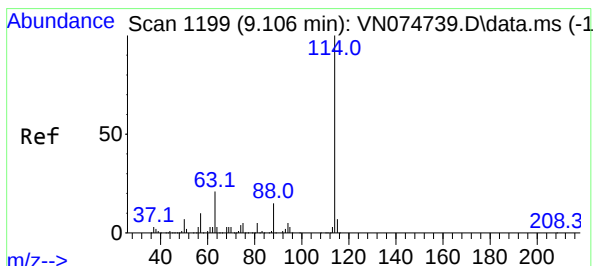
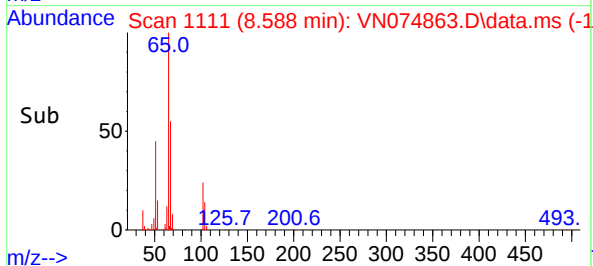
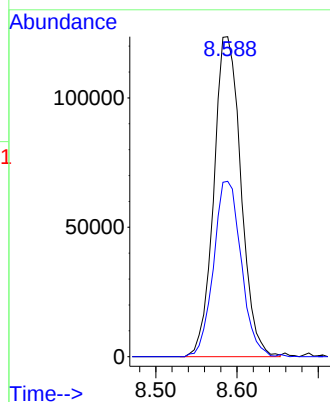
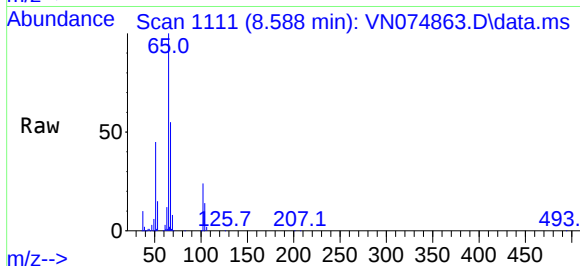
PB148255ZHE#12

Tgt Ion: 65 Resp: 286963

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074863.D

Acq: 11 Oct 2022 21:51

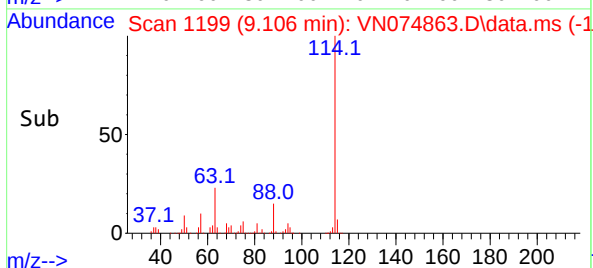
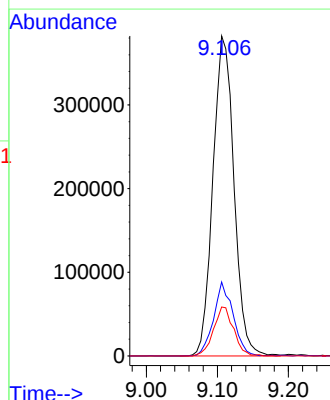
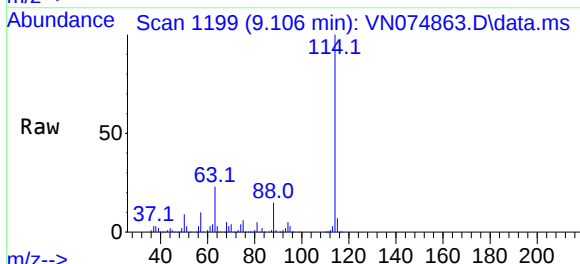
Tgt Ion: 114 Resp: 786062

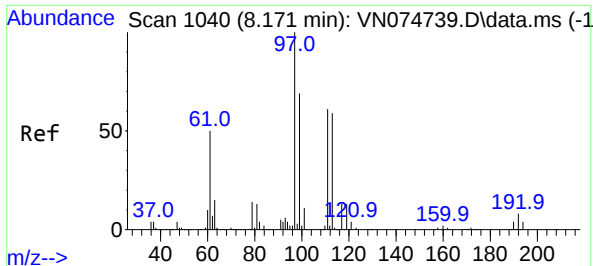
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.2

88 15.3 0.0 30.2

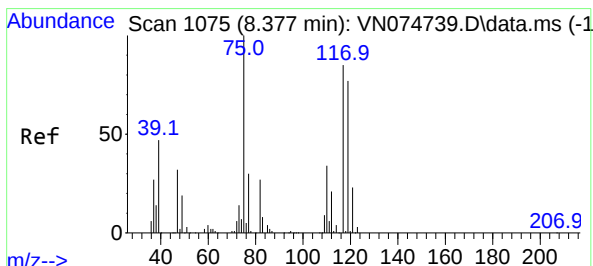
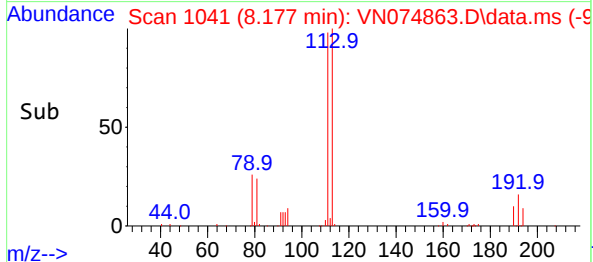
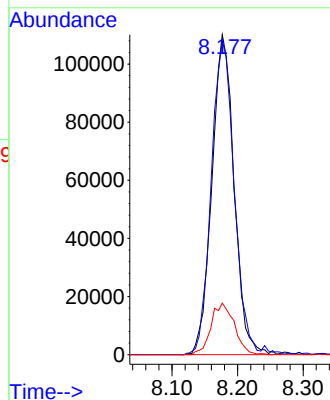
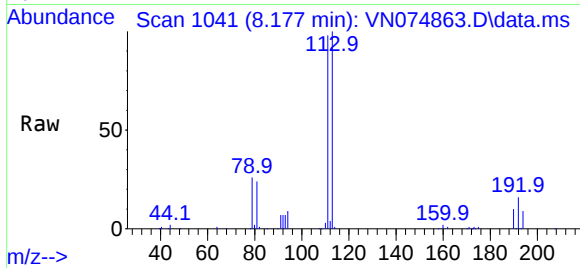




#35
Dibromofluoromethane
Concen: 32.619 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

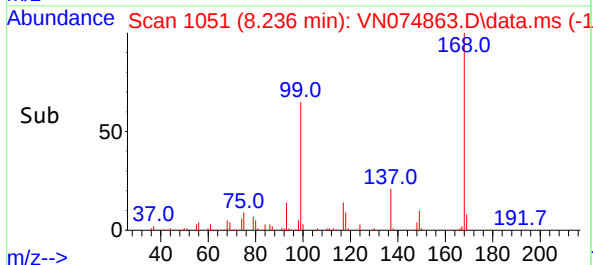
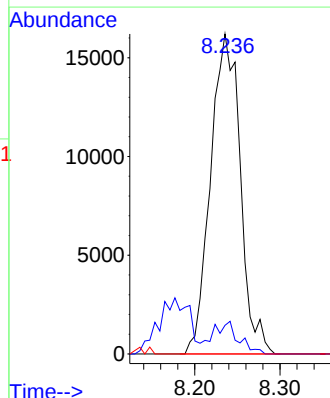
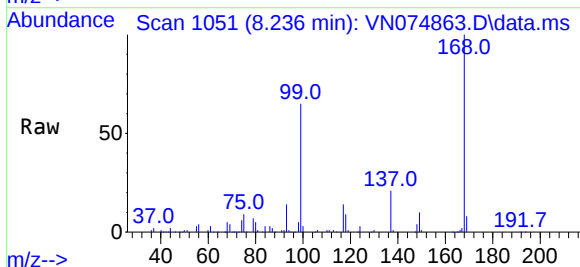
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

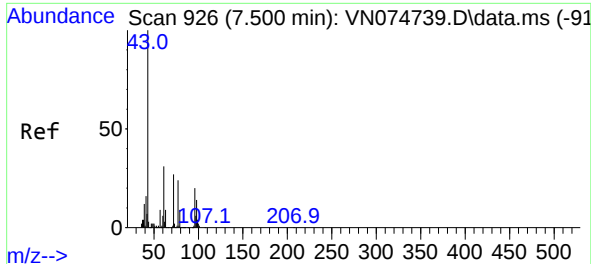
Tgt Ion:113 Resp: 259058
Ion Ratio Lower Upper
113 100
111 100.5 83.0 124.6
192 16.9 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.056 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 75 Resp: 39279
Ion Ratio Lower Upper
75 100
110 8.7 17.2 51.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.316 ug/l

RT: 7.500 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN074863.D

Acq: 11 Oct 2022 21:51

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#12

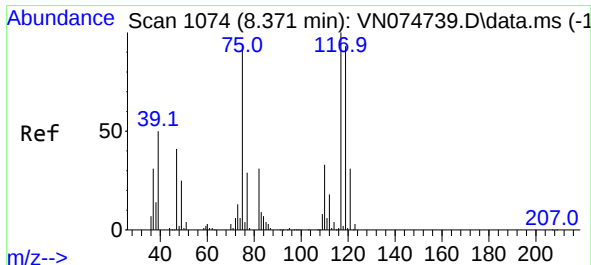
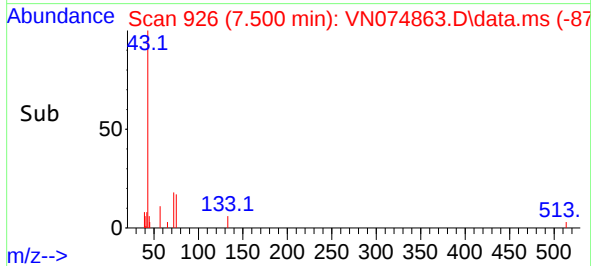
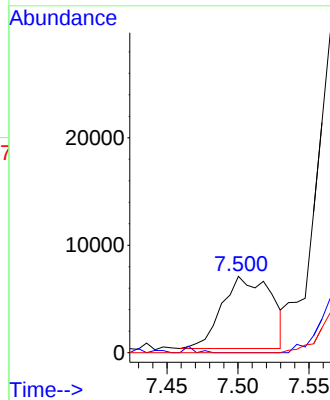
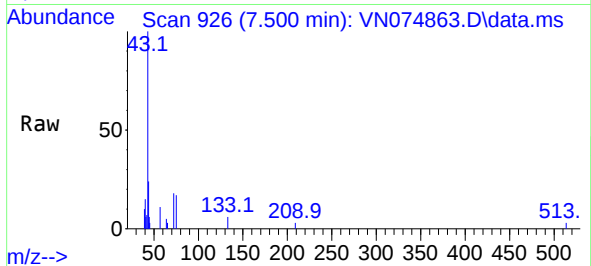
Tgt Ion: 43 Resp: 16268

Ion Ratio Lower Upper

43 100

61 0.0 4.3 6.5#

70 0.0 3.0 4.4#



#38

Carbon Tetrachloride

Concen: 3.626 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.135 min

Lab File: VN074863.D

Acq: 11 Oct 2022 21:51

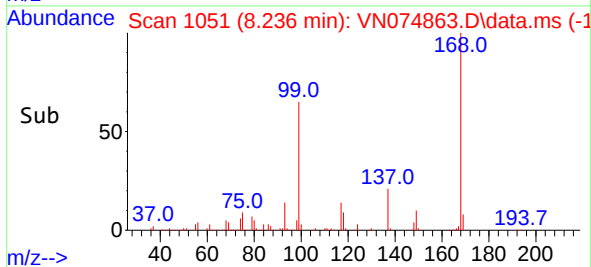
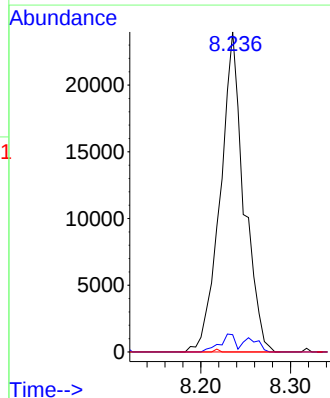
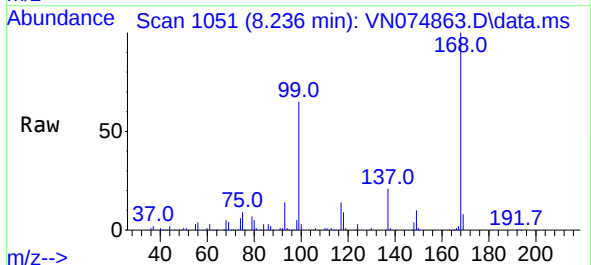
Tgt Ion: 117 Resp: 43956

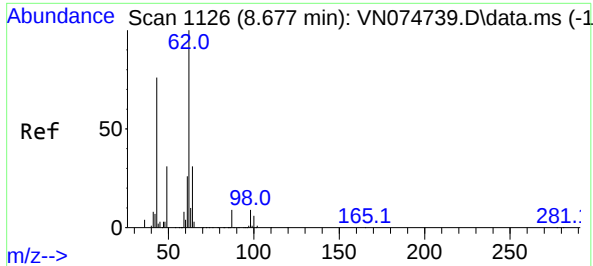
Ion Ratio Lower Upper

117 100

119 5.4 74.3 111.5#

121 0.0 25.0 37.4#

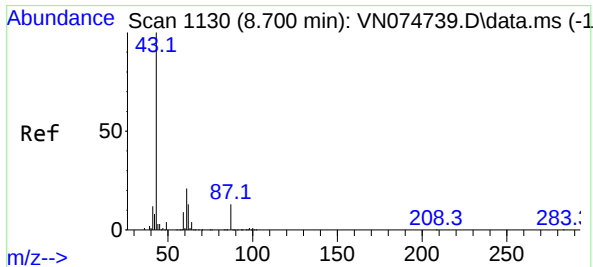
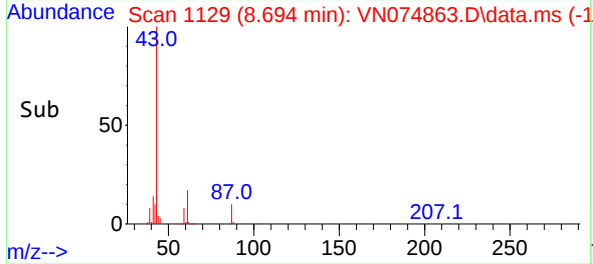
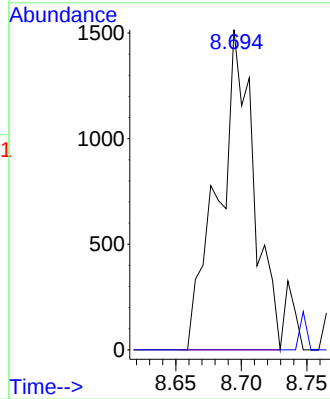
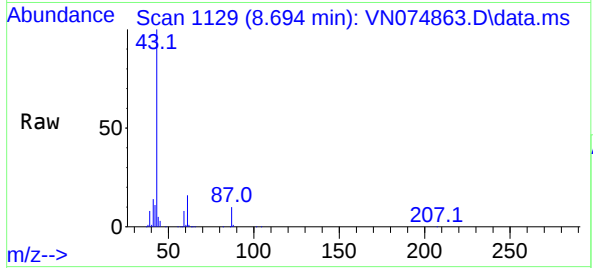




#42
 1,2-Dichloroethane
 Concen: 0.218 ug/l
 RT: 8.694 min Scan# 1129
 Delta R.T. 0.018 min
 Lab File: VN074863.D
 Acq: 11 Oct 2022 21:51

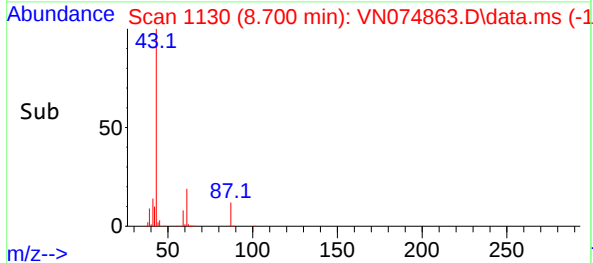
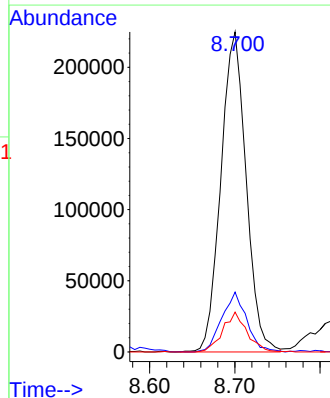
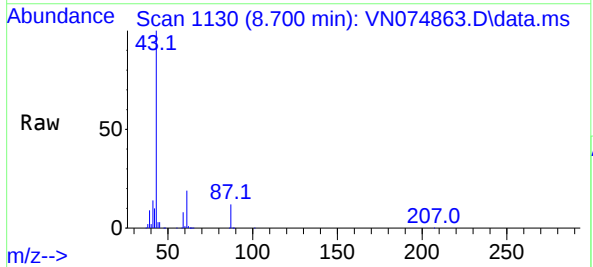
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#12

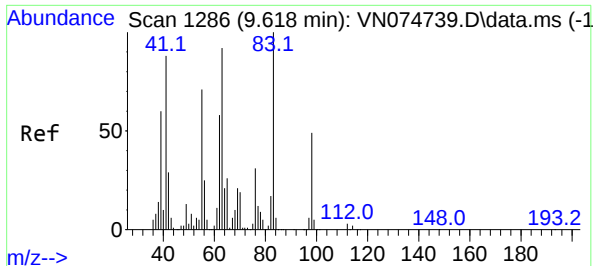
Tgt Ion: 62 Resp: 2847
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 19.4



#43
 Isopropyl Acetate
 Concen: 14.527 ug/l
 RT: 8.700 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN074863.D
 Acq: 11 Oct 2022 21:51

Tgt Ion: 43 Resp: 462885
 Ion Ratio Lower Upper
 43 100
 61 18.4 19.4 29.0#
 87 11.9 10.1 15.1





#48

Methyl methacrylate

Concen: 1.040 ug/l

RT: 9.671 min Scan# 1304

Delta R.T. 0.053 min

Lab File: VN074863.D

Acq: 11 Oct 2022 21:51

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#12

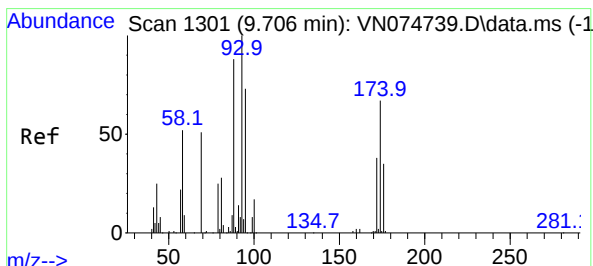
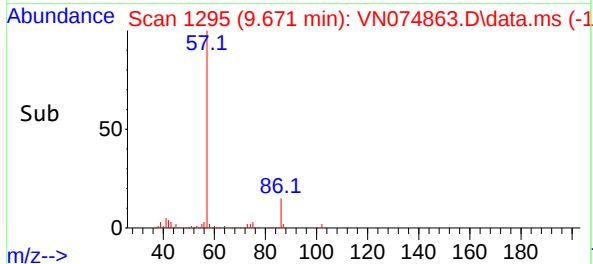
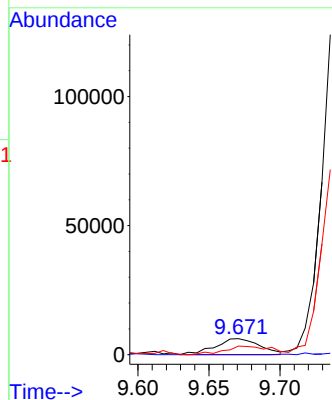
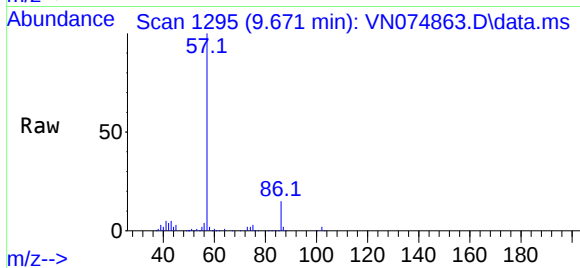
Tgt Ion: 41 Resp: 13605

Ion Ratio Lower Upper

41 100

69 0.0 0.0 0.0

39 57.2 54.4 81.6



#49

1,4-Dioxane

Concen: 0.882 ug/l

RT: 9.724 min Scan# 1304

Delta R.T. 0.018 min

Lab File: VN074863.D

Acq: 11 Oct 2022 21:51

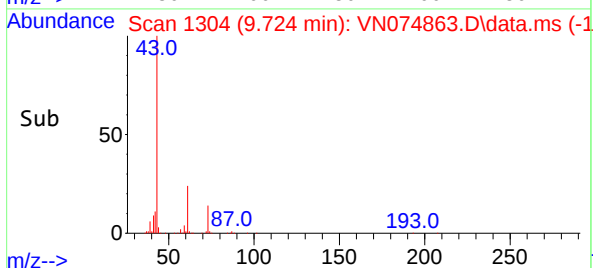
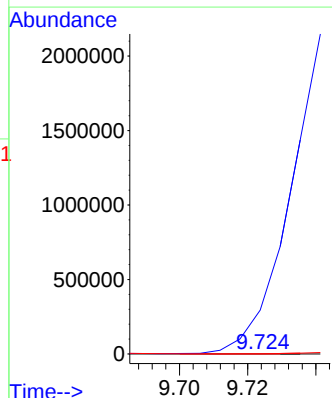
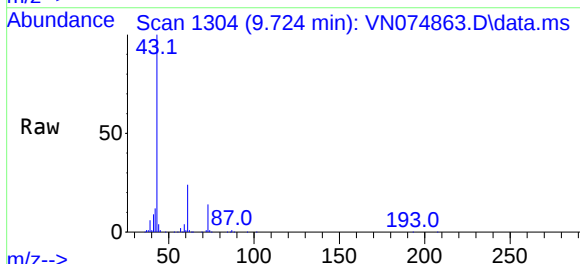
Tgt Ion: 88 Resp: 250

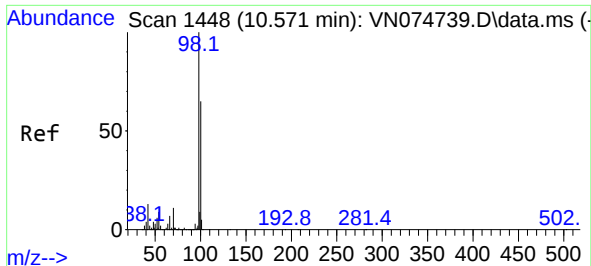
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 54.9 82.3#

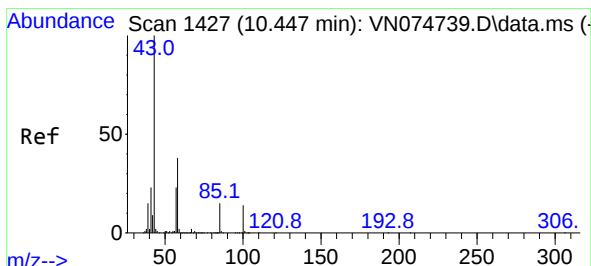
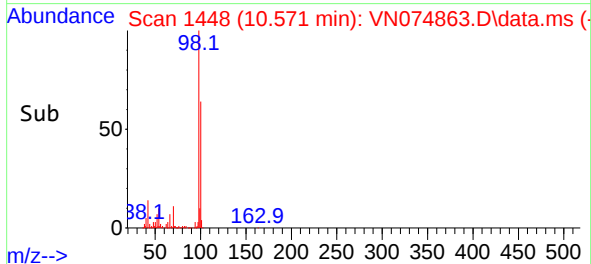
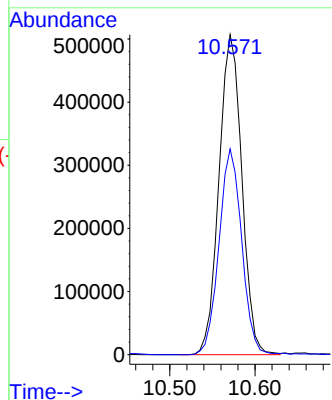
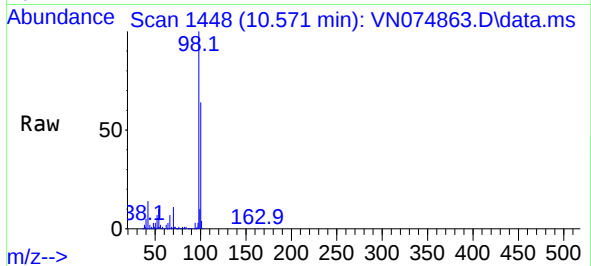




#50
Toluene-d8
Concen: 27.702 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

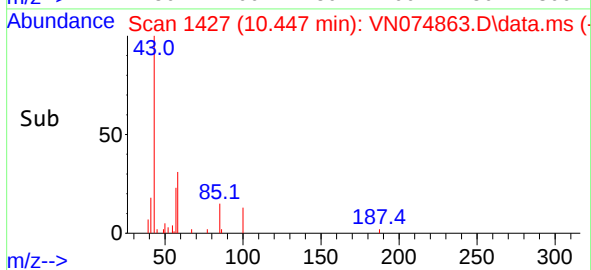
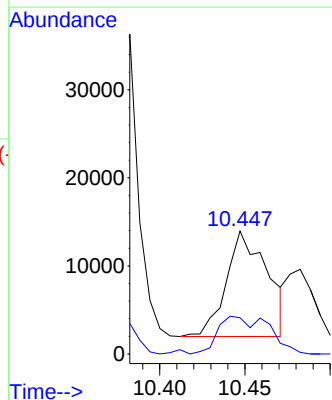
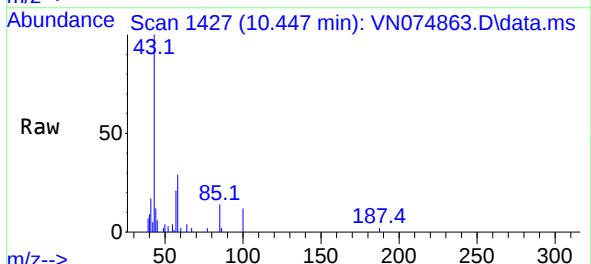
Instrument : MSVOA_N
ClientSampleId : PB148255ZHE#12

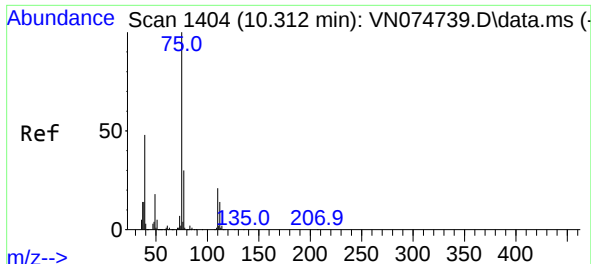
Tgt Ion: 98 Resp: 944043
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.979 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 43 Resp: 20079
Ion Ratio Lower Upper
43 100
58 44.5 30.6 45.8

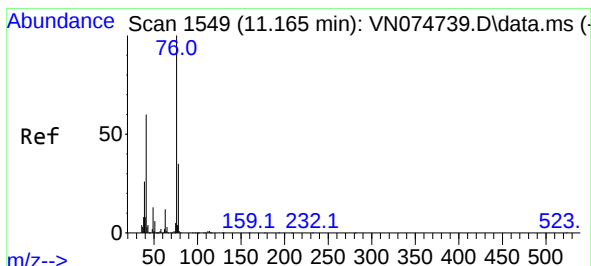
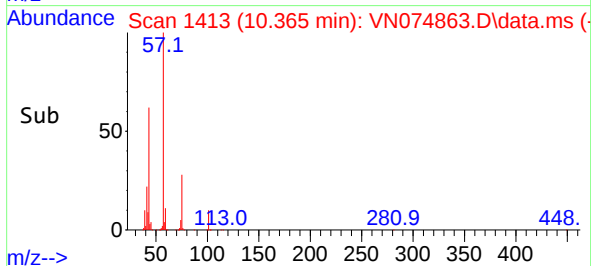
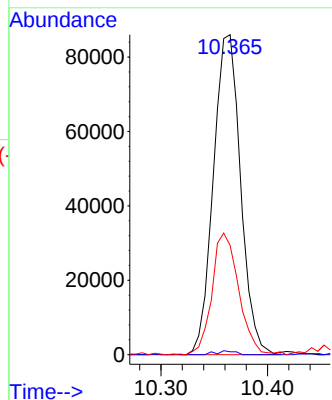
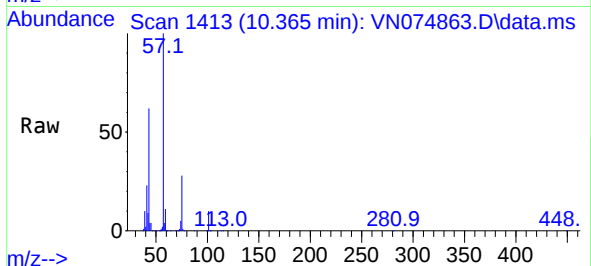




#54
cis-1,3-Dichloropropene
Concen: 8.782 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

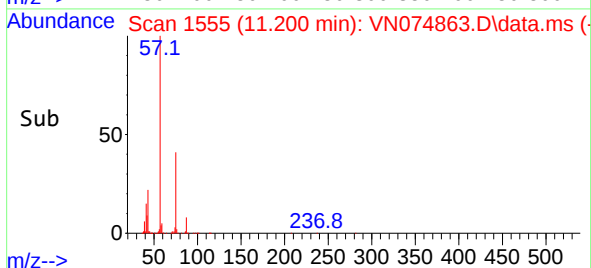
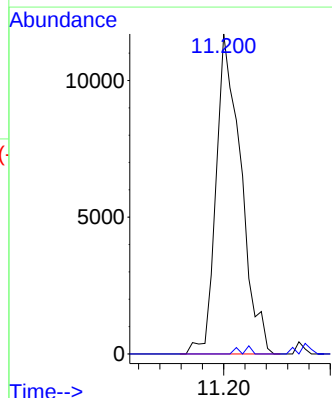
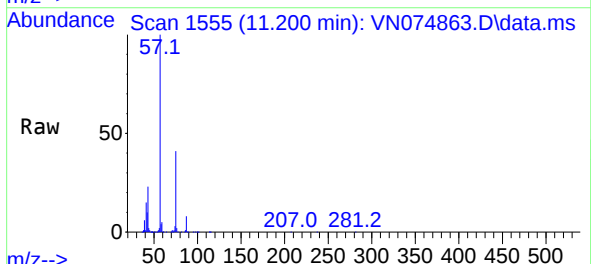
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

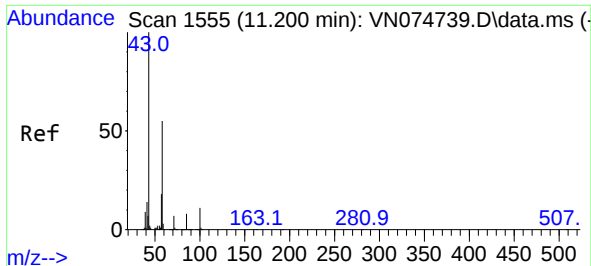
Tgt Ion: 75 Resp: 152607
Ion Ratio Lower Upper
75 100
77 0.9 24.4 36.6#
39 34.0 38.6 57.8#



#57
1,3-Dichloropropane
Concen: 1.048 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 76 Resp: 18985
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

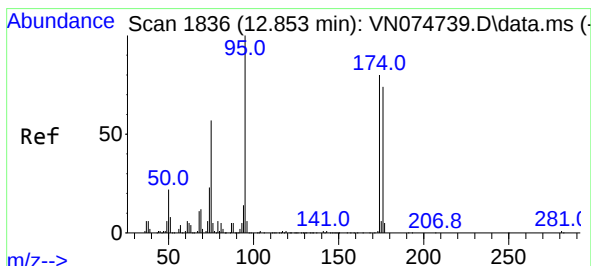
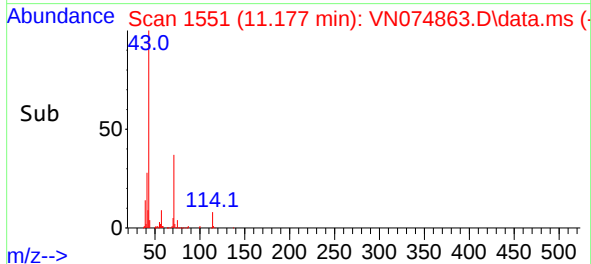
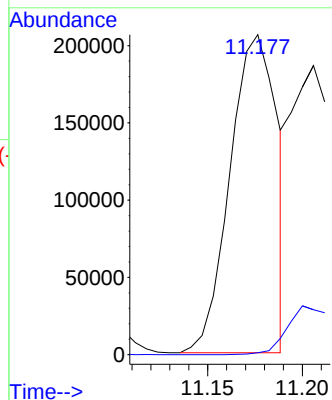
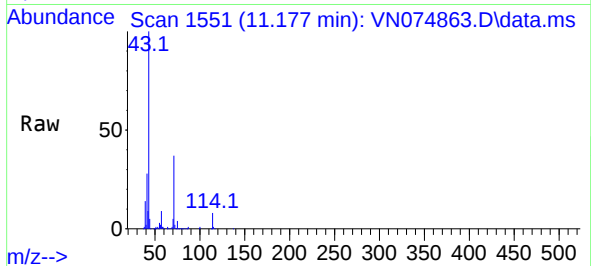




#59
2-Hexanone
Concen: 22.993 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

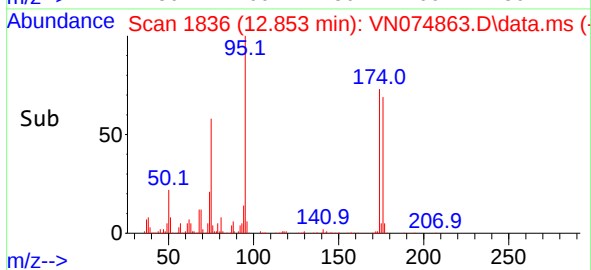
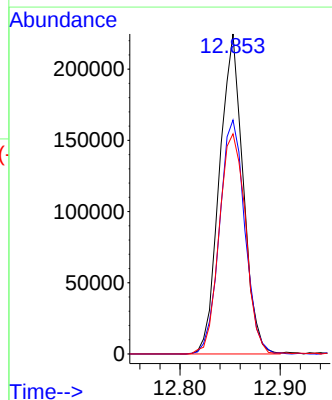
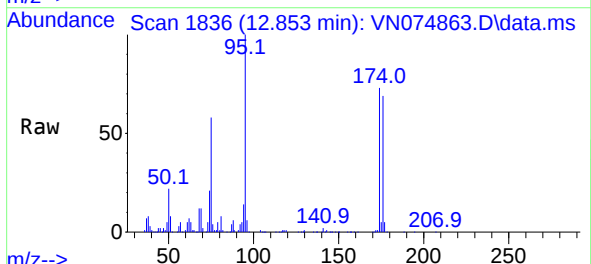
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

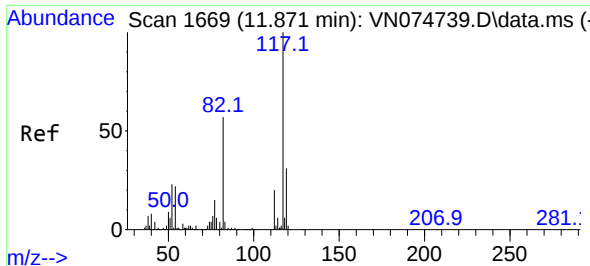
Tgt Ion: 43 Resp: 356861
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 35.551 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 95 Resp: 368284
Ion Ratio Lower Upper
95 100
174 78.0 0.0 149.4
176 76.3 0.0 142.0

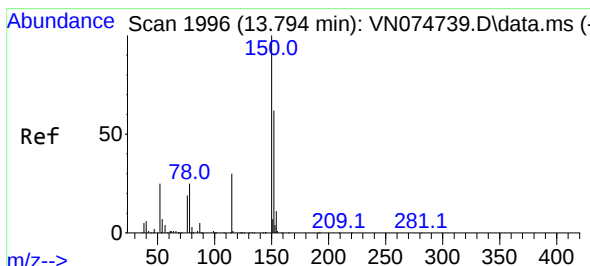
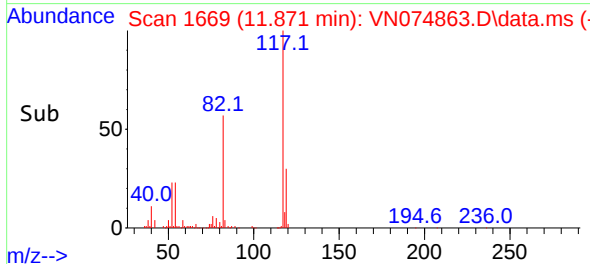
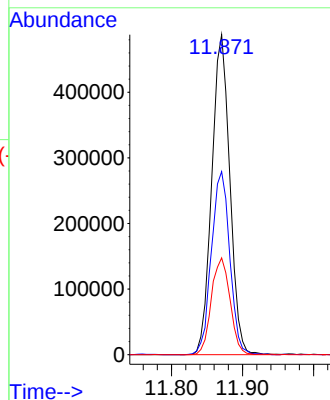
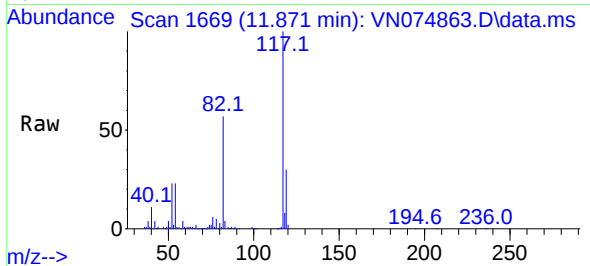




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

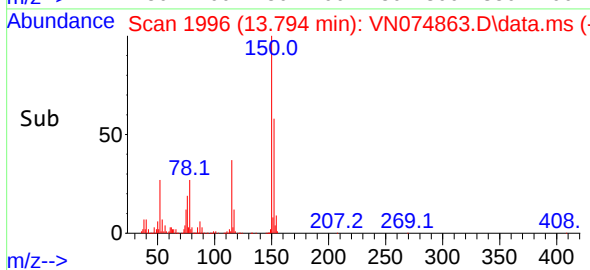
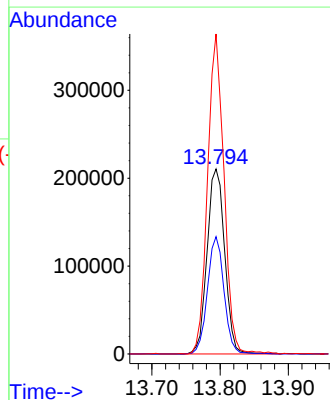
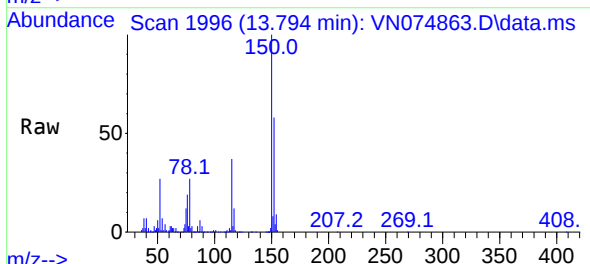
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

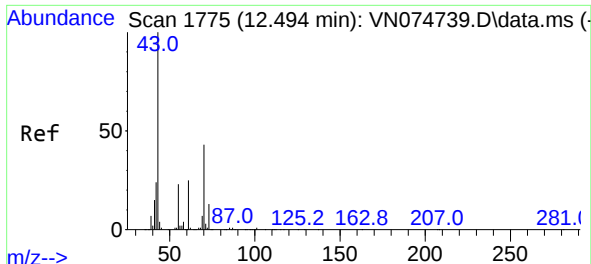
Tgt Ion:117 Resp: 859683
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 30.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion:152 Resp: 378941
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 161.0 0.0 356.4

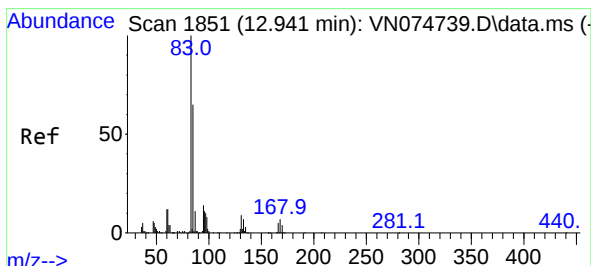
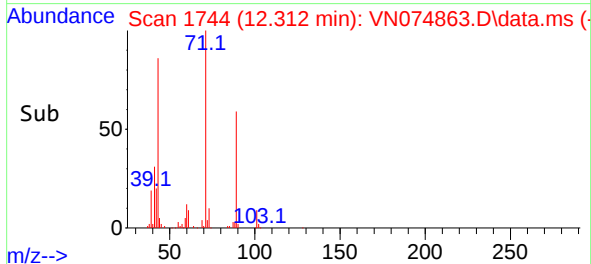
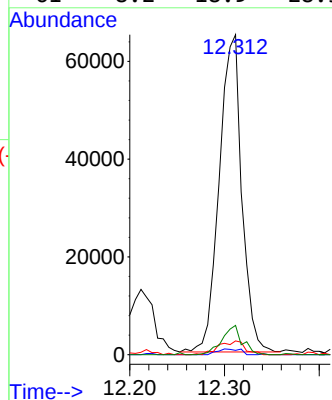
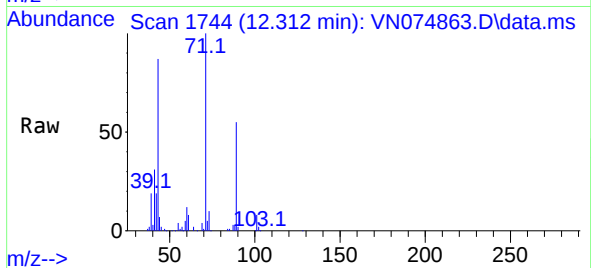




#74
N-amy1 acetate
Concen: 4.877 ug/l
RT: 12.312 min Scan# 11
Delta R.T. -0.182 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

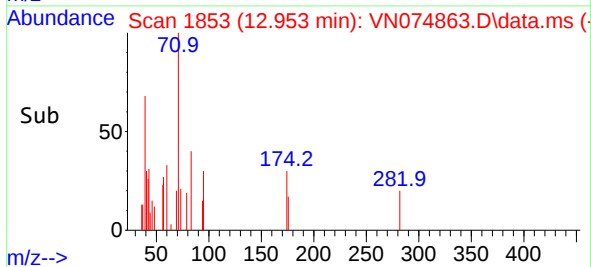
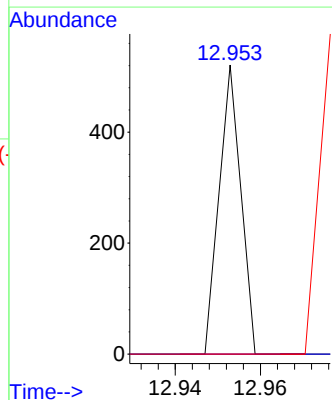
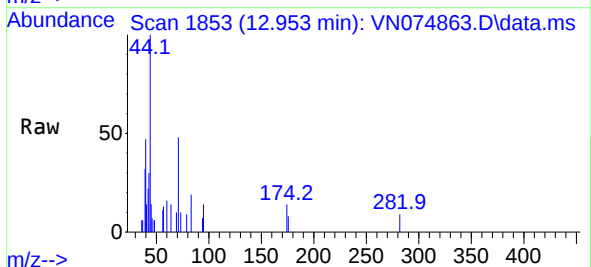
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

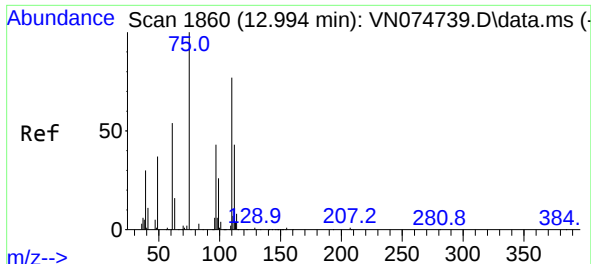
Tgt Ion: 43 Resp: 107520
Ion Ratio Lower Upper
43 100
70 1.8 32.9 49.3#
55 5.0 17.8 26.6#
61 8.2 18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.953 min Scan# 1853
Delta R.T. 0.012 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 83 Resp: 184
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#

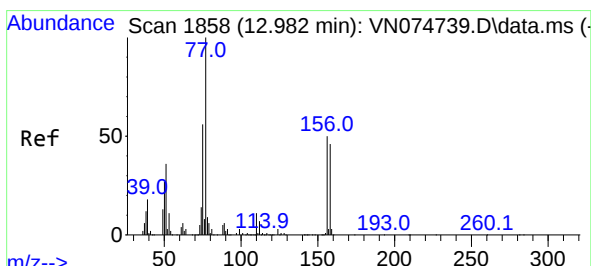
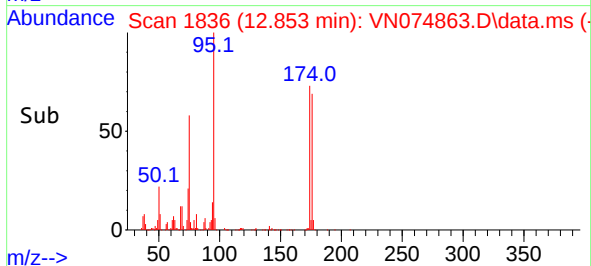
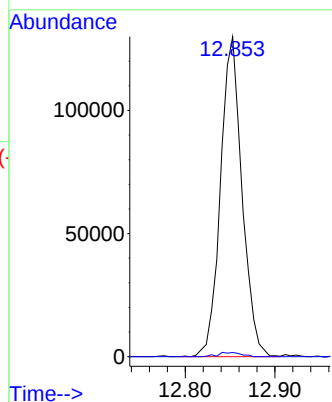
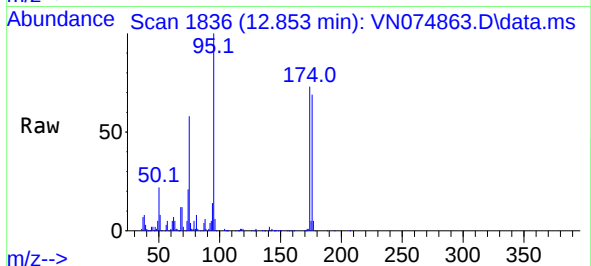




#76
1,2,3-Trichloropropane
Concen: 19.131 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

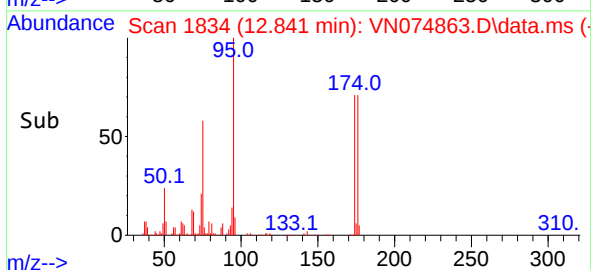
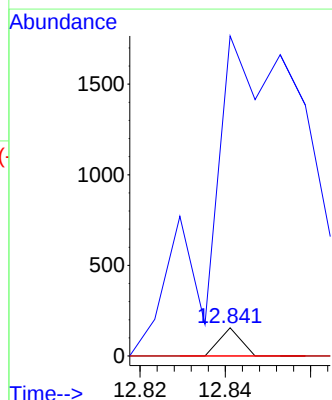
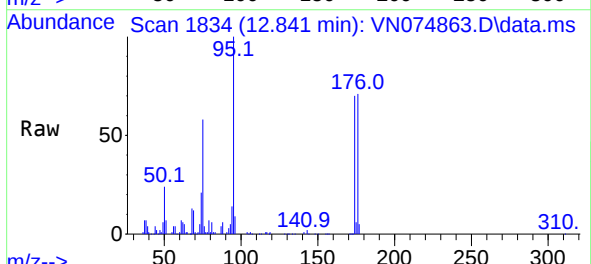
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

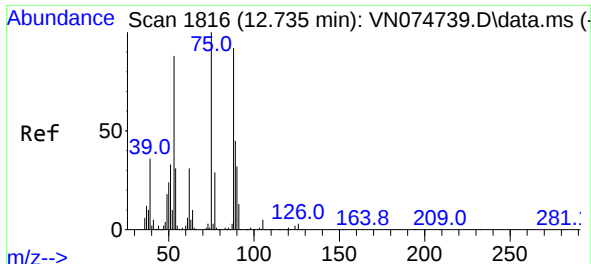
Tgt Ion: 75 Resp: 216383
Ion Ratio Lower Upper
75 100
77 1.4 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.841 min Scan# 1834
Delta R.T. -0.141 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion:156 Resp: 55
Ion Ratio Lower Upper
156 100
77 5592.7 124.7 374.1#
158 0.0 48.3 144.9#

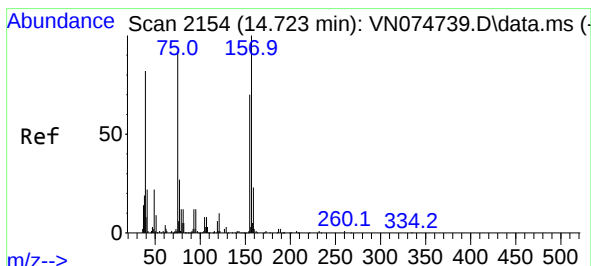
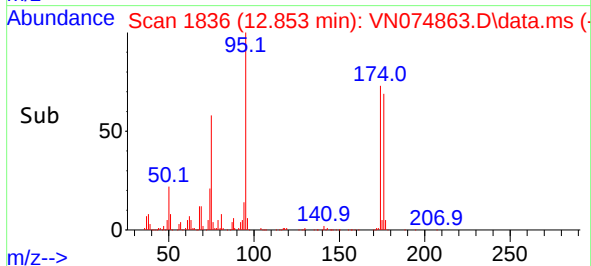
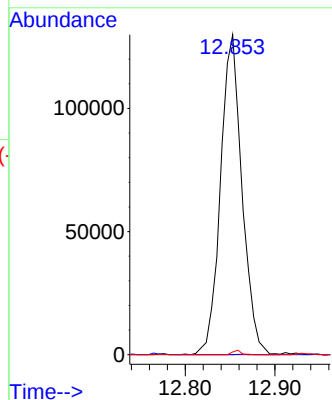
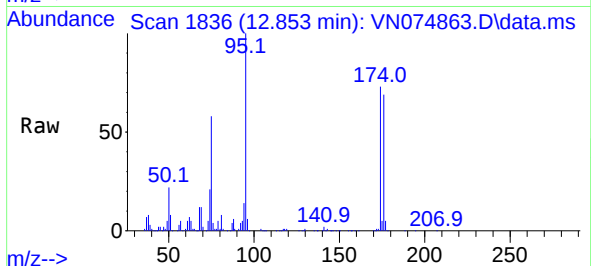




#81
trans-1,4-Dichloro-2-butene
Concen: 37.275 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#12

Tgt Ion: 75 Resp: 216383
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.5 32.1 48.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.244 ug/l
RT: 14.694 min Scan# 2149
Delta R.T. -0.029 min
Lab File: VN074863.D
Acq: 11 Oct 2022 21:51

Tgt Ion: 75 Resp: 738
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.3 153.9#

