

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010138.D
 Acq On : 08 Jun 2019 15:10
 Operator : JC/SP
 Sample : VX0608WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL01

Quant Time: Jun 10 07:59:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	284382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	427109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	370970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	128071	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	5.49	113	131715	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	8.71	98	496622	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	167135	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

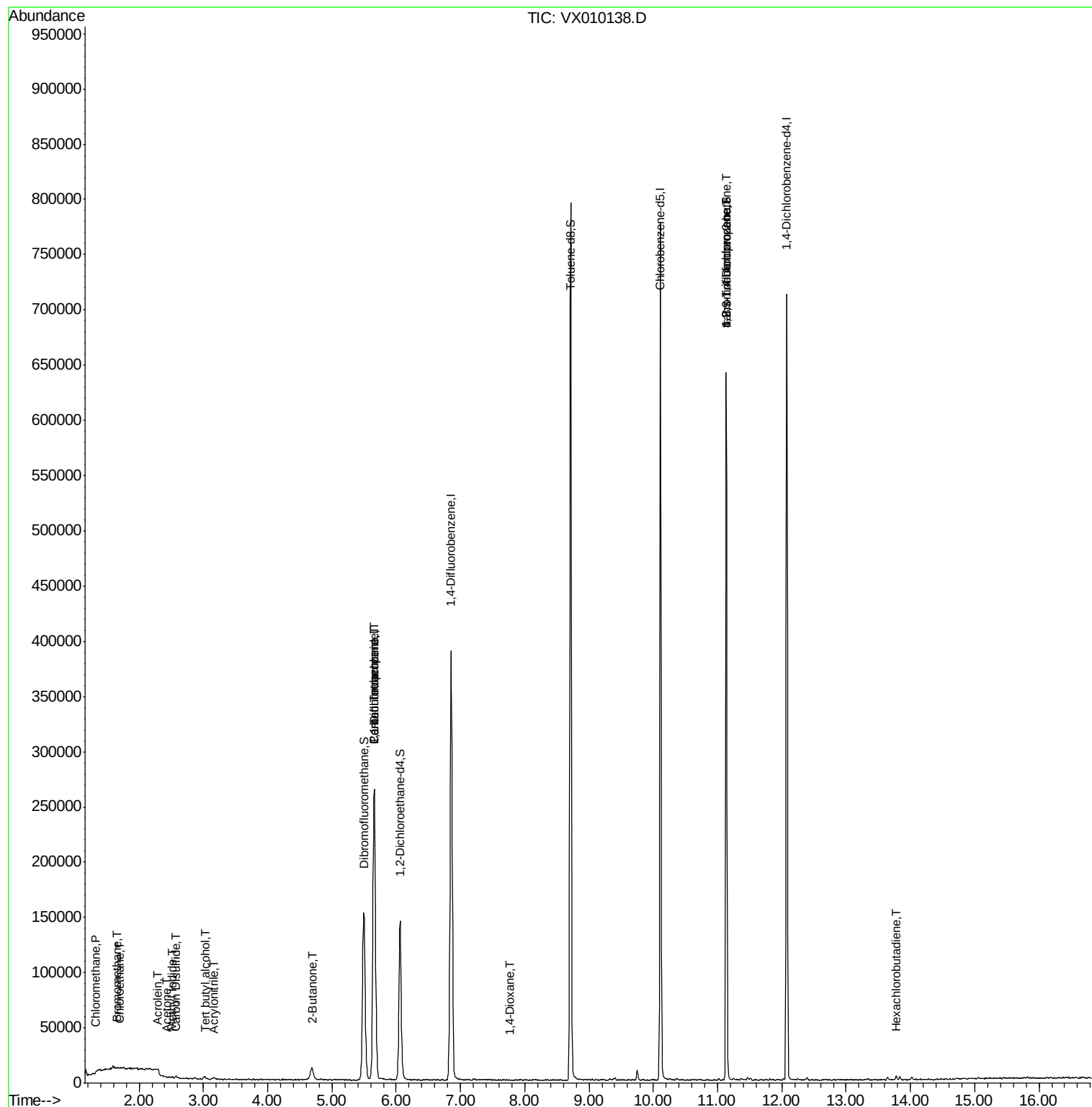
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	698	0.269	ug/l	93
5) Bromomethane	1.67	94	636	0.690	ug/l #	72
6) Chloroethane	1.69	64	1372	1.114	ug/l #	46
10) Methyl Iodide	2.51	142	1359	0.351	ug/l	98
11) Tert butyl alcohol	3.02	59	1487	2.187	ug/l #	85
13) Acrolein	2.29	56	359	2.895	ug/l #	1
15) Acrylonitrile	3.17	53	794	0.571	ug/l #	29
16) Acetone	2.44	43	426	0.326	ug/l #	64
17) Carbon Disulfide	2.57	76	2006	0.272	ug/l #	94
25) 2-Butanone	4.68	43	402	0.207	ug/l #	82
36) 1,1-Dichloropropene	5.66	75	17024	4.886	ug/l #	52
38) Carbon Tetrachloride	5.66	117	24247	6.148	ug/l #	16
49) 1,4-Dioxane	7.76	88	20	0.247	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74879	23.044	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	74879	50.914	ug/l #	10
94) Hexachlorobutadiene	13.78	225	516	0.297	ug/l	88

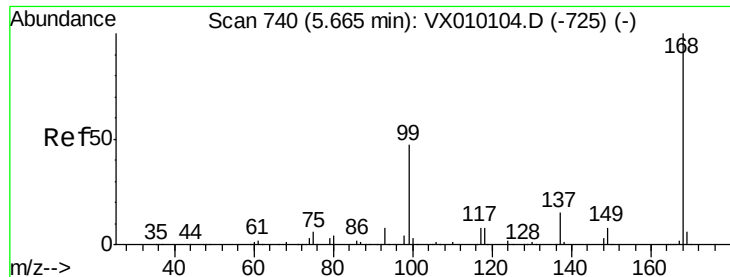
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
Data File : VX010138.D
Acq On : 08 Jun 2019 15:10
Operator : JC/SP
Sample : VX0608WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL01

Quant Time: Jun 10 07:59:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
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: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

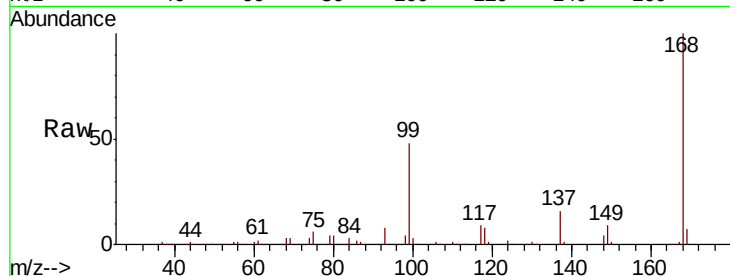
VX0608WBL01

Tgt Ion:168 Resp: 284382

Ion Ratio Lower Upper

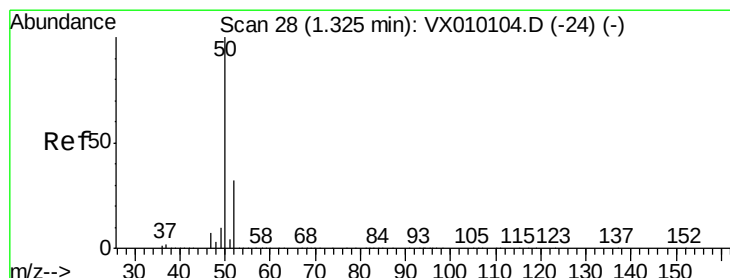
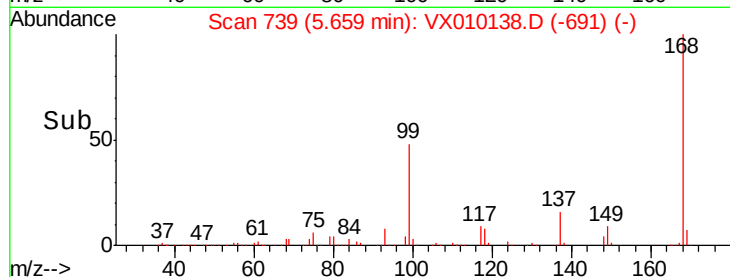
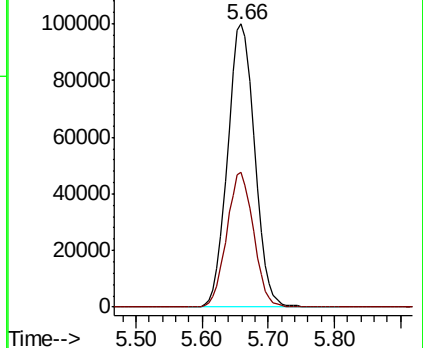
168 100

99 47.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.269 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010138.D

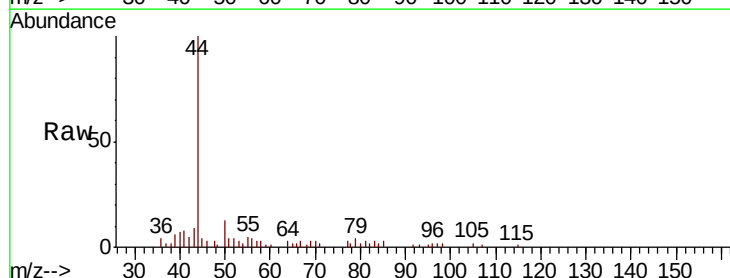
Acq: 08 Jun 2019 15:10

Tgt Ion: 50 Resp: 698

Ion Ratio Lower Upper

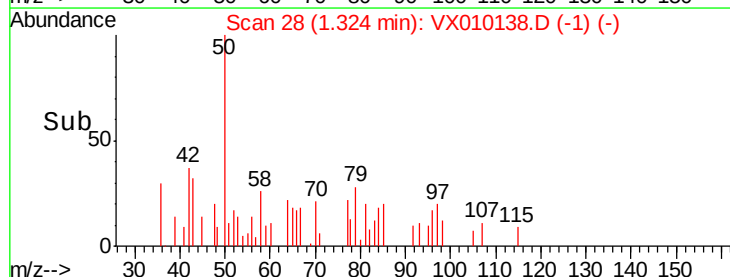
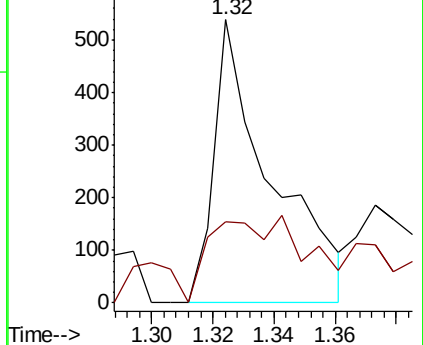
50 100

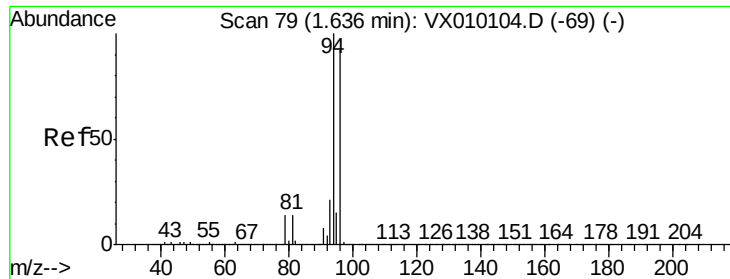
52 28.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.690 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

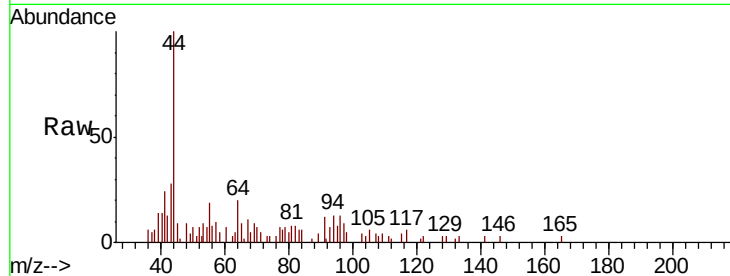
VX0608WBL01

Tgt Ion: 94 Resp: 636

Ion Ratio Lower Upper

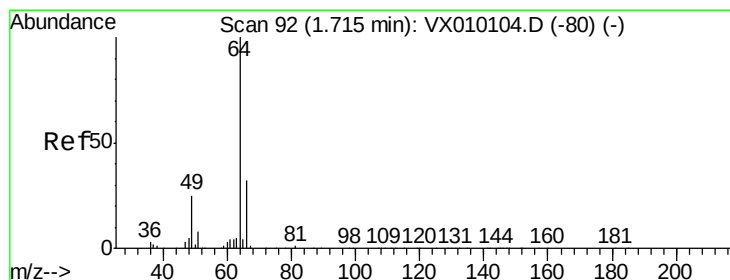
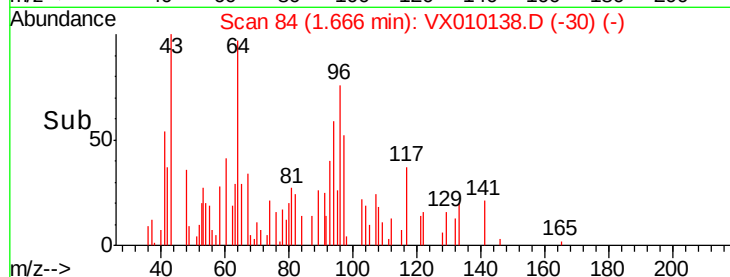
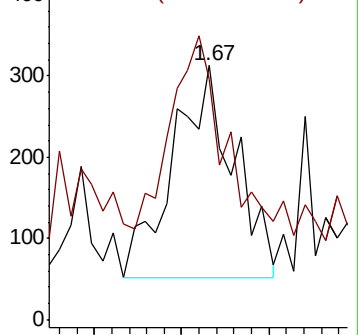
94 100

96 68.2 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.114 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010138.D

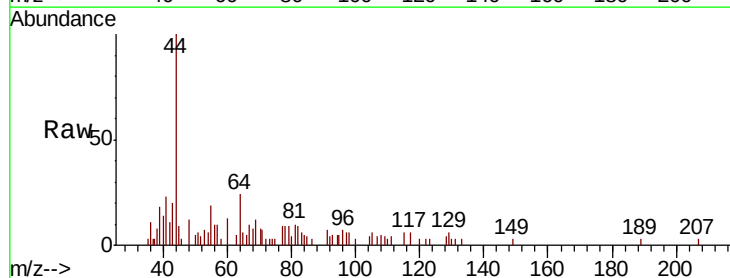
Acq: 08 Jun 2019 15:10

Tgt Ion: 64 Resp: 1372

Ion Ratio Lower Upper

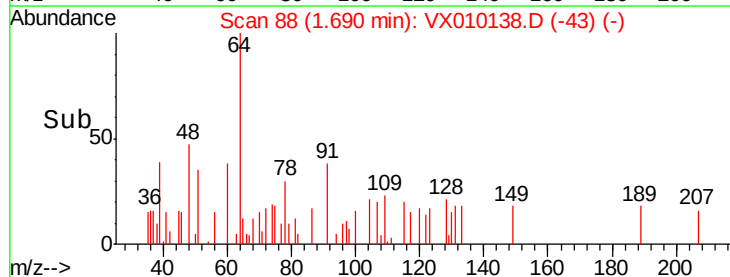
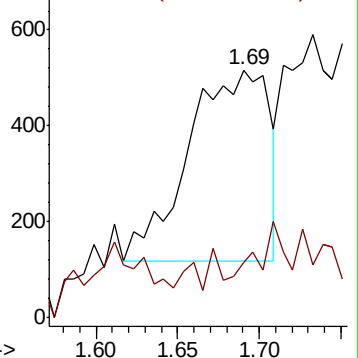
64 100

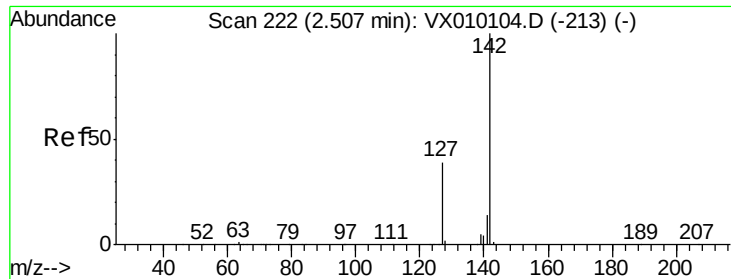
66 1.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

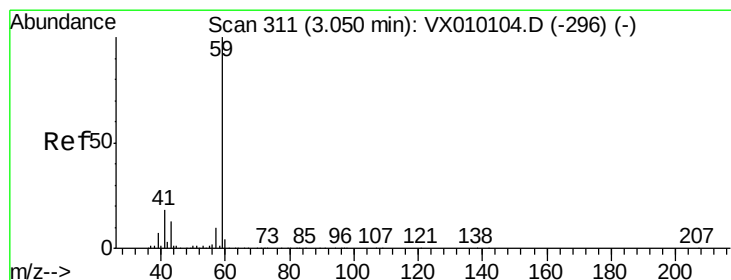
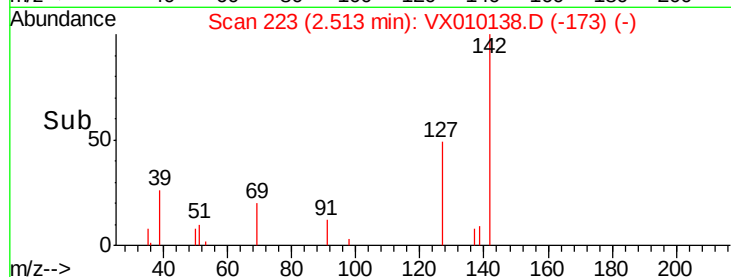
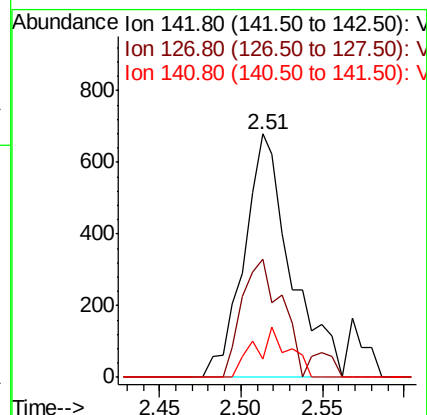
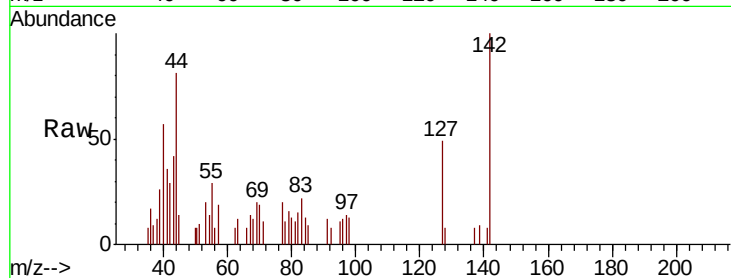




#10
Methyl Iodide
Concen: 0.351 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010138.D
Acq: 08 Jun 2019 15:10

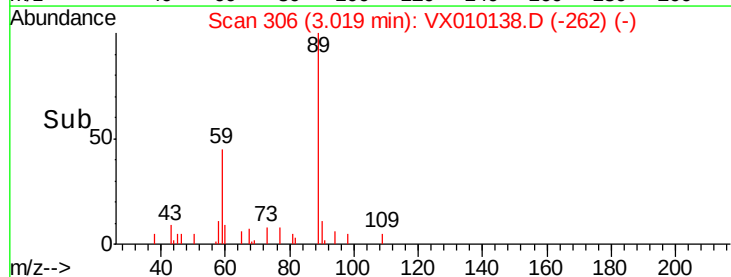
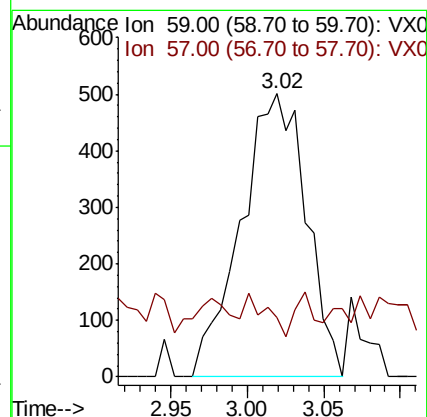
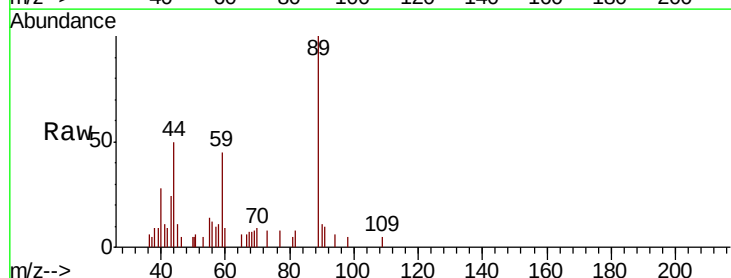
Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL01

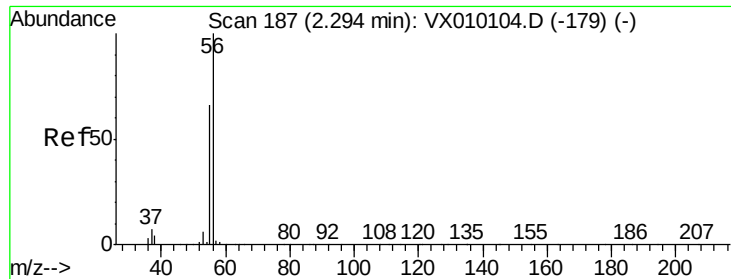
Tgt Ion: 142 Resp: 1359
Ion Ratio Lower Upper
142 100
127 42.6 33.0 49.4
141 15.3 11.4 17.0



#11
Tert butyl alcohol
Concen: 2.187 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010138.D
Acq: 08 Jun 2019 15:10

Tgt Ion: 59 Resp: 1487
Ion Ratio Lower Upper
59 100
57 4.5 8.2 12.2#





#13

Acrolein

Concen: 2.895 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

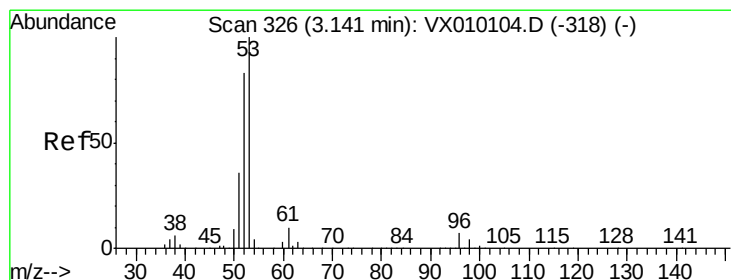
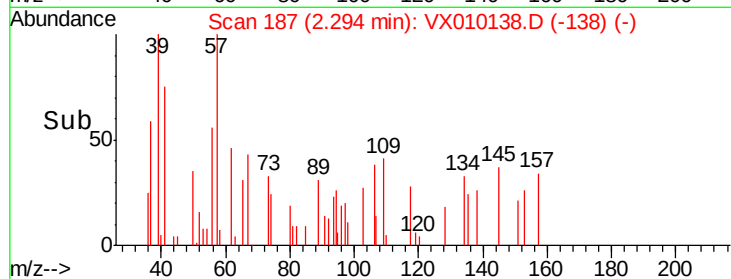
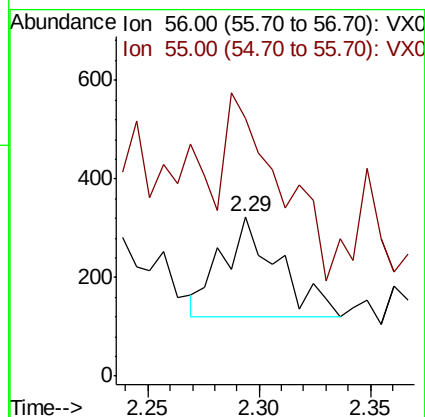
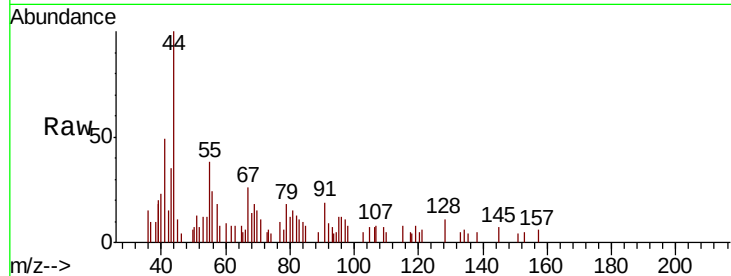
VX0608WBL01

Tgt Ion: 56 Resp: 359

Ion Ratio Lower Upper

56 100

55 172.7 57.0 85.4#



#15

Acrylonitrile

Concen: 0.571 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

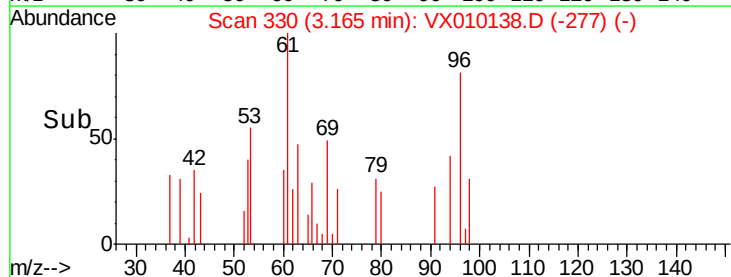
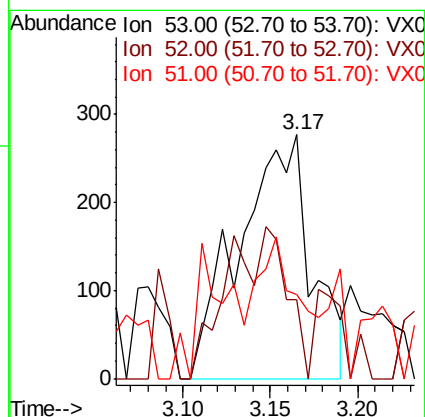
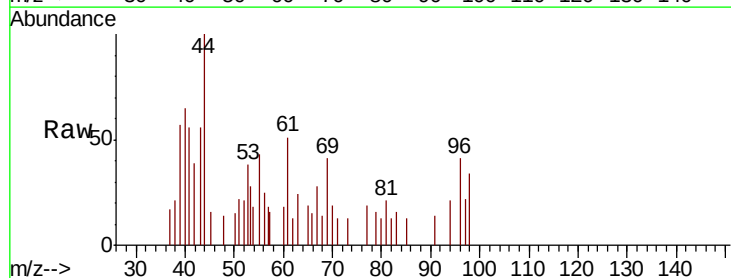
Tgt Ion: 53 Resp: 794

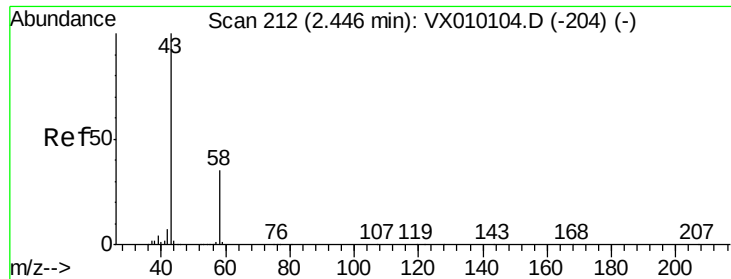
Ion Ratio Lower Upper

53 100

52 15.1 66.7 100.1#

51 0.0 28.8 43.2#





#16

Acetone

Concen: 0.326 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

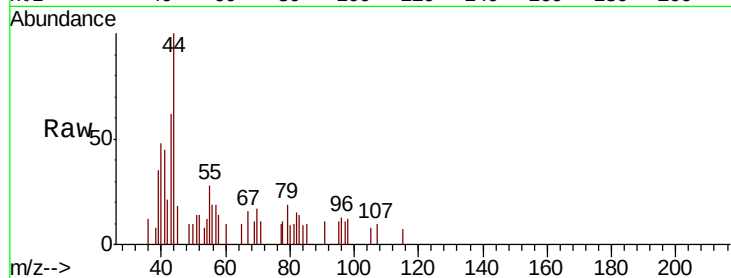
VX0608WBL01

Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

58 9.9 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

400

300

200

100

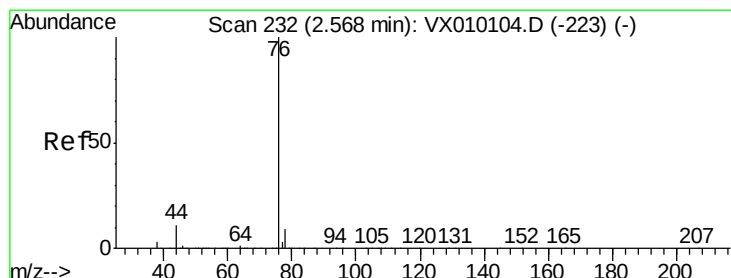
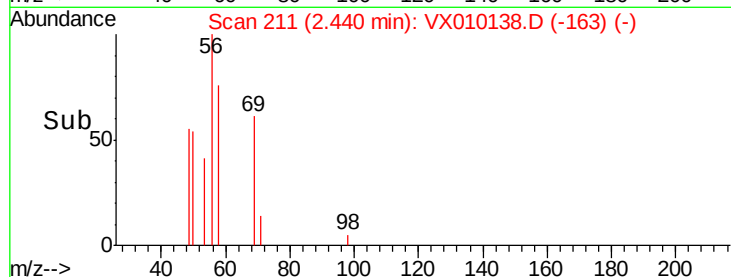
0

2.40

2.45

2.50

Time-->



#17

Carbon Disulfide

Concen: 0.272 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010138.D

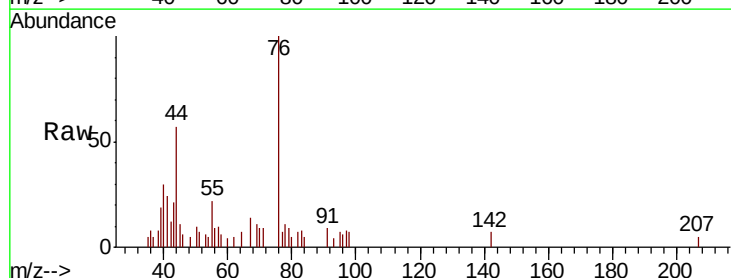
Acq: 08 Jun 2019 15:10

Tgt Ion: 76 Resp: 2006

Ion Ratio Lower Upper

76 100

78 11.1 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1000

500

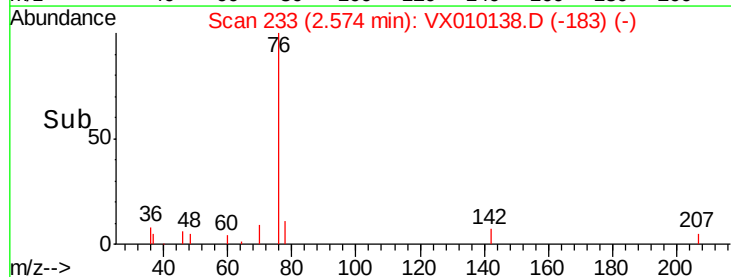
0

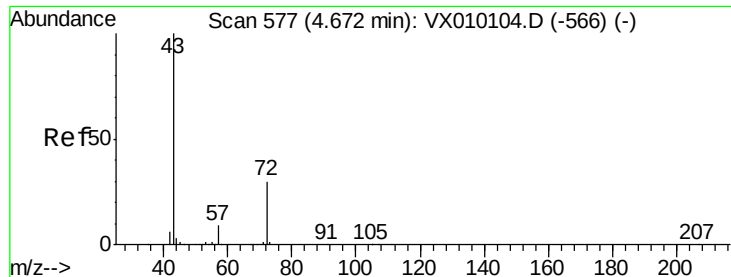
2.50

2.55

2.60

Time-->





#25

2-Butanone

Concen: 0.207 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

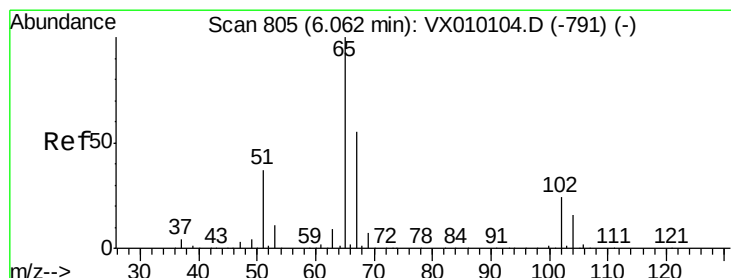
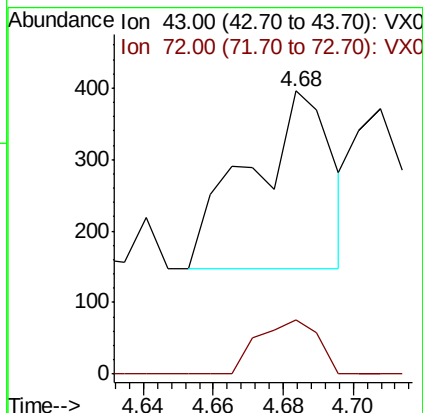
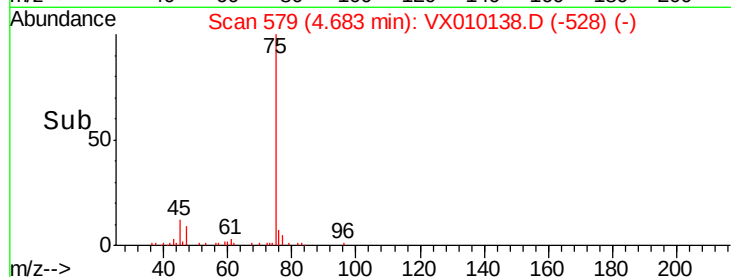
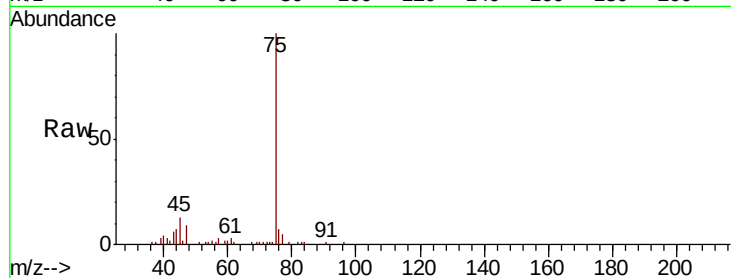
VX0608WBL01

Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

43 100

72 30.2 17.5 26.3#



#33

1,2-Dichloroethane-d4

Concen: 46.137 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010138.D

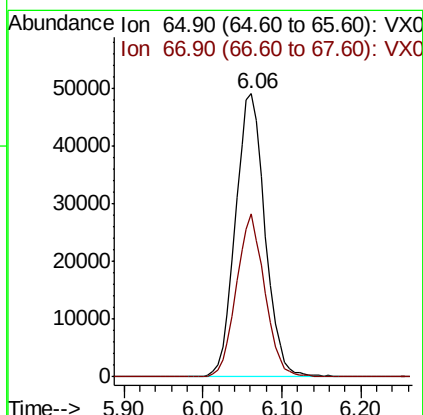
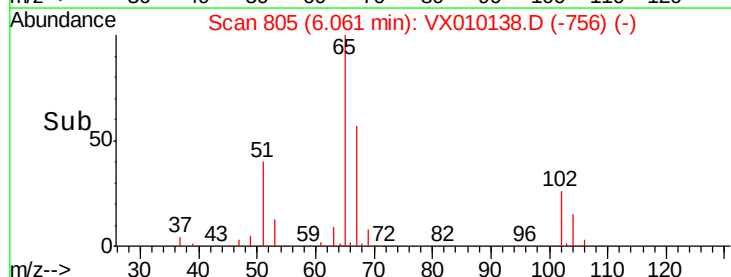
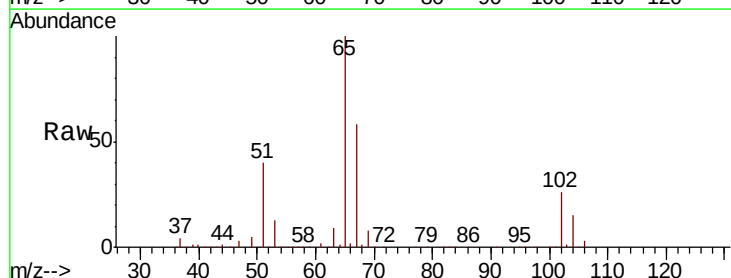
Acq: 08 Jun 2019 15:10

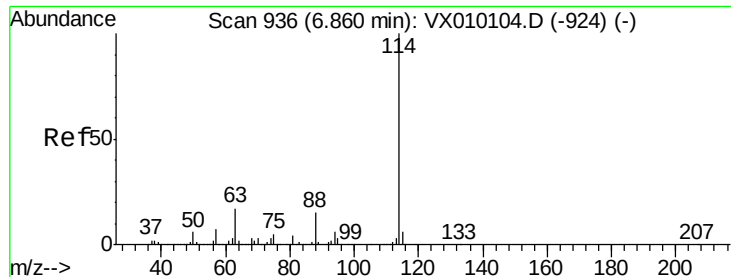
Tgt Ion: 65 Resp: 128071

Ion Ratio Lower Upper

65 100

67 54.7 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBL01

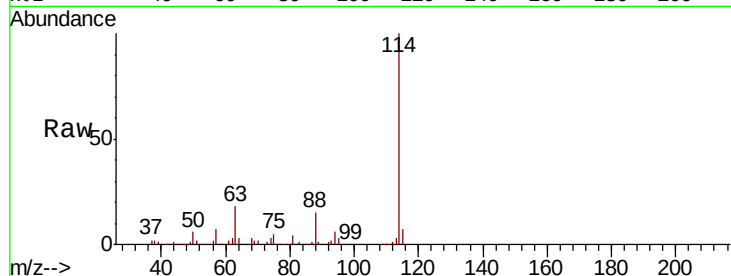
Tgt Ion:114 Resp: 427109

Ion Ratio Lower Upper

114 100

63 17.7 0.0 47.4

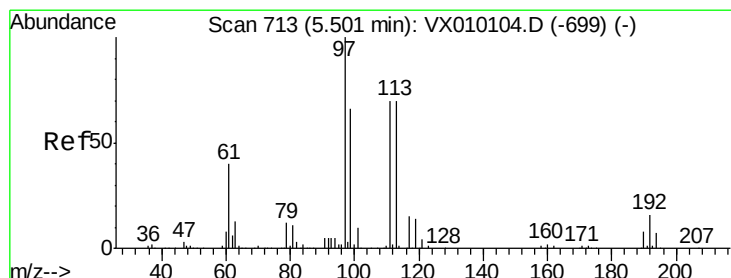
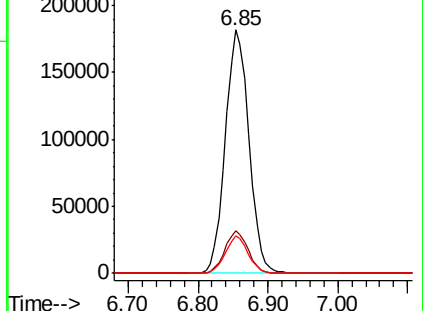
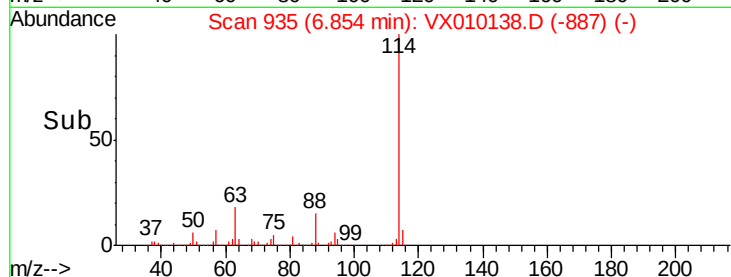
88 15.2 0.0 33.0



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: 49.996 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

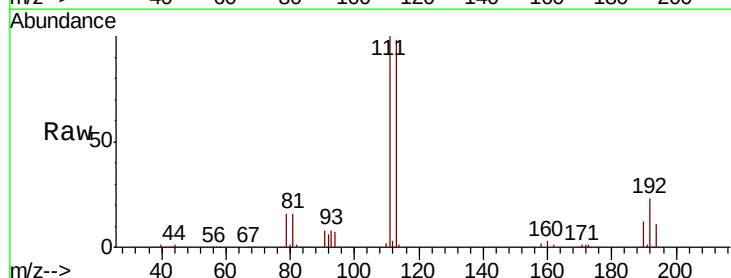
Tgt Ion:113 Resp: 131715

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

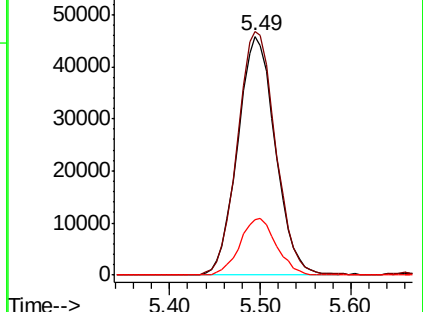
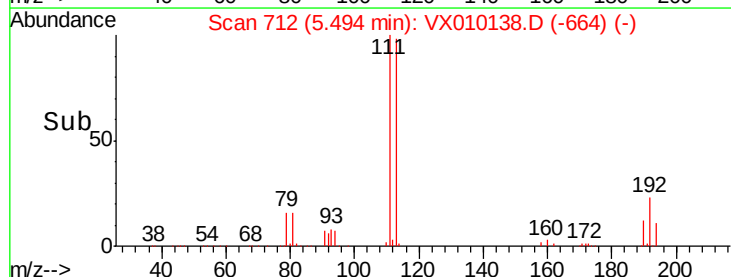
192 23.2 17.1 25.7

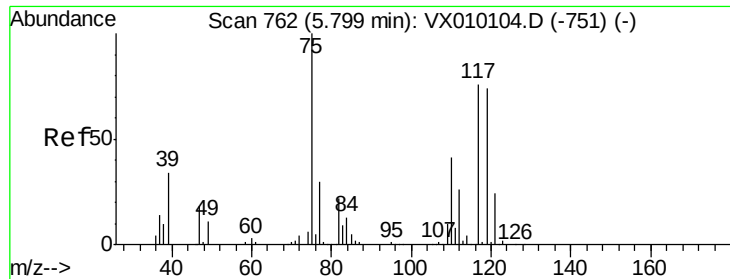


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

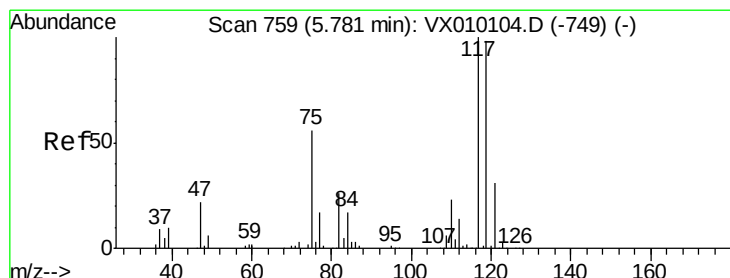
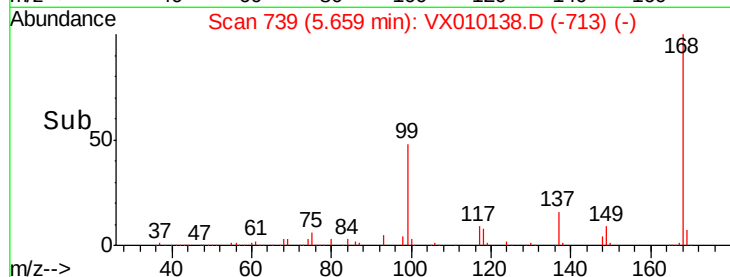
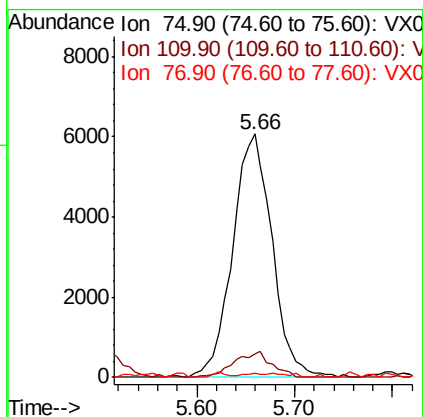
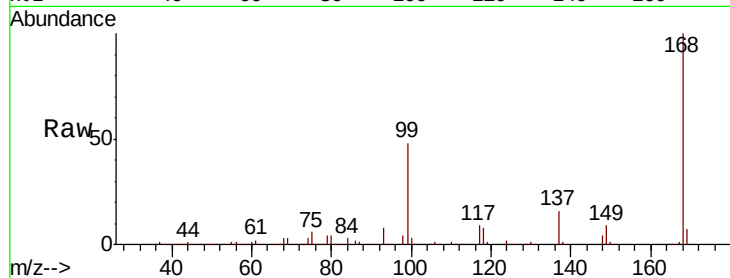




#36
 1,1-Dichloropropene
 Concen: 4.886 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010138.D
 Acq: 08 Jun 2019 15:10

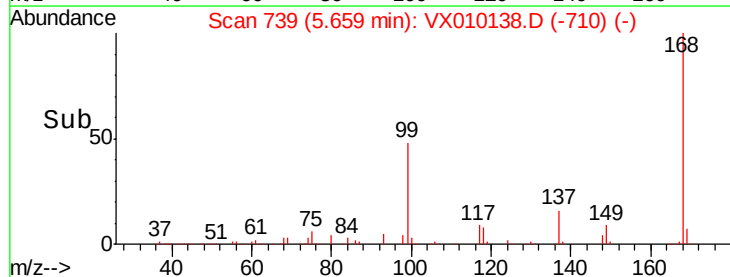
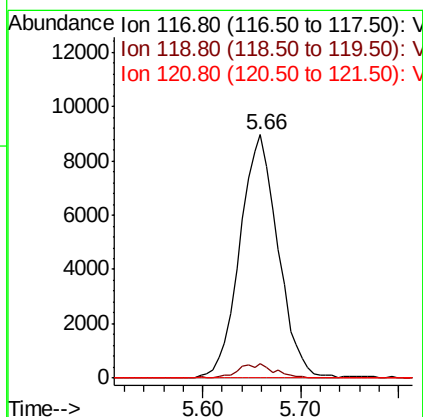
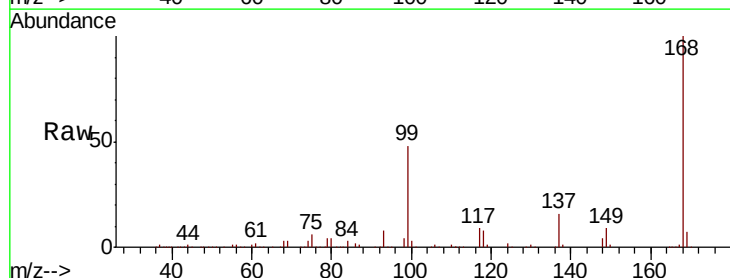
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBL01

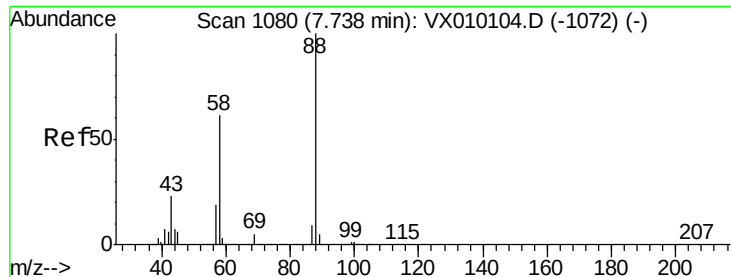
Tgt Ion: 75 Resp: 17024
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.148 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010138.D
 Acq: 08 Jun 2019 15:10

Tgt Ion: 117 Resp: 24247
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.3 115.9#
 121 0.0 25.4 38.0#





#49

1,4-Dioxane

Concen: 0.247 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBL01

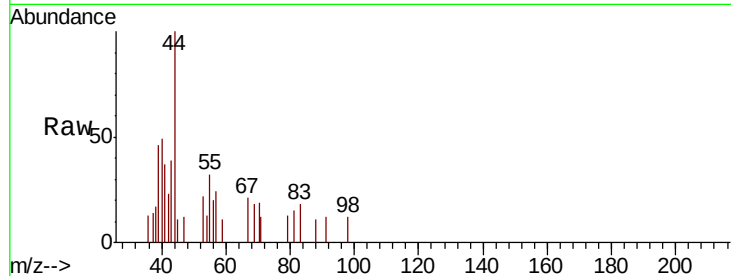
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

58 290.0 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

300

250

200

150

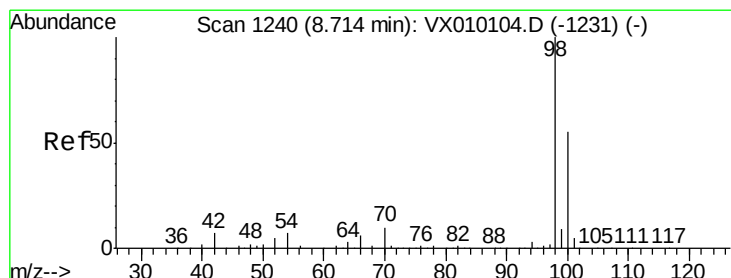
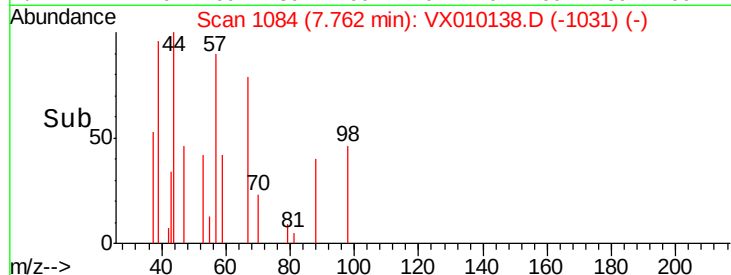
100

50

0

7.74 7.75 7.76 7.77 7.78

Time-->



#50

Toluene-d8

Concen: 50.297 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010138.D

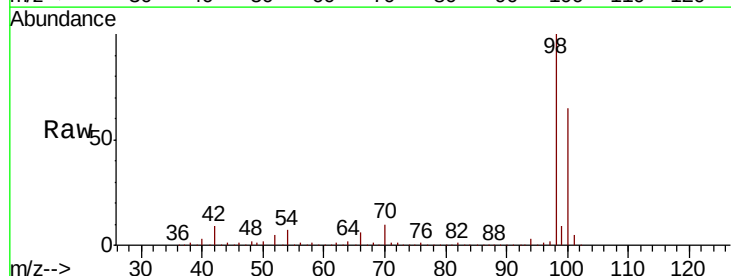
Acq: 08 Jun 2019 15:10

Tgt Ion: 98 Resp: 496622

Ion Ratio Lower Upper

98 100

100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

300000

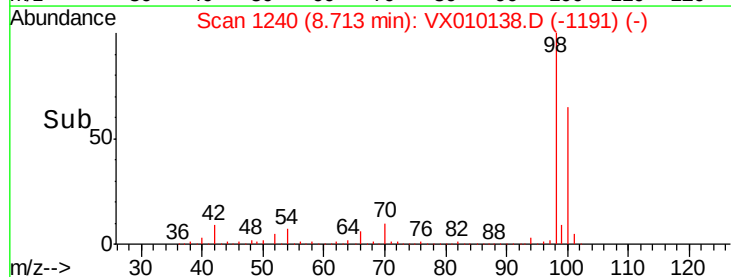
200000

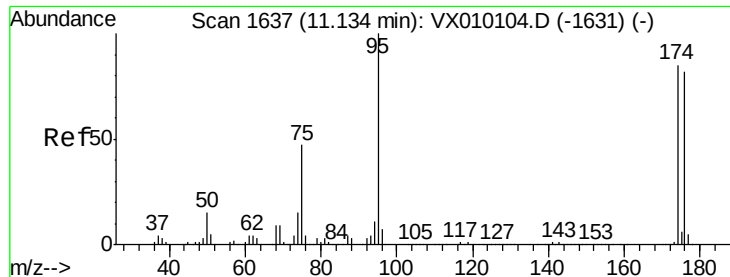
100000

0

8.60 8.70 8.80

Time-->





#62

4-Bromofluorobenzene

Concen: 45.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0608WBL01

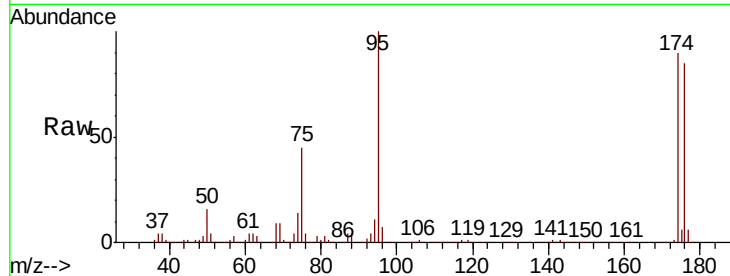
Tgt Ion: 95 Resp: 167135

Ion Ratio Lower Upper

95 100

174 92.2 0.0 160.4

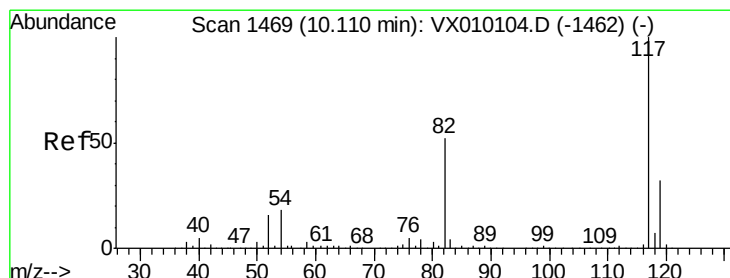
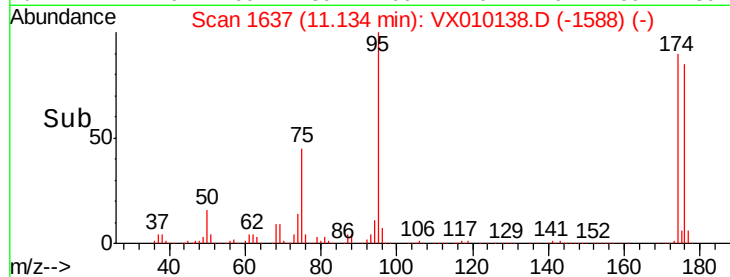
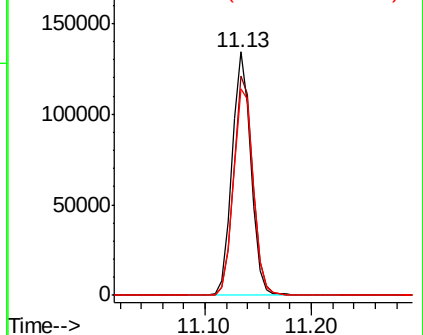
176 89.6 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010138.D

Acq: 08 Jun 2019 15:10

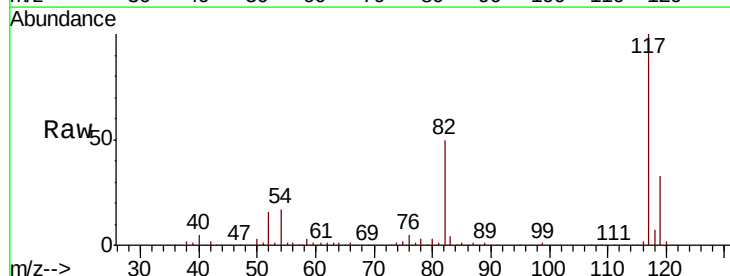
Tgt Ion: 117 Resp: 370970

Ion Ratio Lower Upper

117 100

82 50.2 49.2 73.8

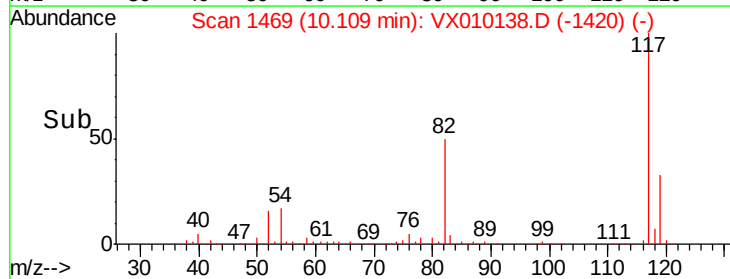
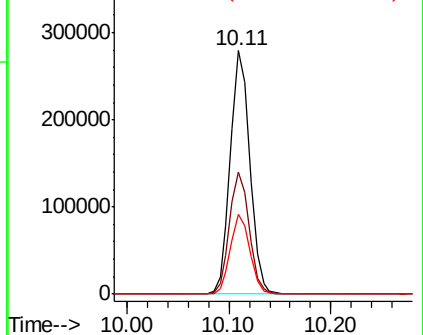
119 32.7 25.2 37.8

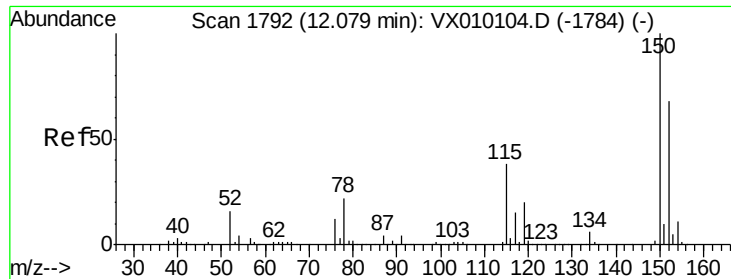


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



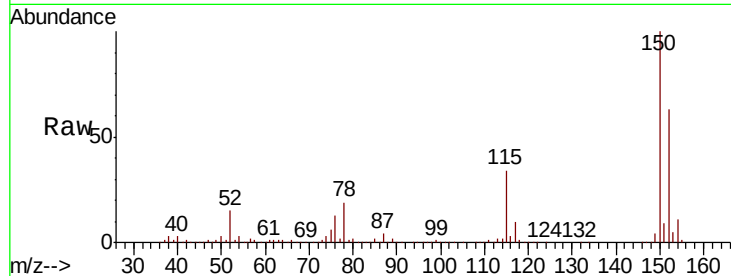


#72

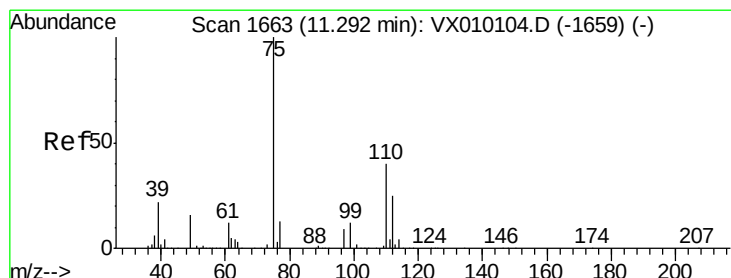
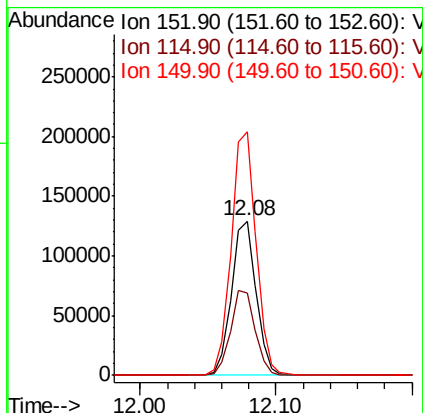
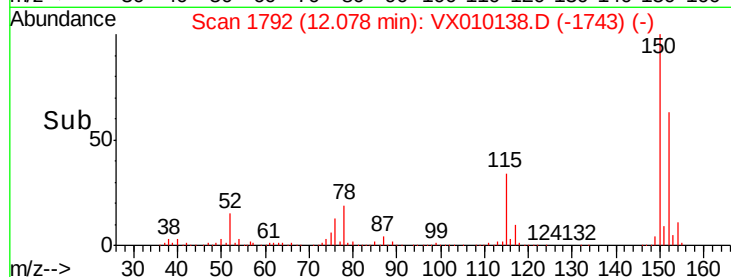
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010138.D
Acq: 08 Jun 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL01

Tgt Ion:152 Resp: 162455
Ion Ratio Lower Upper
152 100
115 55.0 41.4 124.2
150 158.7 0.0 345.2



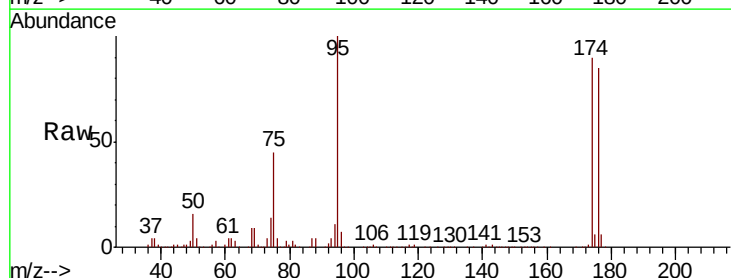
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



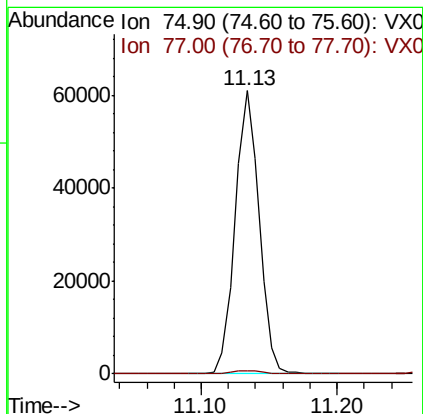
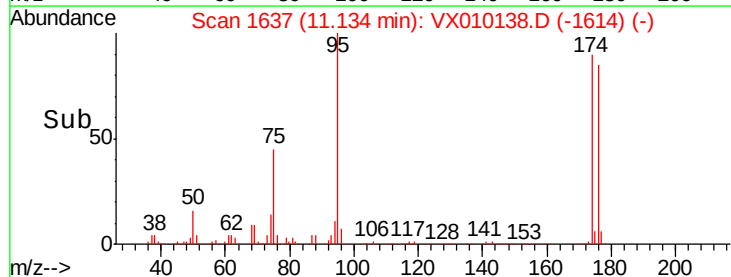
#76

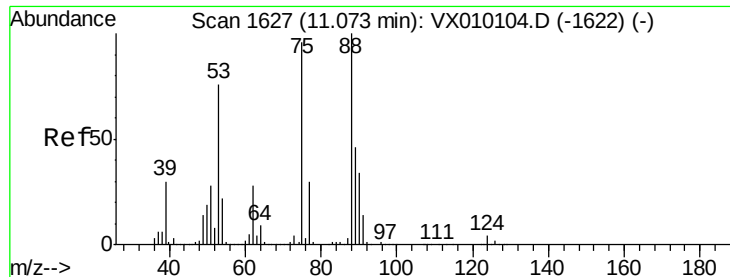
1,2,3-Trichloropropane
Concen: 23.044 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010138.D
Acq: 08 Jun 2019 15:10

Tgt Ion: 75 Resp: 74879
Ion Ratio Lower Upper
75 100
77 1.6 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

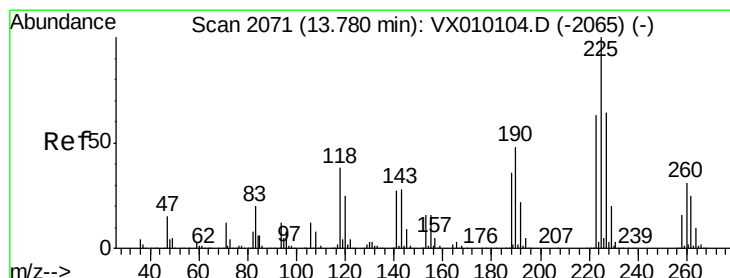
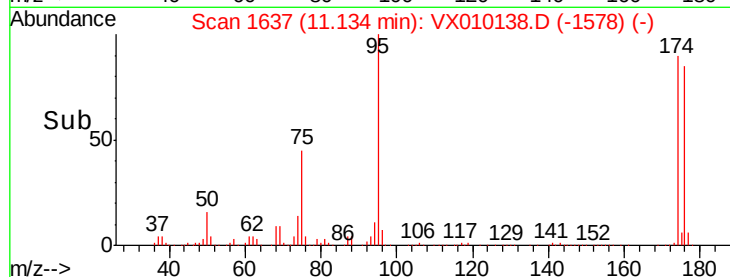
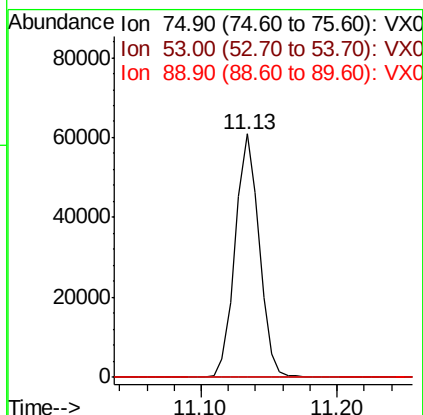
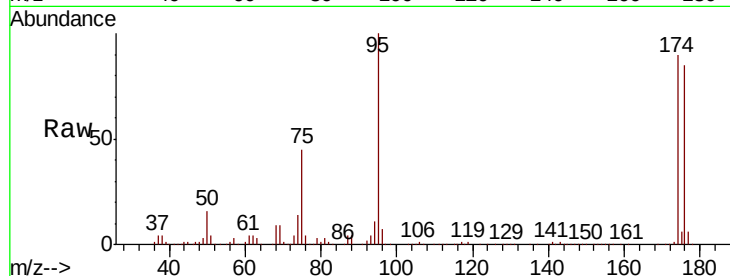




#81
trans-1,4-Dichloro-2-butene
Concen: 50.914 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010138.D
Acq: 08 Jun 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBL01

Tgt Ion: 75 Resp: 74879
Ion Ratio Lower Upper
75 100
53 0.2 79.8 119.6#
89 0.0 34.2 51.4#



#94
Hexachlorobutadiene
Concen: 0.297 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010138.D
Acq: 08 Jun 2019 15:10

Tgt Ion: 225 Resp: 516
Ion Ratio Lower Upper
225 100
223 65.5 31.3 93.8
227 49.0 32.3 96.8

