

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074072.D
 Acq On : 23 Aug 2022 16:50
 Operator : JC\MD
 Sample : N4276-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 24 01:21:49 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)

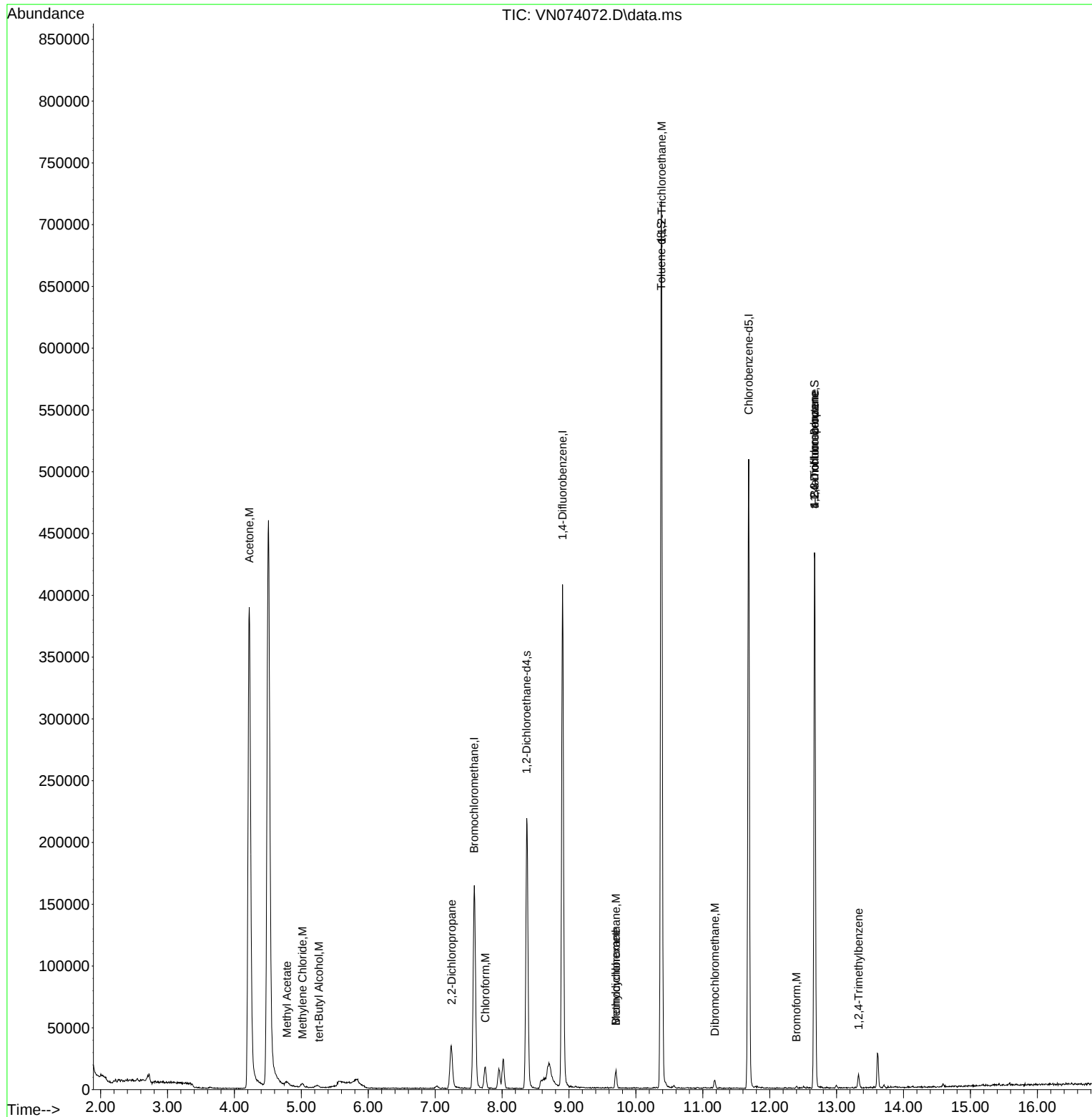
Internal Standards						
1) Bromochloromethane	7.580	128	66119	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	370661	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	313463	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	180718	31.612	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.367%
60) 4-Bromofluorobenzene	12.668	95	146199	26.341	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.800%
63) Toluene-d8	10.380	98	512885	29.058	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.867%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.787	43	2363	0.336	ug/l	98
15) Acetone	4.222	58	240482	266.419	ug/l	81
18) Methylene Chloride	5.016	84	1393	0.266	ug/l #	60
23) tert-Butyl Alcohol	5.263	59	666	0.580	ug/l #	100
25) Chloroform	7.751	83	17686	1.933	ug/l	99
31) 2,2-Dichloropropane	7.245	77	2147	0.297	ug/l #	53
38) Methylcyclohexane	9.704	83	10592	1.232	ug/l #	21
41) Bromodichloromethane	9.704	83	10592	1.410	ug/l #	85
50) 1,1,2-Trichloroethane	10.386	97	15649	2.719	ug/l #	1
53) Dibromochloromethane	11.180	129	4502	0.772	ug/l	90
56) Bromoform	12.398	173	976	0.213	ug/l #	97
72) 1,2,3-Trichloropropane	12.668	75	71665	10.789	ug/l	1
77) t-1,4-Dichloro-2-butene	12.668	75	71665	29.605	ug/l #	9
80) 1,2,4-Trimethylbenzene	13.327	105	4187	0.223	ug/l #	100

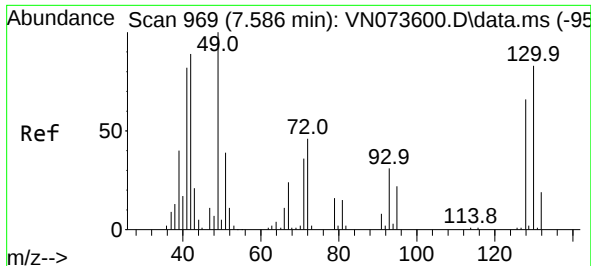
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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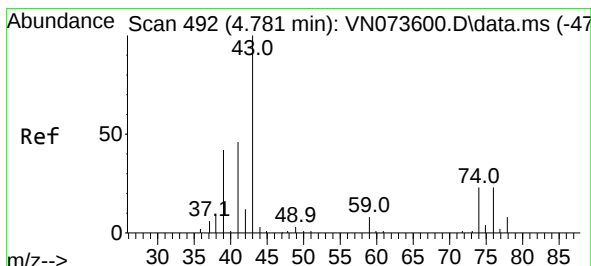
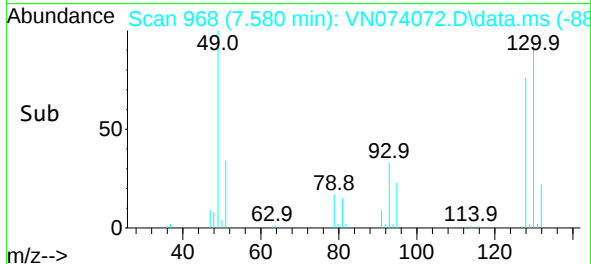
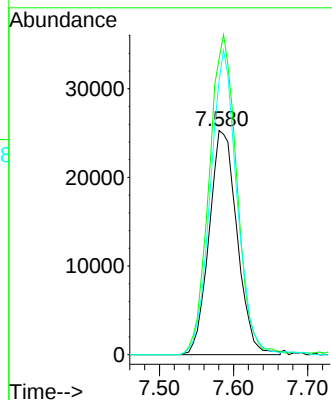
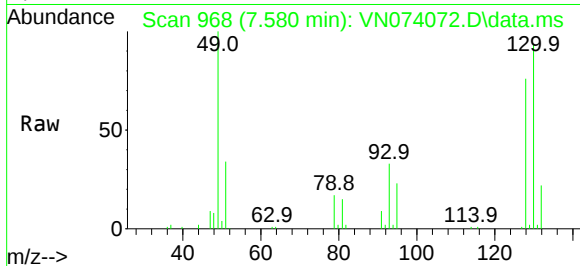




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.580 min Scan# 969
Delta R.T. -0.006 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

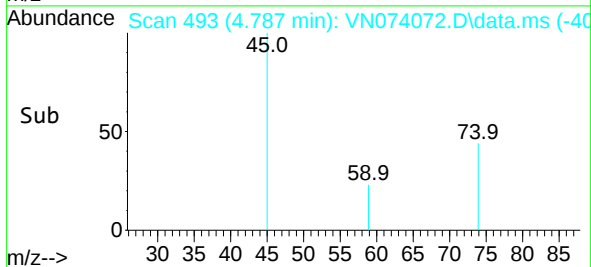
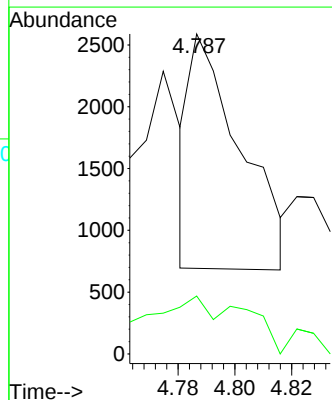
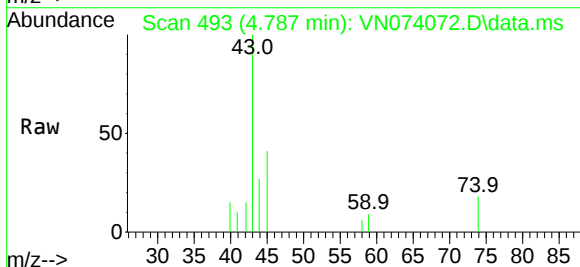
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002DL

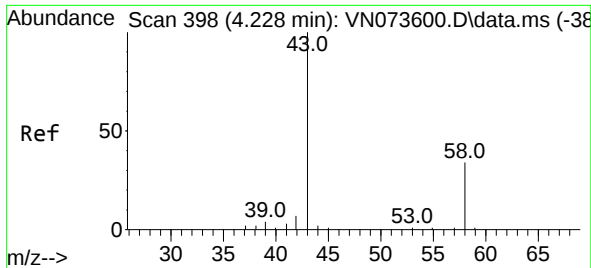
Tgt Ion:128 Resp: 66119
Ion Ratio Lower Upper
128 100
49 140.6 0.0 392.3
130 129.0 0.0 320.2



#12
Methyl Acetate
Concen: 0.336 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
74 25.0 20.8 31.2





#15

Acetone

Concen: 266.419 ug/l

RT: 4.222 min Scan# 398

Delta R.T. -0.006 min

Lab File: VN074072.D

Acq: 23 Aug 2022 16:50

Instrument :

MSVOA_N

ClientSampleId :

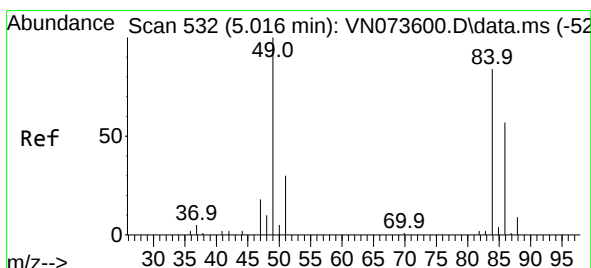
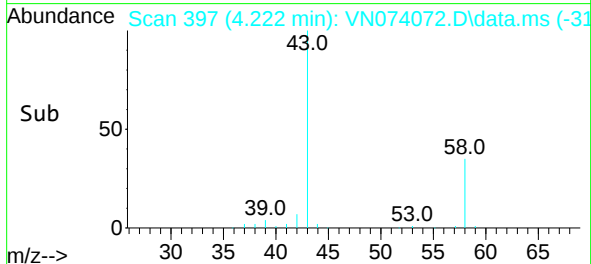
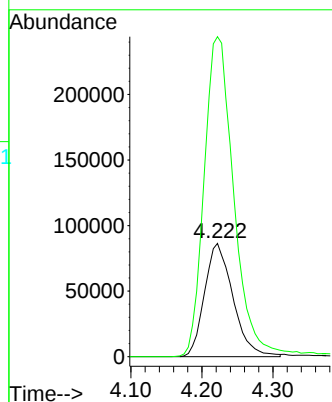
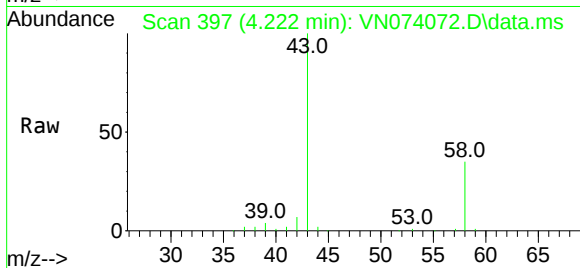
DSN-002-SEWER-OUTLET-002DL

Tgt Ion: 58 Resp: 240482

Ion Ratio Lower Upper

58 100

43 281.8 256.6 384.8



#18

Methylene Chloride

Concen: 0.266 ug/l

RT: 5.016 min Scan# 532

Delta R.T. -0.000 min

Lab File: VN074072.D

Acq: 23 Aug 2022 16:50

Tgt Ion: 84 Resp: 1393

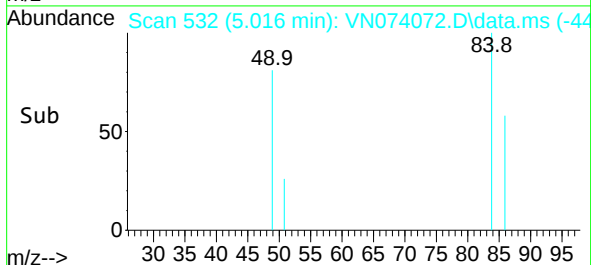
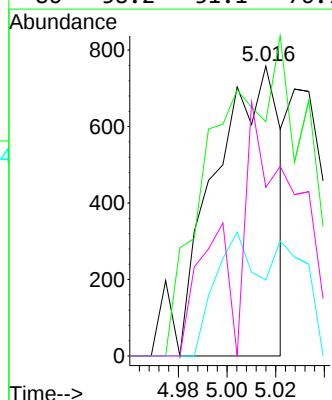
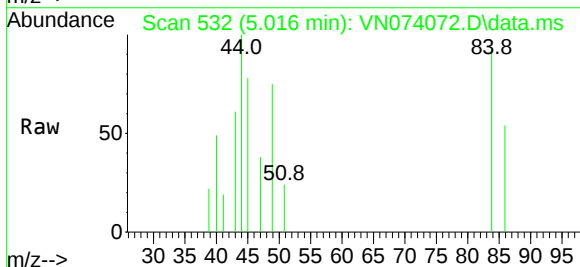
Ion Ratio Lower Upper

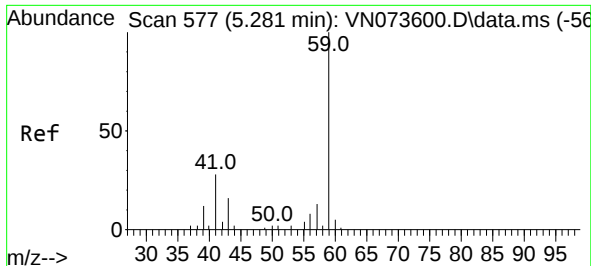
84 100

49 43.5 91.4 137.0#

51 26.3 29.4 44.0#

86 58.2 51.1 76.7

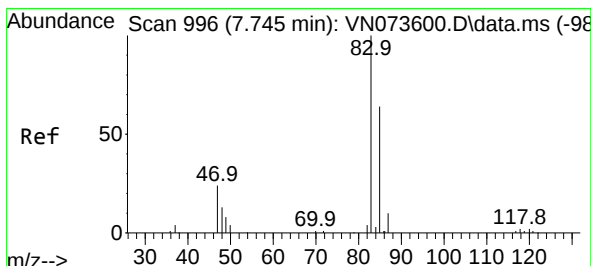
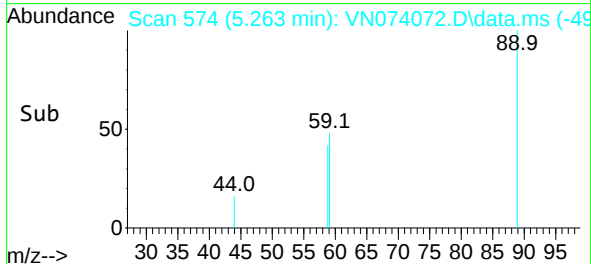
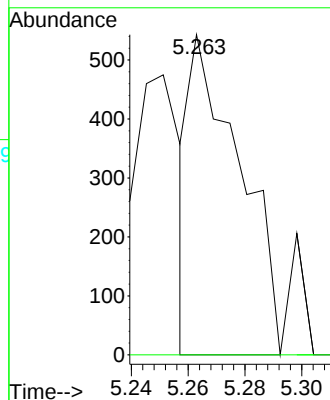
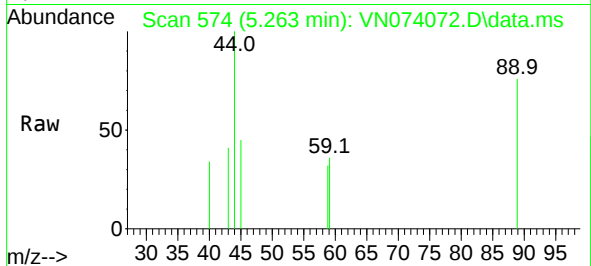




#23
tert-Butyl Alcohol
Concen: 0.580 ug/l
RT: 5.263 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

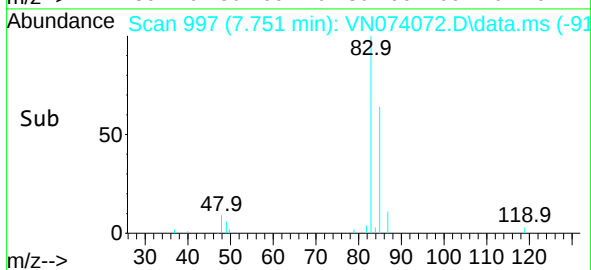
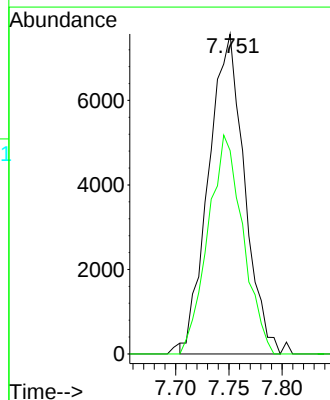
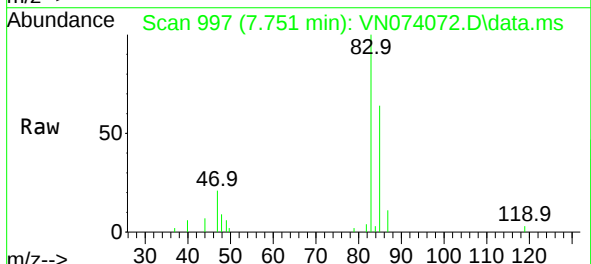
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002DL

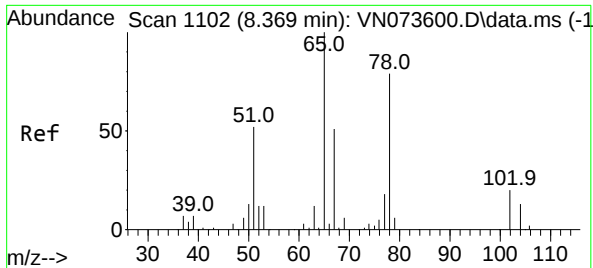
Tgt Ion: 59 Resp: 666
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.933 ug/l
RT: 7.751 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion: 83 Resp: 17686
Ion Ratio Lower Upper
83 100
85 63.6 51.3 76.9

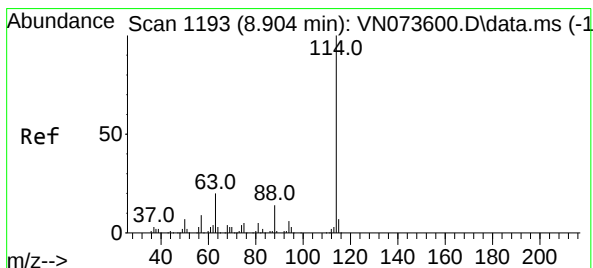
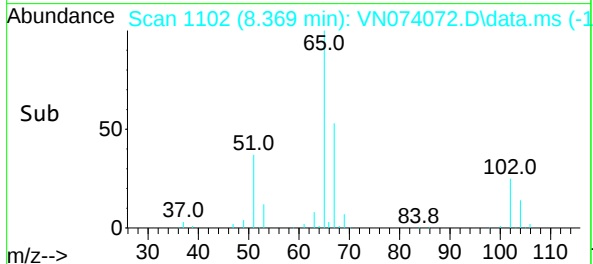
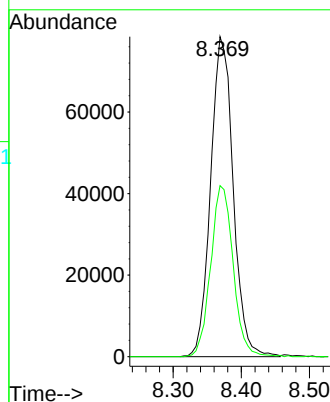
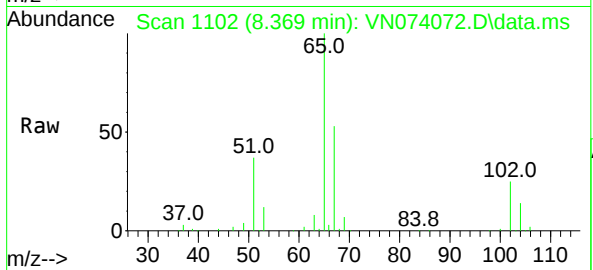




#27
 1,2-Dichloroethane-d4
 Concen: 31.612 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VN074072.D
 Acq: 23 Aug 2022 16:50

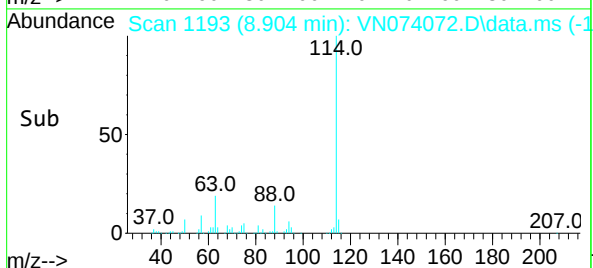
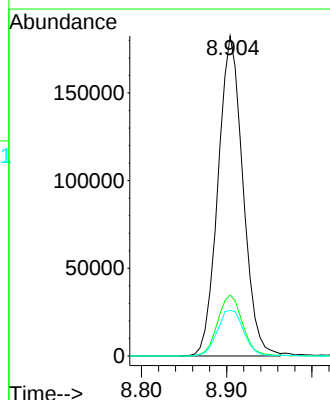
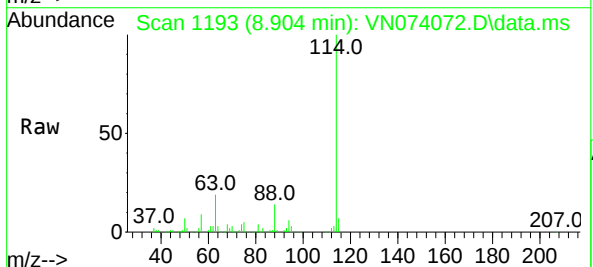
Instrument : MSVOA_N
 ClientSampleId : DSN-002-SEWER-OUTLET-002DL

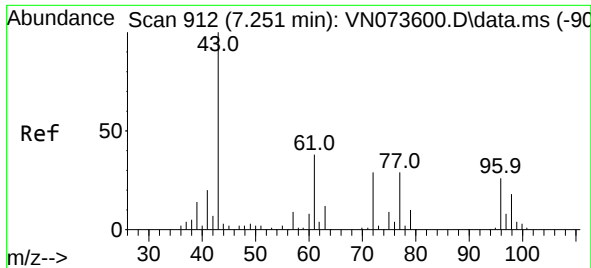
Tgt Ion: 65 Resp: 180718
 Ion Ratio Lower Upper
 65 100
 67 53.2 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. -0.000 min
 Lab File: VN074072.D
 Acq: 23 Aug 2022 16:50

Tgt Ion: 114 Resp: 370661
 Ion Ratio Lower Upper
 114 100
 63 18.9 15.8 23.6
 88 15.0 11.6 17.4

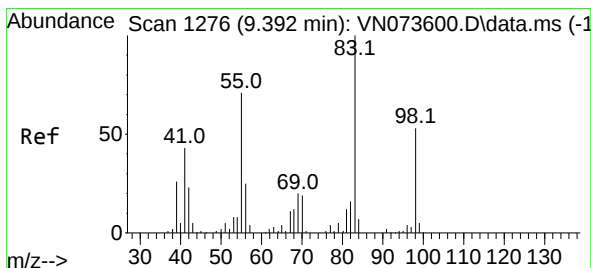
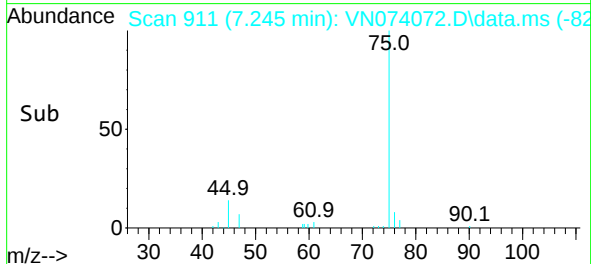
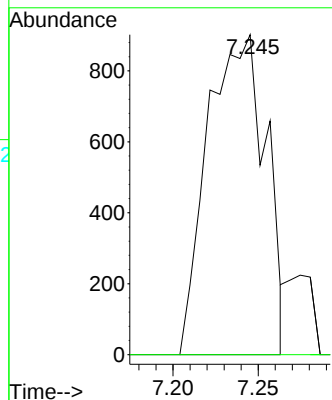
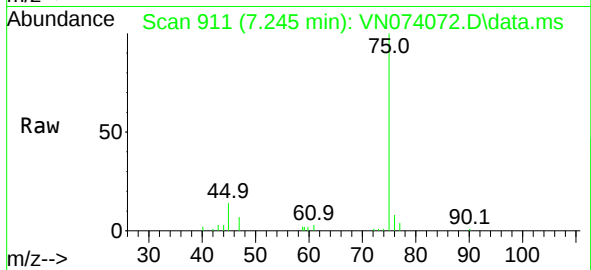




#31
2,2-Dichloropropane
Concen: 0.297 ug/l
RT: 7.245 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

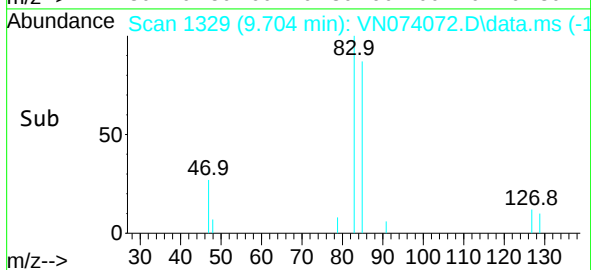
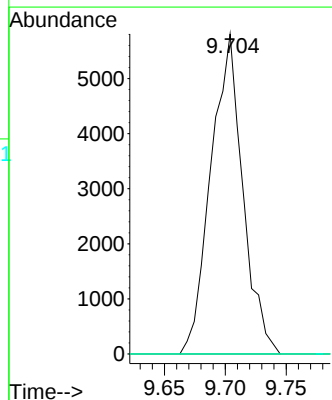
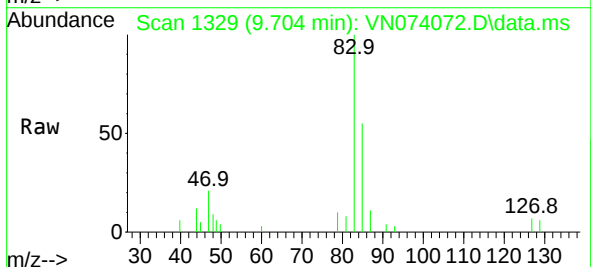
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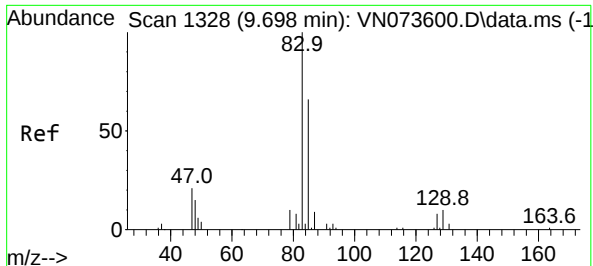
Tgt Ion: 77 Resp: 2147
Ion Ratio Lower Upper
77 100
97 0.0 18.3 27.5#



#38
Methylcyclohexane
Concen: 1.232 ug/l
RT: 9.704 min Scan# 1329
Delta R.T. 0.312 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion: 83 Resp: 10592
Ion Ratio Lower Upper
83 100
55 0.0 35.1 105.3#
98 0.0 23.4 70.2#

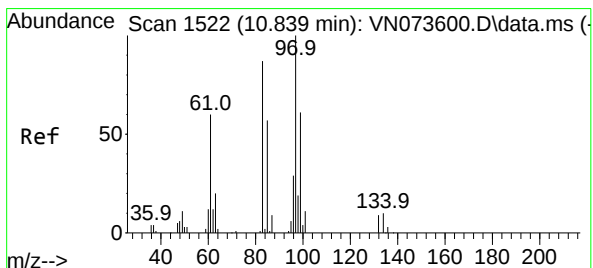
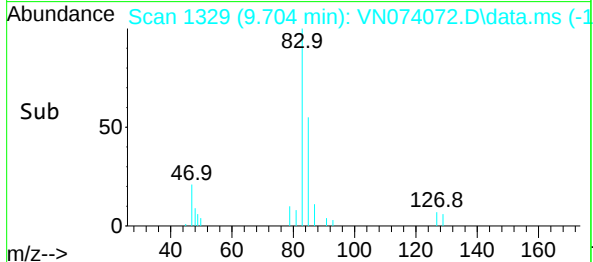
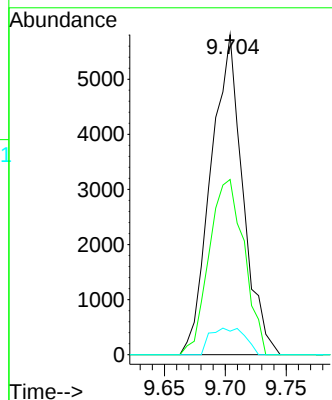
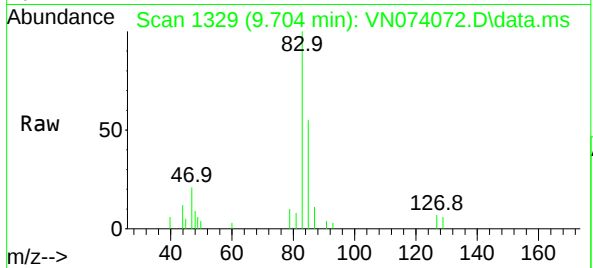




#41
Bromodichloromethane
Concen: 1.410 ug/l
RT: 9.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

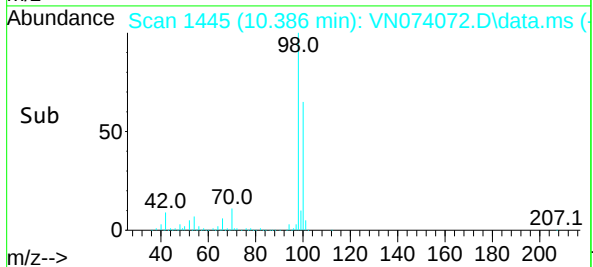
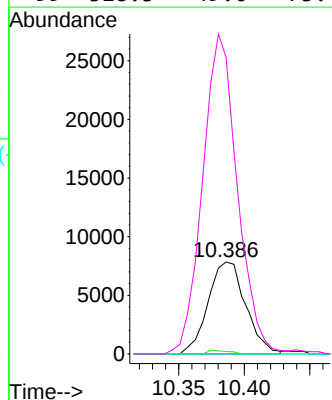
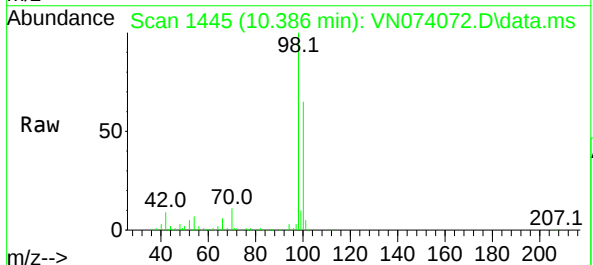
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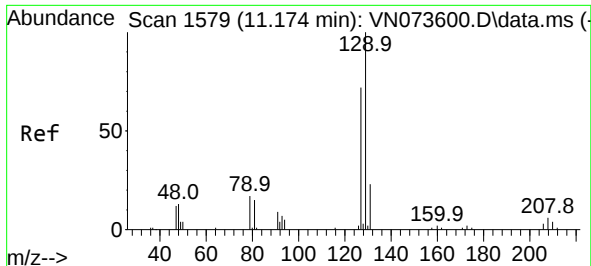
Tgt Ion: 83 Resp: 10592
Ion Ratio Lower Upper
83 100
85 54.8 54.1 81.1
127 7.3 7.6 11.4#



#50
1,1,2-Trichloroethane
Concen: 2.719 ug/l
RT: 10.386 min Scan# 1445
Delta R.T. -0.453 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion: 97 Resp: 15649
Ion Ratio Lower Upper
97 100
83 2.7 67.2 100.8#
85 0.0 43.0 64.4#
99 318.3 49.0 73.4#

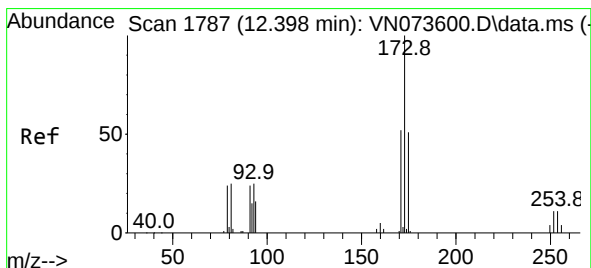
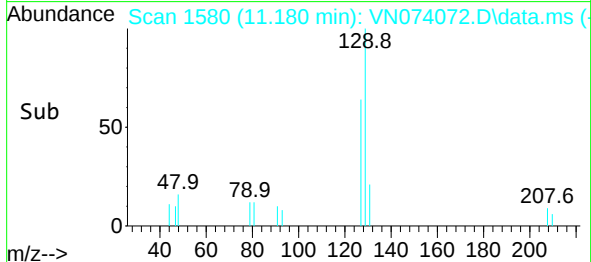
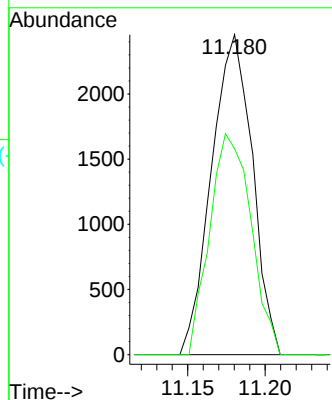
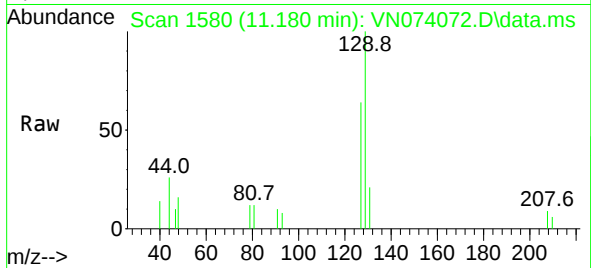




#53
Dibromochloromethane
Concen: 0.772 ug/l
RT: 11.180 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

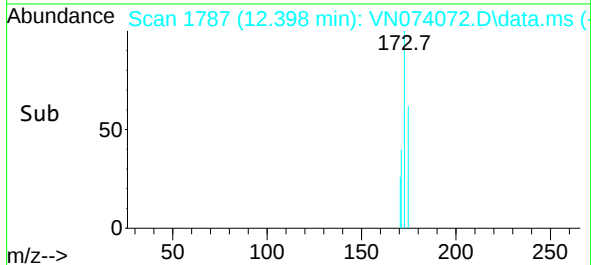
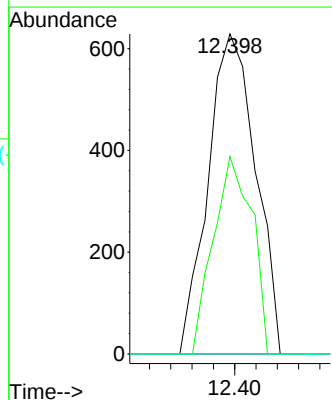
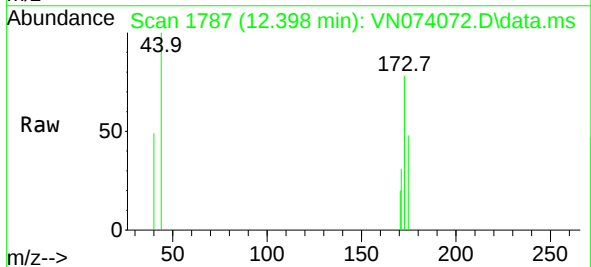
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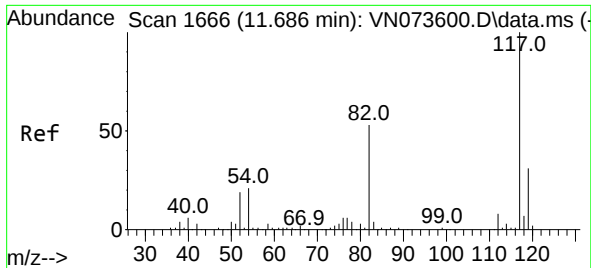
Tgt Ion:129 Resp: 4502
Ion Ratio Lower Upper
129 100
127 69.7 39.0 117.0



#56
Bromoform
Concen: 0.213 ug/l
RT: 12.398 min Scan# 1787
Delta R.T. -0.000 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion:173 Resp: 976
Ion Ratio Lower Upper
173 100
175 50.2 38.6 58.0
254 0.0 0.0 0.0

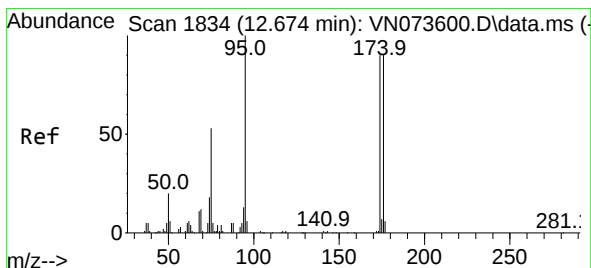
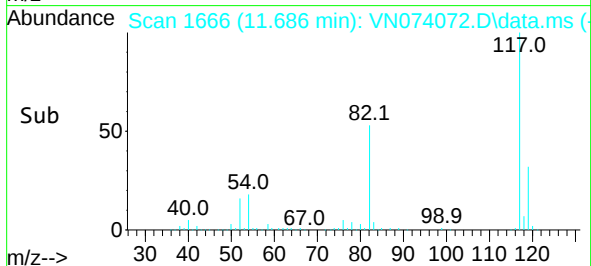
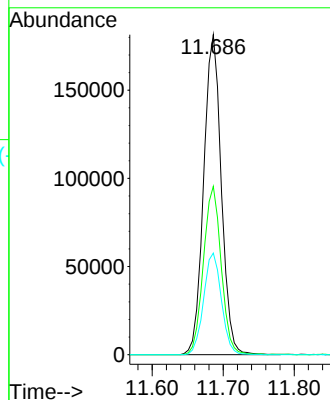
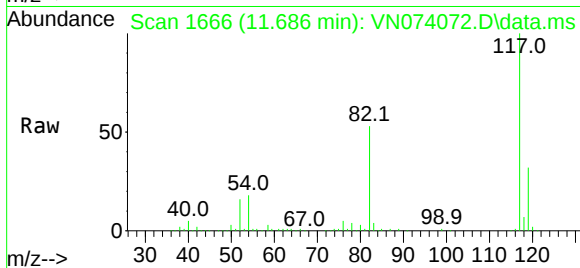




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

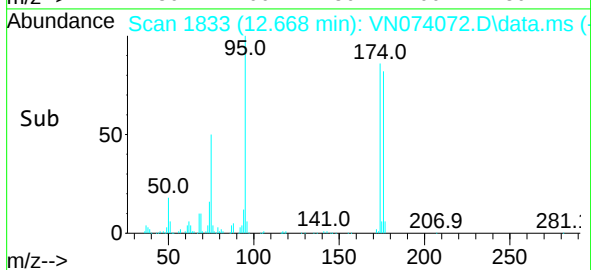
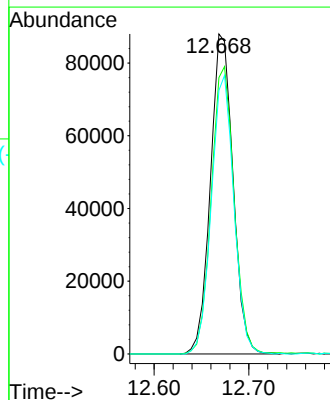
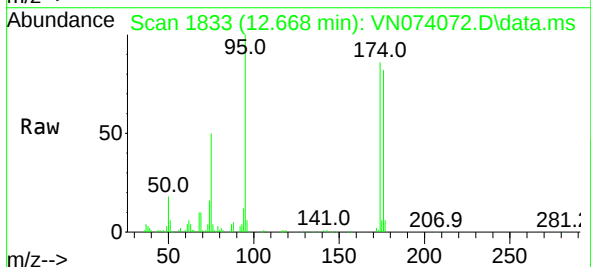
Instrument :
MSVOA_N
ClientSampleId :
DSN-002-SEWER-OUTLET-002DL

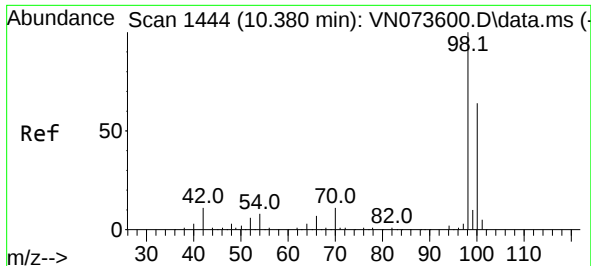
Tgt Ion:117 Resp: 313463
Ion Ratio Lower Upper
117 100
82 52.9 43.6 65.4
119 32.1 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 26.341 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion: 95 Resp: 146199
Ion Ratio Lower Upper
95 100
174 90.6 62.9 94.3
176 86.3 61.0 91.4

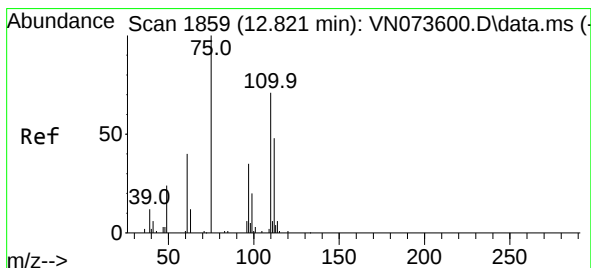
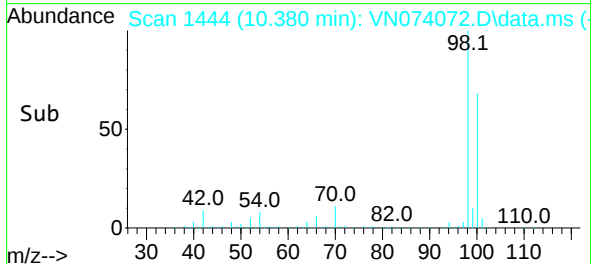
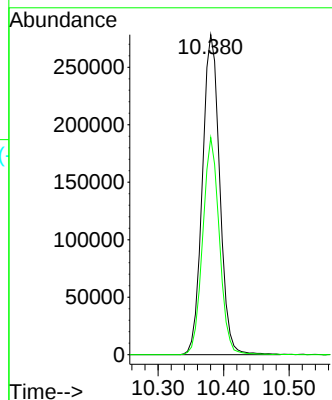
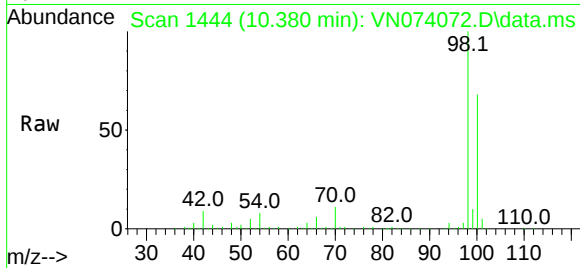




#63
Toluene-d8
Concen: 29.058 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

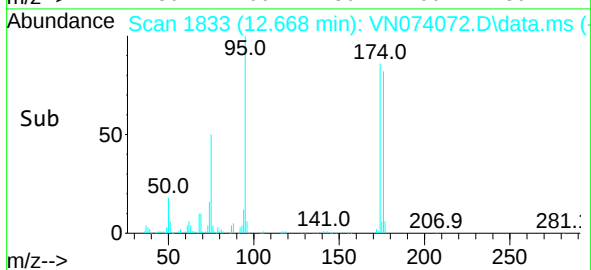
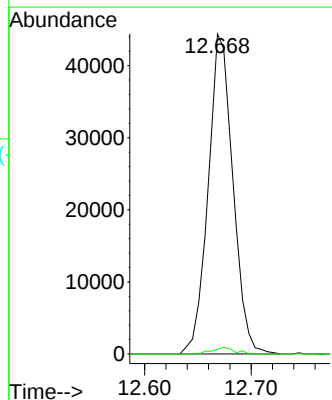
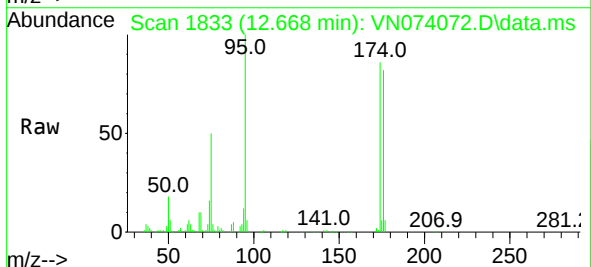
Instrument : MSVOA_N
ClientSampleId : DSN-002-SEWER-OUTLET-002DL

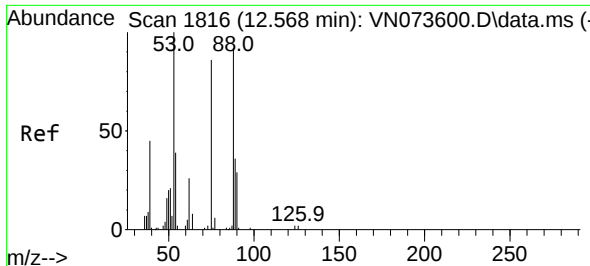
Tgt Ion: 98 Resp: 512885
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 10.789 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion: 75 Resp: 71665
Ion Ratio Lower Upper
75 100
77 1.8 0.0 378.0

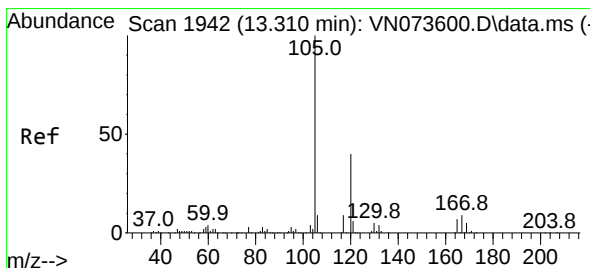
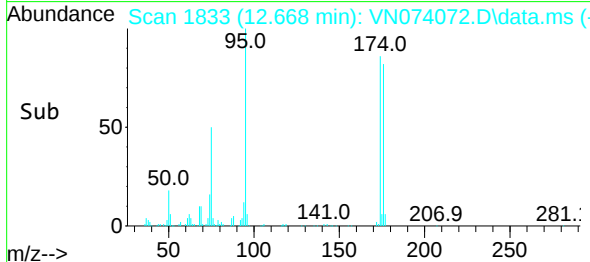
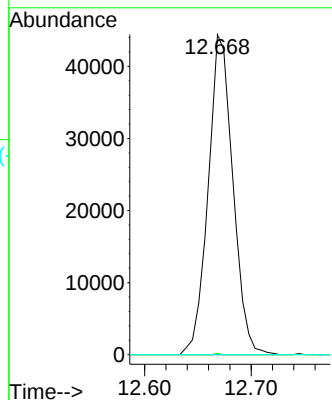
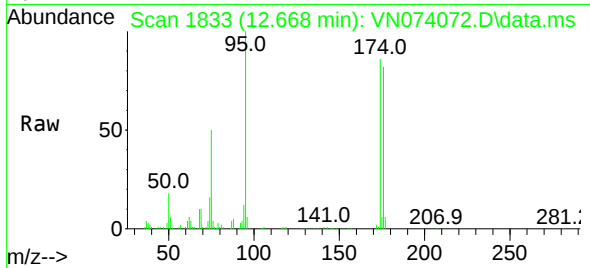




#77
t-1,4-Dichloro-2-butene
Concen: 29.605 ug/l
RT: 12.668 min Scan# 1816
Delta R.T. 0.100 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

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

Tgt Ion: 75 Resp: 71665
Ion Ratio Lower Upper
75 100
53 0.4 51.8 155.5#
89 0.0 22.9 68.7#



#80
1,2,4-Trimethylbenzene
Concen: 0.223 ug/l
RT: 13.327 min Scan# 1945
Delta R.T. 0.018 min
Lab File: VN074072.D
Acq: 23 Aug 2022 16:50

Tgt Ion: 105 Resp: 4187
Ion Ratio Lower Upper
105 100
120 0.0 0.0 0.2

