

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010190.D
 Acq On : 10 Jun 2019 20:03
 Operator : JC/SP
 Sample : K3279-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30212-20190607

Quant Time: Jun 11 02:40:37 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	250904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380051	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163820	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	112402	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
35) Dibromofluoromethane	5.50	113	115674	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	444175	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	156846	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

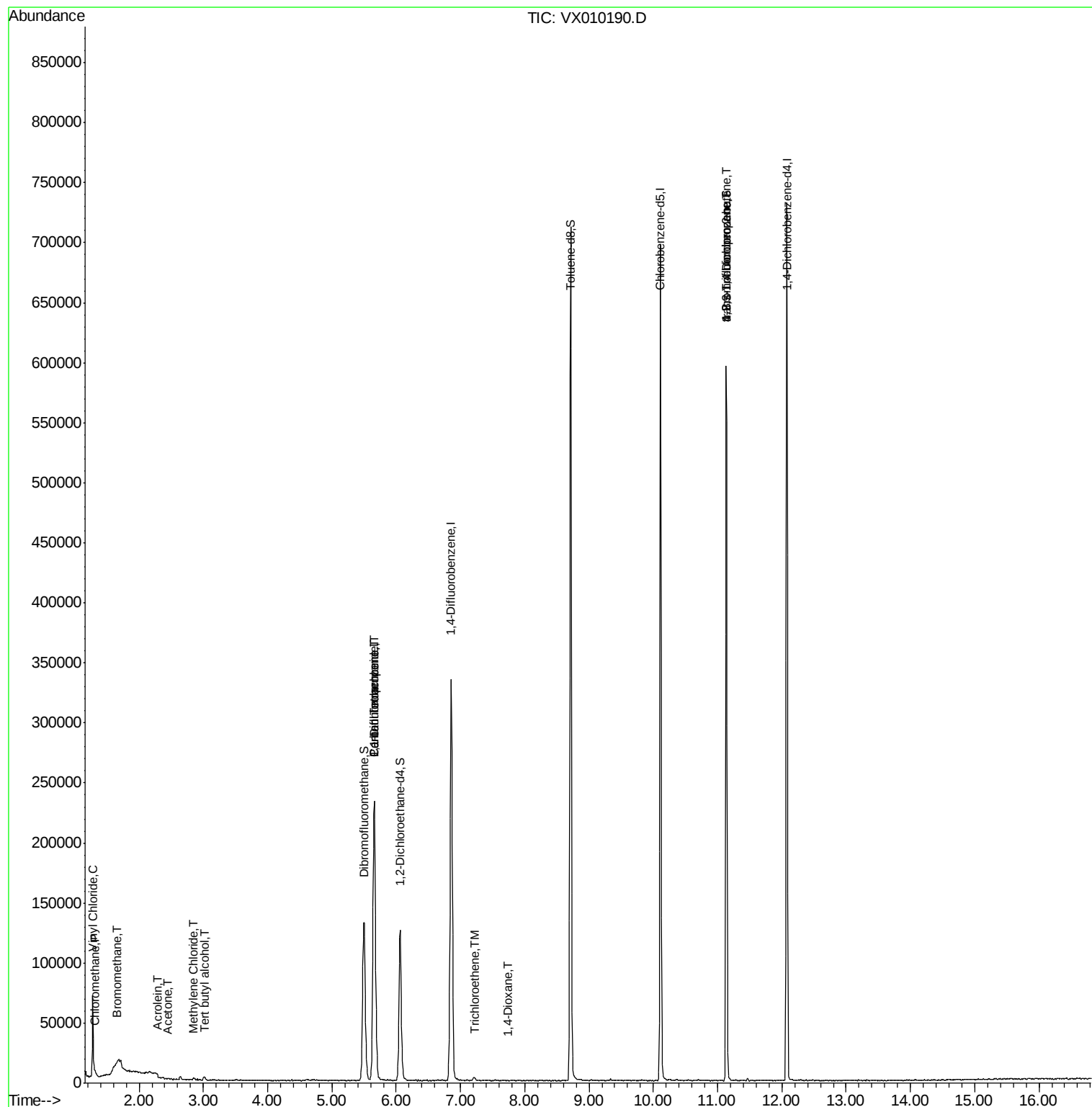
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	527	0.230	ug/l	91
4) Vinyl Chloride	1.28	62	569	0.264	ug/l #	1
5) Bromomethane	1.65	94	276	0.339	ug/l #	16
11) Tert butyl alcohol	3.01	59	1514	2.523	ug/l	95
13) Acrolein	2.29	56	88	0.804	ug/l #	42
16) Acetone	2.45	43	830	0.721	ug/l #	42
20) Methylene Chloride	2.85	84	809	0.320	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	14662	4.729	ug/l #	52
38) Carbon Tetrachloride	5.66	117	21010	5.987	ug/l #	15
44) Trichloroethene	7.21	130	1213	0.420	ug/l	39
49) 1,4-Dioxane	7.74	88	21	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69767	21.292	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	69767	47.043	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
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QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

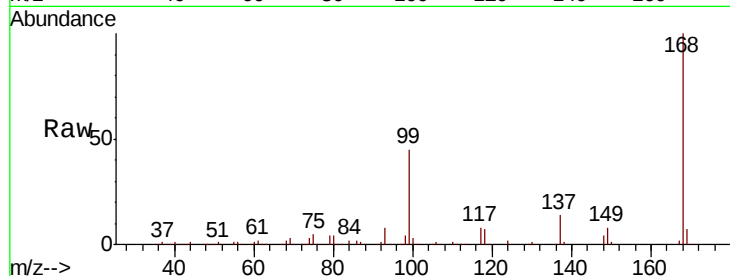
BPS1-TT-MW30212-20190607

Tot Ion:168 Resp: 250904

Ion Ratio Lower Upper

168 100

99 45.3 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

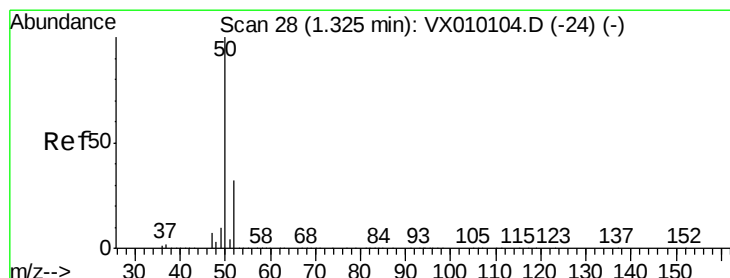
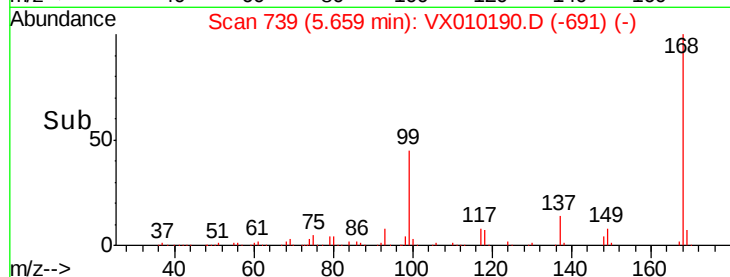
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX010190.D

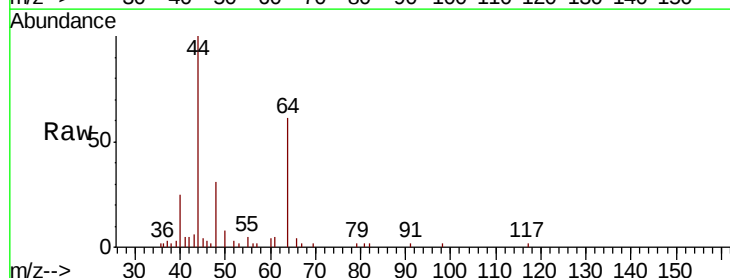
Acq: 10 Jun 2019 20:03

Tgt Ion: 50 Resp: 527

Ion Ratio Lower Upper

50 100

52 37.3 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

300

250

200

150

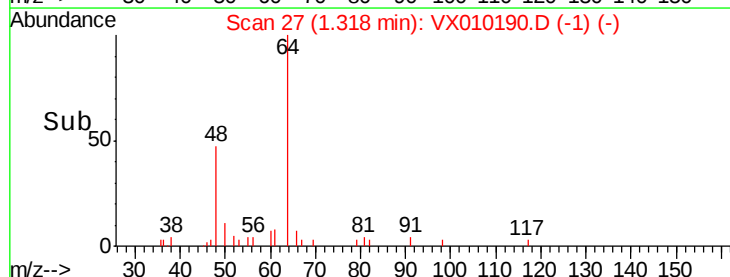
100

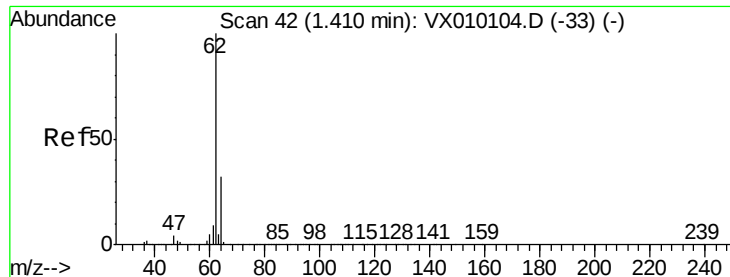
50

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.264 ug/l

RT: 1.28 min Scan# 21

Delta R.T. -0.13 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

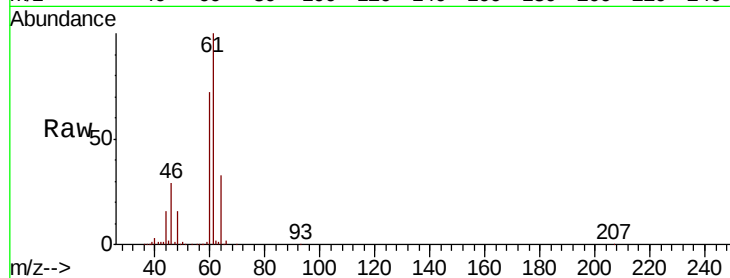
BPS1-TT-MW30212-20190607

Tot Ion: 62 Resp: 569

Ion Ratio Lower Upper

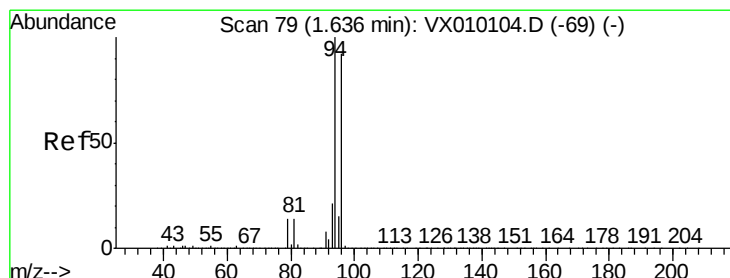
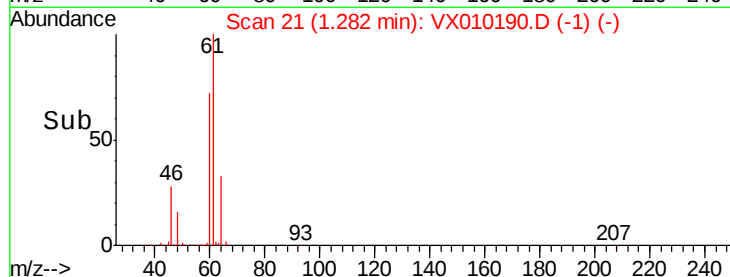
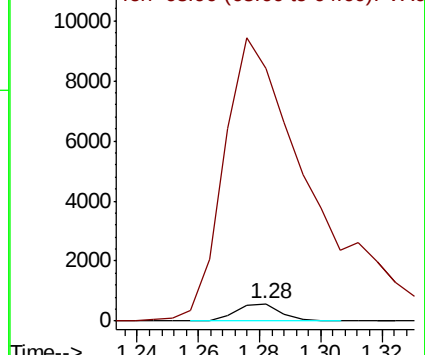
62 100

64 1417.2 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010190.D

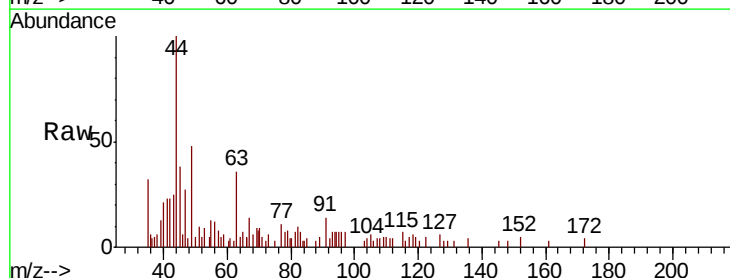
Acq: 10 Jun 2019 20:03

Tgt Ion: 94 Resp: 276

Ion Ratio Lower Upper

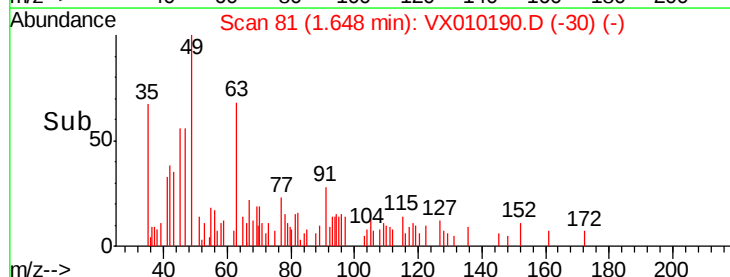
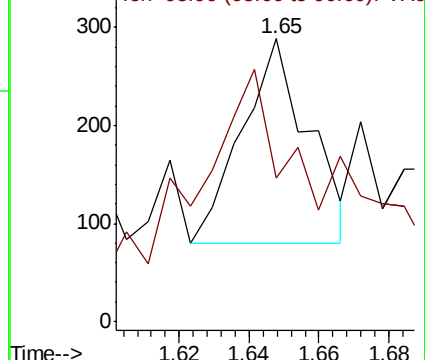
94 100

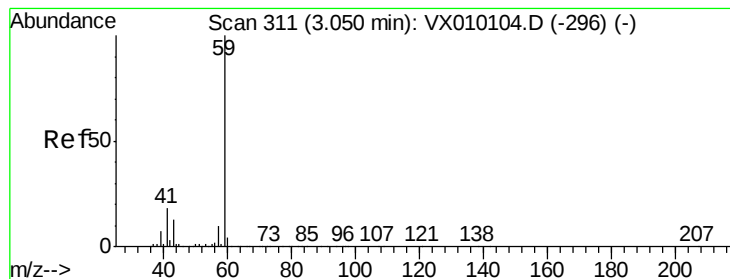
96 13.9 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



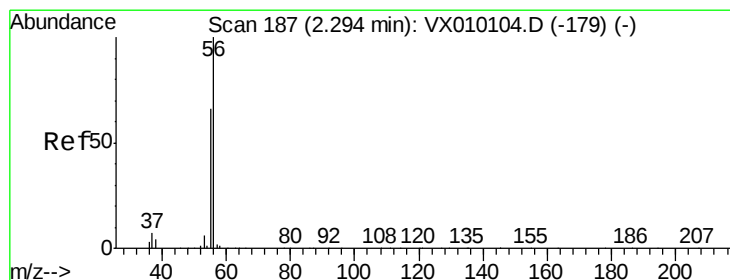
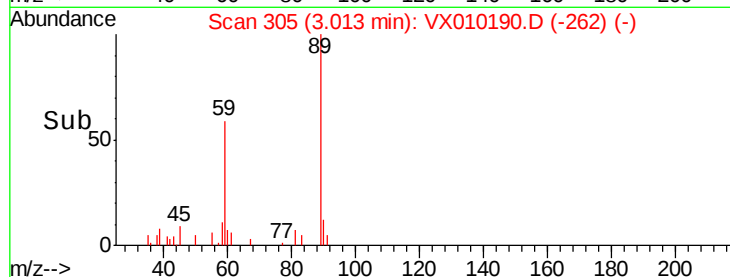
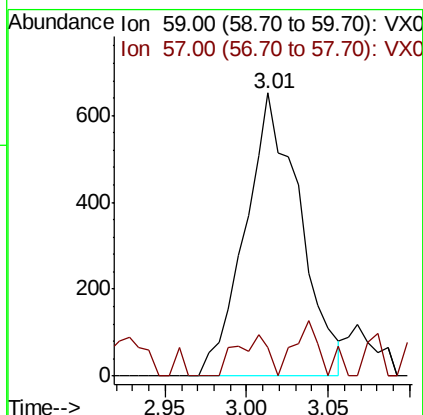
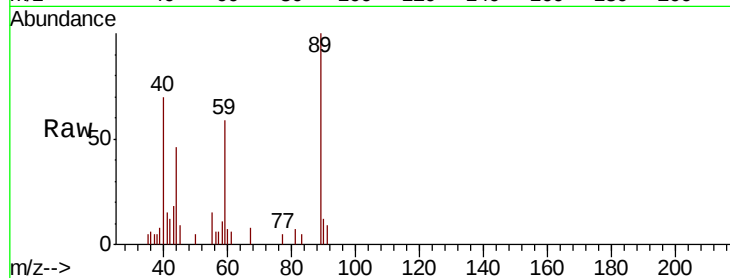


#11

Tert butyl alcohol
Concen: 2.523 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010190.D
Acq: 10 Jun 2019 20:03

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20190607

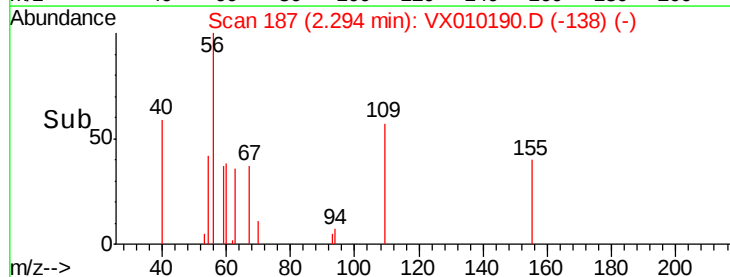
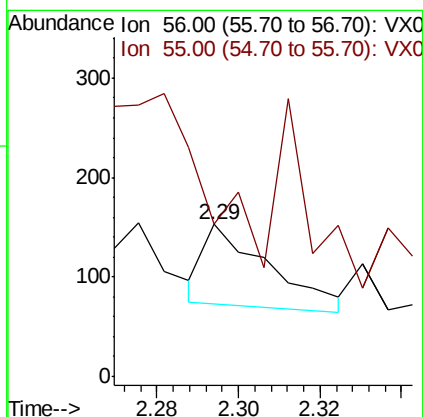
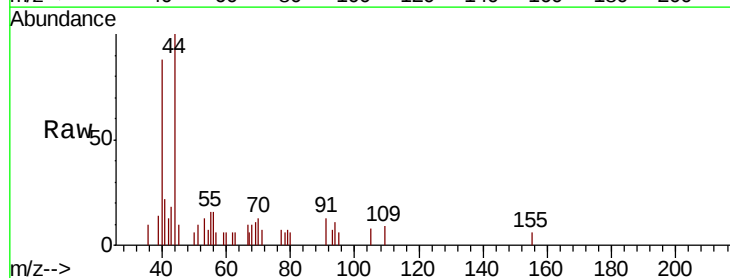
Tot Ion: 59 Resp: 1514
Ion Ratio Lower Upper
59 100
57 8.5 8.2 12.2

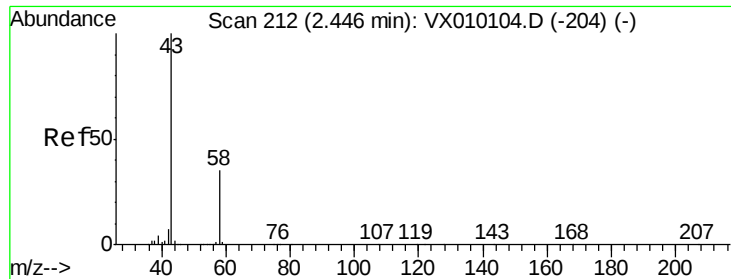


#13

Acrolein
Concen: 0.804 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX010190.D
Acq: 10 Jun 2019 20:03

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 119.3 57.0 85.4#

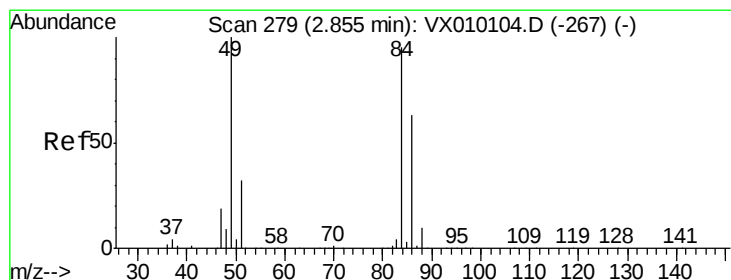
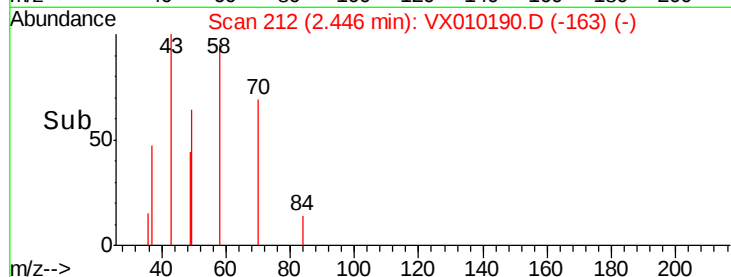
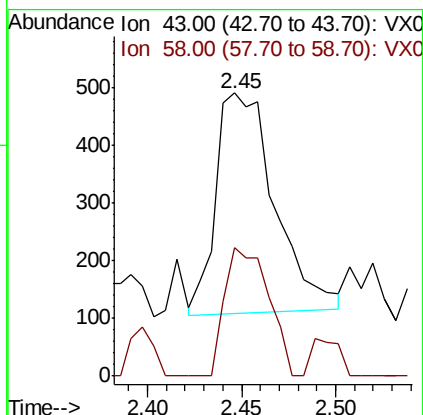
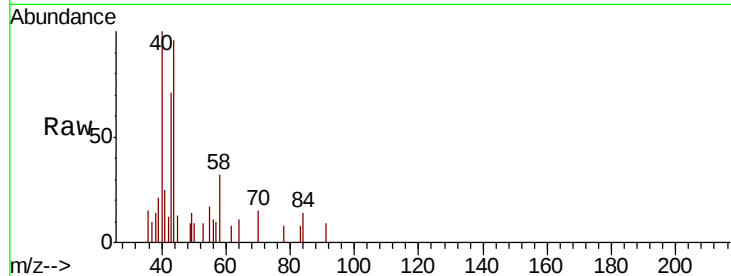




#16
Acetone
Concen: 0.721 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010190.D
Acq: 10 Jun 2019 20:03

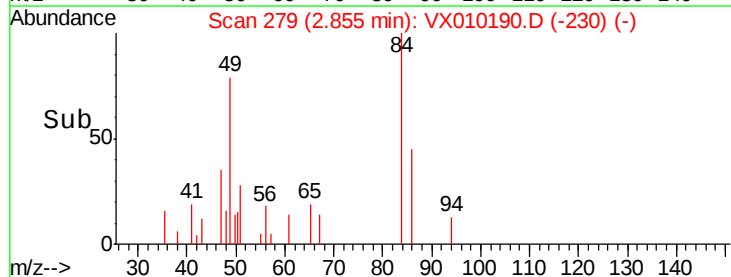
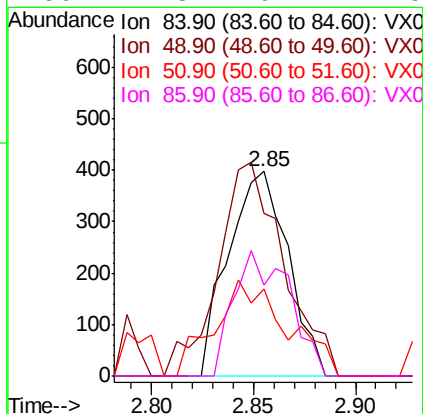
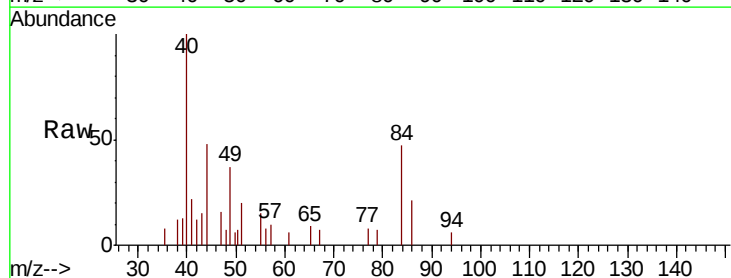
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20190607

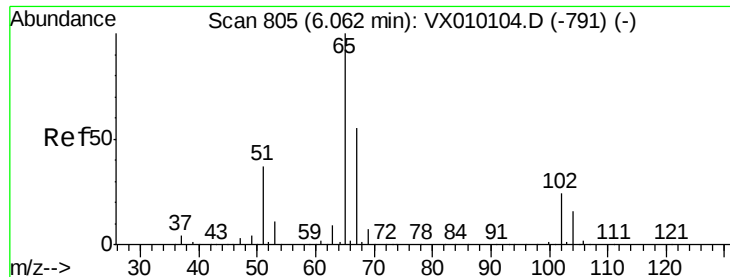
Tot Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
58 59.9 23.2 34.8#



#20
Methylene Chloride
Concen: 0.320 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010190.D
Acq: 10 Jun 2019 20:03

Tgt Ion: 84 Resp: 809
Ion Ratio Lower Upper
84 100
49 79.3 115.8 173.6#
51 42.8 34.4 51.6
86 44.8 49.7 74.5#





#33

1,2-Dichloroethane-d4

Concen: 45.895 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

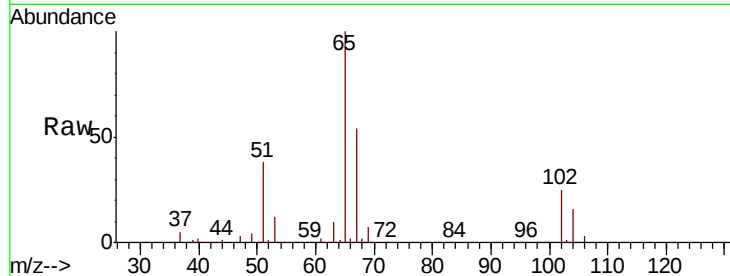
BPS1-TT-MW30212-20190607

Tot Ion: 65 Resp: 112402

Ion Ratio Lower Upper

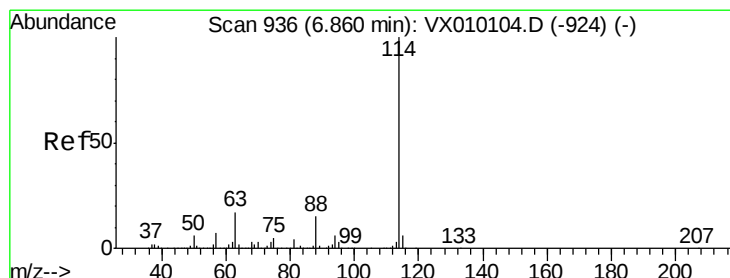
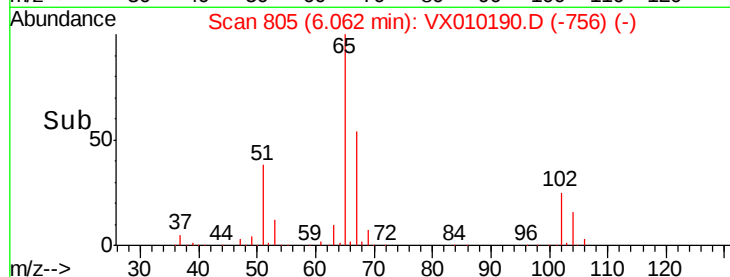
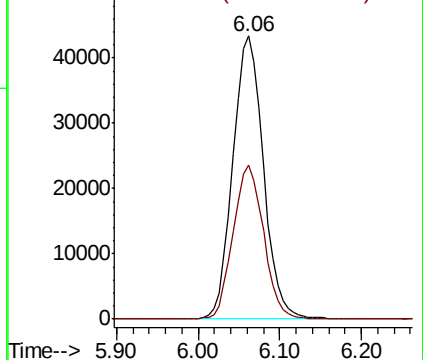
65 100

67 54.5 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: VX010190.D

Acq: 10 Jun 2019 20:03

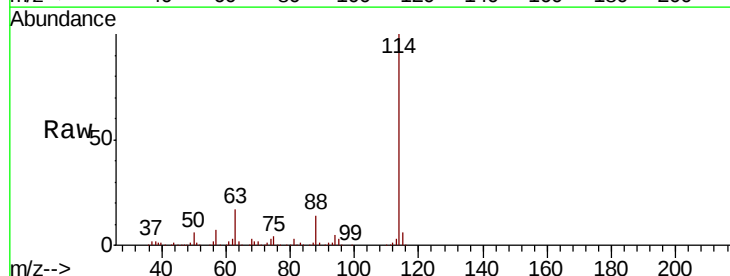
Tgt Ion:114 Resp: 380051

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

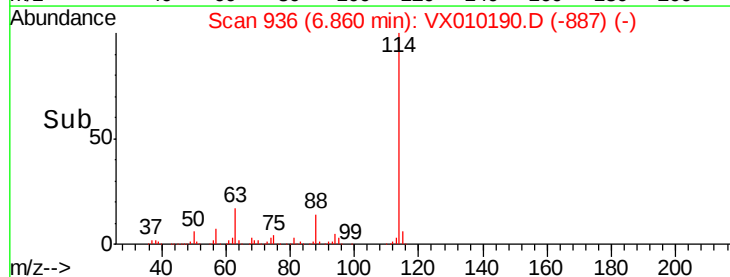
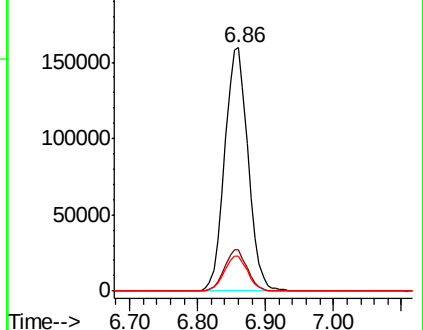
88 14.3 0.0 33.0

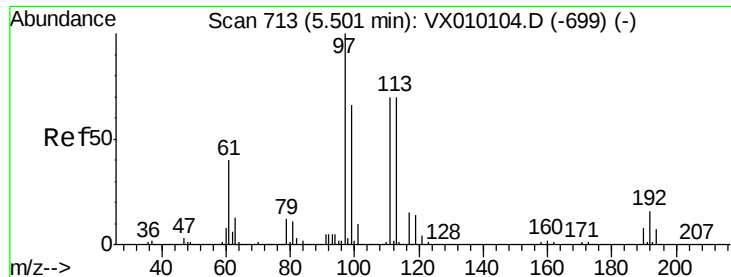


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.344 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20190607

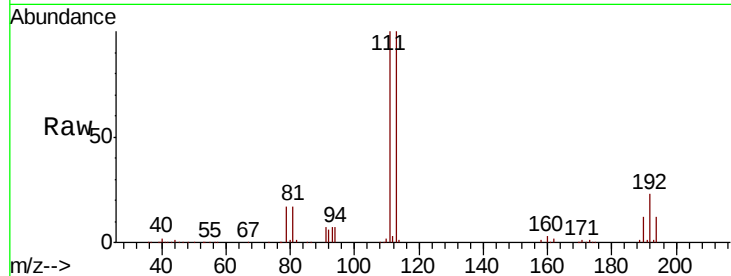
Tot Ion:113 Resp: 115674

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

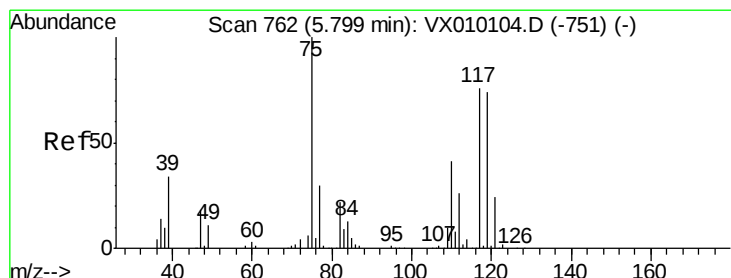
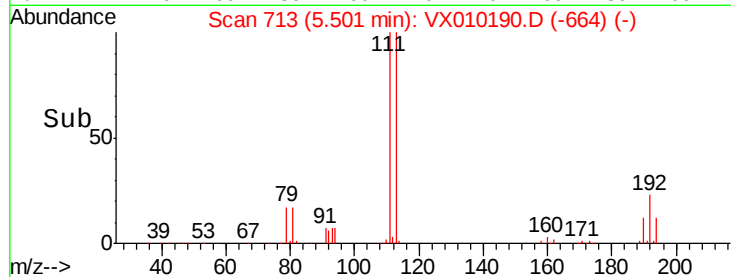
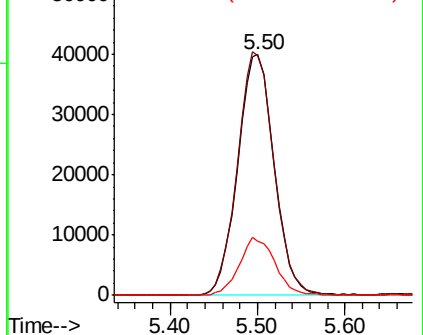
192 23.5 17.1 25.7



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: 4.729 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

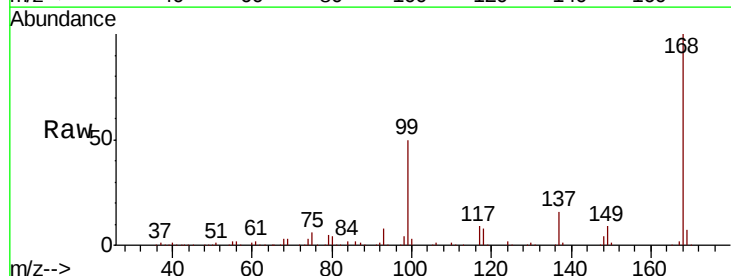
Tgt Ion: 75 Resp: 14662

Ion Ratio Lower Upper

75 100

110 10.5 16.7 50.1#

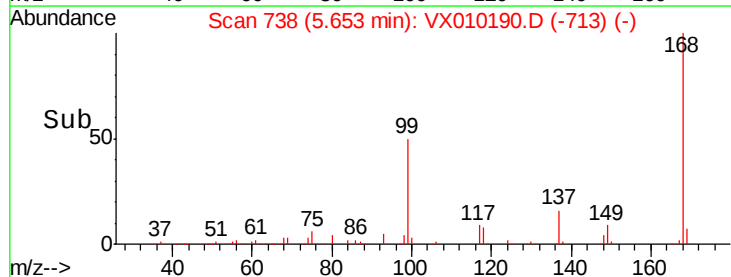
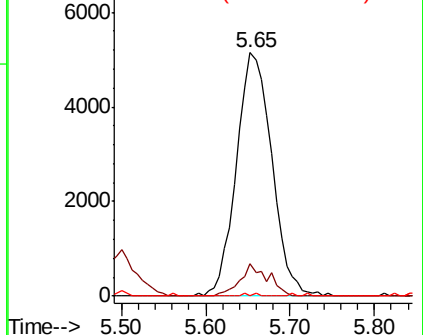
77 0.3 25.0 37.4#

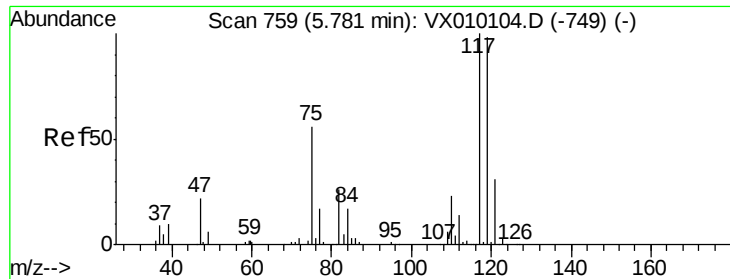


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.987 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20190607

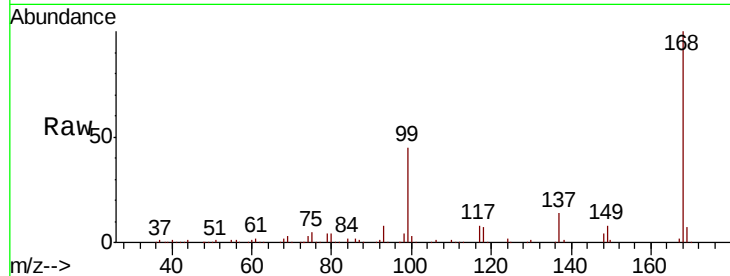
Tot Ion:117 Resp: 21010

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

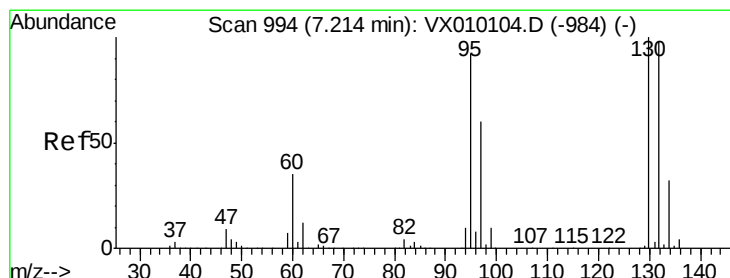
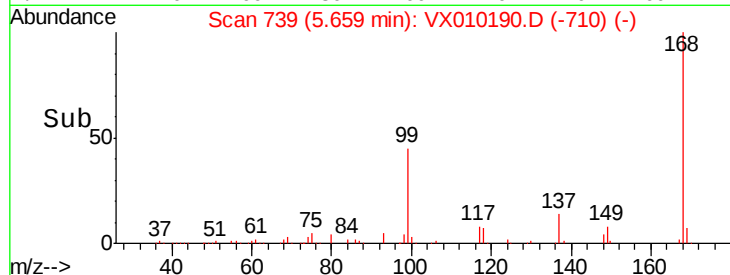
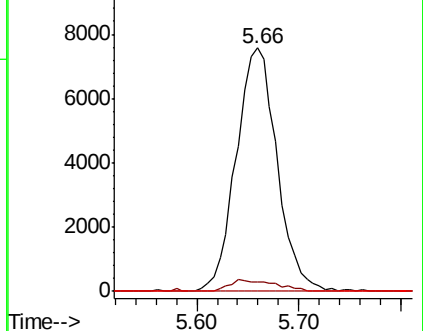
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 0.420 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010190.D

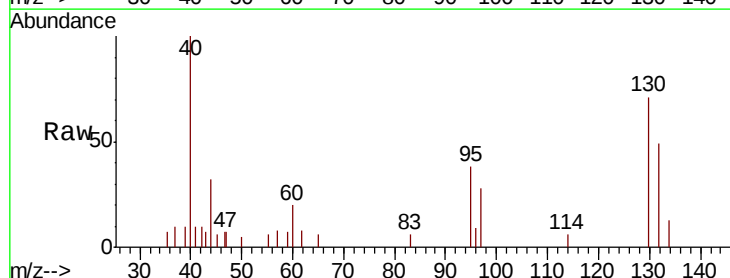
Acq: 10 Jun 2019 20:03

Tgt Ion:130 Resp: 1213

Ion Ratio Lower Upper

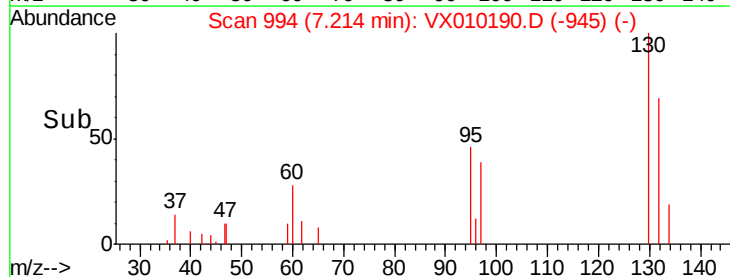
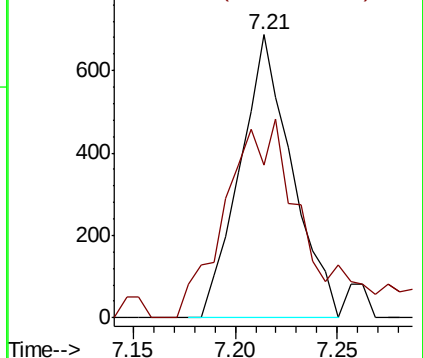
130 100

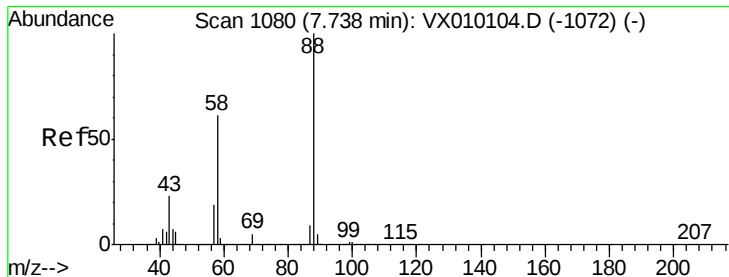
95 41.6 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

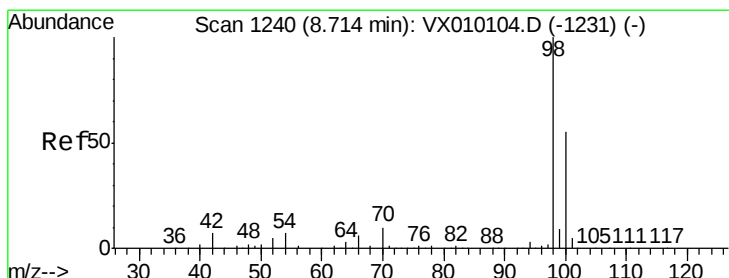
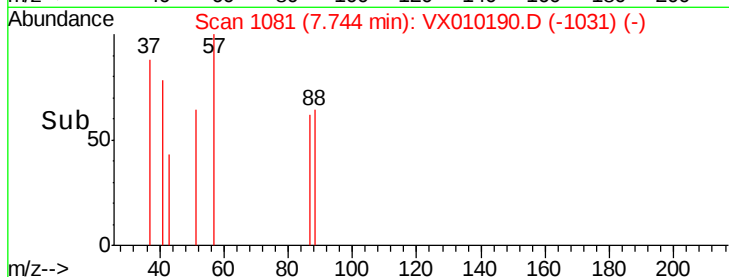
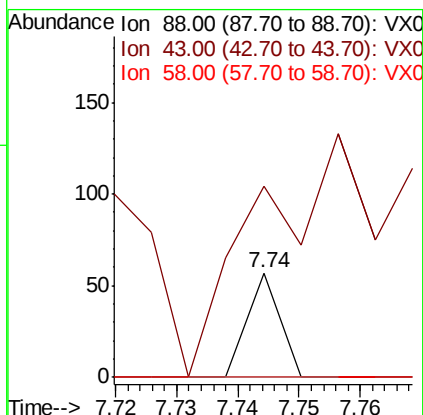
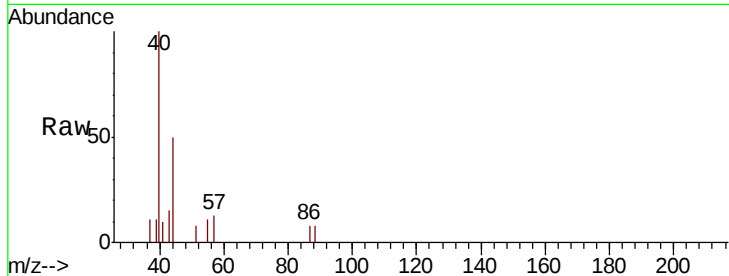




#49
1,4-Dioxane
Concen: 0.292 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010190.D
Acq: 10 Jun 2019 20:03

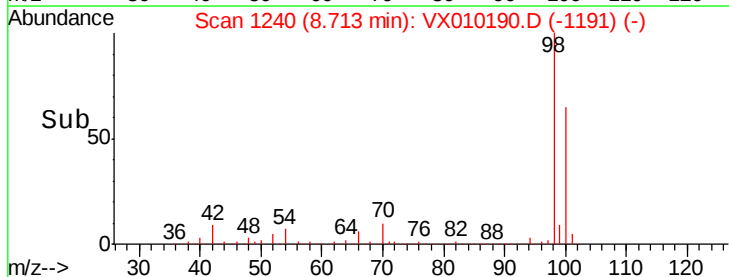
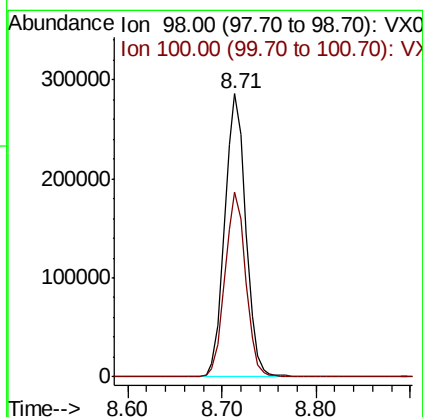
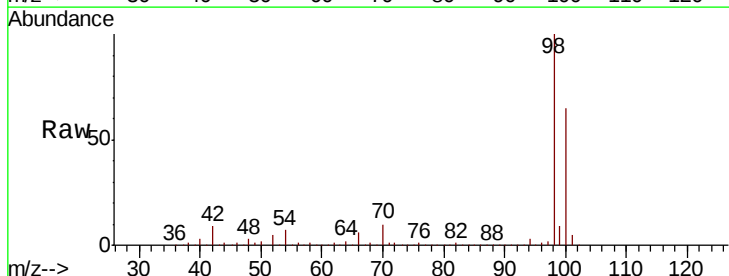
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30212-20190607

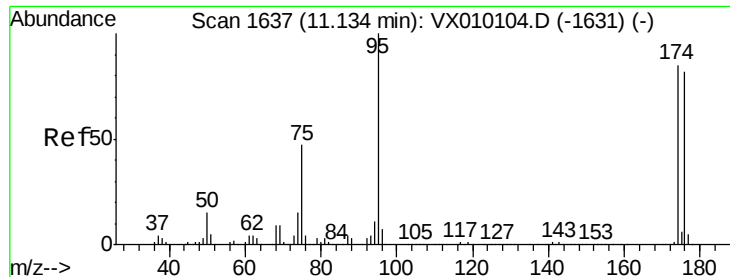
Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 781.0 30.2 45.4#
58 0.0 64.0 96.0#



#50
Toluene-d8
Concen: 50.556 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010190.D
Acq: 10 Jun 2019 20:03

Tgt Ion: 98 Resp: 444175
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 47.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20190607

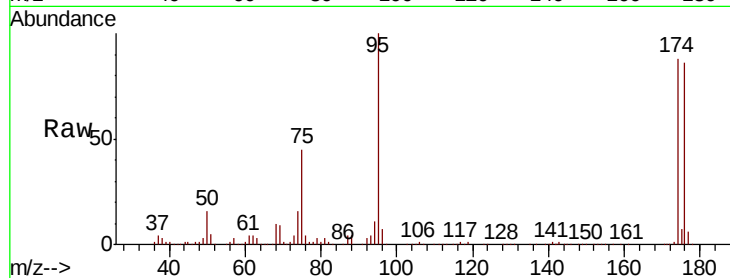
Tot Ion: 95 Resp: 156846

Ion Ratio Lower Upper

95 100

174 94.3 0.0 160.4

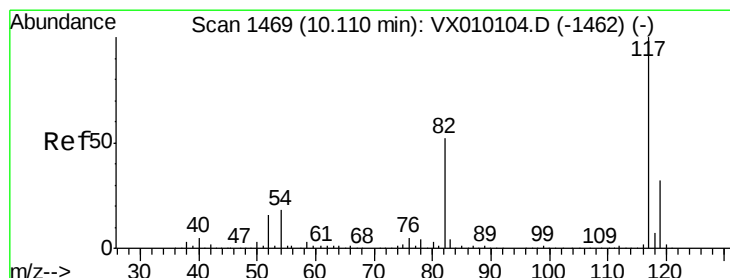
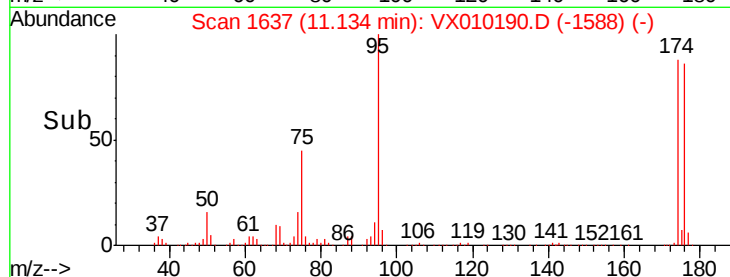
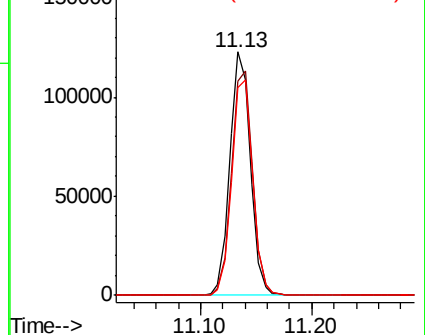
176 90.7 0.0 154.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

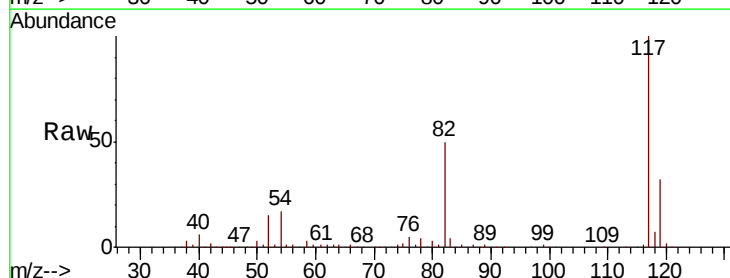
Tgt Ion: 117 Resp: 346601

Ion Ratio Lower Upper

117 100

82 50.3 49.2 73.8

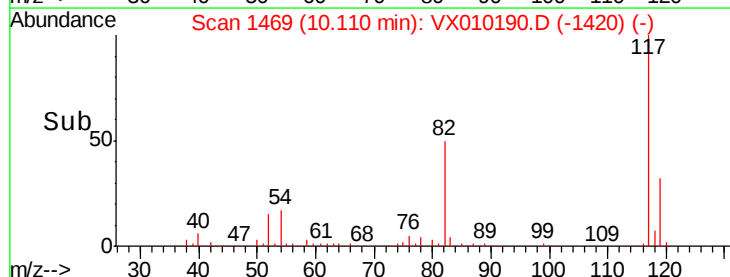
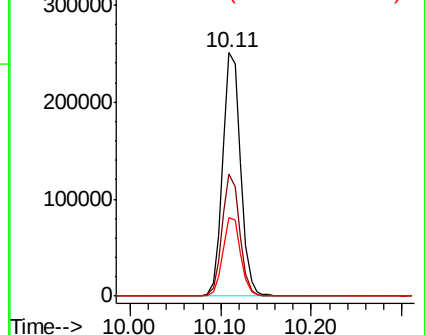
119 32.3 25.2 37.8

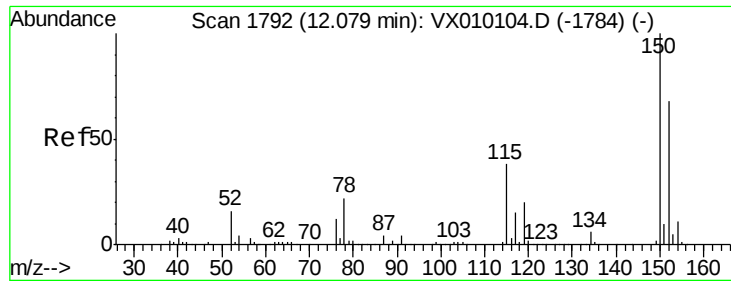


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20190607

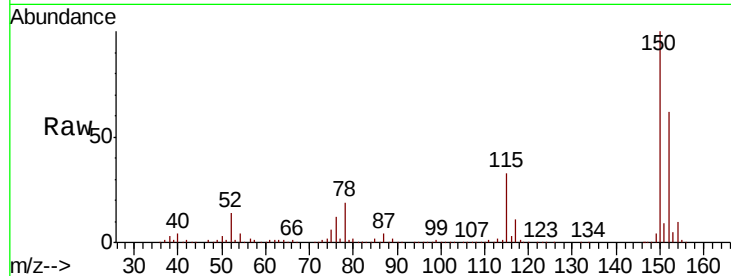
Tot Ion:152 Resp: 163820

Ion Ratio Lower Upper

152 100

115 54.8 41.4 124.2

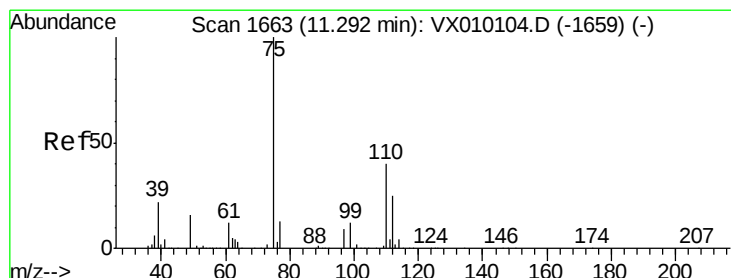
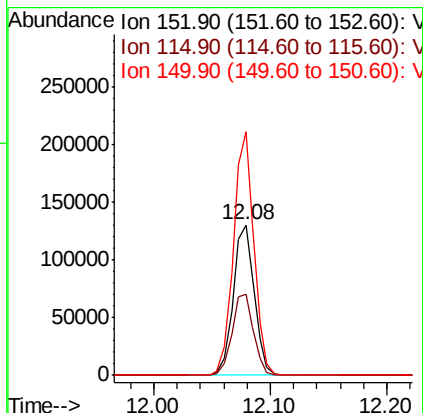
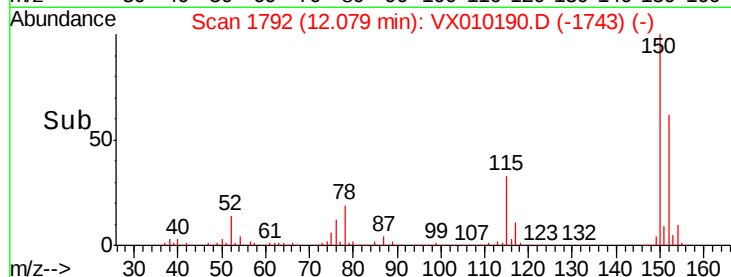
150 157.6 0.0 345.2



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: 21.292 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010190.D

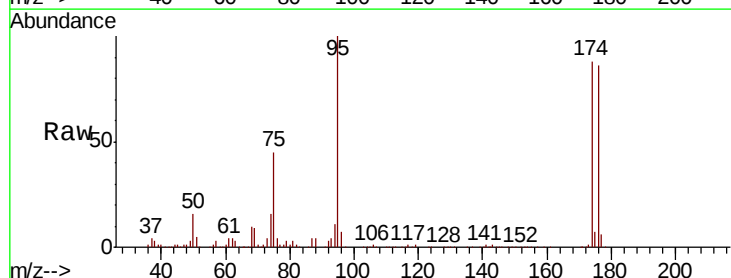
Acq: 10 Jun 2019 20:03

Tgt Ion: 75 Resp: 69767

Ion Ratio Lower Upper

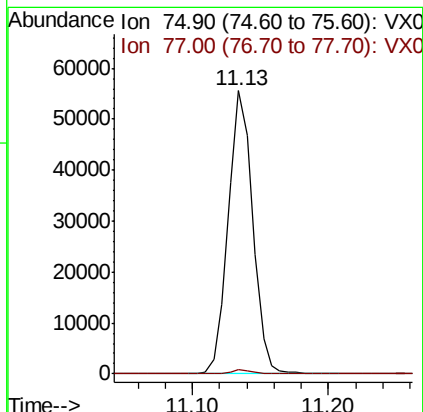
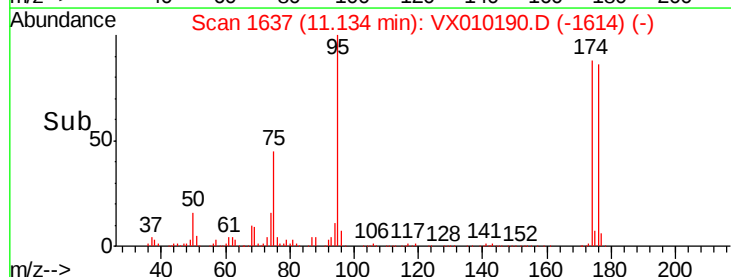
75 100

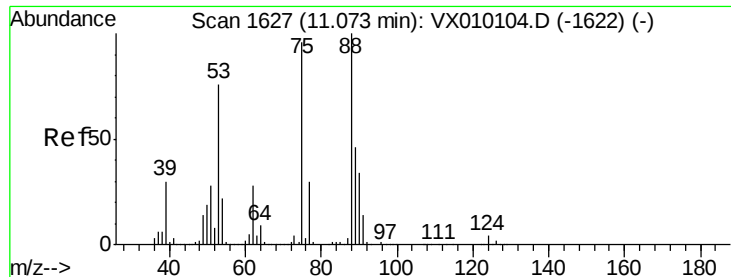
77 1.5 22.1 66.1#



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: 47.043 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010190.D

Acq: 10 Jun 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30212-20190607

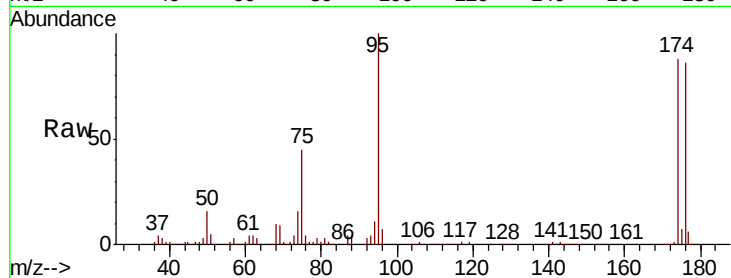
Tot Ion: 75 Resp: 69767

Ion Ratio Lower Upper

75 100

53 0.0 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

