

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011619\
 Data File : VX007070.D
 Acq On : 16 Jan 2019 12:34
 Operator : JC/SP
 Sample : K1151-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190115

Quant Time: Jan 16 23:58:32 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	574772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	892491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	830907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402561	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	310684	51.72	ug/l	0.00
Spiked Amount						
			Recovery	=	103.44%	
35) Dibromofluoromethane	5.50	113	275600	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1066678	50.99	ug/l	0.00
Spiked Amount						
			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.13	95	372806	51.12	ug/l	0.00
Spiked Amount						
			Recovery	=	102.24%	

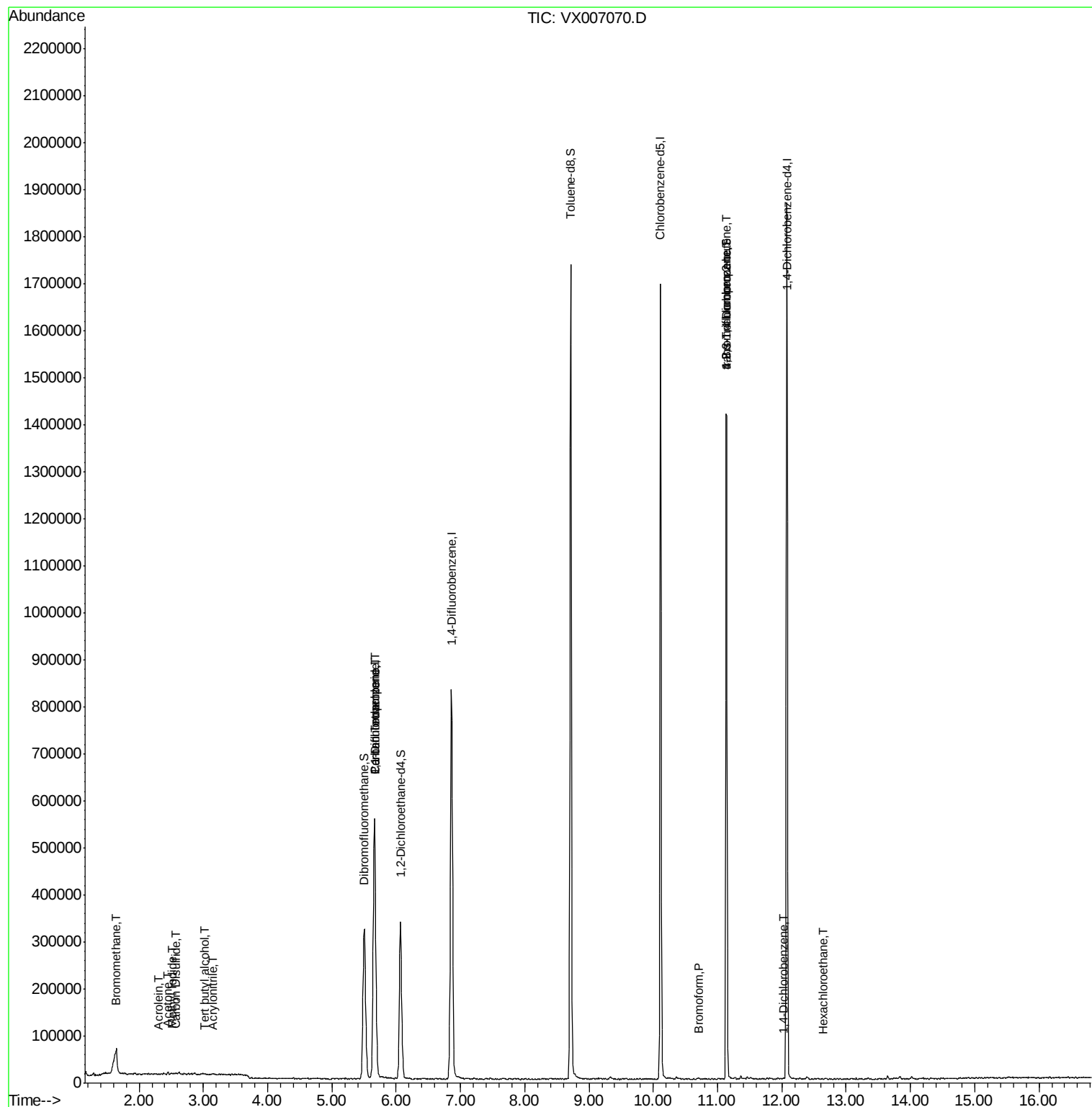
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2200	0.348	ug/l	93
10) Methyl Iodide	2.51	142	2025	0.263	ug/l #	68
11) Tert butyl alcohol	3.01	59	566	0.399	ug/l #	76
13) Acrolein	2.29	56	149	3.325	ug/l #	1
15) Acrylonitrile	3.16	53	1928	0.593	ug/l #	74
16) Acetone	2.45	43	6004	2.022	ug/l	96
17) Carbon Disulfide	2.57	76	2844	0.209	ug/l #	76
20) Methylene Chloride	2.85	84	1594	Below Cal	#	56
36) 1,1-Dichloropropene	5.67	75	36552	4.711	ug/l #	49
38) Carbon Tetrachloride	5.67	117	51619	6.612	ug/l #	14
49) 1,4-Dioxane	7.76	88	273	Below Cal	#	46
71) Bromoform	10.69	173	114	4.746	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	177658	21.778	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	177658	64.533	ug/l #	10
88) 1,4-Dichlorobenzene	12.03	146	1143	0.230	ug/l	87
90) Hexachloroethane	12.65	117	76	2.926	ug/l	90

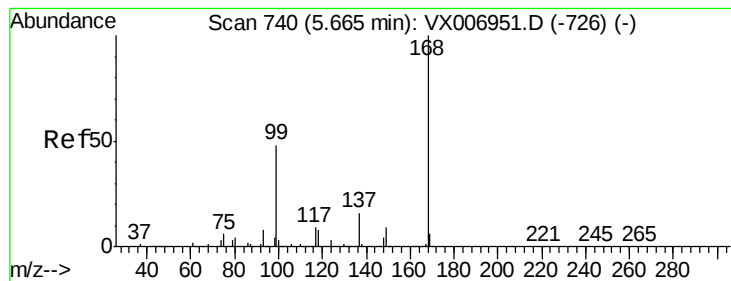
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

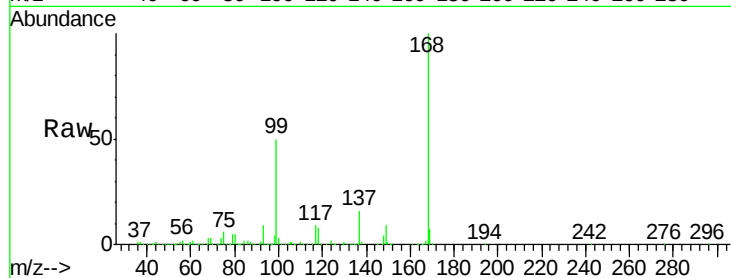
TB-01-190115

Tot Ion:168 Resp: 574772

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

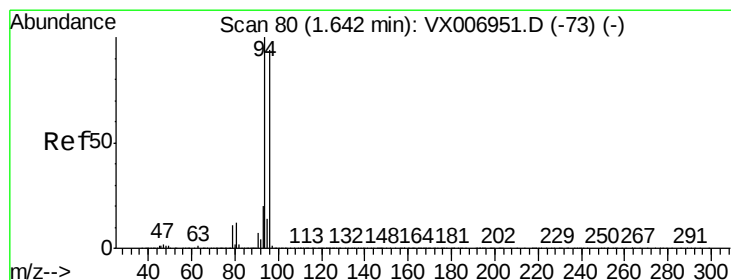
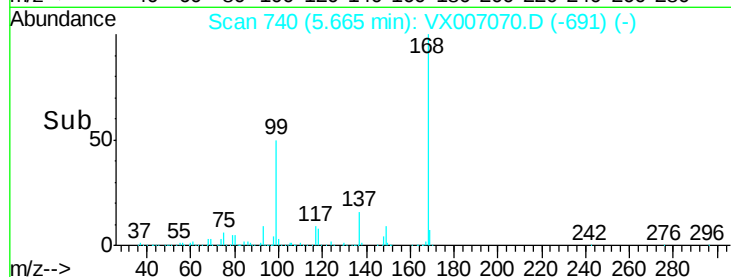
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.348 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007070.D

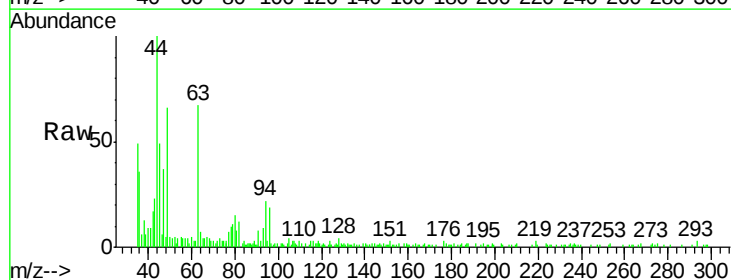
Acq: 16 Jan 2019 12:34

Tgt Ion: 94 Resp: 2200

Ion Ratio Lower Upper

94 100

96 85.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

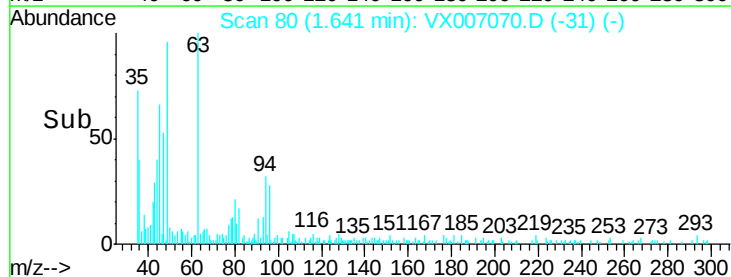
1000

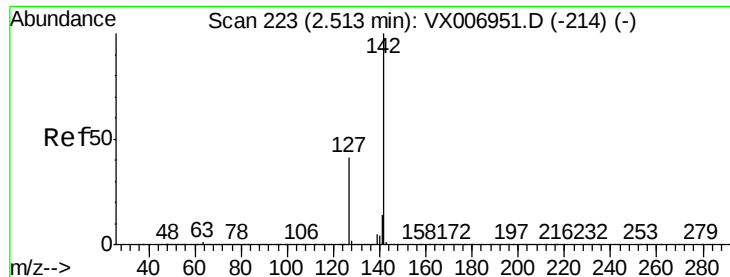
500

0

Time-->

1.60 1.65 1.70

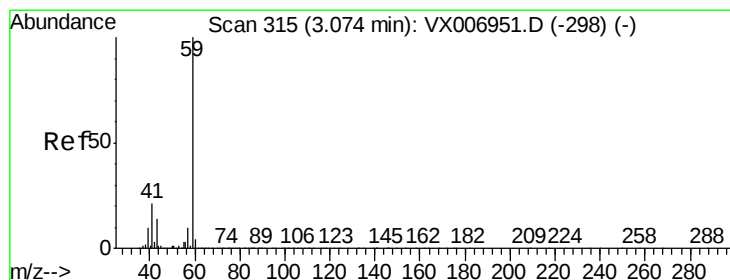
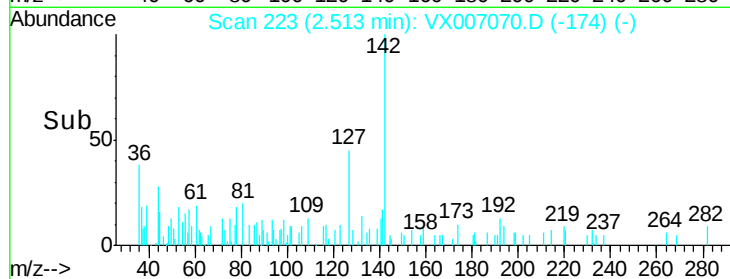
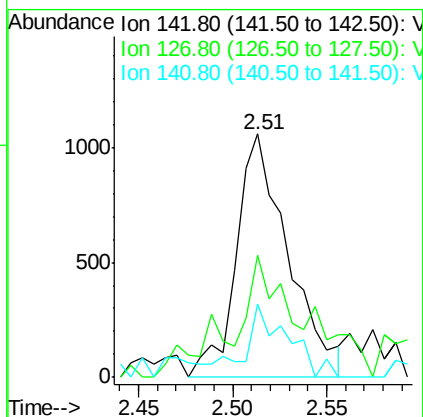
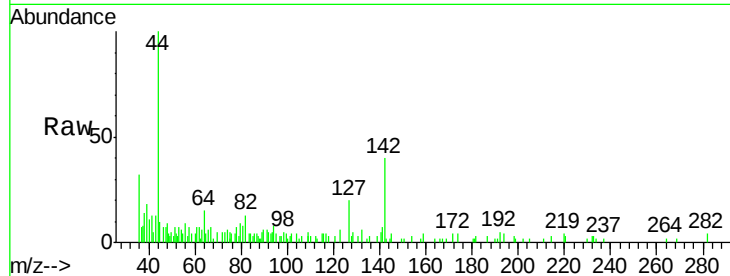




#10
Methvl Iodide
Concen: 0.263 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007070.D
Acq: 16 Jan 2019 12:34

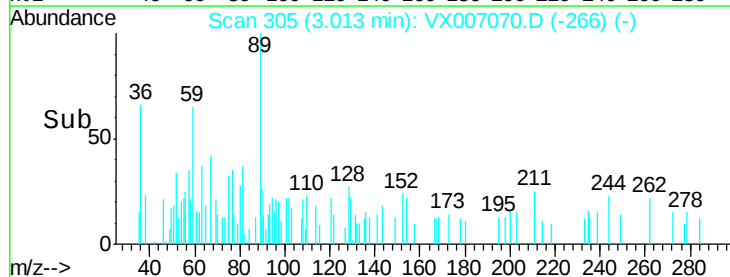
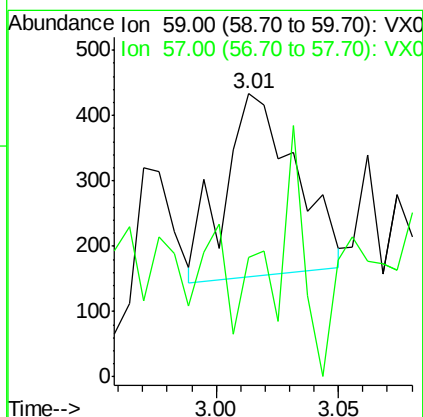
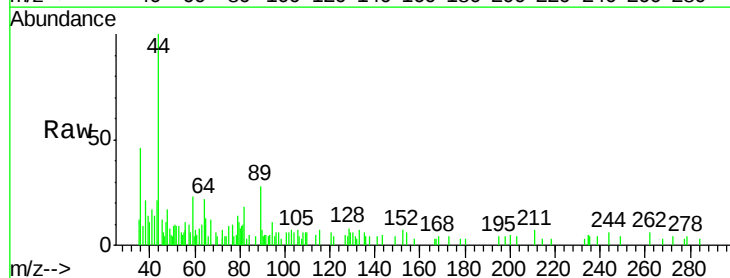
Instrument :
MSVOA_X
ClientSampled :
TB-01-190115

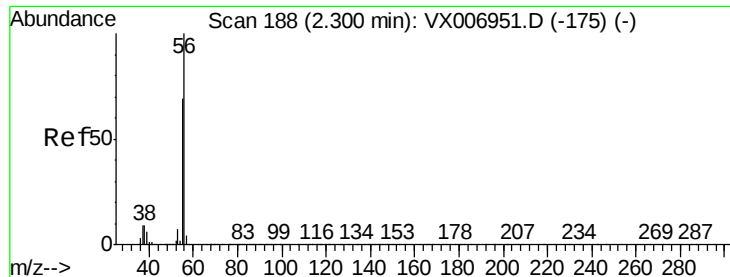
Tot Ion	Ratio	Lower	Upper
142	100		
127	20.9	33.9	50.9#
141	25.4	11.4	17.0#



#11
Tert butyl alcohol
Concen: 0.399 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.06 min
Lab File: VX007070.D
Acq: 16 Jan 2019 12:34

Tgt Ion	Ratio	Lower	Upper
59	100		
57	19.4	8.5	12.7#





#13

Acrolein

Concen: 3.325 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampled :

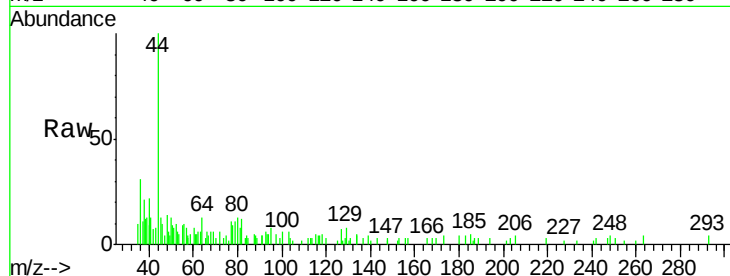
TB-01-190115

Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

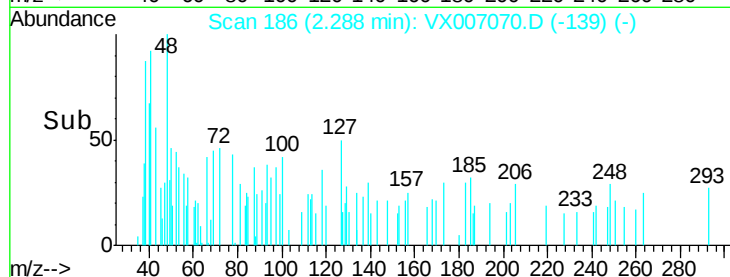
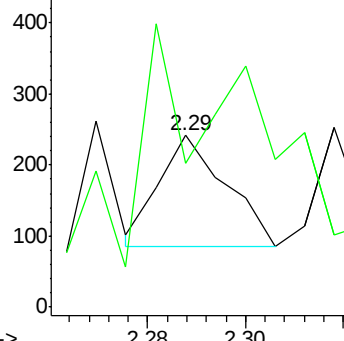
56 100

55 181.2 58.2 87.4#

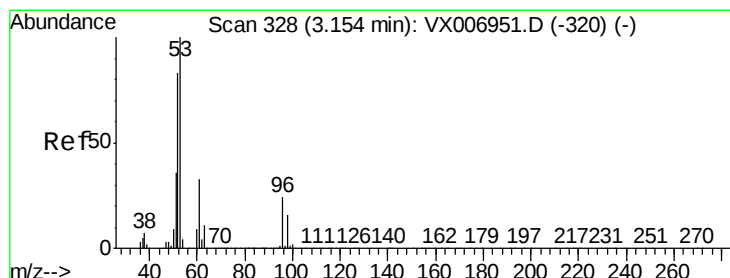


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.593 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

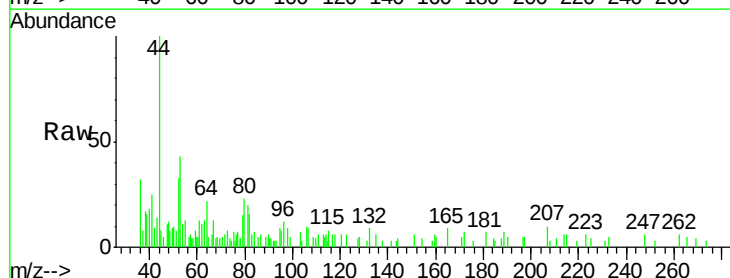
Tgt Ion: 53 Resp: 1928

Ion Ratio Lower Upper

53 100

52 56.7 66.0 99.0#

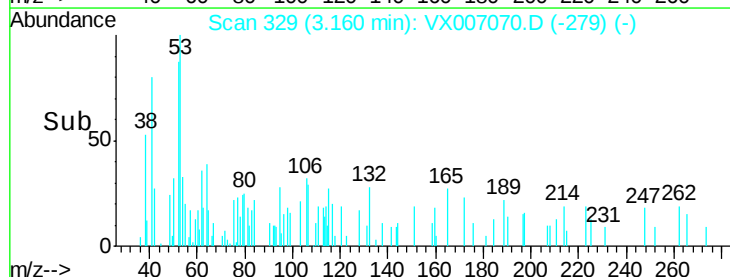
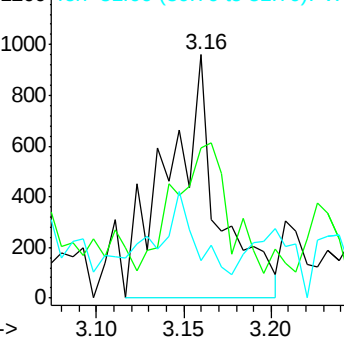
51 24.7 28.6 42.8#



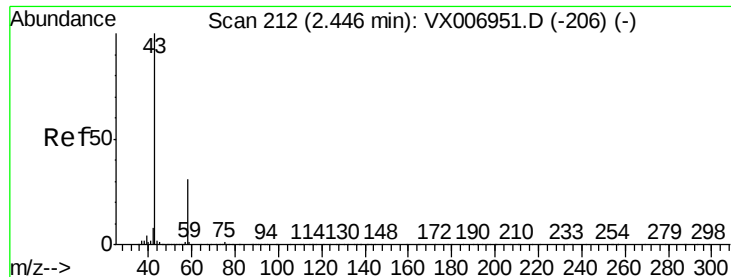
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 2.022 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

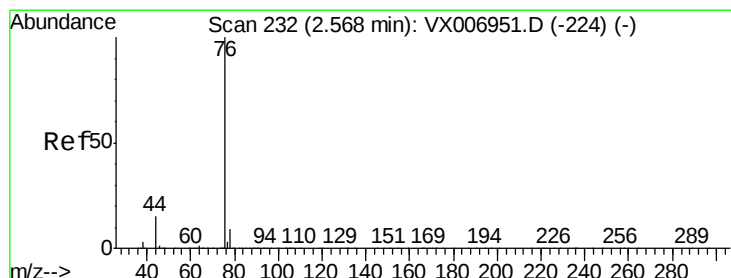
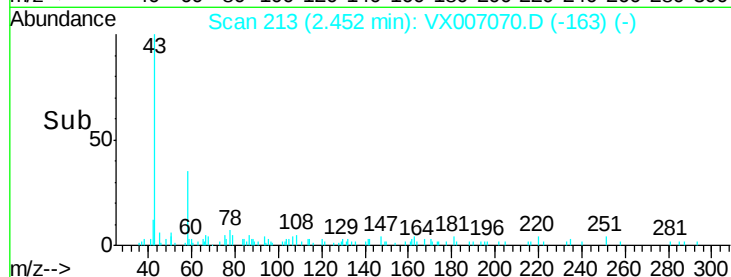
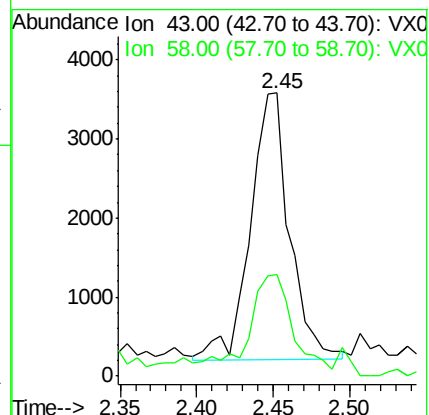
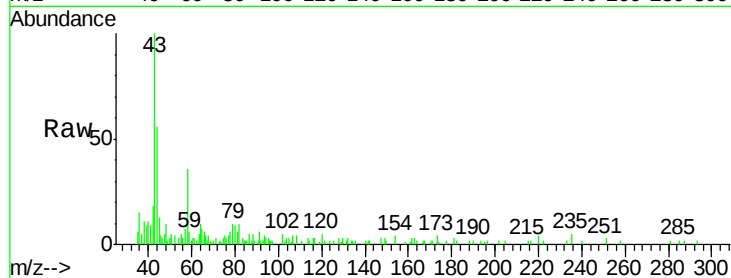
TB-01-190115

Tot Ion: 43 Resp: 6004

Ion Ratio Lower Upper

43 100

58 33.4 25.0 37.6



#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007070.D

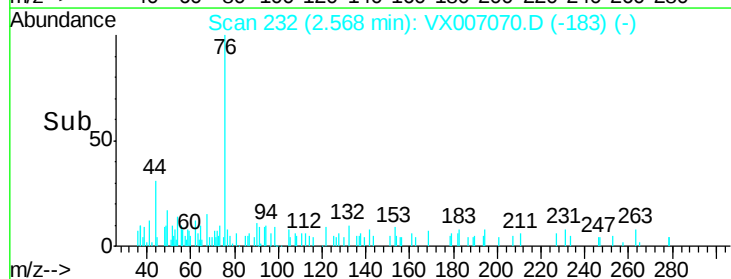
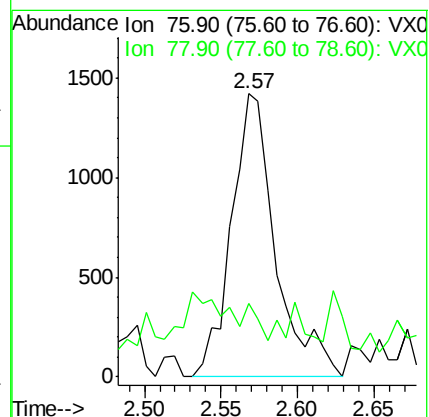
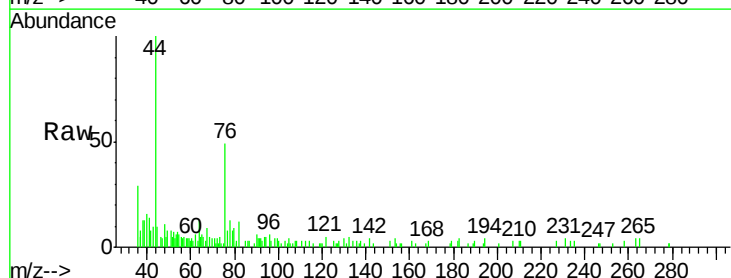
Acq: 16 Jan 2019 12:34

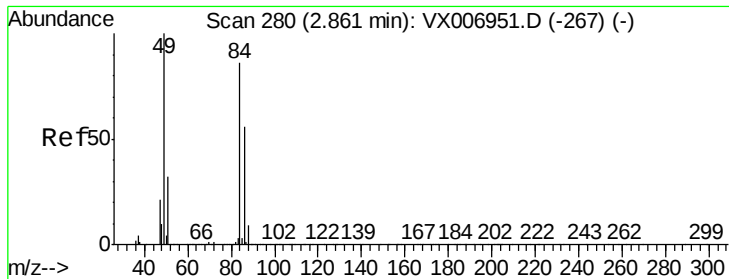
Tgt Ion: 76 Resp: 2844

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

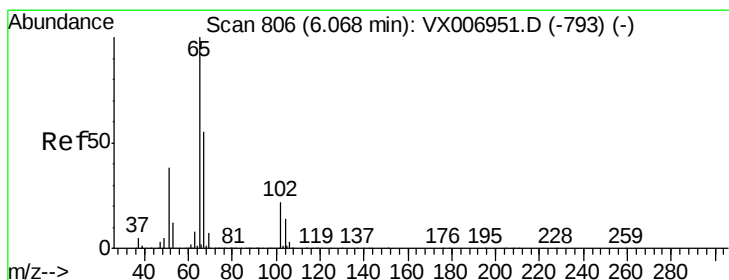
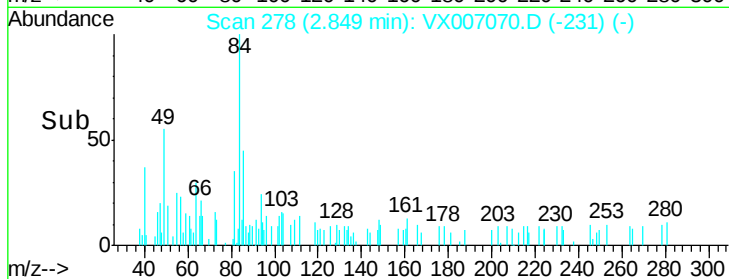
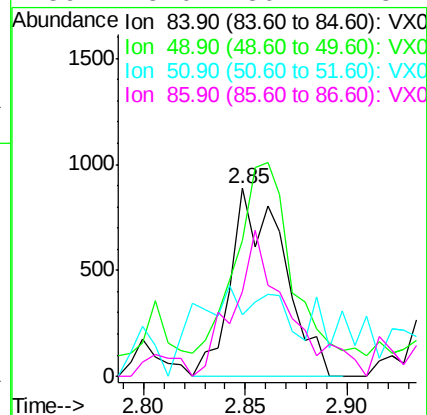
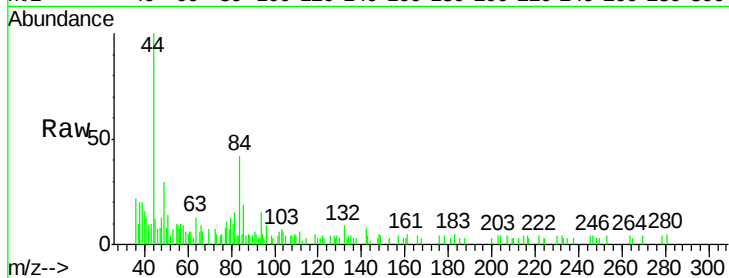




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007070.D
Acq: 16 Jan 2019 12:34

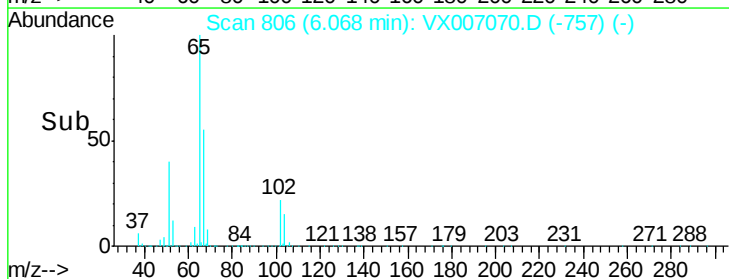
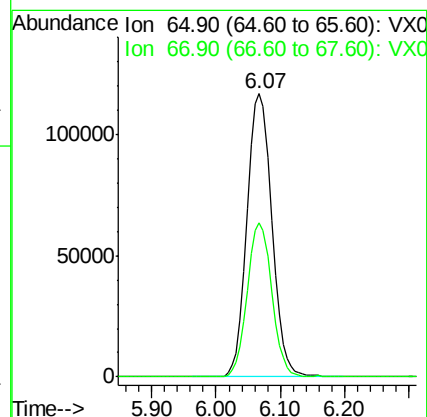
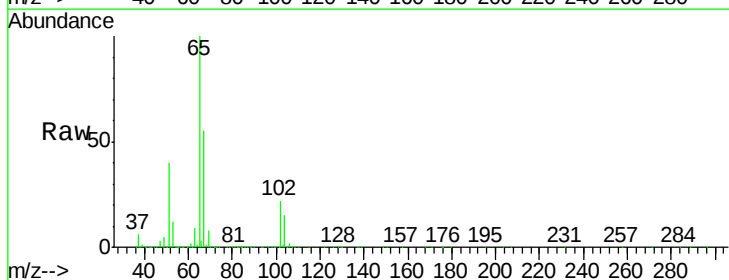
Instrument :
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ClientSampleId :
TB-01-190115

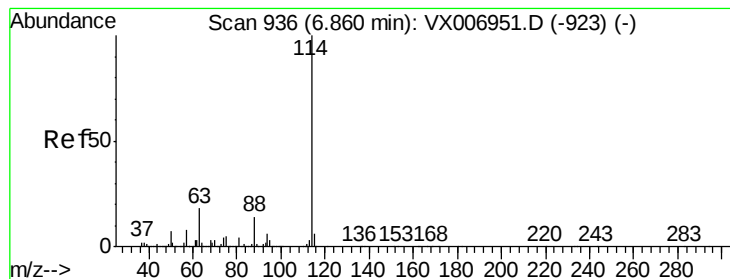
Tot Ion	Ratio	Lower	Upper
84	100		
49	59.7	91.8	137.6#
51	0.0	28.5	42.7#
86	45.0	50.2	75.2#



#33
1,2-Dichloroethane-d4
Concen: 51.722 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007070.D
Acq: 16 Jan 2019 12:34

Tgt 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: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190115

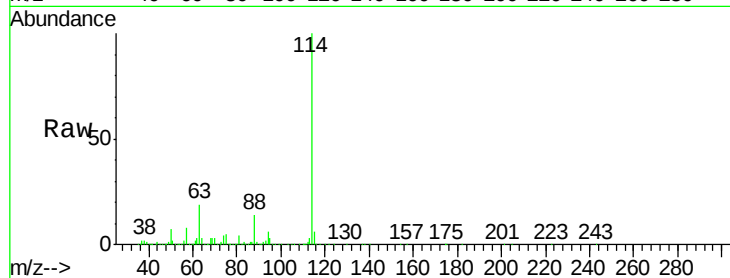
Tot Ion:114 Resp: 892491

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

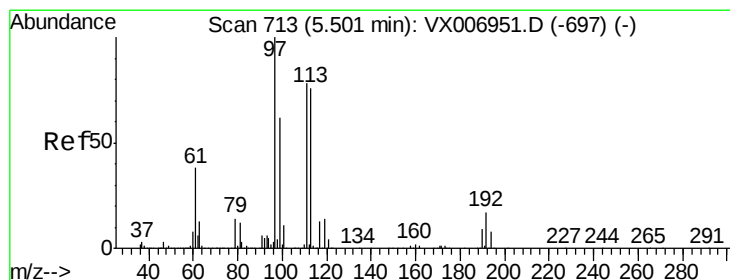
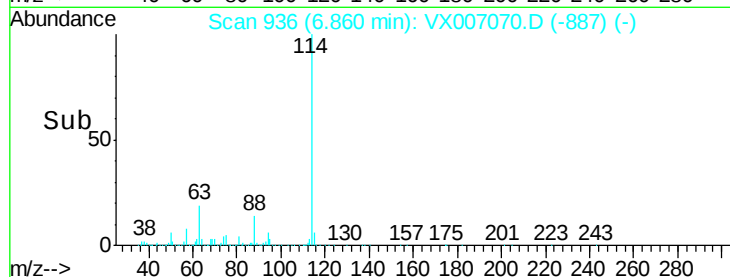
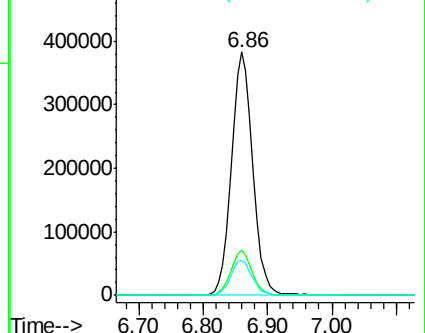
88 14.2 0.0 28.8



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: 48.220 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

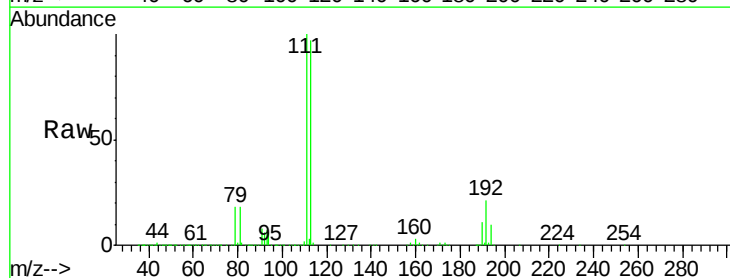
Tgt Ion:113 Resp: 275600

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

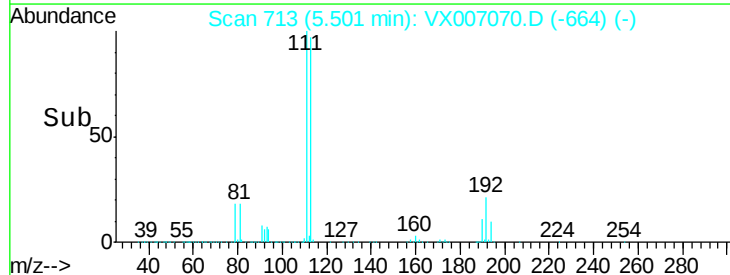
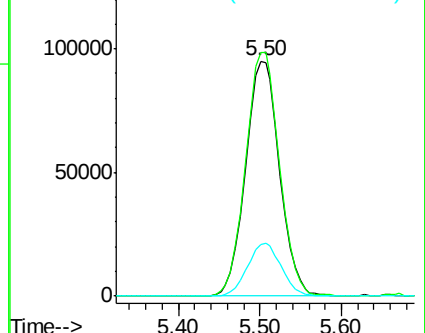
192 22.4 16.7 25.1

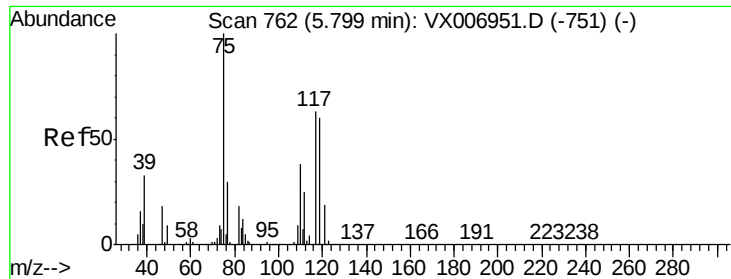


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

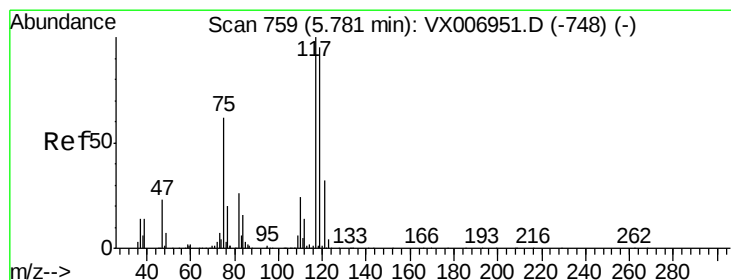
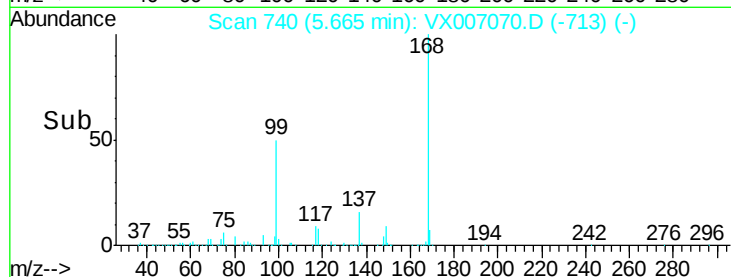
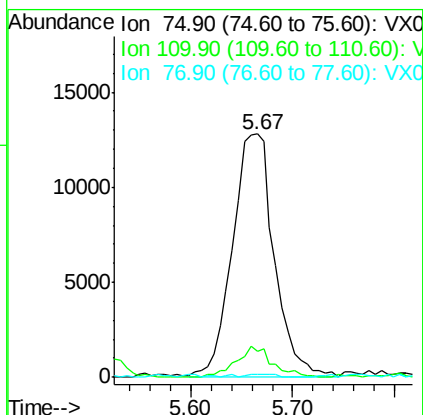
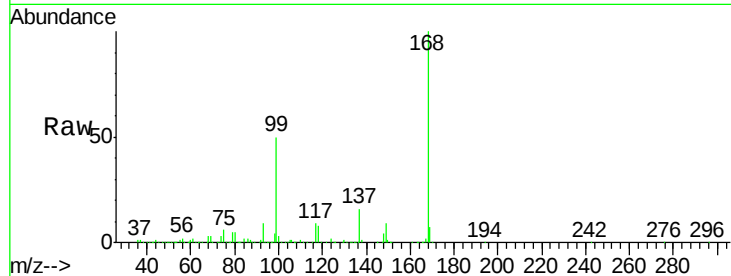




#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007070.D
 Acq: 16 Jan 2019 12:34

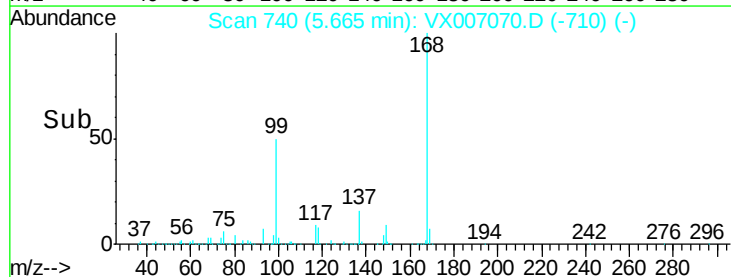
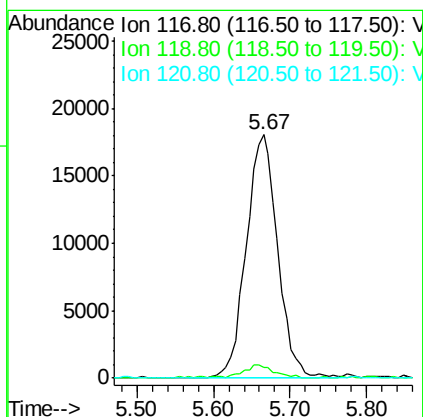
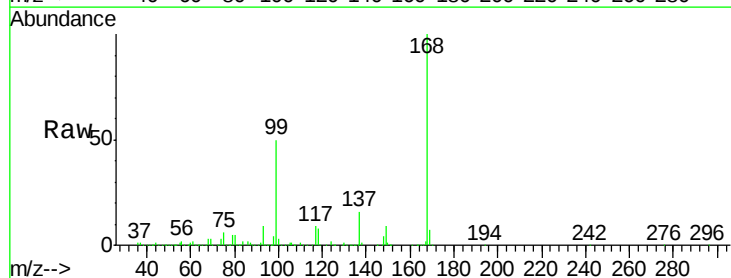
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190115

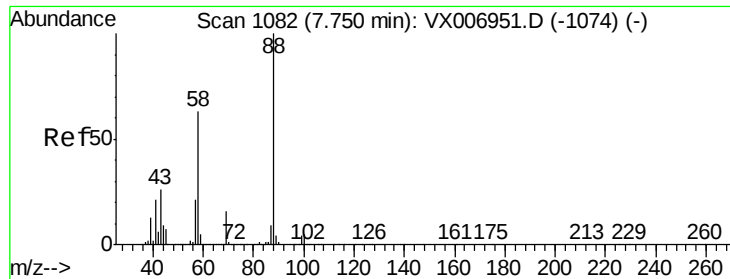
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	20.2	60.5#
77	0.9	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.612 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007070.D
 Acq: 16 Jan 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	79.4	119.2#
121	0.0	24.0	36.0#

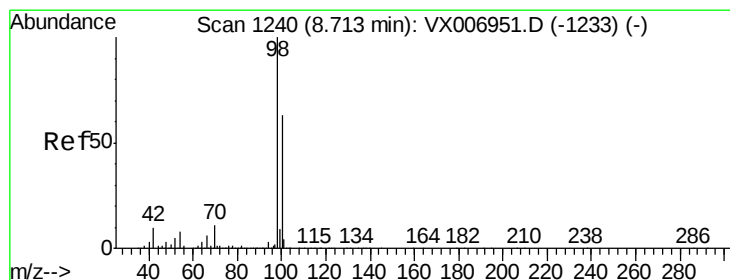
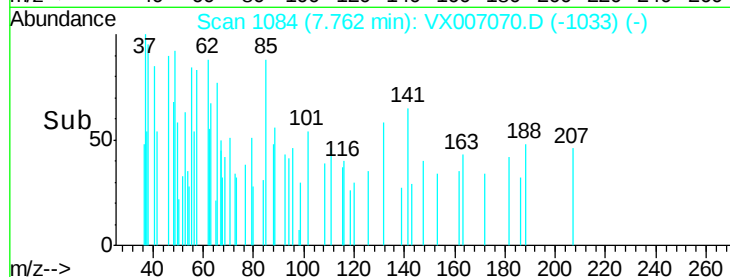
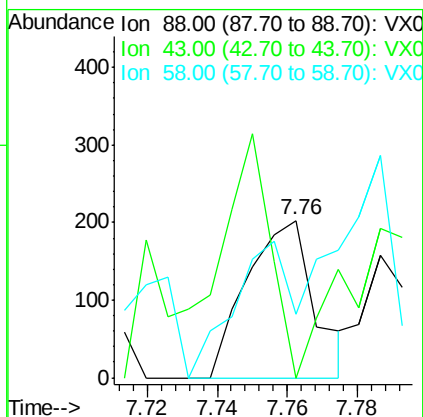
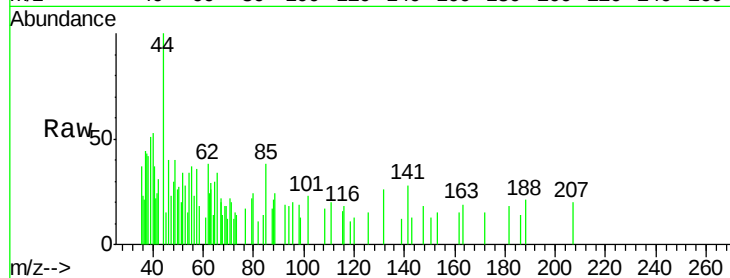




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX007070.D
Acq: 16 Jan 2019 12:34

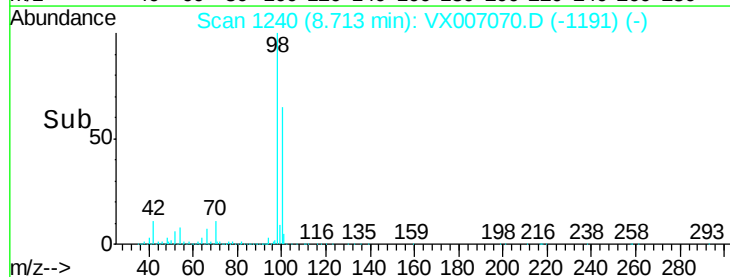
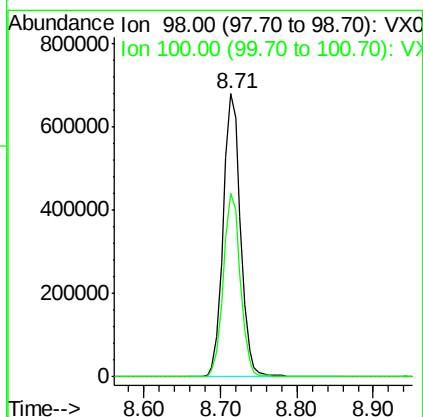
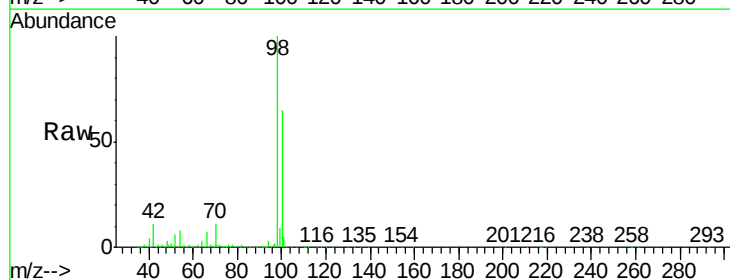
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190115

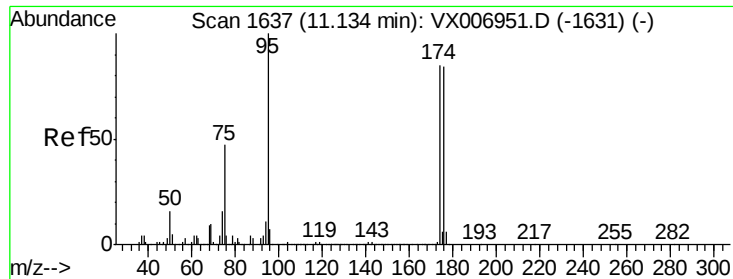
Tot Ion: 88 Resp: 273
Ion Ratio Lower Upper
88 100
43 105.5 22.2 33.4#
58 73.6 51.0 76.4



#50
Toluene-d8
Concen: 50.988 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007070.D
Acq: 16 Jan 2019 12:34

Tgt Ion: 98 Resp: 1066678
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 51.116 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190115

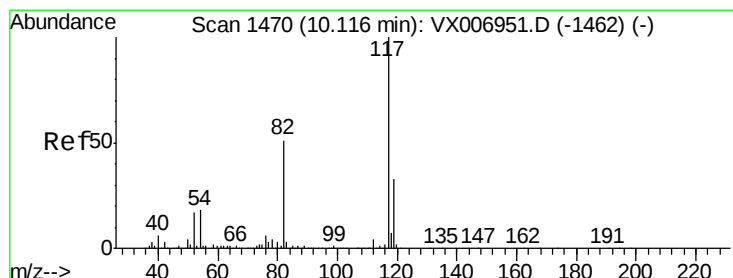
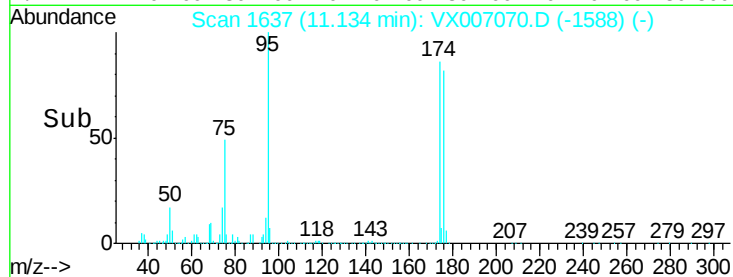
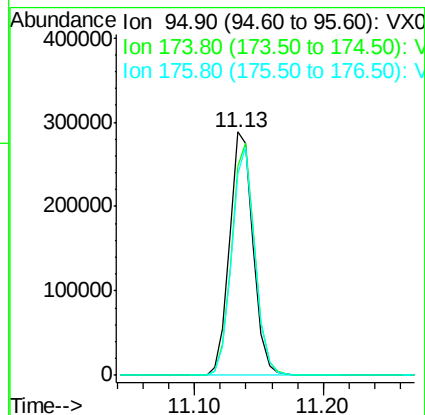
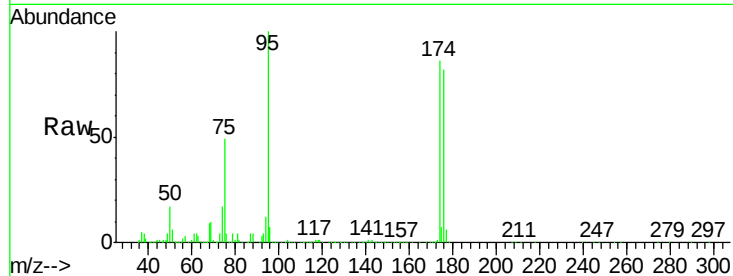
Tot Ion: 95 Resp: 372806

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.2

176 91.0 0.0 178.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

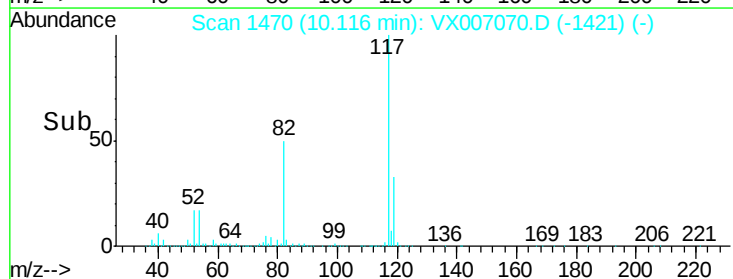
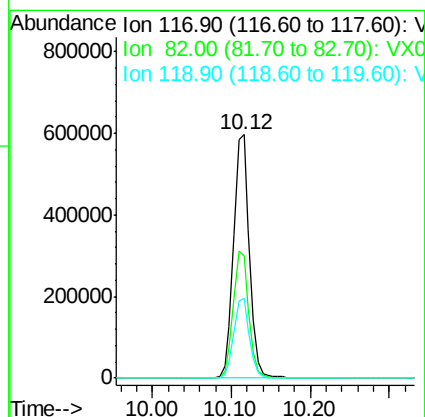
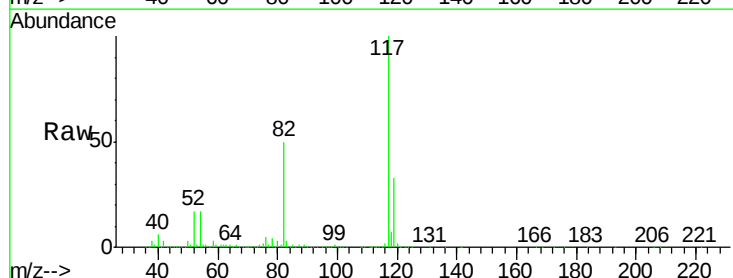
Tgt Ion: 117 Resp: 830907

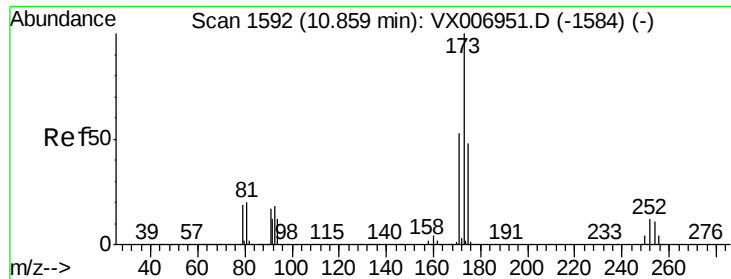
Ion Ratio Lower Upper

117 100

82 49.9 41.0 61.6

119 32.6 25.4 38.0





#71

Bromoform

Concen: 4.746 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.16 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190115

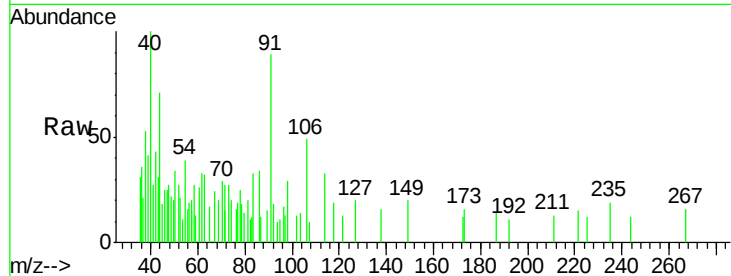
Tot Ion:173 Resp: 114

Ion Ratio Lower Upper

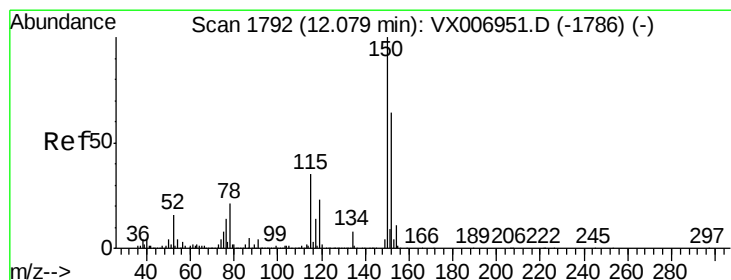
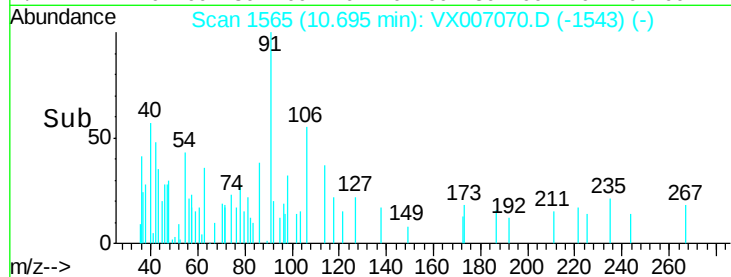
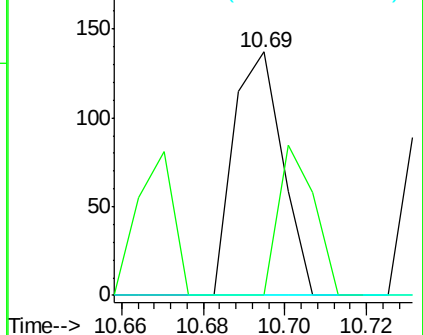
173 100

175 0.0 24.7 74.1#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

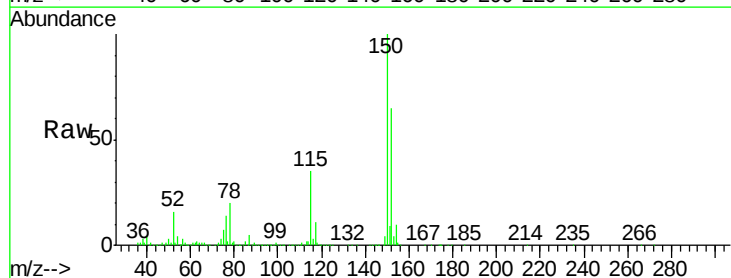
Tgt Ion:152 Resp: 402561

Ion Ratio Lower Upper

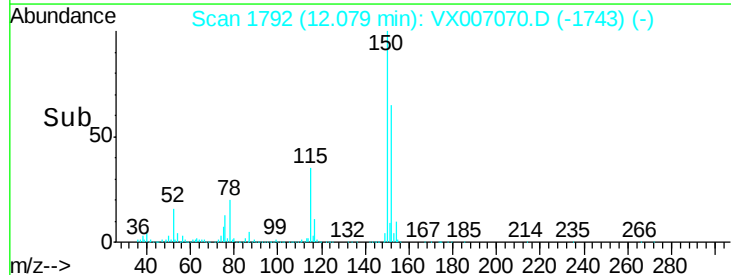
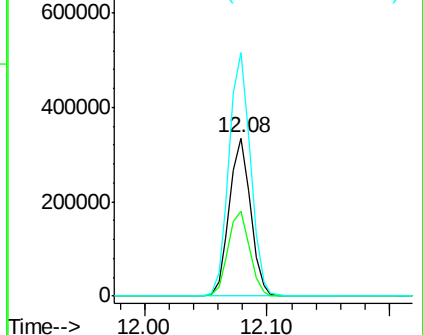
152 100

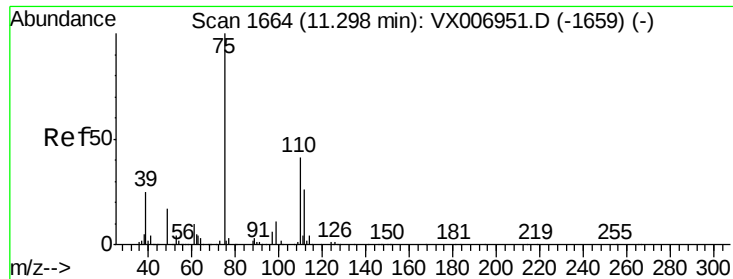
115 54.3 39.1 117.2

150 155.6 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: 21.778 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

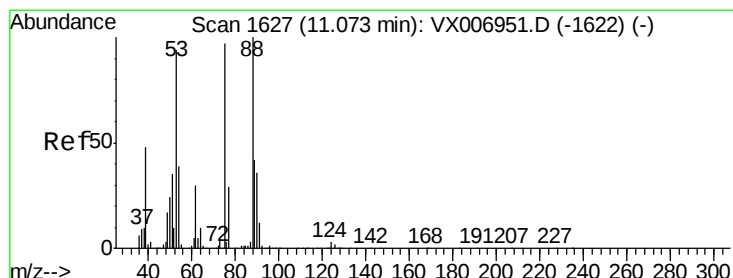
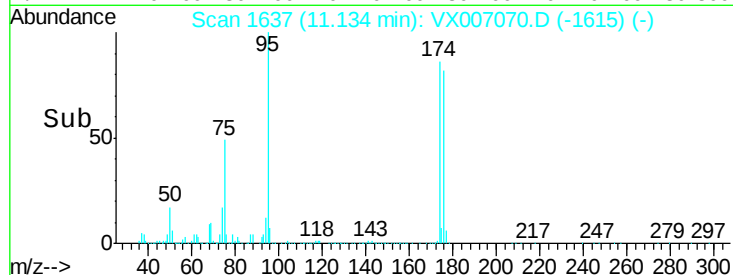
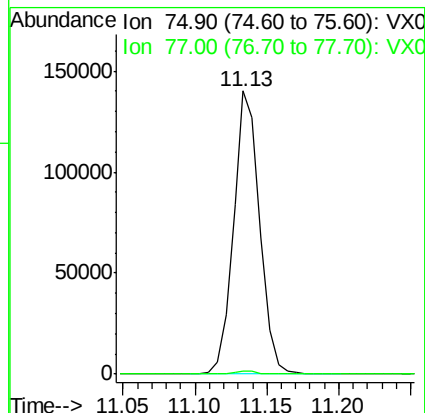
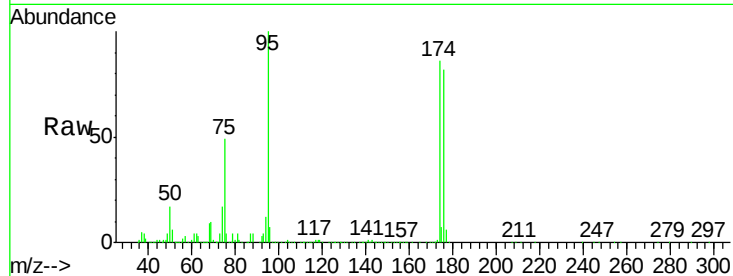
TB-01-190115

Tot Ion: 75 Resp: 177658

Ion Ratio Lower Upper

75 100

77 1.1 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.533 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

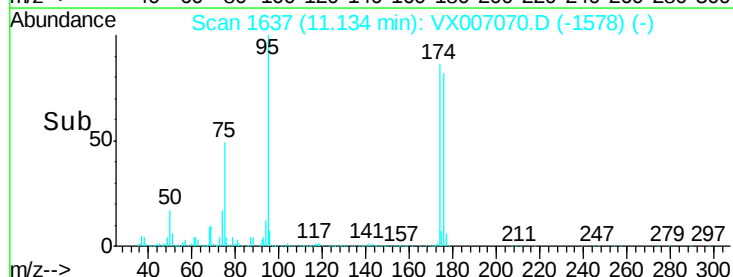
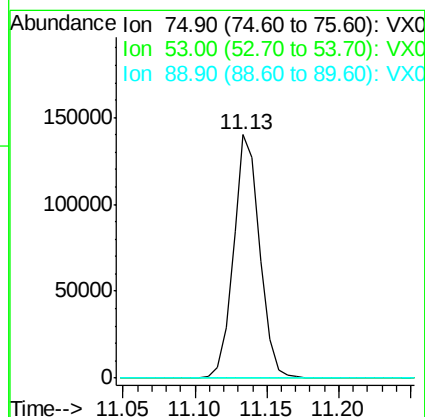
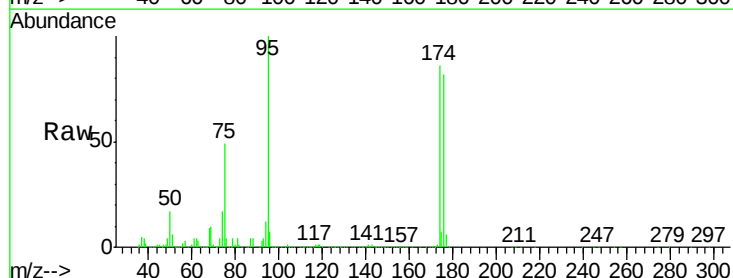
Tgt Ion: 75 Resp: 177658

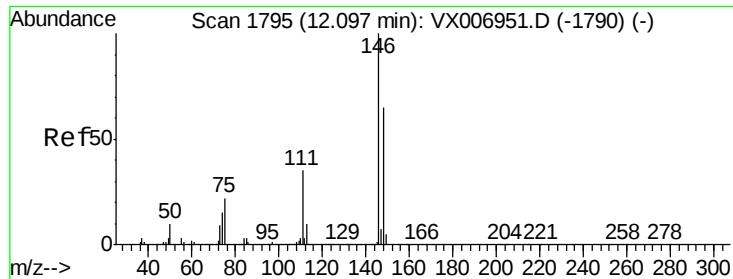
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#





#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.07 min

Lab File: VX007070.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA_X

ClientSampled :

TB-01-190115

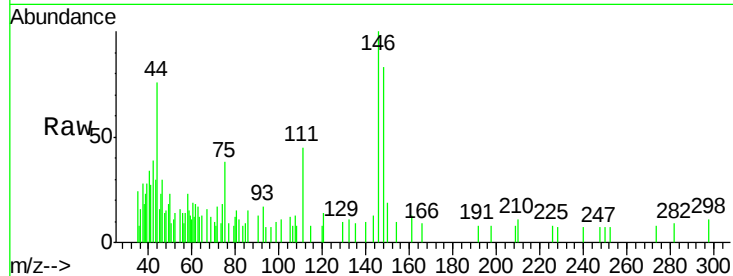
Tot Ion:146 Resp: 1143

Ion Ratio Lower Upper

146 100

111 42.1 18.1 54.1

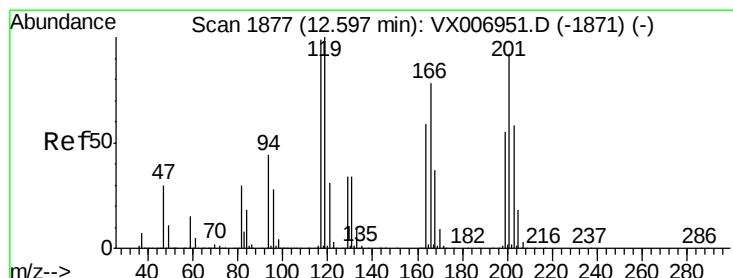
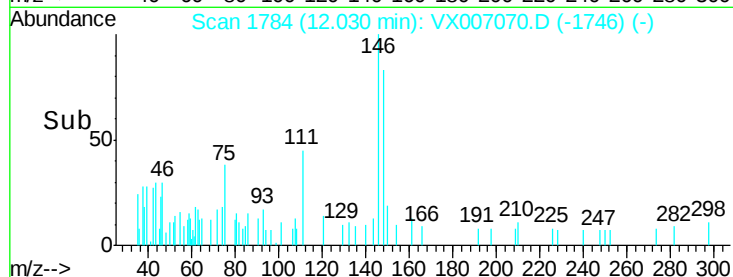
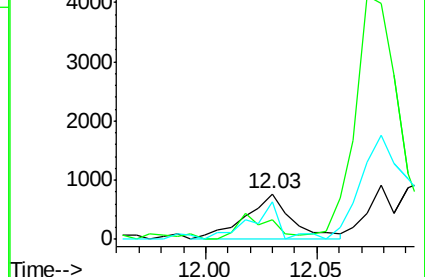
148 52.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.926 ug/l

RT: 12.65 min Scan# 1886

Delta R.T. 0.06 min

Lab File: VX007070.D

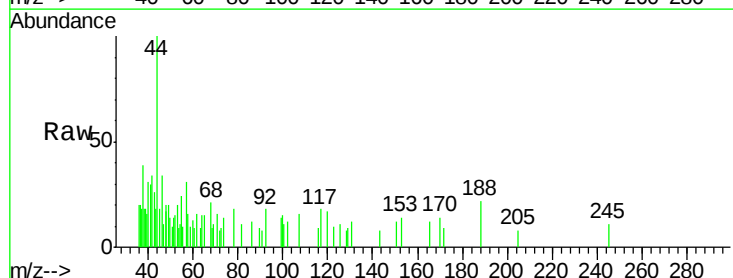
Acq: 16 Jan 2019 12:34

Tgt Ion:117 Resp: 76

Ion Ratio Lower Upper

117 100

201 76.3 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

