

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008658.D
 Acq On : 05 Apr 2019 00:39
 Operator : JC/SP
 Sample : K2274-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW163-190402

Quant Time: Apr 05 07:13:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124536	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	149224	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	5.49	113	110341	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.71	98	445797	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.13	95	147722	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

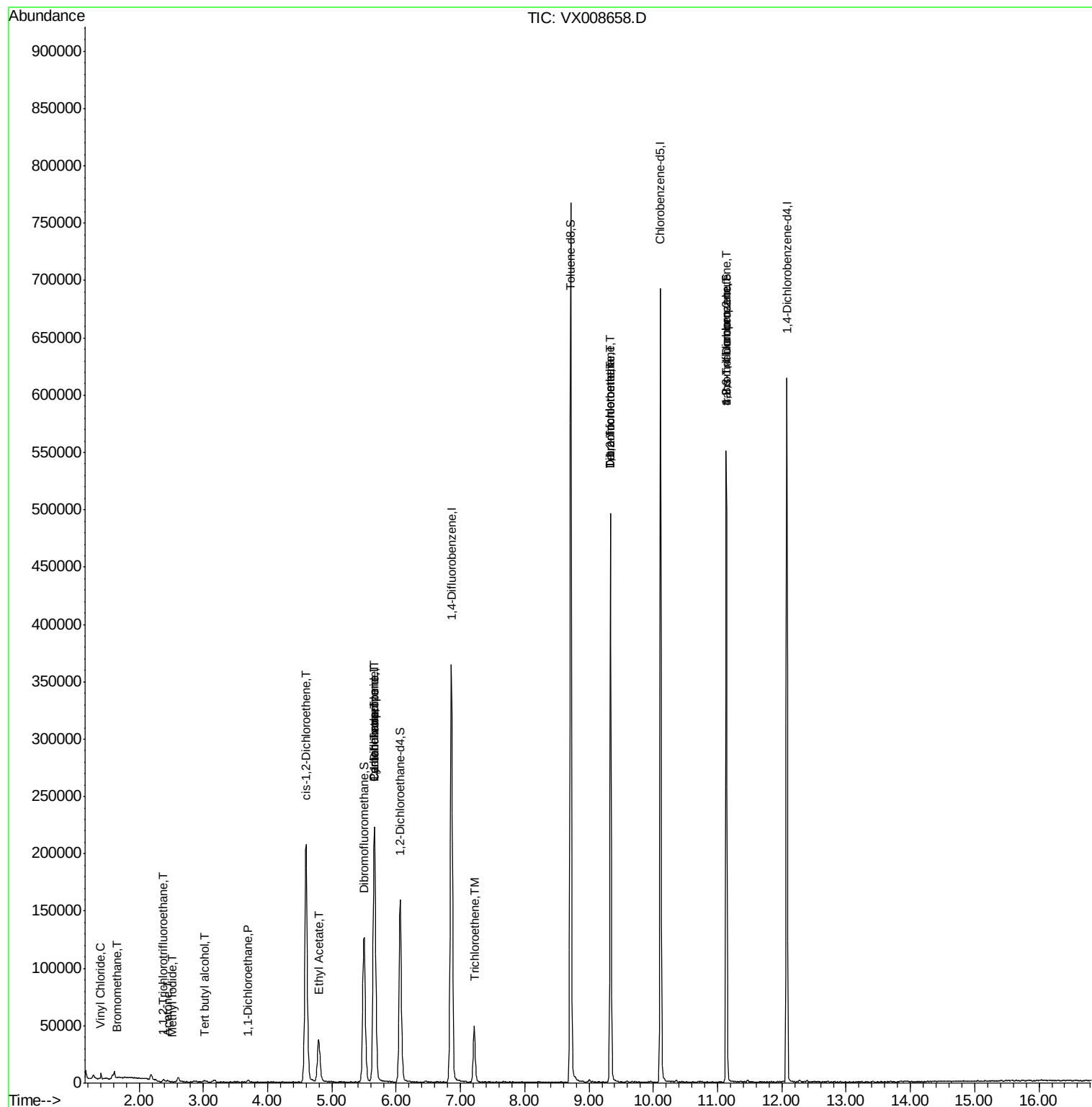
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	383	Below Cal		98
4) Vinyl Chloride	1.41	62	2918	0.872	ug/l	95
5) Bromomethane	1.65	94	284	2.051	ug/l #	77
6) Chloroethane	1.68	64	1733	Below Cal	#	43
9) 1,1,2-Trichlorotrifluoroet	2.38	101	477	0.200	ug/l	87
10) Methyl Iodide	2.51	142	160	4.071	ug/l #	87
11) Tert butyl alcohol	3.02	59	900	1.226	ug/l #	72
16) Acetone	2.45	43	1126	0.623	ug/l	94
17) Carbon Disulfide	2.57	76	689	Below Cal	#	85
24) 1,1-Dichloroethane	3.69	63	1267	0.233	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	129170	41.783	ug/l	88
28) Bromochloromethane	5.04	49	21	Below Cal	#	22
31) Cyclohexane	5.67	56	5003	0.923	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18065	4.623	ug/l #	50
37) Ethyl Acetate	4.79	43	10582	2.029	ug/l #	70
38) Carbon Tetrachloride	5.66	117	21194	6.554	ug/l #	18
44) Trichloroethene	7.21	130	18380	6.779	ug/l	92
55) 1,1,2-Trichloroethane	9.34	97	855	0.310	ug/l #	5
60) Dibromochloromethane	9.34	129	90124	34.719	ug/l #	11
64) Tetrachloroethene	9.34	164	93623	41.349	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	74567	21.796	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	74567	60.082	ug/l #	9

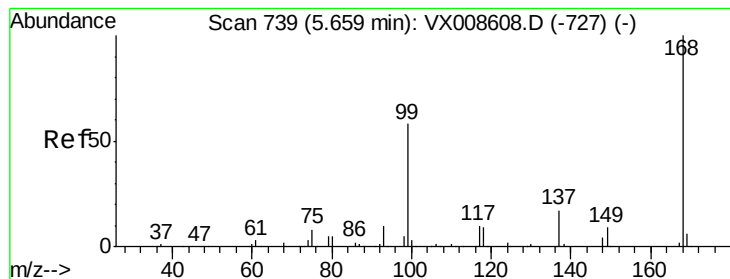
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008658.D
Acq On : 05 Apr 2019 00:39
Operator : JC/SP
Sample : K2274-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST006RW163-190402

Quant Time: Apr 05 07:13:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

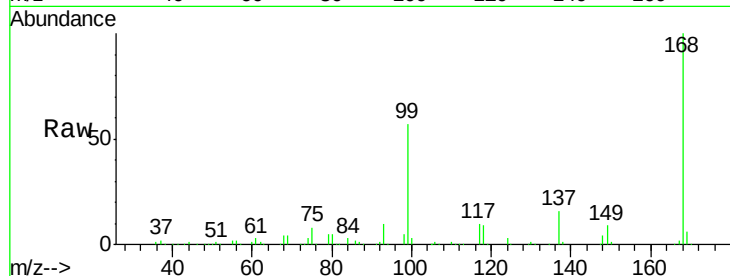
ST006RW163-190402

Tgt Ion:168 Resp: 215025

Ion Ratio Lower Upper

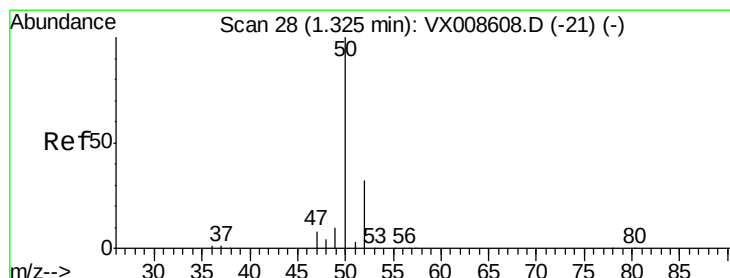
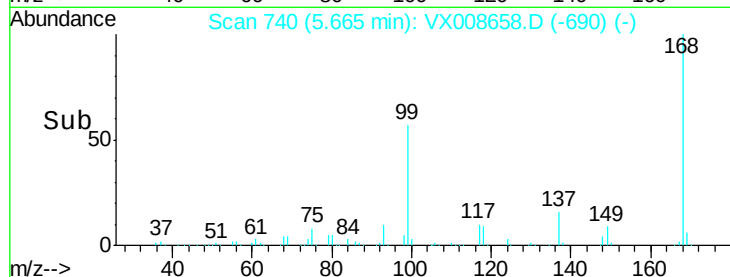
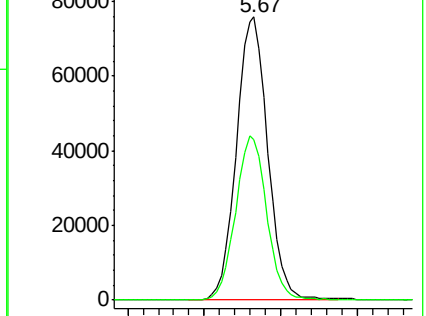
168 100

99 56.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008658.D

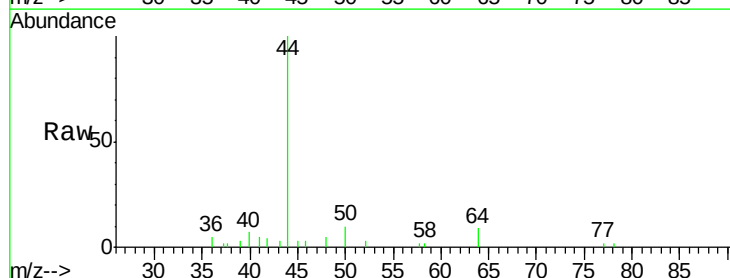
Acq: 05 Apr 2019 00:39

Tgt Ion: 50 Resp: 383

Ion Ratio Lower Upper

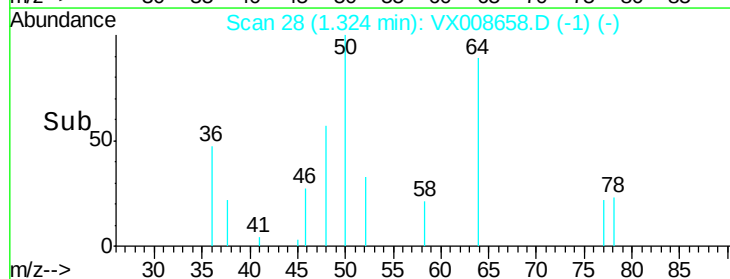
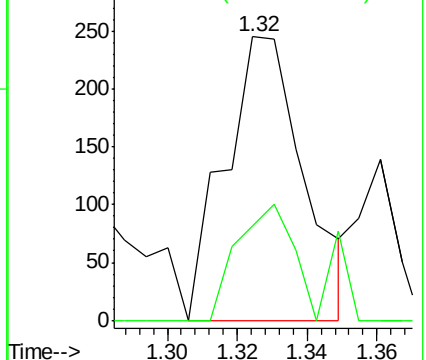
50 100

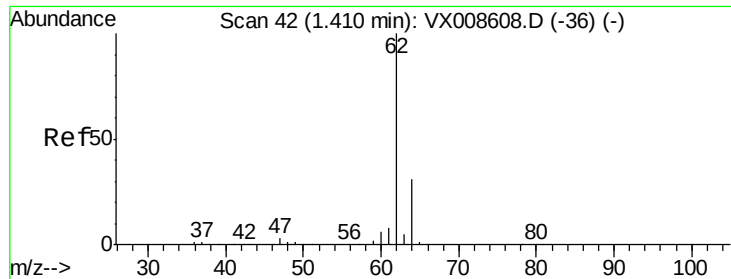
52 33.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.872 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

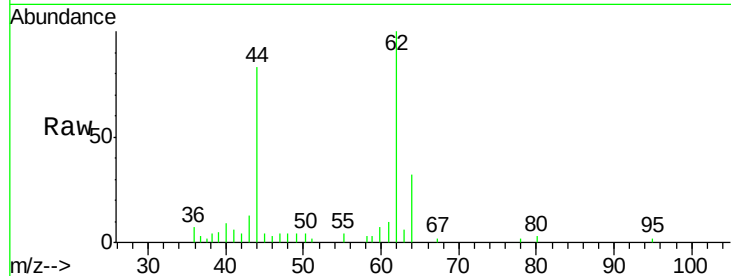
ST006RW163-190402

Tgt Ion: 62 Resp: 2918

Ion Ratio Lower Upper

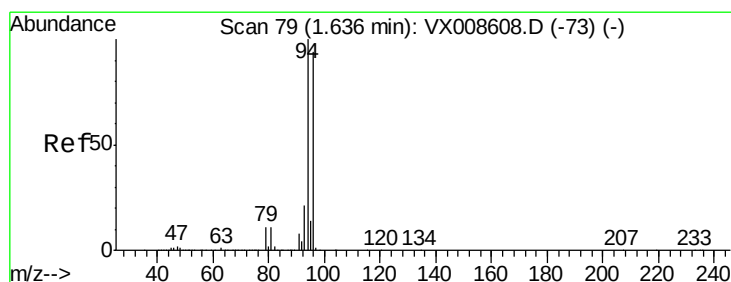
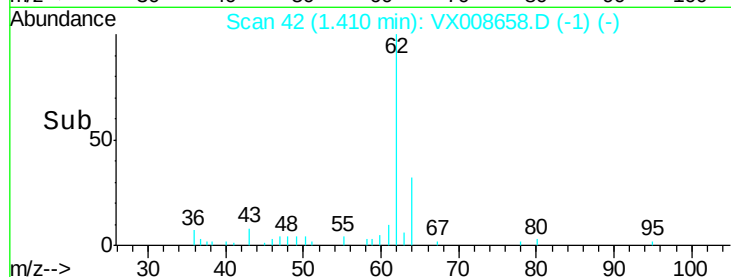
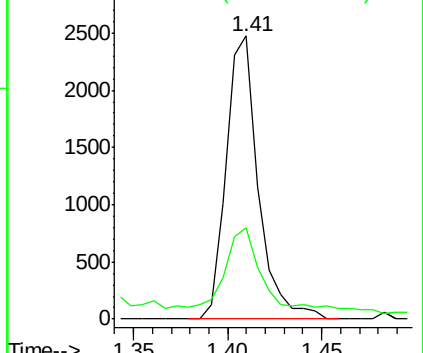
62 100

64 28.4 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 2.051 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008658.D

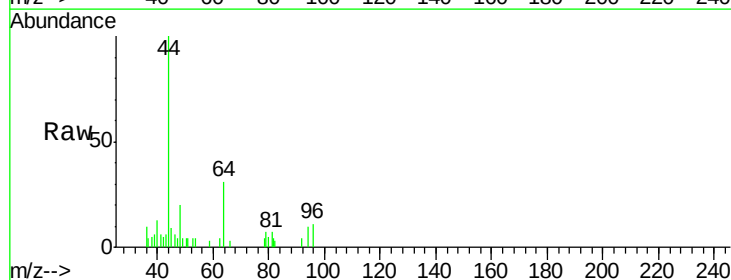
Acq: 05 Apr 2019 00:39

Tgt Ion: 94 Resp: 284

Ion Ratio Lower Upper

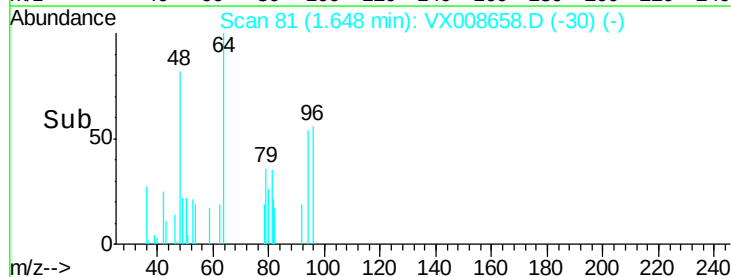
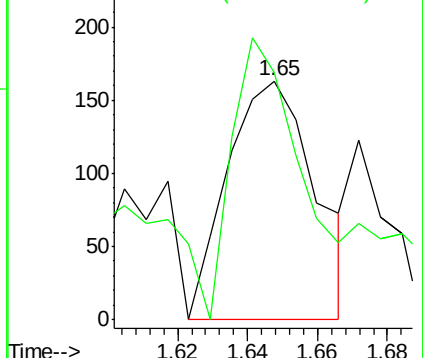
94 100

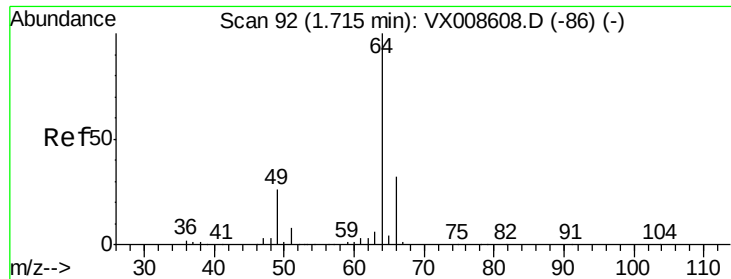
96 71.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

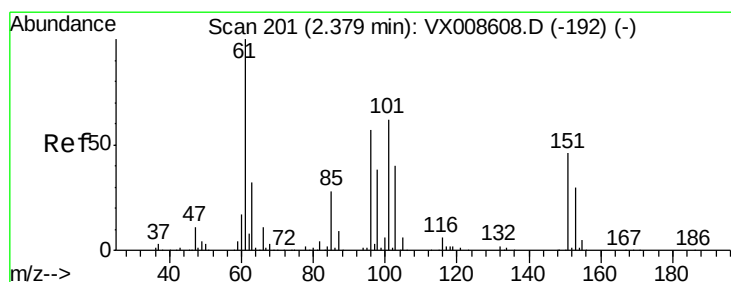
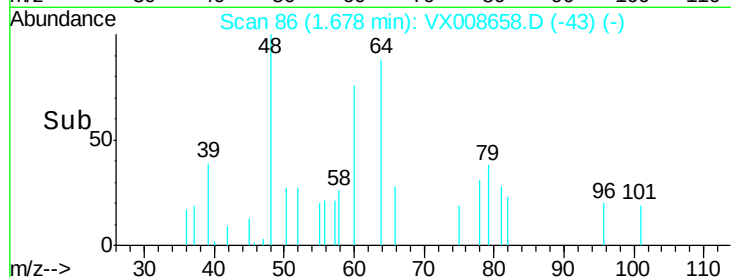
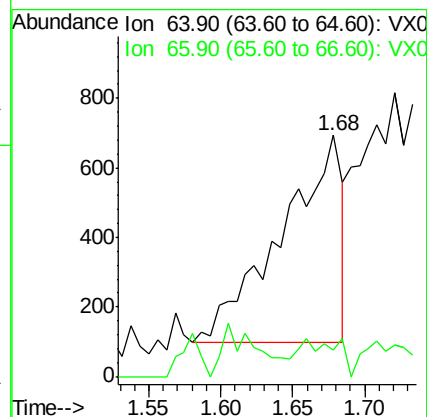
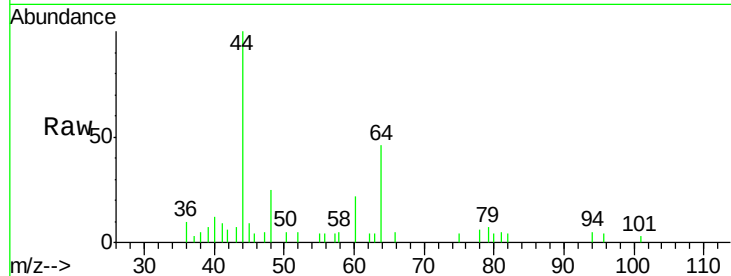
ST006RW163-190402

Tgt Ion: 64 Resp: 1733

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.200 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

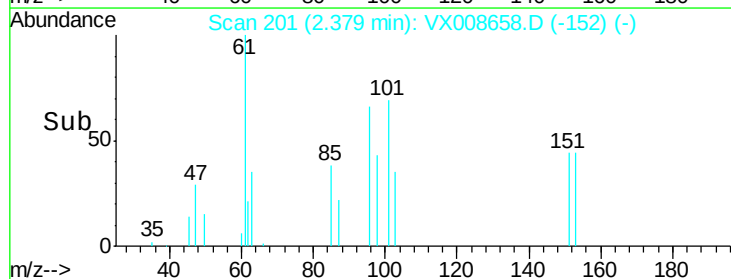
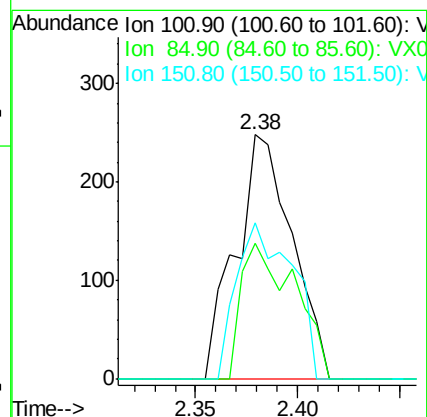
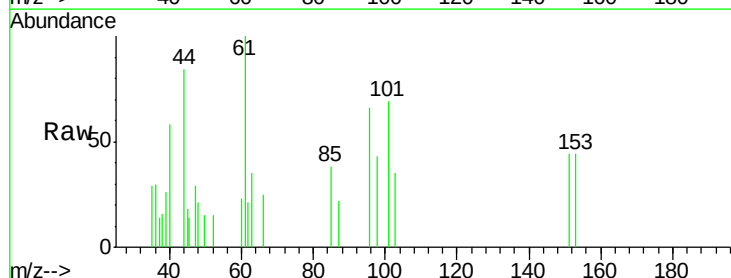
Tgt Ion: 101 Resp: 477

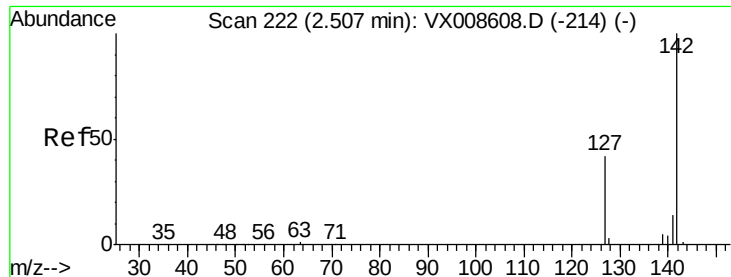
Ion Ratio Lower Upper

101 100

85 52.4 36.0 54.0

151 62.9 59.9 89.9

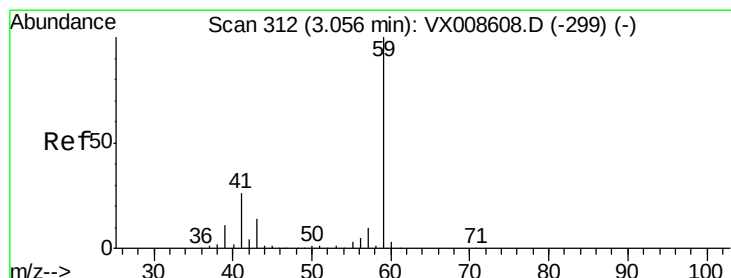
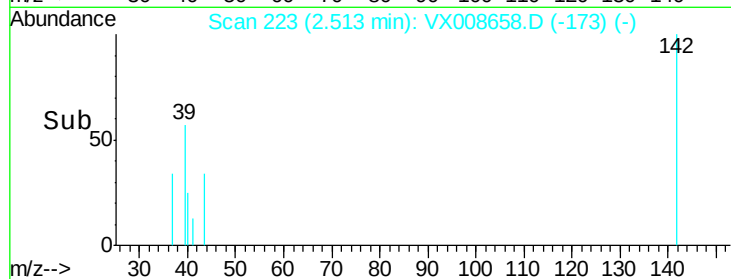
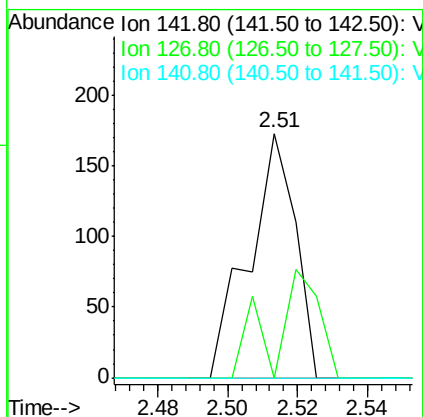
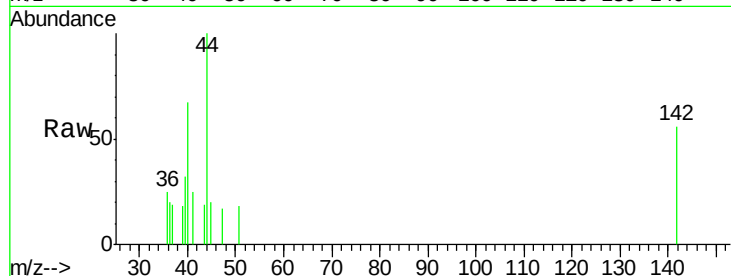




#10
Methyl Iodide
Concen: 4.071 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008658.D
Acq: 05 Apr 2019 00:39

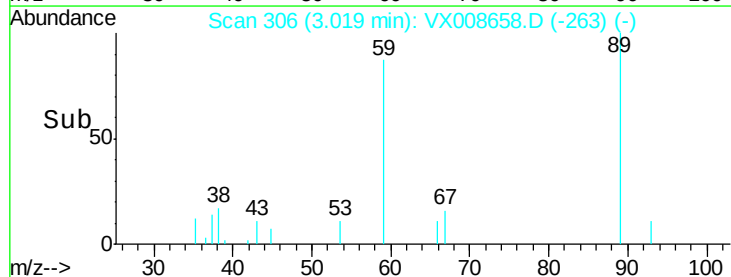
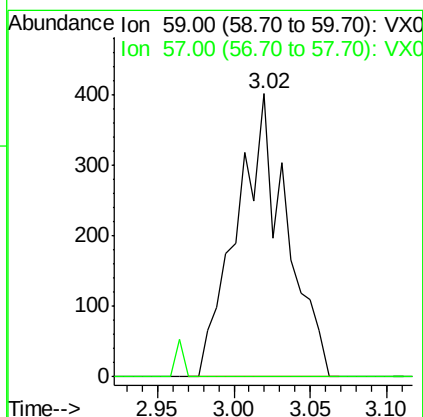
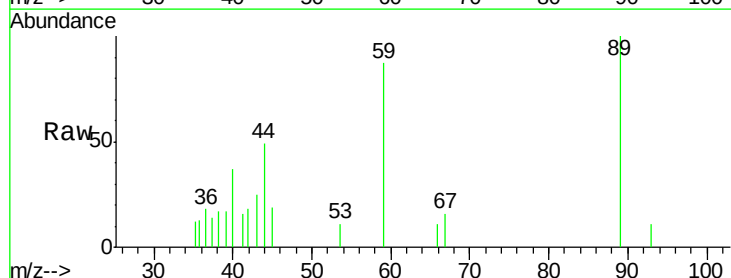
Instrument :
MSVOA_X
ClientSampleId :
ST006RW163-190402

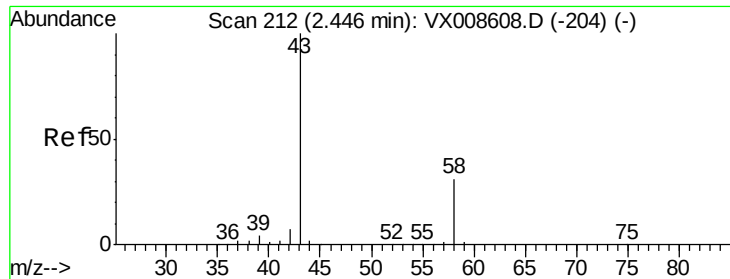
Tgt Ion: 142 Resp: 160
Ion Ratio Lower Upper
142 100
127 44.4 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.226 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008658.D
Acq: 05 Apr 2019 00:39

Tgt Ion: 59 Resp: 900
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.623 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

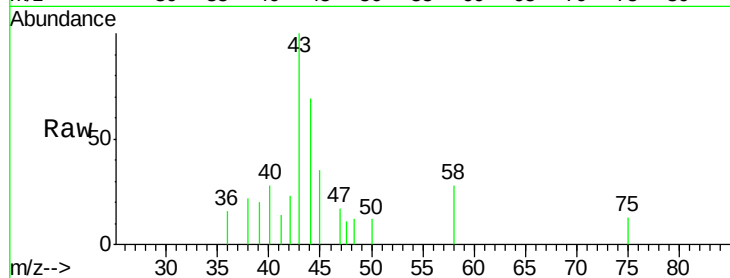
ST006RW163-190402

Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

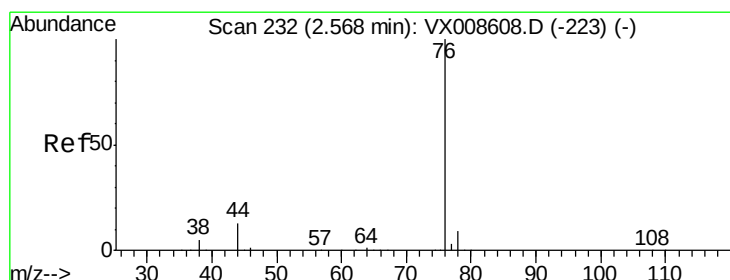
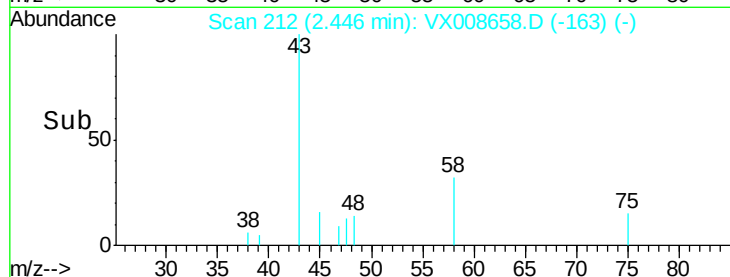
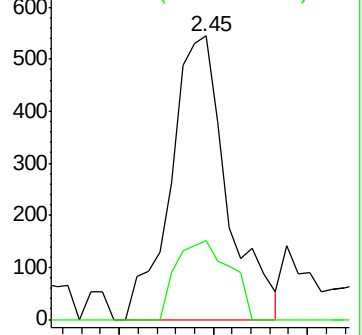
43 100

58 27.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008658.D

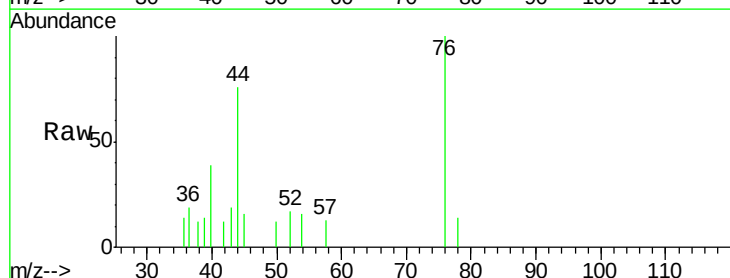
Acq: 05 Apr 2019 00:39

Tgt Ion: 76 Resp: 689

Ion Ratio Lower Upper

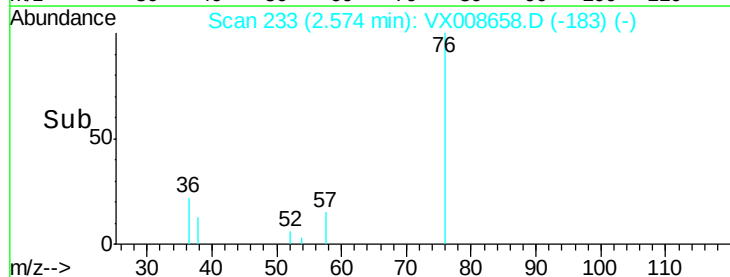
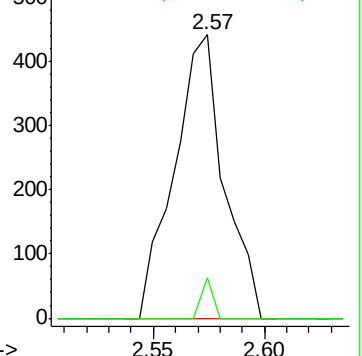
76 100

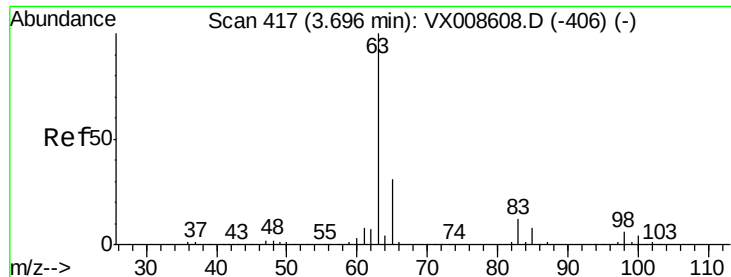
78 14.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#24

1,1-Dichloroethane

Concen: 0.233 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

ST006RW163-190402

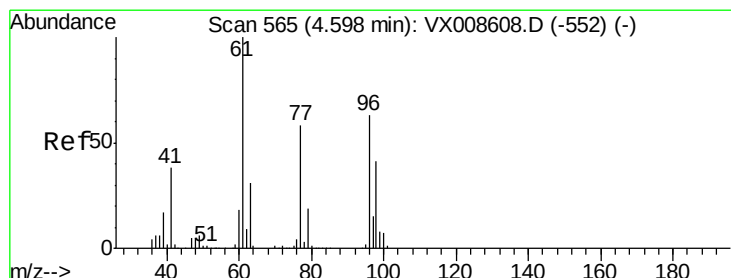
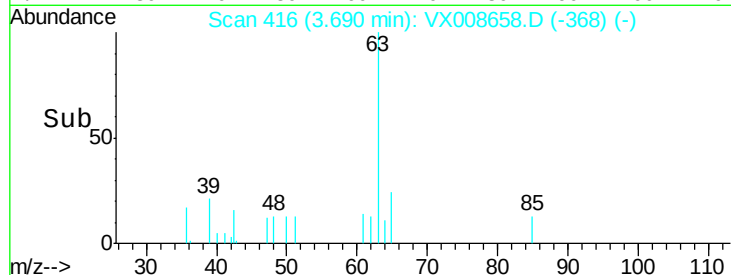
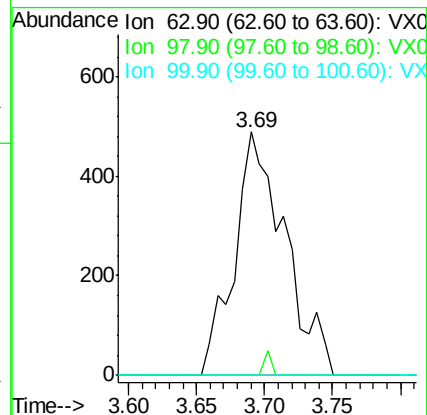
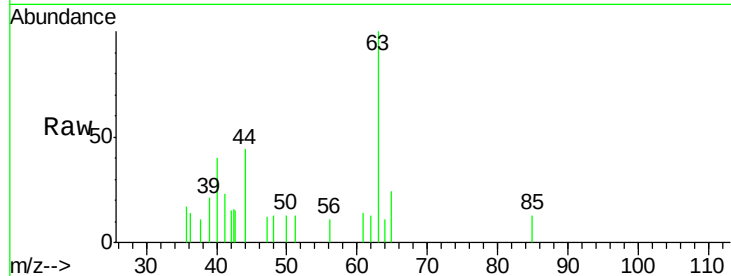
Tgt Ion: 63 Resp: 1267

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.8 5.5#



#27

cis-1,2-Dichloroethene

Concen: 41.783 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

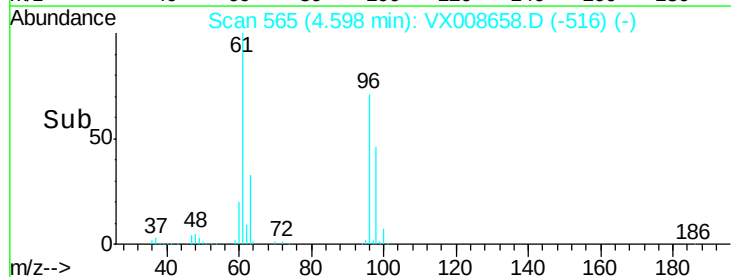
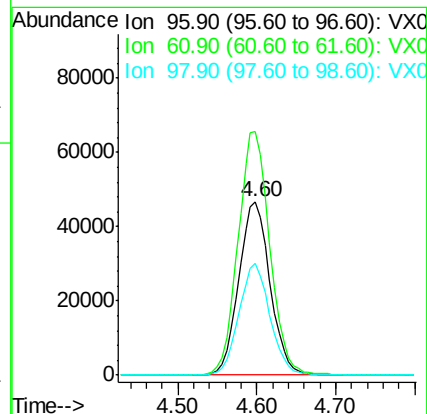
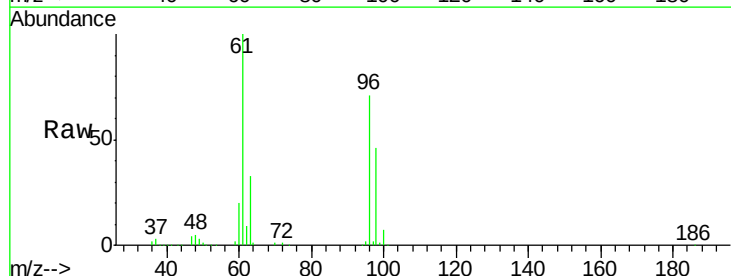
Tgt Ion: 96 Resp: 129170

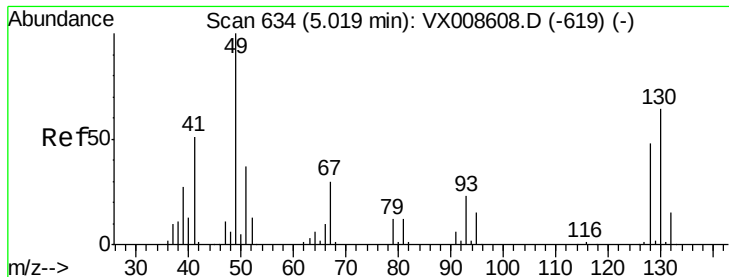
Ion Ratio Lower Upper

96 100

61 142.2 0.0 327.6

98 63.7 0.0 128.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

ST006RW163-190402

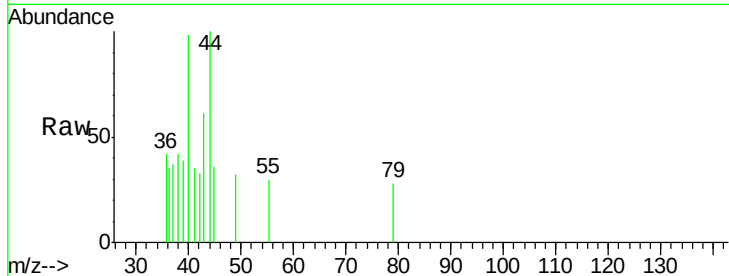
Tgt Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

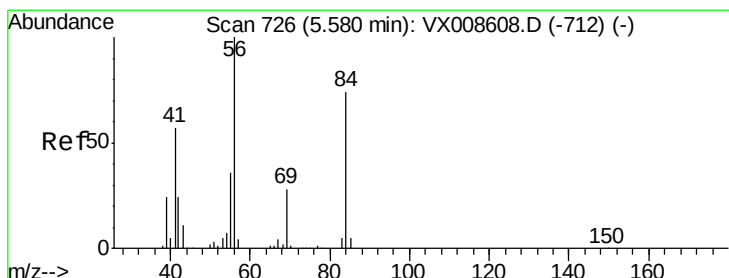
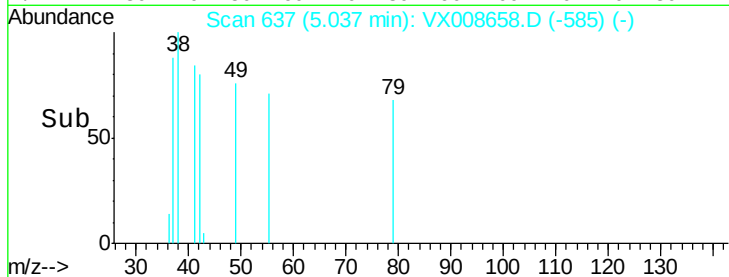
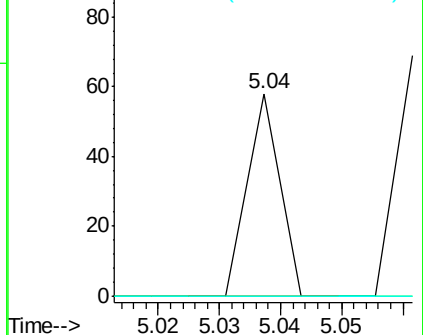
130 0.0 49.3 73.9#



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: 0.923 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

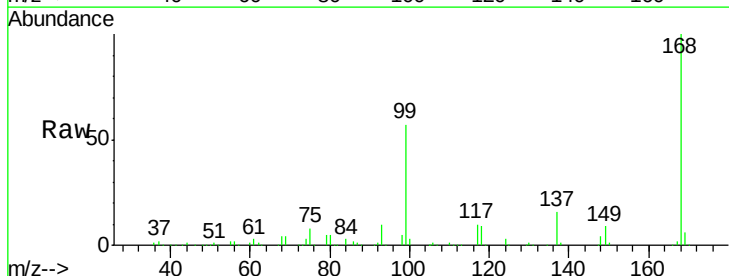
Tgt Ion: 56 Resp: 5003

Ion Ratio Lower Upper

56 100

69 169.5 22.6 33.8#

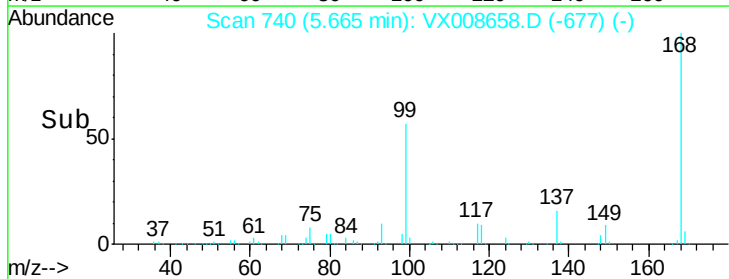
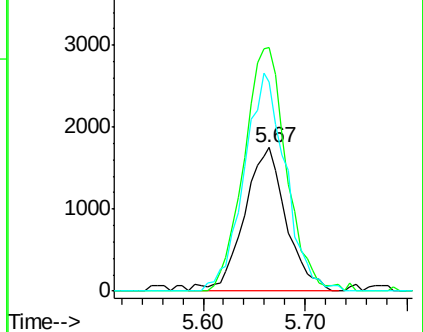
84 145.4 59.3 88.9#

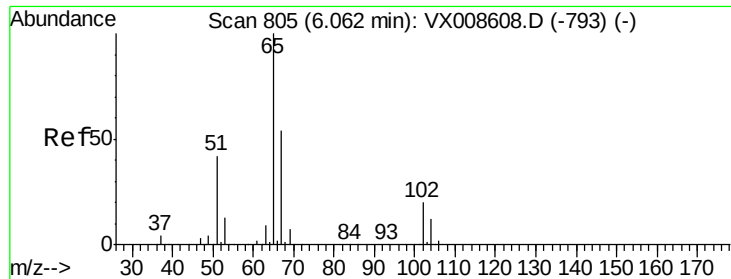


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

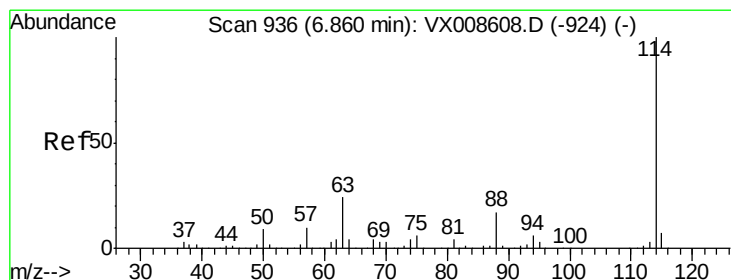
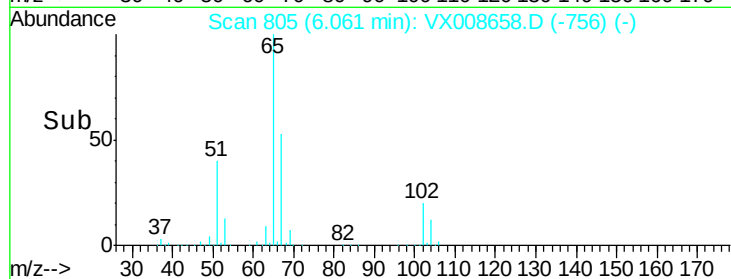
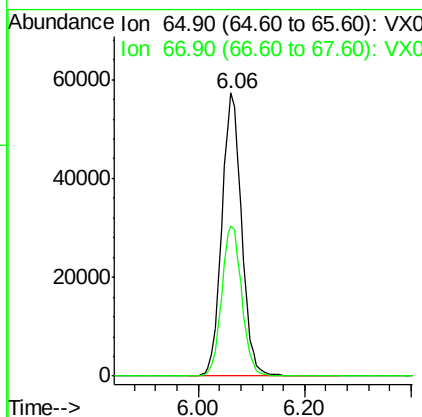
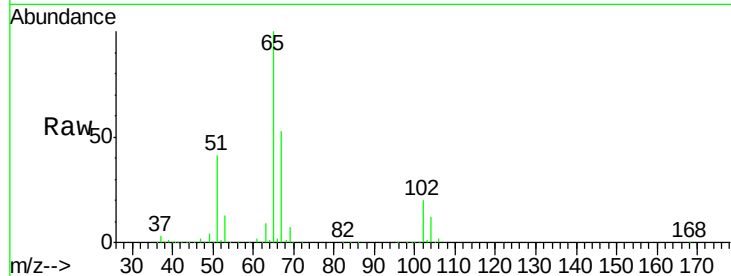




#33
 1,2-Dichloroethane-d4
 Concen: 47.580 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

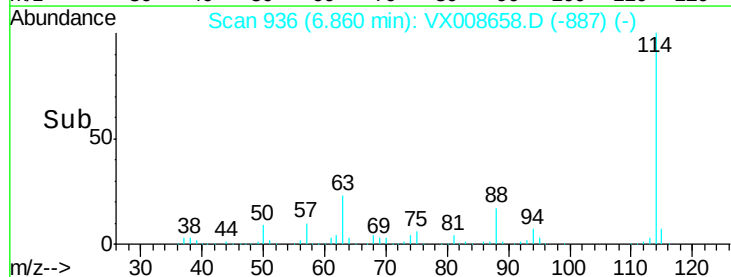
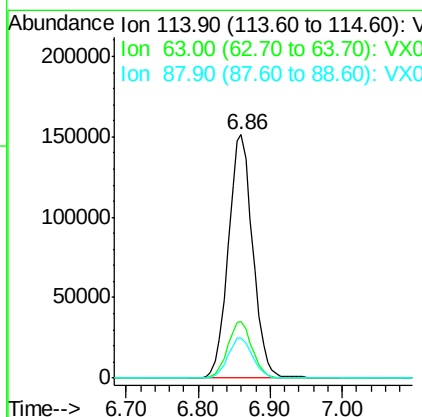
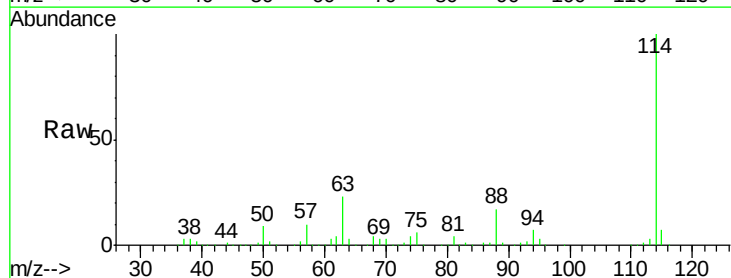
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW163-190402

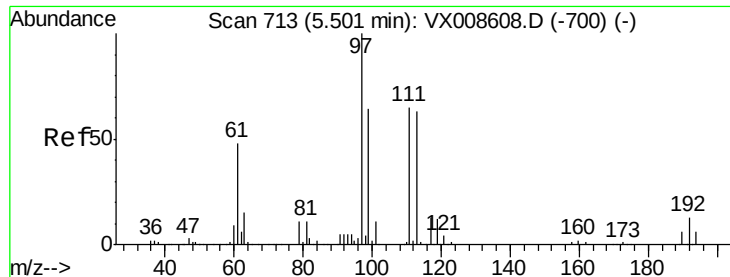
Tgt Ion: 65 Resp: 149224
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

Tgt Ion: 114 Resp: 357453
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.6 0.0 34.0

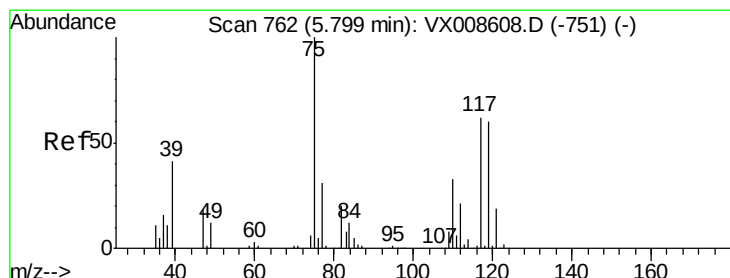
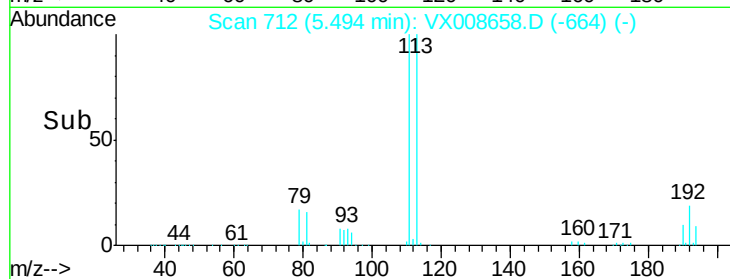
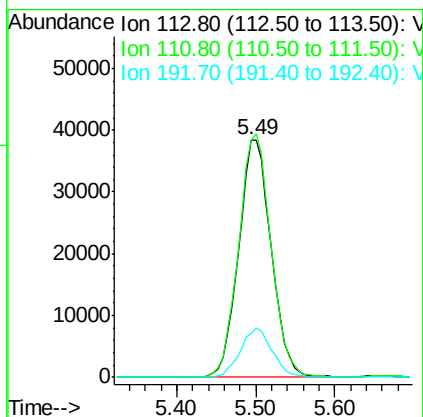
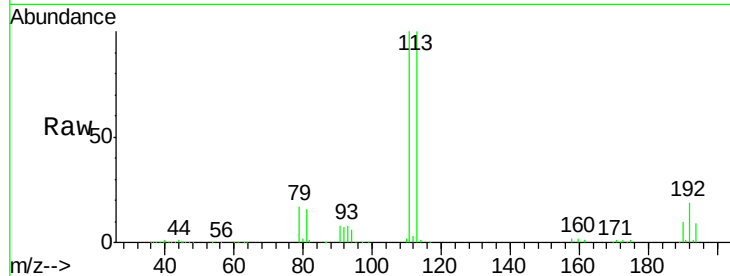




#35
 Dibromofluoromethane
 Concen: 48.280 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

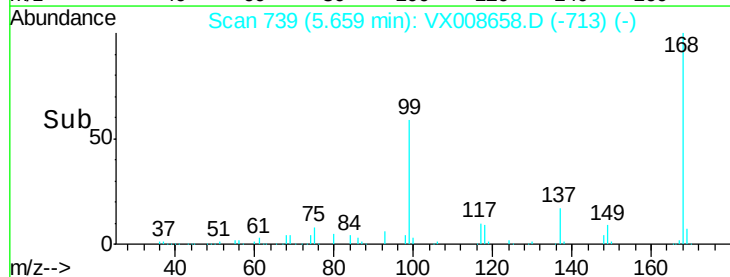
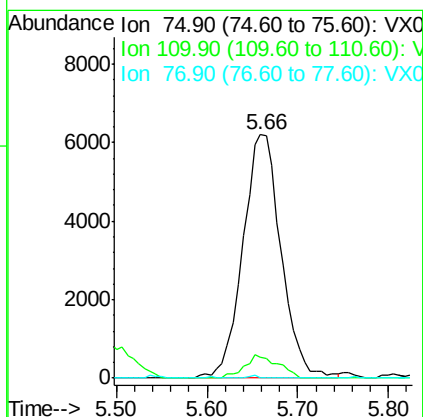
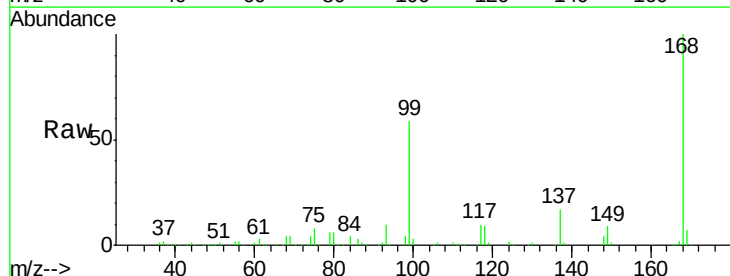
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW163-190402

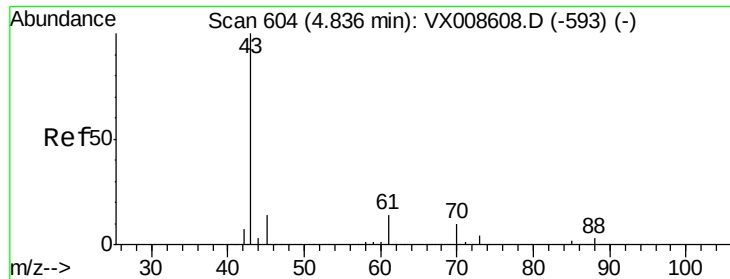
Tgt Ion:113 Resp: 110341
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.2
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.623 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

Tgt Ion: 75 Resp: 18065
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.4 49.2#
 77 0.3 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.029 ug/l

RT: 4.79 min Scan# 596

Delta R.T. -0.05 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

ST006RW163-190402

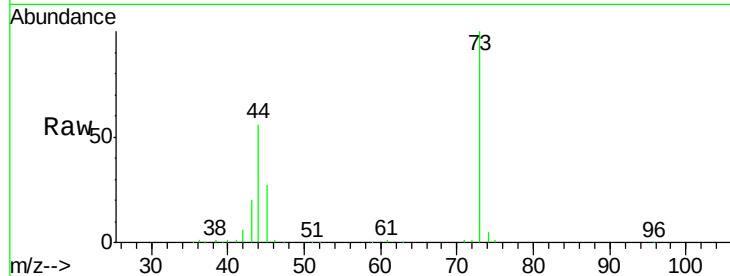
Tgt Ion: 43 Resp: 10582

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

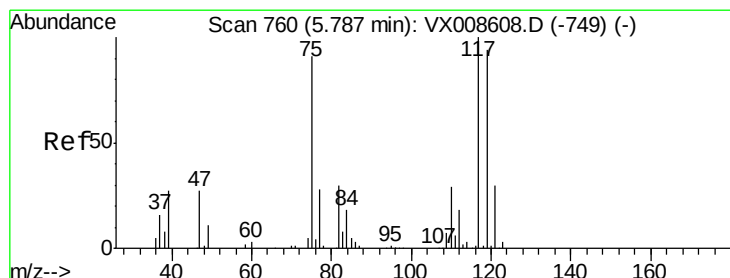
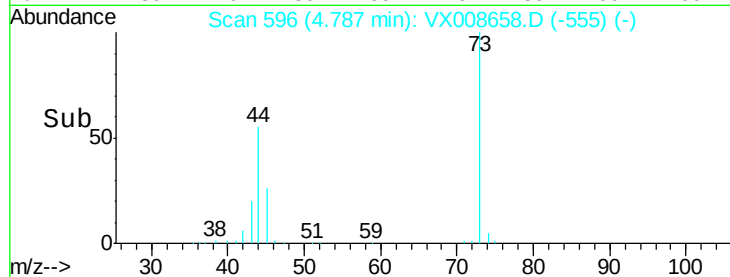
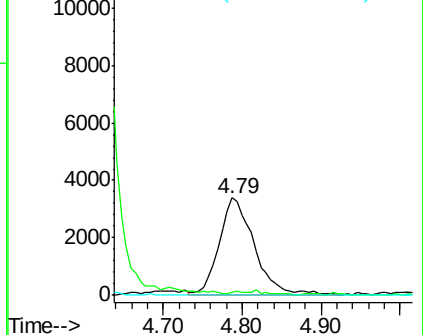
70 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.554 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

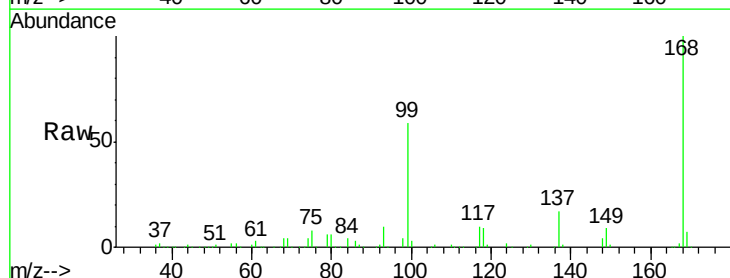
Tgt Ion: 117 Resp: 21194

Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

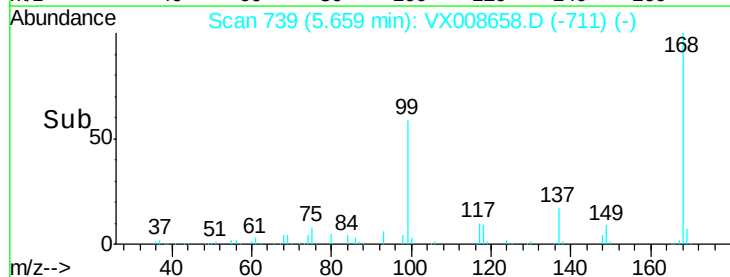
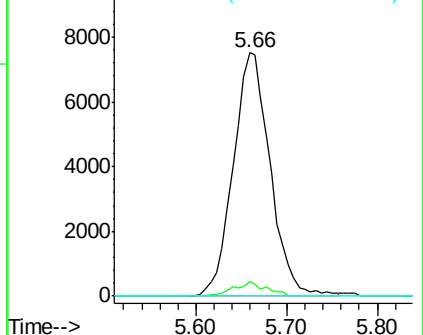
121 0.0 24.3 36.5#

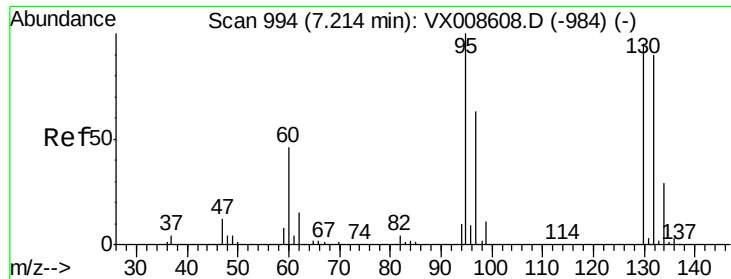


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 6.779 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

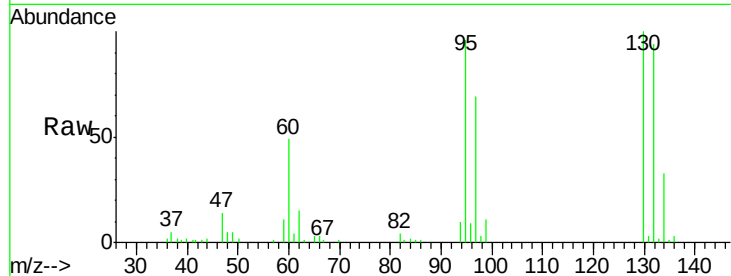
ST006RW163-190402

Tgt Ion:130 Resp: 18380

Ion Ratio Lower Upper

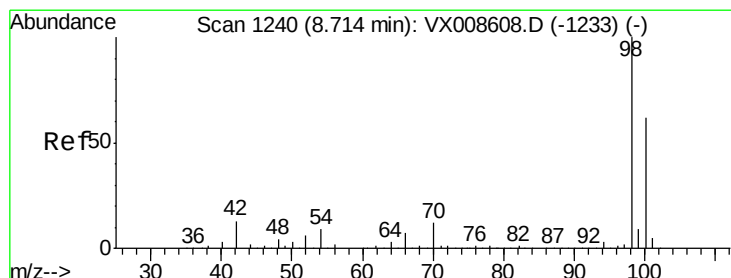
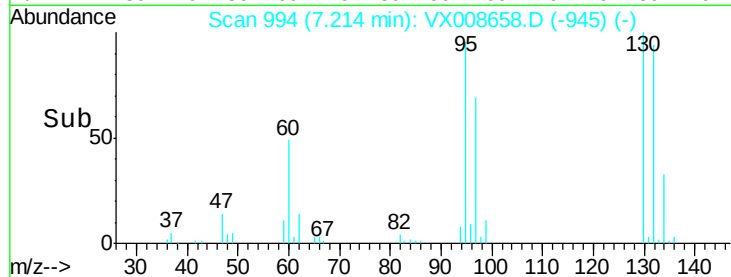
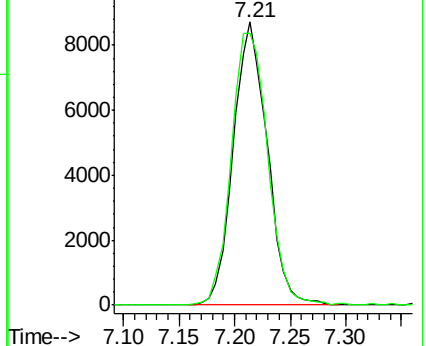
130 100

95 96.3 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.989 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008658.D

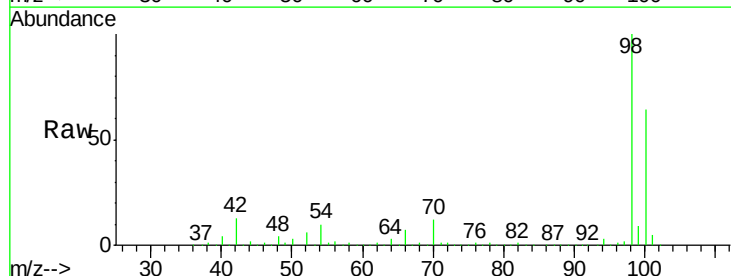
Acq: 05 Apr 2019 00:39

Tgt Ion: 98 Resp: 445797

Ion Ratio Lower Upper

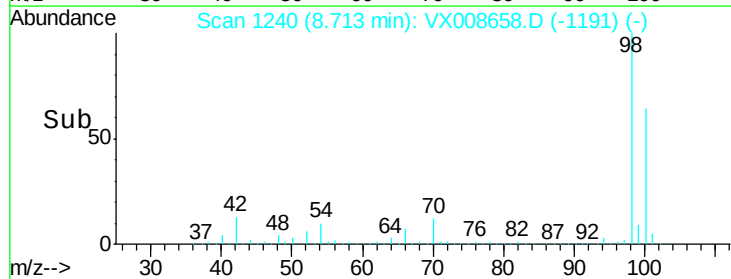
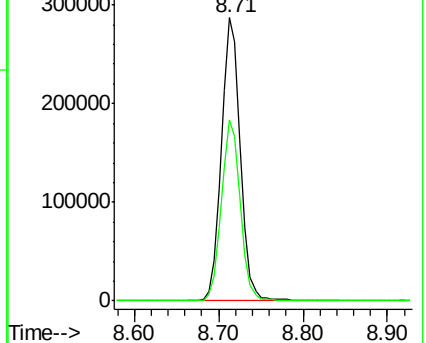
98 100

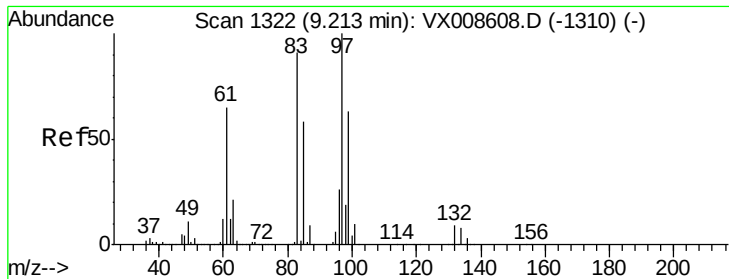
100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

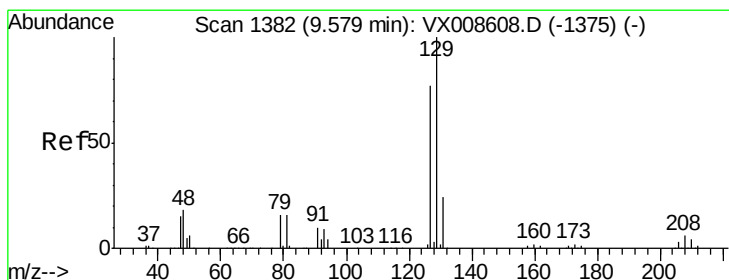
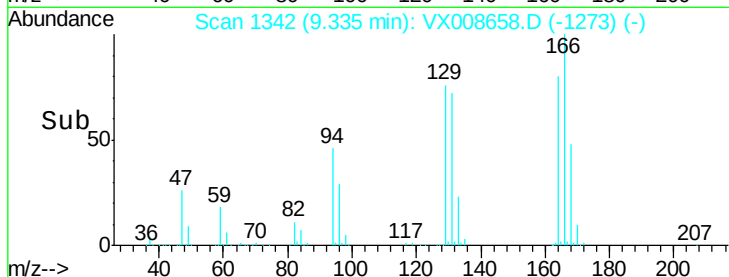
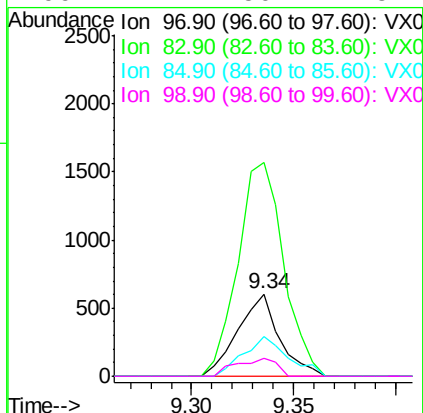
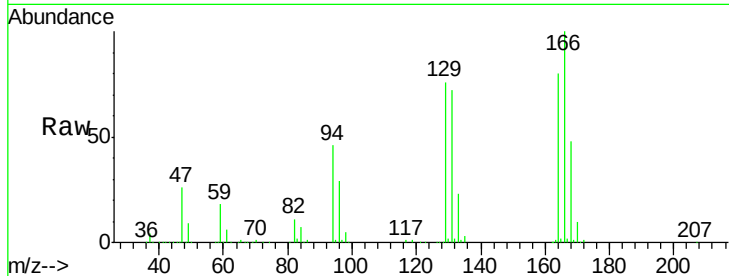




#55
 1,1,2-Trichloroethane
 Concen: 0.310 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.12 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

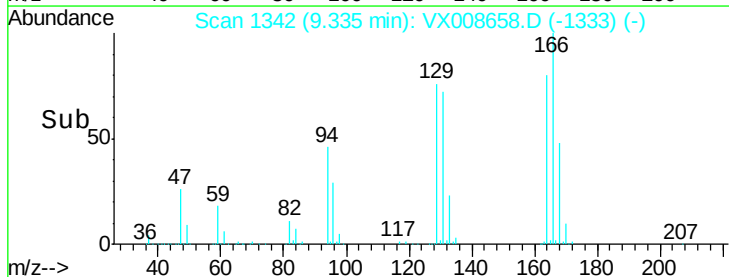
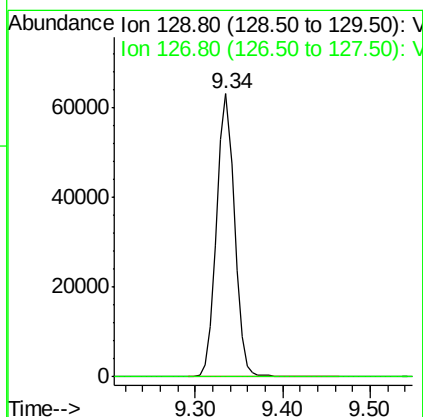
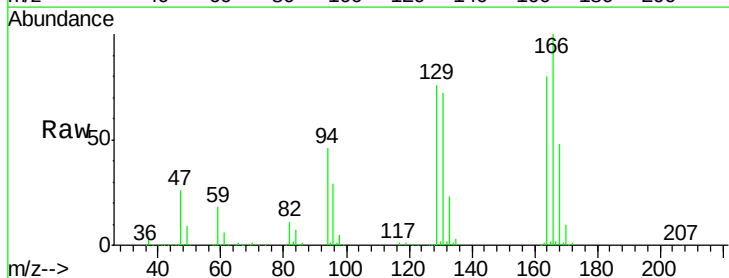
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW163-190402

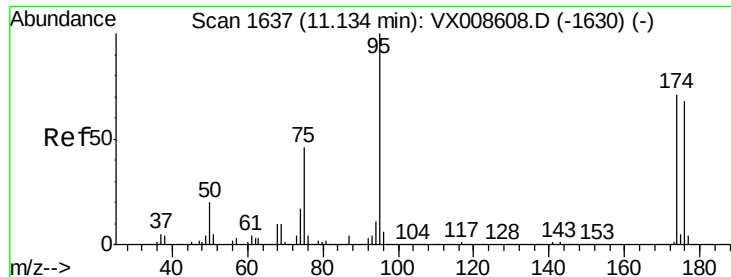
Tgt Ion: 97 Resp: 855
 Ion Ratio Lower Upper
 97 100
 83 260.0 73.2 109.8#
 85 48.6 46.6 69.8
 99 22.2 50.1 75.1#



#60
 Dibromochloromethane
 Concen: 34.719 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

Tgt Ion: 129 Resp: 90124
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.5 115.3#

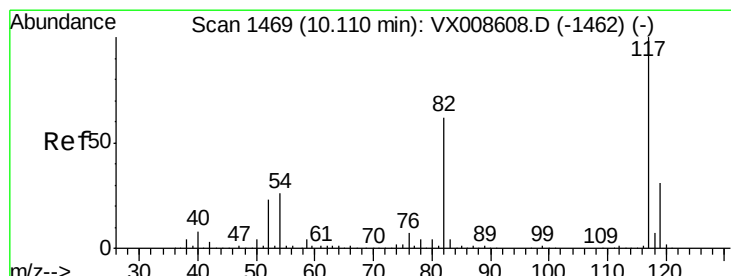
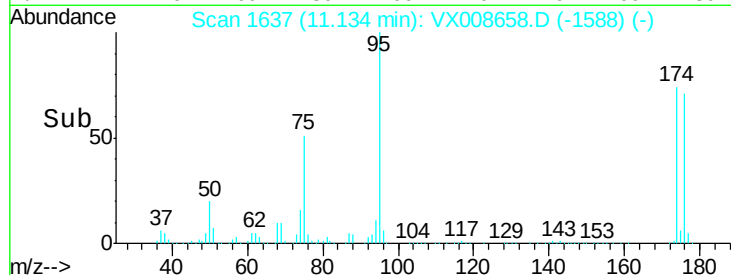
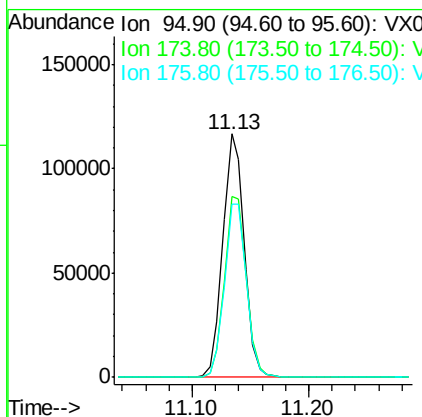
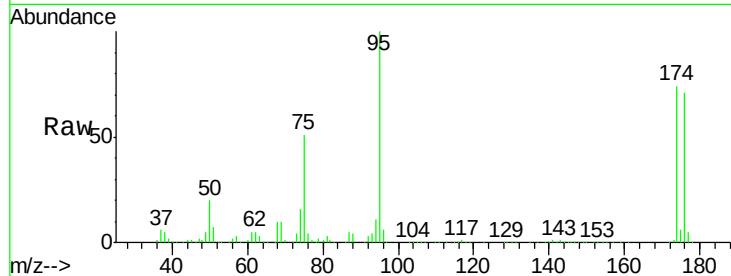




#62
 4-Bromofluorobenzene
 Concen: 45.777 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

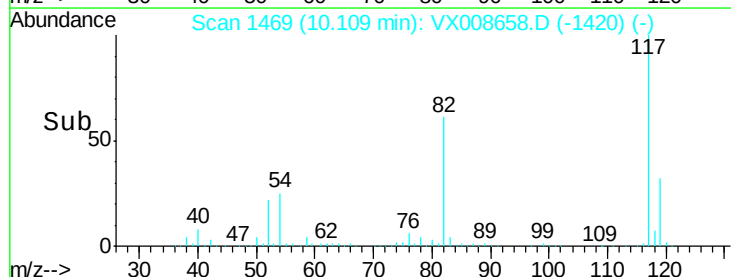
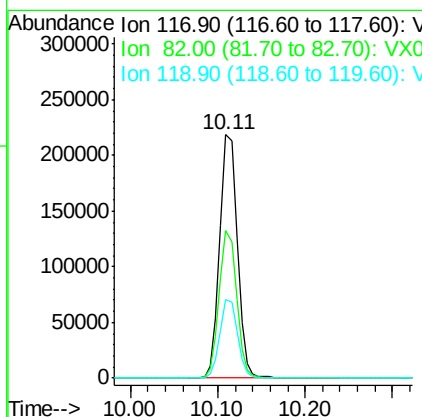
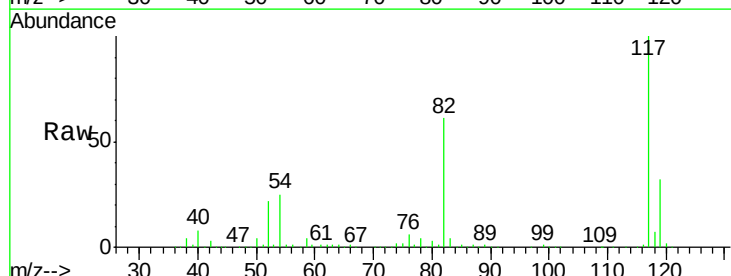
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW163-190402

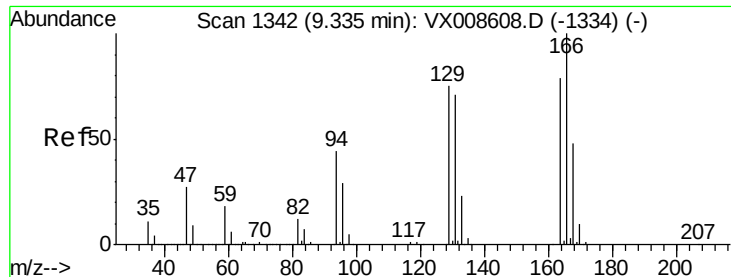
Tgt Ion: 95 Resp: 147722
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 151.8
 176 73.7 0.0 145.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX008658.D
 Acq: 05 Apr 2019 00:39

Tgt Ion: 117 Resp: 305604
 Ion Ratio Lower Upper
 117 100
 82 60.8 49.6 74.4
 119 32.1 25.0 37.4





#64

Tetrachloroethene

Concen: 41.349 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

ST006RW163-190402

Tgt Ion:164 Resp: 93623

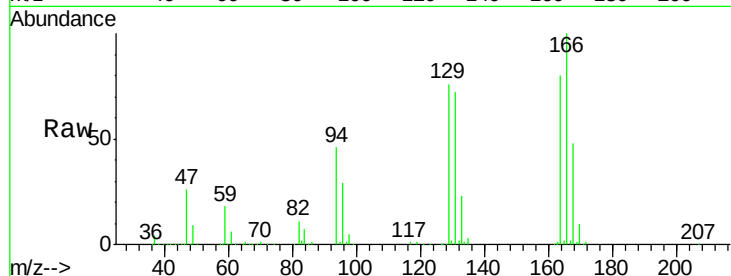
Ion Ratio Lower Upper

164 100

166 124.7 101.0 151.6

129 94.7 75.8 113.8

131 89.4 71.8 107.8

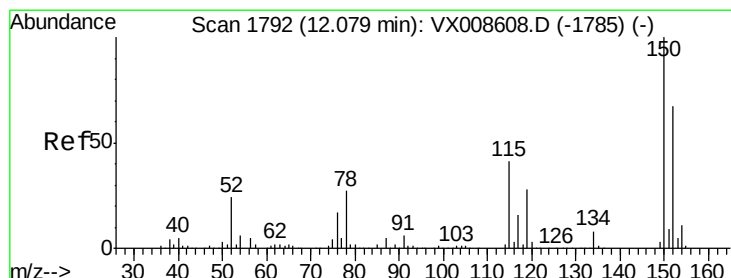
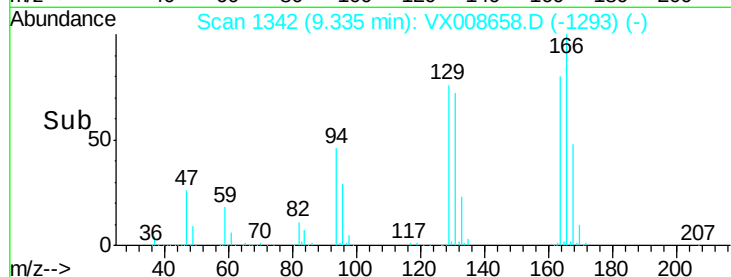
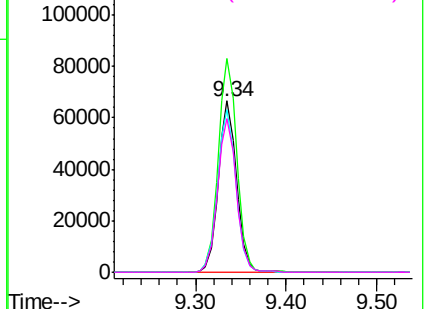


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

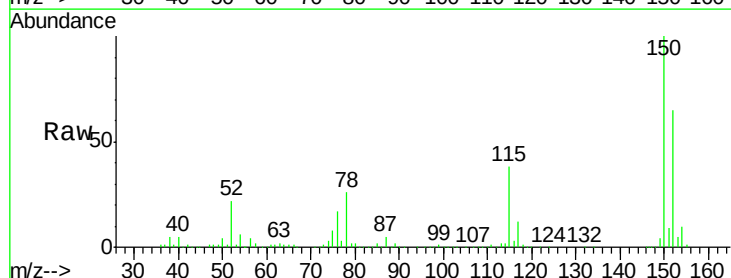
Tgt Ion:152 Resp: 124536

Ion Ratio Lower Upper

152 100

115 59.7 43.5 130.5

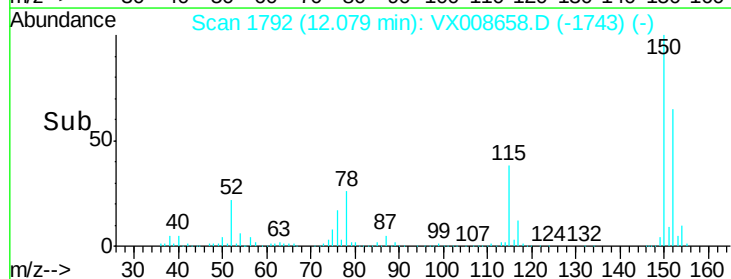
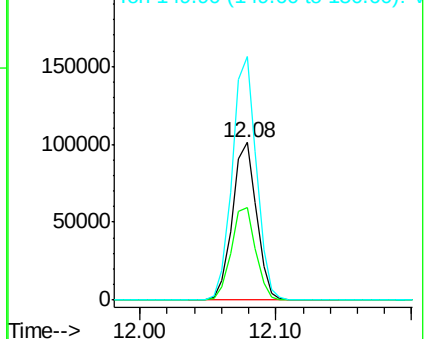
150 154.6 0.0 348.8

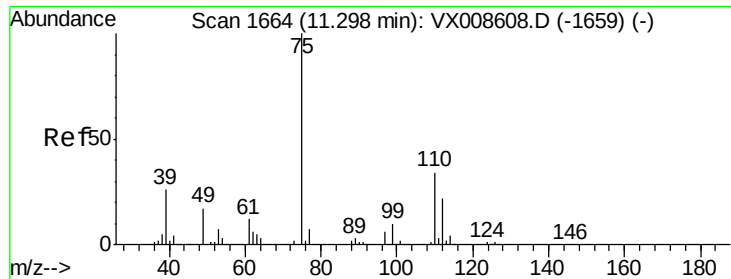


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.796 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Instrument :

MSVOA_X

ClientSampleId :

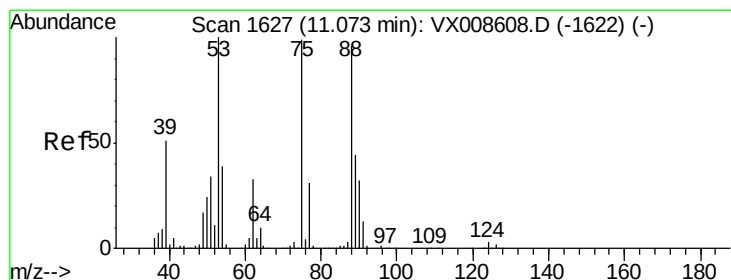
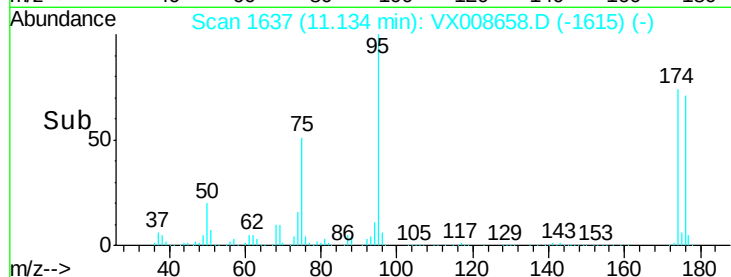
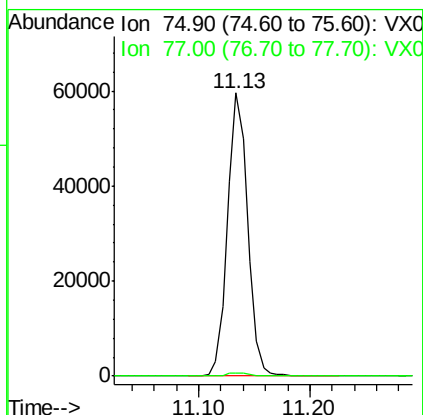
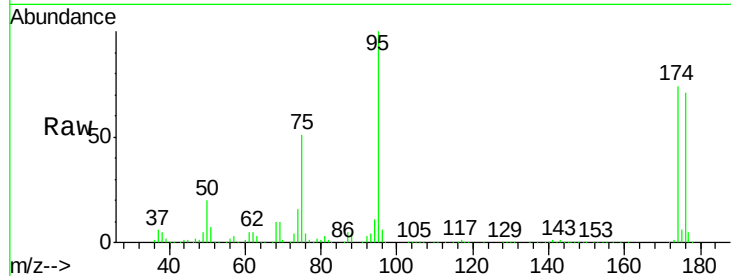
ST006RW163-190402

Tgt Ion: 75 Resp: 74567

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008658.D

Acq: 05 Apr 2019 00:39

Tgt Ion: 75 Resp: 74567

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

