

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009503.D
 Acq On : 10 May 2019 23:57
 Operator : JC/SP
 Sample : K2810-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW764-190509

Quant Time: May 11 03:33:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	179782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108252	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	118125	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	5.50	113	88187	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	8.71	98	363504	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	119205	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

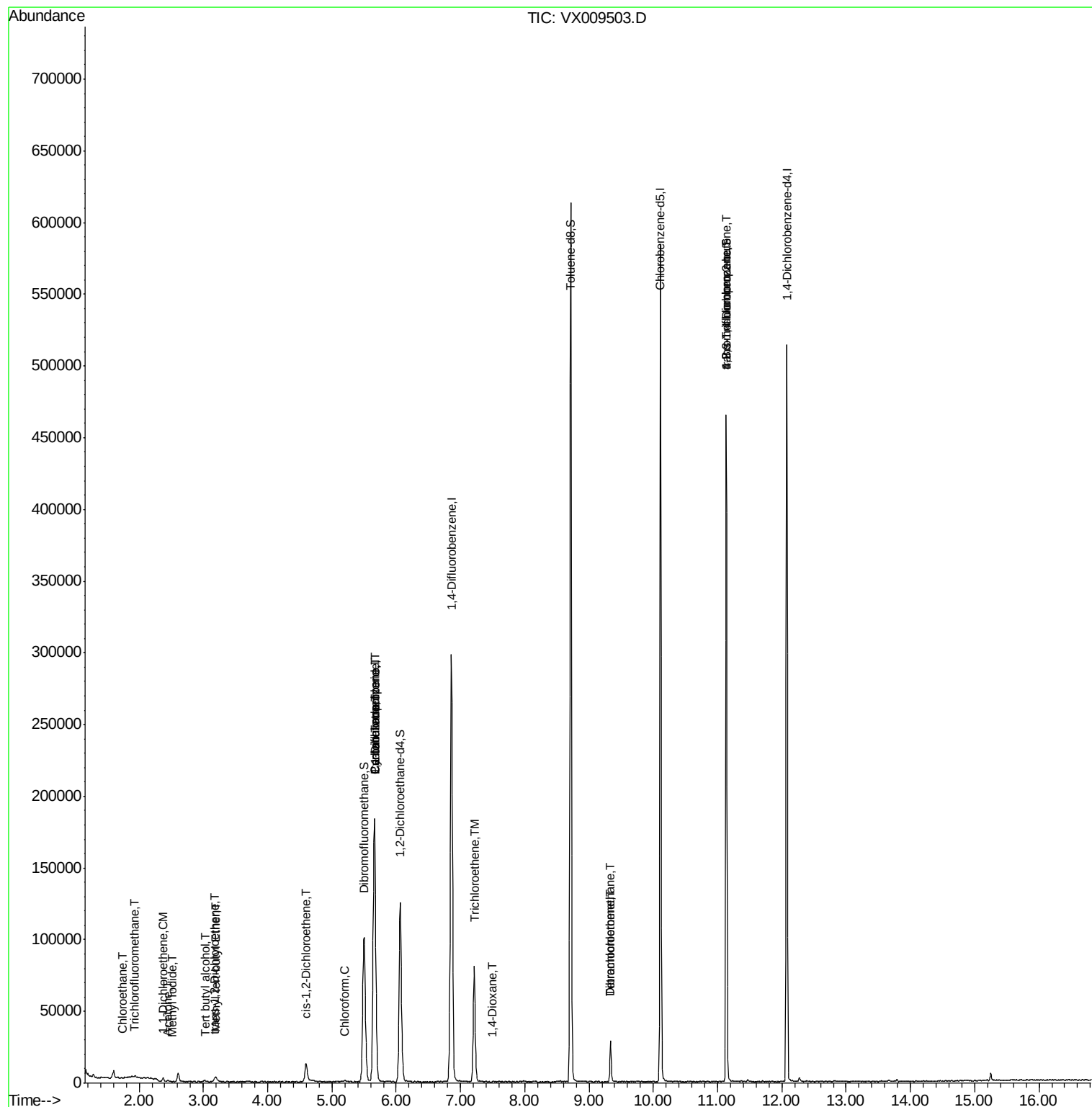
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	448	0.316	ug/l #	43
7) Trichlorofluoromethane	1.93	101	588	0.219	ug/l #	54
10) Methyl Iodide	2.51	142	89	4.635	ug/l #	42
11) Tert butyl alcohol	3.02	59	761	1.340	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	868	0.515	ug/l #	91
16) Acetone	2.44	43	1024	0.777	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	3344	0.510	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	569	0.311	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	7842	3.591	ug/l	88
28) Bromochloromethane	5.00	49	43	Below Cal	#	20
30) Chloroform	5.21	83	861	0.244	ug/l	87
31) Cyclohexane	5.67	56	3841	1.059	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13926	5.173	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17341	7.090	ug/l #	16
44) Trichloroethene	7.21	130	30139	14.965	ug/l	96
49) 1,4-Dioxane	7.50	88	19	0.315	ug/l #	20
60) Dibromochloromethane	9.34	129	5163	2.559	ug/l #	11
64) Tetrachloroethene	9.34	164	5664	3.254	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	60612	24.138	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60612	61.761	ug/l #	10

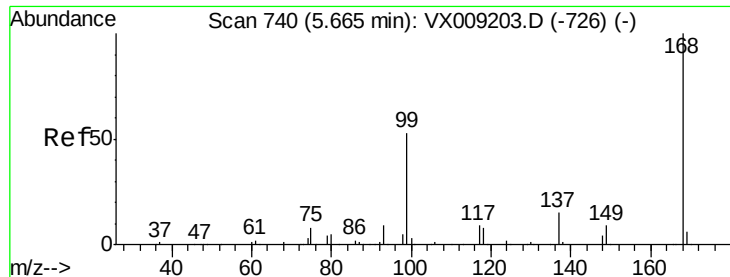
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

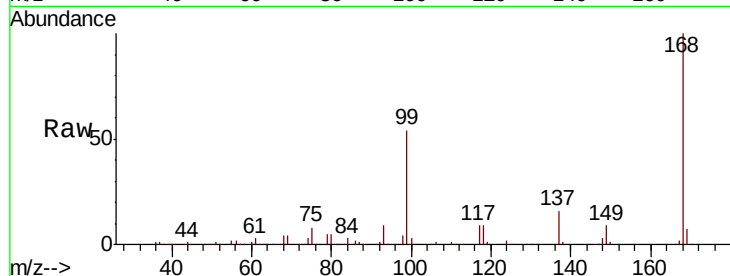
SS052MW764-190509

Tot Ion:168 Resp: 179782

Ion Ratio Lower Upper

168 100

99 54.1 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

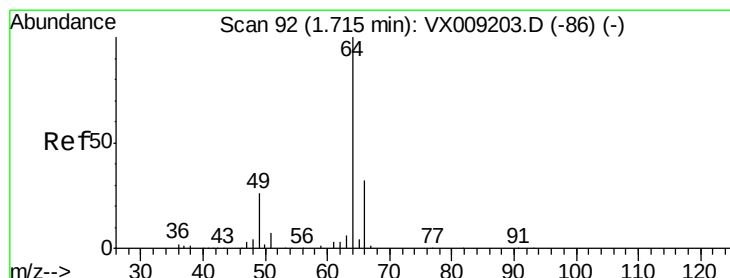
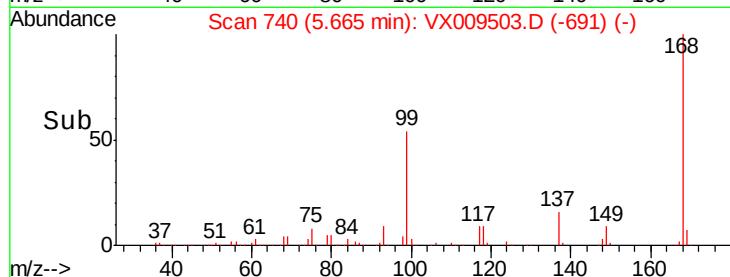
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.316 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX009503.D

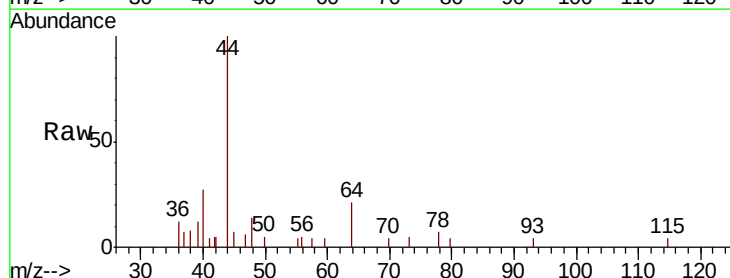
Acq: 10 May 2019 23:57

Tgt Ion: 64 Resp: 448

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

500

400

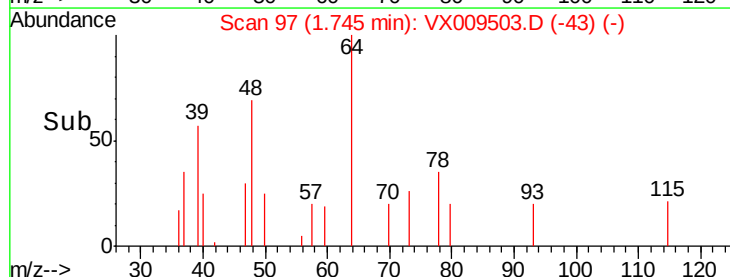
300

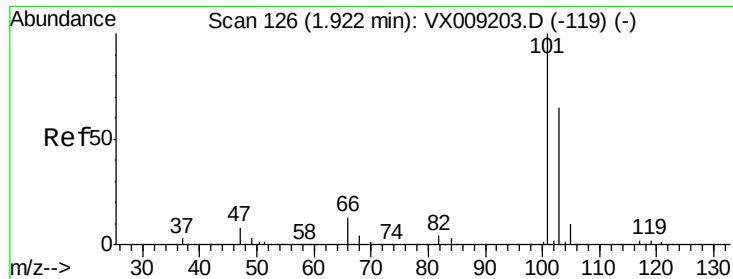
200

100

0

Time--> 1.70 1.75



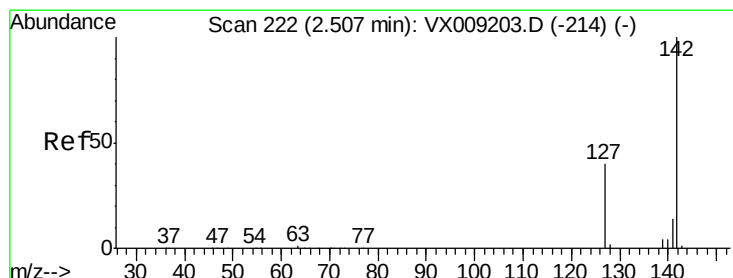
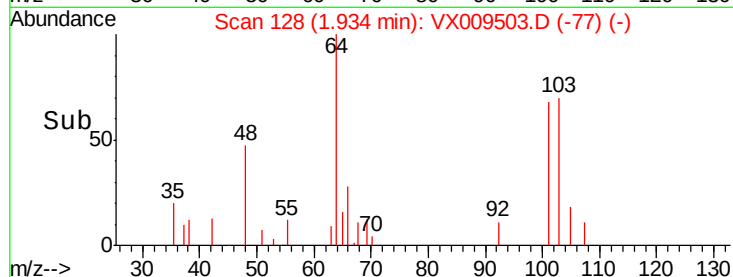
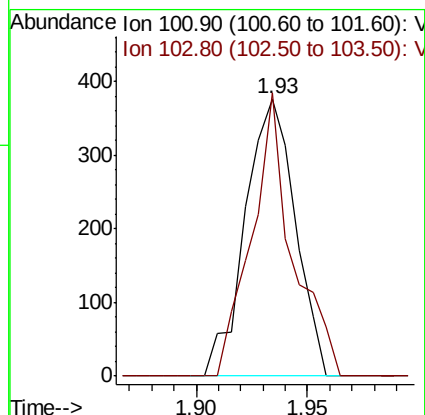
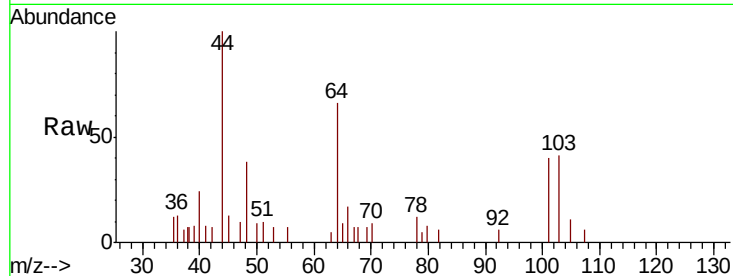


#7

Trichlorofluoromethane
 Concen: 0.219 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX009503.D
 Acq: 10 May 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW764-190509

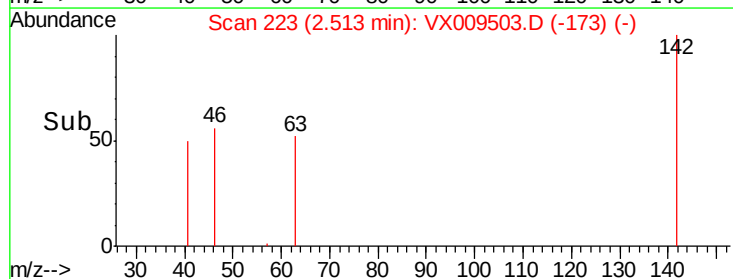
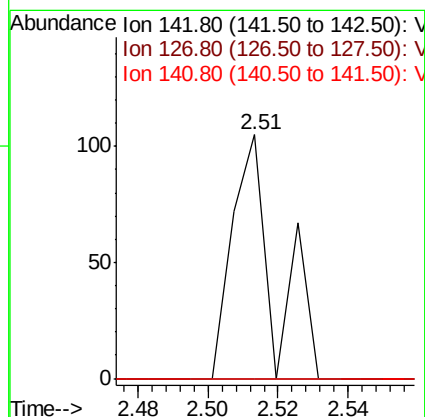
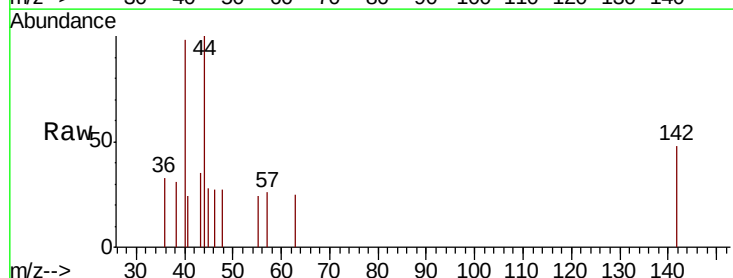
Tot Ion:101 Resp: 588
 Ion Ratio Lower Upper
 101 100
 103 102.1 52.4 78.6#

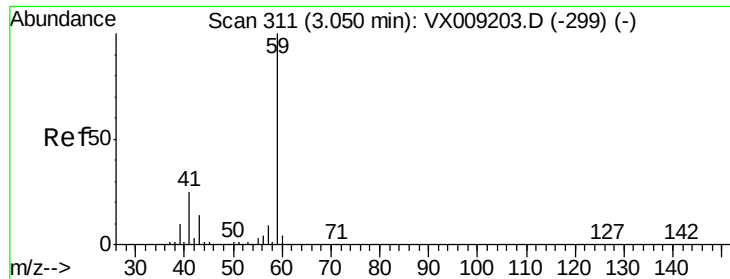


#10

Methyl Iodide
 Concen: 4.635 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX009503.D
 Acq: 10 May 2019 23:57

Tgt Ion:142 Resp: 89
 Ion Ratio Lower Upper
 142 100
 127 0.0 32.7 49.1#
 141 0.0 11.5 17.3#

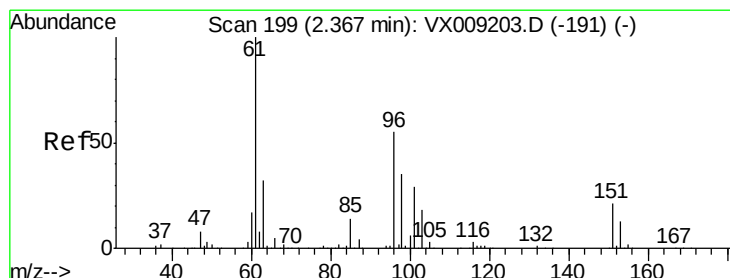
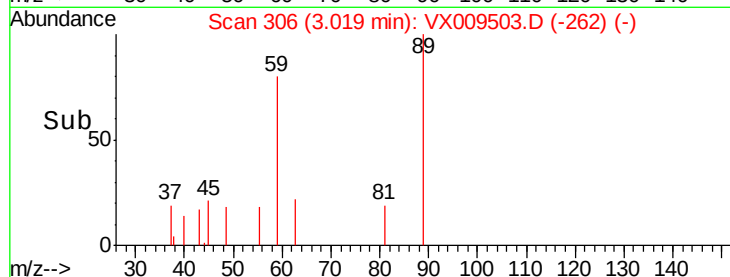
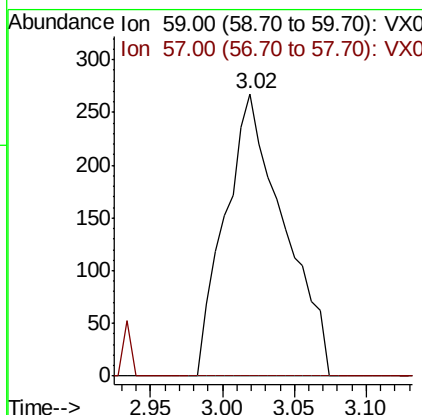
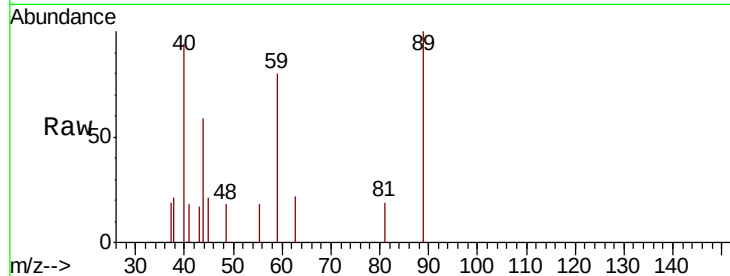




#11
Tert butyl alcohol
Concen: 1.340 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

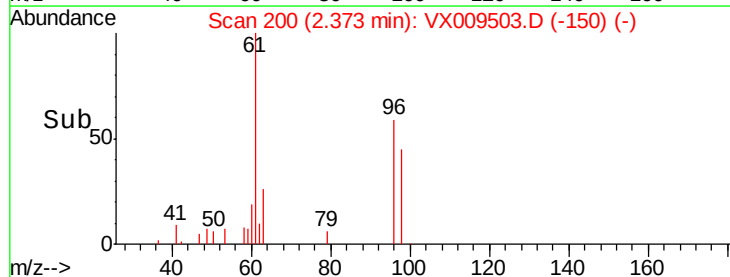
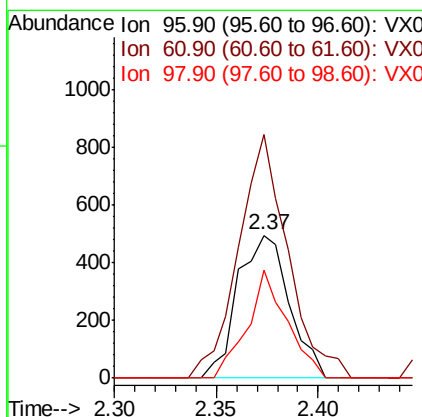
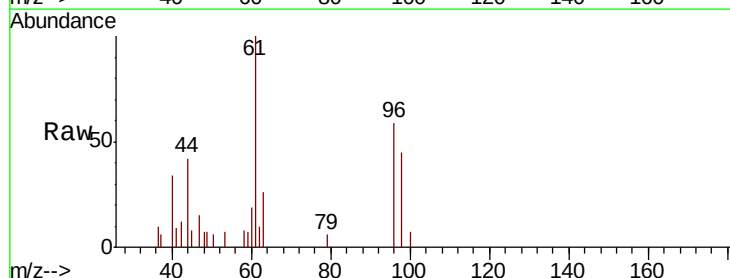
Instrument :
MSVOA_X
ClientSampleId :
SS052MW764-190509

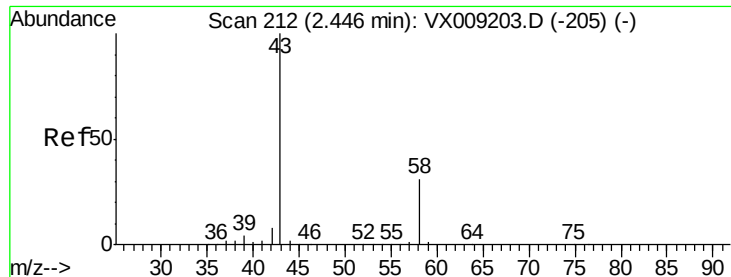
Tot Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.515 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

Tgt Ion: 96 Resp: 868
Ion Ratio Lower Upper
96 100
61 170.6 144.3 216.5
98 76.1 50.3 75.5#





#16

Acetone

Concen: 0.777 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

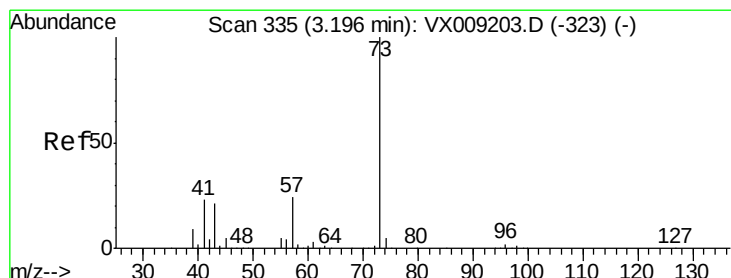
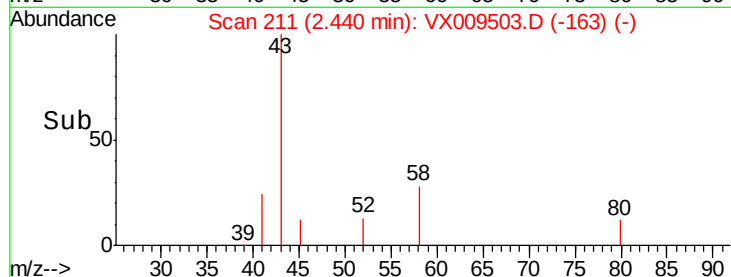
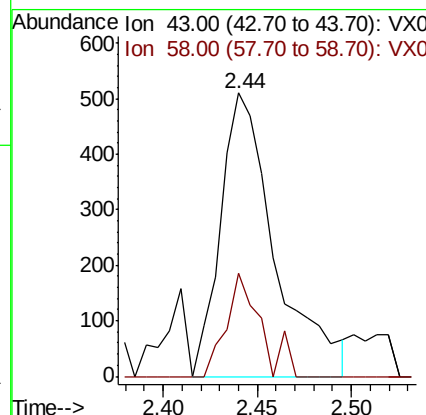
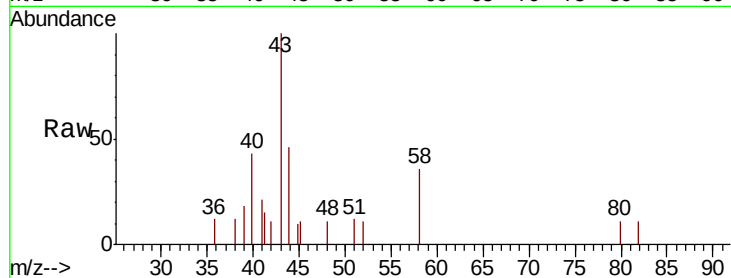
SS052MW764-190509

Tot Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 36.3 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 0.510 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX009503.D

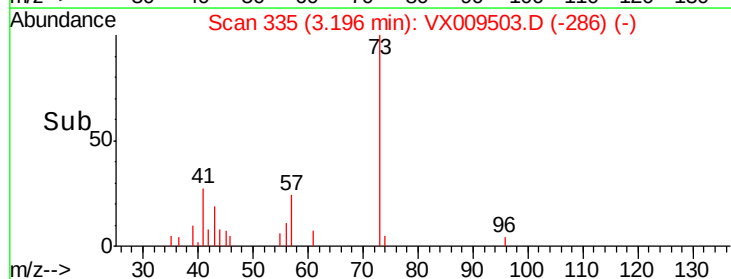
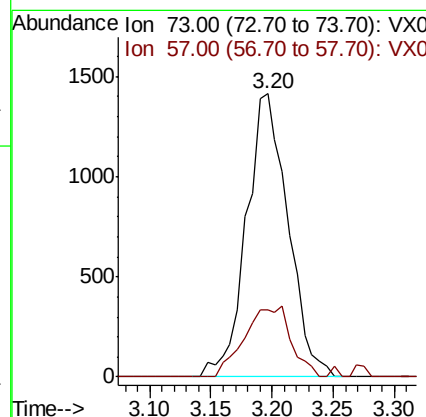
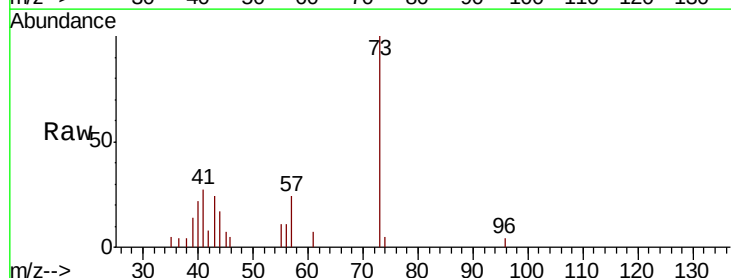
Acq: 10 May 2019 23:57

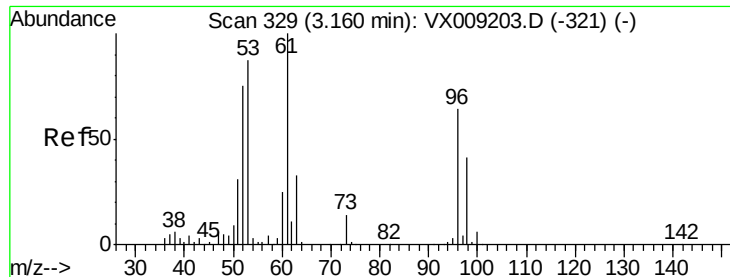
Tgt Ion: 73 Resp: 3344

Ion Ratio Lower Upper

73 100

57 23.7 19.3 28.9





#21

trans-1,2-Dichloroethene

Concen: 0.311 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-190509

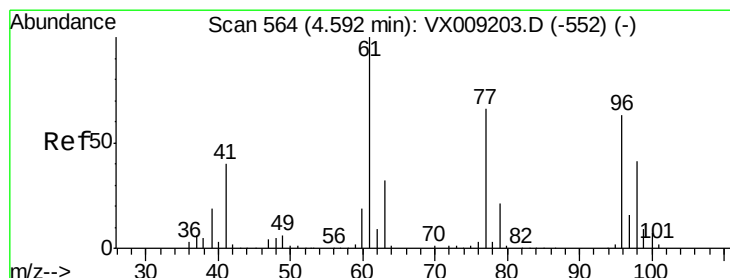
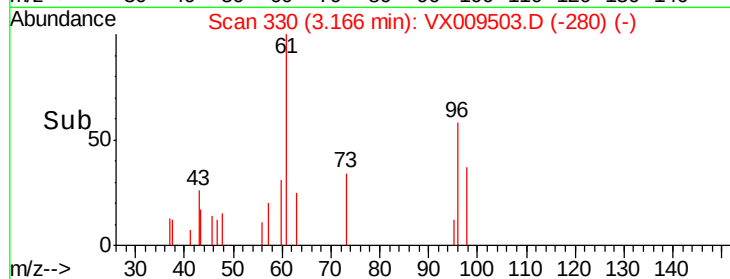
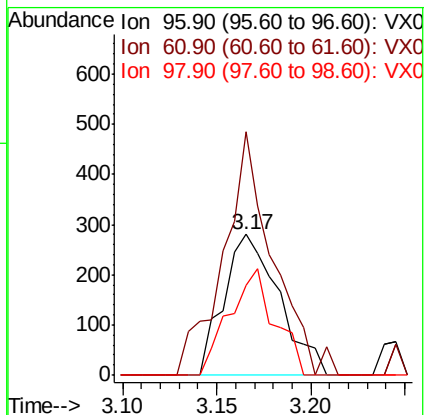
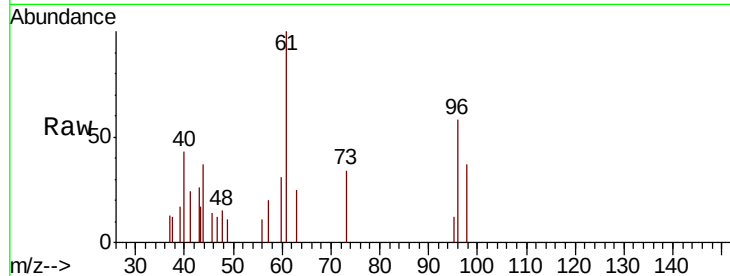
Tot Ion: 96 Resp: 569

Ion Ratio Lower Upper

96 100

61 173.2 124.5 186.7

98 63.6 50.4 75.6



#27

cis-1,2-Dichloroethene

Concen: 3.591 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

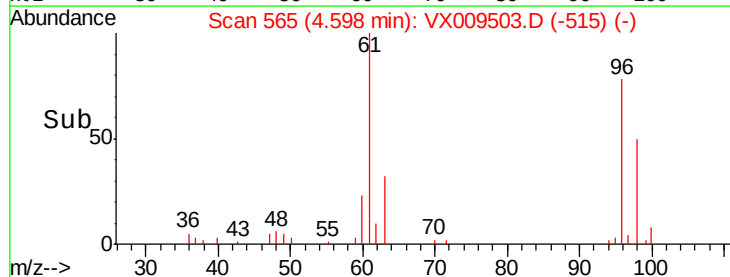
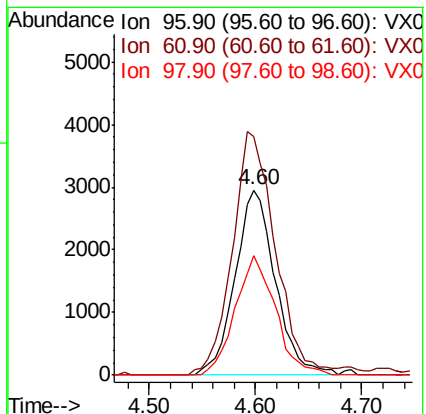
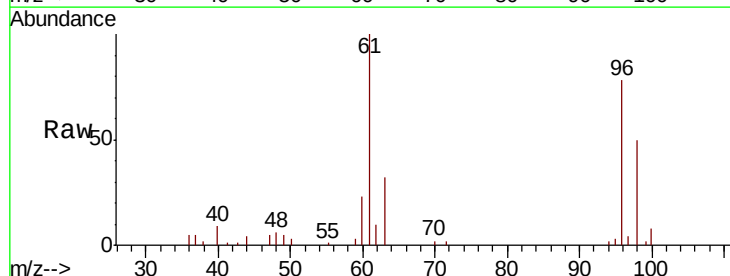
Tgt Ion: 96 Resp: 7842

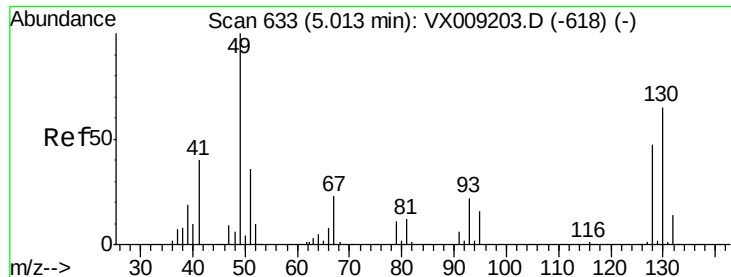
Ion Ratio Lower Upper

96 100

61 139.8 0.0 324.0

98 64.5 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

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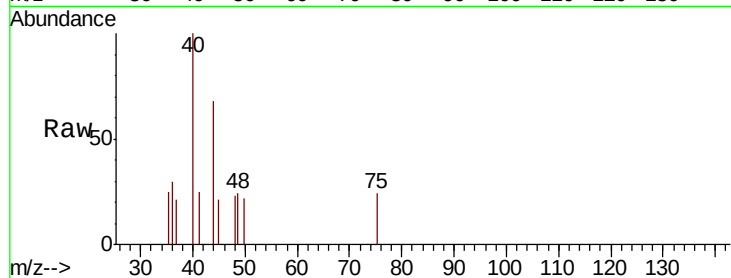
Tot Ion: 49 Resp: 43

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

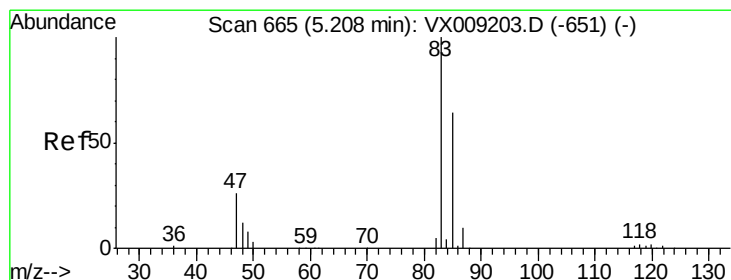
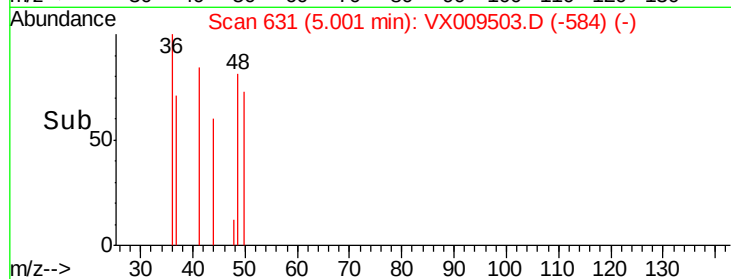
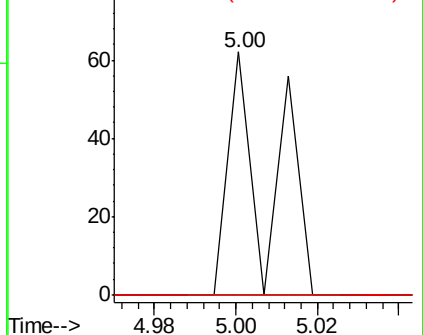
130 0.0 51.2 76.8#



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



#30

Chloroform

Concen: 0.244 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009503.D

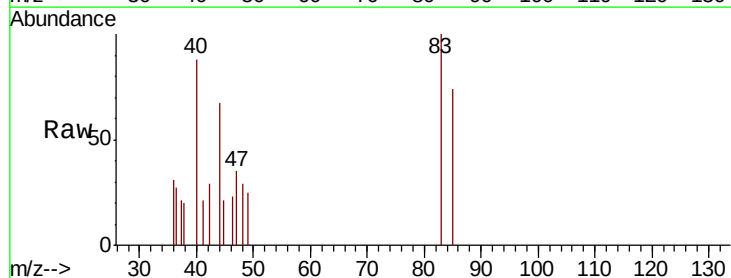
Acq: 10 May 2019 23:57

Tgt Ion: 83 Resp: 861

Ion Ratio Lower Upper

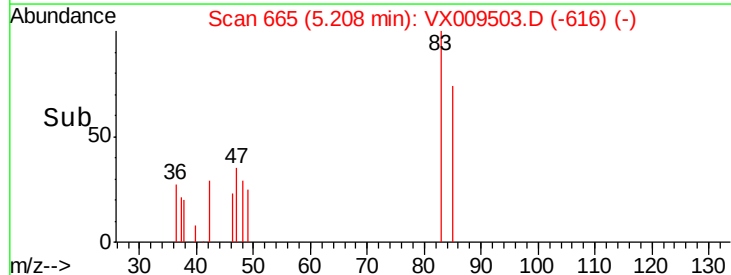
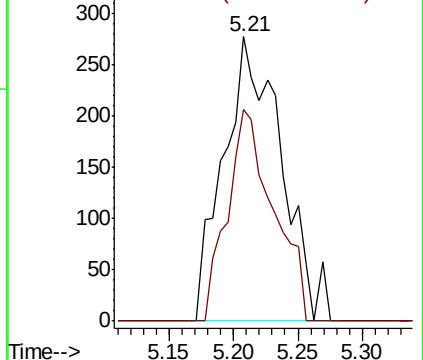
83 100

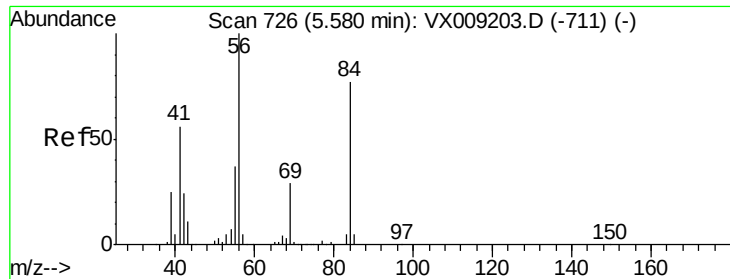
85 74.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

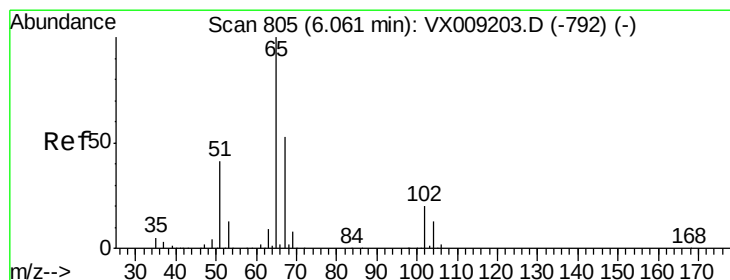
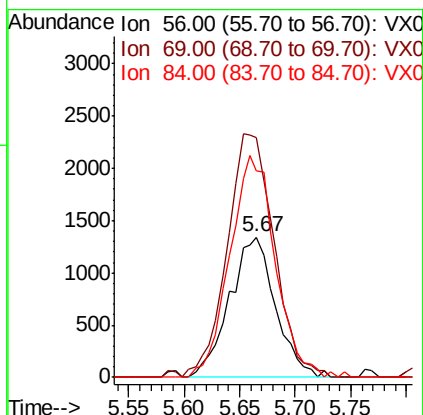
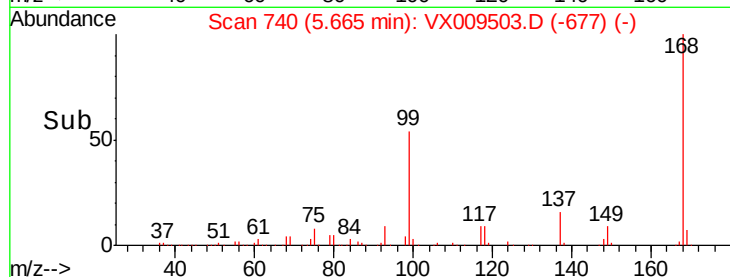
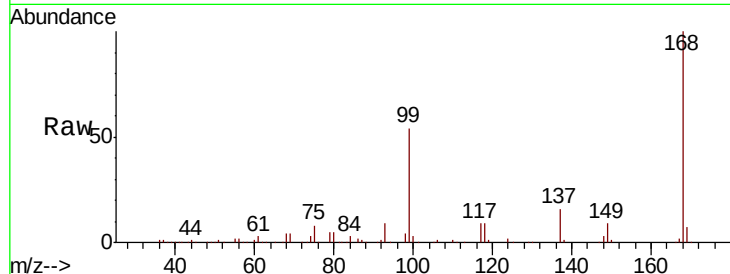




#31
Cyclohexane
Concen: 1.059 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

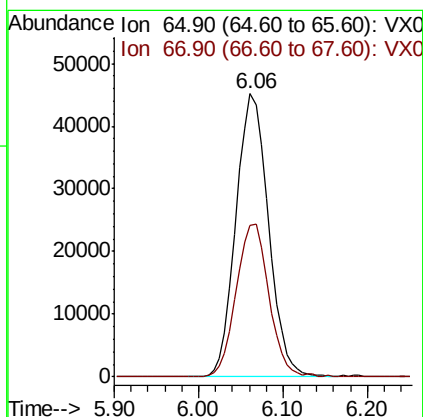
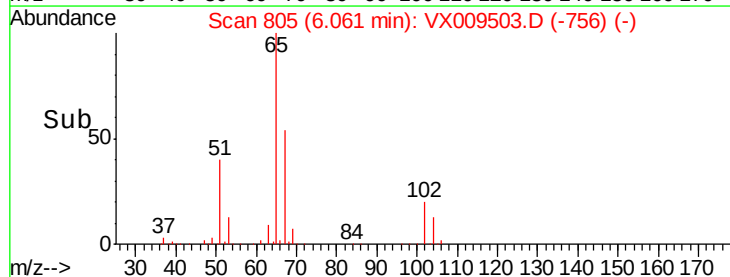
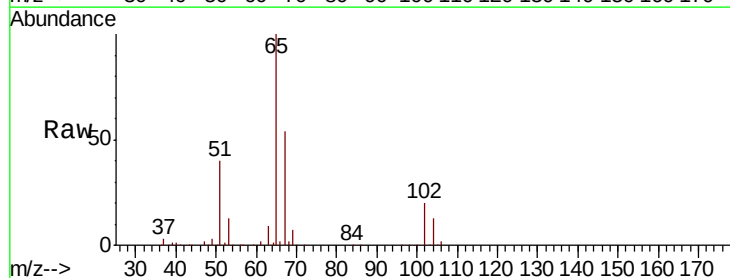
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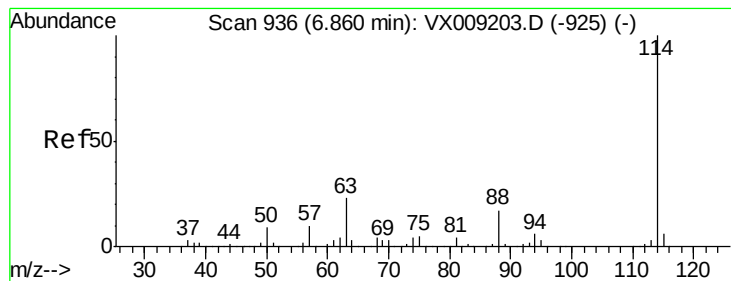
Tot Ion: 56 Resp: 3841
Ion Ratio Lower Upper
56 100
69 171.1 23.4 35.0#
84 147.5 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.131 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

Tgt Ion: 65 Resp: 118125
Ion Ratio Lower Upper
65 100
67 54.2 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: VX009503.D

Acq: 10 May 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-190509

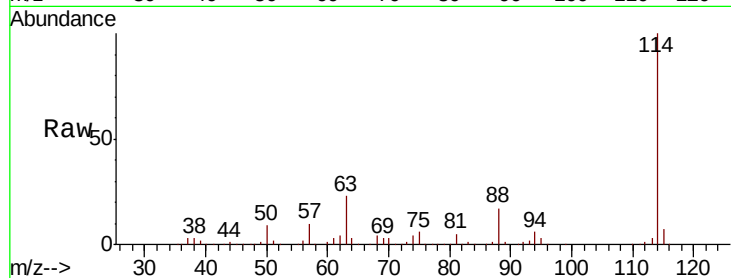
Tot Ion:114 Resp: 289665

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.6

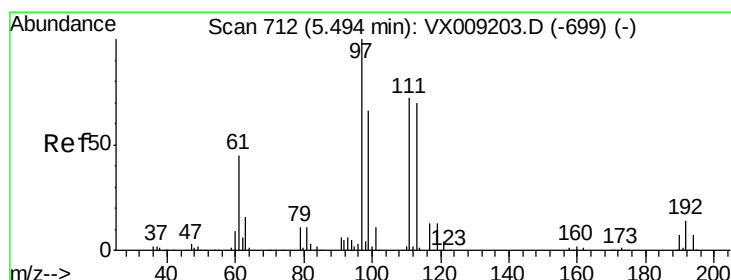
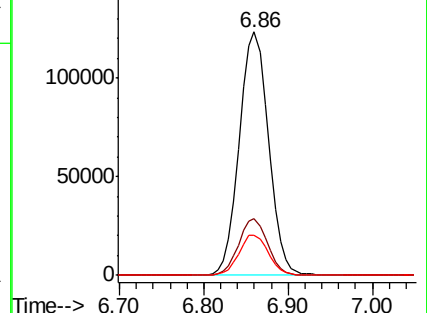
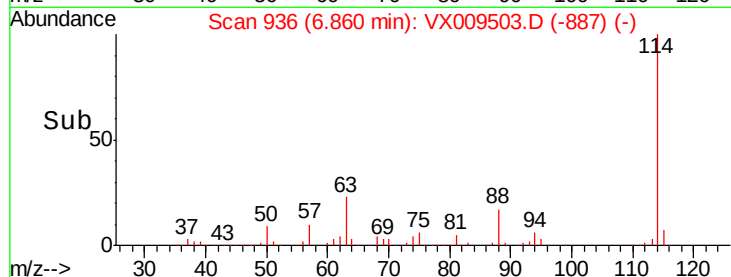
88 16.6 0.0 33.2



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: 48.429 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

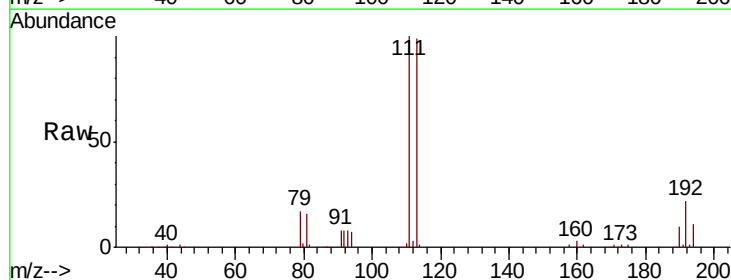
Tgt Ion:113 Resp: 88187

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

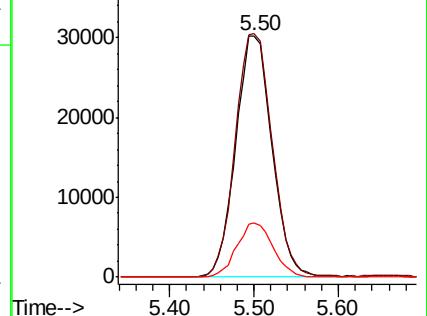
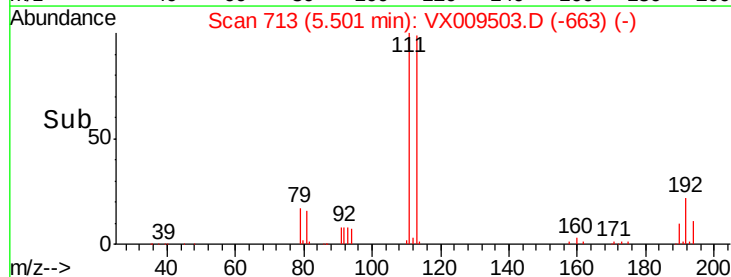
192 22.4 17.0 25.6

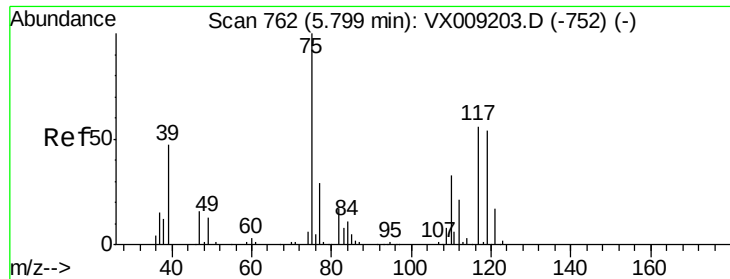


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

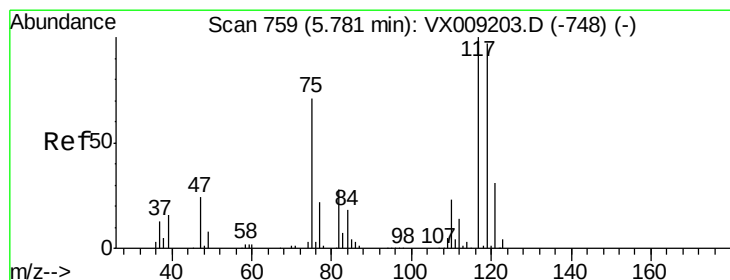
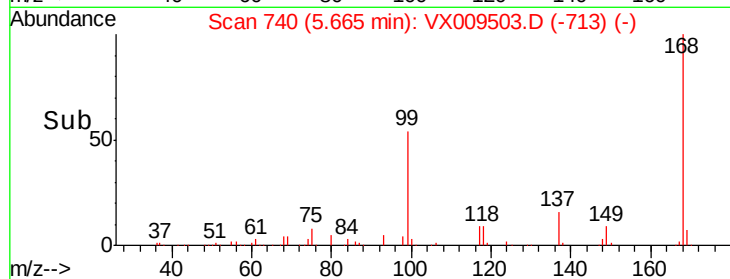
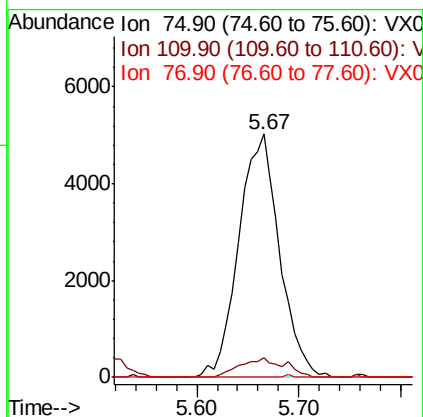
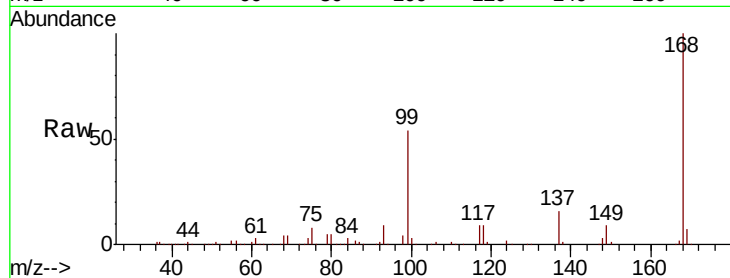




#36
 1,1-Dichloropropene
 Concen: 5.173 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009503.D
 Acq: 10 May 2019 23:57

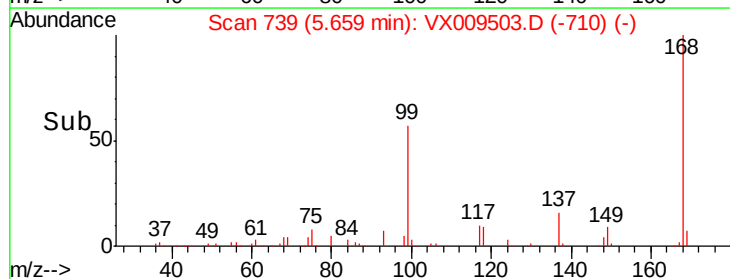
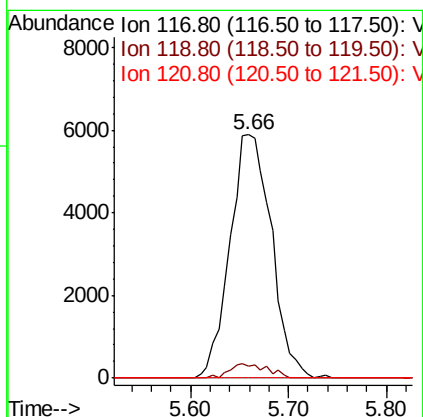
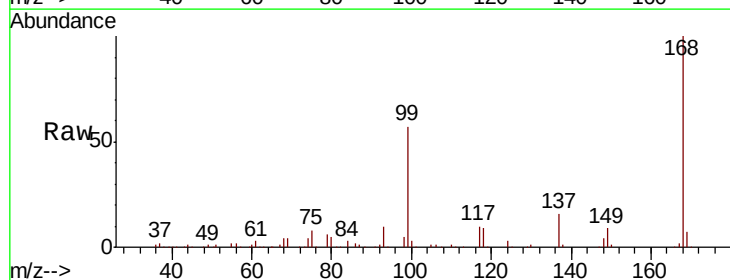
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW764-190509

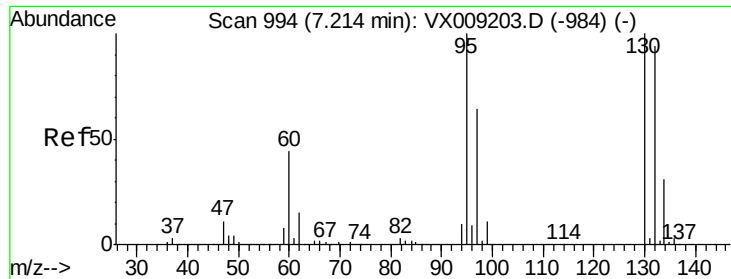
Tot Ion: 75 Resp: 13926
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.090 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009503.D
 Acq: 10 May 2019 23:57

Tgt Ion: 117 Resp: 17341
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.5 116.3#
 121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 14.965 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

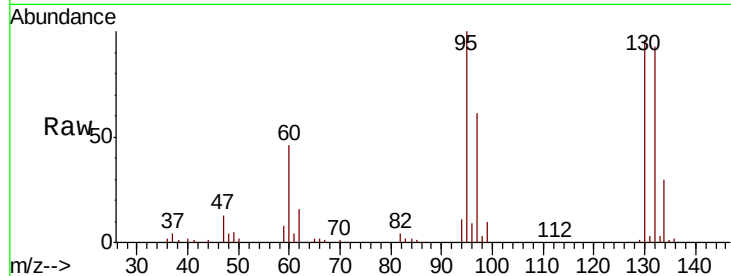
SS052MW764-190509

Tot Ion:130 Resp: 30139

Ion Ratio Lower Upper

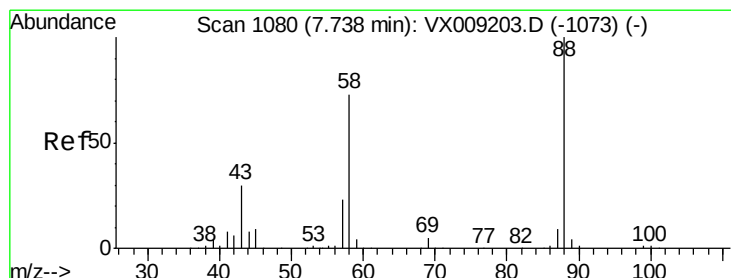
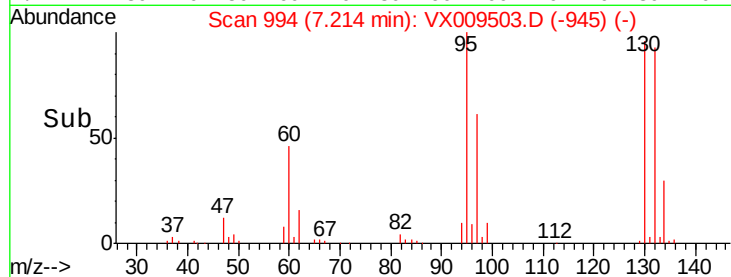
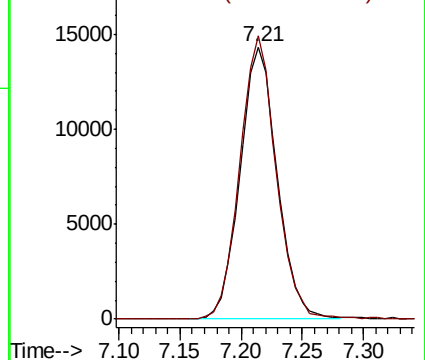
130 100

95 103.9 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: 0.315 ug/l

RT: 7.50 min Scan# 1041

Delta R.T. -0.24 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

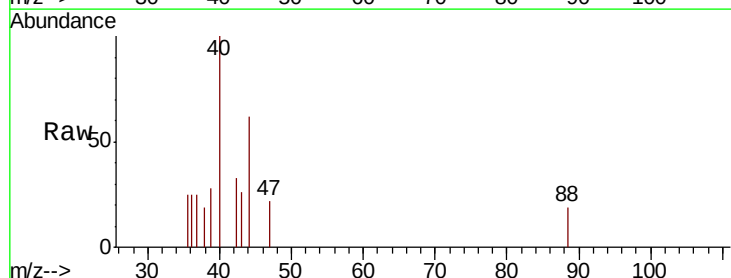
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

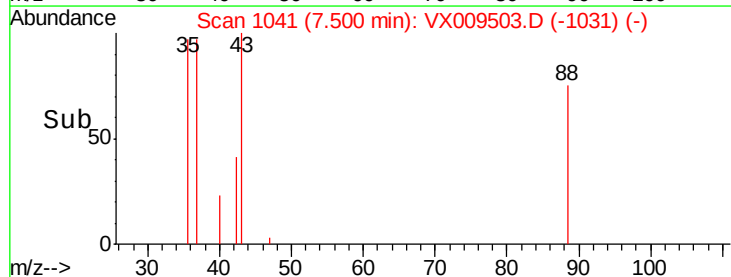
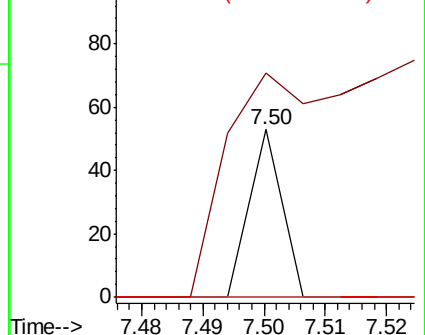
58 0.0 61.7 92.5#

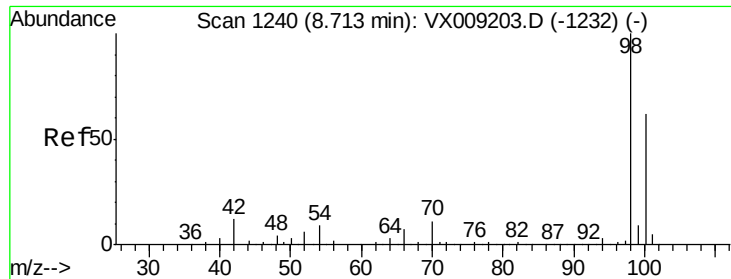


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

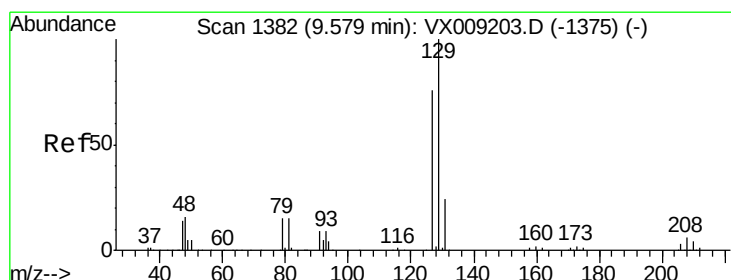
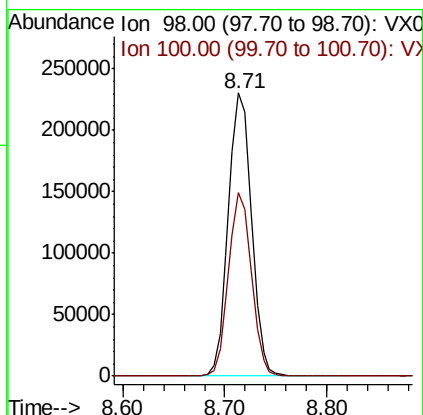
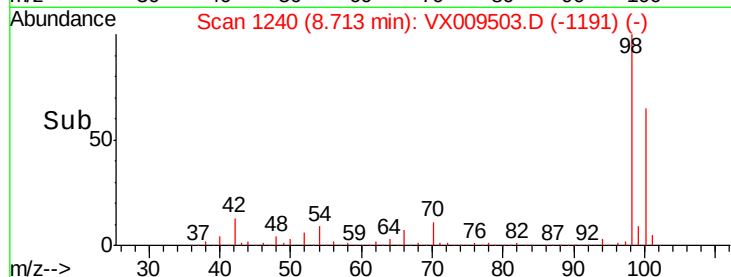
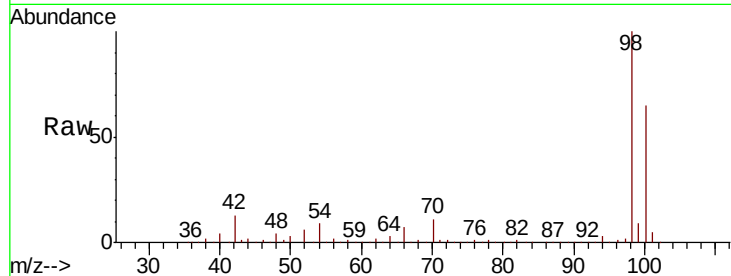




#50
Toluene-d8
Concen: 49.445 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

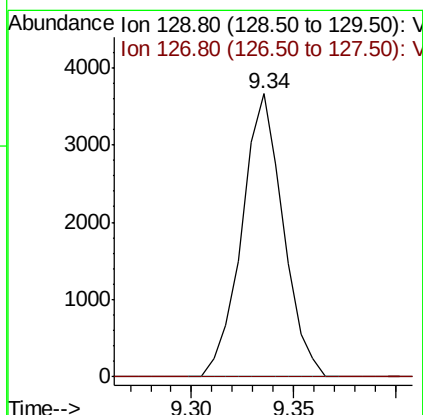
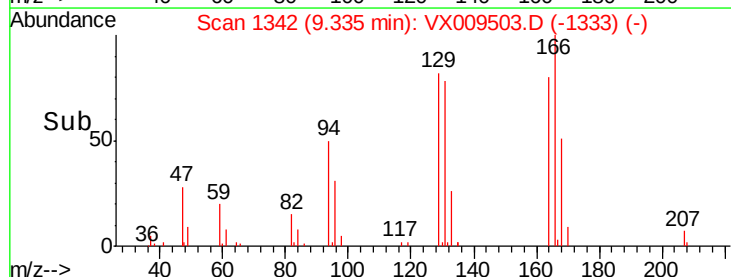
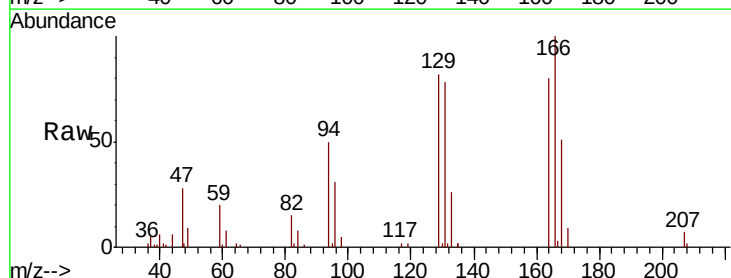
Instrument :
MSVOA_X
ClientSampleId :
SS052MW764-190509

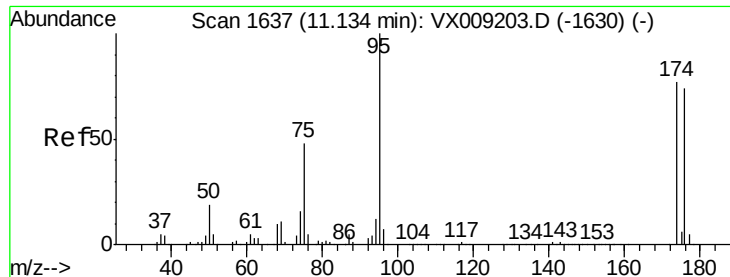
Tot Ion: 98 Resp: 363504
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#60
Dibromochloromethane
Concen: 2.559 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

Tgt Ion: 129 Resp: 5163
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 44.624 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW764-190509

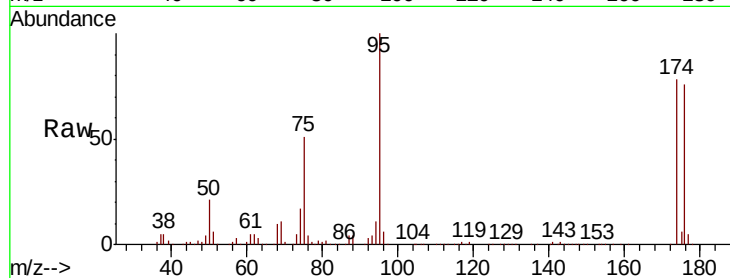
Tot Ion: 95 Resp: 119205

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

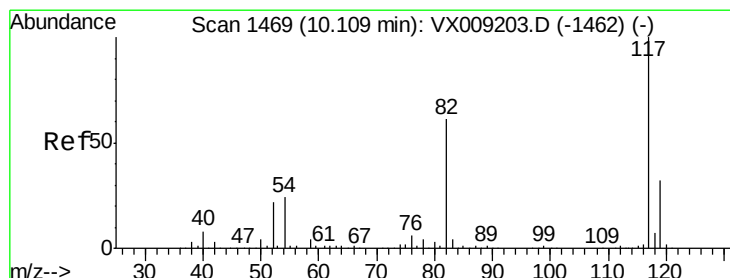
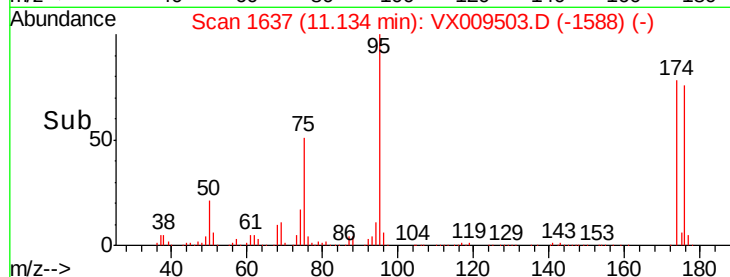
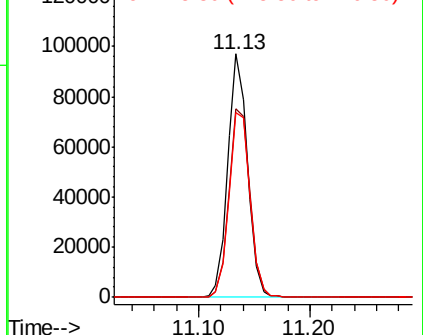
176 80.8 0.0 159.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

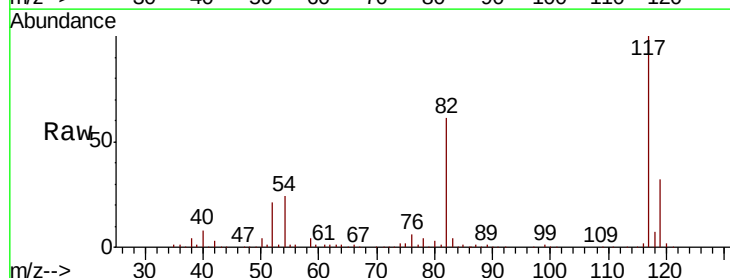
Tgt Ion: 117 Resp: 253774

Ion Ratio Lower Upper

117 100

82 60.8 48.8 73.2

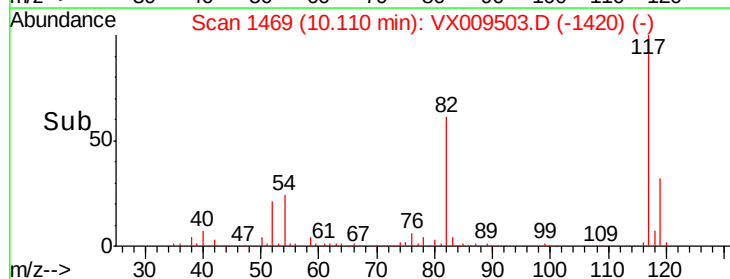
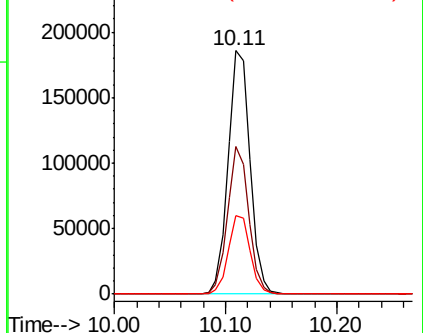
119 32.1 25.8 38.6

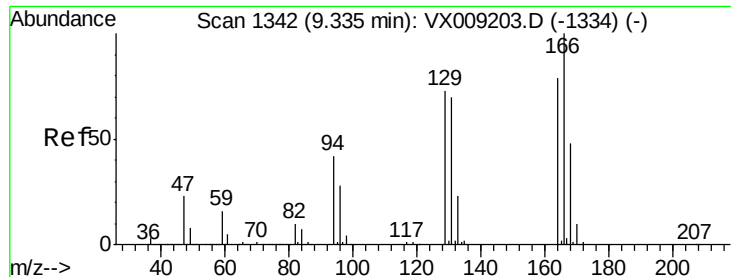


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

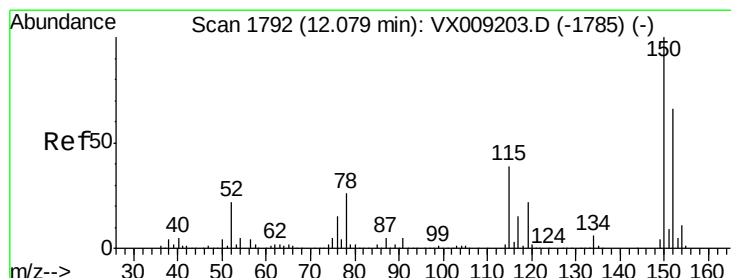
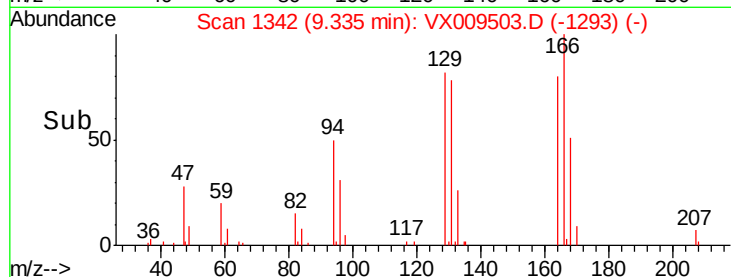
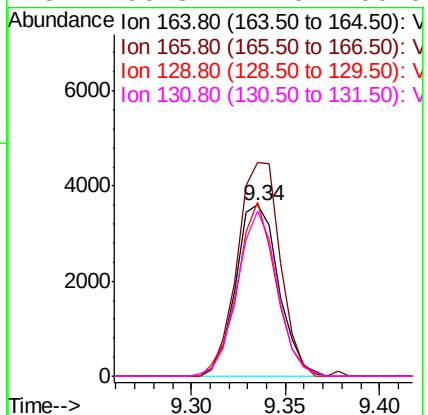
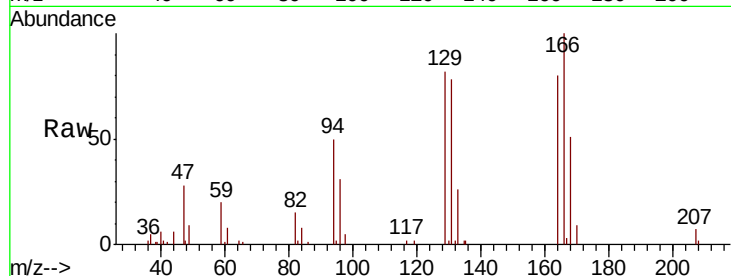




#64
Tetrachloroethene
Concen: 3.254 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

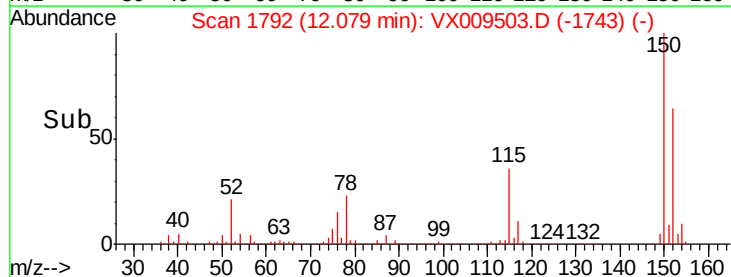
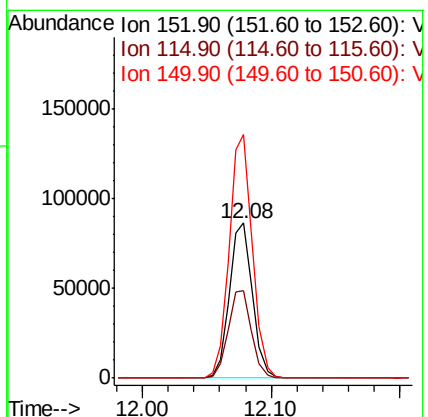
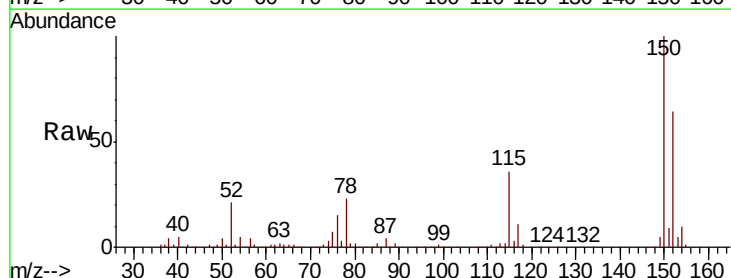
Instrument :
MSVOA_X
ClientSampleId :
SS052MW764-190509

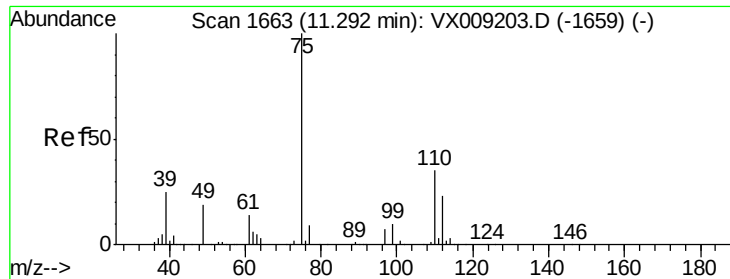
Tot Ion:164 Resp: 5664
Ion Ratio Lower Upper
164 100
166 124.8 101.2 151.8
129 101.7 74.3 111.5
131 96.8 71.0 106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009503.D
Acq: 10 May 2019 23:57

Tgt Ion:152 Resp: 108252
Ion Ratio Lower Upper
152 100
115 57.6 41.2 123.6
150 157.5 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.138 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

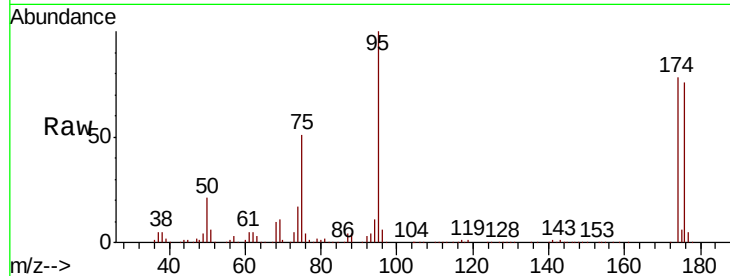
SS052MW764-190509

Tot Ion: 75 Resp: 60612

Ion Ratio Lower Upper

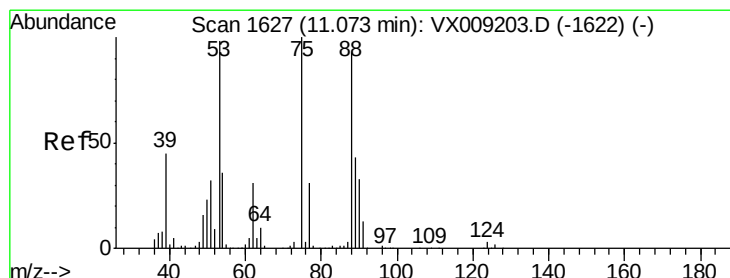
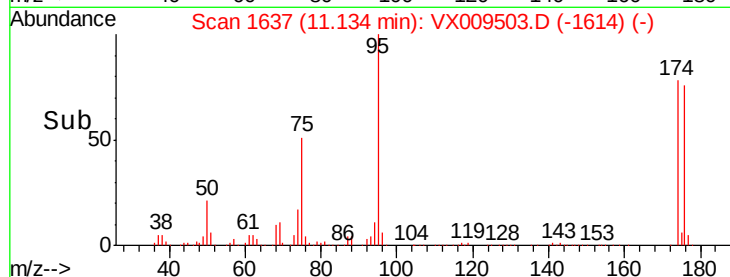
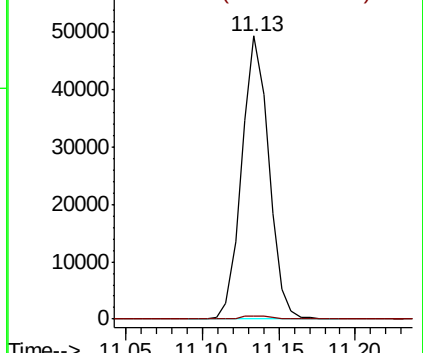
75 100

77 1.4 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: 61.761 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009503.D

Acq: 10 May 2019 23:57

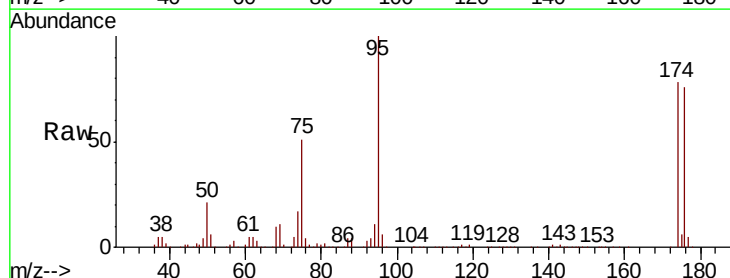
Tgt Ion: 75 Resp: 60612

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

