

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053122\
 Data File : VN072651.D
 Acq On : 31 May 2022 13:53
 Operator : JC\MD
 Sample : N3029-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN-001-SEWER-OUTLET-001

Quant Time: Jun 01 02:40:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

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

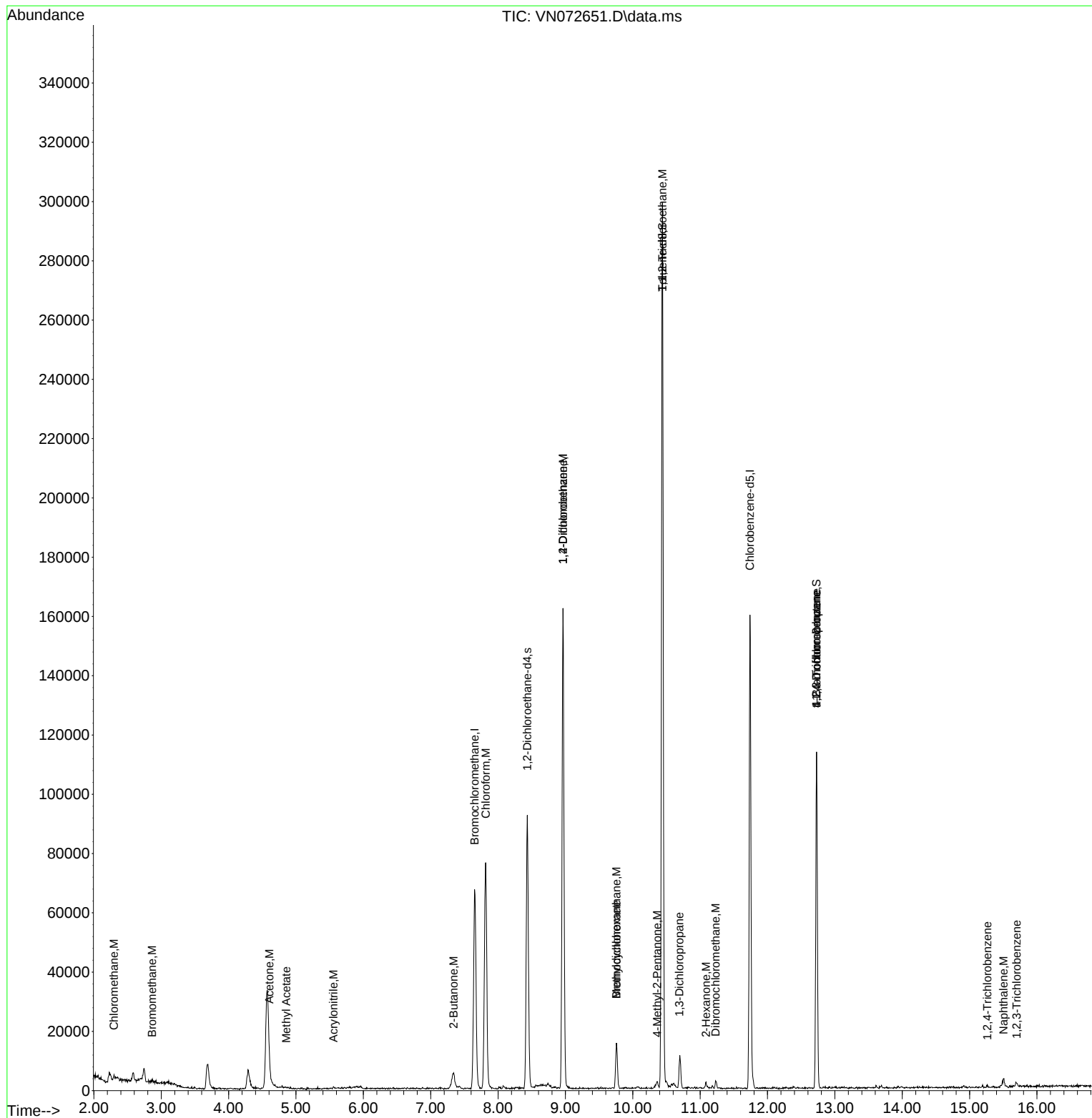
Internal Standards						
1) Bromochloromethane	7.651	128	22841	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	135337	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	87377	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	73312	33.543	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.800%#
60) 4-Bromofluorobenzene	12.727	95	37037	24.136	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.467%
63) Toluene-d8	10.439	98	208863	42.040	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	140.133%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	770	0.368	ug/l	96
5) Bromomethane	2.863	94	199	0.234	ug/l	86
12) Methyl Acetate	4.857	43	618	0.229	ug/l #	49
14) Acrylonitrile	5.557	53	243	0.209	ug/l #	80
15) Acetone	4.604	58	67	0.224	ug/l	72
25) Chloroform	7.816	83	75427	22.260	ug/l	99
30) 2-Butanone	7.340	43	8684	5.039	ug/l #	92
36) 1,2-Dichloroethane	8.963	62	4986	1.907	ug/l #	77
38) Methylcyclohexane	9.757	83	10686	3.380	ug/l #	21
41) Bromodichloromethane	9.757	83	10686	3.918	ug/l	93
50) 1,1,2-Trichloroethane	10.439	97	6212	3.106	ug/l #	1
52) 1,3-Dichloropropane	10.692	76	2146	0.608	ug/l #	42
53) Dibromochloromethane	11.228	129	1270	0.618	ug/l	82
58) 4-Methyl-2-Pentanone	10.363	43	5159	2.044	ug/l #	49
59) 2-Hexanone	11.086	43	1262	0.701	ug/l #	84
72) 1,2,3-Trichloropropane	12.727	75	21442	11.839	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	21442	30.297	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.263	180	302	0.260	ug/l #	72
91) Naphthalene	15.504	128	4386	1.076	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.698	180	583	0.492	ug/l	59

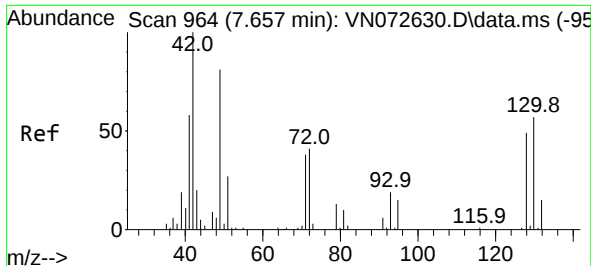
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 27 05:07:24 2022
Response via : Initial Calibration

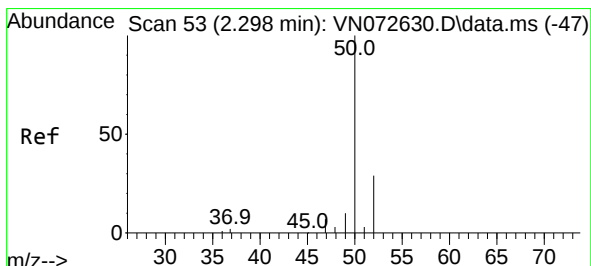
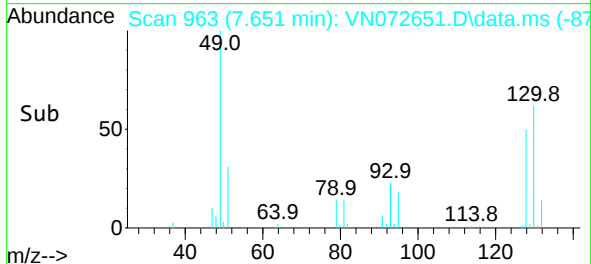
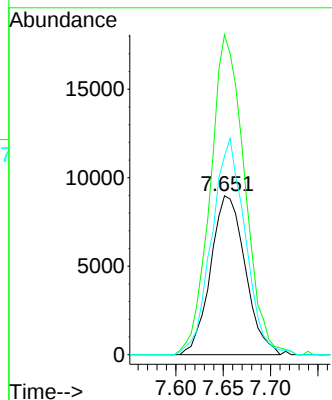
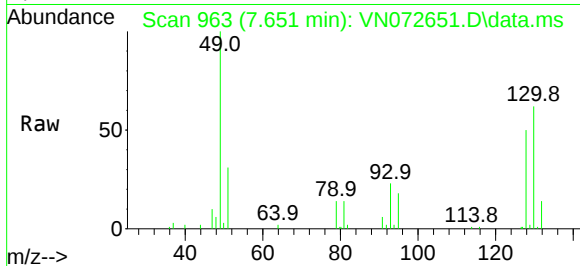




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. -0.006 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

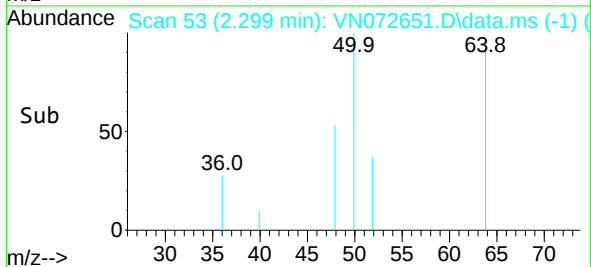
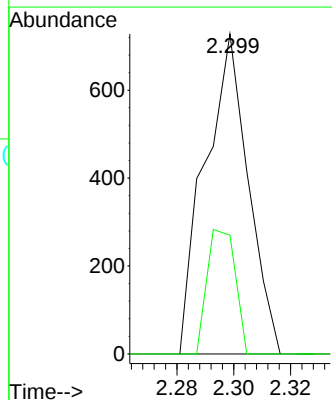
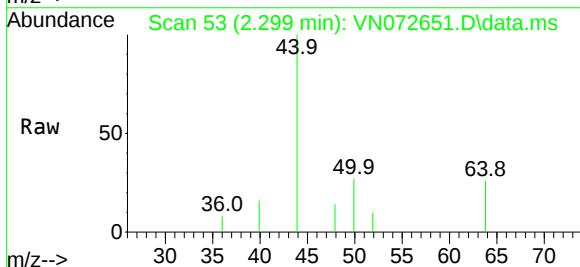
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

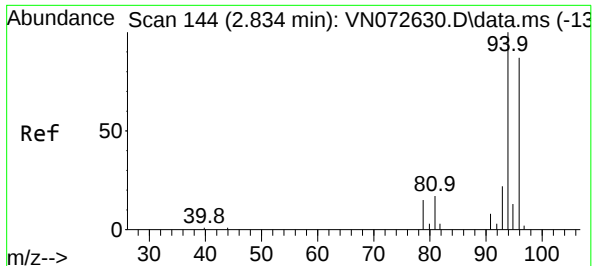
Tgt Ion:128 Resp: 22841
Ion Ratio Lower Upper
128 100
49 199.3 0.0 392.3
130 131.9 0.0 320.2



#3
Chloromethane
Concen: 0.368 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 50 Resp: 770
Ion Ratio Lower Upper
50 100
52 37.1 27.8 41.6

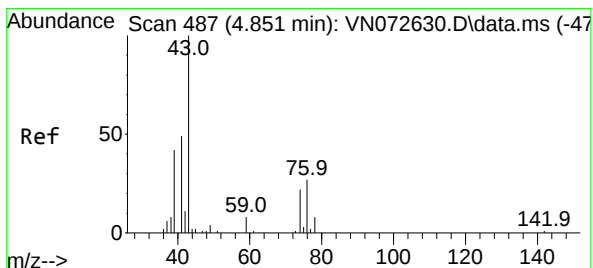
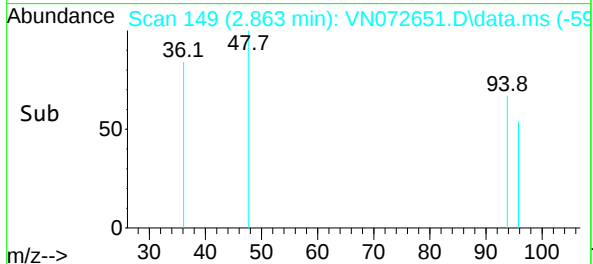
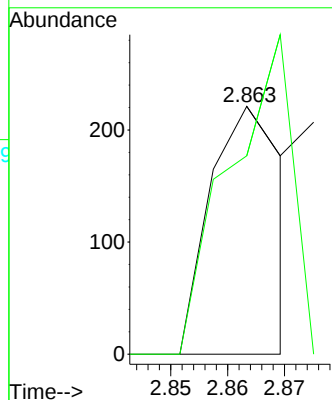
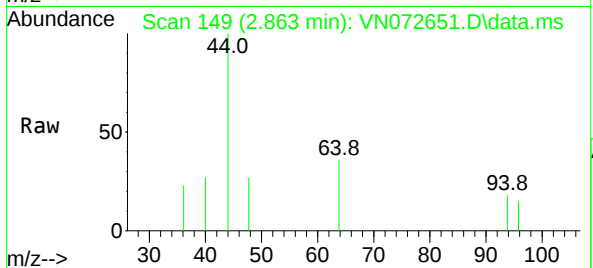




#5
Bromomethane
Concen: 0.234 ug/l
RT: 2.863 min Scan# 144
Delta R.T. 0.030 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

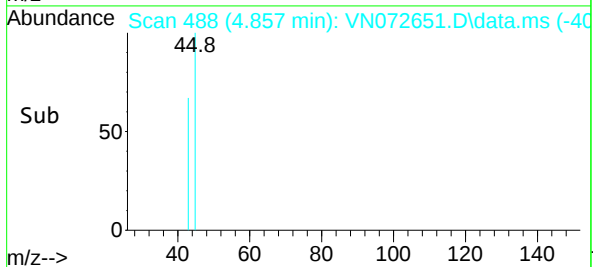
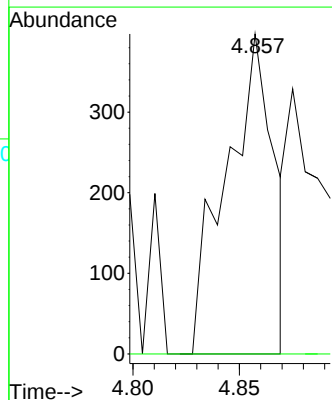
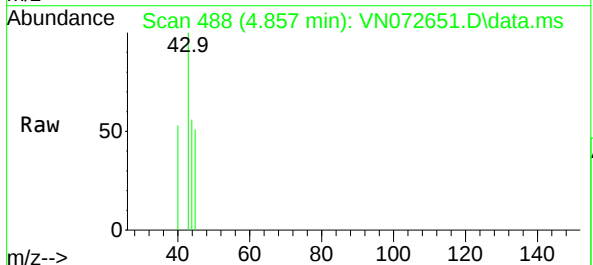
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

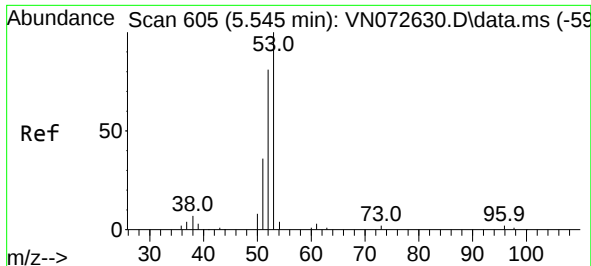
Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 80.1 75.2 112.8



#12
Methyl Acetate
Concen: 0.229 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#

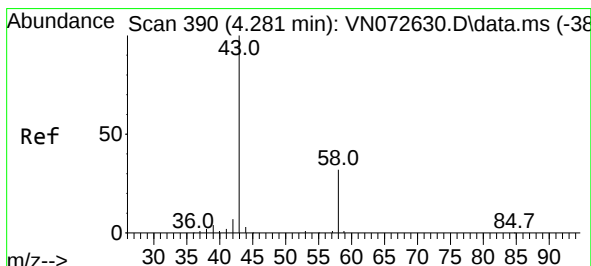
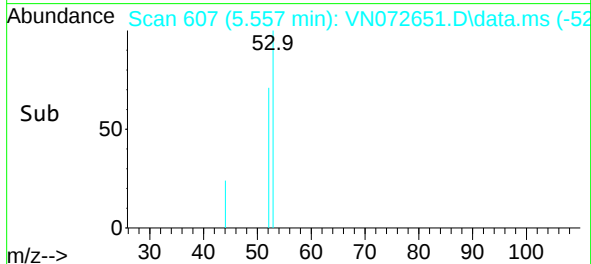
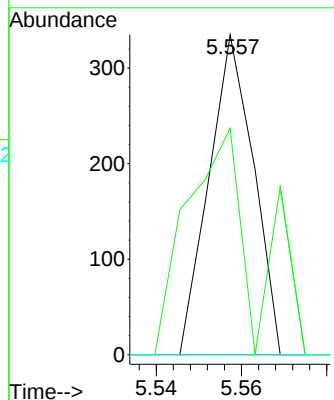
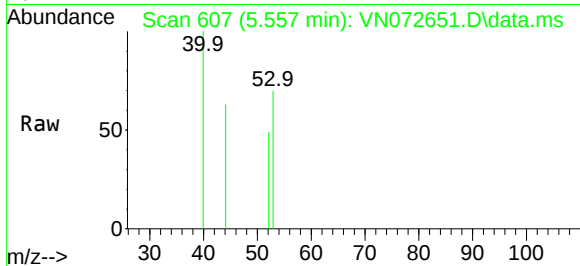




#14
Acrylonitrile
Concen: 0.209 ug/l
RT: 5.557 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

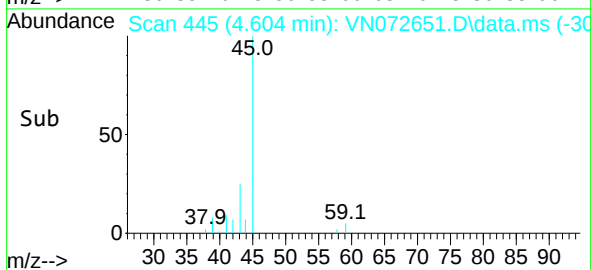
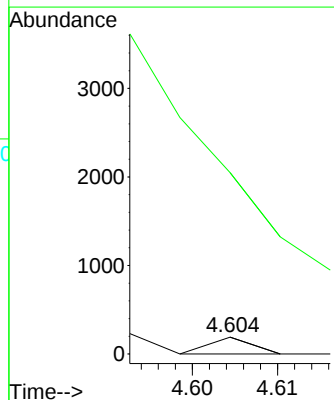
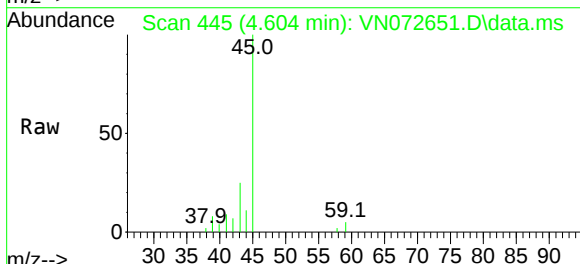
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

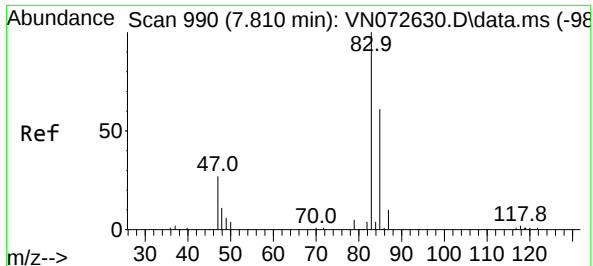
Tgt Ion: 53 Resp: 243
Ion Ratio Lower Upper
53 100
52 83.1 41.8 125.4
51 0.0 19.0 57.0#



#15
Acetone
Concen: 0.224 ug/l
RT: 4.604 min Scan# 445
Delta R.T. 0.324 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 58 Resp: 67
Ion Ratio Lower Upper
58 100
43 379.1 256.6 384.8

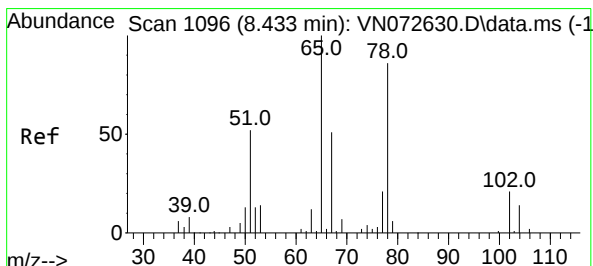
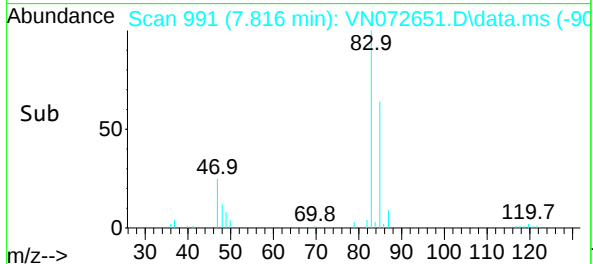
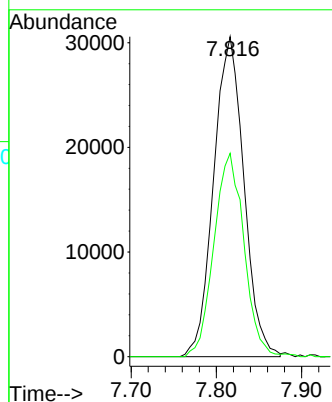
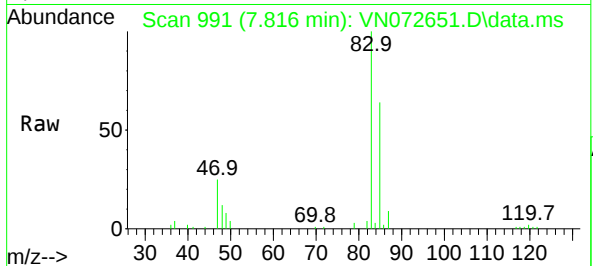




#25
Chloroform
Concen: 22.260 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

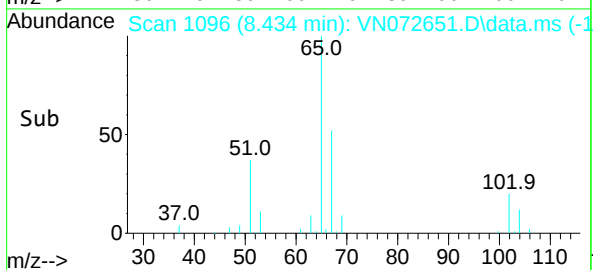
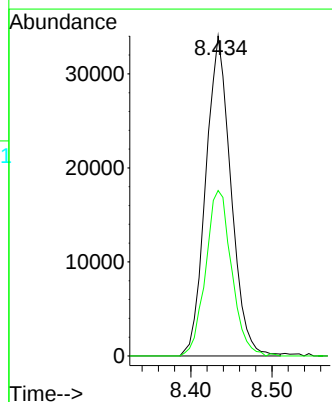
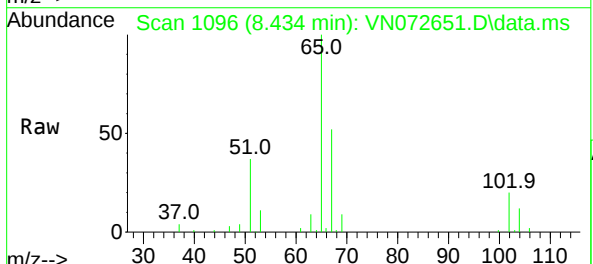
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

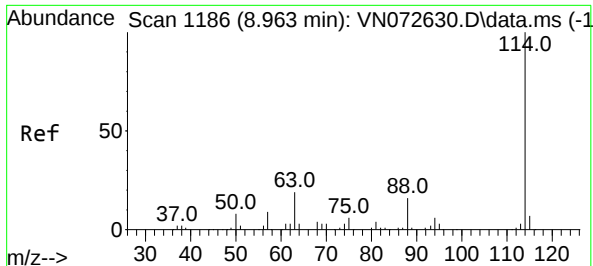
Tgt Ion: 83 Resp: 75427
Ion Ratio Lower Upper
83 100
85 63.6 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 33.543 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 65 Resp: 73312
Ion Ratio Lower Upper
65 100
67 53.2 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072651.D

Acq: 31 May 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

DSN-001-SEWER-OUTLET-001

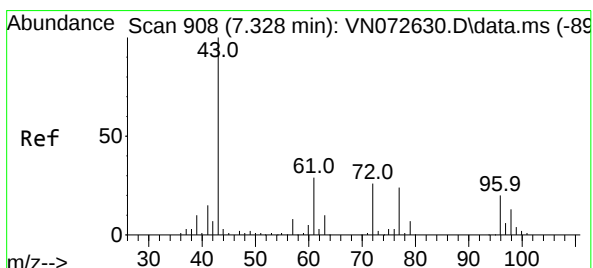
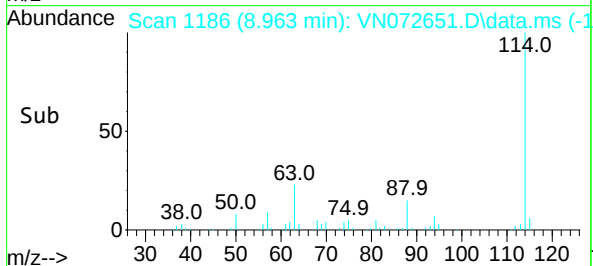
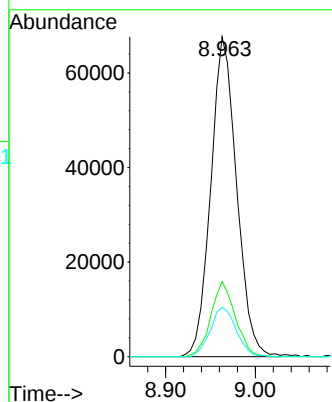
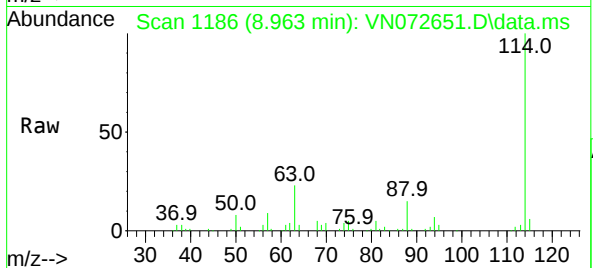
Tgt Ion:114 Resp: 135337

Ion Ratio Lower Upper

114 100

63 22.2 15.8 23.6

88 15.4 11.6 17.4



#30

2-Butanone

Concen: 5.039 ug/l

RT: 7.340 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN072651.D

Acq: 31 May 2022 13:53

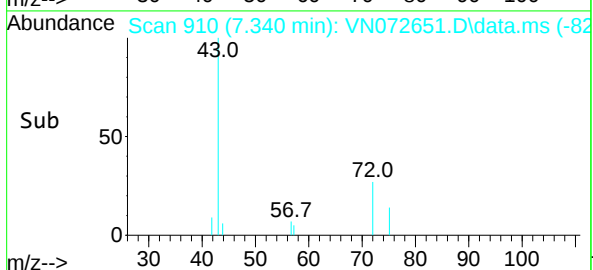
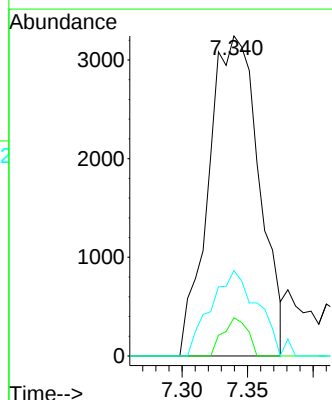
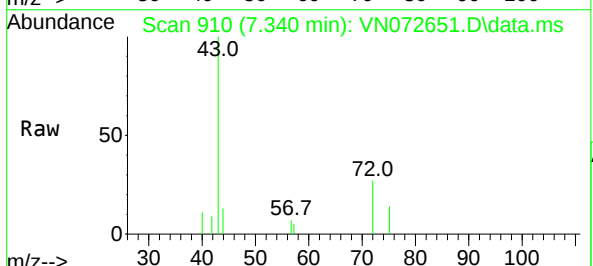
Tgt Ion: 43 Resp: 8684

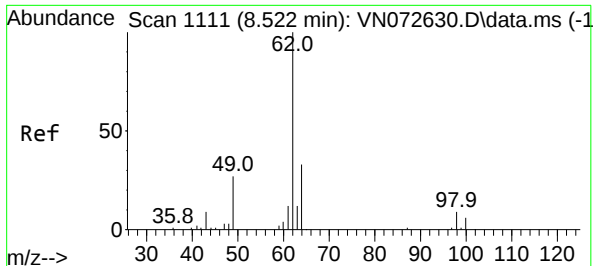
Ion Ratio Lower Upper

43 100

57 5.8 6.7 10.1#

72 24.3 23.2 34.8





#36

1,2-Dichloroethane

Concen: 1.907 ug/l

RT: 8.963 min Scan# 1111

Delta R.T. 0.441 min

Lab File: VN072651.D

Acq: 31 May 2022 13:53

Instrument :

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ClientSampleId :

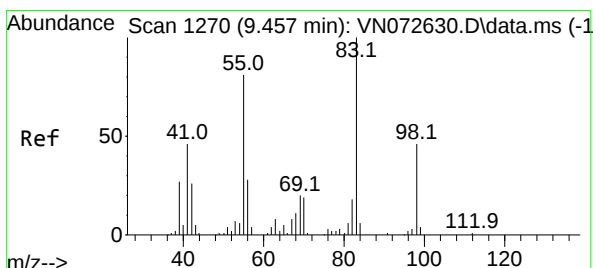
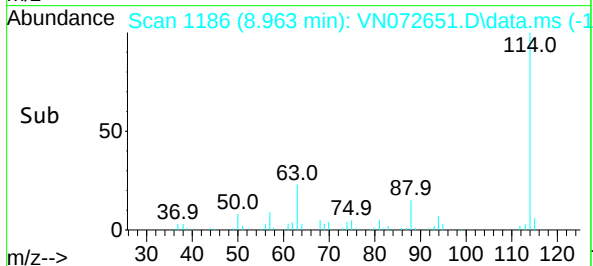
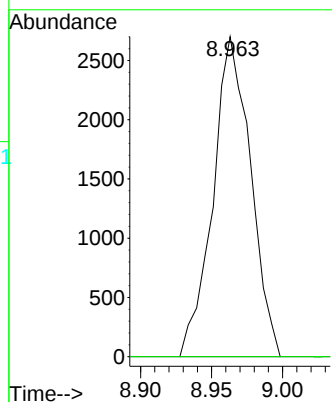
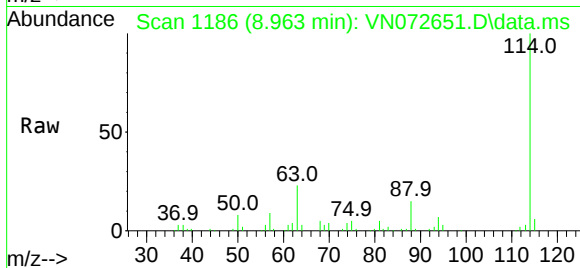
DSN-001-SEWER-OUTLET-001

Tgt Ion: 62 Resp: 4986

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#38

Methylcyclohexane

Concen: 3.380 ug/l

RT: 9.757 min Scan# 1321

Delta R.T. 0.300 min

Lab File: VN072651.D

Acq: 31 May 2022 13:53

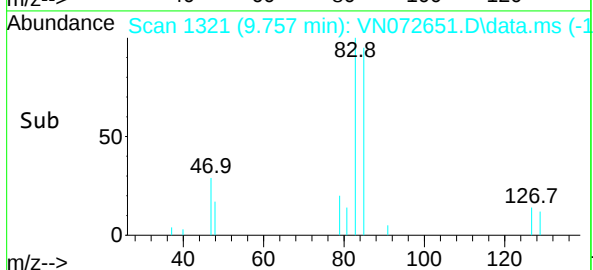
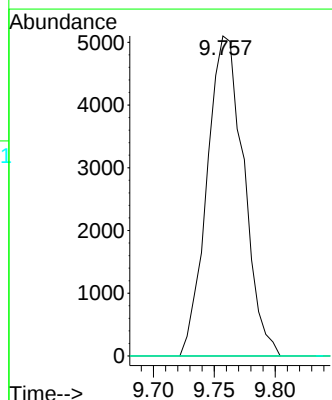
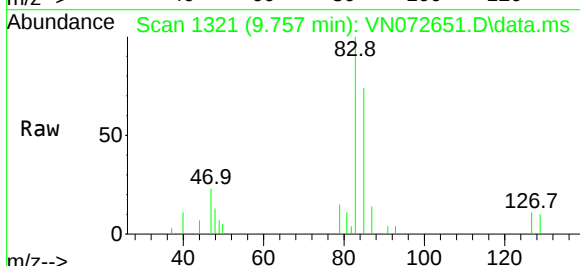
Tgt Ion: 83 Resp: 10686

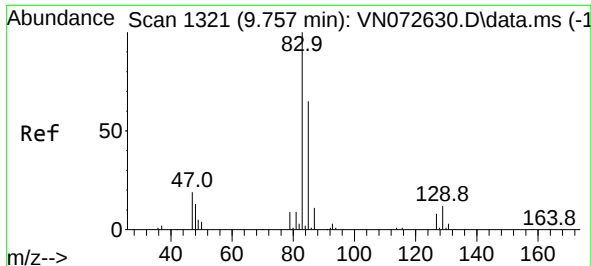
Ion Ratio Lower Upper

83 100

55 0.0 35.1 105.3#

98 0.0 23.4 70.2#

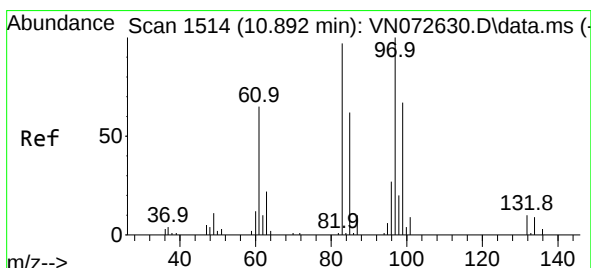
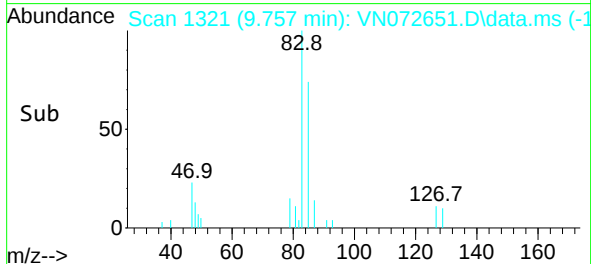
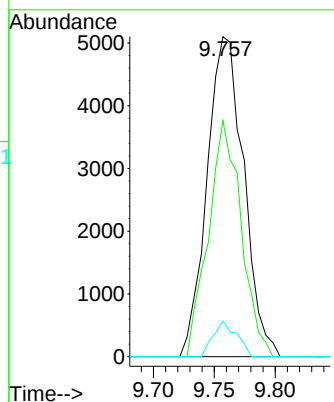
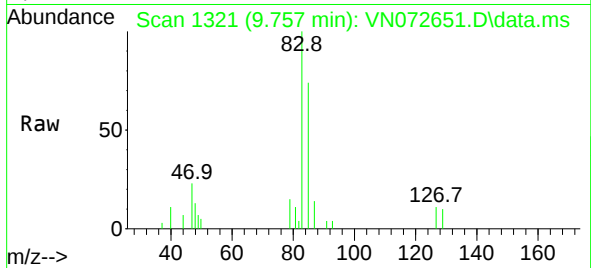




#41
Bromodichloromethane
Concen: 3.918 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

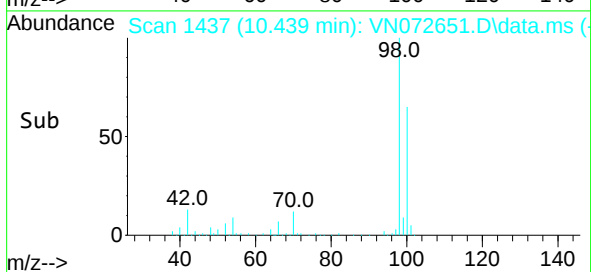
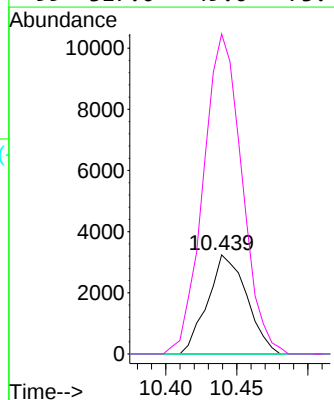
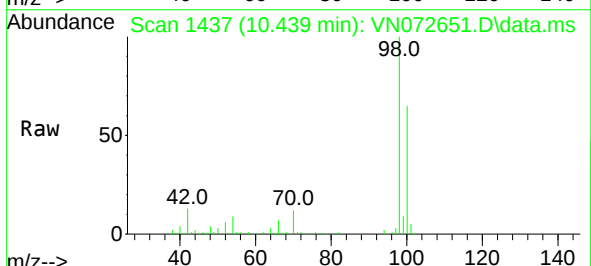
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

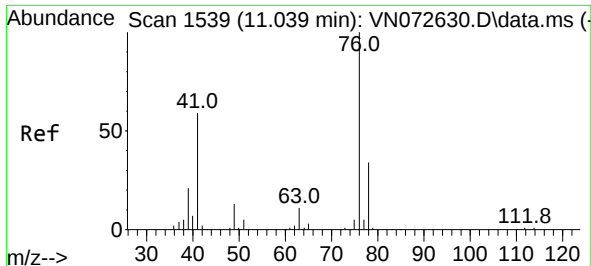
Tgt Ion: 83 Resp: 10686
Ion Ratio Lower Upper
83 100
85 73.8 54.1 81.1
127 11.2 7.6 11.4



#50
1,1,2-Trichloroethane
Concen: 3.106 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.453 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 97 Resp: 6212
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 317.0 49.0 73.4#

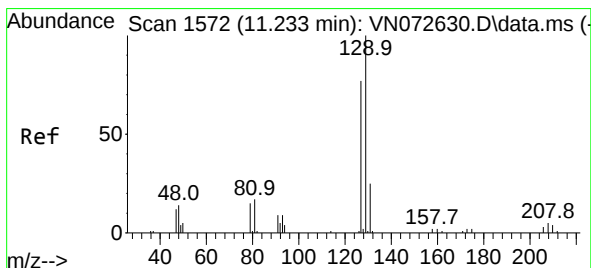
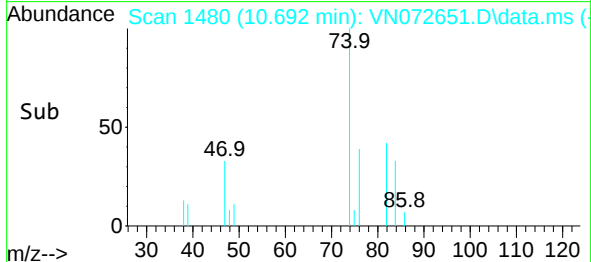
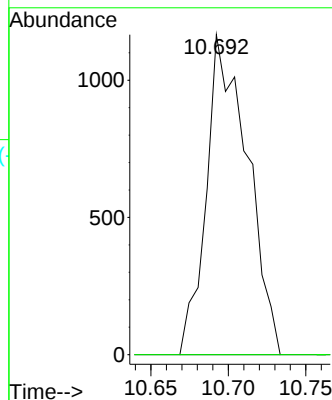
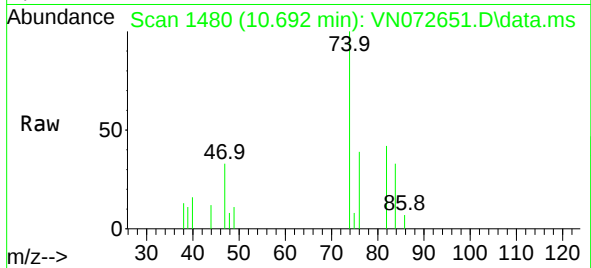




#52
1,3-Dichloropropane
Concen: 0.608 ug/l
RT: 10.692 min Scan# 14
Delta R.T. -0.347 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

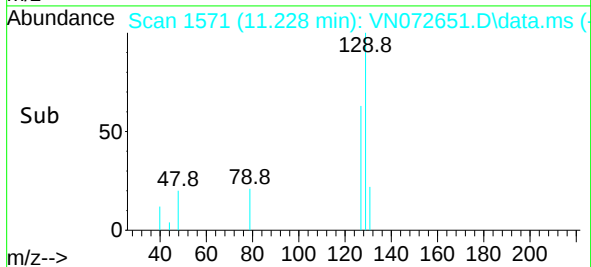
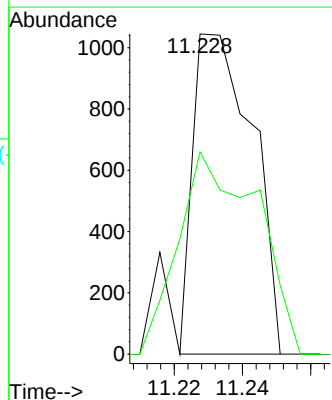
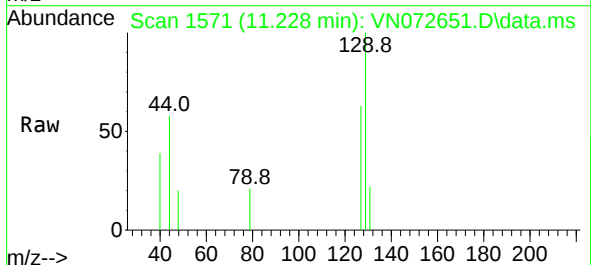
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

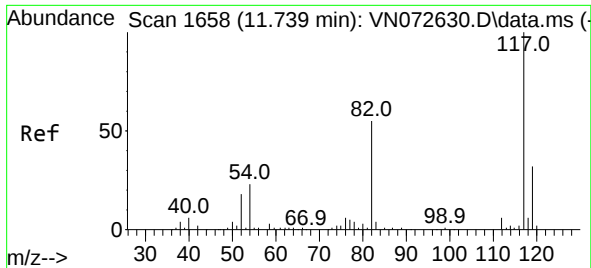
Tgt Ion: 76 Resp: 2146
Ion Ratio Lower Upper
76 100
78 0.0 0.0 65.4



#53
Dibromochloromethane
Concen: 0.618 ug/l
RT: 11.228 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 129 Resp: 1270
Ion Ratio Lower Upper
129 100
127 62.8 39.0 117.0

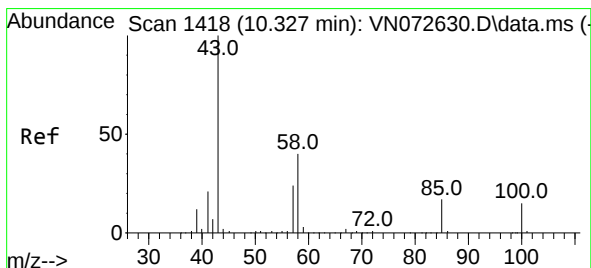
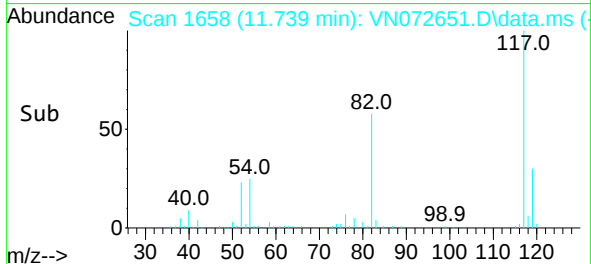
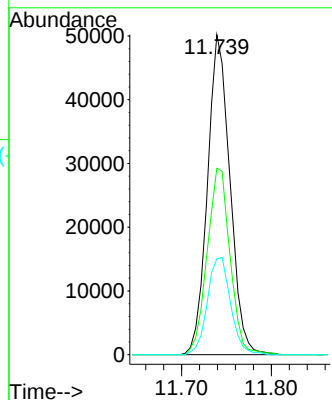
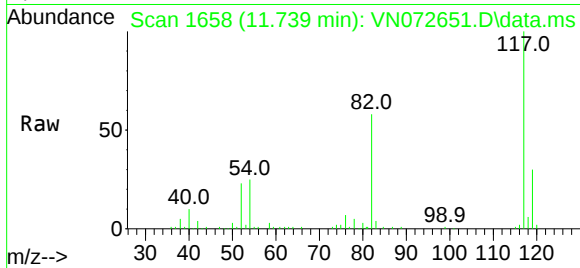




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

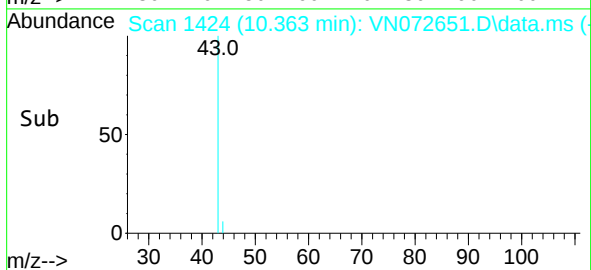
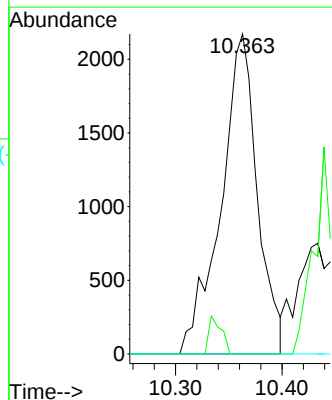
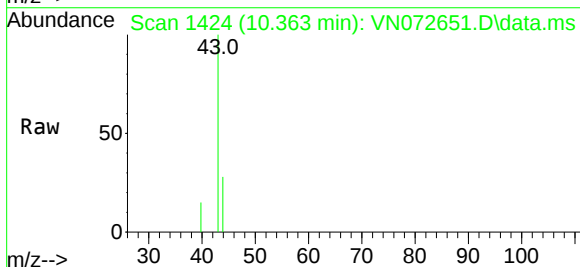
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

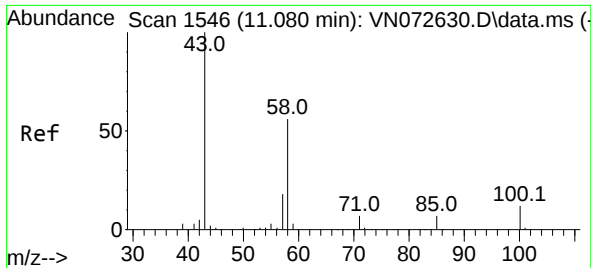
Tgt Ion:117 Resp: 87377
Ion Ratio Lower Upper
117 100
82 59.4 43.6 65.4
119 31.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 2.044 ug/l
RT: 10.363 min Scan# 1424
Delta R.T. 0.036 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 43 Resp: 5159
Ion Ratio Lower Upper
43 100
58 4.1 30.0 45.0#
85 0.0 15.0 22.6#

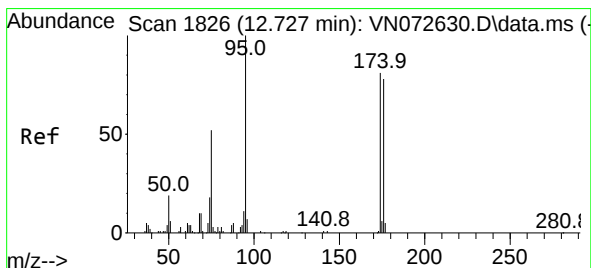
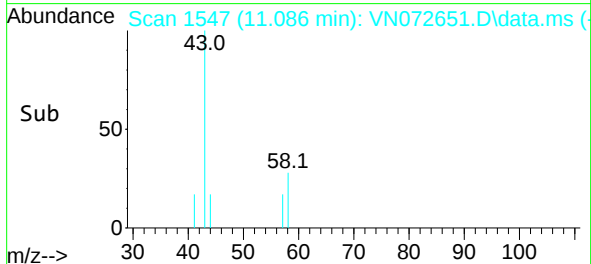
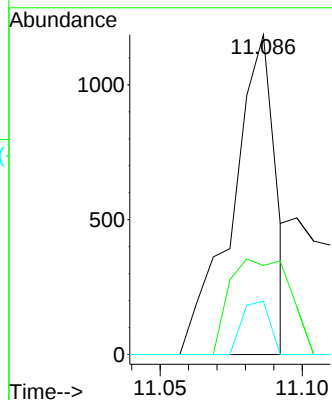
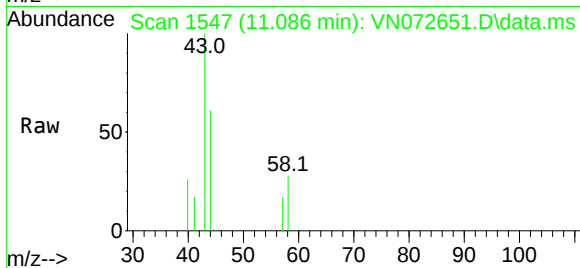




#59
2-Hexanone
Concen: 0.701 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

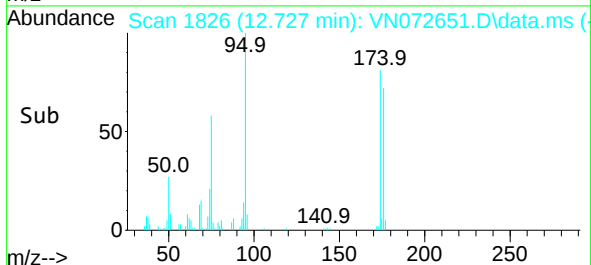
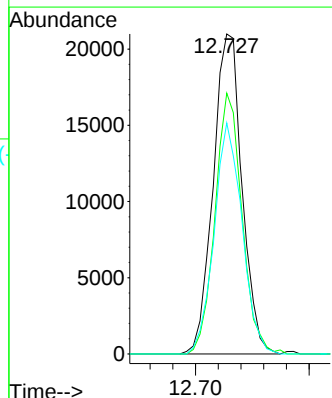
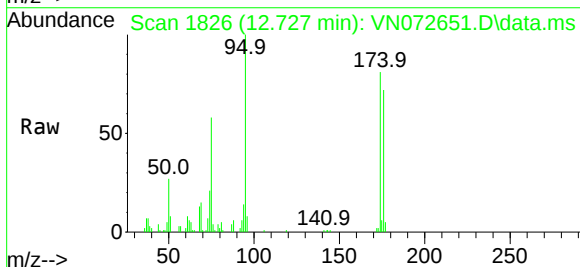
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

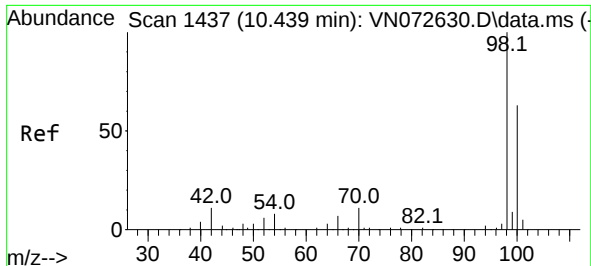
Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 41.6 42.2 63.2#
57 10.6 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 24.136 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 95 Resp: 37037
Ion Ratio Lower Upper
95 100
174 76.3 62.9 94.3
176 69.8 61.0 91.4

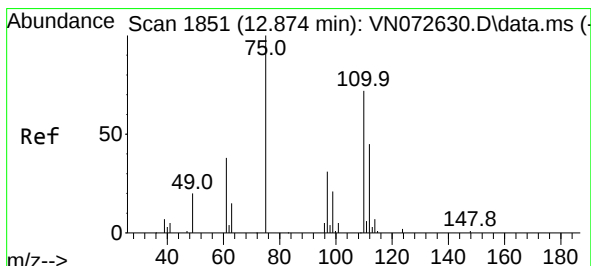
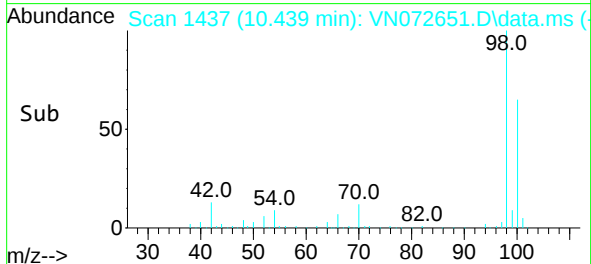
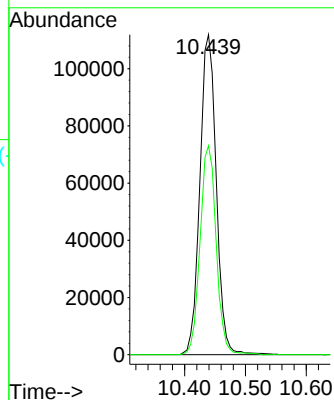
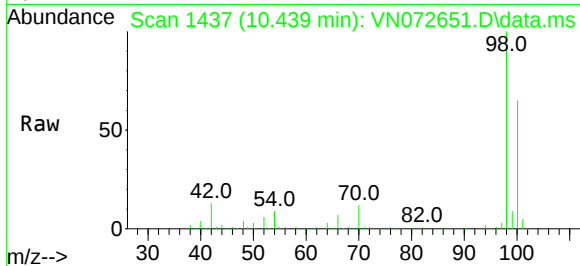




#63
Toluene-d8
Concen: 42.040 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

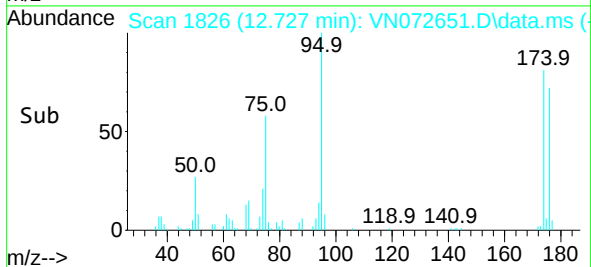
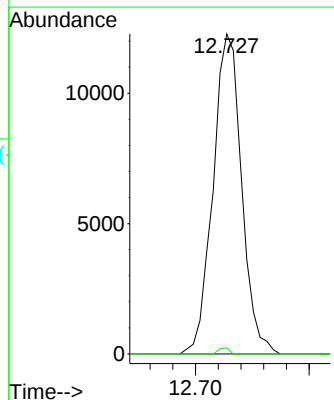
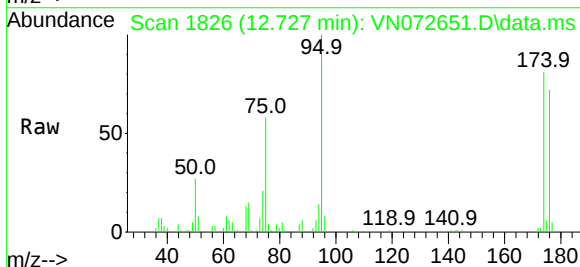
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

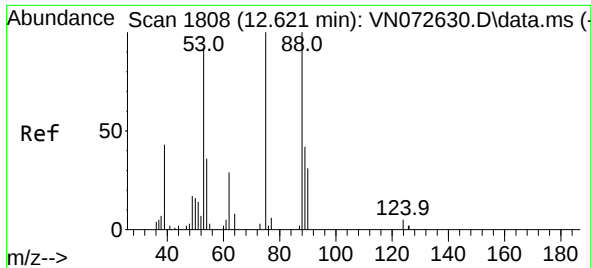
Tgt Ion: 98 Resp: 208863
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 11.839 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 75 Resp: 21442
Ion Ratio Lower Upper
75 100
77 0.7 0.0 378.0

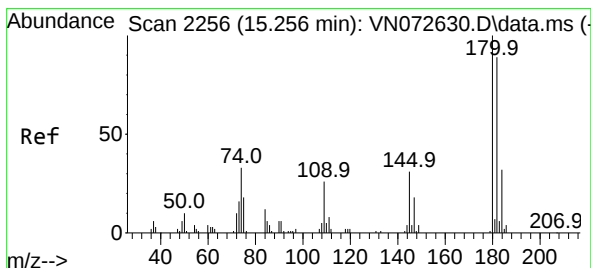
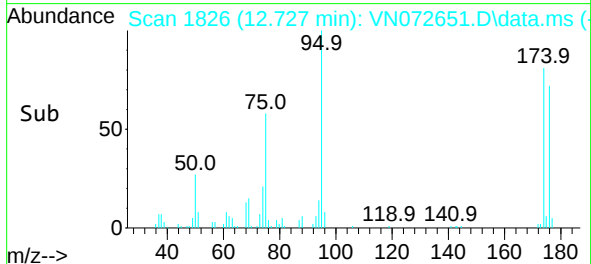
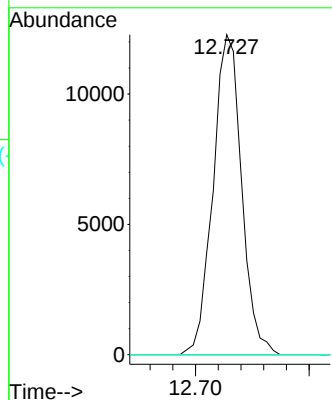
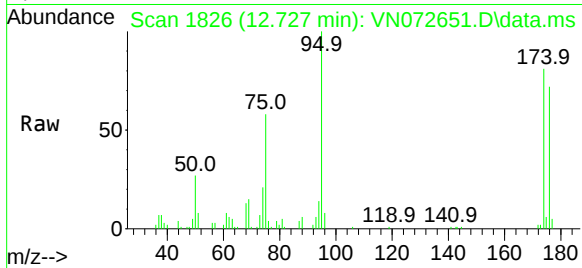




#77
t-1,4-Dichloro-2-butene
Concen: 30.297 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

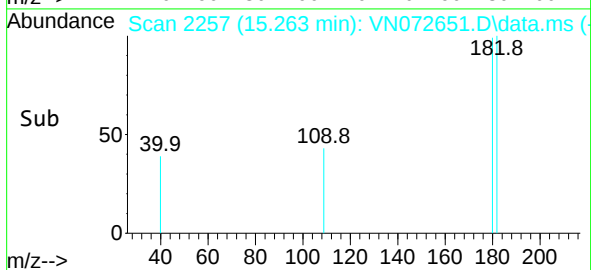
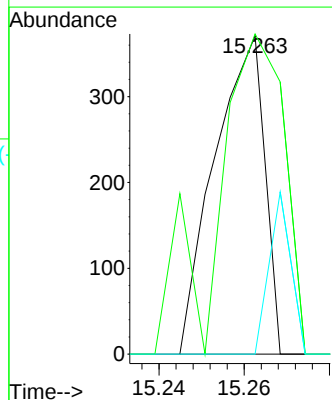
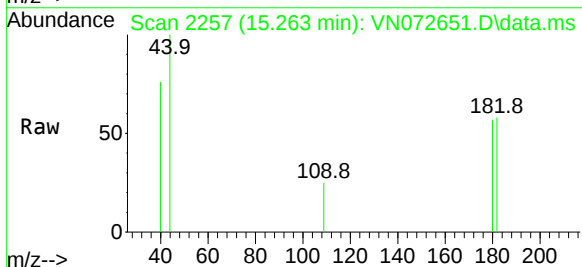
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

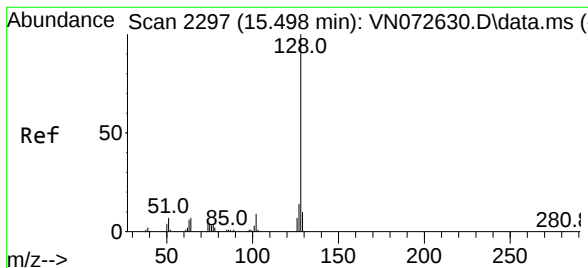
Tgt Ion: 75 Resp: 21442
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN072651.D
Acq: 31 May 2022 13:53

Tgt Ion: 180 Resp: 302
Ion Ratio Lower Upper
180 100
182 114.9 77.7 116.5
145 0.0 26.6 39.8#





#91

Naphthalene

Concen: 1.076 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN072651.D

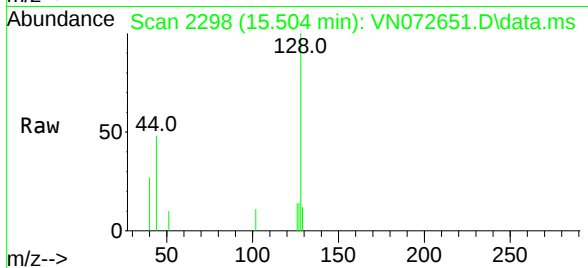
Acq: 31 May 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

DSN-001-SEWER-OUTLET-001



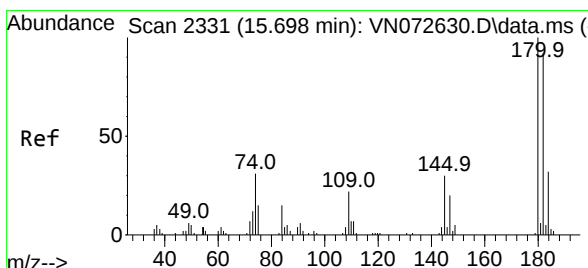
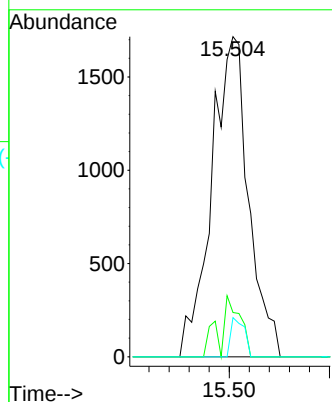
Tgt Ion:128 Resp: 4386

Ion Ratio Lower Upper

128 100

127 7.8 10.7 16.1#

129 4.4 9.0 13.6#



#92

1,2,3-Trichlorobenzene

Concen: 0.492 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.000 min

Lab File: VN072651.D

Acq: 31 May 2022 13:53

Tgt Ion:180 Resp: 583

Ion Ratio Lower Upper

180 100

182 53.5 0.0 190.0

145 12.5 0.0 67.8

