

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006819.D
 Acq On : 26 Dec 2018 15:36
 Operator : JC/MD
 Sample : J6549-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Dec 27 03:04:31 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	800244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1159437	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1056639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	553942	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	381562	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	
35) Dibromofluoromethane	5.50	113	339609	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	
50) Toluene-d8	8.71	98	1355370	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	500402	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

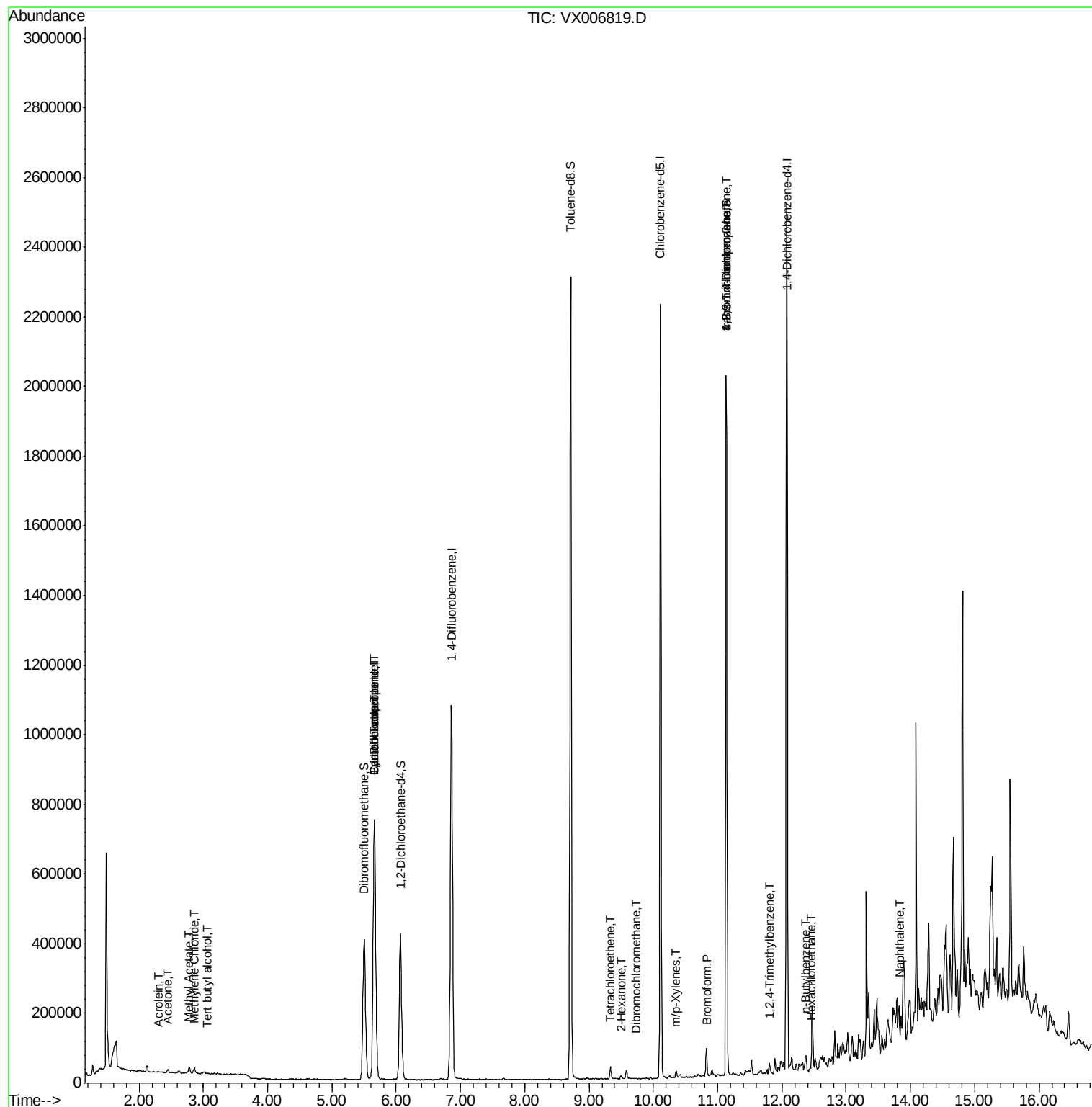
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1451	Below Cal	#	78
11) Tert butyl alcohol	3.07	59	965	0.501	ug/l #	72
13) Acrolein	2.29	56	731	0.563	ug/l	85
16) Acetone	2.45	43	10885	2.747	ug/l #	88
18) Methyl Acetate	2.78	43	22712	1.949	ug/l	96
20) Methylene Chloride	2.86	84	7613	0.929	ug/l #	83
28) Bromochloromethane	5.03	49	227	Below Cal	#	15
31) Cyclohexane	5.67	56	12099	1.013	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	49201	5.124	ug/l #	49
38) Carbon Tetrachloride	5.66	117	67469	7.230	ug/l #	14
49) 1,4-Dioxane	7.74	88	24	Below Cal	#	1
59) 2-Hexanone	9.50	43	6134	0.829	ug/l	74
60) Dibromochloromethane	9.73	129	297	2.359	ug/l #	50
64) Tetrachloroethene	9.34	164	7232	0.864	ug/l	87
68) m/p-Xylenes	10.36	106	4251	0.295	ug/l	86
71) Bromoform	10.85	173	157	4.483	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	235744	22.900	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	235744	68.024	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	12969	0.395	ug/l	96
89) n-Butylbenzene	12.38	91	6651	0.232	ug/l #	53
90) Hexachloroethane	12.45	117	277	3.342	ug/l	93
95) Naphthalene	13.83	128	9558	0.235	ug/l #	83

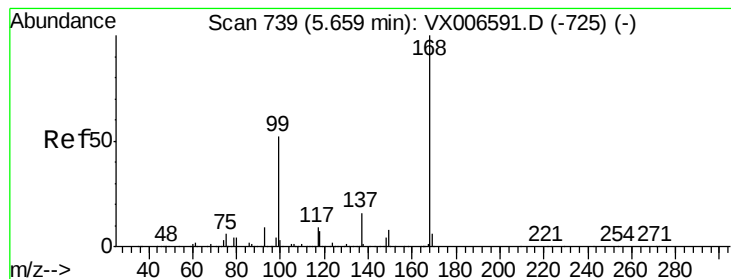
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

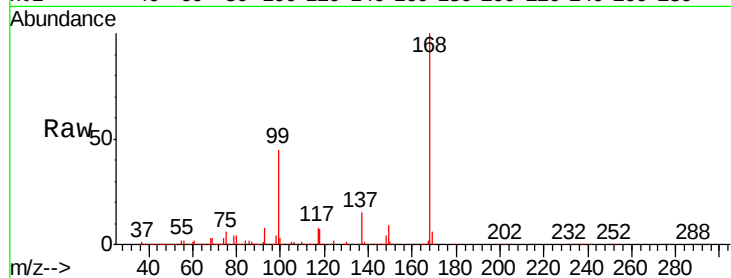
MW-8

Tgt Ion:168 Resp: 800244

Ion Ratio Lower Upper

168 100

99 45.2 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

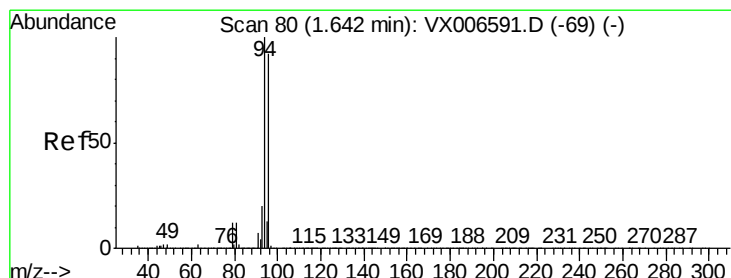
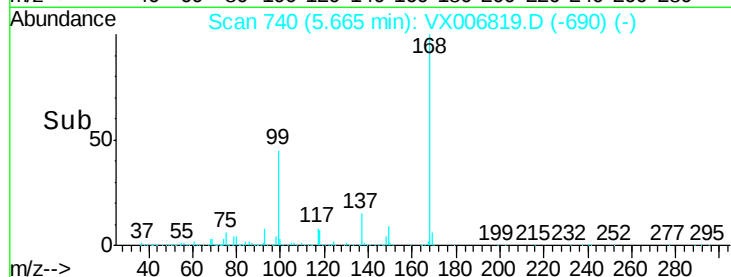
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006819.D

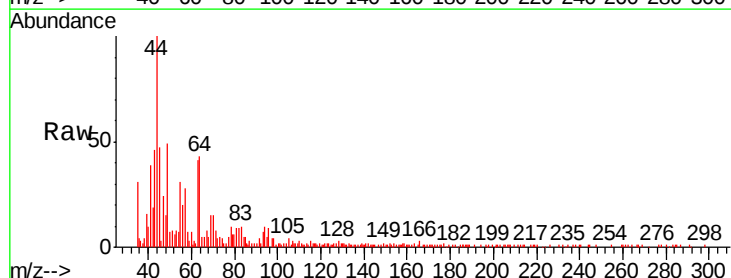
Acq: 26 Dec 2018 15:36

Tgt Ion: 94 Resp: 1451

Ion Ratio Lower Upper

94 100

96 71.3 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

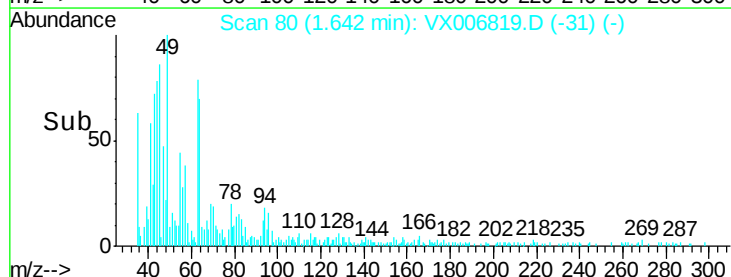
1.64

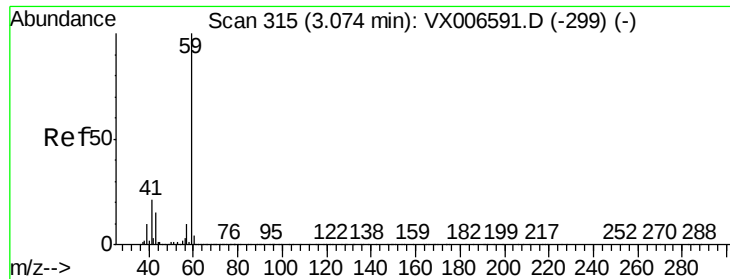
1000

500

0

Time-->

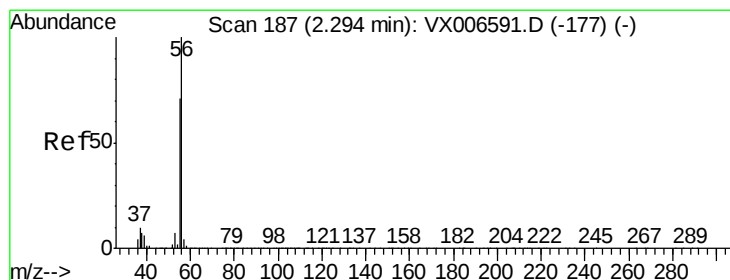
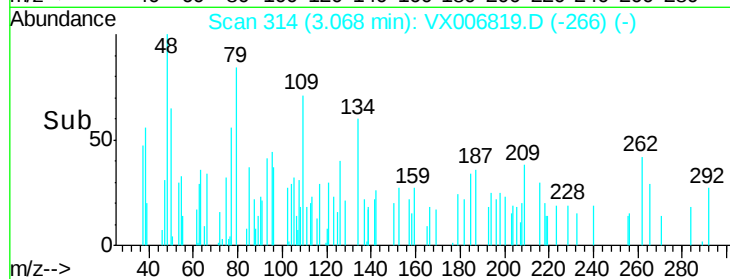
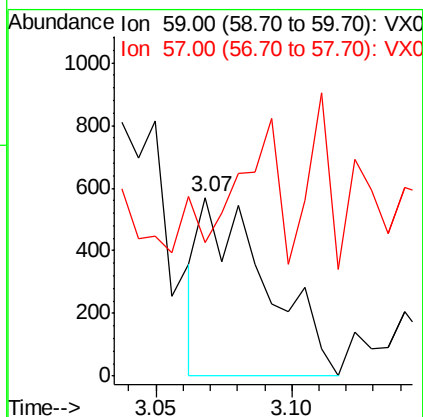
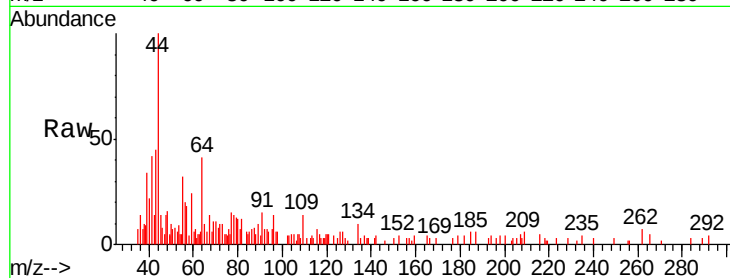




#11
Tert butyl alcohol
Concen: 0.501 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

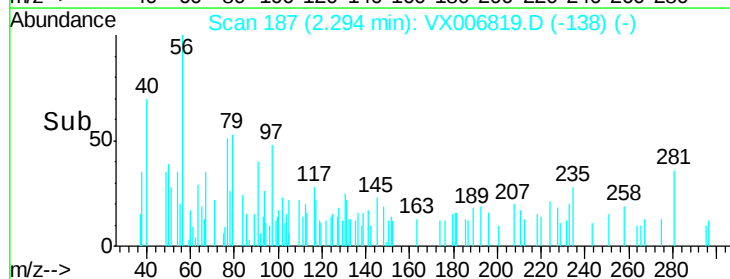
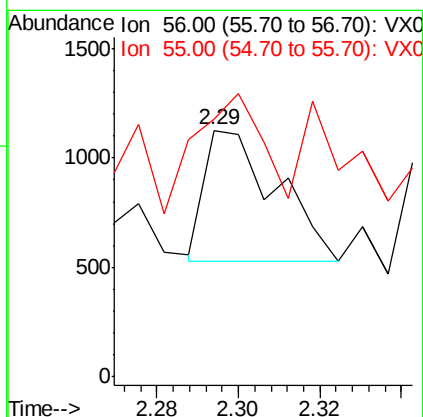
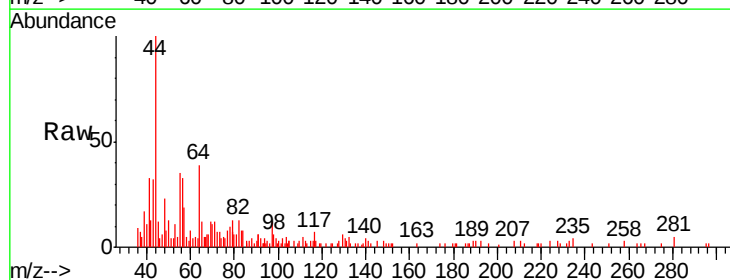
Instrument :
MSVOA_X
ClientSampled :
MW-8

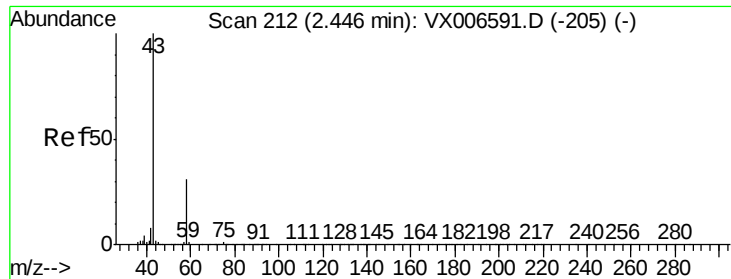
Tgt Ion: 59 Resp: 965
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.563 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

Tgt Ion: 56 Resp: 731
Ion Ratio Lower Upper
56 100
55 85.8 58.2 87.4

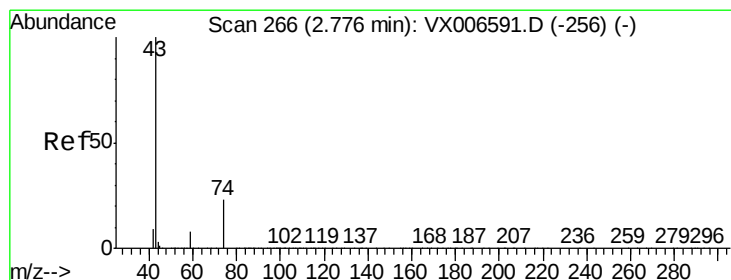
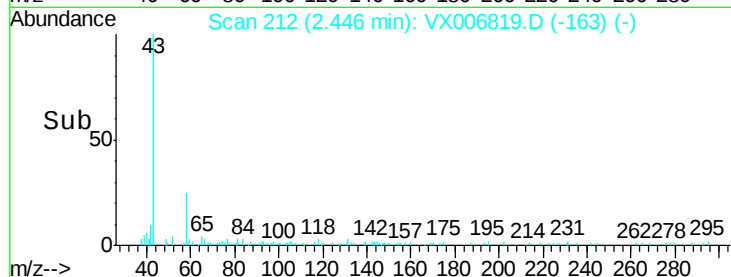
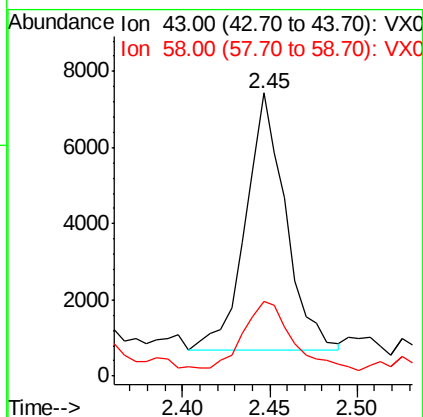
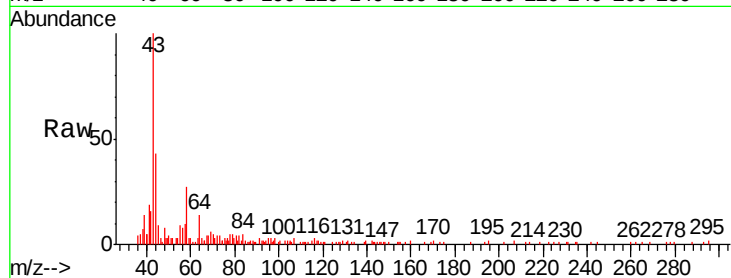




#16
Acetone
Concen: 2.747 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

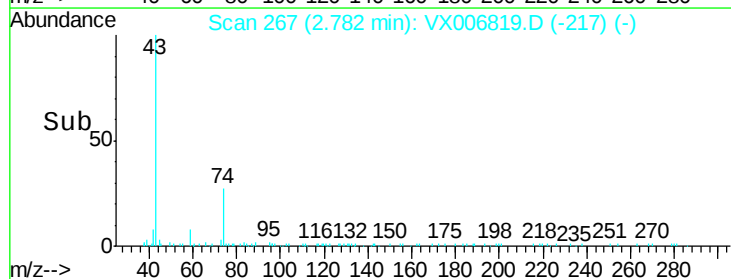
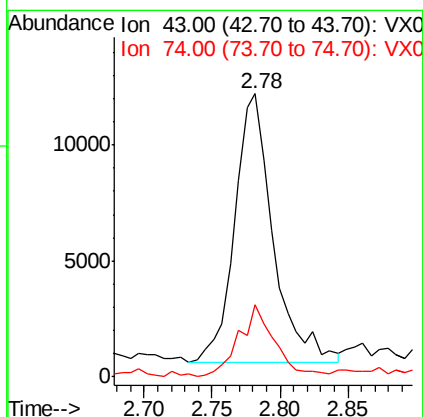
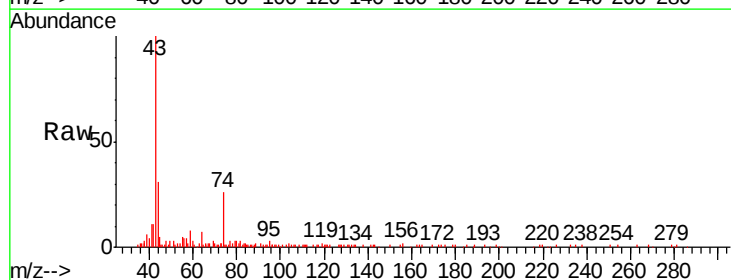
Instrument :
MSVOA_X
ClientSampleId :
MW-8

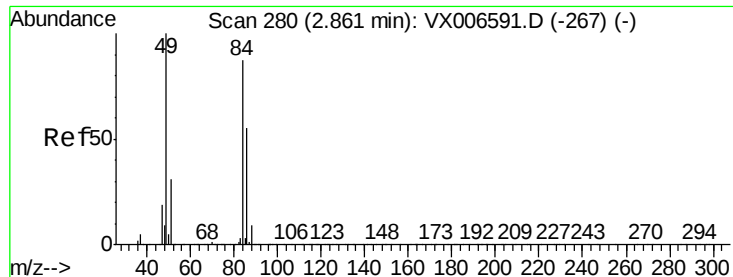
Tgt Ion: 43 Resp: 10885
Ion Ratio Lower Upper
43 100
58 24.4 25.0 37.6#



#18
Methyl Acetate
Concen: 1.949 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

Tgt Ion: 43 Resp: 22712
Ion Ratio Lower Upper
43 100
74 25.4 18.6 28.0

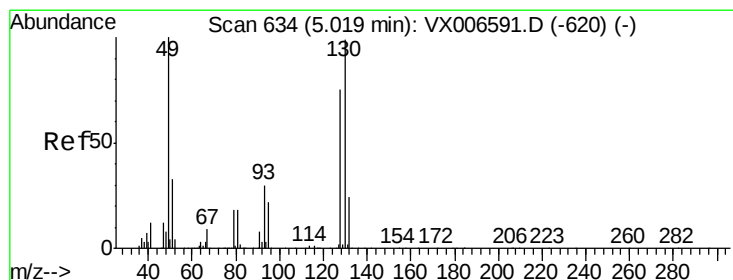
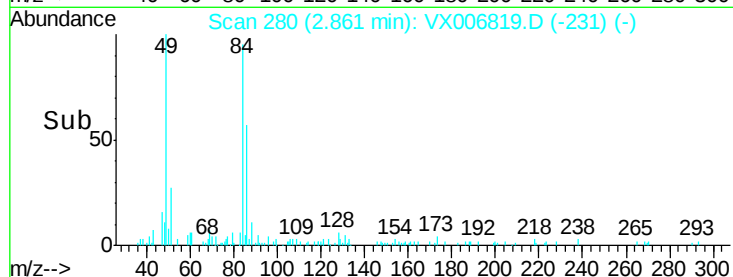
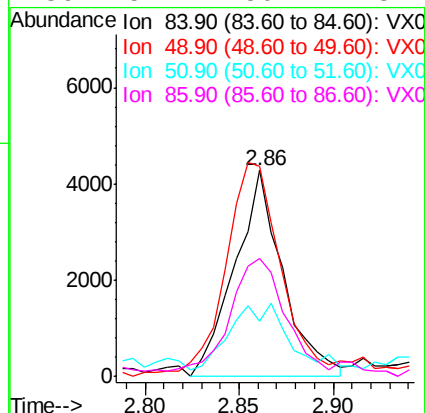
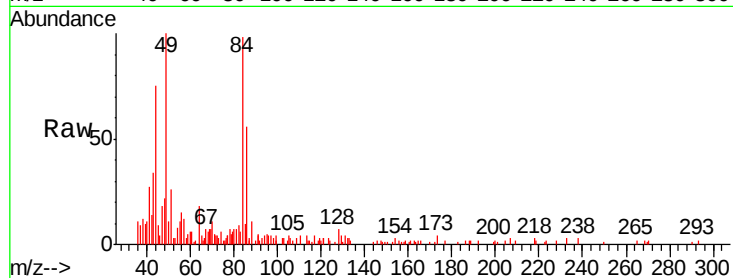




#20
Methylene Chloride
Concen: 0.929 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

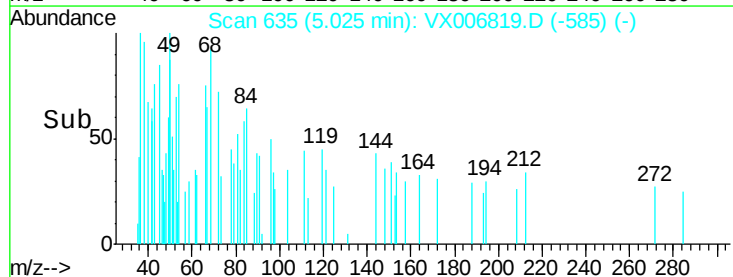
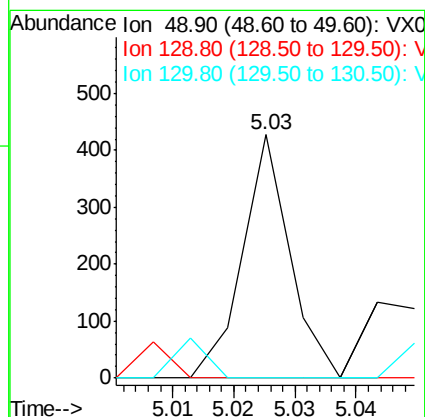
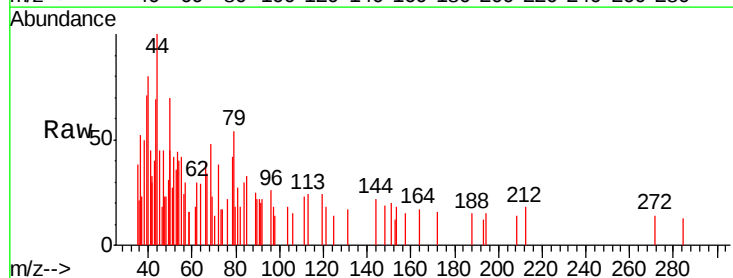
Instrument :
MSVOA_X
ClientSampleId :
MW-8

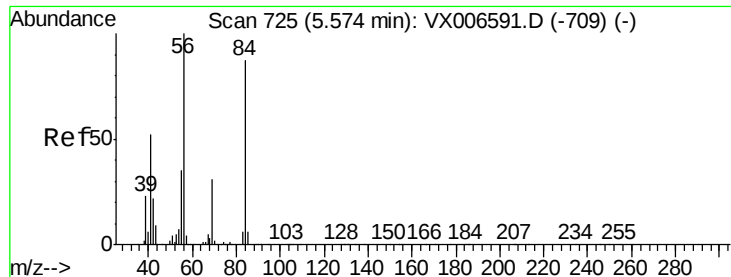
Tgt Ion: 84 Resp: 7613
Ion Ratio Lower Upper
84 100
49 95.2 91.8 137.6
51 23.9 28.5 42.7#
86 51.7 50.2 75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

Tgt Ion: 49 Resp: 227
Ion Ratio Lower Upper
49 100
129 10.1 0.0 5.4#
130 11.5 77.7 116.5#

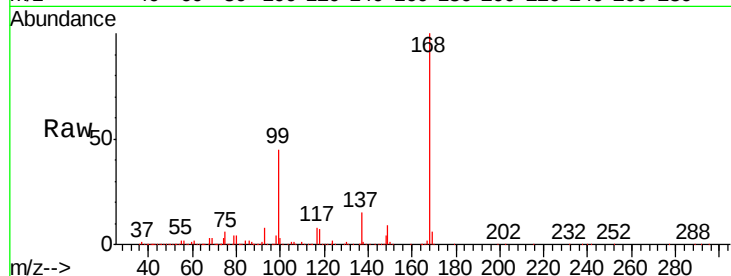




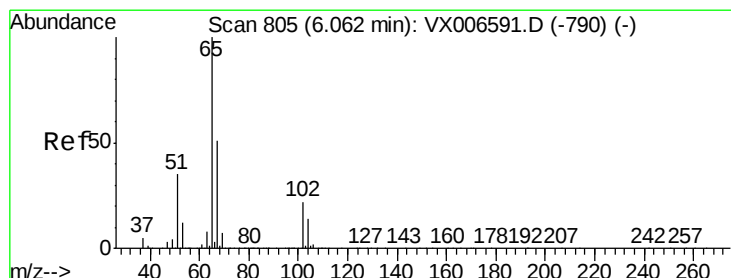
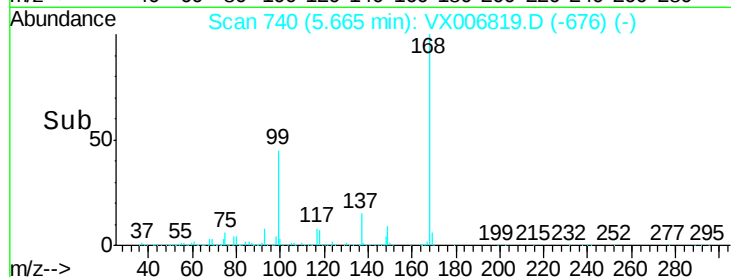
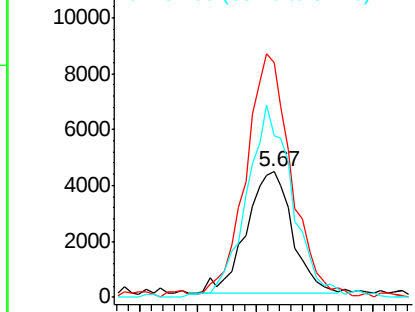
#31
Cyclohexane
Concen: 1.013 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tgt Ion: 56 Resp: 12099
Ion Ratio Lower Upper
56 100
69 190.6 24.4 36.6#
84 130.9 70.0 105.0#

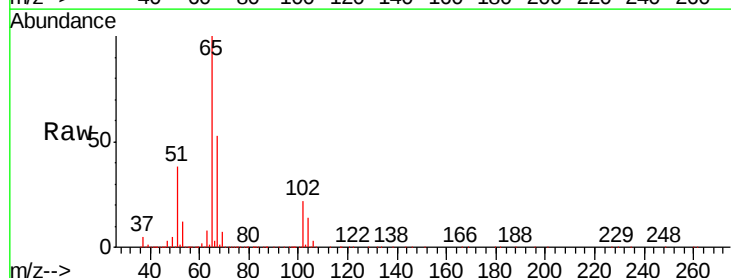


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

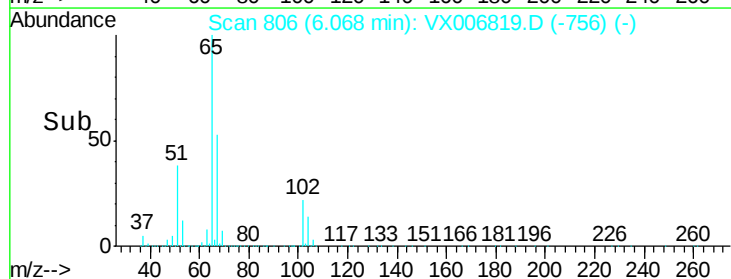
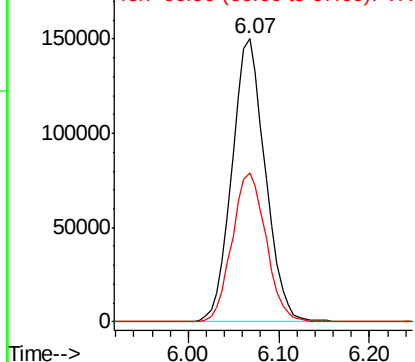


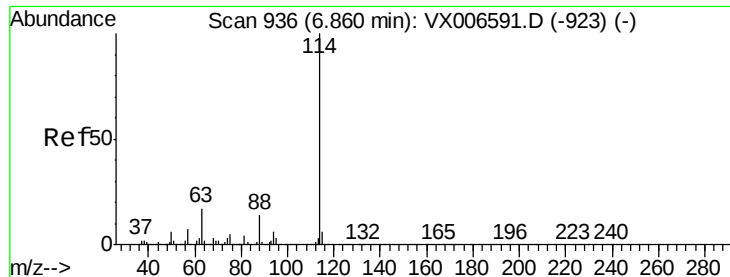
#33
1,2-Dichloroethane-d4
Concen: 44.241 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

Tgt Ion: 65 Resp: 381562
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.0



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: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

MW-8

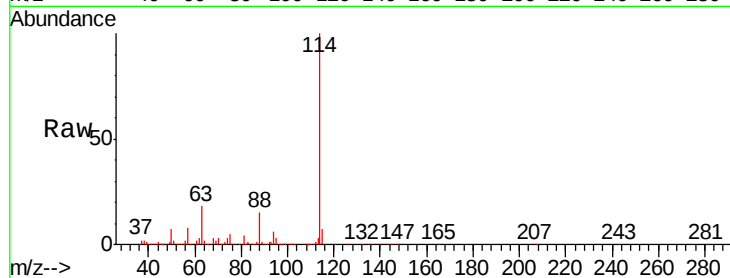
Tgt Ion:114 Resp: 1159437

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

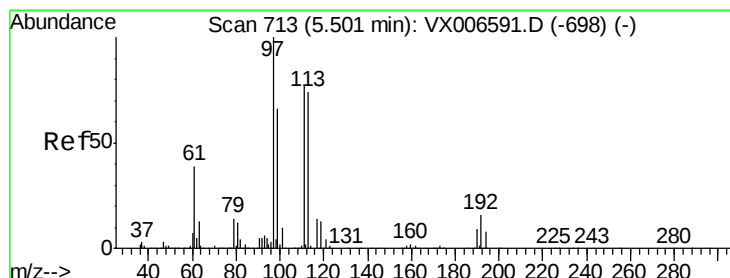
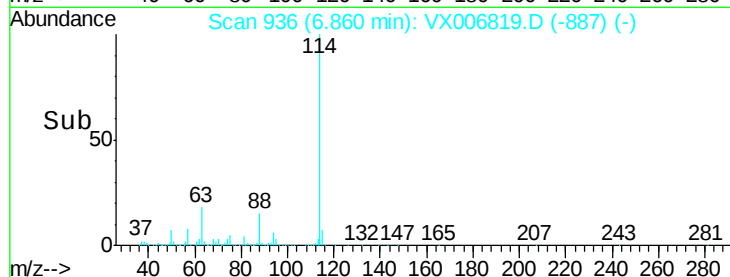
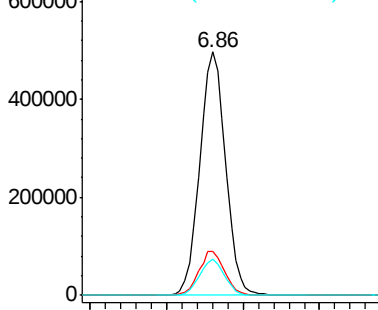
88 14.8 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 46.318 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

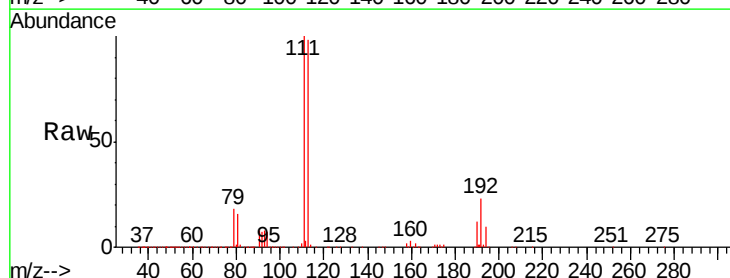
Tgt Ion:113 Resp: 339609

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

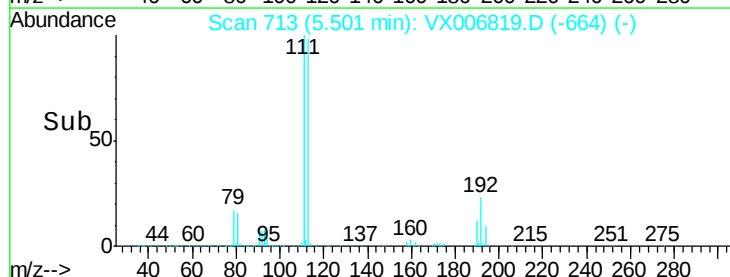
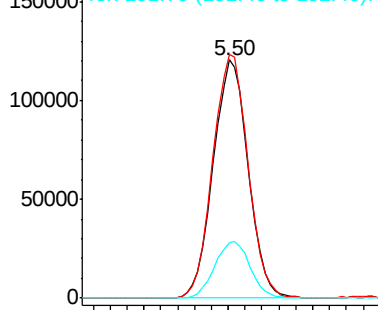
192 24.0 16.7 25.1

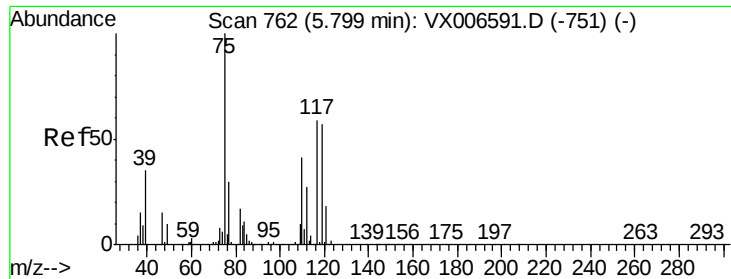


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

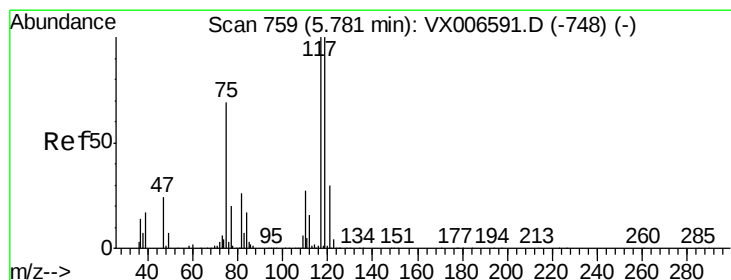
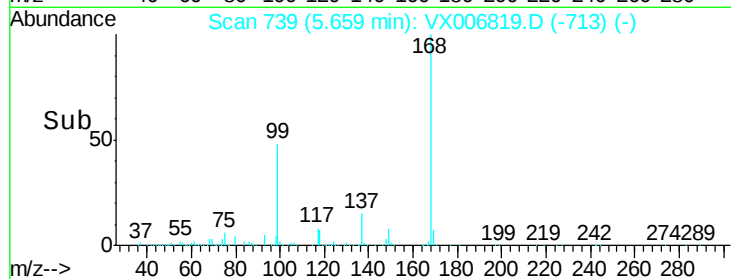
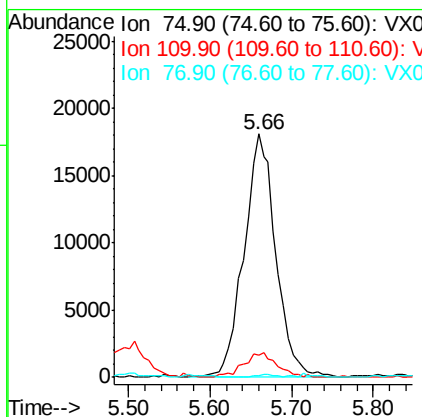
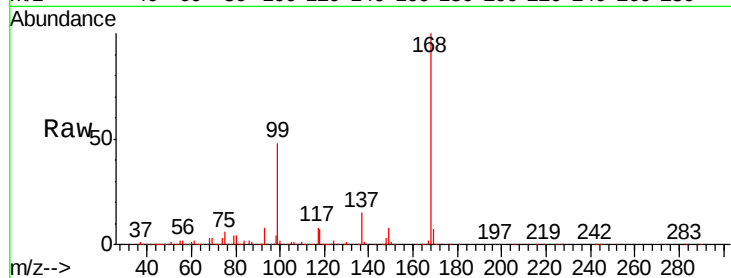




#36
 1,1-Dichloropropene
 Concen: 5.124 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006819.D
 Acq: 26 Dec 2018 15:36

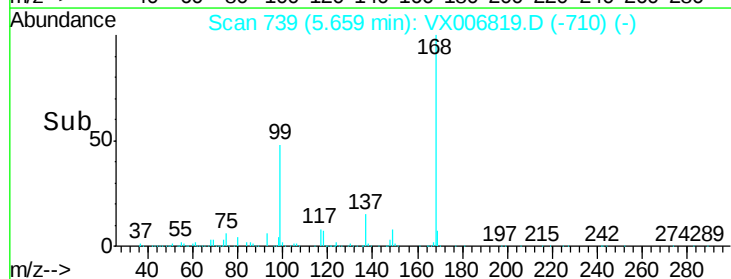
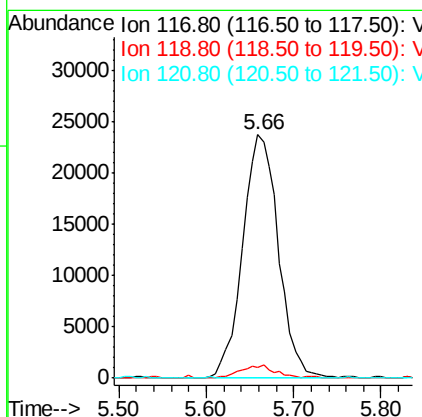
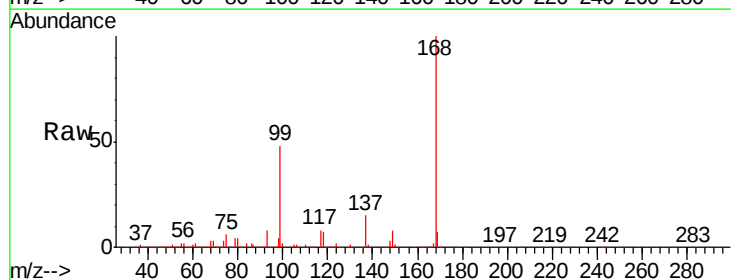
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

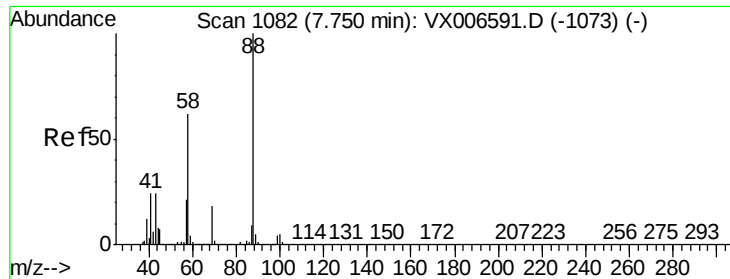
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	20.2	60.5#
77	0.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.230 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006819.D
 Acq: 26 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	79.4	119.2#
121	0.3	24.0	36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampled :

MW-8

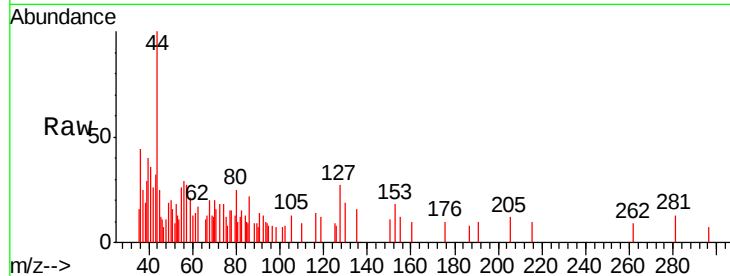
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

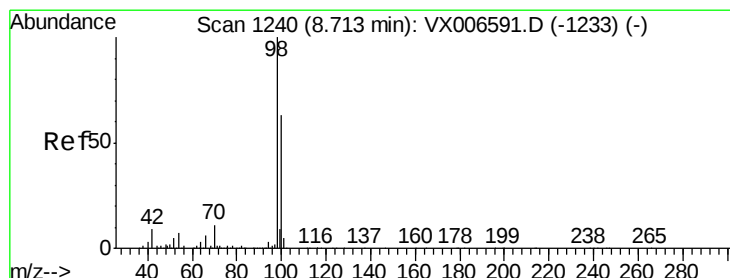
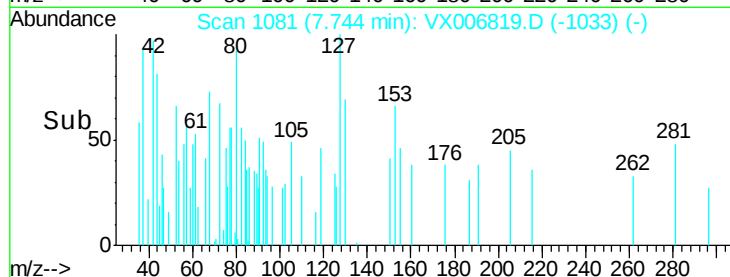
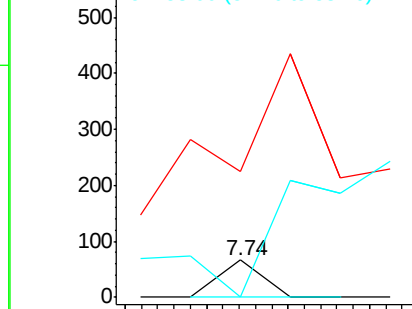
88 100

43 862.5 22.2 33.4#

58 1154.2 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: 49.033 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006819.D

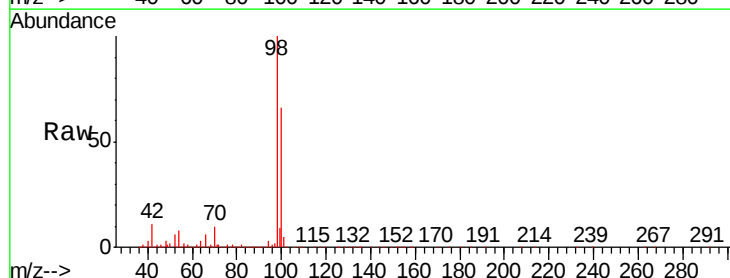
Acq: 26 Dec 2018 15:36

Tgt Ion: 98 Resp: 1355370

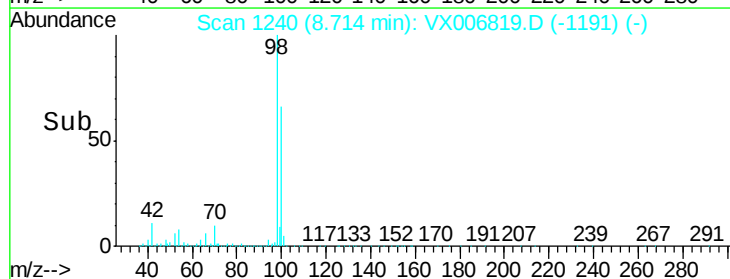
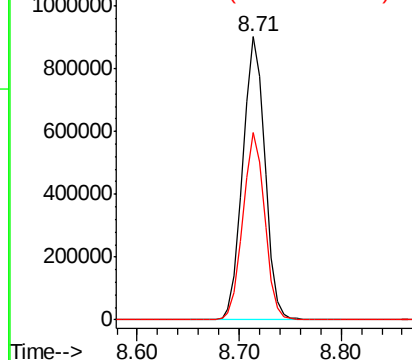
Ion Ratio Lower Upper

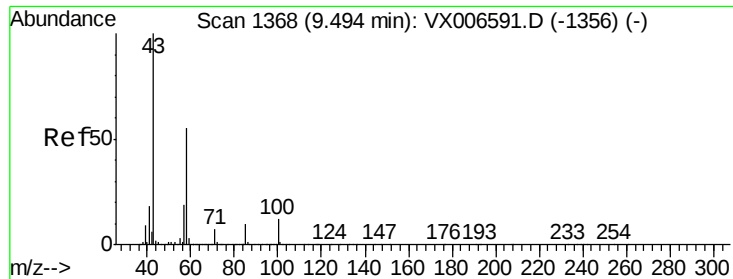
98 100

100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

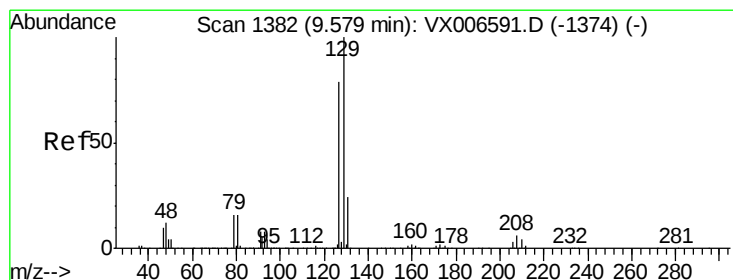
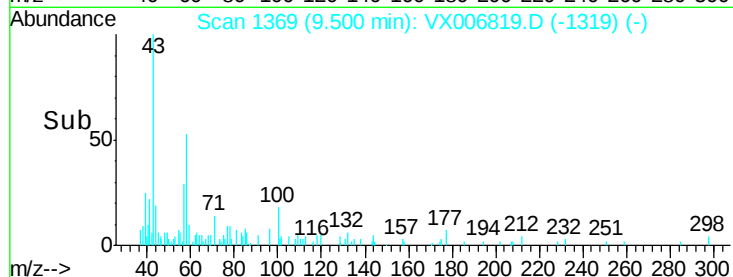
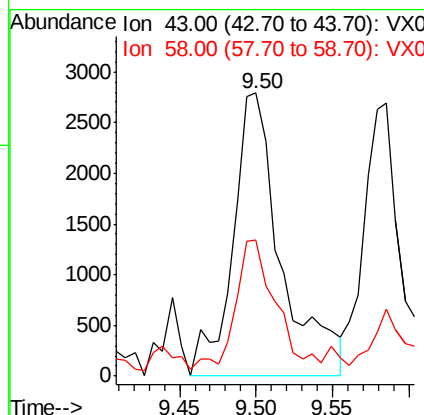
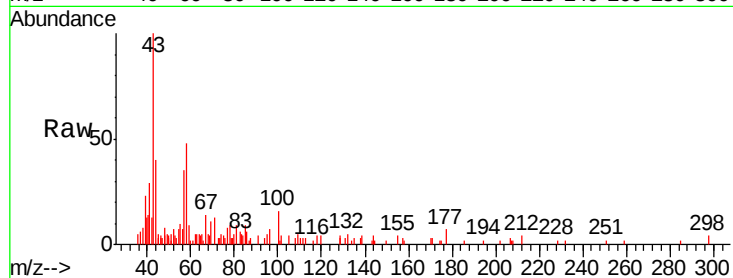




#59
2-Hexanone
Concen: 0.829 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

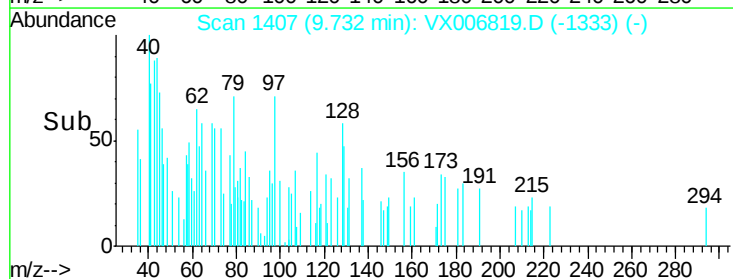
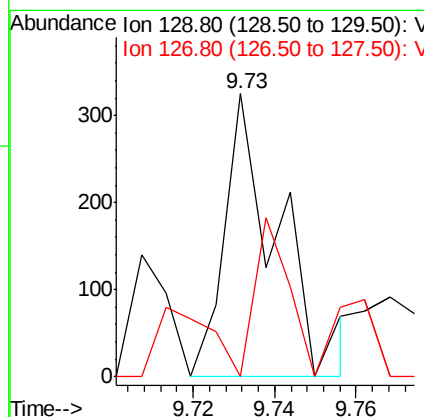
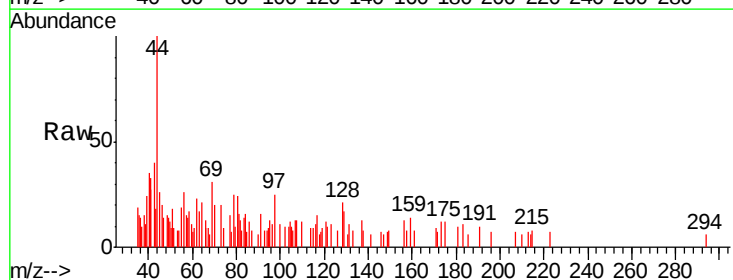
Instrument :
MSVOA_X
ClientSampled :
MW-8

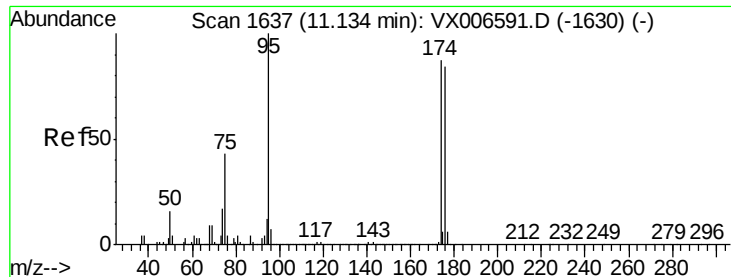
Tgt Ion: 43 Resp: 6134
Ion Ratio Lower Upper
43 100
58 36.7 27.7 83.1



#60
Dibromochloromethane
Concen: 2.359 ug/l
RT: 9.73 min Scan# 1407
Delta R.T. 0.15 min
Lab File: VX006819.D
Acq: 26 Dec 2018 15:36

Tgt Ion: 129 Resp: 297
Ion Ratio Lower Upper
129 100
127 35.0 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 49.429 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampled :

MW-8

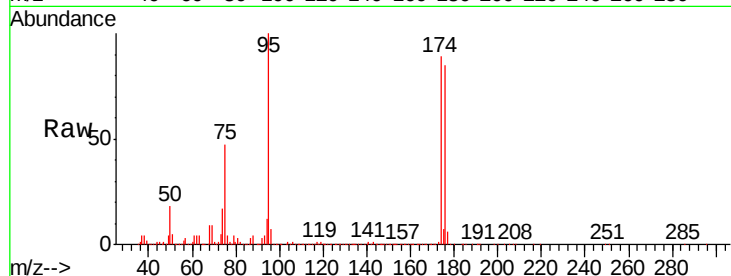
Tgt Ion: 95 Resp: 500402

Ion Ratio Lower Upper

95 100

174 94.4 0.0 182.2

176 91.6 0.0 178.8

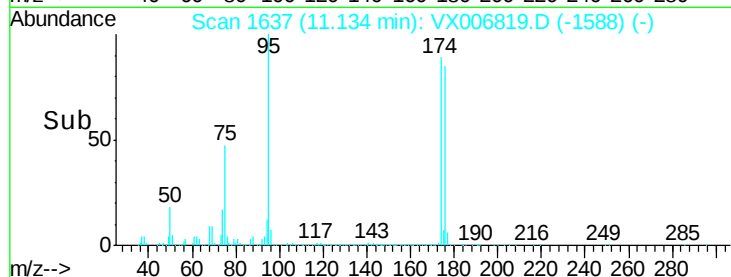


Abundance Ion 94.90 (94.60 to 95.60): VX0

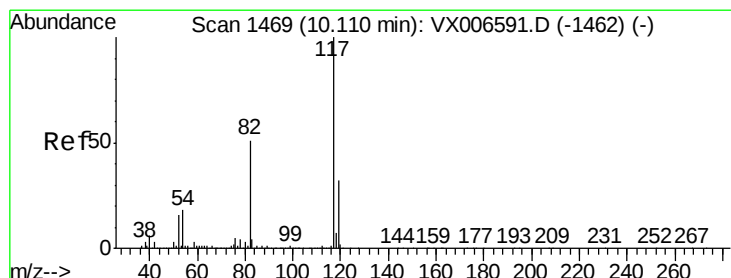
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

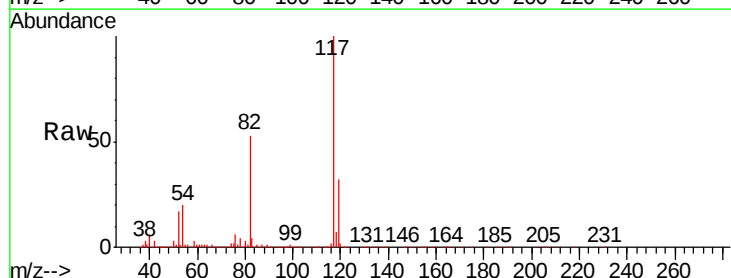
Tgt Ion: 117 Resp: 1056639

Ion Ratio Lower Upper

117 100

82 52.9 41.0 61.6

119 32.4 25.4 38.0

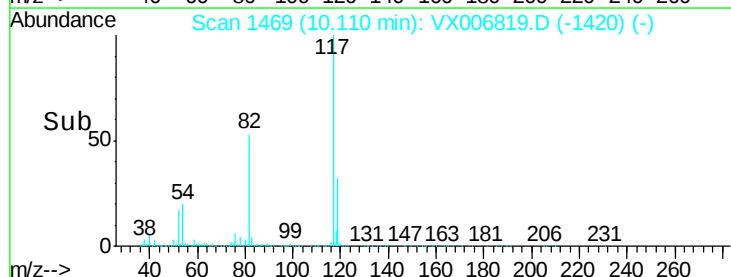


Abundance Ion 116.90 (116.60 to 117.60): V

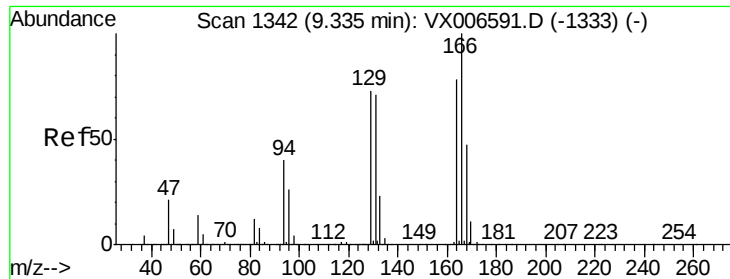
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 0.864 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

MW-8

Tgt Ion:164 Resp: 7232

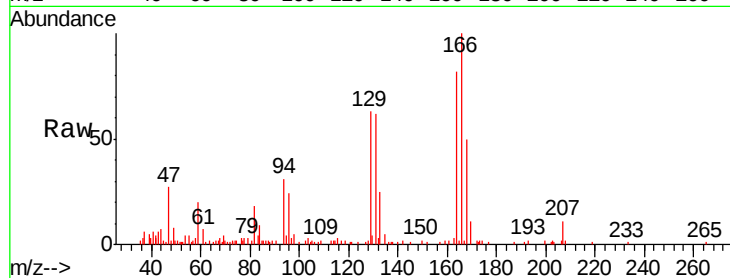
Ion Ratio Lower Upper

164 100

166 121.5 102.5 153.7

129 76.2 75.1 112.7

131 75.0 72.7 109.1

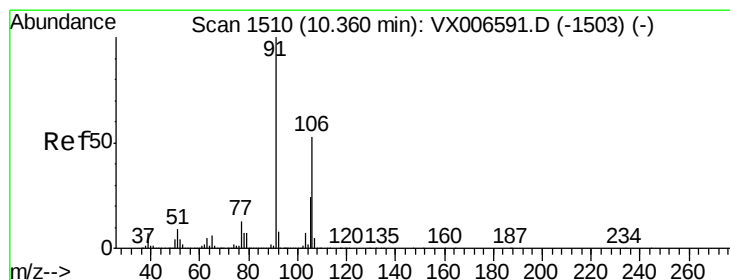
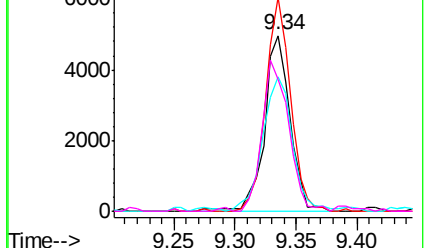
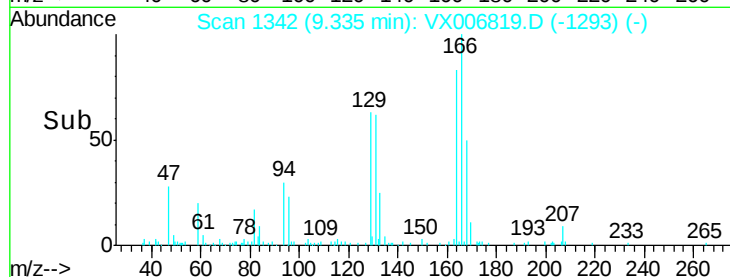


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.295 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006819.D

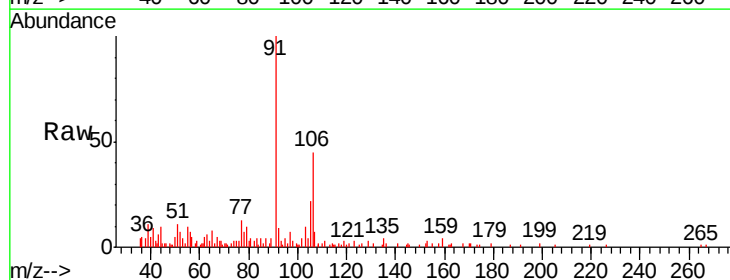
Acq: 26 Dec 2018 15:36

Tgt Ion:106 Resp: 4251

Ion Ratio Lower Upper

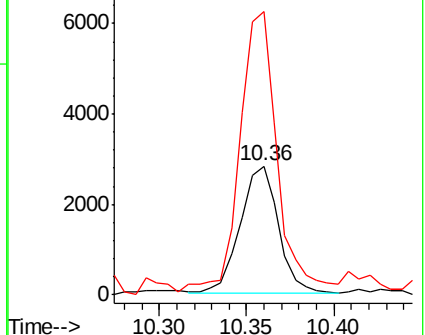
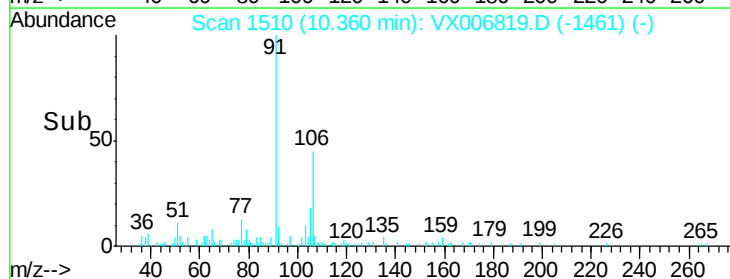
106 100

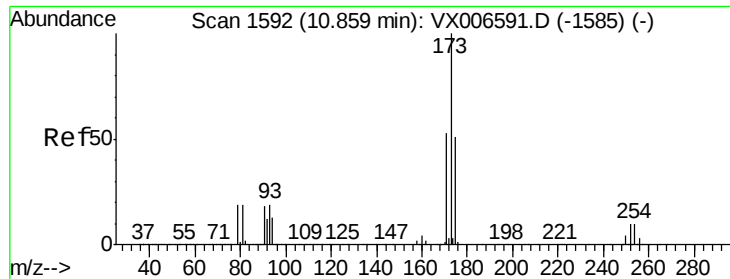
91 215.1 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 4.483 ug/l

RT: 10.85 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

MW-8

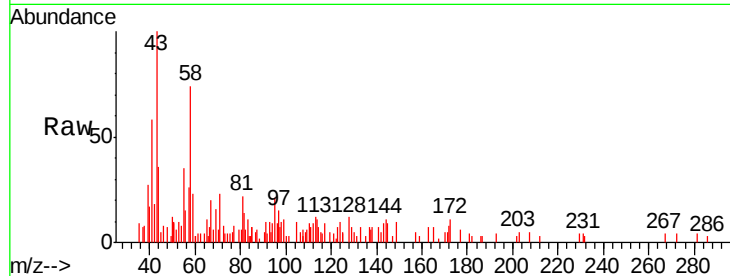
Tgt Ion:173 Resp: 157

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

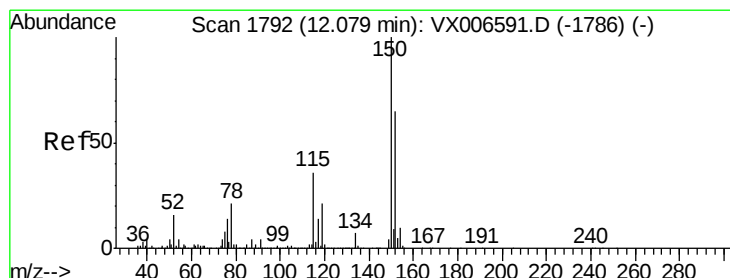
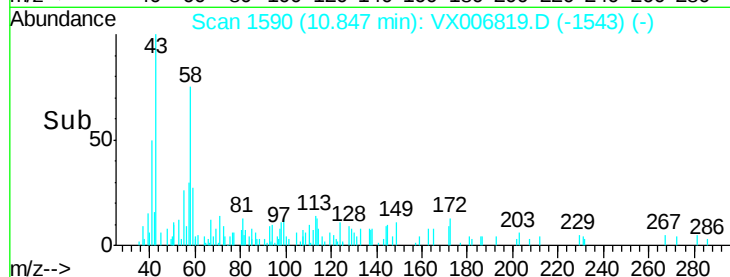
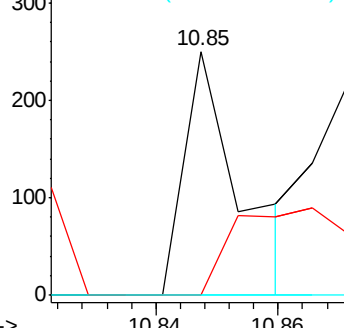
254 0.0 0.2 0.2#



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: VX006819.D

Acq: 26 Dec 2018 15:36

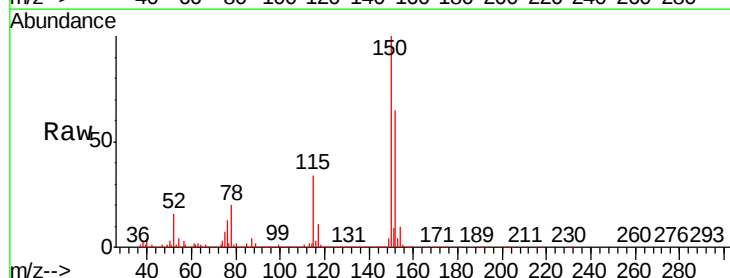
Tgt Ion:152 Resp: 553942

Ion Ratio Lower Upper

152 100

115 53.5 39.1 117.2

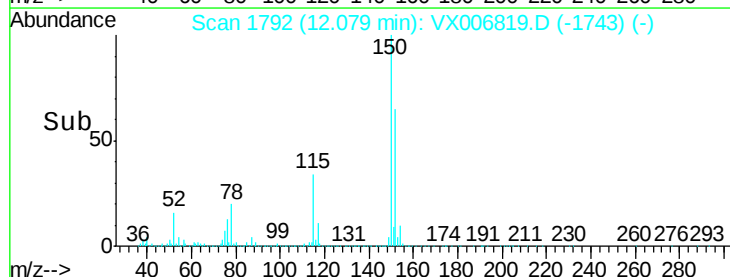
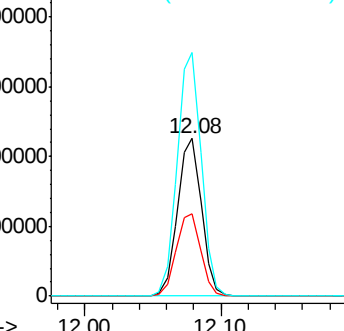
150 155.4 0.0 344.8

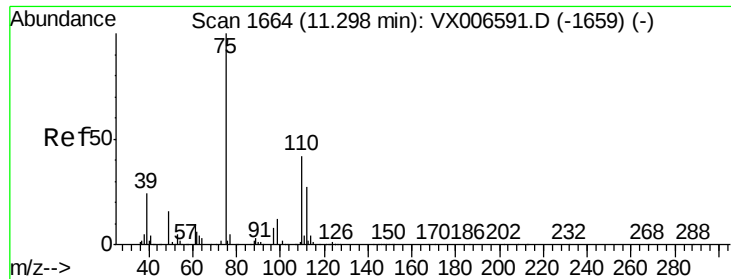


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.900 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampleId :

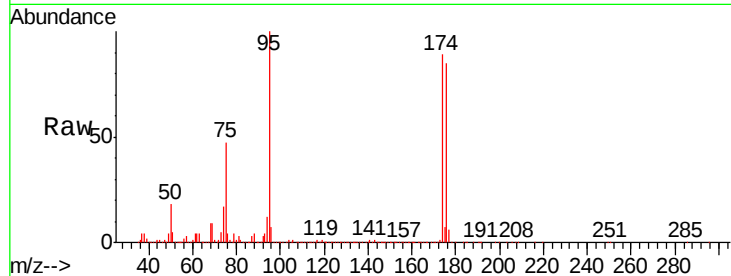
MW-8

Tgt Ion: 75 Resp: 235744

Ion Ratio Lower Upper

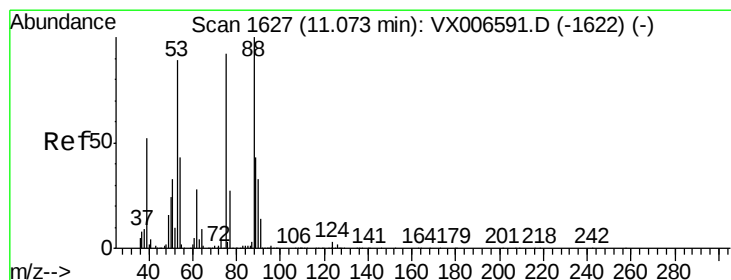
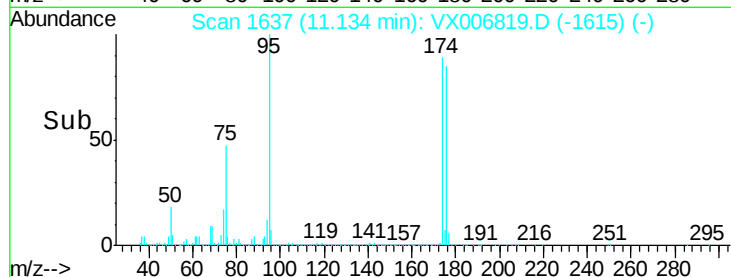
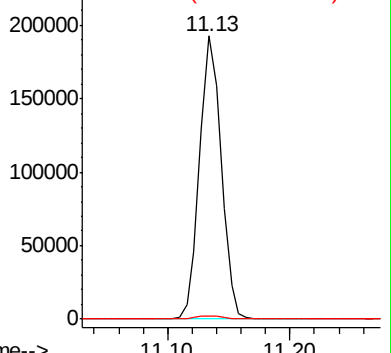
75 100

77 1.2 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: 68.024 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

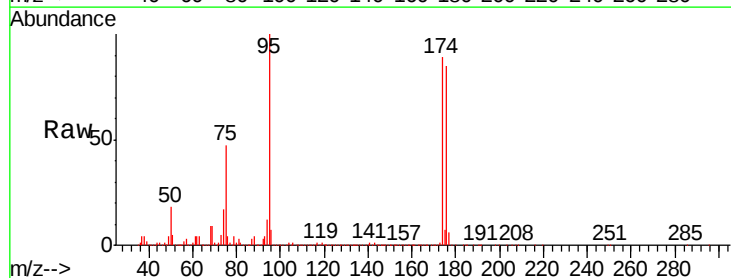
Tgt Ion: 75 Resp: 235744

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

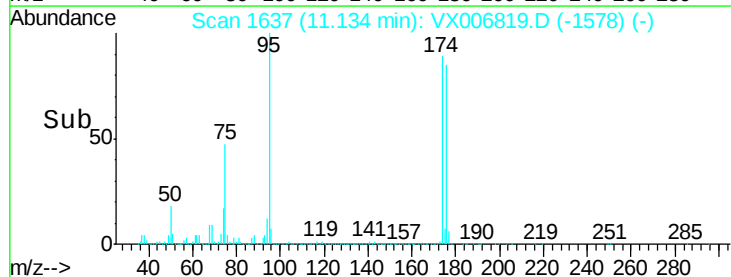
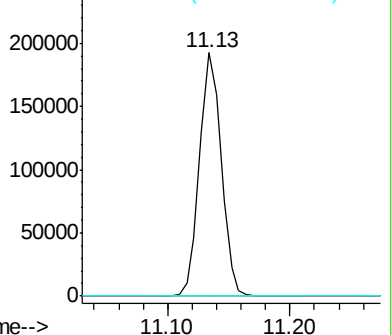
89 0.0 38.0 57.0#

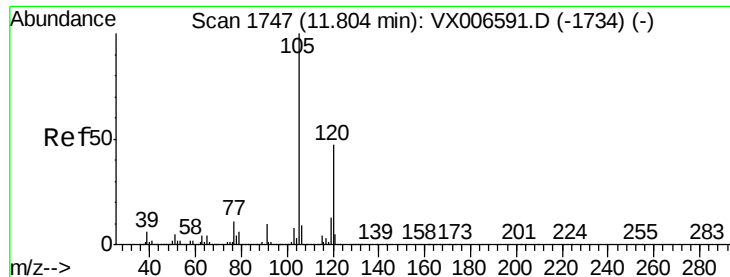


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

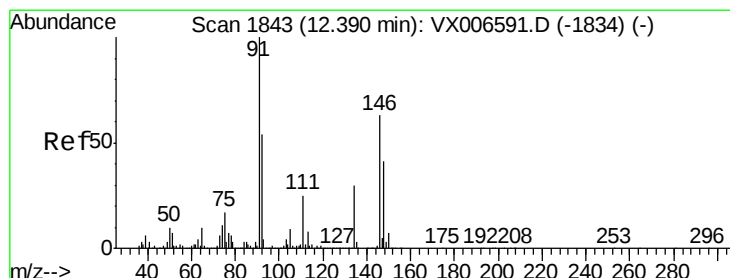
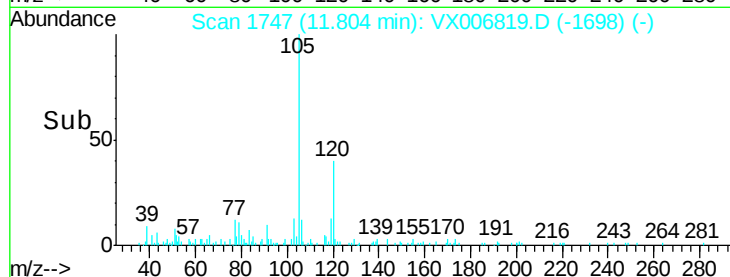
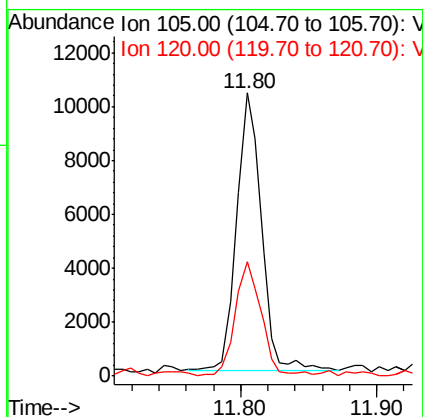
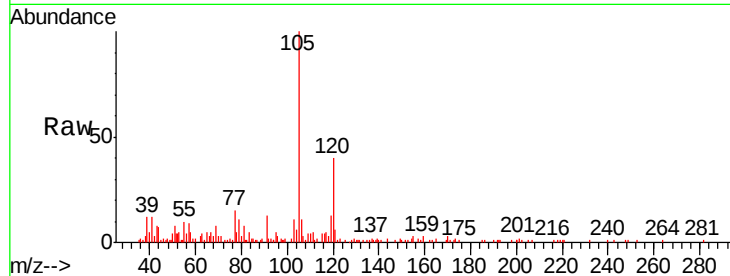




#84
 1,2,4-Trimethylbenzene
 Concen: 0.395 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006819.D
 Acq: 26 Dec 2018 15:36

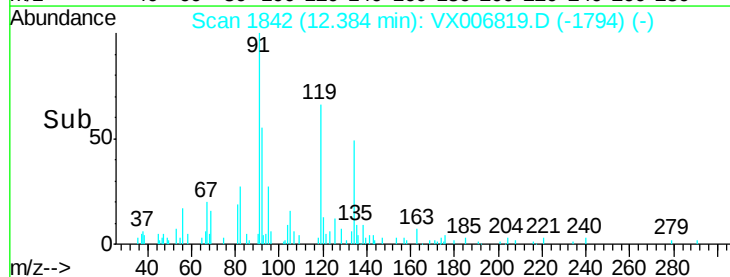
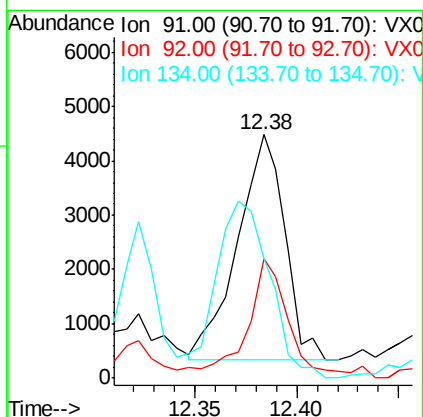
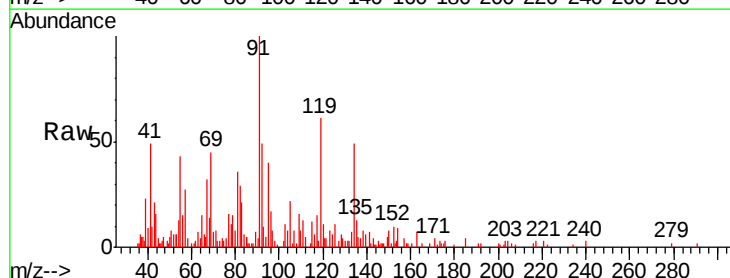
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

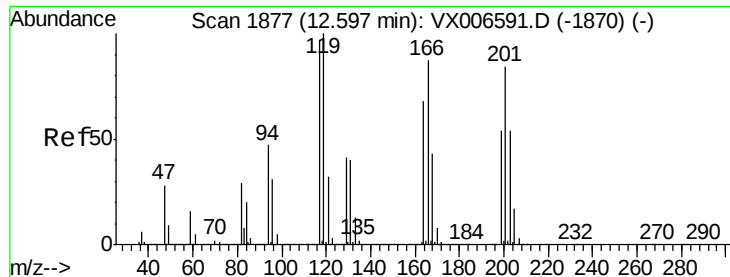
Tgt Ion: 105 Resp: 12969
 Ion Ratio Lower Upper
 105 100
 120 43.7 23.2 69.6



#89
 n-Butylbenzene
 Concen: 0.232 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX006819.D
 Acq: 26 Dec 2018 15:36

Tgt Ion: 91 Resp: 6651
 Ion Ratio Lower Upper
 91 100
 92 47.1 26.8 80.4
 134 90.6 14.4 43.2#





#90

Hexachloroethane

Concen: 3.342 ug/l

RT: 12.45 min Scan# 1853

Delta R.T. -0.15 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

Instrument :

MSVOA_X

ClientSampled :

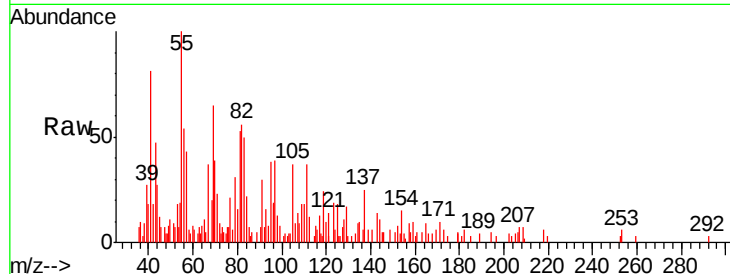
MW-8

Tgt Ion:117 Resp: 277

Ion Ratio Lower Upper

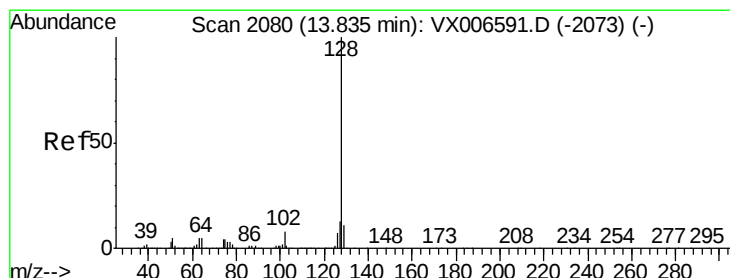
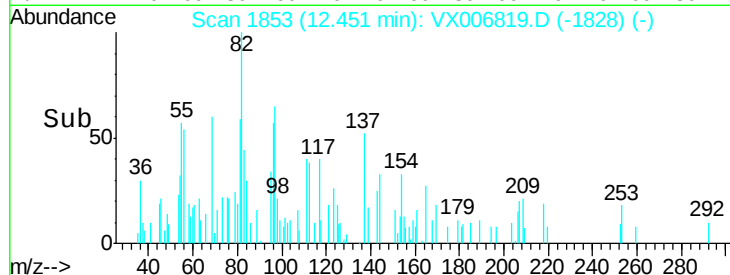
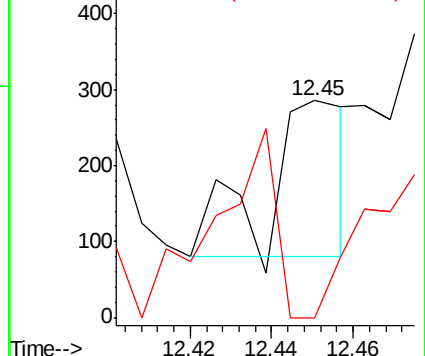
117 100

201 92.1 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.235 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006819.D

Acq: 26 Dec 2018 15:36

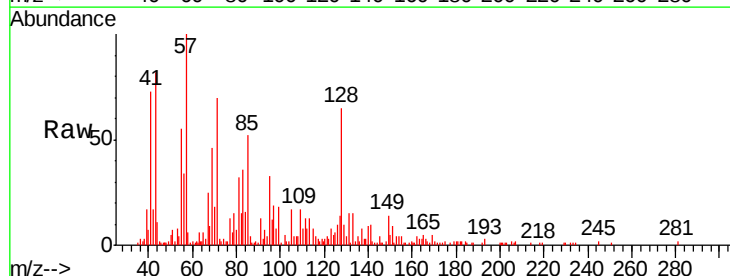
Tgt Ion:128 Resp: 9558

Ion Ratio Lower Upper

128 100

127 15.9 10.1 15.1#

129 21.1 8.6 13.0#



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

