

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009777.D
 Acq On : 22 May 2019 03:51
 Operator : JC/SP
 Sample : K2953-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14A_R2

Quant Time: May 22 07:13:17 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	5.66	168	173338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108512	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	117426	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	5.50	113	86102	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	351651	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.13	95	119218	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

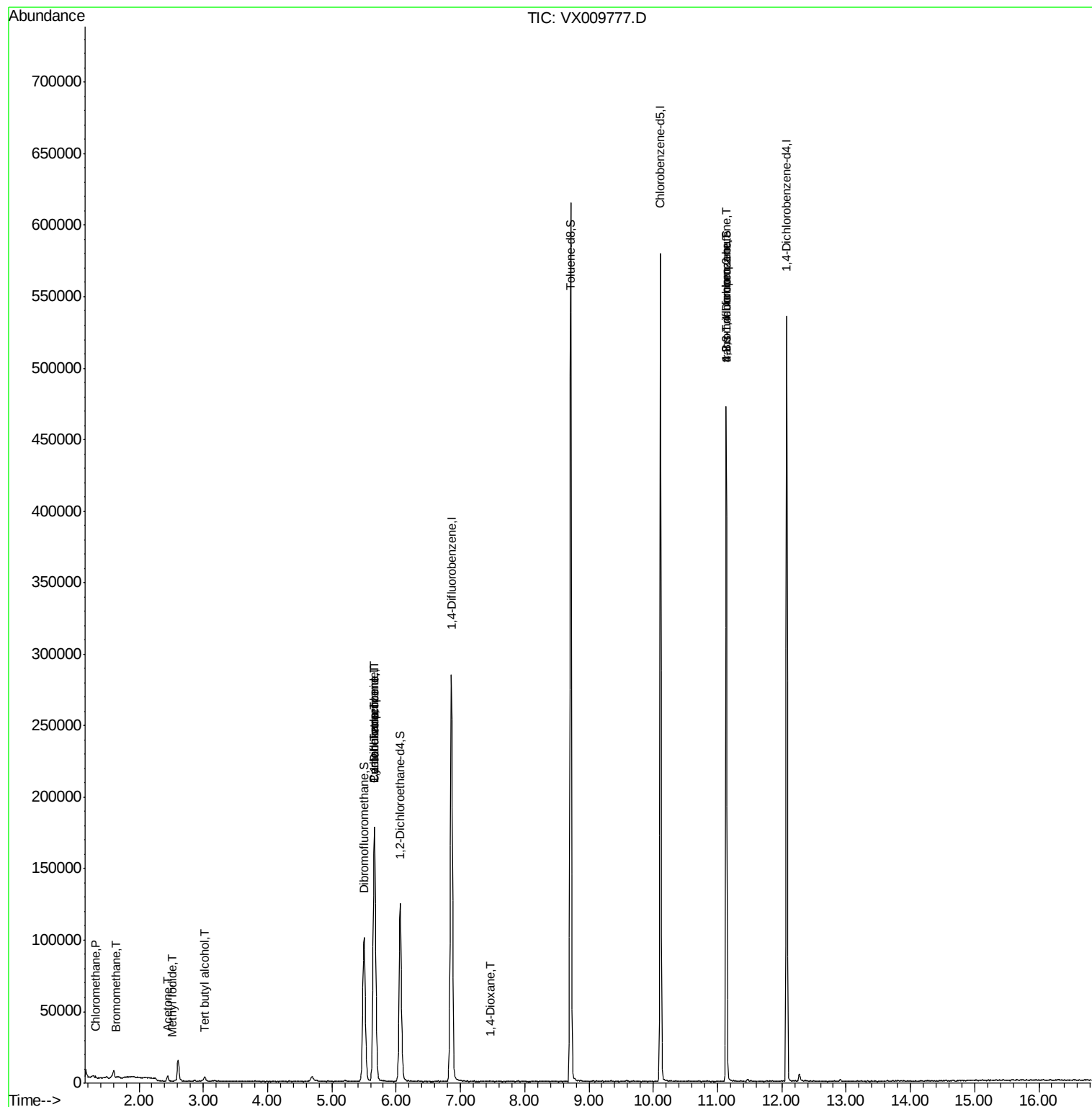
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	709	0.325	ug/l #	74
5) Bromomethane	1.65	94	465	0.364	ug/l #	40
10) Methyl Iodide	2.52	142	166	4.674	ug/l #	58
11) Tert butyl alcohol	3.02	59	2131	3.891	ug/l #	87
16) Acetone	2.45	43	4297	3.382	ug/l	100
28) Bromochloromethane	4.95	49	20	Below Cal	#	20
31) Cyclohexane	5.67	56	3991	1.141	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13925	5.356	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16231	6.871	ug/l #	15
49) 1,4-Dioxane	7.46	88	19	0.326	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61362	24.378	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61362	62.375	ug/l #	10

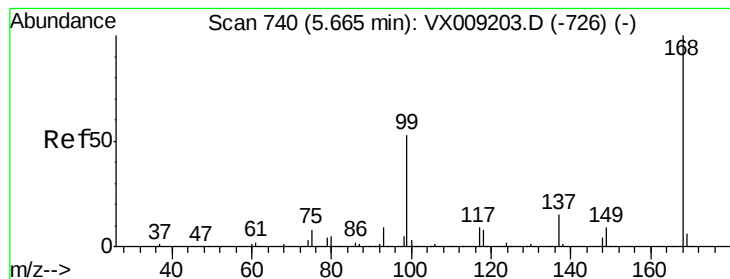
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 07:13:17 2019
Quant Method : Z:\V0ASRV\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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

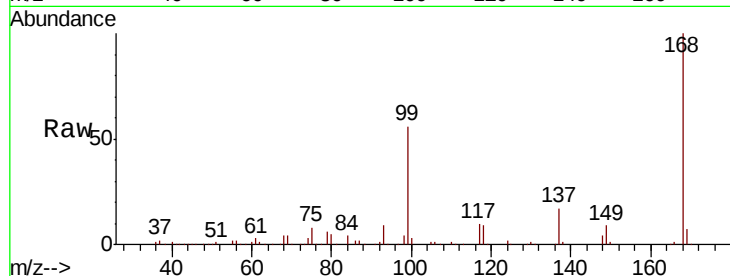
MW-14A_R2

Tot Ion:168 Resp: 173338

Ion Ratio Lower Upper

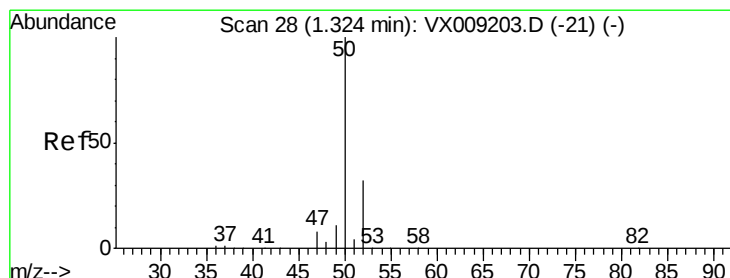
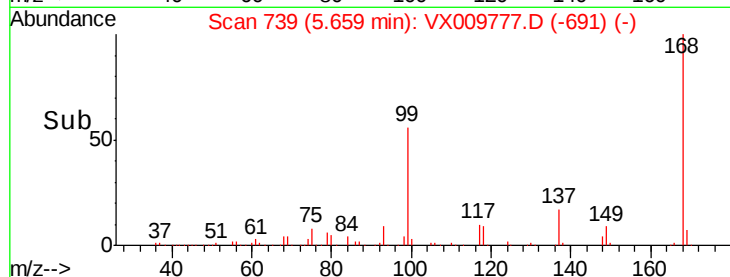
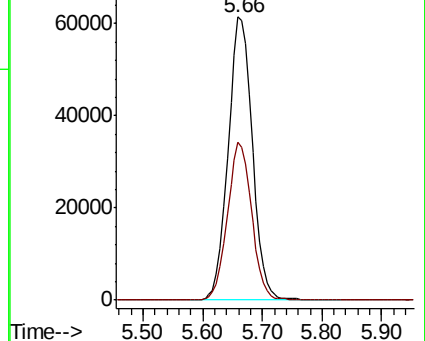
168 100

99 55.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.325 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009777.D

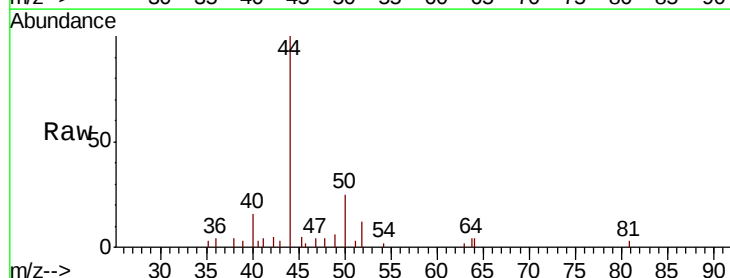
Acq: 22 May 2019 03:51

Tgt Ion: 50 Resp: 709

Ion Ratio Lower Upper

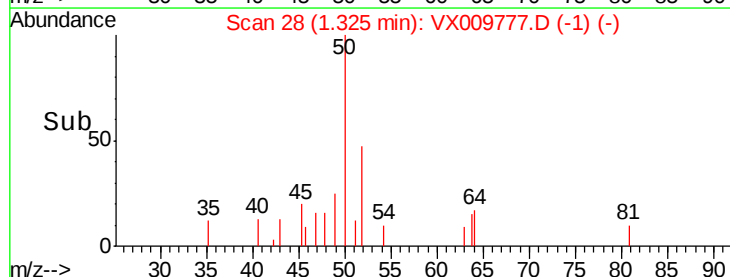
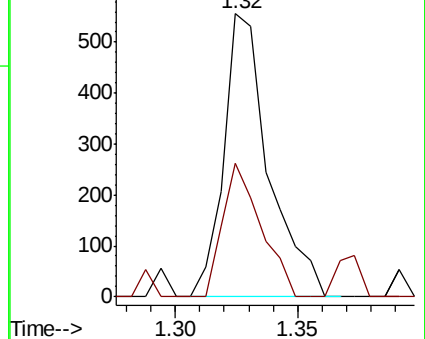
50 100

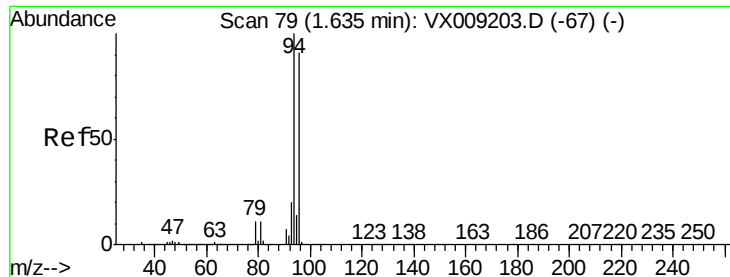
52 47.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.364 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

Instrument :

MSVOA_X

ClientSampled :

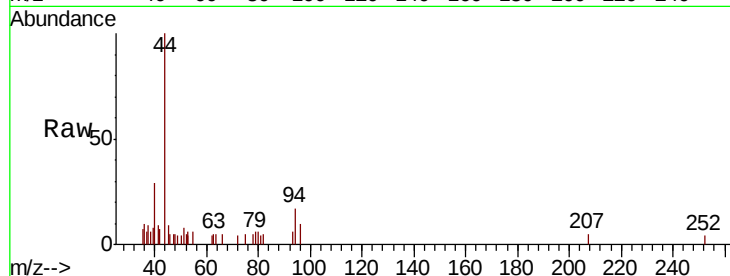
MW-14A_R2

Tot Ion: 94 Resp: 465

Ion Ratio Lower Upper

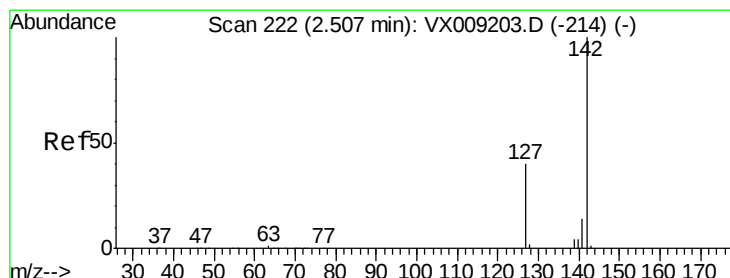
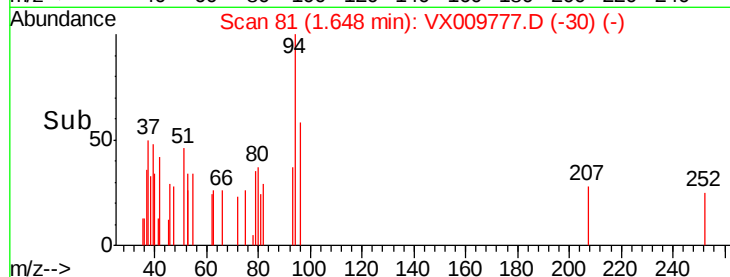
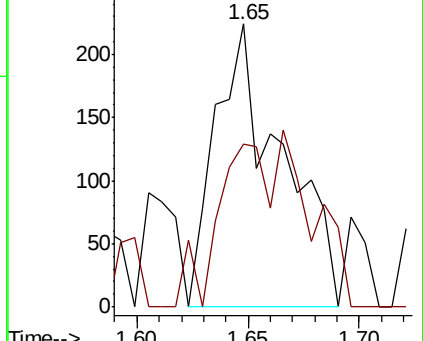
94 100

96 33.9 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: 4.674 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

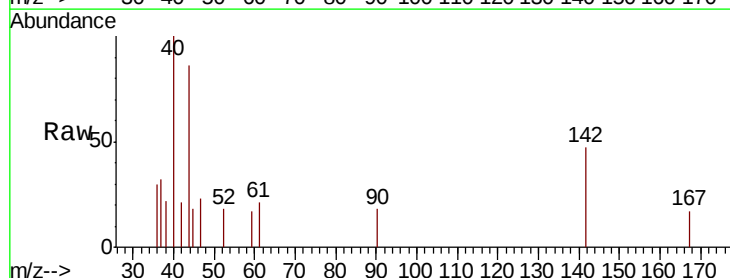
Tgt Ion: 142 Resp: 166

Ion Ratio Lower Upper

142 100

127 13.3 32.7 49.1#

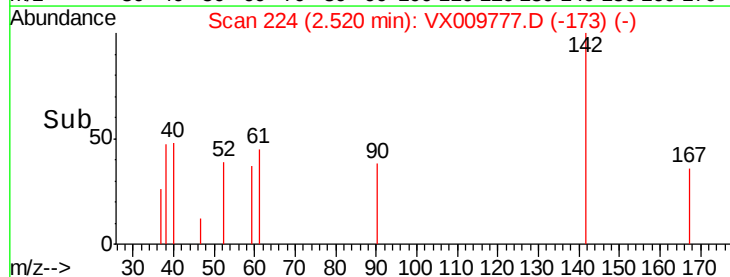
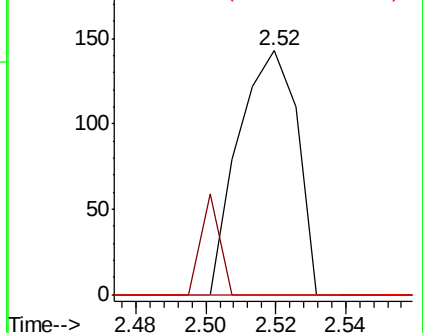
141 0.0 11.5 17.3#

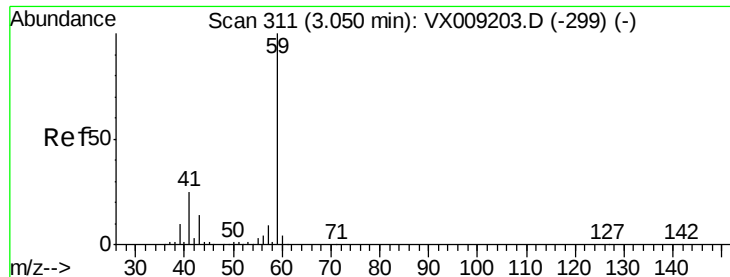


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

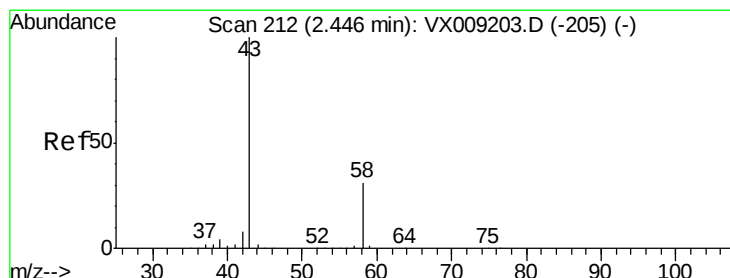
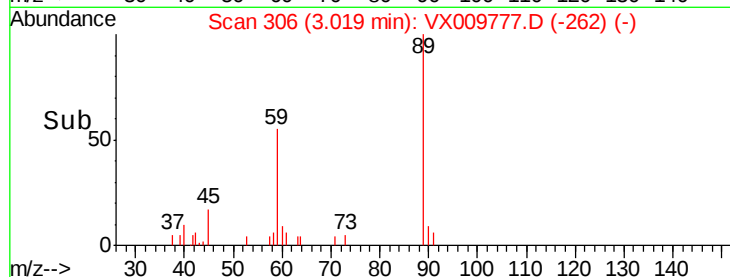
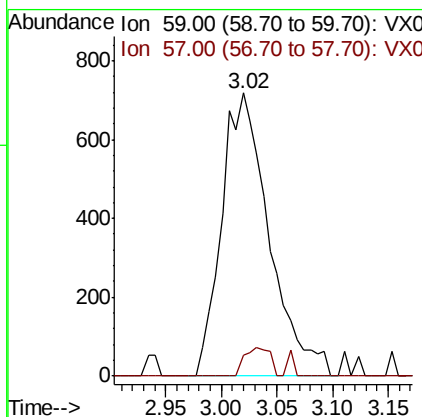
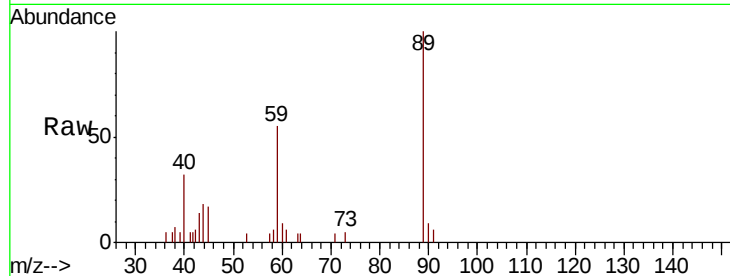




#11
Tert butyl alcohol
Concen: 3.891 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009777.D
Acq: 22 May 2019 03:51

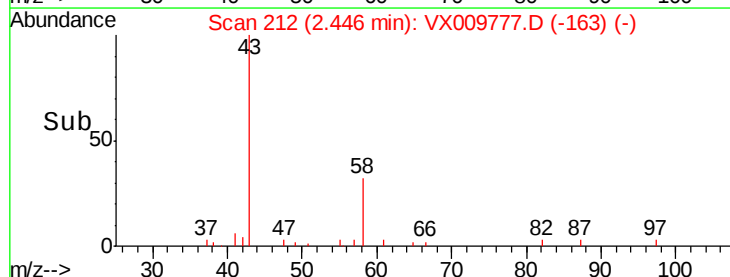
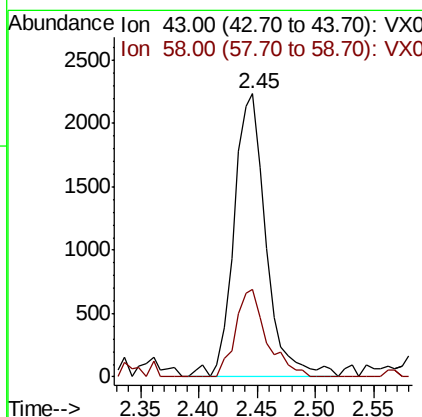
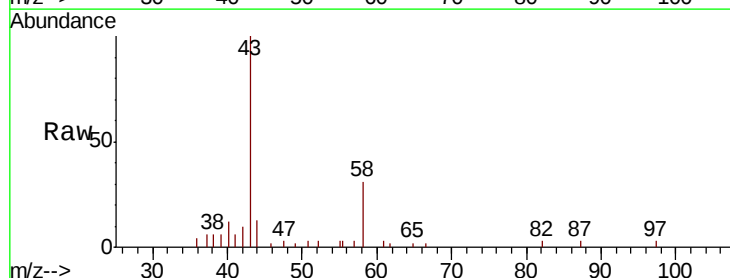
Instrument :
MSVOA_X
ClientSampled :
MW-14A_R2

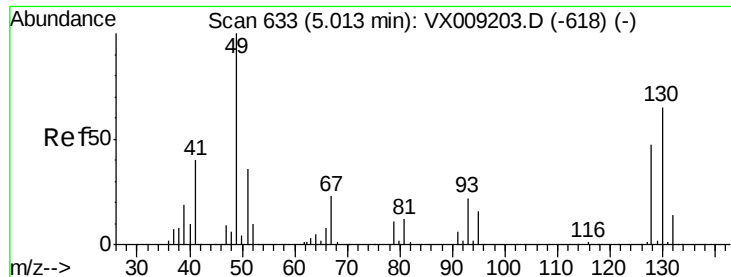
Tot Ion: 59 Resp: 2131
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2#



#16
Acetone
Concen: 3.382 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009777.D
Acq: 22 May 2019 03:51

Tgt Ion: 43 Resp: 4297
Ion Ratio Lower Upper
43 100
58 31.0 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 4.95 min Scan# 623

Delta R.T. -0.06 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

MW-14A_R2

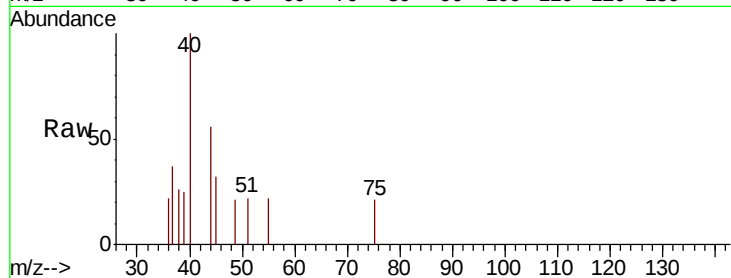
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

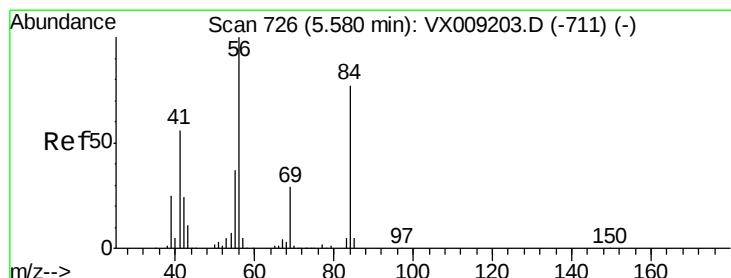
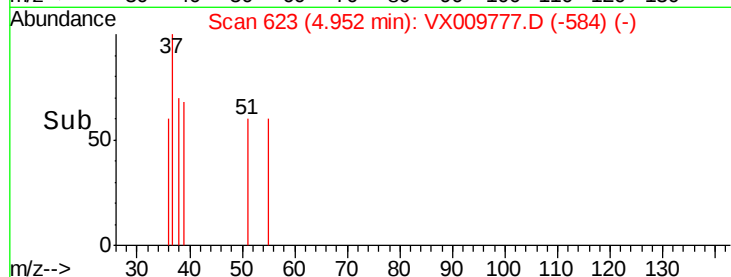
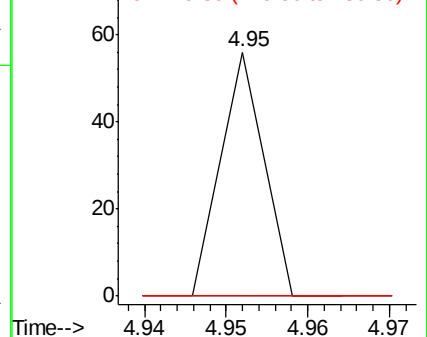
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

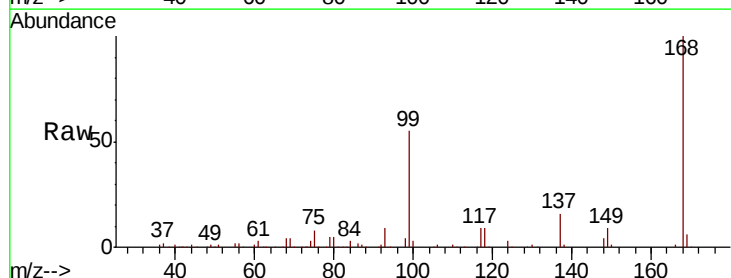
Tgt Ion: 56 Resp: 3991

Ion Ratio Lower Upper

56 100

69 179.1 23.4 35.0#

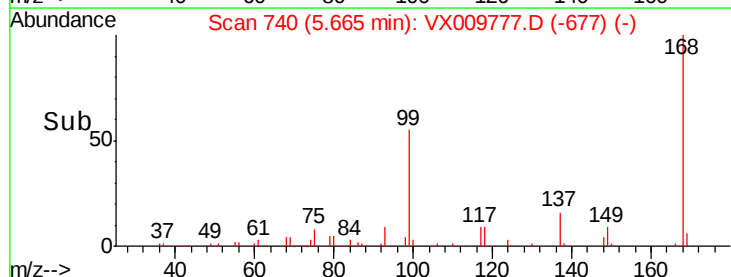
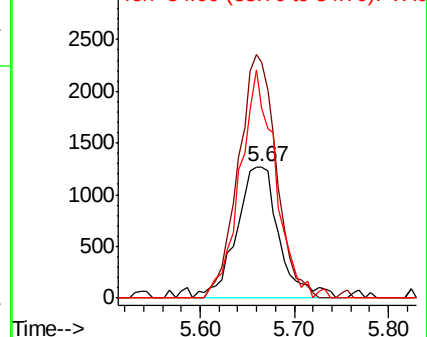
84 144.1 61.9 92.9#



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

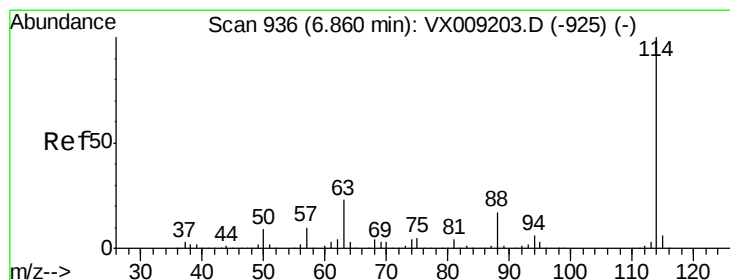
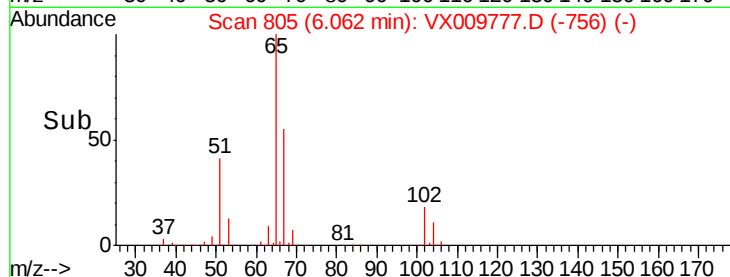
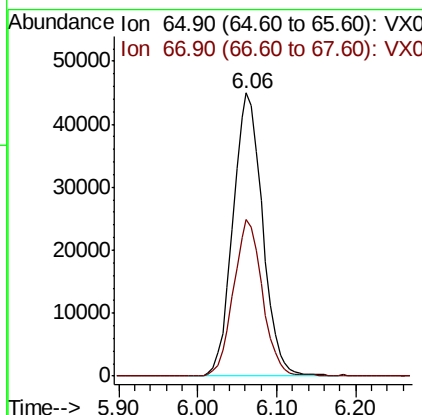
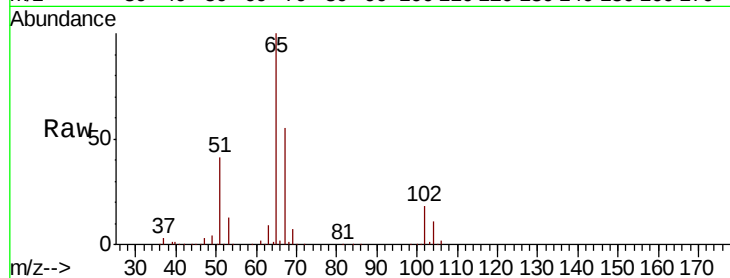




#33
 1,2-Dichloroethane-d4
 Concen: 49.625 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009777.D
 Acq: 22 May 2019 03:51

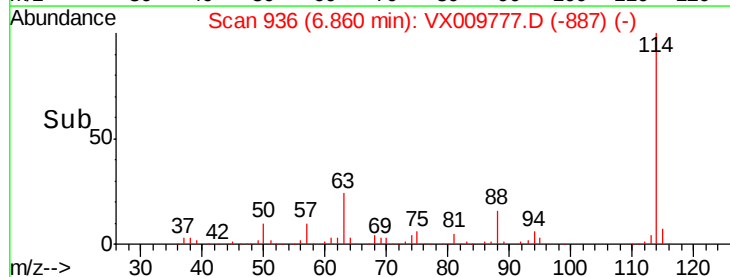
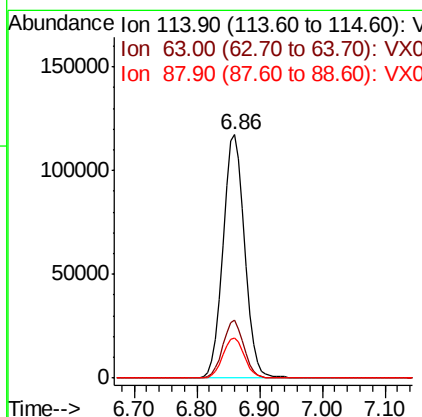
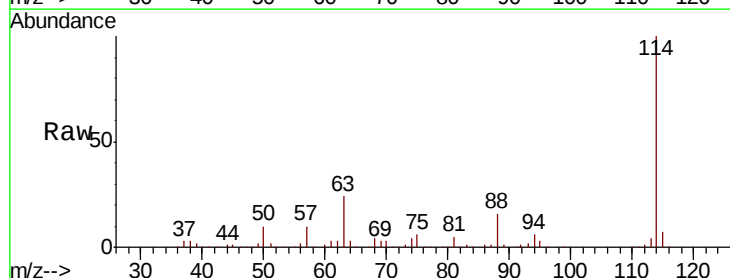
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14A_R2

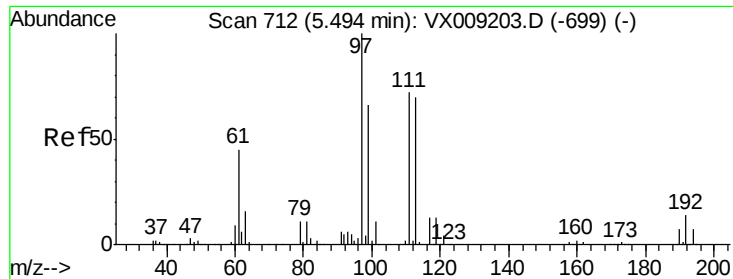
Tot Ion: 65 Resp: 117426
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009777.D
 Acq: 22 May 2019 03:51

Tgt Ion: 114 Resp: 279785
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.6
 88 16.4 0.0 33.2

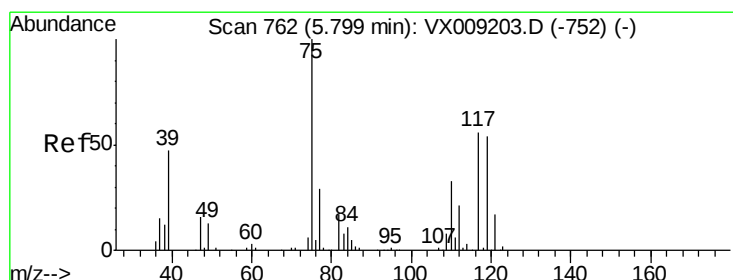
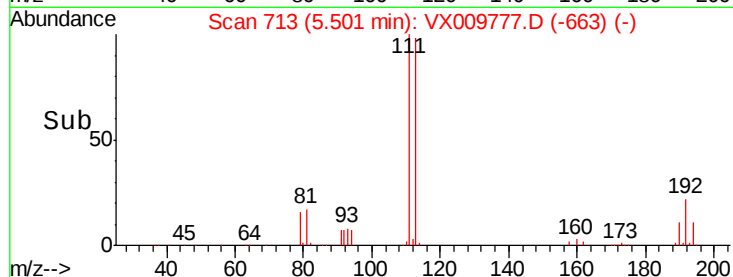
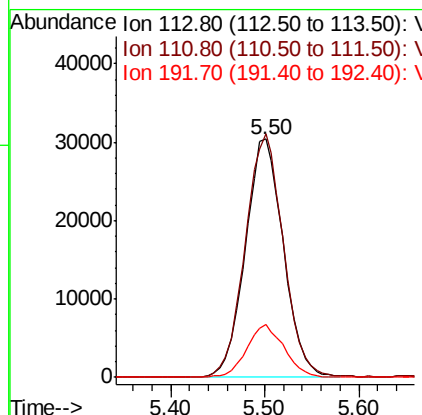
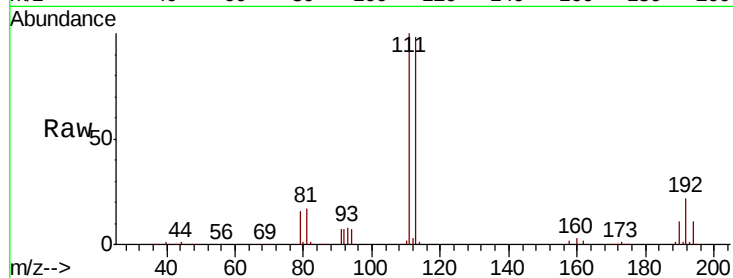




#35
 Dibromofluoromethane
 Concen: 48.954 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009777.D
 Acq: 22 May 2019 03:51

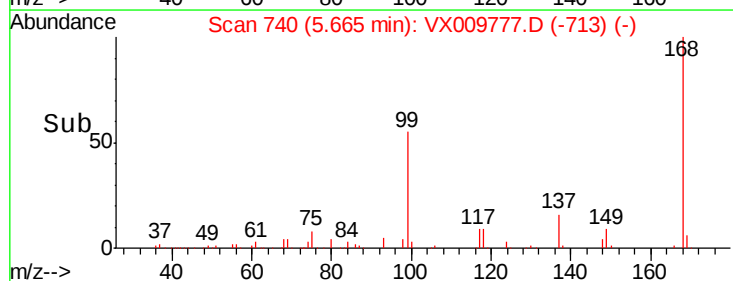
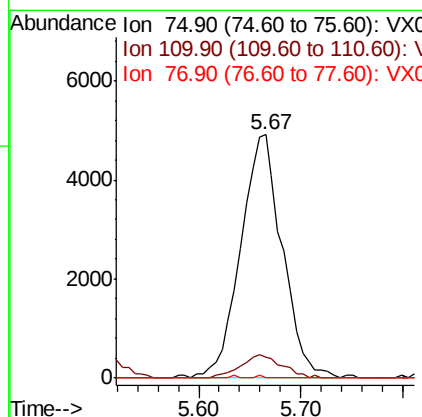
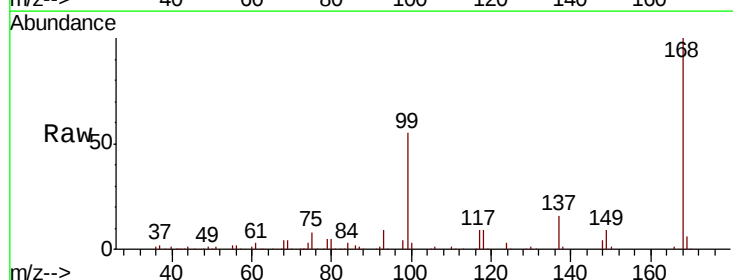
Instrument :
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 ClientSampleId :
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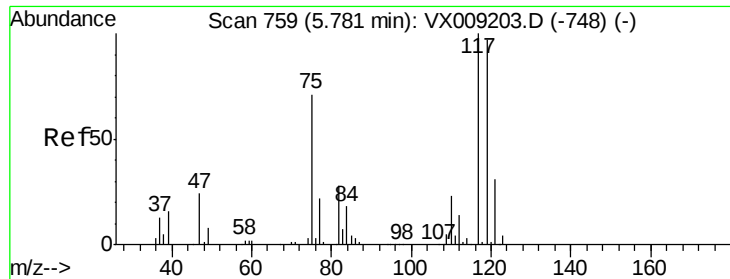
Tot Ion:113 Resp: 86102
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.356 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009777.D
 Acq: 22 May 2019 03:51

Tgt Ion: 75 Resp: 13925
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.9 50.6#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.871 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

Instrument :

MSVOA_X

ClientSampleId :

MW-14A_R2

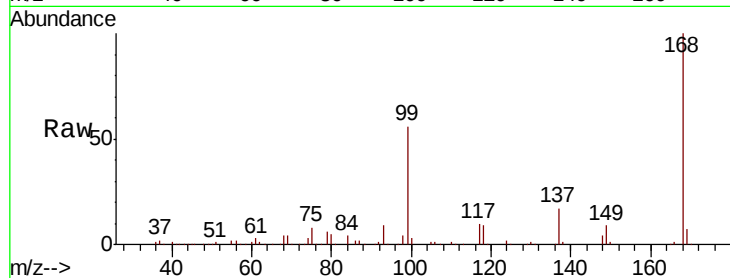
Tot Ion:117 Resp: 16231

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

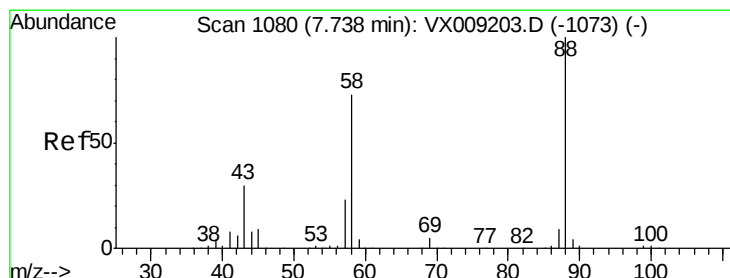
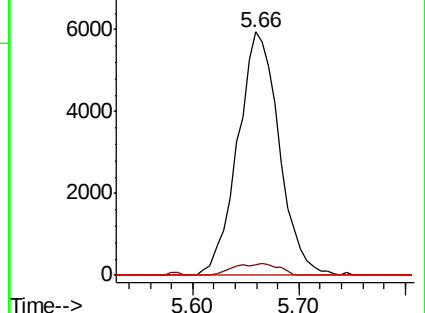
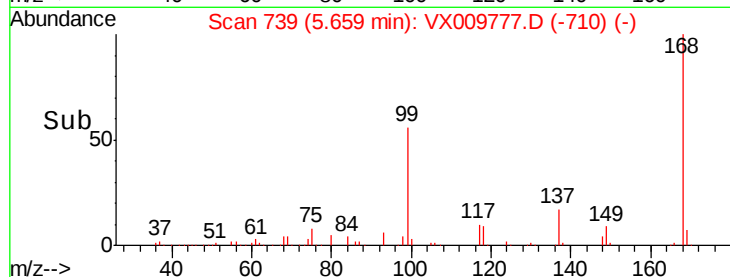
121 0.0 24.7 37.1#



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: 0.326 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.28 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

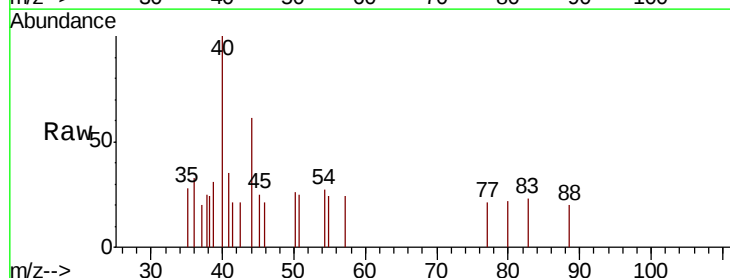
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 121.1 28.6 42.8#

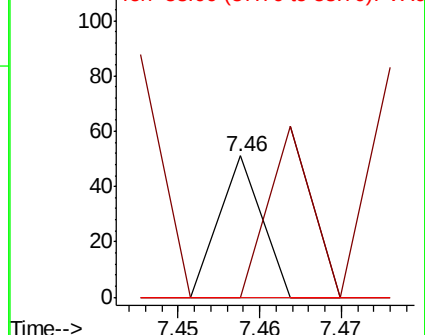
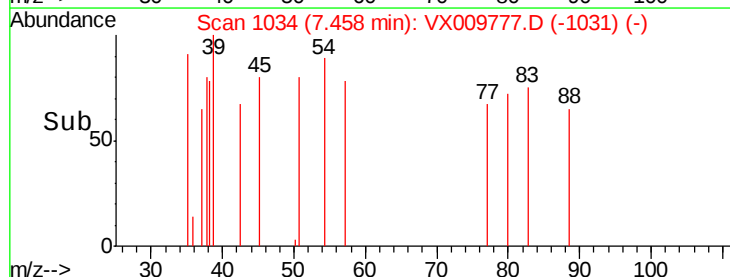
58 0.0 61.7 92.5#

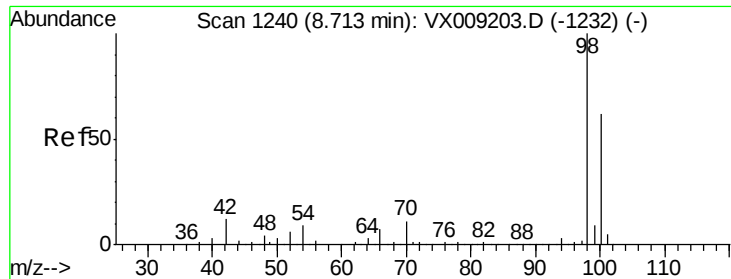


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.522 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

Instrument :

MSVOA_X

ClientSampled :

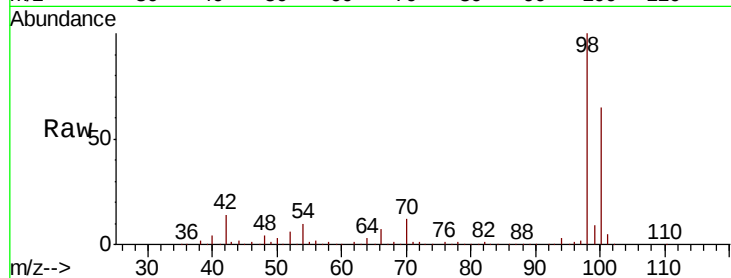
MW-14A_R2

Tot Ion: 98 Resp: 351651

Ion Ratio Lower Upper

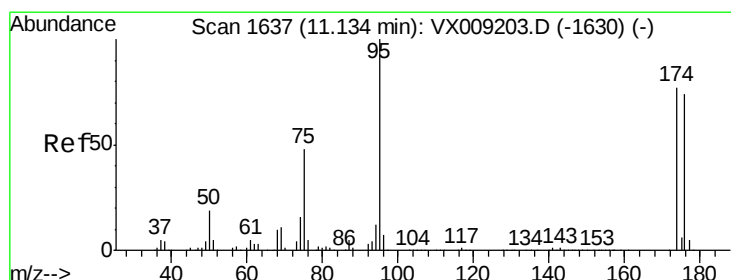
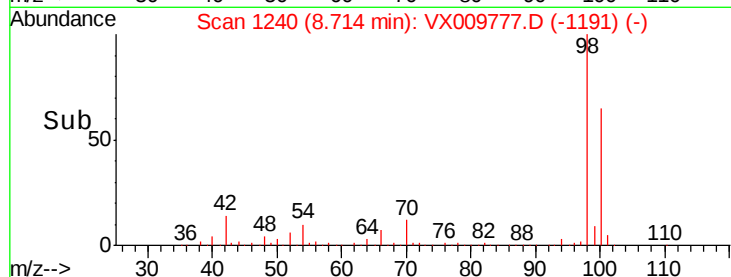
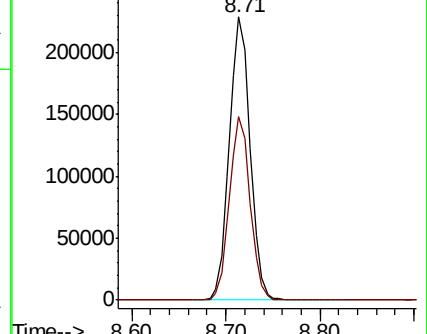
98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.205 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

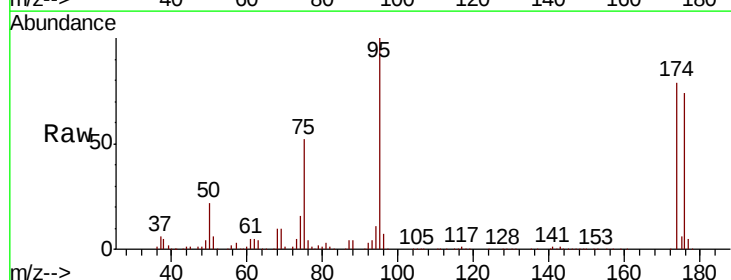
Tgt Ion: 95 Resp: 119218

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

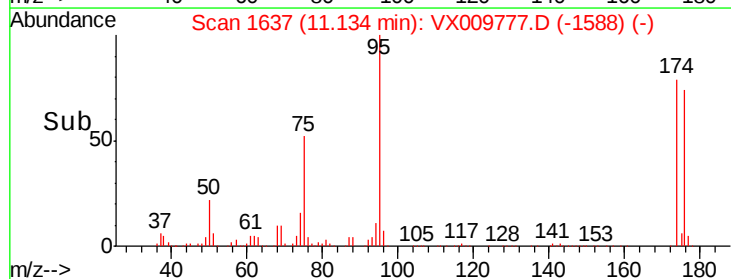
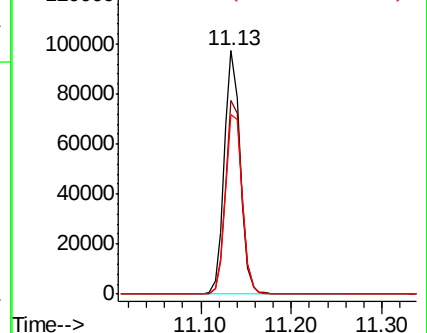
176 78.1 0.0 159.2

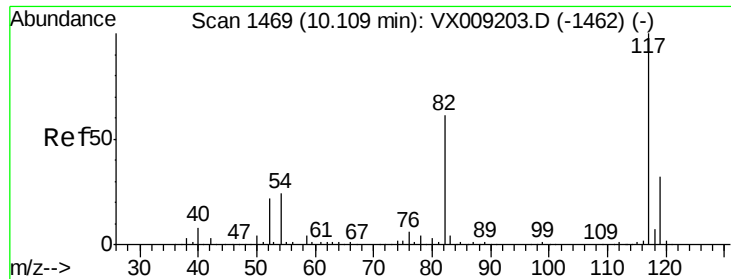


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

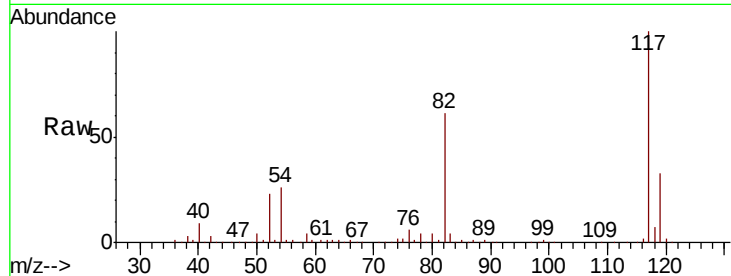




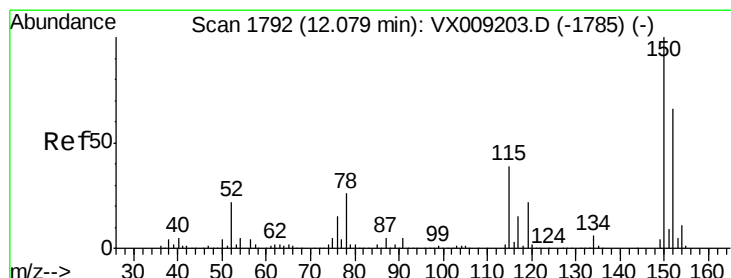
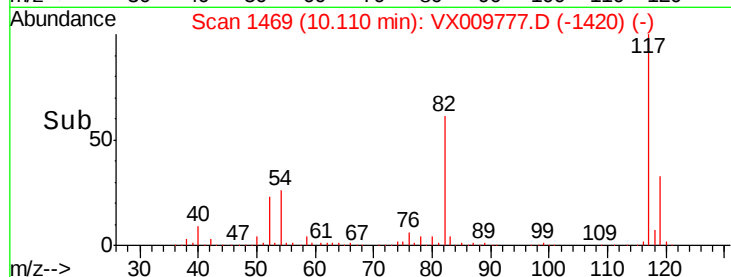
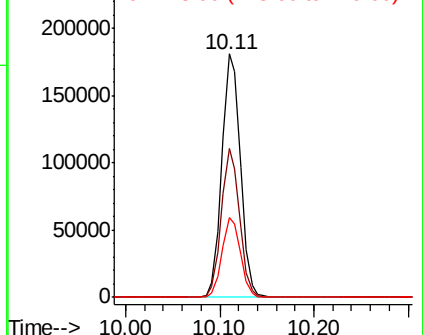
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009777.D
Acq: 22 May 2019 03:51

Instrument :
MSVOA_X
ClientSampleId :
MW-14A_R2

Tot Ion:117 Resp: 247782
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 32.7 25.8 38.6

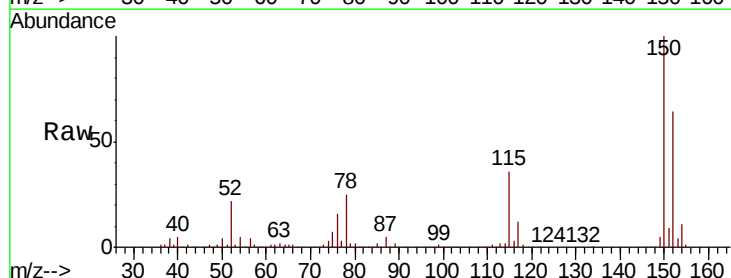


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

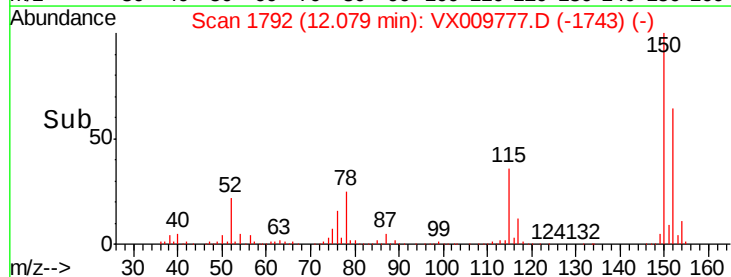
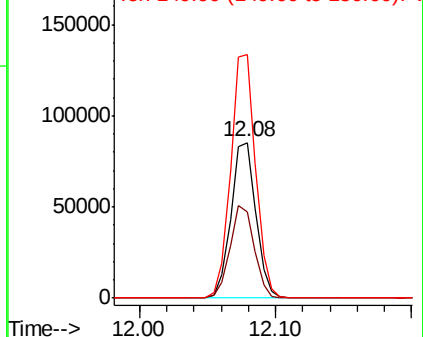


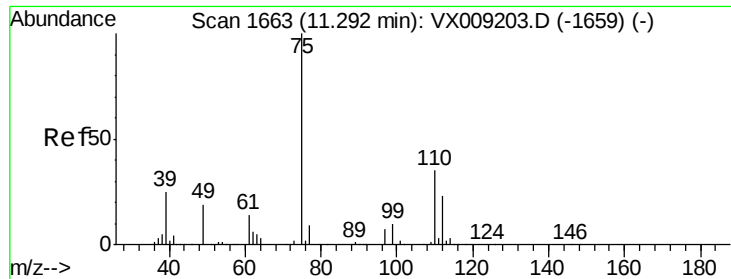
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009777.D
Acq: 22 May 2019 03:51

Tgt Ion:152 Resp: 108512
Ion Ratio Lower Upper
152 100
115 58.1 41.2 123.6
150 156.0 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: 24.378 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

Instrument :

MSVOA_X

ClientSampled :

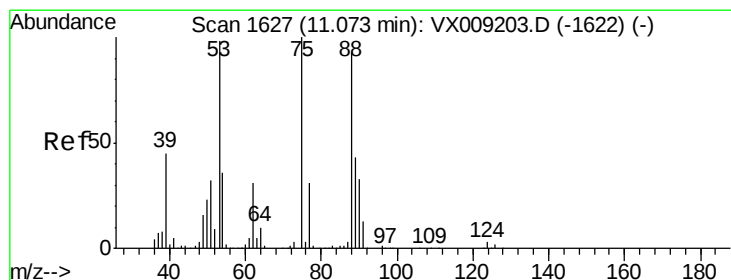
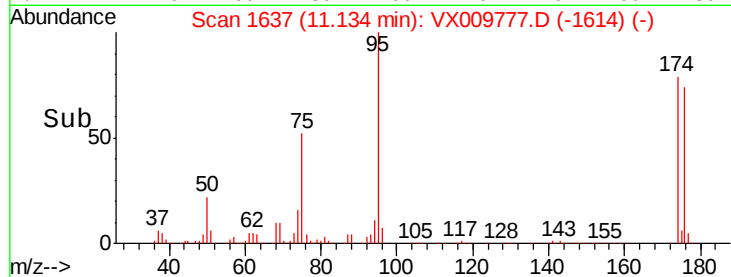
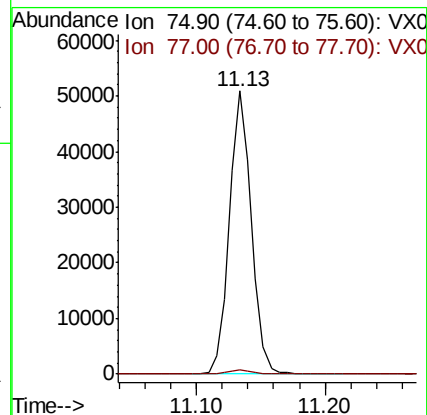
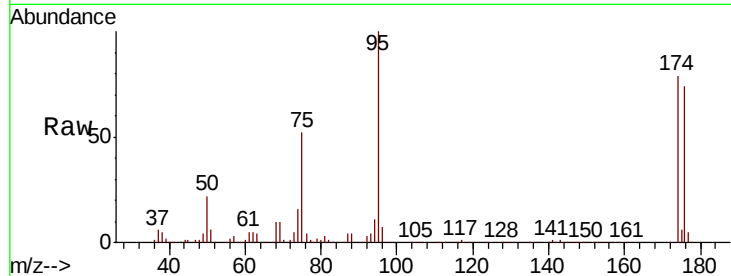
MW-14A_R2

Tot Ion: 75 Resp: 61362

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.375 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009777.D

Acq: 22 May 2019 03:51

Tgt Ion: 75 Resp: 61362

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

