

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074073.D
 Acq On : 23 Aug 2022 17:15
 Operator : JC\MD
 Sample : N4276-01DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 24 07:51:19 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)

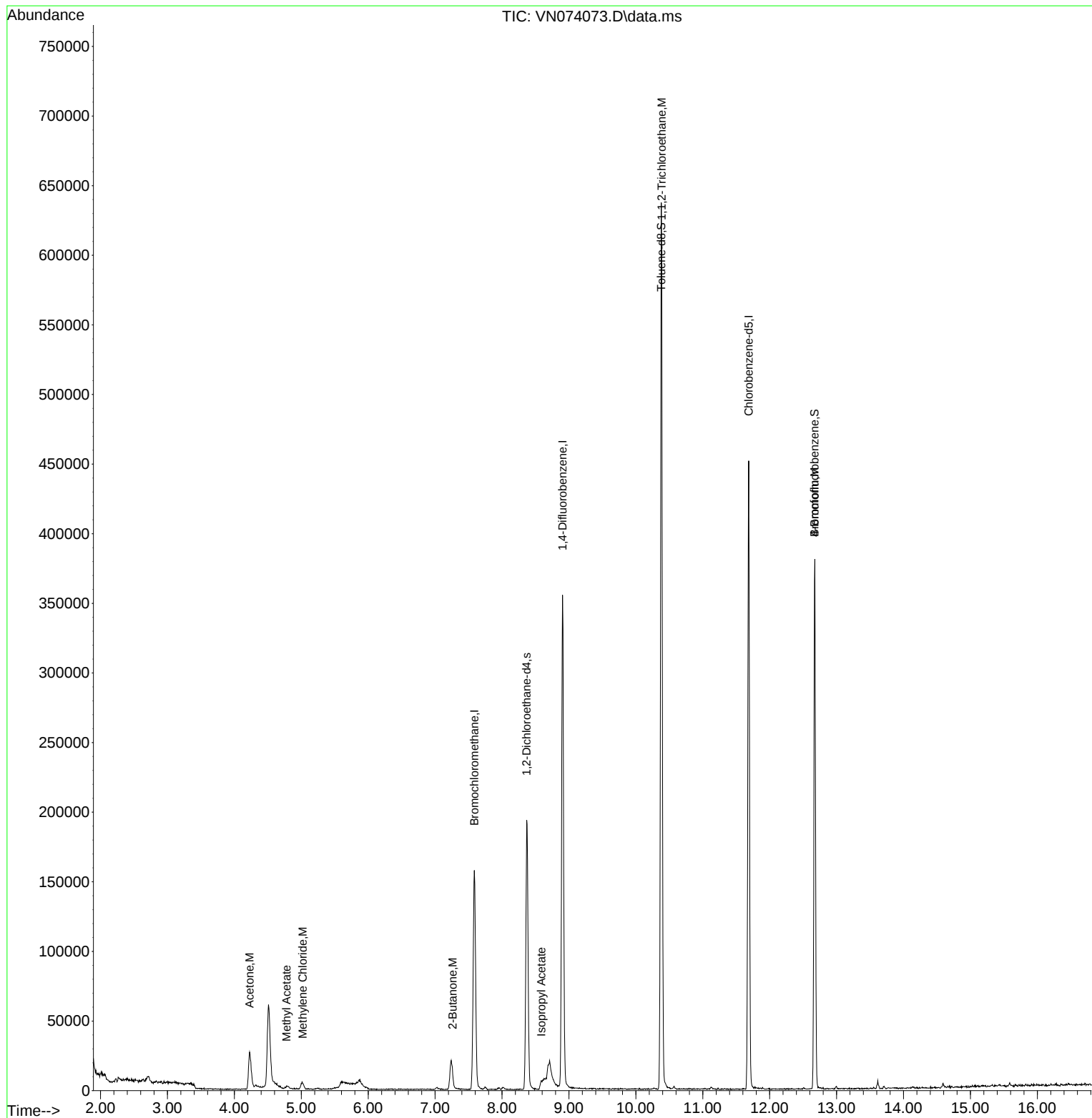
Internal Standards						
1) Bromochloromethane	7.587	128	64642	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	326063	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	276896	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	162087	29.001	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.667%		
60) 4-Bromofluorobenzene	12.669	95	126986	25.900	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	86.333%		
63) Toluene-d8	10.381	98	455301	29.202	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.333%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.781	43	2253	0.328	ug/l	99
15) Acetone	4.228	58	16921	19.174	ug/l	75
18) Methylene Chloride	5.022	84	4052	0.790	ug/l #	75
30) 2-Butanone	7.263	43	1008	0.239	ug/l #	61
44) Isopropyl Acetate	8.586	43	4589	0.413	ug/l #	50
50) 1,1,2-Trichloroethane	10.386	97	13995	2.764	ug/l #	1
56) Bromoform	12.669	173	814	0.202	ug/l #	1

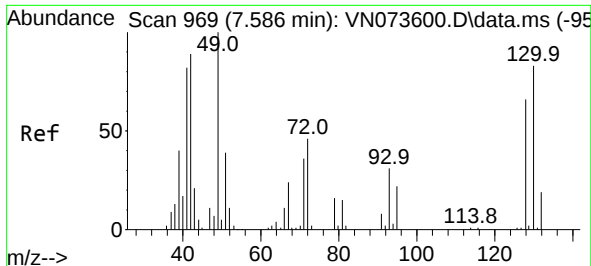
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
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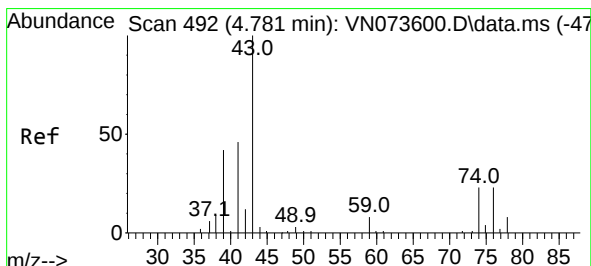
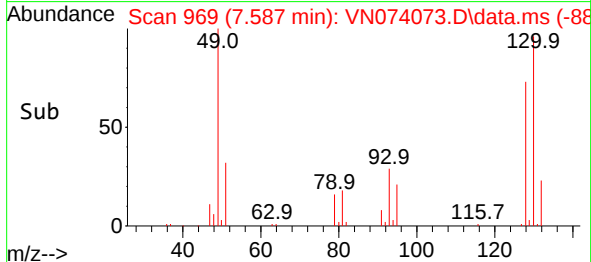
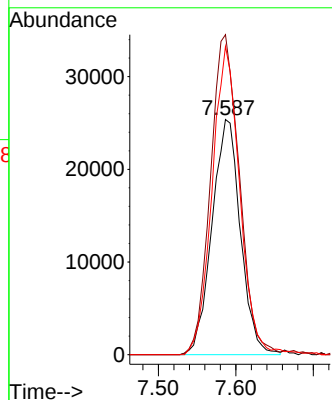
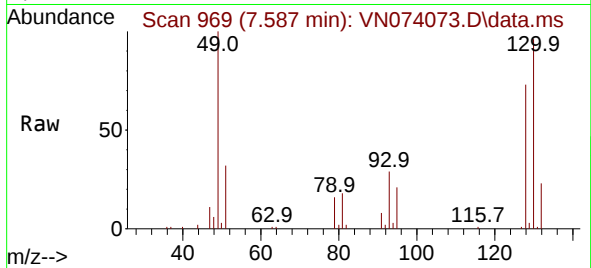




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 969
Delta R.T. 0.001 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

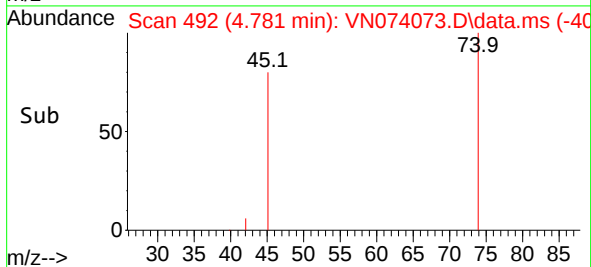
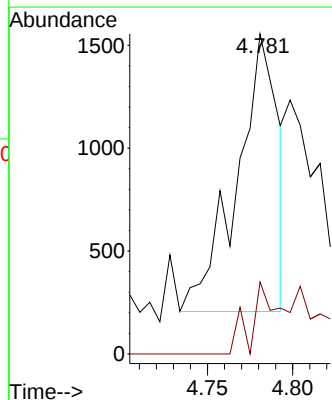
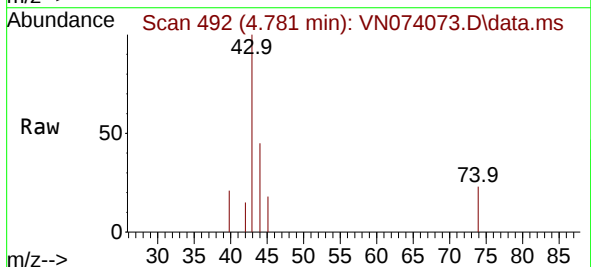
Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-001DL

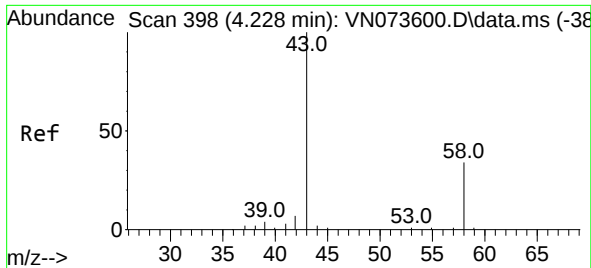
Tgt Ion:128 Resp: 64642
Ion Ratio Lower Upper
128 100
49 138.6 0.0 392.3
130 126.3 0.0 320.2



#12
Methyl Acetate
Concen: 0.328 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
74 26.6 20.8 31.2





#15

Acetone

Concen: 19.174 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.000 min

Lab File: VN074073.D

Acq: 23 Aug 2022 17:15

Instrument :

MSVOA_N

ClientSampleId :

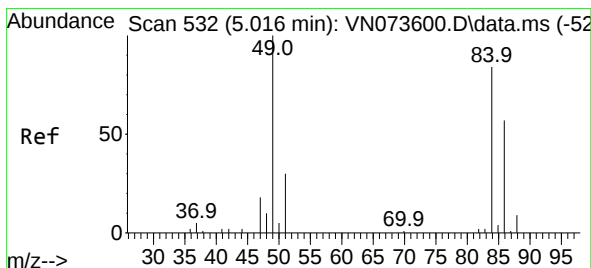
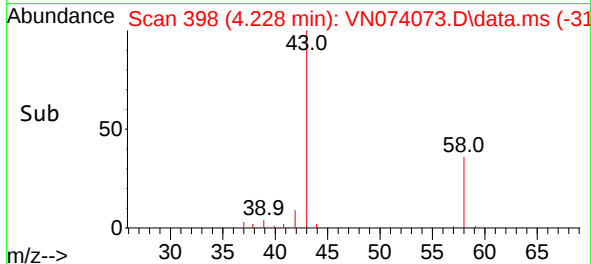
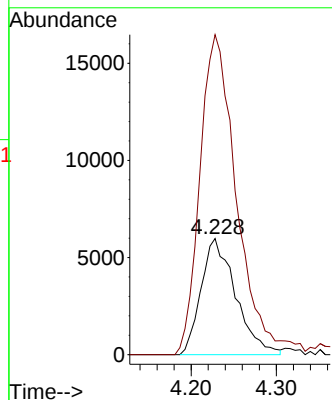
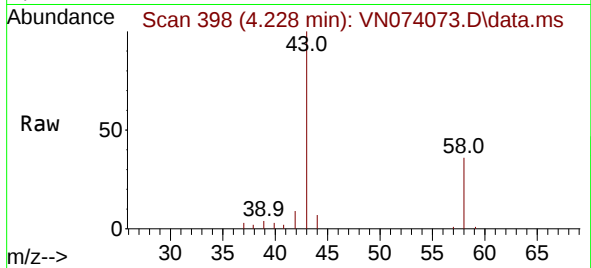
DSN-001-SEWER-OUTLET-001DL

Tgt Ion: 58 Resp: 16921

Ion Ratio Lower Upper

58 100

43 269.4 256.6 384.8



#18

Methylene Chloride

Concen: 0.790 ug/l

RT: 5.022 min Scan# 533

Delta R.T. 0.006 min

Lab File: VN074073.D

Acq: 23 Aug 2022 17:15

Tgt Ion: 84 Resp: 4052

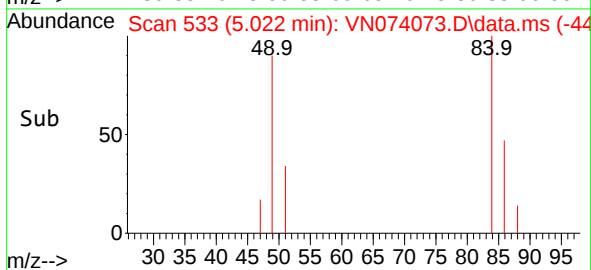
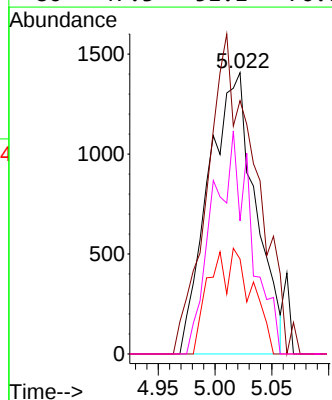
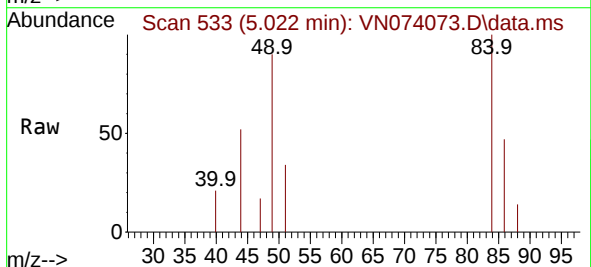
Ion Ratio Lower Upper

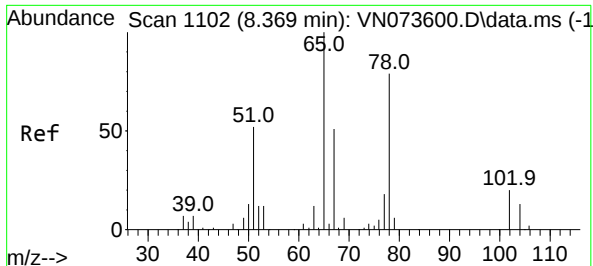
84 100

49 78.6 91.4 137.0#

51 33.8 29.4 44.0

86 47.3 51.1 76.7#





#27

1,2-Dichloroethane-d4

Concen: 29.001 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074073.D

Acq: 23 Aug 2022 17:15

Instrument :

MSVOA_N

ClientSampleId :

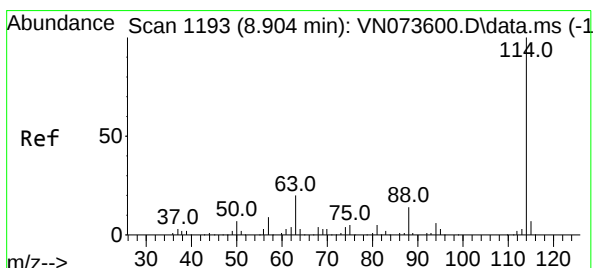
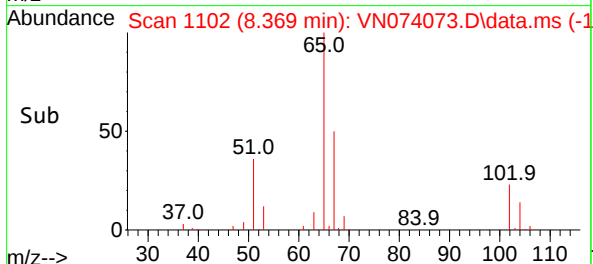
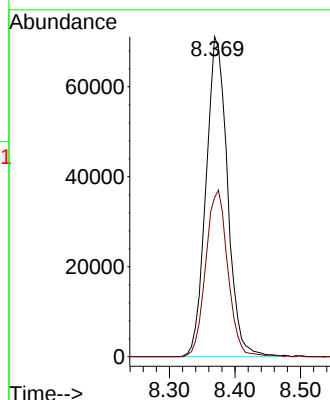
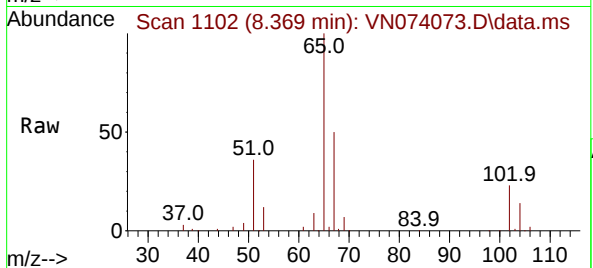
DSN-001-SEWER-OUTLET-001DL

Tgt Ion: 65 Resp: 162087

Ion Ratio Lower Upper

65 100

67 53.4 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: VN074073.D

Acq: 23 Aug 2022 17:15

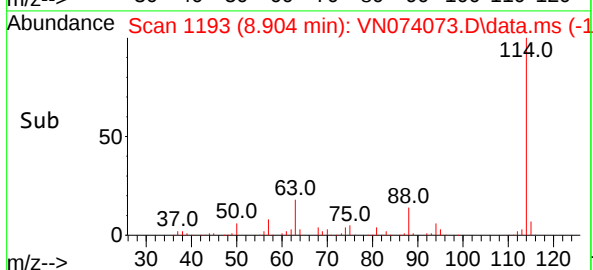
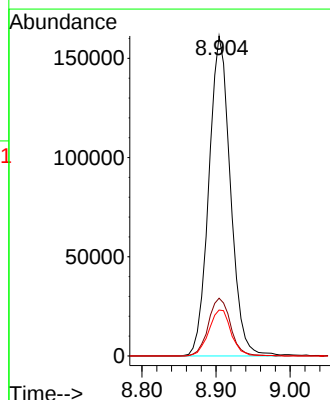
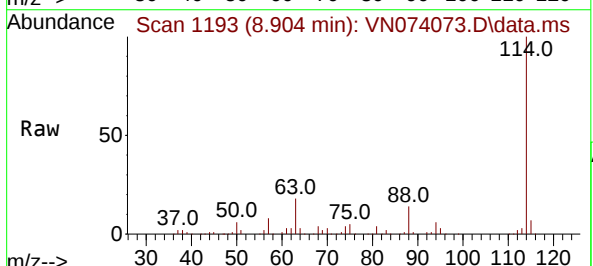
Tgt Ion: 114 Resp: 326063

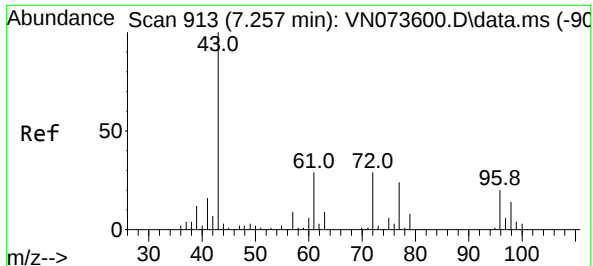
Ion Ratio Lower Upper

114 100

63 18.5 15.8 23.6

88 14.8 11.6 17.4

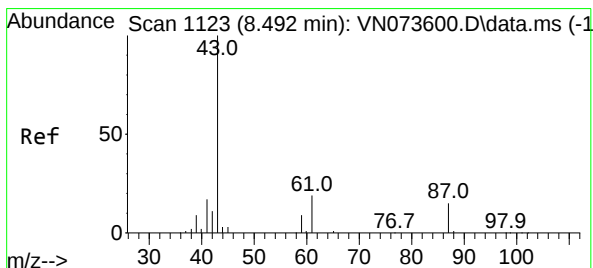
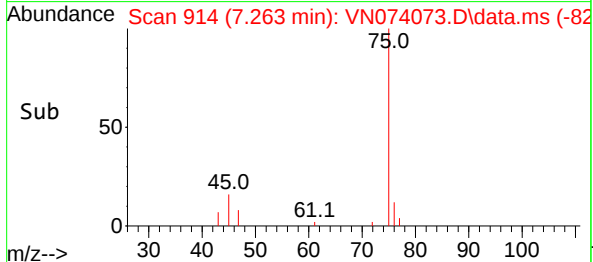
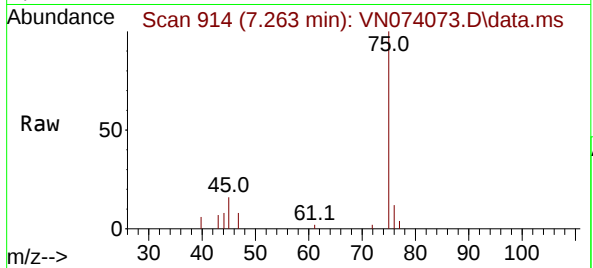




#30
2-Butanone
Concen: 0.239 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

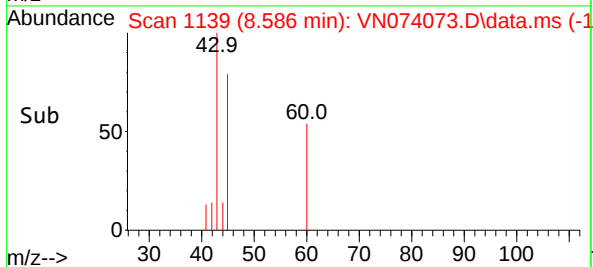
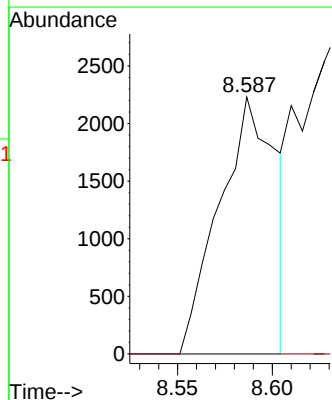
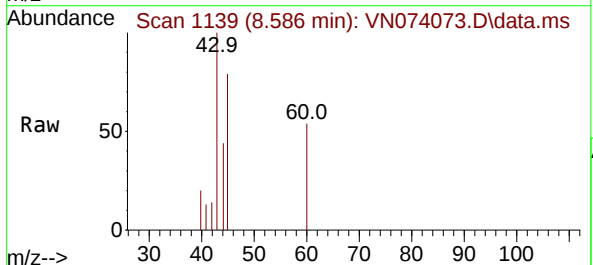
Instrument :
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DSN-001-SEWER-OUTLET-001DL

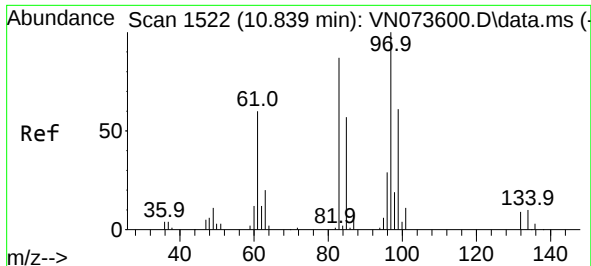
Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 5.7 23.2 34.8#



#44
Isopropyl Acetate
Concen: 0.413 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. 0.094 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

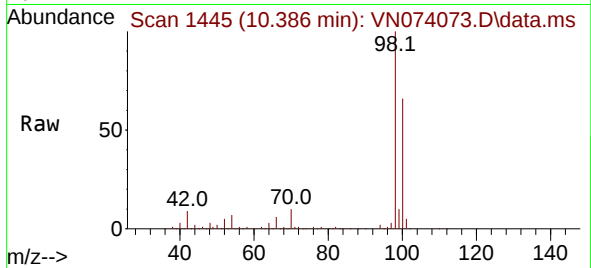
Tgt Ion: 43 Resp: 4589
Ion Ratio Lower Upper
43 100
61 0.0 20.1 30.1#



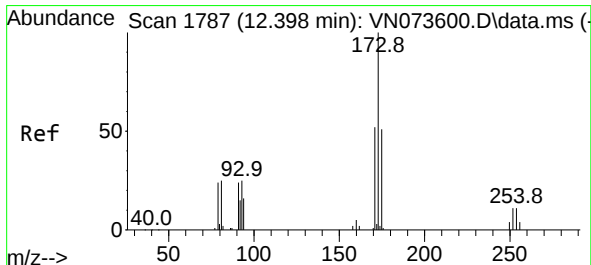
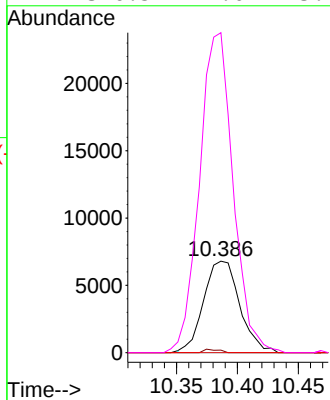
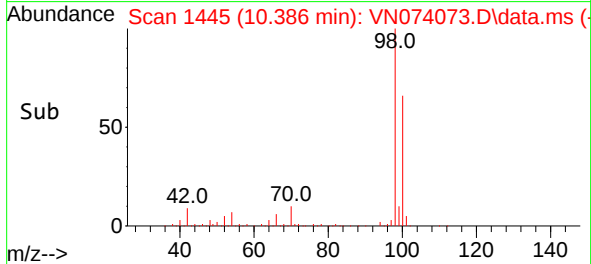


#50
1,1,2-Trichloroethane
Concen: 2.764 ug/l
RT: 10.386 min Scan# 1445
Delta R.T. -0.453 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

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

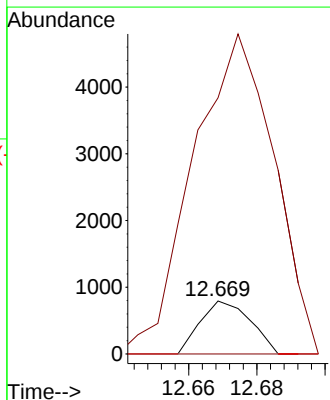
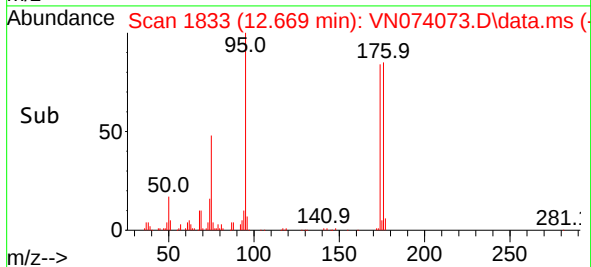
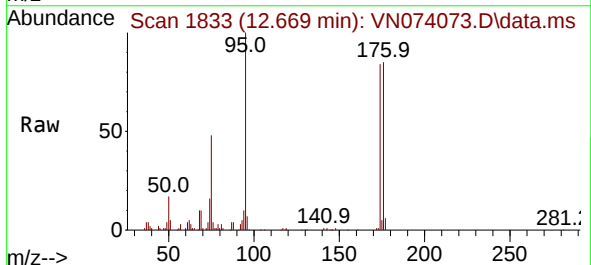


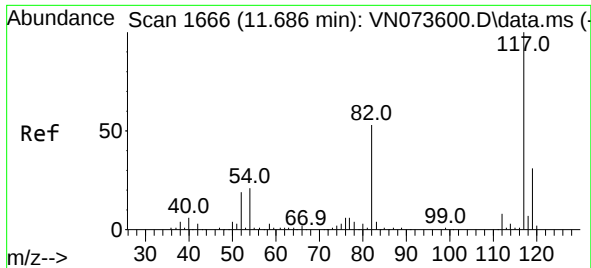
Tgt Ion:	97	Resp:	13995
Ion	Ratio	Lower	Upper
97	100		
83	2.8	67.2	100.8#
85	0.0	43.0	64.4#
99	346.5	49.0	73.4#



#56
Bromoform
Concen: 0.202 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

Tgt Ion:	173	Resp:	814
Ion	Ratio	Lower	Upper
173	100		
175	971.9	38.6	58.0#
254	0.0	0.0	0.0

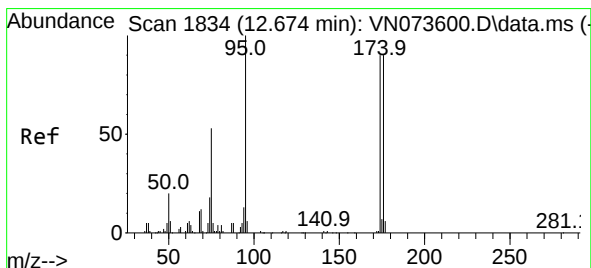
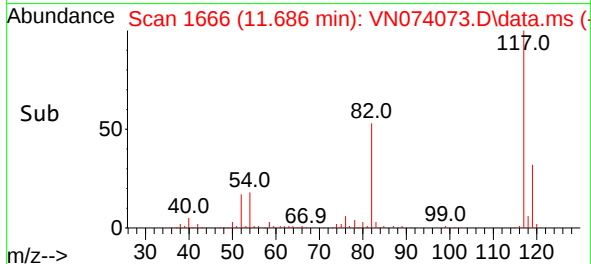
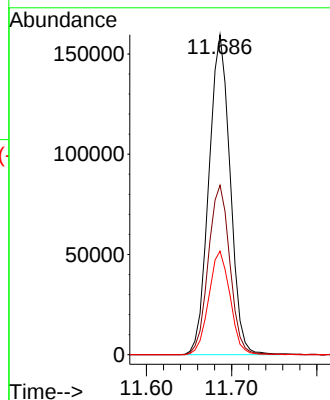
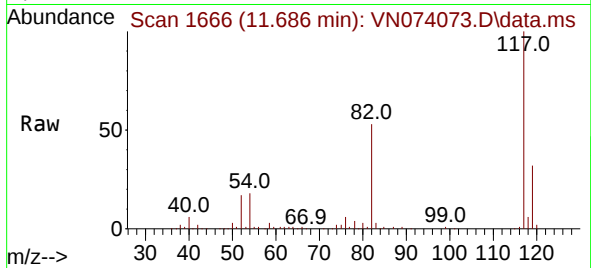




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

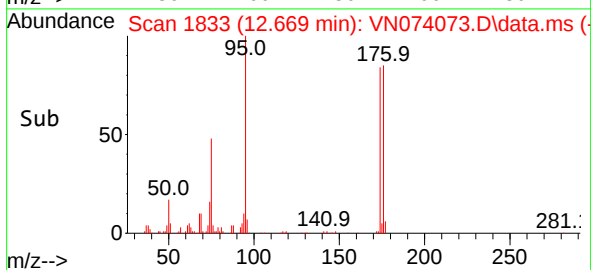
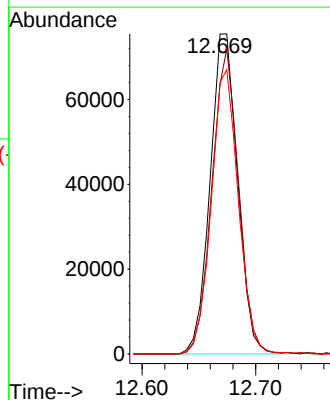
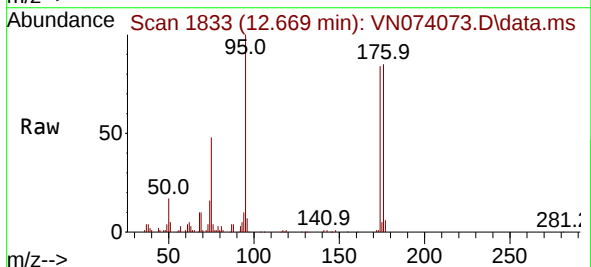
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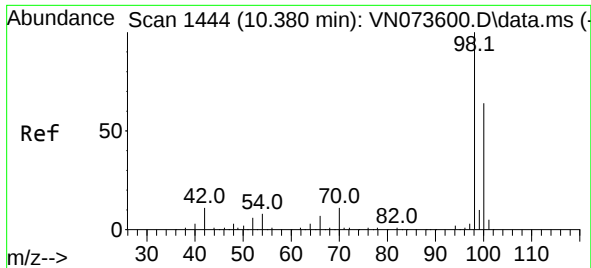
Tgt Ion:117 Resp: 276896
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 32.5 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 25.900 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

Tgt Ion: 95 Resp: 126986
Ion Ratio Lower Upper
95 100
174 92.4 62.9 94.3
176 87.6 61.0 91.4





#63
Toluene-d8
Concen: 29.202 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074073.D
Acq: 23 Aug 2022 17:15

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

Tgt Ion: 98 Resp: 455301
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0

