

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120318\
 Data File : VX006245.D
 Acq On : 03 Dec 2018 11:37
 Operator : JC/MD
 Sample : J6147-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Dec 04 04:53:38 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	5.66	168	963116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1412186	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1274321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	624461	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	463363	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
35) Dibromofluoromethane	5.51	113	452868	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	8.71	98	1642253	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.13	95	603389	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

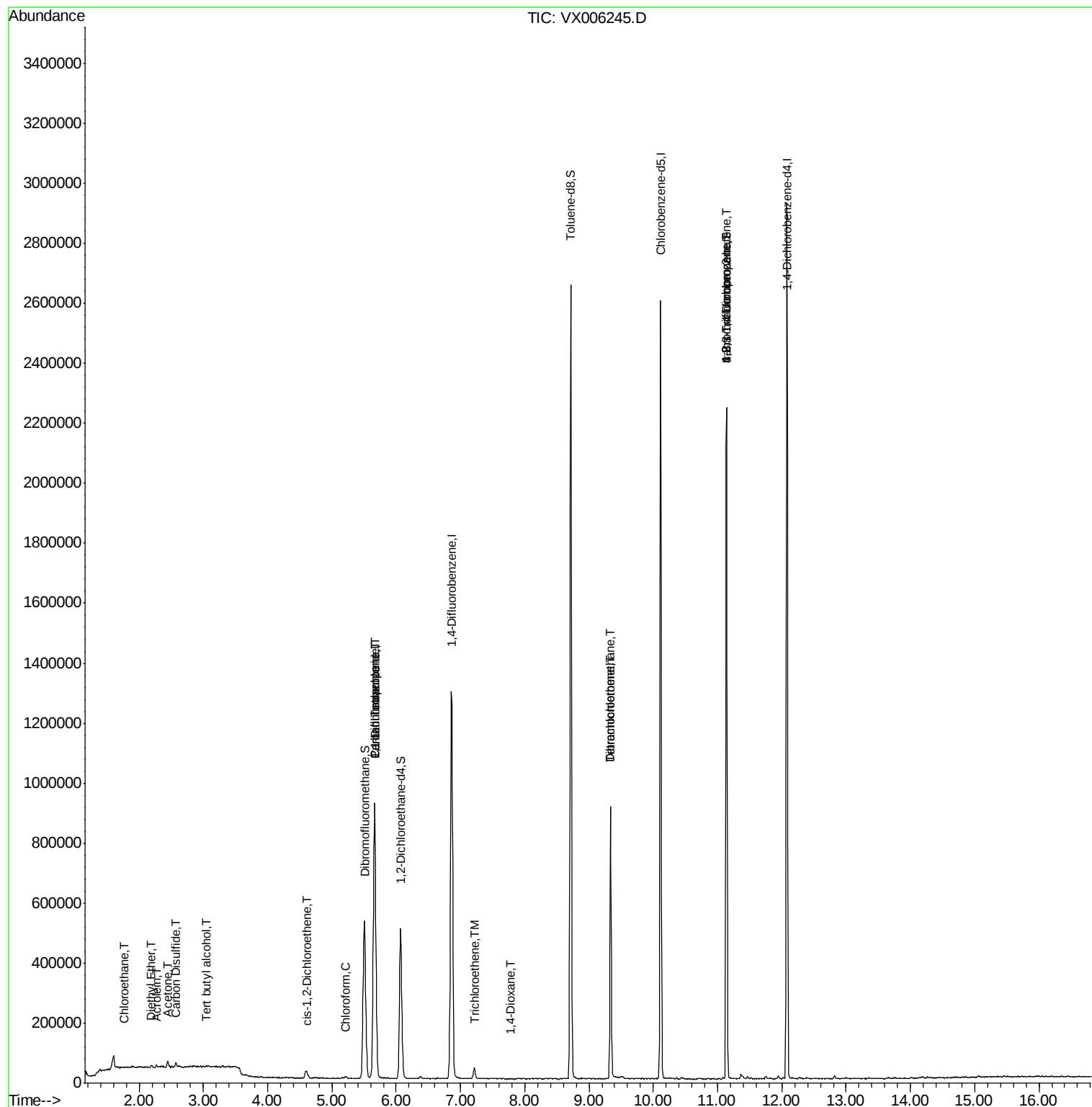
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	2410	0.377	ug/l #	61
8) Diethyl Ether	2.19	74	2815	0.465	ug/l	100
11) Tert butyl alcohol	3.05	59	4012	1.492	ug/l #	85
13) Acrolein	2.28	56	889	0.605	ug/l #	1
16) Acetone	2.45	43	22676	4.915	ug/l	98
17) Carbon Disulfide	2.57	76	17934	0.668	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	16921	1.633	ug/l	92
30) Chloroform	5.21	83	6477	0.401	ug/l	94
36) 1,1-Dichloropropene	5.66	75	56597	4.759	ug/l #	49
38) Carbon Tetrachloride	5.66	117	84041	6.007	ug/l #	16
44) Trichloroethene	7.21	130	15578	1.444	ug/l	86
49) 1,4-Dioxane	7.78	88	134	0.503	ug/l #	50
60) Dibromochloromethane	9.34	129	159315	13.572	ug/l #	11
64) Tetrachloroethene	9.34	164	179516	18.706	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	274982	22.814	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	274982	53.539	ug/l #	15

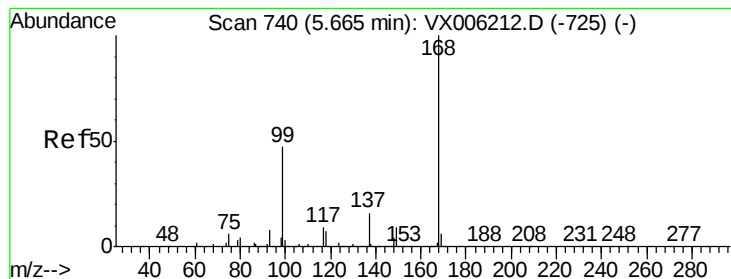
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

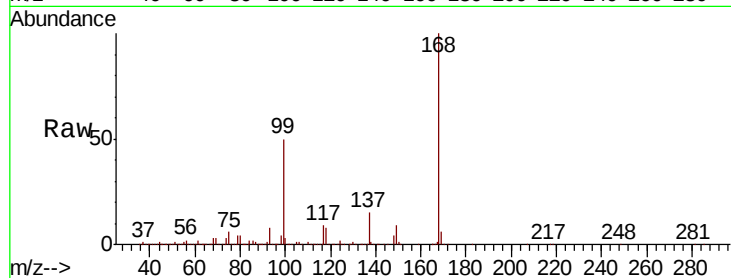
MW-11

Tot Ion:168 Resp: 963116

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

5.66

400000

300000

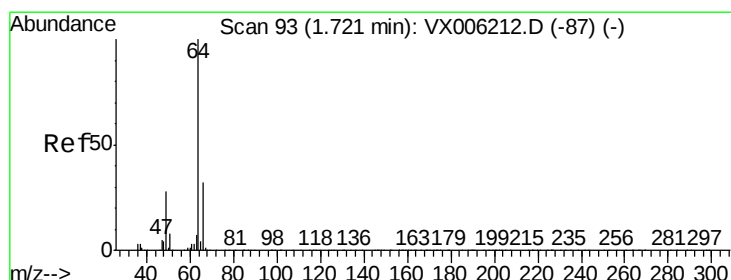
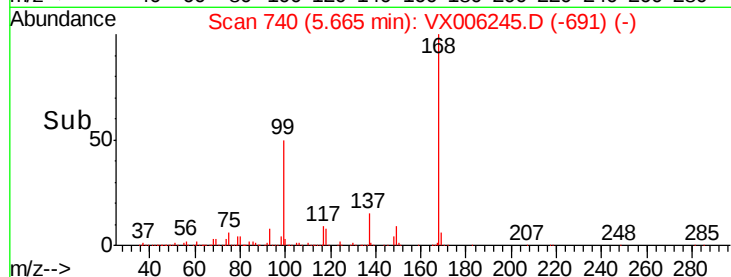
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.377 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX006245.D

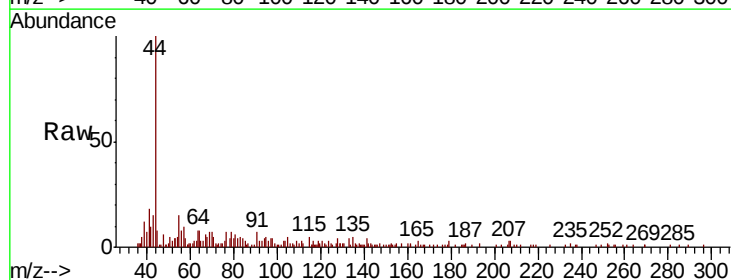
Acq: 03 Dec 2018 11:37

Tgt Ion: 64 Resp: 2410

Ion Ratio Lower Upper

64 100

66 10.7 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

1500

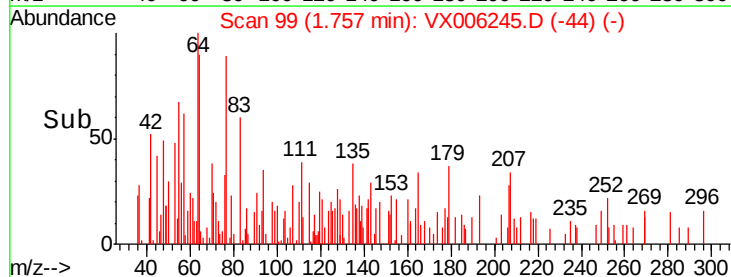
1000

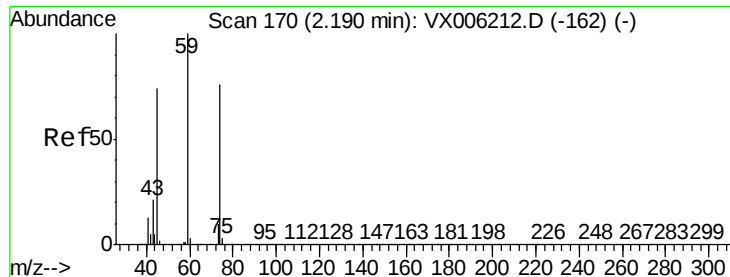
500

0

Time-->

1.70 1.75





#8

Diethyl Ether

Concen: 0.465 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

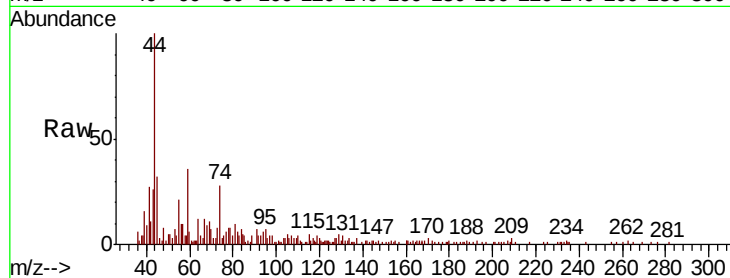
MW-11

Tot Ion: 74 Resp: 2815

Ion Ratio Lower Upper

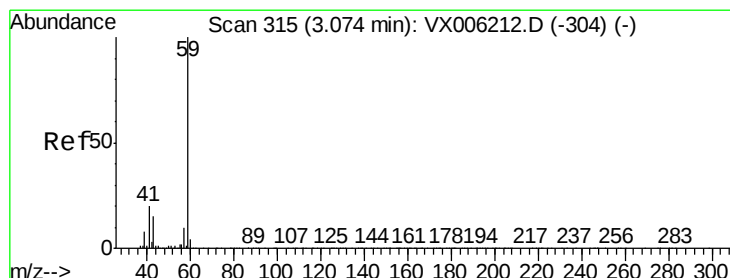
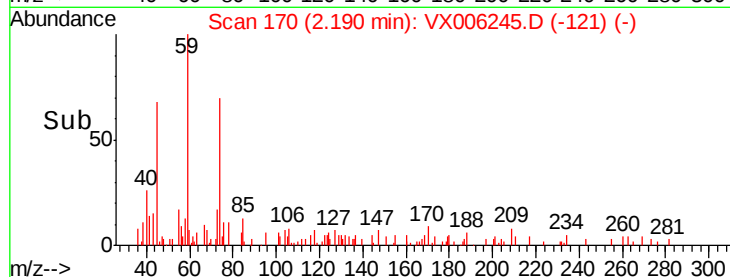
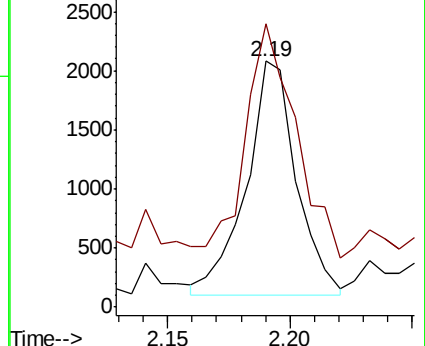
74 100

45 99.3 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.492 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.02 min

Lab File: VX006245.D

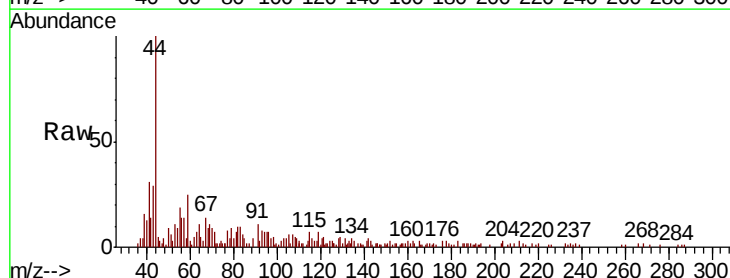
Acq: 03 Dec 2018 11:37

Tgt Ion: 59 Resp: 4012

Ion Ratio Lower Upper

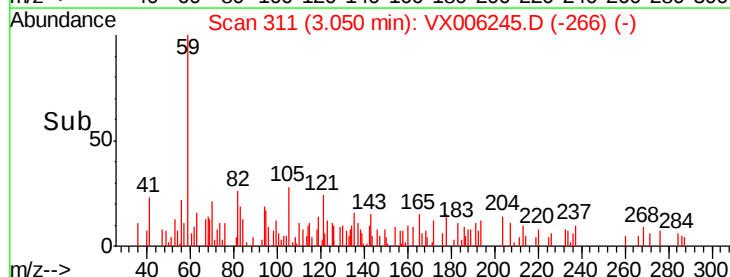
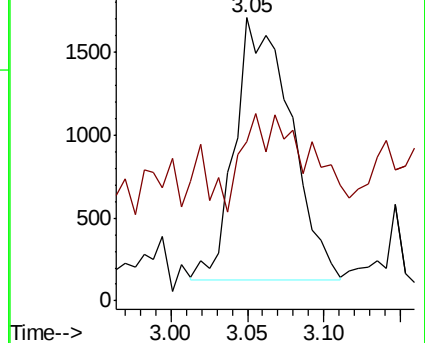
59 100

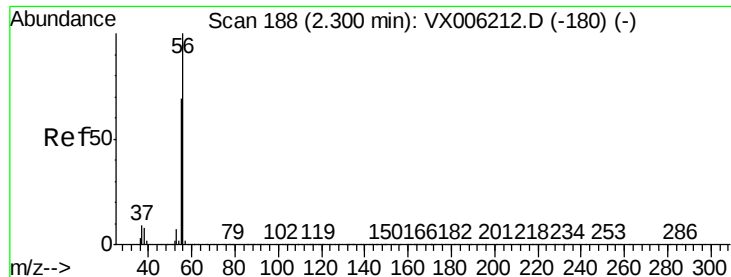
57 15.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

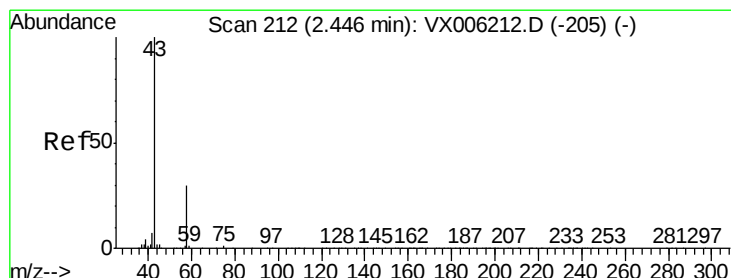
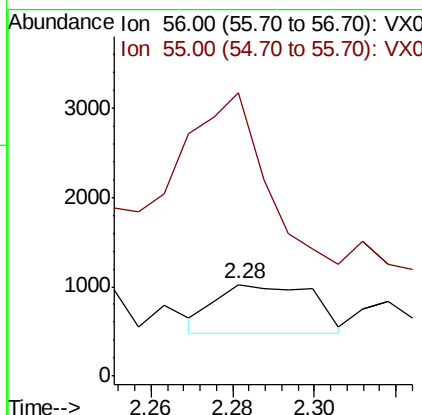
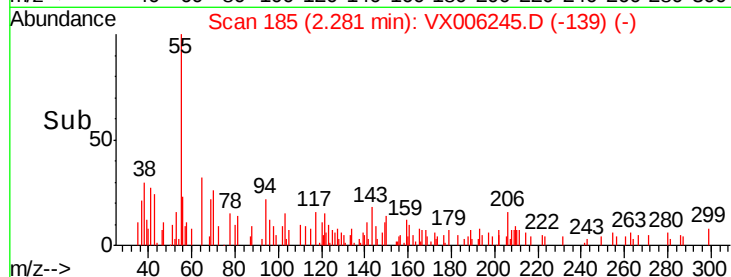
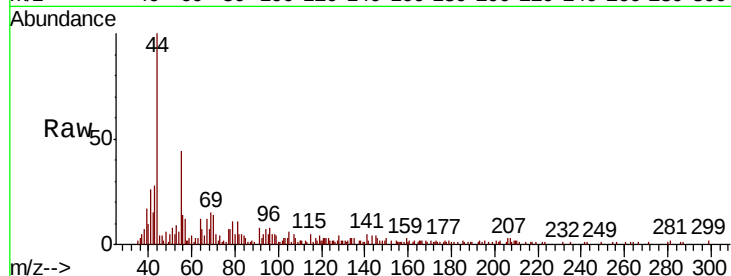




#13
Acrolein
Concen: 0.605 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.02 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

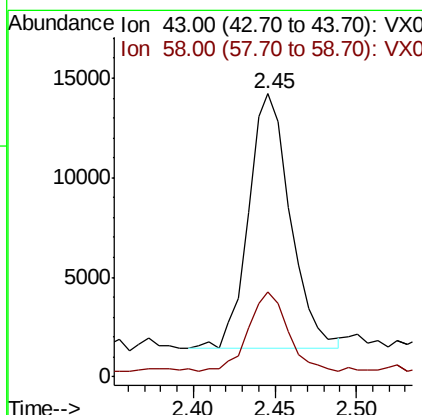
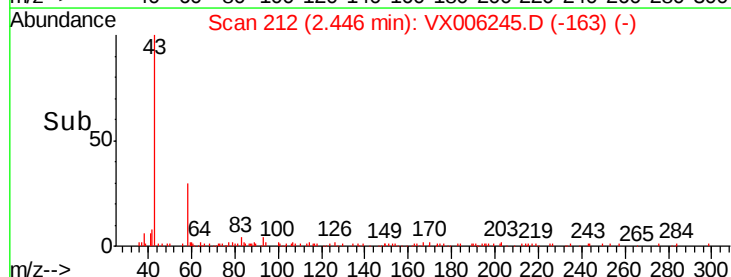
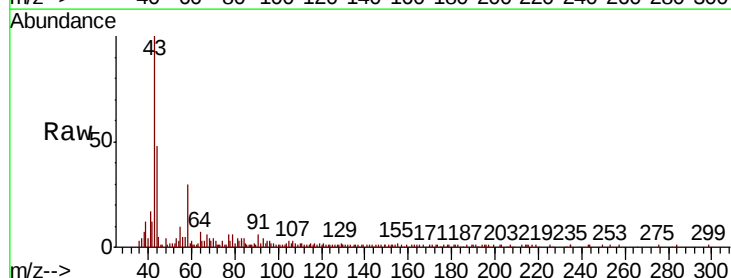
Instrument :
MSVOA_X
ClientSampleId :
MW-11

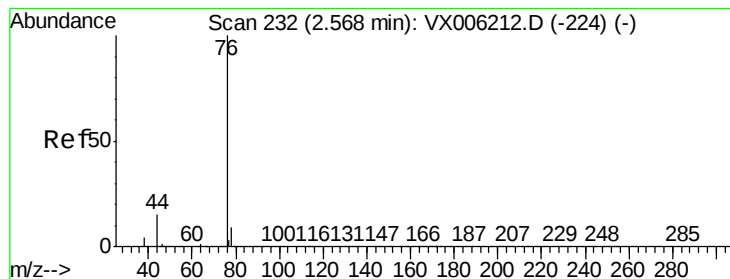
Tot Ion: 56 Resp: 889
Ion Ratio Lower Upper
56 100
55 461.3 57.8 86.6#



#16
Acetone
Concen: 4.915 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

Tgt Ion: 43 Resp: 22676
Ion Ratio Lower Upper
43 100
58 31.2 24.0 36.0





#17

Carbon Disulfide

Concen: 0.668 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

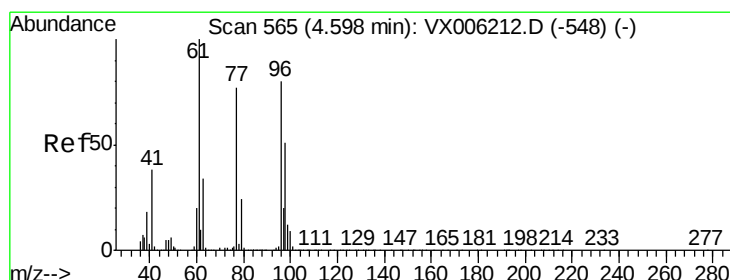
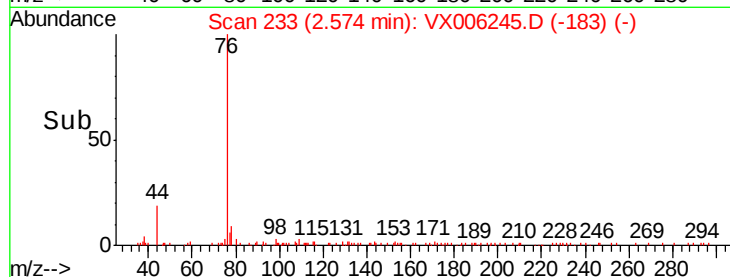
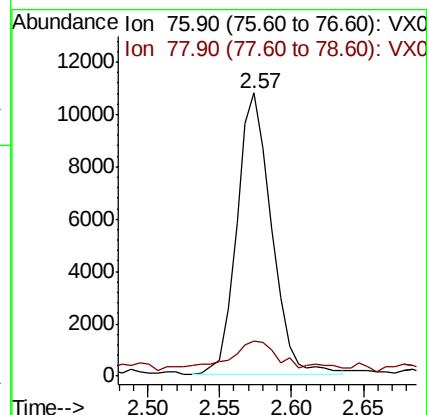
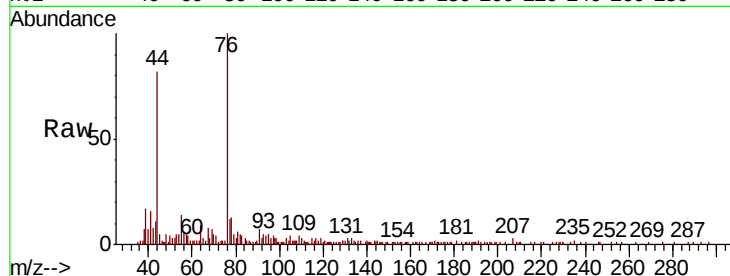
MW-11

Tot Ion: 76 Resp: 17934

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#27

cis-1,2-Dichloroethene

Concen: 1.633 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

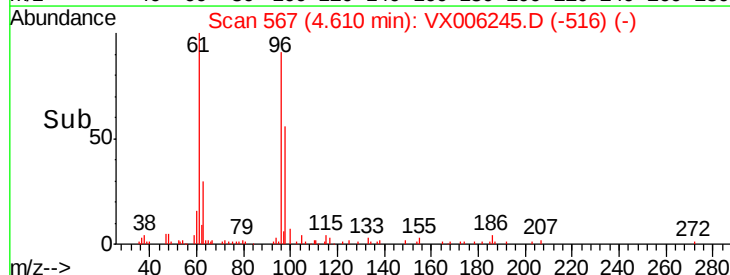
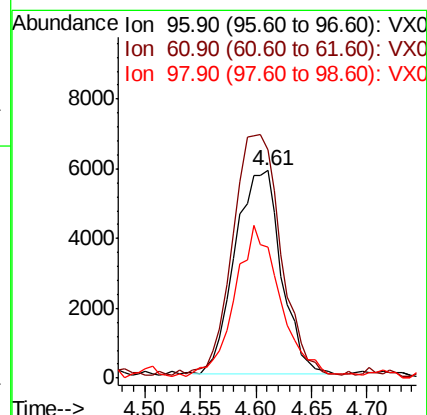
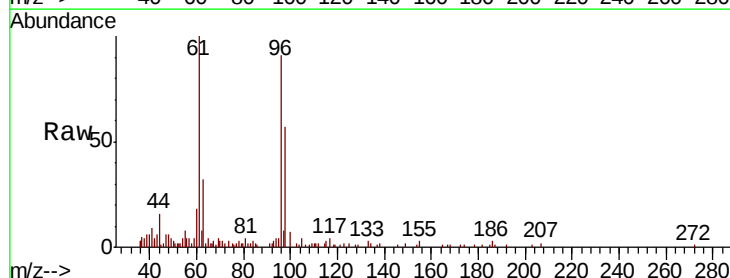
Tgt Ion: 96 Resp: 16921

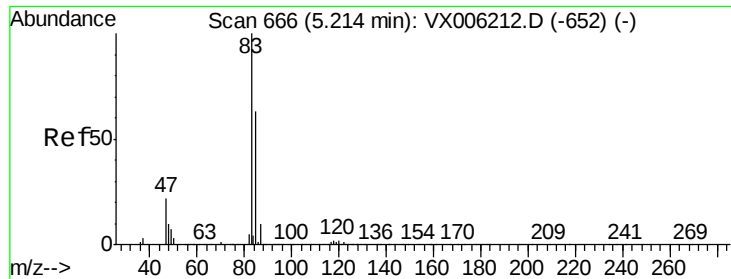
Ion Ratio Lower Upper

96 100

61 123.9 0.0 265.0

98 72.4 0.0 130.2

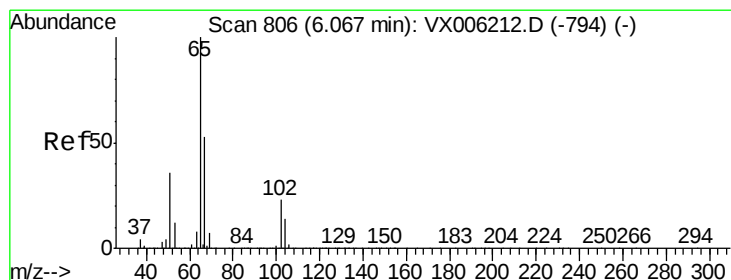
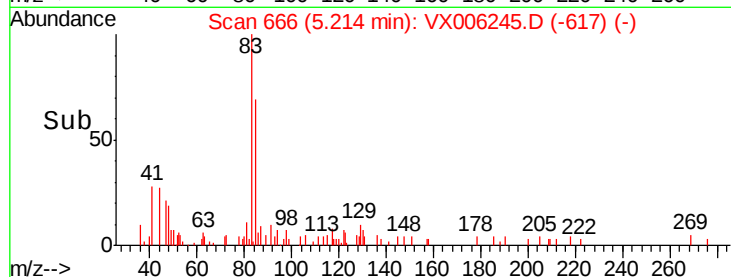
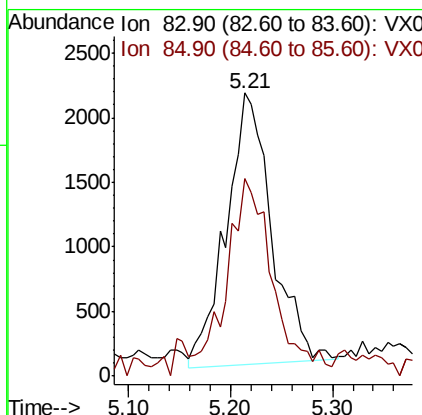
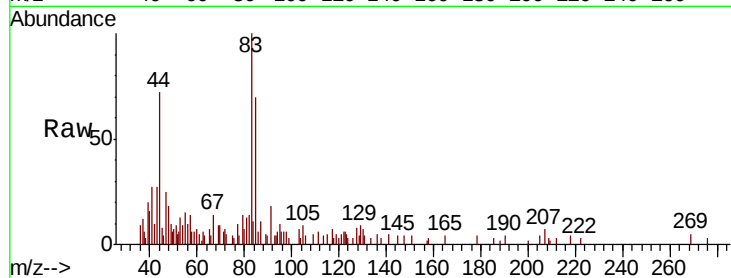




#30
Chloroform
Concen: 0.401 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

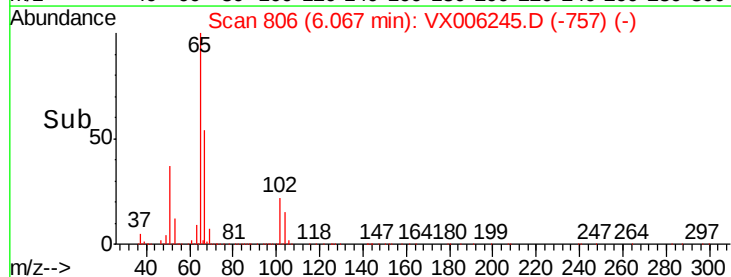
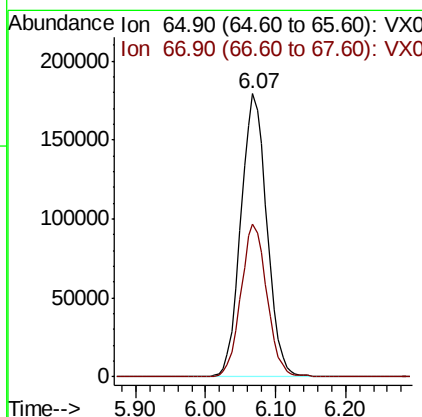
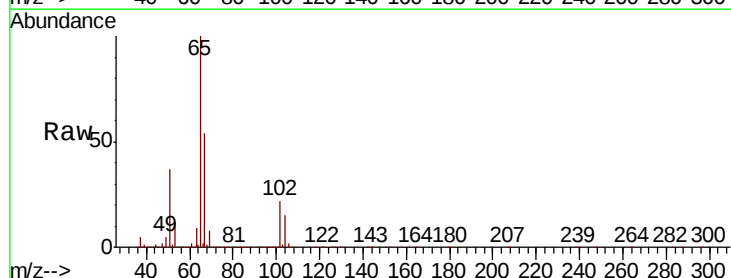
Instrument :
MSVOA_X
ClientSampleId :
MW-11

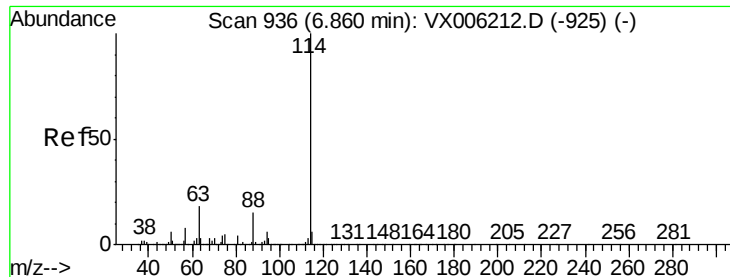
Tot Ion: 83 Resp: 6477
Ion Ratio Lower Upper
83 100
85 67.2 50.3 75.5



#33
1,2-Dichloroethane-d4
Concen: 47.129 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

Tgt Ion: 65 Resp: 463363
Ion Ratio Lower Upper
65 100
67 53.7 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: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

MW-11

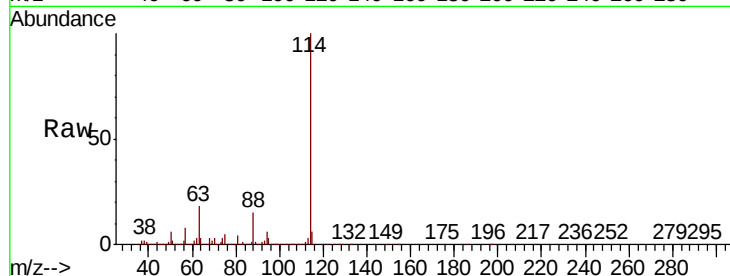
Tot Ion:114 Resp: 1412186

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

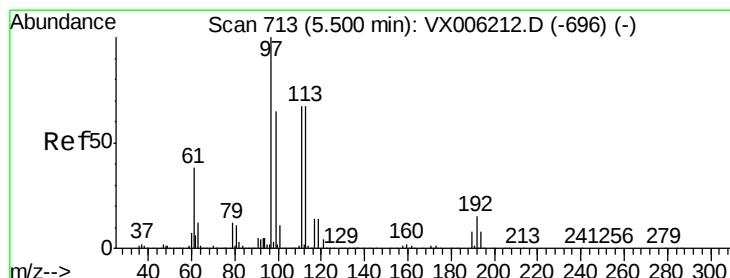
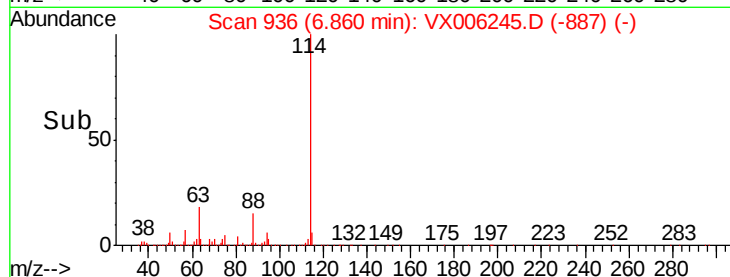
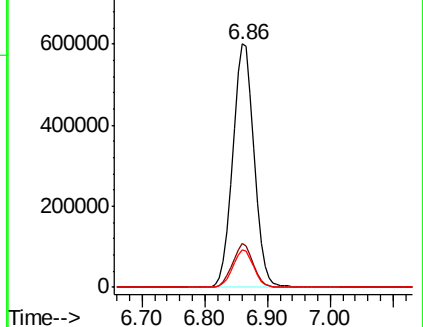
88 15.5 0.0 29.0



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: 49.530 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

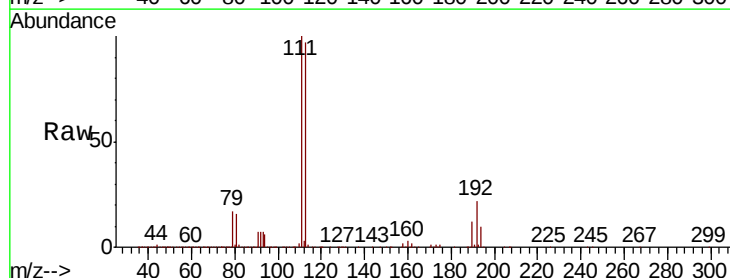
Tgt Ion:113 Resp: 452868

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

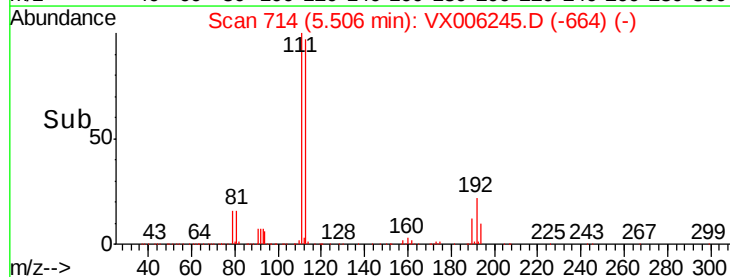
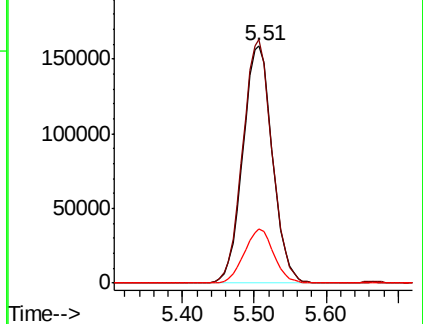
192 22.7 18.2 27.2

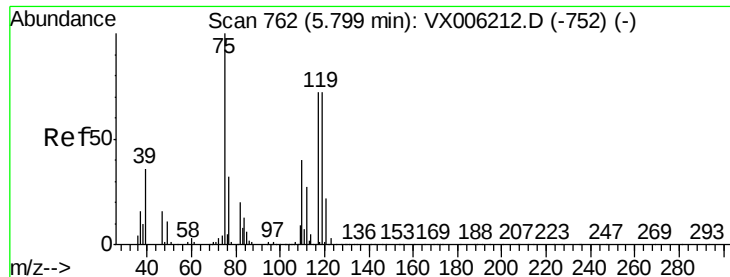


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.759 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampled :

MW-11

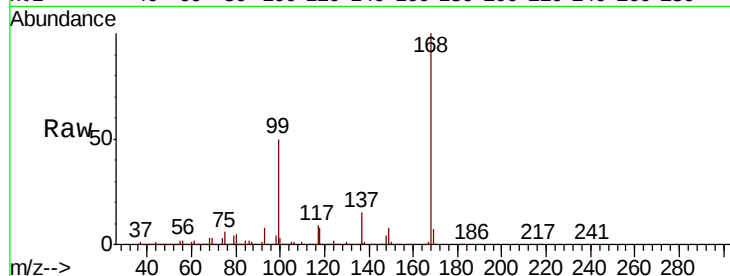
Tot Ion: 75 Resp: 56597

Ion Ratio Lower Upper

75 100

110 11.4 20.4 61.3#

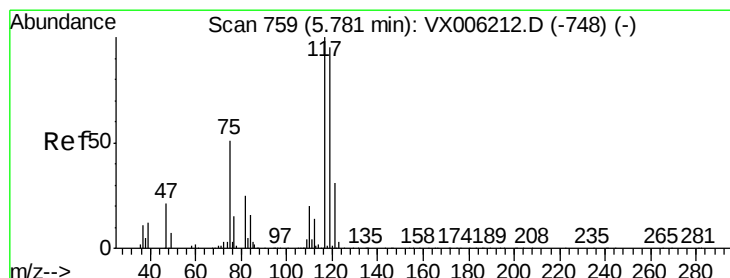
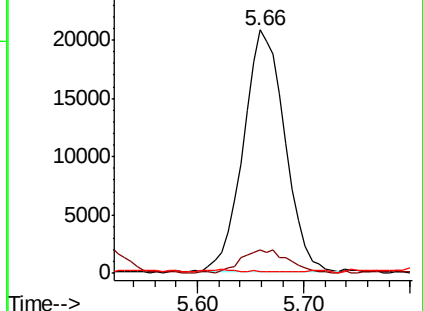
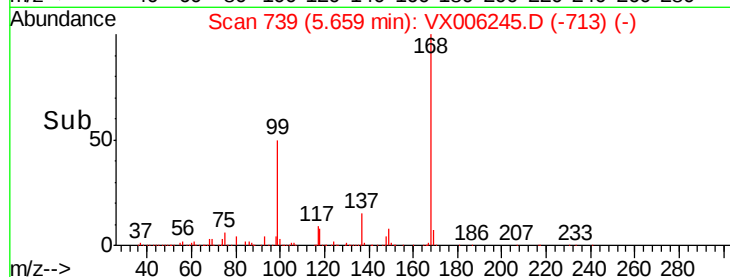
77 0.2 24.9 37.3#



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: 6.007 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

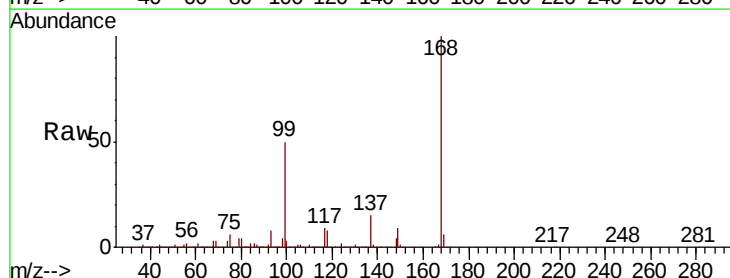
Tgt Ion: 117 Resp: 84041

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

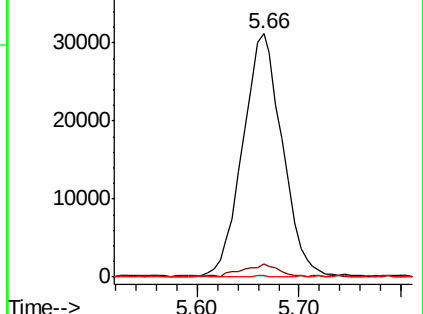
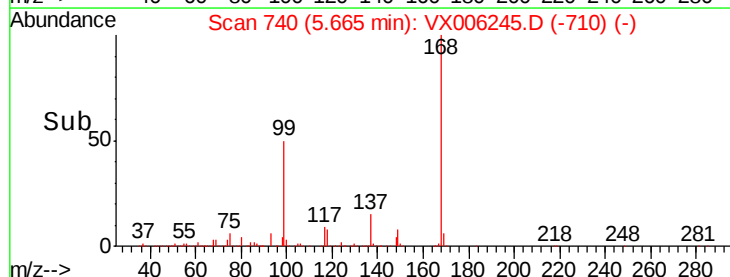
121 0.6 24.6 37.0#

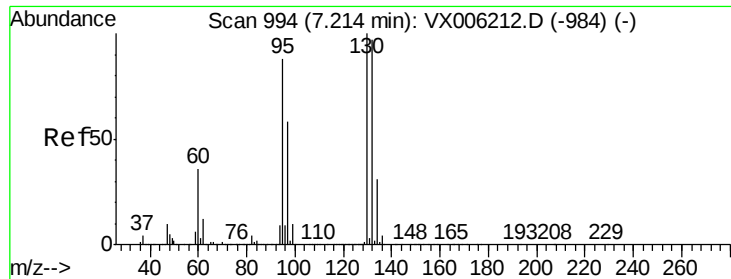


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1.444 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

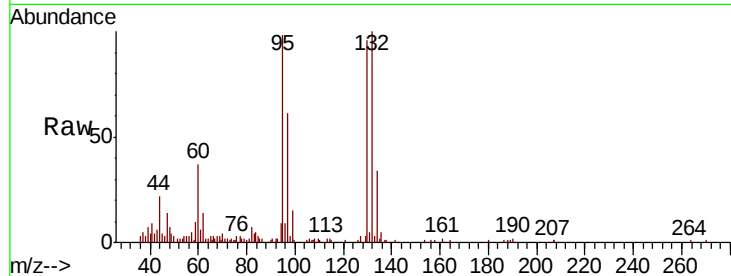
MW-11

Tot Ion:130 Resp: 15578

Ion Ratio Lower Upper

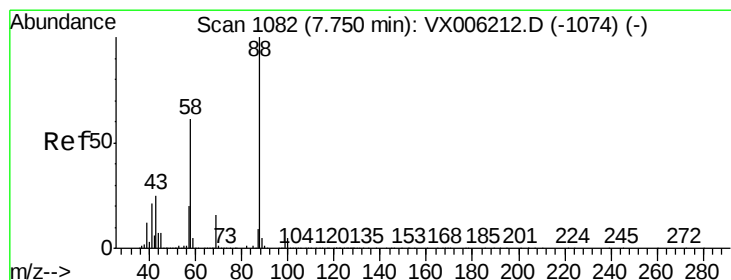
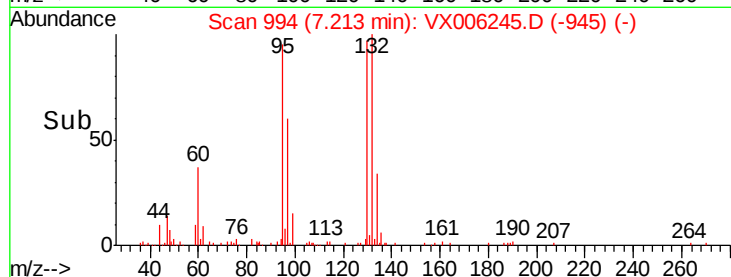
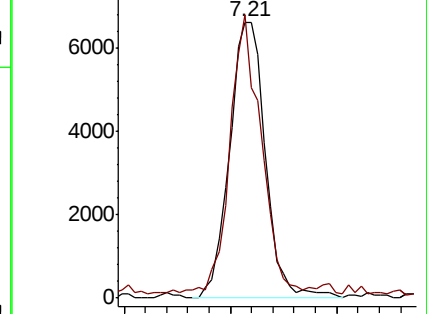
130 100

95 100.8 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: 0.503 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

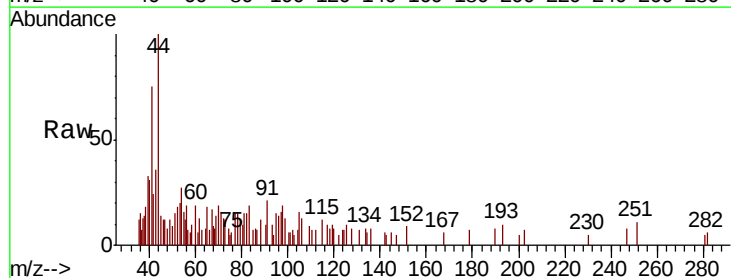
Tgt Ion: 88 Resp: 134

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

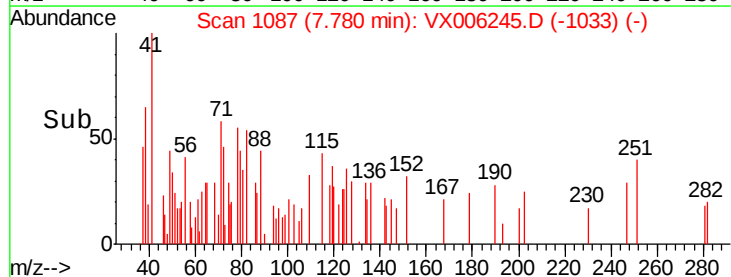
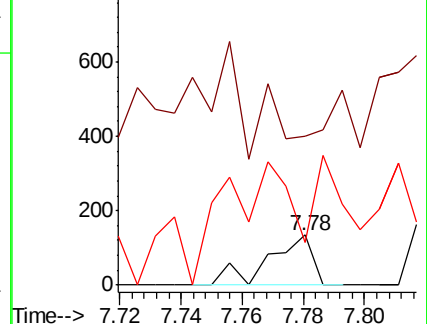
58 101.5 51.4 77.0#

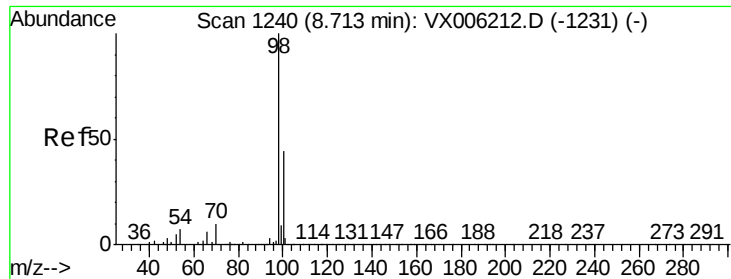


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

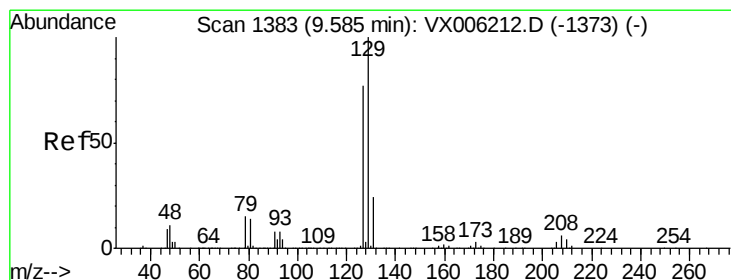
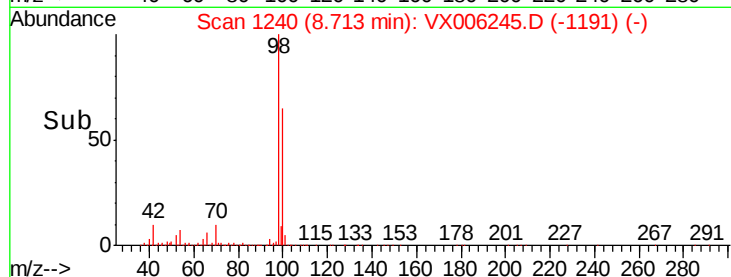
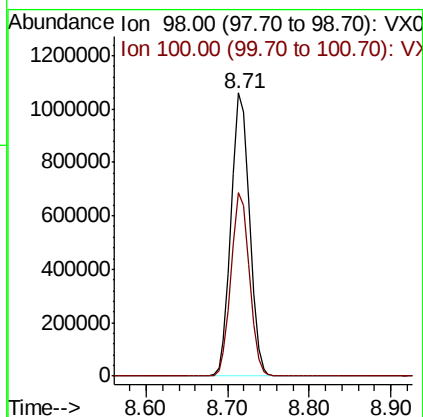
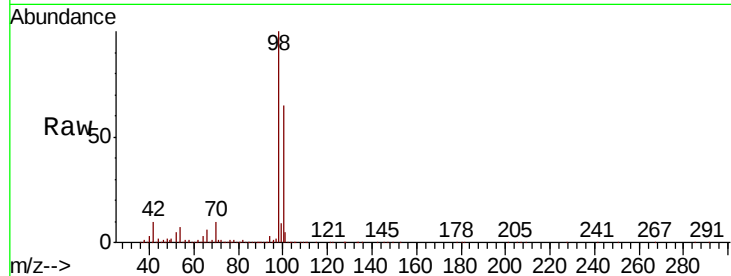




#50
Toluene-d8
Concen: 49.379 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

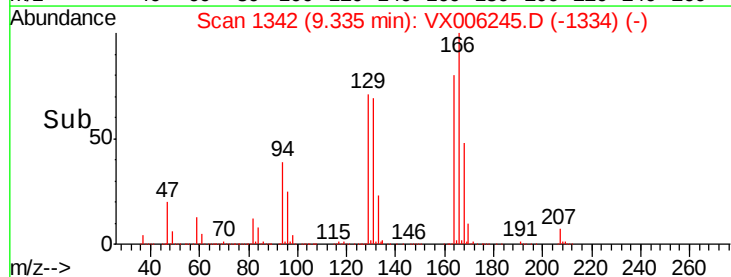
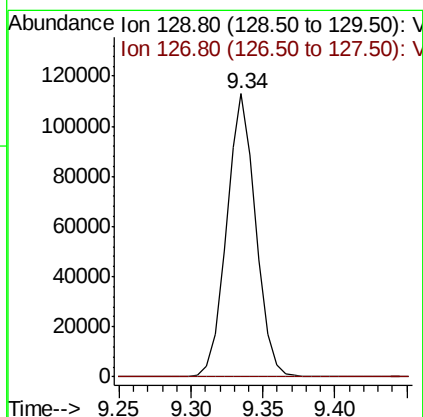
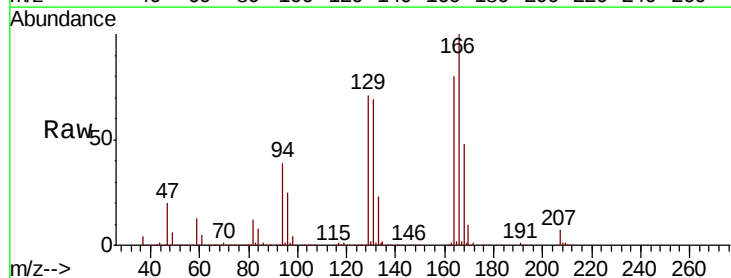
Instrument :
MSVOA_X
ClientSampleId :
MW-11

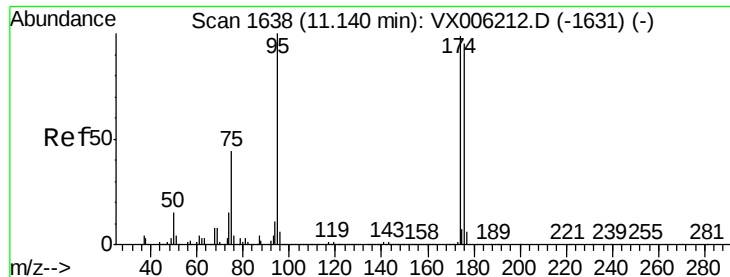
Tot Ion: 98 Resp: 1642253
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#60
Dibromochloromethane
Concen: 13.572 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

Tgt Ion: 129 Resp: 159315
Ion Ratio Lower Upper
129 100
127 0.3 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 48.145 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

MW-11

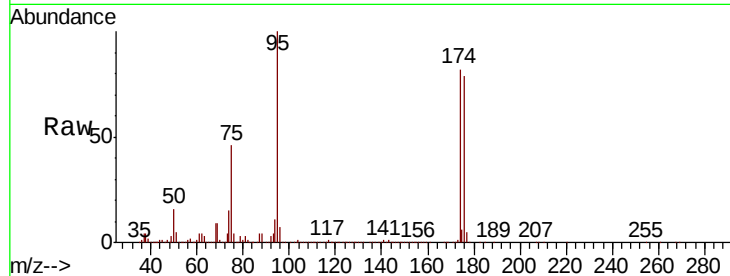
Tot Ion: 95 Resp: 603389

Ion Ratio Lower Upper

95 100

174 91.3 0.0 187.0

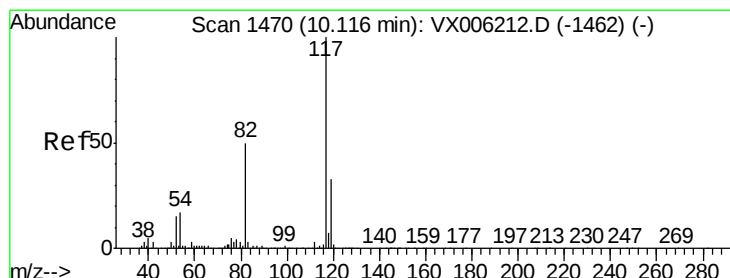
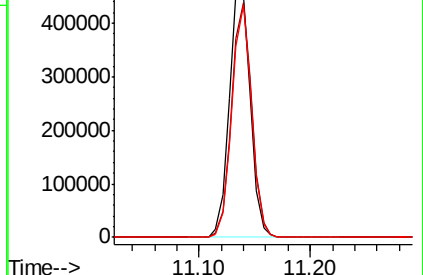
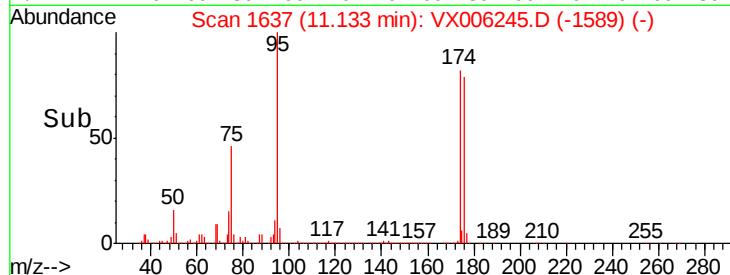
176 88.7 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

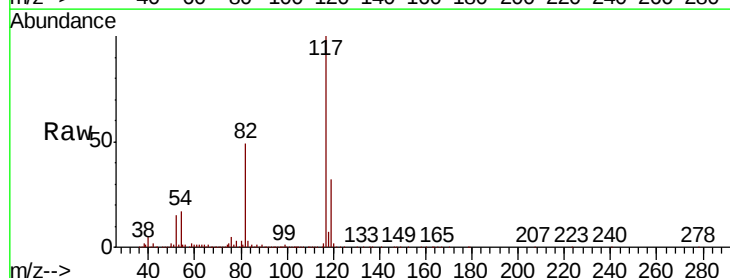
Tgt Ion: 117 Resp: 1274321

Ion Ratio Lower Upper

117 100

82 49.1 39.6 59.4

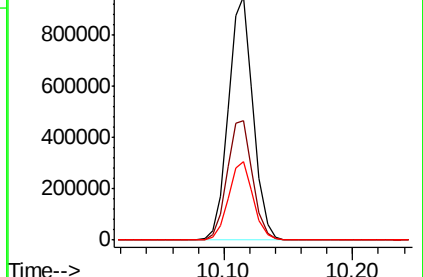
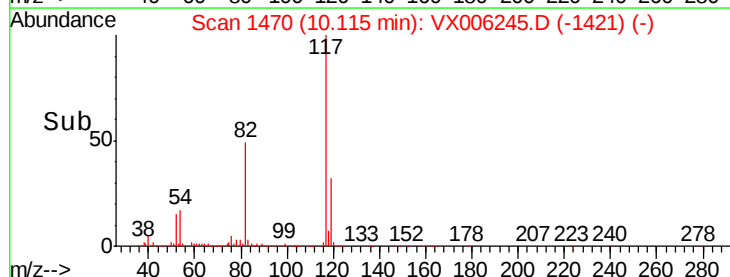
119 32.2 26.3 39.5

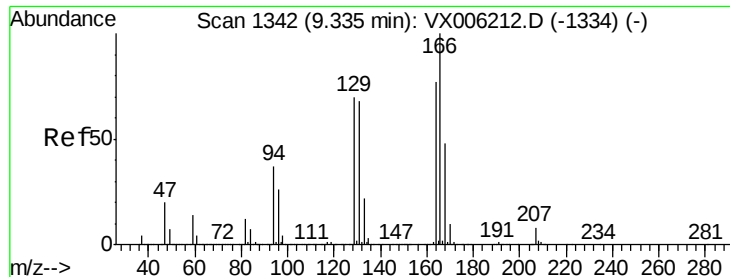


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

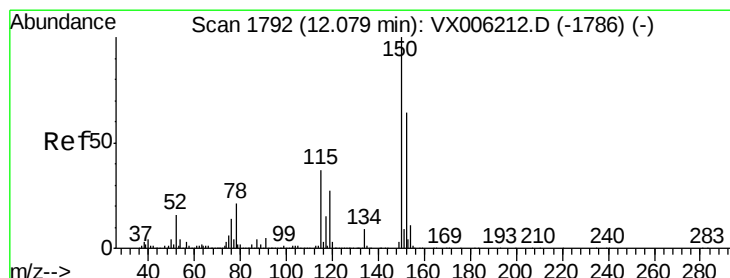
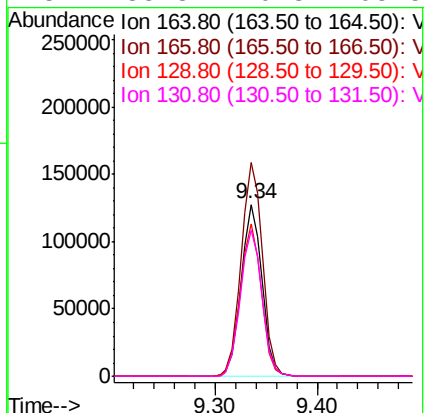
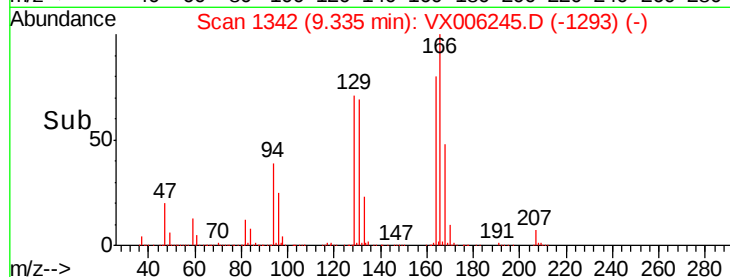
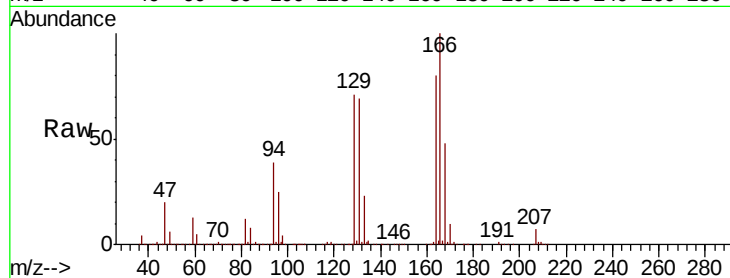




#64
Tetrachloroethene
Concen: 18.706 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

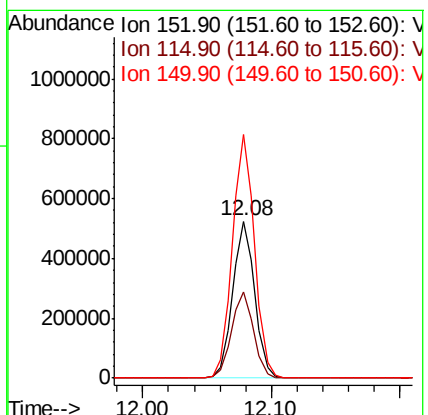
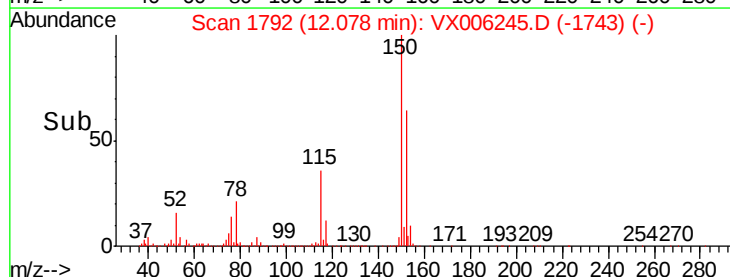
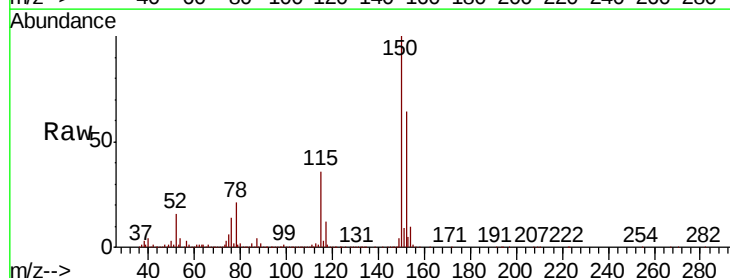
Instrument :
MSVOA_X
ClientSampleId :
MW-11

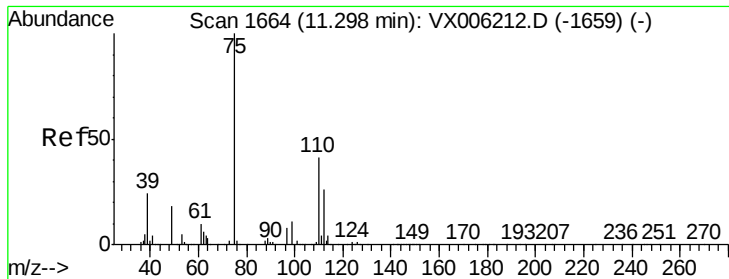
Tot Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.2	156.2
129	88.4	72.6	108.8
131	85.3	70.3	105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006245.D
Acq: 03 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.0	116.9
150	156.6	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 22.814 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

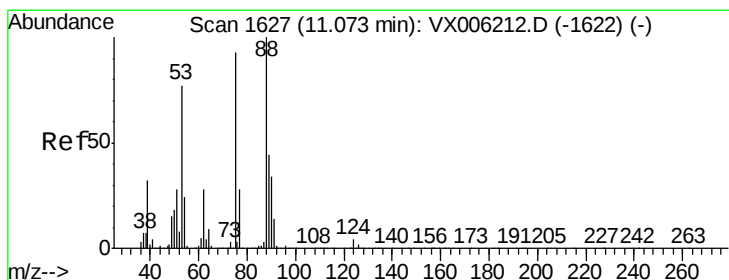
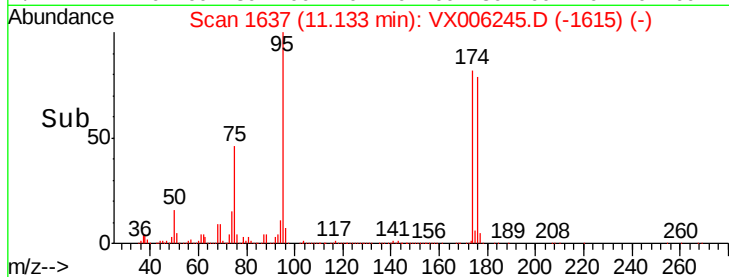
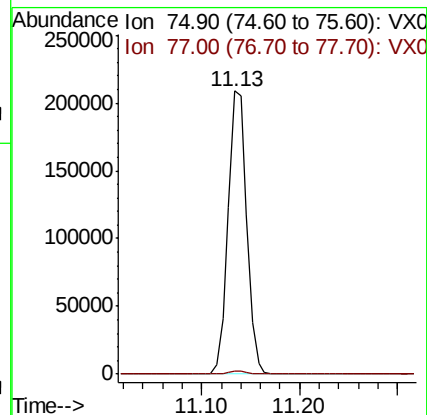
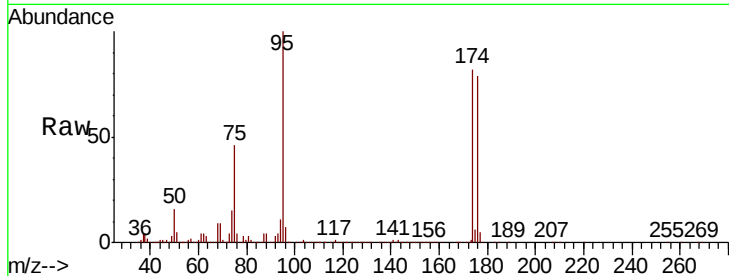
MW-11

Tot Ion: 75 Resp: 274982

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.539 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006245.D

Acq: 03 Dec 2018 11:37

Tgt Ion: 75 Resp: 274982

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#

