

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010110.D
 Acq On : 07 Jun 2019 15:53
 Operator : JC/SP
 Sample : VX0607WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBL01

Quant Time: Jun 08 02:19:48 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	299609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	398365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177270	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	140911	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	5.49	113	142432	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	535751	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.13	95	184355	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

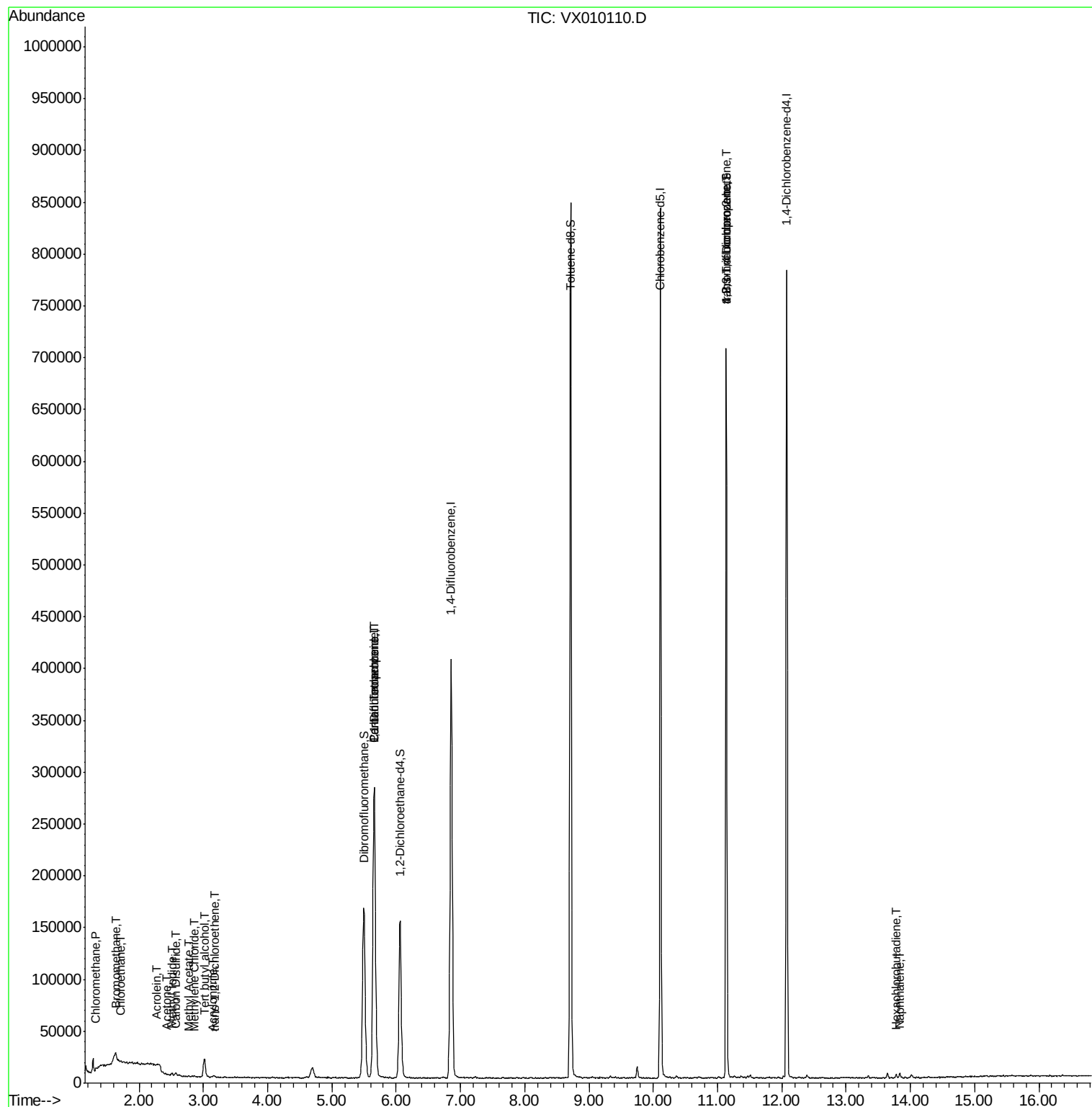
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	728	0.266	ug/l	97
5) Bromomethane	1.64	94	587	0.605	ug/l #	37
6) Chloroethane	1.71	64	1503	1.159	ug/l #	43
10) Methyl Iodide	2.51	142	1870	0.458	ug/l #	93
11) Tert butyl alcohol	3.01	59	10163	14.186	ug/l #	79
13) Acrolein	2.28	56	166	1.271	ug/l #	14
15) Acrylonitrile	3.15	53	571	0.390	ug/l #	5
16) Acetone	2.43	43	687	0.499	ug/l #	74
17) Carbon Disulfide	2.57	76	3317	0.427	ug/l #	89
18) Methyl Acetate	2.78	43	672	0.222	ug/l #	82
20) Methylene Chloride	2.85	84	849	0.281	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	784	0.263	ug/l #	37
36) 1,1-Dichloropropene	5.65	75	18264	4.894	ug/l #	52
38) Carbon Tetrachloride	5.66	117	26326	6.232	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	83654	23.593	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	83654	52.127	ug/l #	10
94) Hexachlorobutadiene	13.78	225	437	0.230	ug/l	89
95) Naphthalene	13.83	128	3239	0.241	ug/l	98

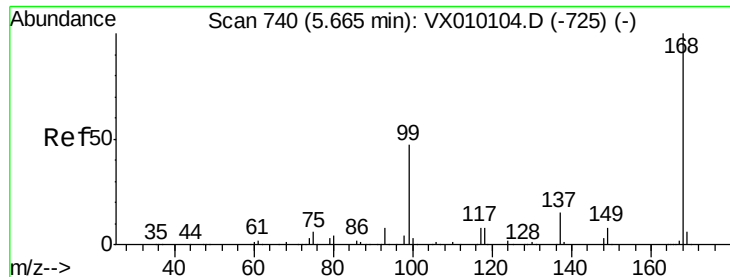
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

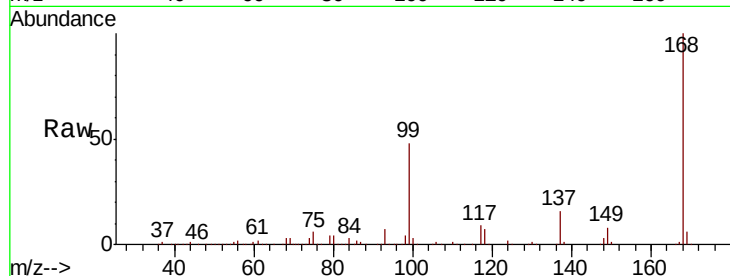
VX0607WBL01

Tot Ion:168 Resp: 299609

Ion Ratio Lower Upper

168 100

99 47.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

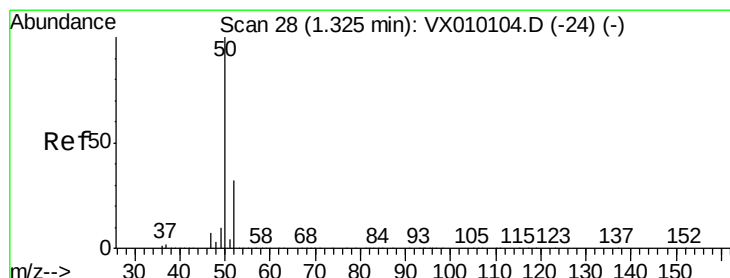
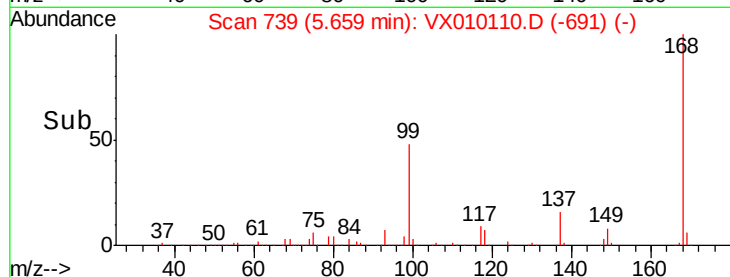
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.266 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010110.D

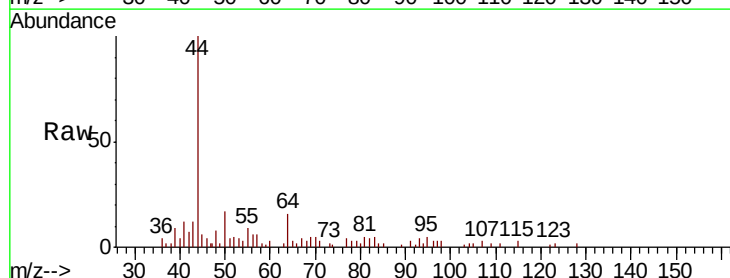
Acq: 07 Jun 2019 15:53

Tgt Ion: 50 Resp: 728

Ion Ratio Lower Upper

50 100

52 34.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

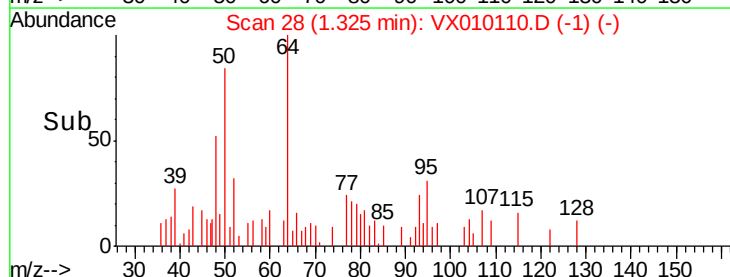
600

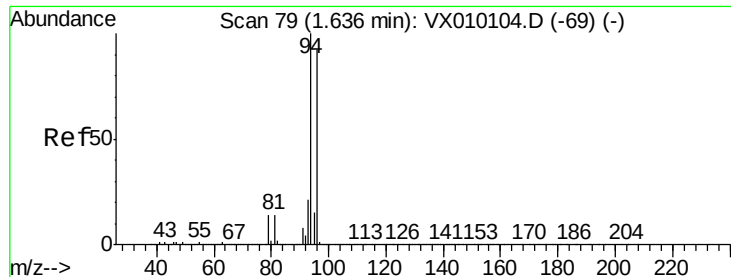
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.605 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

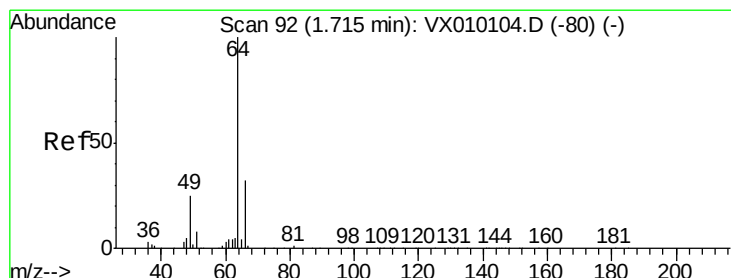
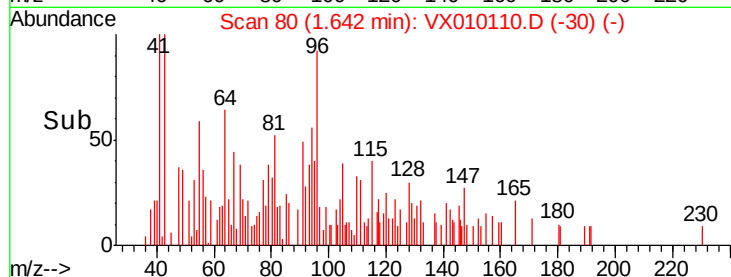
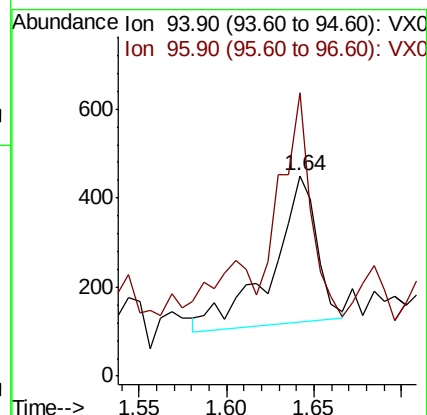
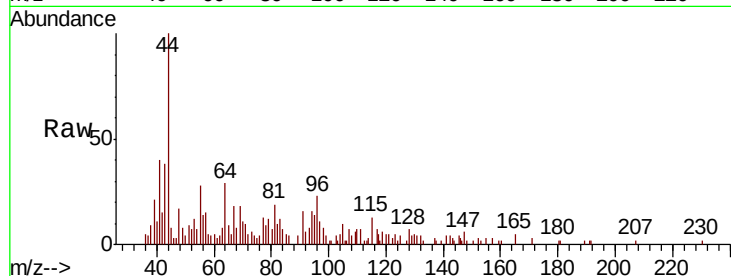
VX0607WBL01

Tot Ion: 94 Resp: 587

Ion Ratio Lower Upper

94 100

96 156.7 76.2 114.4#



#6

Chloroethane

Concen: 1.159 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010110.D

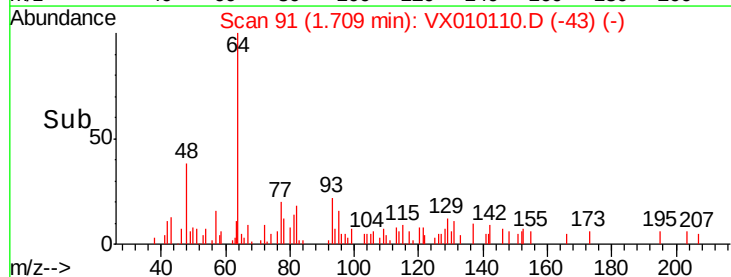
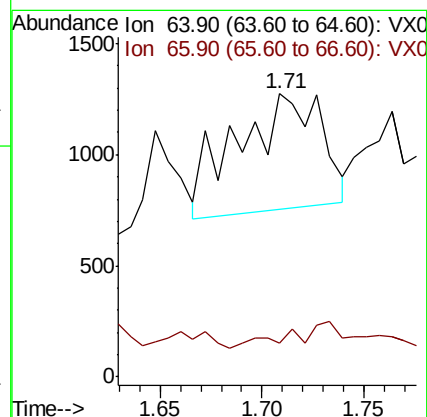
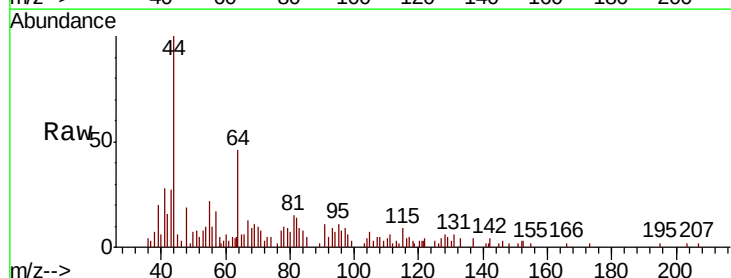
Acq: 07 Jun 2019 15:53

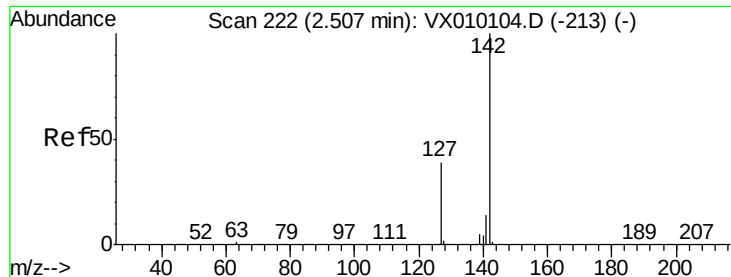
Tgt Ion: 64 Resp: 1503

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

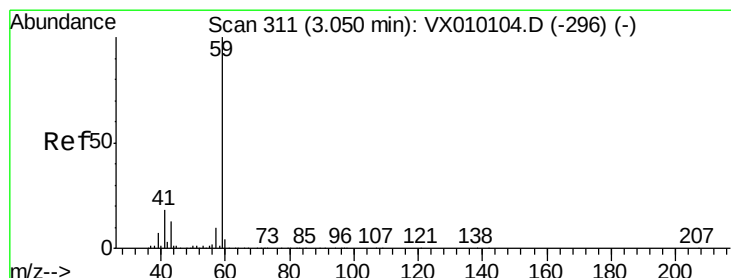
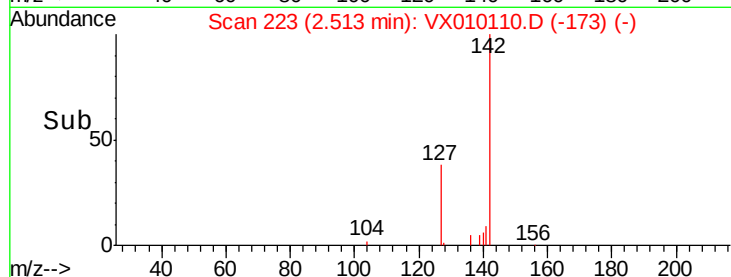
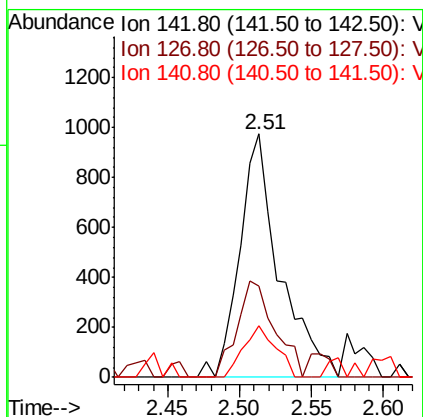
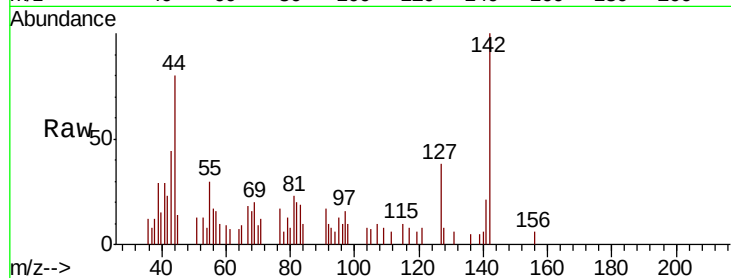




#10
Methvl Iodide
Concen: 0.458 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010110.D
Acq: 07 Jun 2019 15:53

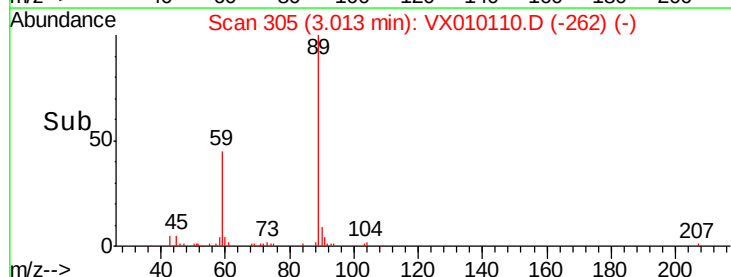
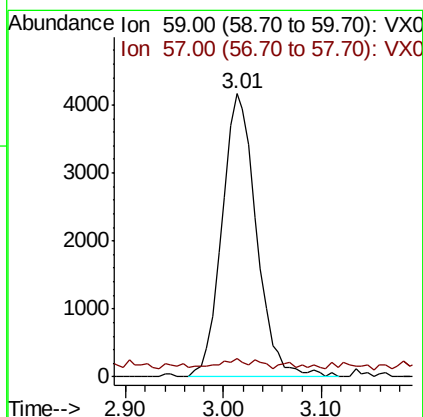
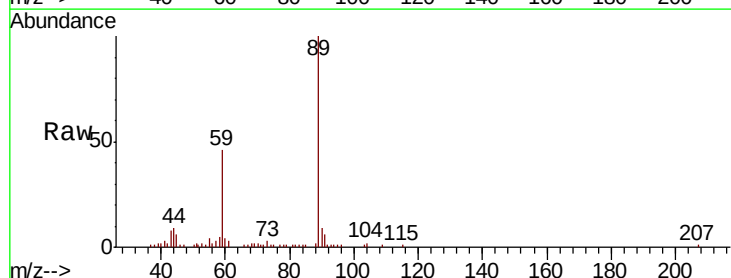
Instrument :
MSVOA_X
ClientSampleId :
VX0607WBL01

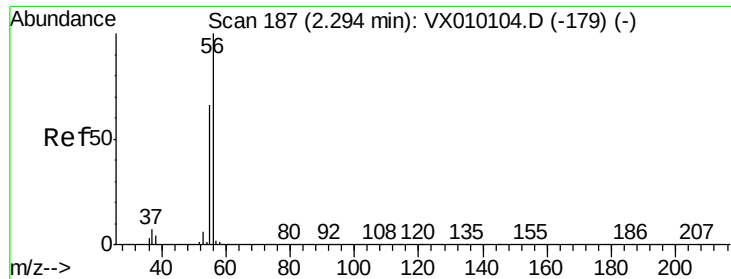
Tot Ion:142 Resp: 1870
Ion Ratio Lower Upper
142 100
127 37.2 33.0 49.4
141 17.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 14.186 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010110.D
Acq: 07 Jun 2019 15:53

Tgt Ion: 59 Resp: 10163
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.2#





#13

Acrolein

Concen: 1.271 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampled :

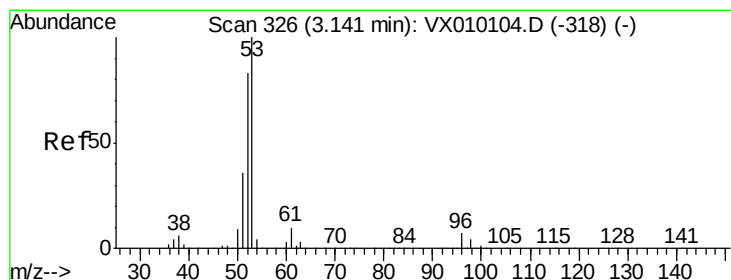
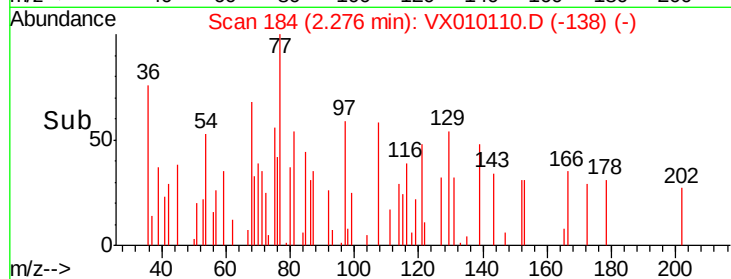
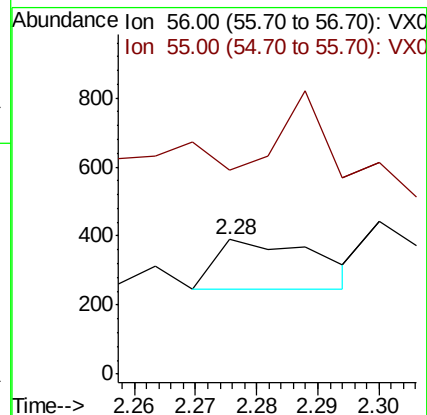
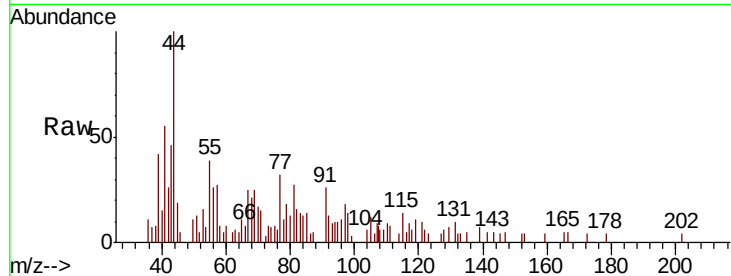
VX0607WBL01

Tot Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 0.390 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

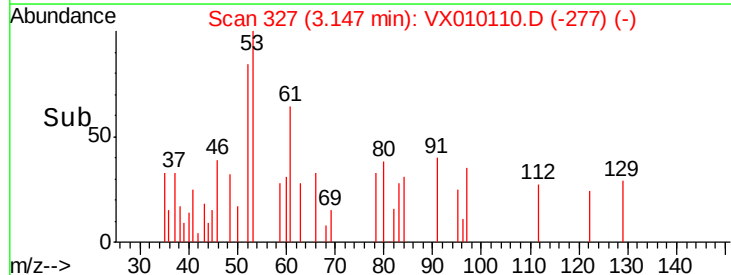
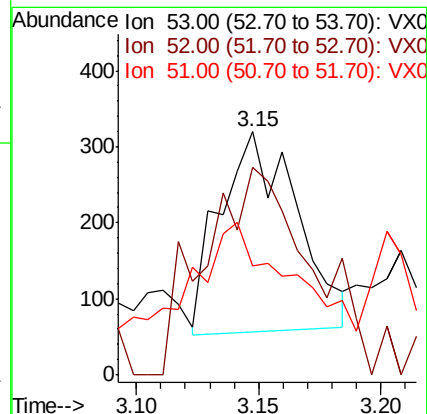
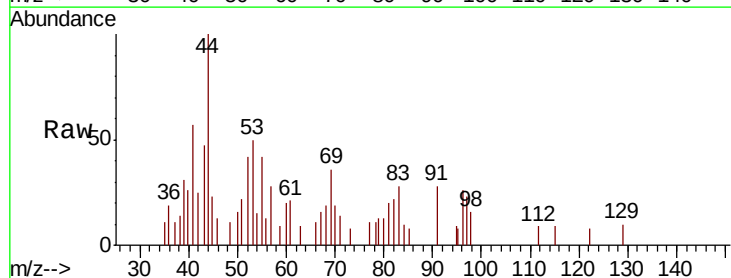
Tgt Ion: 53 Resp: 571

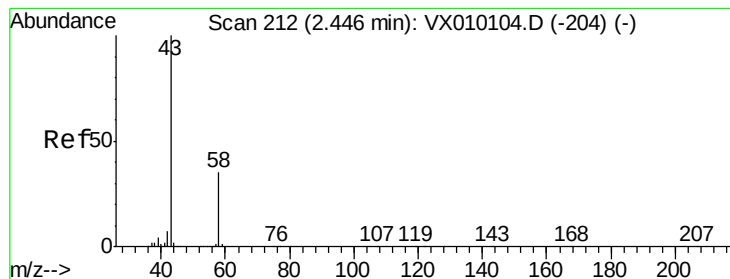
Ion Ratio Lower Upper

53 100

52 144.1 66.7 100.1#

51 129.6 28.8 43.2#





#16

Acetone

Concen: 0.499 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampled :

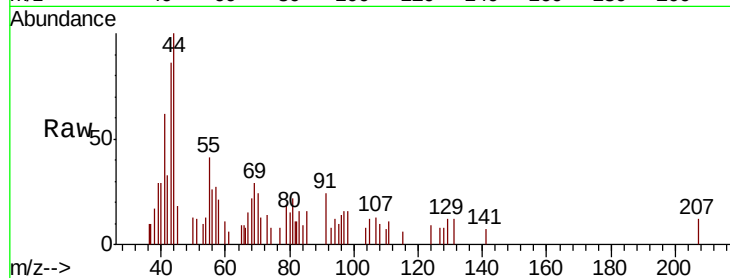
VX0607WBL01

Tot Ion: 43 Resp: 687

Ion Ratio Lower Upper

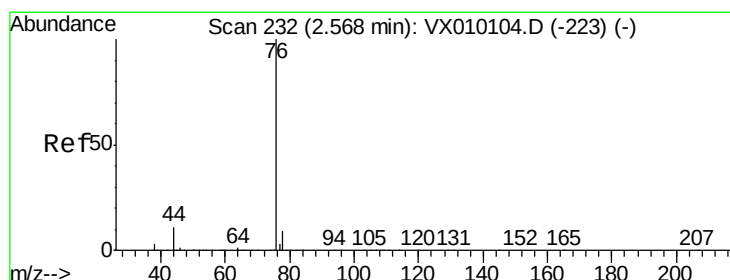
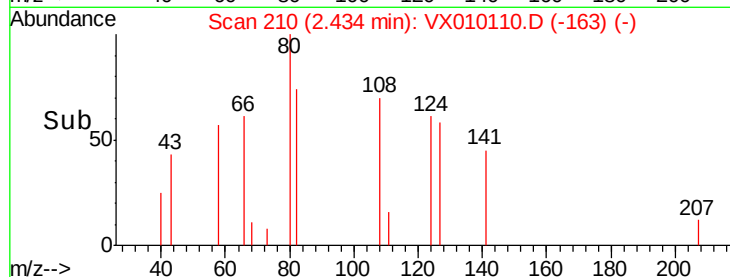
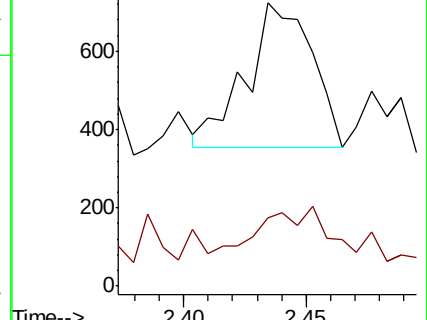
43 100

58 15.2 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.427 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010110.D

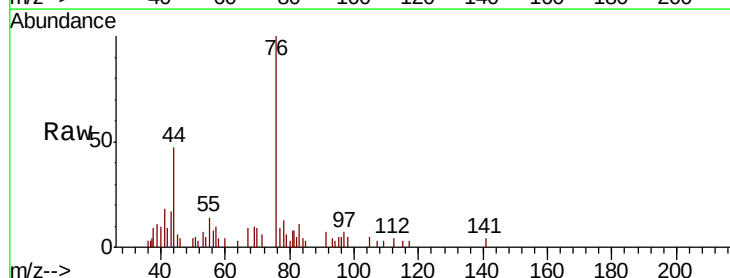
Acq: 07 Jun 2019 15:53

Tgt Ion: 76 Resp: 3317

Ion Ratio Lower Upper

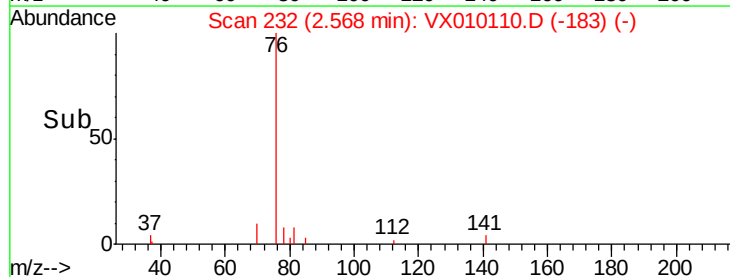
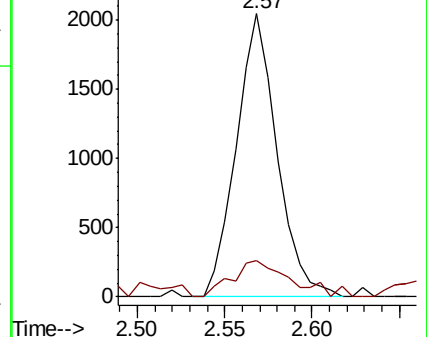
76 100

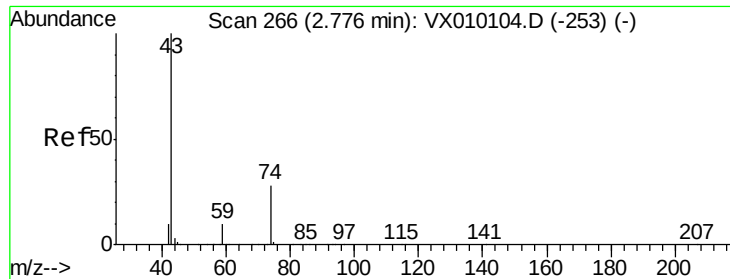
78 12.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

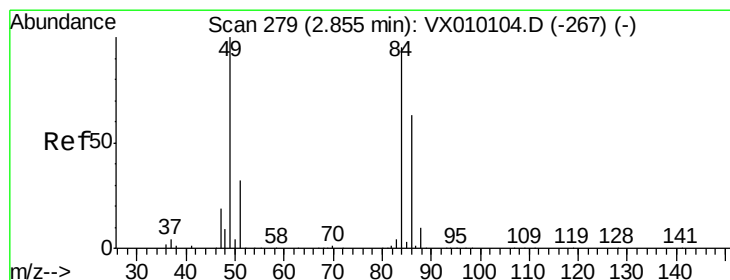
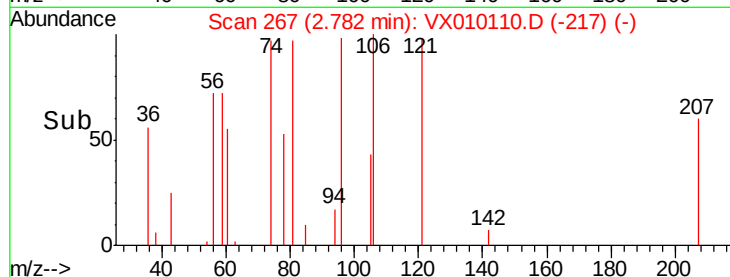
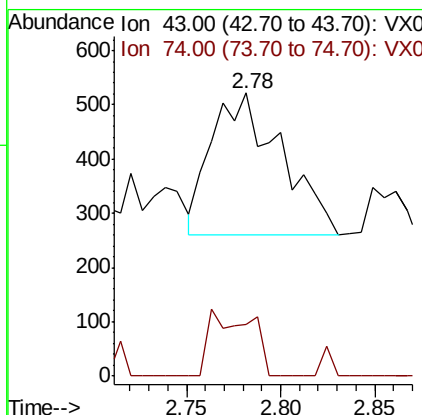
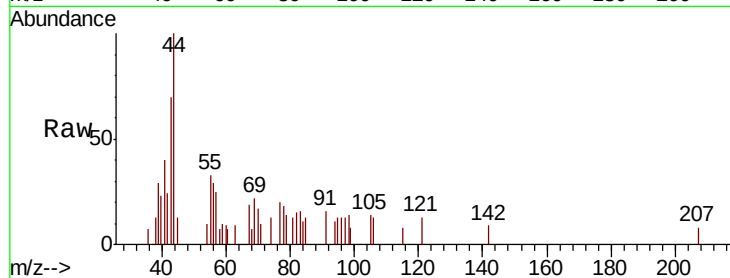




#18
Methyl Acetate
Concen: 0.222 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010110.D
Acq: 07 Jun 2019 15:53

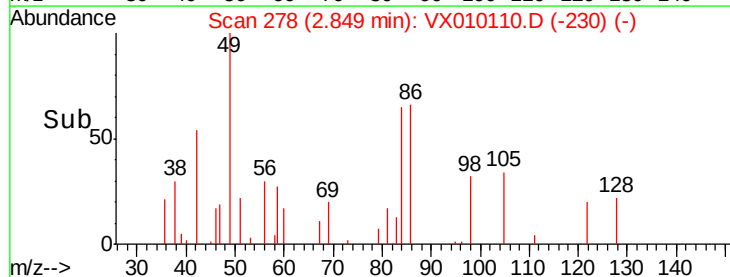
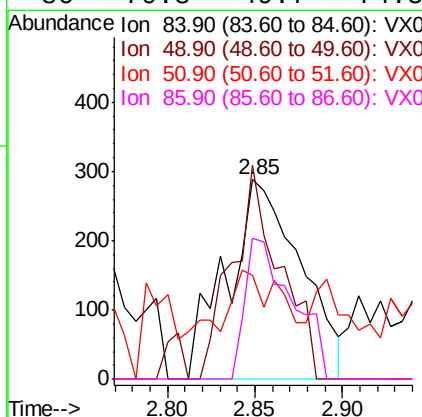
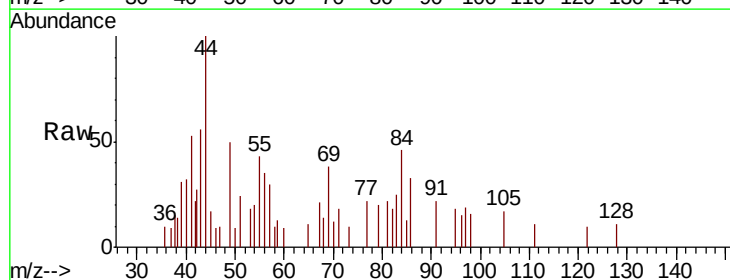
Instrument :
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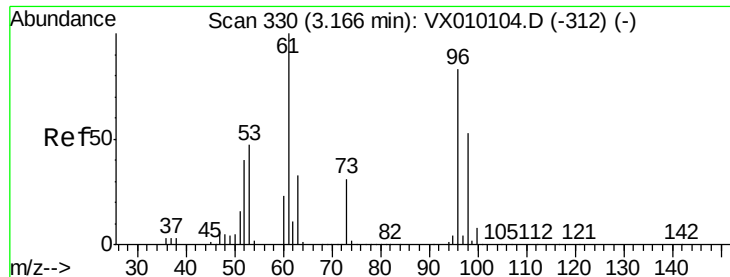
Tot Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
74 27.8 15.8 23.6#



#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010110.D
Acq: 07 Jun 2019 15:53

Tgt Ion: 84 Resp: 849
Ion Ratio Lower Upper
84 100
49 107.3 115.8 173.6#
51 28.1 34.4 51.6#
86 70.8 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 0.263 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBL01

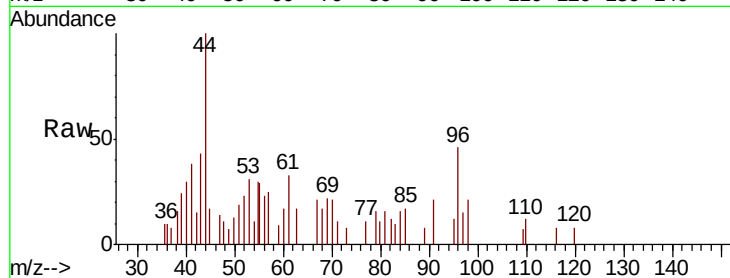
Tot Ion: 96 Resp: 784

Ion Ratio Lower Upper

96 100

61 72.0 125.7 188.5#

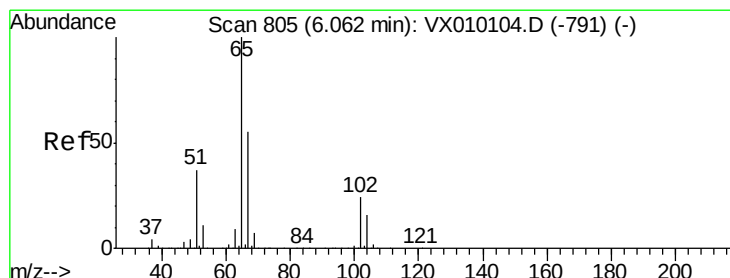
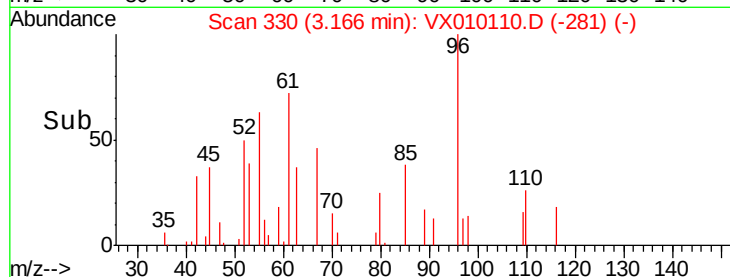
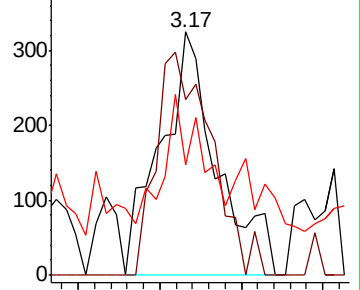
98 17.8 49.0 73.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.183 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010110.D

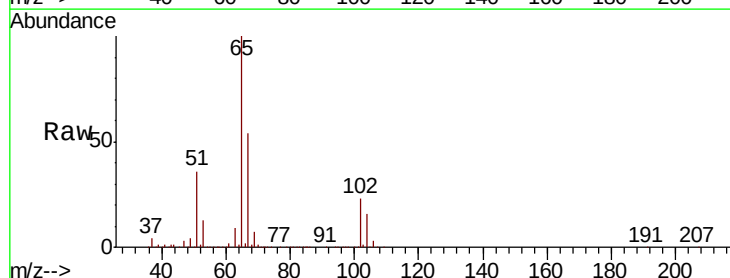
Acq: 07 Jun 2019 15:53

Tgt Ion: 65 Resp: 140911

Ion Ratio Lower Upper

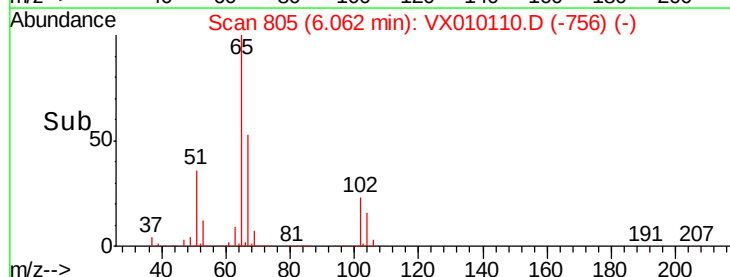
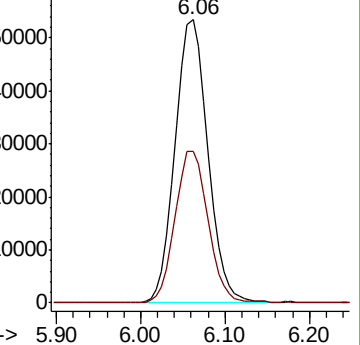
65 100

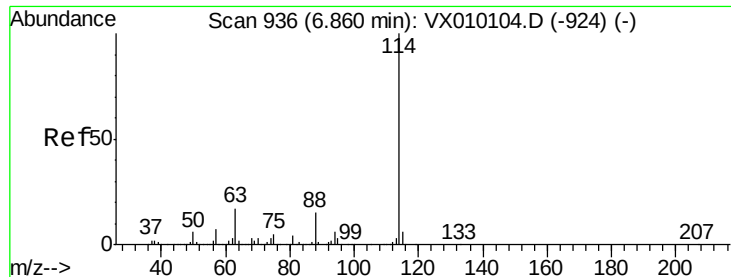
67 53.3 0.0 108.4



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: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBL01

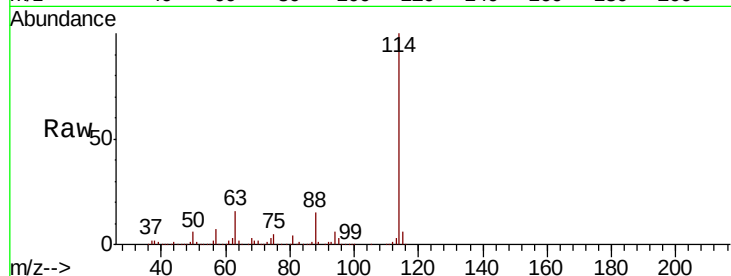
Tot Ion:114 Resp: 457420

Ion Ratio Lower Upper

114 100

63 16.4 0.0 47.4

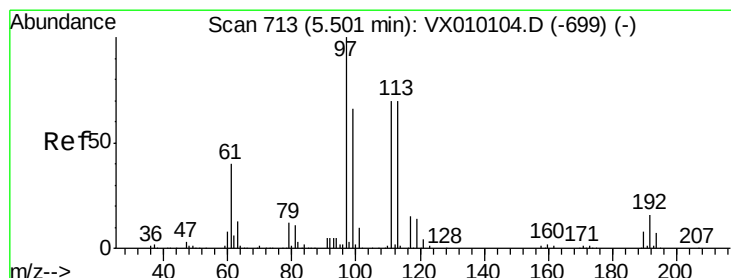
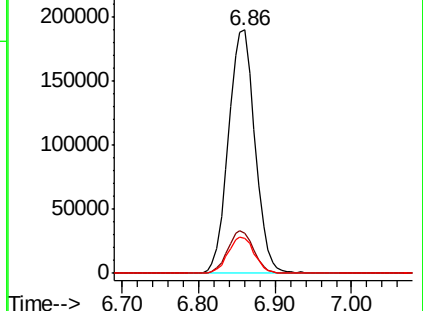
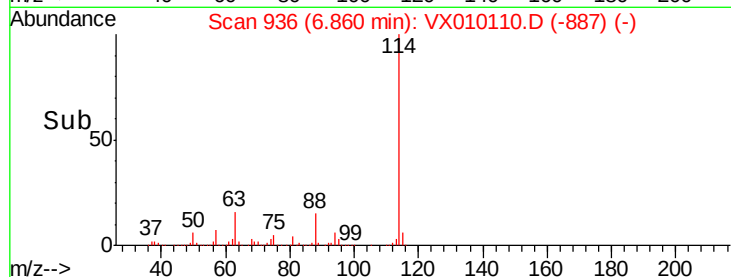
88 14.5 0.0 33.0



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: 50.481 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

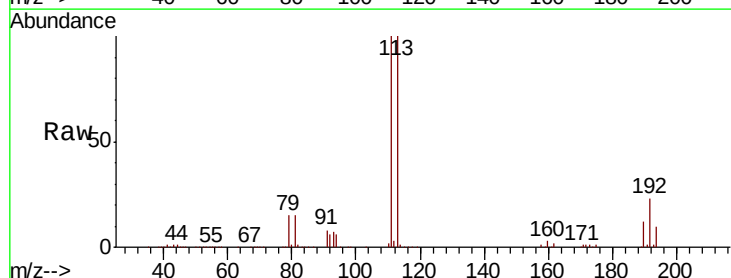
Tgt Ion:113 Resp: 142432

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

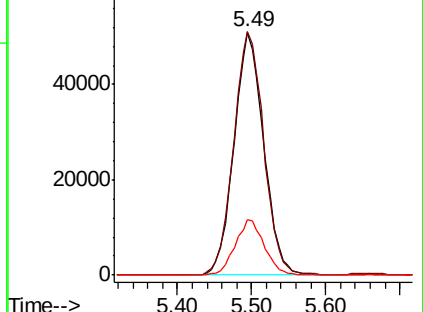
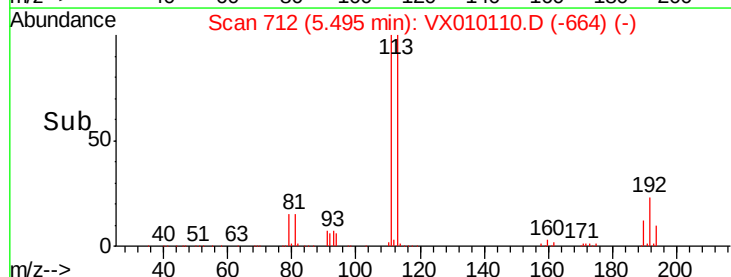
192 22.4 17.1 25.7

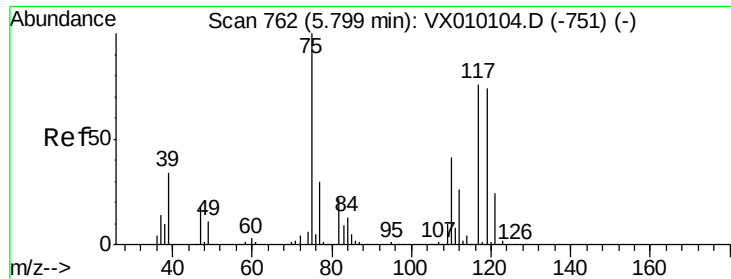


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

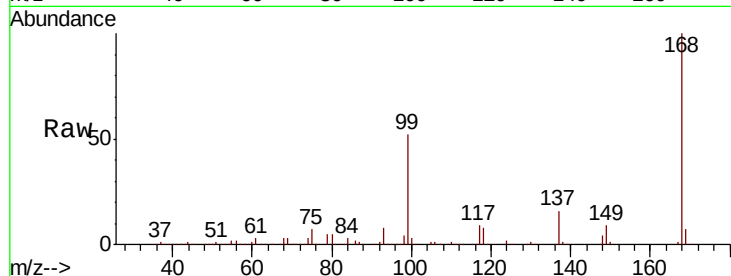




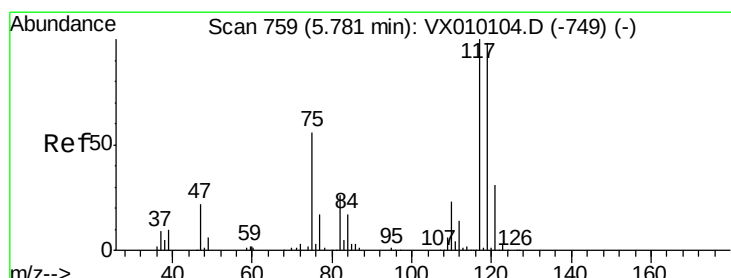
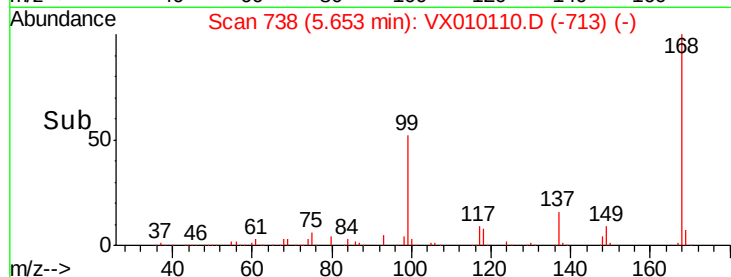
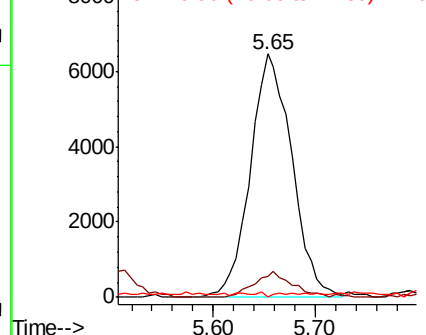
#36
 1,1-Dichloropropene
 Concen: 4.894 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010110.D
 Acq: 07 Jun 2019 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBL01

Tot Ion	75	Resp	18264
Ion Ratio	100		
Lower			
Upper			
75	100		
110	9.7	16.7	50.1#
77	1.0	25.0	37.4#

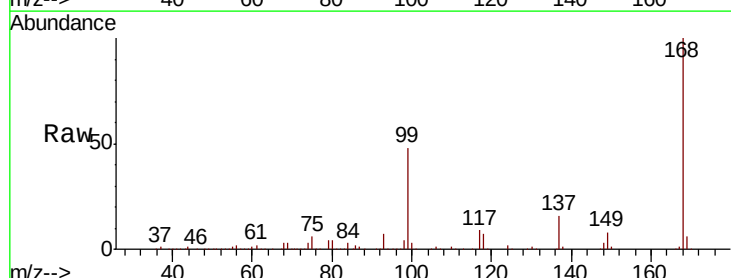


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

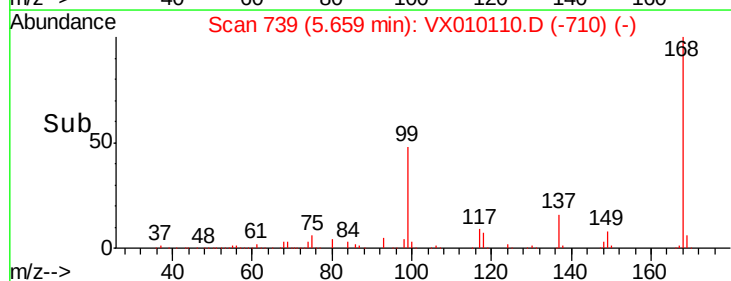
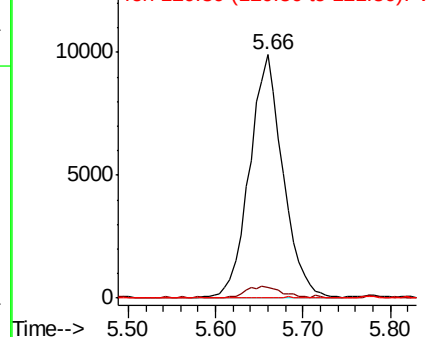


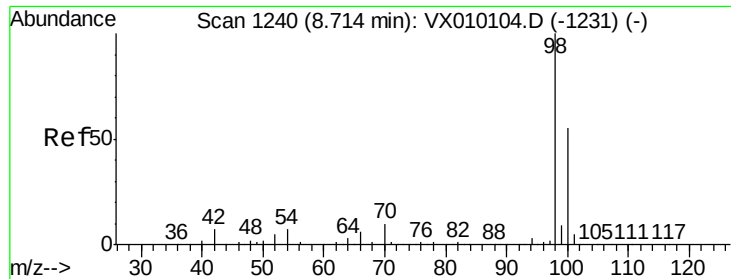
#38
 Carbon Tetrachloride
 Concen: 6.232 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010110.D
 Acq: 07 Jun 2019 15:53

Tgt Ion	117	Resp	26326
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
117	100		
119	4.5	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





#50

Toluene-d8

Concen: 50.665 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

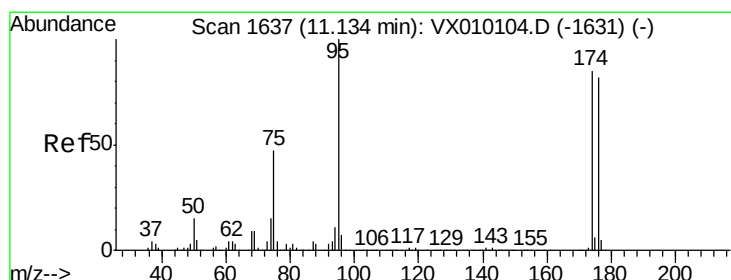
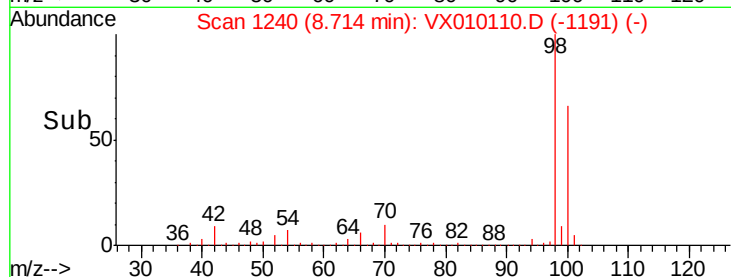
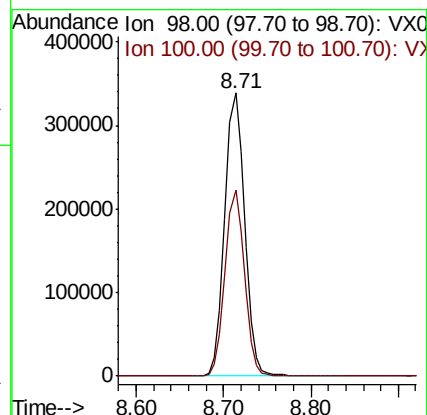
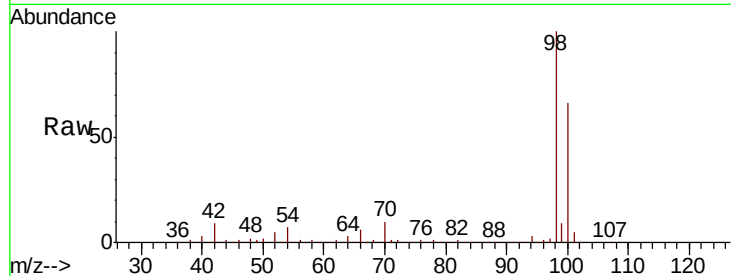
VX0607WBL01

Tot Ion: 98 Resp: 535751

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 46.683 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

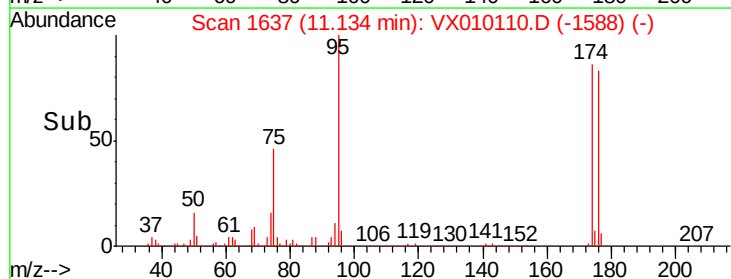
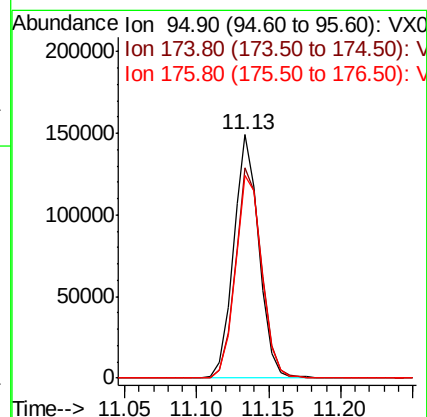
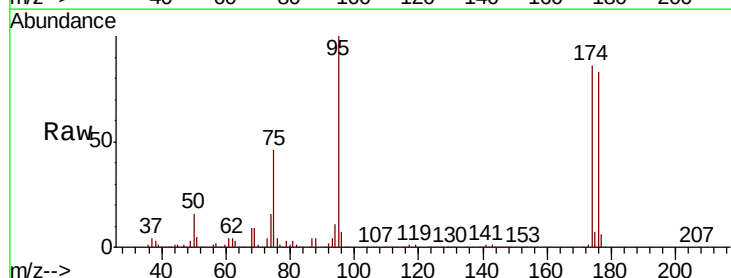
Tgt Ion: 95 Resp: 184355

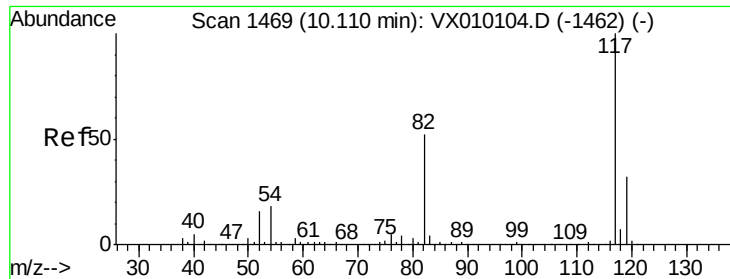
Ion Ratio Lower Upper

95 100

174 89.0 0.0 160.4

176 86.6 0.0 154.6

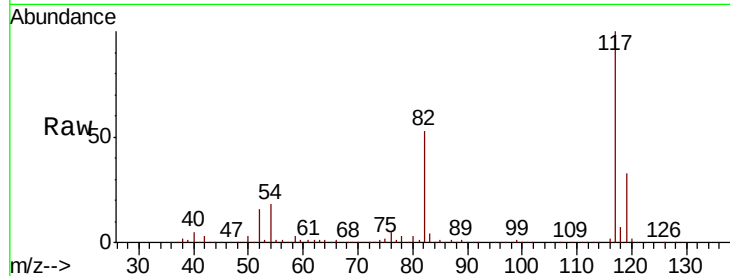




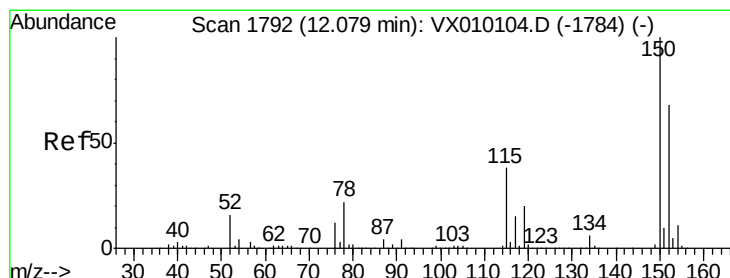
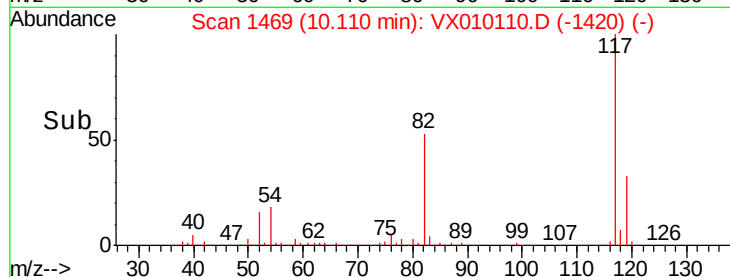
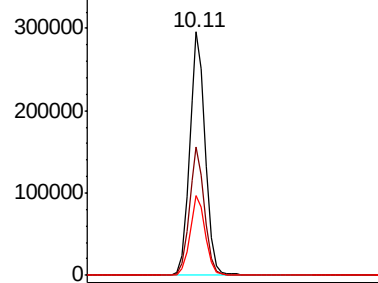
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010110.D
Acq: 07 Jun 2019 15:53

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBL01

Tot Ion:117 Resp: 398365
Ion Ratio Lower Upper
117 100
82 52.9 49.2 73.8
119 32.7 25.2 37.8

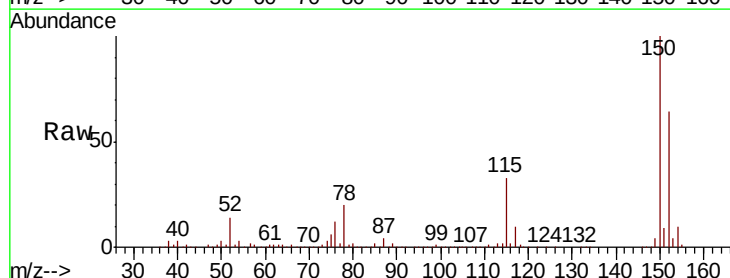


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

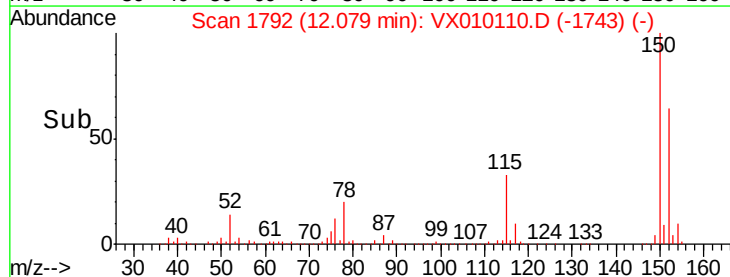
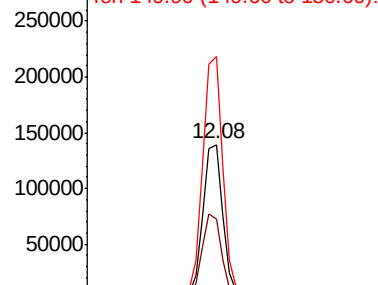


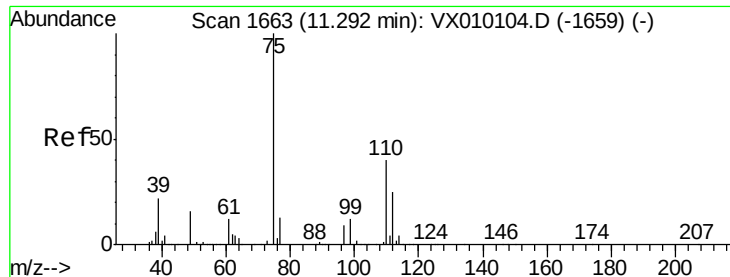
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010110.D
Acq: 07 Jun 2019 15:53

Tgt Ion:152 Resp: 177270
Ion Ratio Lower Upper
152 100
115 55.1 41.4 124.2
150 156.6 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: 23.593 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

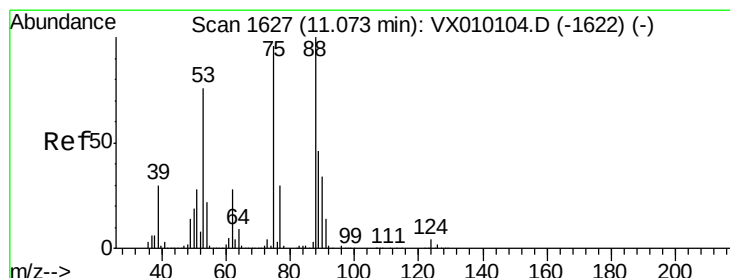
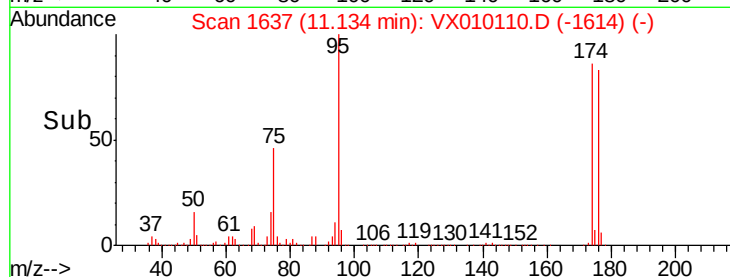
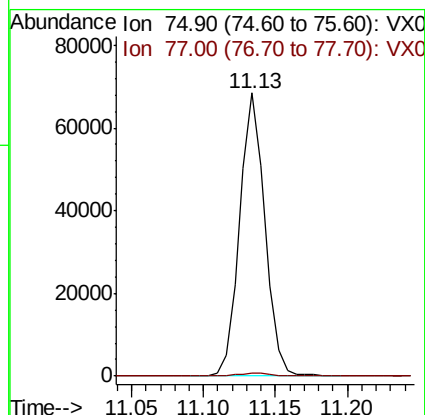
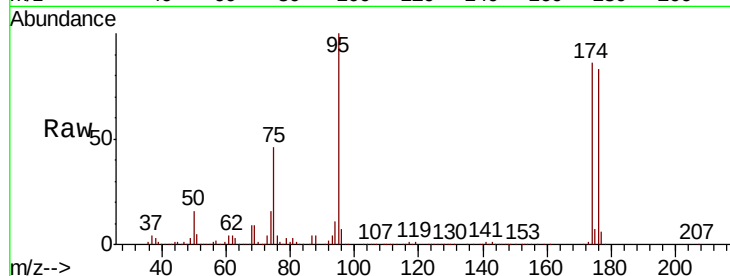
VX0607WBL01

Tot Ion: 75 Resp: 83654

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.127 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

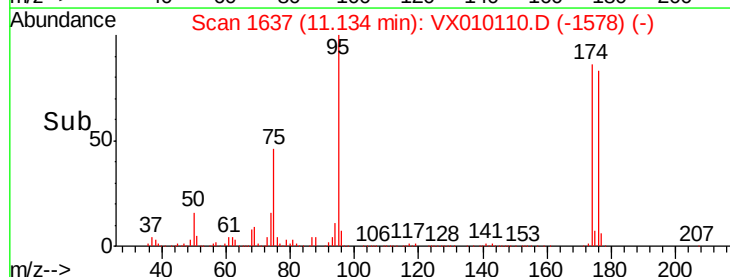
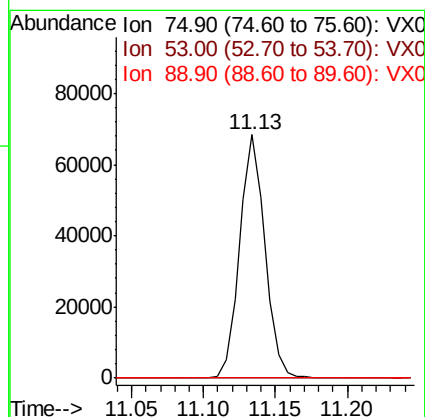
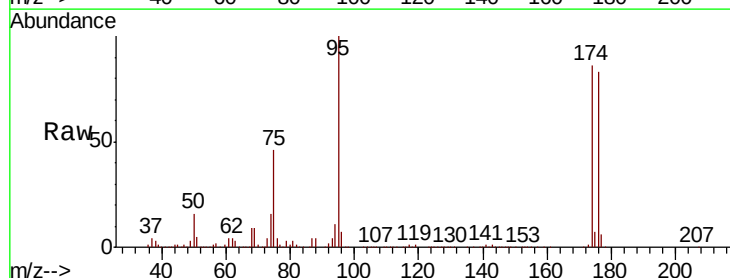
Tgt Ion: 75 Resp: 83654

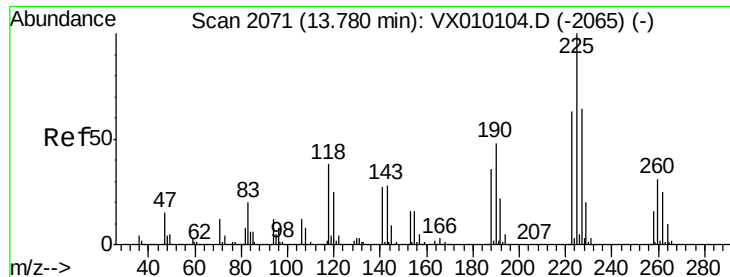
Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#





#94

Hexachlorobutadiene

Concen: 0.230 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBL01

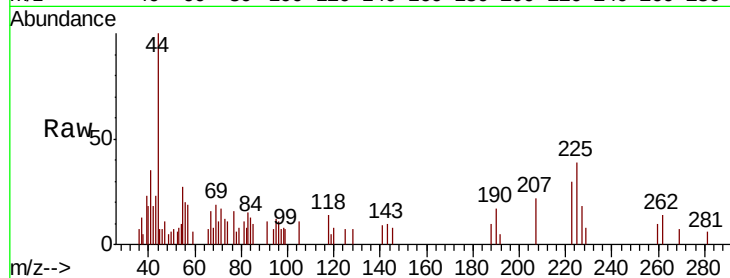
Tot Ion:225 Resp: 437

Ion Ratio Lower Upper

225 100

223 64.5 31.3 93.8

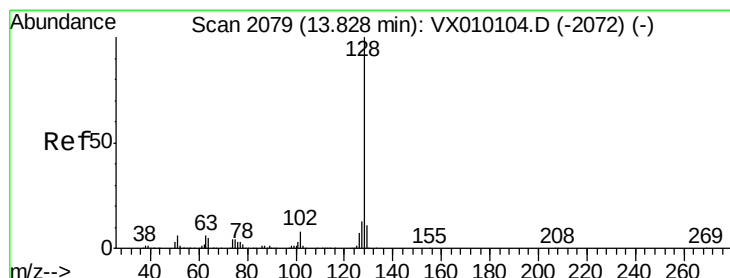
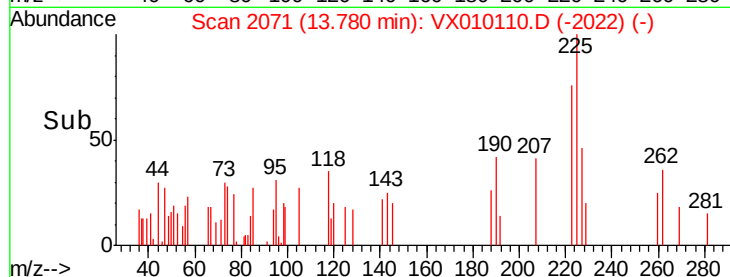
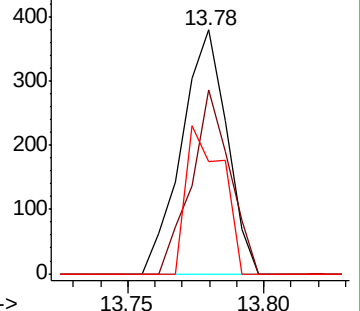
227 48.7 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.241 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010110.D

Acq: 07 Jun 2019 15:53

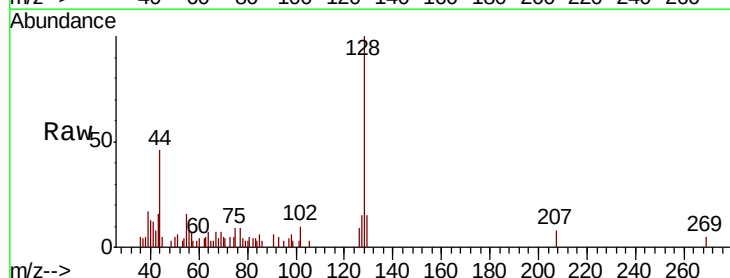
Tgt Ion:128 Resp: 3239

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 12.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

