

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008438.D
 Acq On : 26 Mar 2019 02:25
 Operator : JC/SP
 Sample : K2059-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Mar 26 06:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	228166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139521	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	164787	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	5.50	113	121548	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.71	98	489181	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.13	95	165481	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	

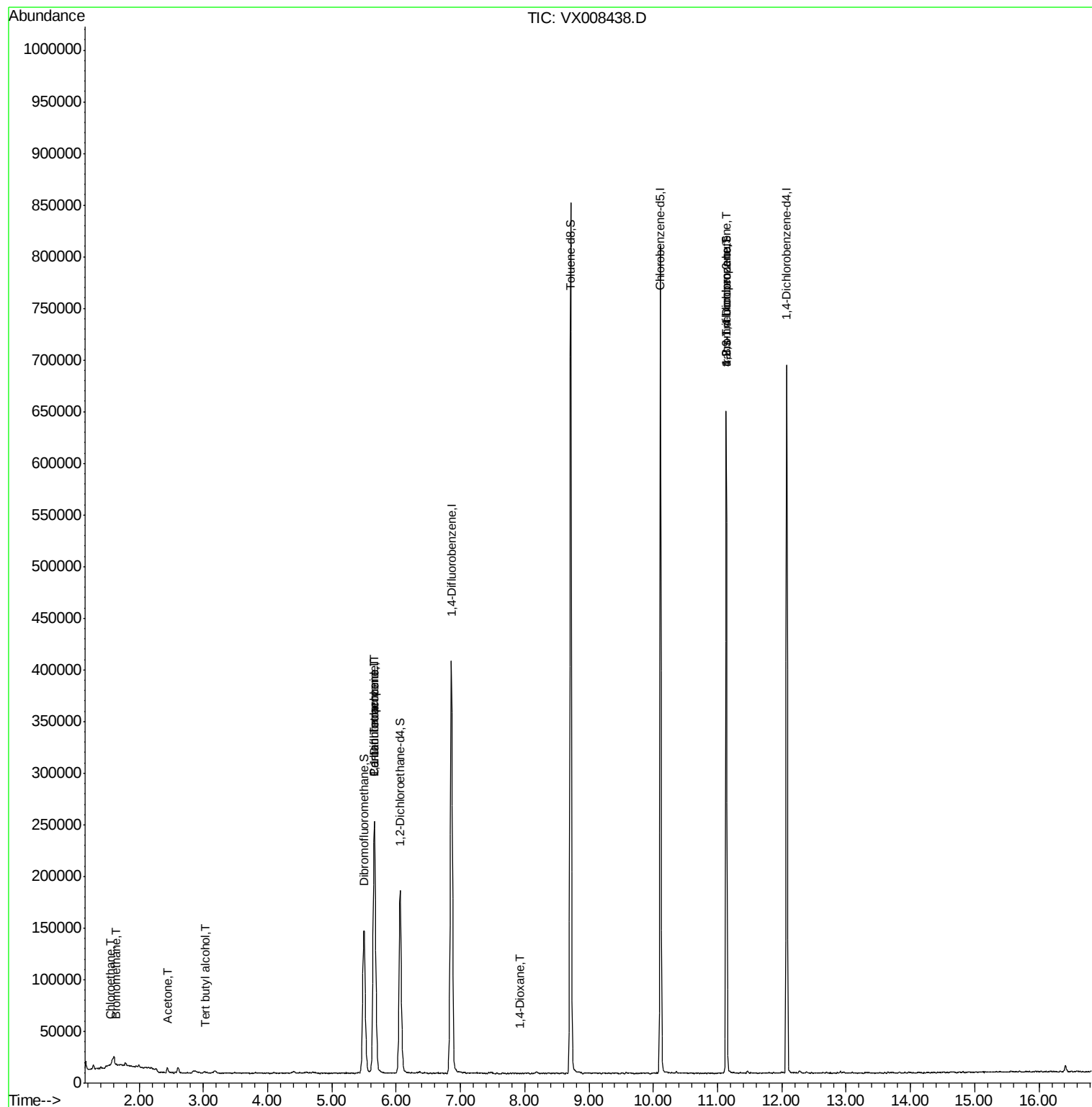
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	324	Below Cal	#	1
5) Bromomethane	1.65	94	186	1.899	ug/l #	26
6) Chloroethane	1.55	64	8151	3.664	ug/l #	56
11) Tert butyl alcohol	3.03	59	1161	1.515	ug/l	96
16) Acetone	2.44	43	5425	3.001	ug/l	97
20) Methylene Chloride	2.86	84	601	Below Cal		98
36) 1,1-Dichloropropene	5.66	75	19775	4.762	ug/l #	51
38) Carbon Tetrachloride	5.66	117	22923	6.615	ug/l #	16
49) 1,4-Dioxane	7.92	88	22	0.257	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	86690	20.900	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86690	66.940	ug/l #	9

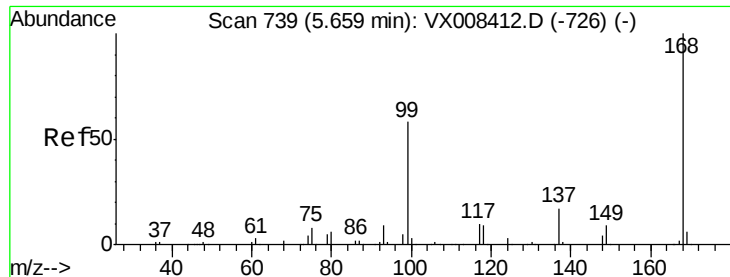
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032519\
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MSVOA_X
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Quant Time: Mar 26 06:09:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:58:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008438.D

Acq: 26 Mar 2019 02:25

Instrument :

MSVOA_X

ClientSampled :

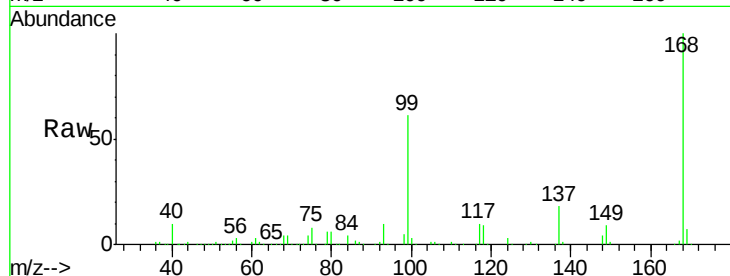
MW-1

Tot Ion:168 Resp: 228166

Ion Ratio Lower Upper

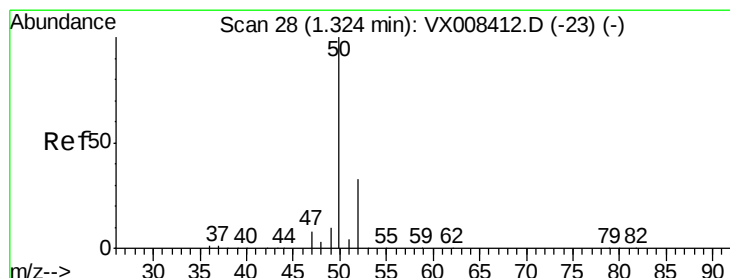
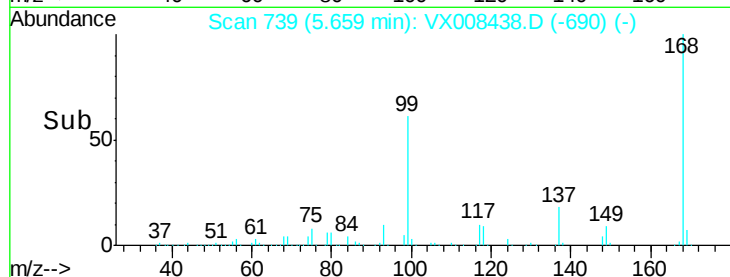
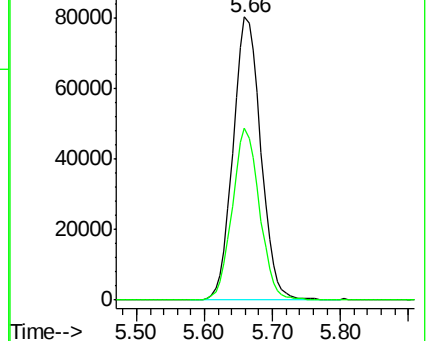
168 100

99 60.6 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008438.D

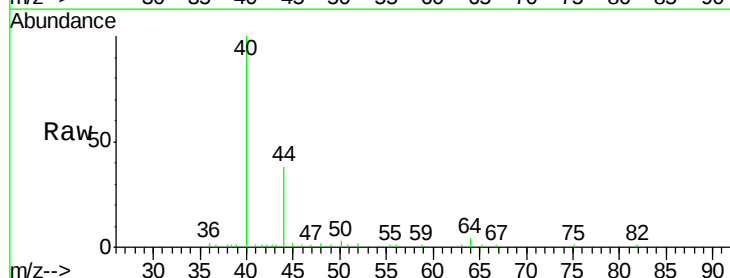
Acq: 26 Mar 2019 02:25

Tgt Ion: 50 Resp: 324

Ion Ratio Lower Upper

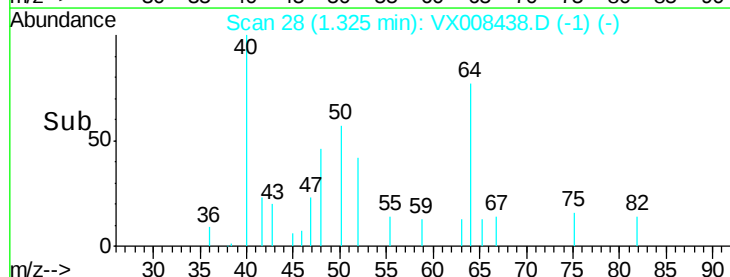
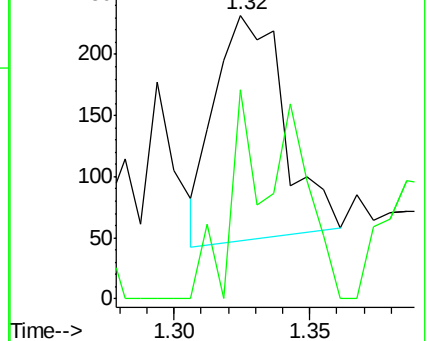
50 100

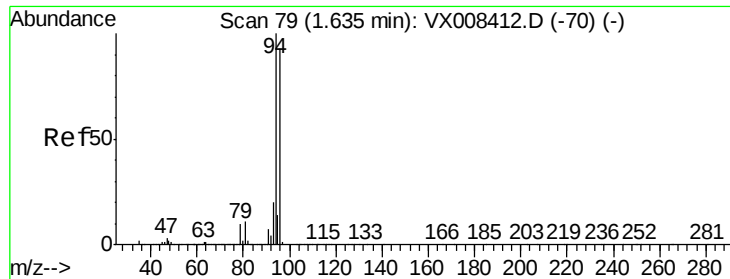
52 98.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.899 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008438.D

Acq: 26 Mar 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

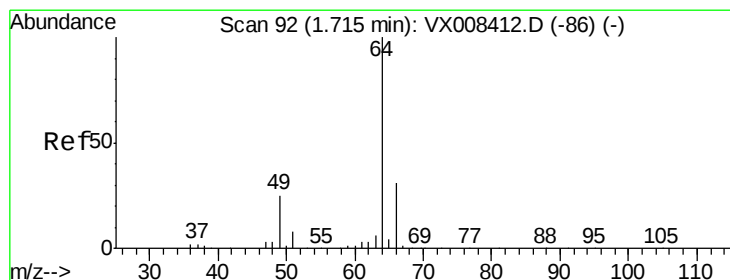
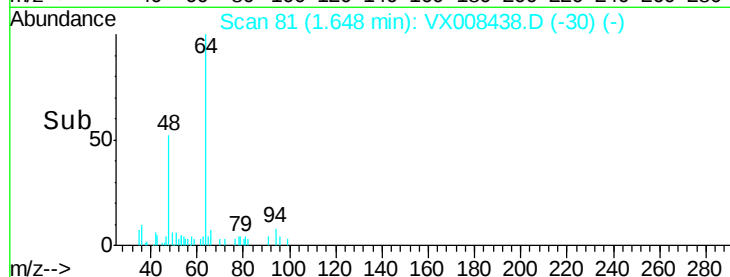
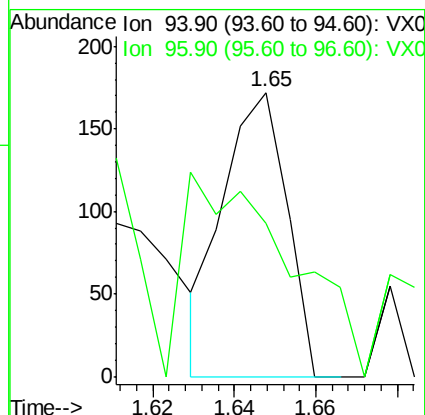
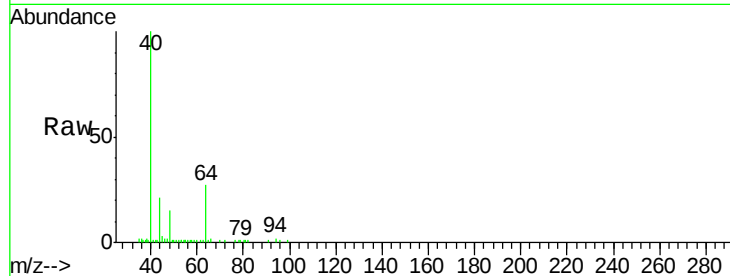
MW-1

Tot Ion: 94 Resp: 186

Ion Ratio Lower Upper

94 100

96 22.7 74.8 112.2#



#6

Chloroethane

Concen: 3.664 ug/l

RT: 1.55 min Scan# 65

Delta R.T. -0.16 min

Lab File: VX008438.D

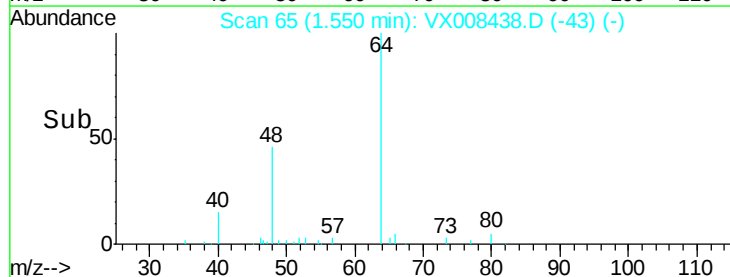
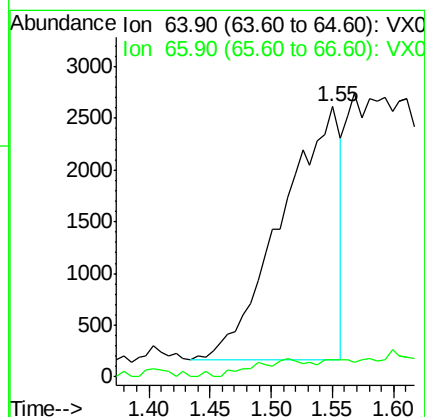
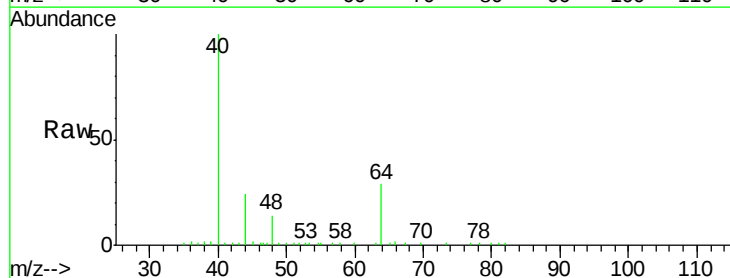
Acq: 26 Mar 2019 02:25

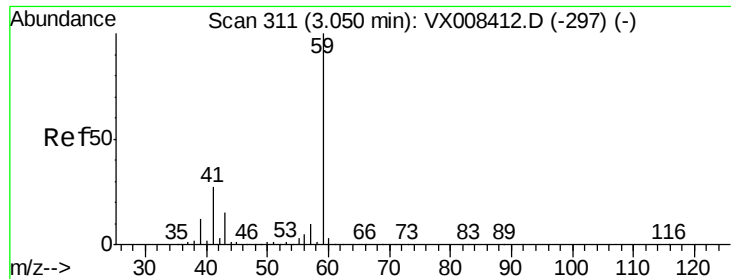
Tgt Ion: 64 Resp: 8151

Ion Ratio Lower Upper

64 100

66 7.0 25.1 37.7#

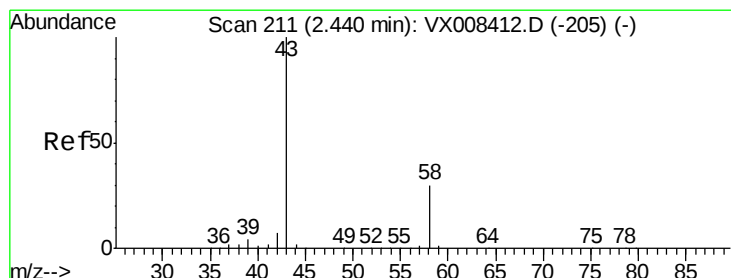
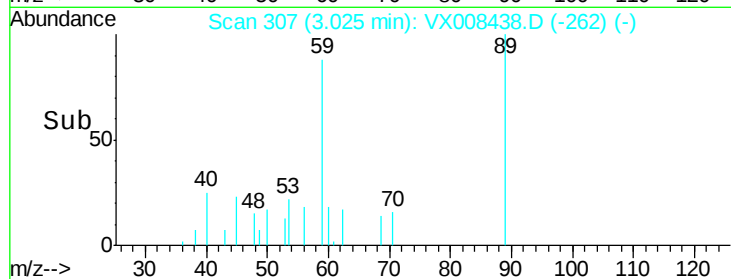
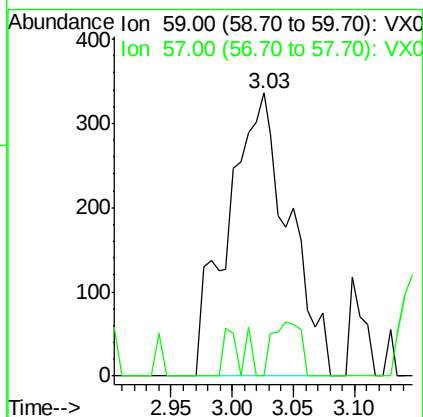
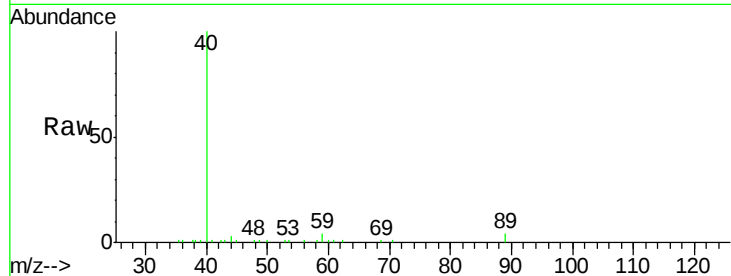




#11
Tert butyl alcohol
Concen: 1.515 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008438.D
Acq: 26 Mar 2019 02:25

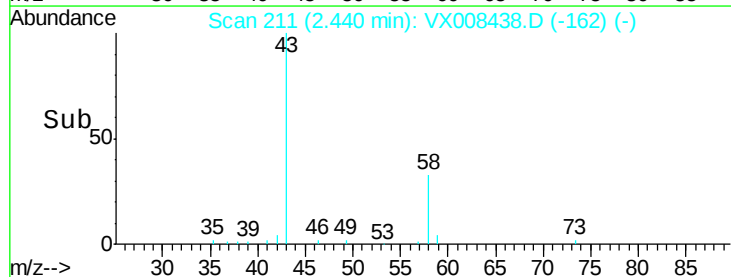
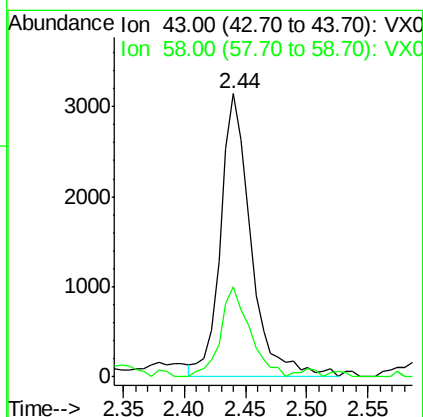
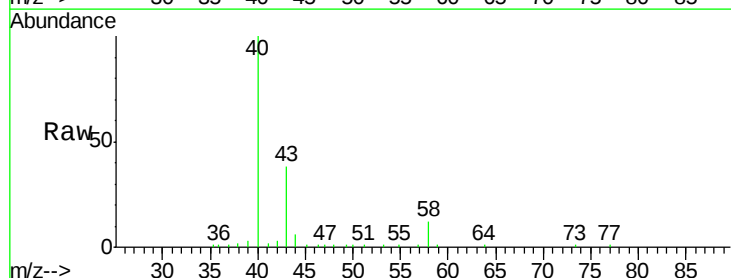
Instrument :
MSVOA_X
ClientSampled :
MW-1

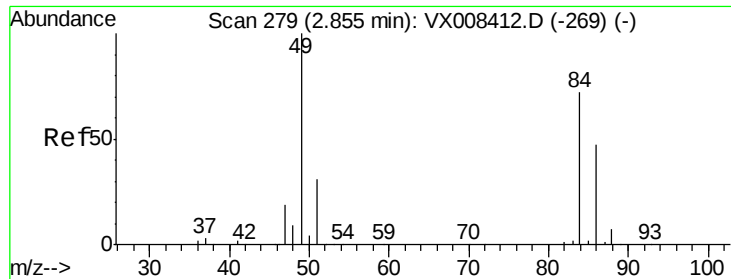
Tot Ion: 59 Resp: 1161
Ion Ratio Lower Upper
59 100
57 9.0 8.2 12.4



#16
Acetone
Concen: 3.001 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX008438.D
Acq: 26 Mar 2019 02:25

Tgt Ion: 43 Resp: 5425
Ion Ratio Lower Upper
43 100
58 32.0 24.2 36.2

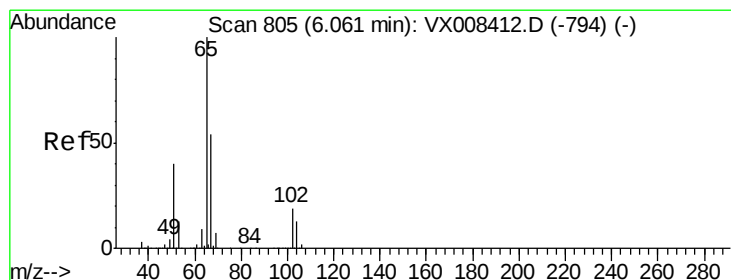
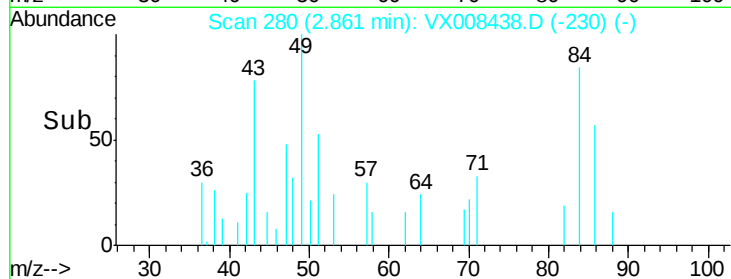
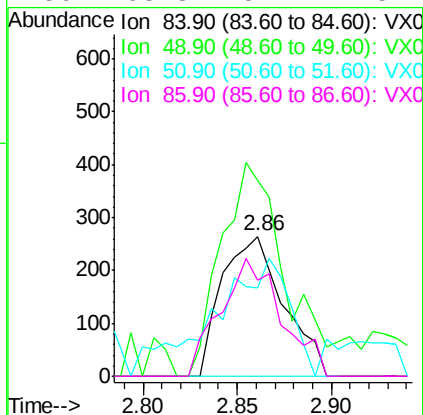
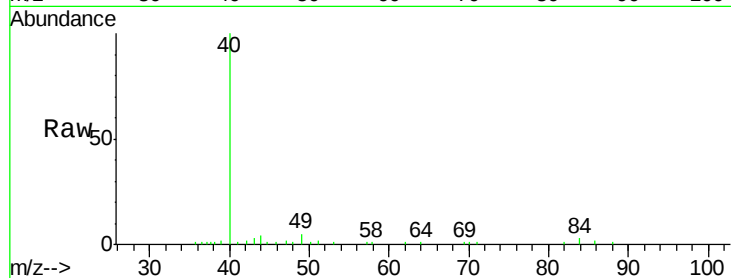




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008438.D
Acq: 26 Mar 2019 02:25

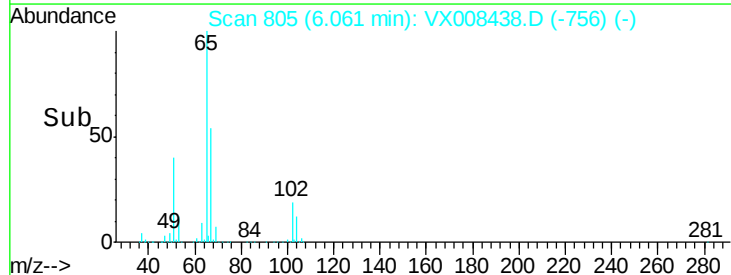
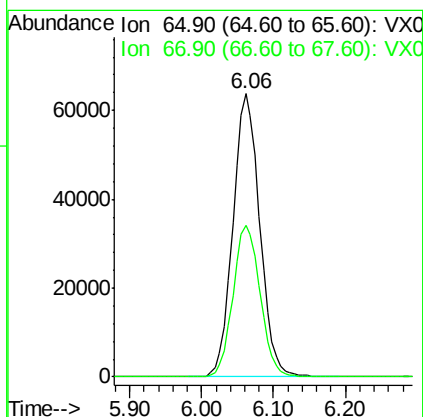
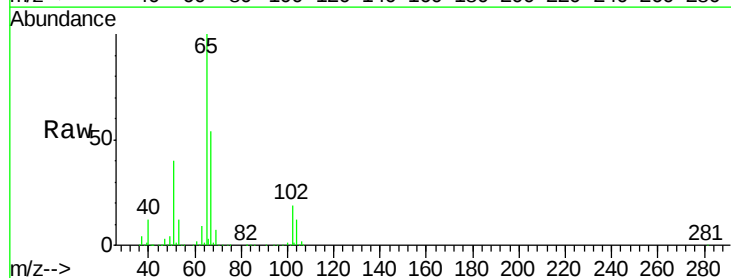
Instrument :
MSVOA_X
ClientSampled :
MW-1

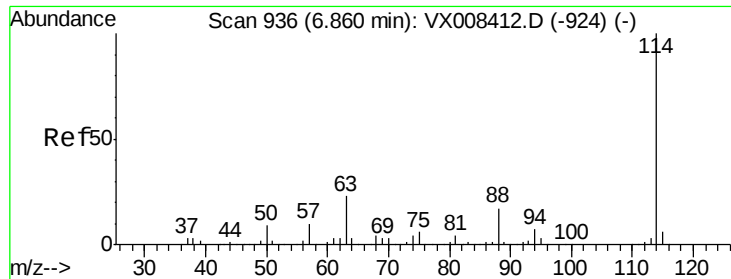
Tot Ion: 84 Resp: 601
Ion Ratio Lower Upper
84 100
49 139.6 110.6 165.8
51 44.2 33.9 50.9
86 68.3 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 47.639 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008438.D
Acq: 26 Mar 2019 02:25

Tgt Ion: 65 Resp: 164787
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.4

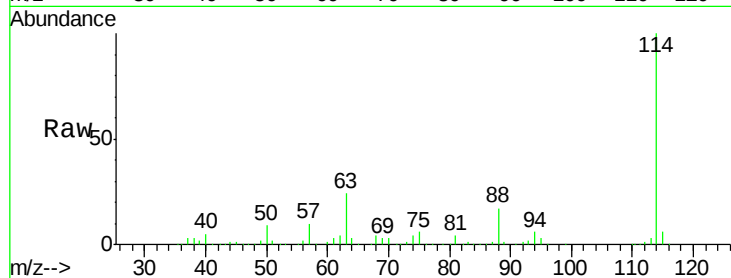




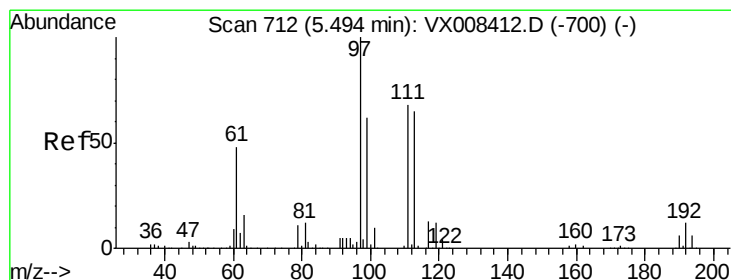
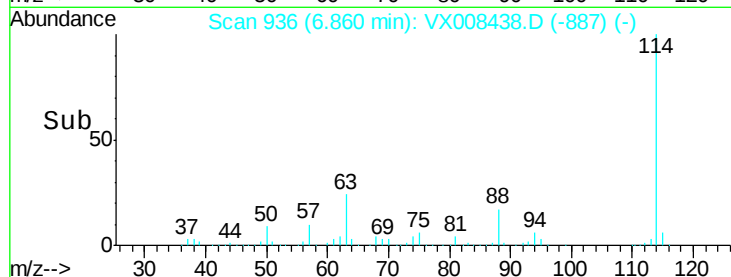
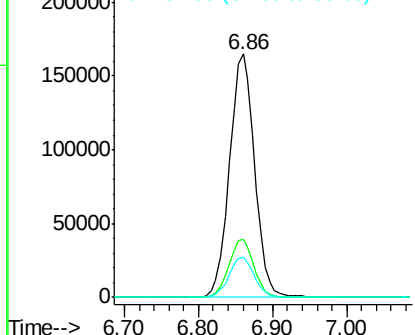
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008438.D
 Acq: 26 Mar 2019 02:25

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Tot Ion:114 Resp: 389447
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.4
 88 16.6 0.0 33.2

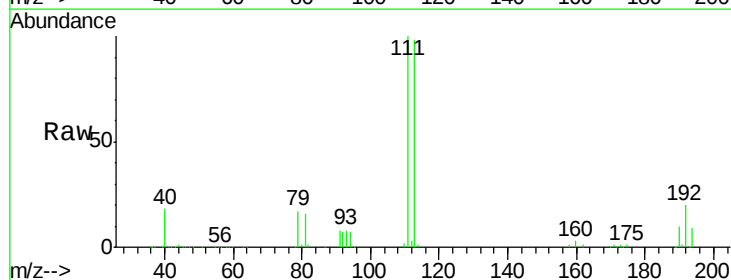


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

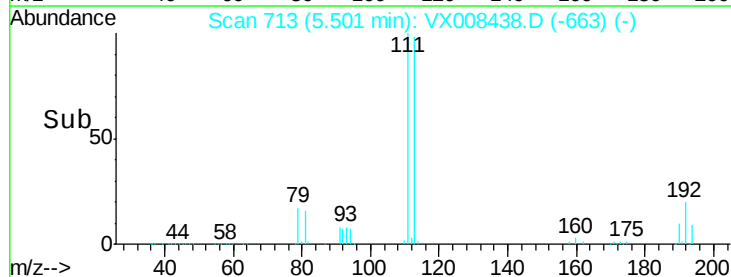
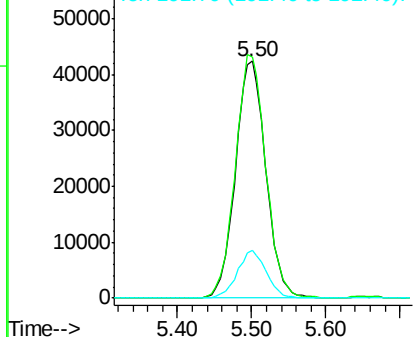


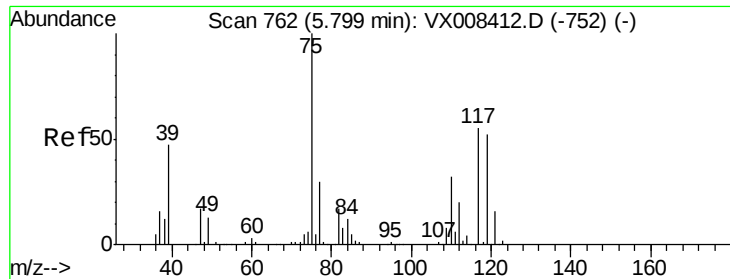
#35
 Dibromofluoromethane
 Concen: 47.865 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008438.D
 Acq: 26 Mar 2019 02:25

Tgt Ion:113 Resp: 121548
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.4
 192 19.1 15.6 23.4



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

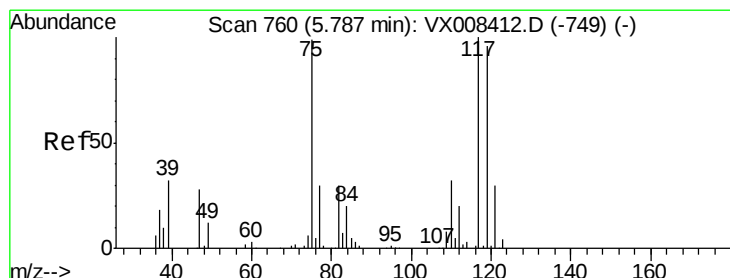
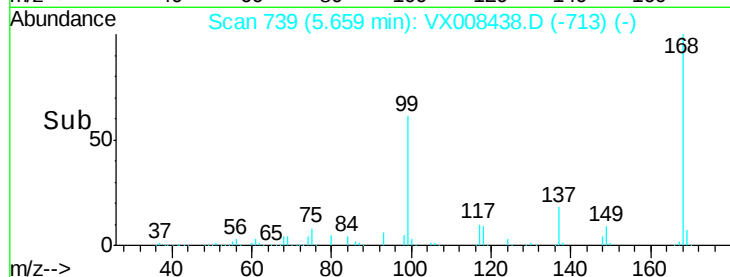
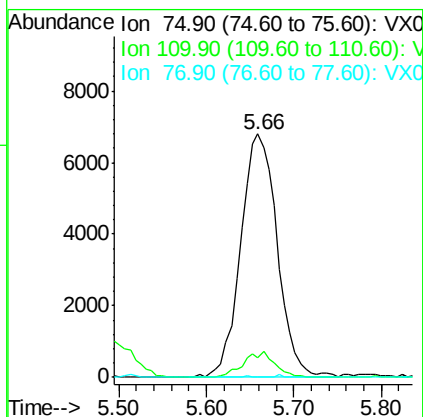
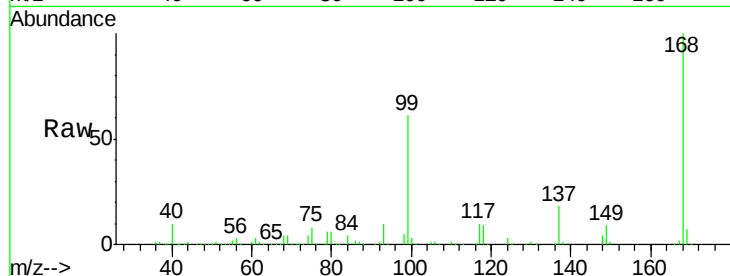




#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008438.D
 Acq: 26 Mar 2019 02:25

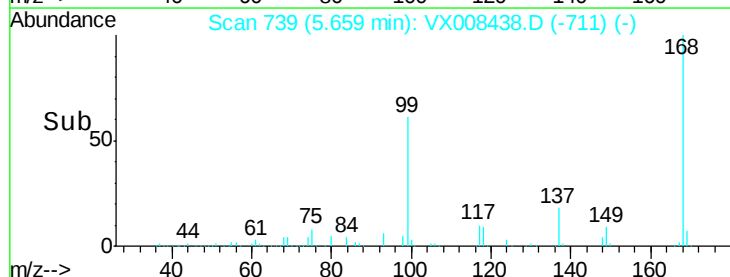
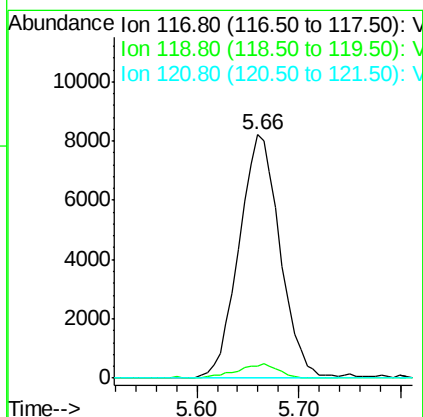
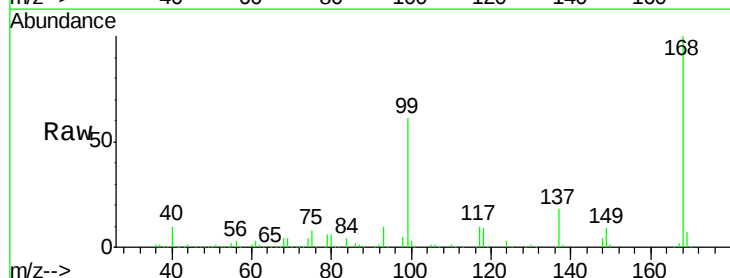
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 MW-1

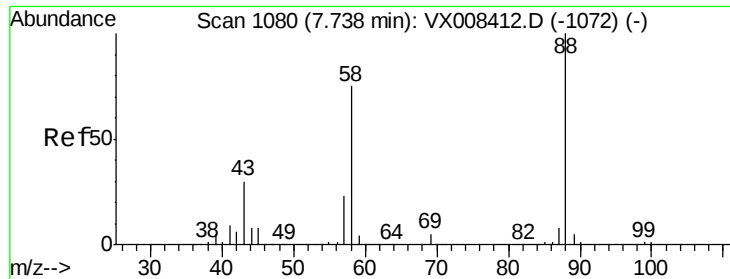
Tot Ion: 75 Resp: 19775
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.6 49.7#
 77 0.1 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.615 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008438.D
 Acq: 26 Mar 2019 02:25

Tgt Ion: 117 Resp: 22923
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.7 115.1#
 121 0.0 24.3 36.5#

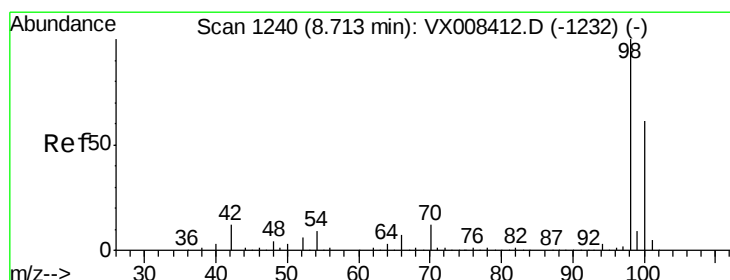
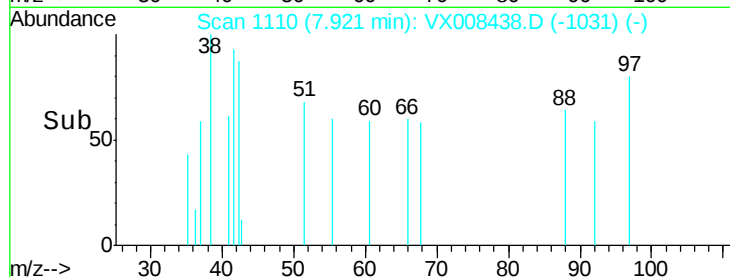
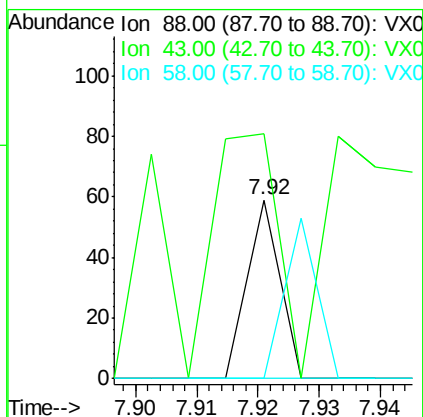
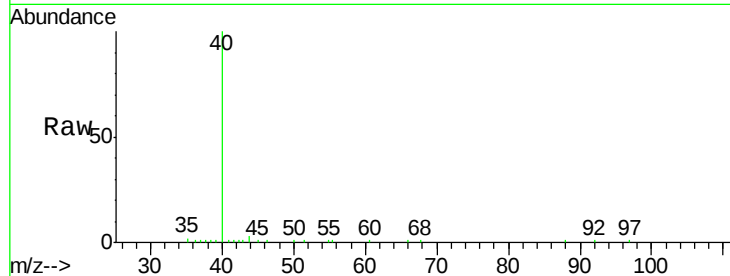




#49
1,4-Dioxane
Concen: 0.257 ug/l
RT: 7.92 min Scan# 1110
Delta R.T. 0.18 min
Lab File: VX008438.D
Acq: 26 Mar 2019 02:25

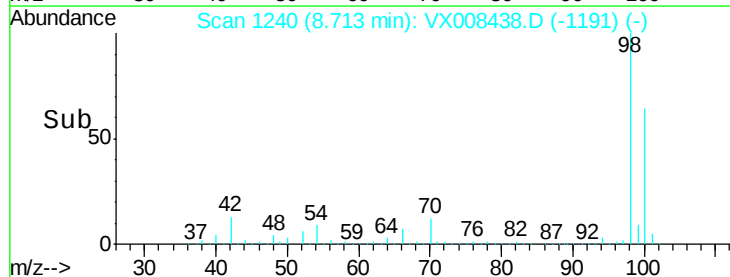
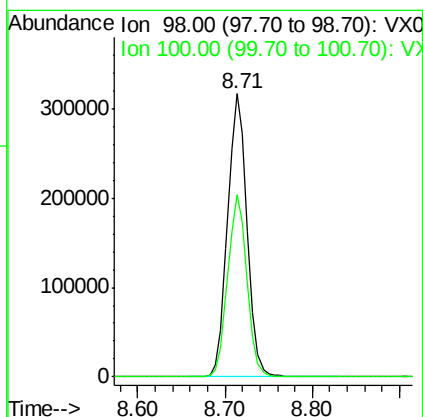
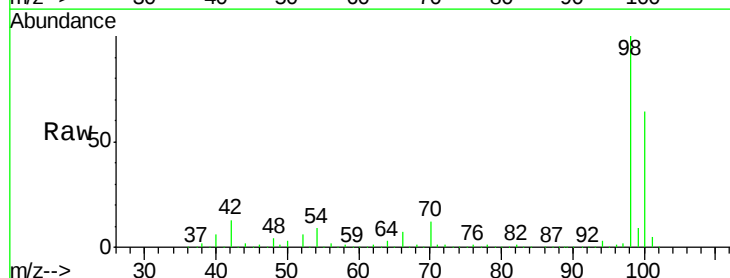
Instrument :
MSVOA_X
ClientSampled :
MW-1

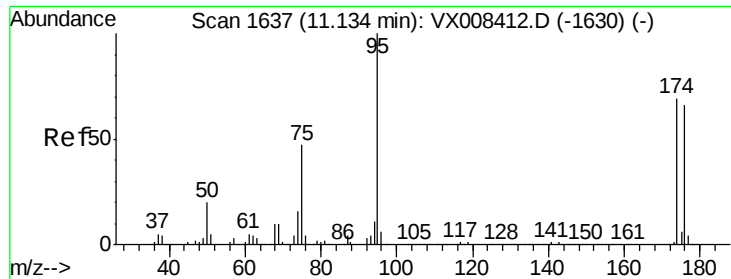
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 268.2 28.6 43.0#
58 86.4 63.0 94.4



#50
Toluene-d8
Concen: 48.177 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008438.D
Acq: 26 Mar 2019 02:25

Tgt Ion: 98 Resp: 489181
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 43.980 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008438.D

Acq: 26 Mar 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

MW-1

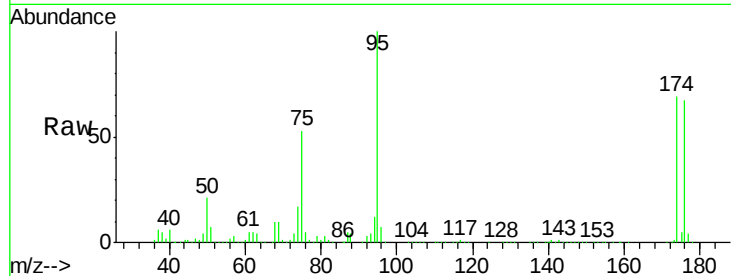
Tot Ion: 95 Resp: 165481

Ion Ratio Lower Upper

95 100

174 73.1 0.0 147.2

176 71.2 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008412.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008412.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008412.D (-1630) (-)

11.13

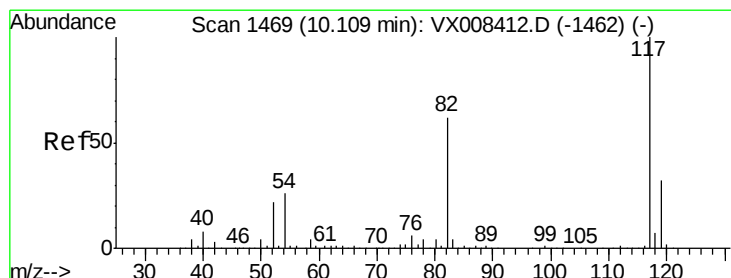
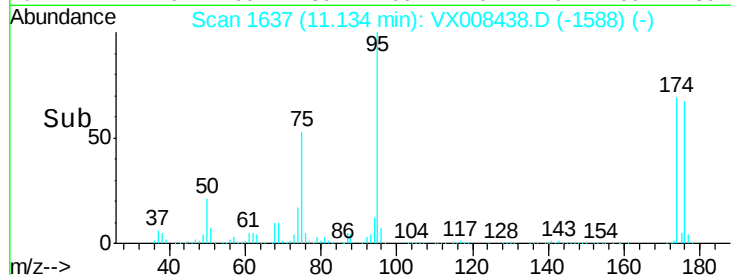
150000

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: VX008438.D

Acq: 26 Mar 2019 02:25

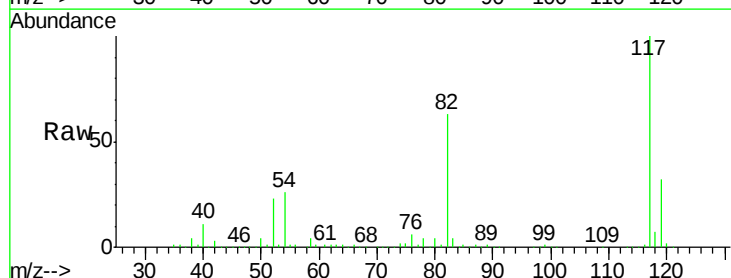
Tgt Ion: 117 Resp: 338178

Ion Ratio Lower Upper

117 100

82 62.9 49.4 74.2

119 31.6 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VX008412.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008412.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008412.D (-1462) (-)

10.11

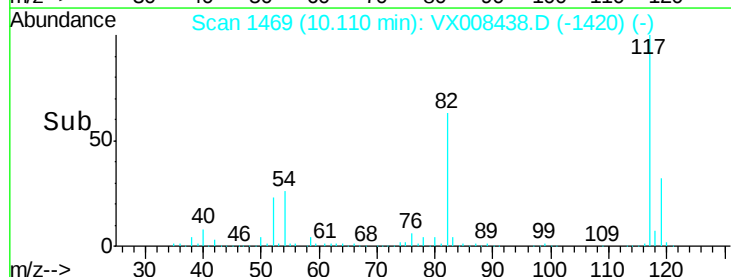
300000

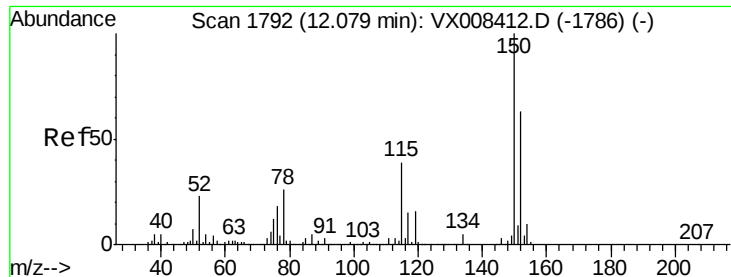
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008438.D

Acq: 26 Mar 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

MW-1

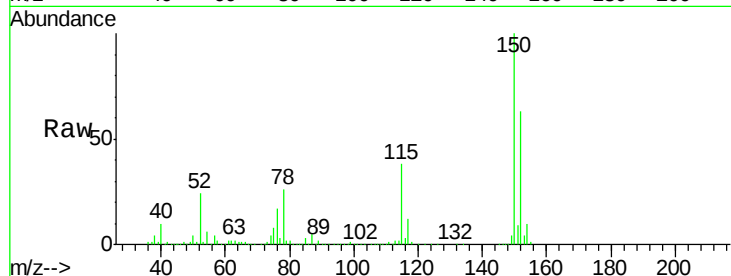
Tot Ion:152 Resp: 139521

Ion Ratio Lower Upper

152 100

115 61.0 43.5 130.5

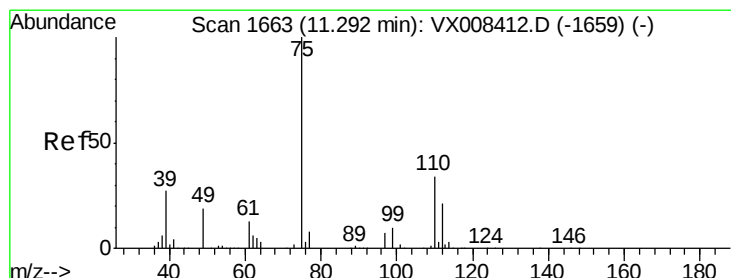
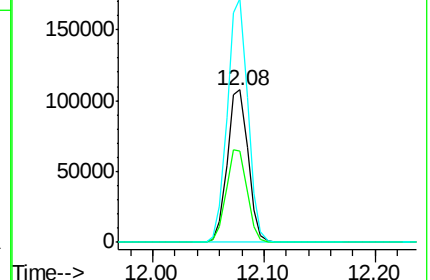
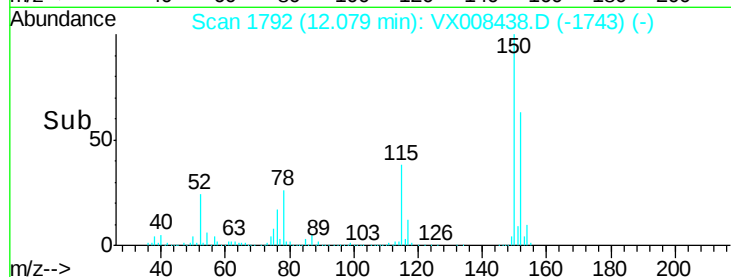
150 156.9 0.0 348.8



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: 20.900 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008438.D

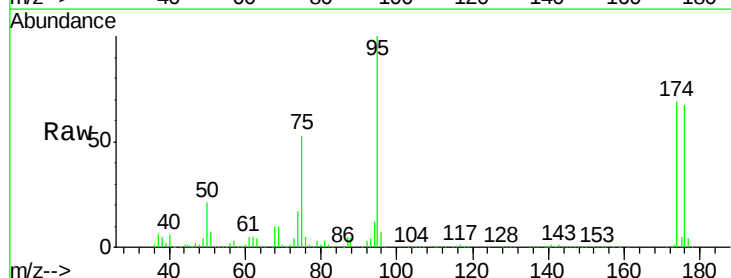
Acq: 26 Mar 2019 02:25

Tgt Ion: 75 Resp: 86690

Ion Ratio Lower Upper

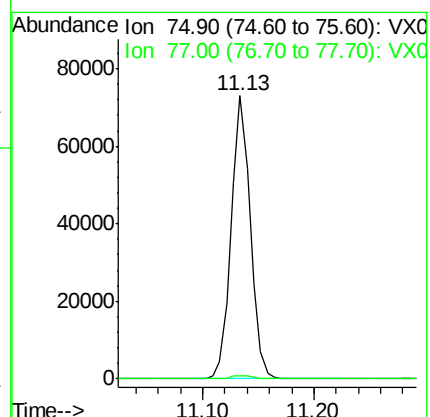
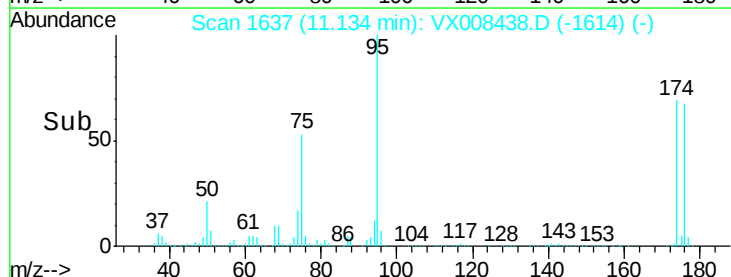
75 100

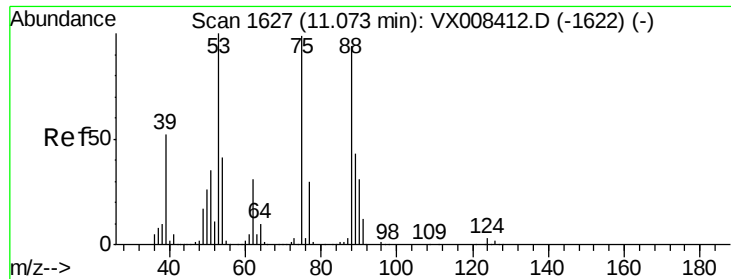
77 1.4 21.9 65.7#



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: 66.940 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008438.D

Acq: 26 Mar 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

MW-1

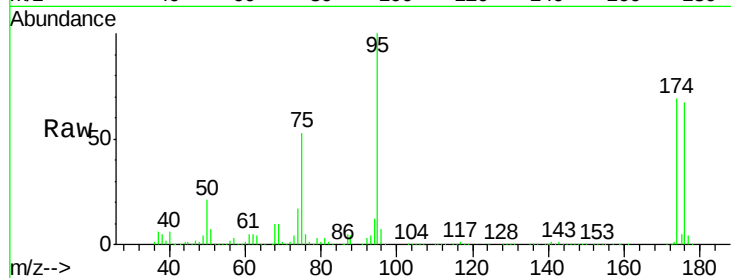
Tot Ion: 75 Resp: 86690

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#



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

