

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012763.D
 Acq On : 02 Oct 2019 16:02
 Operator : JC/SP
 Sample : K5154-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106I

Quant Time: Oct 03 01:33:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88891	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	121863	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	5.49	113	90481	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	8.71	98	353175	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.14	95	111005	41.14	ug/l	0.00
Spiked Amount			Recovery	=	82.28%	

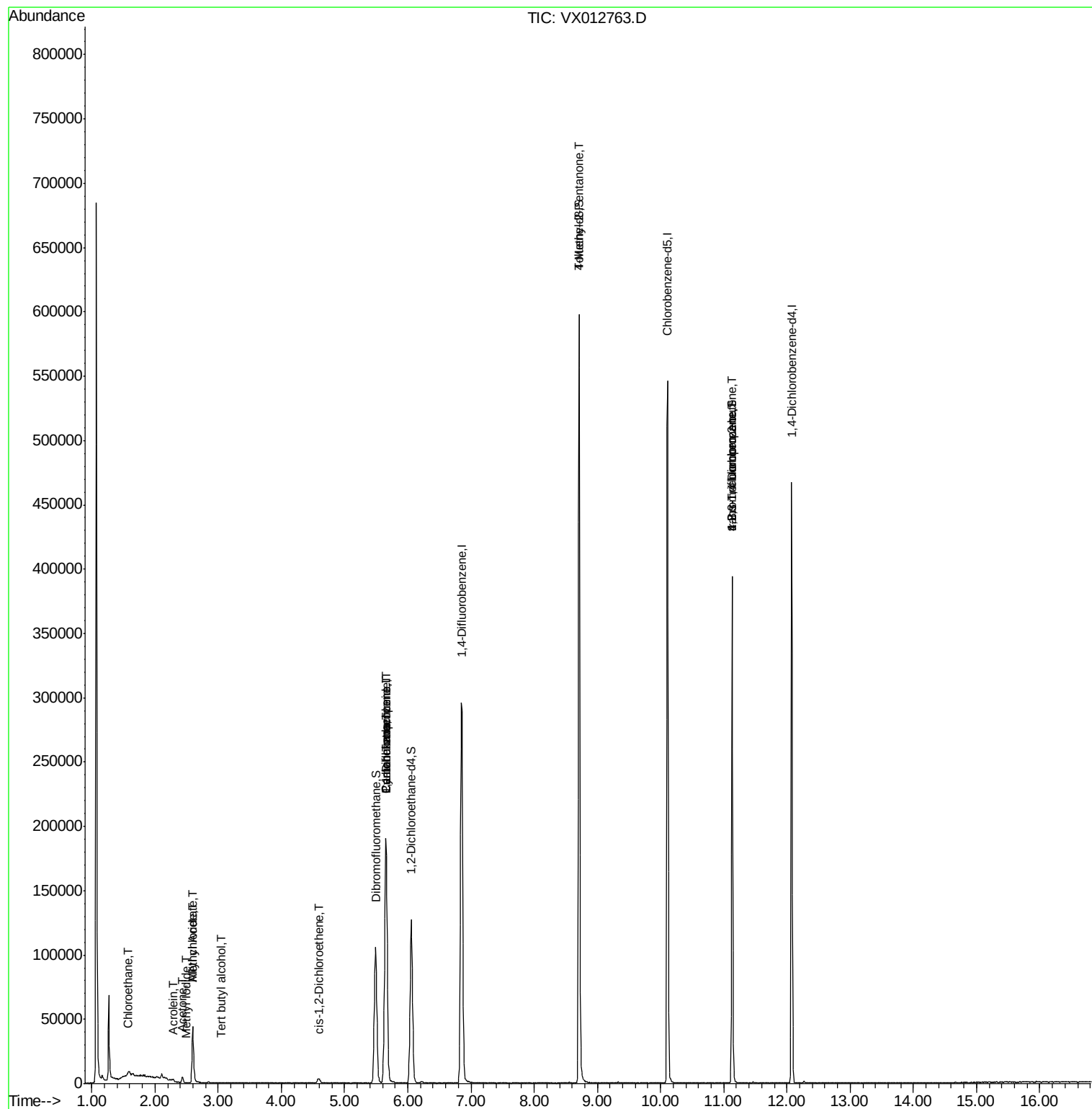
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.56	64	1256	0.839	ug/l #	45
10) Methyl Iodide	2.50	142	252	5.067	ug/l #	35
11) Tert butyl alcohol	3.04	59	246	0.391	ug/l #	72
13) Acrolein	2.30	56	47	10.362	ug/l #	15
14) Allyl chloride	2.59	41	4471	1.212	ug/l #	63
16) Acetone	2.44	43	4836	3.626	ug/l	98
18) Methyl Acetate	2.59	43	12651	4.029	ug/l #	54
27) cis-1,2-Dichloroethene	4.59	96	2483	1.039	ug/l	88
31) Cyclohexane	5.65	56	3985	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14720	5.104	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18588	6.345	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1990	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	56749	24.134	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	56749	69.163	ug/l #	8

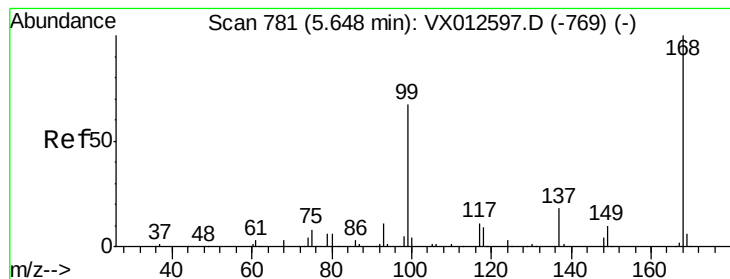
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Instrument :

MSVOA_X

ClientSampleId :

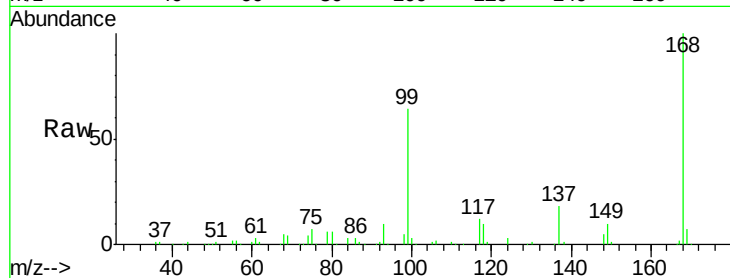
MW-106I

Tot Ion:168 Resp: 172900

Ion Ratio Lower Upper

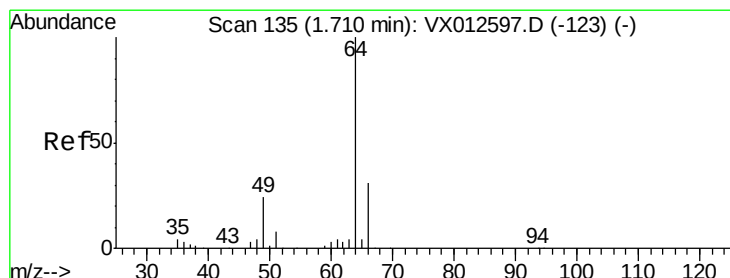
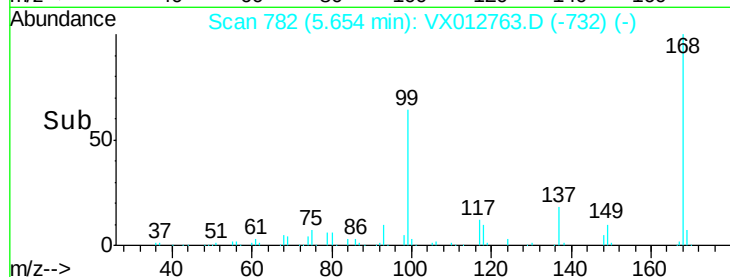
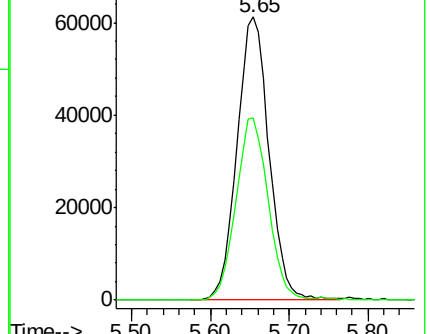
168 100

99 64.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.839 ug/l

RT: 1.56 min Scan# 111

Delta R.T. -0.15 min

Lab File: VX012763.D

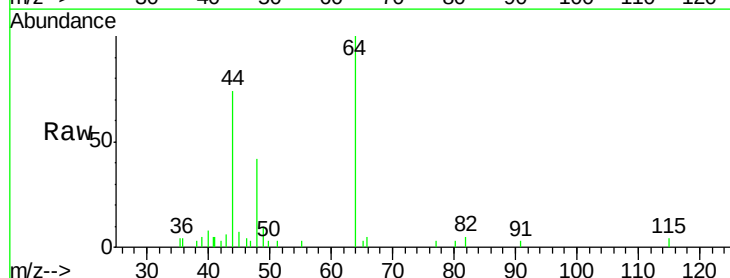
Acq: 02 Oct 2019 16:02

Tgt Ion: 64 Resp: 1256

Ion Ratio Lower Upper

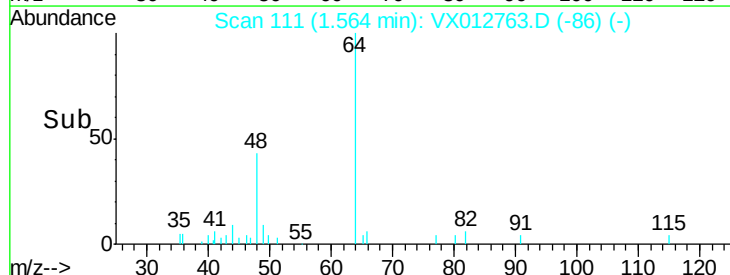
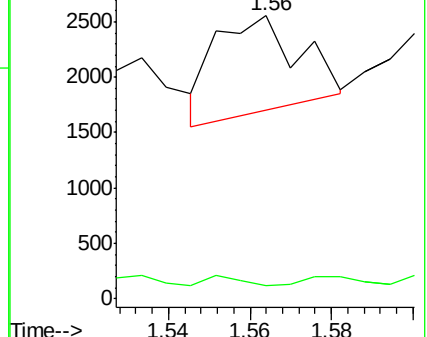
64 100

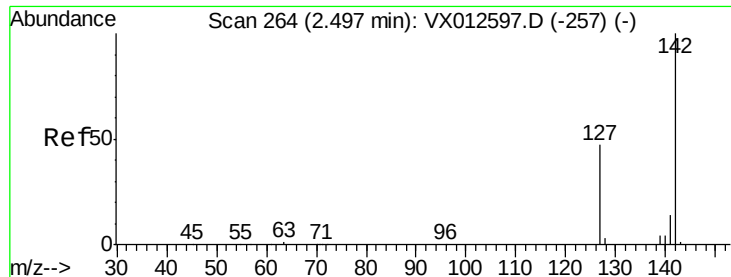
66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

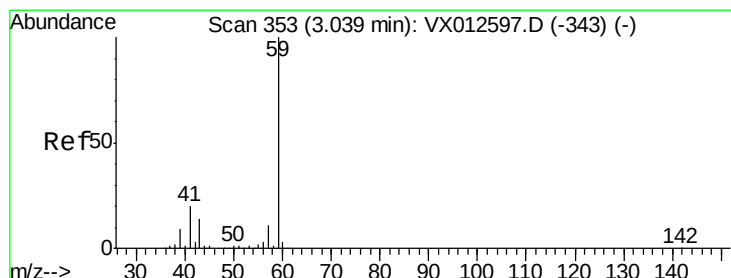
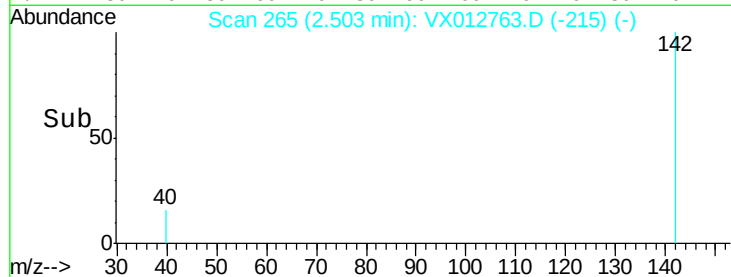
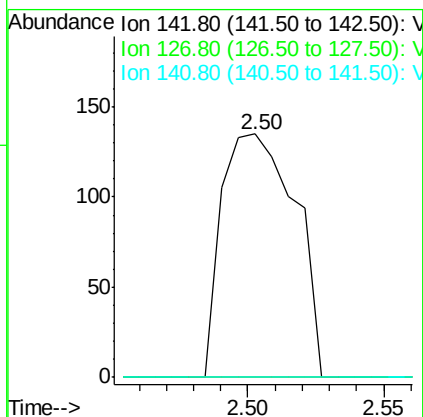
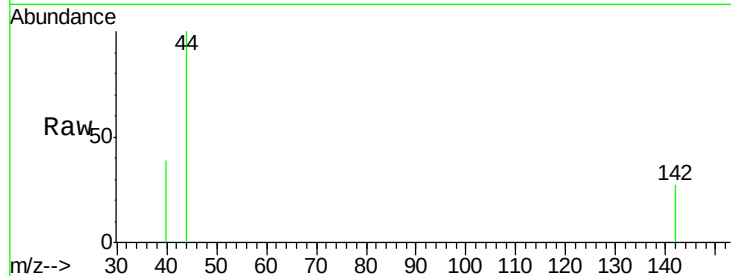




#10
Methvl Iodide
Concen: 5.067 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012763.D
Acq: 02 Oct 2019 16:02

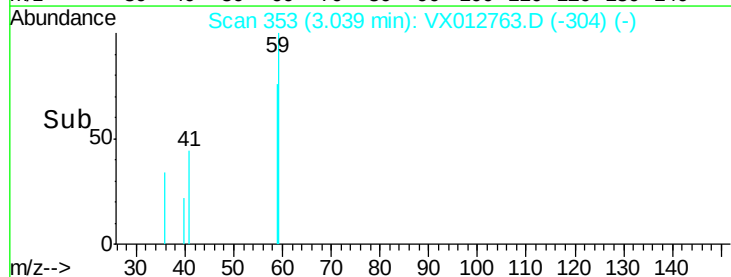
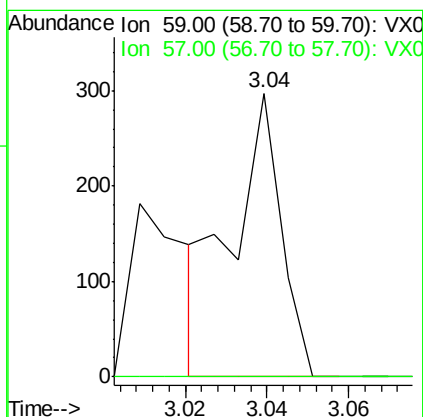
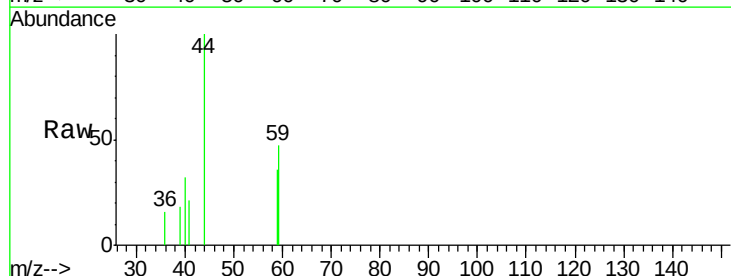
Instrument :
MSVOA_X
ClientSampleId :
MW-106I

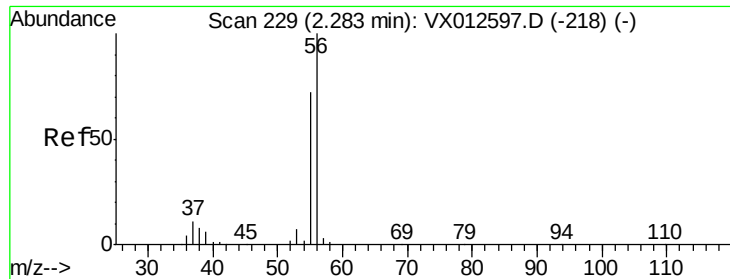
Tot Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 0.391 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012763.D
Acq: 02 Oct 2019 16:02

Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.362 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Instrument :

MSVOA_X

ClientSampleId :

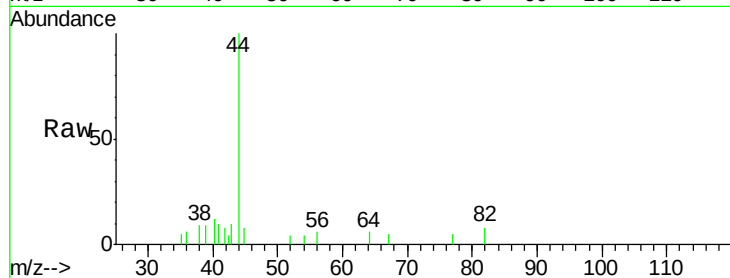
MW-106I

Tot Ion: 56 Resp: 47

Ion Ratio Lower Upper

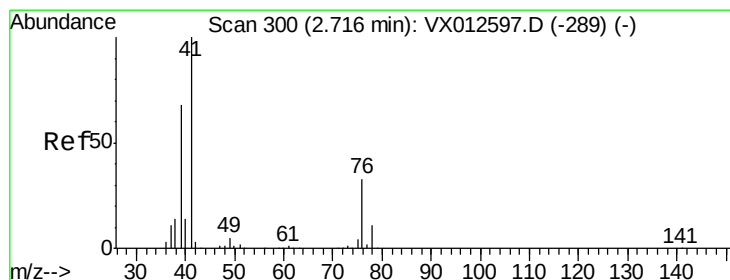
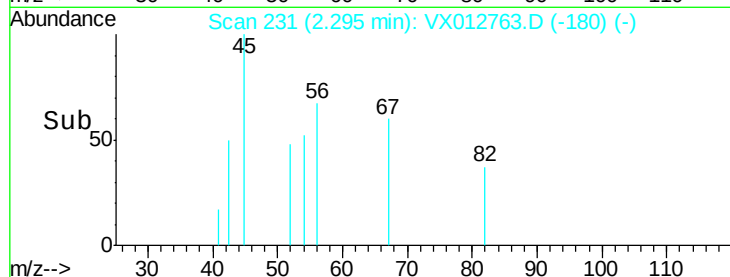
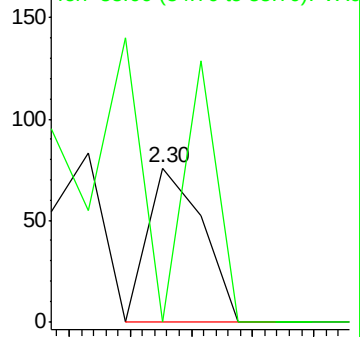
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.212 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

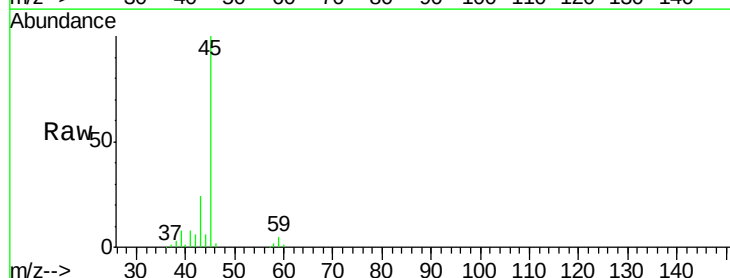
Tgt Ion: 41 Resp: 4471

Ion Ratio Lower Upper

41 100

39 87.6 51.3 76.9#

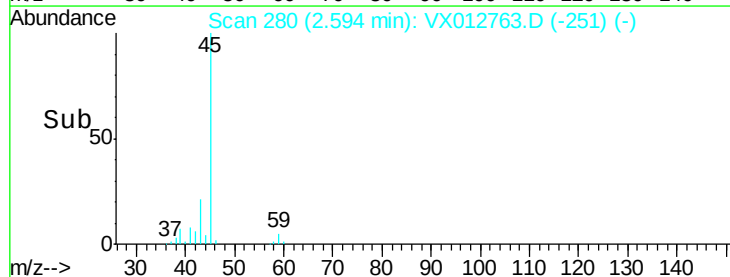
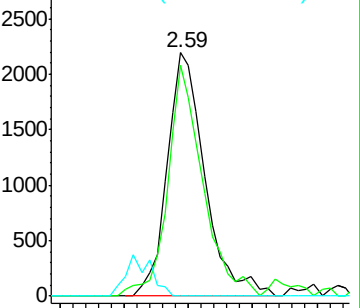
76 0.0 22.6 33.8#

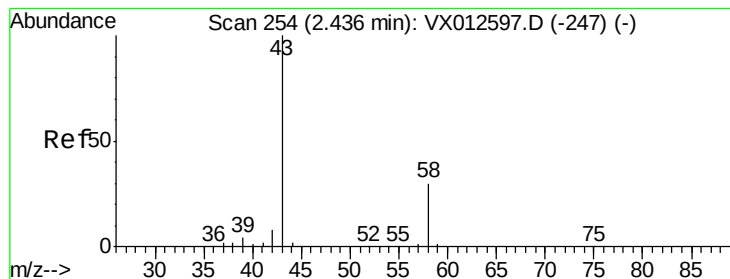


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 3.626 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Instrument :

MSVOA_X

ClientSampleId :

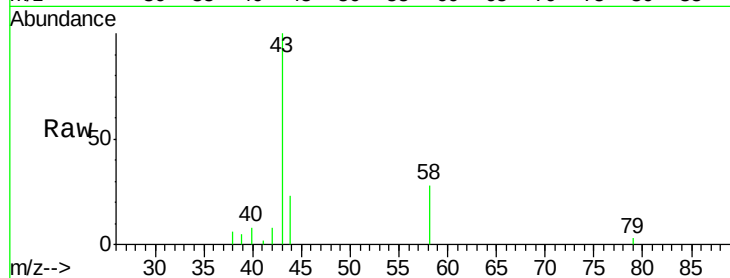
MW-106I

Tot Ion: 43 Resp: 4836

Ion Ratio Lower Upper

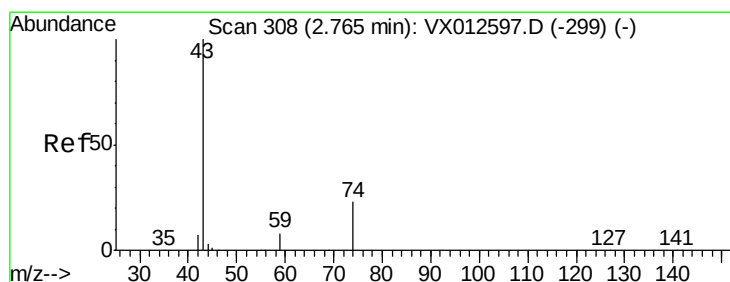
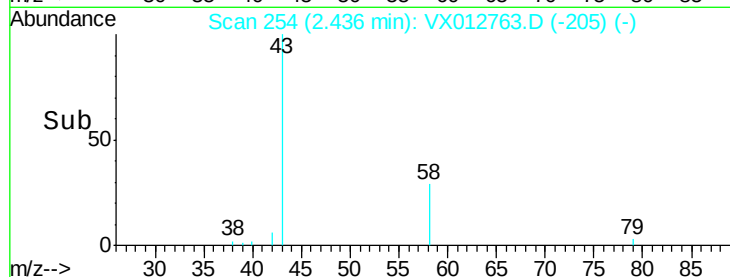
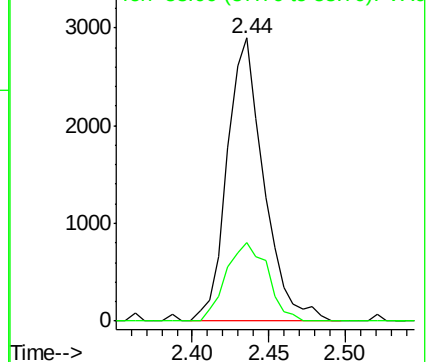
43 100

58 27.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 4.029 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012763.D

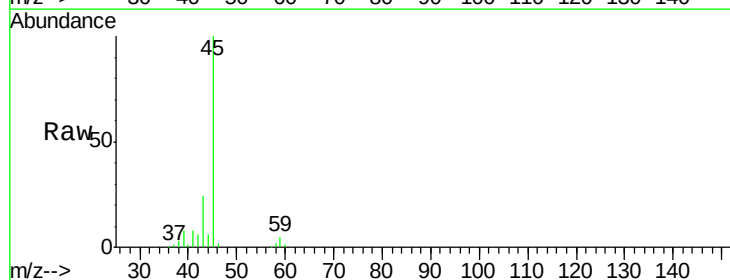
Acq: 02 Oct 2019 16:02

Tgt Ion: 43 Resp: 12651

Ion Ratio Lower Upper

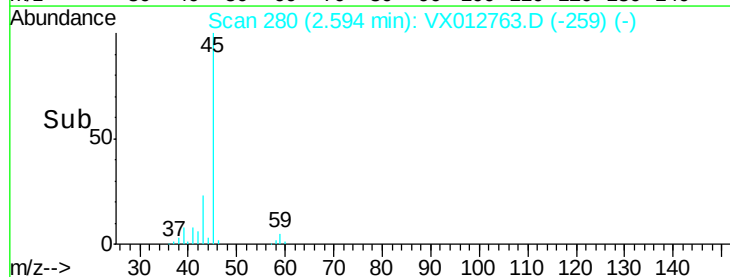
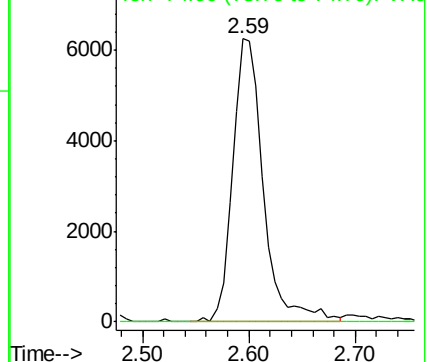
43 100

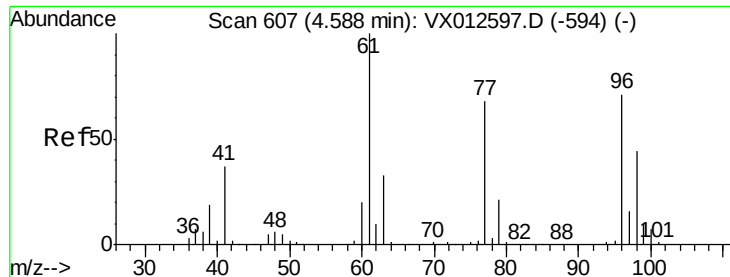
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



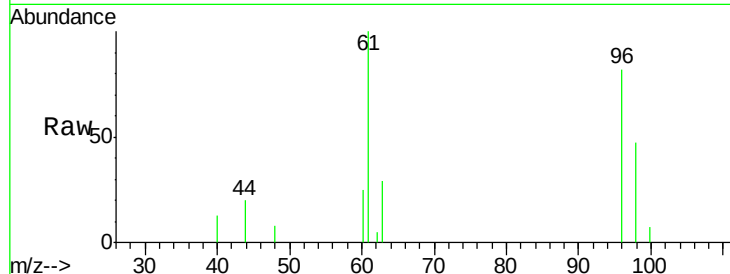


#27

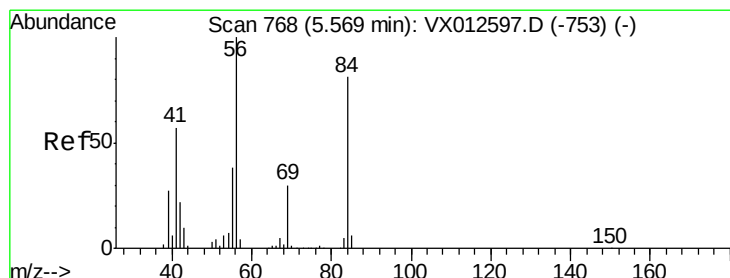
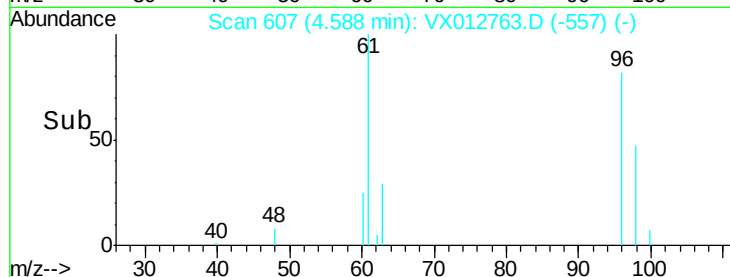
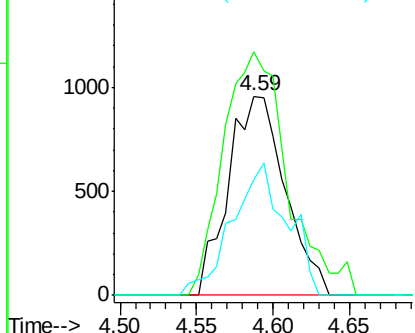
cis-1,2-Dichloroethene
 Concen: 1.039 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012763.D
 Acq: 02 Oct 2019 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106I

Tot Ion: 96 Resp: 2483
 Ion Ratio Lower Upper
 96 100
 61 138.3 0.0 319.4
 98 63.9 0.0 130.6



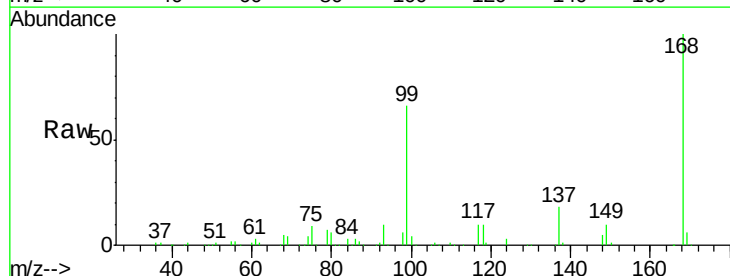
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



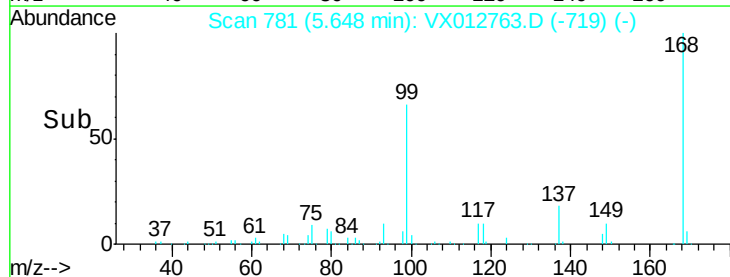
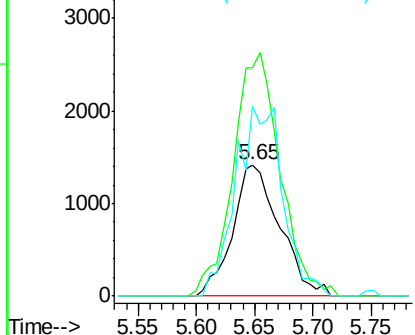
#31

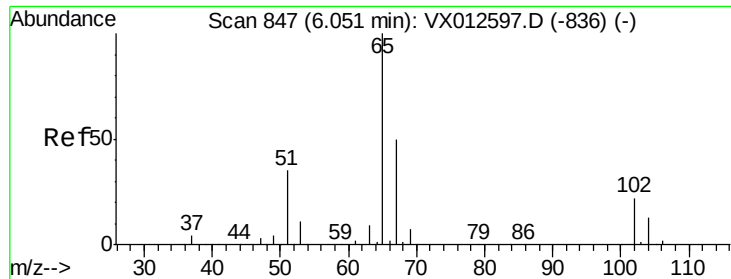
Cyclohexane
 Concen: 1.137 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.08 min
 Lab File: VX012763.D
 Acq: 02 Oct 2019 16:02

Tgt Ion: 56 Resp: 3985
 Ion Ratio Lower Upper
 56 100
 69 173.9 25.0 37.6#
 84 144.3 66.4 99.6#



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

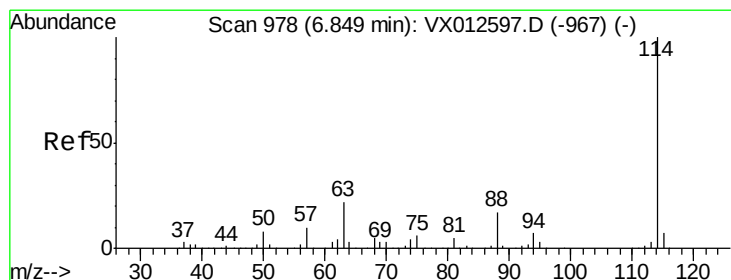
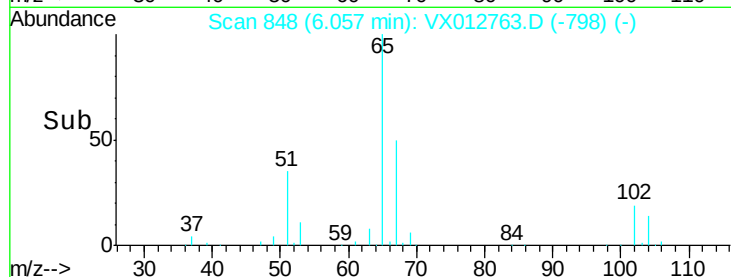
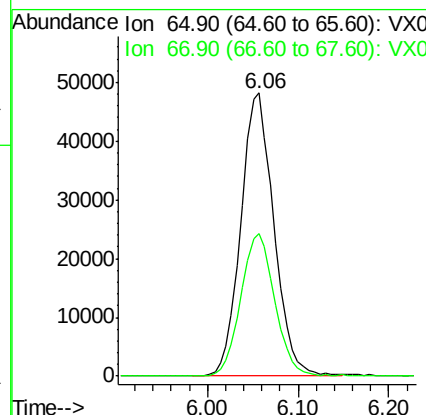
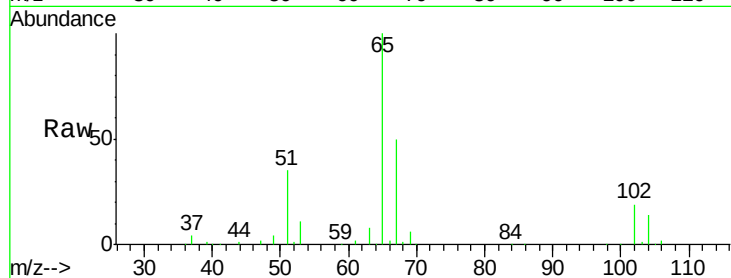




#33
 1,2-Dichloroethane-d4
 Concen: 48.401 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012763.D
 Acq: 02 Oct 2019 16:02

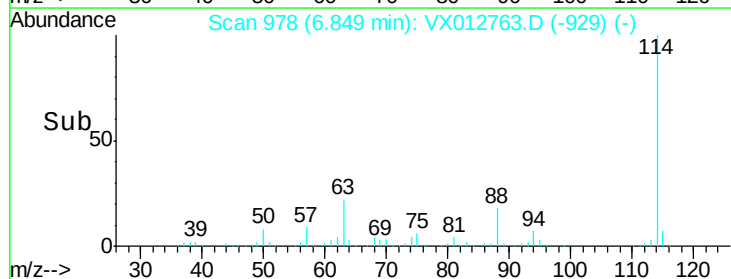
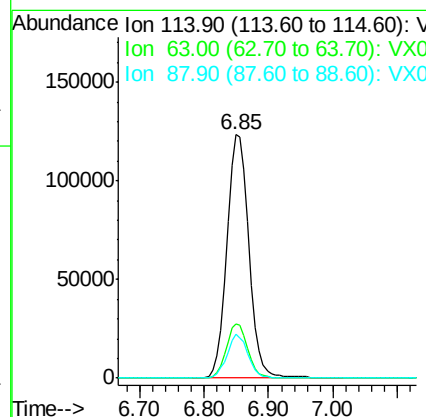
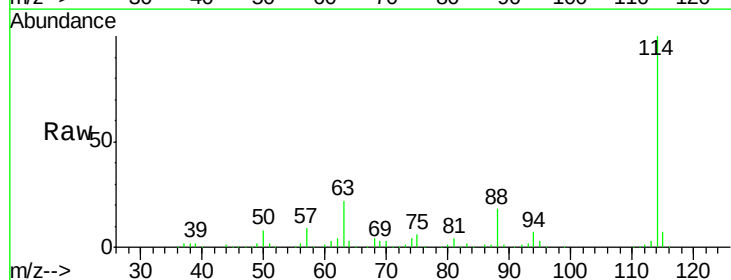
Instrument :
 MSVOA_X
 ClientSampled :
 MW-106I

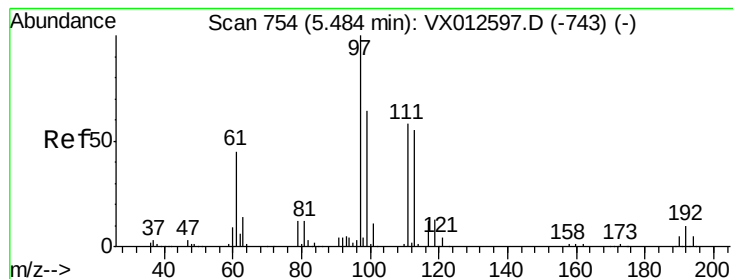
Tot Ion: 65 Resp: 121863
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012763.D
 Acq: 02 Oct 2019 16:02

Tgt Ion: 114 Resp: 299213
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 18.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.777 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Instrument :

MSVOA_X

ClientSampleId :

MW-106I

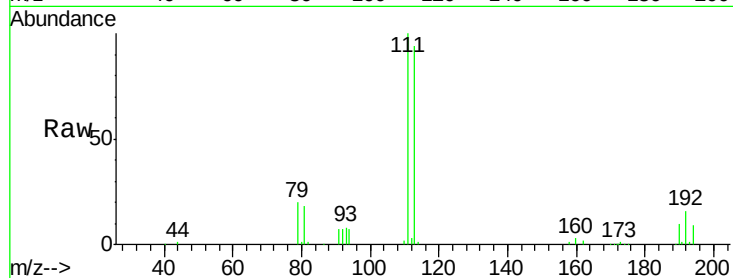
Tot Ion:113 Resp: 90481

Ion Ratio Lower Upper

113 100

111 105.1 83.4 125.2

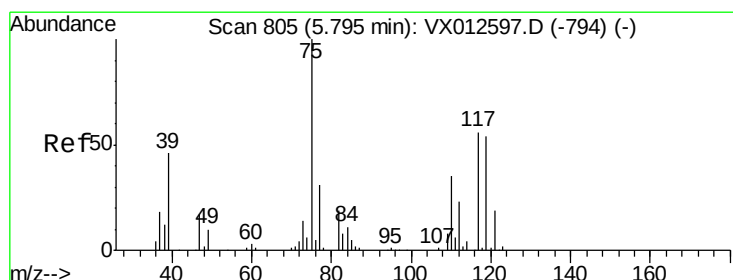
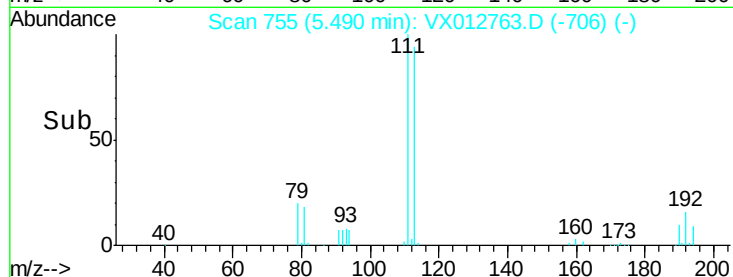
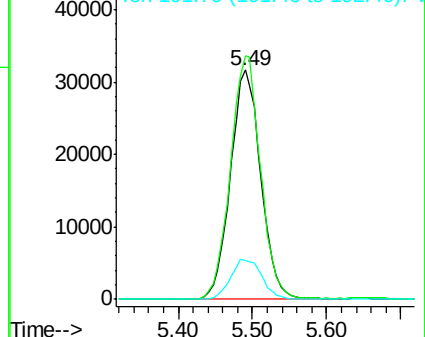
192 18.1 14.4 21.6



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: 5.104 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

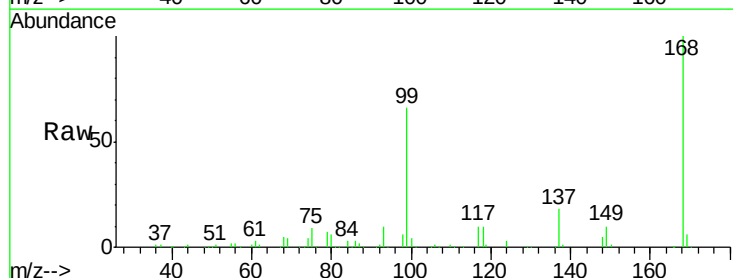
Tgt Ion: 75 Resp: 14720

Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.0#

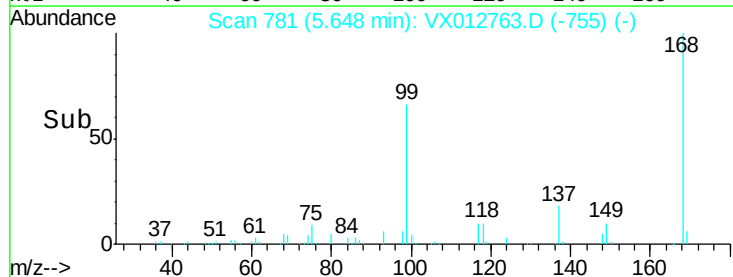
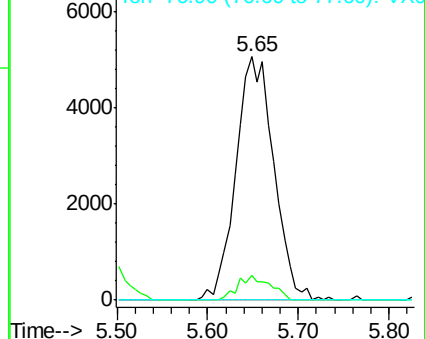
77 0.0 24.2 36.2#

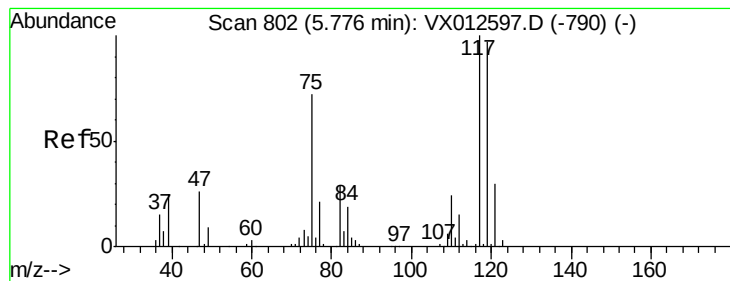


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.345 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Instrument :

MSVOA_X

ClientSampleId :

MW-106I

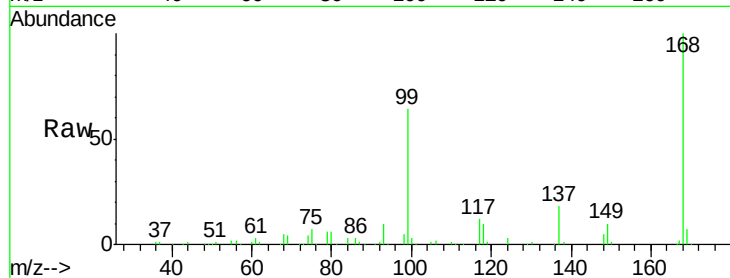
Tot Ion:117 Resp: 18588

Ion Ratio Lower Upper

117 100

119 5.0 75.7 113.5#

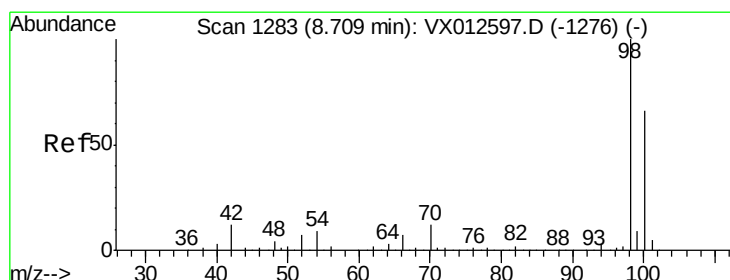
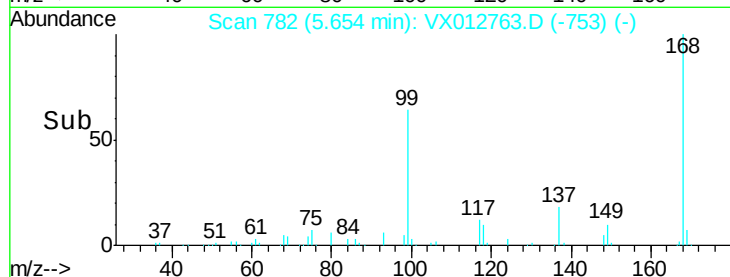
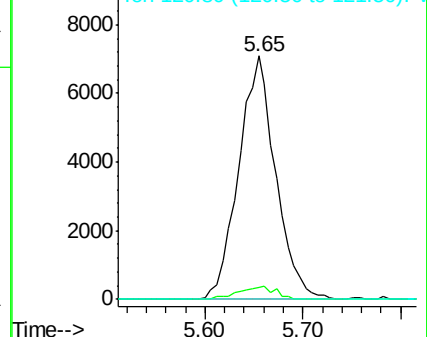
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 51.465 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012763.D

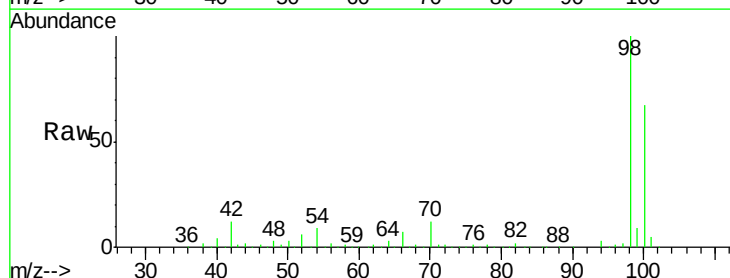
Acq: 02 Oct 2019 16:02

Tgt Ion: 98 Resp: 353175

Ion Ratio Lower Upper

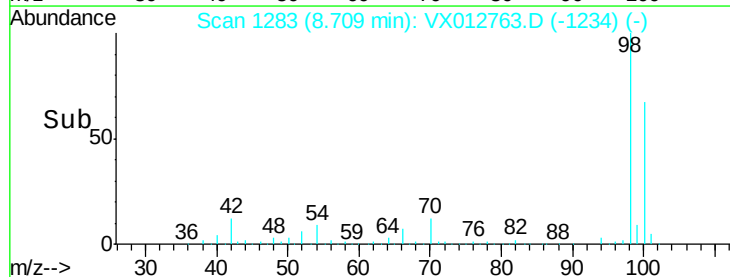
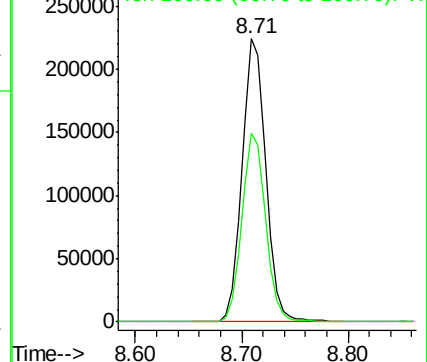
98 100

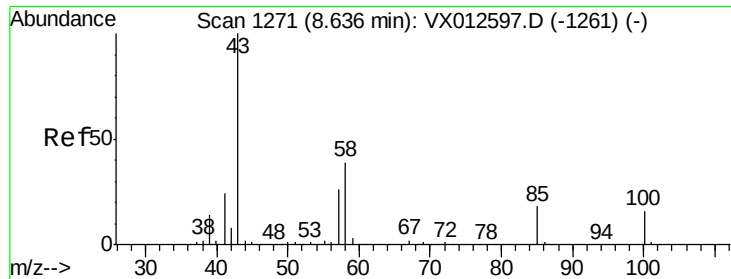
100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.572 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Instrument :

MSVOA_X

ClientSampleId :

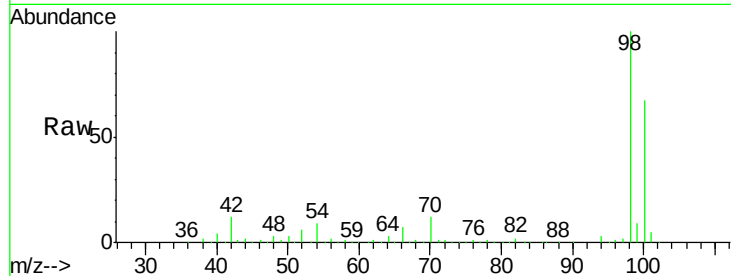
MW-106I

Tot Ion: 43 Resp: 1990

Ion Ratio Lower Upper

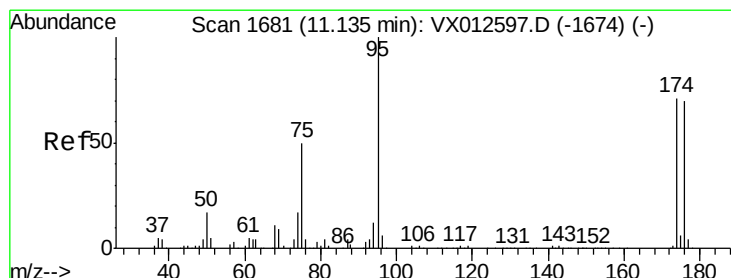
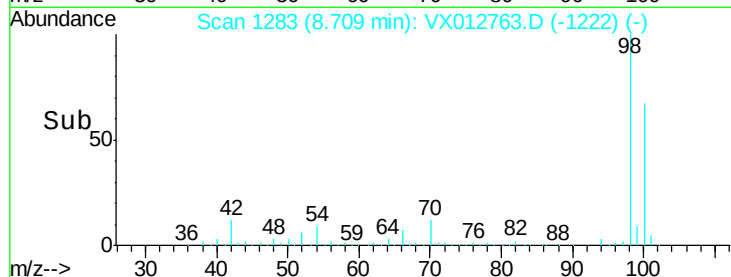
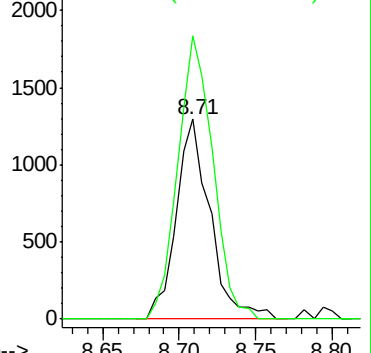
43 100

58 146.7 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 41.139 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

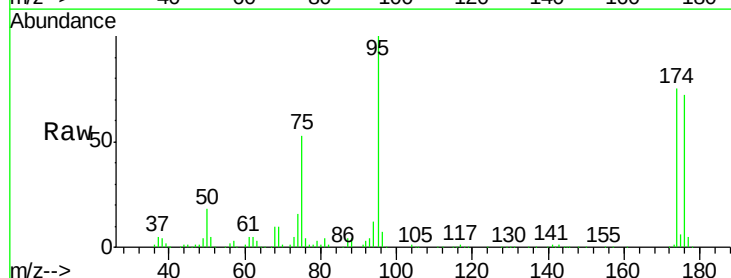
Tgt Ion: 95 Resp: 111005

Ion Ratio Lower Upper

95 100

174 71.5 0.0 140.0

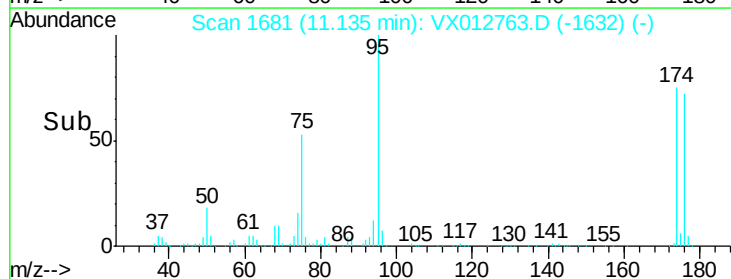
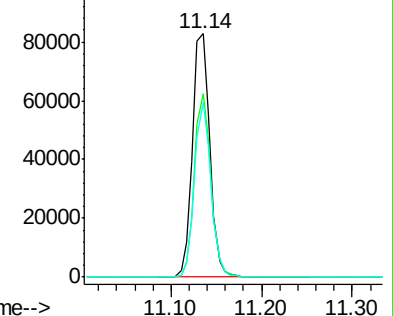
176 68.0 0.0 135.4

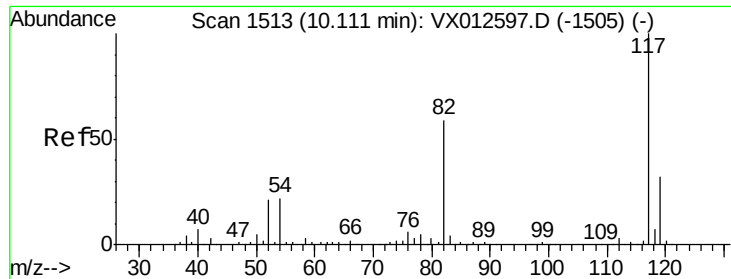


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

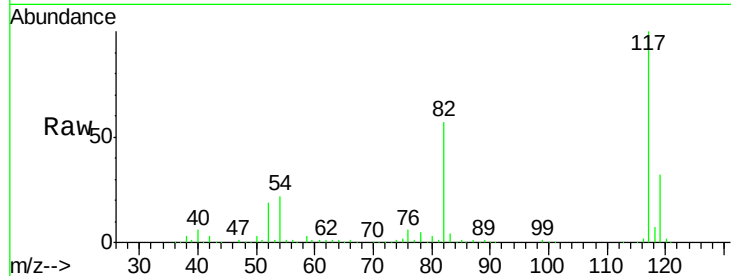




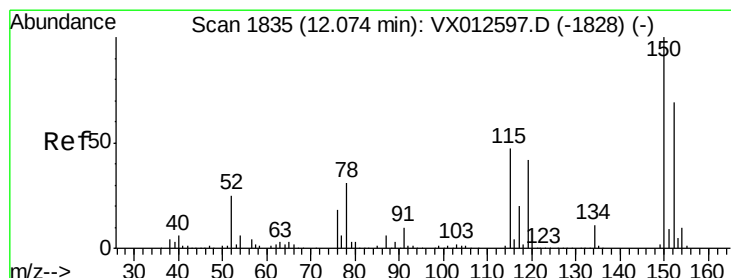
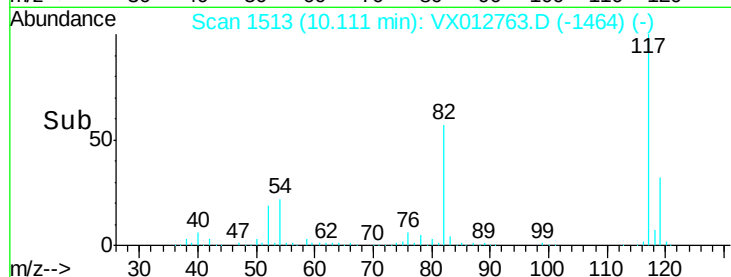
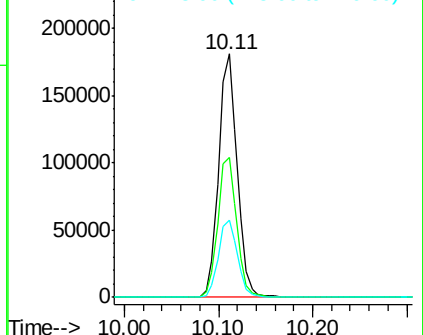
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012763.D
Acq: 02 Oct 2019 16:02

Instrument :
MSVOA_X
ClientSampleId :
MW-106I

Tot Ion:117 Resp: 247491
Ion Ratio Lower Upper
117 100
82 57.2 45.9 68.9
119 31.5 25.3 37.9

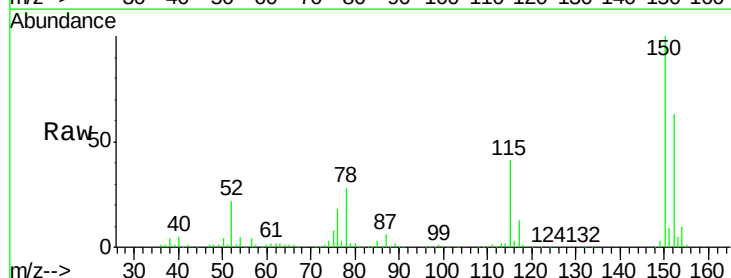


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

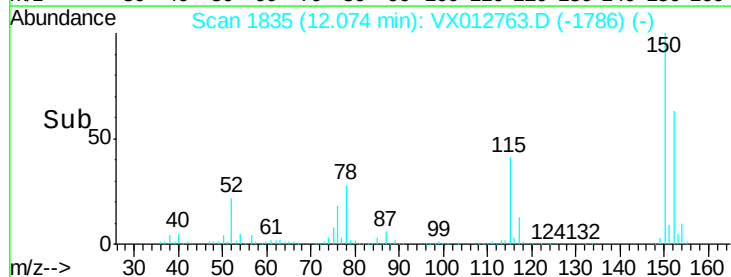
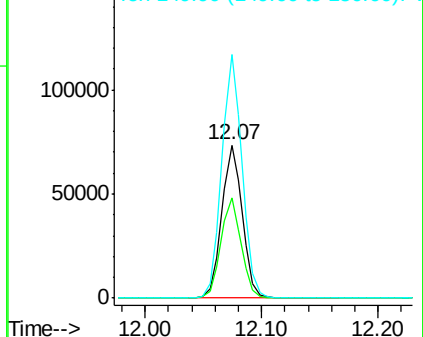


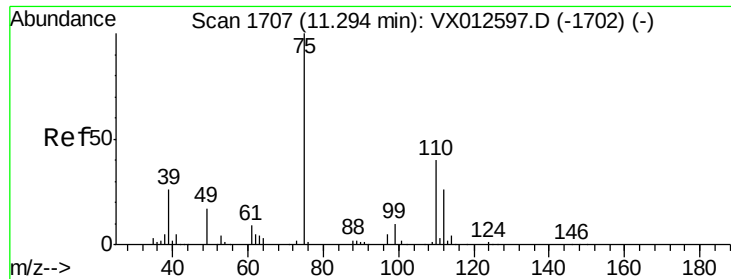
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012763.D
Acq: 02 Oct 2019 16:02

Tgt Ion:152 Resp: 88891
Ion Ratio Lower Upper
152 100
115 64.7 44.1 132.3
150 157.7 0.0 343.8



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: 24.134 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Instrument :

MSVOA_X

ClientSampleId :

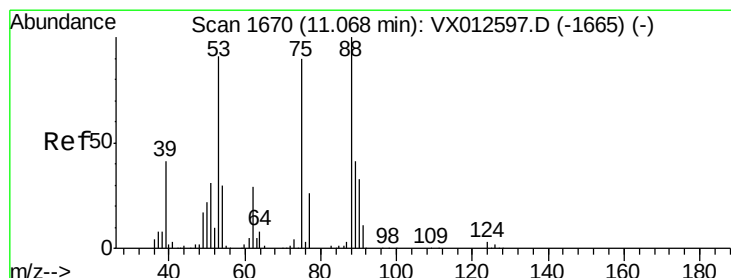
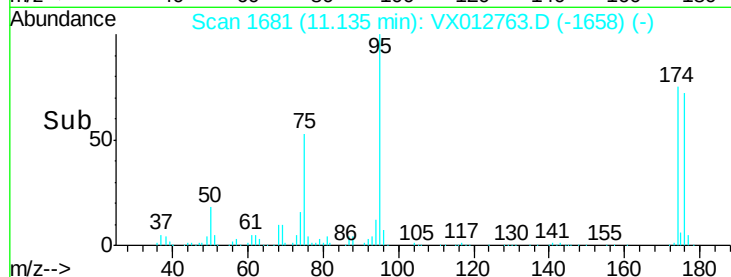
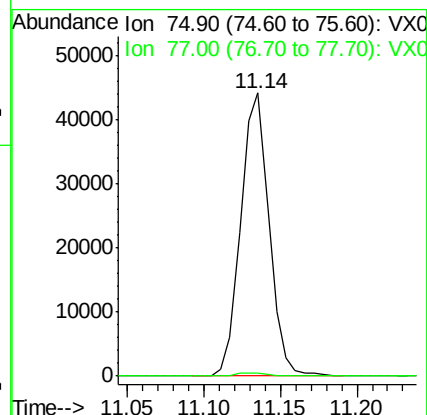
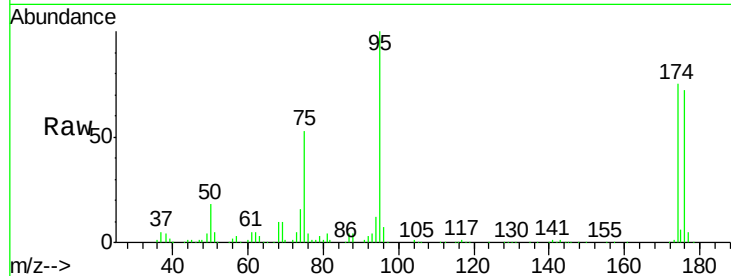
MW-106I

Tot Ion: 75 Resp: 56749

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.163 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012763.D

Acq: 02 Oct 2019 16:02

Tgt Ion: 75 Resp: 56749

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

