

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003190.D
 Acq On : 06 Jul 2018 00:07
 Operator : JC/MD
 Sample : VX0705WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBL02

Quant Time: Jul 06 03:27:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	399910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209135	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	180836	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
35) Dibromofluoromethane	5.51	113	152526	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.72	98	555131	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.14	95	194669	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	

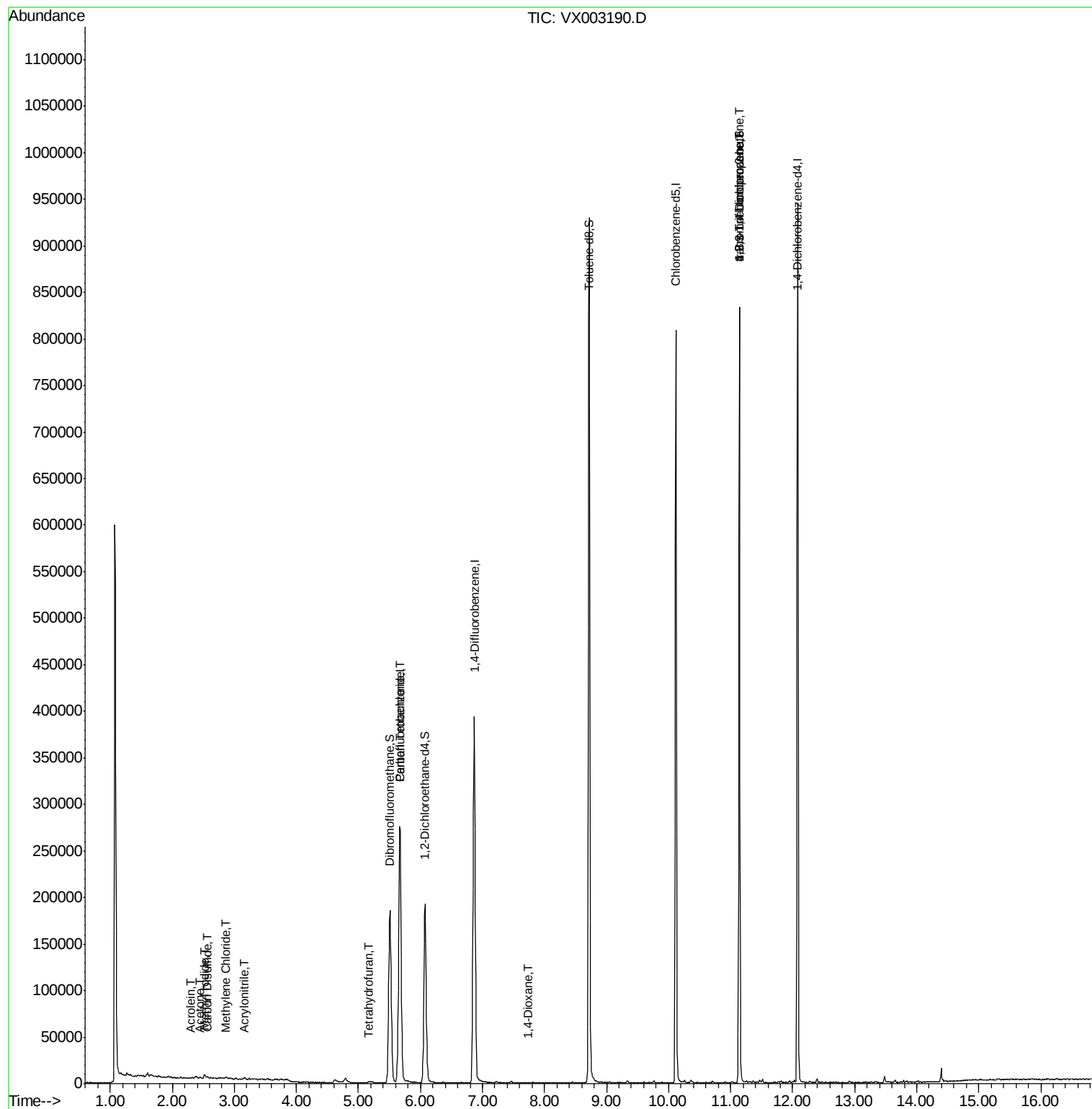
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	192	Below Cal		81
3) Chloromethane	1.33	50	784	Below Cal		94
5) Bromomethane	1.65	94	1657	Below Cal	#	74
6) Chloroethane	1.71	64	642	Below Cal	#	57
10) Methyl Iodide	2.52	142	3915	7.30	ug/l #	98
13) Acrolein	2.29	56	135	4.53	ug/l #	70
15) Acrylonitrile	3.15	53	464	0.28	ug/l #	48
16) Acetone	2.45	43	888	0.54	ug/l	96
17) Carbon Disulfide	2.57	76	2049	0.27	ug/l #	95
20) Methylene Chloride	2.85	84	724	0.23	ug/l #	94
29) Tetrahydrofuran	5.17	42	1045	0.67	ug/l #	36
38) Carbon Tetrachloride	5.67	117	25440	5.29	ug/l #	15
49) 1,4-Dioxane	7.74	88	20	0.25	ug/l #	56
76) 1,2,3-Trichloropropane	11.14	75	97763	25.81	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	97763	73.20	ug/l #	7

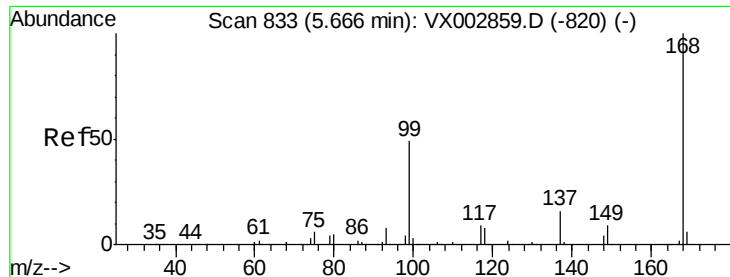
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

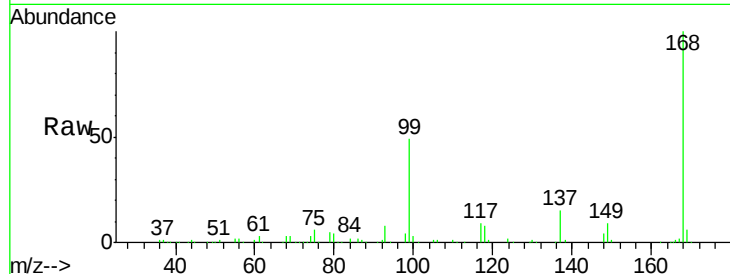
VX0705WBL02

Tot Ion:168 Resp: 284879

Ion Ratio Lower Upper

168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

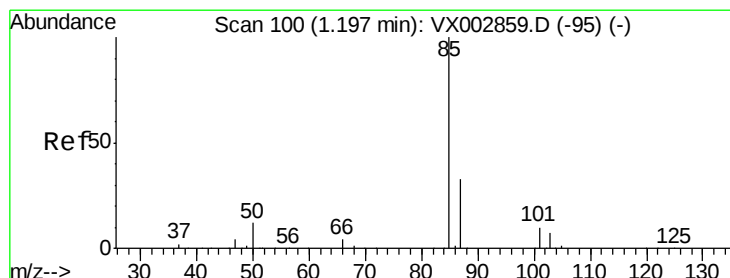
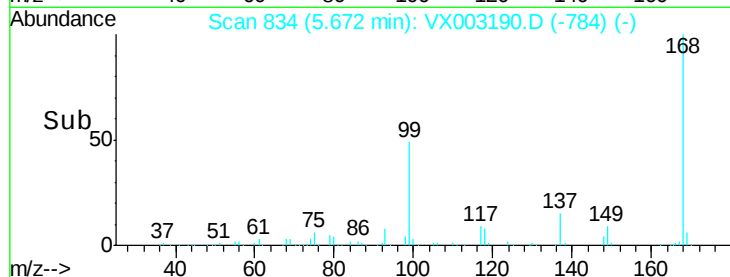
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003190.D

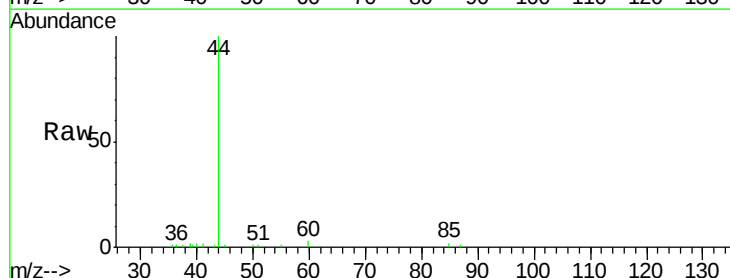
Acq: 06 Jul 2018 00:07

Tgt Ion: 85 Resp: 192

Ion Ratio Lower Upper

85 100

87 42.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

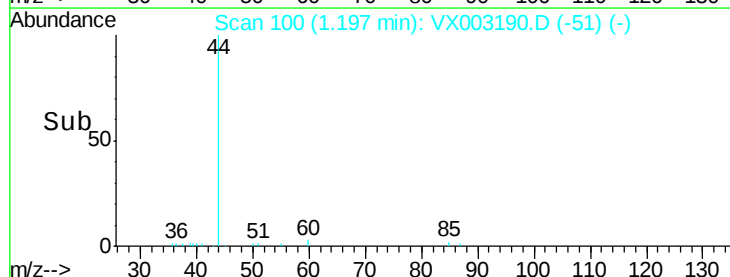
150

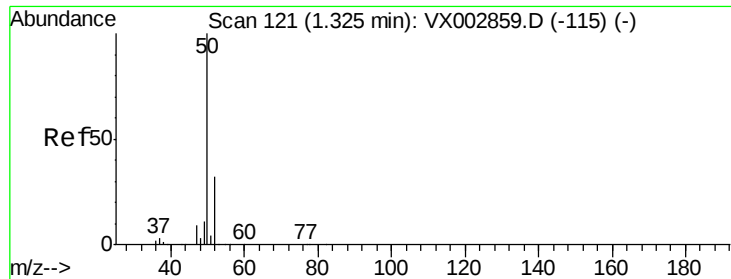
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

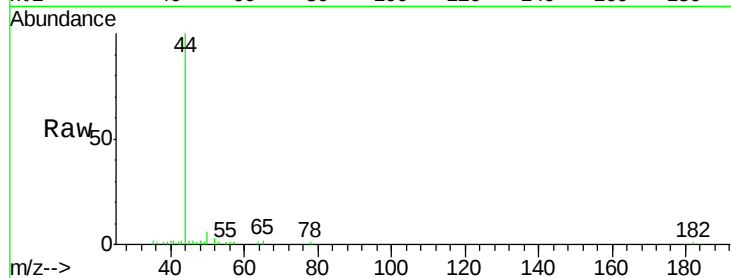
VX0705WBL02

Tot Ion: 50 Resp: 784

Ion Ratio Lower Upper

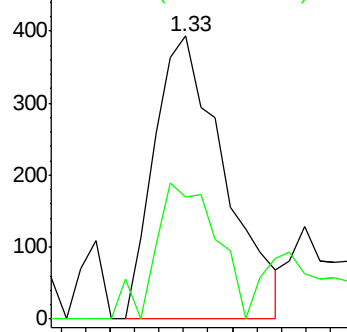
50 100

52 28.8 25.7 38.5

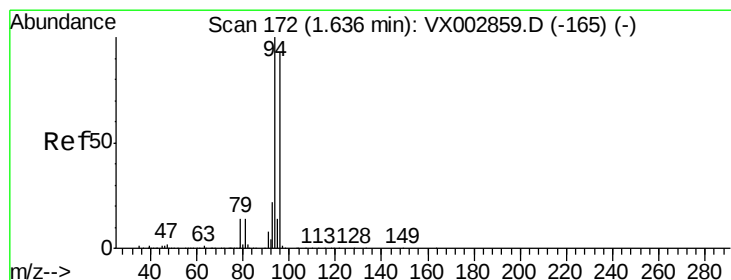
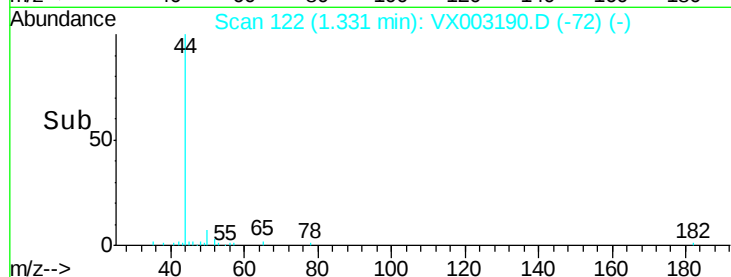


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003190.D

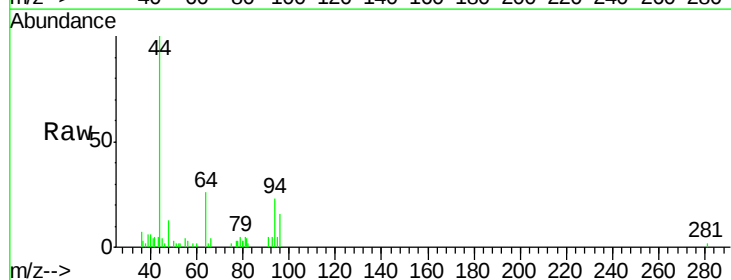
Acq: 06 Jul 2018 00:07

Tgt Ion: 94 Resp: 1657

Ion Ratio Lower Upper

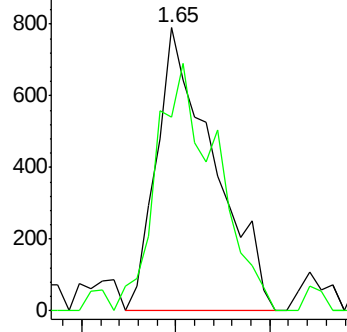
94 100

96 68.2 74.9 112.3#

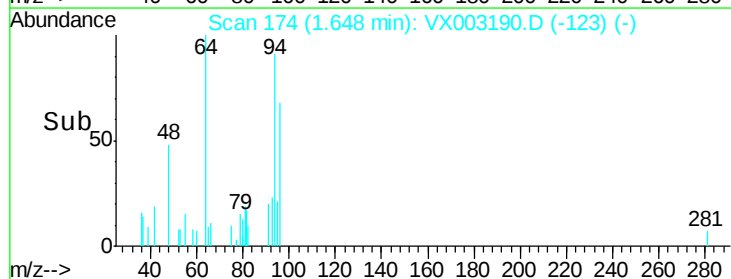


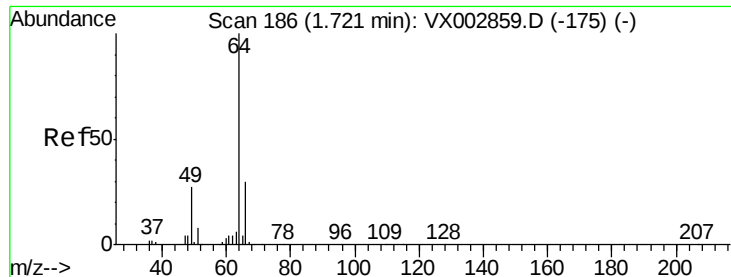
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

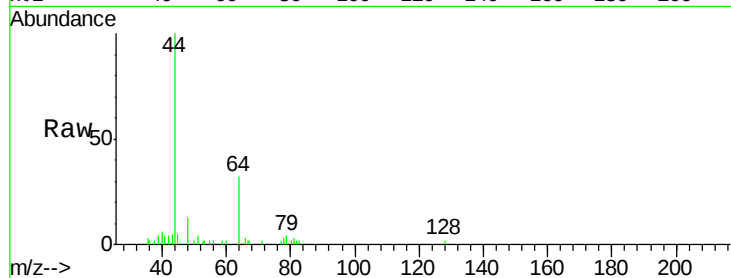
VX0705WBL02

Tot Ion: 64 Resp: 642

Ion Ratio Lower Upper

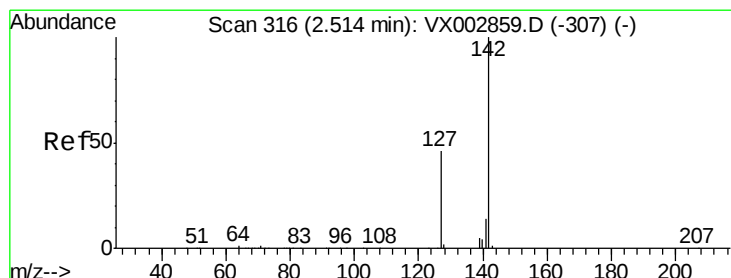
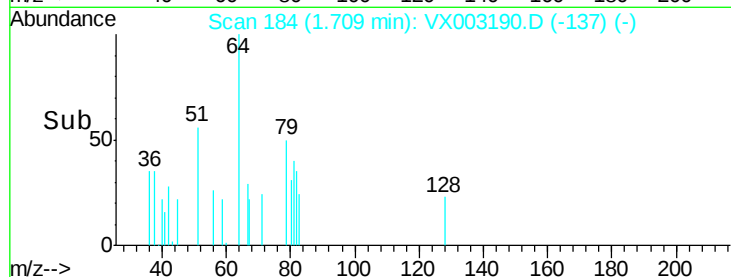
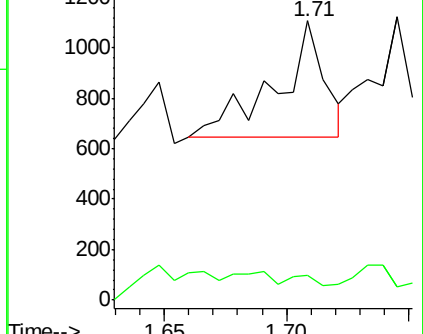
64 100

66 7.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.30 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

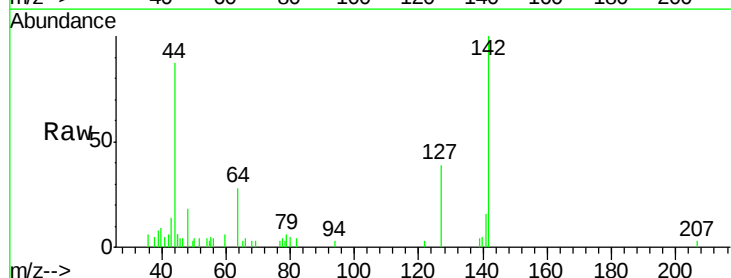
Tgt Ion: 142 Resp: 3915

Ion Ratio Lower Upper

142 100

127 46.1 36.6 55.0

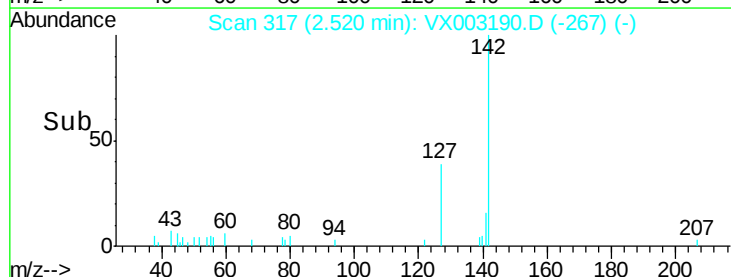
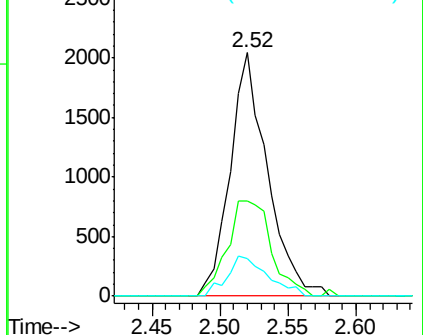
141 17.7 11.3 16.9#

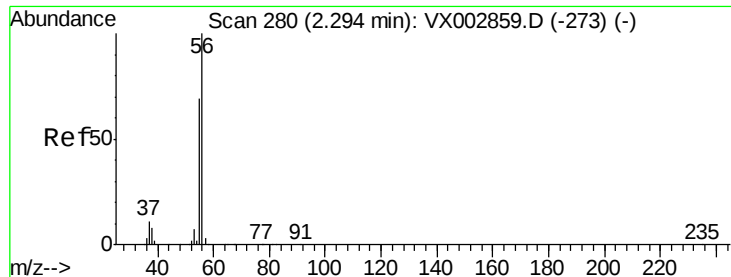


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 4.53 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

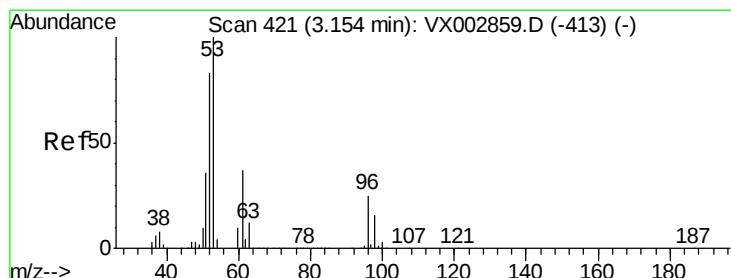
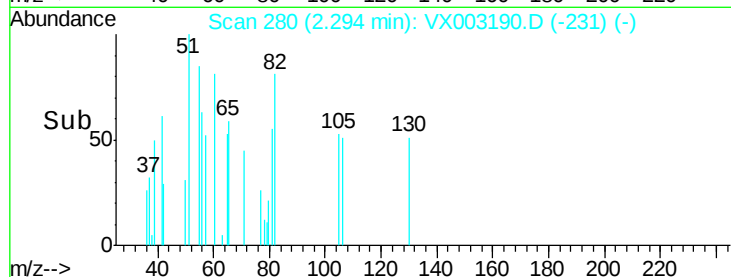
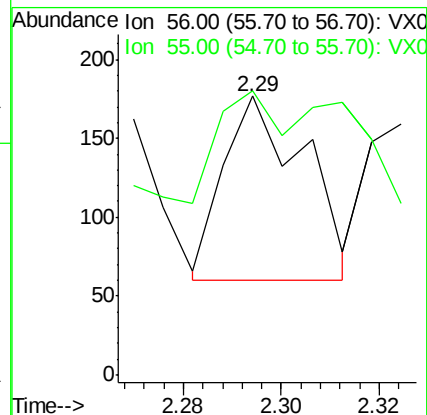
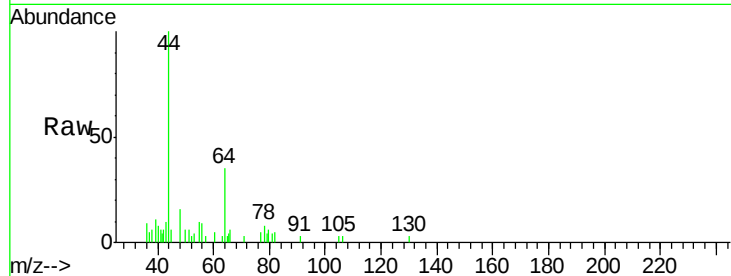
VX0705WBL02

Tot Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 46.7 57.0 85.4#



#15

Acrylonitrile

Concen: 0.28 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

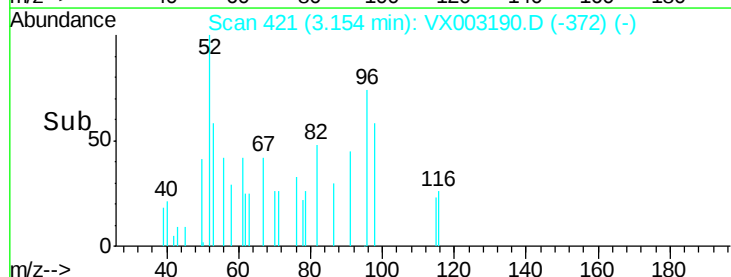
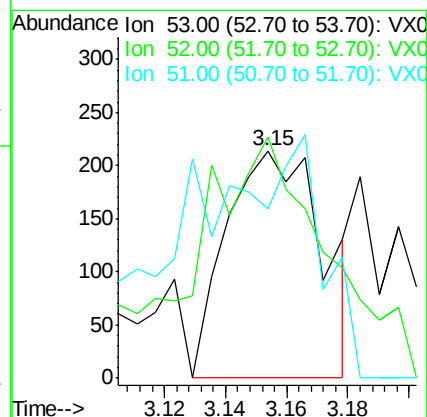
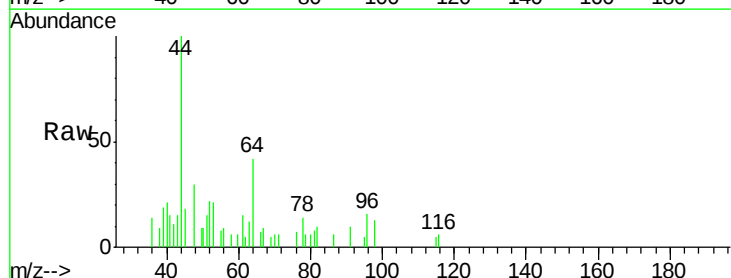
Tgt Ion: 53 Resp: 464

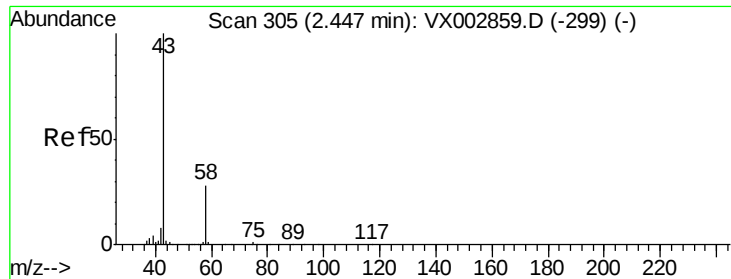
Ion Ratio Lower Upper

53 100

52 126.5 66.7 100.1#

51 0.0 29.9 44.9#

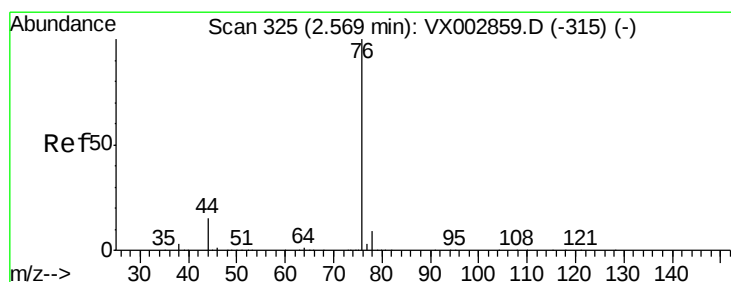
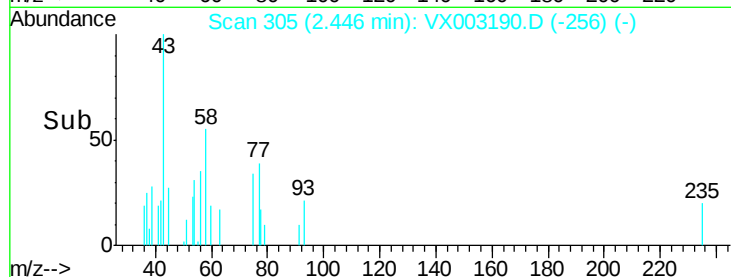
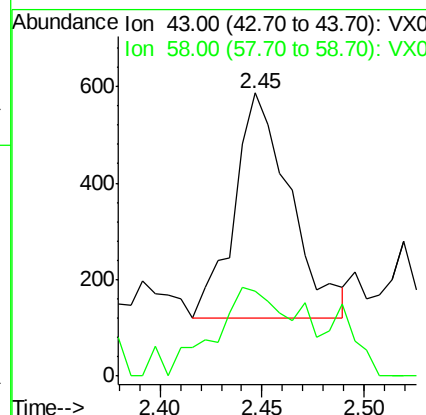
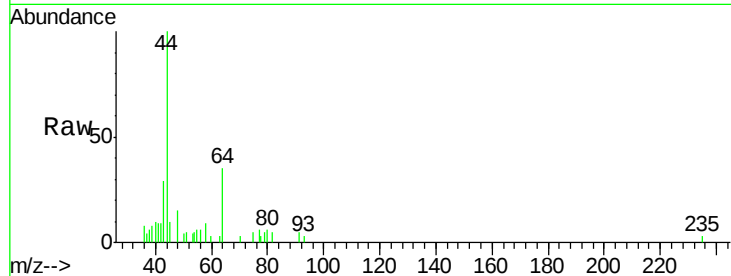




#16
Acetone
Concen: 0.54 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

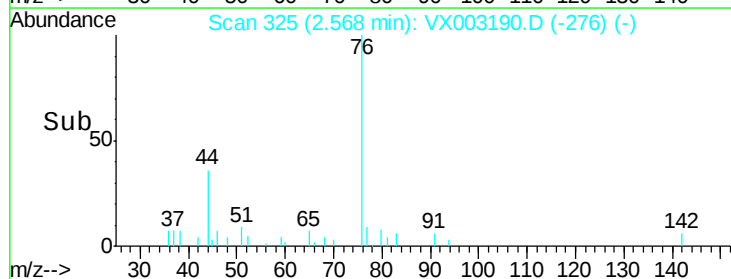
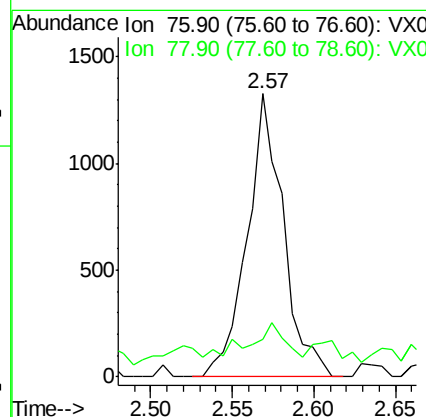
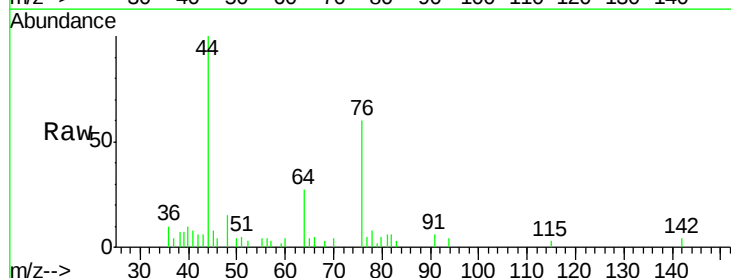
Instrument :
MSVOA_X
ClientSampleId :
VX0705WBL02

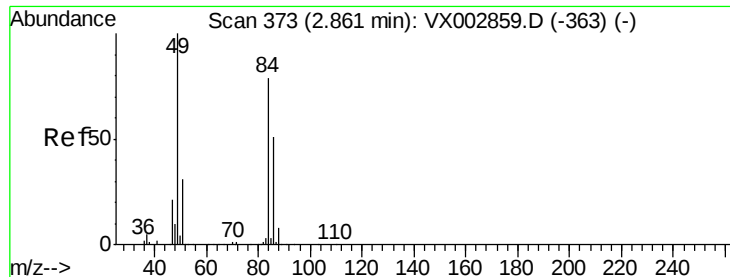
Tot Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 25.3 22.1 33.1



#17
Carbon Disulfide
Concen: 0.27 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

Tgt Ion: 76 Resp: 2049
Ion Ratio Lower Upper
76 100
78 6.8 6.9 10.3#

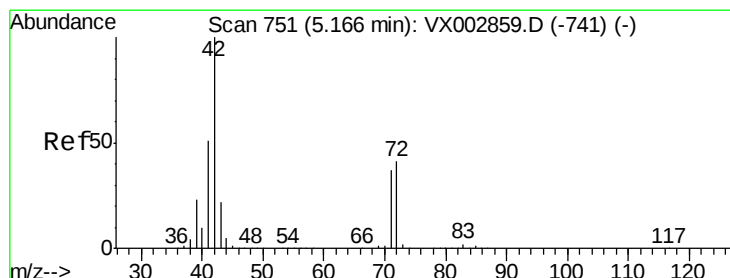
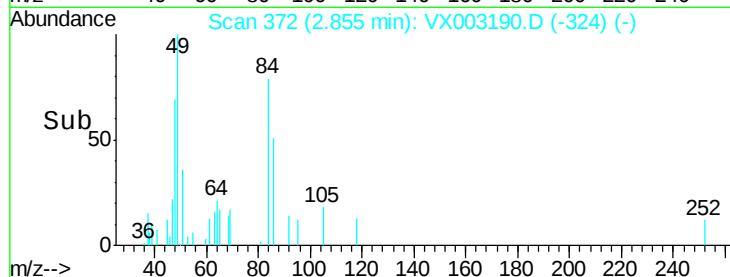
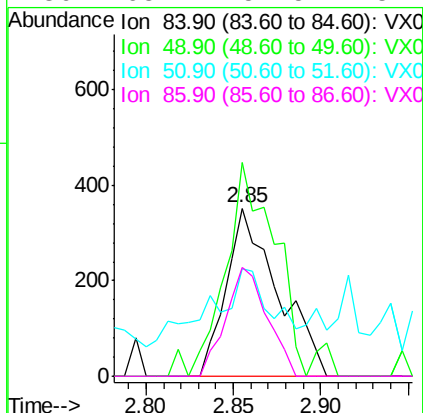
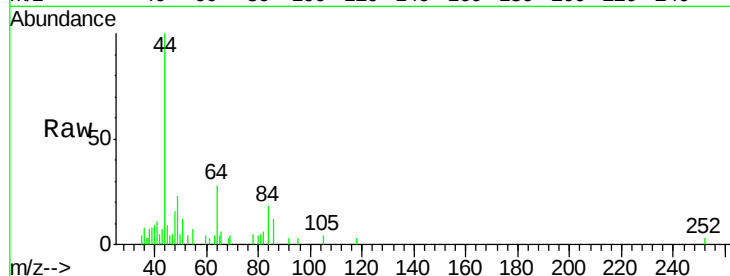




#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

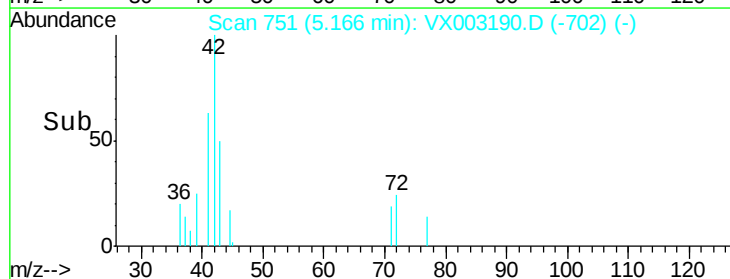
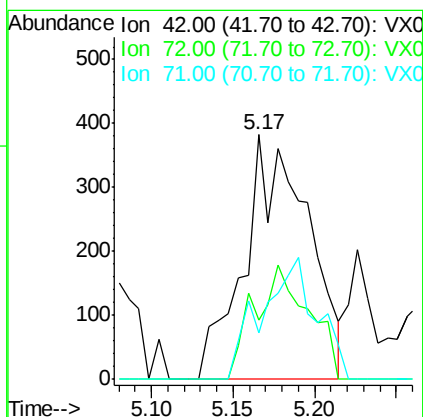
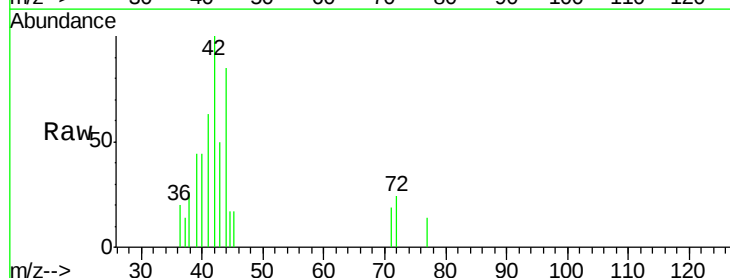
Instrument :
MSVOA_X
ClientSampleId :
VX0705WBL02

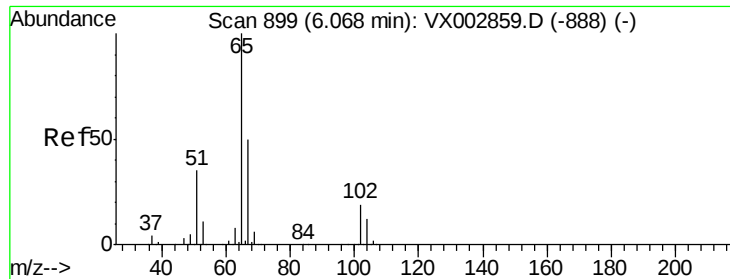
Tot Ion: 84 Resp: 724
Ion Ratio Lower Upper
84 100
49 127.0 107.8 161.6
51 31.2 32.8 49.2#
86 65.1 52.5 78.7



#29
Tetrahydrofuran
Concen: 0.67 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

Tgt Ion: 42 Resp: 1045
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.1 45.1#

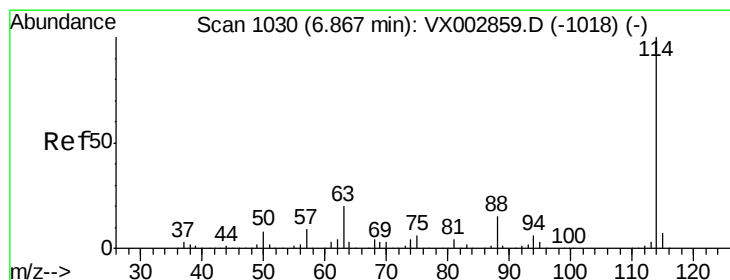
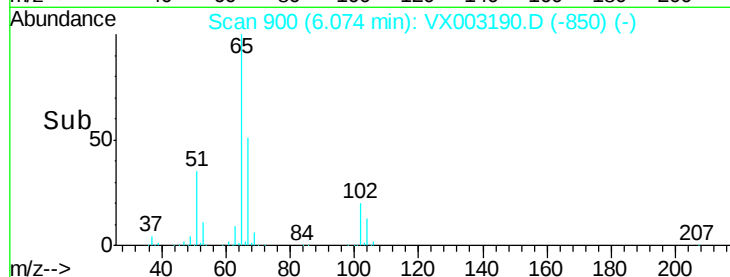
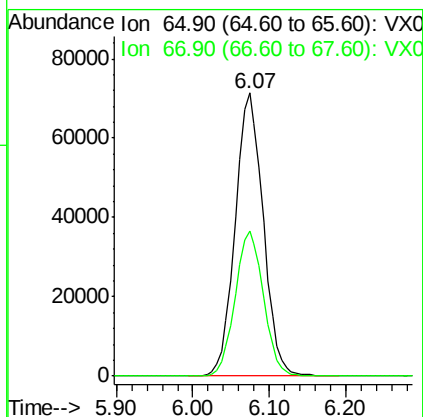
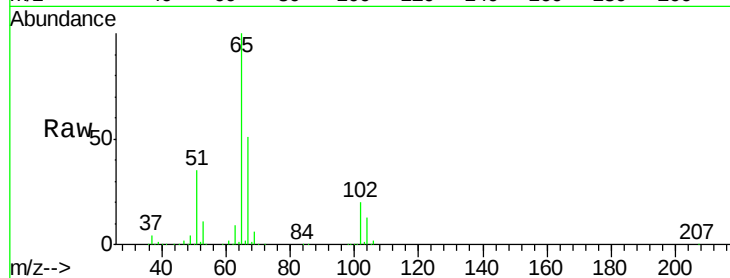




#33
 1,2-Dichloroethane-d4
 Concen: 45.93 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003190.D
 Acq: 06 Jul 2018 00:07

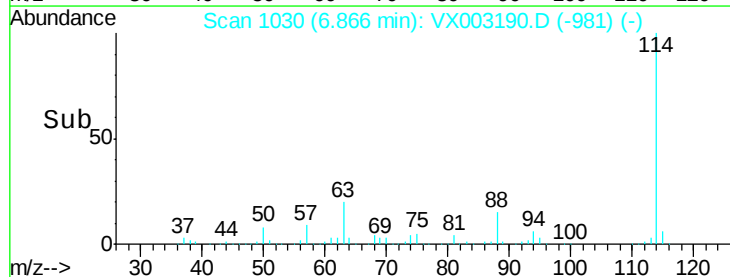
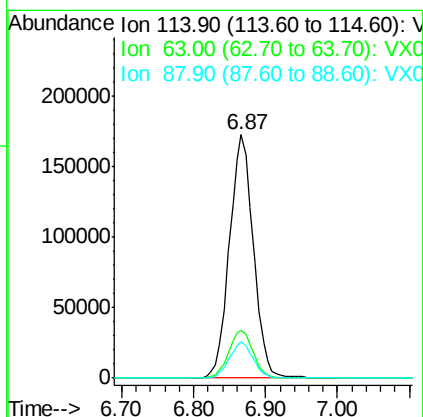
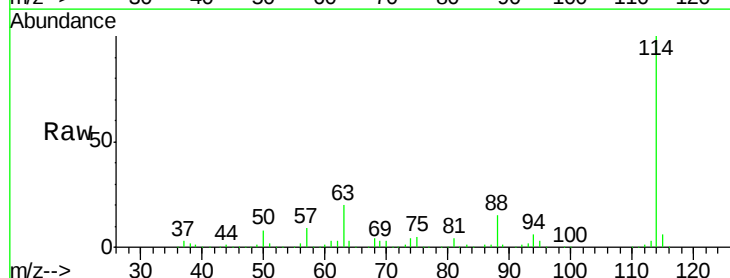
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBL02

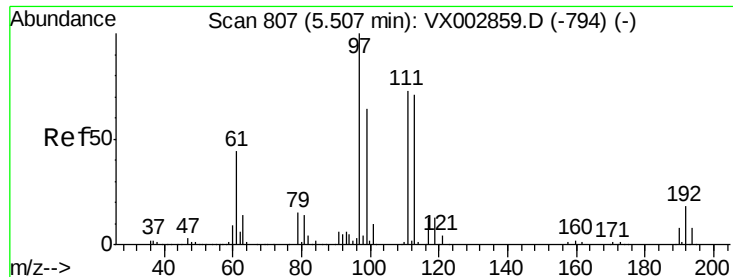
Tot Ion: 65 Resp: 180836
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003190.D
 Acq: 06 Jul 2018 00:07

Tgt Ion: 114 Resp: 399910
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 14.6 0.0 30.0

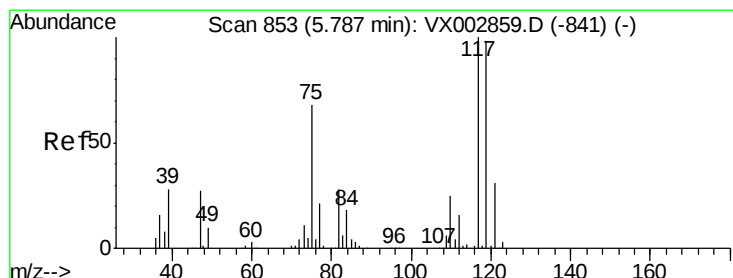
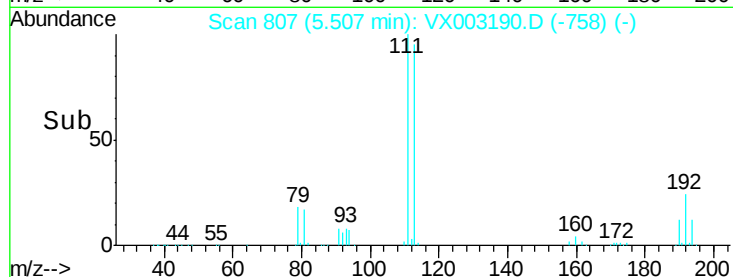
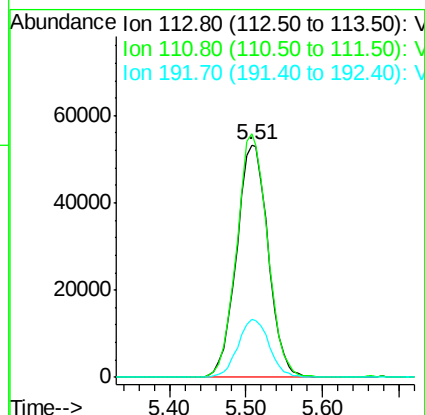
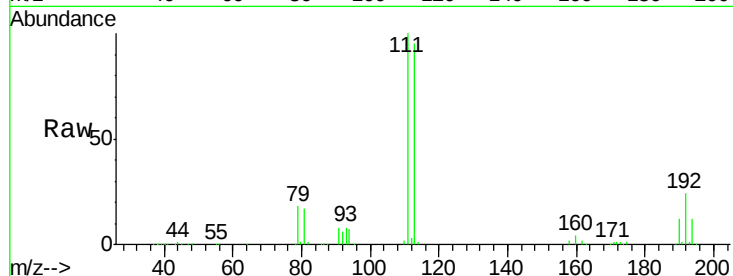




#35
Dibromofluoromethane
Concen: 48.16 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

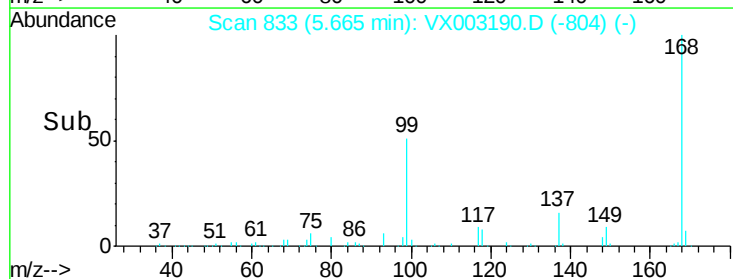
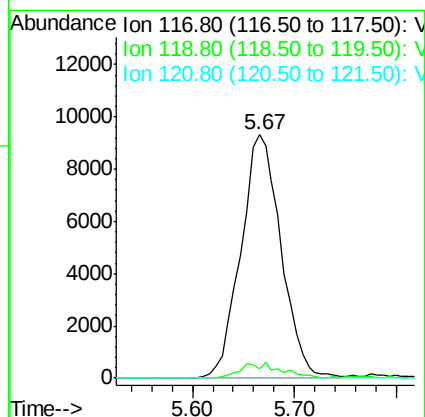
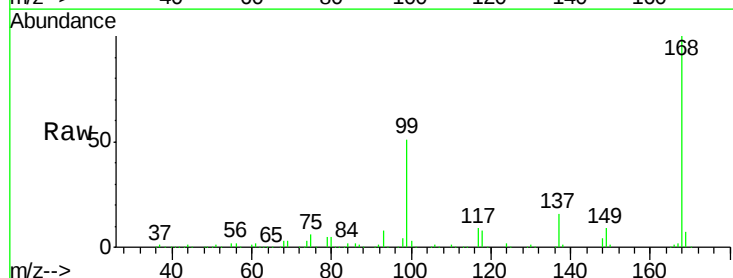
Instrument :
MSVOA_X
ClientSampleId :
VX0705WBL02

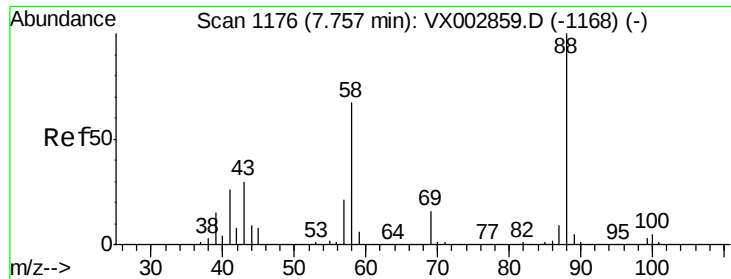
Tot Ion:113 Resp: 152526
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 24.6 19.1 28.7



#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003190.D
Acq: 06 Jul 2018 00:07

Tgt Ion:117 Resp: 25440
Ion Ratio Lower Upper
117 100
119 4.1 77.4 116.0#
121 0.0 24.4 36.6#

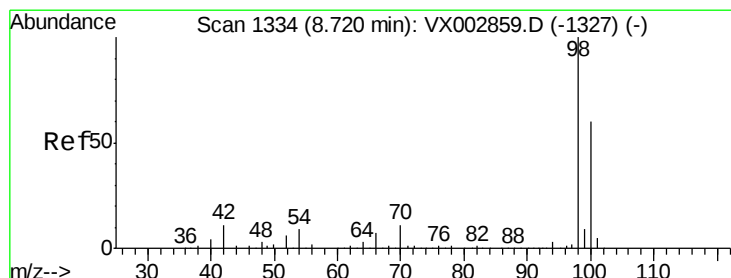
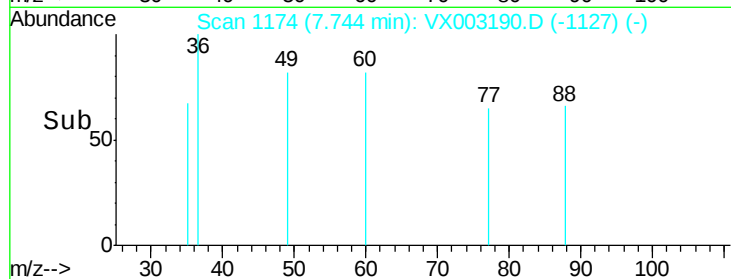
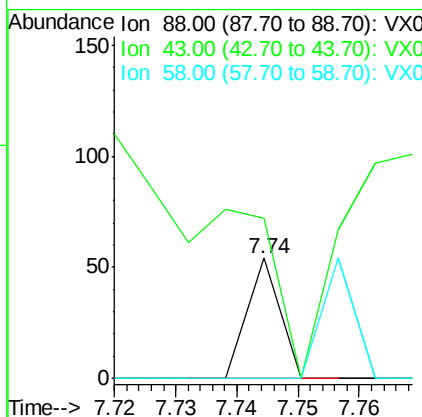
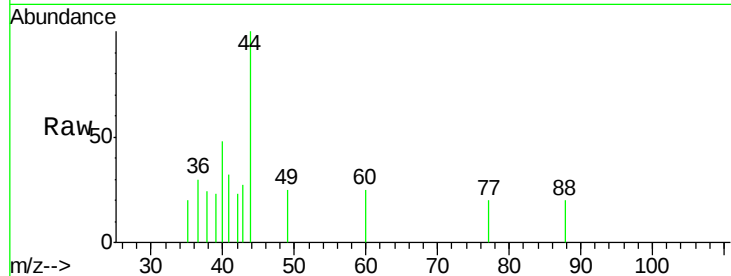




#49
 1,4-Dioxane
 Concen: 0.25 ug/l
 RT: 7.74 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX003190.D
 Acq: 06 Jul 2018 00:07

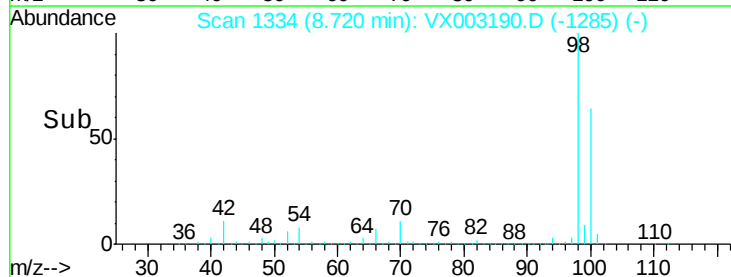
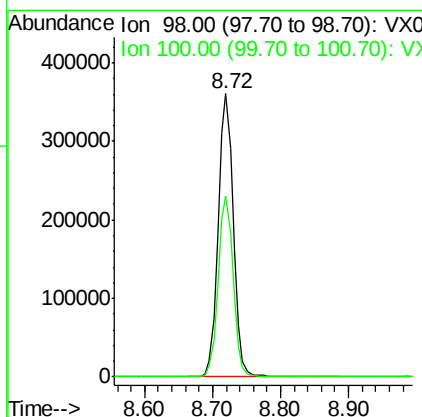
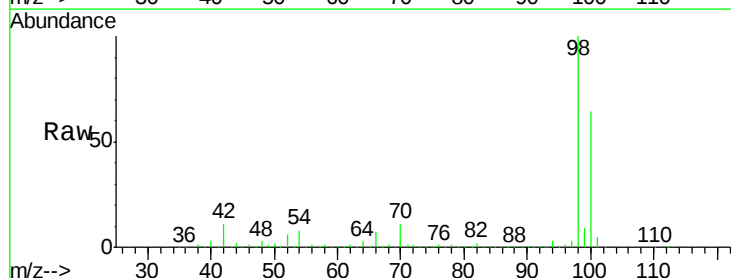
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBL02

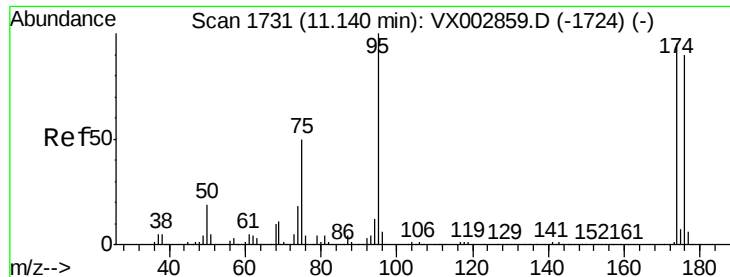
Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.8 44.6#
 58 100.0 57.1 85.7#



#50
 Toluene-d8
 Concen: 48.00 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003190.D
 Acq: 06 Jul 2018 00:07

Tgt Ion: 98 Resp: 555131
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 43.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBL02

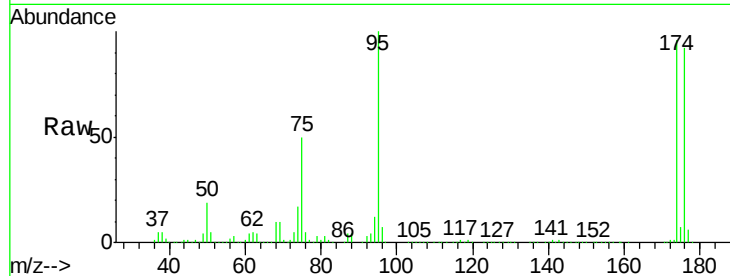
Tot Ion: 95 Resp: 194669

Ion Ratio Lower Upper

95 100

174 99.2 0.0 187.4

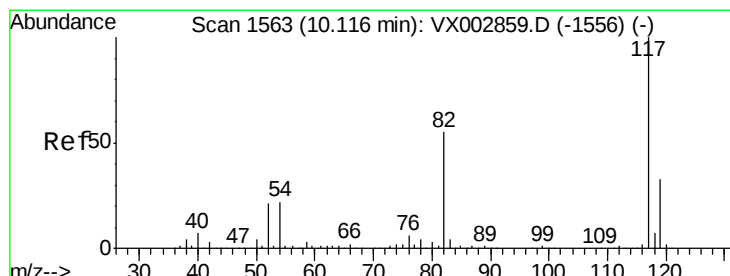
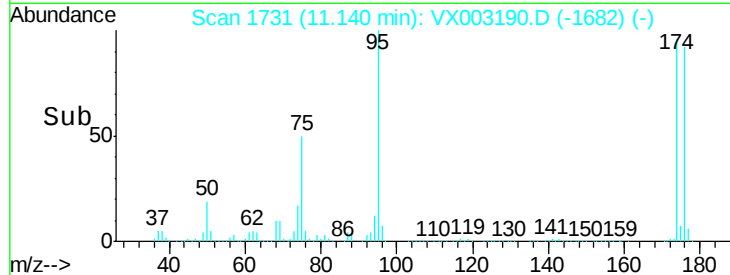
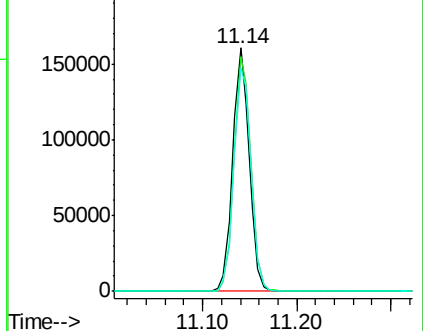
176 95.6 0.0 181.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

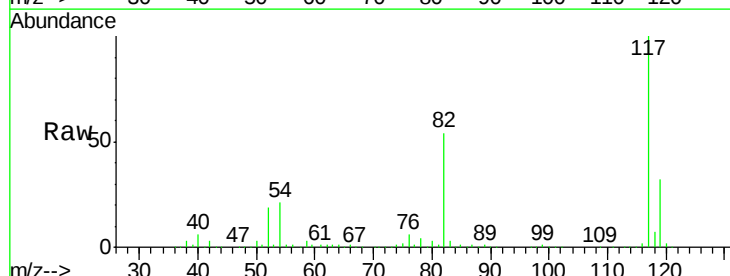
Tgt Ion: 117 Resp: 368786

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.4

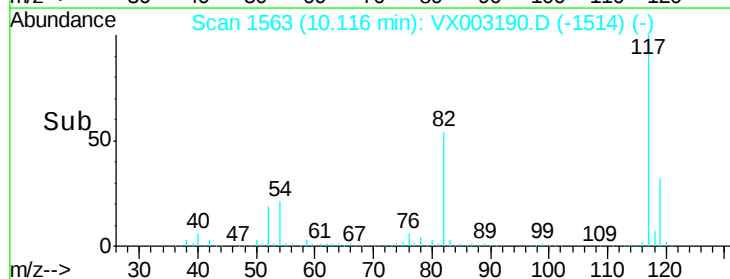
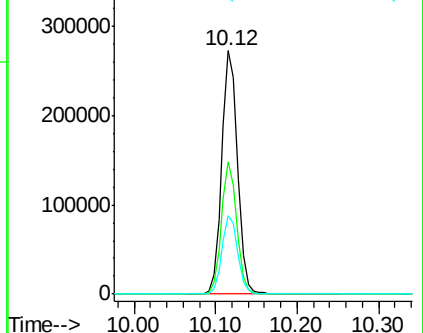
119 32.4 25.8 38.6

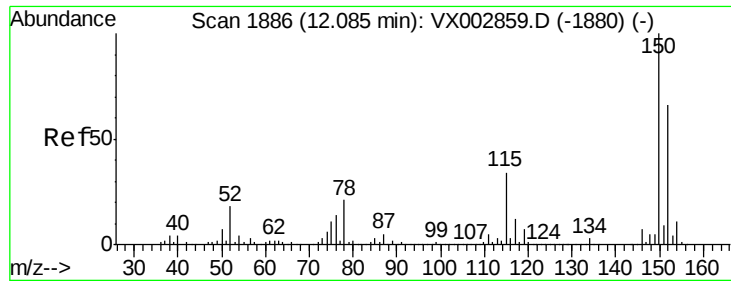


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBL02

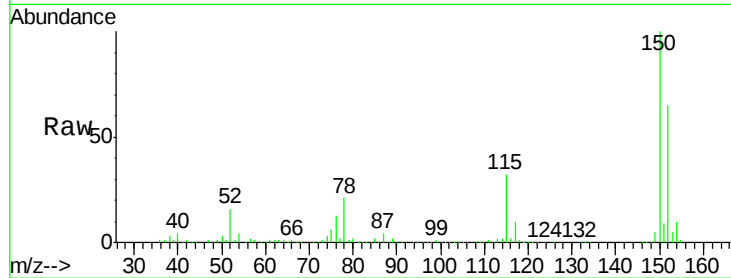
Tot Ion:152 Resp: 209135

Ion Ratio Lower Upper

152 100

115 53.5 40.1 120.2

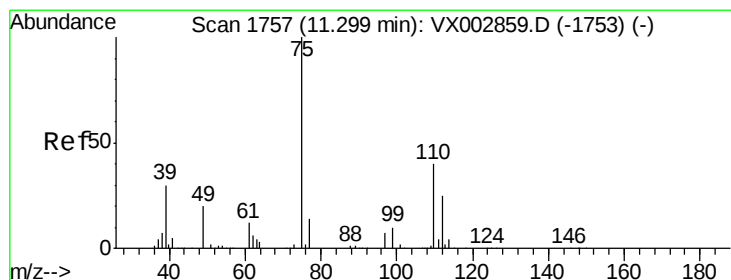
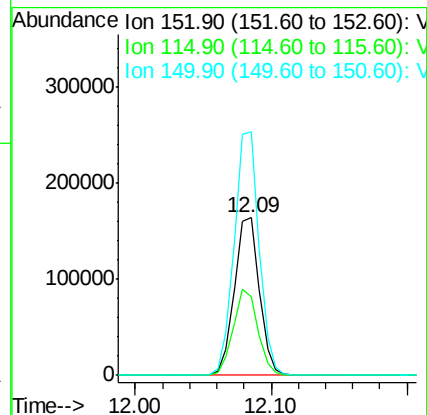
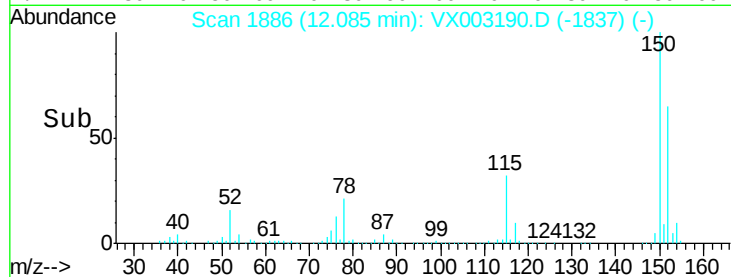
150 153.8 0.0 347.2



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: 25.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003190.D

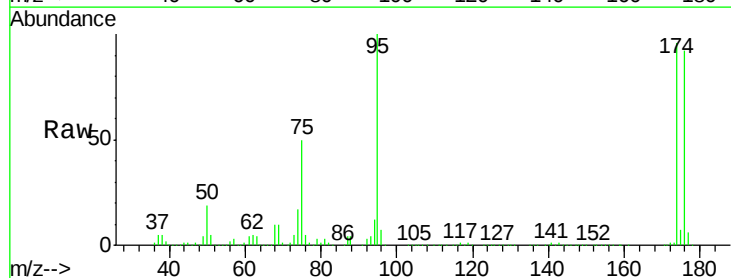
Acq: 06 Jul 2018 00:07

Tgt Ion: 75 Resp: 97763

Ion Ratio Lower Upper

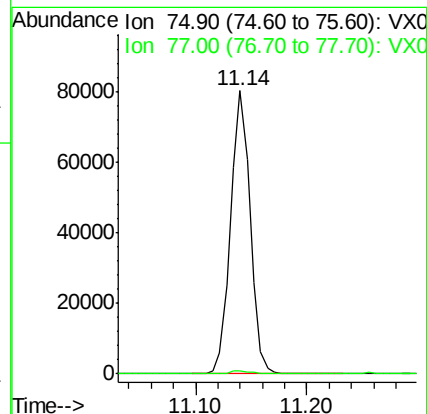
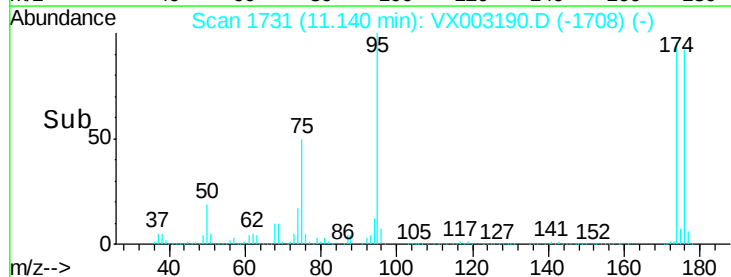
75 100

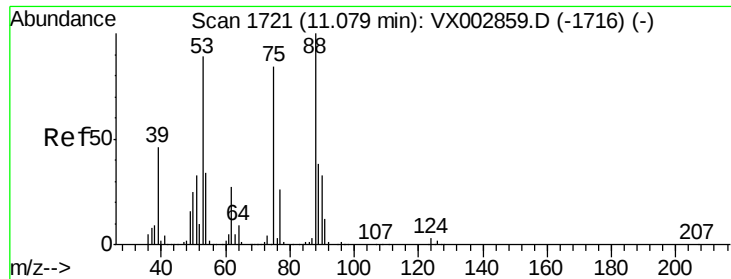
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003190.D

Acq: 06 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

VX0705WBL02

Tot Ion: 75 Resp: 97763

Ion Ratio Lower Upper

75 100

53 0.3 86.8 130.2#

89 0.0 38.2 57.2#

