

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006729.D
 Acq On : 21 Dec 2018 17:43
 Operator : JC/MD
 Sample : J6519-07DL 25X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-122018DL

Quant Time: Dec 22 04:05:36 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	628180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	972182	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	857705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	409329	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	333331	49.23	ug/l	0.01
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	5.51	113	289938	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	1120062	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.13	95	395058	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

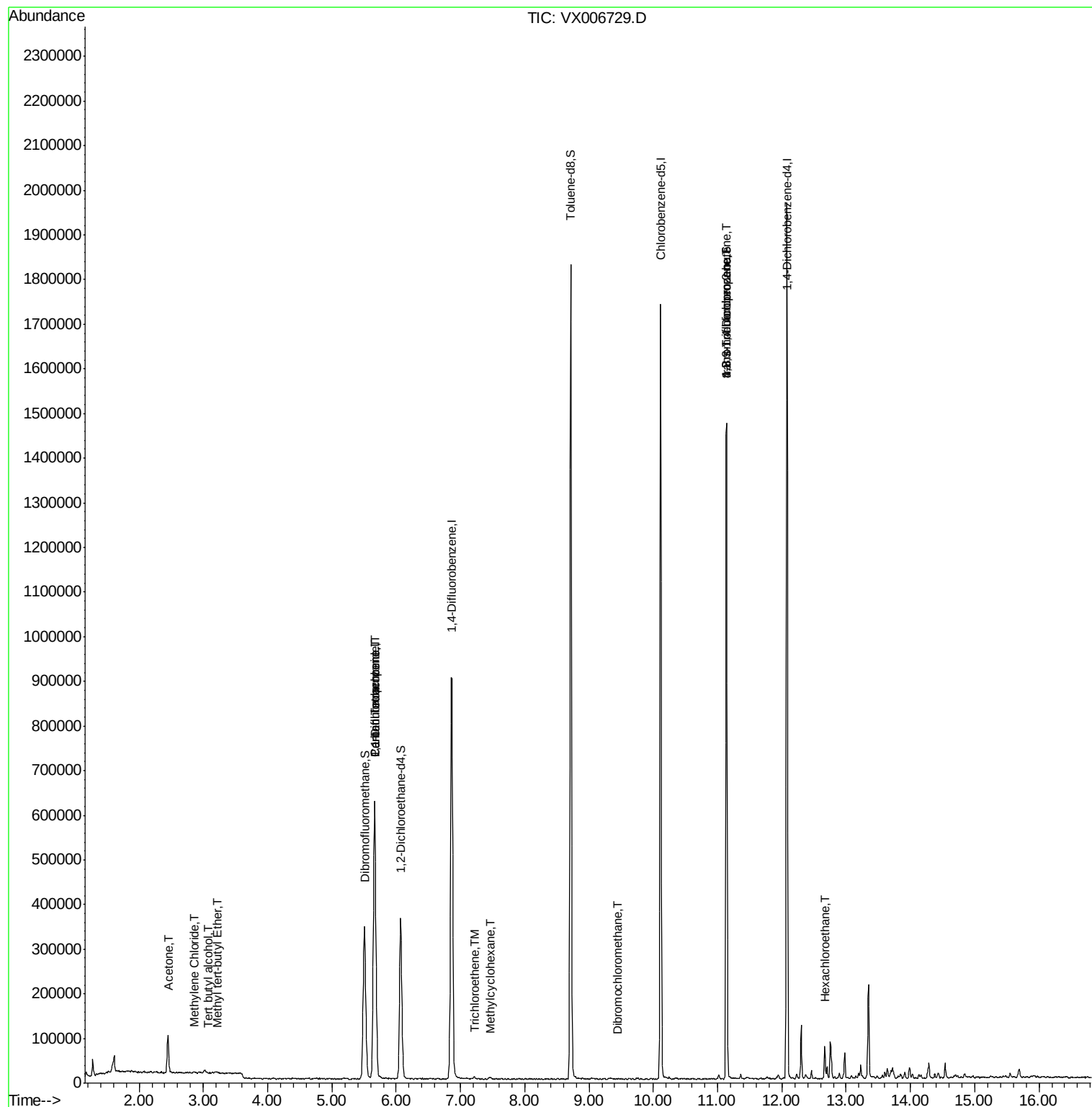
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1001	Below Cal		97
11) Tert butyl alcohol	3.09	59	324	0.214 ug/l #		1
16) Acetone	2.45	43	94963	30.530 ug/l		97
19) Methyl tert-butyl Ether	3.21	73	4814	0.258 ug/l #		91
20) Methylene Chloride	2.87	84	1623	0.252 ug/l #		69
28) Bromochloromethane	5.02	49	721	Below Cal #		2
36) 1,1-Dichloropropene	5.67	75	41308	5.130 ug/l #		49
38) Carbon Tetrachloride	5.67	117	57812	7.388 ug/l #		14
39) Methylcyclohexane	7.46	83	2180	0.206 ug/l #		66
44) Trichloroethene	7.21	130	1732	0.234 ug/l		77
49) 1,4-Dioxane	7.77	88	171	Below Cal #		49
60) Dibromochloromethane	9.44	129	81	2.336 ug/l		65
76) 1,2,3-Trichloropropane	11.13	75	185511	24.387 ug/l #		40
81) trans-1,4-Dichloro-2-buten	11.13	75	185511	72.166 ug/l #		10
90) Hexachloroethane	12.67	117	3389	4.106 ug/l #		6

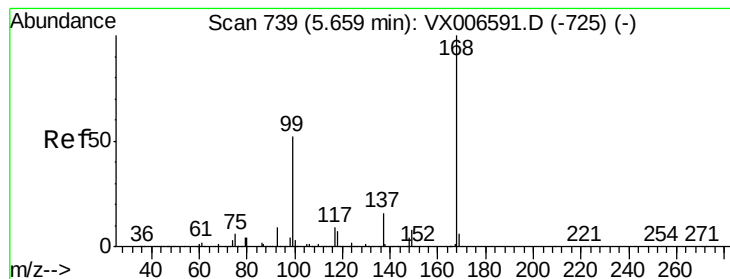
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

MSVOA_X

ClientSampleId :

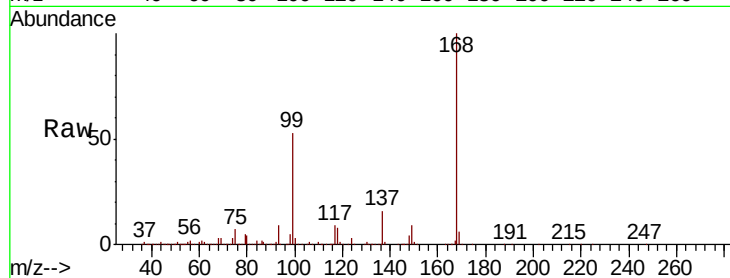
T11-MW-4-9.0-122018DL

Tot Ion:168 Resp: 628180

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

5.67

250000

200000

150000

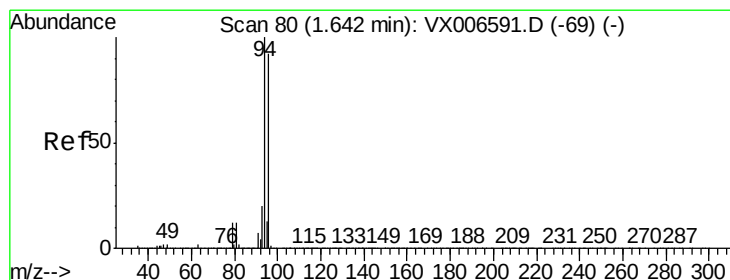
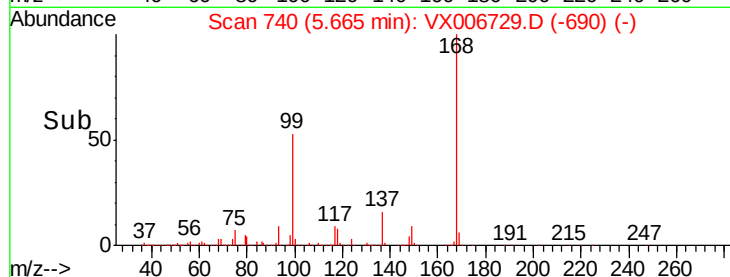
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006729.D

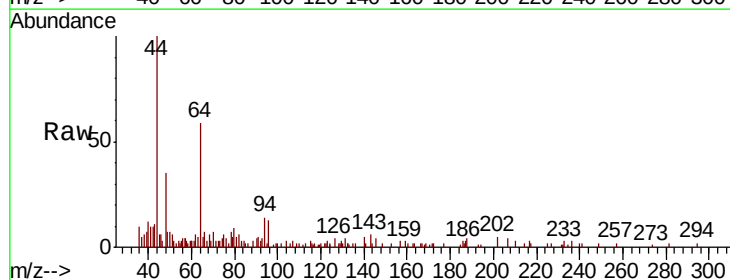
Acq: 21 Dec 2018 17:43

Tgt Ion: 94 Resp: 1001

Ion Ratio Lower Upper

94 100

96 89.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

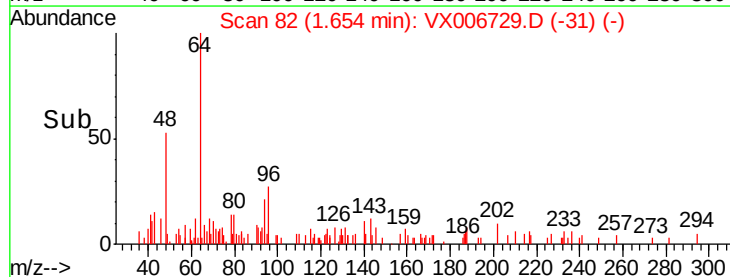
400

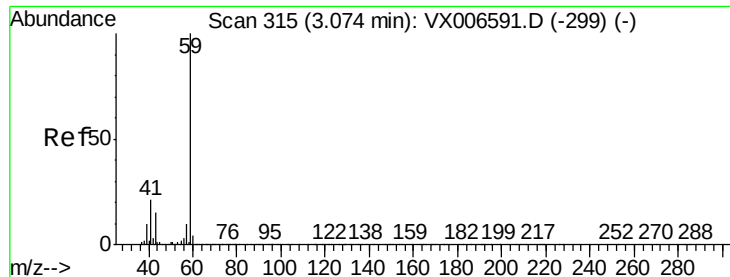
200

0

Time-->

1.60 1.65 1.70



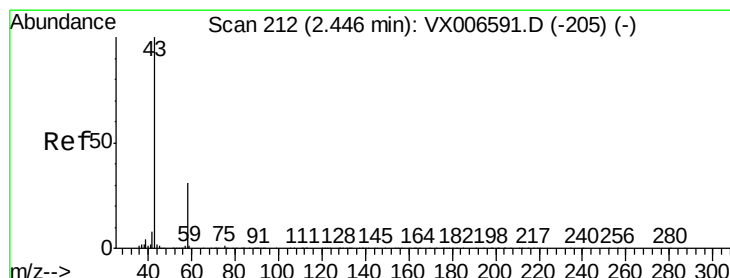
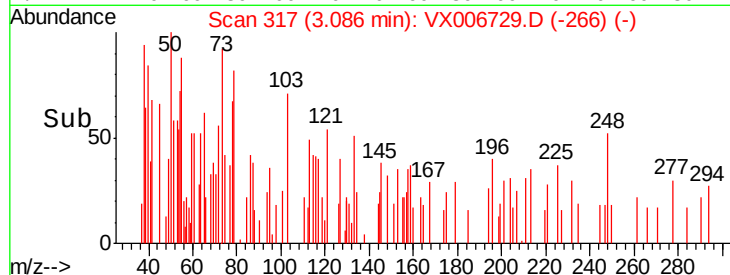
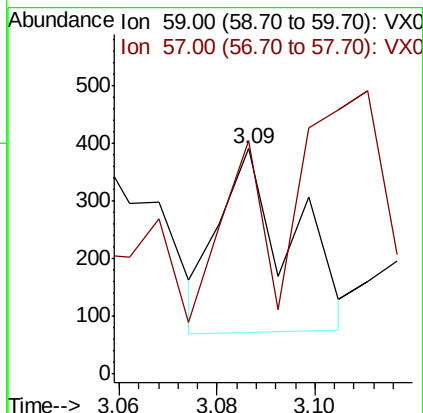
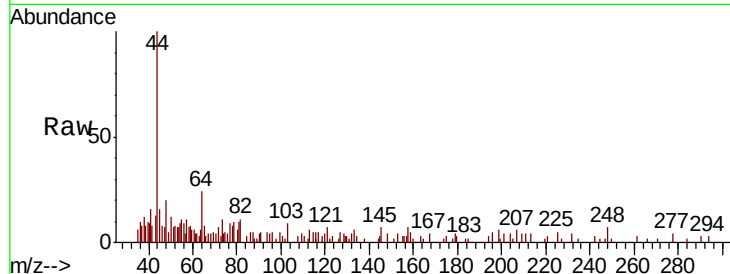


#11

Tert butyl alcohol
Concen: 0.214 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX006729.D
Acq: 21 Dec 2018 17:43

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-122018DL

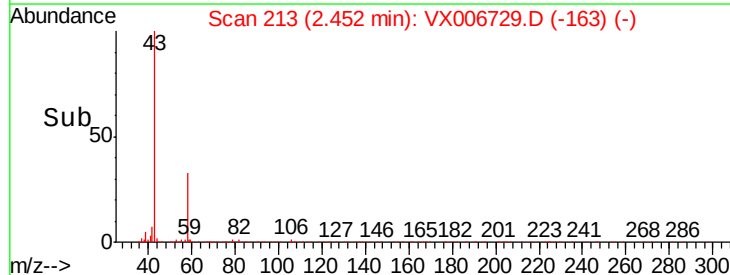
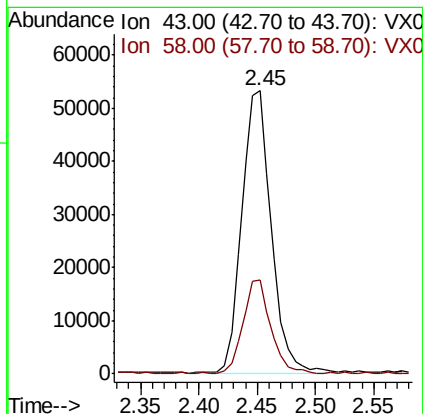
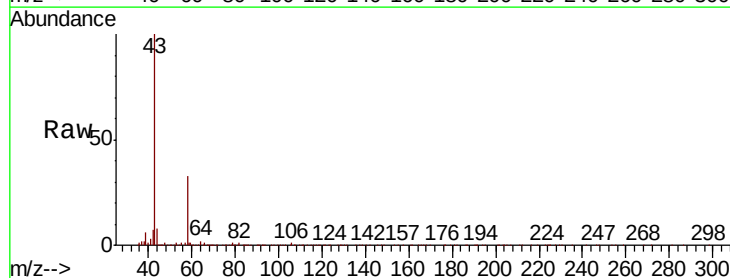
Tot Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 56.8 8.5 12.7#

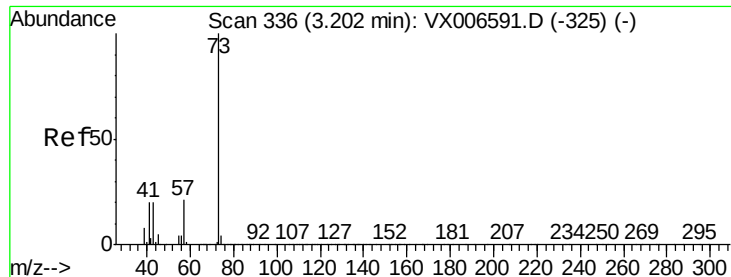


#16

Acetone
Concen: 30.530 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006729.D
Acq: 21 Dec 2018 17:43

Tgt Ion: 43 Resp: 94963
Ion Ratio Lower Upper
43 100
58 33.0 25.0 37.6





#19

Methyl tert-butyl Ether

Concen: 0.258 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

MSVOA_X

ClientSampleId :

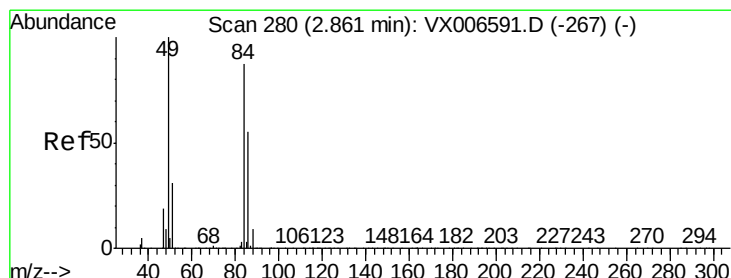
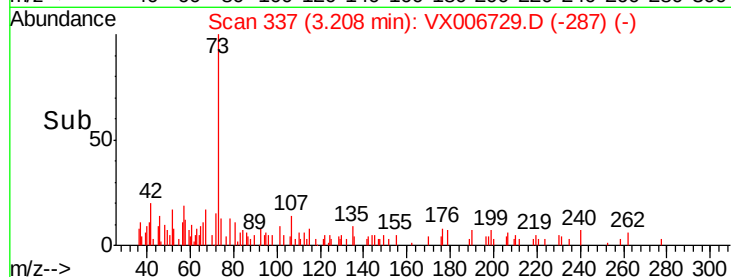
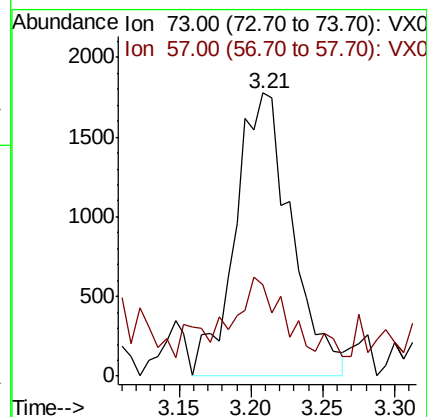
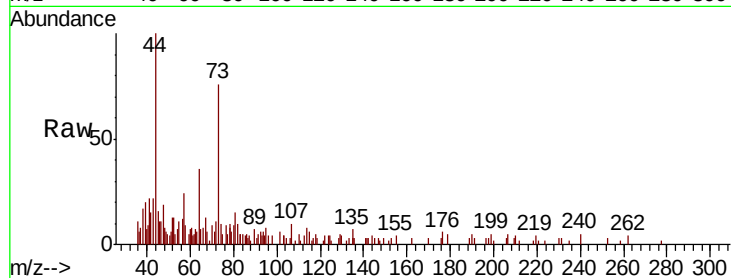
T11-MW-4-9.0-122018DL

Tot Ion: 73 Resp: 4814

Ion Ratio Lower Upper

73 100

57 25.4 16.8 25.2#



#20

Methylene Chloride

Concen: 0.252 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Tgt Ion: 84 Resp: 1623

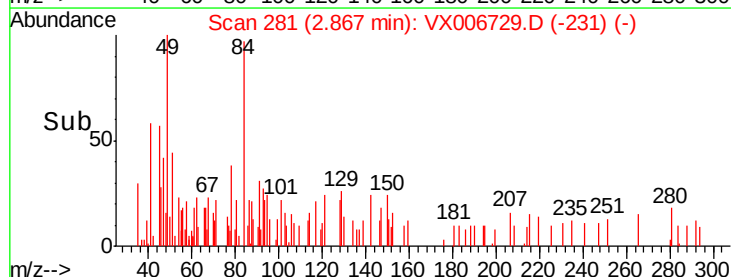
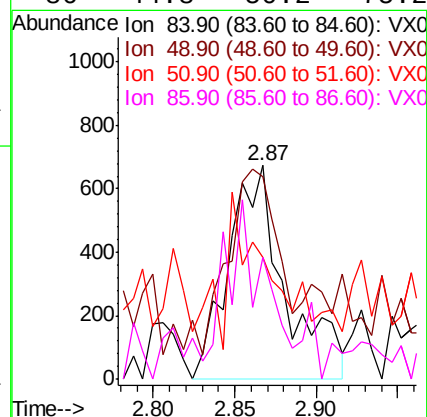
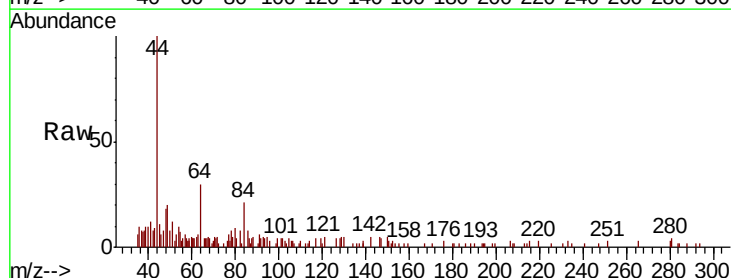
Ion Ratio Lower Upper

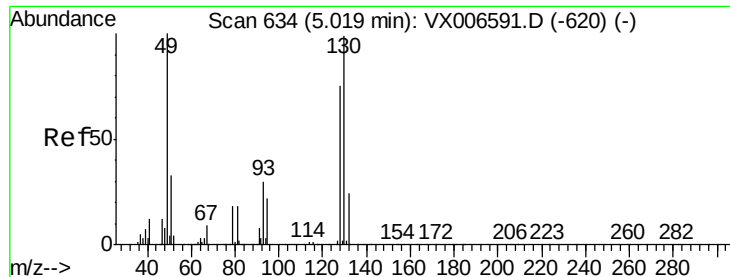
84 100

49 67.2 91.8 137.6#

51 34.6 28.5 42.7

86 44.8 50.2 75.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-122018DL

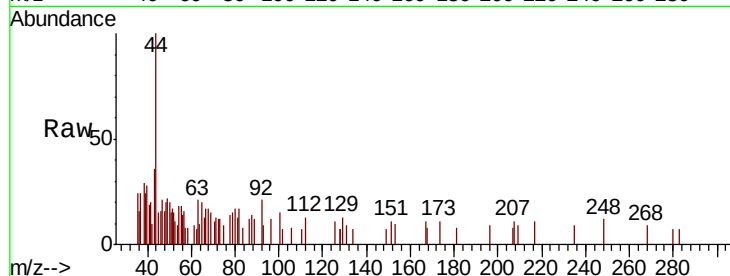
Tot Ion: 49 Resp: 721

Ion Ratio Lower Upper

49 100

129 26.2 0.0 5.4#

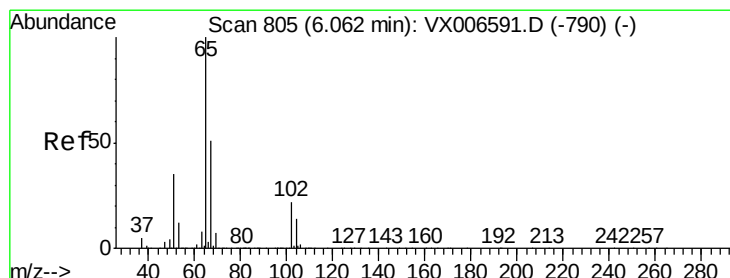
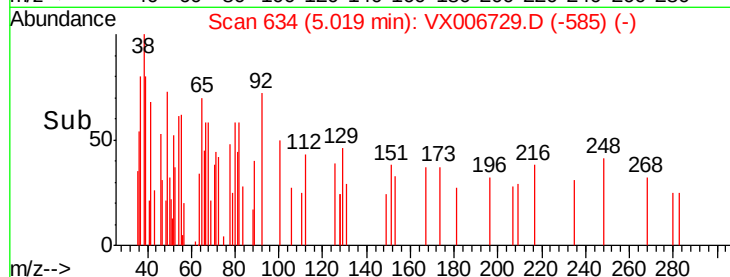
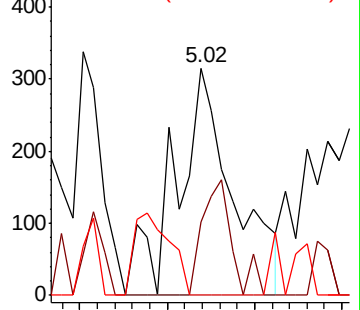
130 0.0 77.7 116.5#



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: 49.235 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006729.D

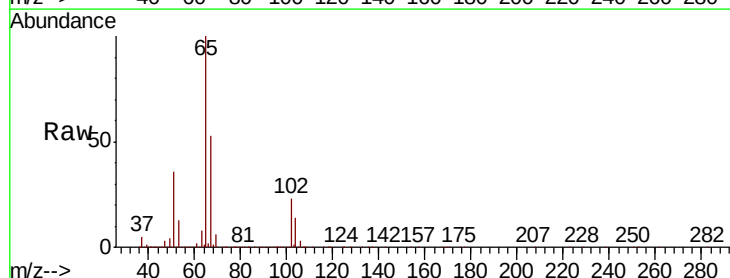
Acq: 21 Dec 2018 17:43

Tgt Ion: 65 Resp: 333331

Ion Ratio Lower Upper

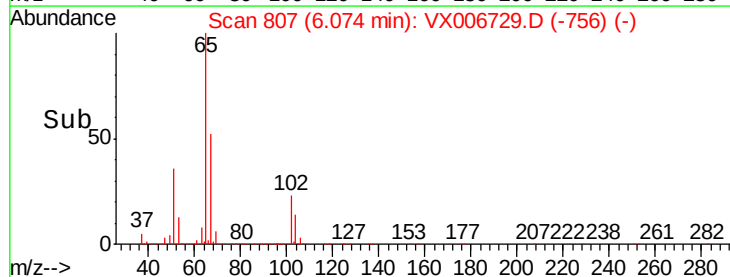
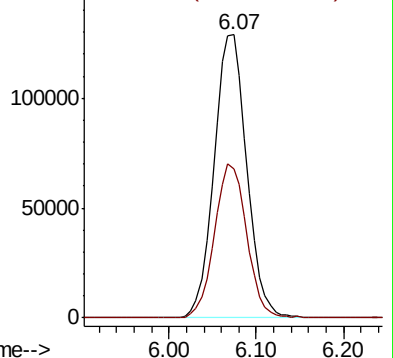
65 100

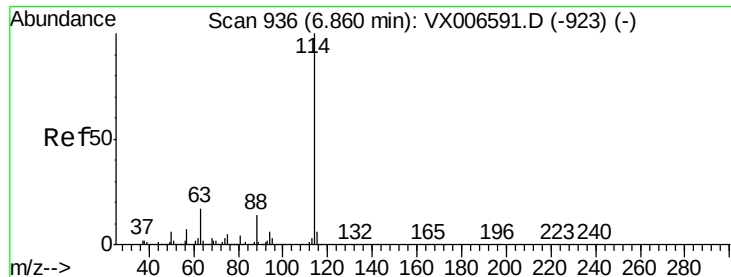
67 54.0 0.0 105.0



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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-122018DL

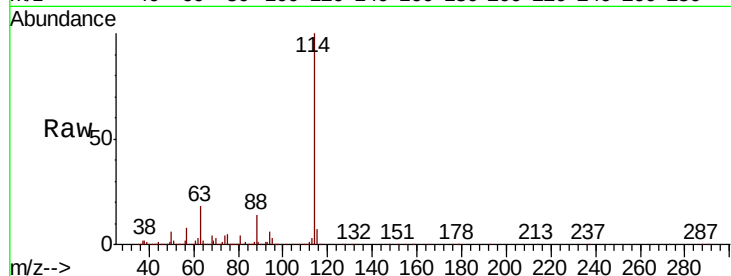
Tot Ion:114 Resp: 972182

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

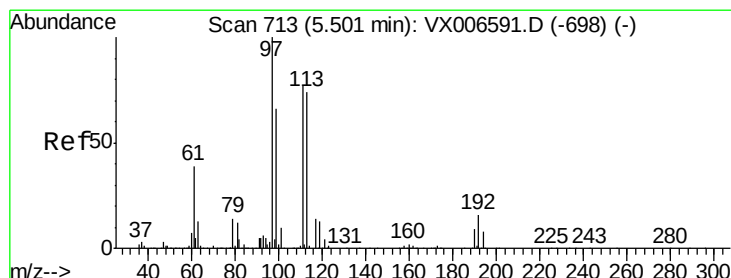
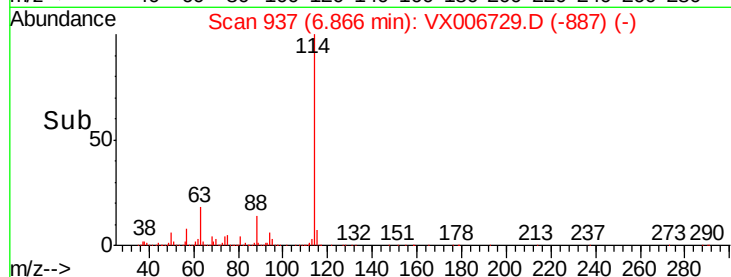
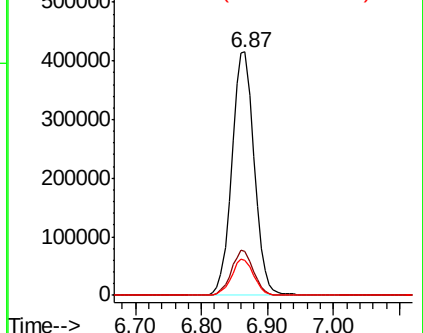
88 14.4 0.0 28.8



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: 47.161 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

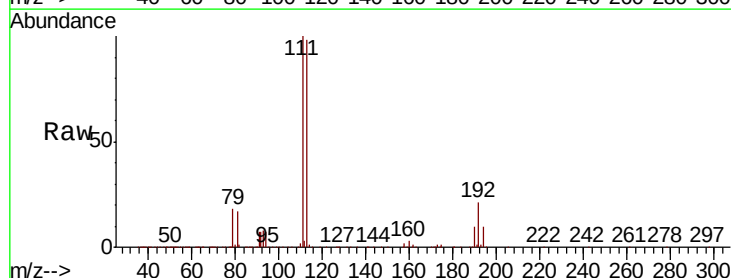
Tgt Ion:113 Resp: 289938

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

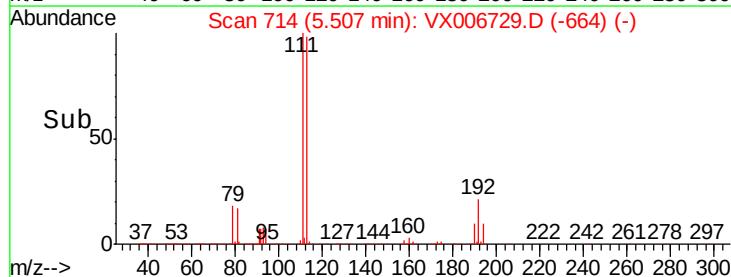
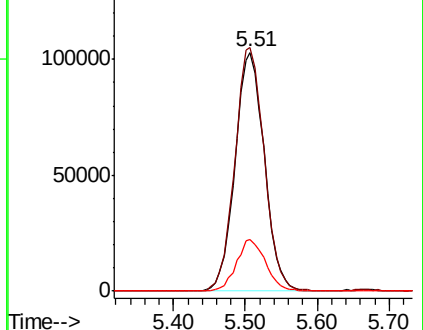
192 21.6 16.7 25.1

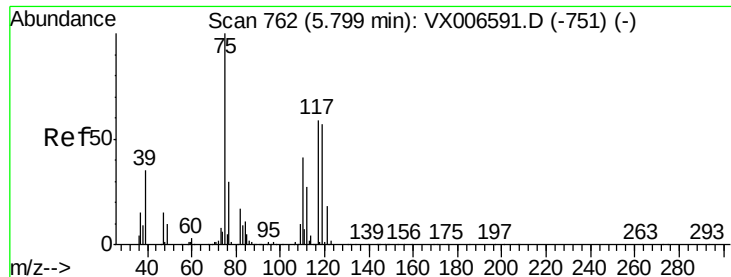


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

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T11-MW-4-9.0-122018DL

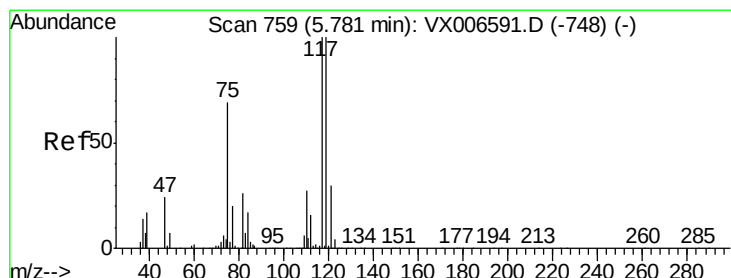
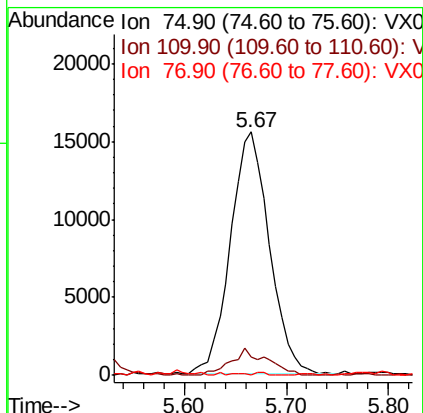
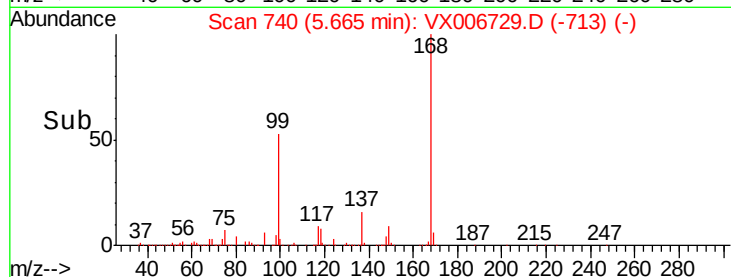
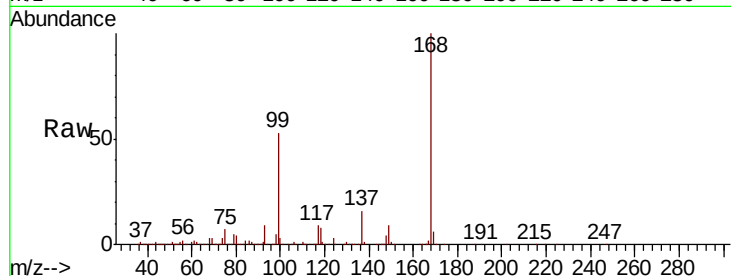
Tot Ion: 75 Resp: 41308

Ion Ratio Lower Upper

75 100

110 10.3 20.2 60.5#

77 0.6 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.388 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

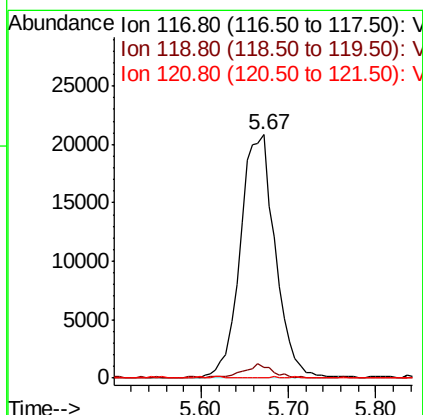
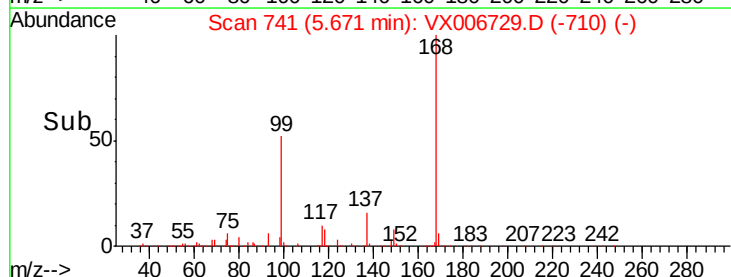
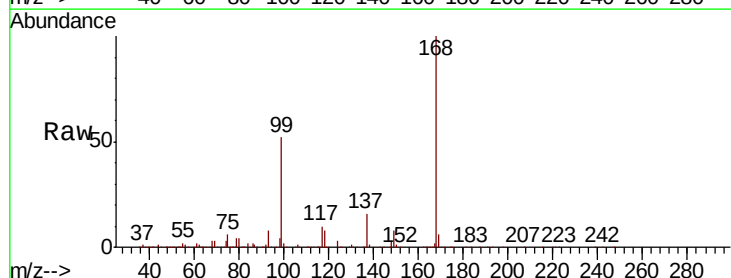
Tgt Ion: 117 Resp: 57812

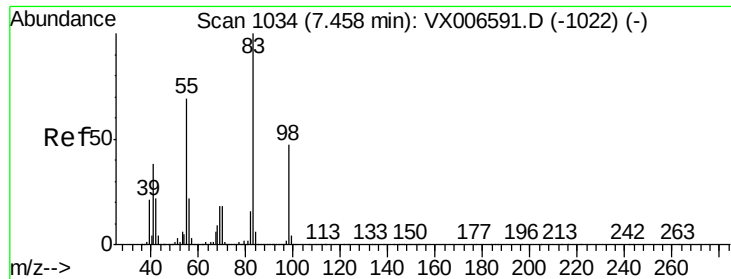
Ion Ratio Lower Upper

117 100

119 4.2 79.4 119.2#

121 0.0 24.0 36.0#

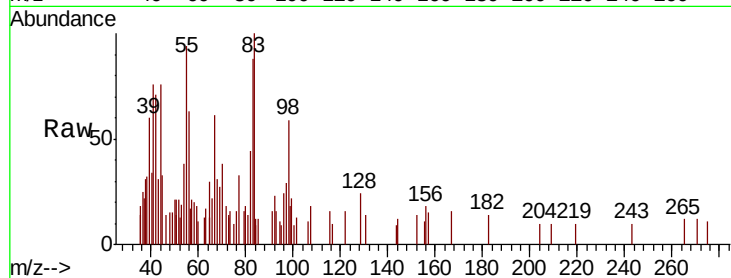




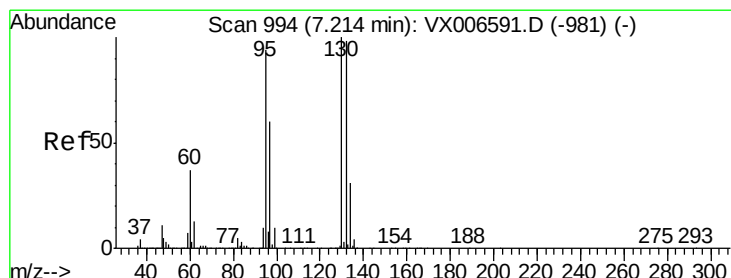
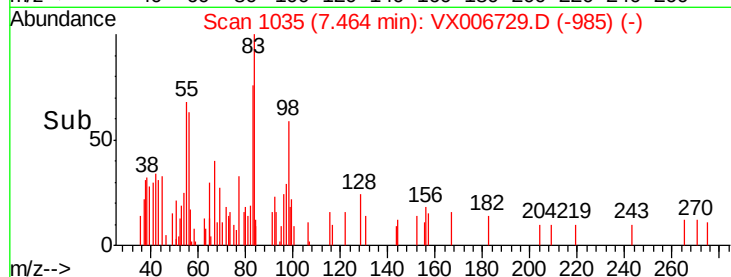
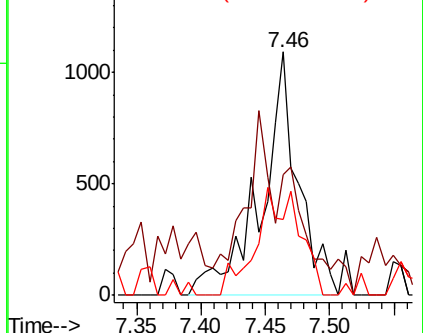
#39
Methylvlcyclohexane
Concen: 0.206 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006729.D
Acq: 21 Dec 2018 17:43

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-122018DL

Tot Ion: 83 Resp: 2180
Ion Ratio Lower Upper
83 100
55 34.9 54.9 82.3#
98 31.4 37.9 56.9#

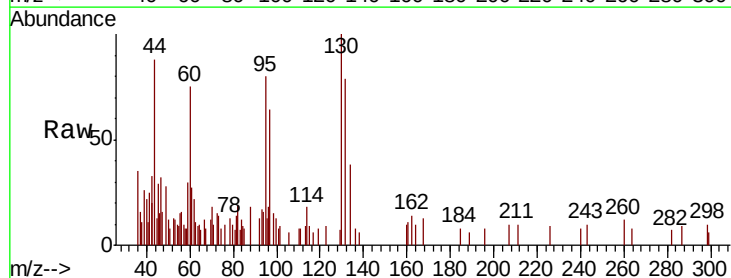


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

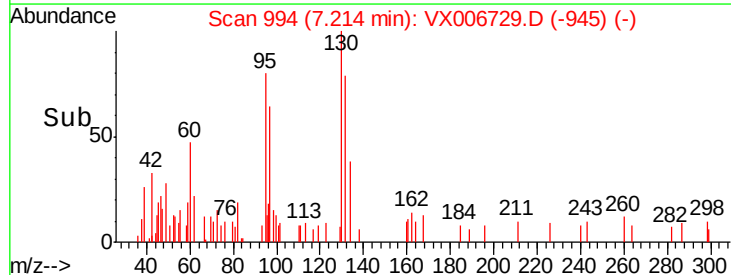
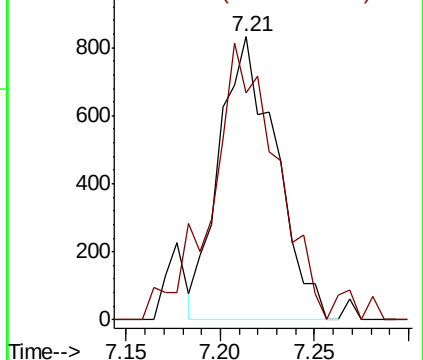


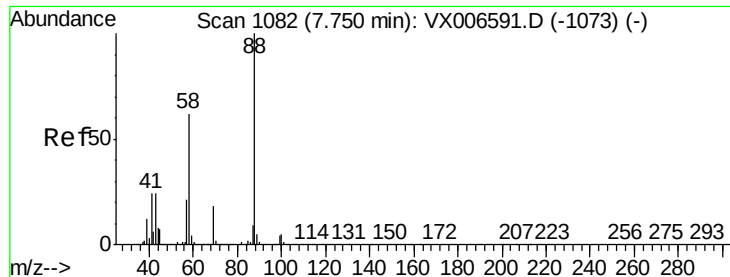
#44
Trichloroethene
Concen: 0.234 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX006729.D
Acq: 21 Dec 2018 17:43

Tgt Ion:130 Resp: 1732
Ion Ratio Lower Upper
130 100
95 71.3 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

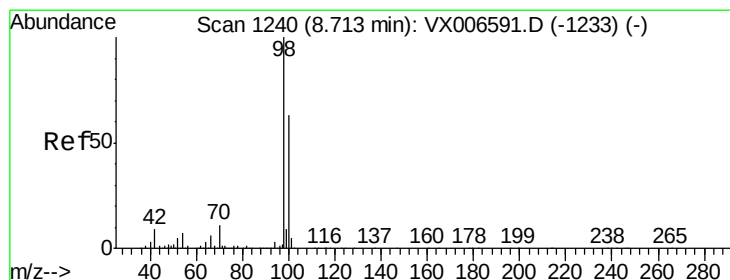
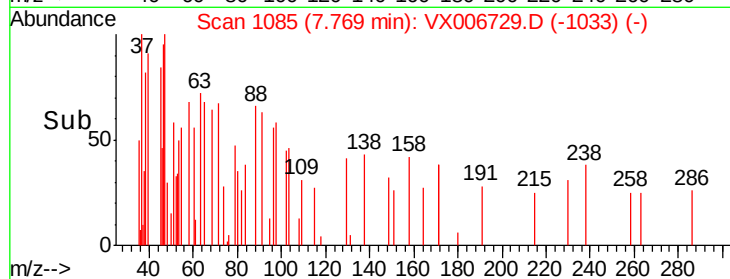
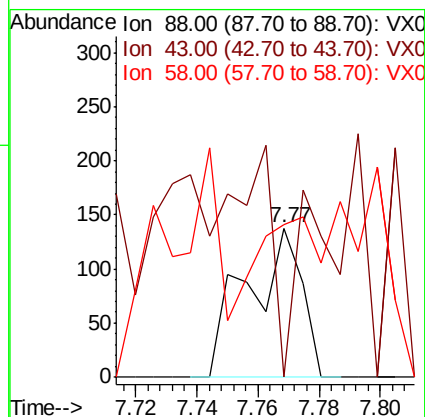
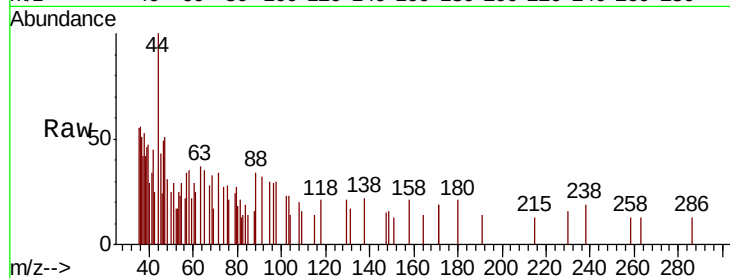
MSVOA_X

ClientSampleId :

T11-MW-4-9.0-122018DL

Tot Ion: 88 Resp: 171

Ion	Ratio	Lower	Upper
88	100		
43	85.4	22.2	33.4#
58	44.4	51.0	76.4#



#50

Toluene-d8

Concen: 48.325 ug/l

RT: 8.71 min Scan# 1240

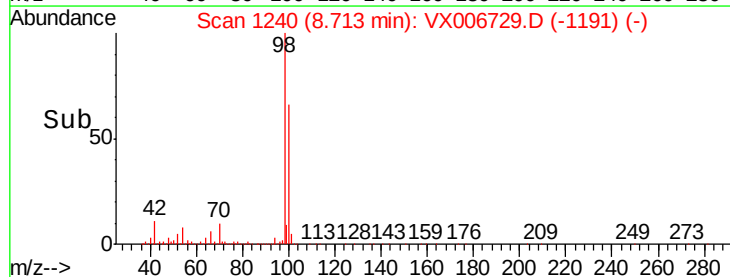
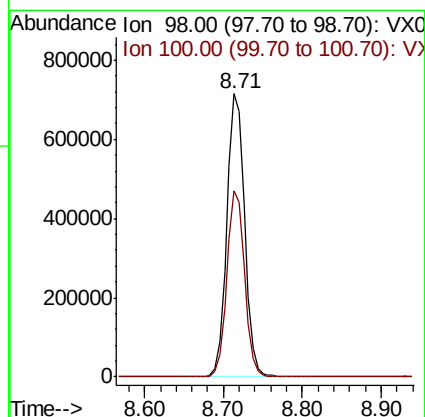
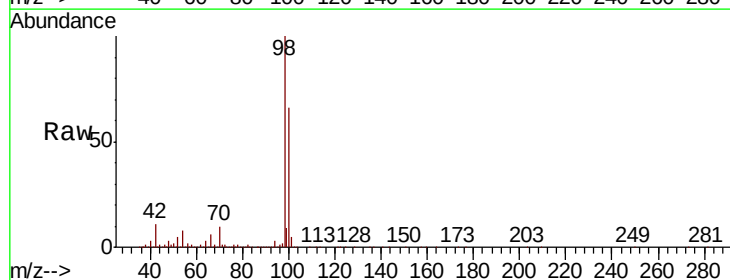
Delta R.T. -0.00 min

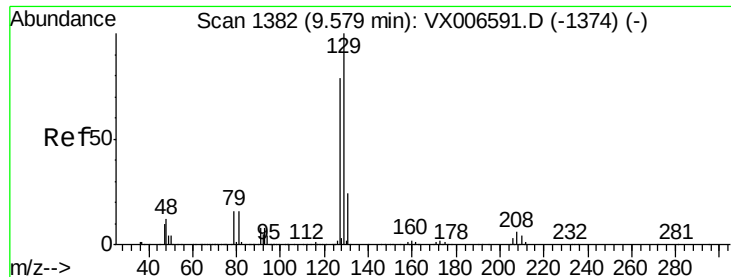
Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Tgt Ion: 98 Resp: 1120062

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





#60

Dibromochloromethane

Concen: 2.336 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.14 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

MSVOA_X

ClientSampleId :

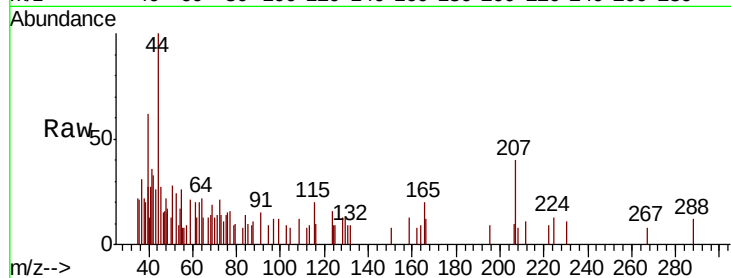
T11-MW-4-9.0-122018DL

Tot Ion:129 Resp: 81

Ion Ratio Lower Upper

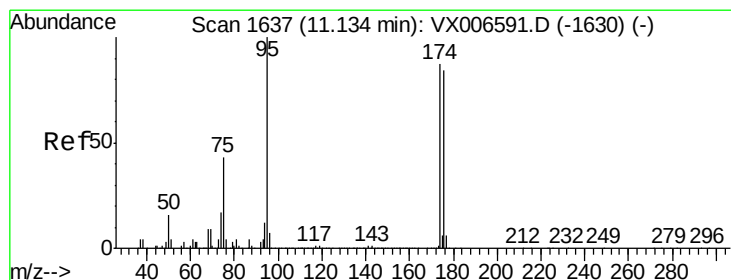
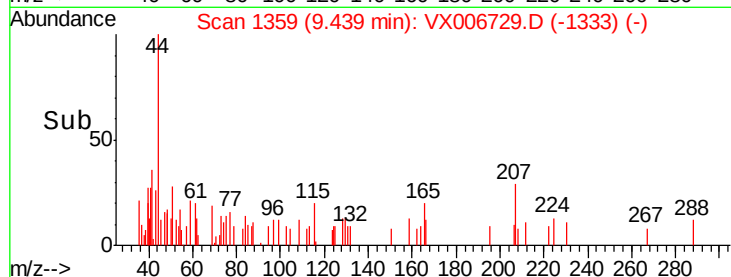
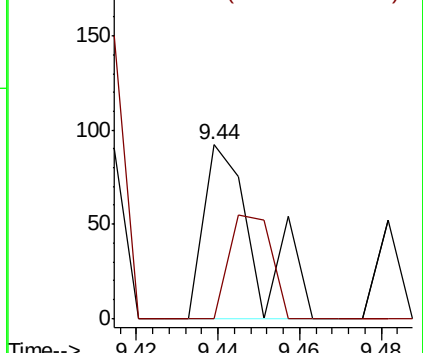
129 100

127 48.1 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: 46.539 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

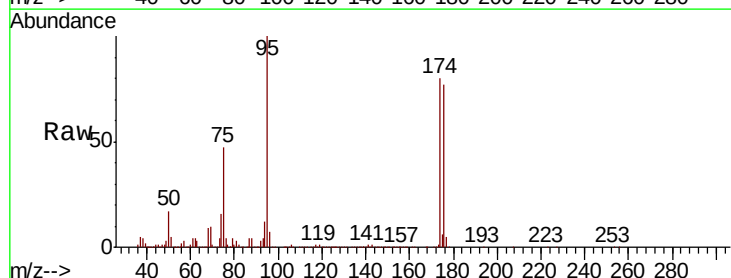
Tgt Ion: 95 Resp: 395058

Ion Ratio Lower Upper

95 100

174 88.4 0.0 182.2

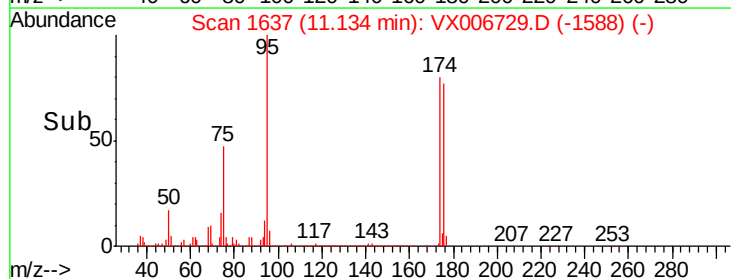
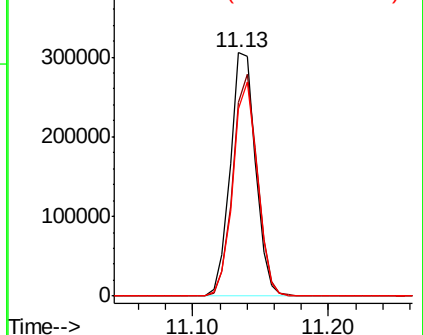
176 85.7 0.0 178.8

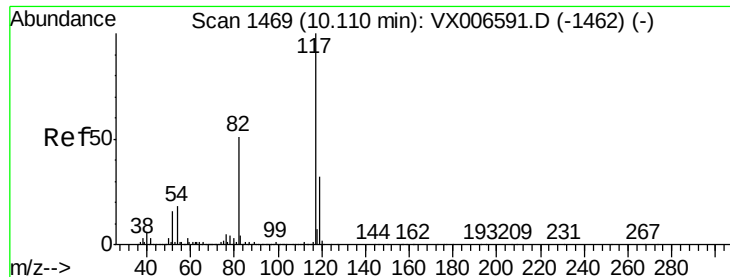


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-122018DL

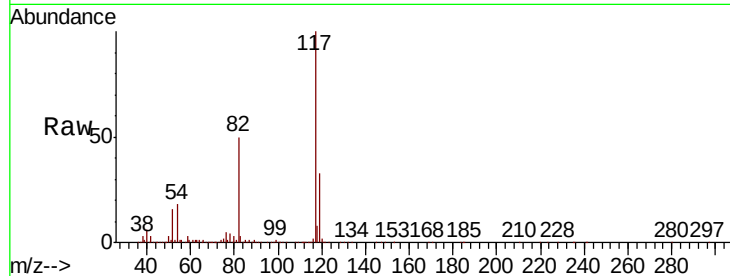
Tot Ion:117 Resp: 857705

Ion Ratio Lower Upper

117 100

82 49.8 41.0 61.6

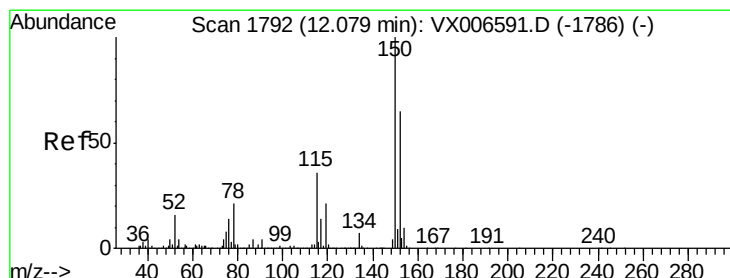
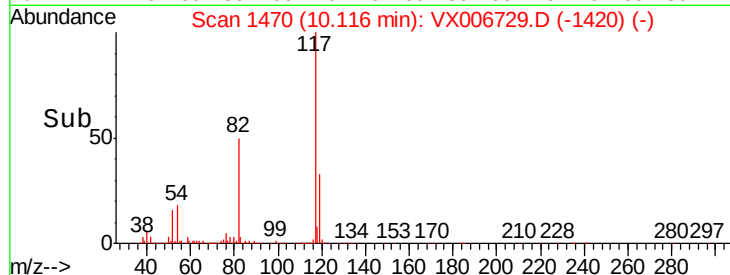
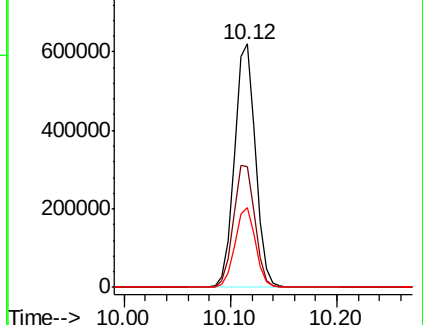
119 32.7 25.4 38.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

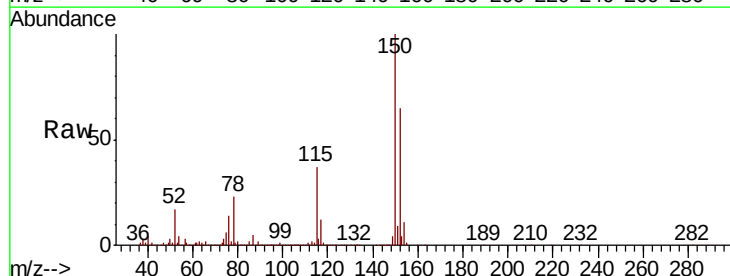
Tgt Ion:152 Resp: 409329

Ion Ratio Lower Upper

152 100

115 55.9 39.1 117.2

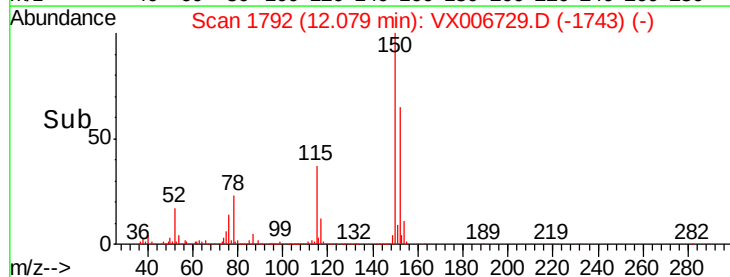
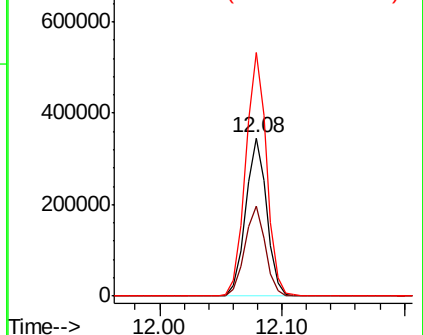
150 154.0 0.0 344.8

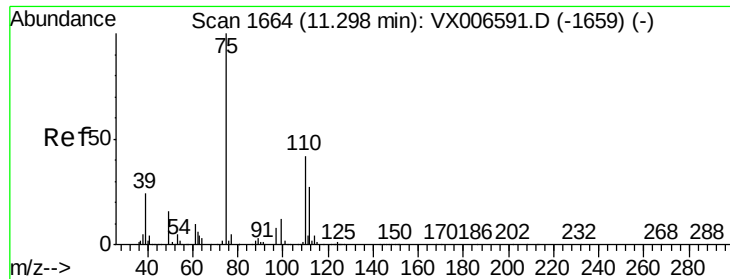


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

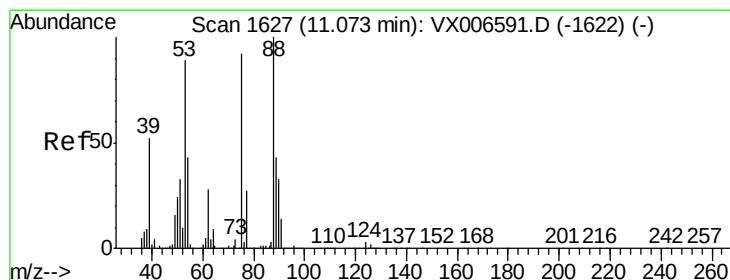
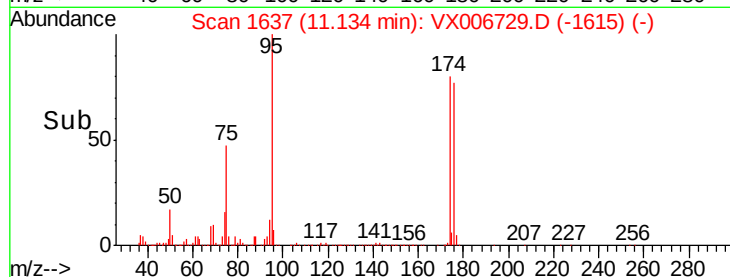
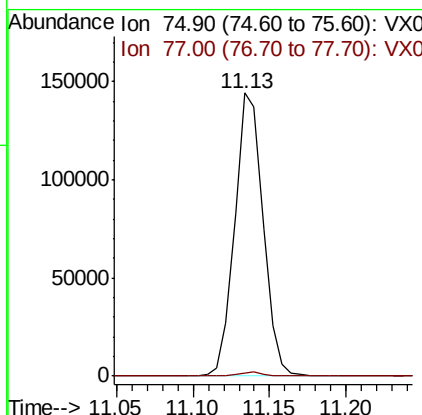
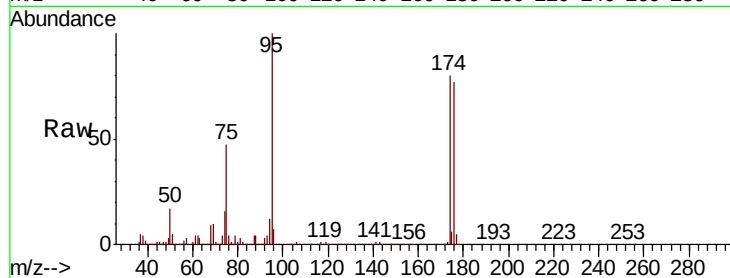




#76
 1,2,3-Trichloropropane
 Concen: 24.387 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006729.D
 Acq: 21 Dec 2018 17:43

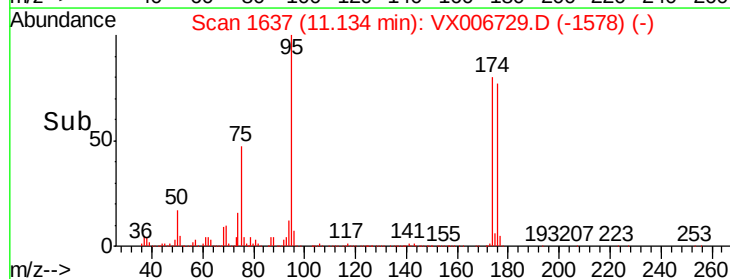
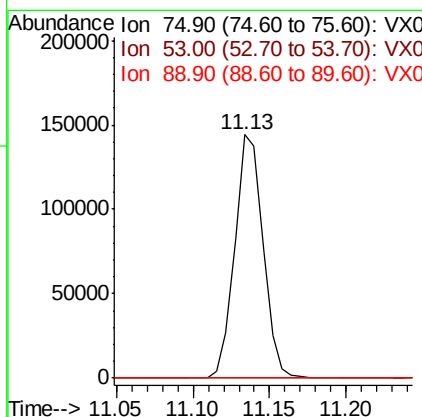
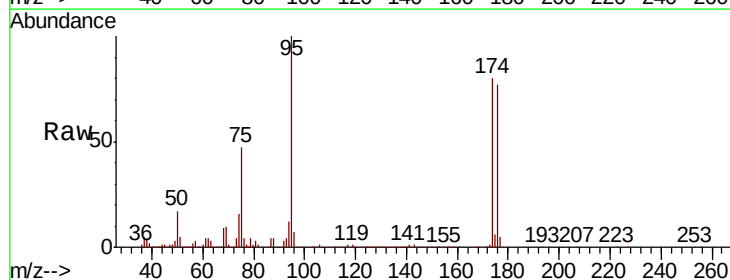
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-122018DL

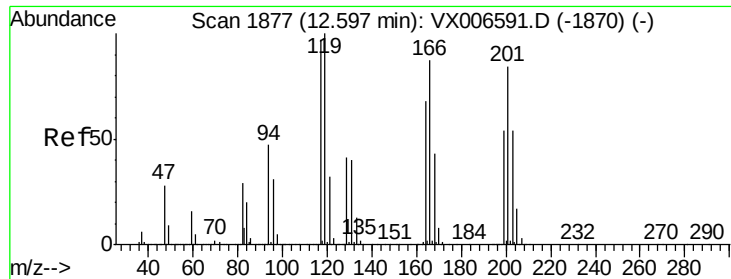
Tot Ion: 75 Resp: 185511
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.5 55.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.166 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006729.D
 Acq: 21 Dec 2018 17:43

Tgt Ion: 75 Resp: 185511
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.7 119.5#
 89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 4.106 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX006729.D

Acq: 21 Dec 2018 17:43

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-122018DL

Tot Ion:117 Resp: 3389

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

