

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010172.D
 Acq On : 10 Jun 2019 13:02
 Operator : JC/SP
 Sample : K3221-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP02-20190605

Quant Time: Jun 11 02:36:02 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	273751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	414566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	374080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172887	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	122273	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	5.50	113	128181	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	8.71	98	484693	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.13	95	167231	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

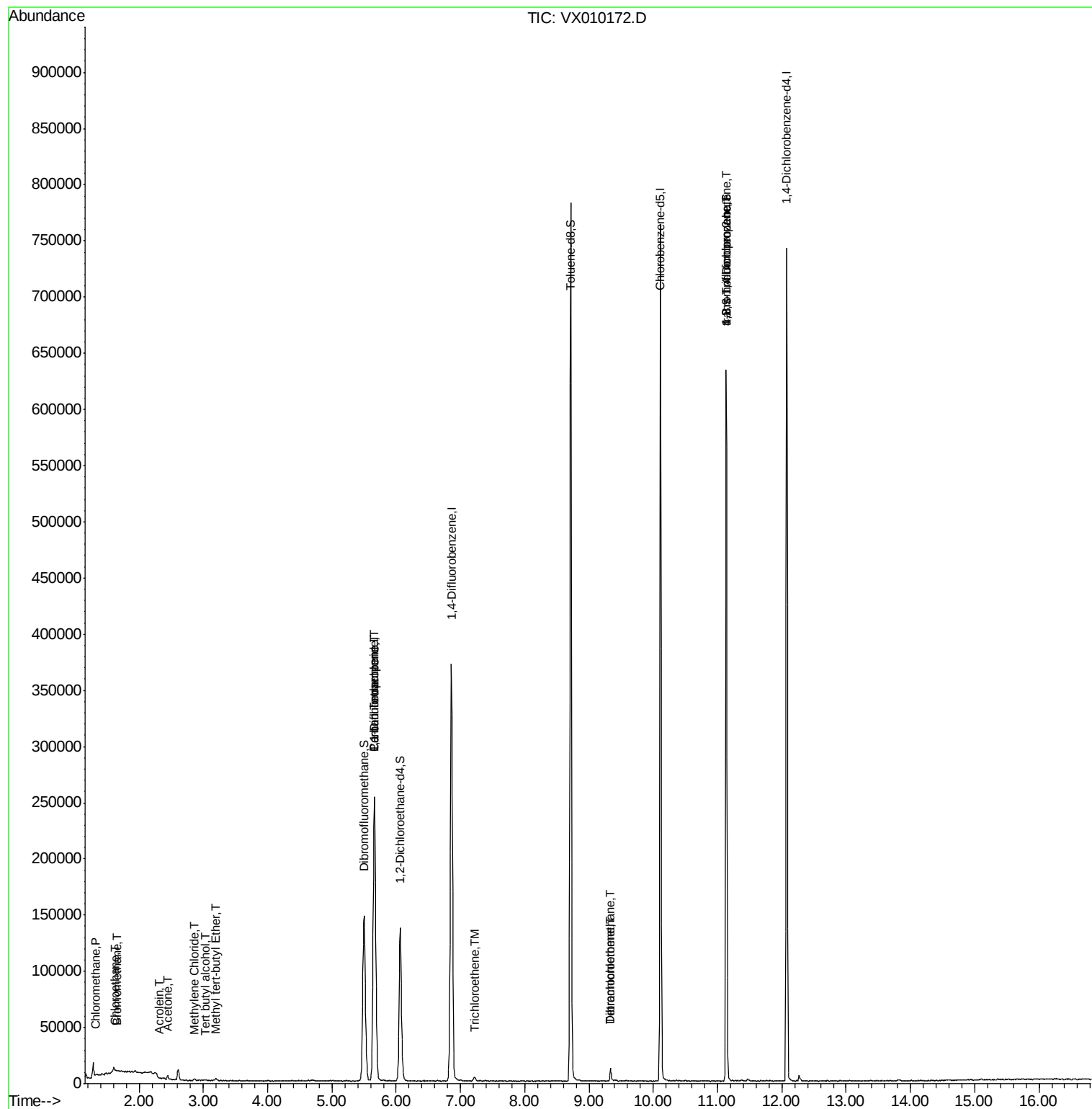
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	830	0.332	ug/l	99
5) Bromomethane	1.65	94	275	0.310	ug/l #	77
6) Chloroethane	1.63	64	544	0.459	ug/l #	87
11) Tert butyl alcohol	3.03	59	610	0.932	ug/l #	23
13) Acrolein	2.32	56	52	0.436	ug/l #	63
16) Acetone	2.45	43	3292	2.619	ug/l #	77
19) Methyl tert-butyl Ether	3.20	73	2487	0.315	ug/l #	90
20) Methylene Chloride	2.86	84	584	0.212	ug/l #	54
36) 1,1-Dichloropropene	5.66	75	16217	4.795	ug/l #	52
38) Carbon Tetrachloride	5.67	117	22817	5.960	ug/l #	15
44) Trichloroethene	7.21	130	1509	0.479	ug/l	86
60) Dibromochloromethane	9.33	129	2043	0.613	ug/l #	11
64) Tetrachloroethene	9.34	164	2126	0.765	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	76384	22.089	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	76384	48.803	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: VX010172.D

Acq: 10 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

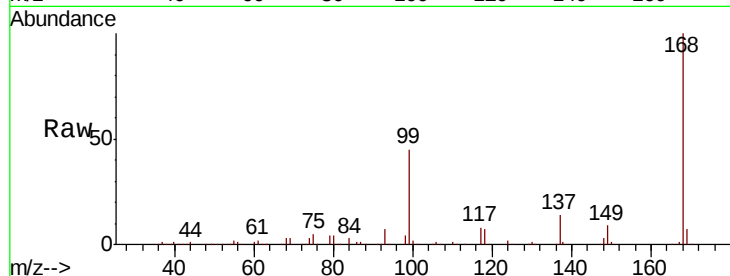
BP-DUP02-20190605

Tot Ion:168 Resp: 273751

Ion Ratio Lower Upper

168 100

99 44.7 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

100000

80000

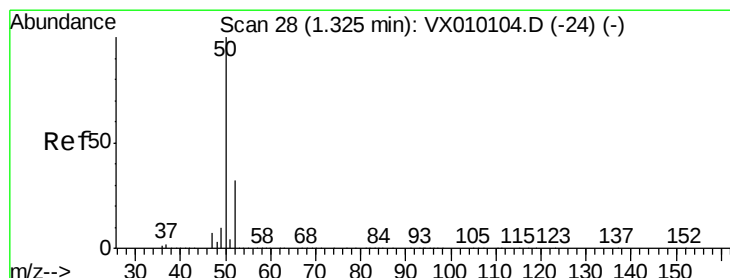
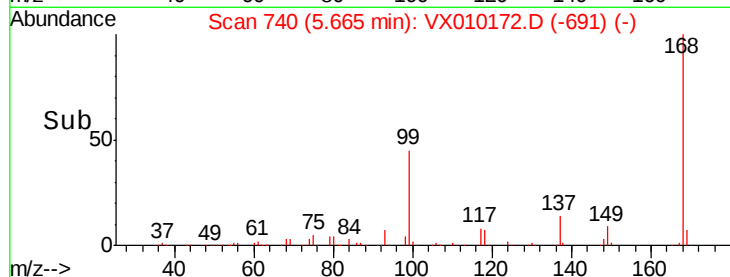
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.332 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010172.D

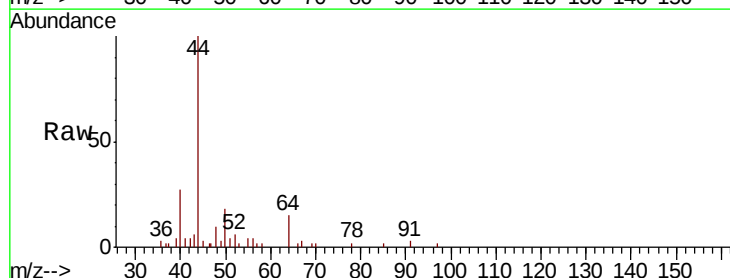
Acq: 10 Jun 2019 13:02

Tgt Ion: 50 Resp: 830

Ion Ratio Lower Upper

50 100

52 32.0 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

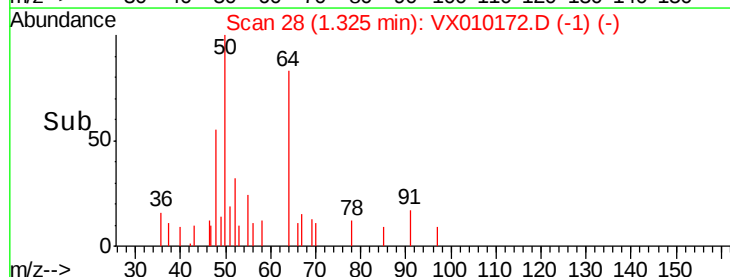
600

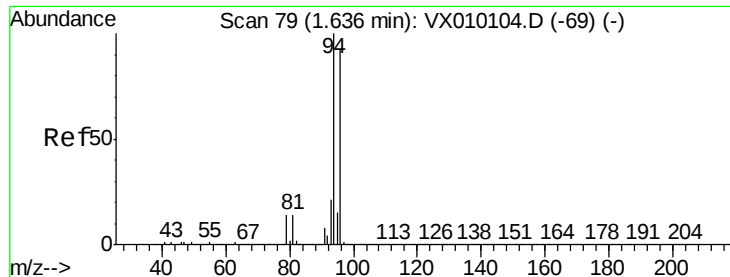
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.310 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

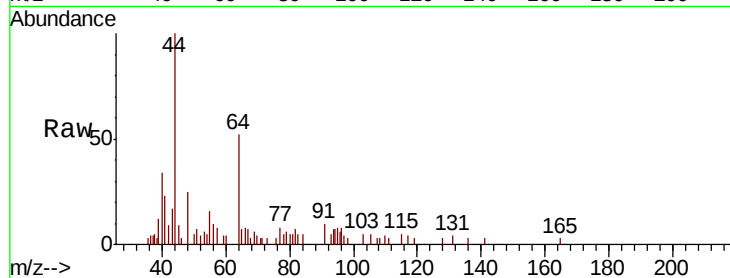
BP-DUP02-20190605

Tot Ion: 94 Resp: 275

Ion Ratio Lower Upper

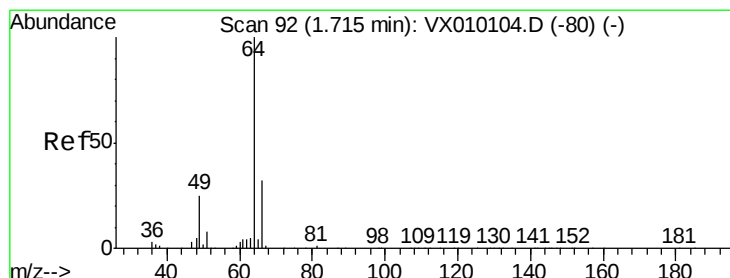
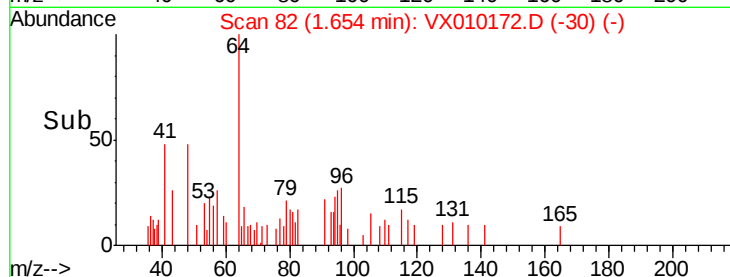
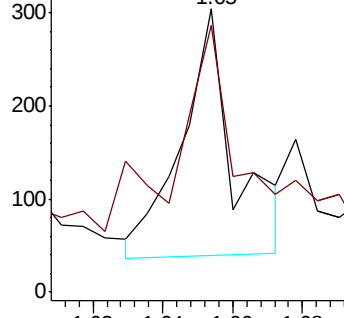
94 100

96 73.3 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.459 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.08 min

Lab File: VX010172.D

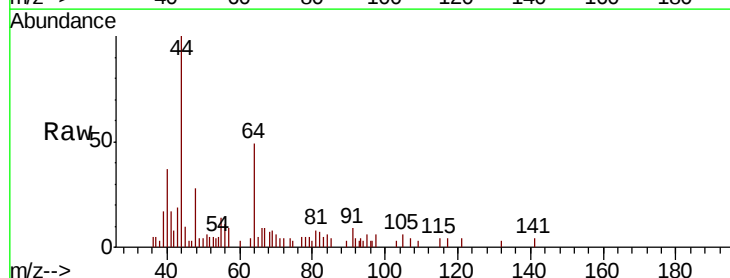
Acq: 10 Jun 2019 13:02

Tgt Ion: 64 Resp: 544

Ion Ratio Lower Upper

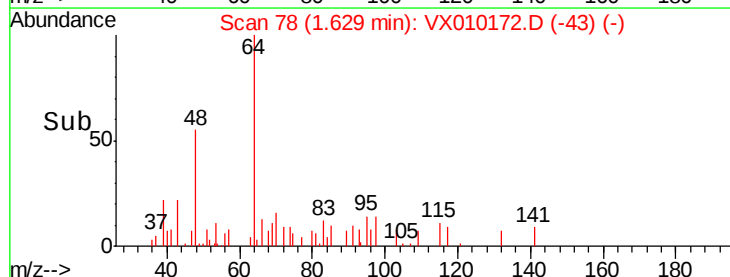
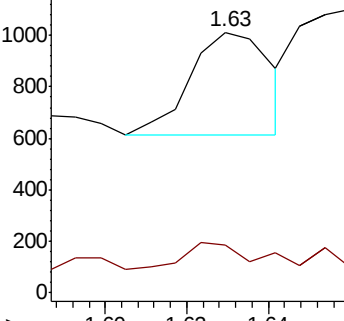
64 100

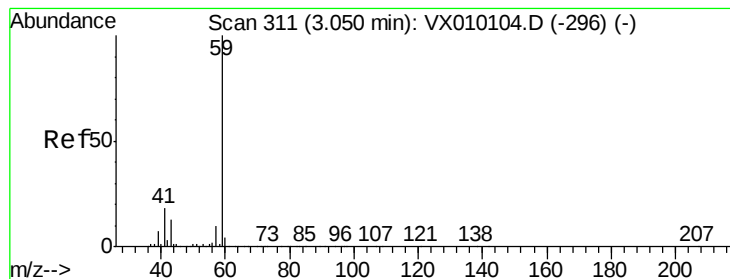
66 24.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



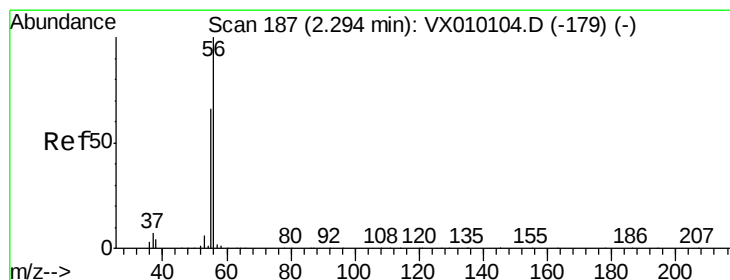
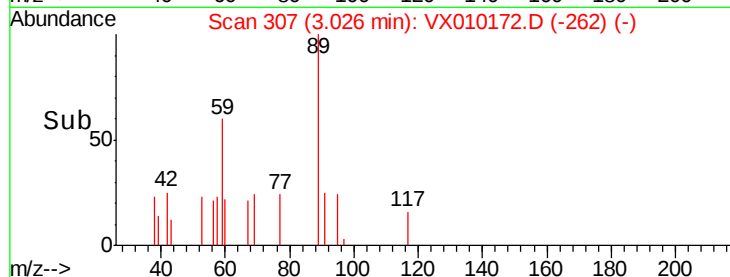
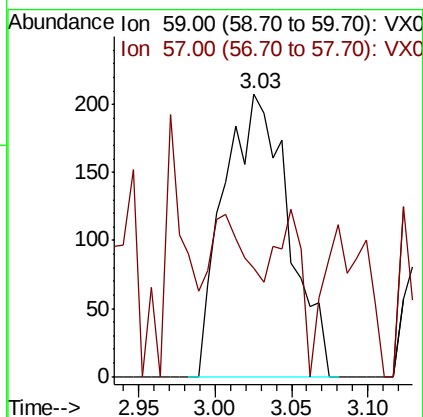
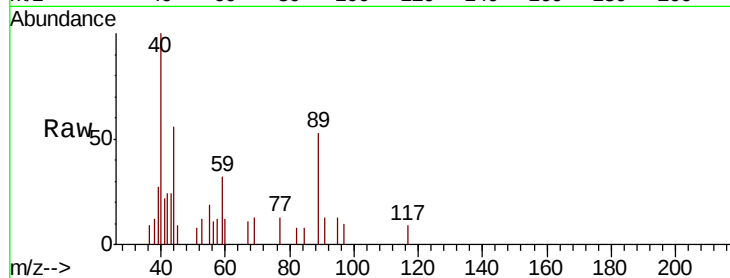


#11

Tert butyl alcohol
 Concen: 0.932 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010172.D
 Acq: 10 Jun 2019 13:02

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP02-20190605

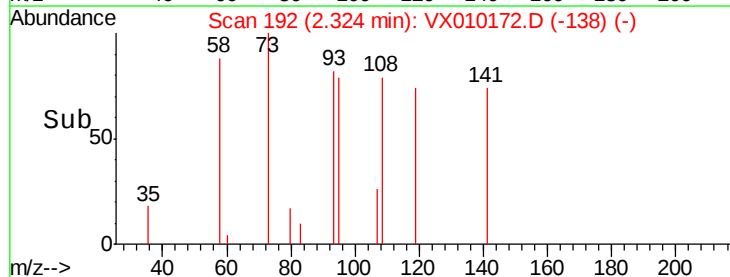
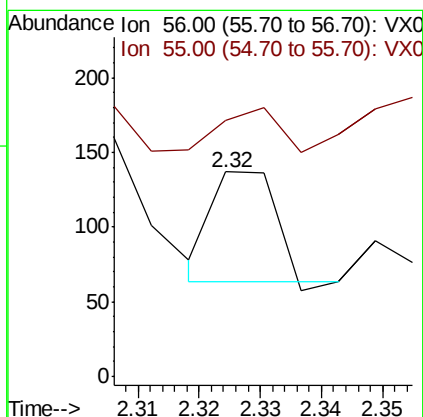
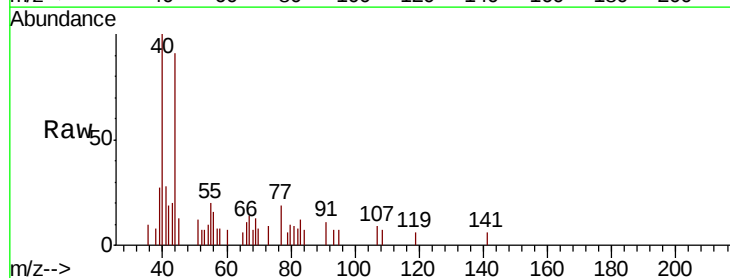
Tot Ion: 59 Resp: 610
 Ion Ratio Lower Upper
 59 100
 57 38.9 8.2 12.2#

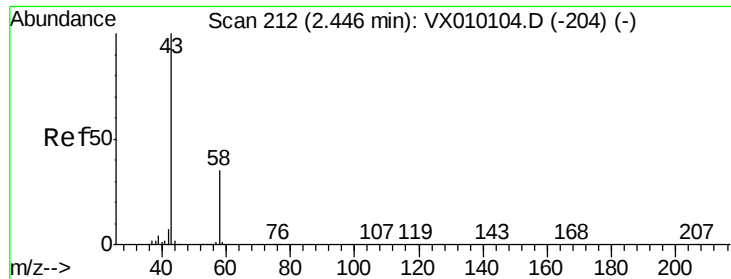


#13

Acrolein
 Concen: 0.436 ug/l
 RT: 2.32 min Scan# 192
 Delta R.T. 0.03 min
 Lab File: VX010172.D
 Acq: 10 Jun 2019 13:02

Tgt Ion: 56 Resp: 52
 Ion Ratio Lower Upper
 56 100
 55 40.4 57.0 85.4#





#16

Acetone

Concen: 2.619 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

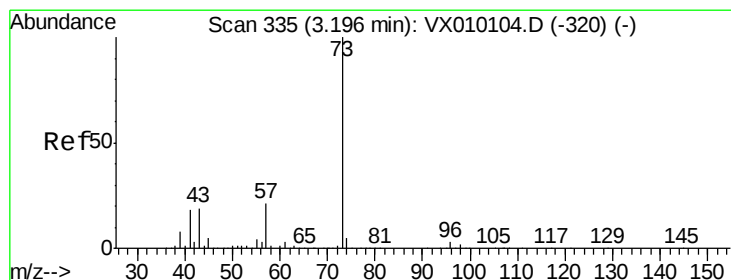
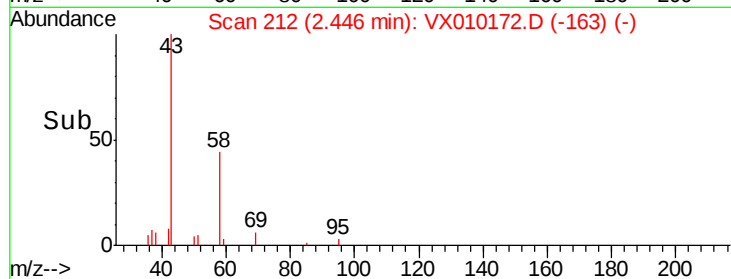
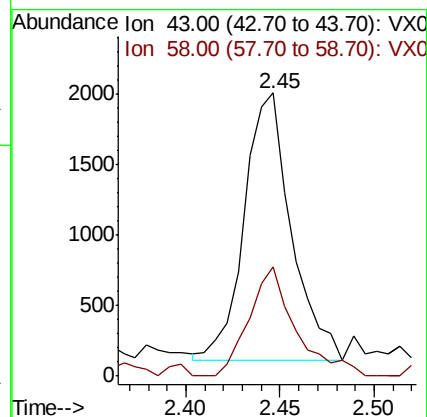
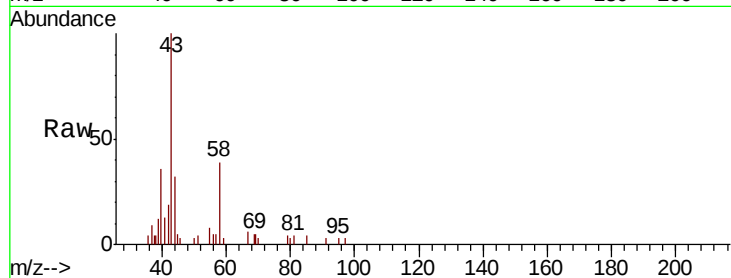
BP-DUP02-20190605

Tot Ion: 43 Resp: 3292

Ion Ratio Lower Upper

43 100

58 41.1 23.2 34.8#



#19

Methyl tert-butyl Ether

Concen: 0.315 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX010172.D

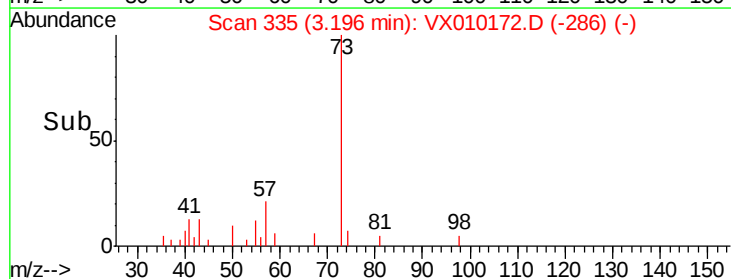
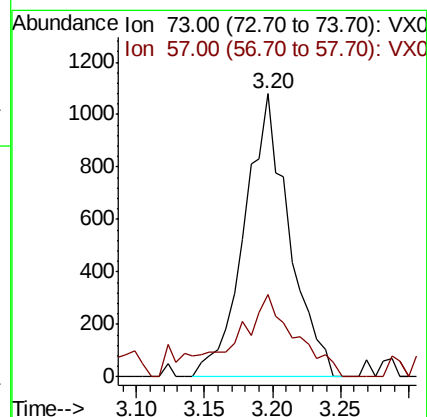
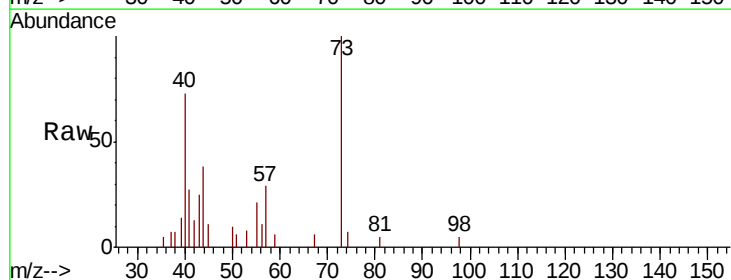
Acq: 10 Jun 2019 13:02

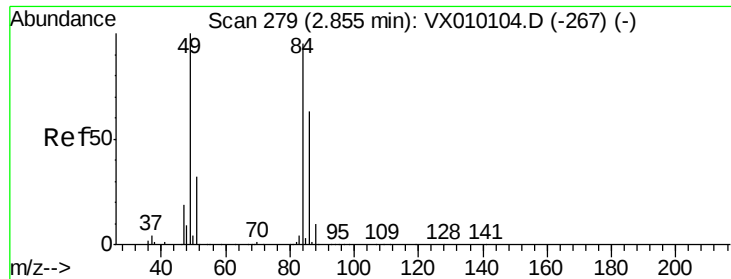
Tgt Ion: 73 Resp: 2487

Ion Ratio Lower Upper

73 100

57 29.2 19.4 29.2#

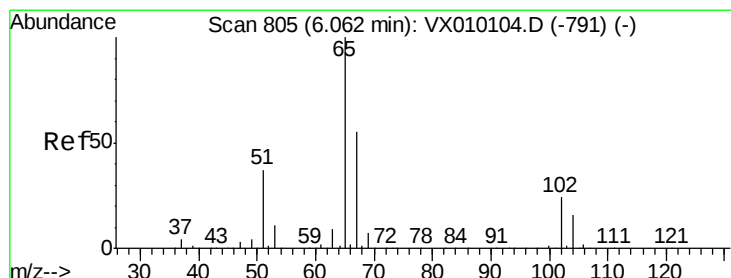
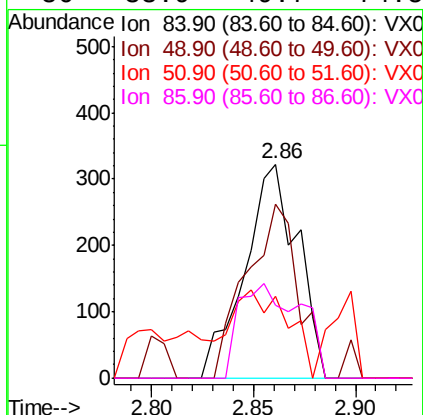
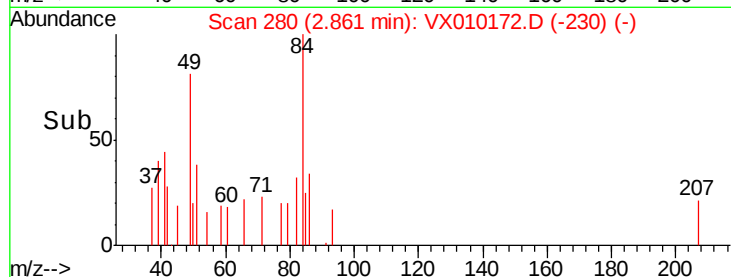
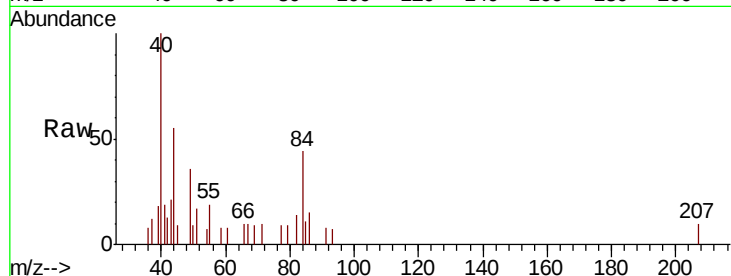




#20
Methvlene Chloride
Concen: 0.212 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010172.D
Acq: 10 Jun 2019 13:02

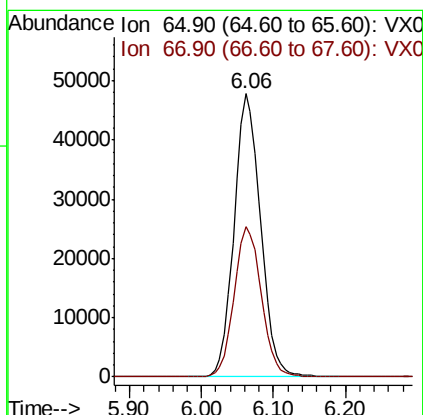
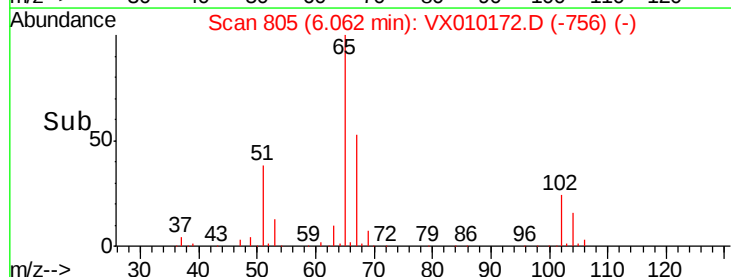
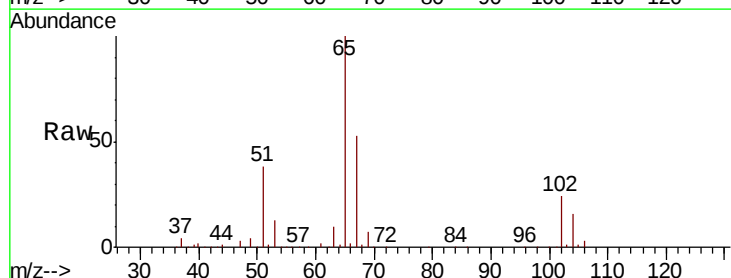
Instrument :
MSVOA_X
ClientSampleId :
BP-DUP02-20190605

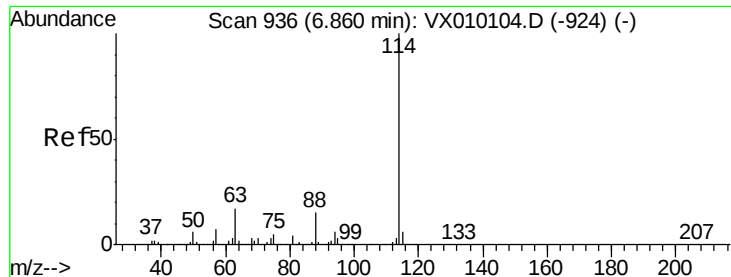
Tot Ion: 84 Resp: 584
Ion Ratio Lower Upper
84 100
49 81.4 115.8 173.6#
51 16.1 34.4 51.6#
86 33.9 49.7 74.5#



#33
1,2-Dichloroethane-d4
Concen: 45.759 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010172.D
Acq: 10 Jun 2019 13:02

Tgt Ion: 65 Resp: 122273
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP02-20190605

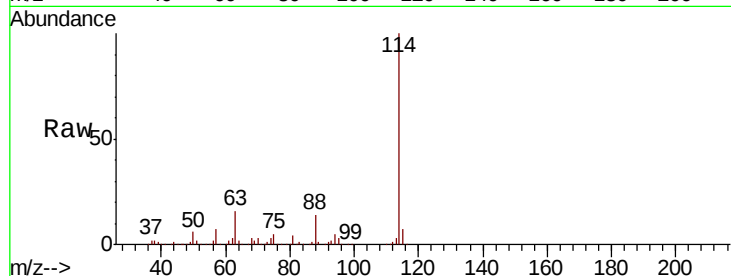
Tot Ion:114 Resp: 414566

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

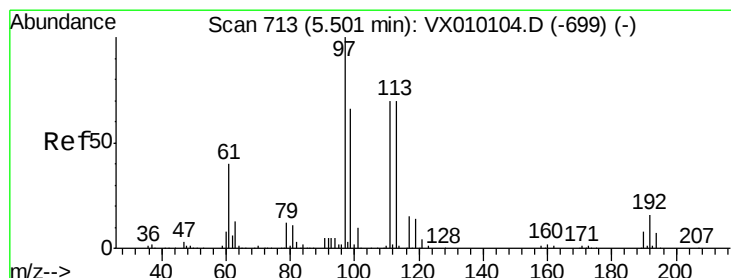
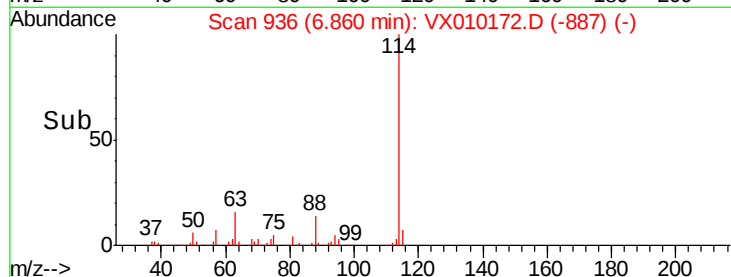
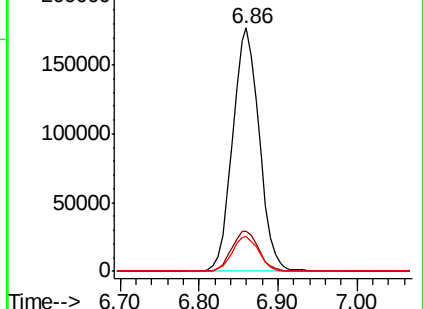
88 14.3 0.0 33.0



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: 50.127 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

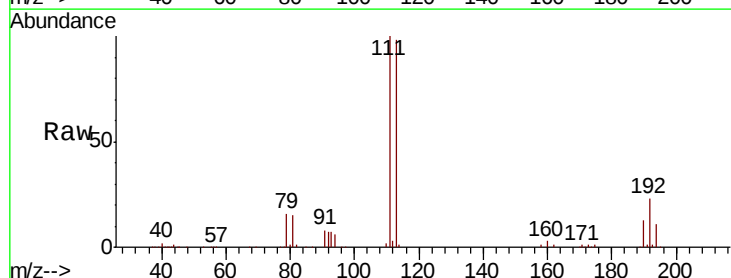
Tgt Ion:113 Resp: 128181

Ion Ratio Lower Upper

113 100

111 100.9 82.2 123.2

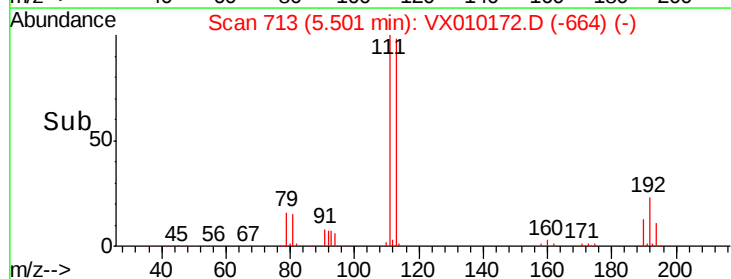
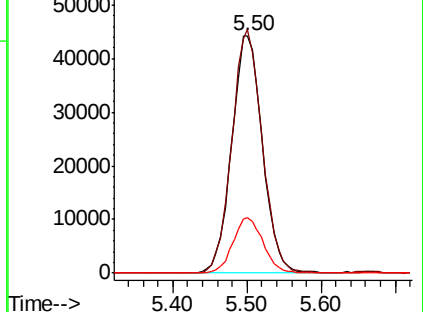
192 23.0 17.1 25.7

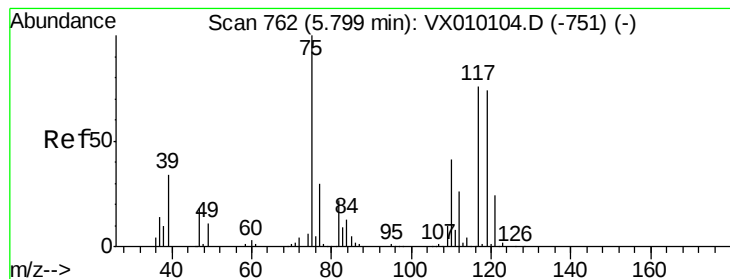


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.795 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

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BP-DUP02-20190605

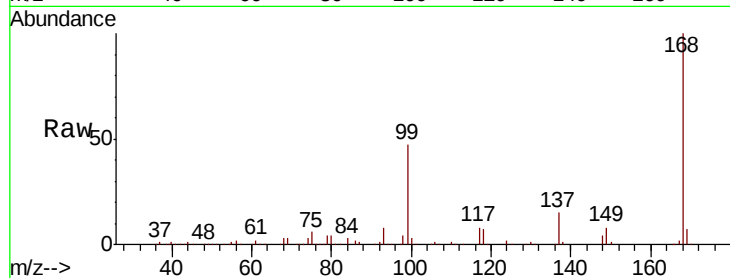
Tot Ion: 75 Resp: 16217

Ion Ratio Lower Upper

75 100

110 10.0 16.7 50.1#

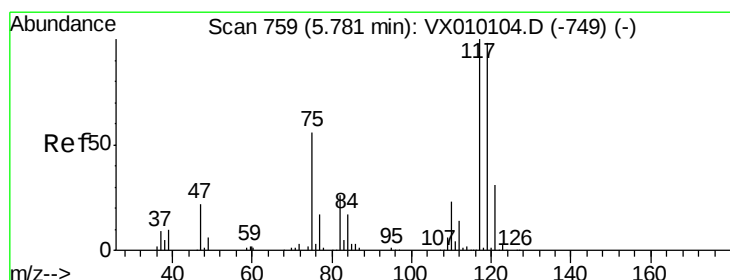
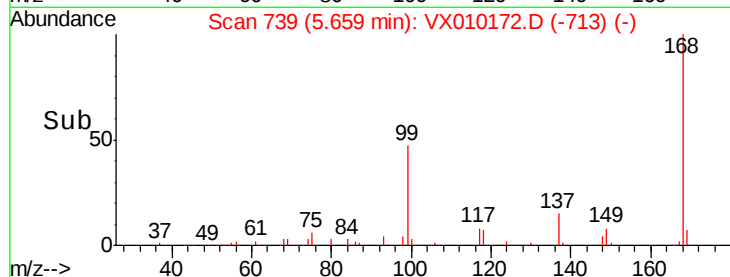
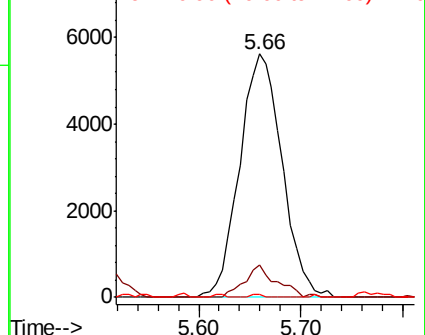
77 0.3 25.0 37.4#



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: 5.960 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

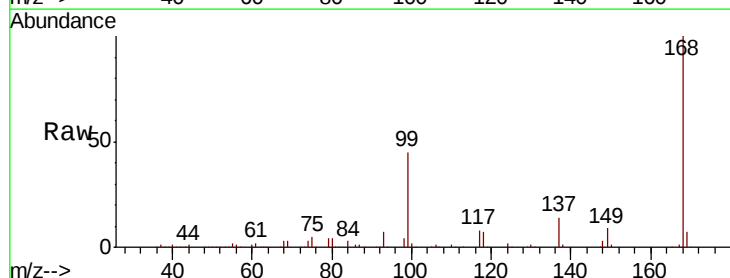
Tgt Ion: 117 Resp: 22817

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

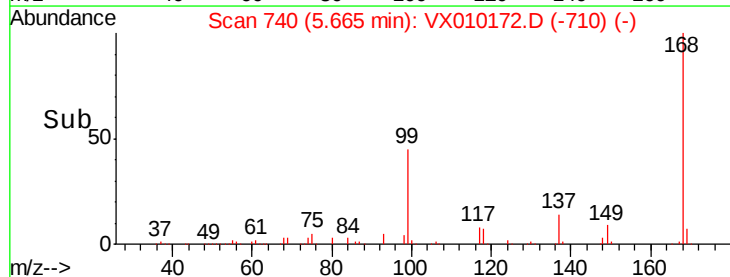
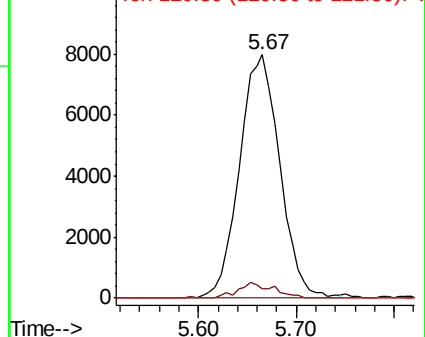
121 0.0 25.4 38.0#

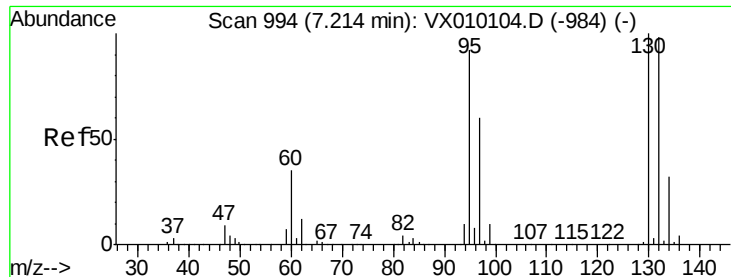


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

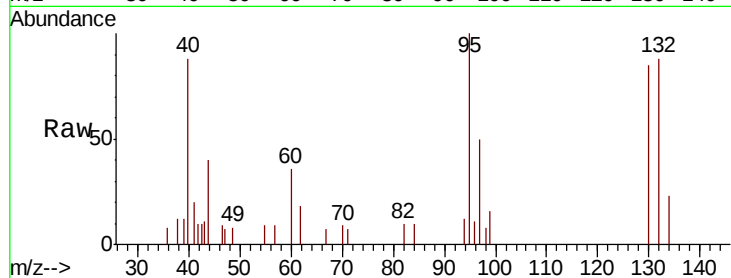




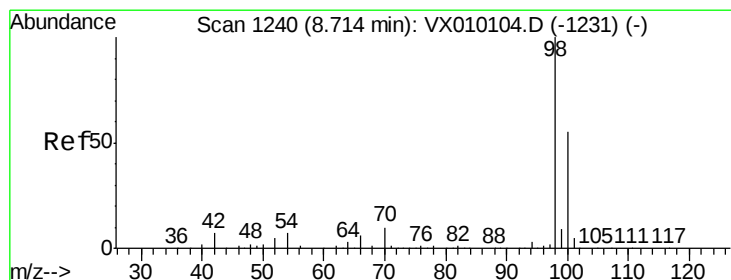
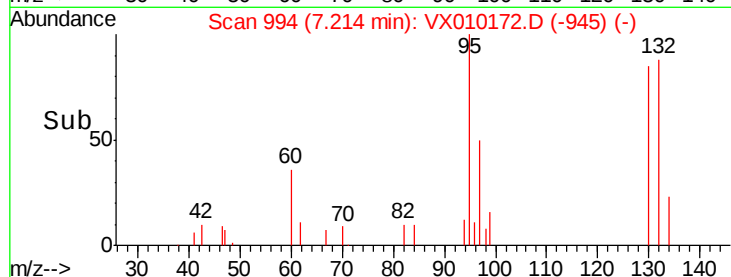
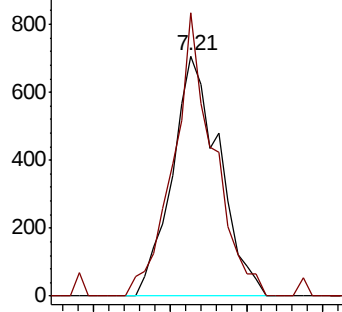
#44
 Trichloroethene
 Concen: 0.479 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010172.D
 Acq: 10 Jun 2019 13:02

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-DUP02-20190605

Tot Ion:130 Resp: 1509
 Ion Ratio Lower Upper
 130 100
 95 117.8 0.0 207.4

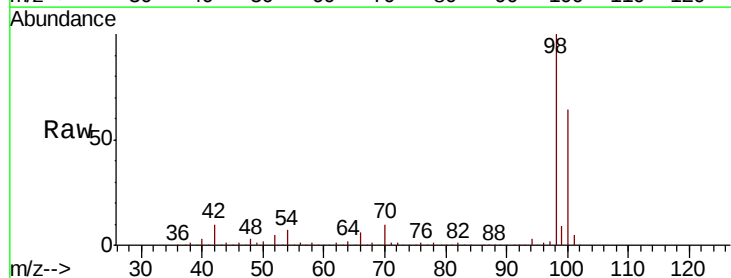


Abundance Ion 129.80 (129.50 to 130.50): VX010104.D (-984) (-)
 Ion 94.90 (94.60 to 95.60): VX010104.D (-984) (-)

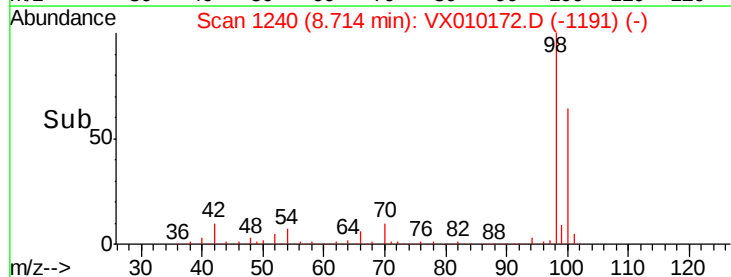
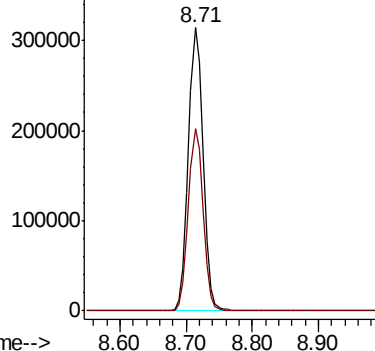


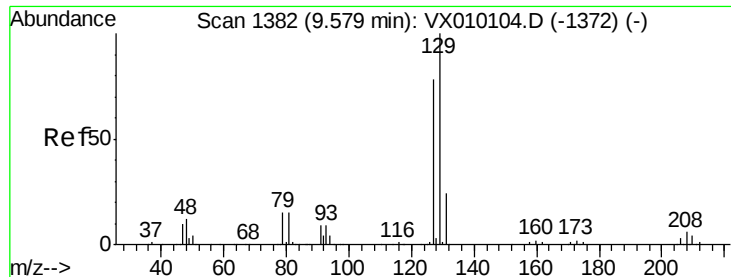
#50
 Toluene-d8
 Concen: 50.574 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010172.D
 Acq: 10 Jun 2019 13:02

Tgt Ion: 98 Resp: 484693
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX010104.D (-1231) (-)
 Ion 100.00 (99.70 to 100.70): VX010104.D (-1231) (-)





#60

Dibromochloromethane

Concen: 0.613 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

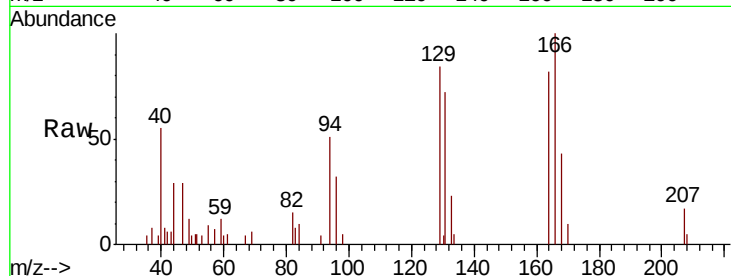
BP-DUP02-20190605

Tot Ion:129 Resp: 2043

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

1500

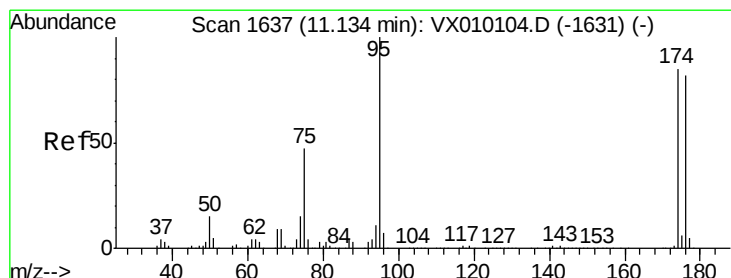
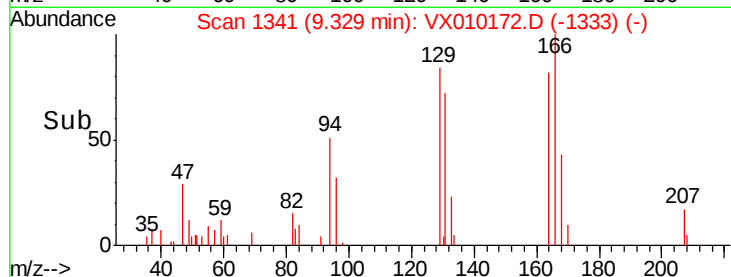
1000

500

0

Time-->

9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 46.724 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

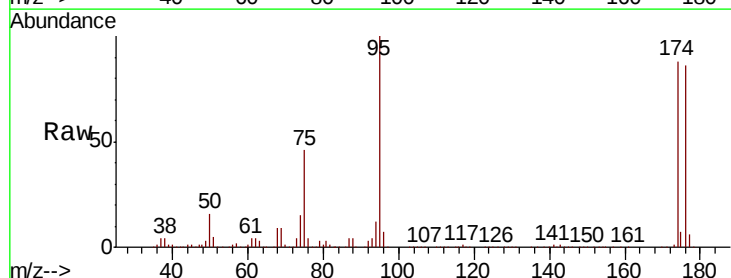
Tgt Ion: 95 Resp: 167231

Ion Ratio Lower Upper

95 100

174 93.0 0.0 160.4

176 90.6 0.0 154.6



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

150000

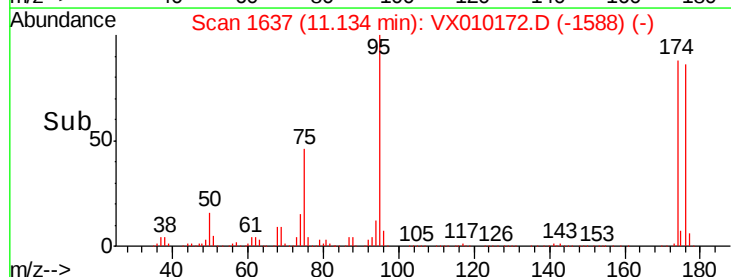
100000

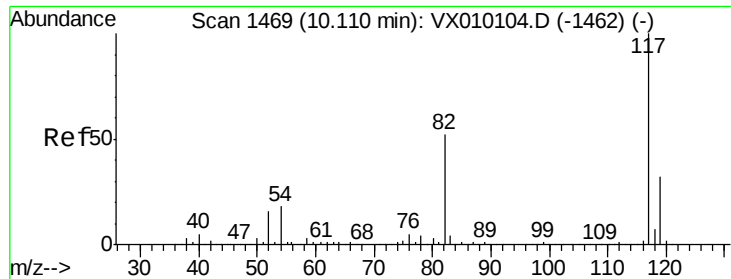
50000

0

Time-->

11.10 11.20

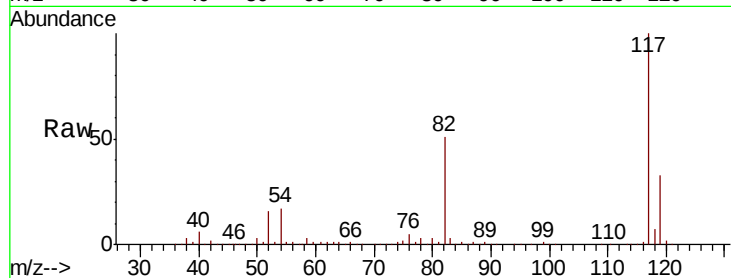




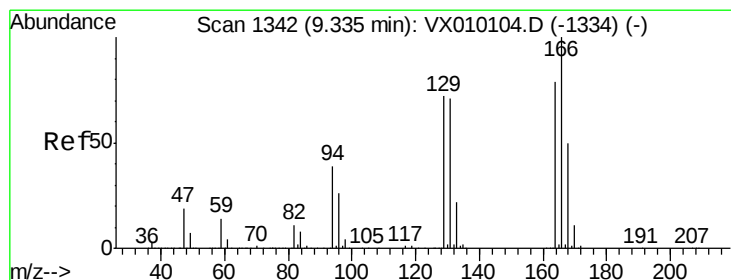
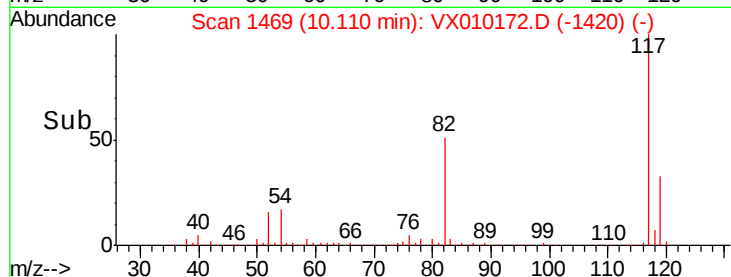
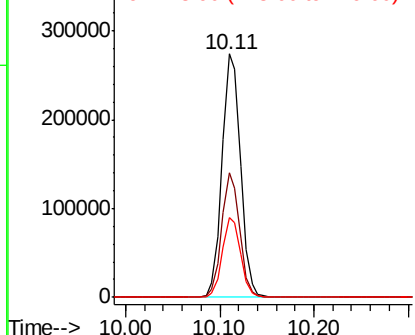
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010172.D
Acq: 10 Jun 2019 13:02

Instrument :
MSVOA_X
ClientSampleId :
BP-DUP02-20190605

Tot Ion:117 Resp: 374080
Ion Ratio Lower Upper
117 100
82 51.1 49.2 73.8
119 32.7 25.2 37.8

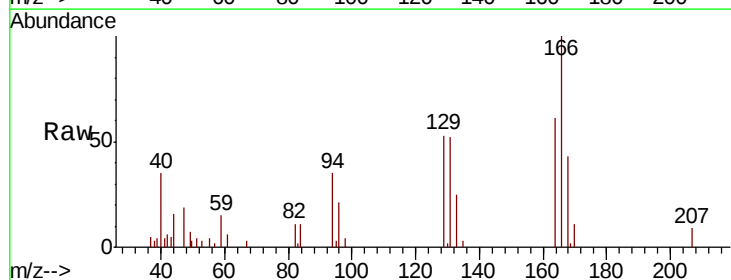


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

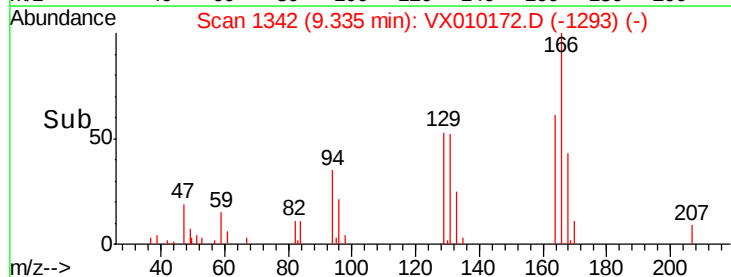
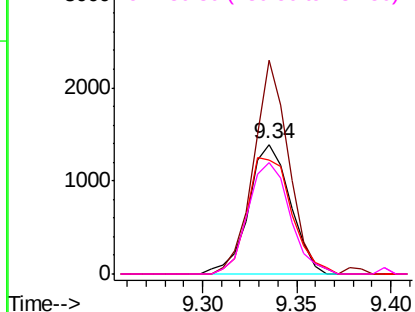


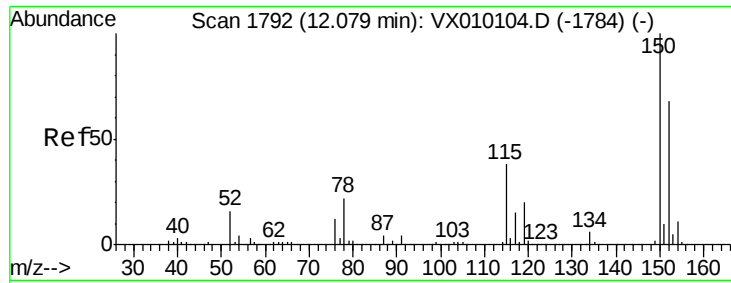
#64
Tetrachloroethene
Concen: 0.765 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010172.D
Acq: 10 Jun 2019 13:02

Tgt Ion:164 Resp: 2126
Ion Ratio Lower Upper
164 100
166 164.7 105.0 157.4#
129 87.5 75.1 112.7
131 85.9 72.2 108.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



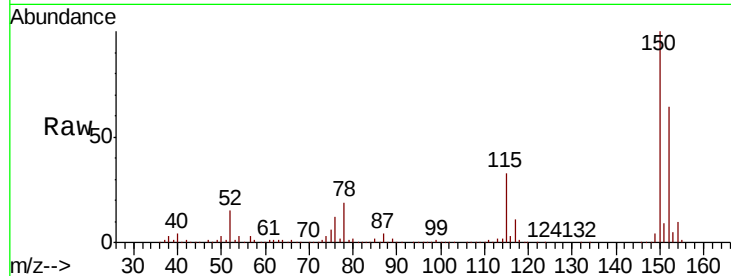


#72

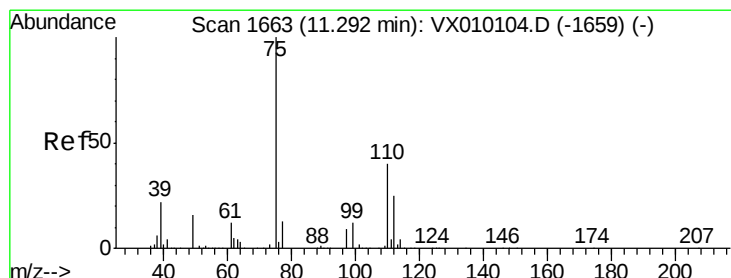
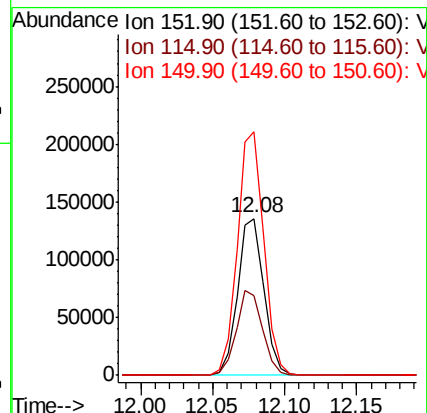
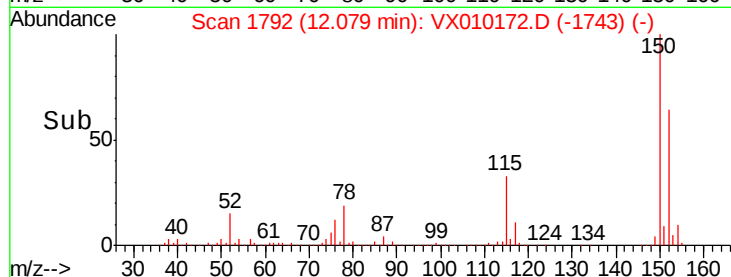
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010172.D
Acq: 10 Jun 2019 13:02

Instrument :
MSVOA_X
ClientSampleId :
BP-DUP02-20190605

Tot Ion:152 Resp: 172887
Ion Ratio Lower Upper
152 100
115 53.8 41.4 124.2
150 156.7 0.0 345.2



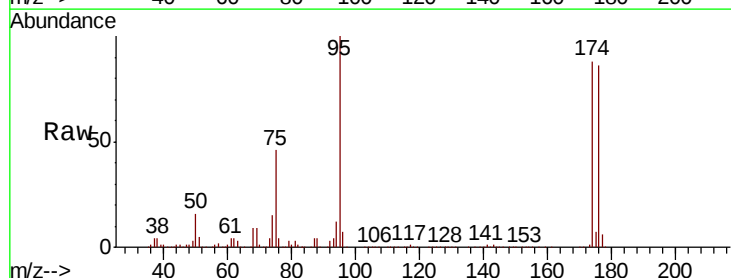
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



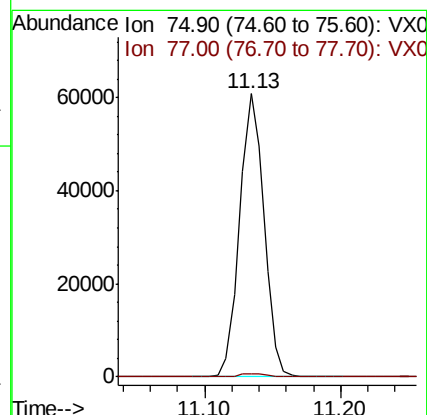
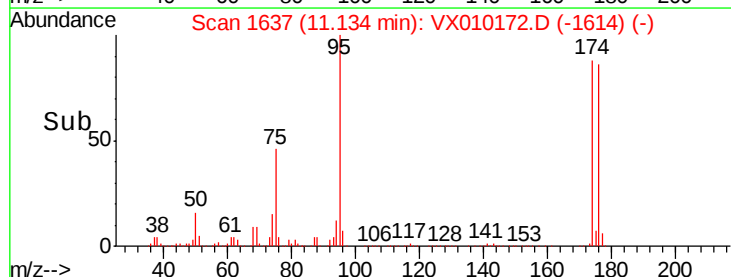
#76

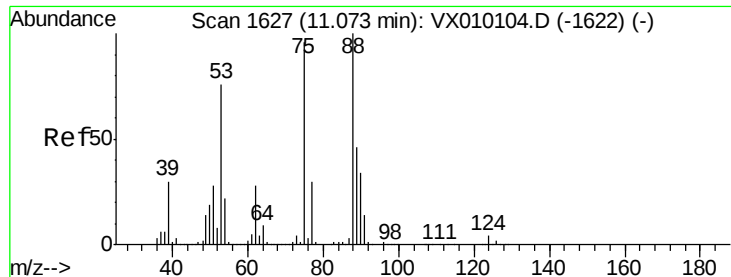
1,2,3-Trichloropropane
Concen: 22.089 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010172.D
Acq: 10 Jun 2019 13:02

Tgt Ion: 75 Resp: 76384
Ion Ratio Lower Upper
75 100
77 1.2 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: 48.803 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010172.D

Acq: 10 Jun 2019 13:02

Instrument :

MSVOA_X

ClientSampleId :

BP-DUP02-20190605

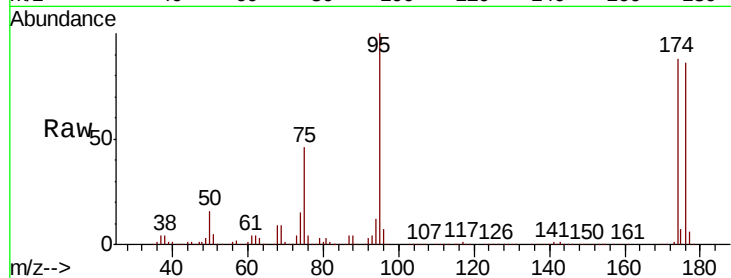
Tot Ion: 75 Resp: 76384

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.1 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

