

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002622.D
 Acq On : 16 Jun 2018 02:48
 Operator : JC/MD
 Sample : J3467-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-061218

Quant Time: Jun 16 03:52:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167131	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	155923	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
35) Dibromofluoromethane	5.51	113	119212	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	
50) Toluene-d8	8.72	98	464821	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.14	95	161272	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	

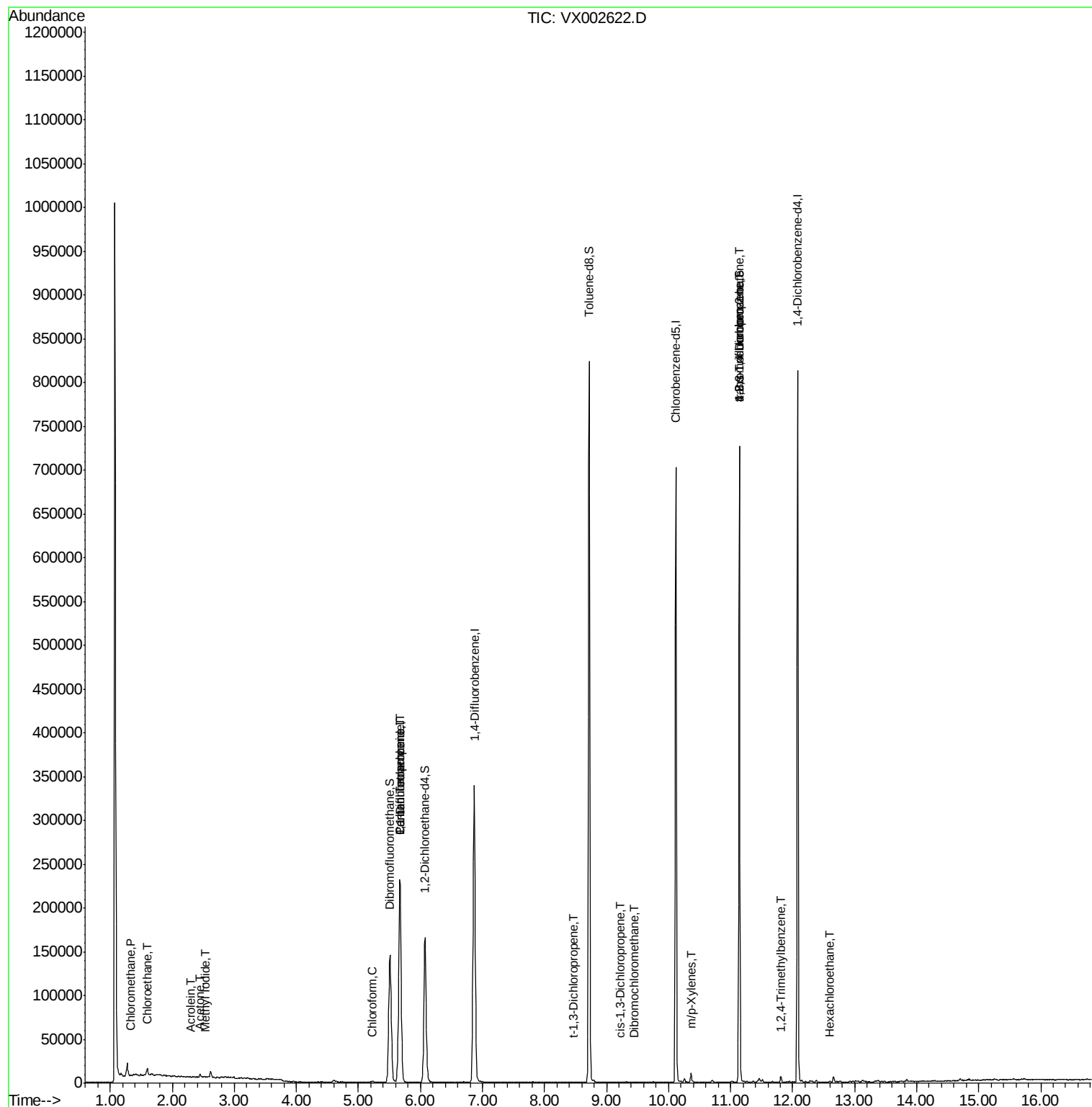
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	630	0.22	ug/l	89
6) Chloroethane	1.59	64	4457	2.25	ug/l #	55
10) Methyl Iodide	2.53	142	1244	5.48	ug/l #	88
13) Acrolein	2.30	56	172	7.36	ug/l #	72
16) Acetone	2.45	43	3638	2.37	ug/l	99
30) Chloroform	5.22	83	1097	0.23	ug/l	87
36) 1,1-Dichloropropene	5.67	75	16070	4.59	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20556	5.89	ug/l #	15
53) t-1,3-Dichloropropene	8.47	75	26	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.23	75	23	3.22	ug/l #	33
60) Dibromochloromethane	9.45	129	22	3.77	ug/l #	11
68) m/p-Xylenes	10.37	106	2405	0.50	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	86167	27.32	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86167	84.29	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	2954	0.31	ug/l	97
90) Hexachloroethane	12.60	117	23	2.64	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002622.D

Acq: 16 Jun 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

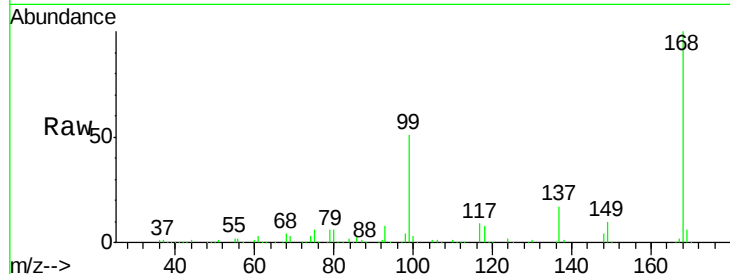
C-MW-09-061218

Tot Ion:168 Resp: 228928

Ion Ratio Lower Upper

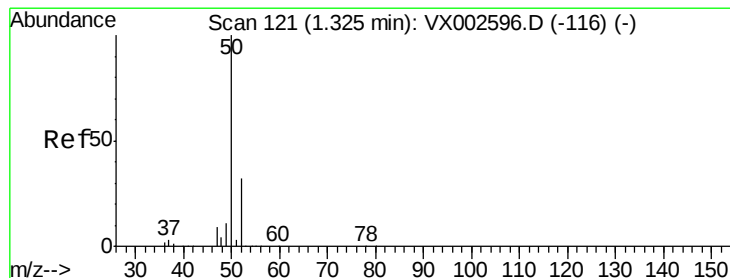
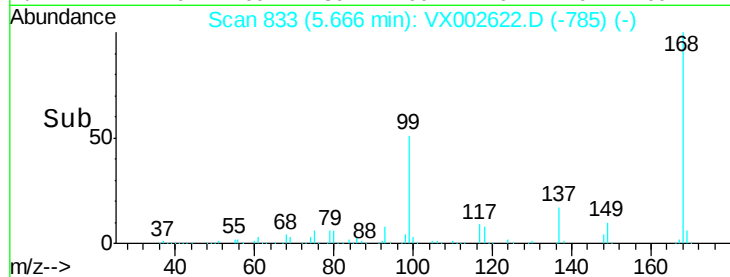
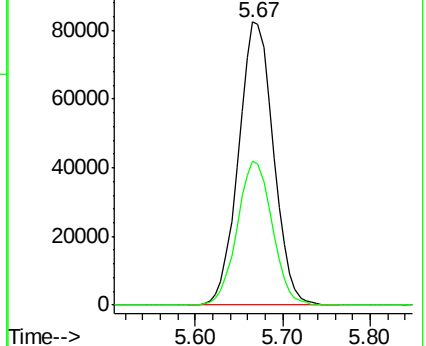
168 100

99 50.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002622.D

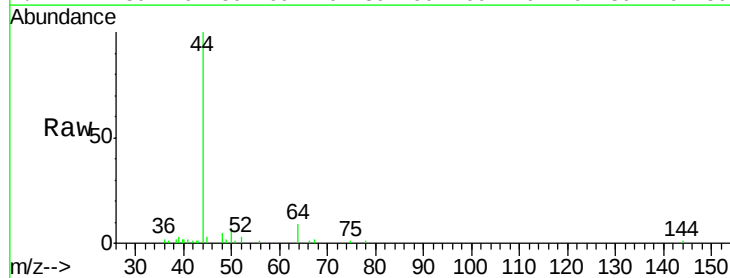
Acq: 16 Jun 2018 02:48

Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

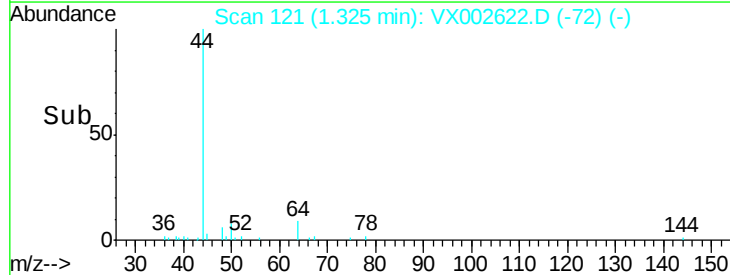
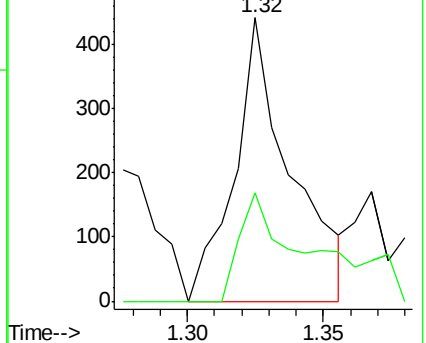
50 100

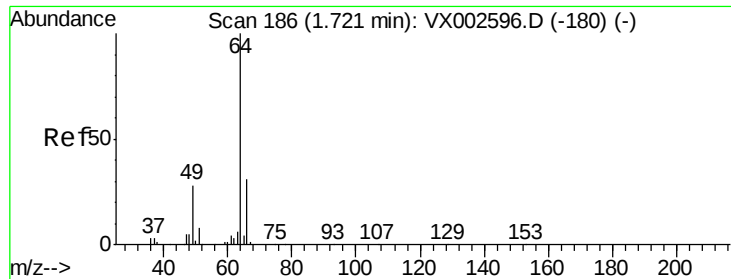
52 38.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 2.25 ug/l

RT: 1.59 min Scan# 165

Delta R.T. -0.13 min

Lab File: VX002622.D

Acq: 16 Jun 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

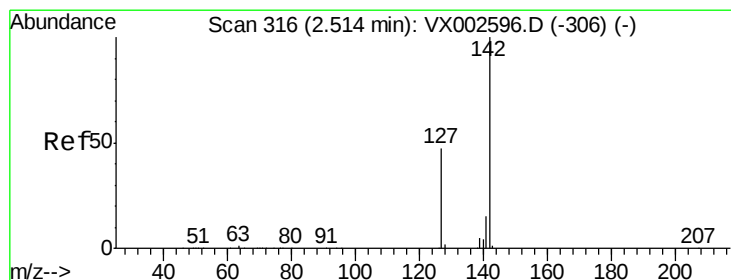
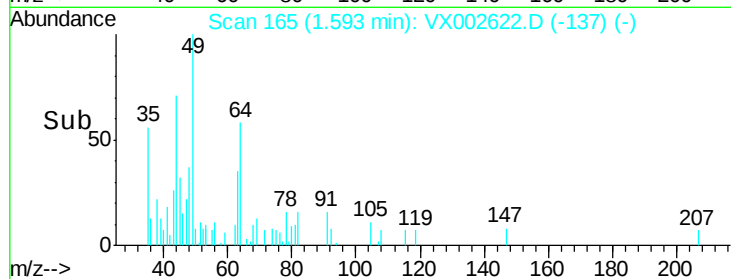
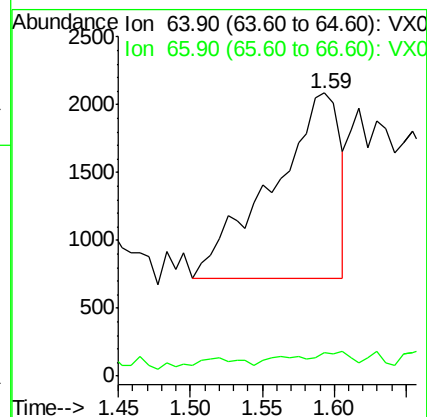
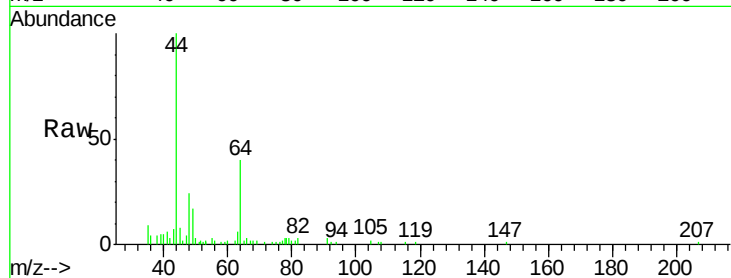
C-MW-09-061218

Tot Ion: 64 Resp: 4457

Ion Ratio Lower Upper

64 100

66 7.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.48 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002622.D

Acq: 16 Jun 2018 02:48

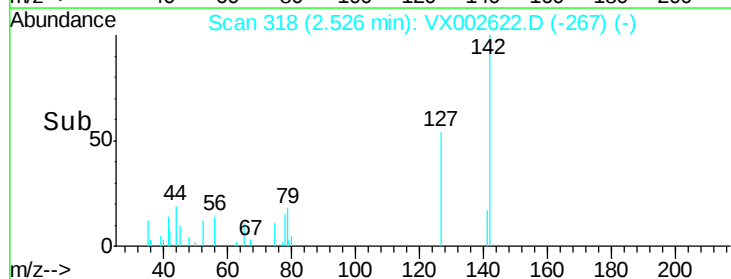
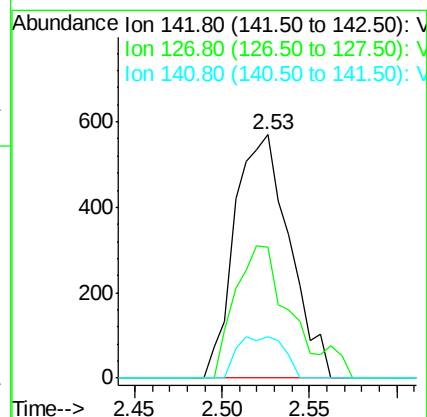
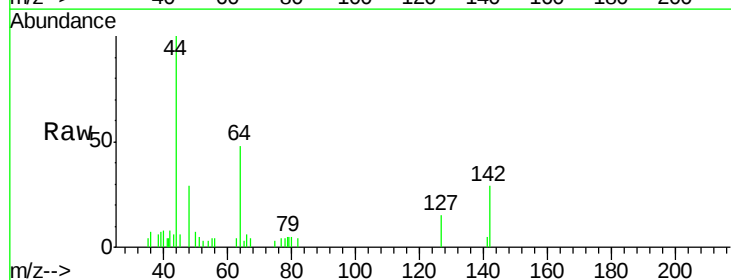
Tgt Ion: 142 Resp: 1244

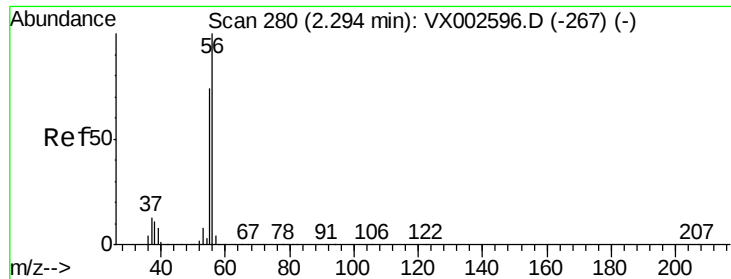
Ion Ratio Lower Upper

142 100

127 56.0 36.6 55.0#

141 14.5 11.3 16.9





#13

Acrolein

Concen: 7.36 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002622.D

Acq: 16 Jun 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

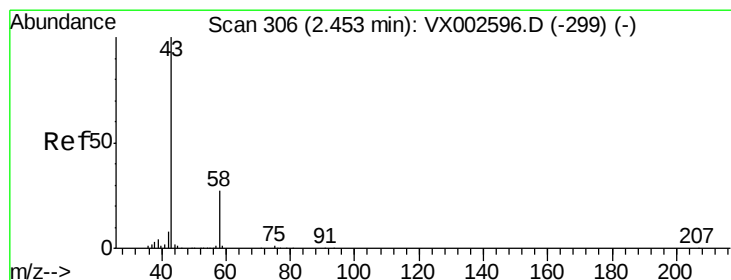
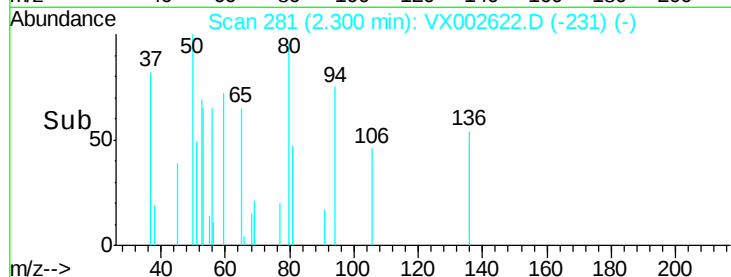
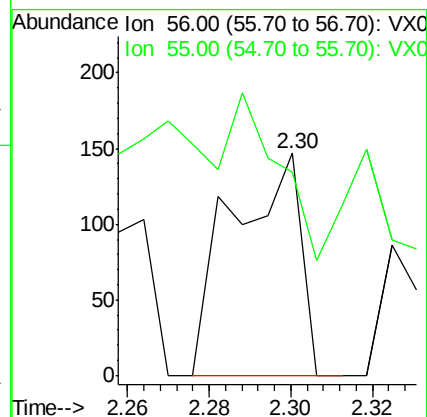
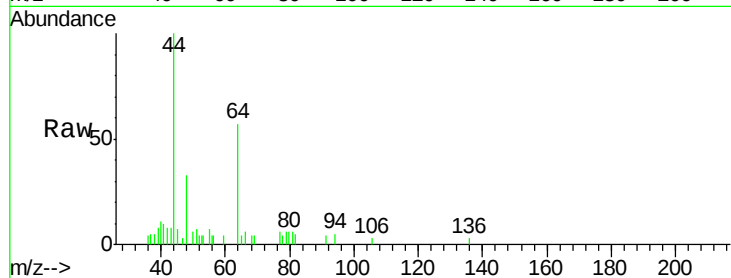
C-MW-09-061218

Tot Ion: 56 Resp: 172

Ion Ratio Lower Upper

56 100

55 47.7 57.0 85.4#



#16

Acetone

Concen: 2.37 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002622.D

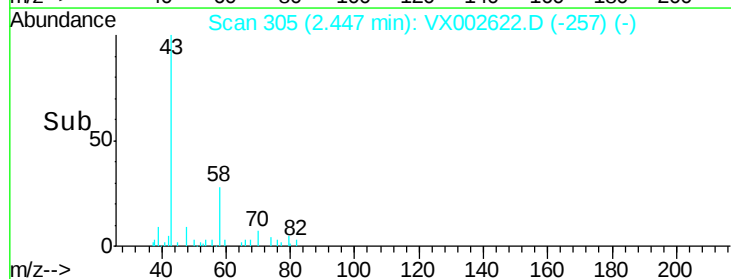
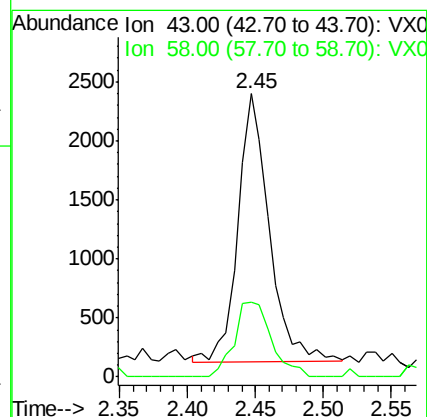
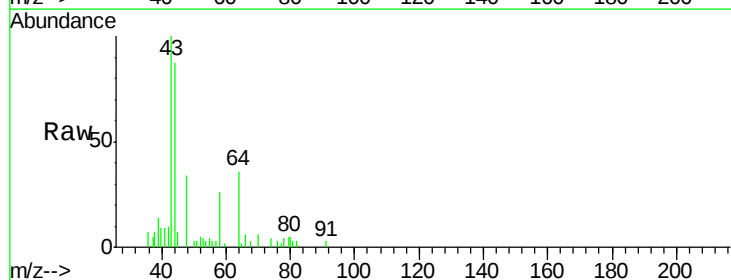
Acq: 16 Jun 2018 02:48

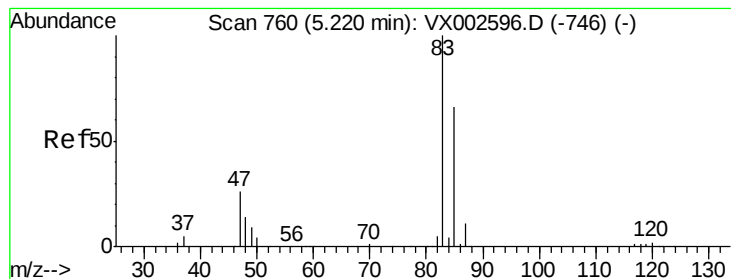
Tgt Ion: 43 Resp: 3638

Ion Ratio Lower Upper

43 100

58 27.9 22.1 33.1





#30

Chloroform

Concen: 0.23 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX002622.D

Acq: 16 Jun 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

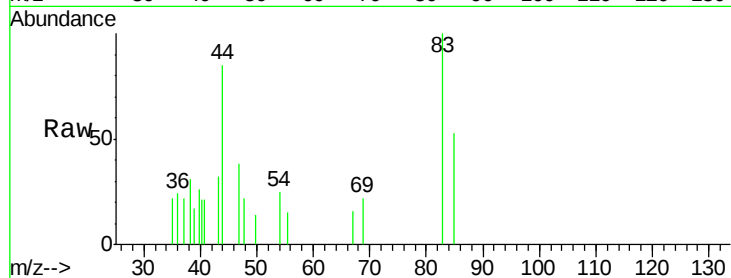
C-MW-09-061218

Tot Ion: 83 Resp: 1097

Ion Ratio Lower Upper

83 100

85 52.9 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.22

400

300

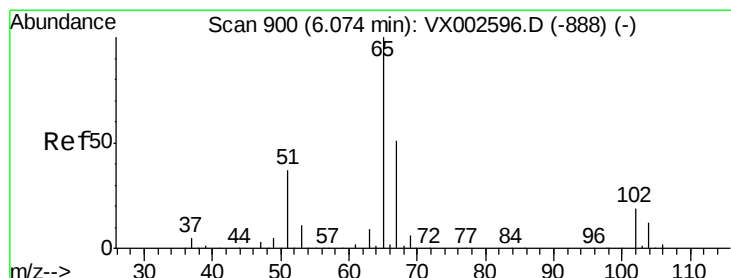
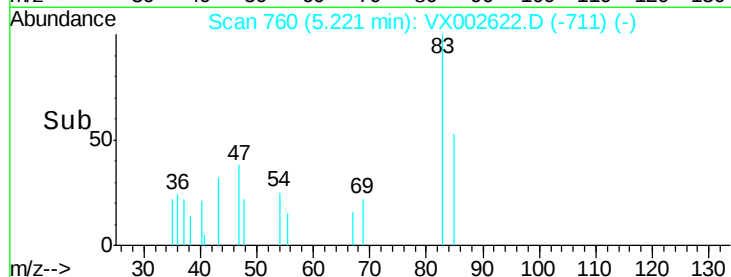
200

100

0

5.15 5.20 5.25 5.30

Time-->



#33

1,2-Dichloroethane-d4

Concen: 44.82 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002622.D

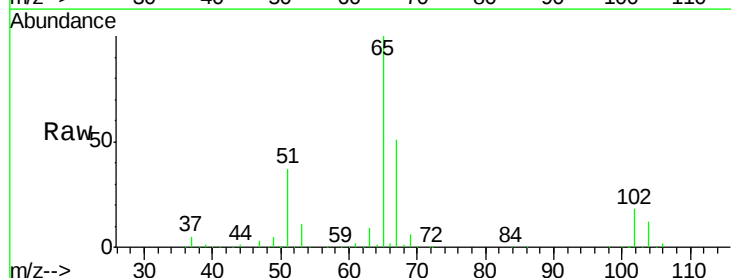
Acq: 16 Jun 2018 02:48

Tgt Ion: 65 Resp: 155923

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

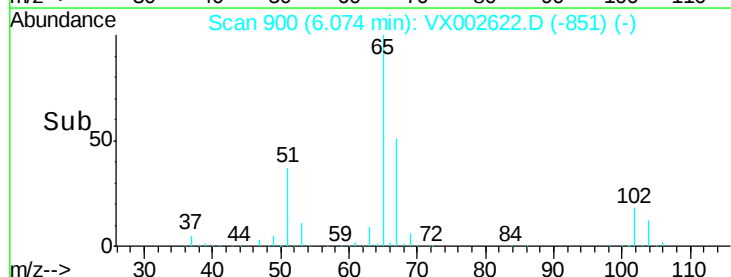
40000

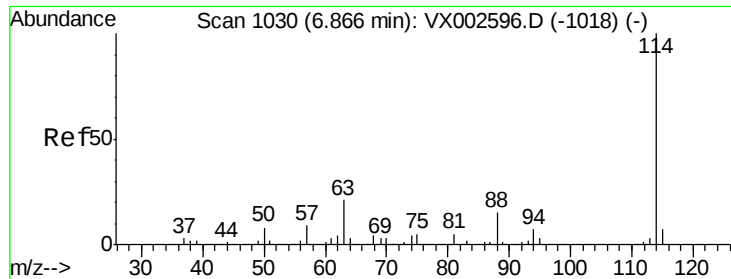
20000

0

5.90 6.00 6.10 6.20 6.30

Time-->

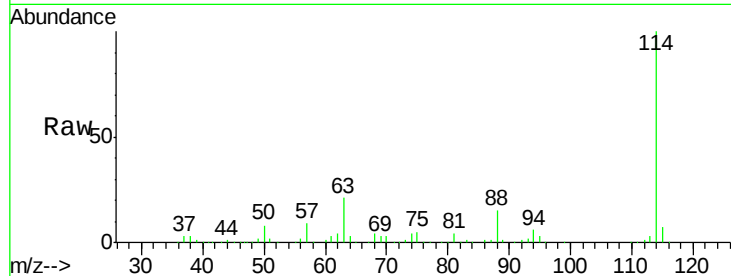




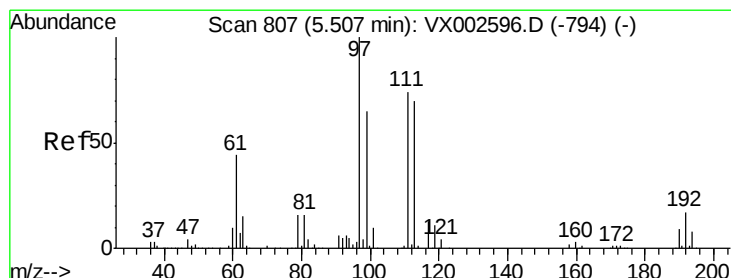
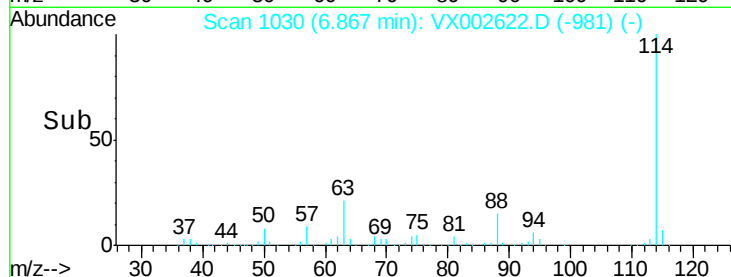
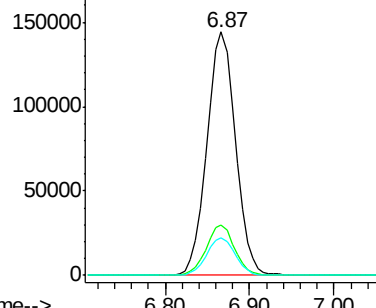
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-061218

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.4
88	15.2	0.0	30.0

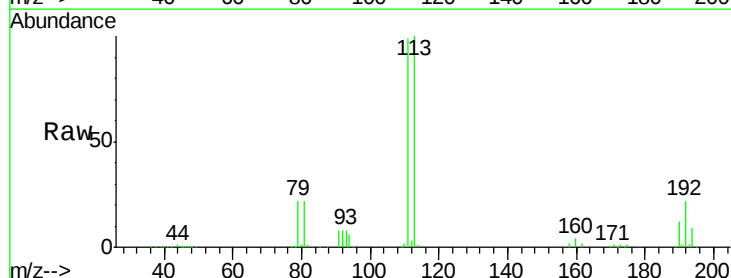


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

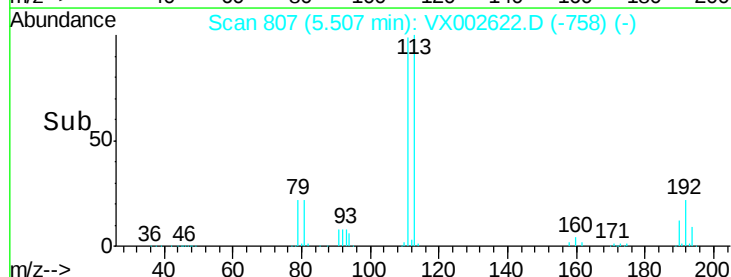
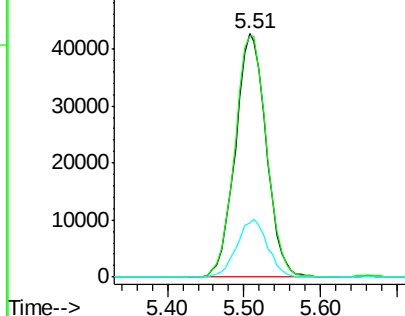


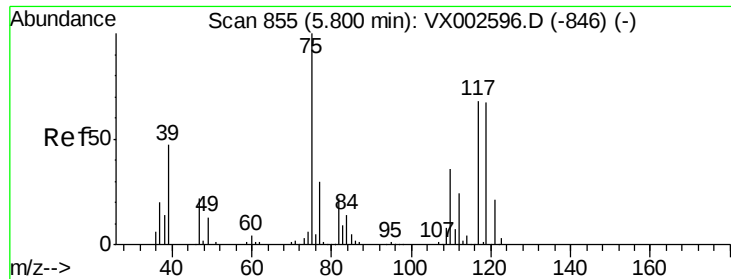
#35
 Dibromofluoromethane
 Concen: 45.27 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	23.6	19.1	28.7



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

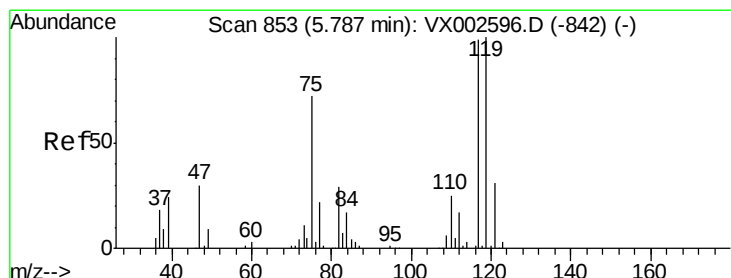
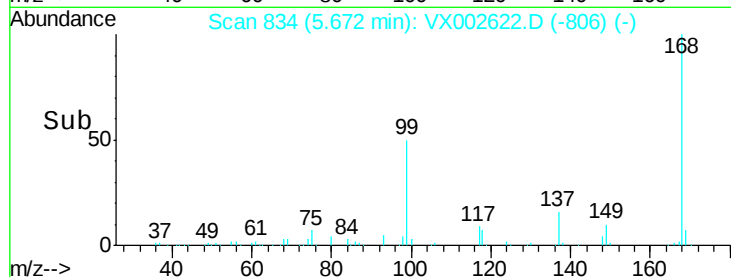
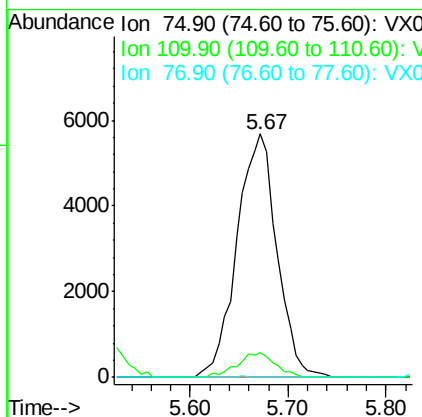
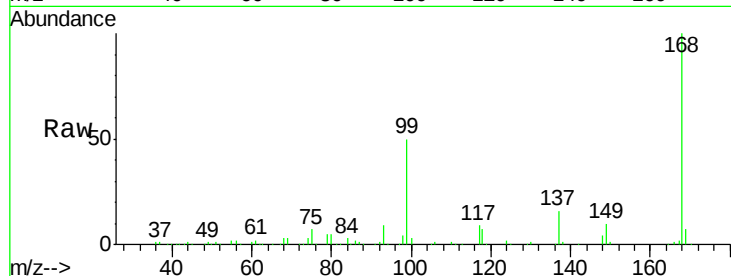




#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

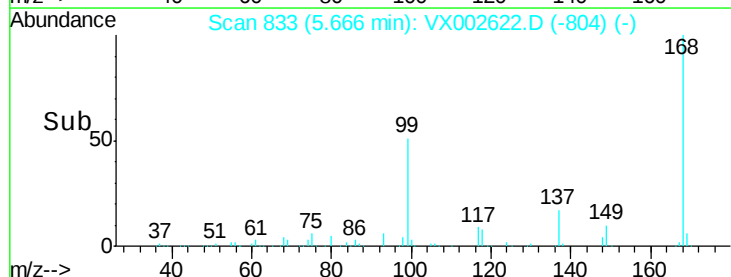
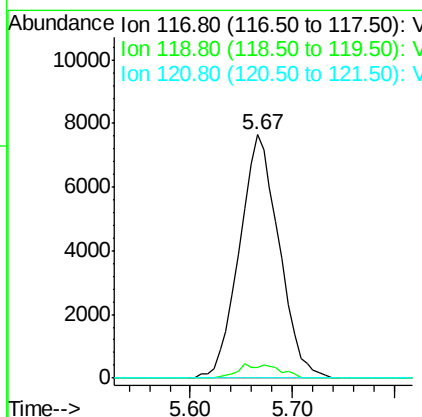
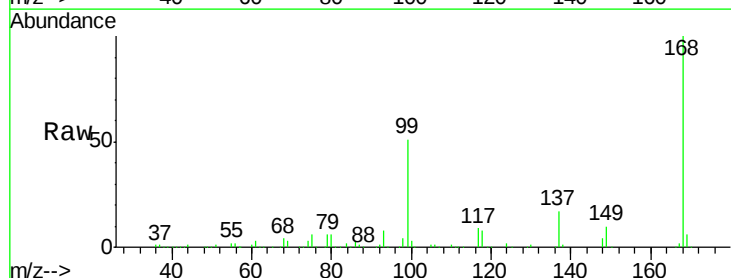
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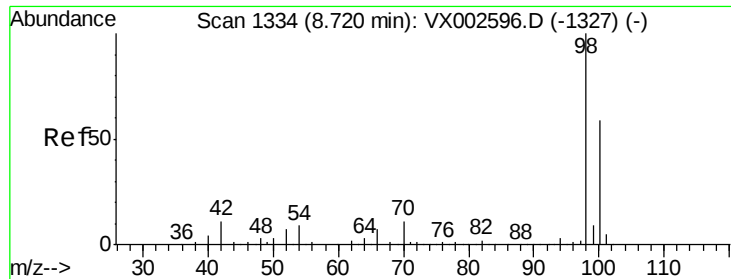
Tot Ion	75	Resp	16070
Ion Ratio	Lower	Upper	
75	100		
110	9.6	18.1	54.4#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.89 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

Tgt Ion	117	Resp	20556
Ion Ratio	Lower	Upper	
117	100		
119	4.5	77.4	116.0#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 46.48 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002622.D

Acq: 16 Jun 2018 02:48

Instrument :

MSVOA_X

ClientSampleId :

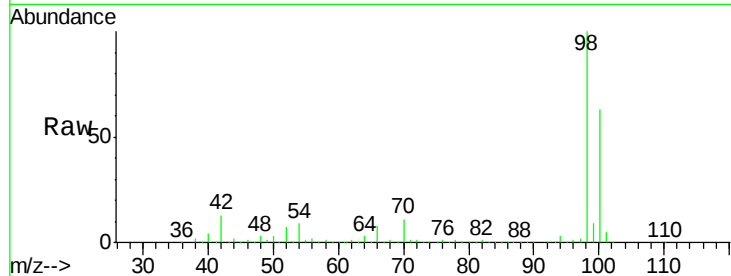
C-MW-09-061218

Tot Ion: 98 Resp: 464821

Ion Ratio Lower Upper

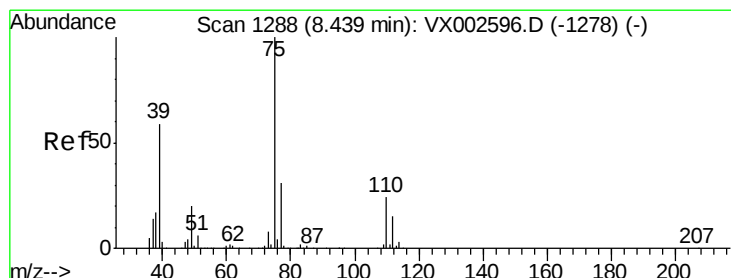
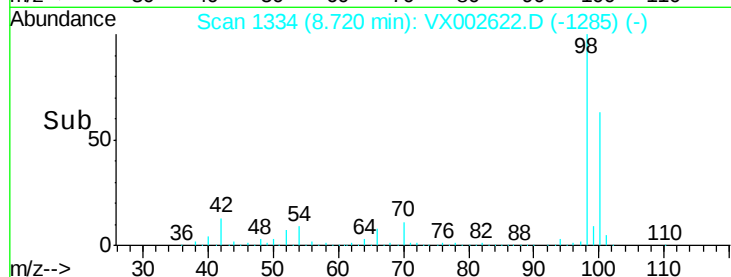
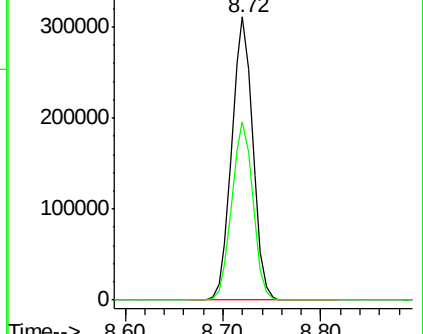
98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.47 min Scan# 1293

Delta R.T. 0.03 min

Lab File: VX002622.D

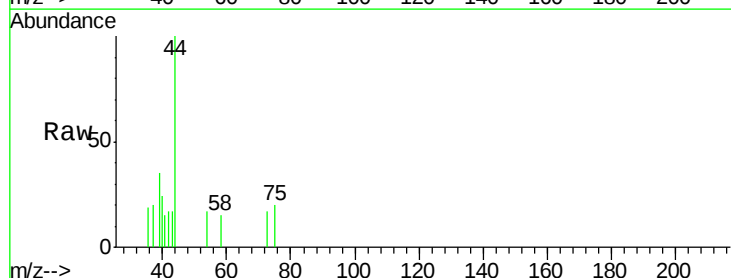
Acq: 16 Jun 2018 02:48

Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

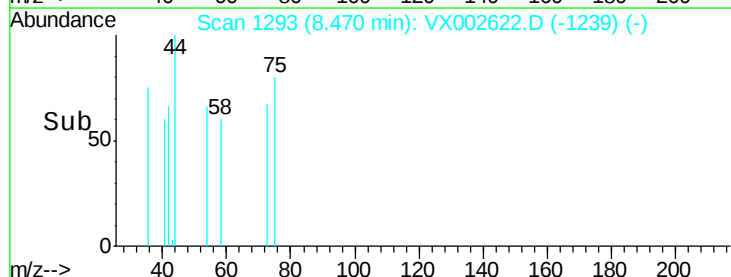
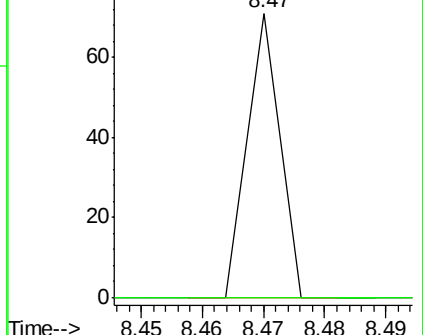
75 100

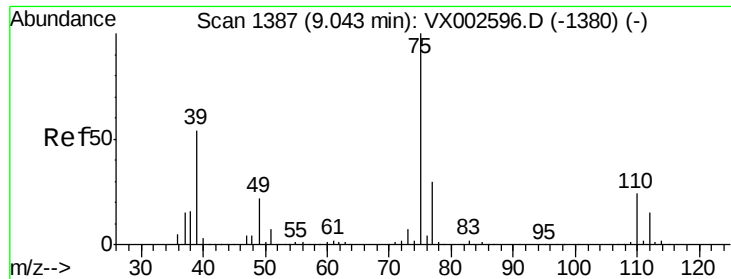
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



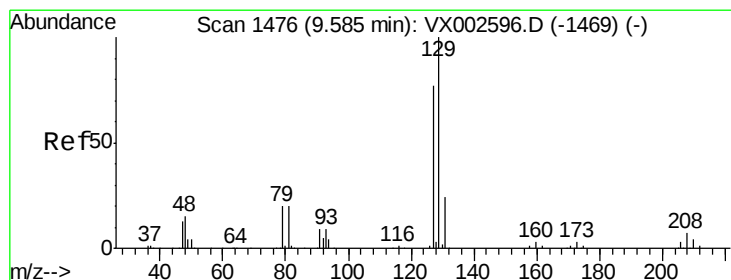
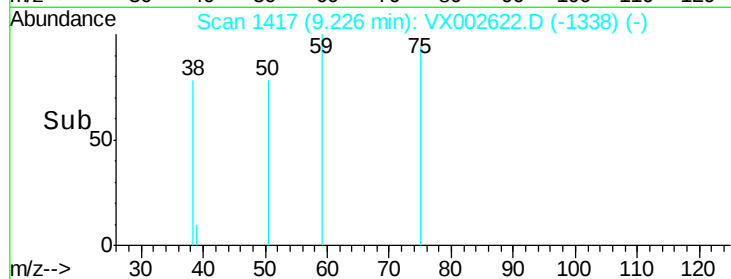
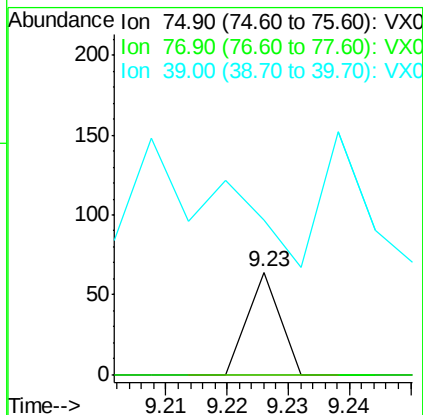
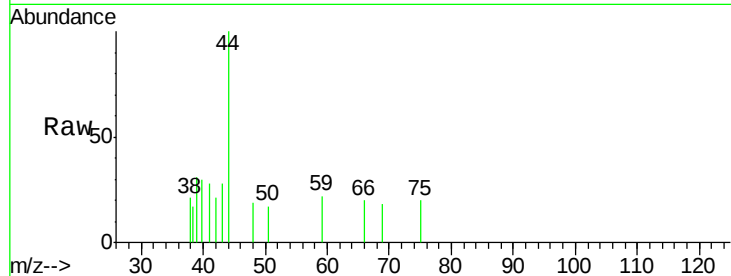


#54

cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.23 min Scan# 1417
Delta R.T. 0.18 min
Lab File: VX002622.D
Acq: 16 Jun 2018 02:48

Instrument :
MSVOA_X
ClientSampleId :
C-MW-09-061218

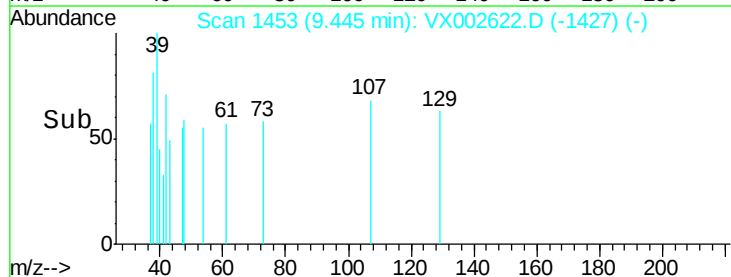
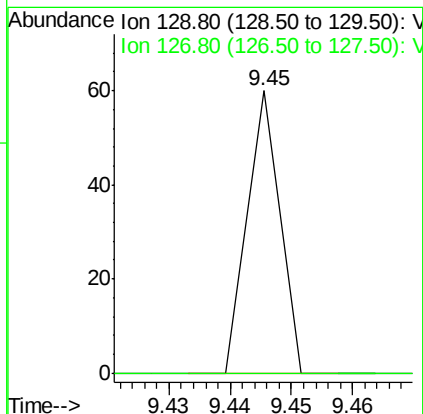
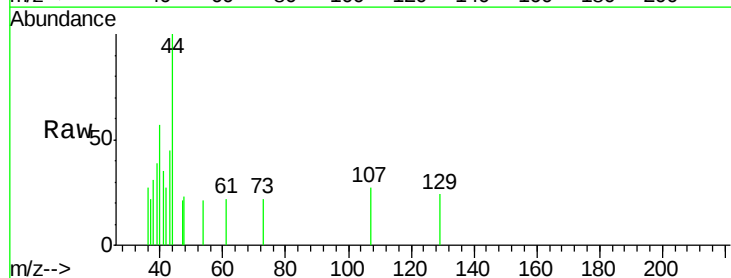
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.8	37.2#
39	1.6	42.4	63.6#

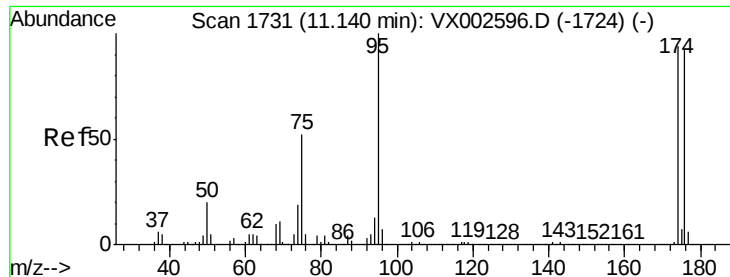


#60

Dibromochloromethane
Concen: 3.77 ug/l
RT: 9.45 min Scan# 1453
Delta R.T. -0.14 min
Lab File: VX002622.D
Acq: 16 Jun 2018 02:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.5	115.3#

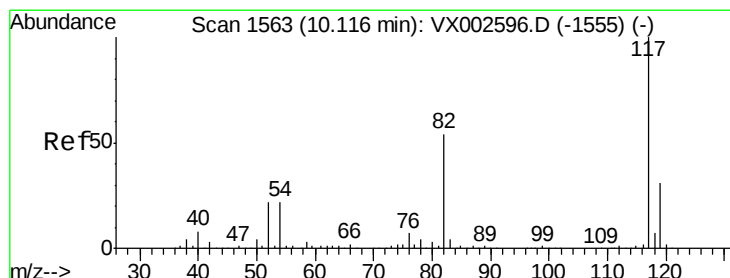
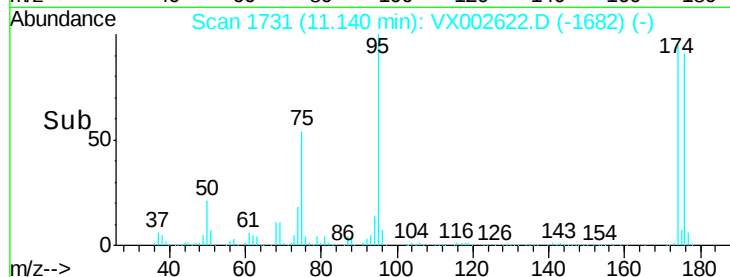
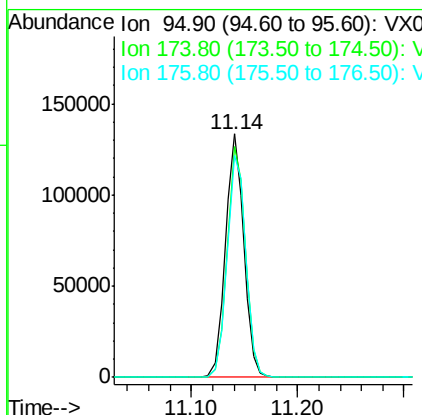
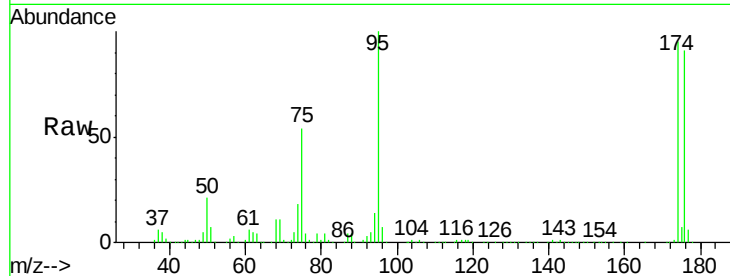




#62
4-Bromofluorobenzene
Concen: 42.56 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002622.D
Acq: 16 Jun 2018 02:48

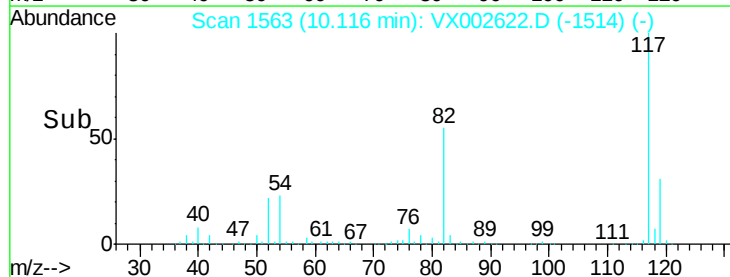
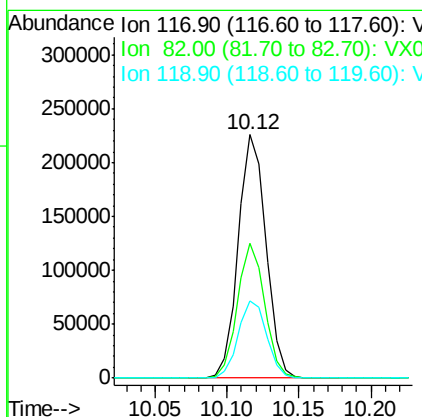
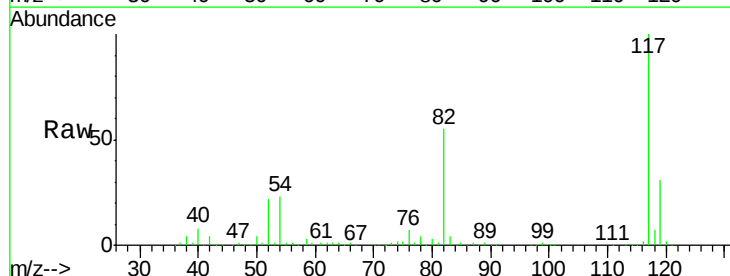
Instrument :
MSVOA_X
ClientSampleId :
C-MW-09-061218

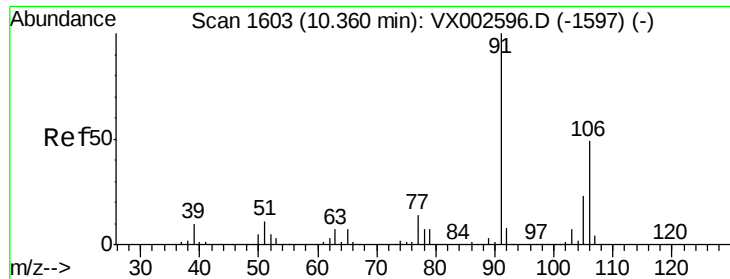
Tot Ion: 95 Resp: 161272
Ion Ratio Lower Upper
95 100
174 94.9 0.0 187.4
176 93.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002622.D
Acq: 16 Jun 2018 02:48

Tgt Ion: 117 Resp: 303129
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.4
119 31.5 25.8 38.6

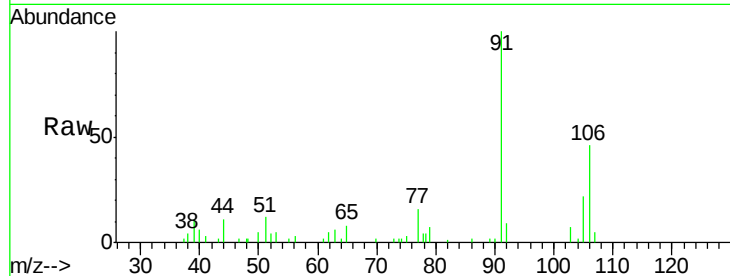




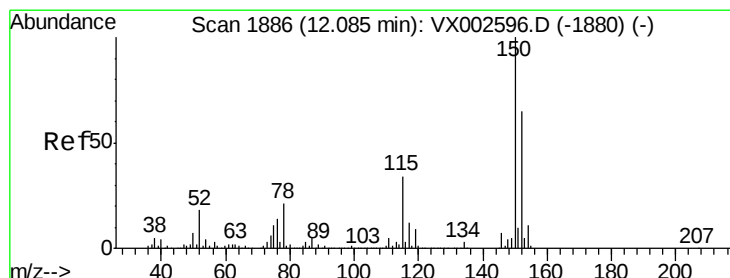
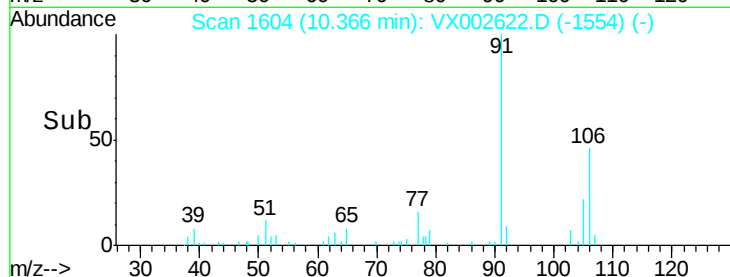
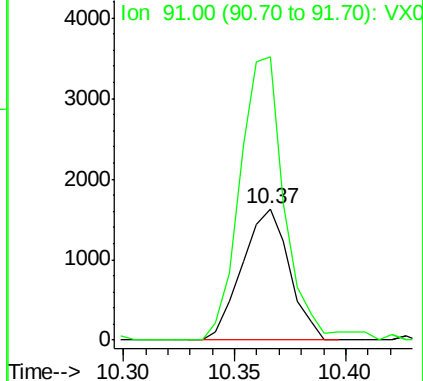
#68
m/p-Xvlenes
Concen: 0.50 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002622.D
Acq: 16 Jun 2018 02:48

Instrument :
MSVOA_X
ClientSampleId :
C-MW-09-061218

Tot Ion:106 Resp: 2405
Ion Ratio Lower Upper
106 100
91 206.6 163.4 245.2

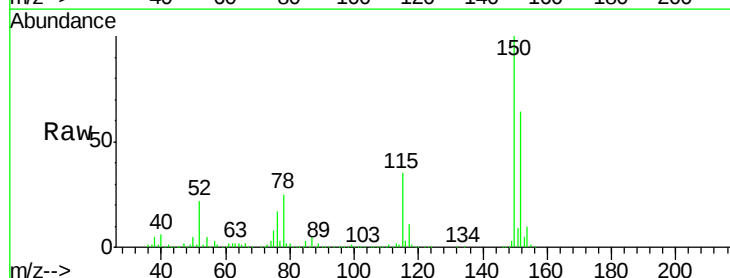


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

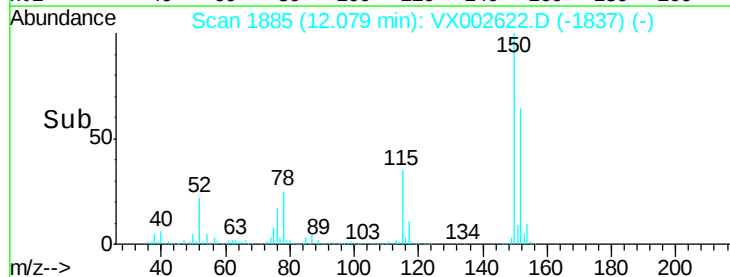
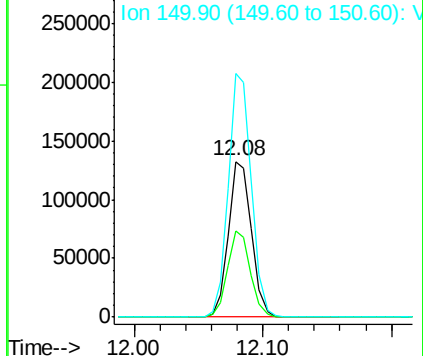


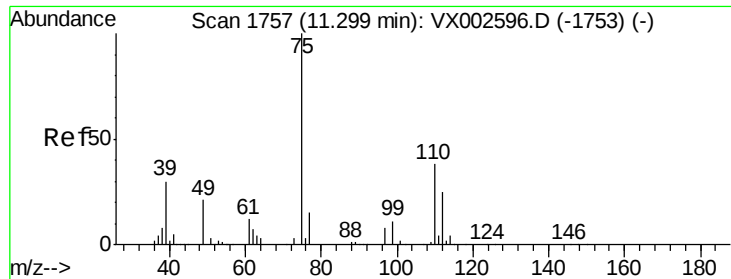
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002622.D
Acq: 16 Jun 2018 02:48

Tgt Ion:152 Resp: 167131
Ion Ratio Lower Upper
152 100
115 54.6 40.1 120.2
150 156.3 0.0 347.2



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

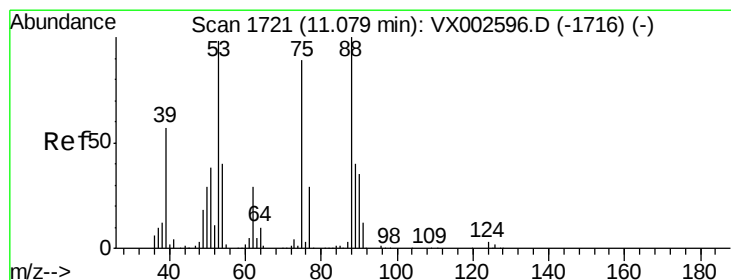
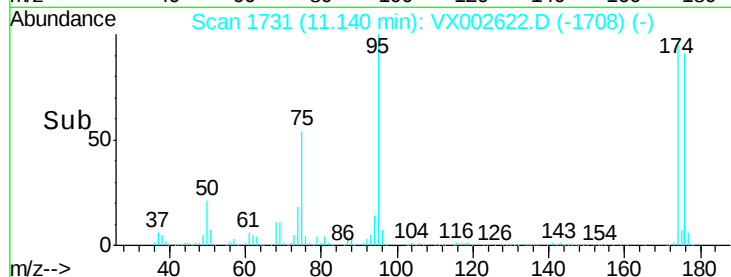
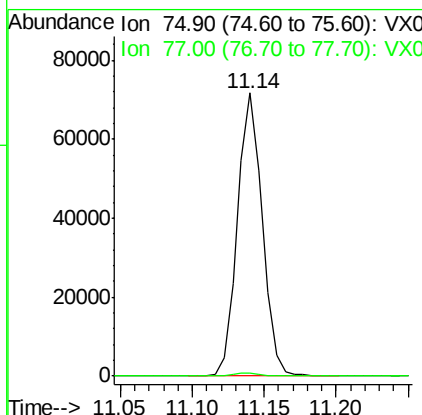
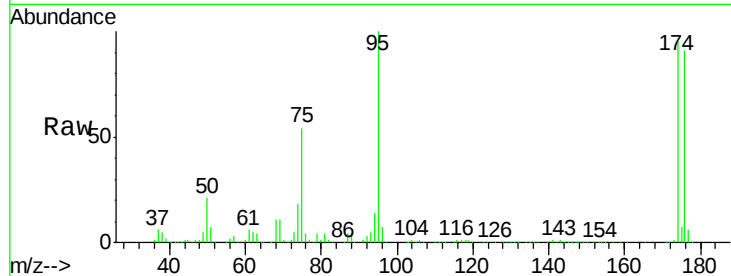




#76
 1,2,3-Trichloropropane
 Concen: 27.32 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

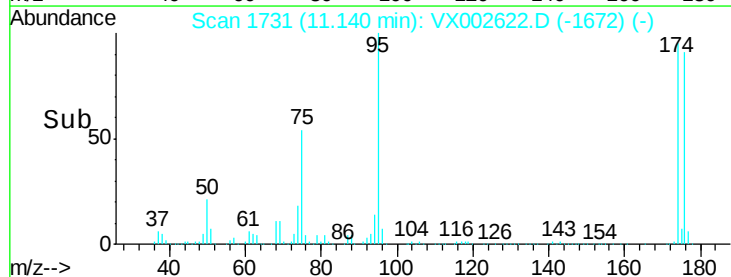
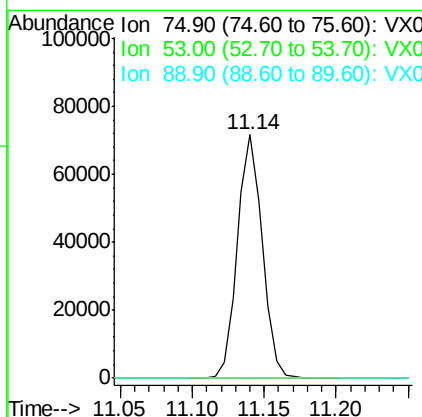
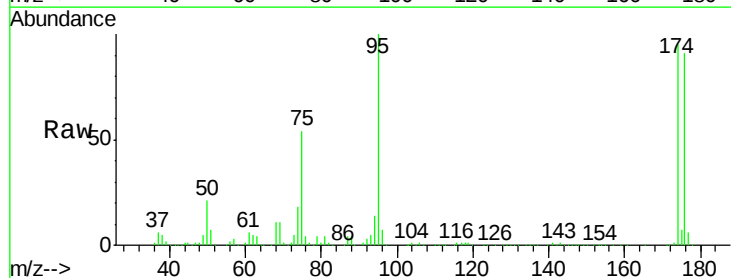
Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-061218

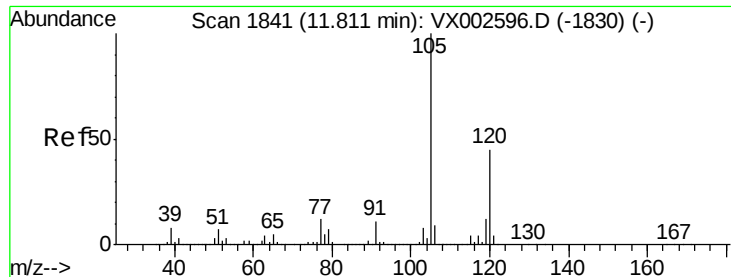
Tot Ion: 75 Resp: 86167
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.29 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

Tgt Ion: 75 Resp: 86167
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.1 38.2 57.2#

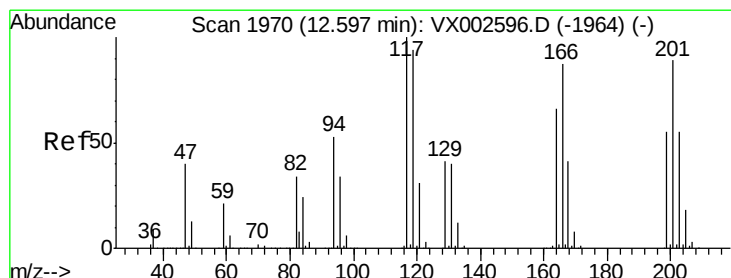
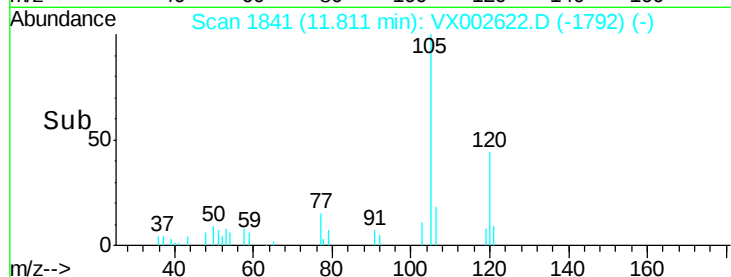
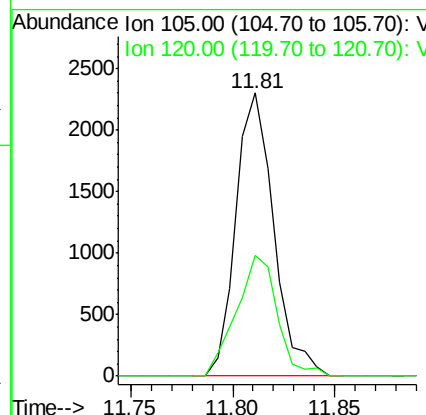
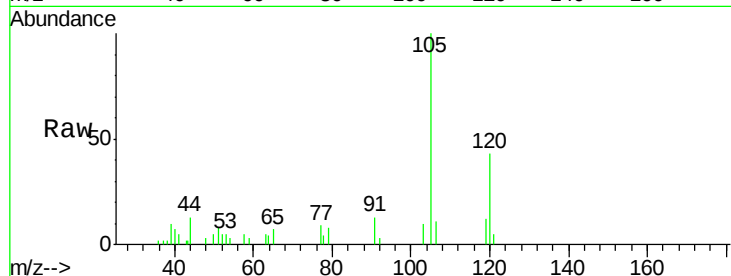




#84
 1,2,4-Trimethylbenzene
 Concen: 0.31 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-061218

Tot Ion:105 Resp: 2954
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.3 66.8



#90
 Hexachloroethane
 Concen: 2.64 ug/l
 RT: 12.60 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VX002622.D
 Acq: 16 Jun 2018 02:48

Tgt Ion:117 Resp: 23
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.0 147.0#

