

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022220.D
 Acq On : 27 May 2021 01:42
 Operator : JC/MD
 Sample : M2483-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: May 27 05:02:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 13 06:11:35 2021
 Response via : Initial Calibration

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

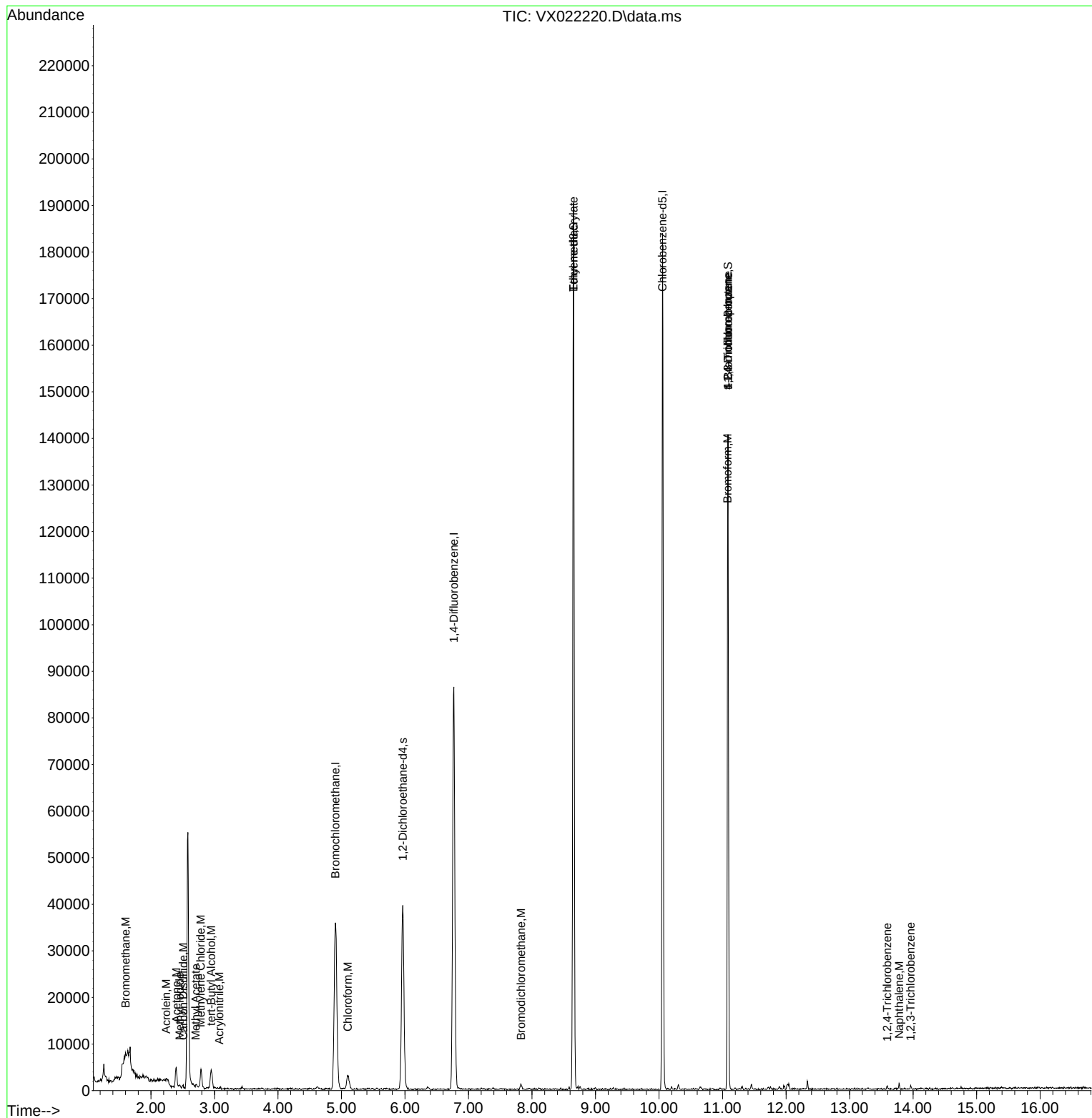
Internal Standards						
1) Bromochloromethane	4.904	128	14665	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	88032	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	78773	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	36278	32.12	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.07%
60) 4-Bromofluorobenzene	11.085	95	39024	29.85	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.50%
63) Toluene-d8	8.653	98	107188	29.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.27%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	351	0.58	ug/l #	52
11) Methyl Iodide	2.453	142	747	0.86	ug/l #	83
12) Methyl Acetate	2.703	43	934	0.77	ug/l #	52
13) Acrolein	2.239	56	108	0.58	ug/l	86
14) Acrylonitrile	3.075	53	152	0.31	ug/l #	46
15) Acetone	2.398	58	1541	10.50	ug/l	92
16) Carbon Disulfide	2.508	76	623	0.26	ug/l #	76
18) Methylene Chloride	2.782	84	1814	1.75	ug/l #	79
23) tert-Butyl Alcohol	2.947	59	2464	10.31	ug/l #	100
25) Chloroform	5.099	83	3521	2.00	ug/l #	66
41) Bromodichloromethane	7.830	83	755	0.52	ug/l #	70
51) Ethyl methacrylate	8.653	69	356	0.21	ug/l	79
56) Bromoform	11.079	173	289	0.44	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	20482	14.57	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	20482	35.94	ug/l #	17
89) 1,2,4-Trichlorobenzene	13.591	180	271	0.24	ug/l #	75
91) Naphthalene	13.780	128	940	0.21	ug/l #	74
92) 1,2,3-Trichlorobenzene	13.963	180	243	0.21	ug/l #	57

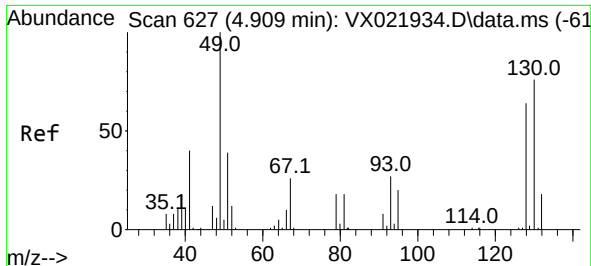
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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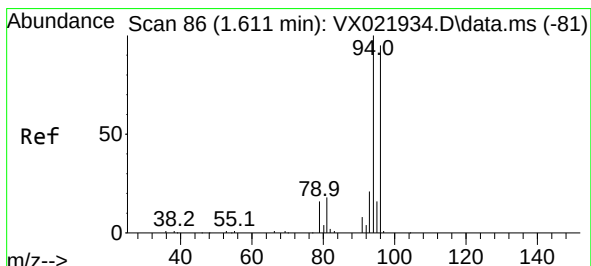
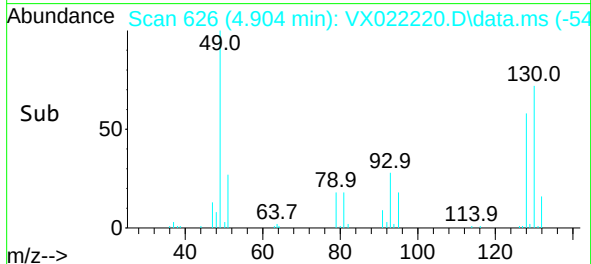
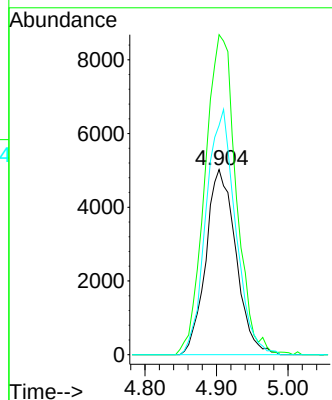
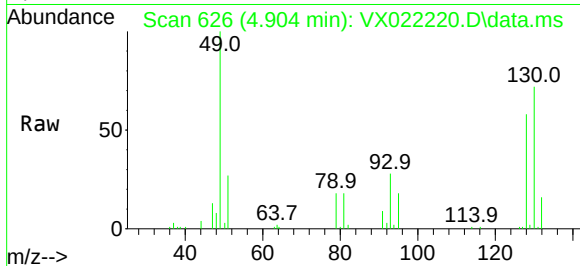




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.005 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

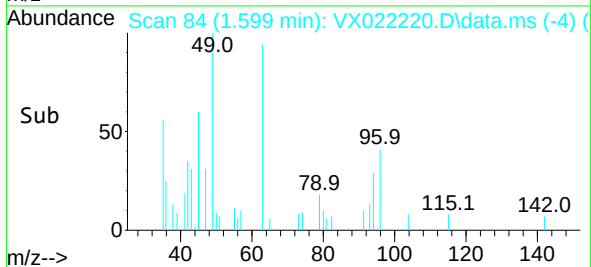
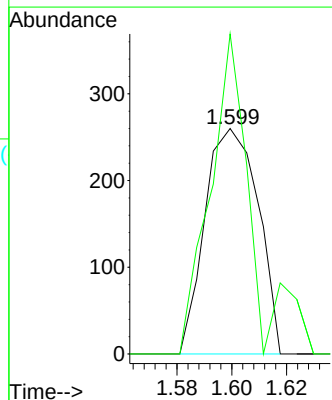
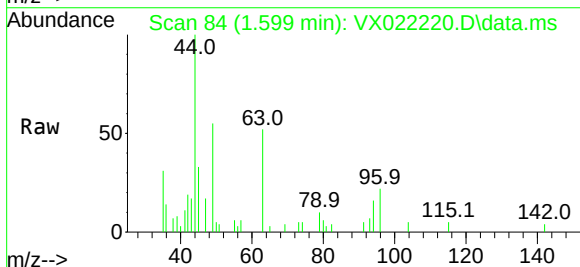
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

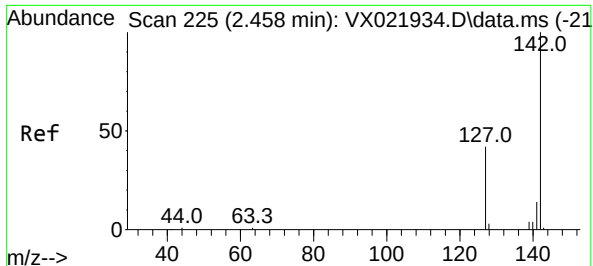
Tgt Ion:128 Resp: 14665
Ion Ratio Lower Upper
128 100
49 177.2 0.0 442.5
130 129.6 0.0 323.3



#5
Bromomethane
Concen: 0.58 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.012 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 141.9 76.1 114.1#





#11

Methyl Iodide

Concen: 0.86 ug/l

RT: 2.453 min Scan# 224

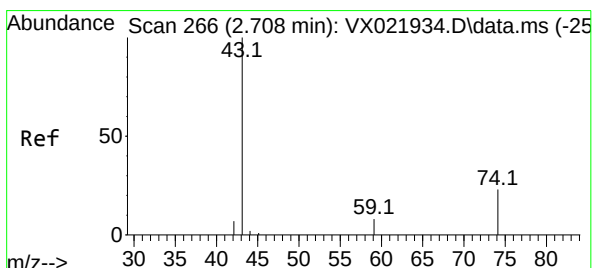
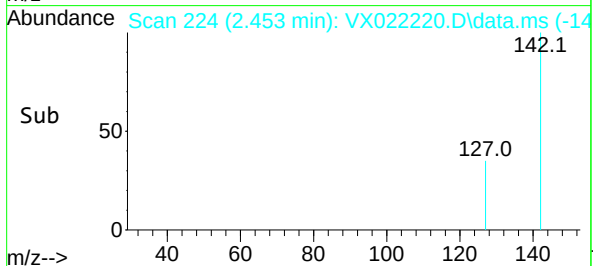
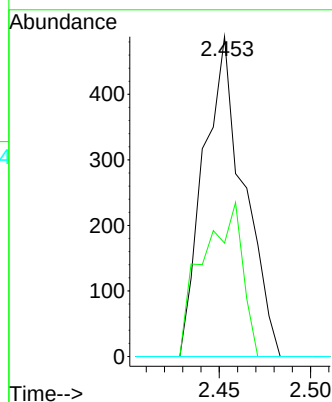
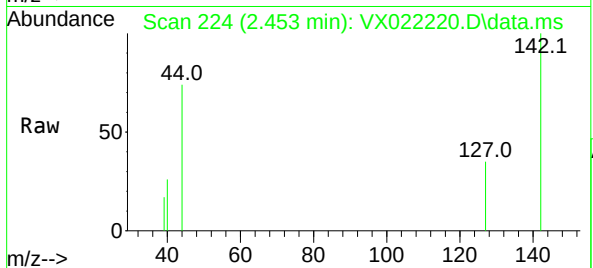
Delta R.T. -0.006 min

Lab File: VX022220.D

Acq: 27 May 2021 01:42

Tgt Ion:	142	Resp:	747
Ion	Ratio	Lower	Upper
142	100		
127	35.5	21.3	63.7
141	0.0	7.2	21.6#

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



#12

Methyl Acetate

Concen: 0.77 ug/l

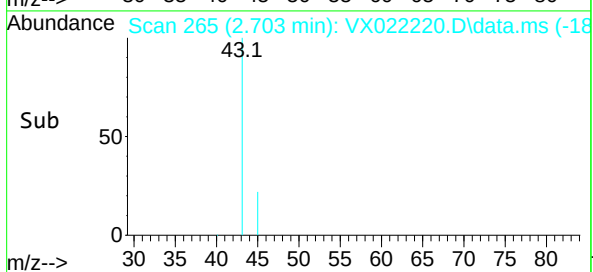
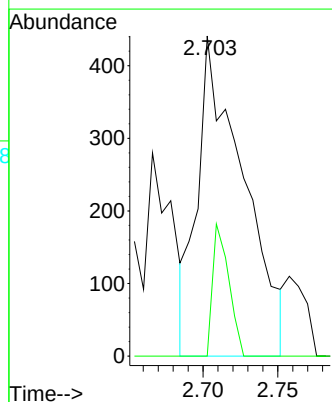
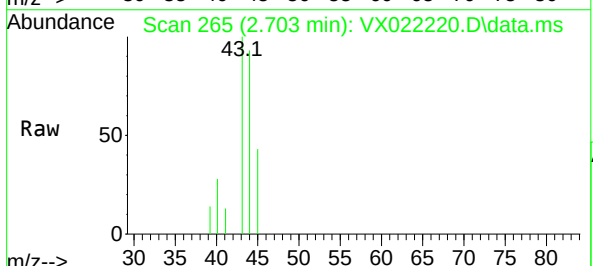
RT: 2.703 min Scan# 265

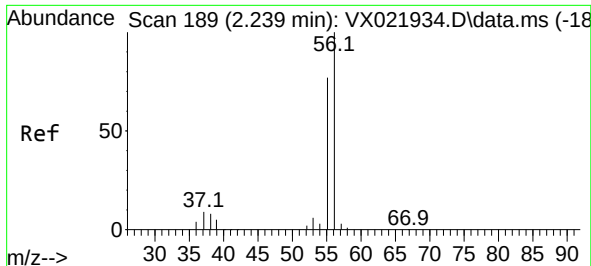
Delta R.T. -0.006 min

Lab File: VX022220.D

Acq: 27 May 2021 01:42

Tgt Ion:	43	Resp:	934
Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.5	27.7#

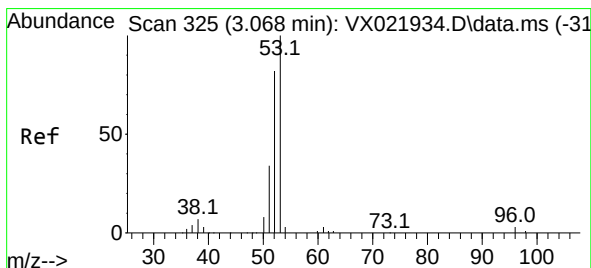
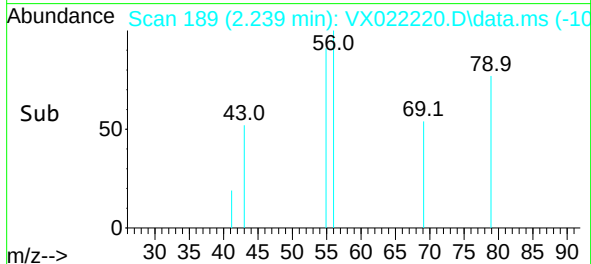
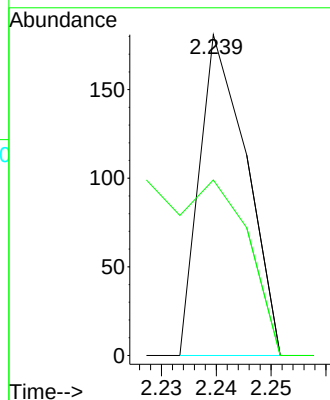
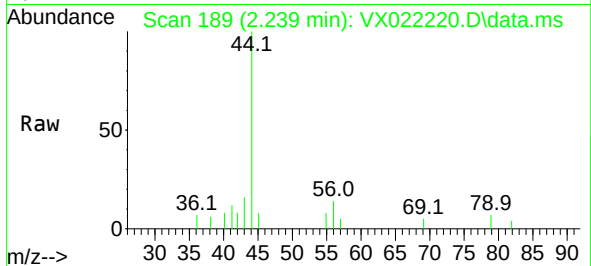




#13
Acrolein
Concen: 0.58 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

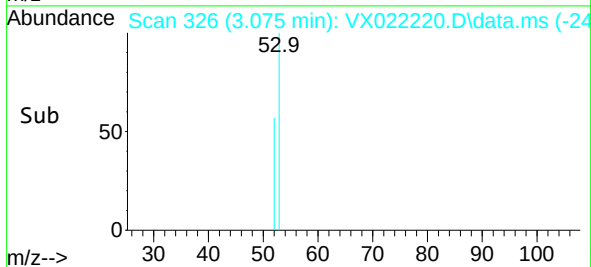
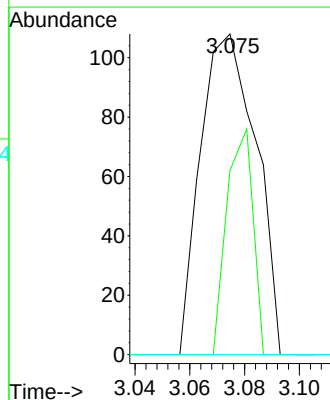
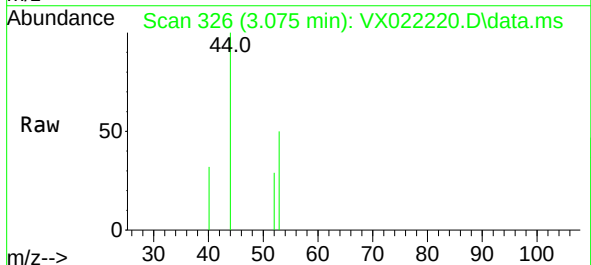
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

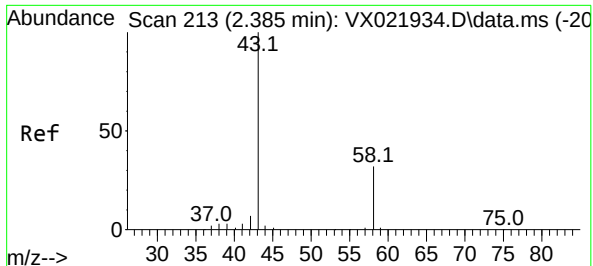
Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 60.2 57.6 86.4



#14
Acrylonitrile
Concen: 0.31 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.007 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

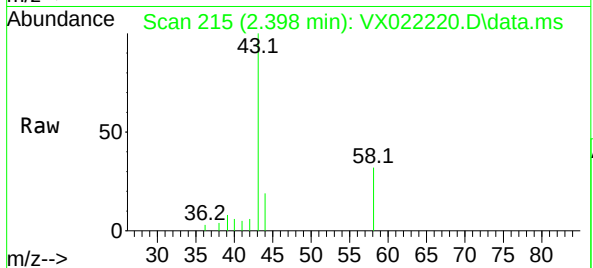
Tgt Ion: 53 Resp: 152
Ion Ratio Lower Upper
53 100
52 32.9 39.3 117.9#
51 0.0 17.1 51.2#



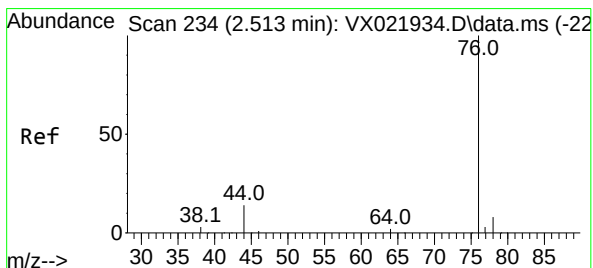
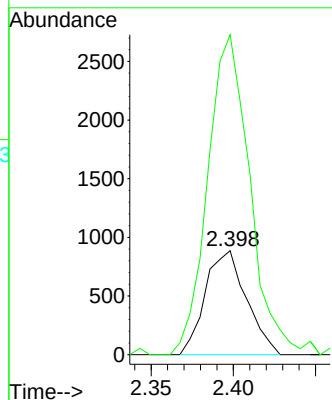
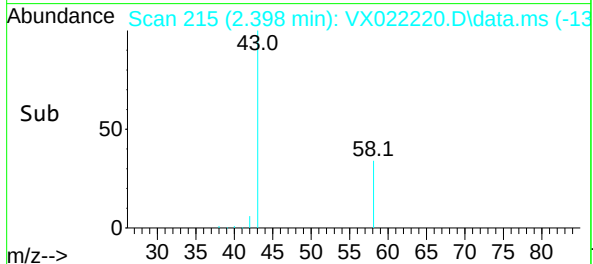


#15
Acetone
Concen: 10.50 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

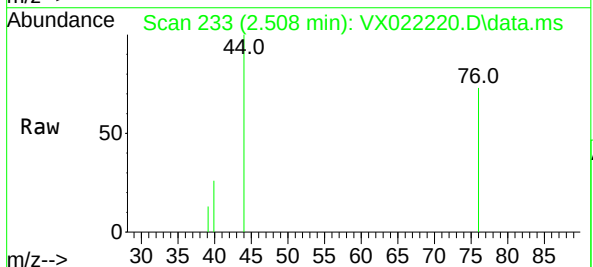
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001



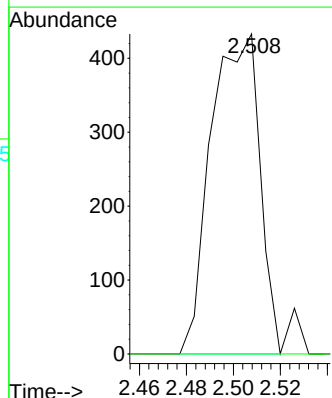
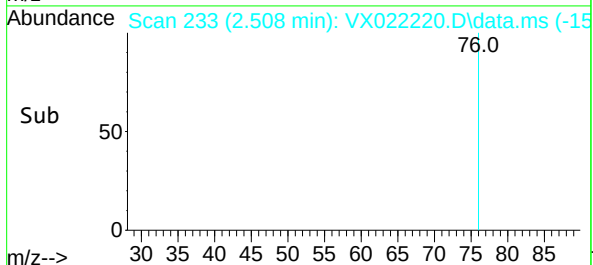
Tgt Ion: 58 Resp: 1541
Ion Ratio Lower Upper
58 100
43 296.5 249.5 374.3

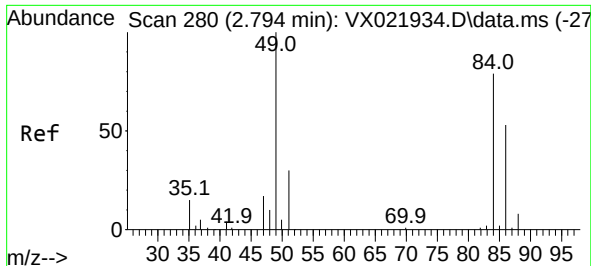


#16
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42



Tgt Ion: 76 Resp: 623
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#



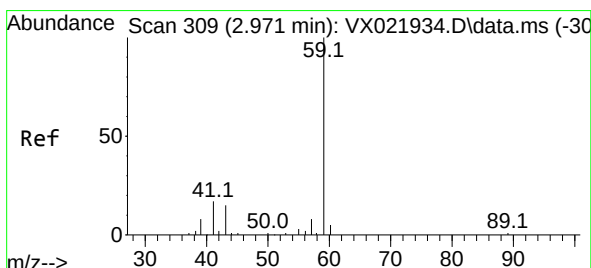
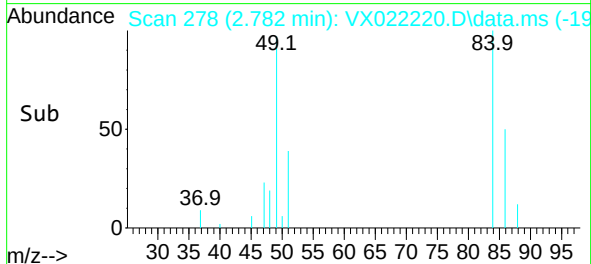
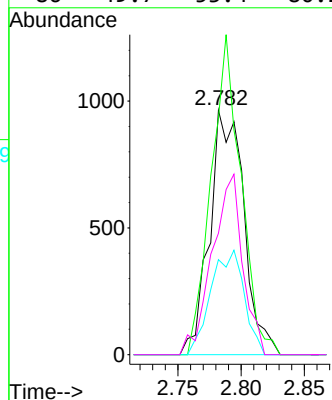
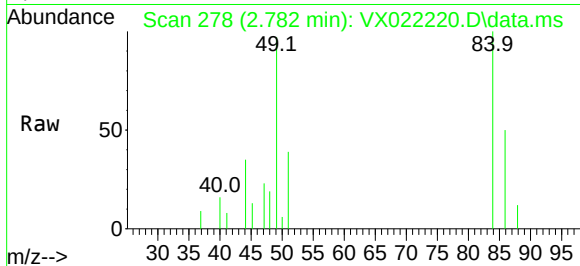


#18
Methylene Chloride
Concen: 1.75 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

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

Tgt Ion: 84 Resp: 1814

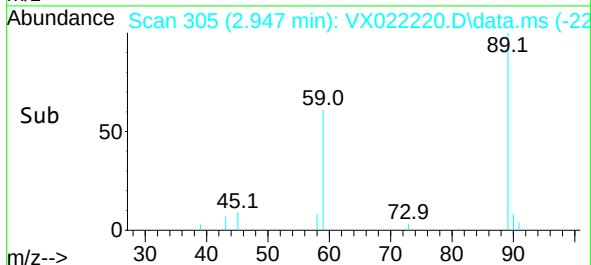
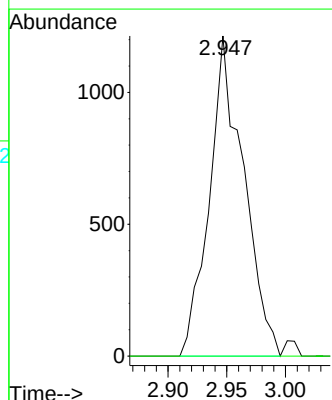
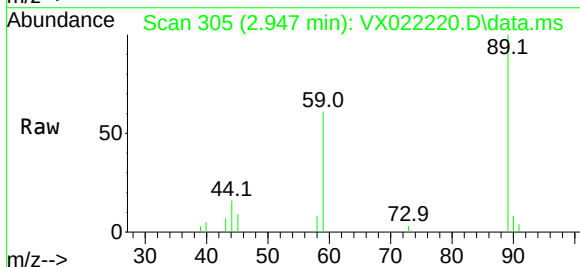
Ion	Ratio	Lower	Upper
84	100		
49	96.7	101.6	152.4#
51	38.9	30.5	45.7
86	49.7	53.4	80.2#

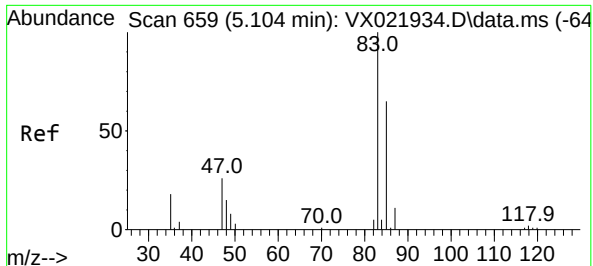


#23
tert-Butyl Alcohol
Concen: 10.31 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion: 59 Resp: 2464

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

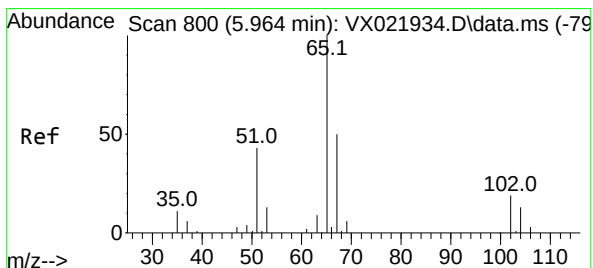
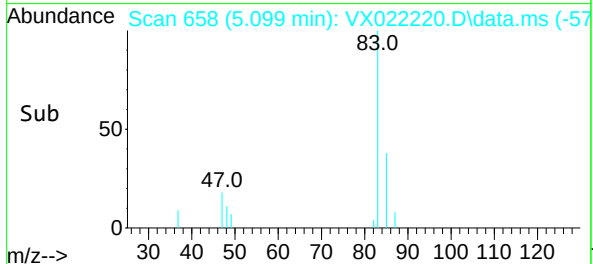
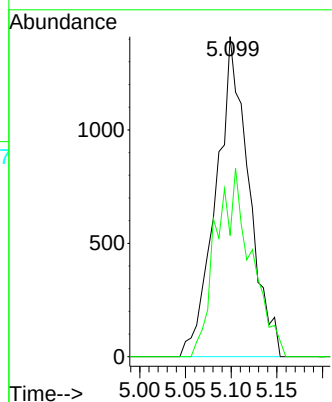
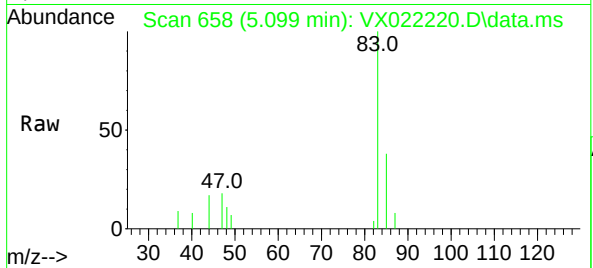




#25
Chloroform
Concen: 2.00 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

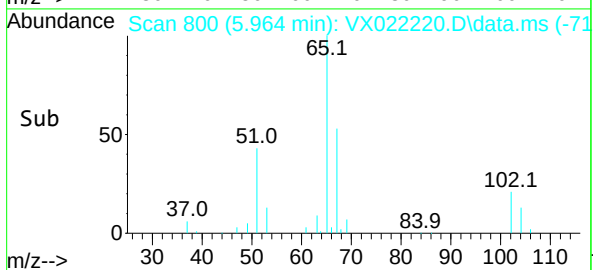
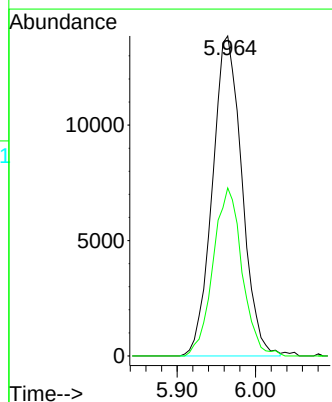
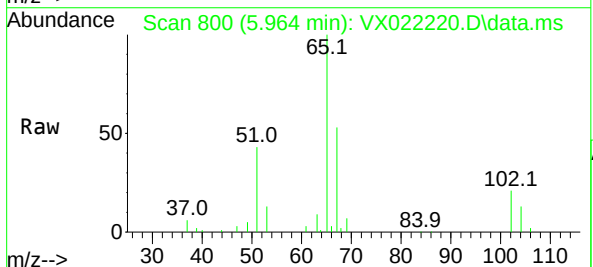
Instrument :
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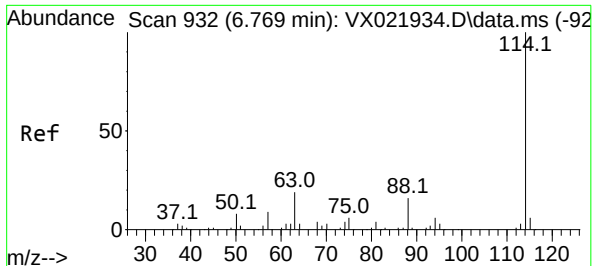
Tgt Ion: 83 Resp: 3521
Ion Ratio Lower Upper
83 100
85 37.8 51.9 77.9#



#27
1,2-Dichloroethane-d4
Concen: 32.12 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion: 65 Resp: 36278
Ion Ratio Lower Upper
65 100
67 51.2 41.5 62.3





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022220.D

Acq: 27 May 2021 01:42

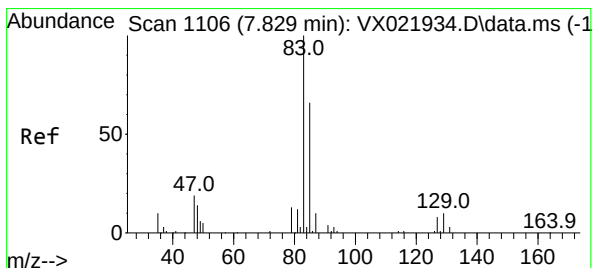
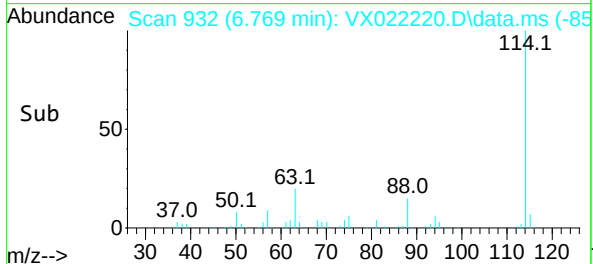
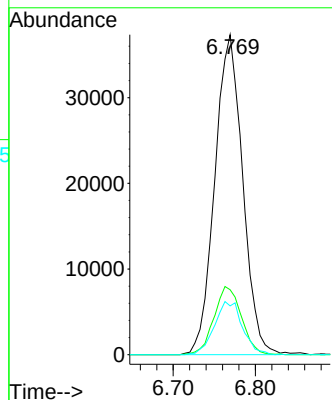
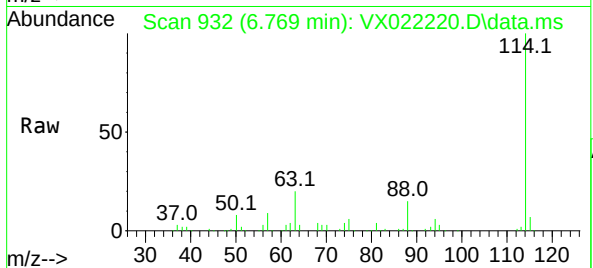
Tgt Ion:114 Resp: 88032

Ion Ratio Lower Upper

114 100

63 21.0 16.6 25.0

88 16.7 13.1 19.7



#41

Bromodichloromethane

Concen: 0.52 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VX022220.D

Acq: 27 May 2021 01:42

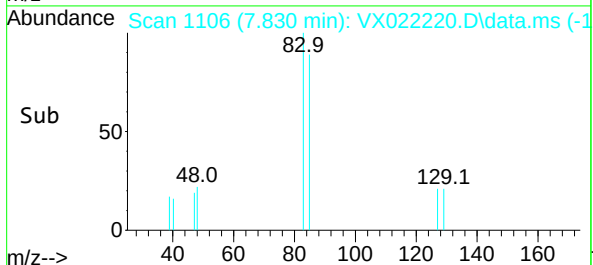
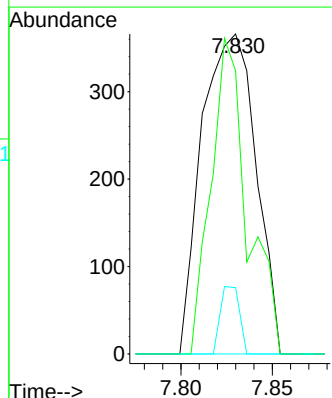
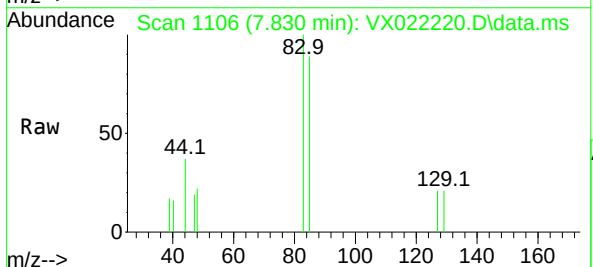
Tgt Ion: 83 Resp: 755

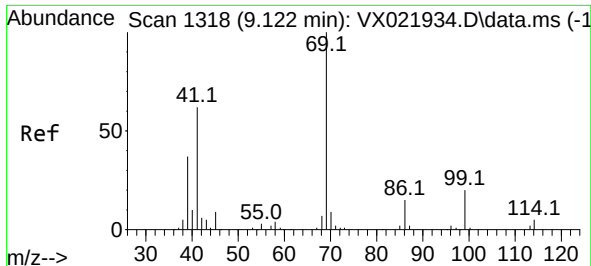
Ion Ratio Lower Upper

83 100

85 88.5 52.6 78.8#

127 20.8 6.1 9.1#

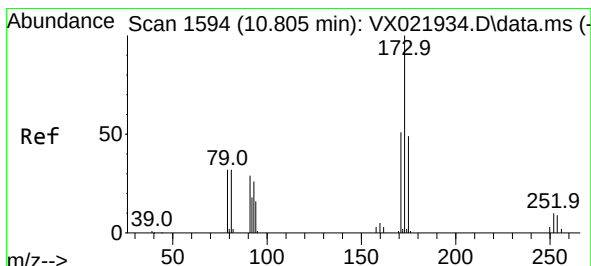
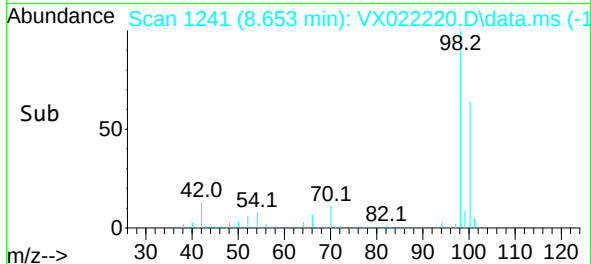
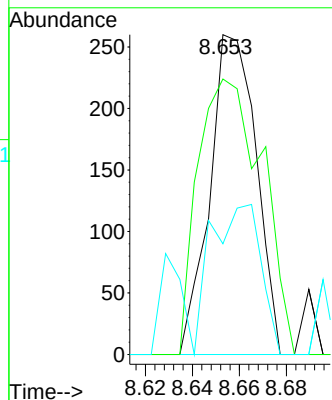
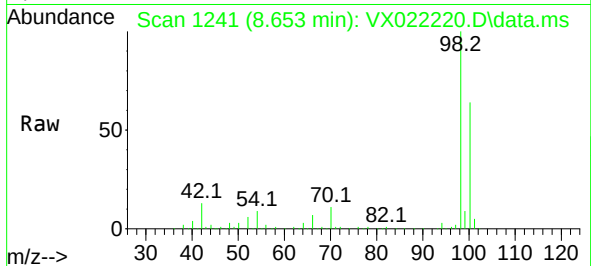




#51
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.469 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

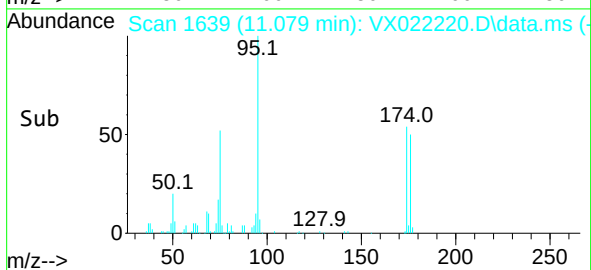
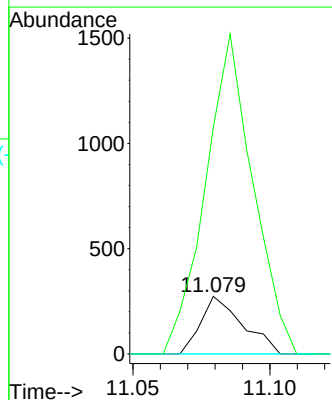
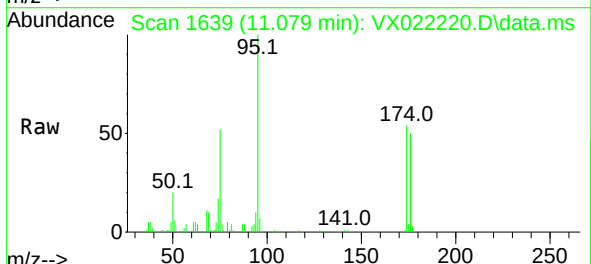
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

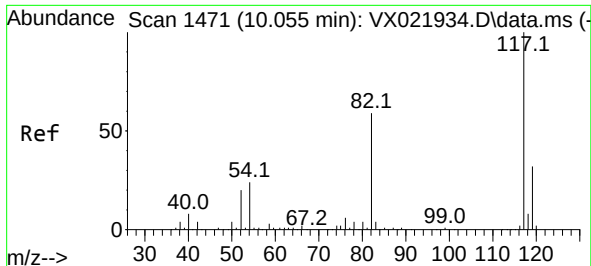
Tgt Ion:	69	Resp:	356
Ion	Ratio	Lower	Upper
69	100		
41	86.2	31.1	93.5
39	34.6	18.3	54.9



#56
Bromoform
Concen: 0.44 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.275 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion:	173	Resp:	289
Ion	Ratio	Lower	Upper
173	100		
175	634.3	39.4	59.2#
254	0.0	8.0	12.0#

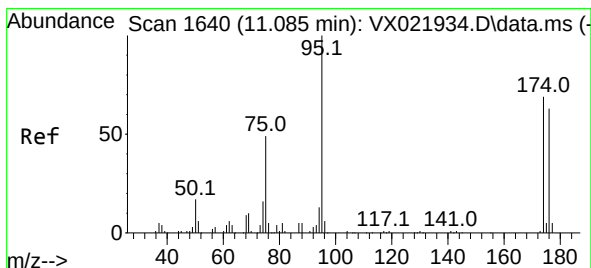
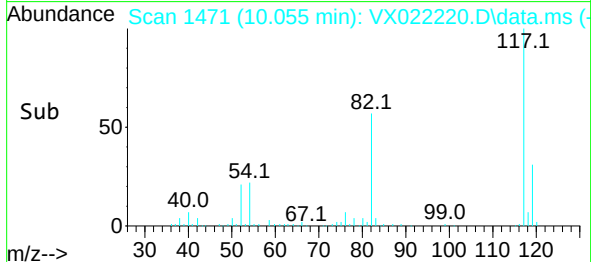
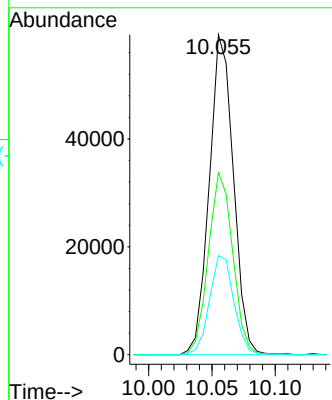
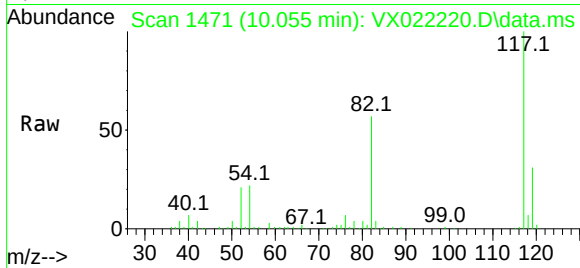




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

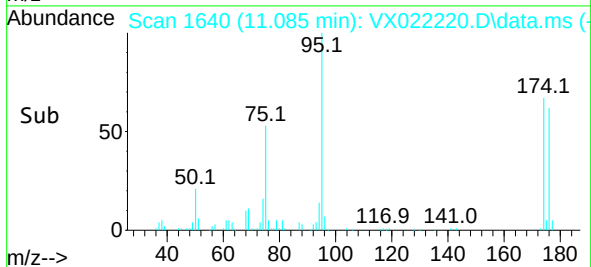
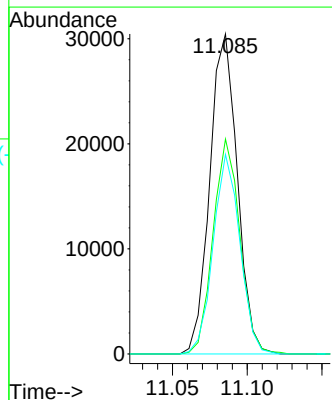
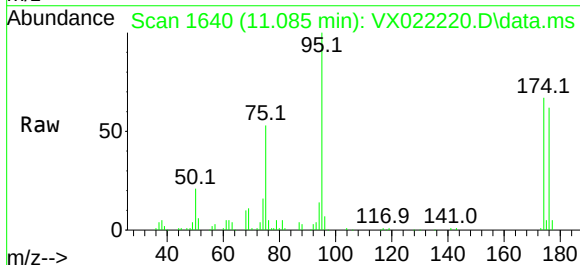
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

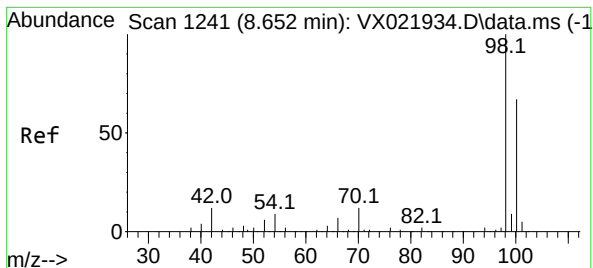
Tgt Ion:117 Resp: 78773
Ion Ratio Lower Upper
117 100
82 57.6 44.9 67.3
119 31.3 25.0 37.6



#60
4-Bromofluorobenzene
Concen: 29.85 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion: 95 Resp: 39024
Ion Ratio Lower Upper
95 100
174 65.3 52.2 78.2
176 60.5 49.3 73.9

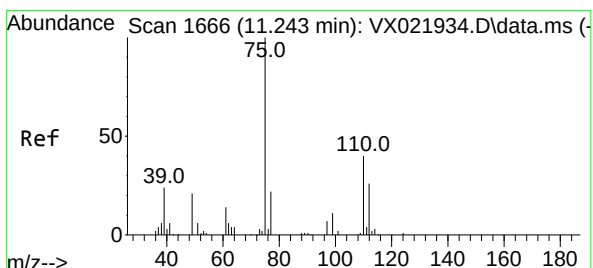
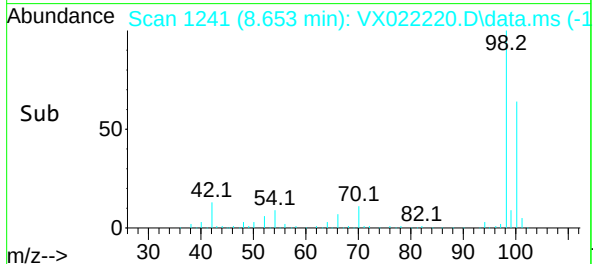
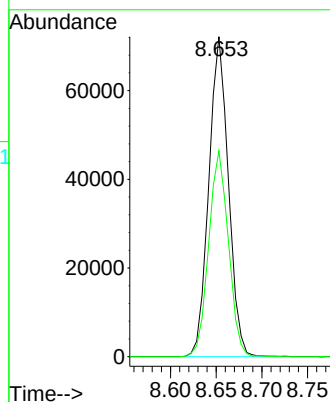
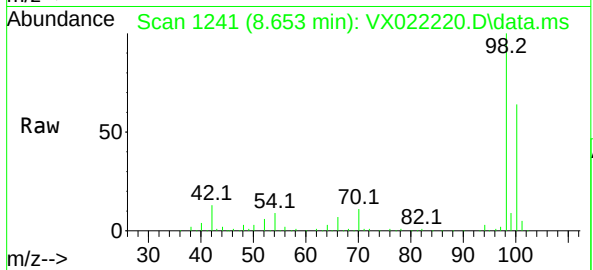




#63
Toluene-d8
Concen: 29.78 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

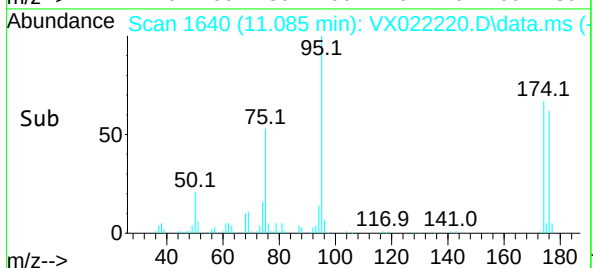
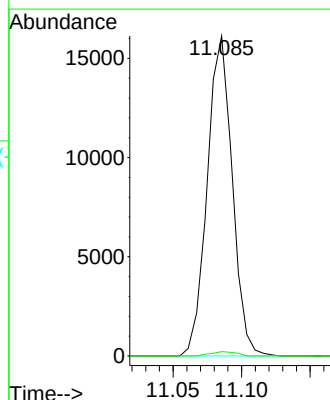
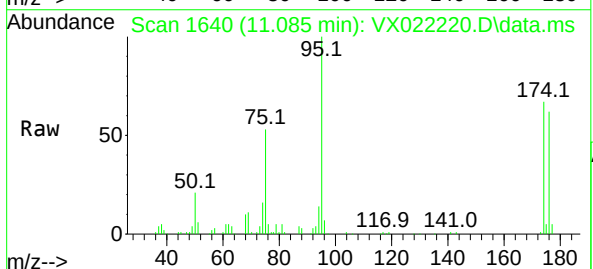
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

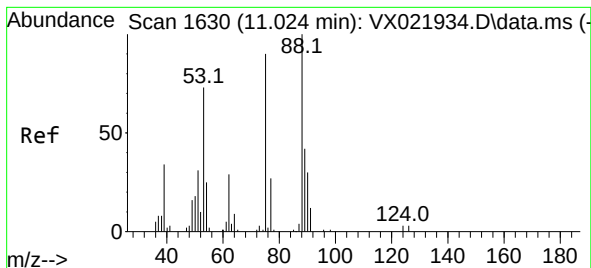
Tgt Ion: 98 Resp: 107188
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#72
1,2,3-Trichloropropane
Concen: 14.57 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion: 75 Resp: 20482
Ion Ratio Lower Upper
75 100
77 1.4 0.0 33.0

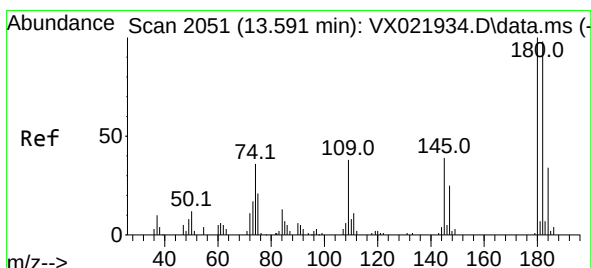
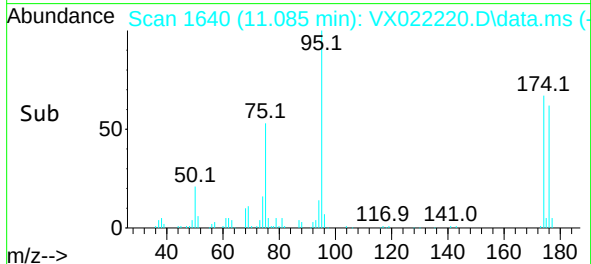
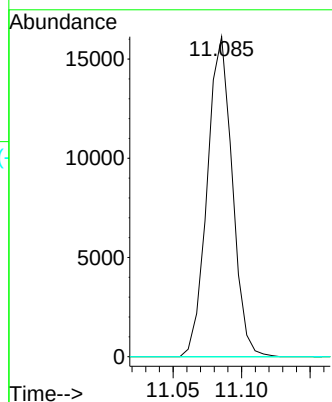
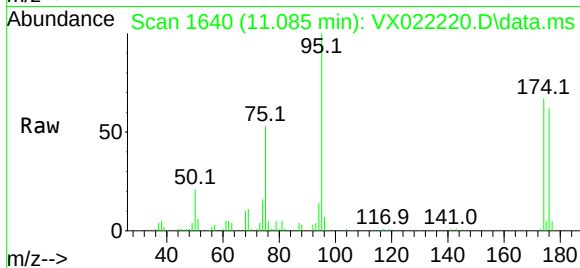




#77
t-1,4-Dichloro-2-butene
Concen: 35.94 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

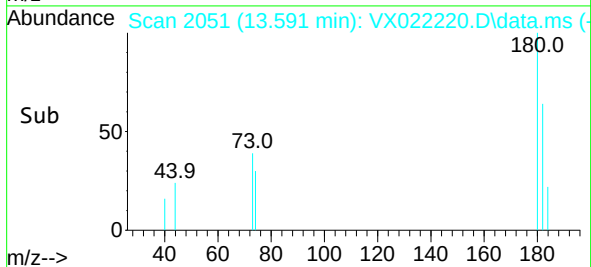
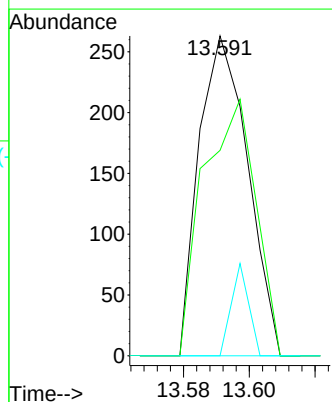
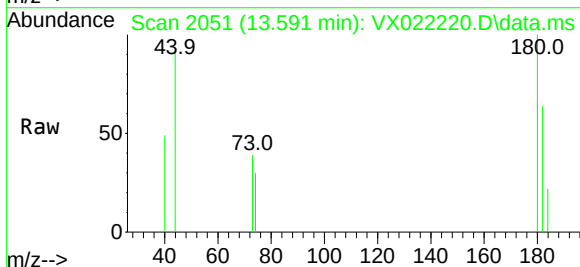
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

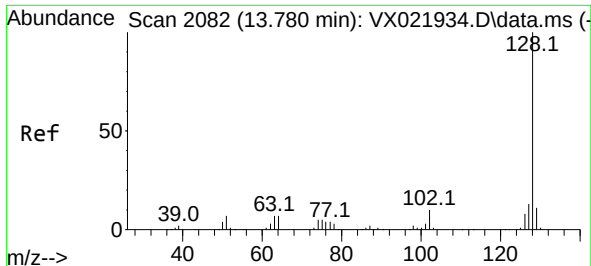
Tgt Ion: 75 Resp: 20482
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#



#89
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion: 180 Resp: 271
Ion Ratio Lower Upper
180 100
182 86.3 77.8 116.6
145 0.0 30.0 45.0#

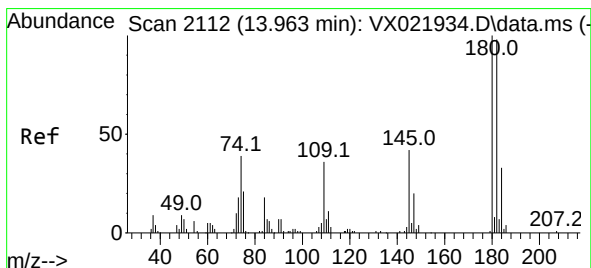
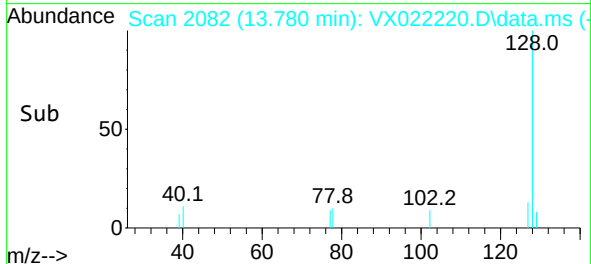
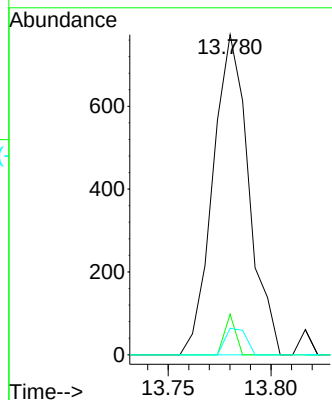
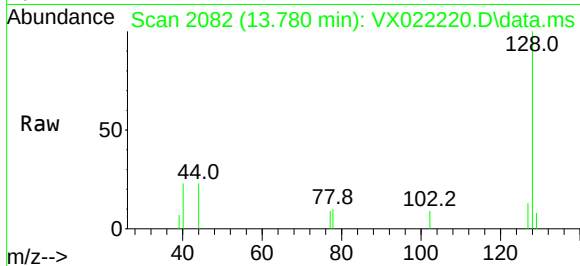




#91
Naphthalene
Concen: 0.21 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

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

Tgt Ion:128 Resp: 940
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 4.8 9.2 13.8#



#92
1,2,3-Trichlorobenzene
Concen: 0.21 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX022220.D
Acq: 27 May 2021 01:42

Tgt Ion:180 Resp: 243
Ion Ratio Lower Upper
180 100
182 61.3 0.0 192.6
145 0.0 0.0 75.8

