

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012722\
 Data File : VN070815.D
 Acq On : 27 Jan 2022 19:02
 Operator : JC/MD
 Sample : N1287-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-CHARACTER-2

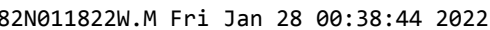
Quant Time: Jan 28 00:38:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

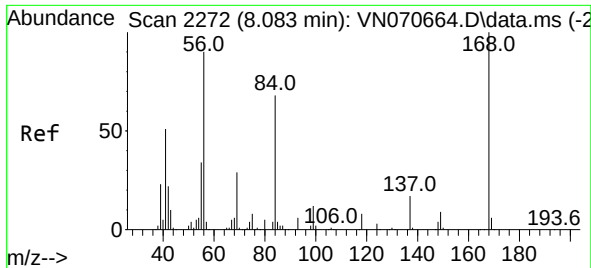
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	722140	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1186767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1057315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	393114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	512304	49.501	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.000%		
35) Dibromofluoromethane	8.024	113	348558	47.349	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.700%		
50) Toluene-d8	10.440	98	1463957	47.206	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.420%		
62) 4-Bromofluorobenzene	12.731	95	475846	43.059	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.120%		
Target Compounds						
						Qvalue
13) Acrolein	4.060	56	969	0.362	ug/l	# 56
14) Allyl chloride	4.814	41	10706	0.615	ug/l	# 20
16) Acetone	4.304	43	9731	1.355	ug/l	98
28) Bromochloromethane	7.815	49	18215	2.351	ug/l	# 9
30) Chloroform	7.817	83	223773	12.902	ug/l	99
31) Cyclohexane	8.083	56	17594	0.965	ug/l	# 28
36) 1,1-Dichloropropene	8.086	75	60349	4.870	ug/l	# 50
38) Carbon Tetrachloride	8.088	117	74242	6.734	ug/l	# 17
43) Isopropyl Acetate	8.619	43	15632	0.622	ug/l	# 55
46) Dibromomethane	9.767	93	1692	0.279	ug/l	# 2
47) Bromodichloromethane	9.759	83	57480	4.629	ug/l	98
51) 4-Methyl-2-Pentanone	10.368	43	3317	0.207	ug/l	# 37
53) t-1,3-Dichloropropene	10.701	75	665	2.446	ug/l	96
56) Ethyl methacrylate	10.558	69	26	2.303	ug/l	# 24
59) 2-Hexanone	11.095	43	11202	0.962	ug/l	# 51
60) Dibromochloromethane	11.237	129	8525	1.013	ug/l	100
76) 1,2,3-Trichloropropane	12.731	75	256686	24.619	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	256686	73.344	ug/l	# 5
84) 1,2,4-Trimethylbenzene	13.366	105	10254	0.355	ug/l	94
93) 1,2,4-Trichlorobenzene	15.252	180	175	3.448	ug/l	# 1
95) Naphthalene	15.507	128	6495	5.236	ug/l	# 78
96) 1,2,3-Trichlorobenzene	15.697	180	261	3.251	ug/l	# 57

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

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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

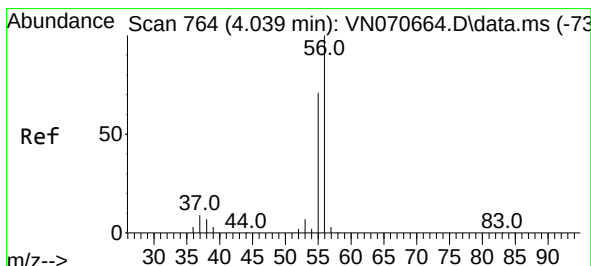
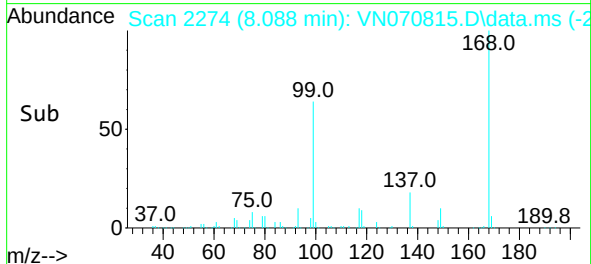
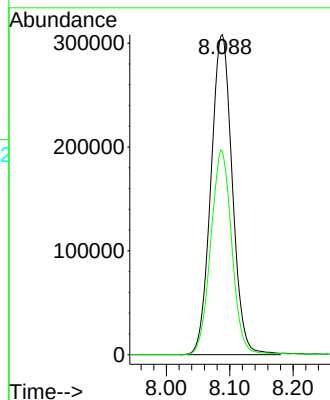
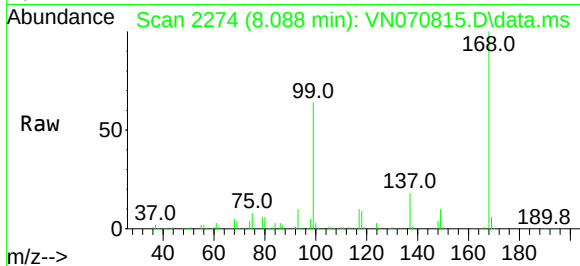




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

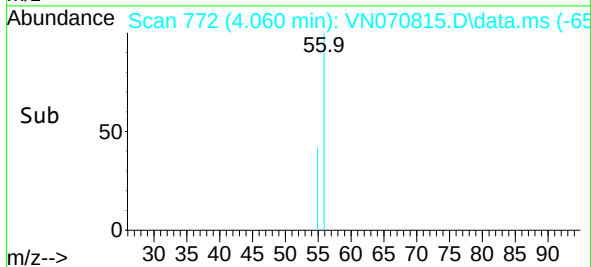
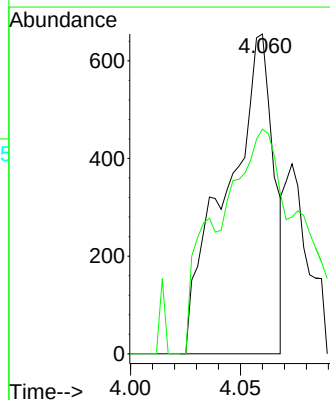
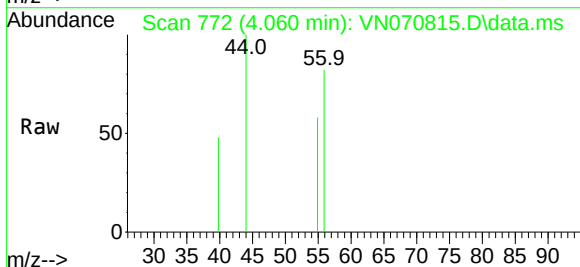
Instrument :
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WASTE-CHARACTER-2

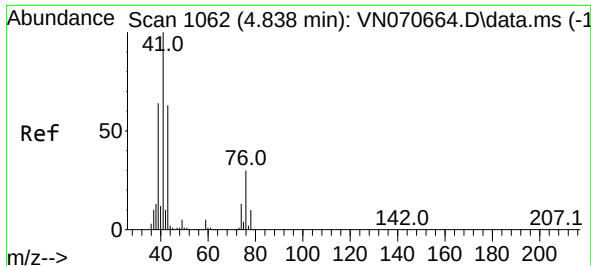
Tgt Ion:168 Resp: 722140
Ion Ratio Lower Upper
168 100
99 63.6 41.3 61.9#



#13
Acrolein
Concen: 0.362 ug/l
RT: 4.060 min Scan# 772
Delta R.T. 0.021 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 56 Resp: 969
Ion Ratio Lower Upper
56 100
55 34.5 56.6 85.0#





#14

Allyl chloride

Concen: 0.615 ug/l

RT: 4.814 min Scan# 1053

Delta R.T. -0.024 min

Lab File: VN070815.D

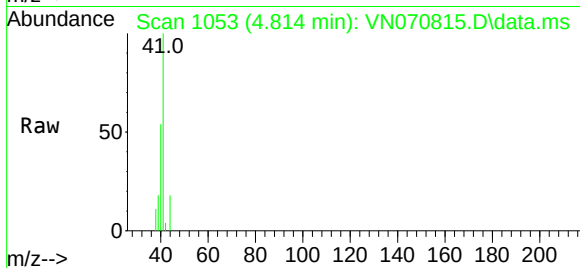
Acq: 27 Jan 2022 19:02

Instrument :

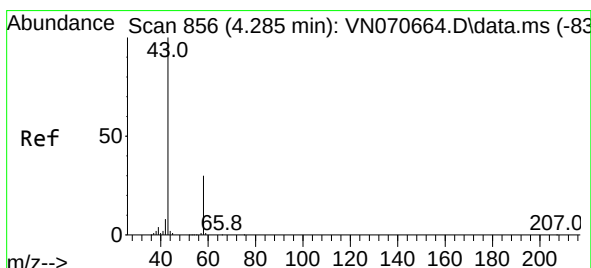
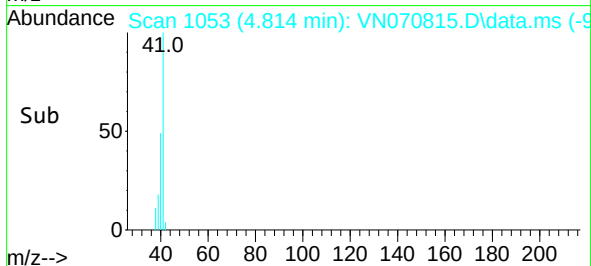
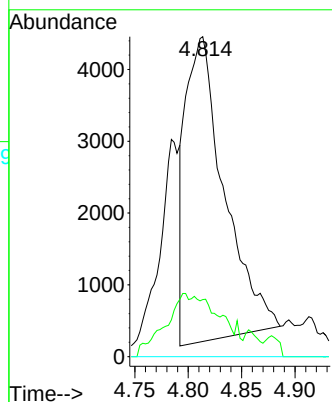
MSVOA_N

ClientSampleId :

WASTE-CHARACTER-2



Tgt Ion:	41	Resp:	10706
Ion	Ratio	Lower	Upper
41	100		
39	0.0	61.2	91.8#
76	0.0	26.0	39.0#



#16

Acetone

Concen: 1.355 ug/l

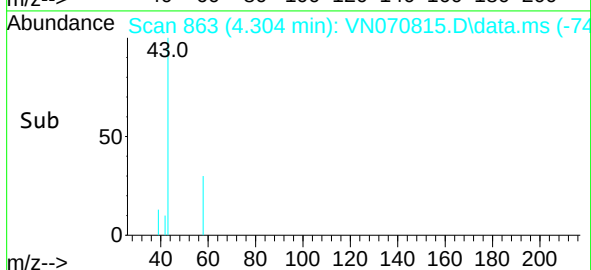
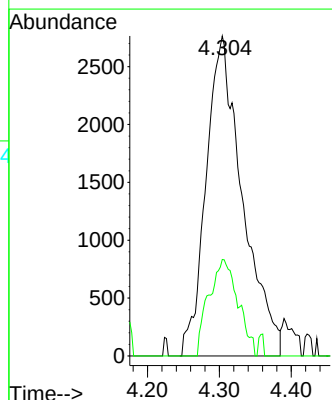
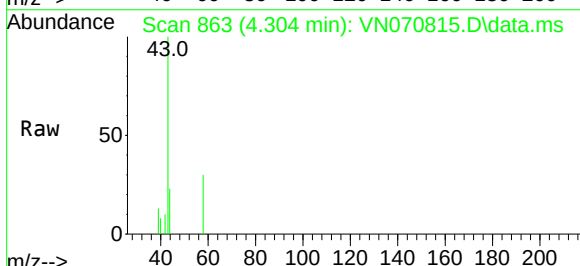
RT: 4.304 min Scan# 863

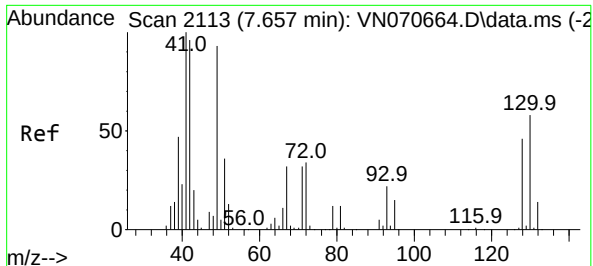
Delta R.T. 0.019 min

Lab File: VN070815.D

Acq: 27 Jan 2022 19:02

Tgt Ion:	43	Resp:	9731
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.1	34.7

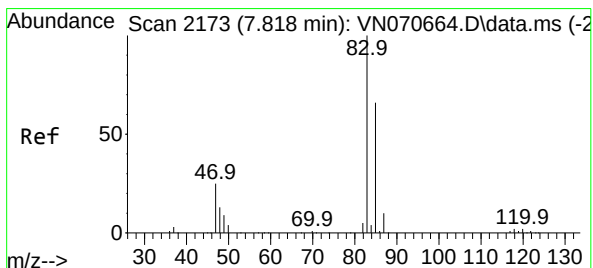
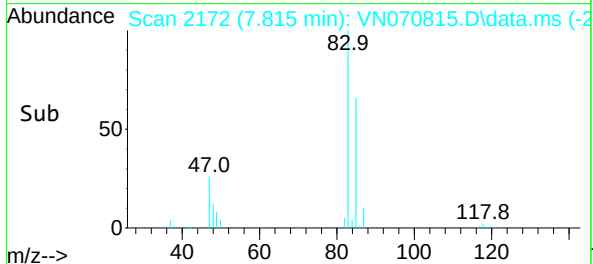
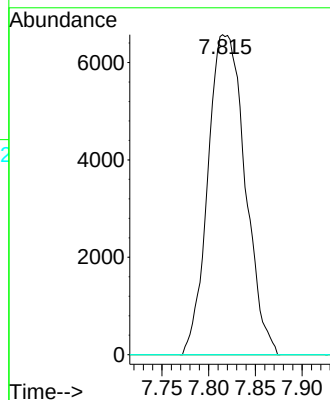
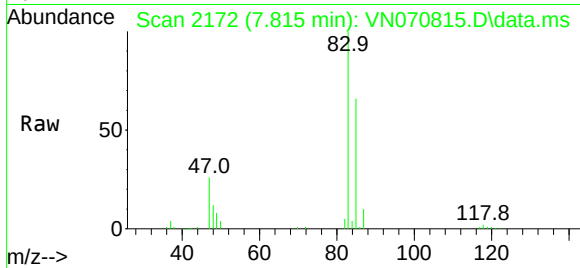




#28
Bromochloromethane
Concen: 2.351 ug/l
RT: 7.815 min Scan# 2113
Delta R.T. 0.158 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

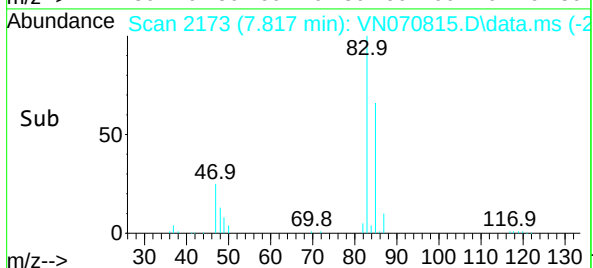
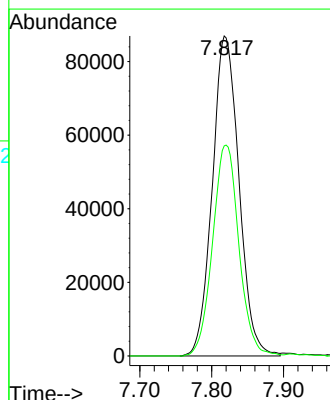
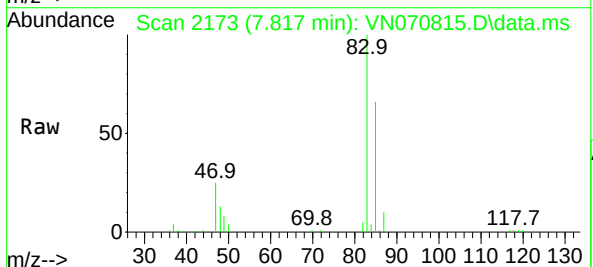
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

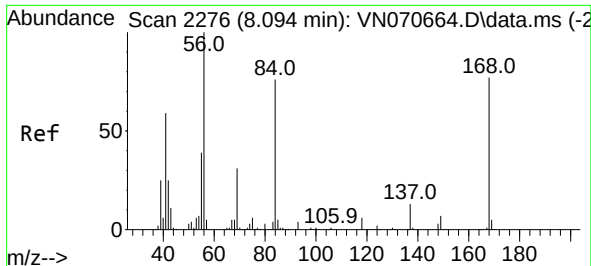
Tgt Ion: 49 Resp: 18215
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 67.8 101.8#



#30
Chloroform
Concen: 12.902 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.001 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 83 Resp: 223773
Ion Ratio Lower Upper
83 100
85 65.6 51.9 77.9

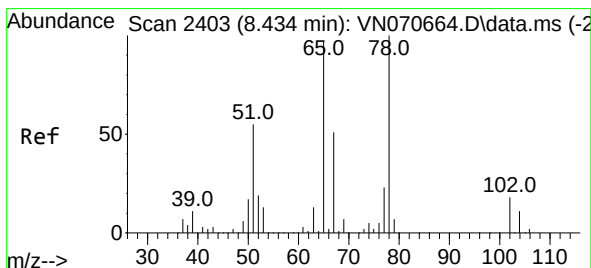
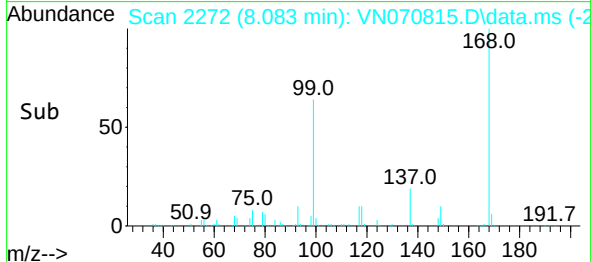
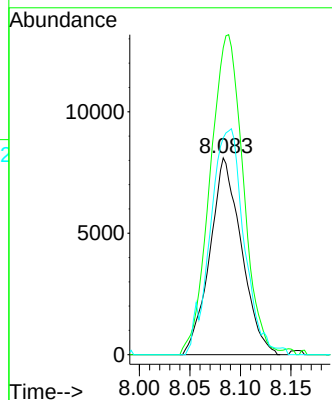
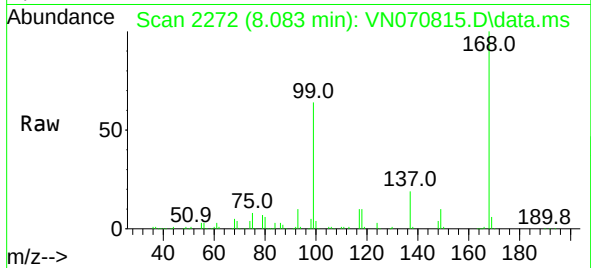




#31
Cyclohexane
Concen: 0.965 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

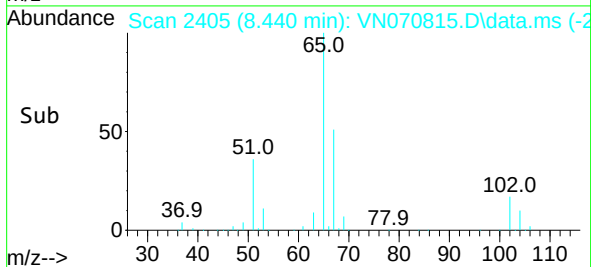
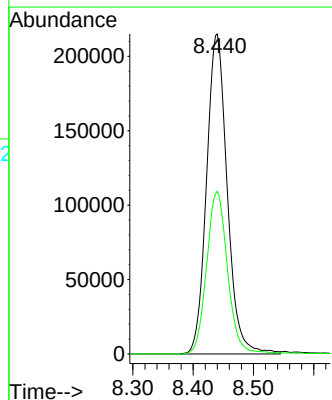
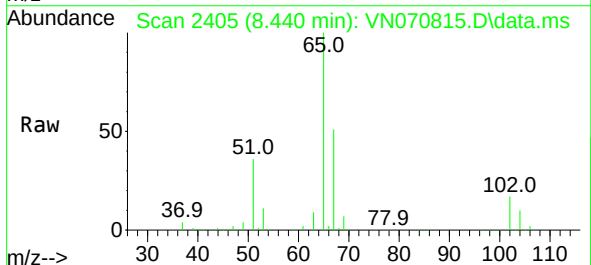
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

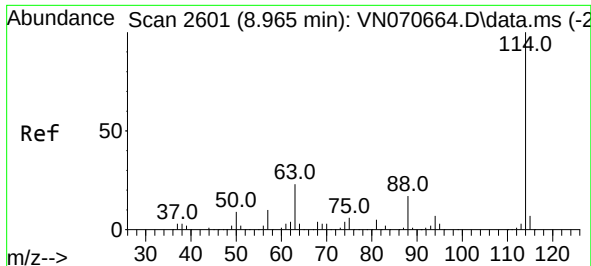
Tgt Ion: 56 Resp: 17594
Ion Ratio Lower Upper
56 100
69 155.9 27.1 40.7#
84 110.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.501 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.006 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 65 Resp: 512304
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070815.D

Acq: 27 Jan 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

WASTE-CHARACTER-2

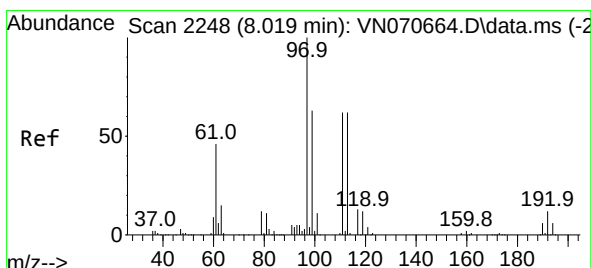
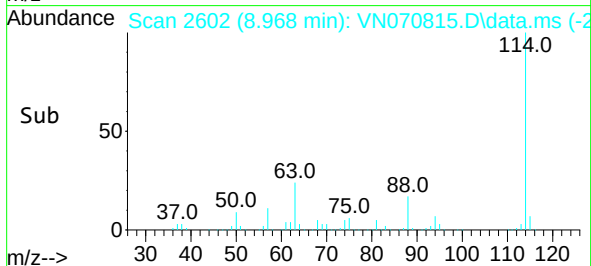
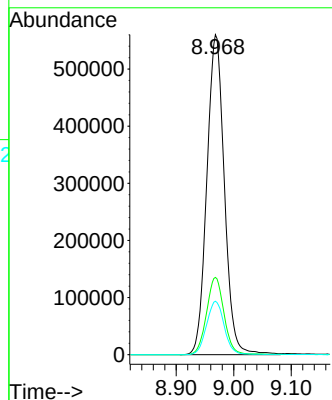
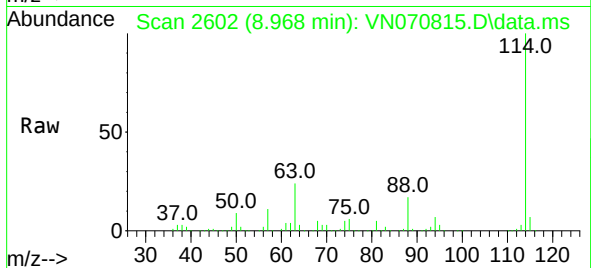
Tgt Ion:114 Resp: 1186767

Ion Ratio Lower Upper

114 100

63 24.2 0.0 37.8

88 16.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.349 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.005 min

Lab File: VN070815.D

Acq: 27 Jan 2022 19:02

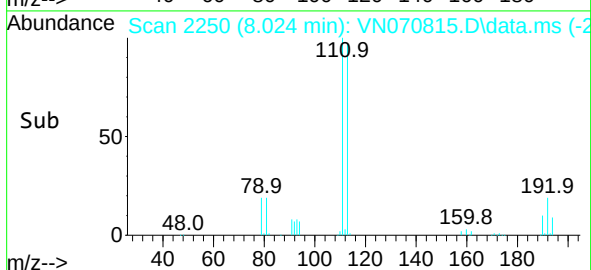
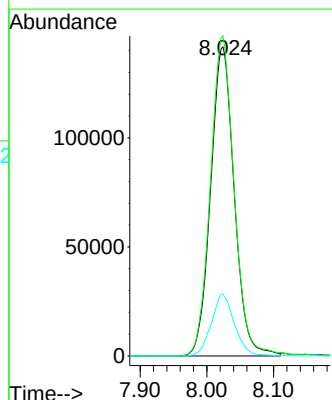
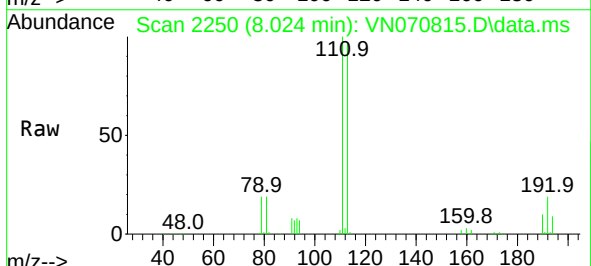
Tgt Ion:113 Resp: 348558

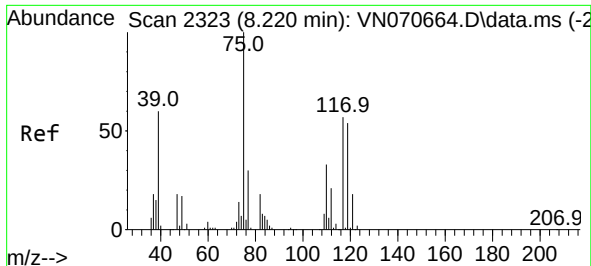
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.2

192 19.5 16.9 25.3

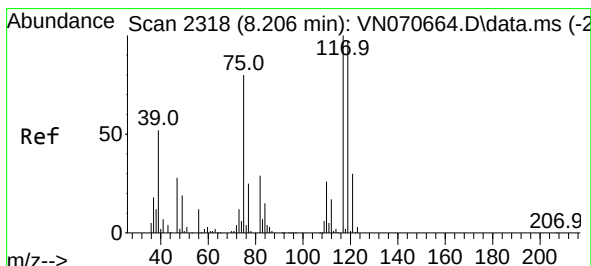
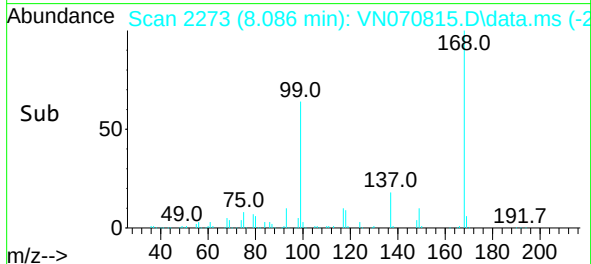
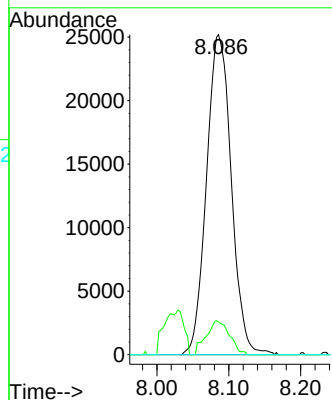
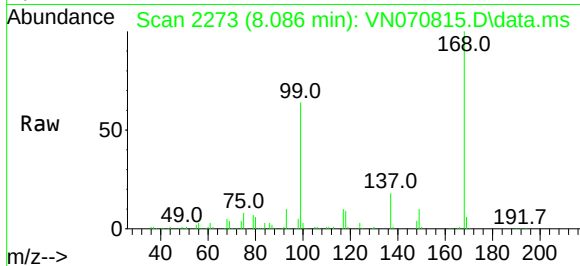




#36
 1,1-Dichloropropene
 Concen: 4.870 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.134 min
 Lab File: VN070815.D
 Acq: 27 Jan 2022 19:02

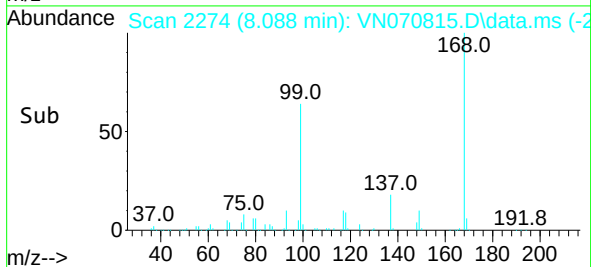
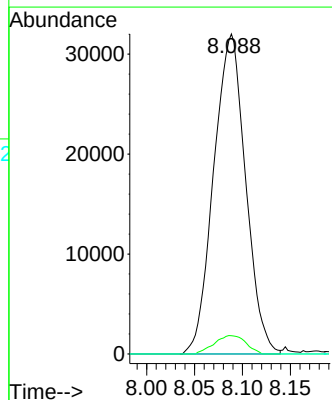
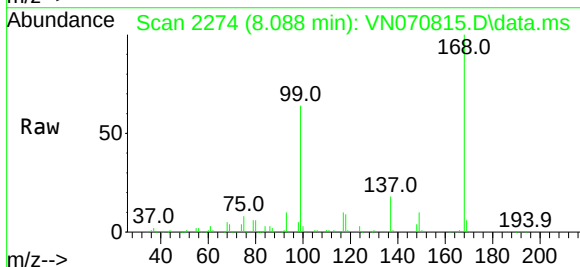
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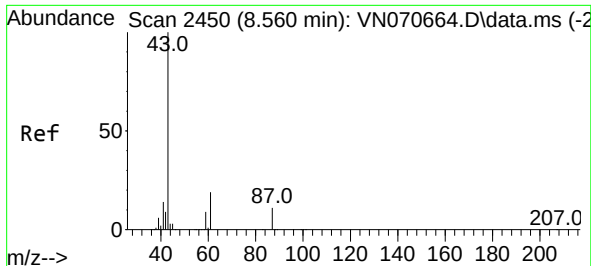
Tgt Ion: 75 Resp: 60349
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.734 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN070815.D
 Acq: 27 Jan 2022 19:02

Tgt Ion: 117 Resp: 74242
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.1 114.1#
 121 0.0 24.2 36.2#

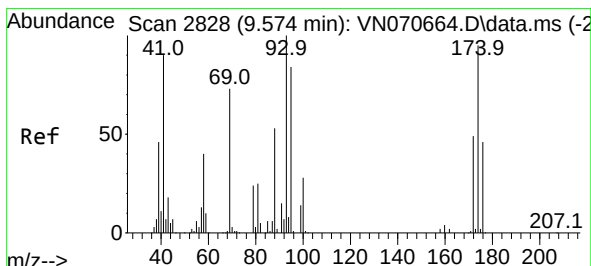
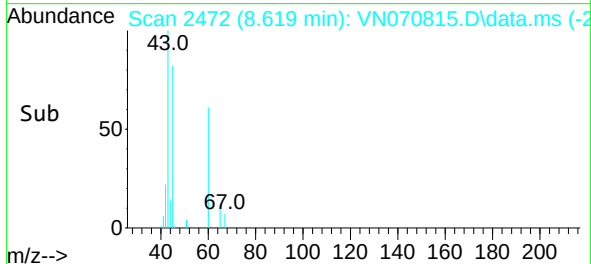
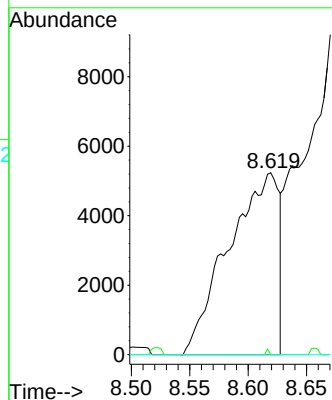
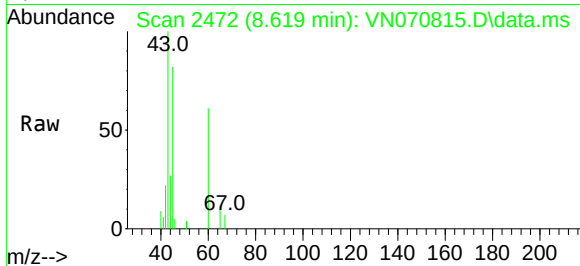




#43
Isopropyl Acetate
Concen: 0.622 ug/l
RT: 8.619 min Scan# 2450
Delta R.T. 0.059 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

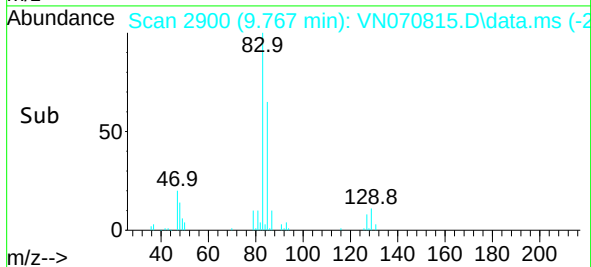
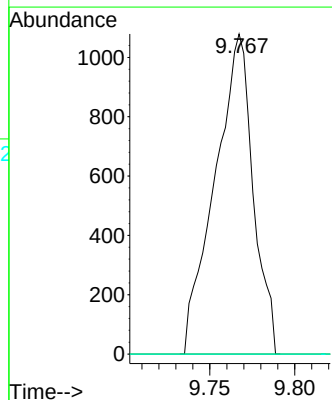
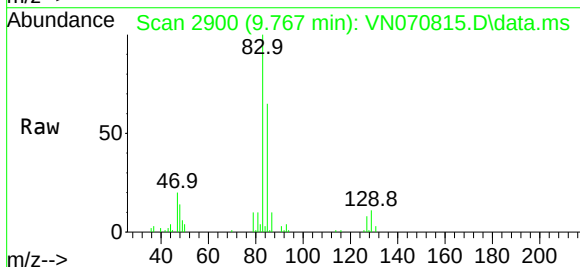
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

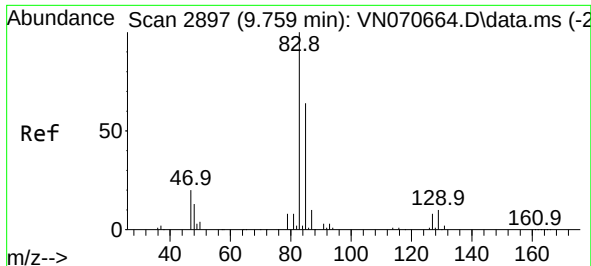
Tgt Ion: 43 Resp: 15632
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#46
Dibromomethane
Concen: 0.279 ug/l
RT: 9.767 min Scan# 2900
Delta R.T. 0.193 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 93 Resp: 1692
Ion Ratio Lower Upper
93 100
95 0.0 65.9 98.9#
174 0.0 84.6 127.0#

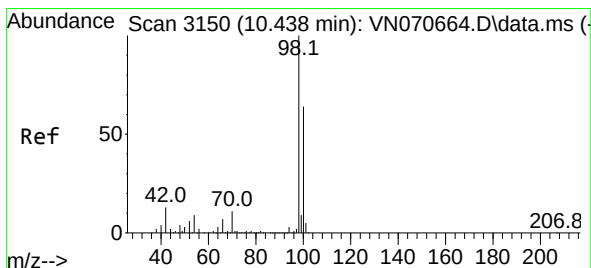
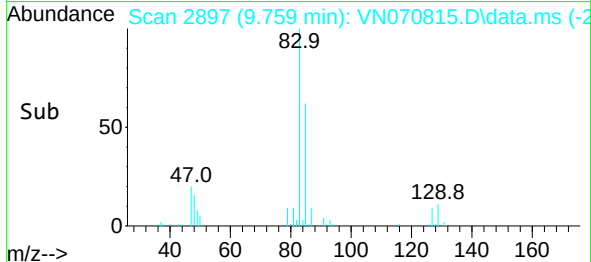
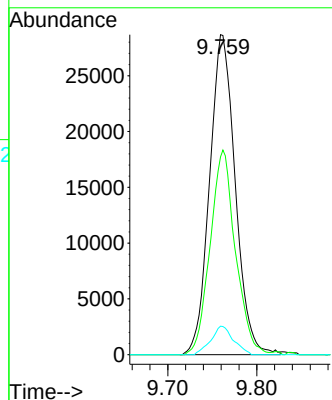
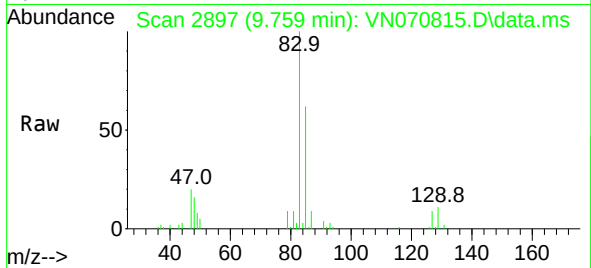




#47
Bromodichloromethane
Concen: 4.629 ug/l
RT: 9.759 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

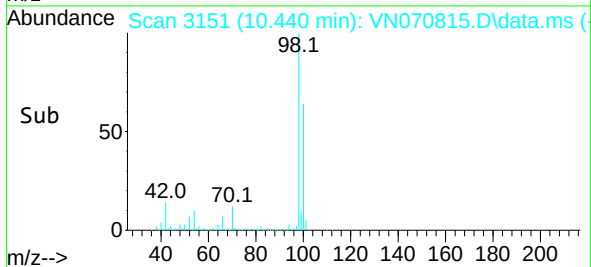
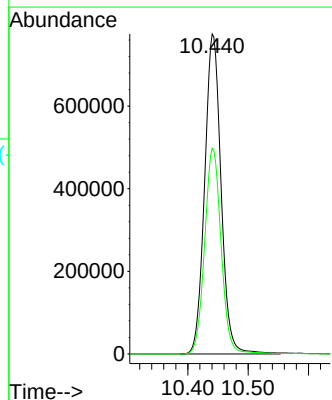
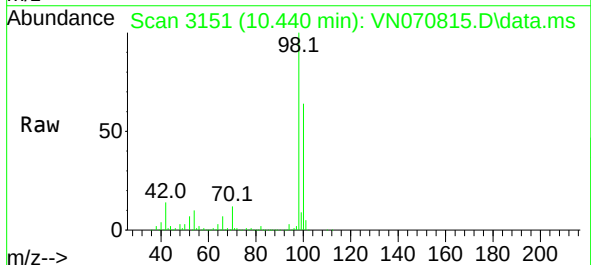
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

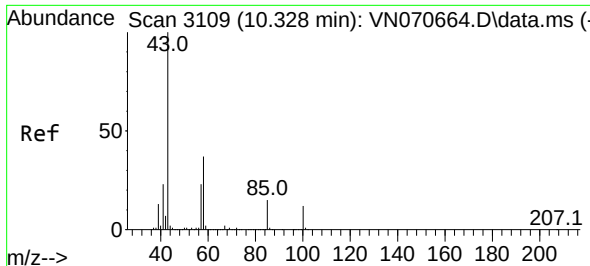
Tgt Ion: 83 Resp: 57480
Ion Ratio Lower Upper
83 100
85 61.8 50.9 76.3
127 8.9 7.1 10.7



#50
Toluene-d8
Concen: 47.206 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 98 Resp: 1463957
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 10.368 min Scan# 3109

Delta R.T. 0.040 min

Lab File: VN070815.D

Acq: 27 Jan 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

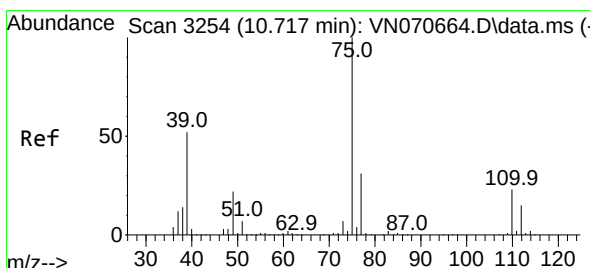
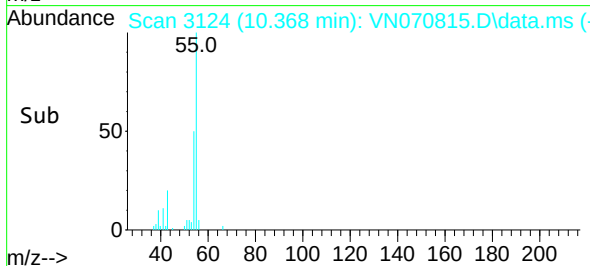
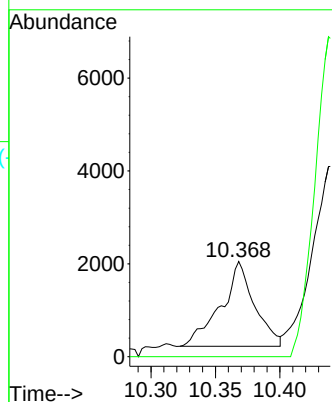
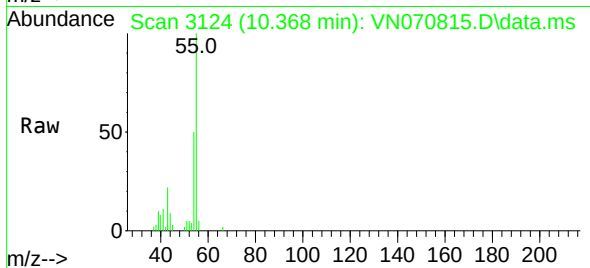
WASTE-CHARACTER-2

Tgt Ion: 43 Resp: 3317

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.446 ug/l

RT: 10.701 min Scan# 3248

Delta R.T. -0.016 min

Lab File: VN070815.D

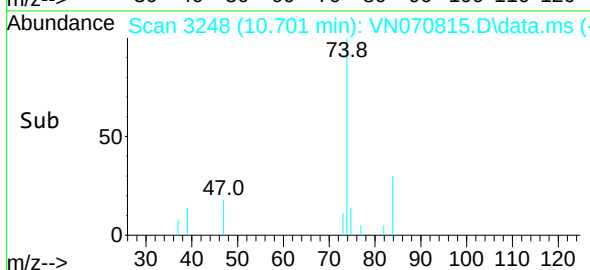
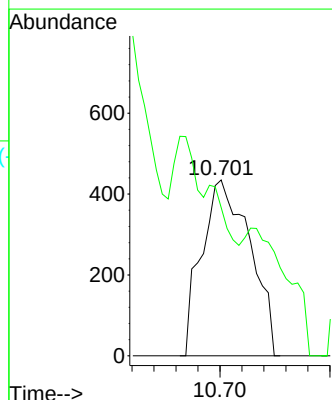
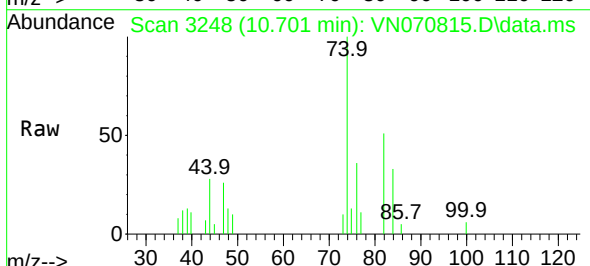
Acq: 27 Jan 2022 19:02

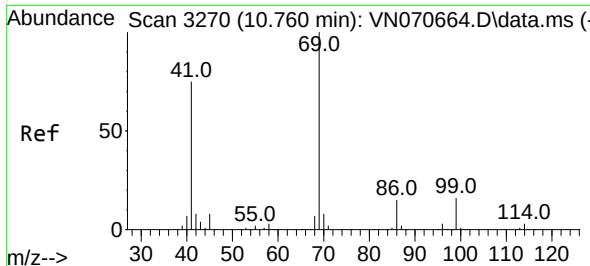
Tgt Ion: 75 Resp: 665

Ion Ratio Lower Upper

75 100

77 34.3 25.6 38.4

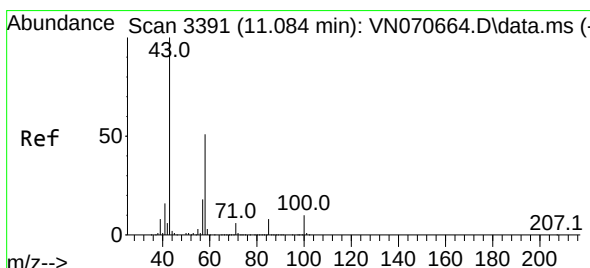
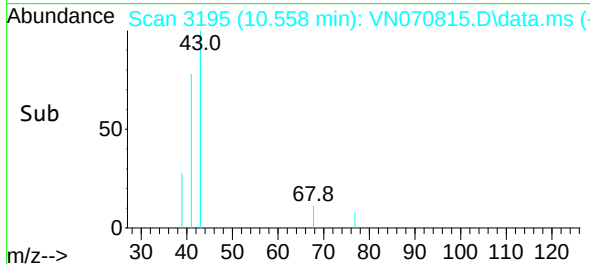
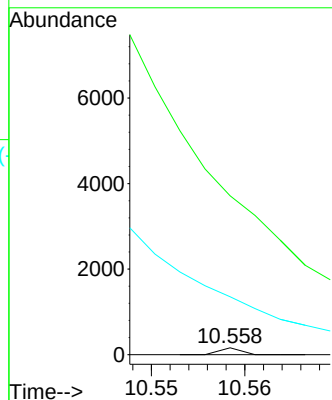
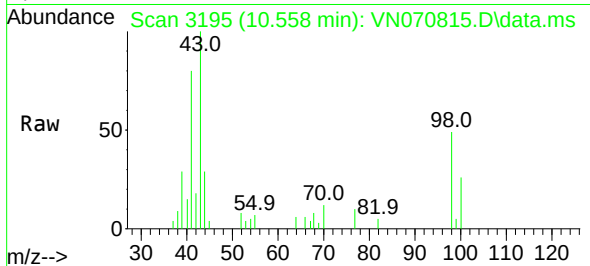




#56
Ethyl methacrylate
Concen: 2.303 ug/l
RT: 10.558 min Scan# 3195
Delta R.T. -0.202 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

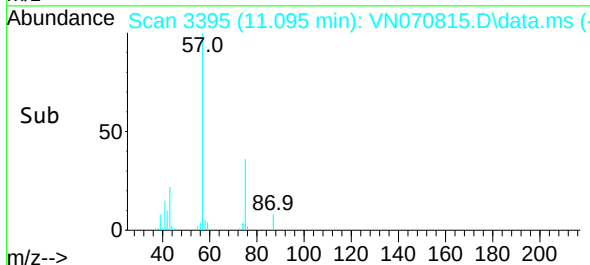
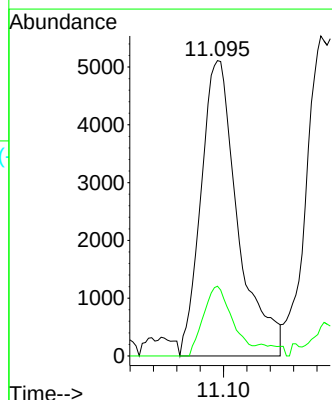
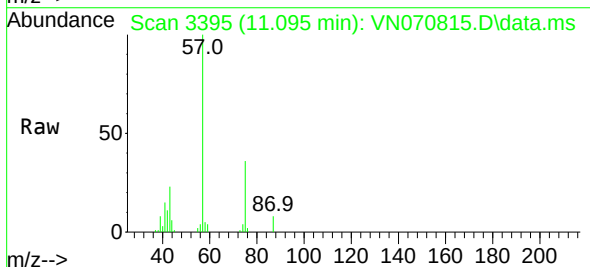
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

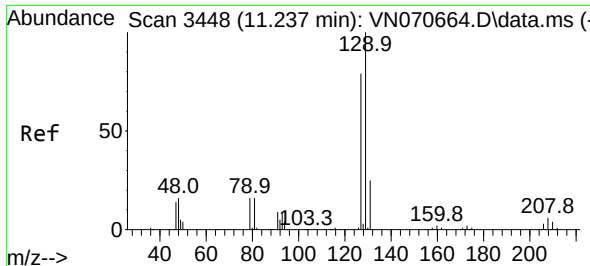
Tgt Ion: 69 Resp: 26
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#59
2-Hexanone
Concen: 0.962 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.011 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 43 Resp: 11202
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#

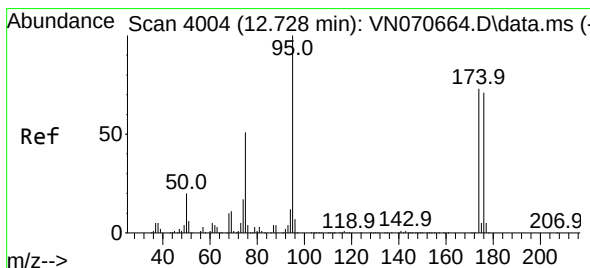
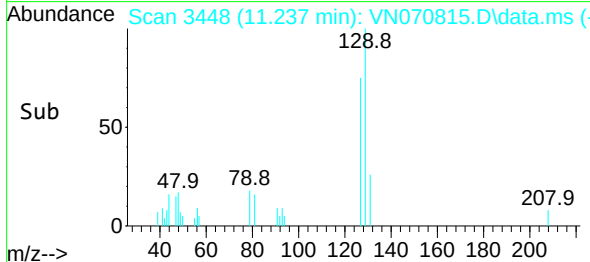
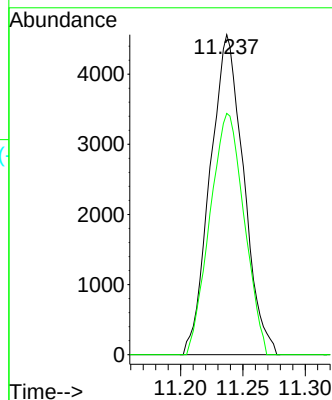
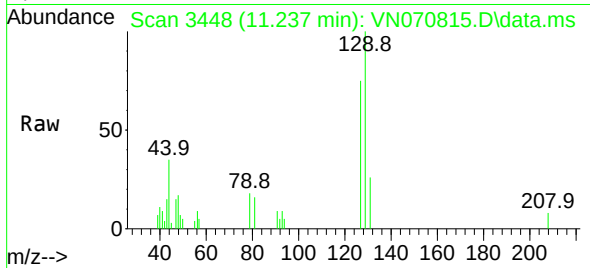




#60
Dibromochloromethane
Concen: 1.013 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.000 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

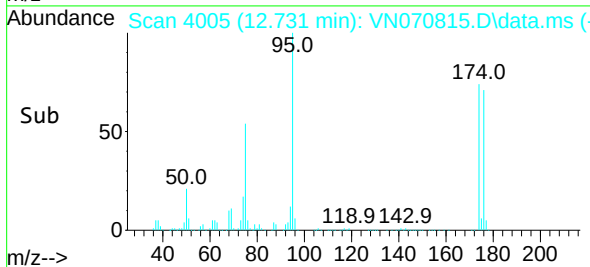
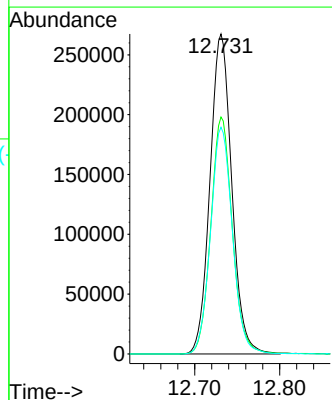
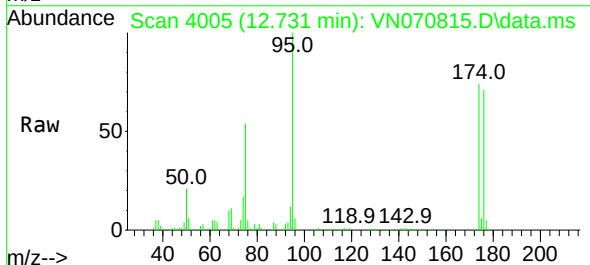
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

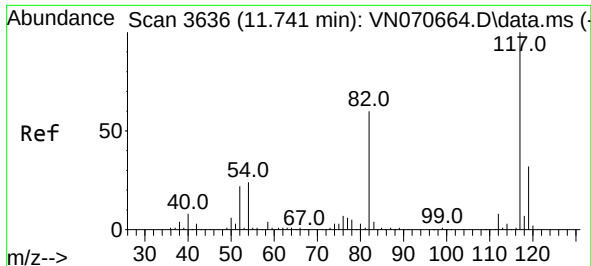
Tgt Ion:129 Resp: 8525
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 43.059 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 95 Resp: 475846
Ion Ratio Lower Upper
95 100
174 73.4 0.0 187.2
176 71.2 0.0 181.4

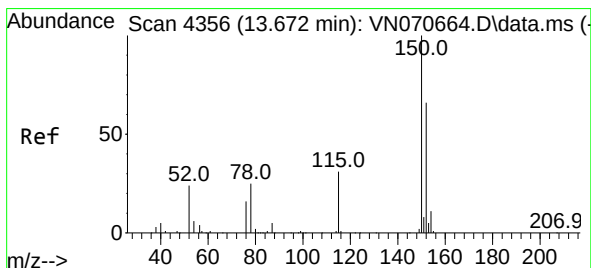
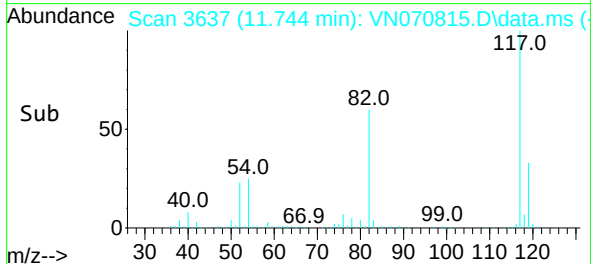
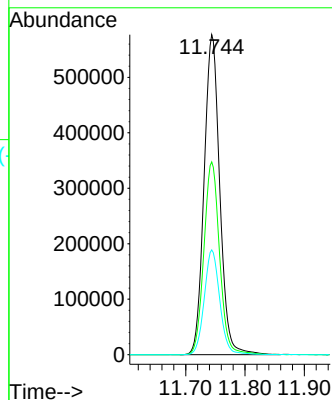
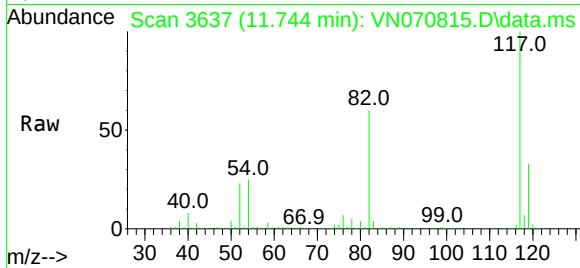




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

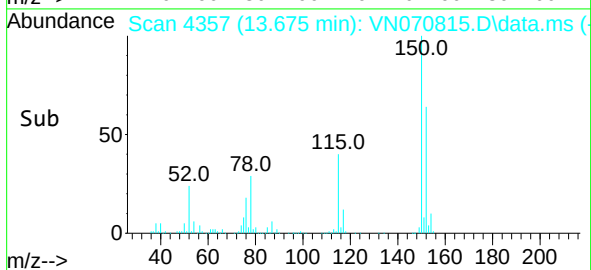
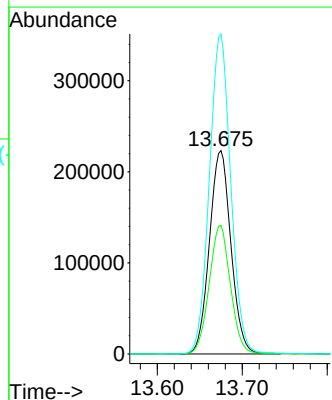
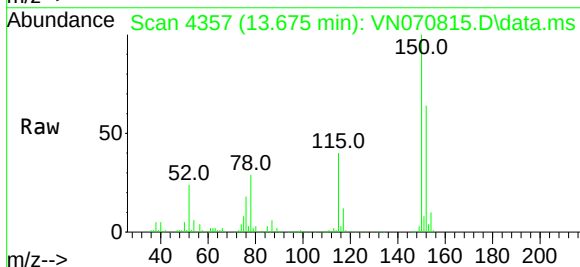
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

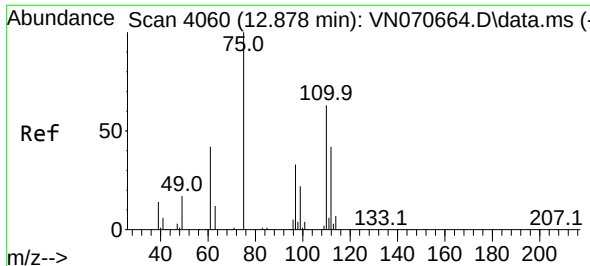
Tgt Ion:117 Resp: 1057315
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion:152 Resp: 393114
Ion Ratio Lower Upper
152 100
115 62.5 27.5 82.5
150 156.5 0.0 344.4

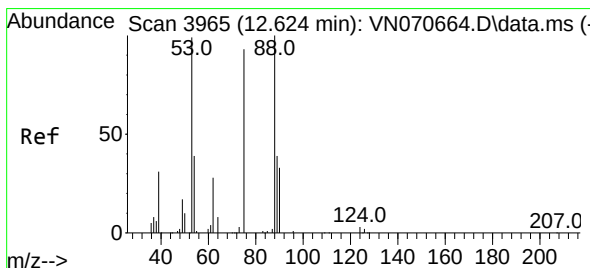
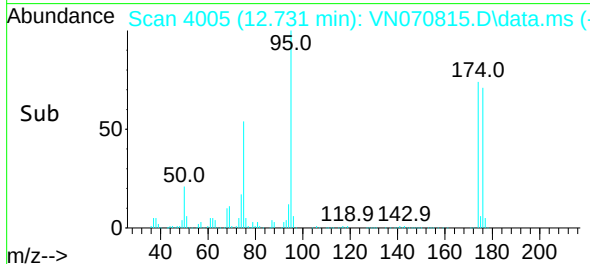
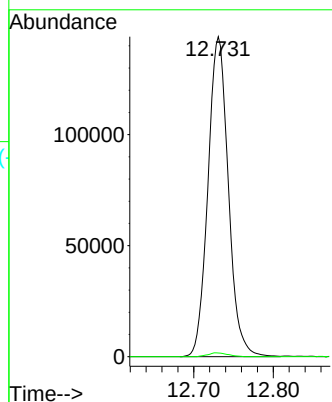
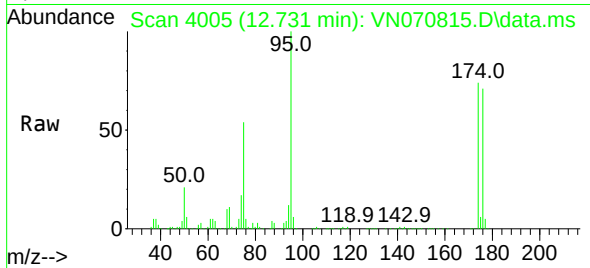




#76
1,2,3-Trichloropropane
Concen: 24.619 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

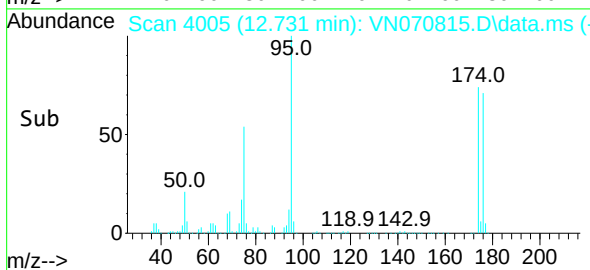
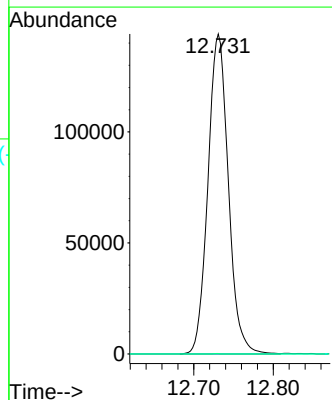
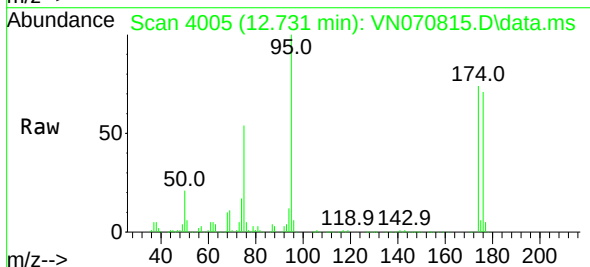
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

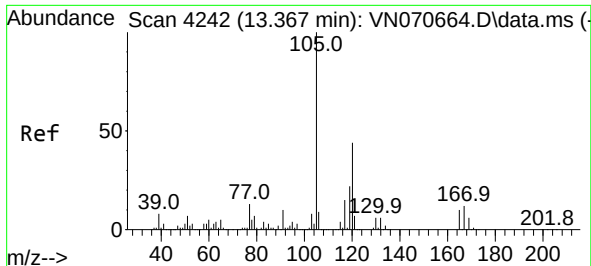
Tgt Ion: 75 Resp: 256686
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.344 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 75 Resp: 256686
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

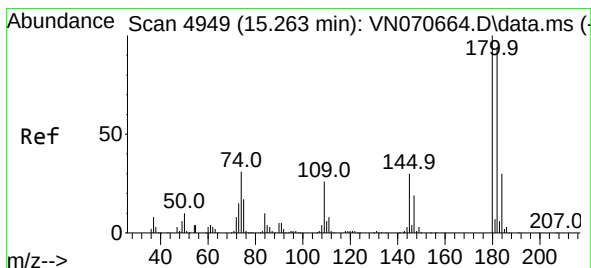
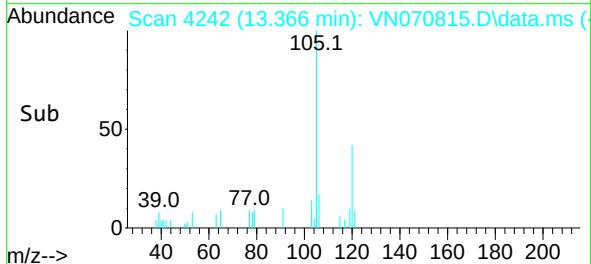
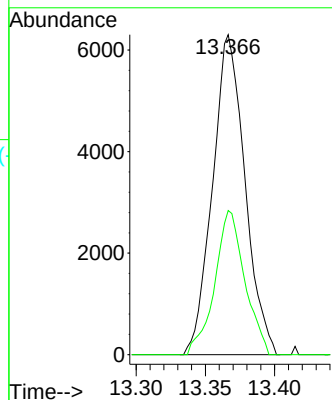
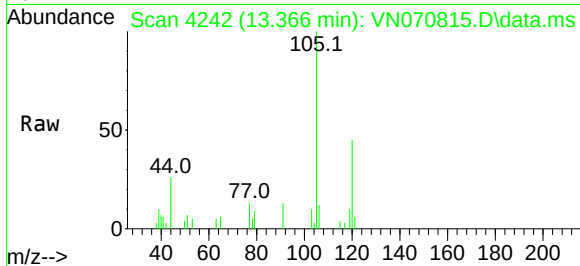




#84
1,2,4-Trimethylbenzene
Concen: 0.355 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

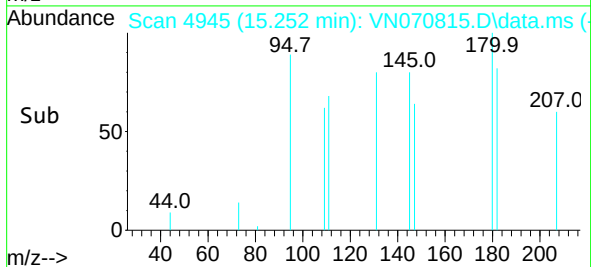
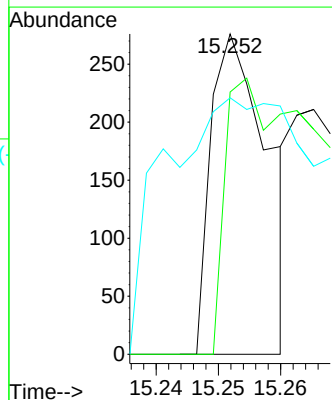
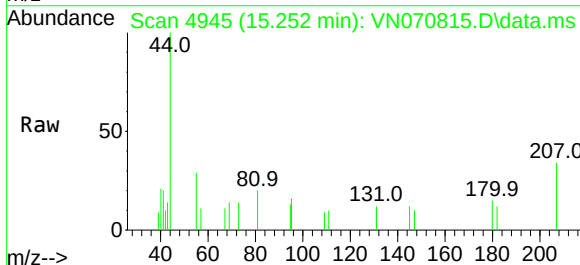
Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

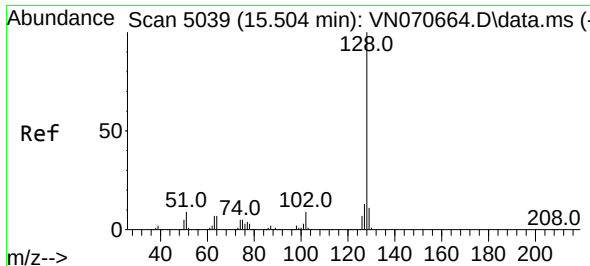
Tgt Ion:105 Resp: 10254
Ion Ratio Lower Upper
105 100
120 41.7 22.8 68.4



#93
1,2,4-Trichlorobenzene
Concen: 3.448 ug/l
RT: 15.252 min Scan# 4945
Delta R.T. -0.011 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 133.1 48.3 144.9
145 221.7 14.5 43.5#

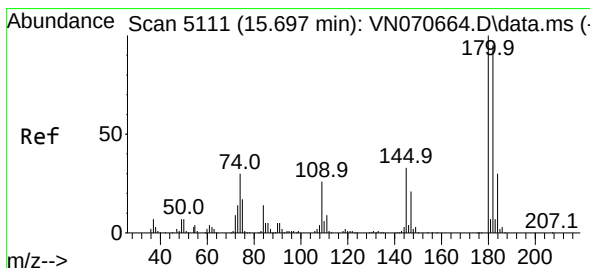
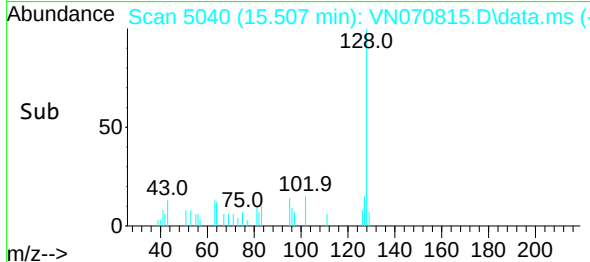
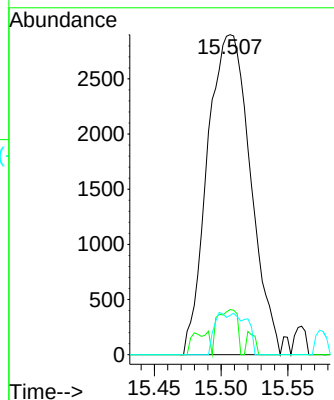
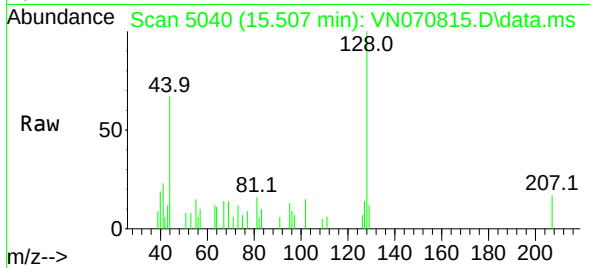




#95
Naphthalene
Concen: 5.236 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Instrument :
MSVOA_N
ClientSampleId :
WASTE-CHARACTER-2

Tgt Ion:128 Resp: 6495
Ion Ratio Lower Upper
128 100
127 6.5 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.251 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. 0.000 min
Lab File: VN070815.D
Acq: 27 Jan 2022 19:02

Tgt Ion:180 Resp: 261
Ion Ratio Lower Upper
180 100
182 97.7 47.4 142.2
145 122.6 15.0 45.1#

