

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006828.D
 Acq On : 26 Dec 2018 19:35
 Operator : JC/MD
 Sample : J6549-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Dec 27 03:07:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	720249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1058420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	954363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	460979	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	360898	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.98%	
35) Dibromofluoromethane	5.51	113	316810	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	1239527	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	436001	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	

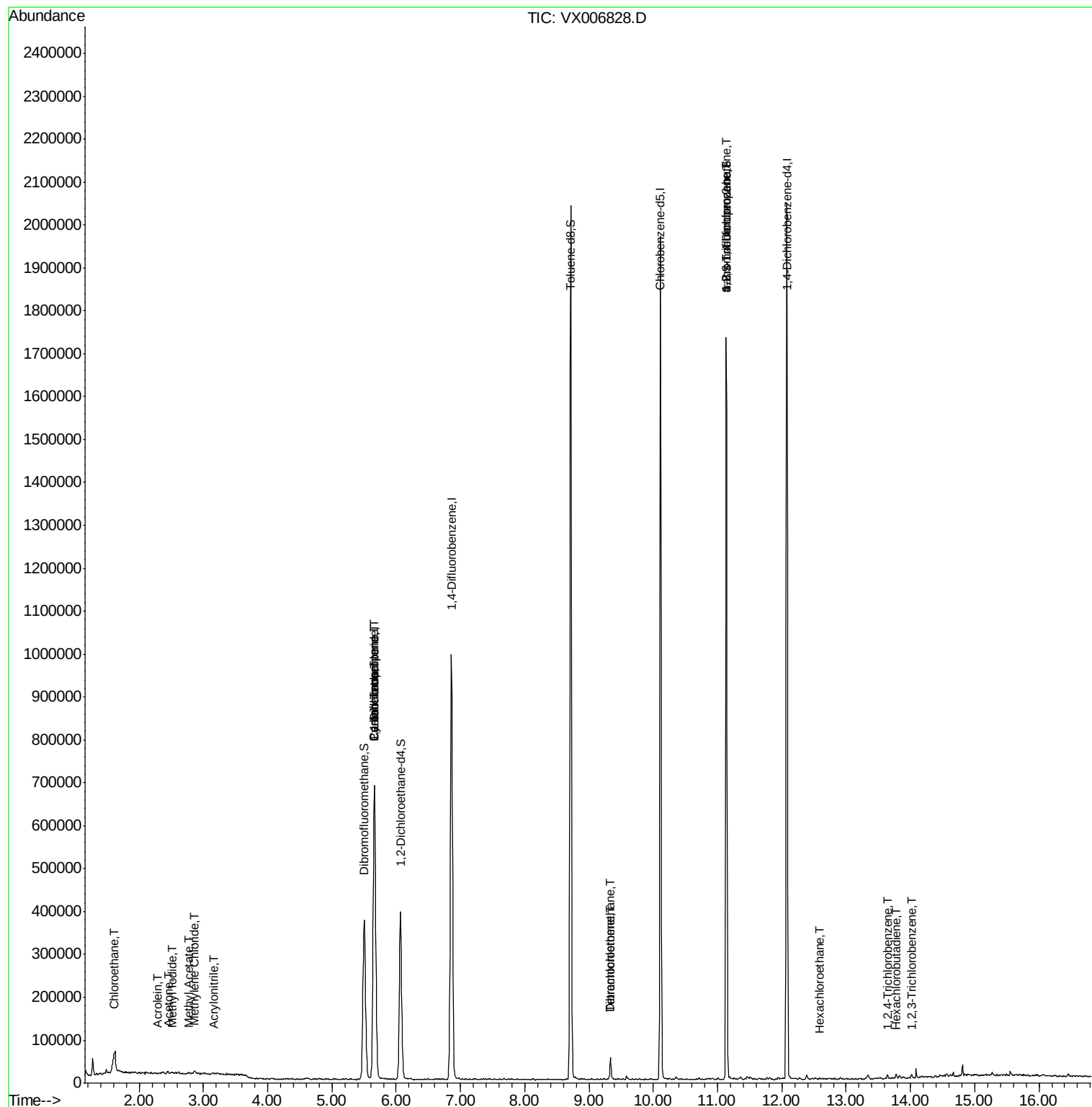
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1337	Below Cal	#	65
6) Chloroethane	1.61	64	19187	3.738	ug/l #	47
10) Methyl Iodide	2.51	142	3071	0.316	ug/l #	86
13) Acrolein	2.28	56	488	0.418	ug/l #	55
15) Acrylonitrile	3.15	53	779	0.203	ug/l #	14
16) Acetone	2.45	43	4731	1.327	ug/l #	89
18) Methyl Acetate	2.78	43	3413	0.325	ug/l	98
20) Methylene Chloride	2.86	84	3127	0.424	ug/l #	88
28) Bromochloromethane	5.02	49	316	Below Cal	#	54
31) Cyclohexane	5.67	56	12648	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	46163	5.266	ug/l #	48
38) Carbon Tetrachloride	5.66	117	65015	7.631	ug/l #	15
49) 1,4-Dioxane	7.74	88	93	Below Cal	#	1
60) Dibromochloromethane	9.33	129	9193	3.514	ug/l #	10
64) Tetrachloroethene	9.34	164	10359	1.371	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	208279	24.312	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	208279	71.958	ug/l #	10
90) Hexachloroethane	12.60	117	354	3.369	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	2448	0.231	ug/l	91
94) Hexachlorobutadiene	13.78	225	1397	0.280	ug/l	92
96) 1,2,3-Trichlorobenzene	14.02	180	2374	0.217	ug/l	86

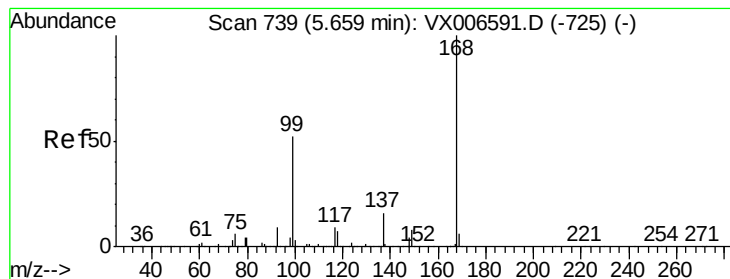
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

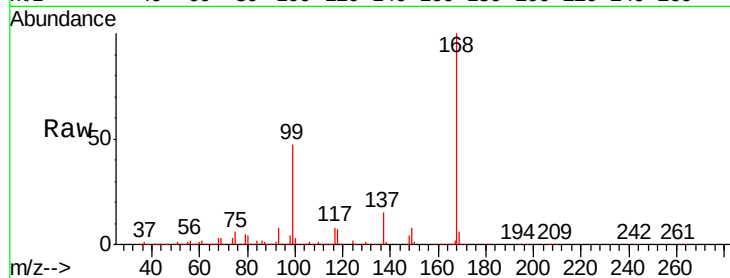
MW-7

Tgt Ion:168 Resp: 720249

Ion Ratio Lower Upper

168 100

99 46.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

250000

200000

150000

100000

50000

0

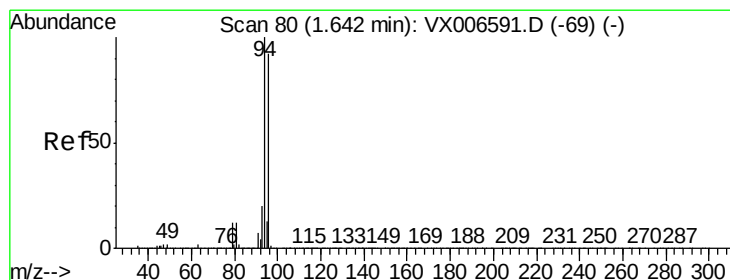
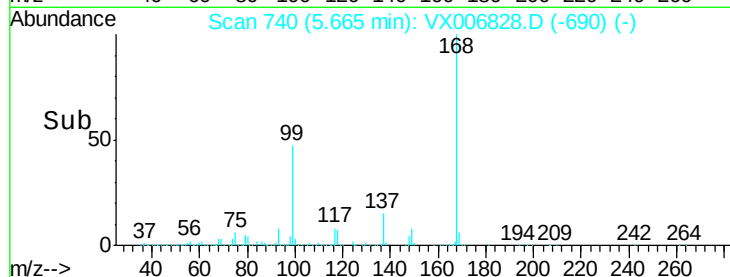
5.50

5.60

5.70

5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006828.D

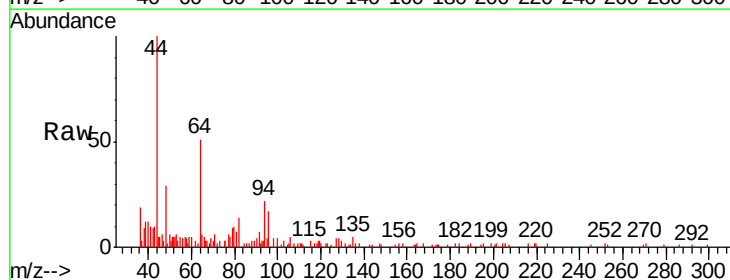
Acq: 26 Dec 2018 19:35

Tgt Ion: 94 Resp: 1337

Ion Ratio Lower Upper

94 100

96 58.7 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

600

400

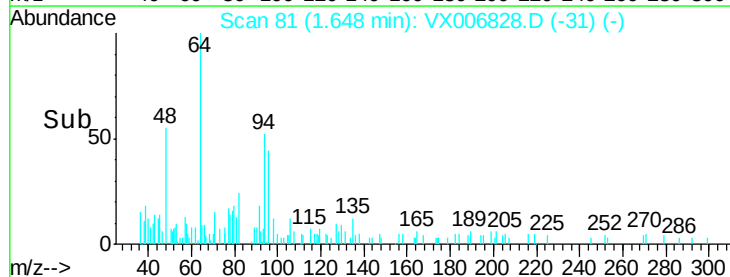
200

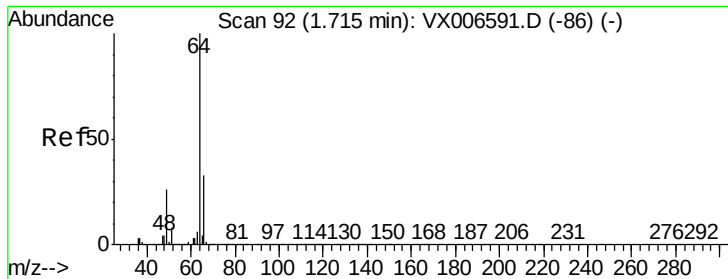
0

1.60

1.65

Time-->





#6

Chloroethane

Concen: 3.738 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

Instrument :

MSVOA_X

ClientSampled :

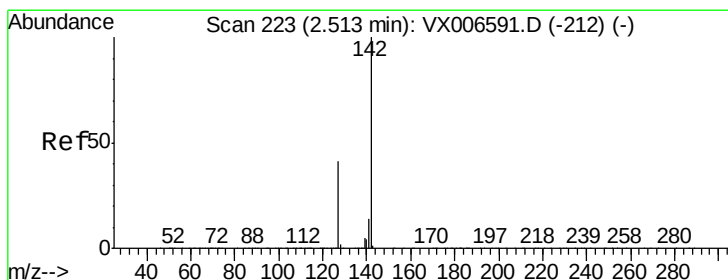
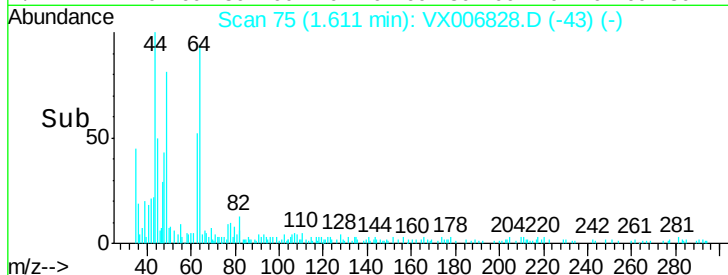
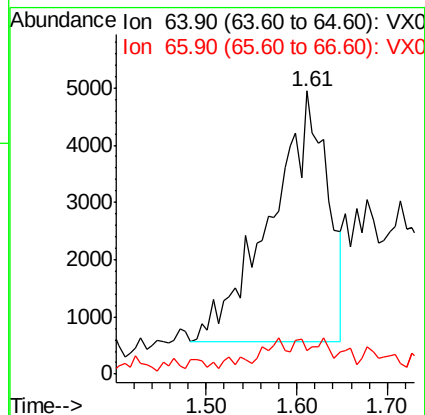
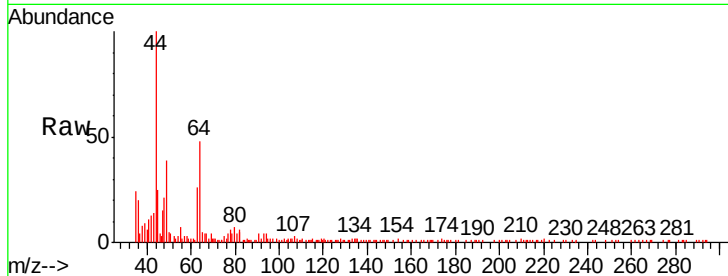
MW-7

Tgt Ion: 64 Resp: 19187

Ion Ratio Lower Upper

64 100

66 3.3 26.4 39.6#



#10

Methyl Iodide

Concen: 0.316 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

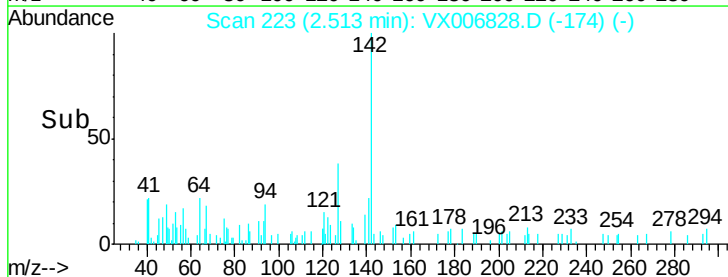
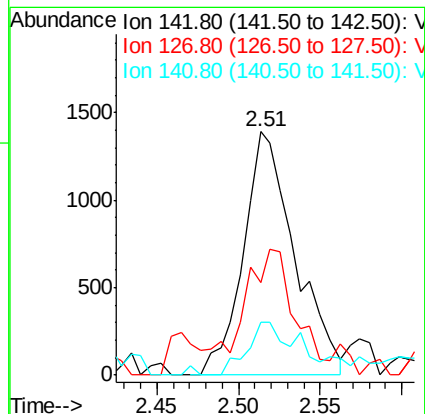
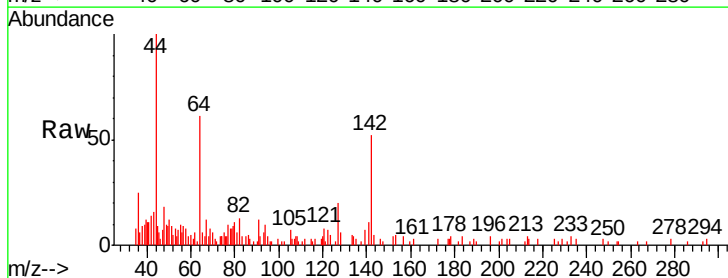
Tgt Ion: 142 Resp: 3071

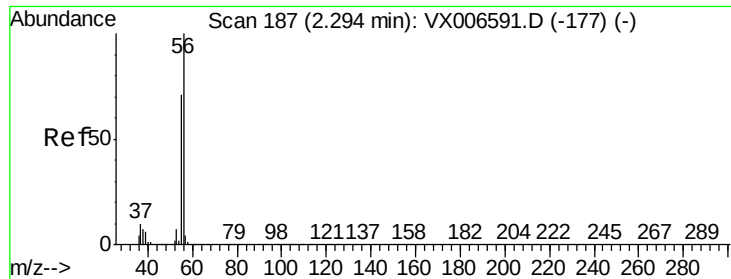
Ion Ratio Lower Upper

142 100

127 50.7 33.9 50.9

141 20.6 11.4 17.0#





#13

Acrolein

Concen: 0.418 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

Instrument :

MSVOA_X

ClientSampled :

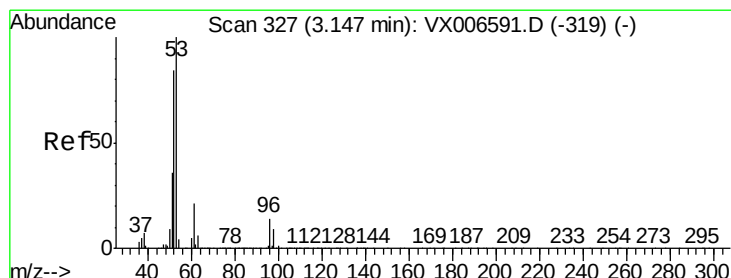
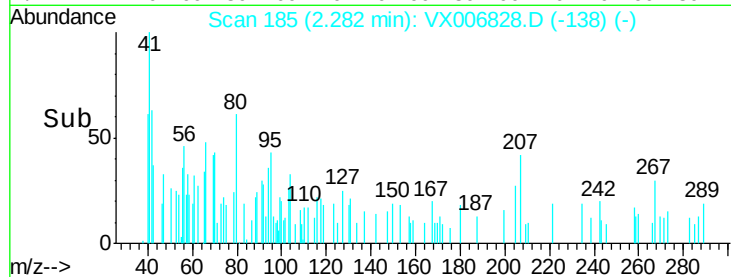
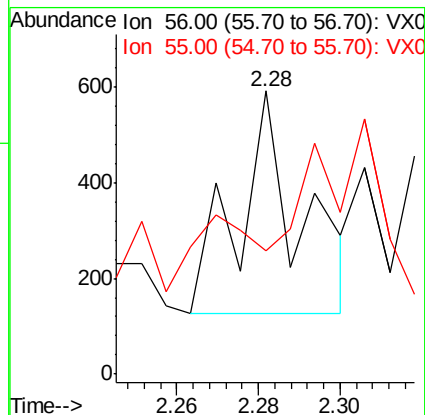
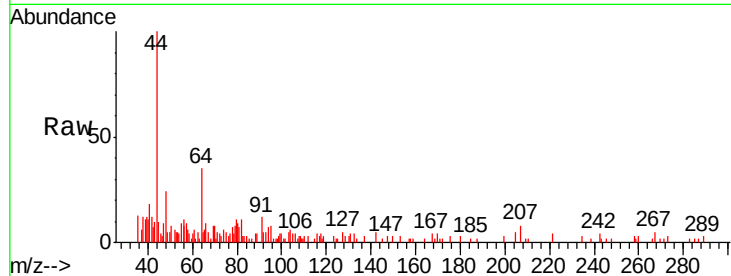
MW-7

Tgt Ion: 56 Resp: 488

Ion Ratio Lower Upper

56 100

55 35.5 58.2 87.4#



#15

Acrylonitrile

Concen: 0.203 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

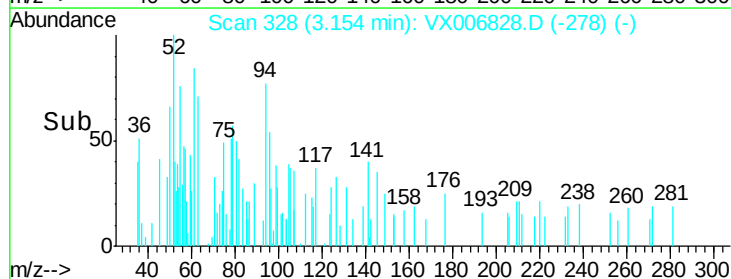
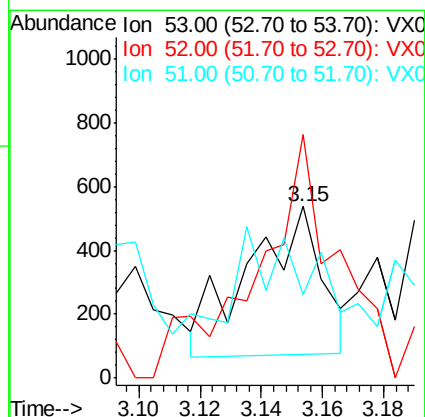
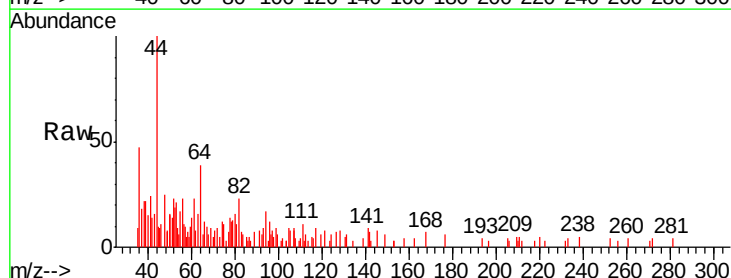
Tgt Ion: 53 Resp: 779

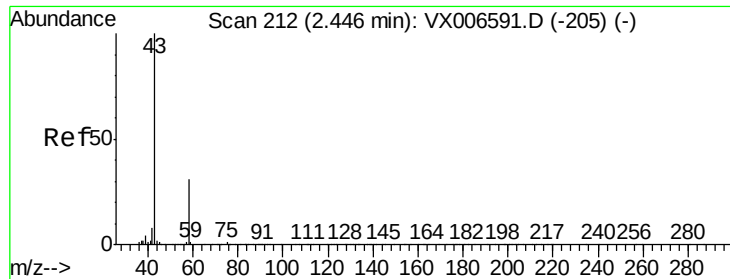
Ion Ratio Lower Upper

53 100

52 180.4 66.0 99.0#

51 17.1 28.6 42.8#

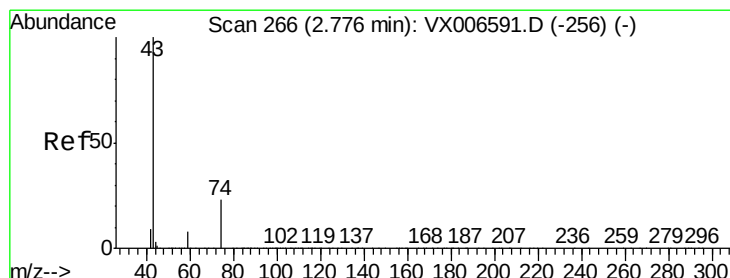
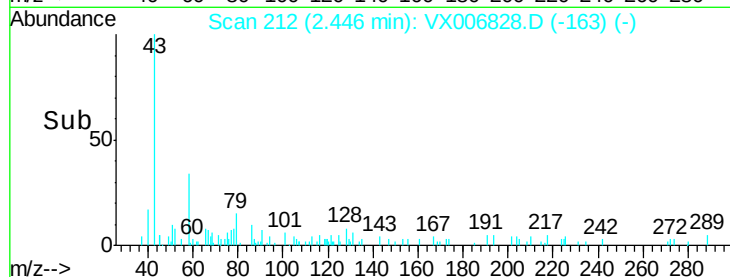
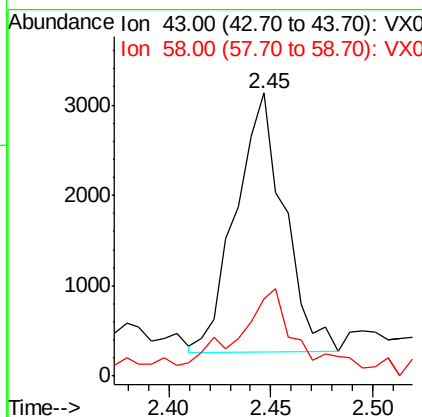
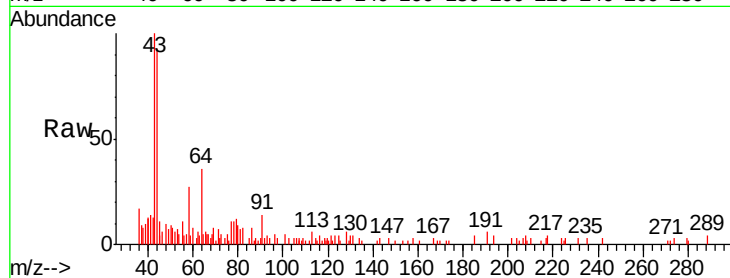




#16
Acetone
Concen: 1.327 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006828.D
Acq: 26 Dec 2018 19:35

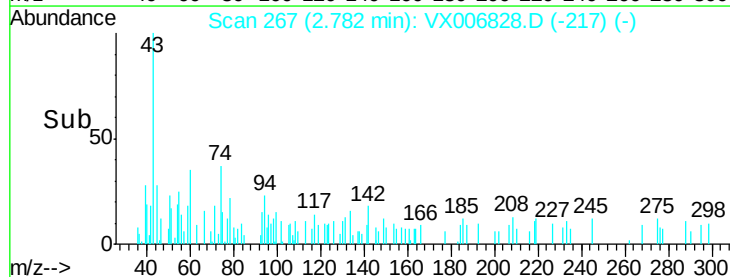
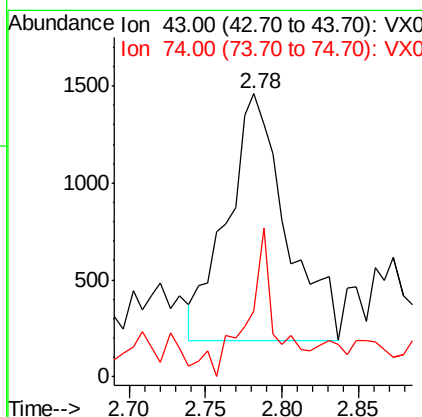
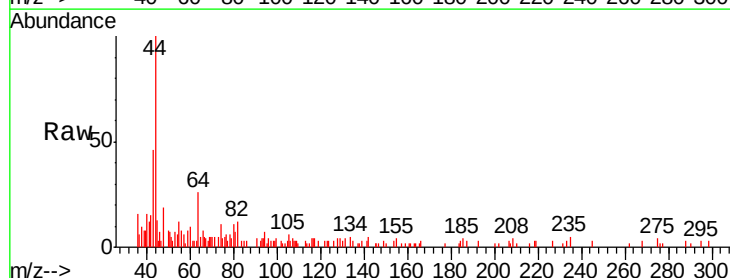
Instrument :
MSVOA_X
ClientSampled :
MW-7

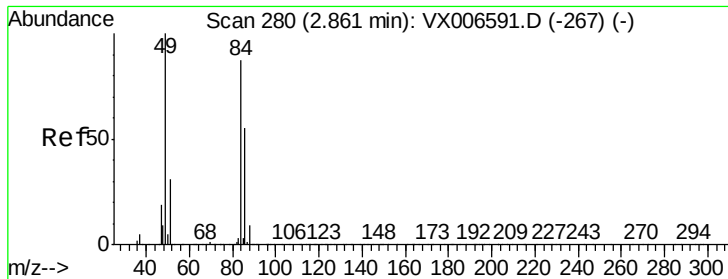
Tgt Ion: 43 Resp: 4731
Ion Ratio Lower Upper
43 100
58 25.0 25.0 37.6#



#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006828.D
Acq: 26 Dec 2018 19:35

Tgt Ion: 43 Resp: 3413
Ion Ratio Lower Upper
43 100
74 22.2 18.6 28.0





#20

Methylene Chloride

Concen: 0.424 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tgt Ion: 84 Resp: 3127

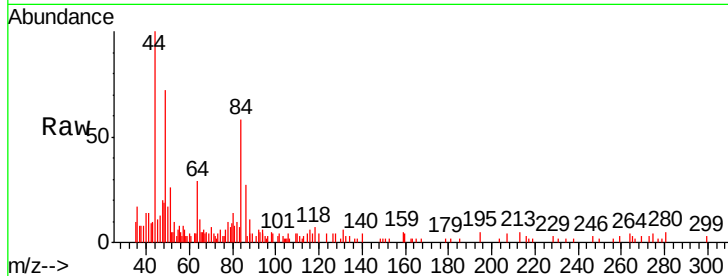
Ion Ratio Lower Upper

84 100

49 120.4 91.8 137.6

51 34.7 28.5 42.7

86 39.5 50.2 75.2#

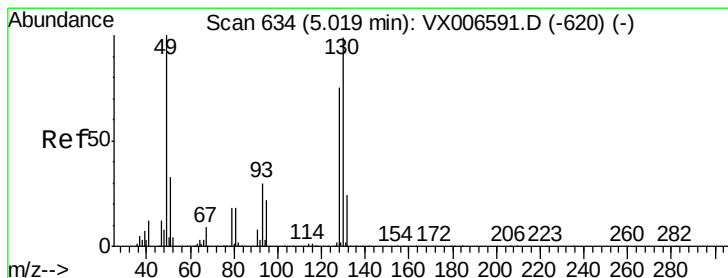
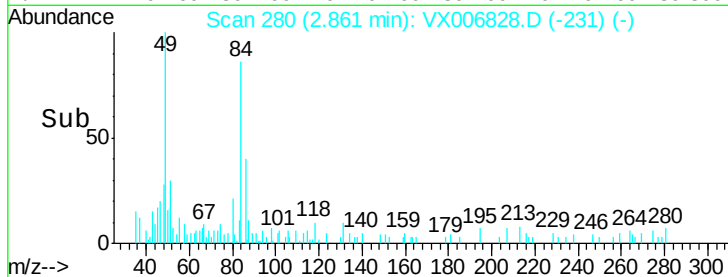
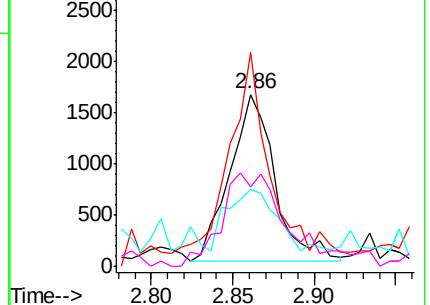


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

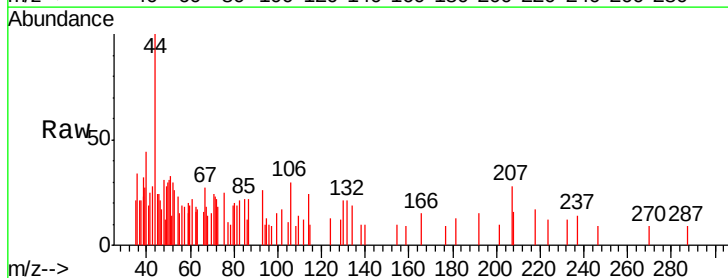
Tgt Ion: 49 Resp: 316

Ion Ratio Lower Upper

49 100

129 32.9 0.0 5.4#

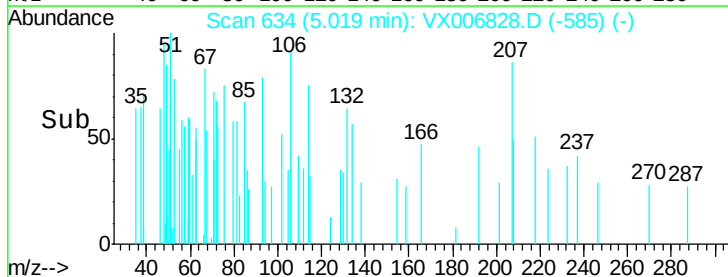
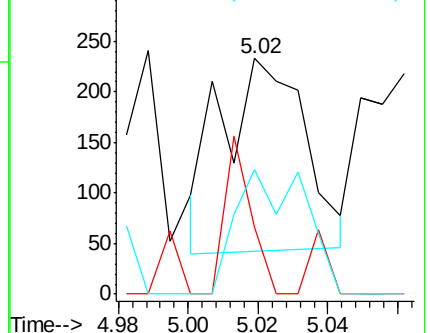
130 53.5 77.7 116.5#

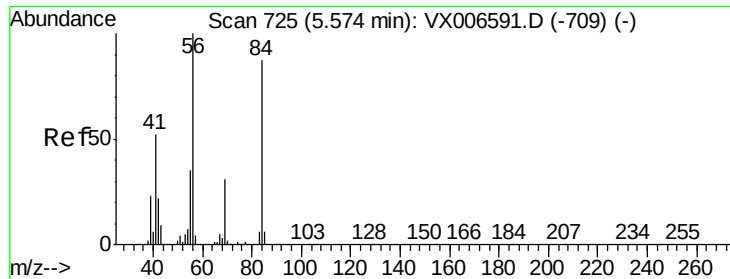


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

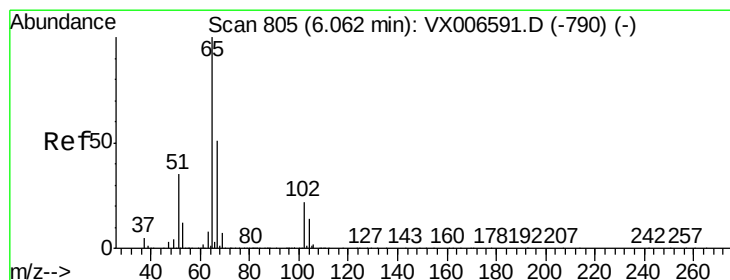
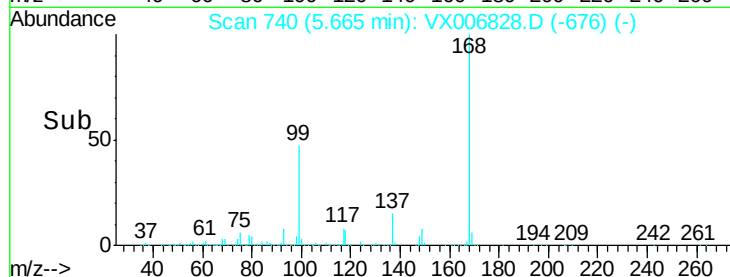
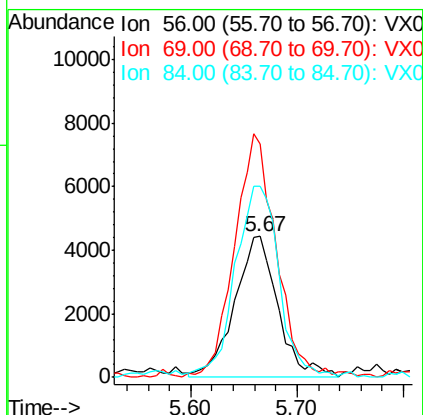
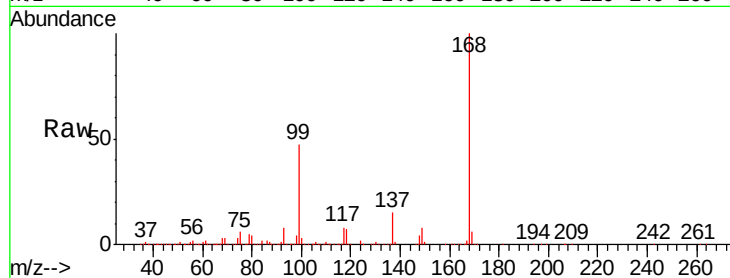




#31
Cyclohexane
Concen: 1.177 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006828.D
Acq: 26 Dec 2018 19:35

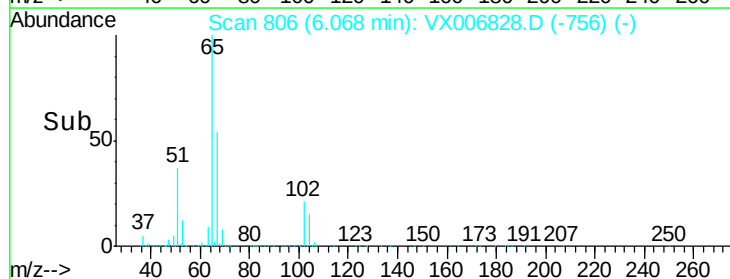
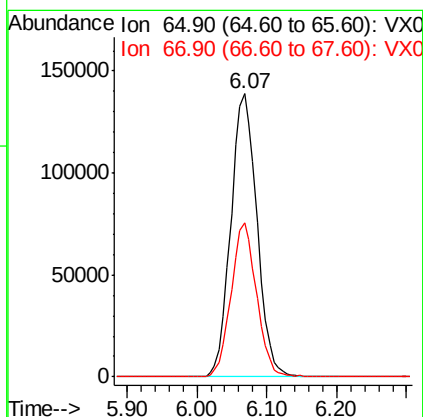
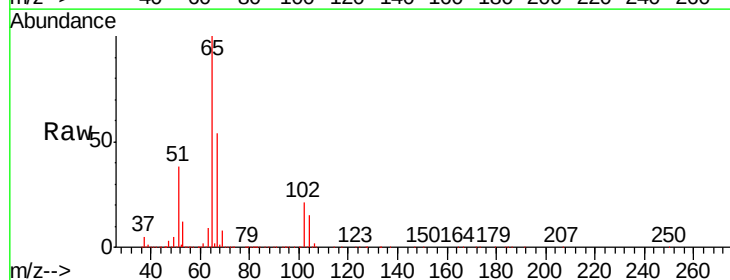
Instrument :
MSVOA_X
ClientSampled :
MW-7

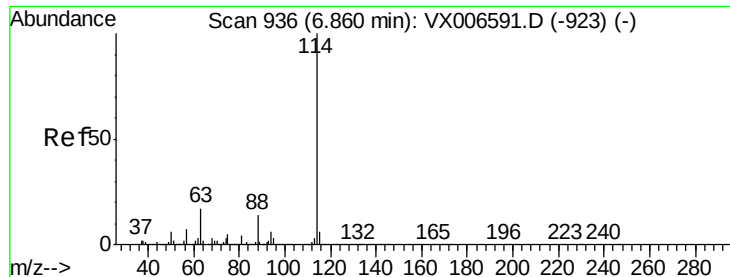
Tgt Ion: 56 Resp: 12648
Ion Ratio Lower Upper
56 100
69 162.8 24.4 36.6#
84 134.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.492 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006828.D
Acq: 26 Dec 2018 19:35

Tgt Ion: 65 Resp: 360898
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

MW-7

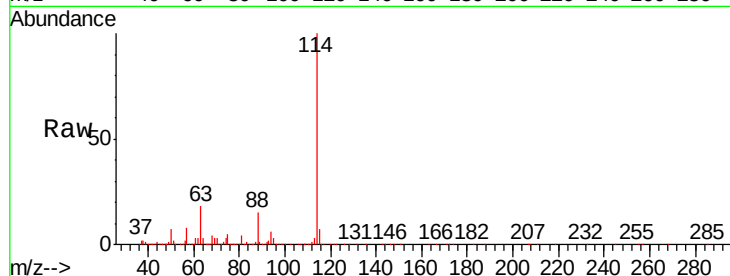
Tgt Ion:114 Resp: 1058420

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

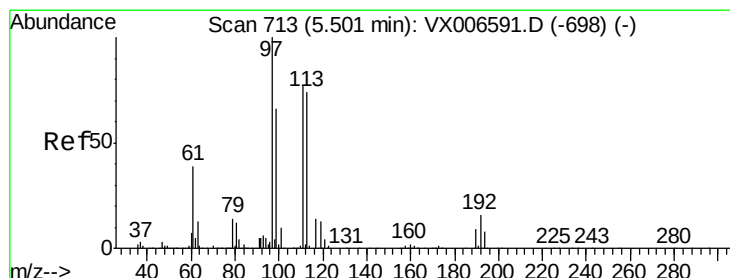
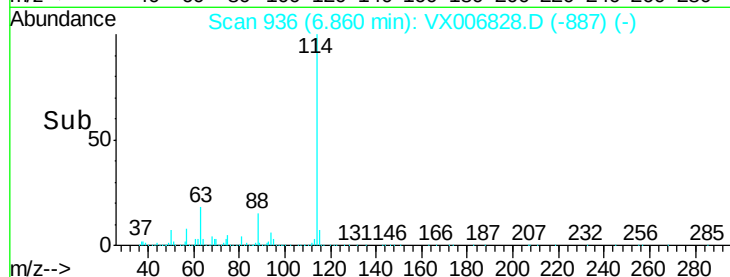
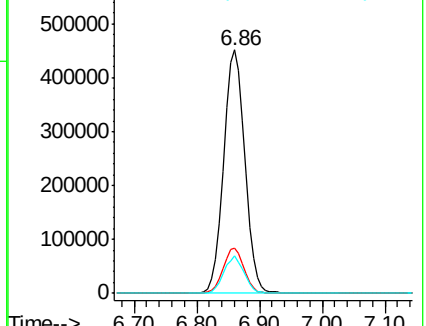
88 15.3 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.333 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

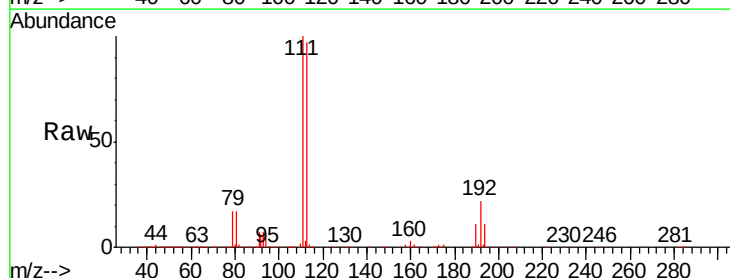
Tgt Ion:113 Resp: 316810

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

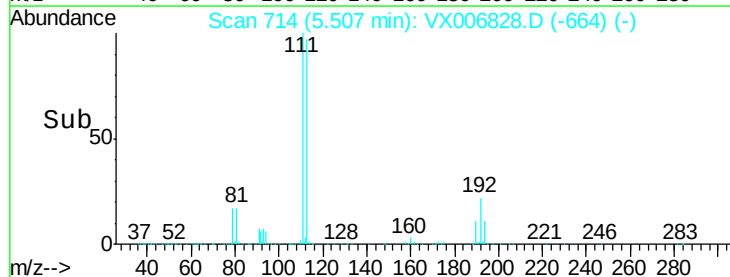
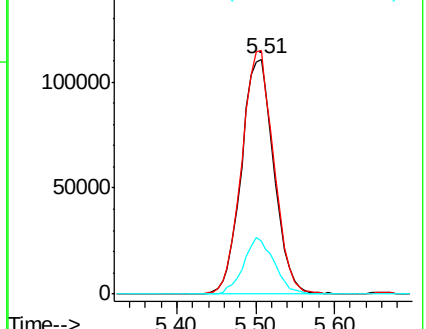
192 22.8 16.7 25.1

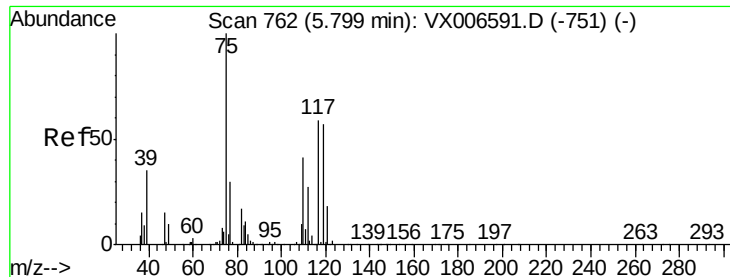


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

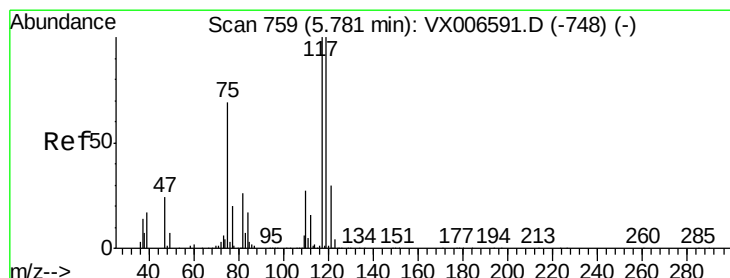
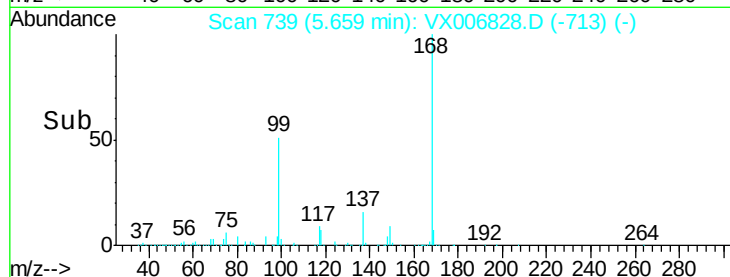
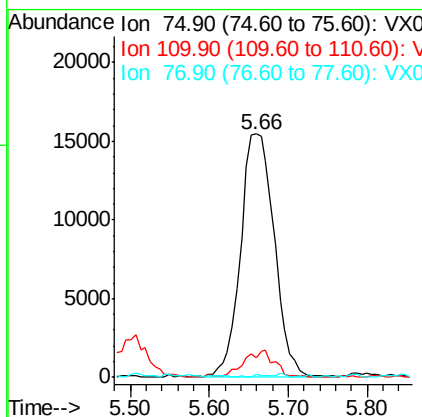
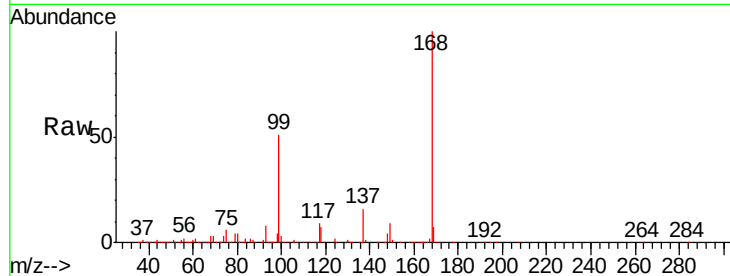




#36
 1,1-Dichloropropene
 Concen: 5.266 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

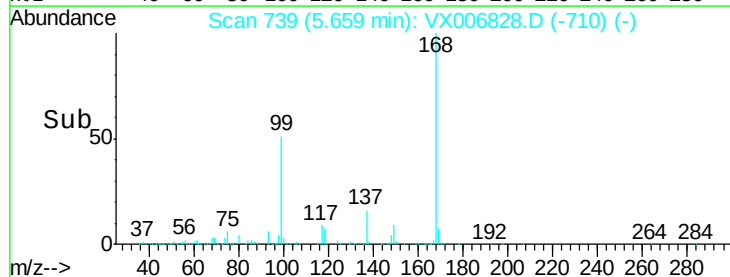
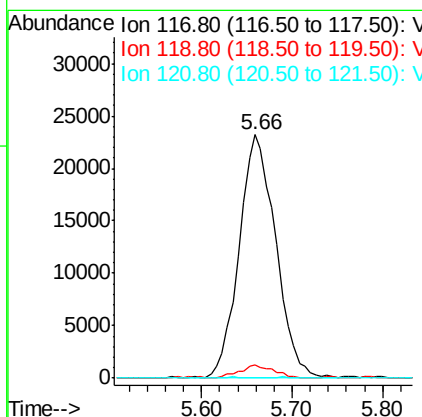
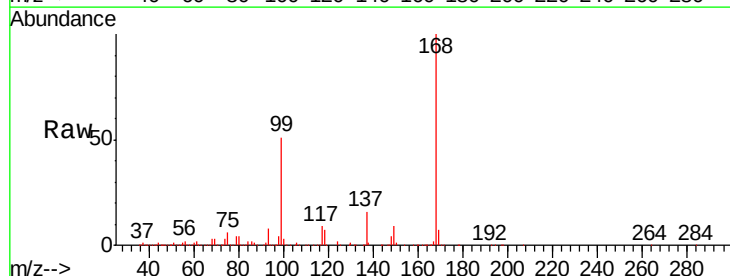
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

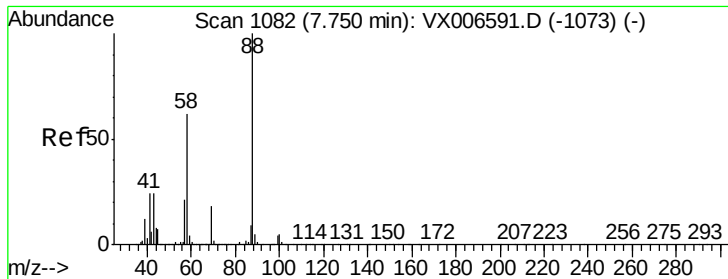
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.2	60.5#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.631 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	79.4	119.2#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

MW-7

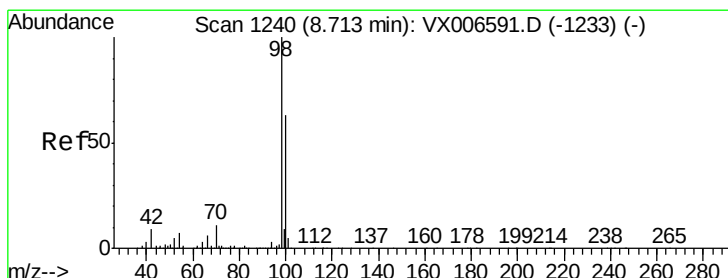
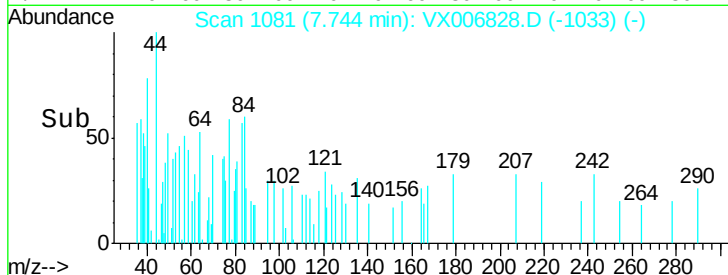
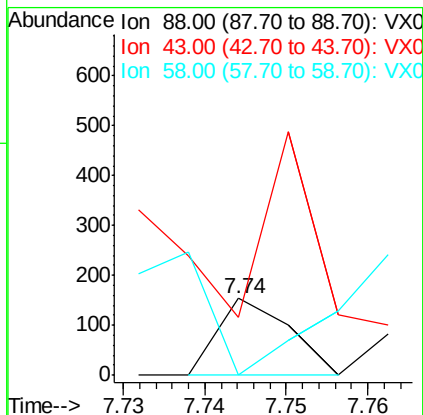
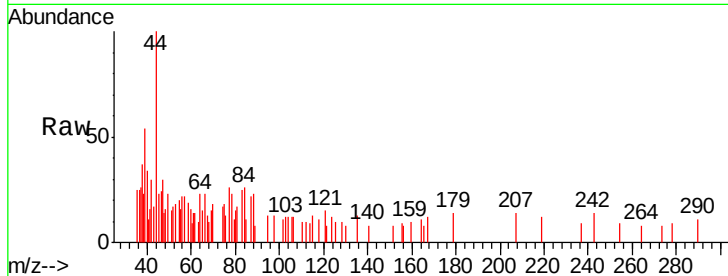
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 160.2 22.2 33.4#

58 176.3 51.0 76.4#



#50

Toluene-d8

Concen: 49.122 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006828.D

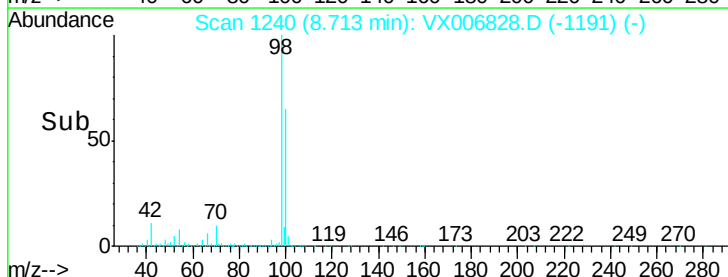
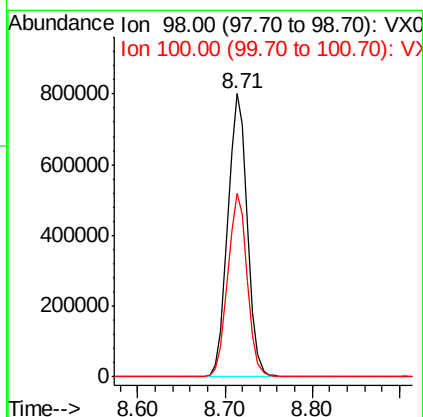
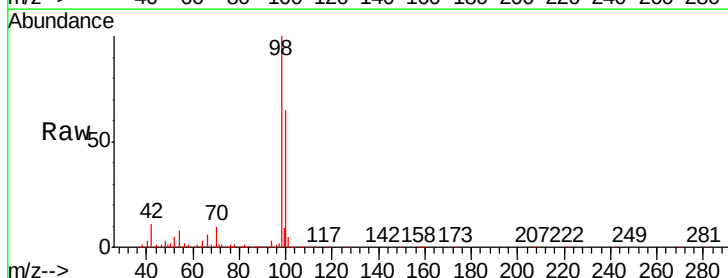
Acq: 26 Dec 2018 19:35

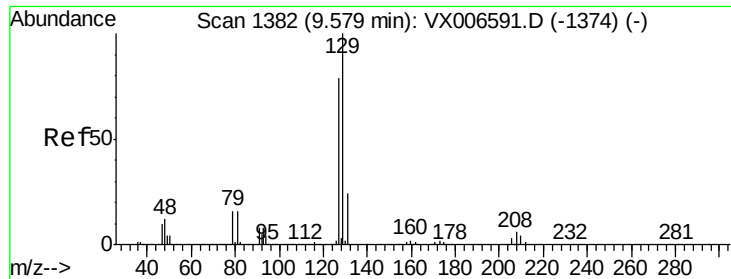
Tgt Ion: 98 Resp: 1239527

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

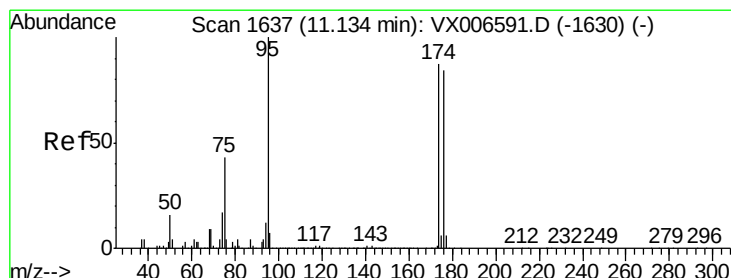
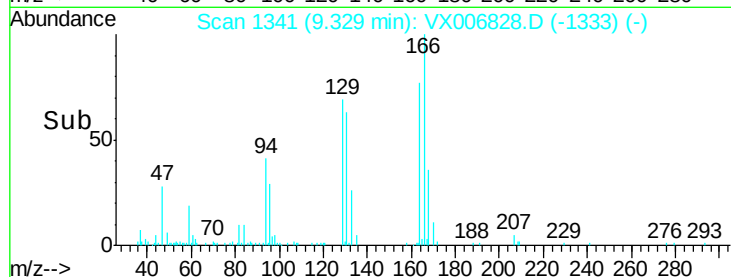
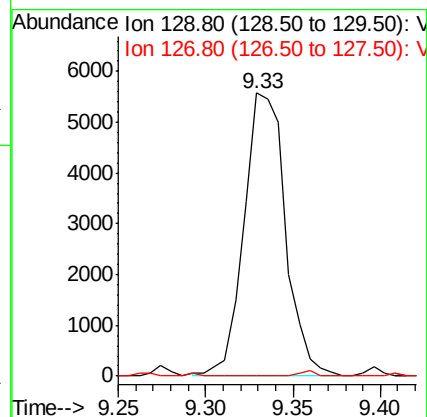
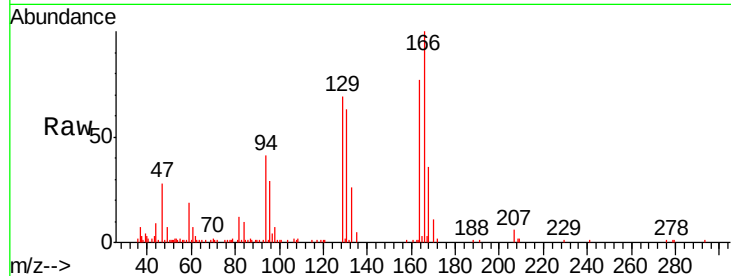




#60
 Dibromochloromethane
 Concen: 3.514 ug/l
 RT: 9.33 min Scan# 1341
 Delta R.T. -0.25 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

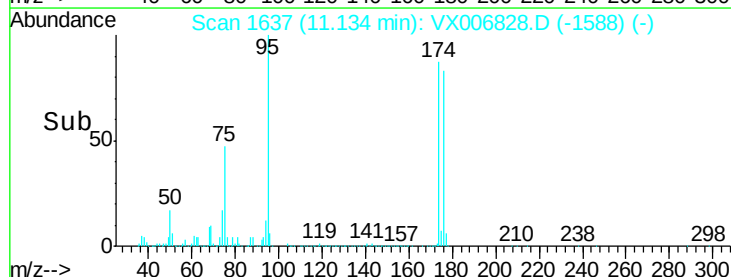
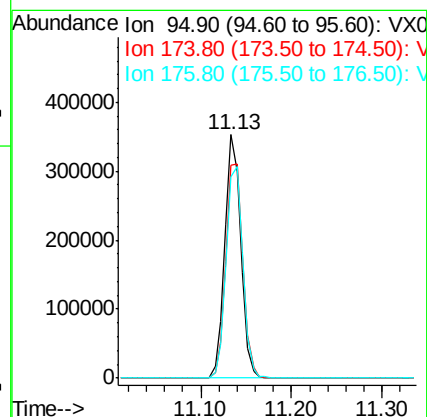
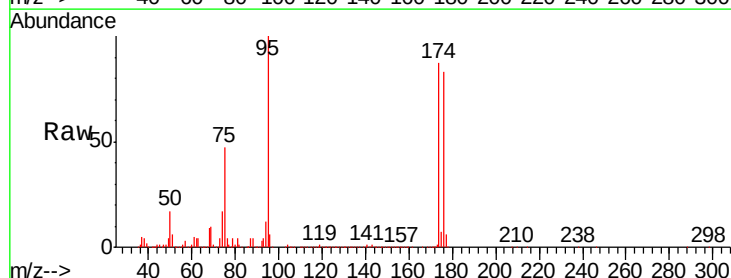
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

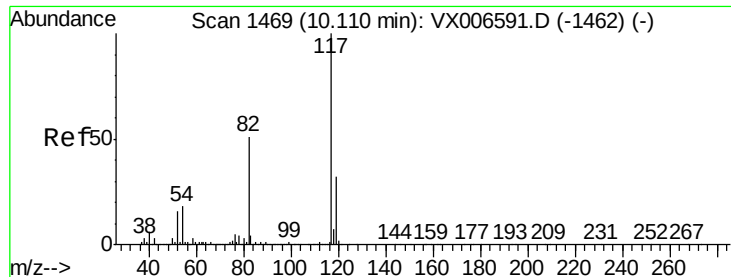
Tgt Ion: 129 Resp: 9193
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.3 117.8#



#62
 4-Bromofluorobenzene
 Concen: 47.178 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

Tgt Ion: 95 Resp: 436001
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 182.2
 176 90.9 0.0 178.8

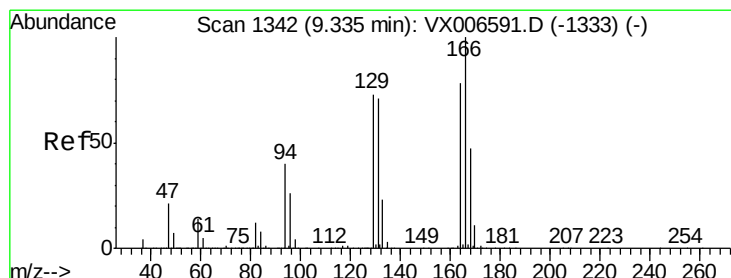
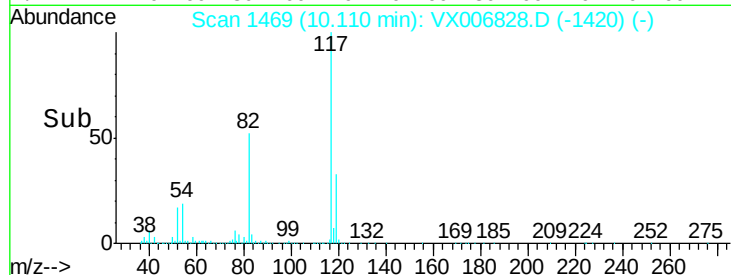
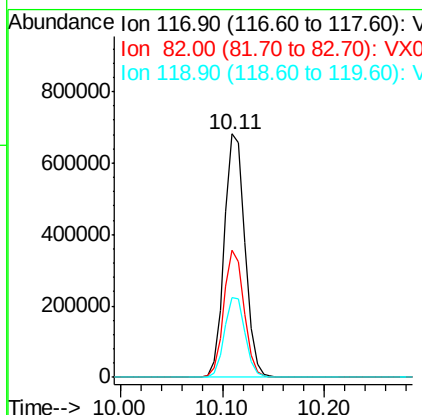
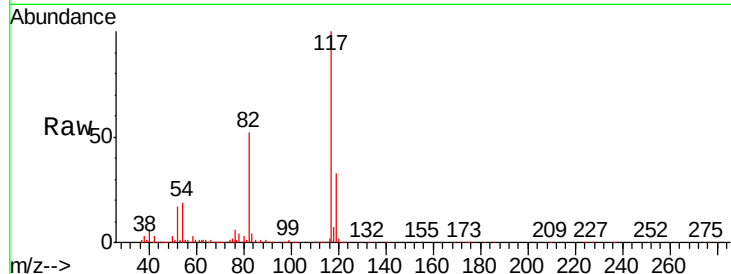




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006828.D
Acq: 26 Dec 2018 19:35

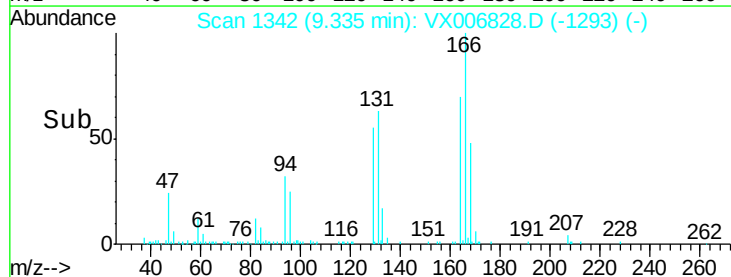
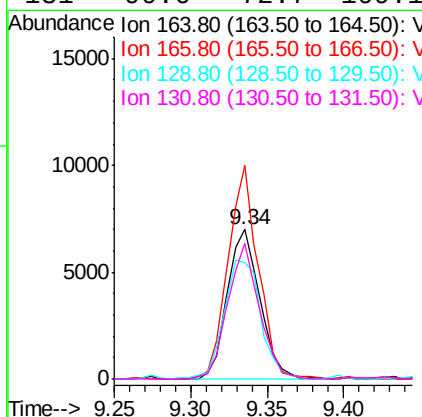
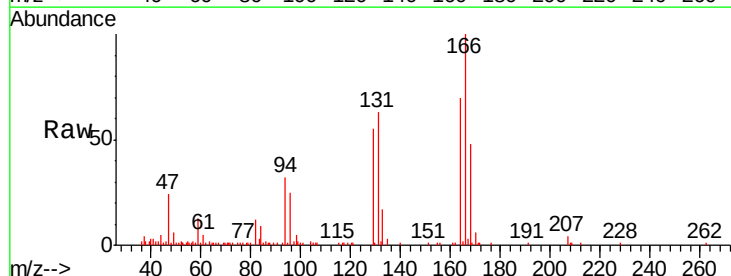
Instrument :
MSVOA_X
ClientSampleId :
MW-7

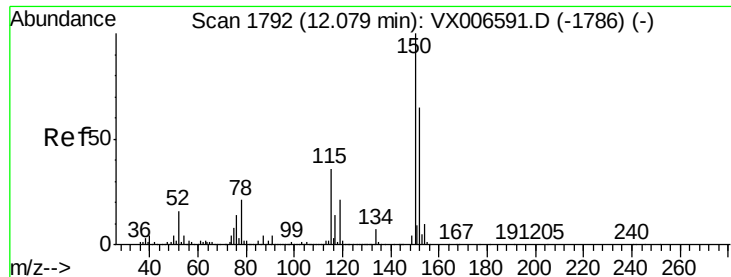
Tgt Ion:117 Resp: 954363
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 32.7 25.4 38.0



#64
Tetrachloroethene
Concen: 1.371 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006828.D
Acq: 26 Dec 2018 19:35

Tgt Ion:164 Resp: 10359
Ion Ratio Lower Upper
164 100
166 142.7 102.5 153.7
129 76.8 75.1 112.7
131 90.6 72.7 109.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006828.D

Acq: 26 Dec 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

MW-7

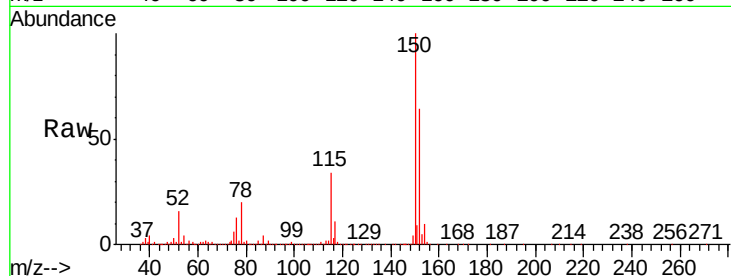
Tgt Ion:152 Resp: 460979

Ion Ratio Lower Upper

152 100

115 53.6 39.1 117.2

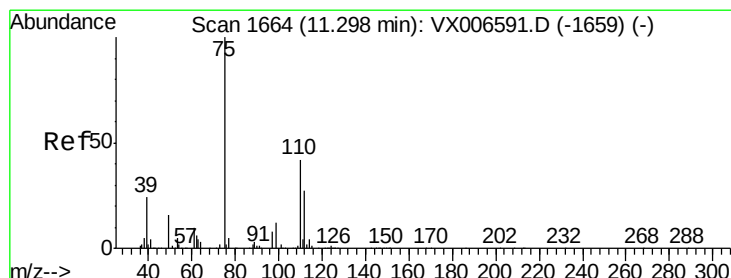
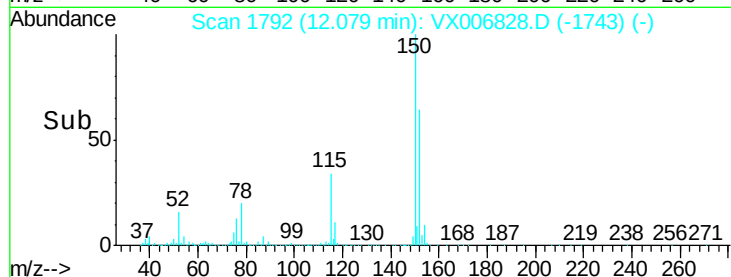
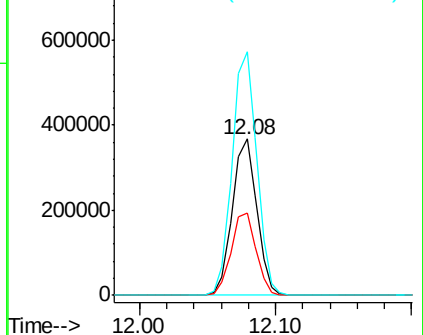
150 157.3 0.0 344.8



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: 24.312 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006828.D

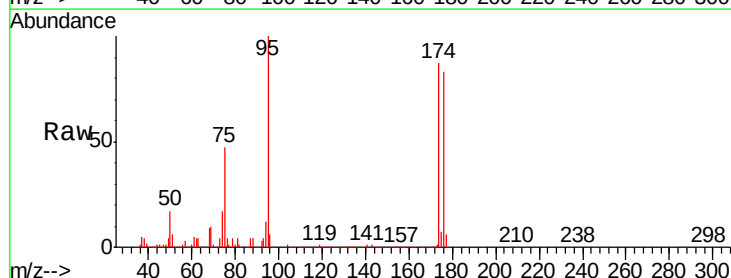
Acq: 26 Dec 2018 19:35

Tgt Ion: 75 Resp: 208279

Ion Ratio Lower Upper

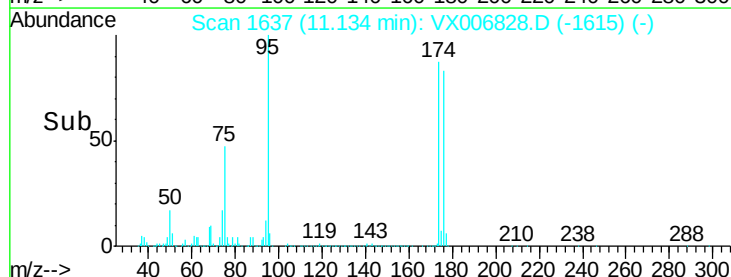
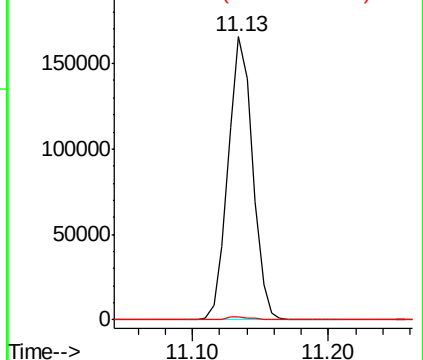
75 100

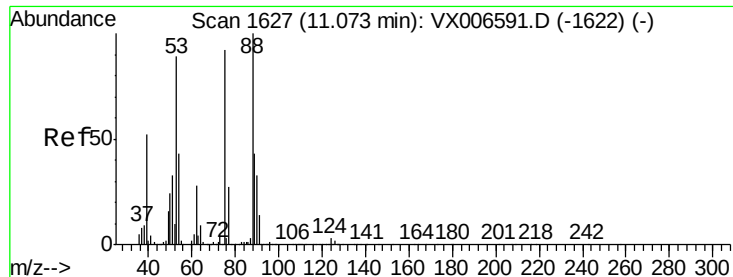
77 1.2 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

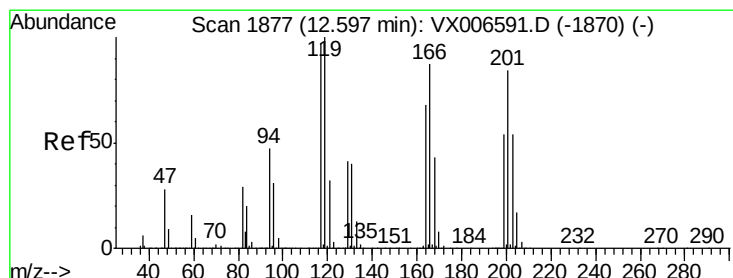
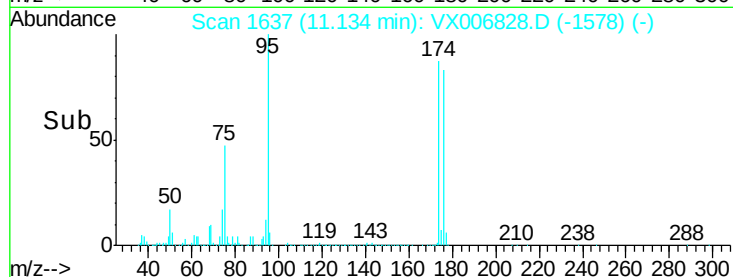
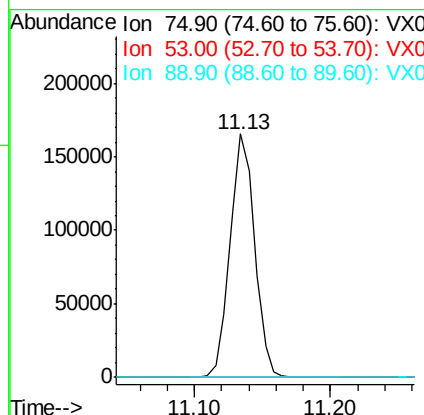
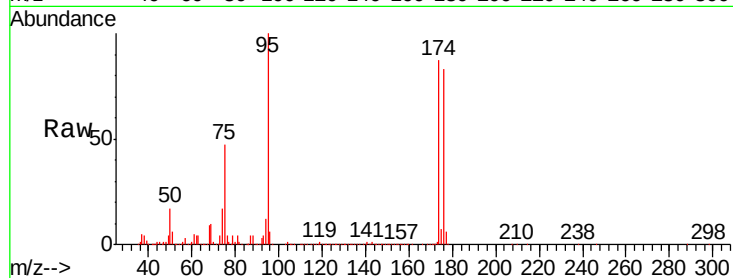




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.958 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

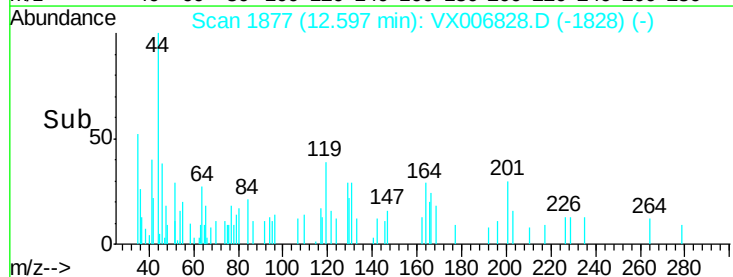
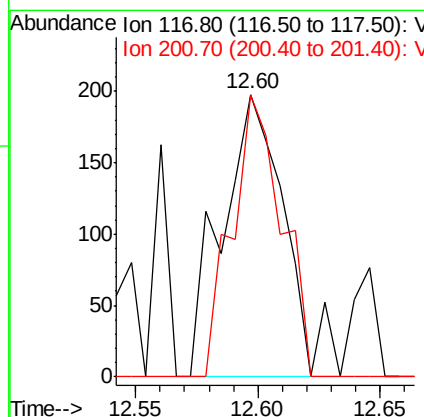
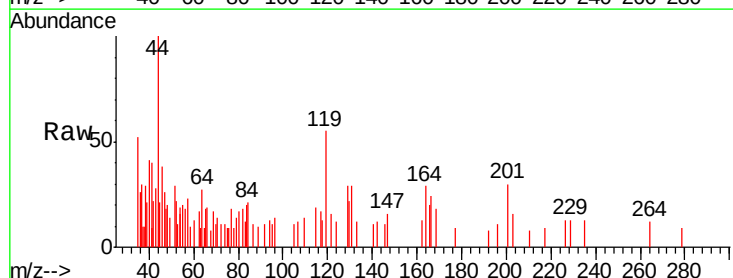
Instrument :
 MSVOA_X
 ClientSampled :
 MW-7

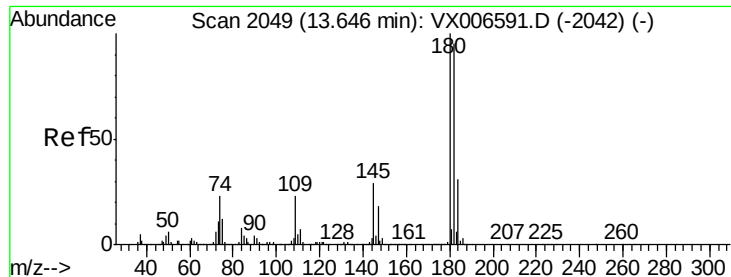
Tgt Ion: 75 Resp: 208279
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.7 119.5#
 89 0.0 38.0 57.0#



#90
 Hexachloroethane
 Concen: 3.369 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

Tgt Ion: 117 Resp: 354
 Ion Ratio Lower Upper
 117 100
 201 79.1 42.9 128.7

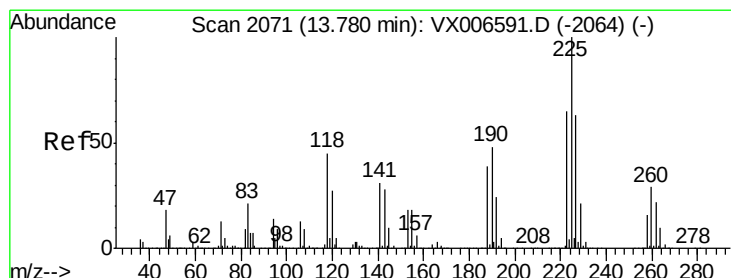
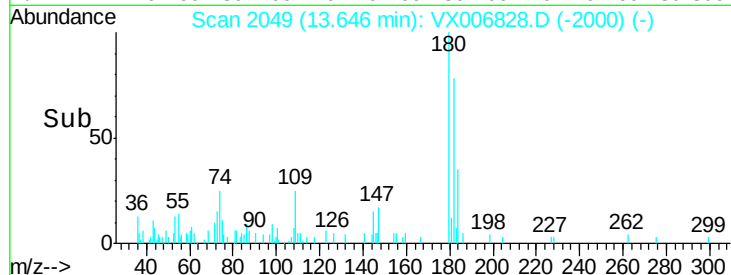
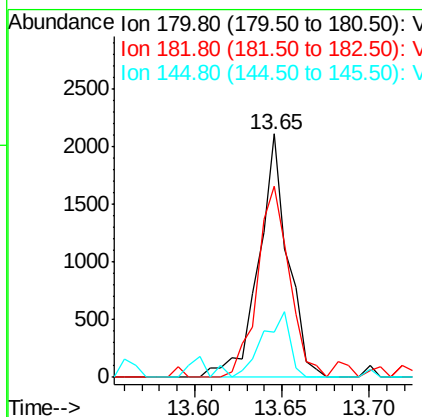
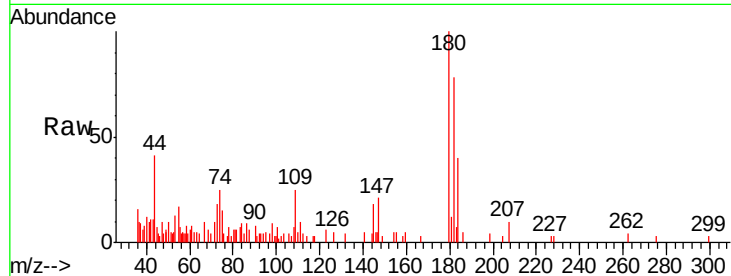




#93
 1,2,4-Trichlorobenzene
 Concen: 0.231 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

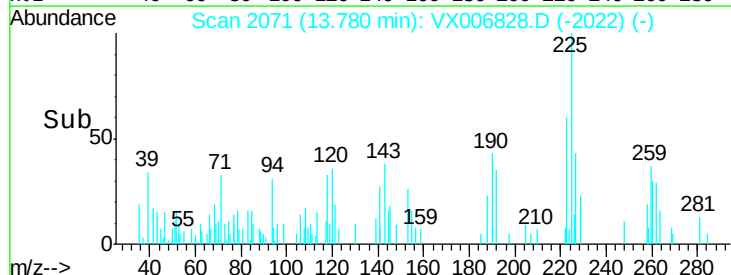
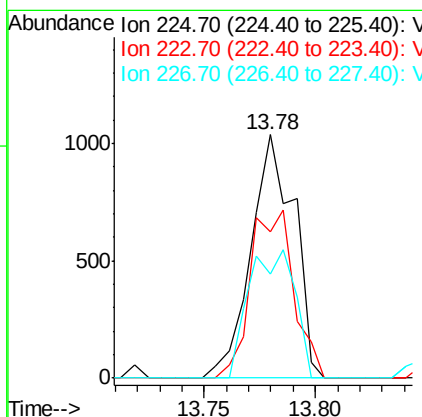
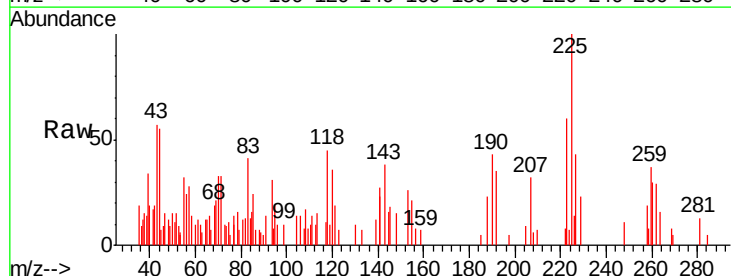
Instrument :
 MSVOA_X
 ClientSampled :
 MW-7

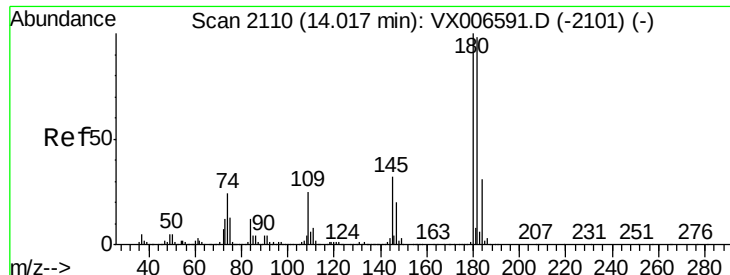
Tgt Ion:180 Resp: 2448
 Ion Ratio Lower Upper
 180 100
 182 85.8 47.3 142.0
 145 24.8 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 0.280 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

Tgt Ion:225 Resp: 1397
 Ion Ratio Lower Upper
 225 100
 223 69.4 32.1 96.3
 227 56.4 32.3 96.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.217 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX006828.D
 Acq: 26 Dec 2018 19:35

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.0	48.5	145.5
145	39.1	16.0	47.9

