

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002734.D
 Acq On : 20 Jun 2018 01:36
 Operator : JC/MD
 Sample : VX0619WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 07:02:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	222750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318050	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	168969	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	163243	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	5.51	113	127161	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	8.72	98	482466	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.14	95	169016	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

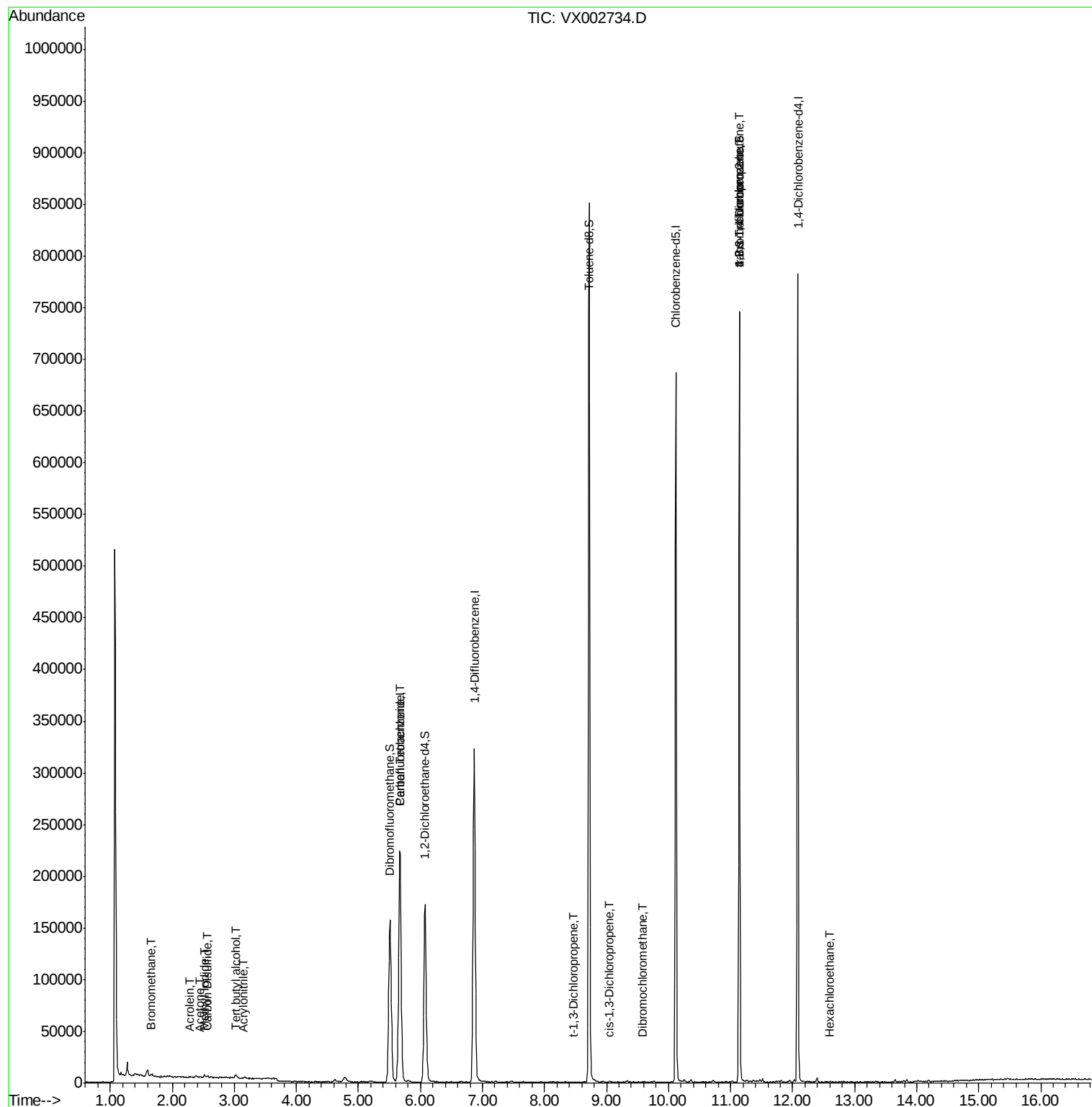
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1633	0.93	ug/l #	79
10) Methyl Iodide	2.52	142	2617	5.84	ug/l #	88
11) Tert butyl alcohol	3.02	59	1967	2.81	ug/l #	78
13) Acrolein	2.29	56	327	7.83	ug/l	96
15) Acrylonitrile	3.15	53	690	0.45	ug/l #	79
16) Acetone	2.45	43	1181	0.79	ug/l #	74
17) Carbon Disulfide	2.57	76	1876	0.32	ug/l	98
38) Carbon Tetrachloride	5.67	117	21063	6.26	ug/l #	15
53) t-1,3-Dichloropropene	8.46	75	178	2.43	ug/l #	43
54) cis-1,3-Dichloropropene	9.05	75	178	3.25	ug/l #	36
60) Dibromochloromethane	9.59	129	45	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	90809	28.48	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	90809	87.69	ug/l #	7
90) Hexachloroethane	12.60	117	70	2.67	ug/l #	1

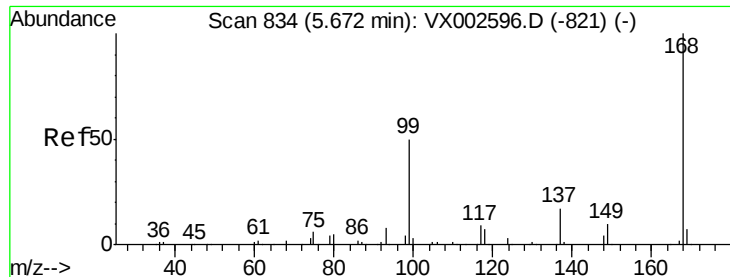
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

Instrument :

MSVOA_X

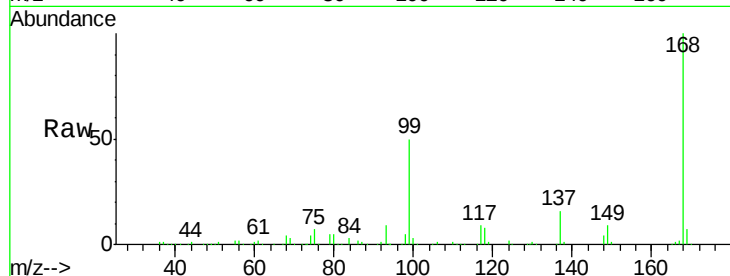
ClientSampled :

Tot Ion:168 Resp: 222750

Ion Ratio Lower Upper

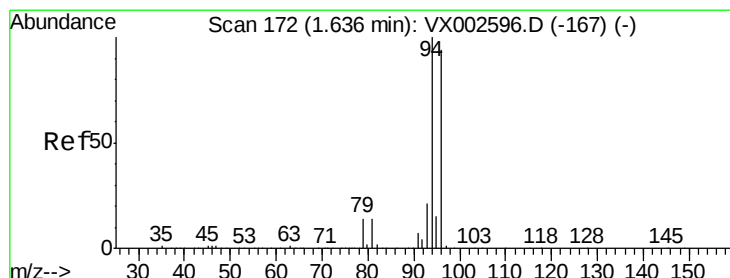
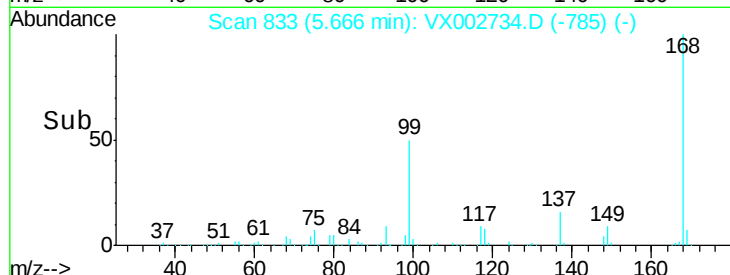
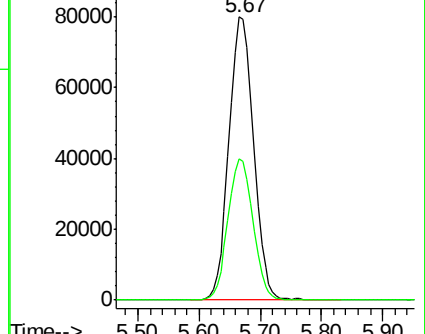
168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.93 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002734.D

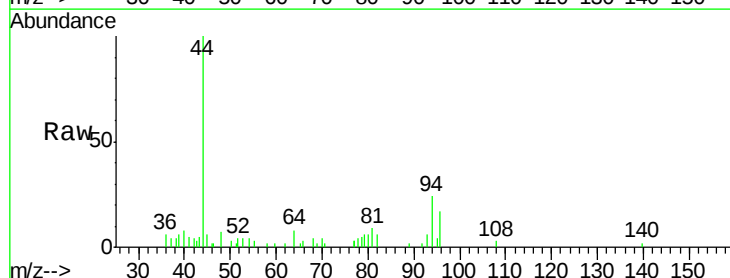
Acq: 20 Jun 2018 01:36

Tgt Ion: 94 Resp: 1633

Ion Ratio Lower Upper

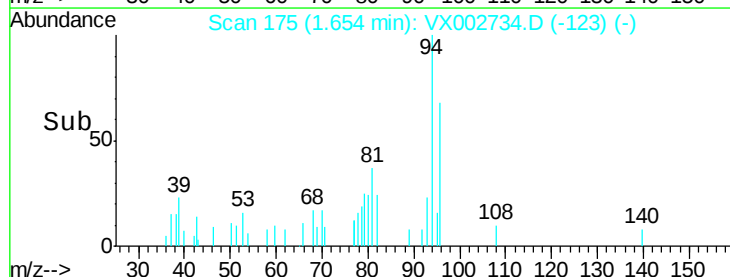
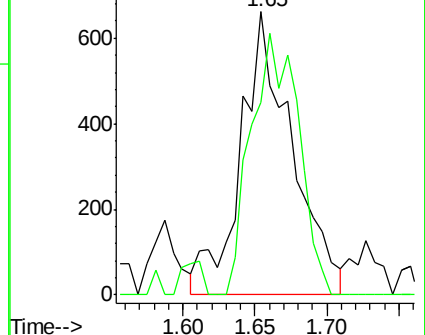
94 100

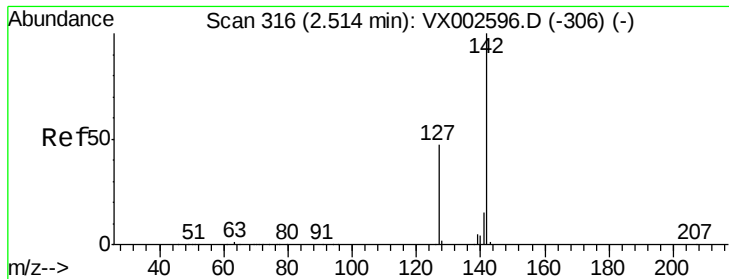
96 73.5 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 5.84 ug/l

RT: 2.52 min Scan# 317

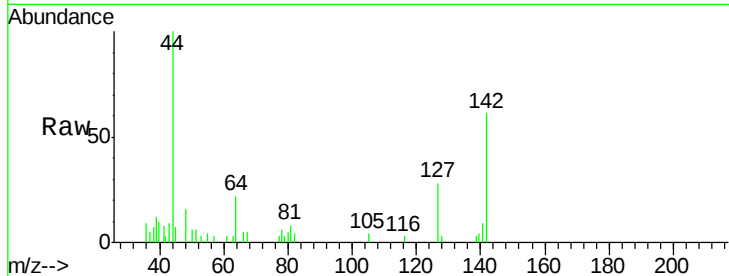
Delta R.T. 0.01 min

Lab File: VX002734.D

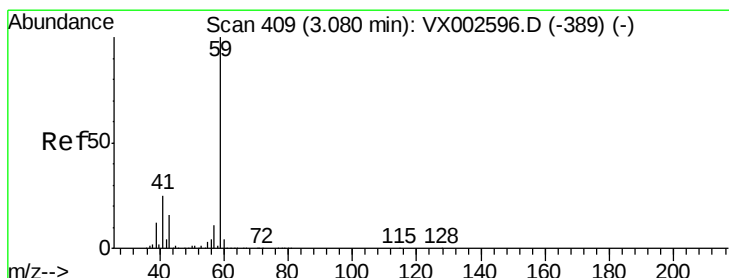
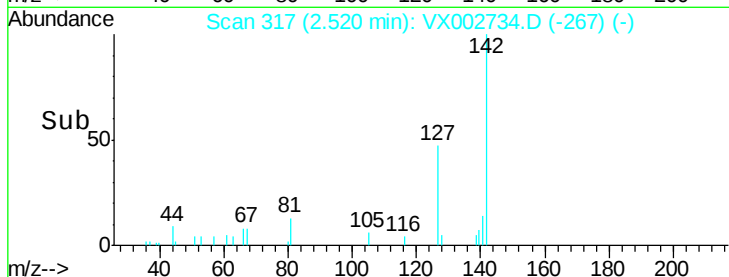
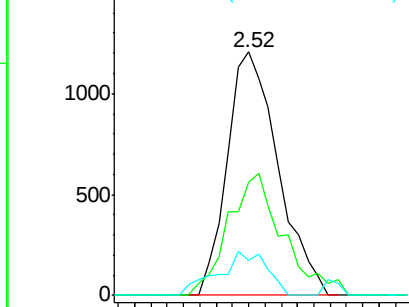
Acq: 20 Jun 2018 01:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 2617
Ion Ratio Lower Upper
142 100
127 54.2 36.6 55.0
141 17.3 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



#11

Tert butyl alcohol

Concen: 2.81 ug/l

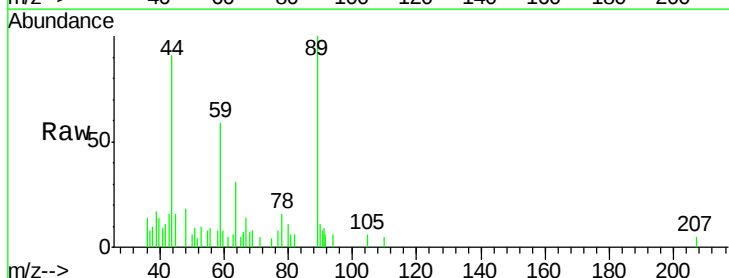
RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

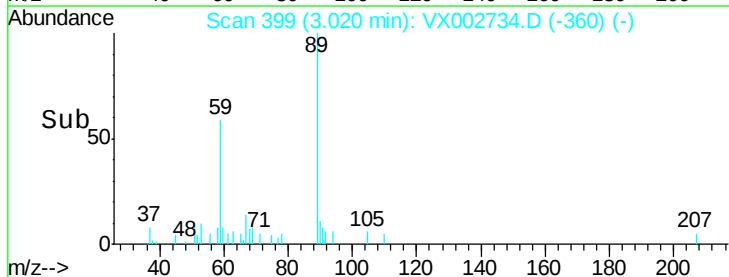
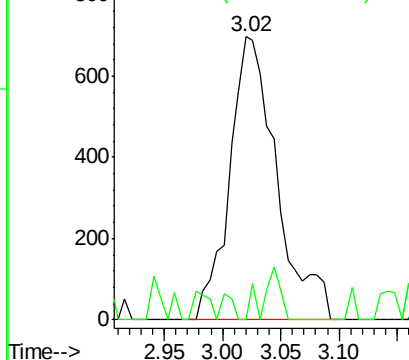
Lab File: VX002734.D

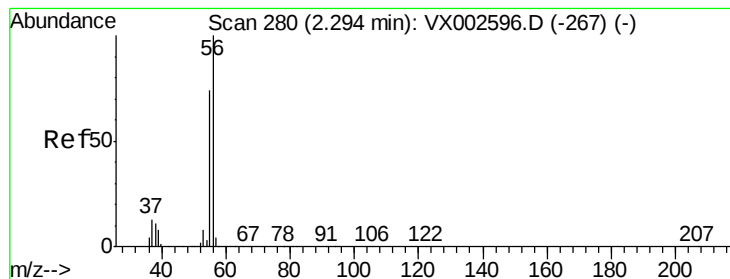
Acq: 20 Jun 2018 01:36

Tgt Ion: 59 Resp: 1967
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 7.83 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

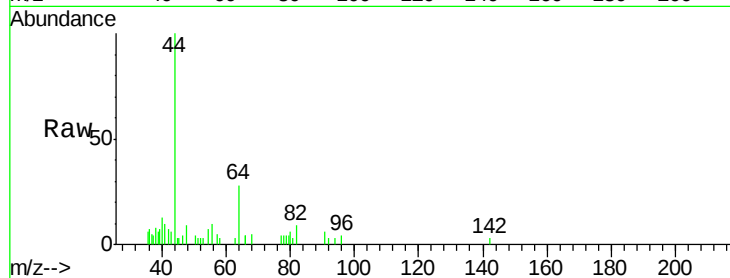
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 327

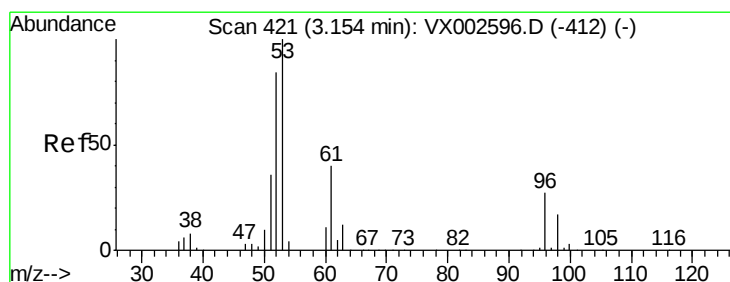
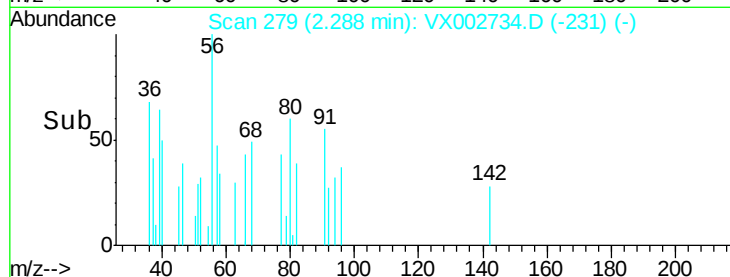
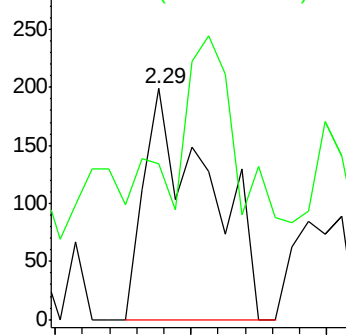
Ion Ratio Lower Upper

56 100

55 67.9 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.45 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

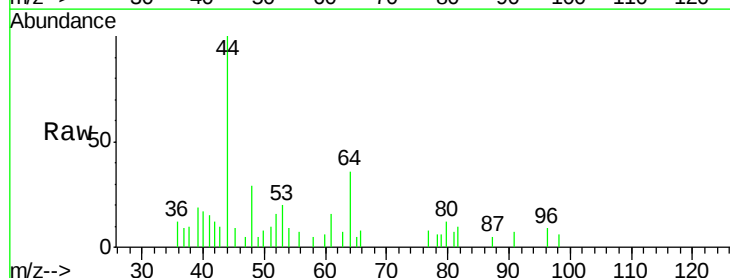
Tgt Ion: 53 Resp: 690

Ion Ratio Lower Upper

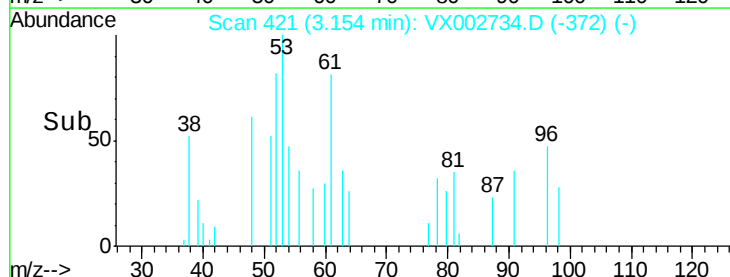
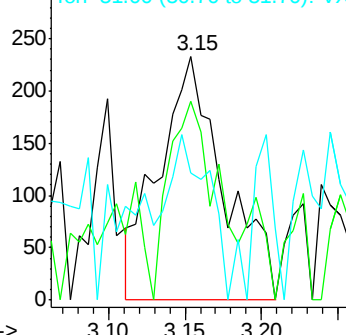
53 100

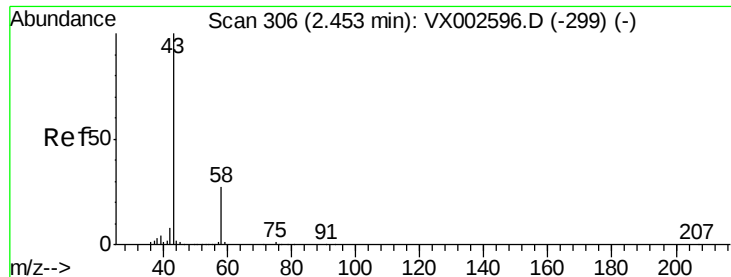
52 59.1 66.7 100.1#

51 42.6 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.79 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

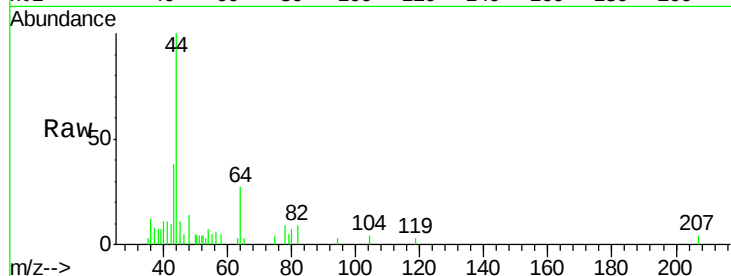
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1181

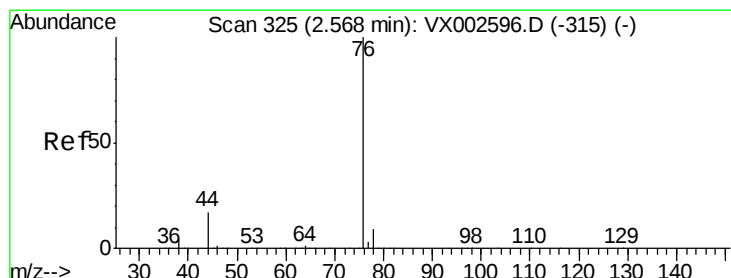
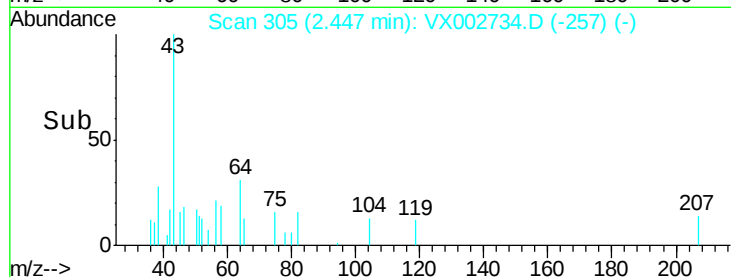
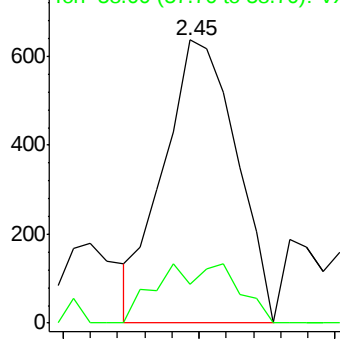
Ion Ratio Lower Upper

43 100

58 14.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.32 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002734.D

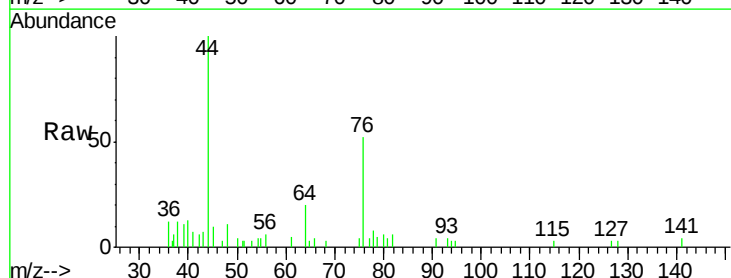
Acq: 20 Jun 2018 01:36

Tgt Ion: 76 Resp: 1876

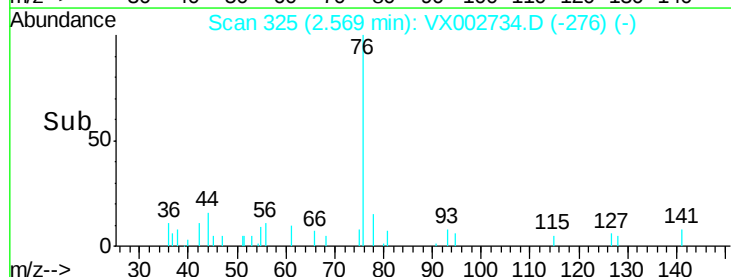
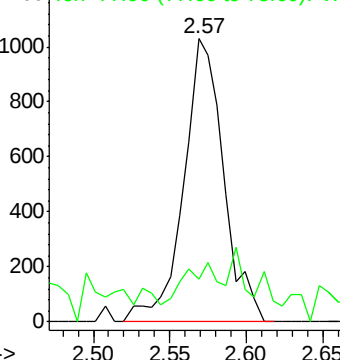
Ion Ratio Lower Upper

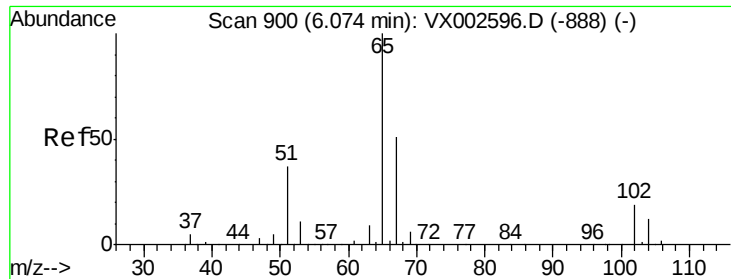
76 100

78 7.9 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

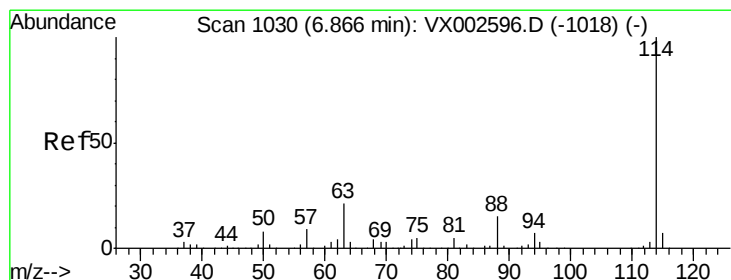
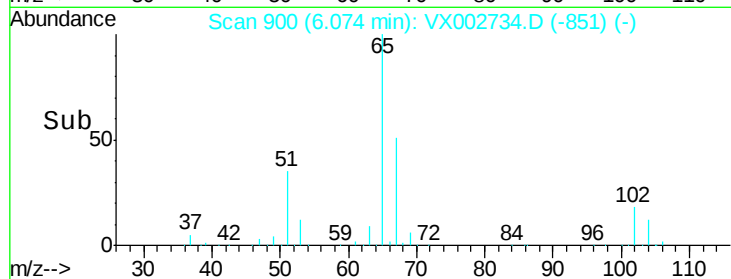
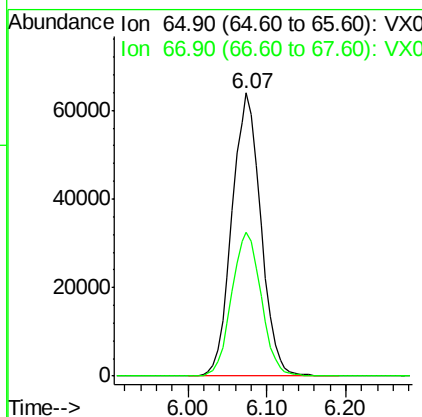
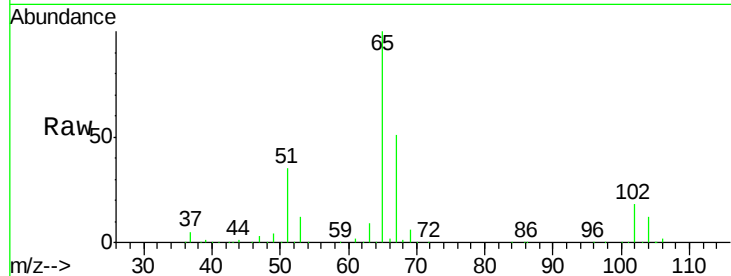




#33
 1,2-Dichloroethane-d4
 Concen: 48.23 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002734.D
 Acq: 20 Jun 2018 01:36

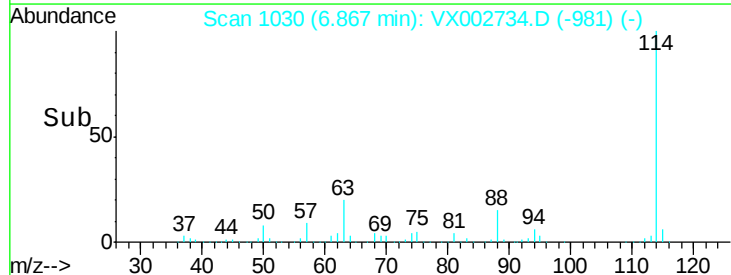
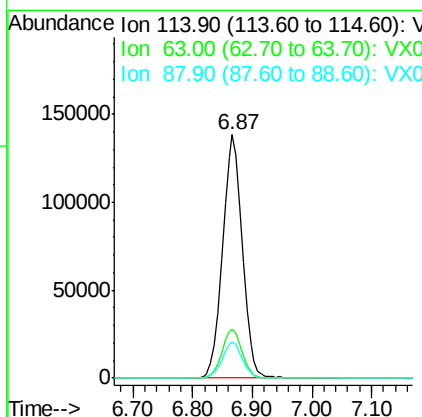
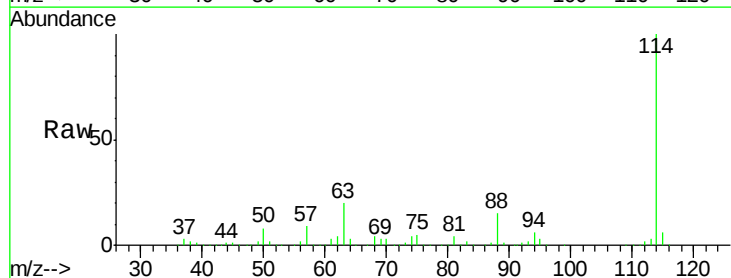
Instrument :
 MSVOA_X
 ClientSampleId :

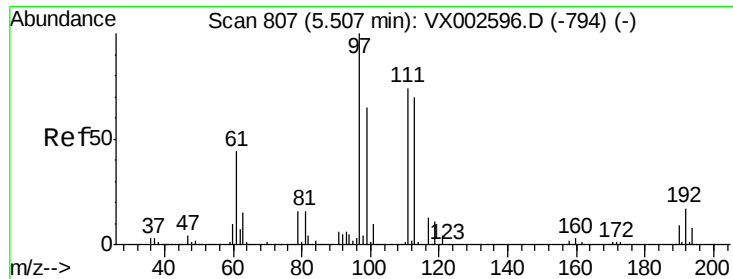
Tot Ion: 65 Resp: 163243
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002734.D
 Acq: 20 Jun 2018 01:36

Tgt Ion: 114 Resp: 318050
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.0 0.0 30.0

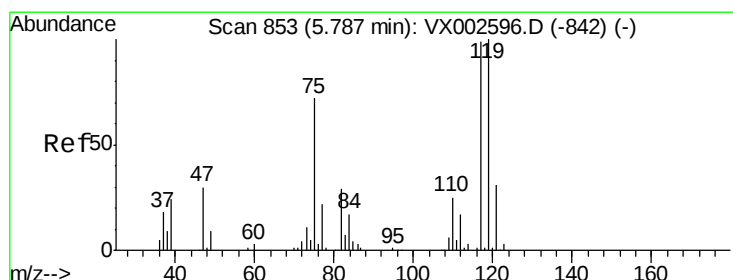
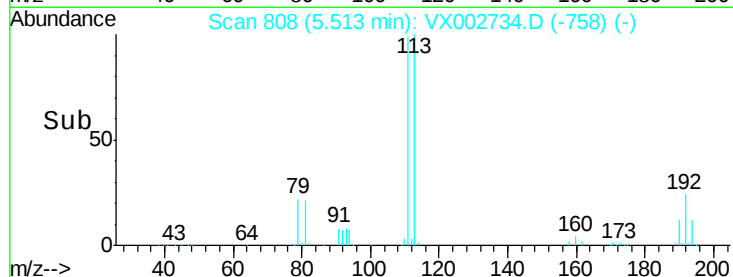
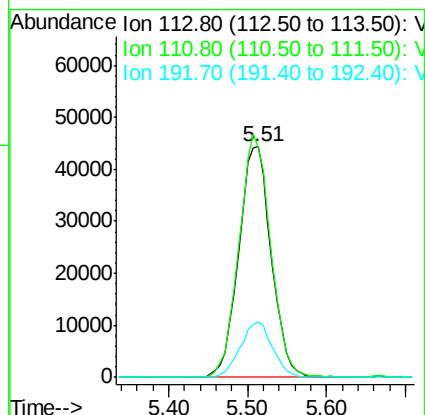
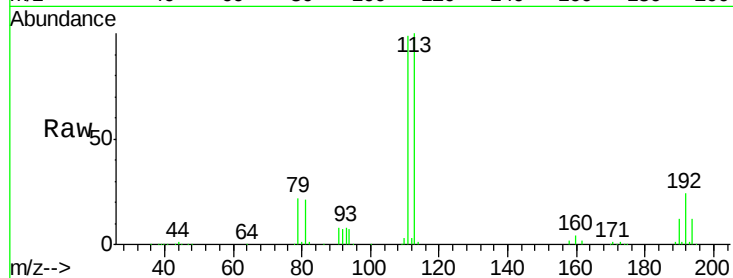




#35
Dibromofluoromethane
Concen: 50.10 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX002734.D
Acq: 20 Jun 2018 01:36

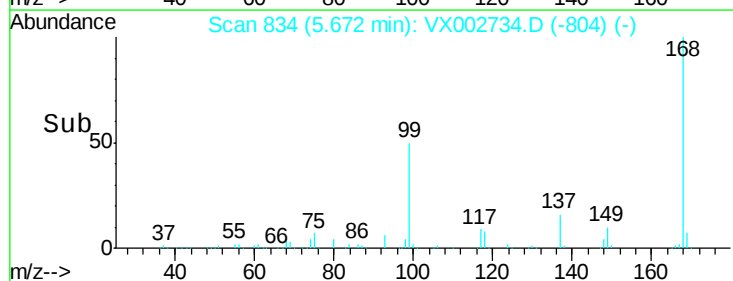
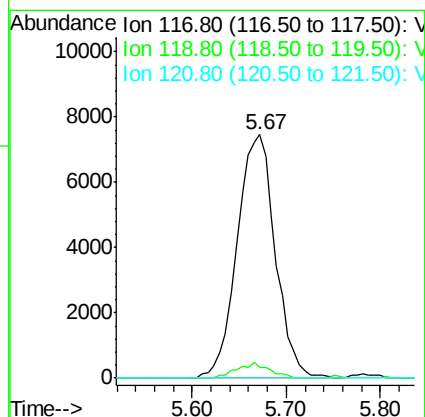
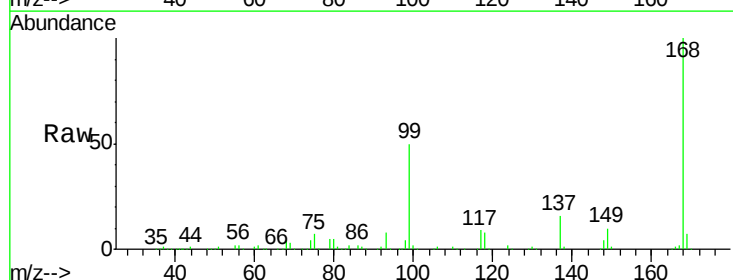
Instrument :
MSVOA_X
ClientSampleId :

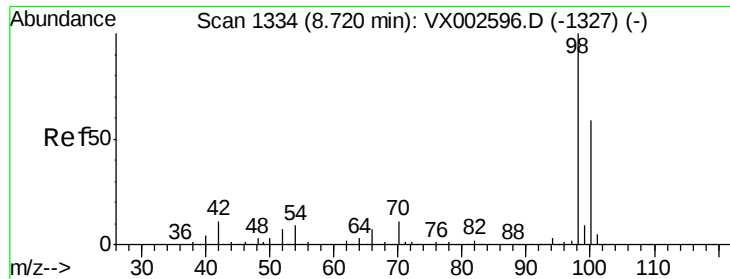
Tot Ion:113 Resp: 127161
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 23.9 19.1 28.7



#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX002734.D
Acq: 20 Jun 2018 01:36

Tgt Ion:117 Resp: 21063
Ion Ratio Lower Upper
117 100
119 4.3 77.4 116.0#
121 0.0 24.4 36.6#

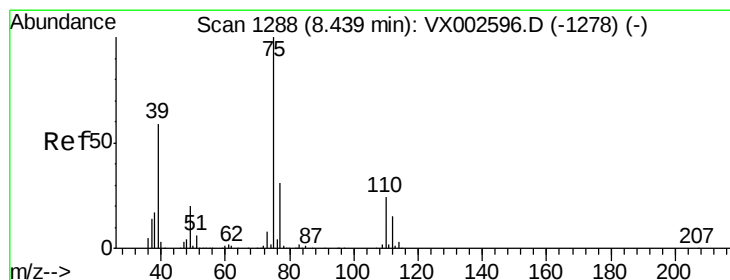
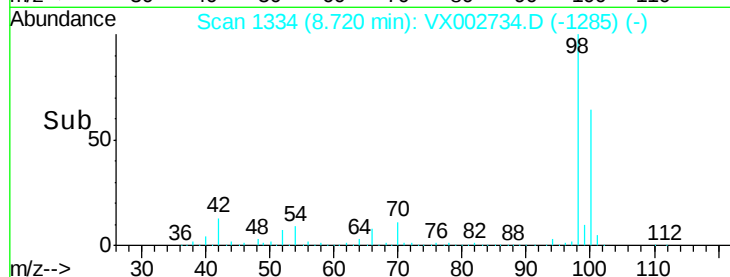
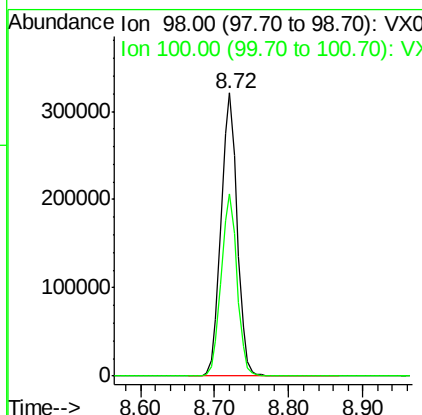
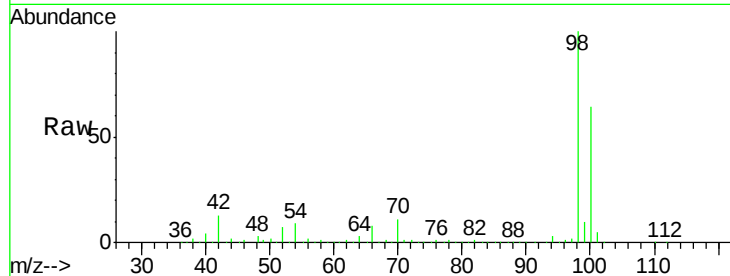




#50
Toluene-d8
Concen: 50.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002734.D
Acq: 20 Jun 2018 01:36

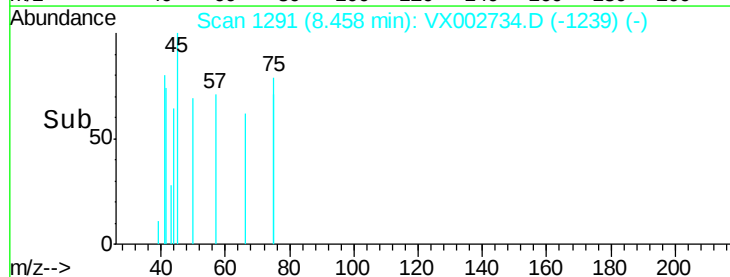
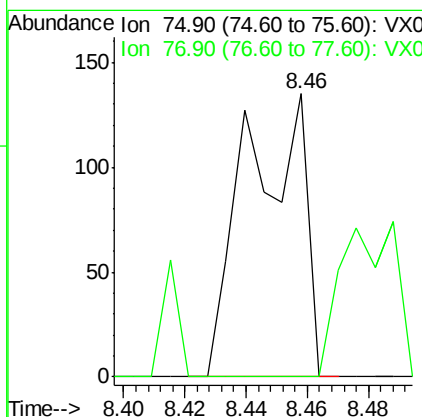
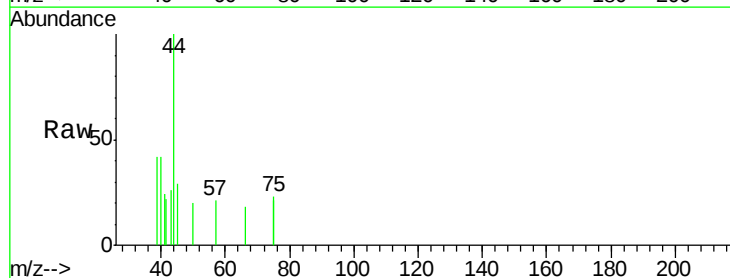
Instrument :
MSVOA_X
ClientSampleId :

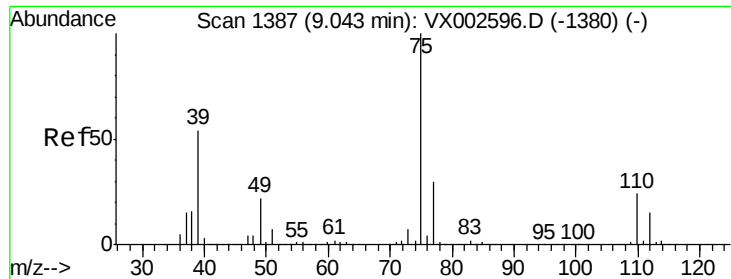
Tot Ion: 98 Resp: 482466
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.43 ug/l
RT: 8.46 min Scan# 1291
Delta R.T. 0.02 min
Lab File: VX002734.D
Acq: 20 Jun 2018 01:36

Tgt Ion: 75 Resp: 178
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#





#54

cis-1,3-Dichloropropene

Concen: 3.25 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

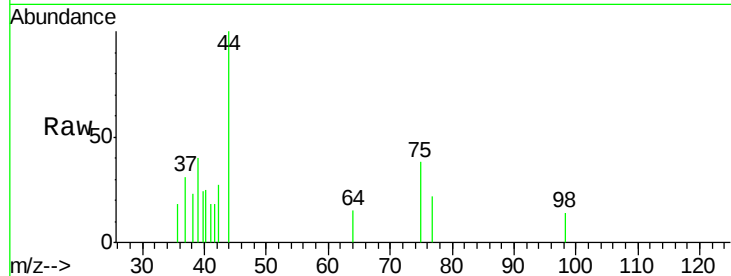
Tot Ion: 75 Resp: 178

Ion Ratio Lower Upper

75 100

77 56.8 24.8 37.2#

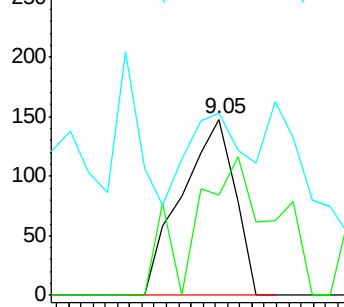
39 0.0 42.4 63.6#



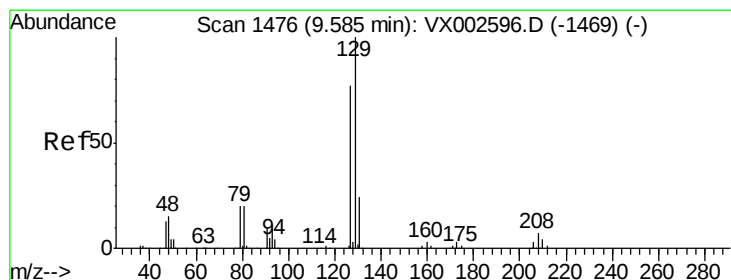
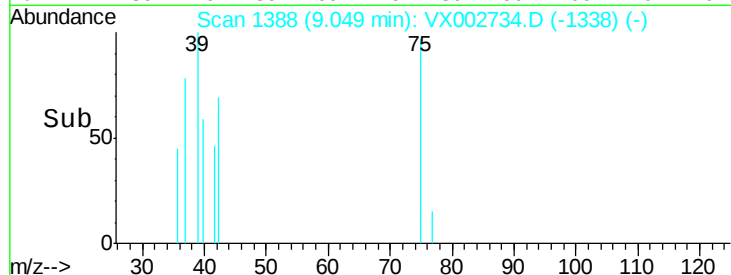
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#60

Dibromochloromethane

Concen: 3.77 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002734.D

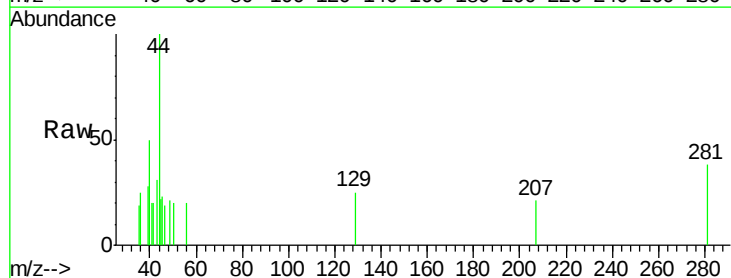
Acq: 20 Jun 2018 01:36

Tgt Ion: 129 Resp: 45

Ion Ratio Lower Upper

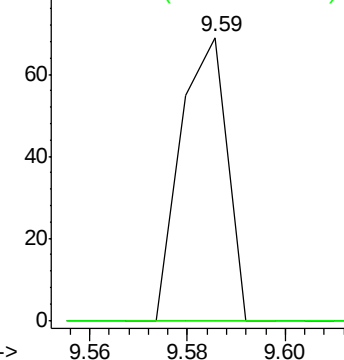
129 100

127 0.0 38.5 115.3#

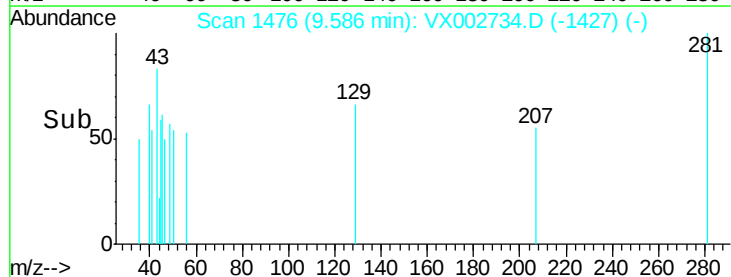


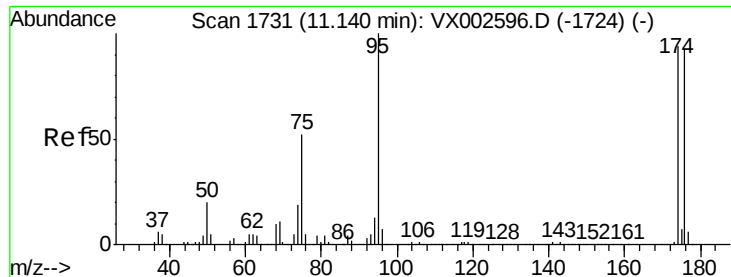
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 46.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

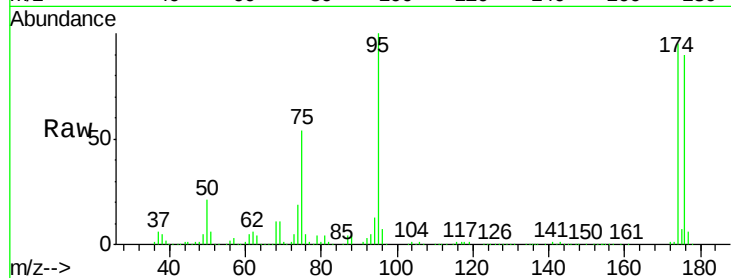
Tot Ion: 95 Resp: 169016

Ion Ratio Lower Upper

95 100

174 98.1 0.0 187.4

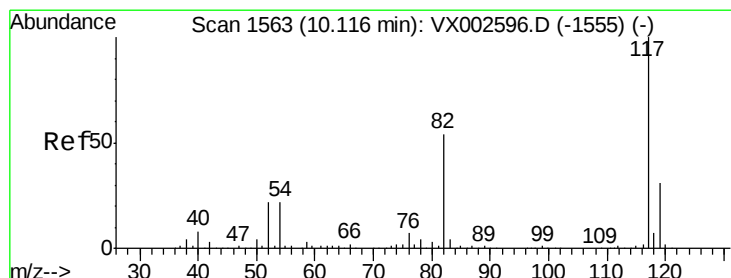
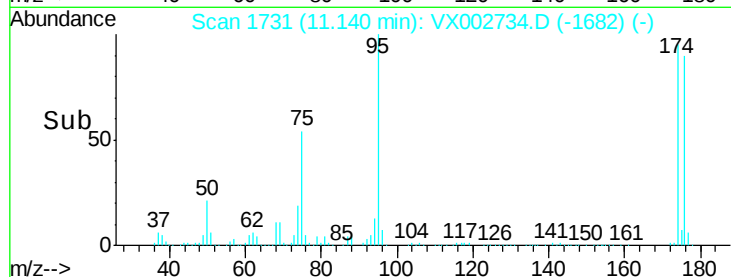
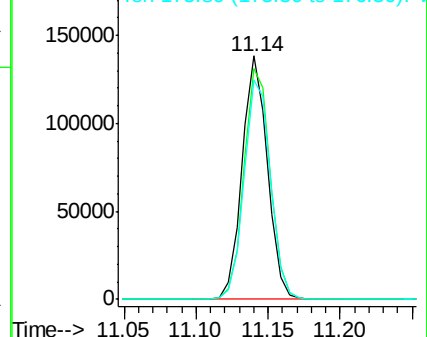
176 93.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002734.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002734.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002734.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

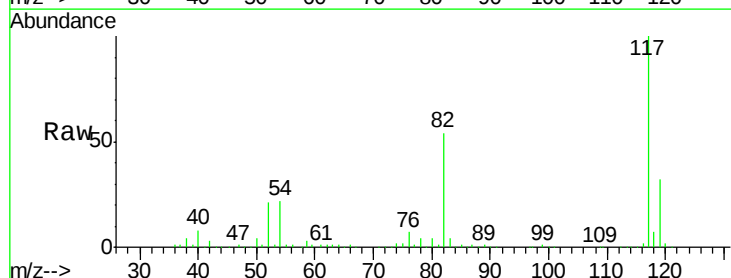
Tgt Ion: 117 Resp: 297433

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.4

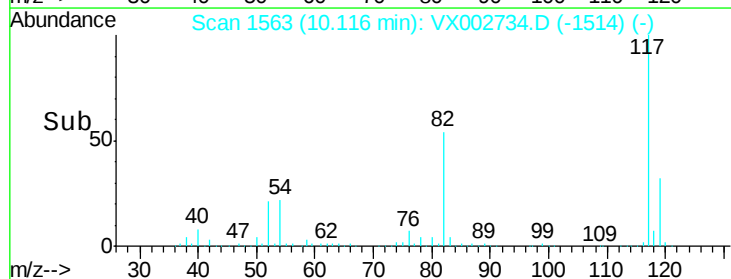
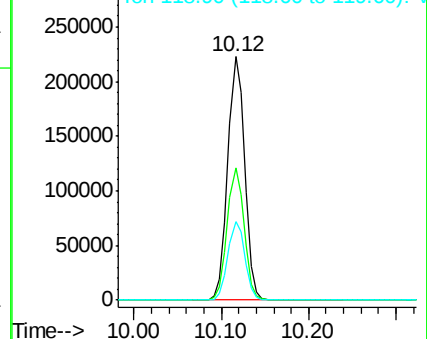
119 32.0 25.8 38.6

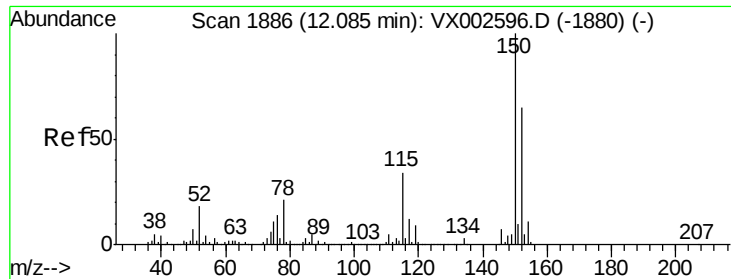


Abundance Ion 116.90 (116.60 to 117.60): VX002734.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002734.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002734.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

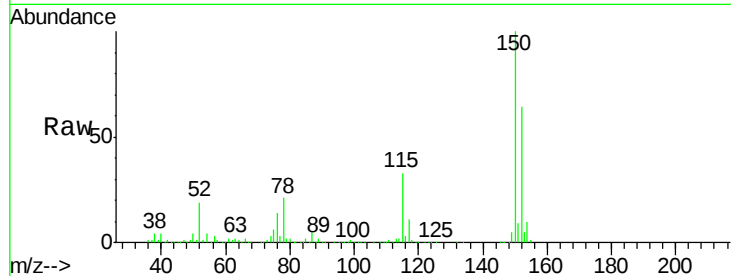
Tot Ion:152 Resp: 168969

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

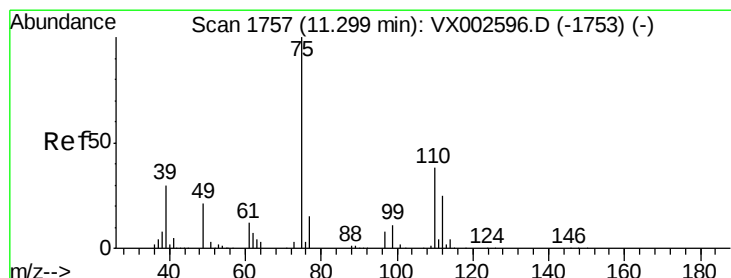
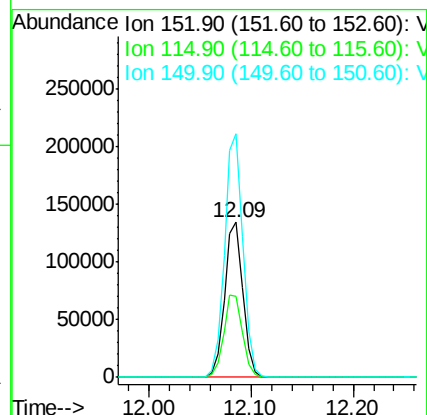
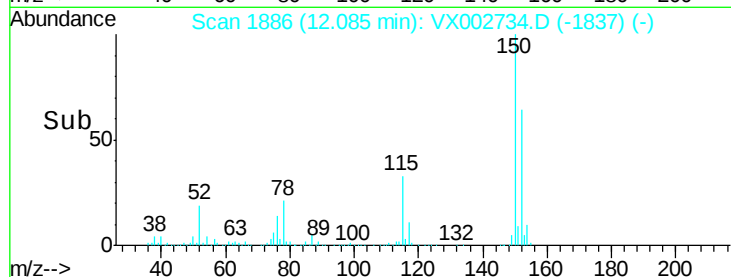
150 157.1 0.0 347.2



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: 28.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002734.D

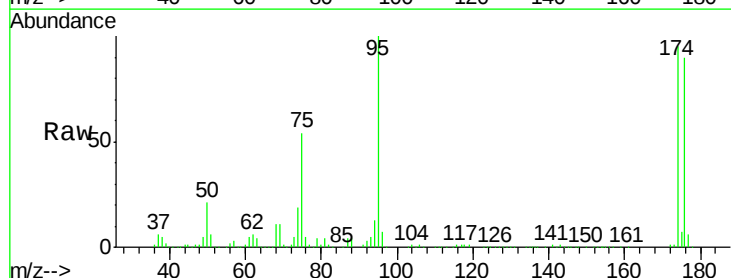
Acq: 20 Jun 2018 01:36

Tgt Ion: 75 Resp: 90809

Ion Ratio Lower Upper

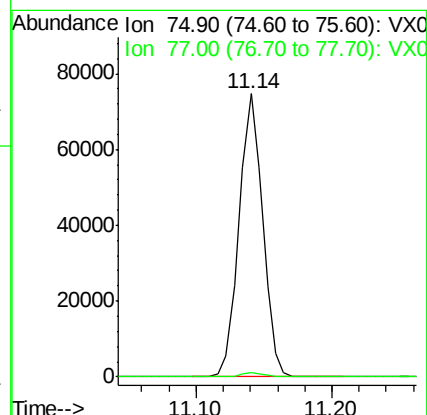
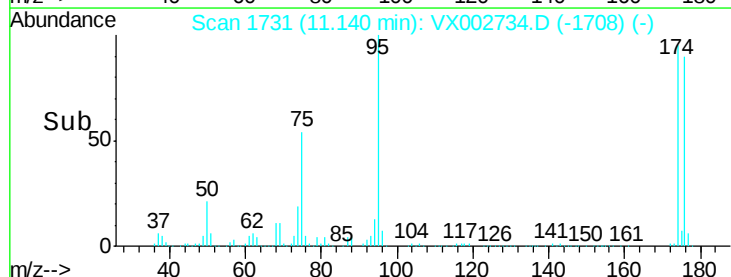
75 100

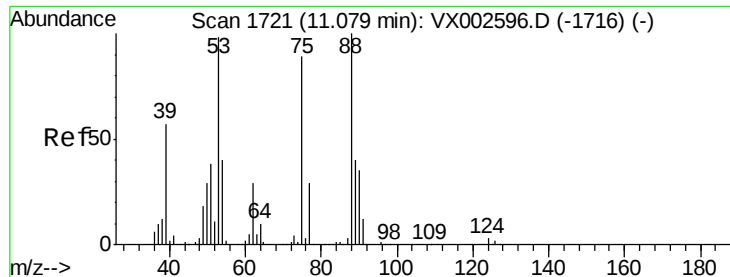
77 1.3 22.8 68.3#



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: 87.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002734.D

Acq: 20 Jun 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

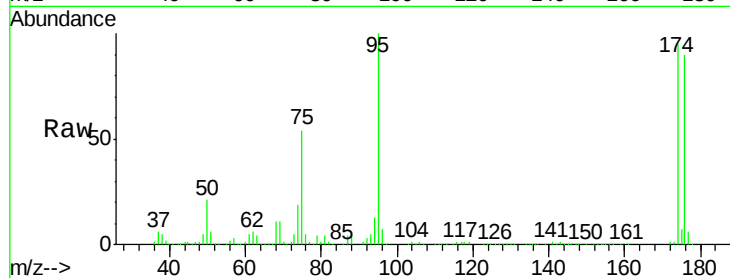
Tot Ion: 75 Resp: 90809

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

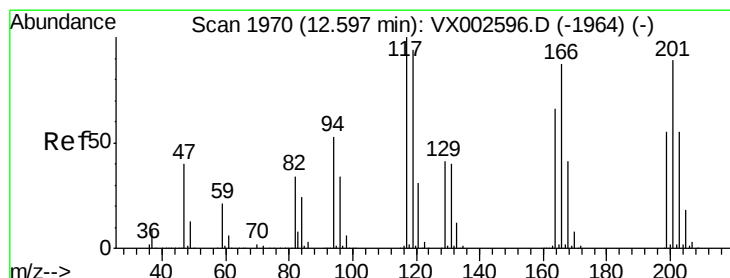
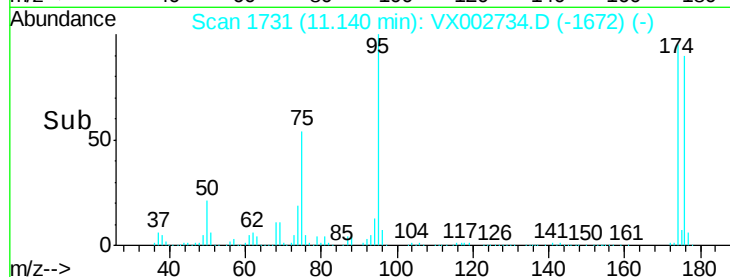
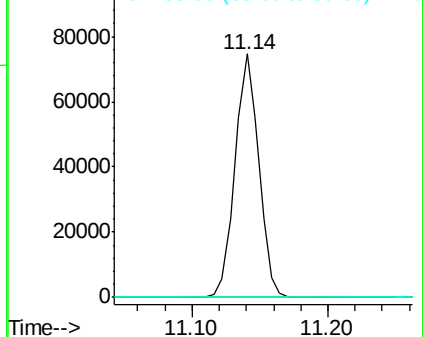
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 2.67 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002734.D

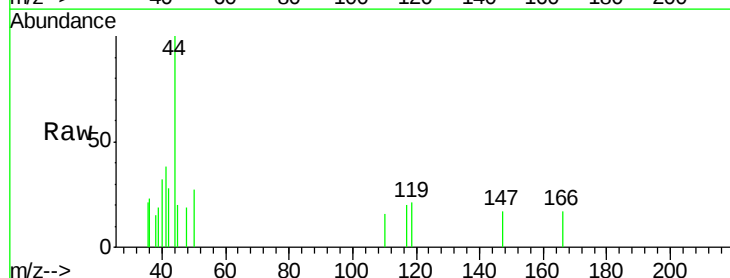
Acq: 20 Jun 2018 01:36

Tgt Ion: 117 Resp: 70

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

