

Data File : VX009704.D
Acq On : 18 May 2019 08:59
Operator : JC/SP
Sample : K2901-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-9C_R2

Quant Time: May 20 04:16:58 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	168019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	115117	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	5.50	113	83995	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	8.71	98	343970	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	110651	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	329	0.266	ug/l #	43
10) Methyl Iodide	2.51	142	39	4.613	ug/l #	42
11) Tert butyl alcohol	3.03	59	768	1.447	ug/l #	89
16) Acetone	2.45	43	2838	2.304	ug/l	92
28) Bromochloromethane	5.02	49	26	Below Cal	#	20
31) Cyclohexane	5.66	56	3938	1.161	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13554	5.320	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16157	6.980	ug/l #	17
49) 1,4-Dioxane	7.99	88	23	0.403	ug/l #	1
60) Dibromochloromethane	9.34	129	564	0.295	ug/l #	11
64) Tetrachloroethene	9.34	164	752	0.458	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	57559	25.111	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57559	64.250	ug/l #	10

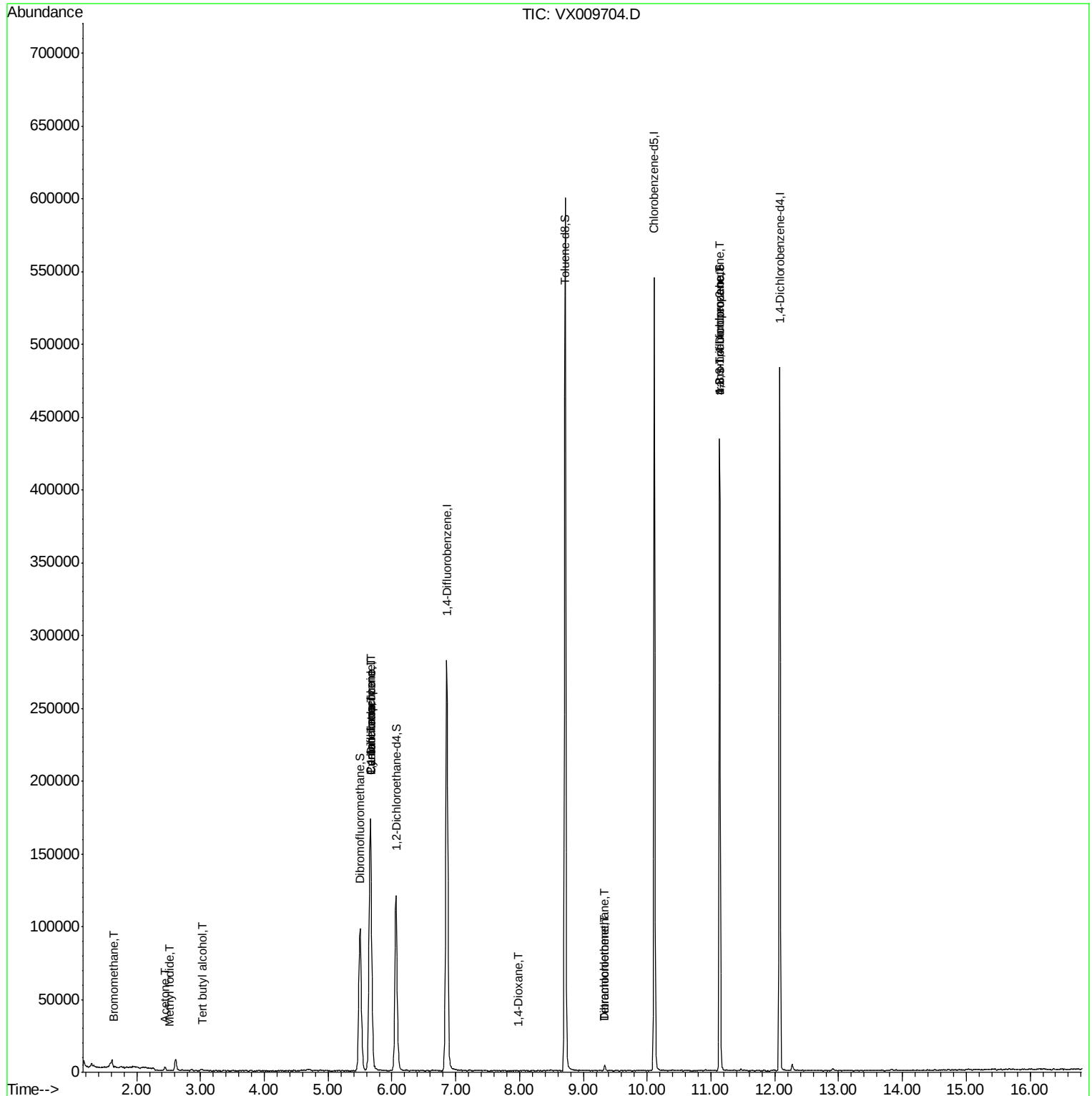
(#) = qualifier out of range (m) = manual integration (+) = signals summed

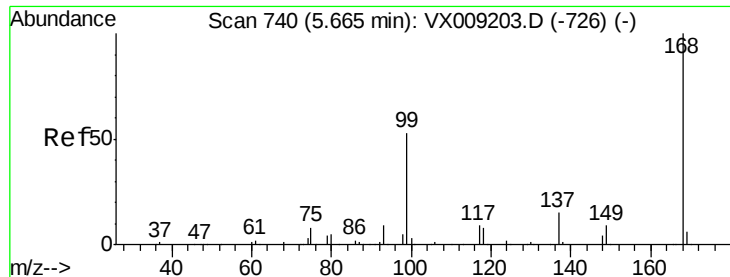
Data File : VX009704.D

Acq On : 18 May 2019 08:59
Operator : JC/SP
Sample : K2901-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 58 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-9C_R2

Quant Time: May 20 04:16:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009704.D

Acq: 18 May 2019 08:59

Instrument :

MSVOA_X

ClientSampleId :

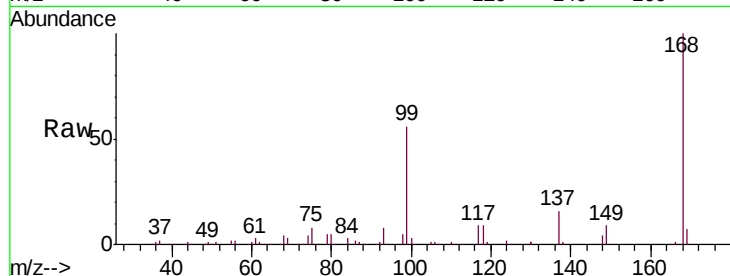
MW-9C_R2

Tgt Ion:168 Resp: 168019

Ion Ratio Lower Upper

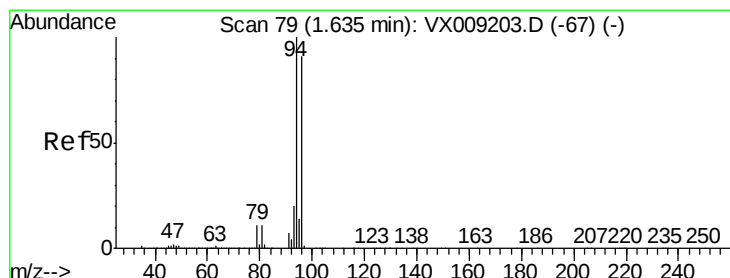
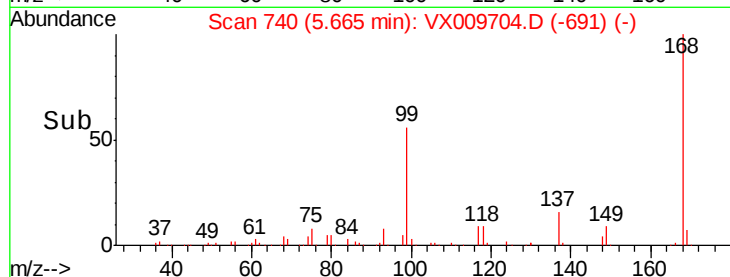
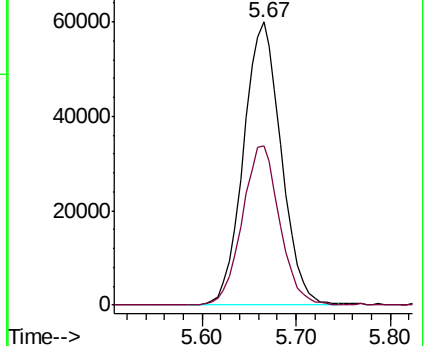
168 100

99 56.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009704.D

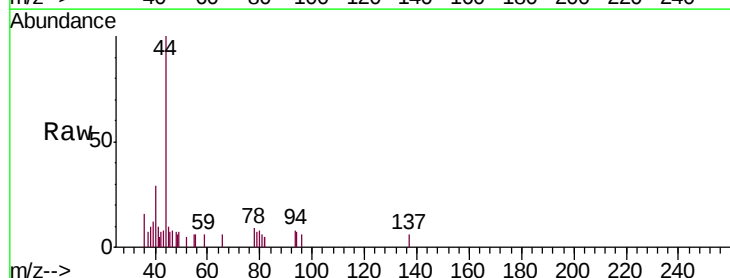
Acq: 18 May 2019 08:59

Tgt Ion: 94 Resp: 329

Ion Ratio Lower Upper

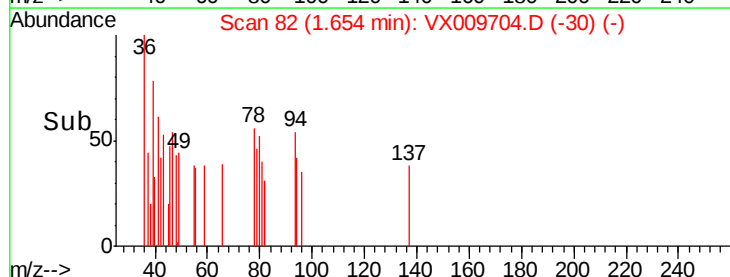
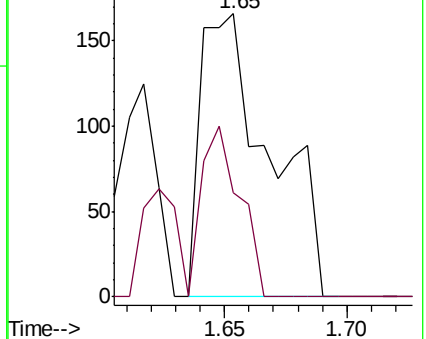
94 100

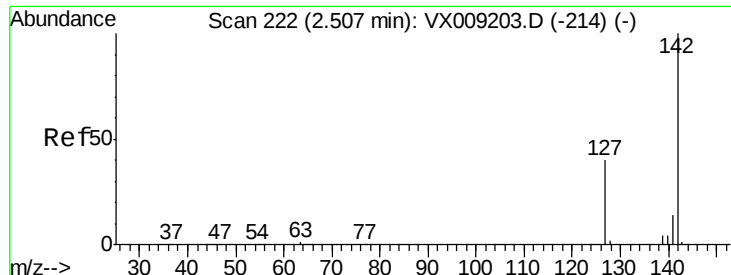
96 36.7 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

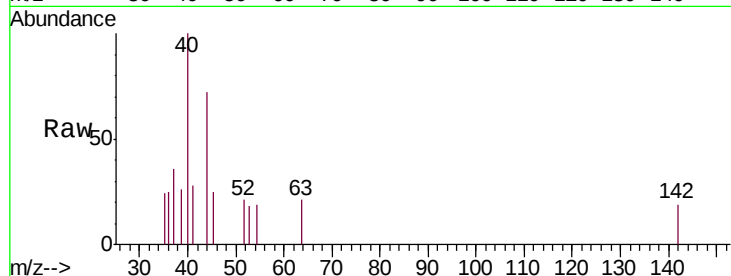




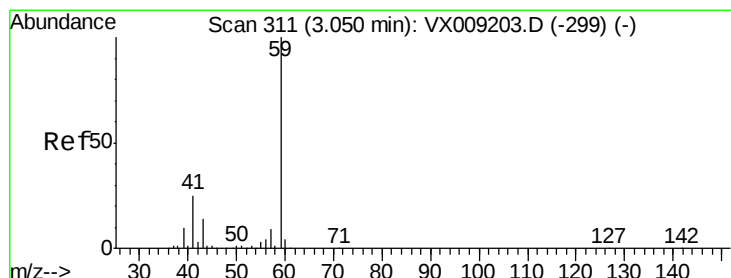
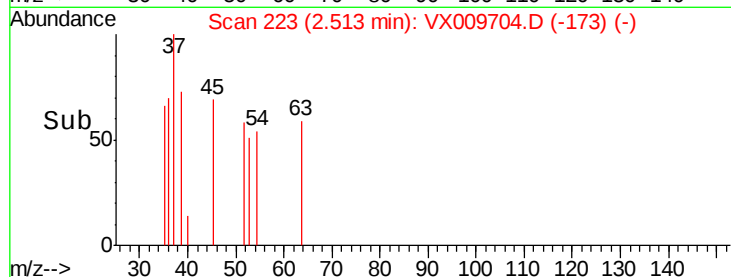
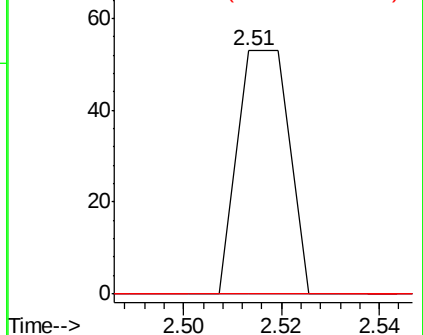
#10
Methyl Iodide
Concen: 4.613 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

Instrument :
MSVOA_X
ClientSampled :
MW-9C_R2

Tgt Ion: 142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

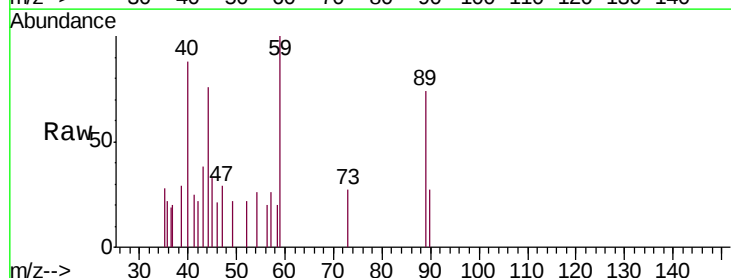


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

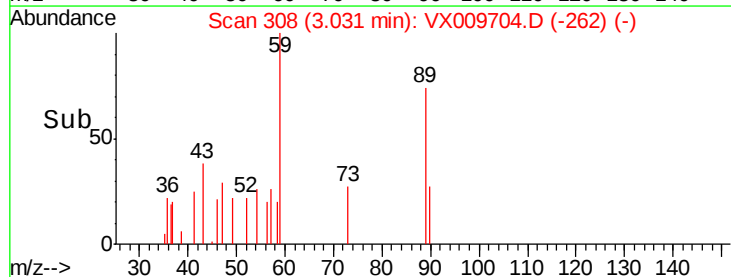
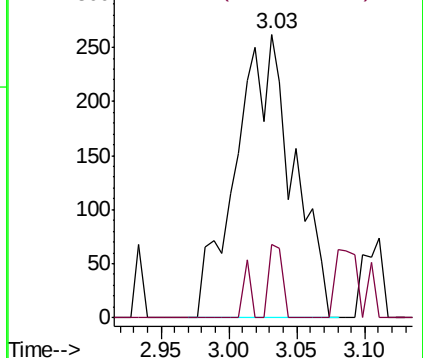


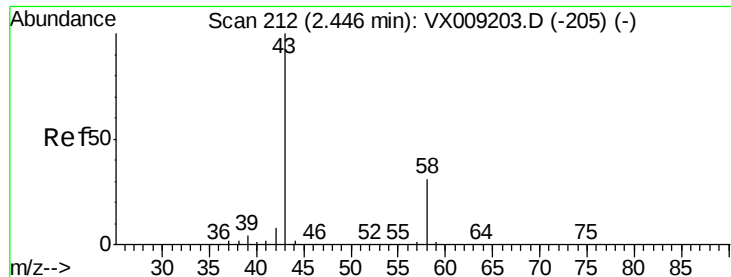
#11
Tert butyl alcohol
Concen: 1.447 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

Tgt Ion: 59 Resp: 768
Ion Ratio Lower Upper
59 100
57 6.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.304 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009704.D

Acq: 18 May 2019 08:59

Instrument :

MSVOA_X

ClientSampleId :

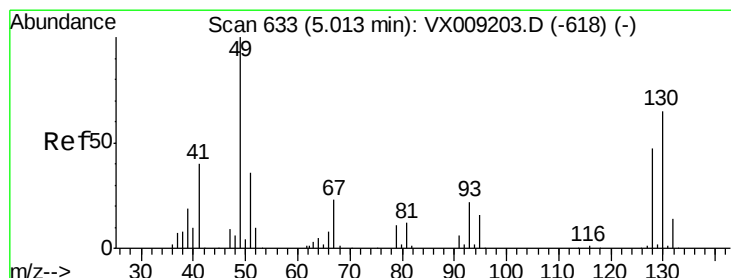
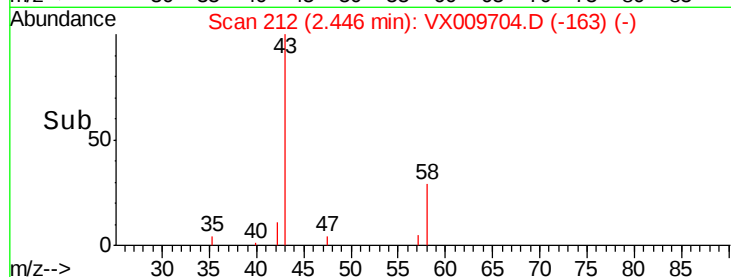
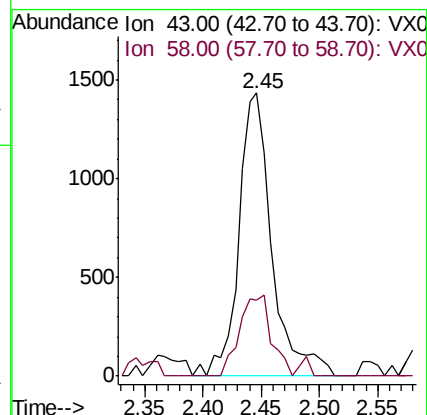
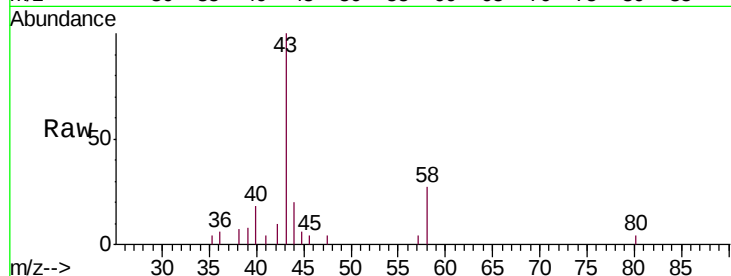
MW-9C_R2

Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

43 100

58 26.7 24.9 37.3



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009704.D

Acq: 18 May 2019 08:59

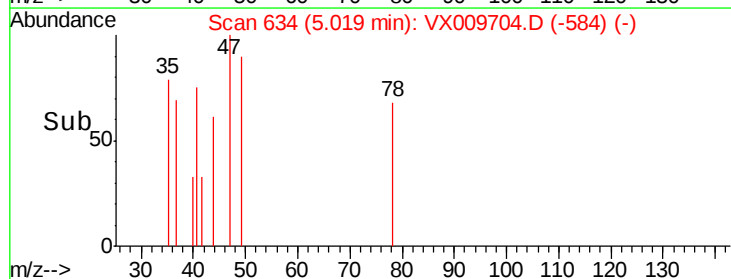
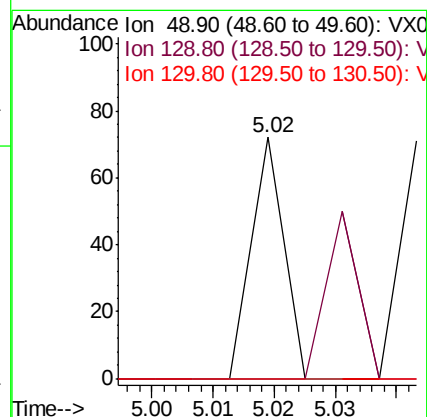
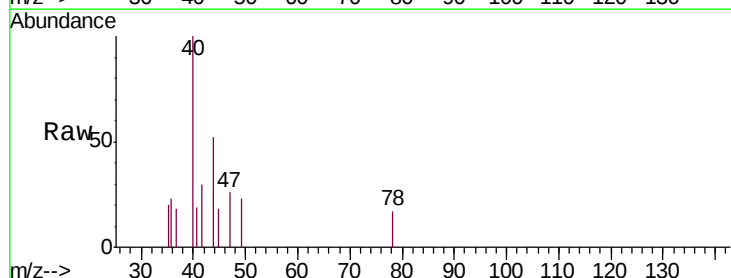
Tgt Ion: 49 Resp: 26

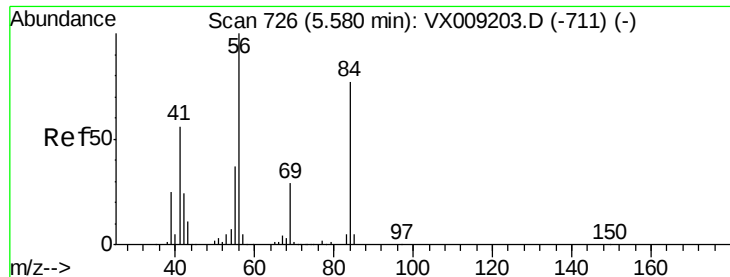
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#

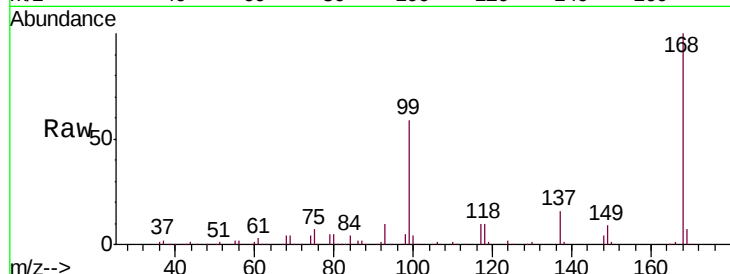




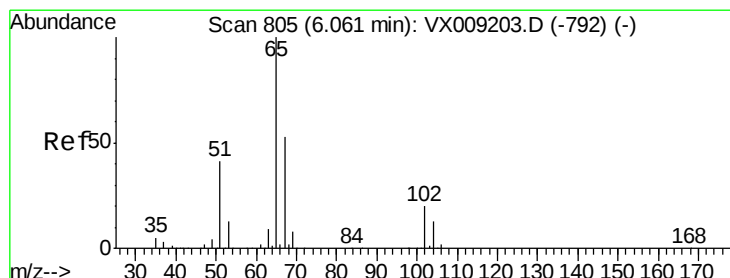
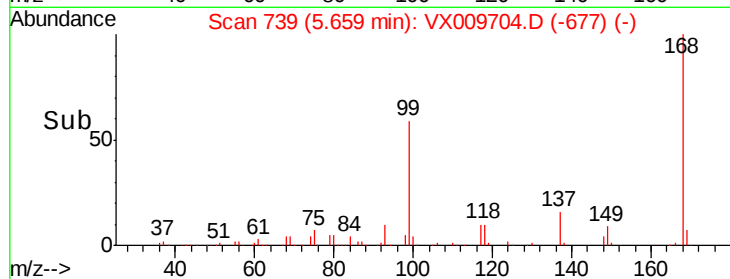
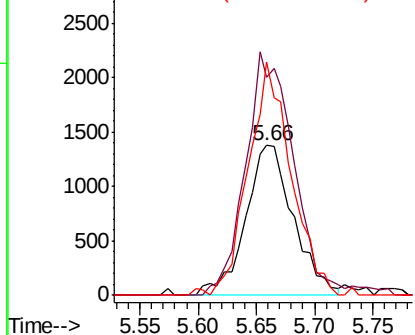
#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

Instrument :
MSVOA_X
ClientSampleId :
MW-9C_R2

Tgt Ion: 56 Resp: 3938
Ion Ratio Lower Upper
56 100
69 145.6 23.4 35.0#
84 155.7 61.9 92.9#

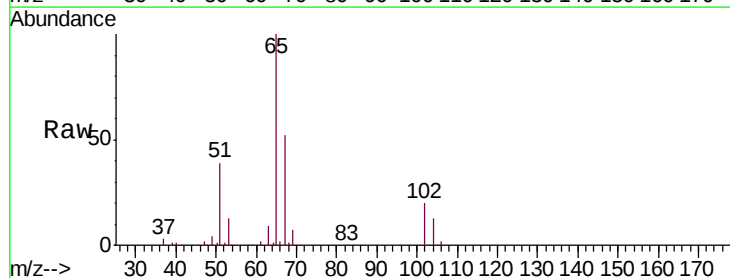


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

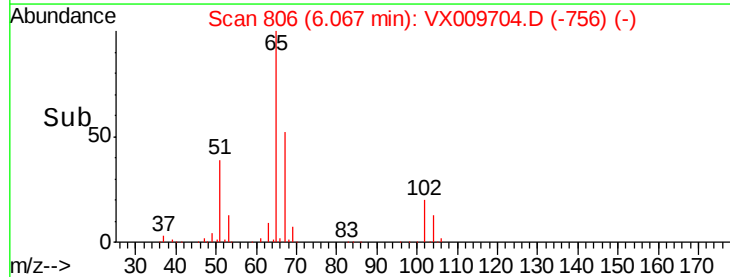
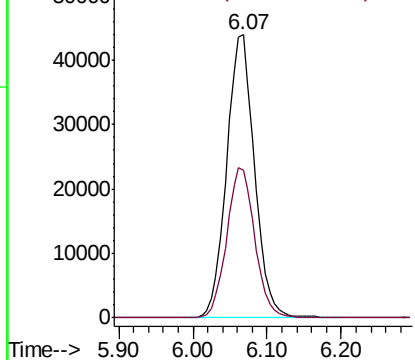


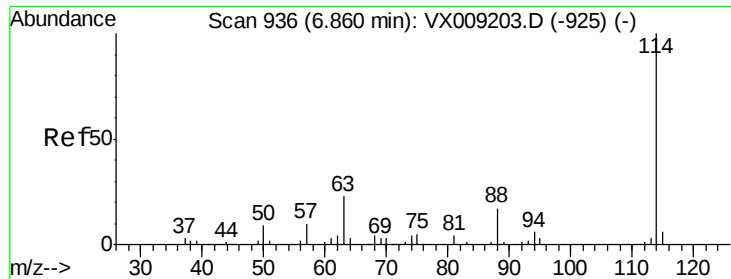
#33
1,2-Dichloroethane-d4
Concen: 50.189 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

Tgt Ion: 65 Resp: 115117
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

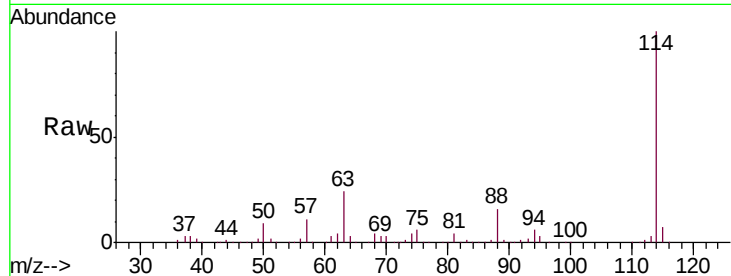




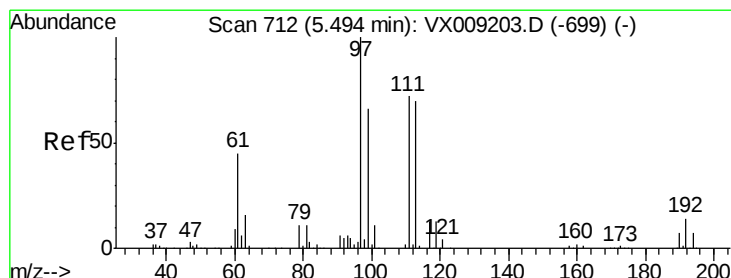
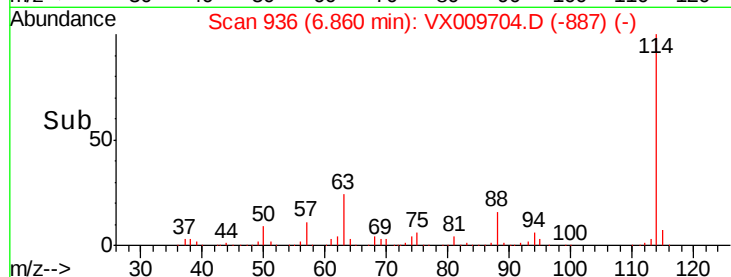
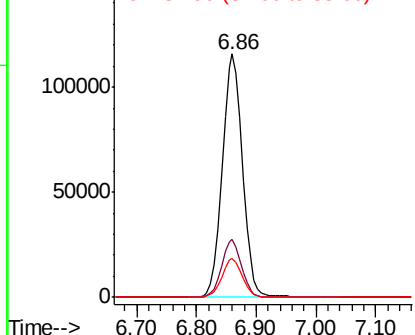
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009704.D
 Acq: 18 May 2019 08:59

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9C_R2

Tgt Ion:114 Resp: 274166
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.0 0.0 33.2

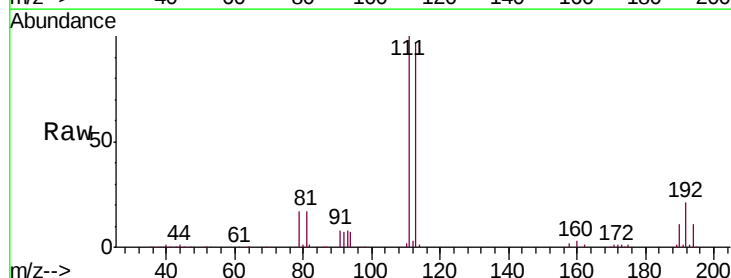


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

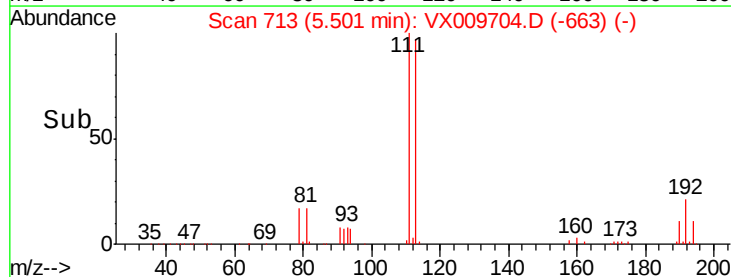
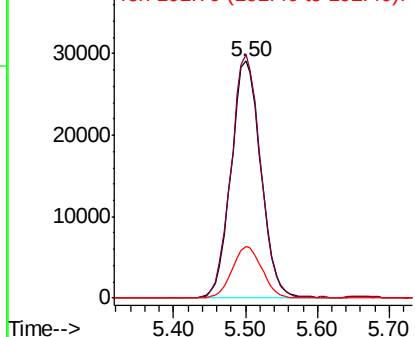


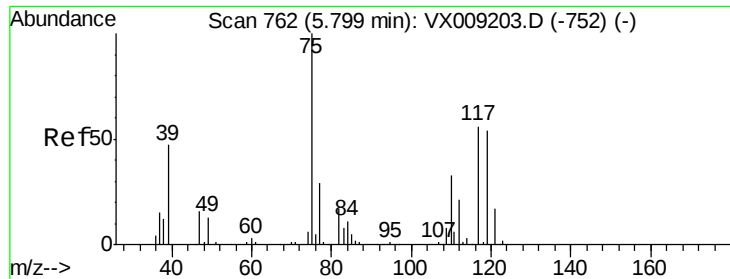
#35
 Dibromofluoromethane
 Concen: 48.735 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009704.D
 Acq: 18 May 2019 08:59

Tgt Ion:113 Resp: 83995
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 21.7 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: 5.320 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009704.D

Acq: 18 May 2019 08:59

Instrument :

MSVOA_X

ClientSampleId :

MW-9C_R2

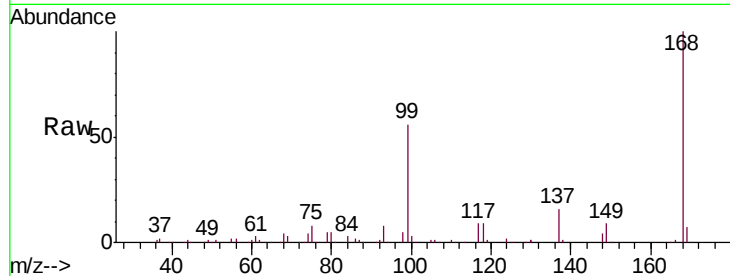
Tgt Ion: 75 Resp: 13554

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

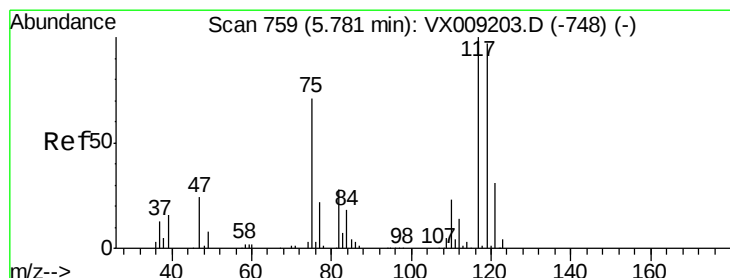
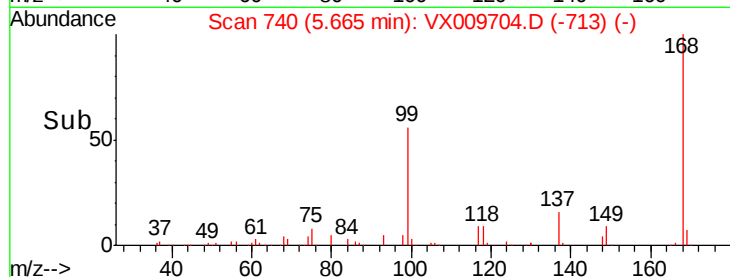
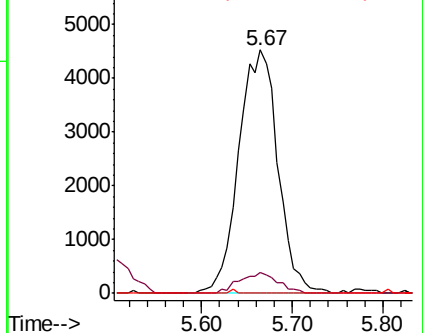
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.980 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009704.D

Acq: 18 May 2019 08:59

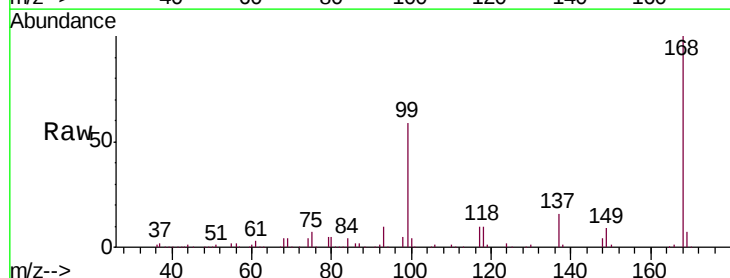
Tgt Ion: 117 Resp: 16157

Ion Ratio Lower Upper

117 100

119 6.5 77.5 116.3#

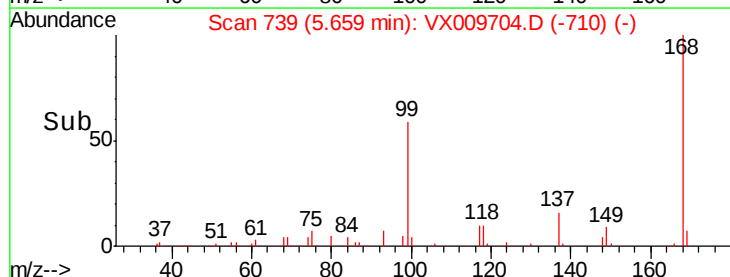
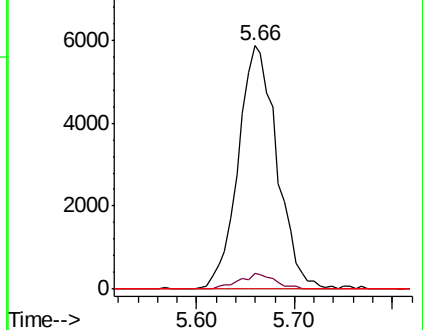
121 0.0 24.7 37.1#

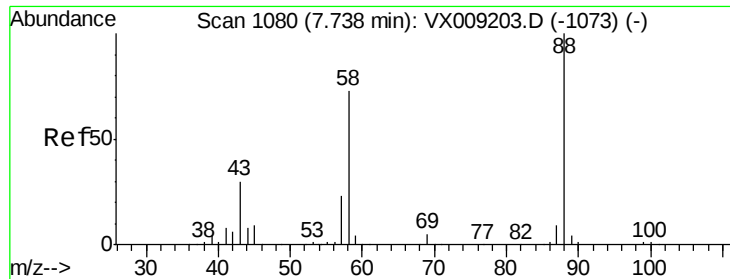


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

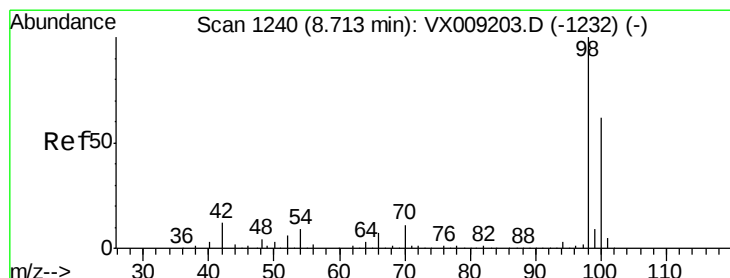
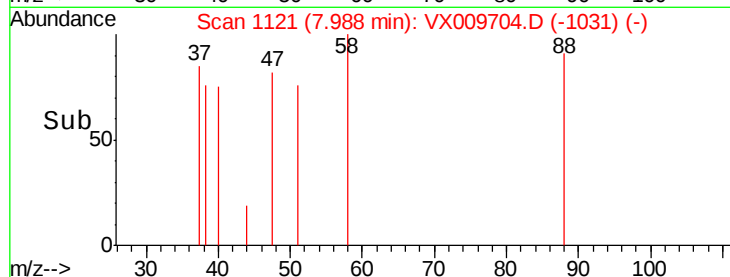
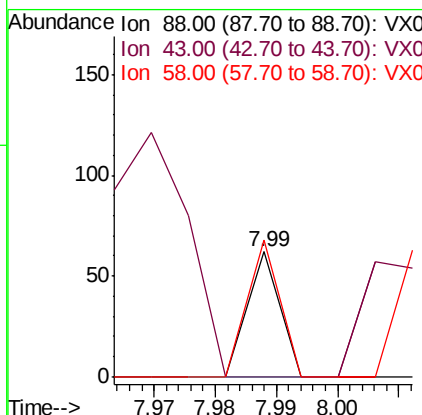
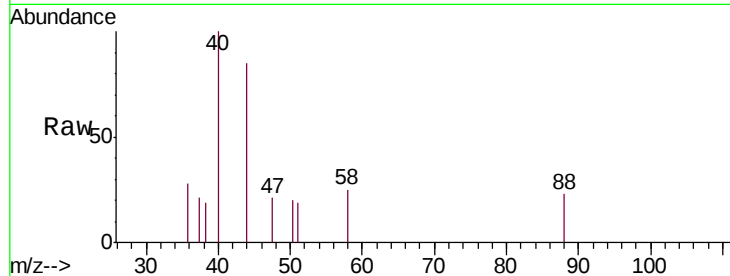




#49
1,4-Dioxane
Concen: 0.403 ug/l
RT: 7.99 min Scan# 1121
Delta R.T. 0.25 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

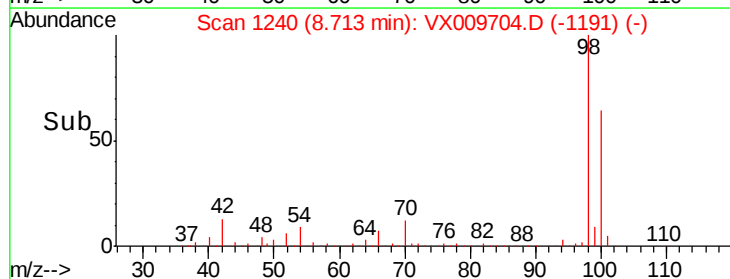
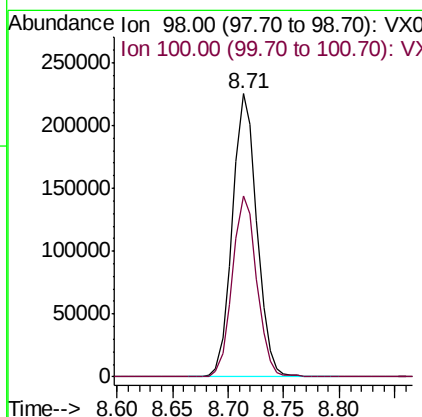
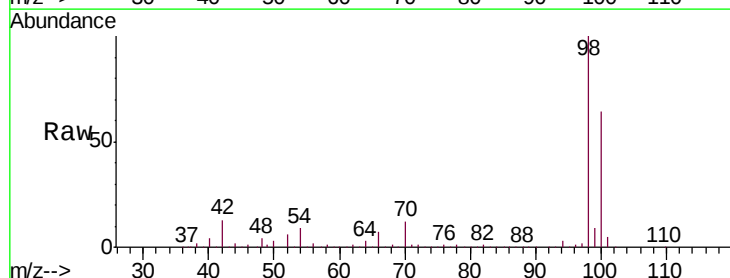
Instrument :
MSVOA_X
ClientSampleId :
MW-9C_R2

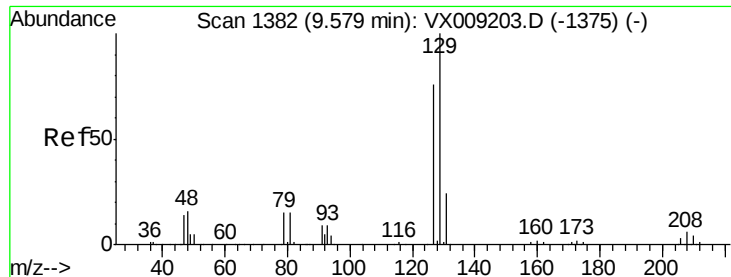
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 765.2 28.6 42.8#
58 108.7 61.7 92.5#



#50
Toluene-d8
Concen: 49.433 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

Tgt Ion: 98 Resp: 343970
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8

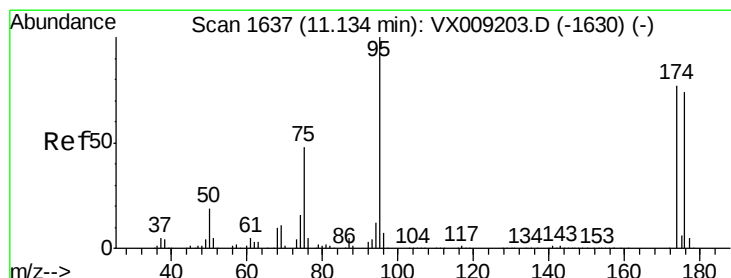
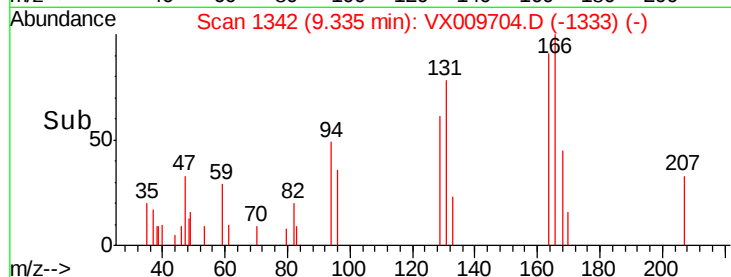
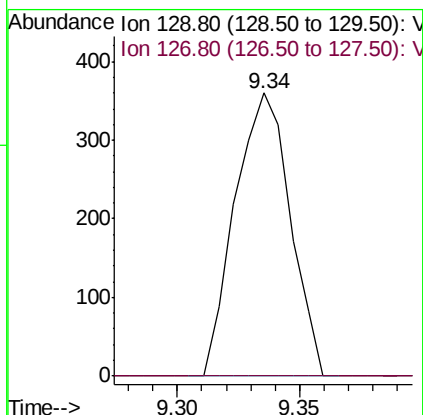
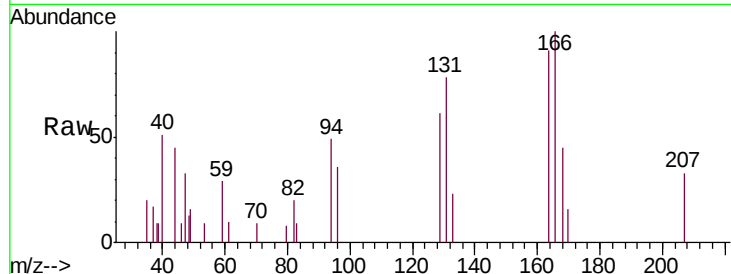




#60
 Dibromochloromethane
 Concen: 0.295 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009704.D
 Acq: 18 May 2019 08:59

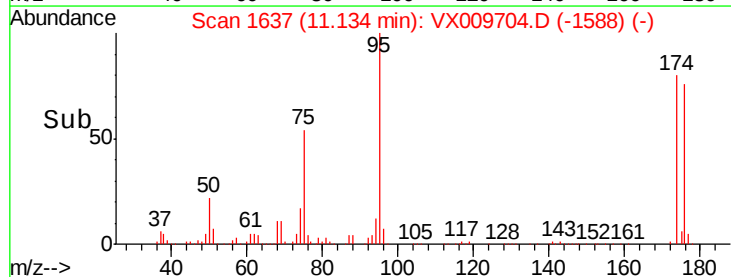
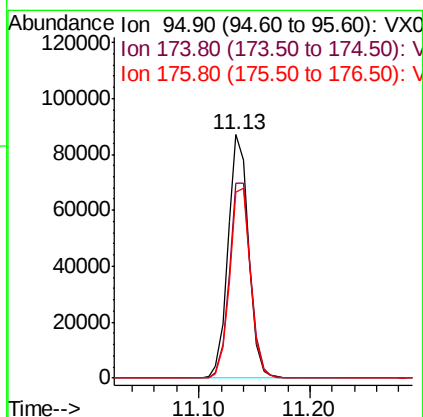
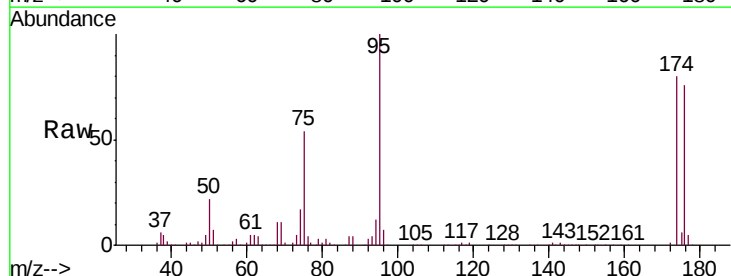
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9C_R2

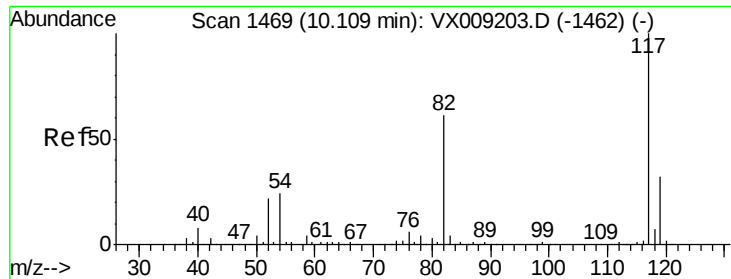
Tgt Ion: 129 Resp: 564
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 43.764 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009704.D
 Acq: 18 May 2019 08:59

Tgt Ion: 95 Resp: 110651
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 161.6
 176 79.5 0.0 159.2

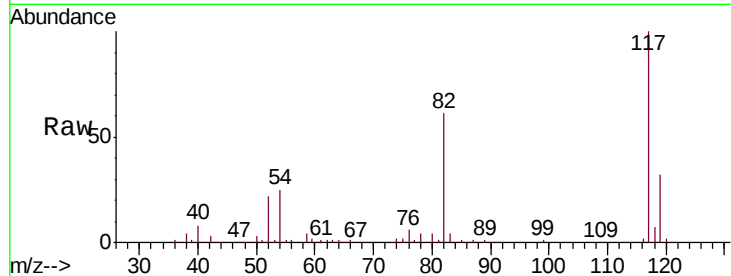




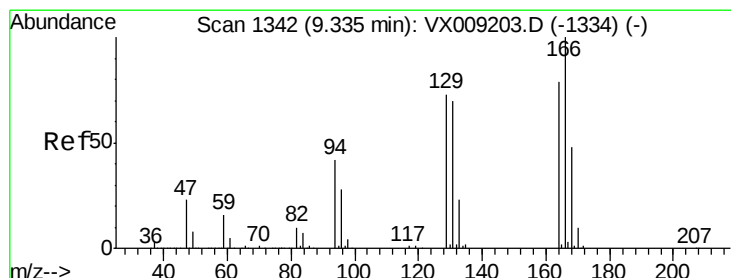
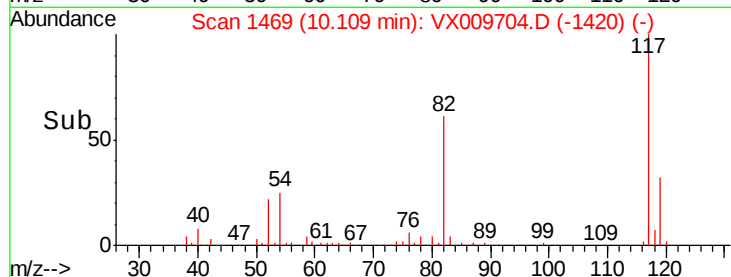
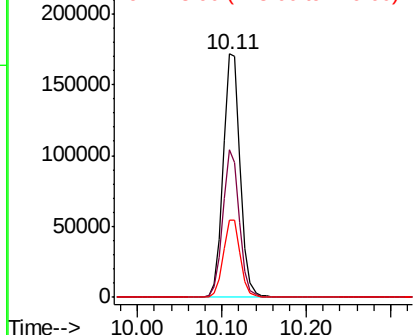
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

Instrument :
MSVOA_X
ClientSampleId :
MW-9C_R2

Tgt Ion:117 Resp: 239453
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 31.9 25.8 38.6

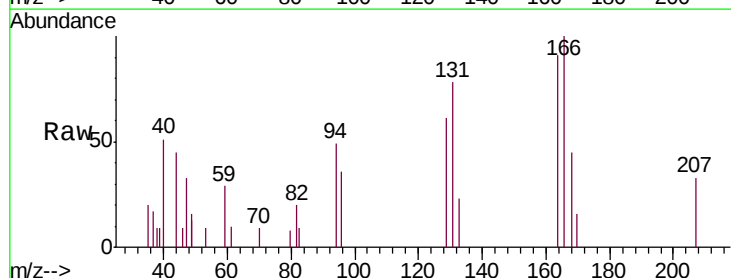


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

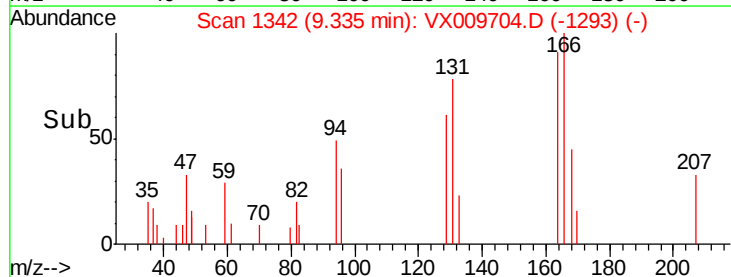
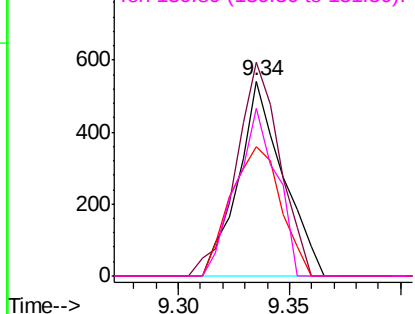


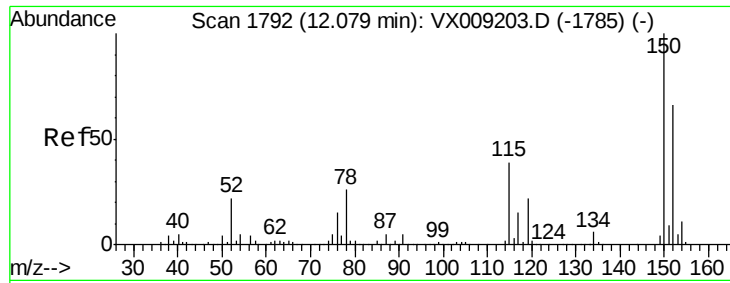
#64
Tetrachloroethene
Concen: 0.458 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009704.D
Acq: 18 May 2019 08:59

Tgt Ion:164 Resp: 752
Ion Ratio Lower Upper
164 100
166 109.6 101.2 151.8
129 66.4 74.3 111.5#
131 85.8 71.0 106.6



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: VX009704.D

Acq: 18 May 2019 08:59

Instrument :

MSVOA_X

ClientSampleId :

MW-9C_R2

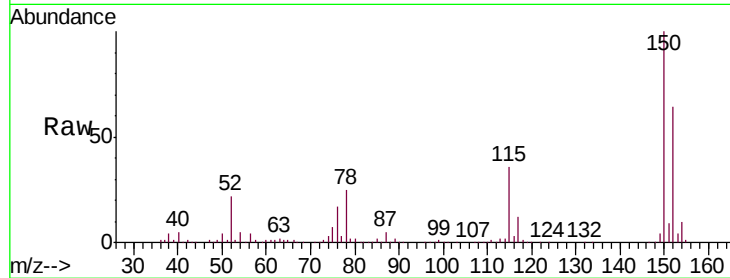
Tgt Ion:152 Resp: 98817

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

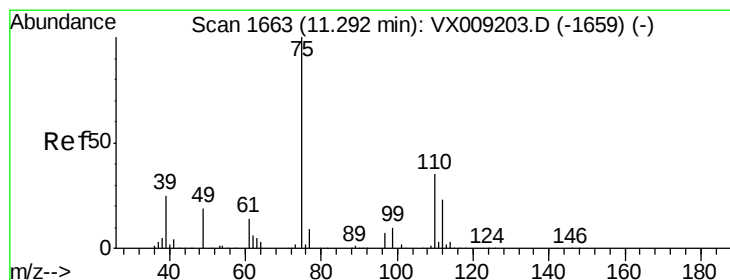
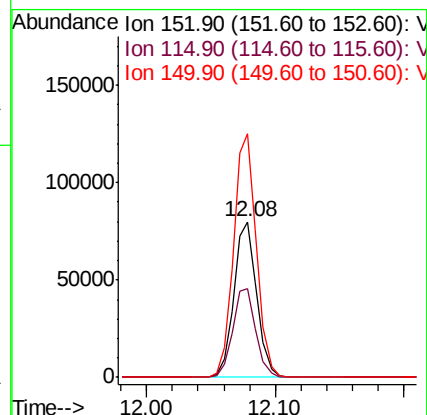
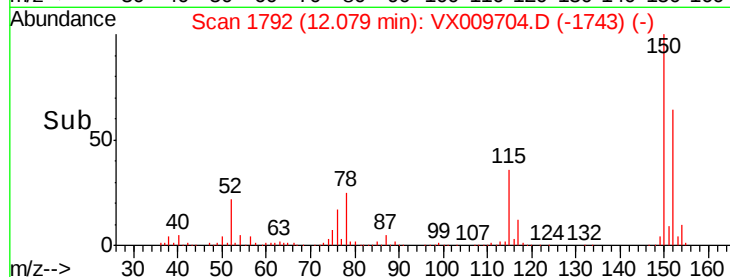
150 157.3 0.0 346.4



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: 25.111 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009704.D

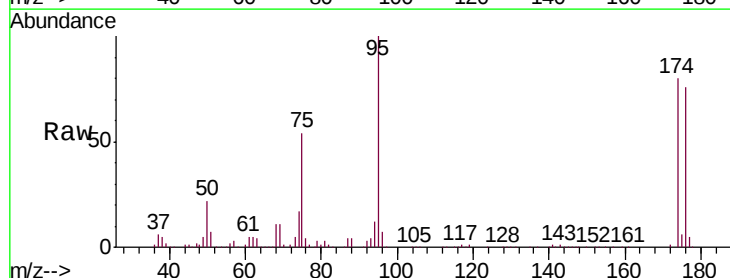
Acq: 18 May 2019 08:59

Tgt Ion: 75 Resp: 57559

Ion Ratio Lower Upper

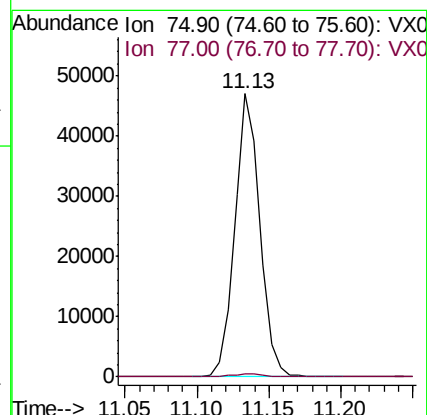
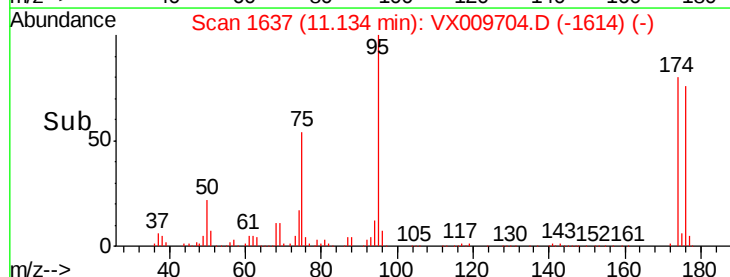
75 100

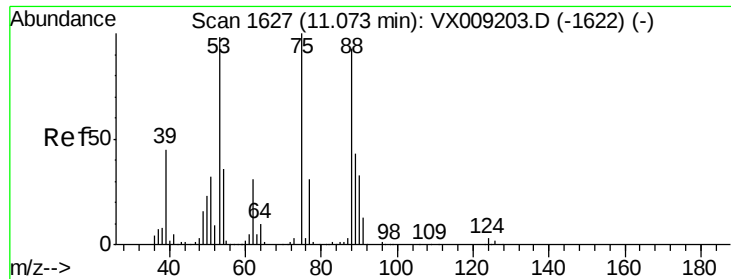
77 1.4 22.1 66.1#



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: 64.250 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009704.D

Acq: 18 May 2019 08:59

Instrument :

MSVOA_X

ClientSampleId :

MW-9C_R2

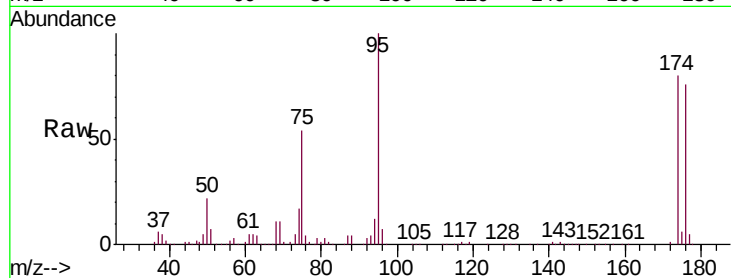
Tgt Ion: 75 Resp: 57559

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

