

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007441.D
 Acq On : 08 Feb 2019 14:49
 Operator : JC/SP
 Sample : K1441-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTLET-01

Quant Time: Feb 08 23:42:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	75616	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	406874	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	357836	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.07	65	154152	31.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.53%	
60) 4-Bromofluorobenzene		11.13	95	156806	28.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.63%	
63) Toluene-d8		8.71	98	475156	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%	

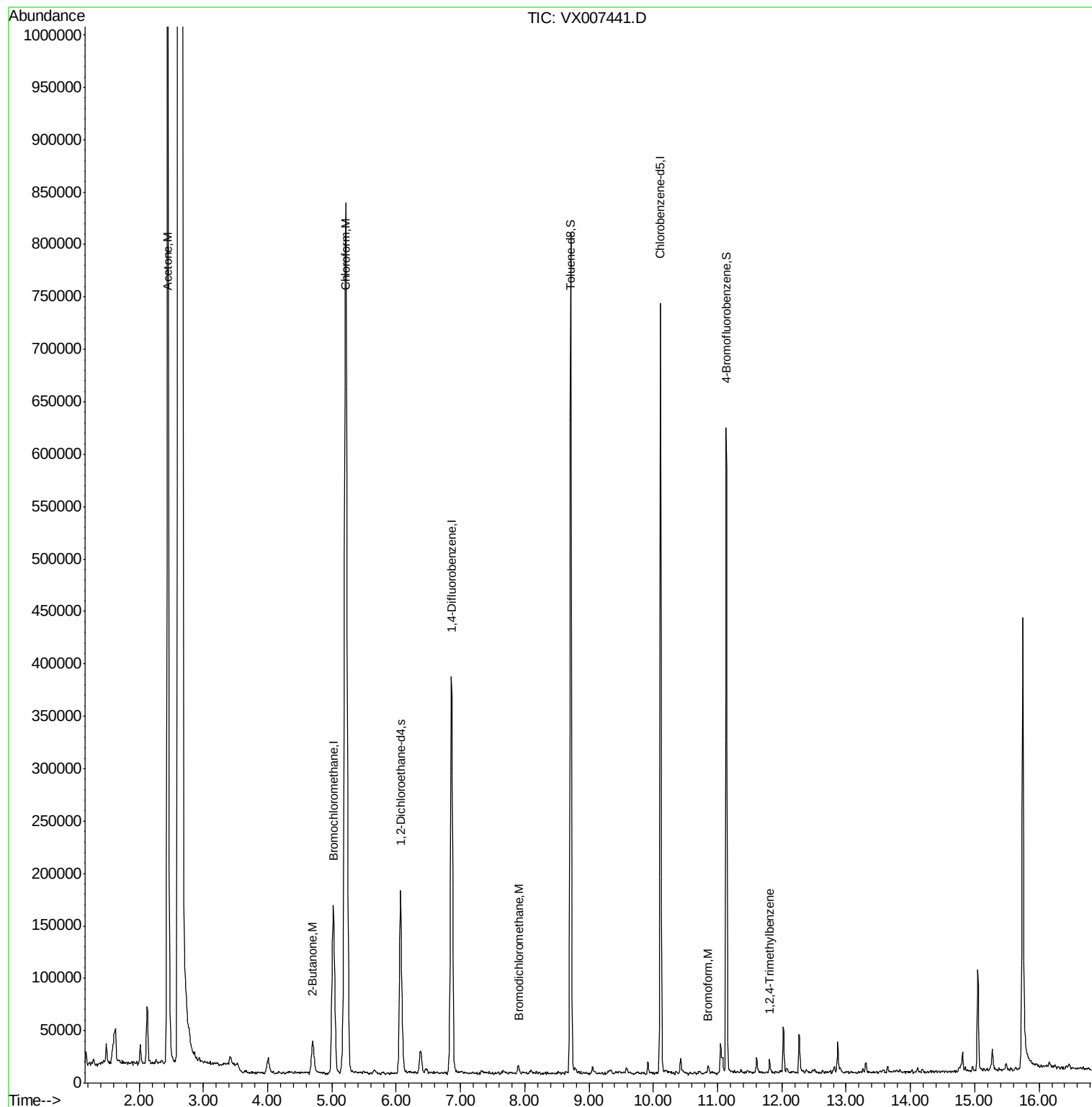
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	2.45	58	374733	529.815	ug/l	94
25) Chloroform	5.21	83	987979	132.486	ug/l	99
30) 2-Butanone	4.70	43	53208	16.789	ug/l #	94
41) Bromodichloromethane	7.90	83	4615	0.890	ug/l #	79
56) Bromoform	10.86	173	3067	0.901	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	4774	0.283	ug/l	34

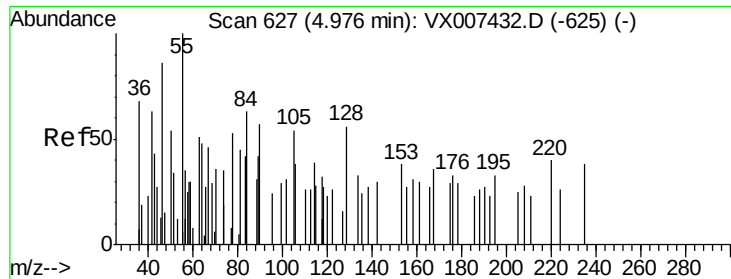
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 28 10:35:22 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX007441.D

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Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01

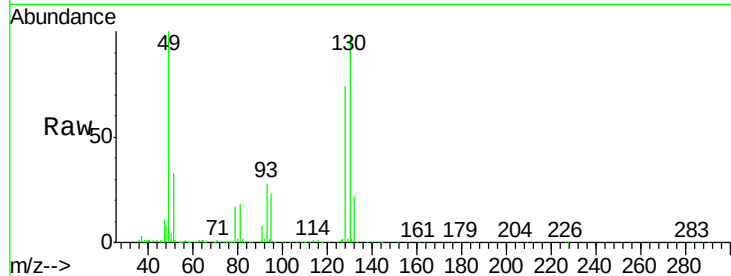
Tot Ion:128 Resp: 75616

Ion Ratio Lower Upper

128 100

49 138.3 0.0 345.5

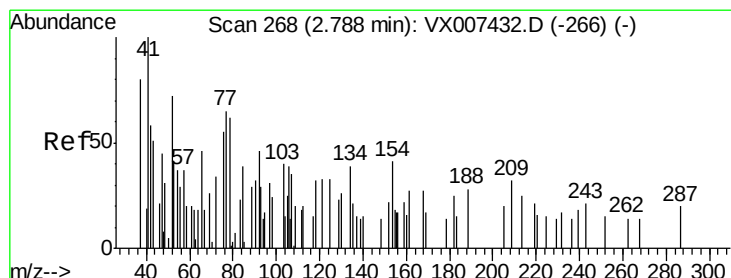
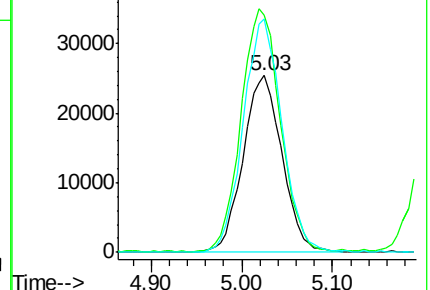
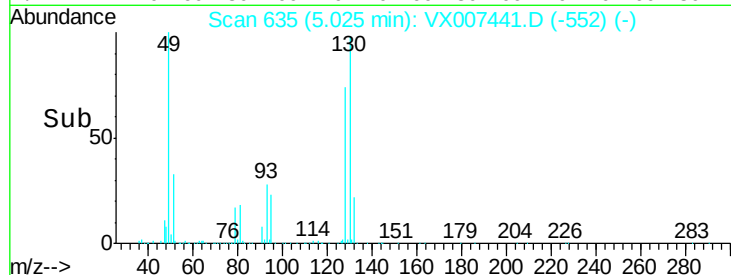
130 131.2 0.0 320.0



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



#15

Acetone

Concen: 529.815 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007441.D

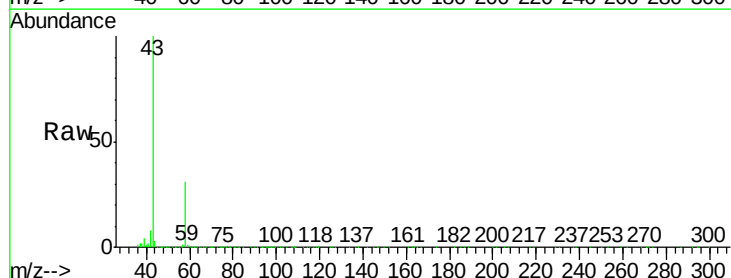
Acq: 08 Feb 2019 14:49

Tgt Ion: 58 Resp: 374733

Ion Ratio Lower Upper

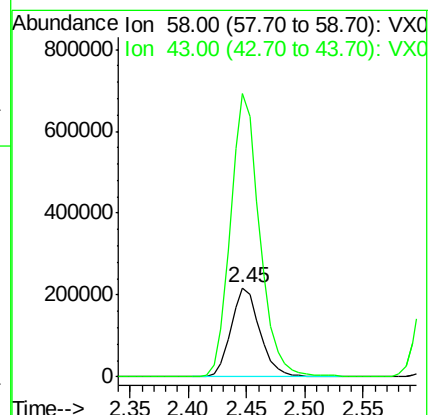
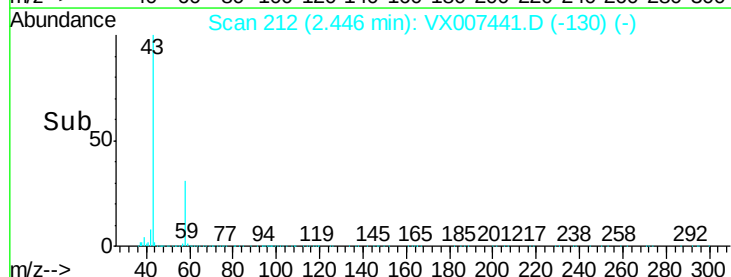
58 100

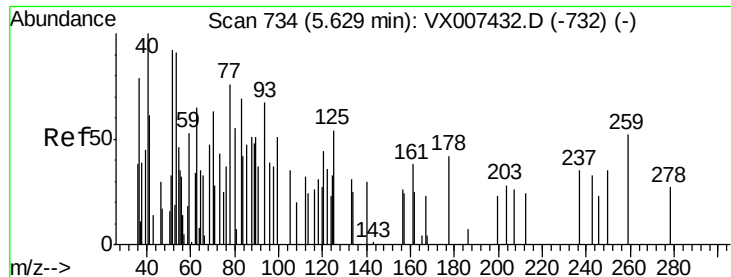
43 318.9 265.9 398.9



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 132.486 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

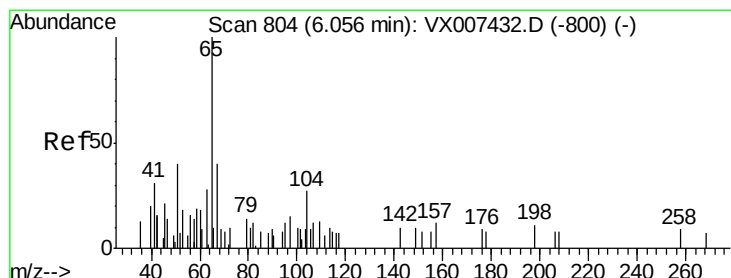
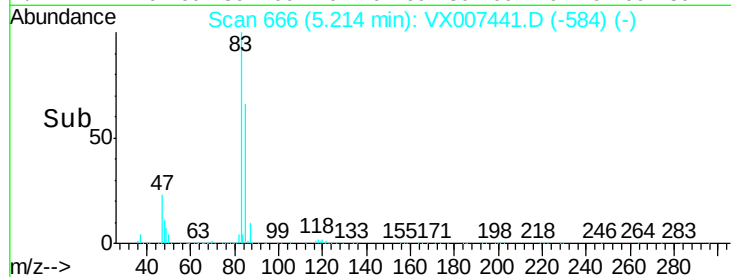
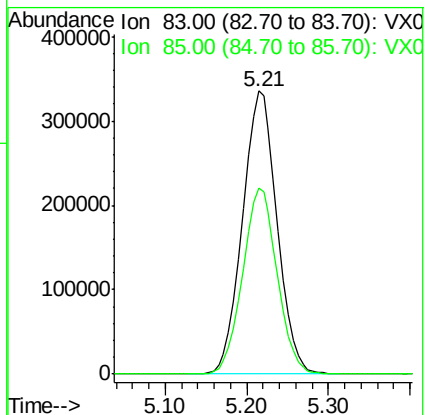
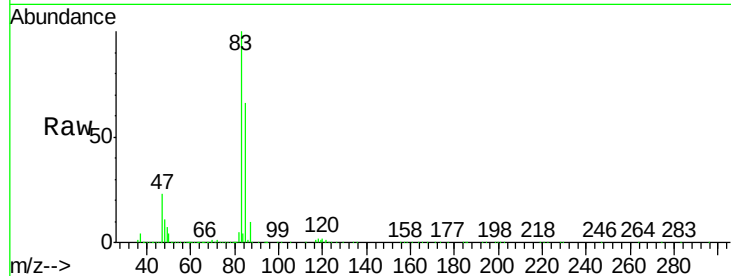
SEWER-OUTLET-01

Tot Ion: 83 Resp: 987979

Ion Ratio Lower Upper

83 100

85 65.6 51.9 77.9



#27

1,2-Dichloroethane-d4

Concen: 31.056 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX007441.D

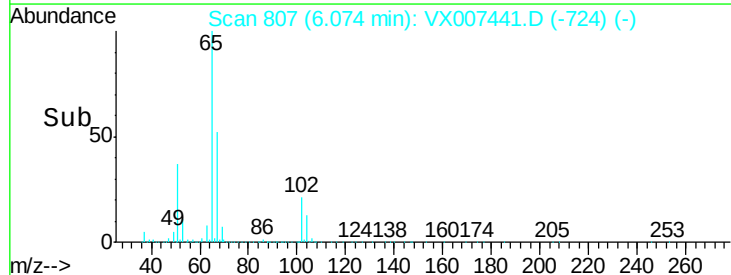
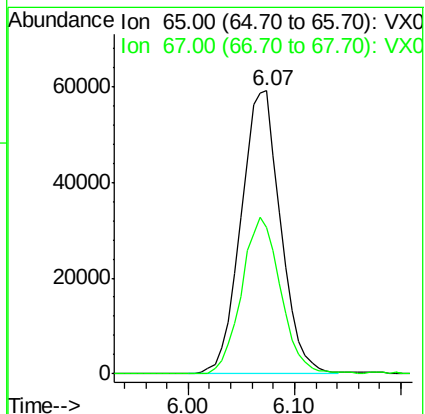
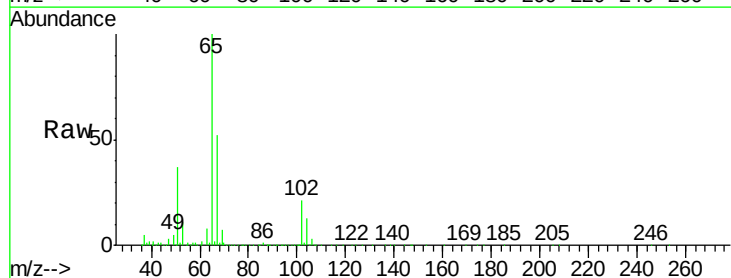
Acq: 08 Feb 2019 14:49

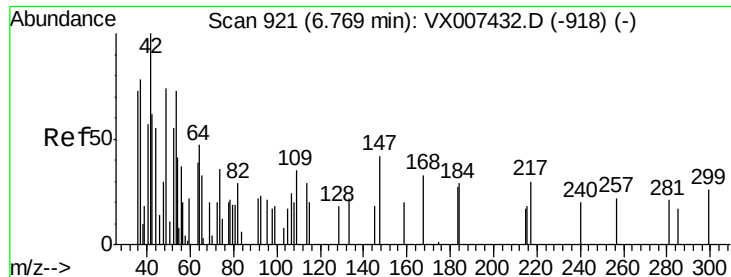
Tgt Ion: 65 Resp: 154152

Ion Ratio Lower Upper

65 100

67 54.2 42.0 63.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01

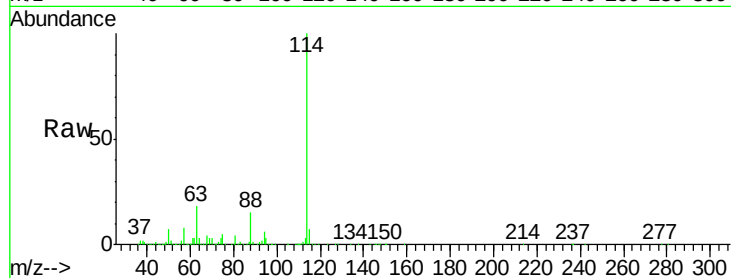
Tot Ion:114 Resp: 406874

Ion Ratio Lower Upper

114 100

63 18.0 14.6 21.8

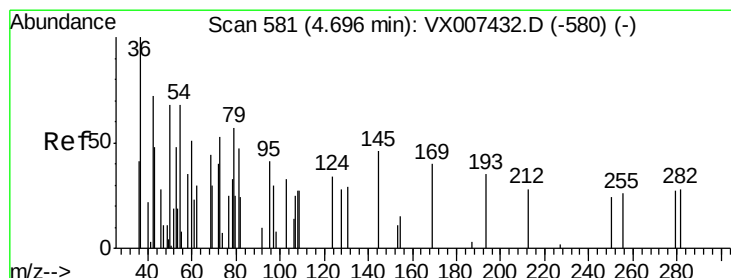
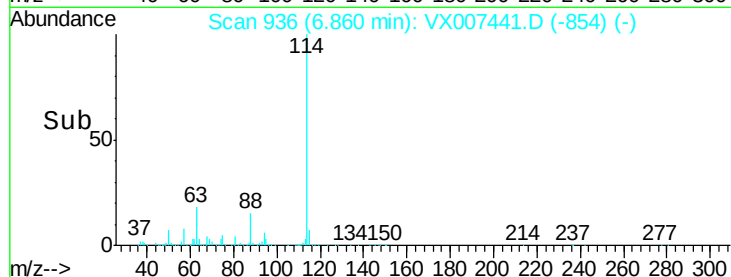
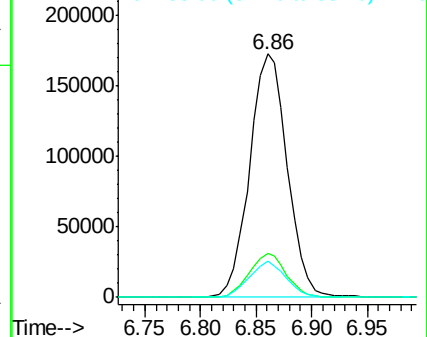
88 14.4 11.8 17.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#30

2-Butanone

Concen: 16.789 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

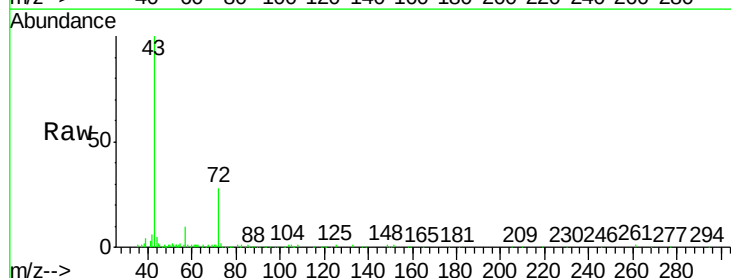
Tgt Ion: 43 Resp: 53208

Ion Ratio Lower Upper

43 100

57 8.7 3.3 4.9#

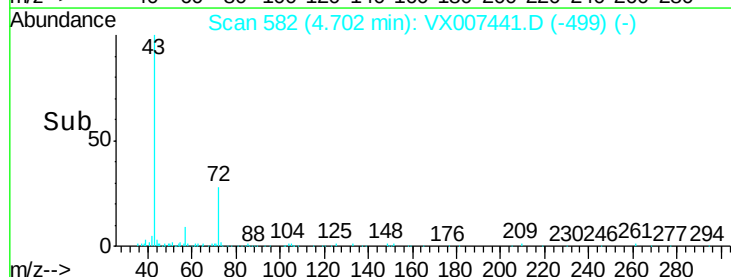
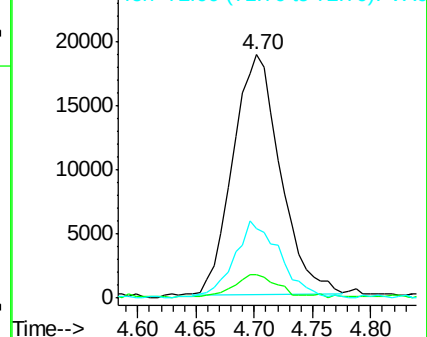
72 30.1 22.0 33.0

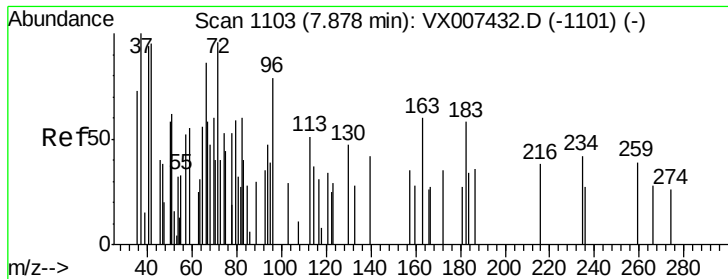


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#41

Bromodichloromethane

Concen: 0.890 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01

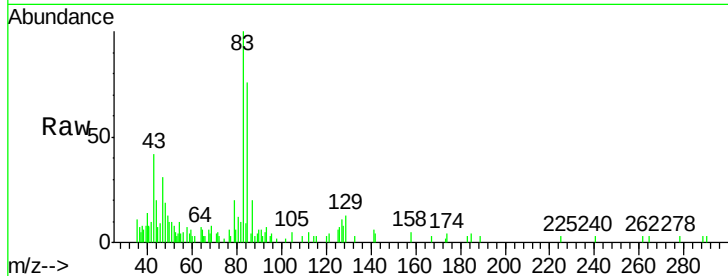
Tot Ion: 83 Resp: 4615

Ion Ratio Lower Upper

83 100

85 76.2 48.2 72.2#

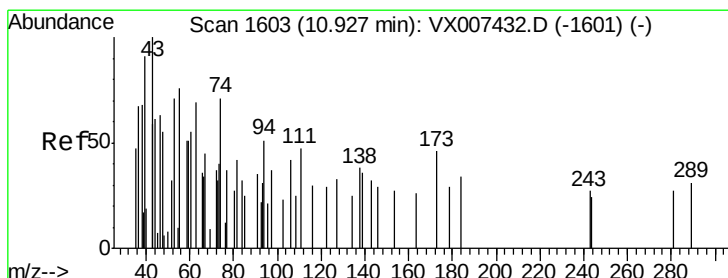
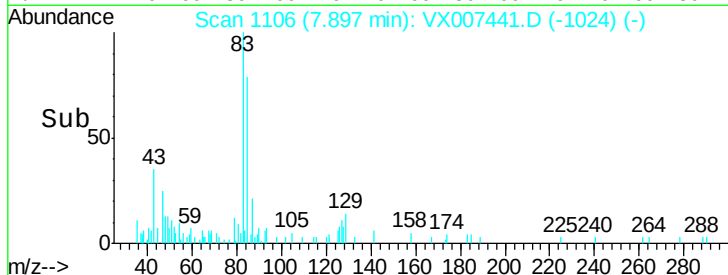
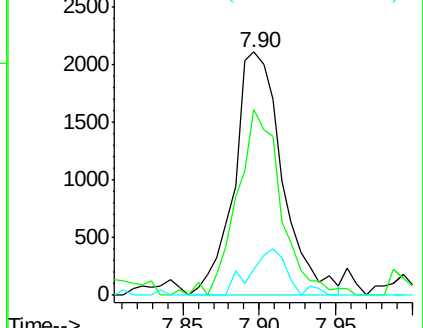
127 18.5 8.3 12.5#



Abundance Ion 83.00 (82.70 to 83.70): VX007432.D (-1101) (-)

Ion 85.00 (84.70 to 85.70): VX007432.D (-1101) (-)

Ion 127.00 (126.70 to 127.70): VX007432.D (-1101) (-)



#56

Bromoform

Concen: 0.901 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

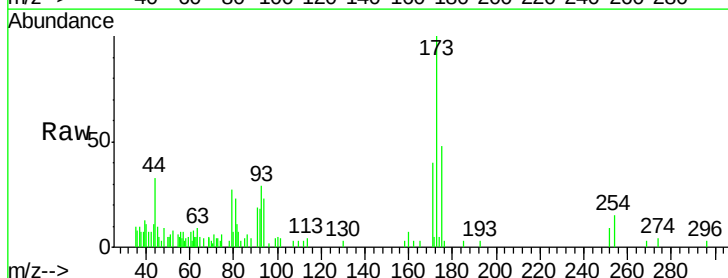
Tgt Ion: 173 Resp: 3067

Ion Ratio Lower Upper

173 100

175 50.5 38.9 58.3

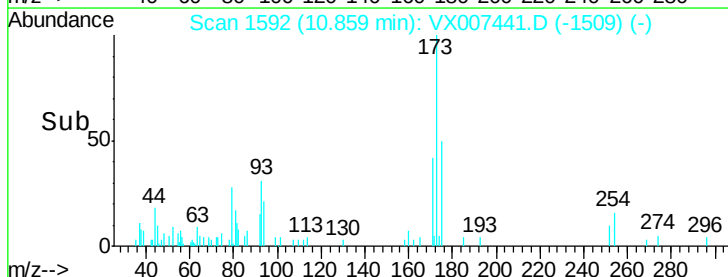
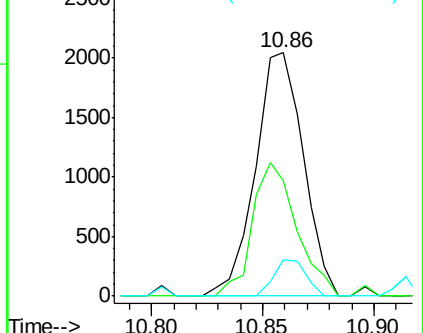
254 10.1 8.5 12.7

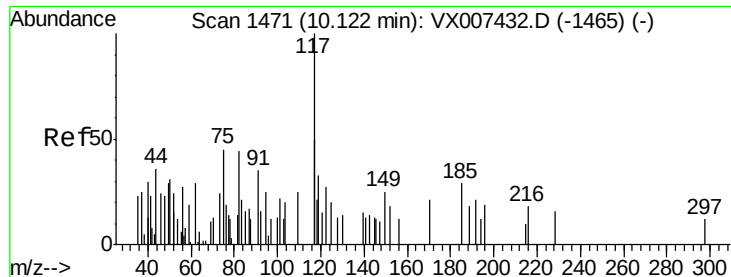


Abundance Ion 173.00 (172.70 to 173.70): VX007432.D (-1601) (-)

Ion 175.00 (174.70 to 175.70): VX007432.D (-1601) (-)

Ion 254.00 (253.70 to 254.70): VX007432.D (-1601) (-)





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01

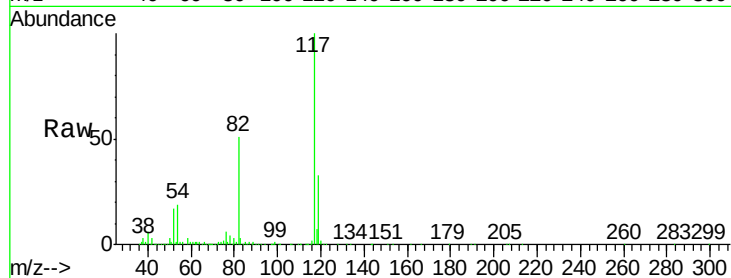
Tot Ion:117 Resp: 357836

Ion Ratio Lower Upper

117 100

82 51.0 41.4 62.0

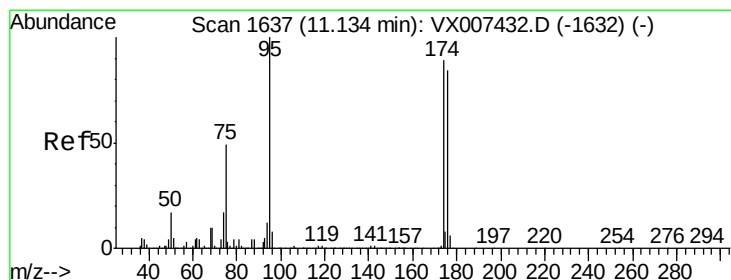
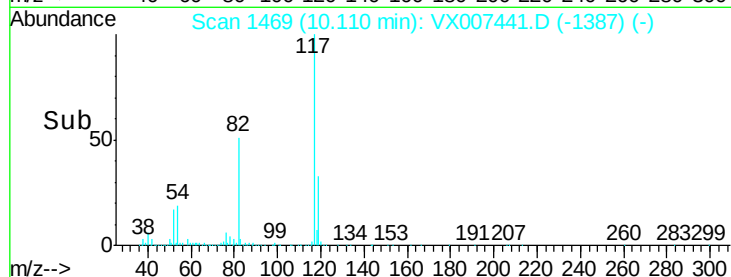
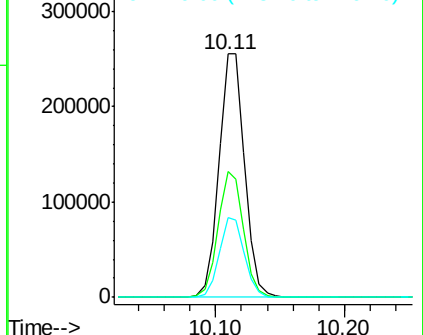
119 32.1 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#60

4-Bromofluorobenzene

Concen: 28.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

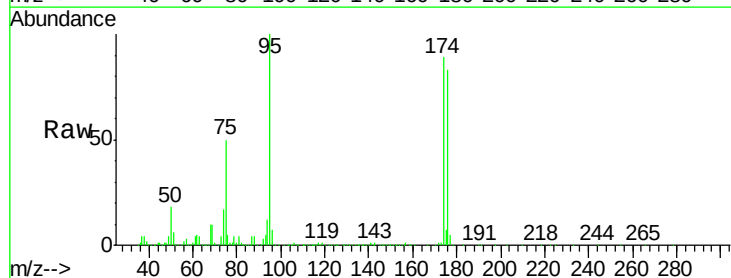
Tgt Ion: 95 Resp: 156806

Ion Ratio Lower Upper

95 100

174 93.0 74.8 112.2

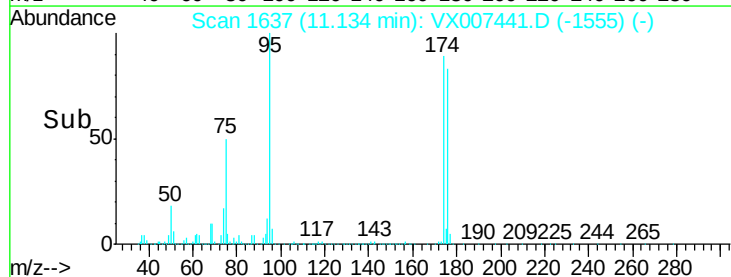
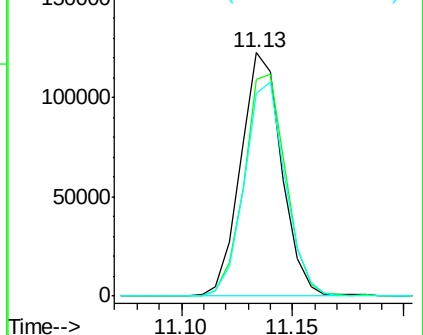
176 88.8 72.5 108.7

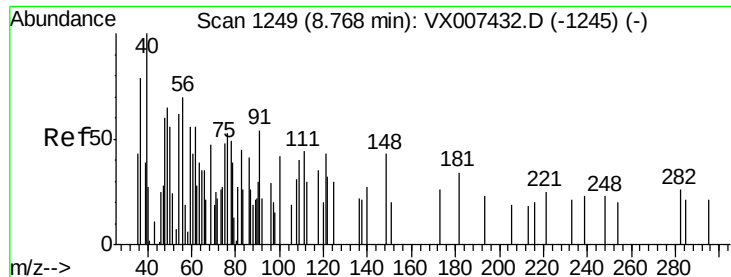


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 29.459 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

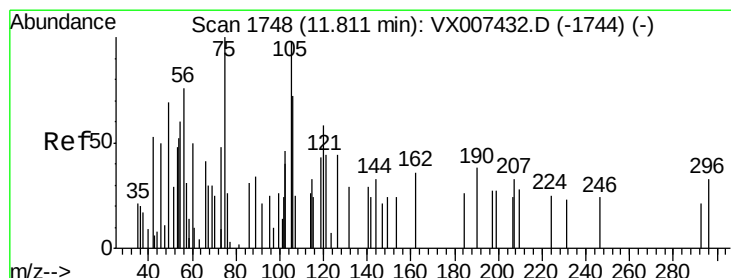
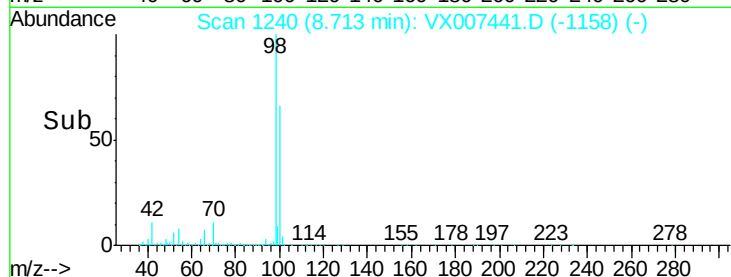
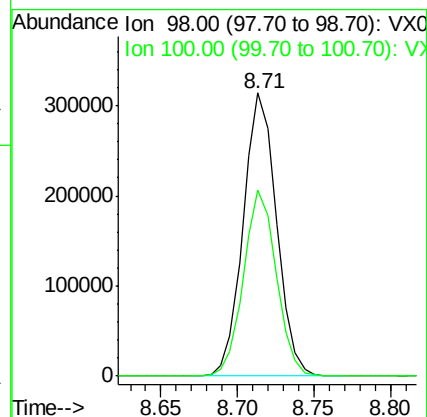
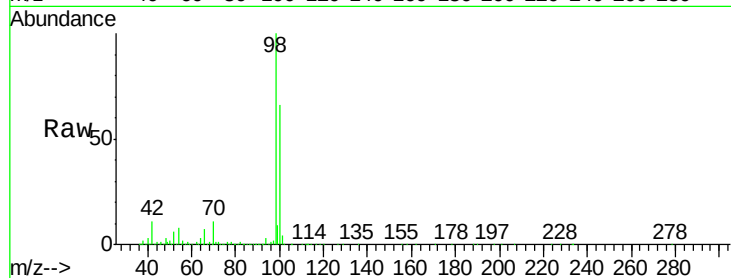
SEWER-OUTLET-01

Tot Ion: 98 Resp: 475156

Ion Ratio Lower Upper

98 100

100 64.5 49.9 74.9



#80

1,2,4-Trimethylbenzene

Concen: 0.283 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX007441.D

Acq: 08 Feb 2019 14:49

Tgt Ion: 105 Resp: 4774

Ion Ratio Lower Upper

105 100

120 3.0 0.0 94.4

