

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013122\
 Data File : VN070864.D
 Acq On : 31 Jan 2022 20:22
 Operator : JC/MD
 Sample : N1325-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TES-4

Quant Time: Feb 01 05:03:19 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)

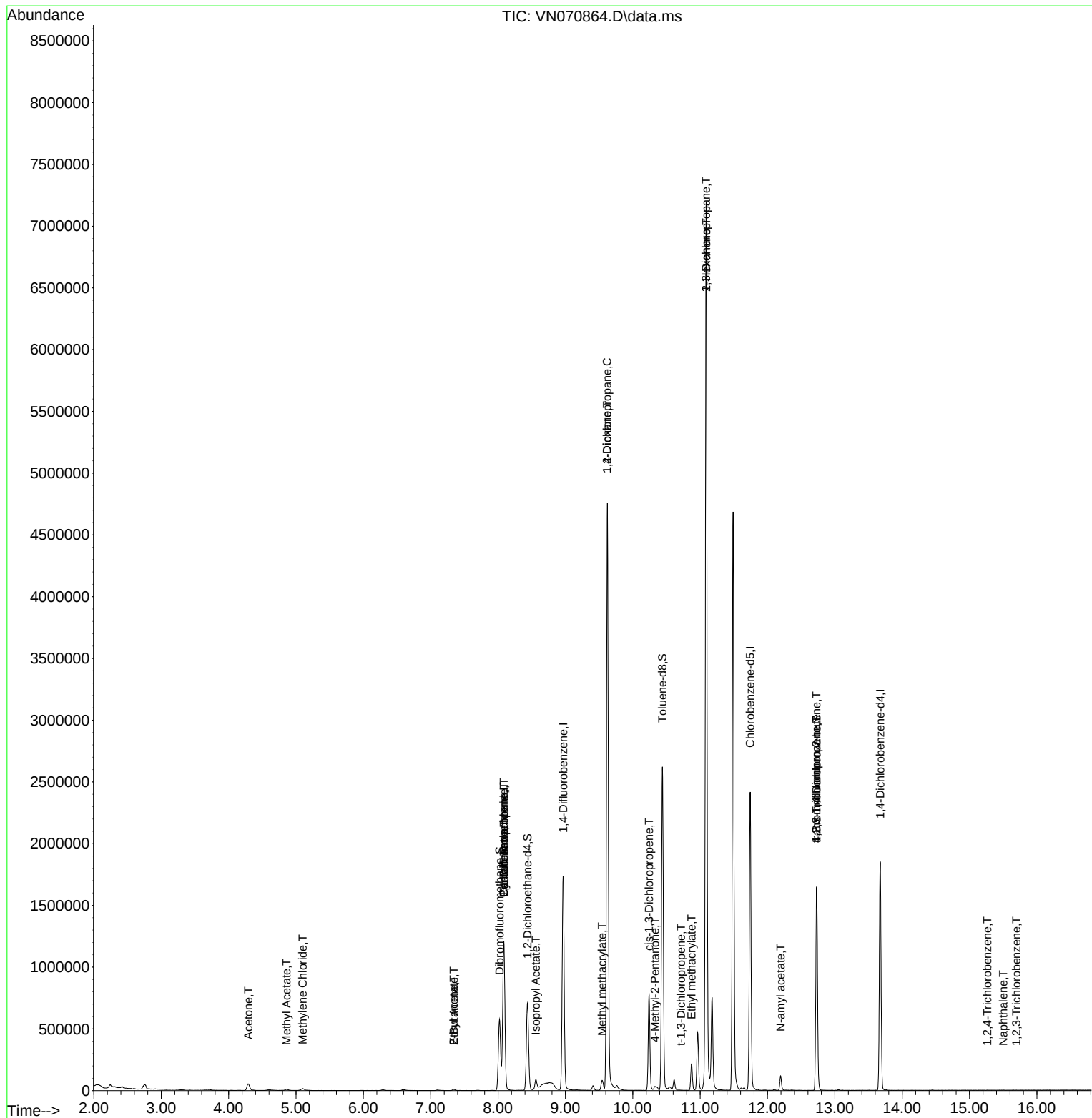
Internal Standards						
1) Pentafluorobenzene	8.086	168	916940	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1479195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1365062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	505427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	628259	47.808	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.620%		
35) Dibromofluoromethane	8.021	113	424888	46.307	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.620%		
50) Toluene-d8	10.440	98	1836166	47.503	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.000%		
62) 4-Bromofluorobenzene	12.728	95	604736	43.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.800%		
Target Compounds						
						Qvalue
16) Acetone	4.293	43	99530	10.912	ug/l	96
18) Methyl Acetate	4.859	43	19667	1.096	ug/l #	88
20) Methylene Chloride	5.101	84	10510	0.875	ug/l	92
25) 2-Butanone	7.343	43	17883	1.558	ug/l #	87
30) Chloroform	8.086	83	79	Below Cal	#	18
31) Cyclohexane	8.086	56	21292	0.920	ug/l #	6
36) 1,1-Dichloropropene	8.086	75	75508	4.888	ug/l #	49
37) Ethyl Acetate	7.343	43	17883	0.872	ug/l #	68
38) Carbon Tetrachloride	8.086	117	94174	6.853	ug/l #	17
43) Isopropyl Acetate	8.560	43	111430	3.557	ug/l #	82
45) 1,2-Dichloropropane	9.620	63	5509	0.423	ug/l #	44
48) Methyl methacrylate	9.545	41	25259	1.693	ug/l #	8
49) 1,4-Dioxane	9.620	88	615	2.744	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	15387	0.770	ug/l #	80
53) t-1,3-Dichloropropene	10.717	75	57	2.407	ug/l #	43
54) cis-1,3-Dichloropropene	10.242	75	135990	7.326	ug/l #	61
56) Ethyl methacrylate	10.872	69	1148	2.353	ug/l #	1
57) 1,3-Dichloropropane	11.087	76	72537	3.643	ug/l #	43
59) 2-Hexanone	11.089	43	1211754	83.456	ug/l #	49
74) N-amyl acetate	12.194	43	42744	2.186	ug/l #	52
76) 1,2,3-Trichloropropane	12.728	75	327257	24.413	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	327257	72.729	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	83	3.433	ug/l #	1
95) Naphthalene	15.501	128	1826	5.011	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.697	180	197	3.237	ug/l #	66

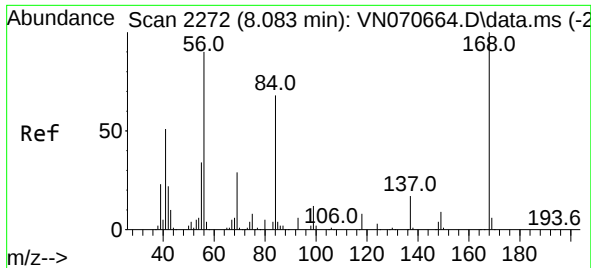
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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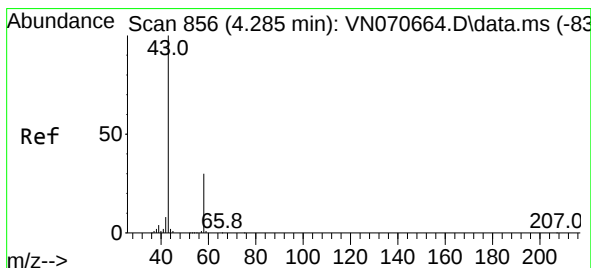
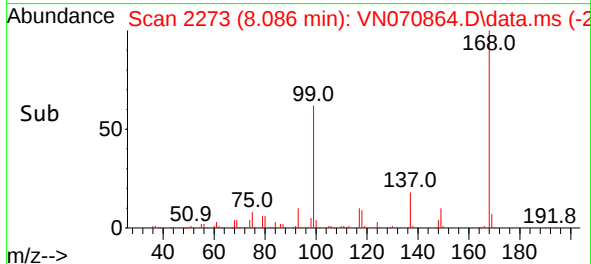
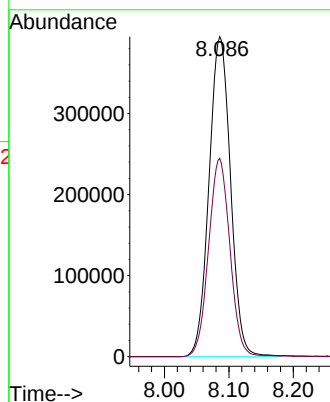
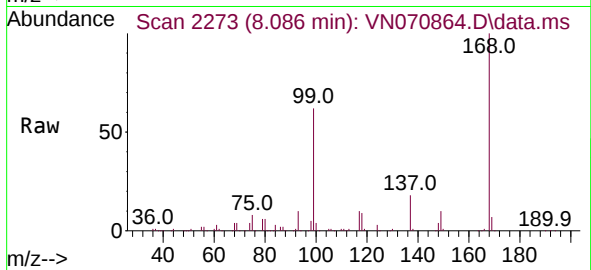




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

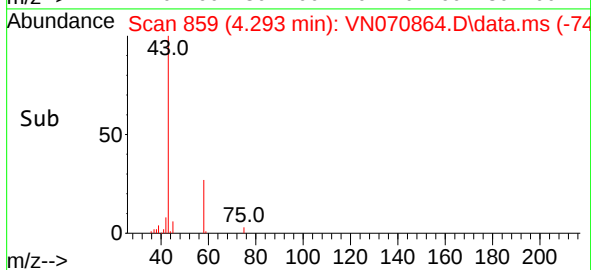
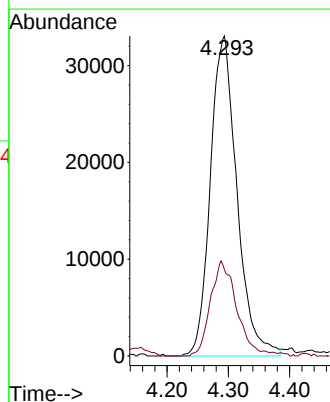
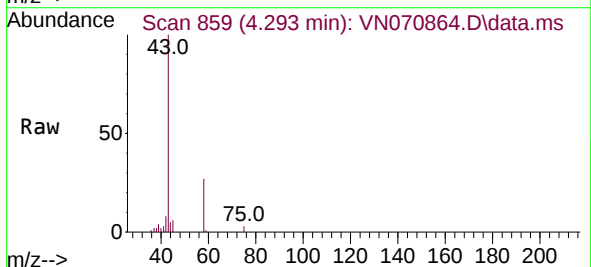
Instrument :
MSVOA_N
ClientSampleId :
TES-4

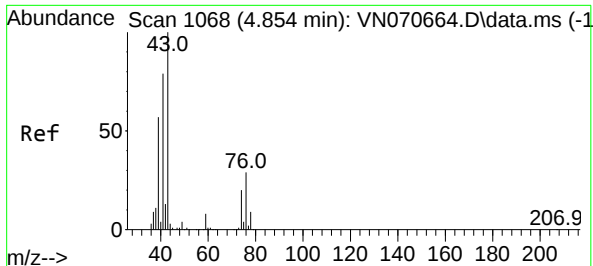
Tgt Ion:168 Resp: 916940
Ion Ratio Lower Upper
168 100
99 62.0 41.3 61.9#



#16
Acetone
Concen: 10.912 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion: 43 Resp: 99530
Ion Ratio Lower Upper
43 100
58 27.0 23.1 34.7





#18

Methyl Acetate

Concen: 1.096 ug/l

RT: 4.859 min Scan# 1160

Delta R.T. 0.005 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

Instrument :

MSVOA_N

ClientSampleId :

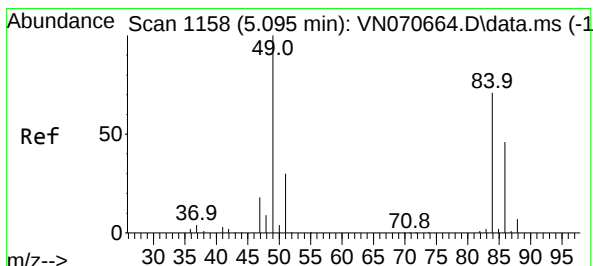
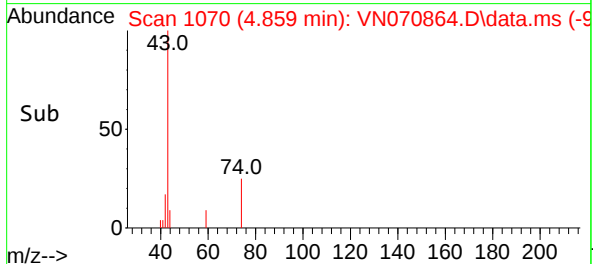
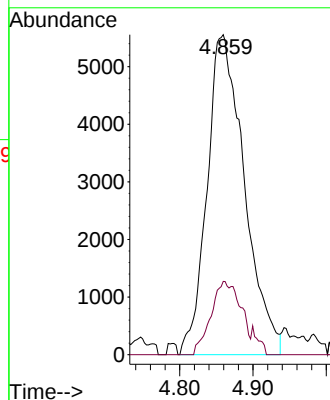
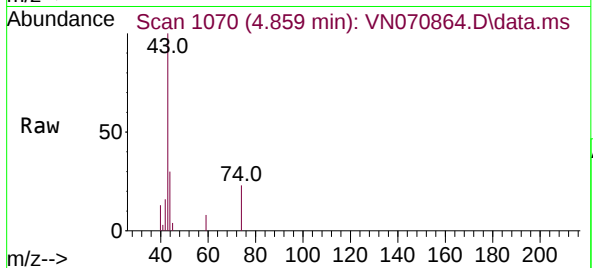
TES-4

Tgt Ion: 43 Resp: 19667

Ion Ratio Lower Upper

43 100

74 18.3 19.4 29.2#



#20

Methylene Chloride

Concen: 0.875 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

Tgt Ion: 84 Resp: 10510

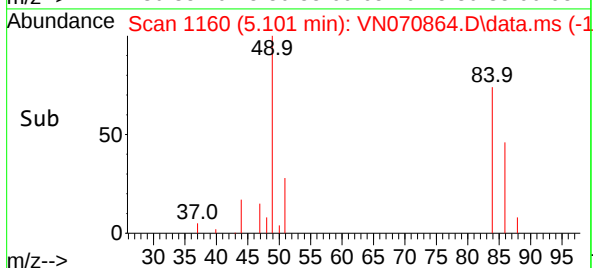
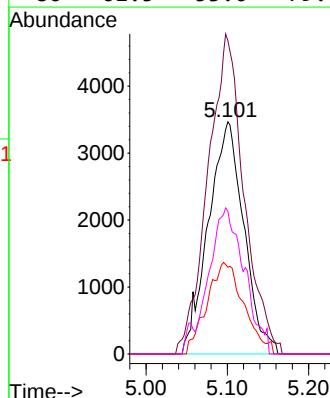
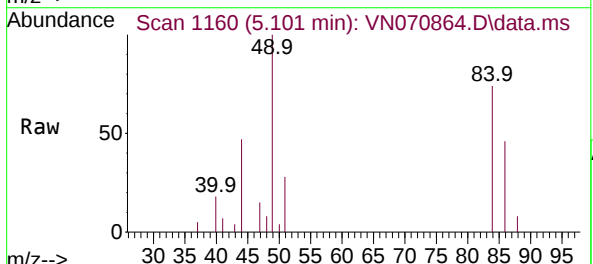
Ion Ratio Lower Upper

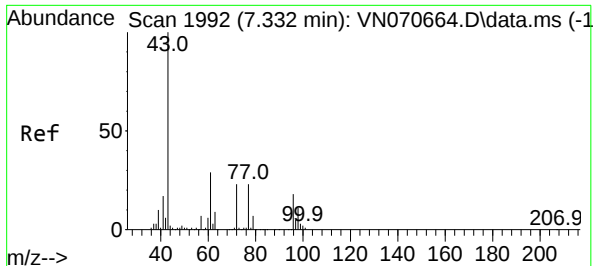
84 100

49 130.3 93.5 140.3

51 37.4 29.4 44.2

86 61.5 53.0 79.4





#25

2-Butanone

Concen: 1.558 ug/l

RT: 7.343 min Scan# 1992

Delta R.T. 0.011 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

Instrument :

MSVOA_N

ClientSampleId :

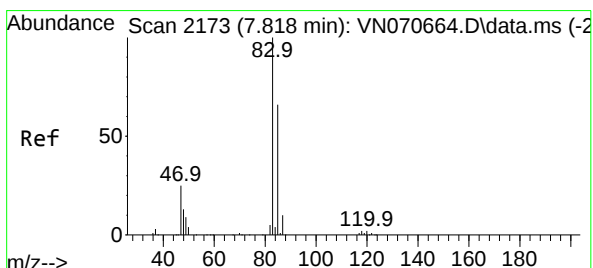
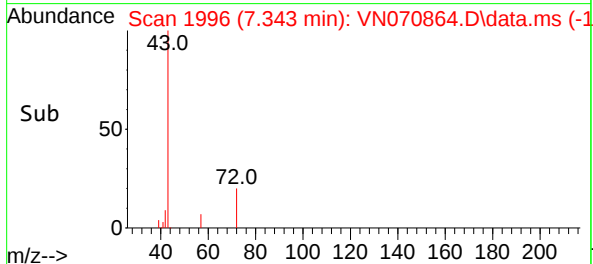
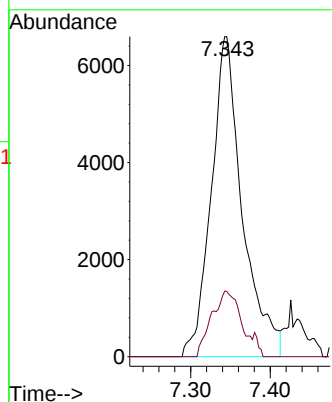
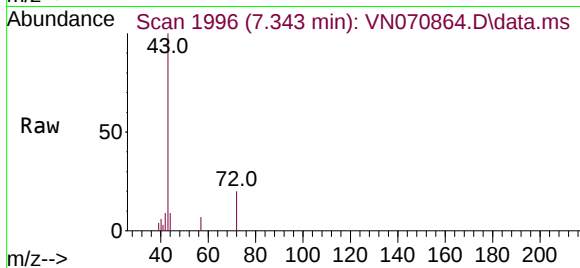
TES-4

Tgt Ion: 43 Resp: 17883

Ion Ratio Lower Upper

43 100

72 20.5 21.7 32.5#



#30

Chloroform

Concen: Below Cal

RT: 8.086 min Scan# 2273

Delta R.T. 0.268 min

Lab File: VN070864.D

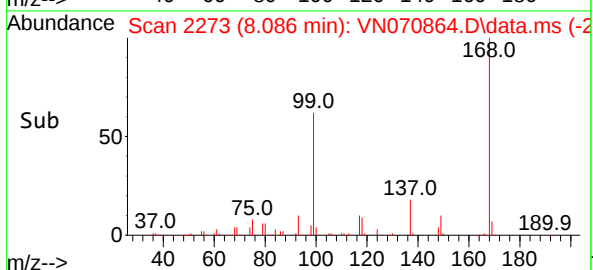
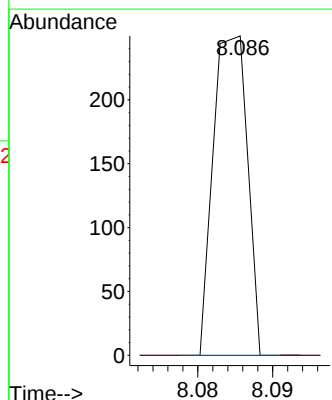
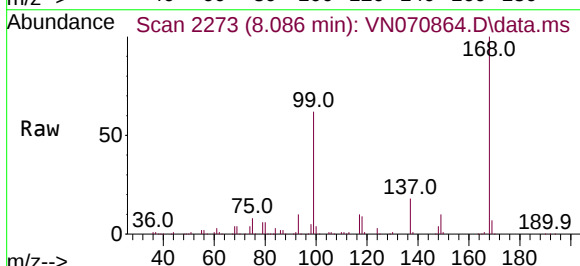
Acq: 31 Jan 2022 20:22

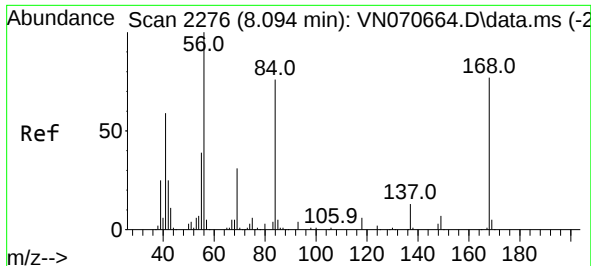
Tgt Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#

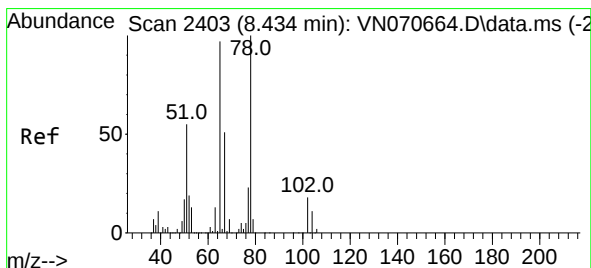
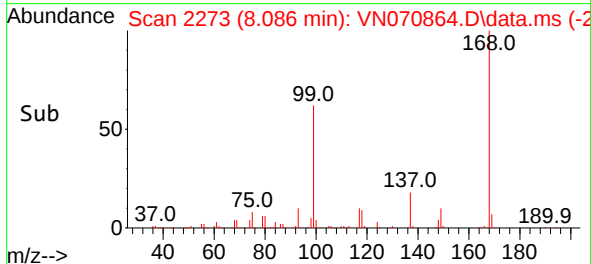
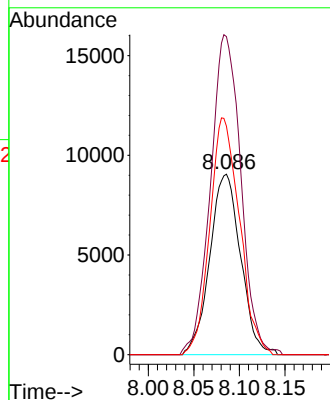
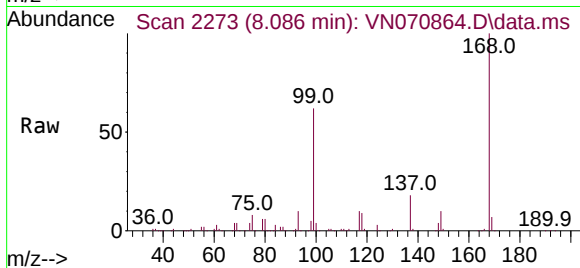




#31
Cyclohexane
Concen: 0.920 ug/l
RT: 8.086 min Scan# 21292
Delta R.T. -0.008 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

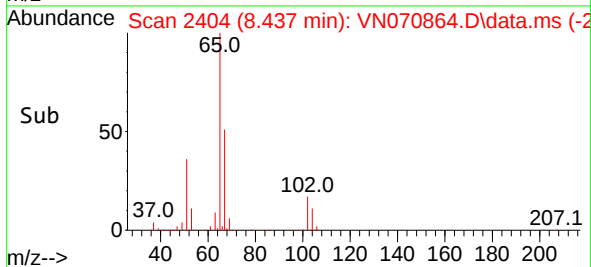
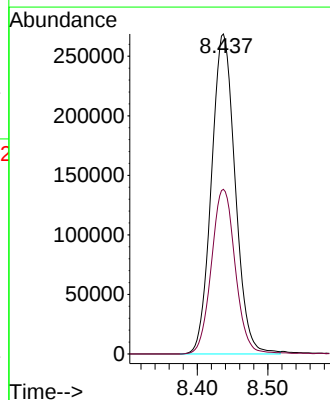
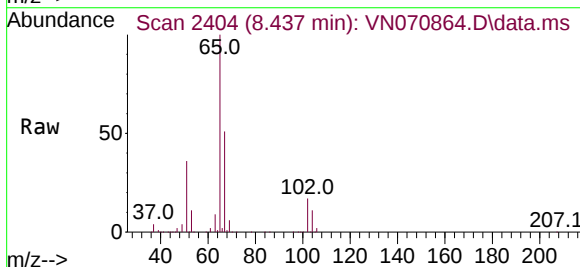
Instrument :
MSVOA_N
ClientSampleId :
TES-4

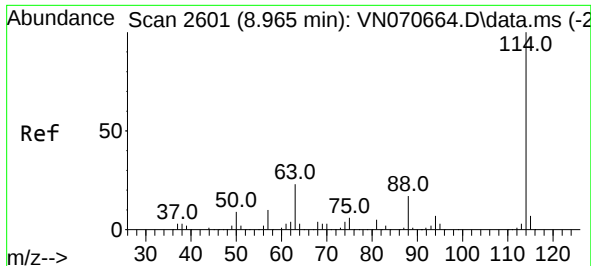
Tgt Ion: 56 Resp: 21292
Ion Ratio Lower Upper
56 100
69 176.3 27.1 40.7#
84 126.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.808 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion: 65 Resp: 628259
Ion Ratio Lower Upper
65 100
67 51.8 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: VN070864.D

Acq: 31 Jan 2022 20:22

Instrument :

MSVOA_N

ClientSampleId :

TES-4

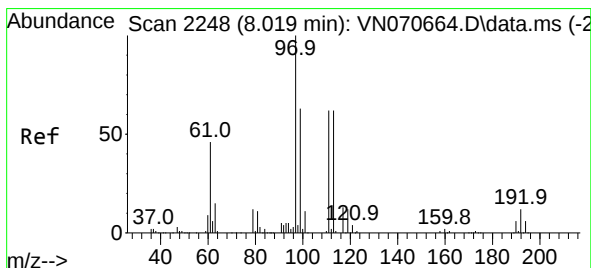
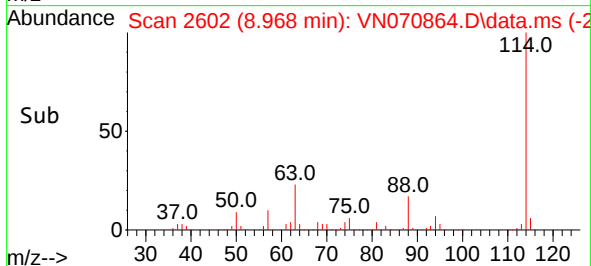
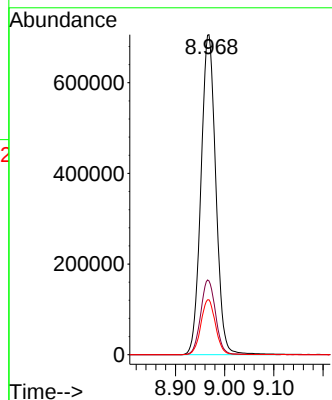
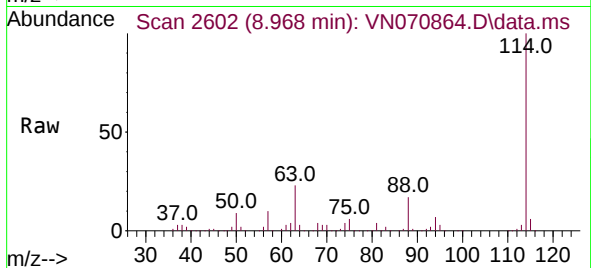
Tgt Ion:114 Resp: 1479195

Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 17.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.307 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.002 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

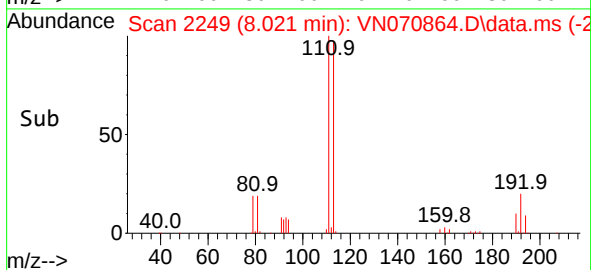
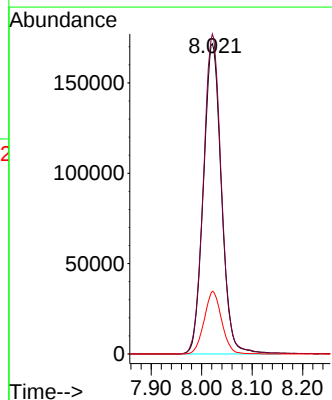
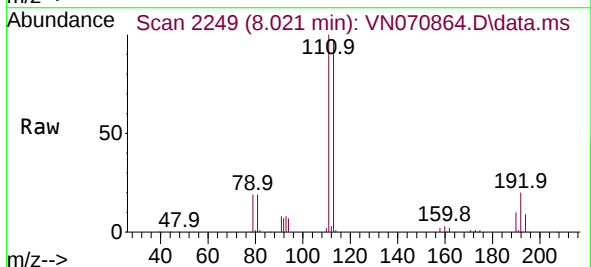
Tgt Ion:113 Resp: 424888

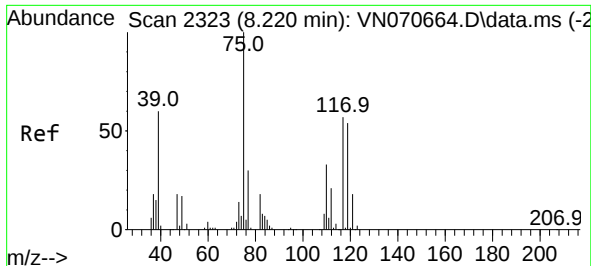
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 19.7 16.9 25.3

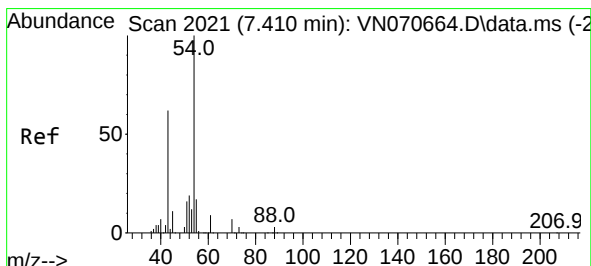
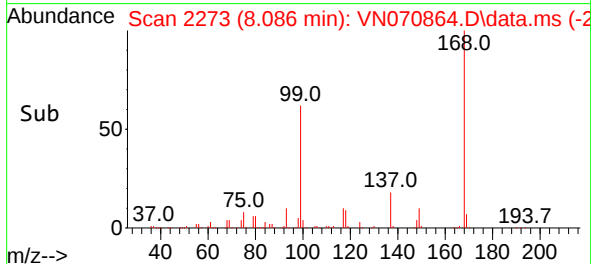
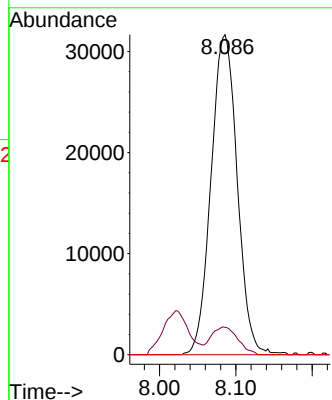
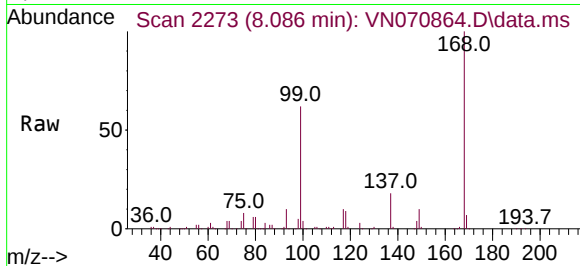




#36
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.134 min
 Lab File: VN070864.D
 Acq: 31 Jan 2022 20:22

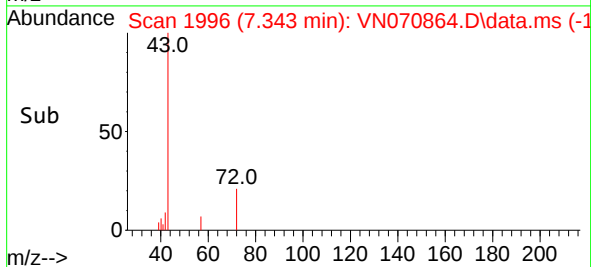
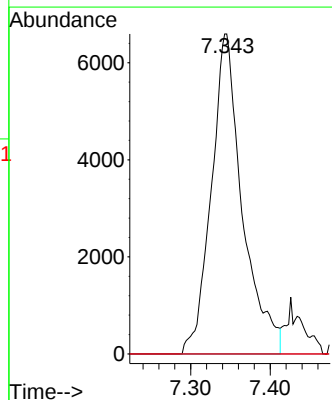
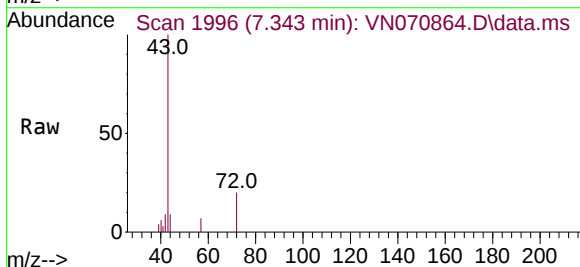
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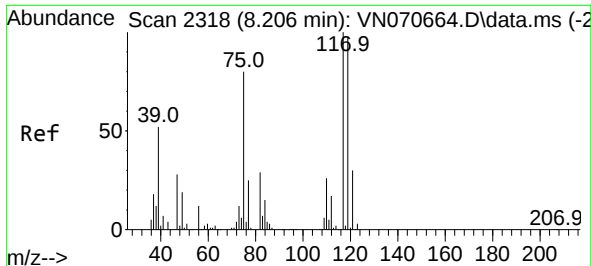
Tgt Ion: 75 Resp: 75508
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.872 ug/l
 RT: 7.343 min Scan# 1996
 Delta R.T. -0.067 min
 Lab File: VN070864.D
 Acq: 31 Jan 2022 20:22

Tgt Ion: 43 Resp: 17883
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#

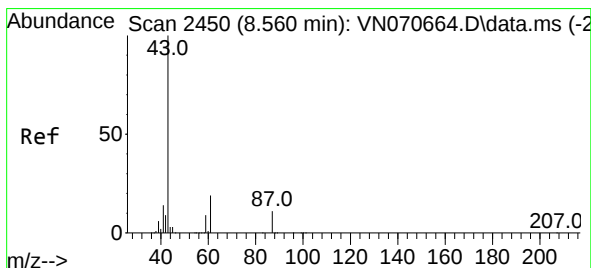
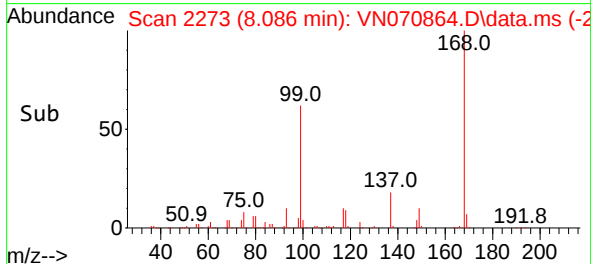
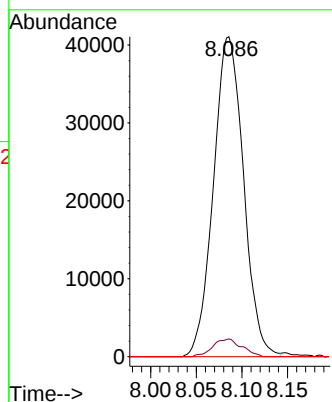
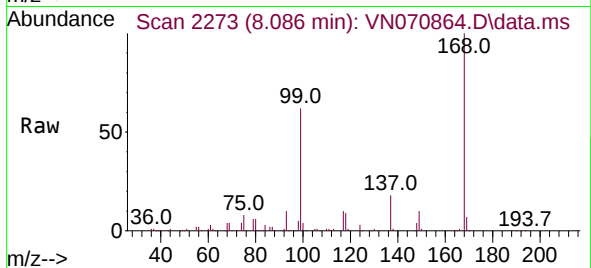




#38
Carbon Tetrachloride
Concen: 6.853 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

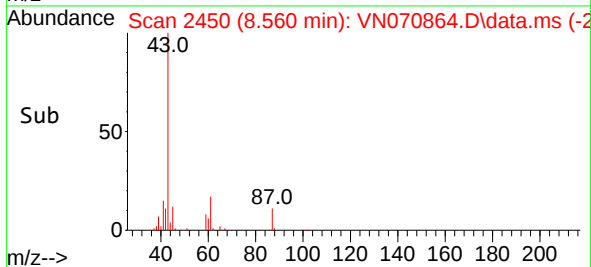
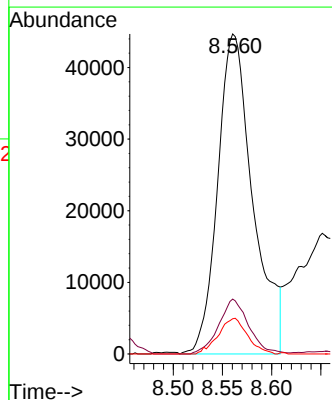
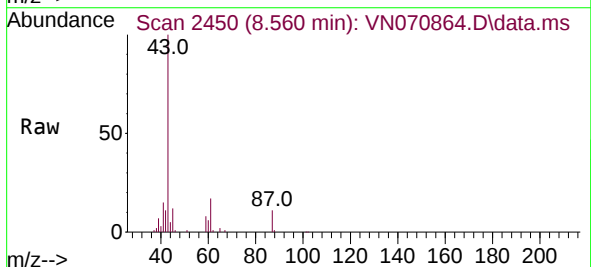
Instrument :
MSVOA_N
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TES-4

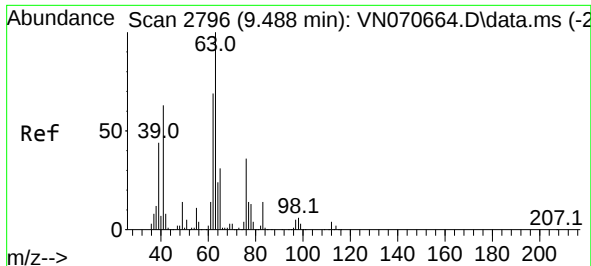
Tgt Ion:117 Resp: 94174
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.557 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion: 43 Resp: 111430
Ion Ratio Lower Upper
43 100
61 14.6 20.4 30.6#
87 9.2 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.423 ug/l

RT: 9.620 min Scan# 21

Delta R.T. 0.132 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

Instrument :

MSVOA_N

ClientSampleId :

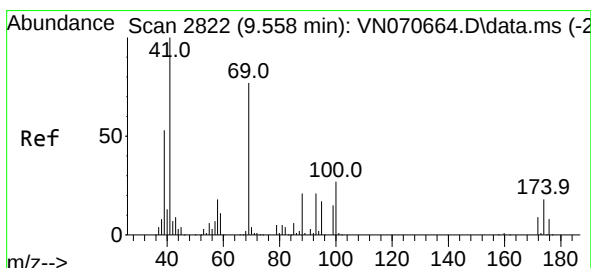
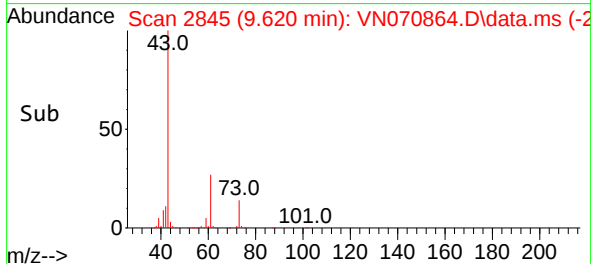
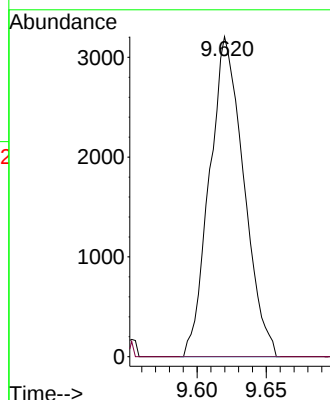
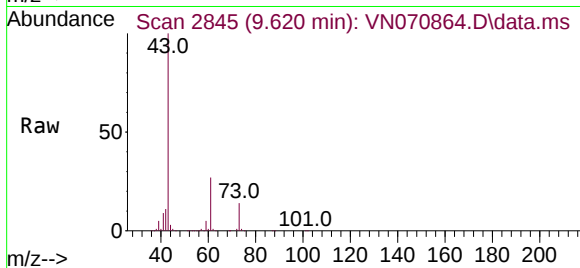
TES-4

Tgt Ion: 63 Resp: 5509

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.693 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.013 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

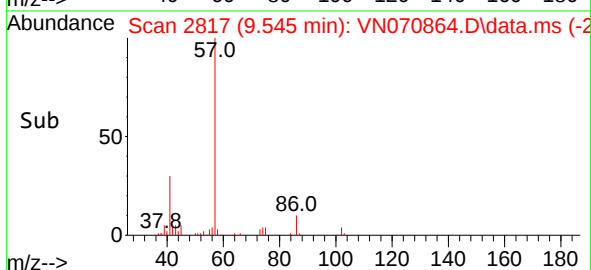
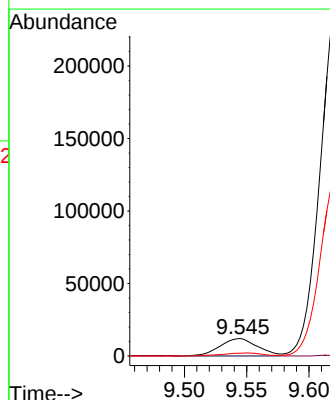
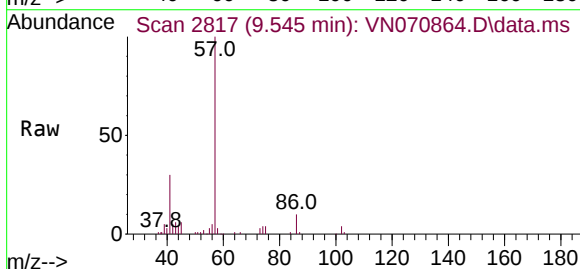
Tgt Ion: 41 Resp: 25259

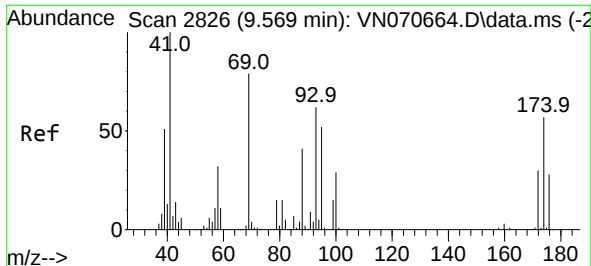
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 2.744 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.051 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

Instrument :

MSVOA_N

ClientSampleId :

TES-4

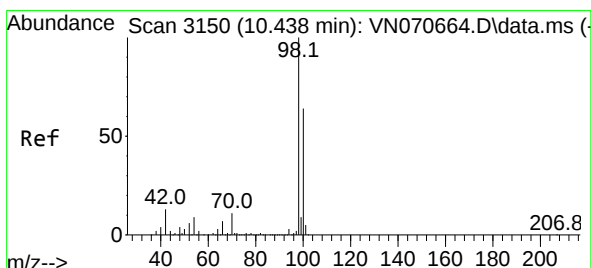
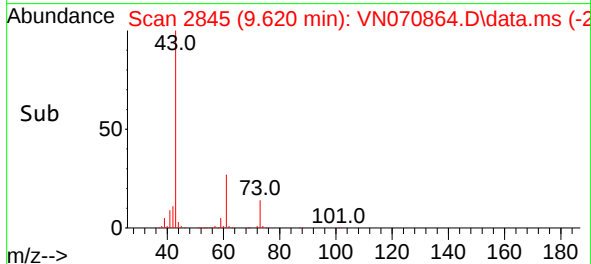
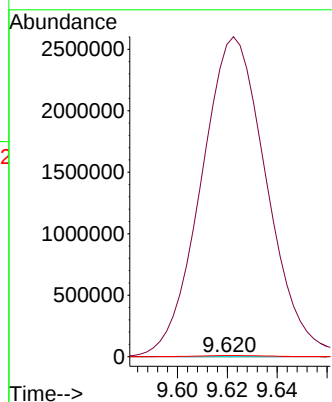
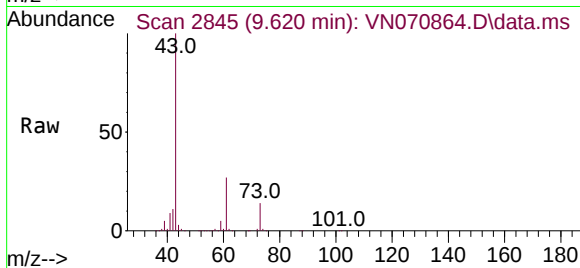
Tgt Ion: 88 Resp: 615

Ion Ratio Lower Upper

88 100

43 791212.7 23.4 35.2#

58 2942.0 50.6 75.8#



#50

Toluene-d8

Concen: 47.503 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070864.D

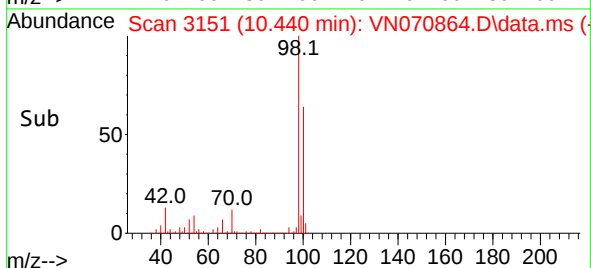
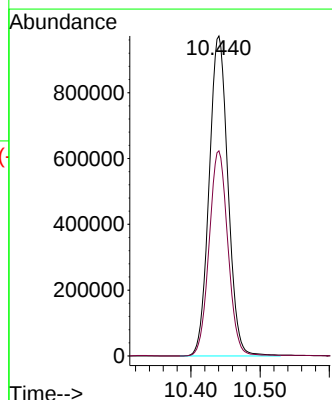
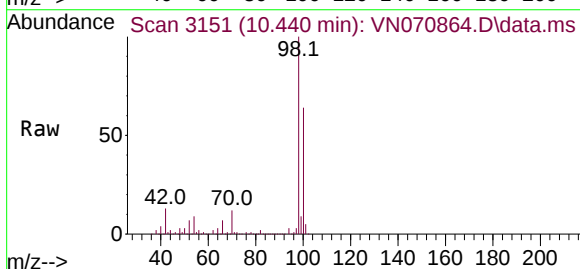
Acq: 31 Jan 2022 20:22

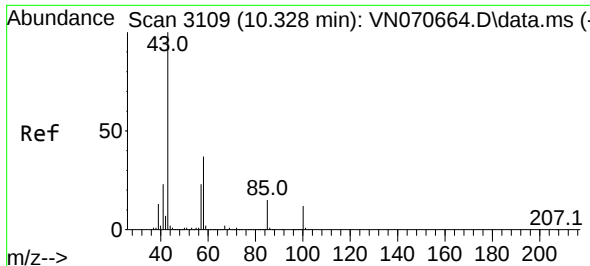
Tgt Ion: 98 Resp: 1836166

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.770 ug/l

RT: 10.330 min Scan# 3109

Delta R.T. 0.002 min

Lab File: VN070864.D

Acq: 31 Jan 2022 20:22

Instrument :

MSVOA_N

ClientSampleId :

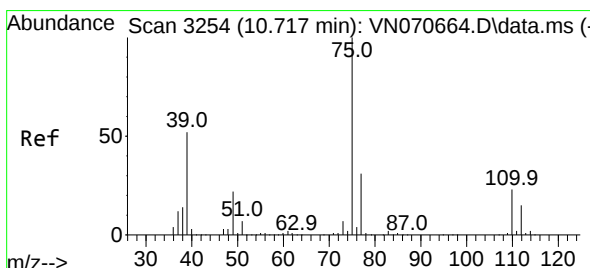
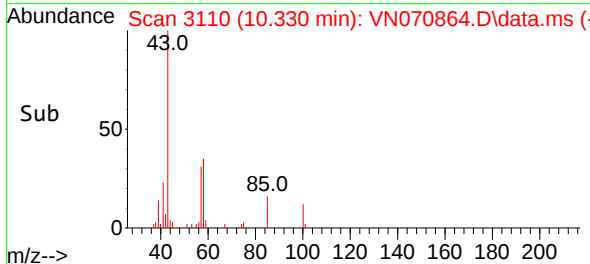
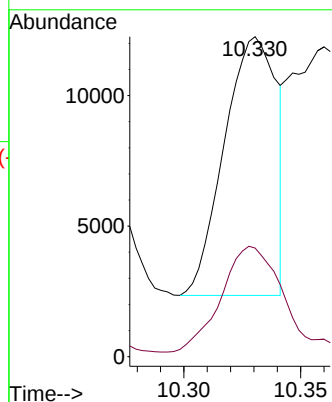
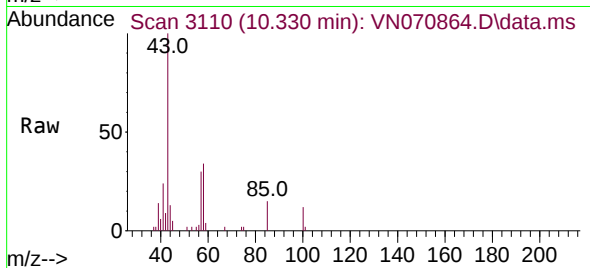
TES-4

Tgt Ion: 43 Resp: 15387

Ion Ratio Lower Upper

43 100

58 50.0 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.407 ug/l

RT: 10.717 min Scan# 3254

Delta R.T. -0.000 min

Lab File: VN070864.D

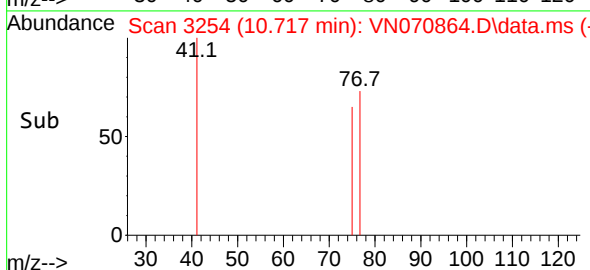
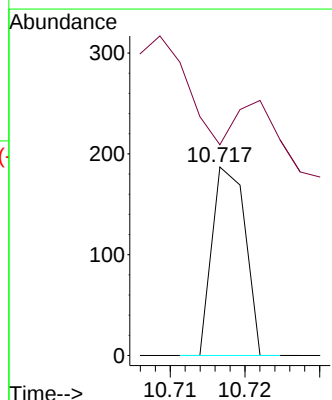
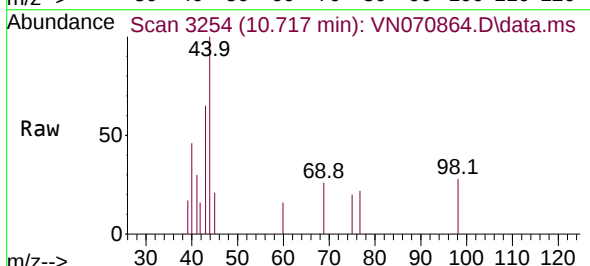
Acq: 31 Jan 2022 20:22

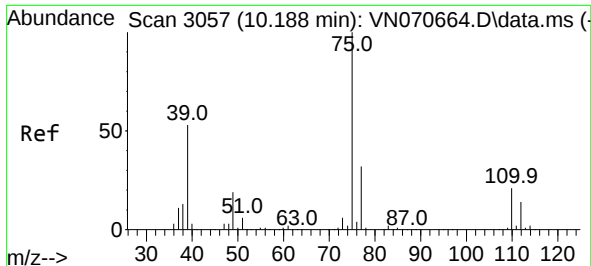
Tgt Ion: 75 Resp: 57

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

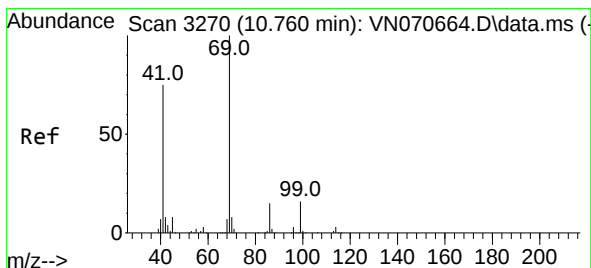
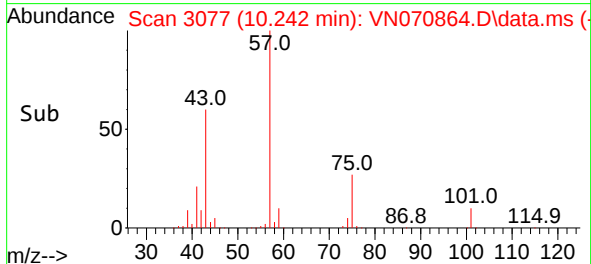
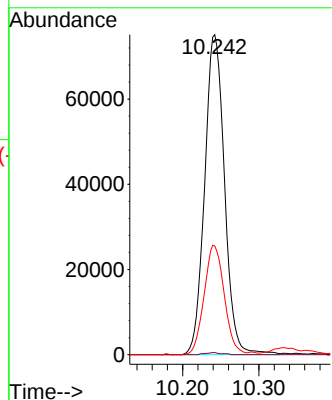
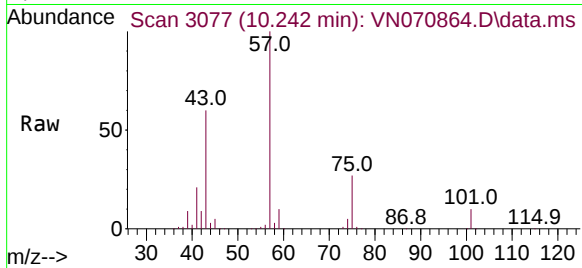




#54
 cis-1,3-Dichloropropene
 Concen: 7.326 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070864.D
 Acq: 31 Jan 2022 20:22

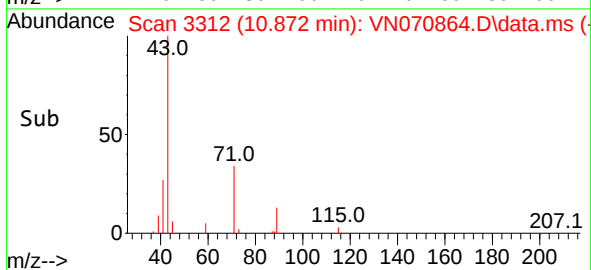
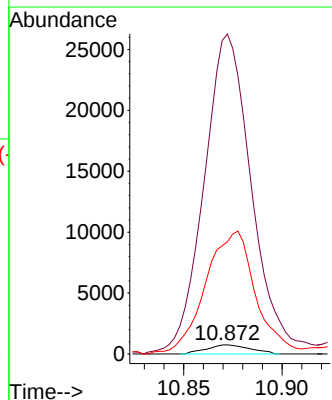
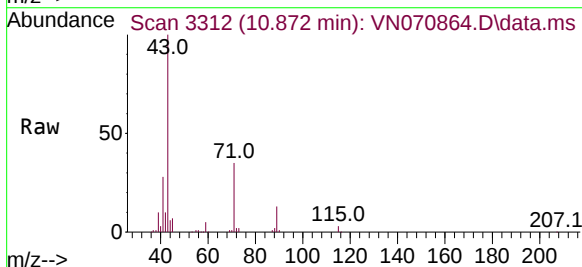
Instrument :
 MSVOA_N
 ClientSampleId :
 TES-4

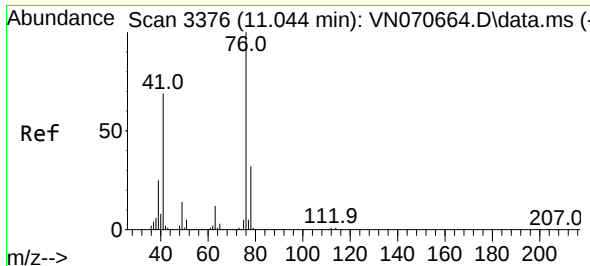
Tgt Ion: 75 Resp: 135990
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 34.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.353 ug/l
 RT: 10.872 min Scan# 3312
 Delta R.T. 0.112 min
 Lab File: VN070864.D
 Acq: 31 Jan 2022 20:22

Tgt Ion: 69 Resp: 1148
 Ion Ratio Lower Upper
 69 100
 41 3864.9 51.4 77.0#
 39 1554.9 34.6 52.0#

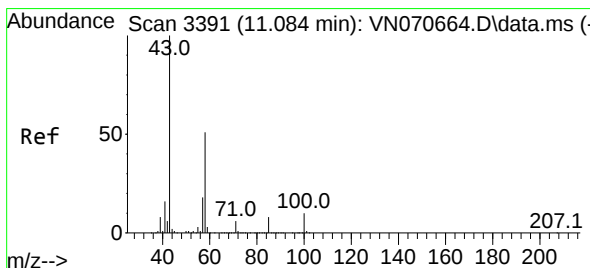
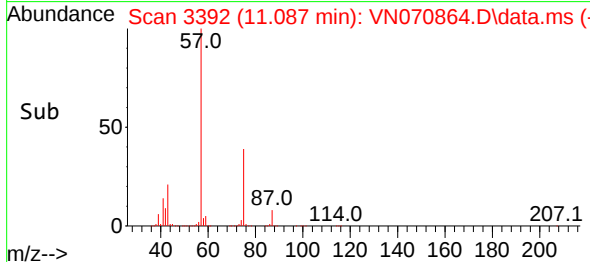
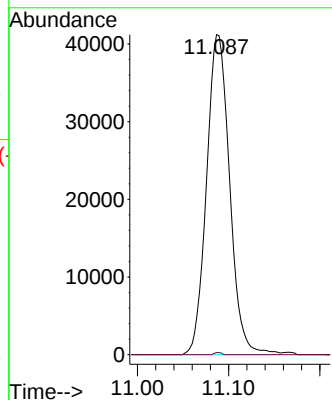
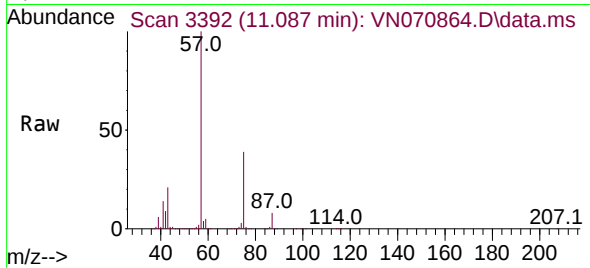




#57
1,3-Dichloropropane
Concen: 3.643 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.043 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

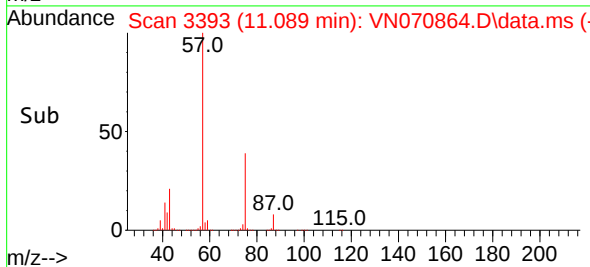
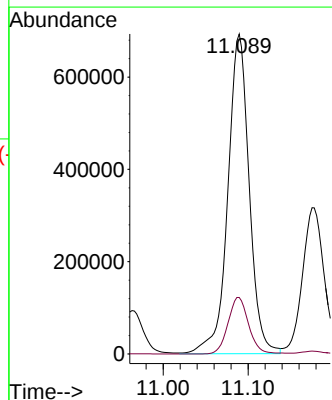
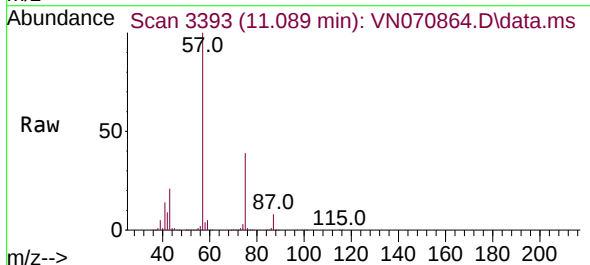
Instrument :
MSVOA_N
ClientSampleId :
TES-4

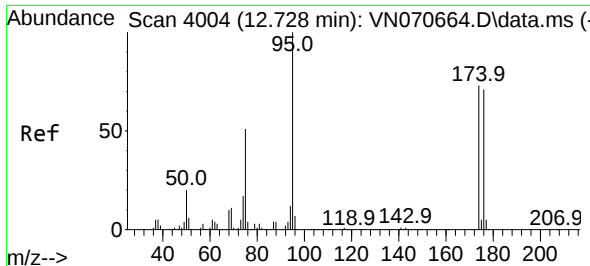
Tgt Ion: 76 Resp: 72537
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 83.456 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion: 43 Resp: 1211754
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#

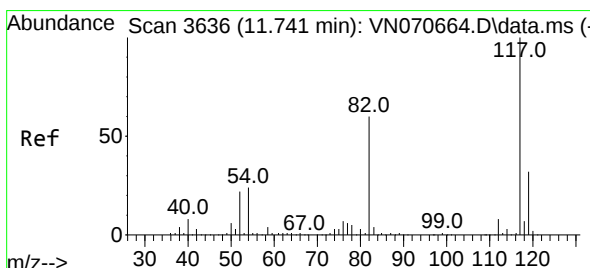
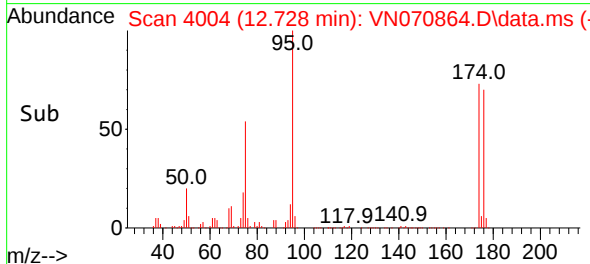
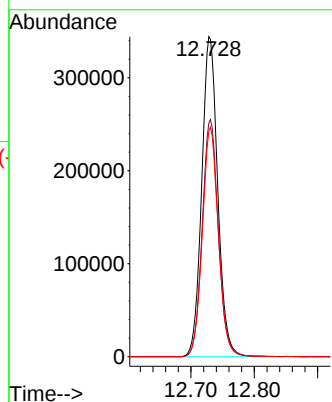
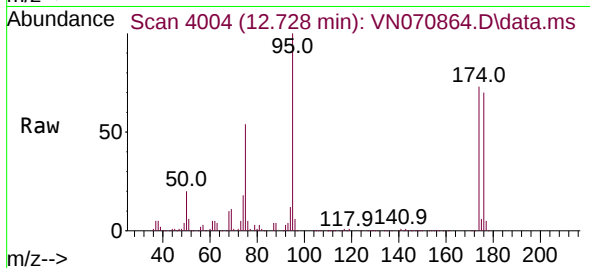




#62
4-Bromofluorobenzene
Concen: 43.904 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

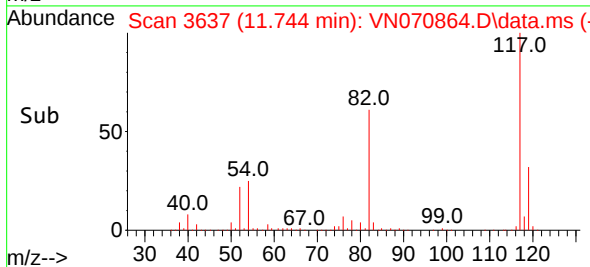
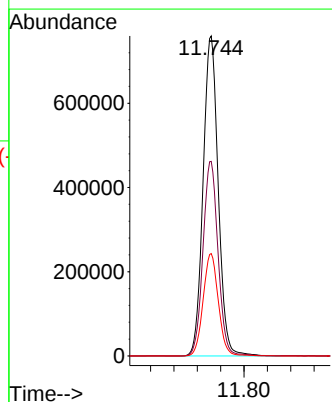
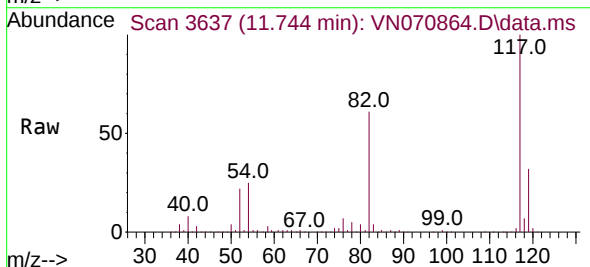
Instrument :
MSVOA_N
ClientSampleId :
TES-4

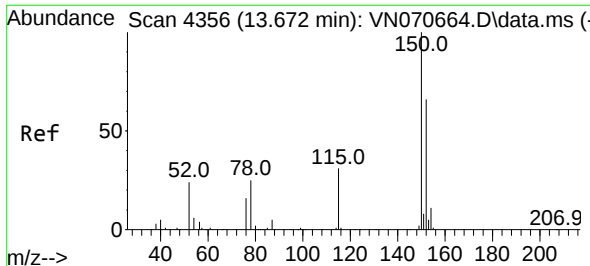
Tgt Ion: 95 Resp: 604736
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 71.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion: 117 Resp: 1365062
Ion Ratio Lower Upper
117 100
82 60.8 42.4 63.6
119 32.0 25.4 38.2

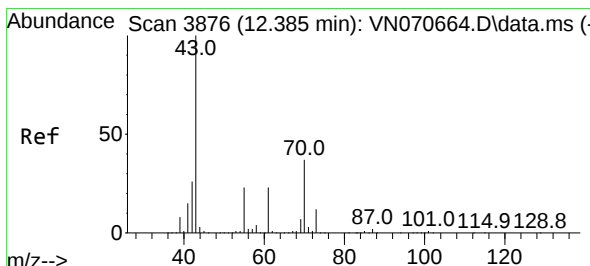
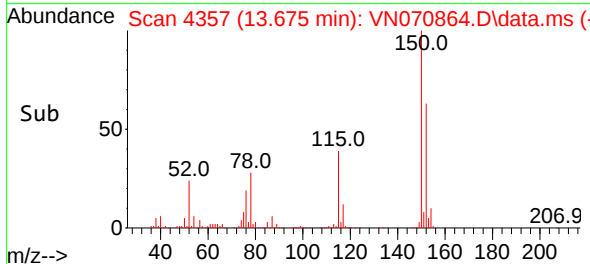
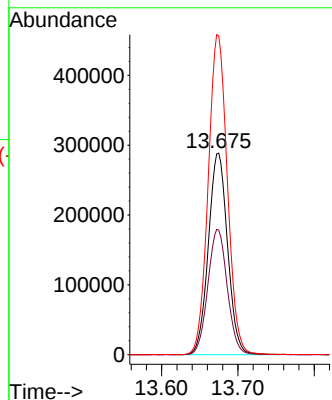
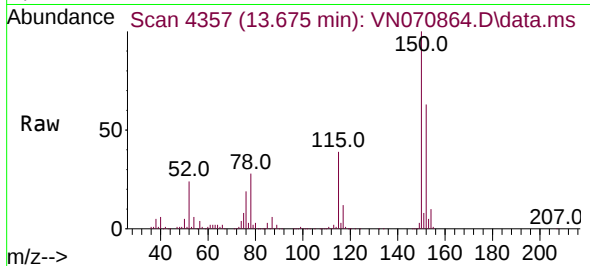




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

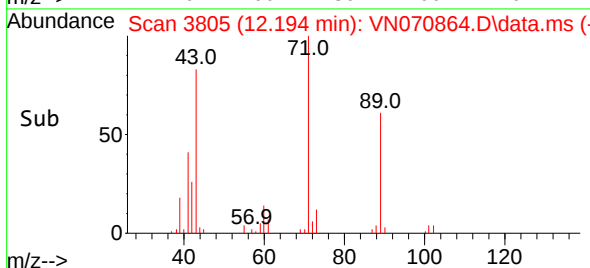
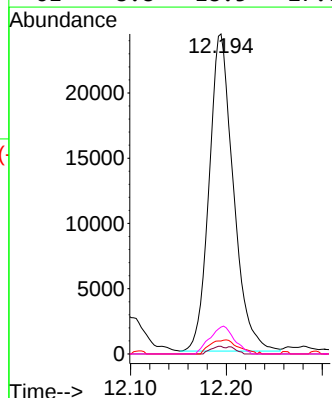
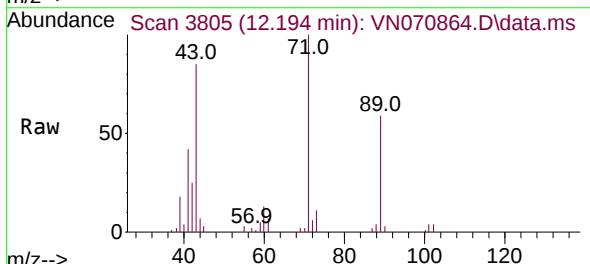
Instrument :
MSVOA_N
ClientSampleId :
TES-4

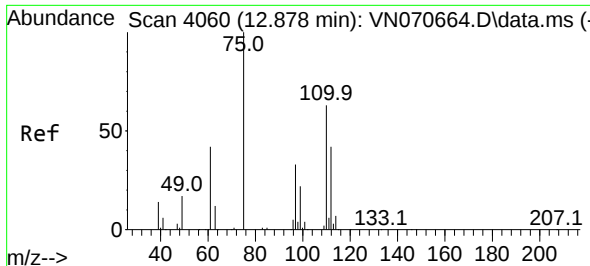
Tgt Ion:152 Resp: 505427
Ion Ratio Lower Upper
152 100
115 62.7 27.5 82.5
150 158.4 0.0 344.4



#74
N-ethyl acetate
Concen: 2.186 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion: 43 Resp: 42744
Ion Ratio Lower Upper
43 100
70 1.5 33.4 50.0#
55 5.2 19.3 28.9#
61 8.8 18.5 27.7#

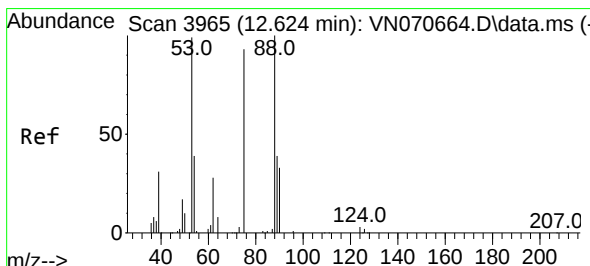
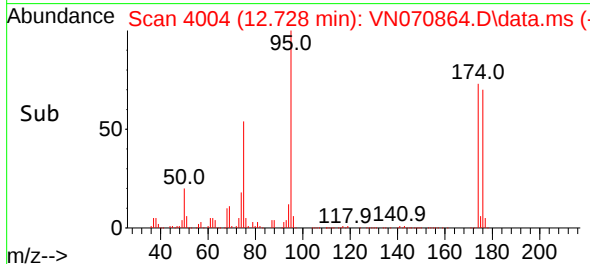
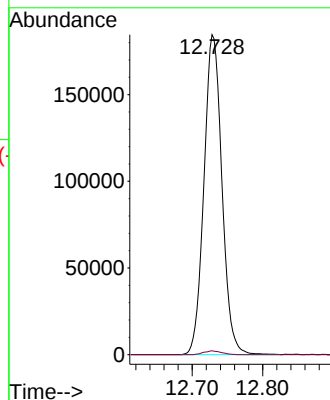
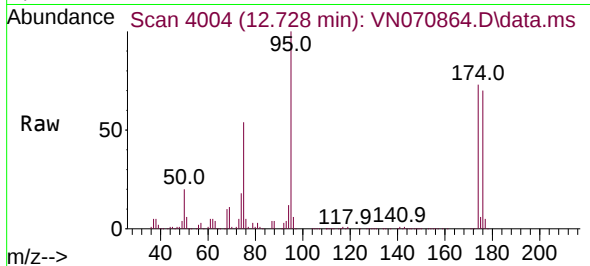




#76
1,2,3-Trichloropropane
Concen: 24.413 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

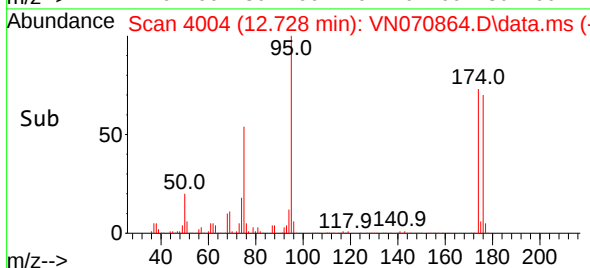
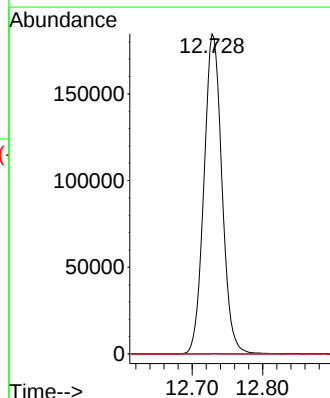
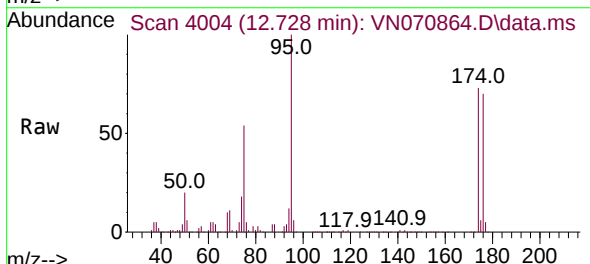
Instrument :
MSVOA_N
ClientSampleId :
TES-4

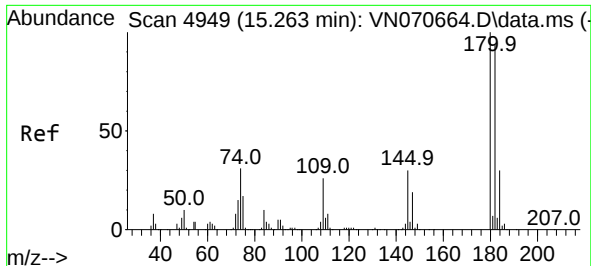
Tgt Ion: 75 Resp: 327257
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.729 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion: 75 Resp: 327257
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

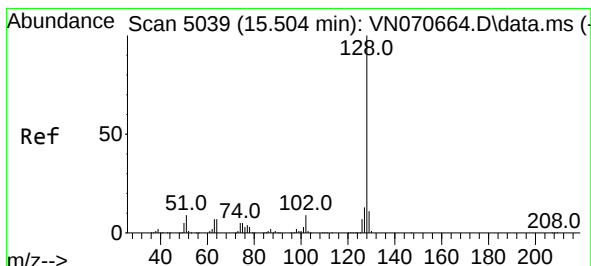
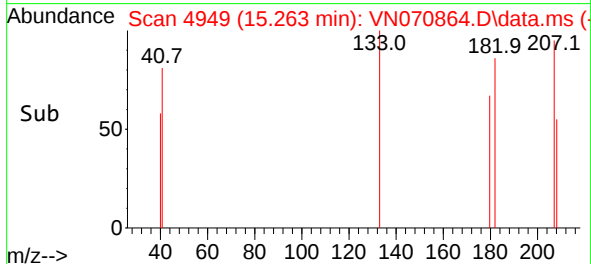
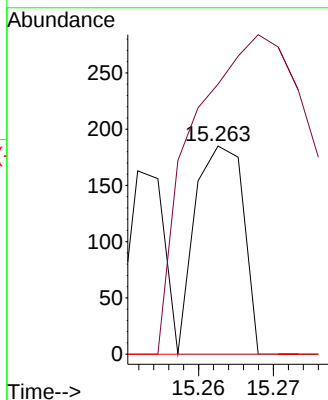
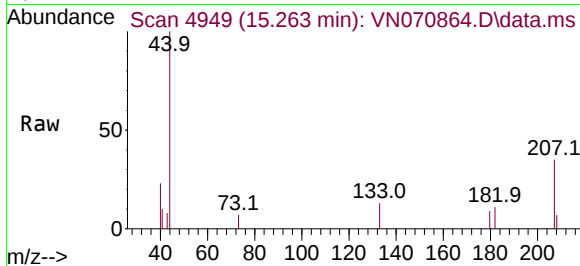




#93
1,2,4-Trichlorobenzene
Concen: 3.433 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

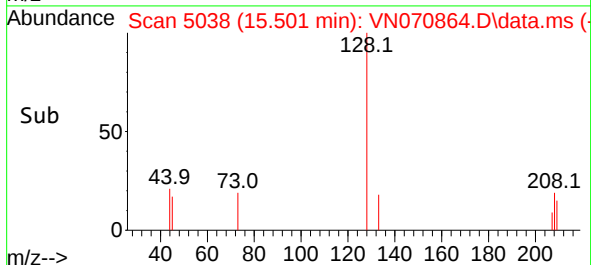
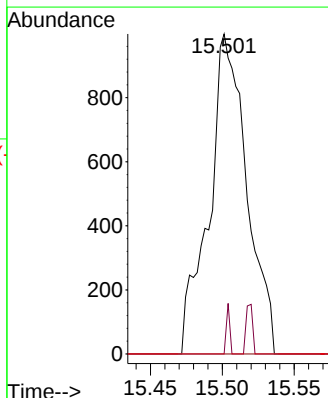
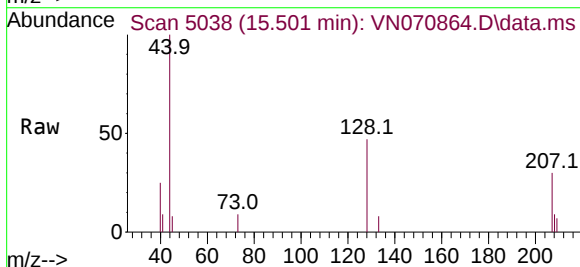
Instrument :
MSVOA_N
ClientSampleId :
TES-4

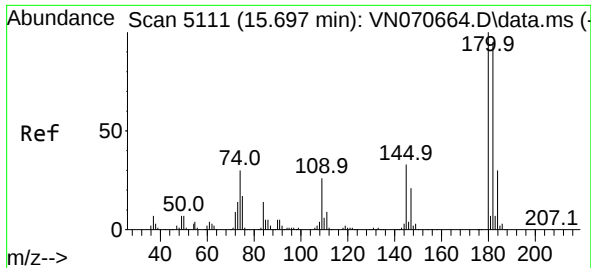
Tgt Ion:180 Resp: 83
Ion Ratio Lower Upper
180 100
182 361.4 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.011 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070864.D
Acq: 31 Jan 2022 20:22

Tgt Ion:128 Resp: 1826
Ion Ratio Lower Upper
128 100
127 1.4 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 3.237 ug/l

RT: 15.697 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN070864.D

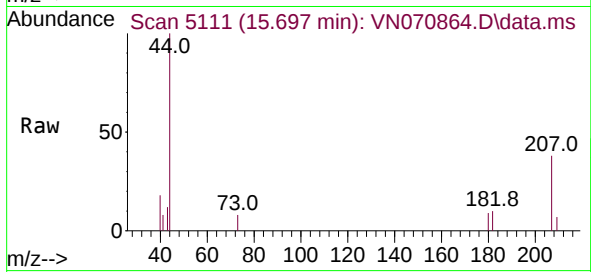
Acq: 31 Jan 2022 20:22

Instrument :

MSVOA_N

ClientSampleId :

TES-4



Tgt Ion:180 Resp: 197

Ion Ratio Lower Upper

180 100

182 68.0 47.4 142.2

145 0.0 15.0 45.1#

