

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061119\
 Data File : VX010230.D
 Acq On : 11 Jun 2019 14:18
 Operator : JC/SP
 Sample : K3279-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302D-20190607

Quant Time: Jun 12 07:48:36 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	5.66	168	250922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377005	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160028	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	112164	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	
35) Dibromofluoromethane	5.50	113	114892	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	8.71	98	439718	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	151469	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

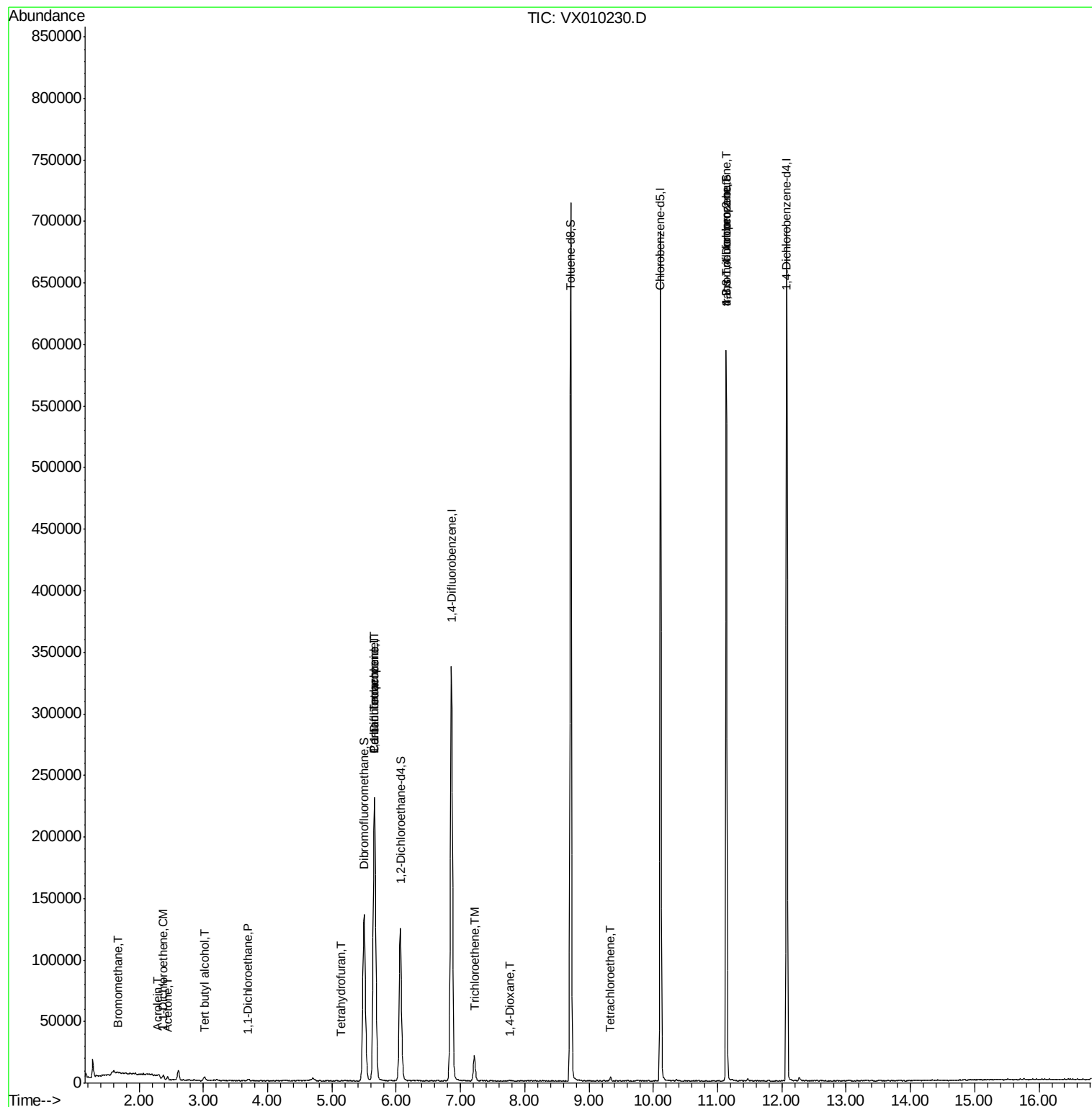
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	370	0.455	ug/l #	57
11) Tert butyl alcohol	3.02	59	1688	2.813	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	1210	0.537	ug/l #	57
13) Acrolein	2.28	56	126	1.152	ug/l #	14
16) Acetone	2.45	43	2351	2.041	ug/l #	84
24) 1,1-Dichloroethane	3.70	63	1279	0.324	ug/l #	90
29) Tetrahydrofuran	5.15	42	271	0.251	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	15108	4.912	ug/l #	52
38) Carbon Tetrachloride	5.66	117	21555	6.191	ug/l #	14
44) Trichloroethene	7.21	130	8592	2.997	ug/l	85
49) 1,4-Dioxane	7.76	88	194	2.719	ug/l #	92
64) Tetrachloroethene	9.33	164	731	0.289	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	68827	21.503	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	68827	47.508	ug/l #	10

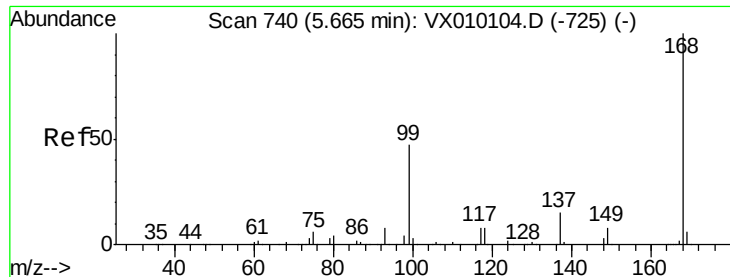
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061119\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

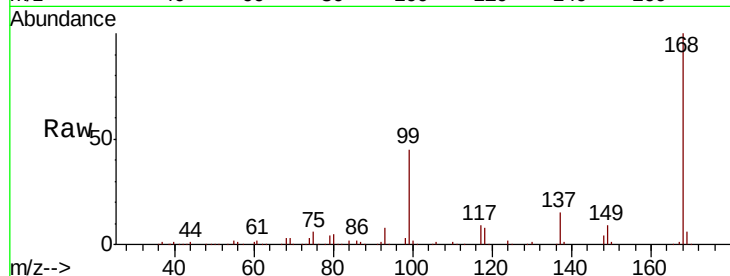
BPS1-TT-MW302D-20190607

Tot Ion:168 Resp: 250922

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

5.66

100000

80000

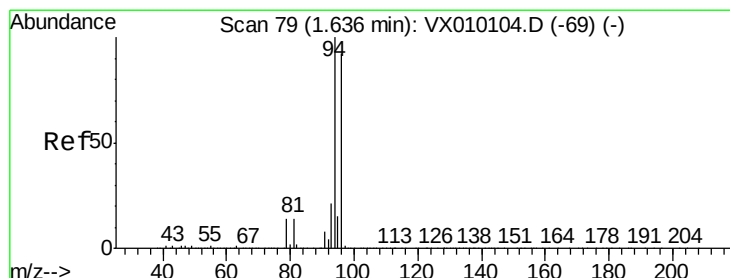
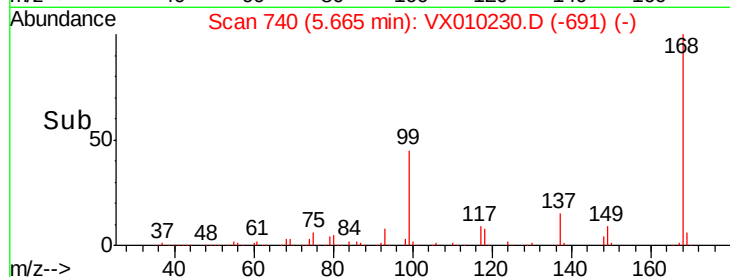
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.455 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010230.D

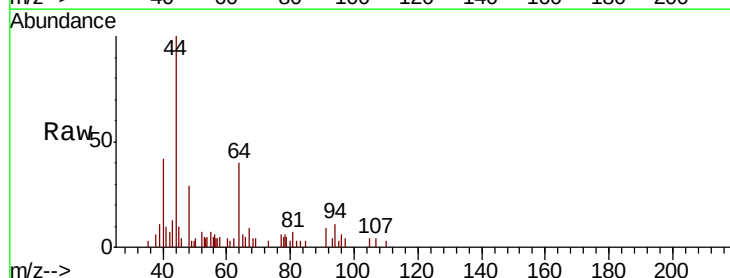
Acq: 11 Jun 2019 14:18

Tgt Ion: 94 Resp: 370

Ion Ratio Lower Upper

94 100

96 53.8 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

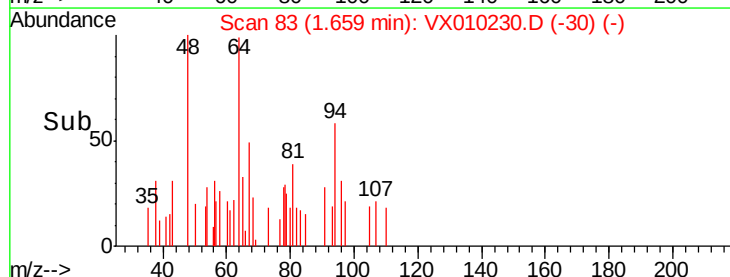
150

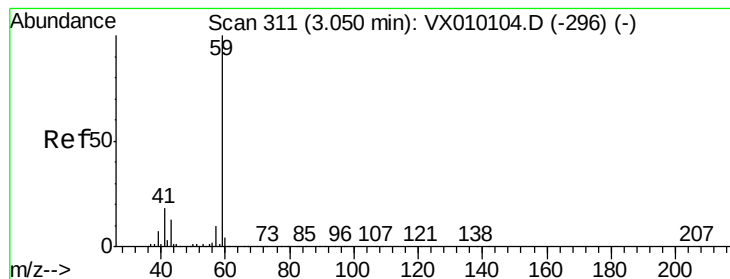
100

50

0

Time--> 1.60 1.65 1.70





#11

Tert butyl alcohol

Concen: 2.813 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

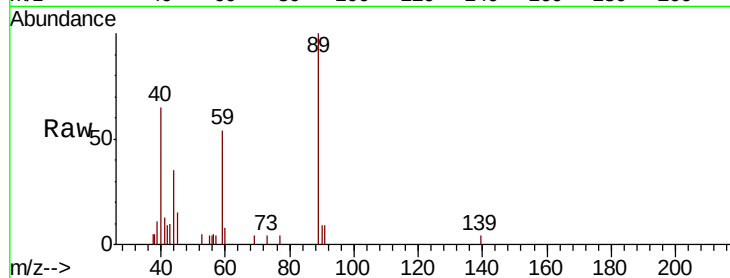
BPS1-TT-MW302D-20190607

Tot Ion: 59 Resp: 1688

Ion Ratio Lower Upper

59 100

57 14.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

600

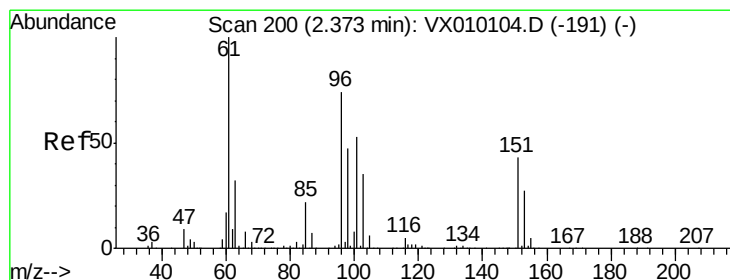
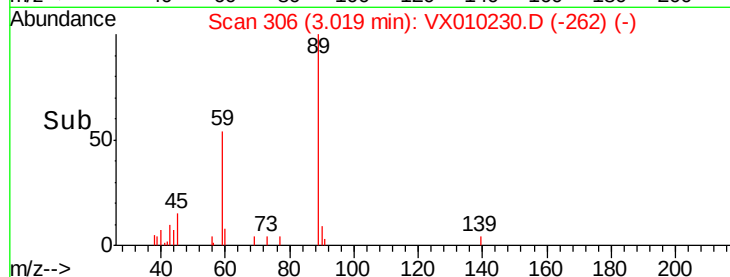
400

200

0

2.95 3.00 3.05 3.10

Time-->



#12

1,1-Dichloroethene

Concen: 0.537 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

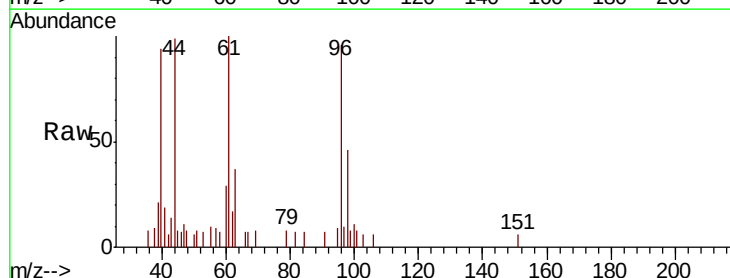
Tgt Ion: 96 Resp: 1210

Ion Ratio Lower Upper

96 100

61 104.5 140.7 211.1#

98 47.6 50.1 75.1#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

1200

1000

800

600

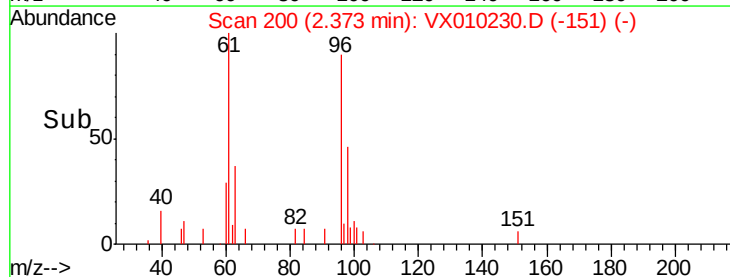
400

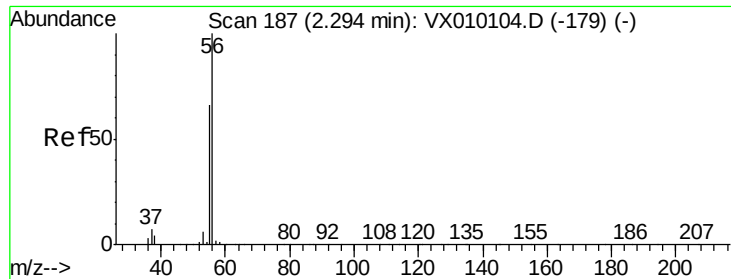
200

0

2.35 2.40 2.45

Time-->

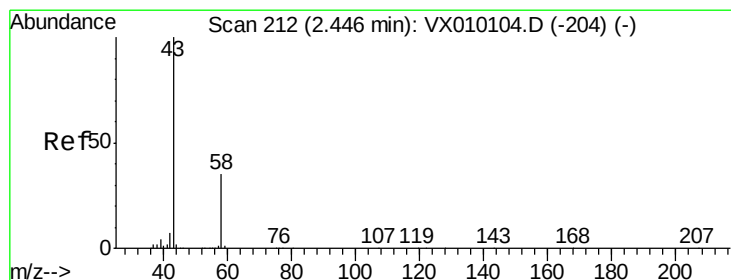
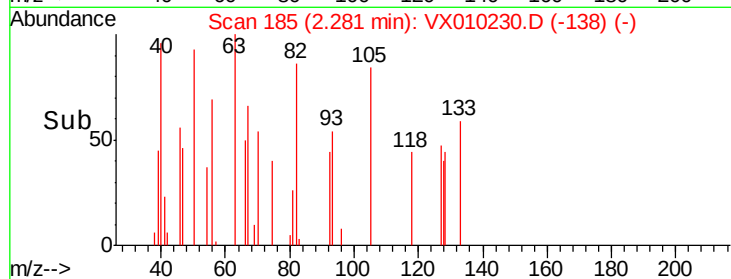
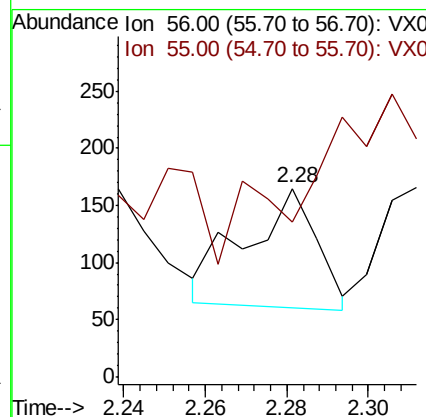
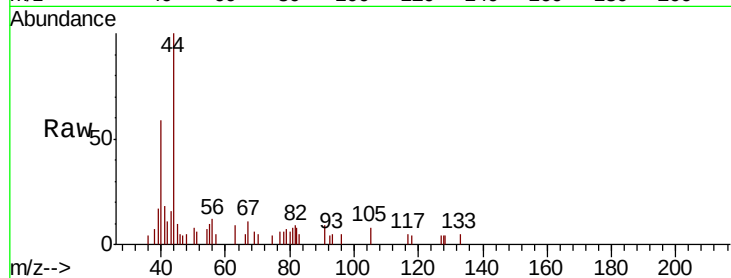




#13
Acrolein
Concen: 1.152 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010230.D
Acq: 11 Jun 2019 14:18

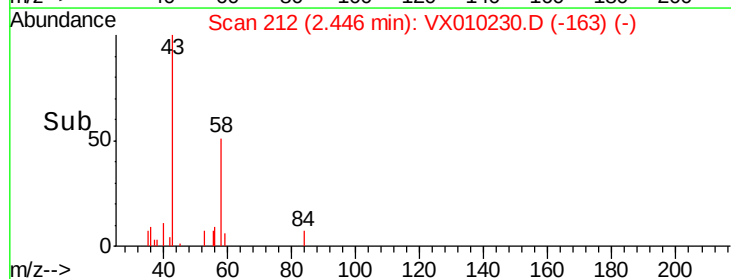
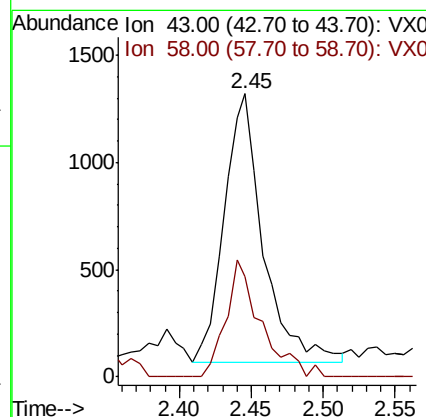
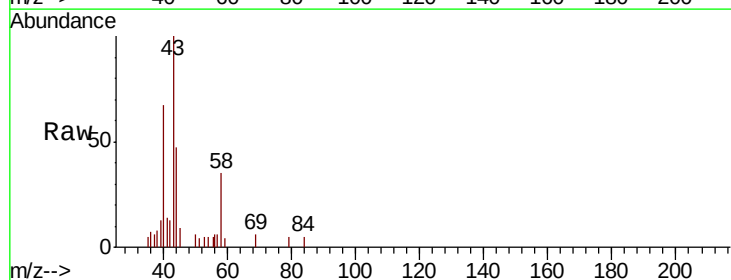
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302D-20190607

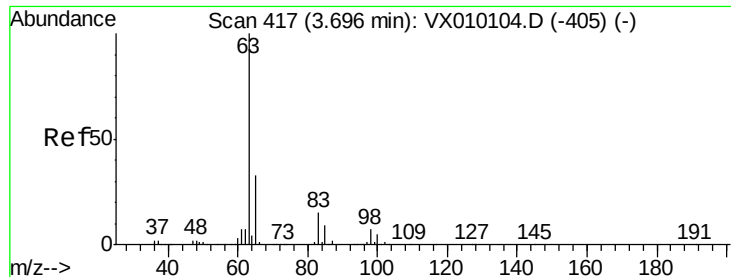
Tot Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 2.041 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010230.D
Acq: 11 Jun 2019 14:18

Tgt Ion: 43 Resp: 2351
Ion Ratio Lower Upper
43 100
58 37.4 23.2 34.8#





#24

1,1-Dichloroethane

Concen: 0.324 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20190607

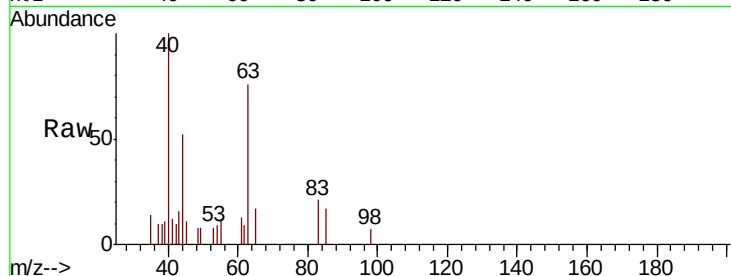
Tot Ion: 63 Resp: 1279

Ion Ratio Lower Upper

63 100

98 9.3 2.9 8.8#

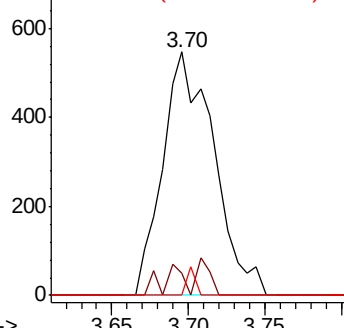
100 0.0 1.8 5.4#



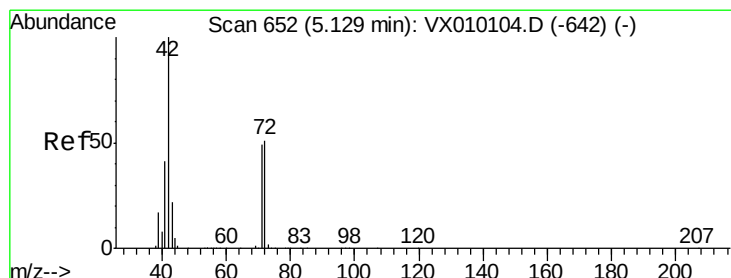
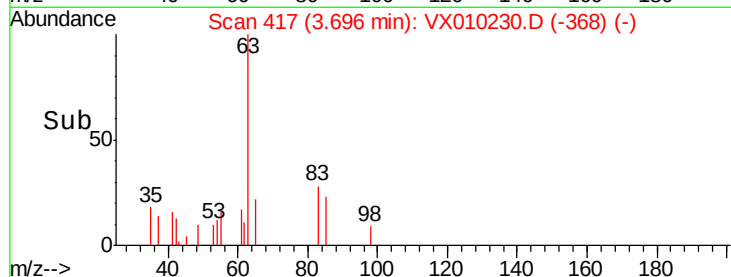
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

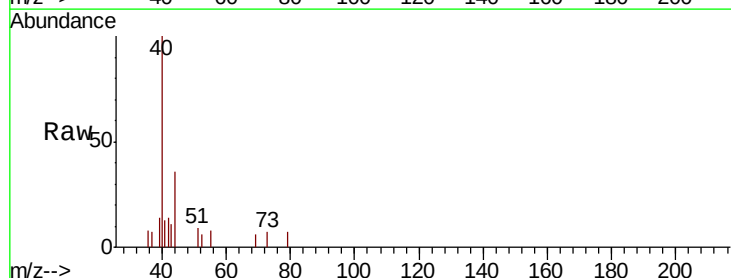
Tgt Ion: 42 Resp: 271

Ion Ratio Lower Upper

42 100

72 0.0 29.2 43.8#

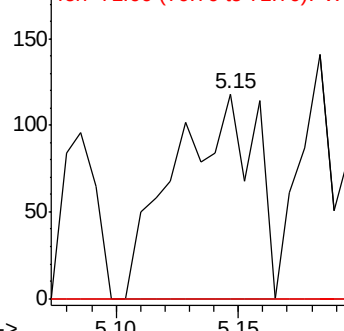
71 0.0 27.6 41.4#



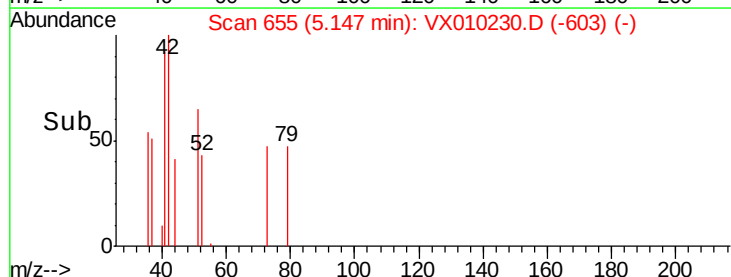
Abundance Ion 42.00 (41.70 to 42.70): VX0

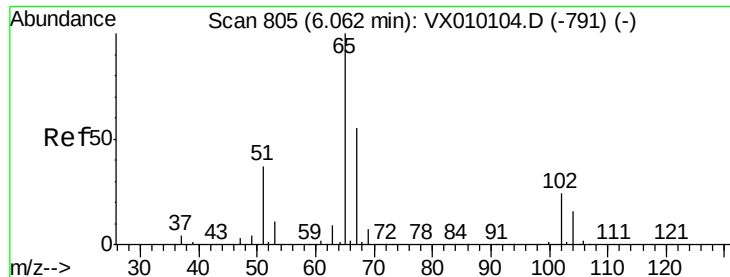
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

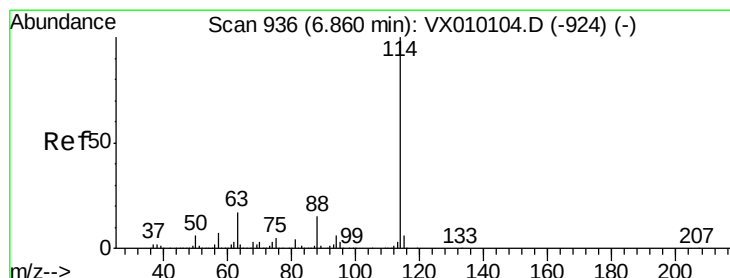
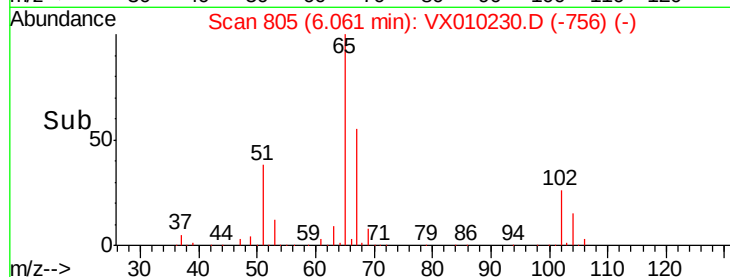
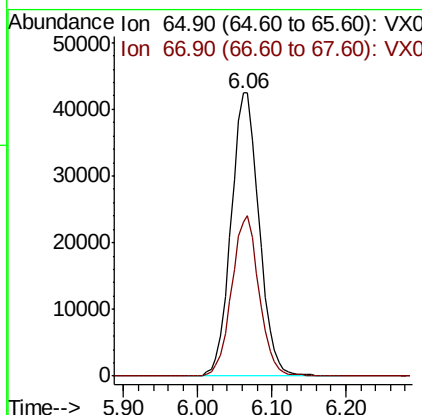
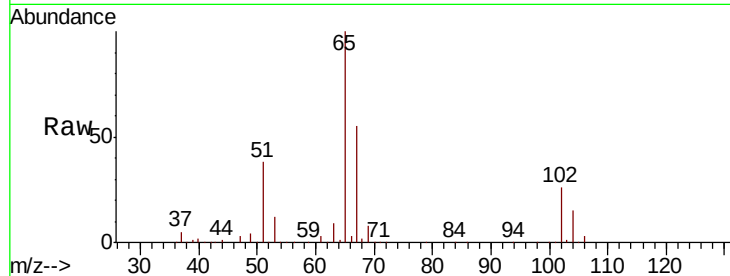




#33
 1,2-Dichloroethane-d4
 Concen: 45.795 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010230.D
 Acq: 11 Jun 2019 14:18

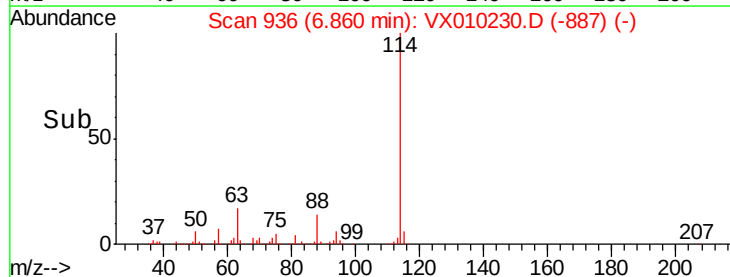
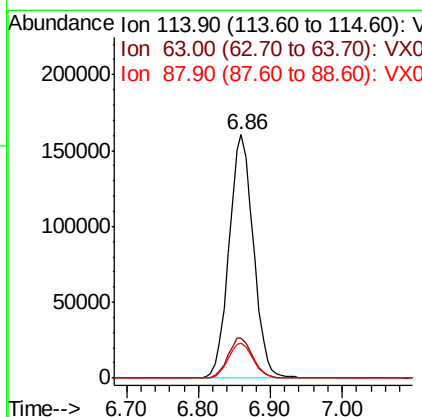
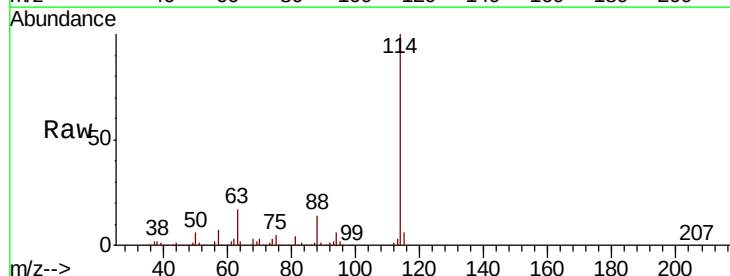
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302D-20190607

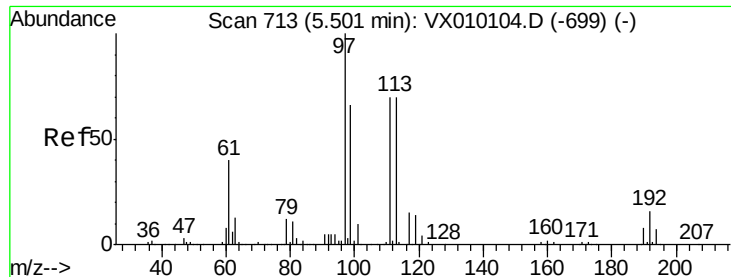
Tot Ion: 65 Resp: 112164
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010230.D
 Acq: 11 Jun 2019 14:18

Tgt Ion: 114 Resp: 377005
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 47.4
 88 14.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.406 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20190607

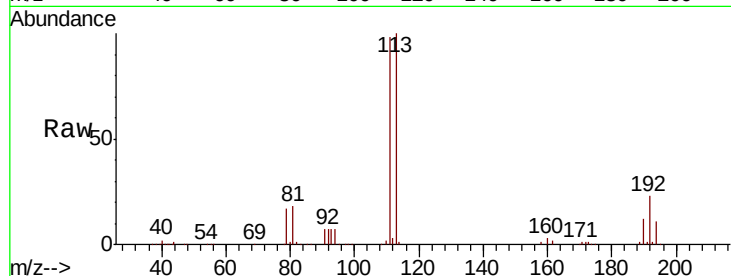
Tot Ion:113 Resp: 114892

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

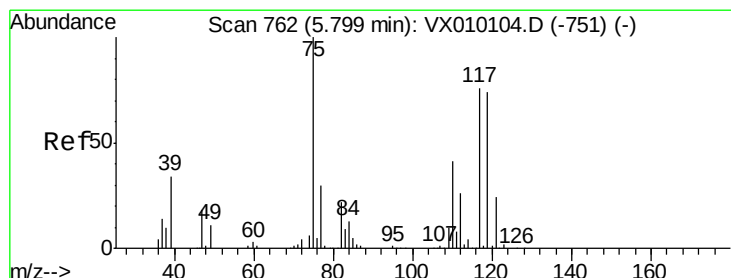
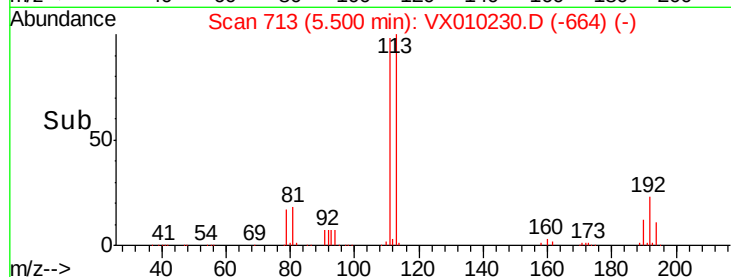
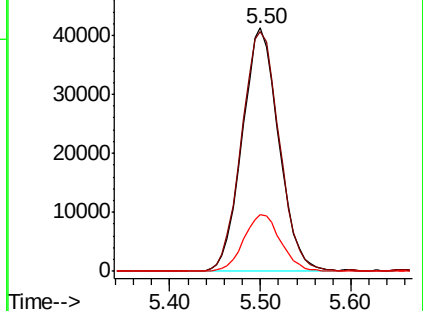
192 23.7 17.1 25.7



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: 4.912 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

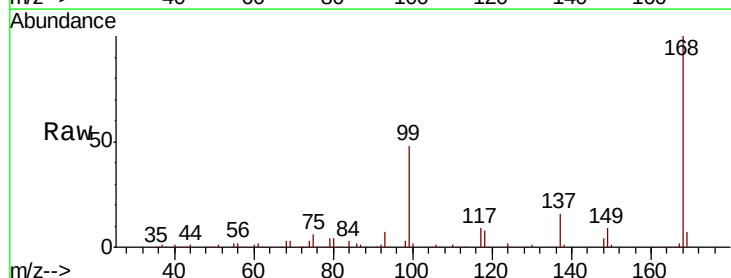
Tgt Ion: 75 Resp: 15108

Ion Ratio Lower Upper

75 100

110 10.4 16.7 50.1#

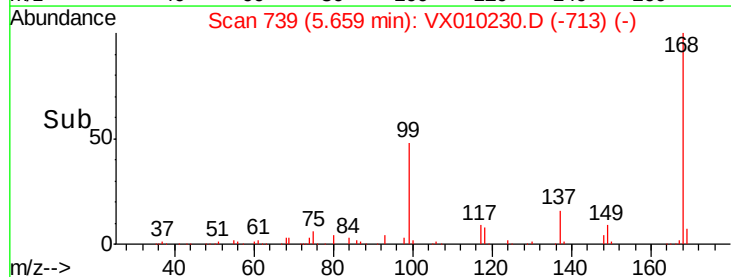
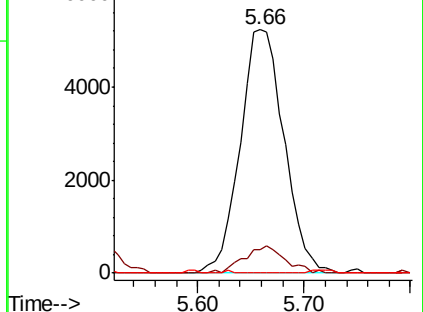
77 0.0 25.0 37.4#

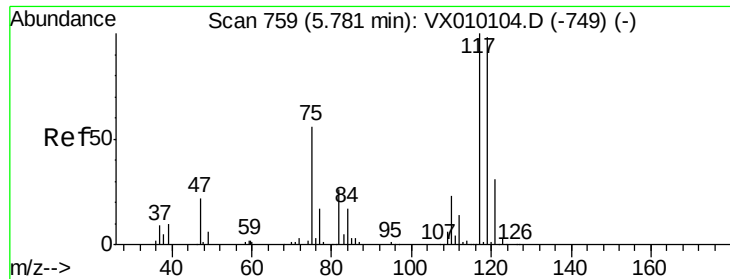


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

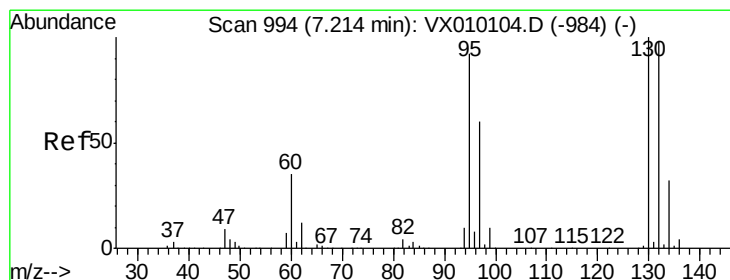
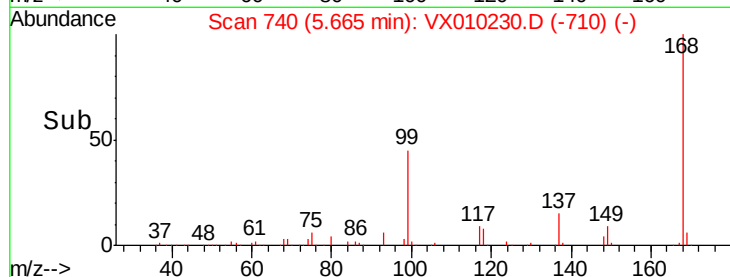
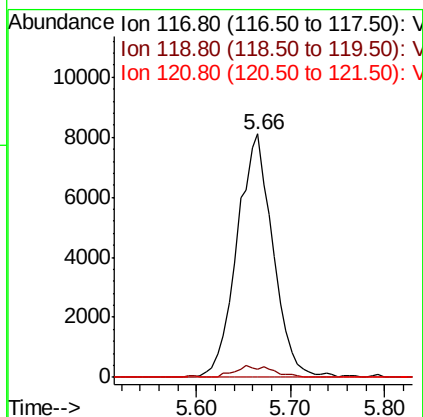
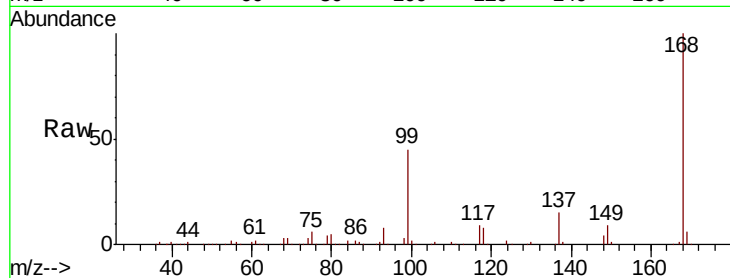




#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010230.D
Acq: 11 Jun 2019 14:18

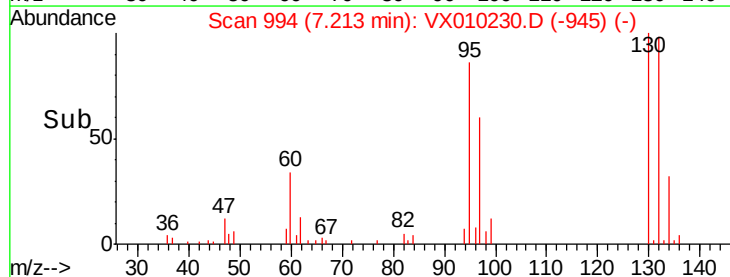
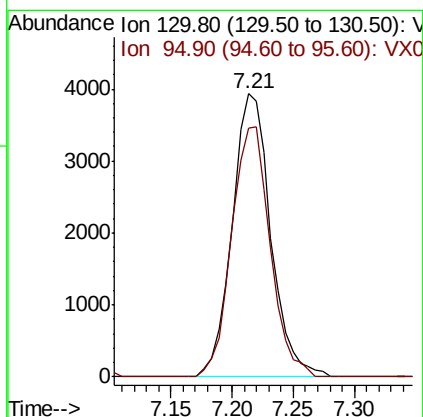
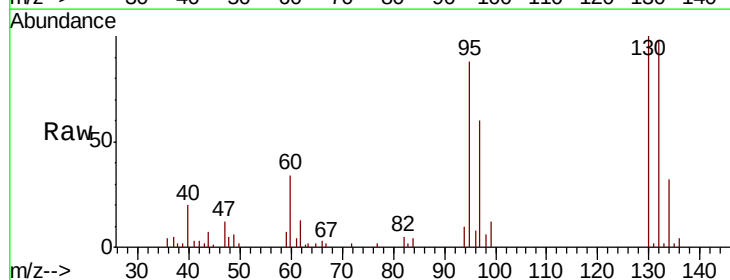
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302D-20190607

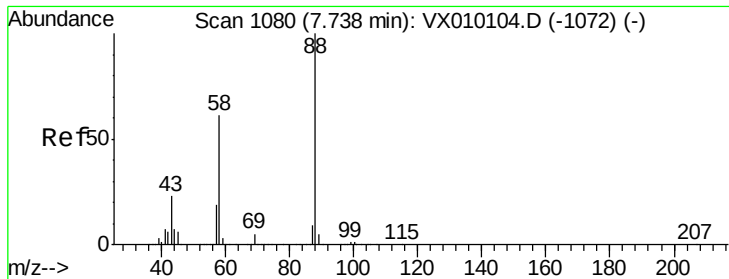
Tot Ion:117 Resp: 21555
Ion Ratio Lower Upper
117 100
119 3.3 77.3 115.9#
121 0.0 25.4 38.0#



#44
Trichloroethene
Concen: 2.997 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010230.D
Acq: 11 Jun 2019 14:18

Tgt Ion:130 Resp: 8592
Ion Ratio Lower Upper
130 100
95 87.9 0.0 207.4





#49

1,4-Dioxane

Concen: 2.719 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Instrument :

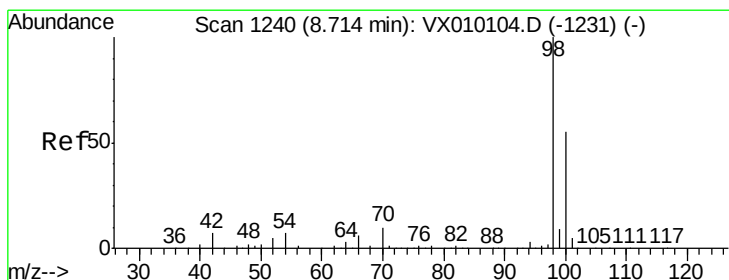
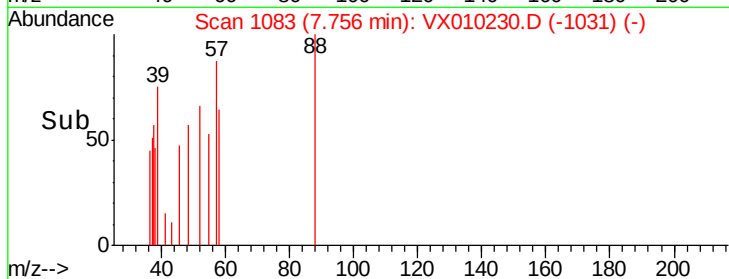
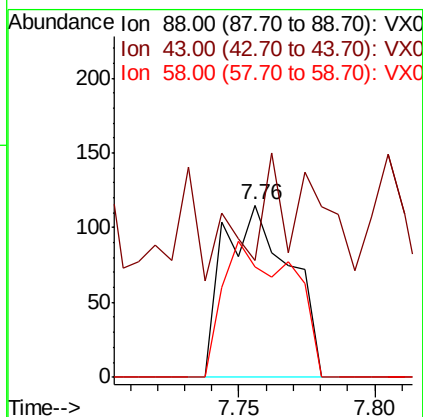
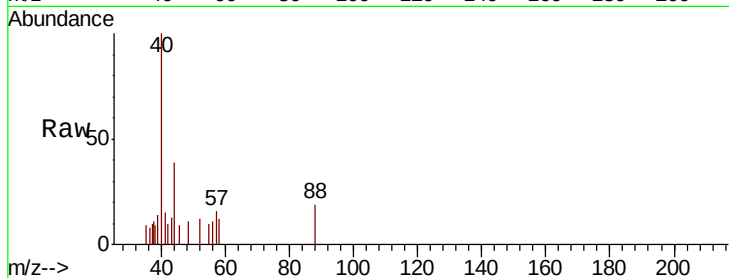
MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20190607

Tot Ion: 88 Resp: 194

Ion	Ratio	Lower	Upper
88	100		
43	25.3	30.2	45.4#
58	81.4	64.0	96.0



#50

Toluene-d8

Concen: 50.453 ug/l

RT: 8.71 min Scan# 1240

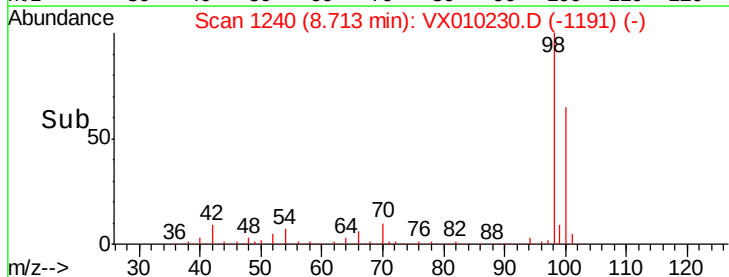
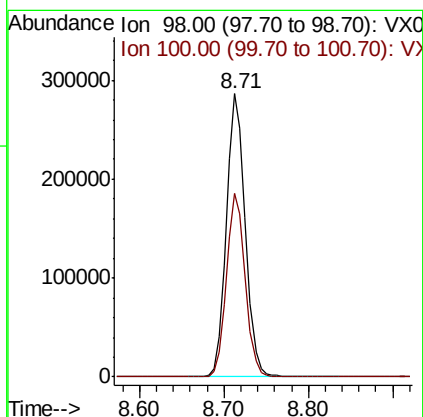
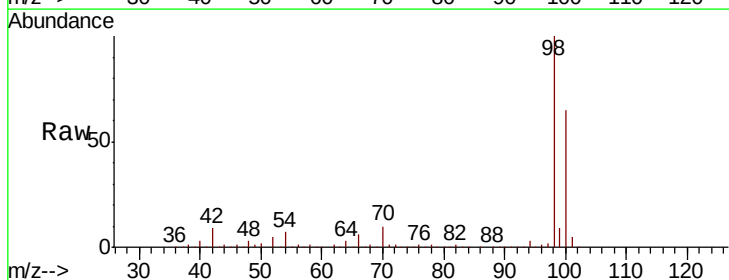
Delta R.T. 0.00 min

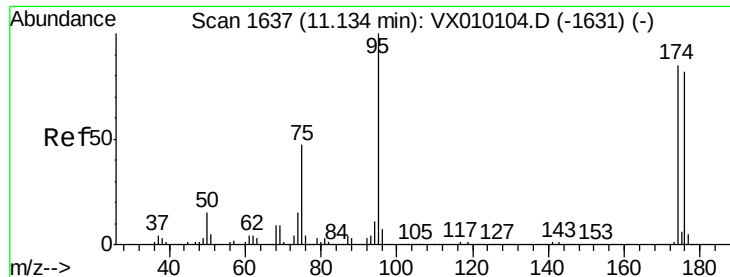
Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Tgt Ion: 98 Resp: 439718

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#62

4-Bromofluorobenzene

Concen: 46.536 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20190607

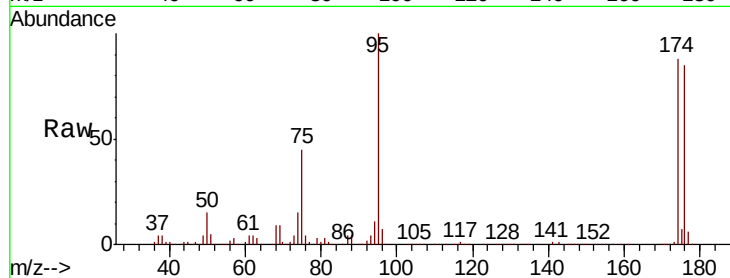
Tot Ion: 95 Resp: 151469

Ion Ratio Lower Upper

95 100

174 94.1 0.0 160.4

176 92.9 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)

11.13

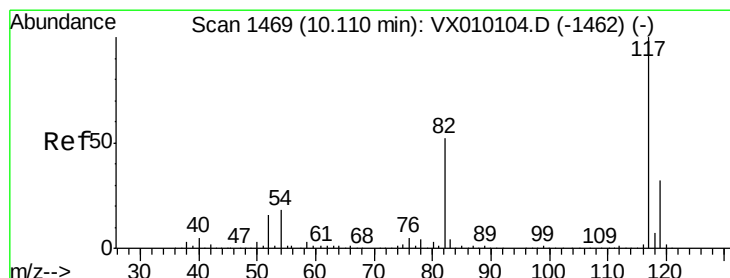
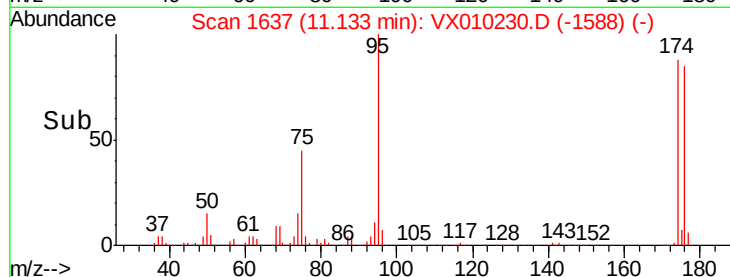
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

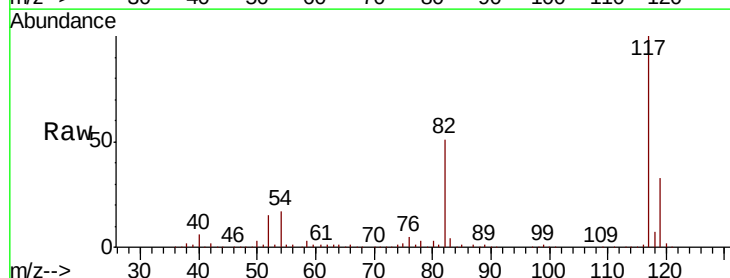
Tgt Ion: 117 Resp: 340993

Ion Ratio Lower Upper

117 100

82 51.3 49.2 73.8

119 32.6 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)

10.11

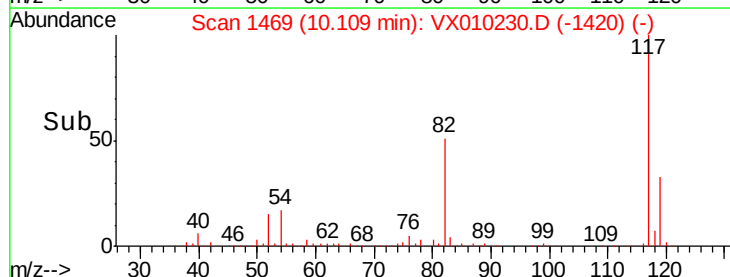
300000

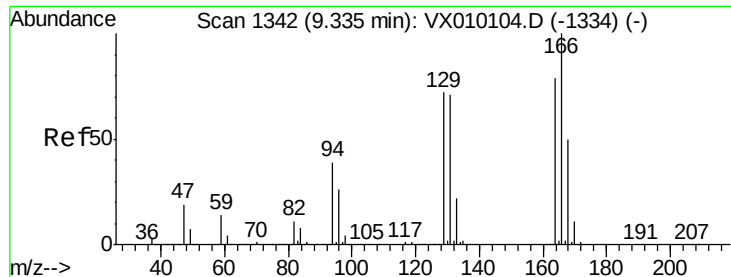
200000

100000

0

Time-->





#64

Tetrachloroethene

Concen: 0.289 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010230.D

Acq: 11 Jun 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20190607

Tot Ion:164 Resp: 731

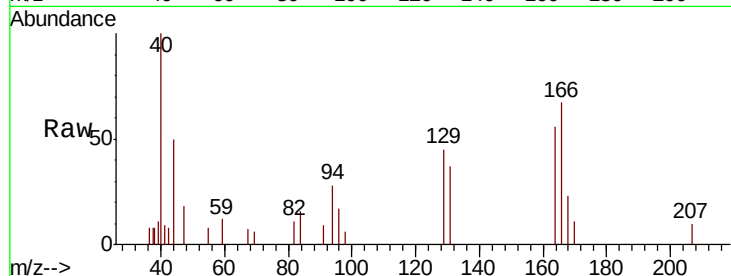
Ion Ratio Lower Upper

164 100

166 120.0 105.0 157.4

129 79.8 75.1 112.7

131 66.3 72.2 108.4#

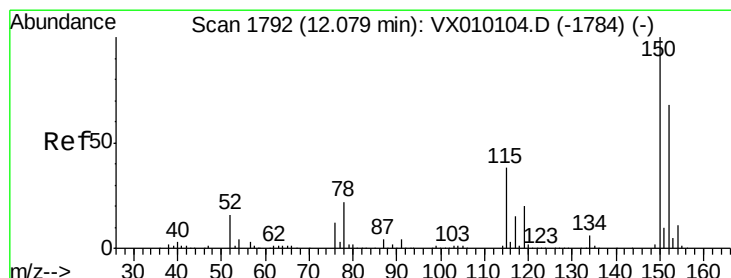
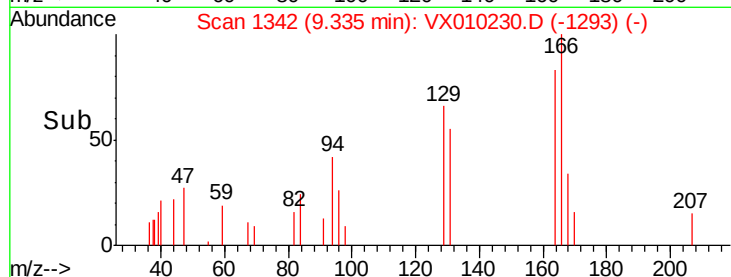
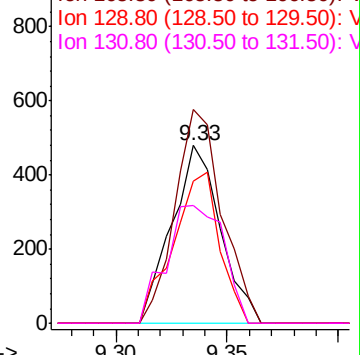


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX010230.D

Acq: 11 Jun 2019 14:18

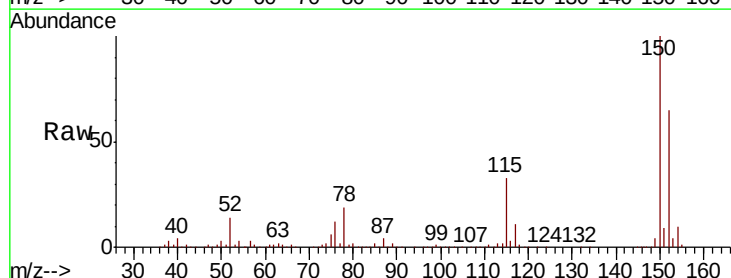
Tgt Ion:152 Resp: 160028

Ion Ratio Lower Upper

152 100

115 54.1 41.4 124.2

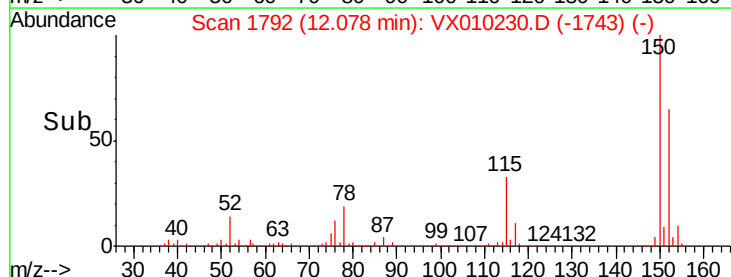
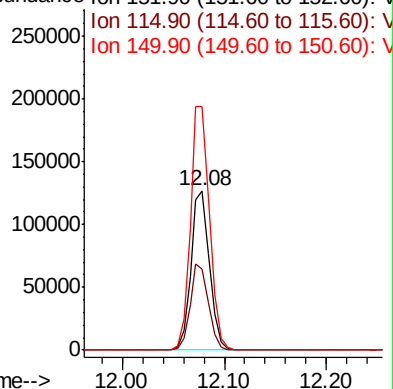
150 158.5 0.0 345.2

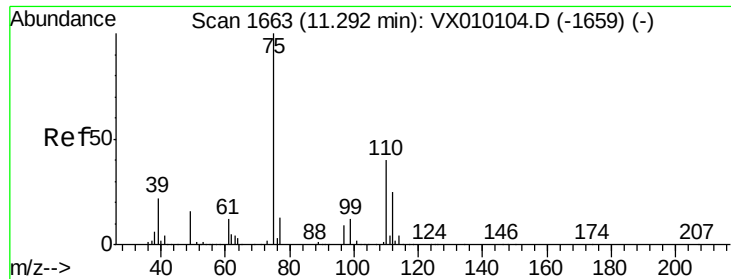


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

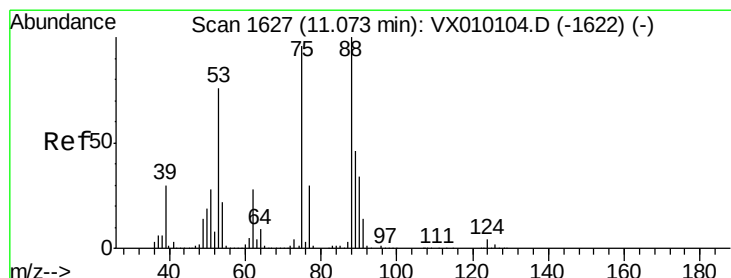
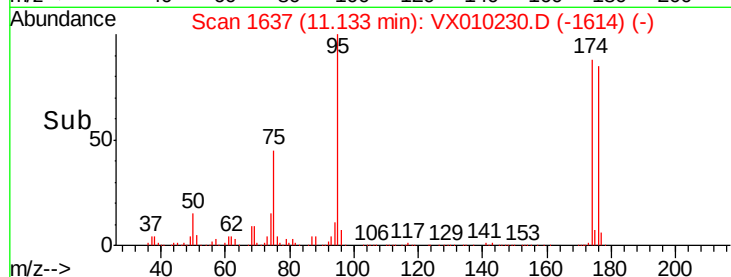
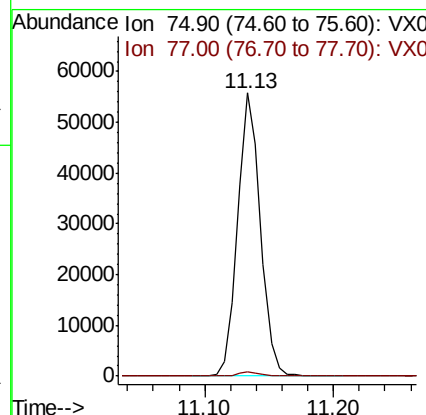
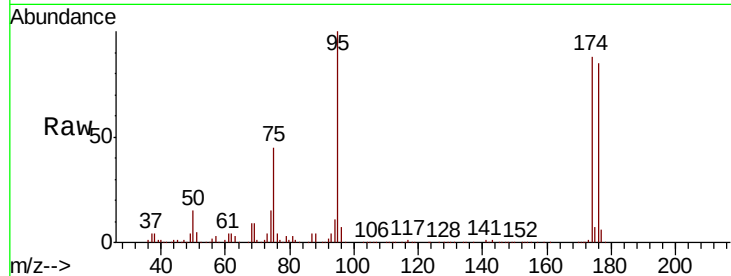




#76
 1,2,3-Trichloropropane
 Concen: 21.503 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010230.D
 Acq: 11 Jun 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302D-20190607

Tot Ion: 75 Resp: 68827
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.508 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010230.D
 Acq: 11 Jun 2019 14:18

Tgt Ion: 75 Resp: 68827
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.8 119.6#
 89 0.0 34.2 51.4#

