

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003901.D
 Acq On : 08 Aug 2018 01:25
 Operator : JC/MD
 Sample : J4341-01 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

Quant Time: Aug 08 04:18:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	62208	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	327831	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	302417	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	136352	29.86	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.53%
60) 4-Bromofluorobenzene	11.14	95	124626	25.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.30%
63) Toluene-d8	8.72	98	387179	28.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.73%

Target Compounds

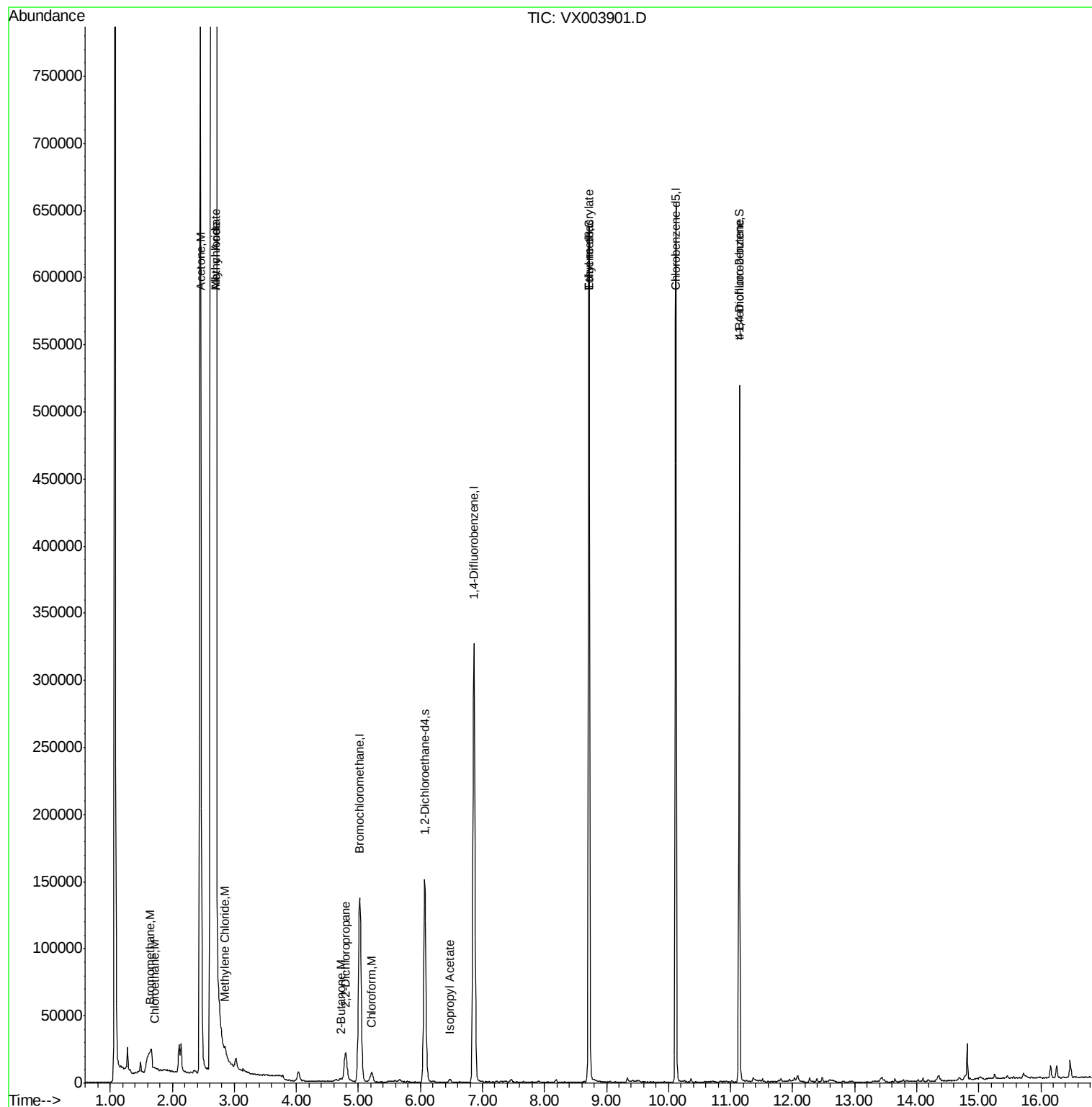
						Ovalue
5) Bromomethane	1.64	94	1243	0.45	ug/l	84
6) Chloroethane	1.72	64	2804	0.92	ug/l #	53
12) Methyl Acetate	2.69	43	11422831	1730.95	ug/l #	56
15) Acetone	2.45	58	303201	429.70	ug/l	78
17) Allyl chloride	2.69	41	4770555	646.31	ug/l #	76
18) Methylene Chloride	2.86	84	2600	0.62	ug/l	93
25) Chloroform	5.22	83	7679	1.16	ug/l	93
30) 2-Butanone	4.71	43	3802	1.23	ug/l #	62
31) 2,2-Dichloropropane	4.79	77	1946	0.41	ug/l #	52
44) Isopropyl Acetate	6.47	43	2544	0.29	ug/l #	74
51) Ethyl methacrylate	8.72	69	1386	0.23	ug/l #	79
77) t-1,4-Dichloro-2-butene	11.14	75	62096	35.02	ug/l #	11

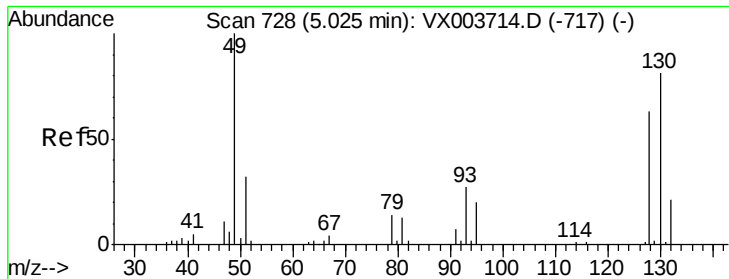
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 04:18:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

Instrument :

MSVOA_X

ClientSampleId :

DSN001-SEWER-OUTLET-001

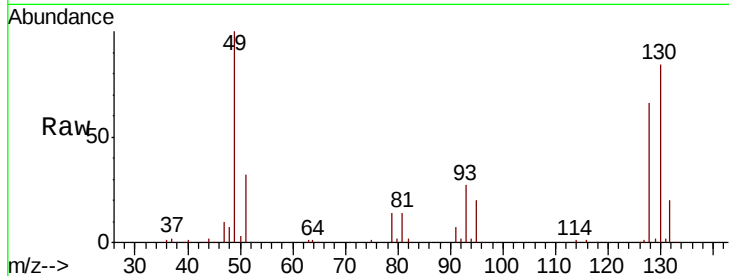
Tot Ion:128 Resp: 62208

Ion Ratio Lower Upper

128 100

49 155.5 0.0 423.0

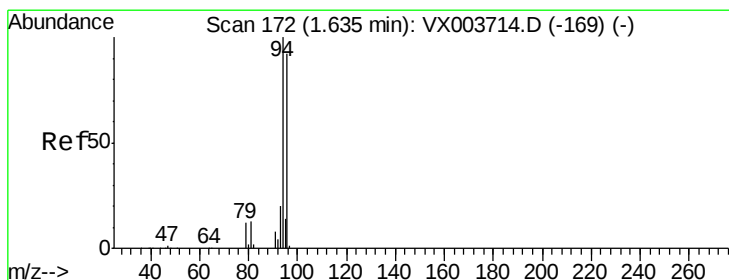
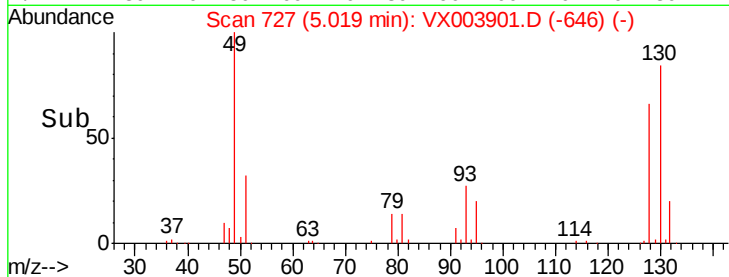
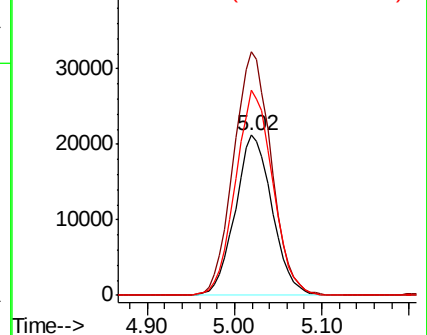
130 129.1 0.0 324.3



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



#5

Bromomethane

Concen: 0.45 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003901.D

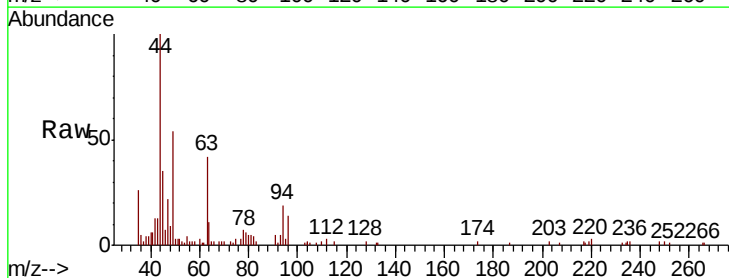
Acq: 08 Aug 2018 01:25

Tgt Ion: 94 Resp: 1243

Ion Ratio Lower Upper

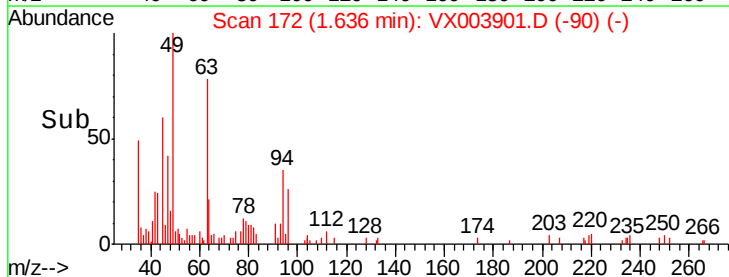
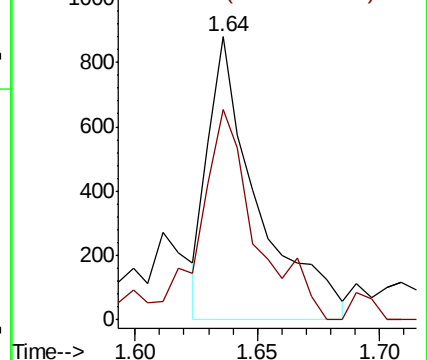
94 100

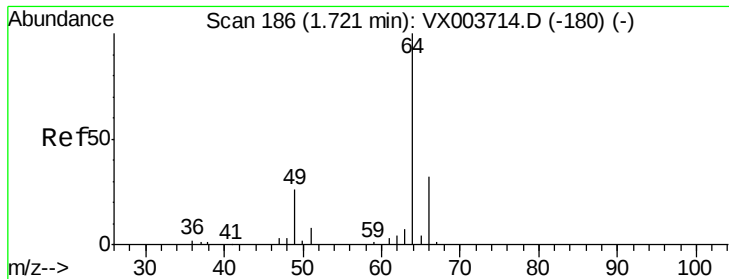
96 79.4 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#6

Chloroethane

Concen: 0.92 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

Instrument :

MSVOA_X

ClientSampleId :

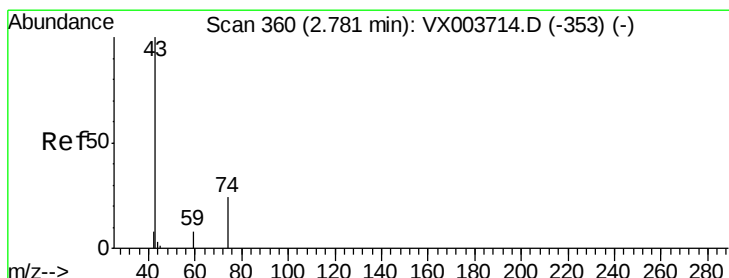
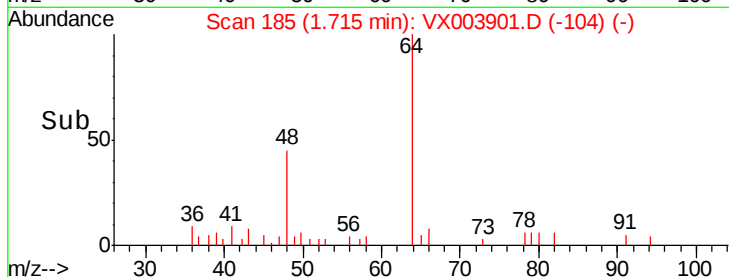
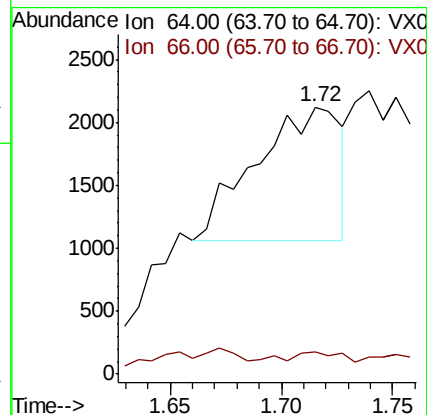
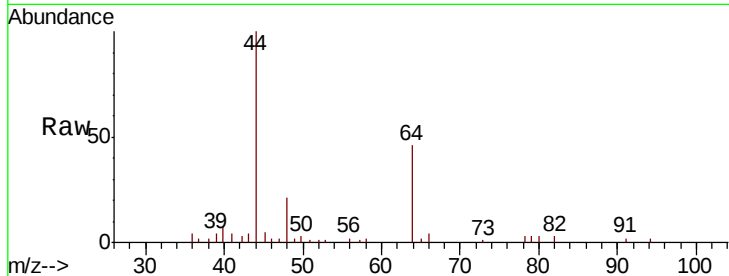
DSN001-SEWER-OUTLET-001

Tot Ion: 64 Resp: 2804

Ion Ratio Lower Upper

64 100

66 4.7 24.3 36.5#



#12

Methyl Acetate

Concen: 1730.95 ug/l

RT: 2.69 min Scan# 345

Delta R.T. -0.09 min

Lab File: VX003901.D

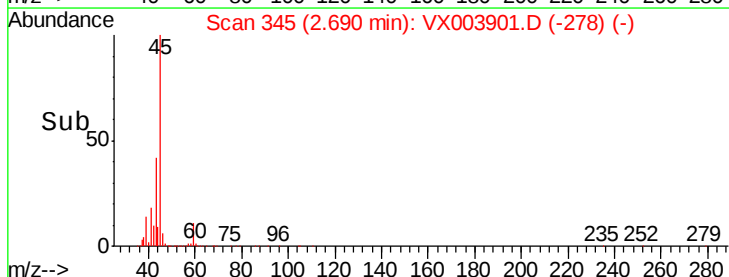
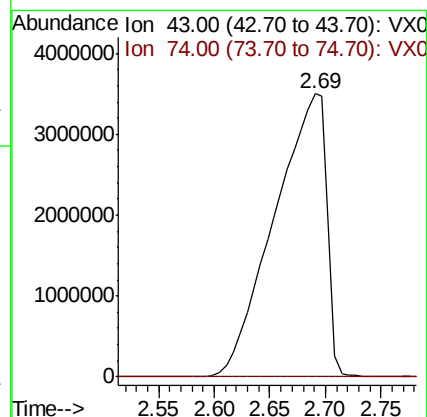
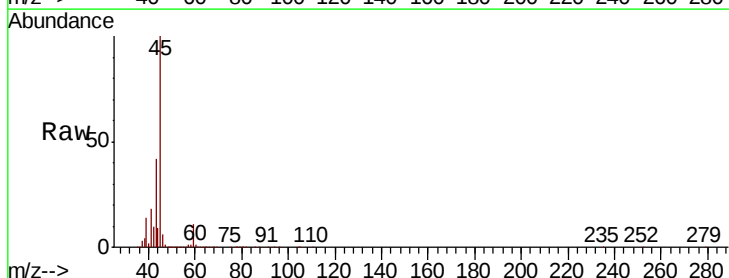
Acq: 08 Aug 2018 01:25

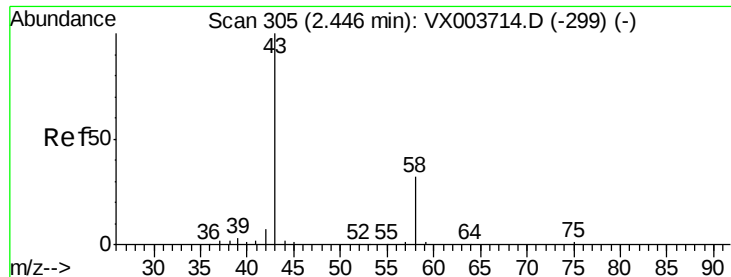
Tgt Ion: 43 Resp: 11422831

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#





#15

Acetone

Concen: 429.70 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

Instrument :

MSVOA_X

ClientSampleId :

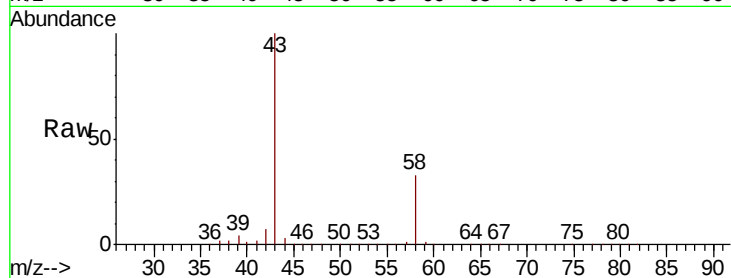
DSN001-SEWER-OUTLET-001

Tot Ion: 58 Resp: 303201

Ion Ratio Lower Upper

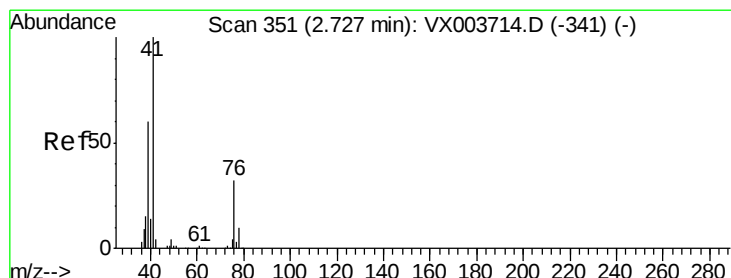
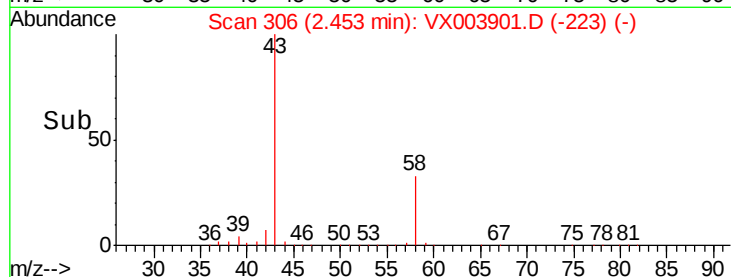
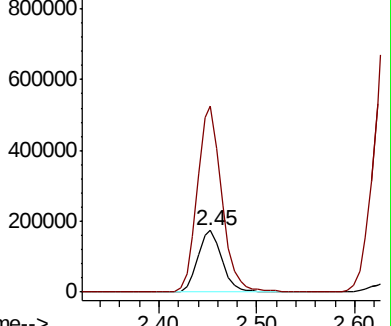
58 100

43 301.8 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#17

Allyl chloride

Concen: 646.31 ug/l

RT: 2.69 min Scan# 345

Delta R.T. -0.04 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

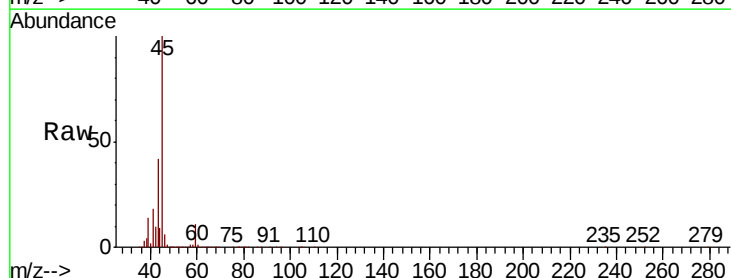
Tgt Ion: 41 Resp: 4770555

Ion Ratio Lower Upper

41 100

39 77.8 34.6 103.8

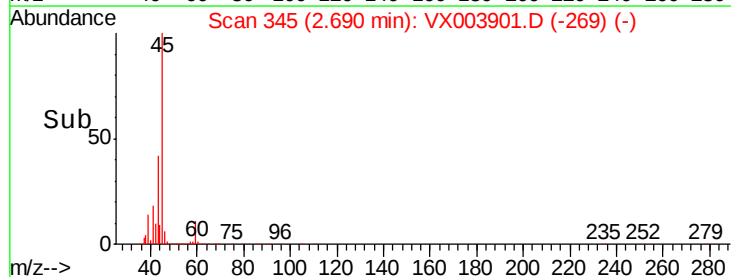
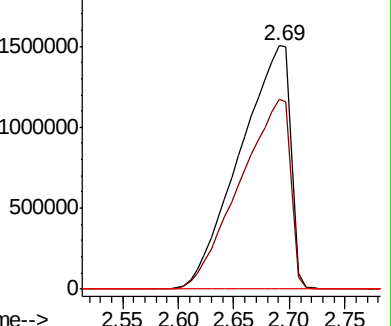
76 0.0 15.0 45.1#

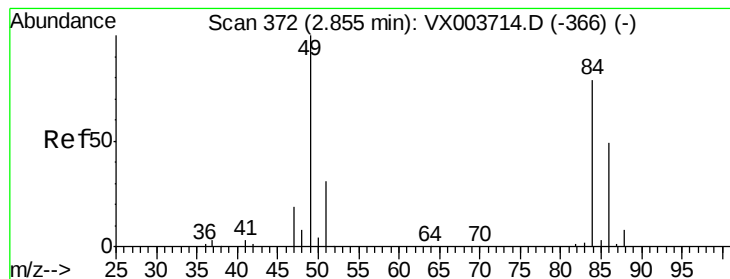


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0





#18

Methylene Chloride

Concen: 0.62 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

Instrument :

MSVOA_X

ClientSampleId :

DSN001-SEWER-OUTLET-001

Tot Ion: 84 Resp: 2600

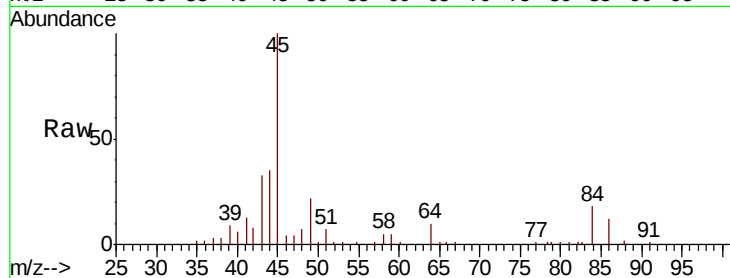
Ion Ratio Lower Upper

84 100

49 121.5 104.7 157.1

51 34.2 31.0 46.4

86 67.1 50.8 76.2

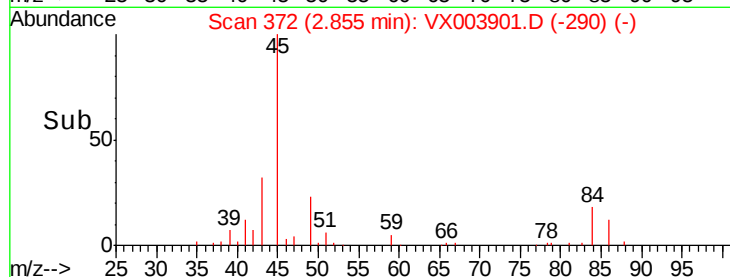


Abundance Ion 84.00 (83.70 to 84.70): VX0

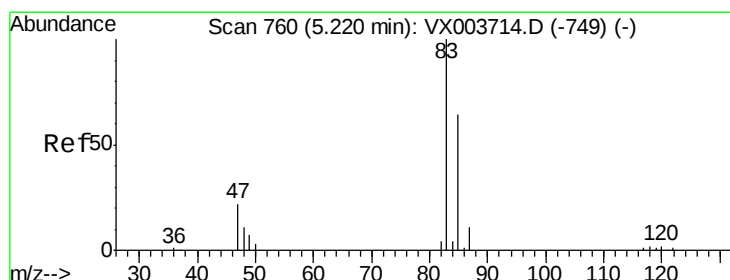
Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#25

Chloroform

Concen: 1.16 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003901.D

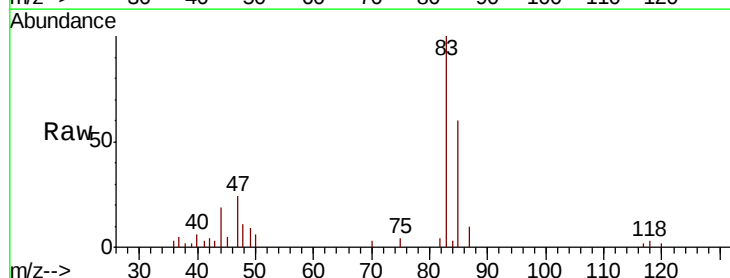
Acq: 08 Aug 2018 01:25

Tgt Ion: 83 Resp: 7679

Ion Ratio Lower Upper

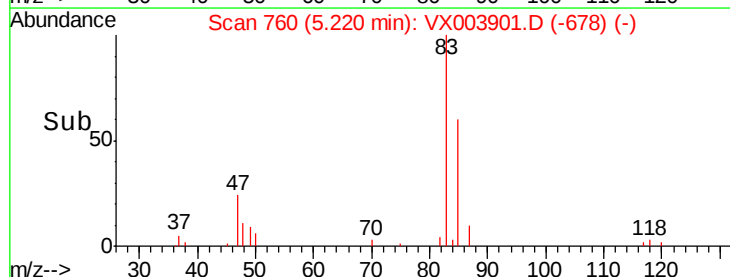
83 100

85 59.5 51.9 77.9

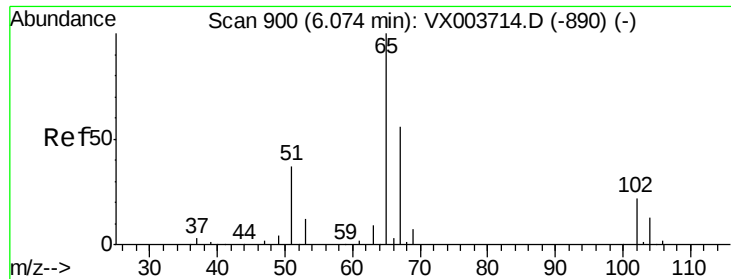


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



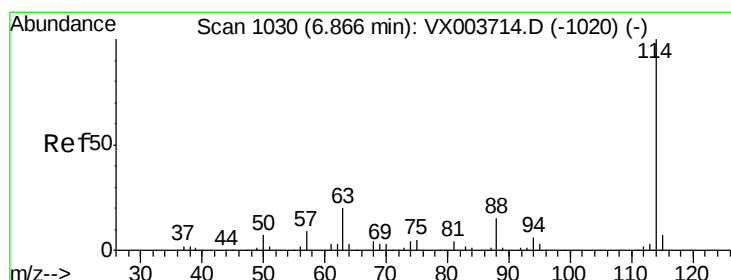
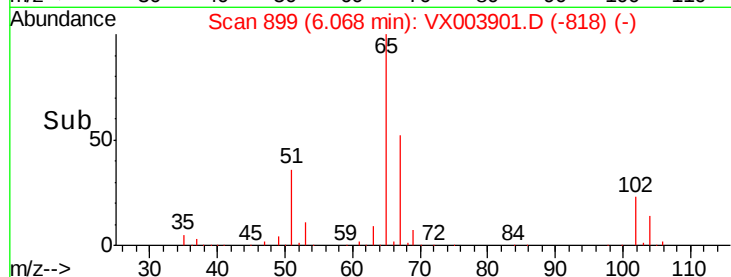
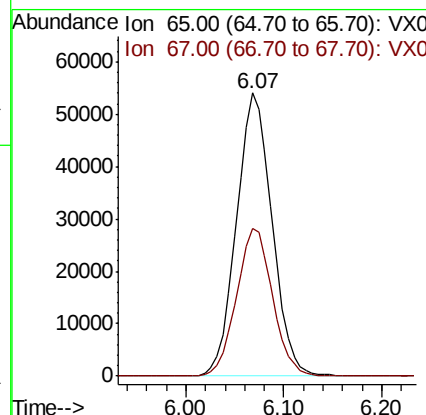
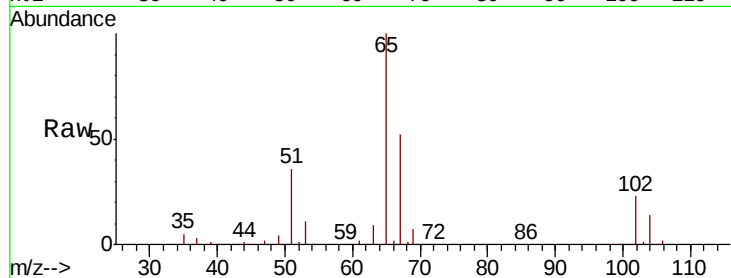
Time-->



#27
 1,2-Dichloroethane-d4
 Concen: 29.86 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003901.D
 Acq: 08 Aug 2018 01:25

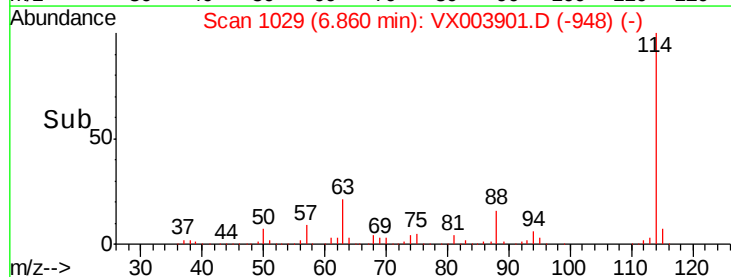
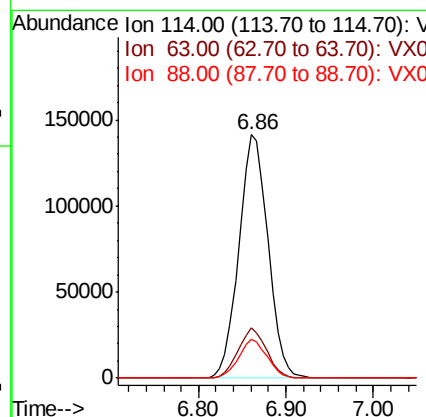
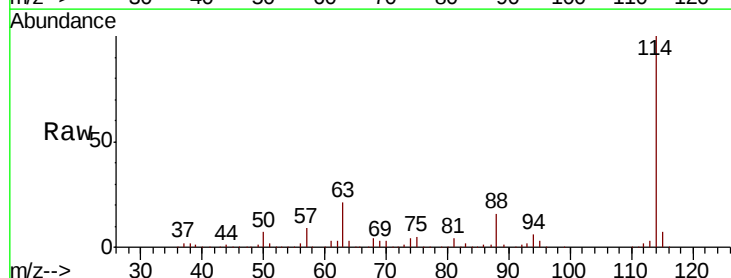
Instrument :
 MSVOA_X
 ClientSampleId :
 DSN001-SEWER-OUTLET-001

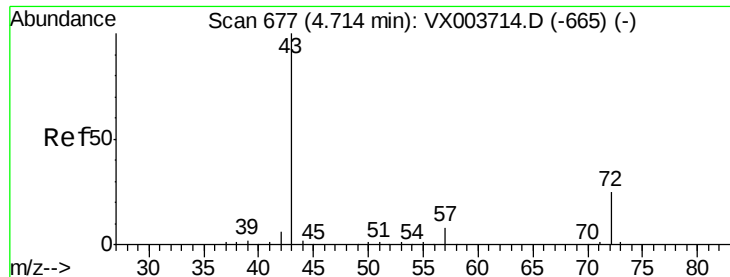
Tot Ion: 65 Resp: 136352
 Ion Ratio Lower Upper
 65 100
 67 52.8 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003901.D
 Acq: 08 Aug 2018 01:25

Tgt Ion: 114 Resp: 327831
 Ion Ratio Lower Upper
 114 100
 63 20.1 17.1 25.7
 88 15.5 12.6 19.0

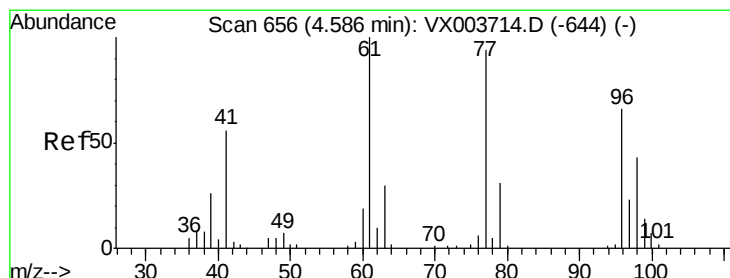
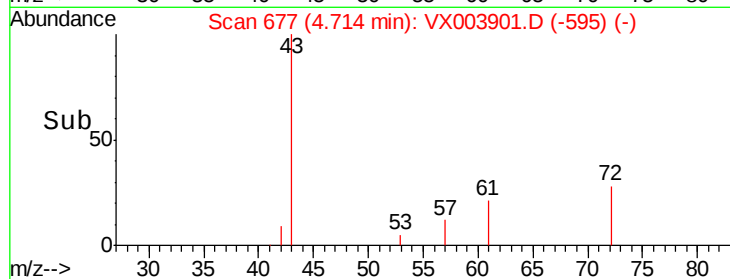
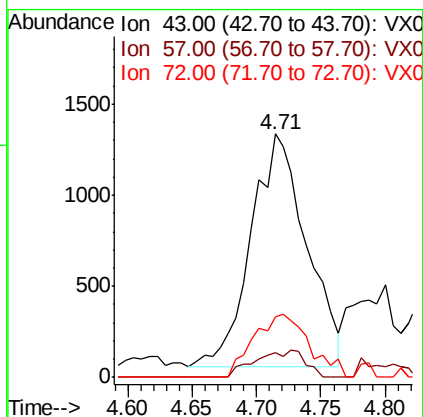
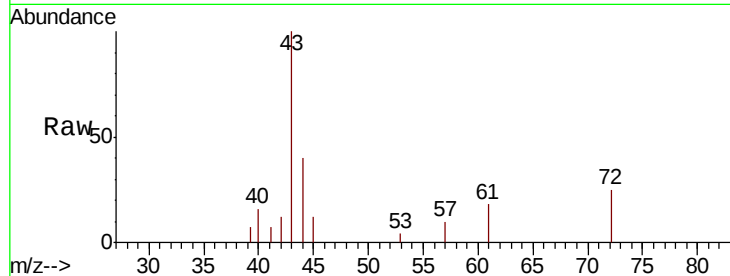




#30
2-Butanone
Concen: 1.23 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.00 min
Lab File: VX003901.D
Acq: 08 Aug 2018 01:25

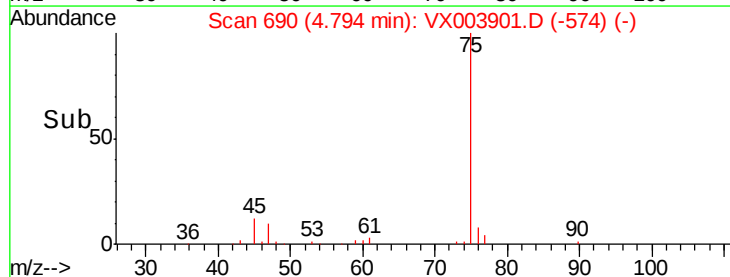
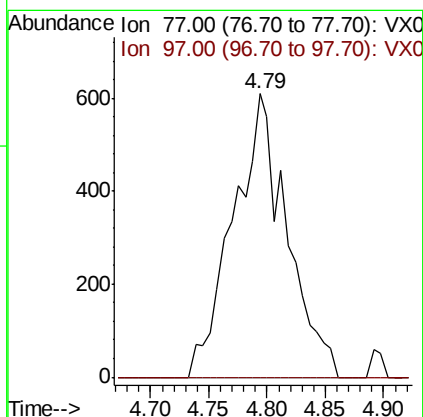
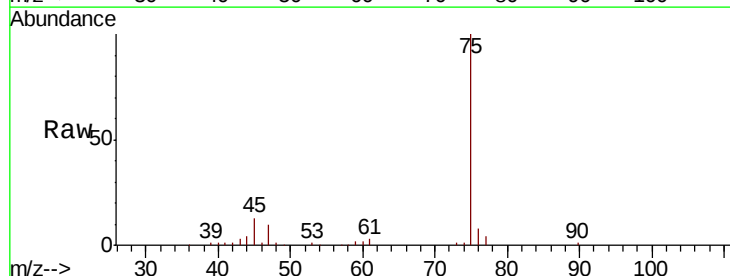
Instrument :
MSVOA_X
ClientSampleId :
DSN001-SEWER-OUTLET-001

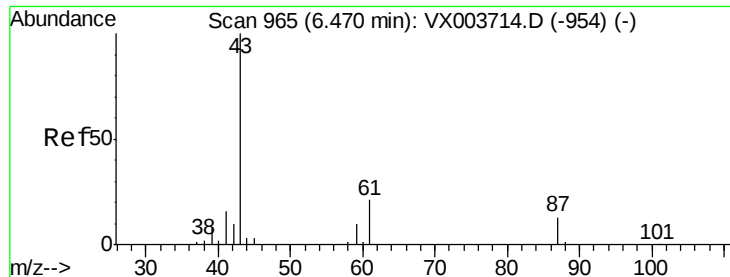
Tot Ion: 43 Resp: 3802
Ion Ratio Lower Upper
43 100
57 4.0 6.1 9.1#
72 0.0 18.1 27.1#



#31
2,2-Dichloropropane
Concen: 0.41 ug/l
RT: 4.79 min Scan# 690
Delta R.T. 0.21 min
Lab File: VX003901.D
Acq: 08 Aug 2018 01:25

Tgt Ion: 77 Resp: 1946
Ion Ratio Lower Upper
77 100
97 0.0 18.7 28.1#





#44

Isopropyl Acetate

Concen: 0.29 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

Instrument :

MSVOA_X

ClientSampleId :

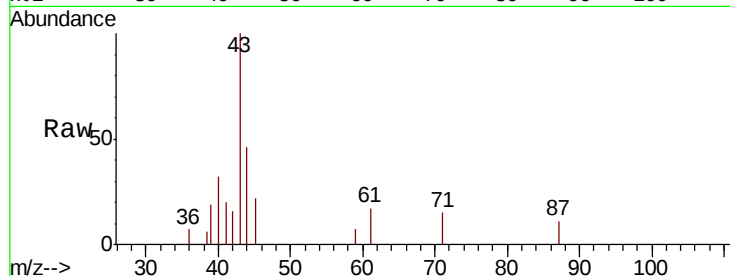
DSN001-SEWER-OUTLET-001

Tot Ion: 43 Resp: 2544

Ion Ratio Lower Upper

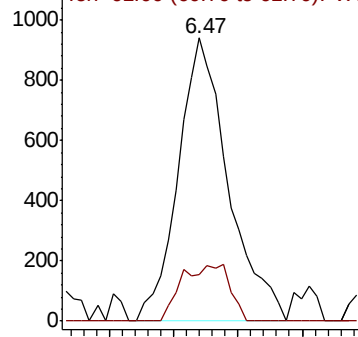
43 100

61 6.8 14.5 21.7#

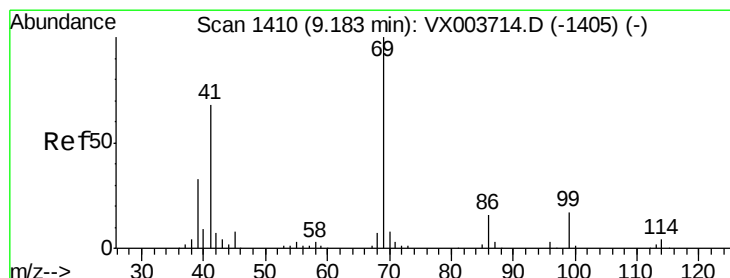
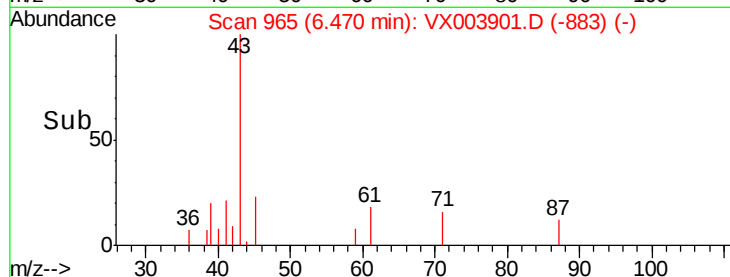


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#51

Ethyl methacrylate

Concen: 0.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.46 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

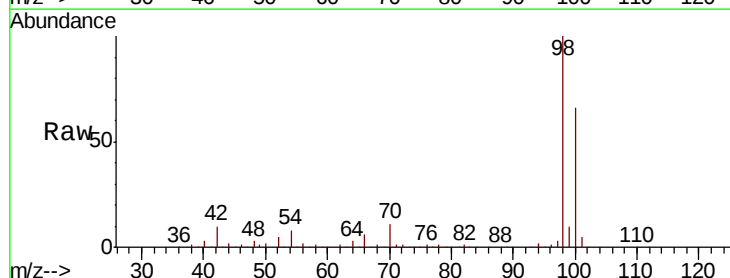
Tgt Ion: 69 Resp: 1386

Ion Ratio Lower Upper

69 100

41 68.9 39.1 117.3

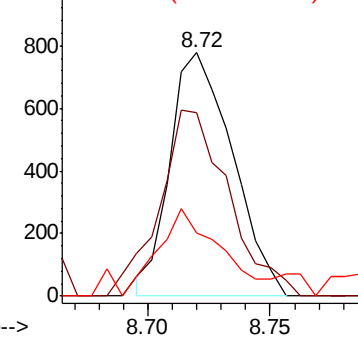
39 18.1 21.7 65.1#



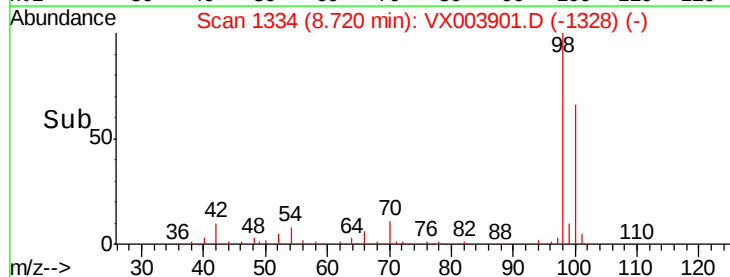
Abundance Ion 69.00 (68.70 to 69.70): VX0

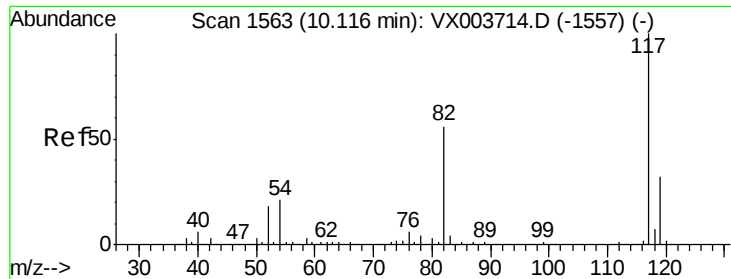
Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

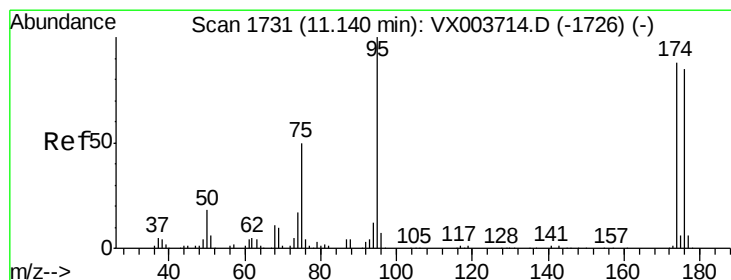
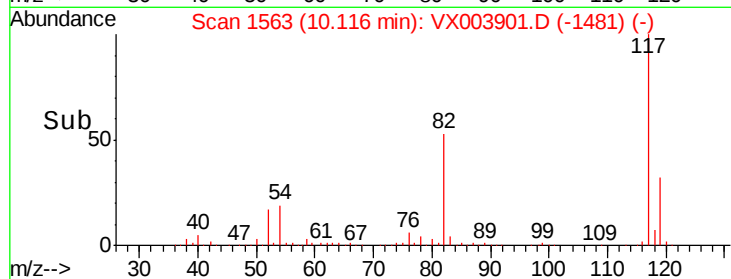
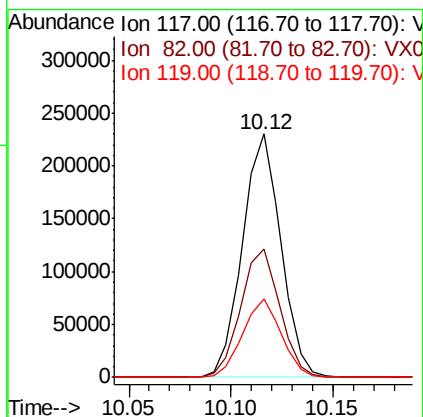
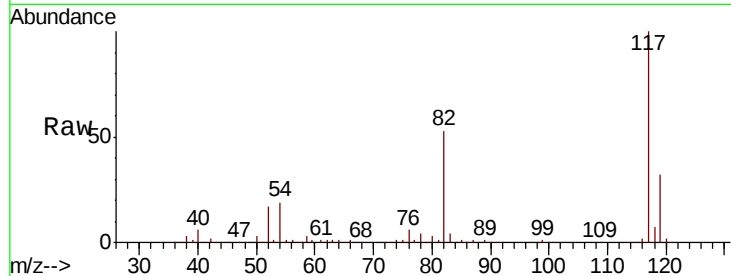




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003901.D
Acq: 08 Aug 2018 01:25

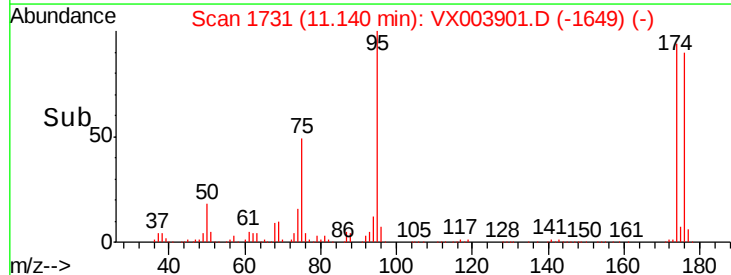
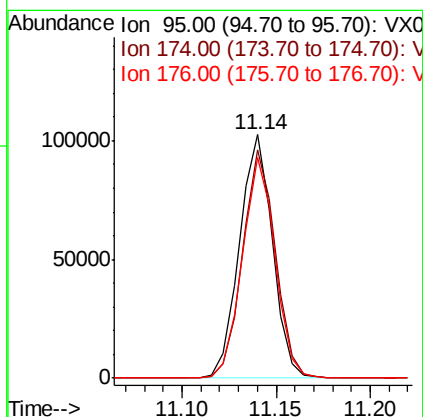
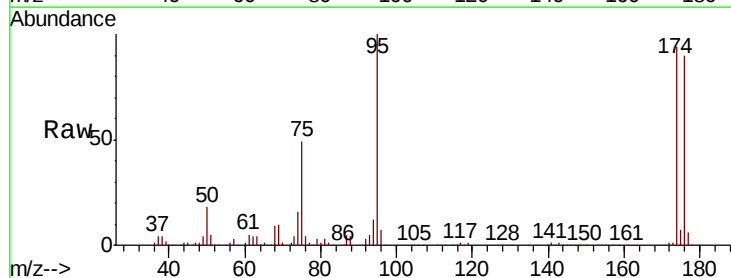
Instrument :
MSVOA_X
ClientSampleId :
DSN001-SEWER-OUTLET-001

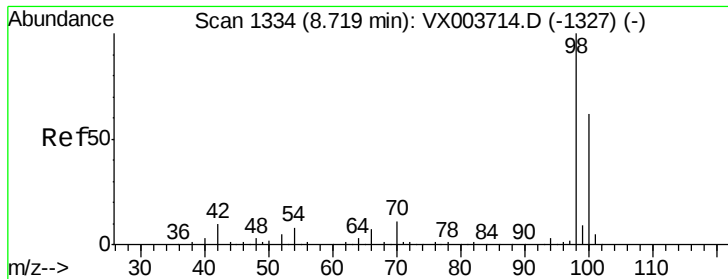
Tot Ion:117 Resp: 302417
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 32.4 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 25.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003901.D
Acq: 08 Aug 2018 01:25

Tgt Ion: 95 Resp: 124626
Ion Ratio Lower Upper
95 100
174 93.2 71.8 107.6
176 90.1 70.1 105.1





#63

Toluene-d8

Concen: 28.42 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

Instrument :

MSVOA_X

ClientSampleId :

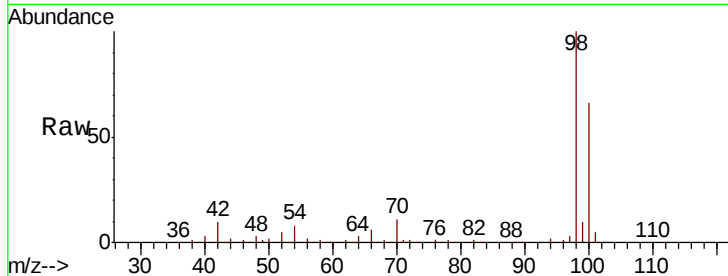
DSN001-SEWER-OUTLET-001

Tot Ion: 98 Resp: 387179

Ion Ratio Lower Upper

98 100

100 65.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

250000

200000

150000

100000

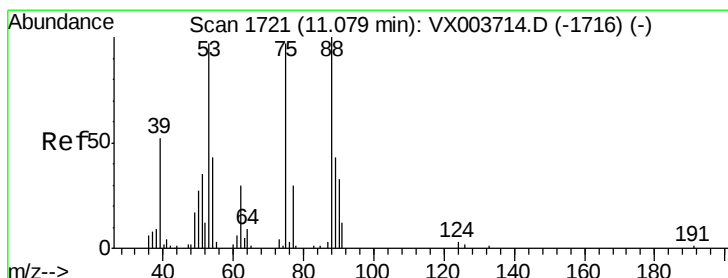
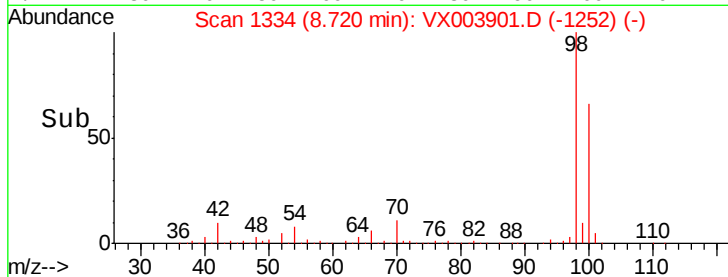
50000

0

8.70

8.80

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 35.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003901.D

Acq: 08 Aug 2018 01:25

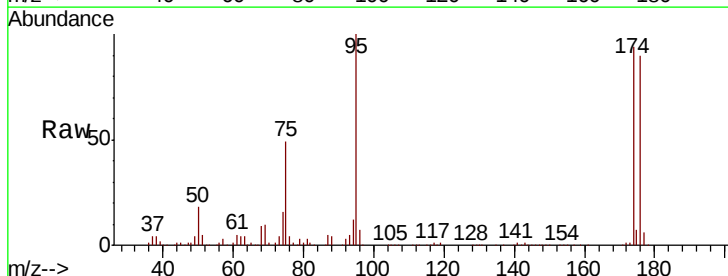
Tgt Ion: 75 Resp: 62096

Ion Ratio Lower Upper

75 100

53 0.3 48.3 144.9#

89 0.0 21.8 65.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

60000

40000

20000

0

11.10

11.15

Time-->

