

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009961.D
 Acq On : 30 May 2019 15:28
 Operator : JC/SP
 Sample : K3106-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-5-30-19

Quant Time: May 31 05:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110537	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	118132	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	85751	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	8.71	98	350650	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	117451	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	

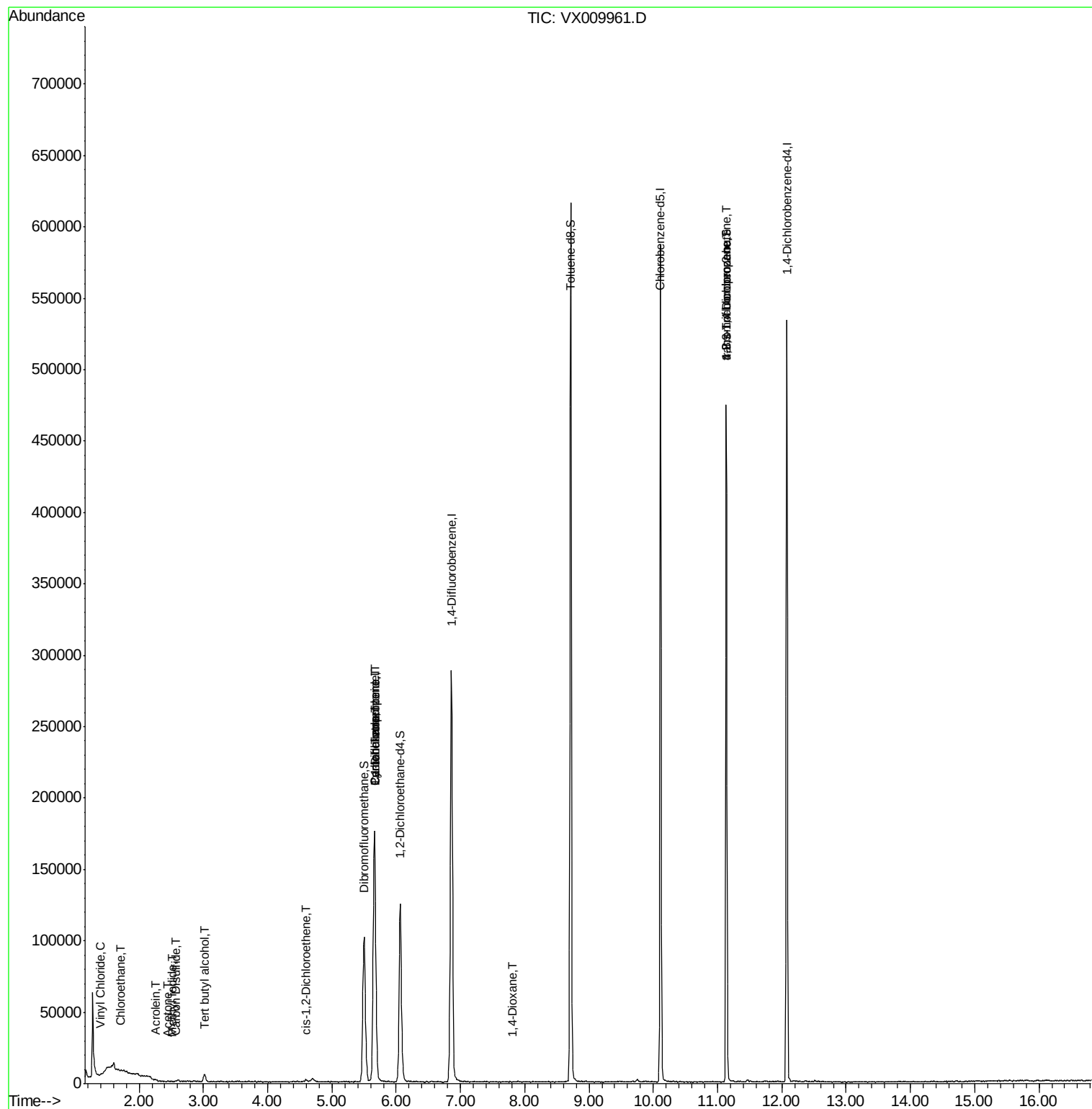
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	620	0.246	ug/l #	1
6) Chloroethane	1.71	64	436	0.281	ug/l #	43
10) Methyl Iodide	2.52	142	142	4.719	ug/l #	42
11) Tert butyl alcohol	3.02	59	3286	5.556	ug/l #	82
13) Acrolein	2.26	56	61	21.230	ug/l #	1
16) Acetone	2.44	43	998	0.719	ug/l #	65
17) Carbon Disulfide	2.57	76	985	0.572	ug/l #	78
27) cis-1,2-Dichloroethene	4.59	96	512	0.231	ug/l	71
31) Cyclohexane	5.67	56	4014	1.098	ug/l #	6
36) 1,1-Dichloropropene	5.66	75	13755	4.932	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16074	6.670	ug/l #	17
49) 1,4-Dioxane	7.81	88	63	1.091	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	62624	23.692	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62624	58.617	ug/l #	10

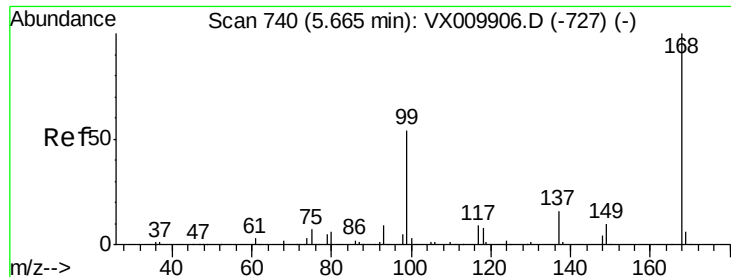
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

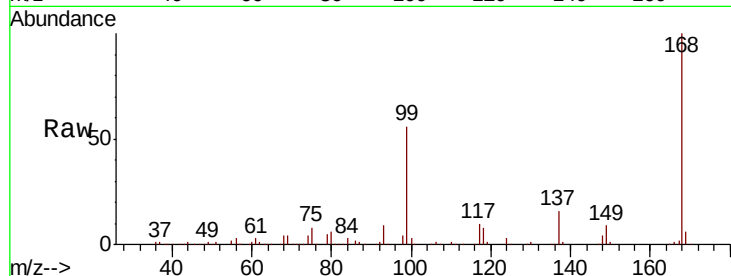
TB-5-30-19

Tot Ion:168 Resp: 170125

Ion Ratio Lower Upper

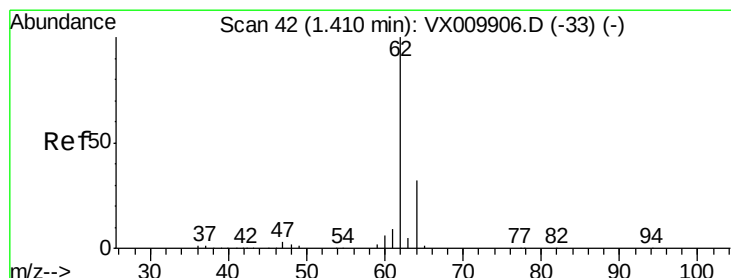
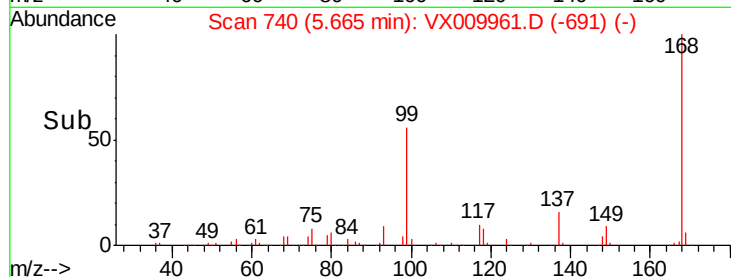
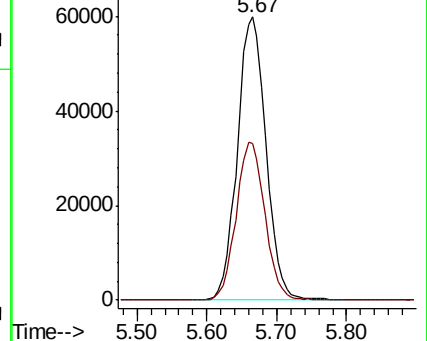
168 100

99 55.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.246 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009961.D

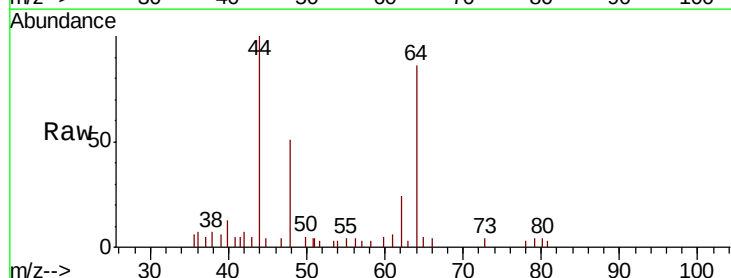
Acq: 30 May 2019 15:28

Tgt Ion: 62 Resp: 620

Ion Ratio Lower Upper

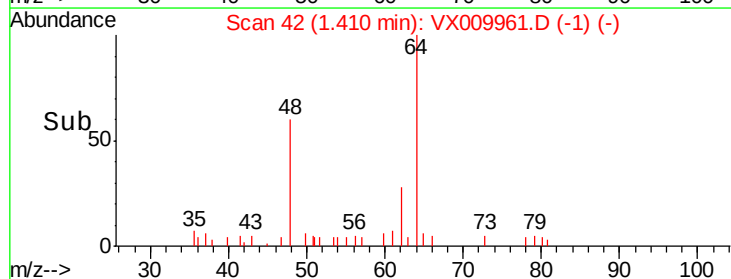
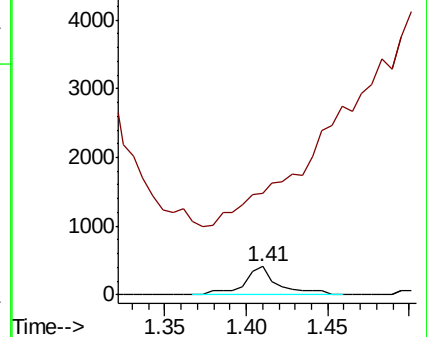
62 100

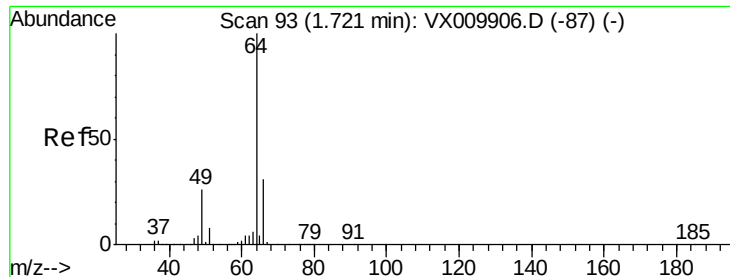
64 97.6 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 0.281 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

Instrument :

MSVOA_X

ClientSampled :

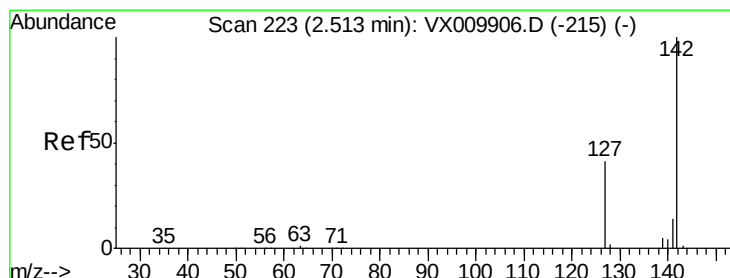
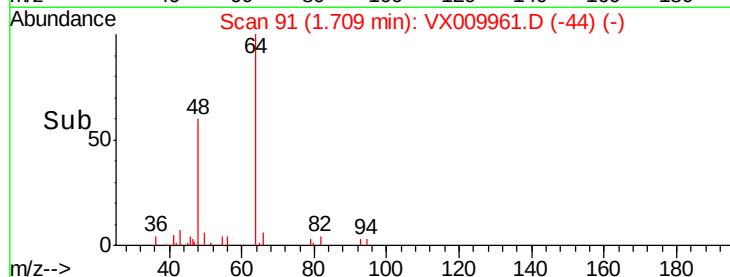
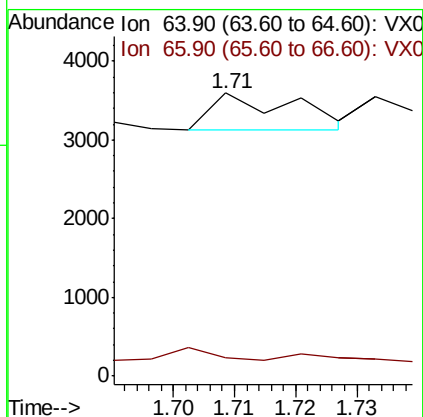
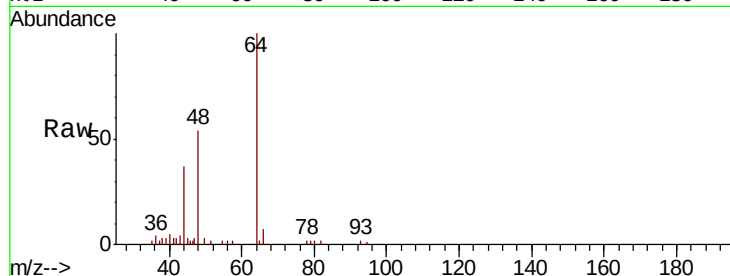
TB-5-30-19

Tot Ion: 64 Resp: 436

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#10

Methyl Iodide

Concen: 4.719 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

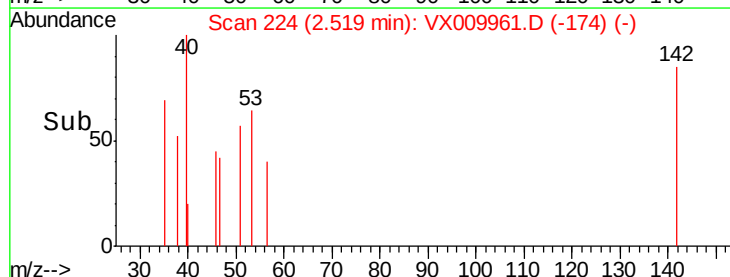
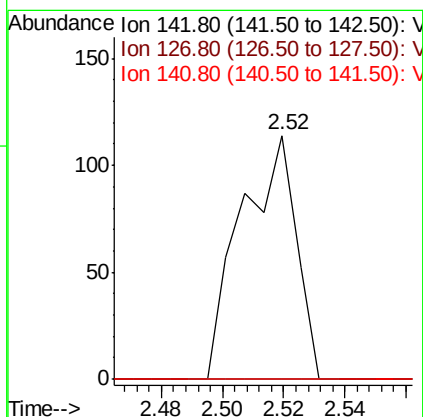
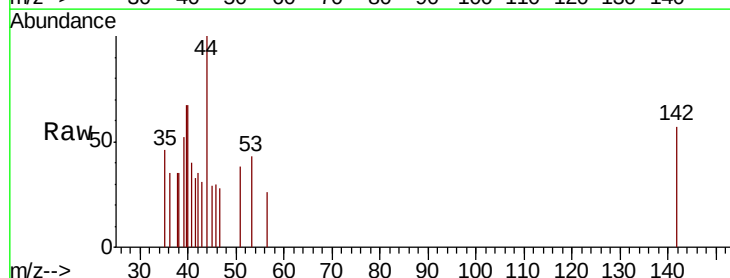
Tgt Ion: 142 Resp: 142

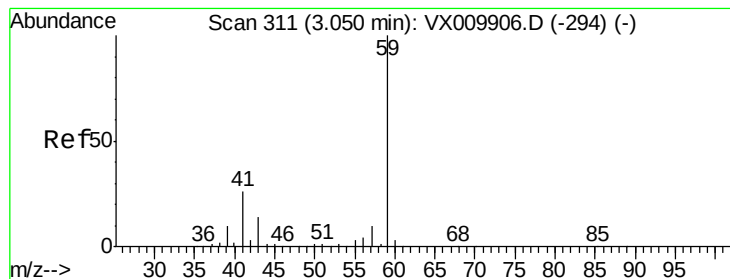
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

141 0.0 11.4 17.0#



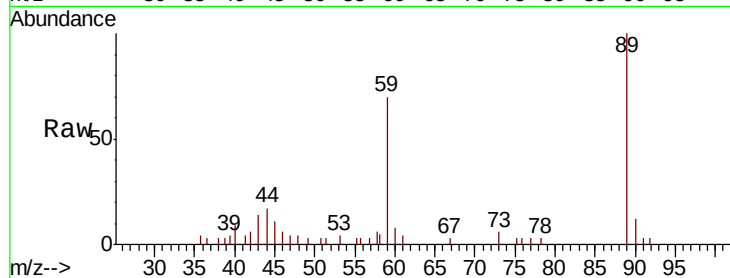


#11

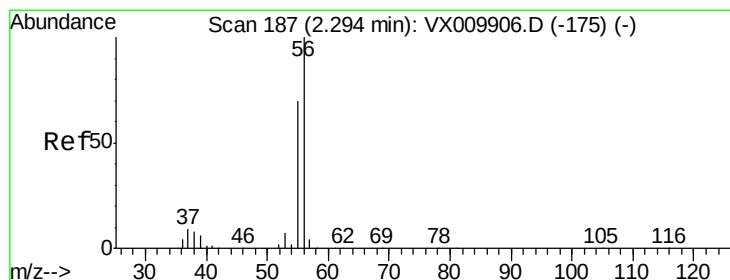
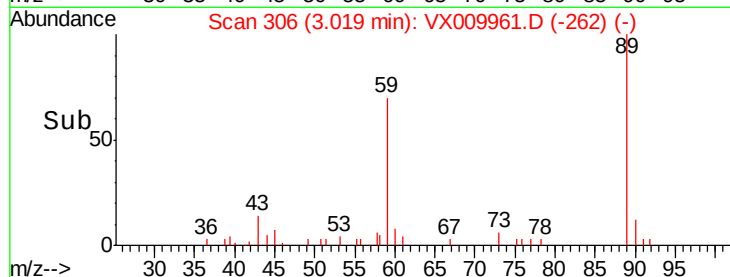
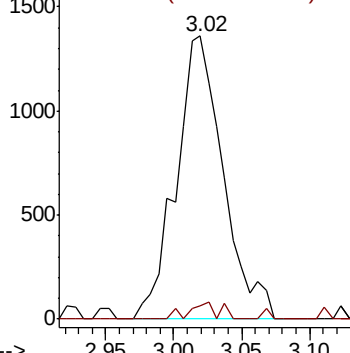
Tert butyl alcohol
 Concen: 5.556 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX009961.D
 Acq: 30 May 2019 15:28

Instrument :
 MSVOA_X
 ClientSampled :
 TB-5-30-19

Tot Ion: 59 Resp: 3286
 Ion Ratio Lower Upper
 59 100
 57 3.6 8.2 12.2#



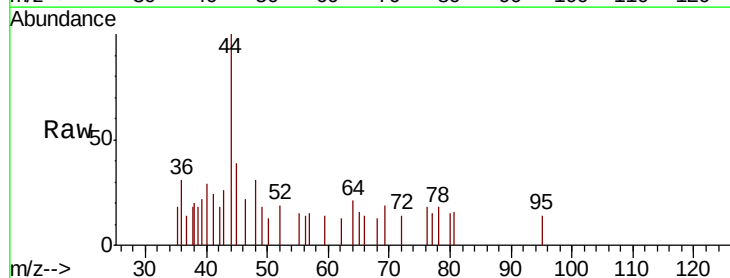
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



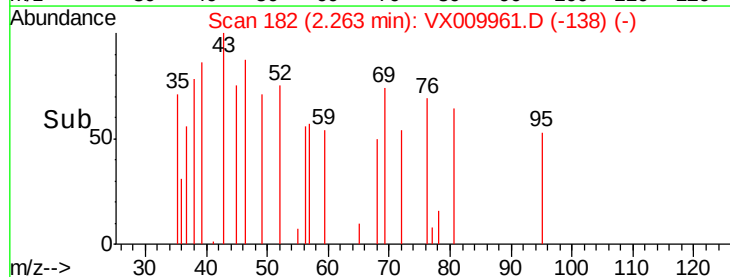
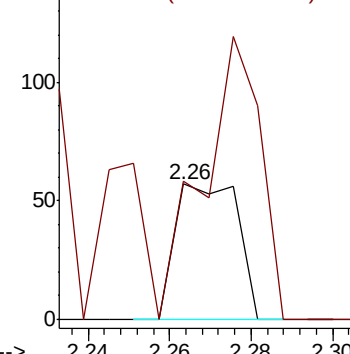
#13

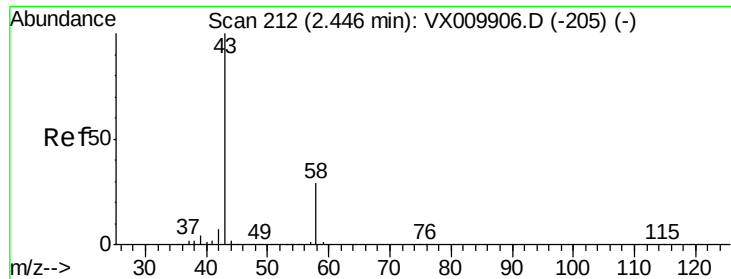
Acrolein
 Concen: 21.230 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX009961.D
 Acq: 30 May 2019 15:28

Tgt Ion: 56 Resp: 61
 Ion Ratio Lower Upper
 56 100
 55 190.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.719 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

Instrument :

MSVOA_X

ClientSampled :

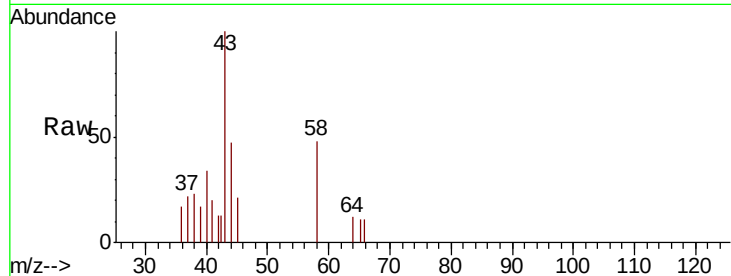
TB-5-30-19

Tot Ion: 43 Resp: 998

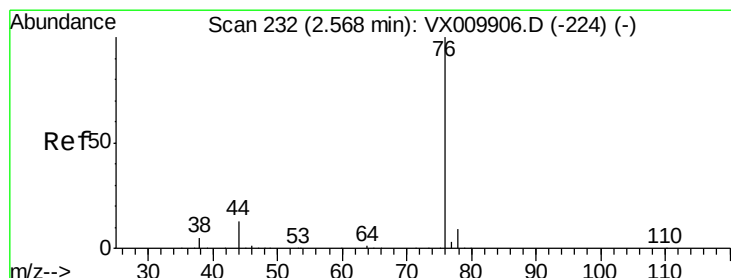
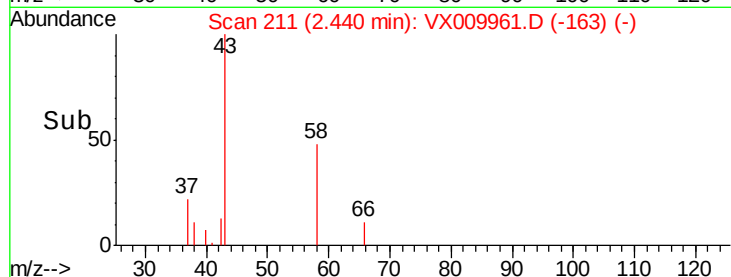
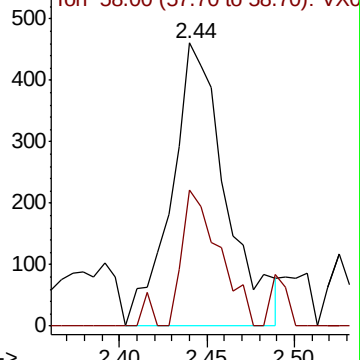
Ion Ratio Lower Upper

43 100

58 47.9 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.572 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009961.D

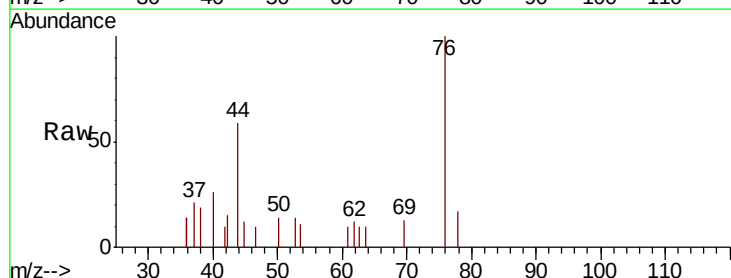
Acq: 30 May 2019 15:28

Tgt Ion: 76 Resp: 985

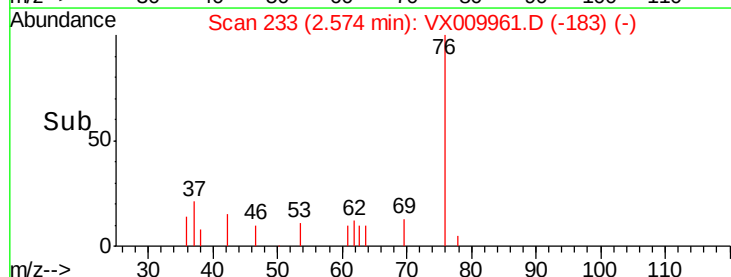
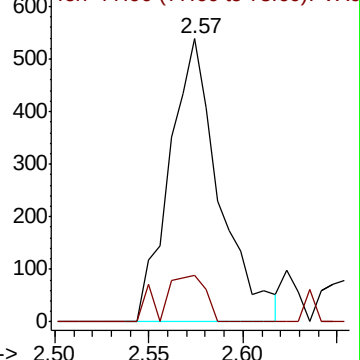
Ion Ratio Lower Upper

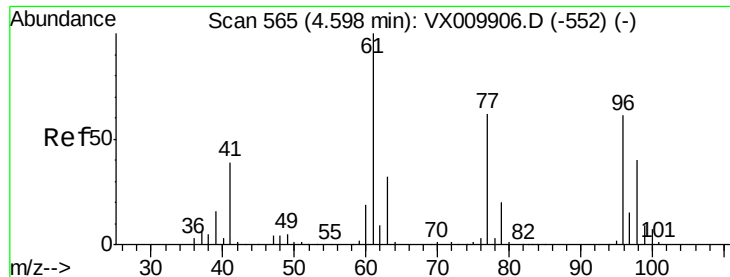
76 100

78 16.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0



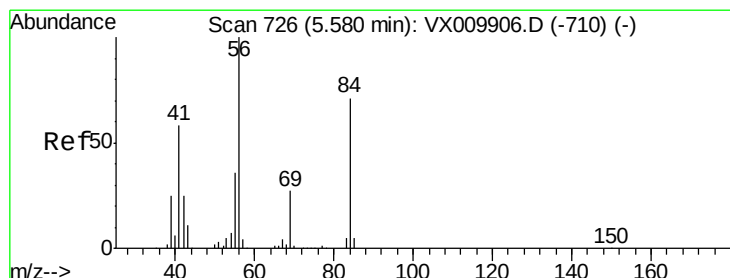
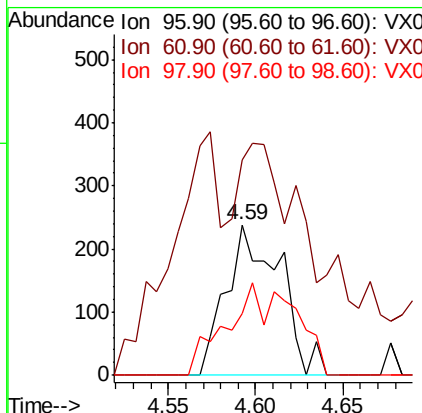
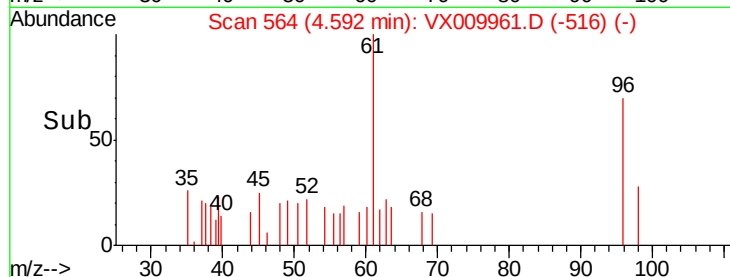
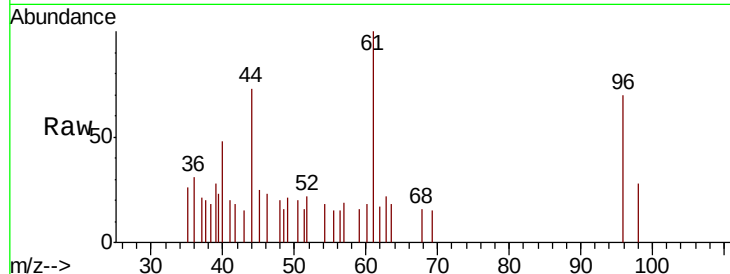


#27

cis-1,2-Dichloroethene
Concen: 0.231 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009961.D
Acq: 30 May 2019 15:28

Instrument :
MSVOA_X
ClientSampleId :
TB-5-30-19

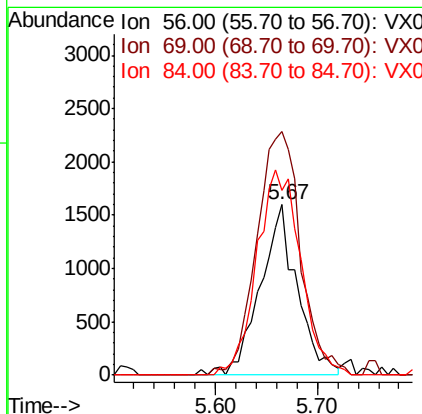
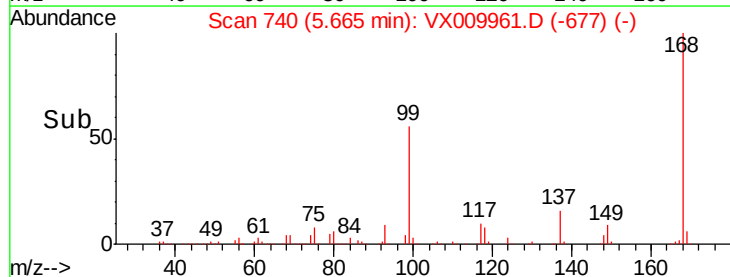
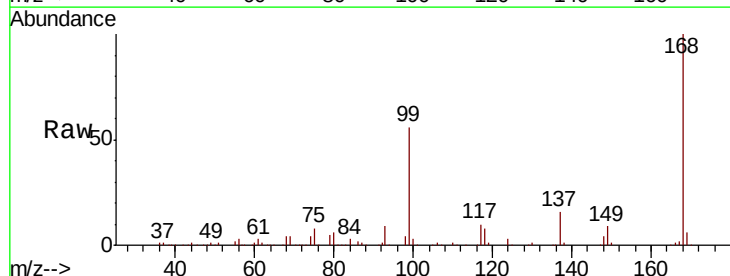
Tot Ion: 96 Resp: 512
Ion Ratio Lower Upper
96 100
61 205.9 0.0 334.0
98 41.6 0.0 131.6

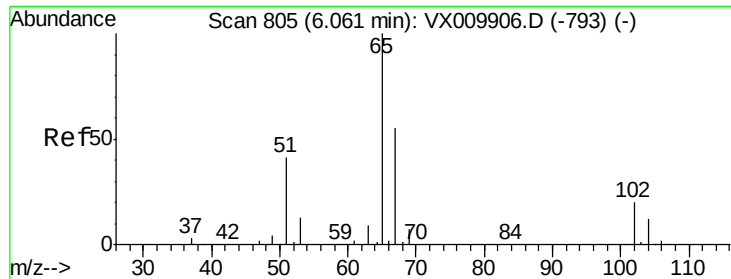


#31

Cyclohexane
Concen: 1.098 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009961.D
Acq: 30 May 2019 15:28

Tgt Ion: 56 Resp: 4014
Ion Ratio Lower Upper
56 100
69 142.8 21.6 32.4#
84 108.3 56.8 85.2#

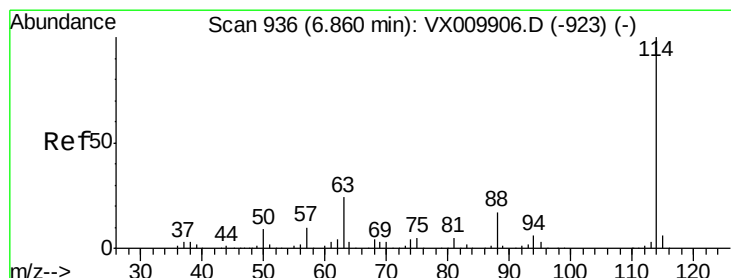
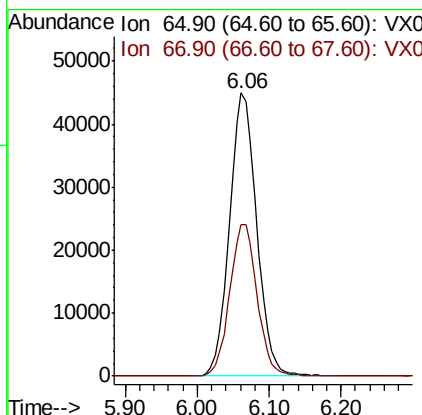
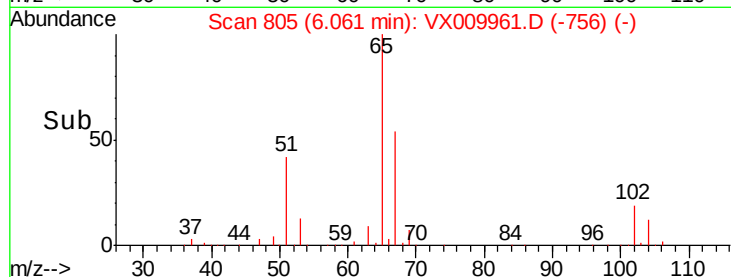
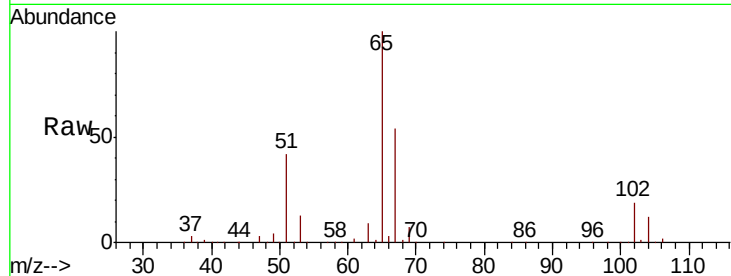




#33
 1,2-Dichloroethane-d4
 Concen: 49.157 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009961.D
 Acq: 30 May 2019 15:28

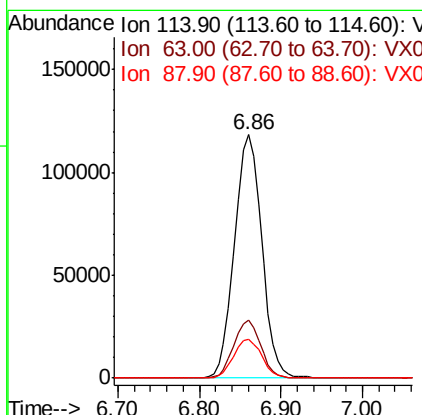
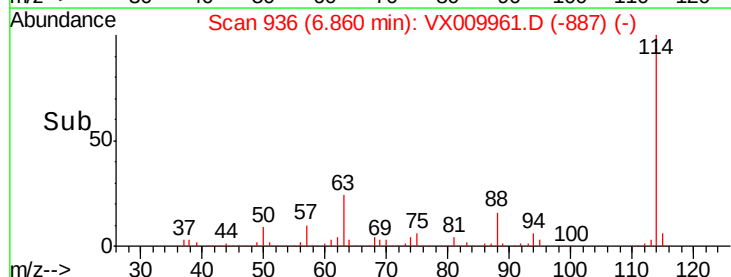
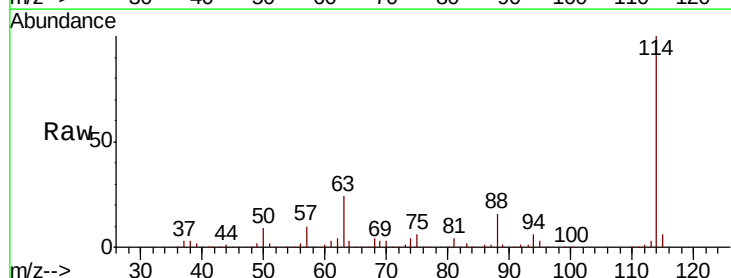
Instrument :
 MSVOA_X
 ClientSampled :
 TB-5-30-19

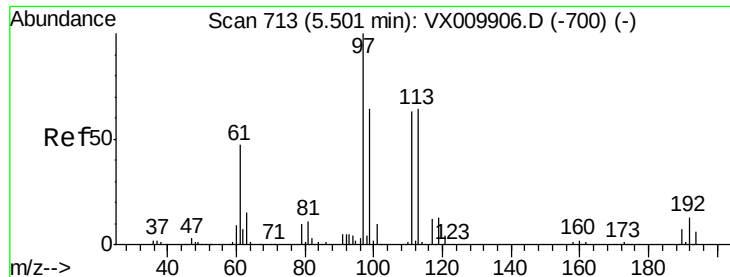
Tot Ion: 65 Resp: 118132
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009961.D
 Acq: 30 May 2019 15:28

Tgt Ion: 114 Resp: 274878
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 47.4
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.620 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

TB-5-30-19

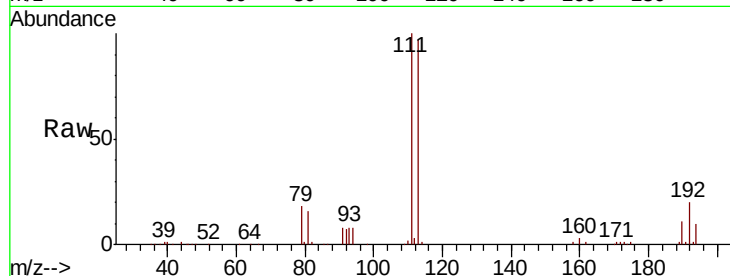
Tot Ion:113 Resp: 85751

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

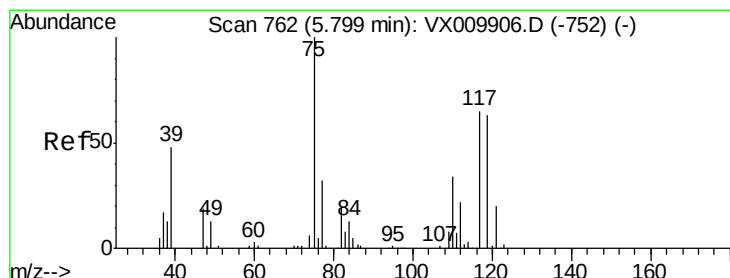
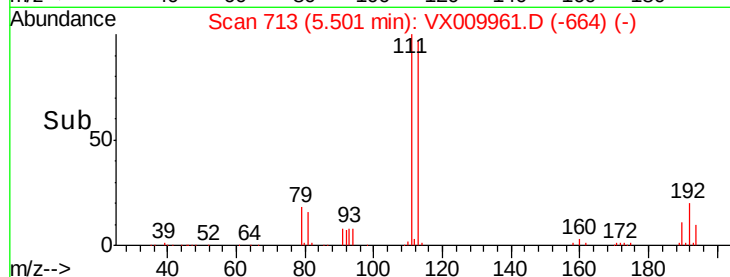
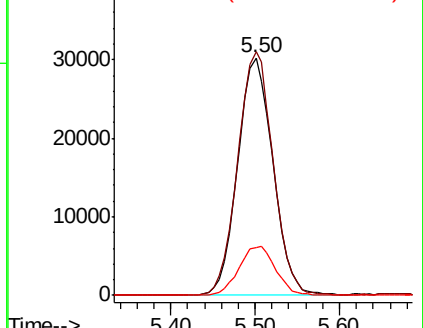
192 21.3 17.1 25.7



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: 4.932 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

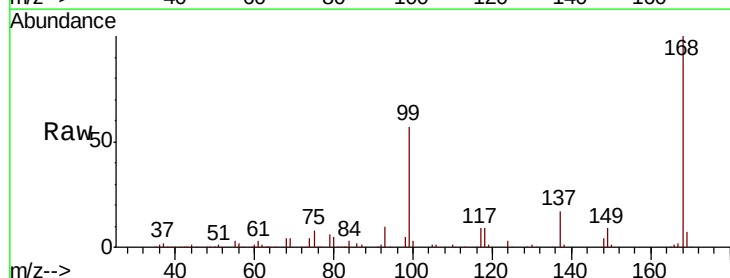
Tgt Ion: 75 Resp: 13755

Ion Ratio Lower Upper

75 100

110 8.6 16.7 50.1#

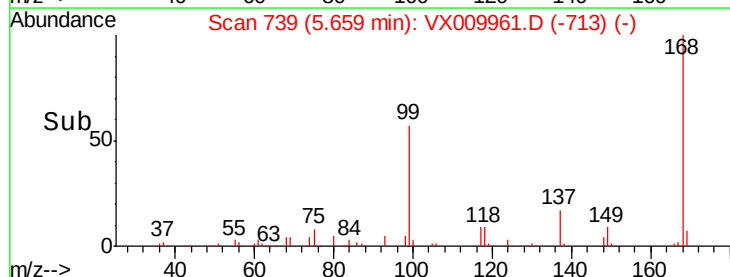
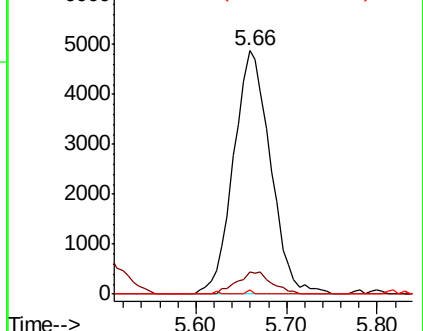
77 0.2 25.0 37.4#

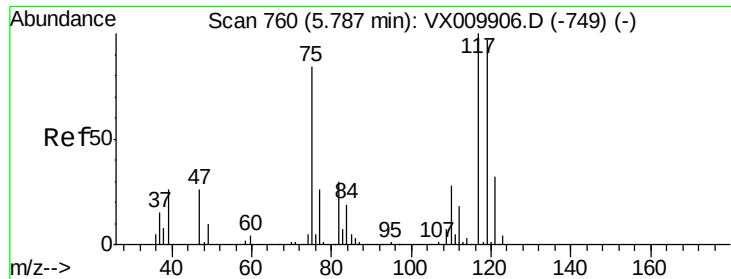


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.670 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

TB-5-30-19

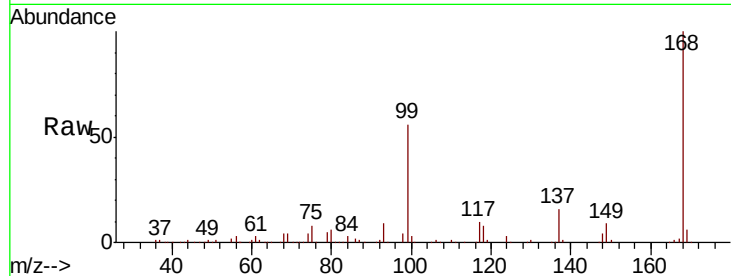
Tot Ion:117 Resp: 16074

Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

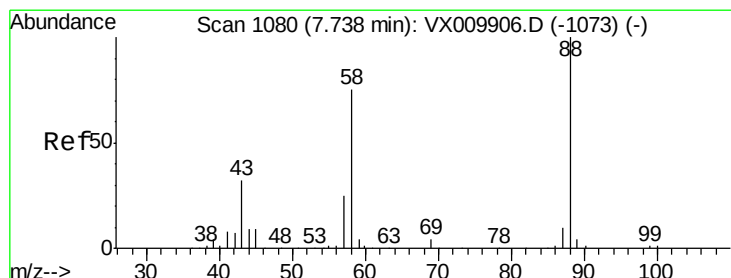
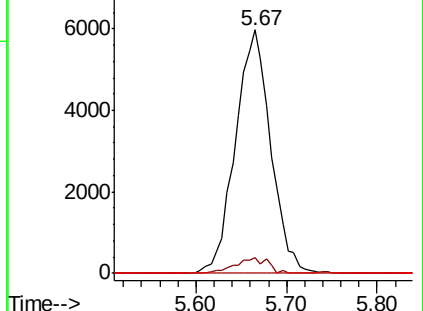
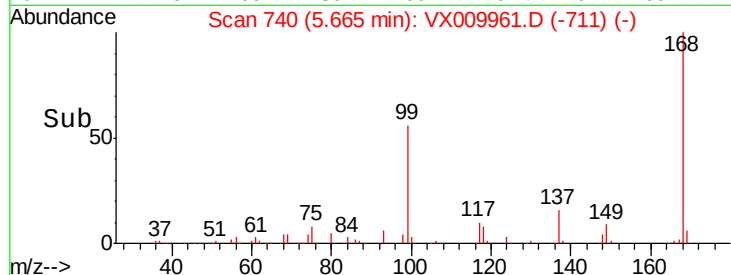
121 0.0 25.4 38.0#



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: 1.091 ug/l

RT: 7.81 min Scan# 1092

Delta R.T. 0.07 min

Lab File: VX009961.D

Acq: 30 May 2019 15:28

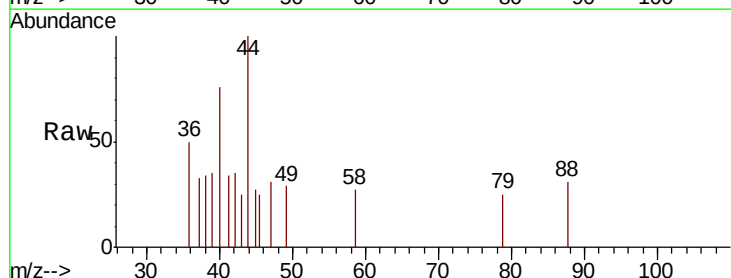
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 93.7 30.2 45.4#

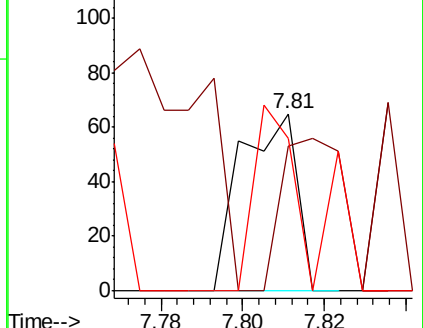
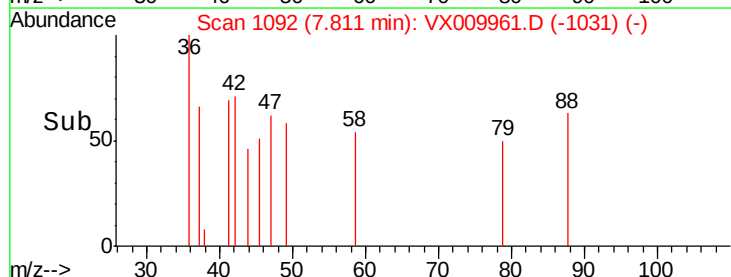
58 101.6 64.0 96.0#

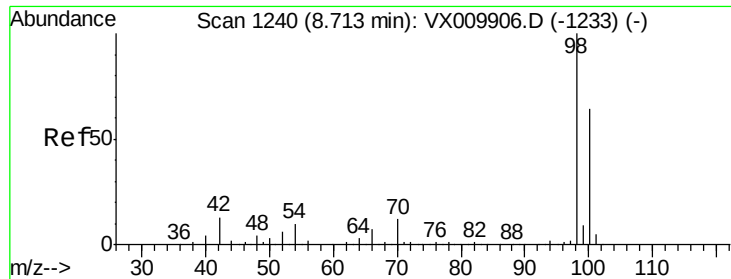


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

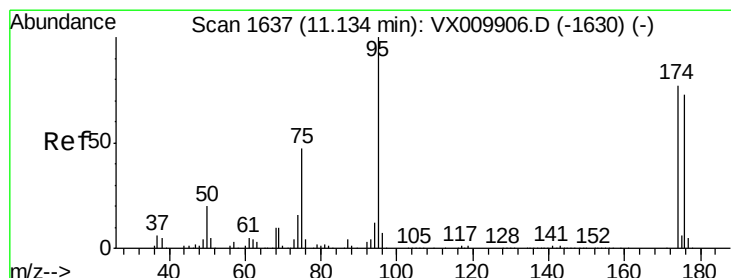
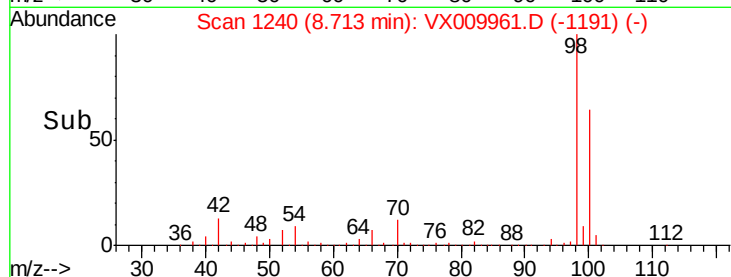
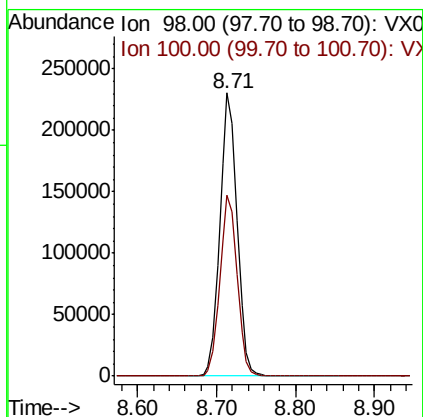
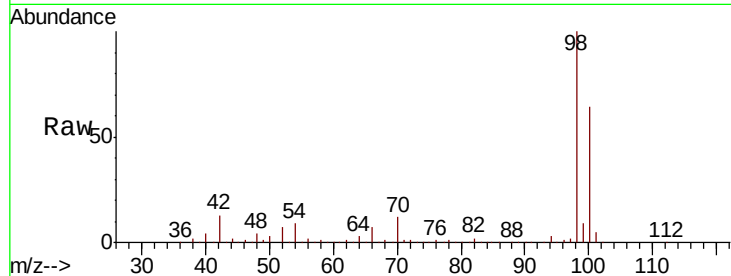




#50
Toluene-d8
Concen: 49.967 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009961.D
Acq: 30 May 2019 15:28

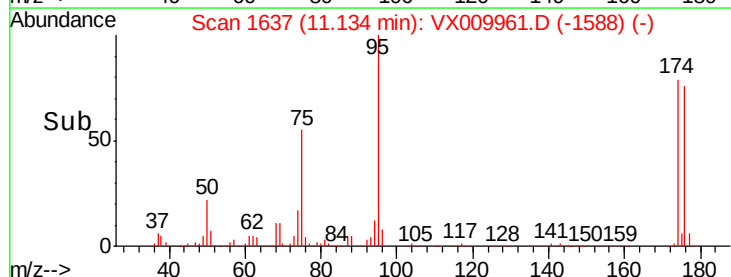
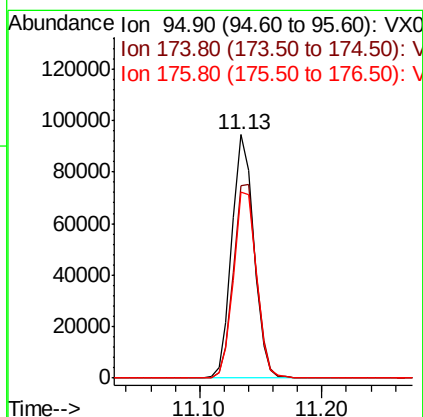
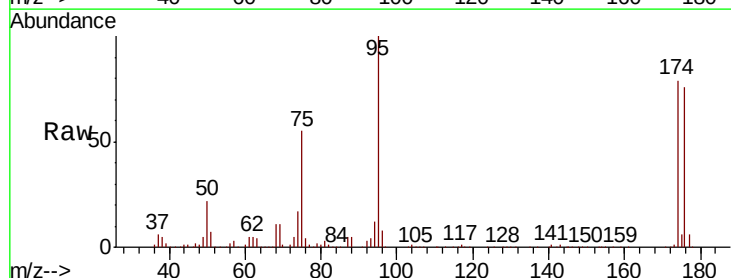
Instrument :
MSVOA_X
ClientSampled :
TB-5-30-19

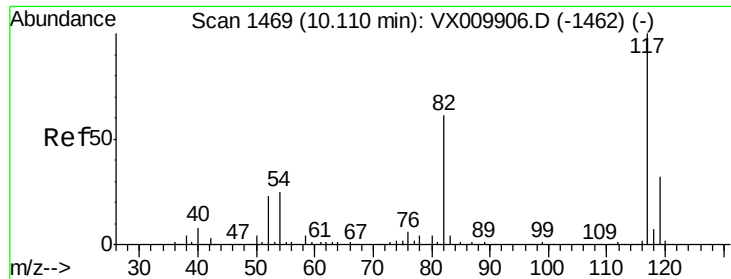
Tot Ion: 98 Resp: 350650
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 46.596 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009961.D
Acq: 30 May 2019 15:28

Tgt Ion: 95 Resp: 117451
Ion Ratio Lower Upper
95 100
174 82.6 0.0 160.4
176 79.7 0.0 154.6

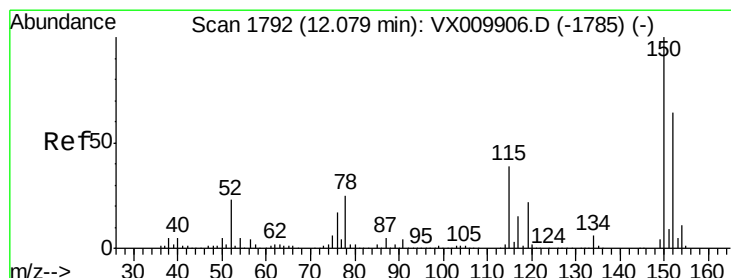
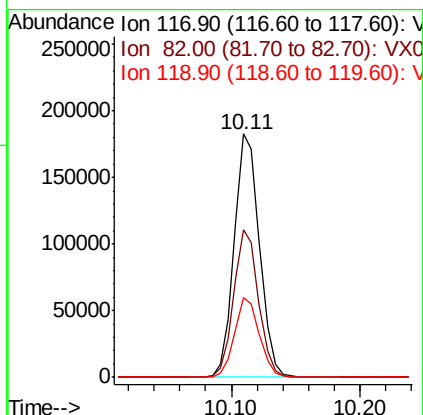
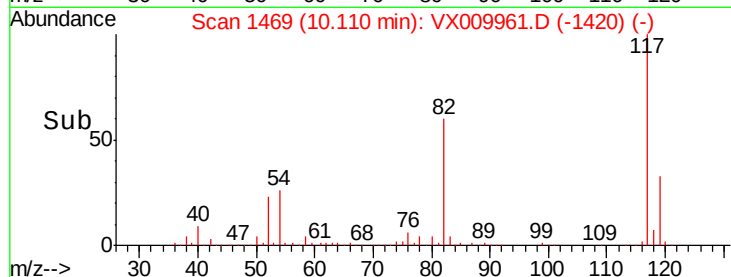
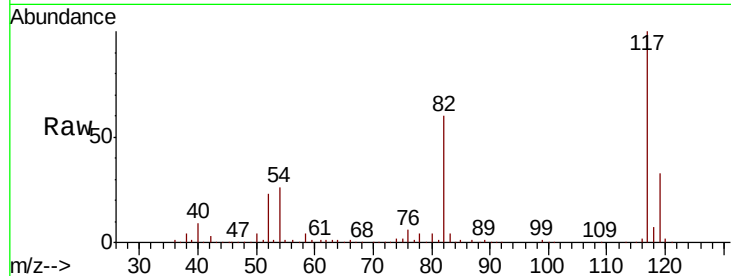




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009961.D
Acq: 30 May 2019 15:28

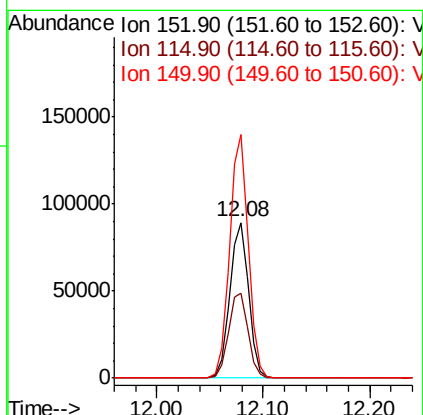
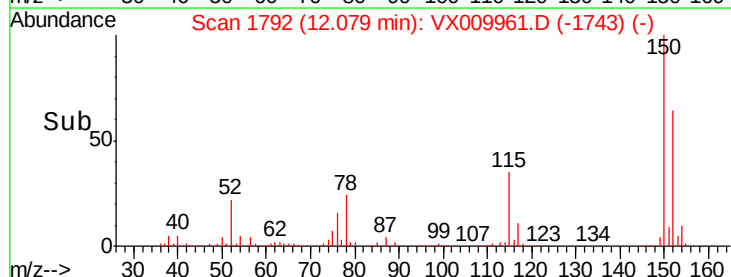
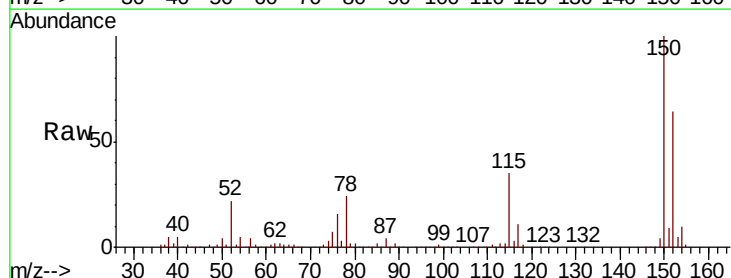
Instrument :
MSVOA_X
ClientSampled :
TB-5-30-19

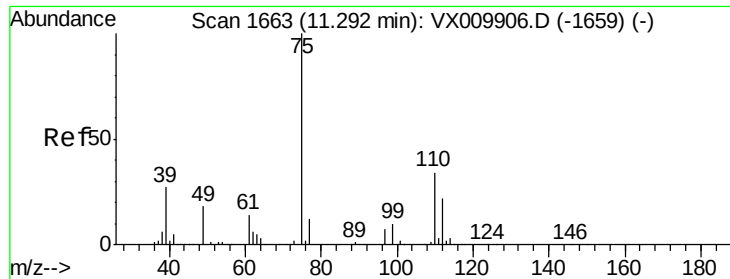
Tot Ion:117 Resp: 249873
Ion Ratio Lower Upper
117 100
82 60.4 49.2 73.8
119 32.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009961.D
Acq: 30 May 2019 15:28

Tgt Ion:152 Resp: 110537
Ion Ratio Lower Upper
152 100
115 57.1 41.4 124.2
150 155.8 0.0 345.2

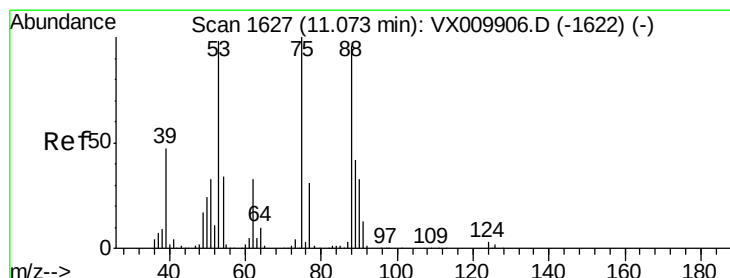
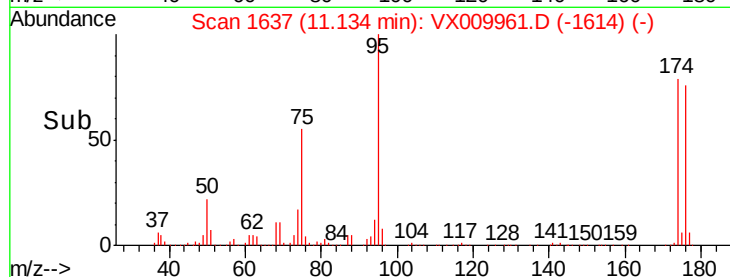
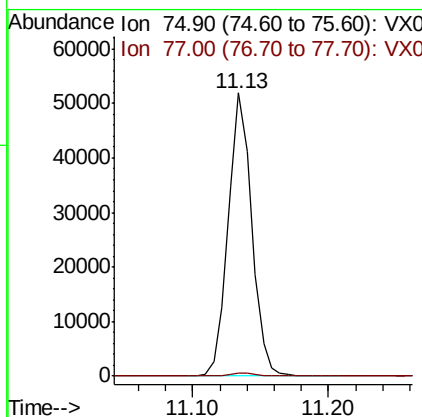
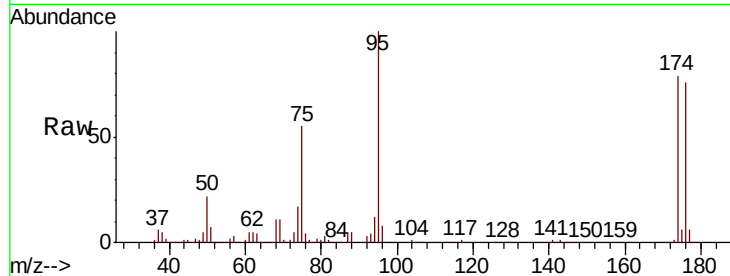




#76
 1,2,3-Trichloropropane
 Concen: 23.692 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009961.D
 Acq: 30 May 2019 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-5-30-19

Tot Ion: 75 Resp: 62624
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.617 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009961.D
 Acq: 30 May 2019 15:28

Tgt Ion: 75 Resp: 62624
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#

