

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006278.D
 Acq On : 04 Dec 2018 15:08
 Operator : JC/MD
 Sample : J6207-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL

Quant Time: Dec 05 00:30:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	868520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1326891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1187543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	578765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	435496	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	5.50	113	418458	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	8.71	98	1523563	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.14	95	564549	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

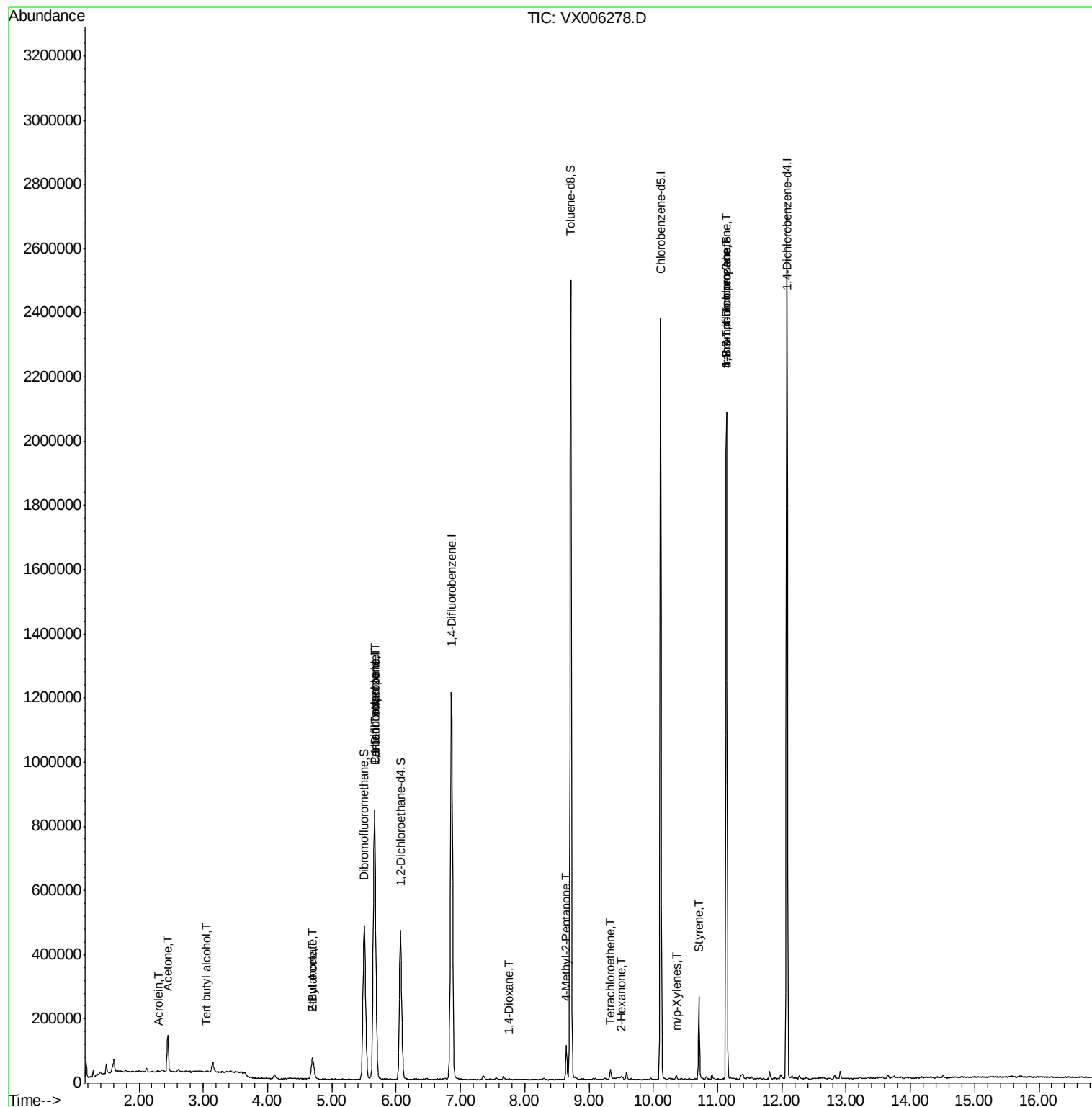
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	3553	1.465	ug/l	96
13) Acrolein	2.30	56	3124	2.357	ug/l #	78
16) Acetone	2.45	43	125326	30.120	ug/l	98
25) 2-Butanone	4.70	43	128059	21.570	ug/l	95
36) 1,1-Dichloropropene	5.67	75	54383	4.867	ug/l #	48
37) Ethyl Acetate	4.70	43	128059	10.234	ug/l #	68
38) Carbon Tetrachloride	5.67	117	79142	6.021	ug/l #	15
49) 1,4-Dioxane	7.74	88	119	0.476	ug/l #	27
51) 4-Methyl-2-Pentanone	8.65	43	60097	4.948	ug/l	99
59) 2-Hexanone	9.50	43	2093	0.226	ug/l	72
64) Tetrachloroethene	9.34	164	3351	0.375	ug/l	92
68) m/p-Xylenes	10.35	106	3447	0.205	ug/l	91
70) Styrene	10.71	104	107545	4.008	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	255943	22.911	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	255943	53.766	ug/l #	15

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

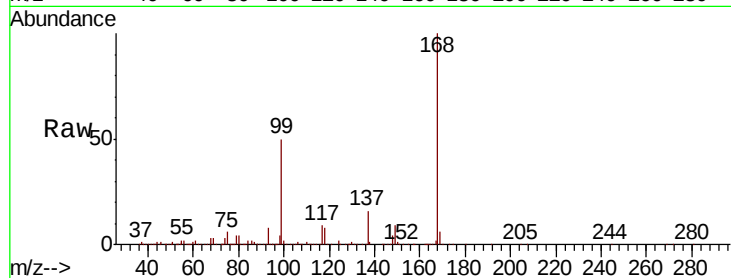
OUTFALL

Tot Ion:168 Resp: 868520

Ion Ratio Lower Upper

168 100

99 49.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

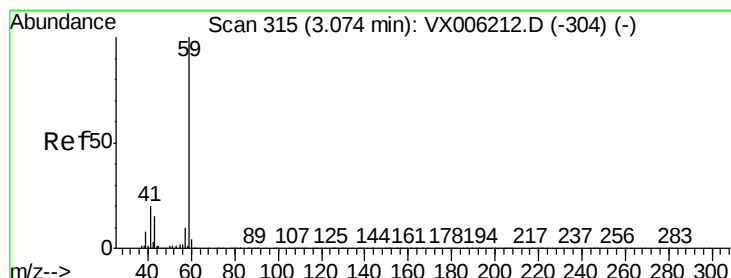
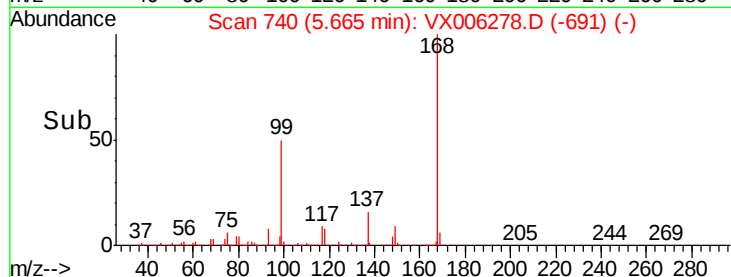
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.465 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX006278.D

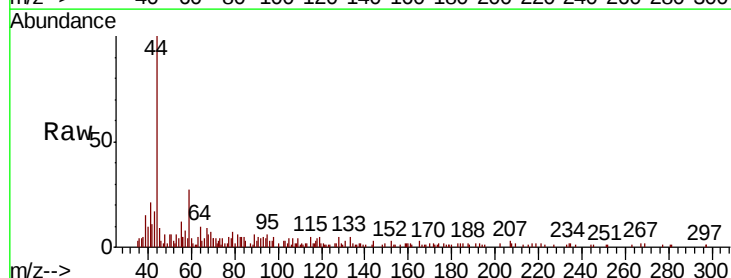
Acq: 04 Dec 2018 15:08

Tgt Ion: 59 Resp: 3553

Ion Ratio Lower Upper

59 100

57 11.8 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

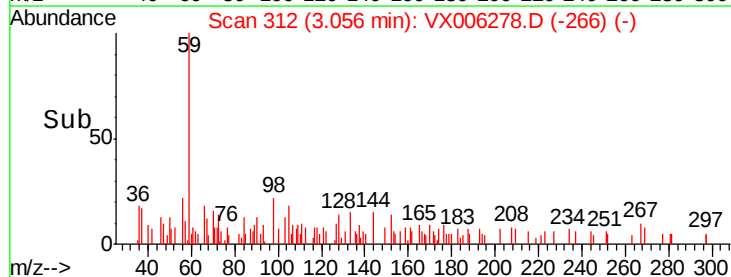
1500

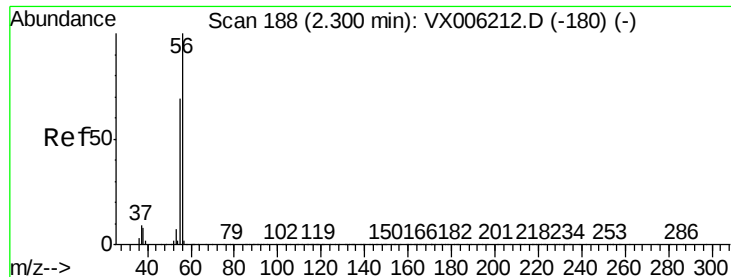
1000

500

0

Time--> 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 2.357 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

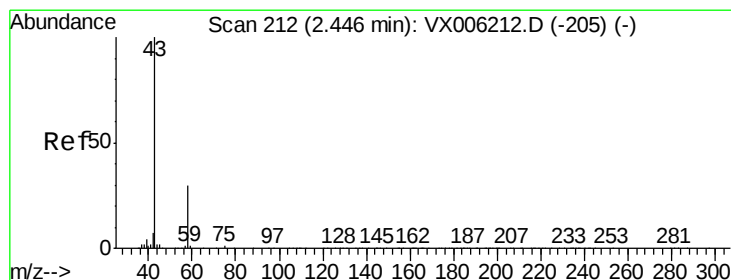
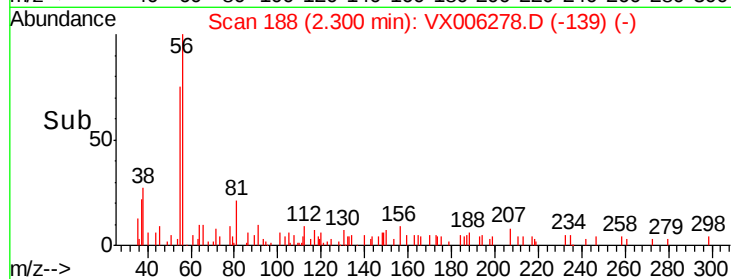
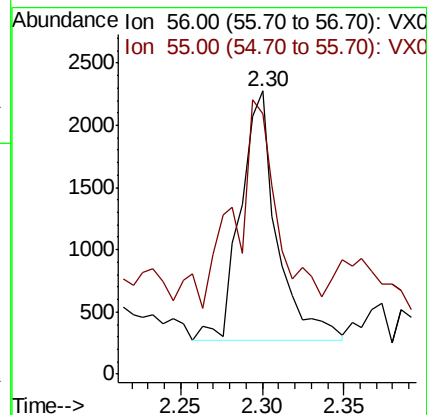
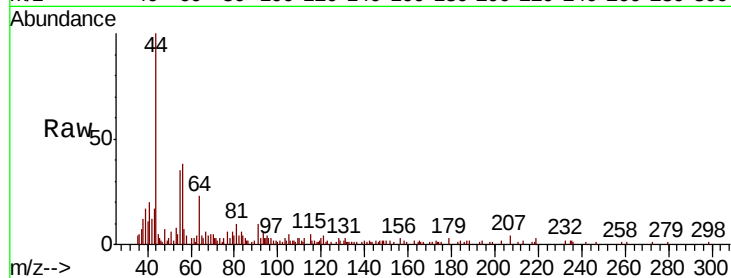
OUTFALL

Tot Ion: 56 Resp: 3124

Ion Ratio Lower Upper

56 100

55 90.2 57.8 86.6#



#16

Acetone

Concen: 30.120 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006278.D

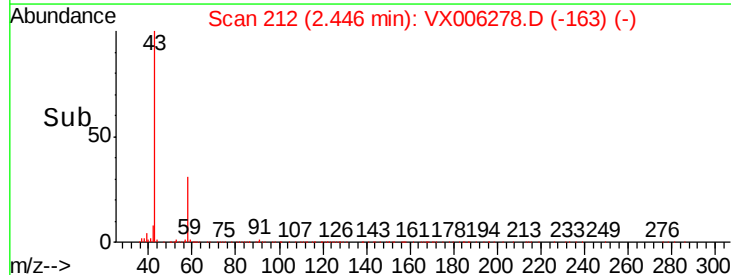
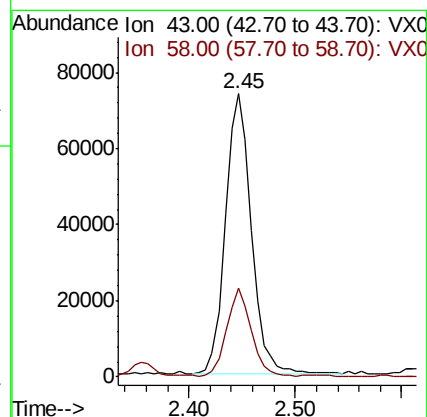
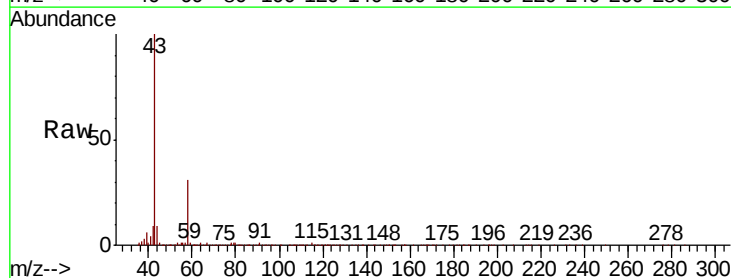
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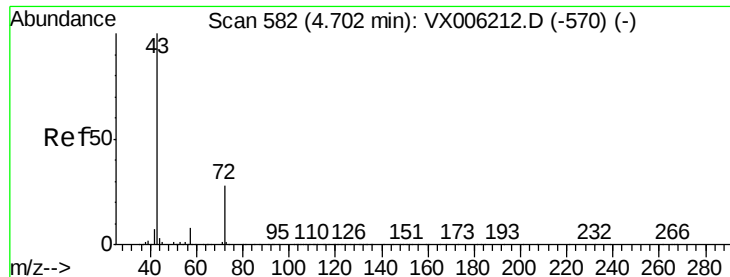
Tgt Ion: 43 Resp: 125326

Ion Ratio Lower Upper

43 100

58 31.1 24.0 36.0





#25

2-Butanone

Concen: 21.570 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

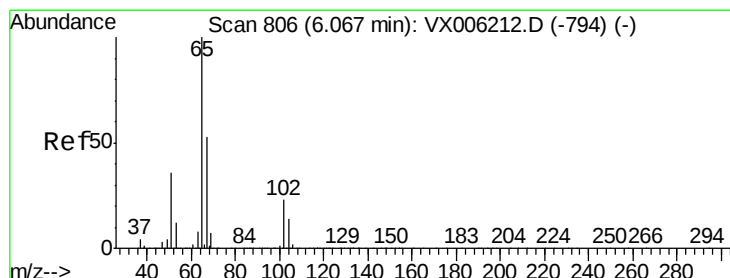
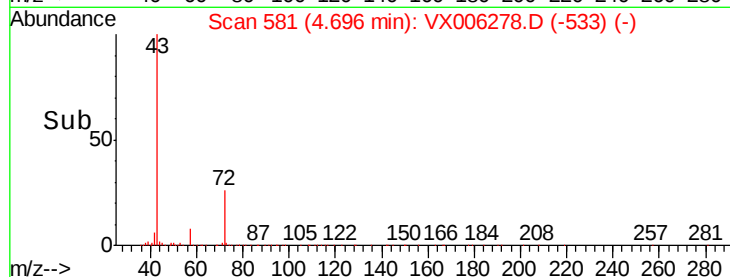
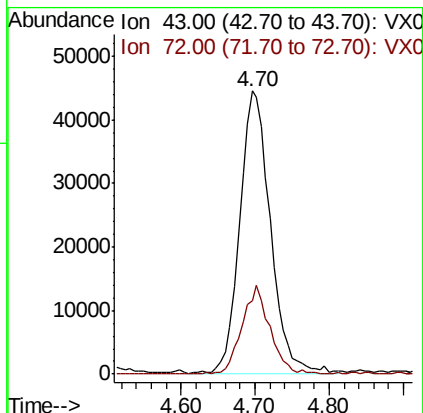
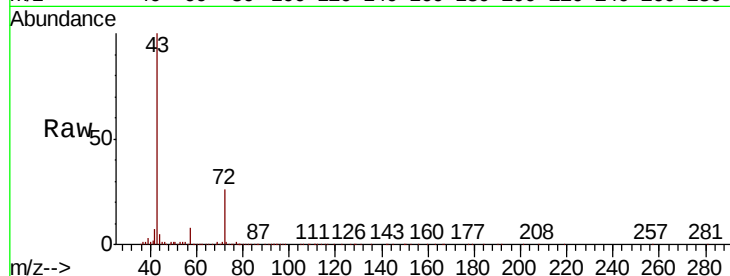
OUTFALL

Tot Ion: 43 Resp: 128059

Ion Ratio Lower Upper

43 100

72 25.8 22.6 33.8



#33

1,2-Dichloroethane-d4

Concen: 49.119 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006278.D

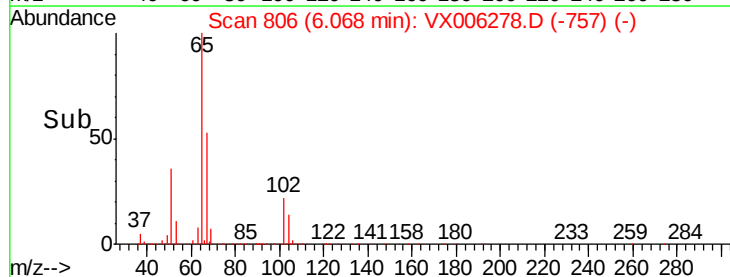
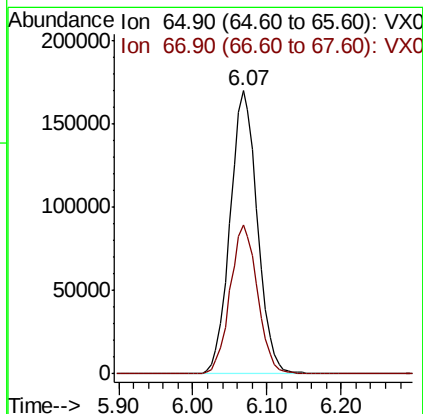
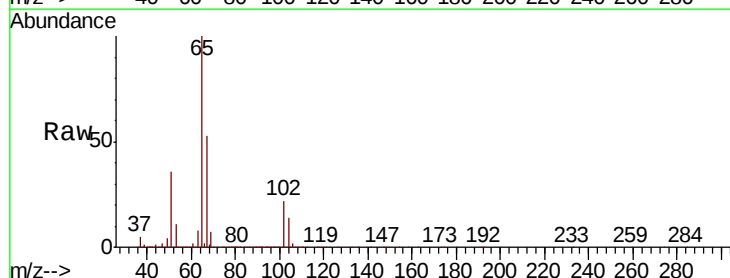
Acq: 04 Dec 2018 15:08

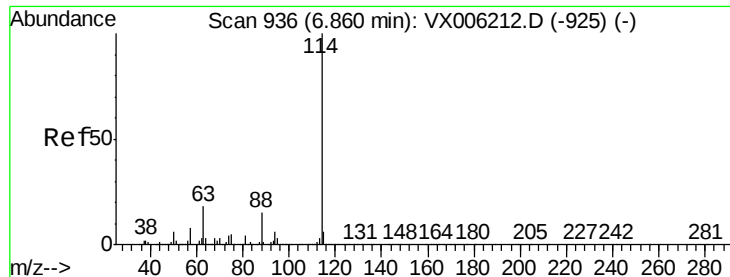
Tgt Ion: 65 Resp: 435496

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2

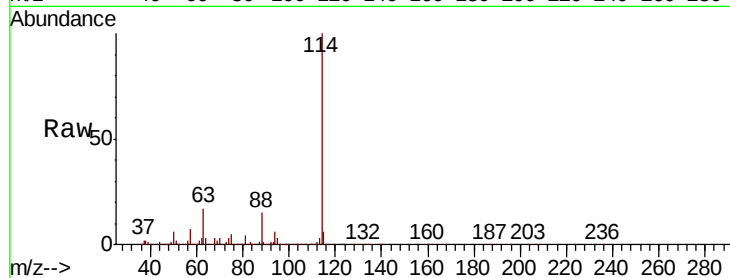




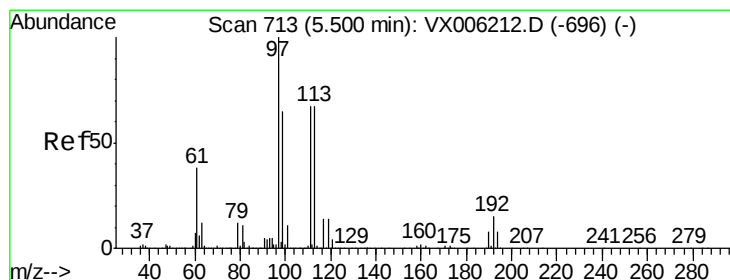
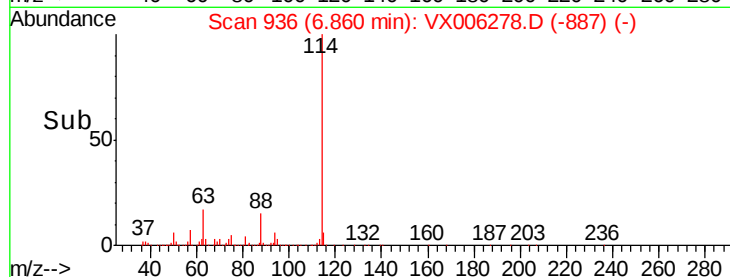
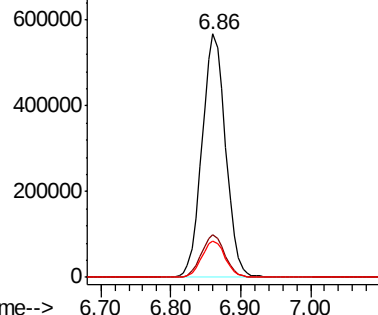
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006278.D
 Acq: 04 Dec 2018 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL

Tot Ion:114 Resp: 1326891
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.6
 88 15.1 0.0 29.0

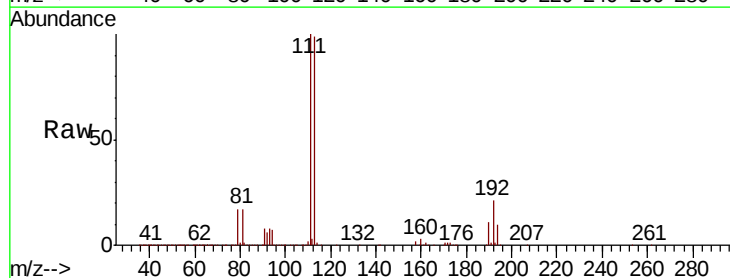


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

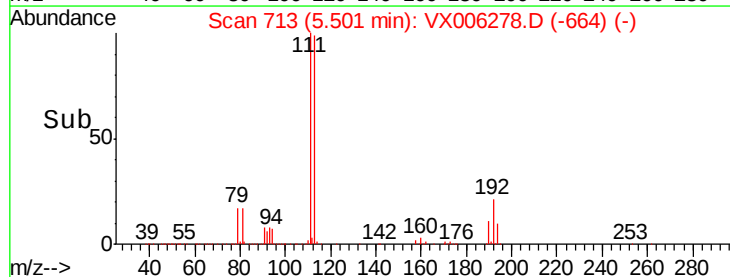
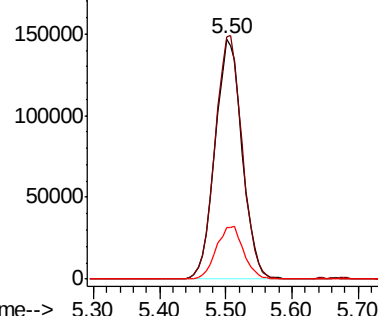


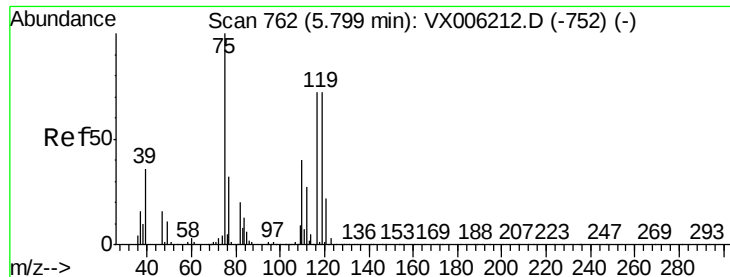
#35
 Dibromofluoromethane
 Concen: 48.708 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006278.D
 Acq: 04 Dec 2018 15:08

Tgt Ion:113 Resp: 418458
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.1 121.7
 192 22.1 18.2 27.2



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

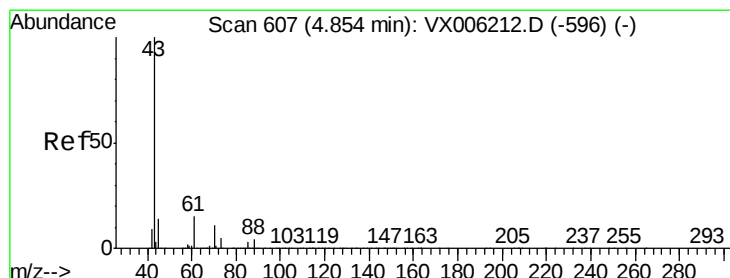
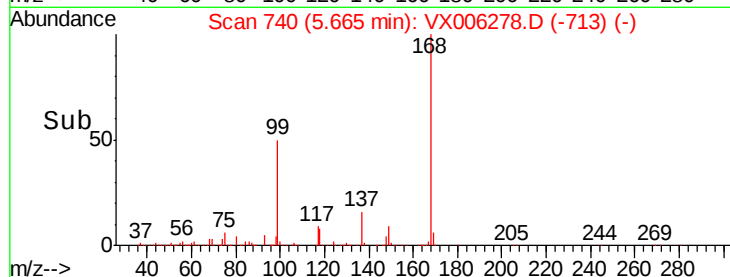
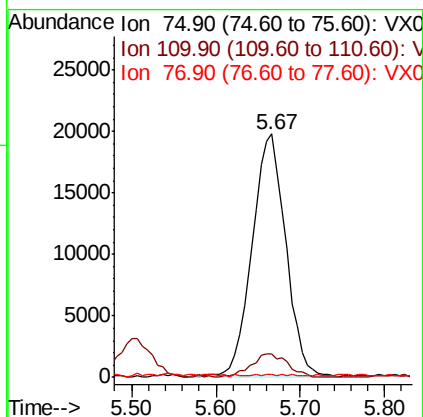
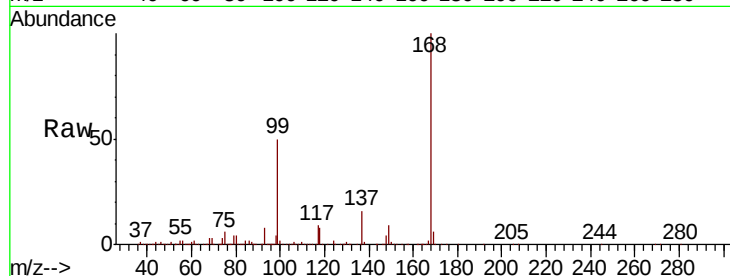




#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006278.D
 Acq: 04 Dec 2018 15:08

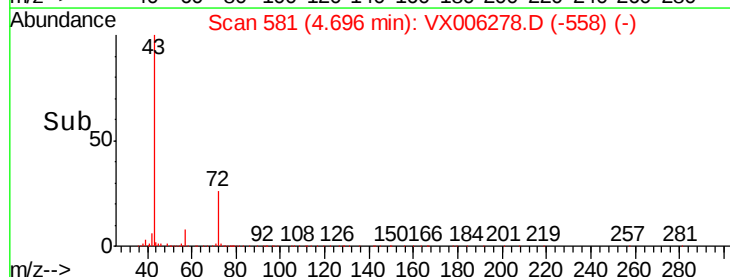
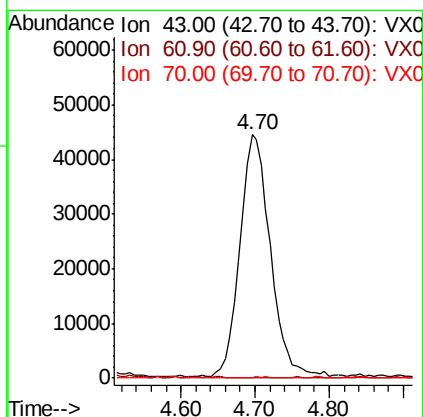
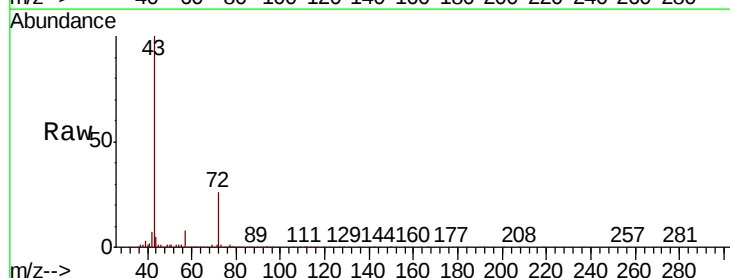
Instrument :
 MSVOA_X
 ClientSampled :
 OUTFALL

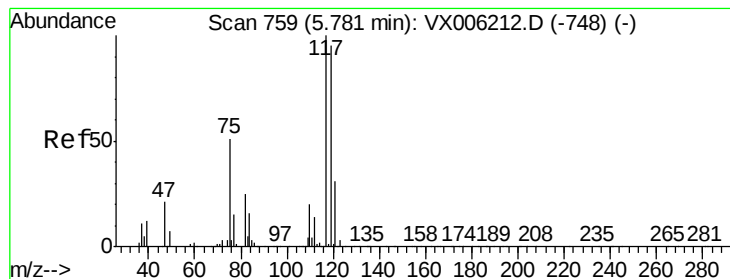
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.4	61.3#
77	0.3	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 10.234 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.16 min
 Lab File: VX006278.D
 Acq: 04 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.3	11.5	17.3#
70	0.1	9.0	13.6#





#38

Carbon Tetrachloride

Concen: 6.021 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

OUTFALL

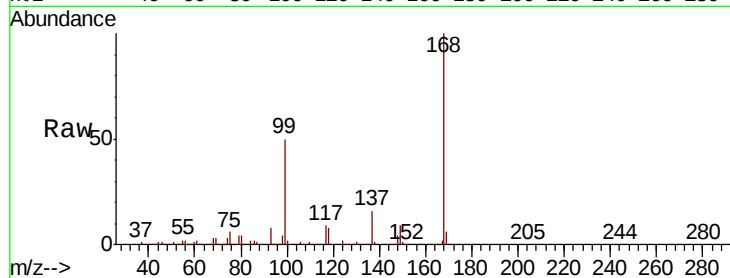
Tot Ion: 117 Resp: 79142

Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.8#

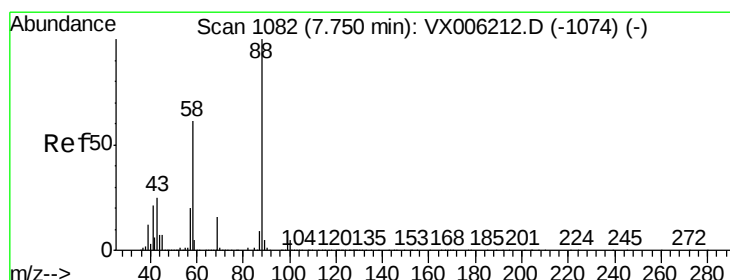
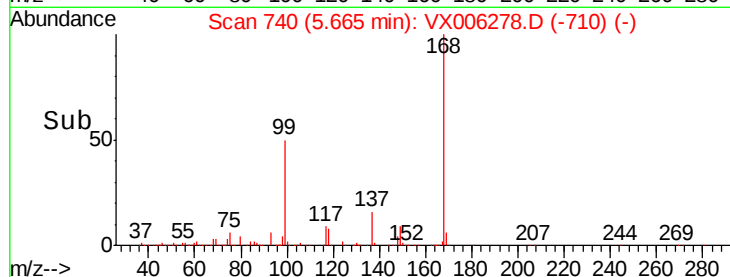
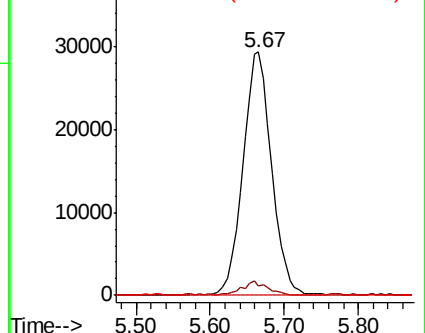
121 0.2 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 0.476 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

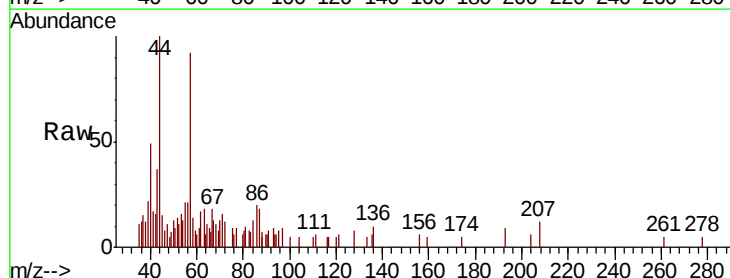
Tgt Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

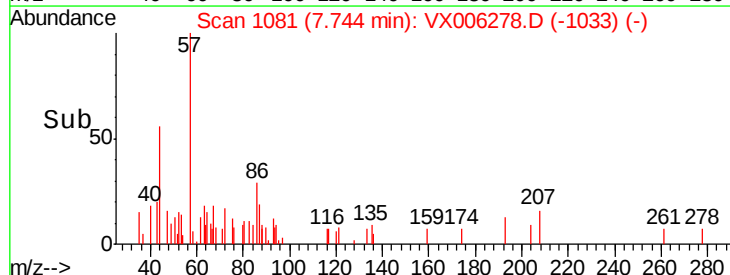
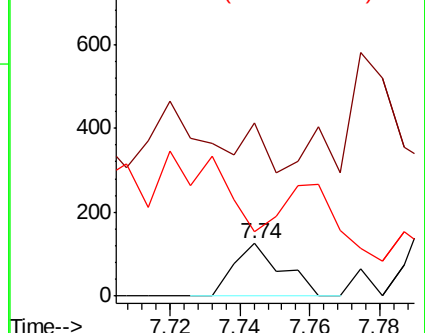
58 0.0 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.755 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

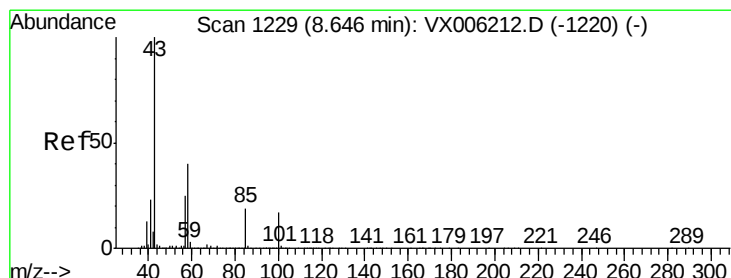
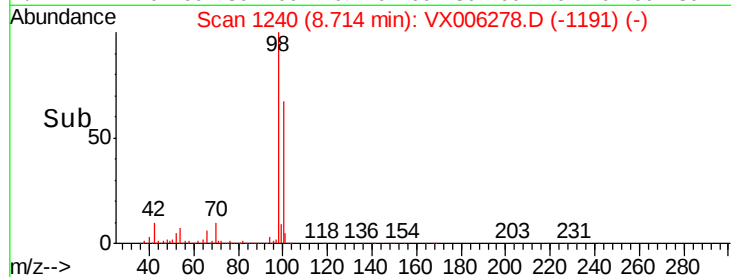
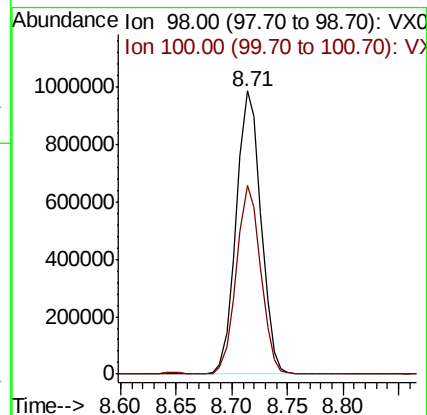
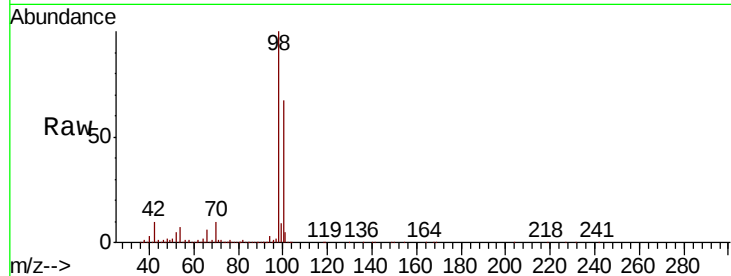
OUTFALL

Tot Ion: 98 Resp: 1523563

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 4.948 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006278.D

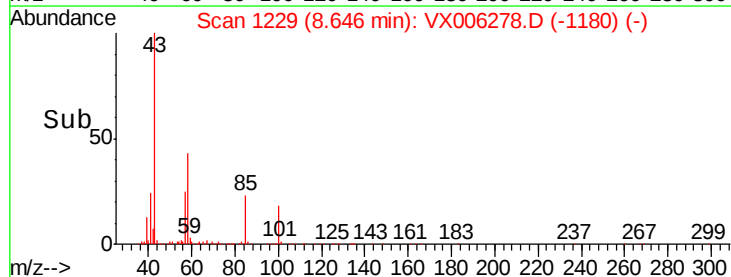
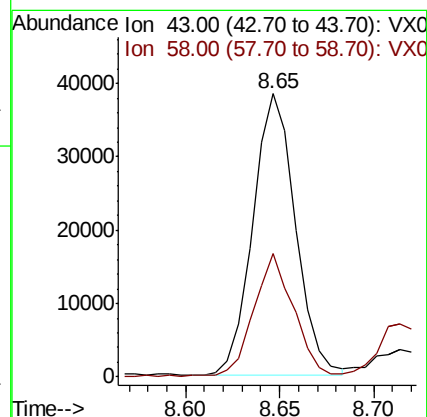
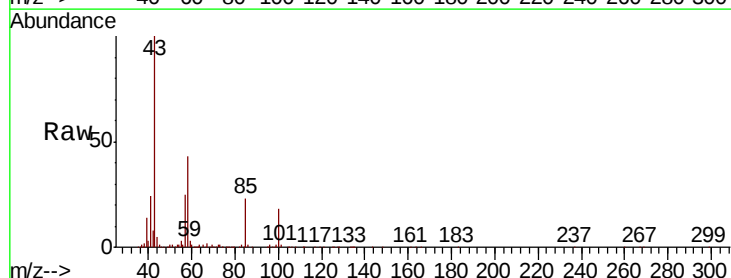
Acq: 04 Dec 2018 15:08

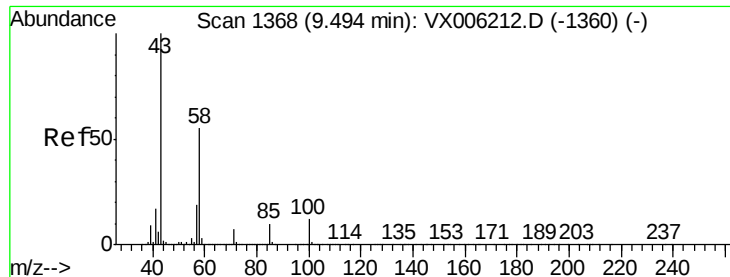
Tgt Ion: 43 Resp: 60097

Ion Ratio Lower Upper

43 100

58 39.7 31.3 46.9

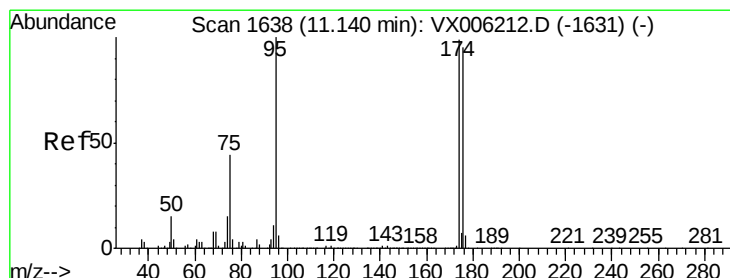
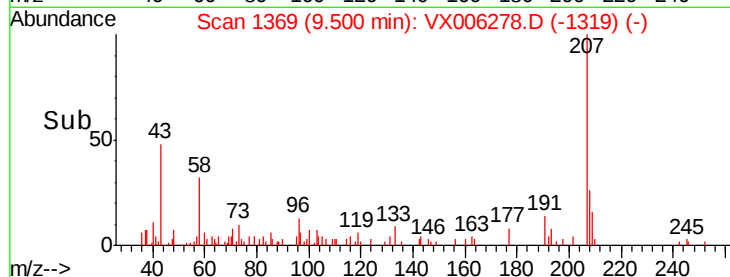
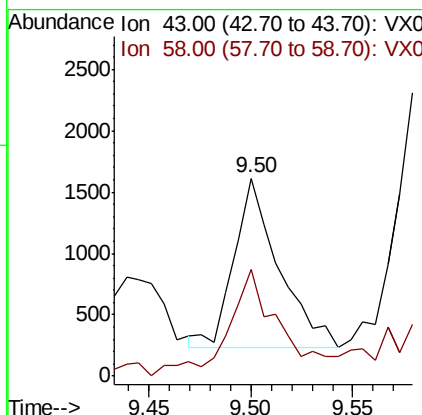
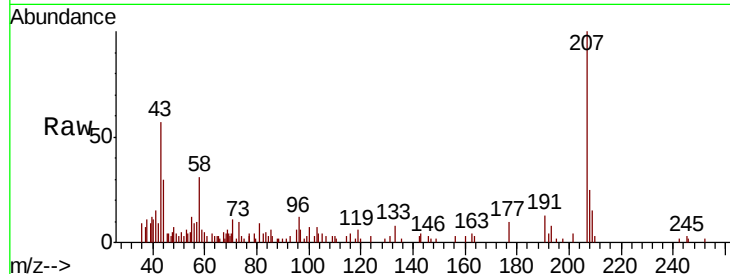




#59
2-Hexanone
Concen: 0.226 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006278.D
Acq: 04 Dec 2018 15:08

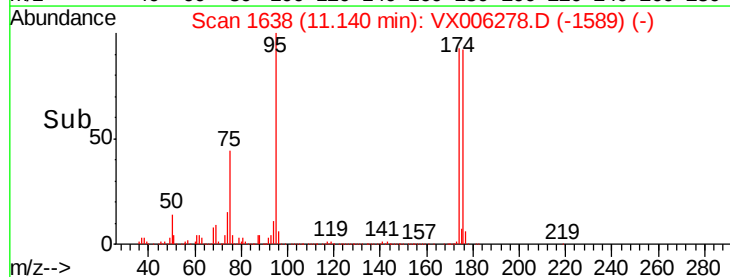
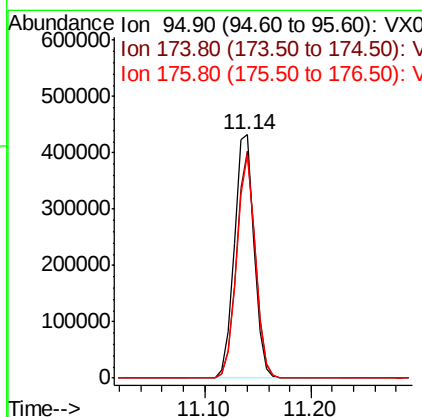
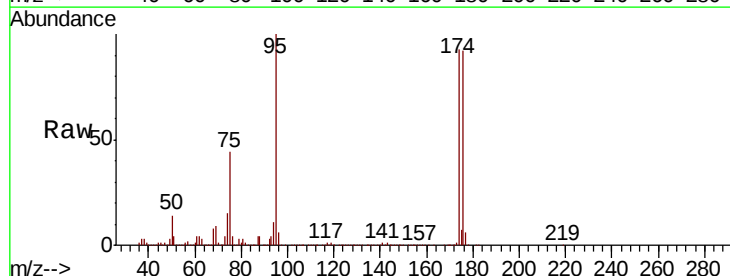
Instrument :
MSVOA_X
ClientSampled :
OUTFALL

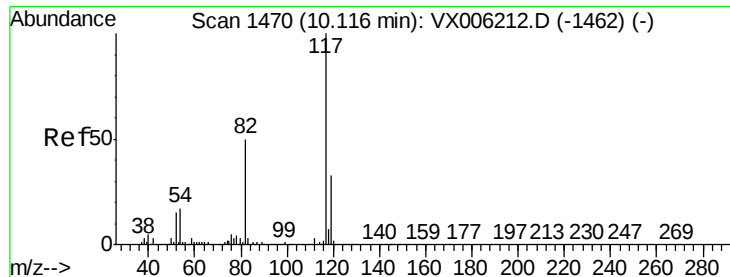
Tot Ion: 43 Resp: 2093
Ion Ratio Lower Upper
43 100
58 75.6 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 47.942 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006278.D
Acq: 04 Dec 2018 15:08

Tgt Ion: 95 Resp: 564549
Ion Ratio Lower Upper
95 100
174 88.4 0.0 187.0
176 86.6 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampled :

OUTFALL

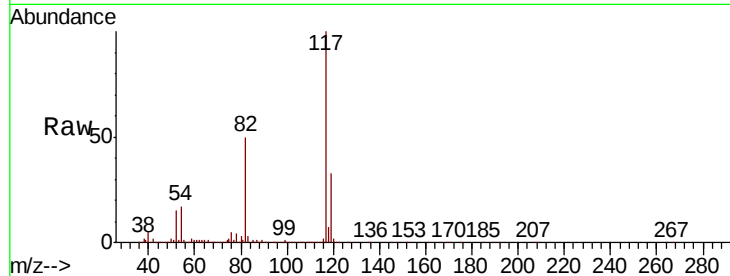
Tot Ion:117 Resp: 1187543

Ion Ratio Lower Upper

117 100

82 50.0 39.6 59.4

119 32.6 26.3 39.5

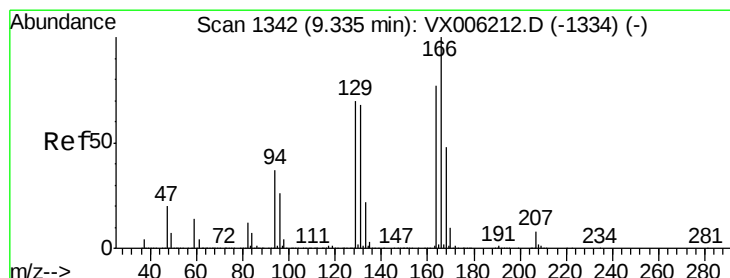
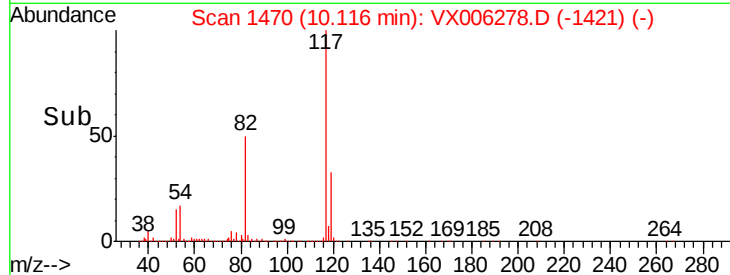
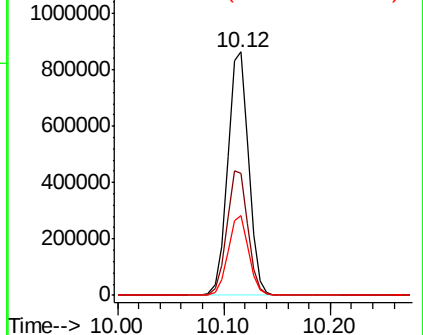


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.375 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Tgt Ion:164 Resp: 3351

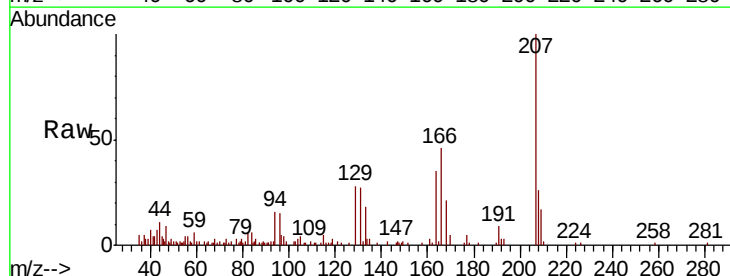
Ion Ratio Lower Upper

164 100

166 128.8 104.2 156.2

129 76.1 72.6 108.8

131 76.9 70.3 105.5



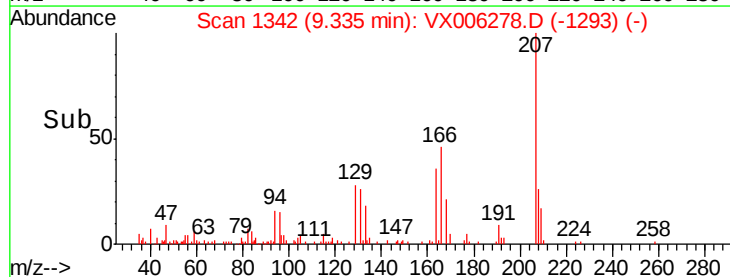
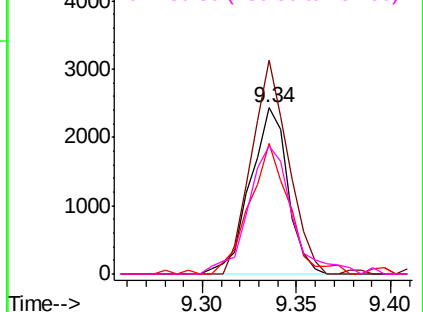
Abundance

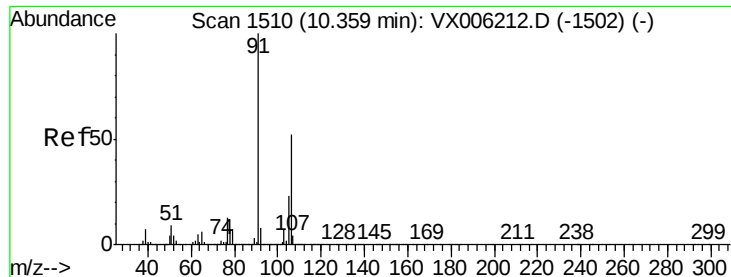
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

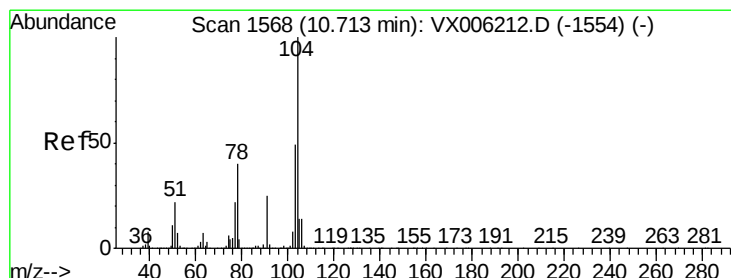
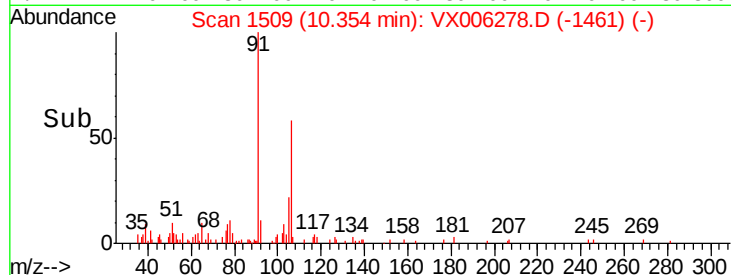
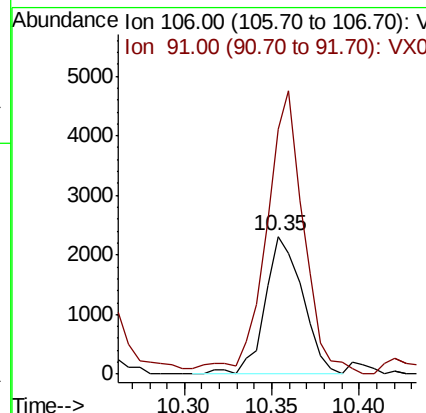
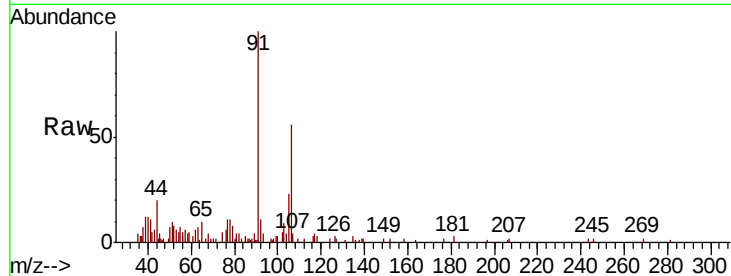




#68
m/p-Xvlenes
Concen: 0.205 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX006278.D
Acq: 04 Dec 2018 15:08

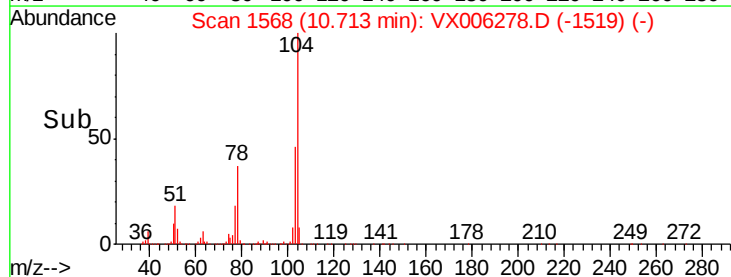
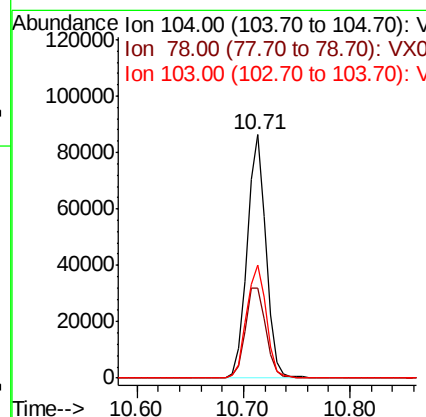
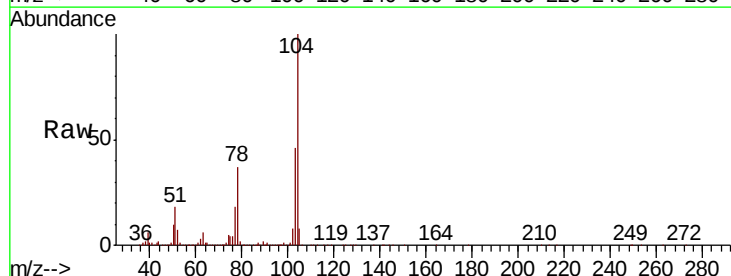
Instrument :
MSVOA_X
ClientSampled :
OUTFALL

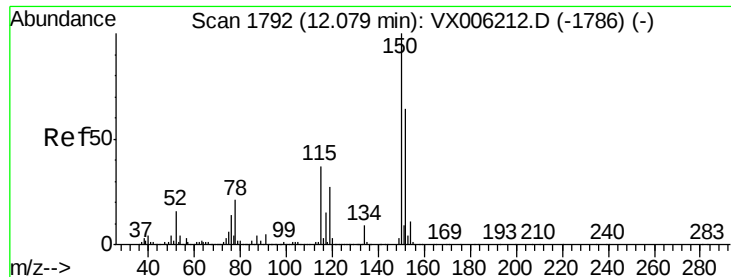
Tot Ion:106 Resp: 3447
Ion Ratio Lower Upper
106 100
91 207.2 155.2 232.8



#70
Styrene
Concen: 4.008 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006278.D
Acq: 04 Dec 2018 15:08

Tgt Ion:104 Resp: 107545
Ion Ratio Lower Upper
104 100
78 40.4 37.2 55.8
103 48.6 43.5 65.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL

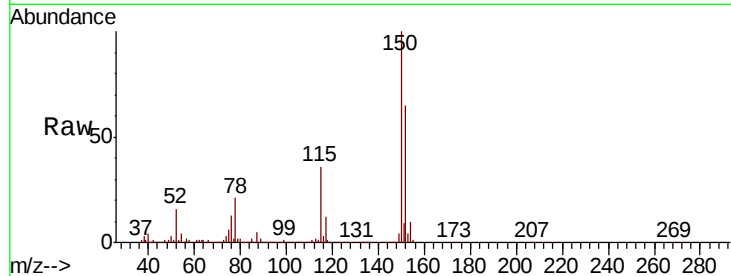
Tot Ion:152 Resp: 578765

Ion Ratio Lower Upper

152 100

115 55.9 39.0 116.9

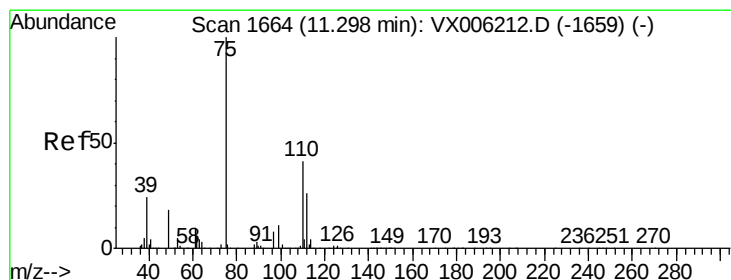
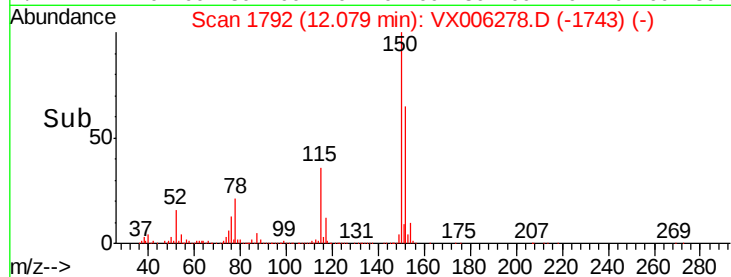
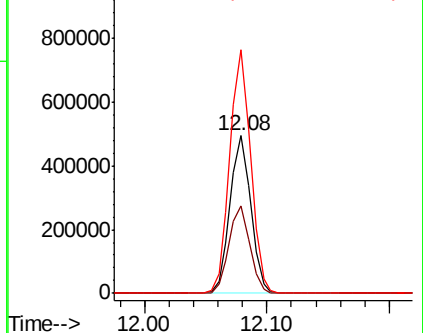
150 155.4 0.0 345.8



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: 22.911 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006278.D

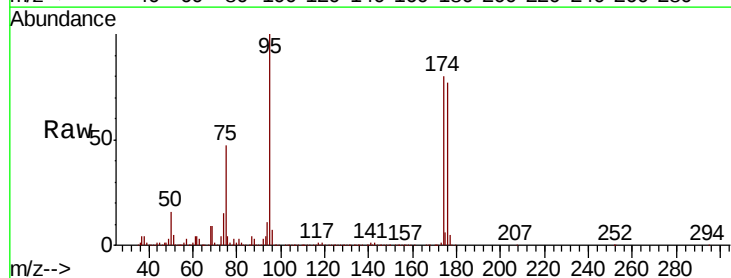
Acq: 04 Dec 2018 15:08

Tgt Ion: 75 Resp: 255943

Ion Ratio Lower Upper

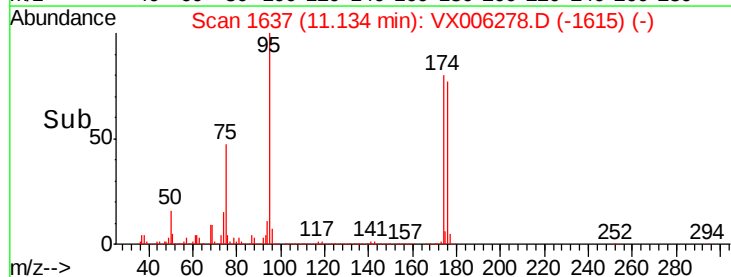
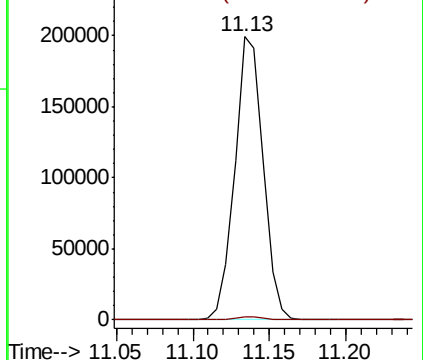
75 100

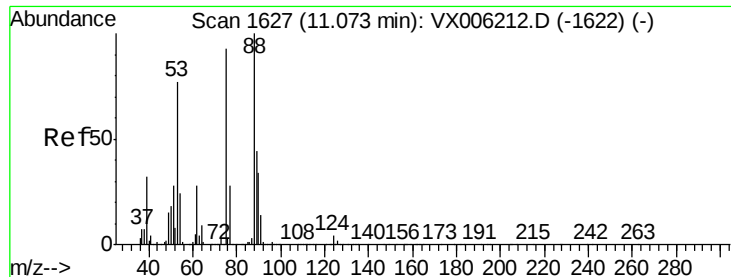
77 1.3 19.9 59.7#



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: 53.766 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006278.D

Acq: 04 Dec 2018 15:08

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL

Tot Ion: 75 Resp: 255943

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.1 44.2 66.4#

