

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072641.D
 Acq On : 26 May 2022 20:41
 Operator : JC\MD
 Sample : N3029-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 27 05:35:28 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)

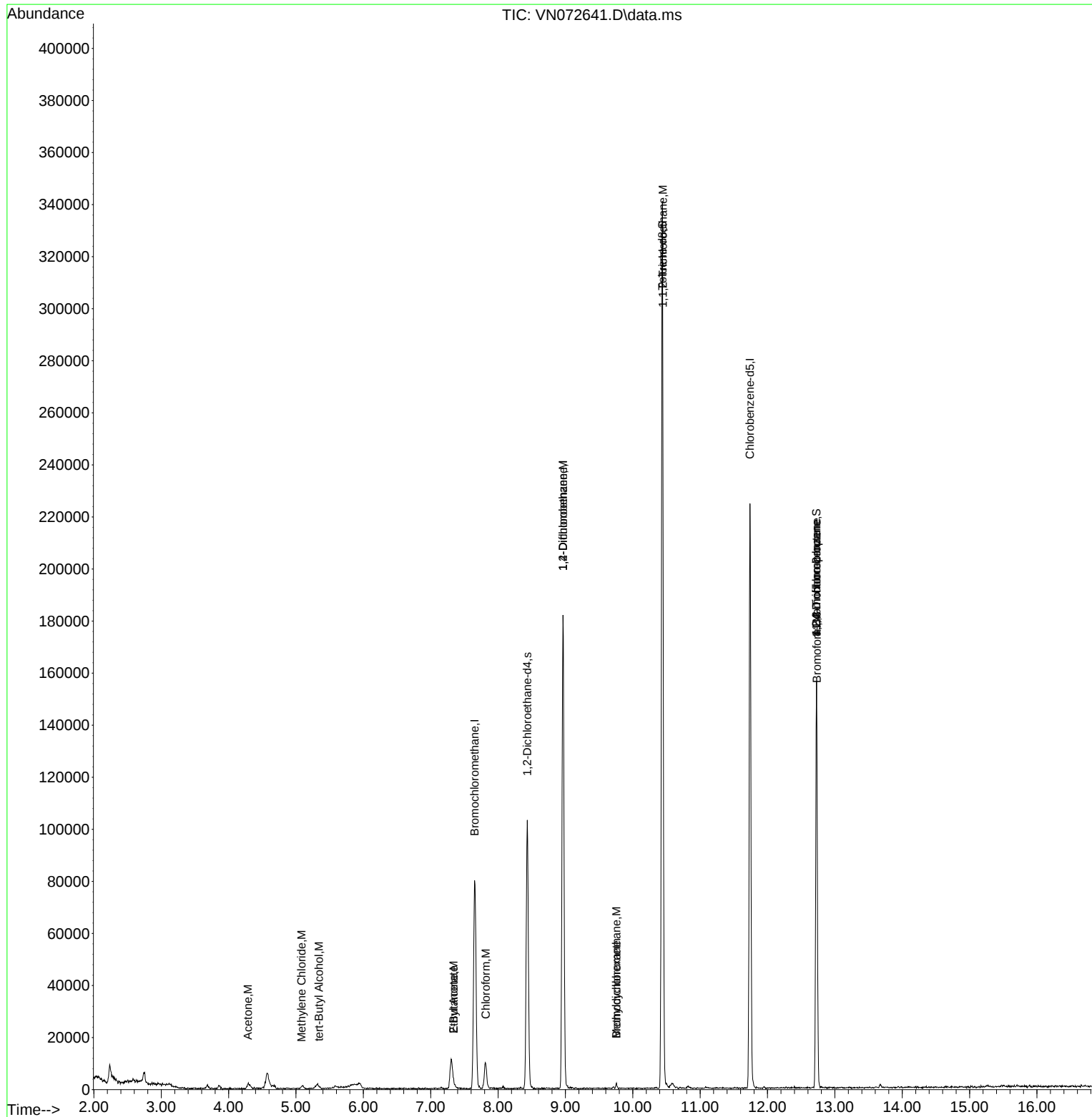
Internal Standards						
1) Bromochloromethane	7.651	128	29939	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	159478	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	135349	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	83482	29.141	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.133%		
60) 4-Bromofluorobenzene	12.727	95	57279	24.097	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	80.333%		
63) Toluene-d8	10.439	98	235440	30.593	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.967%		
Target Compounds						
					Qvalue	
15) Acetone	4.287	58	963	2.454	ug/l #	47
18) Methylene Chloride	5.081	84	700	0.295	ug/l #	47
23) tert-Butyl Alcohol	5.340	59	236	0.461	ug/l #	100
25) Chloroform	7.816	83	8890	2.002	ug/l	92
30) 2-Butanone	7.339	43	1474	0.726	ug/l #	79
36) 1,2-Dichloroethane	8.963	62	5275	1.712	ug/l #	77
38) Methylcyclohexane	9.757	83	1279	0.343	ug/l #	21
41) Bromodichloromethane	9.757	83	1279	0.398	ug/l #	85
43) Ethyl Acetate	7.339	43	1474	0.378	ug/l #	67
50) 1,1,2-Trichloroethane	10.445	97	8055	3.418	ug/l #	1
56) Bromoform	12.733	173	537	0.307	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	27037	9.637	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	27037	24.662	ug/l #	8

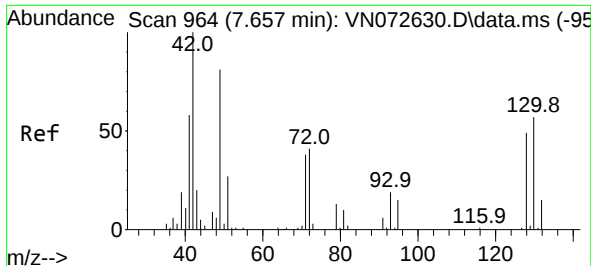
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
Data File : VN072641.D
Acq On : 26 May 2022 20:41
Operator : JC\MD
Sample : N3029-01 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 27 05:35:28 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

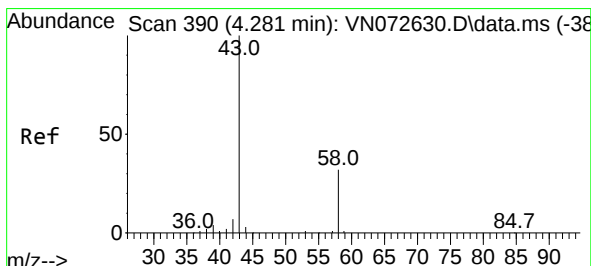
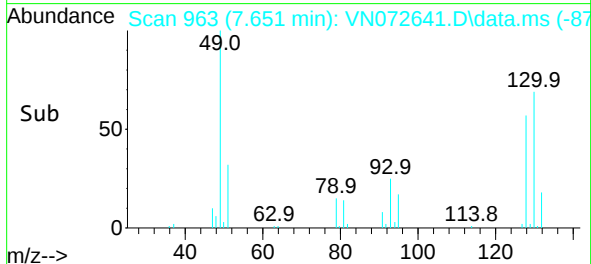
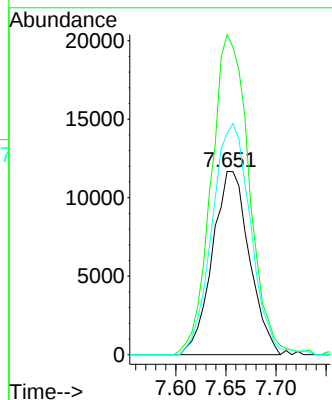
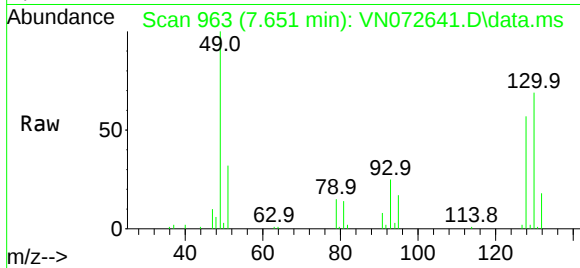




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

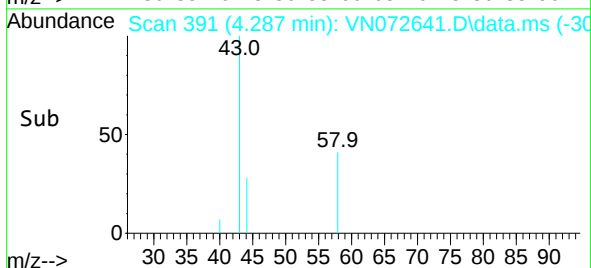
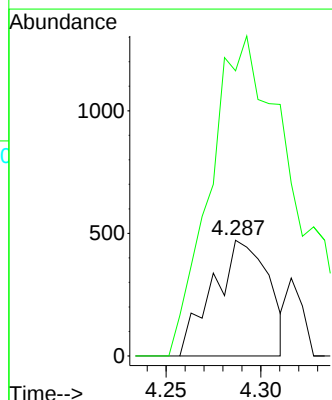
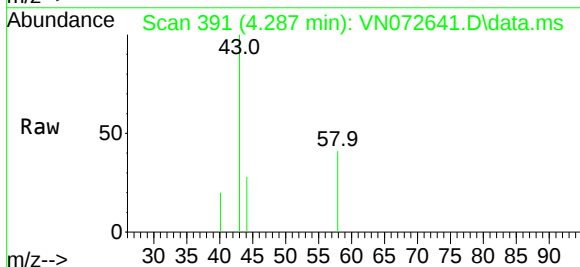
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

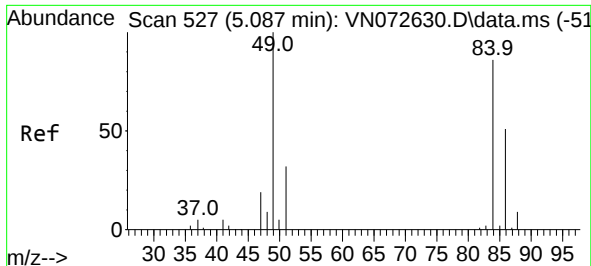
Tgt Ion:128 Resp: 29939
Ion Ratio Lower Upper
128 100
49 178.6 0.0 392.3
130 131.1 0.0 320.2



#15
Acetone
Concen: 2.454 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

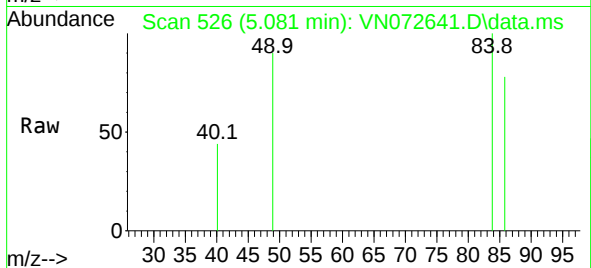
Tgt Ion: 58 Resp: 963
Ion Ratio Lower Upper
58 100
43 211.2 256.6 384.8#



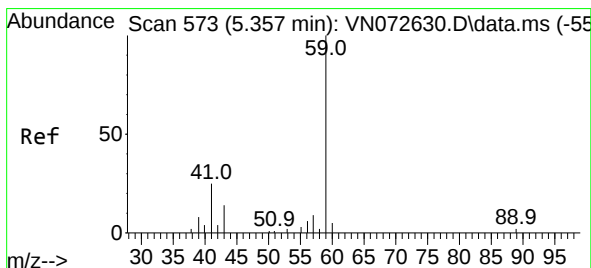
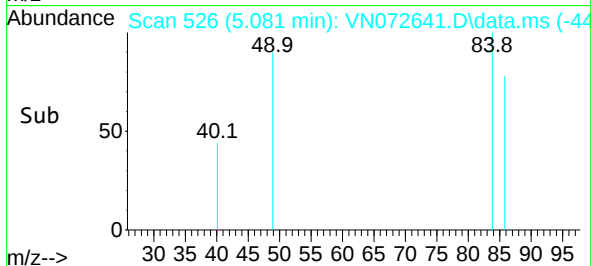
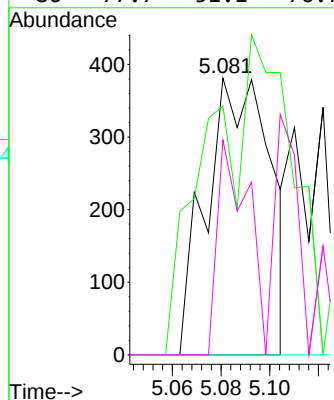


#18
Methylene Chloride
Concen: 0.295 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

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

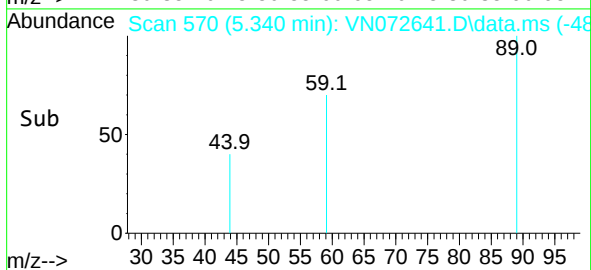
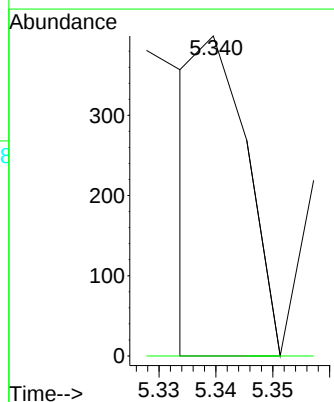
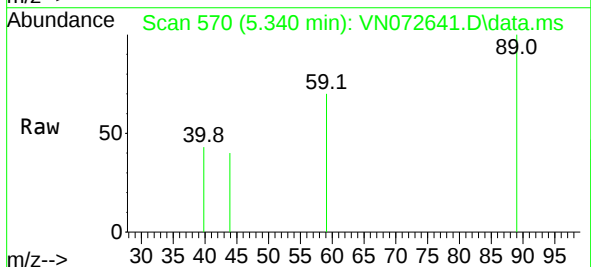


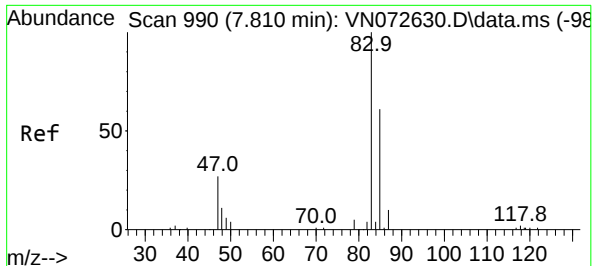
Tgt Ion:	84	Resp:	700
Ion	Ratio	Lower	Upper
84	100		
49	38.1	91.4	137.0#
51	0.0	29.4	44.0#
86	77.7	51.1	76.7#



#23
tert-Butyl Alcohol
Concen: 0.461 ug/l
RT: 5.340 min Scan# 570
Delta R.T. -0.018 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

Tgt Ion:	59	Resp:	236
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#25

Chloroform

Concen: 2.002 ug/l

RT: 7.816 min Scan# 990

Delta R.T. 0.006 min

Lab File: VN072641.D

Acq: 26 May 2022 20:41

Instrument :

MSVOA_N

ClientSampleId :

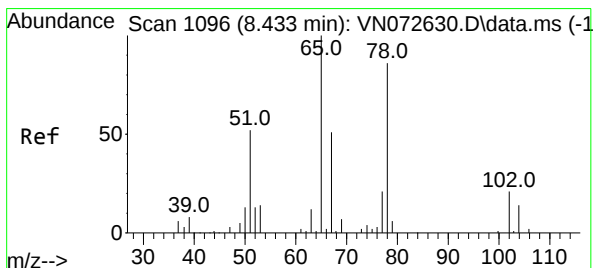
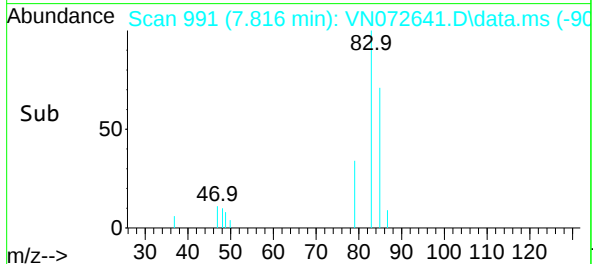
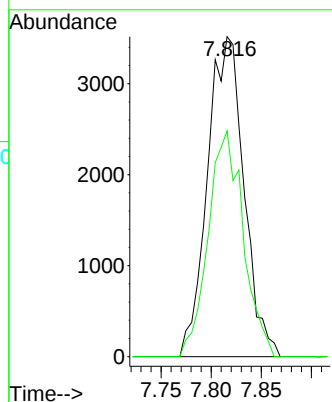
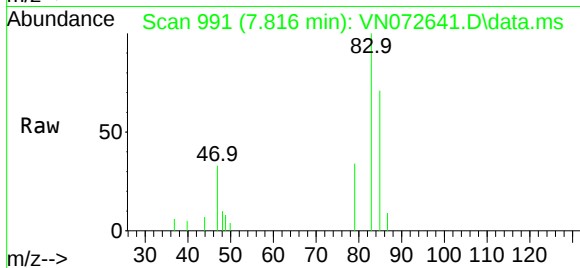
DSN-001-SEWER-OUTLET-001

Tgt Ion: 83 Resp: 8890

Ion Ratio Lower Upper

83 100

85 70.5 51.3 76.9



#27

1,2-Dichloroethane-d4

Concen: 29.141 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072641.D

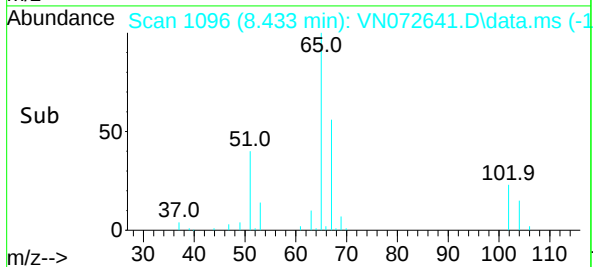
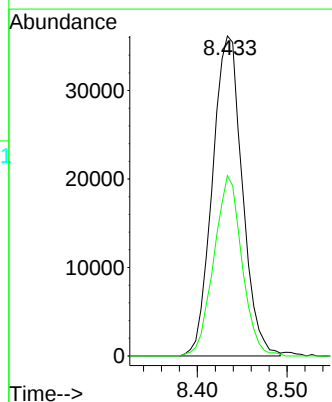
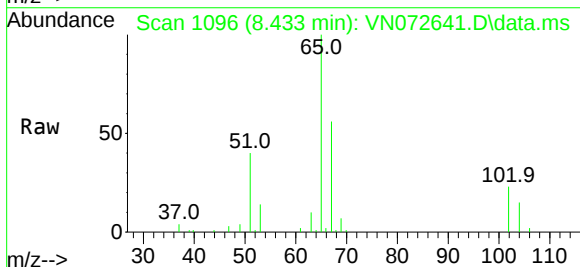
Acq: 26 May 2022 20:41

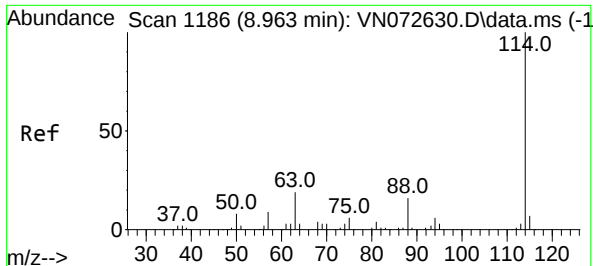
Tgt Ion: 65 Resp: 83482

Ion Ratio Lower Upper

65 100

67 52.9 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: VN072641.D

Acq: 26 May 2022 20:41

Instrument :

MSVOA_N

ClientSampleId :

DSN-001-SEWER-OUTLET-001

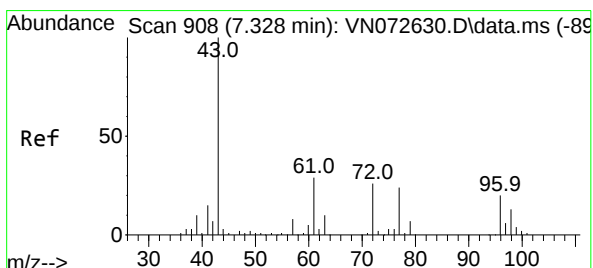
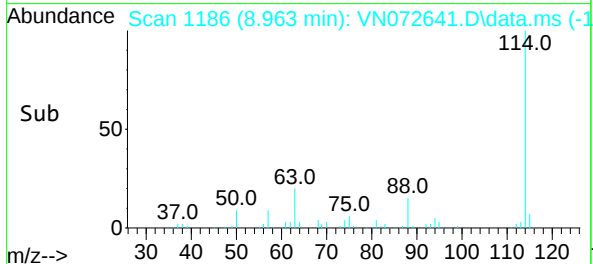
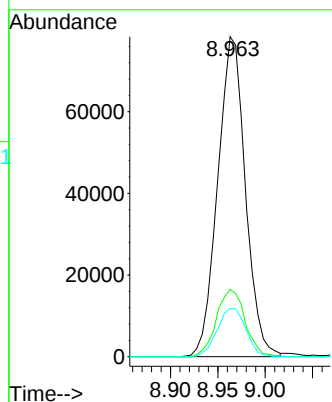
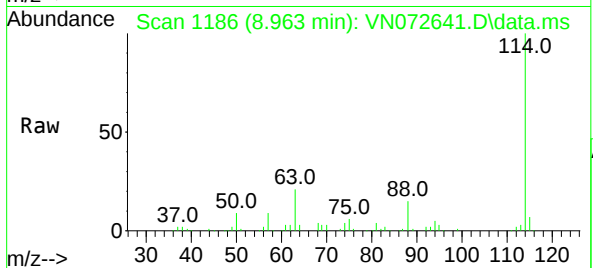
Tgt Ion:114 Resp: 159478

Ion Ratio Lower Upper

114 100

63 21.7 15.8 23.6

88 15.6 11.6 17.4



#30

2-Butanone

Concen: 0.726 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN072641.D

Acq: 26 May 2022 20:41

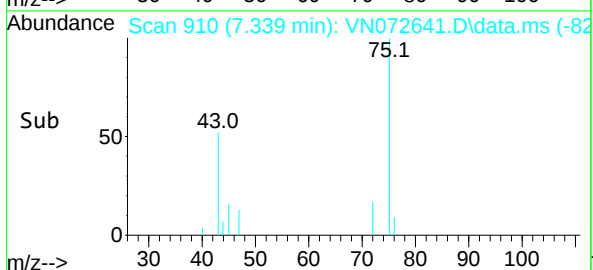
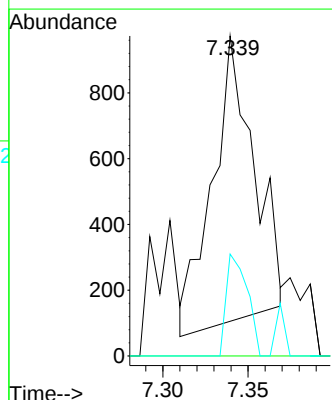
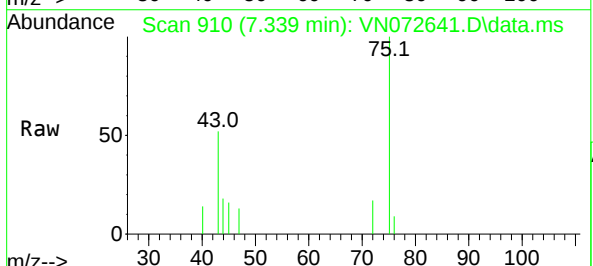
Tgt Ion: 43 Resp: 1474

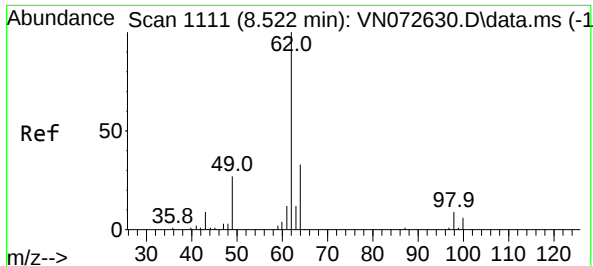
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 18.0 23.2 34.8#





#36

1,2-Dichloroethane

Concen: 1.712 ug/l

RT: 8.963 min Scan# 1111

Delta R.T. 0.441 min

Lab File: VN072641.D

Acq: 26 May 2022 20:41

Instrument :

MSVOA_N

ClientSampleId :

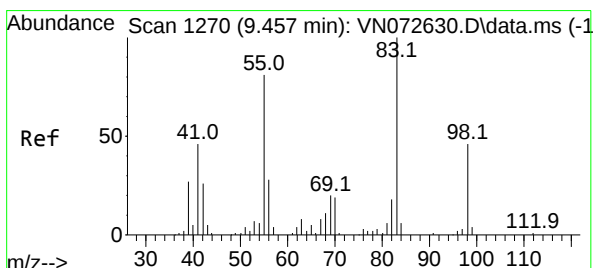
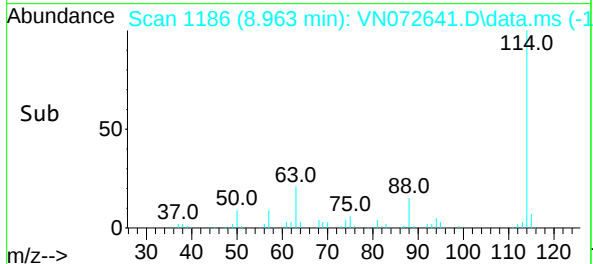
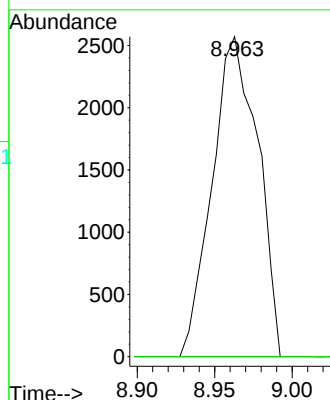
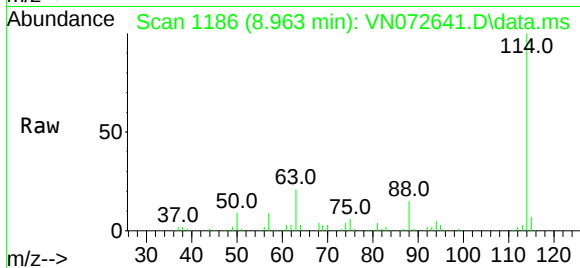
DSN-001-SEWER-OUTLET-001

Tgt Ion: 62 Resp: 5275

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#38

Methylcyclohexane

Concen: 0.343 ug/l

RT: 9.757 min Scan# 1321

Delta R.T. 0.300 min

Lab File: VN072641.D

Acq: 26 May 2022 20:41

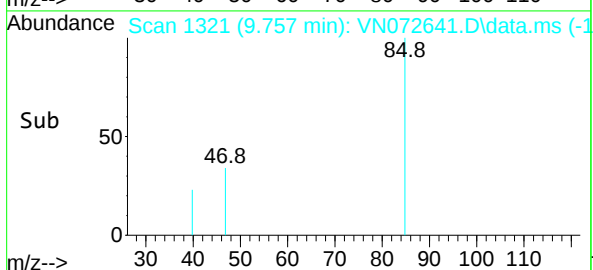
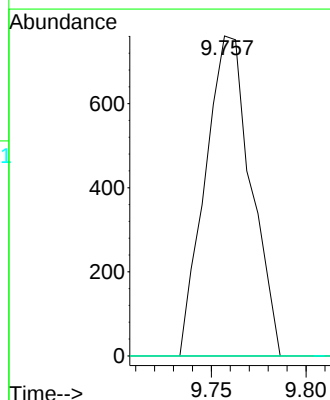
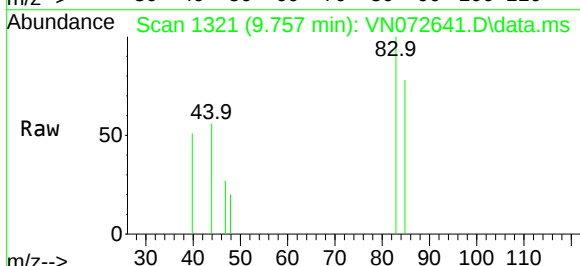
Tgt Ion: 83 Resp: 1279

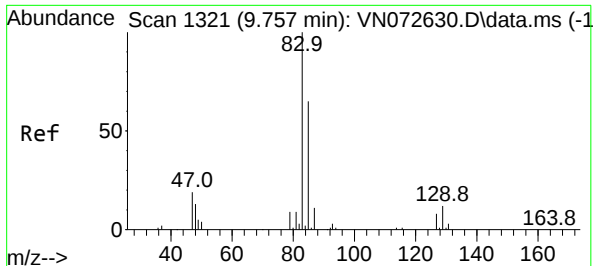
Ion Ratio Lower Upper

83 100

55 0.0 35.1 105.3#

98 0.0 23.4 70.2#

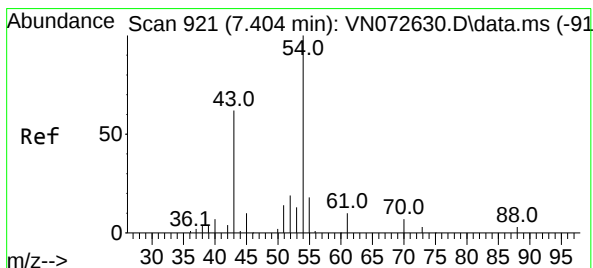
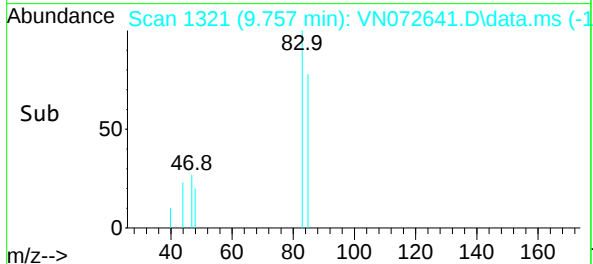
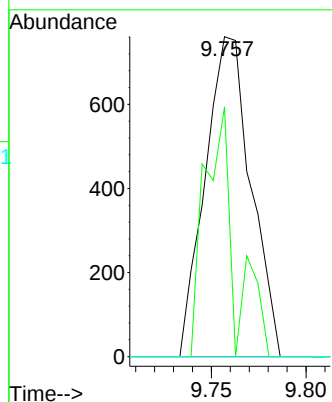
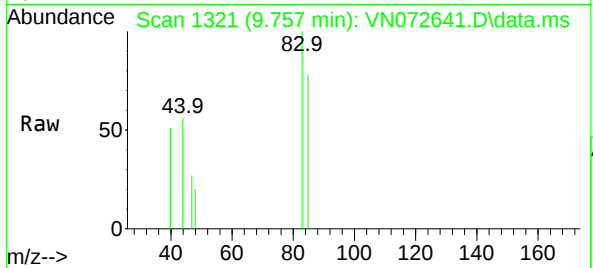




#41
Bromodichloromethane
Concen: 0.398 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

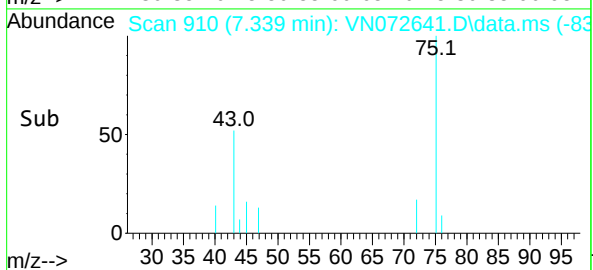
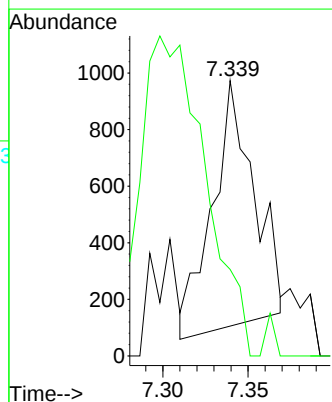
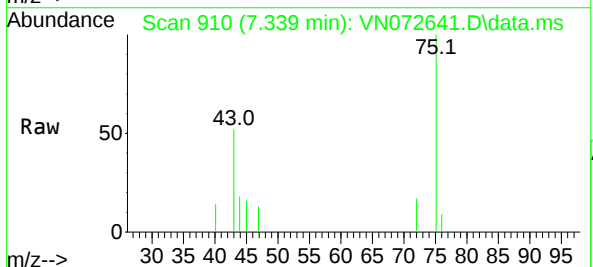
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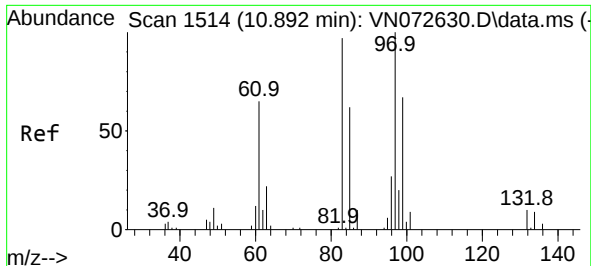
Tgt Ion: 83 Resp: 1279
Ion Ratio Lower Upper
83 100
85 78.1 54.1 81.1
127 0.0 7.6 11.4#



#43
Ethyl Acetate
Concen: 0.378 ug/l
RT: 7.339 min Scan# 910
Delta R.T. -0.065 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

Tgt Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
45 0.0 10.6 16.0#

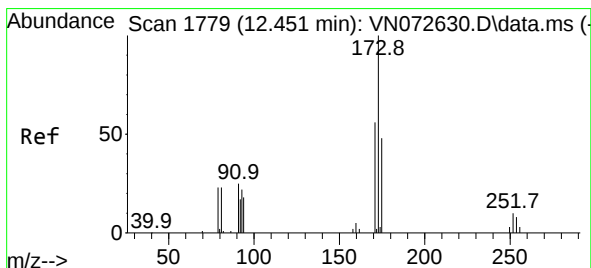
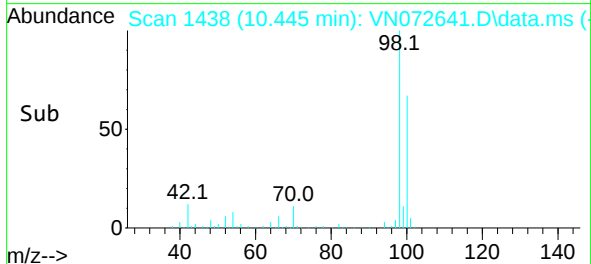
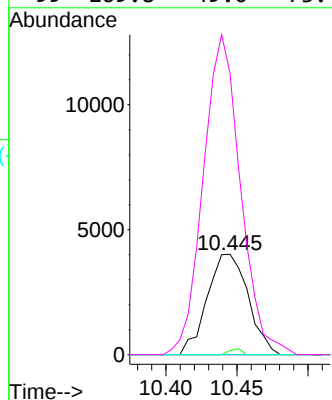
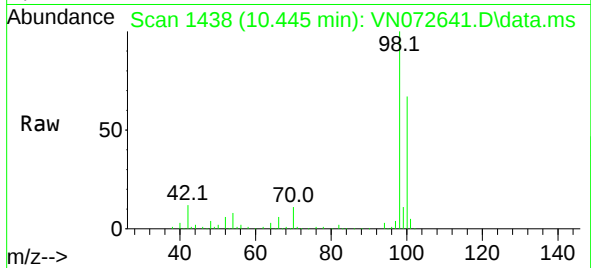




#50
1,1,2-Trichloroethane
Concen: 3.418 ug/l
RT: 10.445 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

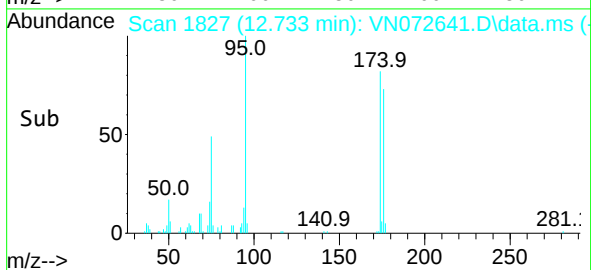
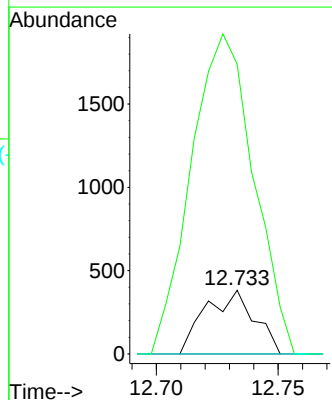
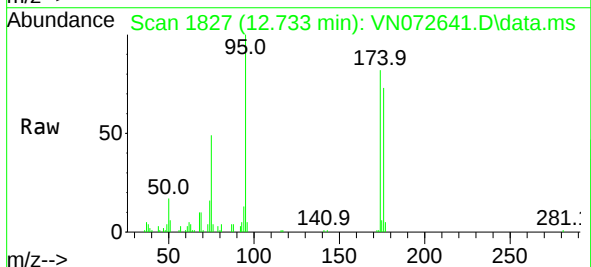
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

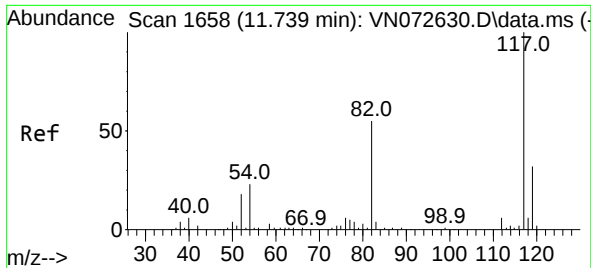
Tgt Ion: 97 Resp: 8055
Ion Ratio Lower Upper
97 100
83 4.1 67.2 100.8#
85 0.0 43.0 64.4#
99 269.8 49.0 73.4#



#56
Bromoform
Concen: 0.307 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.282 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

Tgt Ion:173 Resp: 537
Ion Ratio Lower Upper
173 100
175 639.1 38.6 58.0#
254 0.0 0.0 0.0

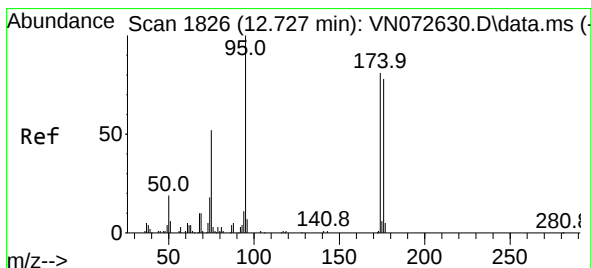
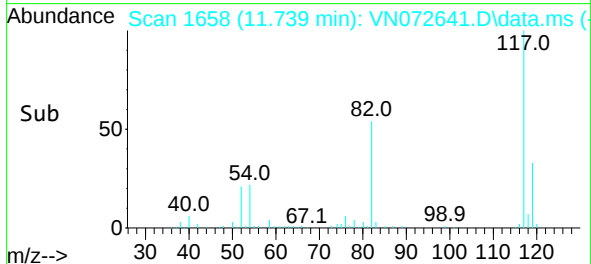
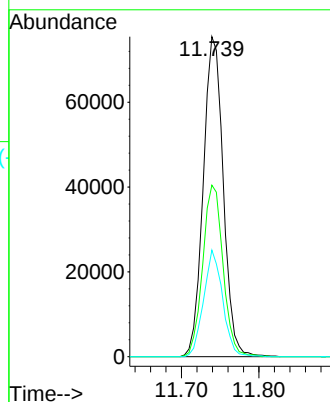
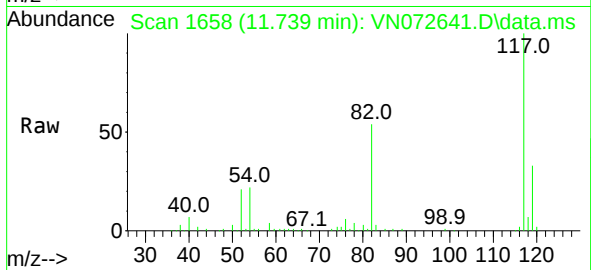




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

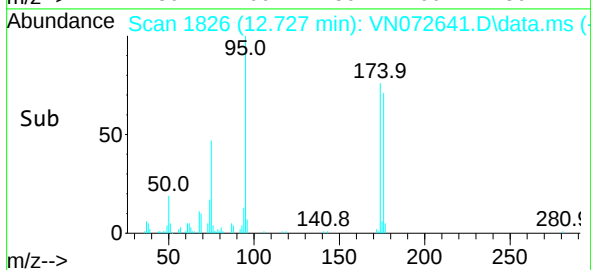
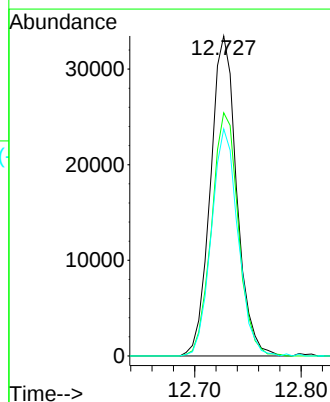
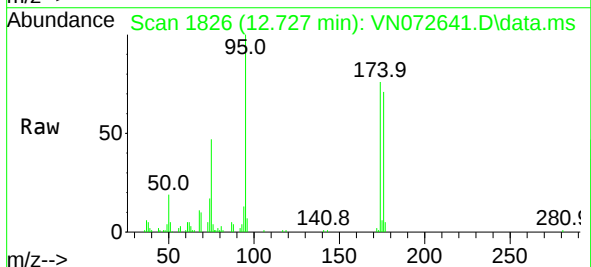
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001

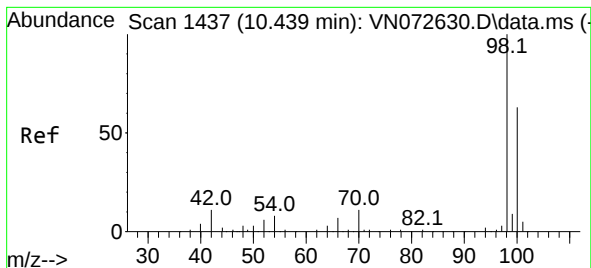
Tgt Ion:117 Resp: 135349
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.6 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 24.097 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072641.D
Acq: 26 May 2022 20:41

Tgt Ion: 95 Resp: 57279
Ion Ratio Lower Upper
95 100
174 77.2 62.9 94.3
176 71.7 61.0 91.4





#63

Toluene-d8

Concen: 30.593 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072641.D

Acq: 26 May 2022 20:41

Instrument :

MSVOA_N

ClientSampleId :

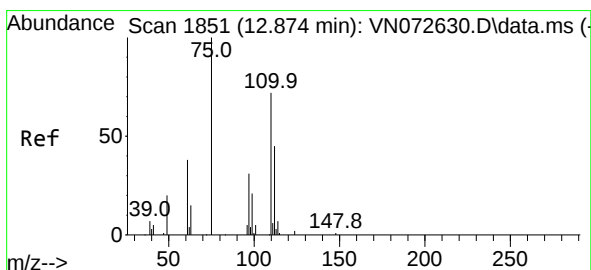
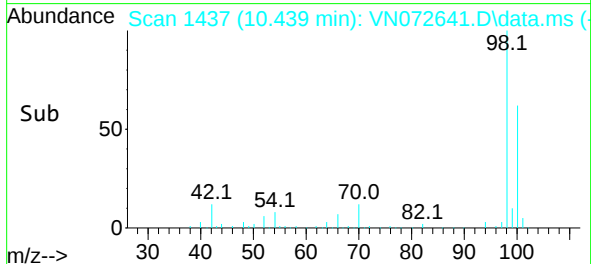
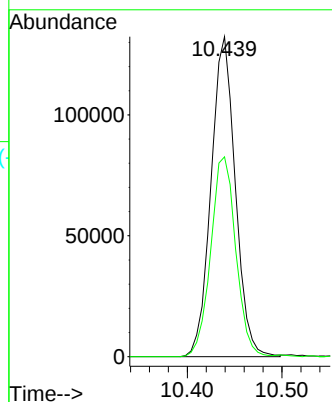
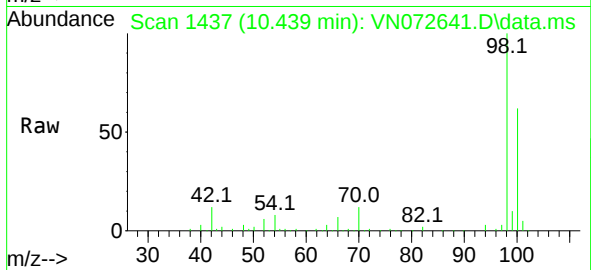
DSN-001-SEWER-OUTLET-001

Tgt Ion: 98 Resp: 235440

Ion Ratio Lower Upper

98 100

100 64.5 50.6 76.0



#72

1,2,3-Trichloropropane

Concen: 9.637 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072641.D

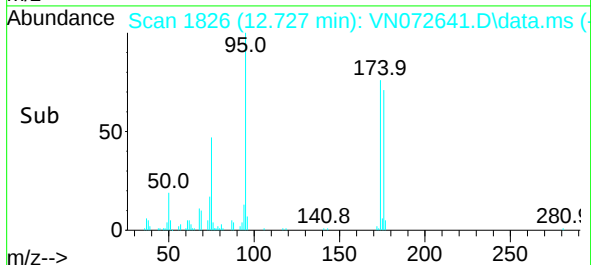
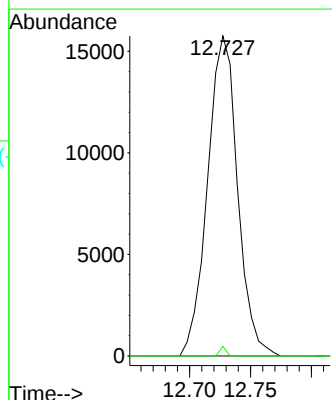
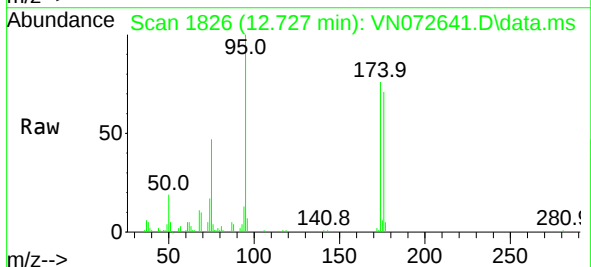
Acq: 26 May 2022 20:41

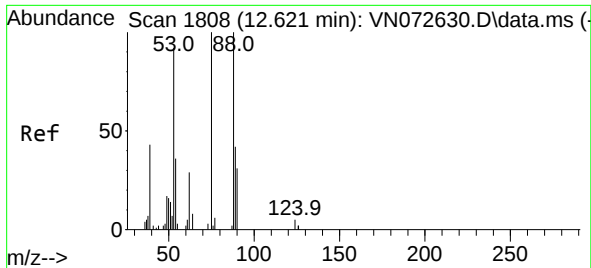
Tgt Ion: 75 Resp: 27037

Ion Ratio Lower Upper

75 100

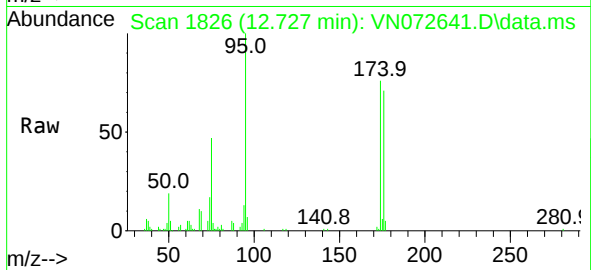
77 0.0 0.0 378.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 24.662 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072641.D
 Acq: 26 May 2022 20:41

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



Tgt Ion: 75 Resp: 27037
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.5#
 89 0.0 22.9 68.7#

