

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022258.D
 Acq On : 28 May 2021 17:10
 Operator : JC/MD
 Sample : M2483-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 29 03:52:19 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)

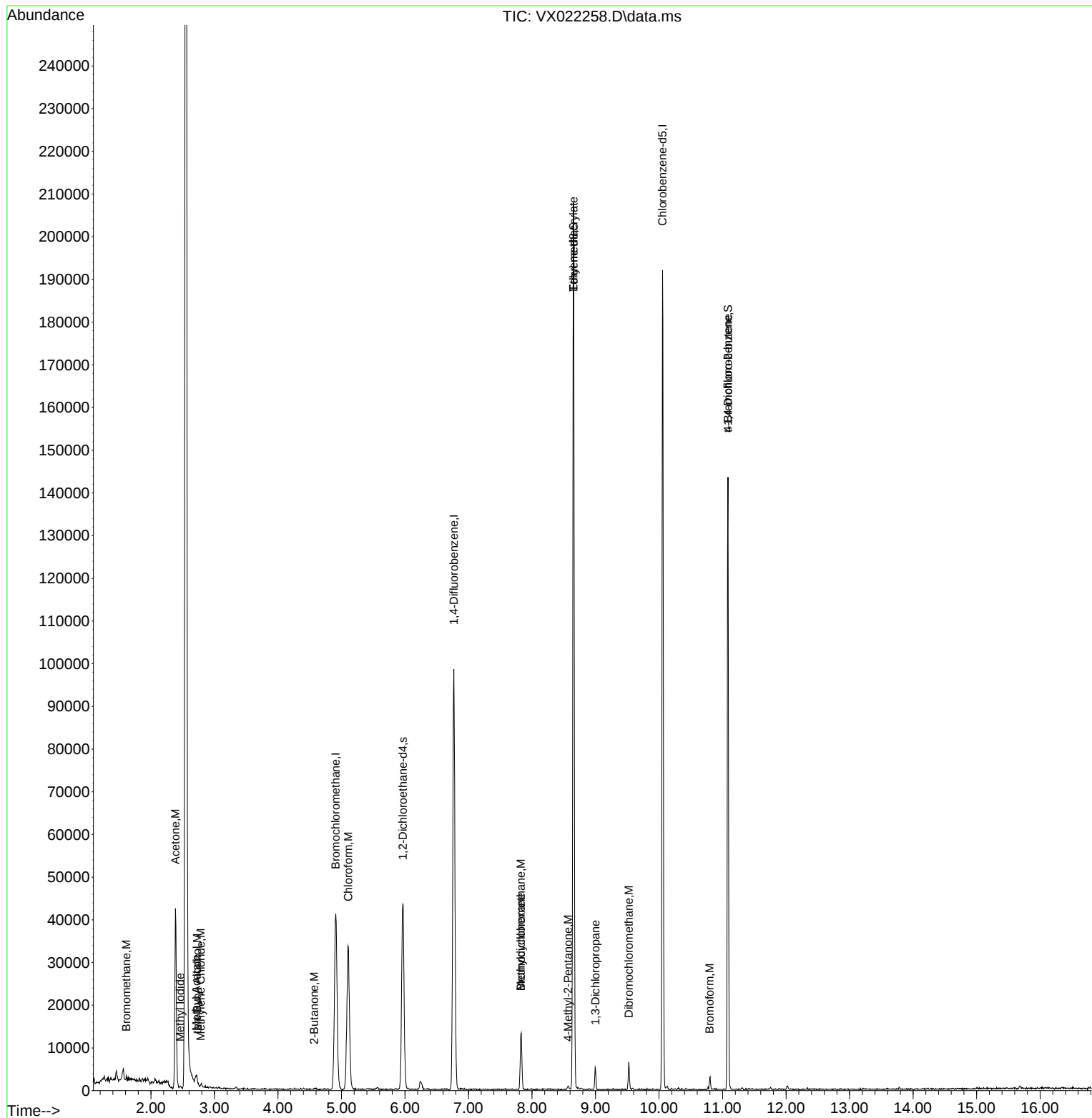
Internal Standards						
1) Bromochloromethane	4.910	128	16650	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	96510	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	82475	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	40018	31.20	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.00%
60) 4-Bromofluorobenzene	11.085	95	40914	29.89	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.63%
63) Toluene-d8	8.653	98	116743	30.98	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.27%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	221	0.32	ug/l #	56
11) Methyl Iodide	2.459	142	353	0.36	ug/l #	80
12) Methyl Acetate	2.715	43	3251	2.38	ug/l	93
15) Acetone	2.386	58	14318	85.90	ug/l	95
18) Methylene Chloride	2.782	84	244	0.21	ug/l #	16
23) tert-Butyl Alcohol	2.727	59	55	0.20	ug/l #	100
25) Chloroform	5.105	83	37108	18.59	ug/l	97
30) 2-Butanone	4.568	43	217	0.25	ug/l #	54
38) Methylcyclohexane	7.824	83	8139	4.75	ug/l #	19
41) Bromodichloromethane	7.824	83	8223	5.14	ug/l	90
51) Ethyl methacrylate	8.653	69	560	0.30	ug/l #	61
52) 1,3-Dichloropropane	9.000	76	622	0.31	ug/l #	43
53) Dibromochloromethane	9.525	129	2343	2.05	ug/l	99
56) Bromoform	10.799	173	982	1.35	ug/l #	92
58) 4-Methyl-2-Pentanone	8.568	43	1245	0.75	ug/l #	43
77) t-1,4-Dichloro-2-butene	11.085	75	20999	35.20	ug/l #	17

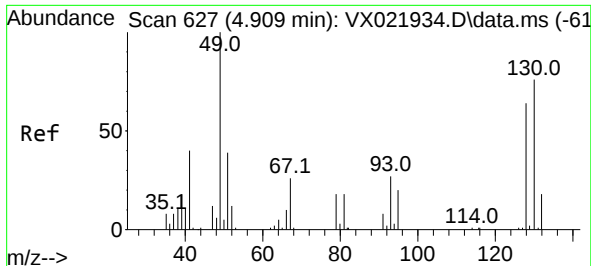
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
Data File : VX022258.D
Acq On : 28 May 2021 17:10
Operator : JC/MD
Sample : M2483-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 29 03:52:19 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

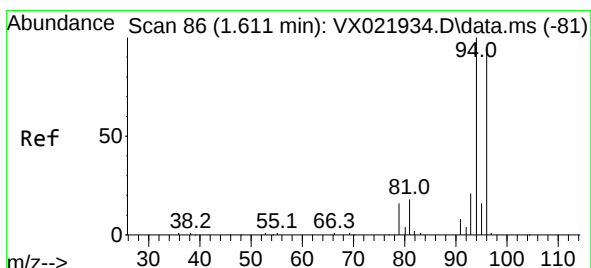
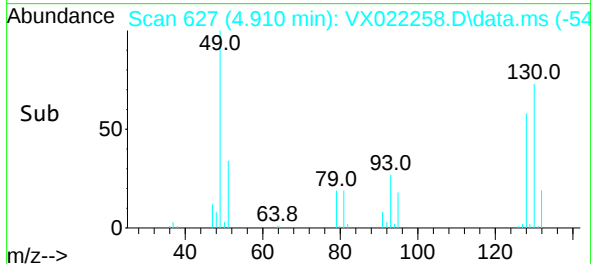
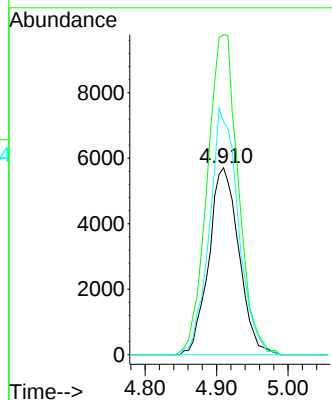
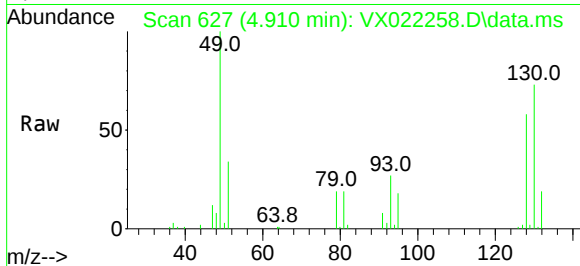




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 4.910 min Scan# 627
 Delta R.T. 0.001 min
 Lab File: VX022258.D
 Acq: 28 May 2021 17:10

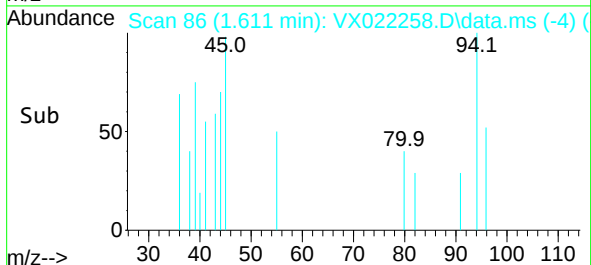
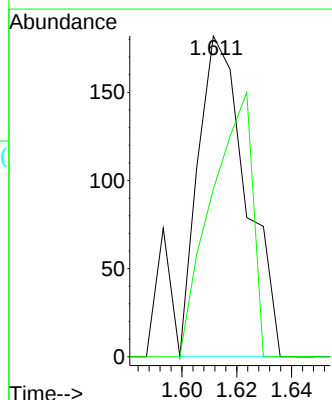
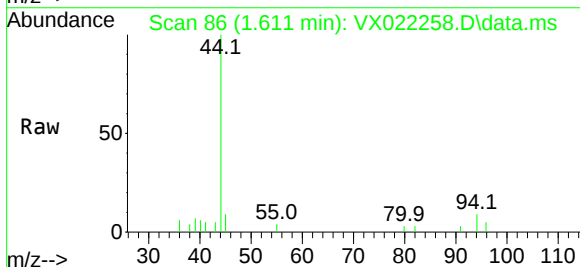
Instrument :
 MSVOA_X
 ClientSampleId :
 DSN-001-SEWER-OUTLET-001

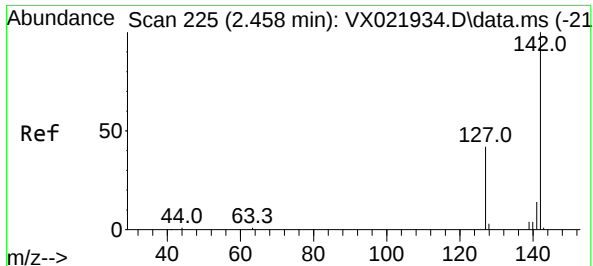
Tgt Ion:	128	Resp:	16650
Ion	Ratio	Lower	Upper
128	100		
49	177.1	0.0	442.5
130	127.2	0.0	323.3



#5
 Bromomethane
 Concen: 0.32 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX022258.D
 Acq: 28 May 2021 17:10

Tgt Ion:	94	Resp:	221
Ion	Ratio	Lower	Upper
94	100		
96	52.2	76.1	114.1#

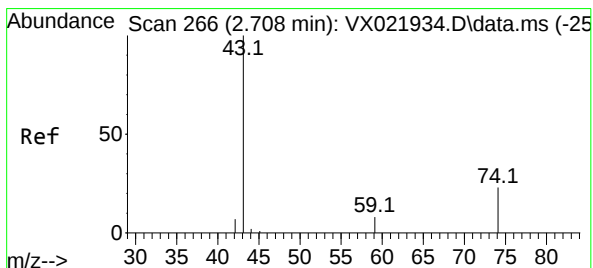
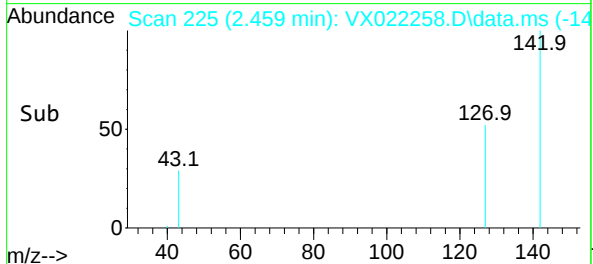
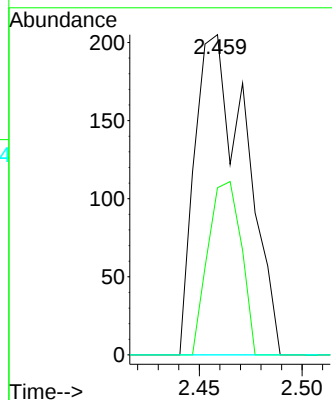
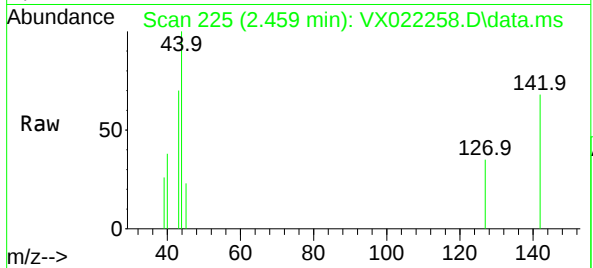




#11
Methyl Iodide
Concen: 0.36 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

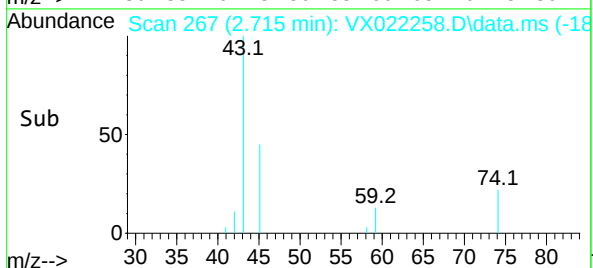
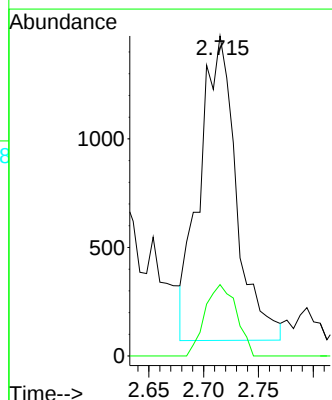
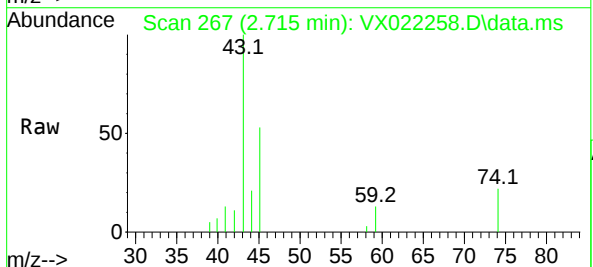
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

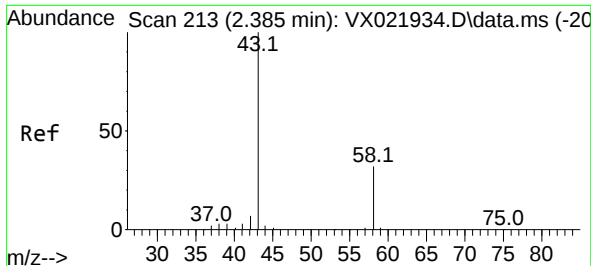
Tgt Ion:142 Resp: 353
Ion Ratio Lower Upper
142 100
127 52.2 21.3 63.7
141 0.0 7.2 21.6#



#12
Methyl Acetate
Concen: 2.38 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

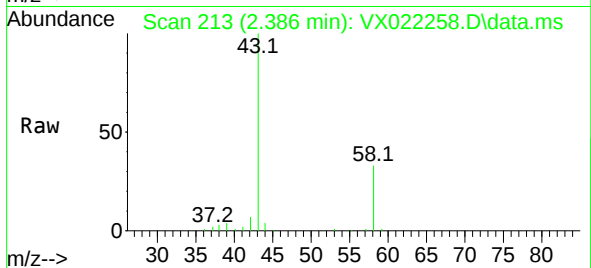
Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
74 26.6 18.5 27.7



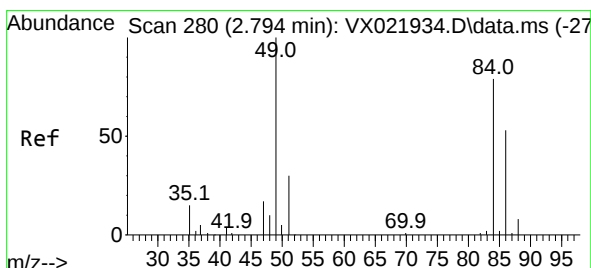
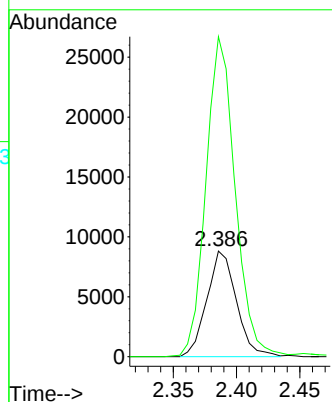
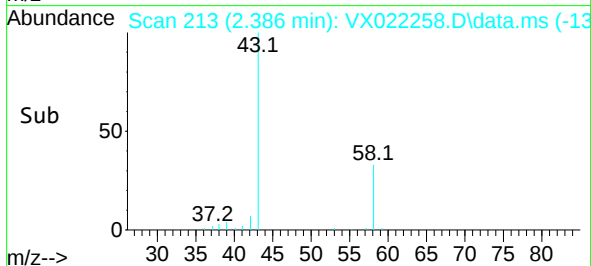


#15
Acetone
Concen: 85.90 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

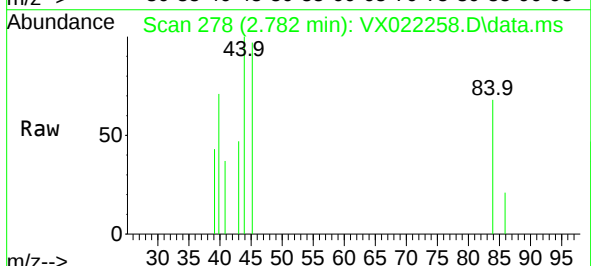
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001



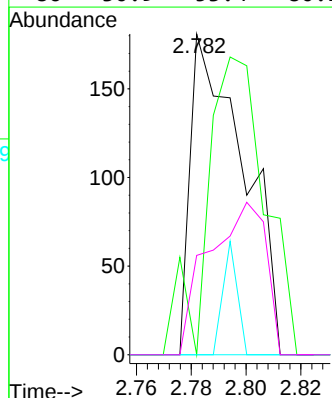
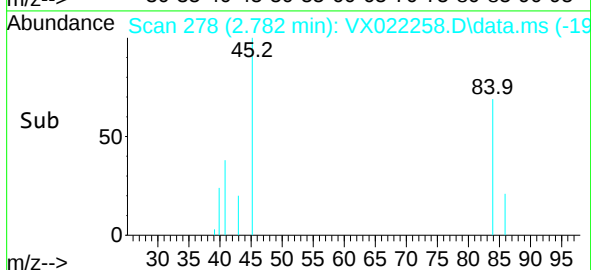
Tgt Ion: 58 Resp: 14318
Ion Ratio Lower Upper
58 100
43 301.7 249.5 374.3

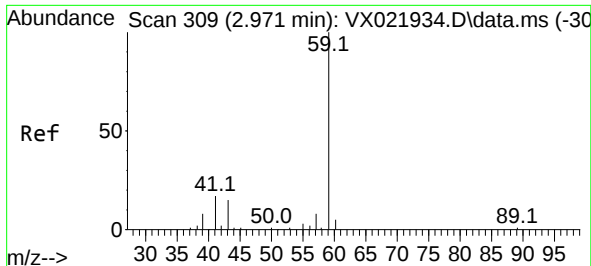


#18
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10



Tgt Ion: 84 Resp: 244
Ion Ratio Lower Upper
84 100
49 0.0 101.6 152.4#
51 0.0 30.5 45.7#
86 30.9 53.4 80.2#

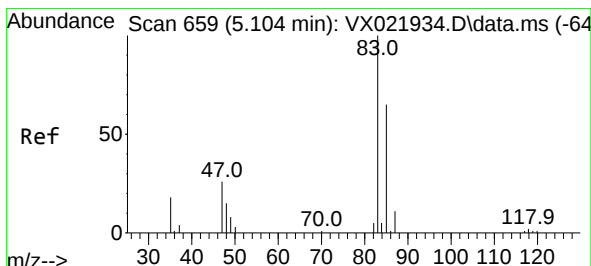
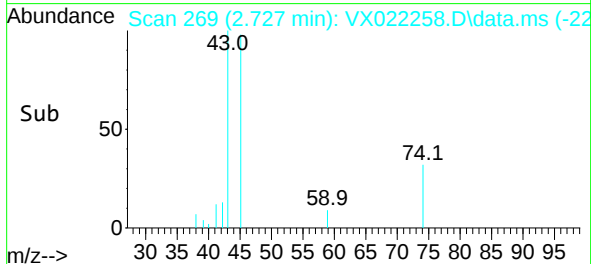
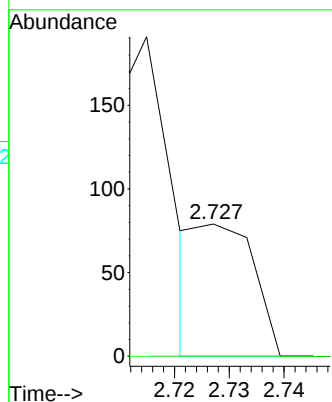
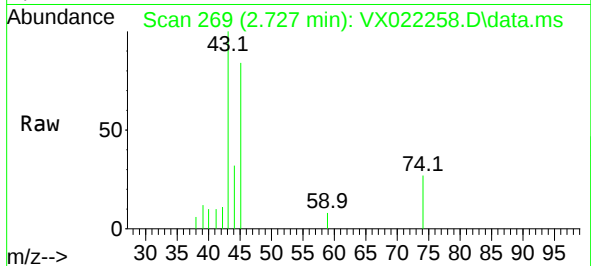




#23
tert-Butyl Alcohol
Concen: 0.20 ug/l
RT: 2.727 min Scan# 269
Delta R.T. -0.244 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

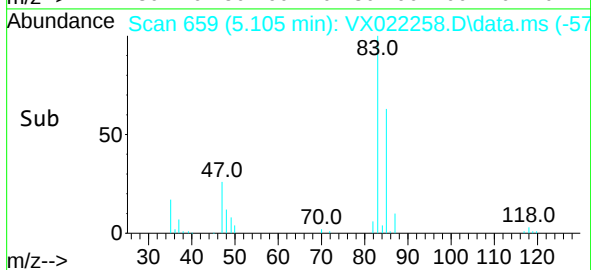
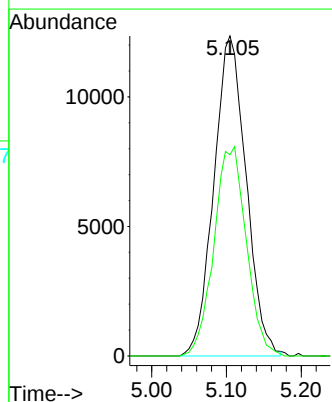
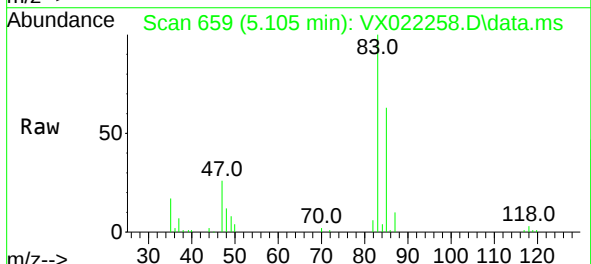
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

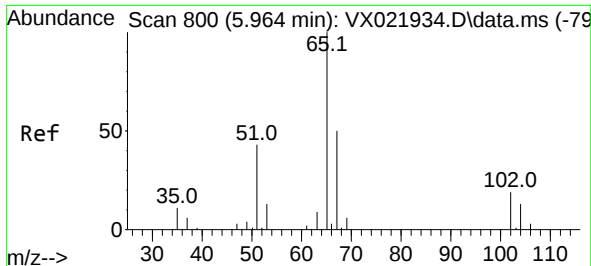
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 18.59 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

Tgt Ion: 83 Resp: 37108
Ion Ratio Lower Upper
83 100
85 62.9 51.9 77.9





#27

1,2-Dichloroethane-d4

Concen: 31.20 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022258.D

Acq: 28 May 2021 17:10

Tgt Ion: 65 Resp: 40018

Ion Ratio Lower Upper

65 100

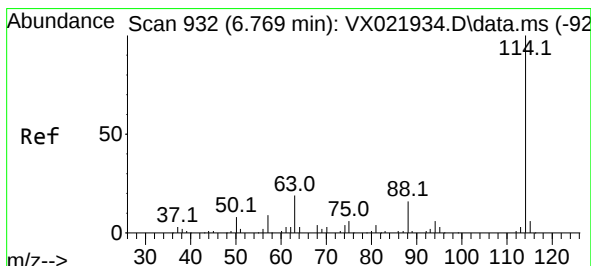
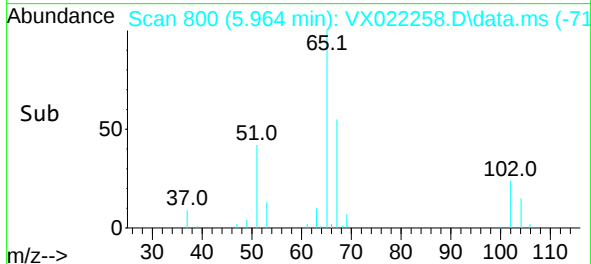
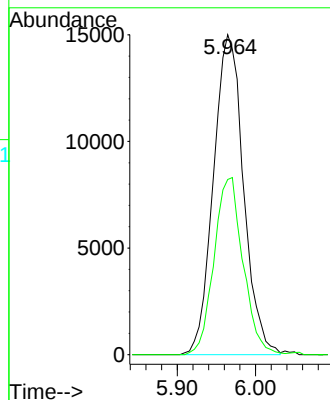
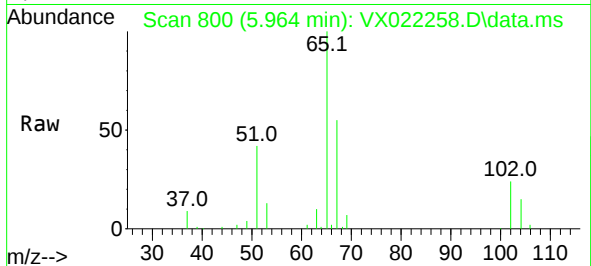
67 53.3 41.5 62.3

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022258.D

Acq: 28 May 2021 17:10

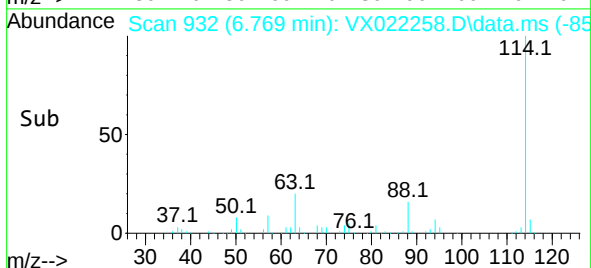
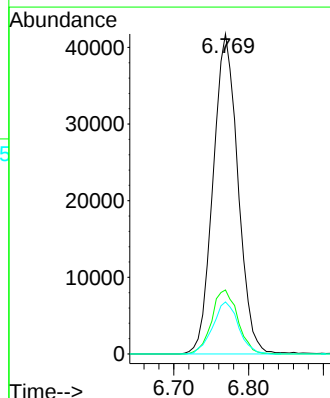
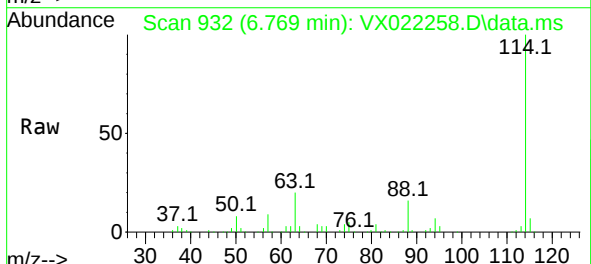
Tgt Ion: 114 Resp: 96510

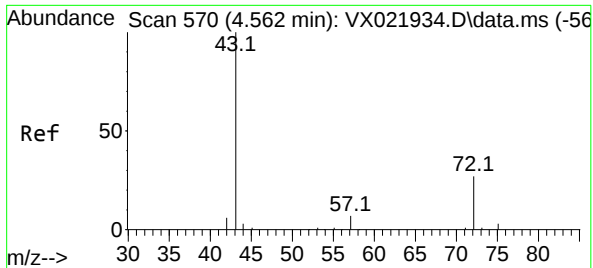
Ion Ratio Lower Upper

114 100

63 20.9 16.6 25.0

88 16.8 13.1 19.7

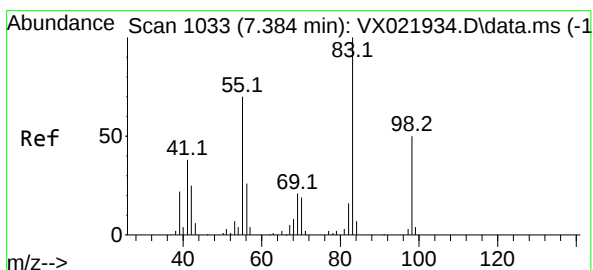
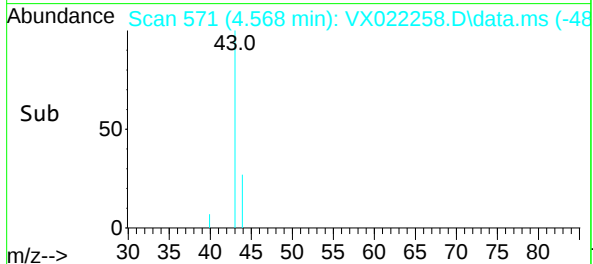
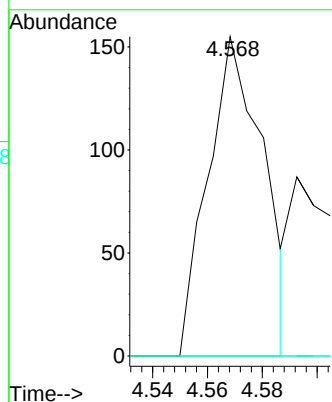
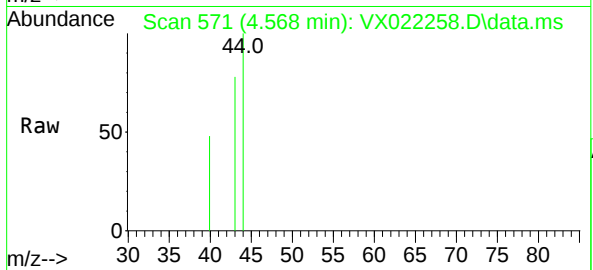




#30
2-Butanone
Concen: 0.25 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

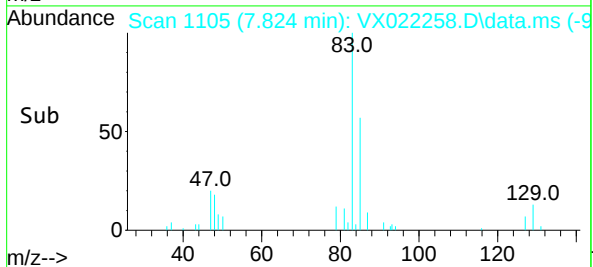
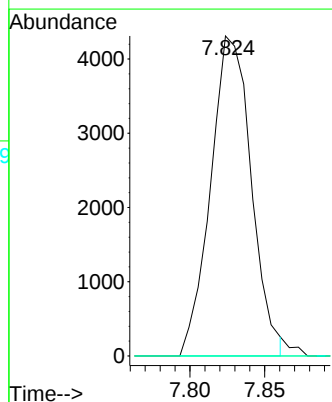
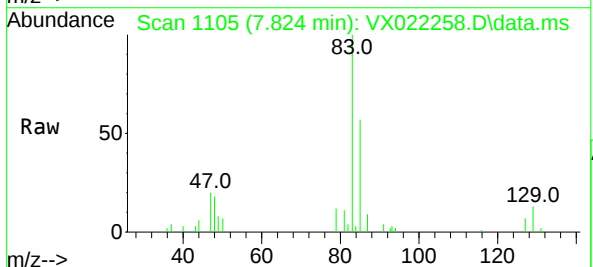
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

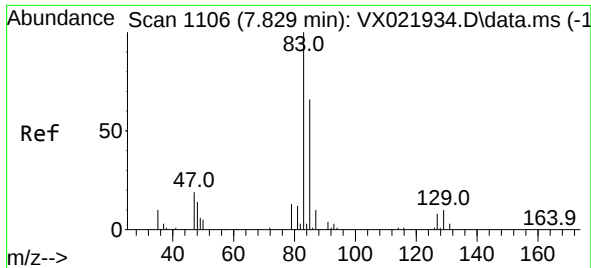
Tgt Ion: 43 Resp: 217
Ion Ratio Lower Upper
43 100
57 0.0 6.4 9.6#
72 0.0 22.1 33.1#



#38
Methylcyclohexane
Concen: 4.75 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.439 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

Tgt Ion: 83 Resp: 8139
Ion Ratio Lower Upper
83 100
55 0.0 36.4 109.2#
98 0.0 25.3 75.9#

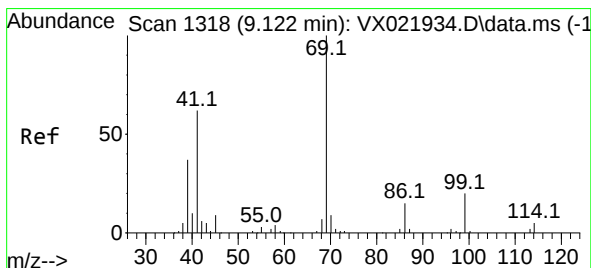
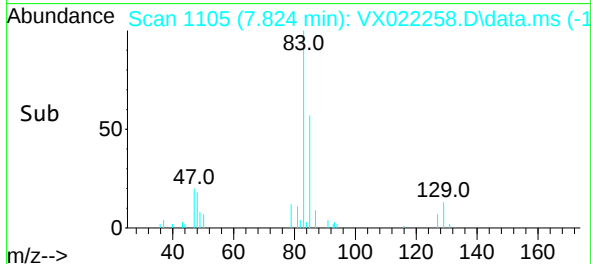
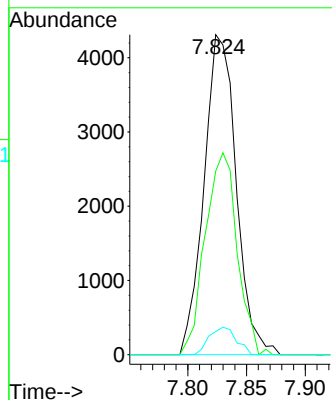
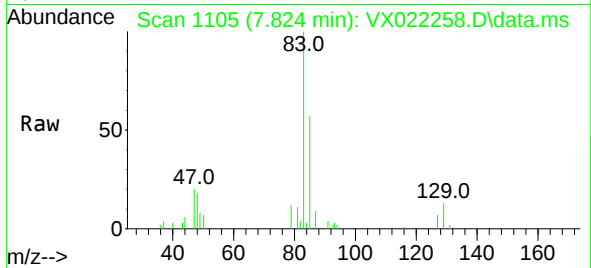




#41
Bromodichloromethane
Concen: 5.14 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

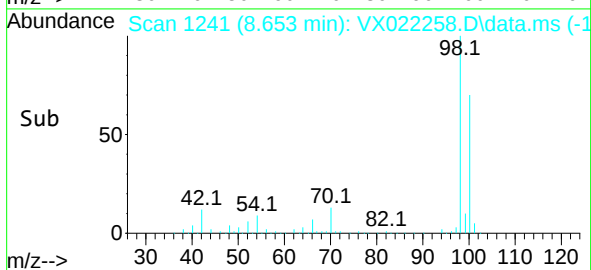
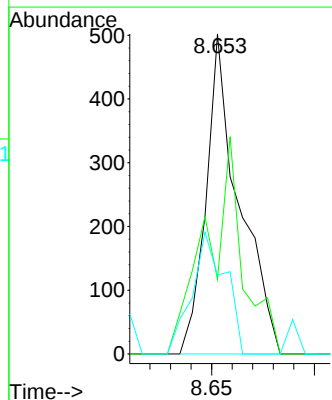
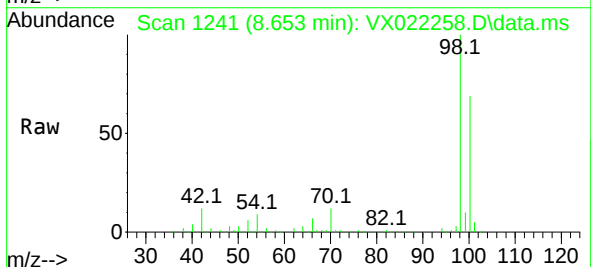
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

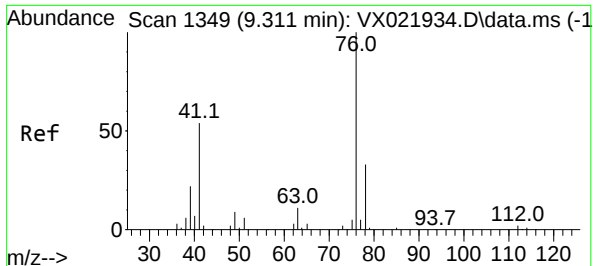
Tgt Ion: 83	Resp: 8223
Ion Ratio	Lower Upper
83 100	
85 57.4	52.6 78.8
127 7.2	6.1 9.1



#51
Ethyl methacrylate
Concen: 0.30 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.469 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

Tgt Ion: 69	Resp: 560
Ion Ratio	Lower Upper
69 100	
41 23.3	31.1 93.5#
39 24.7	18.3 54.9

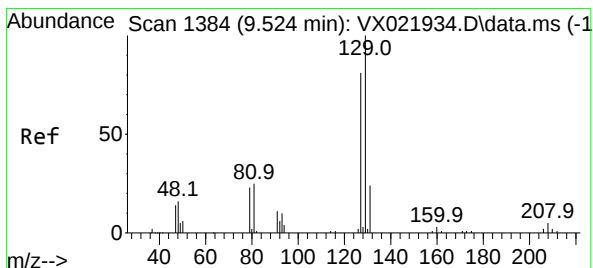
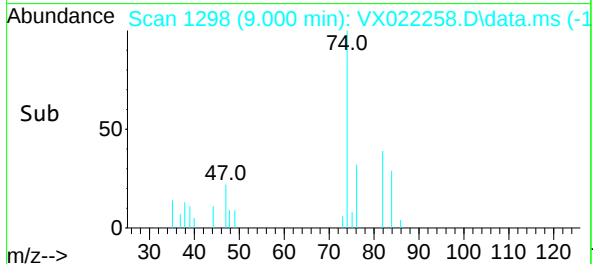
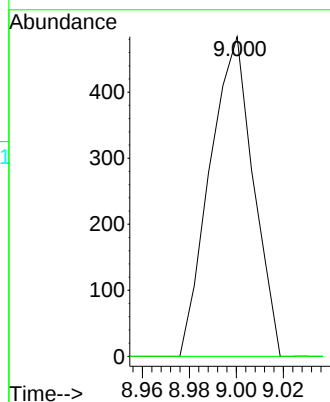
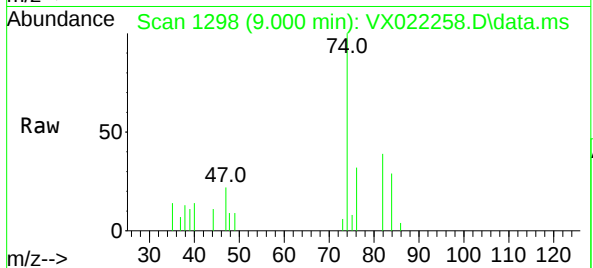




#52
1,3-Dichloropropane
Concen: 0.31 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. -0.311 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

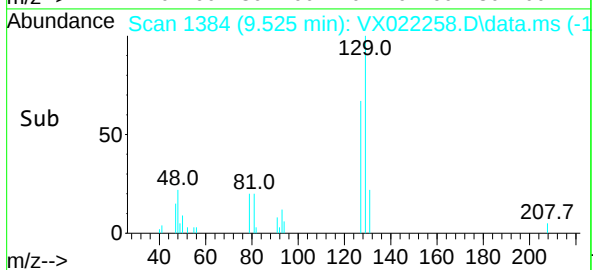
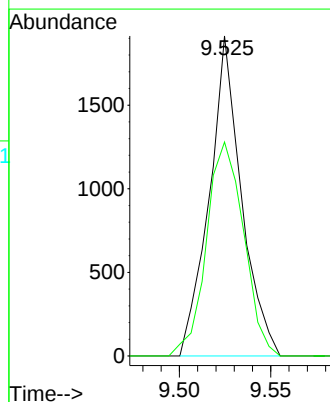
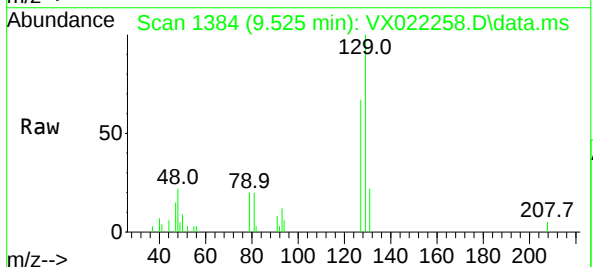
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

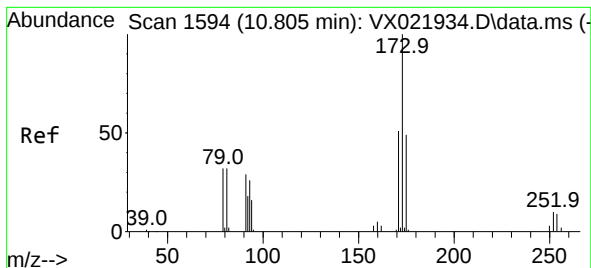
Tgt Ion: 76 Resp: 622
Ion Ratio Lower Upper
76 100
78 0.0 0.0 64.2



#53
Dibromochloromethane
Concen: 2.05 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

Tgt Ion: 129 Resp: 2343
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





#56

Bromoform

Concen: 1.35 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.006 min

Lab File: VX022258.D

Acq: 28 May 2021 17:10

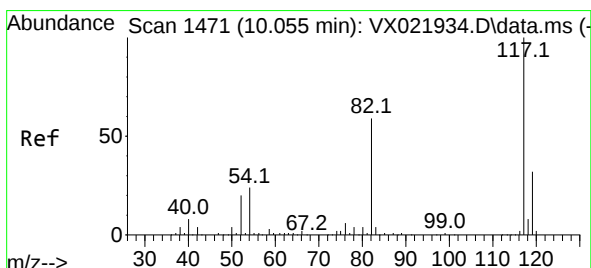
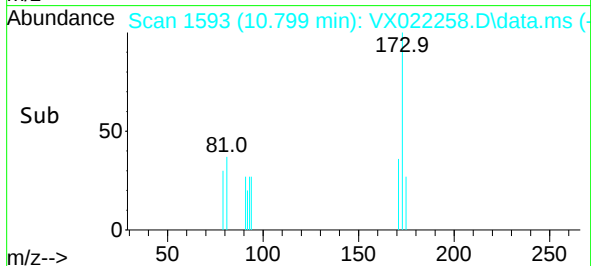
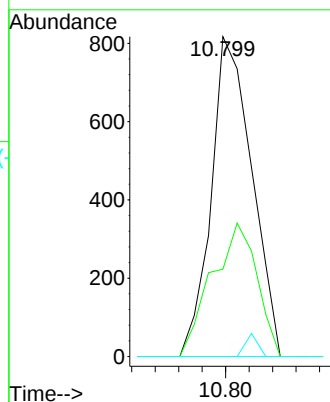
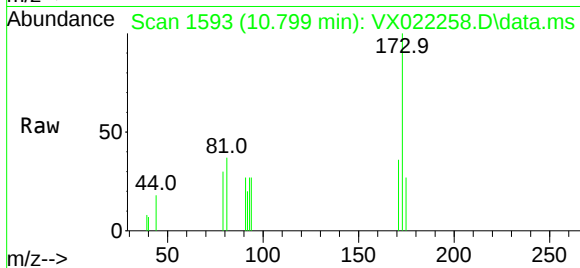
Tgt Ion:173	Resp:	982
Ion Ratio	Lower	Upper
173	100	
175	46.1	39.4 59.2
254	0.0	8.0 12.0#

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

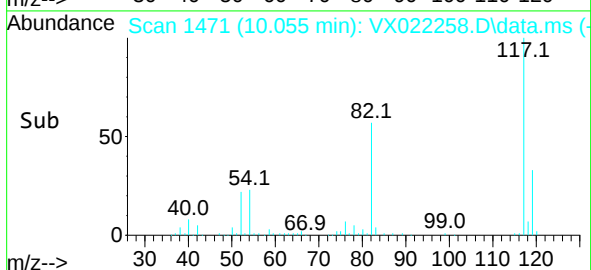
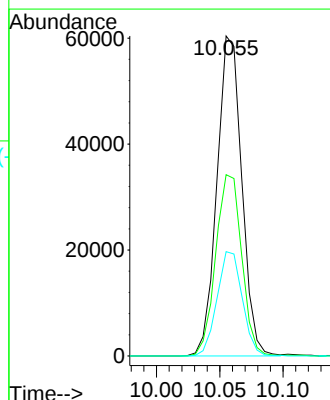
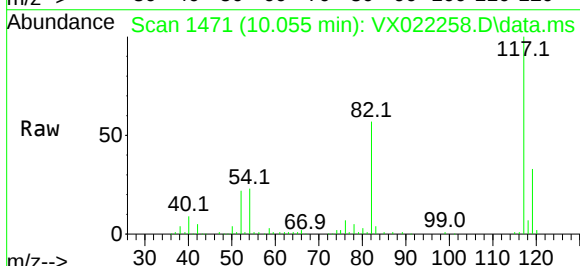
RT: 10.055 min Scan# 1471

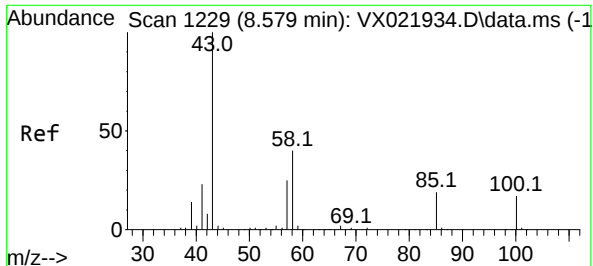
Delta R.T. 0.000 min

Lab File: VX022258.D

Acq: 28 May 2021 17:10

Tgt Ion:117	Resp:	82475
Ion Ratio	Lower	Upper
117	100	
82	59.1	44.9 67.3
119	33.0	25.0 37.6

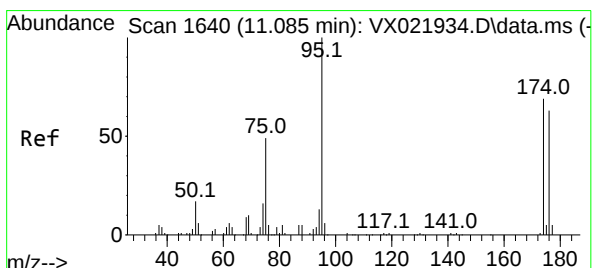
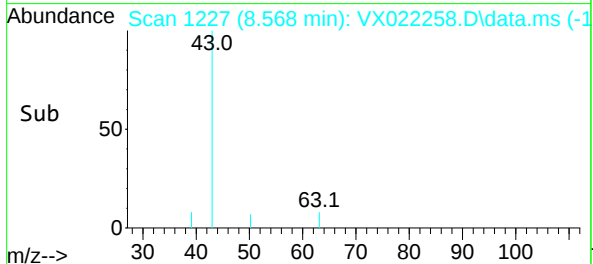
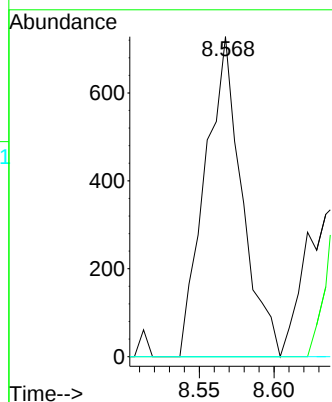
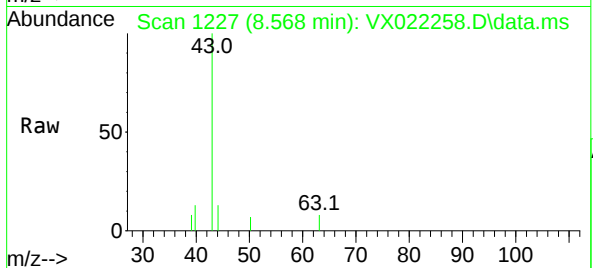




#58
4-Methyl-2-Pentanone
Concen: 0.75 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.011 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

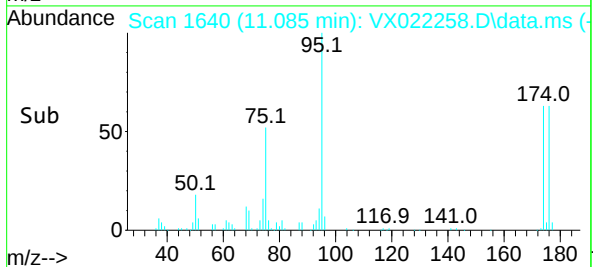
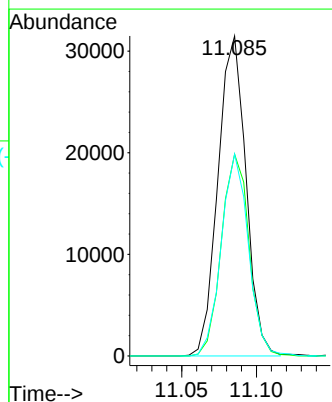
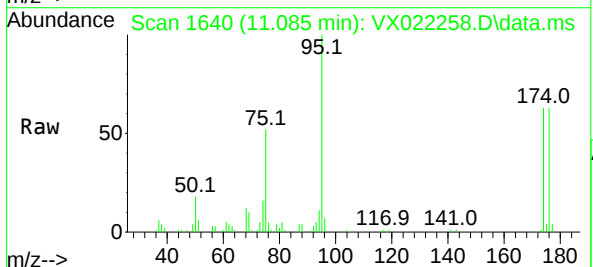
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

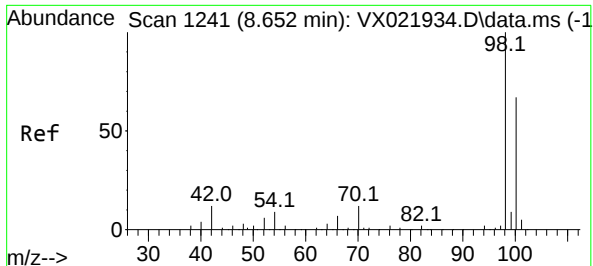
Tgt Ion: 43 Resp: 1245
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.6#
85 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 29.89 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

Tgt Ion: 95 Resp: 40914
Ion Ratio Lower Upper
95 100
174 62.3 52.2 78.2
176 61.4 49.3 73.9

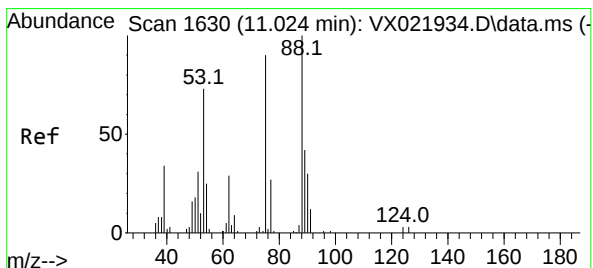
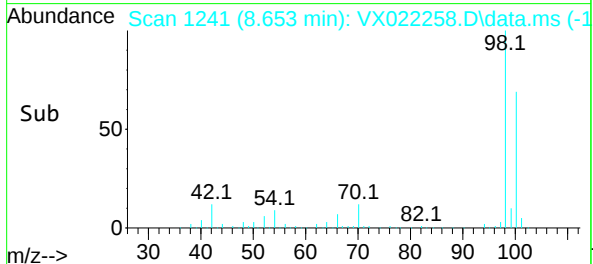
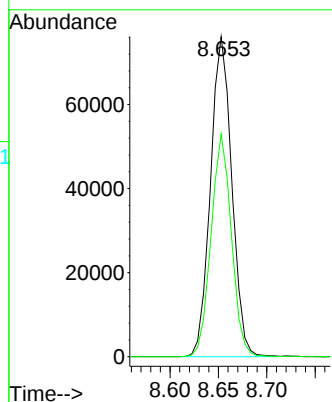
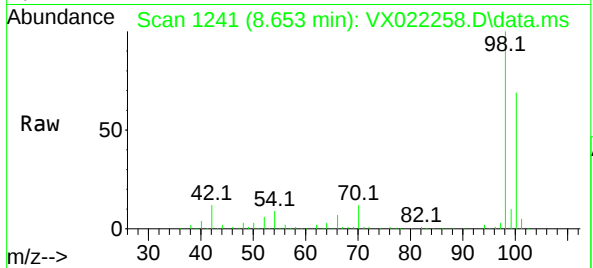




#63
Toluene-d8
Concen: 30.98 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

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

Tgt Ion: 98 Resp: 116743
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#77
t-1,4-Dichloro-2-butene
Concen: 35.20 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022258.D
Acq: 28 May 2021 17:10

Tgt Ion: 75 Resp: 20999
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#

