

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
 Data File : VX007175.D
 Acq On : 22 Jan 2019 12:23
 Operator : JC/SP
 Sample : K1215-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB04-20190117

Quant Time: Jan 23 00:03:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	585459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	839138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	410284	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	311064	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
35) Dibromofluoromethane	5.50	113	278823	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	1065076	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	378880	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	

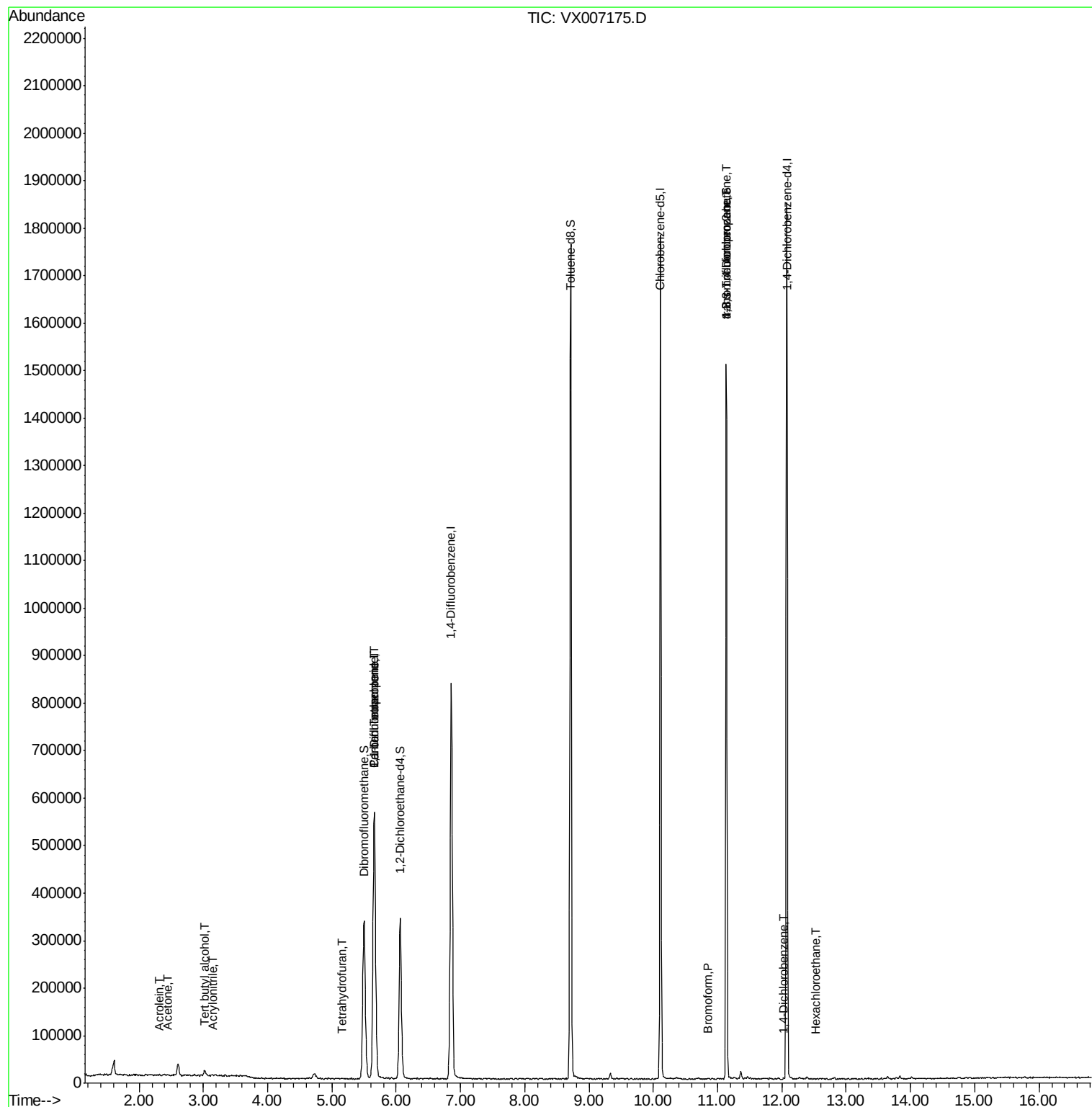
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	7635	5.290	ug/l #	78
13) Acrolein	2.31	56	239	3.463	ug/l #	1
15) Acrylonitrile	3.15	53	839	0.253	ug/l #	76
16) Acetone	2.43	43	2103	0.695	ug/l #	86
20) Methylene Chloride	2.85	84	631	Below Cal	#	28
29) Tetrahydrofuran	5.15	42	797	0.283	ug/l #	79
36) 1,1-Dichloropropene	5.66	75	36224	4.649	ug/l #	48
38) Carbon Tetrachloride	5.67	117	53135	6.778	ug/l #	14
49) 1,4-Dioxane	7.74	88	110	Below Cal	#	1
71) Bromoform	10.86	173	161	4.754	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	182038	21.895	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	182038	64.859	ug/l #	10
88) 1,4-Dichlorobenzene	12.02	146	857	0.208	ug/l	91
90) Hexachloroethane	12.53	117	186	2.951	ug/l	55

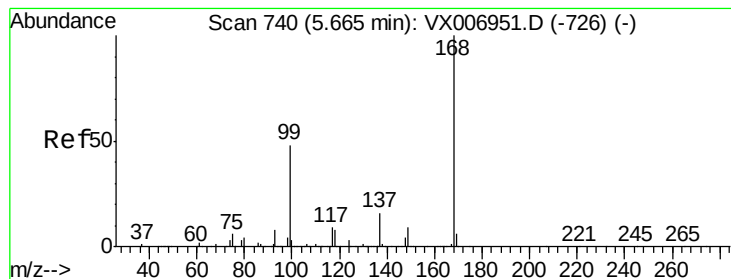
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
EB04-20190117

Quant Time: Jan 23 00:03:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

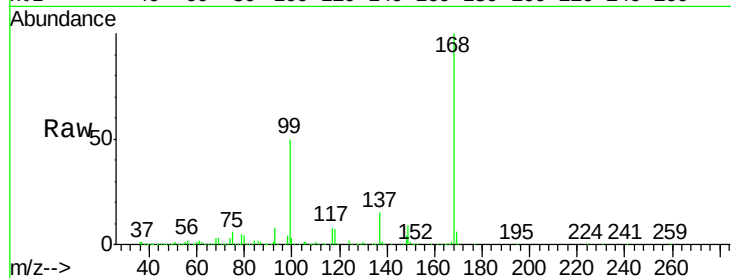
EB04-20190117

Tot Ion:168 Resp: 585459

Ion Ratio Lower Upper

168 100

99 50.1 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

200000

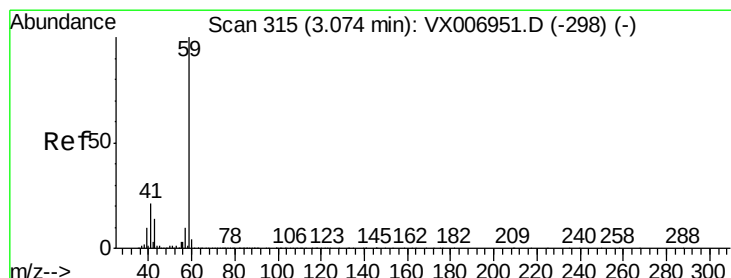
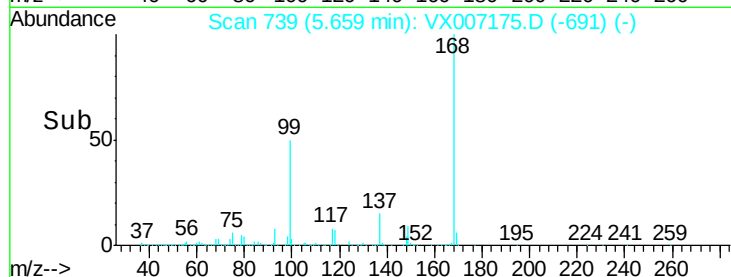
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 5.290 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.06 min

Lab File: VX007175.D

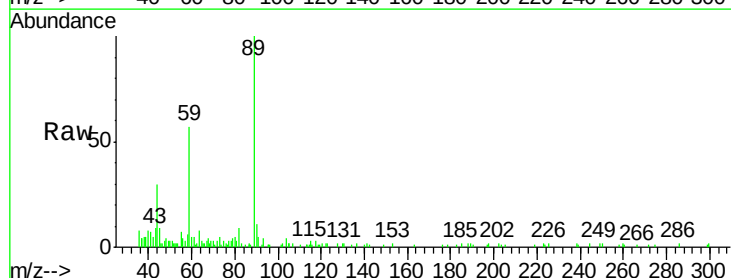
Acq: 22 Jan 2019 12:23

Tgt Ion: 59 Resp: 7635

Ion Ratio Lower Upper

59 100

57 2.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

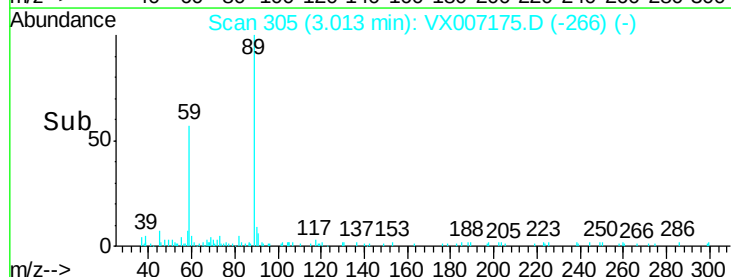
3000

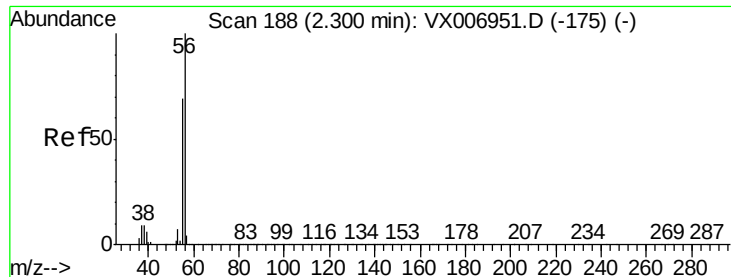
2000

1000

0

Time--> 2.90 3.00 3.10





#13

Acrolein

Concen: 3.463 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

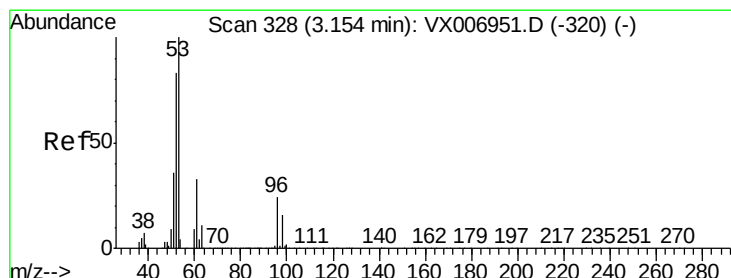
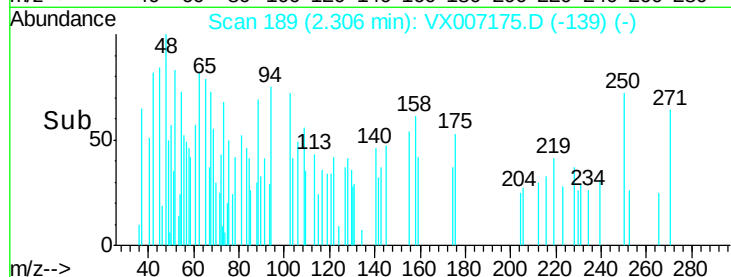
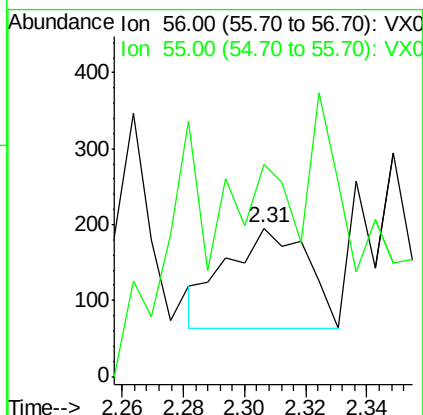
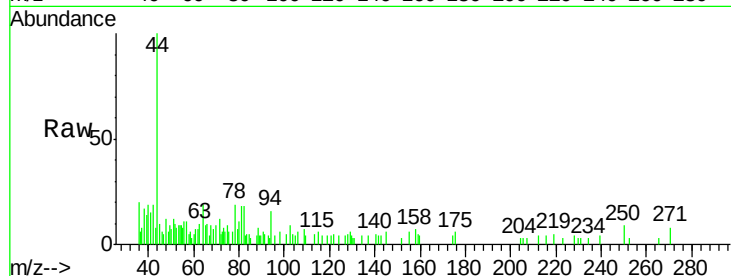
EB04-20190117

Tot Ion: 56 Resp: 239

Ion Ratio Lower Upper

56 100

55 198.3 58.2 87.4#



#15

Acrylonitrile

Concen: 0.253 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

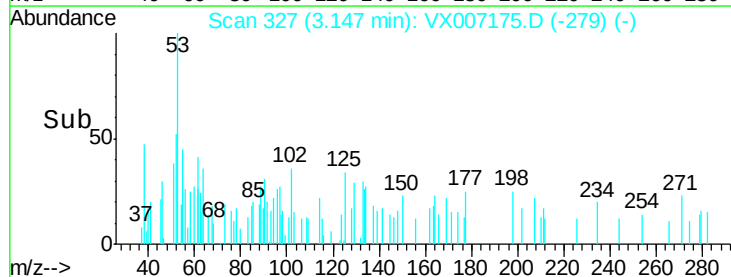
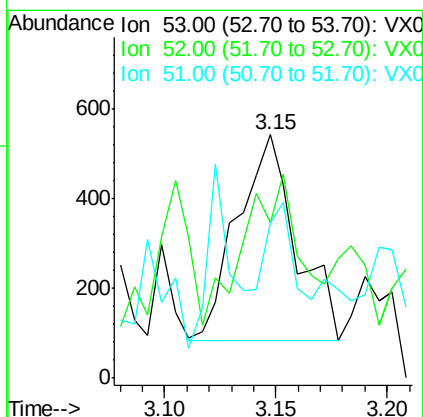
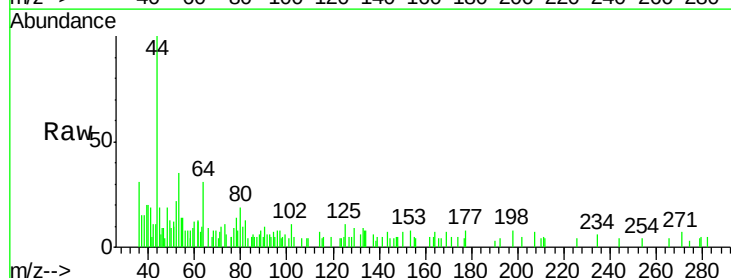
Tgt Ion: 53 Resp: 839

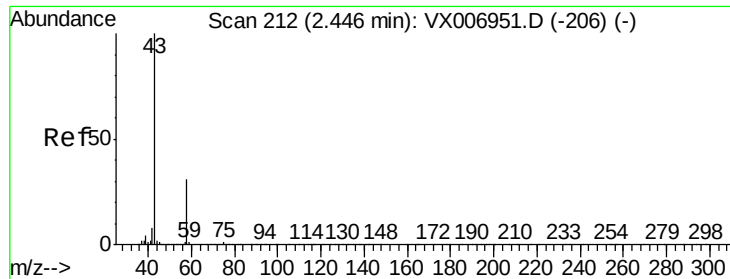
Ion Ratio Lower Upper

53 100

52 58.3 66.0 99.0#

51 26.0 28.6 42.8#





#16

Acetone

Concen: 0.695 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

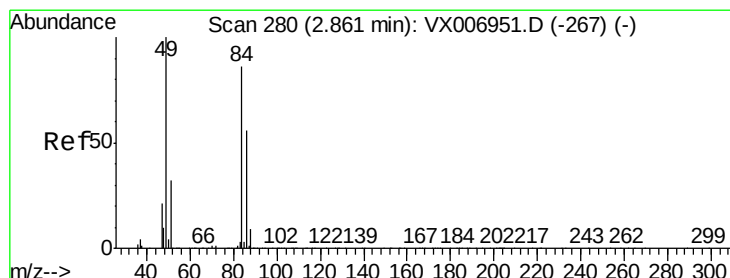
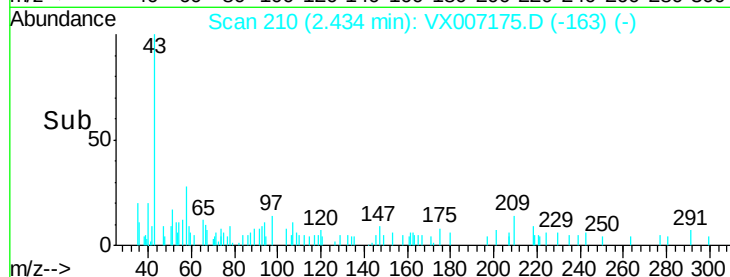
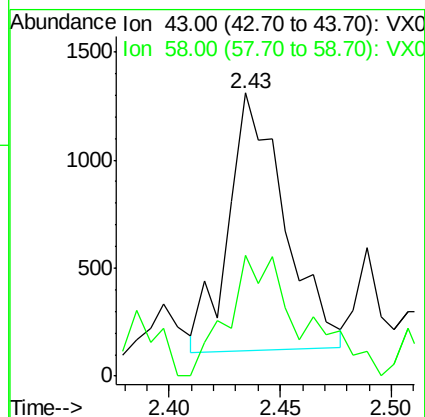
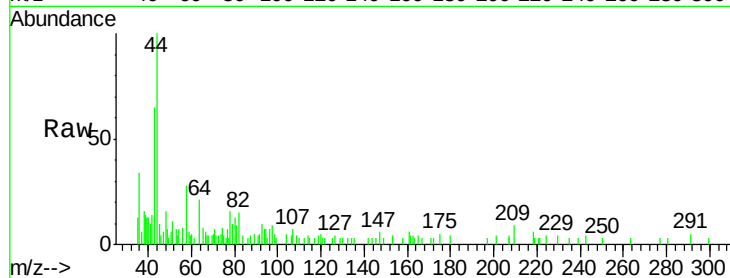
EB04-20190117

Tot Ion: 43 Resp: 2103

Ion Ratio Lower Upper

43 100

58 38.8 25.0 37.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Tgt Ion: 84 Resp: 631

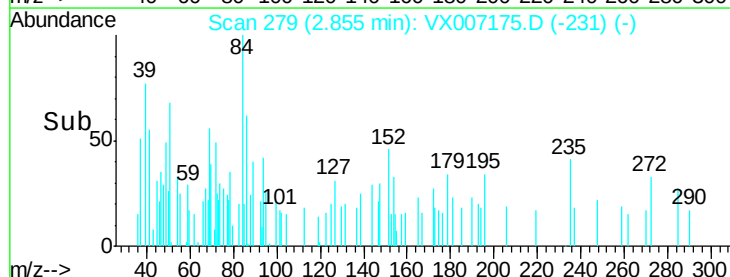
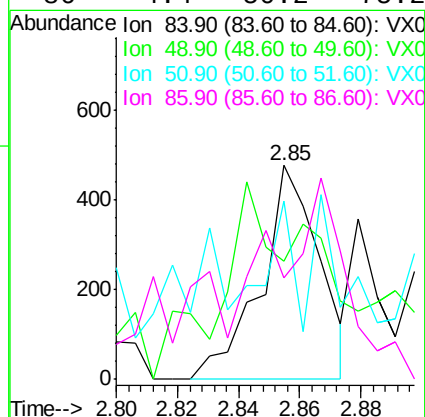
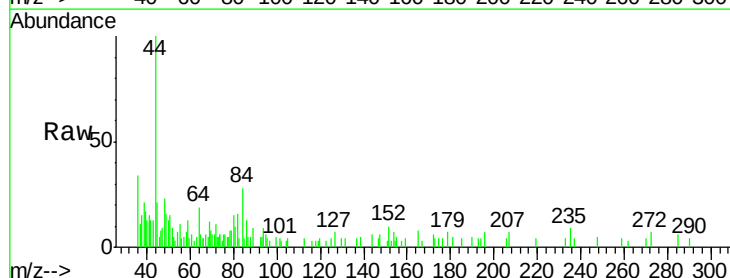
Ion Ratio Lower Upper

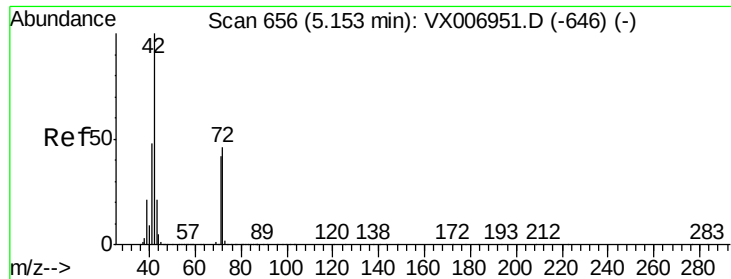
84 100

49 24.7 91.8 137.6#

51 51.8 28.5 42.7#

86 4.4 50.2 75.2#

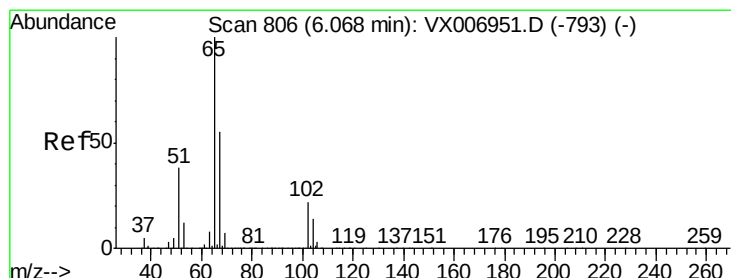
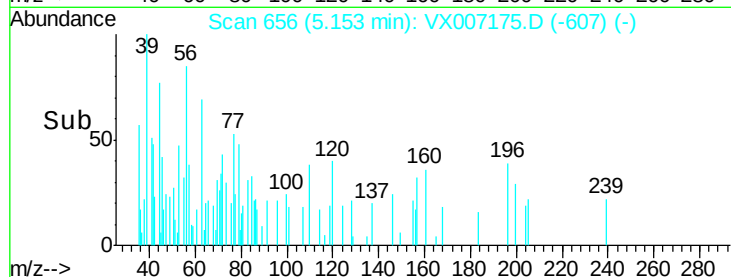
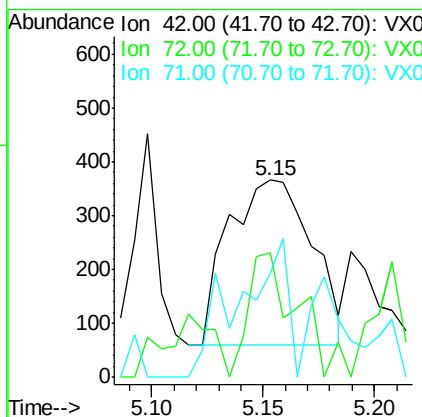
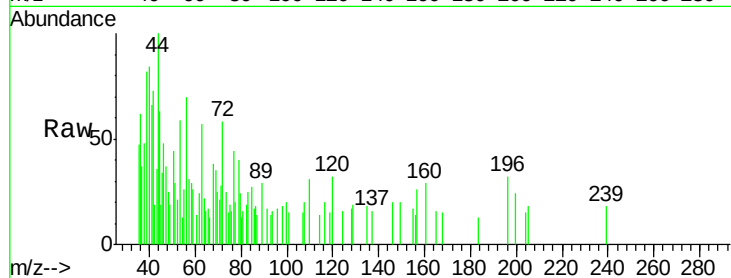




#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007175.D
Acq: 22 Jan 2019 12:23

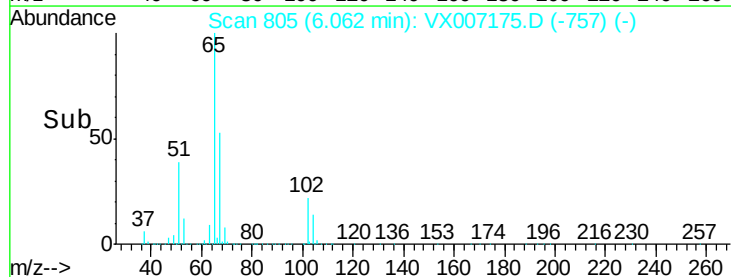
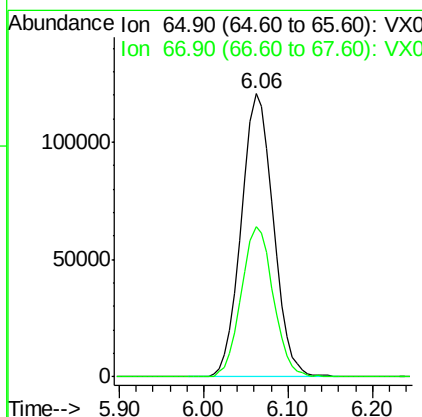
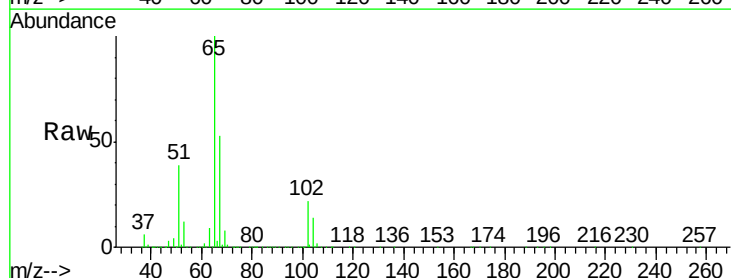
Instrument :
MSVOA_X
ClientSampleId :
EB04-20190117

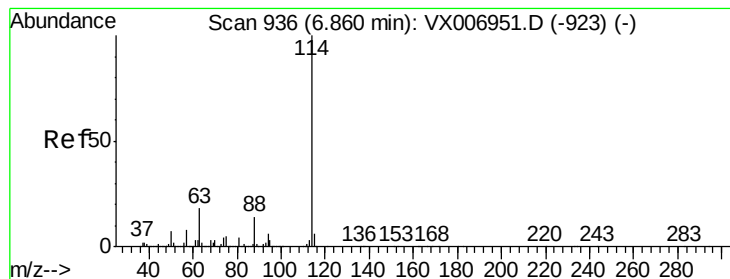
Tot Ion: 42 Resp: 797
Ion Ratio Lower Upper
42 100
72 45.2 38.9 58.3
71 20.7 36.2 54.4#



#33
1,2-Dichloroethane-d4
Concen: 50.840 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX007175.D
Acq: 22 Jan 2019 12:23

Tgt Ion: 65 Resp: 311064
Ion Ratio Lower Upper
65 100
67 52.9 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: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

EB04-20190117

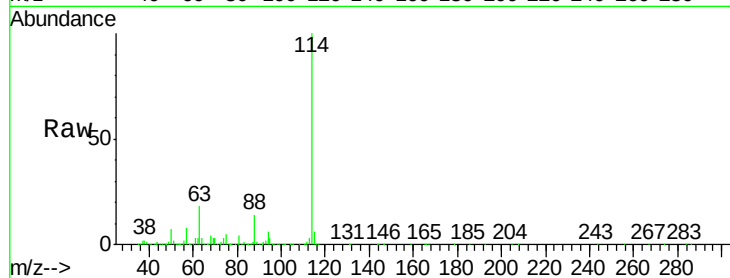
Tot Ion:114 Resp: 896223

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

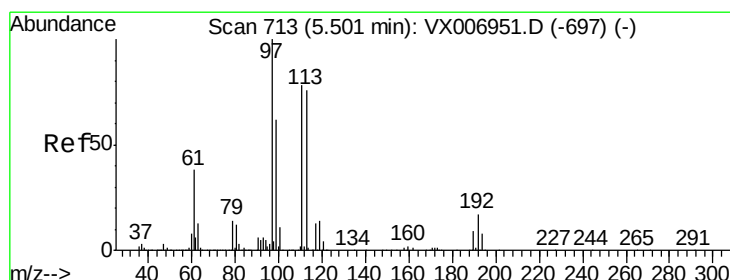
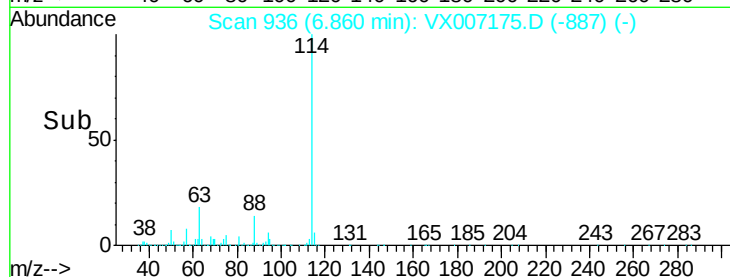
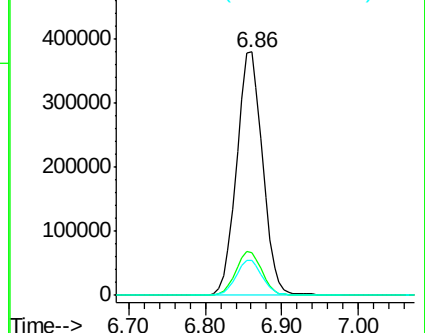
88 14.3 0.0 28.8



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: 48.581 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

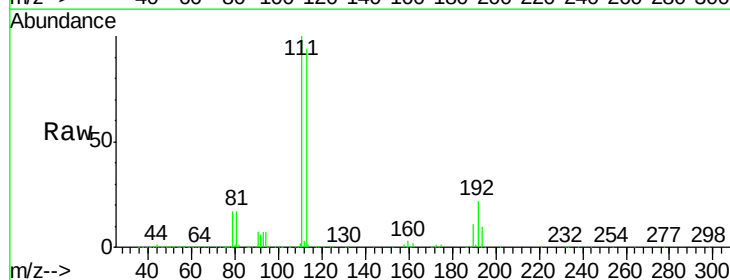
Tgt Ion:113 Resp: 278823

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

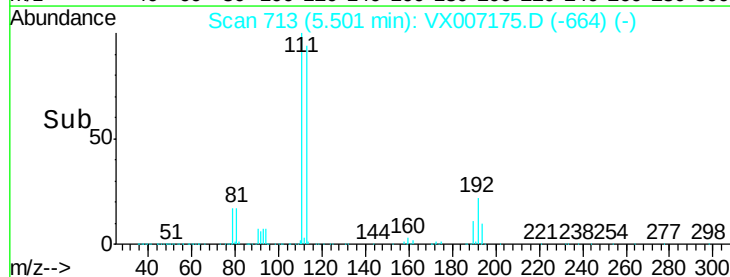
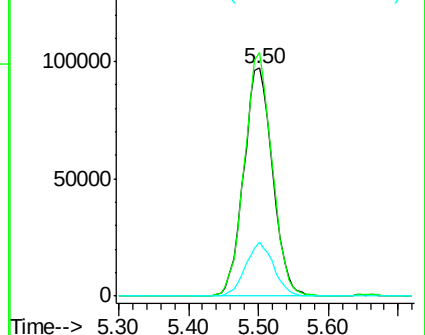
192 22.8 16.7 25.1

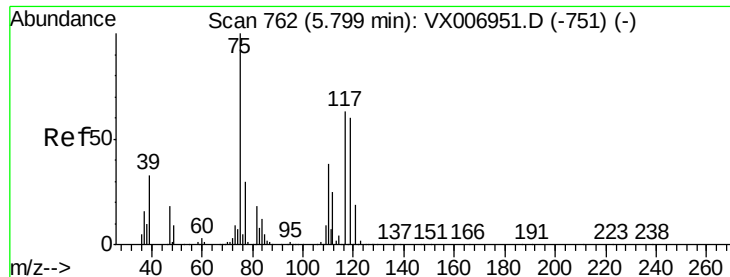


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.649 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

EB04-20190117

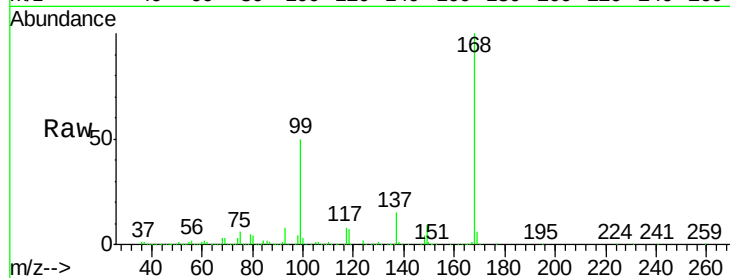
Tot Ion: 75 Resp: 36224

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

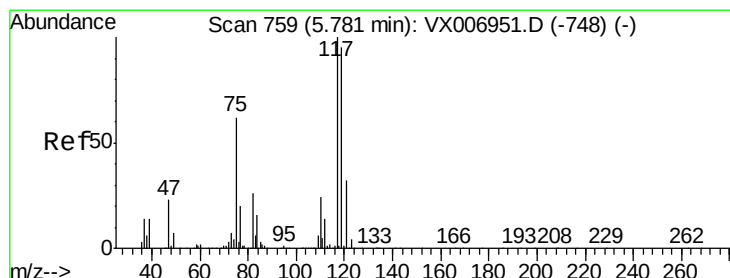
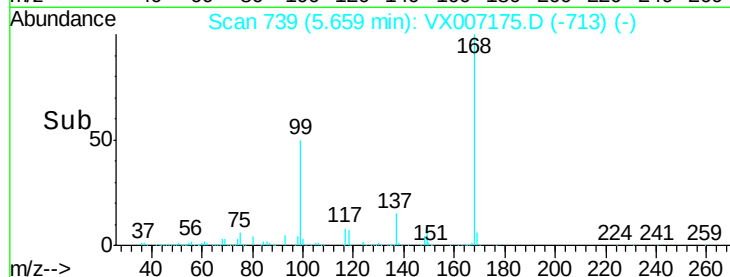
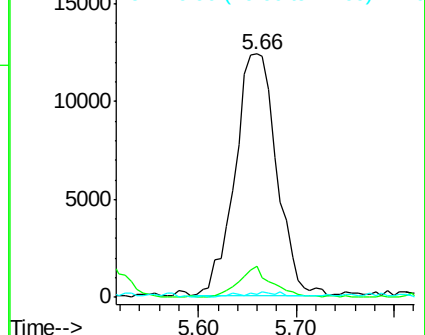
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.778 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

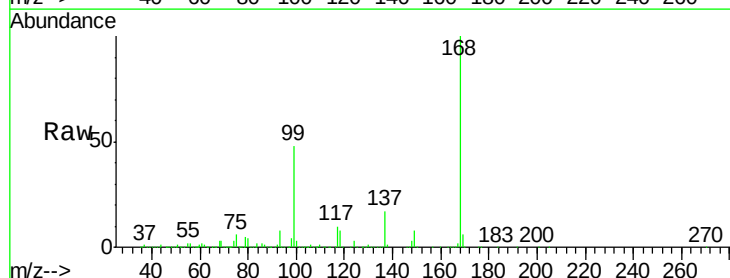
Tgt Ion:117 Resp: 53135

Ion Ratio Lower Upper

117 100

119 4.0 79.4 119.2#

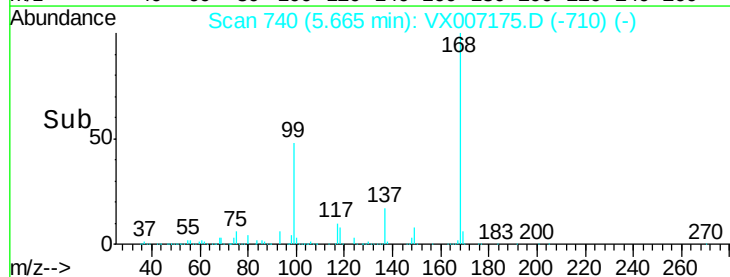
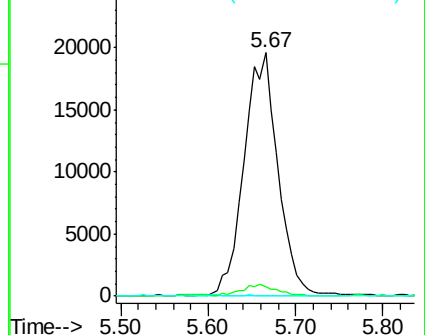
121 0.0 24.0 36.0#

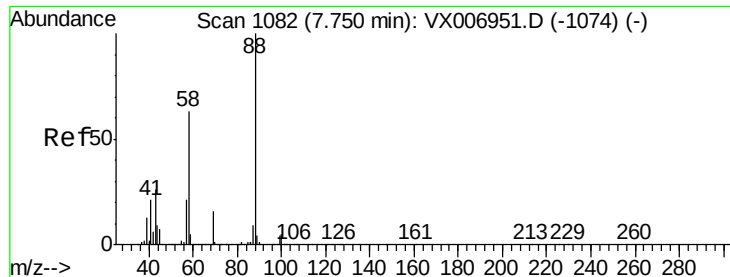


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

EB04-20190117

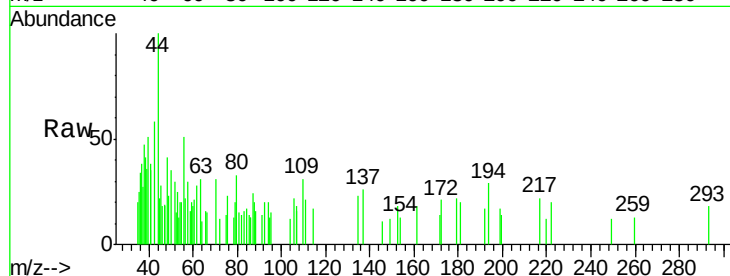
Tot Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 160.0 22.2 33.4#

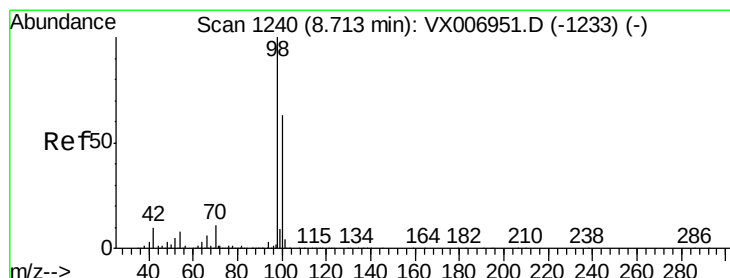
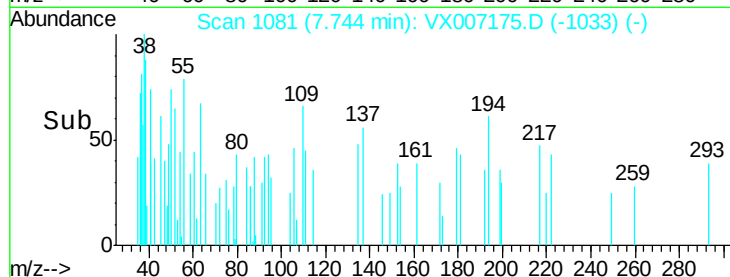
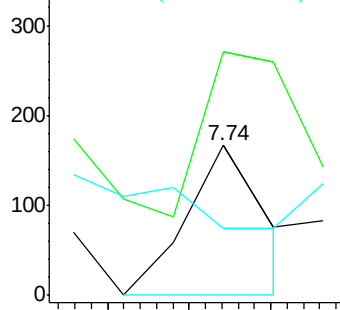
58 0.0 51.0 76.4#



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: 50.699 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007175.D

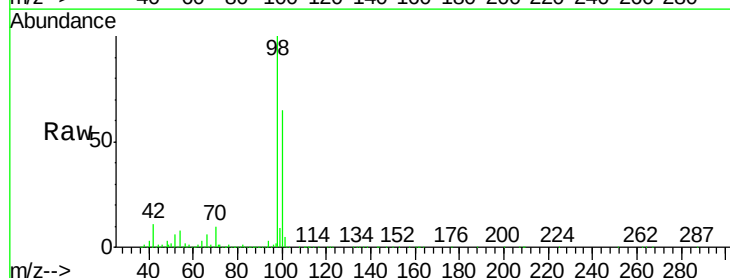
Acq: 22 Jan 2019 12:23

Tgt Ion: 98 Resp: 1065076

Ion Ratio Lower Upper

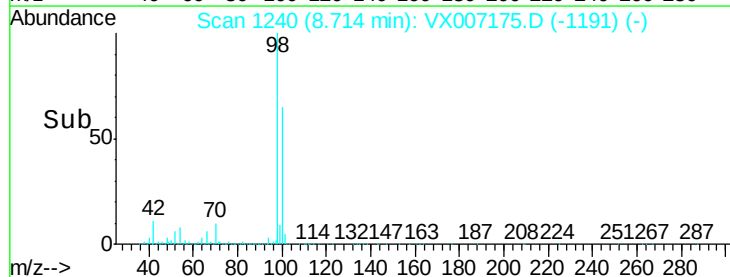
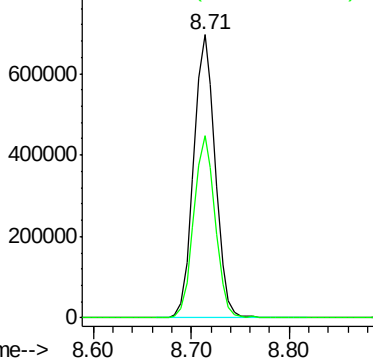
98 100

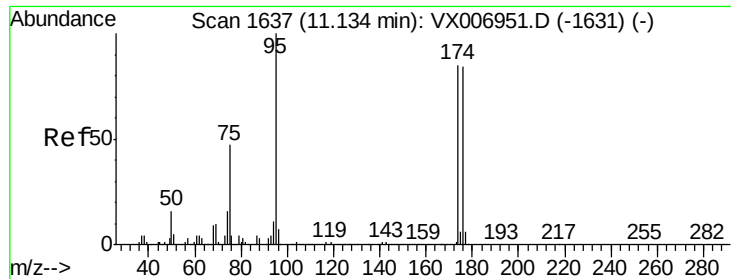
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.732 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

EB04-20190117

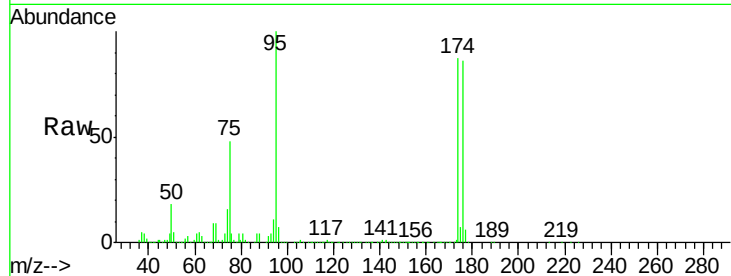
Tot Ion: 95 Resp: 378880

Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.2

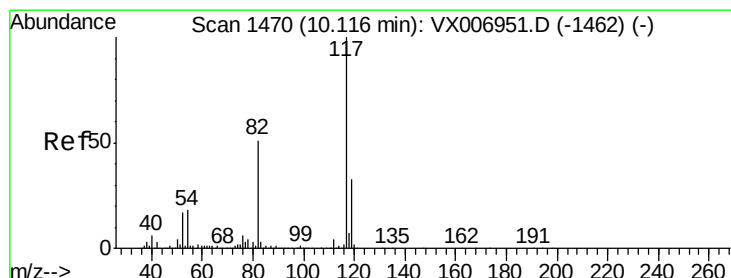
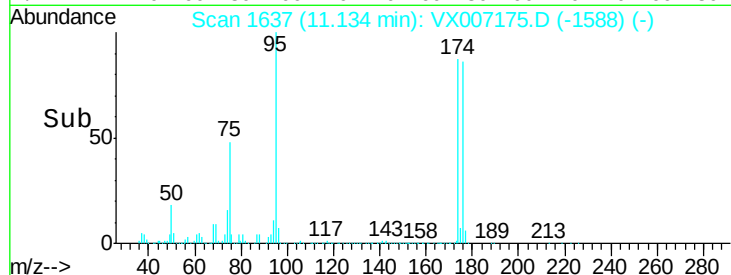
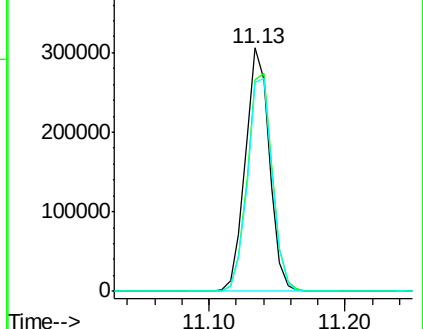
176 90.7 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

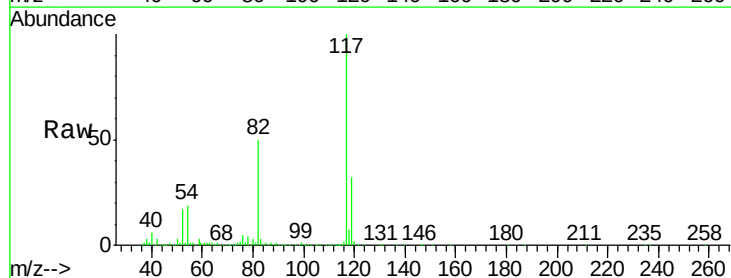
Tgt Ion: 117 Resp: 839138

Ion Ratio Lower Upper

117 100

82 50.0 41.0 61.6

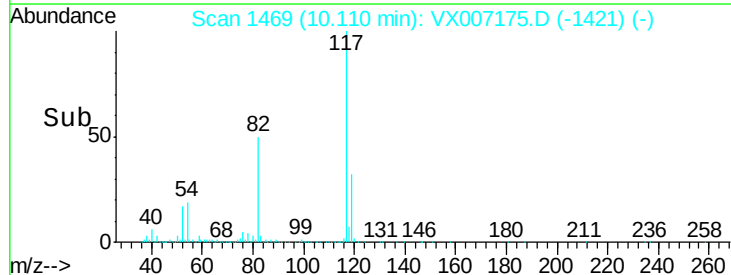
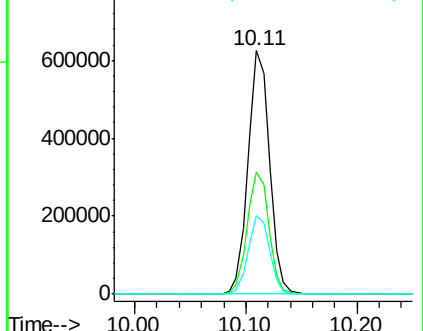
119 32.1 25.4 38.0

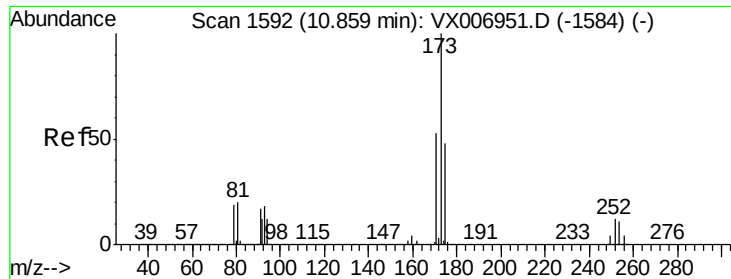


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)





#71

Bromoform

Concen: 4.754 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

EB04-20190117

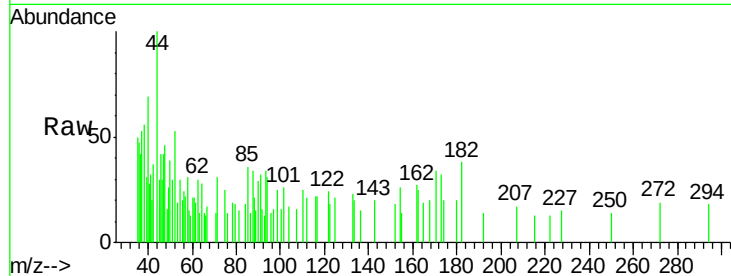
Tot Ion:173 Resp: 161

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

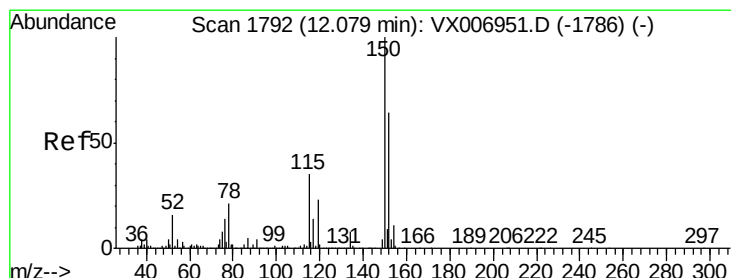
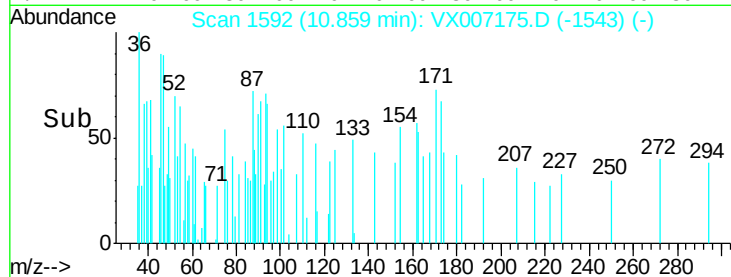
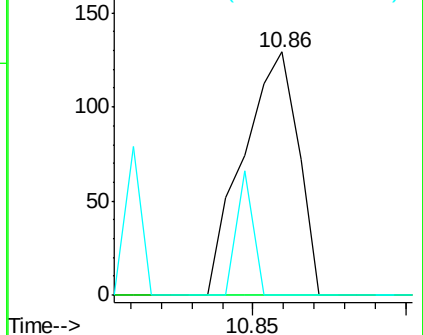
254 14.9 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX007175.D

Acq: 22 Jan 2019 12:23

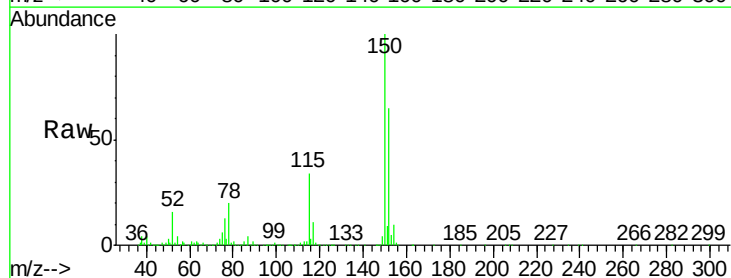
Tgt Ion:152 Resp: 410284

Ion Ratio Lower Upper

152 100

115 55.0 39.1 117.2

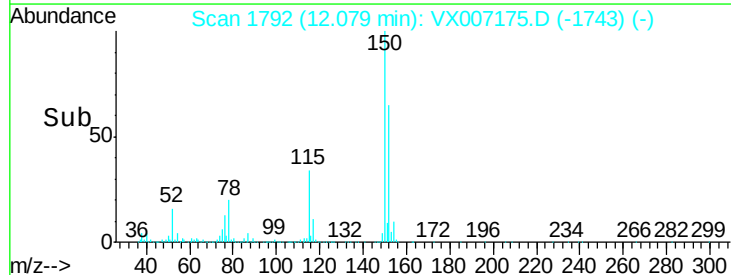
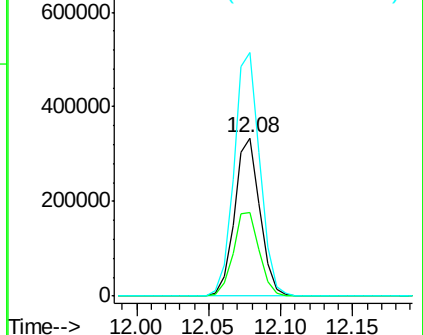
150 157.1 0.0 344.8

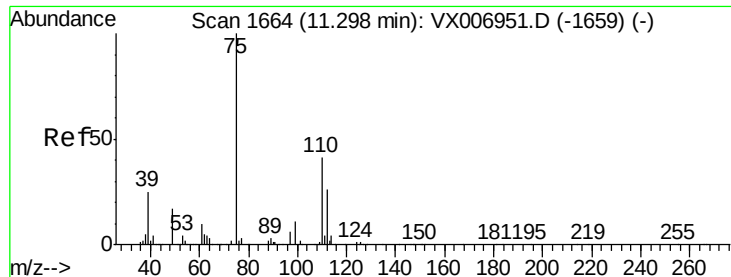


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.895 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

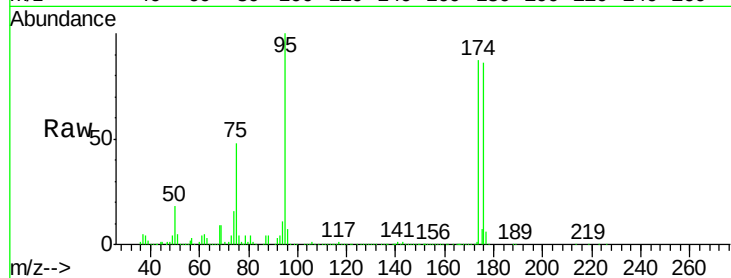
EB04-20190117

Tot Ion: 75 Resp: 182038

Ion Ratio Lower Upper

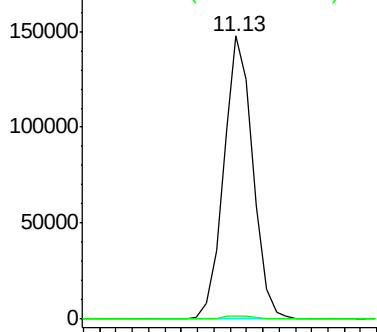
75 100

77 1.3 18.5 55.5#

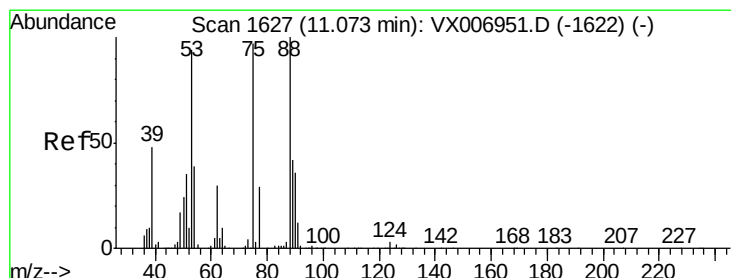
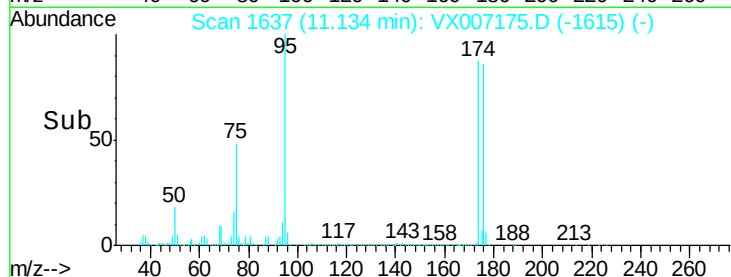


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 64.859 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

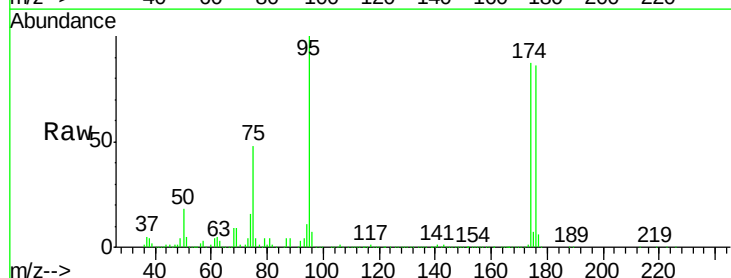
Tgt Ion: 75 Resp: 182038

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

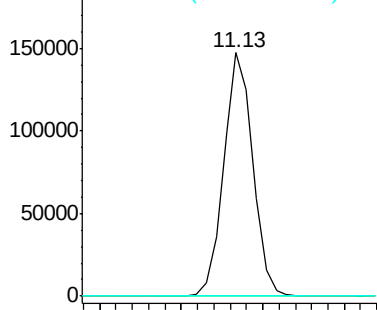
89 0.1 38.0 57.0#



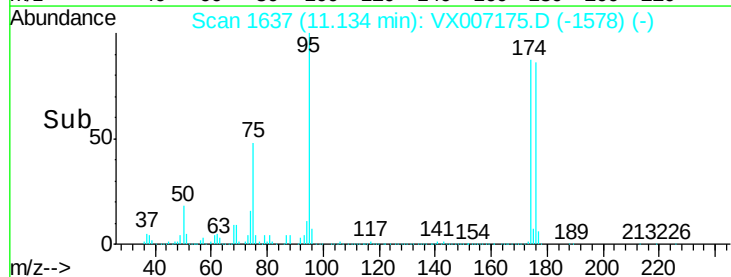
Abundance Ion 74.90 (74.60 to 75.60): VX0

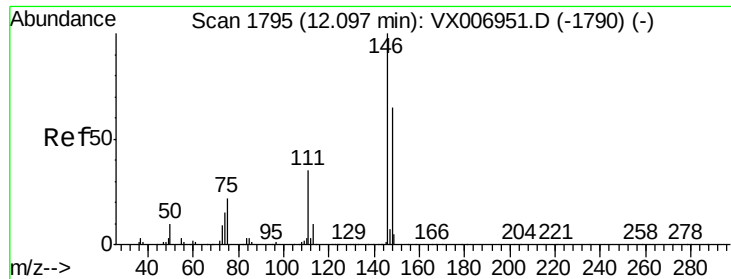
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time--> 11.05 11.10 11.15 11.20





#88

1,4-Dichlorobenzene

Concen: 0.208 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX007175.D

Acq: 22 Jan 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

EB04-20190117

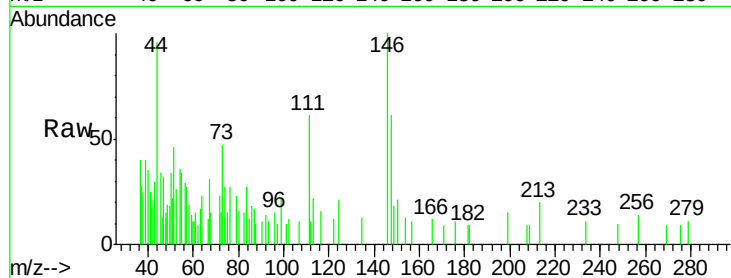
Tot Ion:146 Resp: 857

Ion Ratio Lower Upper

146 100

111 34.5 18.1 54.1

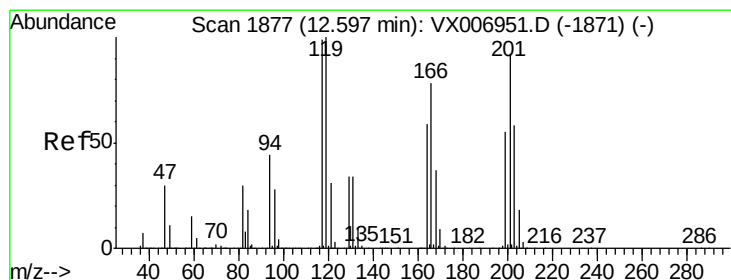
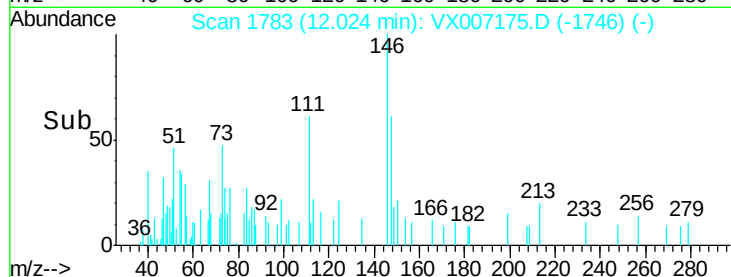
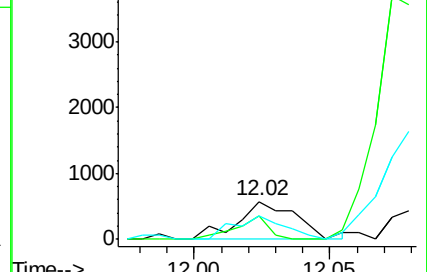
148 53.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.951 ug/l

RT: 12.53 min Scan# 1866

Delta R.T. -0.07 min

Lab File: VX007175.D

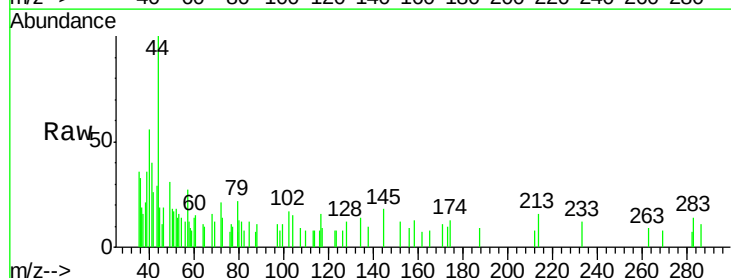
Acq: 22 Jan 2019 12:23

Tgt Ion:117 Resp: 186

Ion Ratio Lower Upper

117 100

201 44.1 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

