

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007186.D
 Acq On : 22 Jan 2019 17:15
 Operator : JC/SP
 Sample : K1214-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW525-3337

Quant Time: Jan 23 00:05:56 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	513022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	798290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	755970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	371415	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	277384	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
35) Dibromofluoromethane	5.50	113	247049	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	8.71	98	960720	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.13	95	343611	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

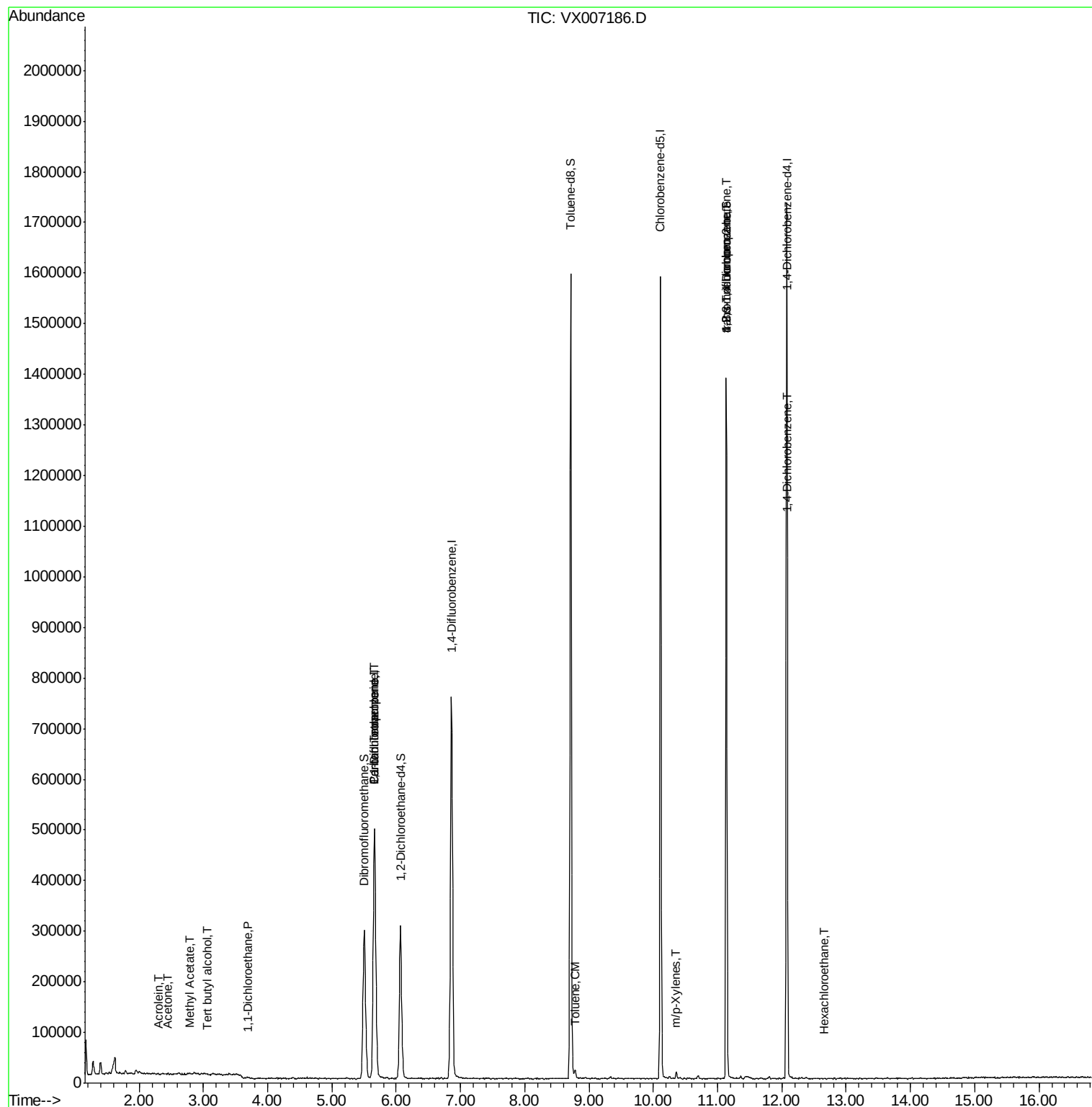
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	277	0.219	ug/l #	1
13) Acrolein	2.29	56	268	3.569	ug/l #	71
16) Acetone	2.44	43	3165	1.194	ug/l #	68
18) Methyl Acetate	2.78	43	2179	0.284	ug/l #	86
20) Methylene Chloride	2.85	84	1743	Below Cal	#	66
24) 1,1-Dichloroethane	3.70	63	1717	0.202	ug/l #	69
36) 1,1-Dichloropropene	5.66	75	33679	4.853	ug/l #	39
38) Carbon Tetrachloride	5.66	117	45717	6.547	ug/l #	14
49) 1,4-Dioxane	7.73	88	183	Below Cal	#	70
52) Toluene	8.79	92	5043	0.370	ug/l	88
68) m/p-Xylenes	10.35	106	3663	0.342	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	164617	21.871	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	164617	64.794	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	878	0.216	ug/l #	1
90) Hexachloroethane	12.65	117	64	2.924	ug/l	58

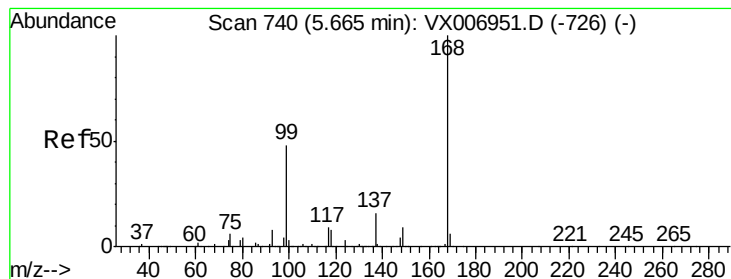
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

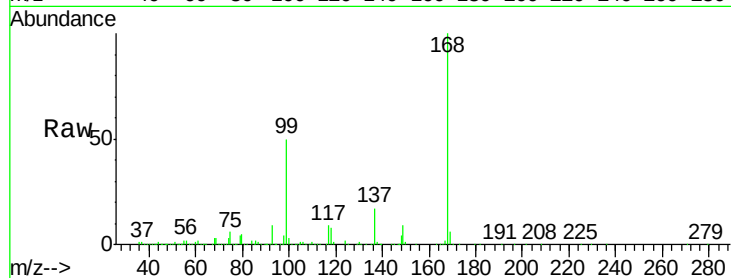
SA-TW525-3337

Tot Ion:168 Resp: 513022

Ion Ratio Lower Upper

168 100

99 50.3 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

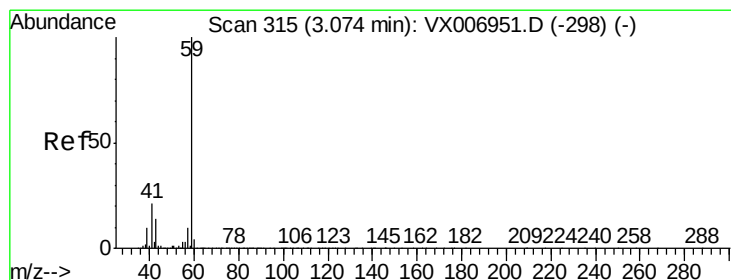
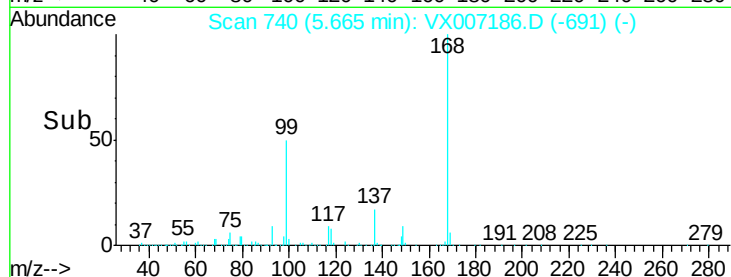
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.219 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007186.D

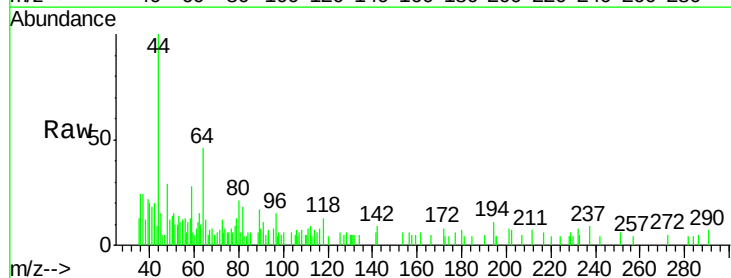
Acq: 22 Jan 2019 17:15

Tgt Ion: 59 Resp: 277

Ion Ratio Lower Upper

59 100

57 132.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

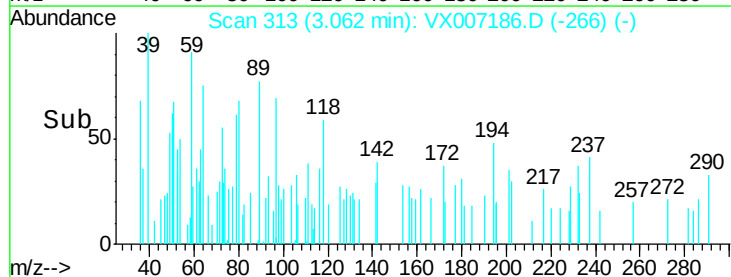
600

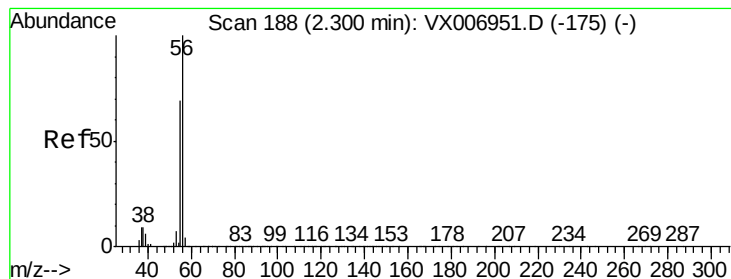
400

200

0

Time-->





#13

Acrolein

Concen: 3.569 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

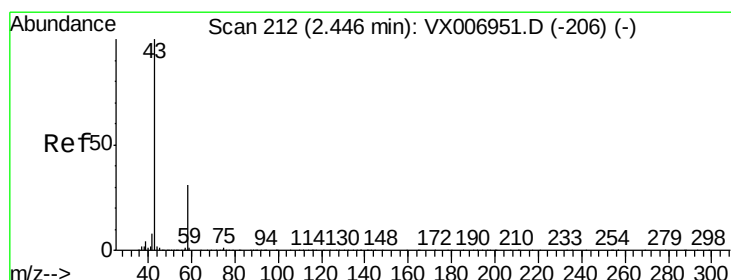
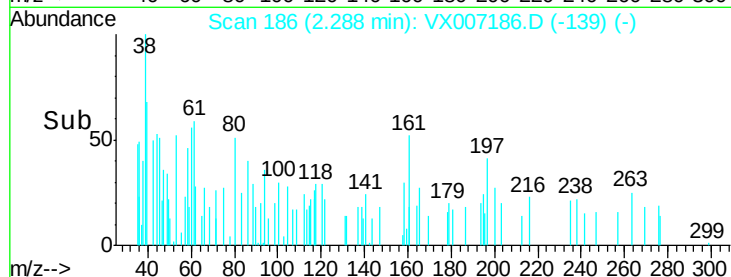
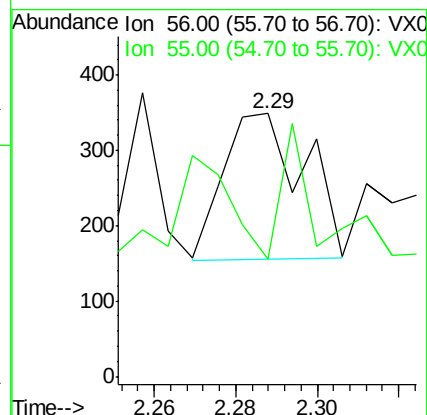
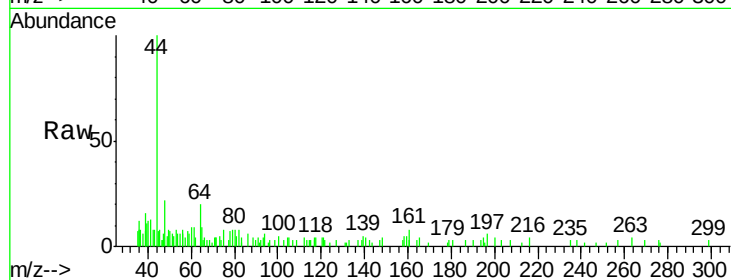
SA-TW525-3337

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

55 48.9 58.2 87.4#



#16

Acetone

Concen: 1.194 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007186.D

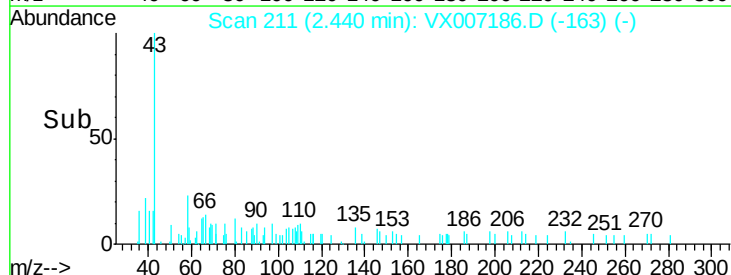
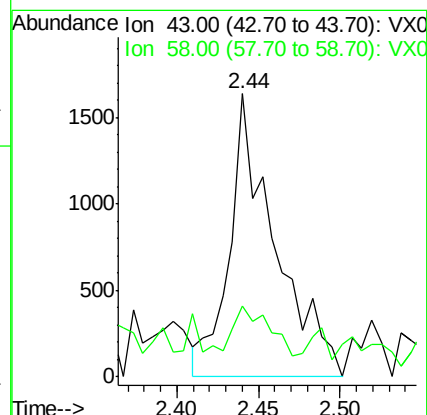
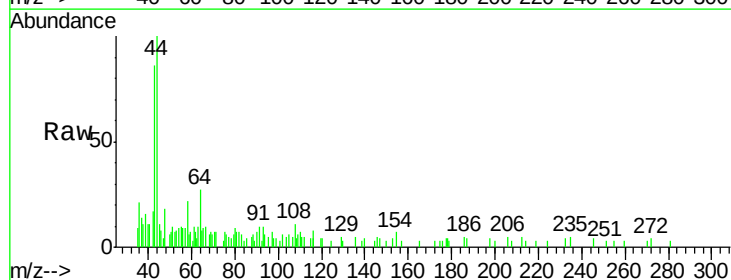
Acq: 22 Jan 2019 17:15

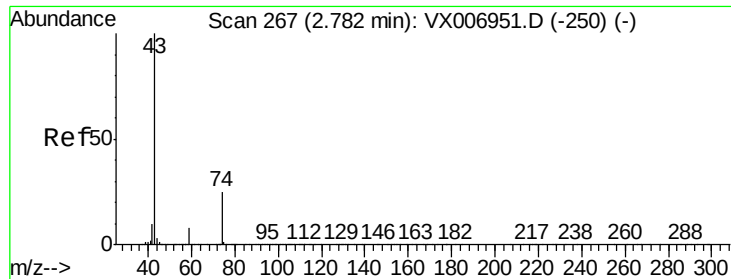
Tgt Ion: 43 Resp: 3165

Ion Ratio Lower Upper

43 100

58 13.6 25.0 37.6#

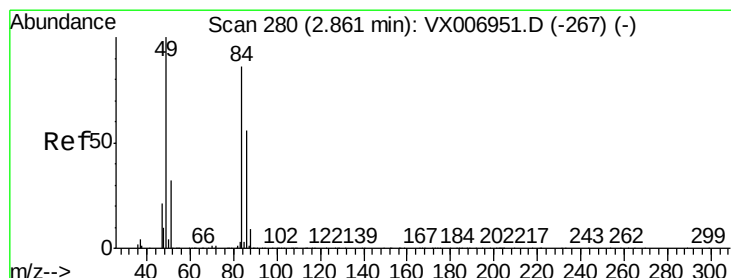
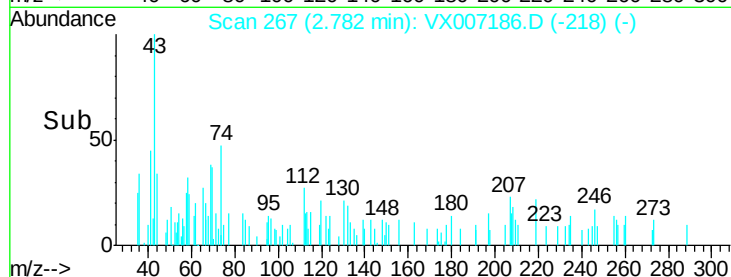
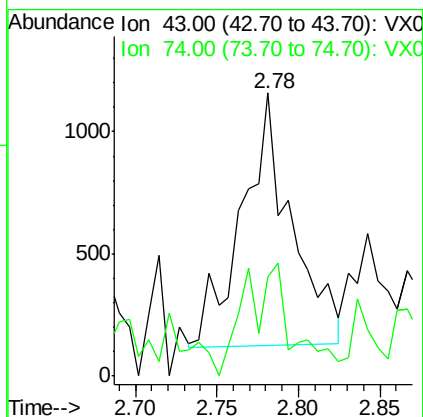
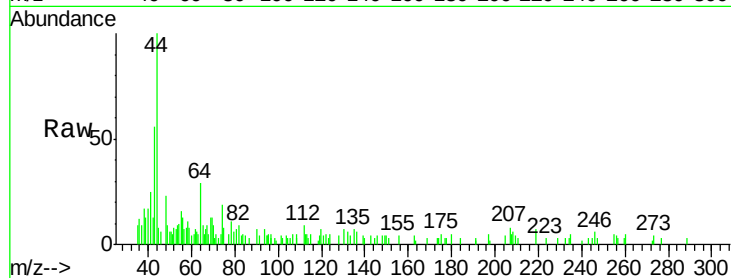




#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007186.D
Acq: 22 Jan 2019 17:15

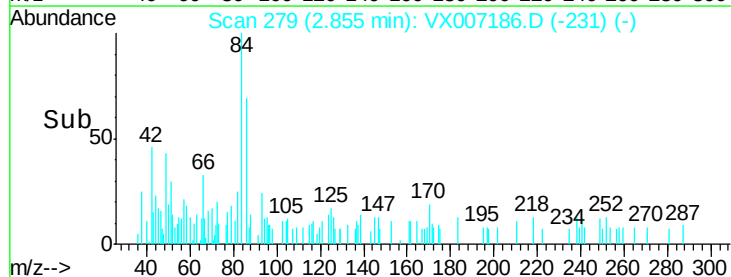
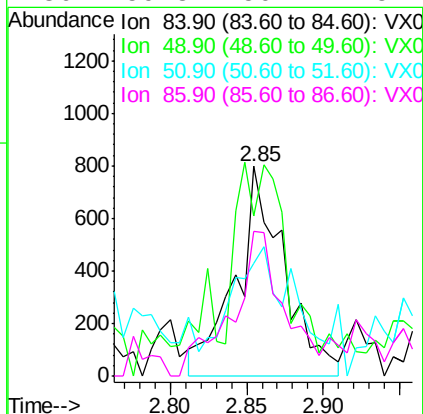
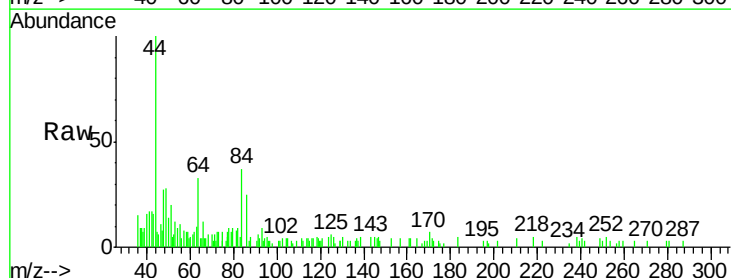
Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-3337

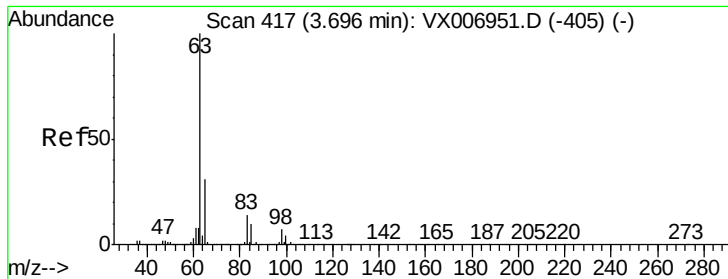
Tot Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
74 16.7 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007186.D
Acq: 22 Jan 2019 17:15

Tgt Ion: 84 Resp: 1743
Ion Ratio Lower Upper
84 100
49 53.2 91.8 137.6#
51 42.2 28.5 42.7
86 59.8 50.2 75.2

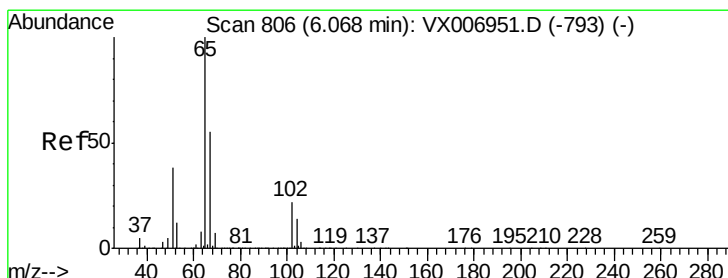
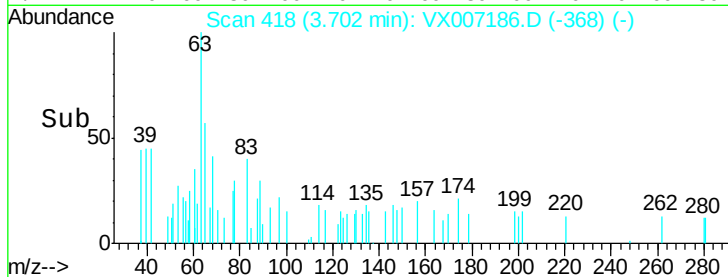
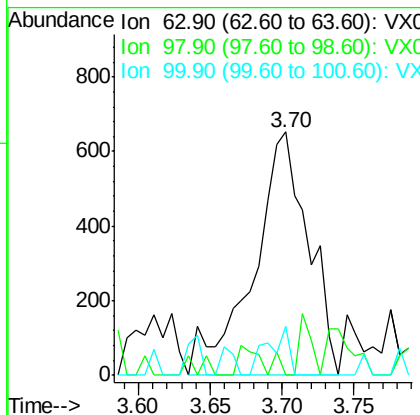
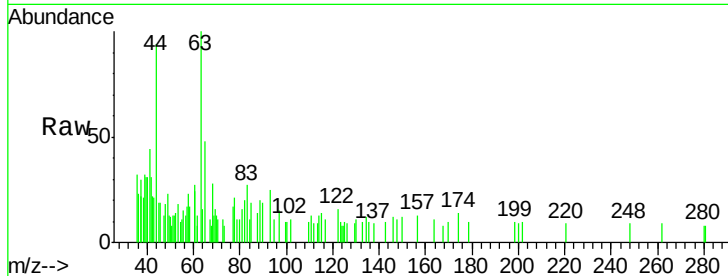




#24
 1,1-Dichloroethane
 Concen: 0.202 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX007186.D
 Acq: 22 Jan 2019 17:15

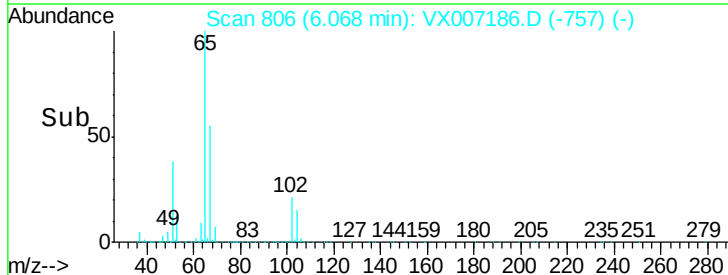
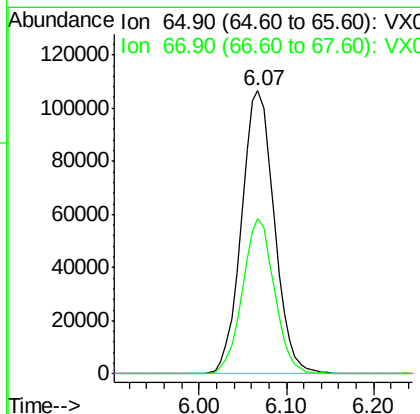
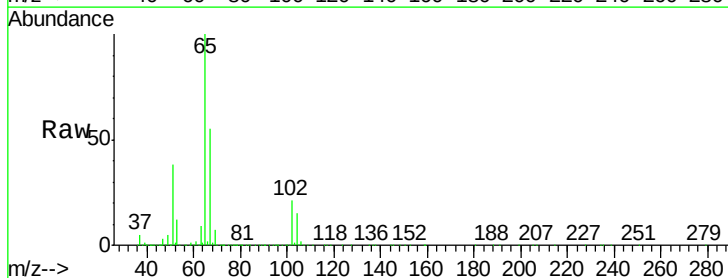
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW525-3337

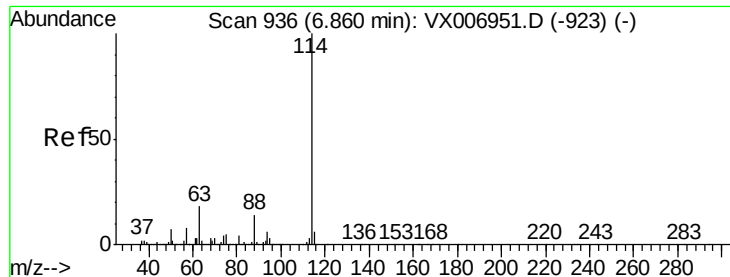
Tot Ion: 63 Resp: 1717
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.5#
 100 20.2 2.4 7.2#



#33
 1,2-Dichloroethane-d4
 Concen: 51.736 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007186.D
 Acq: 22 Jan 2019 17:15

Tgt Ion: 65 Resp: 277384
 Ion Ratio Lower Upper
 65 100
 67 53.2 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: VX007186.D

Acq: 22 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-3337

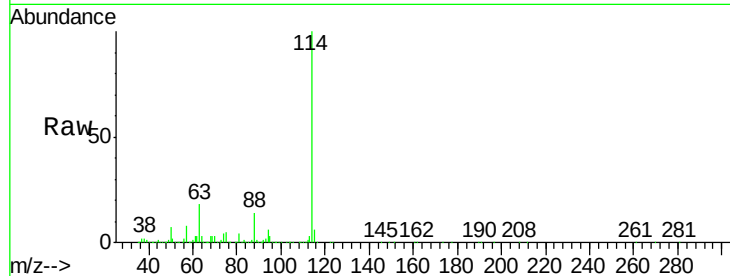
Tot Ion:114 Resp: 798290

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

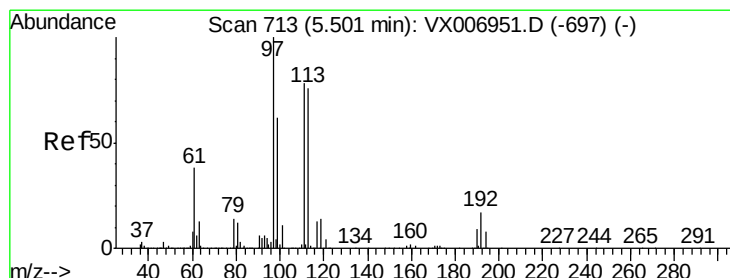
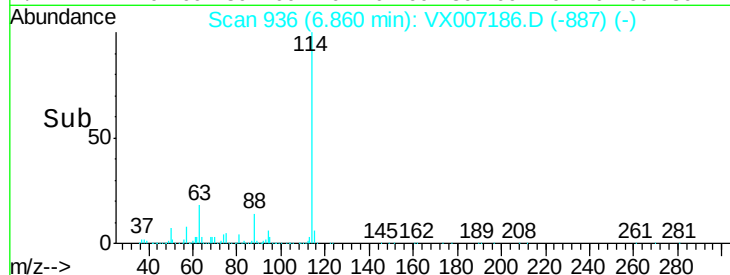
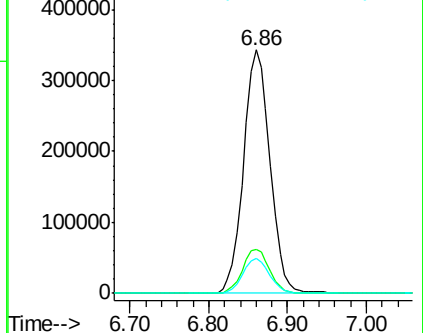
88 14.5 0.0 28.8



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: 48.325 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

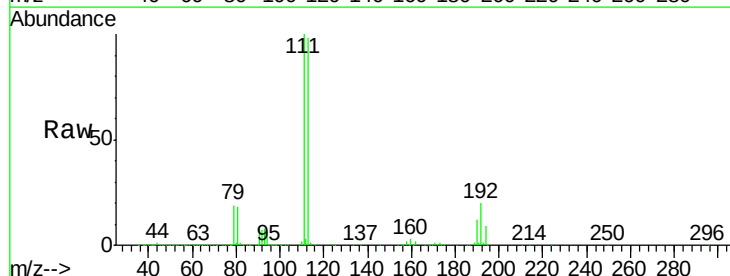
Tgt Ion:113 Resp: 247049

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

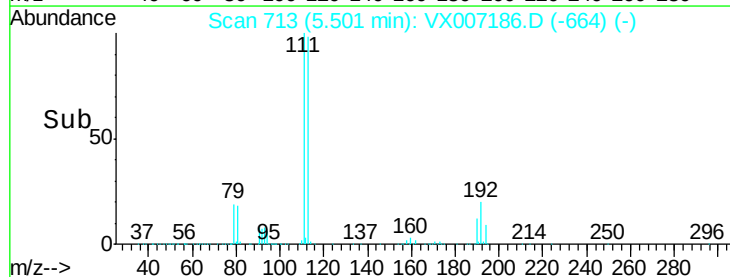
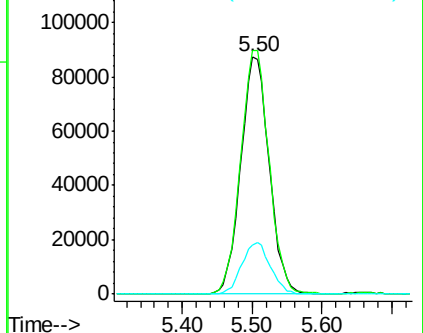
192 21.9 16.7 25.1

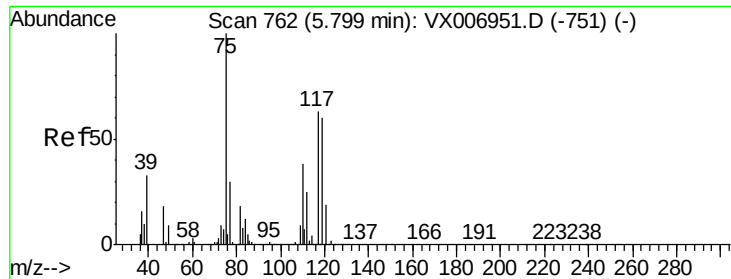


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-3337

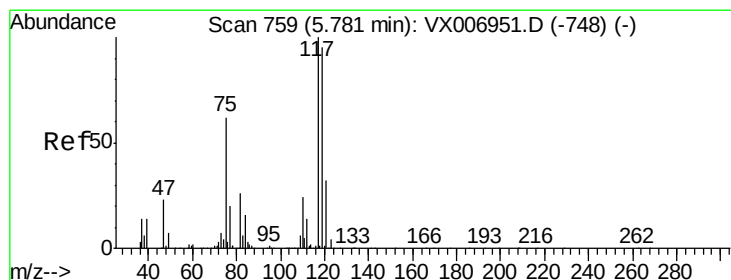
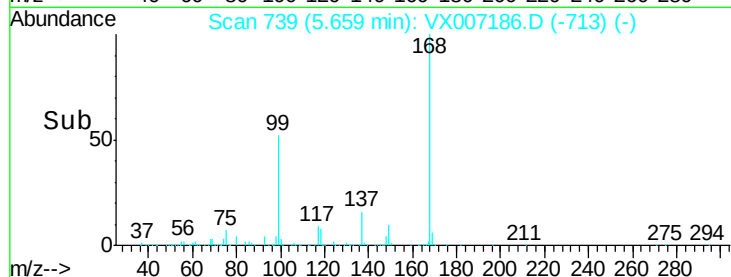
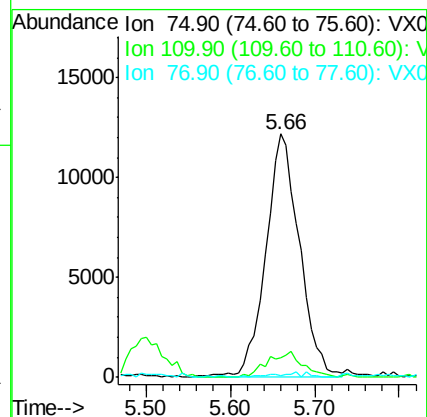
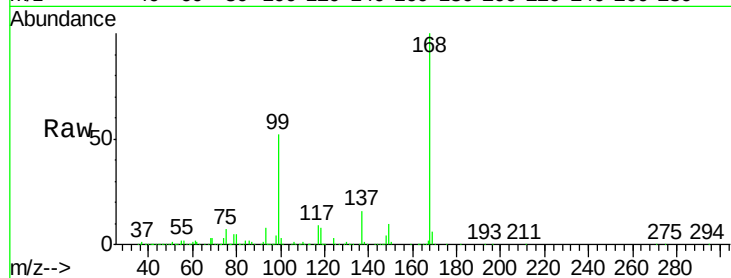
Tot Ion: 75 Resp: 33679

Ion Ratio Lower Upper

75 100

110 0.0 20.2 60.5#

77 0.8 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

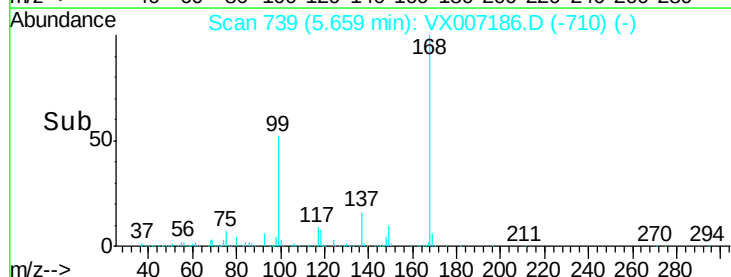
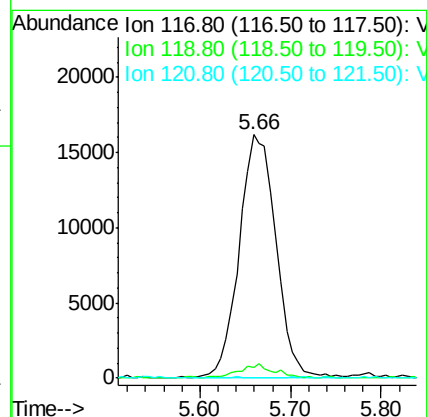
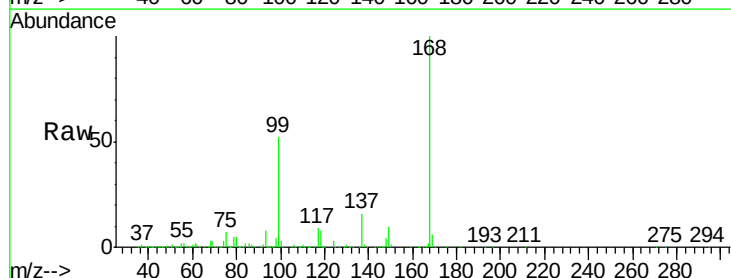
Tgt Ion: 117 Resp: 45717

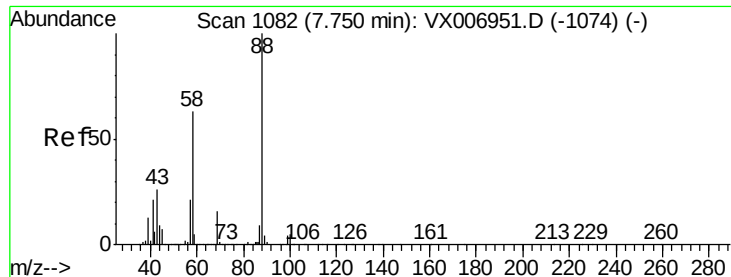
Ion Ratio Lower Upper

117 100

119 4.2 79.4 119.2#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

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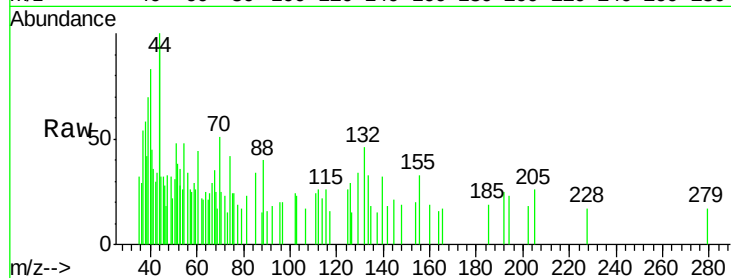
Tot Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

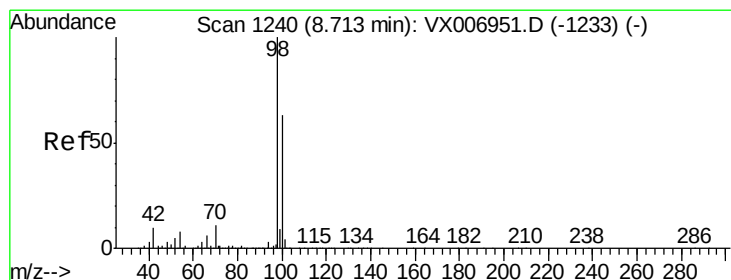
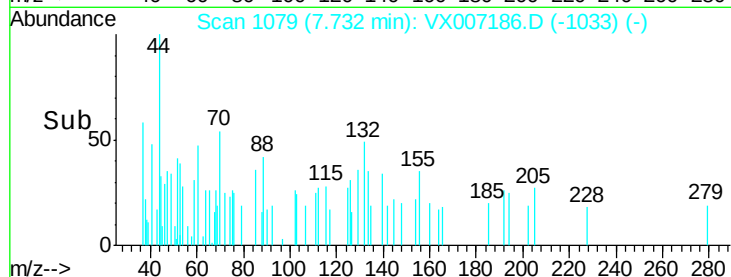
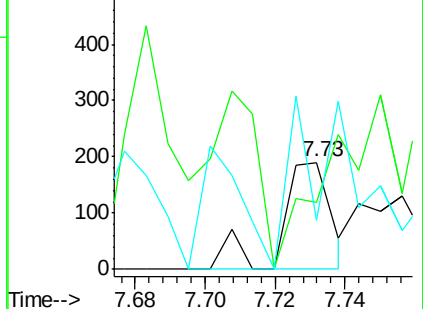
58 79.2 51.0 76.4#



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: 51.342 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007186.D

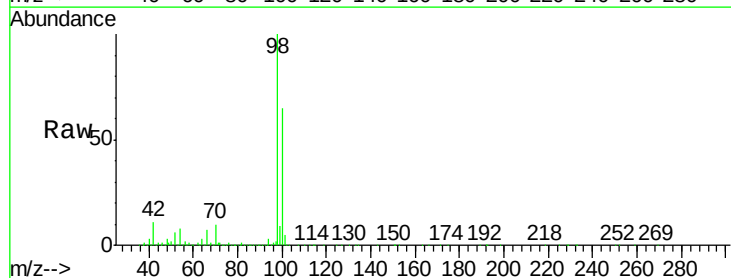
Acq: 22 Jan 2019 17:15

Tgt Ion: 98 Resp: 960720

Ion Ratio Lower Upper

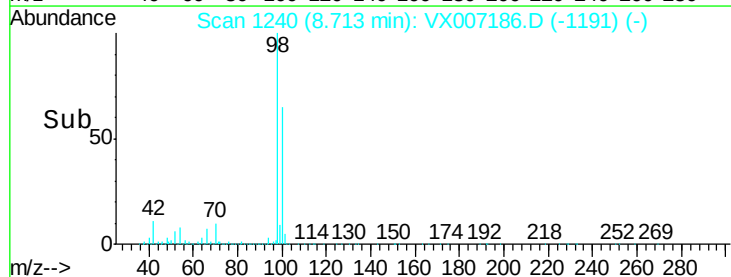
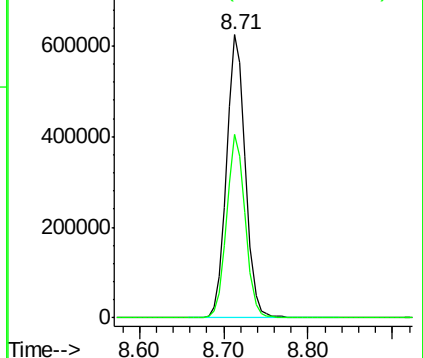
98 100

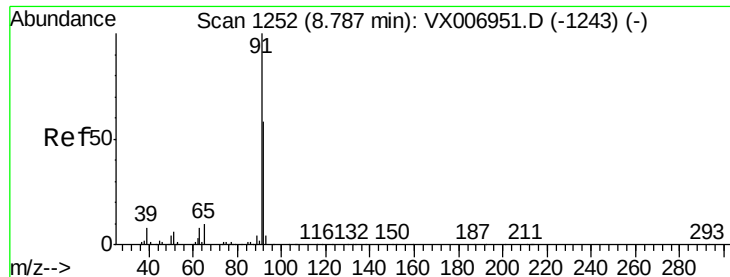
100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.370 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

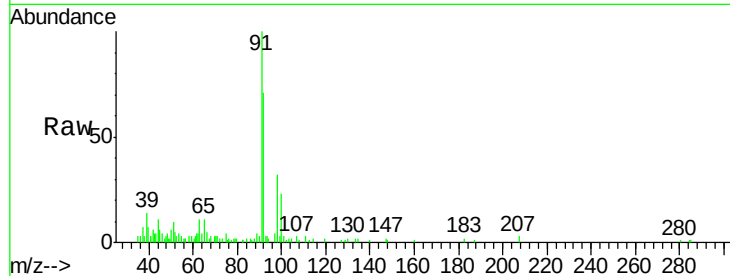
SA-TW525-3337

Tot Ion: 92 Resp: 5043

Ion Ratio Lower Upper

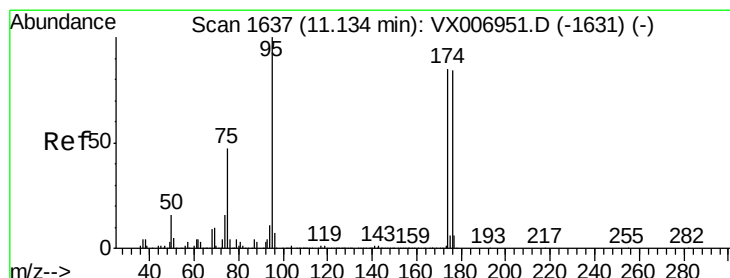
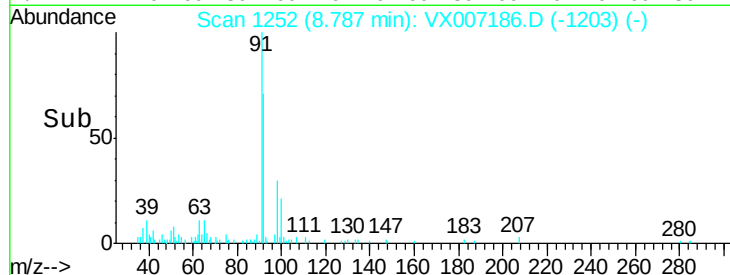
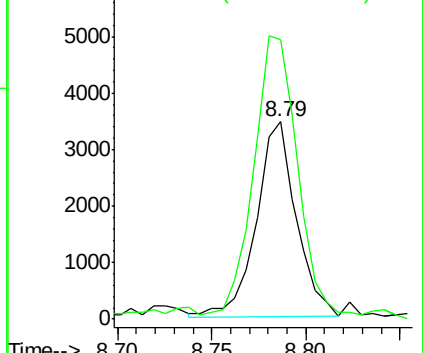
92 100

91 155.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.672 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

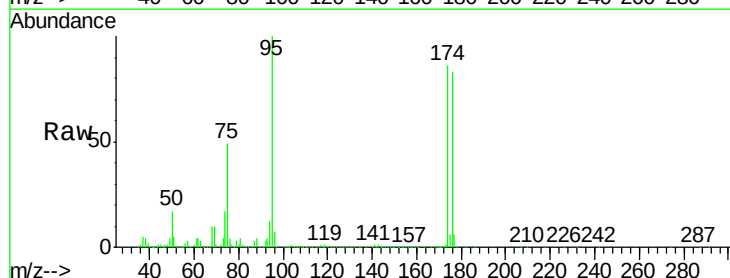
Tgt Ion: 95 Resp: 343611

Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.2

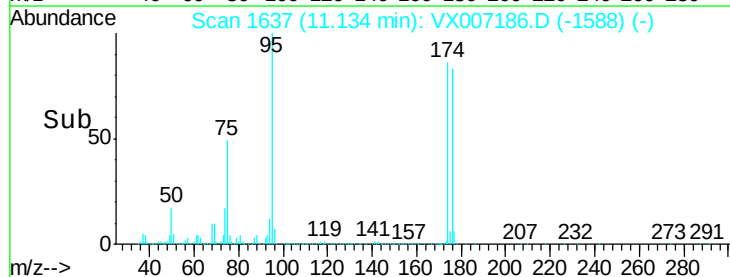
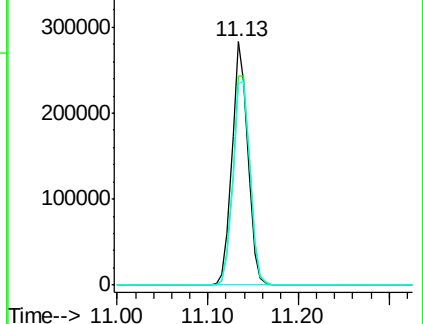
176 89.9 0.0 178.8

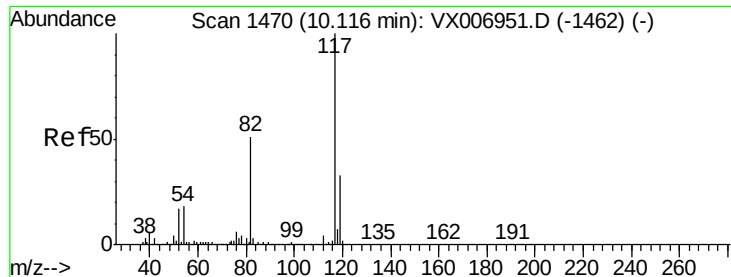


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

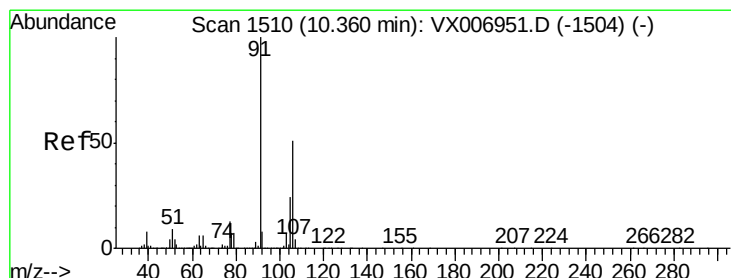
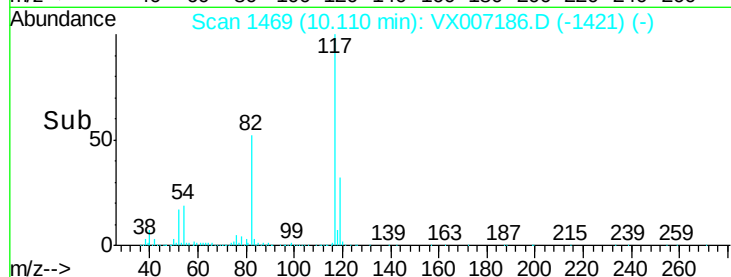
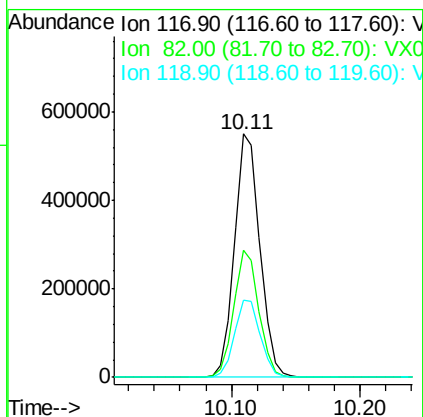
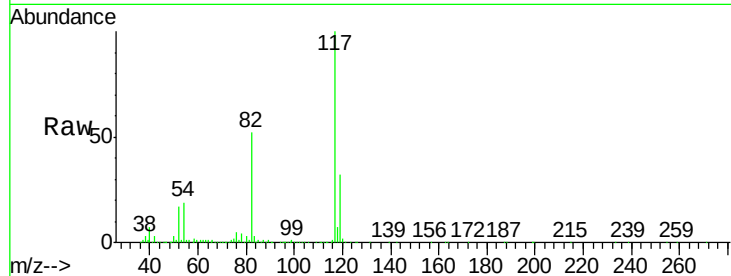




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007186.D
Acq: 22 Jan 2019 17:15

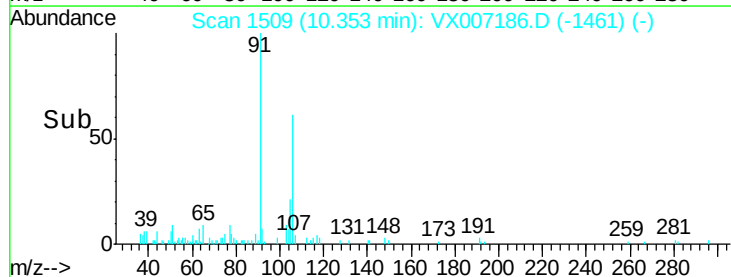
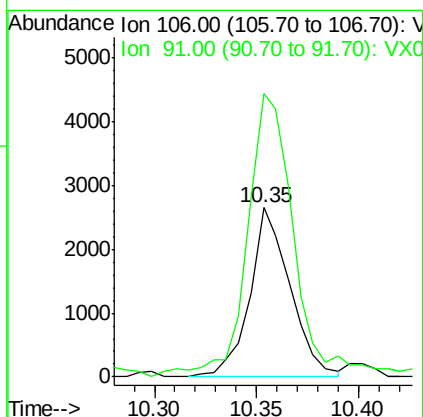
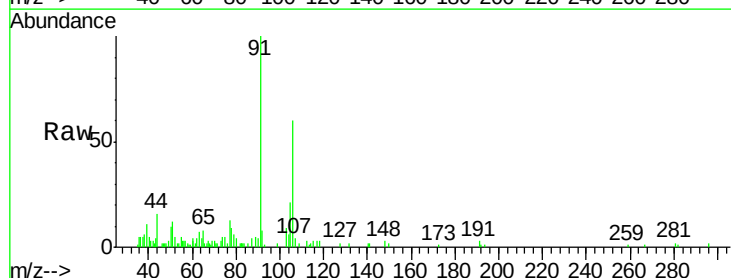
Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-3337

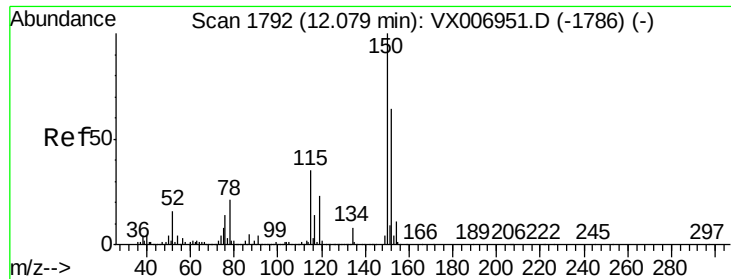
Tot Ion:117 Resp: 755970
Ion Ratio Lower Upper
117 100
82 52.4 41.0 61.6
119 31.6 25.4 38.0



#68
m/p-Xylenes
Concen: 0.342 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX007186.D
Acq: 22 Jan 2019 17:15

Tgt Ion:106 Resp: 3663
Ion Ratio Lower Upper
106 100
91 197.0 155.8 233.6



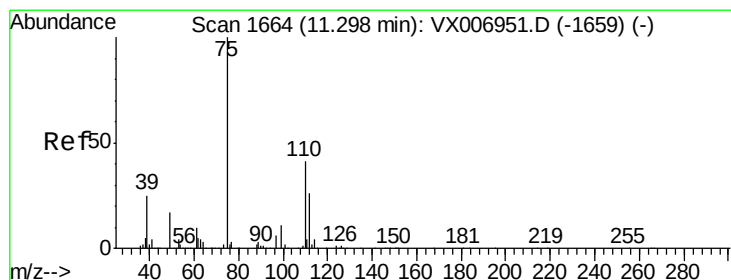
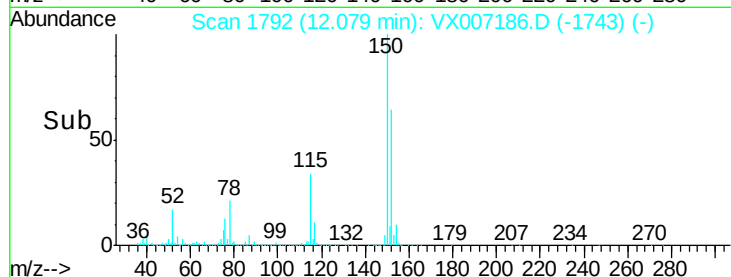
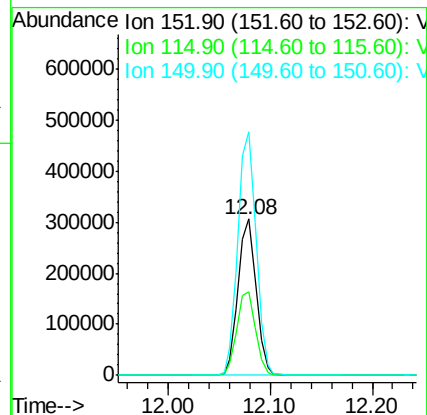
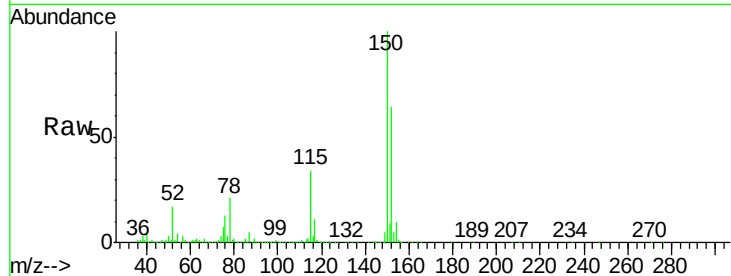


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007186.D
Acq: 22 Jan 2019 17:15

Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-3337

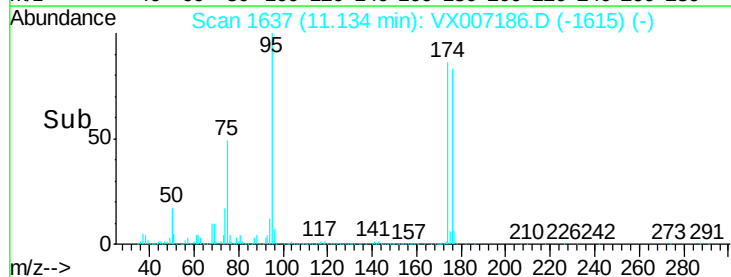
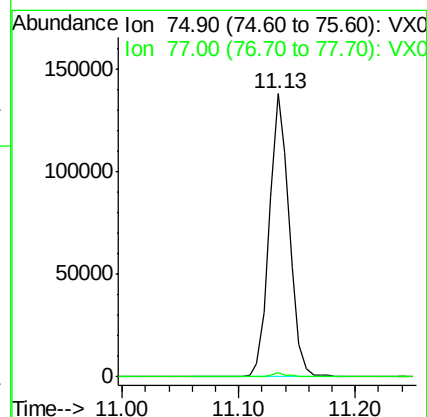
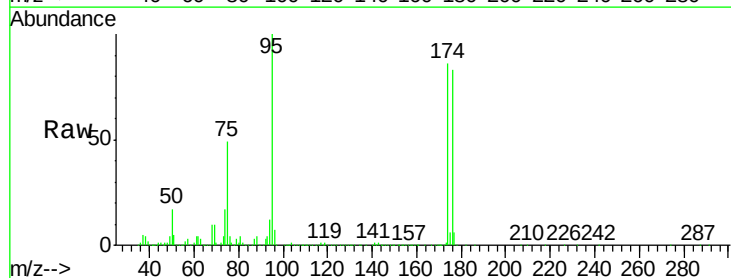
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.1	117.2
150	157.7	0.0	344.8

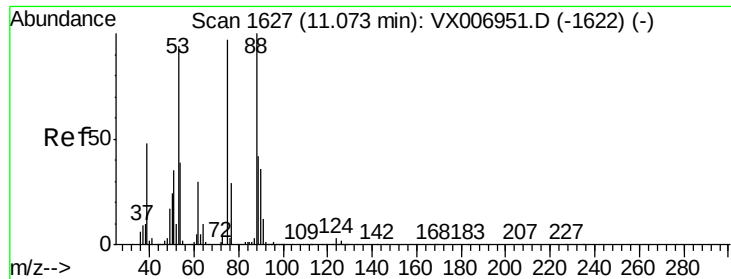


#76

1,2,3-Trichloropropane
Concen: 21.871 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007186.D
Acq: 22 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.5	55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.794 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-3337

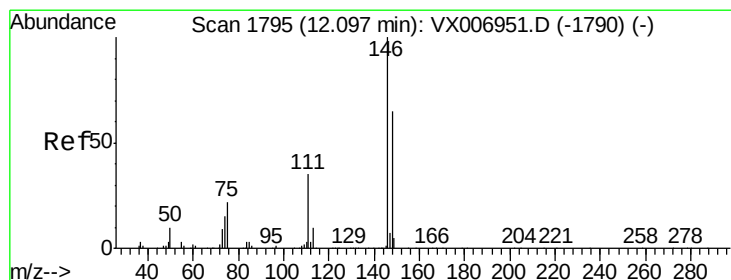
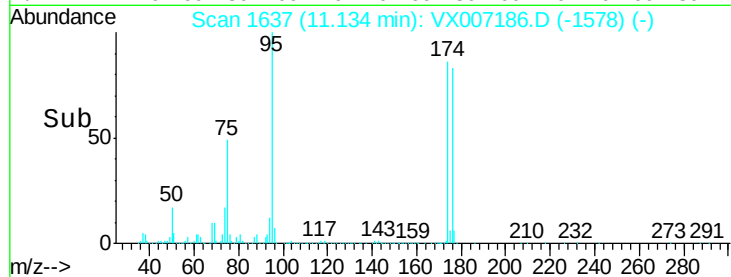
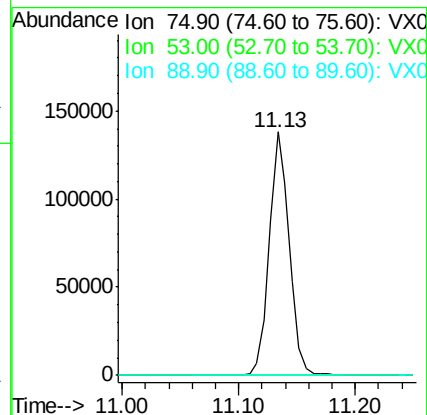
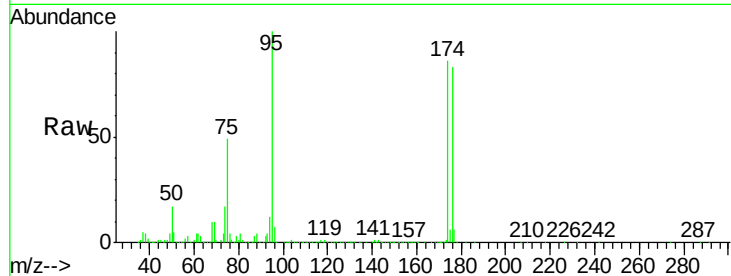
Tot Ion: 75 Resp: 164617

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.1 38.0 57.0#



#88

1,4-Dichlorobenzene

Concen: 0.216 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

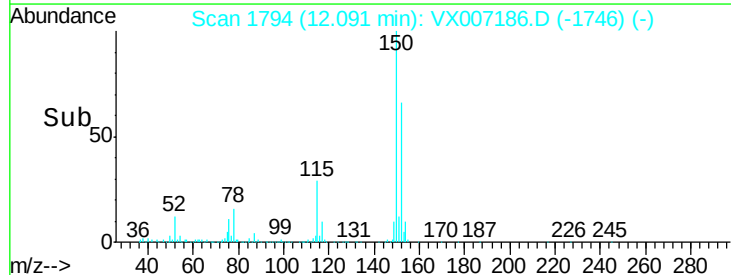
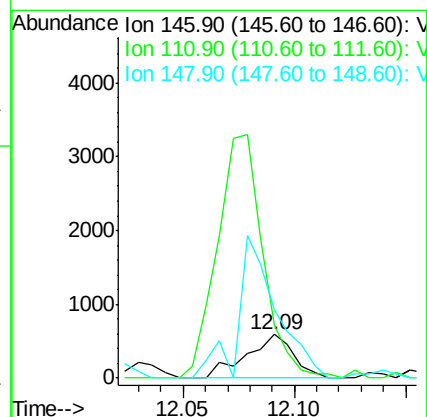
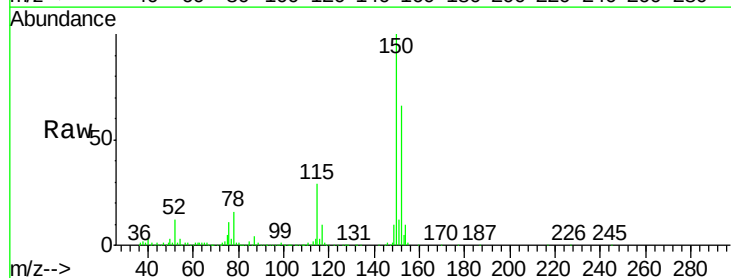
Tgt Ion: 146 Resp: 878

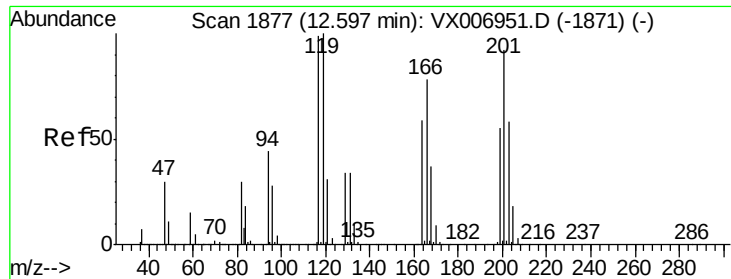
Ion Ratio Lower Upper

146 100

111 536.6 18.1 54.1#

148 268.0 31.9 95.9#





#90

Hexachloroethane

Concen: 2.924 ug/l

RT: 12.65 min Scan# 1886

Delta R.T. 0.06 min

Lab File: VX007186.D

Acq: 22 Jan 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-3337

Tot Ion:117 Resp: 64

Ion Ratio Lower Upper

117 100

201 46.9 42.9 128.7

