

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010131.D
 Acq On : 08 Jun 2019 00:04
 Operator : JC/SP
 Sample : K3221-09 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP02-20190605

Quant Time: Jun 08 02:26:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	306646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	463992	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	414434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	139509	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	5.50	113	141689	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.71	98	544753	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	192081	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

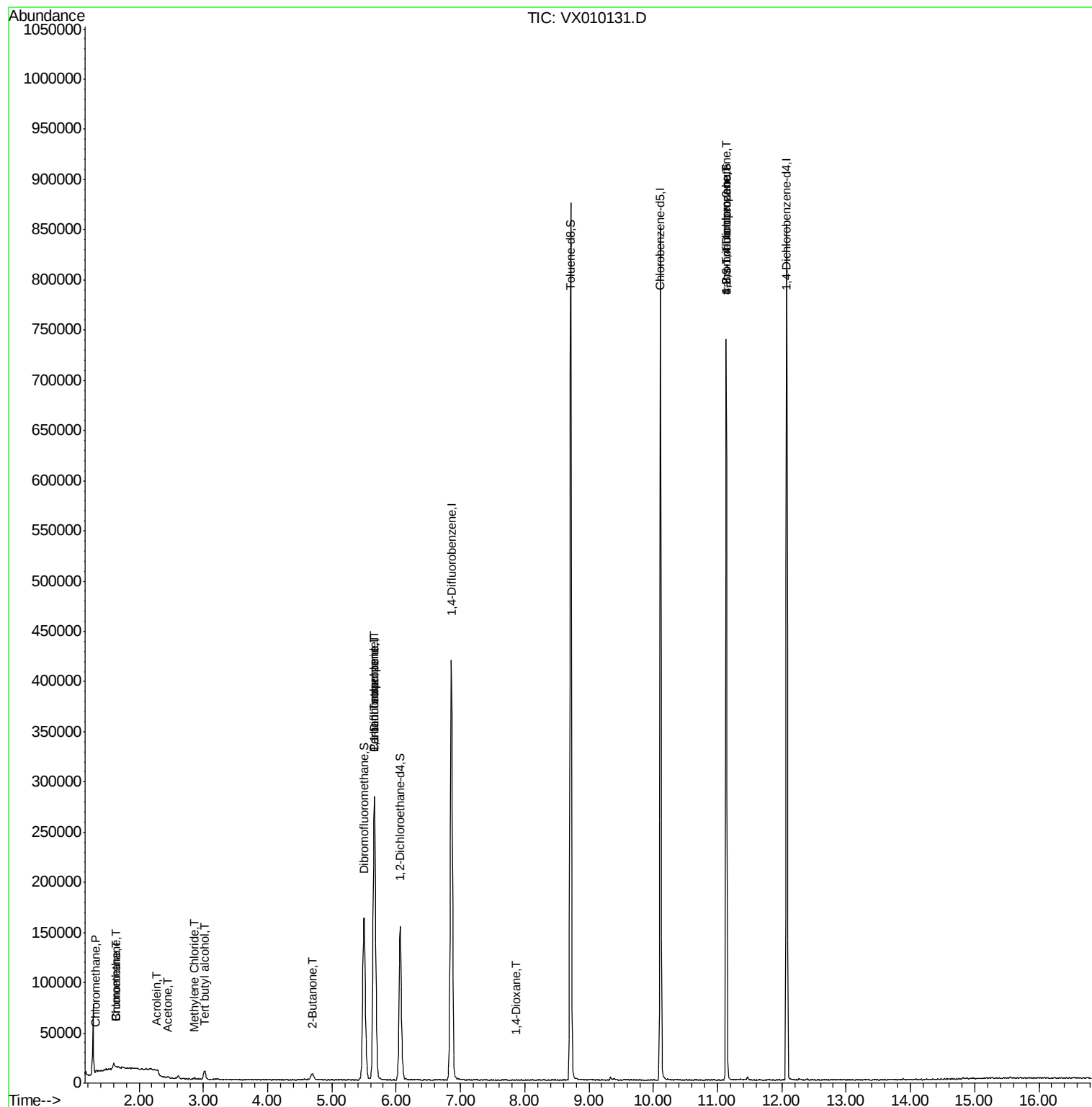
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	624	0.223	ug/l	97
5) Bromomethane	1.65	94	382	0.384	ug/l #	27
6) Chloroethane	1.64	64	377	0.284	ug/l #	43
11) Tert butyl alcohol	3.02	59	5232	7.135	ug/l #	76
13) Acrolein	2.28	56	258	1.930	ug/l #	48
16) Acetone	2.44	43	1178	0.837	ug/l	94
20) Methylene Chloride	2.85	84	857	0.277	ug/l #	70
25) 2-Butanone	4.70	43	585	0.279	ug/l #	54
36) 1,1-Dichloropropene	5.67	75	17837	4.712	ug/l #	53
38) Carbon Tetrachloride	5.66	117	26512	6.188	ug/l #	16
49) 1,4-Dioxane	7.87	88	19	0.216	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85501	22.036	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85501	48.687	ug/l #	10

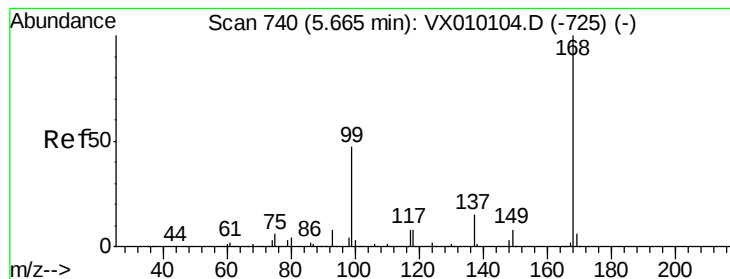
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA_X

ClientSampleId :

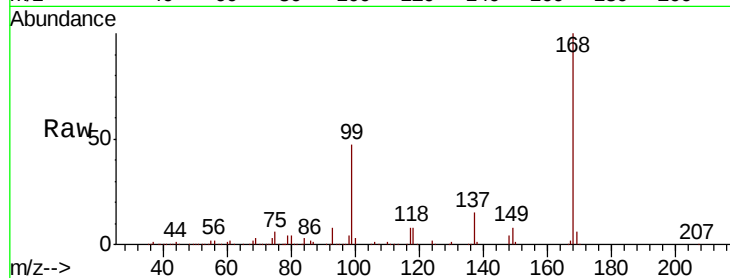
BP-DUP02-20190605

Tot Ion:168 Resp: 306646

Ion Ratio Lower Upper

168 100

99 46.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

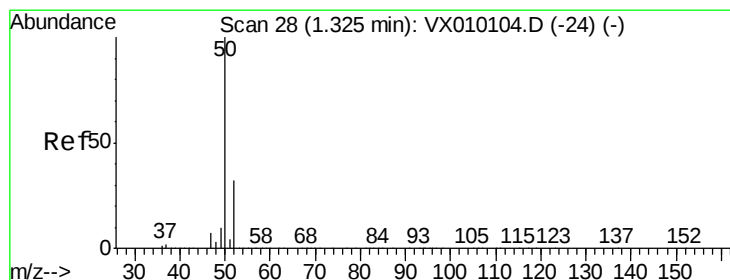
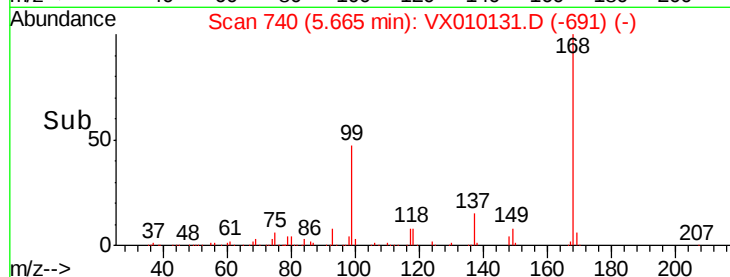
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.223 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010131.D

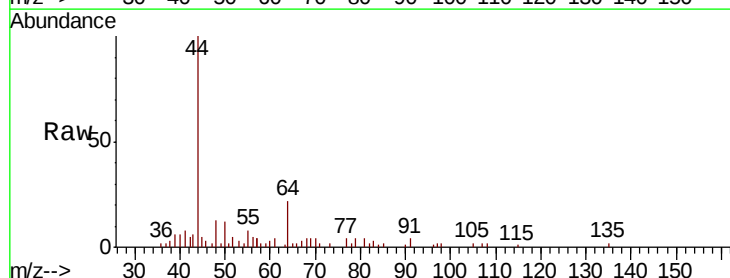
Acq: 08 Jun 2019 00:04

Tgt Ion: 50 Resp: 624

Ion Ratio Lower Upper

50 100

52 30.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

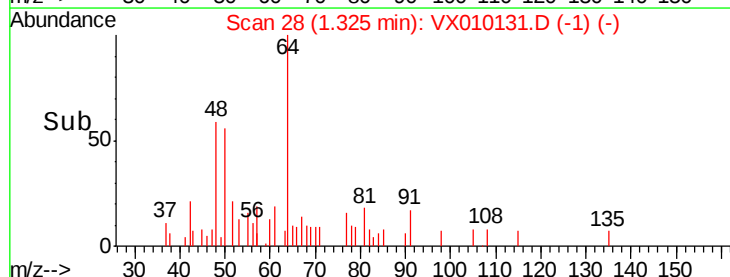
300

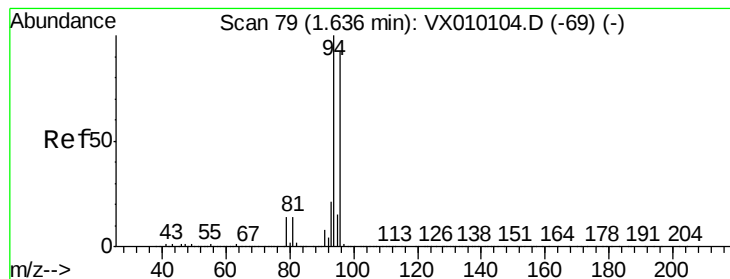
200

100

0

Time-->





#5

Bromomethane

Concen: 0.384 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA_X

ClientSampleId :

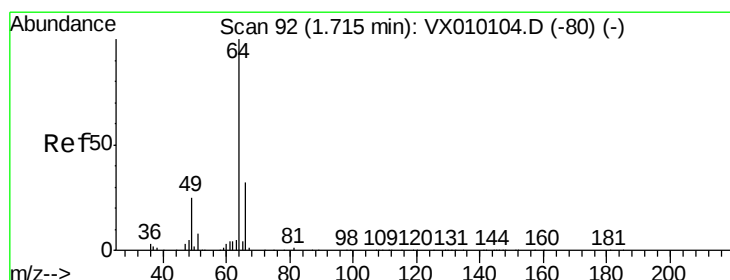
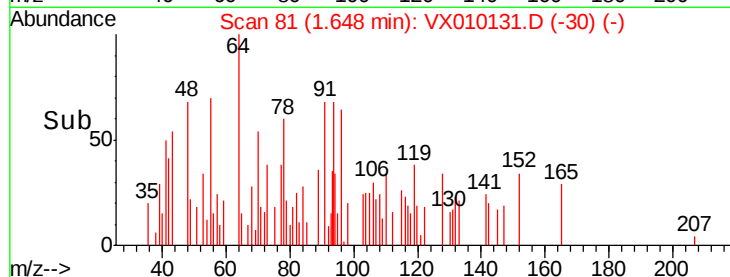
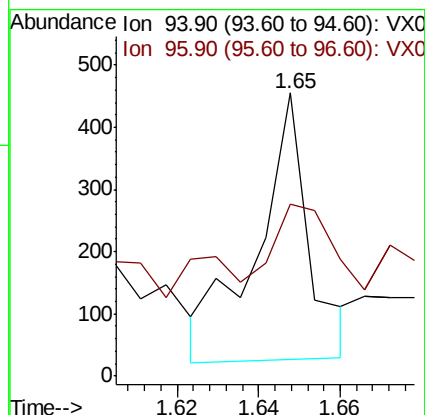
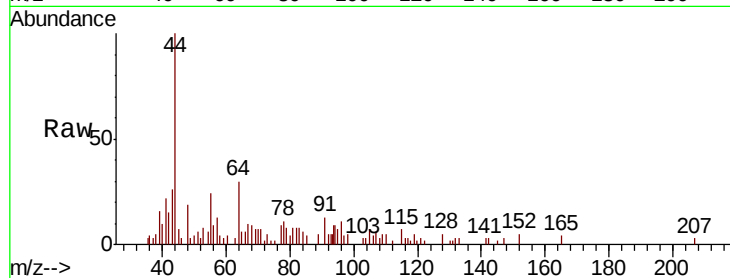
BP-DUP02-20190605

Tot Ion: 94 Resp: 382

Ion Ratio Lower Upper

94 100

96 24.5 76.2 114.4#



#6

Chloroethane

Concen: 0.284 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.08 min

Lab File: VX010131.D

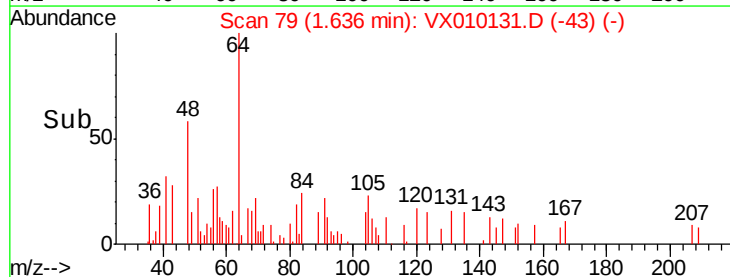
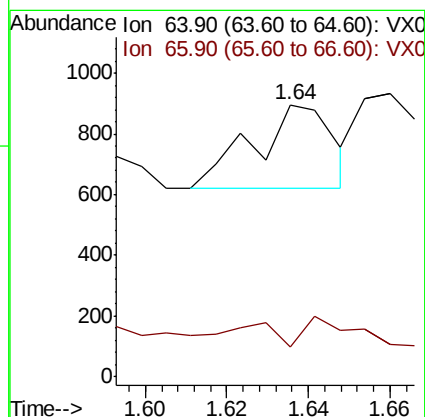
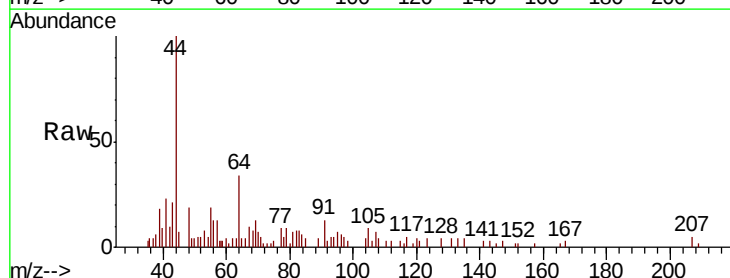
Acq: 08 Jun 2019 00:04

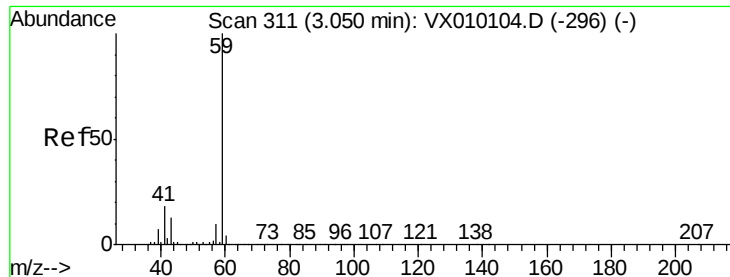
Tgt Ion: 64 Resp: 377

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



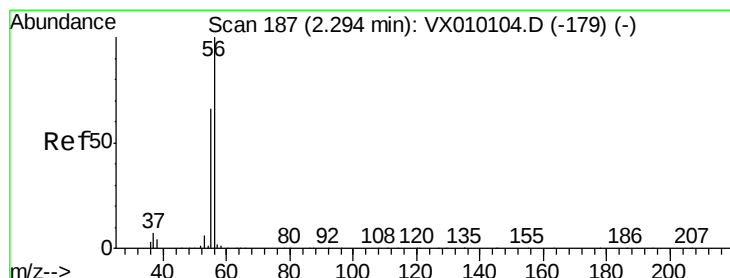
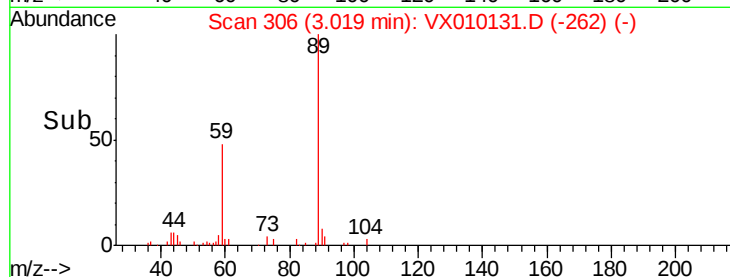
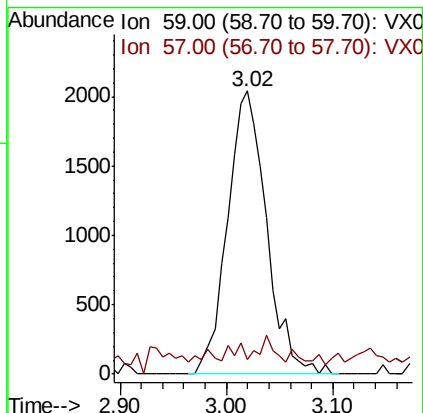
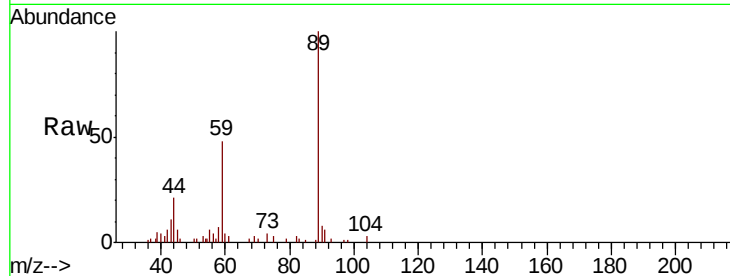


#11

Tert butyl alcohol
Concen: 7.135 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

Instrument :
MSVOA_X
ClientSampleId :
BP-DUP02-20190605

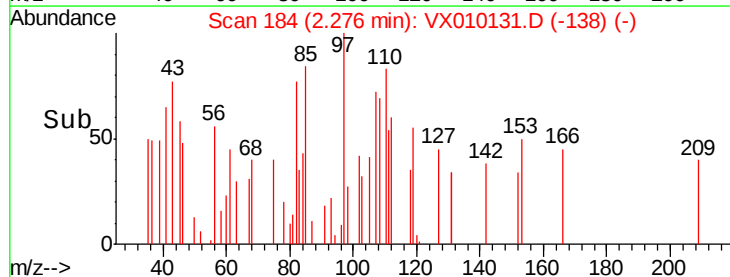
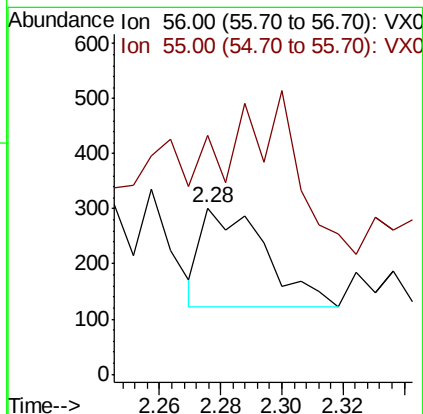
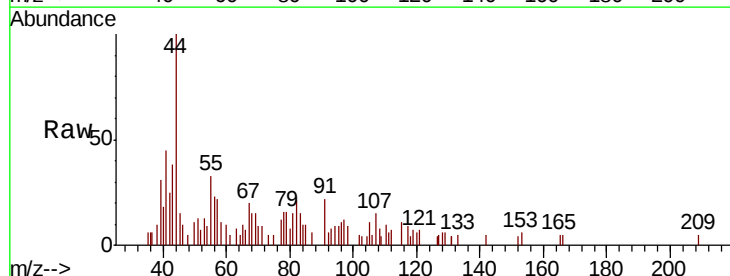
Tot Ion: 59 Resp: 5232
Ion Ratio Lower Upper
59 100
57 1.2 8.2 12.2#

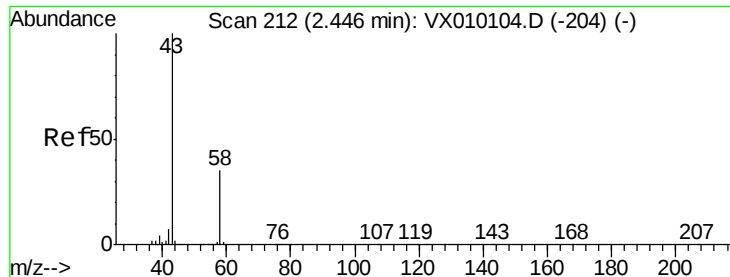


#13

Acrolein
Concen: 1.930 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 27.9 57.0 85.4#





#16

Acetone

Concen: 0.837 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA_X

ClientSampleId :

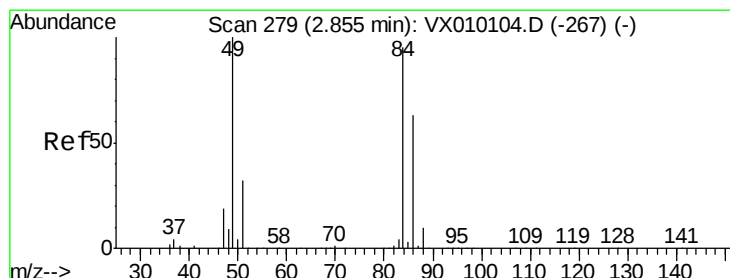
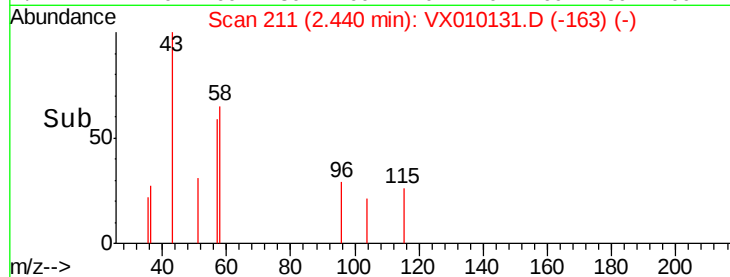
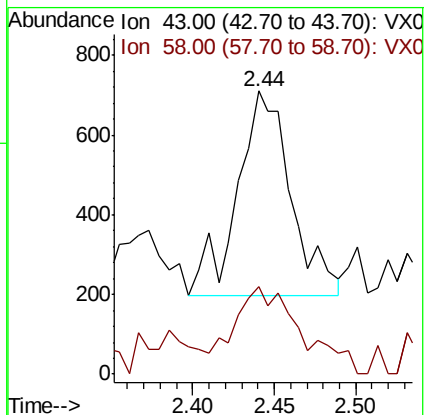
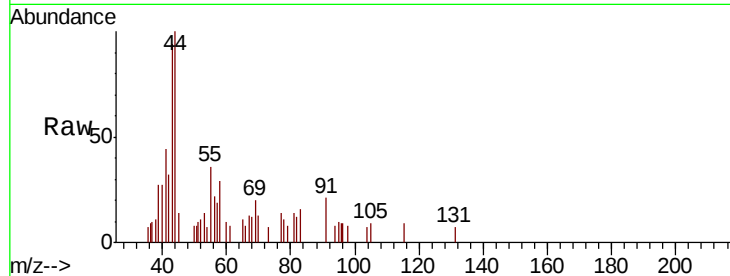
BP-DUP02-20190605

Tot Ion: 43 Resp: 1178

Ion Ratio Lower Upper

43 100

58 32.4 23.2 34.8



#20

Methylene Chloride

Concen: 0.277 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

Tgt Ion: 84 Resp: 857

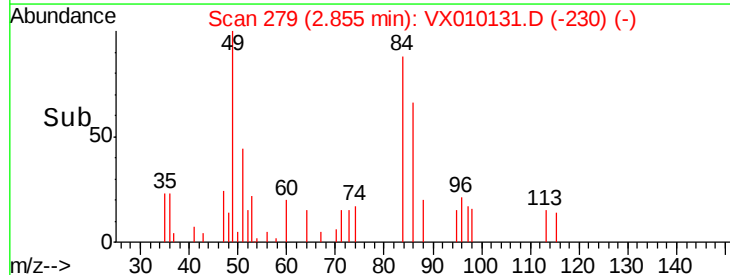
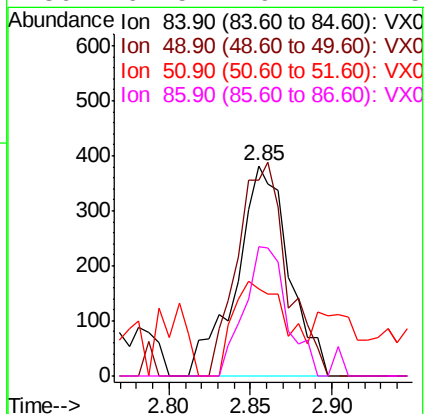
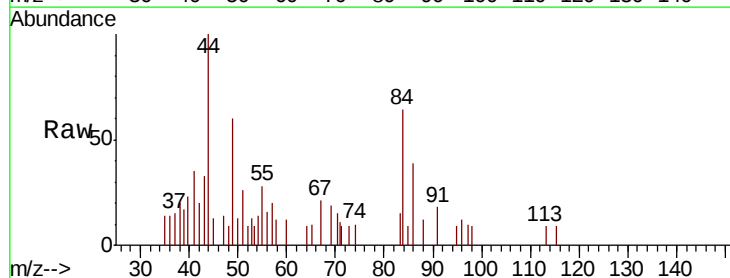
Ion Ratio Lower Upper

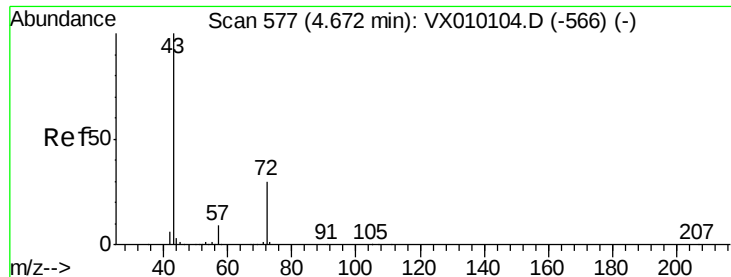
84 100

49 93.2 115.8 173.6#

51 20.9 34.4 51.6#

86 61.5 49.7 74.5





#25

2-Butanone

Concen: 0.279 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA_X

ClientSampleId :

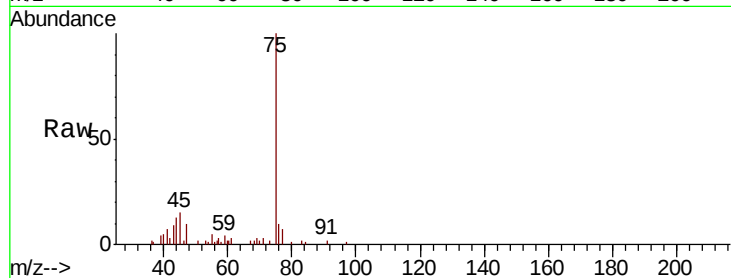
BP-DUP02-20190605

Tot Ion: 43 Resp: 585

Ion Ratio Lower Upper

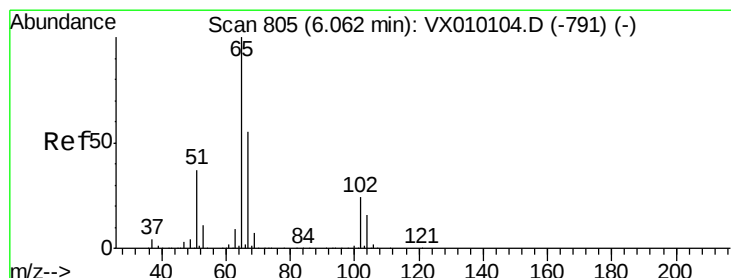
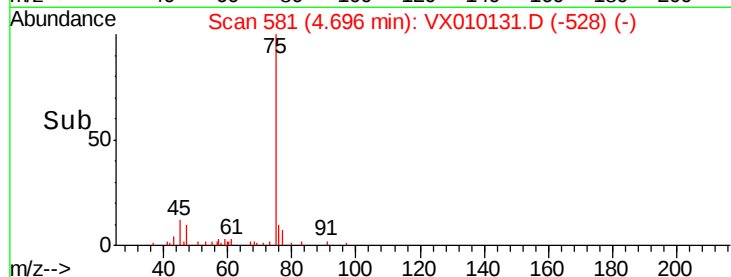
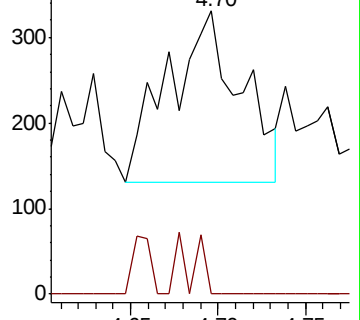
43 100

72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.608 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010131.D

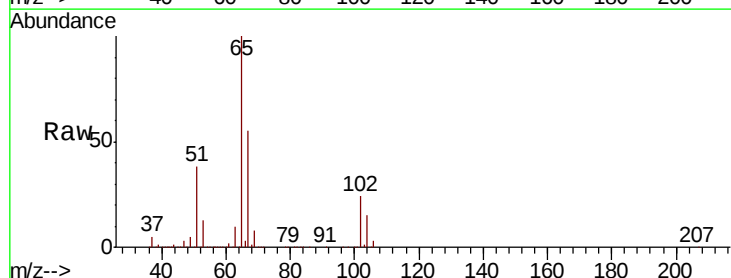
Acq: 08 Jun 2019 00:04

Tgt Ion: 65 Resp: 139509

Ion Ratio Lower Upper

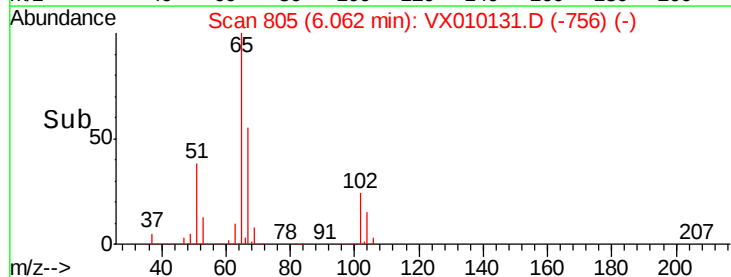
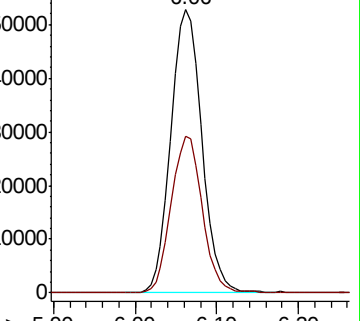
65 100

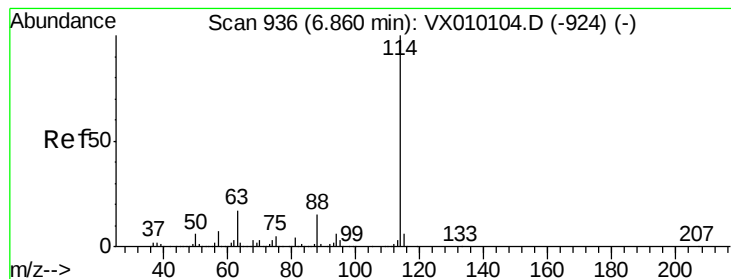
67 55.4 0.0 108.4



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: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

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BP-DUP02-20190605

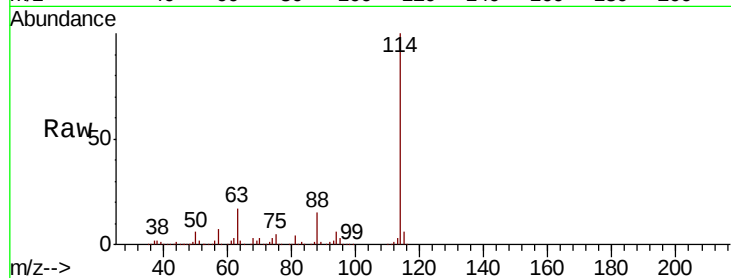
Tot Ion:114 Resp: 463992

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

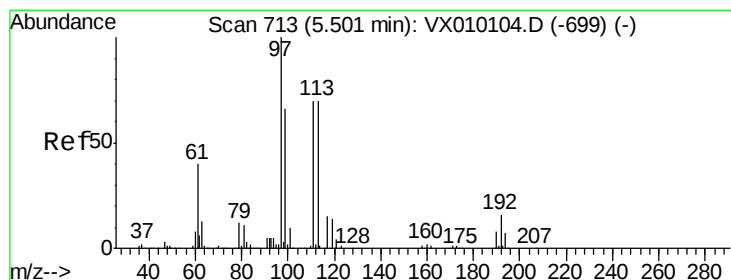
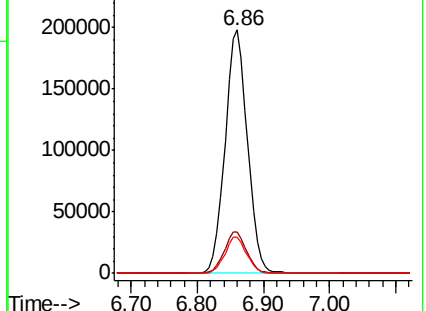
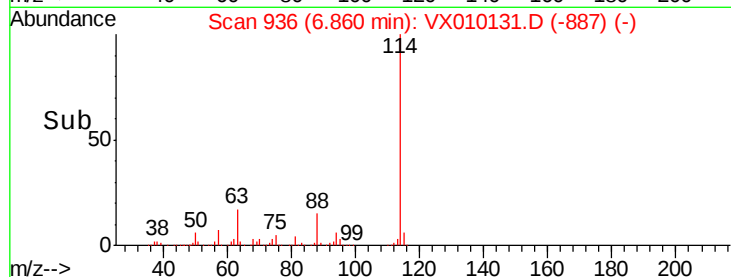
88 15.1 0.0 33.0



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: 49.507 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

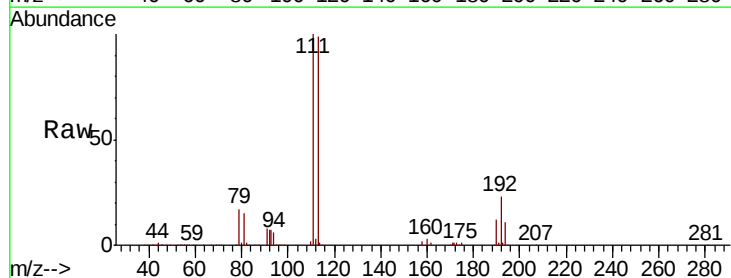
Tgt Ion:113 Resp: 141689

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

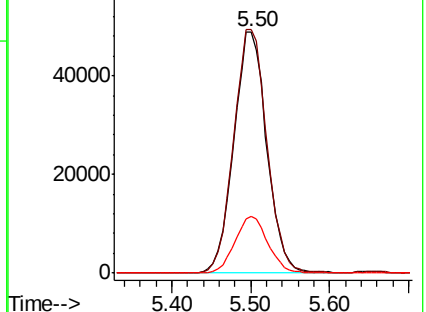
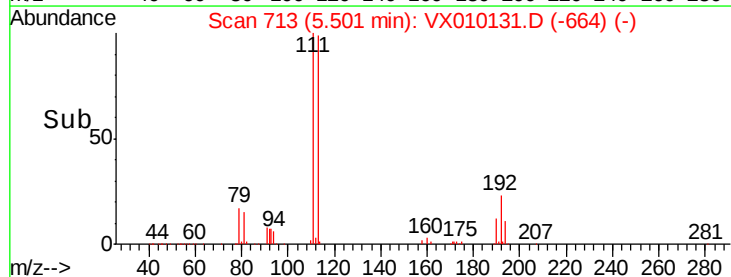
192 23.4 17.1 25.7

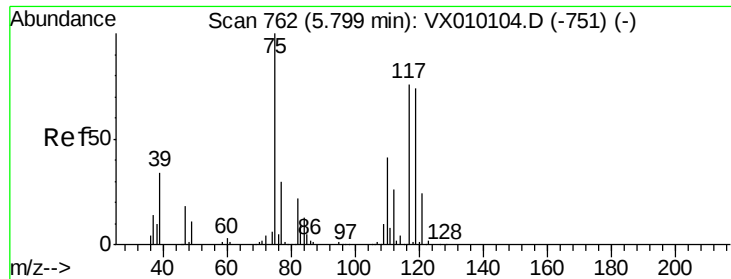


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA_X

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BP-DUP02-20190605

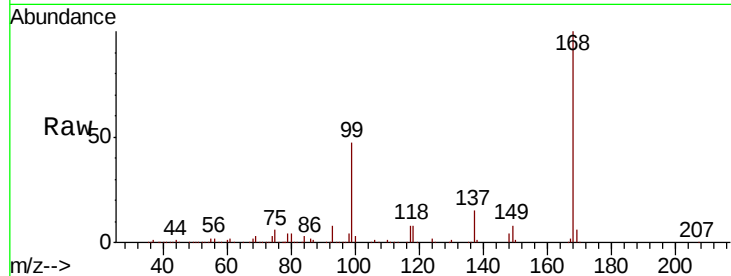
Tot Ion: 75 Resp: 17837

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.1#

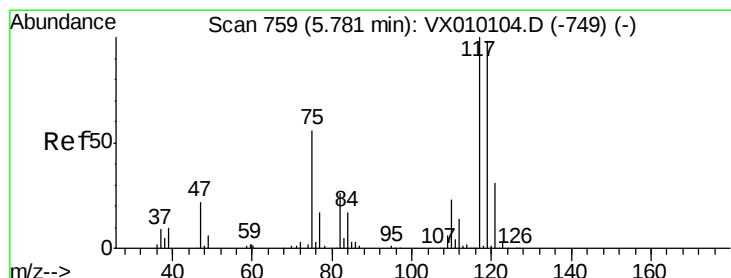
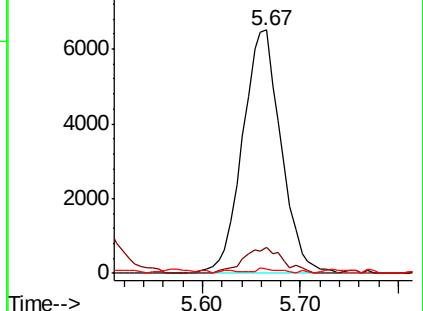
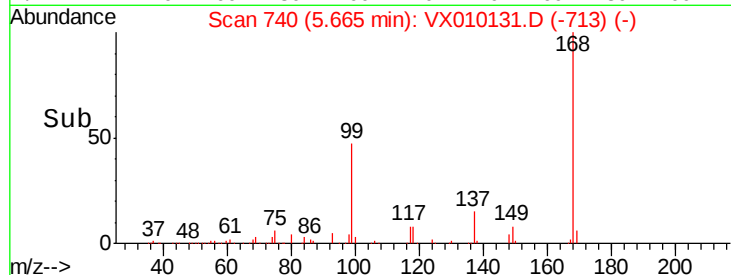
77 1.4 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.188 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

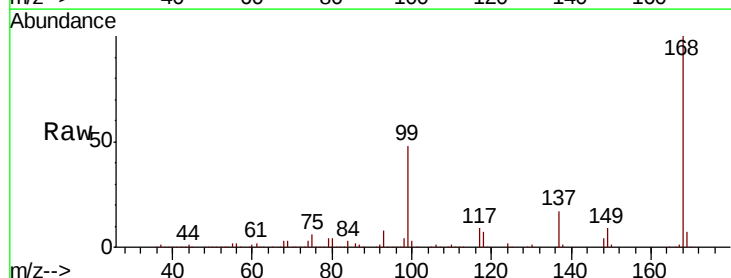
Tgt Ion: 117 Resp: 26512

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

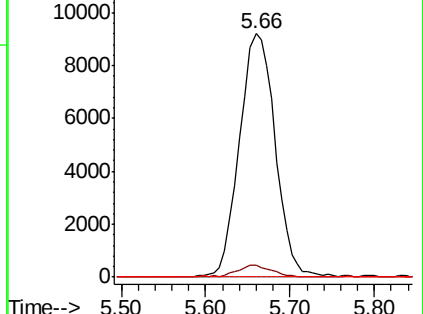
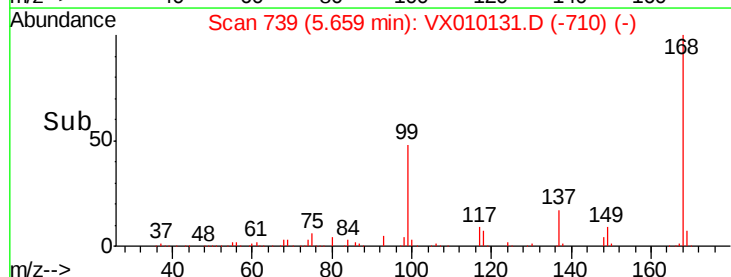
121 0.0 25.4 38.0#

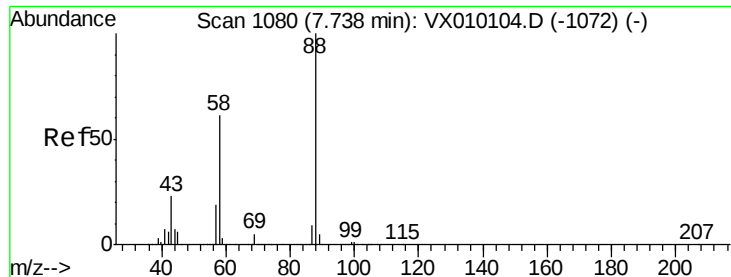


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

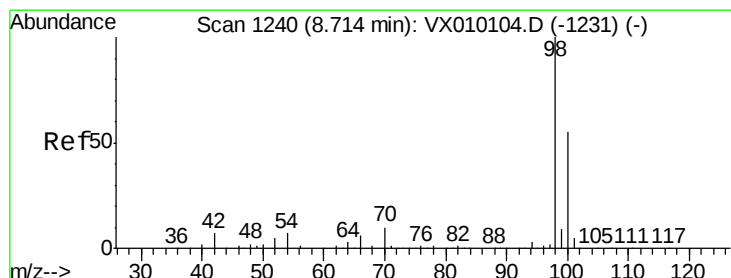
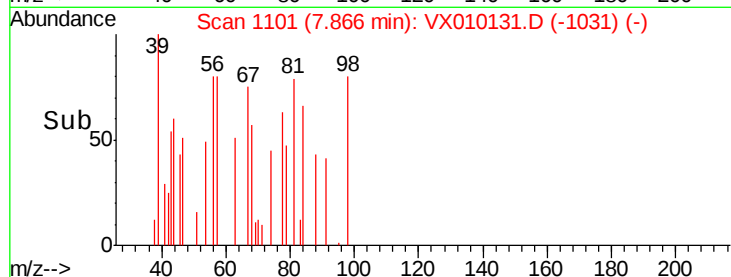
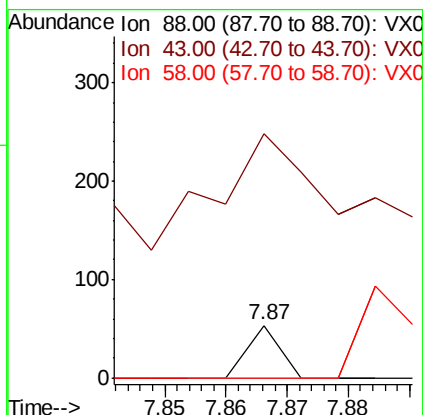
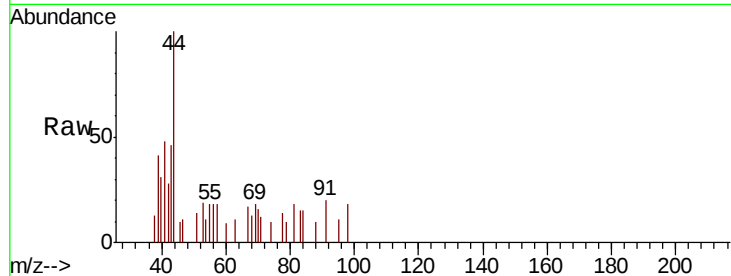




#49
1,4-Dioxane
Concen: 0.216 ug/l
RT: 7.87 min Scan# 1101
Delta R.T. 0.13 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

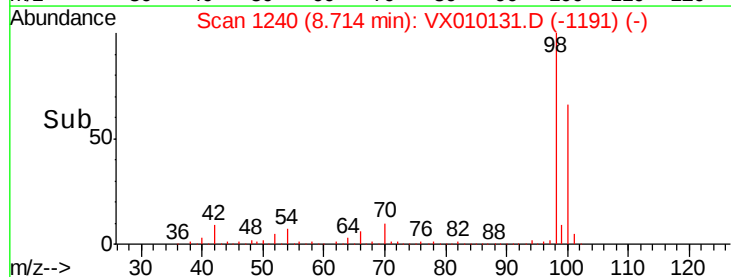
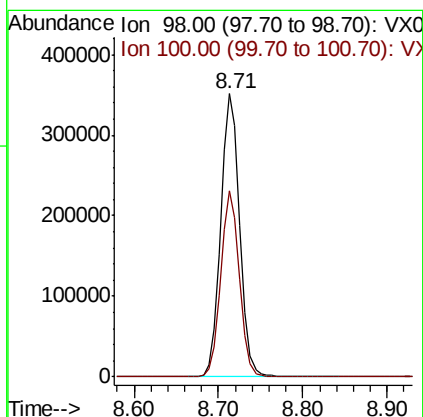
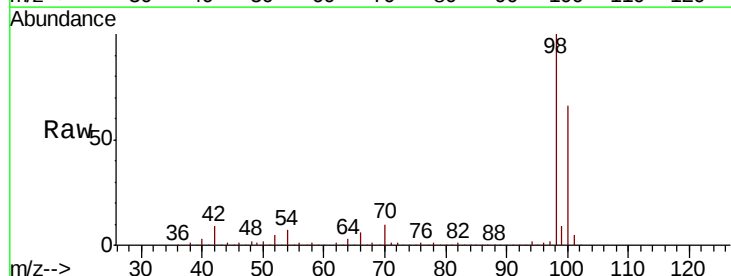
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP02-20190605

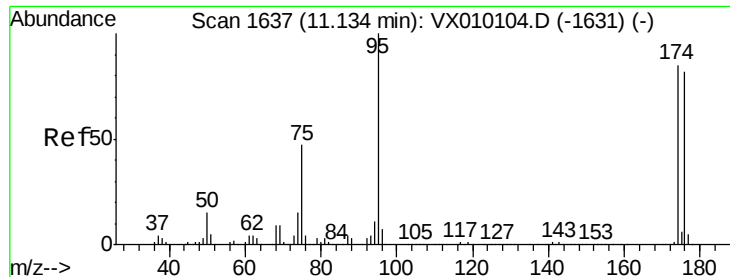
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 668.4 30.2 45.4#
58 0.0 64.0 96.0#



#50
Toluene-d8
Concen: 50.786 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

Tgt Ion: 98 Resp: 544753
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3

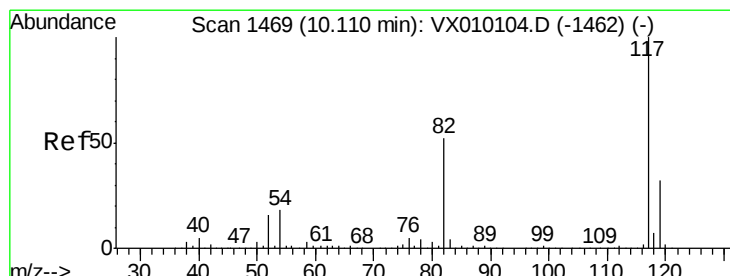
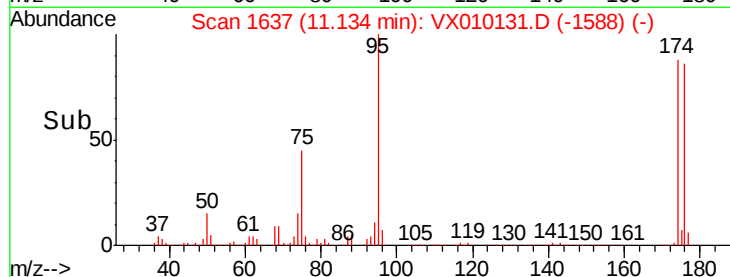
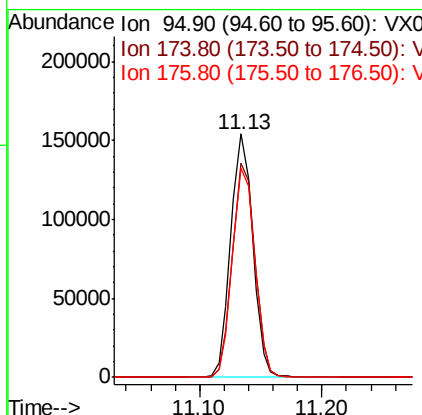
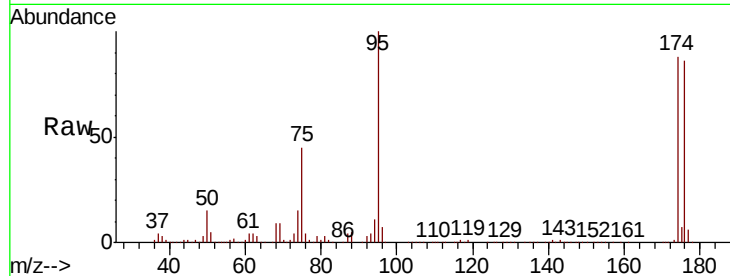




#62
4-Bromofluorobenzene
Concen: 47.950 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

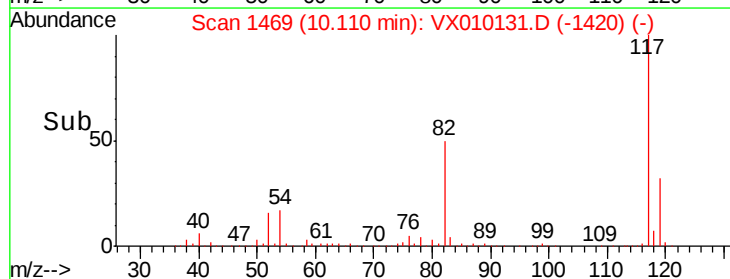
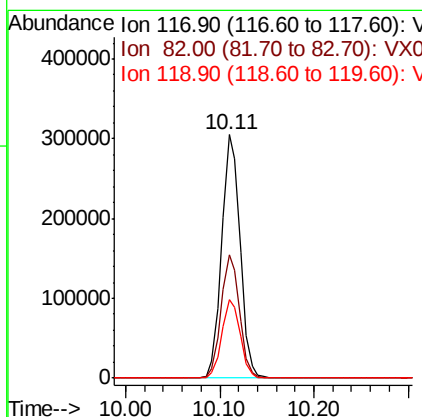
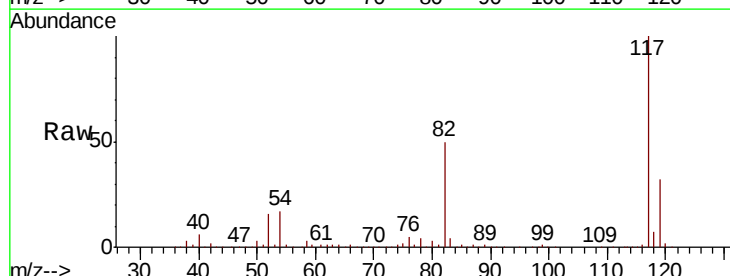
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP02-20190605

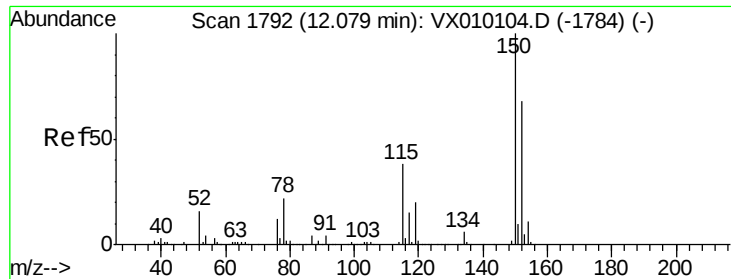
Tot Ion: 95 Resp: 192081
Ion Ratio Lower Upper
95 100
174 90.0 0.0 160.4
176 88.1 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

Tgt Ion: 117 Resp: 414434
Ion Ratio Lower Upper
117 100
82 50.4 49.2 73.8
119 32.2 25.2 37.8



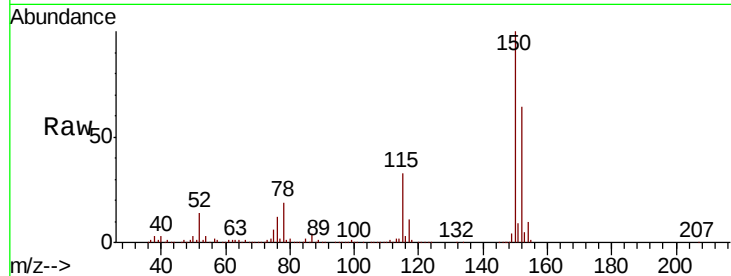


#72

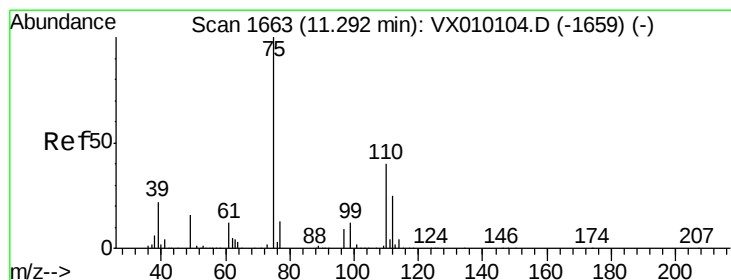
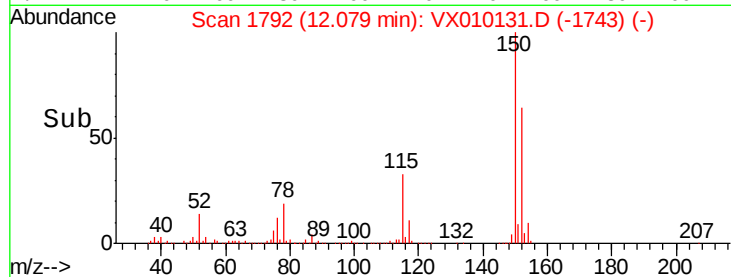
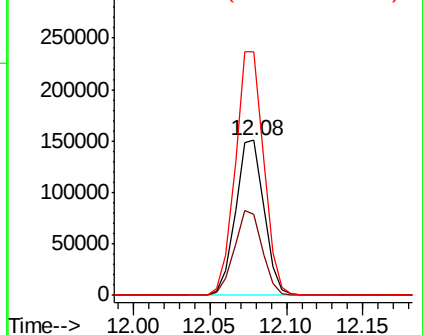
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

Instrument :
MSVOA_X
ClientSampleId :
BP-DUP02-20190605

Tot Ion:152 Resp: 193983
Ion Ratio Lower Upper
152 100
115 54.0 41.4 124.2
150 157.0 0.0 345.2



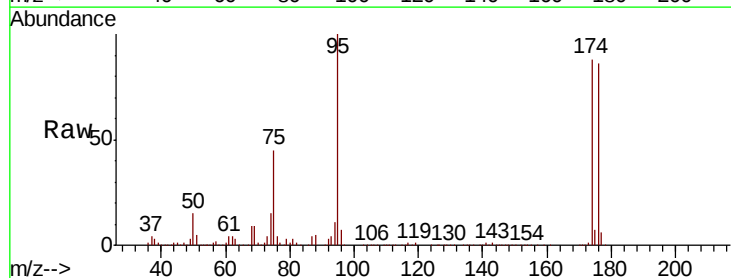
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



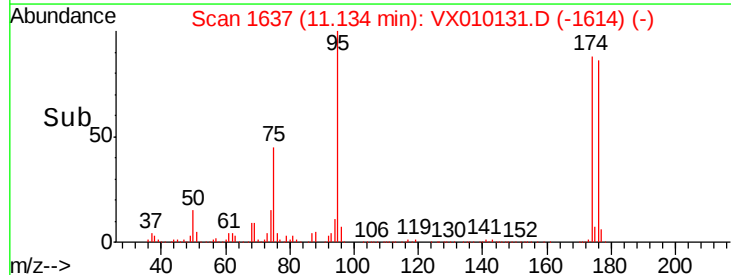
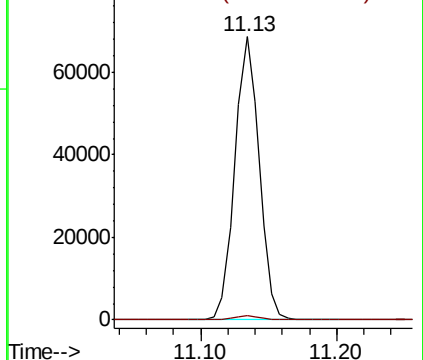
#76

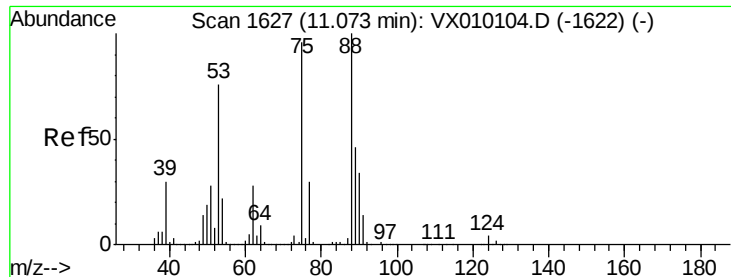
1,2,3-Trichloropropane
Concen: 22.036 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010131.D
Acq: 08 Jun 2019 00:04

Tgt Ion: 75 Resp: 85501
Ion Ratio Lower Upper
75 100
77 1.5 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.687 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010131.D

Acq: 08 Jun 2019 00:04

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP02-20190605

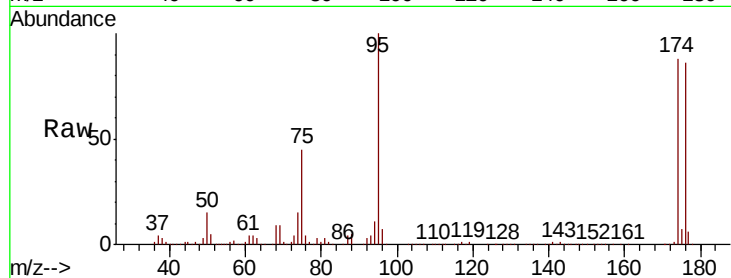
Tot Ion: 75 Resp: 85501

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

