

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
 Data File : VX006759.D
 Acq On : 22 Dec 2018 07:59
 Operator : JC/MD
 Sample : J6534-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWRV-6

Quant Time: Dec 22 09:35:41 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

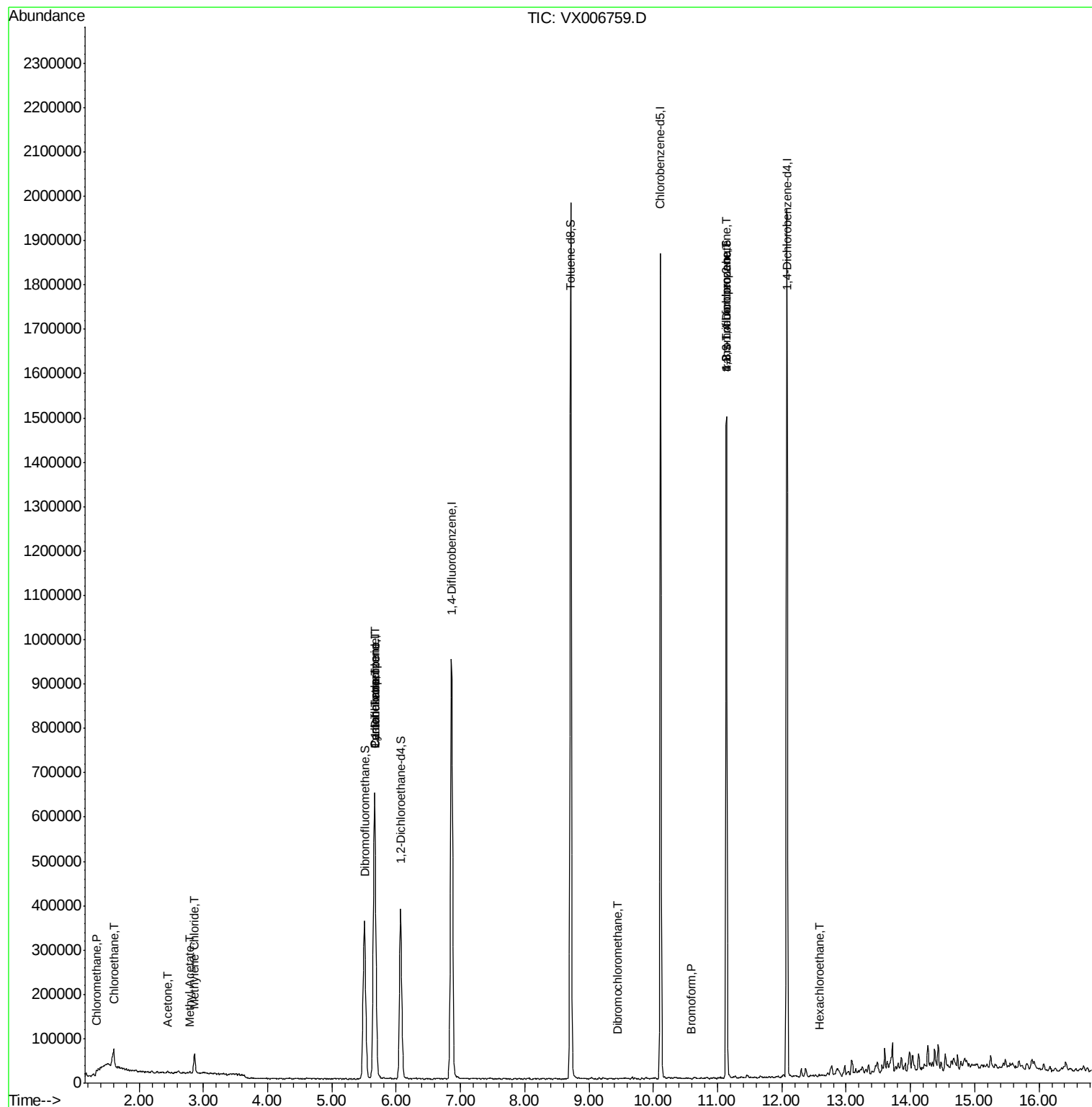
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	653473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1019318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	912223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	414994	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	355727	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
35) Dibromofluoromethane	5.51	113	306030	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	8.71	98	1193754	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	406837	45.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1327	0.206	ug/l #	78
5) Bromomethane	1.65	94	344	Below Cal	#	45
6) Chloroethane	1.60	64	20160	4.328	ug/l #	46
16) Acetone	2.45	43	4673	1.444	ug/l	98
18) Methyl Acetate	2.78	43	2498	0.263	ug/l #	47
20) Methylene Chloride	2.86	84	20489	3.062	ug/l	93
28) Bromochloromethane	5.04	49	61	Below Cal	#	35
31) Cyclohexane	5.66	56	11979	1.229	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	42257	5.005	ug/l #	49
38) Carbon Tetrachloride	5.67	117	61257	7.466	ug/l #	15
49) 1,4-Dioxane	7.76	88	27	Below Cal	#	1
60) Dibromochloromethane	9.44	129	69	2.333	ug/l	94
71) Bromoform	10.58	173	97	4.476	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	192415	24.949	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	192415	73.732	ug/l #	10
90) Hexachloroethane	12.59	117	537	3.420	ug/l #	11

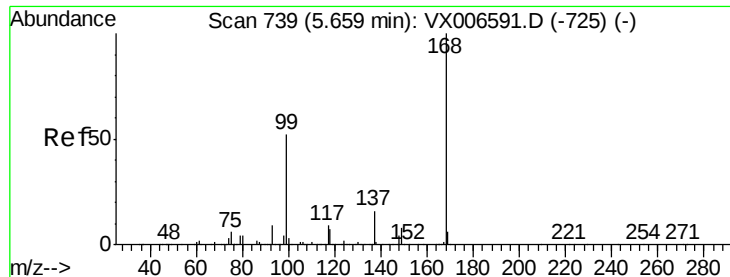
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

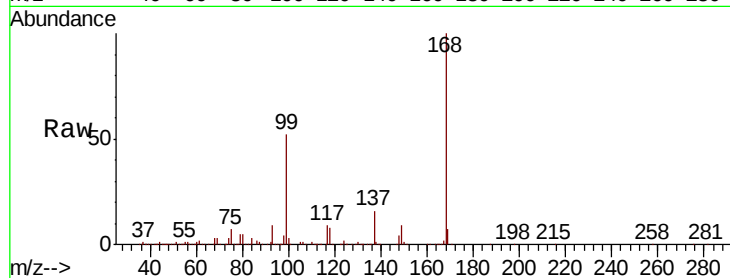
MWRV-6

Tgt Ion:168 Resp: 653473

Ion Ratio Lower Upper

168 100

99 52.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

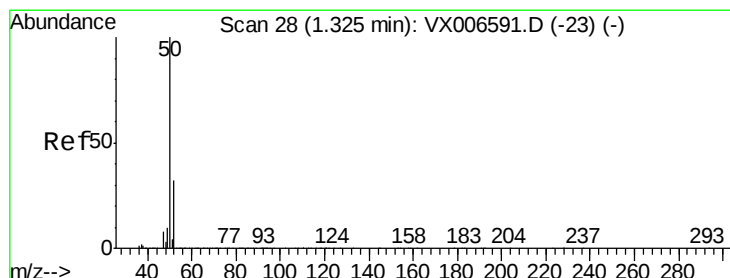
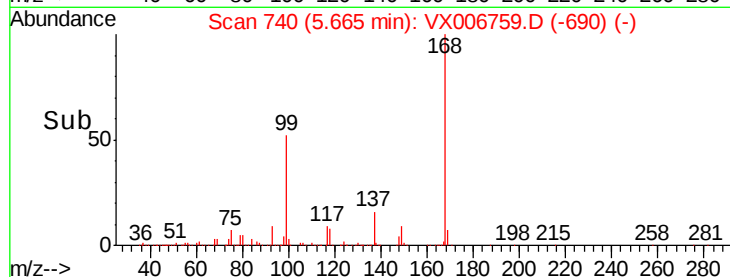
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006759.D

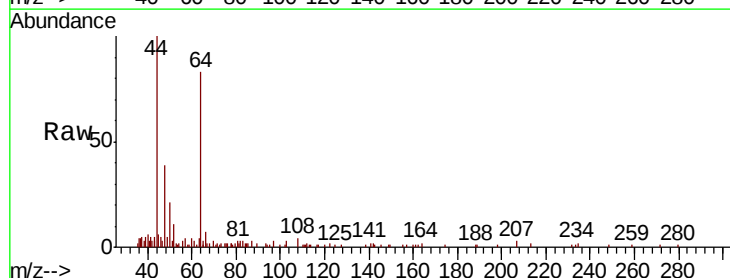
Acq: 22 Dec 2018 07:59

Tgt Ion: 50 Resp: 1327

Ion Ratio Lower Upper

50 100

52 43.9 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

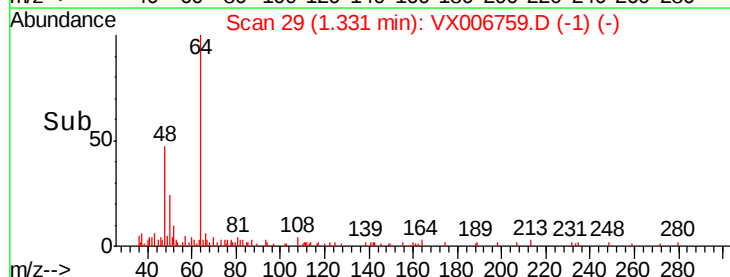
1.33

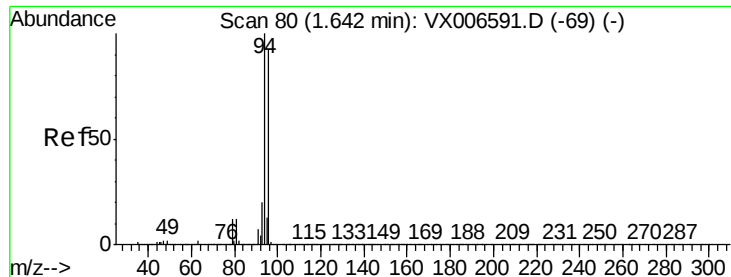
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

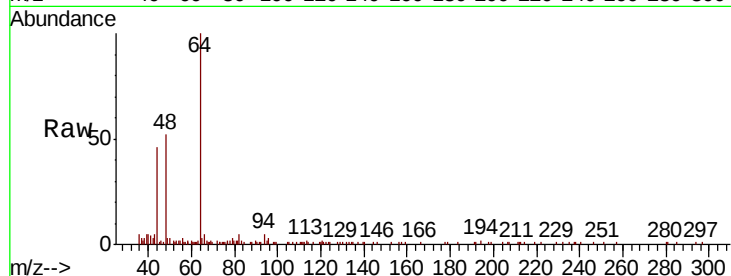
MWRV-6

Tgt Ion: 94 Resp: 344

Ion Ratio Lower Upper

94 100

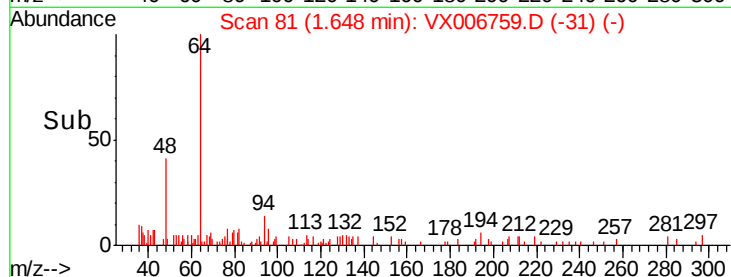
96 39.5 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

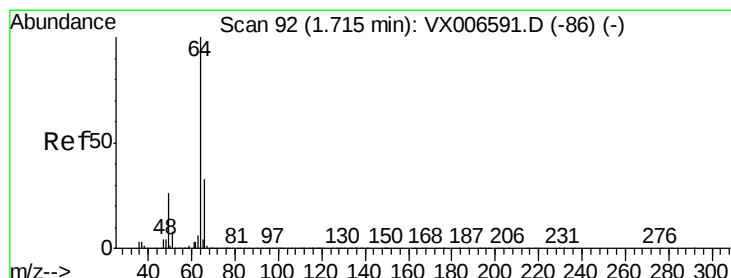
Time-->



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

Time-->



#6

Chloroethane

Concen: 4.328 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX006759.D

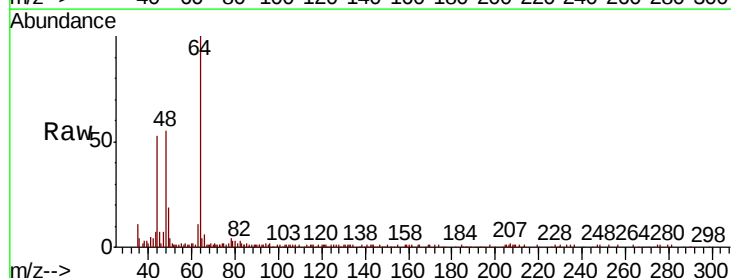
Acq: 22 Dec 2018 07:59

Tgt Ion: 64 Resp: 20160

Ion Ratio Lower Upper

64 100

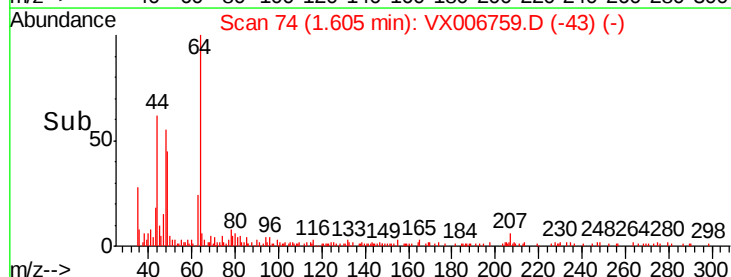
66 2.7 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

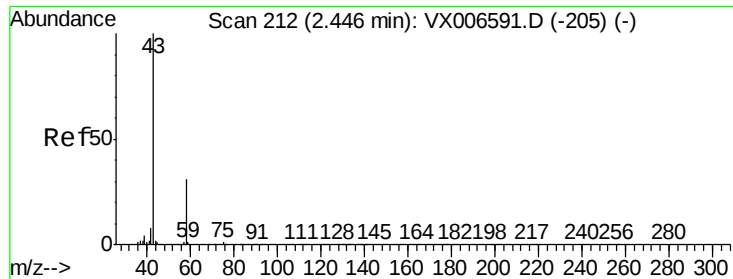
Time-->



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

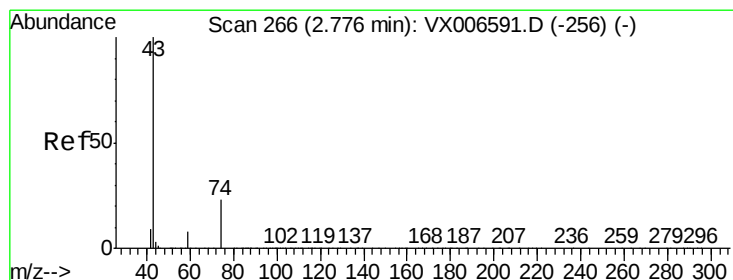
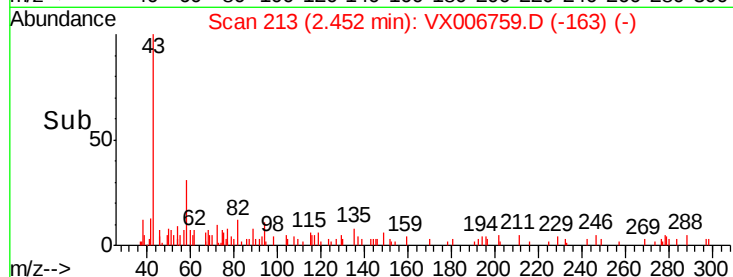
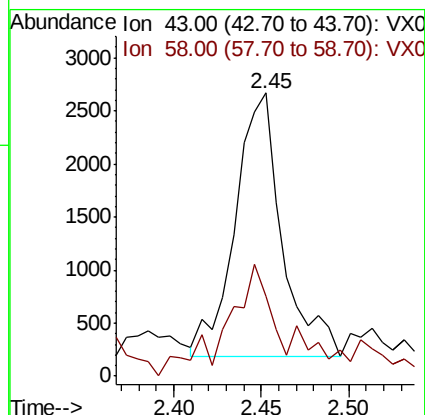
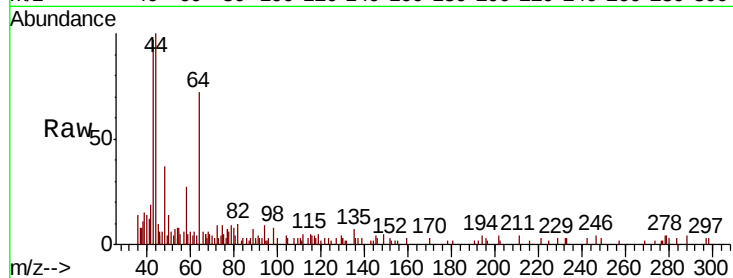
Time-->



#16
Acetone
Concen: 1.444 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

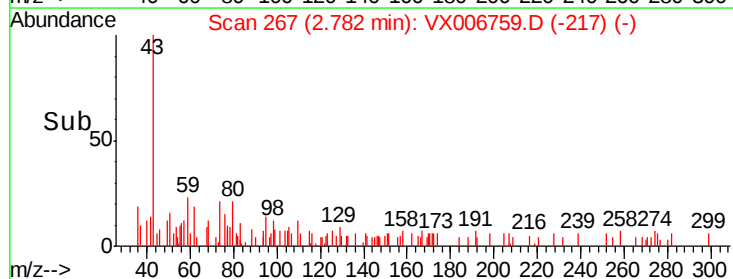
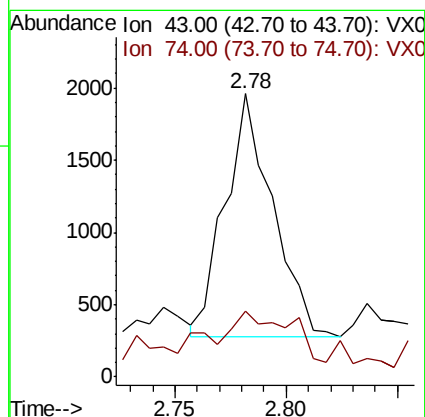
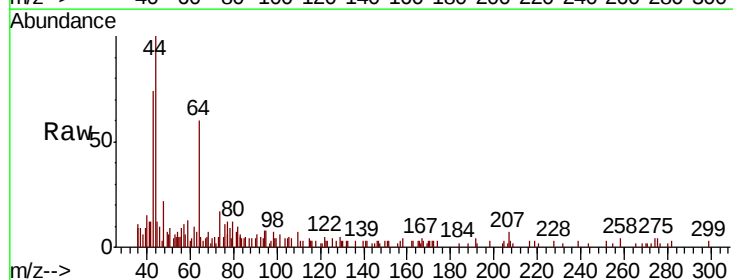
Instrument :
MSVOA_X
ClientSampleId :
MWRV-6

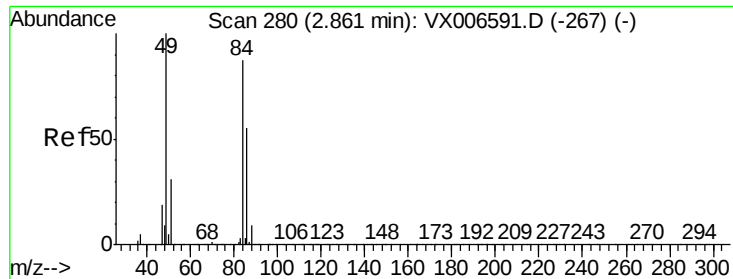
Tgt Ion: 43 Resp: 4673
Ion Ratio Lower Upper
43 100
58 29.9 25.0 37.6



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

Tgt Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
74 49.0 18.6 28.0#

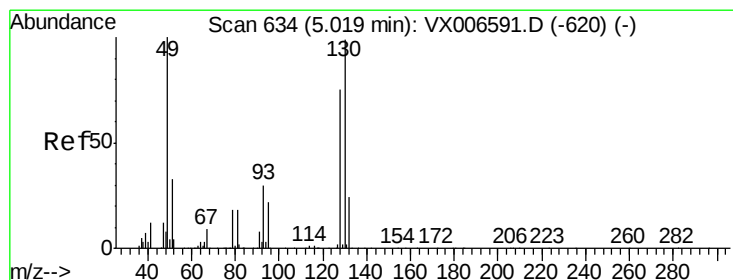
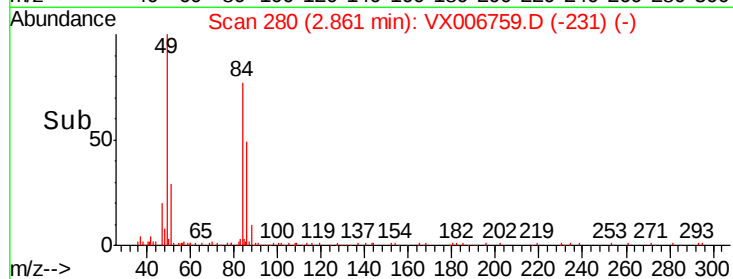
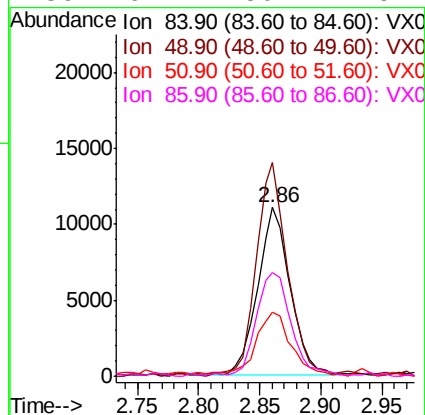
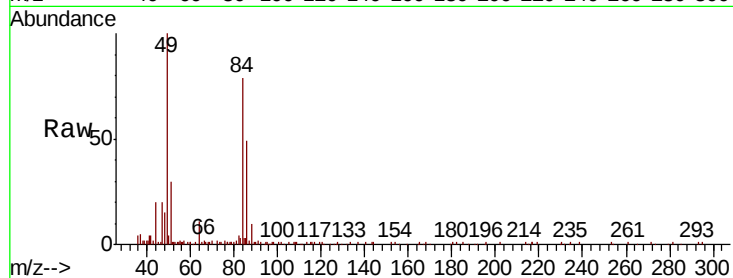




#20
Methylene Chloride
Concen: 3.062 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

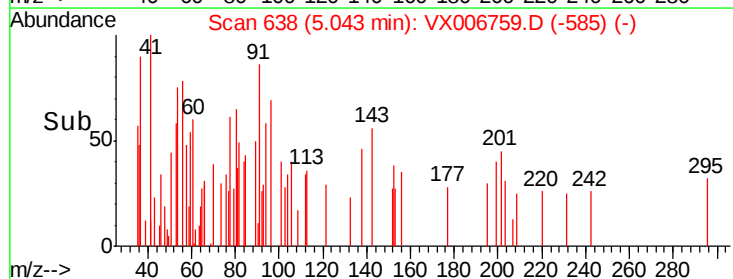
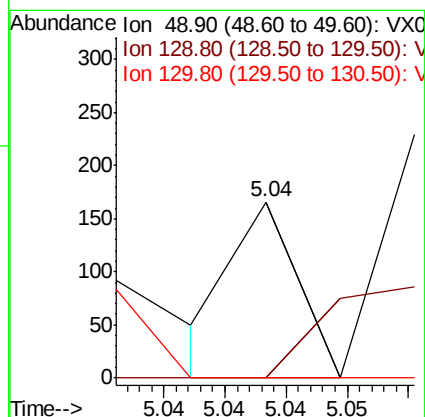
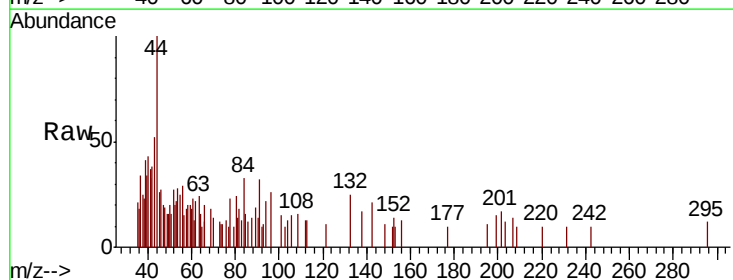
Instrument :
MSVOA_X
ClientSampleId :
MWRV-6

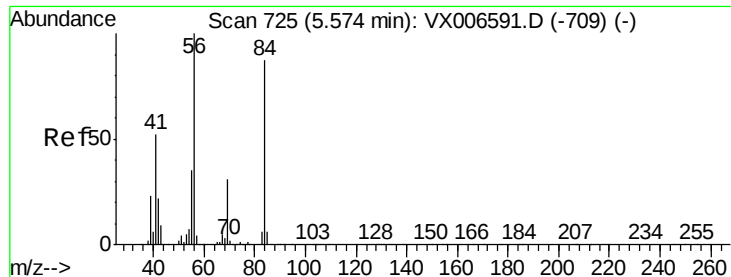
Tgt Ion:	84	Resp:	20489
Ion	Ratio	Lower	Upper
84	100		
49	126.7	91.8	137.6
51	37.1	28.5	42.7
86	61.4	50.2	75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 638
Delta R.T. 0.02 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

Tgt Ion:	49	Resp:	61
Ion	Ratio	Lower	Upper
49	100		
129	96.7	0.0	5.4#
130	39.3	77.7	116.5#

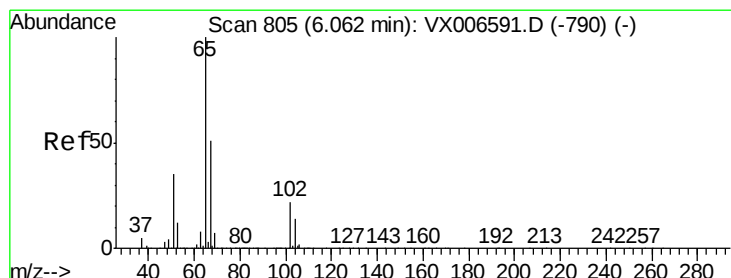
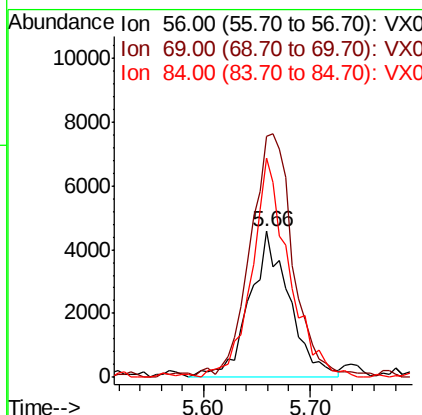
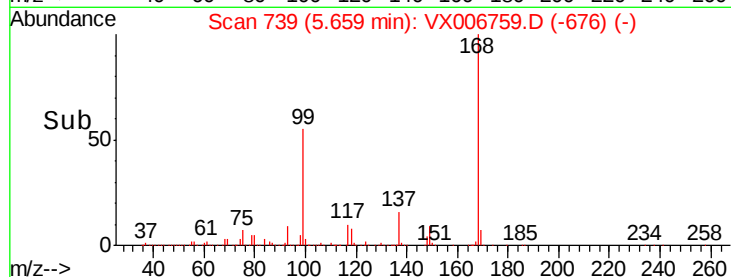
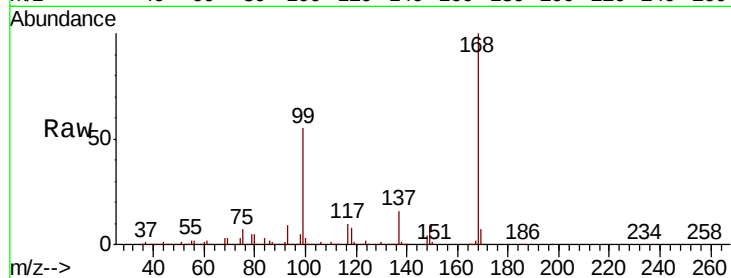




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

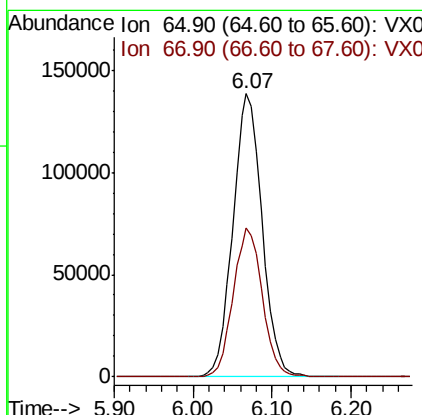
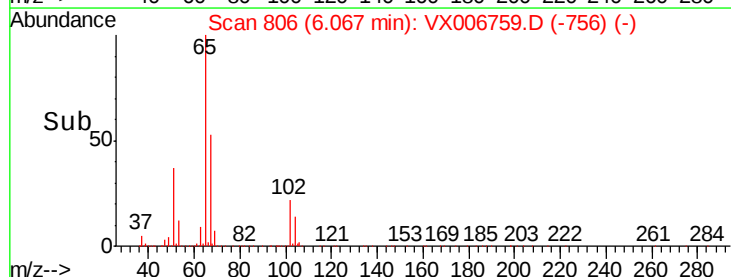
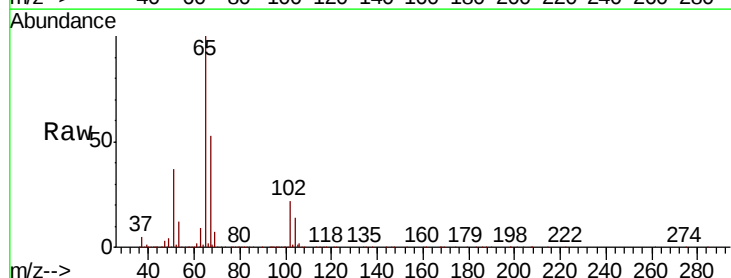
Instrument :
MSVOA_X
ClientSampled :
MWRV-6

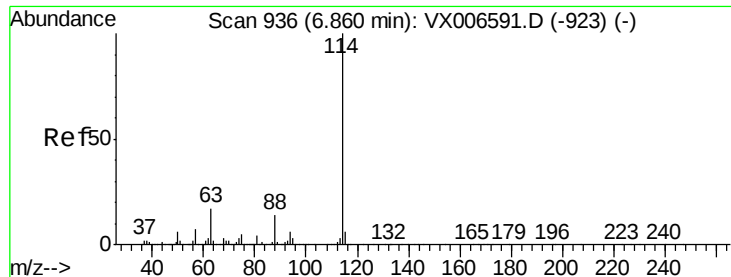
Tgt Ion: 56 Resp: 11979
Ion Ratio Lower Upper
56 100
69 162.2 24.4 36.6#
84 148.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 50.509 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

Tgt Ion: 65 Resp: 355727
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

MWRV-6

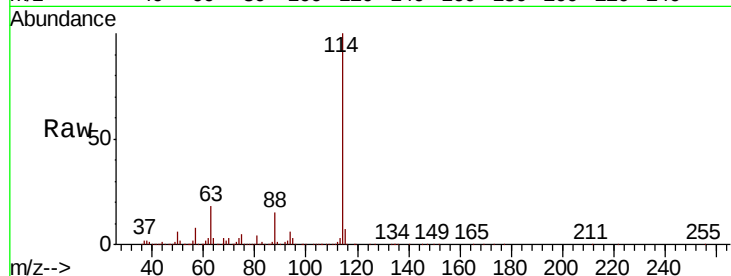
Tgt Ion:114 Resp: 1019318

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

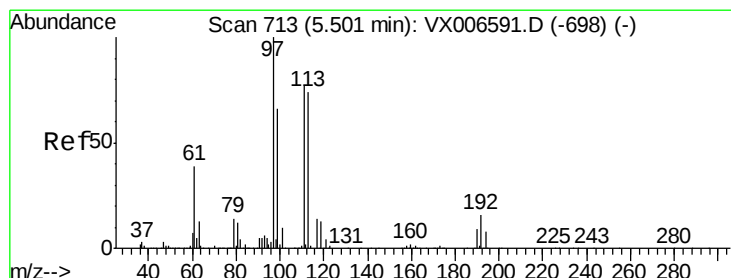
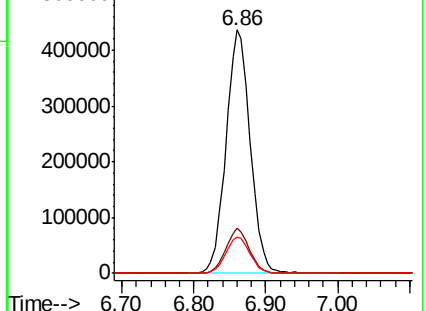
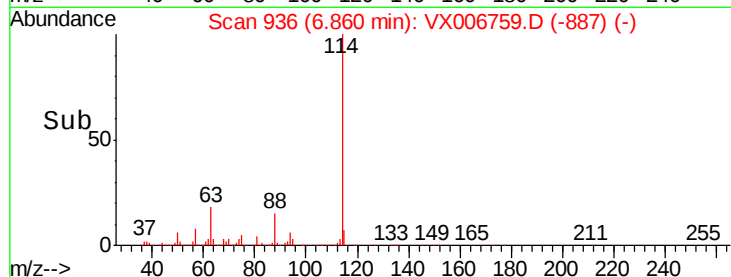
88 14.7 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 47.476 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

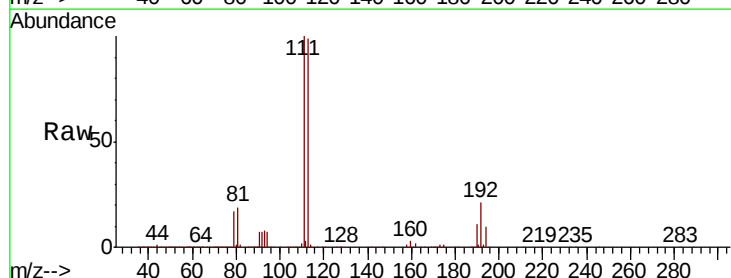
Tgt Ion:113 Resp: 306030

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

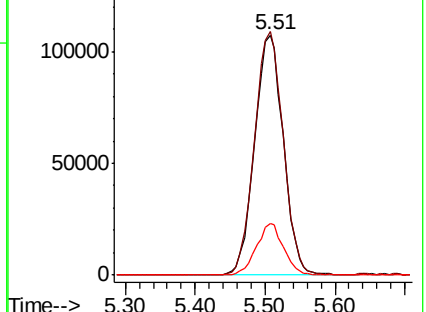
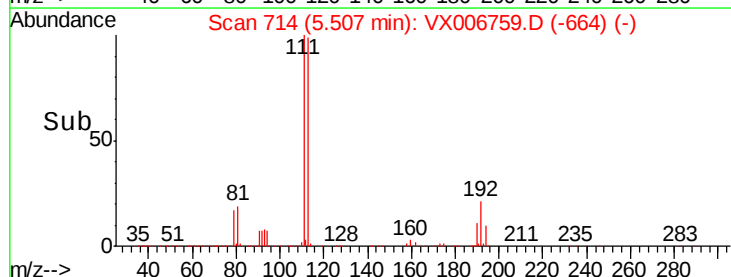
192 20.3 16.7 25.1

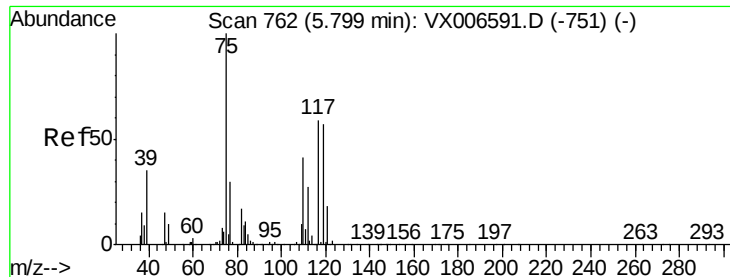


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

MWRV-6

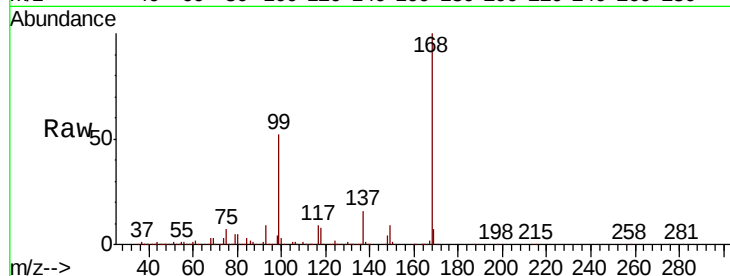
Tgt Ion: 75 Resp: 42257

Ion Ratio Lower Upper

75 100

110 11.4 20.2 60.5#

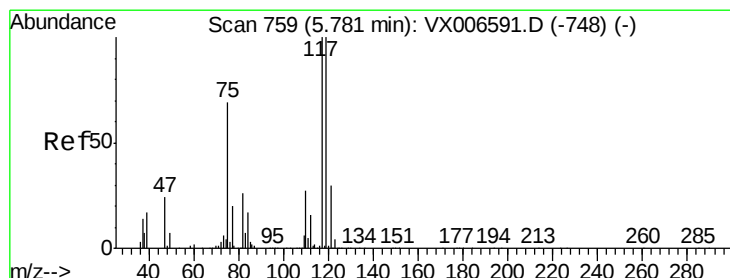
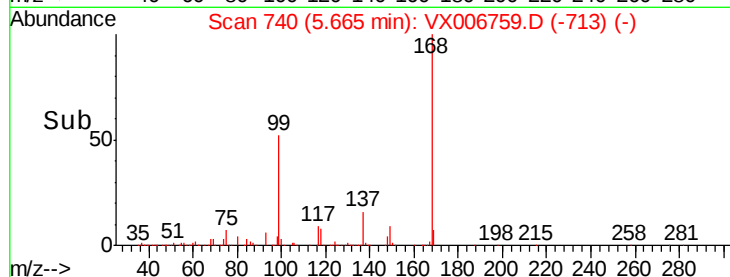
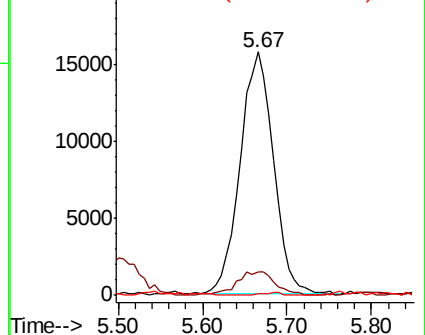
77 0.0 24.8 37.2#



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: 7.466 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

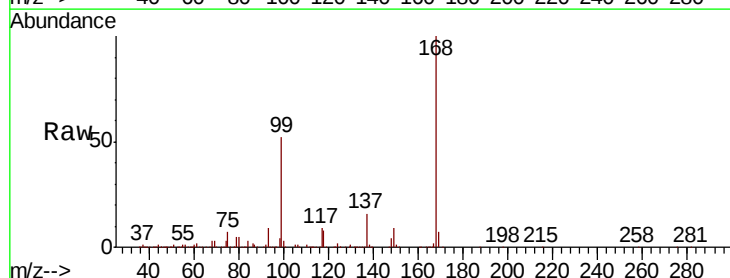
Tgt Ion: 117 Resp: 61257

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

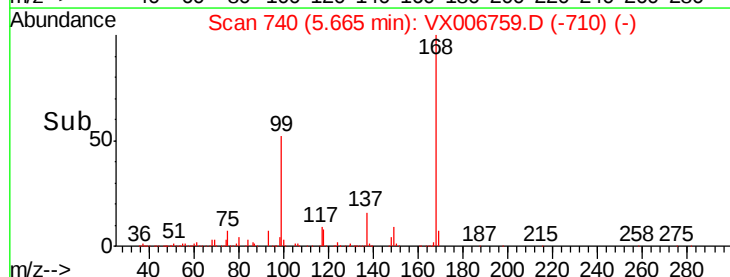
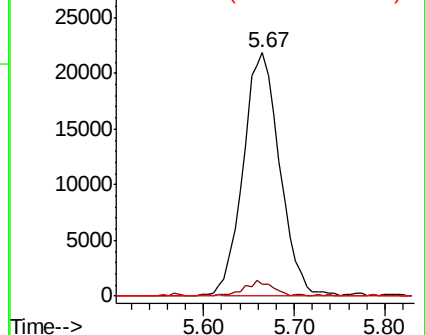
121 0.0 24.0 36.0#

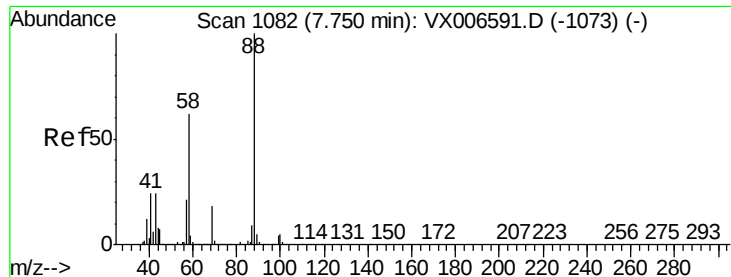


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

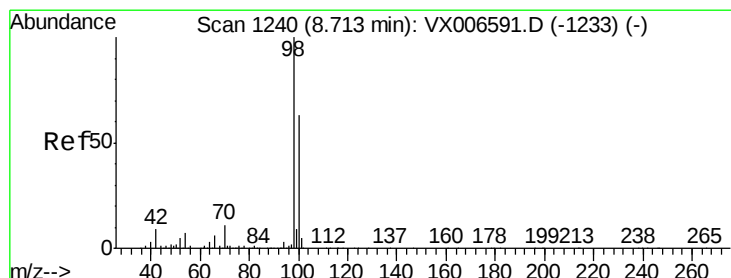
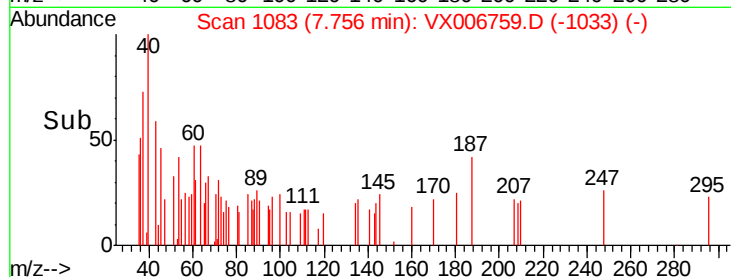
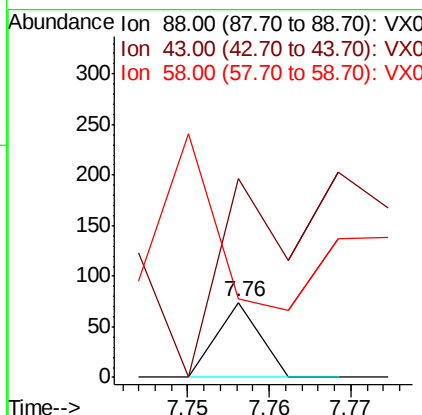
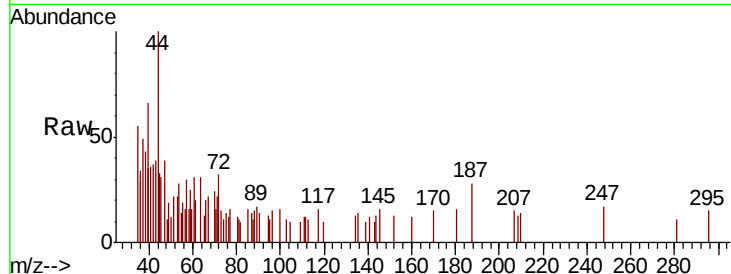




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

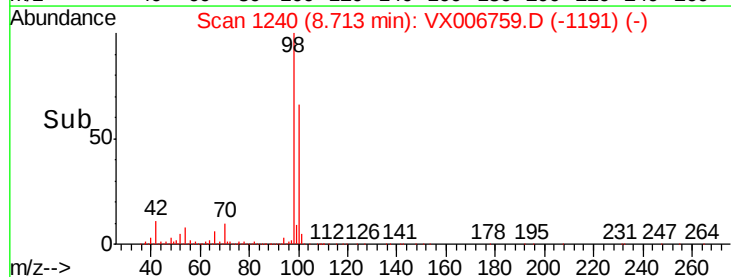
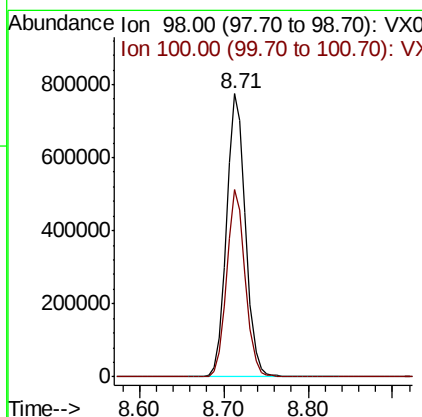
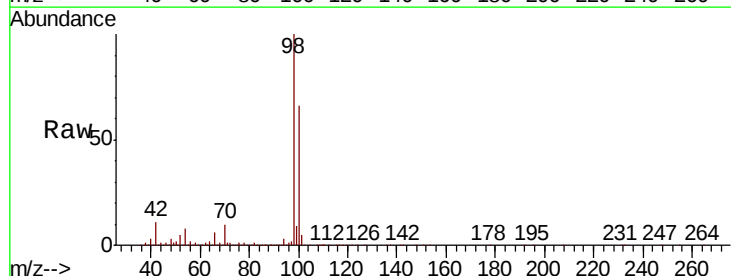
Instrument :
MSVOA_X
ClientSampled :
MWRV-6

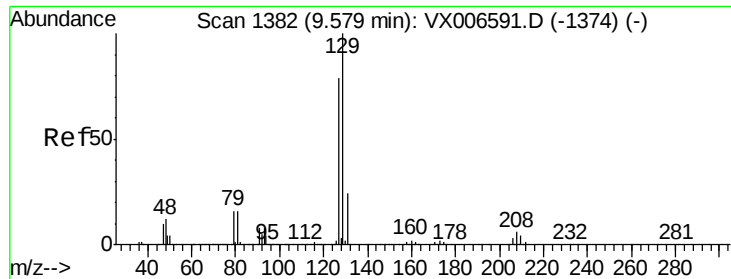
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 540.7 51.0 76.4#



#50
Toluene-d8
Concen: 49.123 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

Tgt Ion: 98 Resp: 1193754
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0





#60

Dibromochloromethane

Concen: 2.333 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.14 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

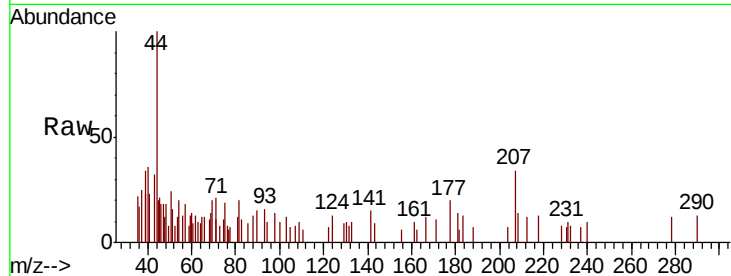
MWRV-6

Tgt Ion:129 Resp: 69

Ion Ratio Lower Upper

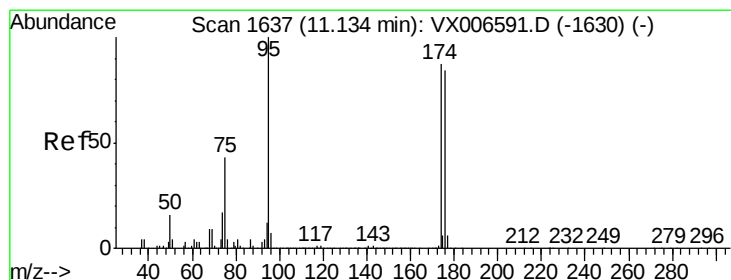
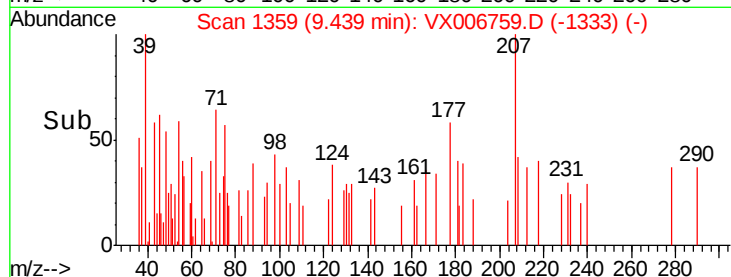
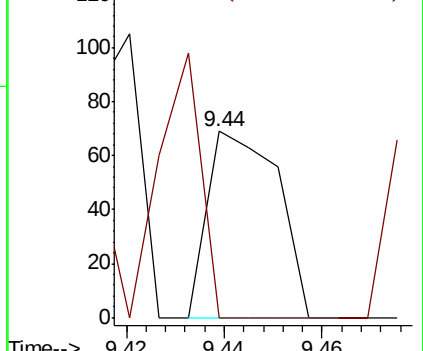
129 100

127 84.1 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.711 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

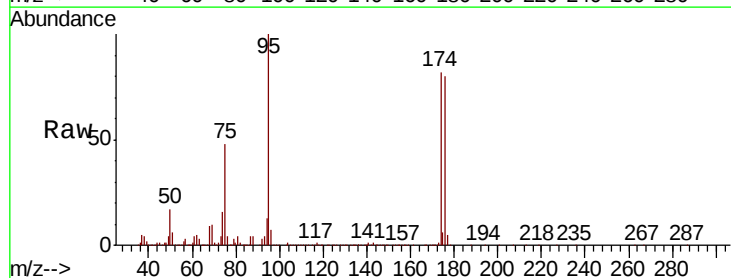
Tgt Ion: 95 Resp: 406837

Ion Ratio Lower Upper

95 100

174 89.0 0.0 182.2

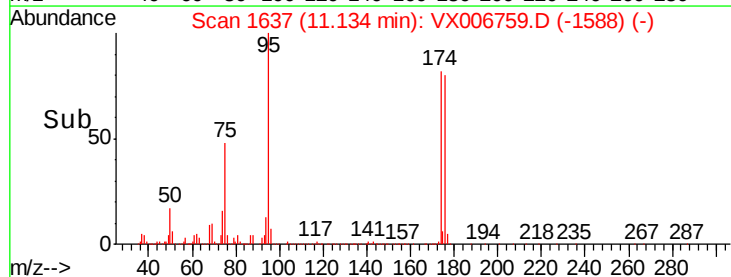
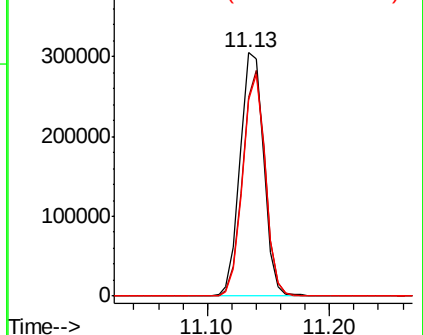
176 86.8 0.0 178.8

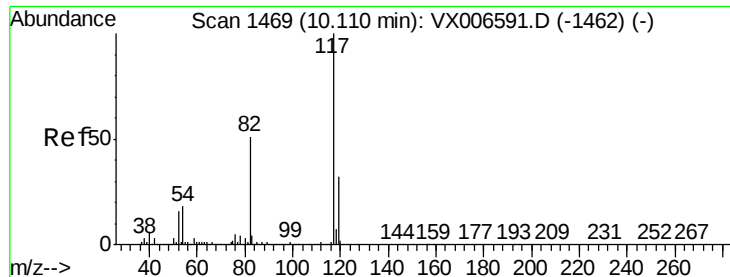


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

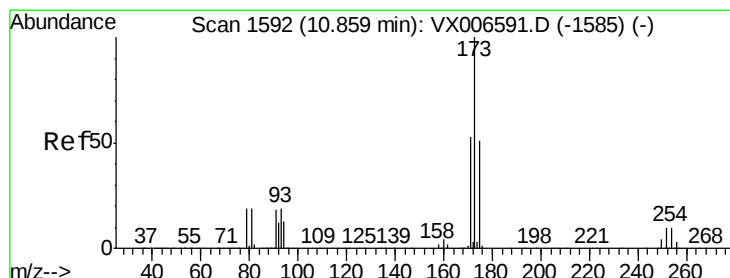
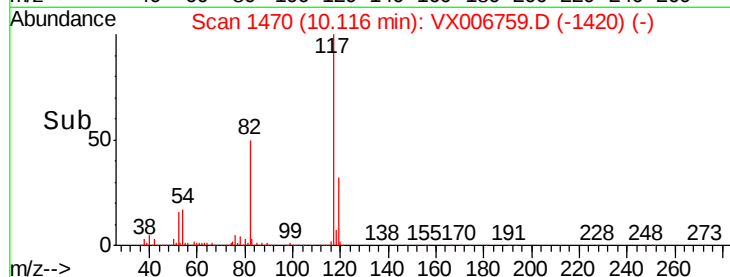
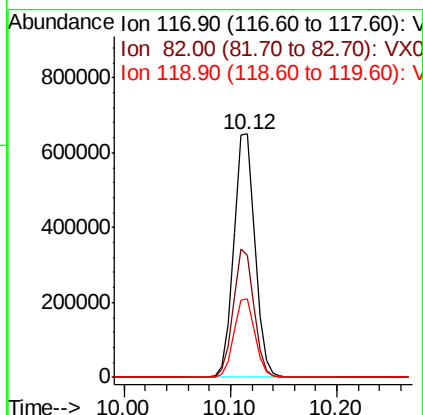
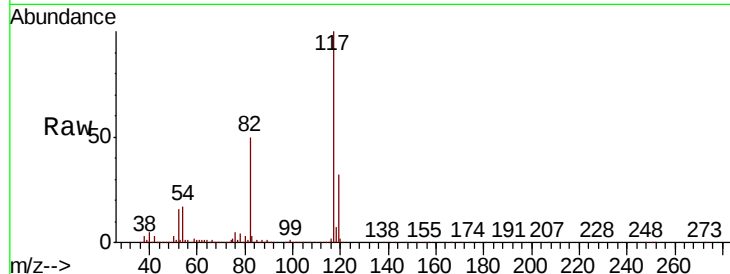




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

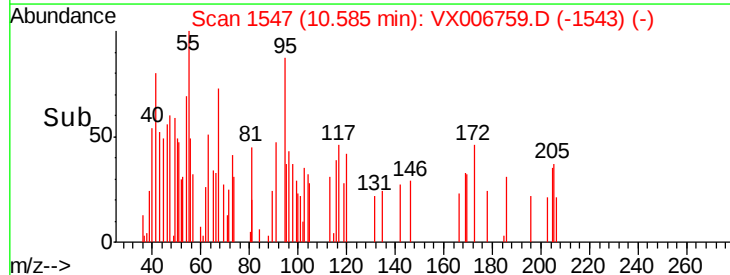
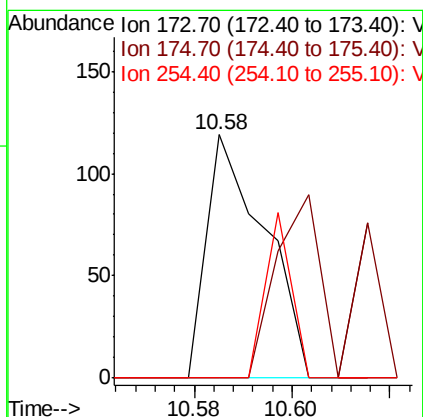
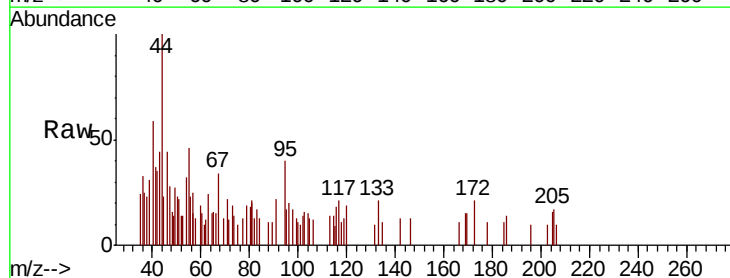
Instrument :
MSVOA_X
ClientSampleId :
MWRV-6

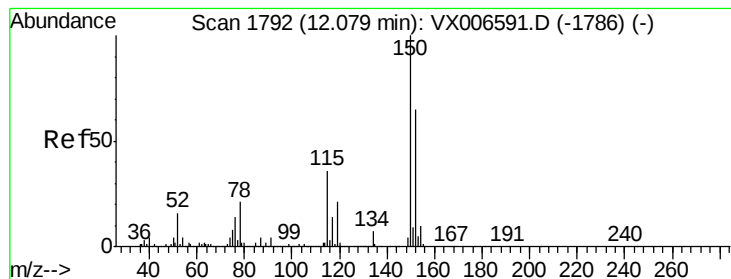
Tgt Ion:117 Resp: 912223
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.6
119 32.2 25.4 38.0



#71
Bromoform
Concen: 4.476 ug/l
RT: 10.58 min Scan# 1547
Delta R.T. -0.27 min
Lab File: VX006759.D
Acq: 22 Dec 2018 07:59

Tgt Ion:173 Resp: 97
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 30.9 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

MWRV-6

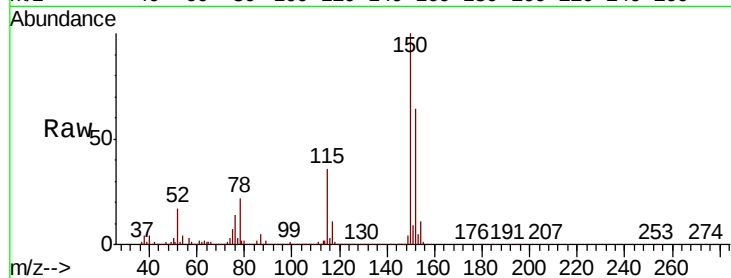
Tgt Ion:152 Resp: 414994

Ion Ratio Lower Upper

152 100

115 55.6 39.1 117.2

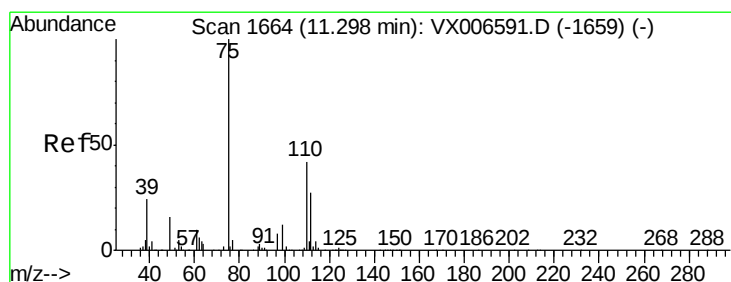
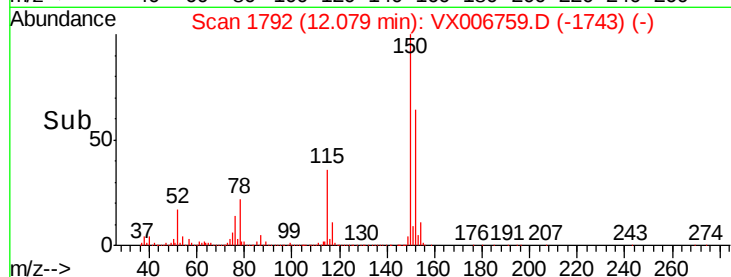
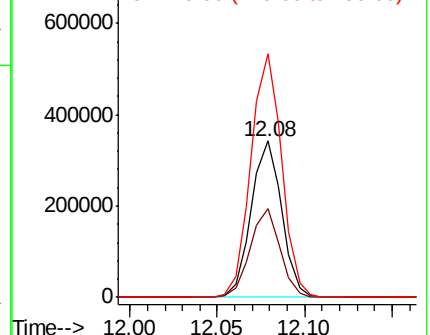
150 157.4 0.0 344.8



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: 24.949 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006759.D

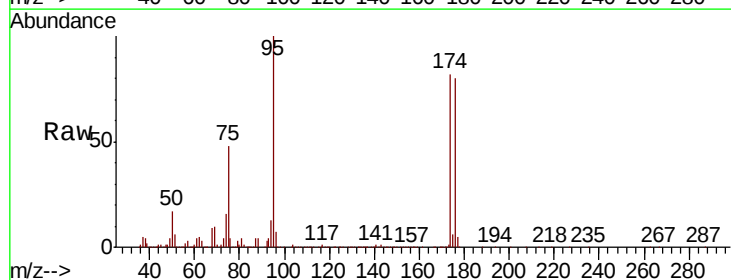
Acq: 22 Dec 2018 07:59

Tgt Ion: 75 Resp: 192415

Ion Ratio Lower Upper

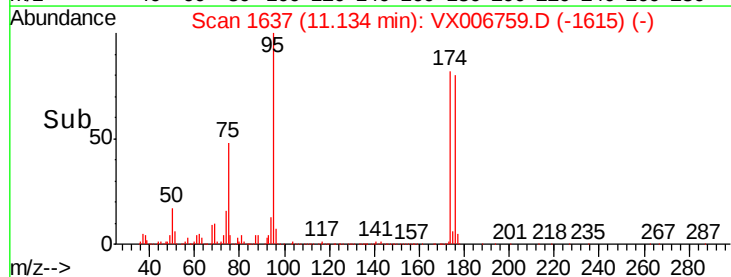
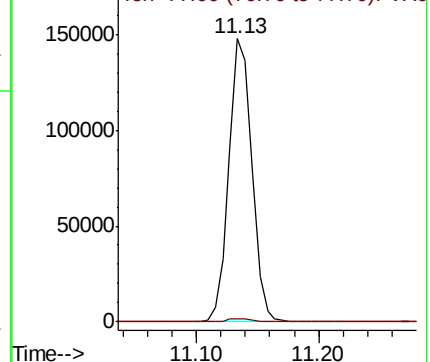
75 100

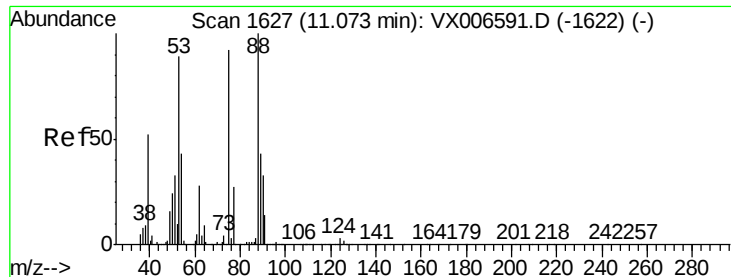
77 1.5 18.5 55.5#



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: 73.732 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006759.D

Acq: 22 Dec 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

MWRV-6

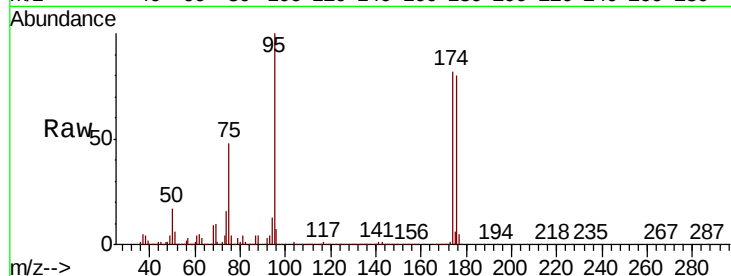
Tgt Ion: 75 Resp: 192415

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

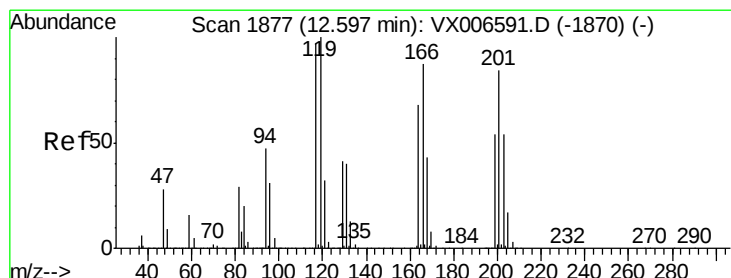
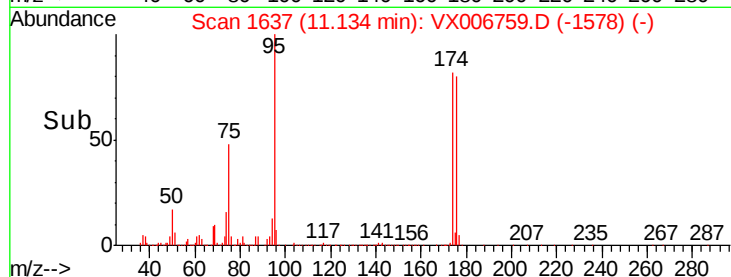
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 3.420 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006759.D

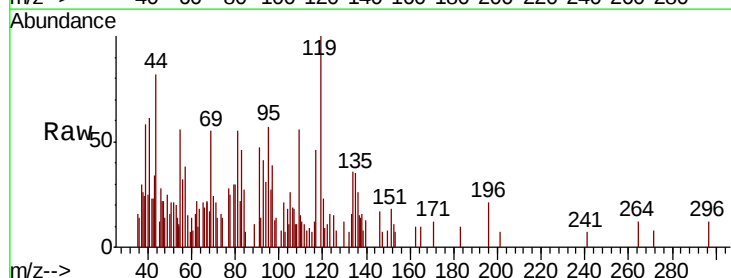
Acq: 22 Dec 2018 07:59

Tgt Ion: 117 Resp: 537

Ion Ratio Lower Upper

117 100

201 3.7 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.59

400

300

200

100

0

Time-->

