

Data File : VX009707.D
Acq On : 18 May 2019 10:10
Operator : JC/SP
Sample : K2901-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 61 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-15A_R2

Quant Time: May 20 04:17:43 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	167152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113313	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	5.50	113	82247	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	8.71	98	338168	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.13	95	111487	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	

Target Compounds

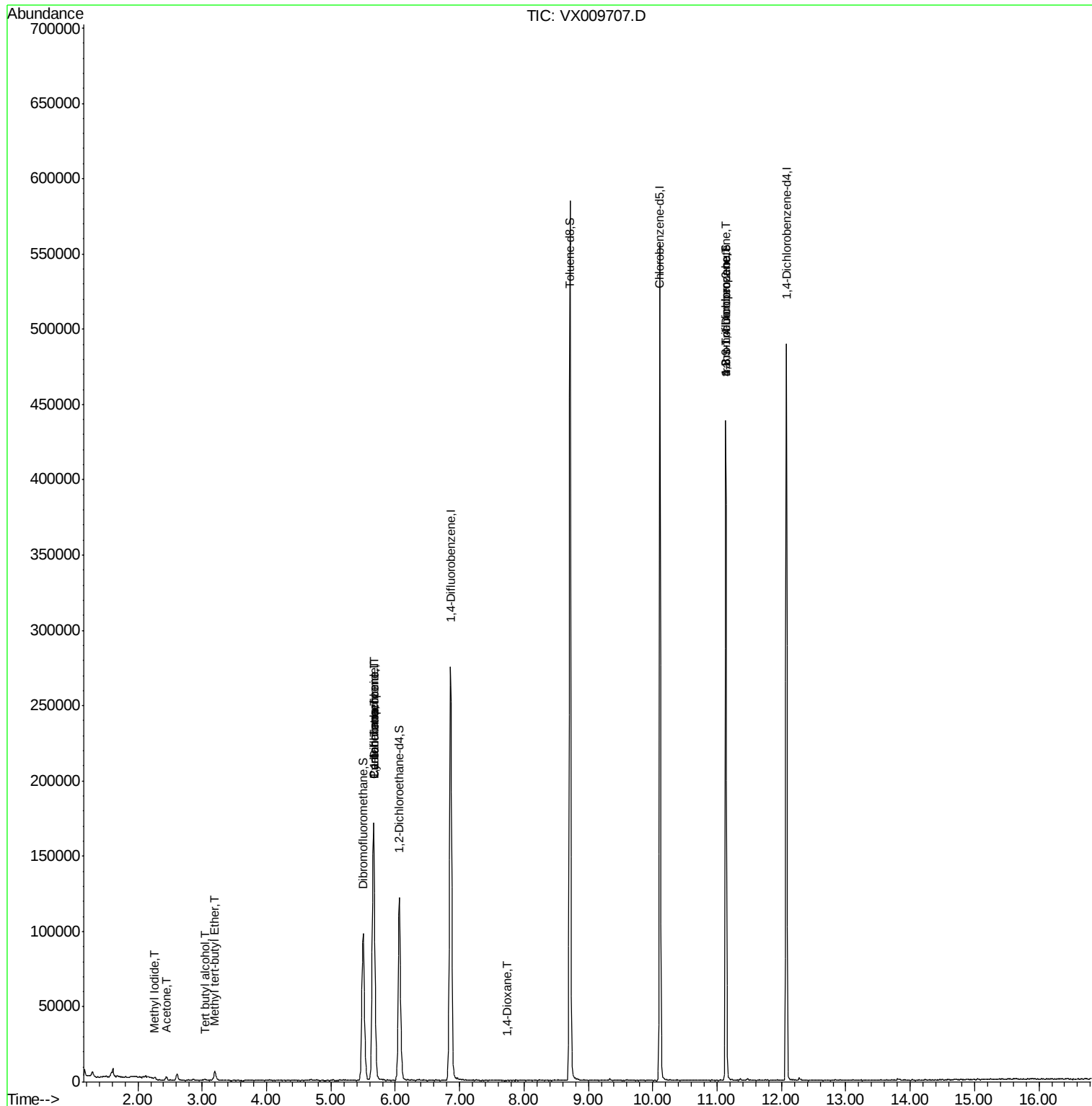
						Qvalue
10) Methyl Iodide	2.26	142	21	4.604	ug/l #	42
11) Tert butyl alcohol	3.05	59	653	1.236	ug/l #	61
16) Acetone	2.44	43	2408	1.965	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	6213	1.020	ug/l #	81
28) Bromochloromethane	5.03	49	22	Below Cal	#	20
31) Cyclohexane	5.66	56	3814	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13071	5.210	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15621	6.854	ug/l #	16
49) 1,4-Dioxane	7.74	88	19	0.338	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58118	24.489	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58118	62.659	ug/l #	10

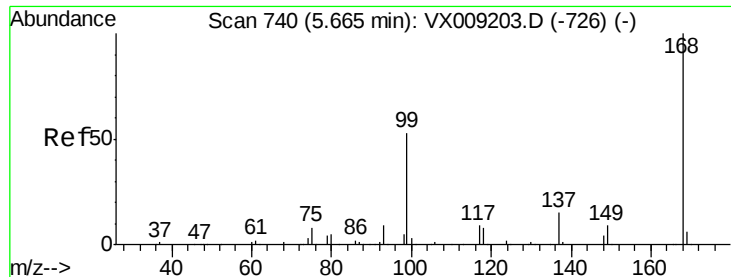
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009707.D

Acq: 18 May 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

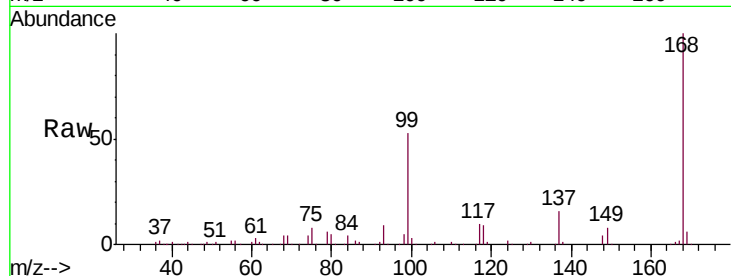
MW-15A_R2

Tgt Ion:168 Resp: 167152

Ion Ratio Lower Upper

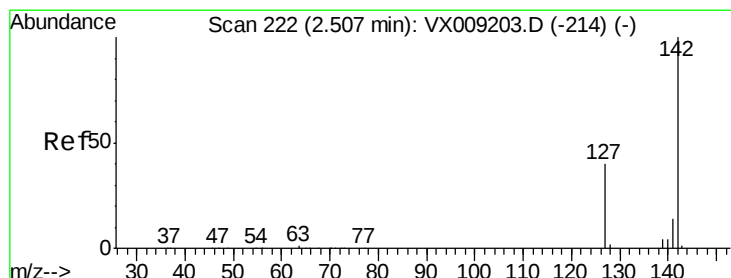
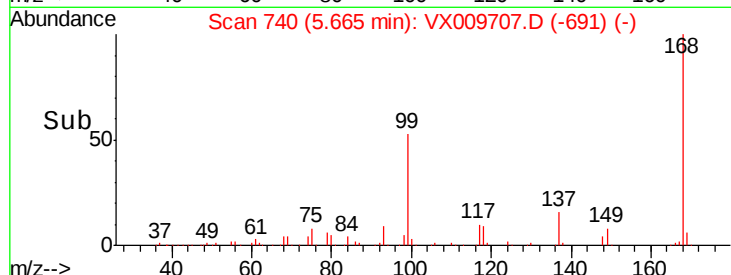
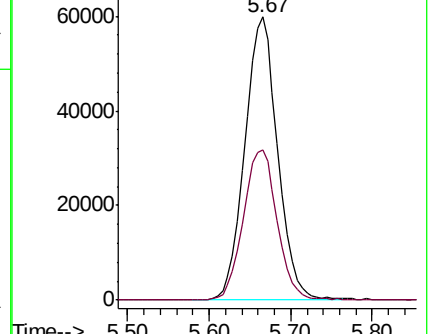
168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.604 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.24 min

Lab File: VX009707.D

Acq: 18 May 2019 10:10

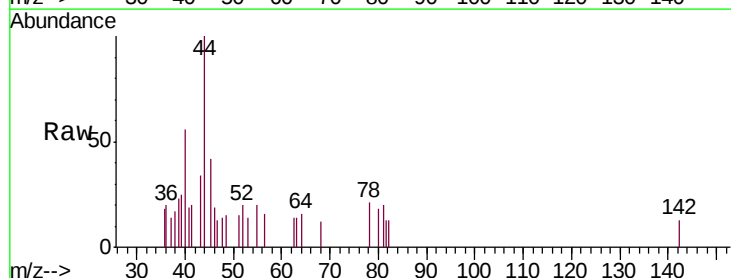
Tgt Ion:142 Resp: 21

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

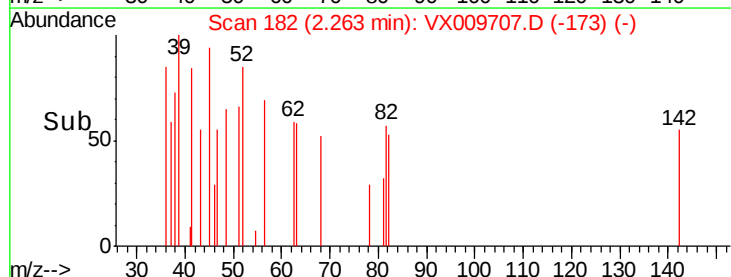
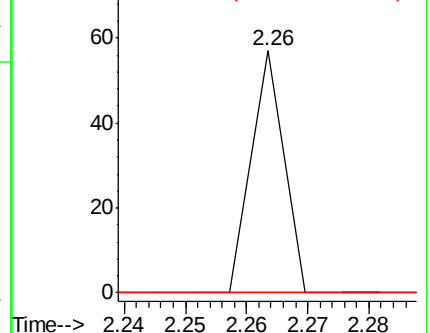
141 0.0 11.5 17.3#

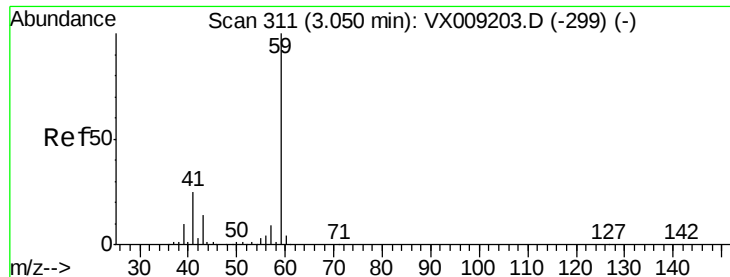


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

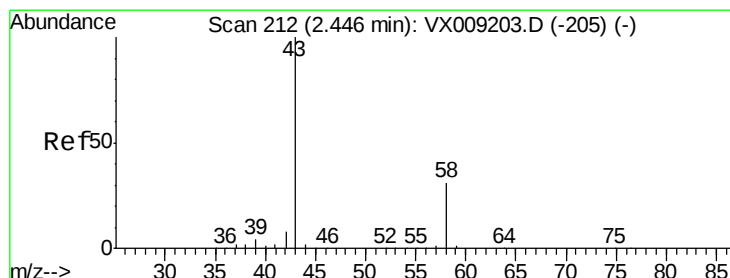
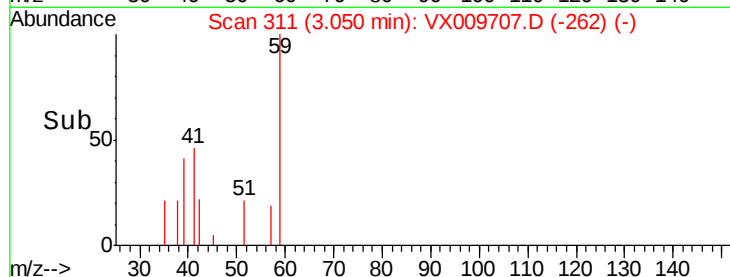
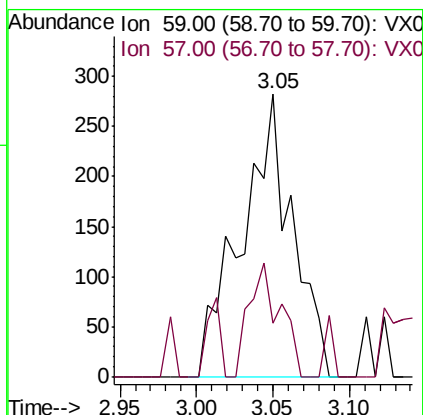
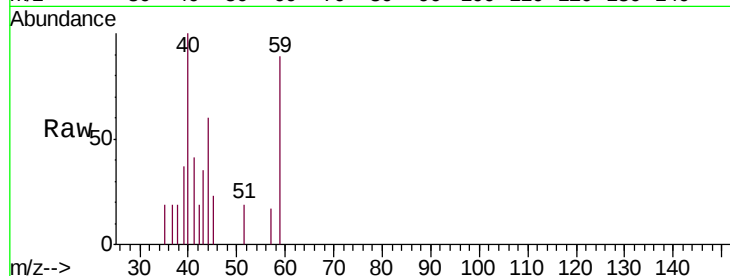




#11
Tert butyl alcohol
Concen: 1.236 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009707.D
Acq: 18 May 2019 10:10

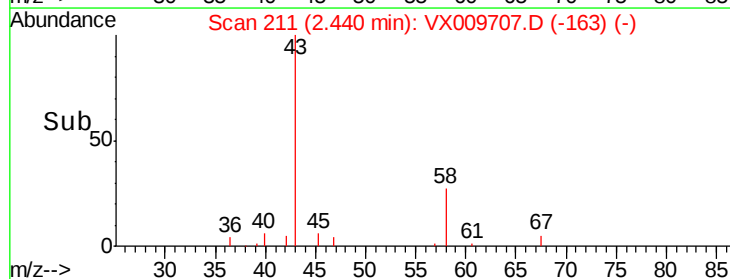
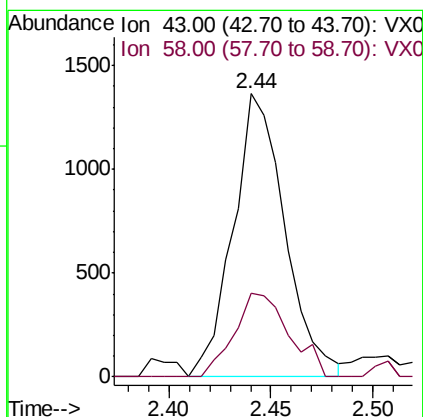
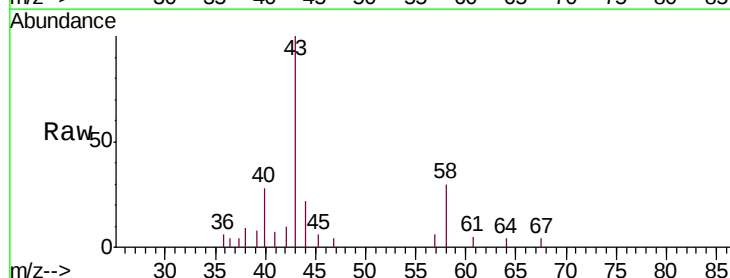
Instrument :
MSVOA_X
ClientSampled :
MW-15A_R2

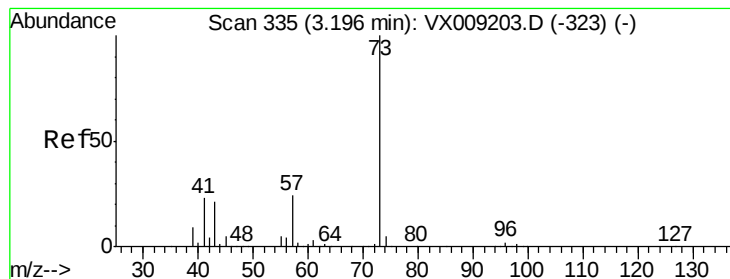
Tgt Ion: 59 Resp: 653
Ion Ratio Lower Upper
59 100
57 24.7 8.2 12.2#



#16
Acetone
Concen: 1.965 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009707.D
Acq: 18 May 2019 10:10

Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
58 29.6 24.9 37.3



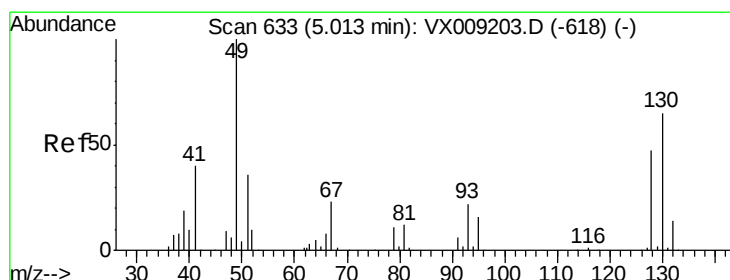
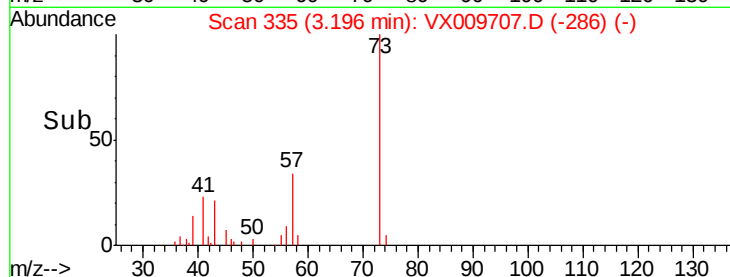
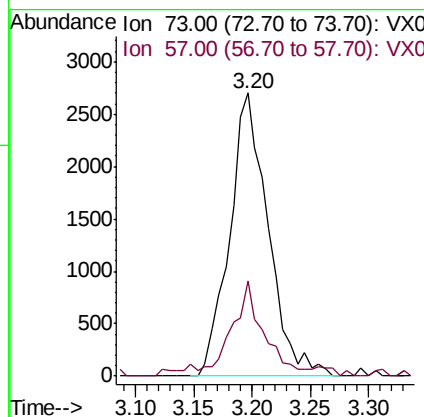
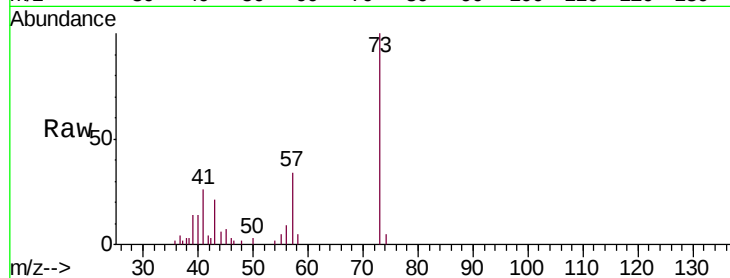


#19

Methyl tert-butyl Ether
 Concen: 1.020 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009707.D
 Acq: 18 May 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15A_R2

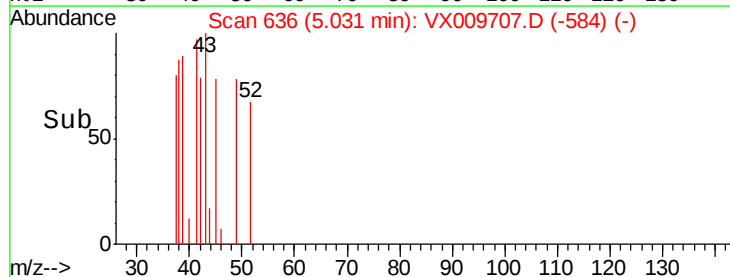
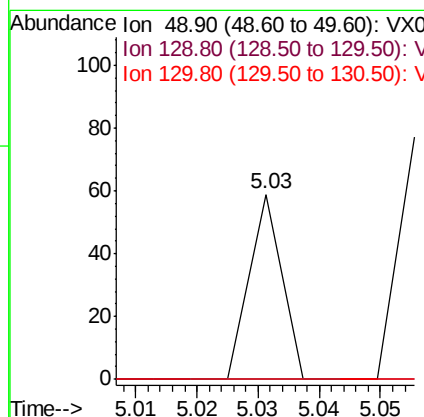
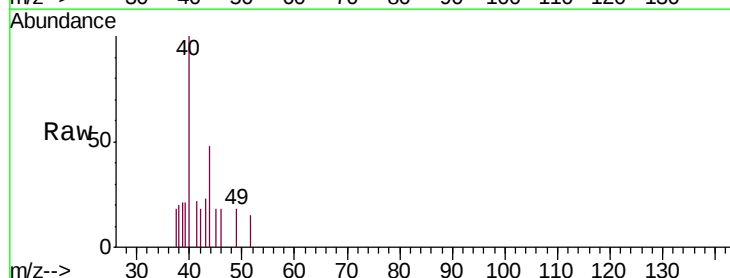
Tgt Ion: 73 Resp: 6213
 Ion Ratio Lower Upper
 73 100
 57 33.7 19.3 28.9#

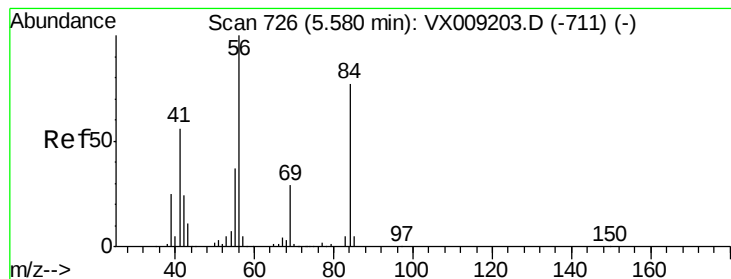


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 636
 Delta R.T. 0.02 min
 Lab File: VX009707.D
 Acq: 18 May 2019 10:10

Tgt Ion: 49 Resp: 22
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 51.2 76.8#





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009707.D

Acq: 18 May 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

MW-15A_R2

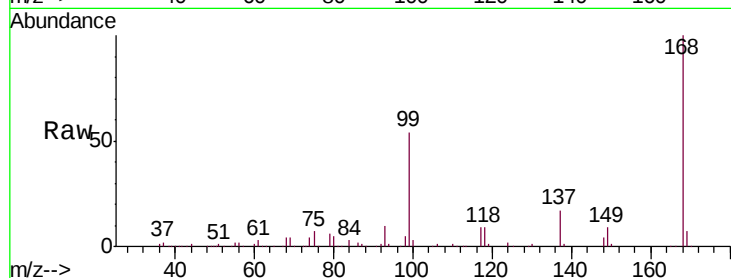
Tgt Ion: 56 Resp: 3814

Ion Ratio Lower Upper

56 100

69 187.1 23.4 35.0#

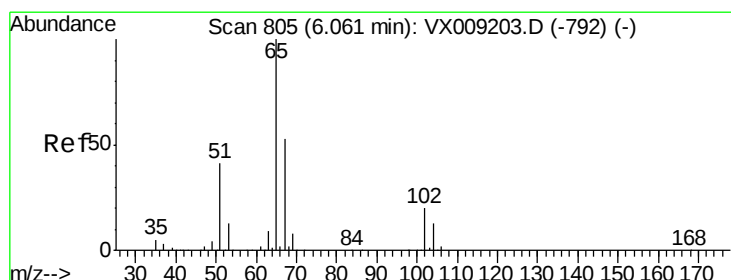
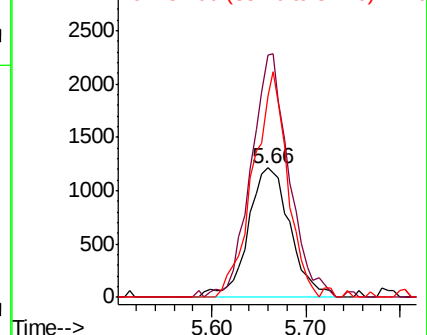
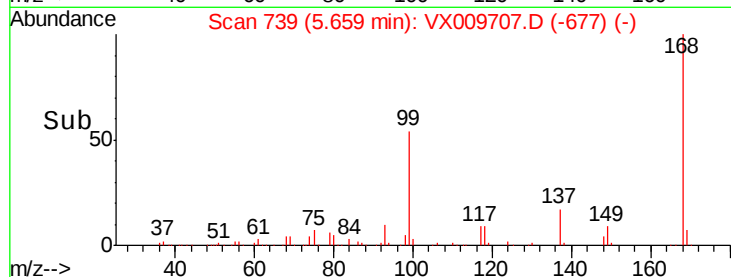
84 155.4 61.9 92.9#



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: 49.659 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009707.D

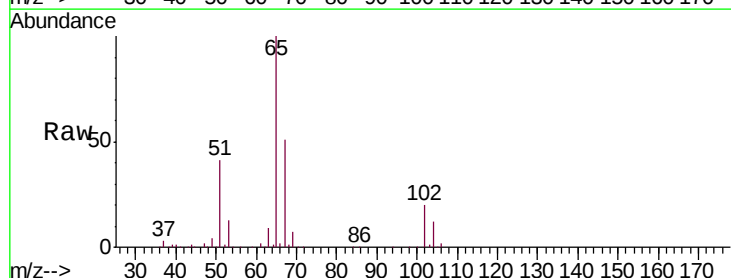
Acq: 18 May 2019 10:10

Tgt Ion: 65 Resp: 113313

Ion Ratio Lower Upper

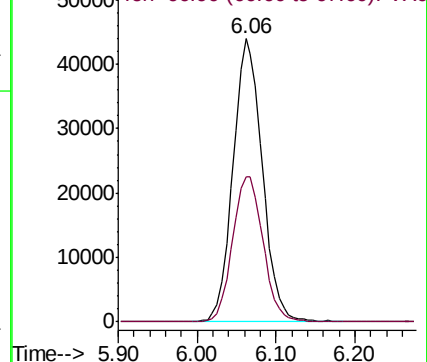
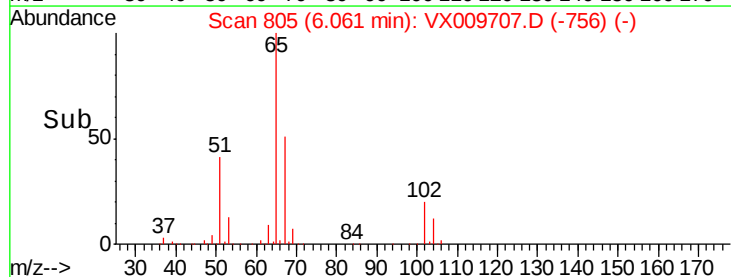
65 100

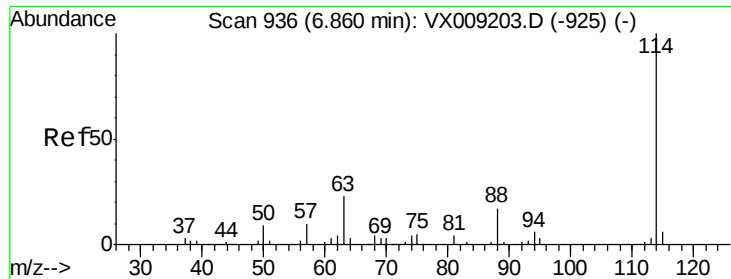
67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

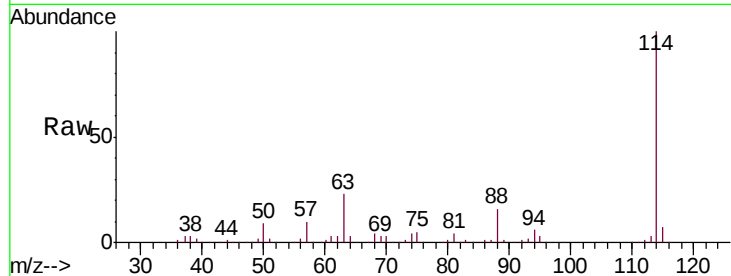




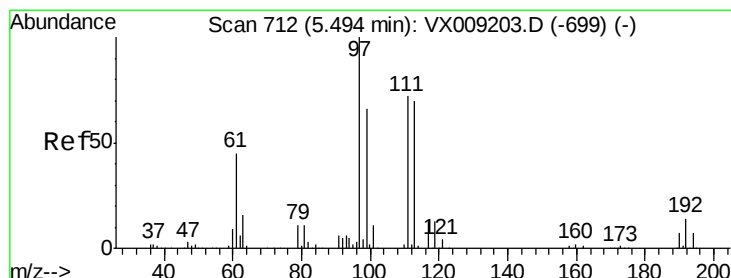
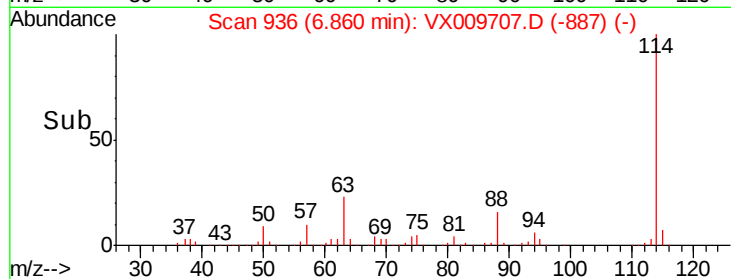
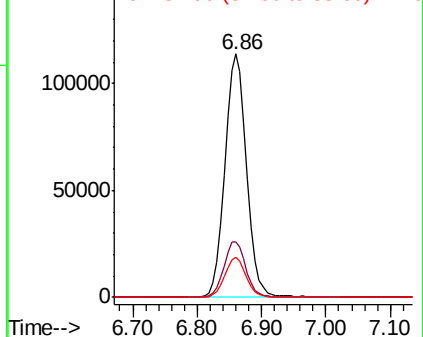
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009707.D
 Acq: 18 May 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15A_R2

Tgt Ion:114 Resp: 269942
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.5 0.0 33.2

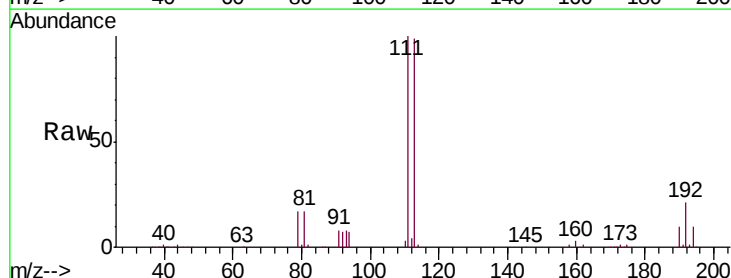


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

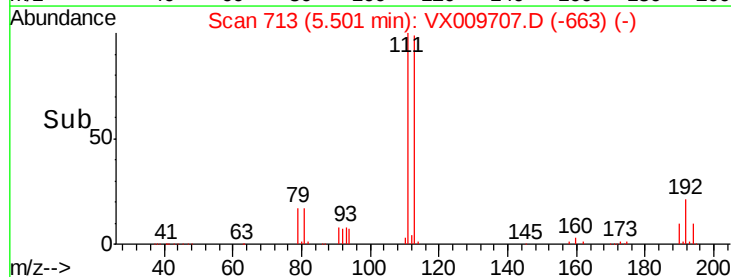
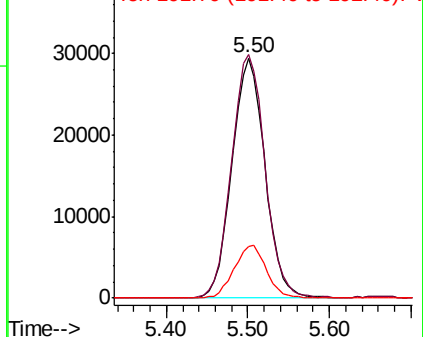


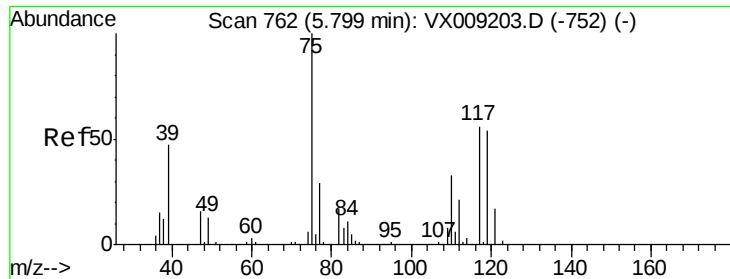
#35
 Dibromofluoromethane
 Concen: 48.467 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009707.D
 Acq: 18 May 2019 10:10

Tgt Ion:113 Resp: 82247
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 21.5 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: 5.210 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009707.D

Acq: 18 May 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

MW-15A_R2

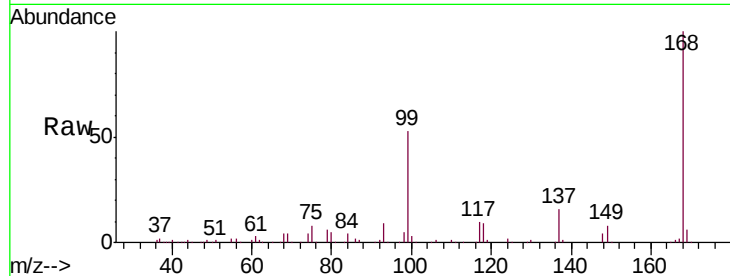
Tgt Ion: 75 Resp: 13071

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

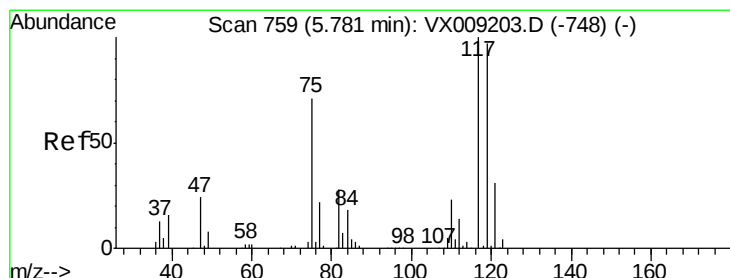
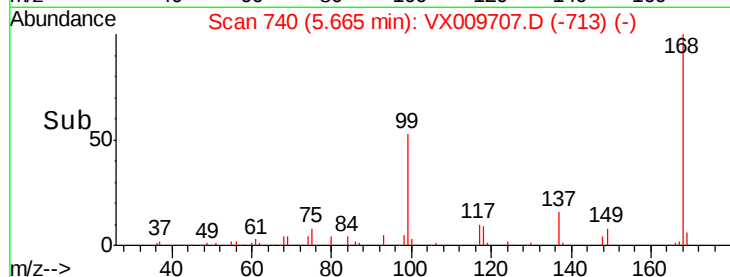
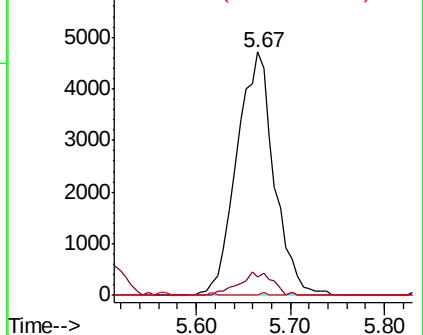
77 0.1 24.8 37.2#



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: 6.854 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009707.D

Acq: 18 May 2019 10:10

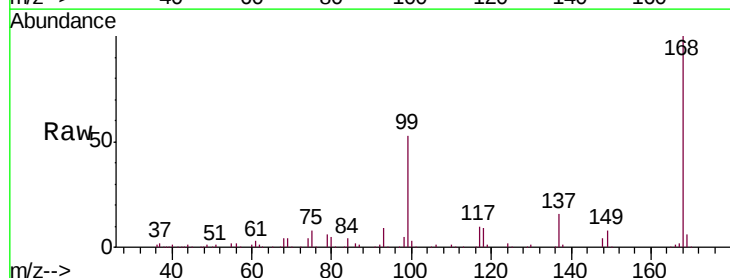
Tgt Ion: 117 Resp: 15621

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

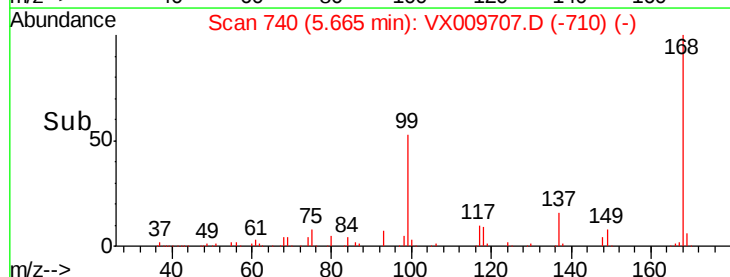
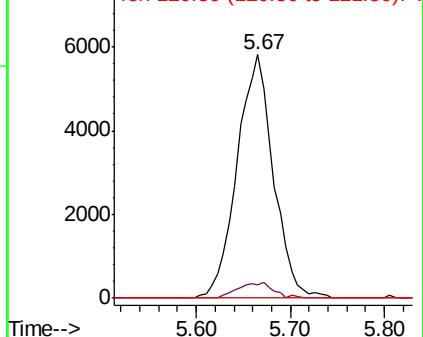
121 0.0 24.7 37.1#

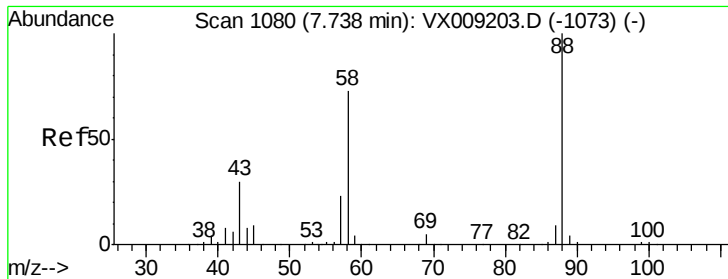


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

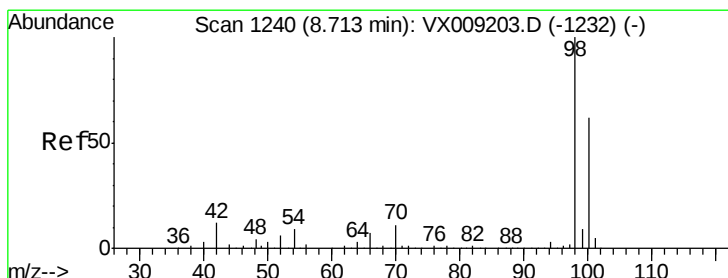
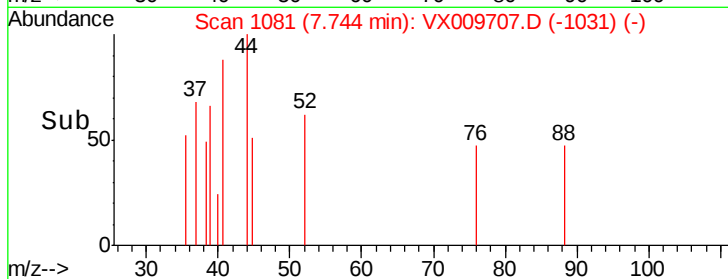
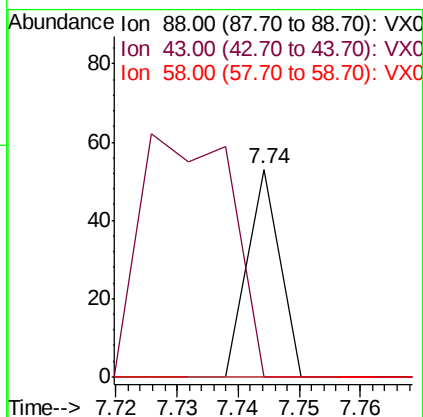
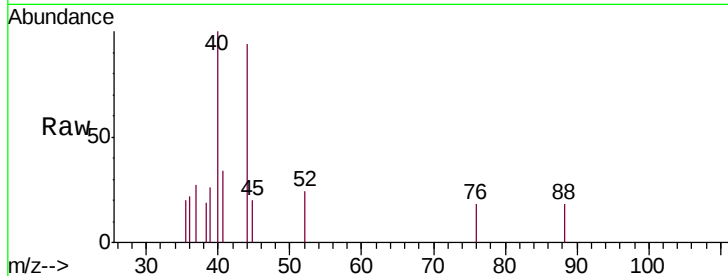




#49
 1,4-Dioxane
 Concen: 0.338 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX009707.D
 Acq: 18 May 2019 10:10

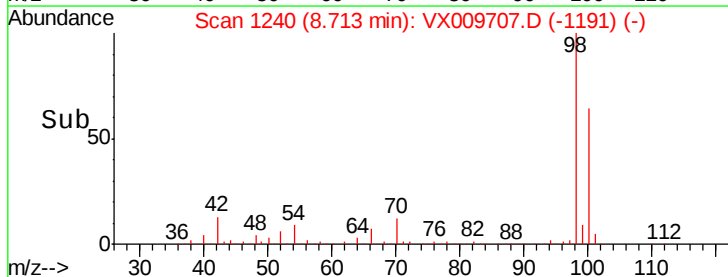
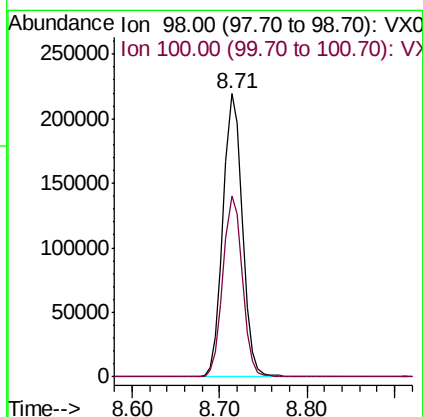
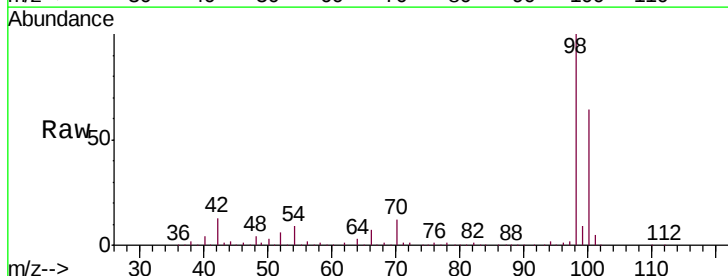
Instrument :
 MSVOA_X
 ClientSampled :
 MW-15A_R2

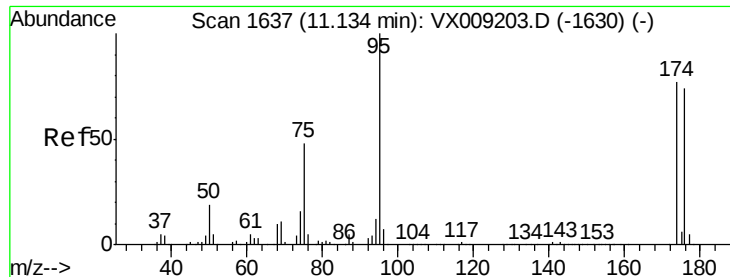
Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 336.8 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.360 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009707.D
 Acq: 18 May 2019 10:10

Tgt Ion: 98 Resp: 338168
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 44.784 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009707.D

Acq: 18 May 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

MW-15A_R2

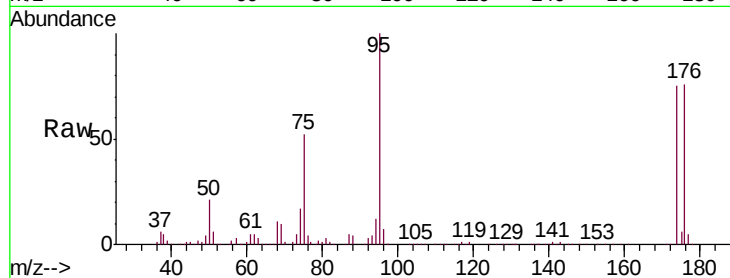
Tgt Ion: 95 Resp: 111487

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

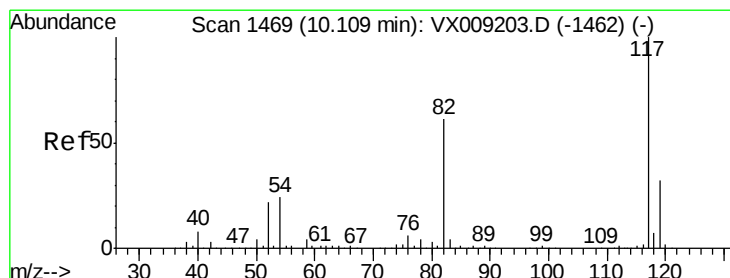
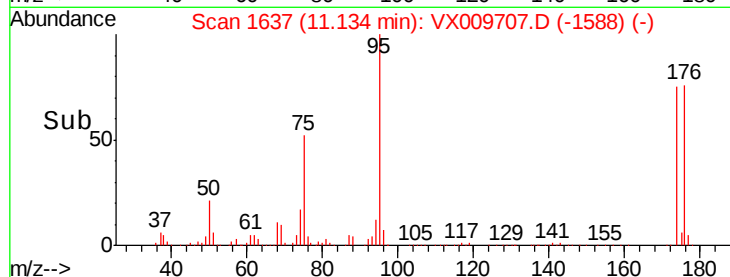
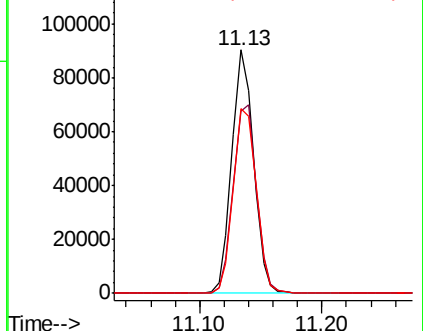
176 80.5 0.0 159.2



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: VX009707.D

Acq: 18 May 2019 10:10

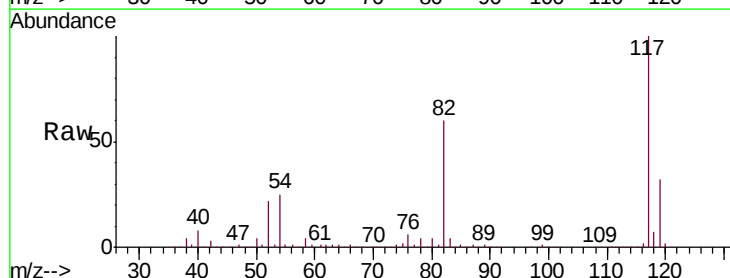
Tgt Ion: 117 Resp: 237636

Ion Ratio Lower Upper

117 100

82 60.1 48.8 73.2

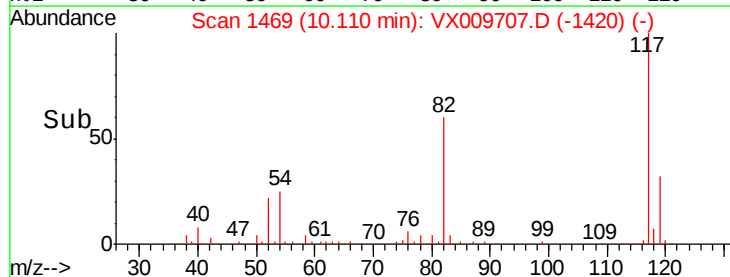
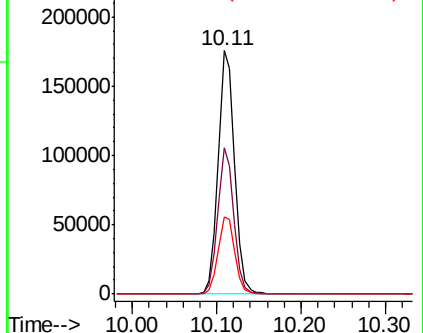
119 31.7 25.8 38.6

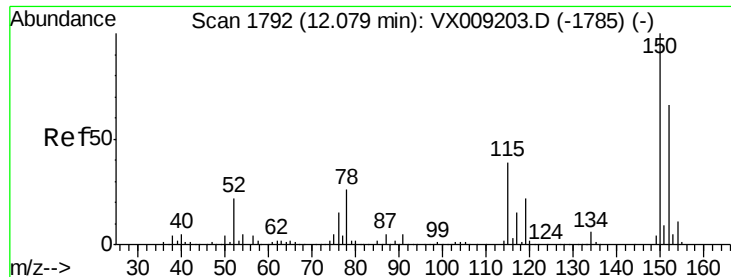


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX009707.D

Acq: 18 May 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

MW-15A_R2

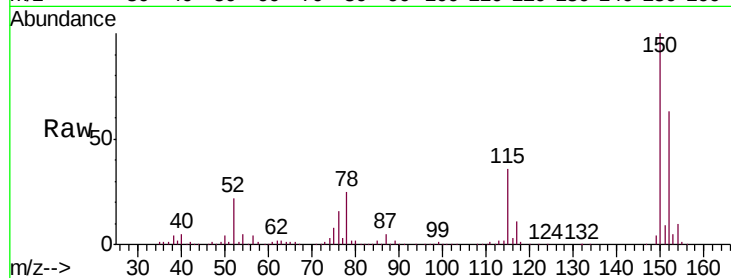
Tgt Ion:152 Resp: 102309

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

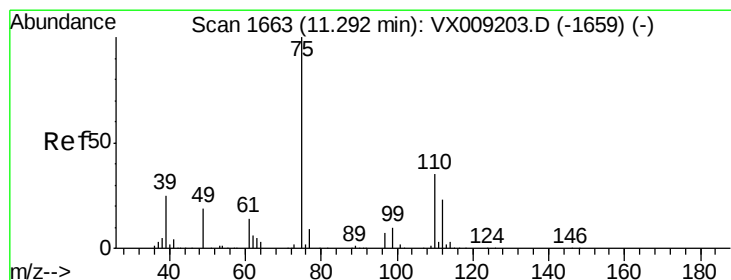
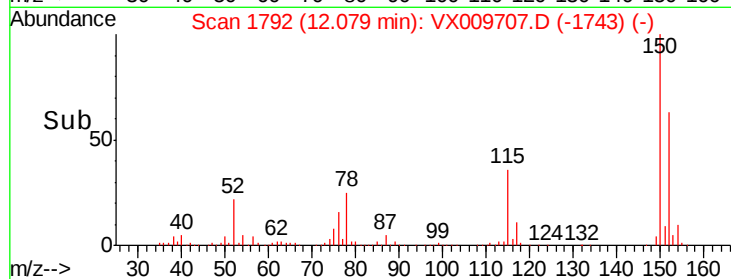
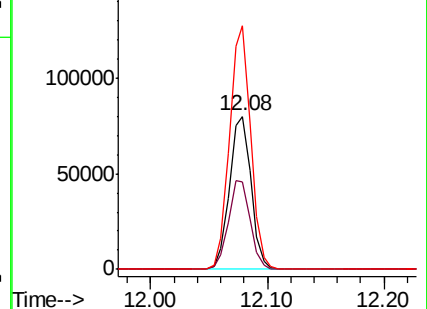
150 156.6 0.0 346.4



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: 24.489 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009707.D

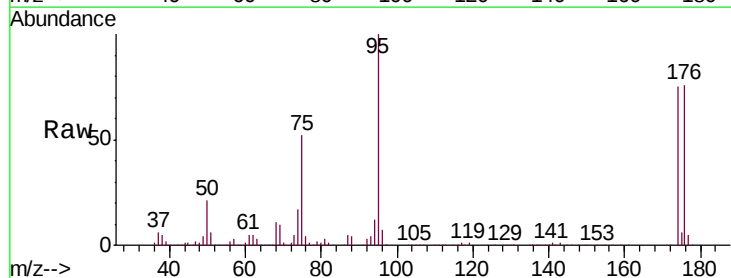
Acq: 18 May 2019 10:10

Tgt Ion: 75 Resp: 58118

Ion Ratio Lower Upper

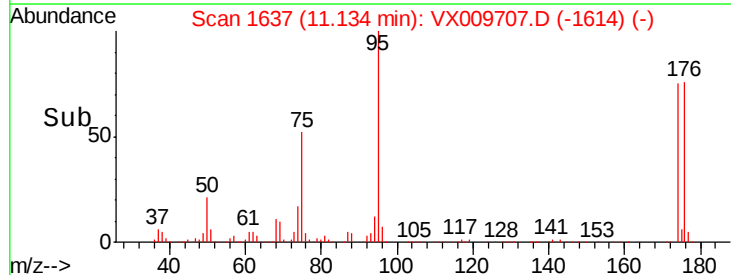
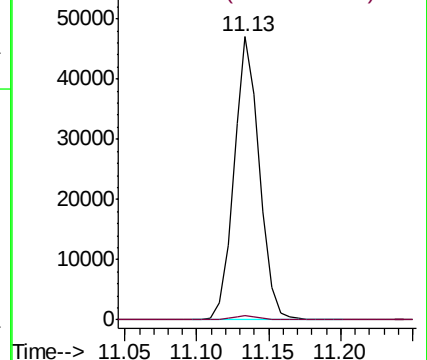
75 100

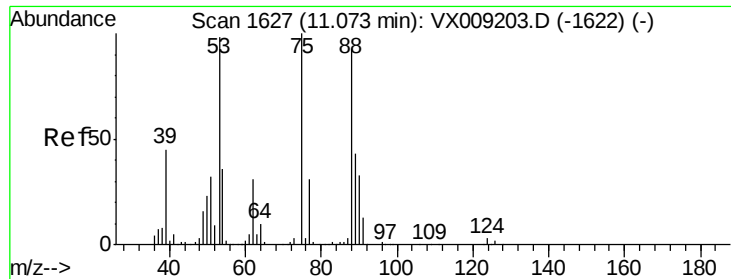
77 1.6 22.1 66.1#



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: 62.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009707.D

Acq: 18 May 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

MW-15A_R2

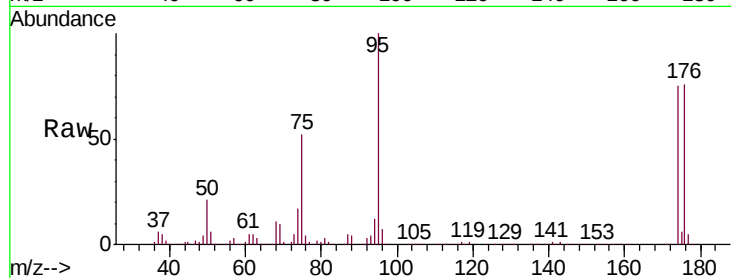
Tgt Ion: 75 Resp: 58118

Ion Ratio Lower Upper

75 100

53 0.3 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

