

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074067.D
 Acq On : 23 Aug 2022 14:47
 Operator : JC\MD
 Sample : N4276-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 24 01:21:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

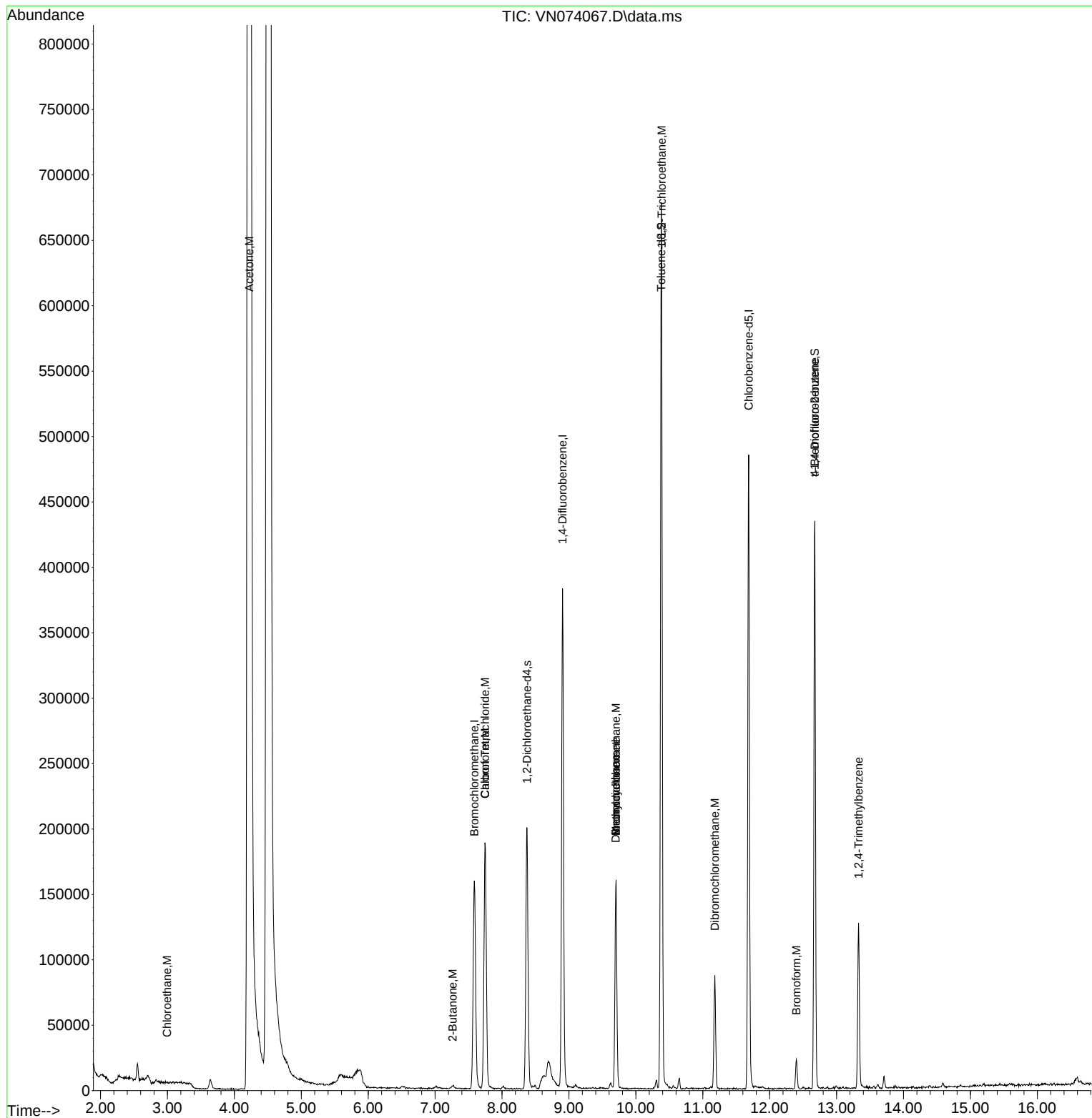
Internal Standards						
1) Bromochloromethane	7.587	128	66707	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	349414	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	303095	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.375	65	165156	28.635	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.467%		
60) 4-Bromofluorobenzene	12.674	95	147014	27.394	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	91.300%		
63) Toluene-d8	10.381	98	489800	28.699	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.667%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.993	64	1315	0.264	ug/l #	44
15) Acetone	4.222	58	2688204	2951.890	ug/l	83
25) Chloroform	7.745	83	196669	21.308	ug/l	96
30) 2-Butanone	7.263	43	1532	0.339	ug/l #	71
33) Carbon Tetrachloride	7.745	117	2228	0.344	ug/l #	80
38) Methylcyclohexane	9.704	83	113952	14.060	ug/l #	21
40) Dibromomethane	9.698	93	3456	0.956	ug/l #	8
41) Bromodichloromethane	9.704	83	113952	16.096	ug/l	96
50) 1,1,2-Trichloroethane	10.386	97	15728	2.899	ug/l #	1
53) Dibromochloromethane	11.180	129	47620	8.660	ug/l	99
56) Bromoform	12.398	173	10687	2.473	ug/l #	97
77) t-1,4-Dichloro-2-butene	12.674	75	71602	30.591	ug/l #	8
80) 1,2,4-Trimethylbenzene	13.327	105	49563	2.731	ug/l #	100

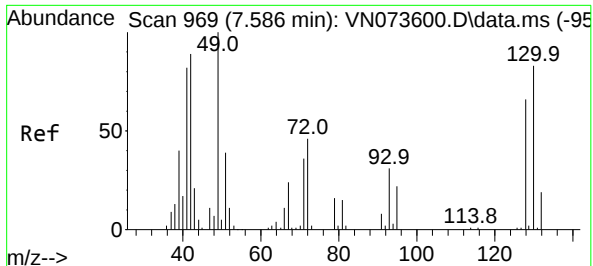
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
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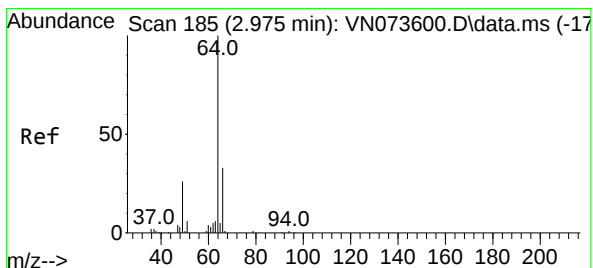
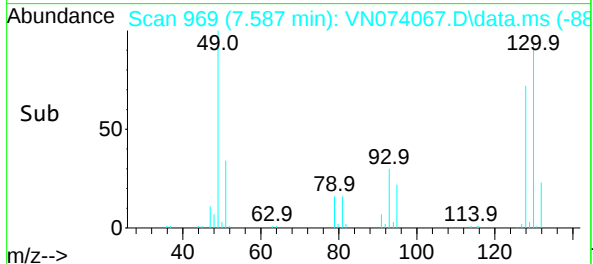
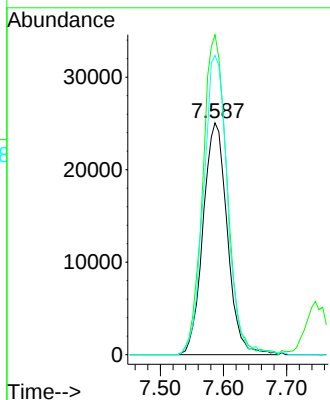
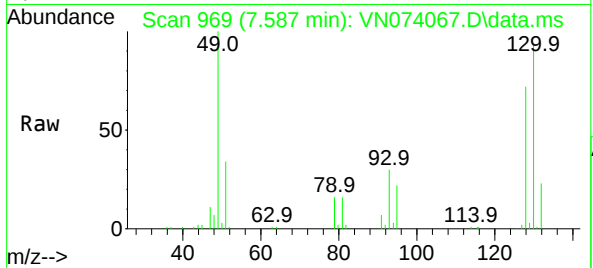




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 969
Delta R.T. 0.001 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

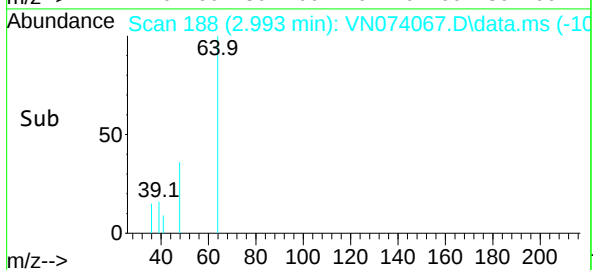
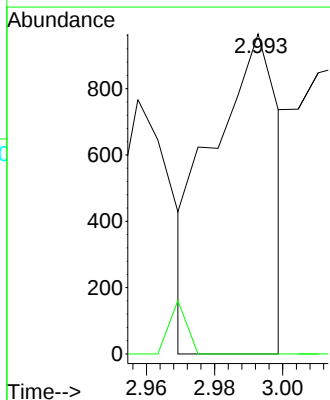
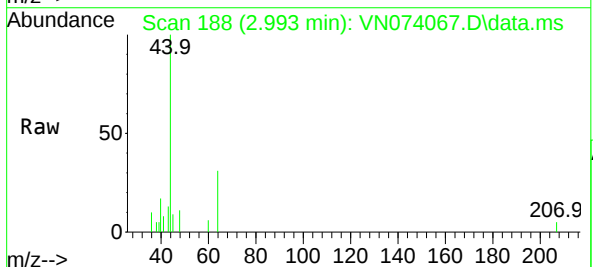
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

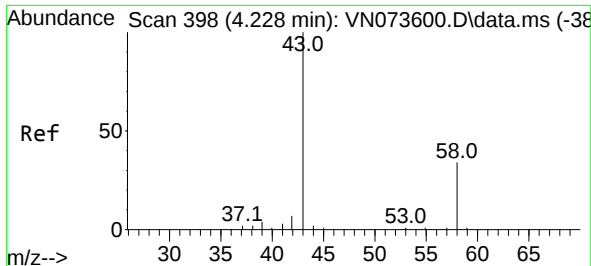
Tgt Ion:128 Resp: 66707
Ion Ratio Lower Upper
128 100
49 137.2 0.0 392.3
130 126.4 0.0 320.2



#6
Chloroethane
Concen: 0.264 ug/l
RT: 2.993 min Scan# 188
Delta R.T. 0.018 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

Tgt Ion: 64 Resp: 1315
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#15

Acetone

Concen: 2951.890 ug/l

RT: 4.222 min Scan# 398

Delta R.T. -0.006 min

Lab File: VN074067.D

Acq: 23 Aug 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

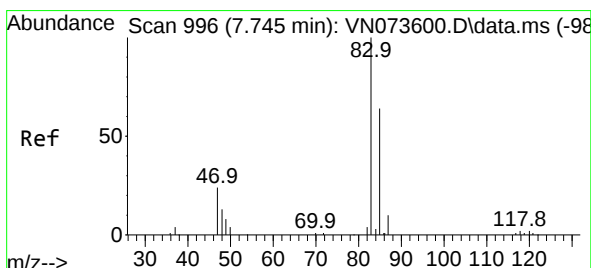
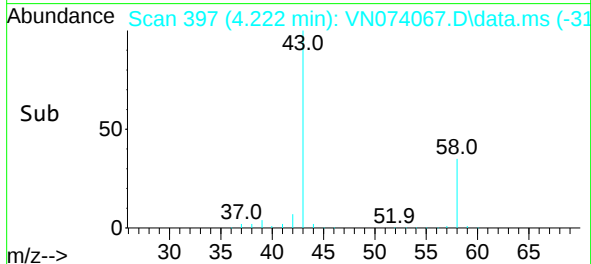
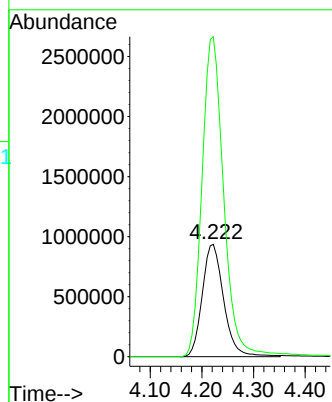
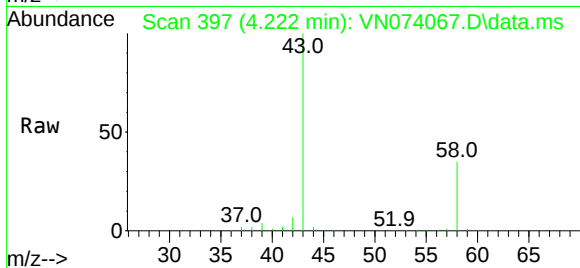
DSN-002-SEWER-OUTLET-002

Tgt Ion: 58 Resp: 2688204

Ion Ratio Lower Upper

58 100

43 284.9 256.6 384.8



#25

Chloroform

Concen: 21.308 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN074067.D

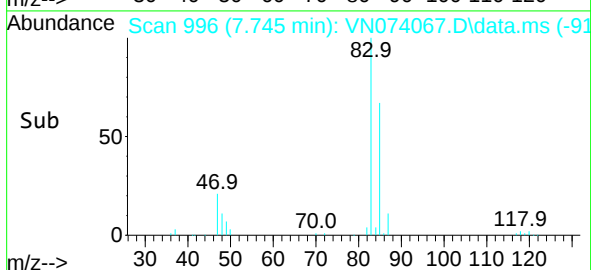
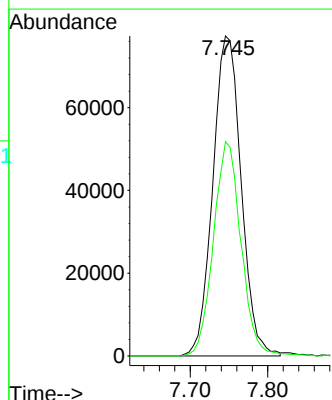
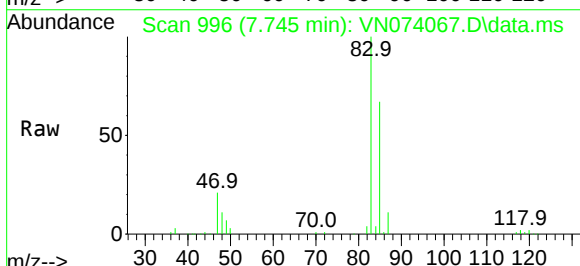
Acq: 23 Aug 2022 14:47

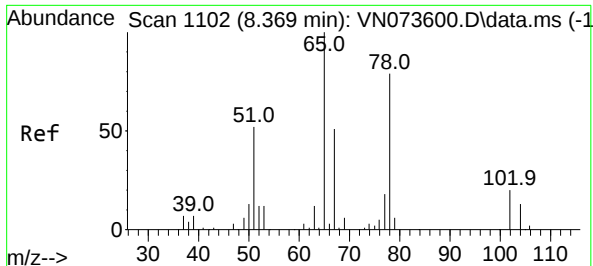
Tgt Ion: 83 Resp: 196669

Ion Ratio Lower Upper

83 100

85 67.0 51.3 76.9

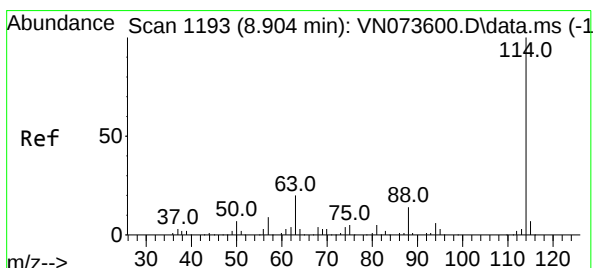
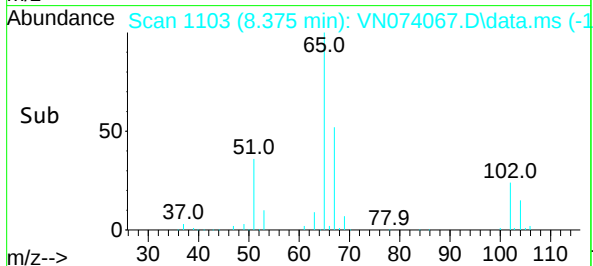
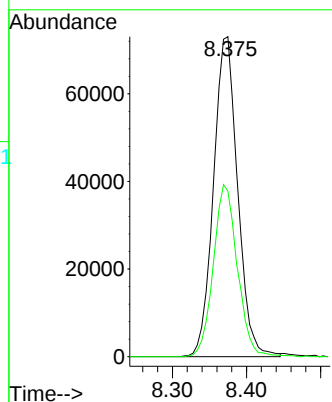
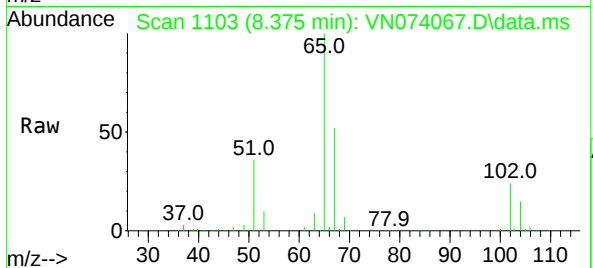




#27
1,2-Dichloroethane-d4
Concen: 28.635 ug/l
RT: 8.375 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

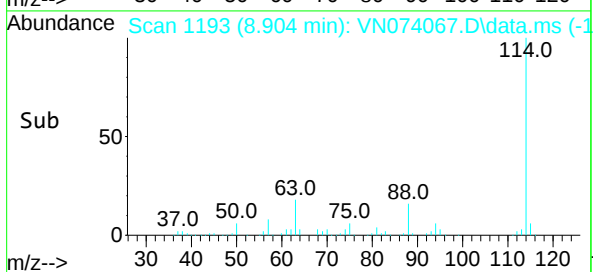
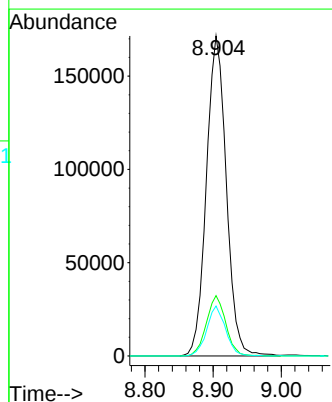
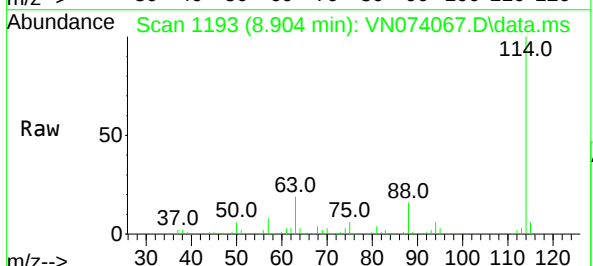
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

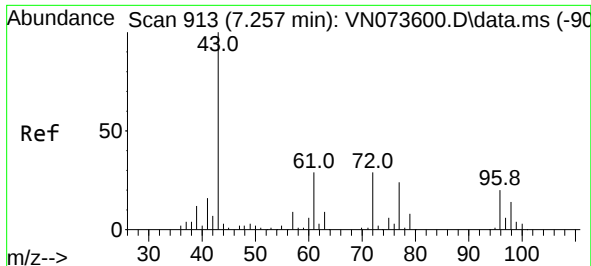
Tgt Ion: 65 Resp: 165156
Ion Ratio Lower Upper
65 100
67 53.5 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

Tgt Ion: 114 Resp: 349414
Ion Ratio Lower Upper
114 100
63 18.3 15.8 23.6
88 14.7 11.6 17.4

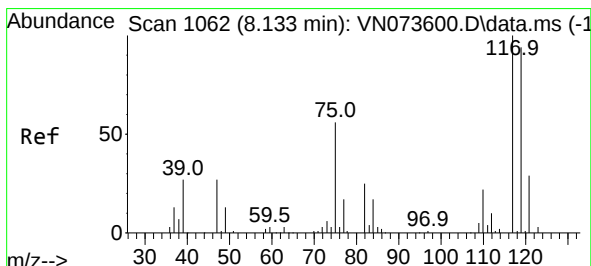
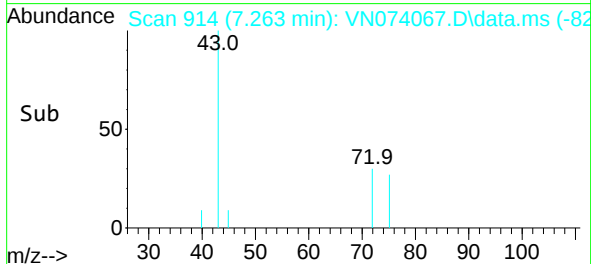
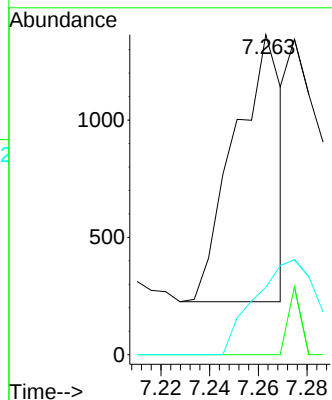
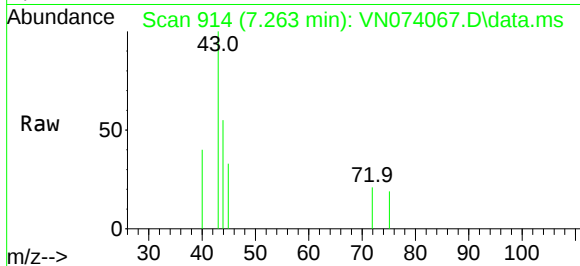




#30
2-Butanone
Concen: 0.339 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

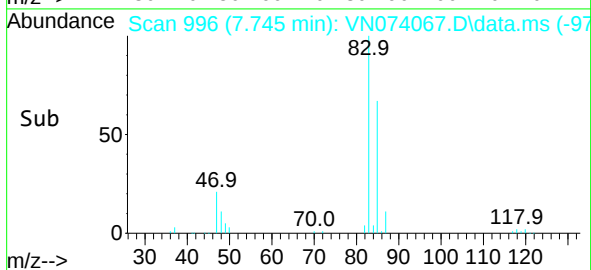
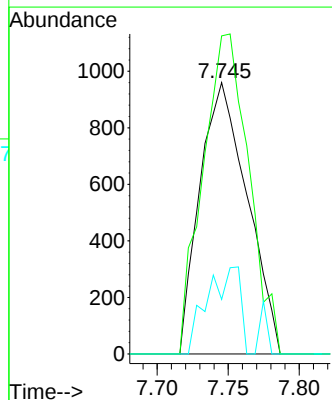
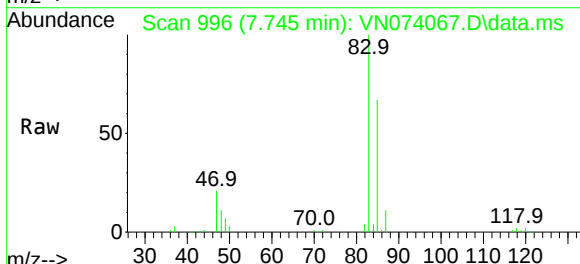
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

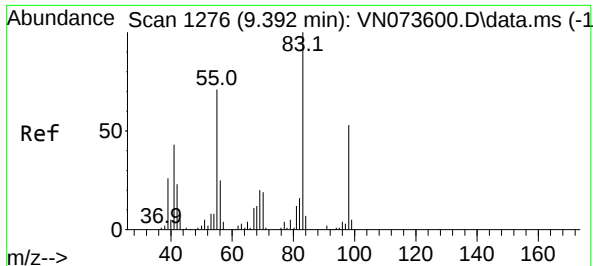
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 45.4 23.2 34.8#



#33
Carbon Tetrachloride
Concen: 0.344 ug/l
RT: 7.745 min Scan# 996
Delta R.T. -0.388 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

Tgt Ion: 117 Resp: 2228
Ion Ratio Lower Upper
117 100
119 117.2 77.5 116.3#
121 20.1 23.5 35.3#





#38

Methylcyclohexane

Concen: 14.060 ug/l

RT: 9.704 min Scan# 11

Delta R.T. 0.312 min

Lab File: VN074067.D

Acq: 23 Aug 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

DSN-002-SEWER-OUTLET-002

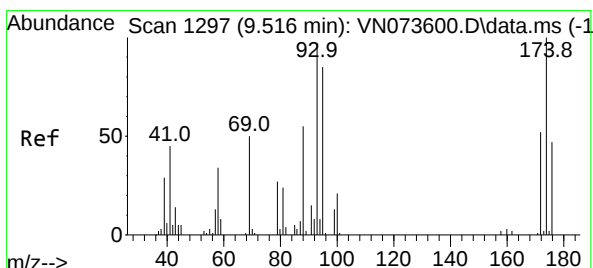
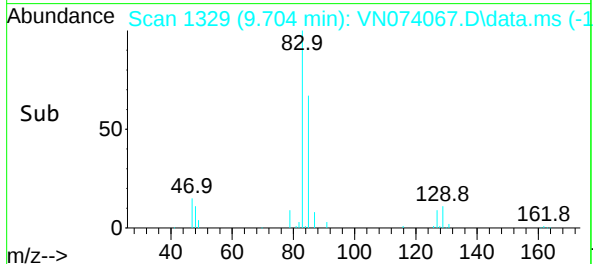
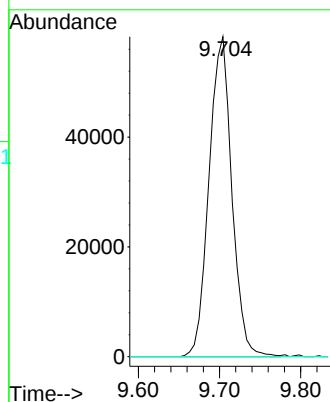
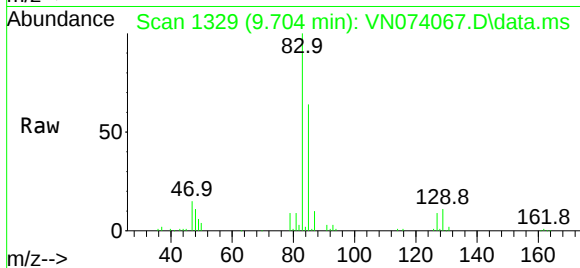
Tgt Ion: 83 Resp: 113952

Ion Ratio Lower Upper

83 100

55 0.0 35.1 105.3#

98 0.0 23.4 70.2#



#40

Dibromomethane

Concen: 0.956 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. 0.182 min

Lab File: VN074067.D

Acq: 23 Aug 2022 14:47

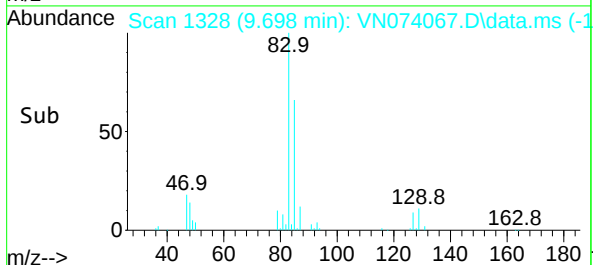
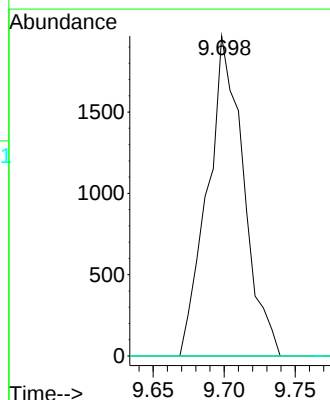
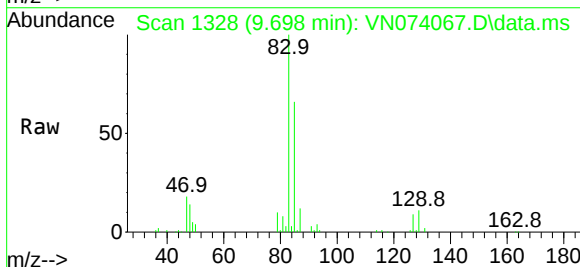
Tgt Ion: 93 Resp: 3456

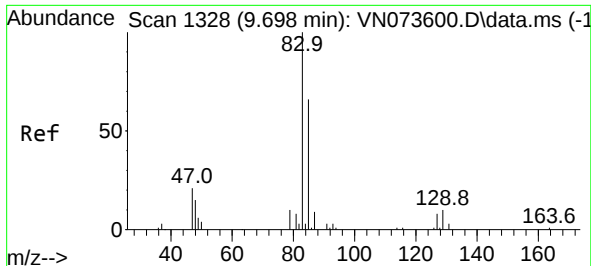
Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.8

174 2.3 0.0 173.6

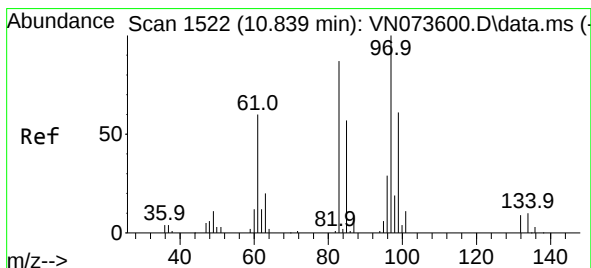
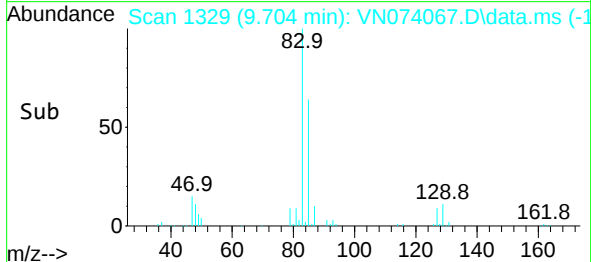
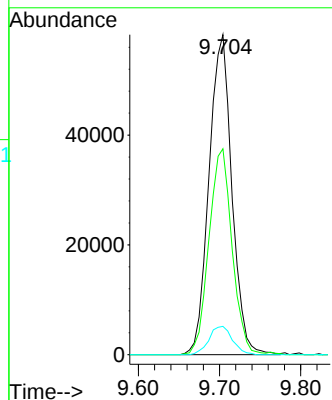
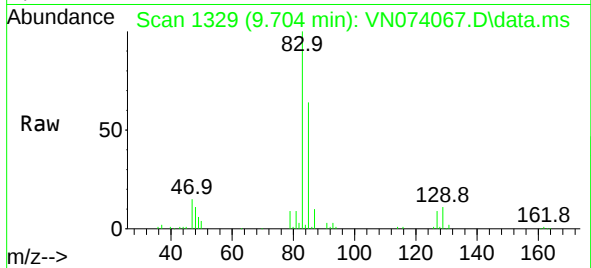




#41
Bromodichloromethane
Concen: 16.096 ug/l
RT: 9.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

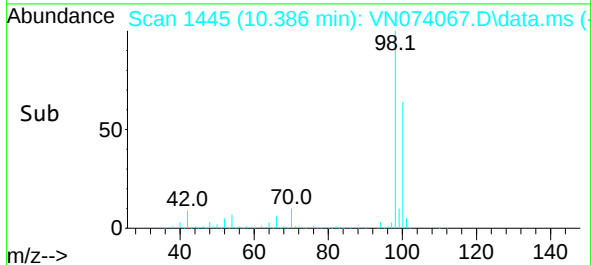
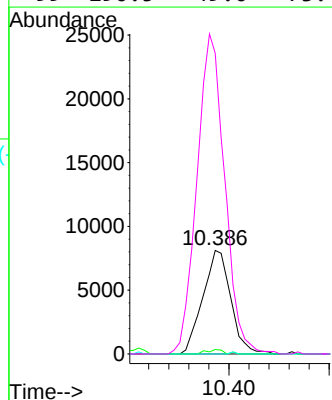
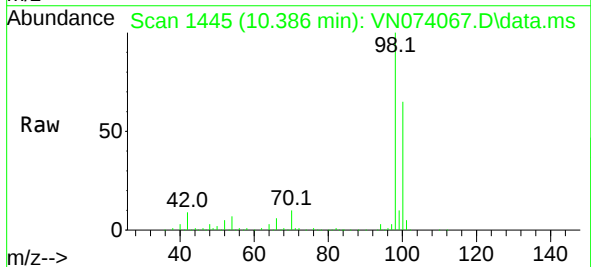
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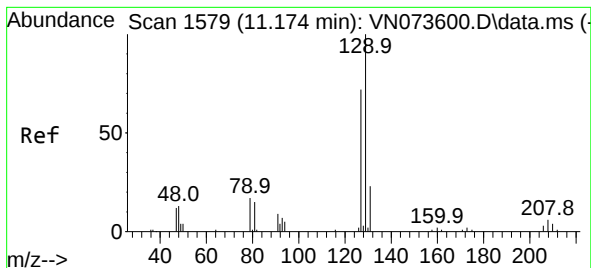
Tgt Ion: 83 Resp: 113952
Ion Ratio Lower Upper
83 100
85 64.4 54.1 81.1
127 8.8 7.6 11.4



#50
1,1,2-Trichloroethane
Concen: 2.899 ug/l
RT: 10.386 min Scan# 1445
Delta R.T. -0.453 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

Tgt Ion: 97 Resp: 15728
Ion Ratio Lower Upper
97 100
83 4.4 67.2 100.8#
85 0.0 43.0 64.4#
99 290.5 49.0 73.4#





#53

Dibromochloromethane

Concen: 8.660 ug/l

RT: 11.180 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074067.D

Acq: 23 Aug 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

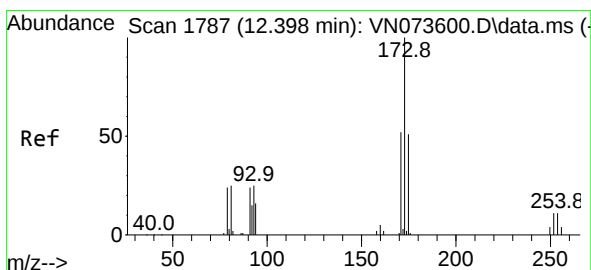
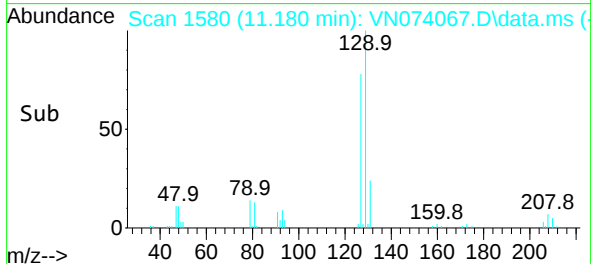
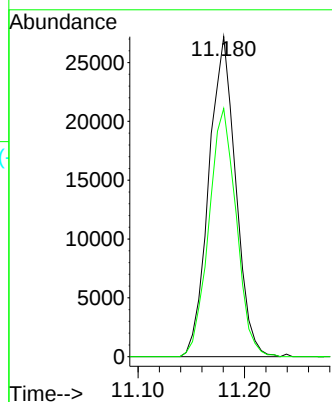
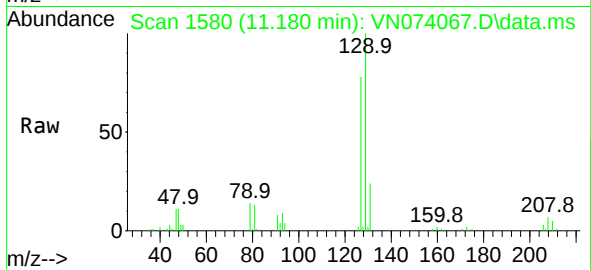
DSN-002-SEWER-OUTLET-002

Tgt Ion:129 Resp: 47620

Ion Ratio Lower Upper

129 100

127 79.0 39.0 117.0



#56

Bromoform

Concen: 2.473 ug/l

RT: 12.398 min Scan# 1787

Delta R.T. 0.000 min

Lab File: VN074067.D

Acq: 23 Aug 2022 14:47

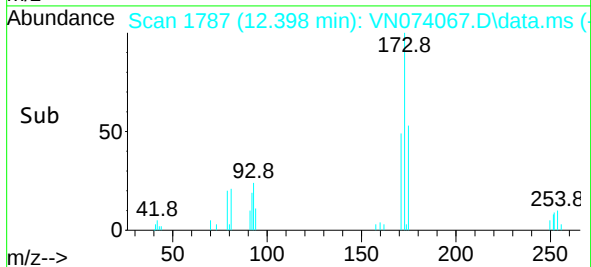
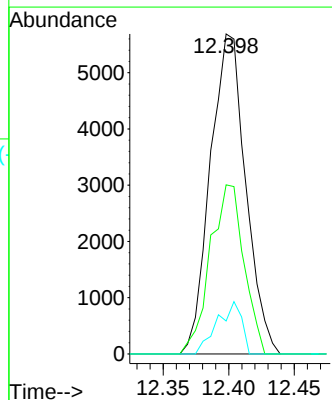
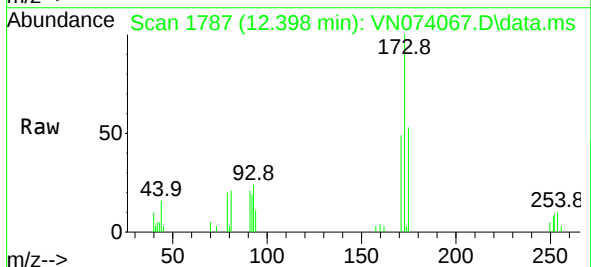
Tgt Ion:173 Resp: 10687

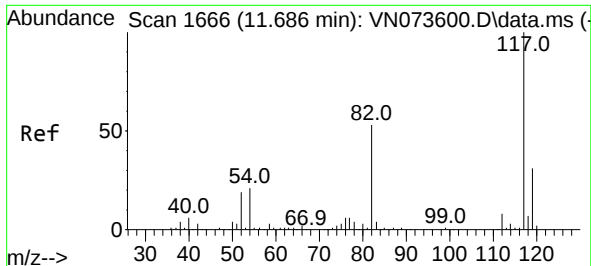
Ion Ratio Lower Upper

173 100

175 50.3 38.6 58.0

254 11.3 0.0 0.0#

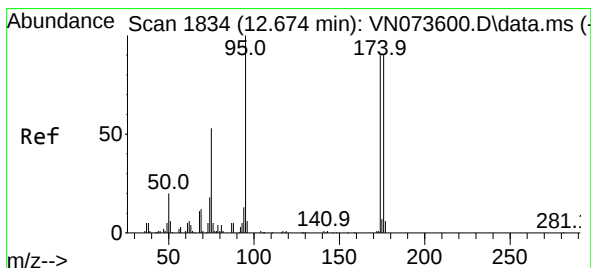
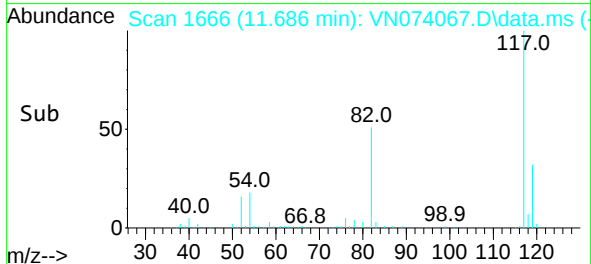
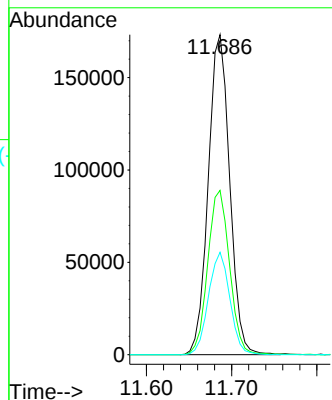
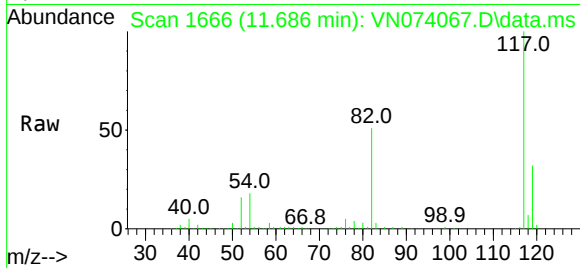




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

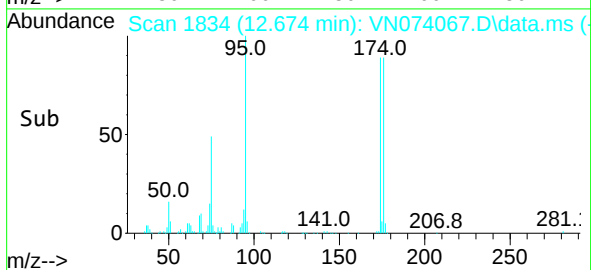
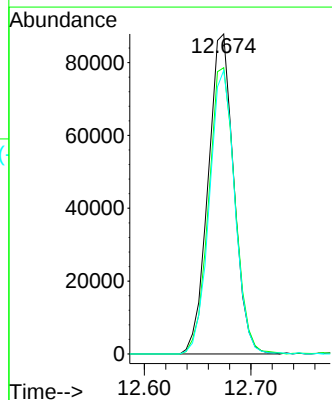
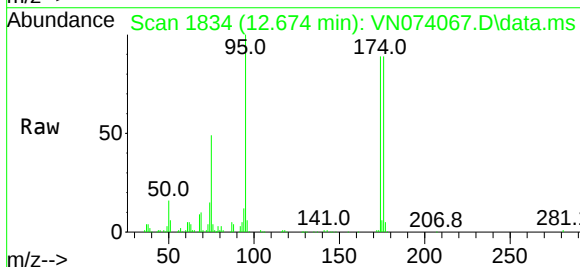
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

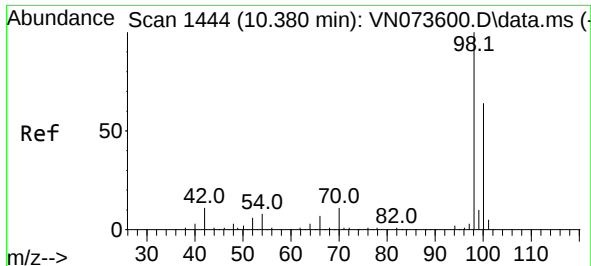
Tgt Ion:117 Resp: 303095
Ion Ratio Lower Upper
117 100
82 52.2 43.6 65.4
119 31.9 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.394 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

Tgt Ion: 95 Resp: 147014
Ion Ratio Lower Upper
95 100
174 91.3 62.9 94.3
176 87.4 61.0 91.4

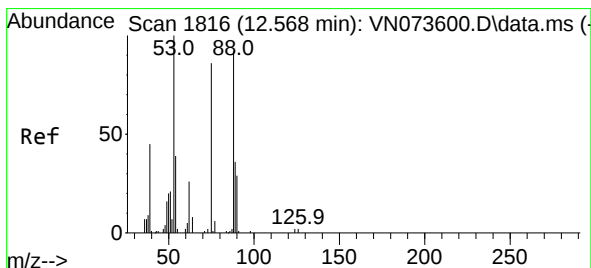
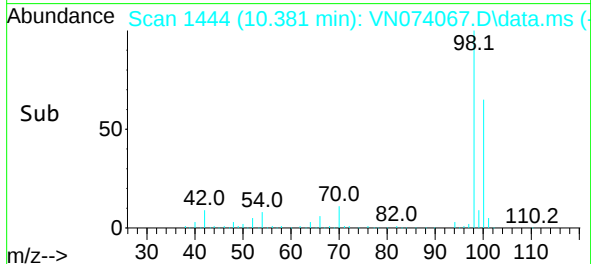
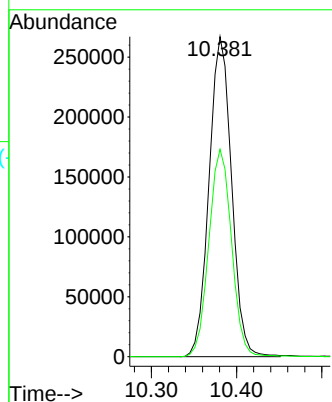
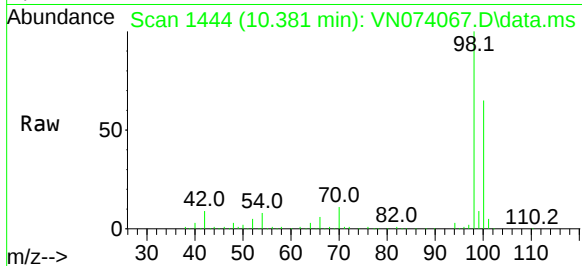




#63
Toluene-d8
Concen: 28.699 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

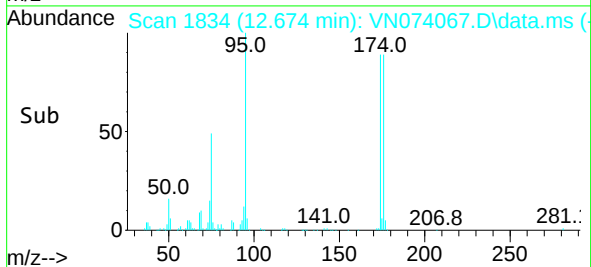
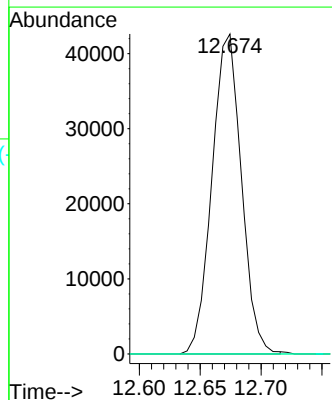
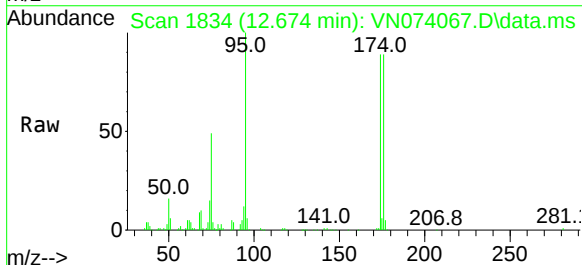
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002

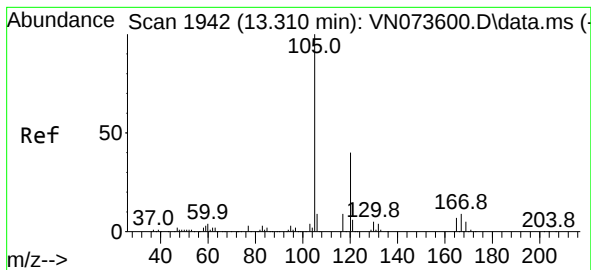
Tgt Ion: 98 Resp: 489800
Ion Ratio Lower Upper
98 100
100 65.2 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.591 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074067.D
Acq: 23 Aug 2022 14:47

Tgt Ion: 75 Resp: 71602
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#80
 1,2,4-Trimethylbenzene
 Concen: 2.731 ug/l
 RT: 13.327 min Scan# 1945
 Delta R.T. 0.018 min
 Lab File: VN074067.D
 Acq: 23 Aug 2022 14:47

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

Tgt Ion:105 Resp: 49563
 Ion Ratio Lower Upper
 105 100
 120 0.0 0.0 0.2

