

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009684.D
 Acq On : 18 May 2019 00:01
 Operator : JC/SP
 Sample : K2892-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190515

Quant Time: May 18 04:55:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	158805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	250858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	218617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	84126	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	107117	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
35) Dibromofluoromethane	5.50	113	78555	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	8.71	98	317826	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.13	95	99607	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	

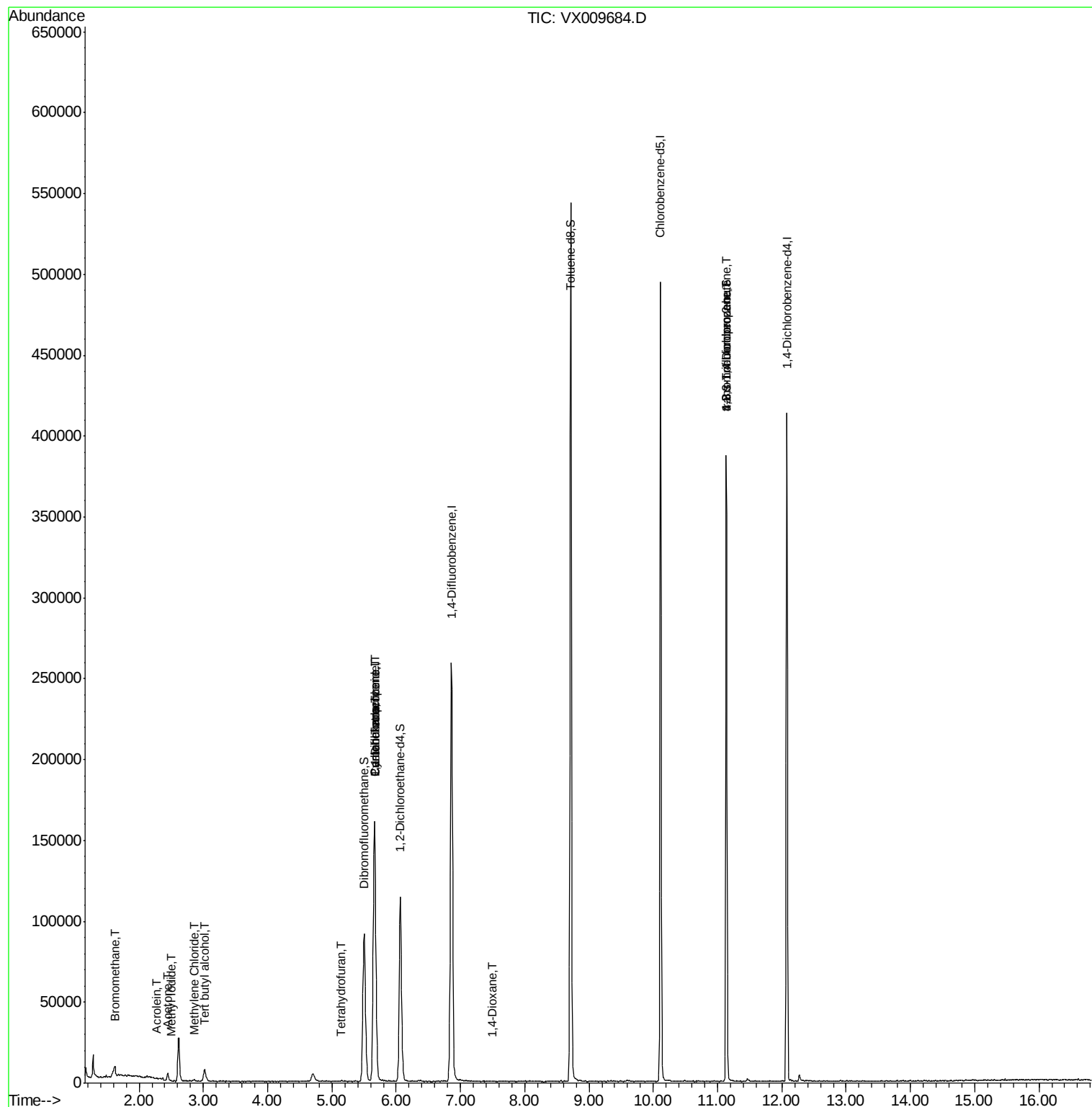
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	269	0.230	ug/l #	55
10) Methyl Iodide	2.51	142	44	4.617	ug/l #	42
11) Tert butyl alcohol	3.01	59	5439	10.839	ug/l #	76
13) Acrolein	2.28	56	110	0.242	ug/l #	69
16) Acetone	2.45	43	4951	4.253	ug/l	98
20) Methylene Chloride	2.86	84	431	0.229	ug/l #	66
28) Bromochloromethane	5.03	49	27	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	317	0.272	ug/l #	55
31) Cyclohexane	5.66	56	3482	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12678	5.438	ug/l #	51
38) Carbon Tetrachloride	5.67	117	14874	7.022	ug/l #	15
49) 1,4-Dioxane	7.49	88	19	0.363	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	50419	25.837	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	50419	66.108	ug/l #	10

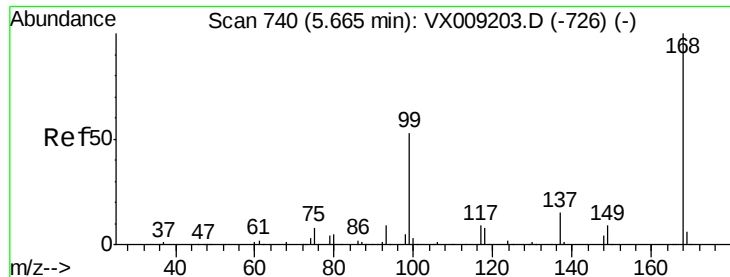
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051719\
Data File : VX009684.D
Acq On : 18 May 2019 00:01
Operator : JC/SP
Sample : K2892-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190515

Quant Time: May 18 04:55:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

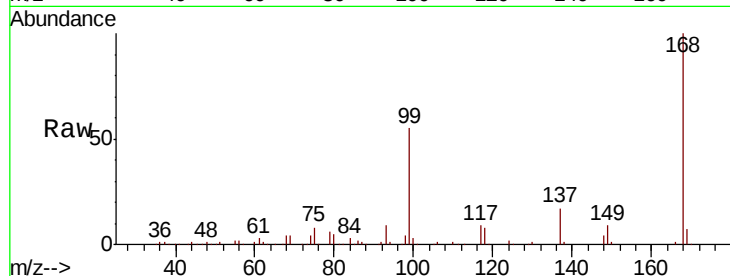
TT-TB-20190515

Tot Ion:168 Resp: 158805

Ion Ratio Lower Upper

168 100

99 54.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

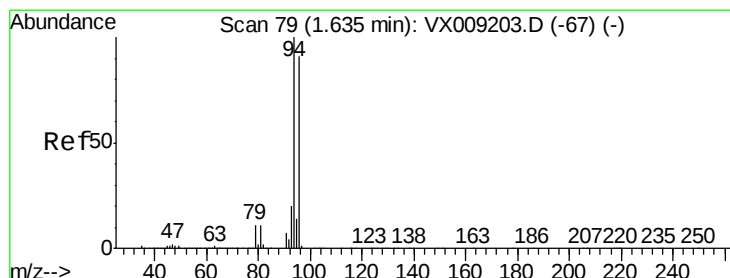
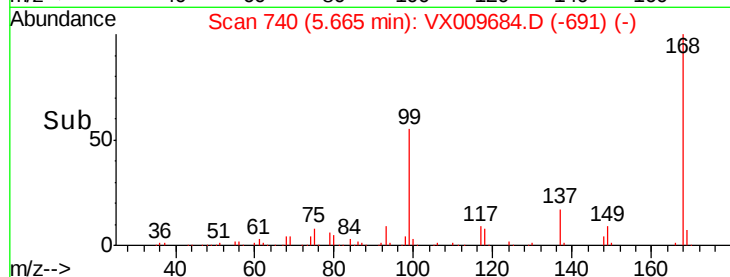
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX009684.D

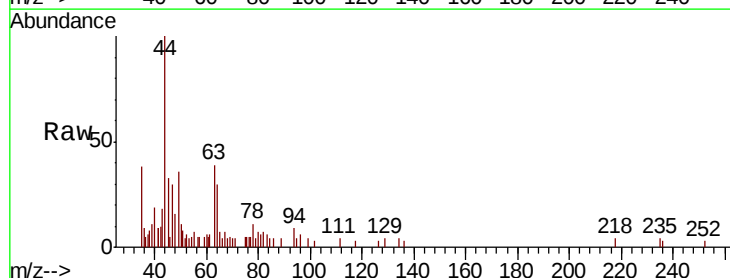
Acq: 18 May 2019 00:01

Tgt Ion: 94 Resp: 269

Ion Ratio Lower Upper

94 100

96 48.8 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

200

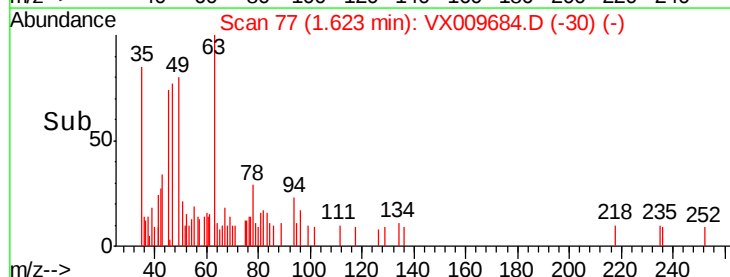
150

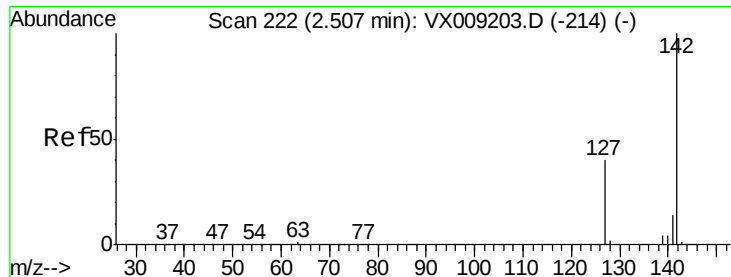
100

50

0

Time--> 1.55 1.60

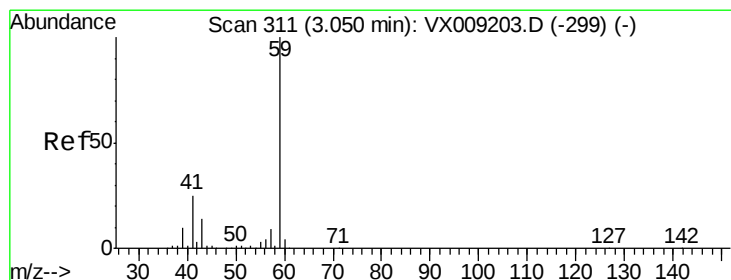
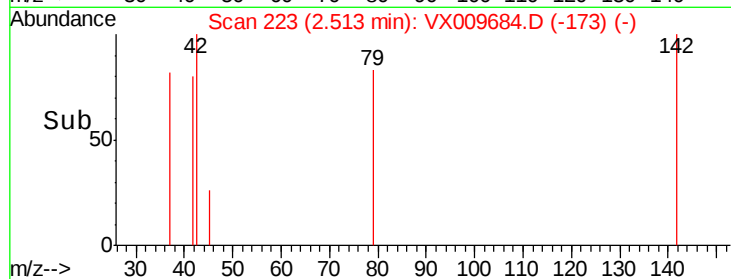
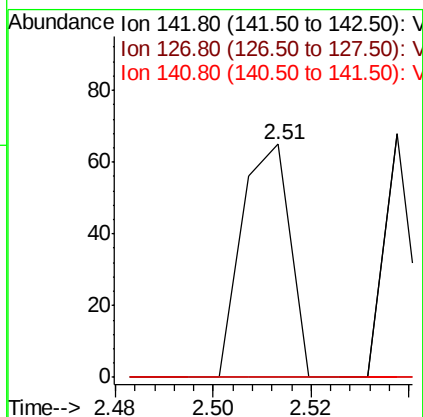
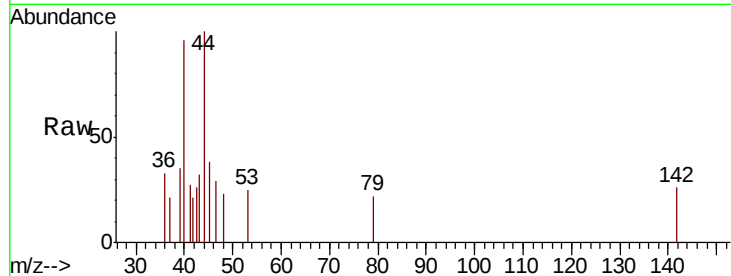




#10
Methvl Iodide
Concen: 4.617 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009684.D
Acq: 18 May 2019 00:01

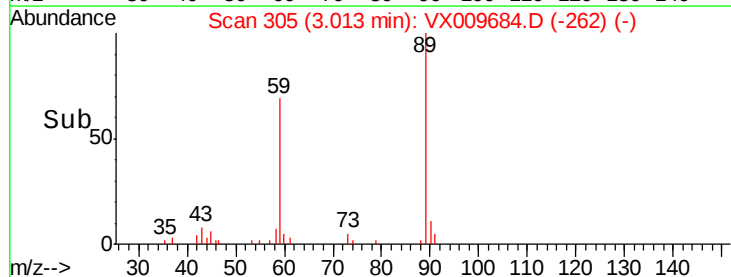
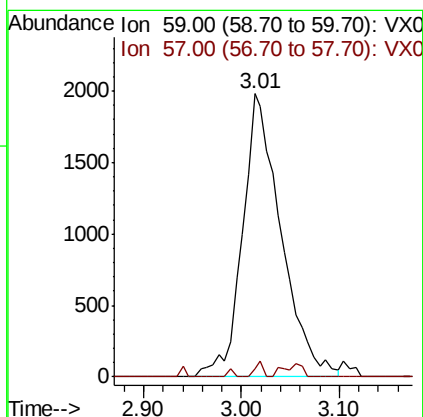
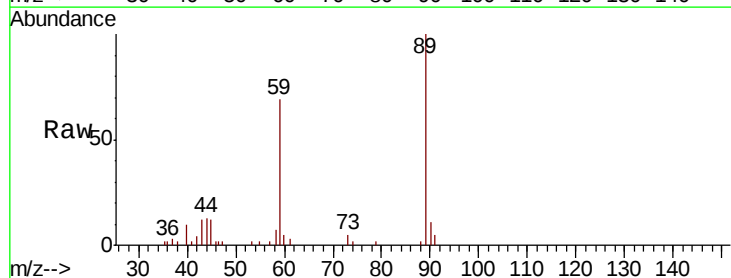
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190515

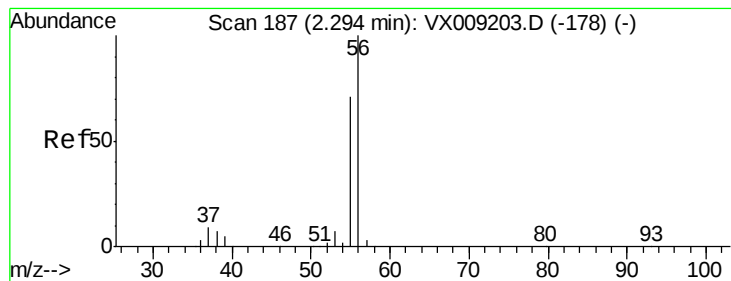
Tot Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 10.839 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009684.D
Acq: 18 May 2019 00:01

Tgt Ion: 59 Resp: 5439
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.2#





#13

Acrolein

Concen: 0.242 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

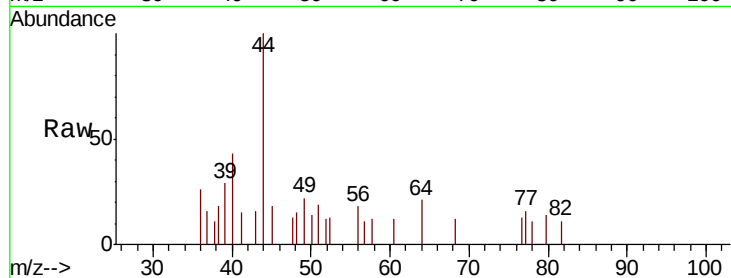
TT-TB-20190515

Tot Ion: 56 Resp: 110

Ion Ratio Lower Upper

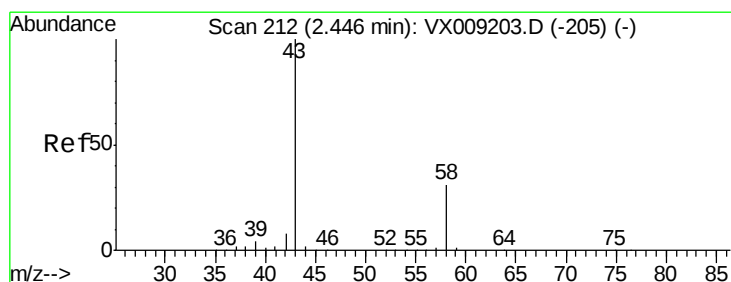
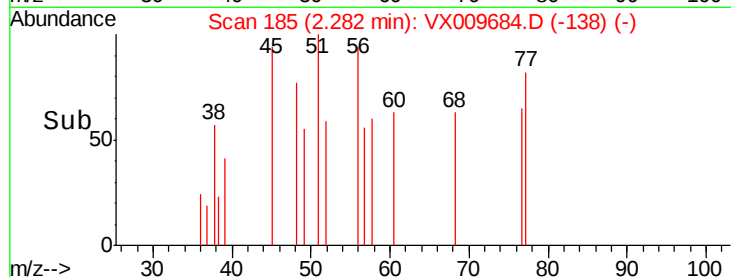
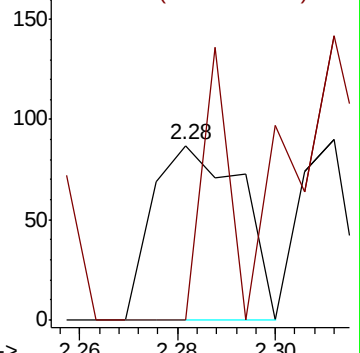
56 100

55 45.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.253 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009684.D

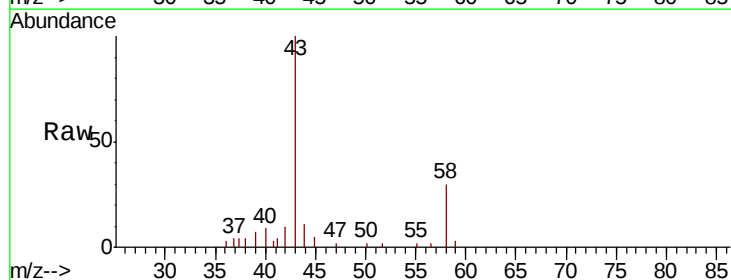
Acq: 18 May 2019 00:01

Tgt Ion: 43 Resp: 4951

Ion Ratio Lower Upper

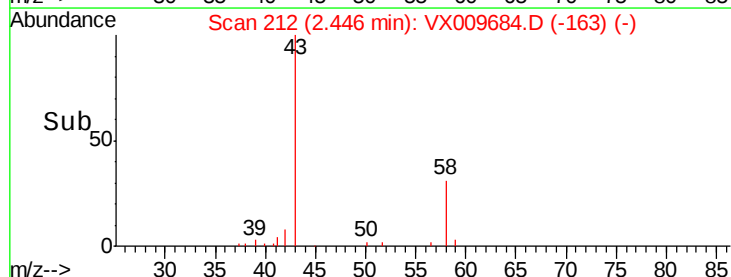
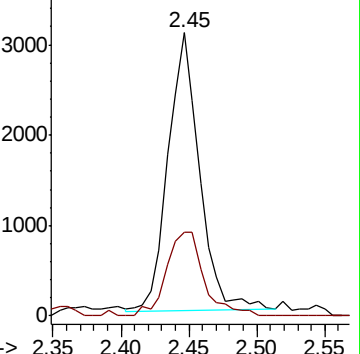
43 100

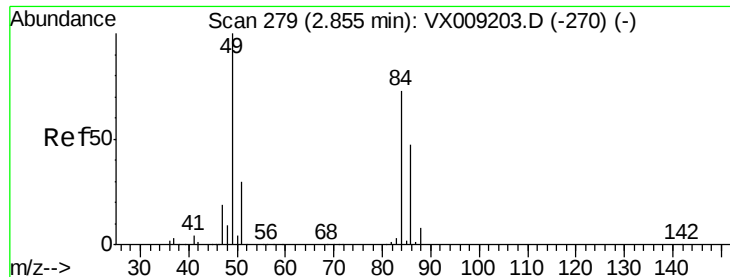
58 30.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

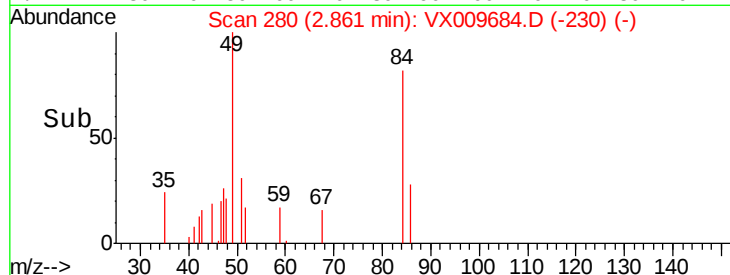
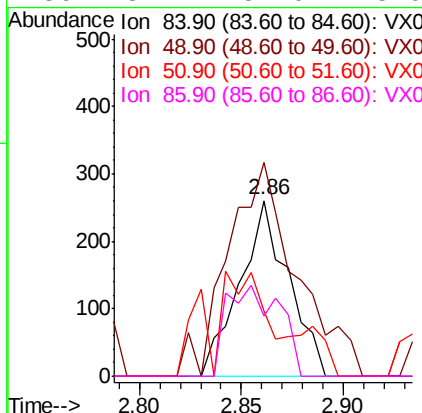
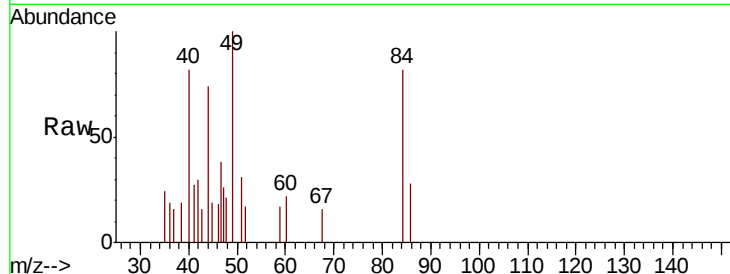




#20
Methvlene Chloride
Concen: 0.229 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009684.D
Acq: 18 May 2019 00:01

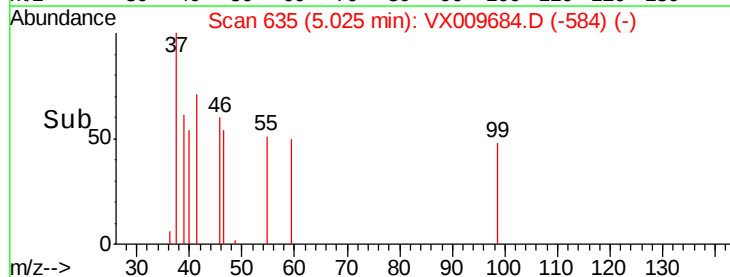
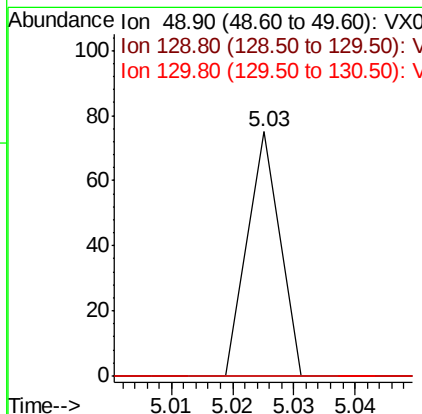
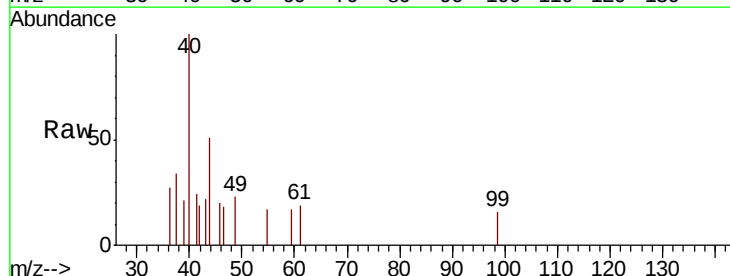
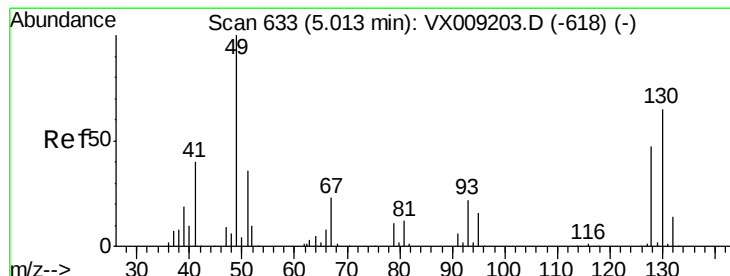
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190515

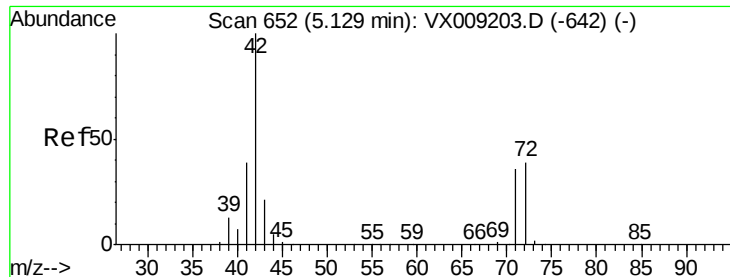
Tot Ion: 84 Resp: 431
Ion Ratio Lower Upper
84 100
49 96.9 109.9 164.9#
51 57.7 32.7 49.1#
86 34.2 52.0 78.0#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX009684.D
Acq: 18 May 2019 00:01

Tgt Ion: 49 Resp: 27
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#





#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190515

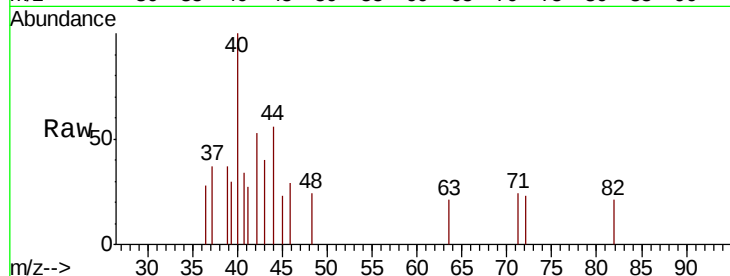
Tot Ion: 42 Resp: 317

Ion Ratio Lower Upper

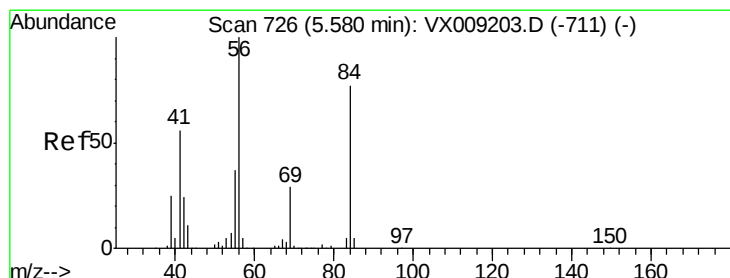
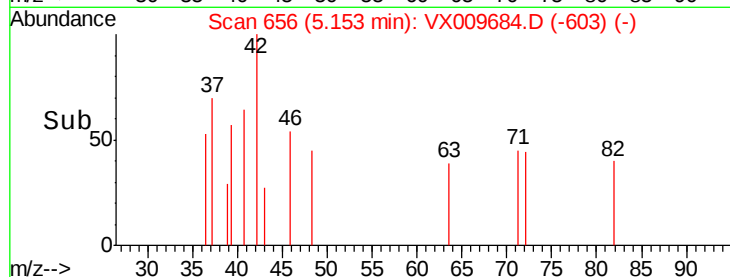
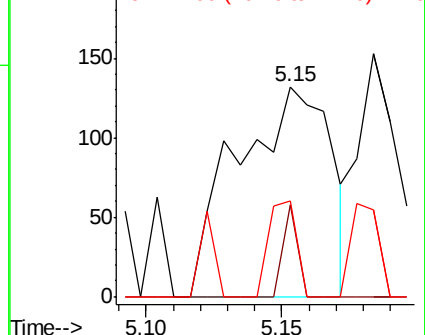
42 100

72 6.6 30.4 45.6#

71 13.6 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: 1.086 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

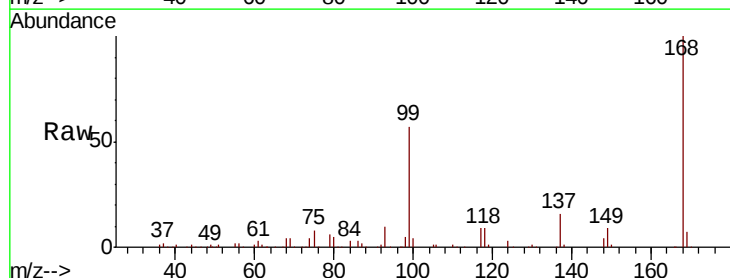
Tgt Ion: 56 Resp: 3482

Ion Ratio Lower Upper

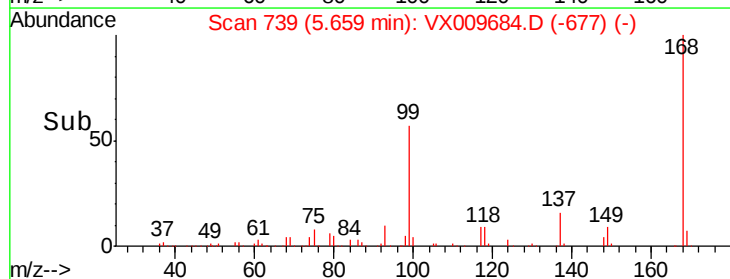
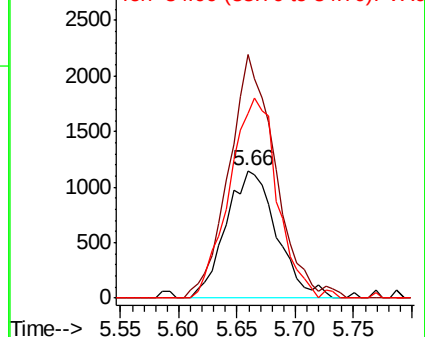
56 100

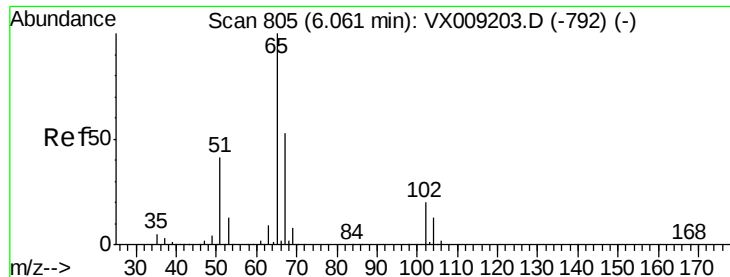
69 186.6 23.4 35.0#

84 145.3 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: 49.411 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

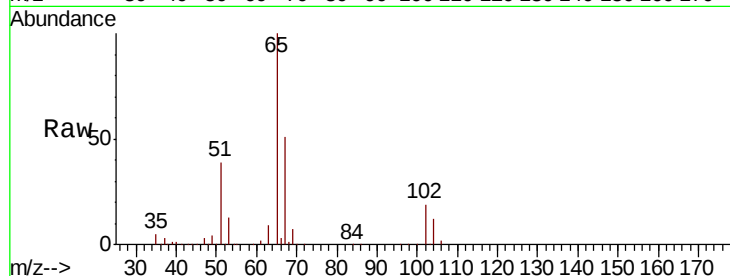
TT-TB-20190515

Tot Ion: 65 Resp: 107117

Ion Ratio Lower Upper

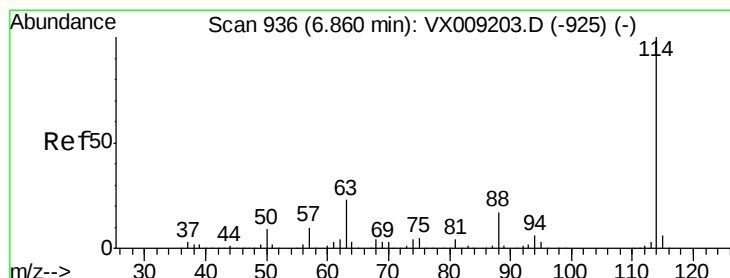
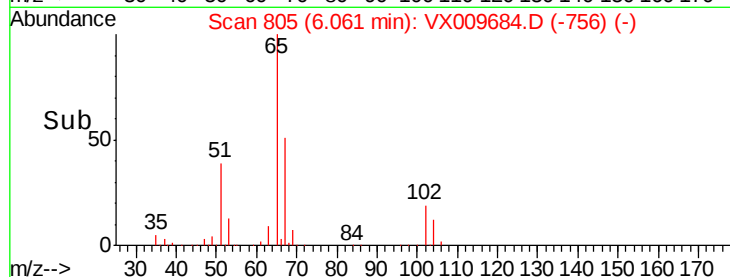
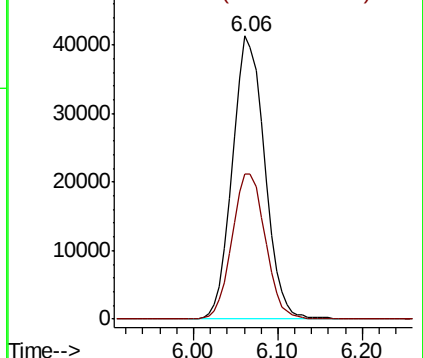
65 100

67 53.1 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: VX009684.D

Acq: 18 May 2019 00:01

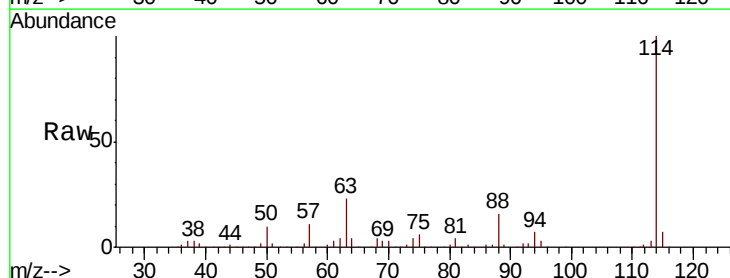
Tgt Ion: 114 Resp: 250858

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

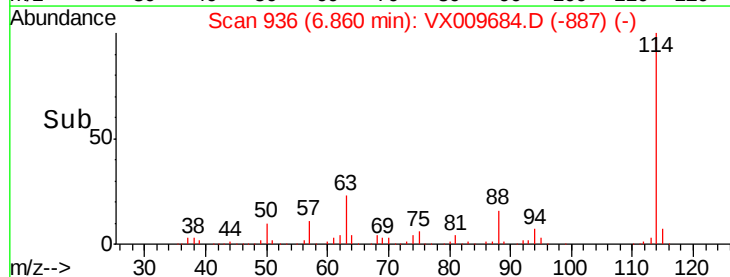
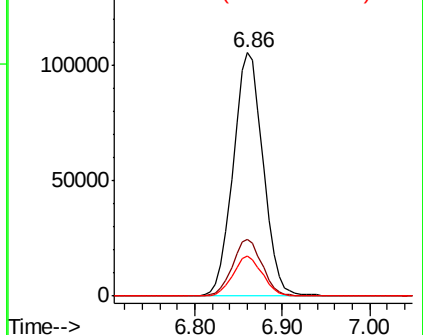
88 16.4 0.0 33.2

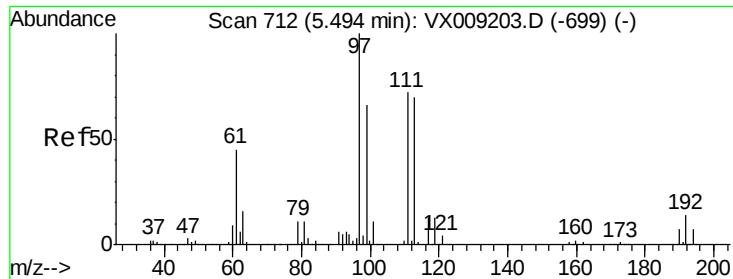


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

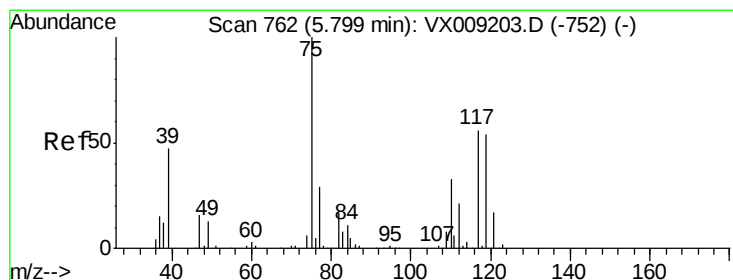
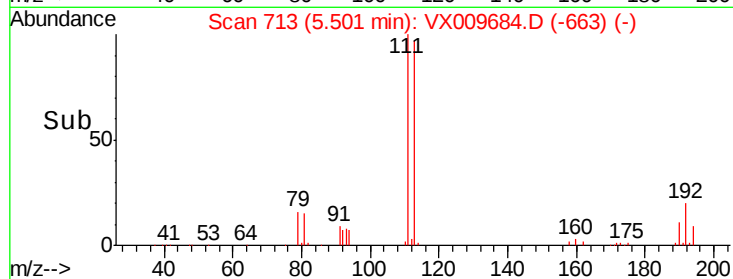
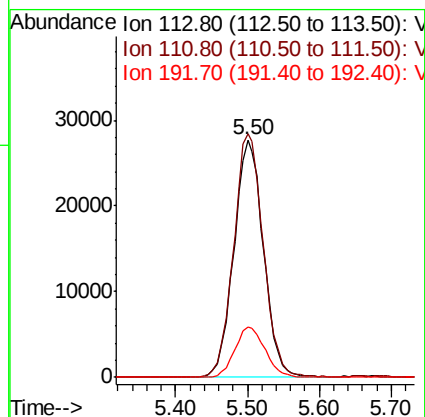
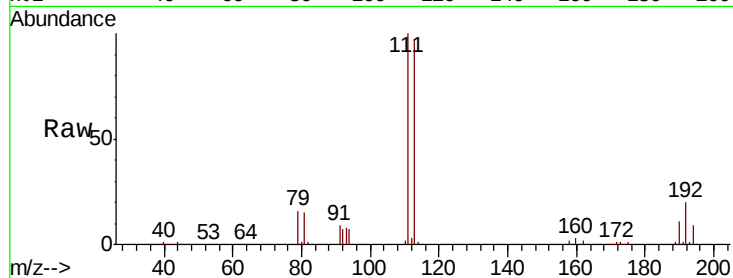




#35
 Dibromofluoromethane
 Concen: 49.813 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009684.D
 Acq: 18 May 2019 00:01

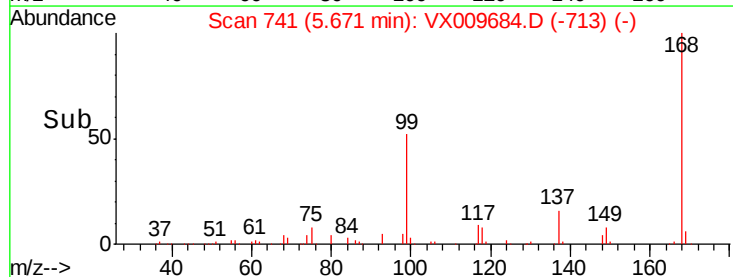
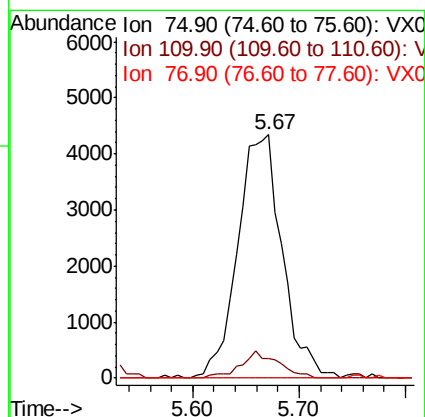
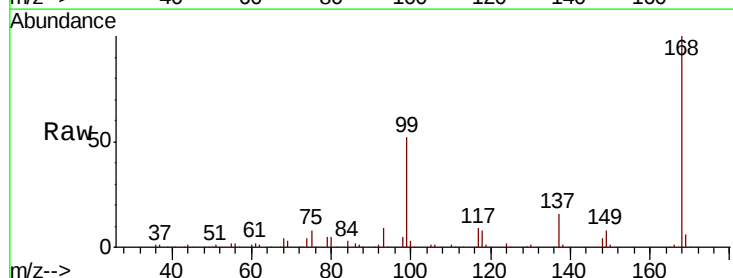
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190515

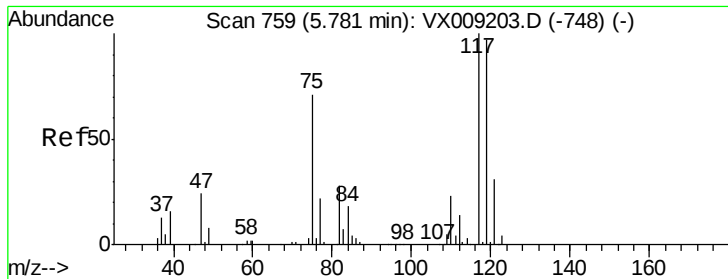
Tot Ion:113 Resp: 78555
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.438 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX009684.D
 Acq: 18 May 2019 00:01

Tgt Ion: 75 Resp: 12678
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.022 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190515

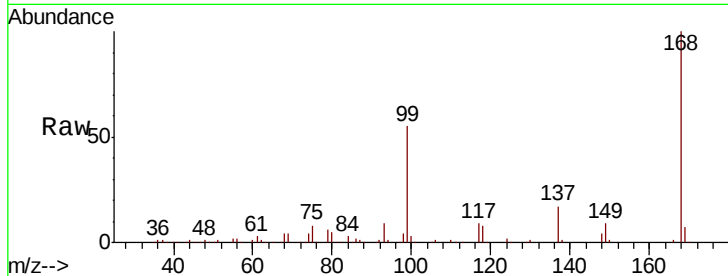
Tot Ion:117 Resp: 14874

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

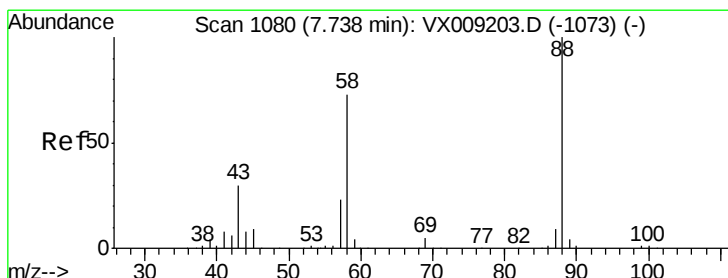
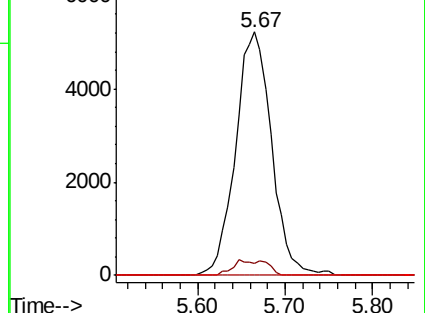
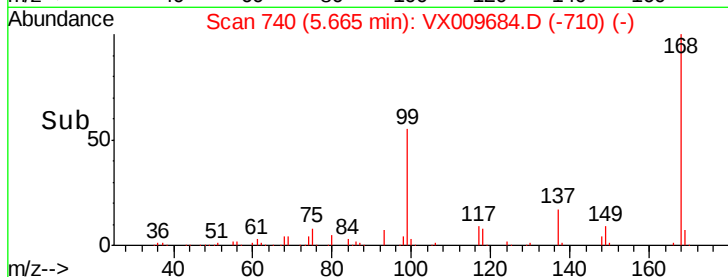
121 0.0 24.7 37.1#



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: 0.363 ug/l

RT: 7.49 min Scan# 1039

Delta R.T. -0.25 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

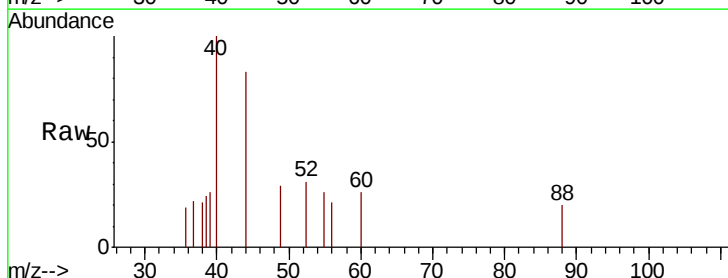
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 247.4 28.6 42.8#

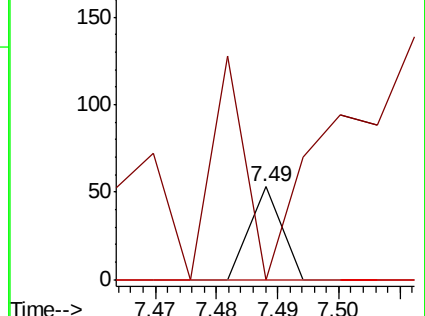
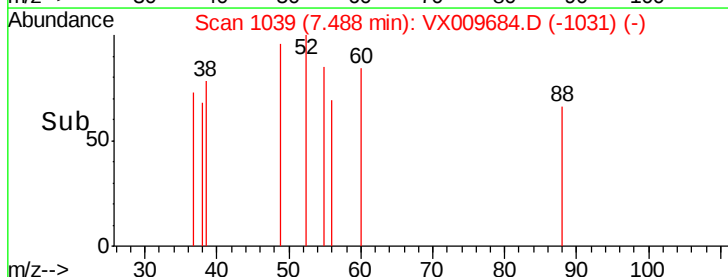
58 0.0 61.7 92.5#

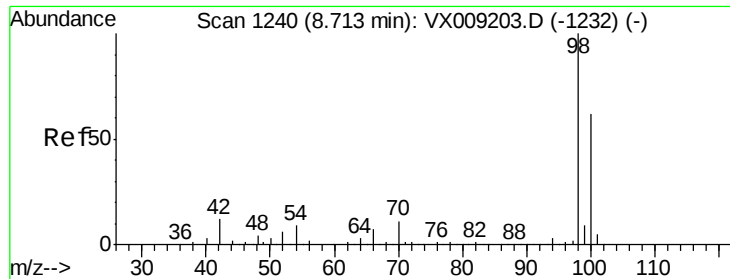


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.920 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

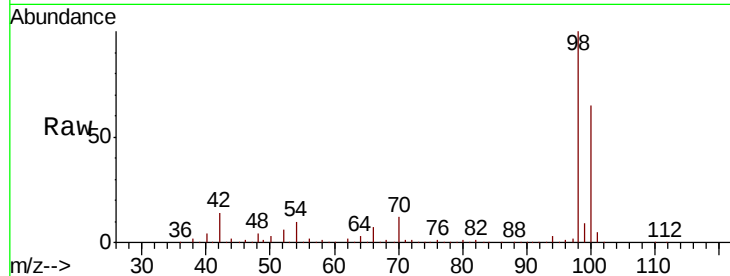
TT-TB-20190515

Tot Ion: 98 Resp: 317826

Ion Ratio Lower Upper

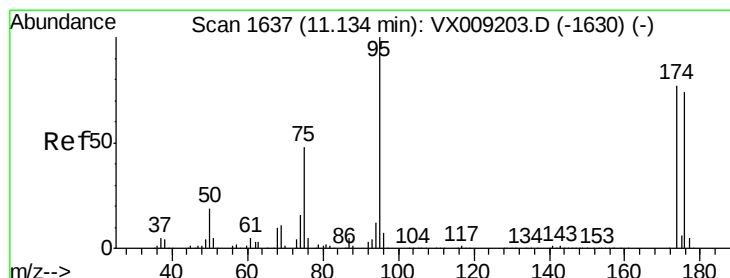
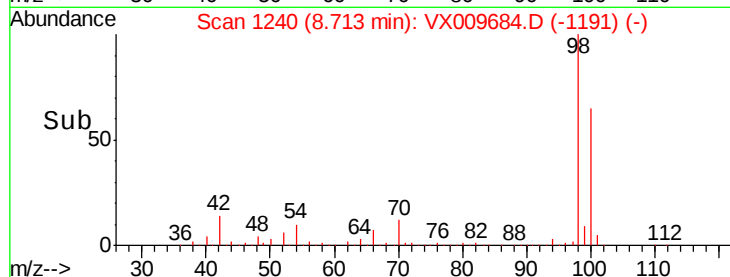
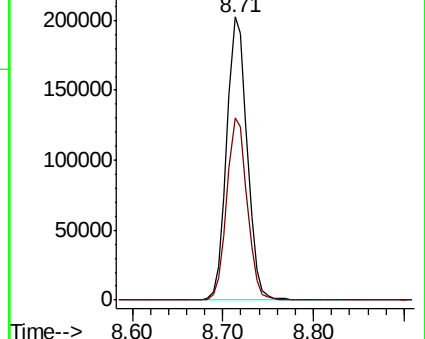
98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.056 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

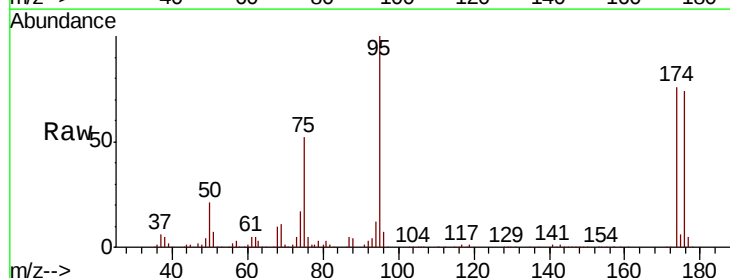
Tgt Ion: 95 Resp: 99607

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

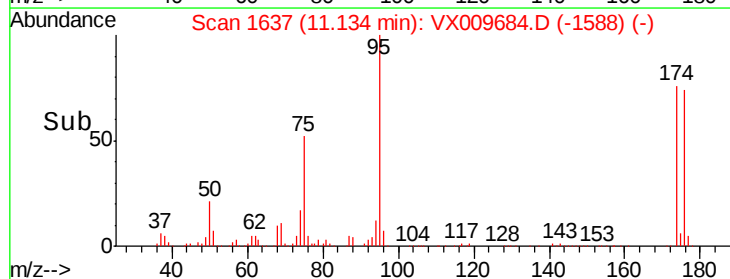
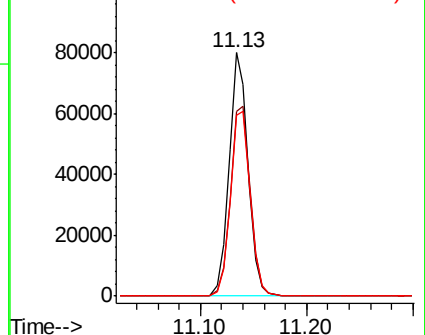
176 80.0 0.0 159.2

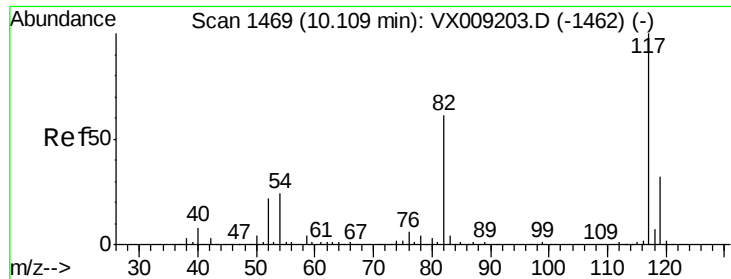


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

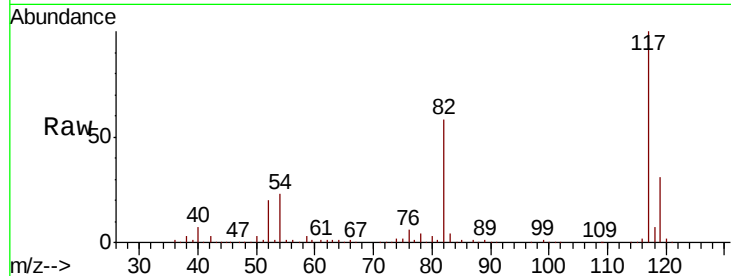




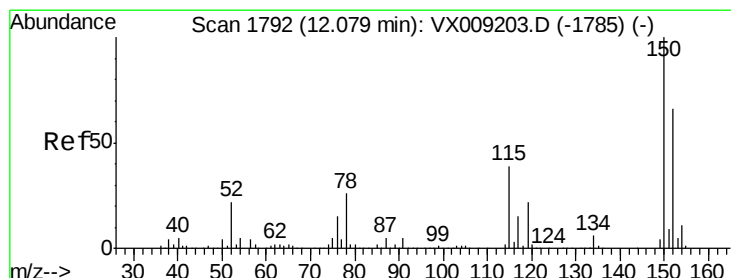
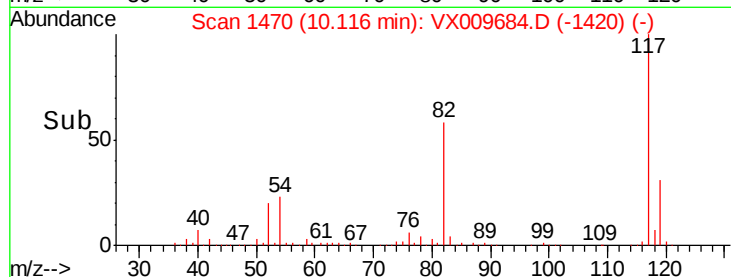
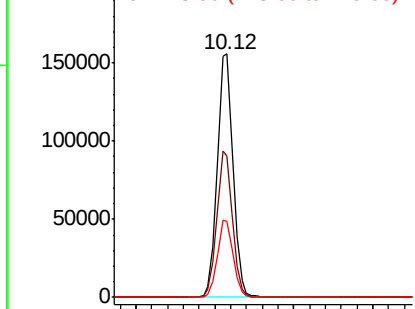
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009684.D
Acq: 18 May 2019 00:01

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190515

Tot Ion:117 Resp: 218617
Ion Ratio Lower Upper
117 100
82 58.2 48.8 73.2
119 31.4 25.8 38.6

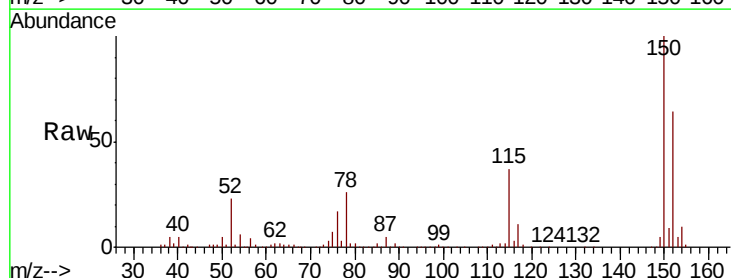


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

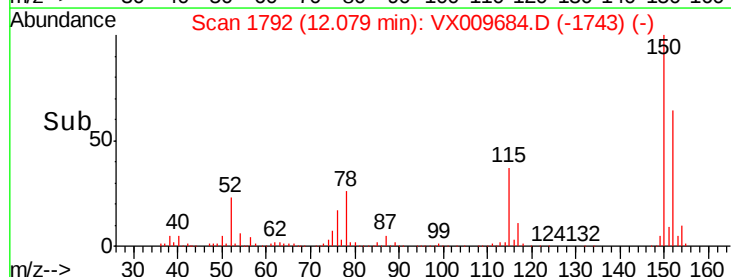
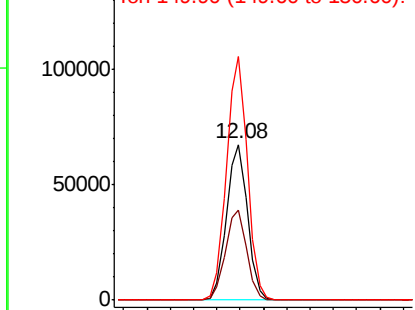


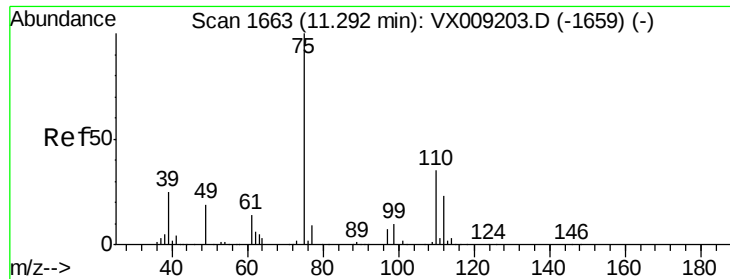
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009684.D
Acq: 18 May 2019 00:01

Tgt Ion:152 Resp: 84126
Ion Ratio Lower Upper
152 100
115 58.5 41.2 123.6
150 156.1 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: 25.837 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Instrument :

MSVOA_X

ClientSampleId :

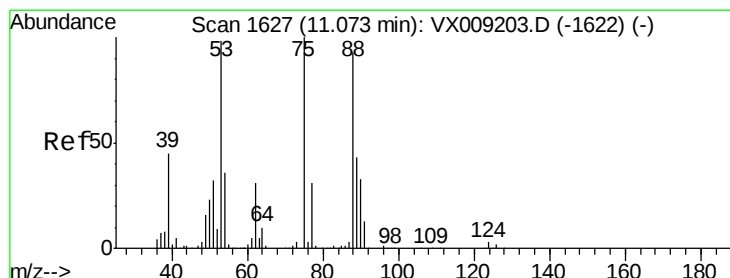
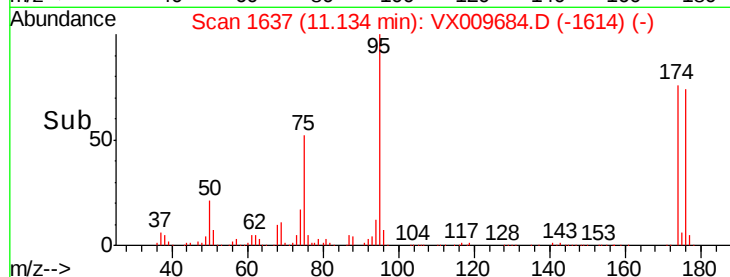
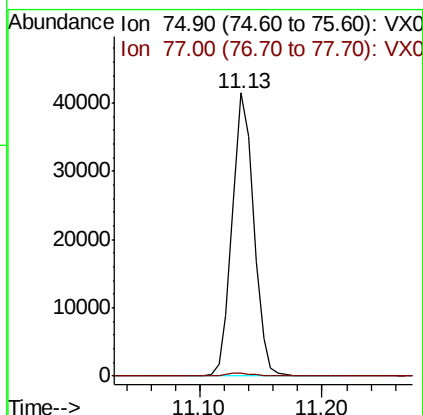
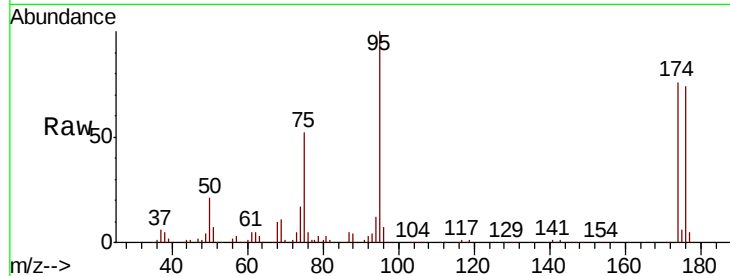
TT-TB-20190515

Tot Ion: 75 Resp: 50419

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.108 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009684.D

Acq: 18 May 2019 00:01

Tgt Ion: 75 Resp: 50419

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

89 0.0 34.7 52.1#

