

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\
 Data File : VX008368.D
 Acq On : 23 Mar 2019 22:26
 Operator : JC/SP
 Sample : K1937-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW202S-20190314

Quant Time: Mar 25 08:03:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	378790	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	325791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133791	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	163254	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	5.50	113	118596	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	8.71	98	478061	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	158915	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

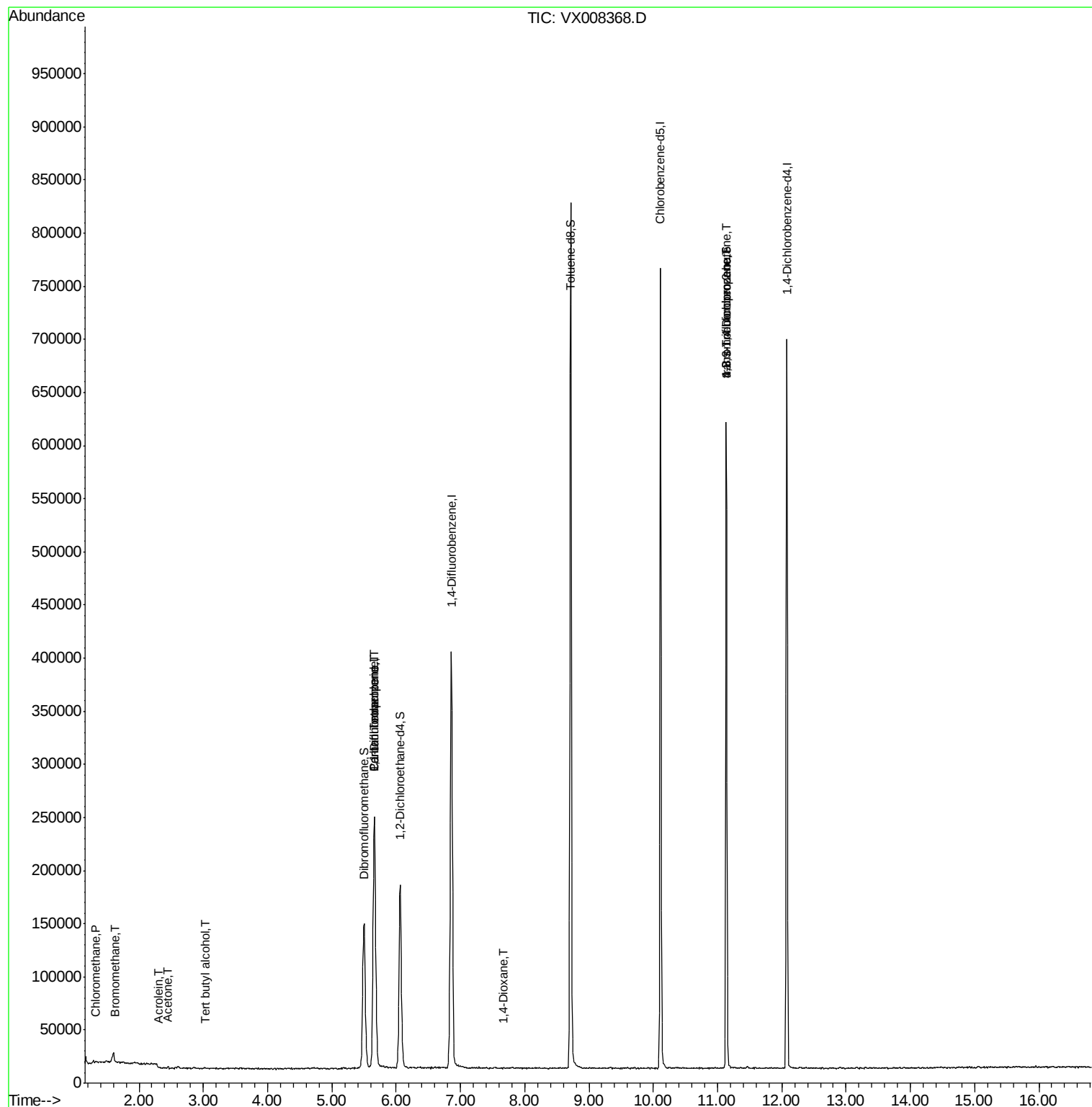
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	873	0.238	ug/l #	55
5) Bromomethane	1.64	94	456	0.202	ug/l #	30
11) Tert butyl alcohol	3.03	59	545	0.734	ug/l #	92
13) Acrolein	2.31	56	203	0.320	ug/l	97
16) Acetone	2.44	43	1513	0.908	ug/l	96
36) 1,1-Dichloropropene	5.66	75	19301	4.986	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22327	6.729	ug/l #	16
49) 1,4-Dioxane	7.66	88	22	0.265	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	82879	23.666	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	82879	67.443	ug/l #	12

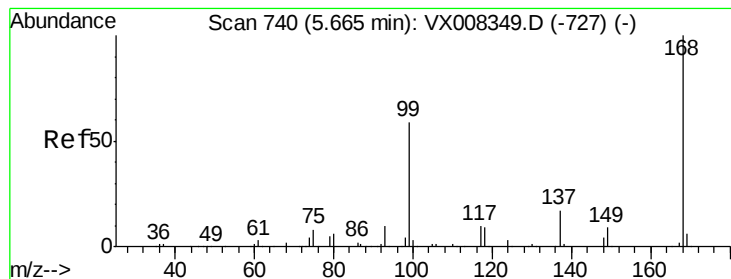
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

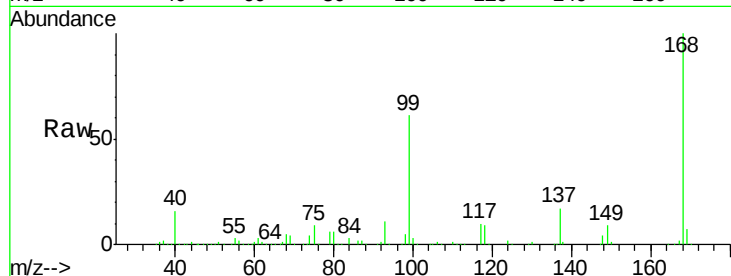
BPS1-TT-MW202S-20190314

Tot Ion:168 Resp: 218678

Ion Ratio Lower Upper

168 100

99 60.9 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

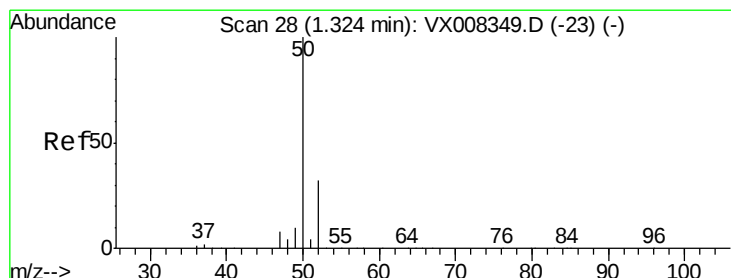
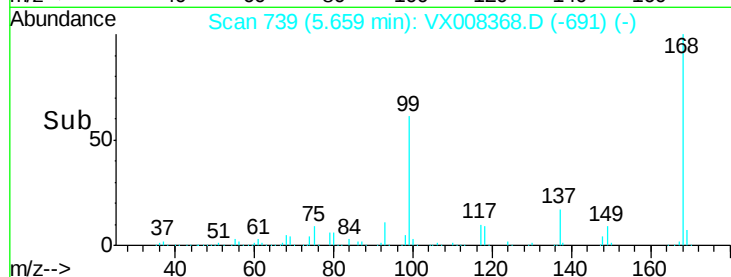
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008368.D

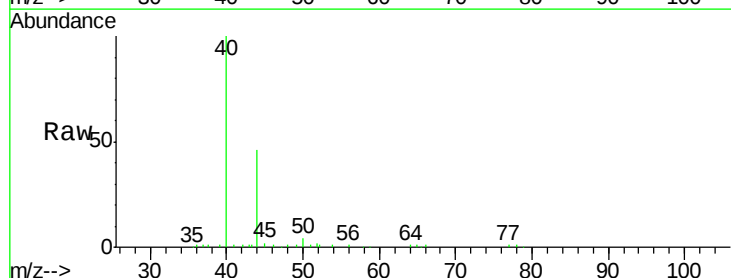
Acq: 23 Mar 2019 22:26

Tgt Ion: 50 Resp: 873

Ion Ratio Lower Upper

50 100

52 58.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

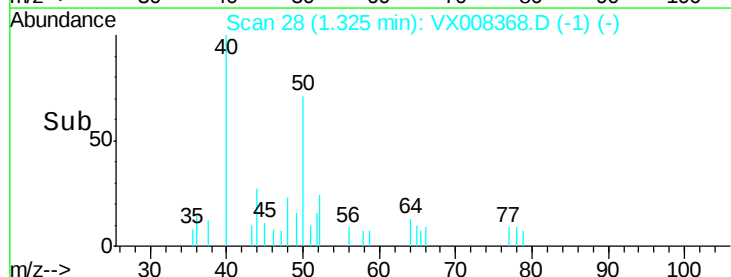
200

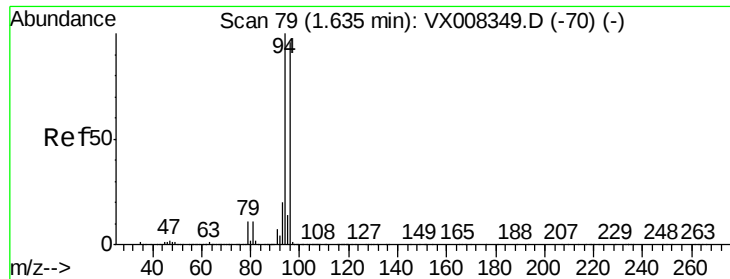
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.202 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

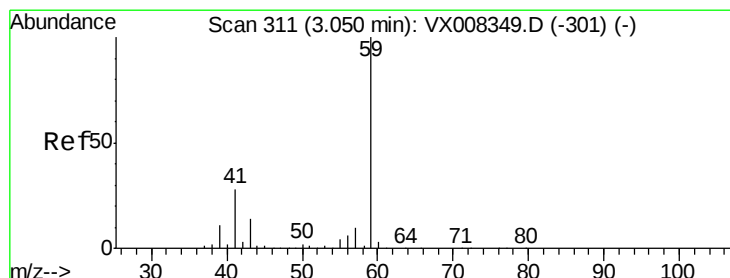
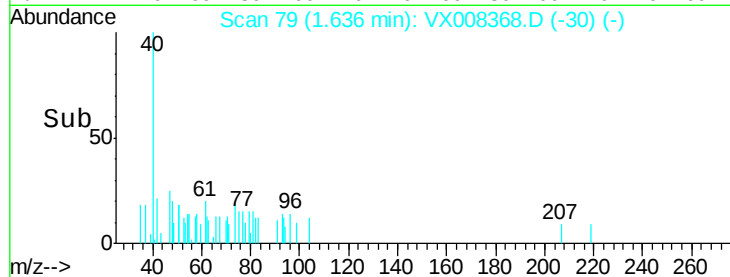
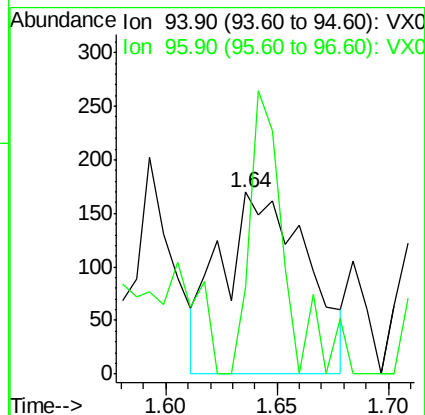
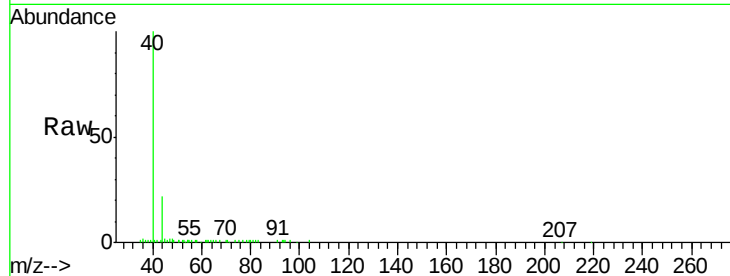
BPS1-TT-MW202S-20190314

Tot Ion: 94 Resp: 456

Ion Ratio Lower Upper

94 100

96 26.4 75.5 113.3#



#11

Tert butyl alcohol

Concen: 0.734 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX008368.D

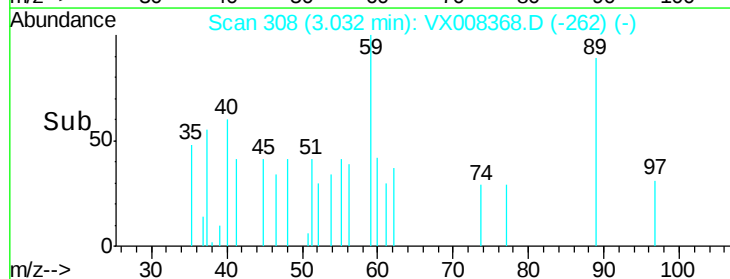
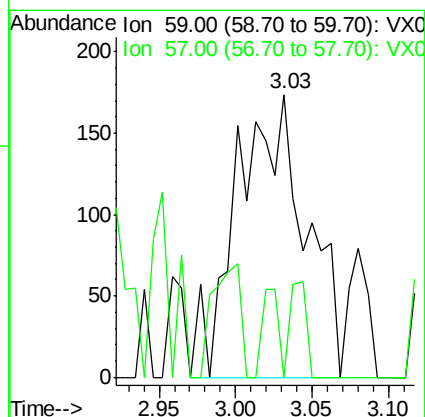
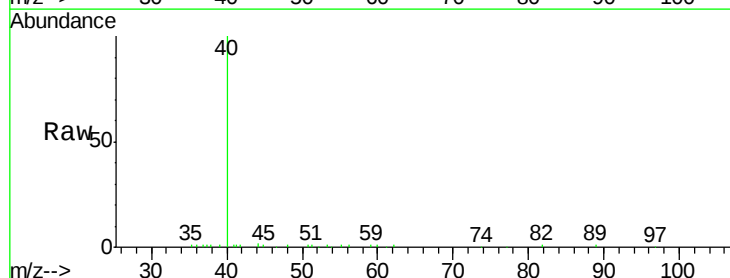
Acq: 23 Mar 2019 22:26

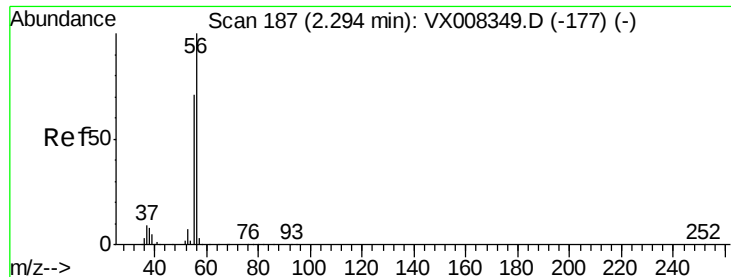
Tgt Ion: 59 Resp: 545

Ion Ratio Lower Upper

59 100

57 7.2 8.2 12.2#





#13

Acrolein

Concen: 0.320 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

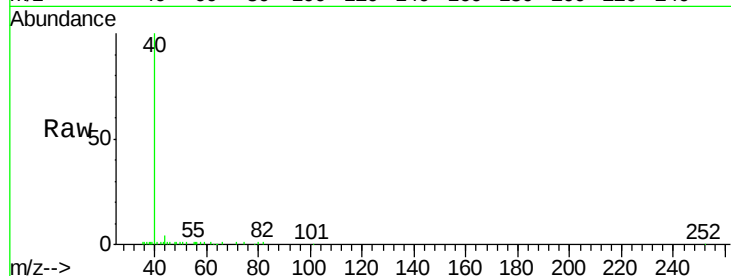
BPS1-TT-MW202S-20190314

Tot Ion: 56 Resp: 203

Ion Ratio Lower Upper

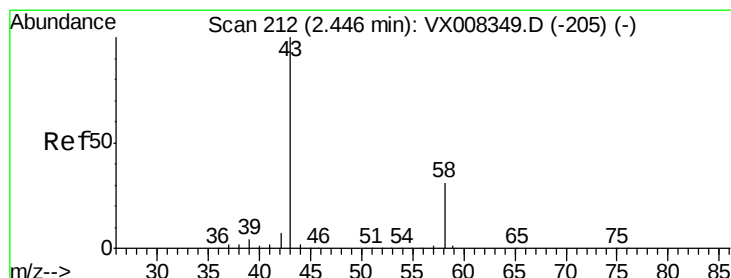
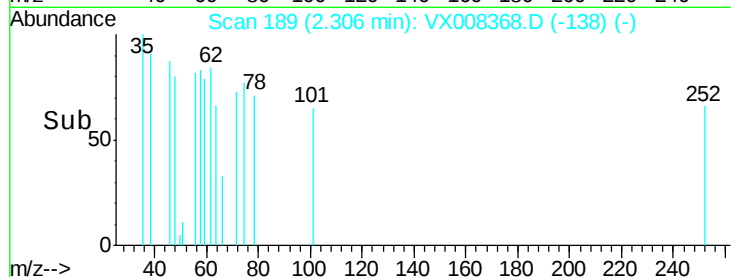
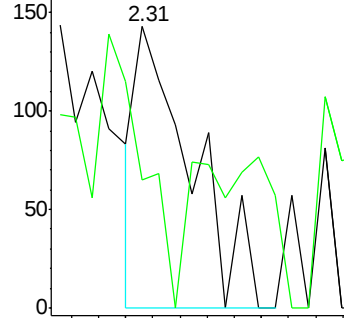
56 100

55 70.0 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.908 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008368.D

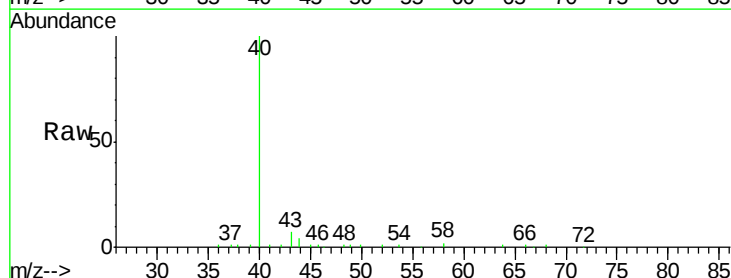
Acq: 23 Mar 2019 22:26

Tgt Ion: 43 Resp: 1513

Ion Ratio Lower Upper

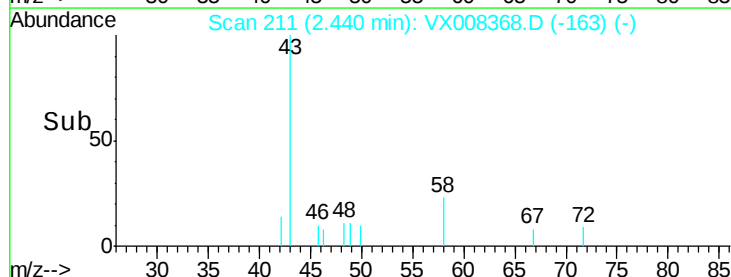
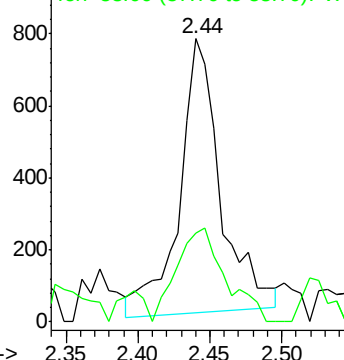
43 100

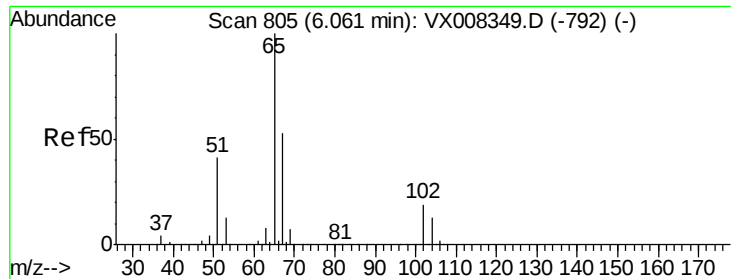
58 34.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.948 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

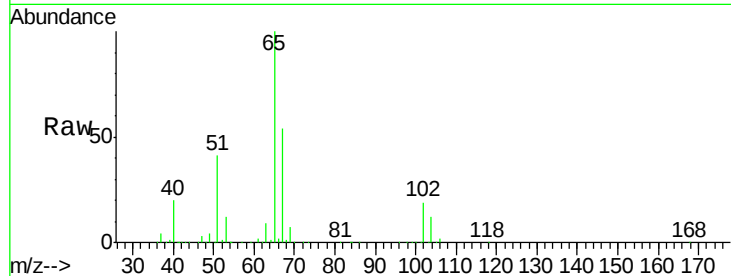
BPS1-TT-MW202S-20190314

Tot Ion: 65 Resp: 163254

Ion Ratio Lower Upper

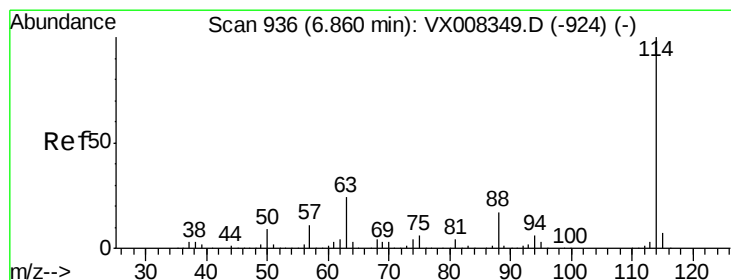
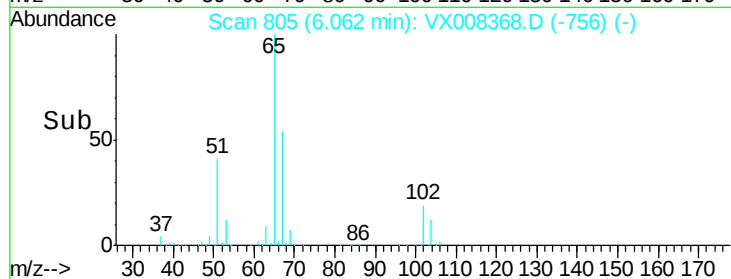
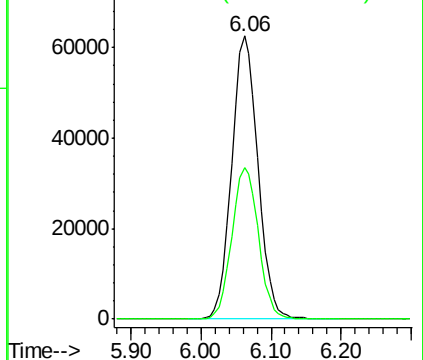
65 100

67 54.2 0.0 110.0



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: VX008368.D

Acq: 23 Mar 2019 22:26

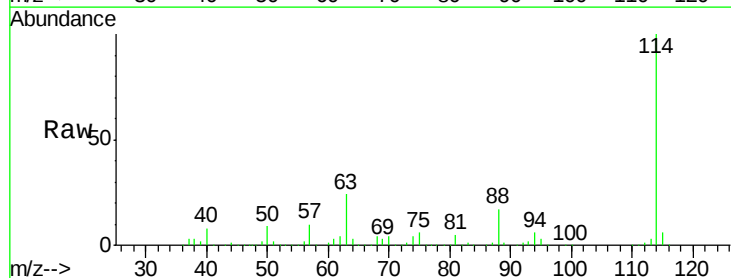
Tgt Ion: 114 Resp: 378790

Ion Ratio Lower Upper

114 100

63 24.3 0.0 39.8

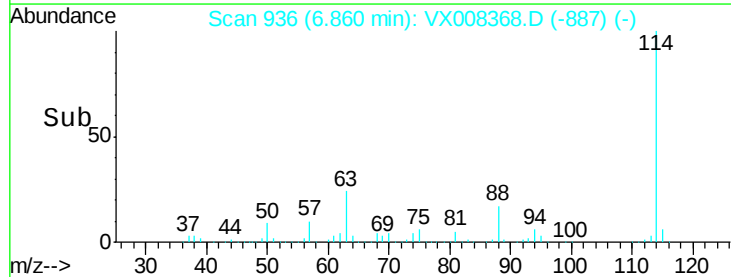
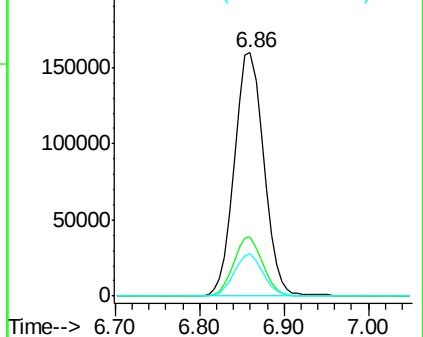
88 17.4 0.0 31.4

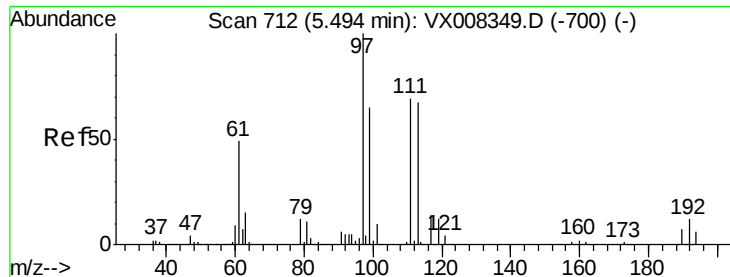


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.324 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW202S-20190314

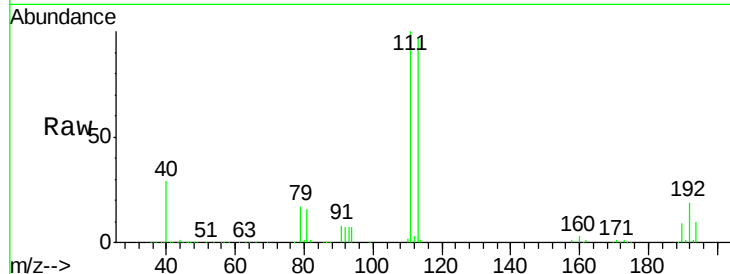
Tot Ion:113 Resp: 118596

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

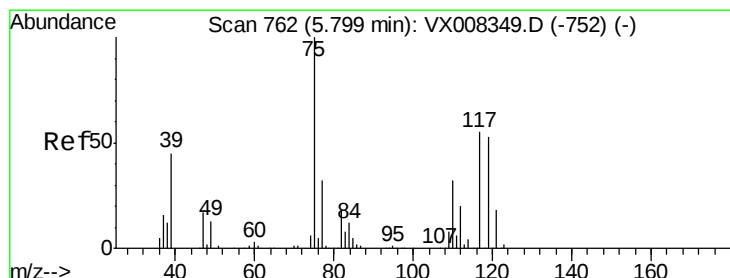
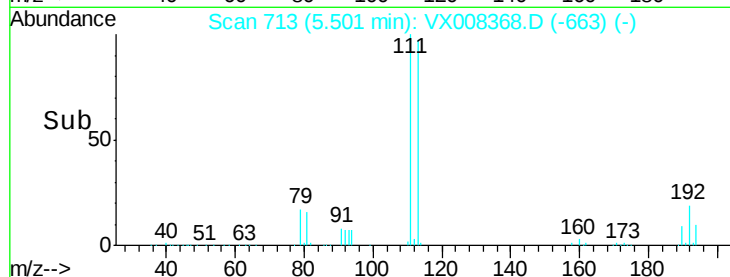
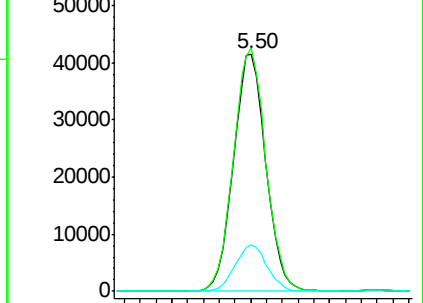
192 19.4 19.4 29.0



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: 4.986 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

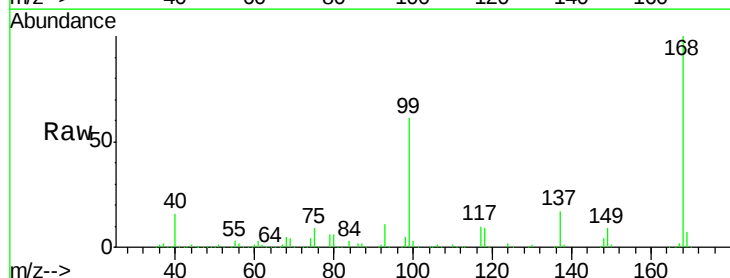
Tgt Ion: 75 Resp: 19301

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.0#

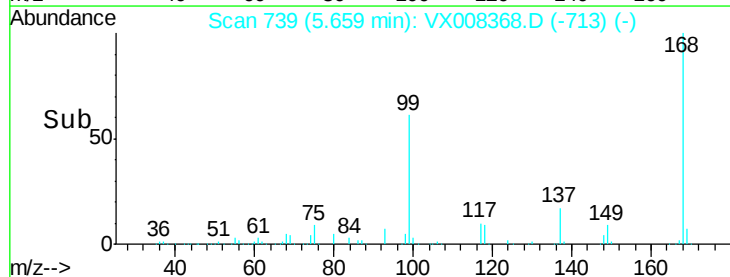
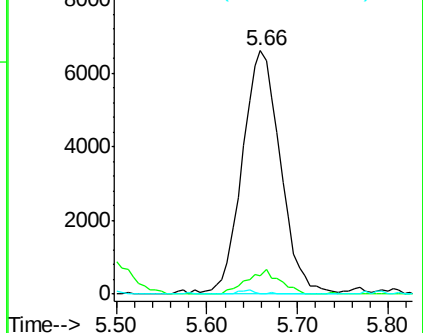
77 0.1 25.0 37.4#

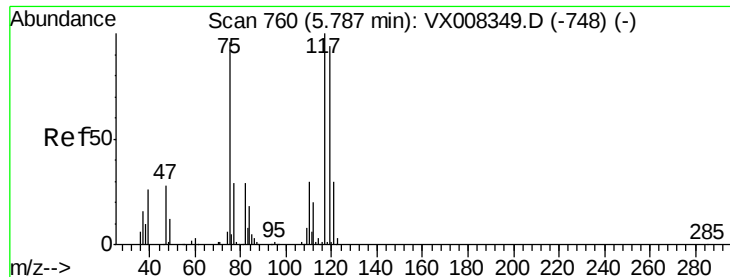


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.729 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW202S-20190314

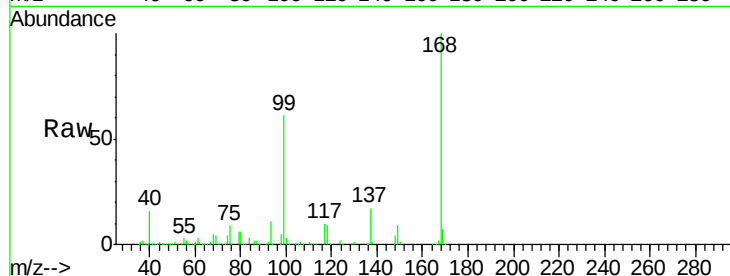
Tot Ion:117 Resp: 22327

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

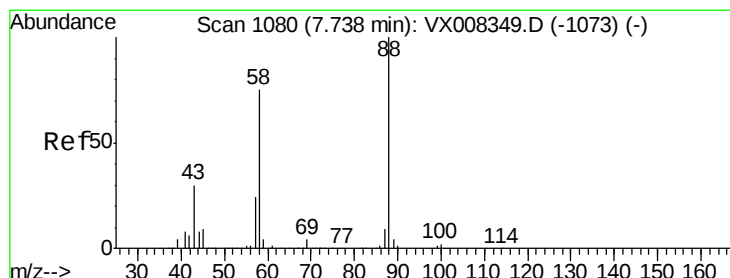
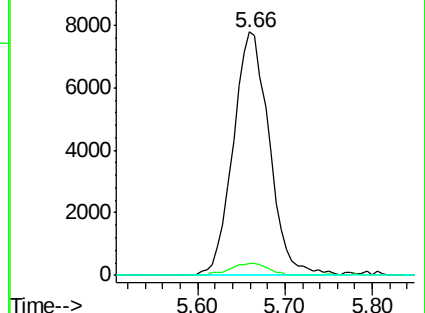
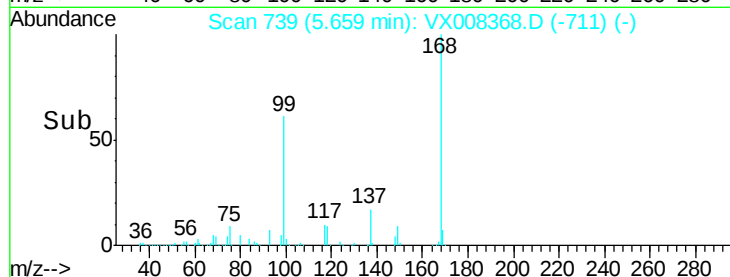
121 0.0 24.6 36.8#



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: 0.265 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.07 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

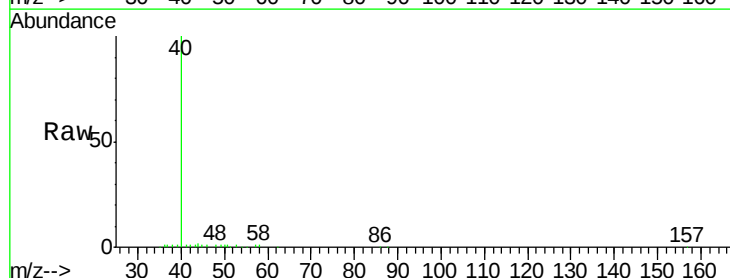
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

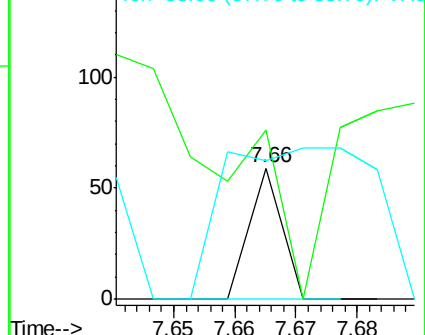
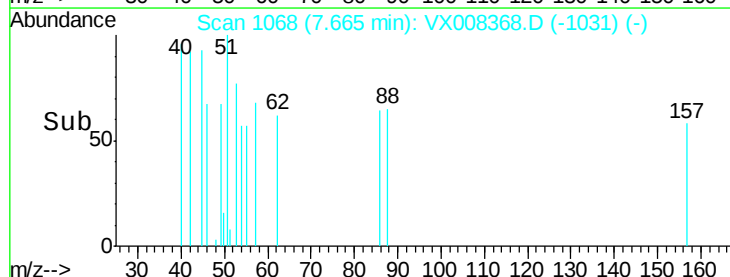
58 536.4 57.8 86.6#

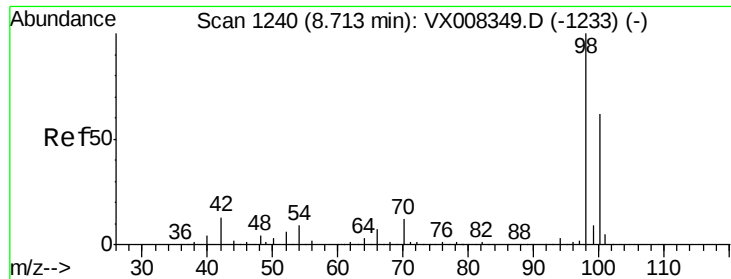


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.250 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

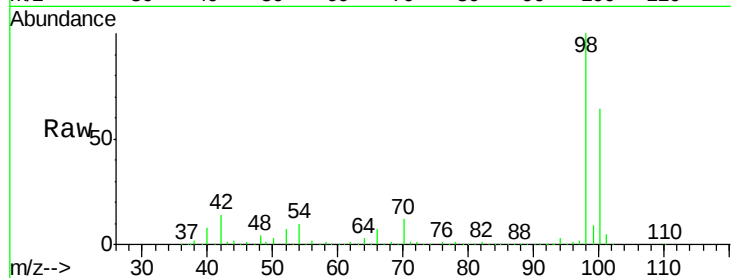
BPS1-TT-MW202S-20190314

Tot Ion: 98 Resp: 478061

Ion Ratio Lower Upper

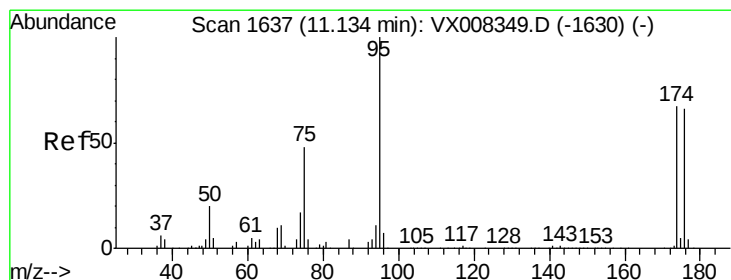
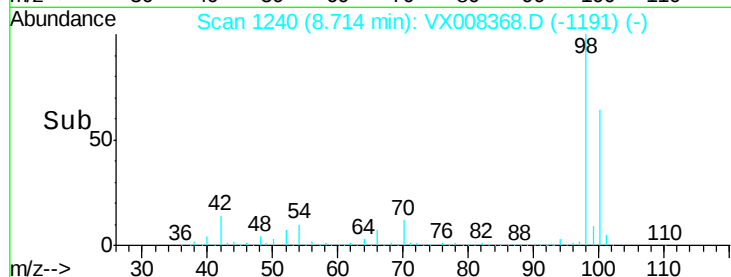
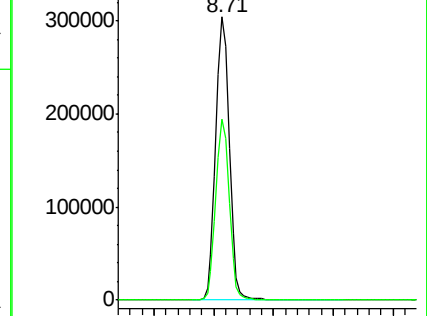
98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.589 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

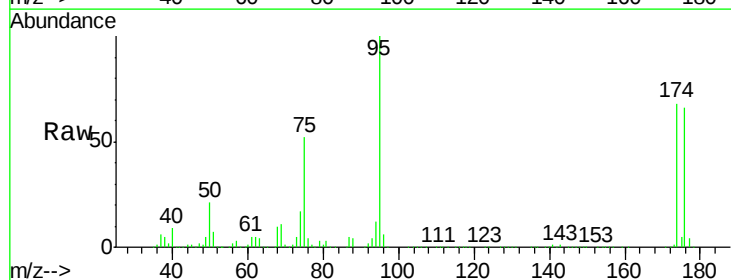
Tgt Ion: 95 Resp: 158915

Ion Ratio Lower Upper

95 100

174 73.1 0.0 182.8

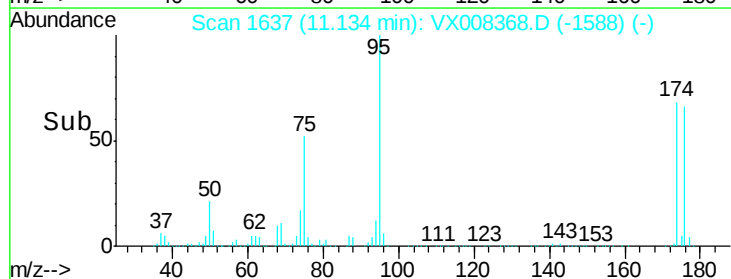
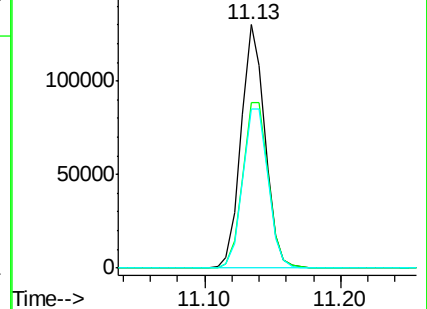
176 70.3 0.0 178.0

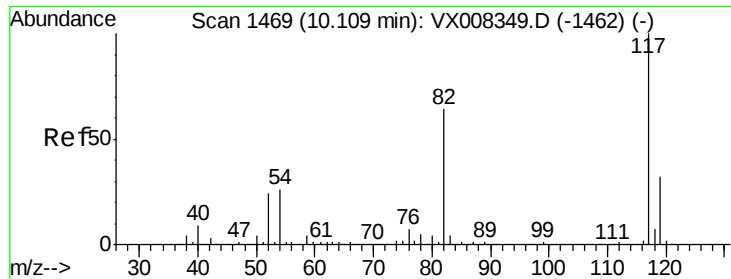


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

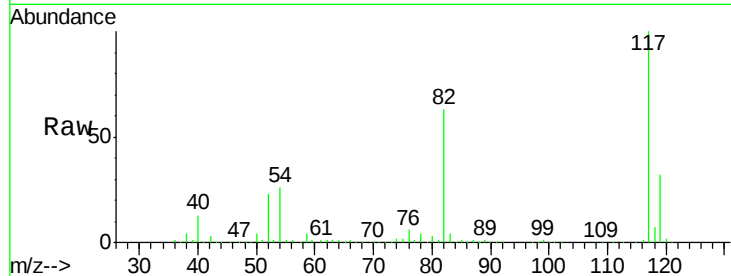




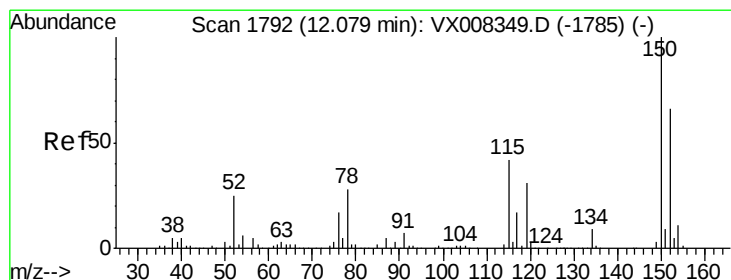
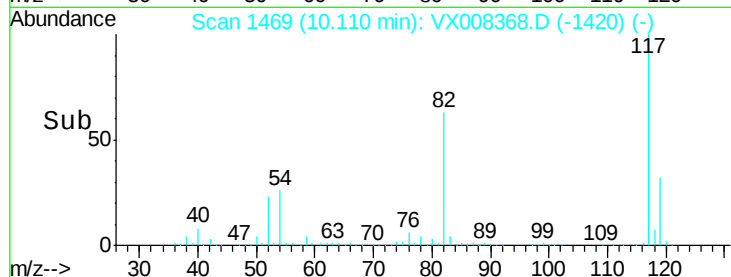
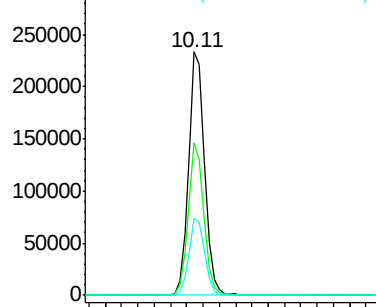
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008368.D
Acq: 23 Mar 2019 22:26

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW202S-20190314

Tot Ion:117 Resp: 325791
Ion Ratio Lower Upper
117 100
82 62.8 44.3 66.5
119 31.7 25.3 37.9

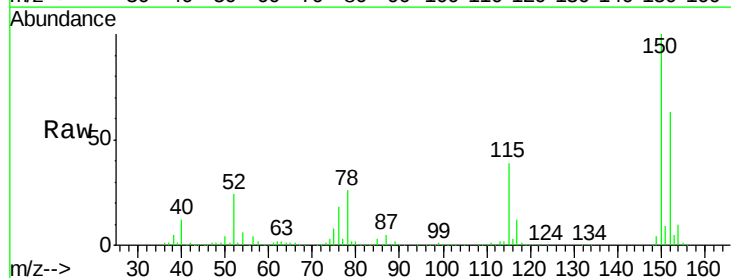


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

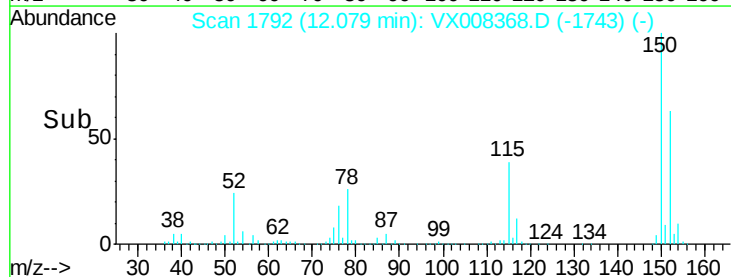
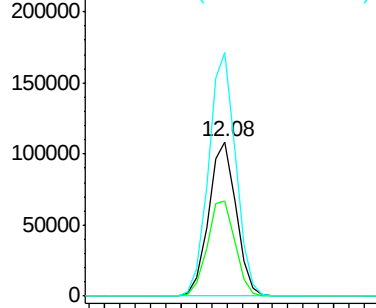


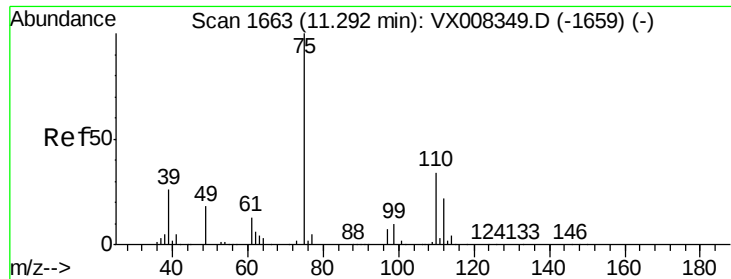
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008368.D
Acq: 23 Mar 2019 22:26

Tgt Ion:152 Resp: 133791
Ion Ratio Lower Upper
152 100
115 63.0 38.6 115.7
150 157.2 0.0 348.4



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: 23.666 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

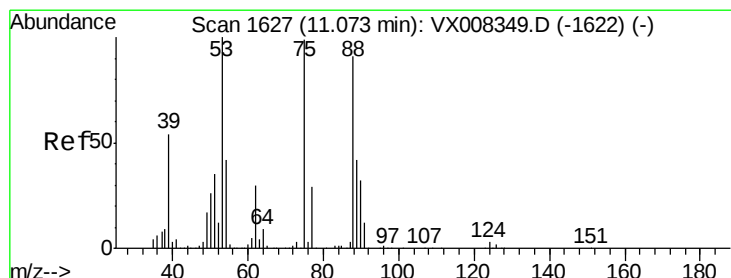
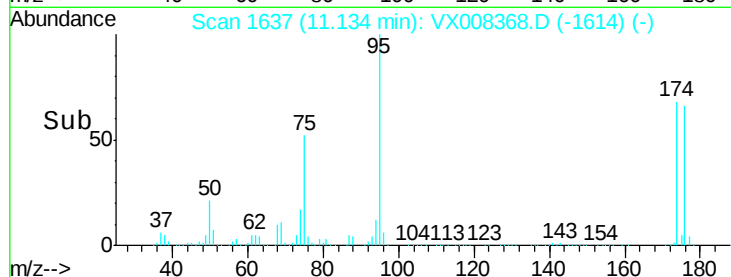
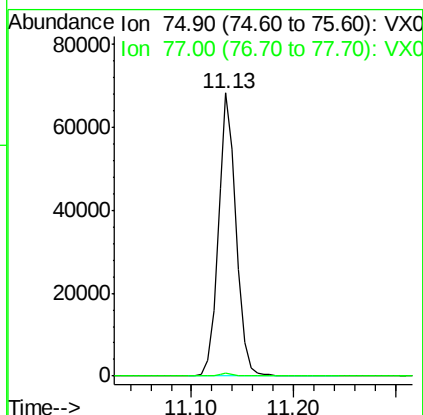
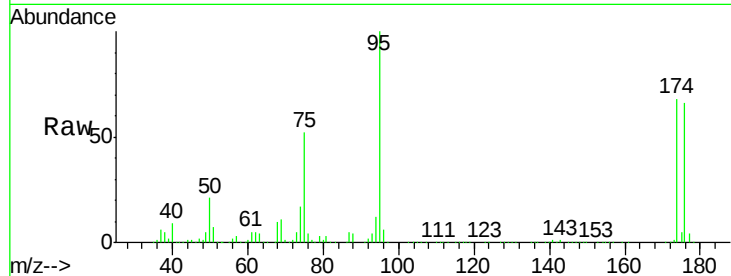
BPS1-TT-MW202S-20190314

Tot Ion: 75 Resp: 82879

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.443 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008368.D

Acq: 23 Mar 2019 22:26

Tgt Ion: 75 Resp: 82879

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.3 54.5#

