

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008502.D
 Acq On : 27 Mar 2019 22:49
 Operator : JC/SP
 Sample : K2137-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTLET-01

Quant Time: Mar 28 02:12:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	35923	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	203237	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	175391	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89719	29.86	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.53%
60) 4-Bromofluorobenzene	11.13	95	87681	28.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.63%
63) Toluene-d8	8.71	98	255169	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

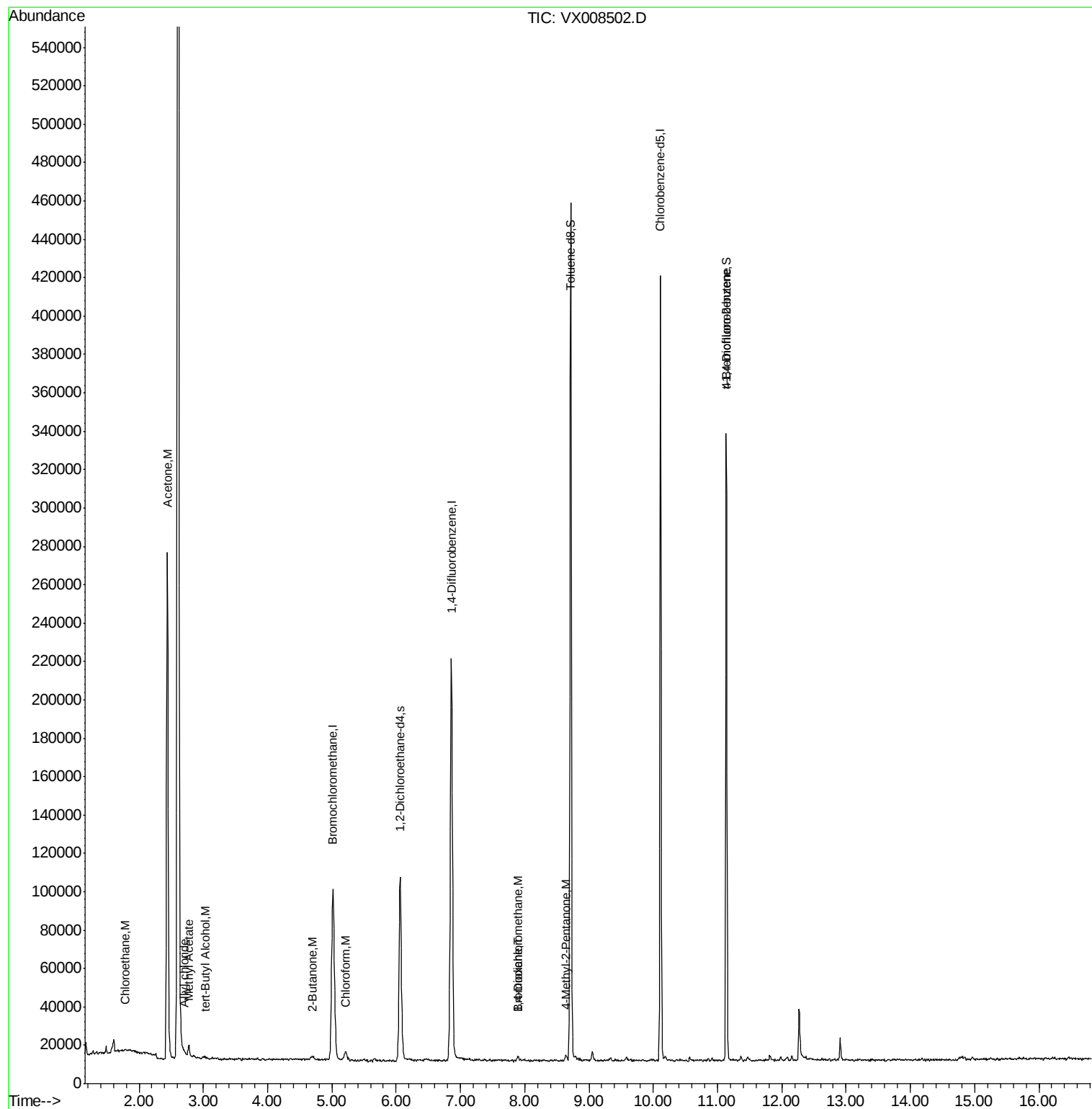
					Ovalue	
6) Chloroethane	1.78	64	470	0.221	ug/l	97
12) Methyl Acetate	2.77	43	6073	3.294	ug/l	91
15) Acetone	2.44	58	85544	162.736	ug/l	93
17) Allyl chloride	2.71	41	1348	0.264	ug/l #	39
23) tert-Butyl Alcohol	3.03	59	400	0.581	ug/l #	100
25) Chloroform	5.21	83	5194	1.148	ug/l	92
30) 2-Butanone	4.69	43	1383	0.550	ug/l #	70
41) Bromodichloromethane	7.90	83	1369	0.405	ug/l #	83
45) 1,4-Dioxane	7.90	88	42	0.577	ug/l #	18
58) 4-Methyl-2-Pentanone	8.64	43	2201	0.476	ug/l	92
77) t-1,4-Dichloro-2-butene	11.13	75	44024	32.752	ug/l #	6

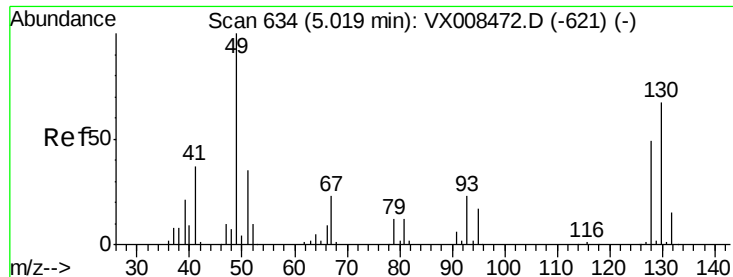
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
Data File : VX008502.D
Acq On : 27 Mar 2019 22:49
Operator : JC/SP
Sample : K2137-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01

Quant Time: Mar 28 02:12:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008502.D

Acq: 27 Mar 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01

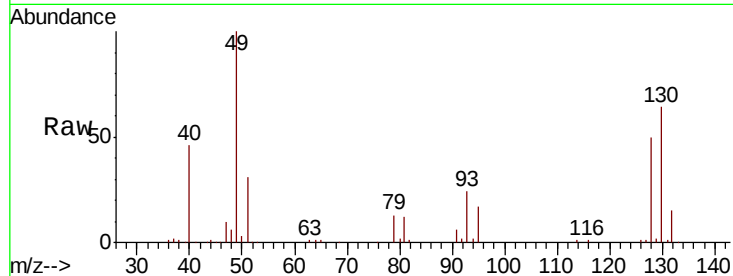
Tot Ion:128 Resp: 35923

Ion Ratio Lower Upper

128 100

49 200.9 0.0 350.8

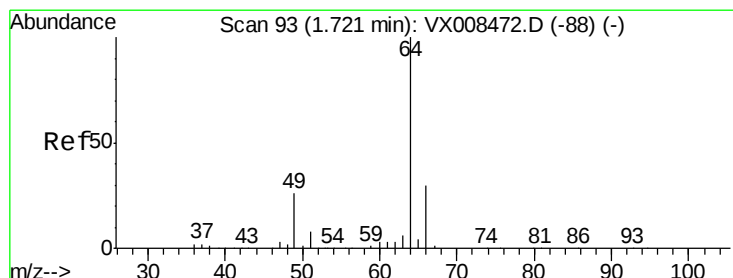
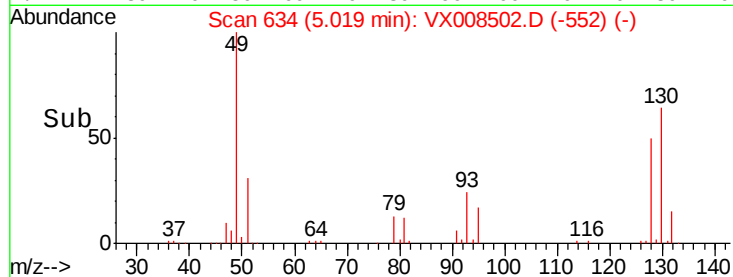
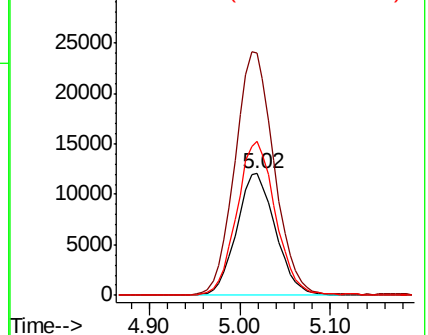
130 125.5 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#6

Chloroethane

Concen: 0.221 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.05 min

Lab File: VX008502.D

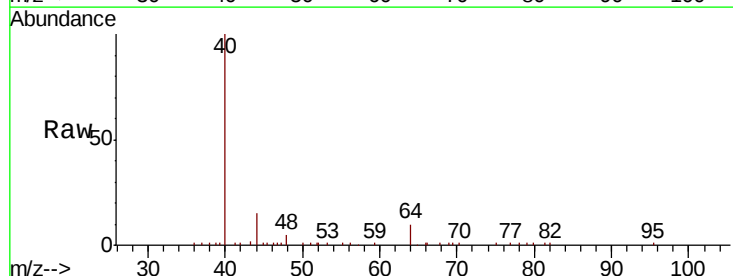
Acq: 27 Mar 2019 22:49

Tgt Ion: 64 Resp: 470

Ion Ratio Lower Upper

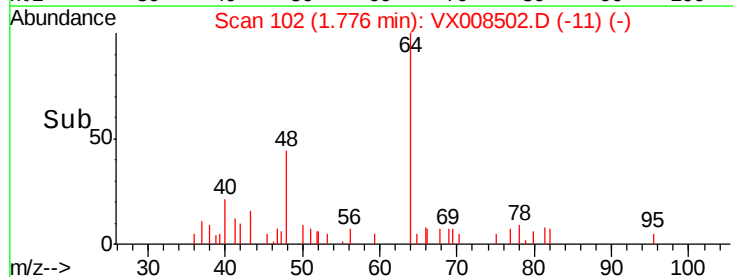
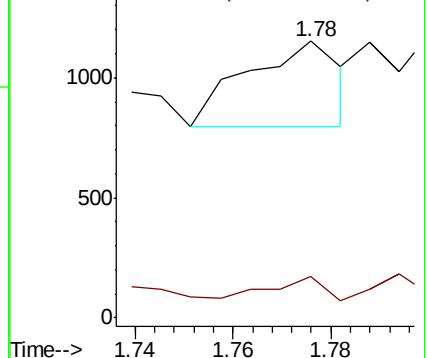
64 100

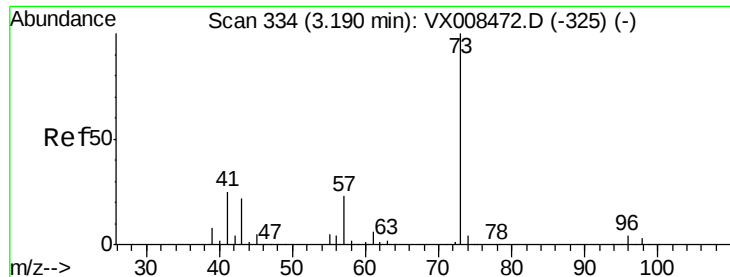
66 28.2 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

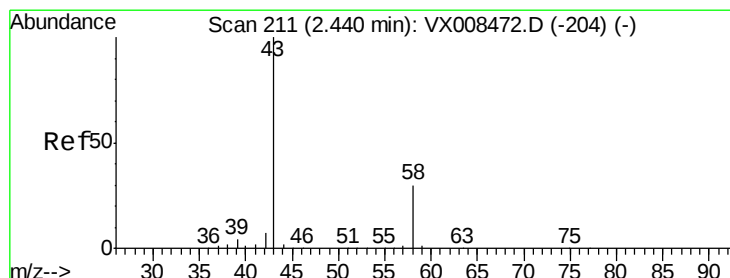
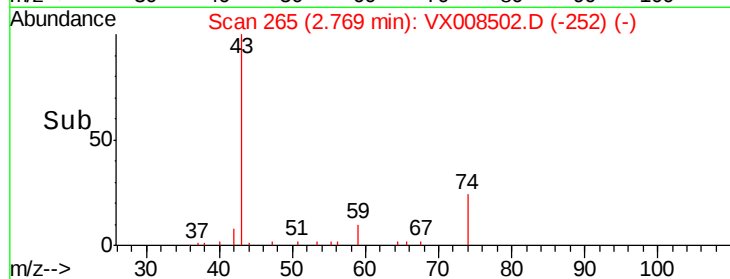
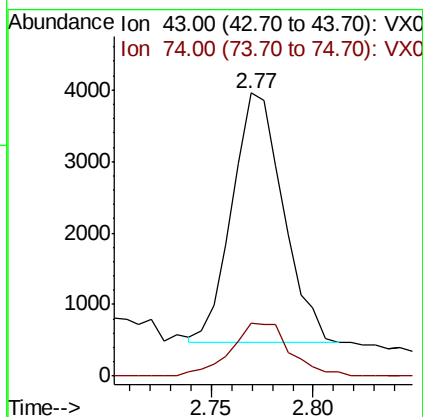
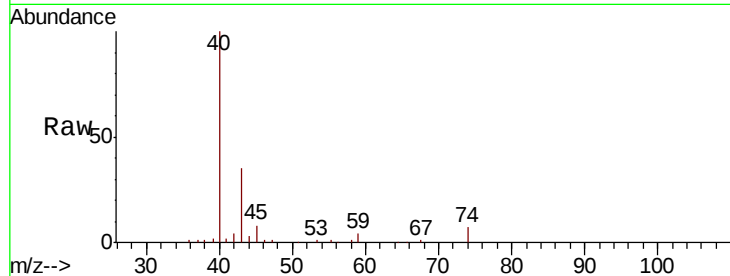




#12
Methvl Acetate
Concen: 3.294 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.42 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

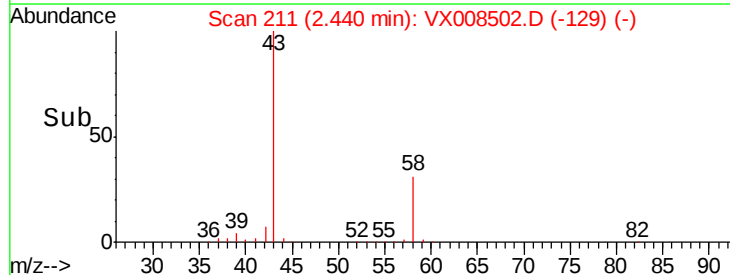
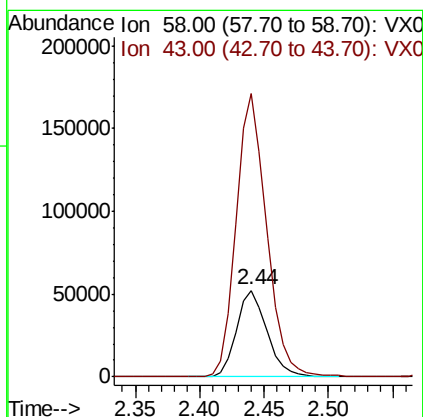
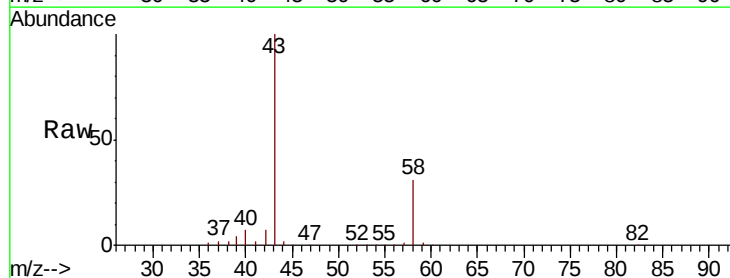
Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01

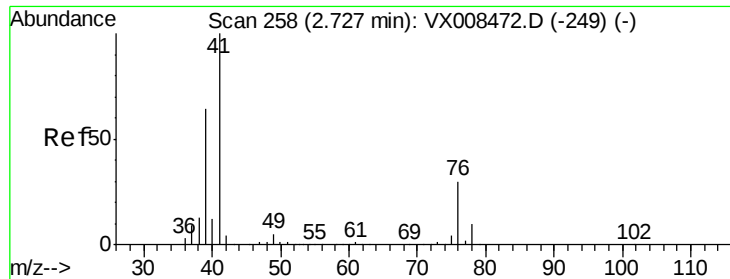
Tot Ion: 43 Resp: 6073
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.0



#15
Acetone
Concen: 162.736 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

Tgt Ion: 58 Resp: 85544
Ion Ratio Lower Upper
58 100
43 326.2 249.8 374.6





#17

Allvl chloride

Concen: 0.264 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX008502.D

Acq: 27 Mar 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01

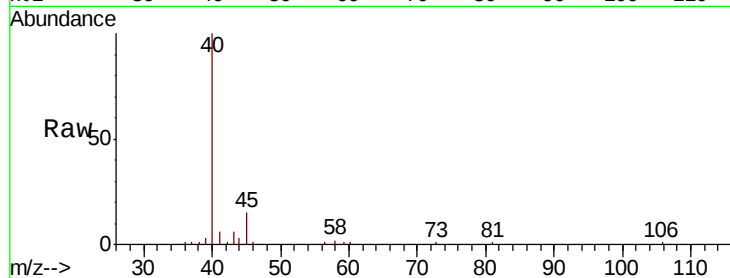
Tot Ion: 41 Resp: 1348

Ion Ratio Lower Upper

41 100

39 21.4 35.8 107.4#

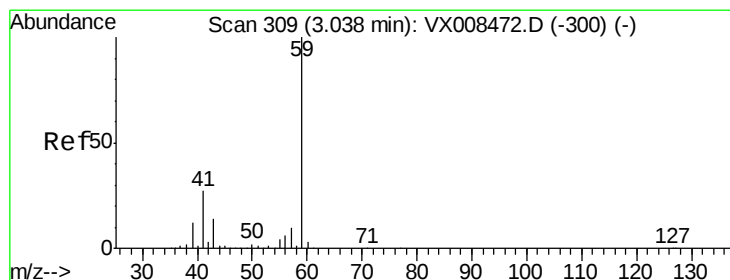
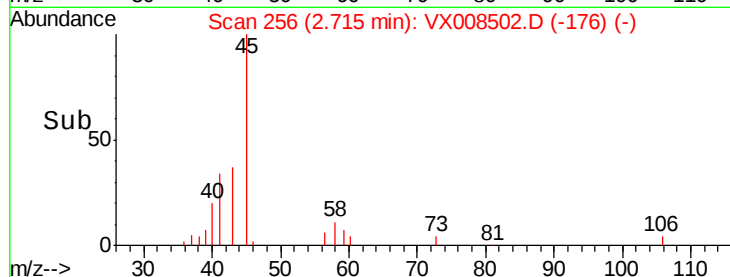
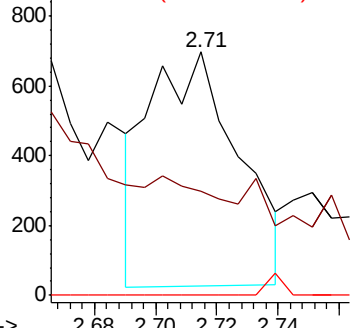
76 0.0 18.3 54.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#23

tert-Butyl Alcohol

Concen: 0.581 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX008502.D

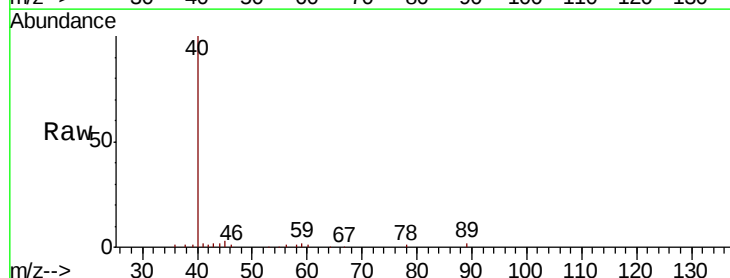
Acq: 27 Mar 2019 22:49

Tgt Ion: 59 Resp: 400

Ion Ratio Lower Upper

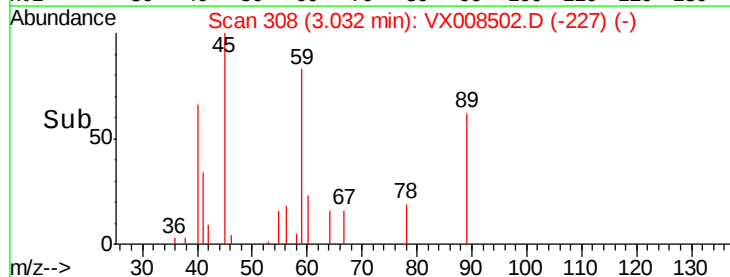
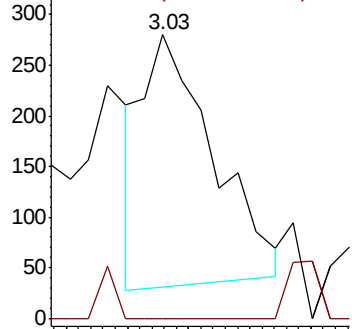
59 100

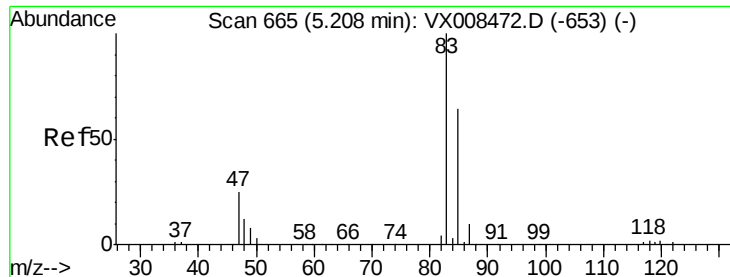
52 0.0 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

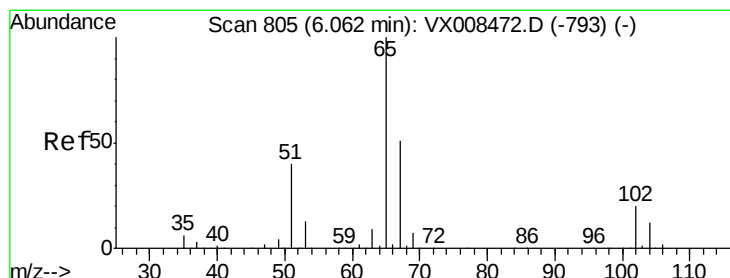
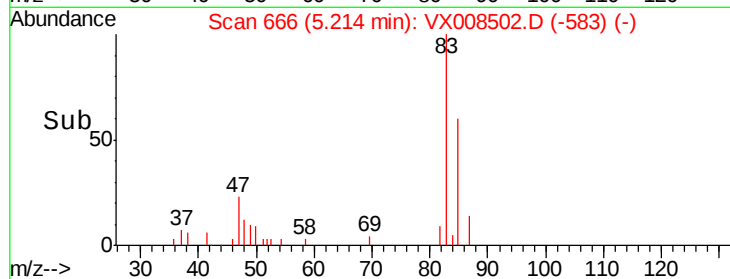
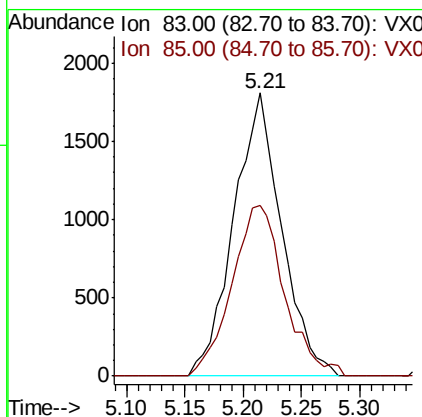
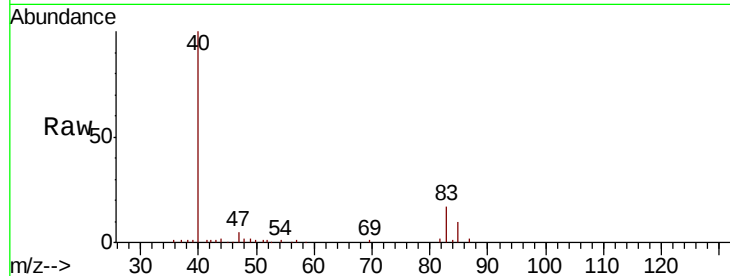




#25
Chloroform
Concen: 1.148 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

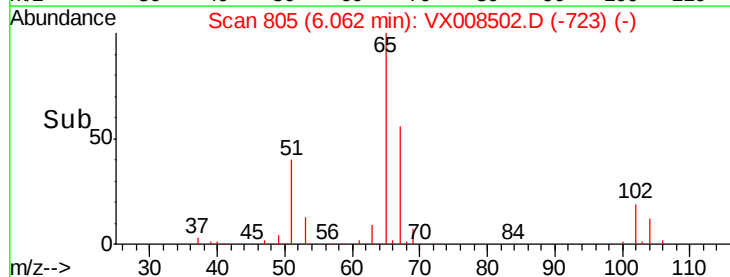
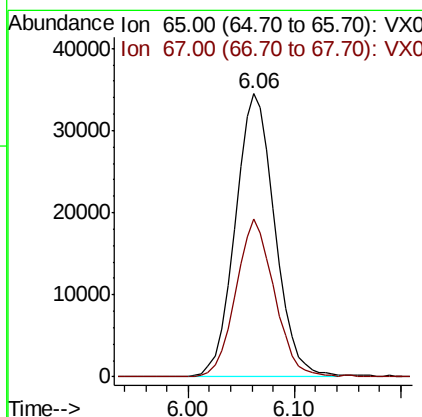
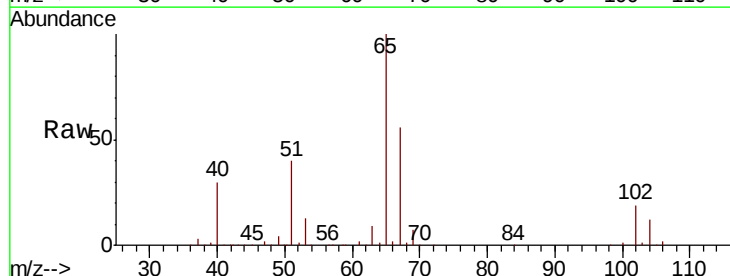
Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01

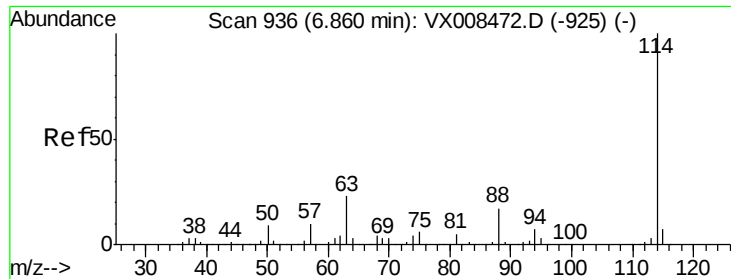
Tot Ion: 83 Resp: 5194
Ion Ratio Lower Upper
83 100
85 60.4 53.8 80.6



#27
1,2-Dichloroethane-d4
Concen: 29.855 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

Tgt Ion: 65 Resp: 89719
Ion Ratio Lower Upper
65 100
67 54.2 42.9 64.3

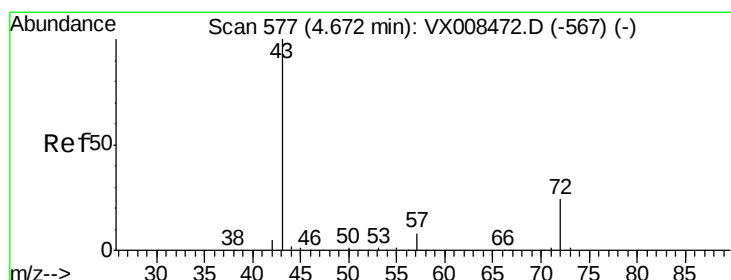
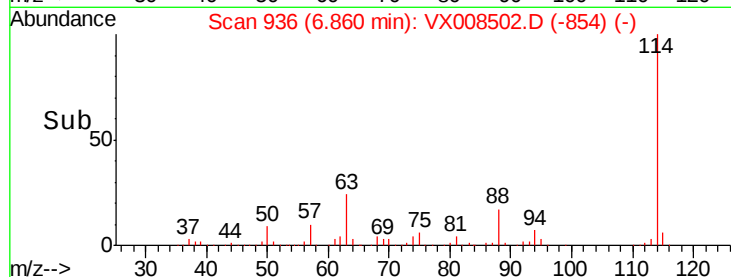
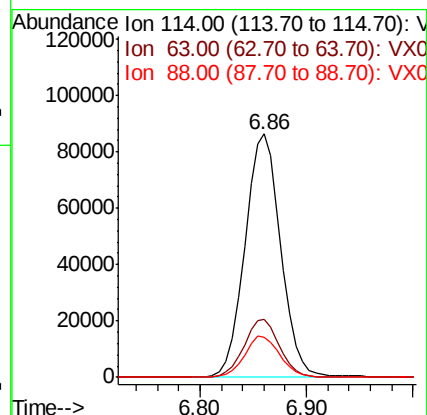
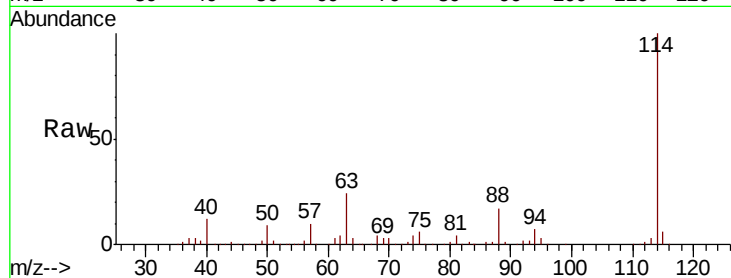




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008502.D
 Acq: 27 Mar 2019 22:49

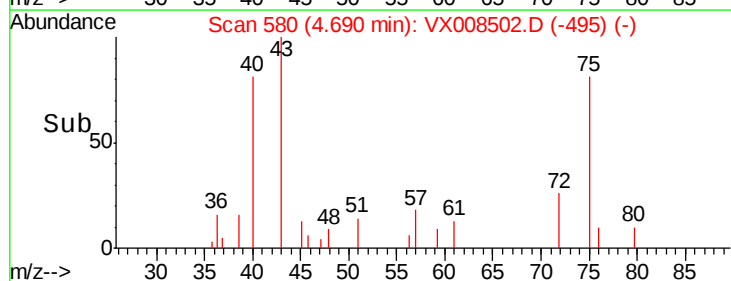
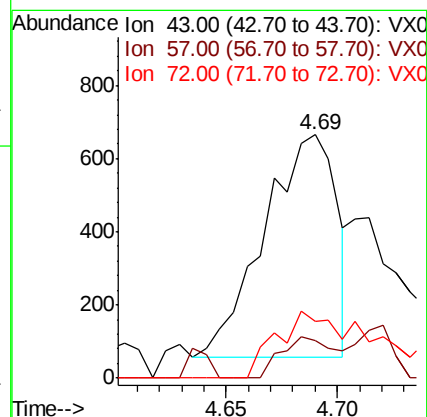
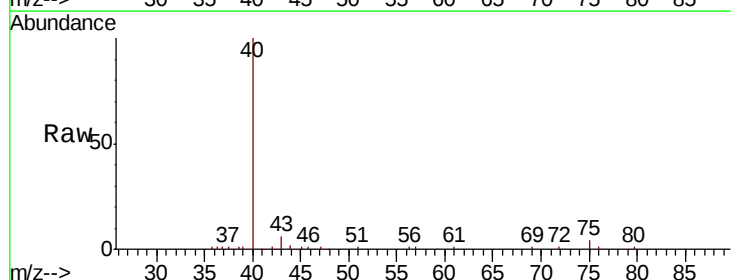
Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTLET-01

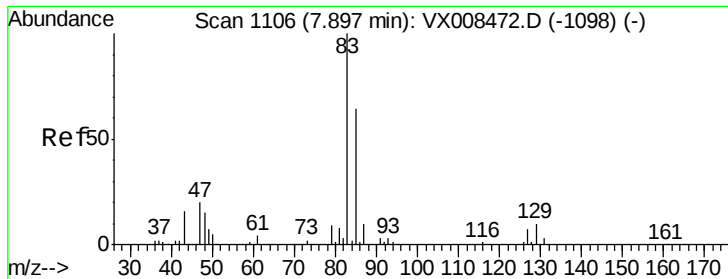
Tot Ion:114 Resp: 203237
 Ion Ratio Lower Upper
 114 100
 63 23.6 14.2 21.4#
 88 17.0 11.9 17.9



#30
 2-Butanone
 Concen: 0.550 ug/l
 RT: 4.69 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: VX008502.D
 Acq: 27 Mar 2019 22:49

Tgt Ion: 43 Resp: 1383
 Ion Ratio Lower Upper
 43 100
 57 13.6 7.0 10.6#
 72 8.4 21.5 32.3#





#41

Bromodichloromethane

Concen: 0.405 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008502.D

Acq: 27 Mar 2019 22:49

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01

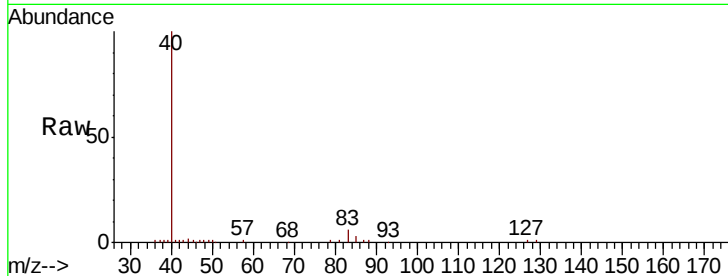
Tot Ion: 83 Resp: 1369

Ion Ratio Lower Upper

83 100

85 49.8 51.1 76.7#

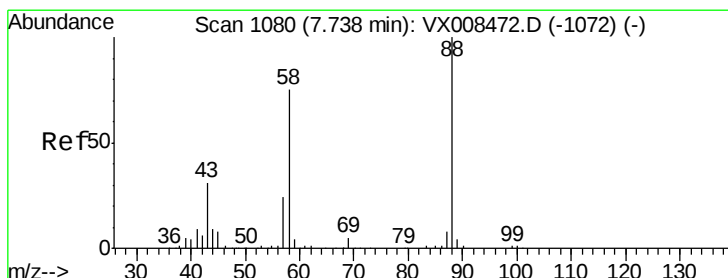
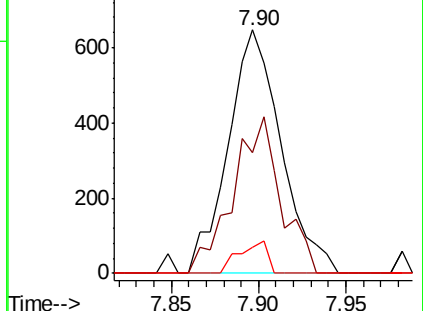
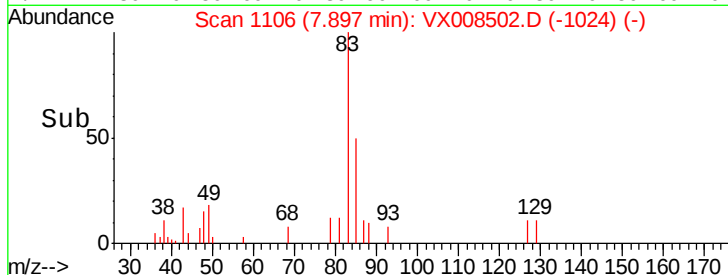
127 11.0 7.2 10.8#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#45

1,4-Dioxane

Concen: 0.577 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.16 min

Lab File: VX008502.D

Acq: 27 Mar 2019 22:49

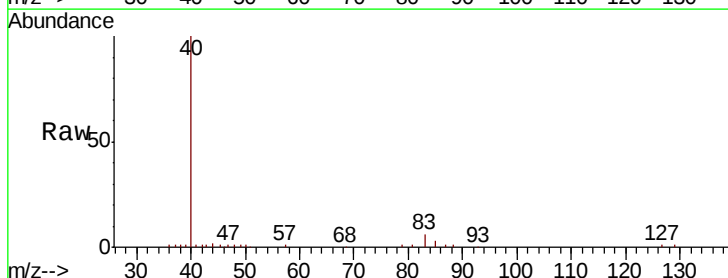
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 73.8 23.6 35.4#

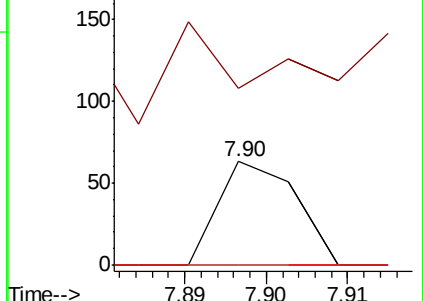
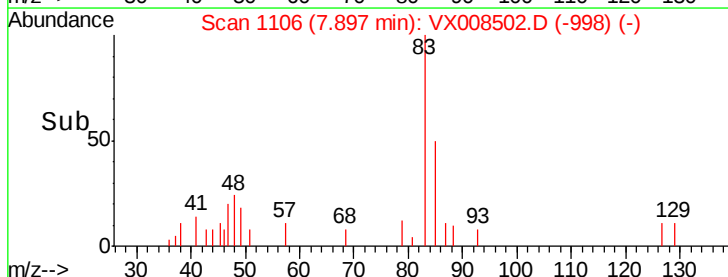
58 0.0 51.6 77.4#

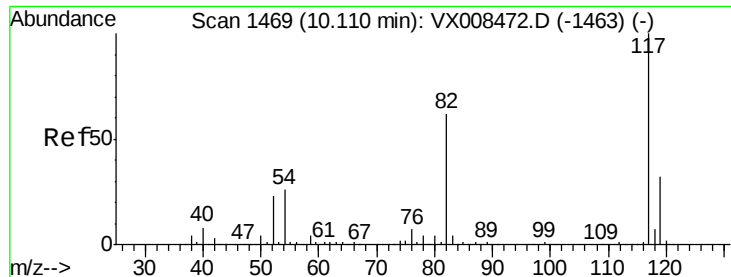


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

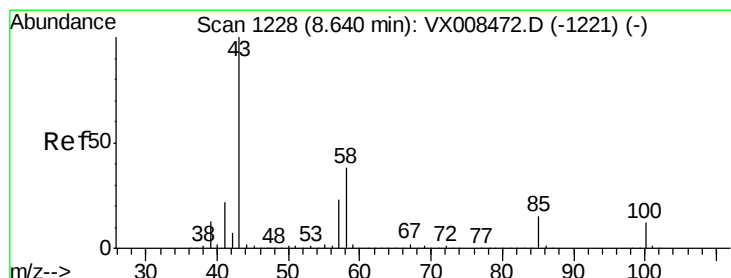
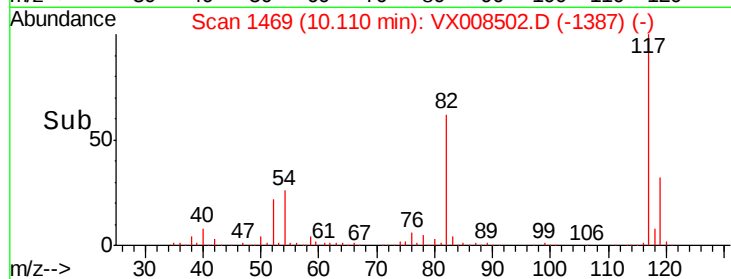
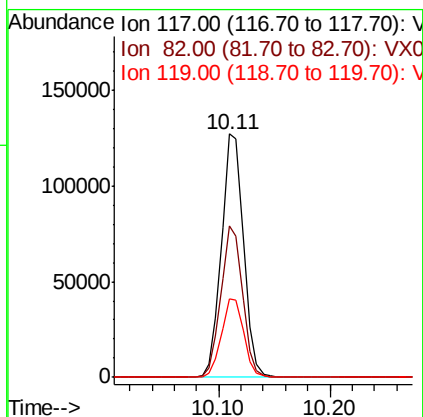
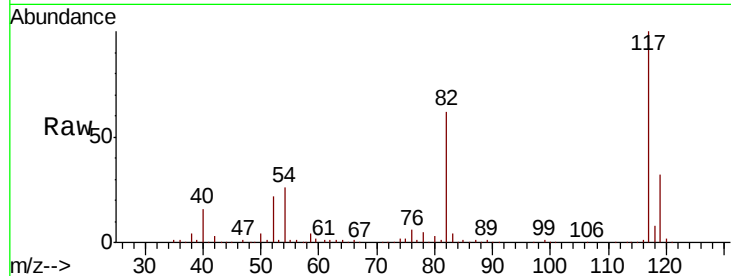




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

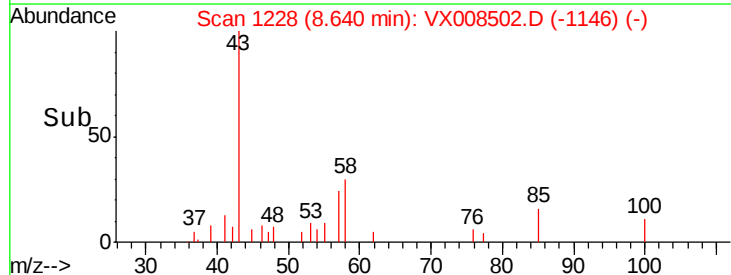
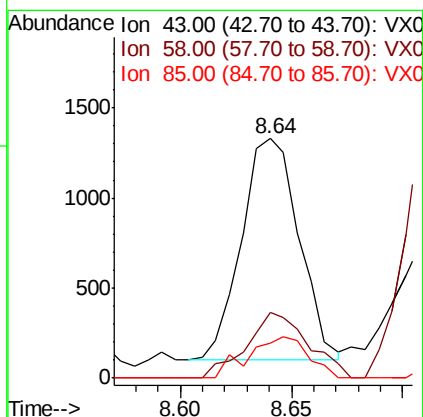
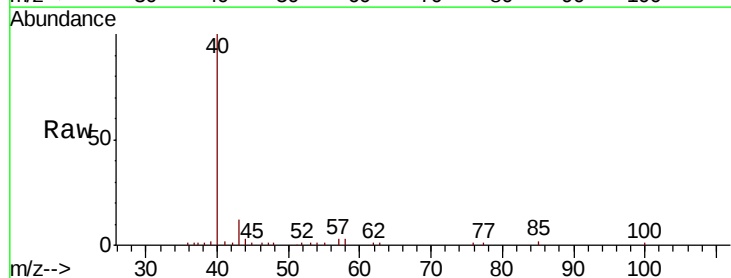
Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01

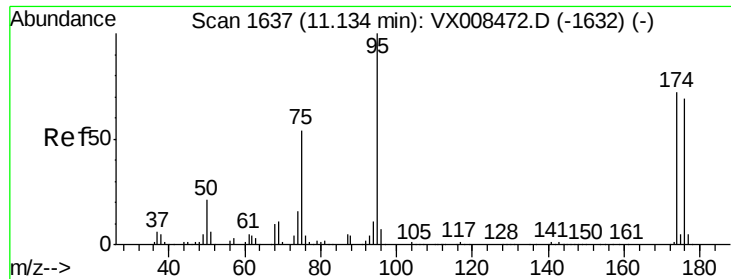
Tot Ion:117 Resp: 175391
Ion Ratio Lower Upper
117 100
82 60.8 40.4 60.6#
119 32.3 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.476 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

Tgt Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
58 31.8 31.4 47.0
85 19.3 15.0 22.6

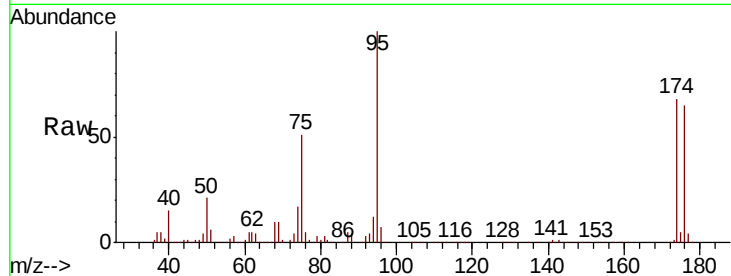




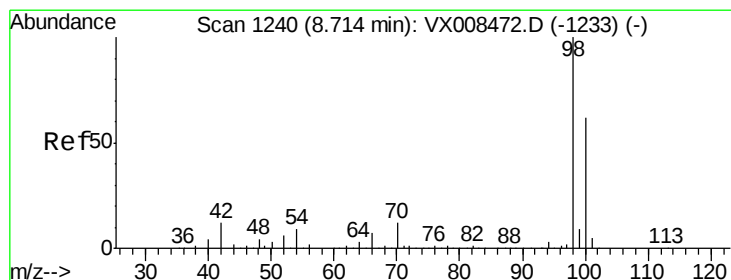
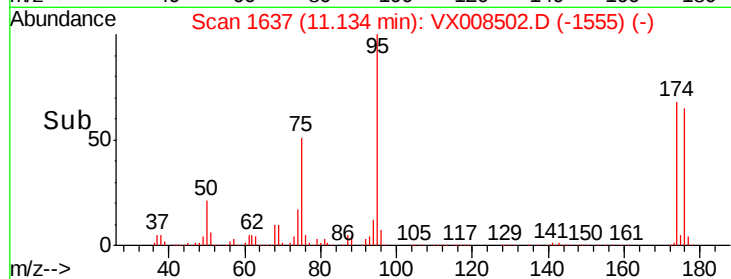
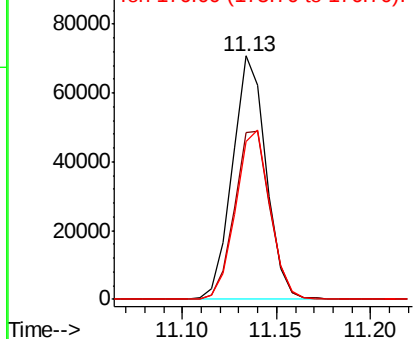
#60
4-Bromofluorobenzene
Concen: 28.692 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01

Tot Ion: 95 Resp: 87681
Ion Ratio Lower Upper
95 100
174 72.6 74.9 112.3#
176 71.1 70.7 106.1

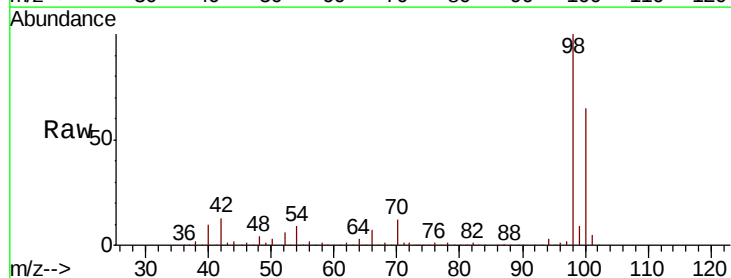


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

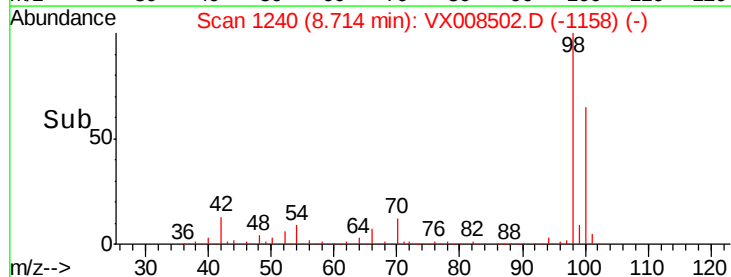
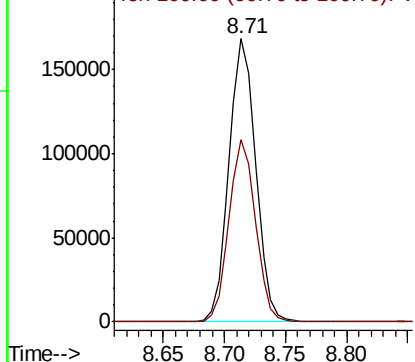


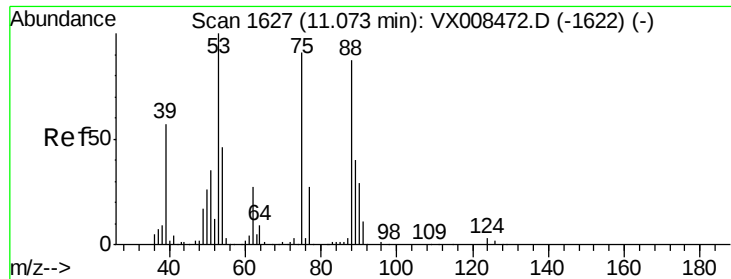
#63
Toluene-d8
Concen: 30.649 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

Tgt Ion: 98 Resp: 255169
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 32.752 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008502.D
Acq: 27 Mar 2019 22:49

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01

Tot Ion: 75 Resp: 44024
Ion Ratio Lower Upper
75 100
53 0.2 55.5 166.7#
89 0.0 24.4 73.2#

