

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009480.D
 Acq On : 10 May 2019 14:01
 Operator : JC/SP
 Sample : K2789-01DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTLET-01DL

Quant Time: May 11 02:34:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	27871	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	159689	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	138996	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	69232	29.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.80%	
60) 4-Bromofluorobenzene		11.13	95	65172	27.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.97%	
63) Toluene-d8		8.71	98	198031	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%	

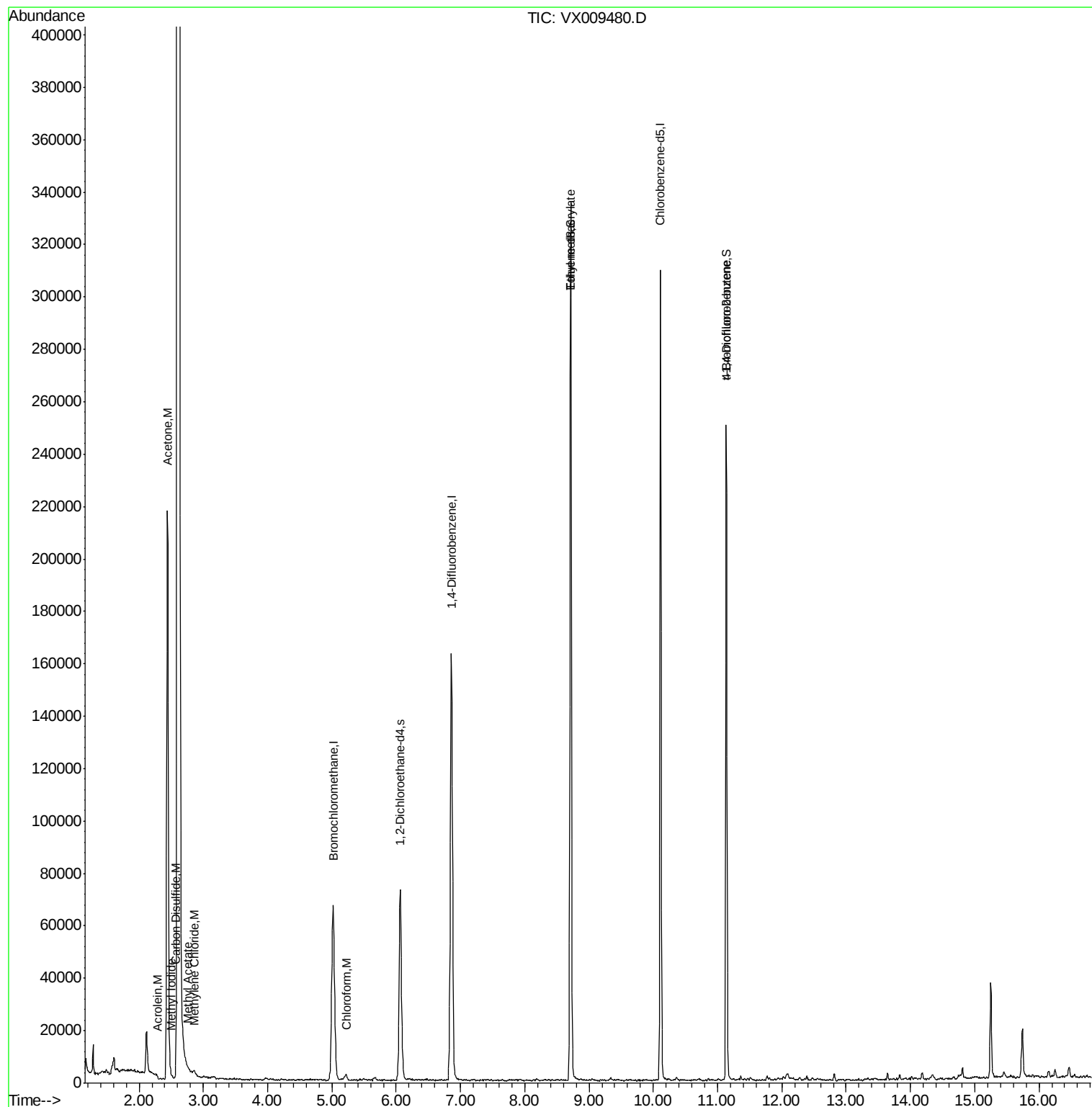
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Methyl Iodide	2.51	142	364	0.220	ug/l #	43
12) Methyl Acetate	2.77	43	883	0.308	ug/l #	56
13) Acrolein	2.29	56	196	0.498	ug/l #	48
15) Acetone	2.44	58	71874	200.890	ug/l	93
16) Carbon Disulfide	2.57	76	1040	0.252	ug/l #	83
18) Methylene Chloride	2.86	84	577	0.313	ug/l #	75
25) Chloroform	5.21	83	2013	0.632	ug/l #	83
51) Ethyl methacrylate	8.72	69	858	0.260	ug/l	99
77) t-1,4-Dichloro-2-butene	11.13	75	33156	32.602	ug/l #	10

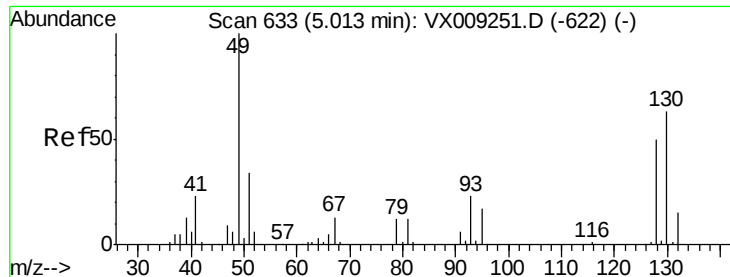
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01DL

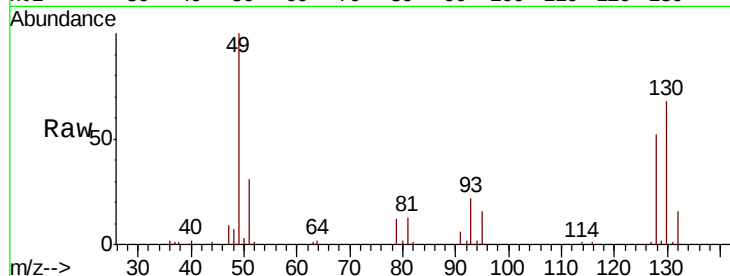
Tot Ion:128 Resp: 27871

Ion Ratio Lower Upper

128 100

49 195.8 0.0 515.0

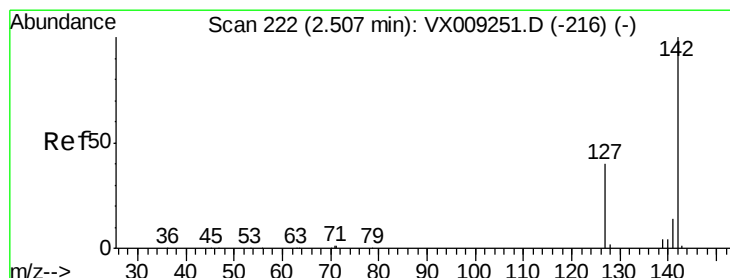
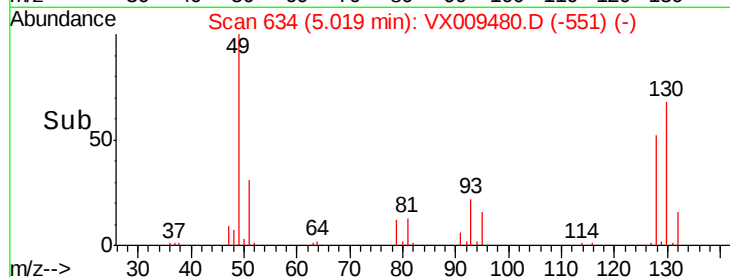
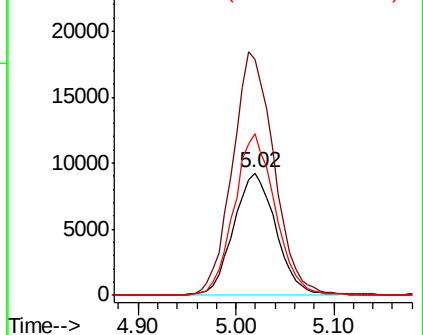
130 128.6 0.0 323.3



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



#11

Methyl Iodide

Concen: 0.220 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

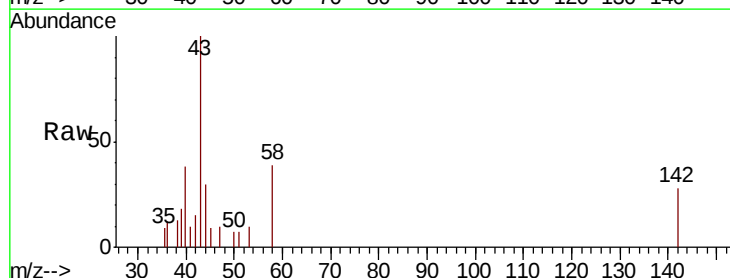
Tgt Ion:142 Resp: 364

Ion Ratio Lower Upper

142 100

127 0.0 20.2 60.5#

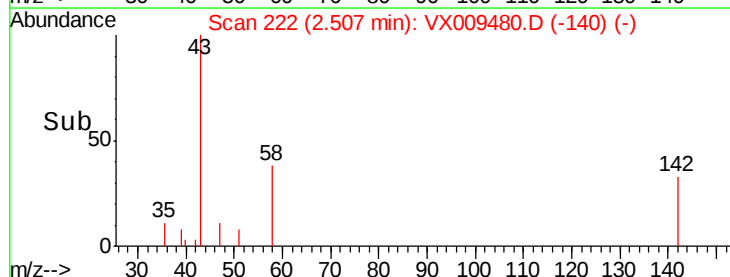
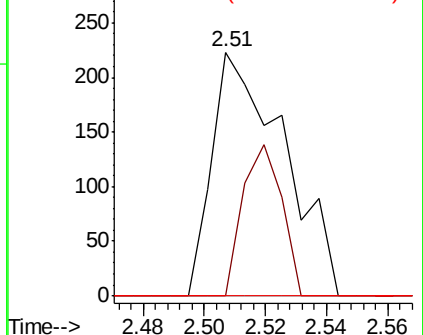
141 0.0 6.9 20.7#

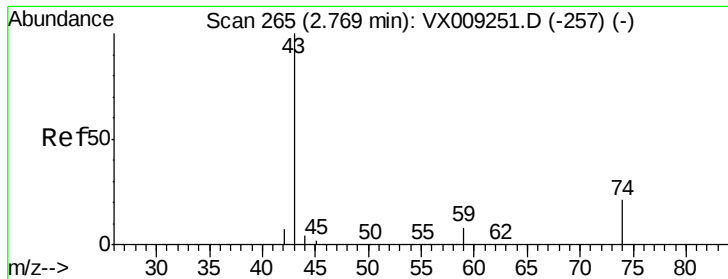


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

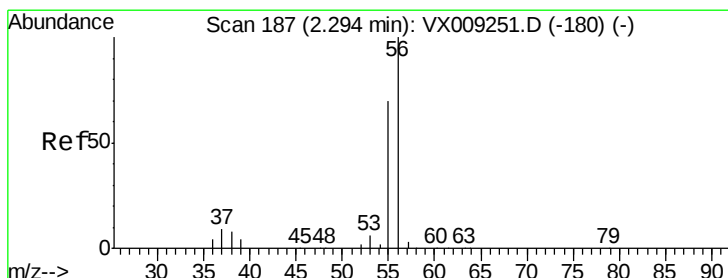
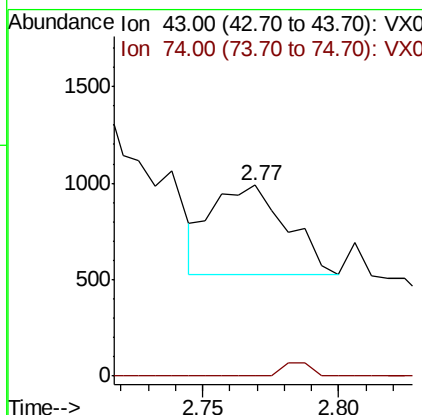
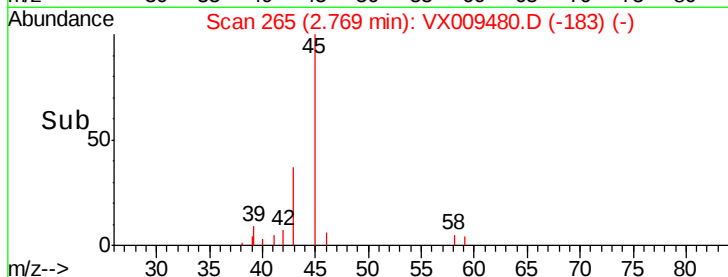
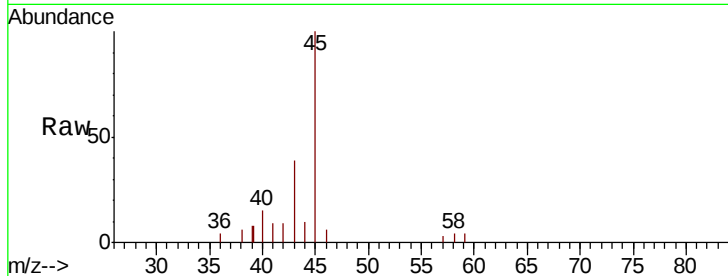




#12
Methvl Acetate
Concen: 0.308 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009480.D
Acq: 10 May 2019 14:01

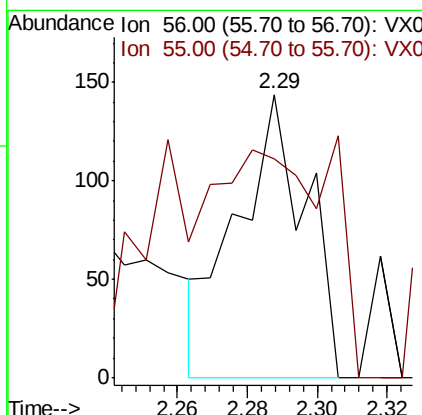
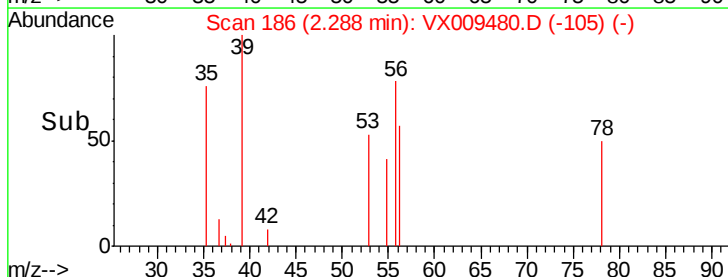
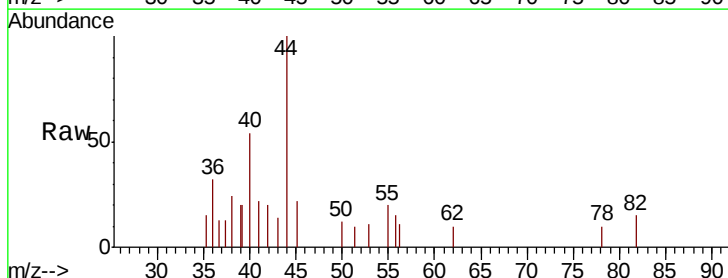
Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01DL

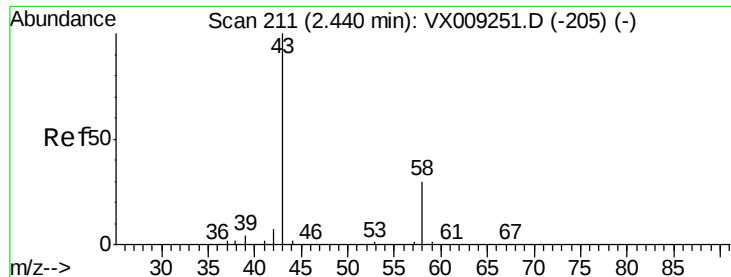
Tot Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#13
Acrolein
Concen: 0.498 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009480.D
Acq: 10 May 2019 14:01

Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 114.3 56.9 85.3#





#15

Acetone

Concen: 200.890 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

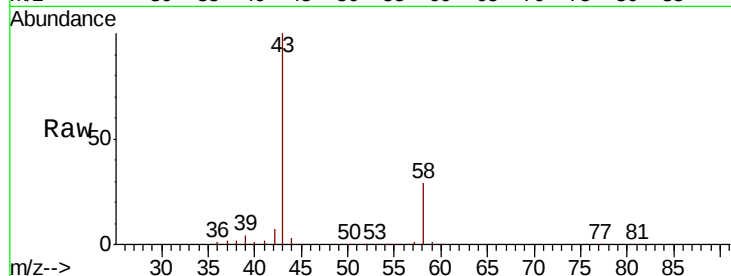
SEWER-OUTLET-01DL

Tot Ion: 58 Resp: 71874

Ion Ratio Lower Upper

58 100

43 343.8 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

150000

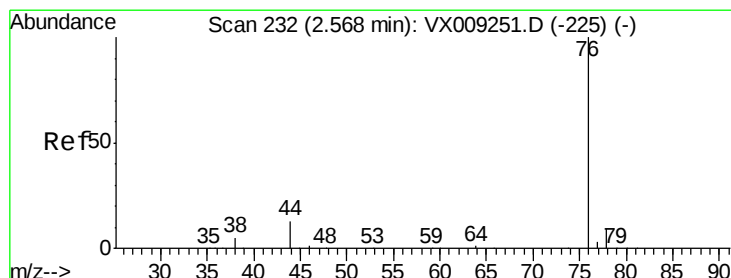
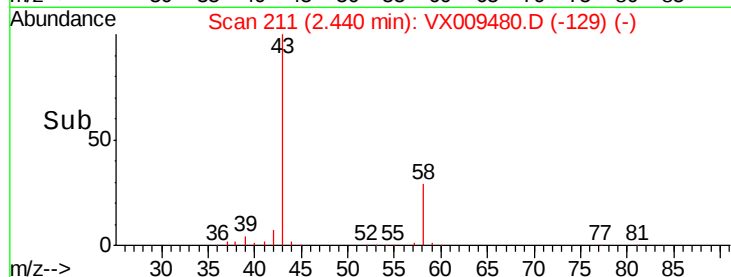
100000

50000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#16

Carbon Disulfide

Concen: 0.252 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009480.D

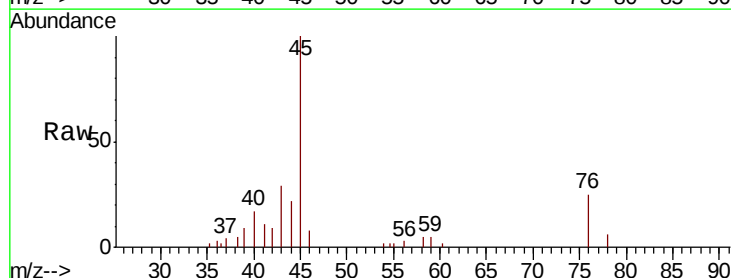
Acq: 10 May 2019 14:01

Tgt Ion: 76 Resp: 1040

Ion Ratio Lower Upper

76 100

78 15.3 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

600

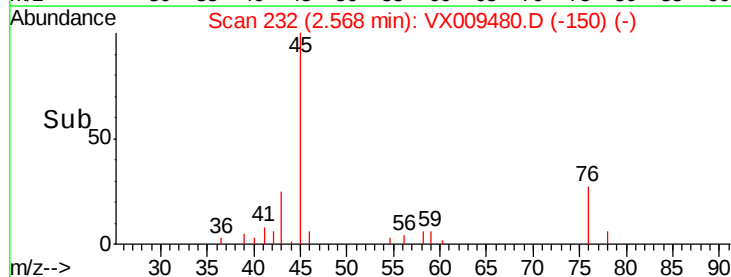
400

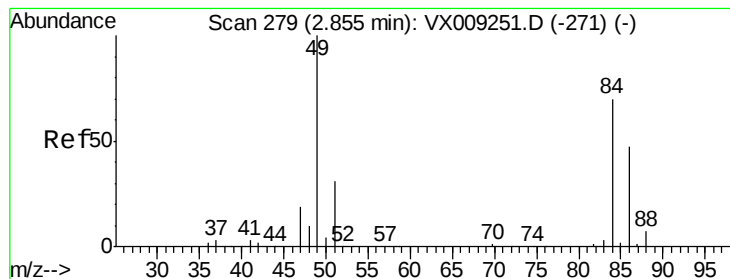
200

0

2.55 2.60

Time-->





#18

Methvlene Chloride

Concen: 0.313 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-01DL

Tot Ion: 84 Resp: 577

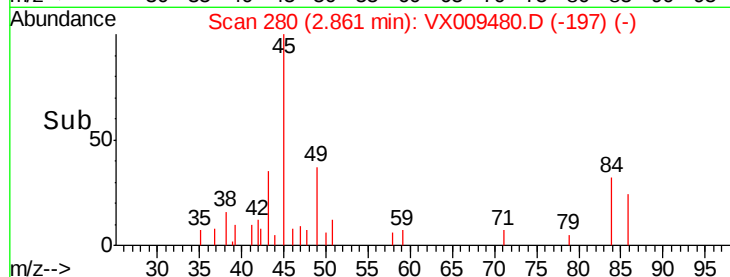
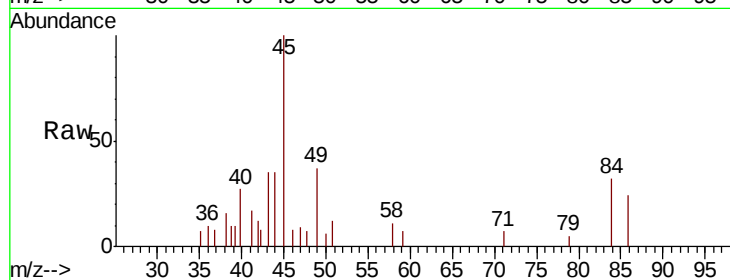
Ion Ratio Lower Upper

84 100

49 96.7 114.6 171.8#

51 37.9 35.5 53.3

86 74.2 53.4 80.2

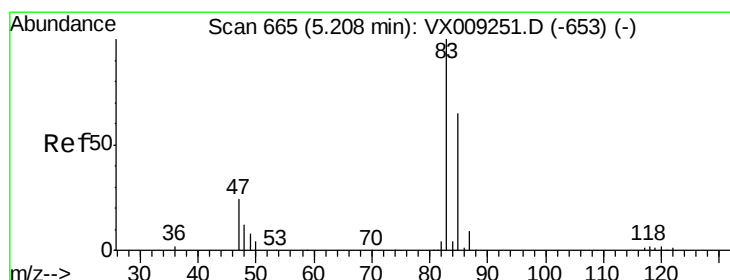
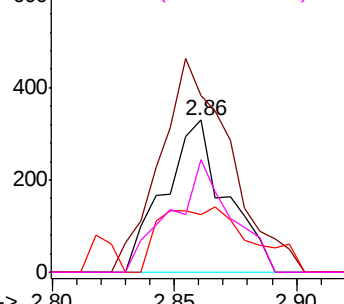


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

Chloroform

Concen: 0.632 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009480.D

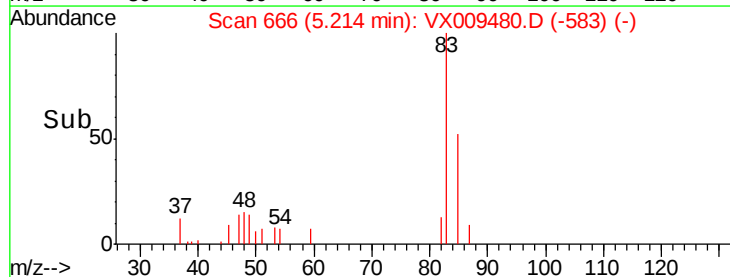
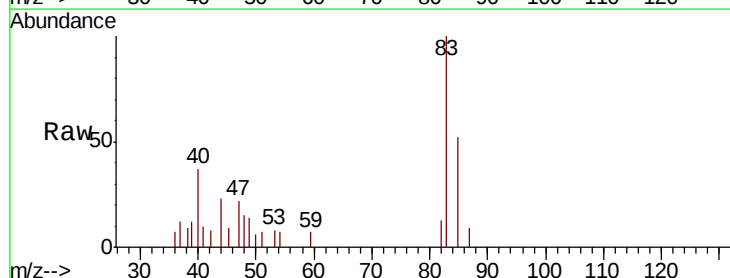
Acq: 10 May 2019 14:01

Tgt Ion: 83 Resp: 2013

Ion Ratio Lower Upper

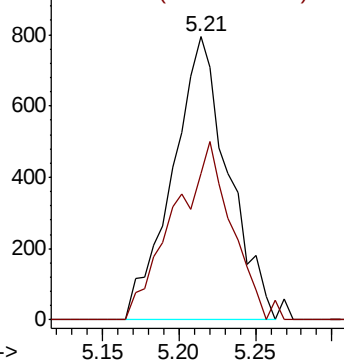
83 100

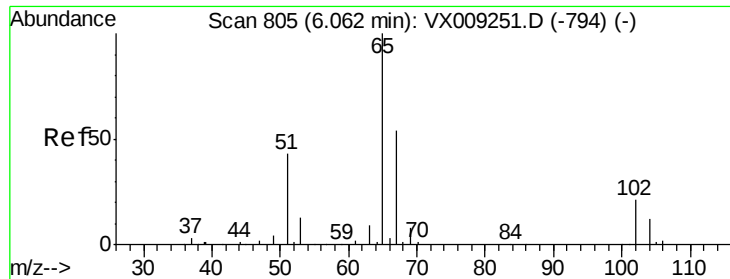
85 51.8 51.9 77.9#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.944 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

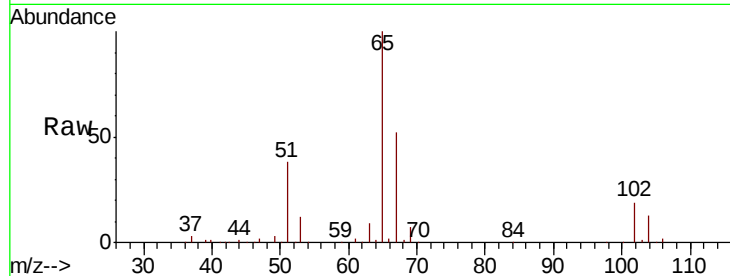
SEWER-OUTLET-01DL

Tot Ion: 65 Resp: 69232

Ion Ratio Lower Upper

65 100

67 54.2 43.1 64.7

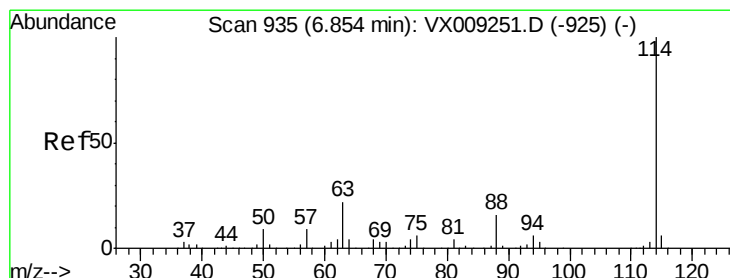
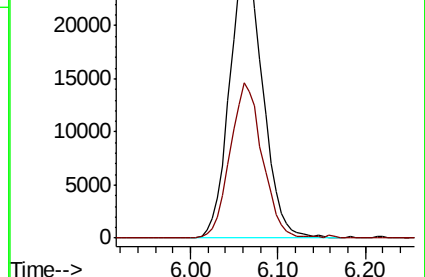
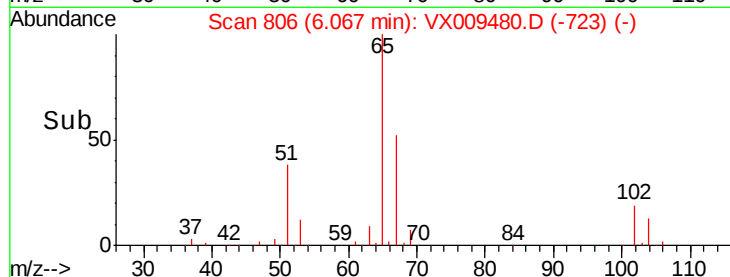


Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

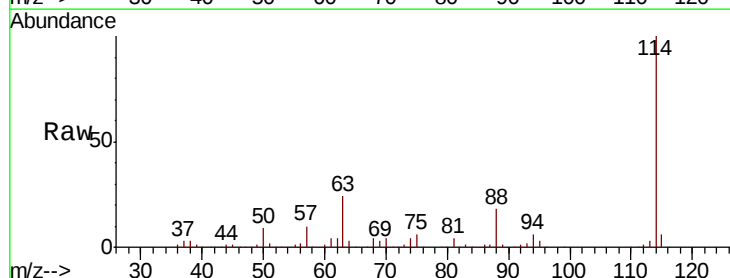
Tgt Ion: 114 Resp: 159689

Ion Ratio Lower Upper

114 100

63 23.2 18.0 27.0

88 16.7 13.4 20.0



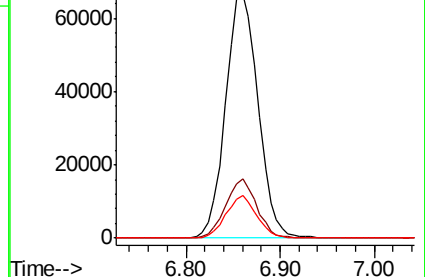
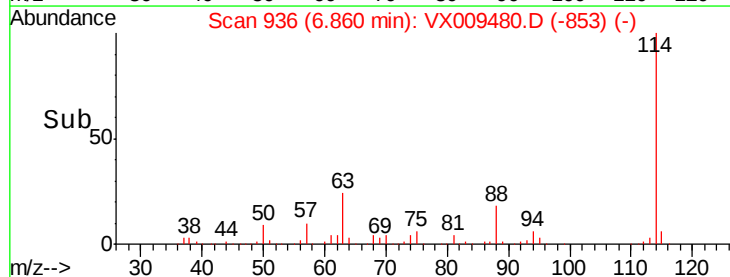
Abundance Ion 114.00 (113.70 to 114.70): V

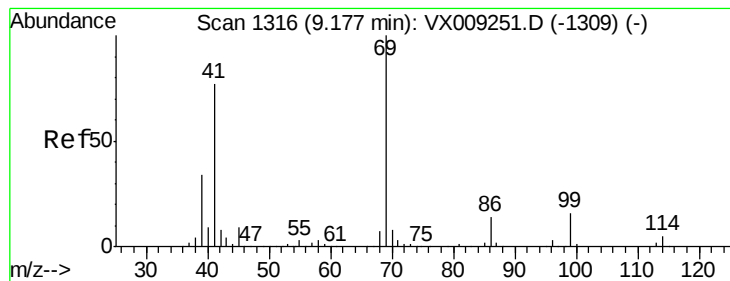
Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.86

Time-->





#51

Ethyl methacrylate

Concen: 0.260 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.46 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

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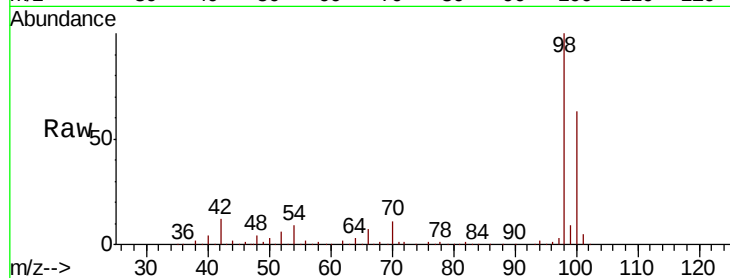
Tot Ion: 69 Resp: 858

Ion Ratio Lower Upper

69 100

41 76.1 38.4 115.2

39 32.8 17.2 51.5



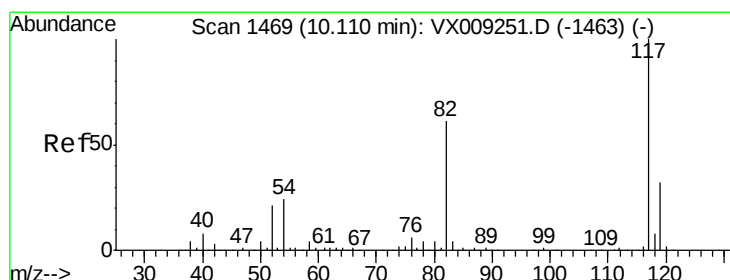
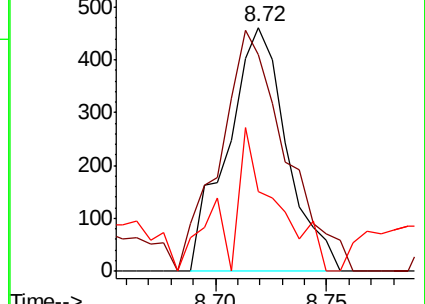
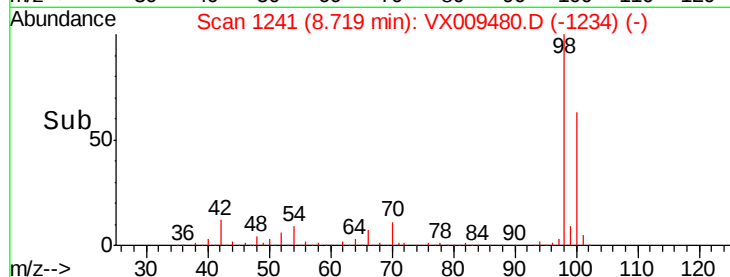
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.72

8.75



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009480.D

Acq: 10 May 2019 14:01

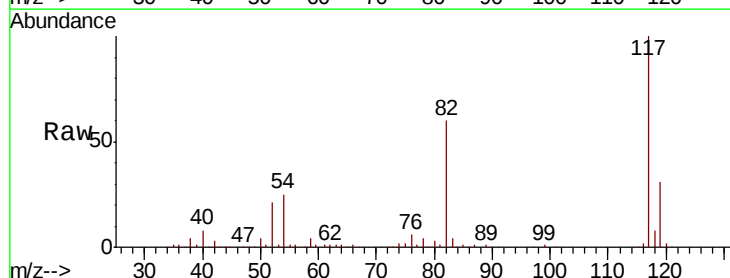
Tgt Ion: 117 Resp: 138996

Ion Ratio Lower Upper

117 100

82 57.9 47.8 71.8

119 31.7 25.6 38.4



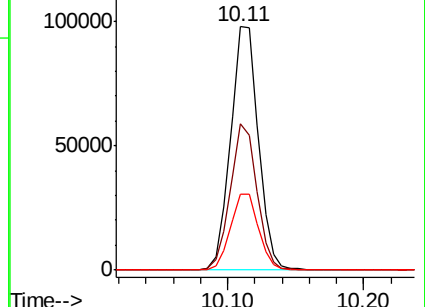
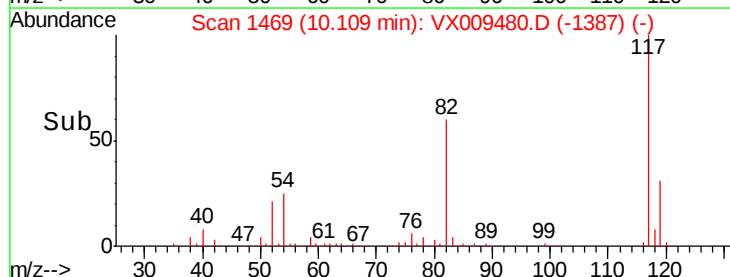
Abundance Ion 117.00 (116.70 to 117.70): V

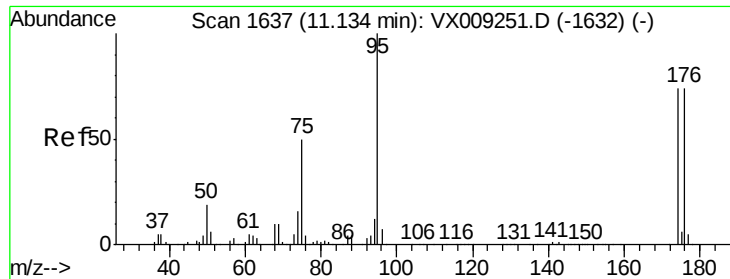
Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

10.11

10.20

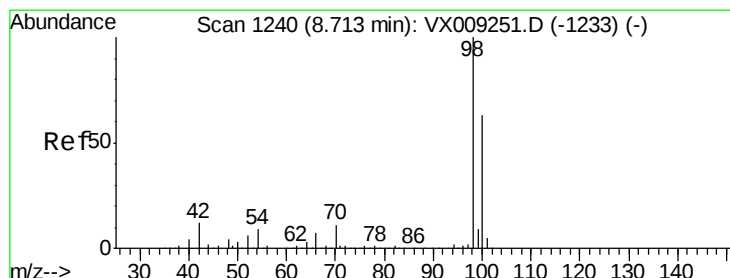
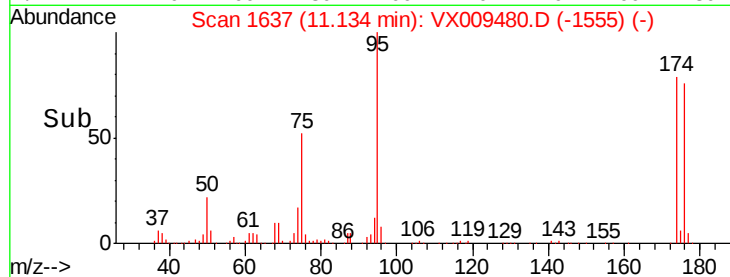
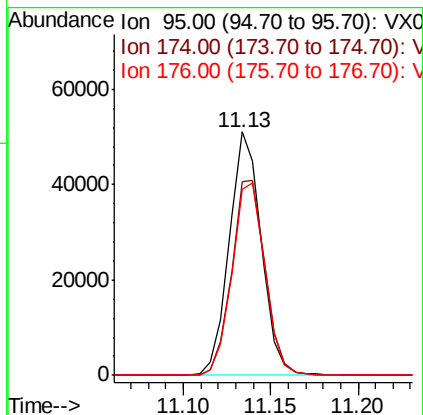
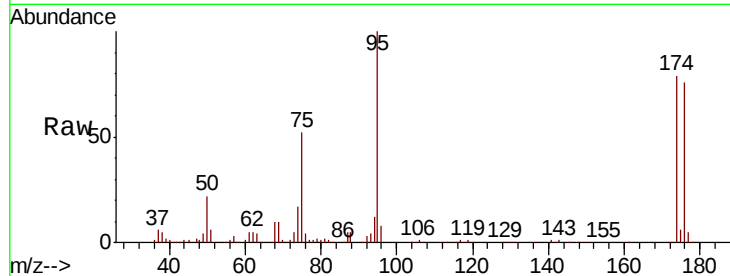




#60
 4-Bromofluorobenzene
 Concen: 27.593 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009480.D
 Acq: 10 May 2019 14:01

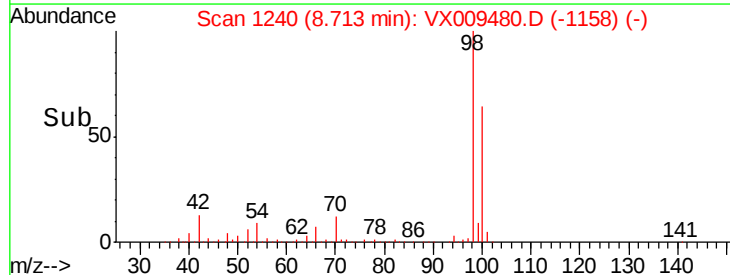
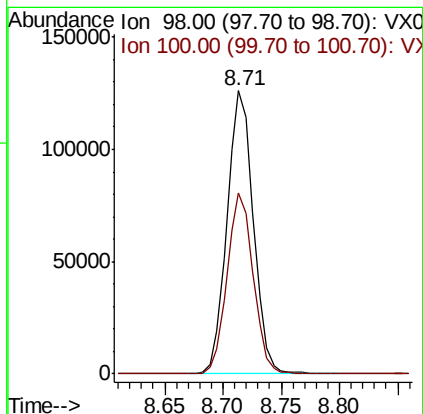
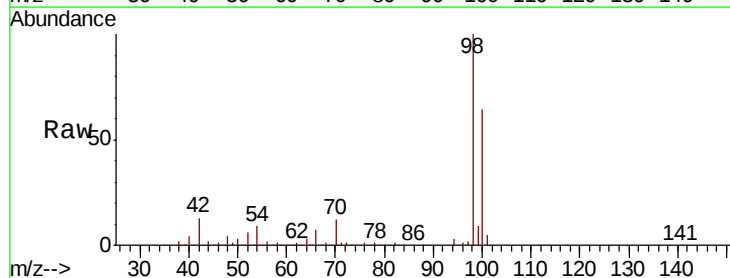
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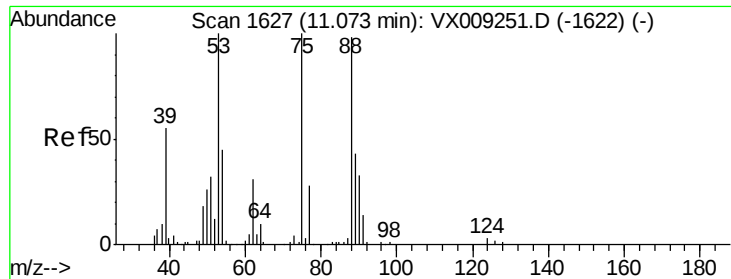
Tot Ion: 95 Resp: 65172
 Ion Ratio Lower Upper
 95 100
 174 83.5 63.6 95.4
 176 81.4 62.4 93.6



#63
 Toluene-d8
 Concen: 30.051 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009480.D
 Acq: 10 May 2019 14:01

Tgt Ion: 98 Resp: 198031
 Ion Ratio Lower Upper
 98 100
 100 63.5 52.3 78.5





#77
t-1,4-Dichloro-2-butene
Concen: 32.602 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009480.D
Acq: 10 May 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-01DL

Tot Ion: 75 Resp: 33156
Ion Ratio Lower Upper
75 100
53 0.0 50.0 149.8#
89 0.0 21.6 65.0#

