

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013122\
 Data File : VN070863.D
 Acq On : 31 Jan 2022 19:56
 Operator : JC/MD
 Sample : N1325-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TES-3

Quant Time: Feb 01 05:02:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

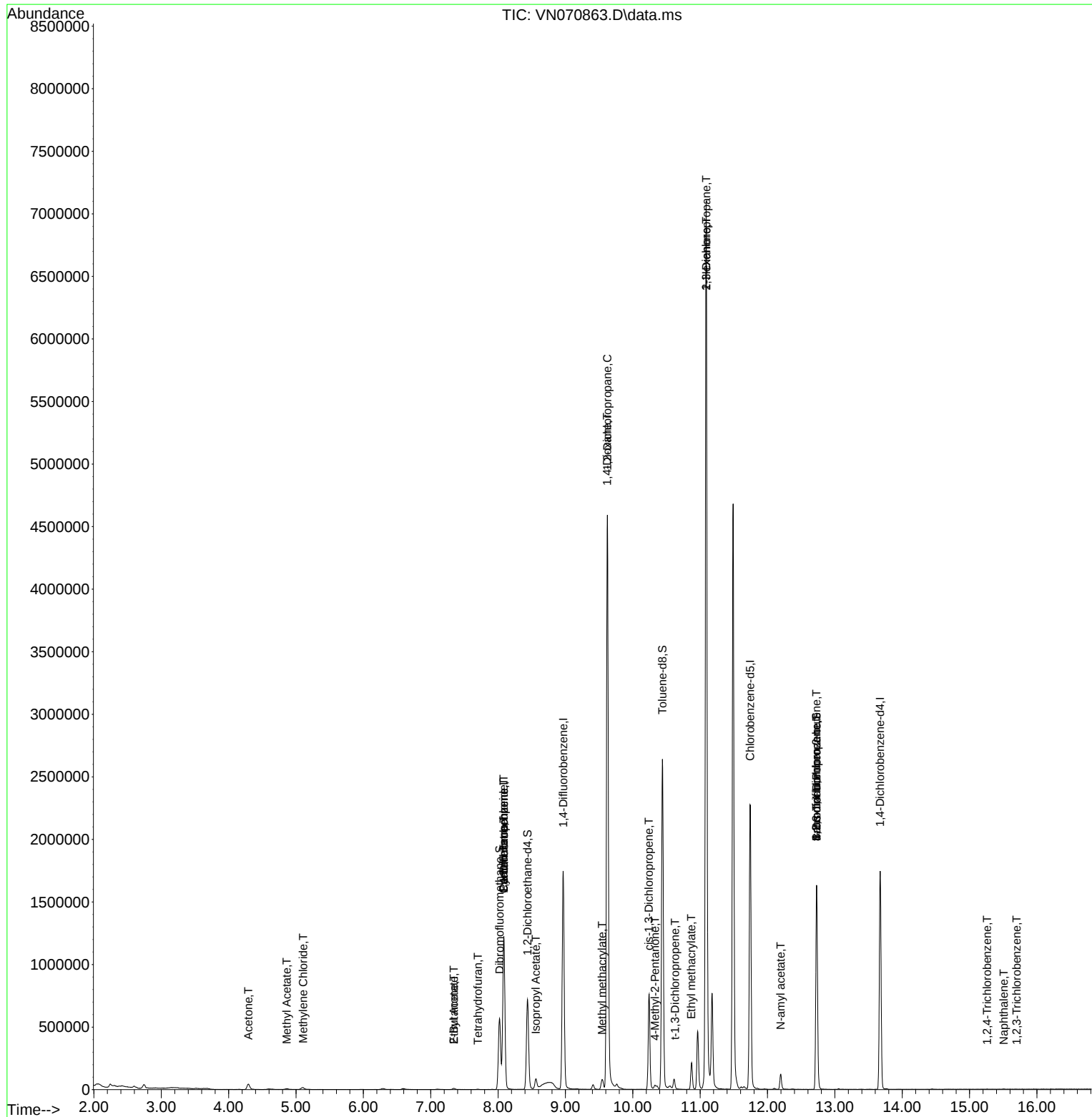
Internal Standards						
1) Pentafluorobenzene	8.086	168	911839	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1466599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1323192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	486013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	625488	47.864	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.720%		
35) Dibromofluoromethane	8.021	113	425831	46.808	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.620%		
50) Toluene-d8	10.440	98	1847641	48.210	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.420%		
62) 4-Bromofluorobenzene	12.728	95	601866	44.071	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.140%		
Target Compounds						
						Qvalue
16) Acetone	4.293	43	81798	9.018	ug/l	99
18) Methyl Acetate	4.862	43	13659	0.766	ug/l #	77
20) Methylene Chloride	5.106	84	10739	0.899	ug/l #	87
25) 2-Butanone	7.343	43	15989	1.401	ug/l	95
29) Tetrahydrofuran	7.702	42	2543	0.364	ug/l #	44
30) Chloroform	7.815	83	53	Below Cal	#	18
31) Cyclohexane	8.083	56	21715	0.944	ug/l #	24
36) 1,1-Dichloropropene	8.083	75	74913	4.891	ug/l #	49
37) Ethyl Acetate	7.343	43	15989	0.786	ug/l #	68
38) Carbon Tetrachloride	8.083	117	95786	7.030	ug/l #	16
43) Isopropyl Acetate	8.560	43	102743	3.308	ug/l #	85
45) 1,2-Dichloropropane	9.622	63	5366	0.416	ug/l #	44
48) Methyl methacrylate	9.545	41	24896	1.683	ug/l #	8
49) 1,4-Dioxane	9.620	88	643	2.893	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	16860	0.851	ug/l #	84
53) t-1,3-Dichloropropene	10.628	75	53	2.406	ug/l #	1
54) cis-1,3-Dichloropropene	10.239	75	133427	7.250	ug/l #	62
56) Ethyl methacrylate	10.870	69	1275	2.359	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	70904	3.592	ug/l #	43
59) 2-Hexanone	11.089	43	1222098	84.891	ug/l #	49
71) Bromoform	12.728	173	2284	0.306	ug/l #	1
74) N-amyl acetate	12.194	43	43900	2.335	ug/l #	52
76) 1,2,3-Trichloropropane	12.728	75	323992	25.134	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	323992	74.880	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	316	3.458	ug/l	64
95) Naphthalene	15.507	128	2227	5.028	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.700	180	301	3.249	ug/l #	51

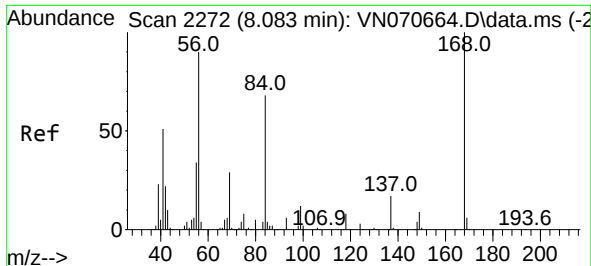
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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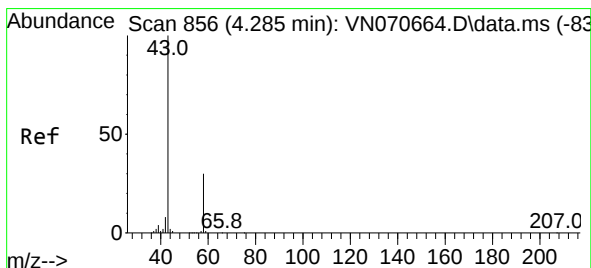
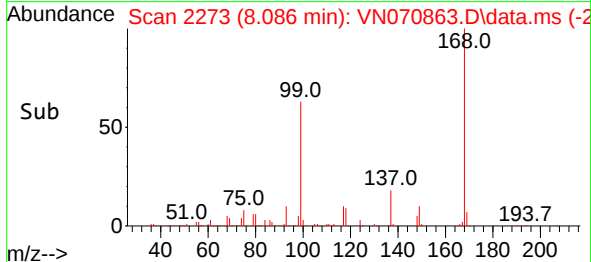
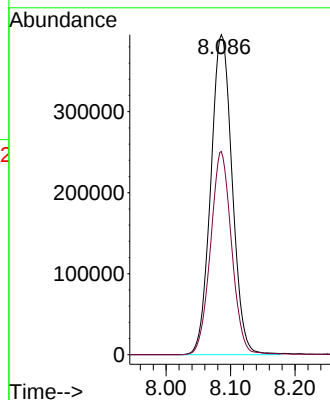
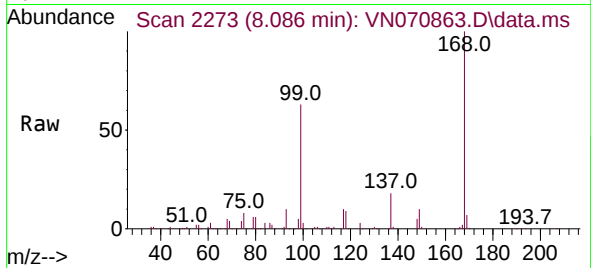




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

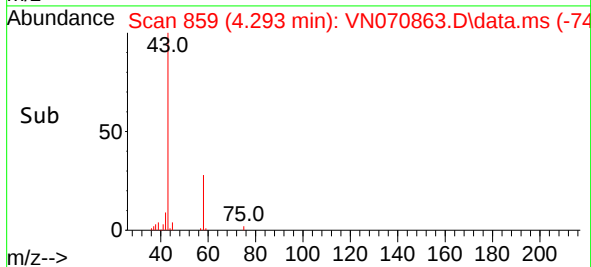
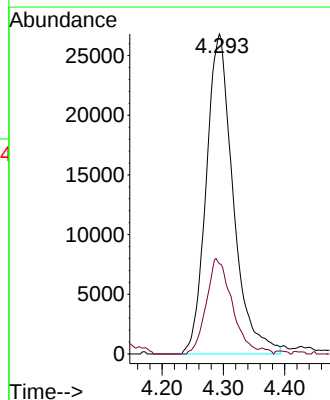
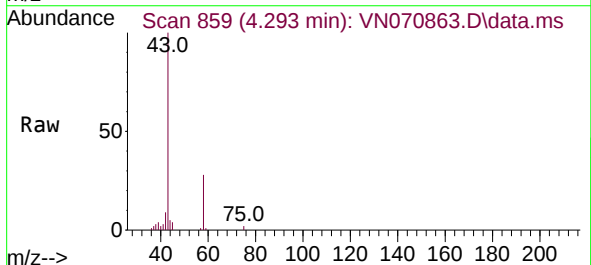
Instrument :
MSVOA_N
ClientSampleId :
TES-3

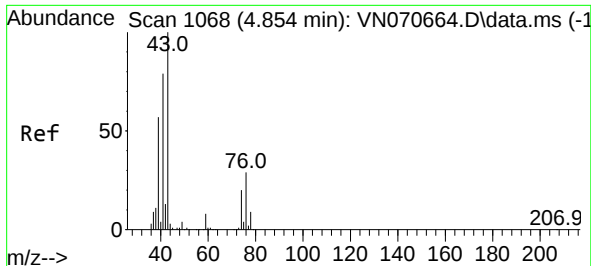
Tgt Ion:168 Resp: 911839
Ion Ratio Lower Upper
168 100
99 63.5 41.3 61.9#



#16
Acetone
Concen: 9.018 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 43 Resp: 81798
Ion Ratio Lower Upper
43 100
58 28.2 23.1 34.7





#18

Methyl Acetate

Concen: 0.766 ug/l

RT: 4.862 min Scan# 1162

Delta R.T. 0.008 min

Lab File: VN070863.D

Acq: 31 Jan 2022 19:56

Instrument :

MSVOA_N

ClientSampleId :

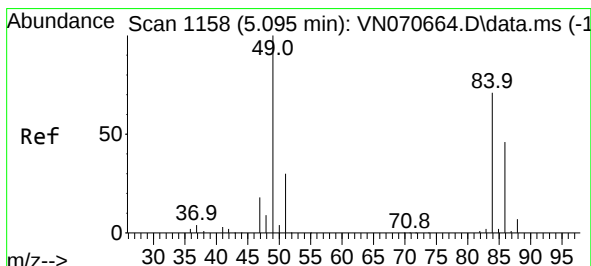
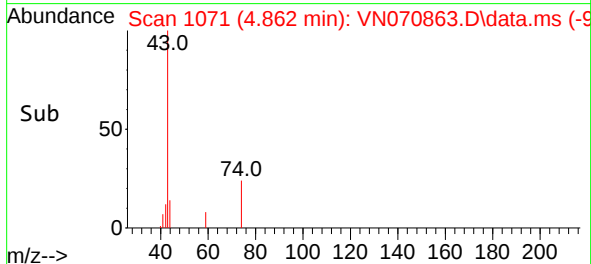
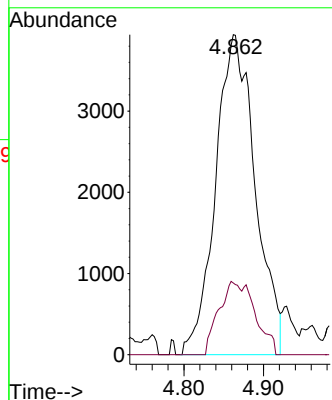
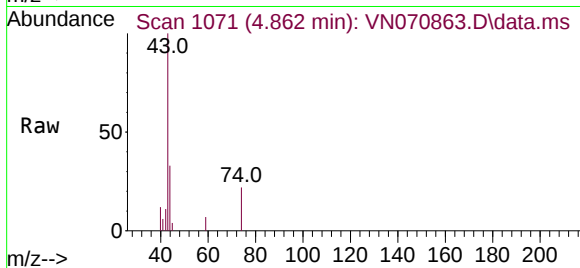
TES-3

Tgt Ion: 43 Resp: 13659

Ion Ratio Lower Upper

43 100

74 12.8 19.4 29.2#



#20

Methylene Chloride

Concen: 0.899 ug/l

RT: 5.106 min Scan# 1162

Delta R.T. 0.011 min

Lab File: VN070863.D

Acq: 31 Jan 2022 19:56

Tgt Ion: 84 Resp: 10739

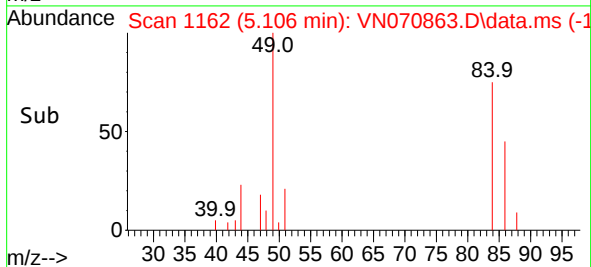
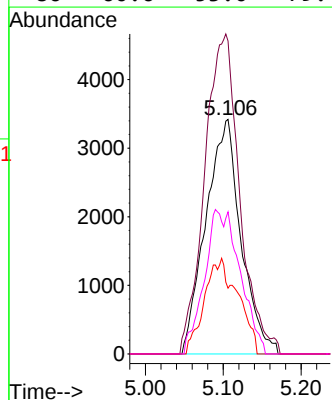
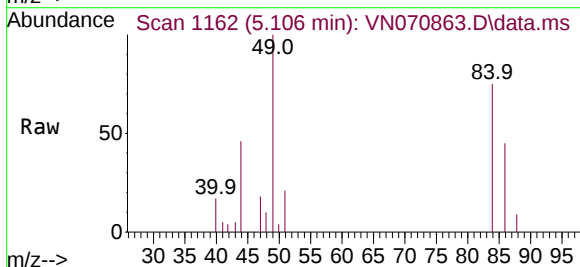
Ion Ratio Lower Upper

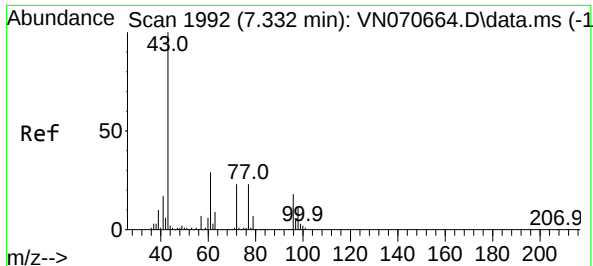
84 100

49 133.5 93.5 140.3

51 28.0 29.4 44.2#

86 60.6 53.0 79.4





#25

2-Butanone

Concen: 1.401 ug/l

RT: 7.343 min Scan# 1992

Delta R.T. 0.011 min

Lab File: VN070863.D

Acq: 31 Jan 2022 19:56

Instrument :

MSVOA_N

ClientSampleId :

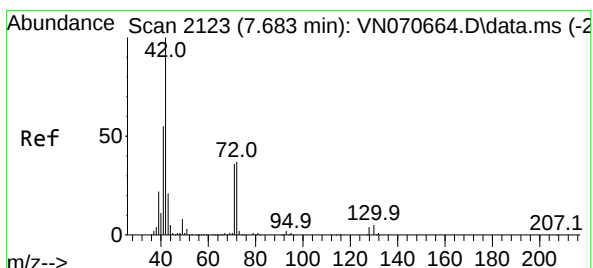
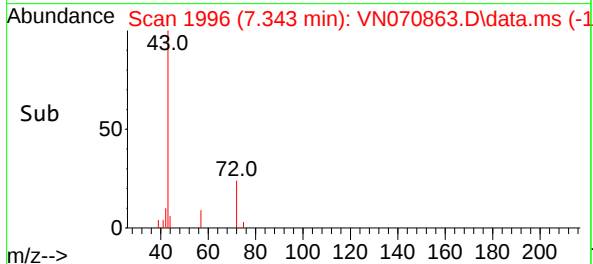
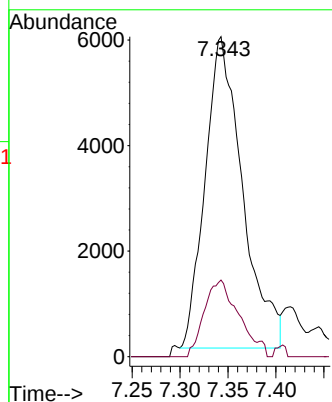
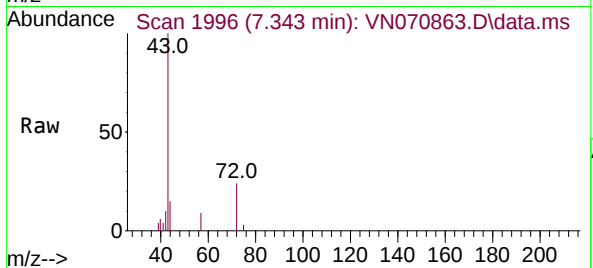
TES-3

Tgt Ion: 43 Resp: 15989

Ion Ratio Lower Upper

43 100

72 24.6 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.019 min

Lab File: VN070863.D

Acq: 31 Jan 2022 19:56

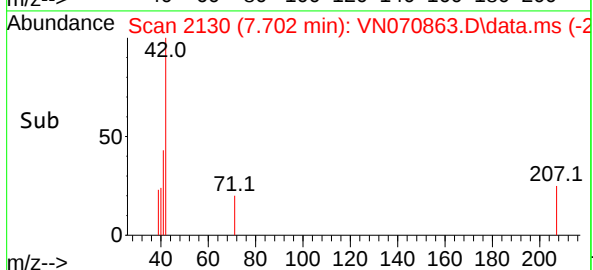
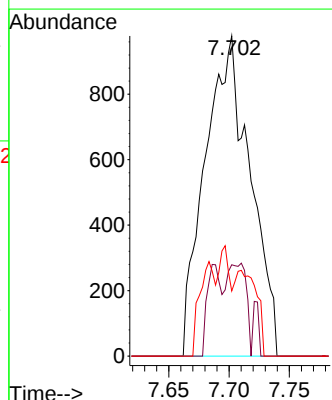
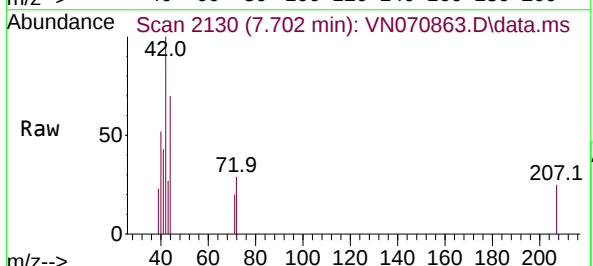
Tgt Ion: 42 Resp: 2543

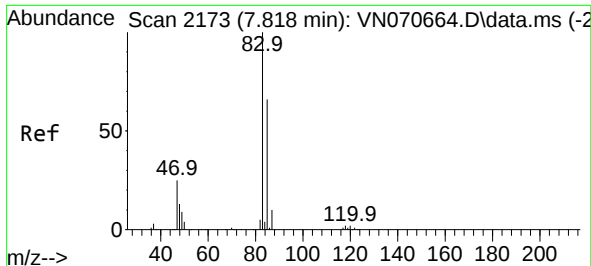
Ion Ratio Lower Upper

42 100

72 12.7 36.3 54.5#

71 3.6 34.7 52.1#

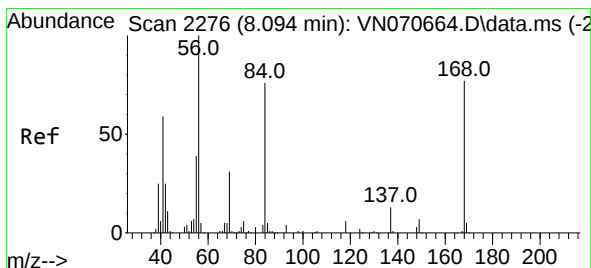
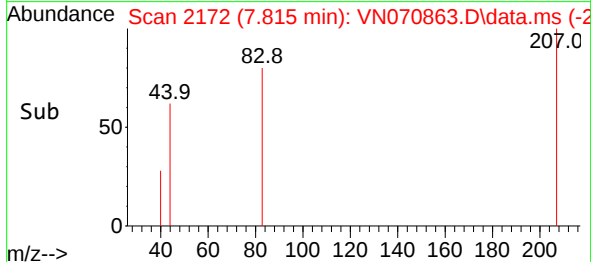
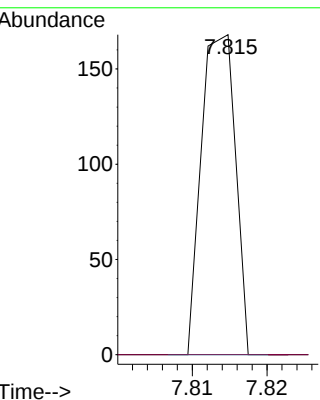
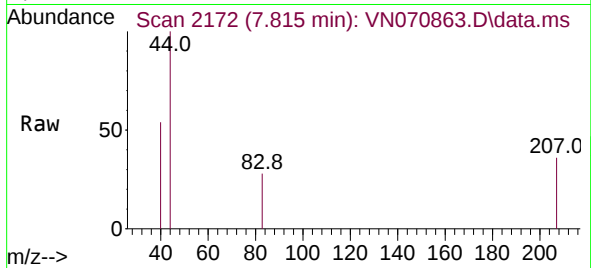




#30
Chloroform
Concen: Below Cal
RT: 7.815 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

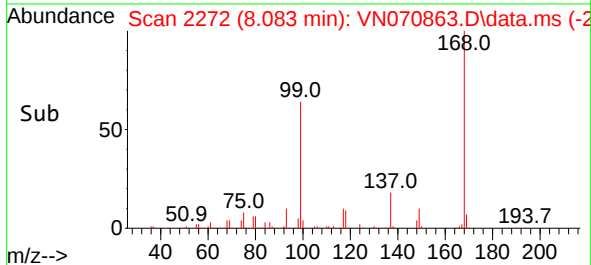
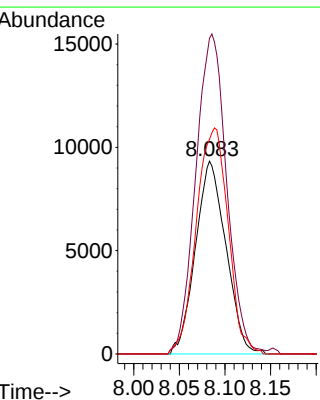
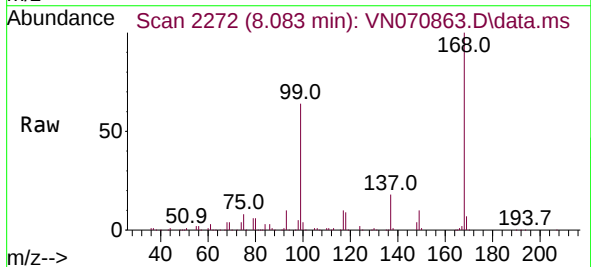
Instrument :
MSVOA_N
ClientSampleId :
TES-3

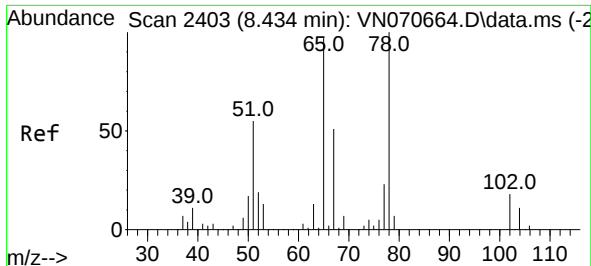
Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.944 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 56 Resp: 21715
Ion Ratio Lower Upper
56 100
69 163.7 27.1 40.7#
84 111.3 73.4 110.0#

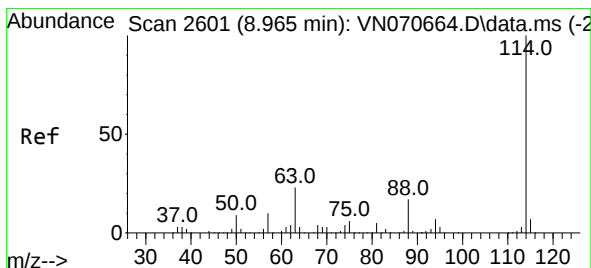
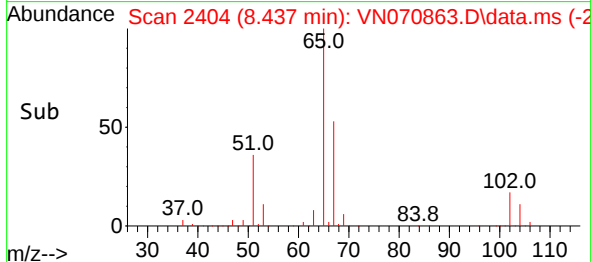
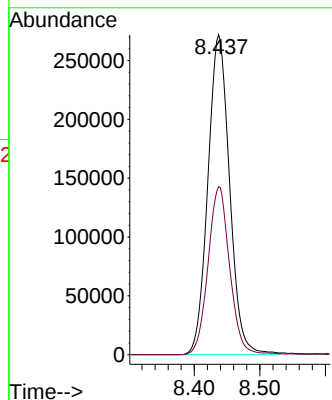
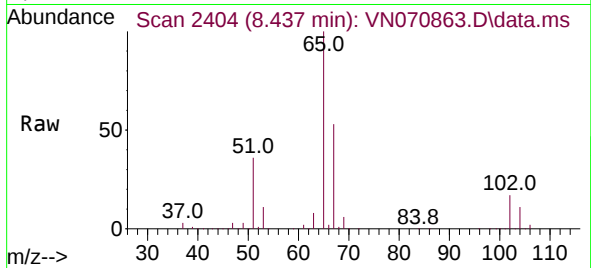




#33
 1,2-Dichloroethane-d4
 Concen: 47.864 ug/l
 RT: 8.437 min Scan# 2403
 Delta R.T. 0.003 min
 Lab File: VN070863.D
 Acq: 31 Jan 2022 19:56

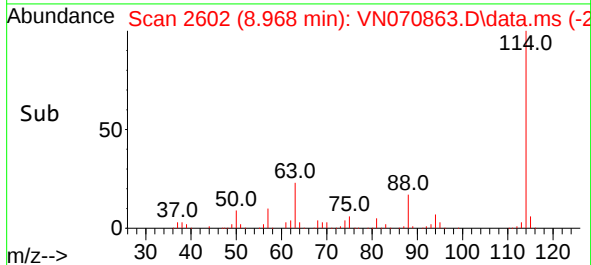
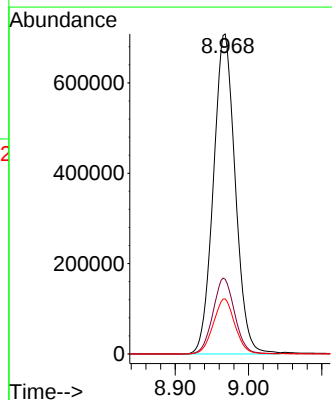
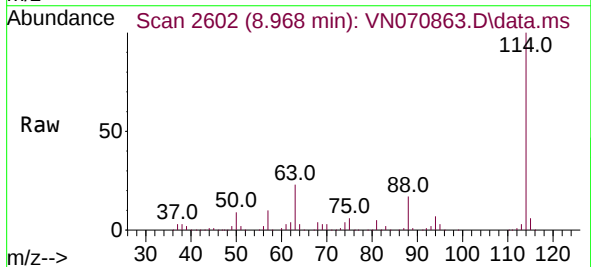
Instrument :
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 ClientSampleId :
 TES-3

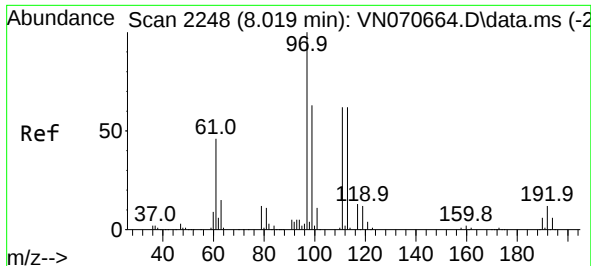
Tgt Ion: 65 Resp: 625488
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070863.D
 Acq: 31 Jan 2022 19:56

Tgt Ion: 114 Resp: 1466599
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 37.8
 88 17.2 0.0 27.4

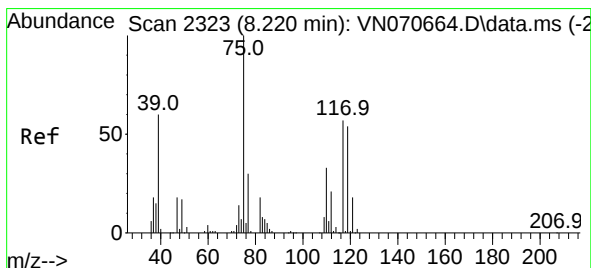
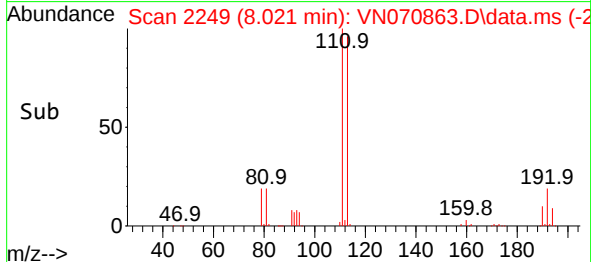
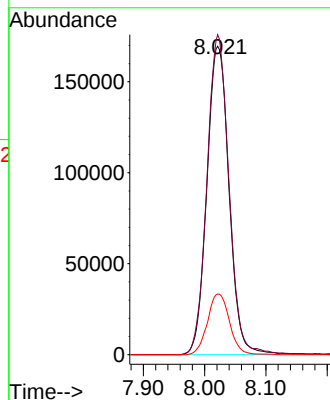
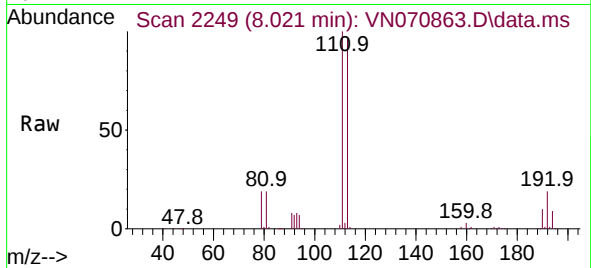




#35
Dibromofluoromethane
Concen: 46.808 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

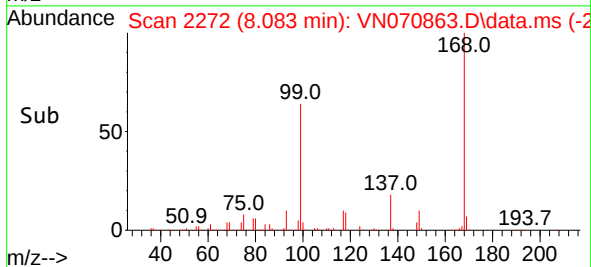
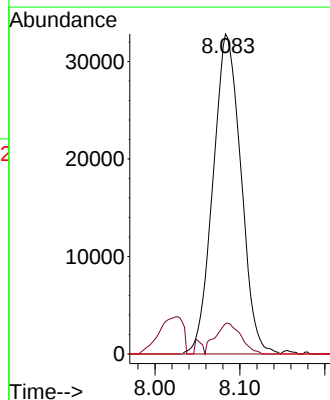
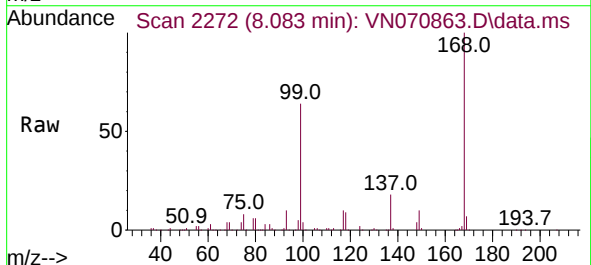
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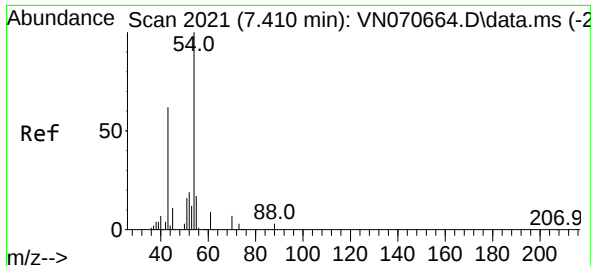
Tgt Ion:113 Resp: 425831
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 75 Resp: 74913
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.786 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.067 min

Lab File: VN070863.D

Acq: 31 Jan 2022 19:56

Instrument :

MSVOA_N

ClientSampleId :

TES-3

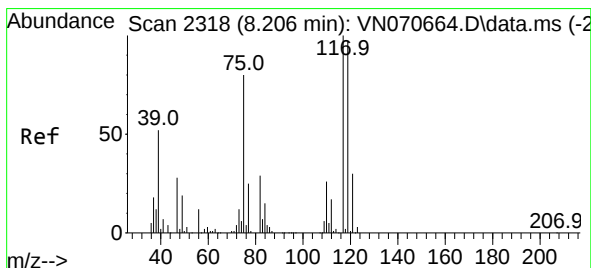
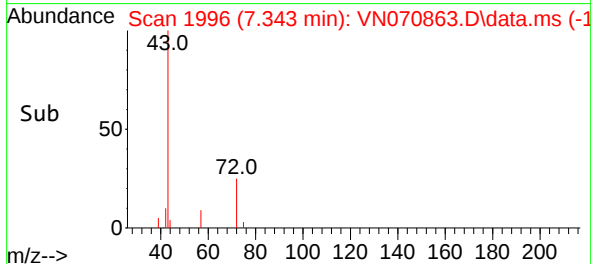
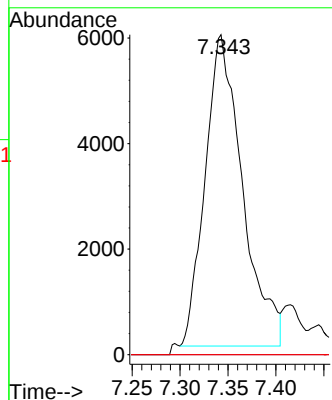
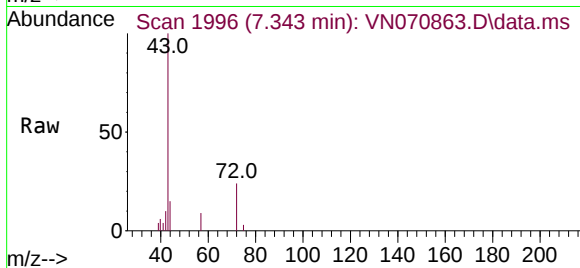
Tgt Ion: 43 Resp: 15989

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 7.030 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.123 min

Lab File: VN070863.D

Acq: 31 Jan 2022 19:56

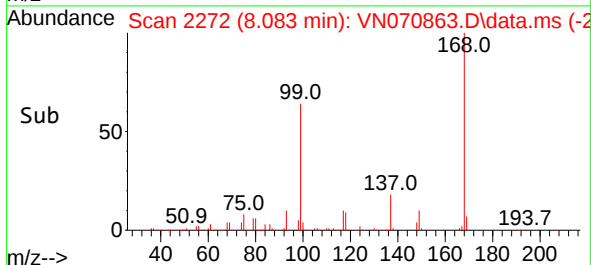
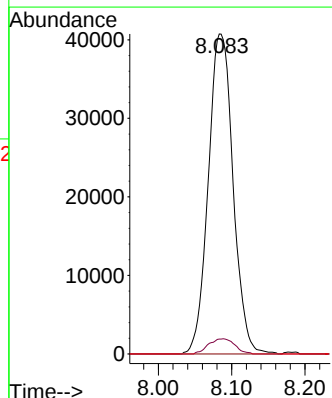
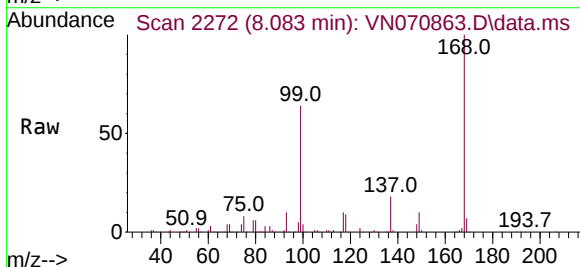
Tgt Ion: 117 Resp: 95786

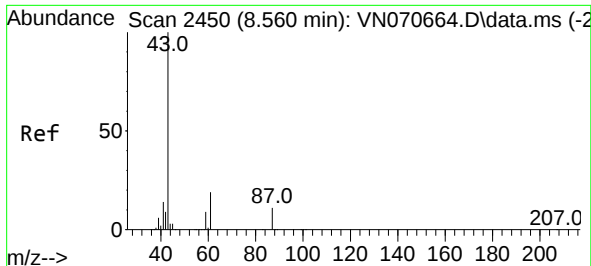
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.2 36.2#

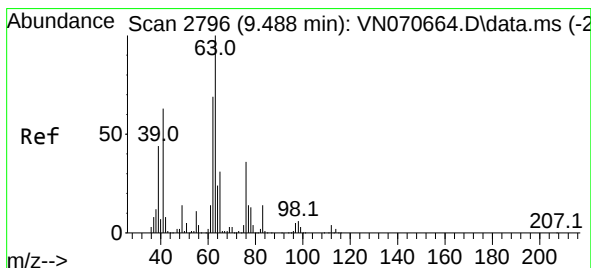
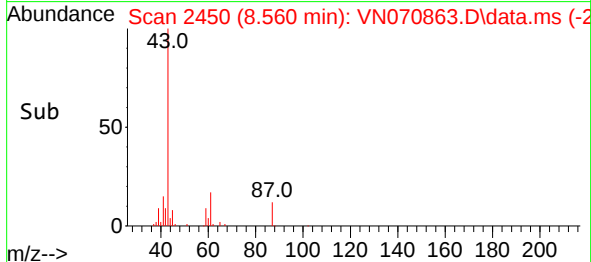
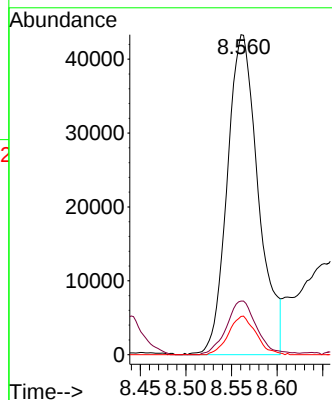
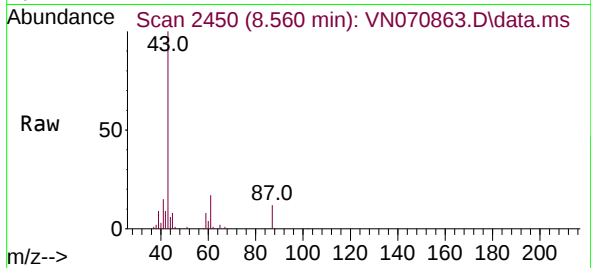




#43
Isopropyl Acetate
Concen: 3.308 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

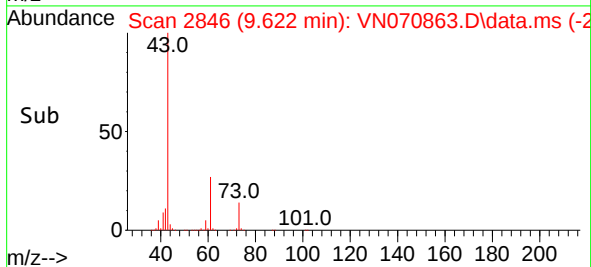
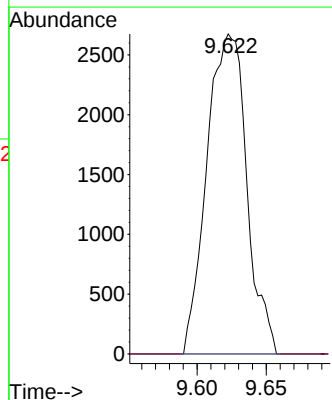
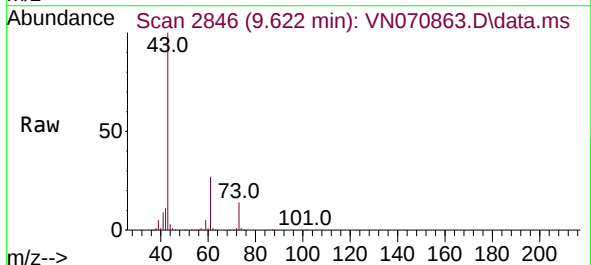
Instrument :
MSVOA_N
ClientSampleId :
TES-3

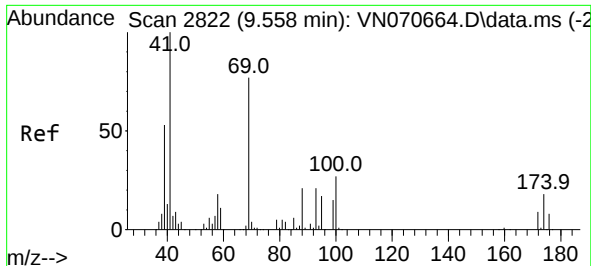
Tgt Ion: 43 Resp: 102743
Ion Ratio Lower Upper
43 100
61 16.4 20.4 30.6#
87 10.7 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.416 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 63 Resp: 5366
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

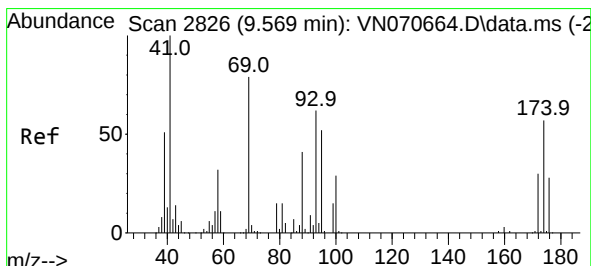
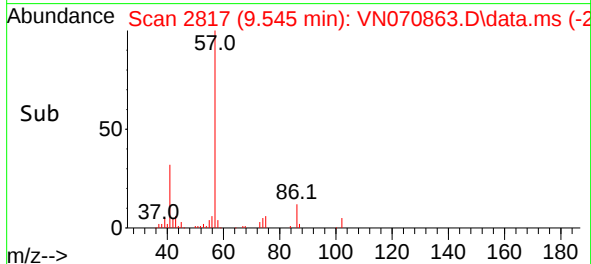
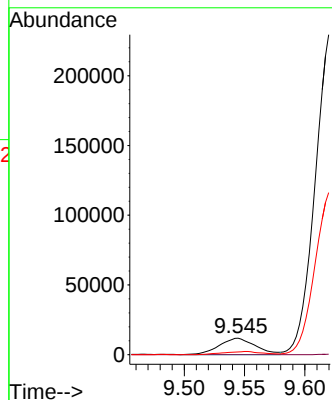
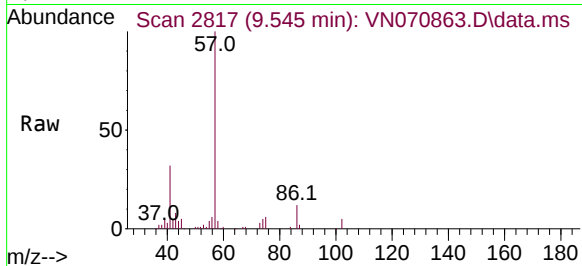




#48
Methyl methacrylate
Concen: 1.683 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.013 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

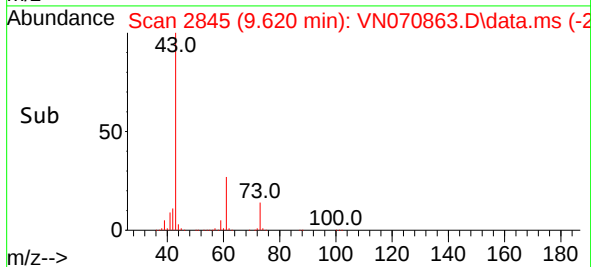
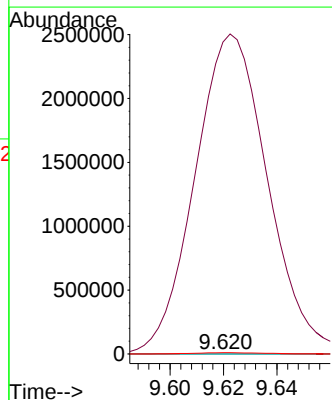
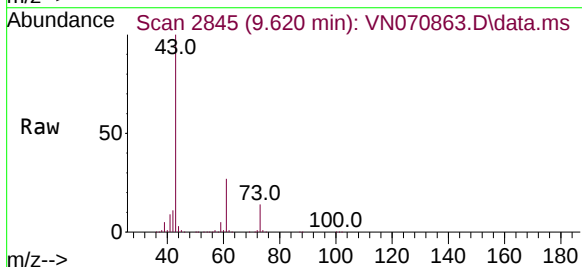
Instrument :
MSVOA_N
ClientSampleId :
TES-3

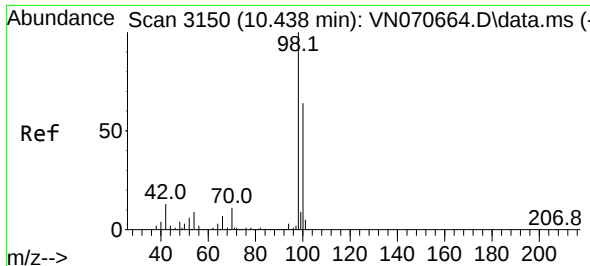
Tgt Ion: 41 Resp: 24896
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.893 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 88 Resp: 643
Ion Ratio Lower Upper
88 100
43 757749.0 23.4 35.2#
58 2812.8 50.6 75.8#

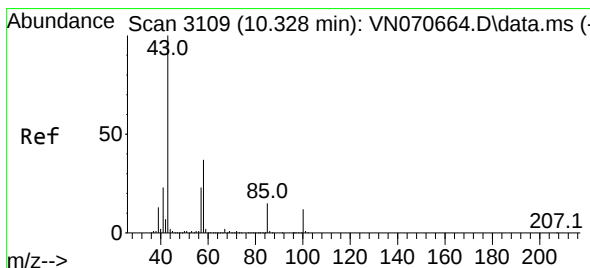
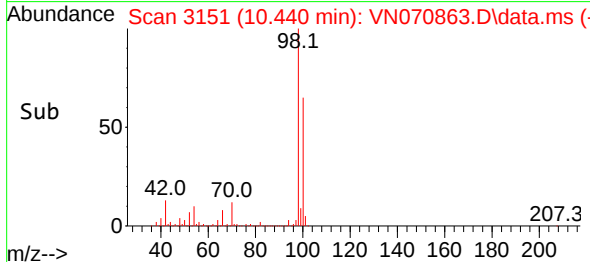
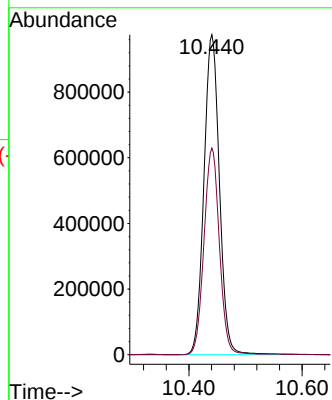
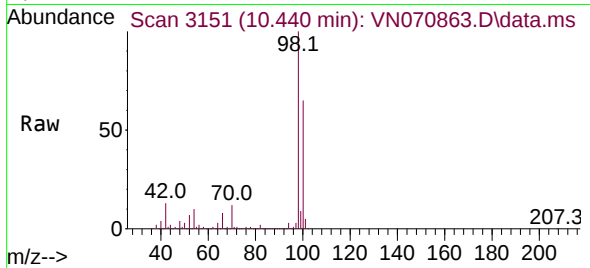




#50
Toluene-d8
Concen: 48.210 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

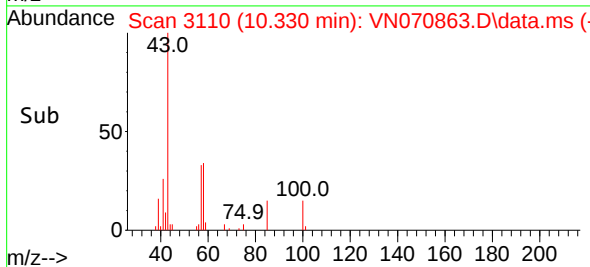
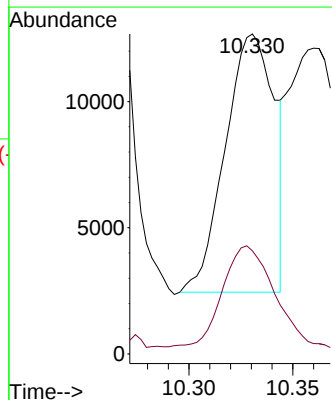
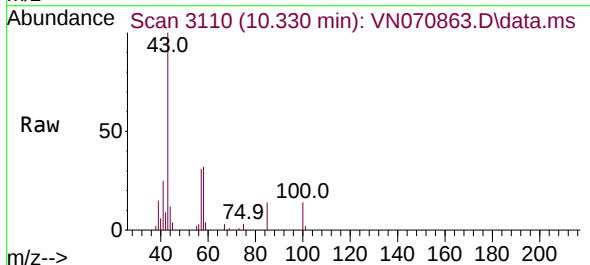
Instrument :
MSVOA_N
ClientSampleId :
TES-3

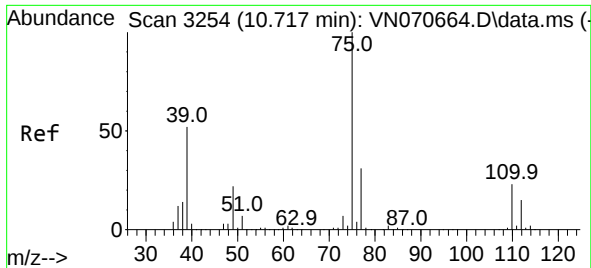
Tgt Ion: 98 Resp: 1847641
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.851 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 43 Resp: 16860
Ion Ratio Lower Upper
43 100
58 47.8 30.4 45.6#

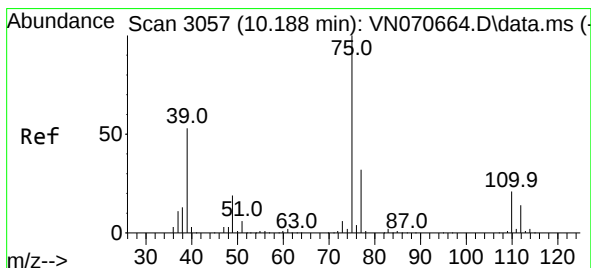
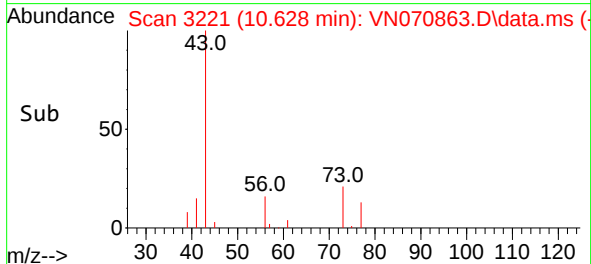
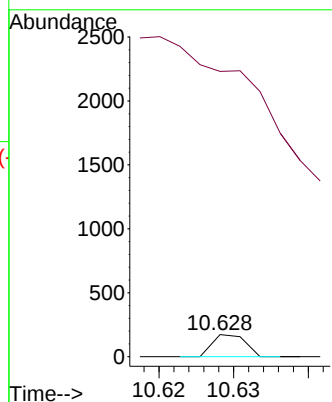
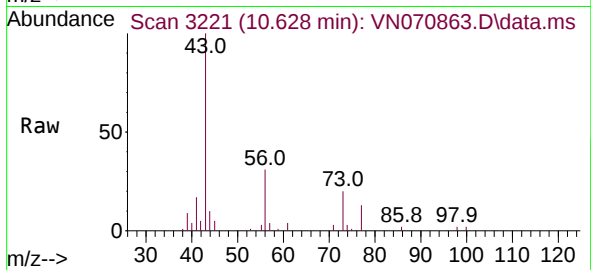




#53
 t-1,3-Dichloropropene
 Concen: 2.406 ug/l
 RT: 10.628 min Scan# 31
 Delta R.T. -0.089 min
 Lab File: VN070863.D
 Acq: 31 Jan 2022 19:56

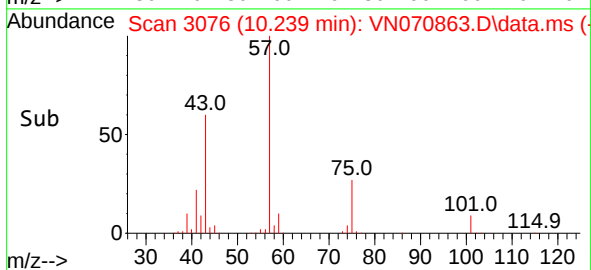
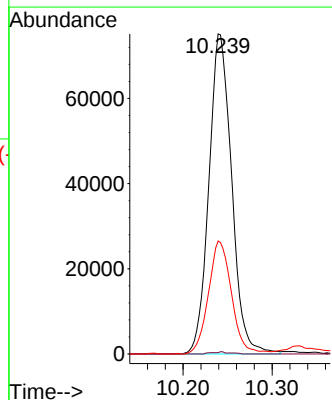
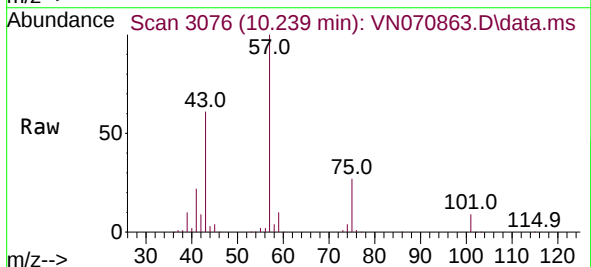
Instrument :
 MSVOA_N
 ClientSampleId :
 TES-3

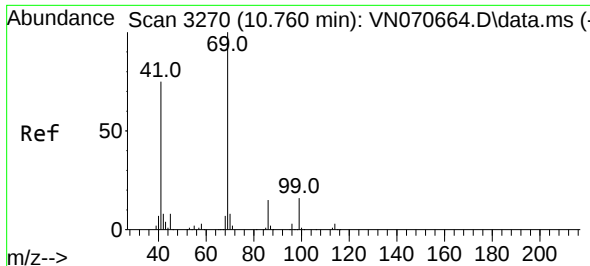
Tgt Ion: 75 Resp: 53
 Ion Ratio Lower Upper
 75 100
 77 278.6 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 7.250 ug/l
 RT: 10.239 min Scan# 3076
 Delta R.T. 0.051 min
 Lab File: VN070863.D
 Acq: 31 Jan 2022 19:56

Tgt Ion: 75 Resp: 133427
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 35.3 42.5 63.7#

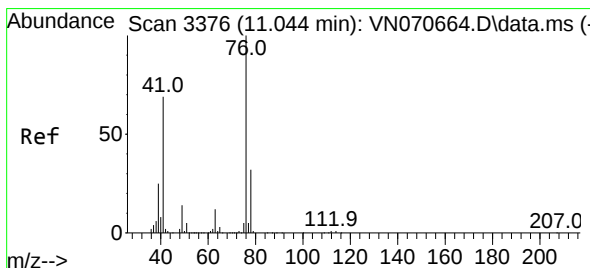
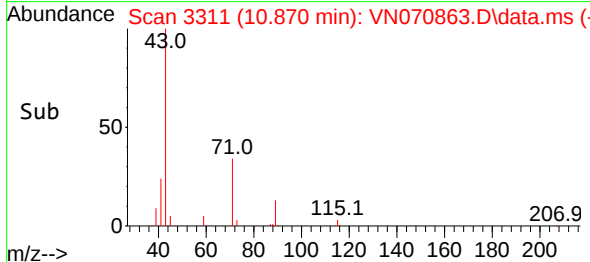
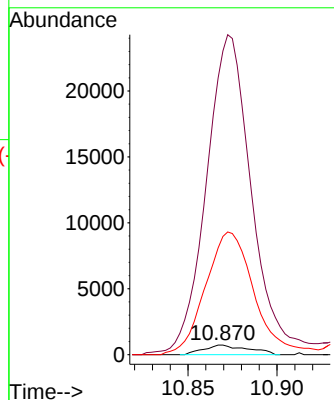
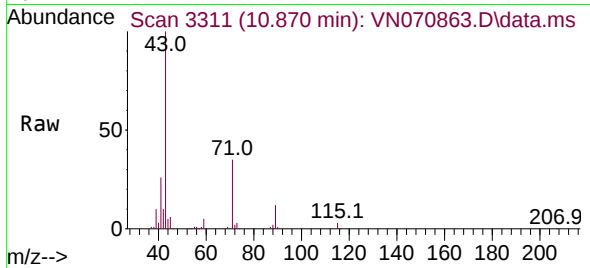




#56
Ethyl methacrylate
Concen: 2.359 ug/l
RT: 10.870 min Scan# 3111
Delta R.T. 0.110 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

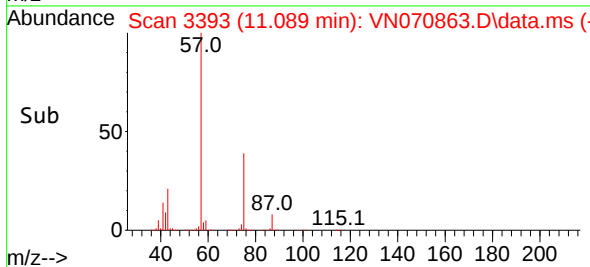
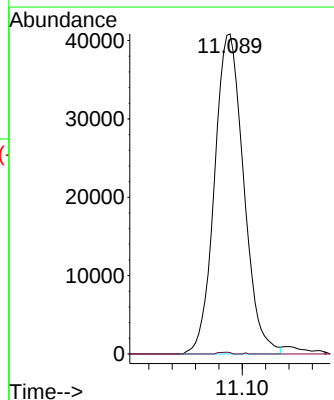
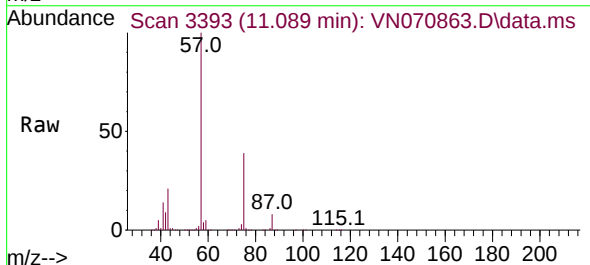
Instrument :
MSVOA_N
ClientSampleId :
TES-3

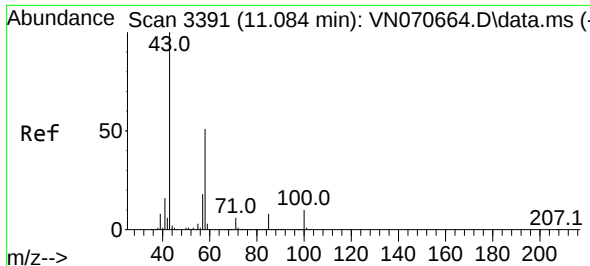
Tgt Ion: 69 Resp: 1275
Ion Ratio Lower Upper
69 100
41 3374.8 51.4 77.0#
39 1391.5 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.592 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 76 Resp: 70904
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

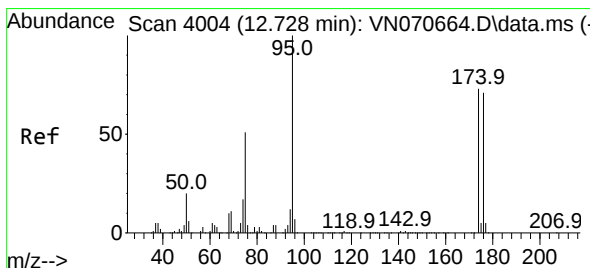
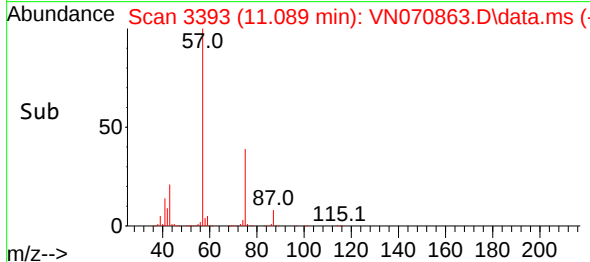
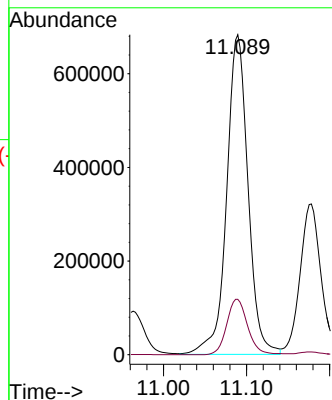
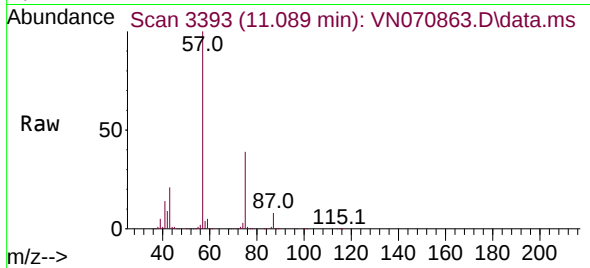




#59
2-Hexanone
Concen: 84.891 ug/l
RT: 11.089 min Scan# 311
Delta R.T. 0.005 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

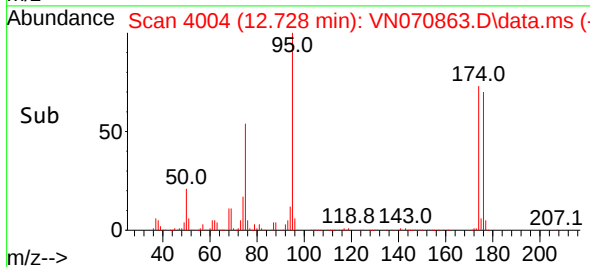
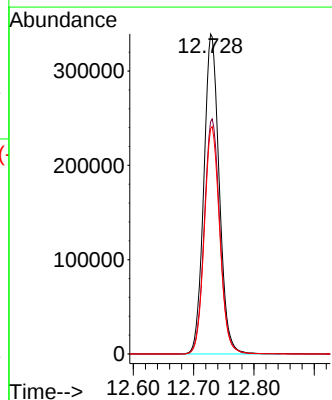
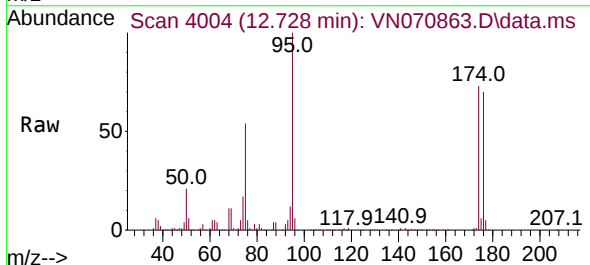
Instrument :
MSVOA_N
ClientSampleId :
TES-3

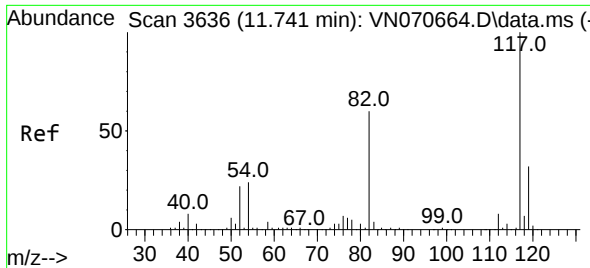
Tgt Ion: 43 Resp: 1222098
Ion Ratio Lower Upper
43 100
58 17.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 44.071 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 95 Resp: 601866
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 71.0 0.0 181.4

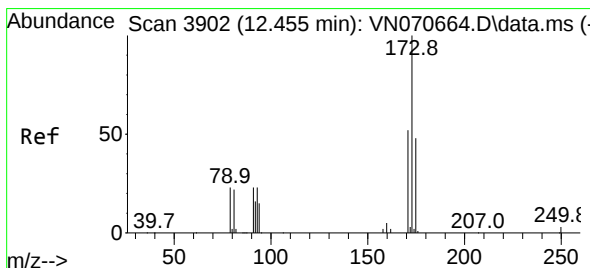
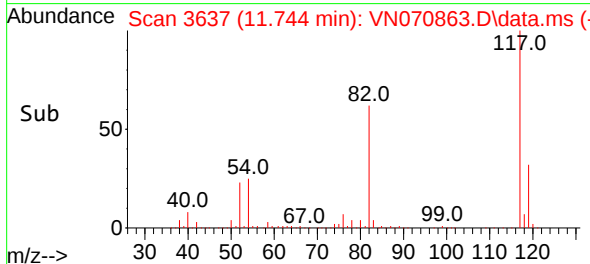
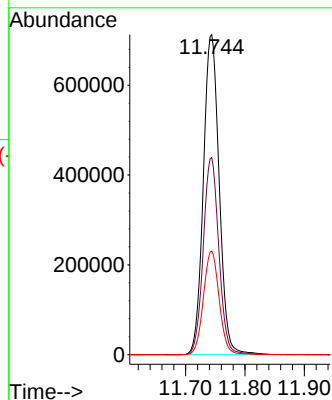
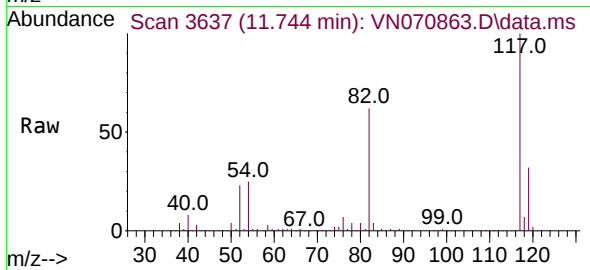




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

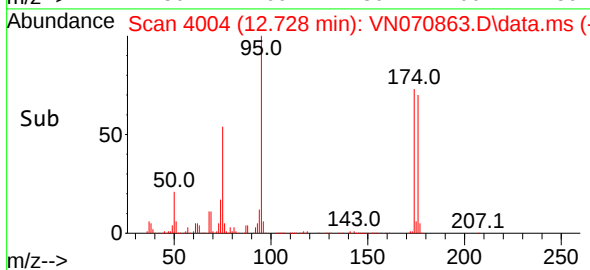
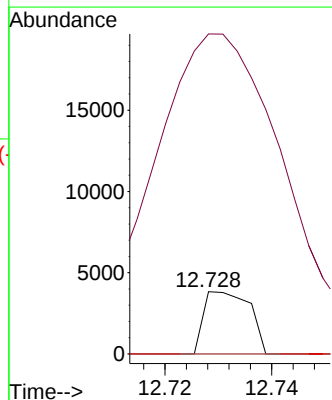
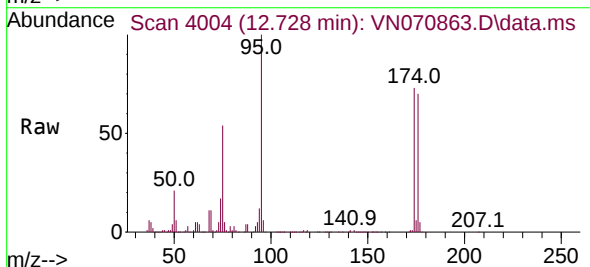
Instrument :
MSVOA_N
ClientSampleId :
TES-3

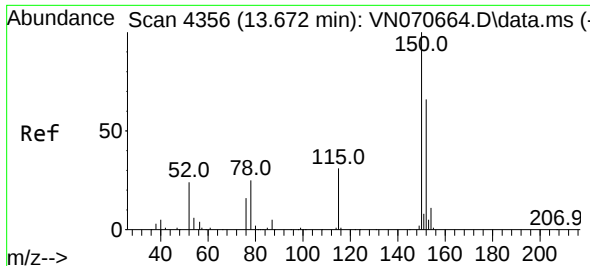
Tgt Ion:117 Resp: 1323192
Ion Ratio Lower Upper
117 100
82 61.6 42.4 63.6
119 32.4 25.4 38.2



#71
Bromoform
Concen: 0.306 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.273 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion:173 Resp: 2284
Ion Ratio Lower Upper
173 100
175 1383.1 24.2 72.6#
254 0.0 0.0 0.0

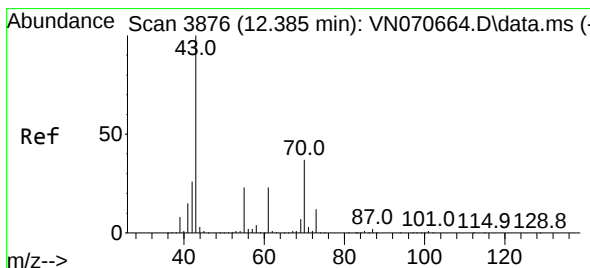
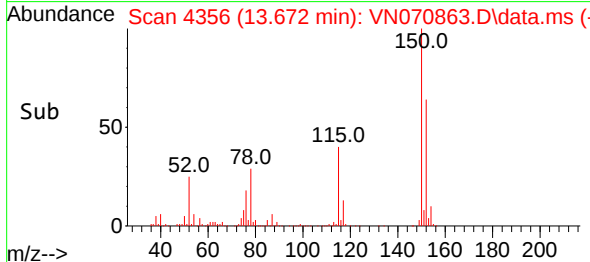
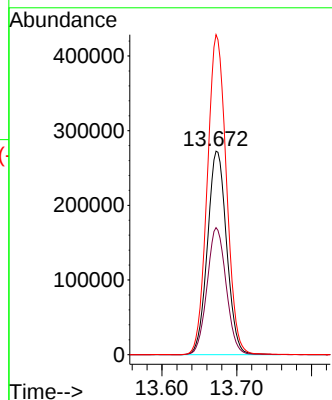
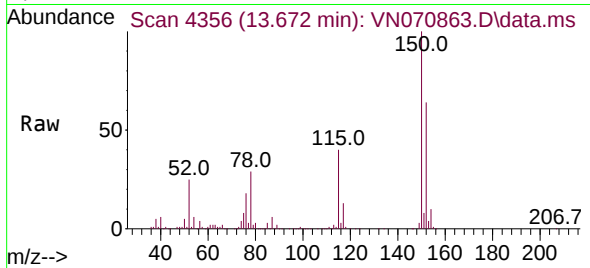




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

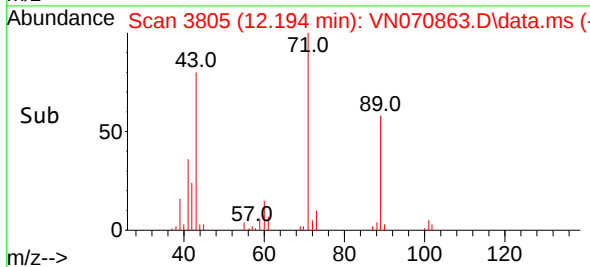
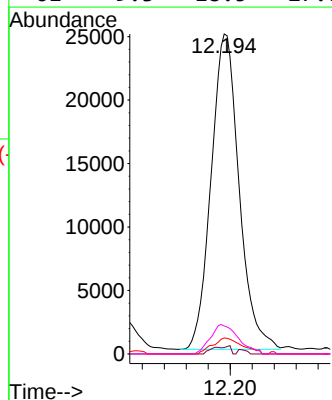
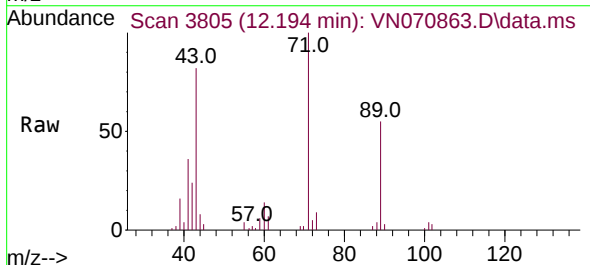
Instrument :
MSVOA_N
ClientSampleId :
TES-3

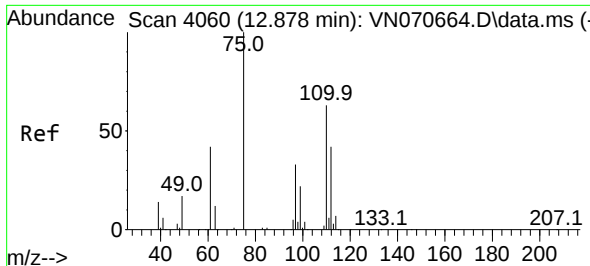
Tgt Ion:152 Resp: 486013
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 157.0 0.0 344.4



#74
N-ethyl acetate
Concen: 2.335 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 43 Resp: 43900
Ion Ratio Lower Upper
43 100
70 0.9 33.4 50.0#
55 5.3 19.3 28.9#
61 9.3 18.5 27.7#

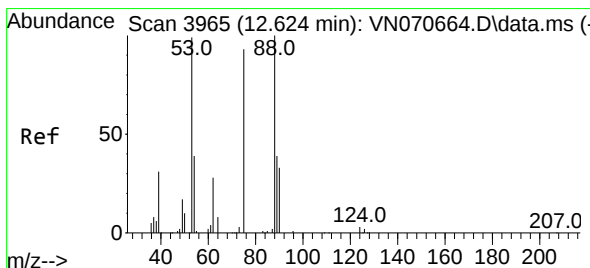
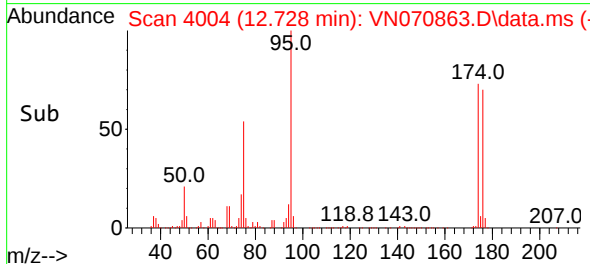
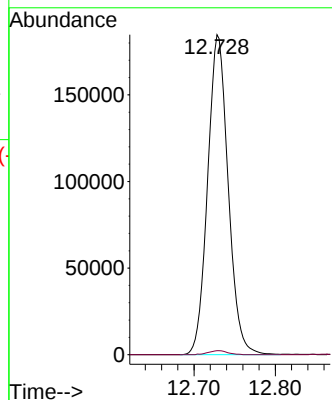
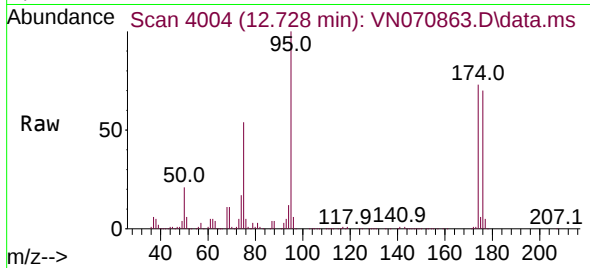




#76
1,2,3-Trichloropropane
Concen: 25.134 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

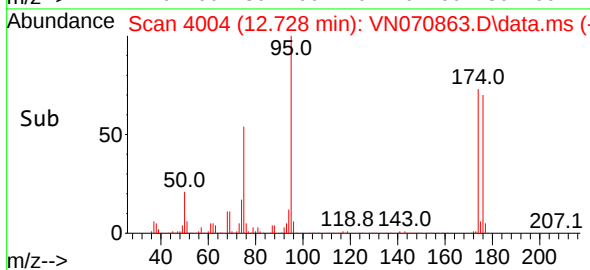
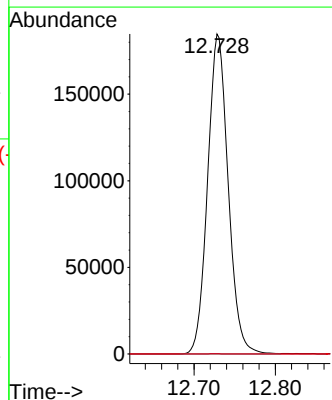
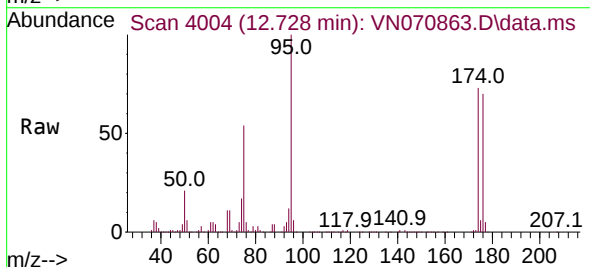
Instrument :
MSVOA_N
ClientSampleId :
TES-3

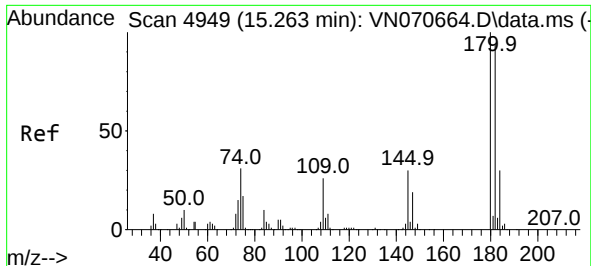
Tgt Ion: 75 Resp: 323992
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.880 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

Tgt Ion: 75 Resp: 323992
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

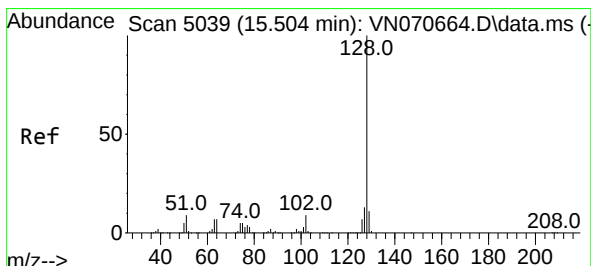
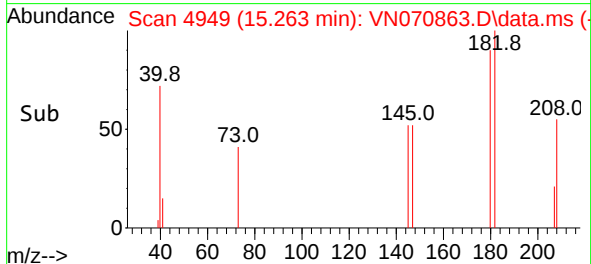
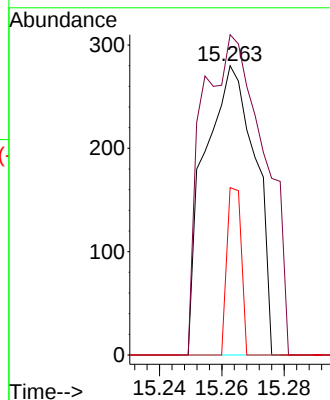
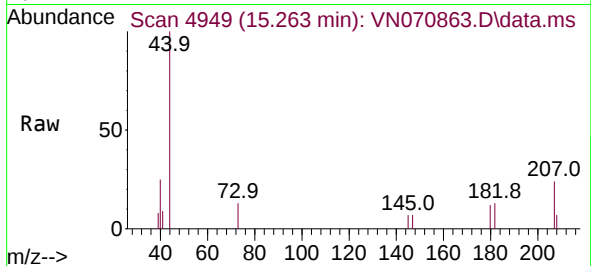




#93
1,2,4-Trichlorobenzene
Concen: 3.458 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

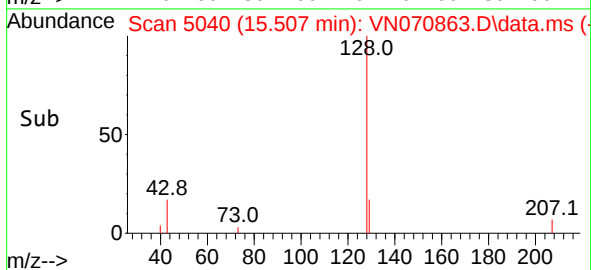
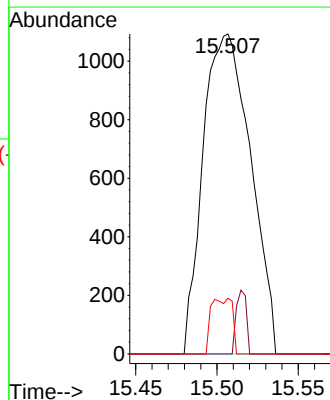
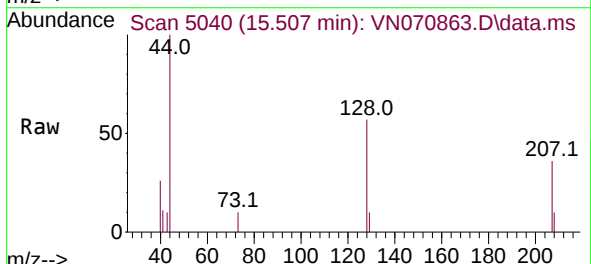
Instrument :
MSVOA_N
ClientSampleId :
TES-3

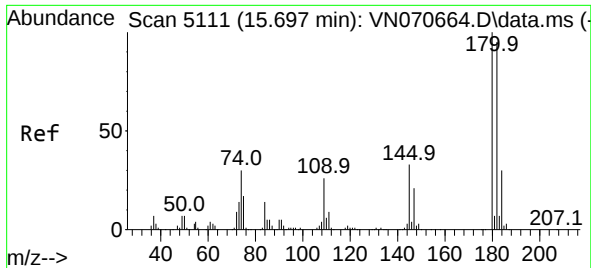
Tgt Ion:180 Resp: 316
Ion Ratio Lower Upper
180 100
182 135.1 48.3 144.9
145 16.5 14.5 43.5



#95
Naphthalene
Concen: 5.028 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070863.D
Acq: 31 Jan 2022 19:56

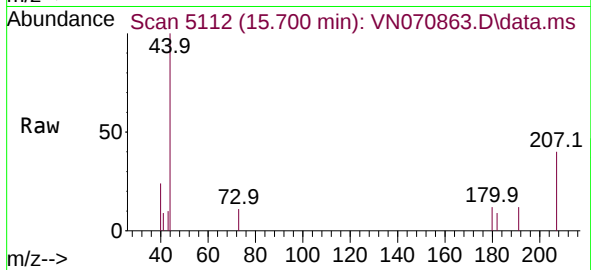
Tgt Ion:128 Resp: 2227
Ion Ratio Lower Upper
128 100
127 4.2 10.5 15.7#
129 7.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.249 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070863.D
 Acq: 31 Jan 2022 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 TES-3



Tgt Ion:180 Resp: 301
 Ion Ratio Lower Upper
 180 100
 182 49.2 47.4 142.2
 145 0.0 15.0 45.1#

