

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
 Data File : VX006758.D
 Acq On : 22 Dec 2018 07:32
 Operator : JC/MD
 Sample : J6534-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-2

Quant Time: Dec 22 09:35:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

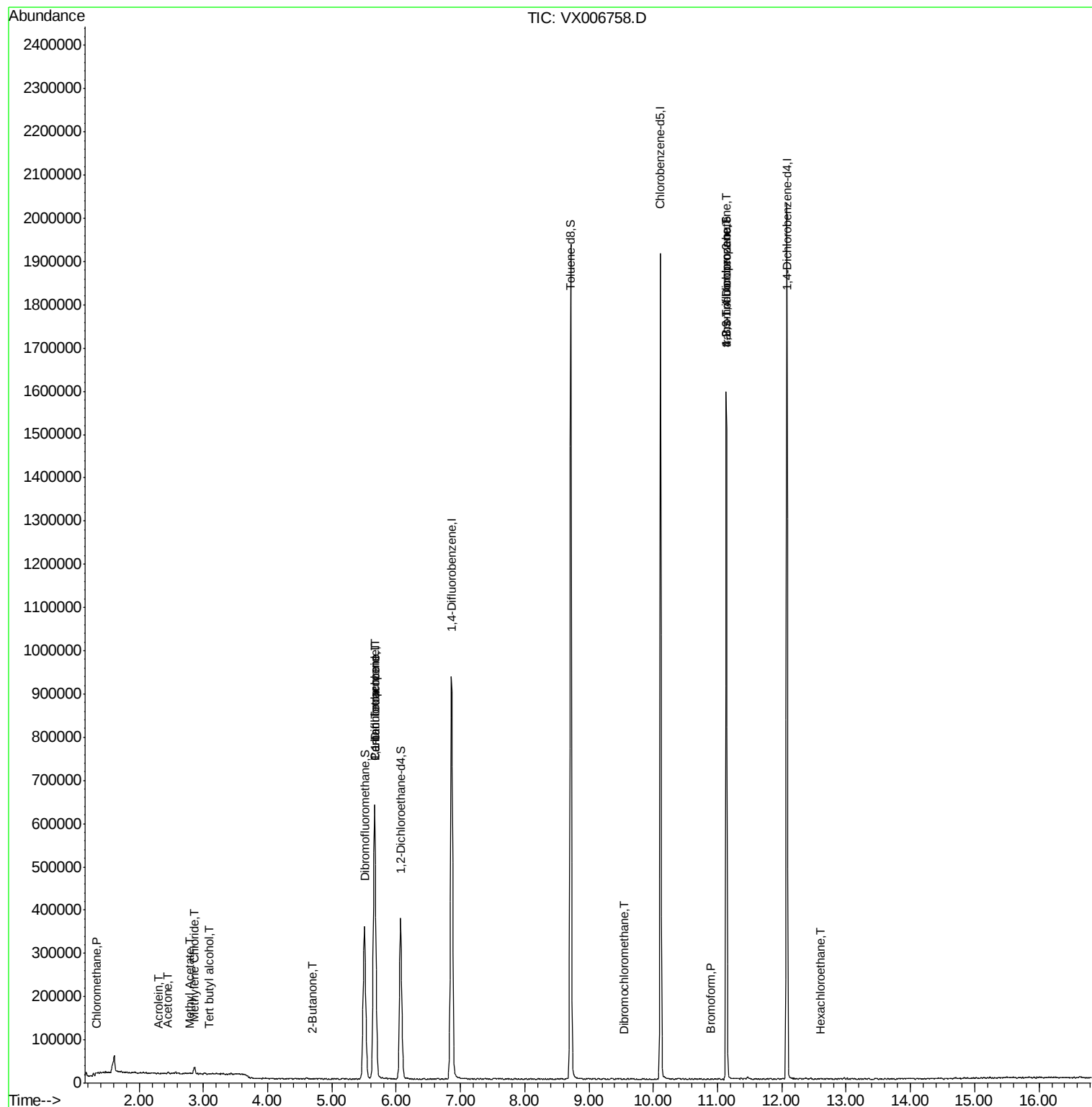
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	647934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1005035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	912594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	428399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	342972	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
35) Dibromofluoromethane	5.51	113	299707	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	1185450	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	416929	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1706	0.267	ug/l	90
5) Bromomethane	1.61	94	371	Below Cal	#	41
11) Tert butyl alcohol	3.08	59	379	0.243	ug/l #	36
13) Acrolein	2.29	56	221	0.210	ug/l #	1
16) Acetone	2.45	43	3354	1.045	ug/l	93
18) Methyl Acetate	2.78	43	3720	0.394	ug/l #	66
20) Methylene Chloride	2.87	84	8465	1.276	ug/l	92
25) 2-Butanone	4.70	43	1144	0.253	ug/l #	51
28) Bromochloromethane	5.04	49	234	Below Cal	#	29
36) 1,1-Dichloropropene	5.67	75	41787	5.020	ug/l #	49
38) Carbon Tetrachloride	5.67	117	58395	7.219	ug/l #	14
49) 1,4-Dioxane	7.74	88	147	Below Cal	#	1
60) Dibromochloromethane	9.55	129	47	2.331	ug/l	73
71) Bromoform	10.90	173	104	4.477	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	194371	24.414	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	194371	72.242	ug/l #	10
90) Hexachloroethane	12.60	117	375	3.379	ug/l #	20

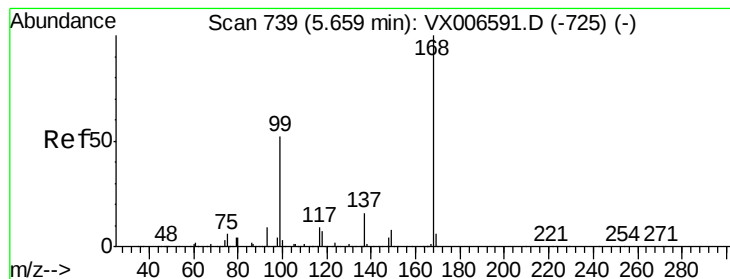
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampled :

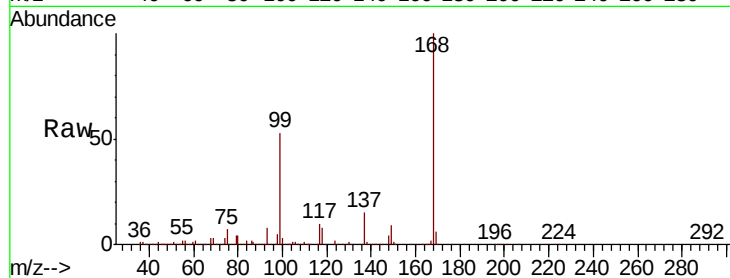
RMW-2

Tgt Ion:168 Resp: 647934

Ion Ratio Lower Upper

168 100

99 52.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

50000

0

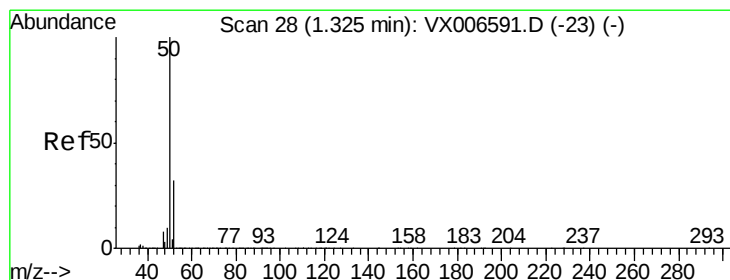
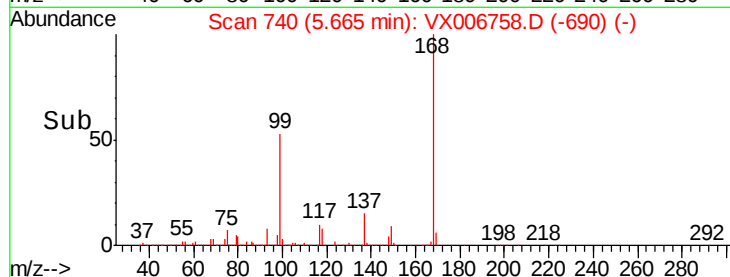
5.67

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006758.D

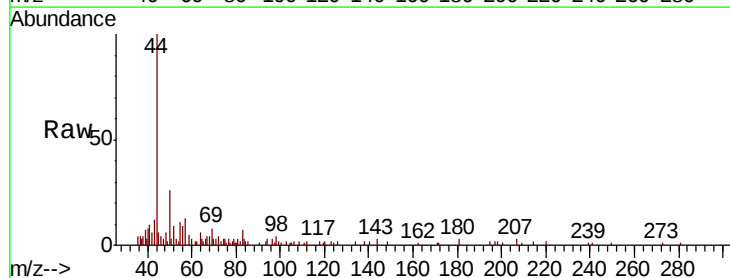
Acq: 22 Dec 2018 07:32

Tgt Ion: 50 Resp: 1706

Ion Ratio Lower Upper

50 100

52 26.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1500

1000

500

0

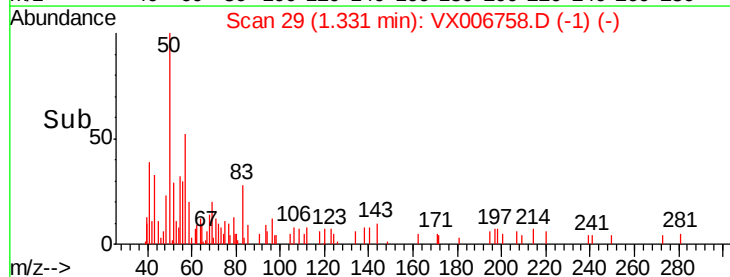
1.33

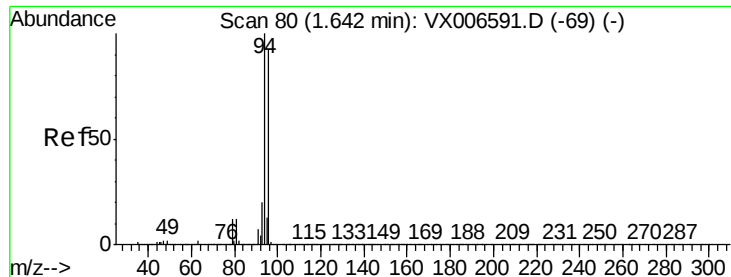
1.30

1.35

1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 75

Delta R.T. -0.03 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampled :

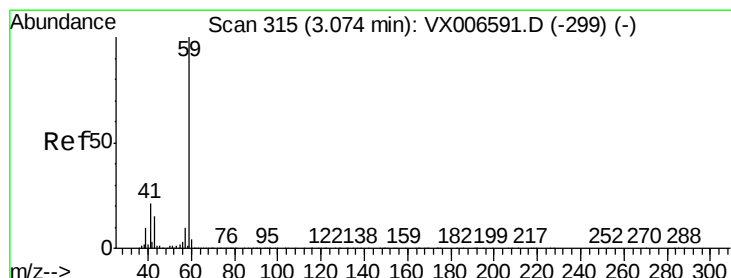
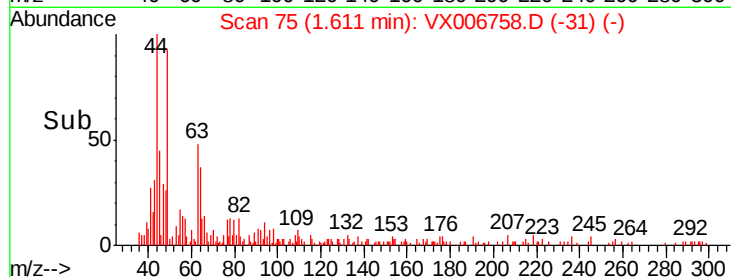
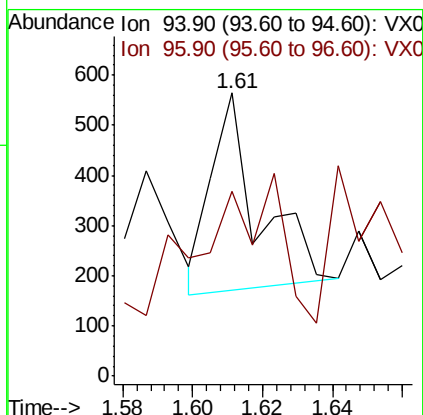
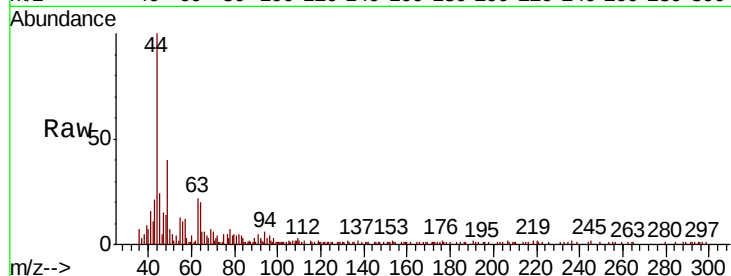
RMW-2

Tgt Ion: 94 Resp: 371

Ion Ratio Lower Upper

94 100

96 35.9 73.4 110.2#



#11

Tert butyl alcohol

Concen: 0.243 ug/l

RT: 3.08 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX006758.D

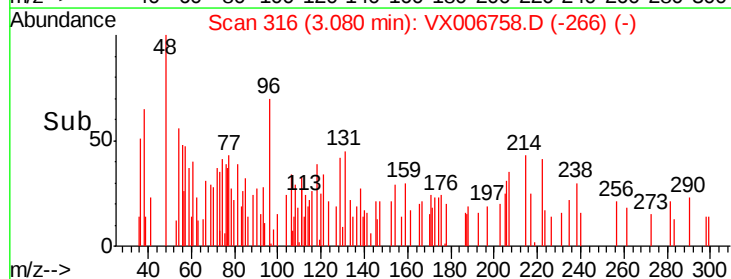
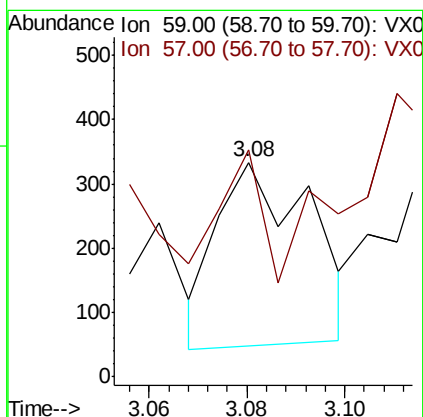
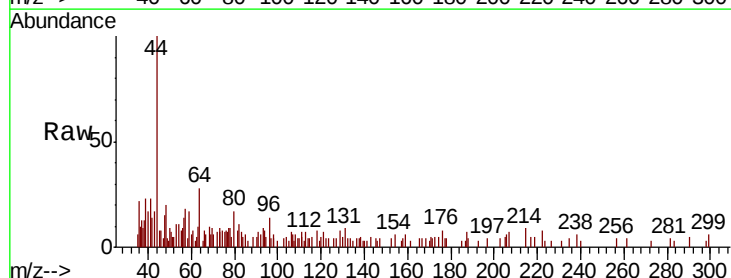
Acq: 22 Dec 2018 07:32

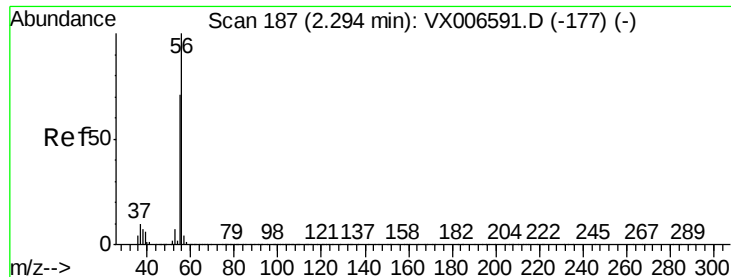
Tgt Ion: 59 Resp: 379

Ion Ratio Lower Upper

59 100

57 34.6 8.5 12.7#

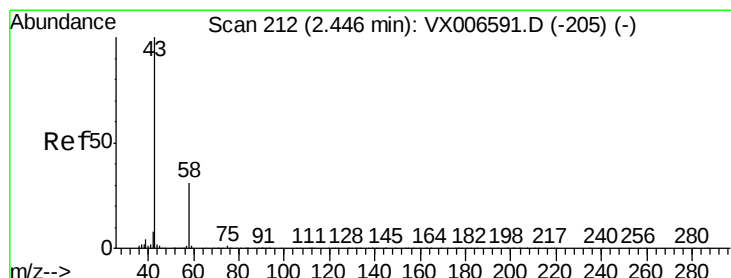
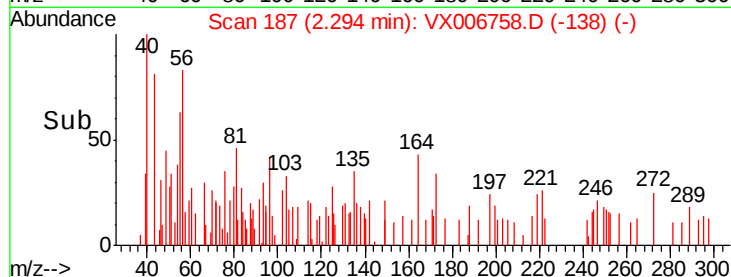
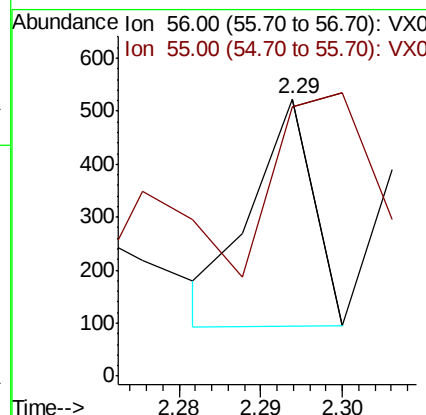
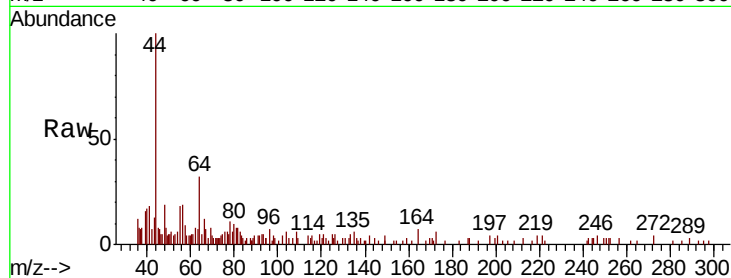




#13
Acrolein
Concen: 0.210 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006758.D
Acq: 22 Dec 2018 07:32

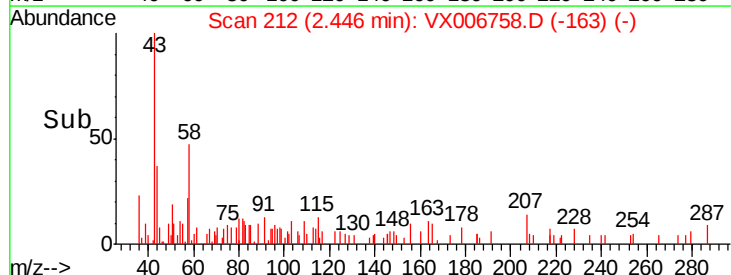
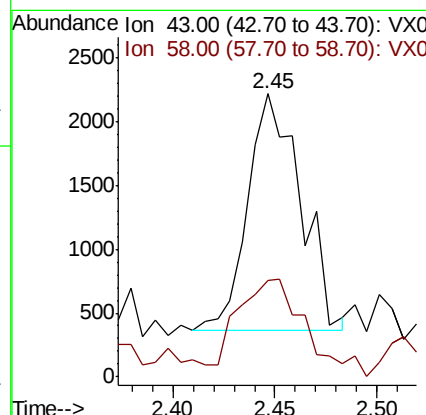
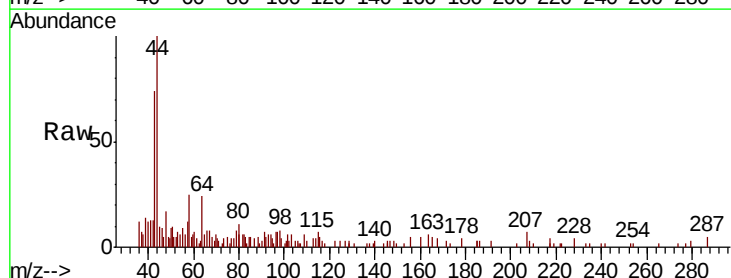
Instrument :
MSVOA_X
ClientSampleId :
RMW-2

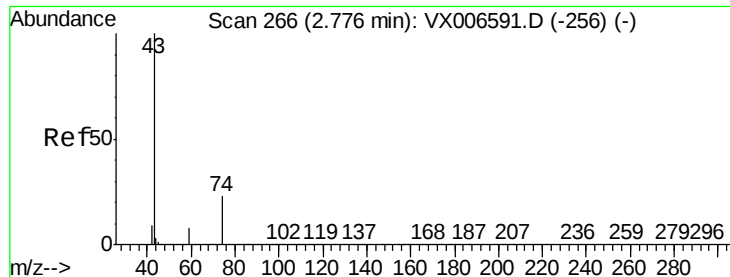
Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 192.8 58.2 87.4#



#16
Acetone
Concen: 1.045 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006758.D
Acq: 22 Dec 2018 07:32

Tgt Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
58 35.1 25.0 37.6

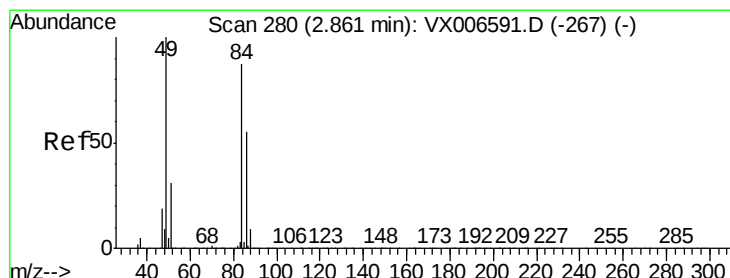
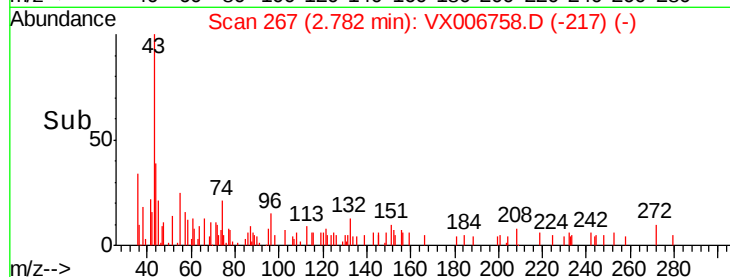
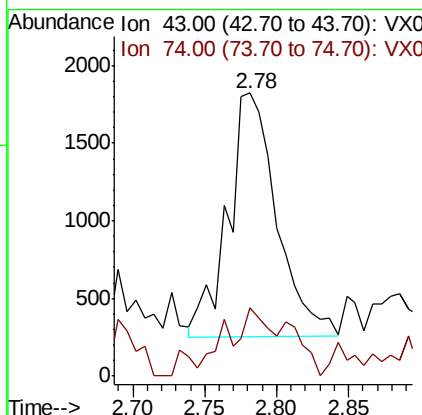
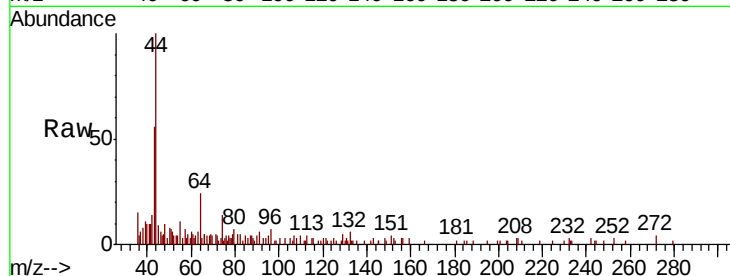




#18
Methyl Acetate
Concen: 0.394 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006758.D
Acq: 22 Dec 2018 07:32

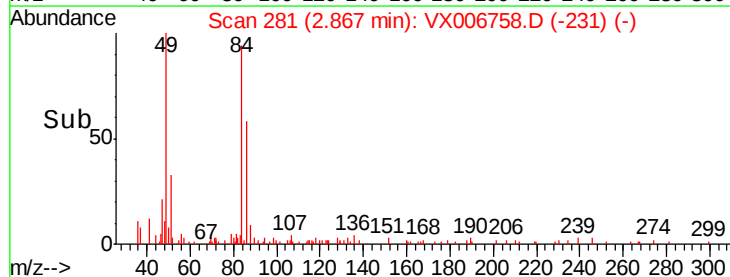
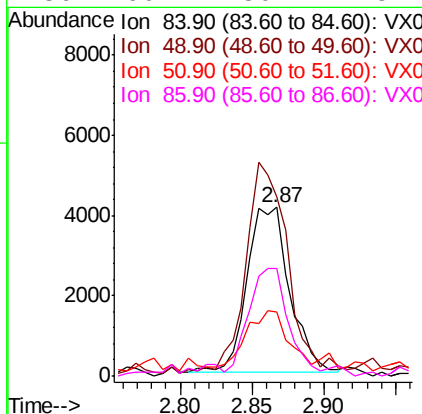
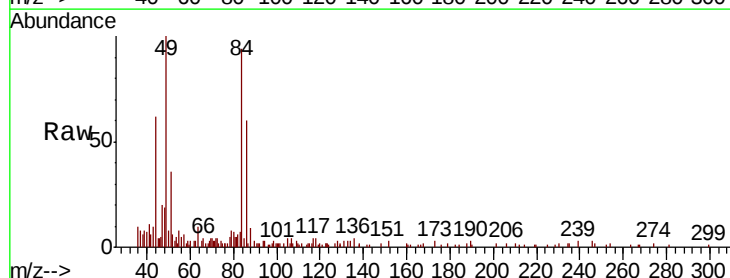
Instrument :
MSVOA_X
ClientSampleId :
RMW-2

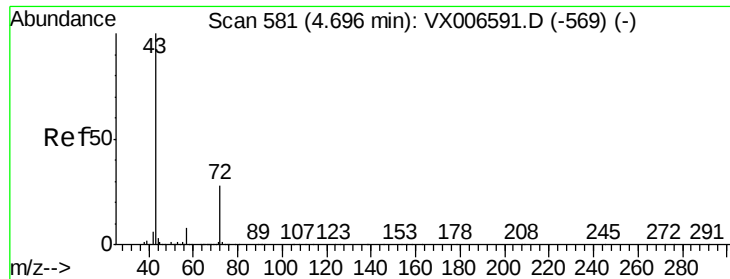
Tgt Ion: 43 Resp: 3720
Ion Ratio Lower Upper
43 100
74 6.6 18.6 28.0#



#20
Methylene Chloride
Concen: 1.276 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006758.D
Acq: 22 Dec 2018 07:32

Tgt Ion: 84 Resp: 8465
Ion Ratio Lower Upper
84 100
49 104.6 91.8 137.6
51 29.7 28.5 42.7
86 60.4 50.2 75.2





#25

2-Butanone

Concen: 0.253 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampled :

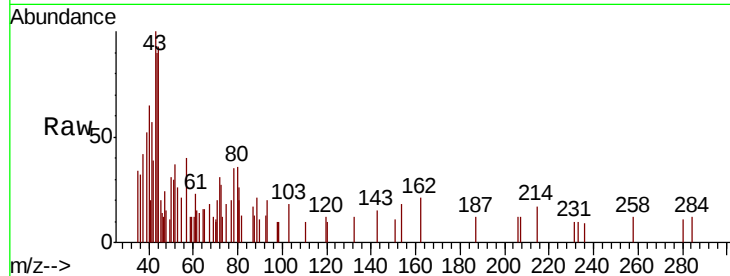
RMW-2

Tgt Ion: 43 Resp: 1144

Ion Ratio Lower Upper

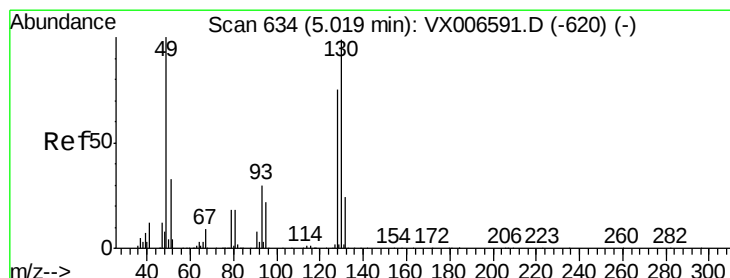
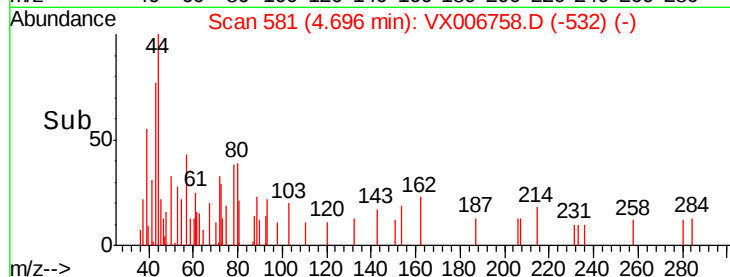
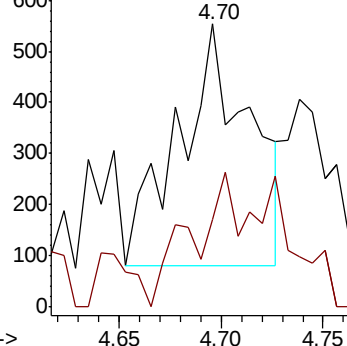
43 100

72 53.6 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

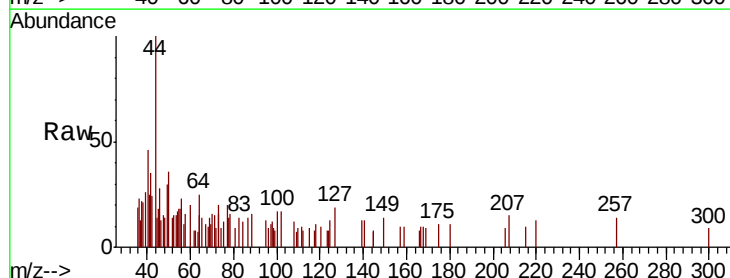
Tgt Ion: 49 Resp: 234

Ion Ratio Lower Upper

49 100

129 8.1 0.0 5.4#

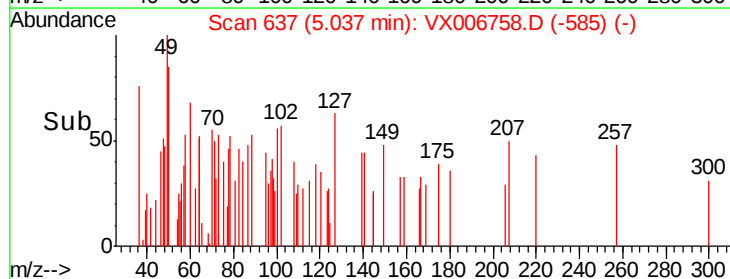
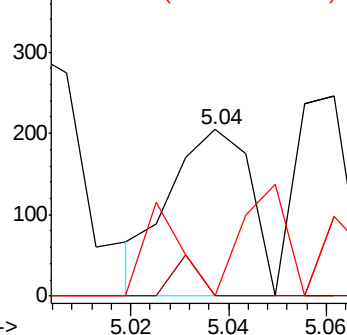
130 26.1 77.7 116.5#

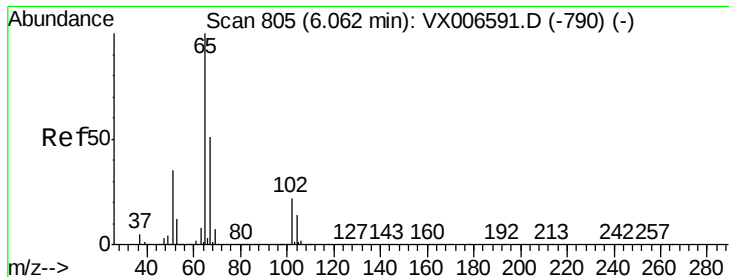


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 49.114 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampled :

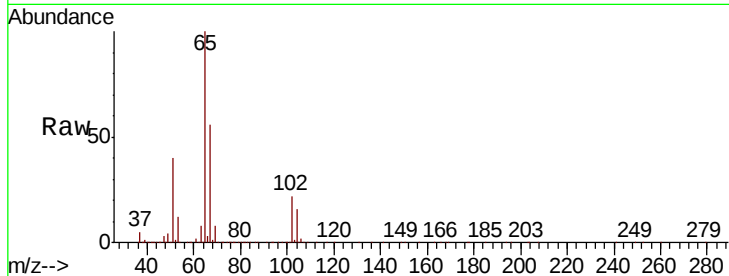
RMW-2

Tgt Ion: 65 Resp: 342972

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

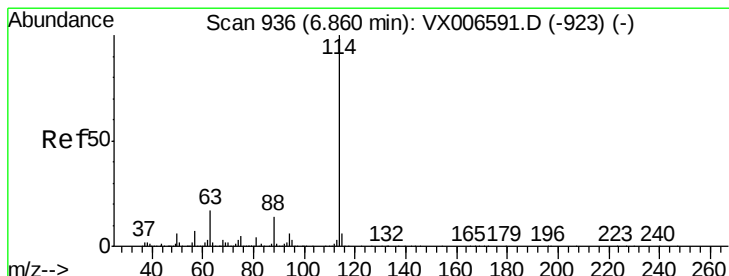
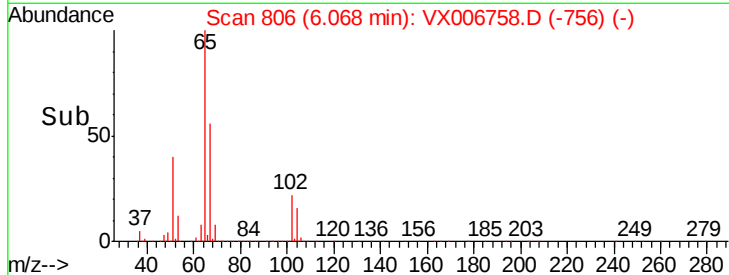
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

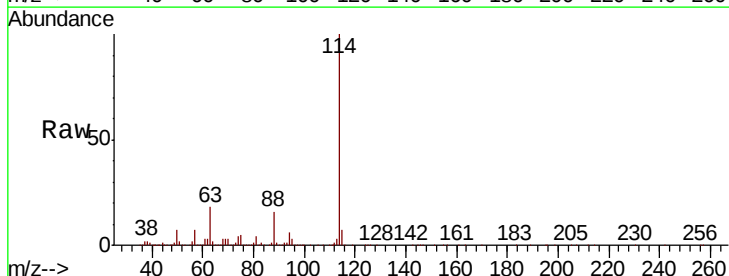
Tgt Ion: 114 Resp: 1005035

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 15.8 0.0 28.8



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

6.86

500000

400000

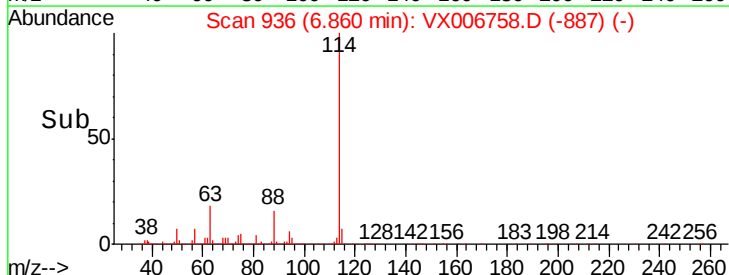
300000

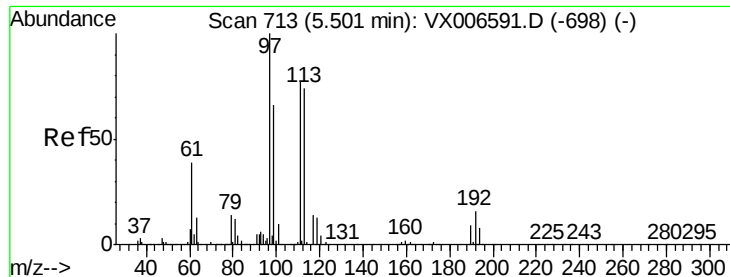
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.156 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampleId :

RMW-2

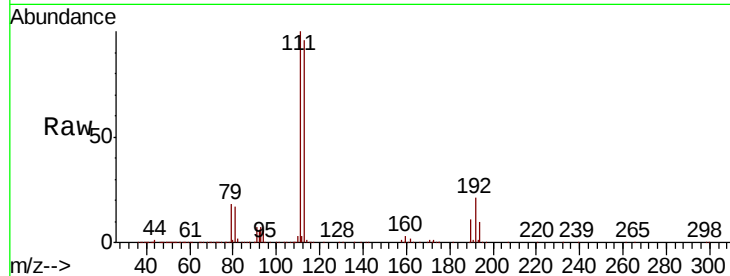
Tgt Ion:113 Resp: 299707

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

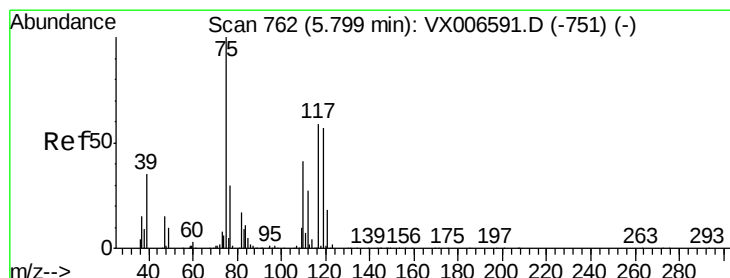
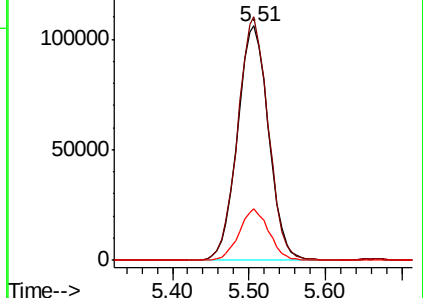
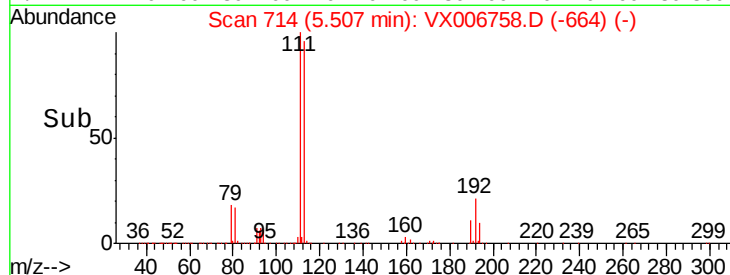
192 21.0 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.020 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

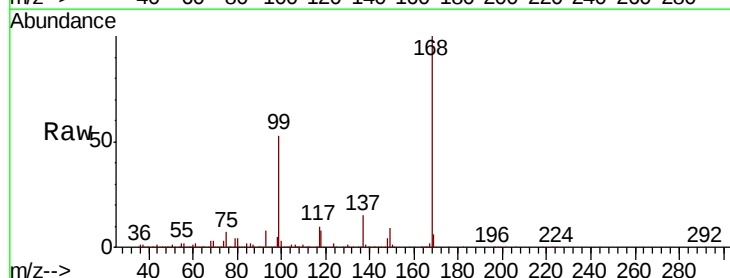
Tgt Ion: 75 Resp: 41787

Ion Ratio Lower Upper

75 100

110 10.6 20.2 60.5#

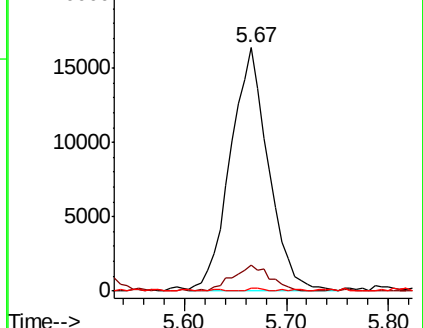
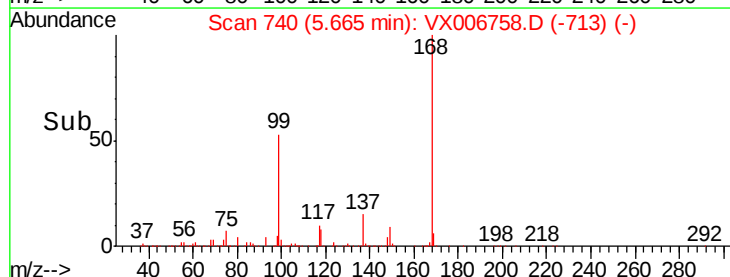
77 0.5 24.8 37.2#

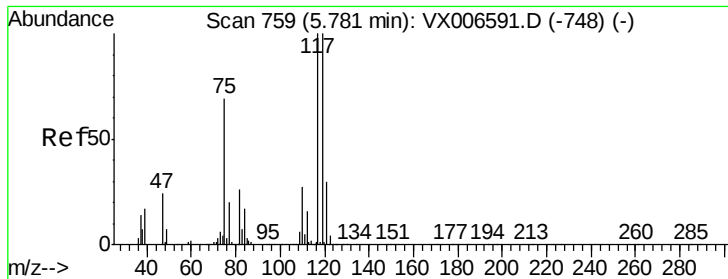


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.219 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampleId :

RMW-2

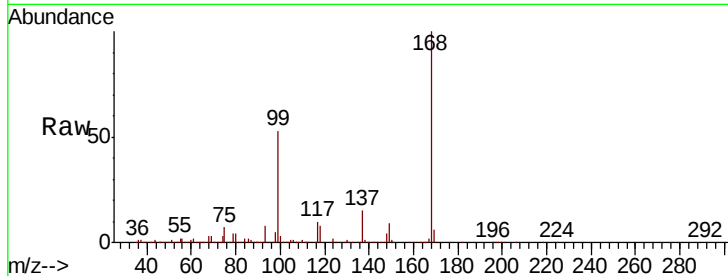
Tgt Ion: 117 Resp: 58395

Ion Ratio Lower Upper

117 100

119 3.8 79.4 119.2#

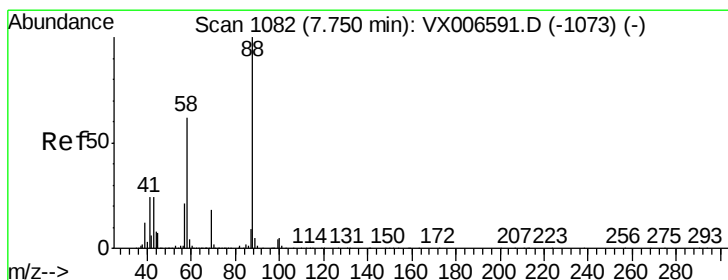
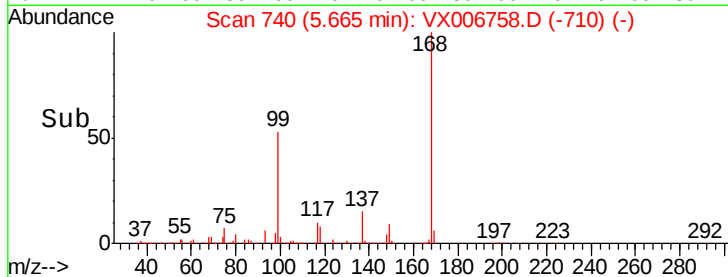
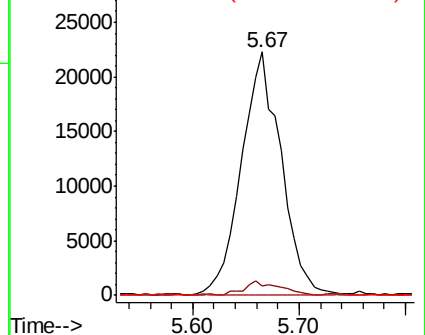
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

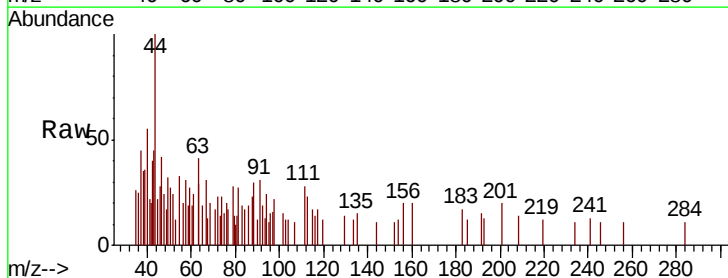
Tgt Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

43 135.4 22.2 33.4#

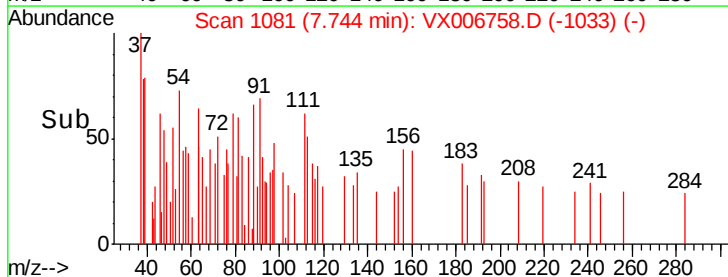
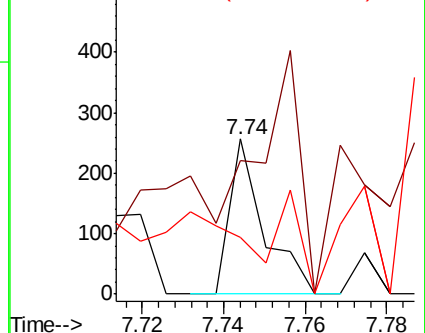
58 218.4 51.0 76.4#

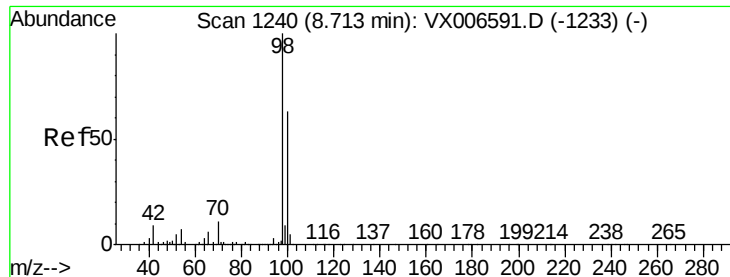


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.474 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampleId :

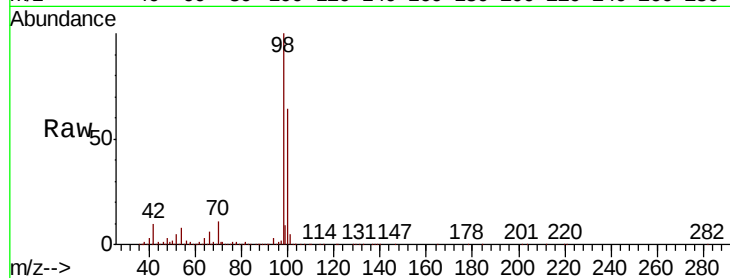
RMW-2

Tgt Ion: 98 Resp: 1185450

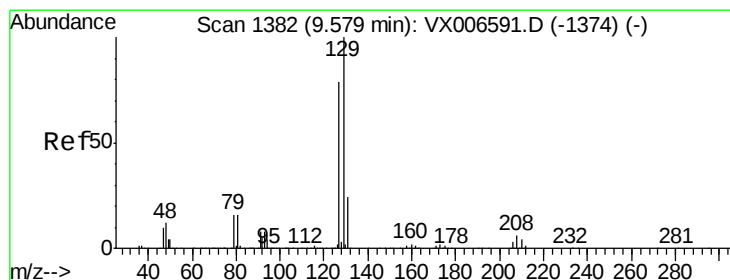
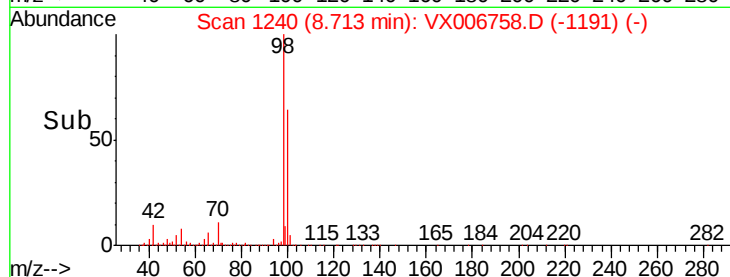
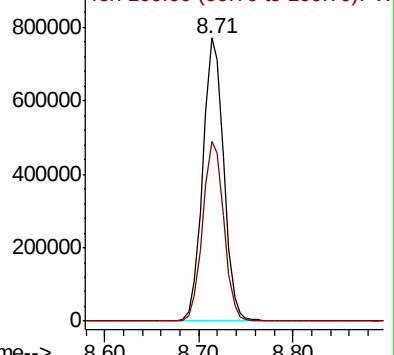
Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006591.D (-1233) (-)



#60

Dibromochloromethane

Concen: 2.331 ug/l

RT: 9.55 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VX006758.D

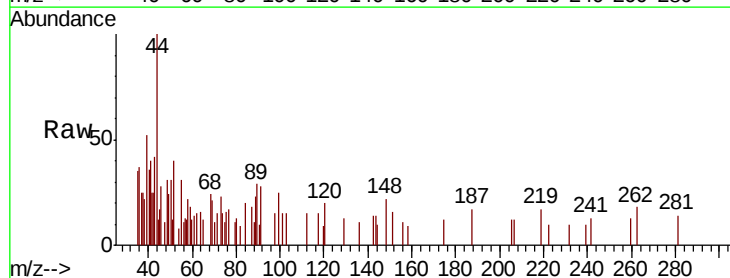
Acq: 22 Dec 2018 07:32

Tgt Ion: 129 Resp: 47

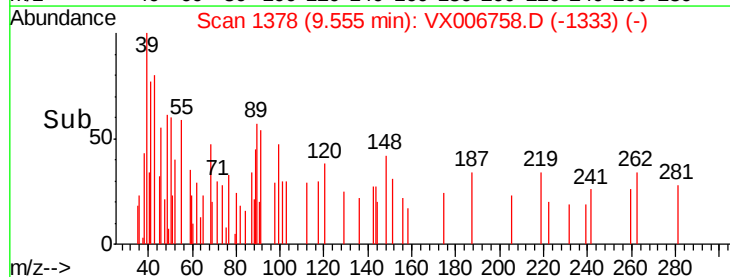
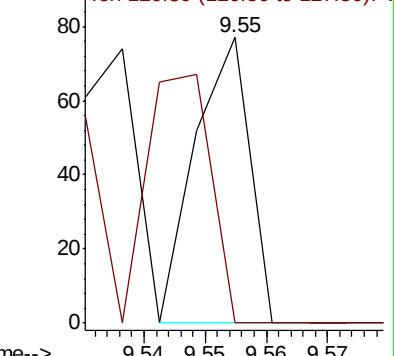
Ion Ratio Lower Upper

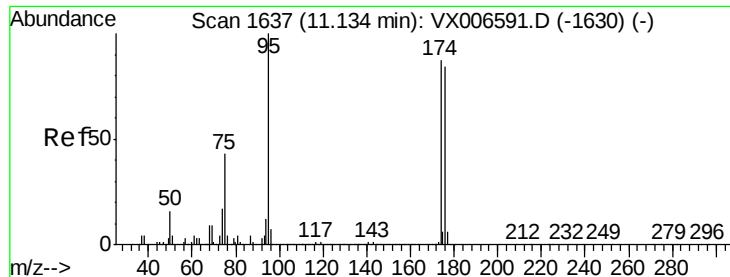
129 100

127 102.1 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006591.D (-1374) (-)

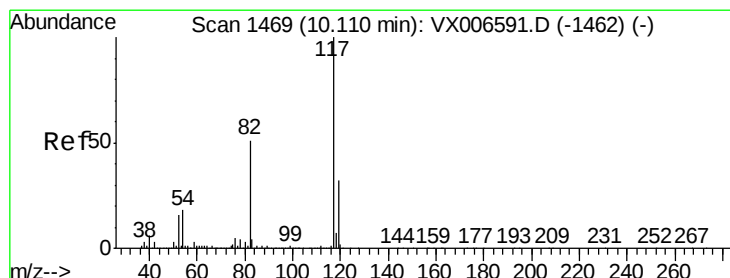
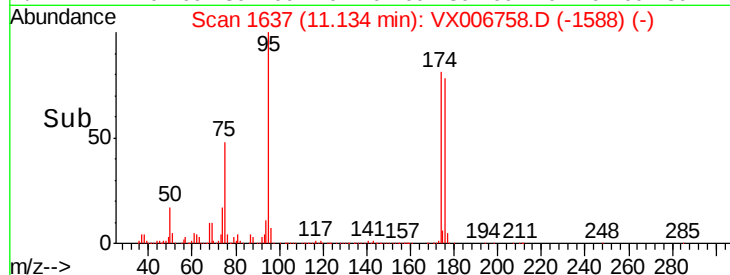
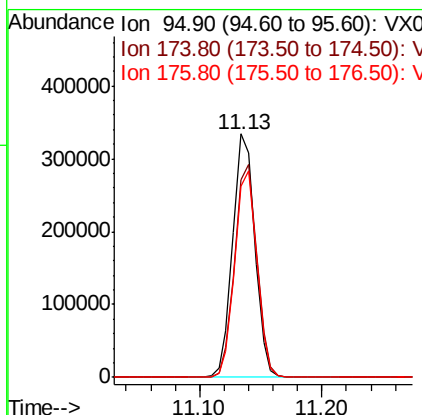
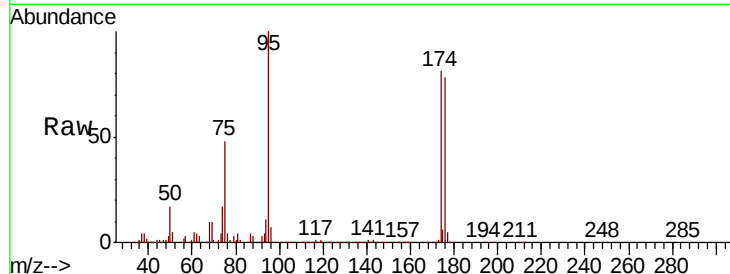




#62
4-Bromofluorobenzene
Concen: 47.510 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006758.D
Acq: 22 Dec 2018 07:32

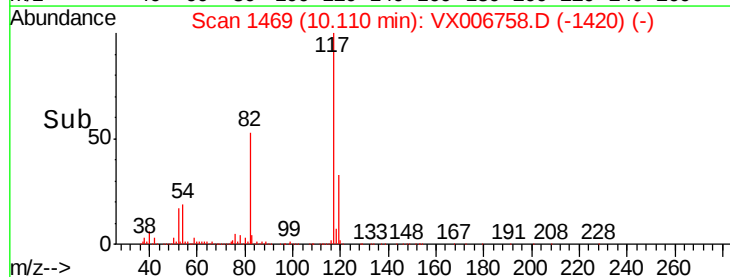
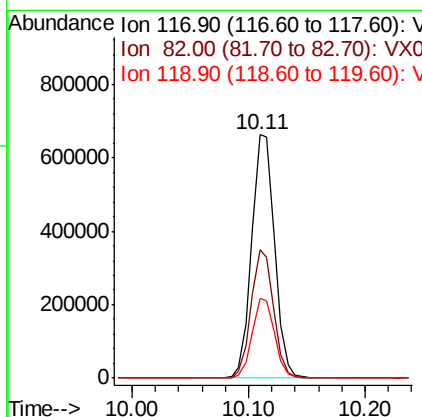
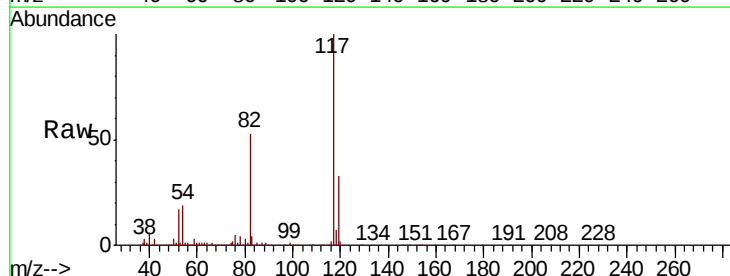
Instrument :
MSVOA_X
ClientSampleId :
RMW-2

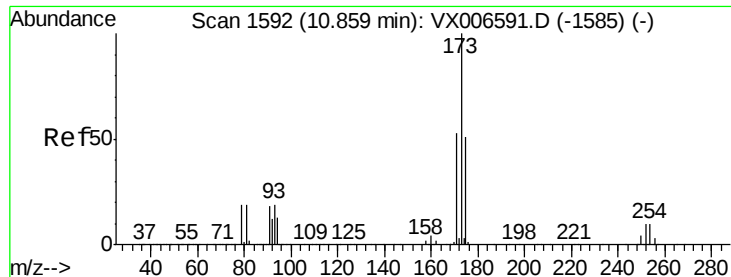
Tgt Ion: 95 Resp: 416929
Ion Ratio Lower Upper
95 100
174 88.1 0.0 182.2
176 85.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006758.D
Acq: 22 Dec 2018 07:32

Tgt Ion: 117 Resp: 912594
Ion Ratio Lower Upper
117 100
82 52.6 41.0 61.6
119 32.7 25.4 38.0





#71

Bromoform

Concen: 4.477 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.04 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampleId :

RMW-2

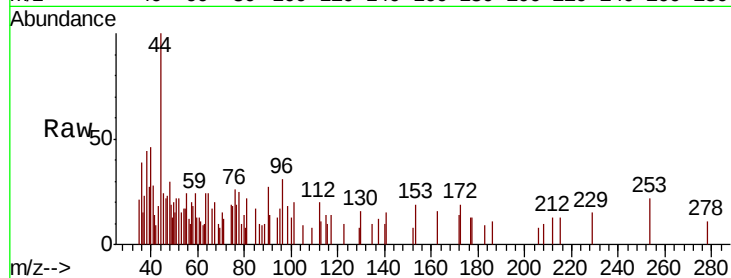
Tgt Ion:173 Resp: 104

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

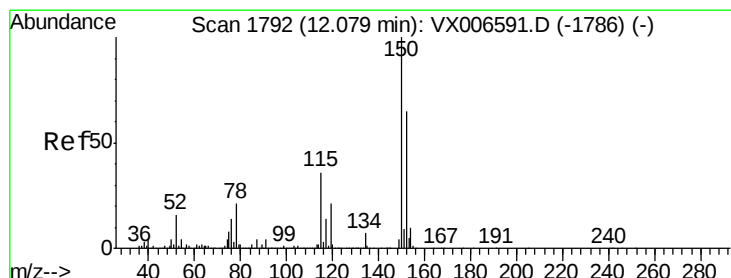
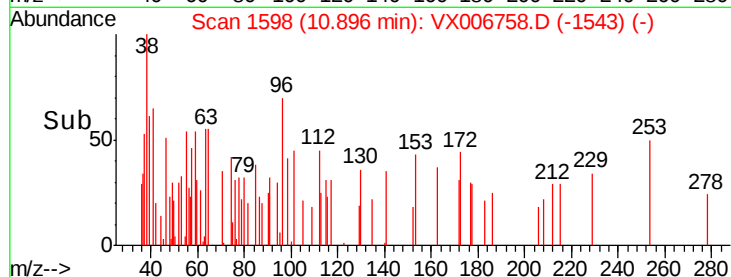
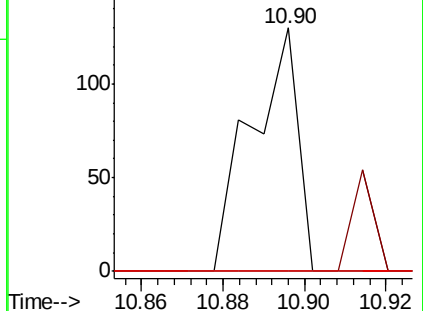
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006758.D

Acq: 22 Dec 2018 07:32

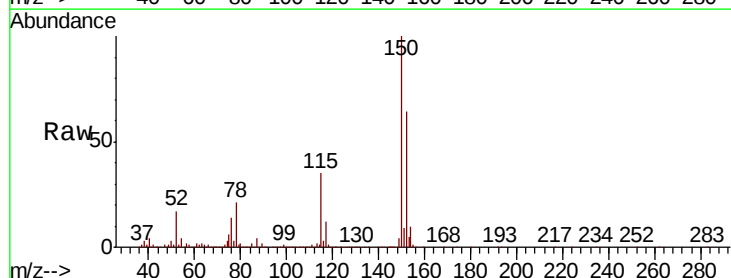
Tgt Ion:152 Resp: 428399

Ion Ratio Lower Upper

152 100

115 56.2 39.1 117.2

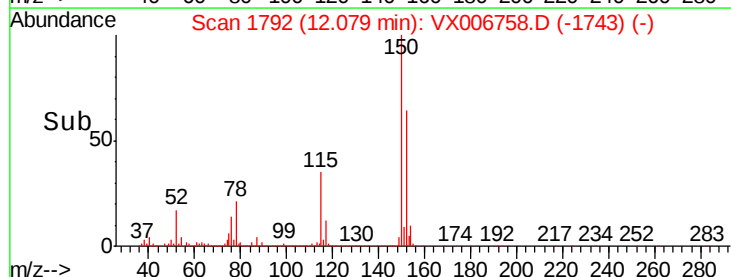
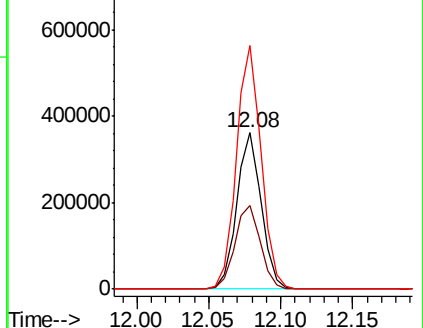
150 157.4 0.0 344.8

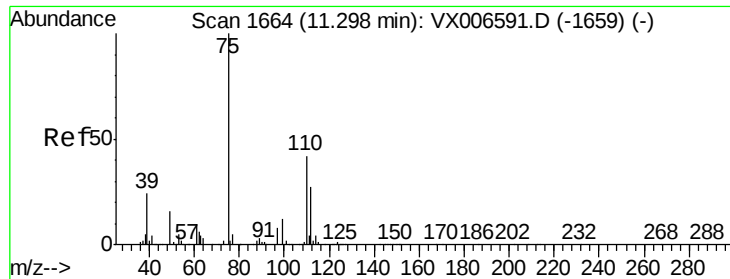


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

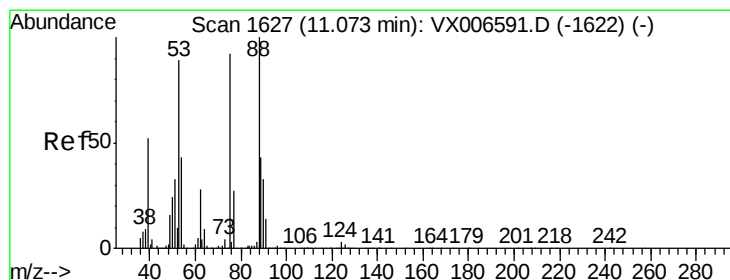
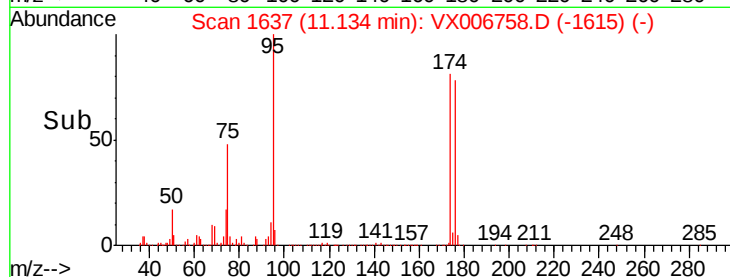
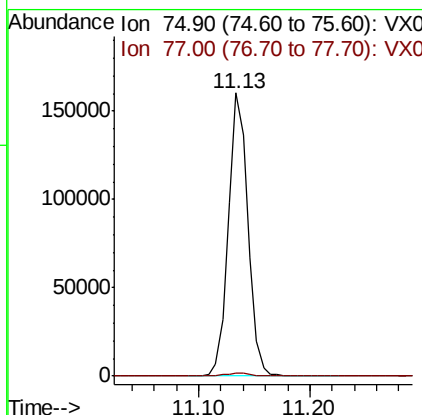
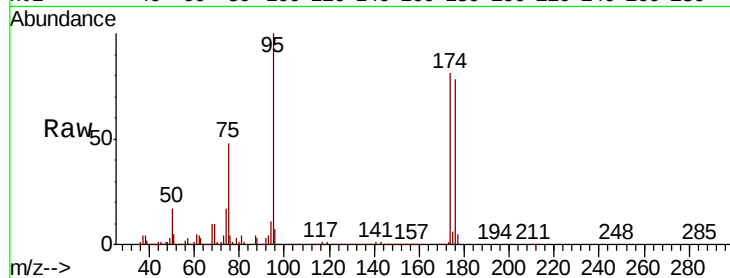




#76
 1,2,3-Trichloropropane
 Concen: 24.414 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006758.D
 Acq: 22 Dec 2018 07:32

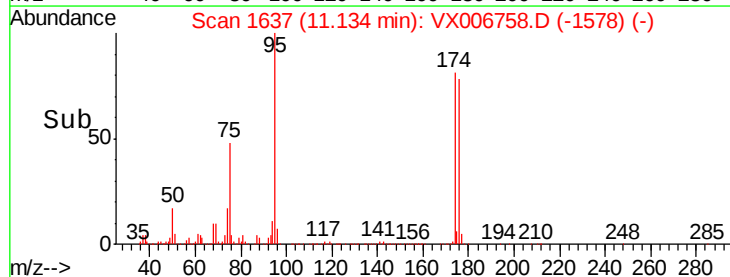
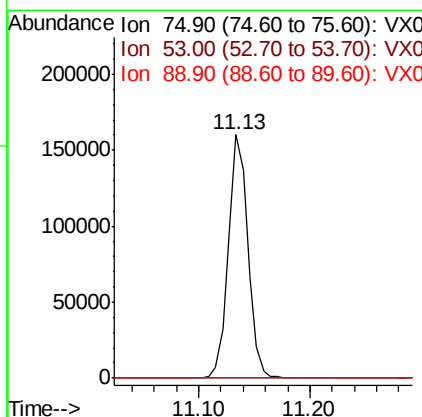
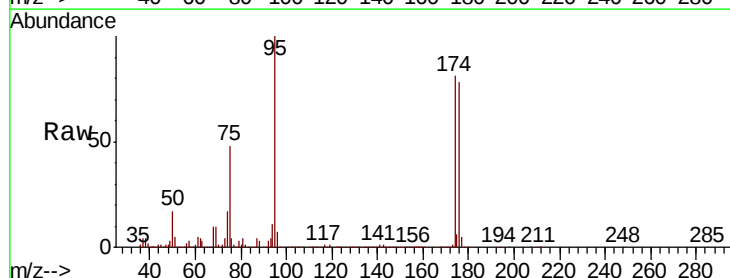
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-2

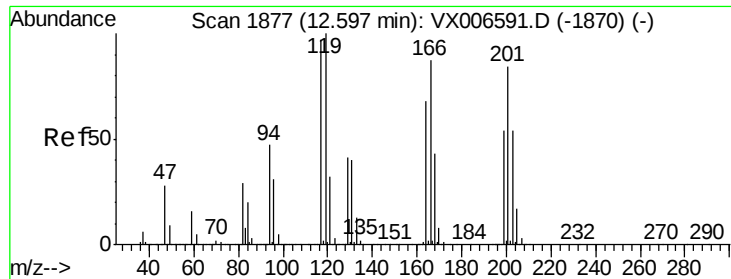
Tgt Ion: 75 Resp: 194371
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.5 55.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.242 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006758.D
 Acq: 22 Dec 2018 07:32

Tgt Ion: 75 Resp: 194371
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.7 119.5#
 89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.379 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006758.D

Acq: 22 Dec 2018 07:32

Instrument :

MSVOA_X

ClientSampleId :

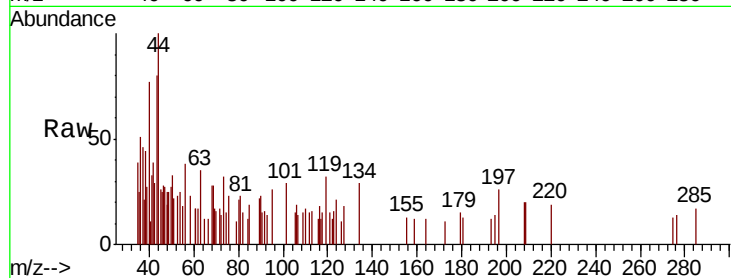
RMW-2

Tgt Ion:117 Resp: 375

Ion Ratio Lower Upper

117 100

201 12.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

