

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113018\
 Data File : VX006227.D
 Acq On : 30 Nov 2018 13:49
 Operator : JC/MD
 Sample : J6147-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Nov 30 22:18:13 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	955255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1405049	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1274107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	623280	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	456048	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
35) Dibromofluoromethane	5.51	113	444254	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	1632707	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	606253	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

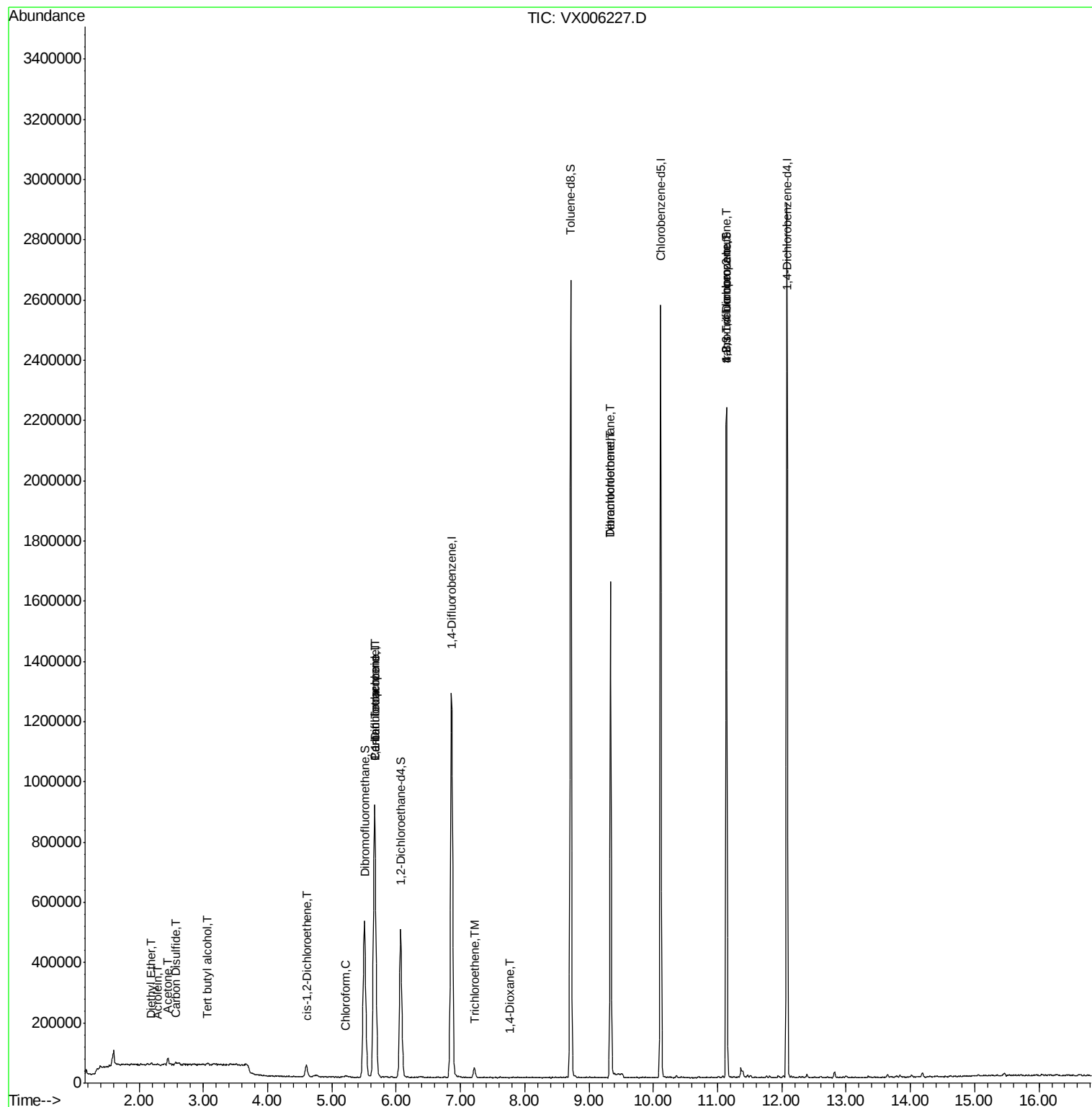
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.20	74	1806	0.301	ug/l	67
11) Tert butyl alcohol	3.06	59	5373	2.015	ug/l #	82
13) Acrolein	2.28	56	1071	0.735	ug/l #	1
16) Acetone	2.45	43	26797	5.856	ug/l	98
17) Carbon Disulfide	2.58	76	8362	0.314	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	26701	2.599	ug/l	90
30) Chloroform	5.21	83	5822	0.363	ug/l	98
36) 1,1-Dichloropropene	5.66	75	57325	4.845	ug/l #	48
38) Carbon Tetrachloride	5.67	117	84561	6.075	ug/l #	15
44) Trichloroethene	7.21	130	14911	1.389	ug/l	83
49) 1,4-Dioxane	7.76	88	210	0.793	ug/l #	1
60) Dibromochloromethane	9.34	129	288775	24.725	ug/l #	11
64) Tetrachloroethene	9.34	164	319523	33.300	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	276471	22.981	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	276471	53.930	ug/l #	15

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

Instrument :

MSVOA_X

ClientSampled :

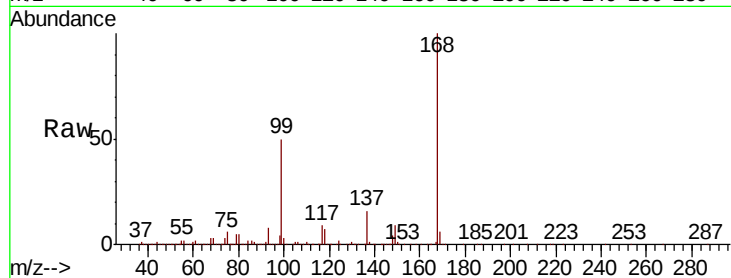
MW-11

Tot Ion:168 Resp: 955255

Ion Ratio Lower Upper

168 100

99 49.5 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

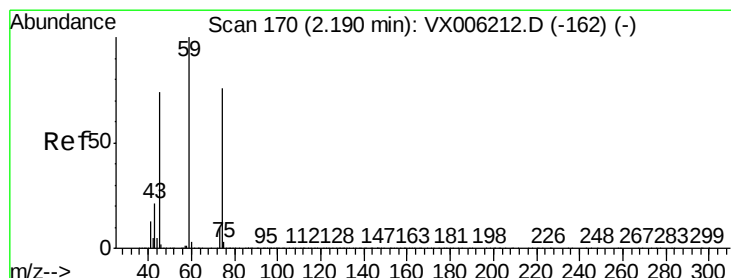
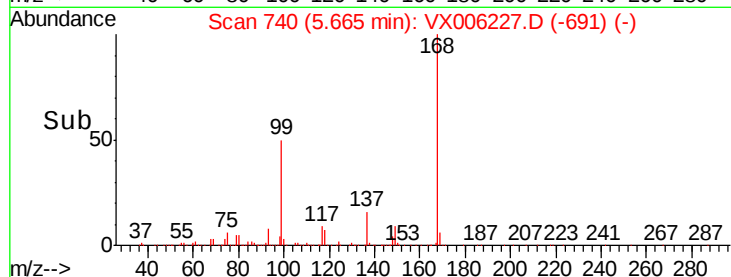
200000

100000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#8

Diethyl Ether

Concen: 0.301 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX006227.D

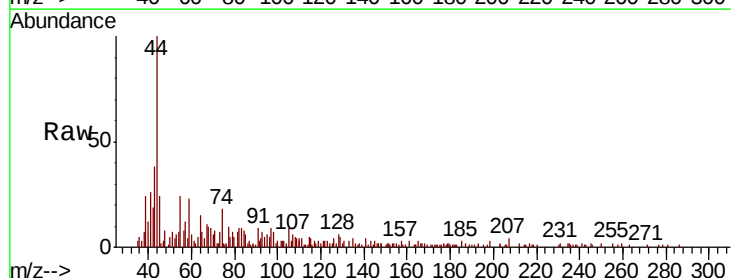
Acq: 30 Nov 2018 13:49

Tgt Ion: 74 Resp: 1806

Ion Ratio Lower Upper

74 100

45 131.7 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.20

2000

1500

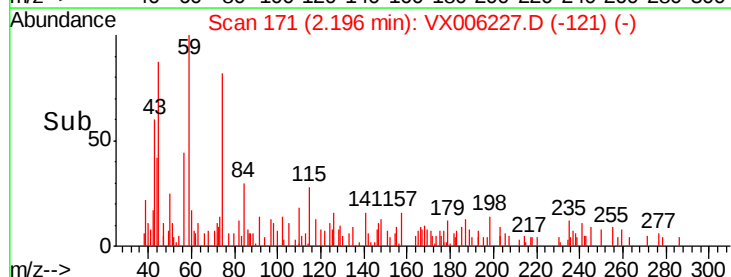
1000

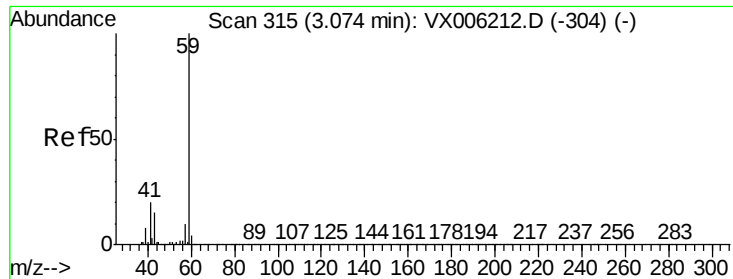
500

0

Time-->

2.15 2.20 2.25



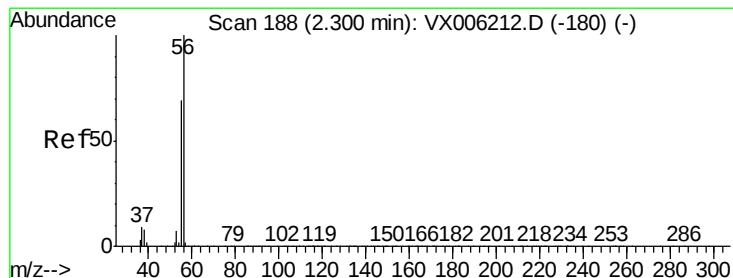
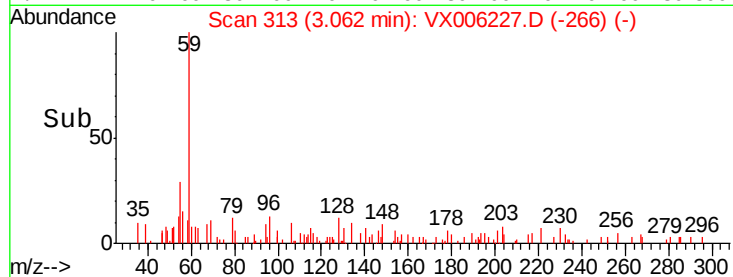
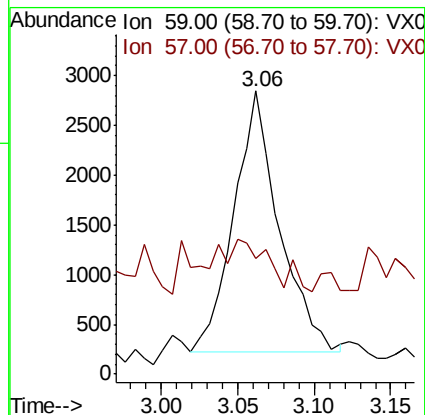
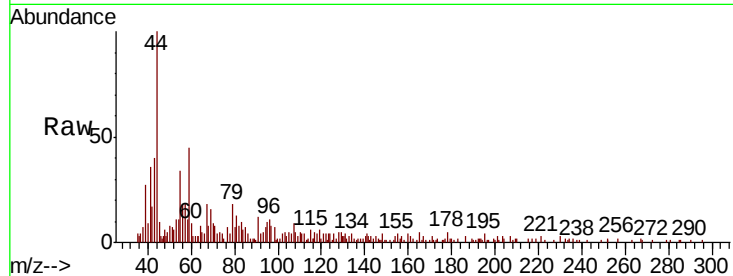


#11

Tert butyl alcohol
Concen: 2.015 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006227.D
Acq: 30 Nov 2018 13:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11

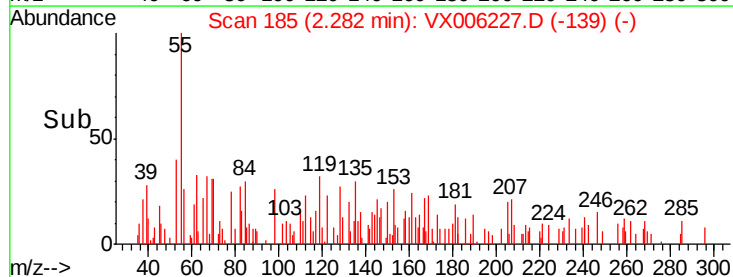
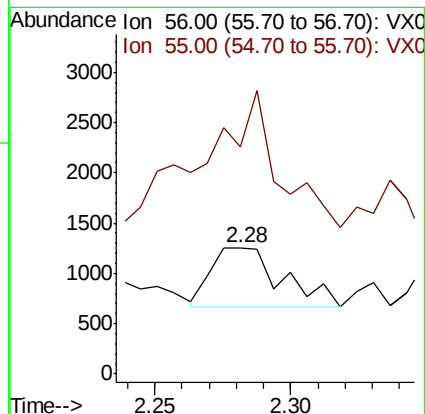
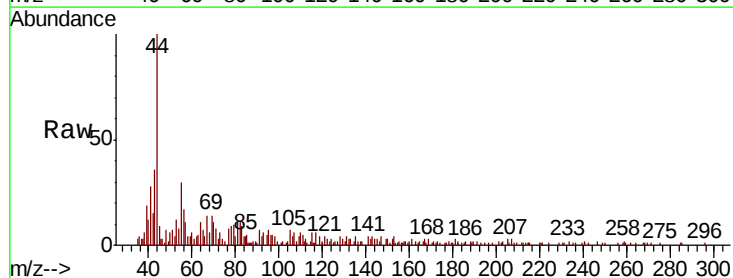
Tot Ion: 59 Resp: 5373
Ion Ratio Lower Upper
59 100
57 17.0 8.2 12.2#

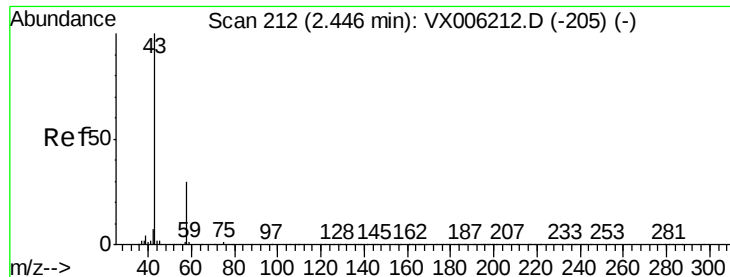


#13

Acrolein
Concen: 0.735 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.02 min
Lab File: VX006227.D
Acq: 30 Nov 2018 13:49

Tgt Ion: 56 Resp: 1071
Ion Ratio Lower Upper
56 100
55 244.7 57.8 86.6#

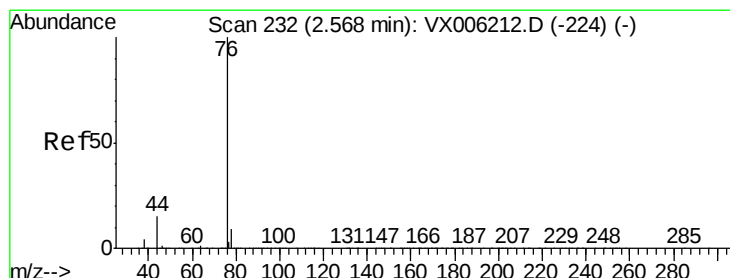
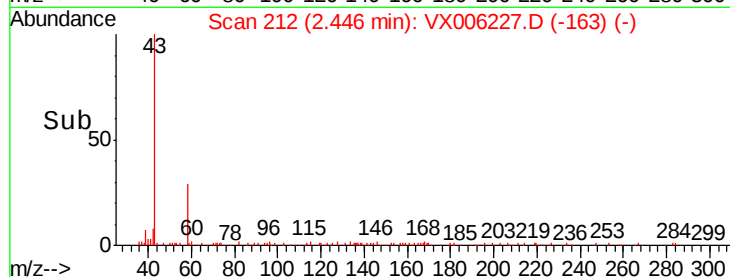
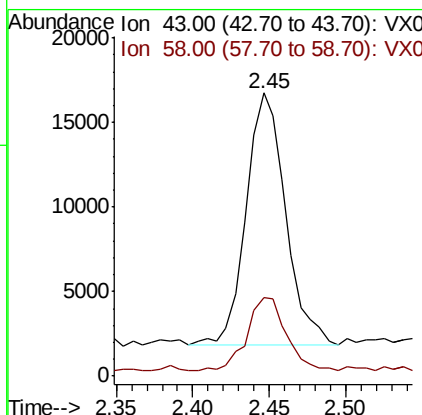
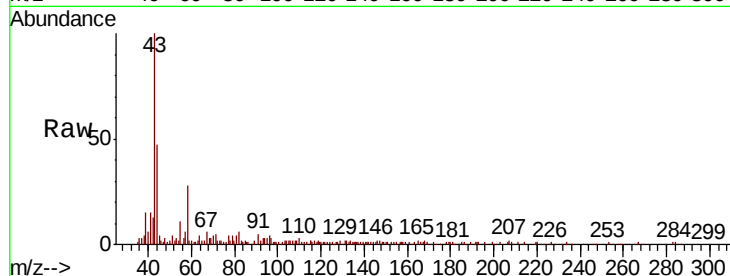




#16
Acetone
Concen: 5.856 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006227.D
Acq: 30 Nov 2018 13:49

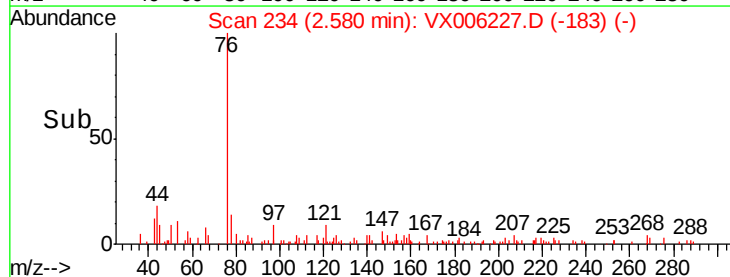
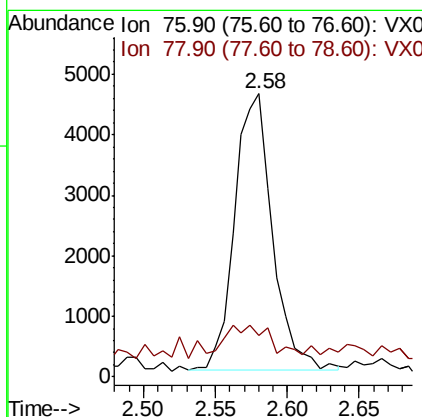
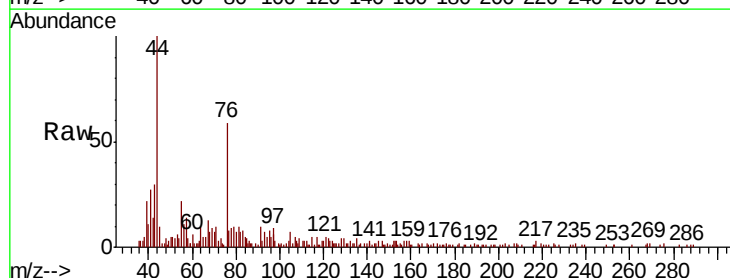
Instrument :
MSVOA_X
ClientSampleId :
MW-11

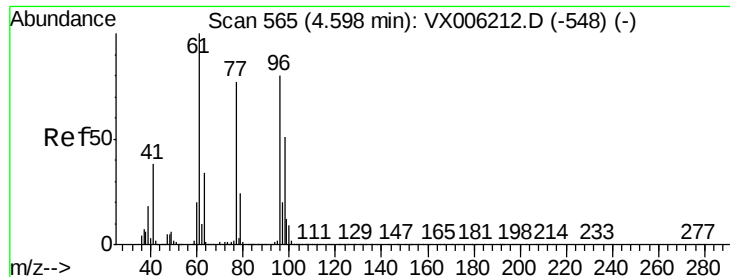
Tot Ion: 43 Resp: 26797
Ion Ratio Lower Upper
43 100
58 29.1 24.0 36.0



#17
Carbon Disulfide
Concen: 0.314 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX006227.D
Acq: 30 Nov 2018 13:49

Tgt Ion: 76 Resp: 8362
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



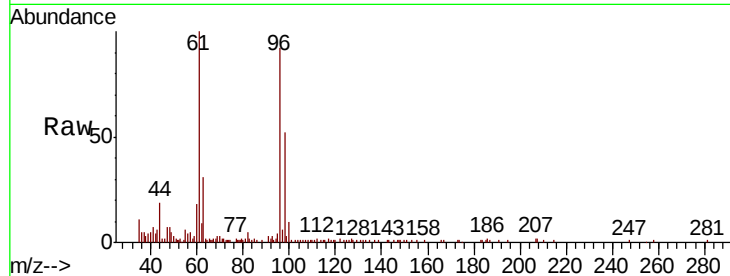


#27

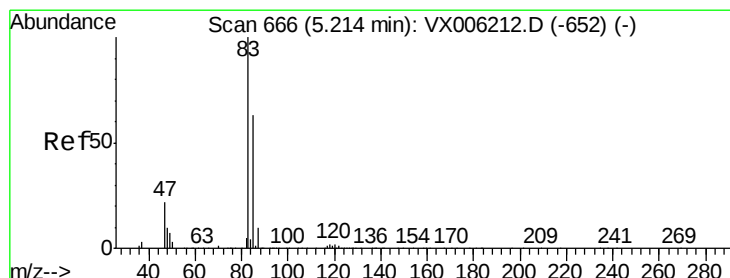
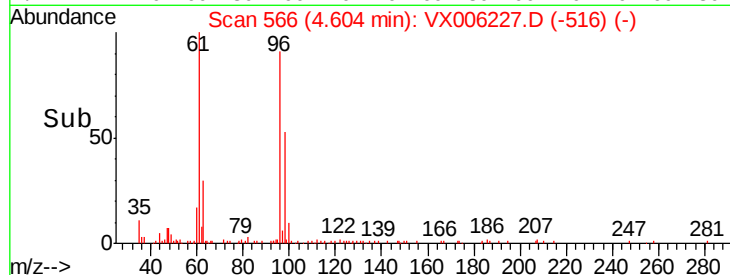
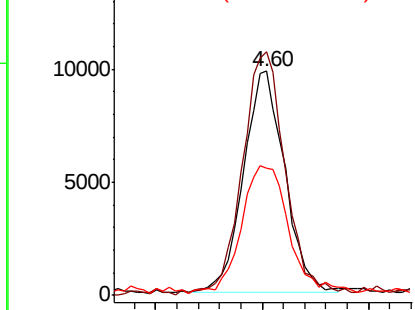
cis-1,2-Dichloroethene
 Concen: 2.599 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX006227.D
 Acq: 30 Nov 2018 13:49

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion	96	Resp	26701
Ion	Ratio	Lower	Upper
96	100		
61	115.1	0.0	265.0
98	65.8	0.0	130.2



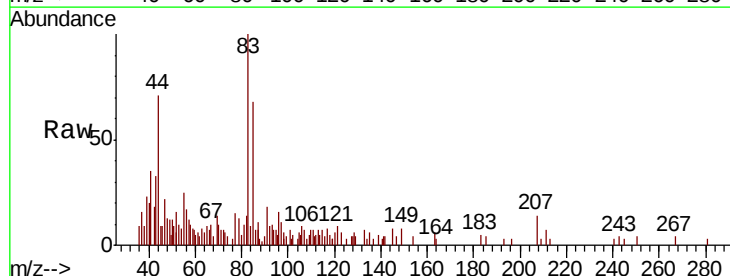
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



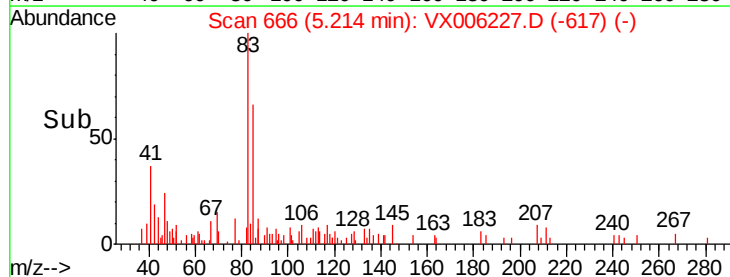
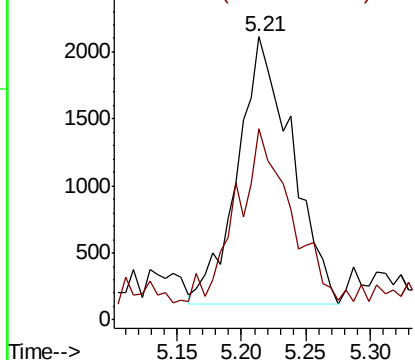
#30

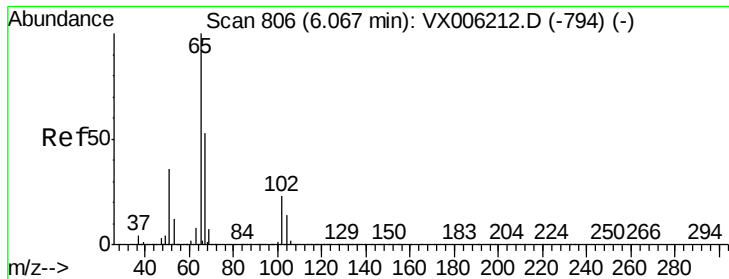
Chloroform
 Concen: 0.363 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VX006227.D
 Acq: 30 Nov 2018 13:49

Tgt Ion	83	Resp	5822
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.766 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

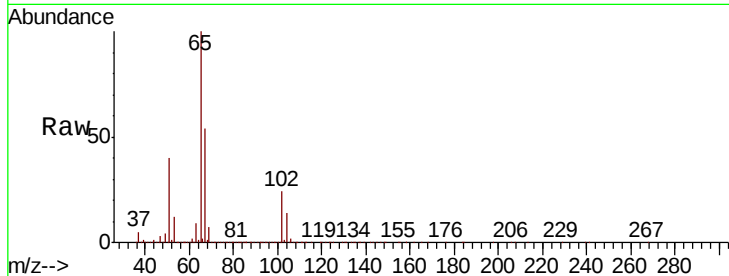
MW-11

Tot Ion: 65 Resp: 456048

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

200000

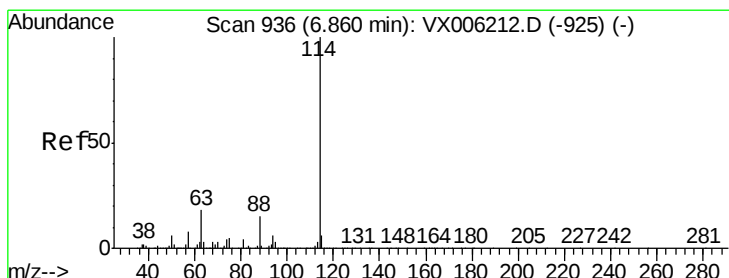
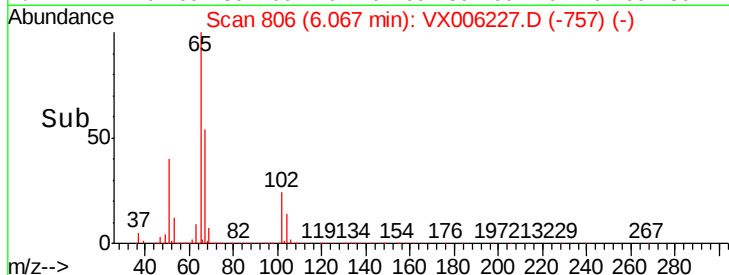
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

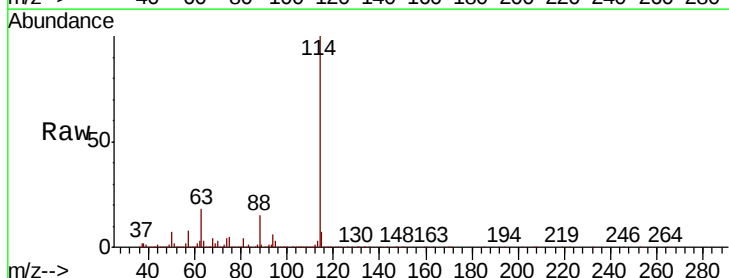
Tgt Ion: 114 Resp: 1405049

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 15.3 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

800000

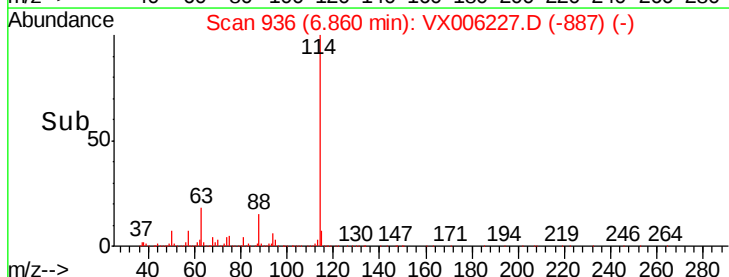
600000

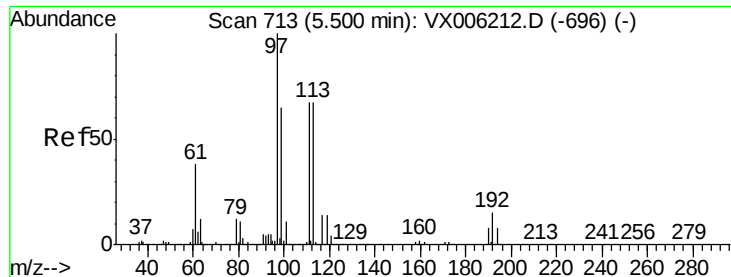
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.834 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

MW-11

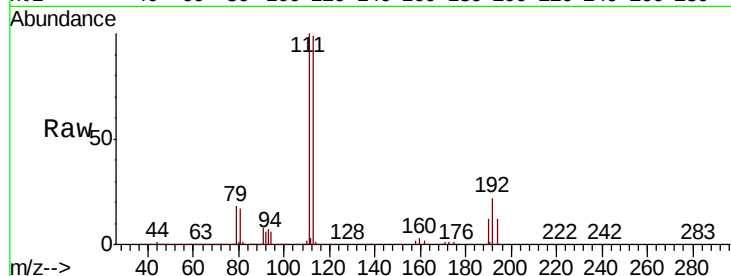
Tot Ion:113 Resp: 444254

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

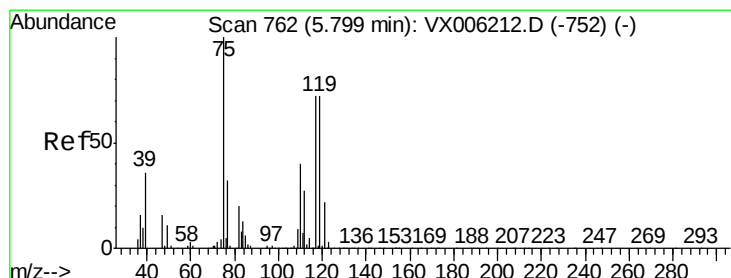
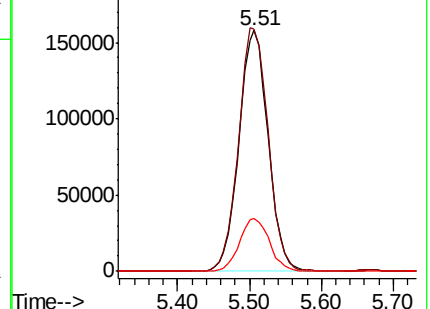
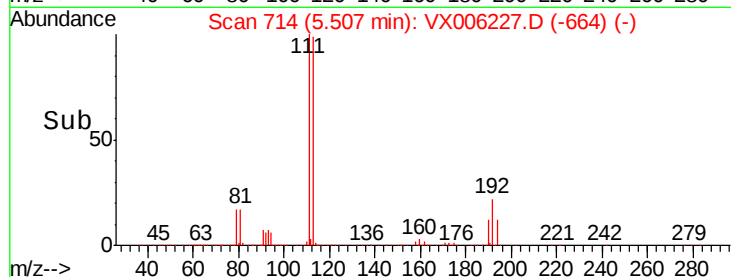
192 22.6 18.2 27.2



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: 4.845 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

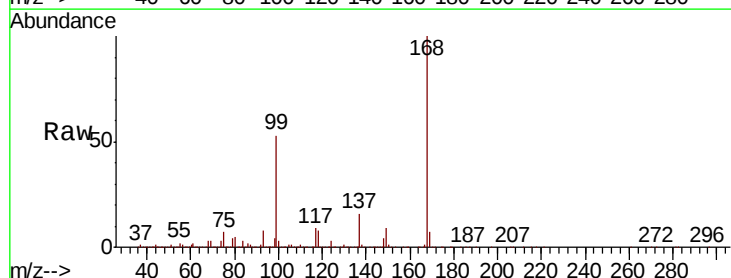
Tgt Ion: 75 Resp: 57325

Ion Ratio Lower Upper

75 100

110 10.7 20.4 61.3#

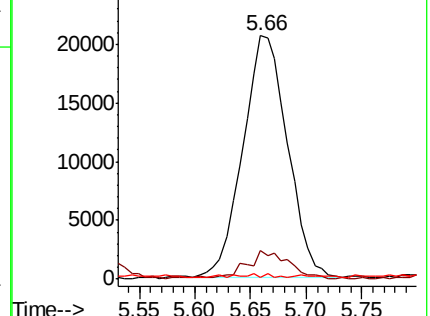
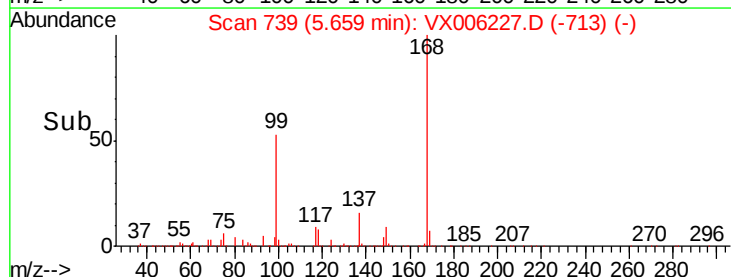
77 0.5 24.9 37.3#

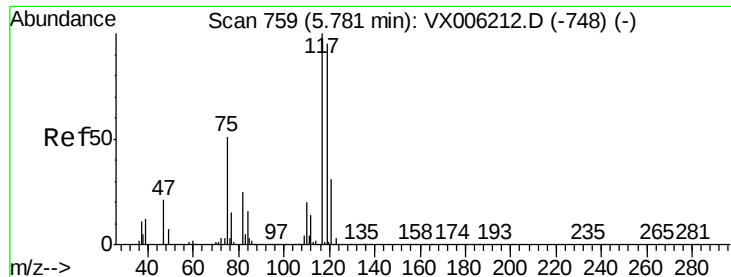


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.075 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

Instrument :

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MW-11

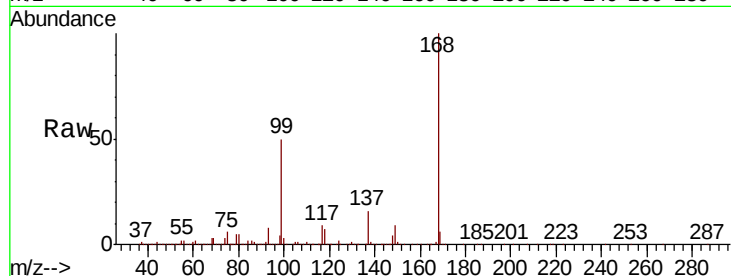
Tot Ion:117 Resp: 84561

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

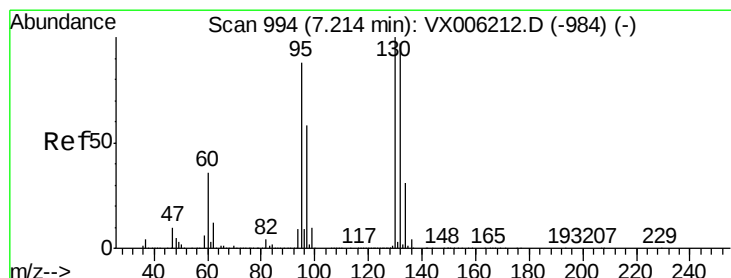
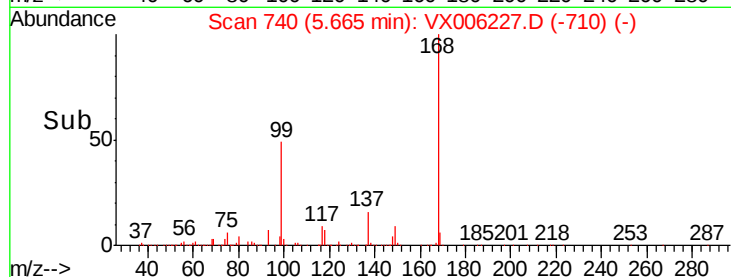
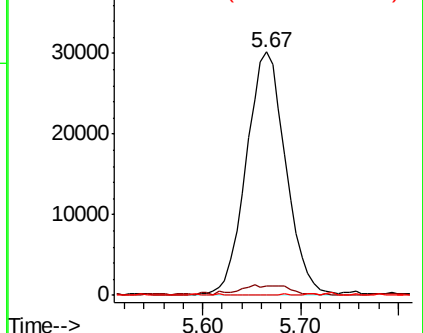
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 1.389 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006227.D

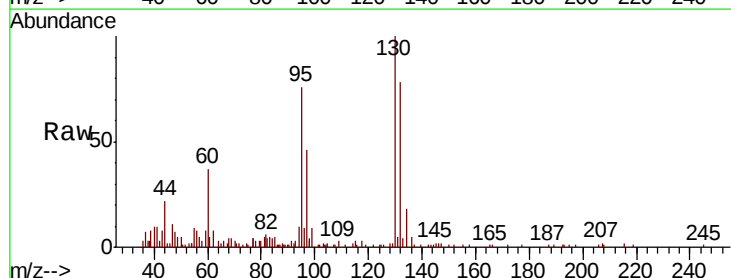
Acq: 30 Nov 2018 13:49

Tgt Ion:130 Resp: 14911

Ion Ratio Lower Upper

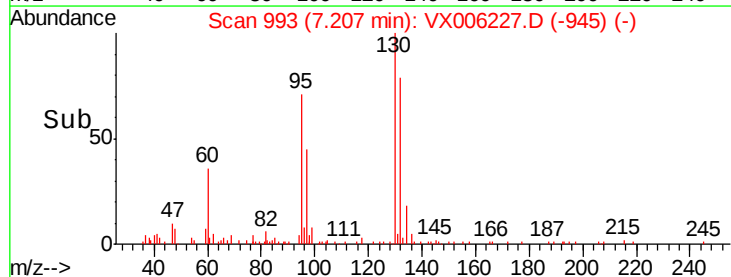
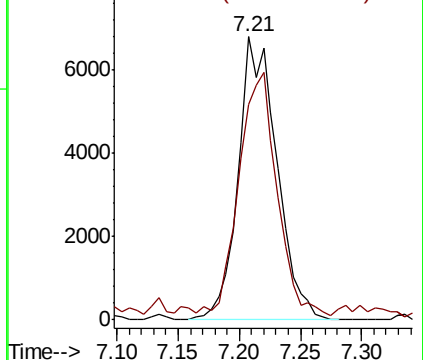
130 100

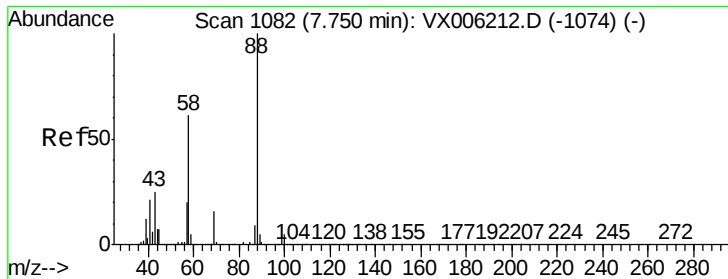
95 72.3 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.793 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

MW-11

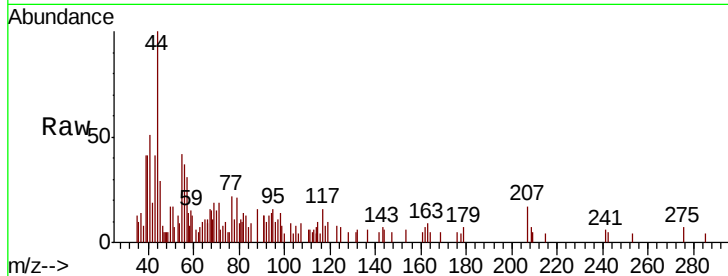
Tot Ion: 88 Resp: 210

Ion Ratio Lower Upper

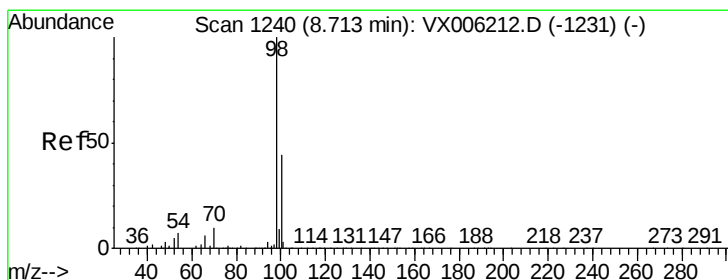
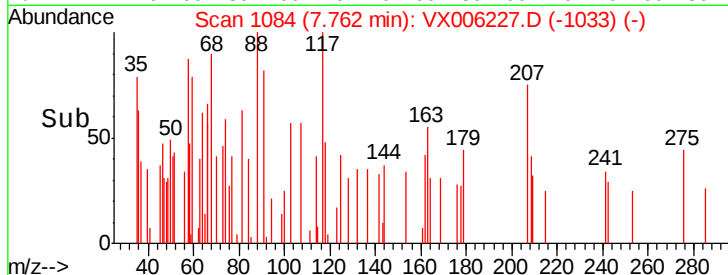
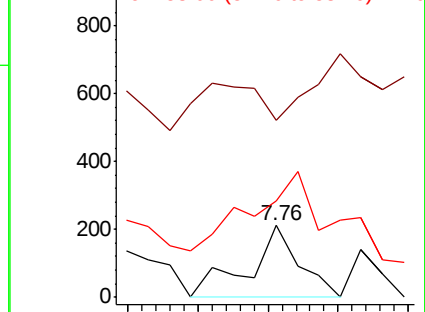
88 100

43 0.0 23.2 34.8#

58 205.7 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: 49.341 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006227.D

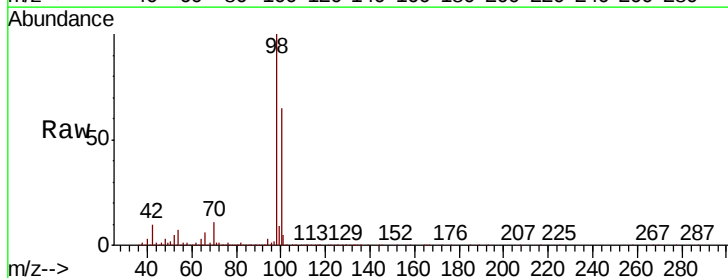
Acq: 30 Nov 2018 13:49

Tgt Ion: 98 Resp: 1632707

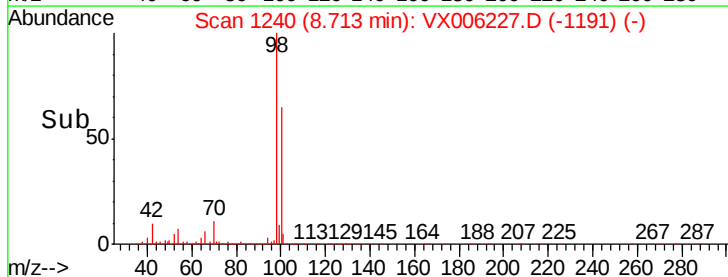
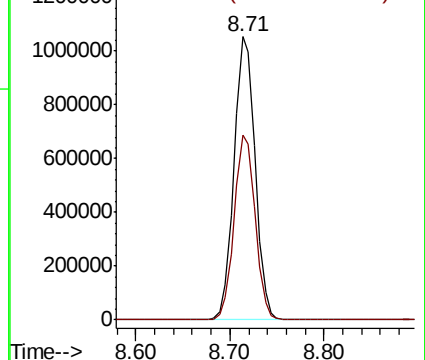
Ion Ratio Lower Upper

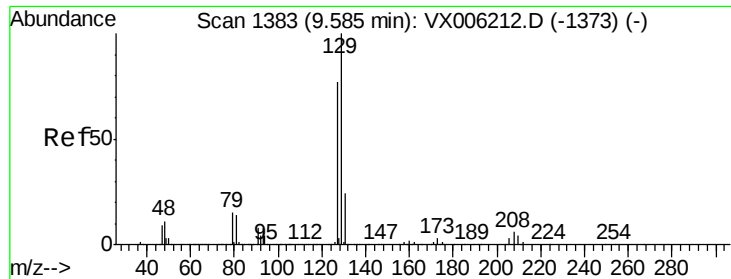
98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

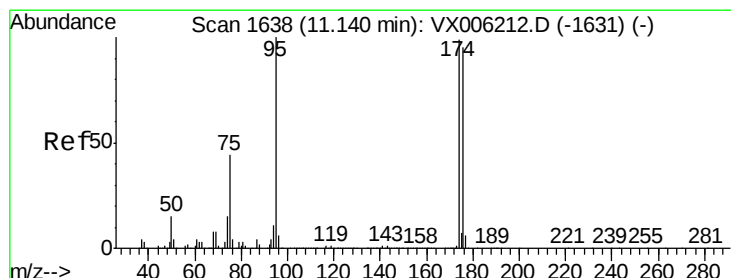
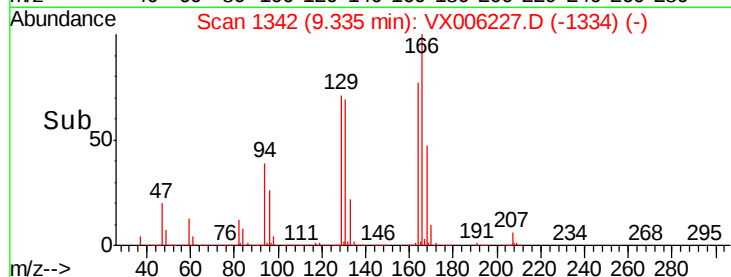
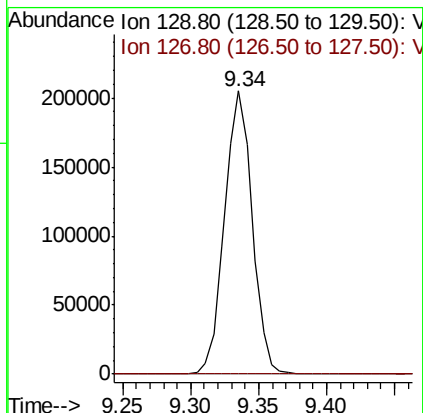
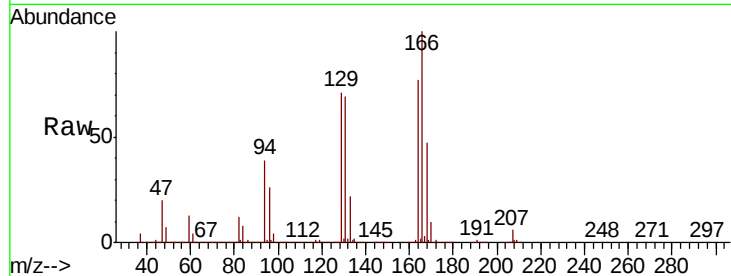




#60
 Dibromochloromethane
 Concen: 24.725 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.25 min
 Lab File: VX006227.D
 Acq: 30 Nov 2018 13:49

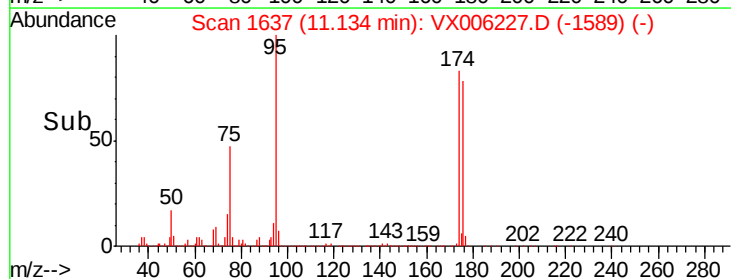
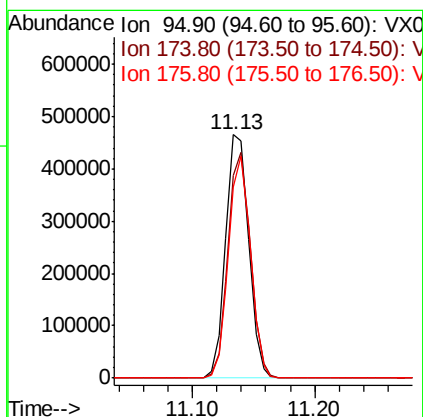
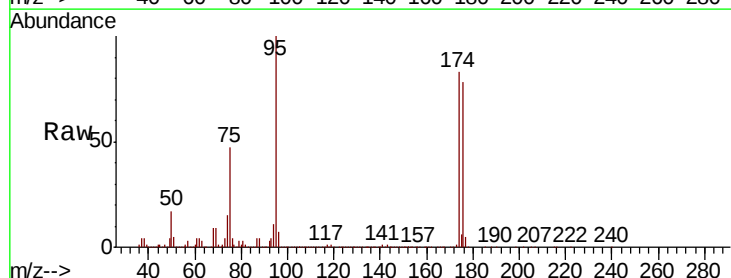
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

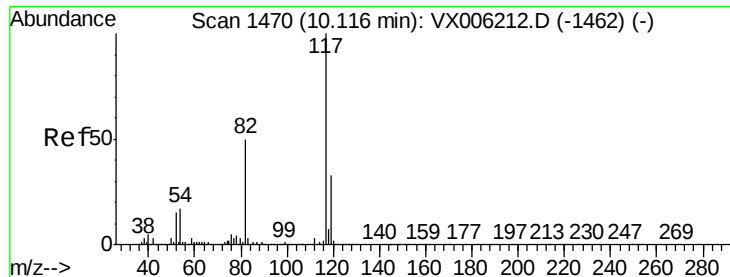
Tot Ion:129 Resp: 288775
 Ion Ratio Lower Upper
 129 100
 127 0.3 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 48.620 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006227.D
 Acq: 30 Nov 2018 13:49

Tgt Ion: 95 Resp: 606253
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 187.0
 176 87.3 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: VX006227.D

Acq: 30 Nov 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

MW-11

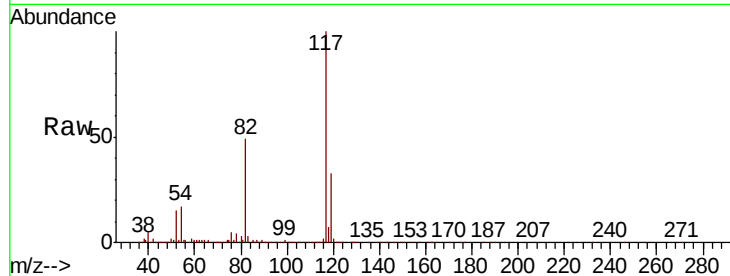
Tot Ion:117 Resp: 1274107

Ion Ratio Lower Upper

117 100

82 49.4 39.6 59.4

119 32.6 26.3 39.5

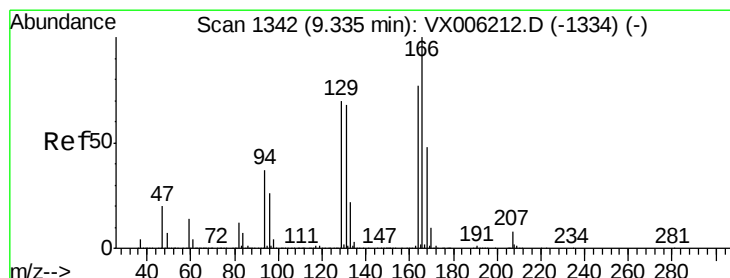
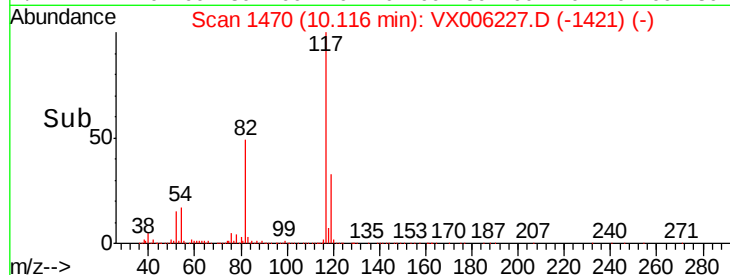
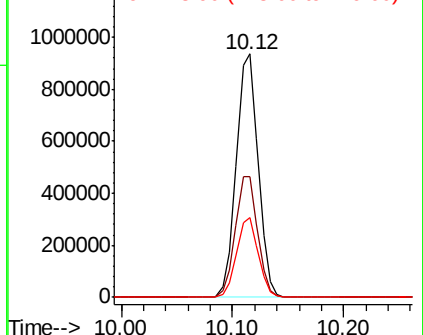


Abundance

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: 33.300 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

Tgt Ion:164 Resp: 319523

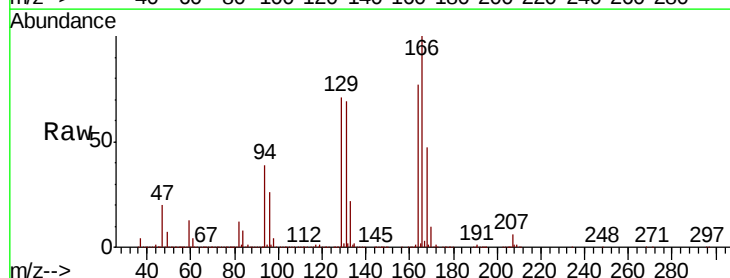
Ion Ratio Lower Upper

164 100

166 129.7 104.2 156.2

129 91.7 72.6 108.8

131 89.1 70.3 105.5



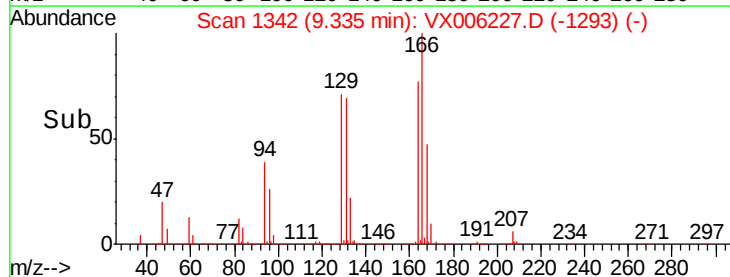
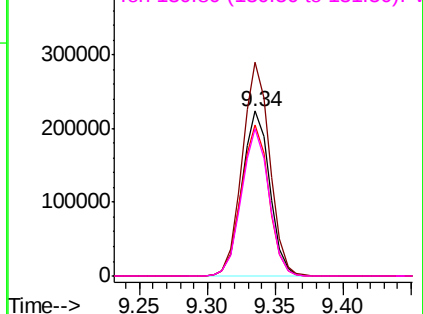
Abundance

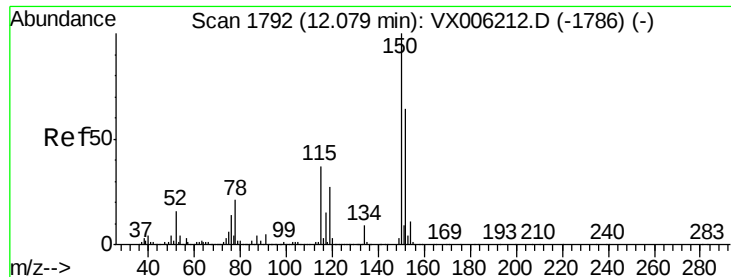
Ion 163.80 (163.50 to 164.50): V

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



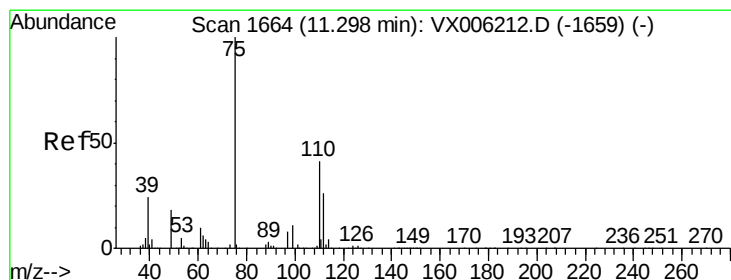
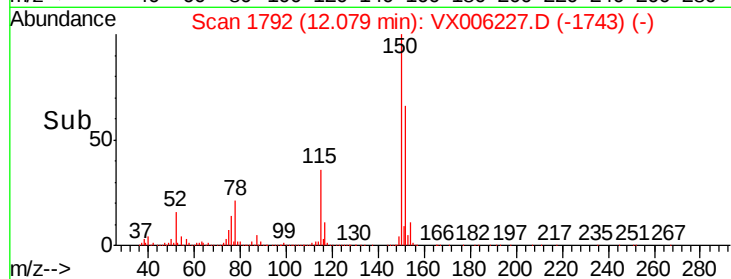
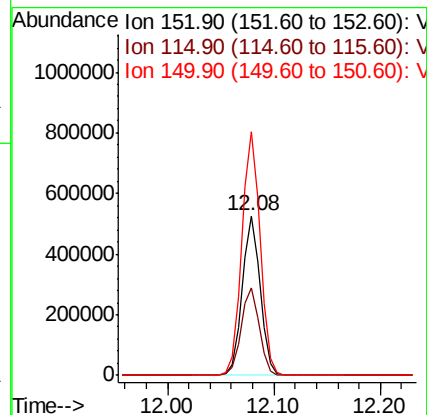
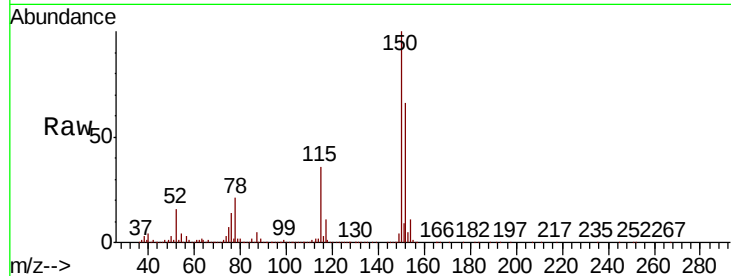


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006227.D
Acq: 30 Nov 2018 13:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11

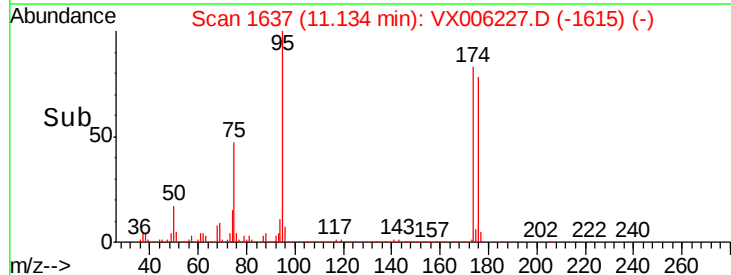
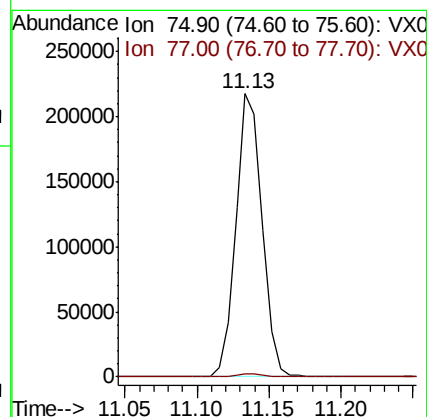
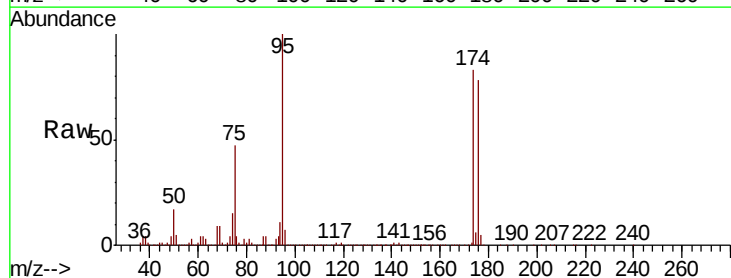
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.0	116.9
150	155.9	0.0	345.8

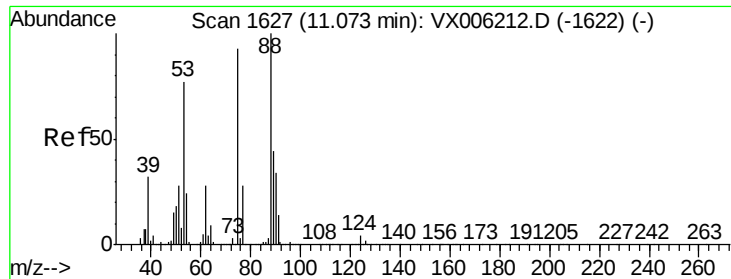


#76

1,2,3-Trichloropropane
Concen: 22.981 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006227.D
Acq: 30 Nov 2018 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.9	59.7





#81

trans-1,4-Dichloro-2-butene

Concen: 53.930 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006227.D

Acq: 30 Nov 2018 13:49

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion: 75 Resp: 276471

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

