

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007092.D
 Acq On : 17 Jan 2019 16:43
 Operator : JC/SP
 Sample : K1172-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW001-190114

Quant Time: Jan 18 05:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	603237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	917608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	863174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	428780	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	314209	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	5.50	113	280898	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.71	98	1099289	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	395990	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	

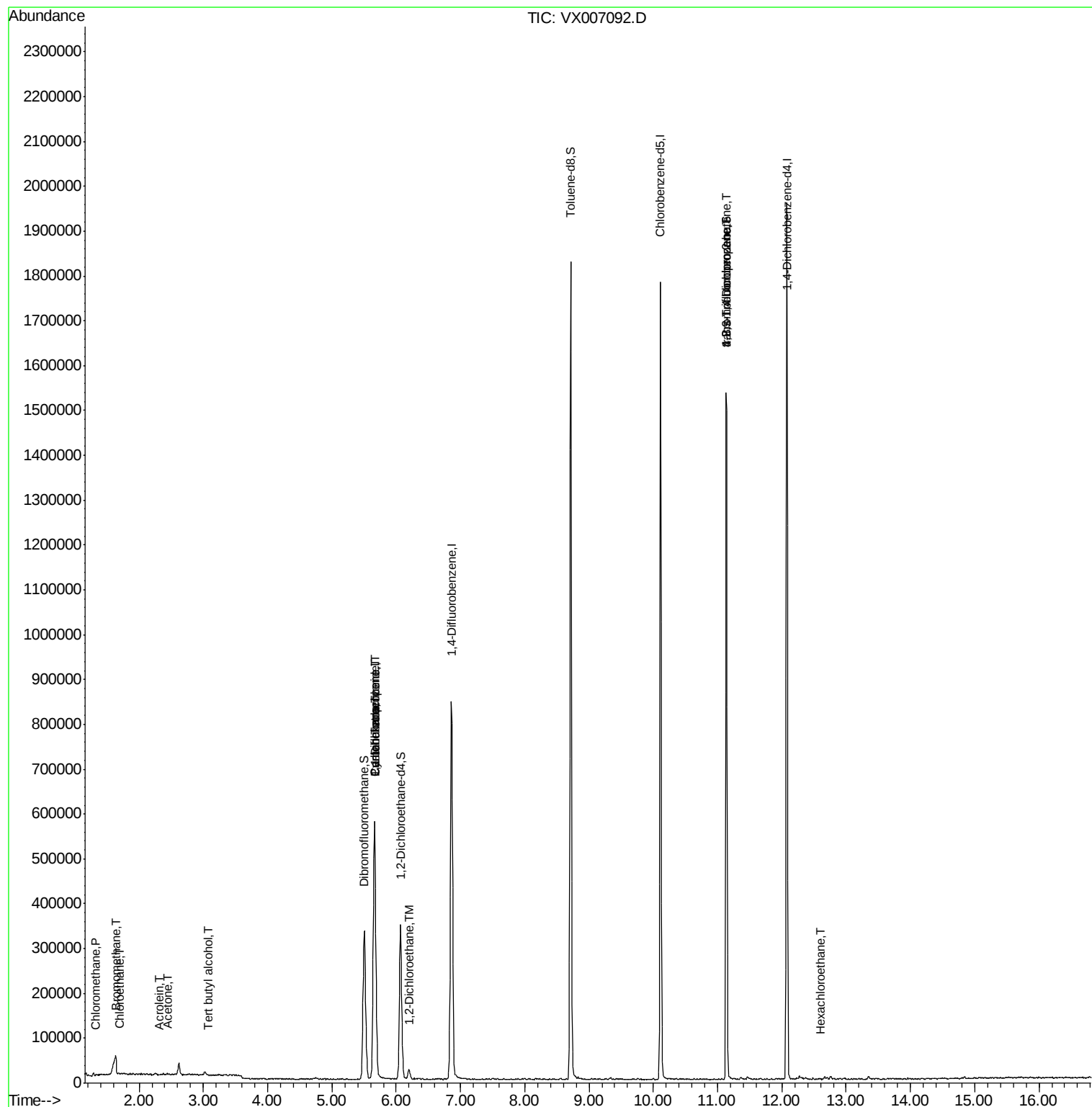
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1241	0.215	ug/l #	72
5) Bromomethane	1.64	94	1957	0.295	ug/l #	63
6) Chloroethane	1.71	64	1087	0.251	ug/l	96
11) Tert butyl alcohol	3.07	59	536	0.360	ug/l #	1
13) Acrolein	2.31	56	156	3.324	ug/l #	1
16) Acetone	2.45	43	3037	0.974	ug/l #	63
20) Methylene Chloride	2.85	84	282	Below Cal	#	30
31) Cyclohexane	5.67	56	10541	1.186	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	38607	4.839	ug/l #	48
38) Carbon Tetrachloride	5.67	117	55197	6.877	ug/l #	14
42) 1,2-Dichloroethane	6.20	62	23623	2.808	ug/l	97
49) 1,4-Dioxane	7.76	88	155	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	188299	21.671	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	188299	64.235	ug/l #	10
90) Hexachloroethane	12.60	117	101	2.930	ug/l #	6

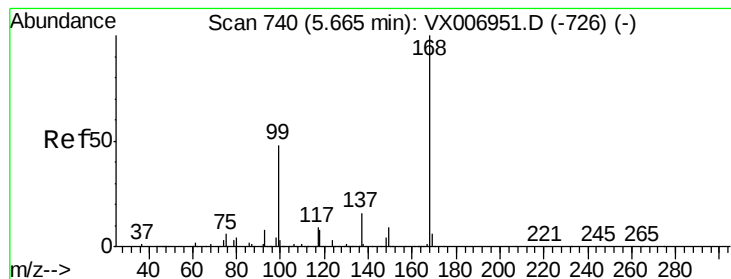
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
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: VX007092.D

Acq: 17 Jan 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

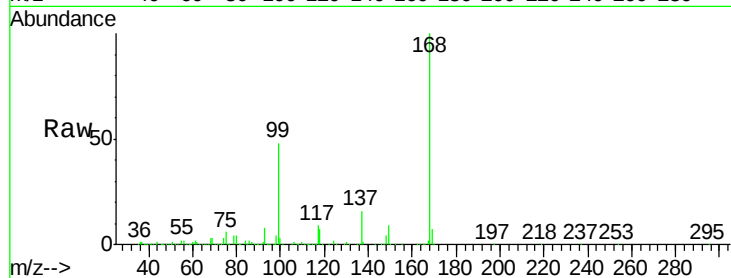
WP022MW001-190114

Tot Ion:168 Resp: 603237

Ion Ratio Lower Upper

168 100

99 48.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

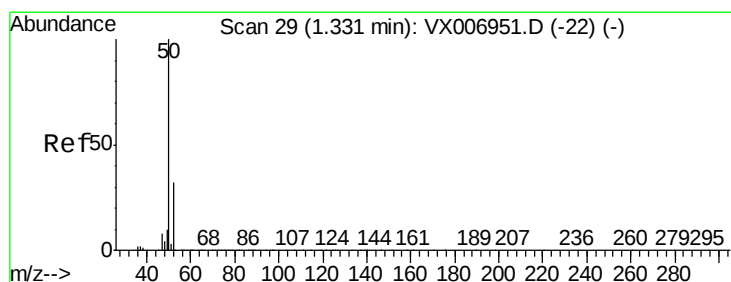
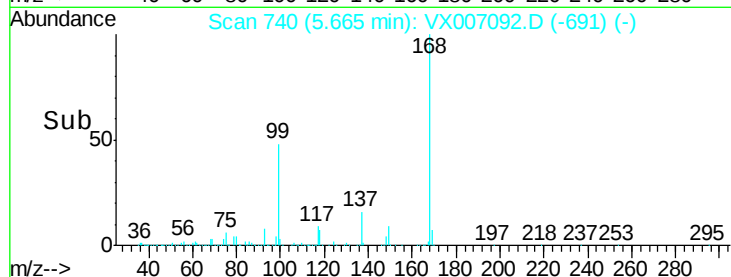
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007092.D

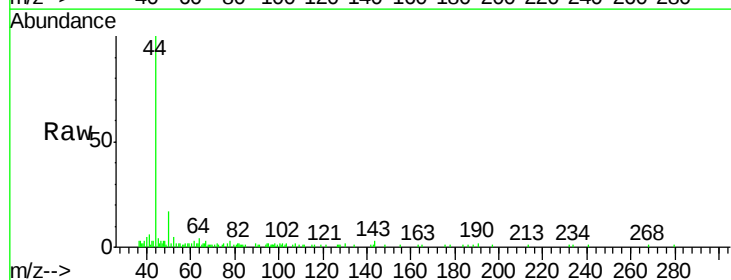
Acq: 17 Jan 2019 16:43

Tgt Ion: 50 Resp: 1241

Ion Ratio Lower Upper

50 100

52 16.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

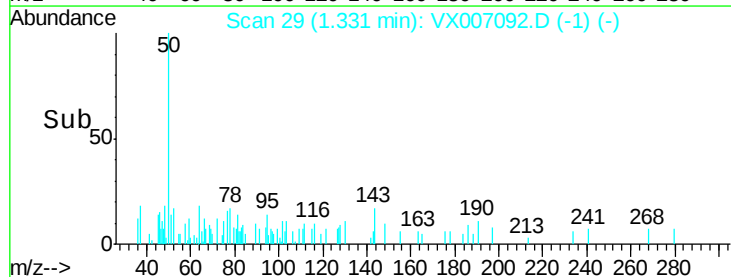
1.33

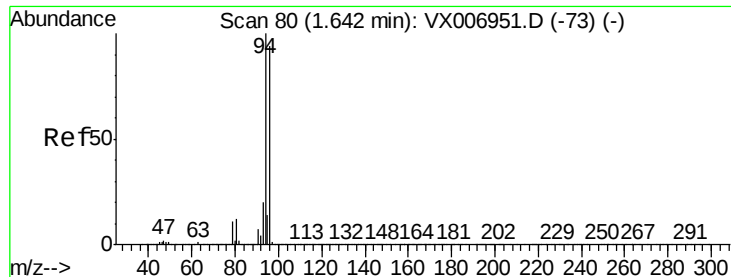
1000

500

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

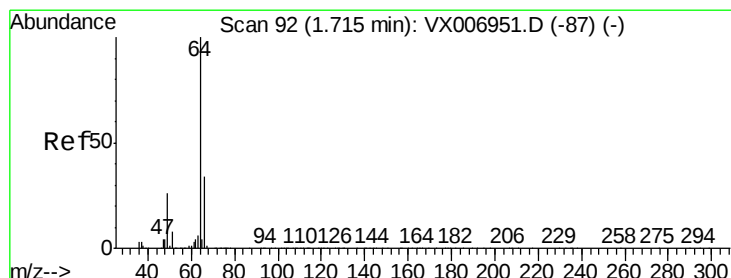
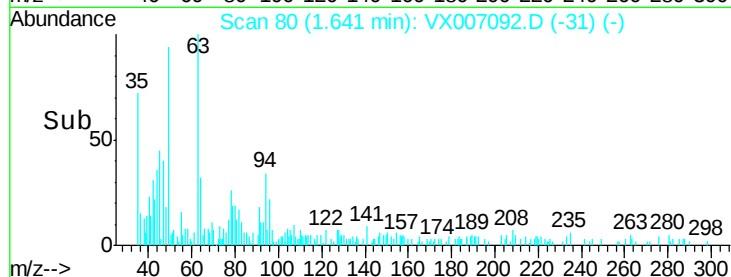
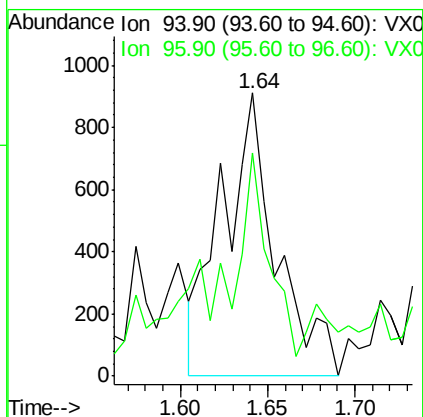
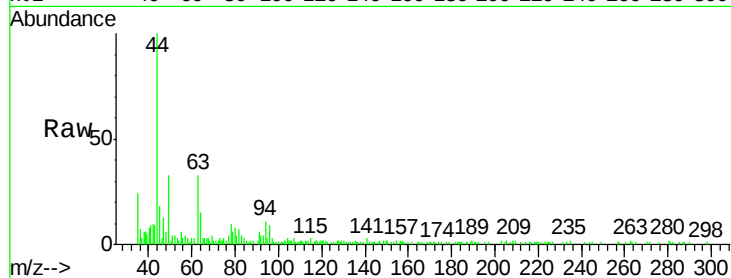
WP022MW001-190114

Tot Ion: 94 Resp: 1957

Ion Ratio Lower Upper

94 100

96 56.2 73.4 110.2#



#6

Chloroethane

Concen: 0.251 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007092.D

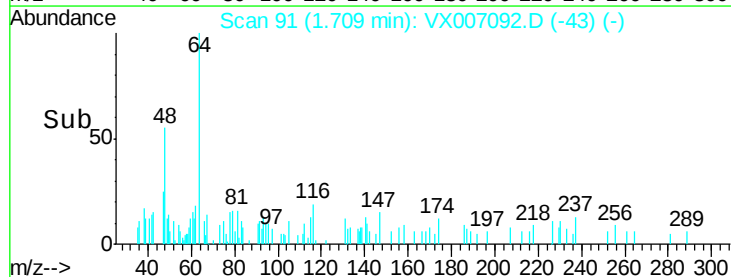
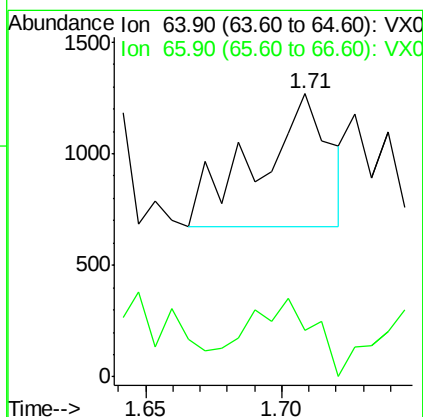
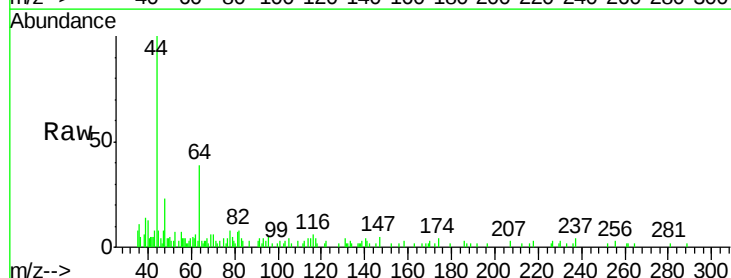
Acq: 17 Jan 2019 16:43

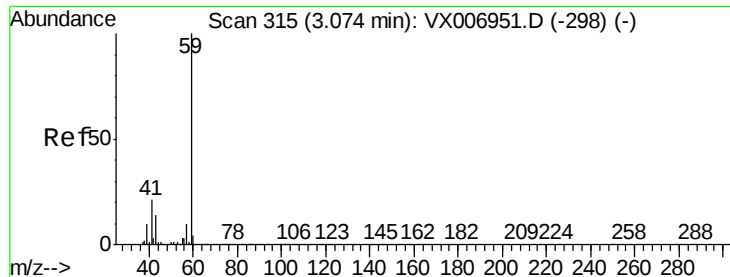
Tgt Ion: 64 Resp: 1087

Ion Ratio Lower Upper

64 100

66 35.2 26.4 39.6



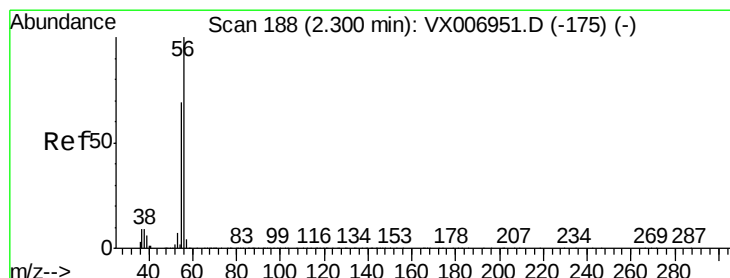
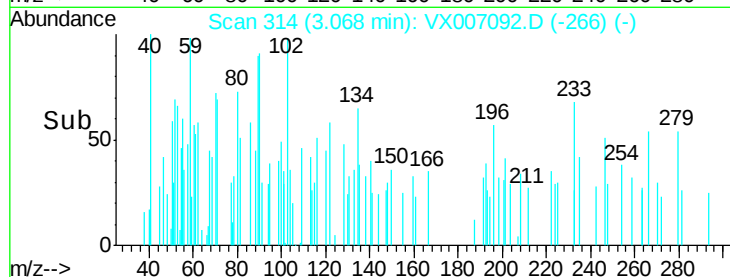
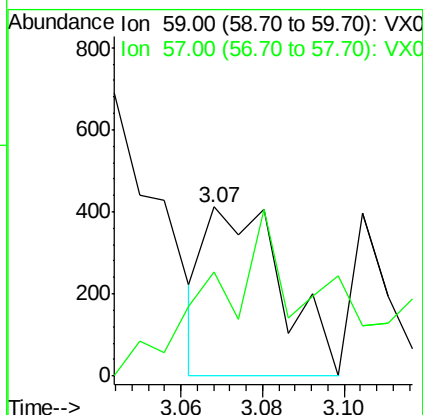
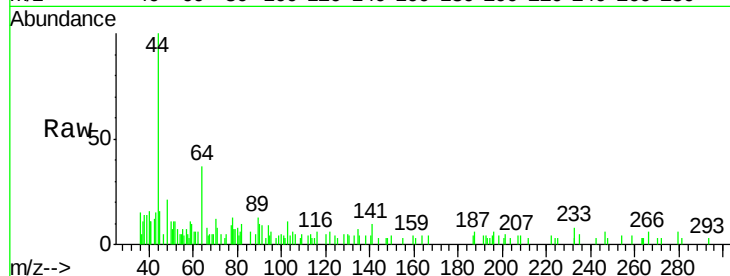


#11

Tert butyl alcohol
Concen: 0.360 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

Instrument :
MSVOA_X
ClientSampleId :
WP022MW001-190114

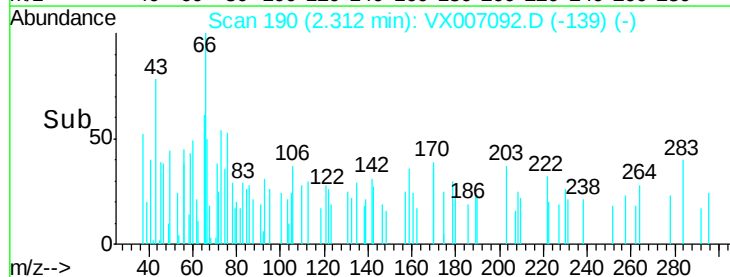
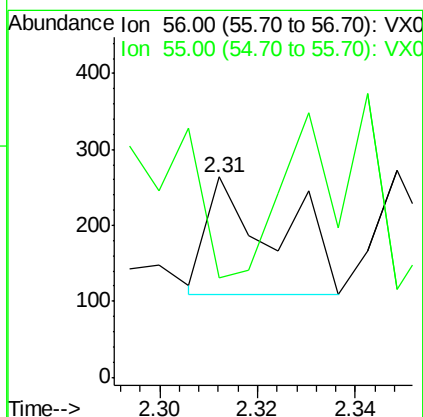
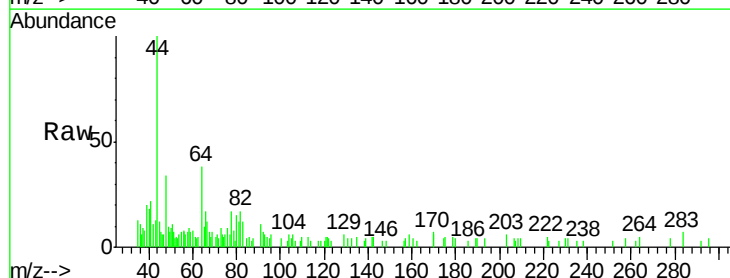
Tot Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 98.7 8.5 12.7#

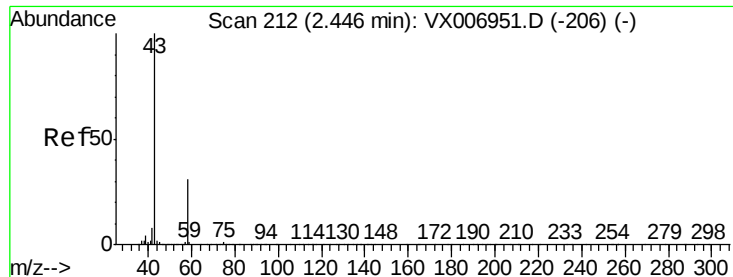


#13

Acrolein
Concen: 3.324 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.01 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 189.1 58.2 87.4#

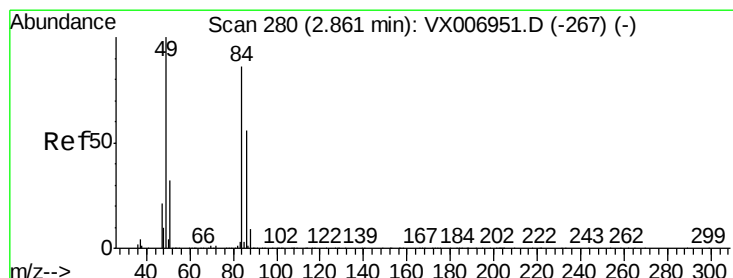
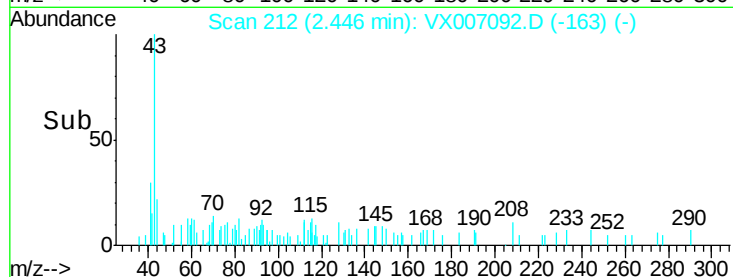
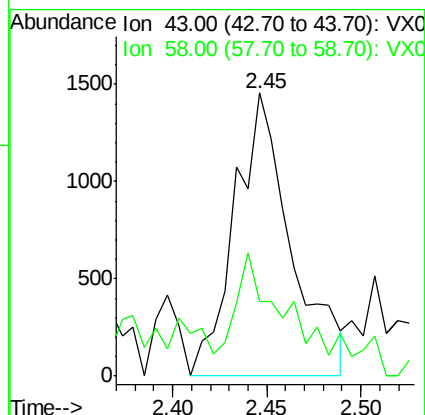
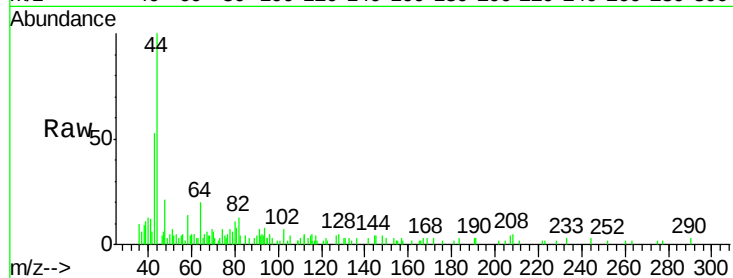




#16
Acetone
Concen: 0.974 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

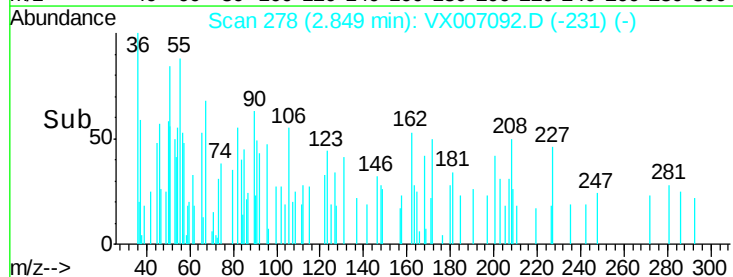
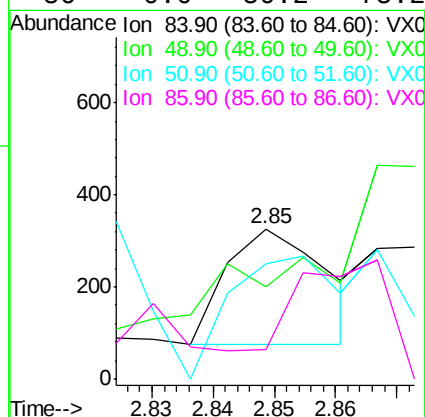
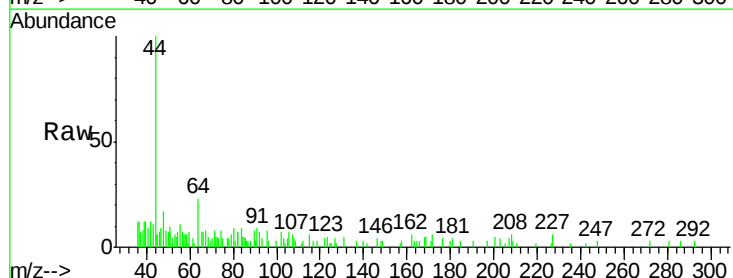
Instrument :
MSVOA_X
ClientSampleId :
WP022MW001-190114

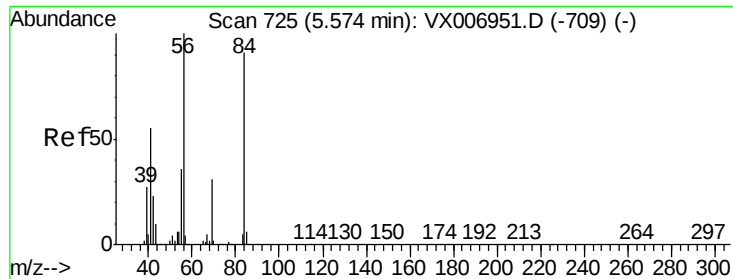
Tot Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
58 11.1 25.0 37.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

Tgt Ion: 84 Resp: 282
Ion Ratio Lower Upper
84 100
49 24.3 91.8 137.6#
51 39.4 28.5 42.7
86 0.0 50.2 75.2#

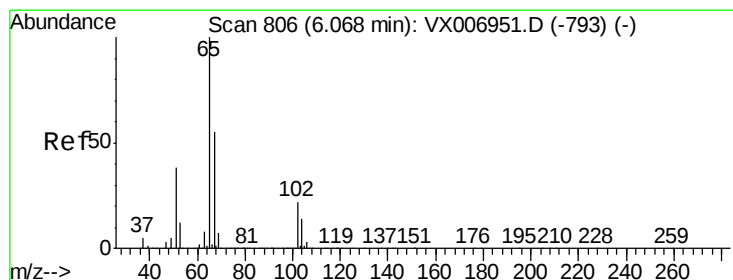
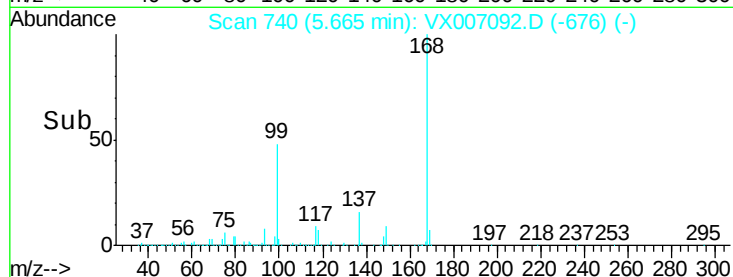
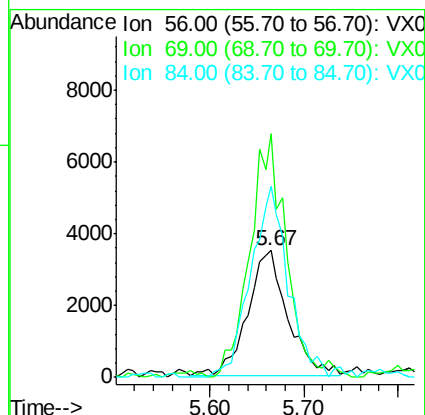
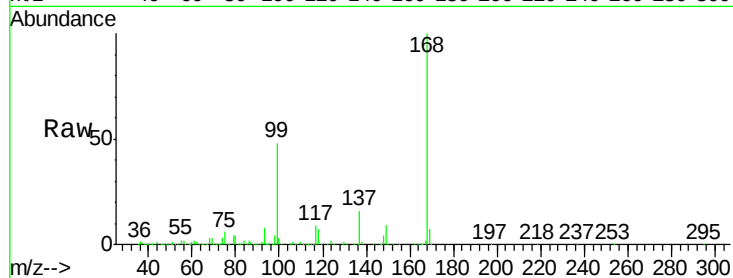




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

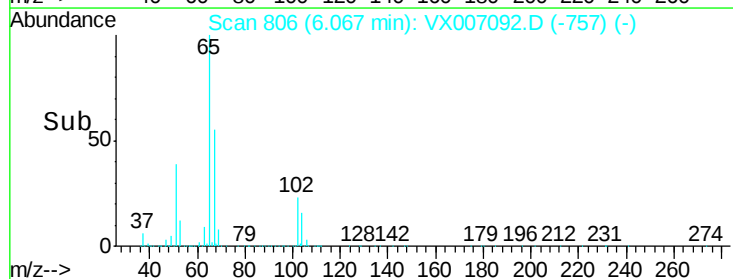
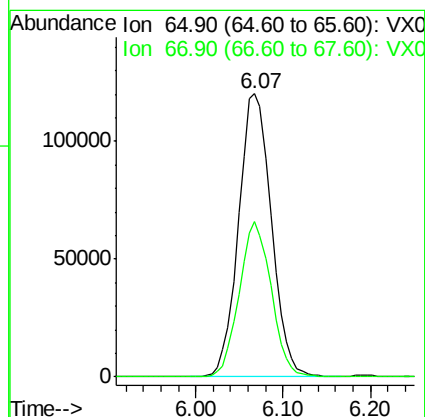
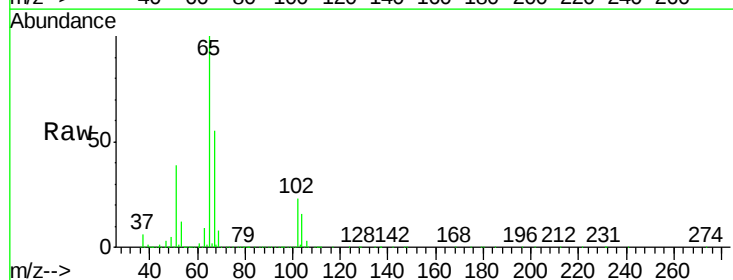
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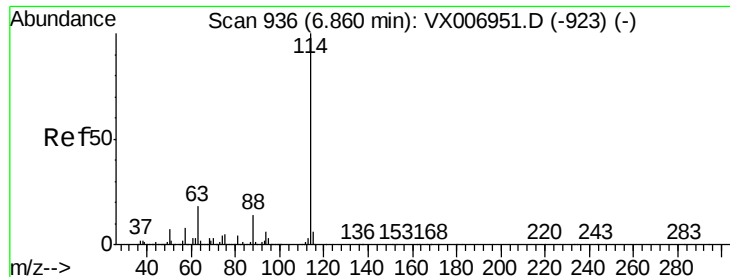
Tot Ion: 56 Resp: 10541
Ion Ratio Lower Upper
56 100
69 191.5 24.4 36.6#
84 153.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.840 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

Tgt Ion: 65 Resp: 314209
Ion Ratio Lower Upper
65 100
67 53.4 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: VX007092.D

Acq: 17 Jan 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

WP022MW001-190114

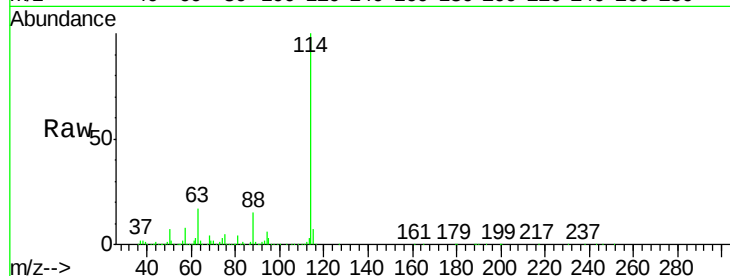
Tot Ion:114 Resp: 917608

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.8

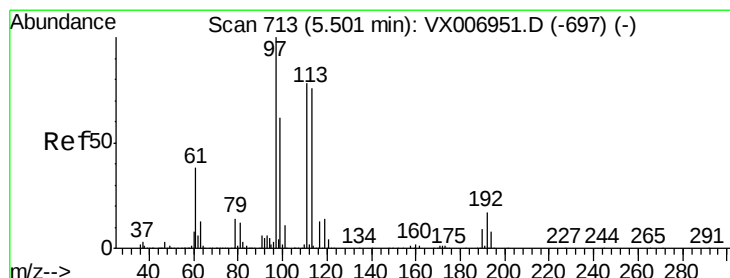
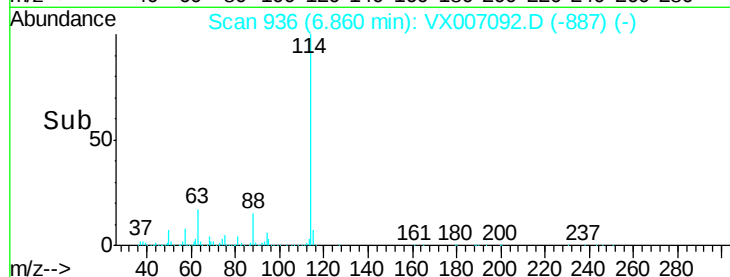
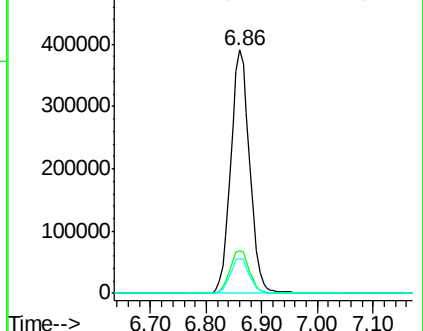
88 14.5 0.0 28.8



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: 47.802 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

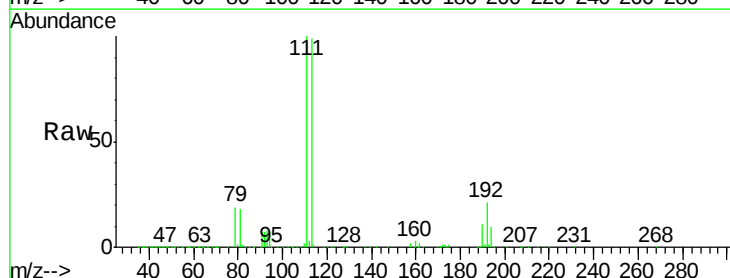
Tgt Ion:113 Resp: 280898

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

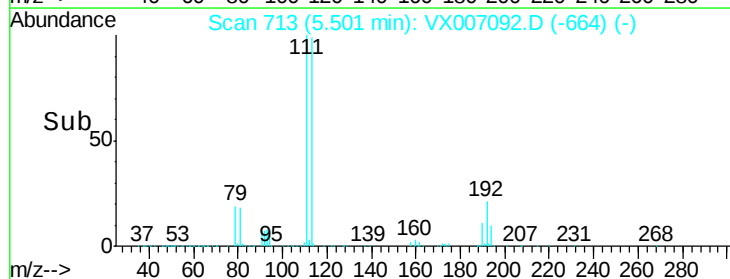
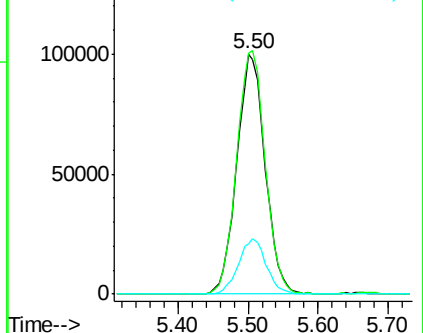
192 22.5 16.7 25.1

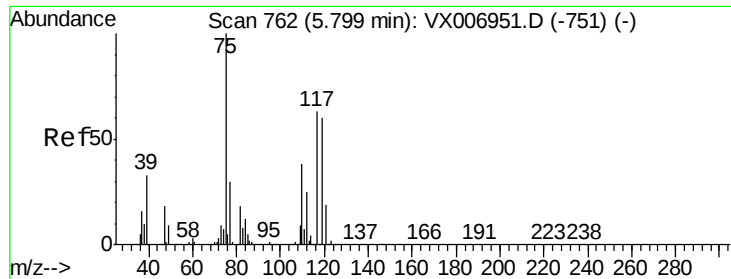


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

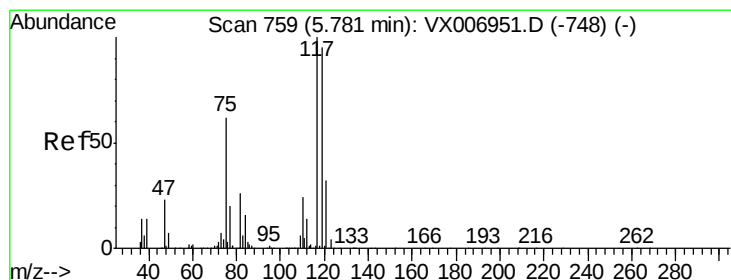
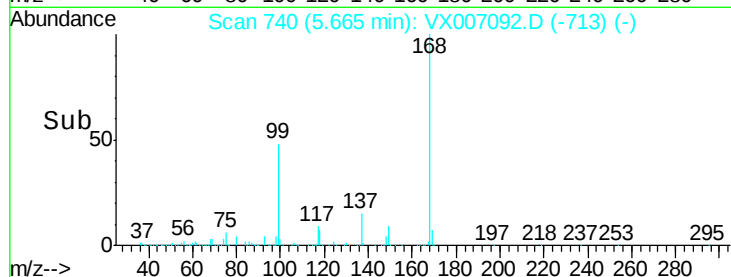
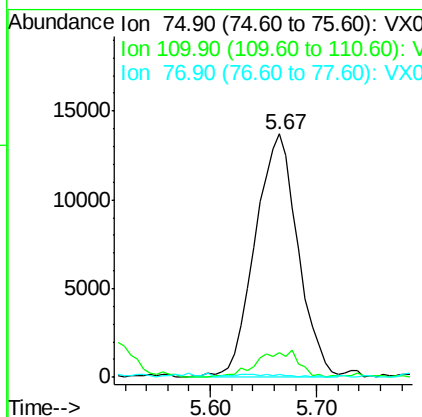
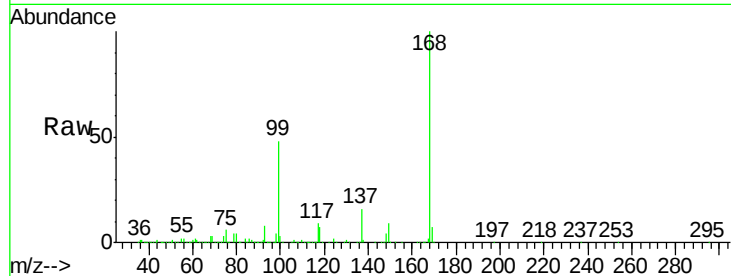




#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007092.D
 Acq: 17 Jan 2019 16:43

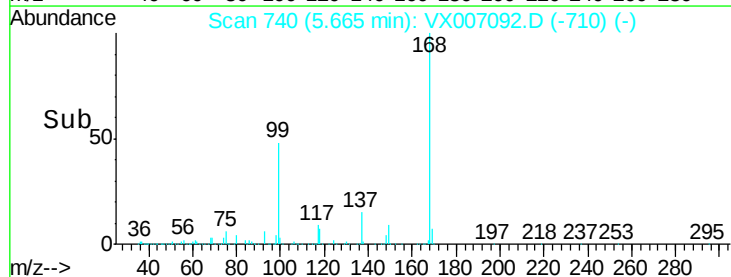
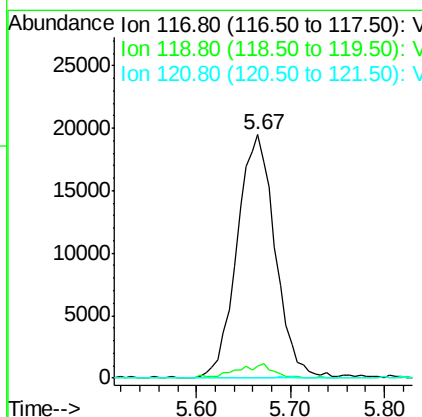
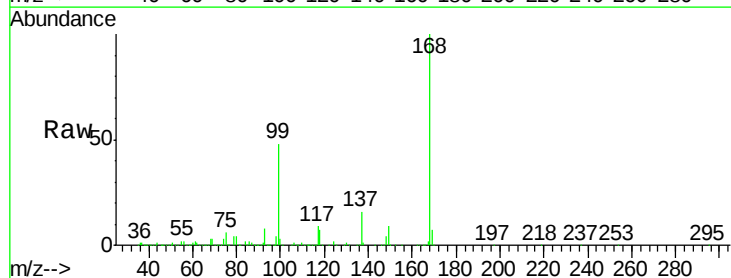
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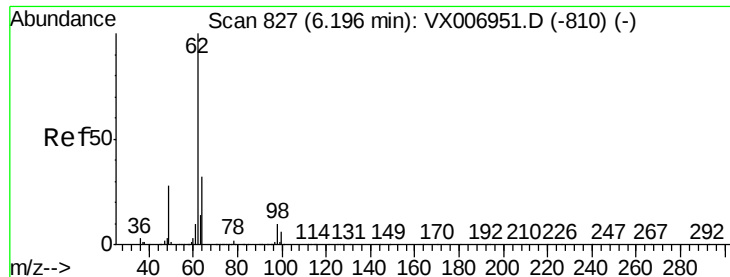
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.2	60.5#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.877 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007092.D
 Acq: 17 Jan 2019 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	79.4	119.2#
121	0.0	24.0	36.0#





#42

1,2-Dichloroethane

Concen: 2.808 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

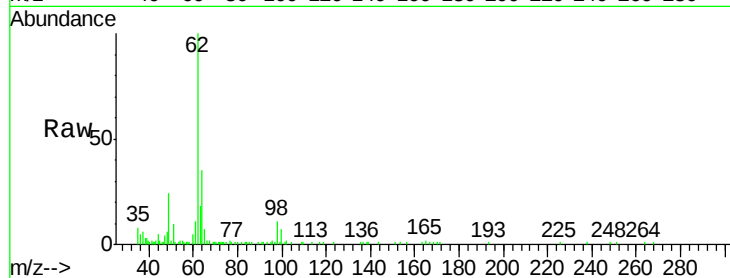
WP022MW001-190114

Tot Ion: 62 Resp: 23623

Ion Ratio Lower Upper

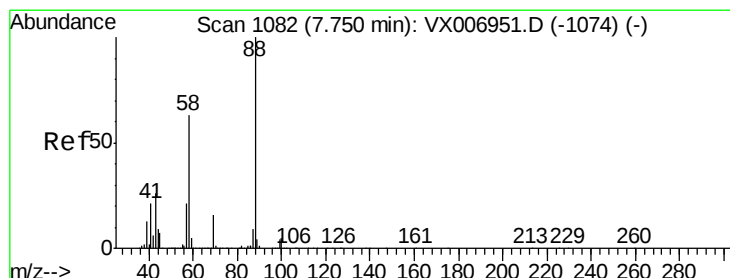
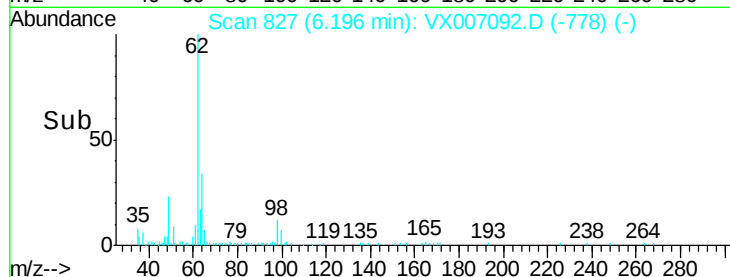
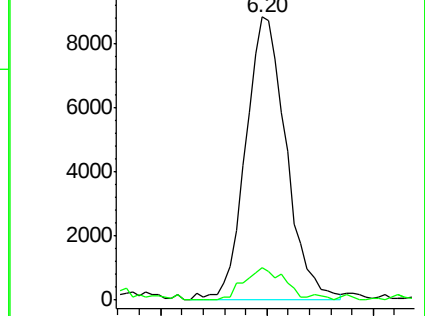
62 100

98 11.3 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

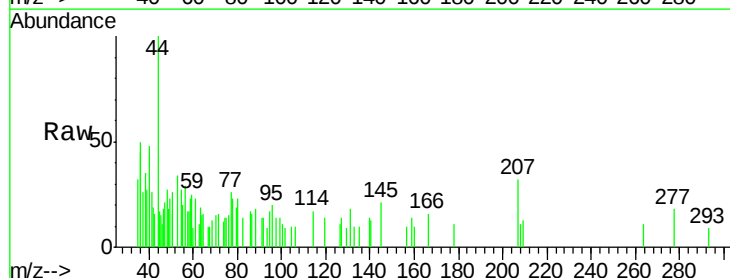
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 351.0 22.2 33.4#

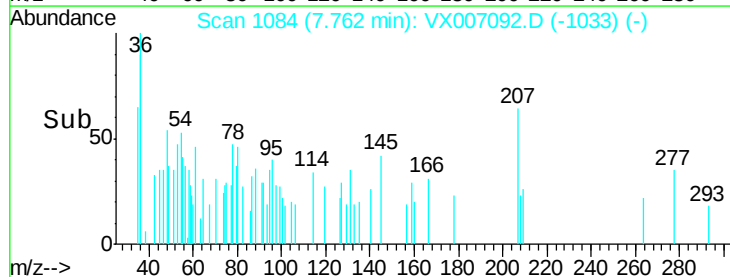
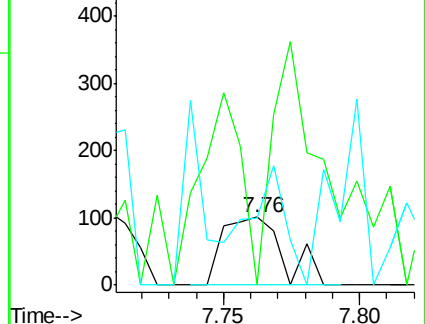
58 104.5 51.0 76.4#

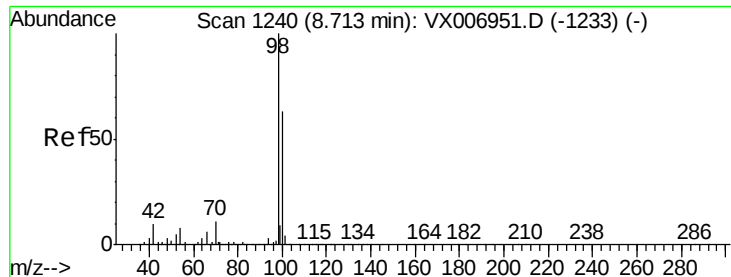


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.108 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

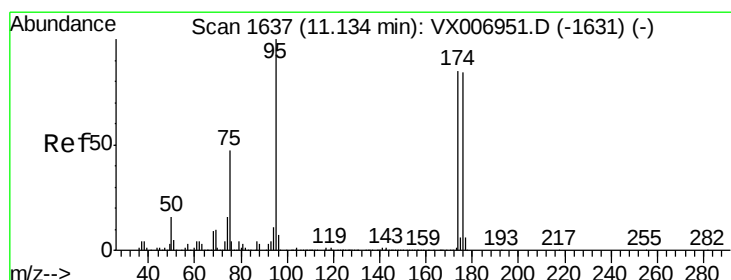
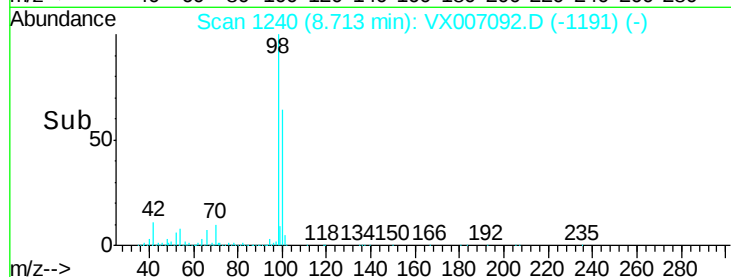
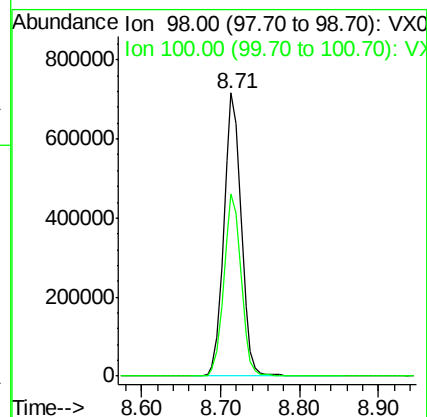
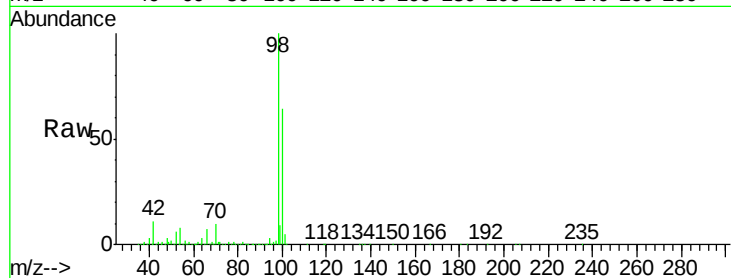
WP022MW001-190114

Tot Ion: 98 Resp: 1099289

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.809 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

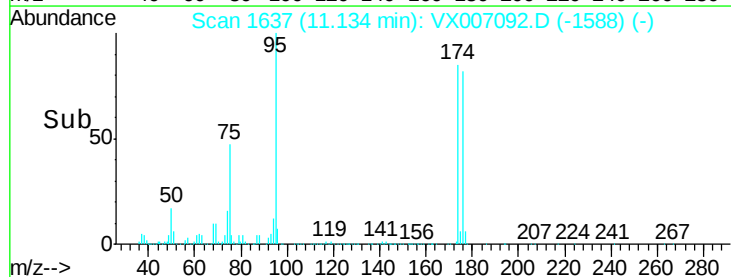
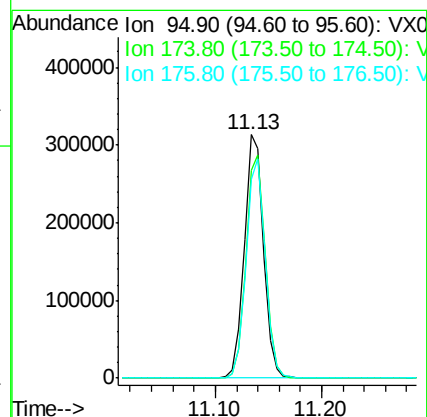
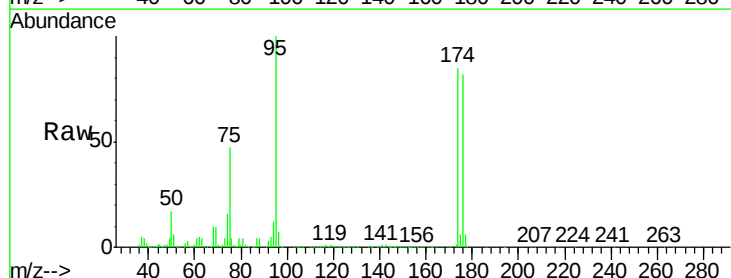
Tgt Ion: 95 Resp: 395990

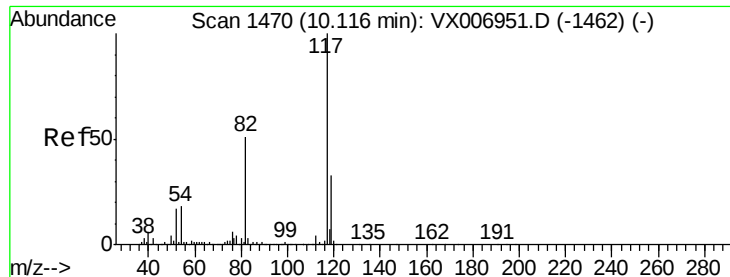
Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.2

176 89.9 0.0 178.8

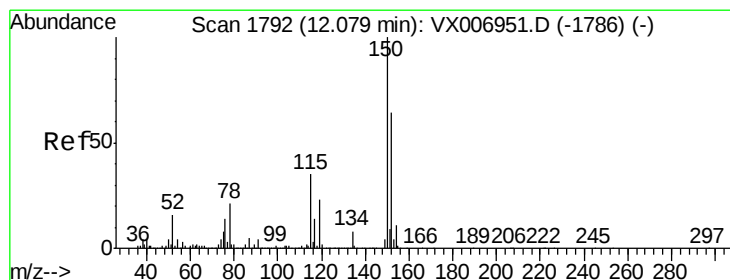
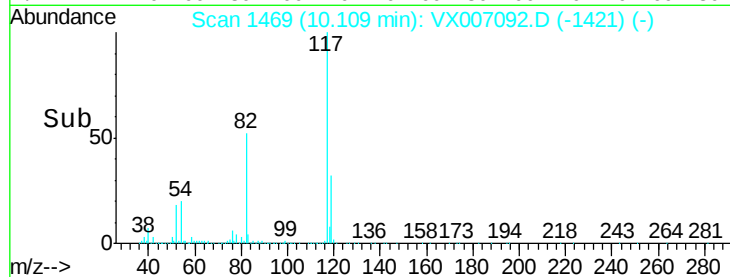
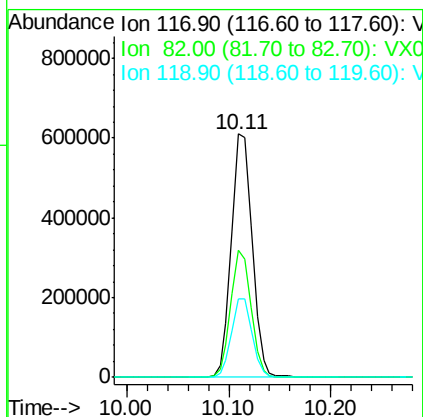
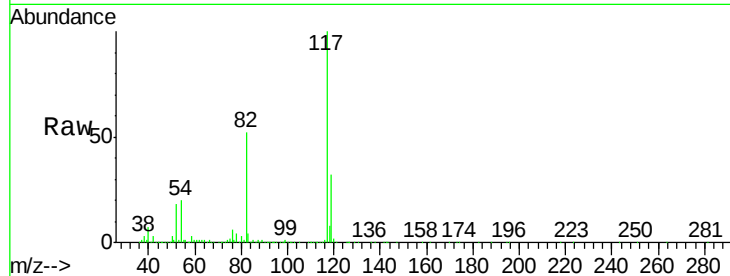




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

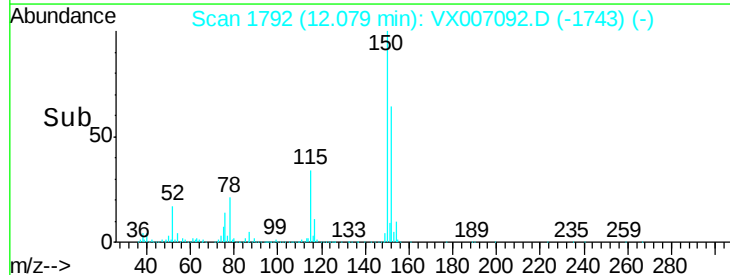
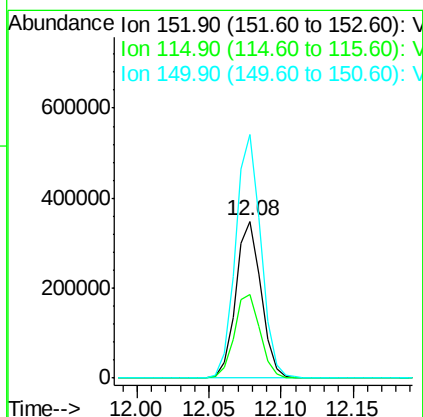
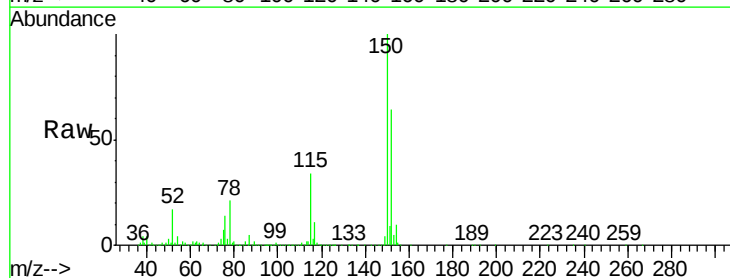
Instrument :
MSVOA_X
ClientSampleId :
WP022MW001-190114

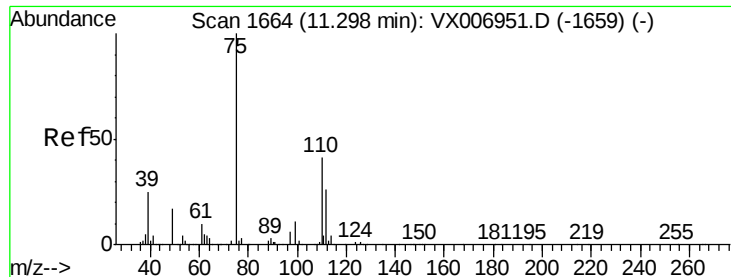
Tot Ion:117 Resp: 863174
Ion Ratio Lower Upper
117 100
82 52.4 41.0 61.6
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007092.D
Acq: 17 Jan 2019 16:43

Tgt Ion:152 Resp: 428780
Ion Ratio Lower Upper
152 100
115 54.6 39.1 117.2
150 155.5 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 21.671 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

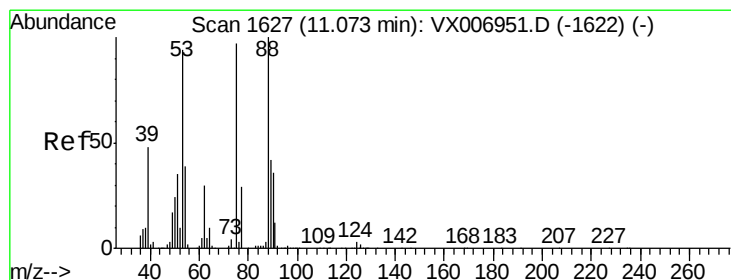
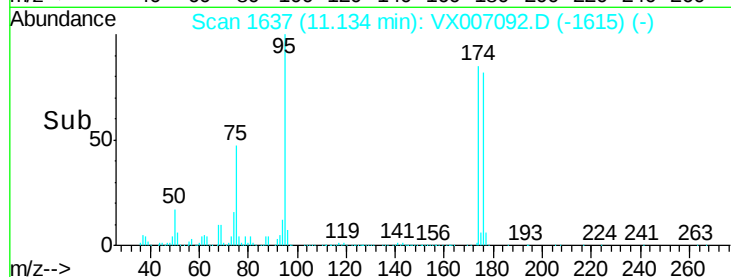
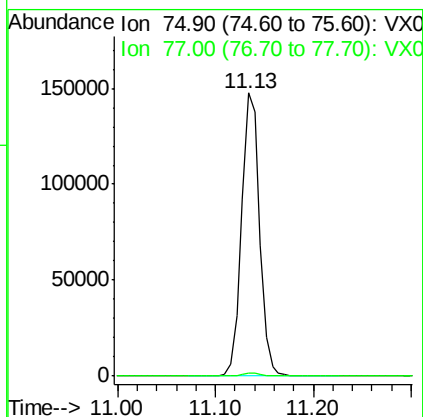
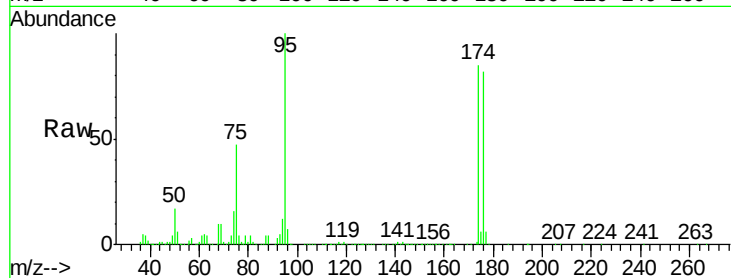
WP022MW001-190114

Tot Ion: 75 Resp: 188299

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.235 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

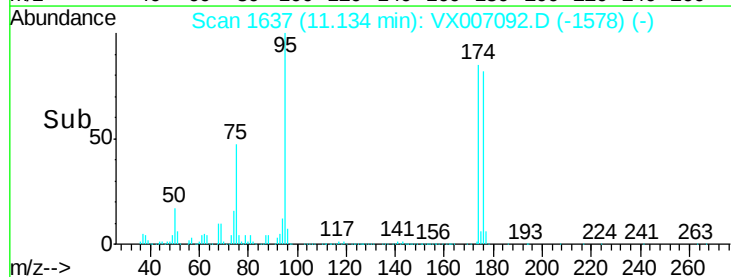
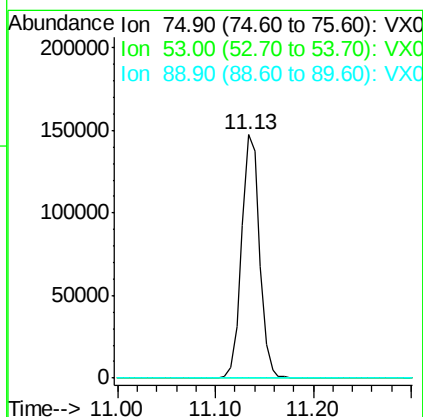
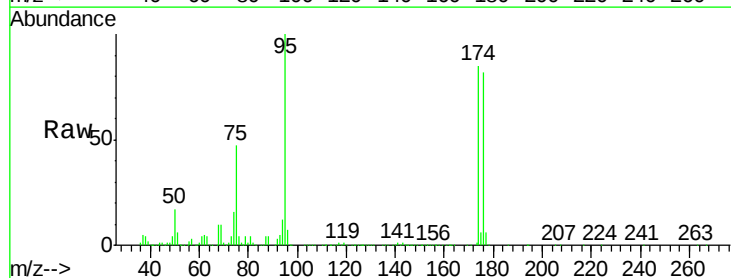
Tgt Ion: 75 Resp: 188299

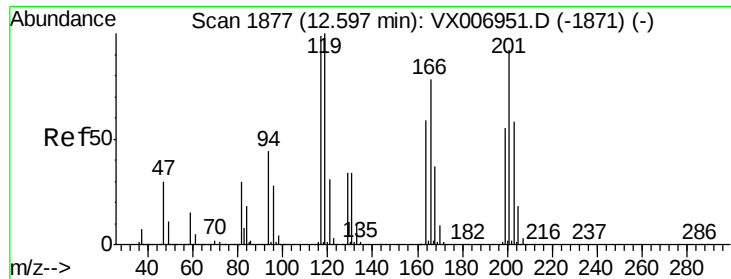
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 2.930 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007092.D

Acq: 17 Jan 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

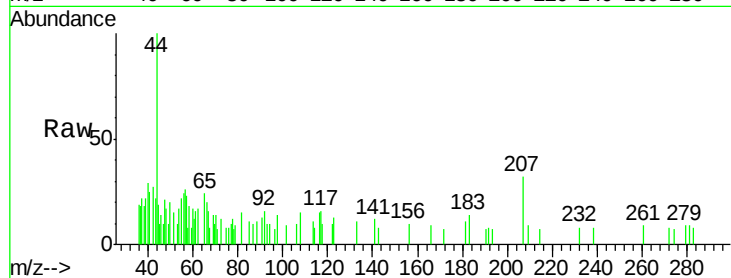
WP022MW001-190114

Tot Ion:117 Resp: 101

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

