

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015412.D
 Acq On : 28 Mar 2020 04:17
 Operator : JC/SP
 Sample : L2033-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WATER-RECLAMATION-TANKS

Quant Time: Mar 30 01:53:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1067778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1819590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1727369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	897394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	744950	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	5.47	113	574031	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	8.70	98	2190130	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.12	95	936514	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	

Target Compounds

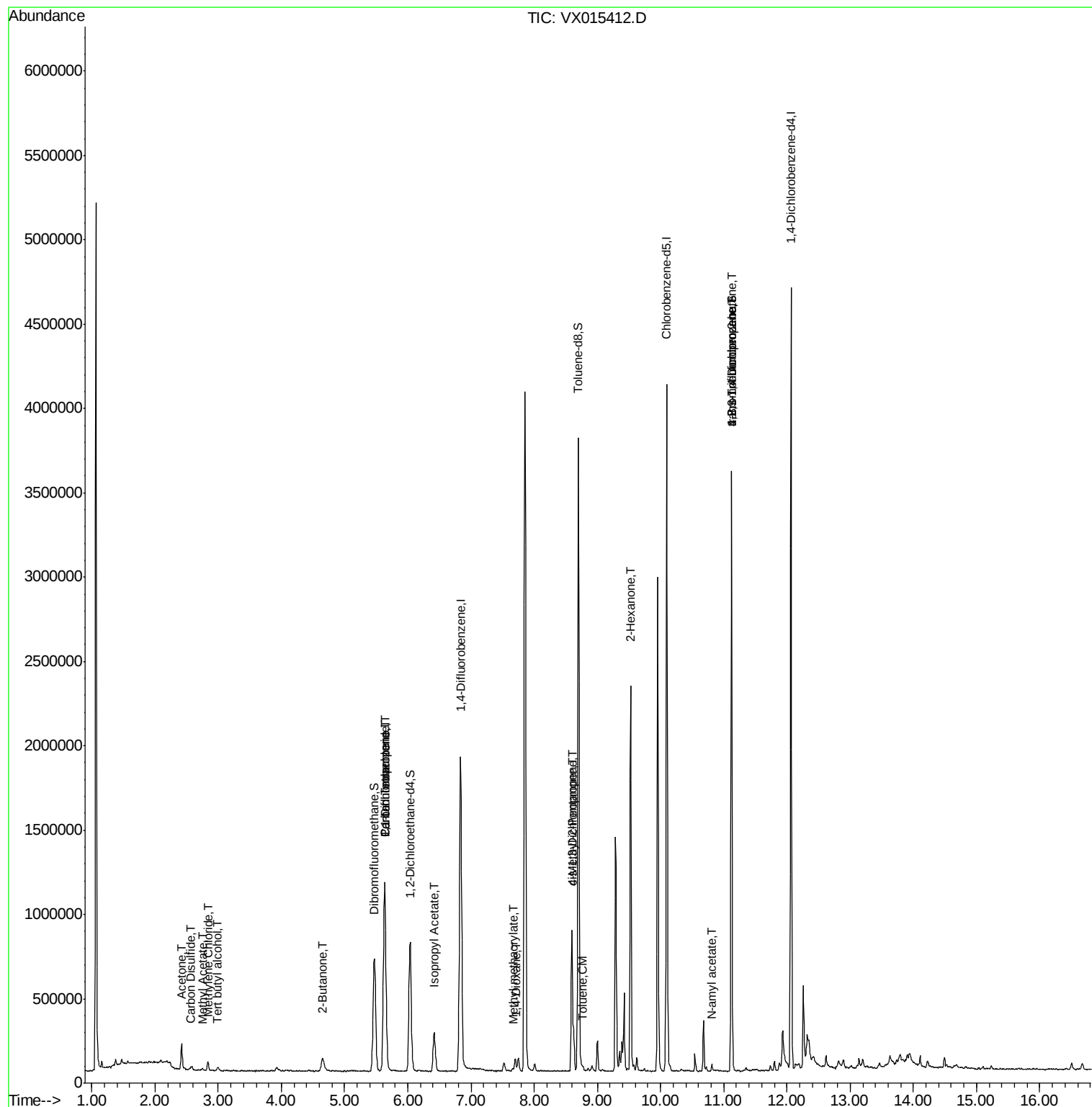
					Qvalue	
5) Bromomethane	1.64	94	759	Below Cal	#	40
11) Tert butyl alcohol	3.00	59	15913	4.415	ug/l #	88
16) Acetone	2.42	43	163502	25.271	ug/l	97
17) Carbon Disulfide	2.55	76	10818	0.352	ug/l #	89
18) Methyl Acetate	2.75	43	15139	0.917	ug/l	99
20) Methylene Chloride	2.84	84	24054	1.990	ug/l	96
25) 2-Butanone	4.65	43	59061	5.676	ug/l	97
36) 1,1-Dichloropropene	5.64	75	82160	4.901	ug/l #	52
38) Carbon Tetrachloride	5.64	117	109454	6.028	ug/l #	13
43) Isopropyl Acetate	6.42	43	341183	9.258	ug/l	99
48) Methyl methacrylate	7.66	41	24167	1.313	ug/l #	18
49) 1,4-Dioxane	7.72	88	268	0.780	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	435491	20.853	ug/l #	38
52) Toluene	8.77	92	6468	0.214	ug/l	89
54) cis-1,3-Dichloropropene	8.60	75	133386	5.946	ug/l #	54
59) 2-Hexanone	9.53	43	278620	17.671	ug/l #	51
74) N-amyl acetate	10.81	43	24326	0.744	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	483813	26.217	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	483813	62.906	ug/l #	10

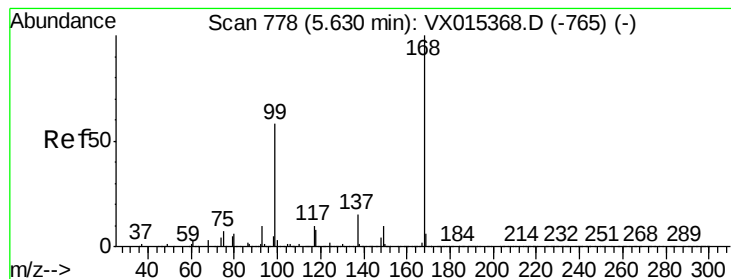
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

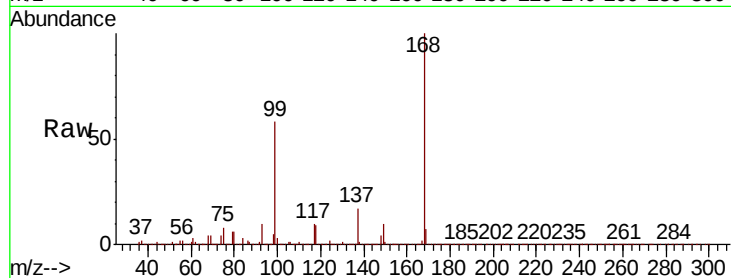
WATER-RECLAMATION-TANKS

Tot Ion:168 Resp: 1067778

Ion Ratio Lower Upper

168 100

99 57.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

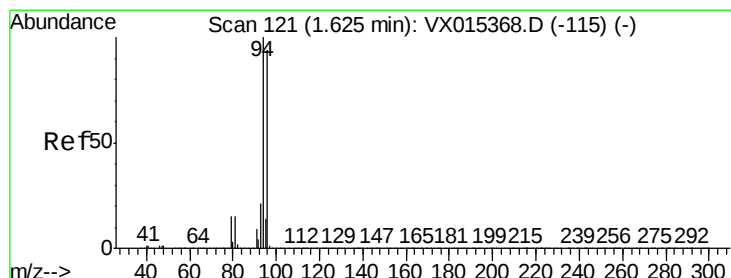
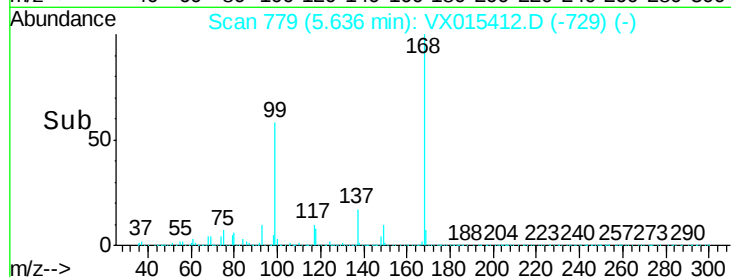
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015412.D

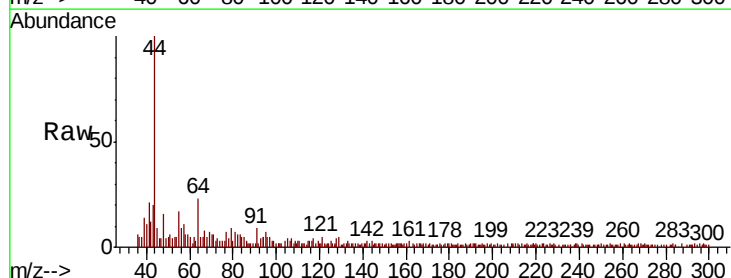
Acq: 28 Mar 2020 04:17

Tgt Ion: 94 Resp: 759

Ion Ratio Lower Upper

94 100

96 35.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

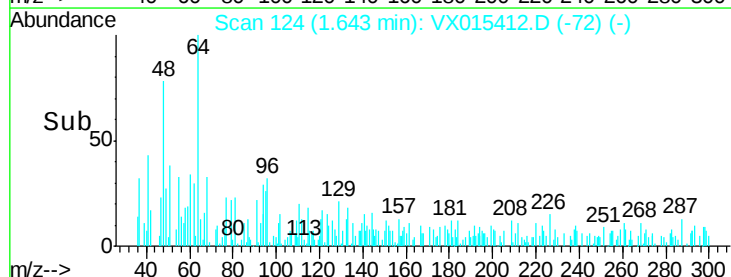
1.64

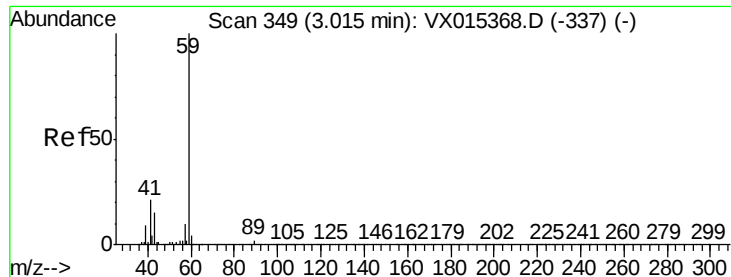
1000

500

0

Time-->

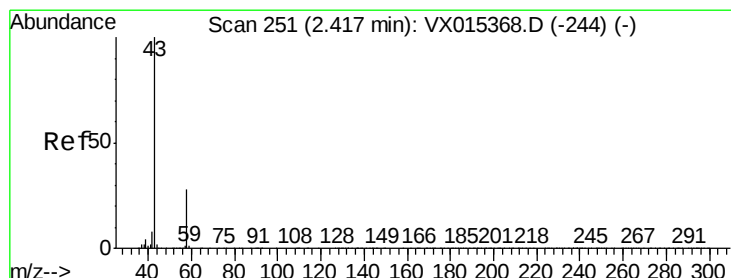
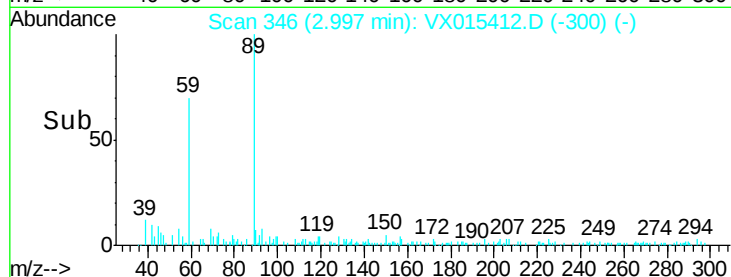
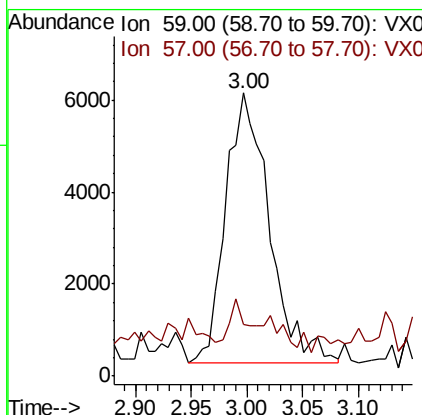
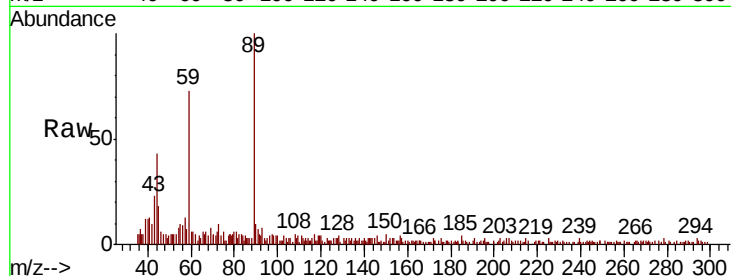




#11
Tert butyl alcohol
Concen: 4.415 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

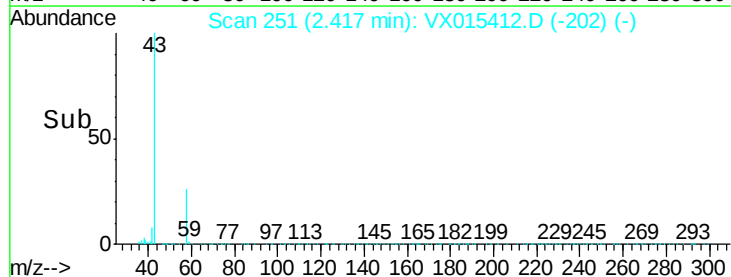
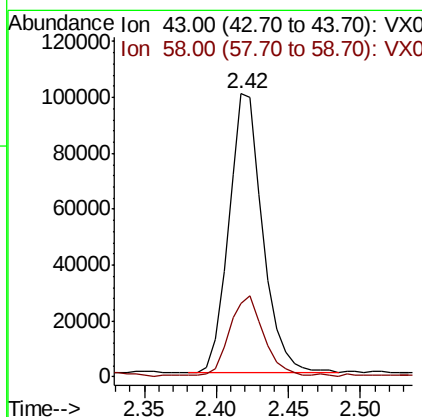
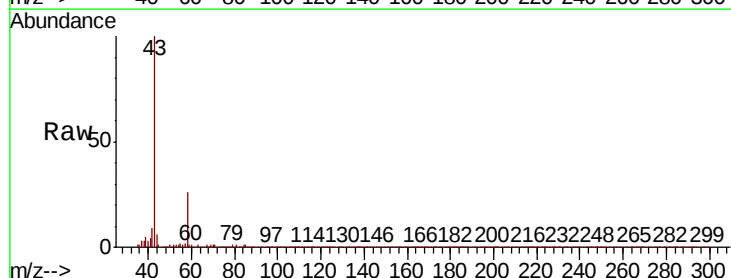
Instrument :
MSVOA_X
ClientSampleId :
WATER-RECLAMATION-TANKS

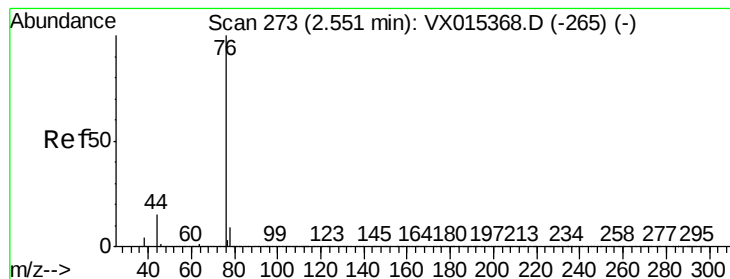
Tot Ion: 59 Resp: 15913
Ion Ratio Lower Upper
59 100
57 5.7 8.1 12.1#



#16
Acetone
Concen: 25.271 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

Tgt Ion: 43 Resp: 163502
Ion Ratio Lower Upper
43 100
58 26.1 22.1 33.1





#17

Carbon Disulfide

Concen: 0.352 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

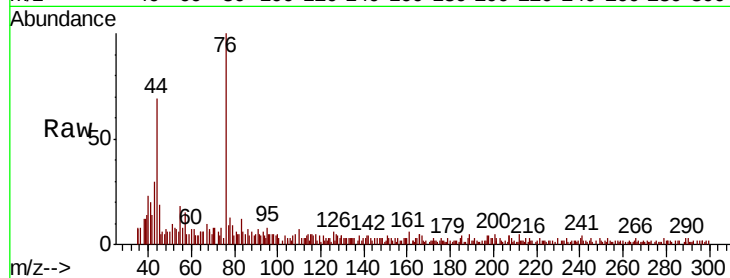
WATER-RECLAMATION-TANKS

Tot Ion: 76 Resp: 10818

Ion Ratio Lower Upper

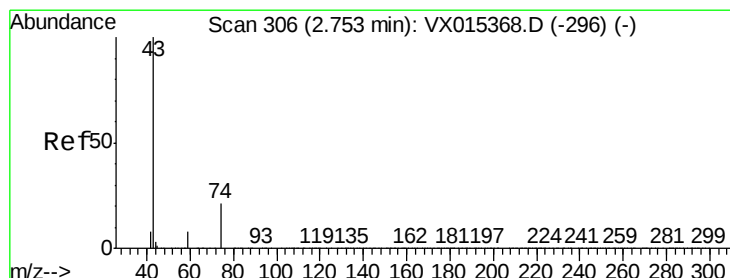
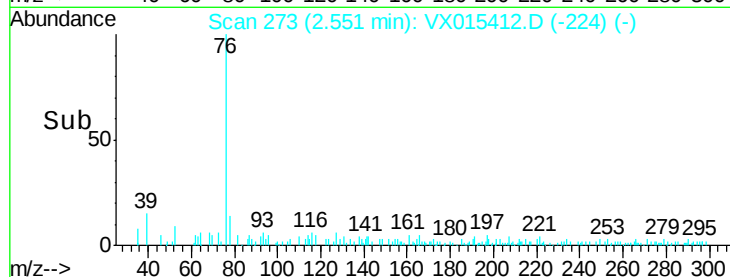
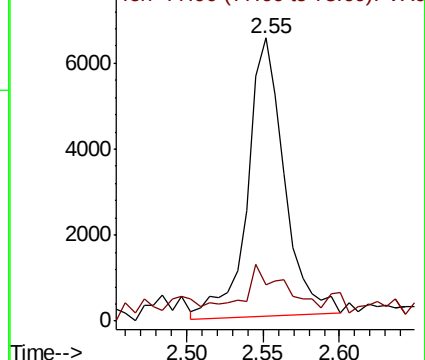
76 100

78 5.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.917 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015412.D

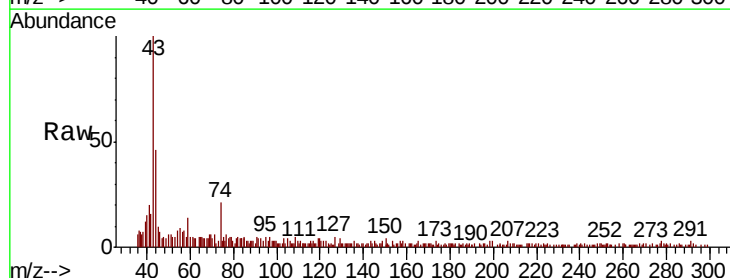
Acq: 28 Mar 2020 04:17

Tgt Ion: 43 Resp: 15139

Ion Ratio Lower Upper

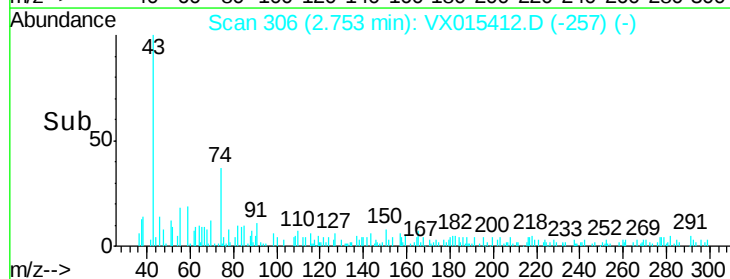
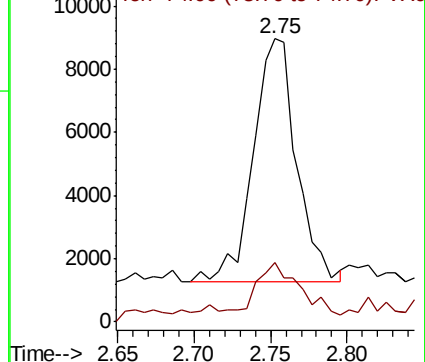
43 100

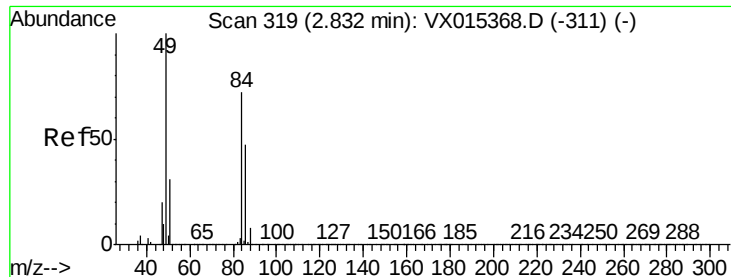
74 20.0 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

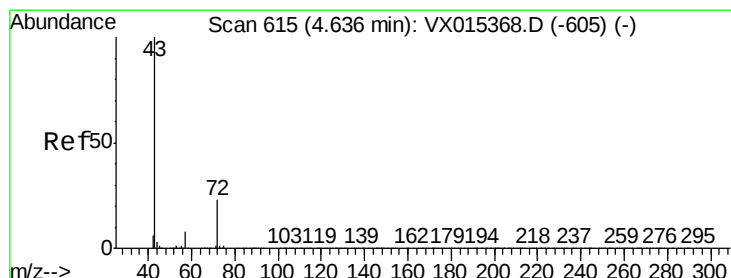
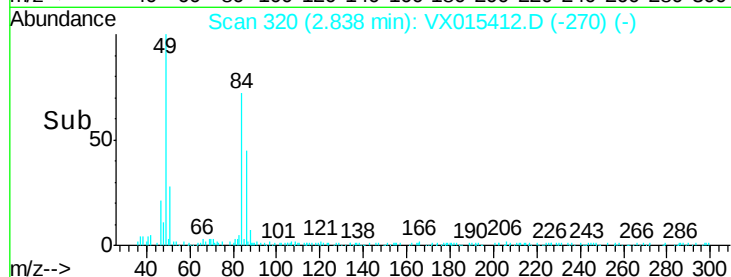
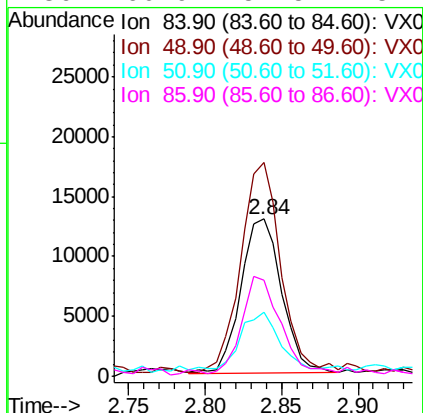
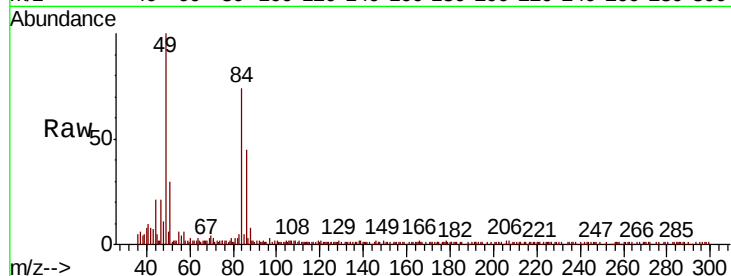




#20
Methvlene Chloride
Concen: 1.990 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

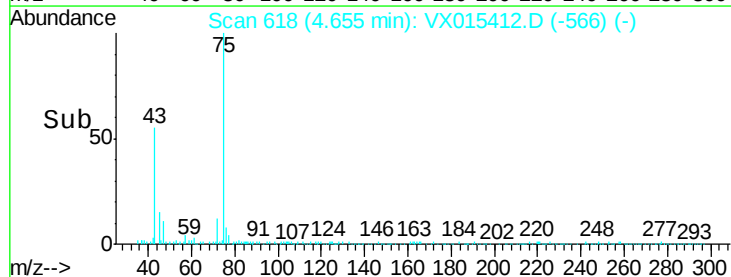
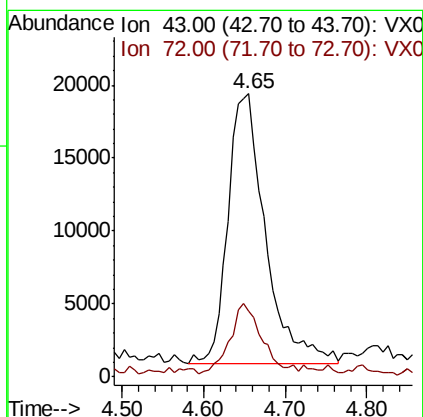
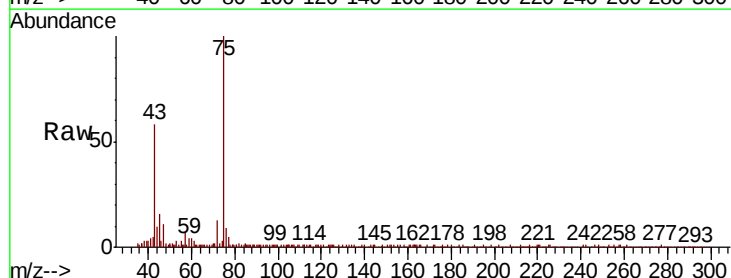
Instrument :
MSVOA_X
ClientSampleId :
WATER-RECLAMATION-TANKS

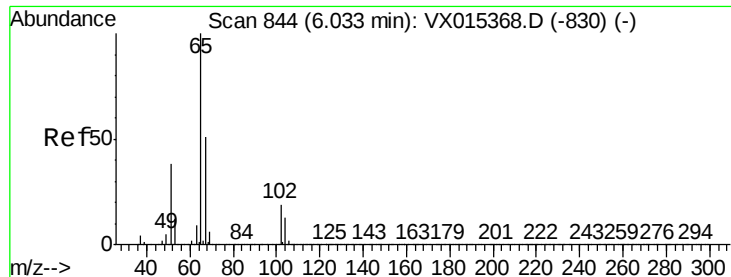
Tot Ion:	84	Resp:	24054
Ion	Ratio	Lower	Upper
84	100		
49	136.8	111.3	166.9
51	38.1	34.0	51.0
86	60.9	52.5	78.7



#25
2-Butanone
Concen: 5.676 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

Tgt Ion:	43	Resp:	59061
Ion	Ratio	Lower	Upper
43	100		
72	22.4	19.0	28.4





#33

1,2-Dichloroethane-d4

Concen: 49.466 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

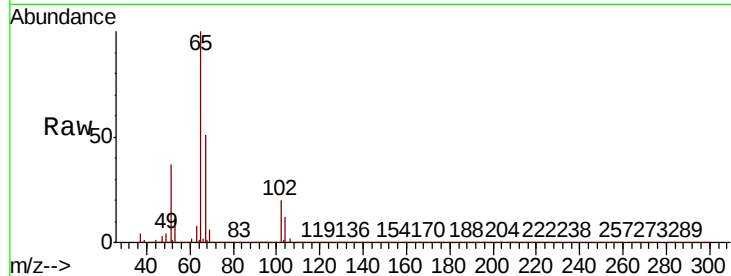
WATER-RECLAMATION-TANKS

Tot Ion: 65 Resp: 744950

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

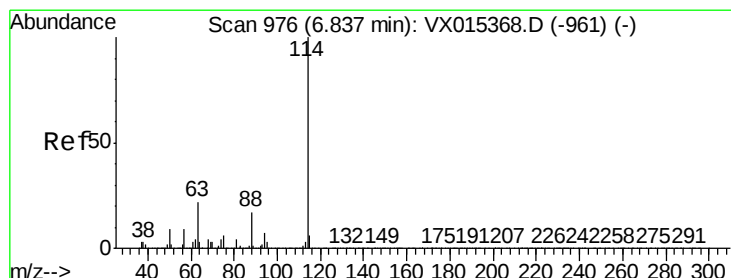
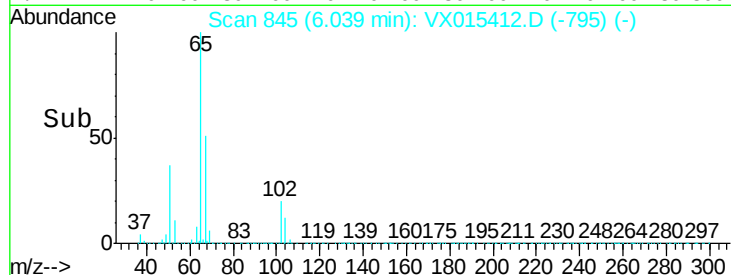
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

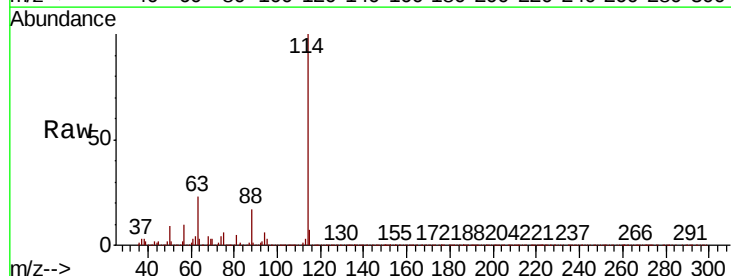
Tgt Ion:114 Resp: 1819590

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.2

88 16.8 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.84

1000000

800000

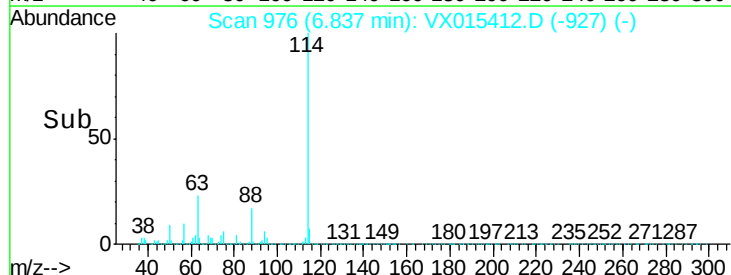
600000

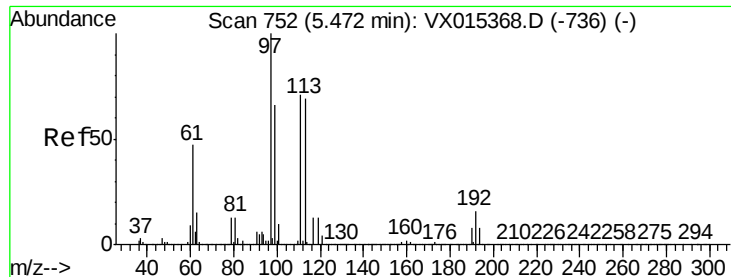
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200000

0

Time-->

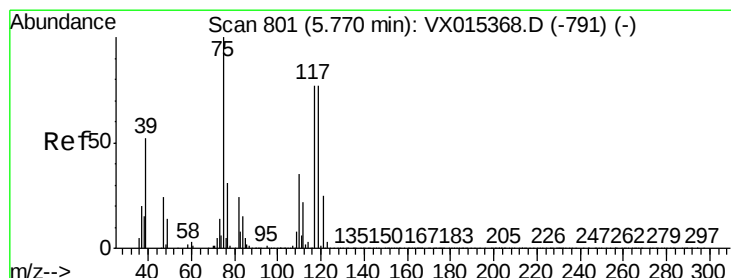
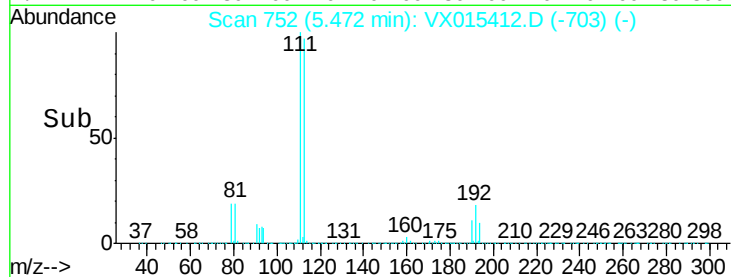
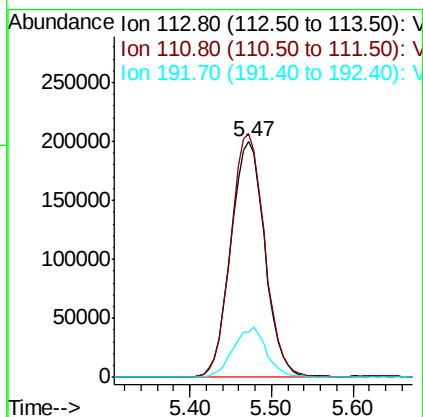
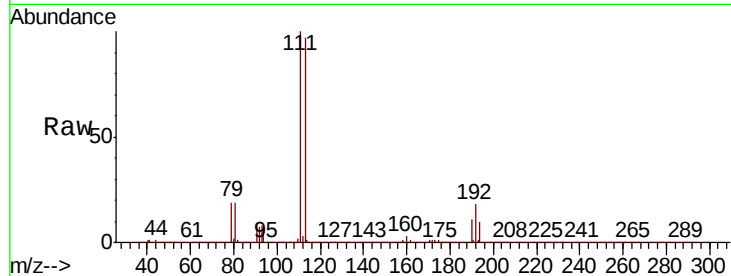




#35
Dibromofluoromethane
Concen: 49.352 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

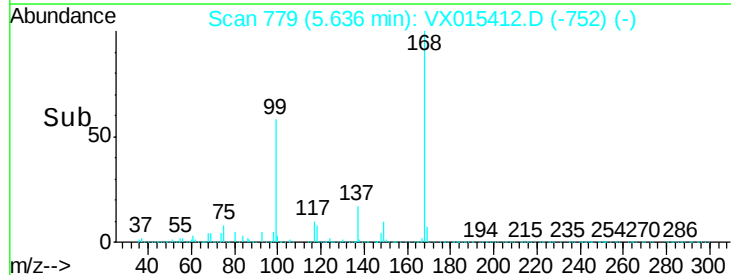
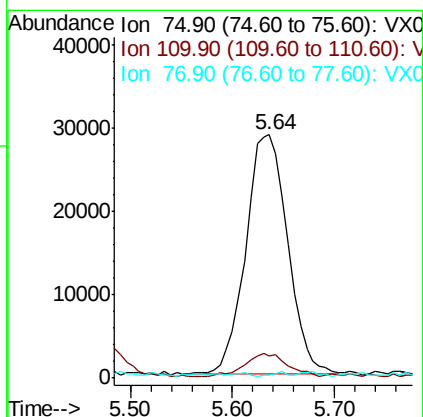
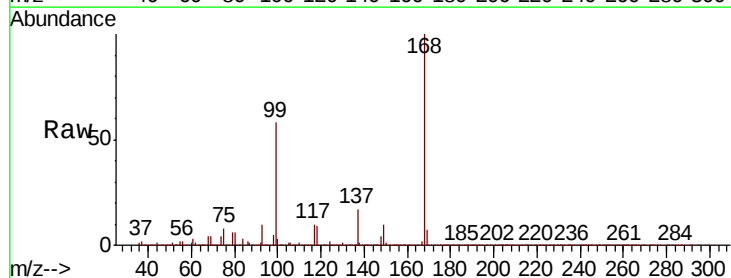
Instrument :
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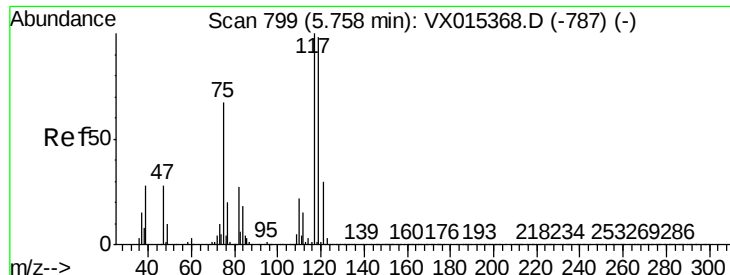
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	20.8	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.1	51.3#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampled :

WATER-RECLAMATION-TANKS

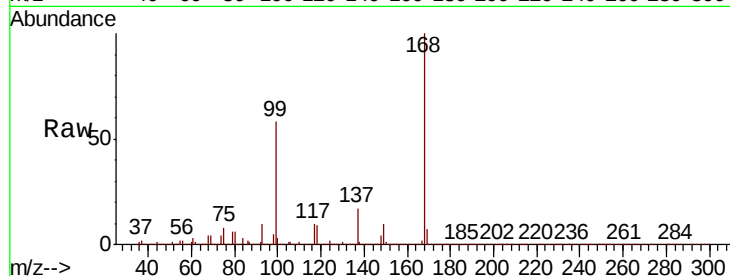
Tot Ion:117 Resp: 109454

Ion Ratio Lower Upper

117 100

119 2.5 78.0 117.0#

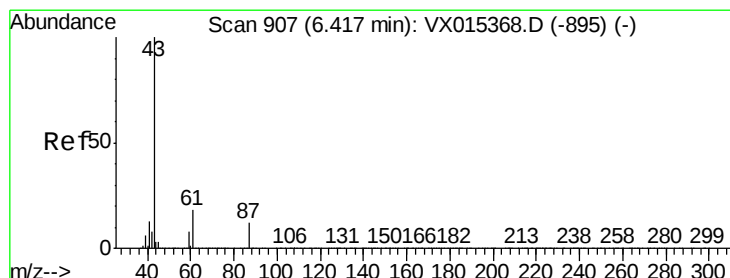
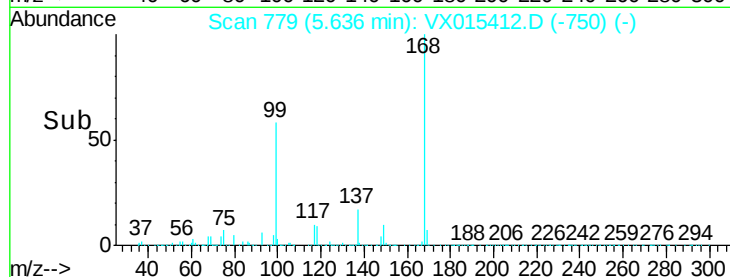
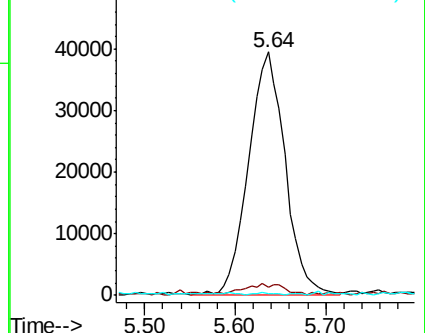
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.258 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

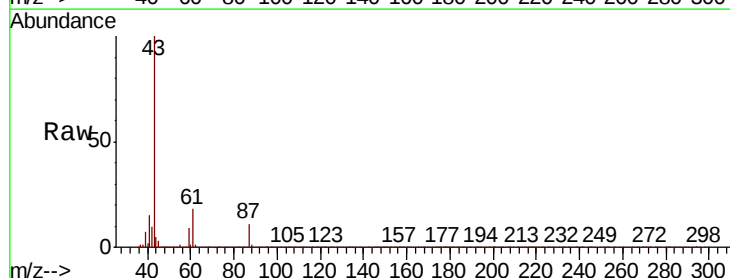
Tgt Ion: 43 Resp: 341183

Ion Ratio Lower Upper

43 100

61 18.4 14.8 22.2

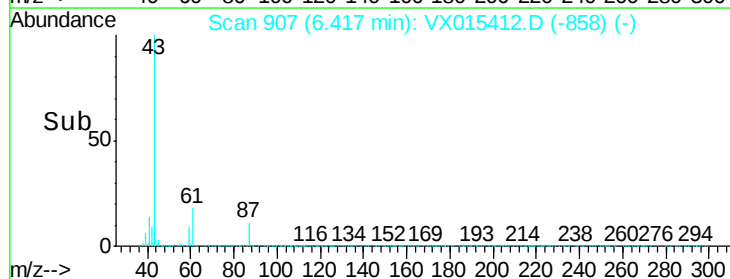
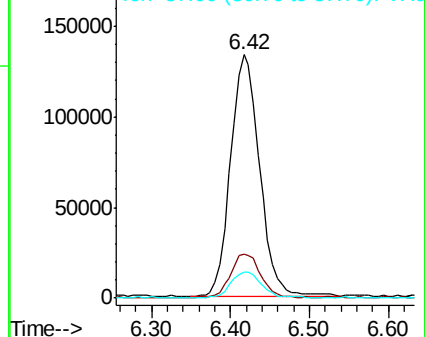
87 11.1 9.4 14.0

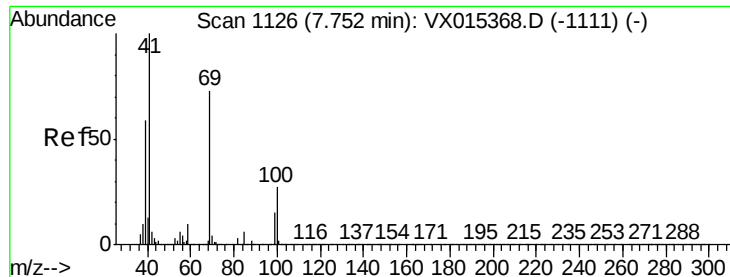


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

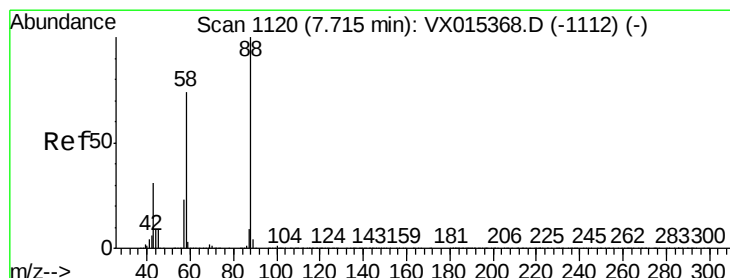
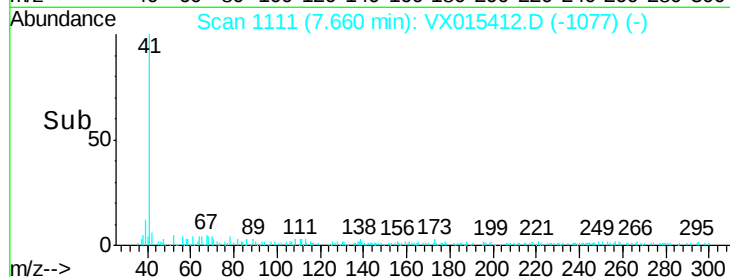
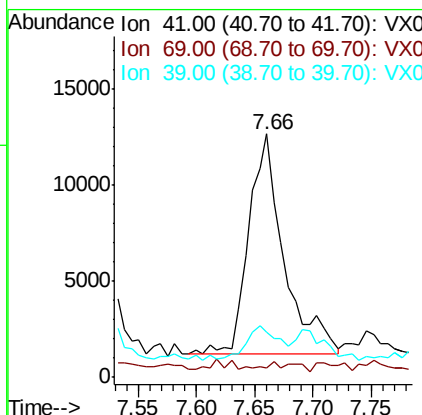
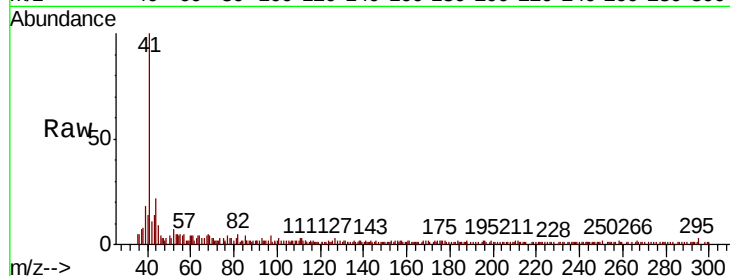




#48
Methvl methacrylate
Concen: 1.313 ug/l
RT: 7.66 min Scan# 1111
Delta R.T. -0.09 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

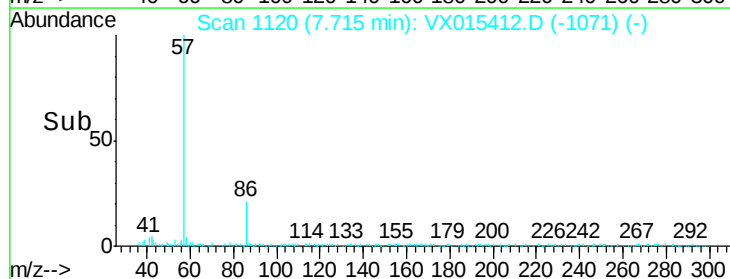
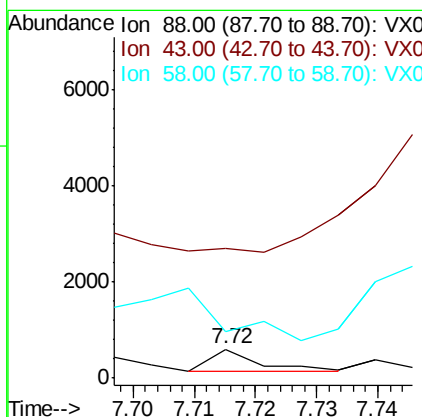
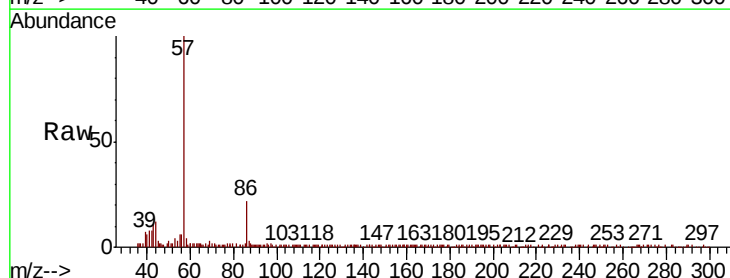
Instrument :
MSVOA_X
ClientSampleId :
WATER-RECLAMATION-TANKS

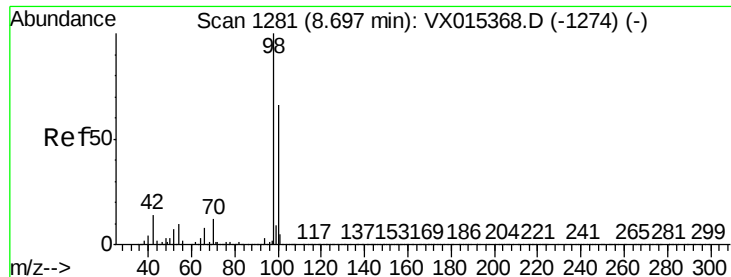
Tot Ion: 41 Resp: 24167
Ion Ratio Lower Upper
41 100
69 1.0 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 0.780 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

Tgt Ion: 88 Resp: 268
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 1464.2 60.6 90.8#





#50

Toluene-d8

Concen: 51.143 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

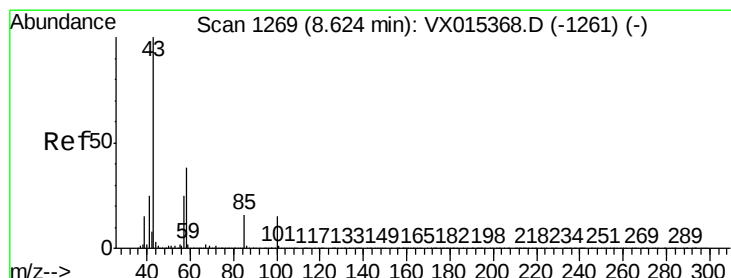
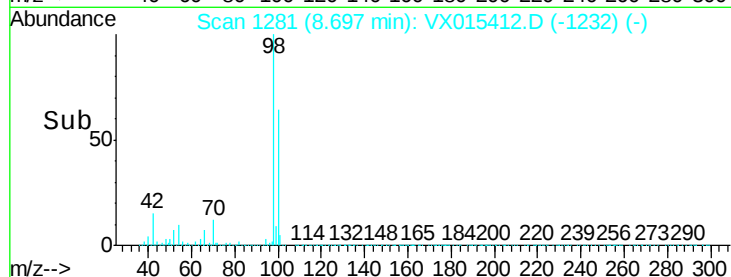
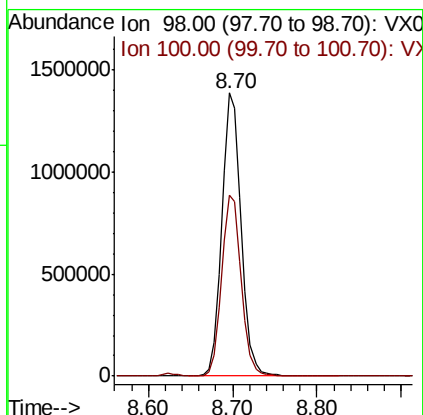
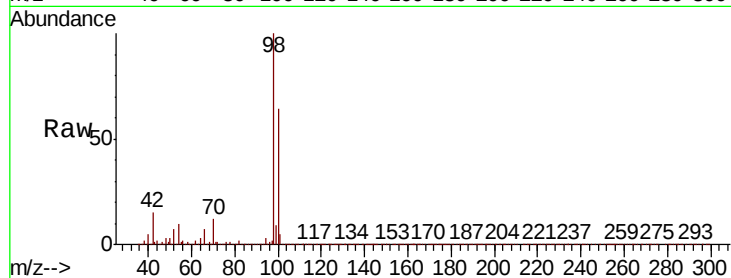
WATER-RECLAMATION-TANKS

Tot Ion: 98 Resp: 2190130

Ion Ratio Lower Upper

98 100

100 65.0 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 20.853 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015412.D

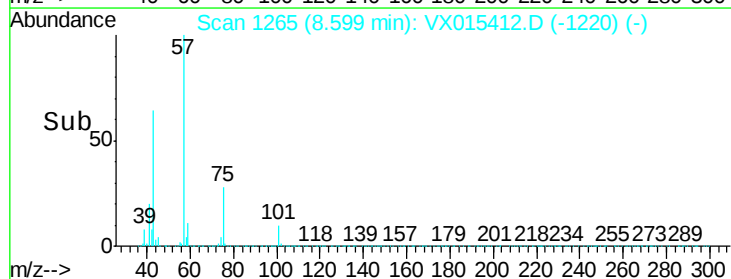
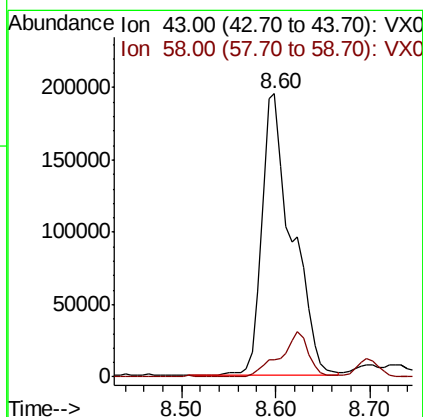
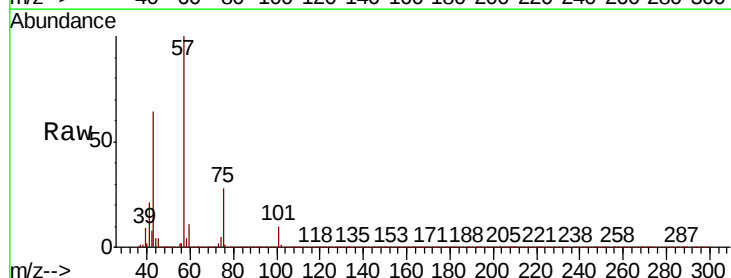
Acq: 28 Mar 2020 04:17

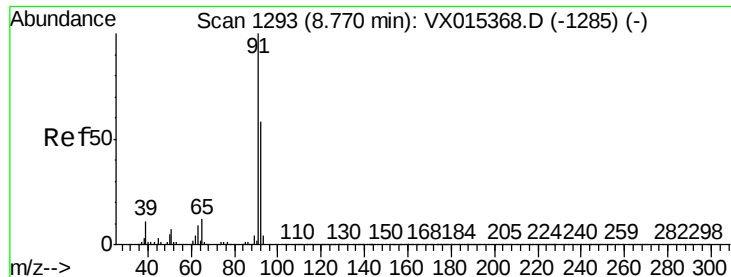
Tgt Ion: 43 Resp: 435491

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#





#52

Toluene

Concen: 0.214 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

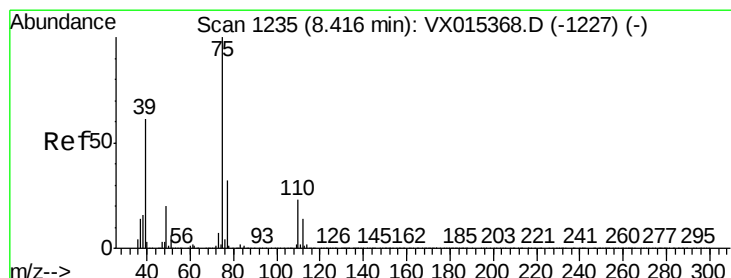
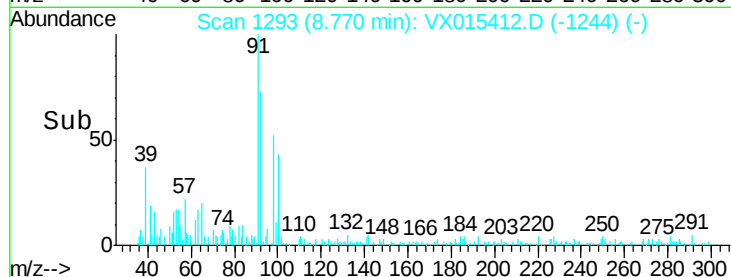
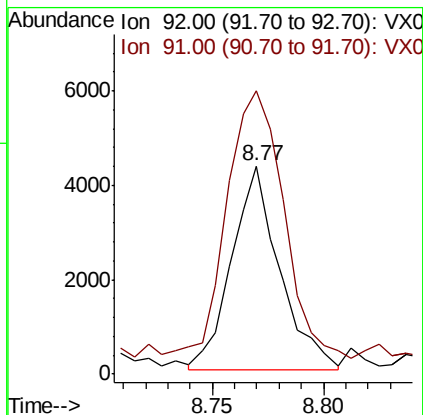
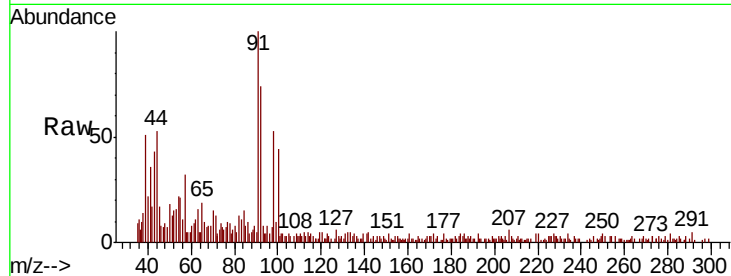
WATER-RECLAMATION-TANKS

Tot Ion: 92 Resp: 6468

Ion Ratio Lower Upper

92 100

91 155.3 136.6 205.0



#54

cis-1,3-Dichloropropene

Concen: 5.946 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

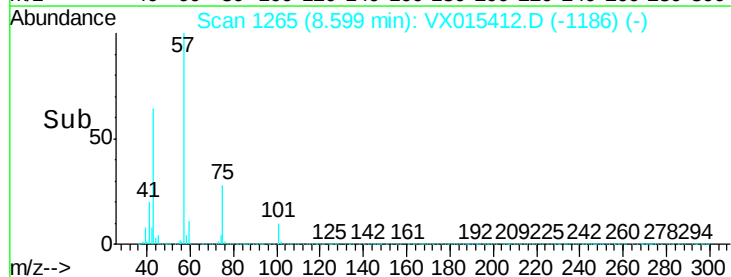
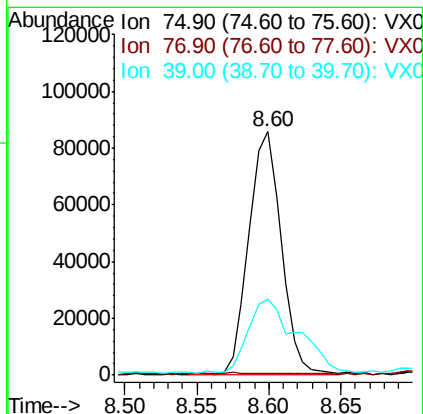
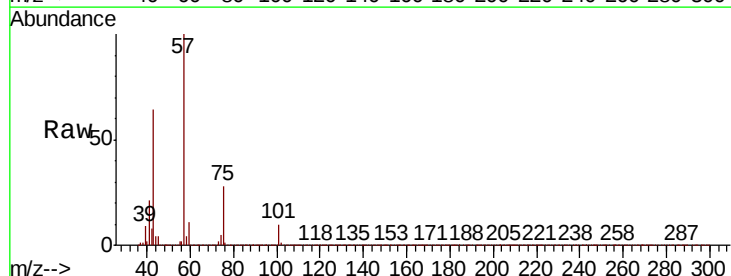
Tgt Ion: 75 Resp: 133386

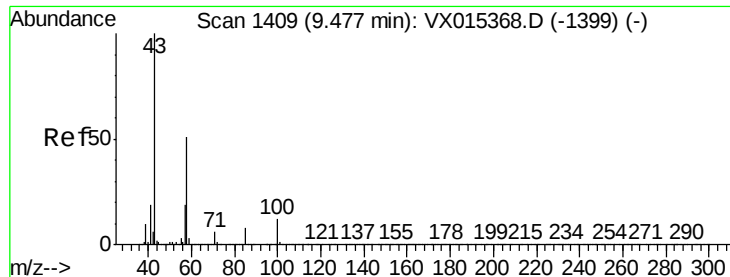
Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.6#

39 30.0 49.0 73.4#

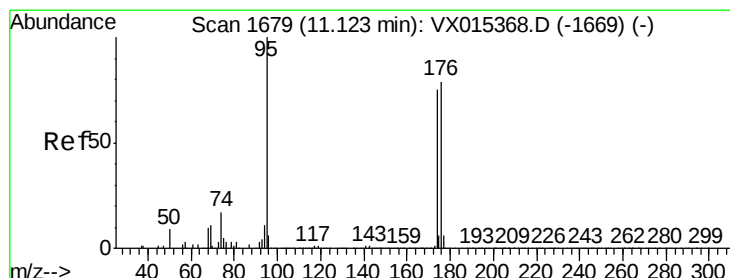
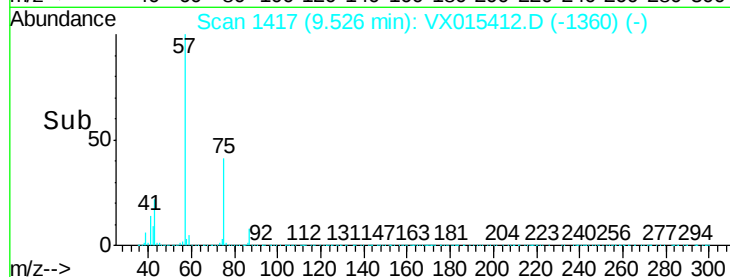
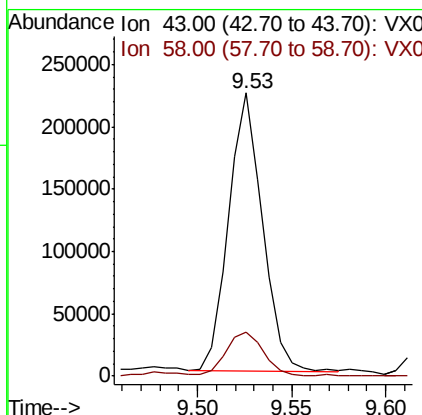
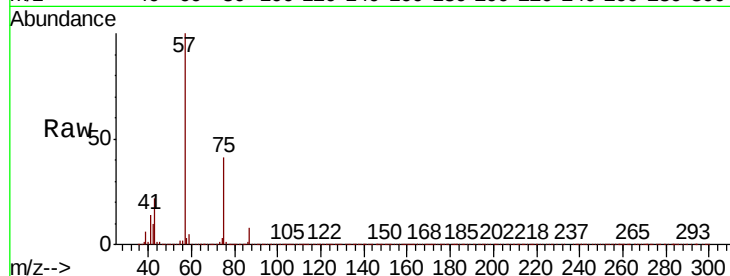




#59
2-Hexanone
Concen: 17.671 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

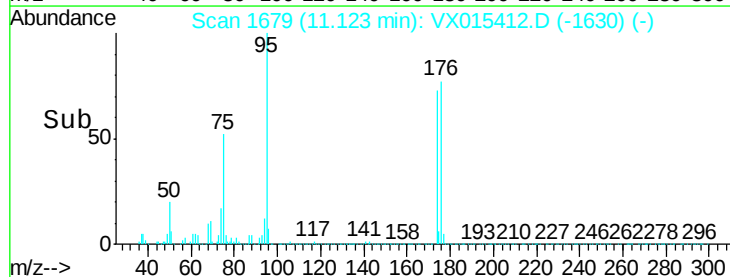
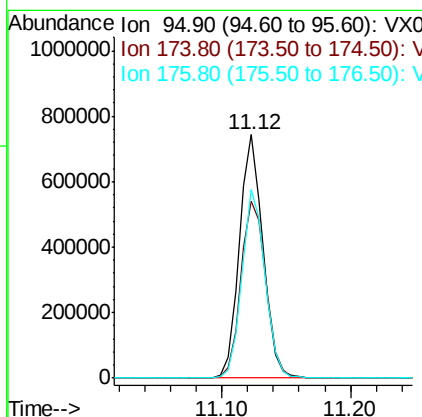
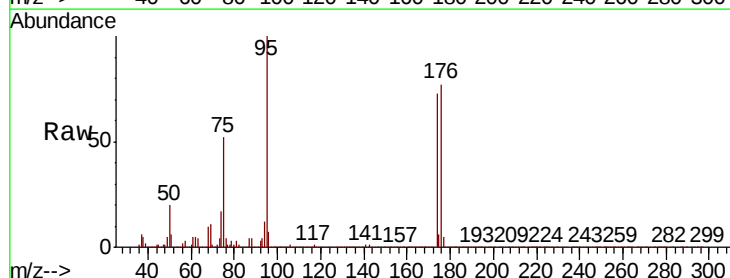
Instrument :
MSVOA_X
ClientSampleId :
WATER-RECLAMATION-TANKS

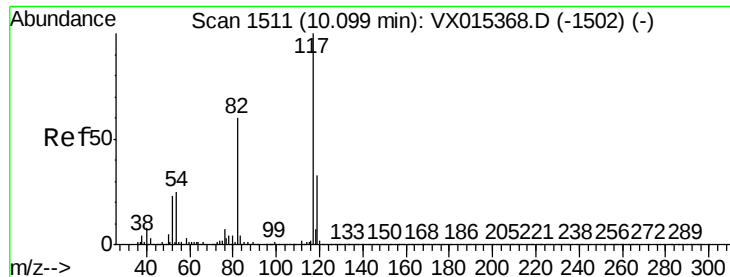
Tot Ion: 43 Resp: 278620
Ion Ratio Lower Upper
43 100
58 16.8 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 53.812 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

Tgt Ion: 95 Resp: 936514
Ion Ratio Lower Upper
95 100
174 76.7 0.0 158.6
176 76.1 0.0 159.0

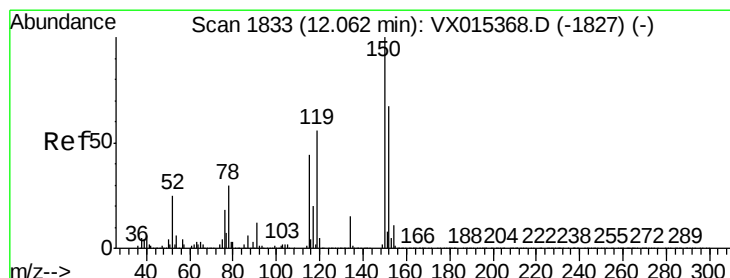
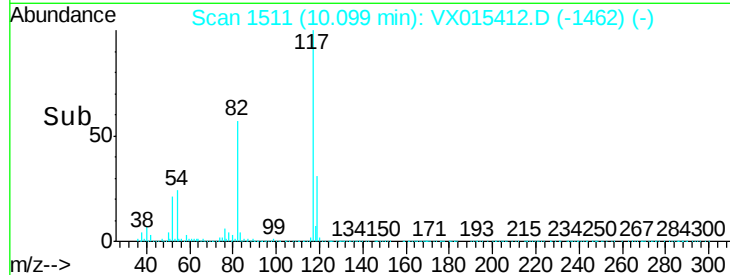
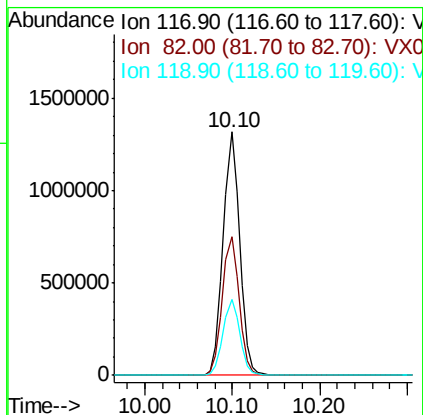
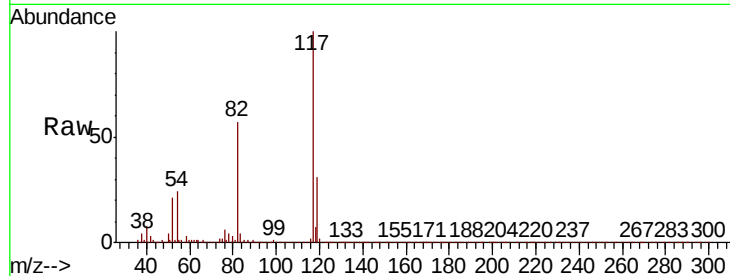




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

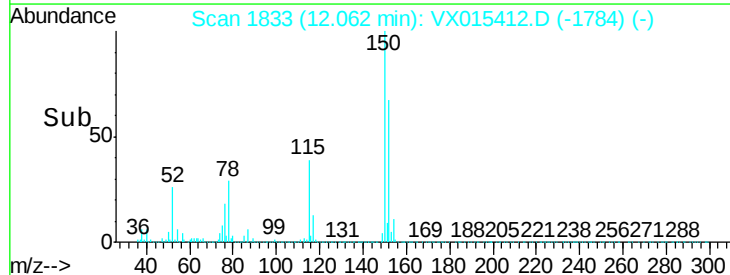
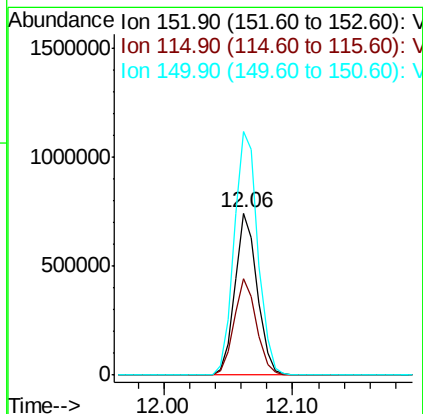
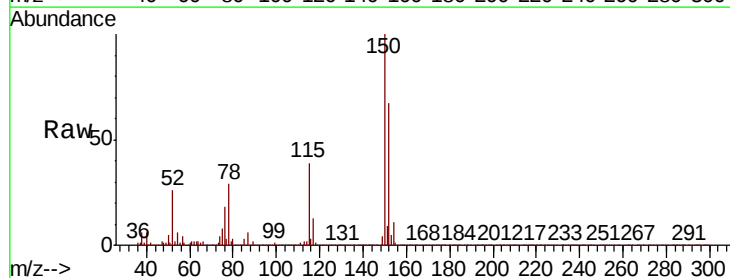
Instrument :
MSVOA_X
ClientSampleId :
WATER-RECLAMATION-TANKS

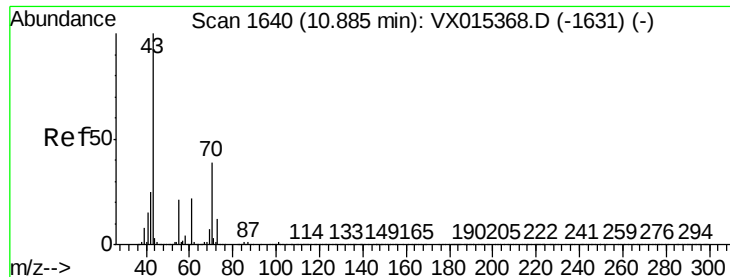
Tot Ion:117 Resp: 1727369
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.8
119 31.4 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015412.D
Acq: 28 Mar 2020 04:17

Tgt Ion:152 Resp: 897394
Ion Ratio Lower Upper
152 100
115 59.7 39.0 116.9
150 159.6 0.0 340.8





#74

N-amvl acetate

Concen: 0.744 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

WATER-RECLAMATION-TANKS

Tot Ion: 43 Resp: 24326

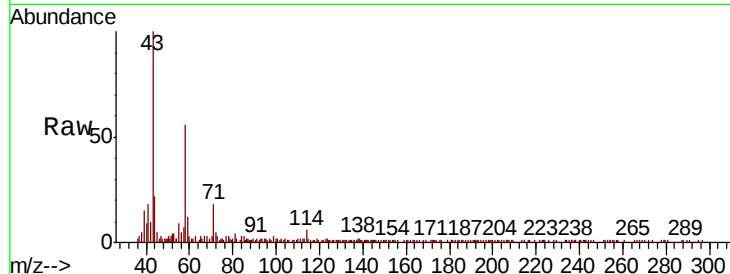
Ion Ratio Lower Upper

43 100

70 1.9 30.2 45.4#

55 6.7 16.8 25.2#

61 0.0 18.2 27.2#

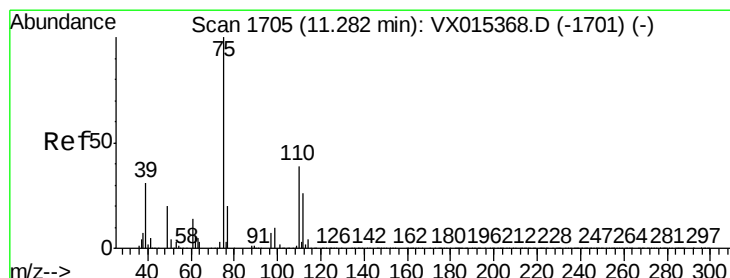
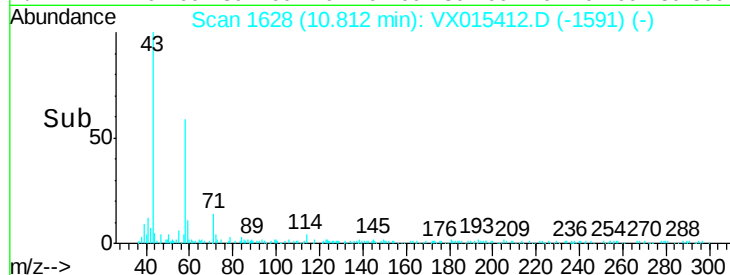
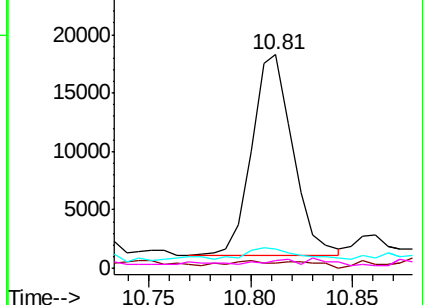


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 26.217 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015412.D

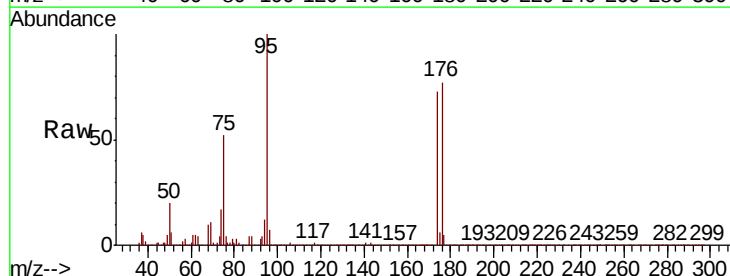
Acq: 28 Mar 2020 04:17

Tgt Ion: 75 Resp: 483813

Ion Ratio Lower Upper

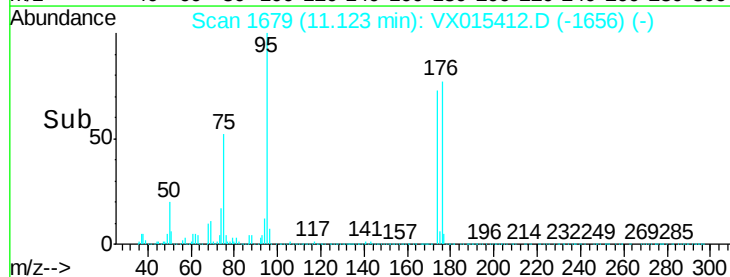
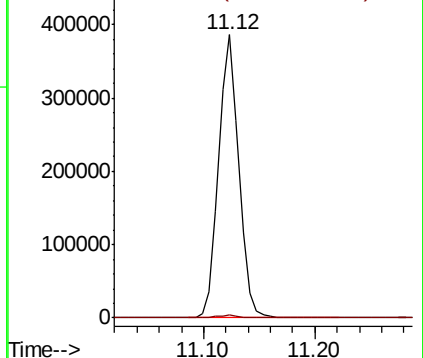
75 100

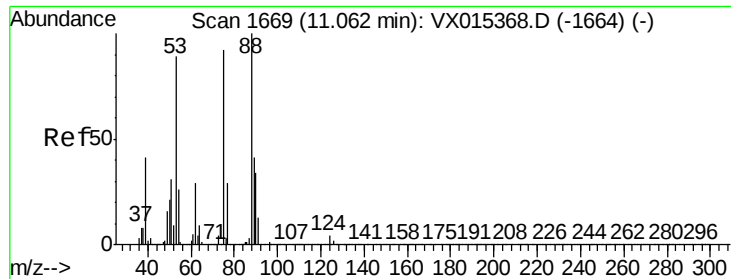
77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.906 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015412.D

Acq: 28 Mar 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

WATER-RECLAMATION-TANKS

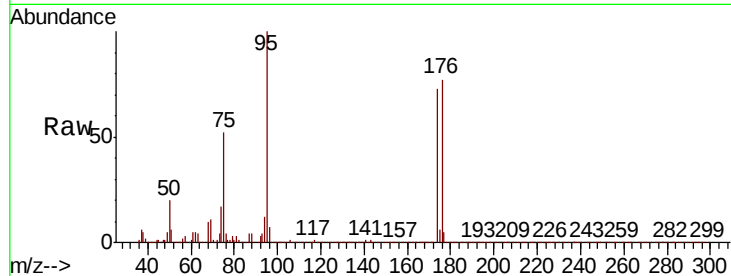
Tot Ion: 75 Resp: 483813

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

