

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082119\
 Data File : VX011730.D
 Acq On : 21 Aug 2019 14:20
 Operator : JC/SP
 Sample : K4453-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190820

Quant Time: Aug 22 03:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	402863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	572028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	508552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	241612	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	214489	57.41	ug/l	0.00
Spiked Amount			Recovery	=	114.82%	
35) Dibromofluoromethane	5.49	113	174239	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
50) Toluene-d8	8.71	98	664527	57.00	ug/l	0.00
Spiked Amount			Recovery	=	114.00%	
62) 4-Bromofluorobenzene	11.13	95	227548	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	

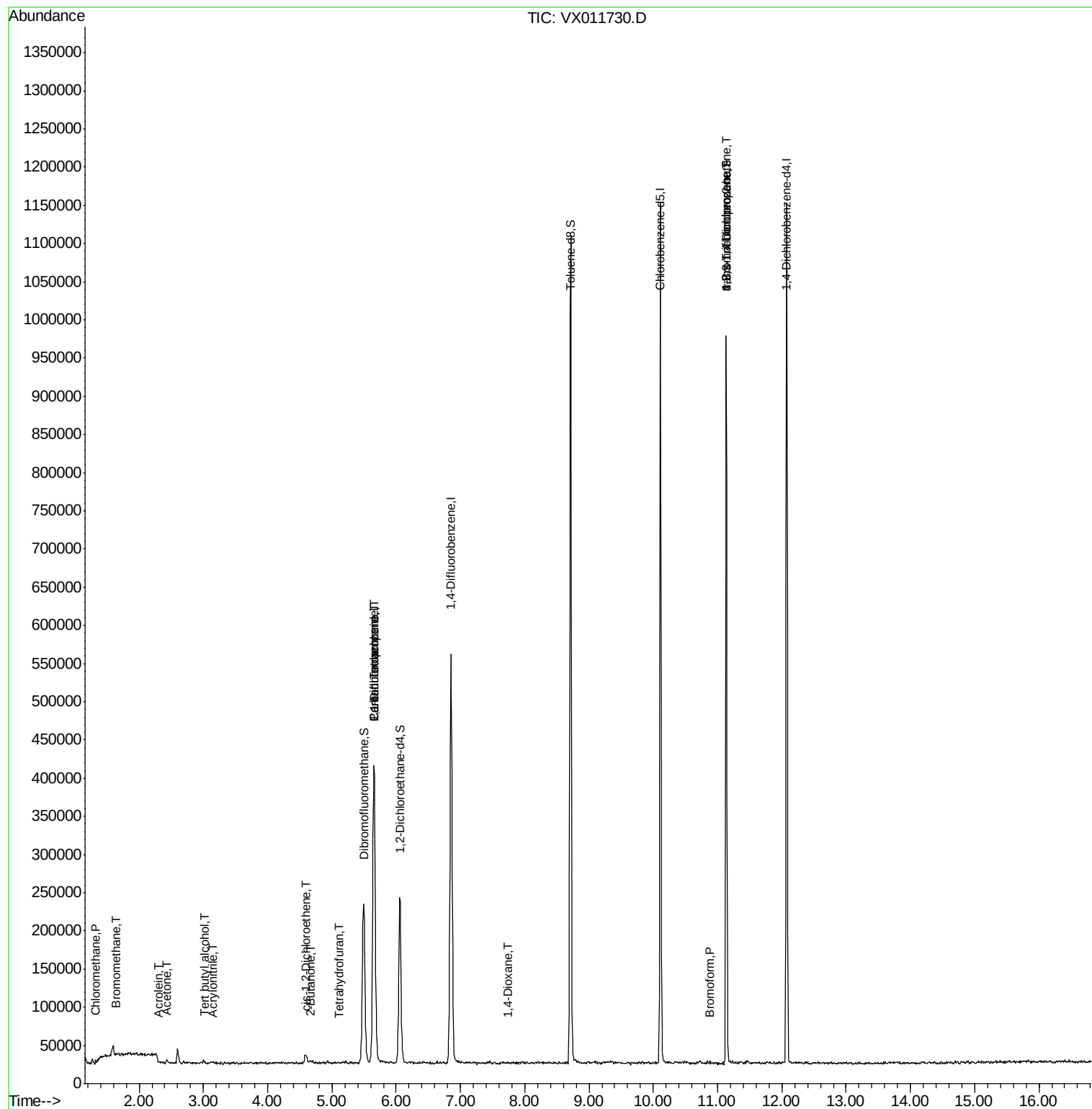
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1705	0.415	ug/l #	86
5) Bromomethane	1.63	94	392	0.235	ug/l #	62
11) Tert butyl alcohol	3.02	59	2355	2.569	ug/l #	78
13) Acrolein	2.30	56	213	12.902	ug/l #	15
15) Acrylonitrile	3.16	53	760	0.362	ug/l #	9
16) Acetone	2.43	43	4553	2.424	ug/l	91
25) 2-Butanone	4.66	43	988	0.335	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	7716	1.818	ug/l	91
29) Tetrahydrofuran	5.11	42	569	0.294	ug/l #	59
36) 1,1-Dichloropropene	5.65	75	25413	5.196	ug/l #	51
38) Carbon Tetrachloride	5.66	117	36787	6.827	ug/l #	16
49) 1,4-Dioxane	7.73	88	418	3.615	ug/l #	11
71) Bromoform	10.87	173	139	3.325	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	113374	24.746	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	113374	65.507	ug/l #	11

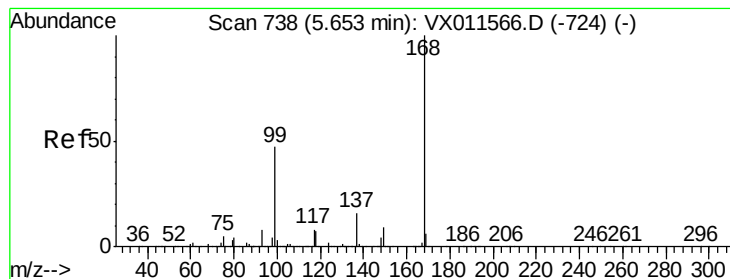
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

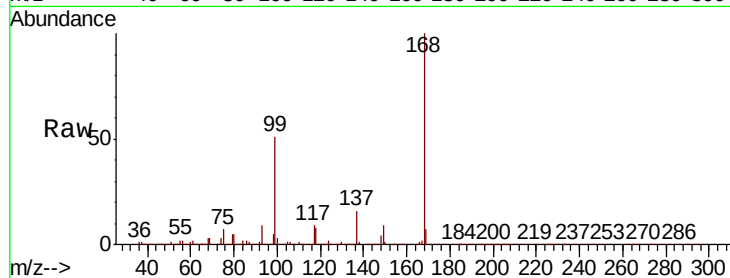
OUTFALL001-190820

Tgt Ion:168 Resp: 402863

Ion Ratio Lower Upper

168 100

99 51.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

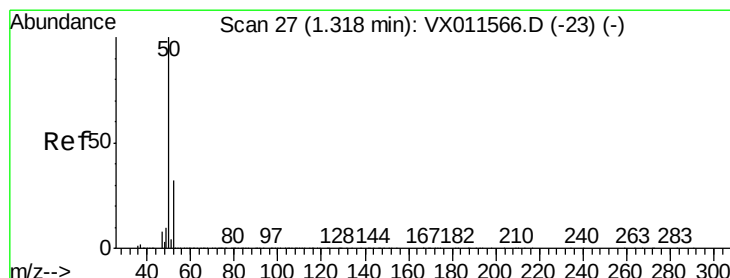
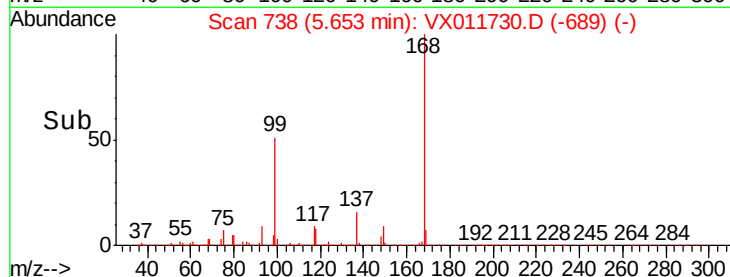
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.415 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011730.D

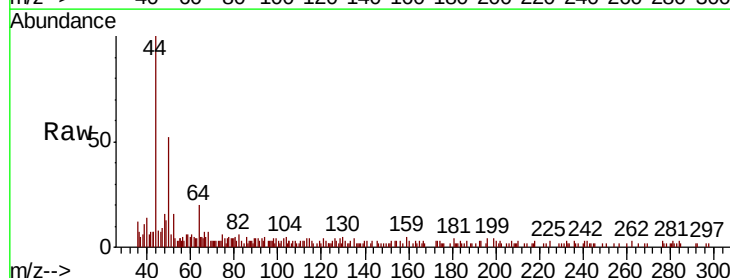
Acq: 21 Aug 2019 14:20

Tgt Ion: 50 Resp: 1705

Ion Ratio Lower Upper

50 100

52 24.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

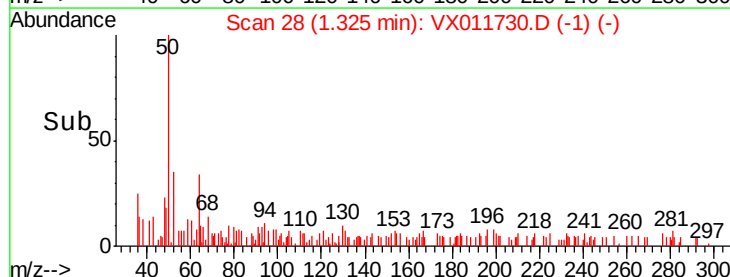
1000

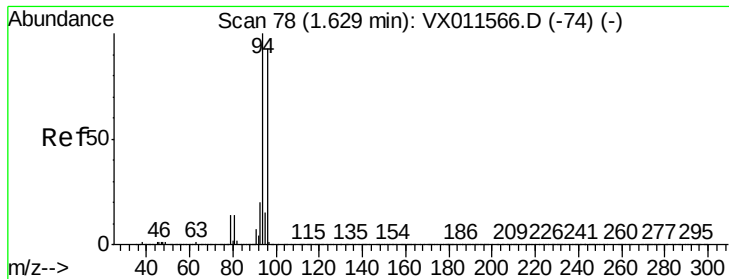
500

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

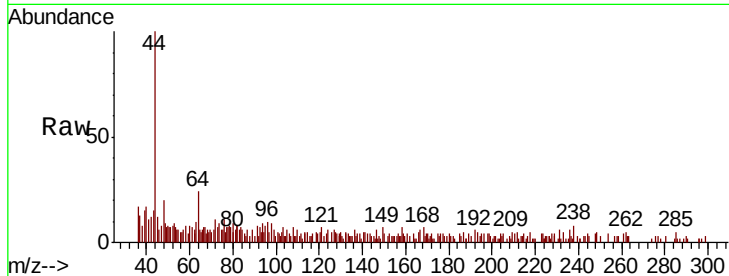
OUTFALL001-190820

Tgt Ion: 94 Resp: 392

Ion Ratio Lower Upper

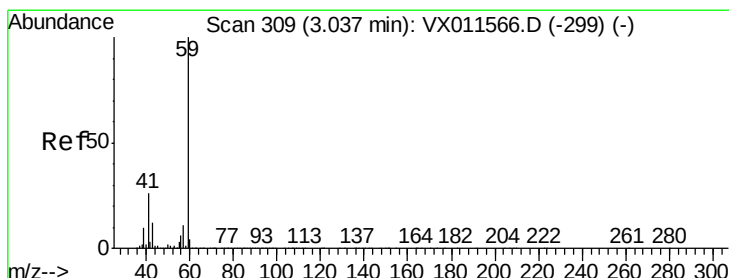
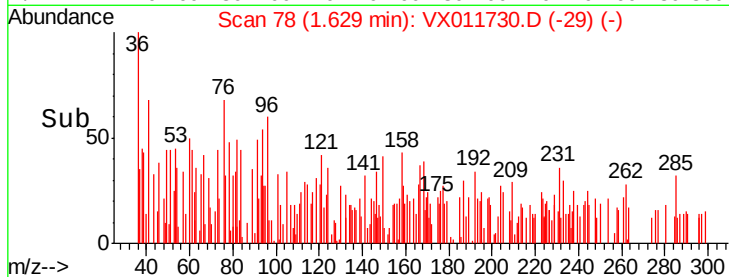
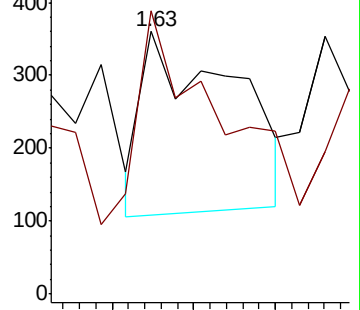
94 100

96 130.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 2.569 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.02 min

Lab File: VX011730.D

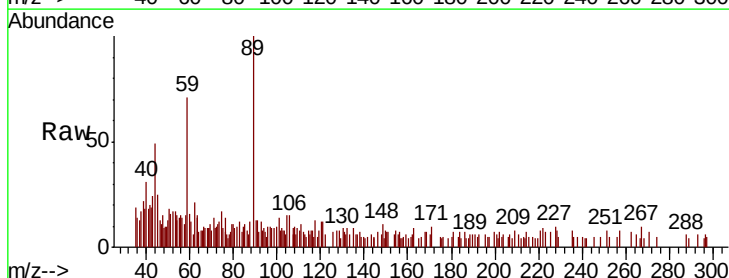
Acq: 21 Aug 2019 14:20

Tgt Ion: 59 Resp: 2355

Ion Ratio Lower Upper

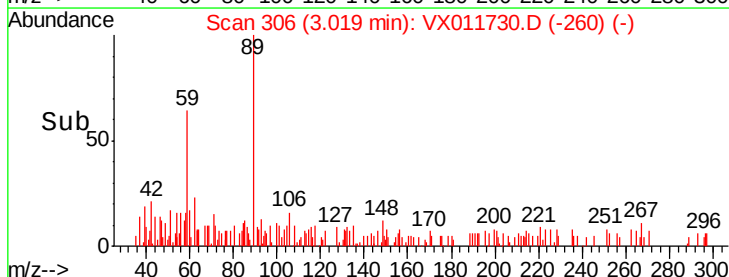
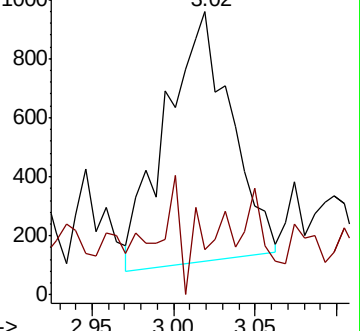
59 100

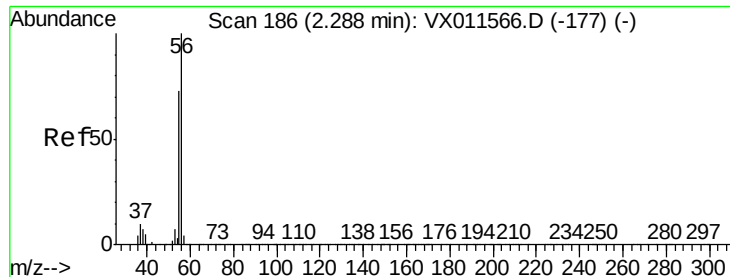
57 2.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 12.902 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

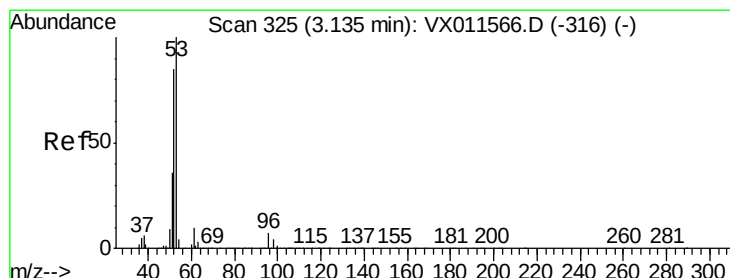
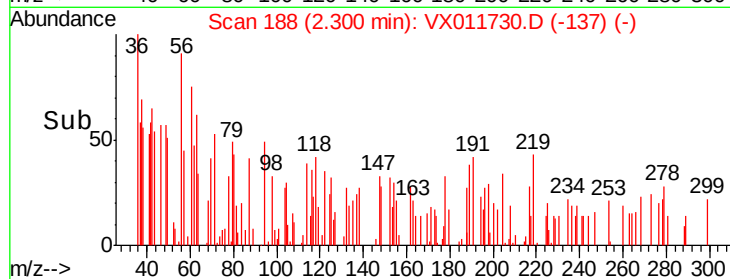
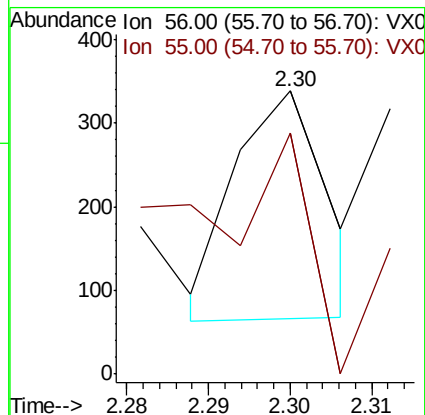
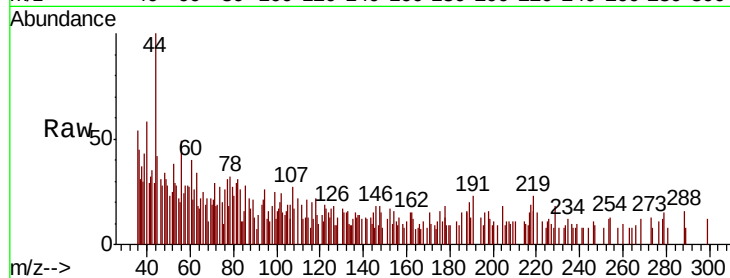
OUTFALL001-190820

Tgt Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



#15

Acrylonitrile

Concen: 0.362 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

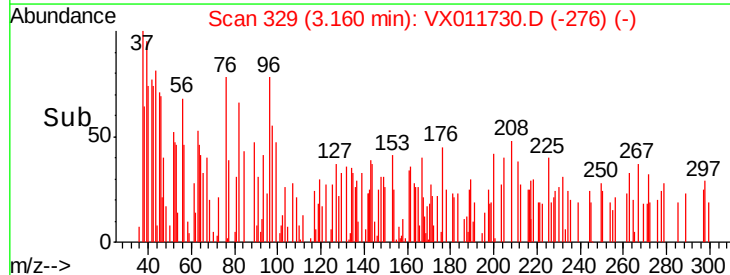
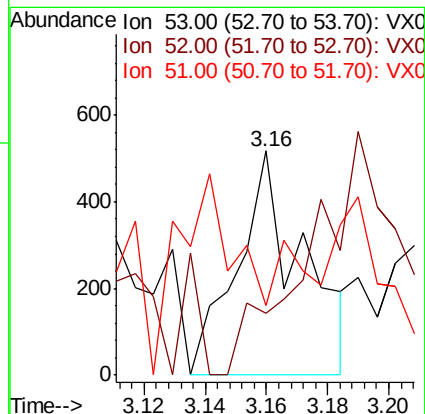
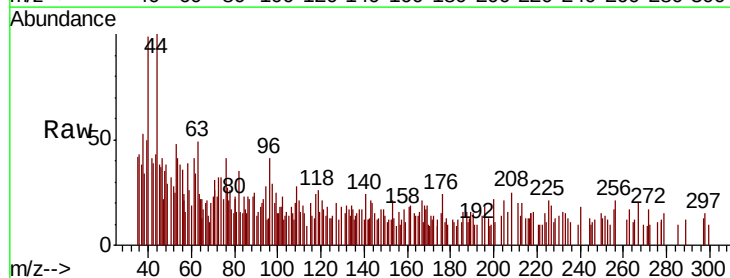
Tgt Ion: 53 Resp: 760

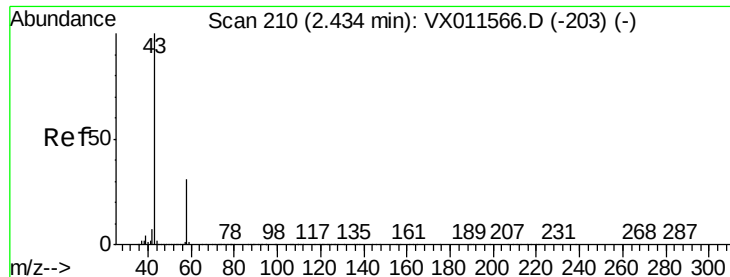
Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 87.4 28.7 43.1#





#16

Acetone

Concen: 2.424 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

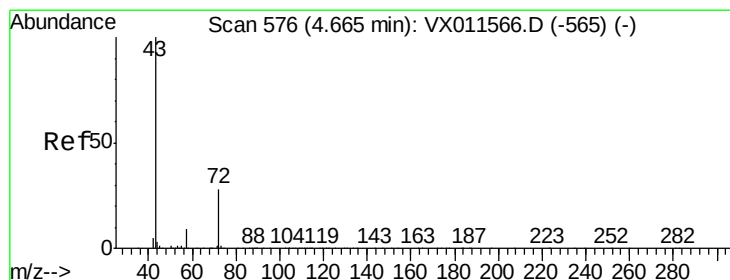
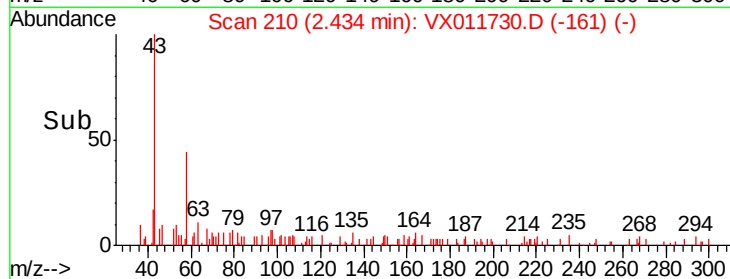
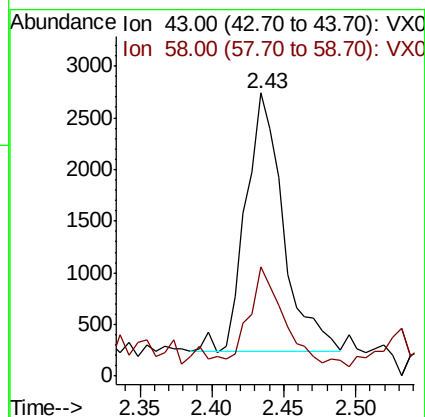
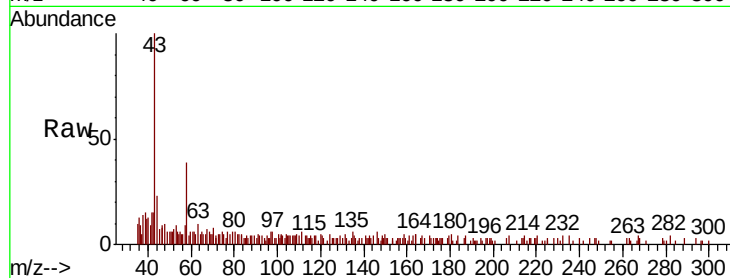
OUTFALL001-190820

Tgt Ion: 43 Resp: 4553

Ion Ratio Lower Upper

43 100

58 36.3 25.2 37.8



#25

2-Butanone

Concen: 0.335 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011730.D

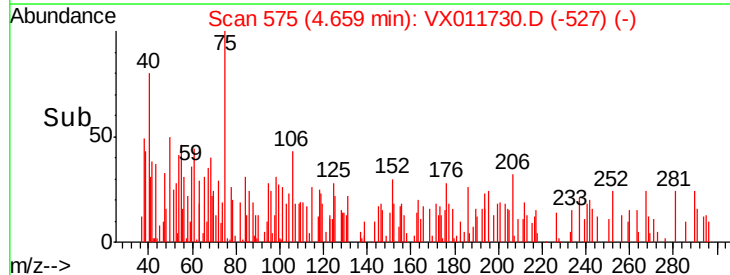
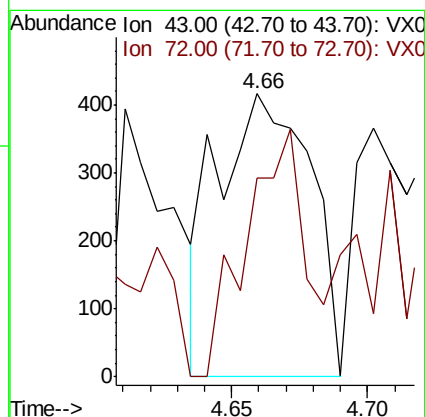
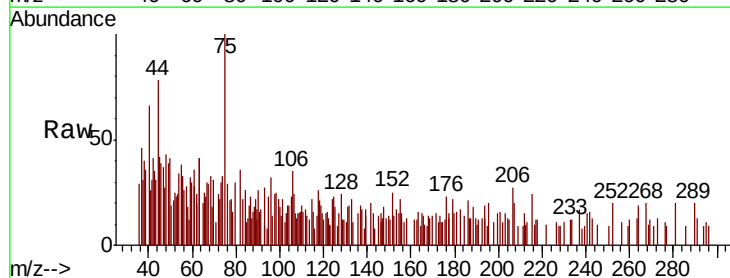
Acq: 21 Aug 2019 14:20

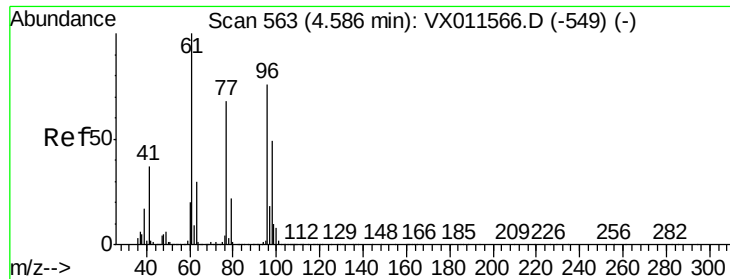
Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

43 100

72 26.9 22.2 33.4



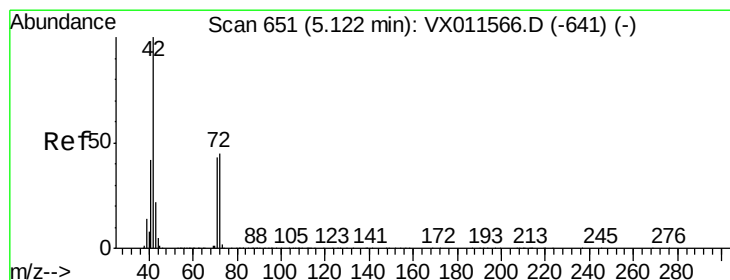
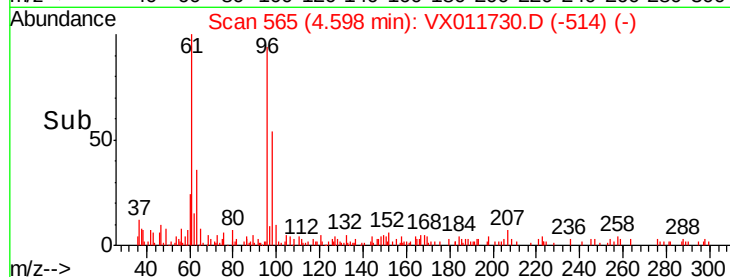
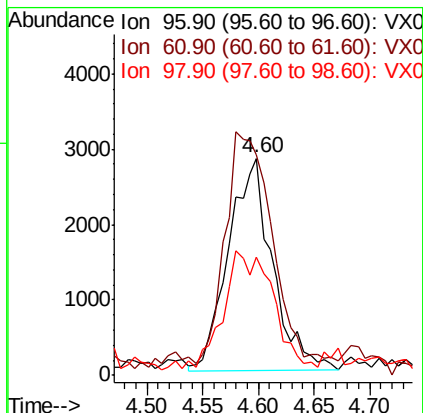
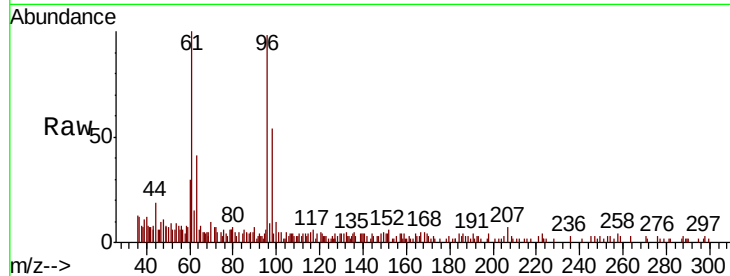


#27

cis-1,2-Dichloroethene
Concen: 1.818 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX011730.D
Acq: 21 Aug 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190820

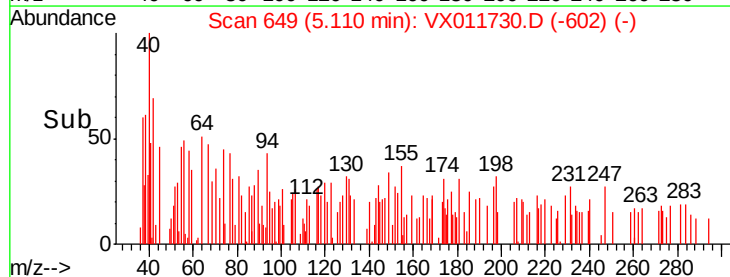
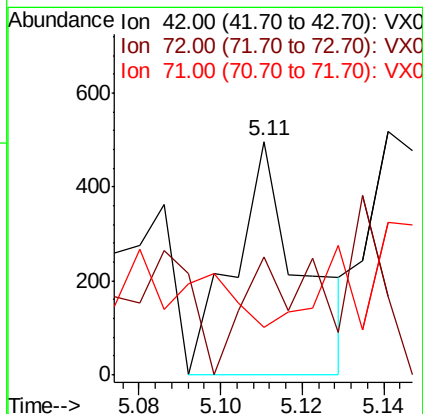
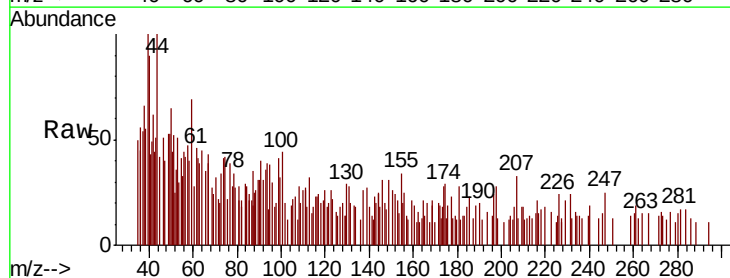
Tgt Ion: 96 Resp: 7716
Ion Ratio Lower Upper
96 100
61 124.1 0.0 272.6
98 60.8 0.0 129.4

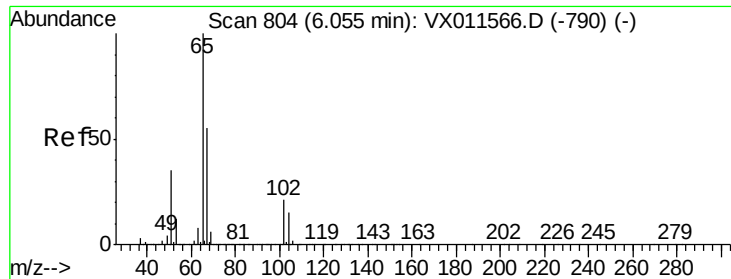


#29

Tetrahydrofuran
Concen: 0.294 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.01 min
Lab File: VX011730.D
Acq: 21 Aug 2019 14:20

Tgt Ion: 42 Resp: 569
Ion Ratio Lower Upper
42 100
72 33.7 36.1 54.1#
71 0.0 33.8 50.8#

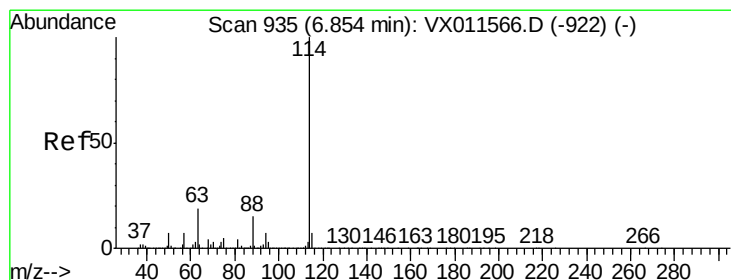
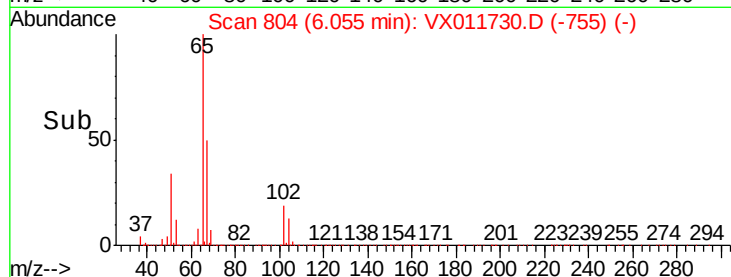
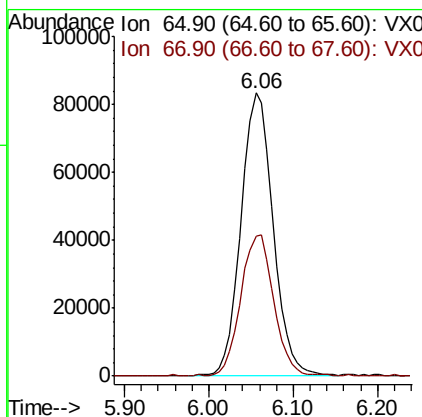
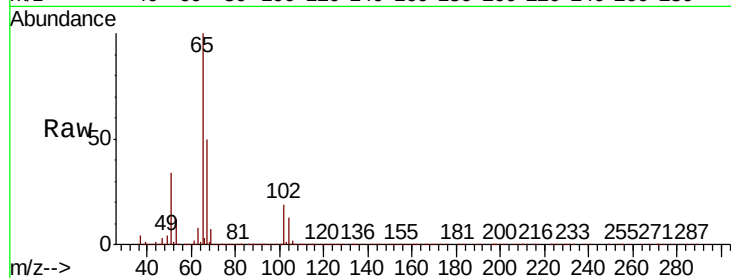




#33
 1,2-Dichloroethane-d4
 Concen: 57.411 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011730.D
 Acq: 21 Aug 2019 14:20

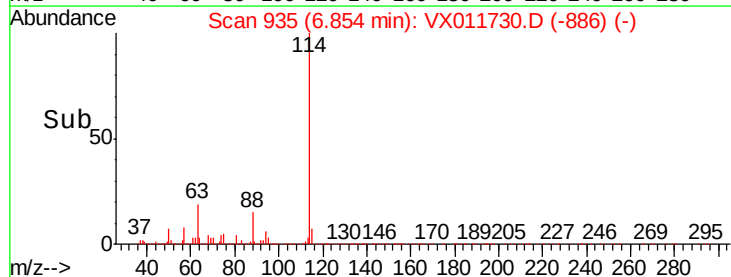
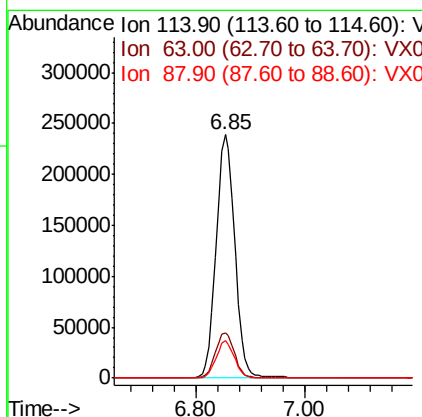
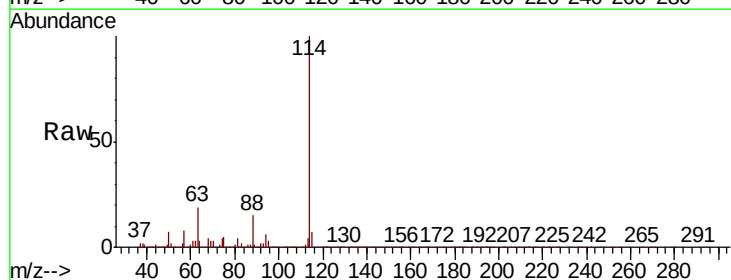
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190820

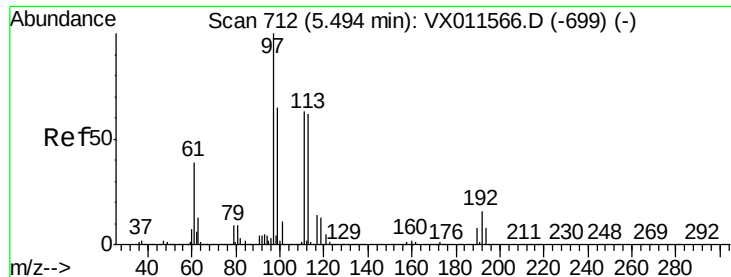
Tgt Ion: 65 Resp: 214489
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011730.D
 Acq: 21 Aug 2019 14:20

Tgt Ion: 114 Resp: 572028
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.570 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190820

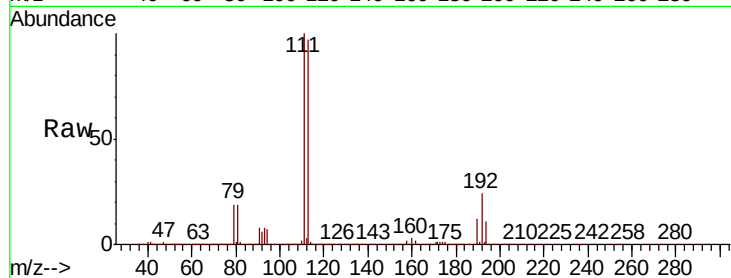
Tgt Ion:113 Resp: 174239

Ion Ratio Lower Upper

113 100

111 104.2 81.1 121.7

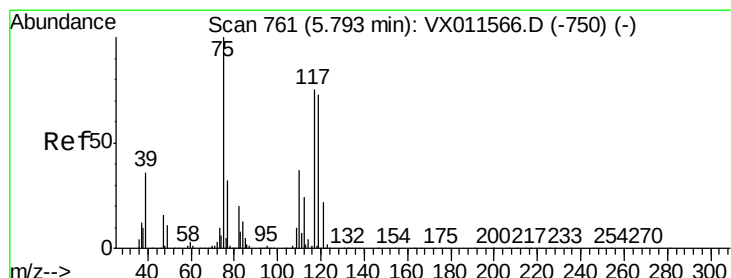
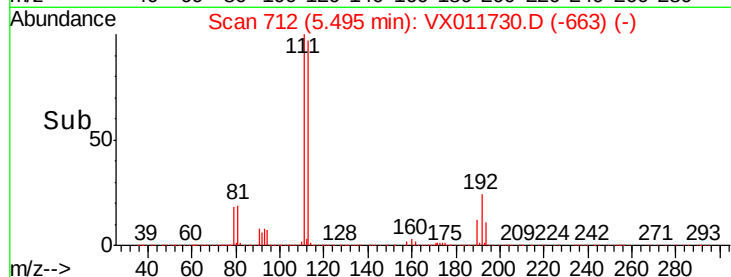
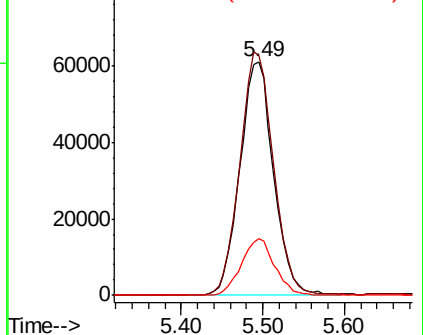
192 24.1 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.196 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

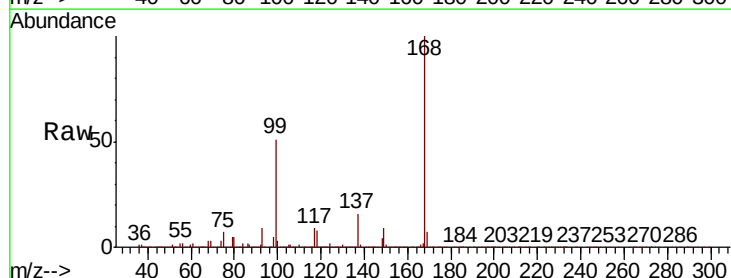
Tgt Ion: 75 Resp: 25413

Ion Ratio Lower Upper

75 100

110 11.6 19.4 58.1#

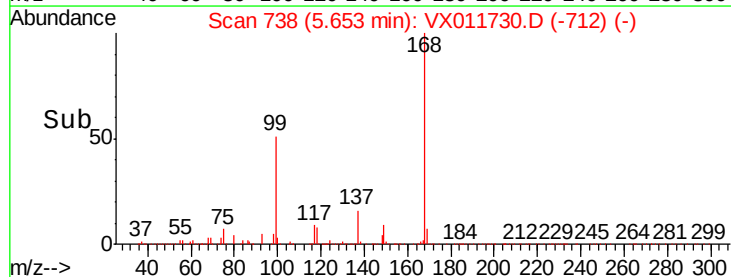
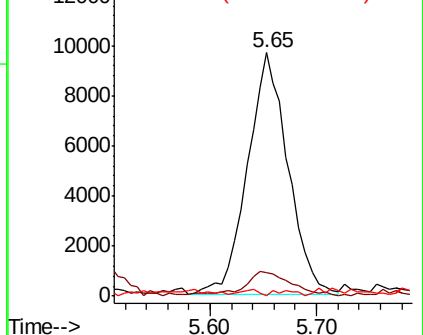
77 1.4 25.1 37.7#

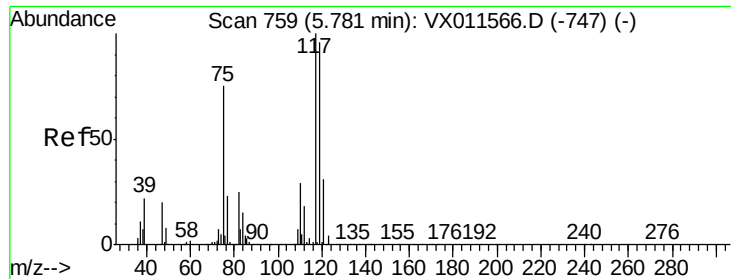


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

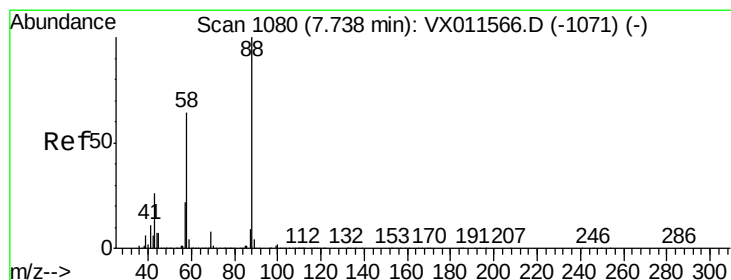
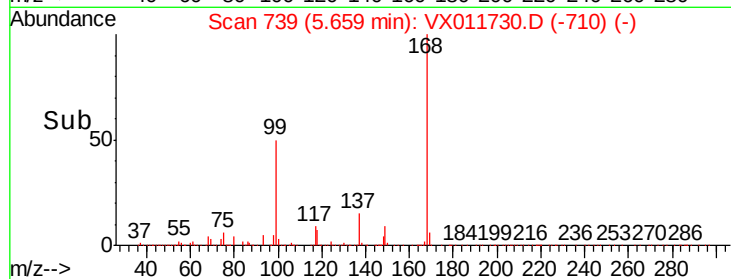
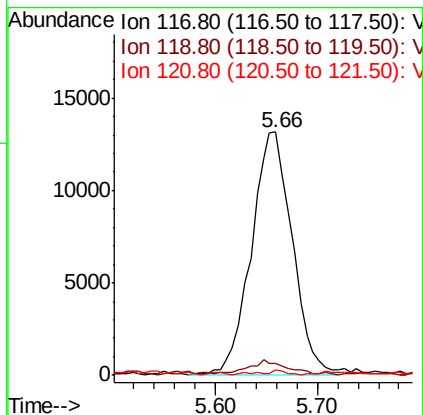
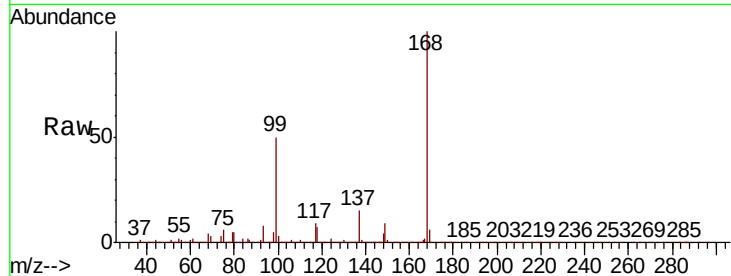




#38
Carbon Tetrachloride
Concen: 6.827 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX011730.D
Acq: 21 Aug 2019 14:20

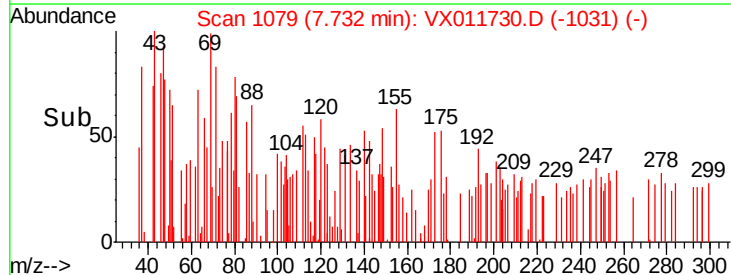
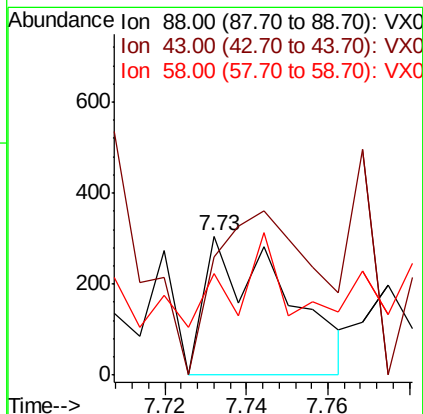
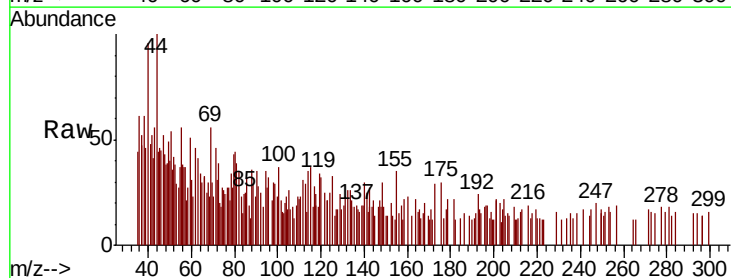
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190820

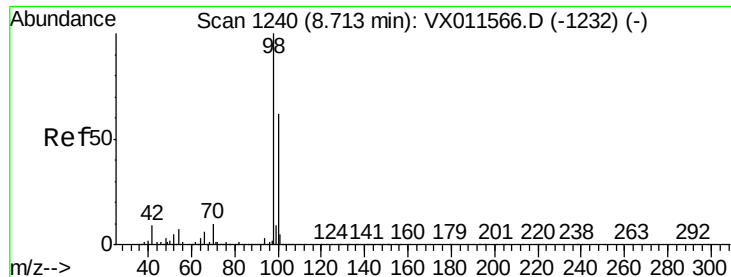
Tgt Ion:117 Resp: 36787
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 1.2 24.8 37.2#



#49
1,4-Dioxane
Concen: 3.615 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011730.D
Acq: 21 Aug 2019 14:20

Tgt Ion: 88 Resp: 418
Ion Ratio Lower Upper
88 100
43 146.2 23.4 35.0#
58 40.7 54.3 81.5#





#50

Toluene-d8

Concen: 57.003 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

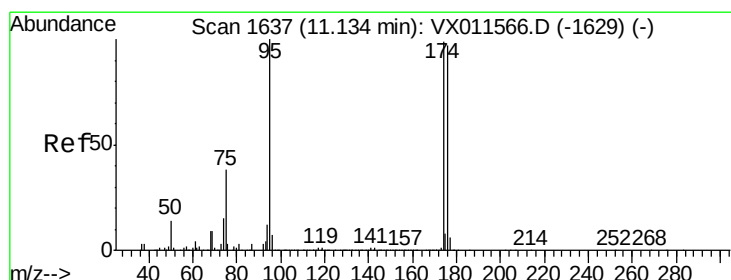
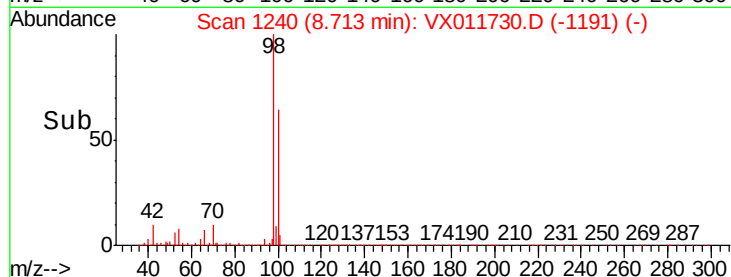
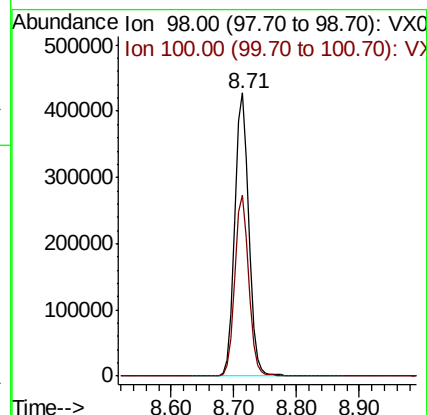
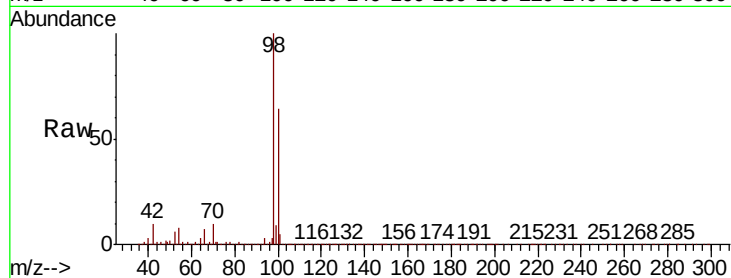
OUTFALL001-190820

Tgt Ion: 98 Resp: 664527

Ion Ratio Lower Upper

98 100

100 63.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.244 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

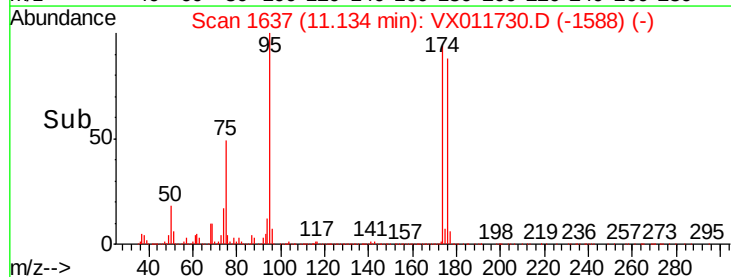
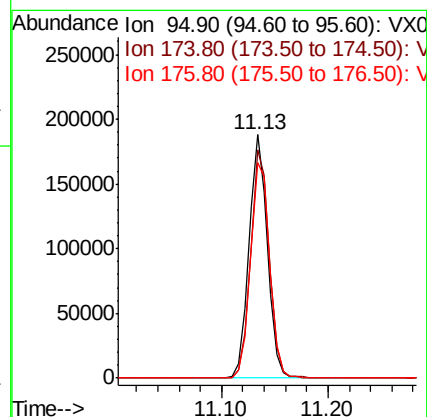
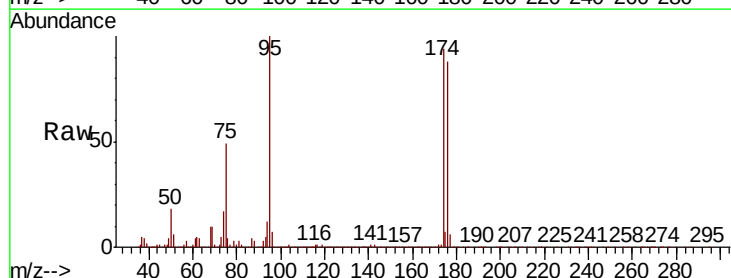
Tgt Ion: 95 Resp: 227548

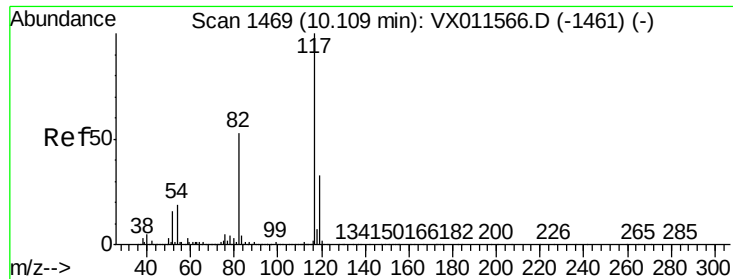
Ion Ratio Lower Upper

95 100

174 95.1 0.0 200.6

176 92.7 0.0 196.6

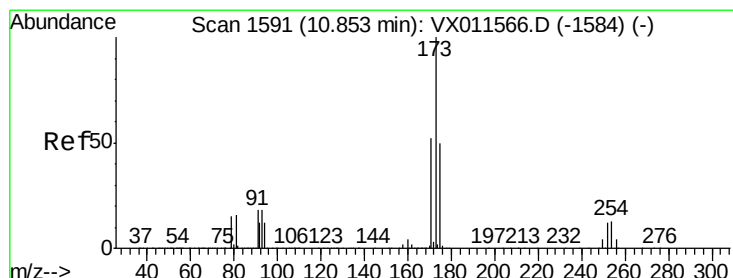
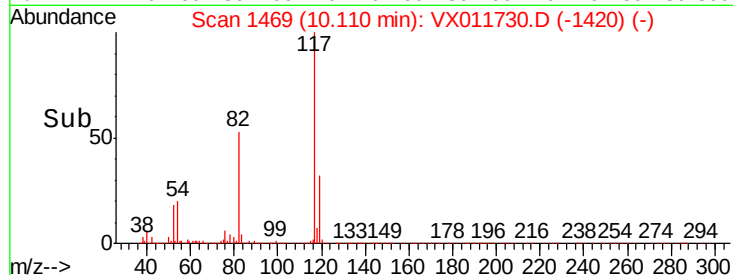
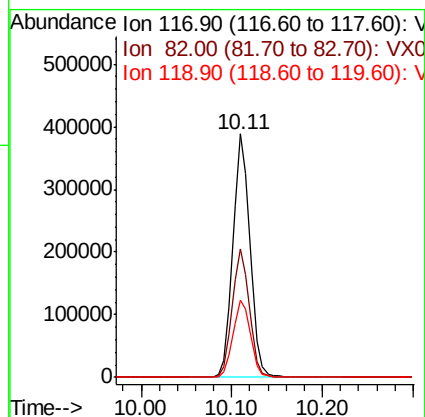
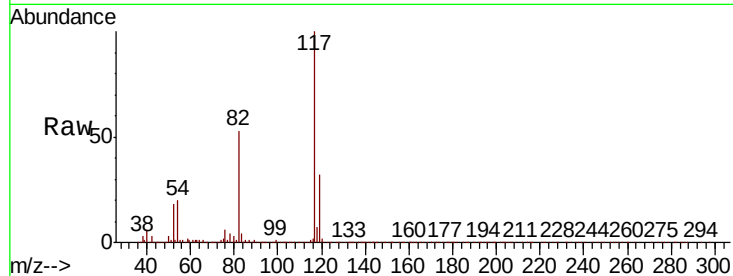




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011730.D
Acq: 21 Aug 2019 14:20

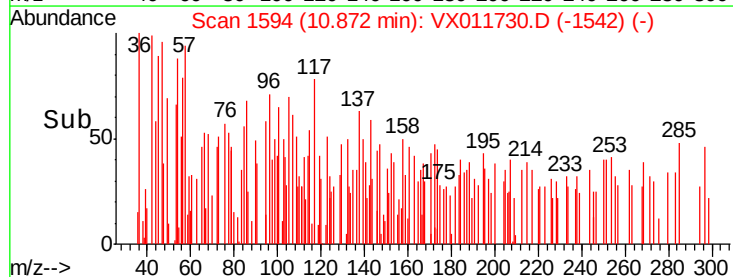
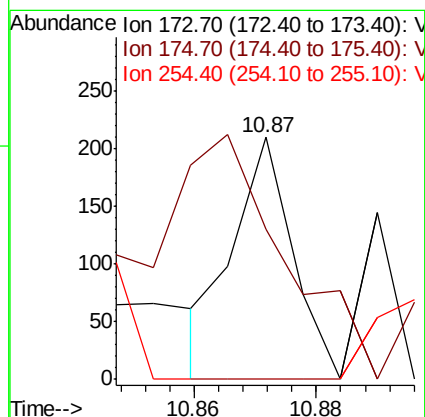
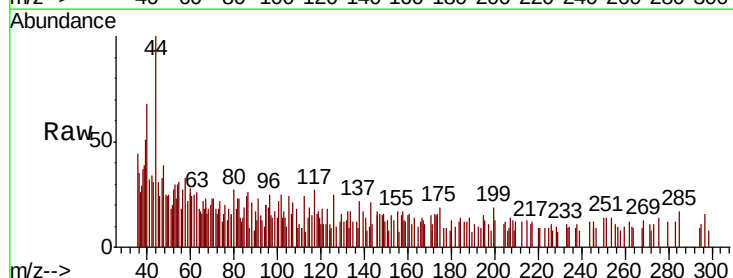
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190820

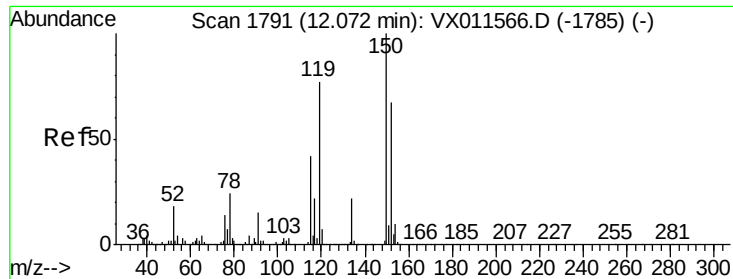
Tgt Ion:117 Resp: 508552
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 31.8 26.5 39.7



#71
Bromoform
Concen: 3.325 ug/l
RT: 10.87 min Scan# 1594
Delta R.T. 0.02 min
Lab File: VX011730.D
Acq: 21 Aug 2019 14:20

Tgt Ion:173 Resp: 139
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190820

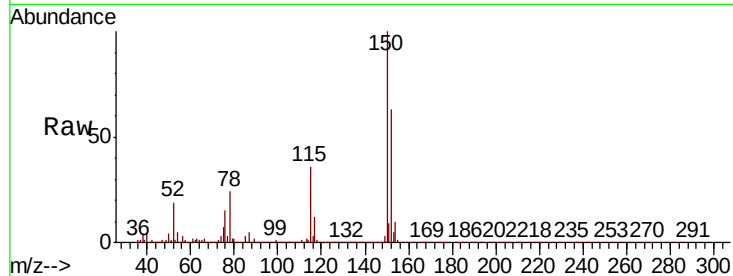
Tgt Ion: 152 Resp: 241612

Ion Ratio Lower Upper

152 100

115 55.7 37.3 111.9

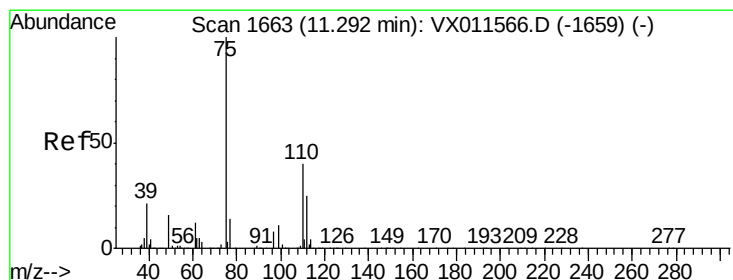
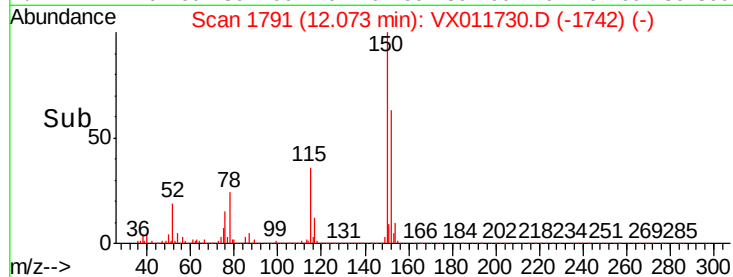
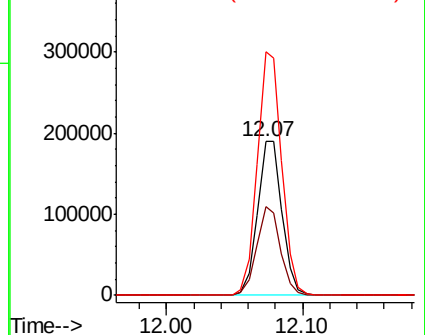
150 157.5 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.746 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011730.D

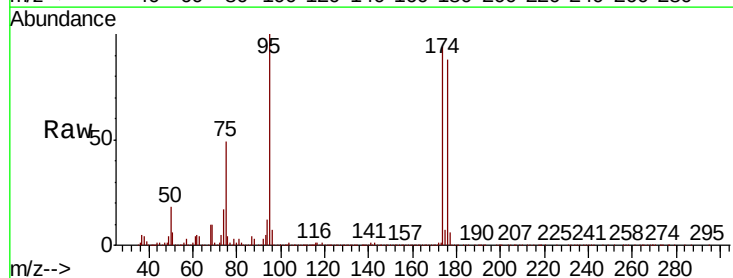
Acq: 21 Aug 2019 14:20

Tgt Ion: 75 Resp: 113374

Ion Ratio Lower Upper

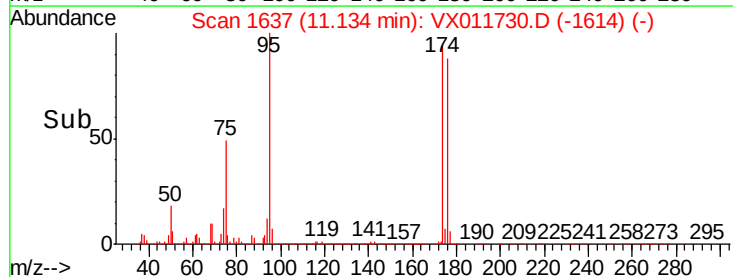
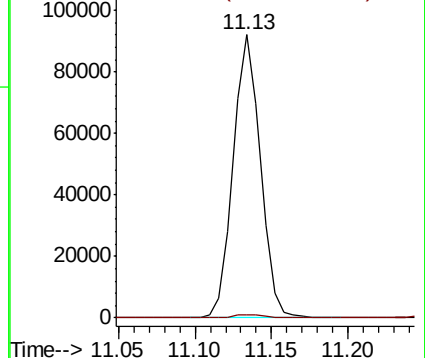
75 100

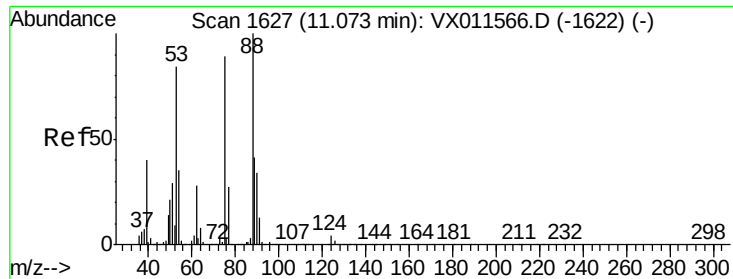
77 1.4 20.9 62.8#



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: 65.507 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011730.D

Acq: 21 Aug 2019 14:20

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190820

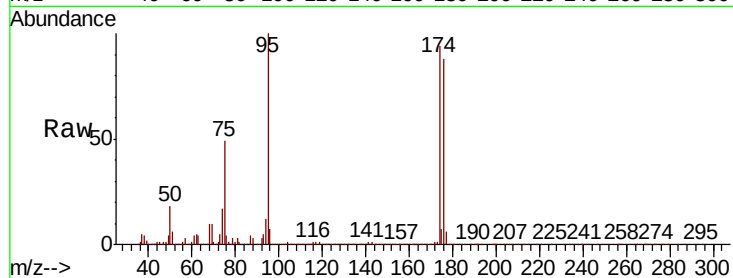
Tgt Ion: 75 Resp: 113374

Ion Ratio Lower Upper

75 100

53 0.5 77.4 116.0#

89 0.0 37.3 55.9#



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

