

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013122\
 Data File : VN070860.D
 Acq On : 31 Jan 2022 18:40
 Operator : JC/MD
 Sample : N1287-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-CHARACTER

Quant Time: Feb 01 05:01:56 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)

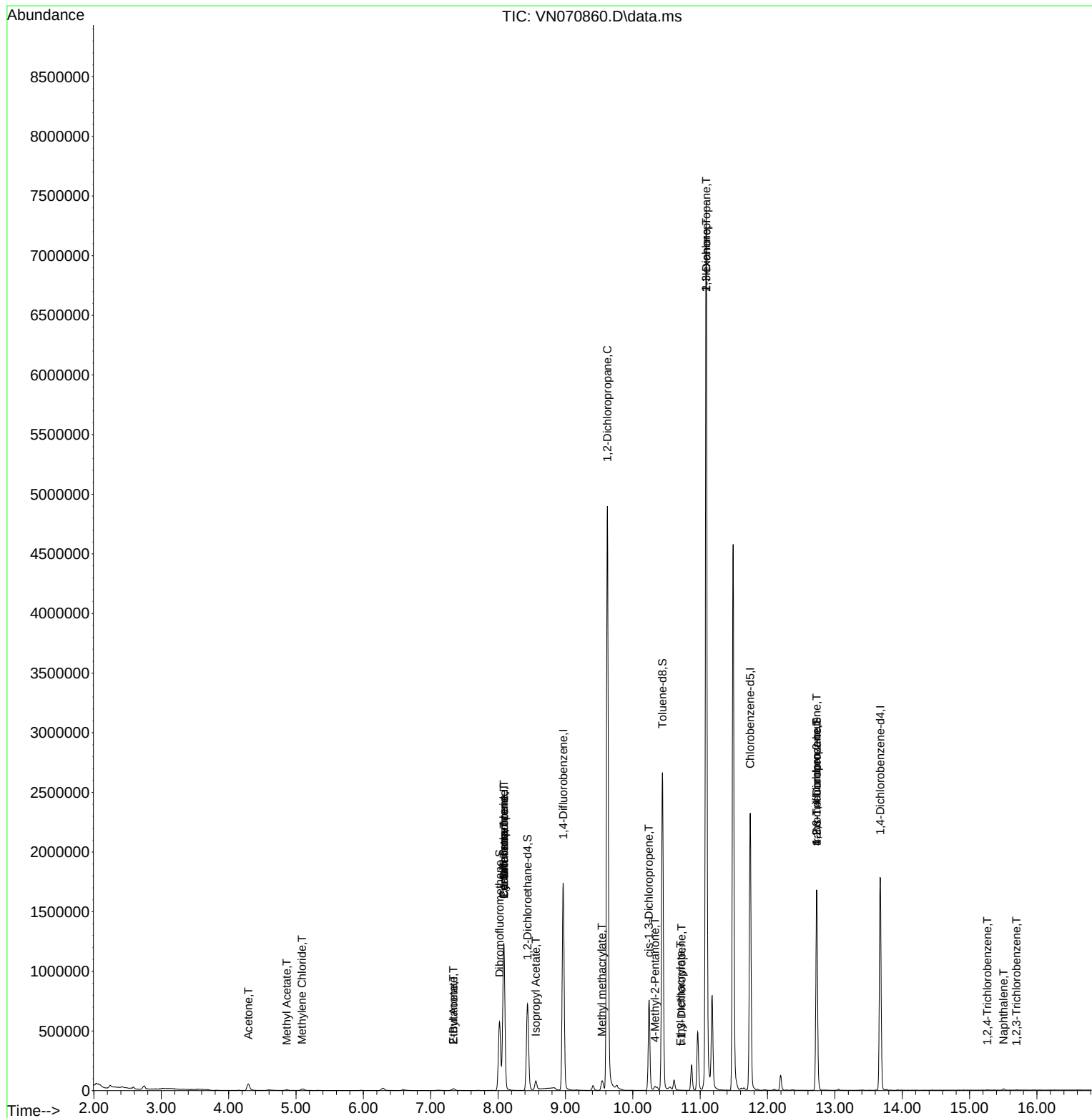
Internal Standards						
1) Pentafluorobenzene	8.086	168	940106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1484108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1334142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	493419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	631459	46.868	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.740%		
35) Dibromofluoromethane	8.021	113	430257	46.737	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.480%		
50) Toluene-d8	10.440	98	1853477	47.792	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.580%		
62) 4-Bromofluorobenzene	12.731	95	612155	44.295	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.600%		
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	106583	11.398	ug/l	97
18) Methyl Acetate	4.865	43	11980	0.651	ug/l	91
20) Methylene Chloride	5.090	84	5059	0.411	ug/l	95
25) 2-Butanone	7.337	43	26462	2.249	ug/l	93
31) Cyclohexane	8.086	56	21965	0.926	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	77627	5.009	ug/l #	49
37) Ethyl Acetate	7.337	43	26462	1.286	ug/l #	68
38) Carbon Tetrachloride	8.086	117	94701	6.869	ug/l #	16
43) Isopropyl Acetate	8.560	43	103087	3.280	ug/l #	85
45) 1,2-Dichloropropane	9.622	63	5865	0.449	ug/l #	44
48) Methyl methacrylate	9.542	41	25072	1.675	ug/l #	8
51) 4-Methyl-2-Pentanone	10.328	43	10952	0.546	ug/l #	39
53) t-1,3-Dichloropropene	10.725	75	51	2.406	ug/l #	43
54) cis-1,3-Dichloropropene	10.239	75	130396	7.002	ug/l #	61
56) Ethyl methacrylate	10.709	69	504	2.324	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	75336	3.771	ug/l #	43
59) 2-Hexanone	11.089	43	1273775	87.437	ug/l #	49
76) 1,2,3-Trichloropropane	12.731	75	326912	24.980	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	326912	74.421	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	1153	3.543	ug/l	93
95) Naphthalene	15.504	128	11182	5.342	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.697	180	1228	3.348	ug/l #	55

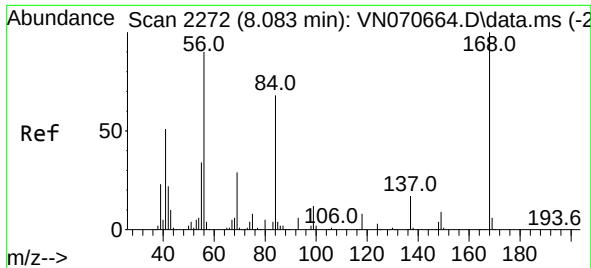
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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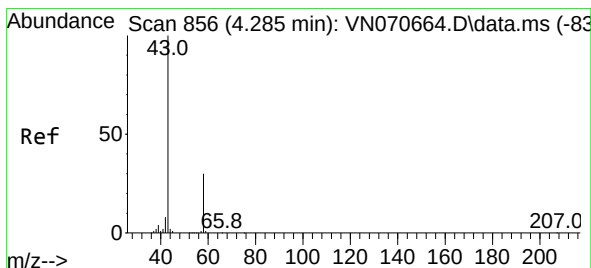
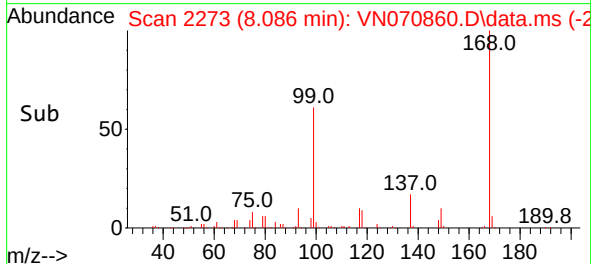
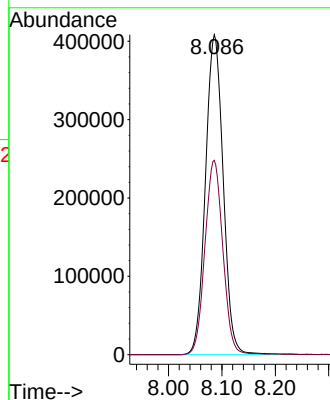
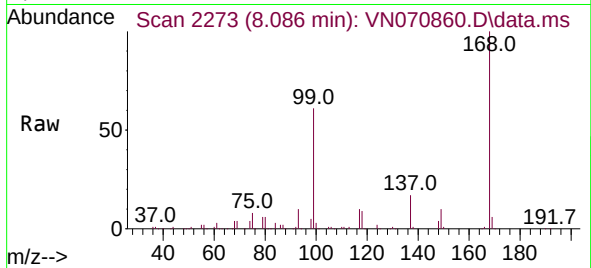




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

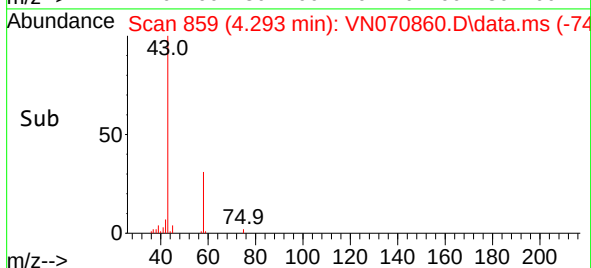
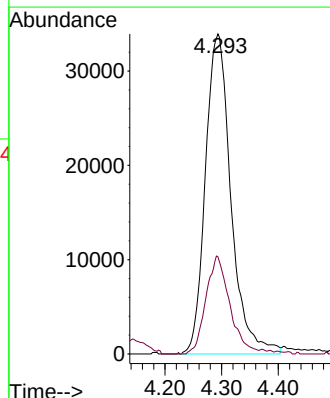
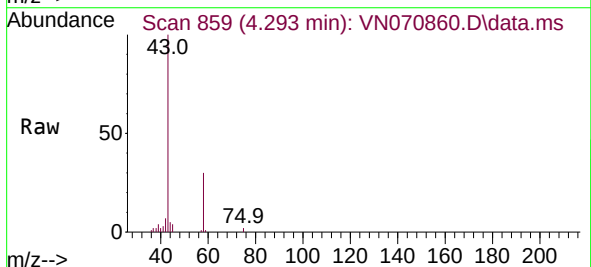
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

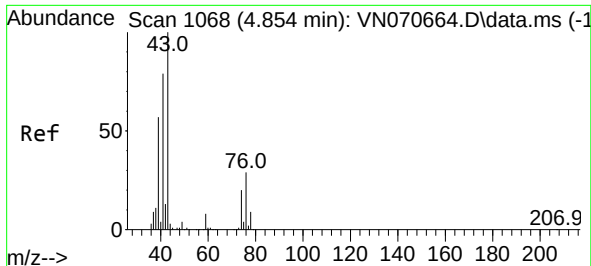
Tgt Ion:168 Resp: 940106
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#16
Acetone
Concen: 11.398 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion: 43 Resp: 106583
Ion Ratio Lower Upper
43 100
58 30.3 23.1 34.7

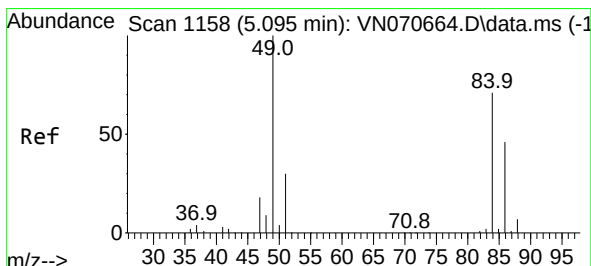
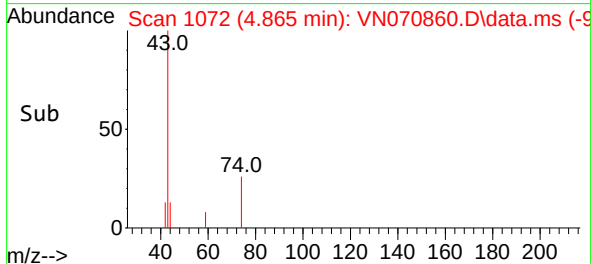
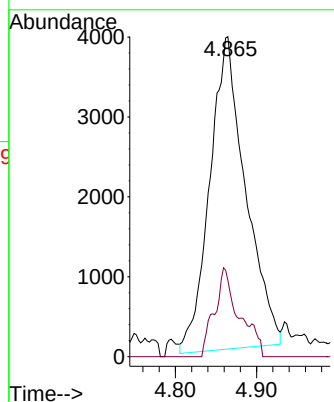
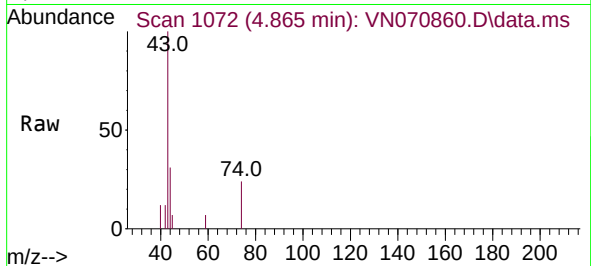




#18
Methyl Acetate
Concen: 0.651 ug/l
RT: 4.865 min Scan# 11980
Delta R.T. 0.011 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

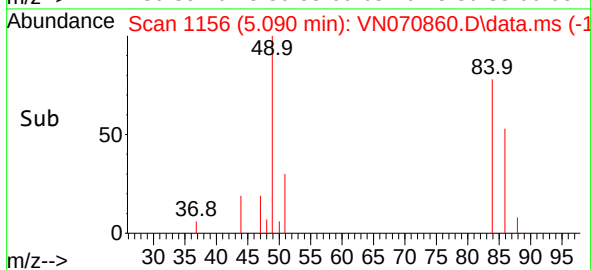
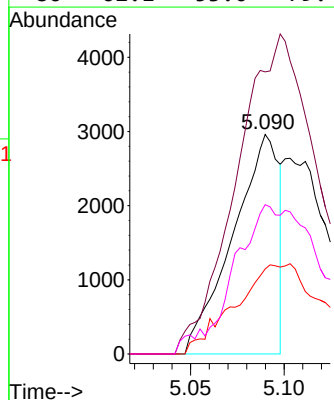
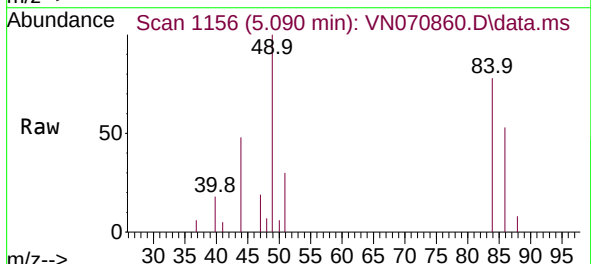
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

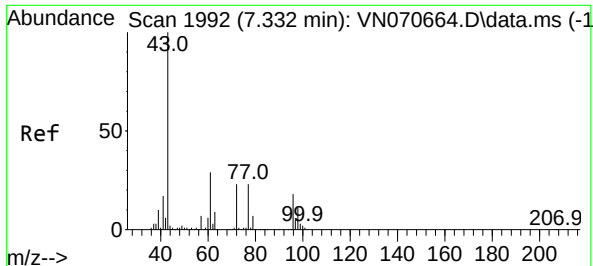
Tgt Ion: 43 Resp: 11980
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.2



#20
Methylene Chloride
Concen: 0.411 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion: 84 Resp: 5059
Ion Ratio Lower Upper
84 100
49 122.2 93.5 140.3
51 38.7 29.4 44.2
86 62.1 53.0 79.4





#25

2-Butanone

Concen: 2.249 ug/l

RT: 7.337 min Scan# 1992

Delta R.T. 0.005 min

Lab File: VN070860.D

Acq: 31 Jan 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

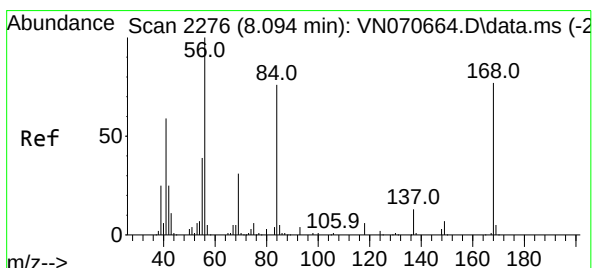
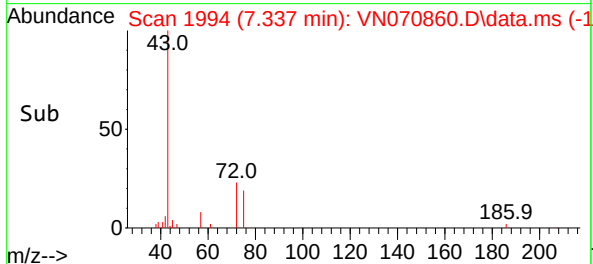
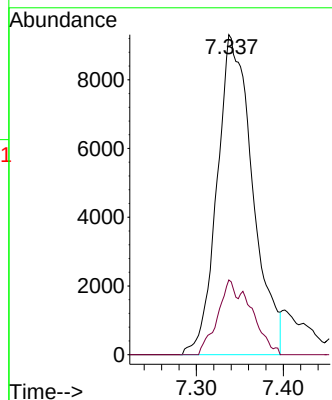
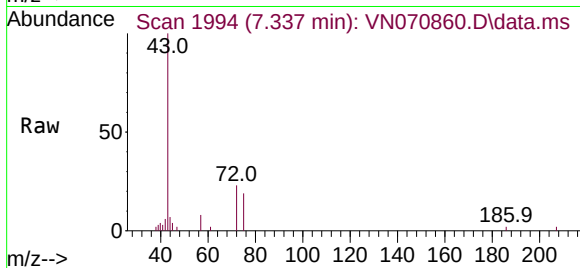
WASTE-CHARACTER

Tgt Ion: 43 Resp: 26462

Ion Ratio Lower Upper

43 100

72 23.3 21.7 32.5



#31

Cyclohexane

Concen: 0.926 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070860.D

Acq: 31 Jan 2022 18:40

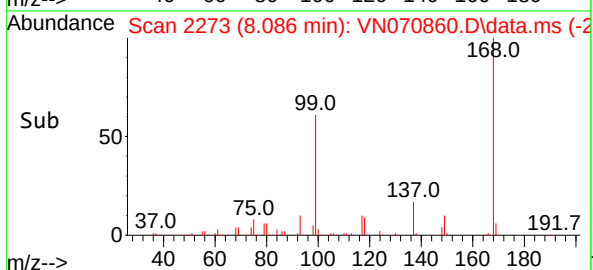
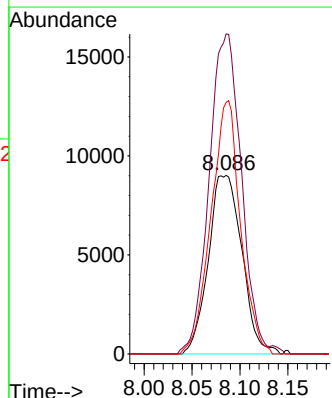
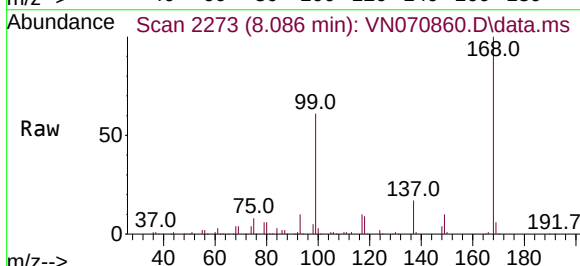
Tgt Ion: 56 Resp: 21965

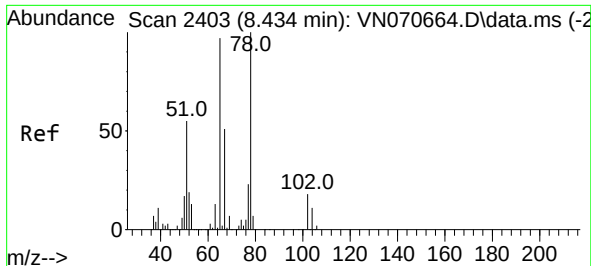
Ion Ratio Lower Upper

56 100

69 177.1 27.1 40.7#

84 140.8 73.4 110.0#

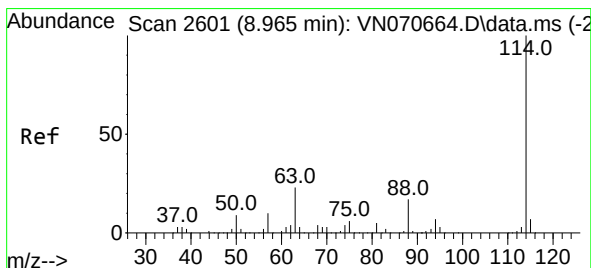
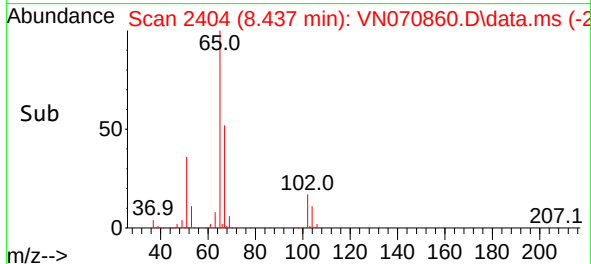
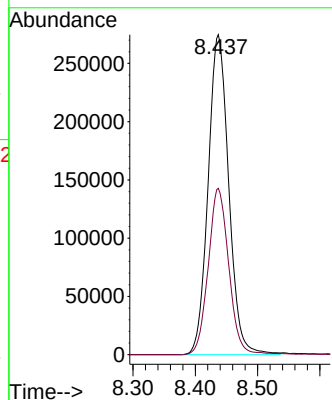
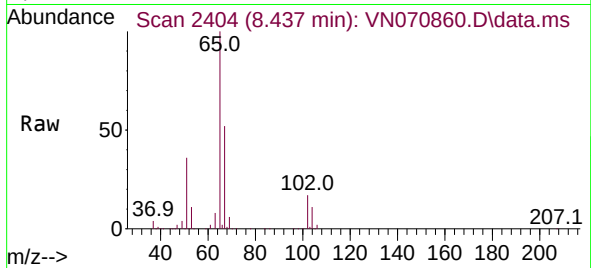




#33
 1,2-Dichloroethane-d4
 Concen: 46.868 ug/l
 RT: 8.437 min Scan# 2403
 Delta R.T. 0.003 min
 Lab File: VN070860.D
 Acq: 31 Jan 2022 18:40

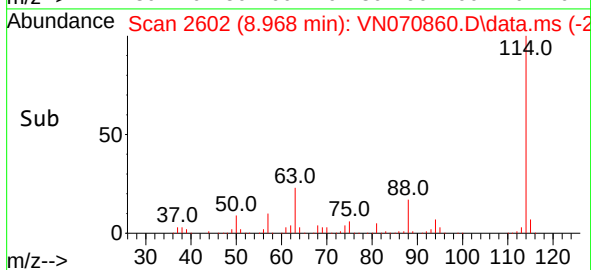
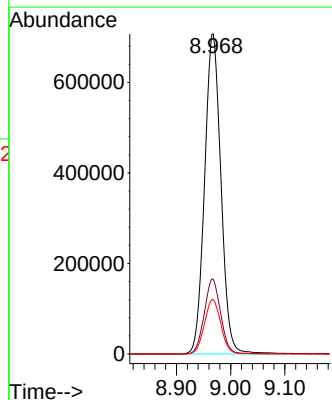
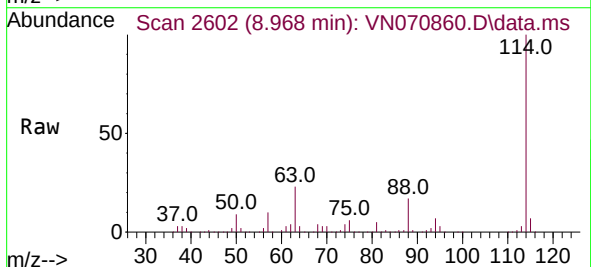
Instrument :
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 WASTE-CHARACTER

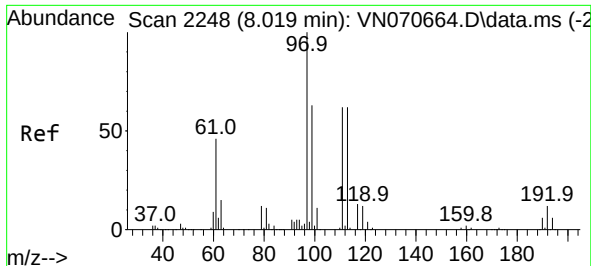
Tgt Ion: 65 Resp: 631459
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070860.D
 Acq: 31 Jan 2022 18:40

Tgt Ion: 114 Resp: 1484108
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 37.8
 88 17.0 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.737 ug/l

RT: 8.021 min Scan# 2248

Delta R.T. 0.002 min

Lab File: VN070860.D

Acq: 31 Jan 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

WASTE-CHARACTER

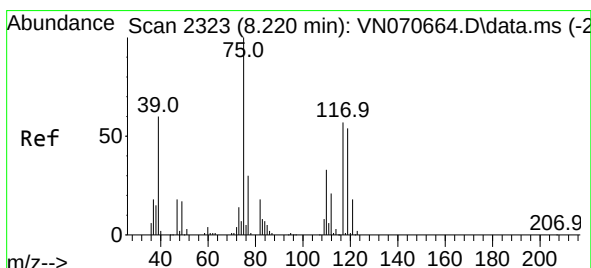
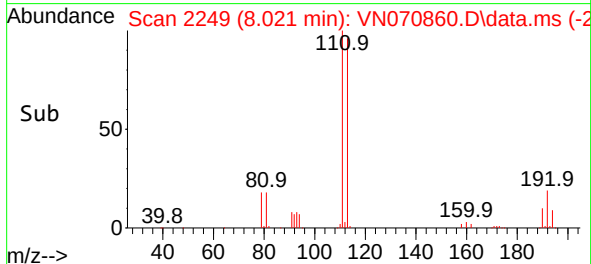
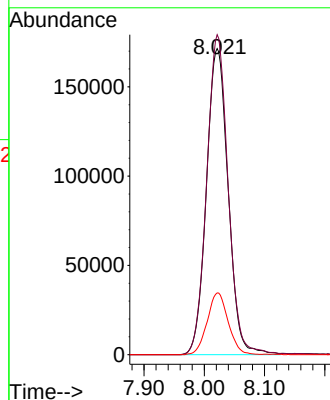
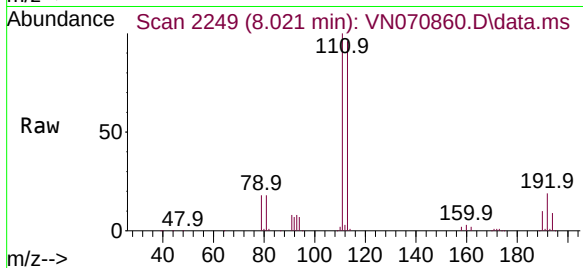
Tgt Ion:113 Resp: 430257

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.009 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070860.D

Acq: 31 Jan 2022 18:40

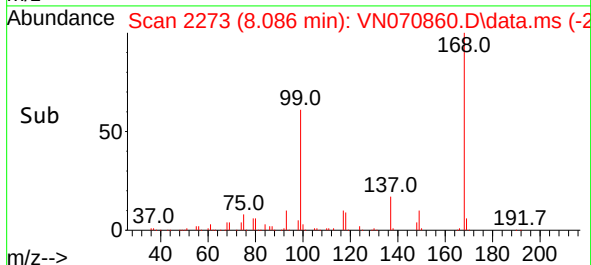
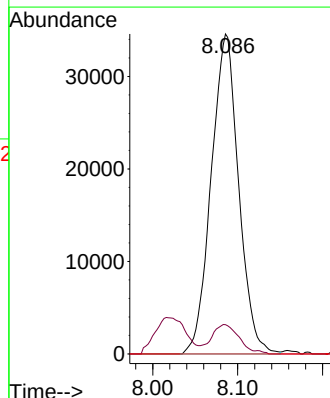
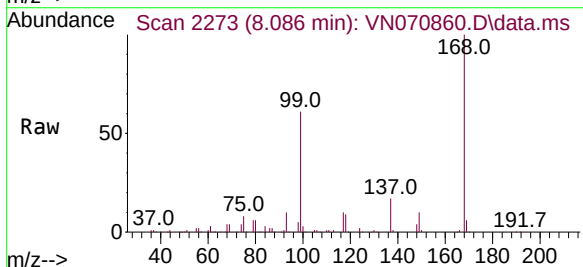
Tgt Ion: 75 Resp: 77627

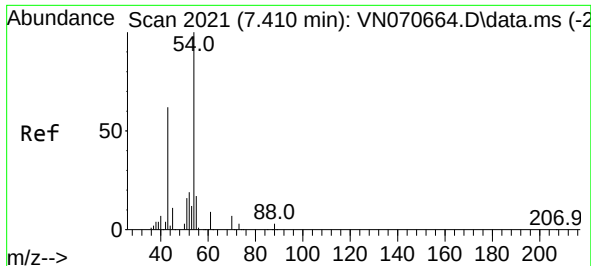
Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 24.4 36.6#

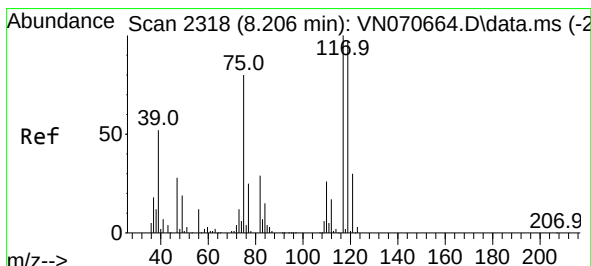
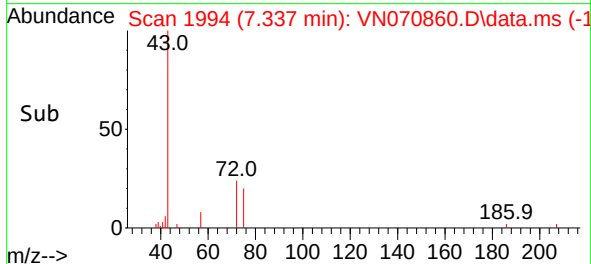
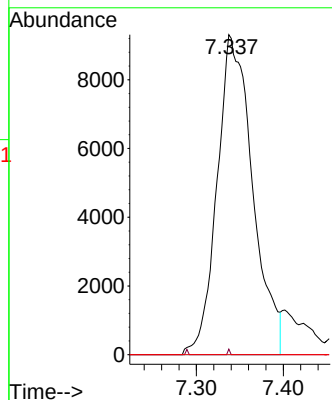
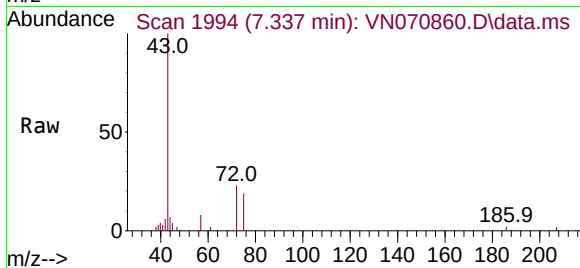




#37
Ethyl Acetate
Concen: 1.286 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. -0.073 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

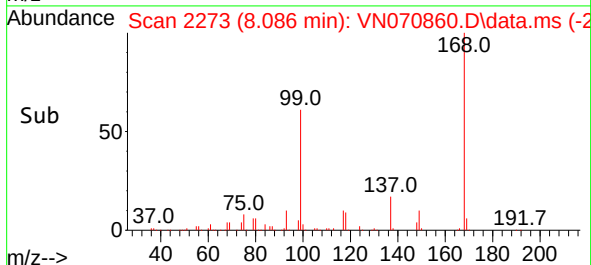
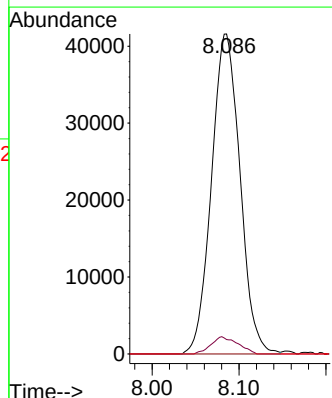
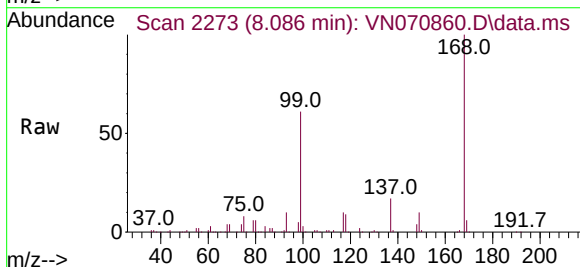
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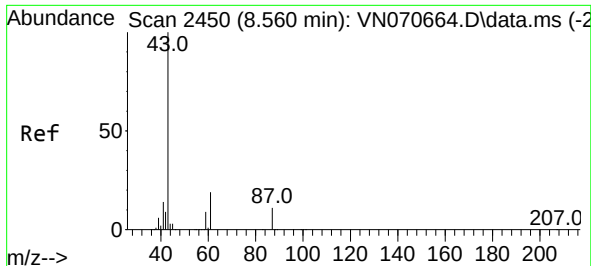
Tgt Ion: 43 Resp: 26462
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.869 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion: 117 Resp: 94701
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 3.280 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. 0.000 min

Lab File: VN070860.D

Acq: 31 Jan 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

WASTE-CHARACTER

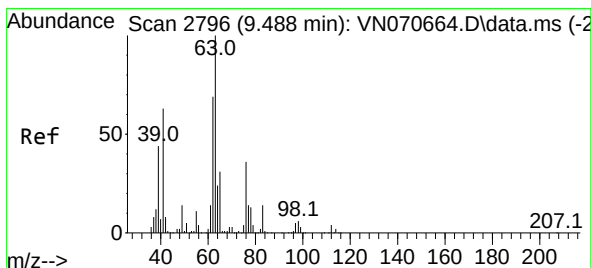
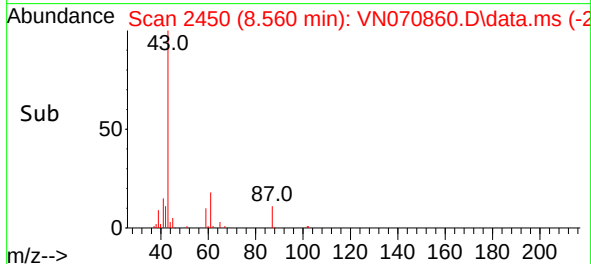
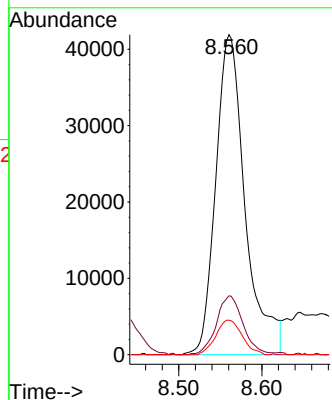
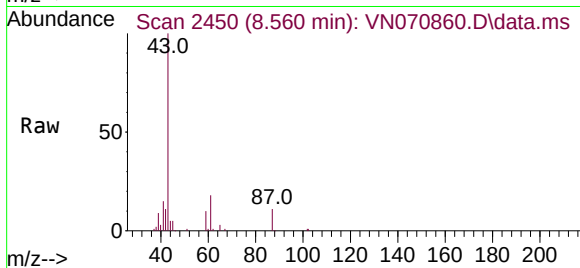
Tgt Ion: 43 Resp: 103087

Ion Ratio Lower Upper

43 100

61 16.8 20.4 30.6#

87 9.7 11.2 16.8#



#45

1,2-Dichloropropane

Concen: 0.449 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.134 min

Lab File: VN070860.D

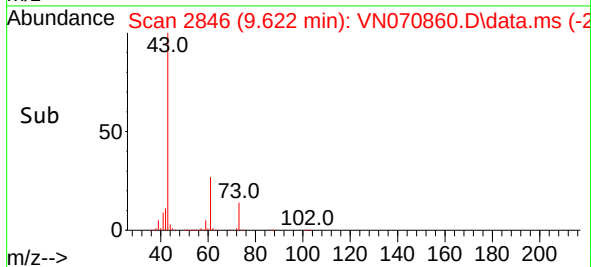
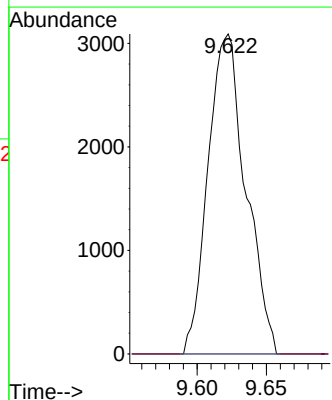
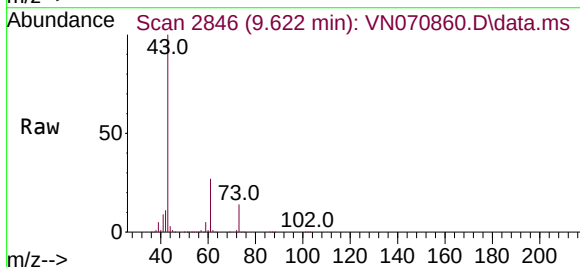
Acq: 31 Jan 2022 18:40

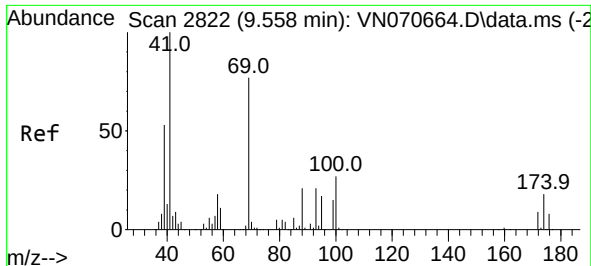
Tgt Ion: 63 Resp: 5865

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

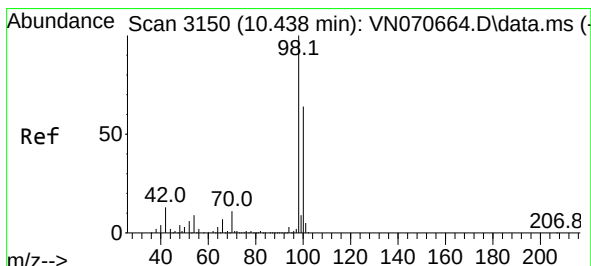
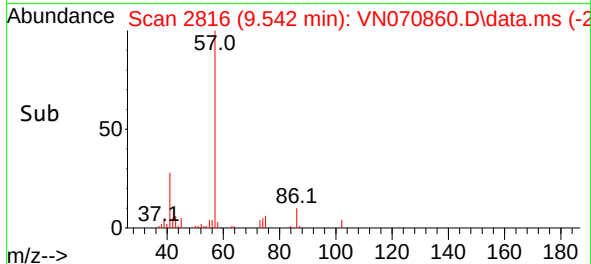
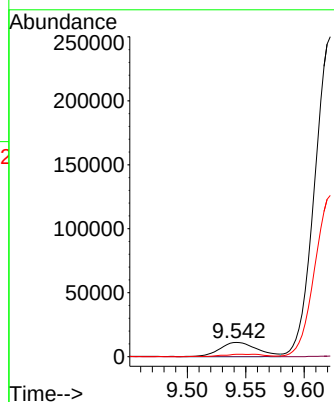
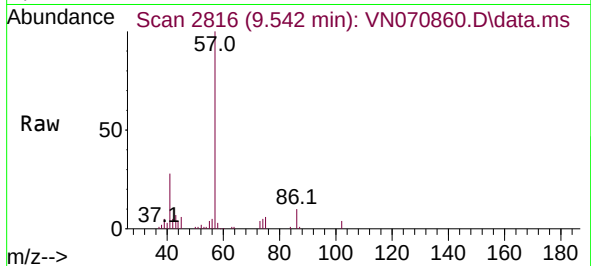




#48
Methyl methacrylate
Concen: 1.675 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.016 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

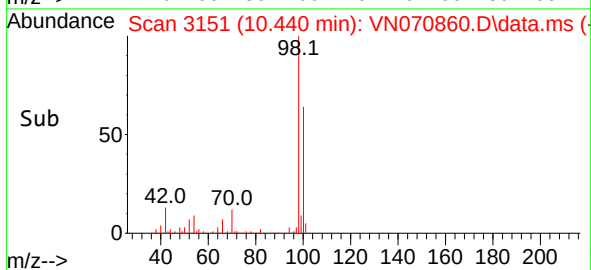
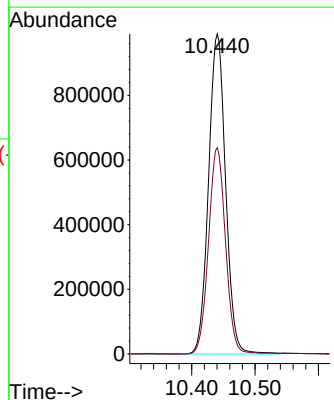
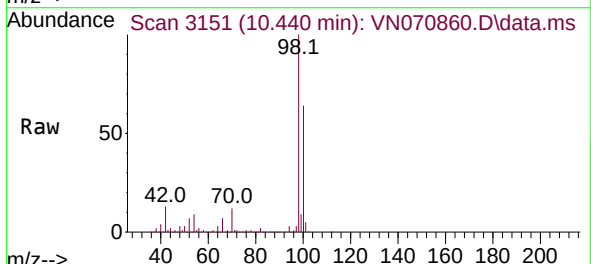
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

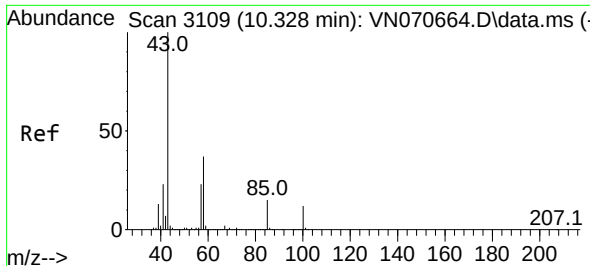
Tgt Ion: 41 Resp: 25072
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 47.792 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion: 98 Resp: 1853477
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

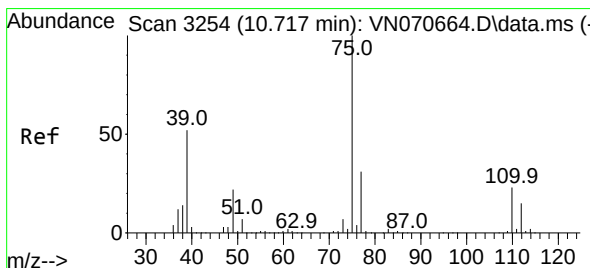
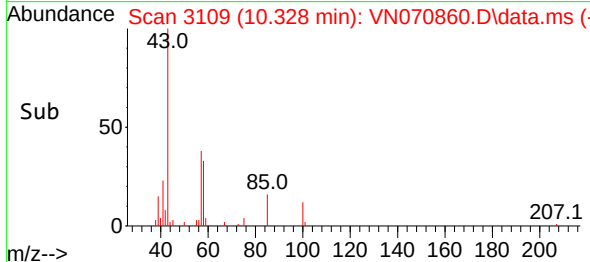
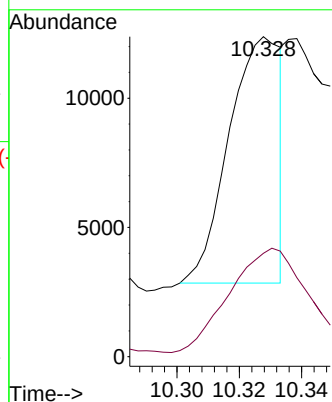
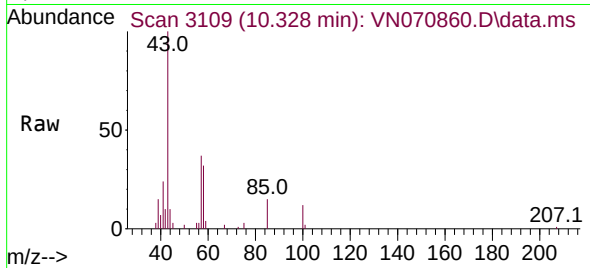




#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

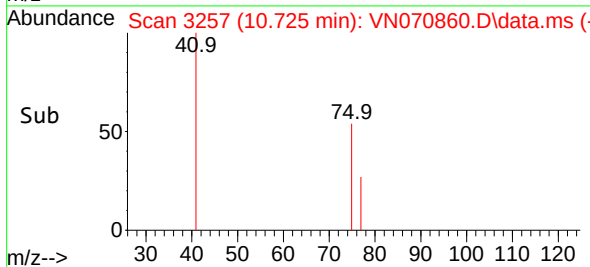
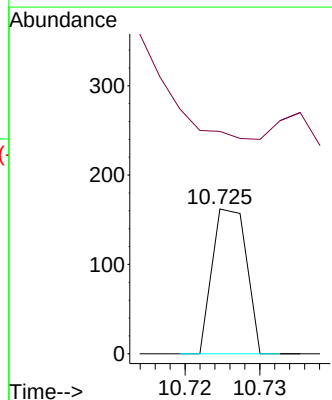
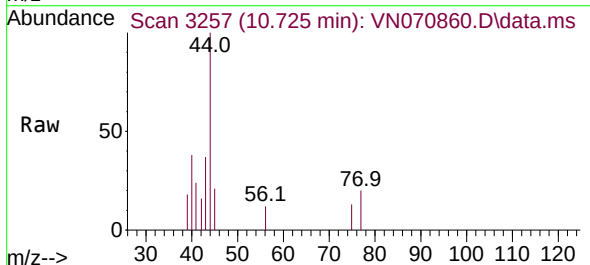
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

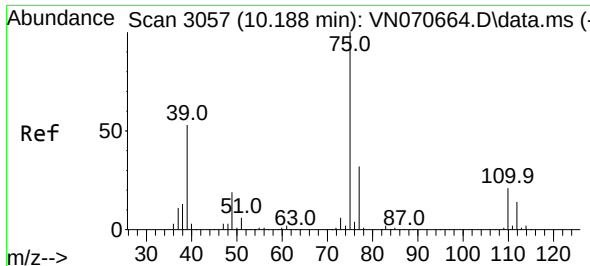
Tgt Ion: 43 Resp: 10952
Ion Ratio Lower Upper
43 100
58 75.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.406 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.008 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

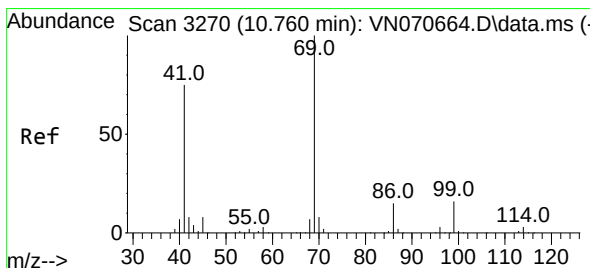
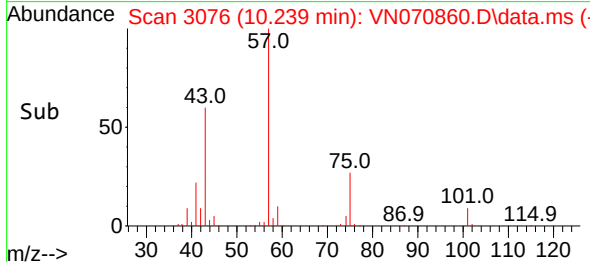
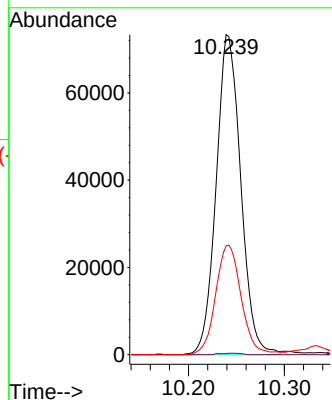
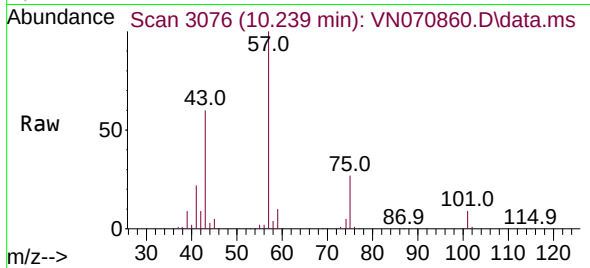




#54
cis-1,3-Dichloropropene
Concen: 7.002 ug/l
RT: 10.239 min Scan# 3057
Delta R.T. 0.051 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

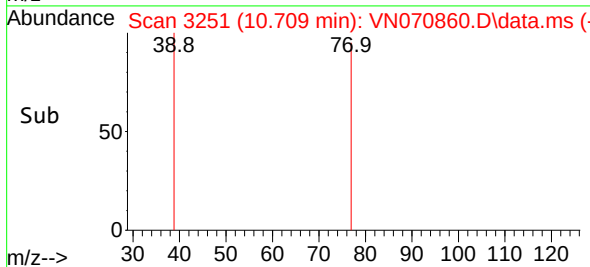
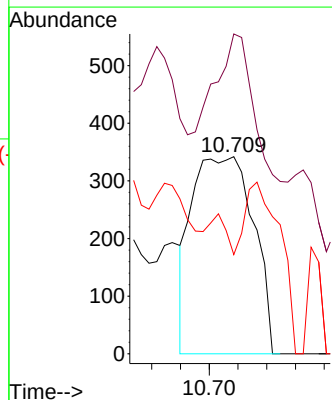
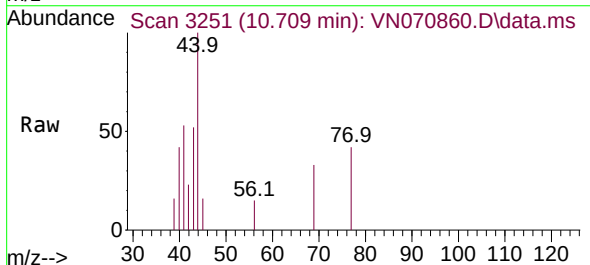
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

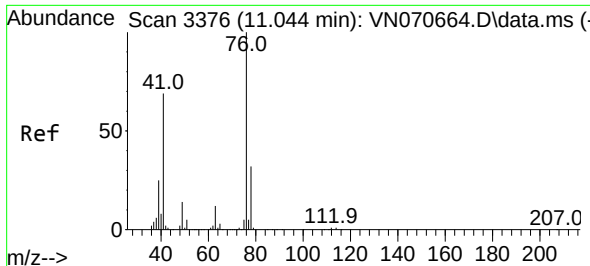
Tgt Ion: 75 Resp: 130396
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 34.1 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.324 ug/l
RT: 10.709 min Scan# 3251
Delta R.T. -0.051 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion: 69 Resp: 504
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 3.771 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070860.D

Acq: 31 Jan 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

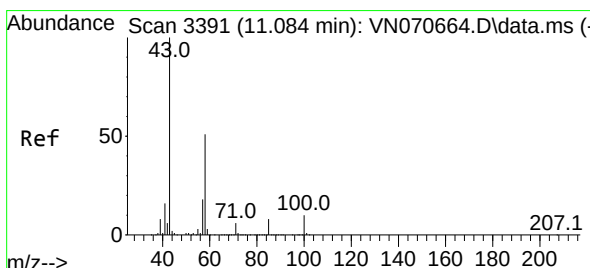
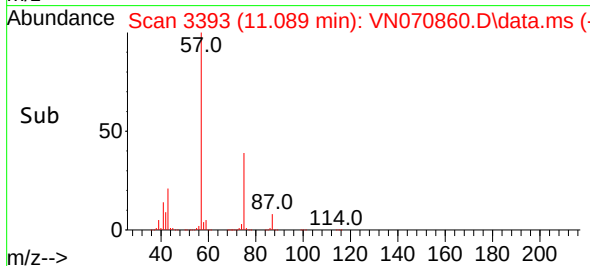
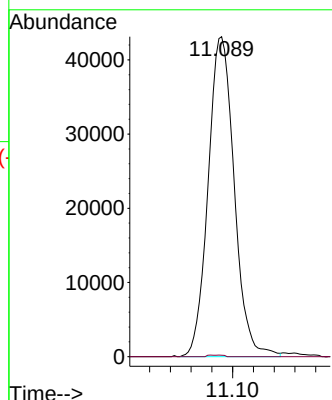
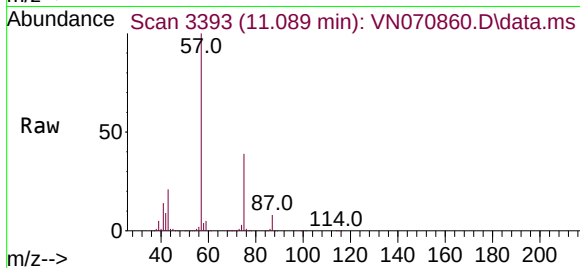
WASTE-CHARACTER

Tgt Ion: 76 Resp: 75336

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 87.437 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.005 min

Lab File: VN070860.D

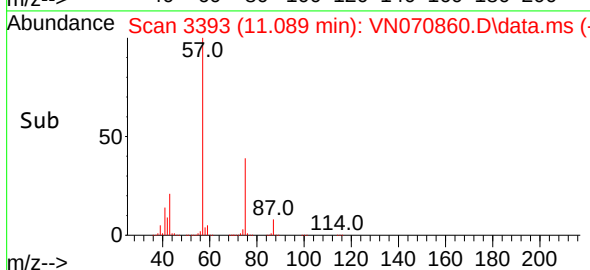
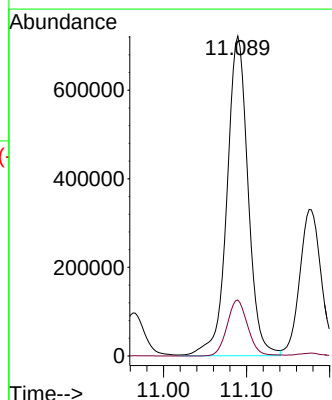
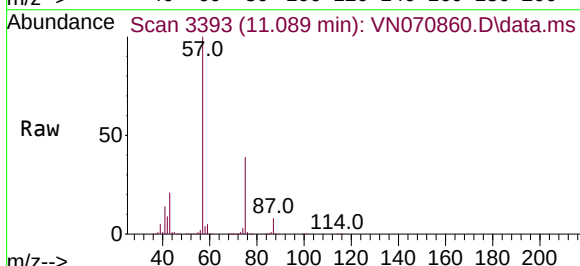
Acq: 31 Jan 2022 18:40

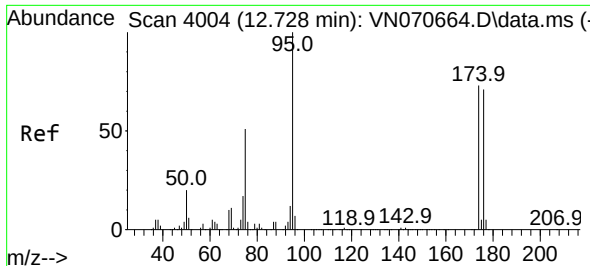
Tgt Ion: 43 Resp: 1273775

Ion Ratio Lower Upper

43 100

58 17.2 26.9 80.7#

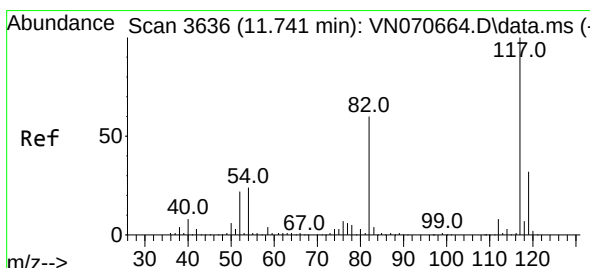
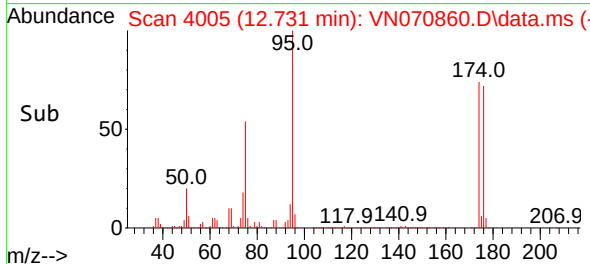
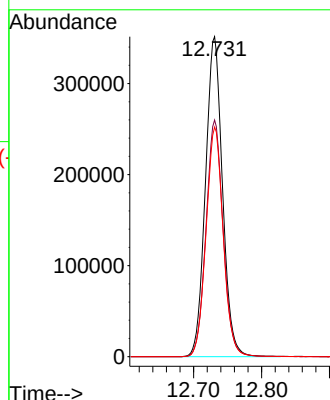
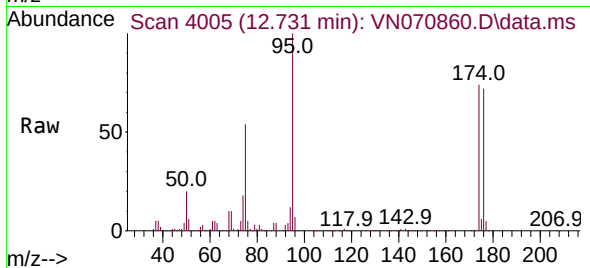




#62
4-Bromofluorobenzene
Concen: 44.295 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

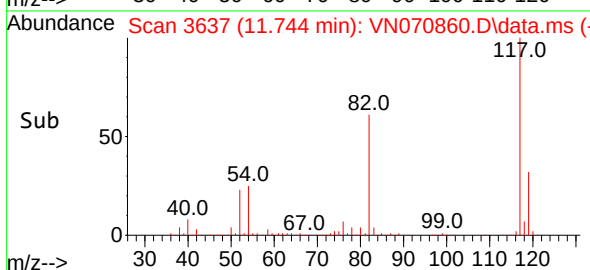
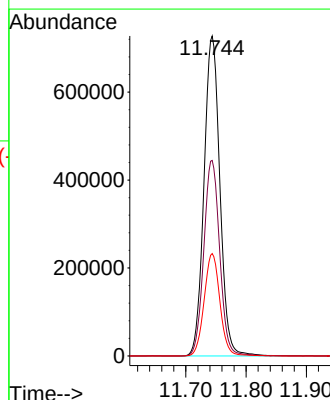
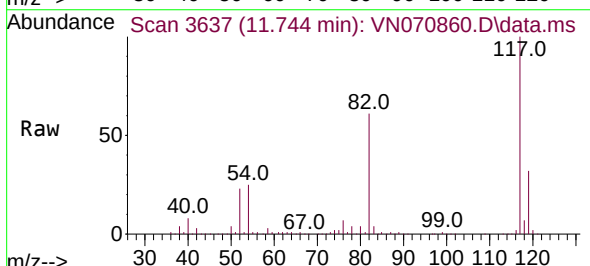
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

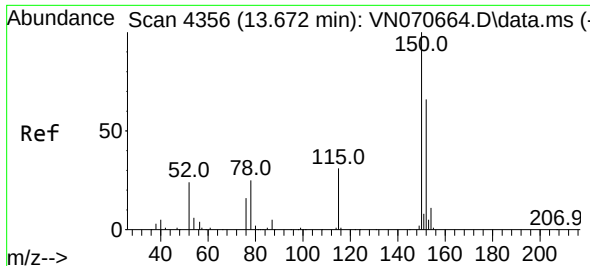
Tgt Ion: 95 Resp: 612155
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion: 117 Resp: 1334142
Ion Ratio Lower Upper
117 100
82 61.1 42.4 63.6
119 32.0 25.4 38.2

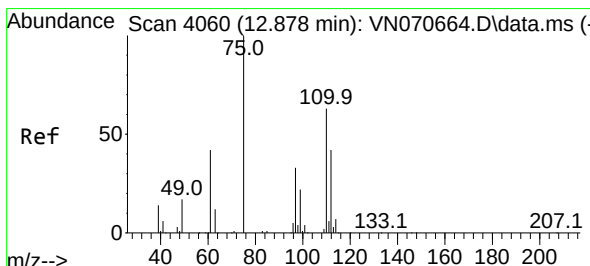
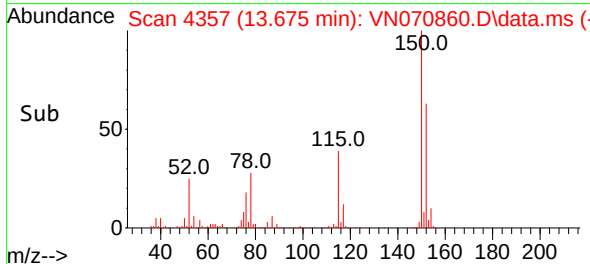
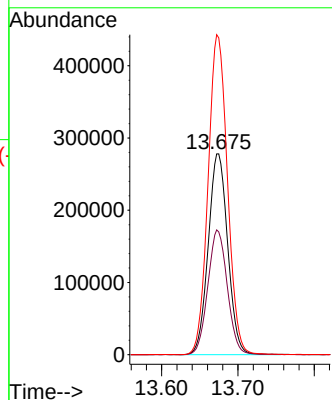
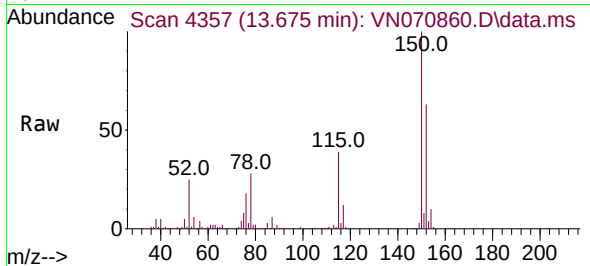




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070860.D
 Acq: 31 Jan 2022 18:40

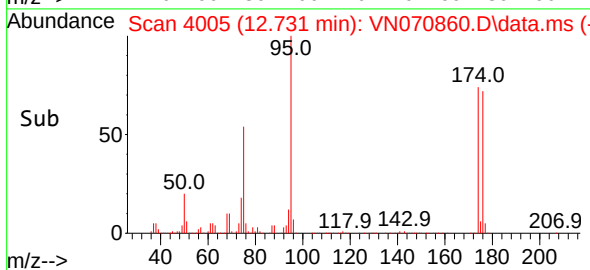
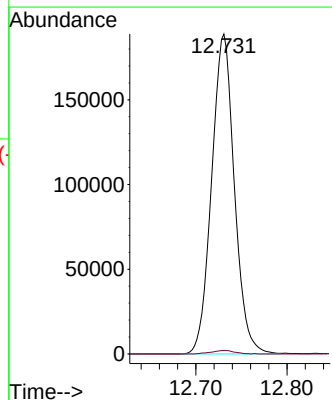
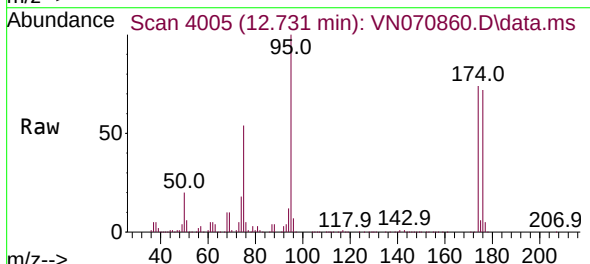
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-CHARACTER

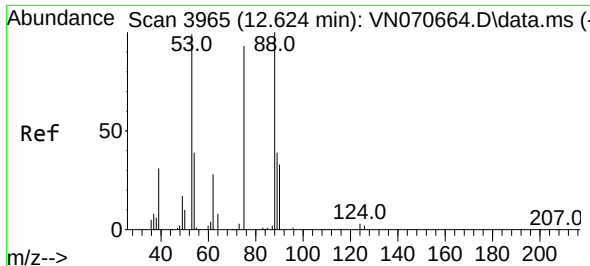
Tgt Ion:152 Resp: 493419
 Ion Ratio Lower Upper
 152 100
 115 62.0 27.5 82.5
 150 158.3 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 24.980 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070860.D
 Acq: 31 Jan 2022 18:40

Tgt Ion: 75 Resp: 326912
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

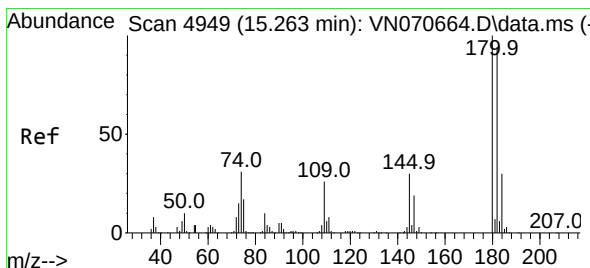
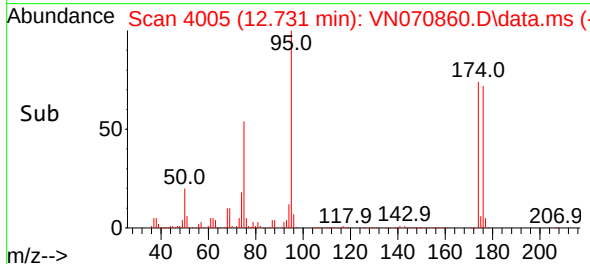
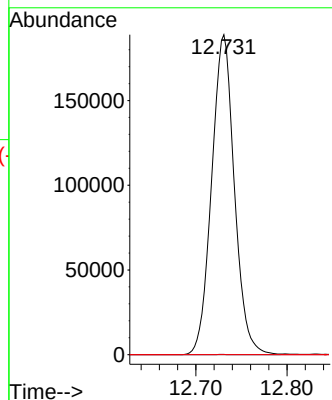
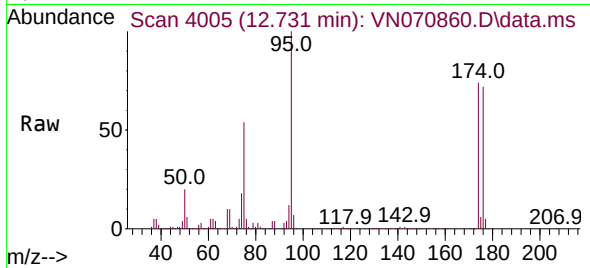




#81
trans-1,4-Dichloro-2-butene
Concen: 74.421 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

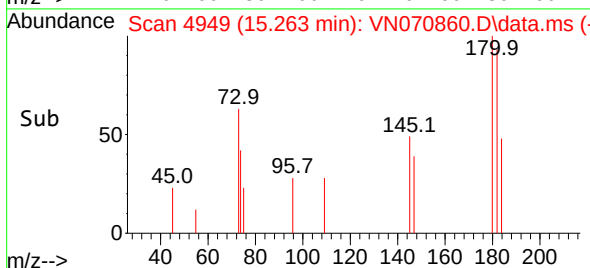
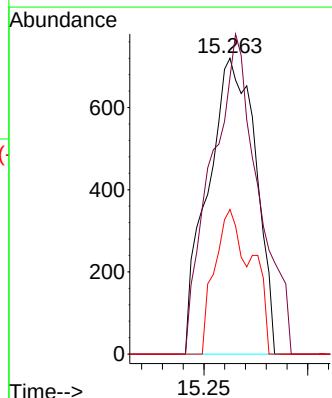
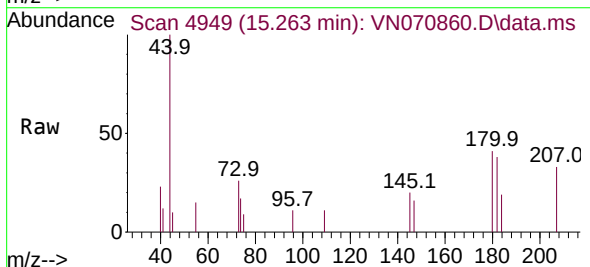
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

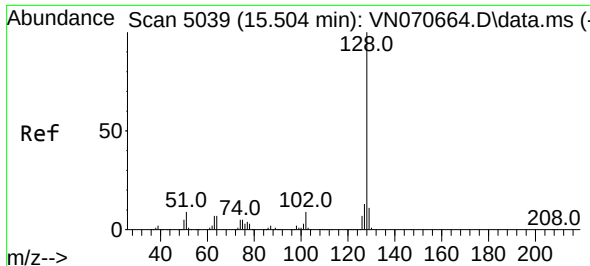
Tgt Ion: 75 Resp: 326912
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.543 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion:180 Resp: 1153
Ion Ratio Lower Upper
180 100
182 105.9 48.3 144.9
145 28.7 14.5 43.5

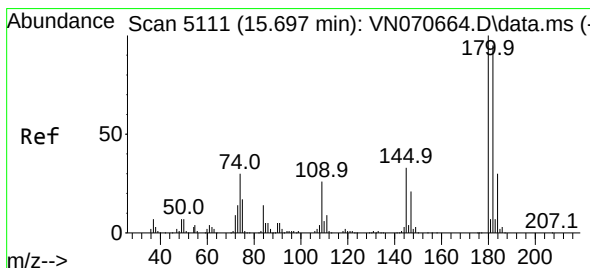
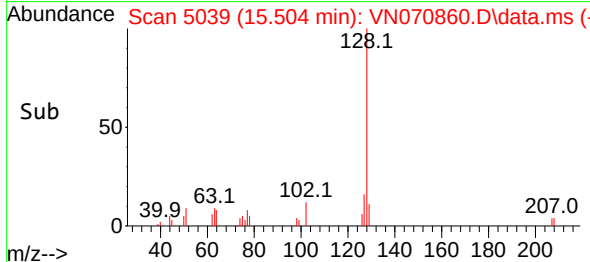
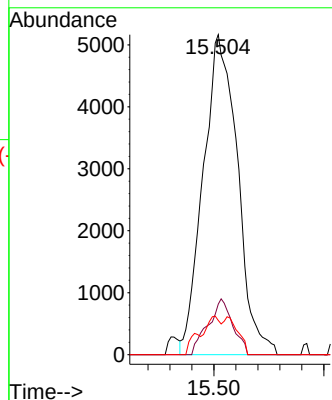
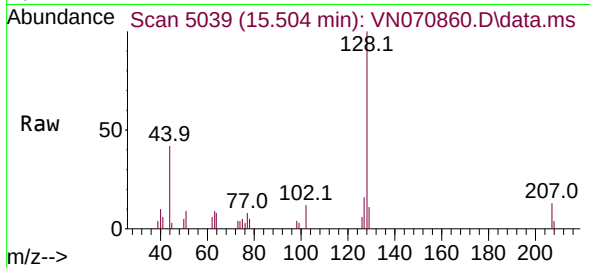




#95
Naphthalene
Concen: 5.342 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER

Tgt Ion:128 Resp: 11182
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 2.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.348 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. 0.000 min
Lab File: VN070860.D
Acq: 31 Jan 2022 18:40

Tgt Ion:180 Resp: 1228
Ion Ratio Lower Upper
180 100
182 50.1 47.4 142.2
145 8.2 15.0 45.1#

