

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122218\
 Data File : VX006766.D
 Acq On : 22 Dec 2018 12:36
 Operator : JC/MD
 Sample : J6497-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 24 04:23:33 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	5.66	168	644852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1001018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	904824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	419150	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	342210	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	5.51	113	297449	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	8.71	98	1174537	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	408602	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

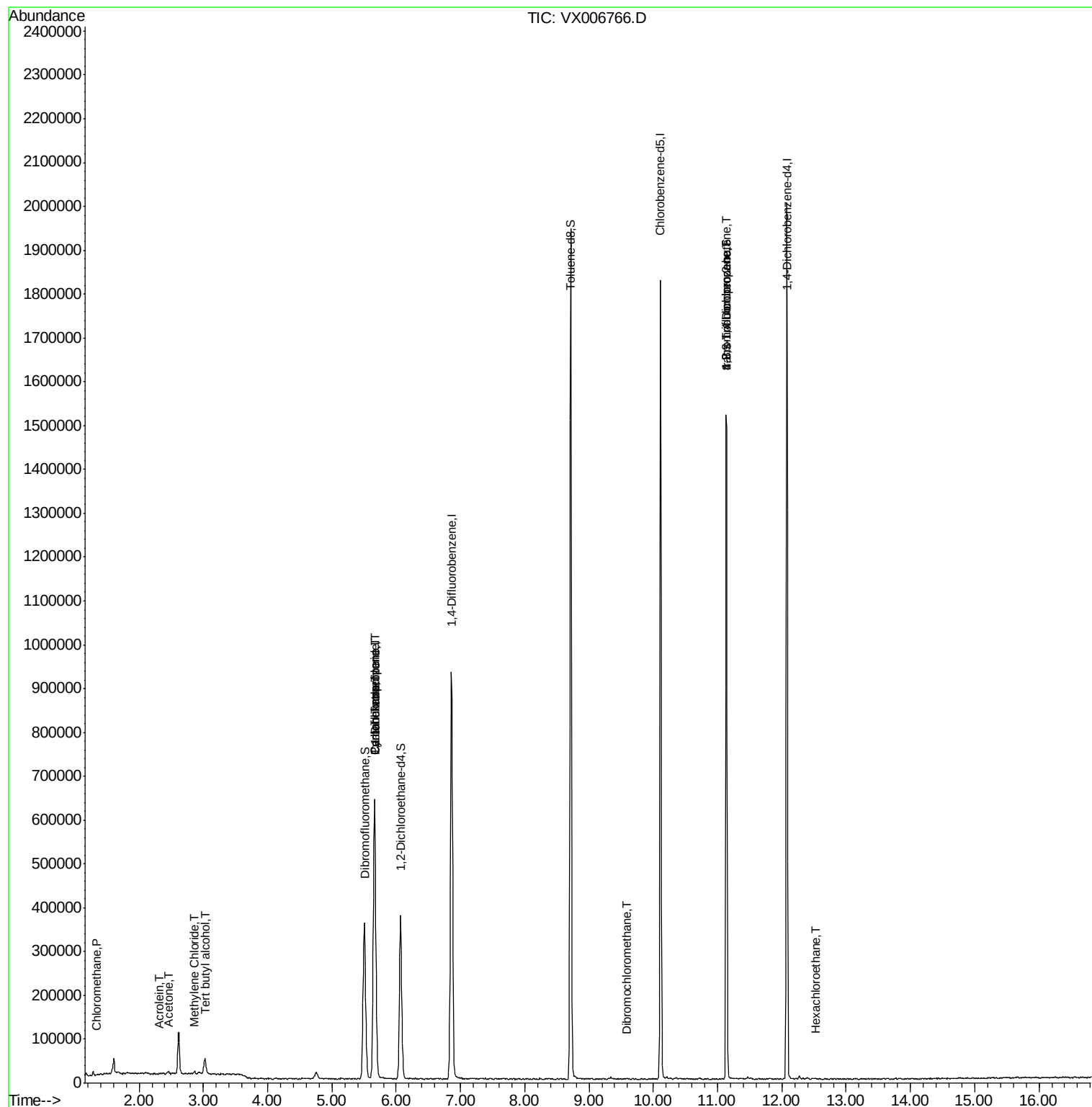
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1506	0.237	ug/l #	52
5) Bromomethane	1.65	94	1012	Below Cal		84
11) Tert butyl alcohol	3.03	59	22080	14.236	ug/l #	72
13) Acrolein	2.31	56	230	0.220	ug/l #	13
16) Acetone	2.45	43	4024	1.260	ug/l	97
20) Methylene Chloride	2.87	84	2761	0.418	ug/l #	67
28) Bromochloromethane	5.02	49	437	Below Cal	#	3
31) Cyclohexane	5.66	56	12344	1.283	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	42060	5.073	ug/l #	48
38) Carbon Tetrachloride	5.66	117	60942	7.564	ug/l #	13
49) 1,4-Dioxane	7.76	88	182	Below Cal	#	1
60) Dibromochloromethane	9.58	129	103	2.338	ug/l	76
76) 1,2,3-Trichloropropane	11.13	75	191019	24.522	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	191019	72.544	ug/l #	10
90) Hexachloroethane	12.52	117	86	3.313	ug/l	64

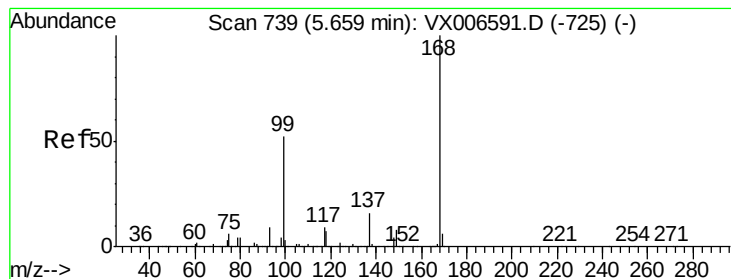
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

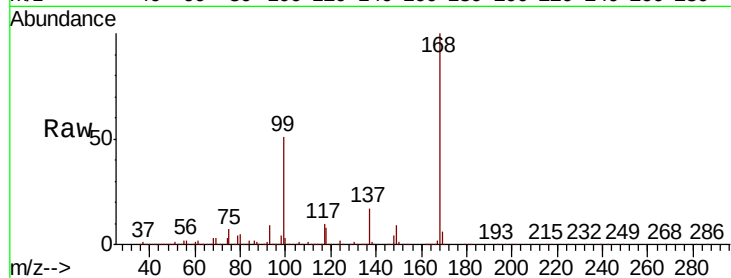
ClientSampleId :

Tot Ion:168 Resp: 644852

Ion Ratio Lower Upper

168 100

99 50.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

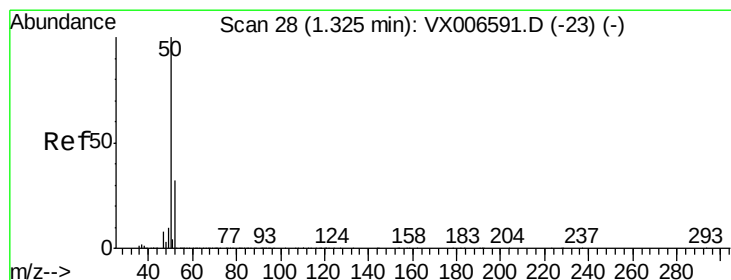
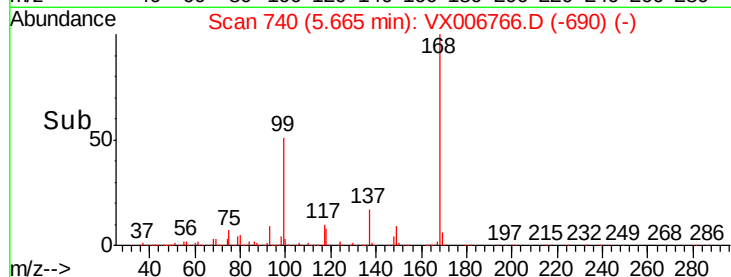
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006766.D

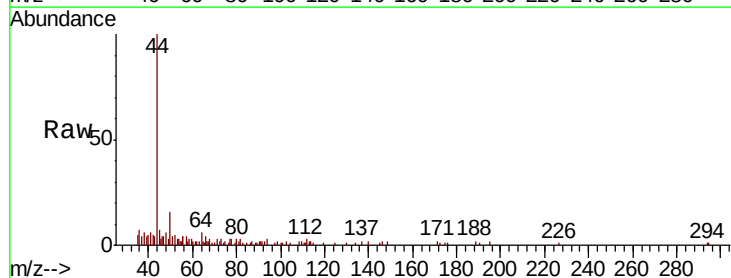
Acq: 22 Dec 2018 12:36

Tgt Ion: 50 Resp: 1506

Ion Ratio Lower Upper

50 100

52 5.0 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

800

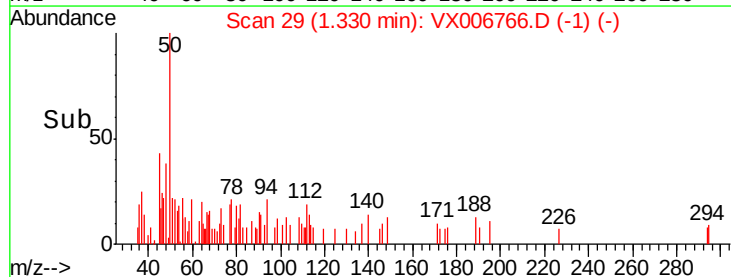
600

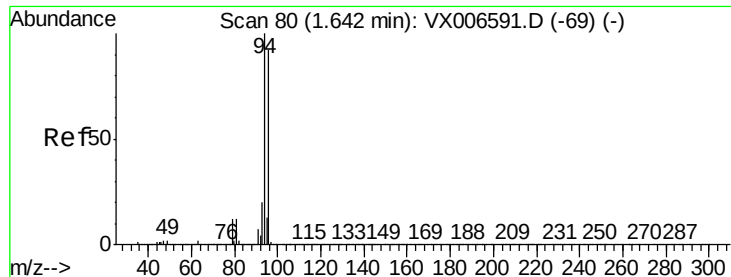
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

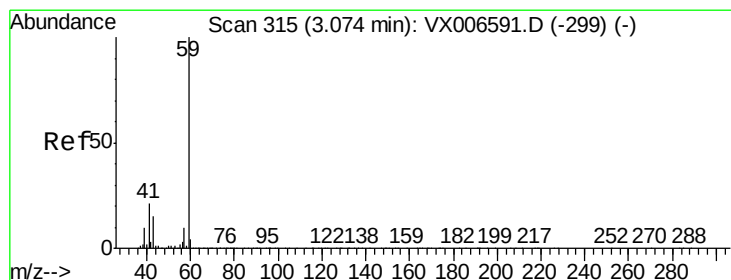
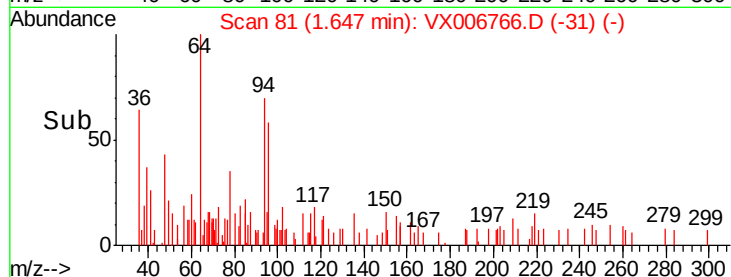
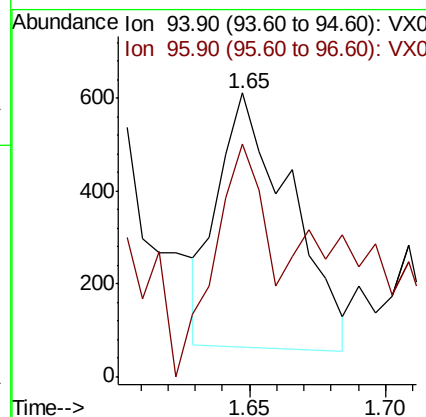
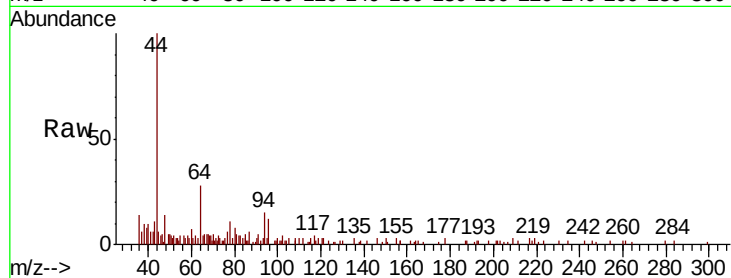
ClientSampled :

Tot Ion: 94 Resp: 1012

Ion Ratio Lower Upper

94 100

96 76.1 73.4 110.2



#11

Tert butyl alcohol

Concen: 14.236 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006766.D

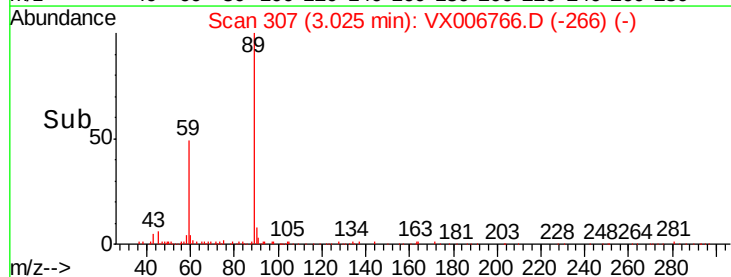
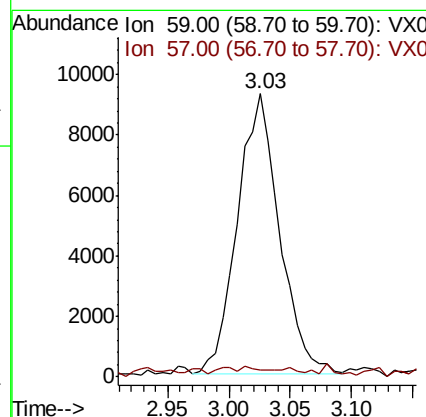
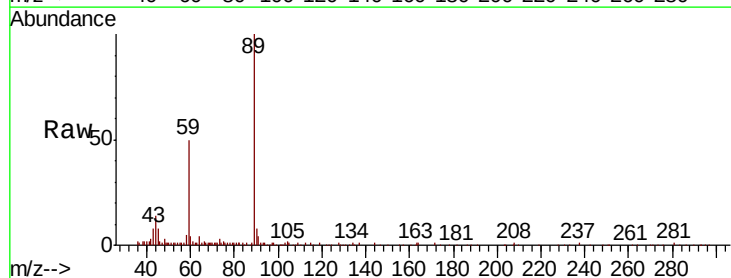
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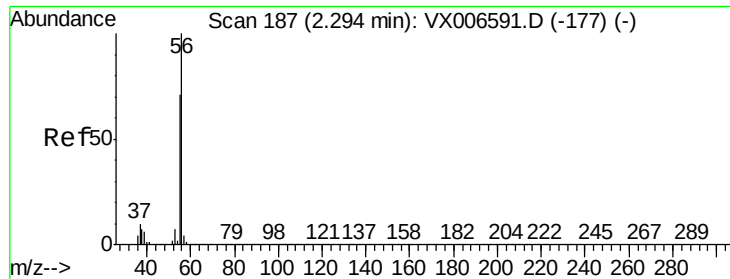
Tgt Ion: 59 Resp: 22080

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

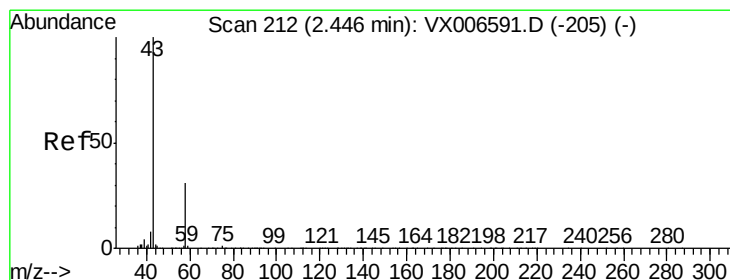
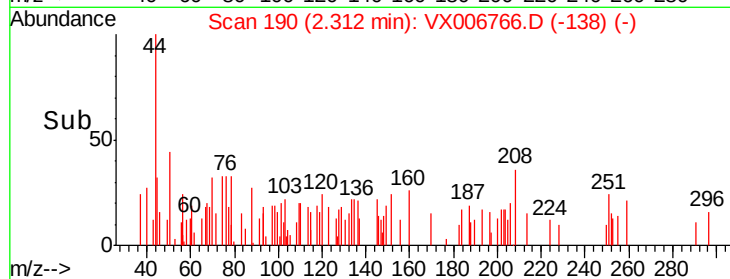
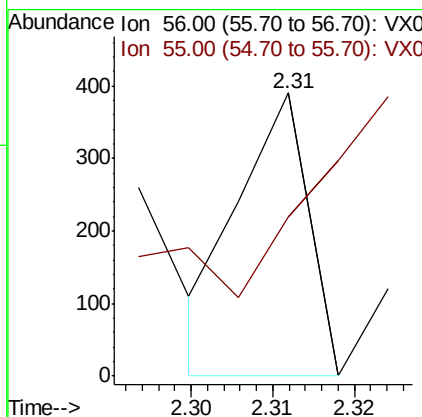
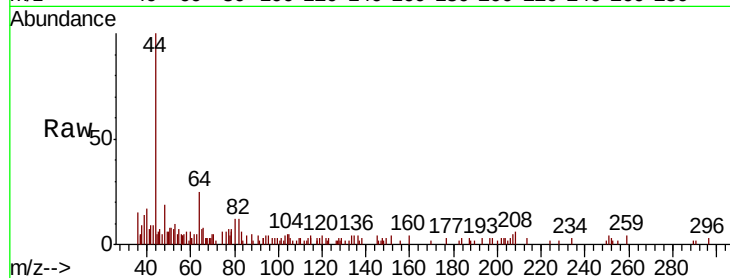




#13
Acrolein
Concen: 0.220 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

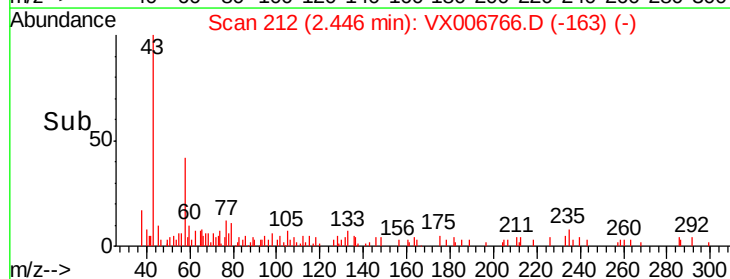
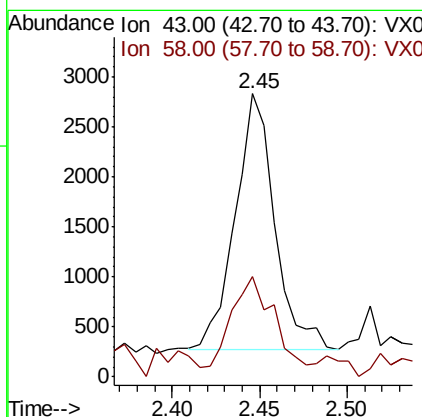
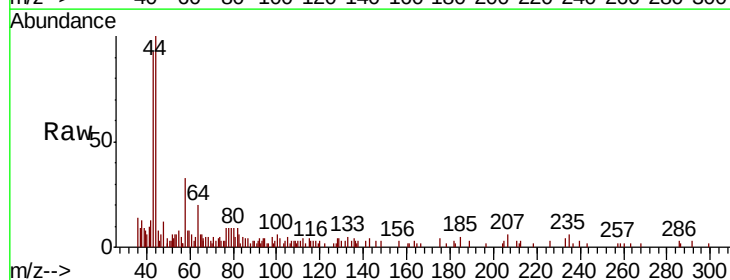
Instrument :
MSVOA_X
ClientSampleId :

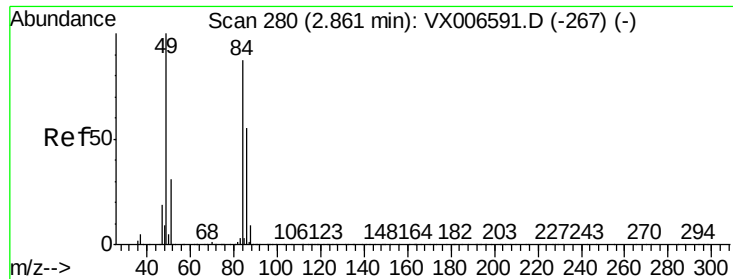
Tot Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#



#16
Acetone
Concen: 1.260 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

Tgt Ion: 43 Resp: 4024
Ion Ratio Lower Upper
43 100
58 29.7 25.0 37.6

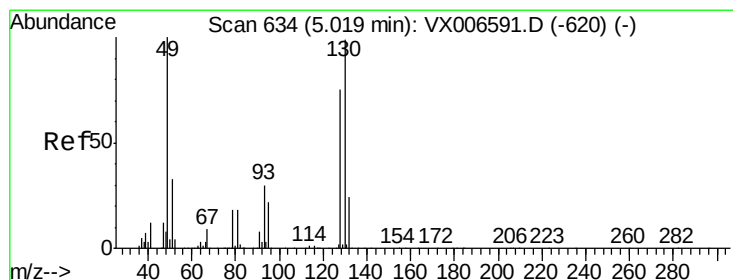
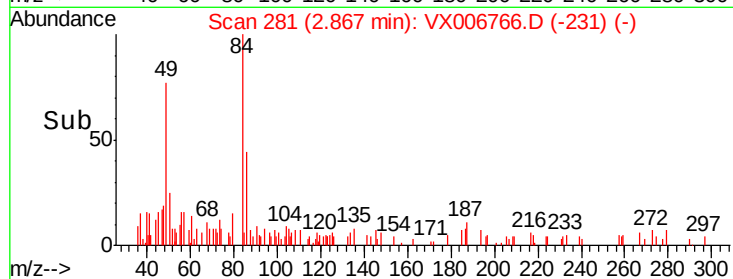
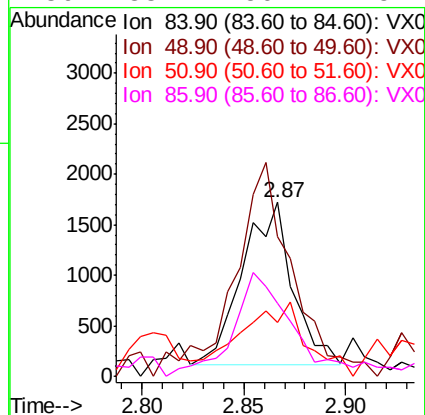
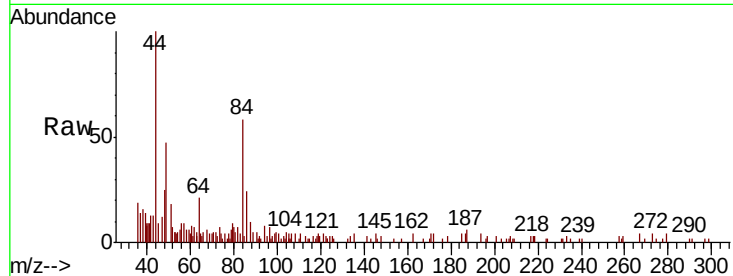




#20
Methvlene Chloride
Concen: 0.418 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

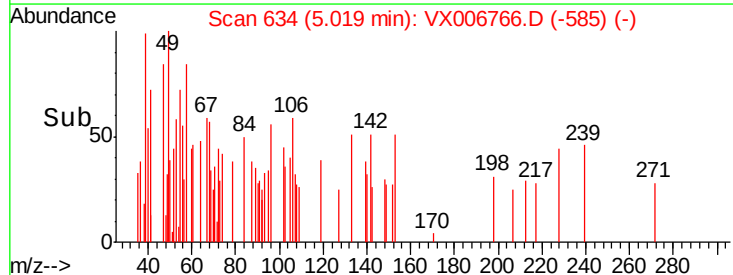
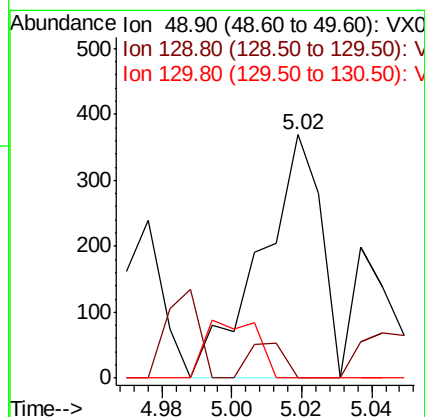
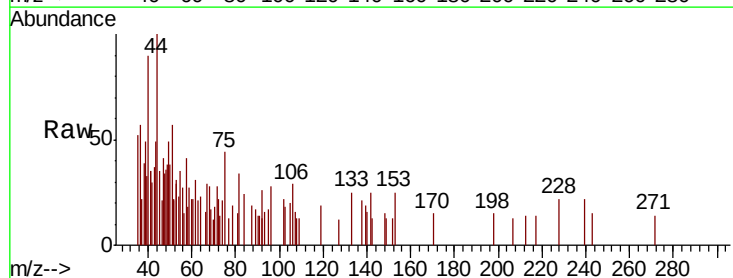
Instrument :
MSVOA_X
ClientSampleId :

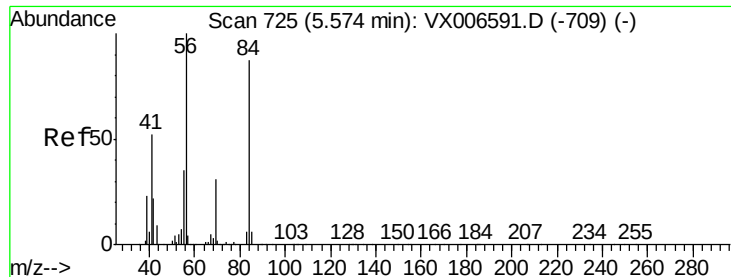
Tot Ion: 84 Resp: 2761
Ion Ratio Lower Upper
84 100
49 73.9 91.8 137.6#
51 24.4 28.5 42.7#
86 38.7 50.2 75.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

Tgt Ion: 49 Resp: 437
Ion Ratio Lower Upper
49 100
129 8.7 0.0 5.4#
130 0.0 77.7 116.5#

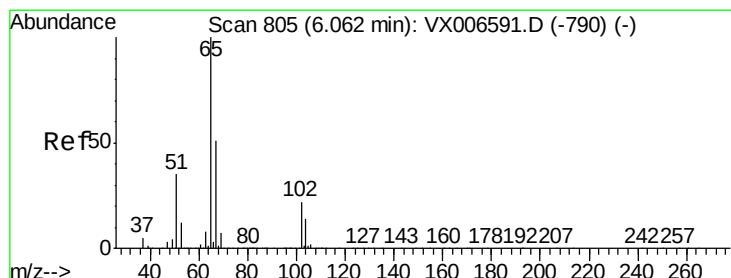
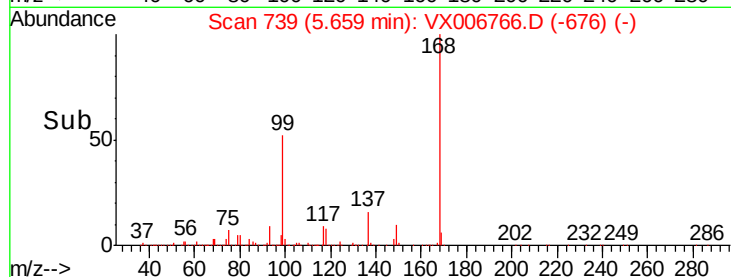
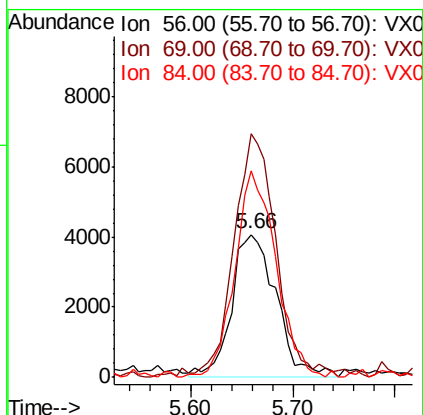
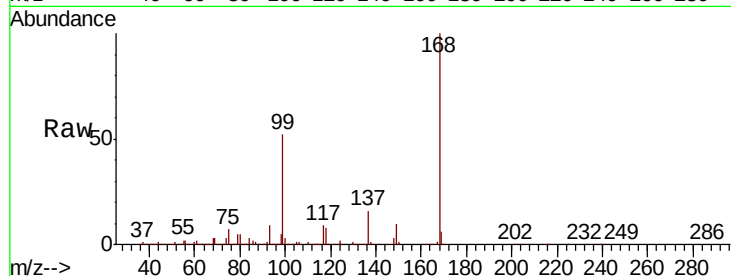




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

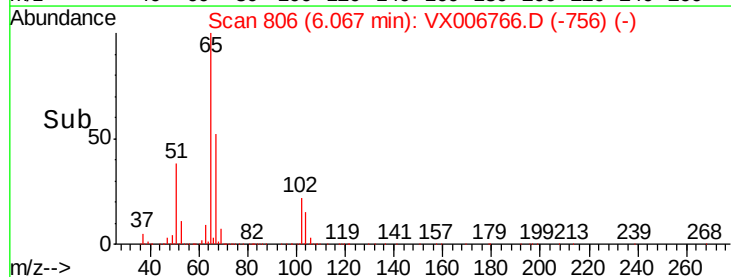
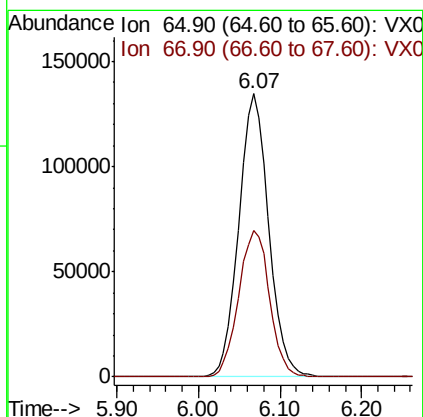
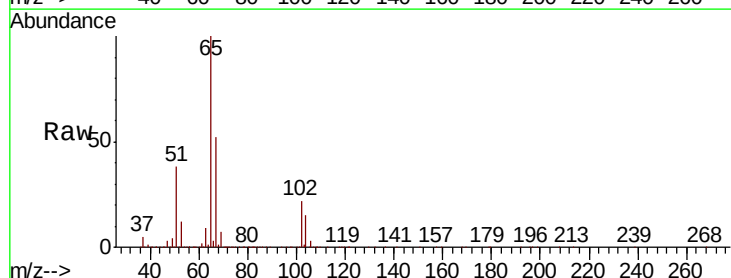
Instrument :
MSVOA_X
ClientSampled :

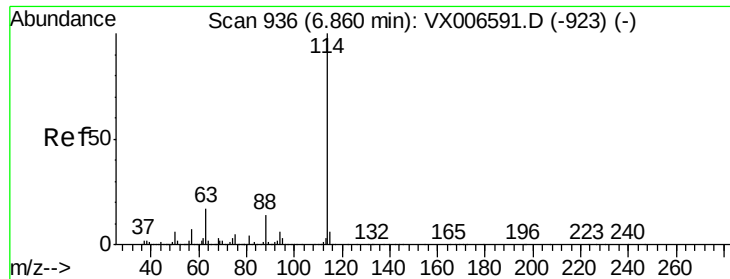
Tot Ion: 56 Resp: 12344
Ion Ratio Lower Upper
56 100
69 167.6 24.4 36.6#
84 144.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.239 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

Tgt Ion: 65 Resp: 342210
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.0

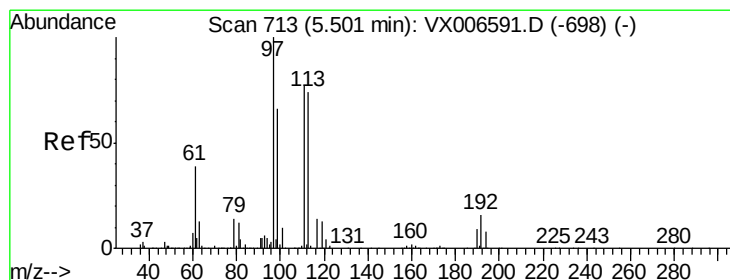
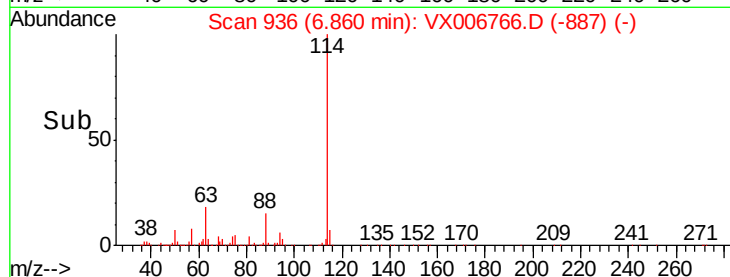
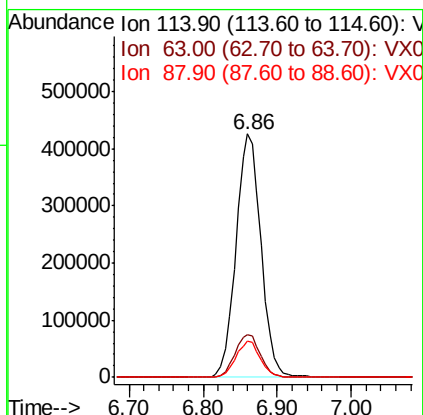
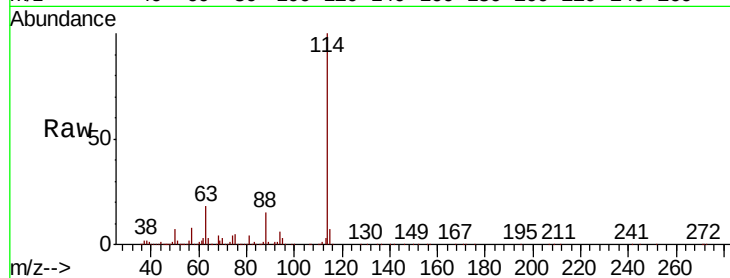




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

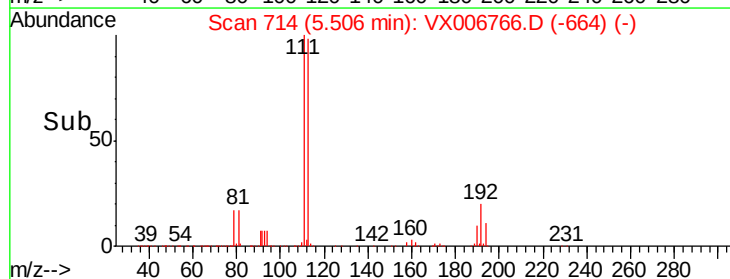
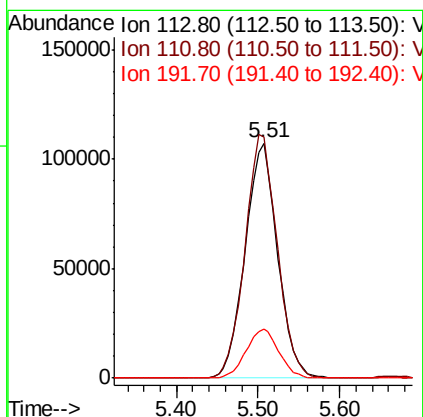
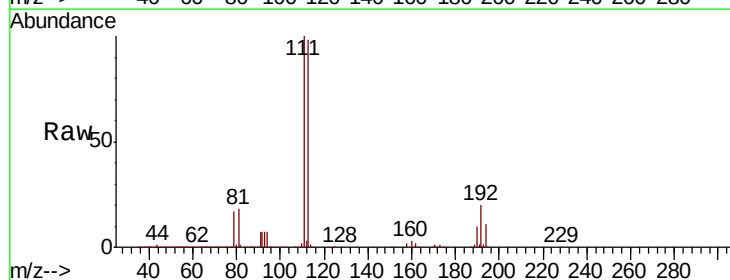
Instrument :
MSVOA_X
ClientSampled :

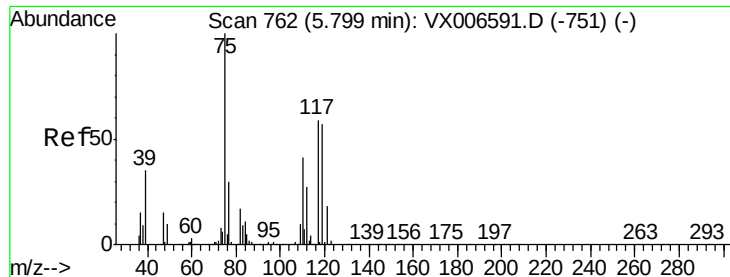
Tot Ion:114 Resp: 1001018
Ion Ratio Lower Upper
114 100
63 17.6 0.0 34.8
88 15.0 0.0 28.8



#35
Dibromofluoromethane
Concen: 46.989 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX006766.D
Acq: 22 Dec 2018 12:36

Tgt Ion:113 Resp: 297449
Ion Ratio Lower Upper
113 100
111 103.3 81.6 122.4
192 21.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

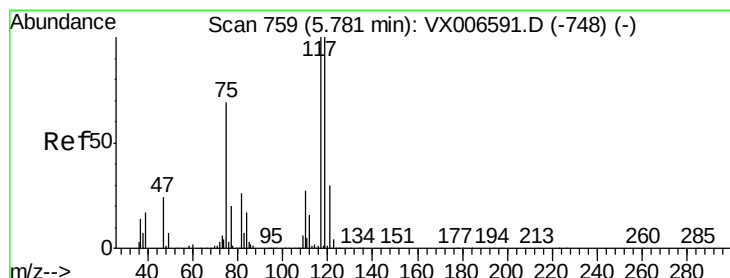
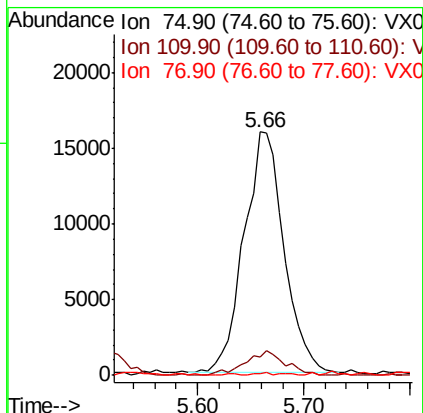
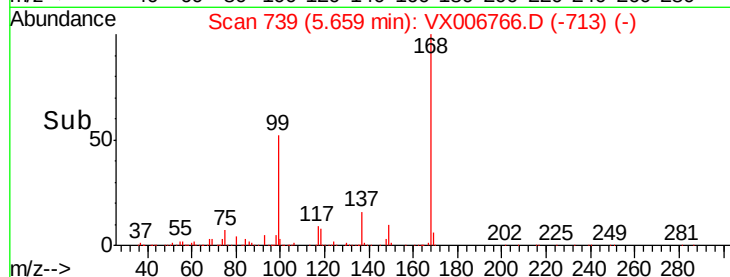
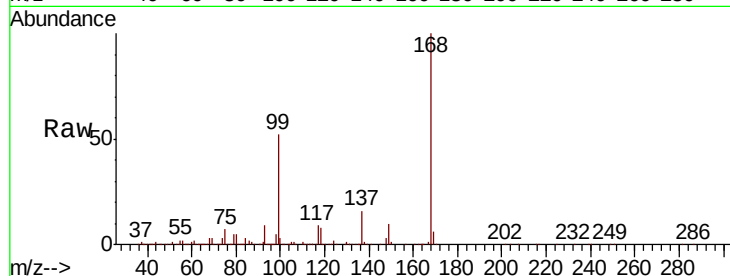
Tot Ion: 75 Resp: 42060

Ion Ratio Lower Upper

75 100

110 10.1 20.2 60.5#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.564 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

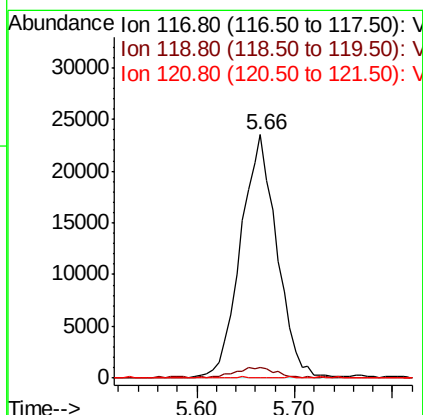
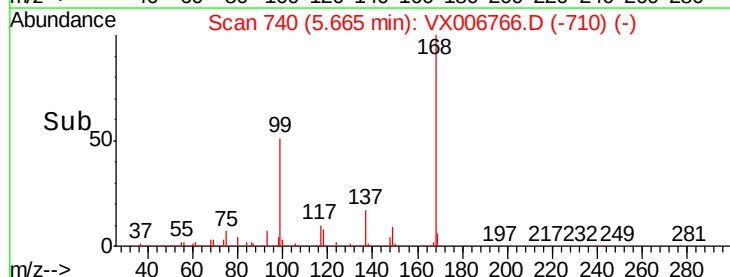
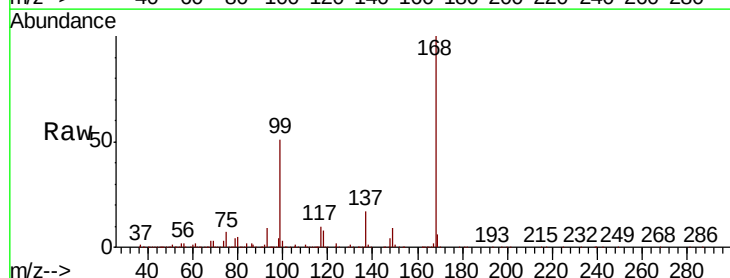
Tgt Ion: 117 Resp: 60942

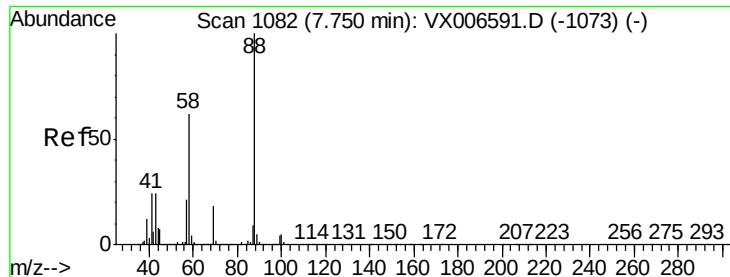
Ion Ratio Lower Upper

117 100

119 3.8 79.4 119.2#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

ClientSampled :

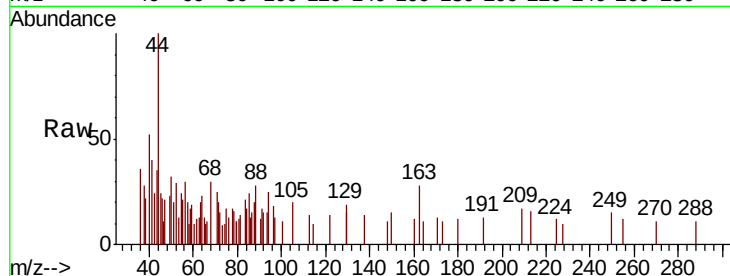
Tot Ion: 88 Resp: 182

Ion Ratio Lower Upper

88 100

43 194.0 22.2 33.4#

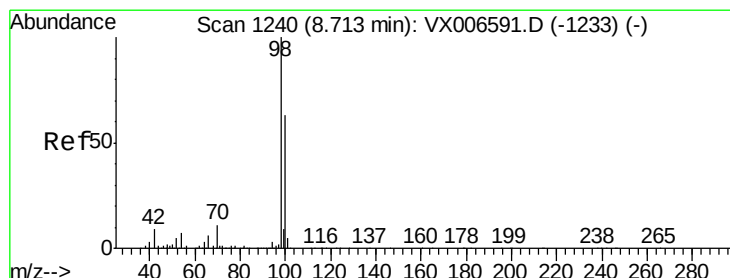
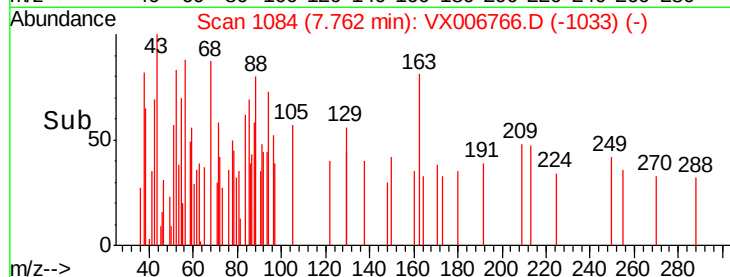
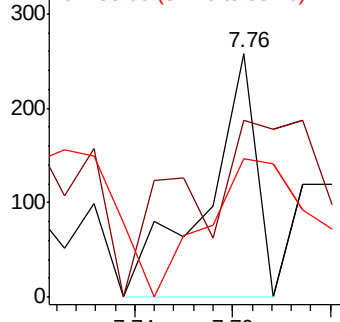
58 119.2 51.0 76.4#



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: 49.215 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006766.D

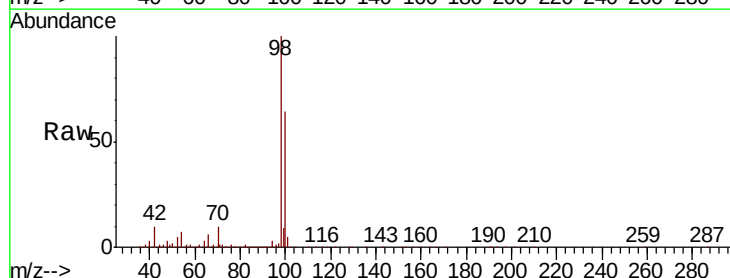
Acq: 22 Dec 2018 12:36

Tgt Ion: 98 Resp: 1174537

Ion Ratio Lower Upper

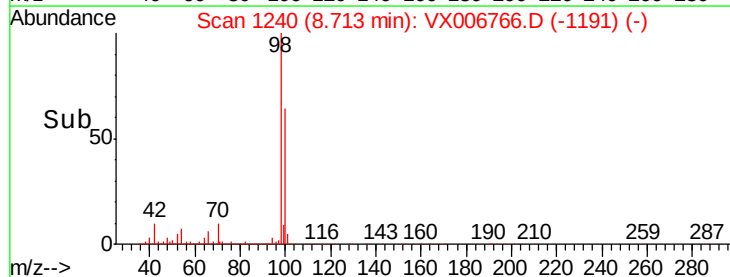
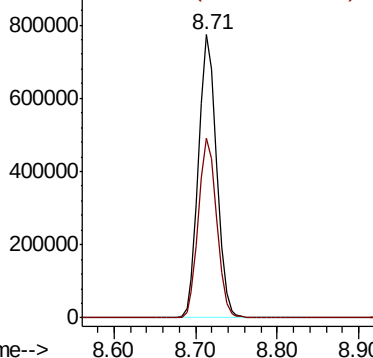
98 100

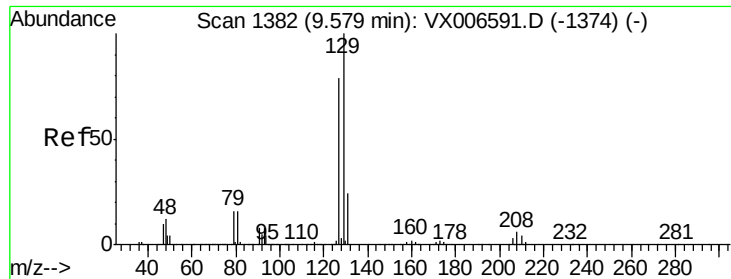
100 64.2 52.0 78.0



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: 9.58 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

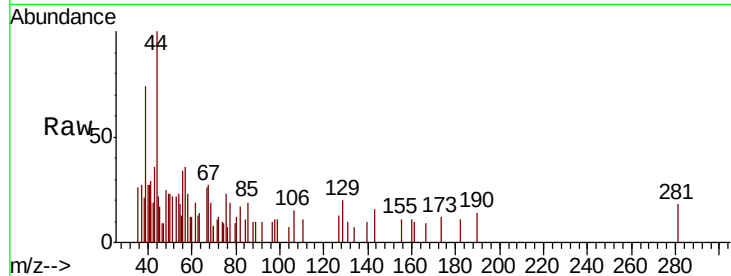
ClientSampleId :

Tot Ion:129 Resp: 103

Ion Ratio Lower Upper

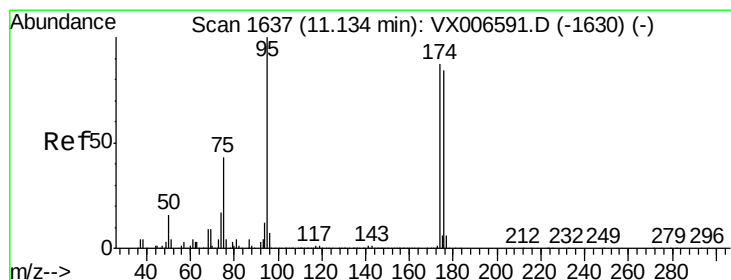
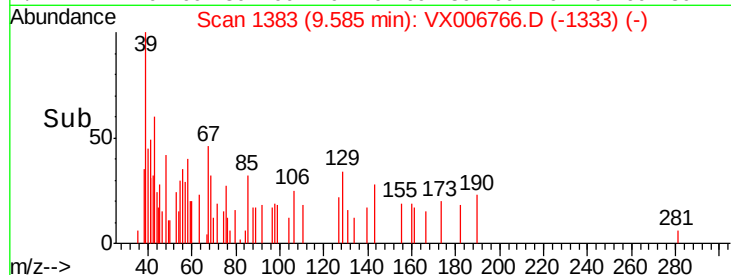
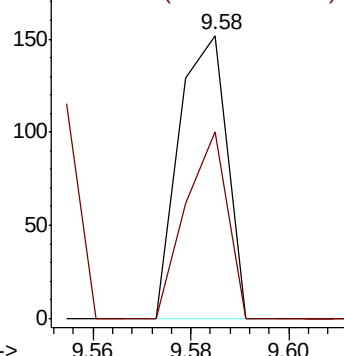
129 100

127 57.3 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: 46.748 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

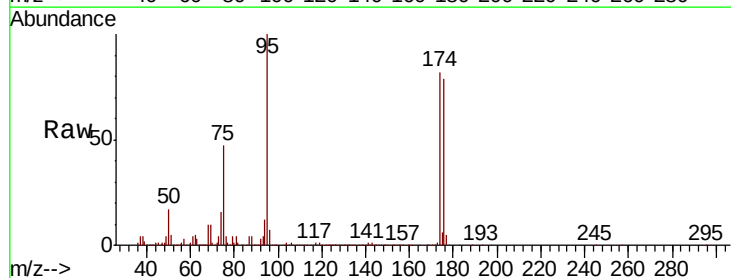
Tgt Ion: 95 Resp: 408602

Ion Ratio Lower Upper

95 100

174 88.3 0.0 182.2

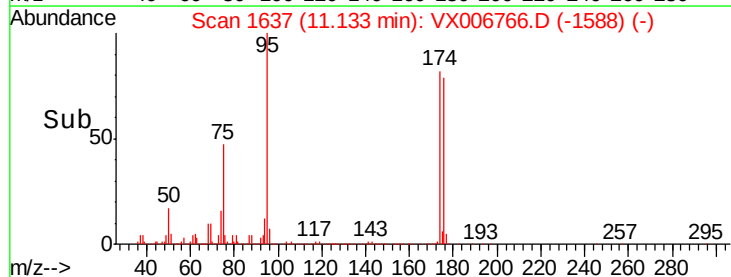
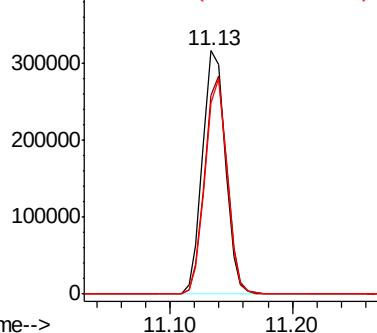
176 85.4 0.0 178.8

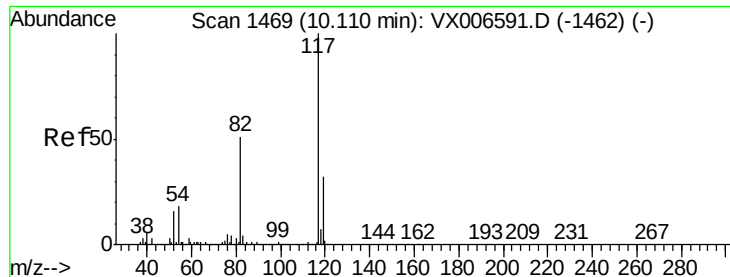


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

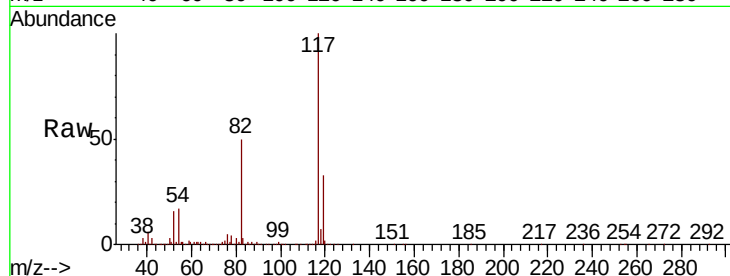
Tot Ion:117 Resp: 904824

Ion Ratio Lower Upper

117 100

82 49.9 41.0 61.6

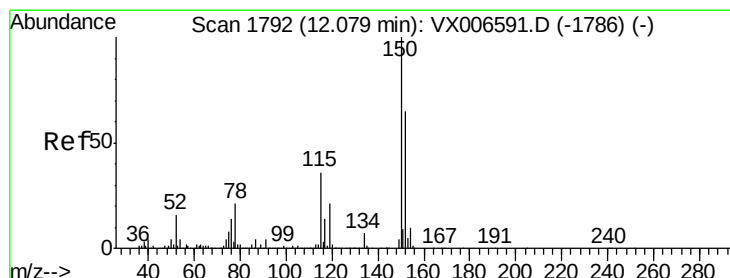
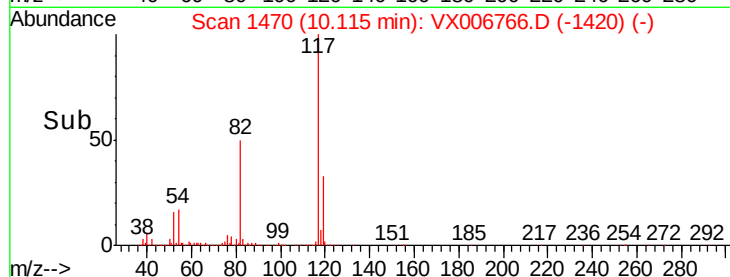
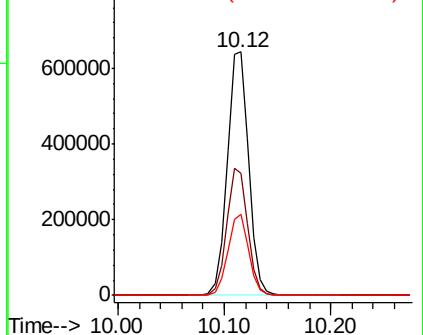
119 33.5 25.4 38.0



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: VX006766.D

Acq: 22 Dec 2018 12:36

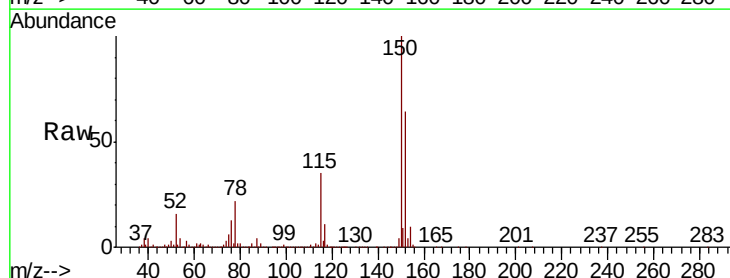
Tgt Ion:152 Resp: 419150

Ion Ratio Lower Upper

152 100

115 55.9 39.1 117.2

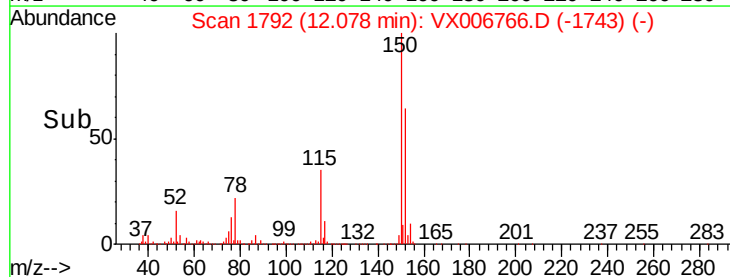
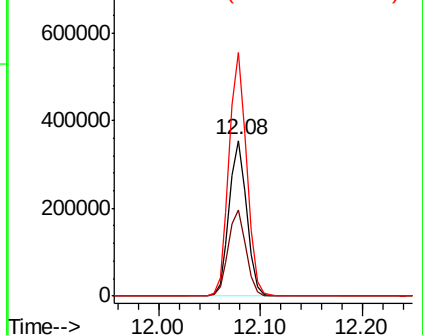
150 156.4 0.0 344.8

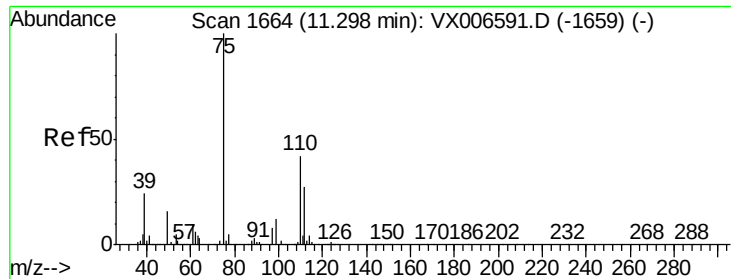


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.522 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

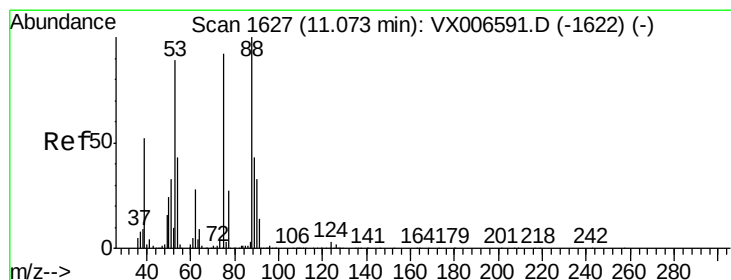
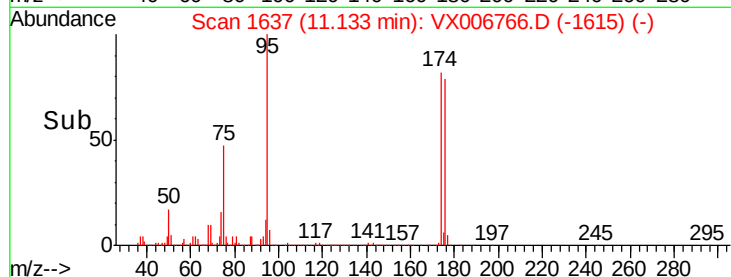
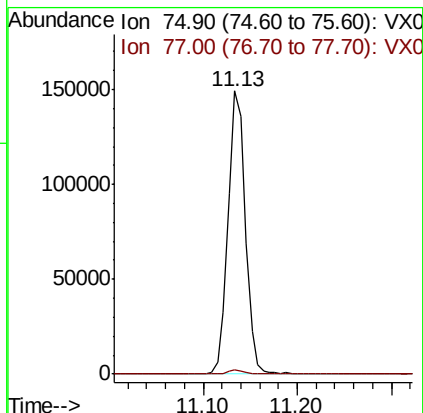
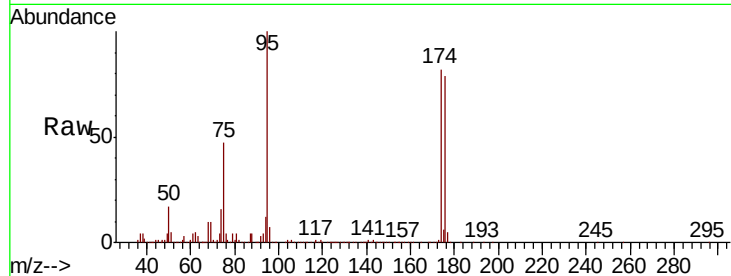
ClientSampleId :

Tot Ion: 75 Resp: 191019

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.544 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

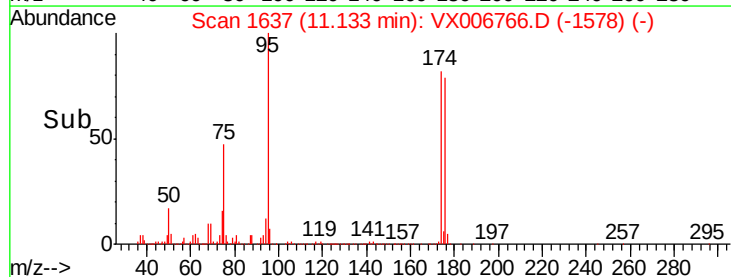
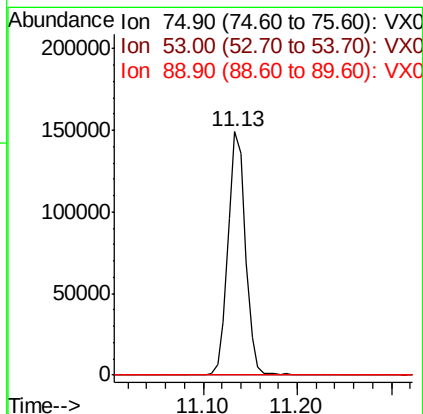
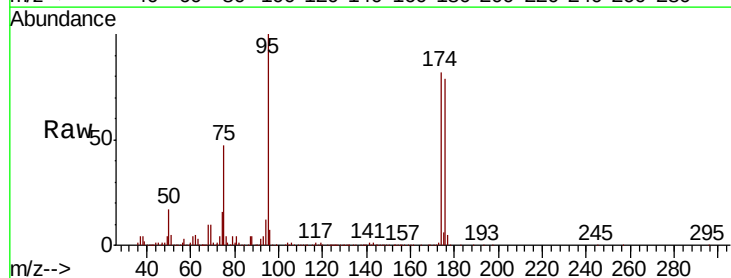
Tgt Ion: 75 Resp: 191019

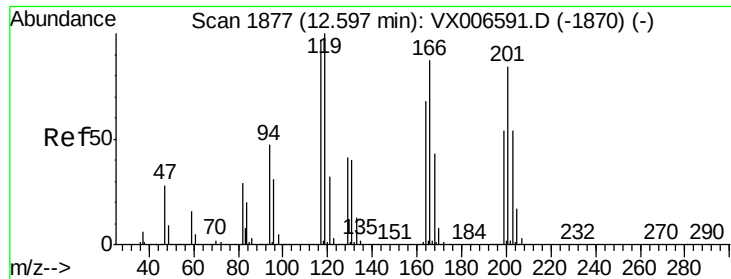
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.313 ug/l

RT: 12.52 min Scan# 1865

Delta R.T. -0.07 min

Lab File: VX006766.D

Acq: 22 Dec 2018 12:36

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 86

Ion Ratio Lower Upper

117 100

201 52.3 42.9 128.7

