

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009289.D
 Acq On : 02 May 2019 21:33
 Operator : JC/SP
 Sample : K2660-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW186-190429

Quant Time: May 03 02:46:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

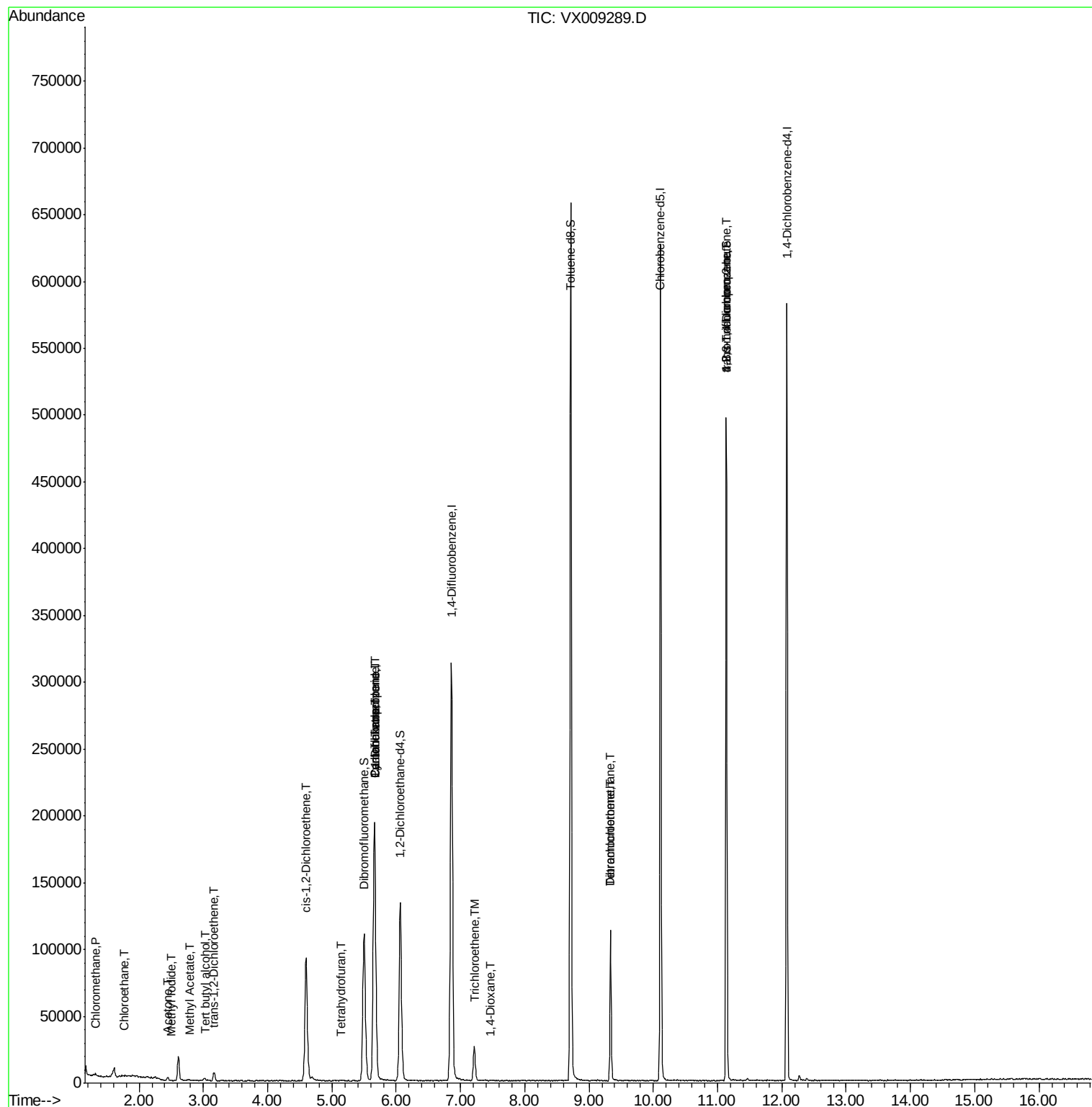
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	192814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118936	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	127339	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
35) Dibromofluoromethane	5.50	113	94733	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
50) Toluene-d8	8.71	98	388218	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	131046	46.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.66%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1087	0.448	ug/l	98
6) Chloroethane	1.76	64	2750	1.811	ug/l #	43
10) Methyl Iodide	2.51	142	49	4.615	ug/l #	42
11) Tert butyl alcohol	3.03	59	1349	2.214	ug/l #	84
16) Acetone	2.44	43	2483	1.757	ug/l	91
18) Methyl Acetate	2.78	43	804	0.239	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	2287	1.166	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	57118	24.390	ug/l	90
28) Bromochloromethane	5.01	49	20	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	383	0.271	ug/l #	38
31) Cyclohexane	5.66	56	4117	1.058	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14826	5.202	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17809	6.877	ug/l #	16
44) Trichloroethene	7.21	130	10183	4.775	ug/l	96
49) 1,4-Dioxane	7.47	88	20	0.313	ug/l #	1
60) Dibromochloromethane	9.34	129	20079	9.398	ug/l #	11
64) Tetrachloroethene	9.34	164	21715	11.533	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	66384	24.062	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66384	61.566	ug/l #	10

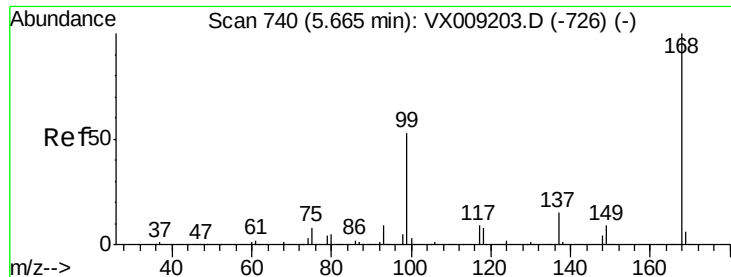
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

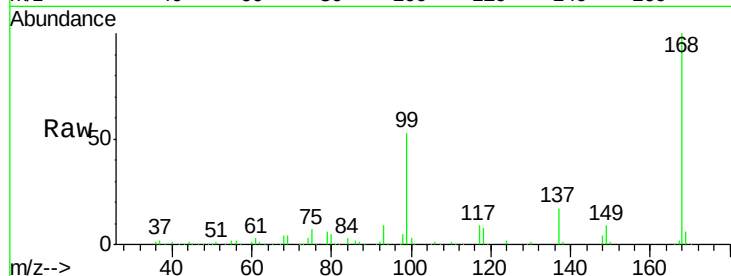
ST008MW186-190429

Tot Ion:168 Resp: 192814

Ion Ratio Lower Upper

168 100

99 52.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

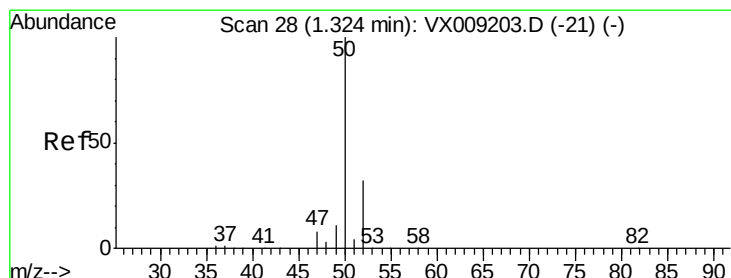
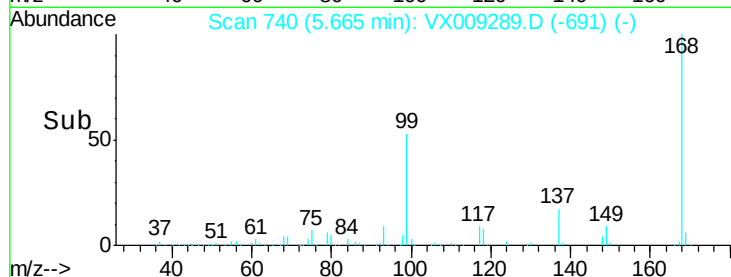
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.448 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009289.D

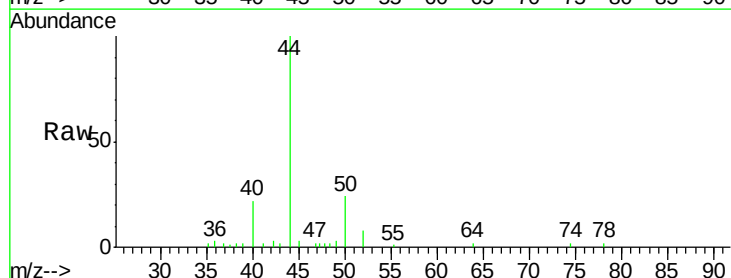
Acq: 02 May 2019 21:33

Tgt Ion: 50 Resp: 1087

Ion Ratio Lower Upper

50 100

52 31.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

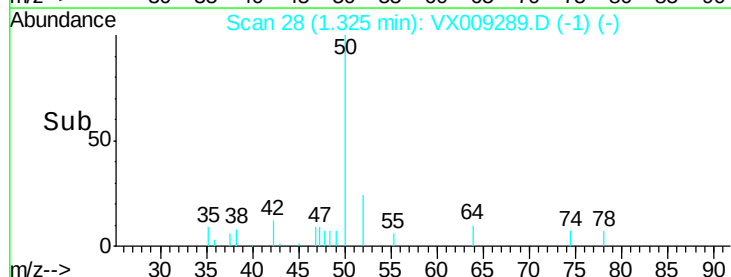
400

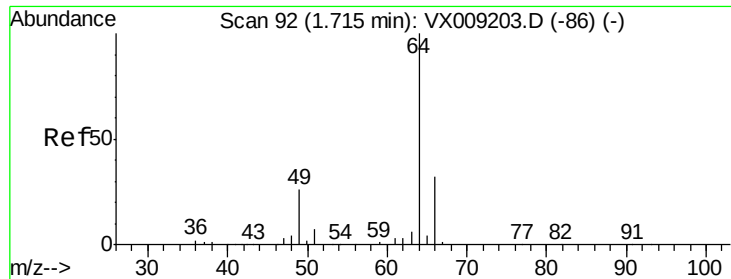
200

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 1.811 ug/l

RT: 1.76 min Scan# 100

Delta R.T. 0.05 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

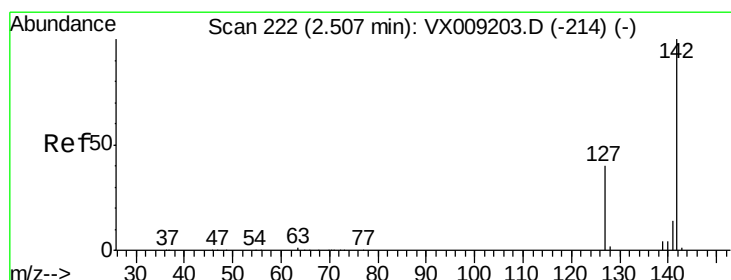
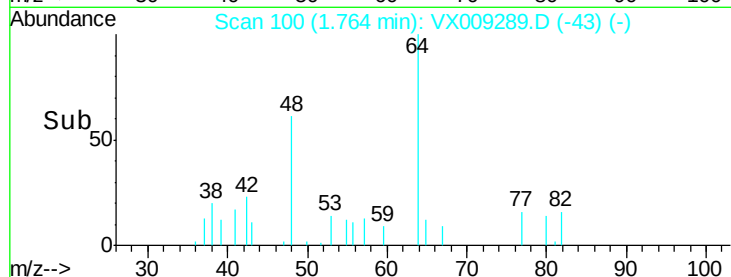
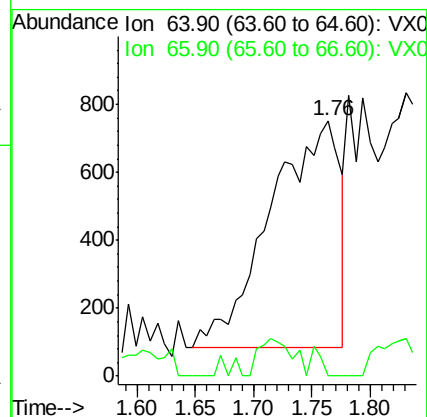
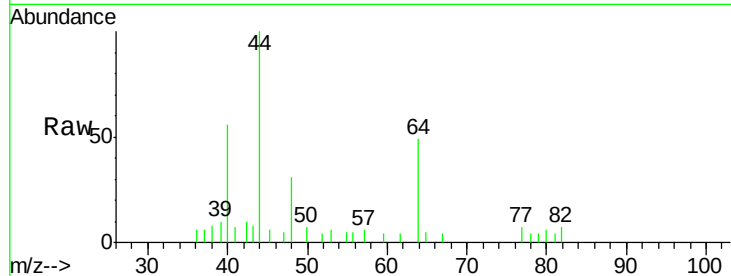
ST008MW186-190429

Tot Ion: 64 Resp: 2750

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 4.615 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

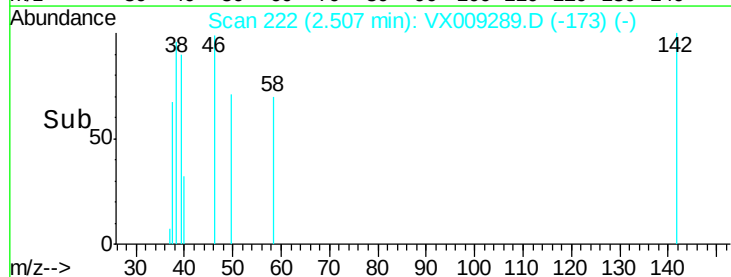
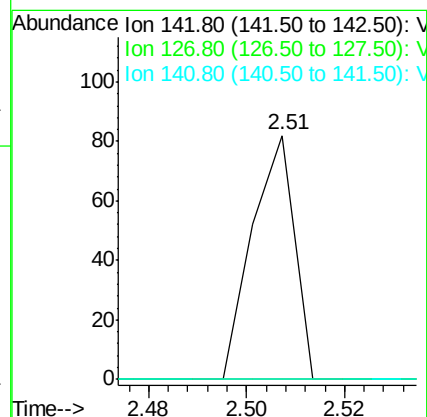
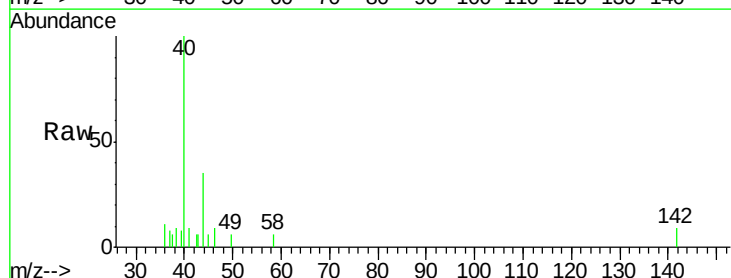
Tgt Ion: 142 Resp: 49

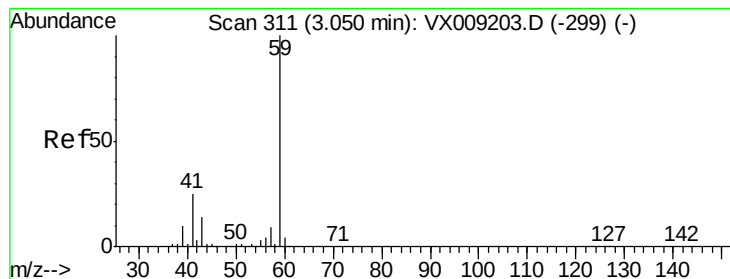
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



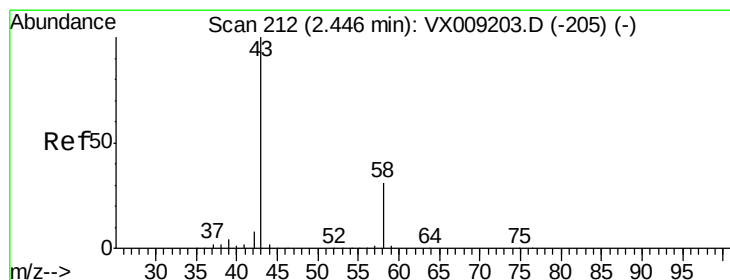
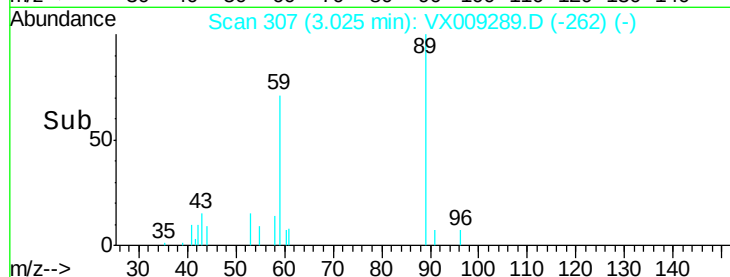
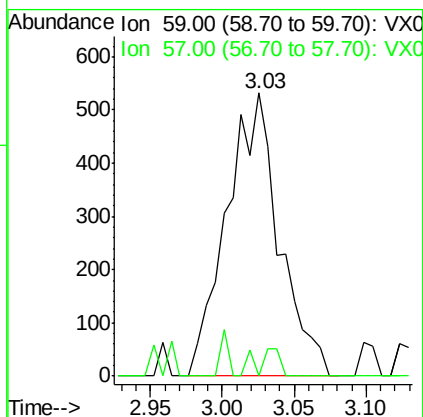
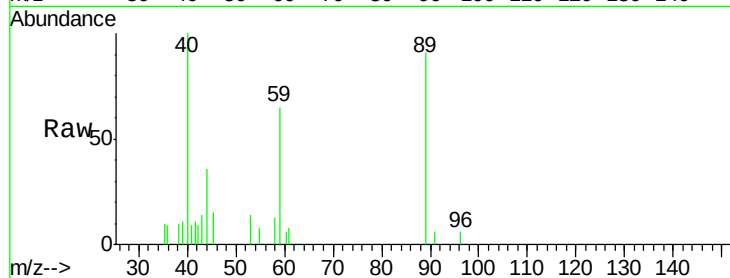


#11

Tert butyl alcohol
 Concen: 2.214 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009289.D
 Acq: 02 May 2019 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW186-190429

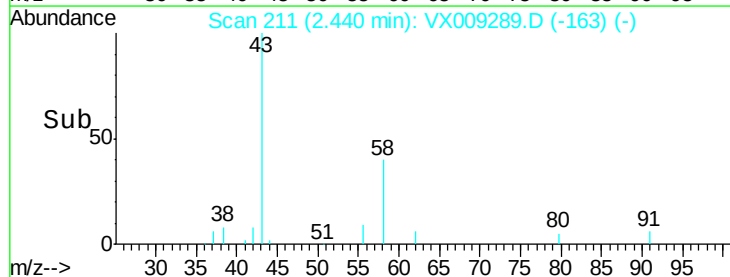
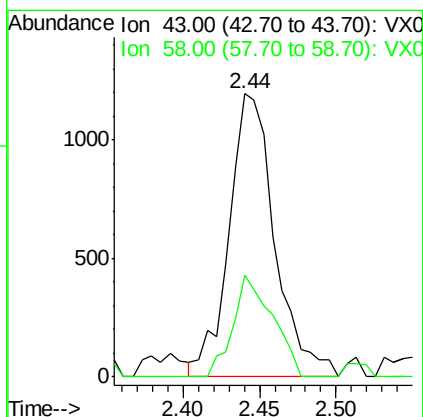
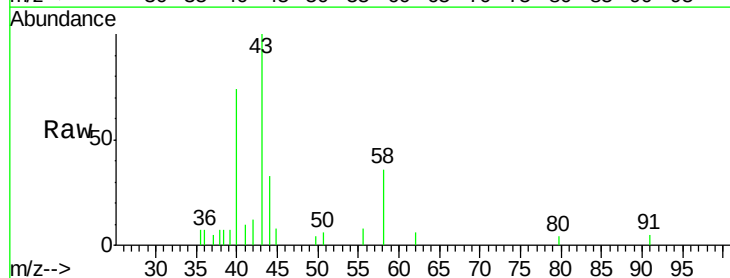
Tot Ion: 59 Resp: 1349
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.2 12.2#

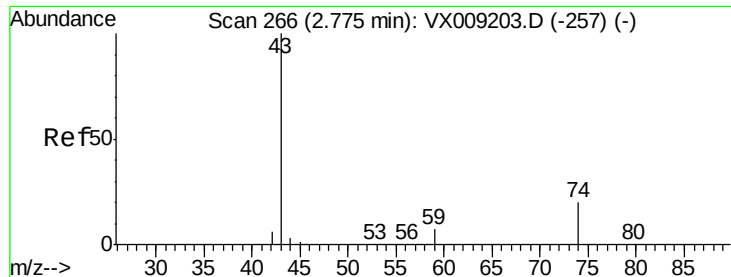


#16

Acetone
 Concen: 1.757 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009289.D
 Acq: 02 May 2019 21:33

Tgt Ion: 43 Resp: 2483
 Ion Ratio Lower Upper
 43 100
 58 35.9 24.9 37.3





#18

Methyl Acetate

Concen: 0.239 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

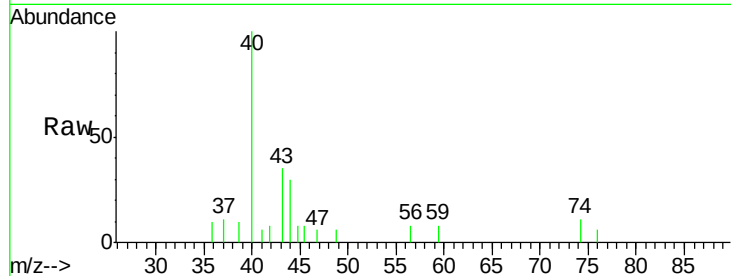
ST008MW186-190429

Tot Ion: 43 Resp: 804

Ion Ratio Lower Upper

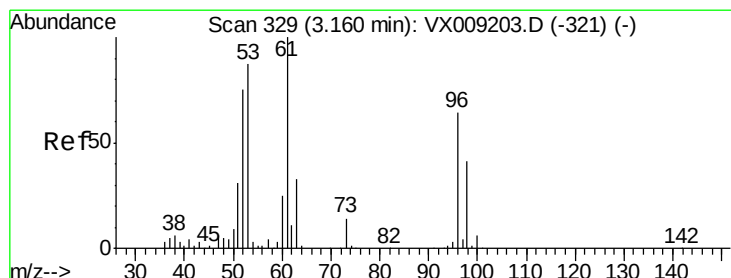
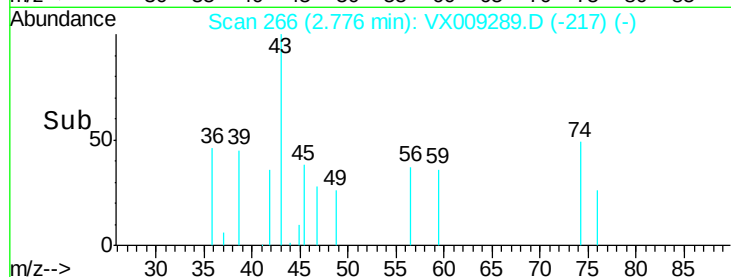
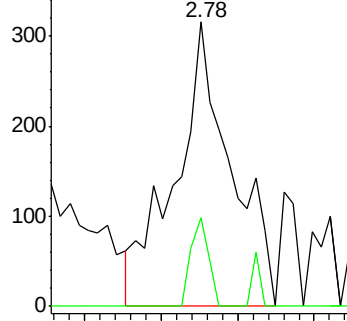
43 100

74 9.7 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 1.166 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

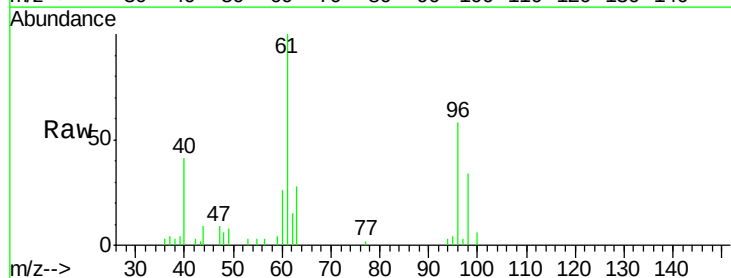
Tgt Ion: 96 Resp: 2287

Ion Ratio Lower Upper

96 100

61 172.1 124.5 186.7

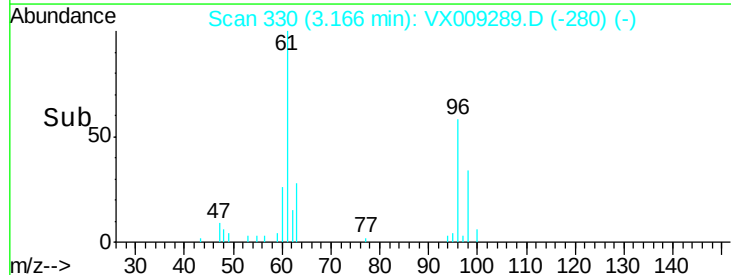
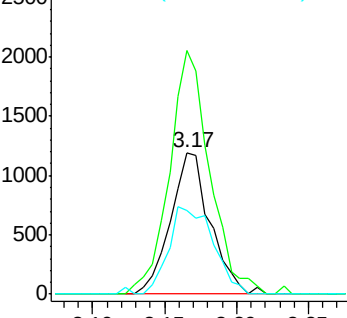
98 59.3 50.4 75.6

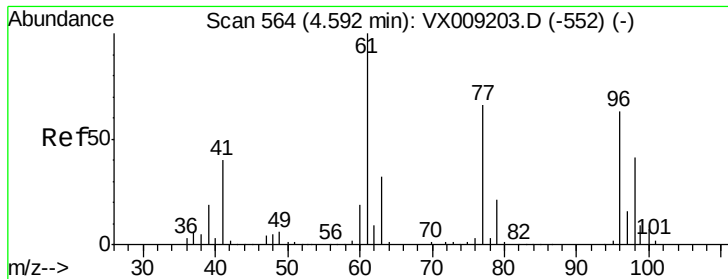


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



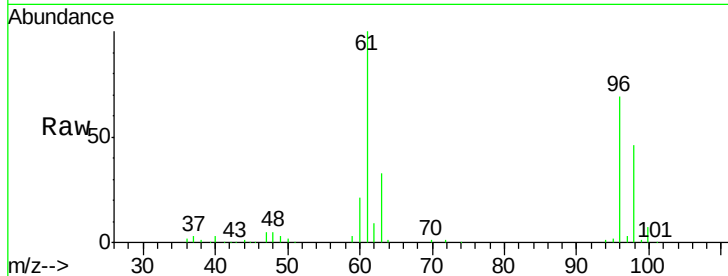


#27

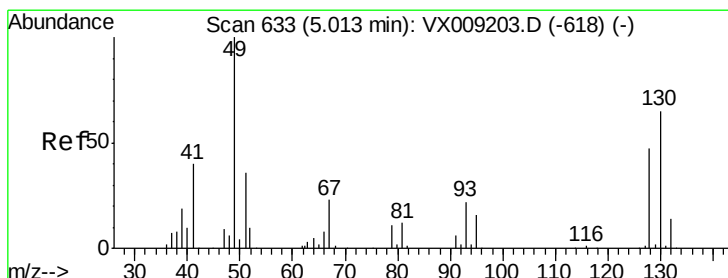
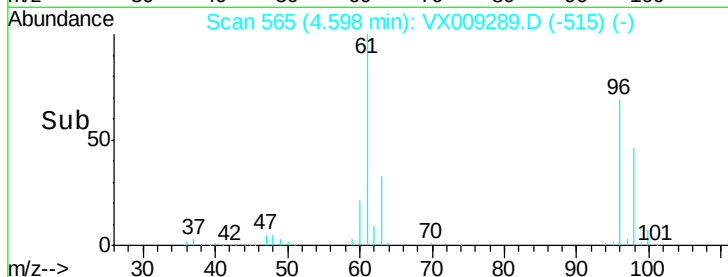
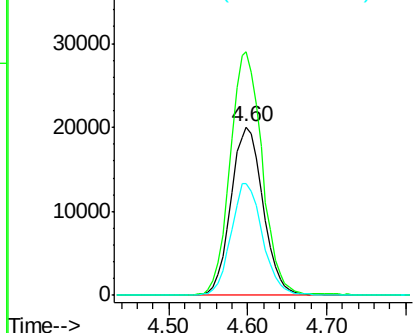
cis-1,2-Dichloroethene
 Concen: 24.390 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009289.D
 Acq: 02 May 2019 21:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW186-190429

Tot Ion: 96 Resp: 57118
 Ion Ratio Lower Upper
 96 100
 61 143.4 0.0 324.0
 98 64.8 0.0 130.4



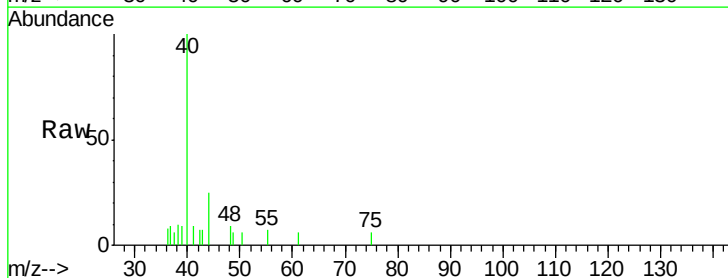
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



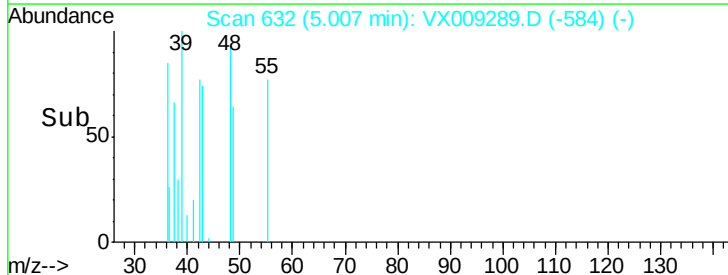
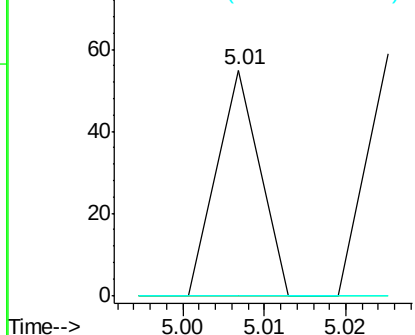
#28

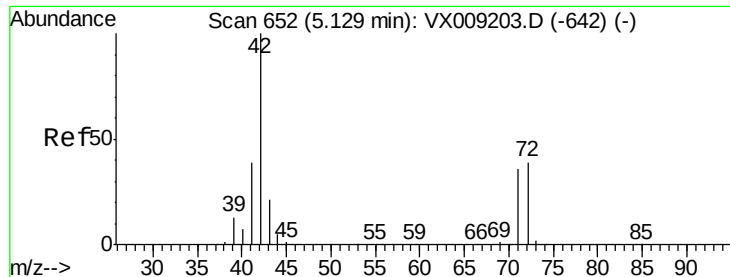
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009289.D
 Acq: 02 May 2019 21:33

Tgt Ion: 49 Resp: 20
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 51.2 76.8#



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





#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW186-190429

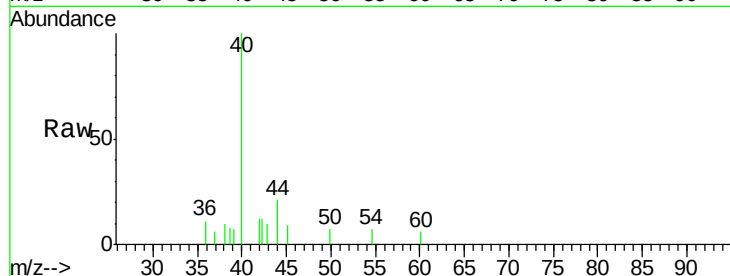
Tot Ion: 42 Resp: 383

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

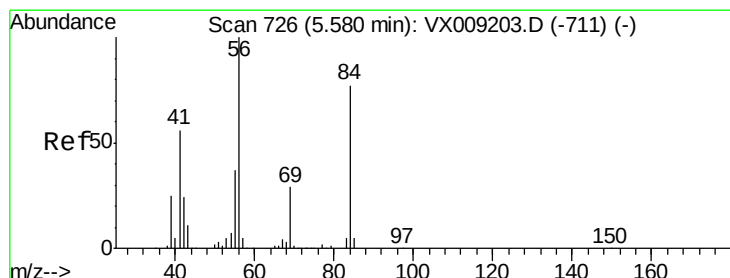
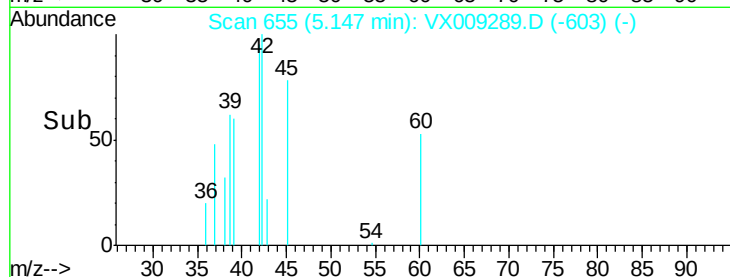
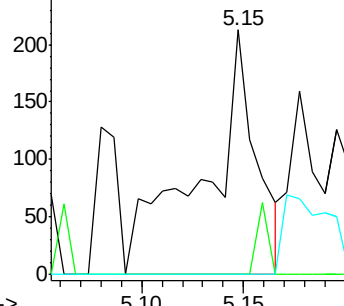
71 0.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.058 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

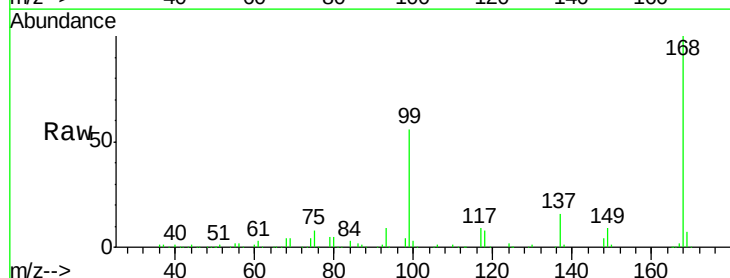
Tgt Ion: 56 Resp: 4117

Ion Ratio Lower Upper

56 100

69 172.3 23.4 35.0#

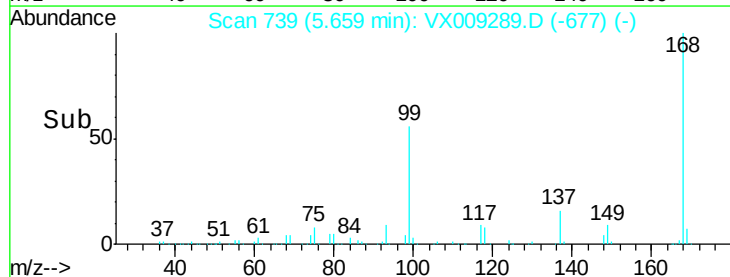
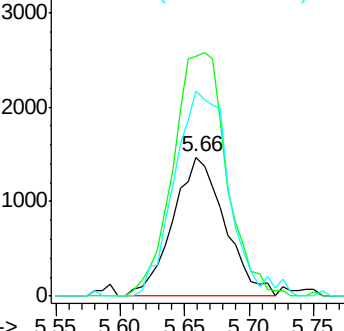
84 147.6 61.9 92.9#

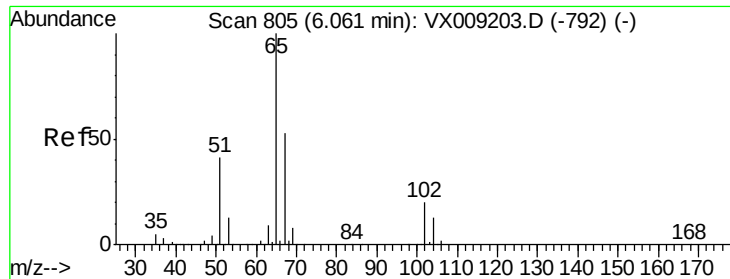


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

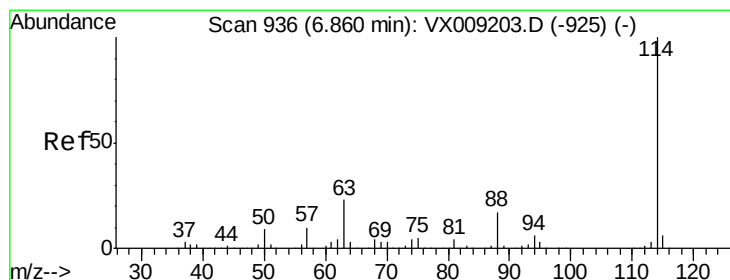
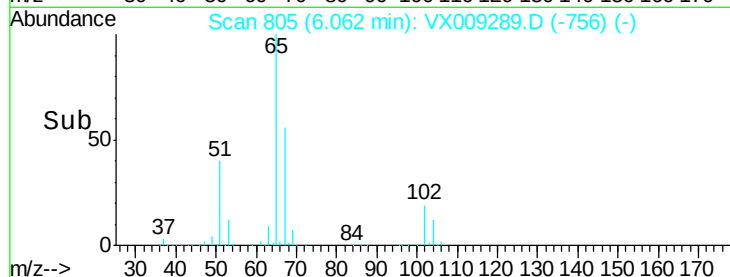
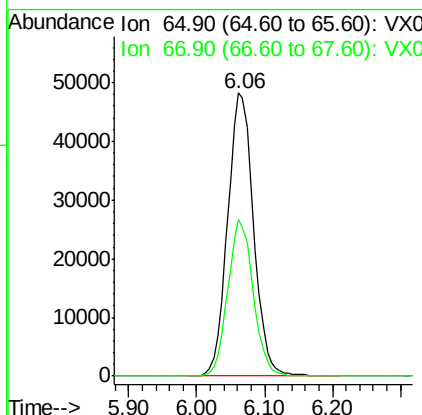
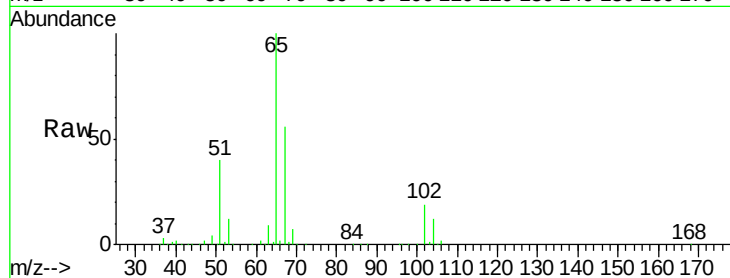




#33
 1,2-Dichloroethane-d4
 Concen: 48.379 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009289.D
 Acq: 02 May 2019 21:33

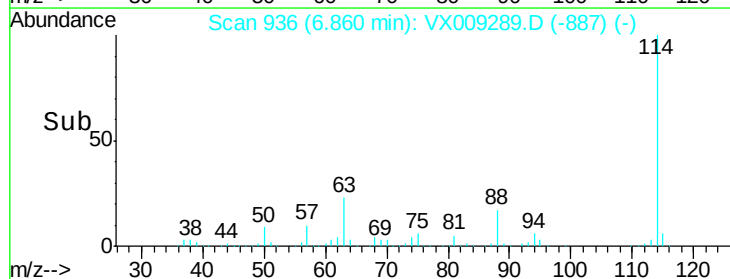
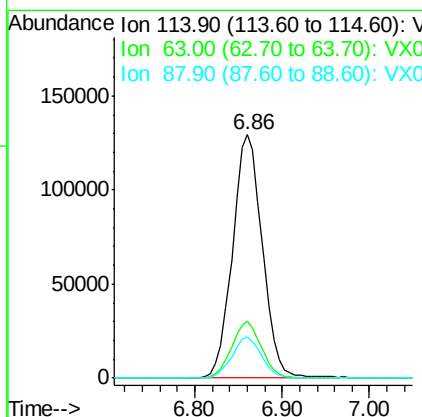
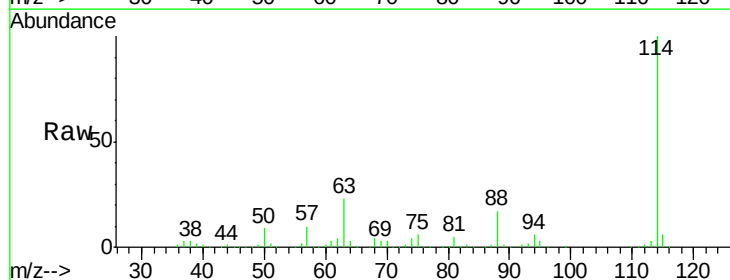
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW186-190429

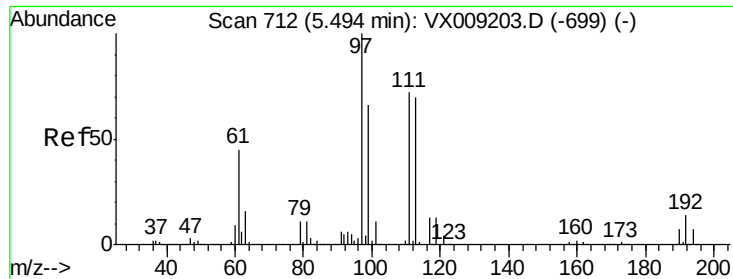
Tot Ion: 65 Resp: 127339
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009289.D
 Acq: 02 May 2019 21:33

Tgt Ion: 114 Resp: 306705
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.134 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW186-190429

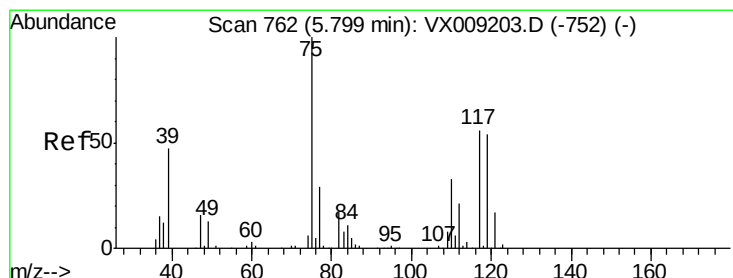
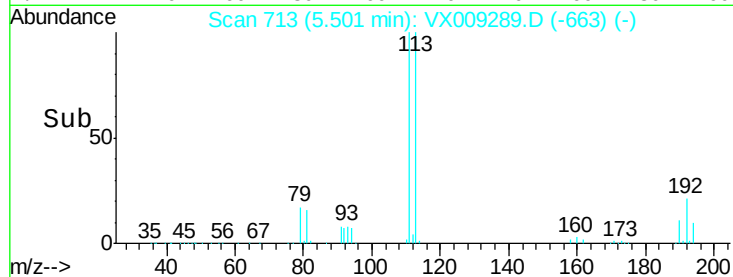
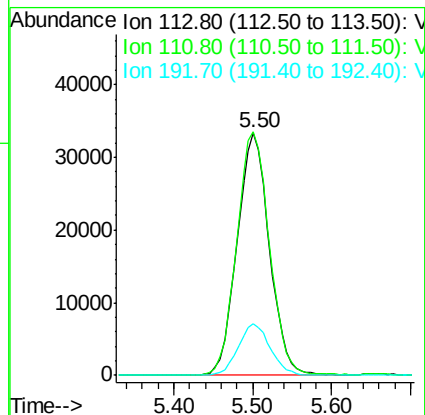
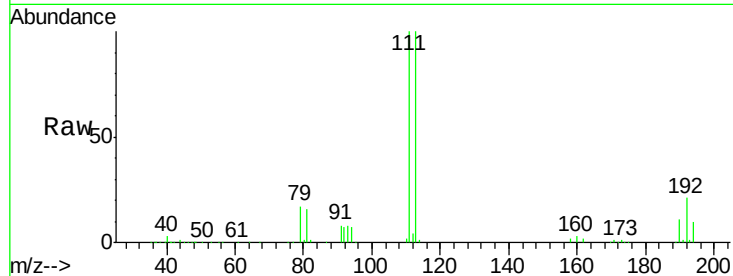
Tot Ion:113 Resp: 94733

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

192 21.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.202 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

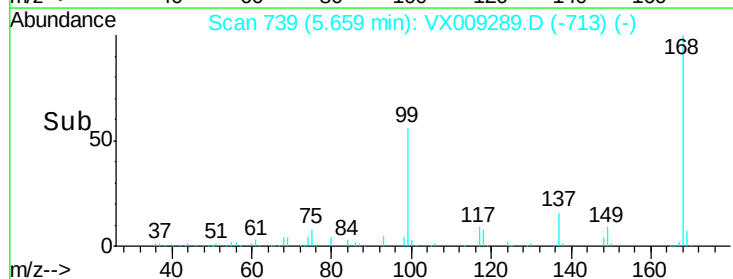
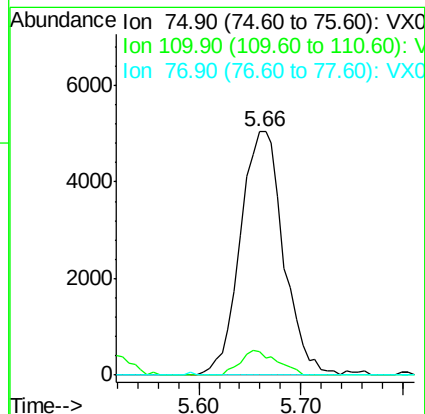
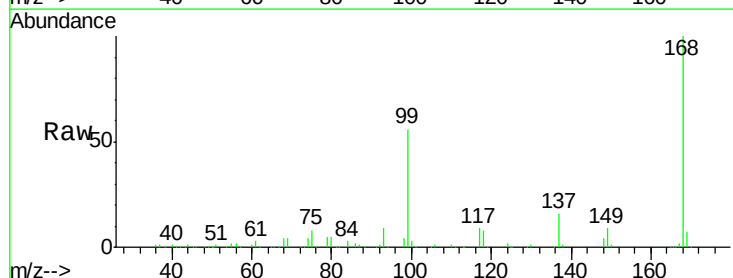
Tgt Ion: 75 Resp: 14826

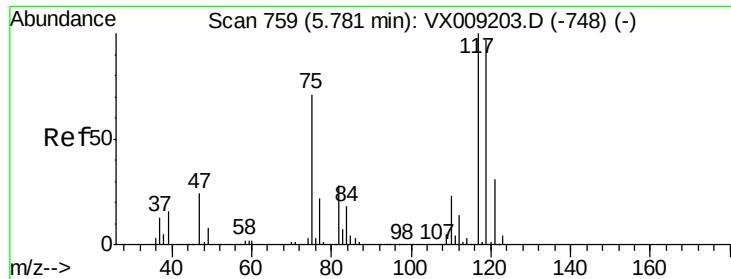
Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.6#

77 0.0 24.8 37.2#

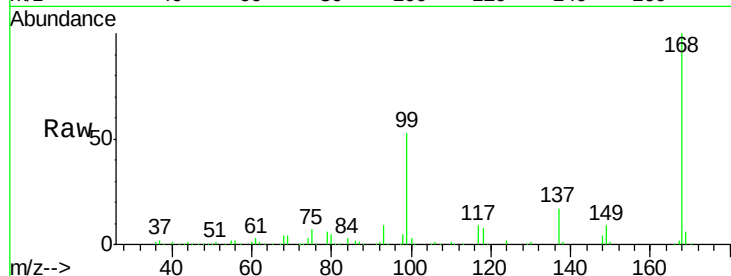




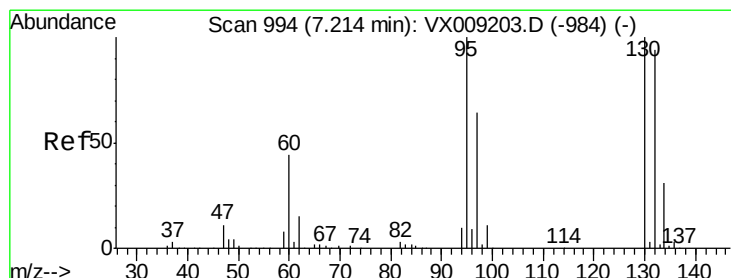
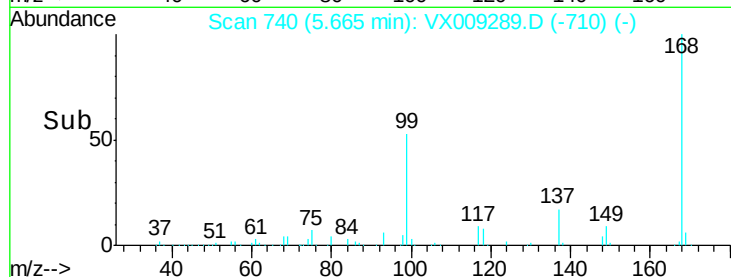
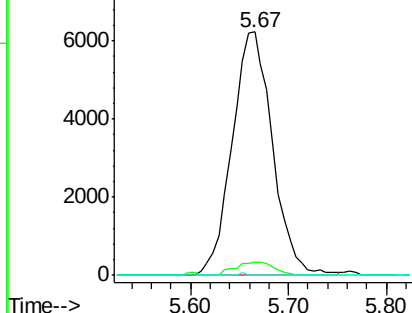
#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009289.D
Acq: 02 May 2019 21:33

Instrument :
MSVOA_X
ClientSampleId :
ST008MW186-190429

Tot Ion:117 Resp: 17809
Ion Ratio Lower Upper
117 100
119 5.4 77.5 116.3#
121 0.0 24.7 37.1#

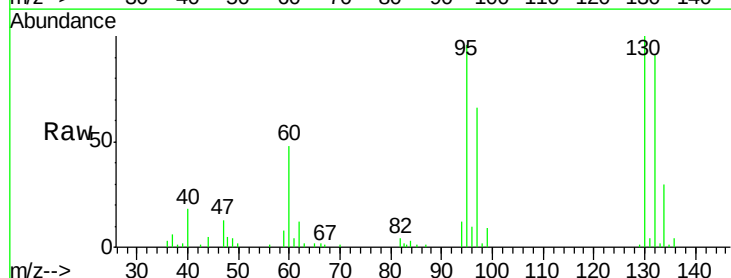


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

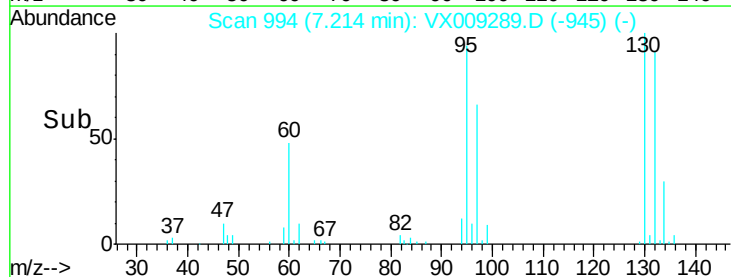
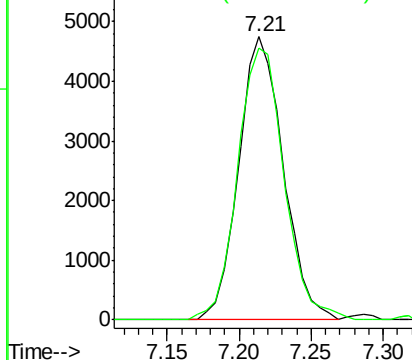


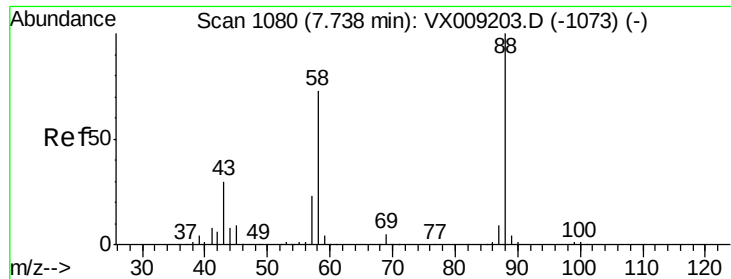
#44
Trichloroethene
Concen: 4.775 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009289.D
Acq: 02 May 2019 21:33

Tgt Ion:130 Resp: 10183
Ion Ratio Lower Upper
130 100
95 95.9 0.0 199.2



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

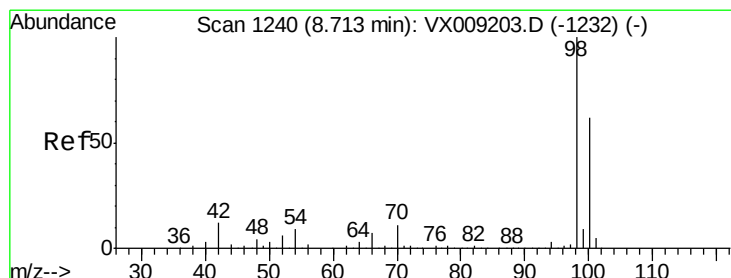
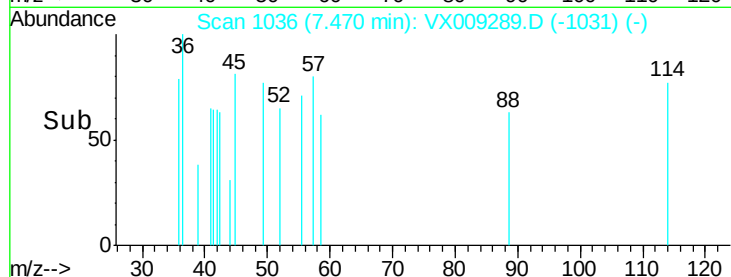
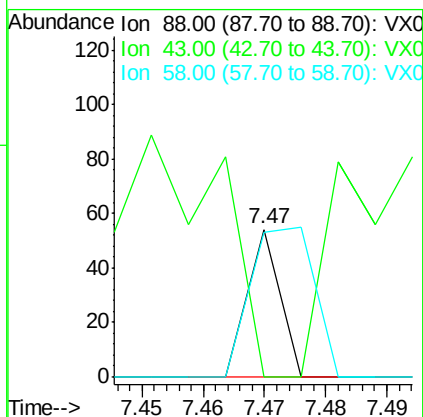
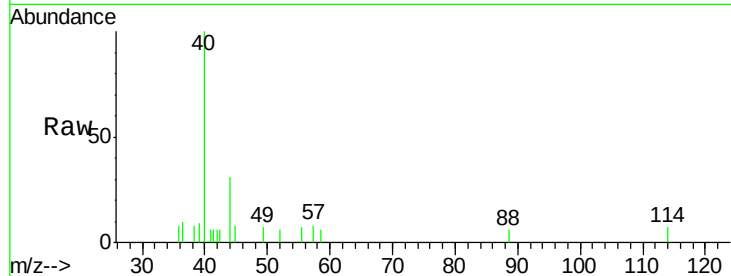




#49
1,4-Dioxane
Concen: 0.313 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. -0.27 min
Lab File: VX009289.D
Acq: 02 May 2019 21:33

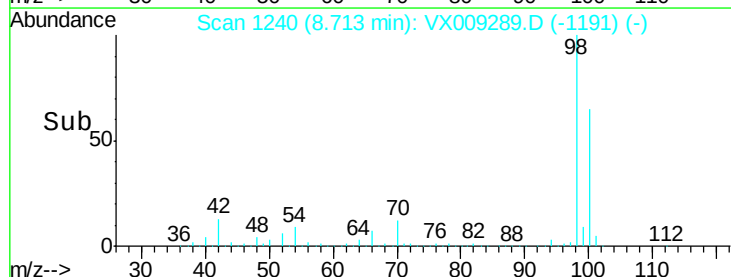
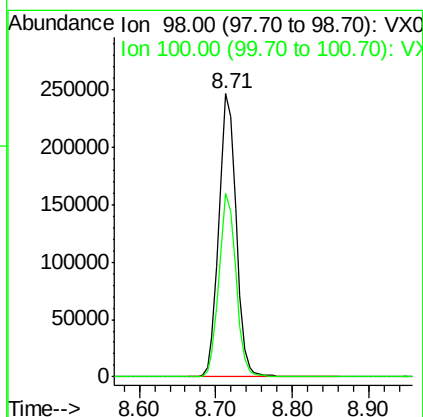
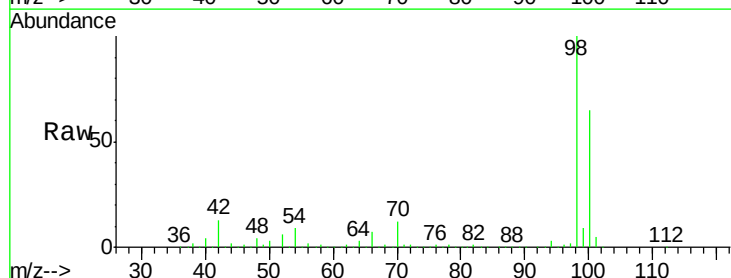
Instrument :
MSVOA_X
ClientSampleId :
ST008MW186-190429

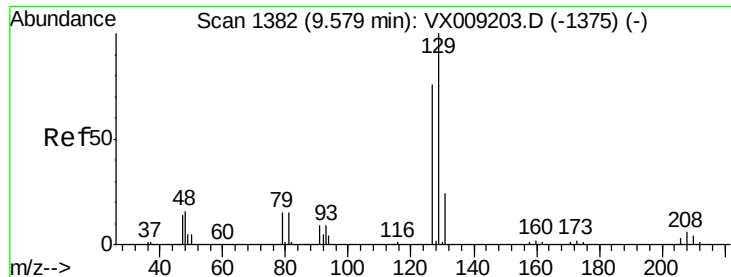
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 200.0 61.7 92.5#



#50
Toluene-d8
Concen: 49.873 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009289.D
Acq: 02 May 2019 21:33

Tgt Ion: 98 Resp: 388218
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#60

Dibromochloromethane

Concen: 9.398 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

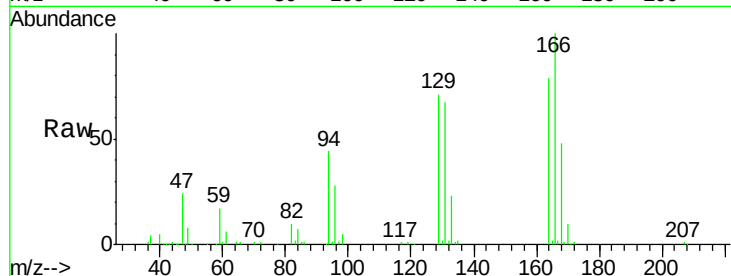
ST008MW186-190429

Tot Ion:129 Resp: 20079

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

15000

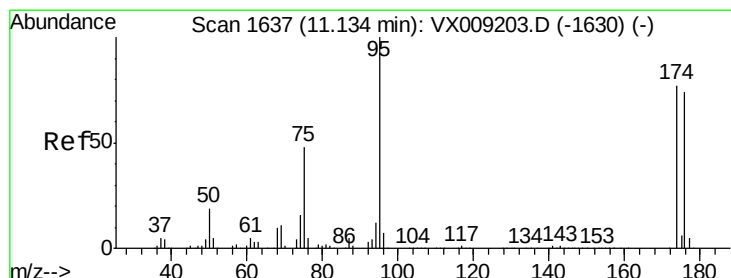
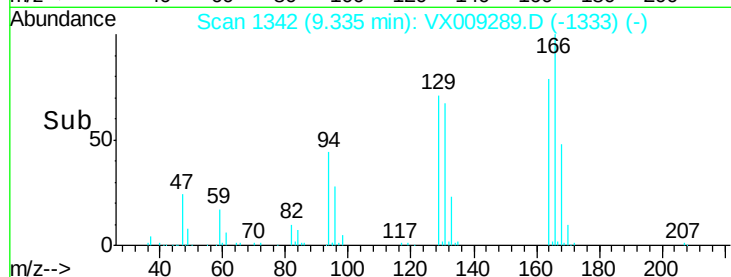
10000

5000

0

Time-->

9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 46.331 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

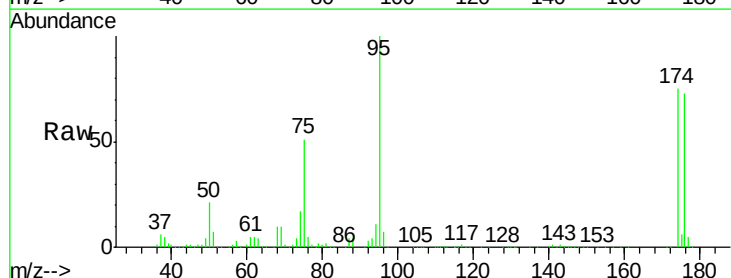
Tgt Ion: 95 Resp: 131046

Ion Ratio Lower Upper

95 100

174 80.2 0.0 161.6

176 78.6 0.0 159.2



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

11.13

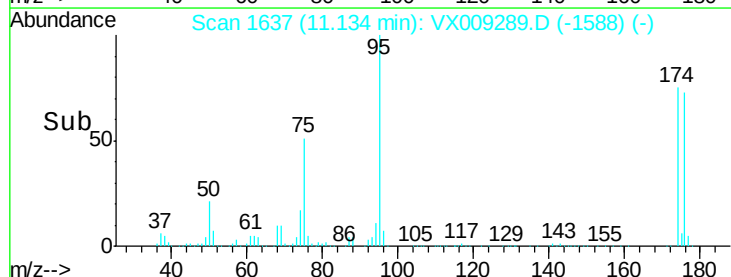
100000

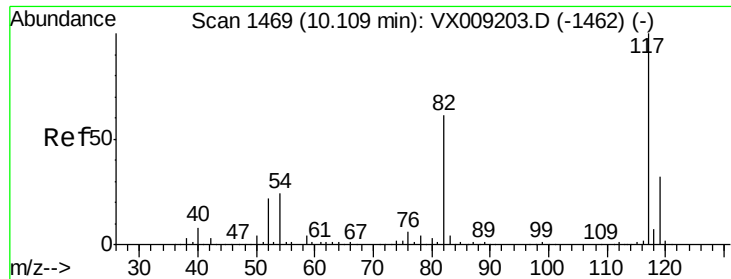
50000

0

Time-->

11.10 11.20

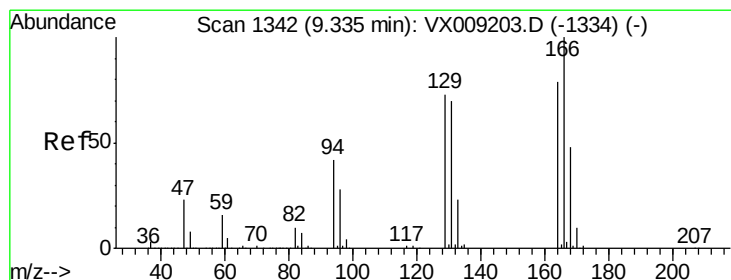
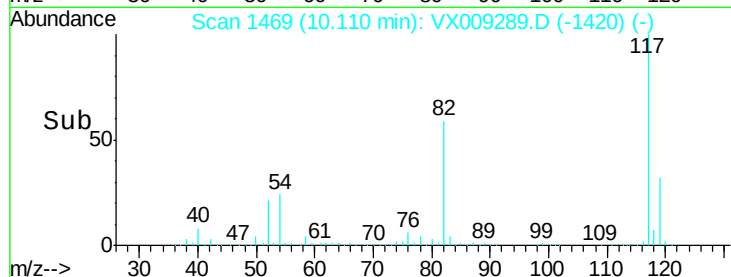
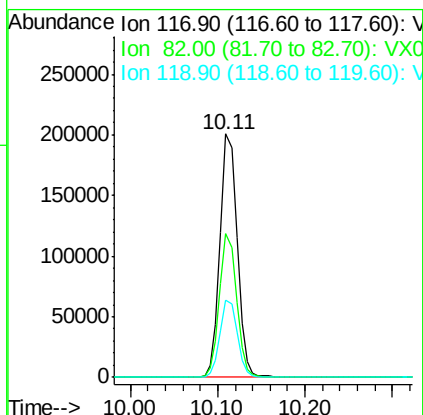
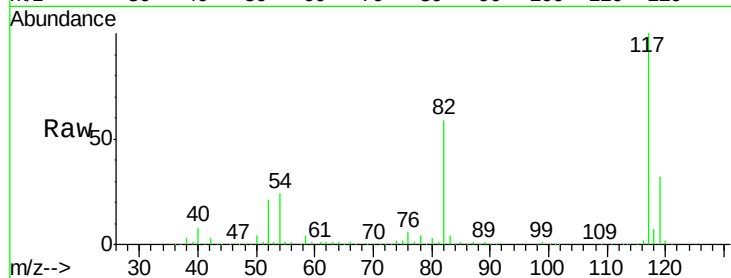




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009289.D
Acq: 02 May 2019 21:33

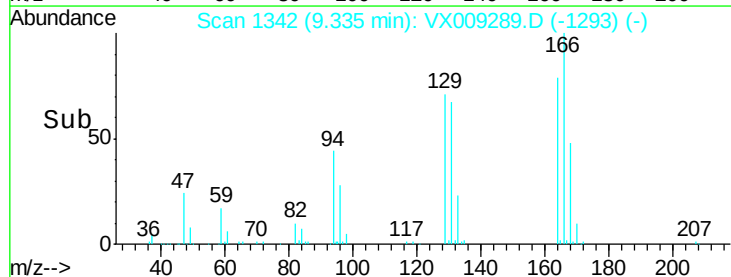
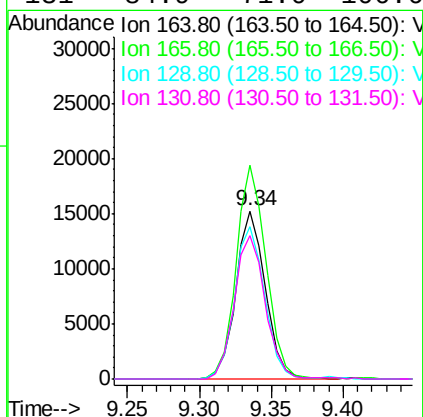
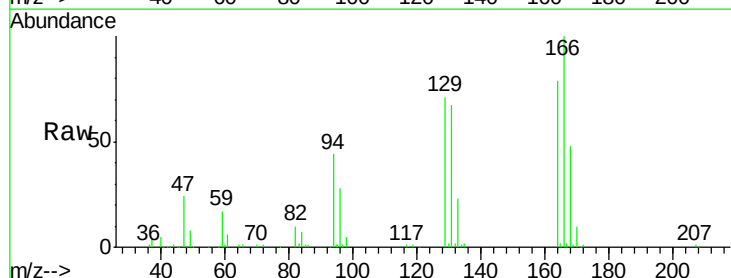
Instrument :
MSVOA_X
ClientSampleId :
ST008MW186-190429

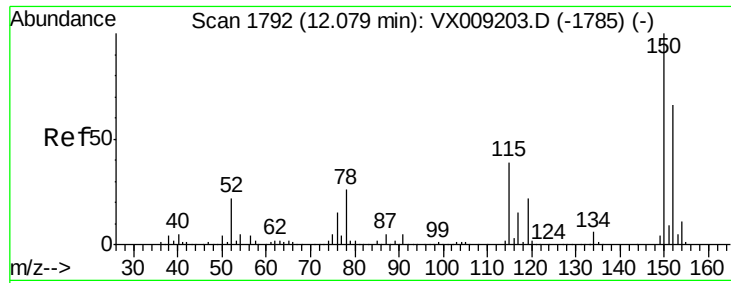
Tot Ion:117 Resp: 274475
Ion Ratio Lower Upper
117 100
82 59.1 48.8 73.2
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 11.533 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009289.D
Acq: 02 May 2019 21:33

Tgt Ion:164 Resp: 21715
Ion Ratio Lower Upper
164 100
166 126.9 101.2 151.8
129 90.3 74.3 111.5
131 84.9 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW186-190429

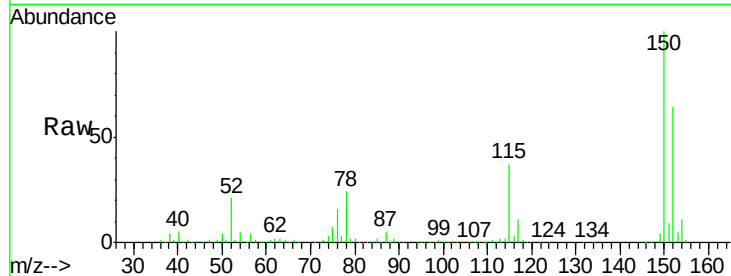
Tot Ion:152 Resp: 118936

Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

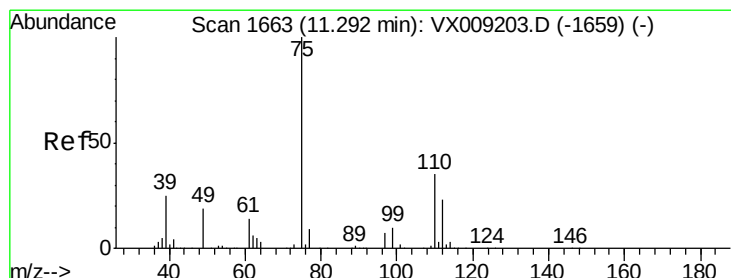
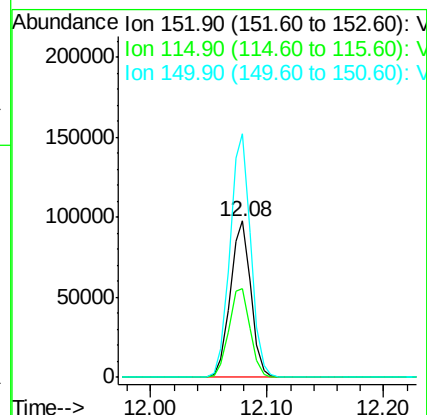
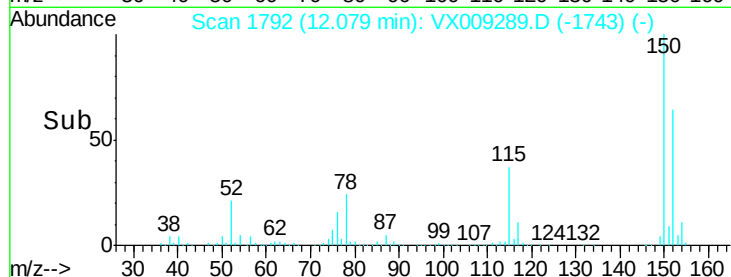
150 156.1 0.0 346.4



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: 24.062 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009289.D

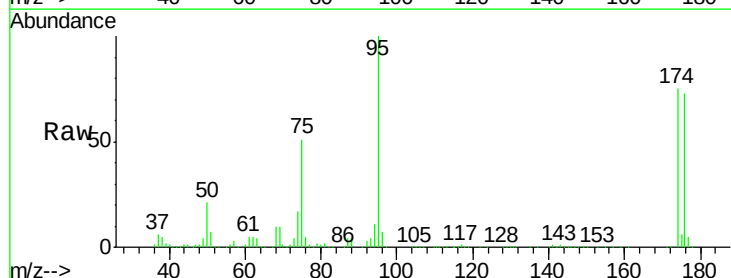
Acq: 02 May 2019 21:33

Tgt Ion: 75 Resp: 66384

Ion Ratio Lower Upper

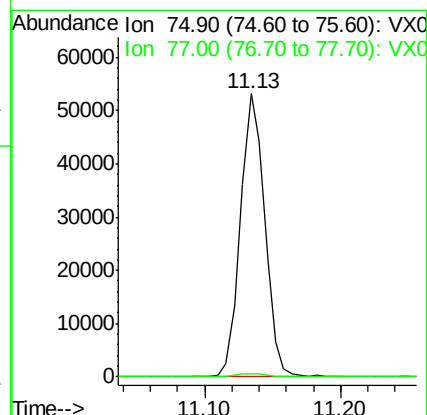
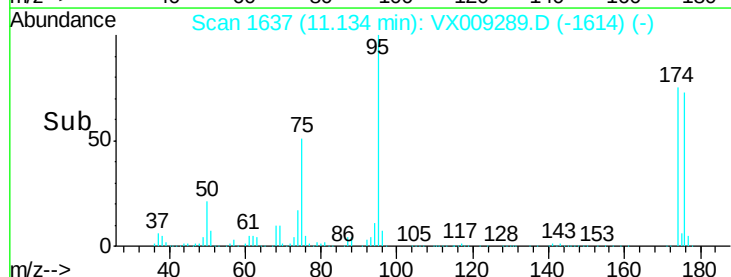
75 100

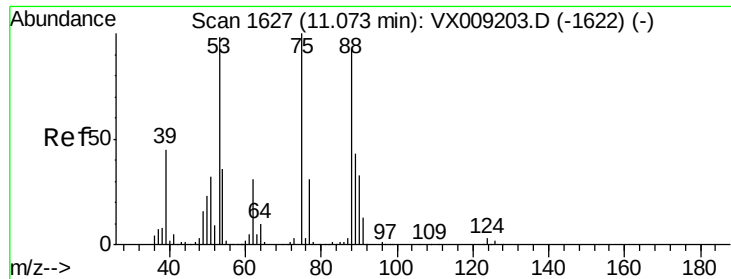
77 1.3 22.1 66.1#



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: 61.566 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009289.D

Acq: 02 May 2019 21:33

Instrument :

MSVOA_X

ClientSampleId :

ST008MW186-190429

Tot Ion: 75 Resp: 66384

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

