

Data File : VX009702.D
Acq On : 18 May 2019 08:13
Operator : JC/SP
Sample : K2901-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-15C_R2

Quant Time: May 20 04:16:23 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	168621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	270268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95837	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115188	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	5.50	113	83091	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	340660	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	109933	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	

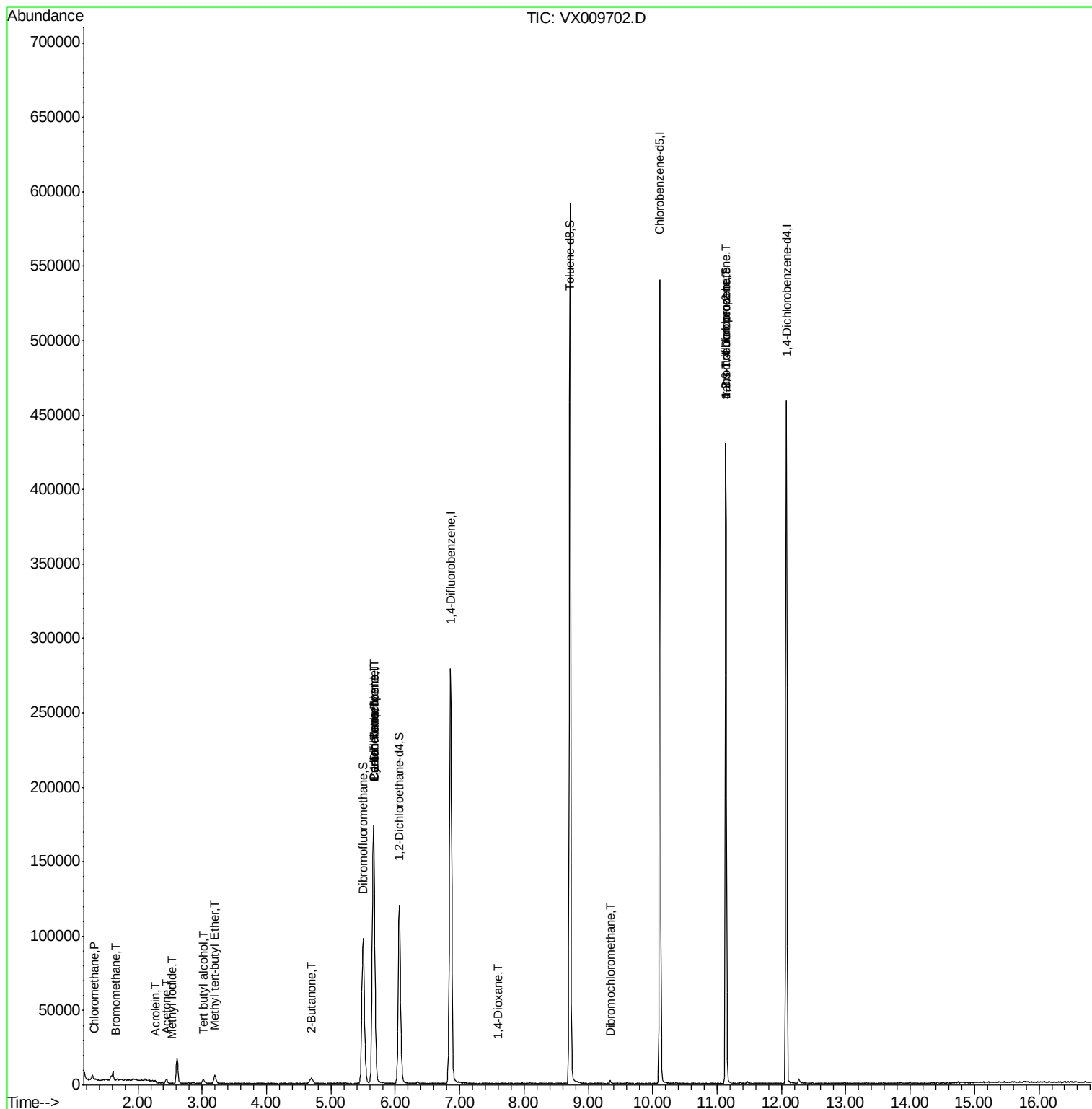
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	498	0.235	ug/l	96
5) Bromomethane	1.65	94	296	0.238	ug/l	92
10) Methyl Iodide	2.52	142	27	4.607	ug/l #	42
11) Tert butyl alcohol	3.01	59	2182	4.095	ug/l #	73
13) Acrolein	2.28	56	120	0.249	ug/l #	59
16) Acetone	2.45	43	2983	2.413	ug/l #	78
19) Methyl tert-butyl Ether	3.20	73	5599	0.911	ug/l	95
25) 2-Butanone	4.70	43	530	0.276	ug/l #	53
28) Bromochloromethane	5.00	49	52	Below Cal	#	20
31) Cyclohexane	5.66	56	3667	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13194	5.253	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16249	7.121	ug/l #	16
49) 1,4-Dioxane	7.59	88	19	0.337	ug/l #	1
60) Dibromochloromethane	9.34	129	379	0.201	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	55559	24.992	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55559	63.945	ug/l #	10

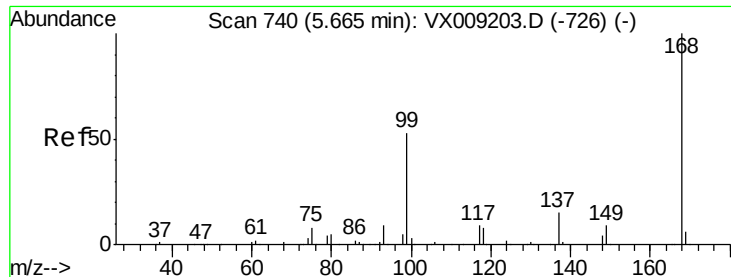
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009702.D

Acq: 18 May 2019 08:13

Instrument :

MSVOA_X

ClientSampleId :

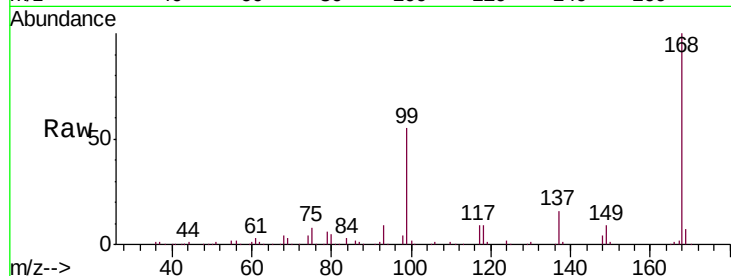
MW-15C_R2

Tgt Ion:168 Resp: 168621

Ion Ratio Lower Upper

168 100

99 55.0 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

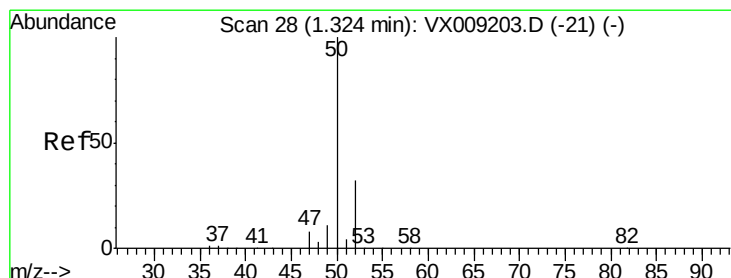
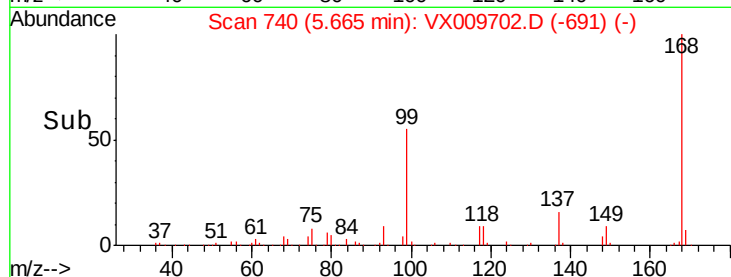
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009702.D

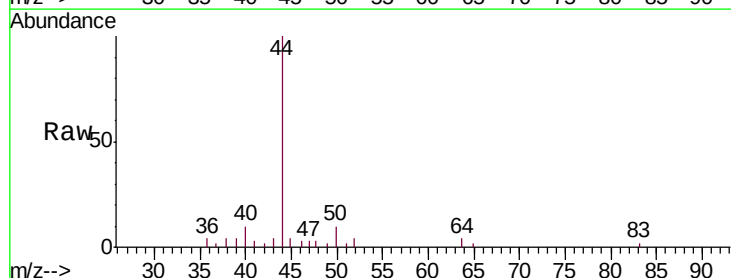
Acq: 18 May 2019 08:13

Tgt Ion: 50 Resp: 498

Ion Ratio Lower Upper

50 100

52 34.6 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

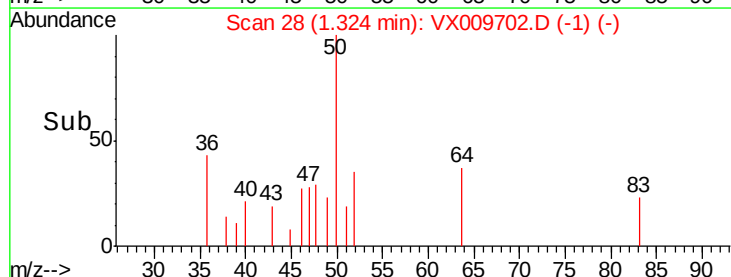
300

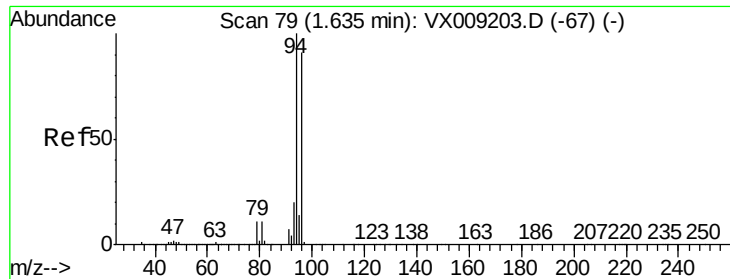
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

Instrument :

MSVOA_X

ClientSampleId :

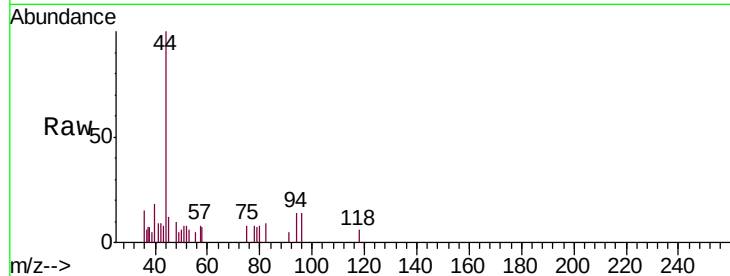
MW-15C_R2

Tgt Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 98.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150

100

50

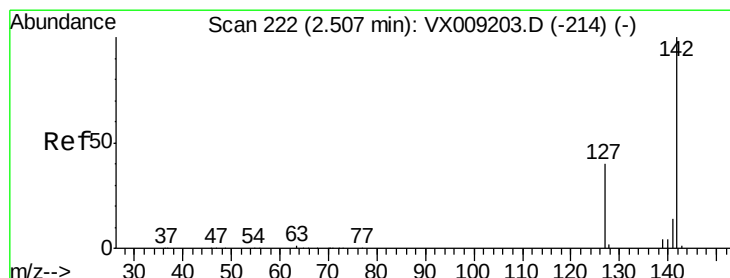
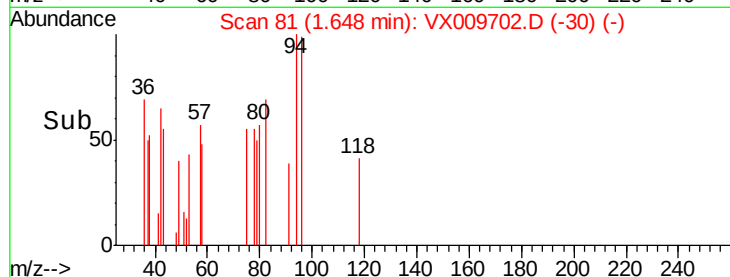
0

1.65

1.60

1.70

Time-->



#10

Methyl Iodide

Concen: 4.607 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

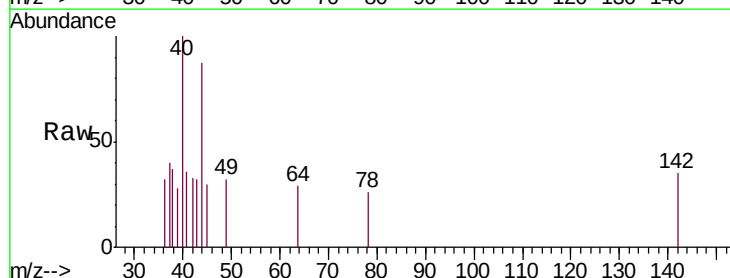
Tgt Ion: 142 Resp: 27

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

100

80

60

40

20

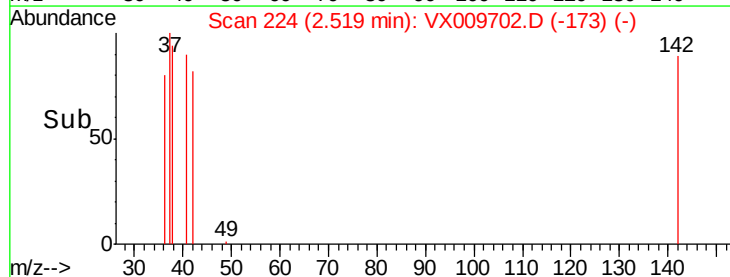
0

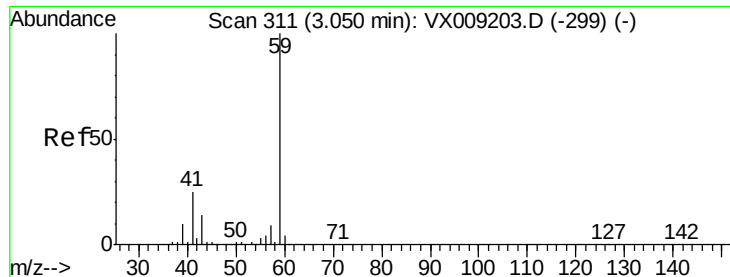
2.52

2.50

2.54

Time-->

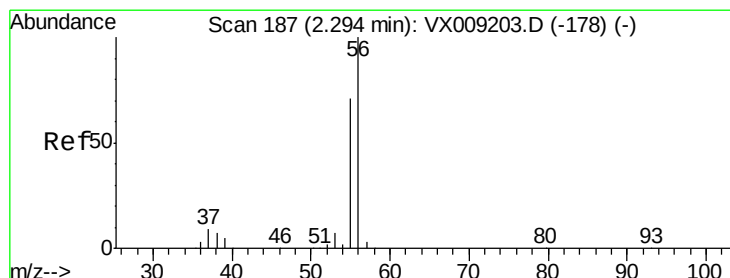
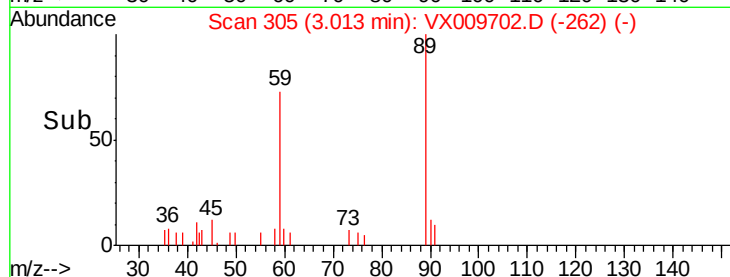
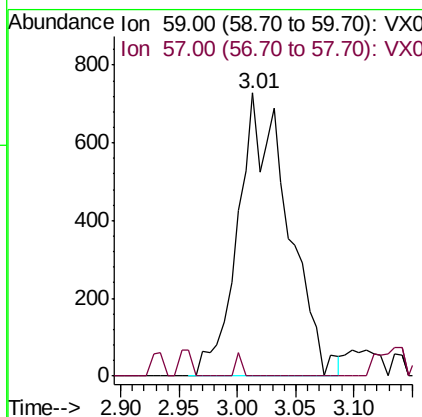
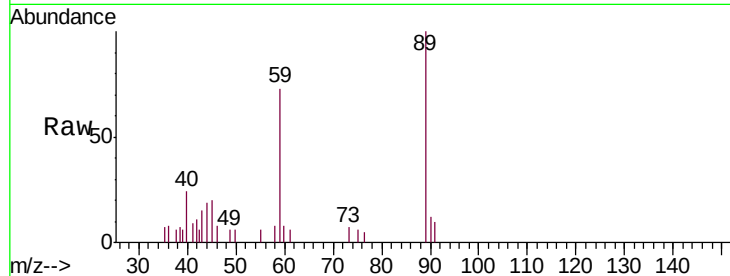




#11
Tert butyl alcohol
Concen: 4.095 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009702.D
Acq: 18 May 2019 08:13

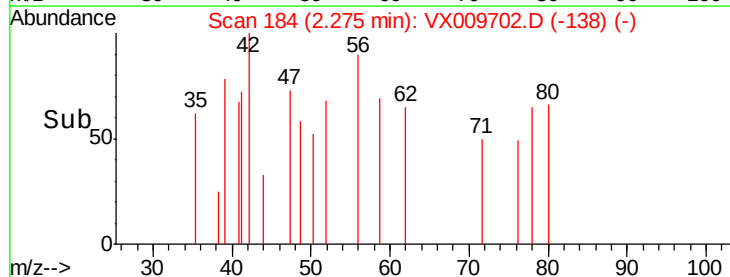
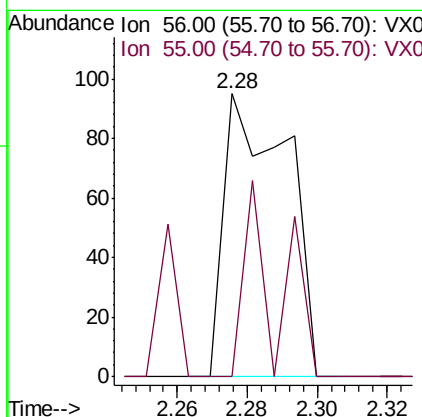
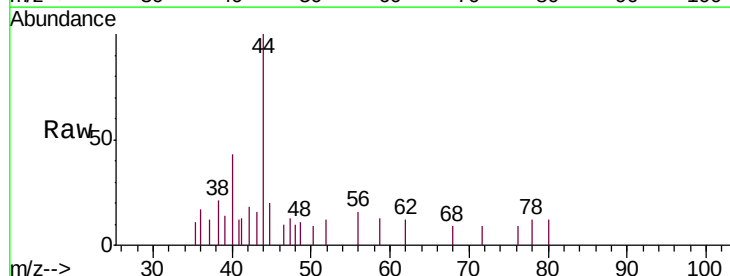
Instrument :
MSVOA_X
ClientSampled :
MW-15C_R2

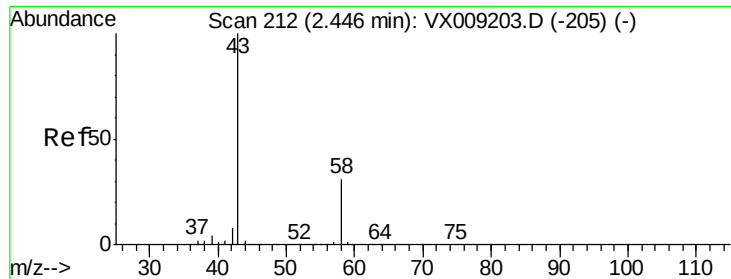
Tgt Ion: 59 Resp: 2182
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.249 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX009702.D
Acq: 18 May 2019 08:13

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 36.7 56.6 85.0#





#16

Acetone

Concen: 2.413 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

Instrument :

MSVOA_X

ClientSampleId :

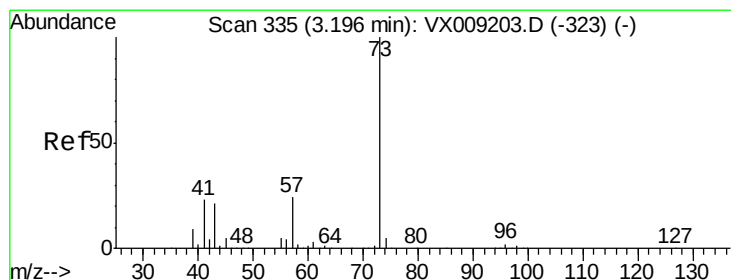
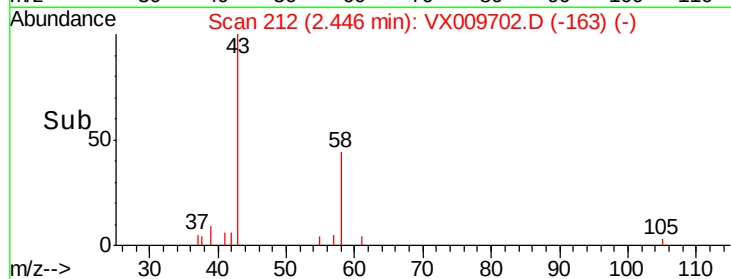
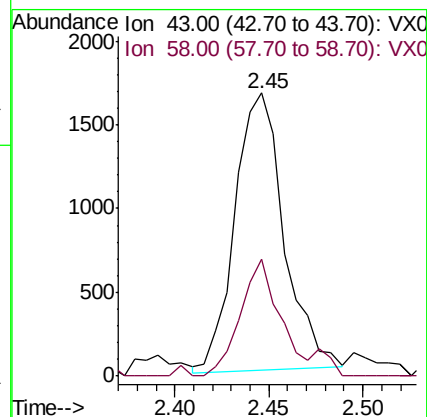
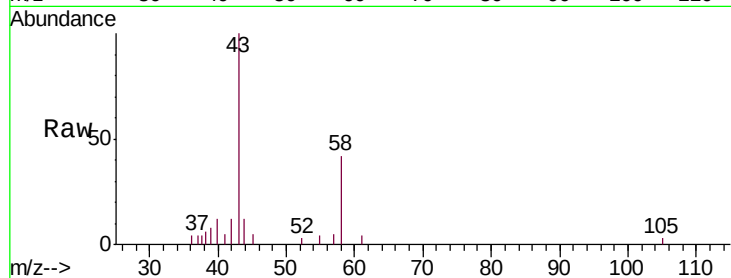
MW-15C_R2

Tgt Ion: 43 Resp: 2983

Ion Ratio Lower Upper

43 100

58 43.0 24.9 37.3#



#19

Methyl tert-butyl Ether

Concen: 0.911 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX009702.D

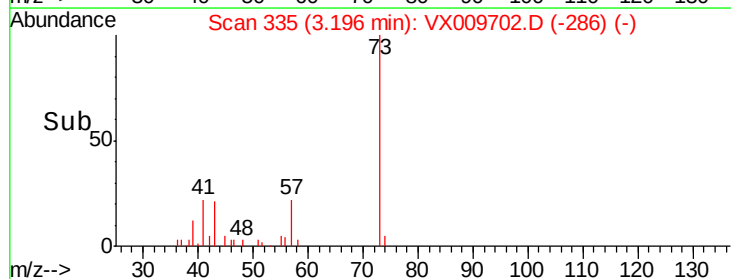
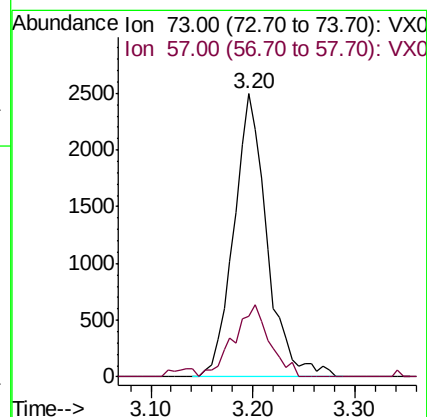
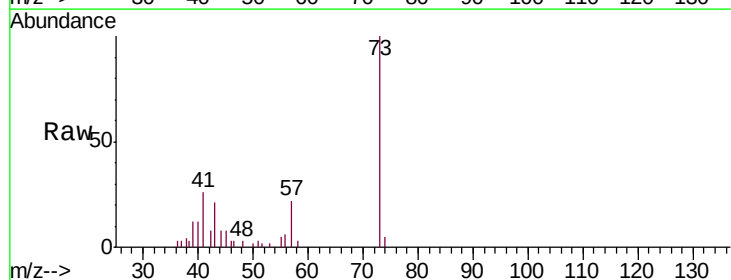
Acq: 18 May 2019 08:13

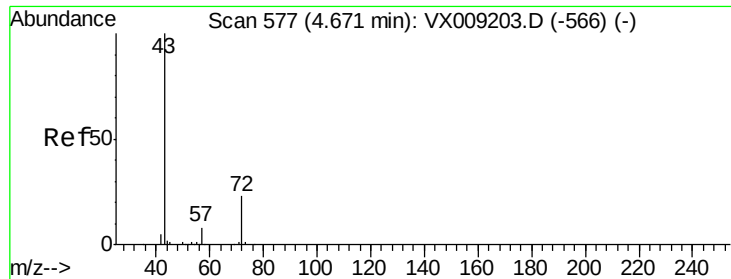
Tgt Ion: 73 Resp: 5599

Ion Ratio Lower Upper

73 100

57 21.6 19.3 28.9





#25

2-Butanone

Concen: 0.276 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

Instrument :

MSVOA_X

ClientSampled :

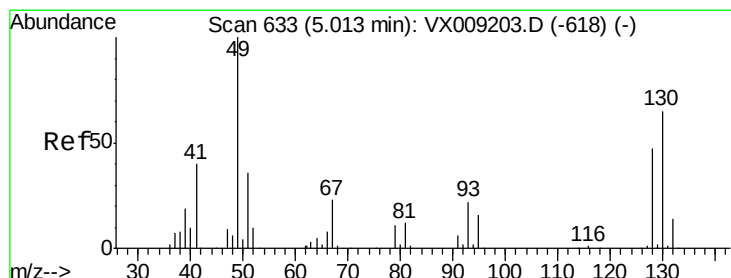
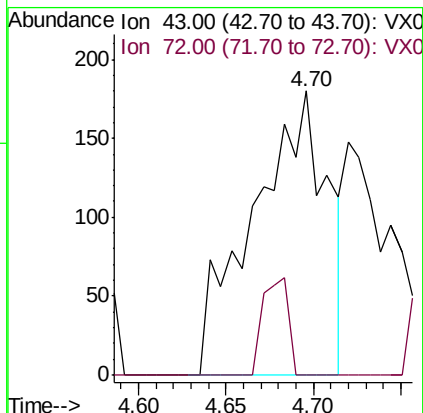
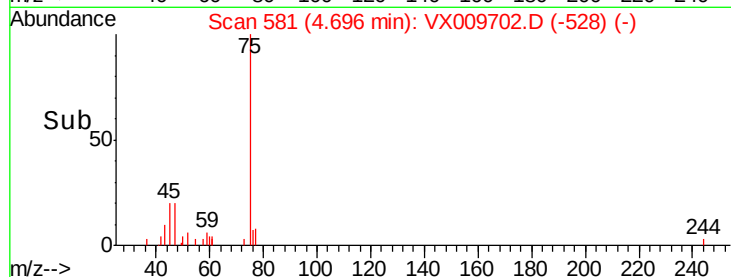
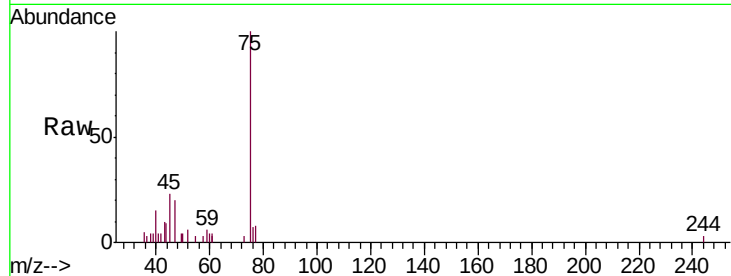
MW-15C_R2

Tgt Ion: 43 Resp: 530

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

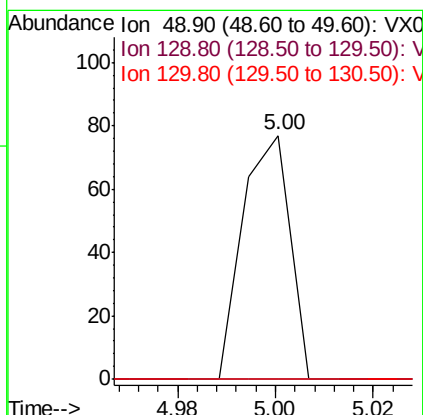
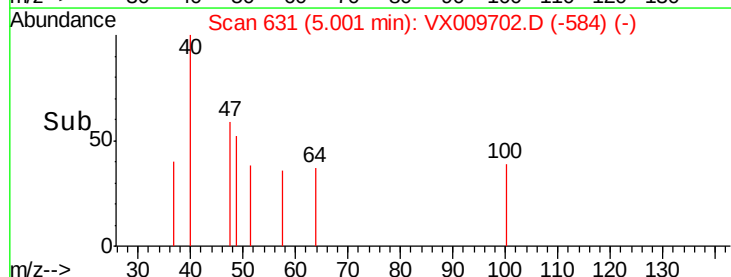
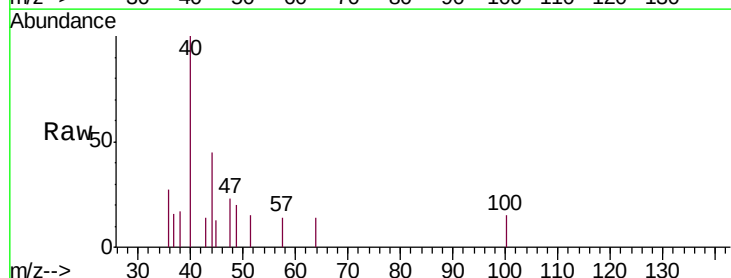
Tgt Ion: 49 Resp: 52

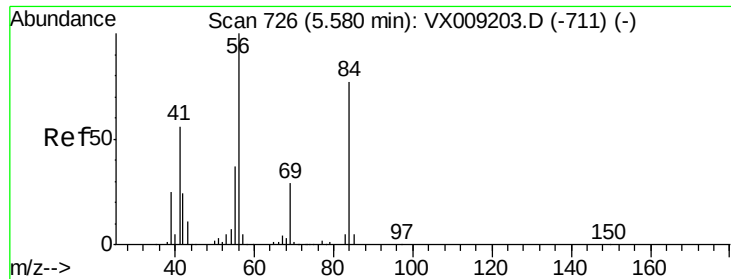
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#

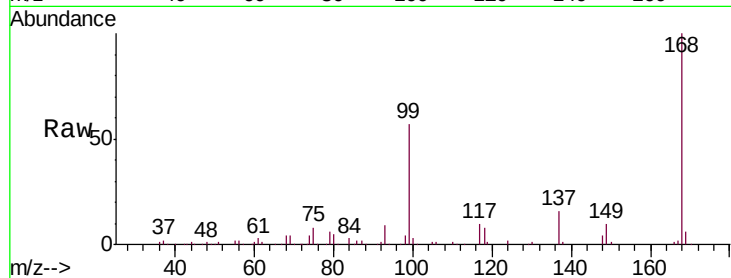




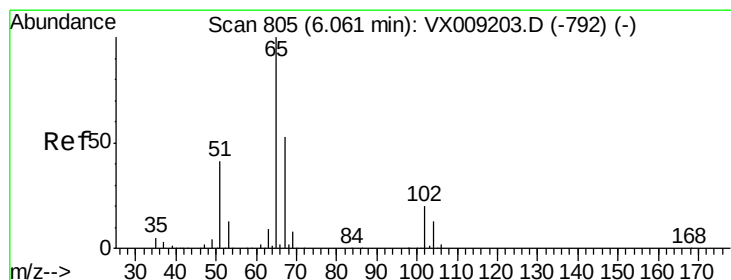
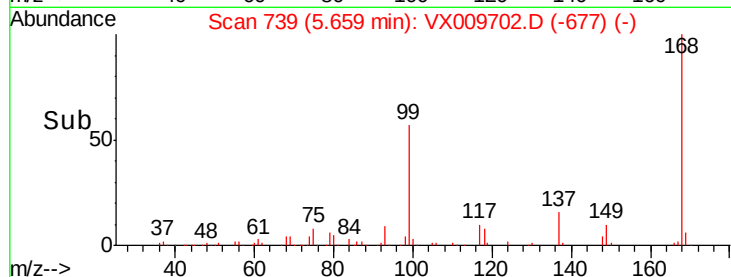
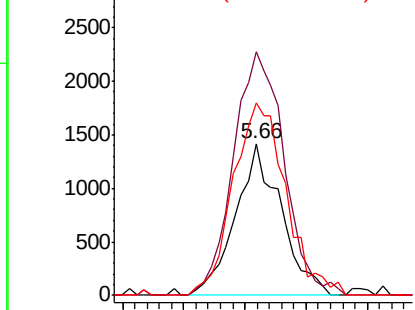
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009702.D
Acq: 18 May 2019 08:13

Instrument :
MSVOA_X
ClientSampleId :
MW-15C_R2

Tgt Ion: 56 Resp: 3667
Ion Ratio Lower Upper
56 100
69 160.3 23.4 35.0#
84 127.1 61.9 92.9#

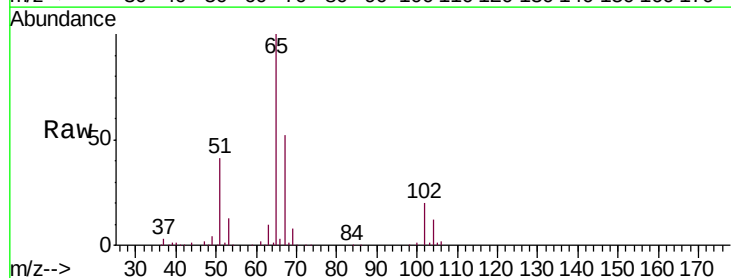


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

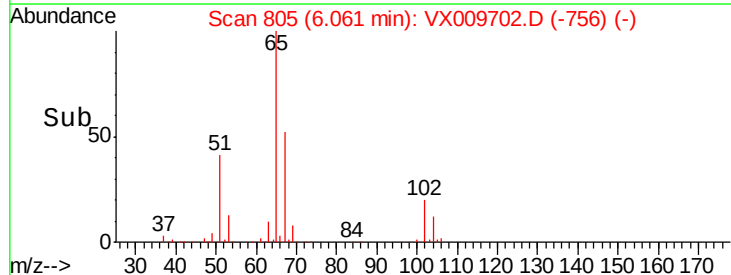
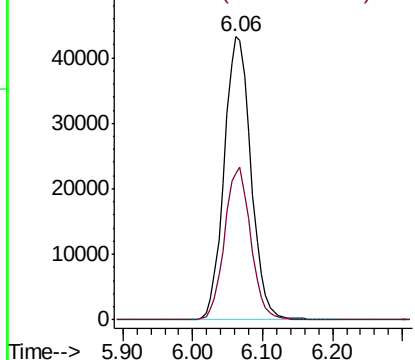


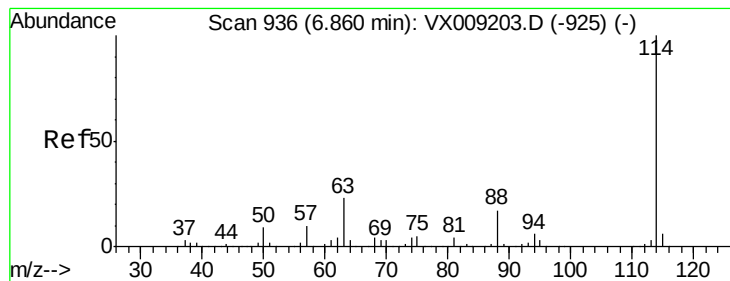
#33
1,2-Dichloroethane-d4
Concen: 50.041 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009702.D
Acq: 18 May 2019 08:13

Tgt Ion: 65 Resp: 115188
Ion Ratio Lower Upper
65 100
67 52.7 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: VX009702.D

Acq: 18 May 2019 08:13

Instrument :

MSVOA_X

ClientSampleId :

MW-15C_R2

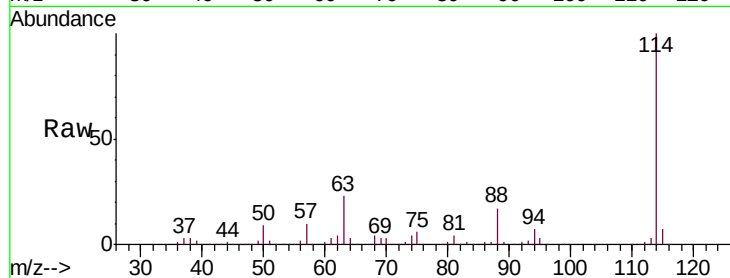
Tgt Ion:114 Resp: 270268

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

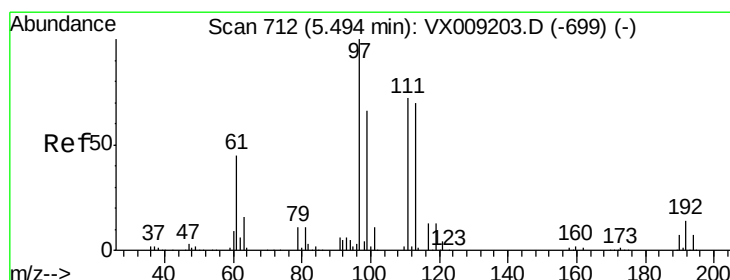
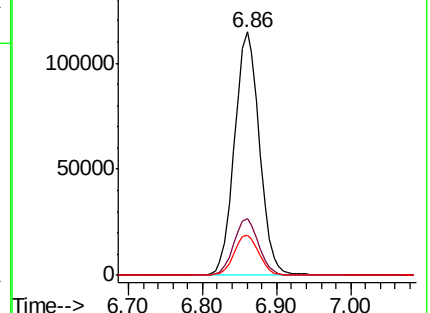
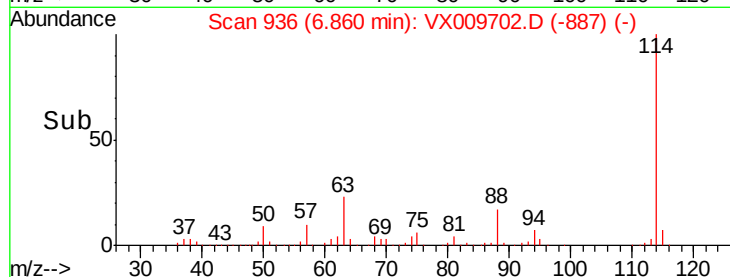
88 16.6 0.0 33.2



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: 48.905 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

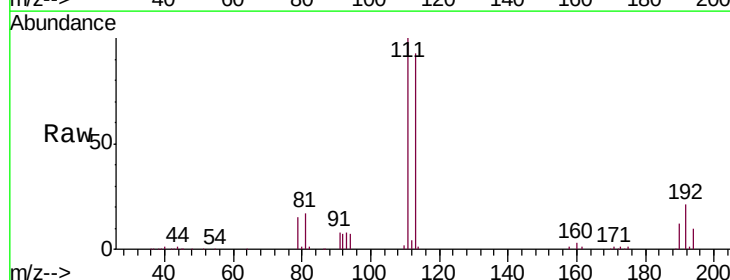
Tgt Ion:113 Resp: 83091

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

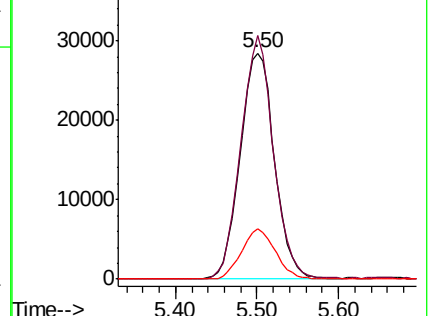
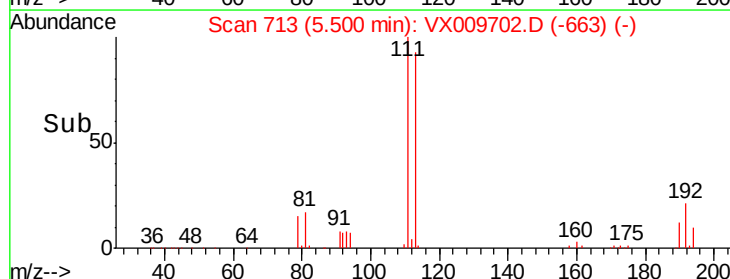
192 21.9 17.0 25.6

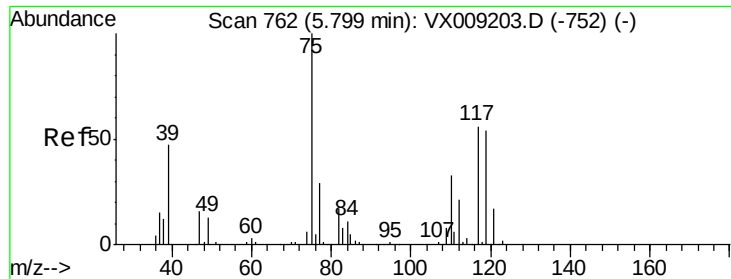


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

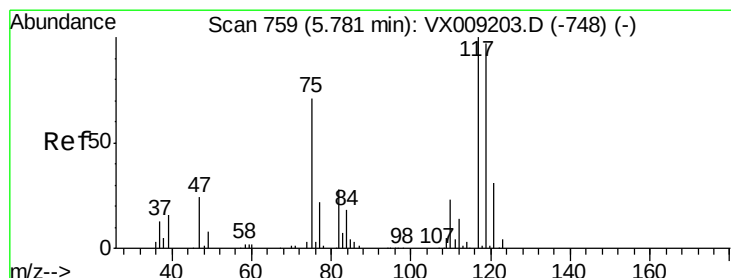
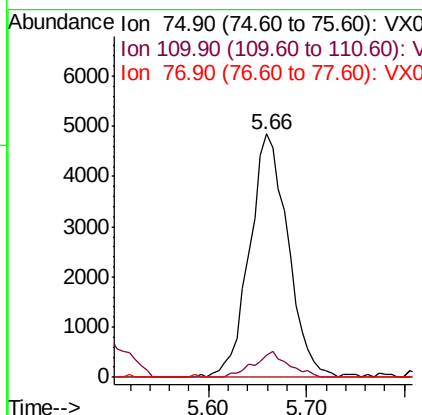
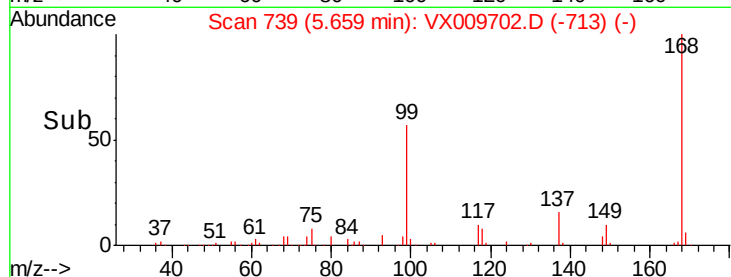
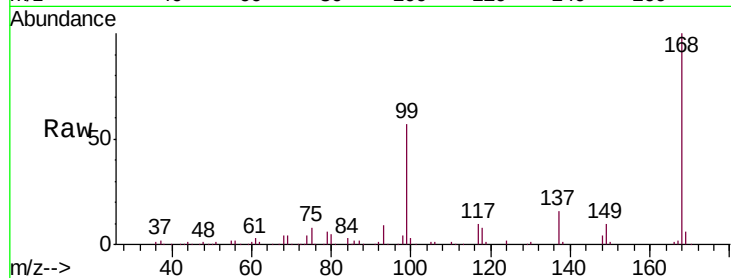




#36
 1,1-Dichloropropene
 Concen: 5.253 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009702.D
 Acq: 18 May 2019 08:13

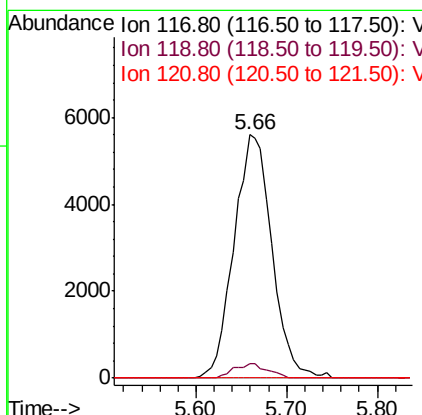
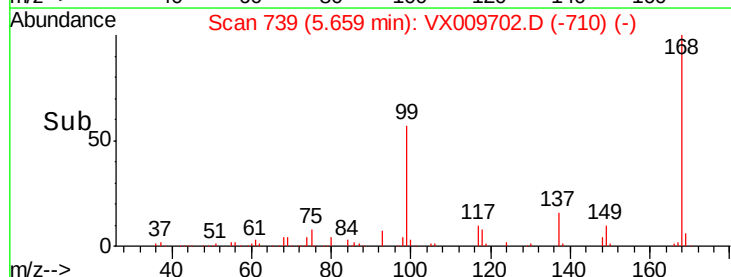
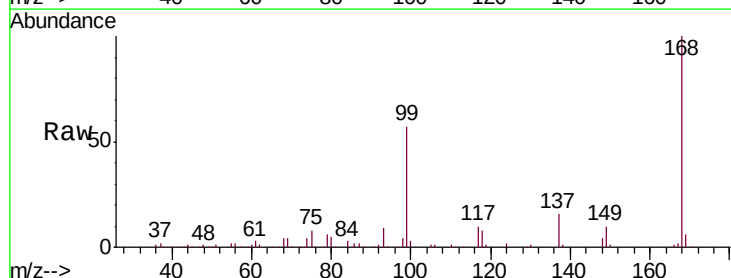
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15C_R2

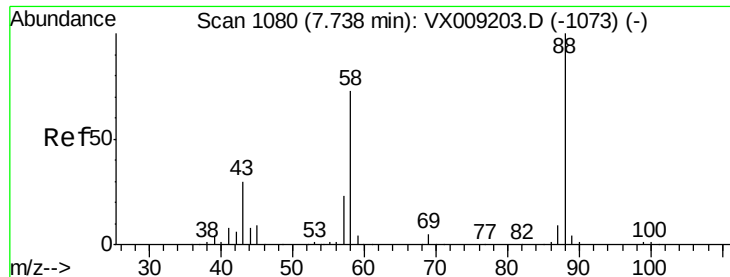
Tgt Ion: 75 Resp: 13194
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.121 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009702.D
 Acq: 18 May 2019 08:13

Tgt Ion: 117 Resp: 16249
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.5 116.3#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 0.337 ug/l

RT: 7.59 min Scan# 1056

Delta R.T. -0.15 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

Instrument :

MSVOA_X

ClientSampled :

MW-15C_R2

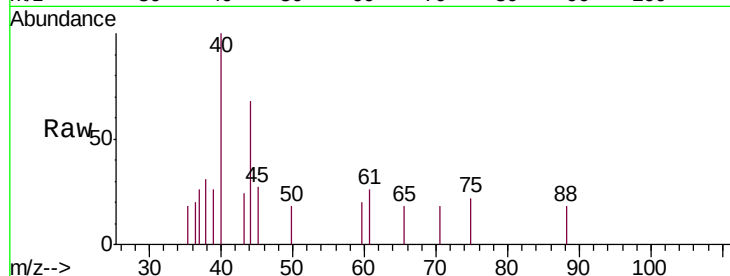
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 810.5 28.6 42.8#

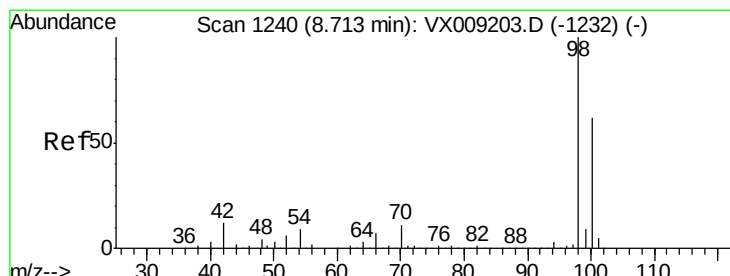
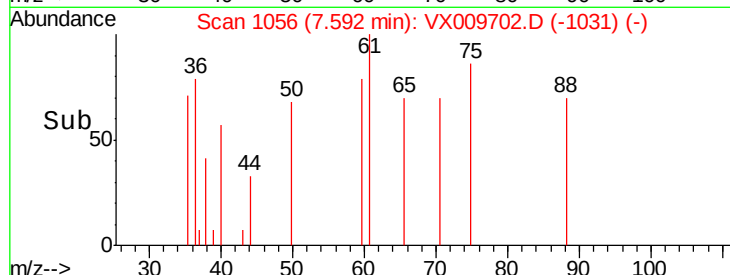
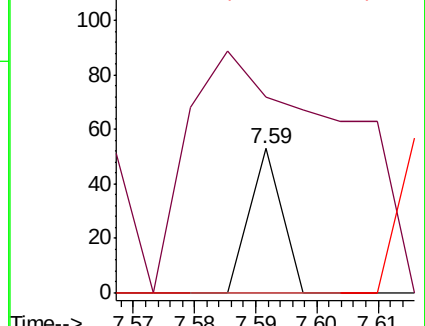
58 0.0 61.7 92.5#



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: 49.664 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009702.D

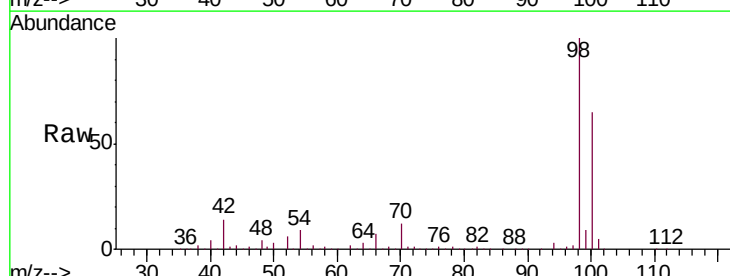
Acq: 18 May 2019 08:13

Tgt Ion: 98 Resp: 340660

Ion Ratio Lower Upper

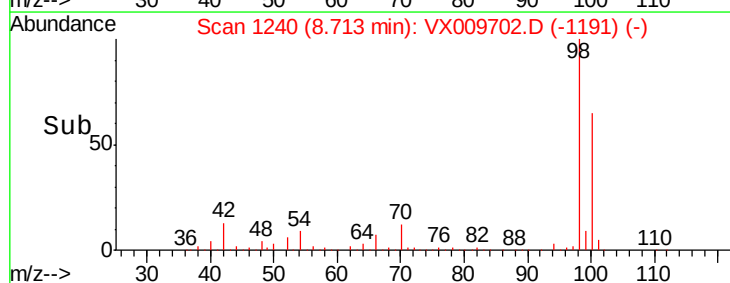
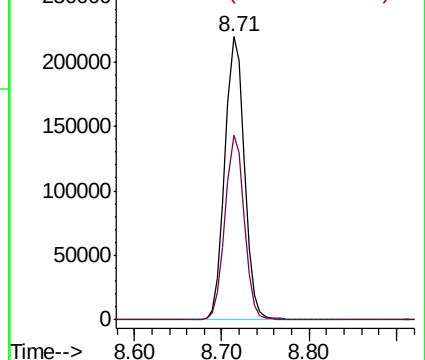
98 100

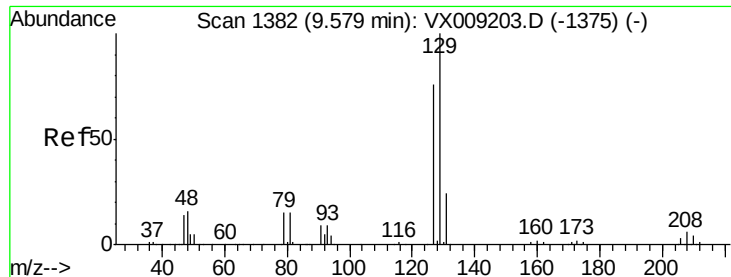
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

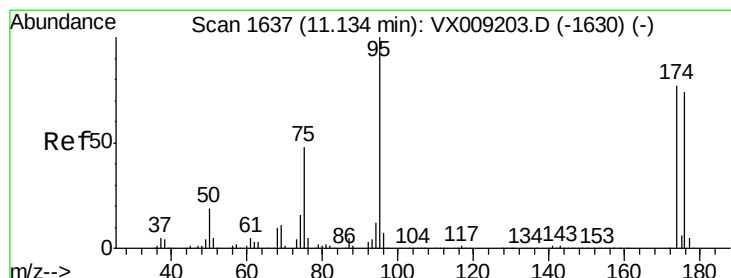
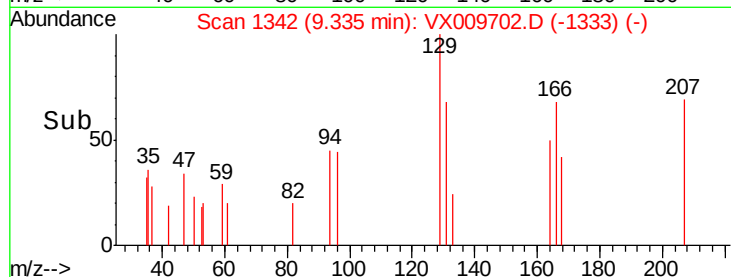
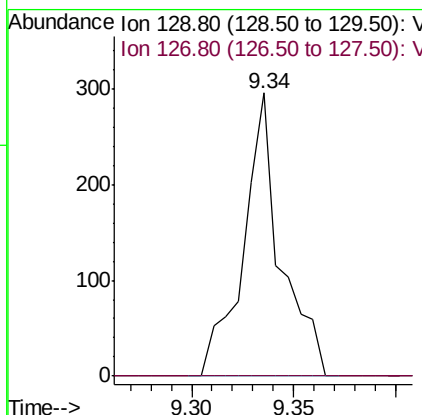
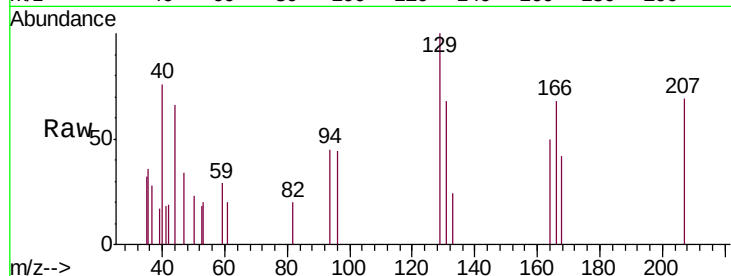




#60
 Dibromochloromethane
 Concen: 0.201 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009702.D
 Acq: 18 May 2019 08:13

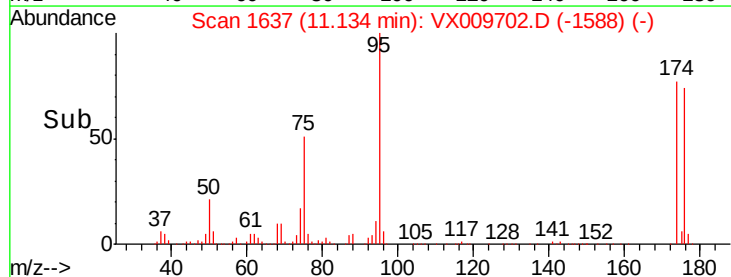
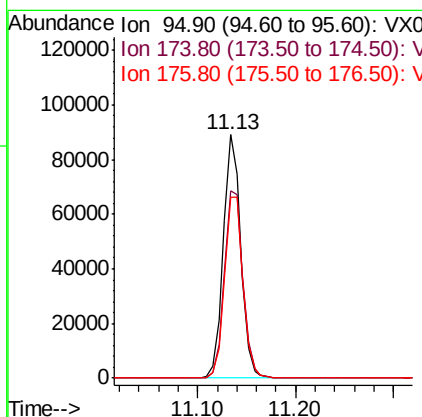
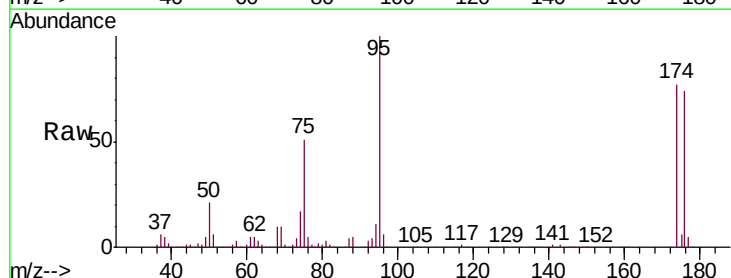
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15C_R2

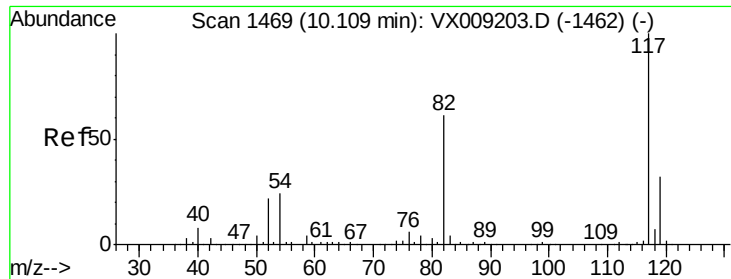
Tgt Ion:129 Resp: 379
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 44.107 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009702.D
 Acq: 18 May 2019 08:13

Tgt Ion: 95 Resp: 109933
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 161.6
 176 78.9 0.0 159.2

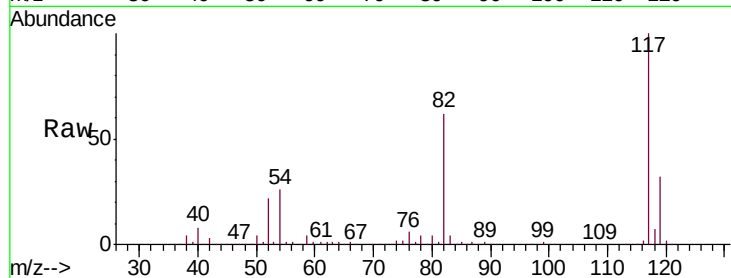




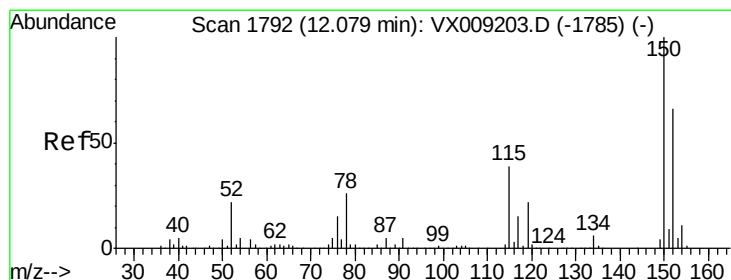
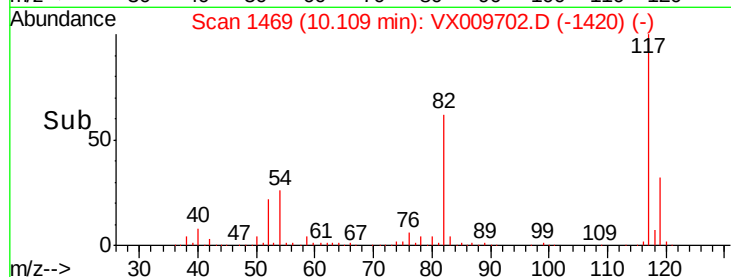
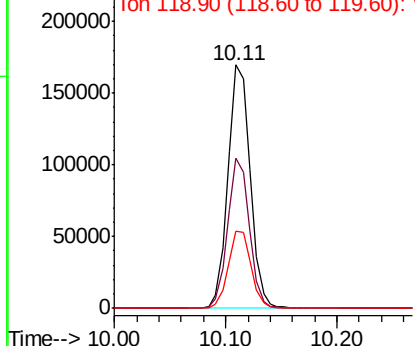
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009702.D
Acq: 18 May 2019 08:13

Instrument :
MSVOA_X
ClientSampleId :
MW-15C_R2

Tgt Ion:117 Resp: 234791
Ion Ratio Lower Upper
117 100
82 61.8 48.8 73.2
119 31.6 25.8 38.6

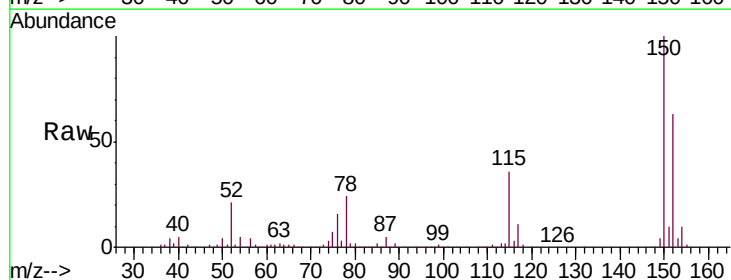


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

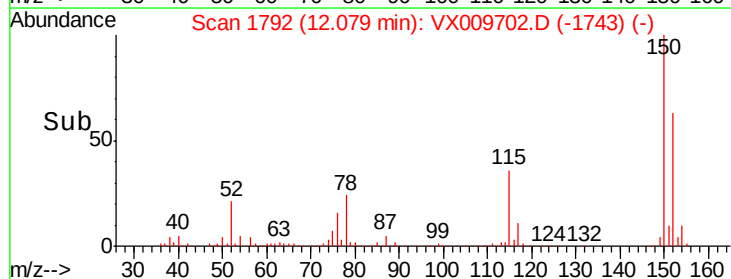
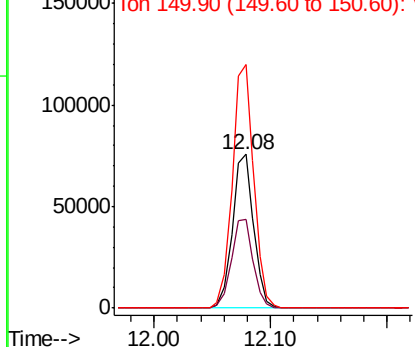


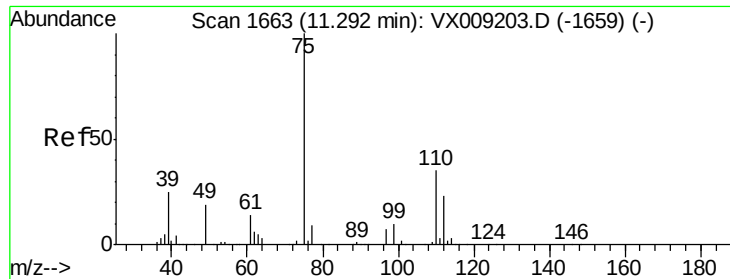
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009702.D
Acq: 18 May 2019 08:13

Tgt Ion:152 Resp: 95837
Ion Ratio Lower Upper
152 100
115 58.8 41.2 123.6
150 159.4 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: 24.992 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

Instrument :

MSVOA_X

ClientSampled :

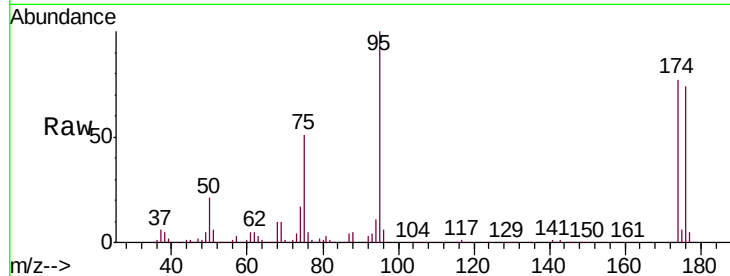
MW-15C_R2

Tgt Ion: 75 Resp: 55559

Ion Ratio Lower Upper

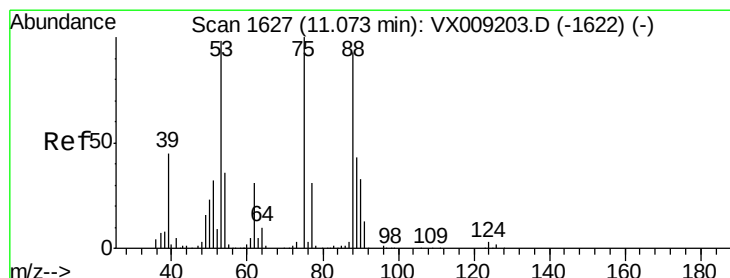
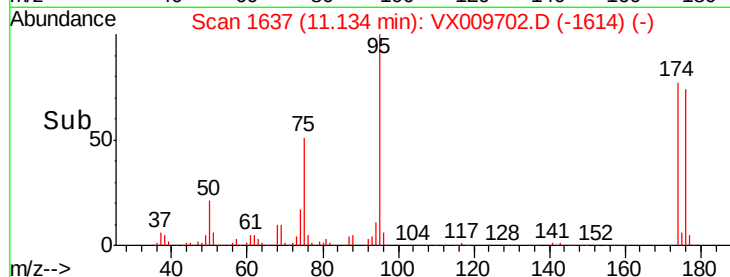
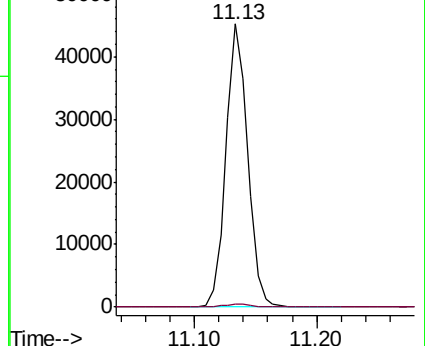
75 100

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: 63.945 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009702.D

Acq: 18 May 2019 08:13

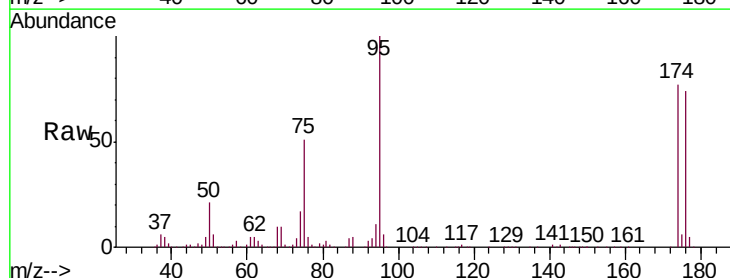
Tgt Ion: 75 Resp: 55559

Ion Ratio Lower Upper

75 100

53 0.0 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

