

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050319\
 Data File : VX009316.D
 Acq On : 03 May 2019 17:50
 Operator : JC/SP
 Sample : K2662-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY105MW006-190430

Quant Time: May 03 23:19:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	193408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	312781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117688	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	127975	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	5.50	113	95063	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.71	98	389600	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.13	95	131182	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

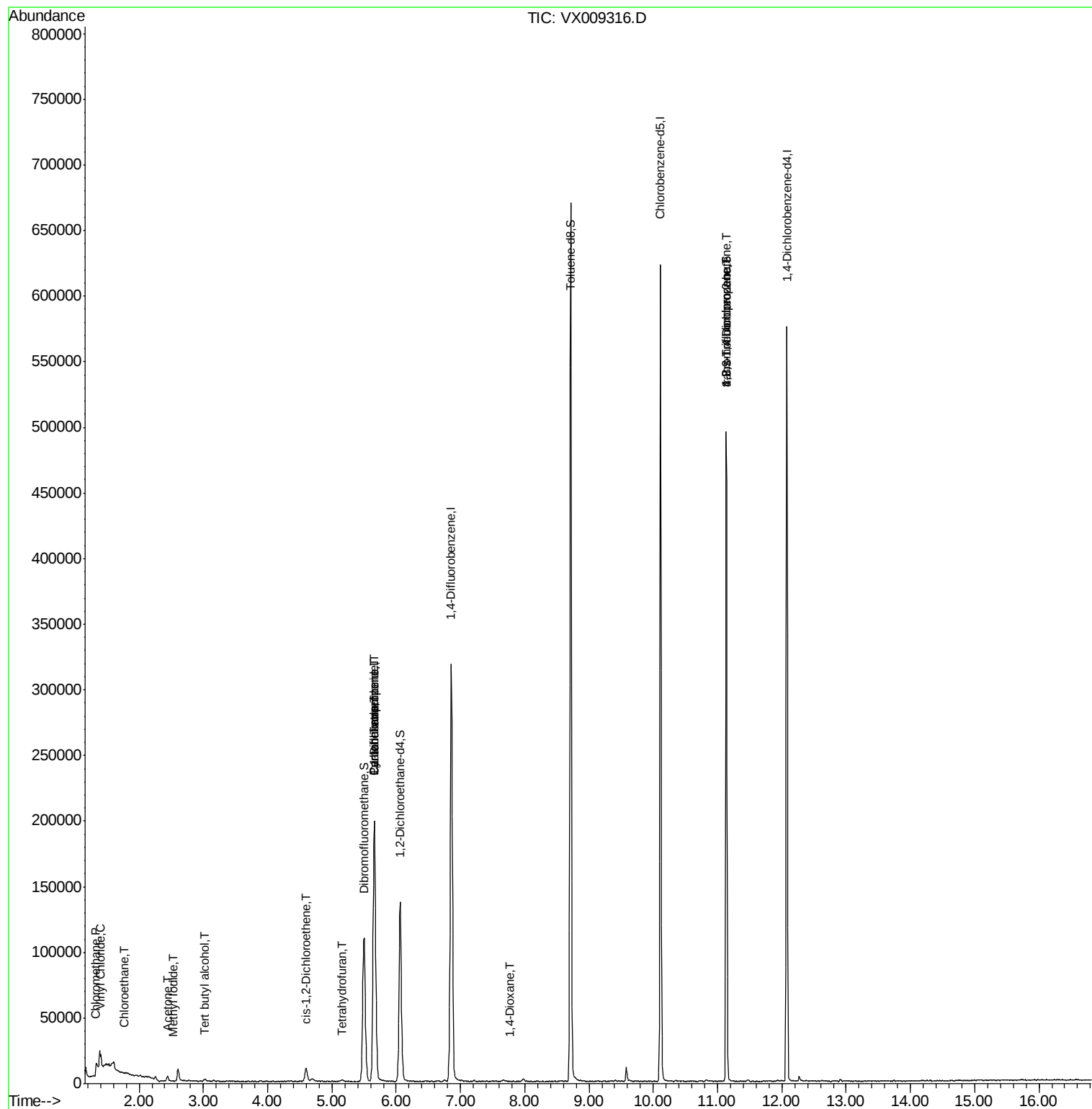
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1695	0.697	ug/l #	85
4) Vinyl Chloride	1.41	62	5643	2.378	ug/l	96
6) Chloroethane	1.77	64	1267	0.832	ug/l #	54
10) Methyl Iodide	2.53	142	178	4.671	ug/l #	58
11) Tert butyl alcohol	3.02	59	598	0.978	ug/l	95
16) Acetone	2.45	43	4804	3.389	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	6293	2.679	ug/l	86
28) Bromochloromethane	5.01	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.16	42	1336	0.942	ug/l #	71
31) Cyclohexane	5.66	56	4404	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14608	5.026	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18401	6.968	ug/l #	16
49) 1,4-Dioxane	7.77	88	19	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66695	24.431	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66695	62.510	ug/l #	10

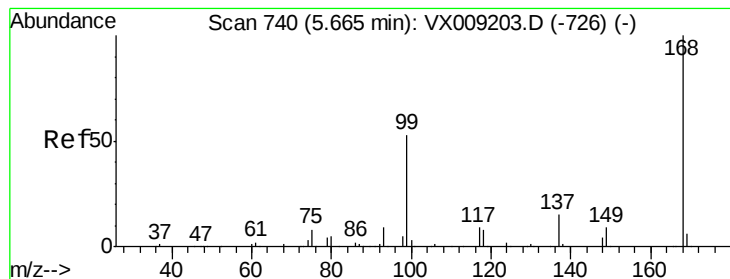
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009316.D

Acq: 03 May 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

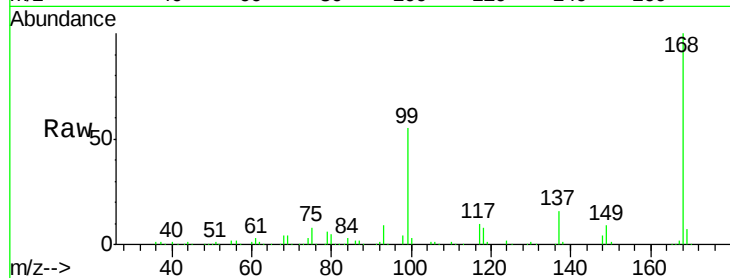
KY105MW006-190430

Tot Ion:168 Resp: 193408

Ion Ratio Lower Upper

168 100

99 55.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

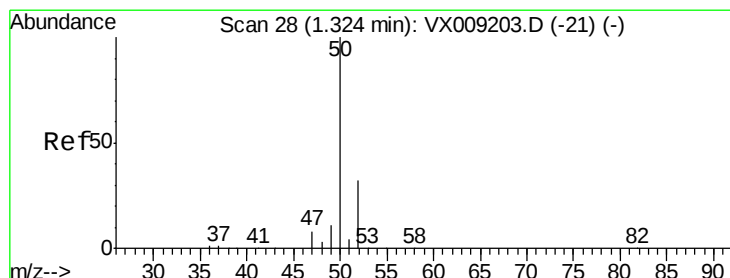
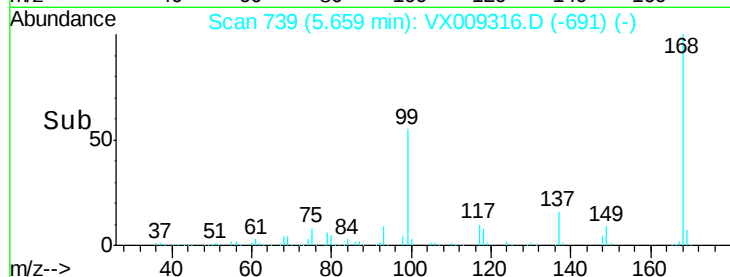
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.697 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009316.D

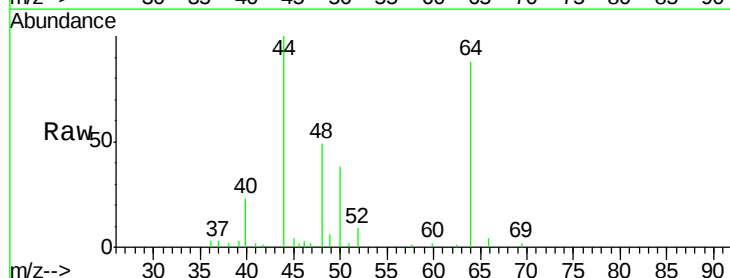
Acq: 03 May 2019 17:50

Tgt Ion: 50 Resp: 1695

Ion Ratio Lower Upper

50 100

52 24.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

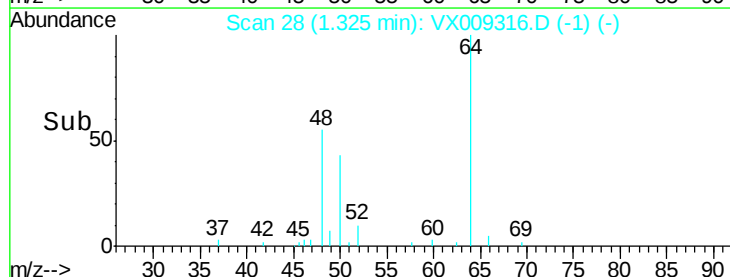
1500

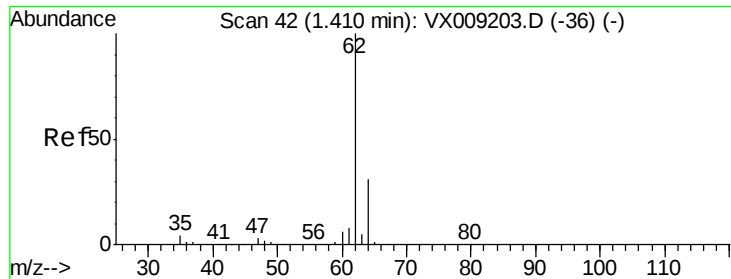
1000

500

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 2.378 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

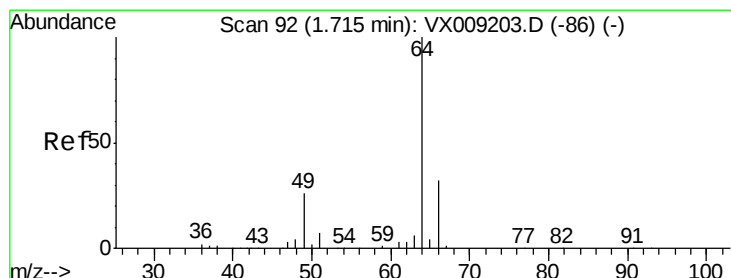
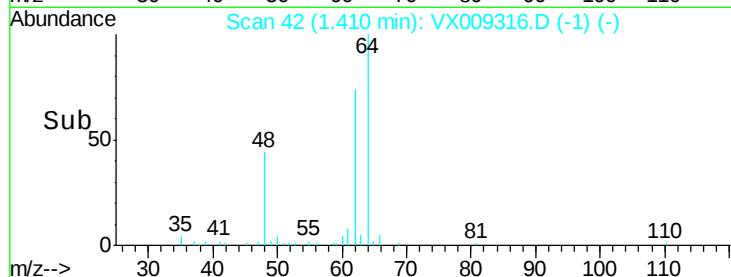
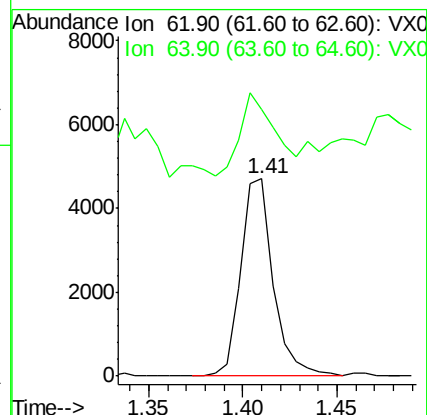
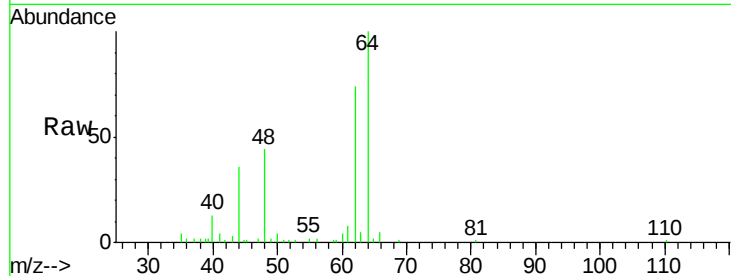
KY105MW006-190430

Tot Ion: 62 Resp: 5643

Ion Ratio Lower Upper

62 100

64 28.6 24.6 36.8



#6

Chloroethane

Concen: 0.832 ug/l

RT: 1.77 min Scan# 101

Delta R.T. 0.05 min

Lab File: VX009316.D

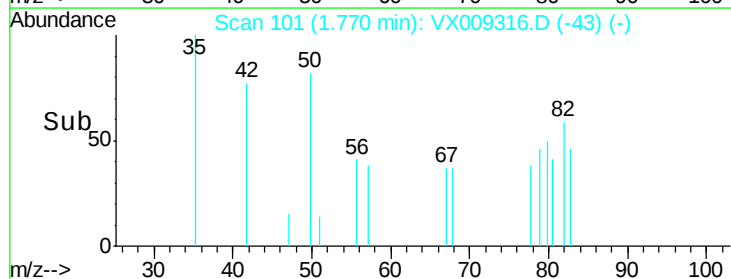
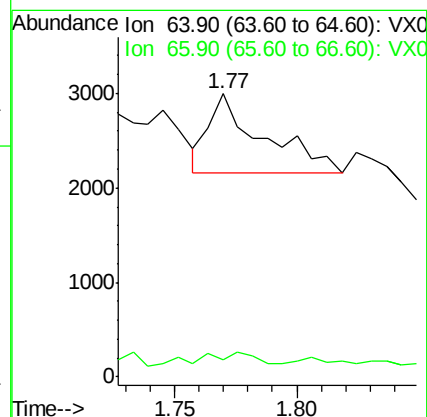
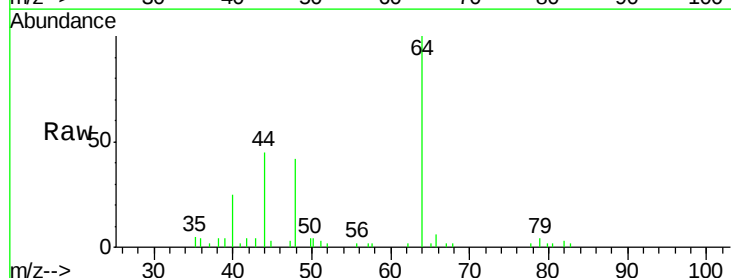
Acq: 03 May 2019 17:50

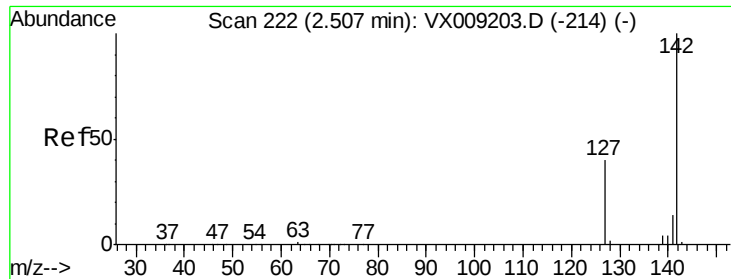
Tgt Ion: 64 Resp: 1267

Ion Ratio Lower Upper

64 100

66 6.4 25.3 37.9#

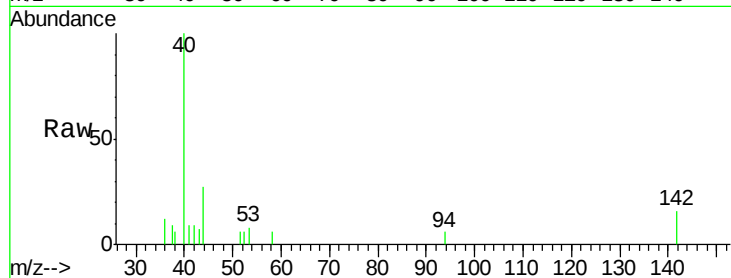




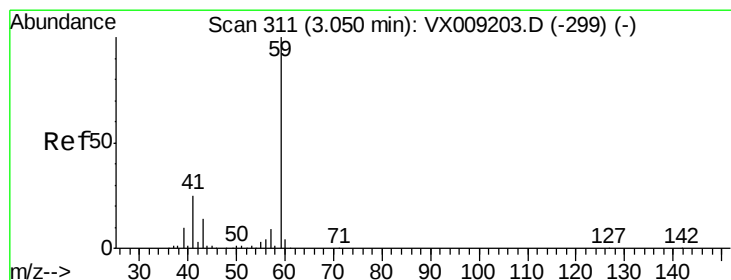
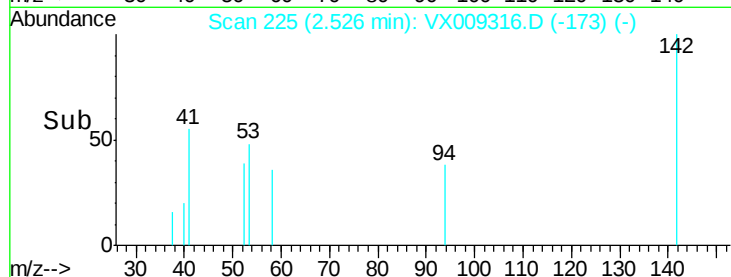
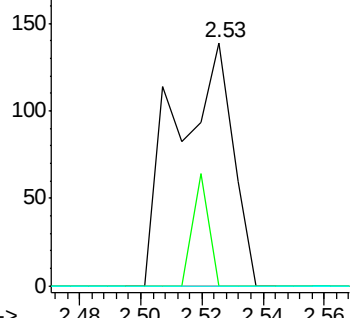
#10
Methvl Iodide
Concen: 4.671 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009316.D
Acq: 03 May 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
KY105MW006-190430

Tot Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
127 12.9 32.7 49.1#
141 0.0 11.5 17.3#

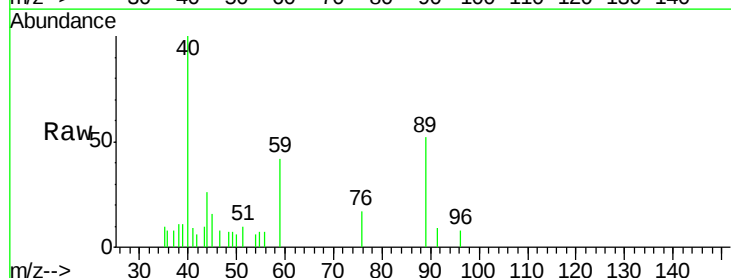


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

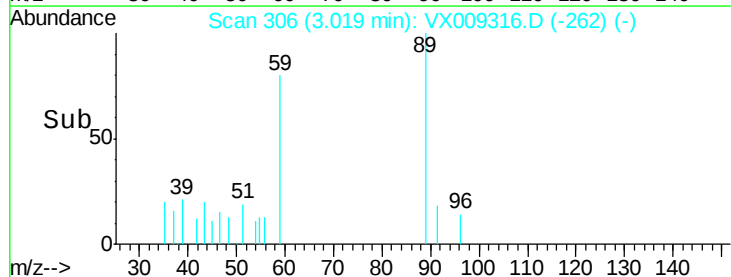
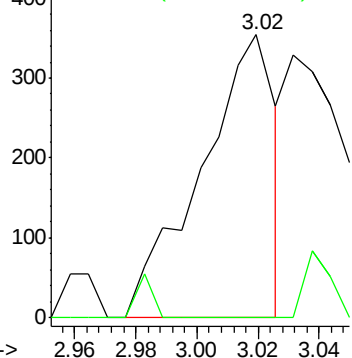


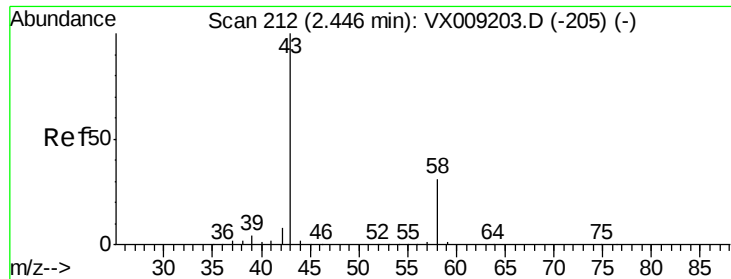
#11
Tert butyl alcohol
Concen: 0.978 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009316.D
Acq: 03 May 2019 17:50

Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 8.4 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.389 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

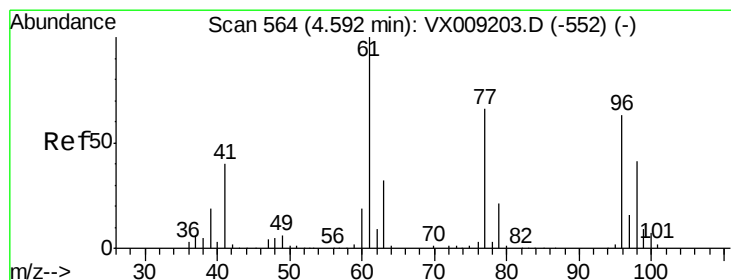
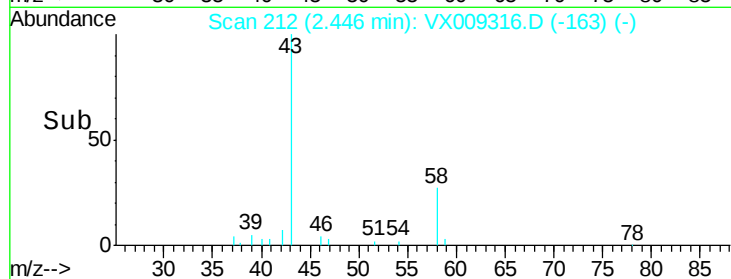
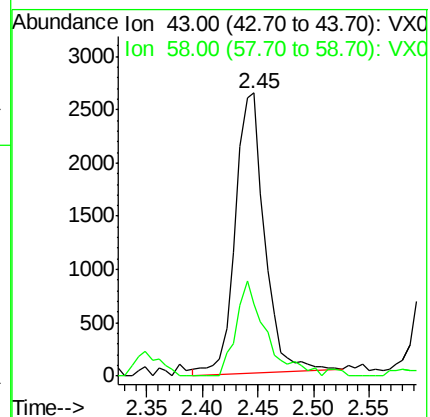
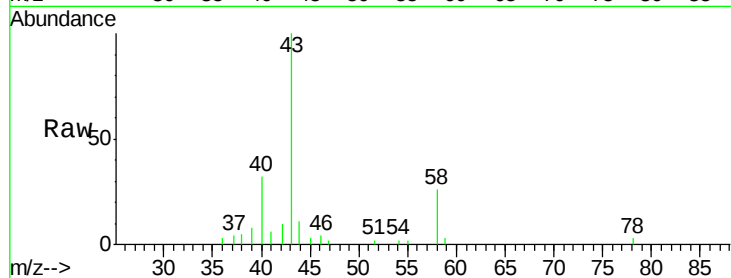
KY105MW006-190430

Tot Ion: 43 Resp: 4804

Ion Ratio Lower Upper

43 100

58 26.1 24.9 37.3



#27

cis-1,2-Dichloroethene

Concen: 2.679 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

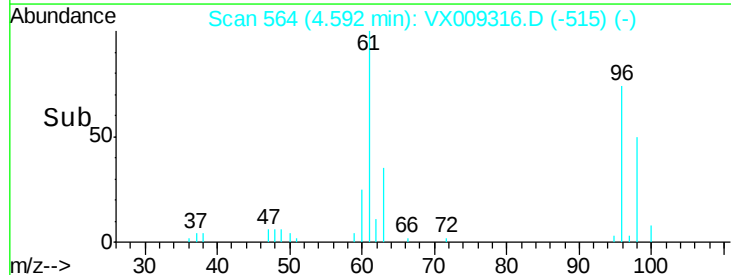
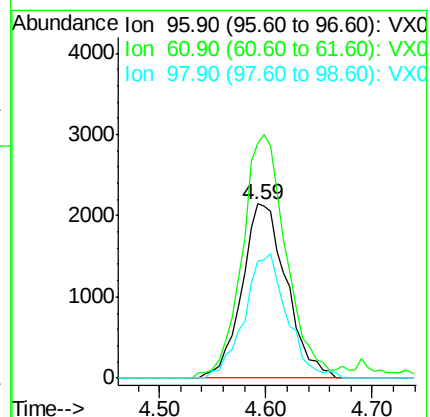
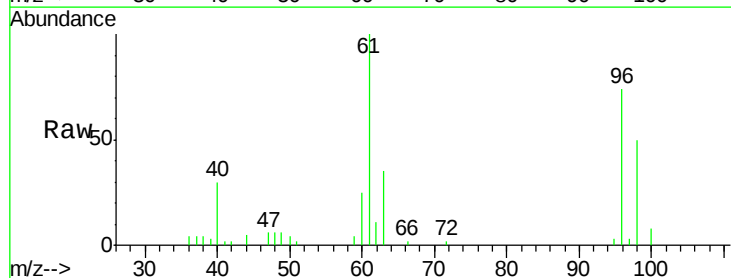
Tgt Ion: 96 Resp: 6293

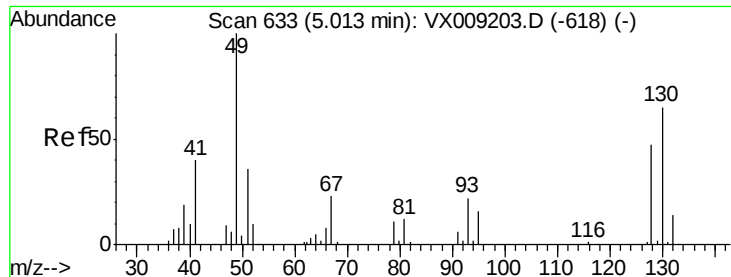
Ion Ratio Lower Upper

96 100

61 138.0 0.0 324.0

98 68.4 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

KY105MW006-190430

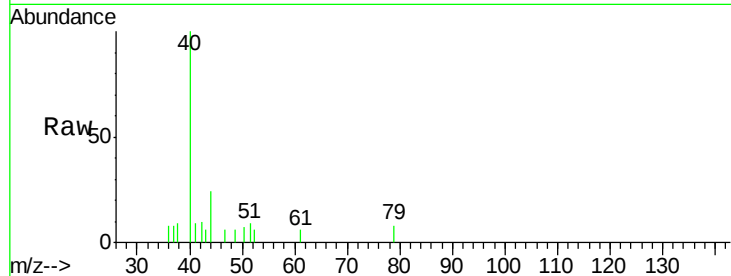
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

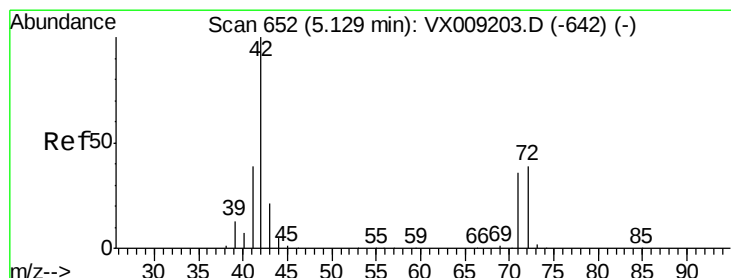
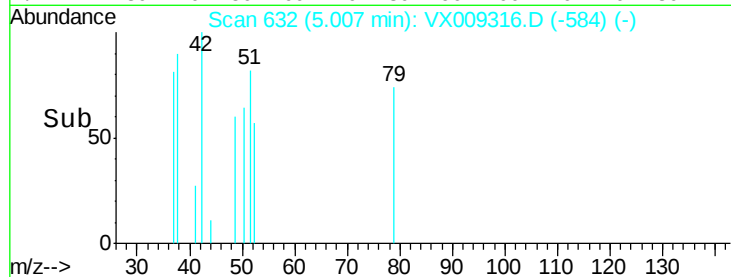
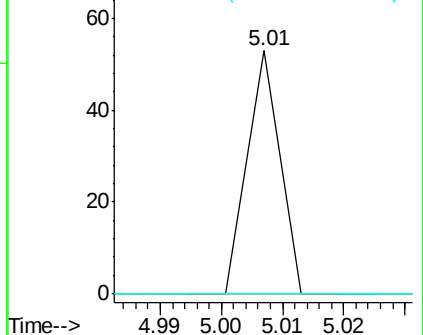
130 0.0 51.2 76.8#



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



#29

Tetrahydrofuran

Concen: 0.942 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

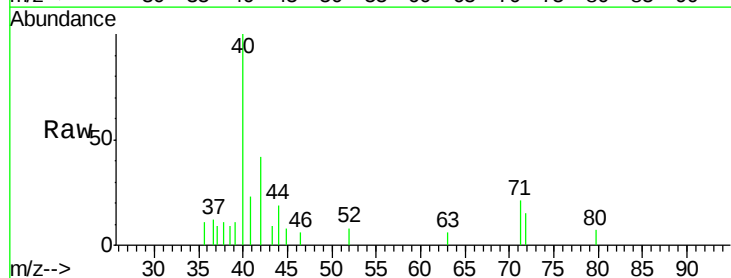
Tgt Ion: 42 Resp: 1336

Ion Ratio Lower Upper

42 100

72 20.1 30.4 45.6#

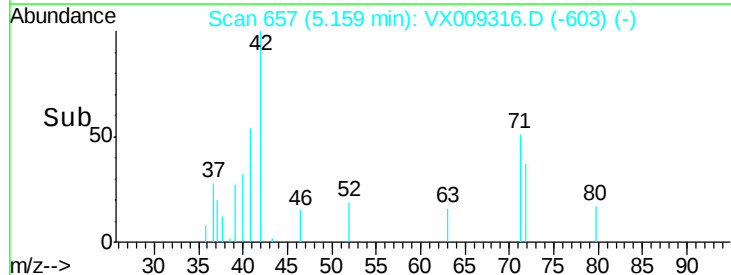
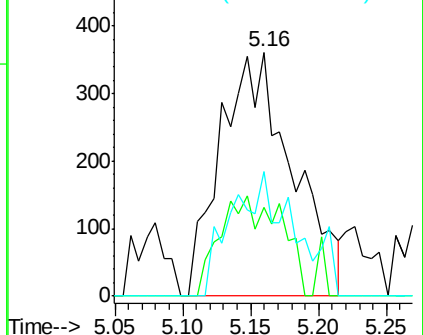
71 19.2 28.6 43.0#

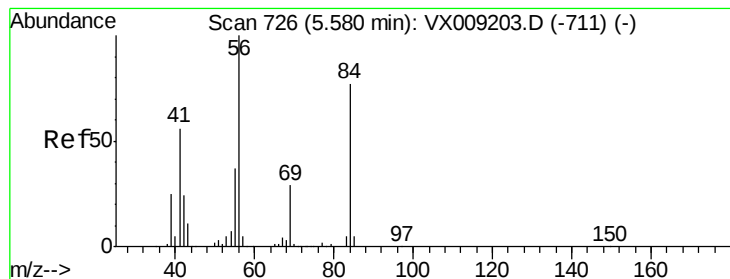


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.128 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

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KY105MW006-190430

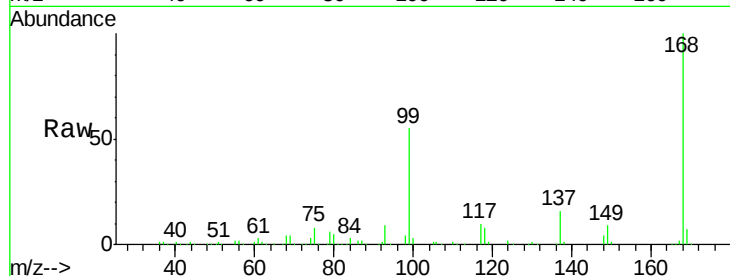
Tot Ion: 56 Resp: 4404

Ion Ratio Lower Upper

56 100

69 166.7 23.4 35.0#

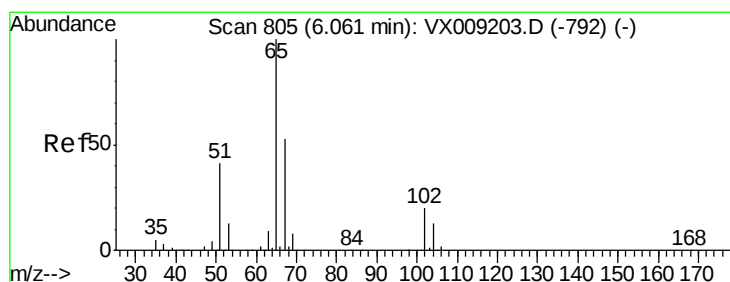
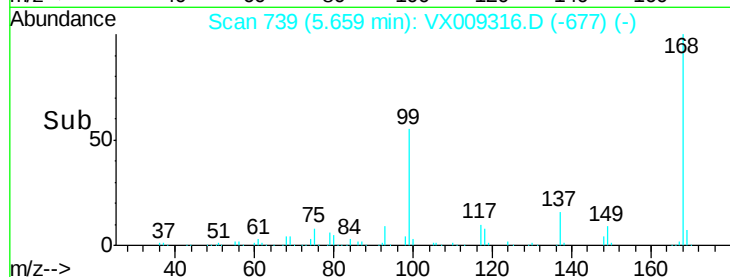
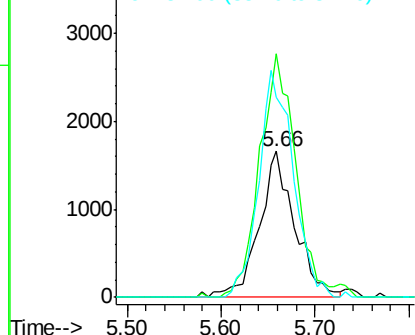
84 137.3 61.9 92.9#



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: 48.471 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009316.D

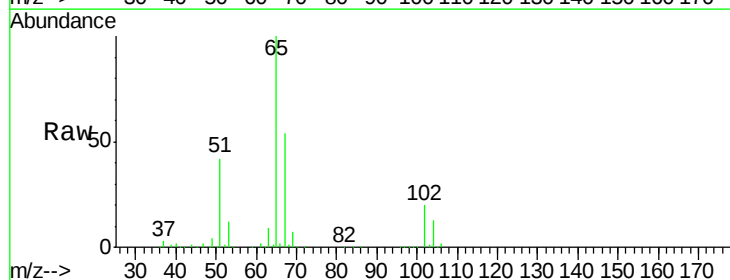
Acq: 03 May 2019 17:50

Tgt Ion: 65 Resp: 127975

Ion Ratio Lower Upper

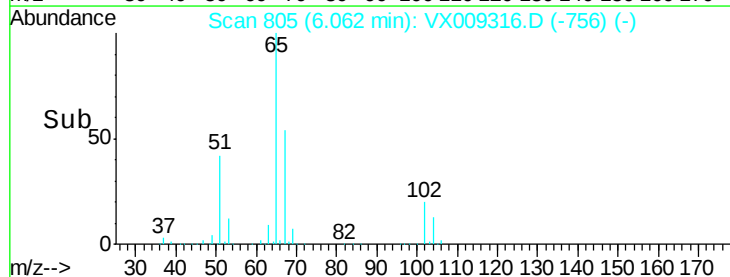
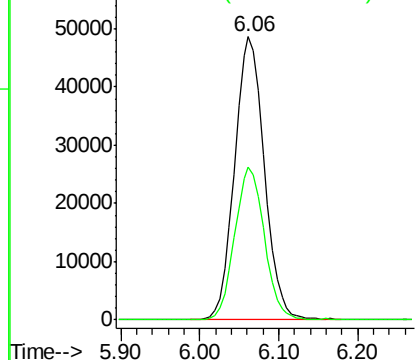
65 100

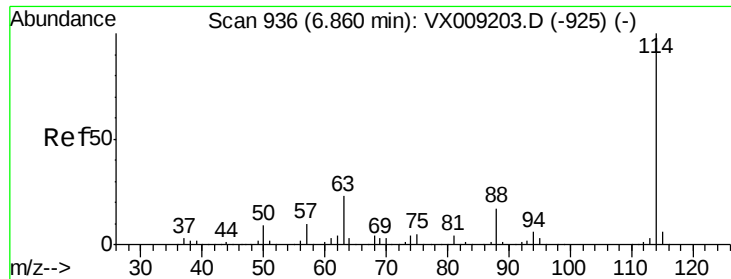
67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

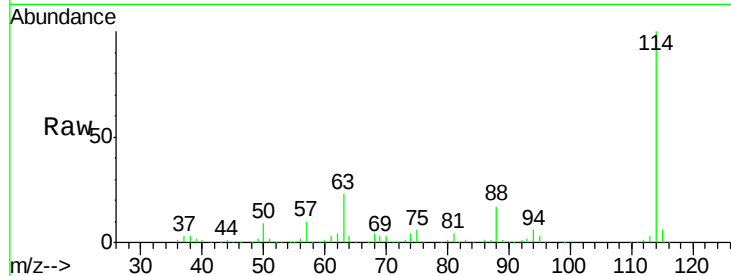




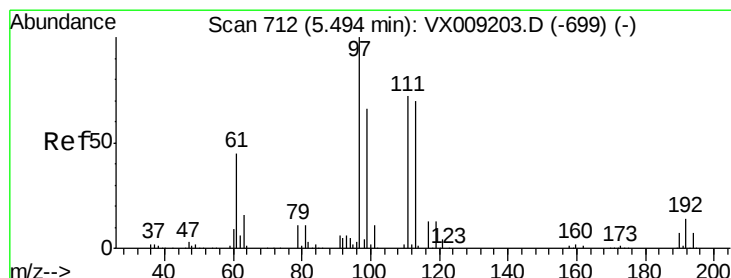
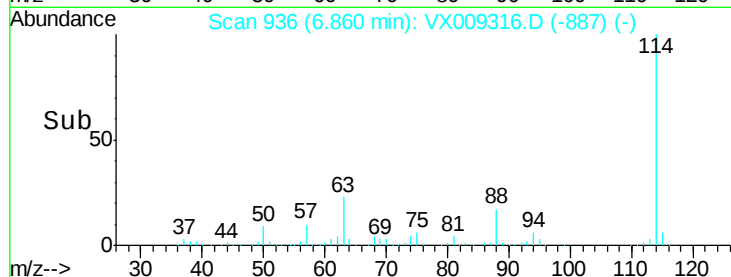
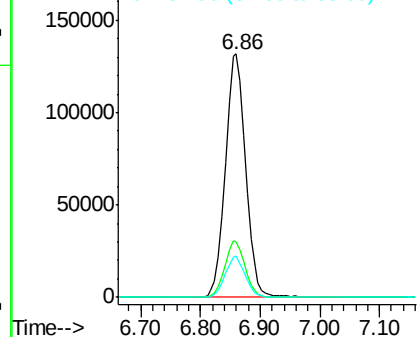
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009316.D
 Acq: 03 May 2019 17:50

Instrument :
 MSVOA_X
 ClientSampleId :
 KY105MW006-190430

Tot Ion:114 Resp: 312781
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 17.0 0.0 33.2

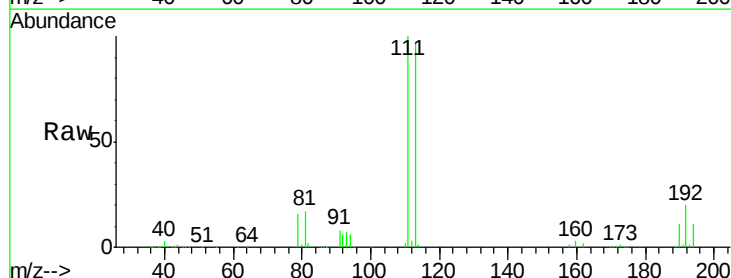


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

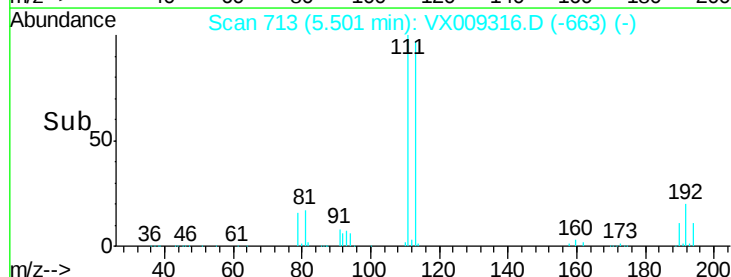
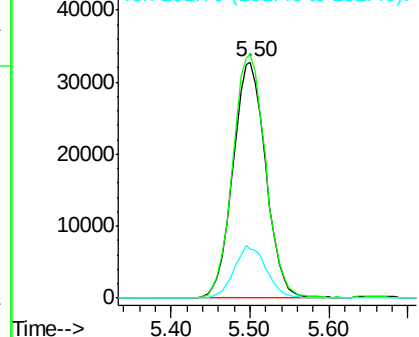


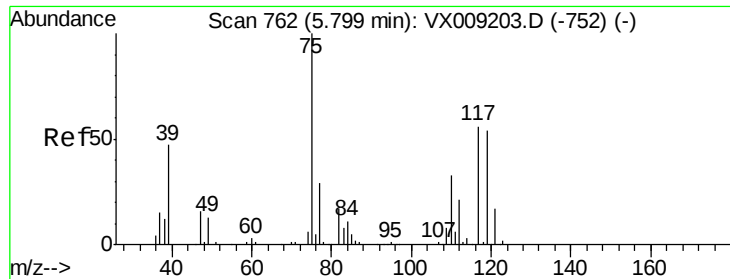
#35
 Dibromofluoromethane
 Concen: 48.347 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009316.D
 Acq: 03 May 2019 17:50

Tgt Ion:113 Resp: 95063
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.8 124.2
 192 21.8 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: 5.026 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

KY105MW006-190430

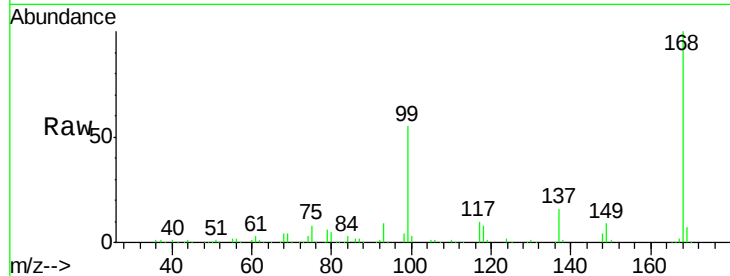
Tot Ion: 75 Resp: 14608

Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.6#

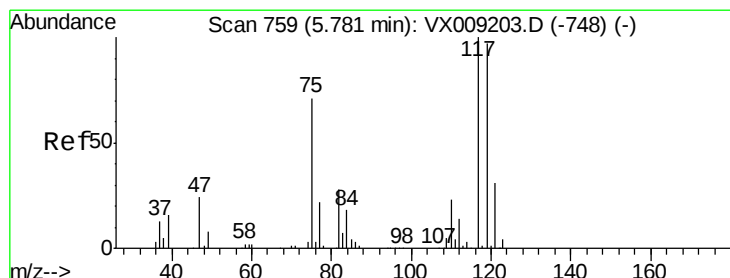
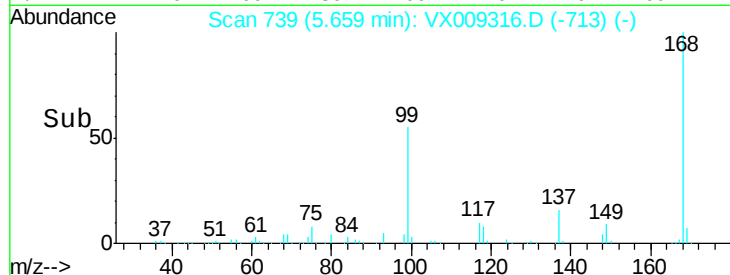
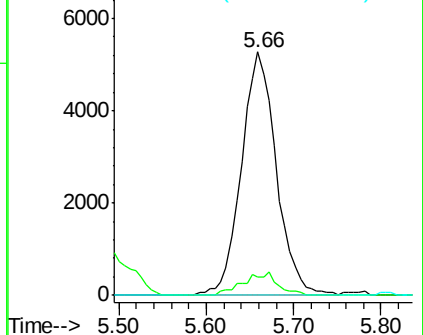
77 0.0 24.8 37.2#



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: 6.968 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

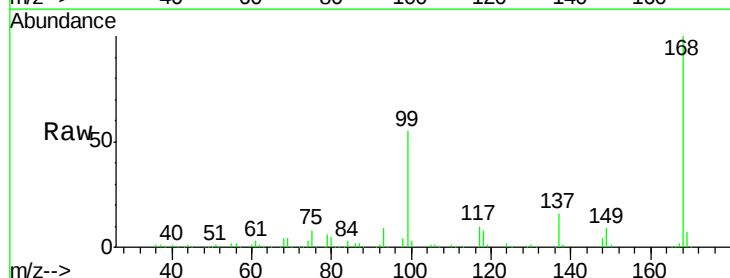
Tgt Ion: 117 Resp: 18401

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

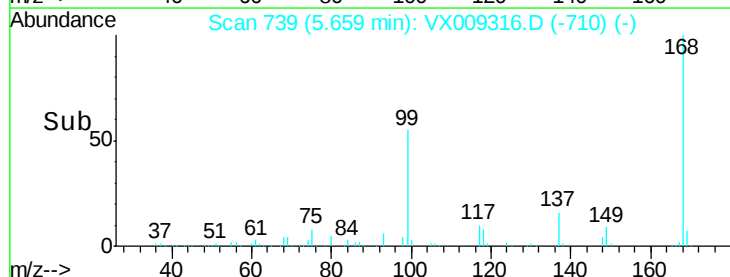
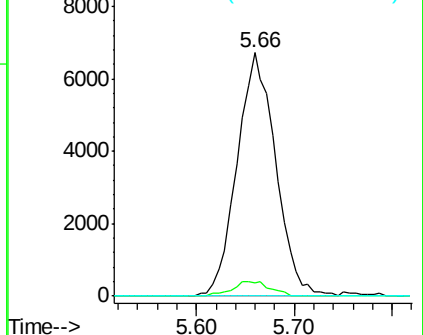
121 0.0 24.7 37.1#

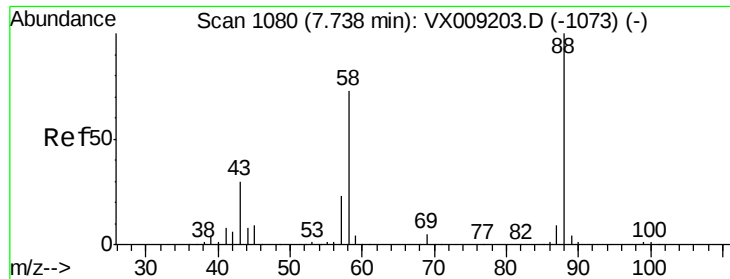


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

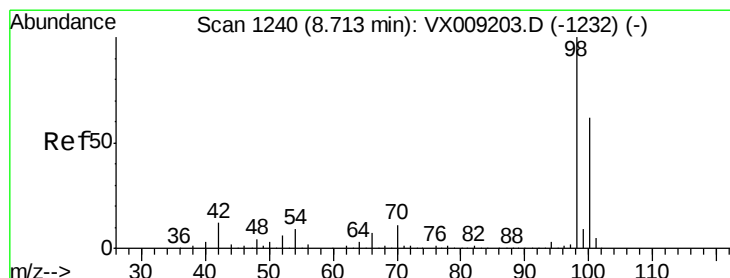
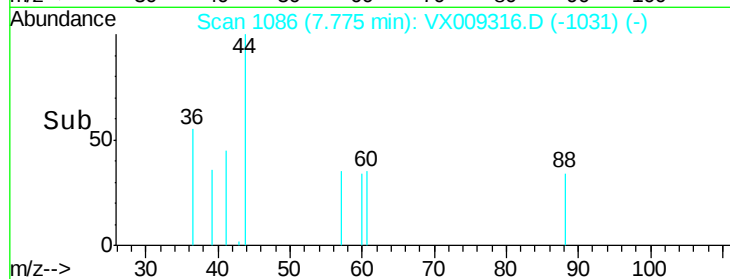
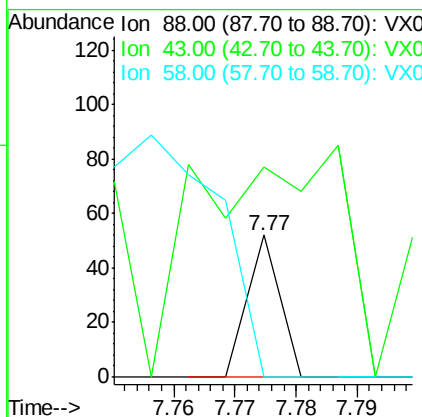
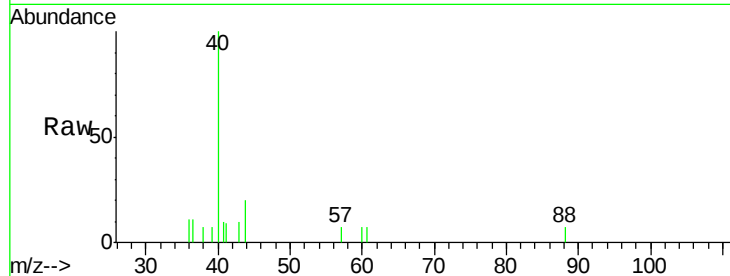




#49
 1,4-Dioxane
 Concen: 0.292 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.04 min
 Lab File: VX009316.D
 Acq: 03 May 2019 17:50

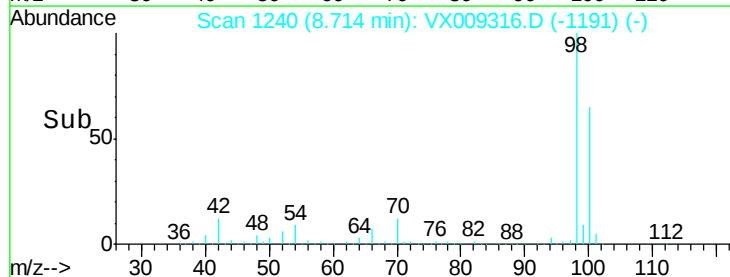
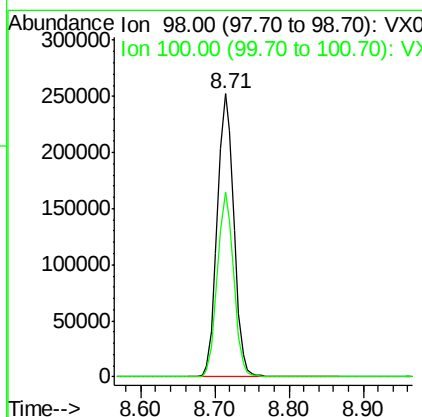
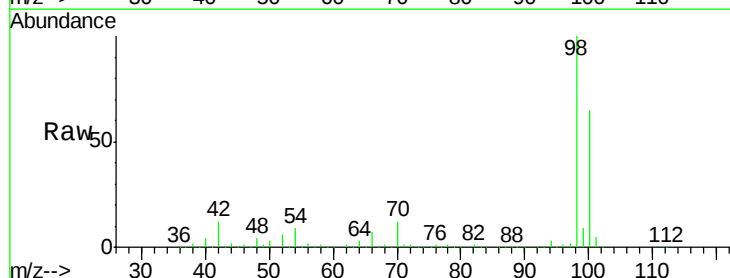
Instrument :
 MSVOA_X
 ClientSampleId :
 KY105MW006-190430

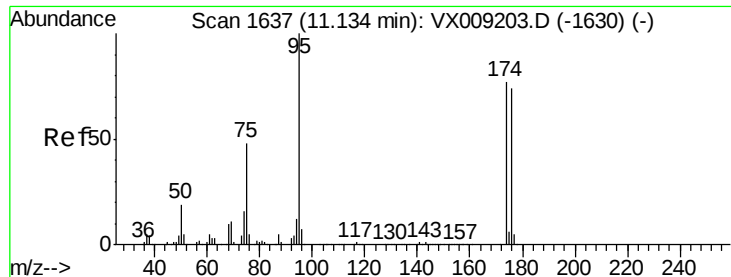
Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 705.3 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.078 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009316.D
 Acq: 03 May 2019 17:50

Tgt Ion: 98 Resp: 389600
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.2 76.8

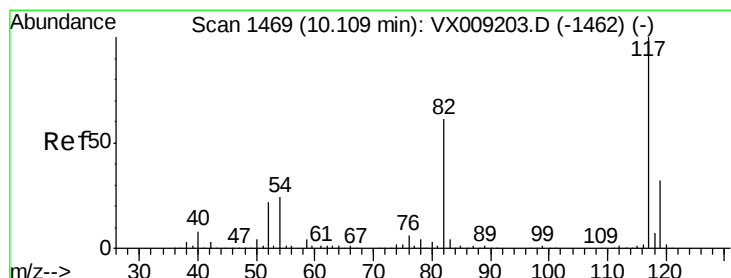
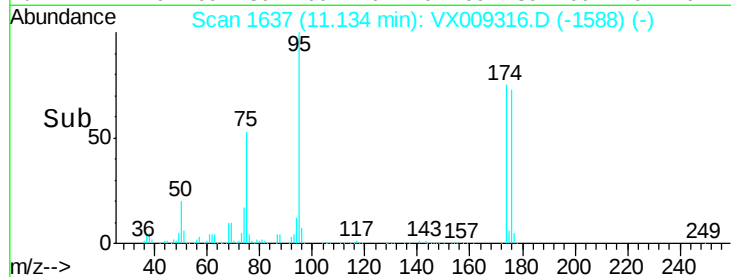
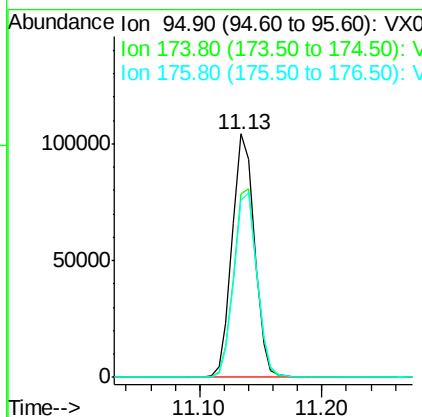
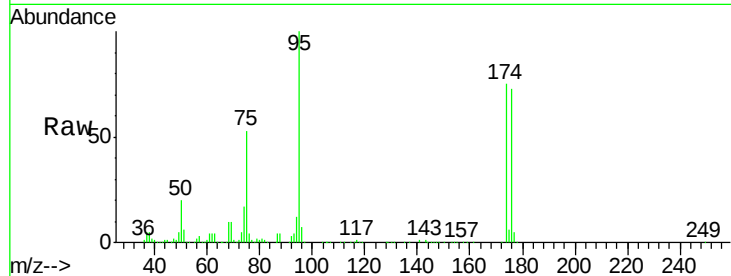




#62
4-Bromofluorobenzene
Concen: 45.479 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009316.D
Acq: 03 May 2019 17:50

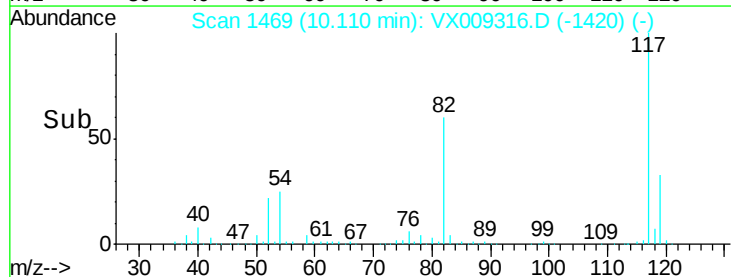
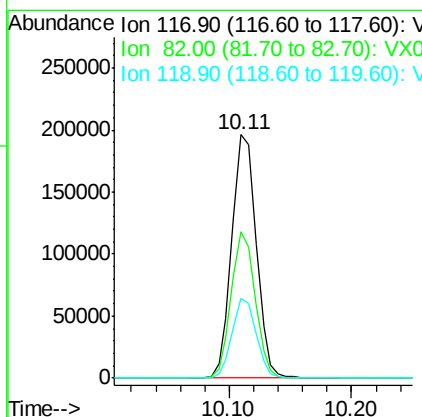
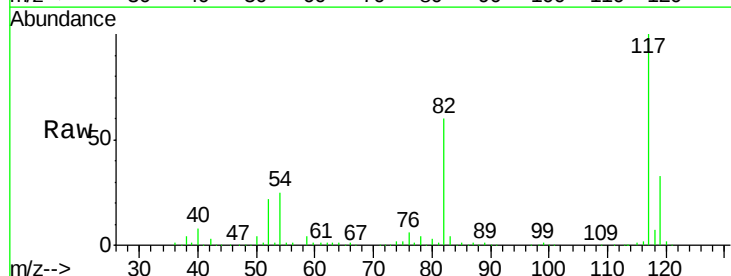
Instrument :
MSVOA_X
ClientSampleId :
KY105MW006-190430

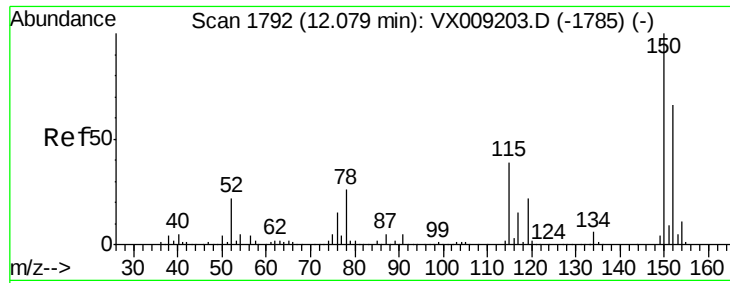
Tot Ion: 95 Resp: 131182
Ion Ratio Lower Upper
95 100
174 79.7 0.0 161.6
176 78.2 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009316.D
Acq: 03 May 2019 17:50

Tgt Ion: 117 Resp: 271888
Ion Ratio Lower Upper
117 100
82 60.2 48.8 73.2
119 32.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

KY105MW006-190430

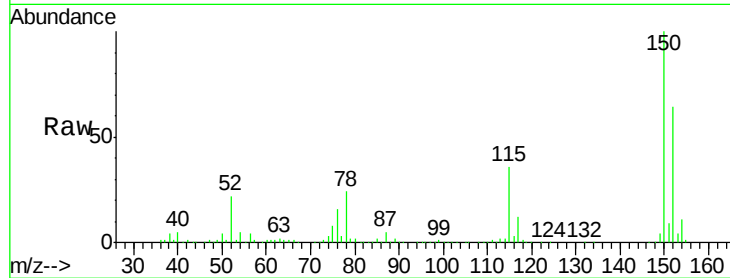
Tot Ion:152 Resp: 117688

Ion Ratio Lower Upper

152 100

115 58.0 41.2 123.6

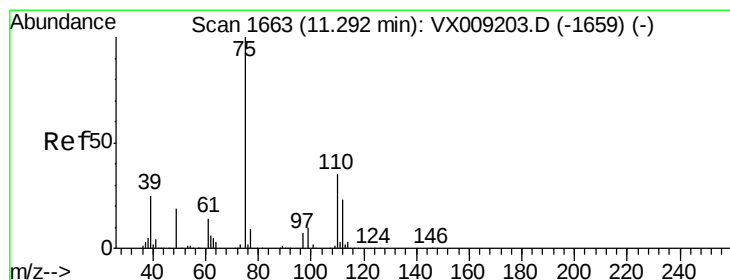
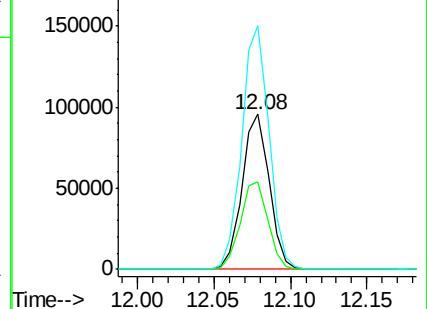
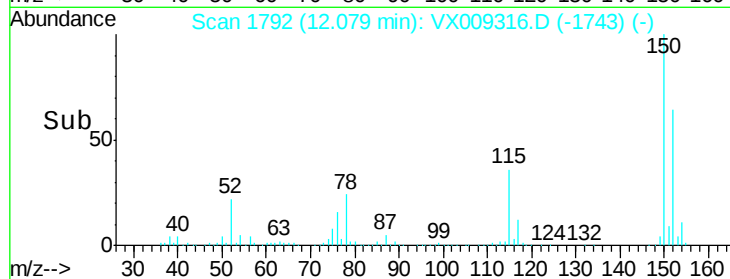
150 157.8 0.0 346.4



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: 24.431 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009316.D

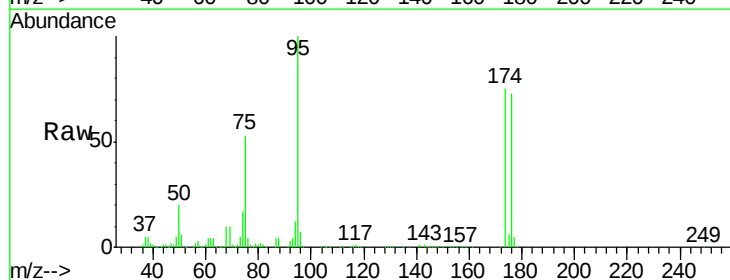
Acq: 03 May 2019 17:50

Tgt Ion: 75 Resp: 66695

Ion Ratio Lower Upper

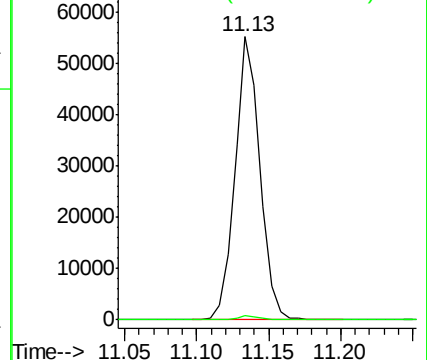
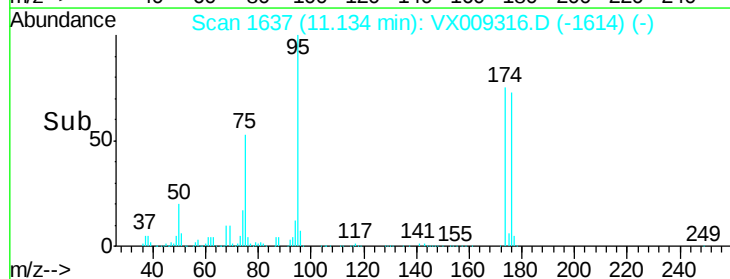
75 100

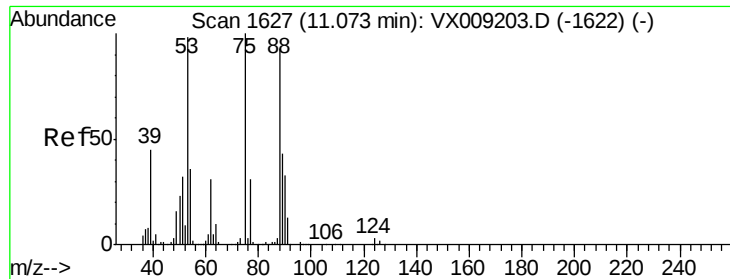
77 1.4 22.1 66.1#



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: 62.510 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009316.D

Acq: 03 May 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

KY105MW006-190430

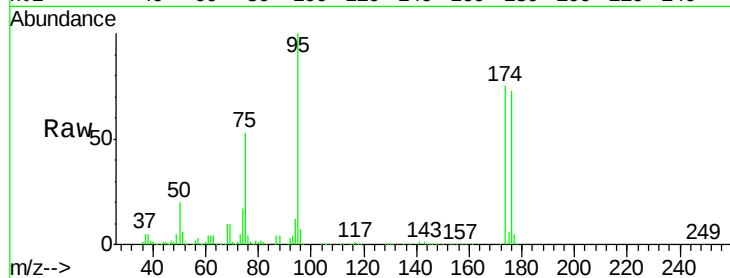
Tot Ion: 75 Resp: 66695

Ion Ratio Lower Upper

75 100

53 0.2 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

