

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022221.D
 Acq On : 27 May 2021 02:06
 Operator : JC/MD
 Sample : M2483-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: May 27 05:02:18 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)

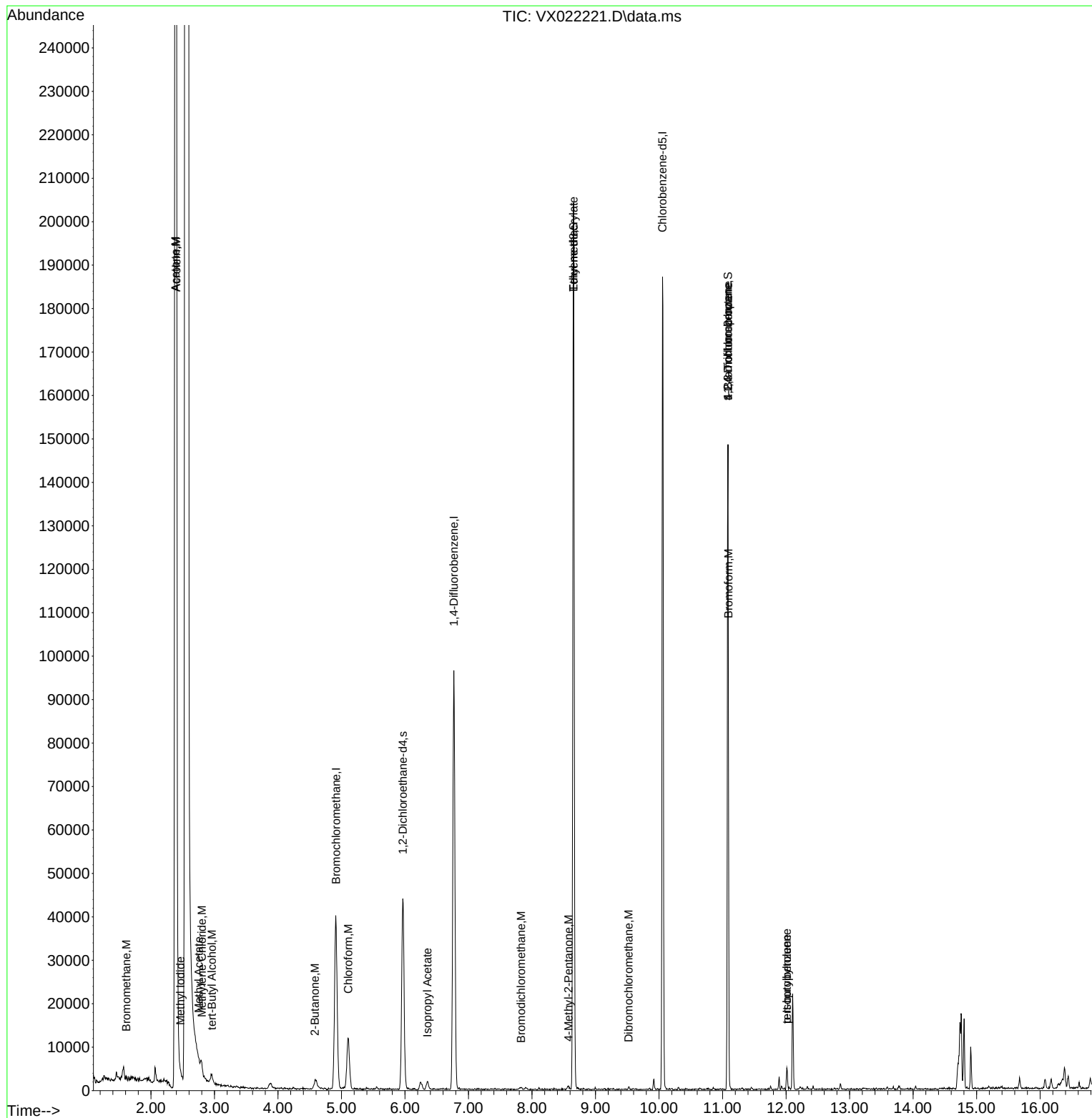
Internal Standards						
1) Bromochloromethane	4.916	128	15518	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	94513	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83405	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	39774	33.27	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.90%#			
60) 4-Bromofluorobenzene	11.085	95	40817	29.49	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.30%			
63) Toluene-d8	8.653	98	114622	30.07	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.23%			
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	251	0.39	ug/l	85
11) Methyl Iodide	2.465	142	341	0.37	ug/l #	49
12) Methyl Acetate	2.751	43	349	0.27	ug/l #	52
13) Acrolein	2.398	56	225	1.14	ug/l #	1
15) Acetone	2.386	58	272218	1752.20	ug/l	94
18) Methylene Chloride	2.800	84	873	0.80	ug/l #	84
23) tert-Butyl Alcohol	2.959	59	1669	6.60	ug/l #	100
25) Chloroform	5.105	83	13278	7.14	ug/l	98
30) 2-Butanone	4.580	43	760	0.91	ug/l #	85
41) Bromodichloromethane	7.830	83	366	0.23	ug/l #	67
44) Isopropyl Acetate	6.354	43	2473	0.88	ug/l #	87
51) Ethyl methacrylate	8.653	69	387	0.21	ug/l #	54
53) Dibromochloromethane	9.519	129	259	0.23	ug/l	72
56) Bromoform	11.091	173	228	0.32	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	1463	0.87	ug/l #	43
72) 1,2,3-Trichloropropane	11.085	75	21181	14.23	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	21181	35.11	ug/l #	17
79) tert-butylbenzene	12.012	119	2470	0.61	ug/l	61
82) p-Isopropyltoluene	12.012	119	2470	0.58	ug/l	96

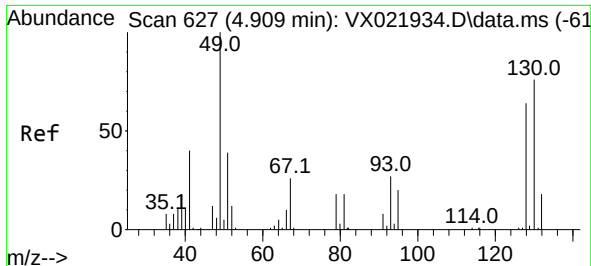
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
Data File : VX022221.D
Acq On : 27 May 2021 02:06
Operator : JC/MD
Sample : M2483-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: May 27 05:02:18 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

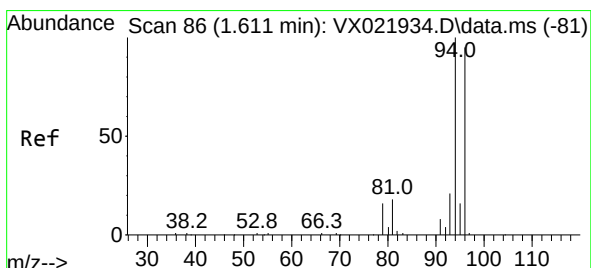
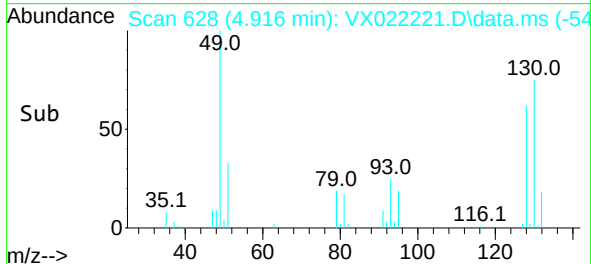
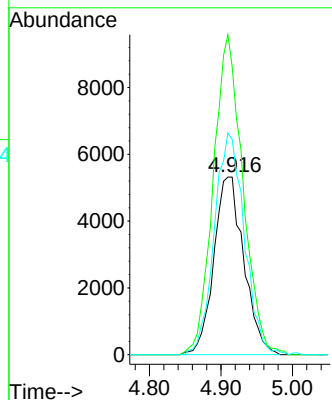
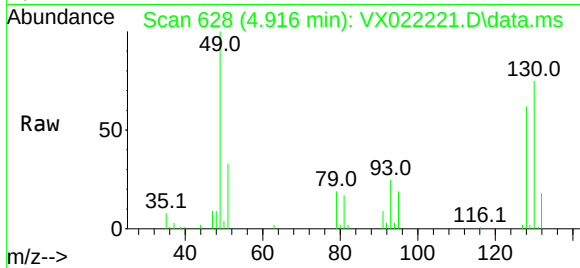




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.007 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

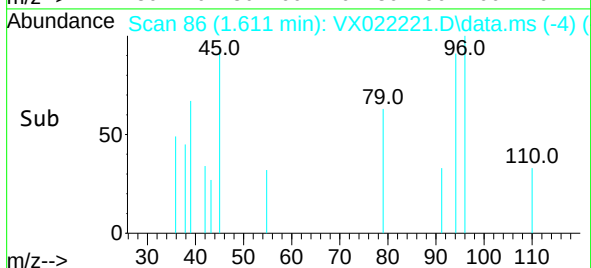
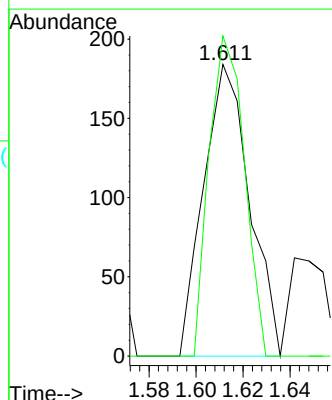
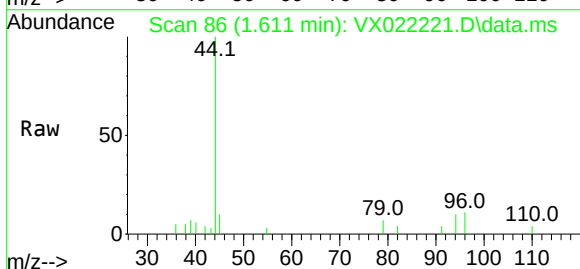
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

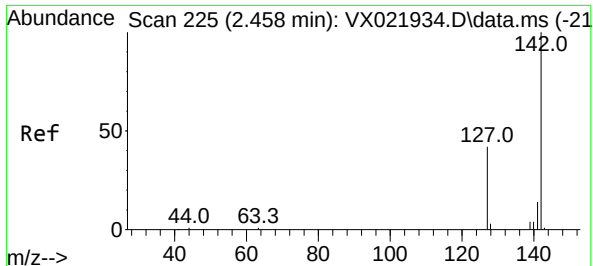
Tgt Ion:128 Resp: 15518
Ion Ratio Lower Upper
128 100
49 177.1 0.0 442.5
130 124.8 0.0 323.3



#5
Bromomethane
Concen: 0.39 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 109.8 76.1 114.1

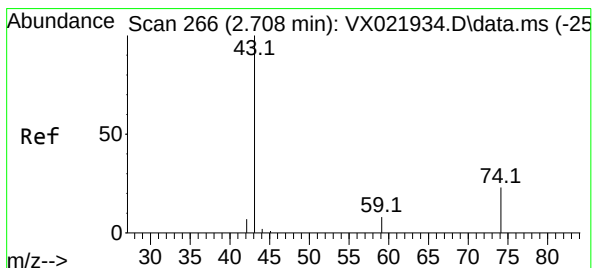
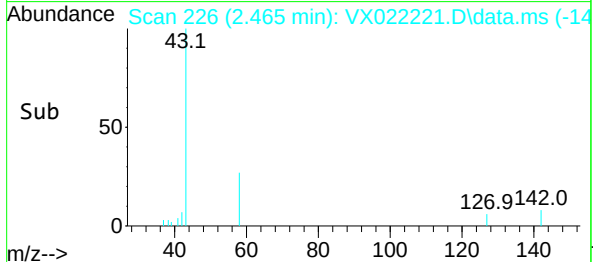
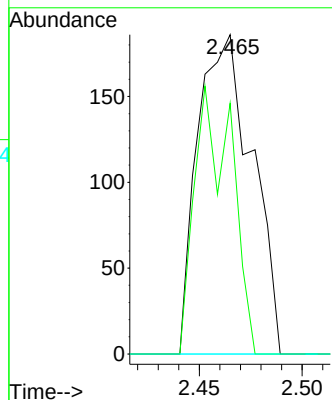
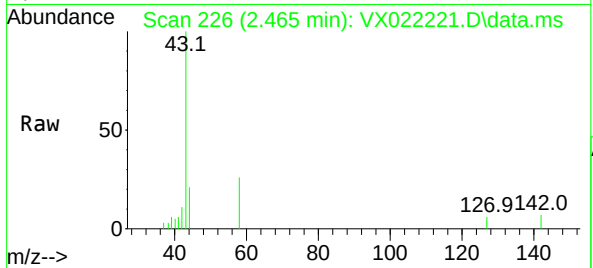




#11
Methyl Iodide
Concen: 0.37 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

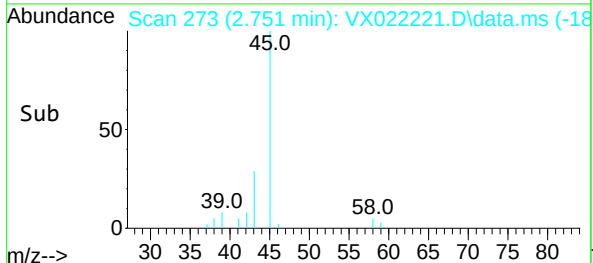
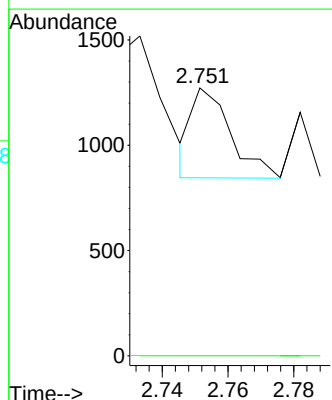
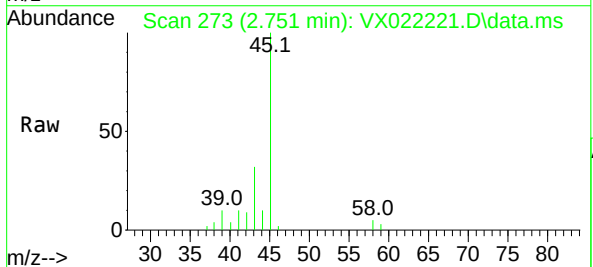
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

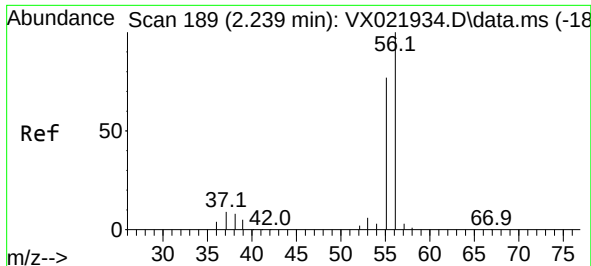
Tgt Ion:142 Resp: 341
Ion Ratio Lower Upper
142 100
127 78.5 21.3 63.7#
141 0.0 7.2 21.6#



#12
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.043 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#

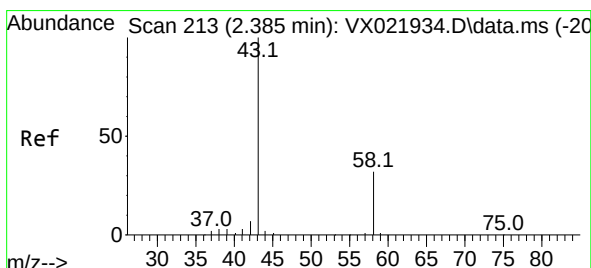
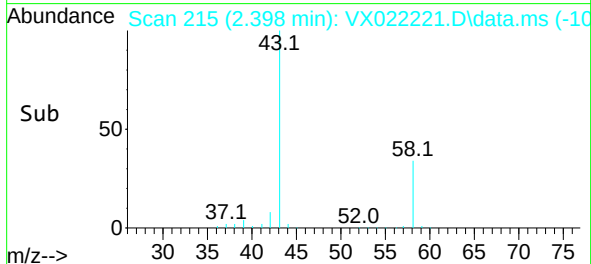
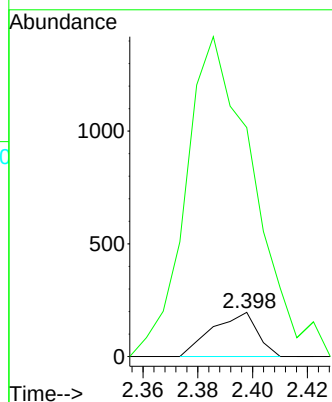
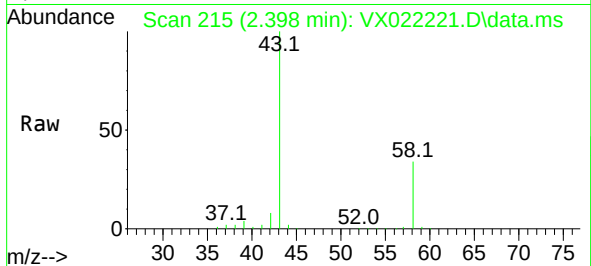




#13
Acrolein
Concen: 1.14 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.159 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

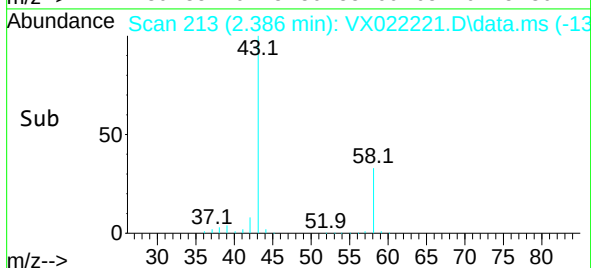
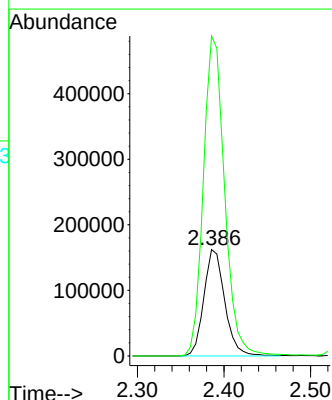
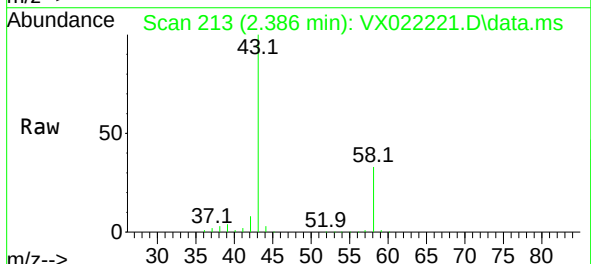
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

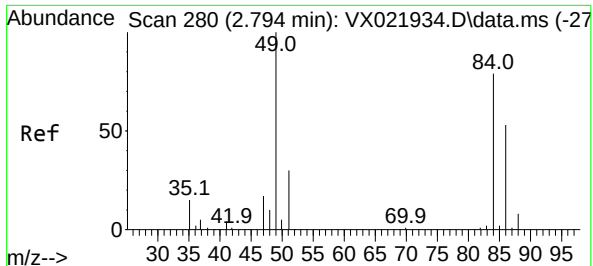
Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 1079.6 57.6 86.4#



#15
Acetone
Concen: 1752.20 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 58 Resp: 272218
Ion Ratio Lower Upper
58 100
43 300.6 249.5 374.3



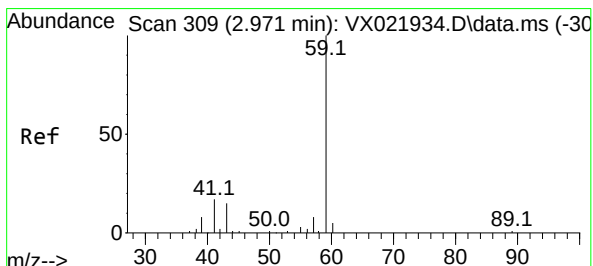
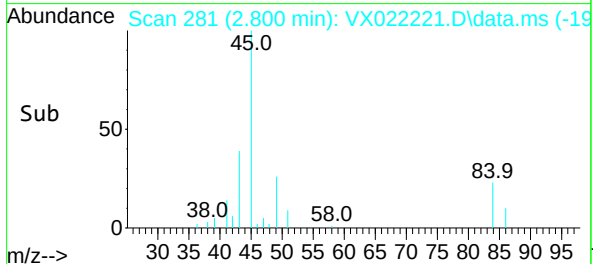
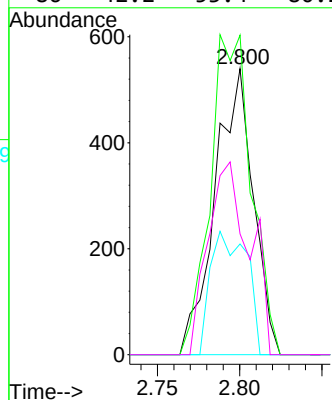
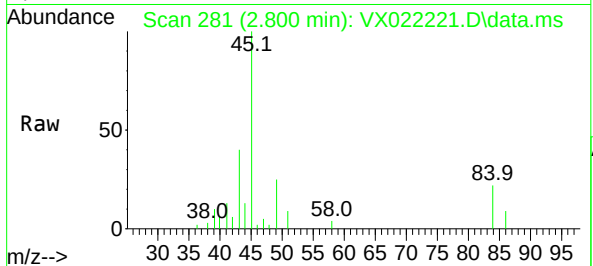


#18
Methylene Chloride
Concen: 0.80 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

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

Tgt Ion: 84 Resp: 873

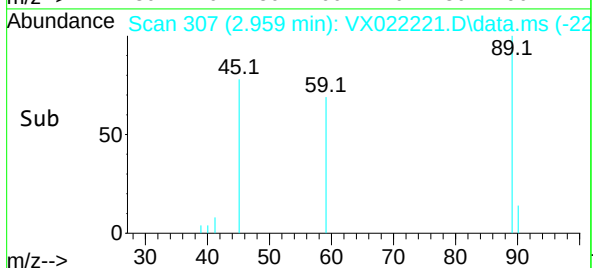
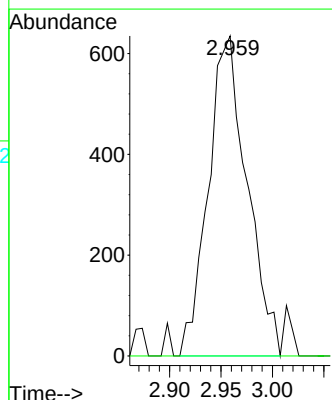
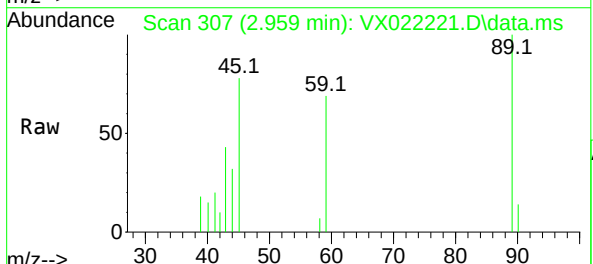
Ion	Ratio	Lower	Upper
84	100		
49	111.7	101.6	152.4
51	38.7	30.5	45.7
86	42.2	53.4	80.2

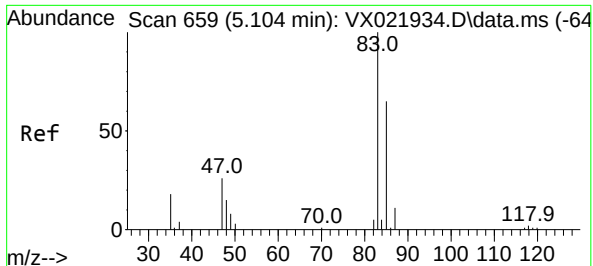


#23
tert-Butyl Alcohol
Concen: 6.60 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 59 Resp: 1669

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#25

Chloroform

Concen: 7.14 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX022221.D

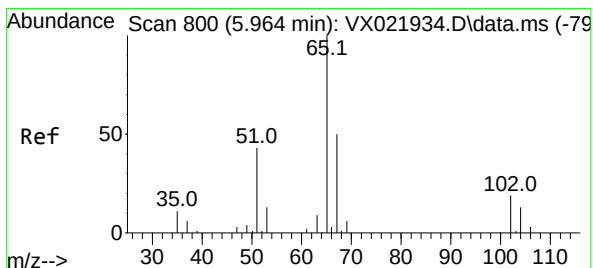
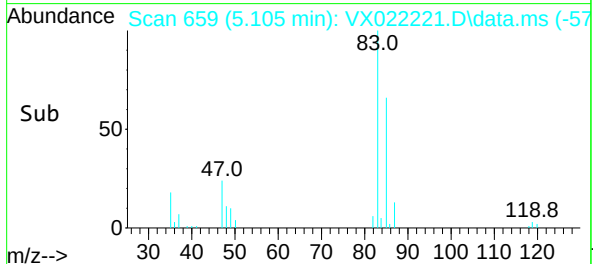
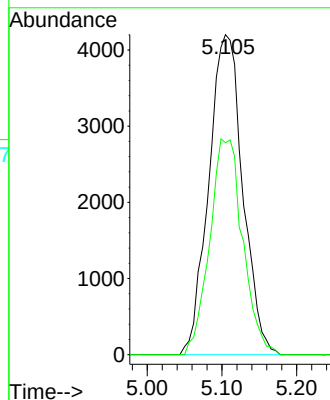
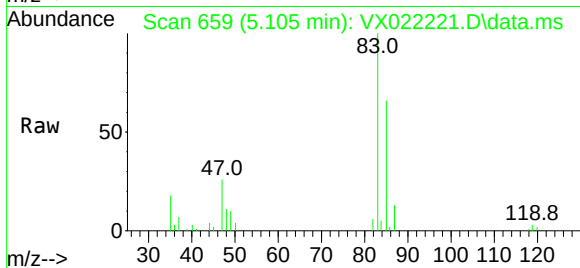
Acq: 27 May 2021 02:06

Tgt Ion: 83 Resp: 13278

Ion Ratio Lower Upper

83 100

85 66.2 51.9 77.9



#27

1,2-Dichloroethane-d4

Concen: 33.27 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022221.D

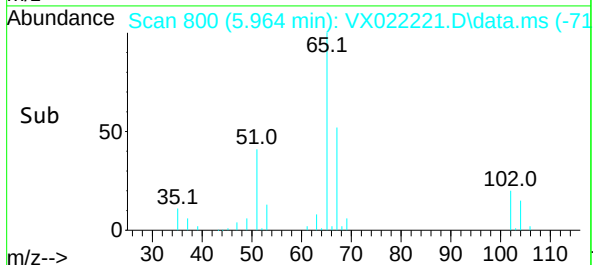
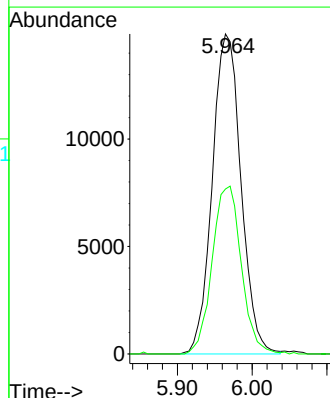
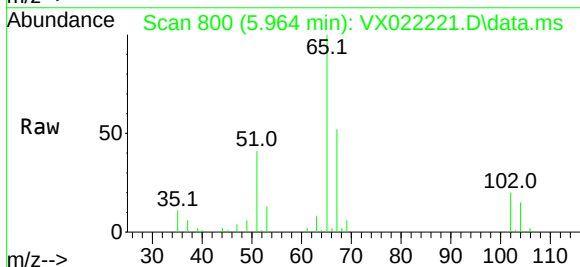
Acq: 27 May 2021 02:06

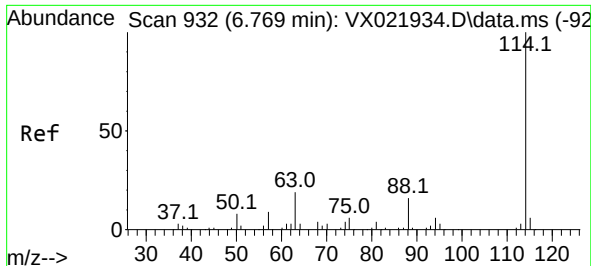
Tgt Ion: 65 Resp: 39774

Ion Ratio Lower Upper

65 100

67 53.0 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: VX022221.D

Acq: 27 May 2021 02:06

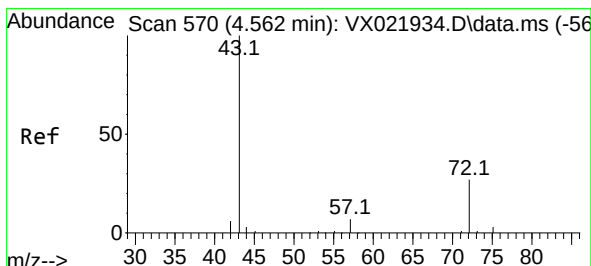
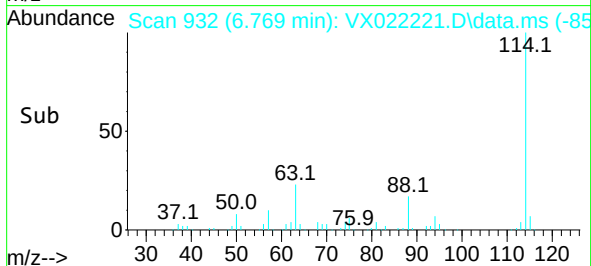
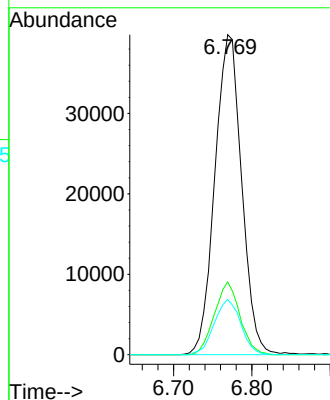
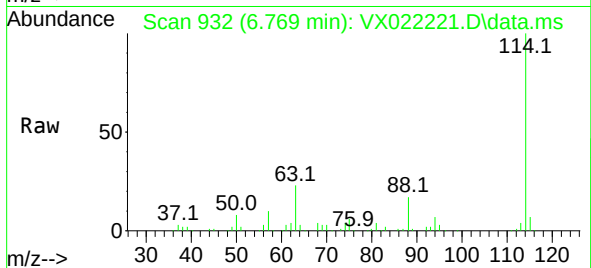
Tgt Ion:114 Resp: 94513

Ion Ratio Lower Upper

114 100

63 21.7 16.6 25.0

88 17.1 13.1 19.7



#30

2-Butanone

Concen: 0.91 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX022221.D

Acq: 27 May 2021 02:06

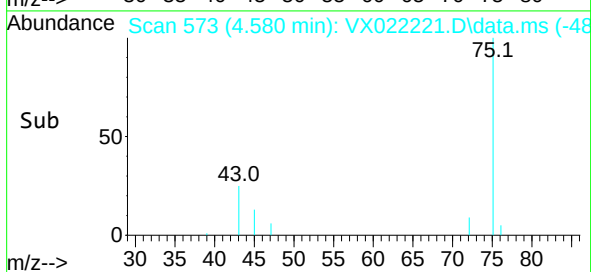
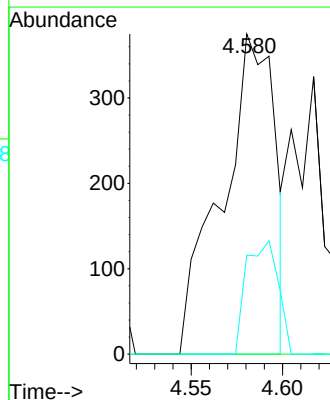
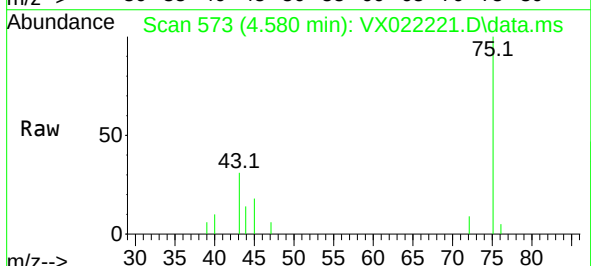
Tgt Ion: 43 Resp: 760

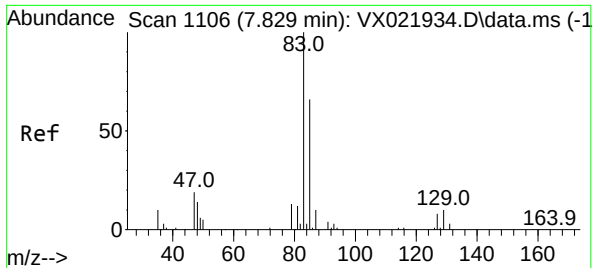
Ion Ratio Lower Upper

43 100

57 0.0 6.4 9.6#

72 21.2 22.1 33.1#

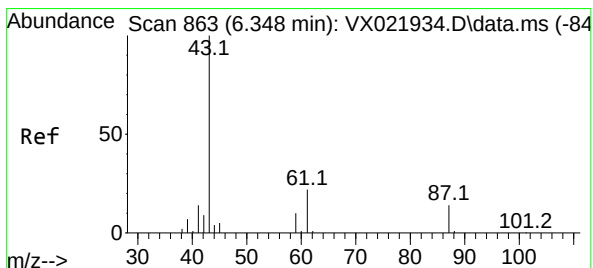
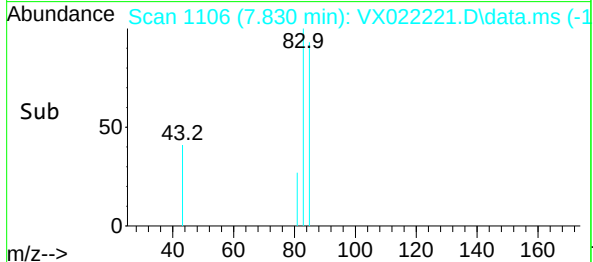
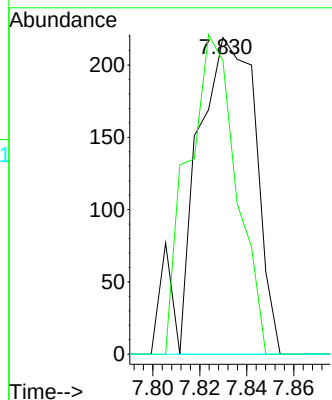
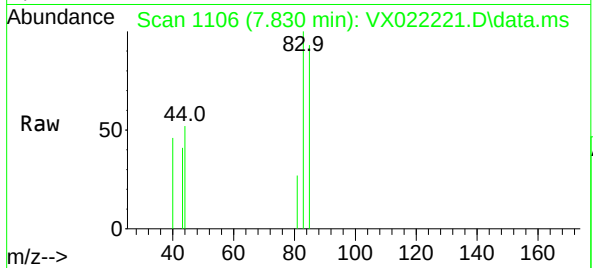




#41
Bromodichloromethane
Concen: 0.23 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

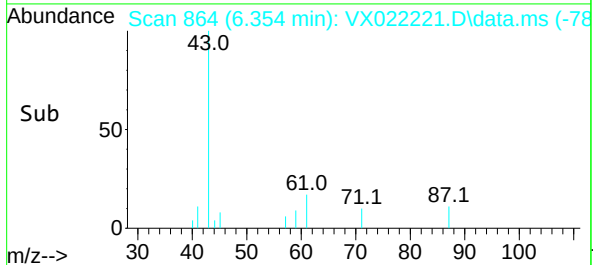
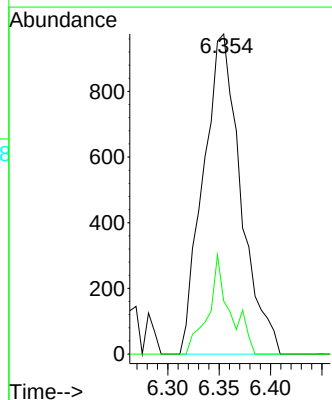
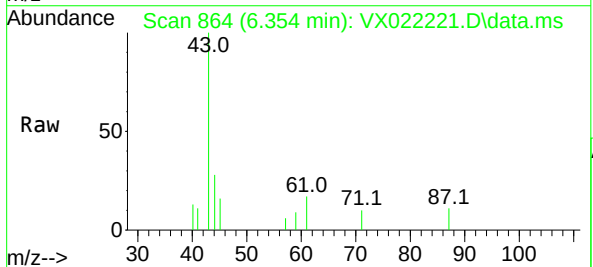
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

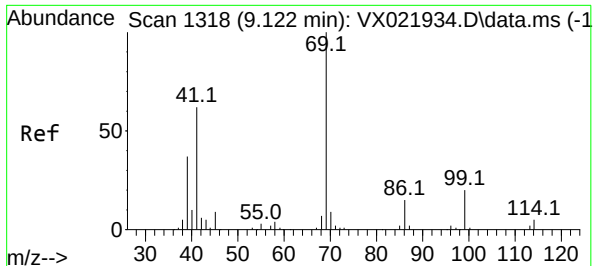
Tgt Ion: 83 Resp: 366
Ion Ratio Lower Upper
83 100
85 92.7 52.6 78.8#
127 0.0 6.1 9.1#



#44
Isopropyl Acetate
Concen: 0.88 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 43 Resp: 2473
Ion Ratio Lower Upper
43 100
61 15.3 17.0 25.4#

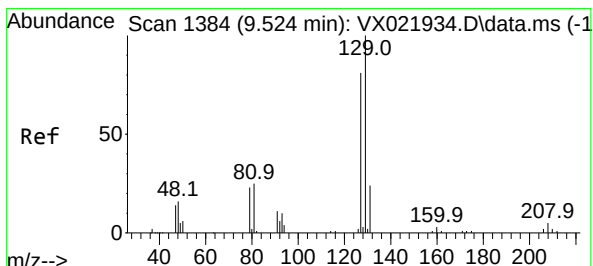
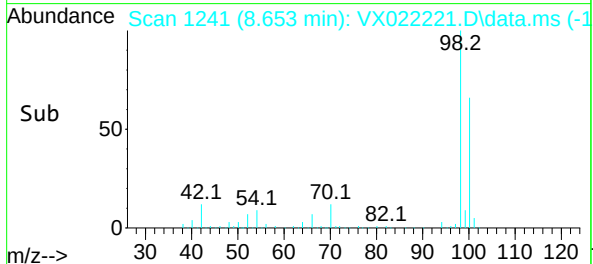
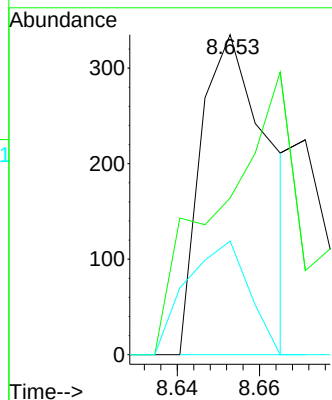
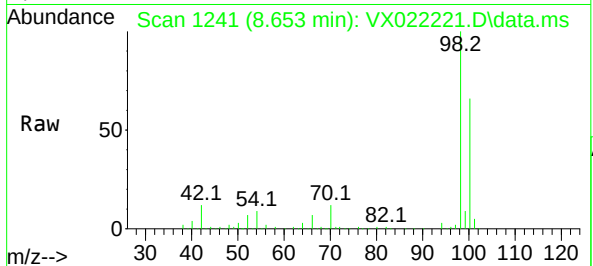




#51
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.469 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

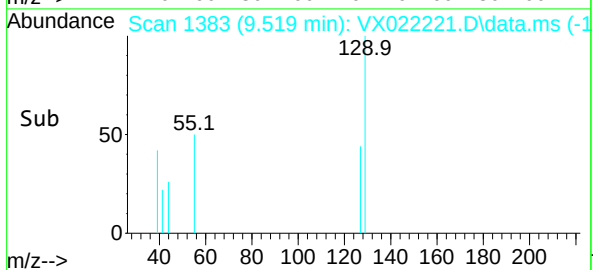
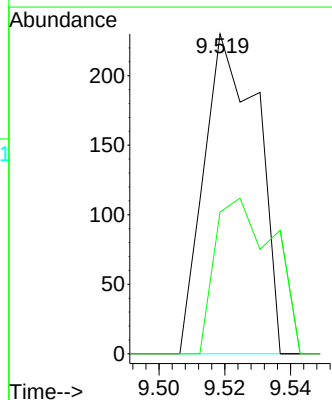
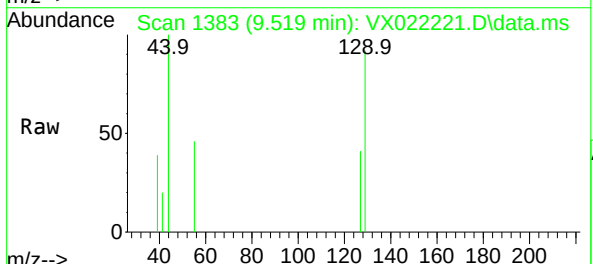
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

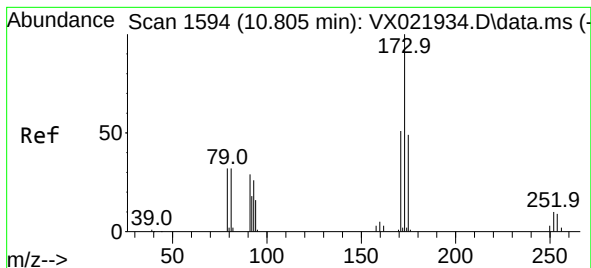
Tgt Ion: 69 Resp: 387
Ion Ratio Lower Upper
69 100
41 6.3 31.1 93.5#
39 35.5 18.3 54.9



#53
Dibromochloromethane
Concen: 0.23 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 129 Resp: 259
Ion Ratio Lower Upper
129 100
127 53.3 39.0 116.9

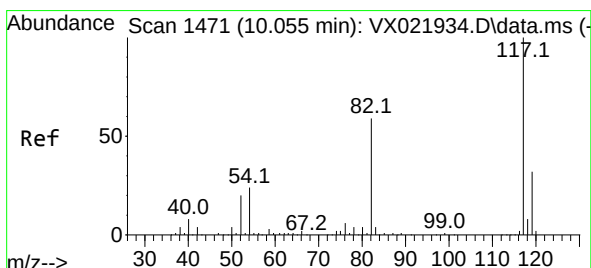
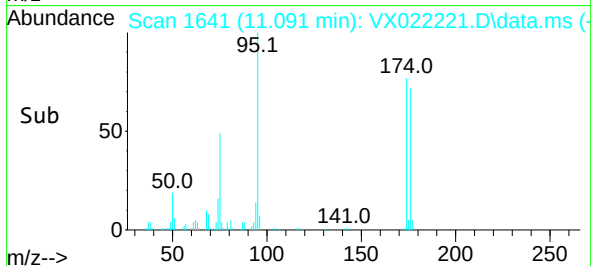
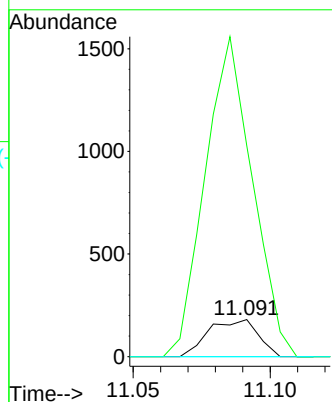
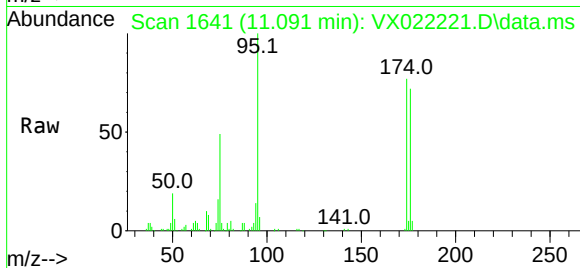




#56
Bromoform
Concen: 0.32 ug/l
RT: 11.091 min Scan# 1641
Delta R.T. 0.287 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

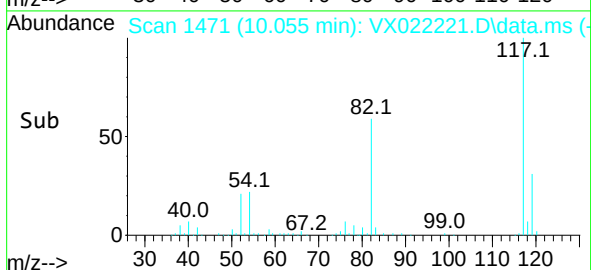
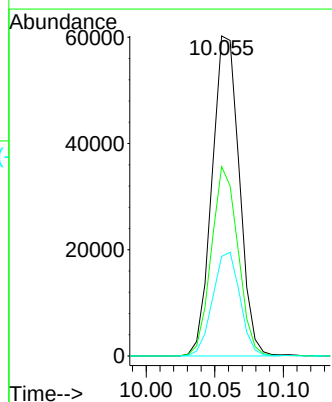
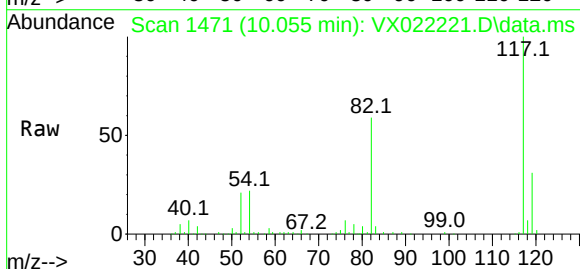
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

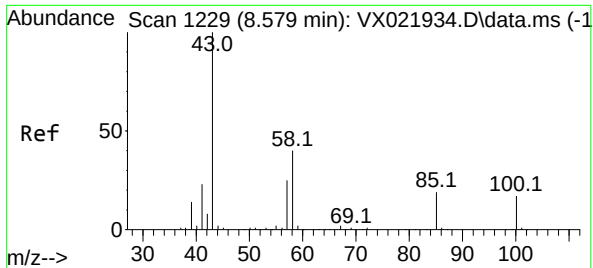
Tgt Ion:173 Resp: 228
Ion Ratio Lower Upper
173 100
175 821.1 39.4 59.2#
254 0.0 8.0 12.0#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion:117 Resp: 83405
Ion Ratio Lower Upper
117 100
82 57.7 44.9 67.3
119 32.4 25.0 37.6

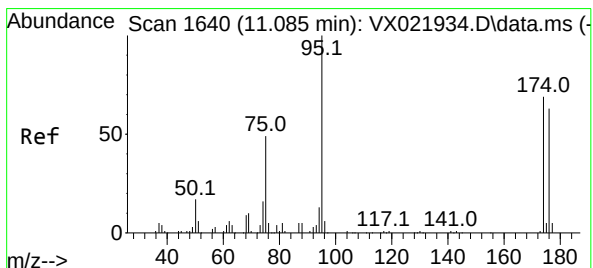
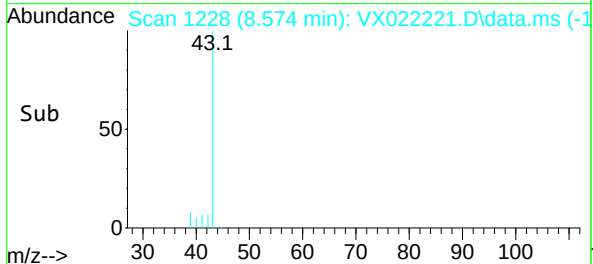
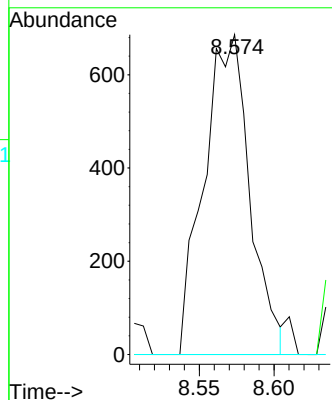
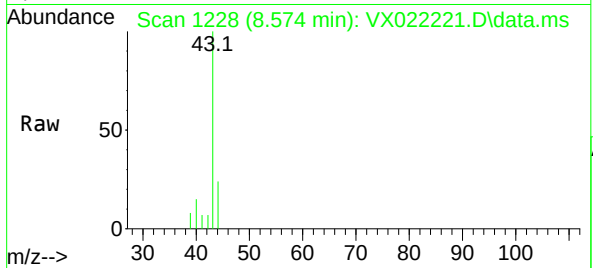




#58
4-Methyl-2-Pentanone
Concen: 0.87 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.005 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

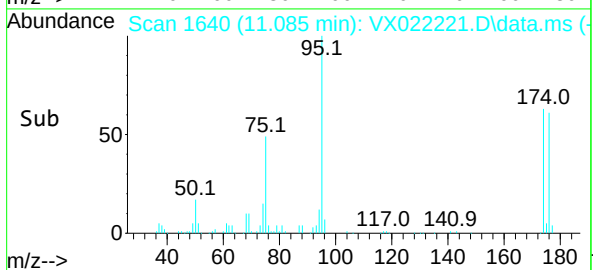
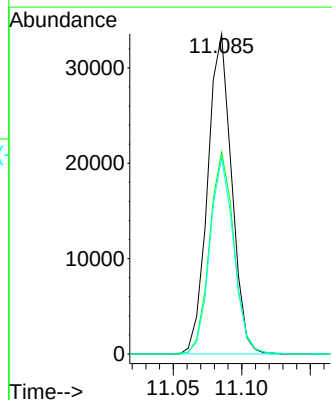
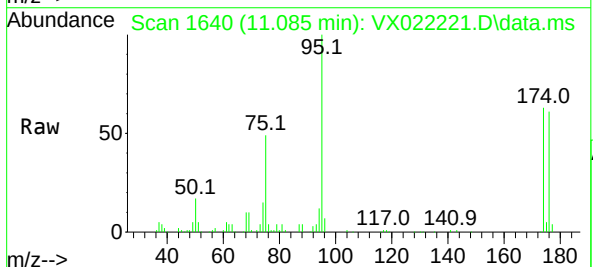
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

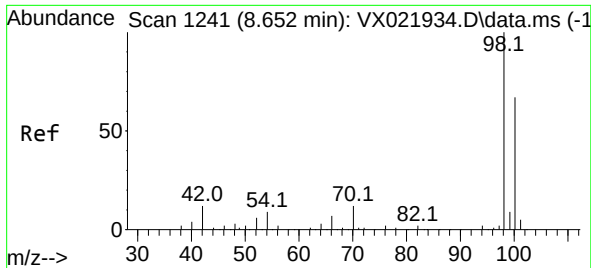
Tgt Ion: 43 Resp: 1463
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.6#
85 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 29.49 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 95 Resp: 40817
Ion Ratio Lower Upper
95 100
174 63.7 52.2 78.2
176 61.0 49.3 73.9

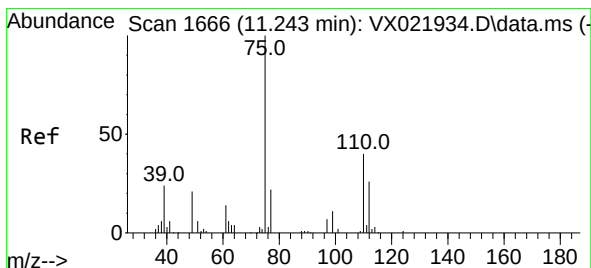
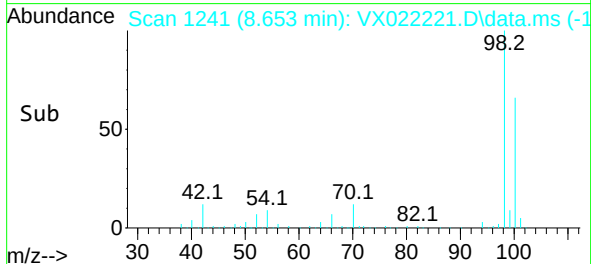
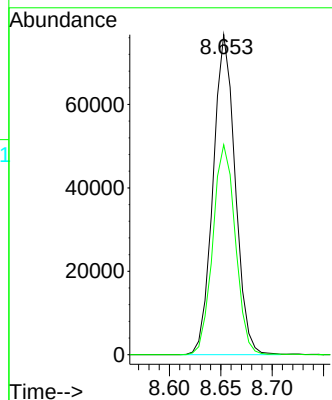
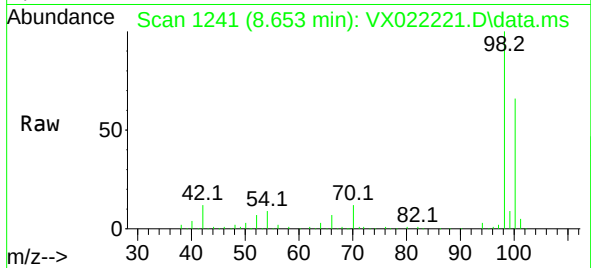




#63
Toluene-d8
Concen: 30.07 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

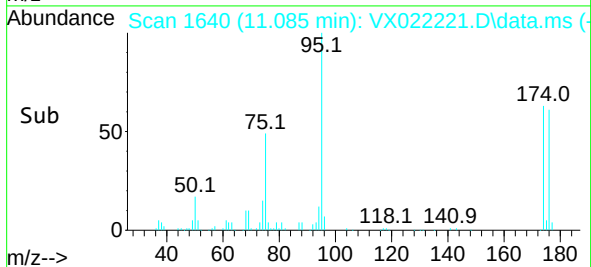
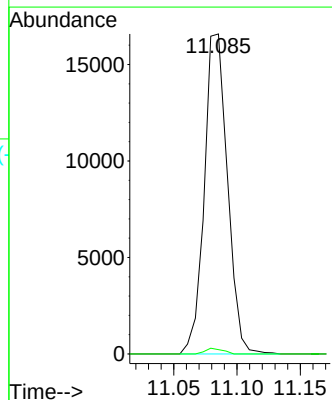
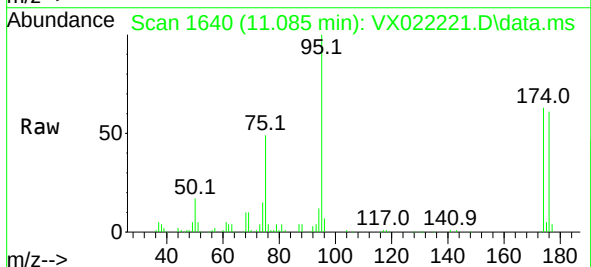
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

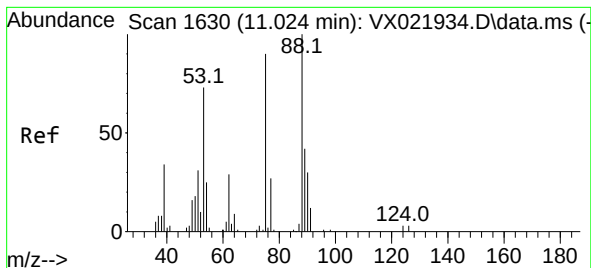
Tgt Ion: 98 Resp: 114622
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#72
1,2,3-Trichloropropane
Concen: 14.23 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 75 Resp: 21181
Ion Ratio Lower Upper
75 100
77 1.3 0.0 33.0

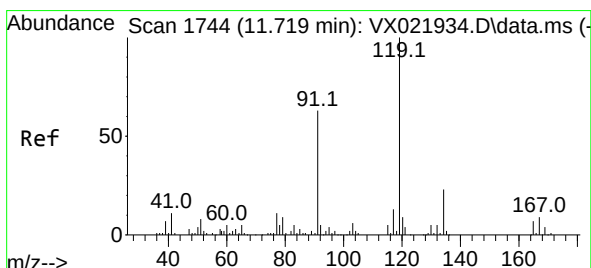
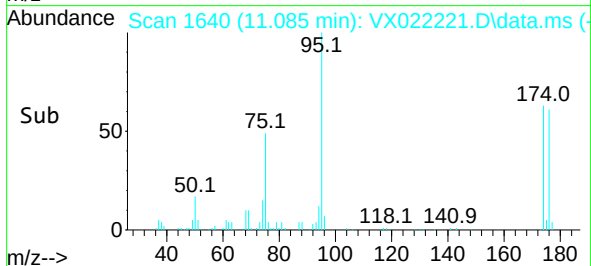
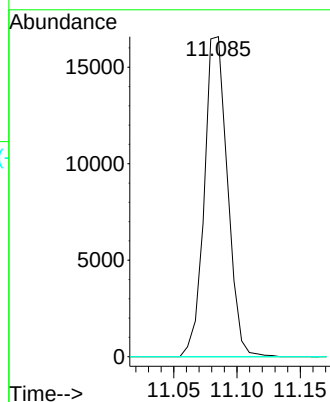
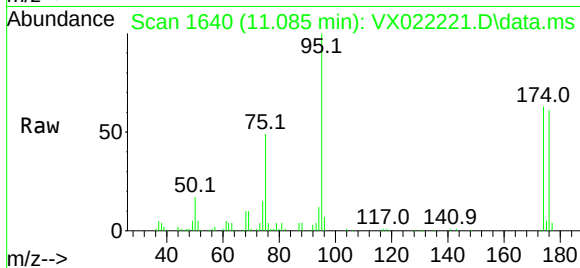




#77
t-1,4-Dichloro-2-butene
Concen: 35.11 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

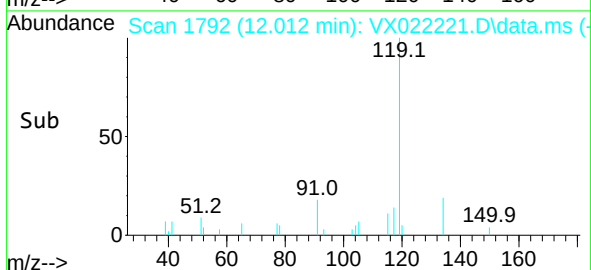
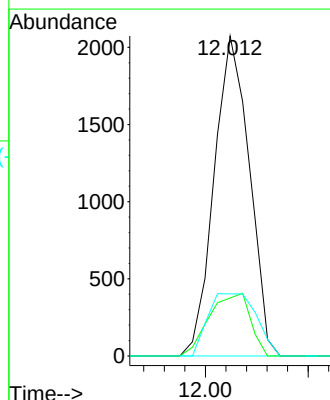
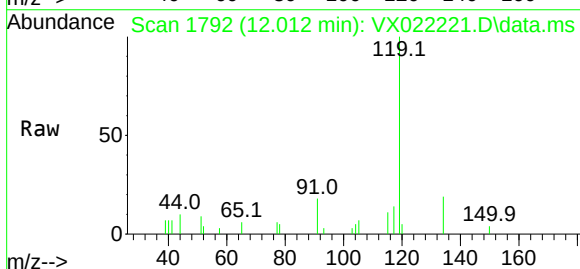
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

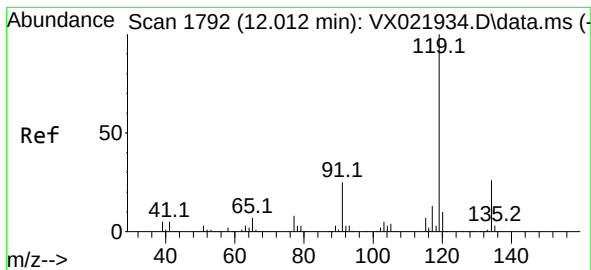
Tgt Ion: 75 Resp: 21181
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#



#79
tert-butylbenzene
Concen: 0.61 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.293 min
Lab File: VX022221.D
Acq: 27 May 2021 02:06

Tgt Ion: 119 Resp: 2470
Ion Ratio Lower Upper
119 100
91 22.7 0.0 123.0
134 26.8 0.0 45.4





#82
 p-Isopropyltoluene
 Concen: 0.58 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX022221.D
 Acq: 27 May 2021 02:06

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

Tgt Ion:	119	Resp:	2470
Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	50.4
91	22.7	0.0	51.0

