

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053122\
 Data File : VN072653.D
 Acq On : 31 May 2022 15:28
 Operator : JC\MD
 Sample : N3029-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN-002-SEWER-OUTLET-002

Quant Time: Jun 01 02:41:00 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)

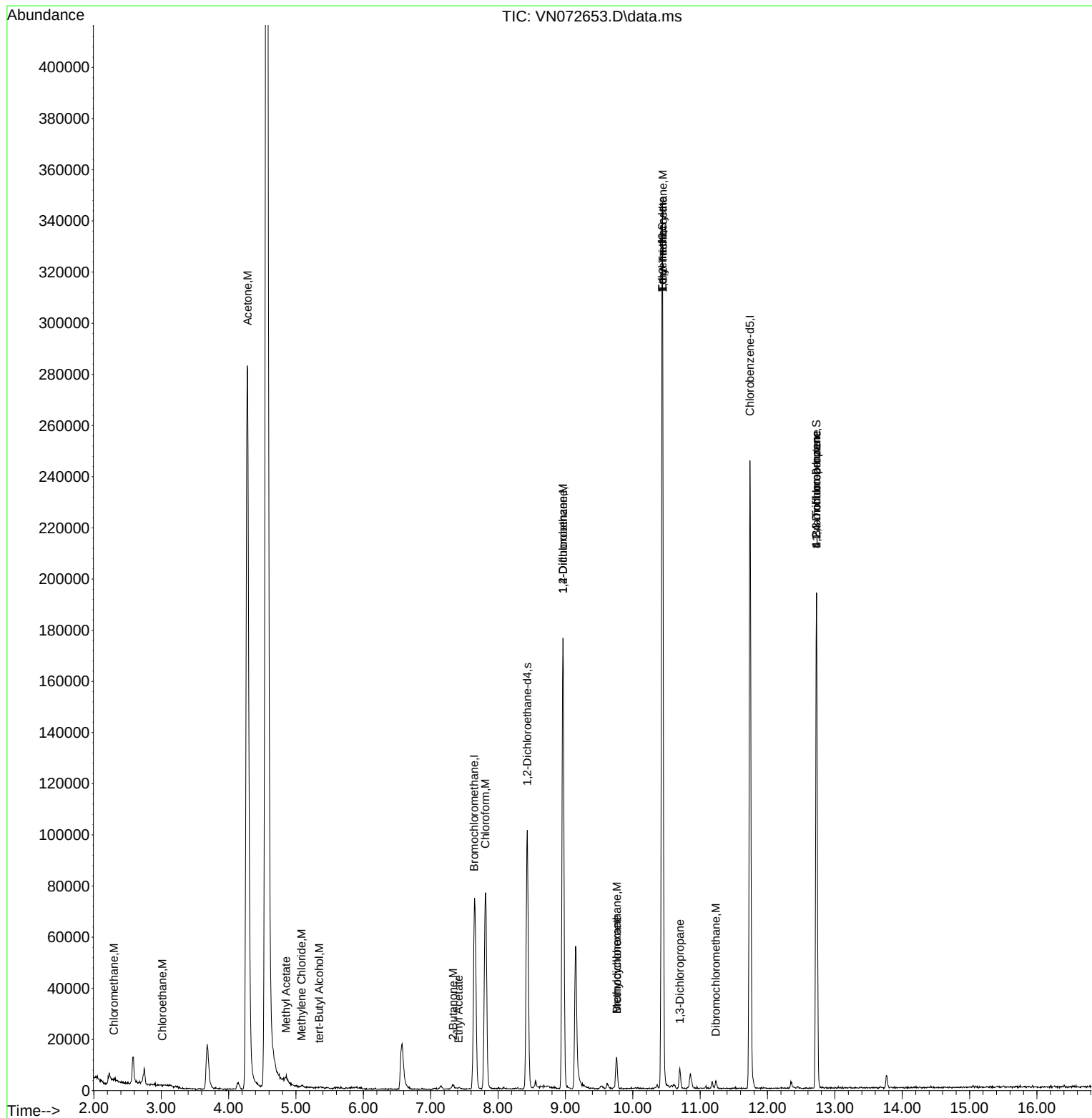
Internal Standards						
1) Bromochloromethane	7.645	128	12566	30.000	ug/l	#-0.01
28) 1,4-Difluorobenzene	8.963	114	153704	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	143016	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	81768	68.003	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	226.667%#
60) 4-Bromofluorobenzene	12.727	95	65742	26.175	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.267%
63) Toluene-d8	10.439	98	239057	29.398	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	443	0.385	ug/l #	40
6) Chloroethane	3.016	64	232	0.385	ug/l #	44
12) Methyl Acetate	4.851	43	4154	2.797	ug/l #	63
15) Acetone	4.281	58	155672	945.311	ug/l	89
18) Methylene Chloride	5.081	84	236	0.237	ug/l #	47
23) tert-Butyl Alcohol	5.346	59	215	1.001	ug/l #	100
25) Chloroform	7.810	83	78848	42.296	ug/l	100
30) 2-Butanone	7.334	43	2964	1.514	ug/l #	66
36) 1,2-Dichloroethane	8.963	62	5691	1.917	ug/l #	77
38) Methylcyclohexane	9.763	83	9403	2.619	ug/l #	21
41) Bromodichloromethane	9.763	83	9403	3.036	ug/l	86
43) Ethyl Acetate	7.416	43	1123	0.299	ug/l #	67
50) 1,1,2-Trichloroethane	10.445	97	7374	3.246	ug/l #	1
51) Ethyl methacrylate	10.439	69	807	0.211	ug/l #	67
52) 1,3-Dichloropropane	10.698	76	1457	0.364	ug/l #	42
53) Dibromochloromethane	11.233	129	1648	0.706	ug/l	88
72) 1,2,3-Trichloropropane	12.727	75	35282	11.902	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	35282	30.458	ug/l #	8

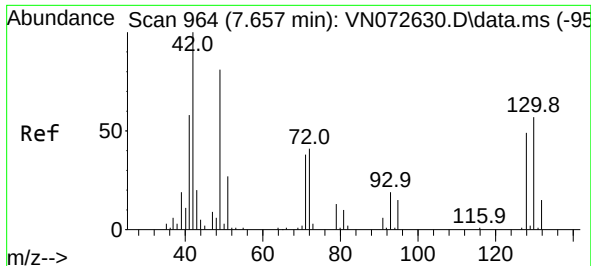
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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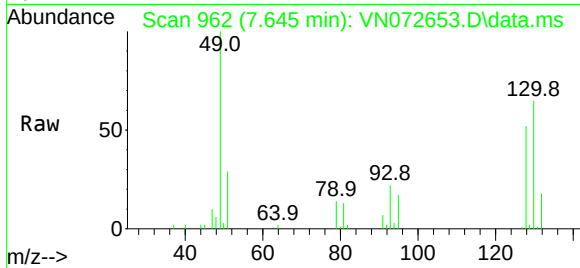
Quant Time: Jun 01 02:41:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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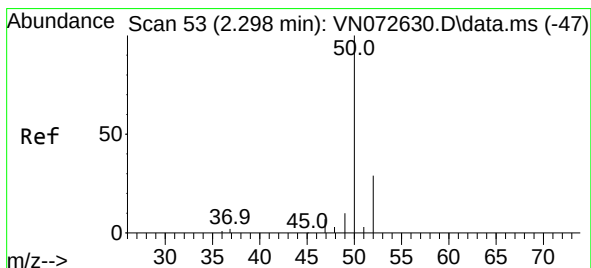
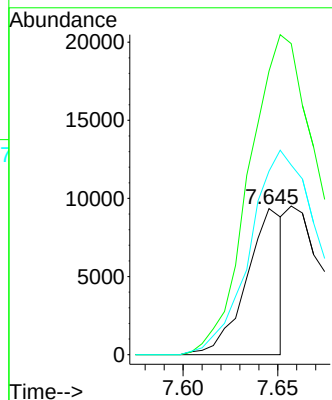
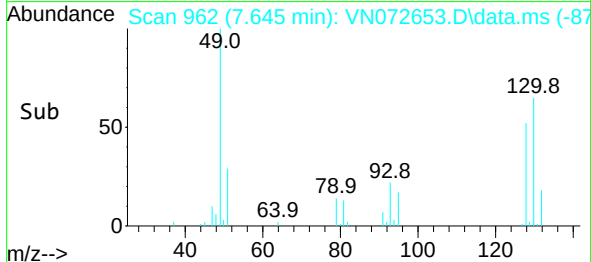


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.645 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

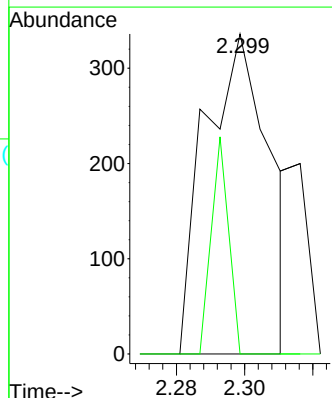
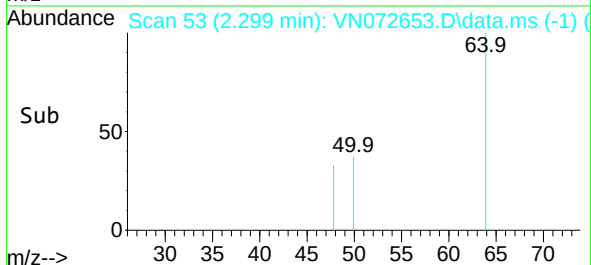
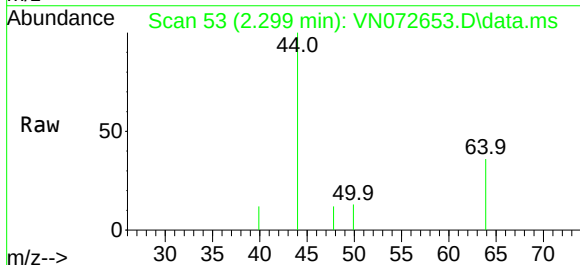


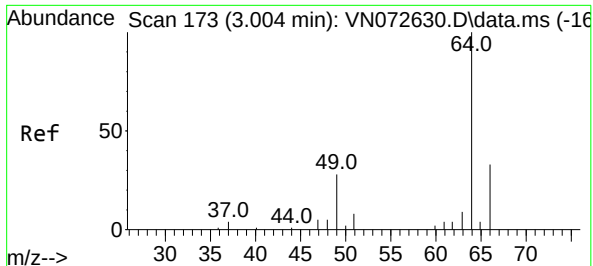
Tgt Ion:128 Resp: 12566
Ion Ratio Lower Upper
128 100
49 414.3 0.0 392.3#
130 267.3 0.0 320.2



#3
Chloromethane
Concen: 0.385 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

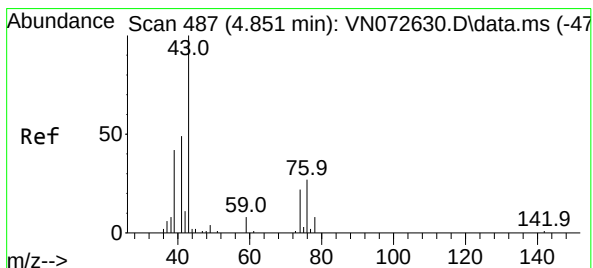
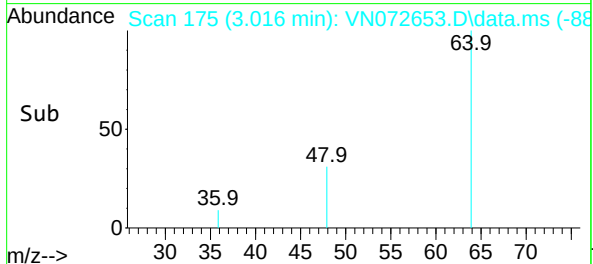
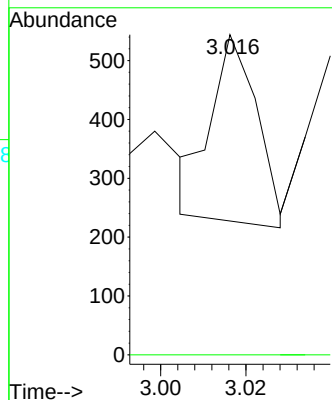
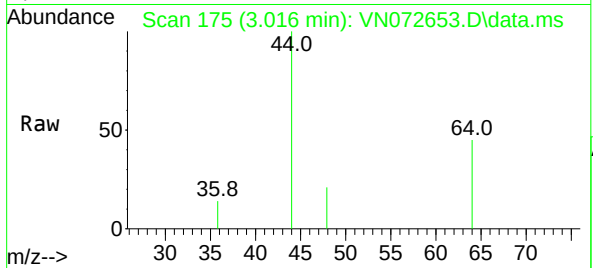




#6
Chloroethane
Concen: 0.385 ug/l
RT: 3.016 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

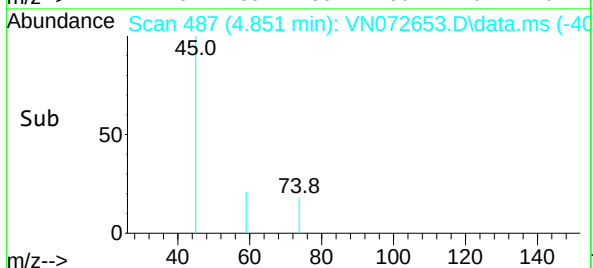
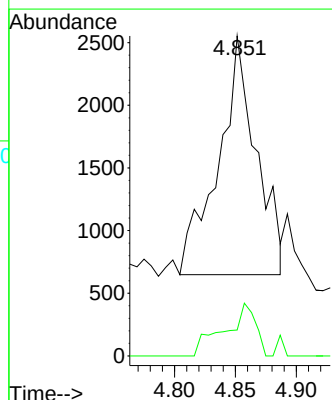
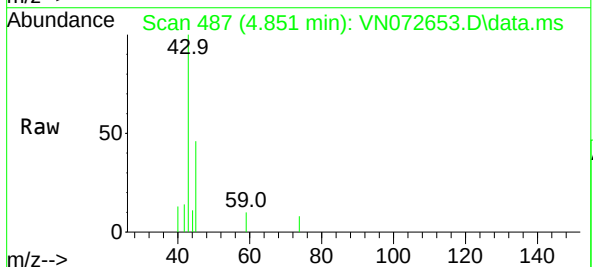
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

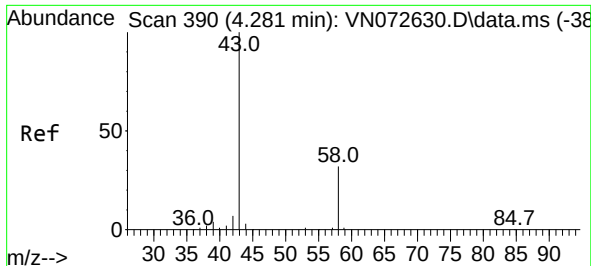
Tgt Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#12
Methyl Acetate
Concen: 2.797 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 43 Resp: 4154
Ion Ratio Lower Upper
43 100
74 7.0 20.8 31.2#





#15

Acetone

Concen: 945.311 ug/l

RT: 4.281 min Scan# 390

Delta R.T. 0.000 min

Lab File: VN072653.D

Acq: 31 May 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

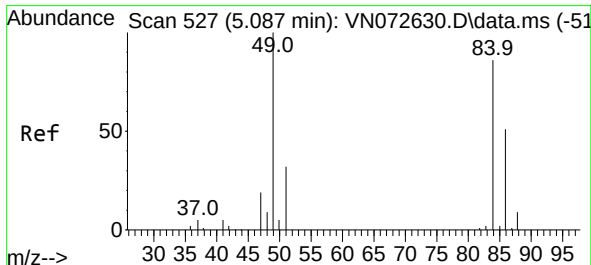
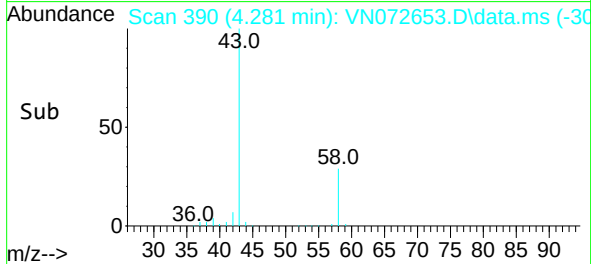
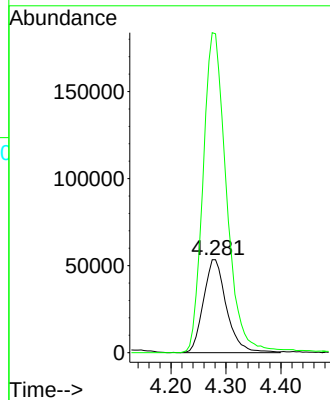
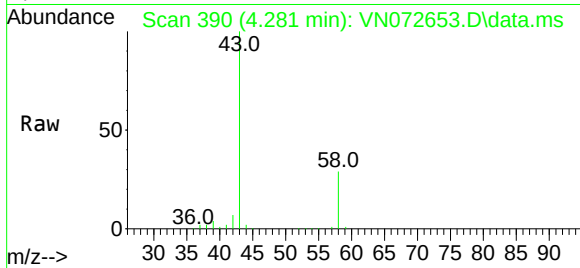
DSN-002-SEWER-OUTLET-002

Tgt Ion: 58 Resp: 155672

Ion Ratio Lower Upper

58 100

43 343.0 256.6 384.8



#18

Methylene Chloride

Concen: 0.237 ug/l

RT: 5.081 min Scan# 526

Delta R.T. -0.006 min

Lab File: VN072653.D

Acq: 31 May 2022 15:28

Tgt Ion: 84 Resp: 236

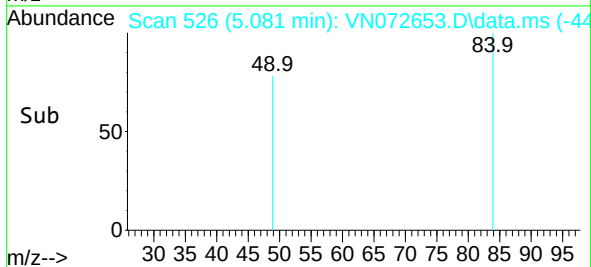
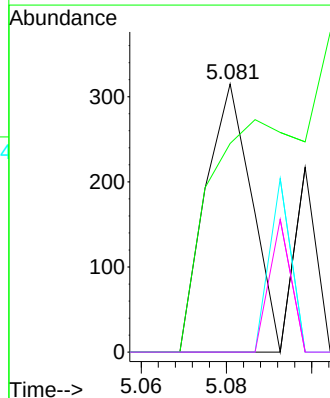
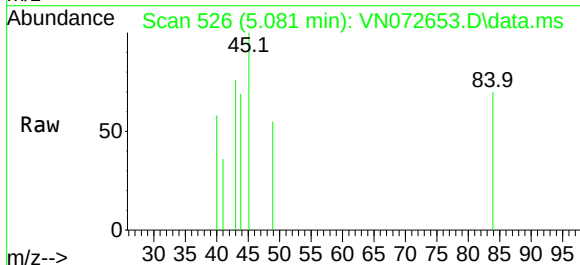
Ion Ratio Lower Upper

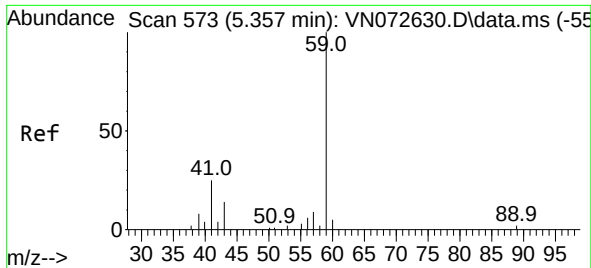
84 100

49 77.8 91.4 137.0#

51 0.0 29.4 44.0#

86 0.0 51.1 76.7#

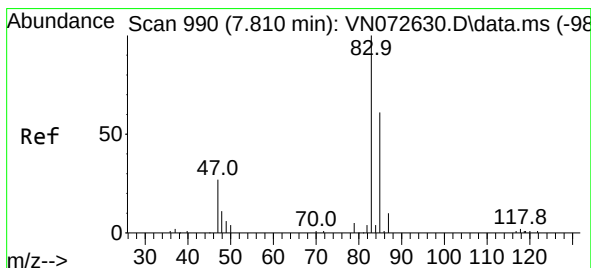
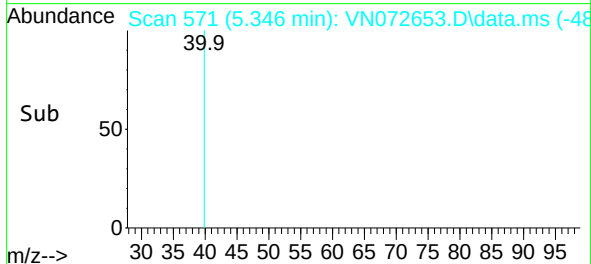
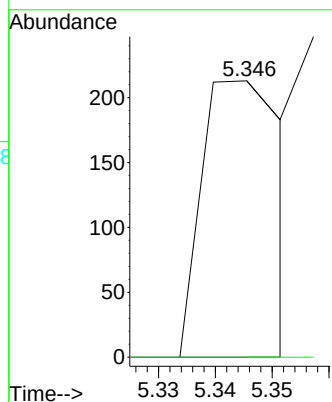
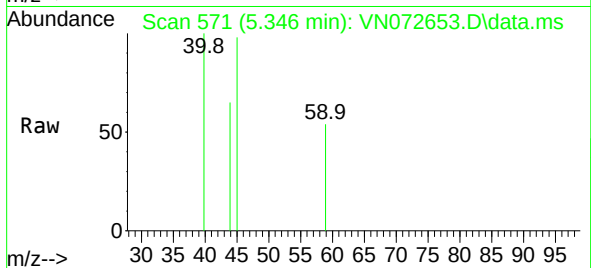




#23
tert-Butyl Alcohol
Concen: 1.001 ug/l
RT: 5.346 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

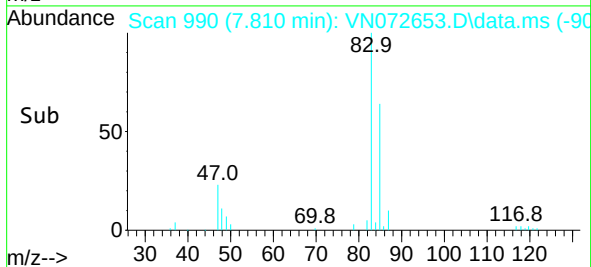
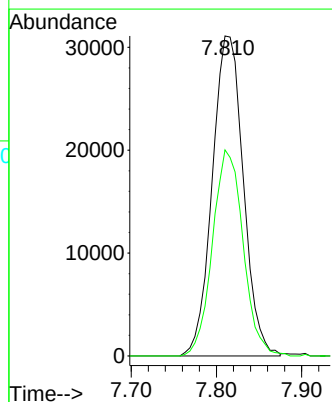
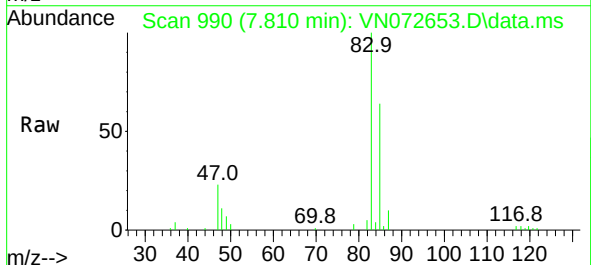
Instrument :
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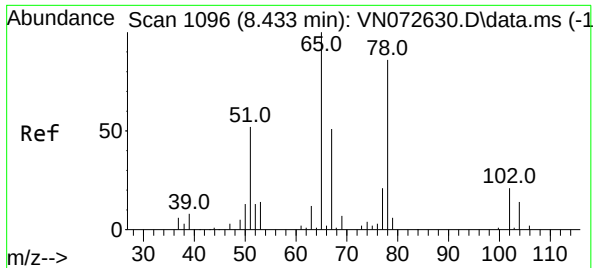
Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 42.296 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 83 Resp: 78848
Ion Ratio Lower Upper
83 100
85 64.4 51.3 76.9

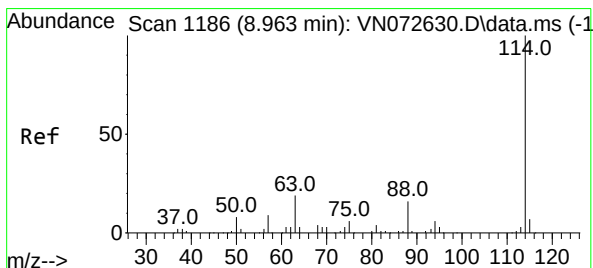
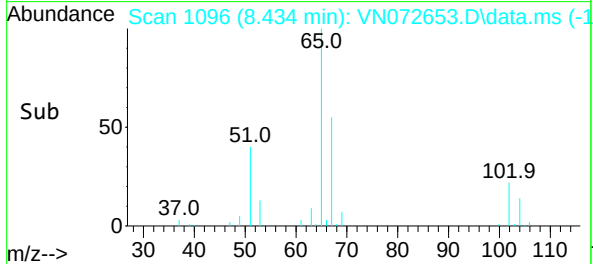
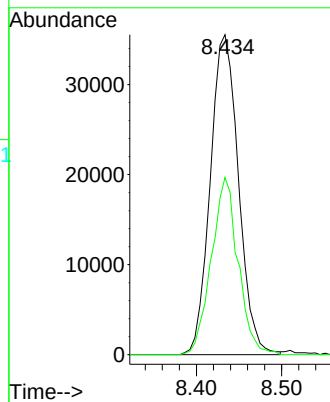
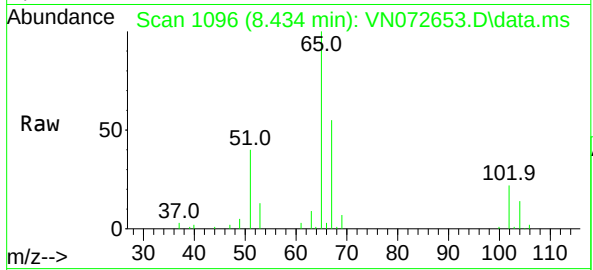




#27
1,2-Dichloroethane-d4
Concen: 68.003 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

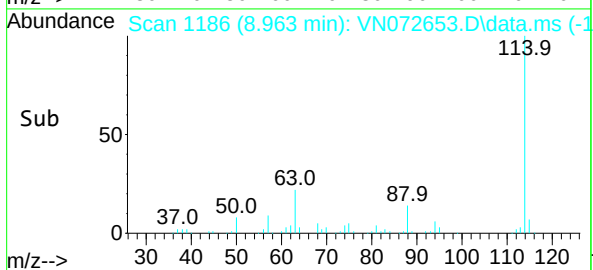
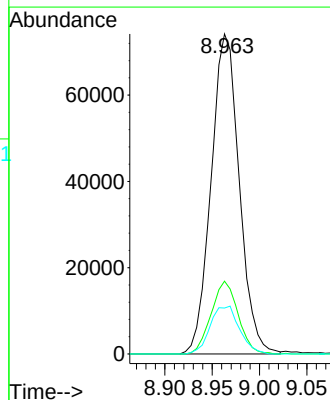
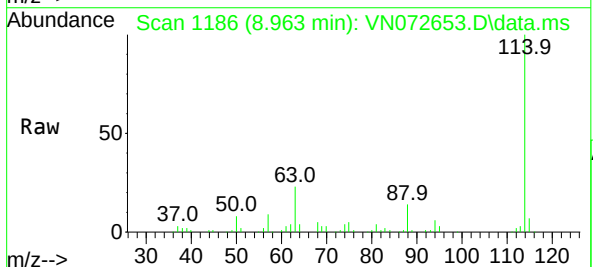
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ClientSampleId :
DSN-002-SEWER-OUTLET-002

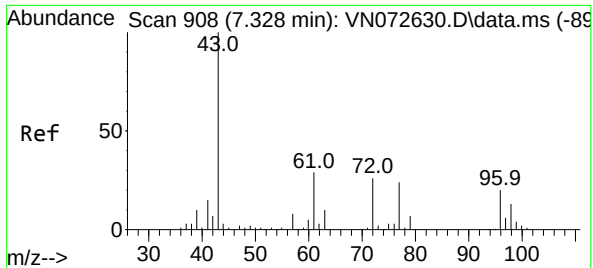
Tgt Ion: 65 Resp: 81768
Ion Ratio Lower Upper
65 100
67 52.5 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 114 Resp: 153704
Ion Ratio Lower Upper
114 100
63 21.7 15.8 23.6
88 15.5 11.6 17.4

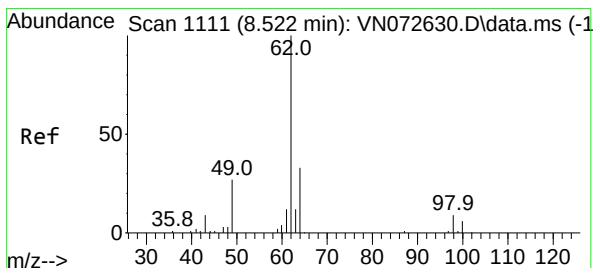
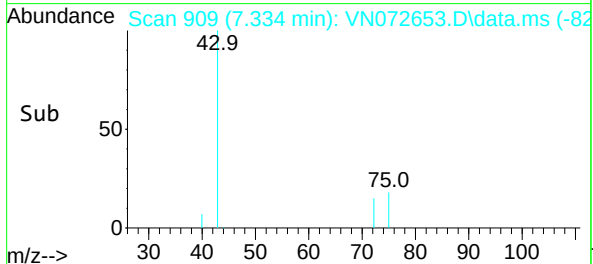
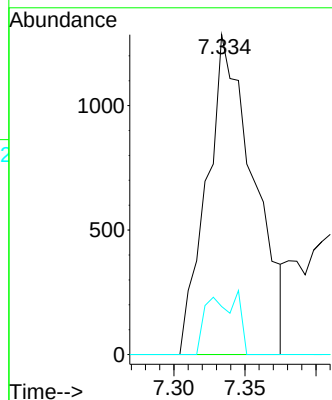
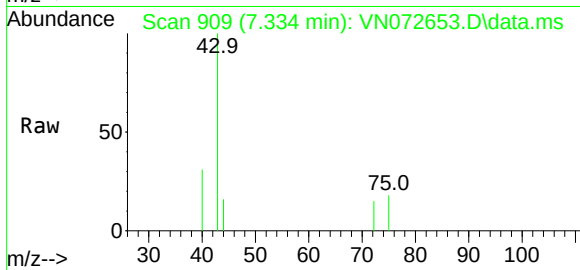




#30
2-Butanone
Concen: 1.514 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

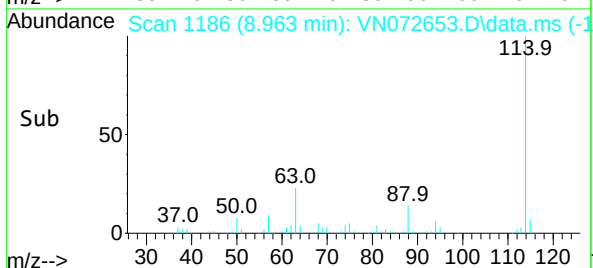
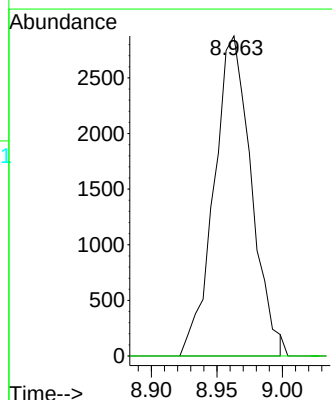
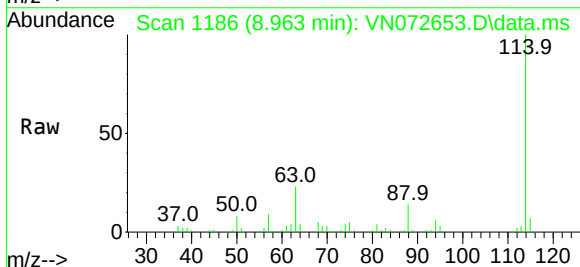
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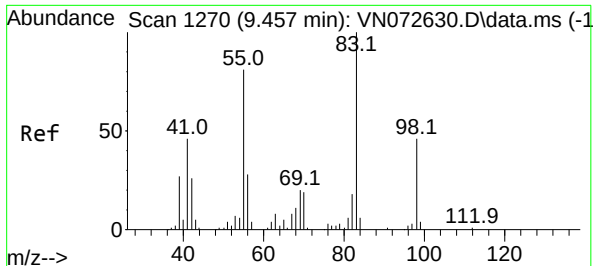
Tgt Ion: 43 Resp: 2964
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 9.3 23.2 34.8#



#36
1,2-Dichloroethane
Concen: 1.917 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.441 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 62 Resp: 5691
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

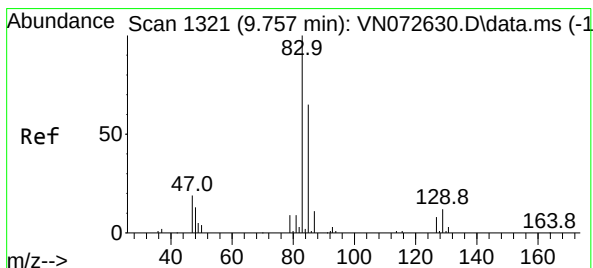
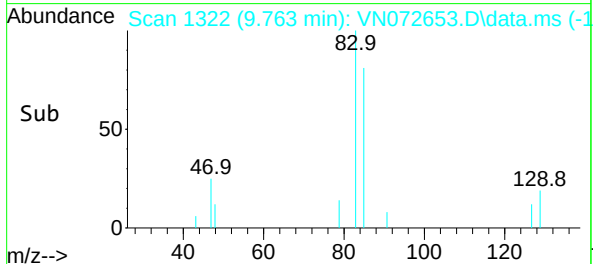
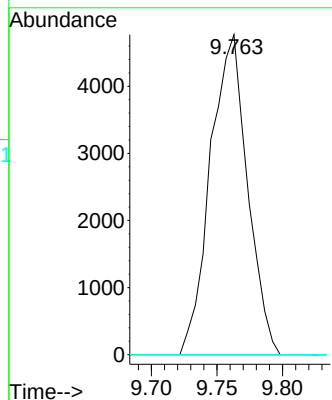
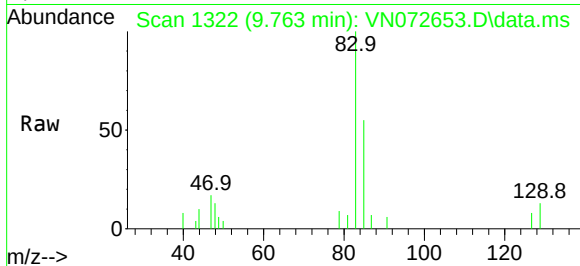




#38
Methylcyclohexane
Concen: 2.619 ug/l
RT: 9.763 min Scan# 1322
Delta R.T. 0.306 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

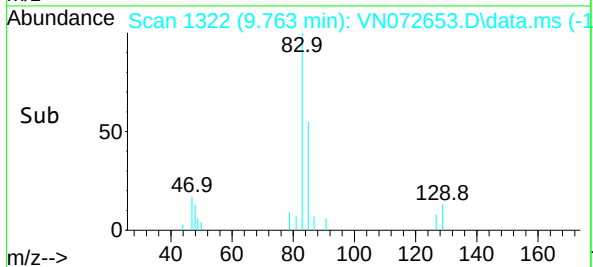
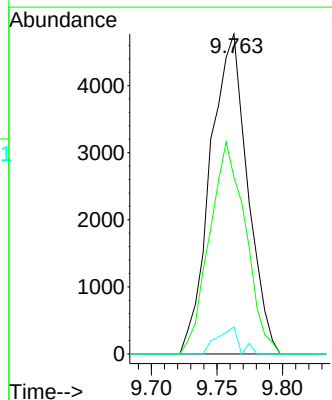
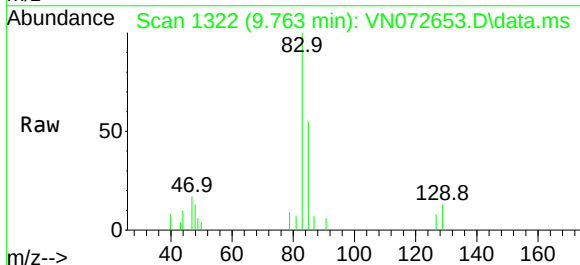
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

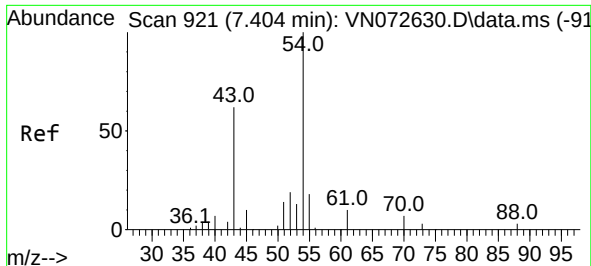
Tgt Ion: 83 Resp: 9403
Ion Ratio Lower Upper
83 100
55 0.0 35.1 105.3#
98 0.0 23.4 70.2#



#41
Bromodichloromethane
Concen: 3.036 ug/l
RT: 9.763 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 83 Resp: 9403
Ion Ratio Lower Upper
83 100
85 55.2 54.1 81.1
127 8.5 7.6 11.4





#43

Ethyl Acetate

Concen: 0.299 ug/l

RT: 7.416 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN072653.D

Acq: 31 May 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

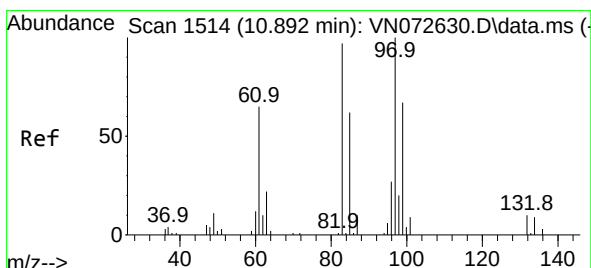
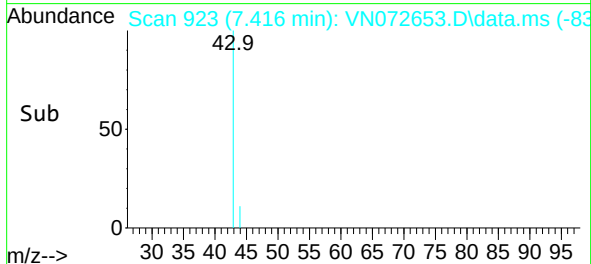
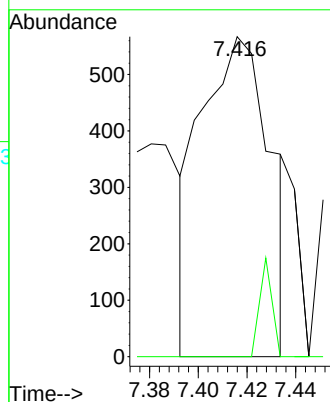
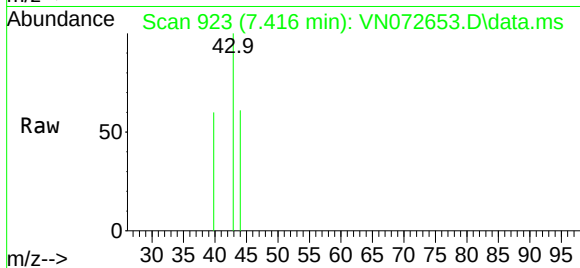
DSN-002-SEWER-OUTLET-002

Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

45 0.0 10.6 16.0#



#50

1,1,2-Trichloroethane

Concen: 3.246 ug/l

RT: 10.445 min Scan# 1438

Delta R.T. -0.447 min

Lab File: VN072653.D

Acq: 31 May 2022 15:28

Tgt Ion: 97 Resp: 7374

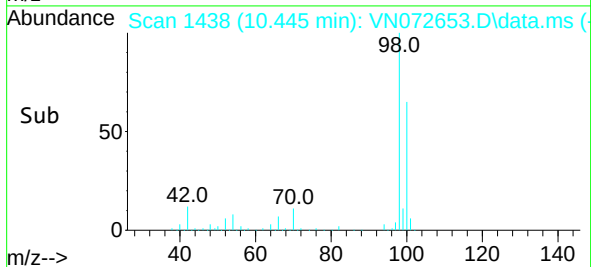
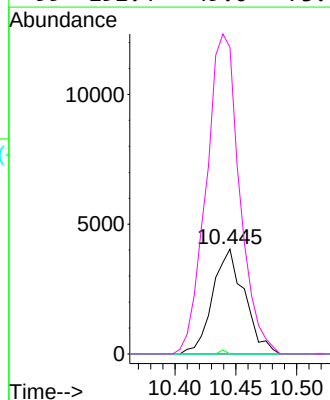
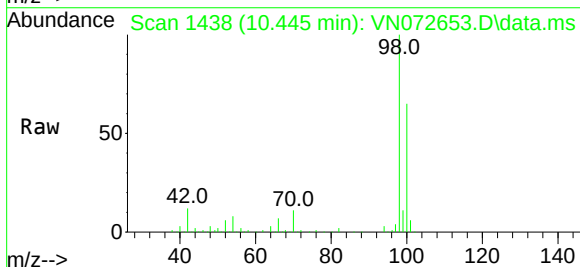
Ion Ratio Lower Upper

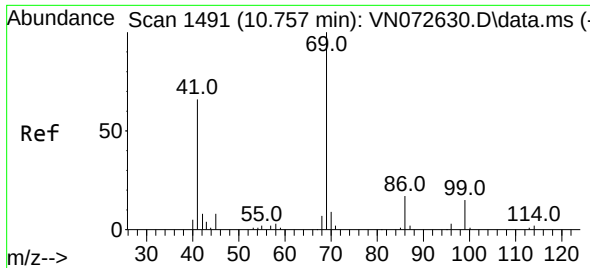
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 292.4 49.0 73.4#

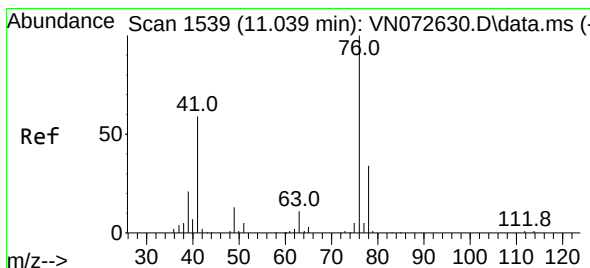
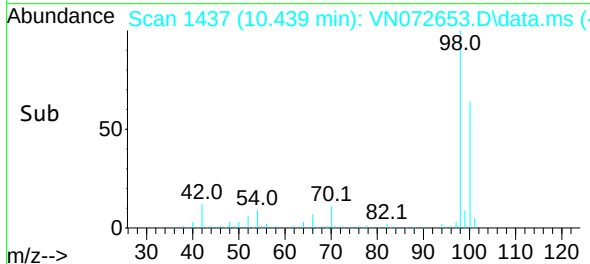
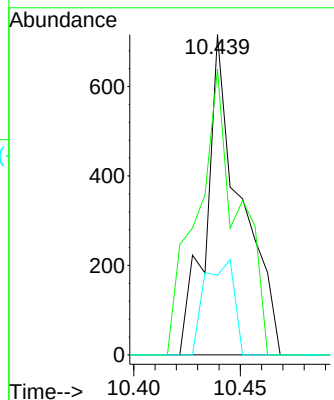
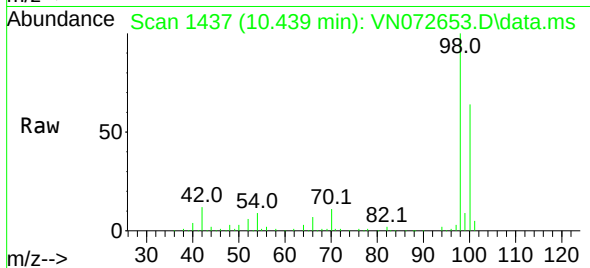




#51
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 10.439 min Scan# 1481
Delta R.T. -0.317 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

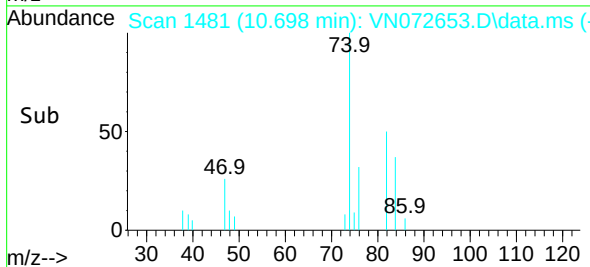
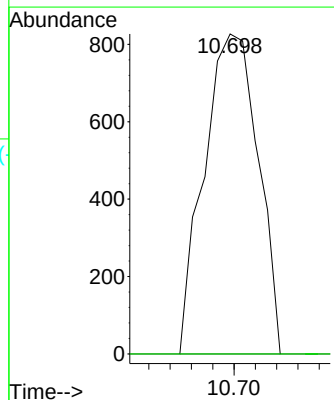
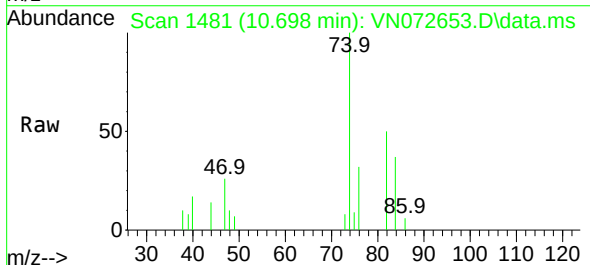
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

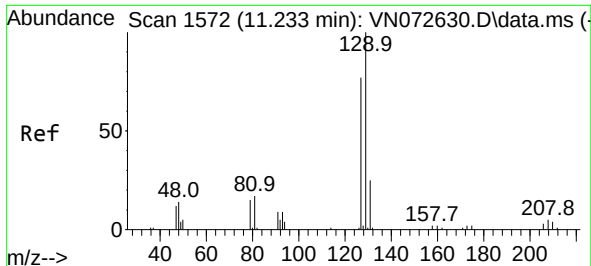
Tgt Ion: 69 Resp: 807
Ion Ratio Lower Upper
69 100
41 89.2 33.0 98.9
39 24.9 25.4 76.4#



#52
1,3-Dichloropropane
Concen: 0.364 ug/l
RT: 10.698 min Scan# 1481
Delta R.T. -0.341 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 76 Resp: 1457
Ion Ratio Lower Upper
76 100
78 0.0 0.0 65.4

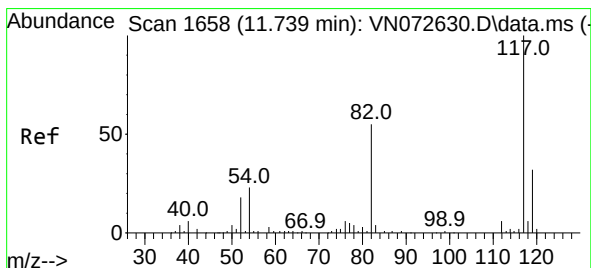
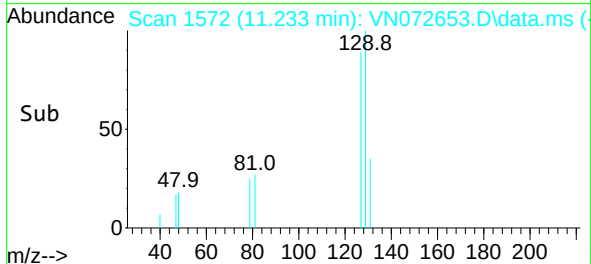
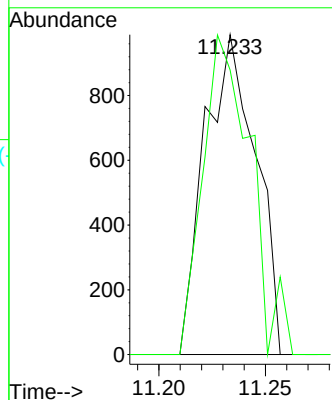
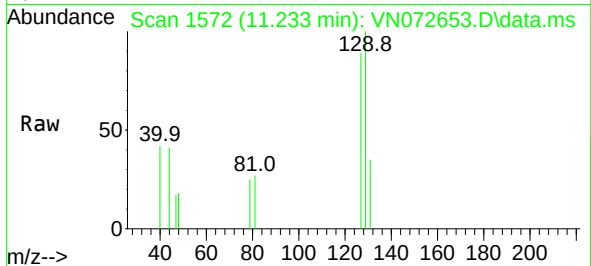




#53
Dibromochloromethane
Concen: 0.706 ug/l
RT: 11.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

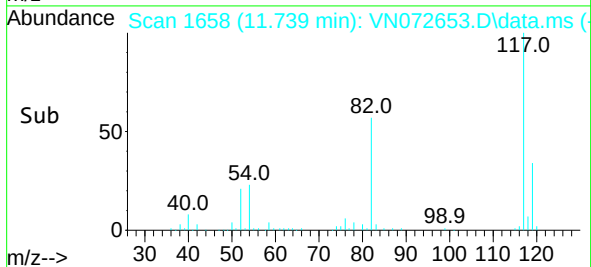
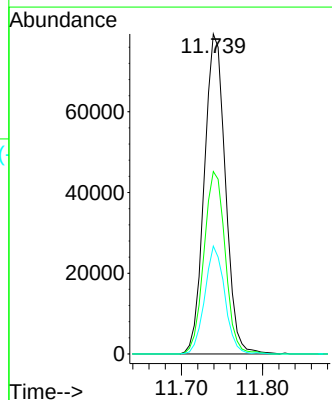
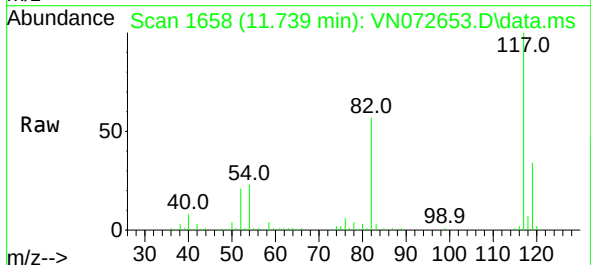
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

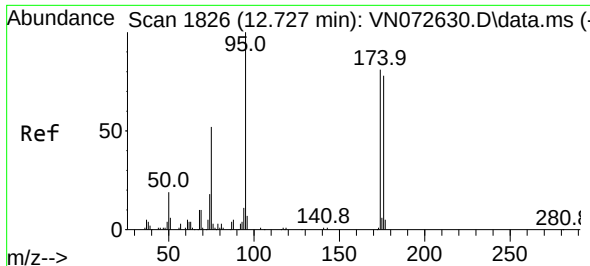
Tgt Ion:129 Resp: 1648
Ion Ratio Lower Upper
129 100
127 88.4 39.0 117.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion:117 Resp: 143016
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 31.9 25.8 38.6

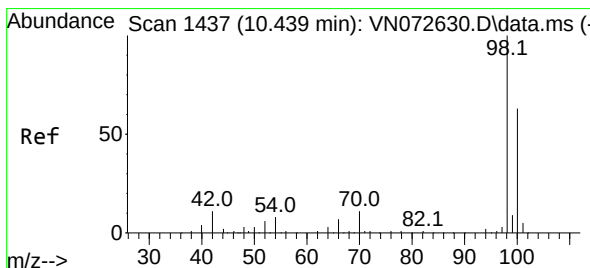
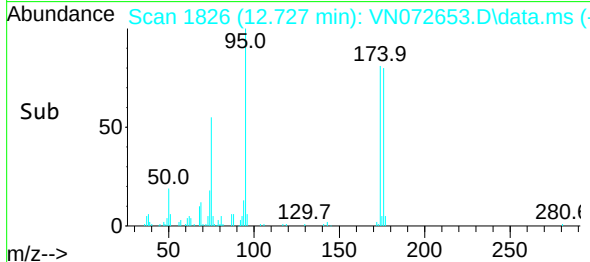
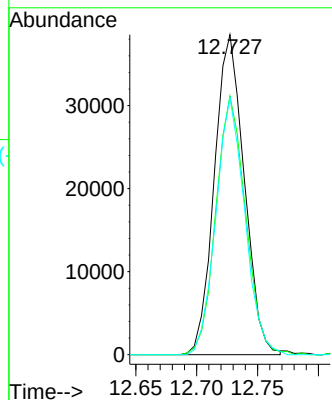
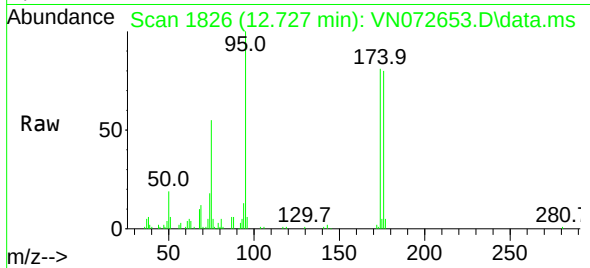




#60
4-Bromofluorobenzene
Concen: 26.175 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

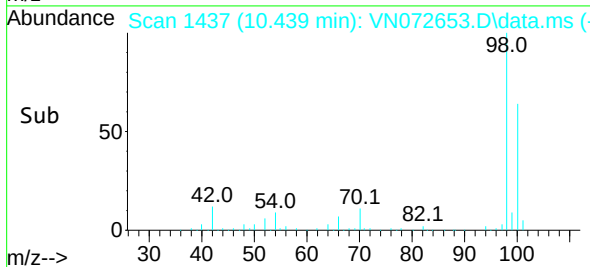
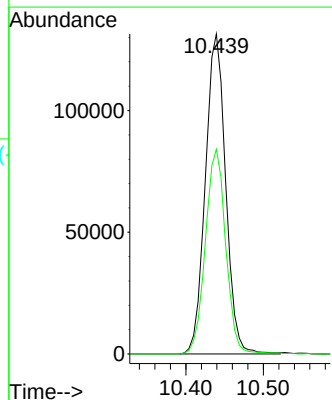
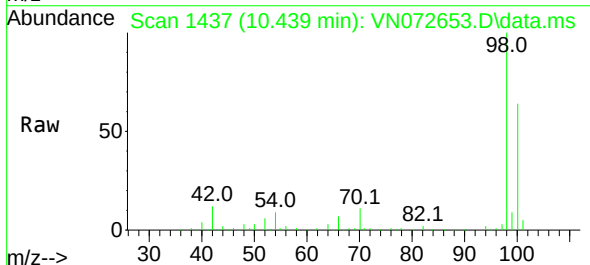
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

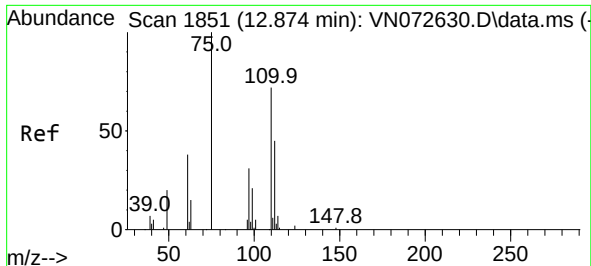
Tgt Ion: 95 Resp: 65742
Ion Ratio Lower Upper
95 100
174 80.4 62.9 94.3
176 77.9 61.0 91.4



#63
Toluene-d8
Concen: 29.398 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 98 Resp: 239057
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0

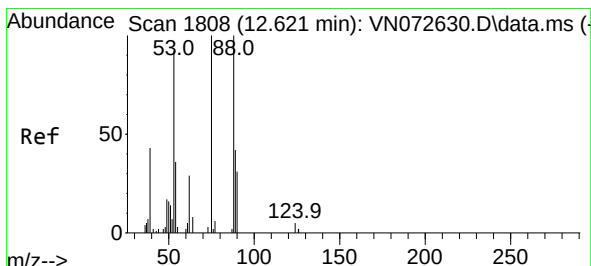
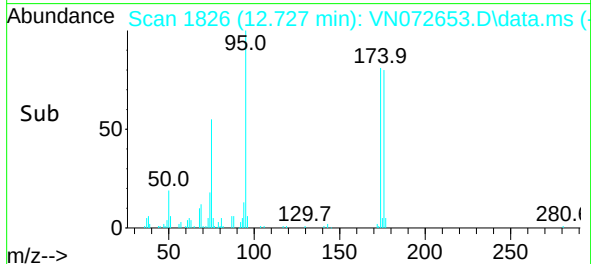
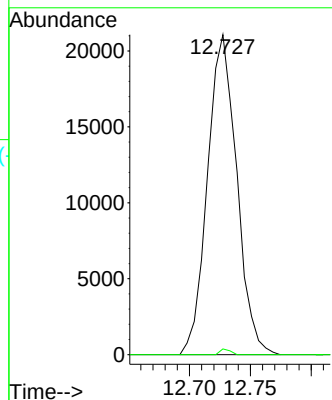
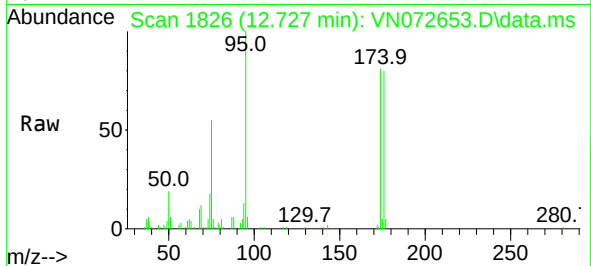




#72
1,2,3-Trichloropropane
Concen: 11.902 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

Tgt Ion: 75 Resp: 35282
Ion Ratio Lower Upper
75 100
77 0.6 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.458 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072653.D
Acq: 31 May 2022 15:28

Tgt Ion: 75 Resp: 35282
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

