

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033776.D
 Acq On : 18 Jan 2023 15:56
 Operator : JC/MD
 Sample : 01137-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jan 19 03:30:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

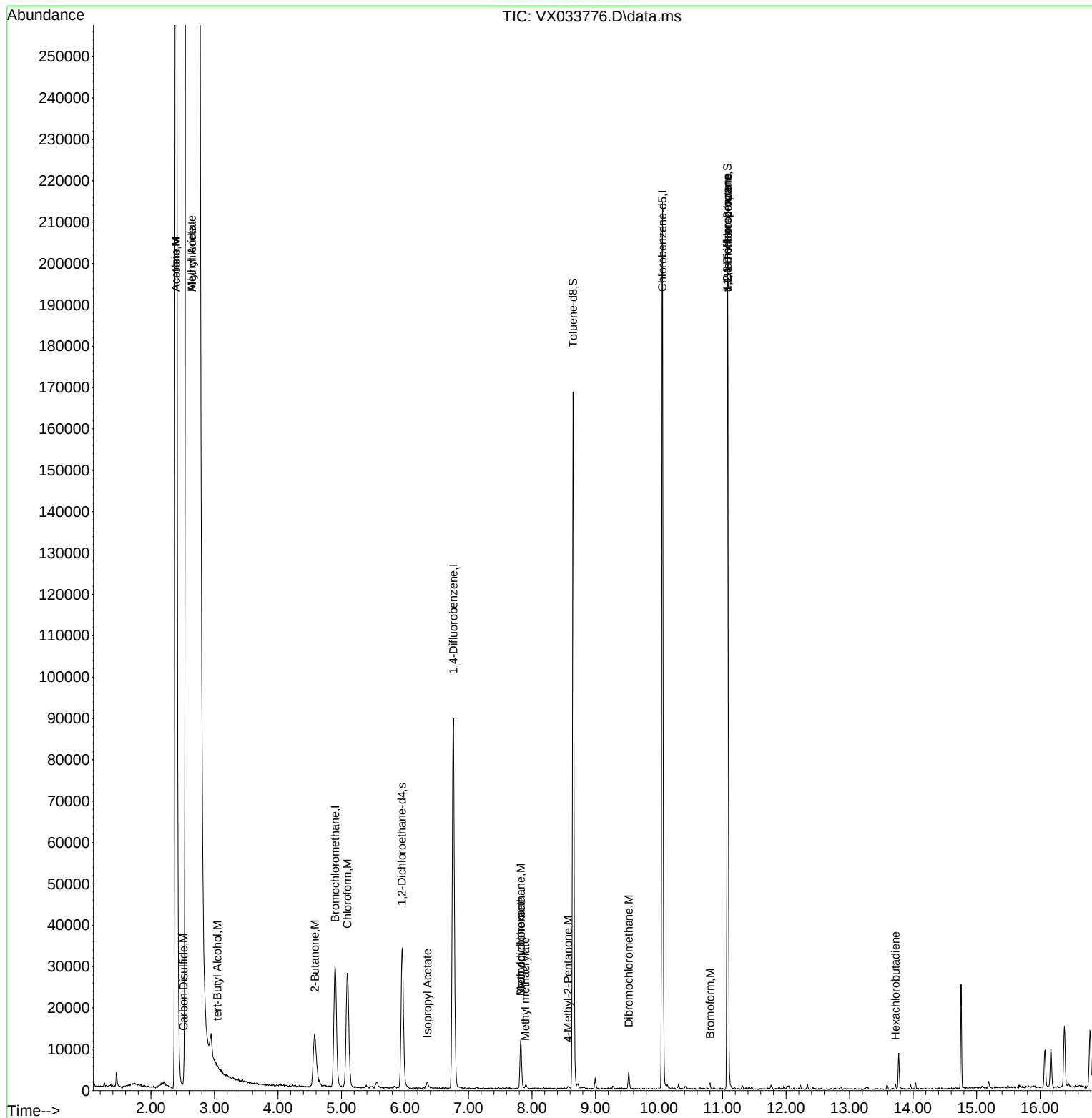
Internal Standards						
1) Bromochloromethane	4.898	128	13736	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	99911	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	105935	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	32385	30.466	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.567%			
60) 4-Bromofluorobenzene	11.079	95	52923	27.945	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.167%			
63) Toluene-d8	8.647	98	100573	29.757	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.200%			
Target Compounds						Qvalue
12) Methyl Acetate	2.642	43	4826760	2265.739	ug/l #	54
13) Acrolein	2.392	56	98	0.411	ug/l #	1
15) Acetone	2.392	58	188644	903.936	ug/l	92
16) Carbon Disulfide	2.514	76	1201	0.401	ug/l #	76
17) Allyl chloride	2.642	41	1961508	890.208	ug/l #	66
23) tert-Butyl Alcohol	3.044	59	355	1.480	ug/l #	1
25) Chloroform	5.093	83	34485	14.507	ug/l	99
30) 2-Butanone	4.581	43	8678	8.185	ug/l #	97
38) Methylcyclohexane	7.824	83	7427	3.217	ug/l #	17
41) Bromodichloromethane	7.824	83	7574	4.006	ug/l	87
44) Isopropyl Acetate	6.355	43	872	0.277	ug/l	94
46) Methyl methacrylate	7.897	41	482	0.301	ug/l #	33
53) Dibromochloromethane	9.525	129	1872	1.166	ug/l	95
56) Bromoform	10.805	173	648	0.520	ug/l #	81
58) 4-Methyl-2-Pentanone	8.568	43	1169	0.614	ug/l #	45
72) 1,2,3-Trichloropropane	11.079	75	26398	14.125	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	26398	45.972	ug/l #	6
90) Hexachlorobutadiene	13.725	225	243	0.231	ug/l	87

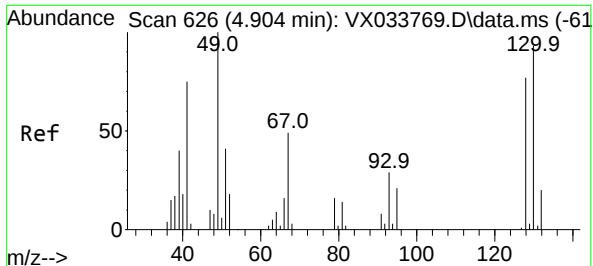
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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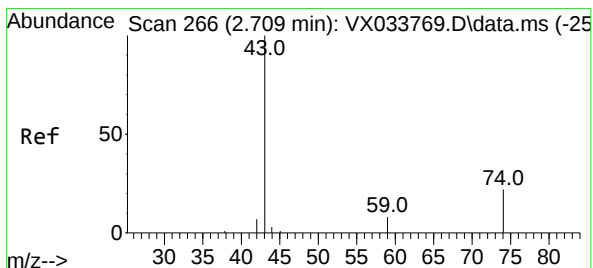
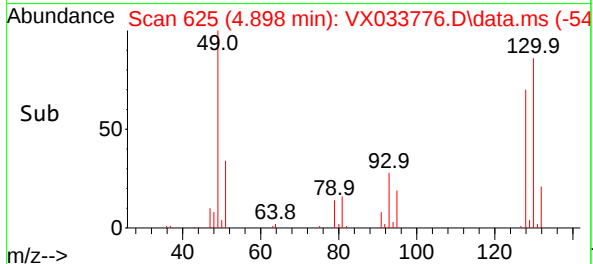
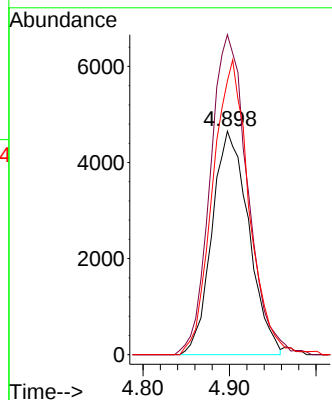
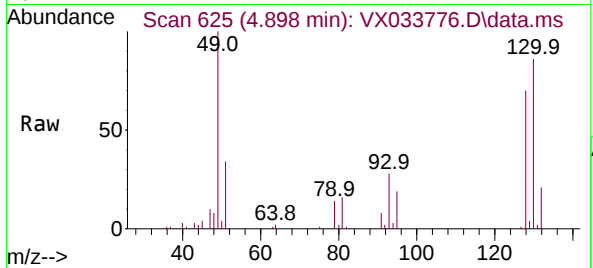




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

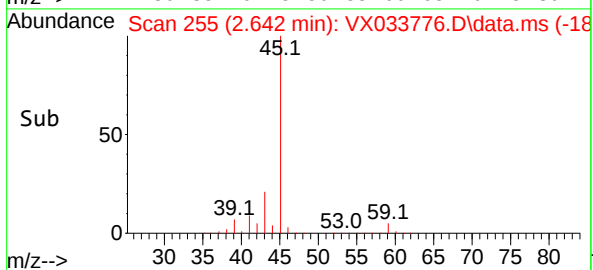
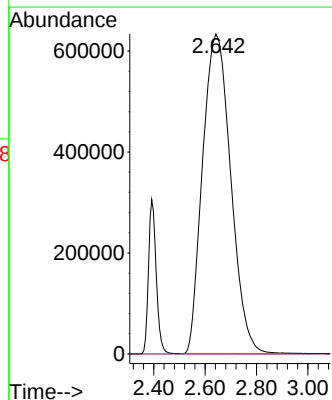
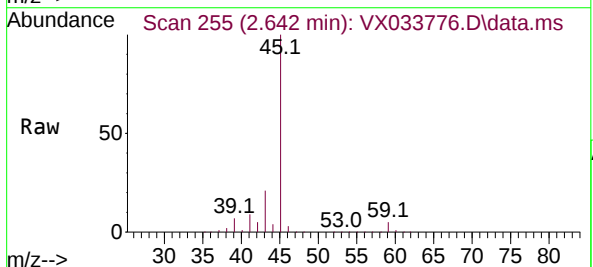
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

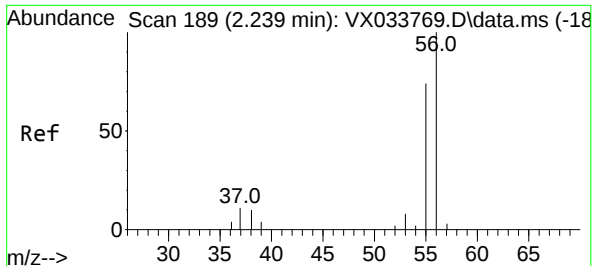
Tgt Ion:128 Resp: 13736
Ion Ratio Lower Upper
128 100
49 145.2 0.0 369.0
130 130.0 0.0 327.5



#12
Methyl Acetate
Concen: 2265.739 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.067 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

Tgt Ion: 43 Resp: 4826760
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#





#13

Acrolein

Concen: 0.411 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.152 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

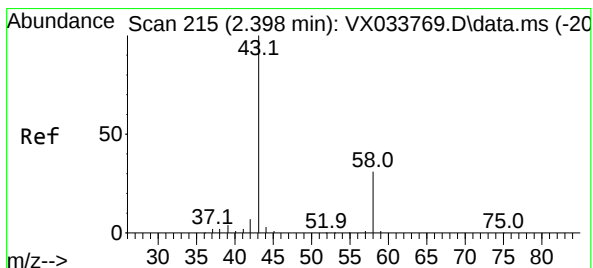
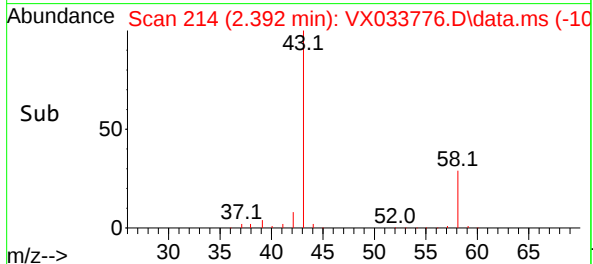
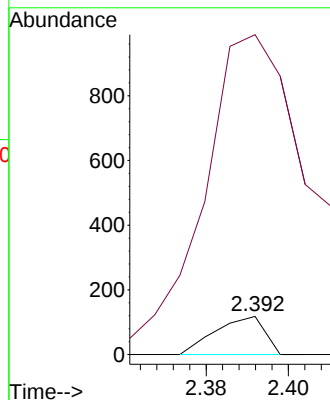
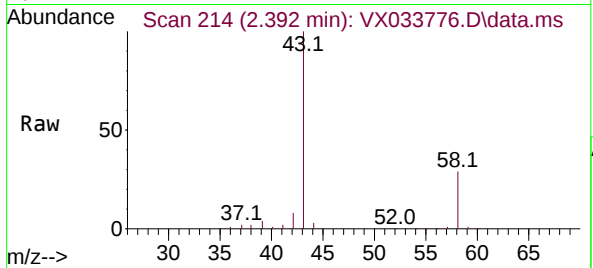
Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001

Tgt Ion: 56 Resp: 98
 Ion Ratio Lower Upper
 56 100
 55 2020.4 58.8 88.2#



#15

Acetone

Concen: 903.936 ug/l

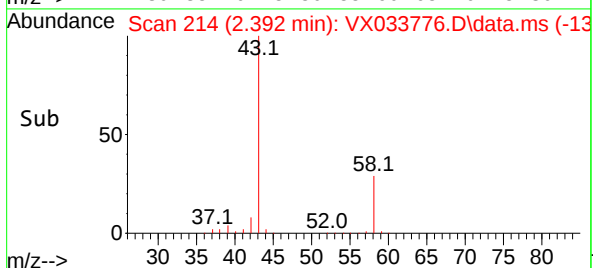
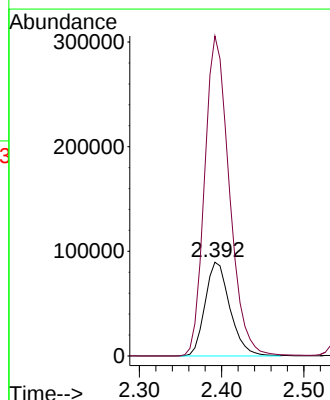
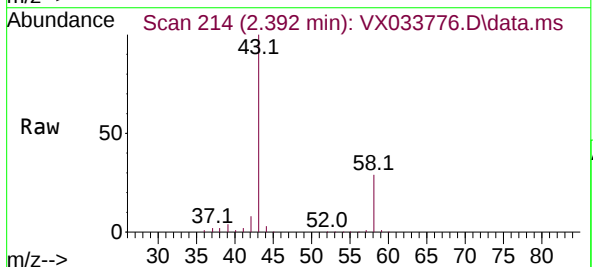
RT: 2.392 min Scan# 214

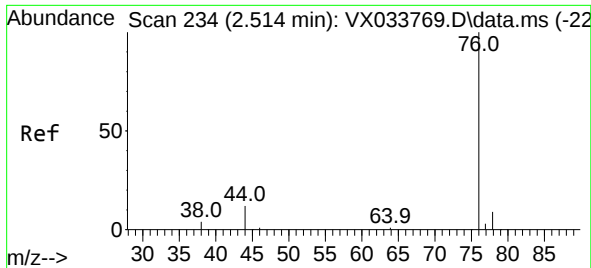
Delta R.T. -0.006 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

Tgt Ion: 58 Resp: 188644
 Ion Ratio Lower Upper
 58 100
 43 340.8 258.6 388.0

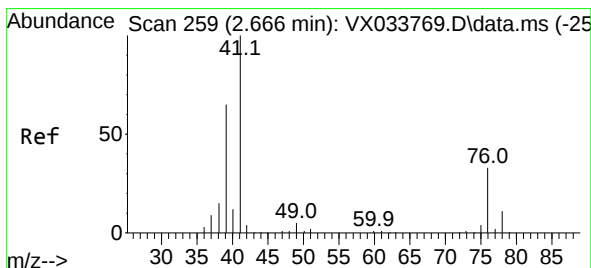
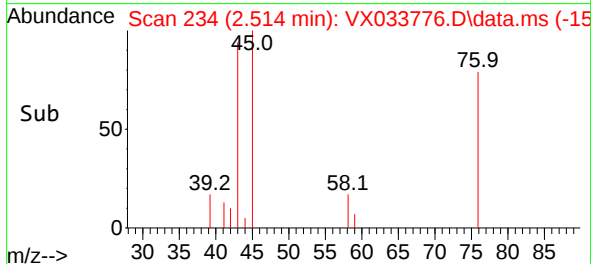
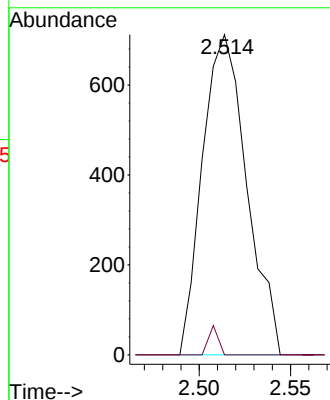
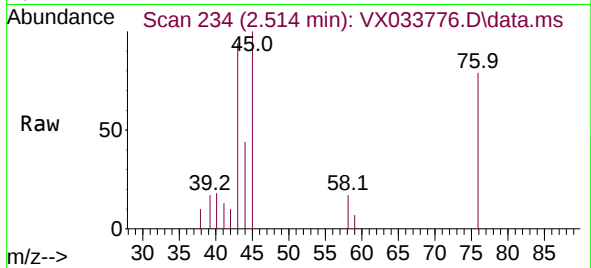




#16
Carbon Disulfide
Concen: 0.401 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

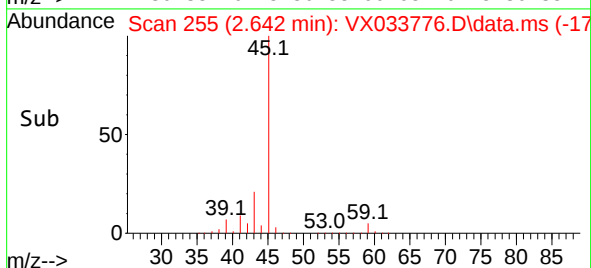
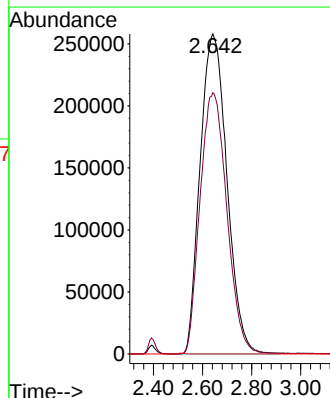
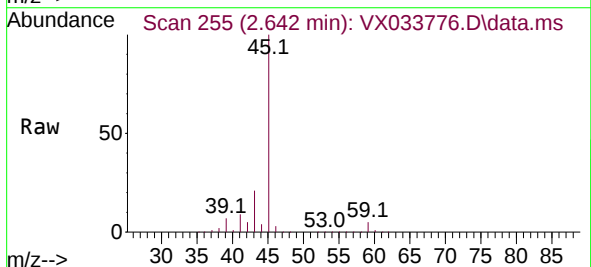
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

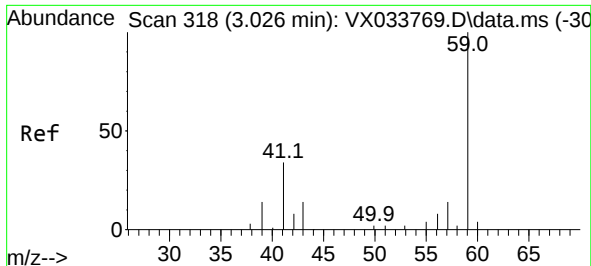
Tgt Ion: 76 Resp: 1201
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#17
Allyl chloride
Concen: 890.208 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.024 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

Tgt Ion: 41 Resp: 1961508
Ion Ratio Lower Upper
41 100
39 81.7 32.5 97.4
76 0.0 16.6 49.8#

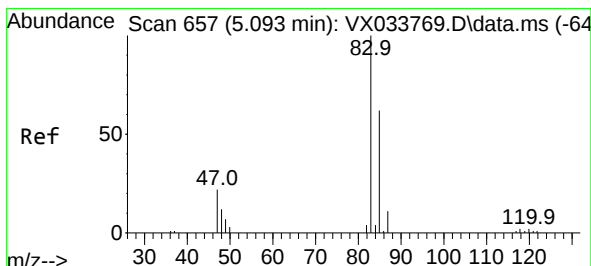
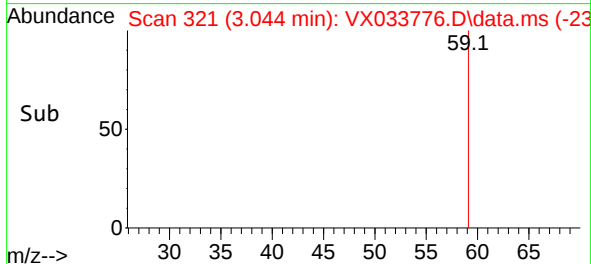
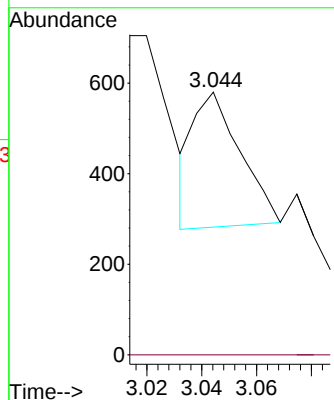
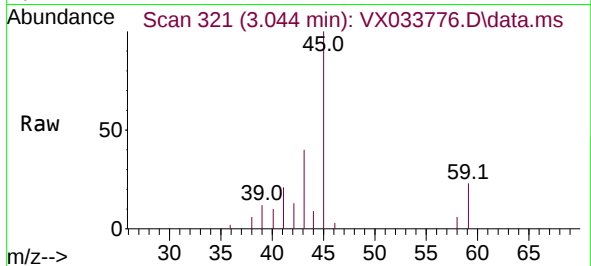




#23
tert-Butyl Alcohol
Concen: 1.480 ug/l
RT: 3.044 min Scan# 318
Delta R.T. 0.018 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

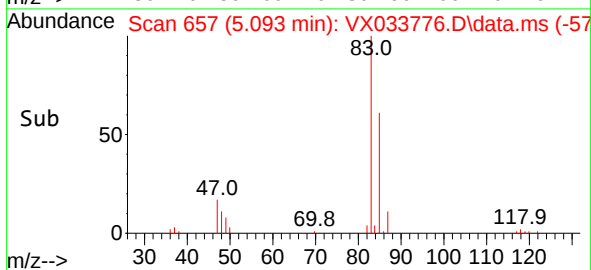
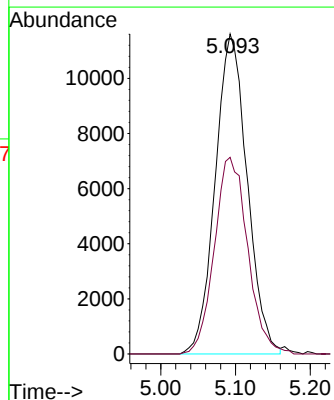
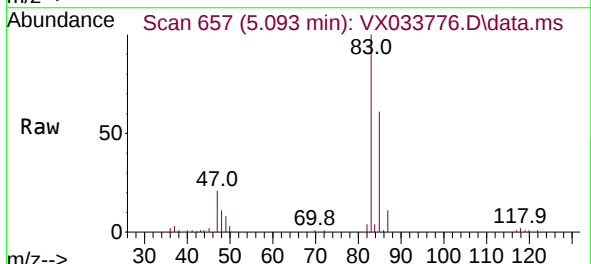
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

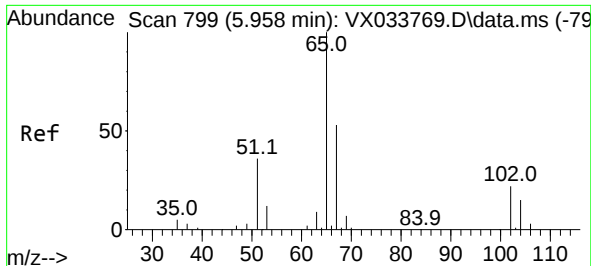
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
52 0.0 186.7 280.1#



#25
Chloroform
Concen: 14.507 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

Tgt Ion: 83 Resp: 34485
Ion Ratio Lower Upper
83 100
85 61.4 49.7 74.5

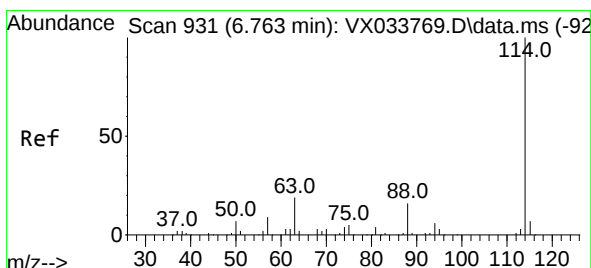
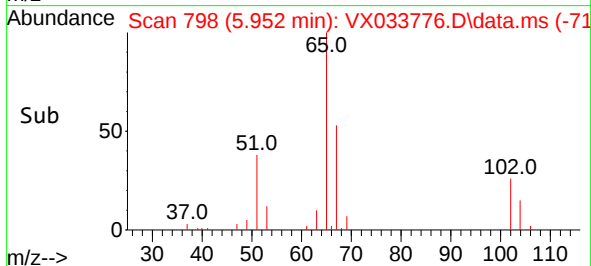
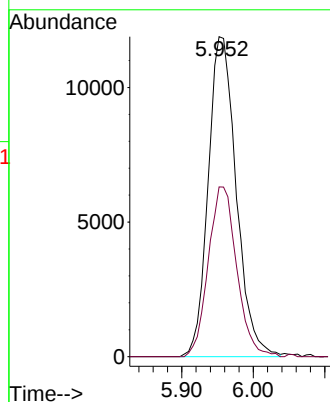
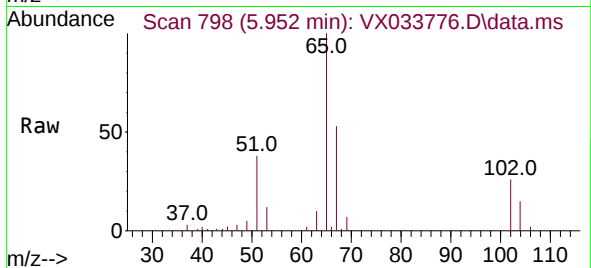




#27
 1,2-Dichloroethane-d4
 Concen: 30.466 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX033776.D
 Acq: 18 Jan 2023 15:56

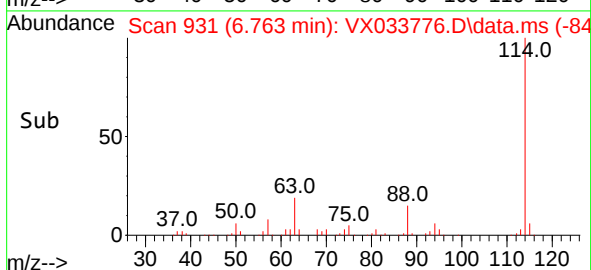
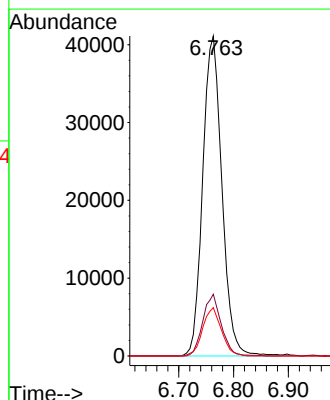
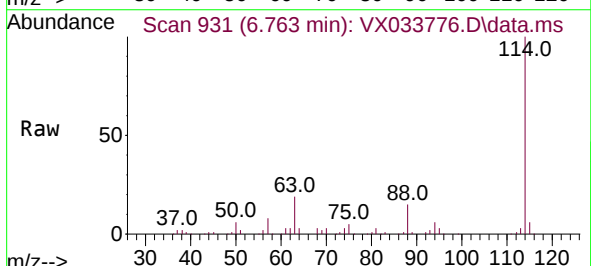
Instrument :
 MSVOA_X
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 DSN-001-SEWER-OUTLET-001

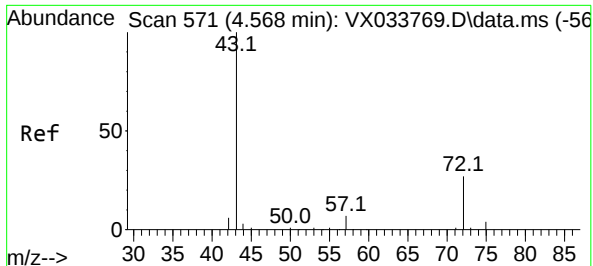
Tgt Ion: 65 Resp: 32385
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.0 64.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX033776.D
 Acq: 18 Jan 2023 15:56

Tgt Ion: 114 Resp: 99911
 Ion Ratio Lower Upper
 114 100
 63 18.4 15.2 22.8
 88 14.7 12.4 18.6





#30

2-Butanone

Concen: 8.185 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001

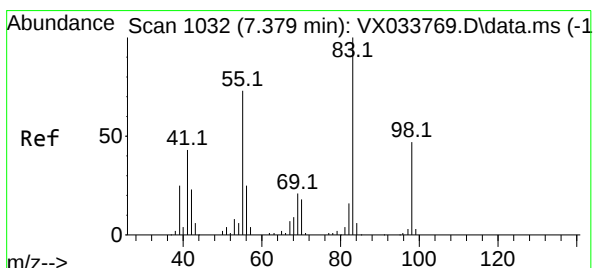
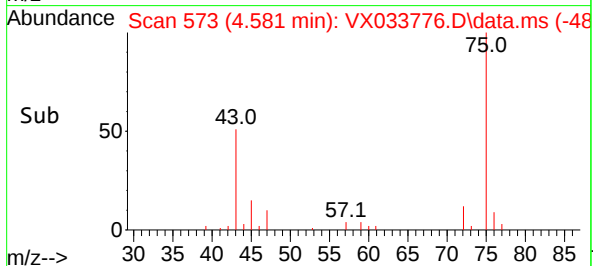
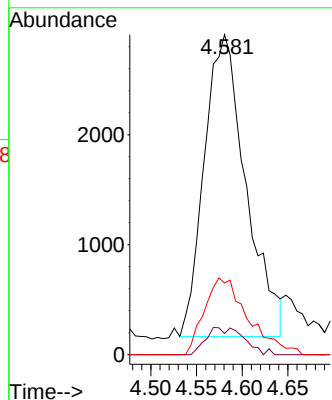
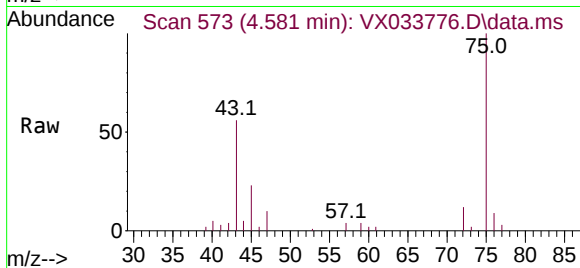
Tgt Ion: 43 Resp: 8678

Ion Ratio Lower Upper

43 100

57 4.2 6.0 9.0#

72 25.1 20.6 30.8



#38

Methylcyclohexane

Concen: 3.217 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.445 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

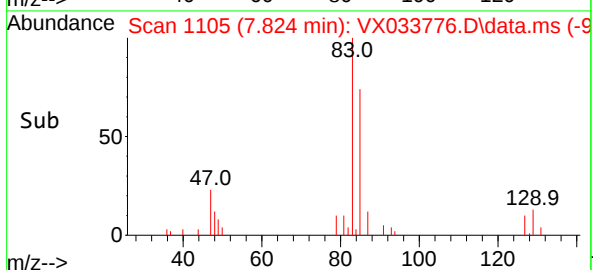
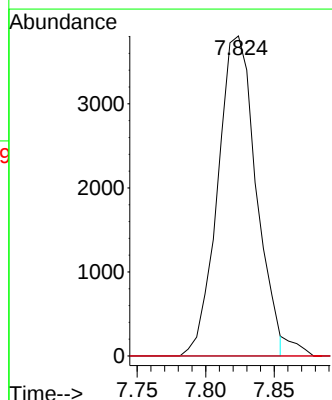
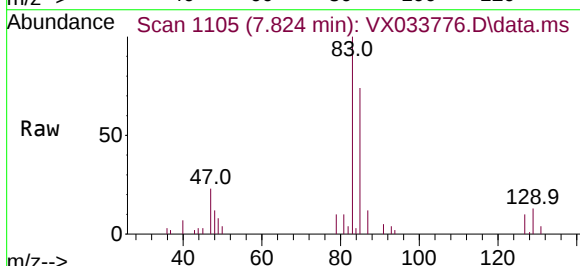
Tgt Ion: 83 Resp: 7427

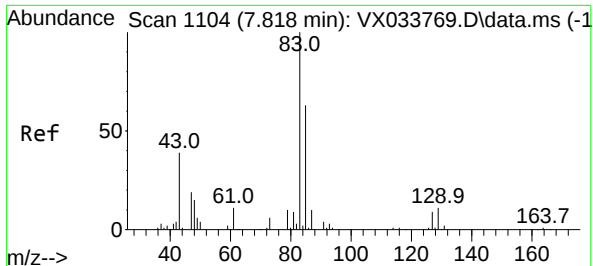
Ion Ratio Lower Upper

83 100

55 0.0 38.9 116.6#

98 0.0 25.4 76.4#

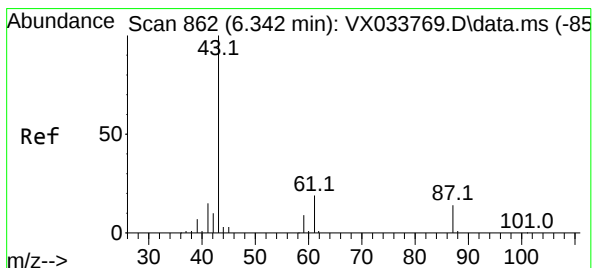
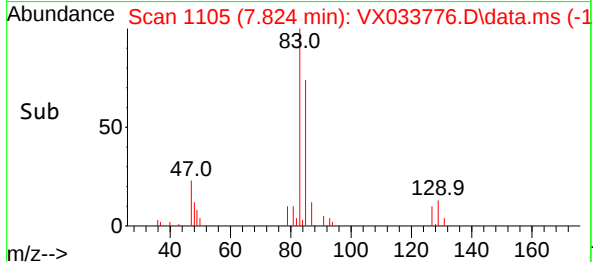
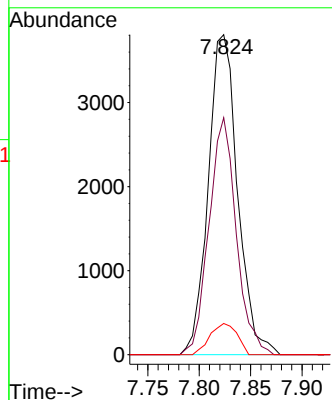
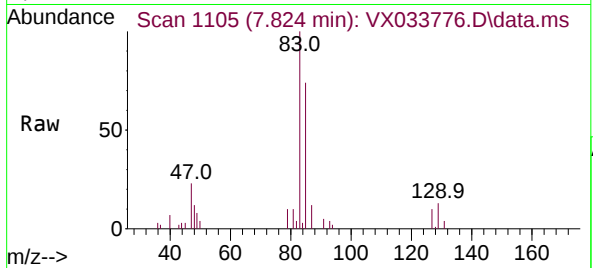




#41
Bromodichloromethane
Concen: 4.006 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

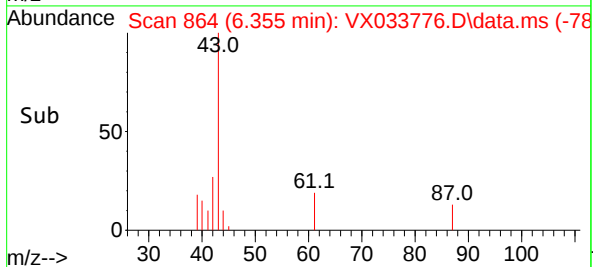
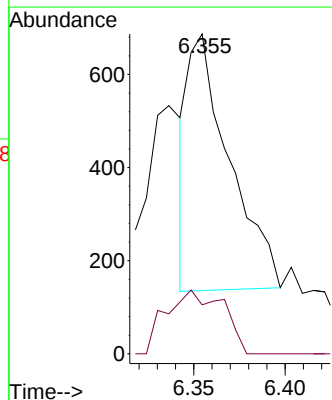
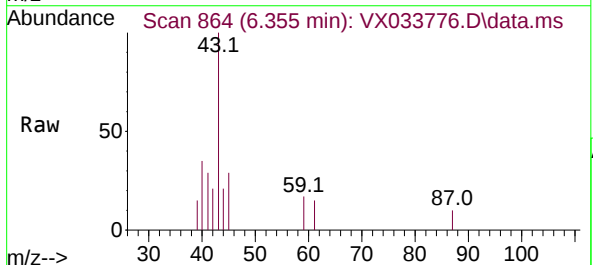
Instrument :
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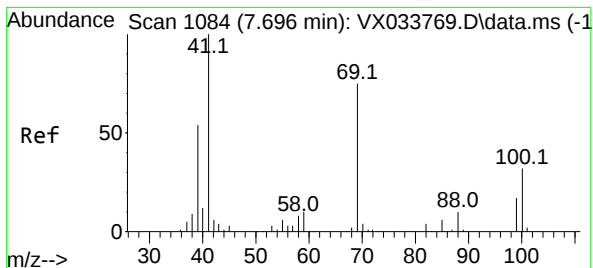
Tgt Ion: 83 Resp: 7574
Ion Ratio Lower Upper
83 100
85 74.1 50.5 75.7
127 9.8 7.2 10.8



#44
Isopropyl Acetate
Concen: 0.277 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
61 22.4 15.6 23.4





#46

Methyl methacrylate

Concen: 0.301 ug/l

RT: 7.897 min Scan# 1117

Delta R.T. 0.201 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001

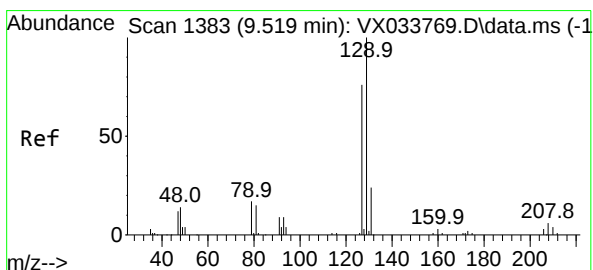
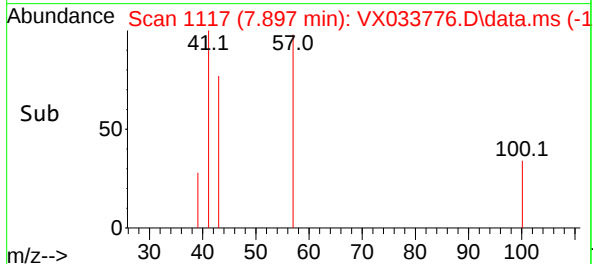
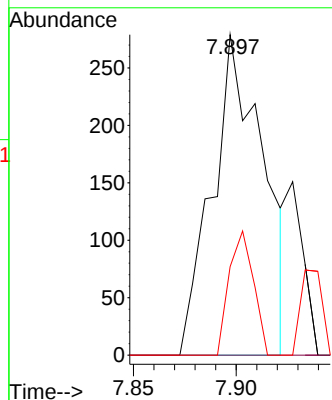
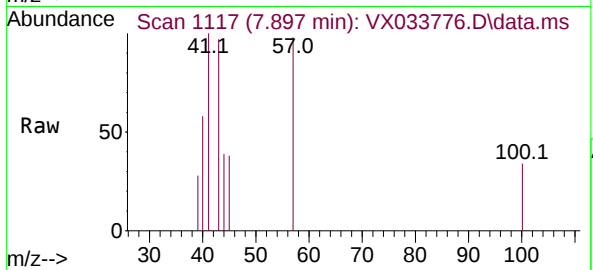
Tgt Ion: 41 Resp: 482

Ion Ratio Lower Upper

41 100

69 0.0 37.4 112.2#

39 27.6 27.2 81.5



#53

Dibromochloromethane

Concen: 1.166 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX033776.D

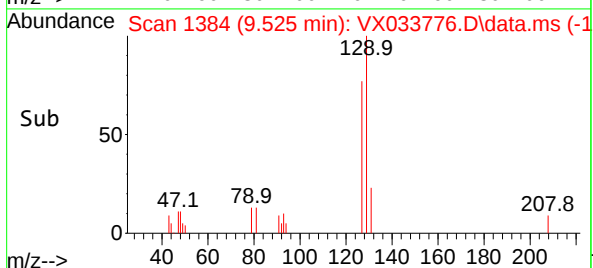
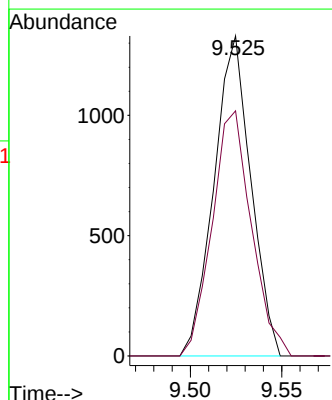
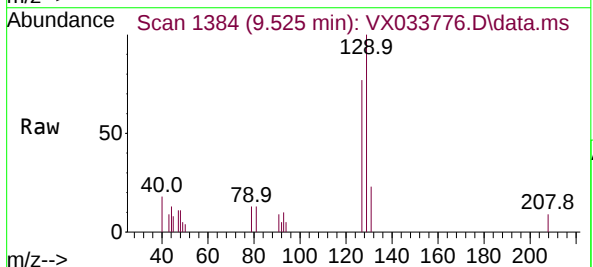
Acq: 18 Jan 2023 15:56

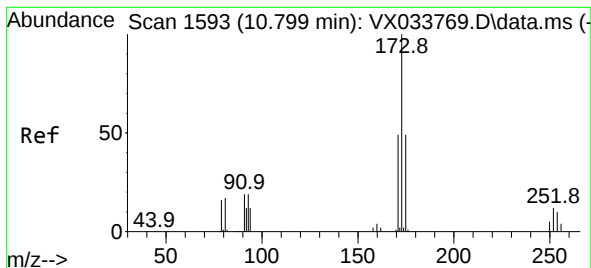
Tgt Ion: 129 Resp: 1872

Ion Ratio Lower Upper

129 100

127 81.5 38.6 116.0





#56

Bromoform

Concen: 0.520 ug/l

RT: 10.805 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

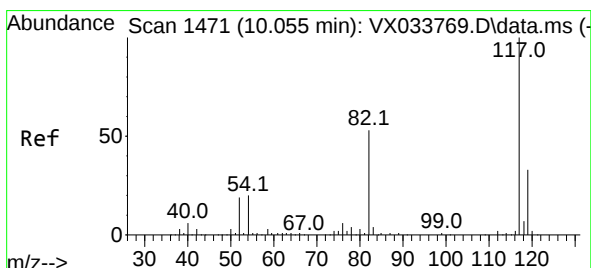
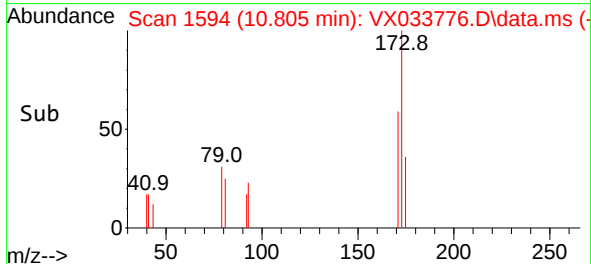
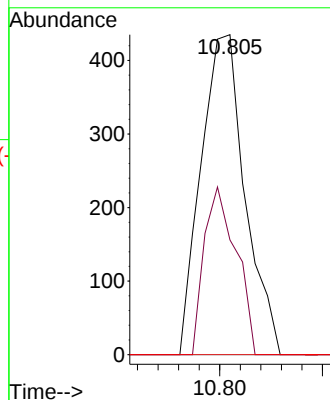
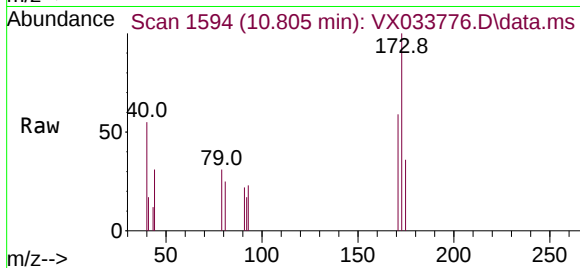
Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001

Tgt Ion:173	Resp:	648
Ion Ratio	Lower	Upper
173	100	
175	38.1	39.8 59.6#
254	0.0	9.0 13.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

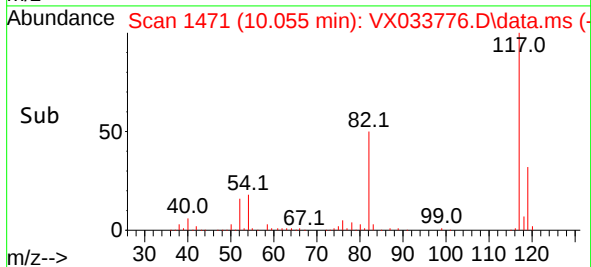
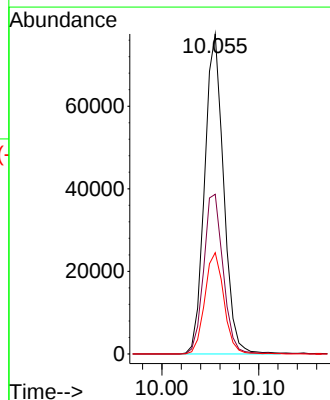
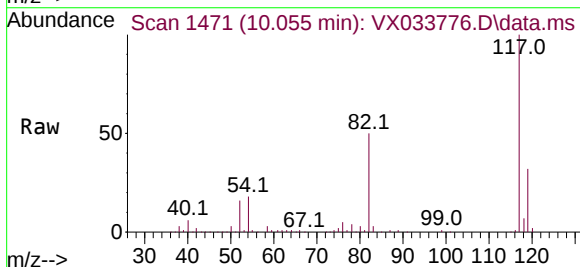
RT: 10.055 min Scan# 1471

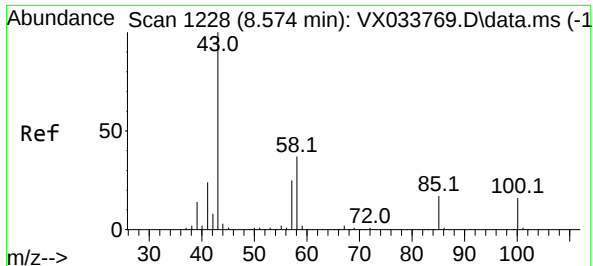
Delta R.T. 0.000 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

Tgt Ion:117	Resp:	105935
Ion Ratio	Lower	Upper
117	100	
82	51.0	42.6 64.0
119	31.9	26.4 39.6

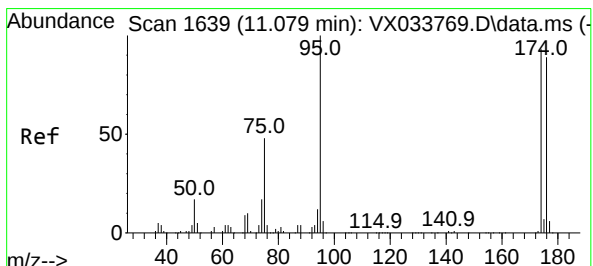
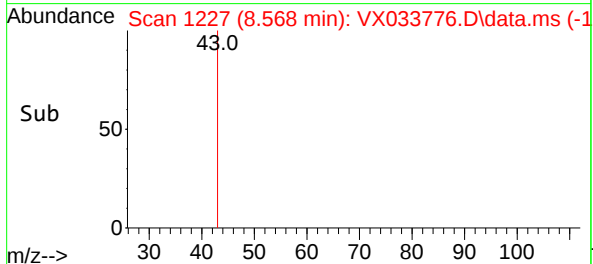
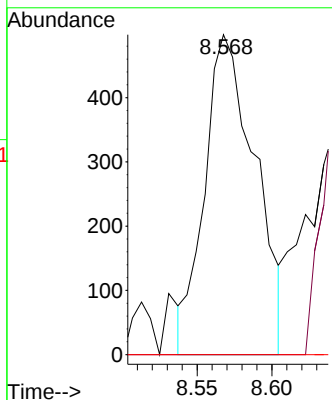
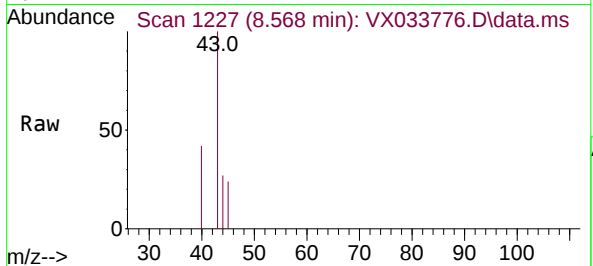




#58
4-Methyl-2-Pentanone
Concen: 0.614 ug/l
RT: 8.568 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

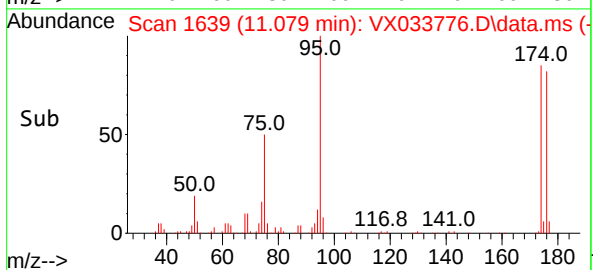
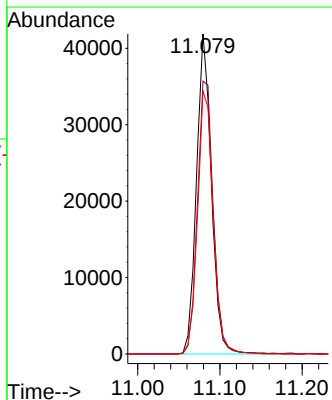
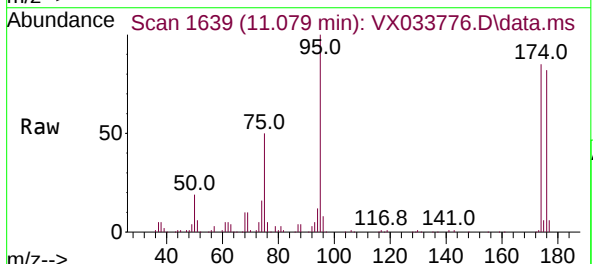
Instrument : MSVOA_X
ClientSampleId : DSN-001-SEWER-OUTLET-001

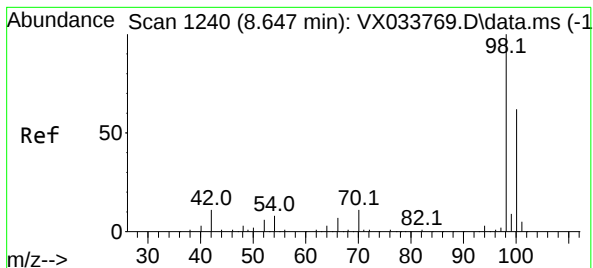
Tgt Ion:	43	Resp:	1169
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.6#
85	0.0	13.7	20.5#



#60
4-Bromofluorobenzene
Concen: 27.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033776.D
Acq: 18 Jan 2023 15:56

Tgt Ion:	95	Resp:	52923
Ion	Ratio	Lower	Upper
95	100		
174	90.8	74.6	111.8
176	86.1	72.2	108.2





#63

Toluene-d8

Concen: 29.757 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

Instrument :

MSVOA_X

ClientSampleId :

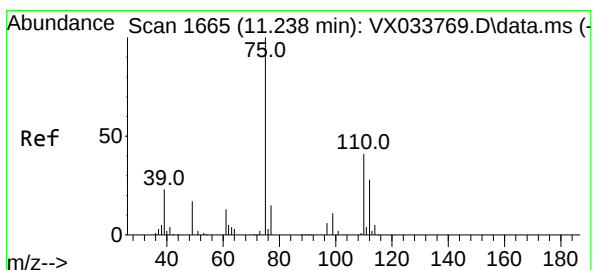
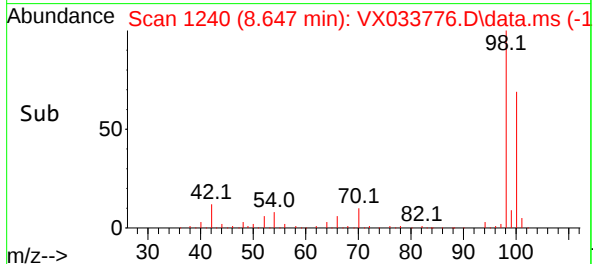
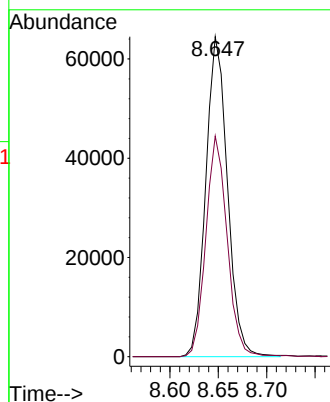
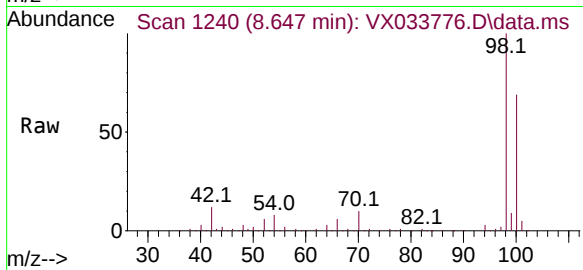
DSN-001-SEWER-OUTLET-001

Tgt Ion: 98 Resp: 100573

Ion Ratio Lower Upper

98 100

100 67.6 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 14.125 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX033776.D

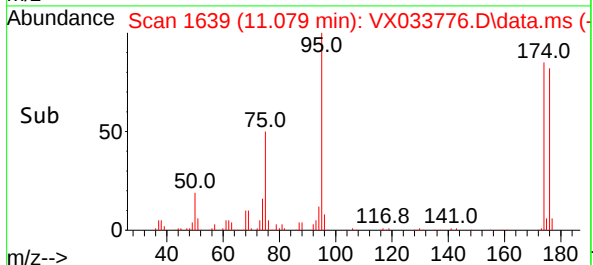
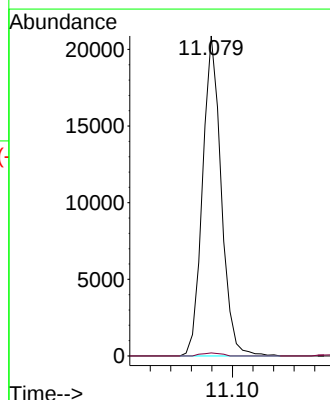
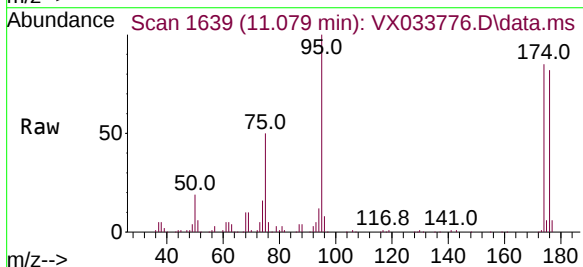
Acq: 18 Jan 2023 15:56

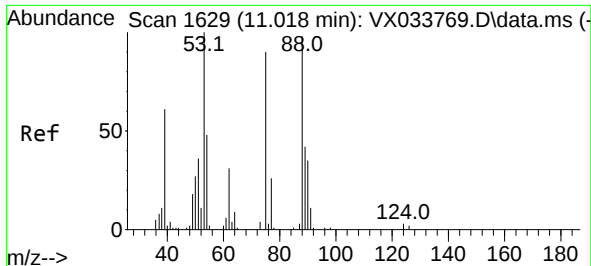
Tgt Ion: 75 Resp: 26398

Ion Ratio Lower Upper

75 100

77 1.0 0.0 75.6





#77

t-1,4-Dichloro-2-butene

Concen: 45.972 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX033776.D

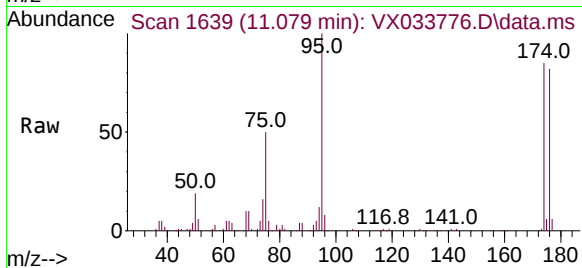
Acq: 18 Jan 2023 15:56

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001



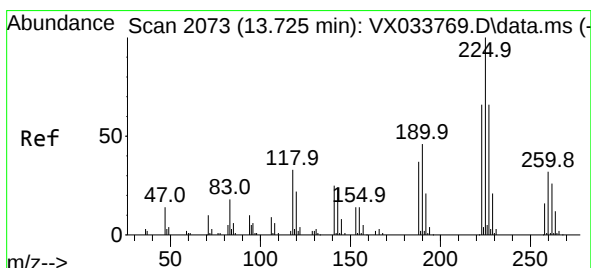
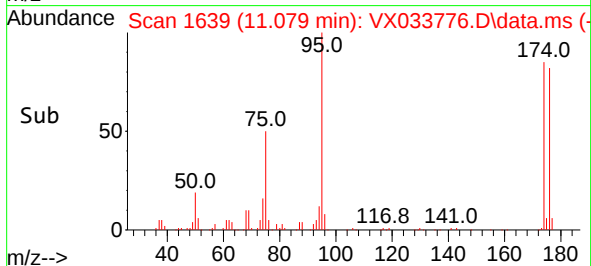
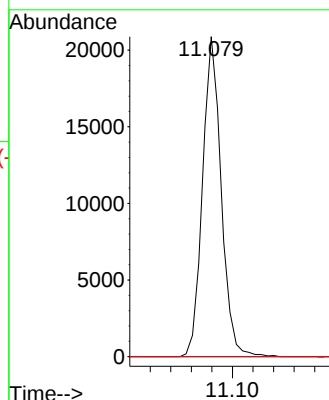
Tgt Ion: 75 Resp: 26398

Ion Ratio Lower Upper

75 100

53 0.0 55.5 166.3#

89 0.0 23.3 69.8#



#90

Hexachlorobutadiene

Concen: 0.231 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX033776.D

Acq: 18 Jan 2023 15:56

Tgt Ion: 225 Resp: 243

Ion Ratio Lower Upper

225 100

223 78.2 0.0 127.6

227 58.8 0.0 131.2

