

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006630.D
 Acq On : 19 Dec 2018 06:31
 Operator : JC/MD
 Sample : J6408-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208

Quant Time: Dec 19 07:40:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	620036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1006059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	915539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	438058	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	350070	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.51	113	297010	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	1188357	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	434435	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	

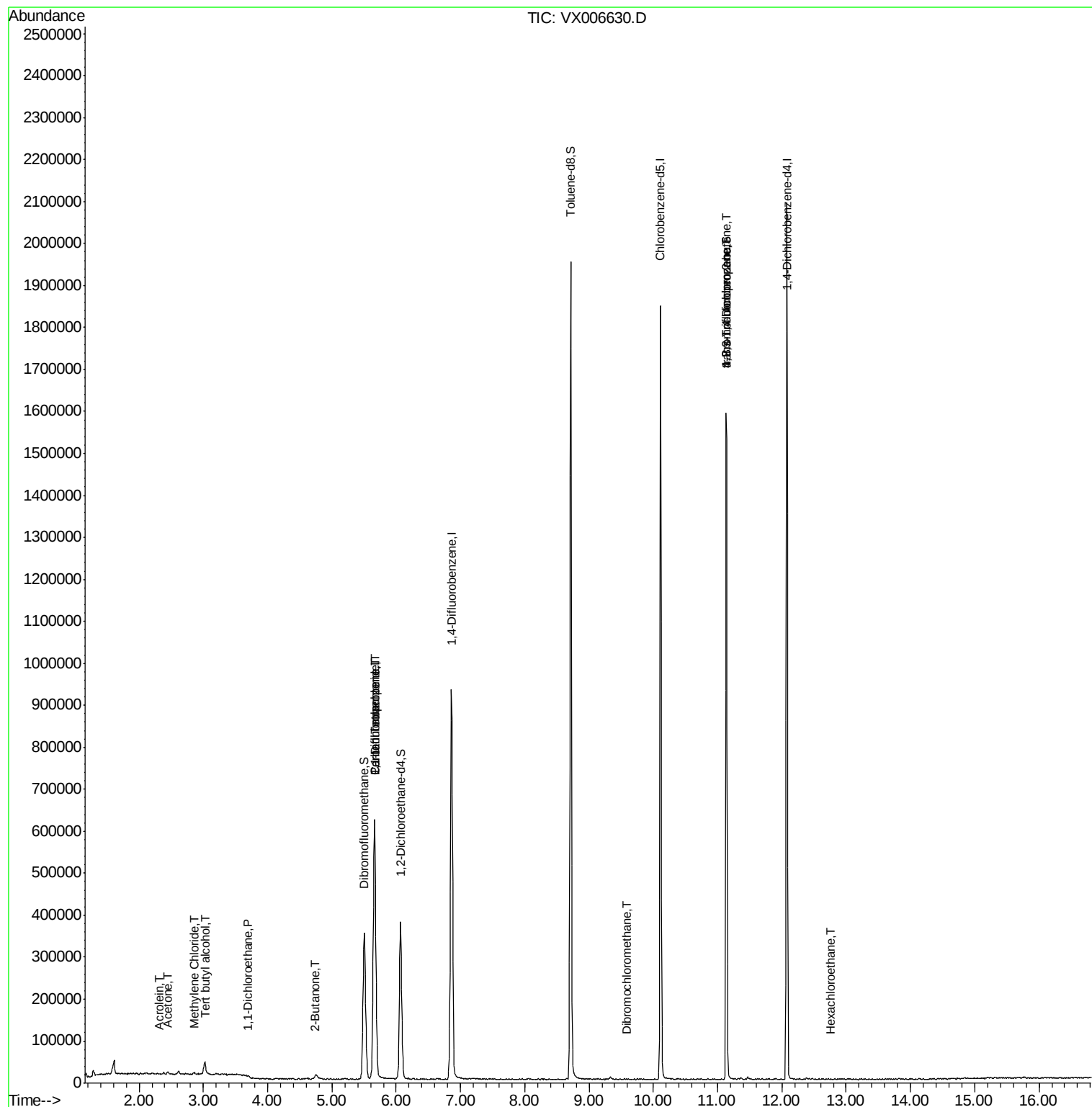
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	613	Below Cal	#	58
11) Tert butyl alcohol	3.02	59	17418	11.679	ug/l #	77
13) Acrolein	2.32	56	225	0.224	ug/l #	1
16) Acetone	2.45	43	4961	1.616	ug/l	90
20) Methylene Chloride	2.85	84	1826	0.288	ug/l #	68
24) 1,1-Dichloroethane	3.70	63	5733	0.563	ug/l #	93
25) 2-Butanone	4.73	43	1243	0.288	ug/l #	81
28) Bromochloromethane	5.03	49	196	Below Cal	#	1
36) 1,1-Dichloropropene	5.67	75	42624	5.115	ug/l #	44
38) Carbon Tetrachloride	5.67	117	60254	7.441	ug/l #	16
49) 1,4-Dioxane	7.73	88	61	Below Cal	#	1
60) Dibromochloromethane	9.60	129	78	2.335	ug/l	62
76) 1,2,3-Trichloropropane	11.13	75	203557	26.513	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	203557	73.886	ug/l #	15
90) Hexachloroethane	12.76	117	66	3.308	ug/l	97

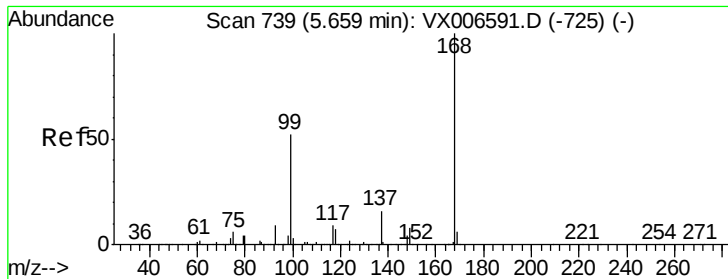
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
Data File : VX006630.D
Acq On : 19 Dec 2018 06:31
Operator : JC/MD
Sample : J6408-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208

Quant Time: Dec 19 07:40:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration



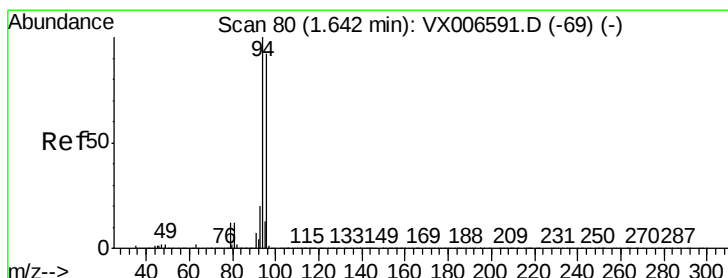
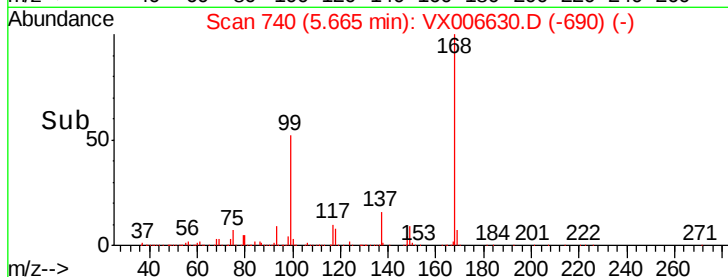
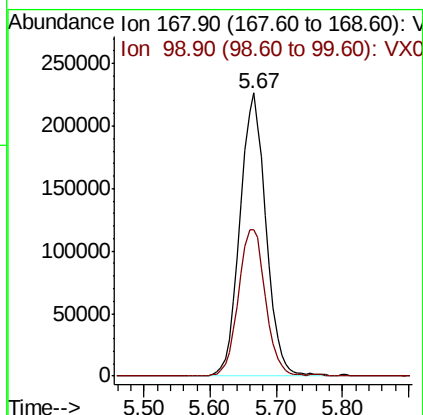
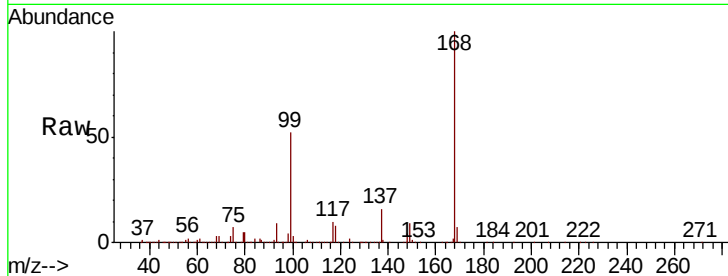


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006630.D
 Acq: 19 Dec 2018 06:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208

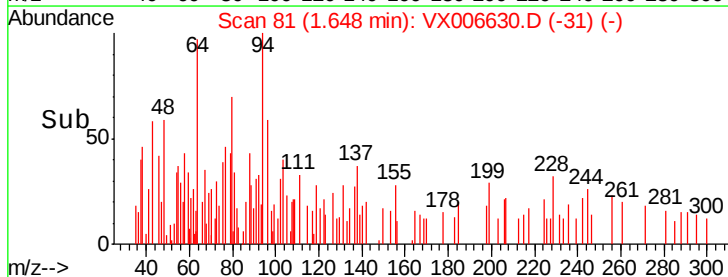
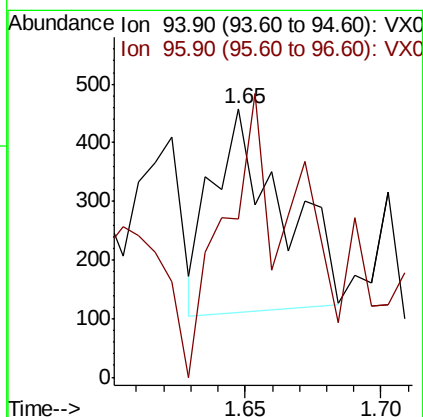
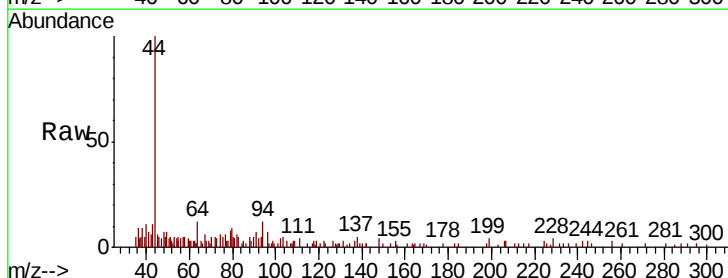
Tot Ion:168 Resp: 620036
 Ion Ratio Lower Upper
 168 100
 99 51.6 37.8 56.8

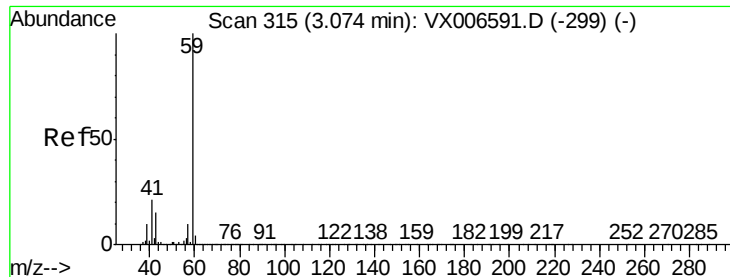


#5

Bromomethane
 Concen: Below Cal
 RT: 1.65 min Scan# 81
 Delta R.T. 0.01 min
 Lab File: VX006630.D
 Acq: 19 Dec 2018 06:31

Tgt Ion: 94 Resp: 613
 Ion Ratio Lower Upper
 94 100
 96 52.7 74.5 111.7#



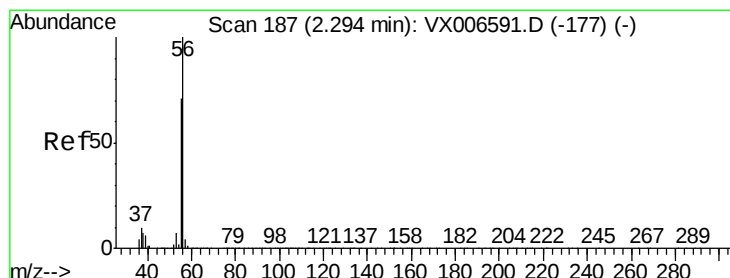
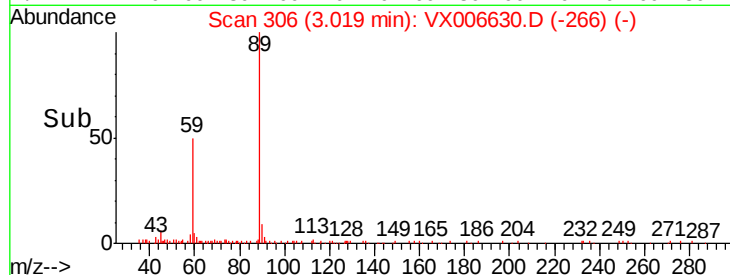
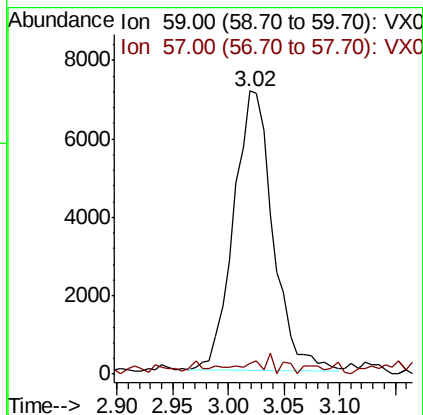
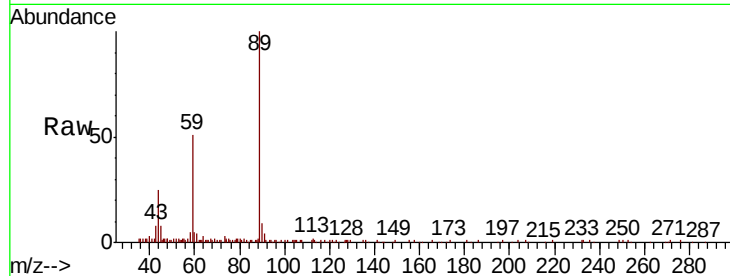


#11

Tert butyl alcohol
Concen: 11.679 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006630.D
Acq: 19 Dec 2018 06:31

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208

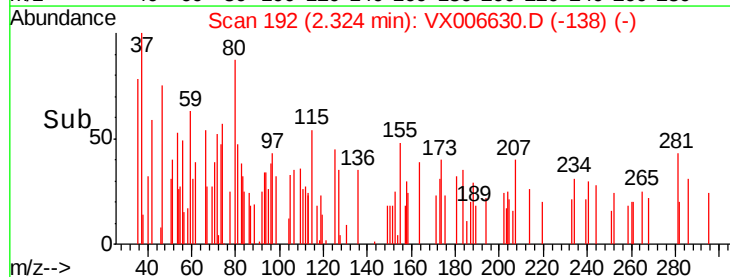
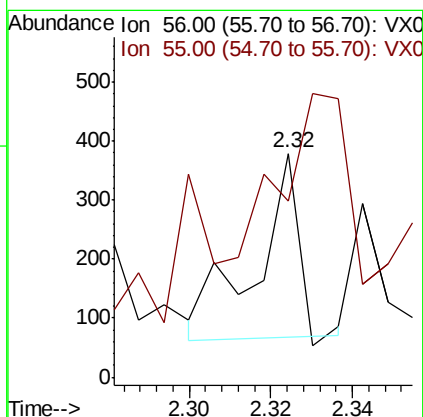
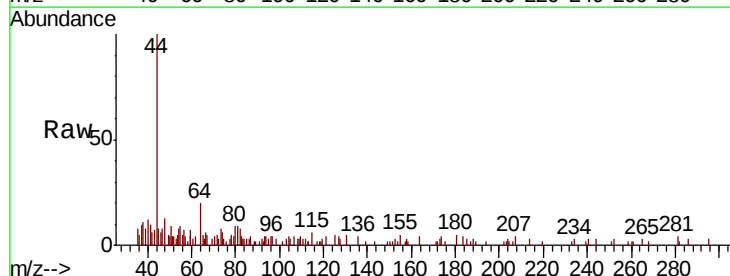
Tot Ion: 59 Resp: 17418
Ion Ratio Lower Upper
59 100
57 1.5 8.2 12.2#

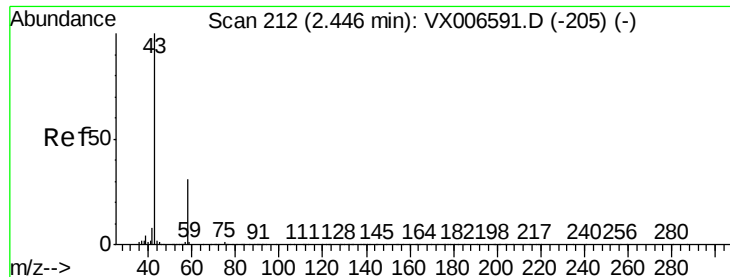


#13

Acrolein
Concen: 0.224 ug/l
RT: 2.32 min Scan# 192
Delta R.T. 0.03 min
Lab File: VX006630.D
Acq: 19 Dec 2018 06:31

Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 196.4 57.8 86.6#





#16

Acetone

Concen: 1.616 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

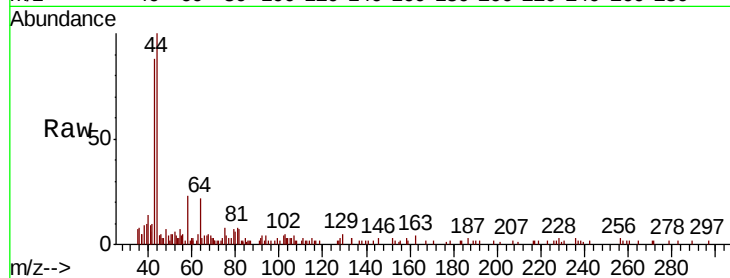
SA.PZ135I-20181208

Tot Ion: 43 Resp: 4961

Ion Ratio Lower Upper

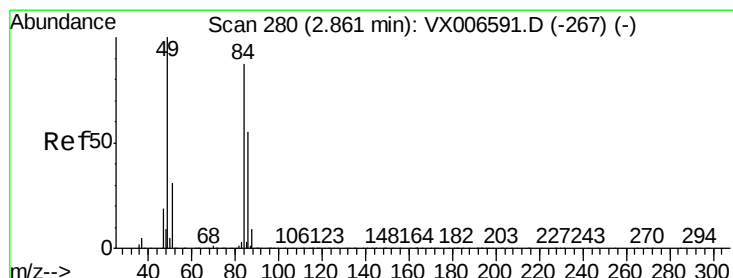
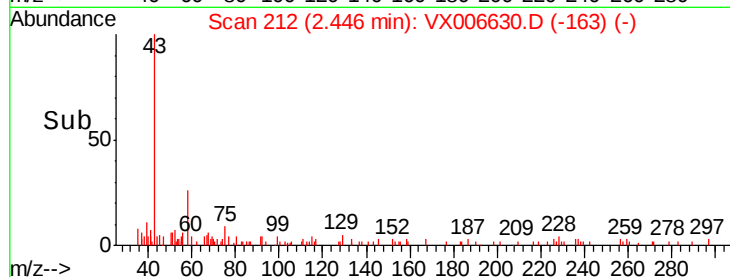
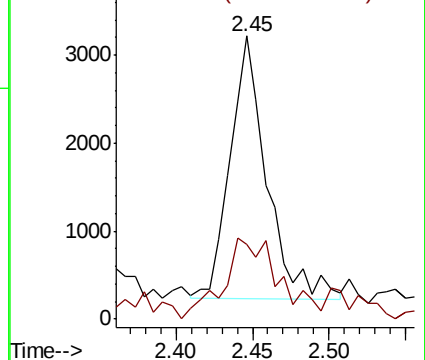
43 100

58 24.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.288 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Tgt Ion: 84 Resp: 1826

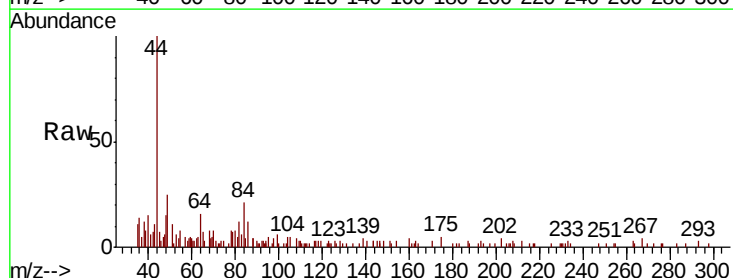
Ion Ratio Lower Upper

84 100

49 88.9 102.2 153.4#

51 32.6 31.1 46.7

86 32.7 53.7 80.5#

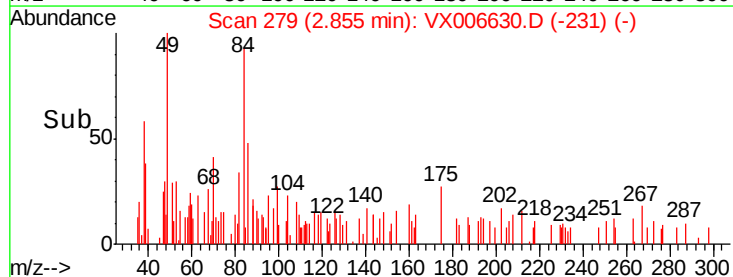
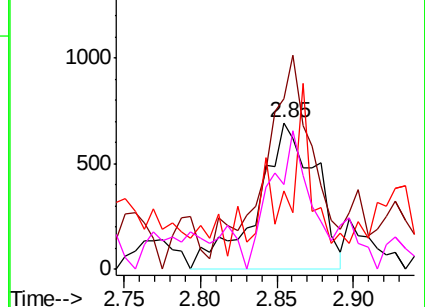


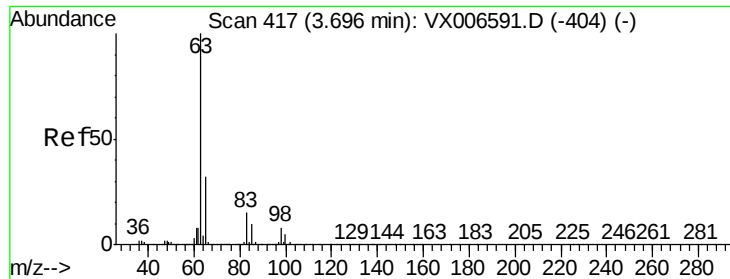
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#24

1,1-Dichloroethane

Concen: 0.563 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

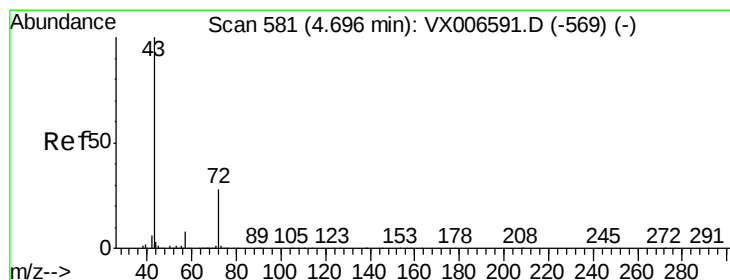
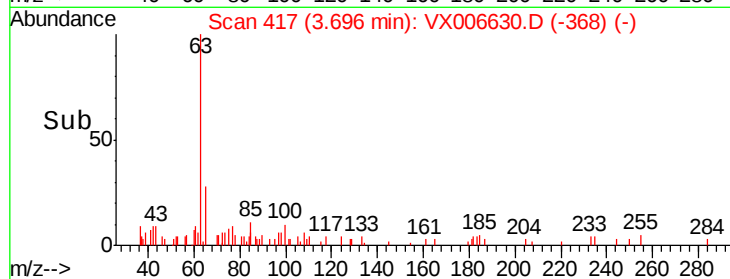
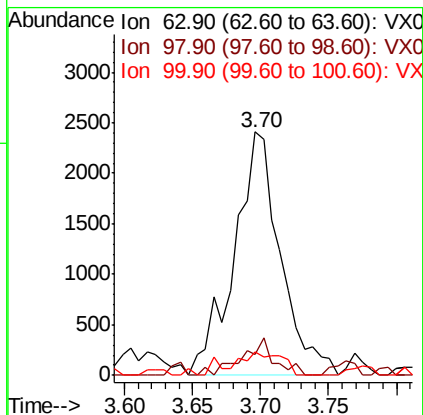
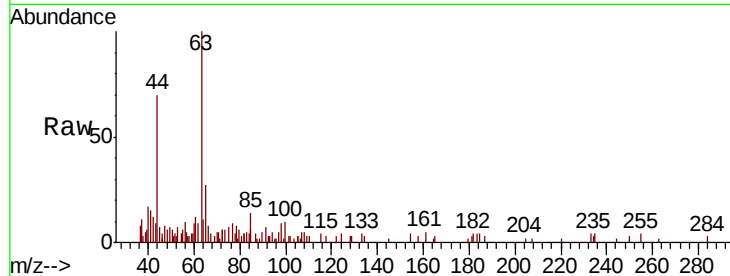
Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208

Tot Ion:	63	Resp:	5733
Ion	Ratio	Lower	Upper
63	100		
98	8.5	3.8	11.4
100	9.5	2.5	7.4#



#25

2-Butanone

Concen: 0.288 ug/l

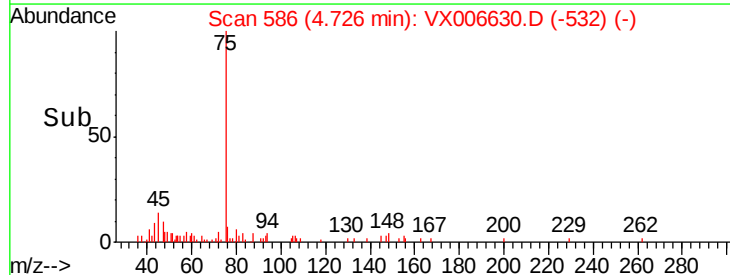
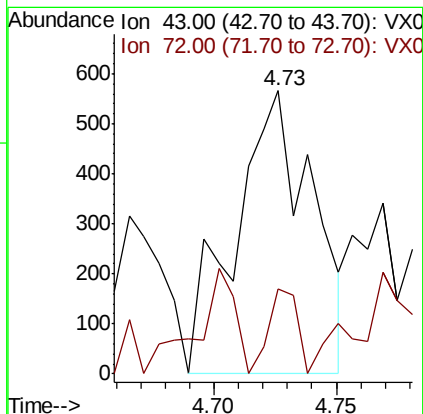
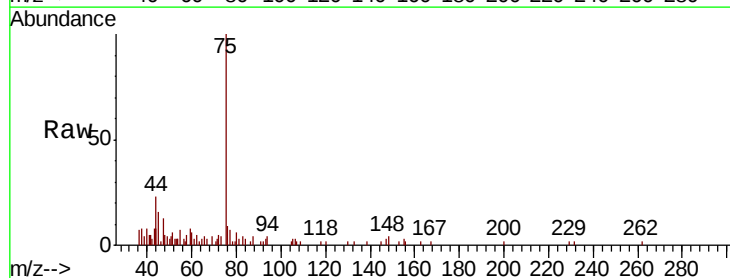
RT: 4.73 min Scan# 586

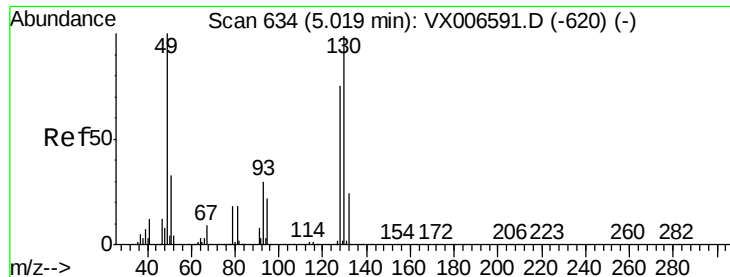
Delta R.T. 0.03 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Tgt Ion:	43	Resp:	1243
Ion	Ratio	Lower	Upper
43	100		
72	18.0	22.6	33.8#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208

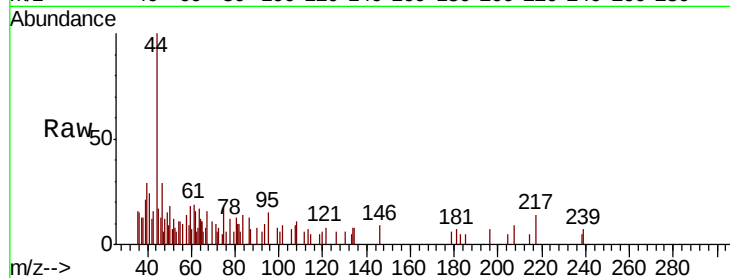
Tot Ion: 49 Resp: 196

Ion Ratio Lower Upper

49 100

129 28.6 0.0 5.0#

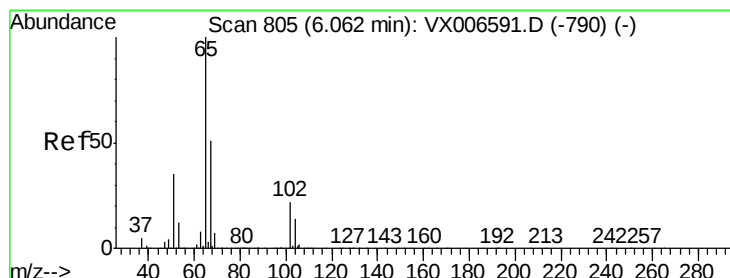
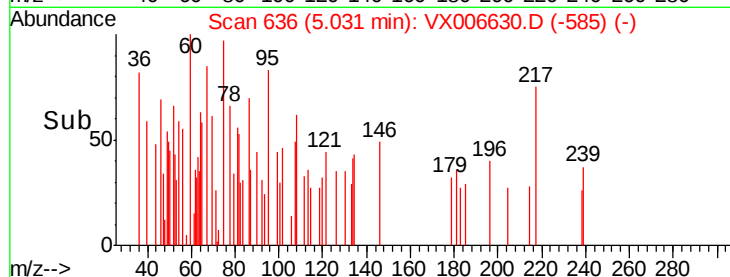
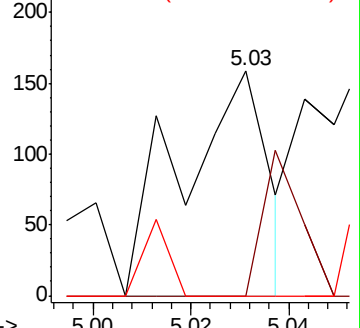
130 0.0 78.3 117.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 52.386 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006630.D

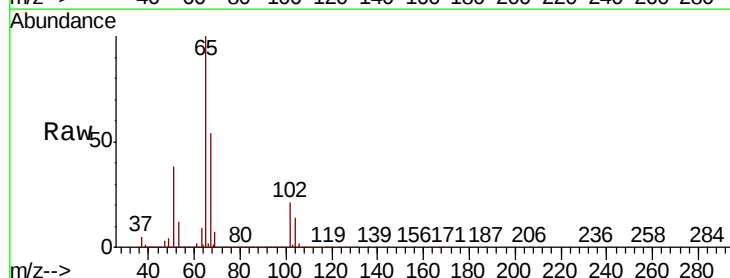
Acq: 19 Dec 2018 06:31

Tgt Ion: 65 Resp: 350070

Ion Ratio Lower Upper

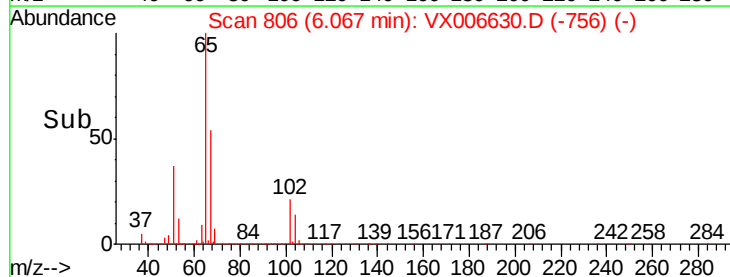
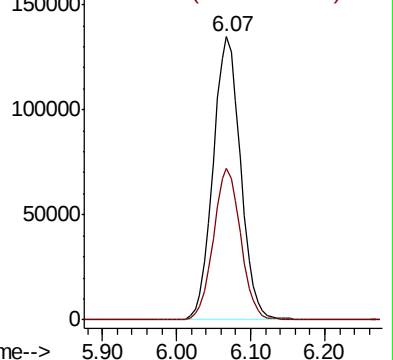
65 100

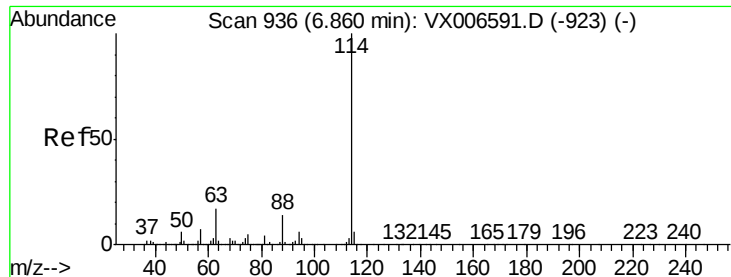
67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208

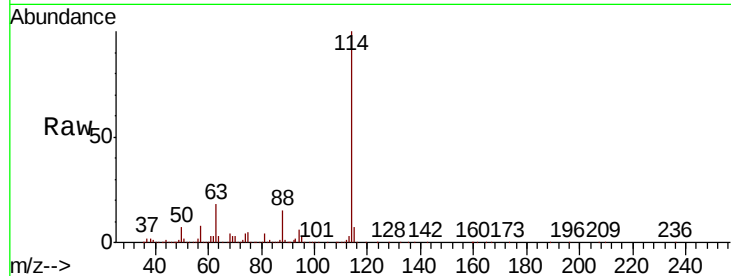
Tot Ion:114 Resp: 1006059

Ion Ratio Lower Upper

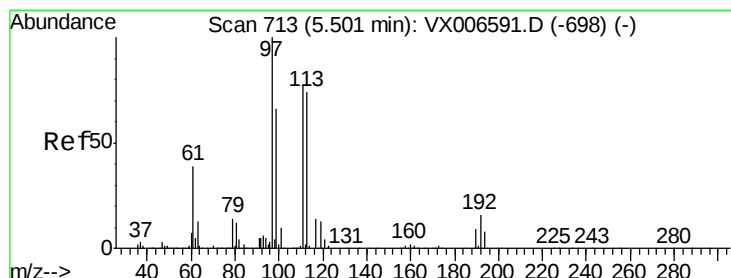
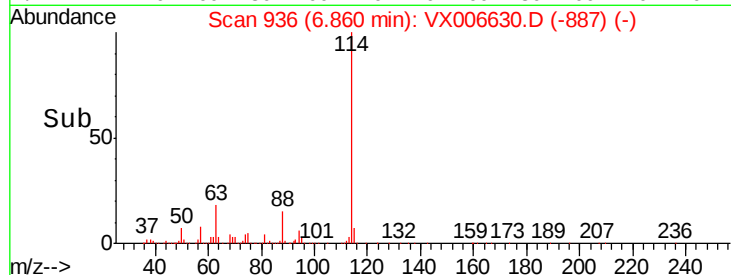
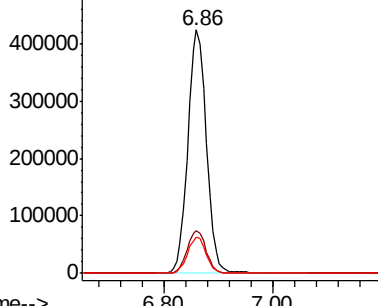
114 100

63 17.7 0.0 36.6

88 15.0 0.0 29.0



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: 46.684 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

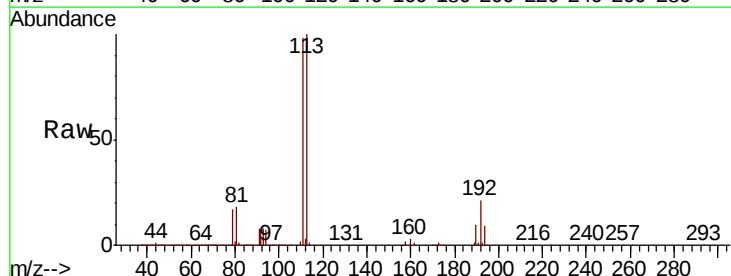
Tgt Ion:113 Resp: 297010

Ion Ratio Lower Upper

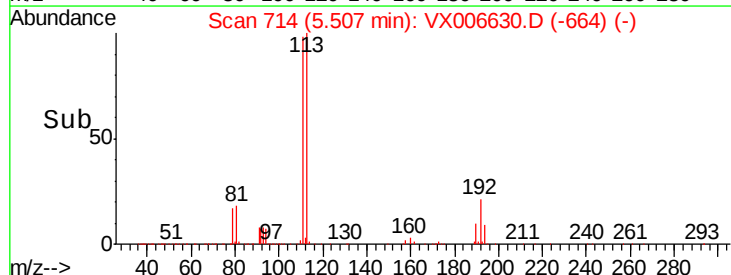
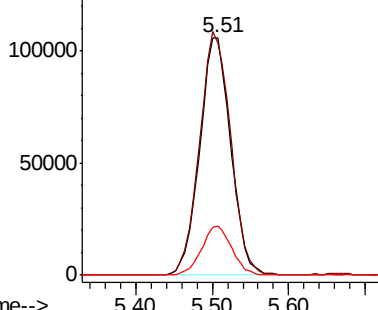
113 100

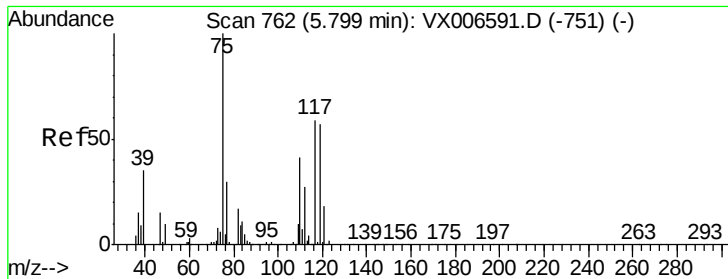
111 102.9 81.1 121.7

192 20.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.115 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208

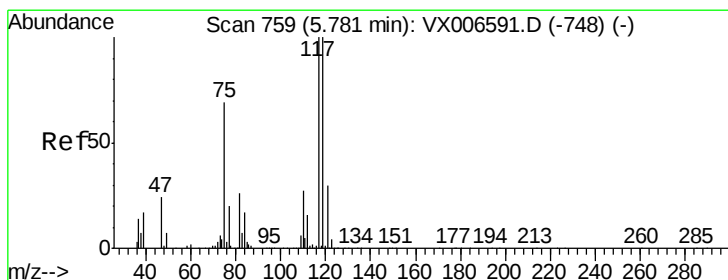
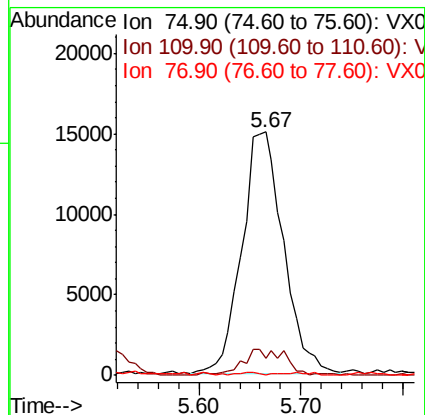
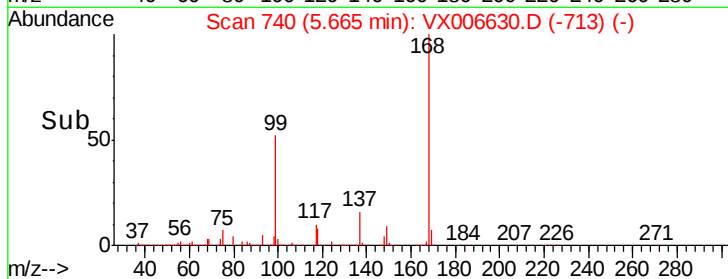
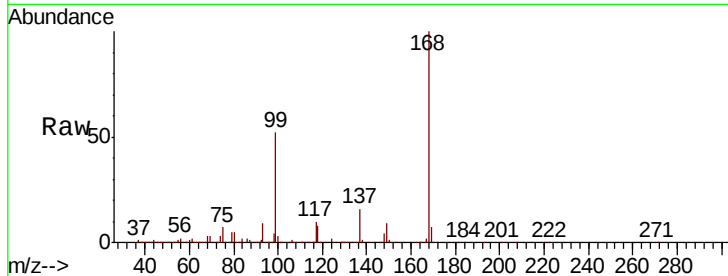
Tot Ion: 75 Resp: 42624

Ion Ratio Lower Upper

75 100

110 6.1 20.4 61.3#

77 0.6 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 7.441 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

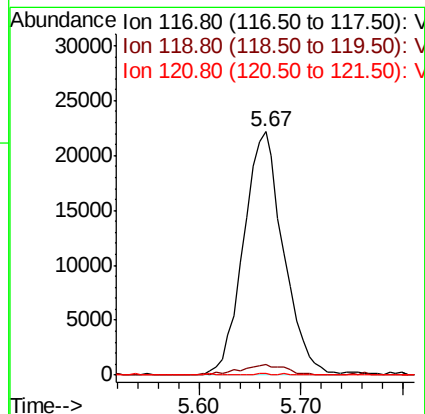
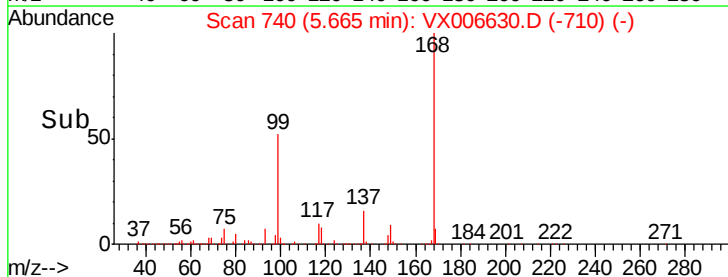
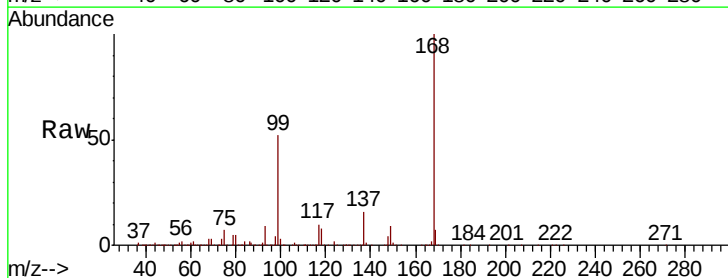
Tgt Ion: 117 Resp: 60254

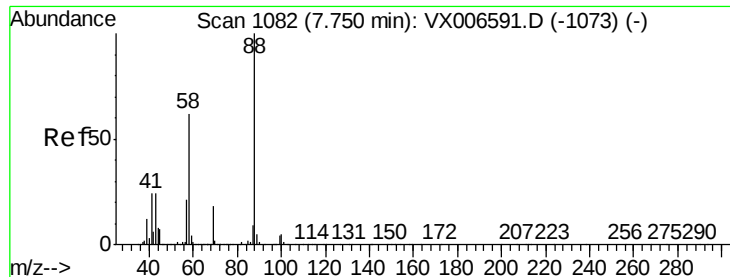
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.5 24.6 37.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ1351-20181208

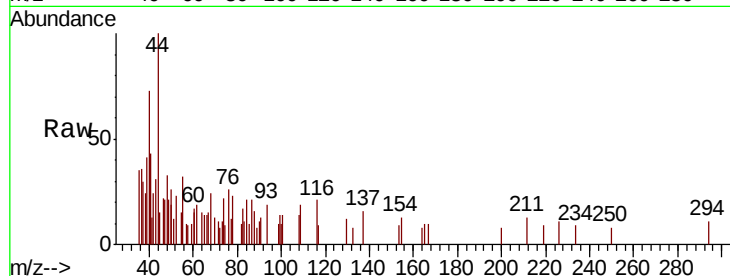
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 721.3 23.2 34.8#

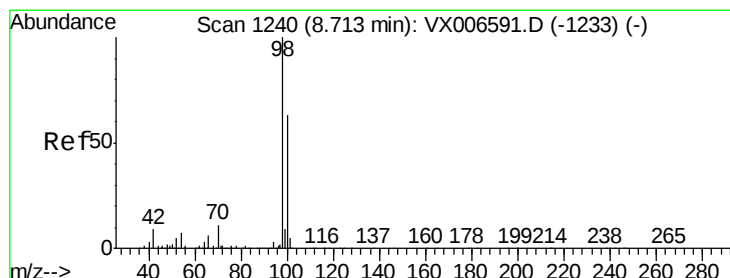
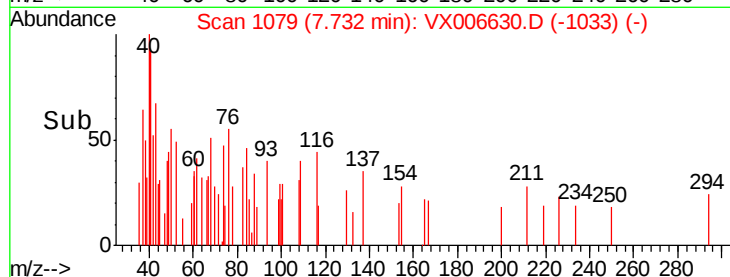
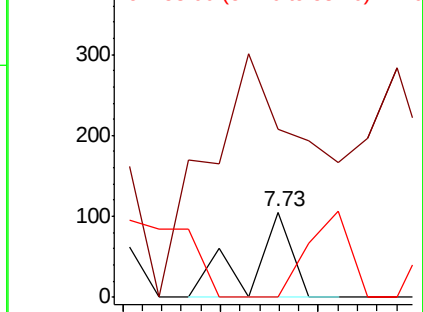
58 0.0 51.4 77.0#



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: 49.545 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006630.D

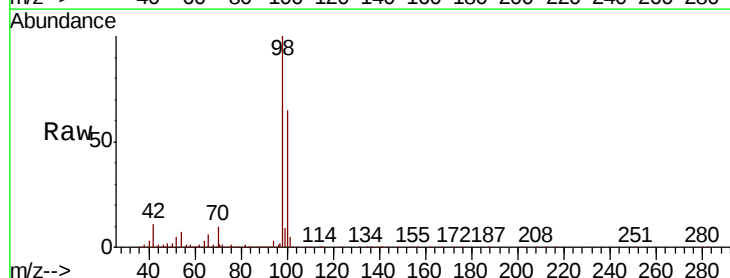
Acq: 19 Dec 2018 06:31

Tgt Ion: 98 Resp: 1188357

Ion Ratio Lower Upper

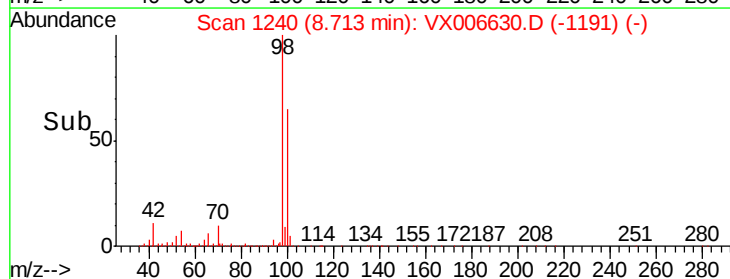
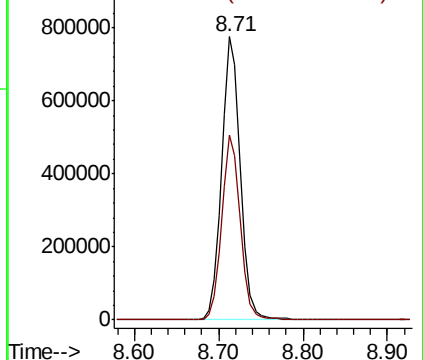
98 100

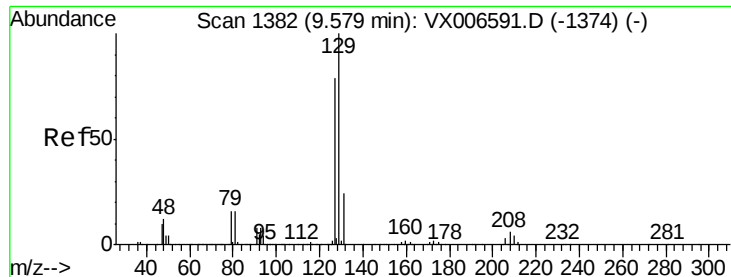
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 2.335 ug/l

RT: 9.60 min Scan# 1385

Delta R.T. 0.02 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

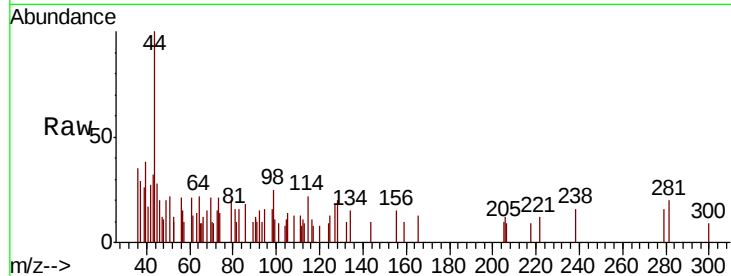
SA.PZ135I-20181208

Tot Ion:129 Resp: 78

Ion Ratio Lower Upper

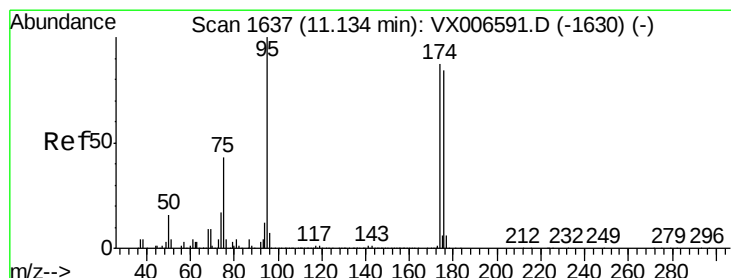
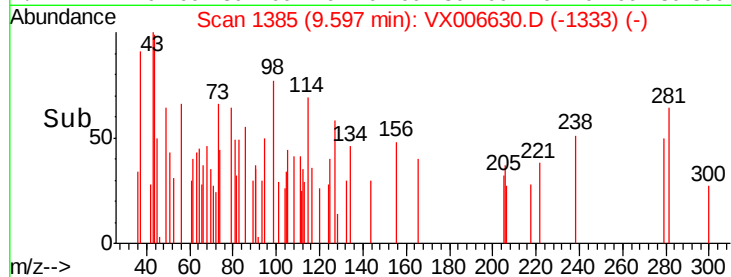
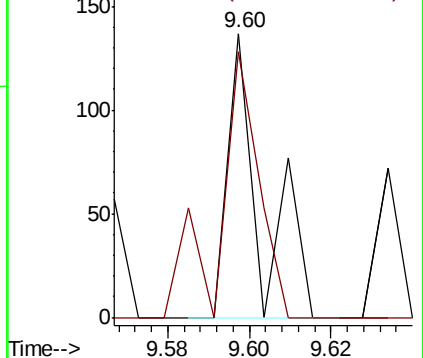
129 100

127 110.3 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.455 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

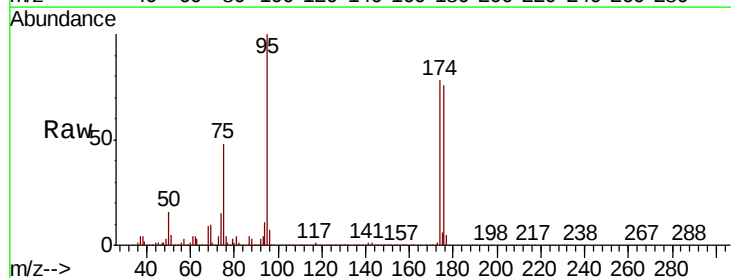
Tgt Ion: 95 Resp: 434435

Ion Ratio Lower Upper

95 100

174 83.1 0.0 187.0

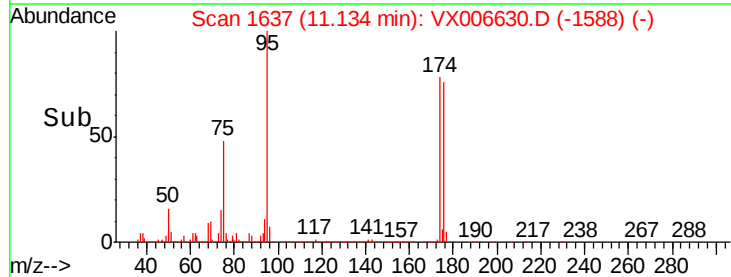
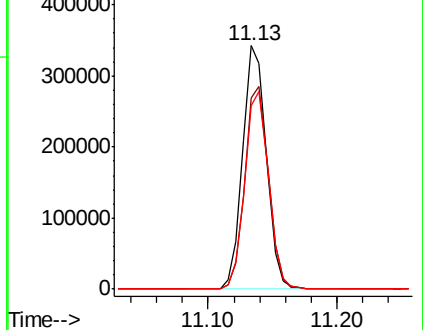
176 81.4 0.0 181.8

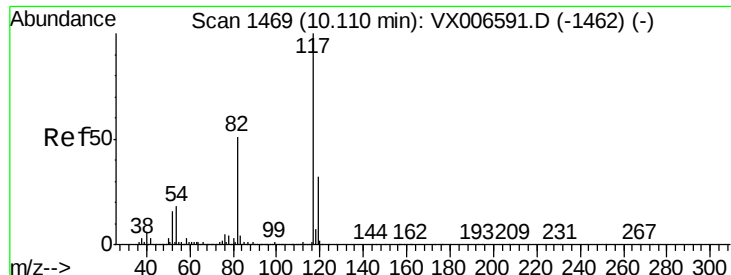


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208

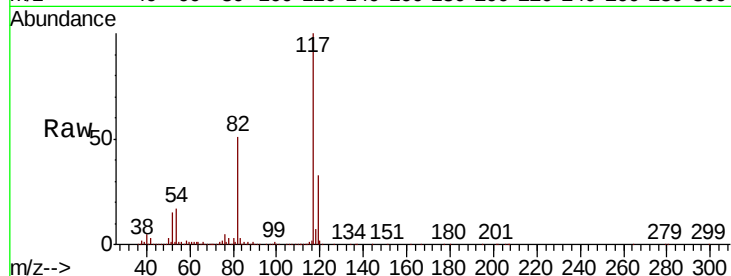
Tot Ion:117 Resp: 915539

Ion Ratio Lower Upper

117 100

82 50.9 39.6 59.4

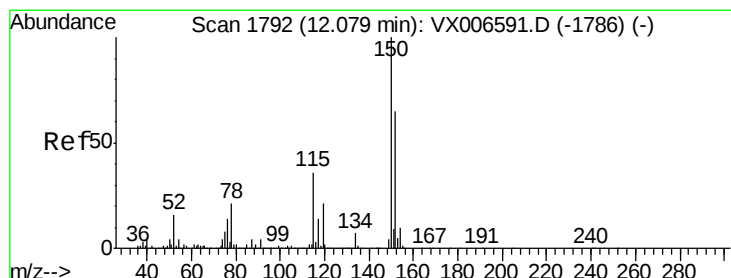
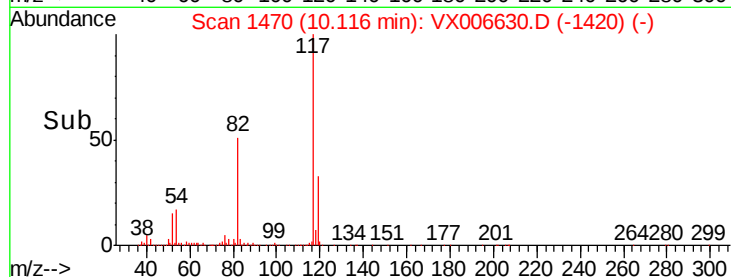
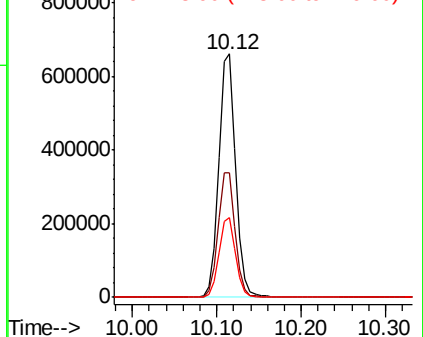
119 32.6 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX006630.D

Acq: 19 Dec 2018 06:31

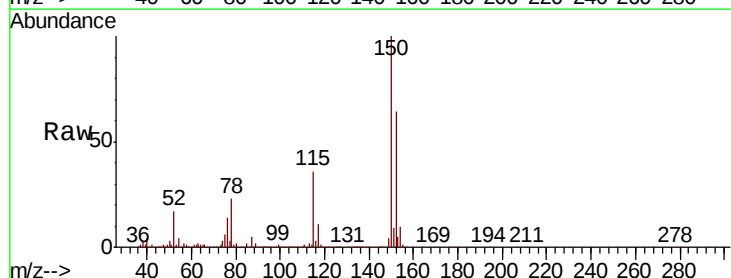
Tgt Ion:152 Resp: 438058

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

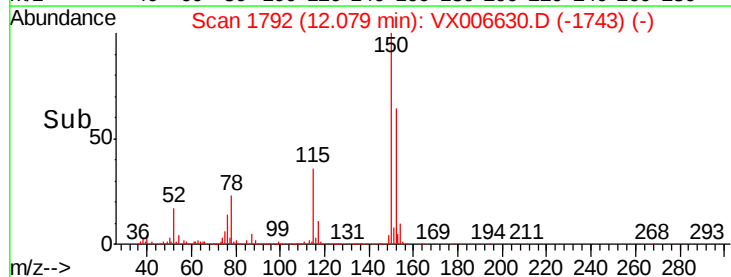
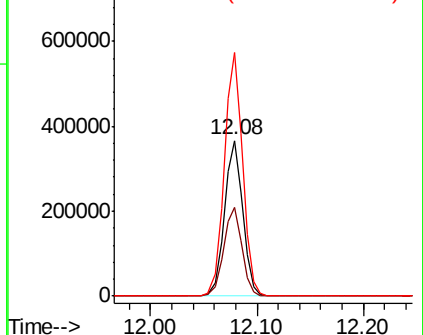
150 157.2 0.0 345.8

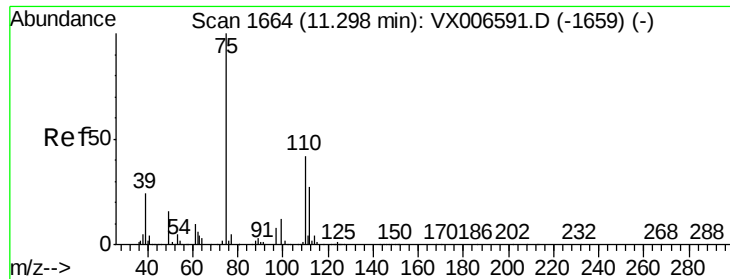


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

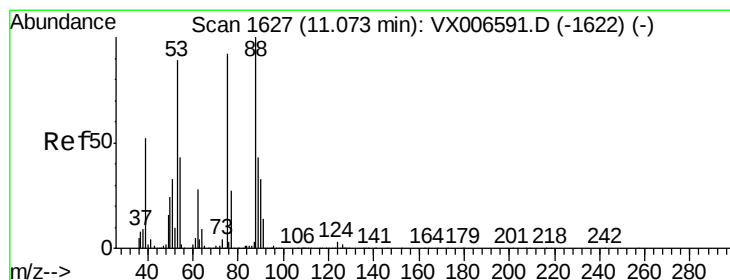
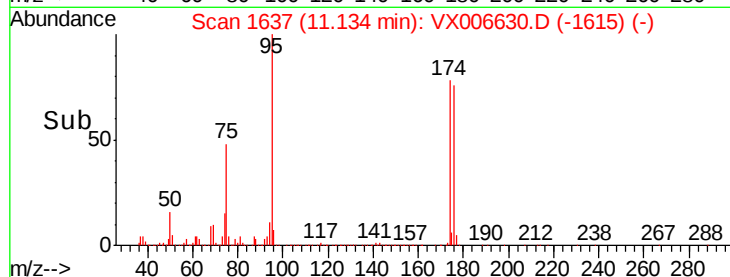
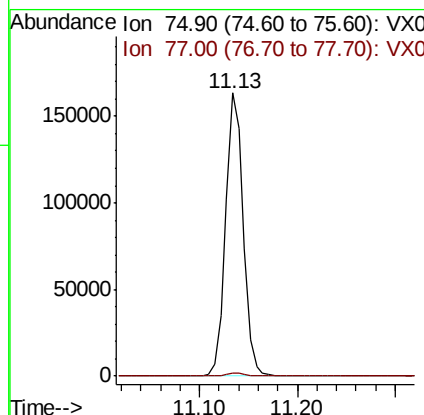
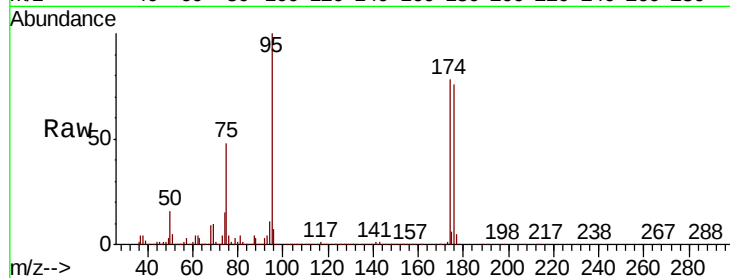




#76
 1,2,3-Trichloropropane
 Concen: 26.513 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006630.D
 Acq: 19 Dec 2018 06:31

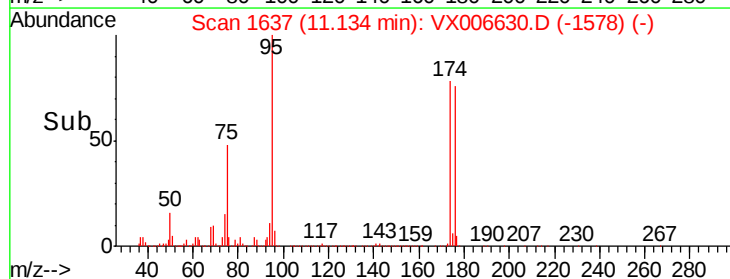
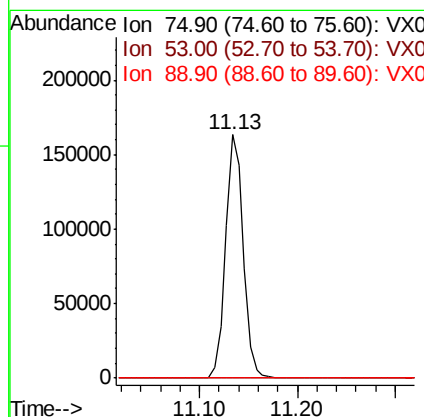
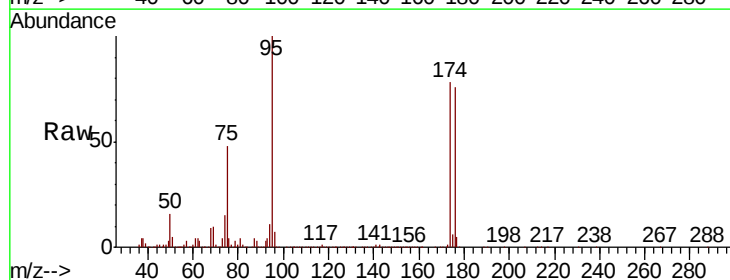
Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208

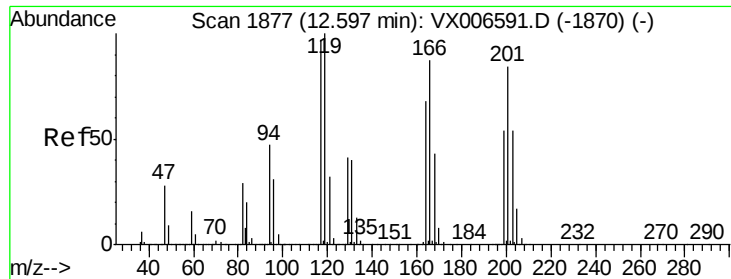
Tot Ion: 75 Resp: 203557
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.886 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006630.D
 Acq: 19 Dec 2018 06:31

Tgt Ion: 75 Resp: 203557
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.4 96.6#
 89 0.0 44.2 66.4#





#90

Hexachloroethane

Concen: 3.308 ug/l

RT: 12.76 min Scan# 1903

Delta R.T. 0.16 min

Lab File: VX006630.D

Acq: 19 Dec 2018 06:31

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208

Tot Ion:117 Resp: 66

Ion Ratio Lower Upper

117 100

201 92.4 44.7 134.1

