

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006738.D
 Acq On : 21 Dec 2018 22:37
 Operator : JC/MD
 Sample : VX1221WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBL02

Quant Time: Dec 22 04:08:47 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	621541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	974932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	866614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402471	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	334694	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	5.51	113	288666	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
50) Toluene-d8	8.71	98	1128657	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.14	95	392540	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

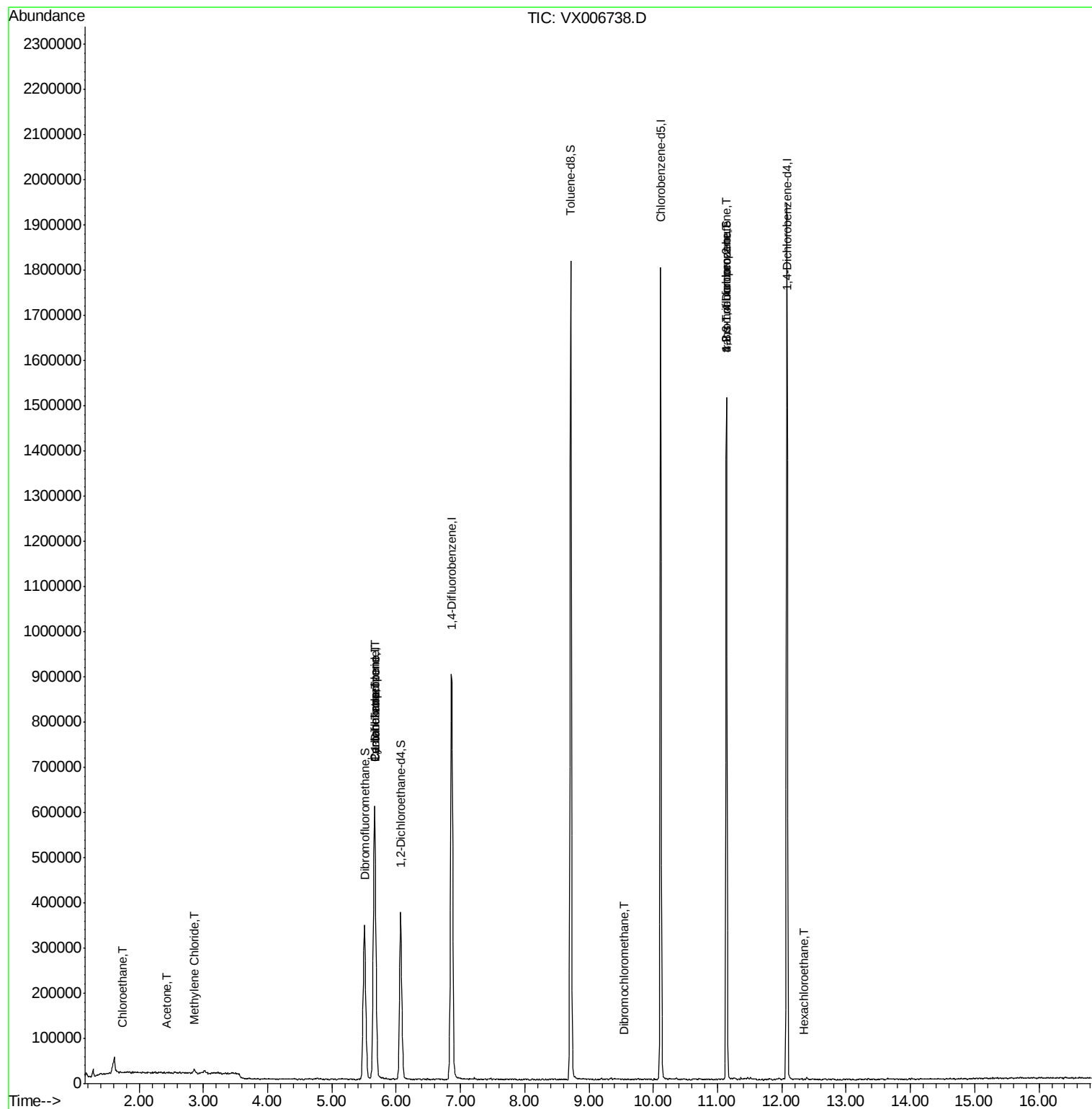
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1180	Below Cal	#	71
6) Chloroethane	1.74	64	1160	0.262	ug/l #	58
16) Acetone	2.44	43	762	0.248	ug/l #	40
20) Methylene Chloride	2.86	84	3647	0.573	ug/l #	83
28) Bromochloromethane	5.02	49	59	Below Cal	#	4
31) Cyclohexane	5.67	56	10230	1.103	ug/l #	9
36) 1,1-Dichloropropene	5.67	75	39883	4.939	ug/l #	49
38) Carbon Tetrachloride	5.66	117	56455	7.194	ug/l #	14
49) 1,4-Dioxane	7.77	88	228	Below Cal	#	13
60) Dibromochloromethane	9.55	129	101	2.338	ug/l	79
76) 1,2,3-Trichloropropane	11.14	75	186840	24.980	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	186840	73.818	ug/l #	10
90) Hexachloroethane	12.35	117	127	3.324	ug/l	55

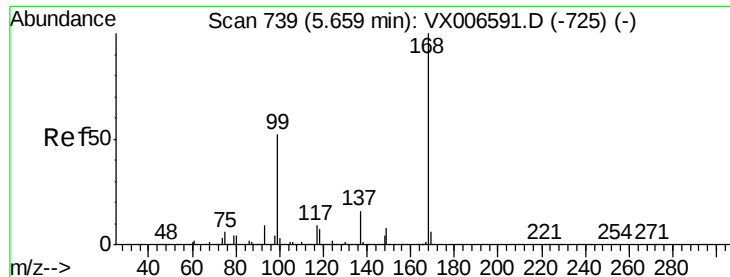
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006738.D
Acq On : 21 Dec 2018 22:37
Operator : JC/MD
Sample : VX1221WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBL02

Quant Time: Dec 22 04:08:47 2018
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: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampleId :

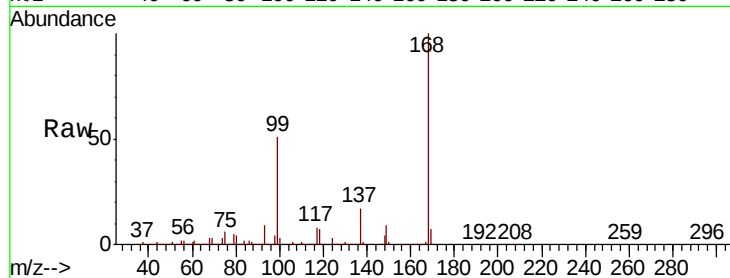
VX1221WBL02

Tot Ion:168 Resp: 621541

Ion Ratio Lower Upper

168 100

99 51.3 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

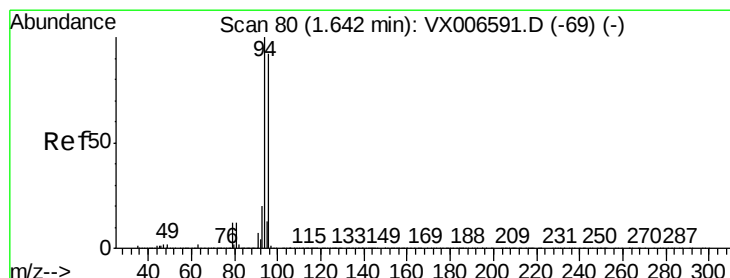
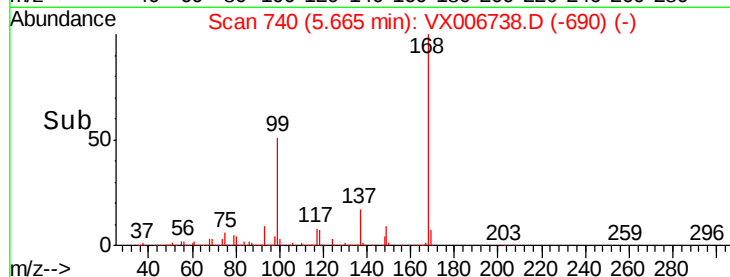
150000

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: VX006738.D

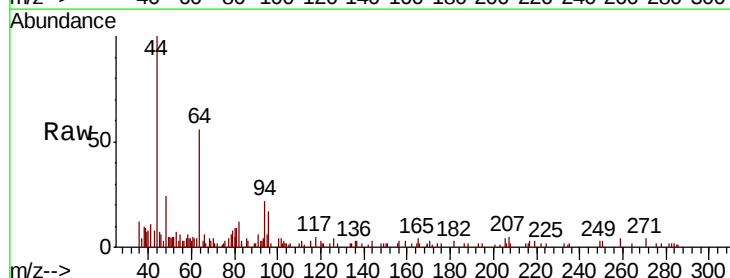
Acq: 21 Dec 2018 22:37

Tgt Ion: 94 Resp: 1180

Ion Ratio Lower Upper

94 100

96 64.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

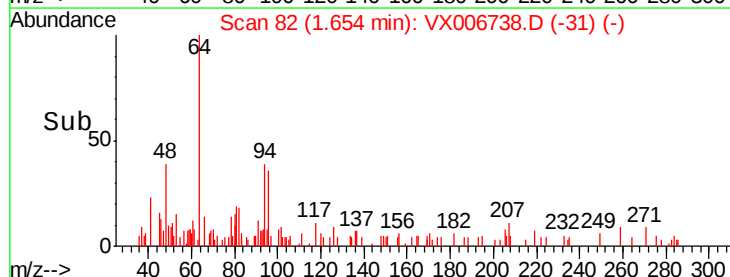
600

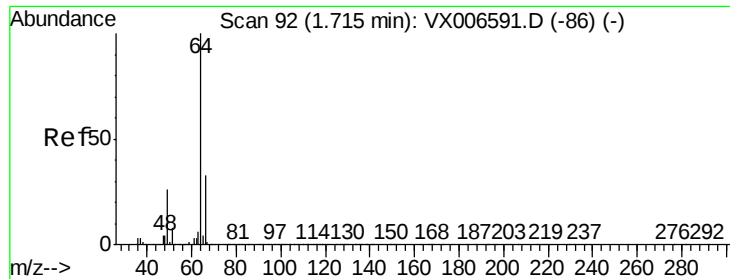
400

200

0

Time--> 1.65 1.70





#6

Chloroethane

Concen: 0.262 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampleId :

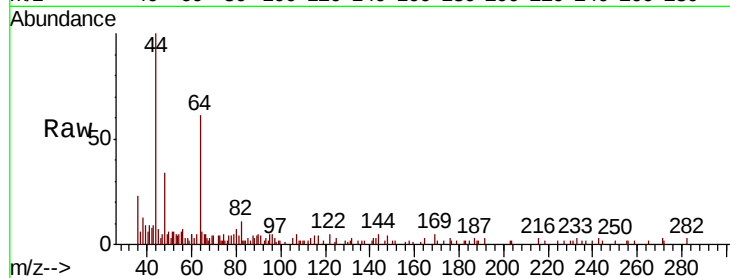
VX1221WBL02

Tot Ion: 64 Resp: 1160

Ion Ratio Lower Upper

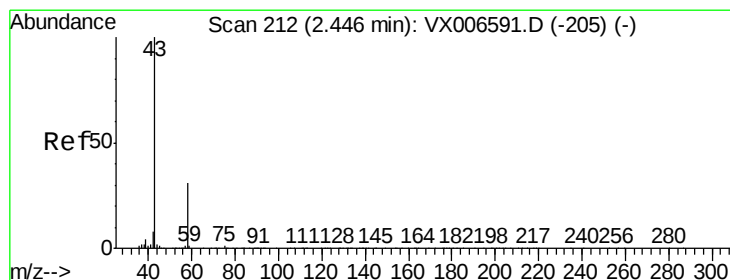
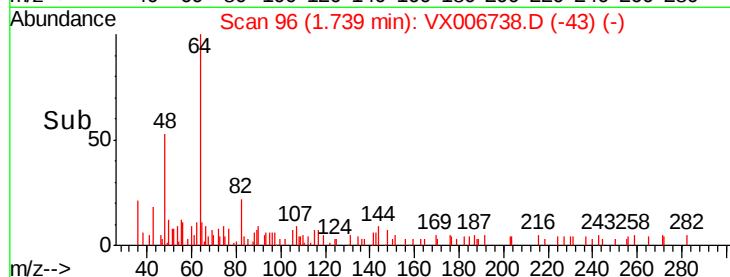
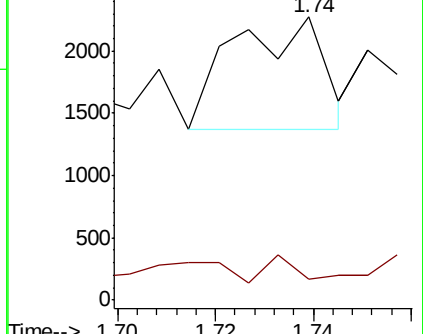
64 100

66 9.1 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#16

Acetone

Concen: 0.248 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006738.D

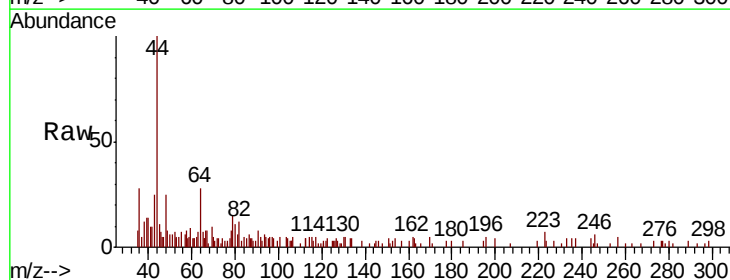
Acq: 21 Dec 2018 22:37

Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

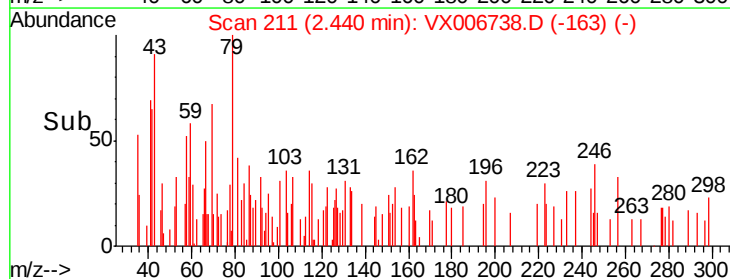
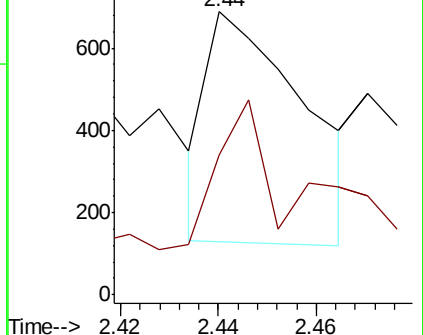
43 100

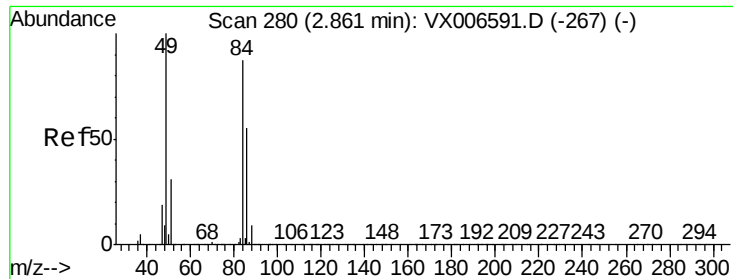
58 64.3 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

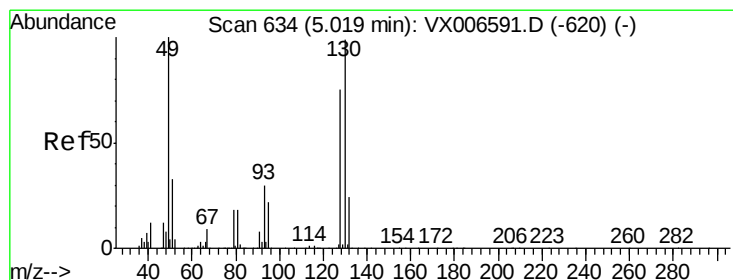
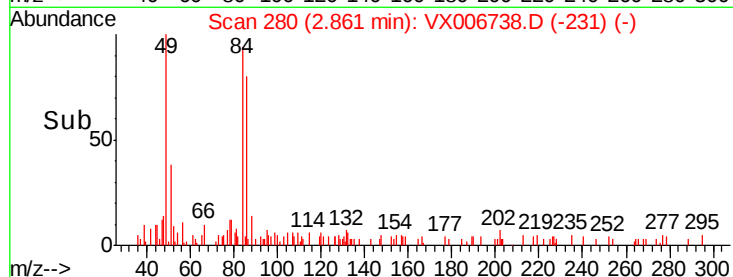
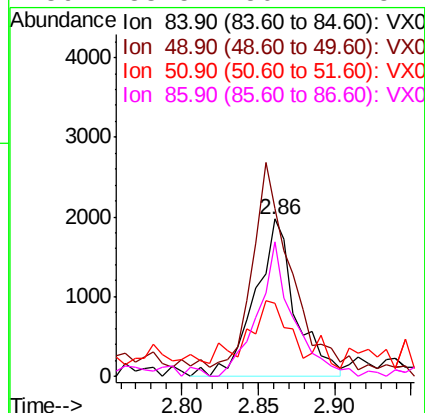
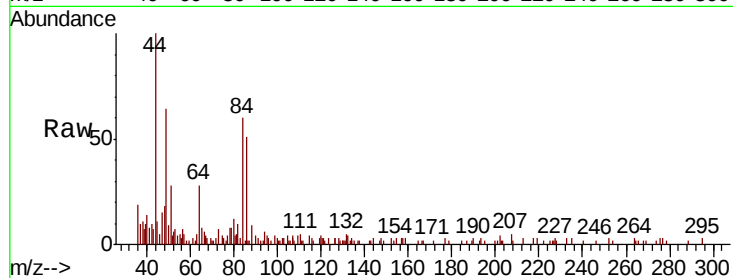




#20
Methvlene Chloride
Concen: 0.573 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006738.D
Acq: 21 Dec 2018 22:37

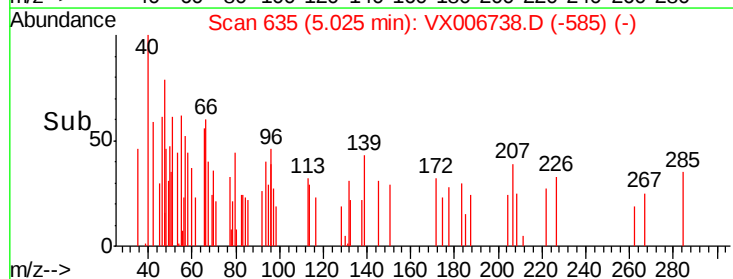
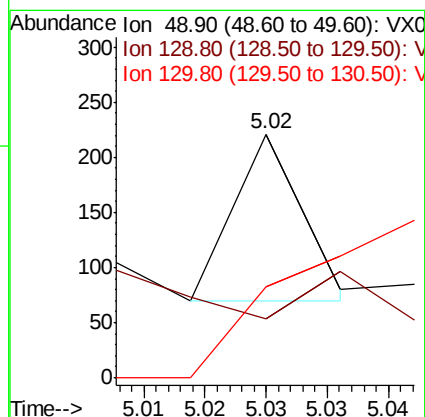
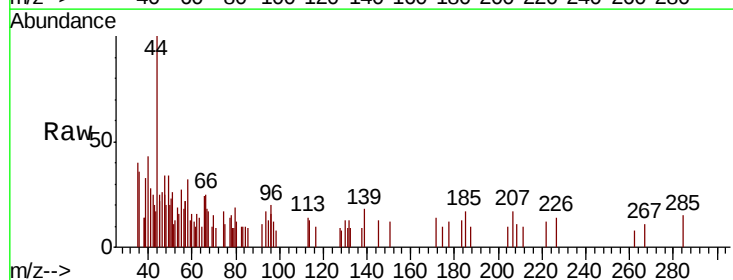
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBL02

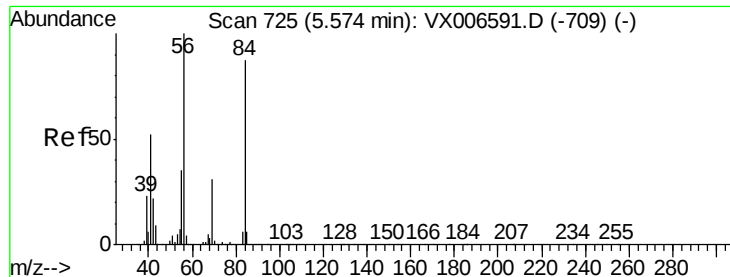
Tot Ion: 84 Resp: 3647
Ion Ratio Lower Upper
84 100
49 100.4 91.8 137.6
51 41.7 28.5 42.7
86 83.5 50.2 75.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006738.D
Acq: 21 Dec 2018 22:37

Tgt Ion: 49 Resp: 59
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 77.7 116.5#

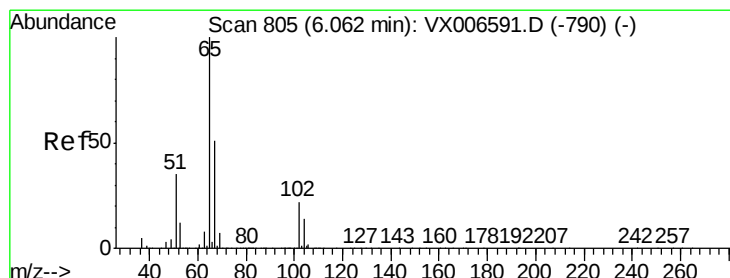
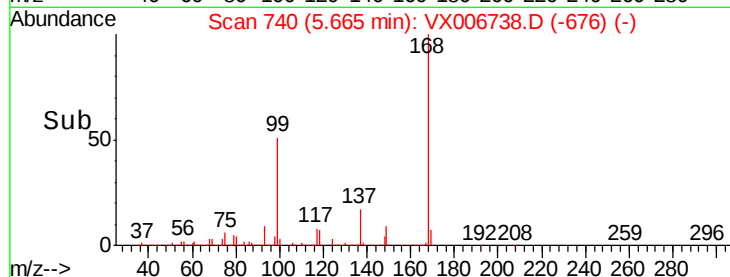
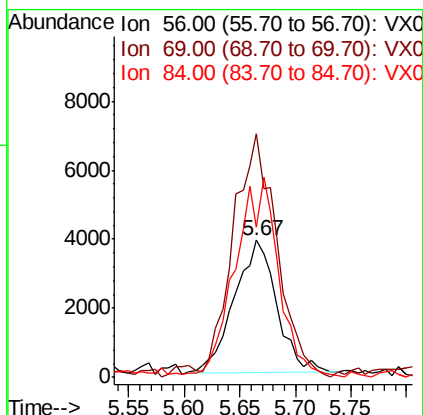
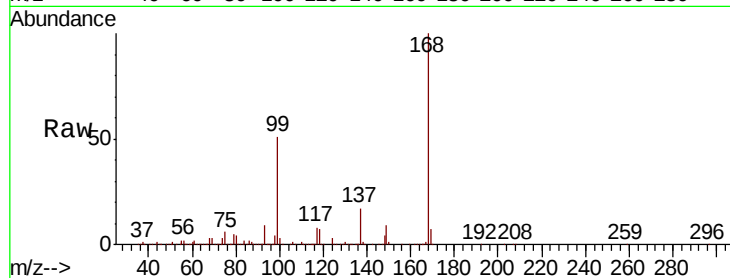




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006738.D
Acq: 21 Dec 2018 22:37

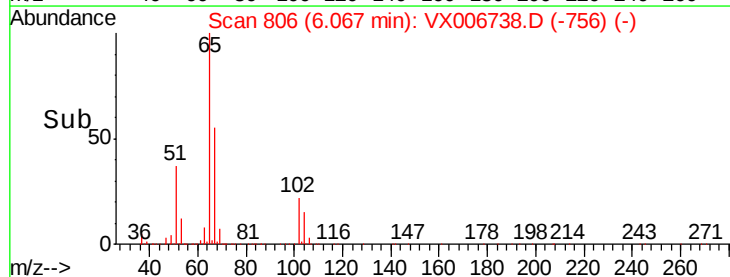
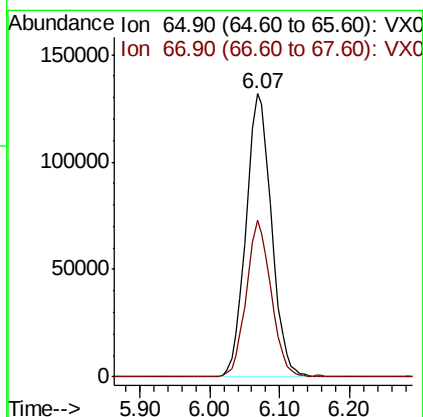
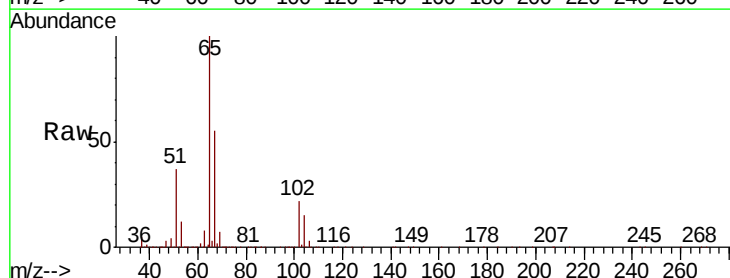
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBL02

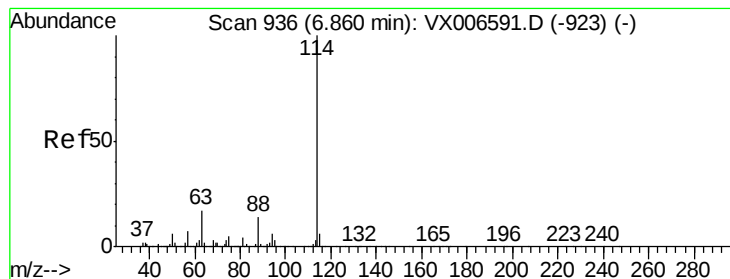
Tot Ion: 56 Resp: 10230
Ion Ratio Lower Upper
56 100
69 180.8 24.4 36.6#
84 112.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.964 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006738.D
Acq: 21 Dec 2018 22:37

Tgt Ion: 65 Resp: 334694
Ion Ratio Lower Upper
65 100
67 53.5 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: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBL02

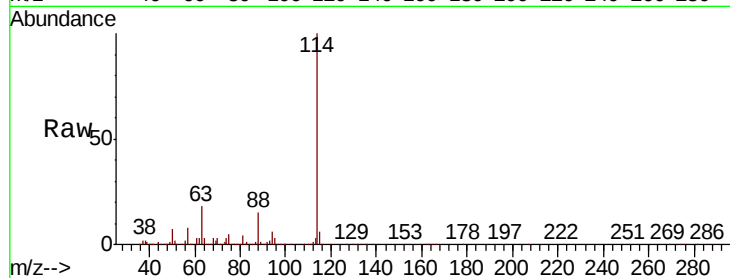
Tot Ion:114 Resp: 974932

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

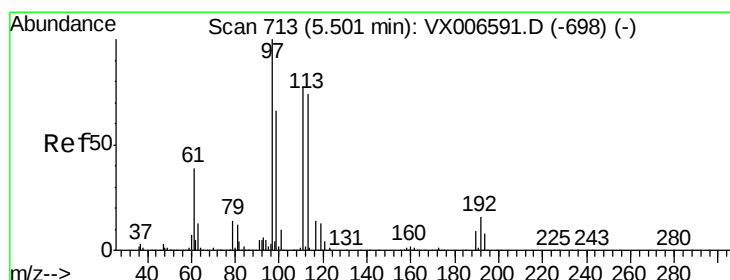
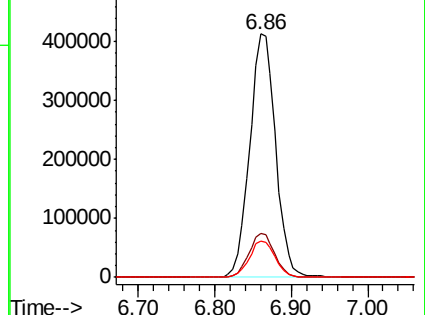
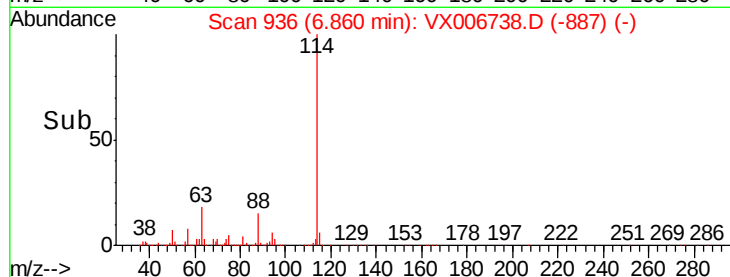
88 14.9 0.0 28.8



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: 46.821 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

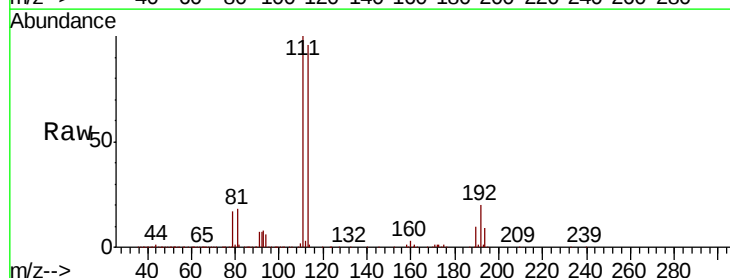
Tgt Ion:113 Resp: 288666

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

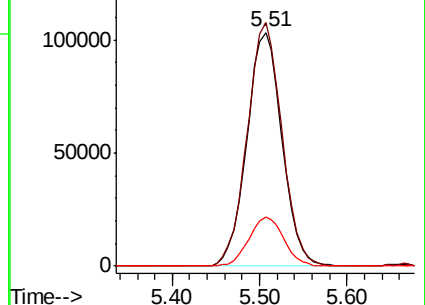
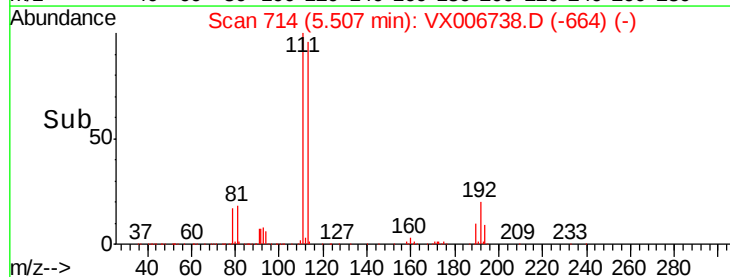
192 21.2 16.7 25.1

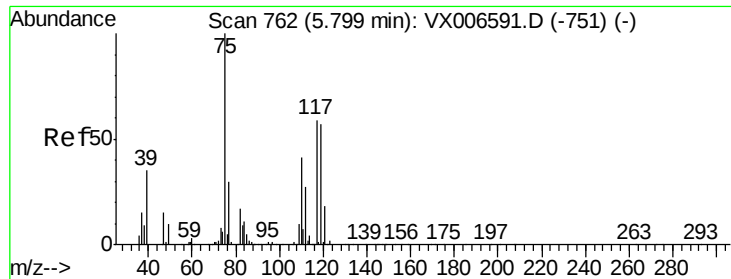


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.939 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBL02

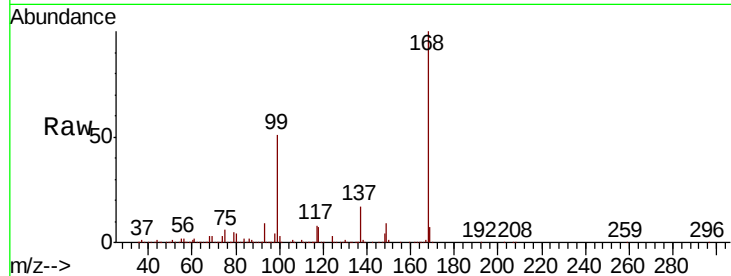
Tot Ion: 75 Resp: 39883

Ion Ratio Lower Upper

75 100

110 10.8 20.2 60.5#

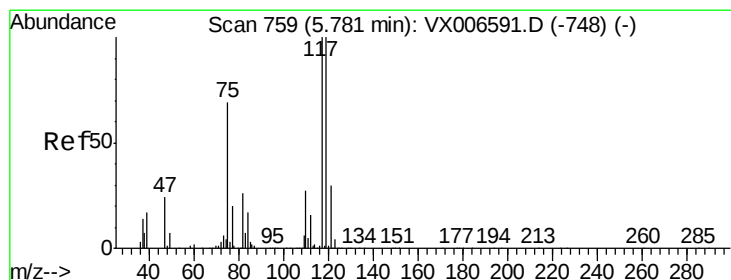
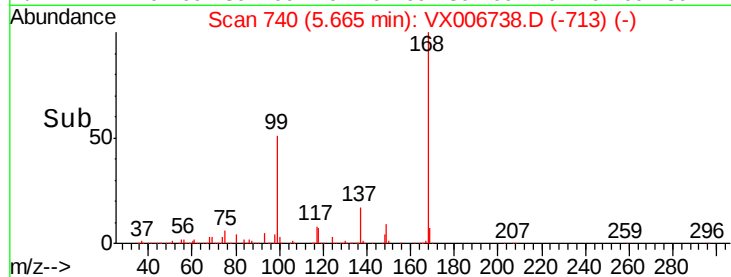
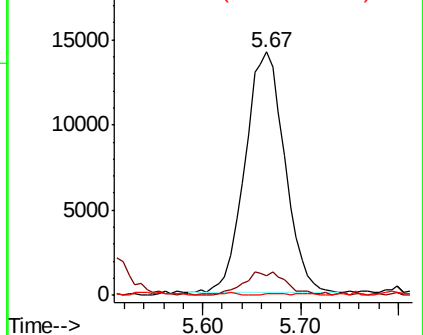
77 0.3 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX006738.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX006738.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006738.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 7.194 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

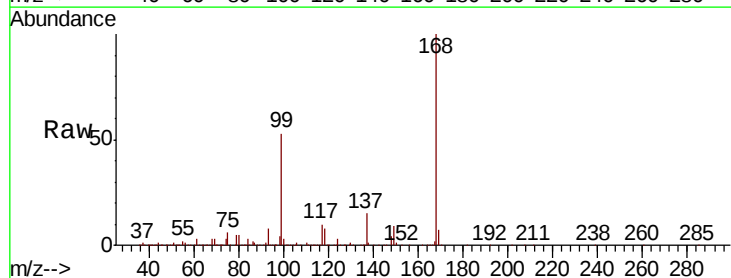
Tgt Ion: 117 Resp: 56455

Ion Ratio Lower Upper

117 100

119 4.3 79.4 119.2#

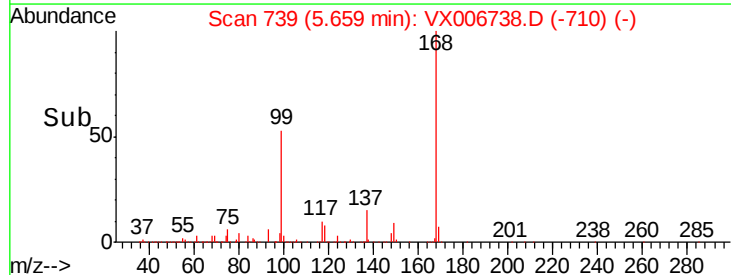
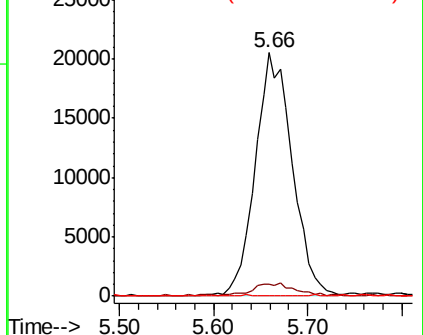
121 0.0 24.0 36.0#

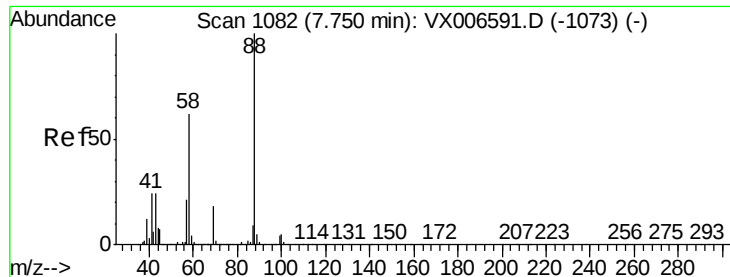


Abundance Ion 116.80 (116.50 to 117.50): VX006738.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006738.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006738.D (-710) (-)





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampled :

VX1221WBL02

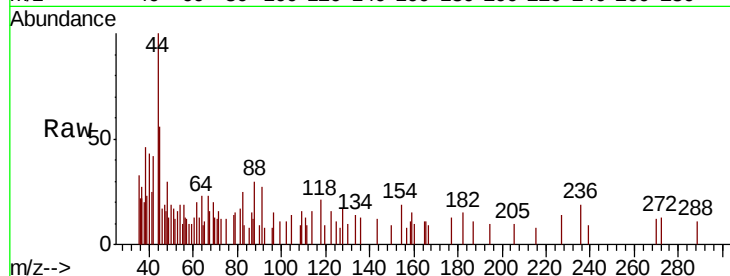
Tot Ion: 88 Resp: 228

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

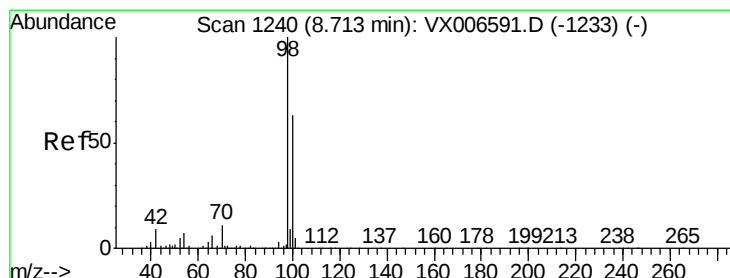
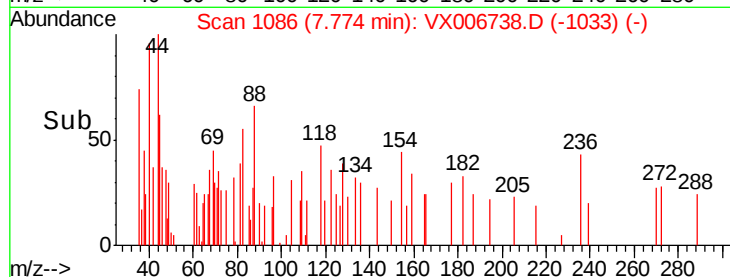
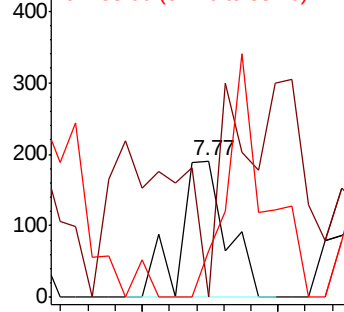
58 143.4 51.0 76.4#



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: 48.558 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006738.D

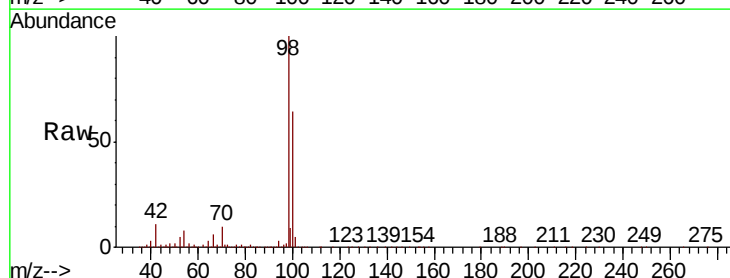
Acq: 21 Dec 2018 22:37

Tgt Ion: 98 Resp: 1128657

Ion Ratio Lower Upper

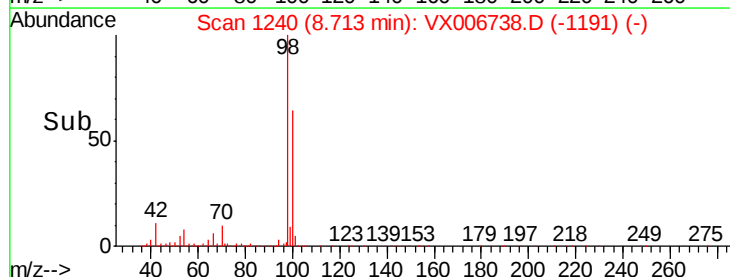
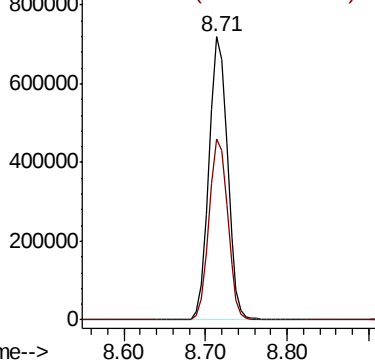
98 100

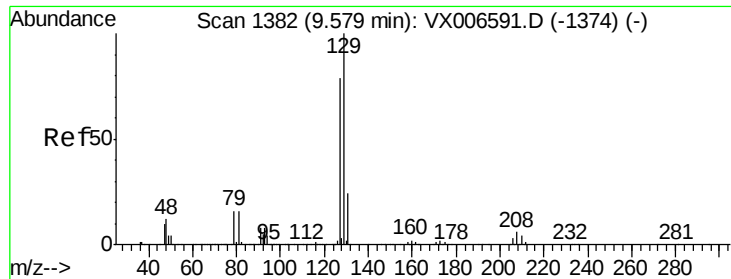
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

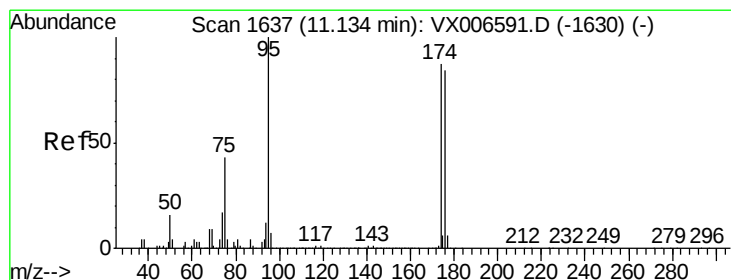
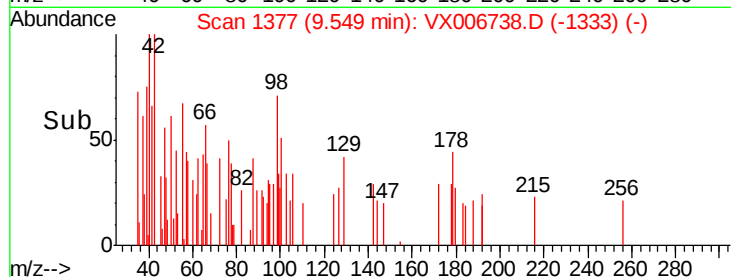
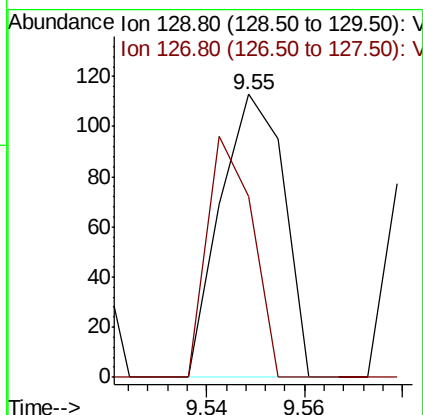
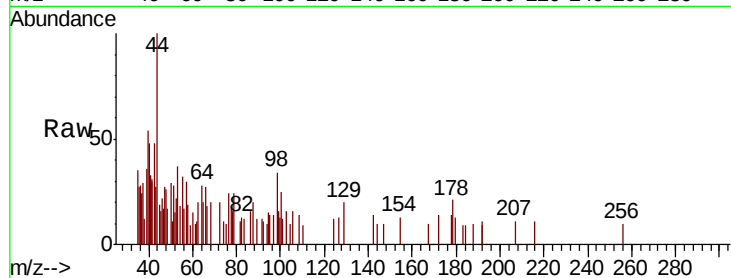




#60
 Dibromochloromethane
 Concen: 2.338 ug/l
 RT: 9.55 min Scan# 1377
 Delta R.T. -0.03 min
 Lab File: VX006738.D
 Acq: 21 Dec 2018 22:37

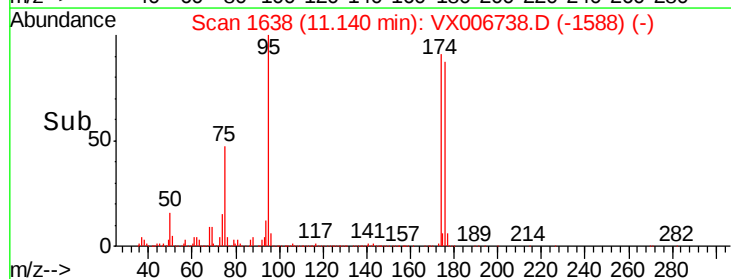
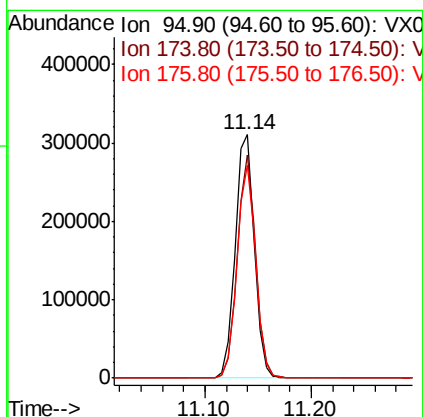
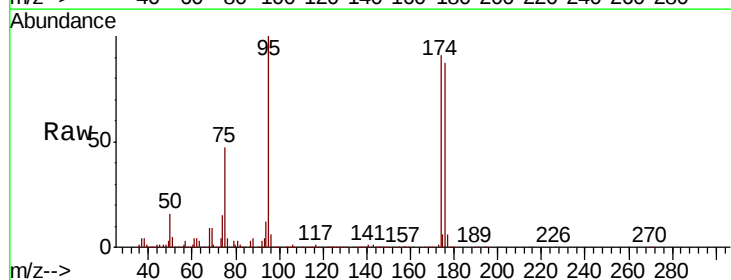
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBL02

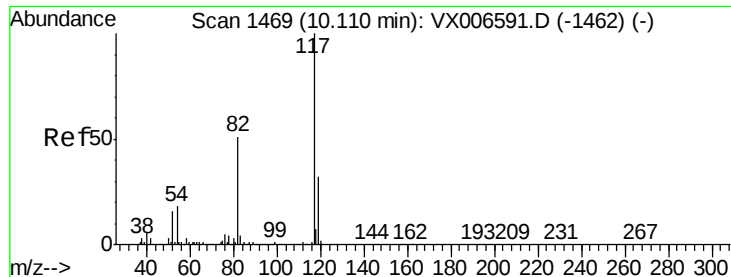
Tot Ion:129 Resp: 101
 Ion Ratio Lower Upper
 129 100
 127 60.4 39.3 117.8



#62
 4-Bromofluorobenzene
 Concen: 46.112 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: VX006738.D
 Acq: 21 Dec 2018 22:37

Tgt Ion: 95 Resp: 392540
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 182.2
 176 85.2 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBL02

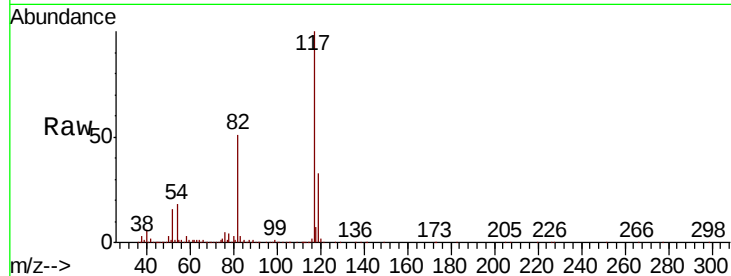
Tot Ion:117 Resp: 866614

Ion Ratio Lower Upper

117 100

82 50.5 41.0 61.6

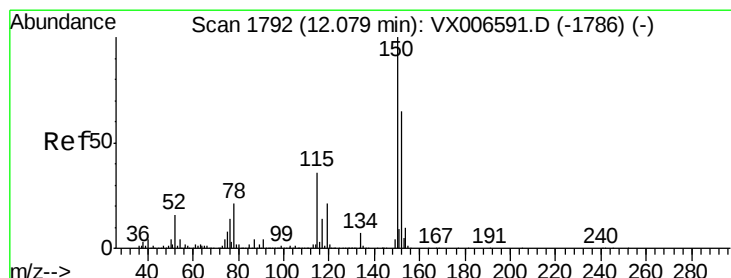
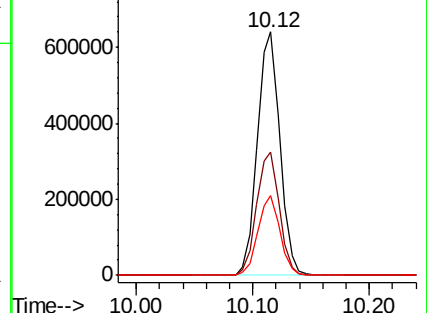
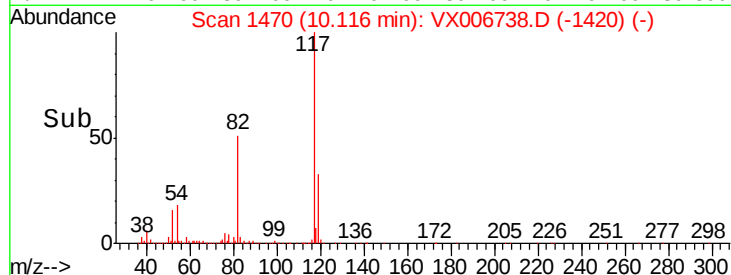
119 32.9 25.4 38.0



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: VX006738.D

Acq: 21 Dec 2018 22:37

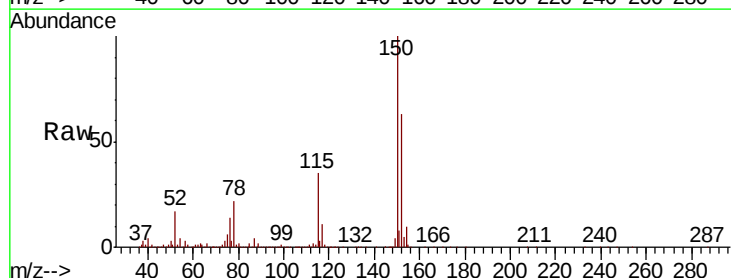
Tgt Ion:152 Resp: 402471

Ion Ratio Lower Upper

152 100

115 56.0 39.1 117.2

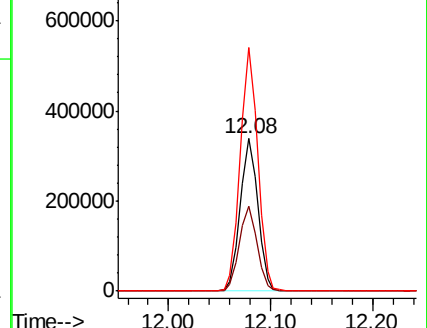
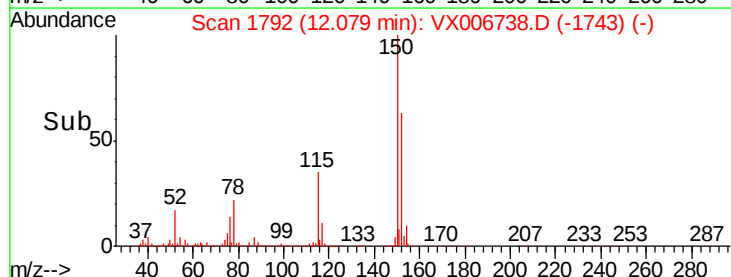
150 158.3 0.0 344.8

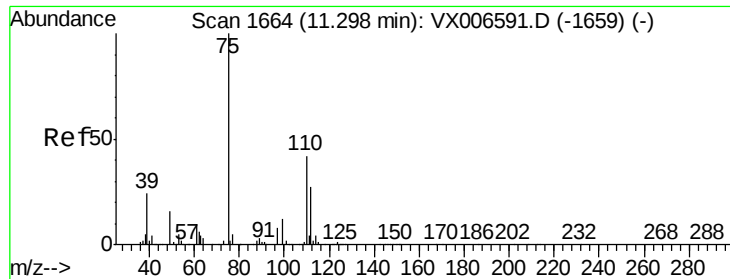


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.980 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampleId :

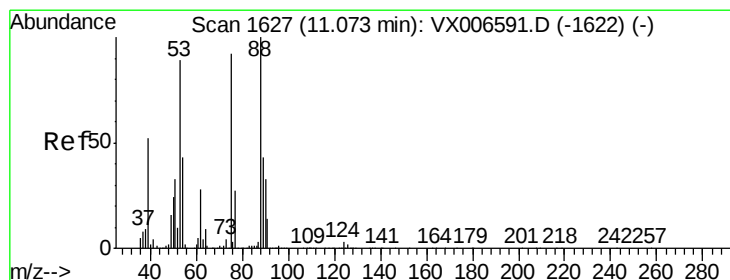
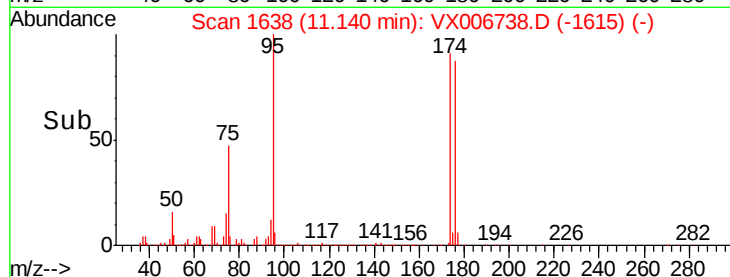
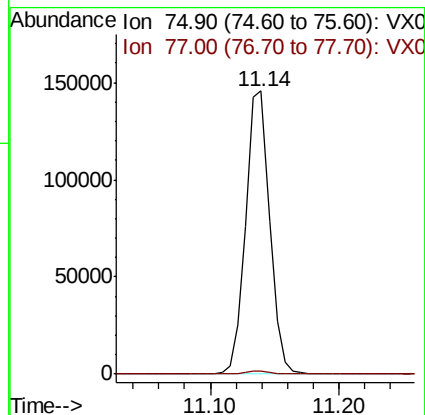
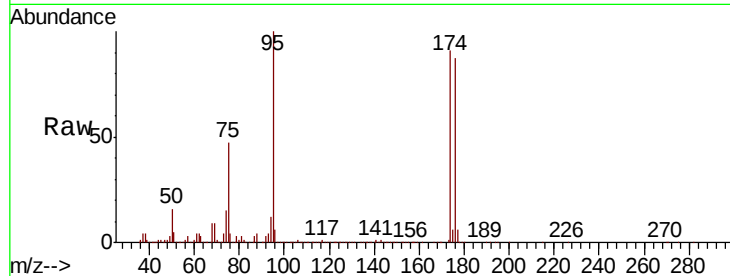
VX1221WBL02

Tot Ion: 75 Resp: 186840

Ion Ratio Lower Upper

75 100

77 1.2 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.818 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

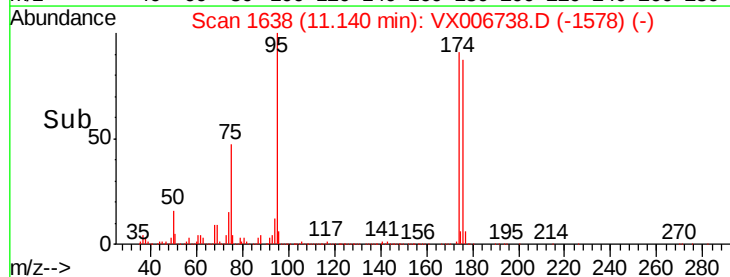
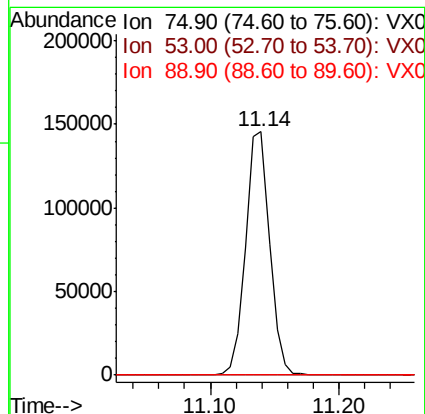
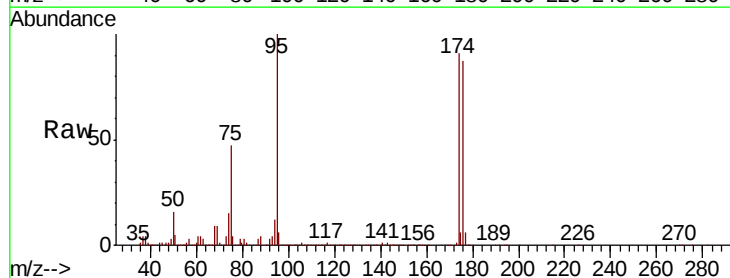
Tgt Ion: 75 Resp: 186840

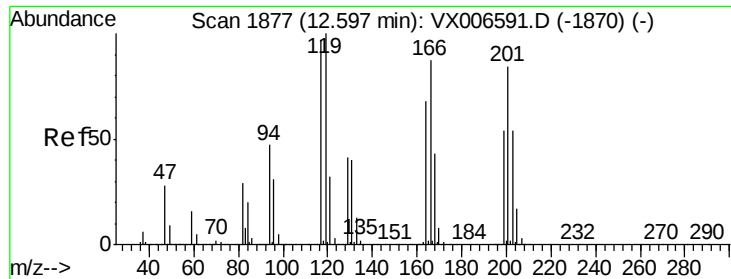
Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.324 ug/l

RT: 12.35 min Scan# 1837

Delta R.T. -0.24 min

Lab File: VX006738.D

Acq: 21 Dec 2018 22:37

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBL02

Tot Ion:117 Resp: 127

Ion Ratio Lower Upper

117 100

201 44.1 42.9 128.7

