

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008660.D
 Acq On : 05 Apr 2019 01:26
 Operator : JC/SP
 Sample : K2274-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW079-190403

Quant Time: Apr 05 07:14:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	219007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	151611	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	5.49	113	111186	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	8.71	98	453869	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	154432	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

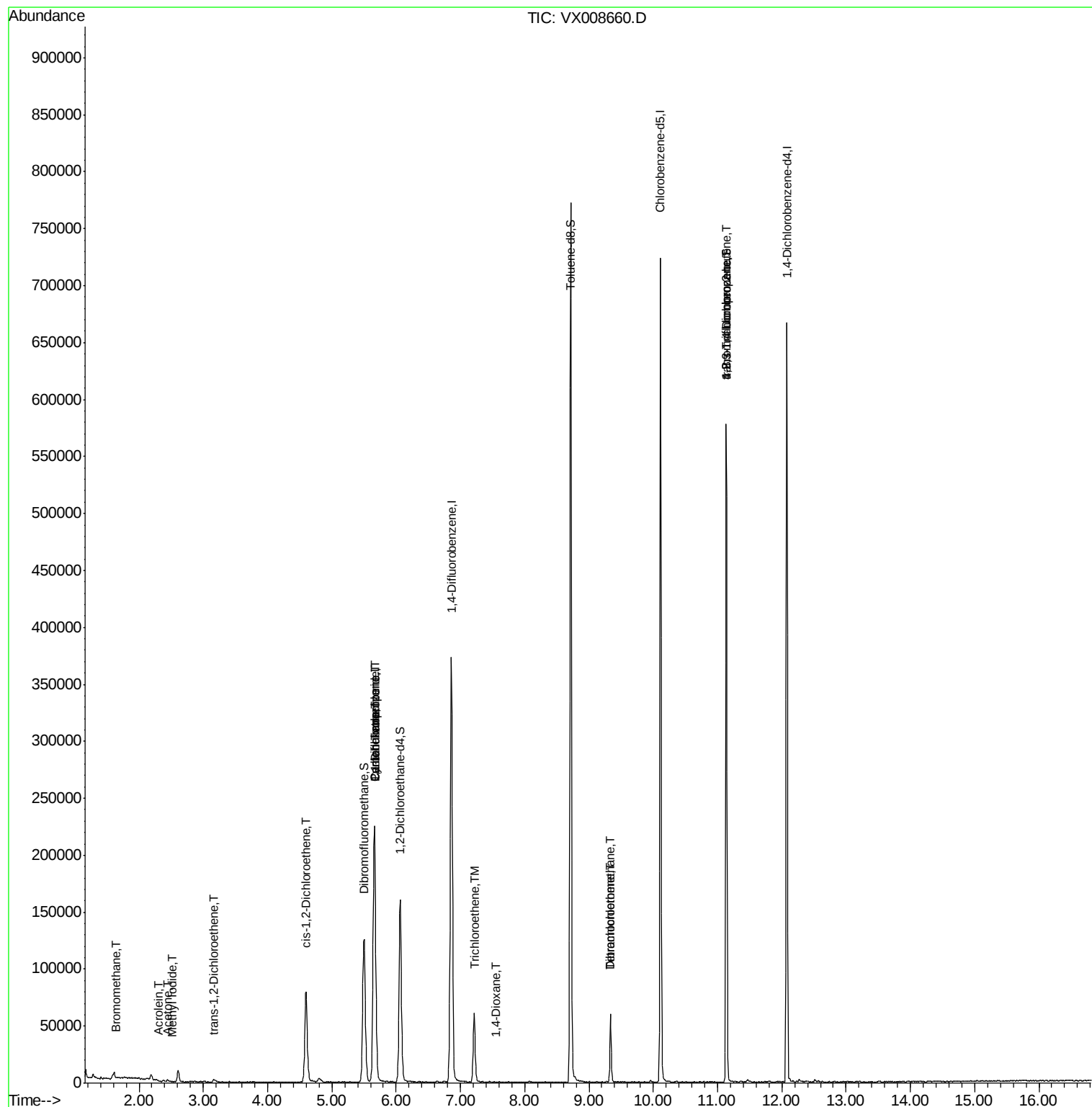
					Qvalue	
3) Chloromethane	1.32	50	851	Below Cal		94
5) Bromomethane	1.64	94	249	2.028 ug/l #		77
6) Chloroethane	1.70	64	2520	Below Cal #		66
10) Methyl Iodide	2.51	142	122	4.054 ug/l #		42
13) Acrolein	2.29	56	81	0.218 ug/l #		13
16) Acetone	2.44	43	1839	1.000 ug/l		96
17) Carbon Disulfide	2.57	76	630	Below Cal #		75
21) trans-1,2-Dichloroethene	3.17	96	687	0.251 ug/l		93
27) cis-1,2-Dichloroethene	4.60	96	49520	15.727 ug/l		90
28) Bromochloromethane	5.02	49	22	Below Cal #		22
31) Cyclohexane	5.67	56	4879	0.884 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	17557	4.407 ug/l #		47
38) Carbon Tetrachloride	5.66	117	21025	6.376 ug/l #		17
44) Trichloroethene	7.21	130	22921	8.291 ug/l		93
49) 1,4-Dioxane	7.56	88	22	0.279 ug/l #		1
60) Dibromochloromethane	9.34	129	10852	4.100 ug/l #		11
64) Tetrachloroethene	9.34	164	11567	4.926 ug/l		98
76) 1,2,3-Trichloropropane	11.13	75	78238	21.266 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	78238	58.621 ug/l #		9

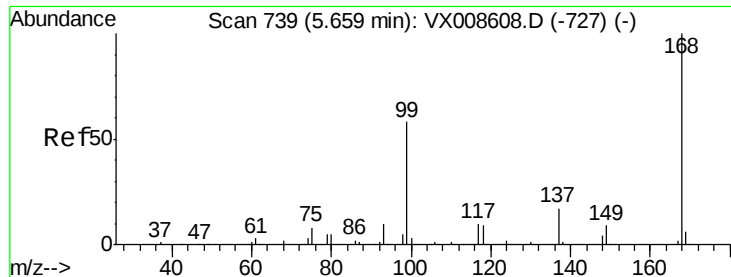
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

MSVOA_X

ClientSampleId :

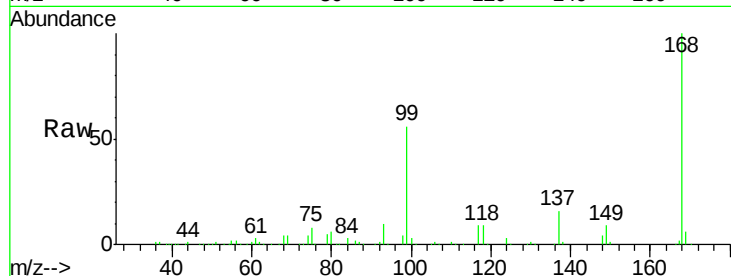
ST006MW079-190403

Tgt Ion:168 Resp: 219007

Ion Ratio Lower Upper

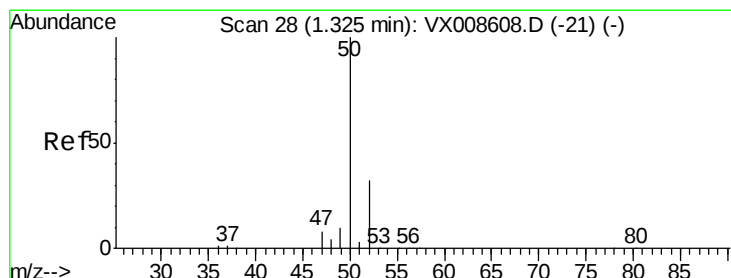
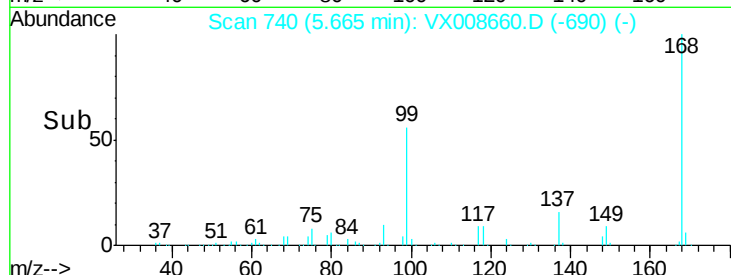
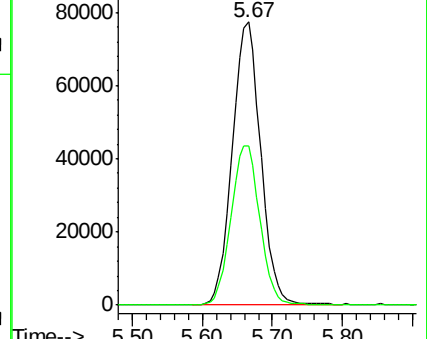
168 100

99 56.1 46.7 70.1



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: VX008660.D

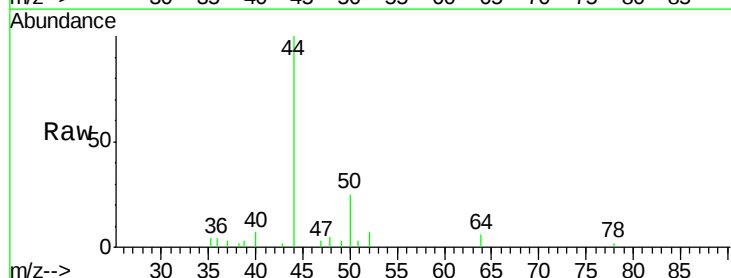
Acq: 05 Apr 2019 01:26

Tgt Ion: 50 Resp: 851

Ion Ratio Lower Upper

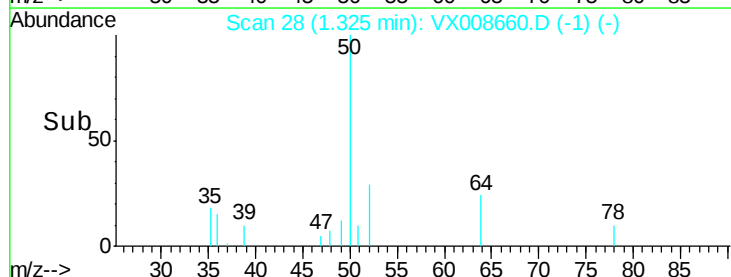
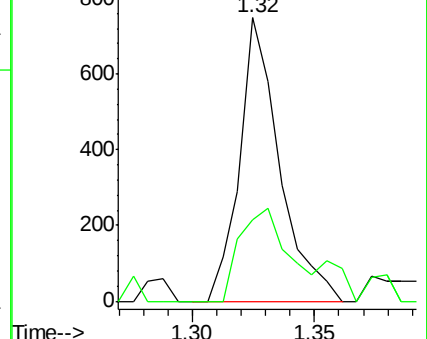
50 100

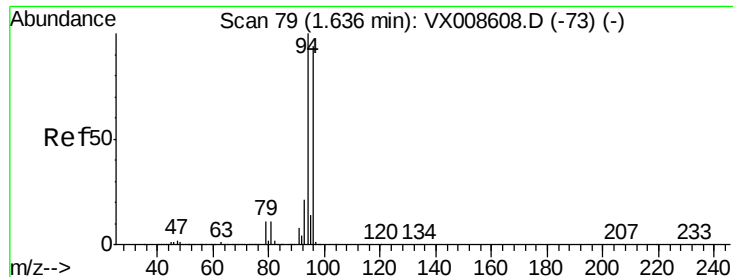
52 28.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.028 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

MSVOA_X

ClientSampleId :

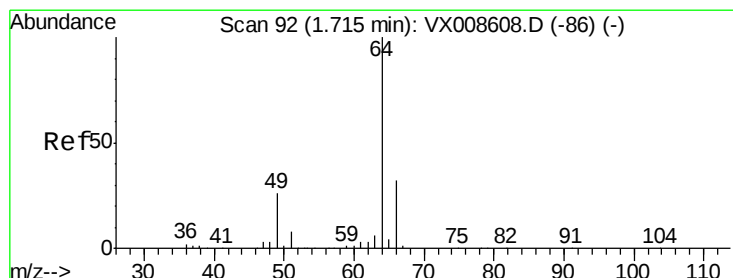
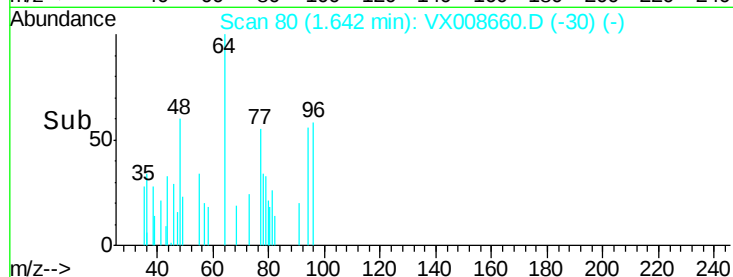
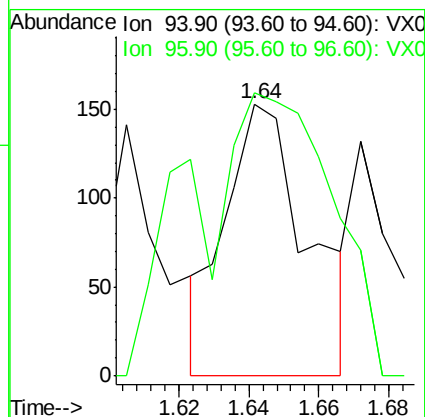
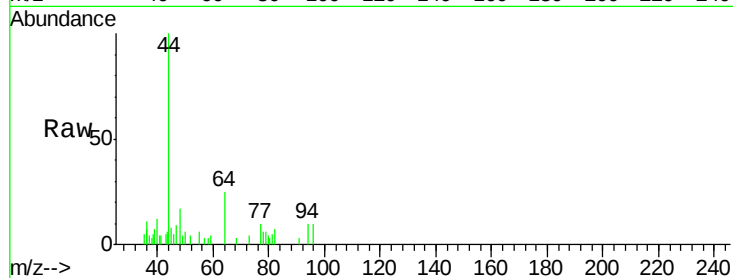
ST006MW079-190403

Tgt Ion: 94 Resp: 249

Ion Ratio Lower Upper

94 100

96 72.2 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008660.D

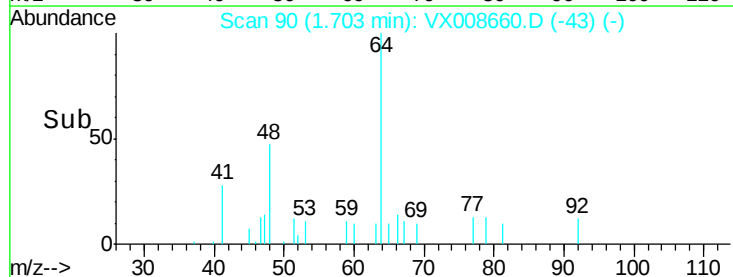
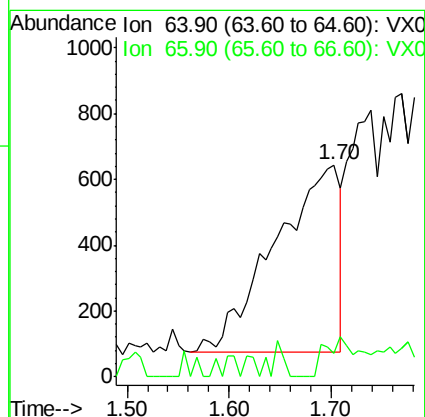
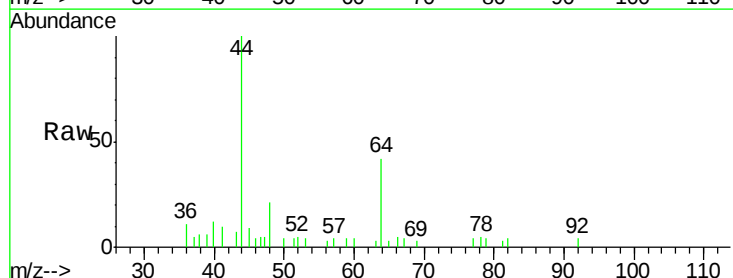
Acq: 05 Apr 2019 01:26

Tgt Ion: 64 Resp: 2520

Ion Ratio Lower Upper

64 100

66 12.8 25.4 38.0#

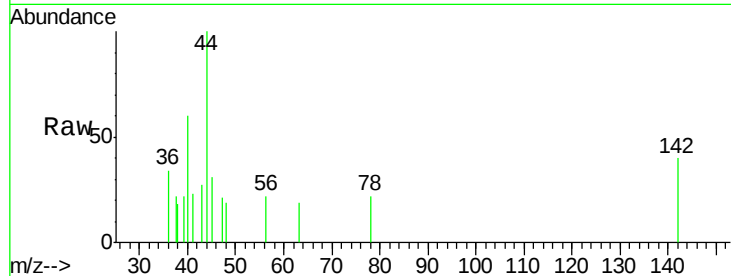




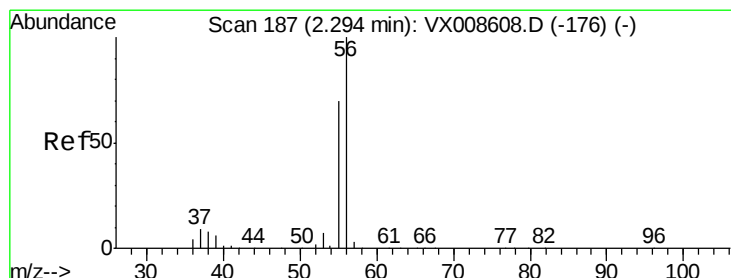
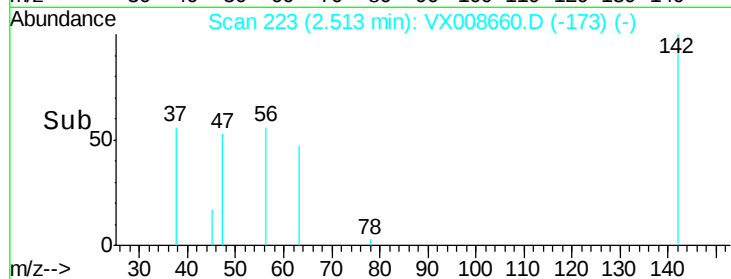
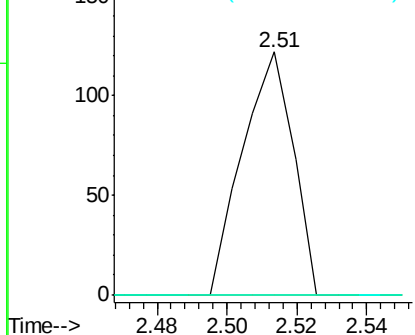
#10
Methyl Iodide
Concen: 4.054 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008660.D
Acq: 05 Apr 2019 01:26

Instrument :
MSVOA_X
ClientSampleId :
ST006MW079-190403

Tgt Ion: 142 Resp: 122
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

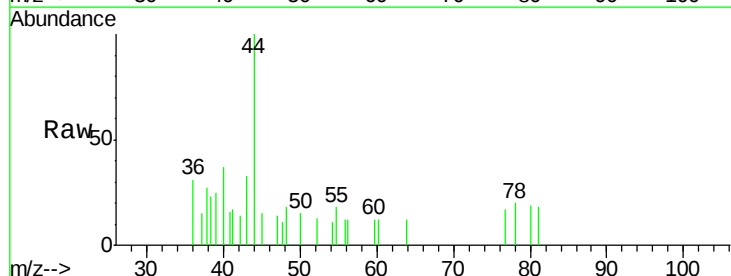


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

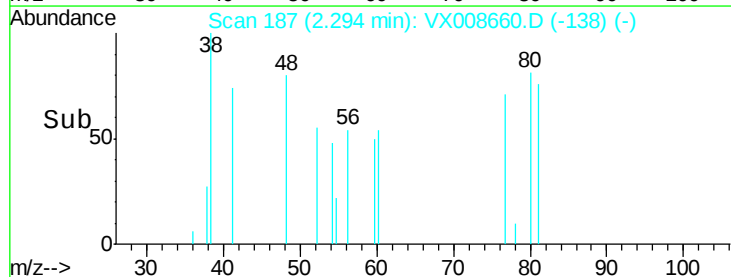
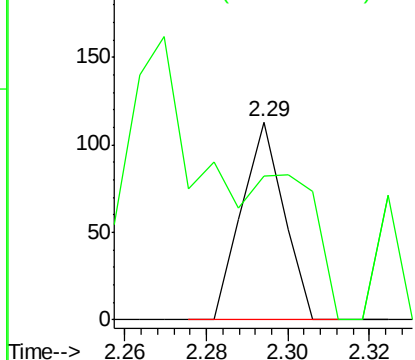


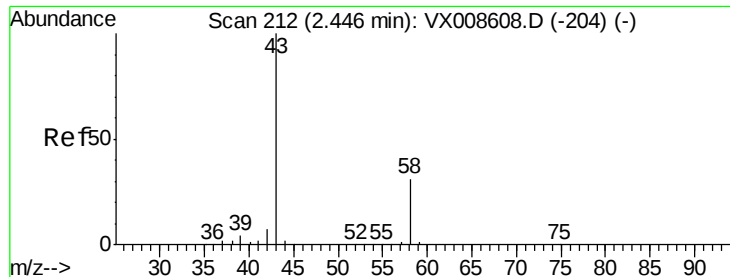
#13
Acrolein
Concen: 0.218 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008660.D
Acq: 05 Apr 2019 01:26

Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.000 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

MSVOA_X

ClientSampleId :

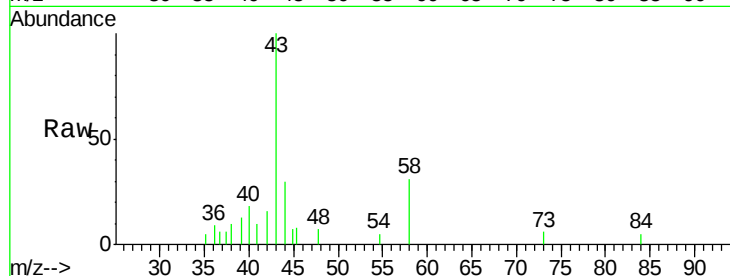
ST006MW079-190403

Tgt Ion: 43 Resp: 1839

Ion Ratio Lower Upper

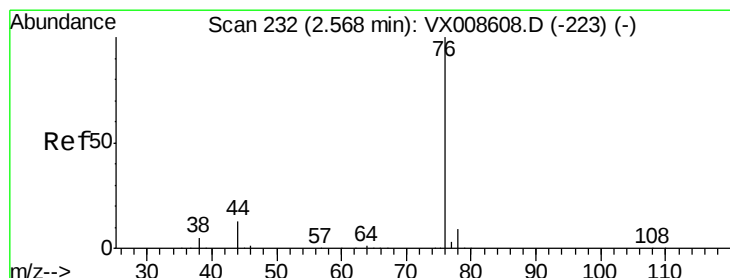
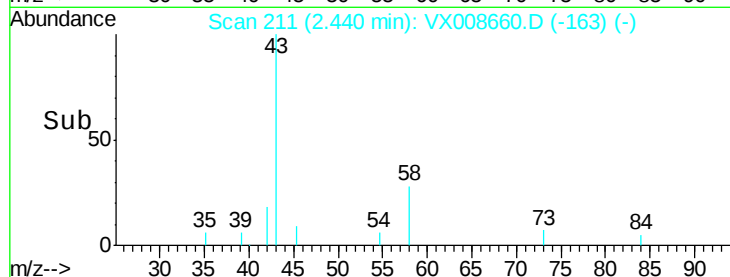
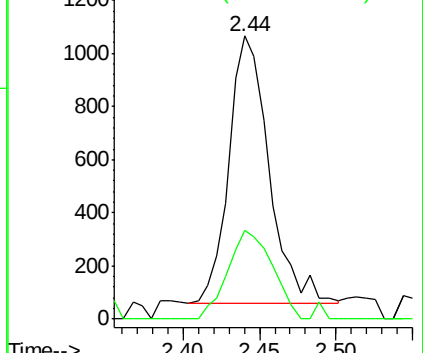
43 100

58 33.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008660.D

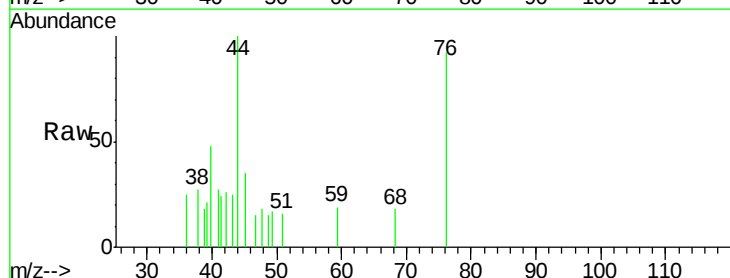
Acq: 05 Apr 2019 01:26

Tgt Ion: 76 Resp: 630

Ion Ratio Lower Upper

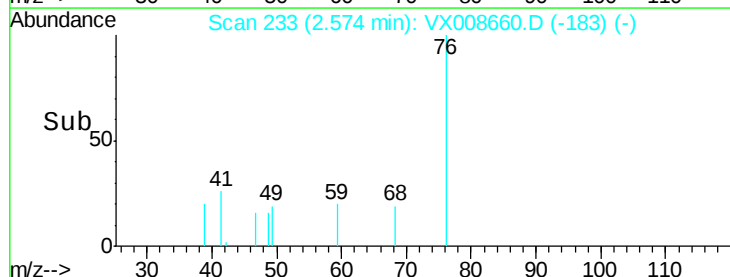
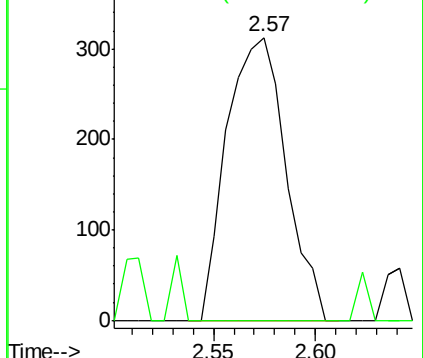
76 100

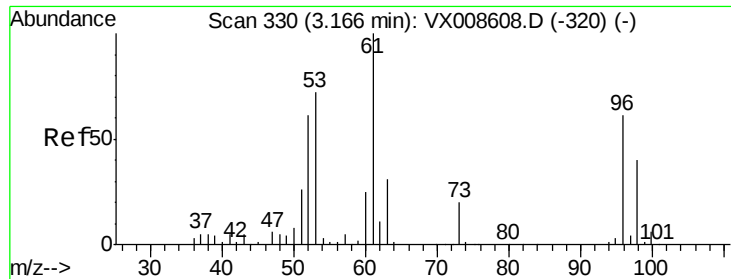
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.251 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

MSVOA_X

ClientSampleId :

ST006MW079-190403

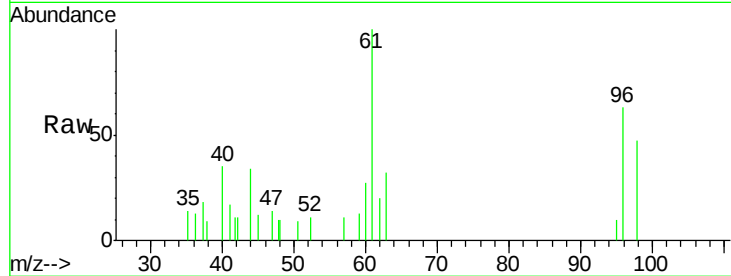
Tgt Ion: 96 Resp: 687

Ion Ratio Lower Upper

96 100

61 158.6 132.1 198.1

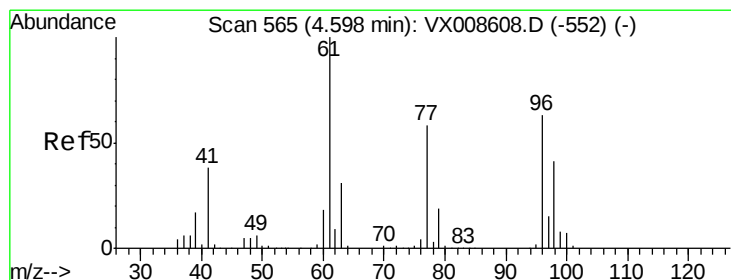
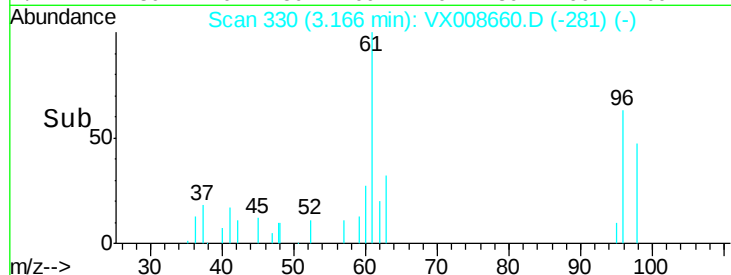
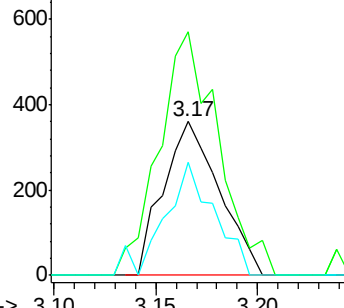
98 73.9 52.2 78.2



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



#27

cis-1,2-Dichloroethene

Concen: 15.727 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

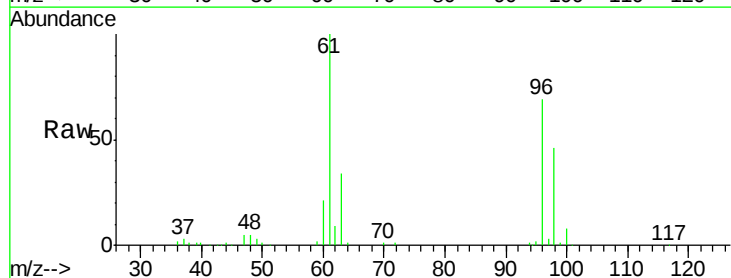
Tgt Ion: 96 Resp: 49520

Ion Ratio Lower Upper

96 100

61 144.5 0.0 327.6

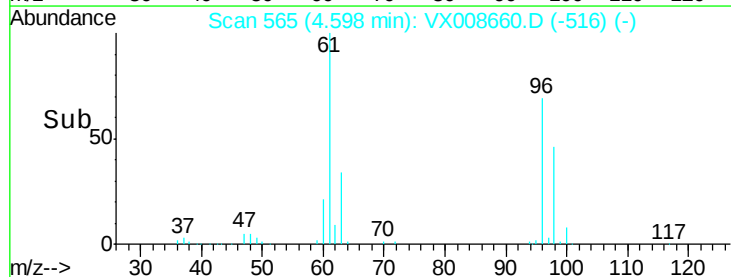
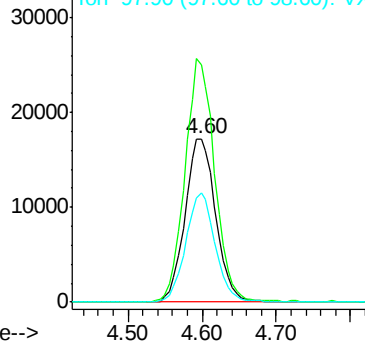
98 64.6 0.0 128.6

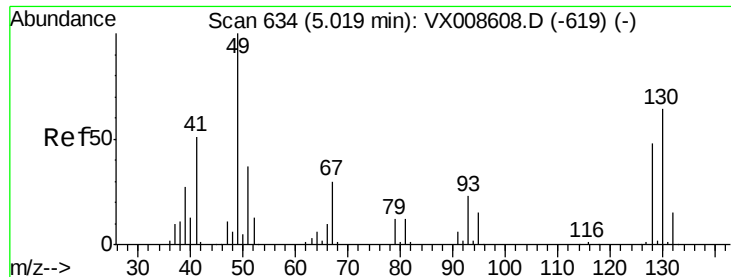


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

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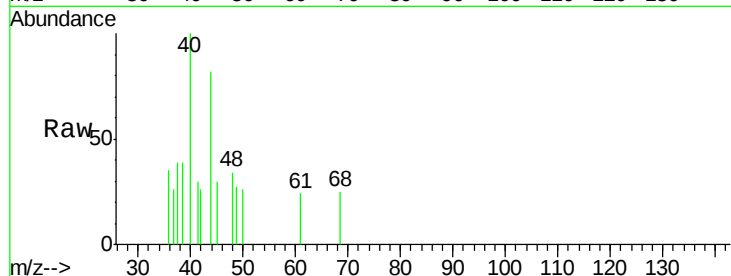
Tgt Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

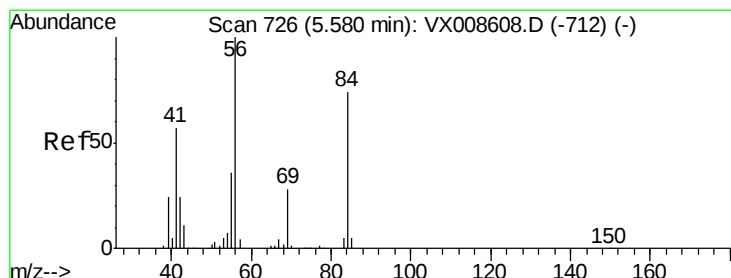
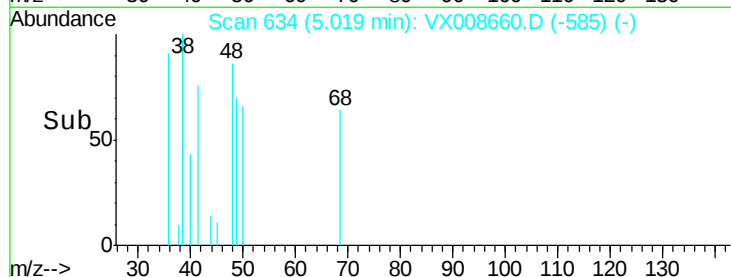
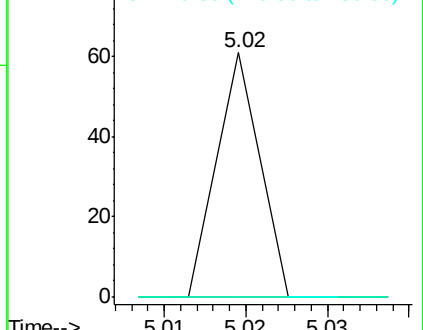
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.884 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

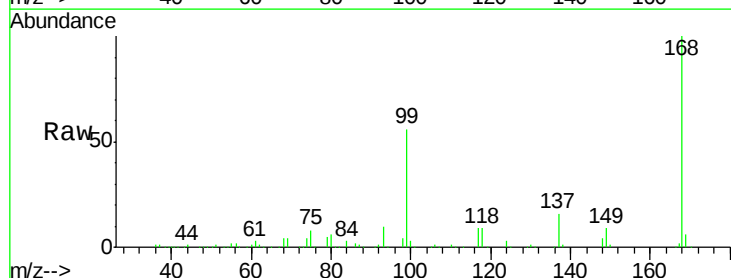
Tgt Ion: 56 Resp: 4879

Ion Ratio Lower Upper

56 100

69 193.1 22.6 33.8#

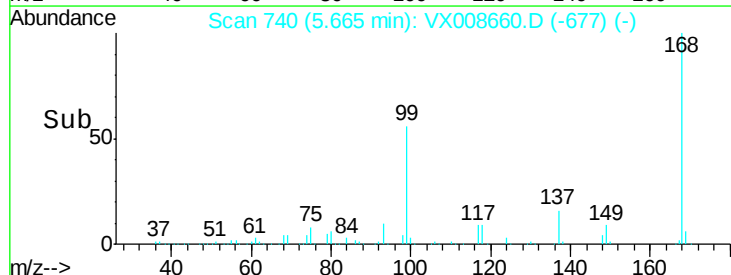
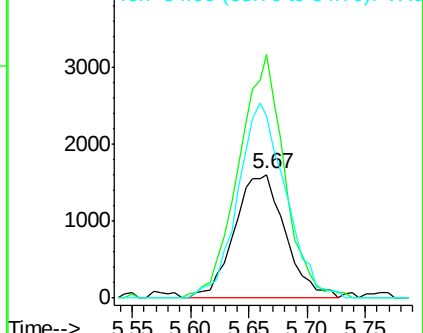
84 147.0 59.3 88.9#

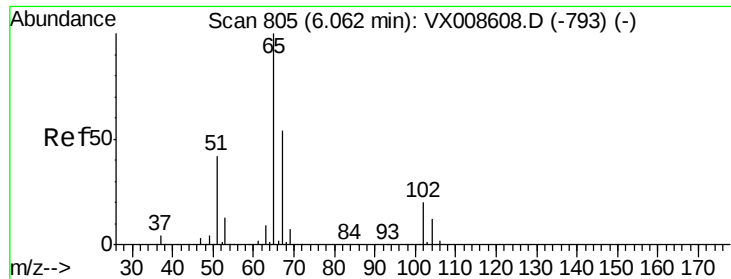


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

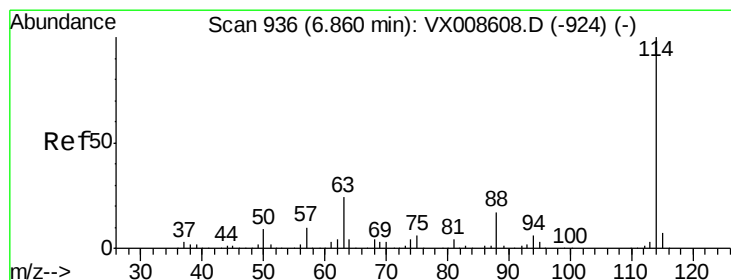
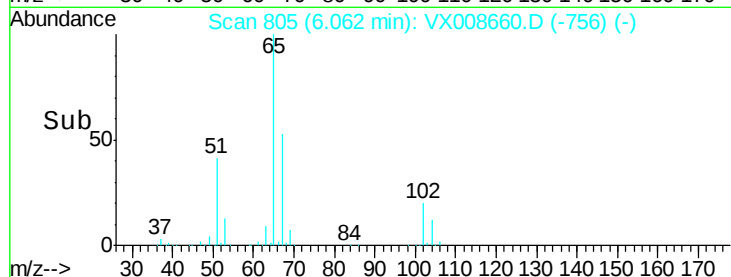
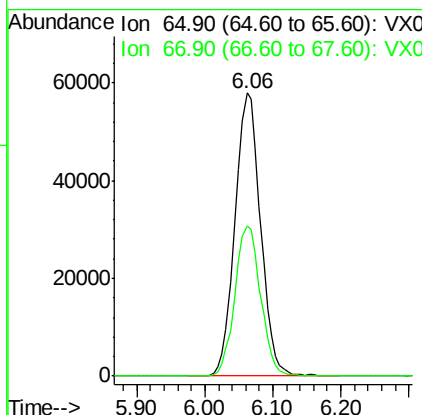
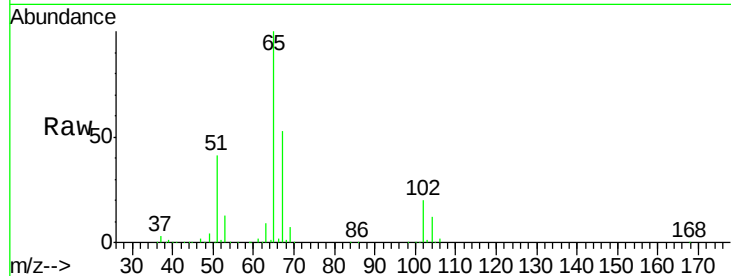




#33
 1,2-Dichloroethane-d4
 Concen: 47.462 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008660.D
 Acq: 05 Apr 2019 01:26

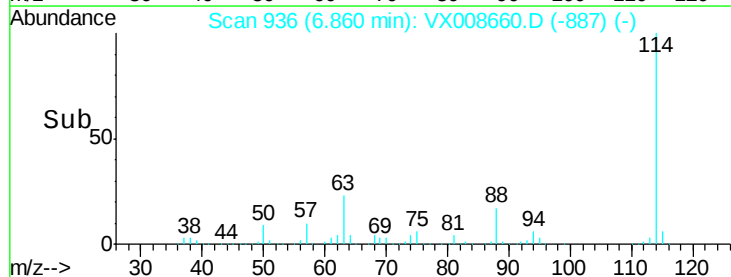
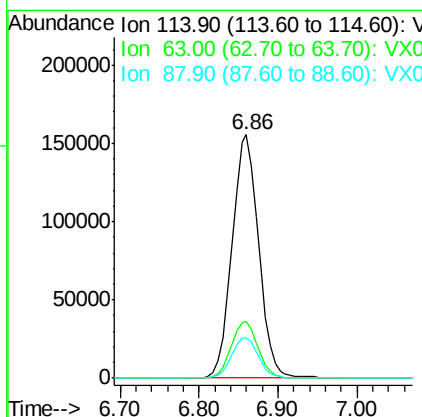
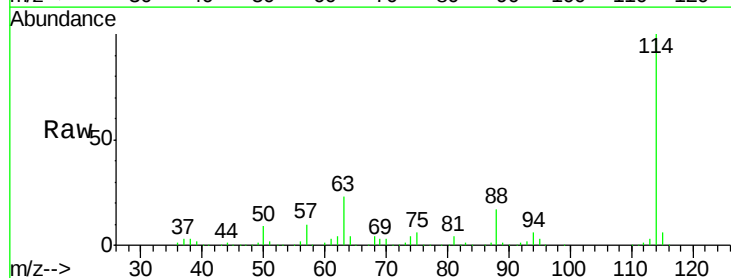
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW079-190403

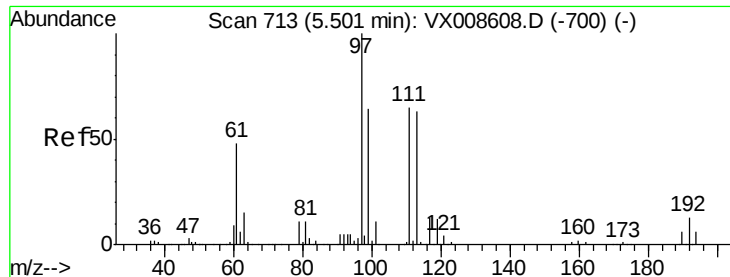
Tgt Ion: 65 Resp: 151611
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008660.D
 Acq: 05 Apr 2019 01:26

Tgt Ion: 114 Resp: 364484
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.7 0.0 34.0

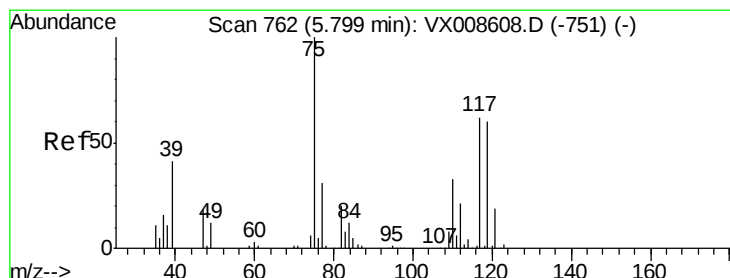
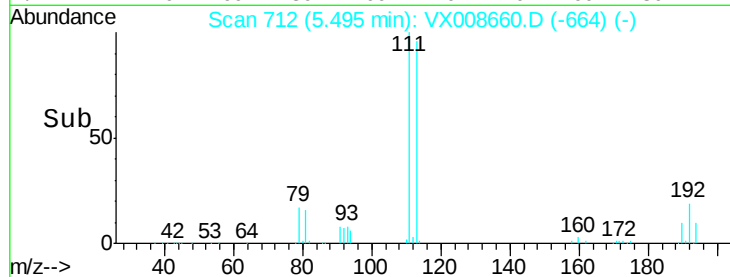
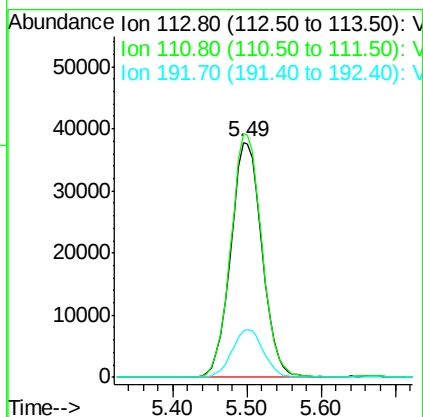
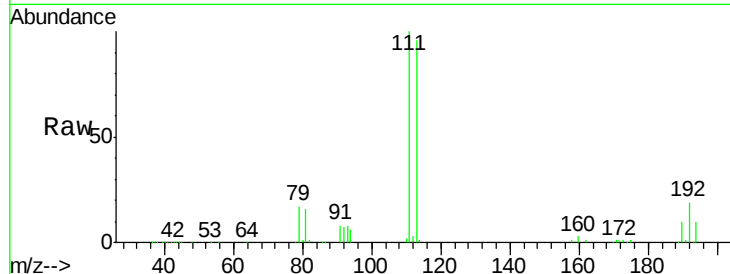




#35
 Dibromofluoromethane
 Concen: 47.712 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008660.D
 Acq: 05 Apr 2019 01:26

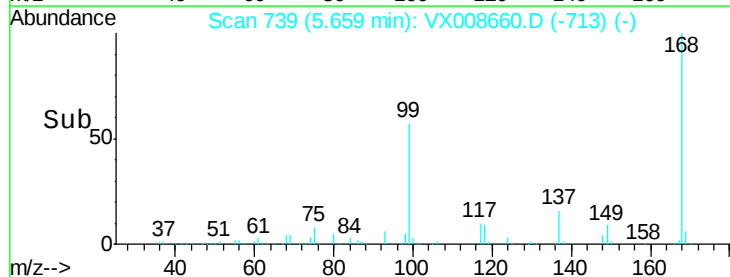
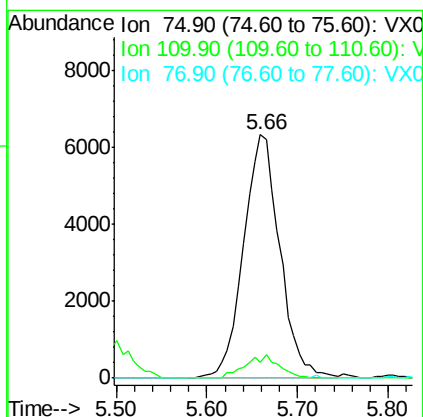
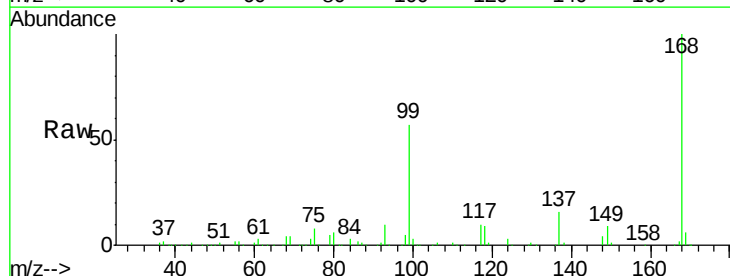
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW079-190403

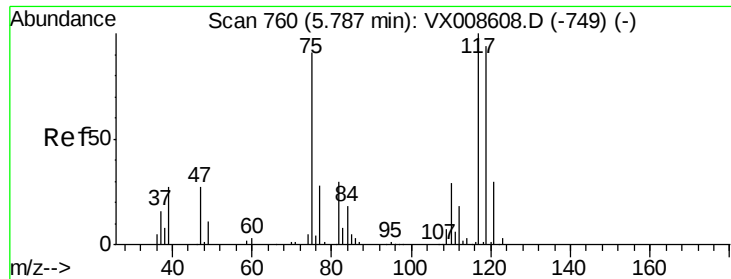
Tgt Ion:113 Resp: 111186
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.2
 192 20.5 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.407 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008660.D
 Acq: 05 Apr 2019 01:26

Tgt Ion: 75 Resp: 17557
 Ion Ratio Lower Upper
 75 100
 110 4.6 16.4 49.2#
 77 0.0 24.7 37.1#

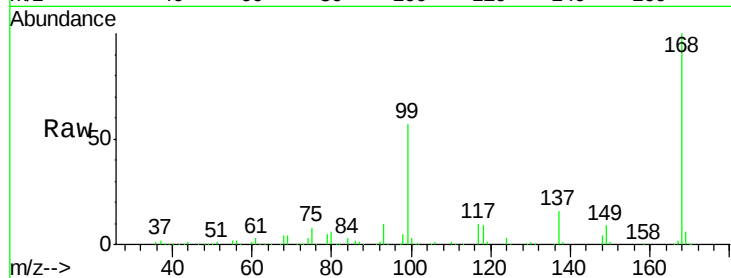




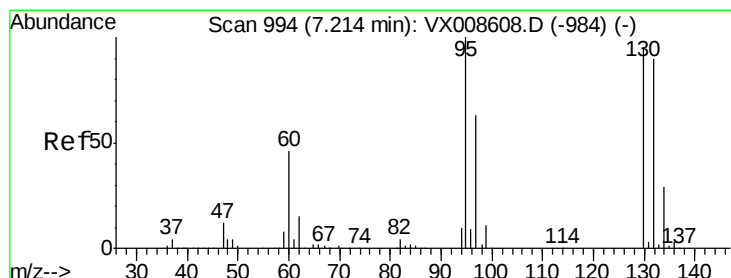
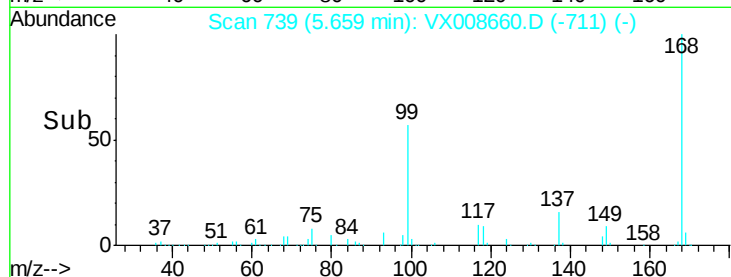
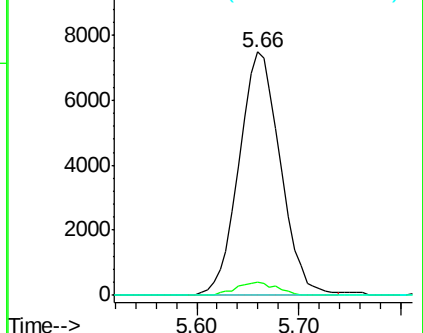
#38
Carbon Tetrachloride
Concen: 6.376 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008660.D
Acq: 05 Apr 2019 01:26

Instrument :
MSVOA_X
ClientSampleId :
ST006MW079-190403

Tgt Ion:117 Resp: 21025
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 24.3 36.5#

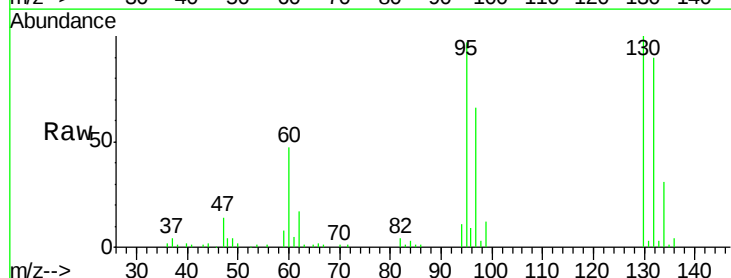


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

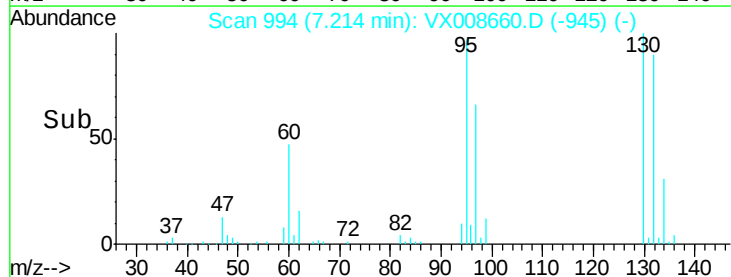
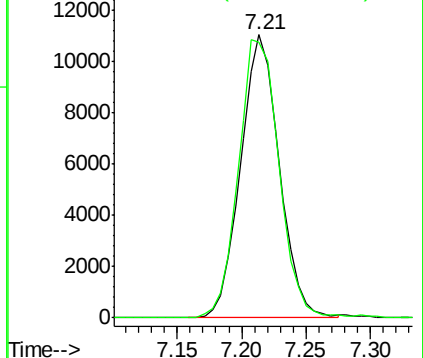


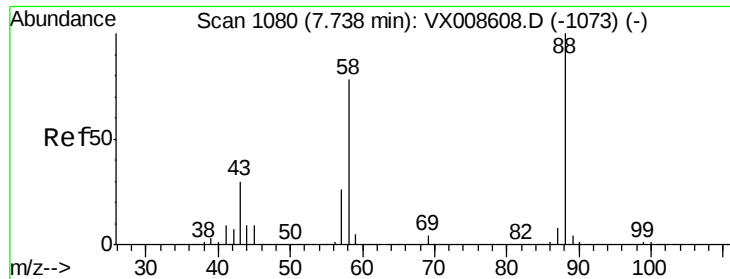
#44
Trichloroethene
Concen: 8.291 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008660.D
Acq: 05 Apr 2019 01:26

Tgt Ion:130 Resp: 22921
Ion Ratio Lower Upper
130 100
95 97.3 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.279 ug/l

RT: 7.56 min Scan# 1050

Delta R.T. -0.18 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

MSVOA_X

ClientSampleId :

ST006MW079-190403

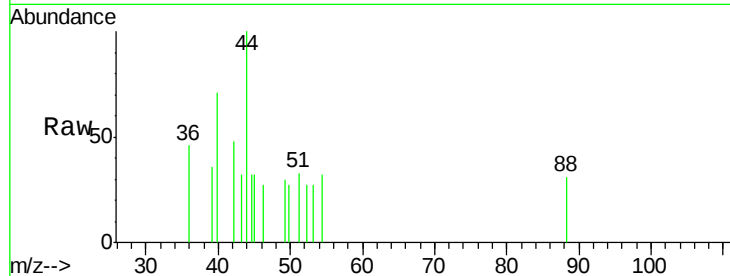
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 200.0 28.6 43.0#

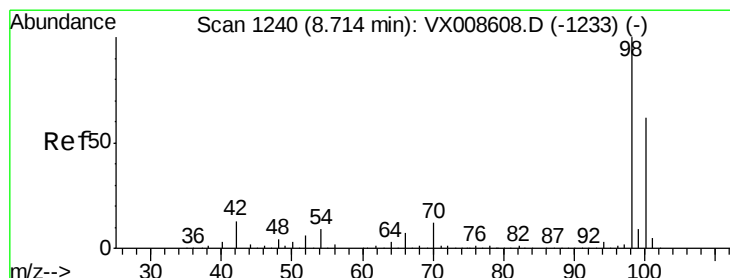
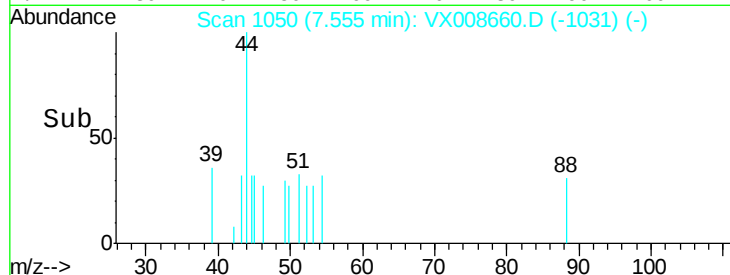
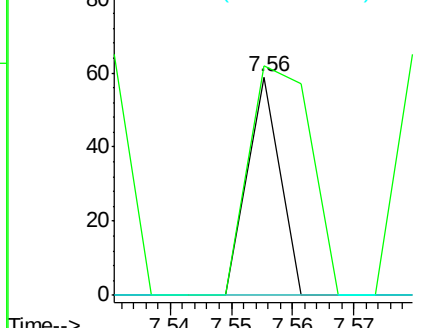
58 0.0 62.2 93.2#



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: 48.914 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008660.D

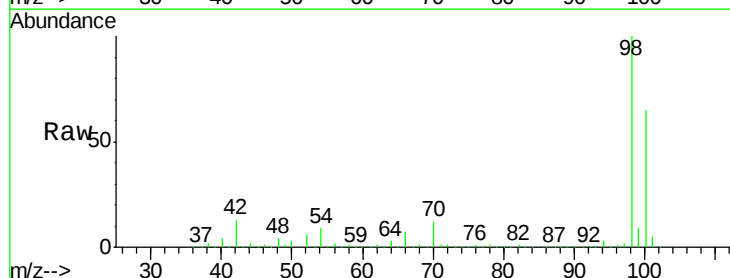
Acq: 05 Apr 2019 01:26

Tgt Ion: 98 Resp: 453869

Ion Ratio Lower Upper

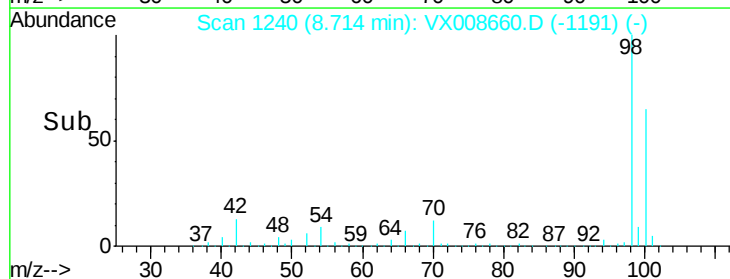
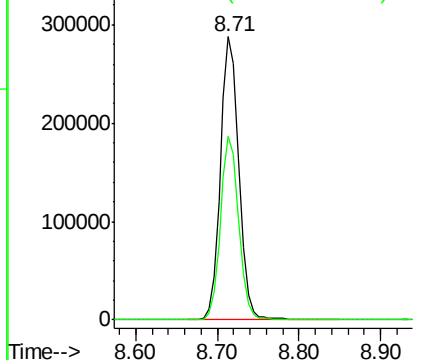
98 100

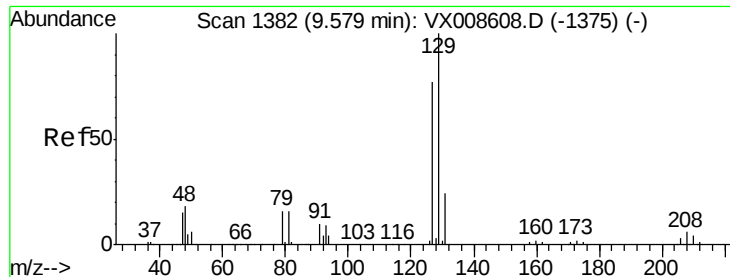
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

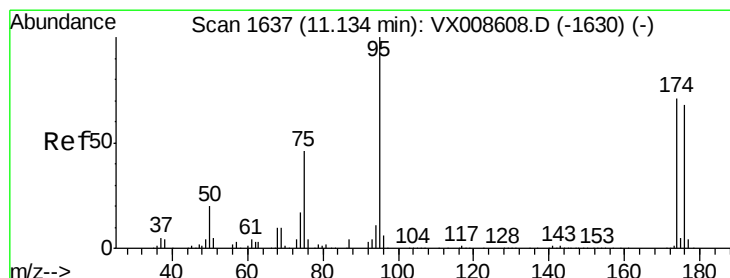
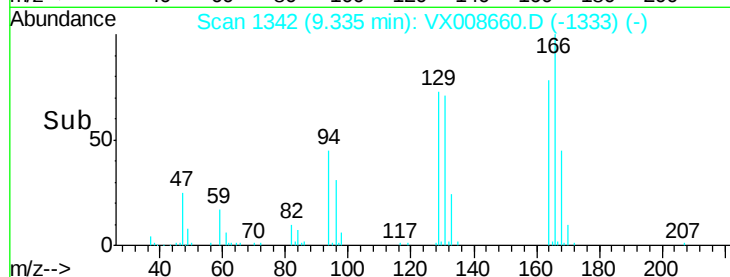
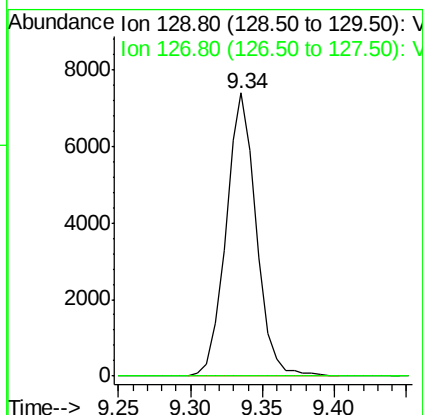
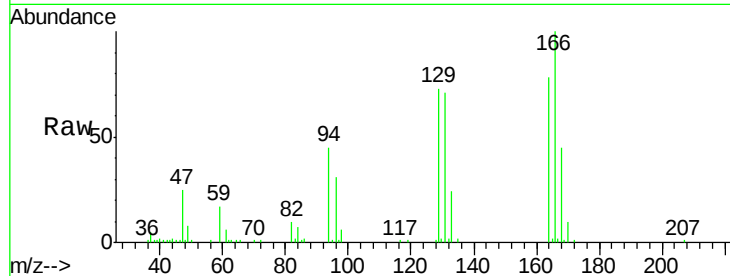




#60
 Dibromochloromethane
 Concen: 4.100 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008660.D
 Acq: 05 Apr 2019 01:26

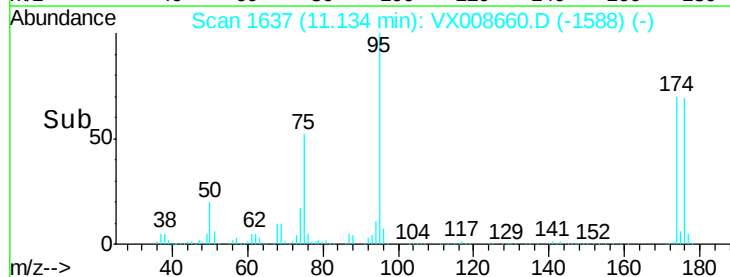
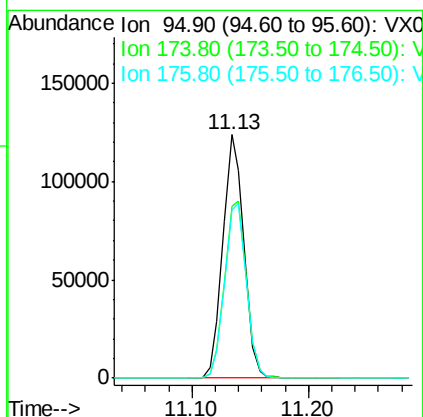
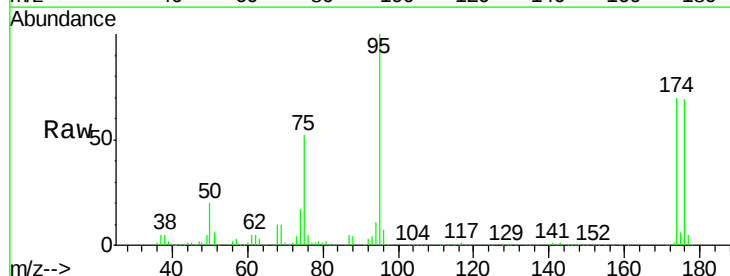
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW079-190403

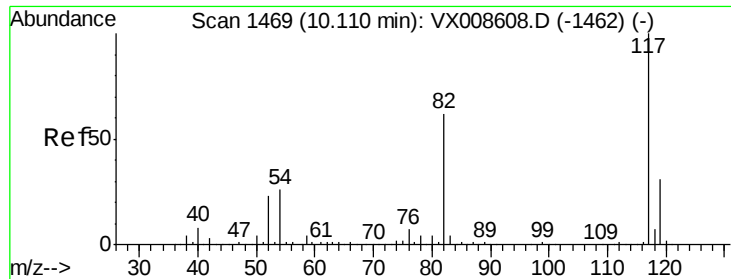
Tgt Ion:129 Resp: 10852
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#



#62
 4-Bromofluorobenzene
 Concen: 46.933 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008660.D
 Acq: 05 Apr 2019 01:26

Tgt Ion: 95 Resp: 154432
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 151.8
 176 74.5 0.0 145.8

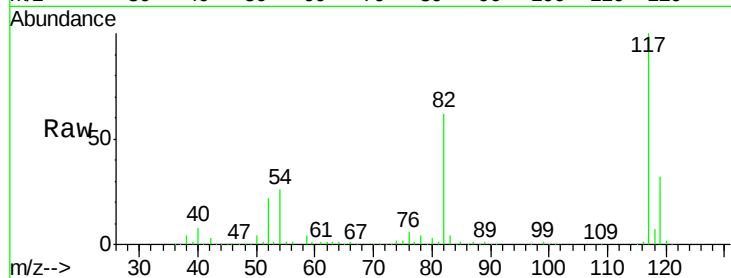




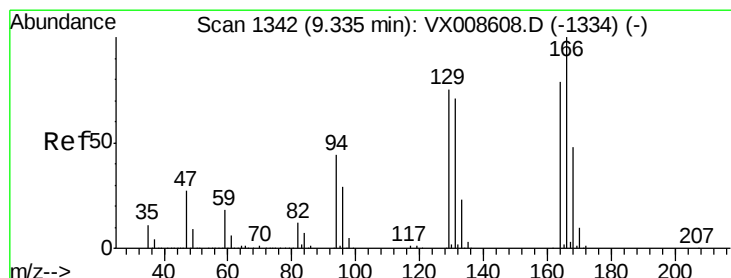
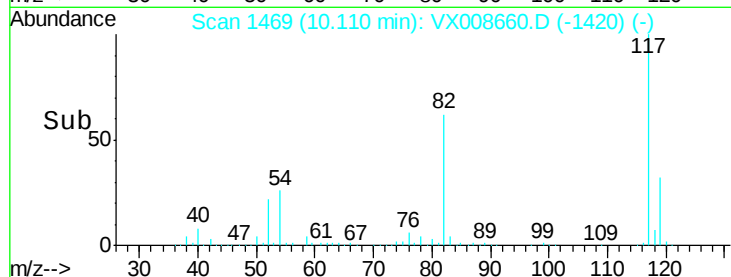
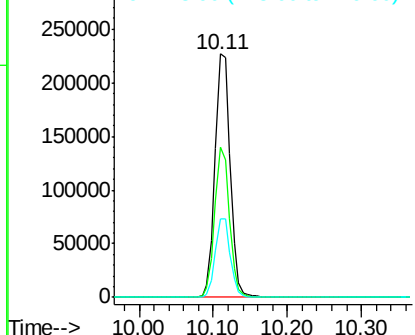
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008660.D
Acq: 05 Apr 2019 01:26

Instrument :
MSVOA_X
ClientSampleId :
ST006MW079-190403

Tgt Ion:117 Resp: 316919
Ion Ratio Lower Upper
117 100
82 61.9 49.6 74.4
119 32.3 25.0 37.4



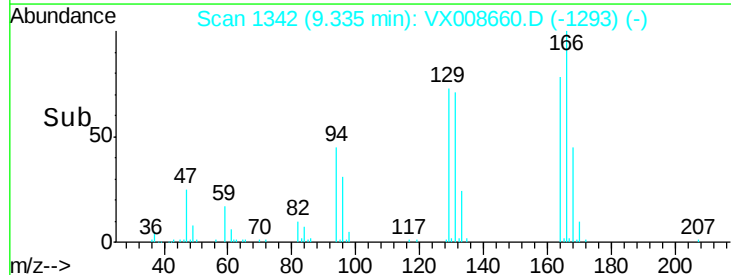
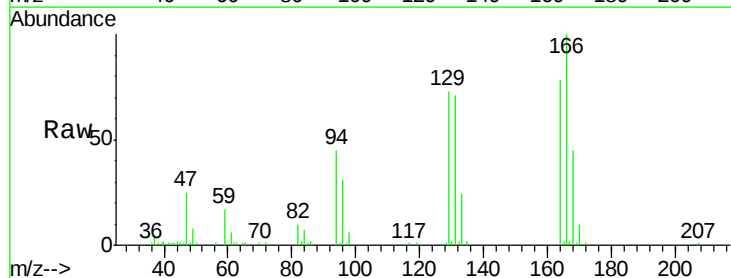
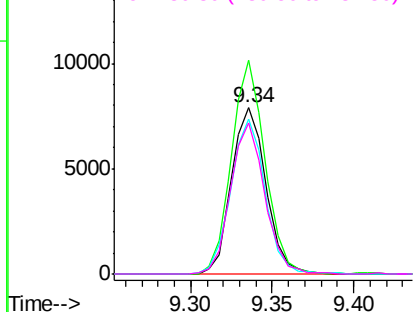
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

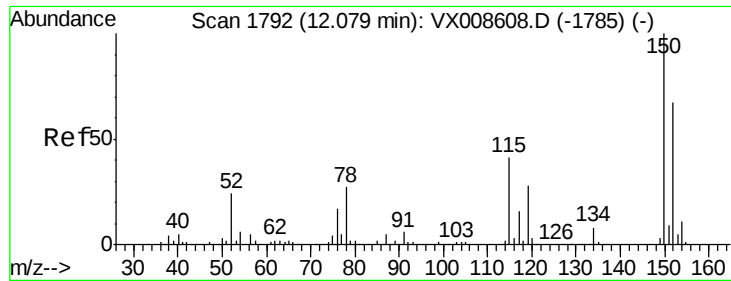


#64
Tetrachloroethene
Concen: 4.926 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008660.D
Acq: 05 Apr 2019 01:26

Tgt Ion:164 Resp: 11567
Ion Ratio Lower Upper
164 100
166 128.8 101.0 151.6
129 93.8 75.8 113.8
131 90.9 71.8 107.8

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: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

MSVOA_X

ClientSampleId :

ST006MW079-190403

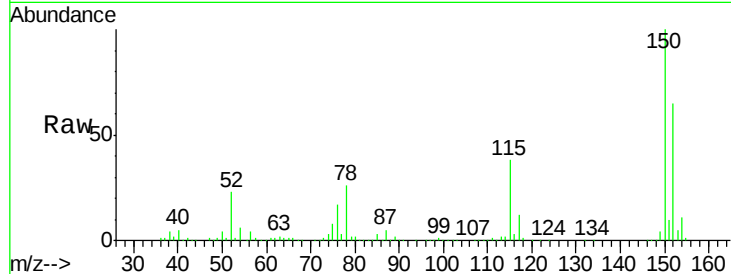
Tgt Ion:152 Resp: 133924

Ion Ratio Lower Upper

152 100

115 59.5 43.5 130.5

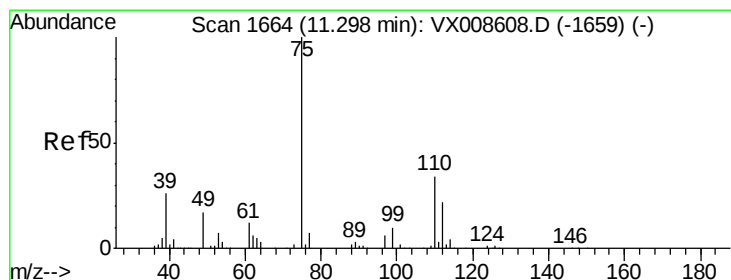
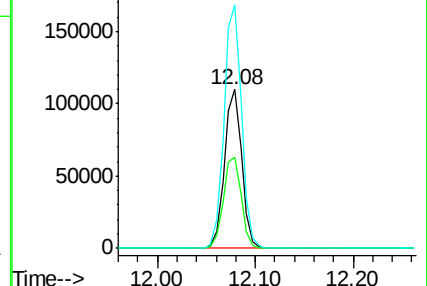
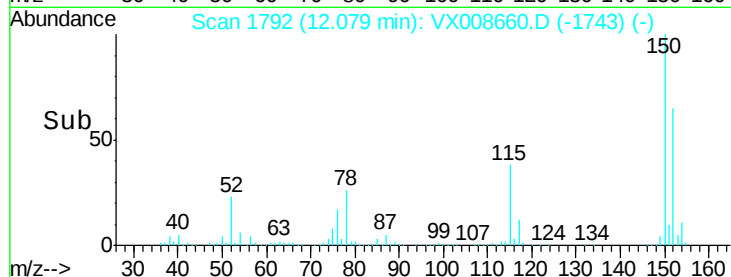
150 155.3 0.0 348.8



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: 21.266 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008660.D

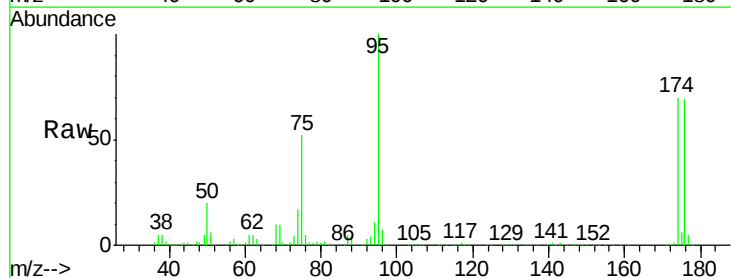
Acq: 05 Apr 2019 01:26

Tgt Ion: 75 Resp: 78238

Ion Ratio Lower Upper

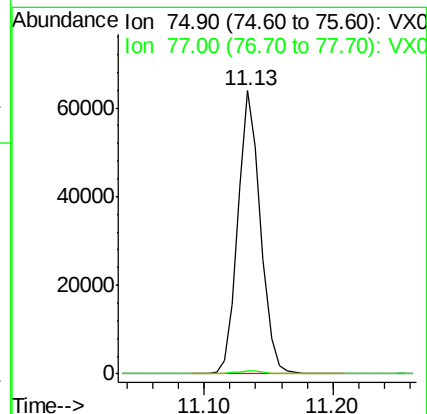
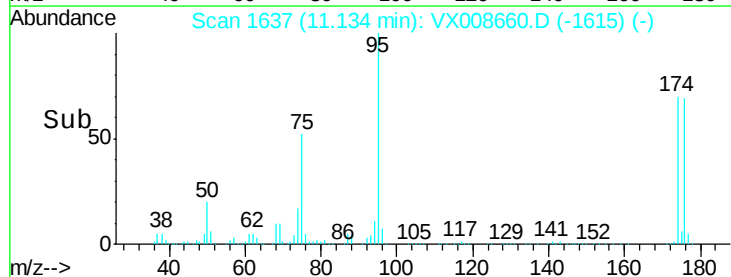
75 100

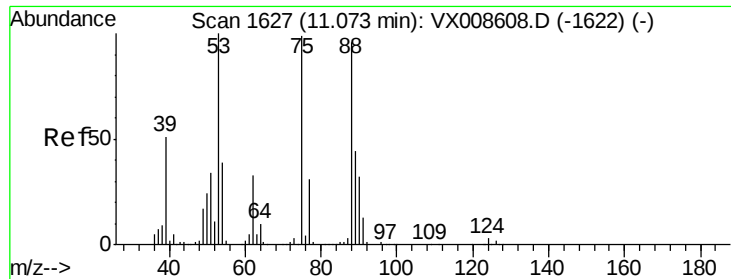
77 1.3 22.3 66.8#



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: 58.621 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008660.D

Acq: 05 Apr 2019 01:26

Instrument :

MSVOA_X

ClientSampleId :

ST006MW079-190403

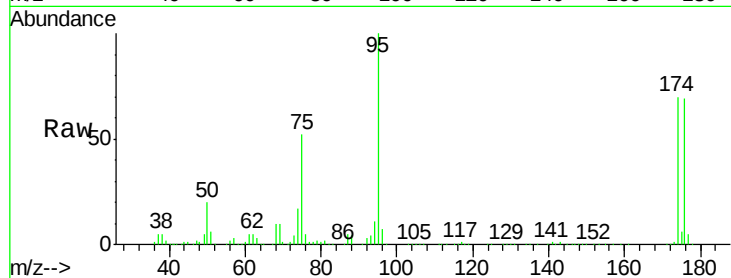
Tgt Ion: 75 Resp: 78238

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

