

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000810.D
 Acq On : 12 Apr 2018 18:40
 Operator : JC/MD
 Sample : J2236-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-105

Quant Time: Apr 13 06:56:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	206417	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	159399	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	
35) Dibromofluoromethane	5.51	113	130168	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
50) Toluene-d8	8.73	98	497204	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.15	95	189226	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	

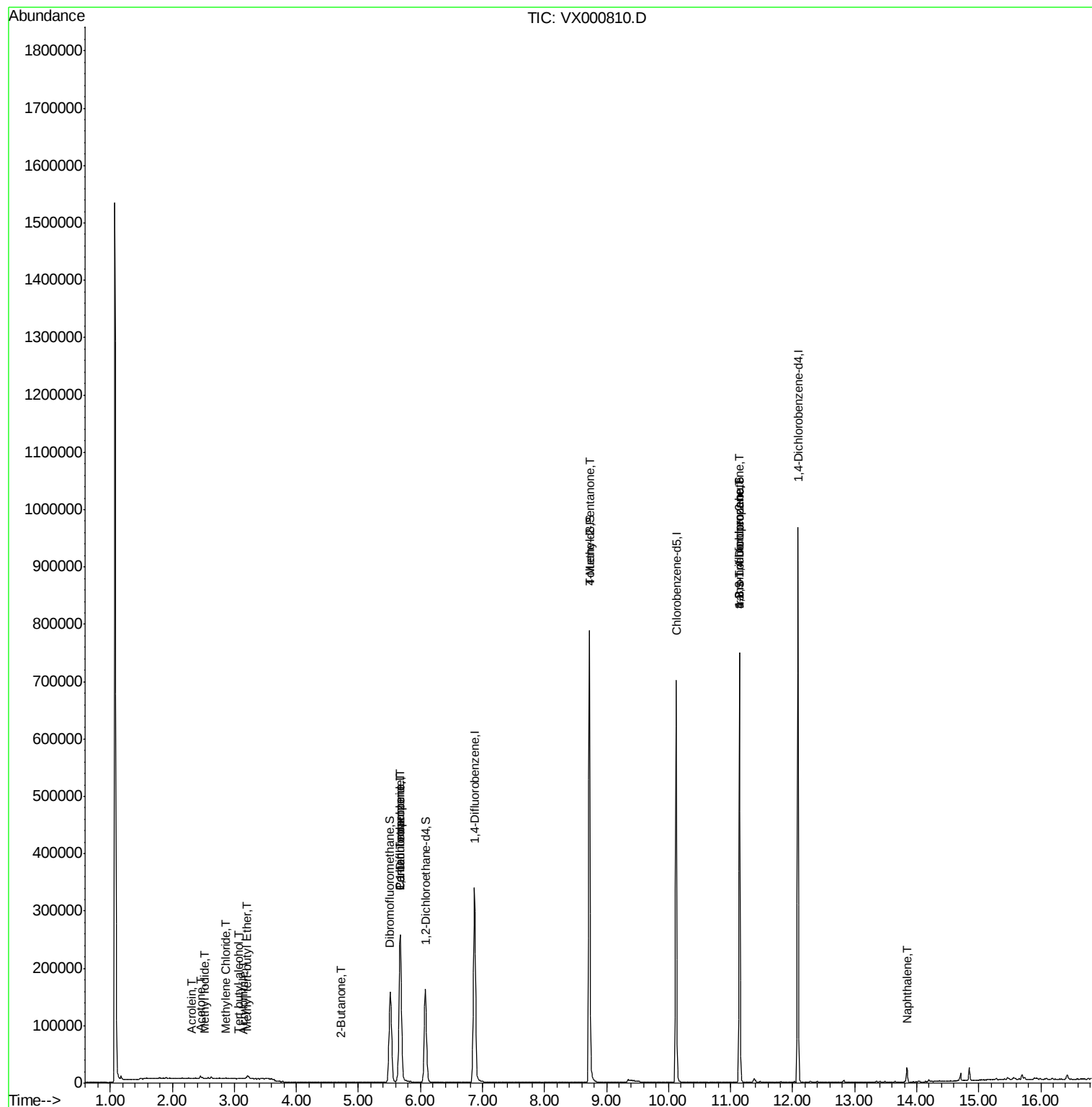
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	50	Below Cal	#	2
10) Methyl Iodide	2.52	142	107	8.27	ug/l #	42
11) Tert butyl alcohol	3.07	59	506	0.81	ug/l #	50
13) Acrolein	2.31	56	146	0.48	ug/l #	13
15) Acrylonitrile	3.15	53	422	0.32	ug/l #	44
16) Acetone	2.45	43	4914	4.04	ug/l #	88
19) Methyl tert-butyl Ether	3.21	73	6125	0.72	ug/l #	76
20) Methylene Chloride	2.86	84	597	0.21	ug/l	85
25) 2-Butanone	4.73	43	582	0.29	ug/l	97
36) 1,1-Dichloropropene	5.67	75	16448	4.11	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23589	5.26	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	2147	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	92656	26.03	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	92656	71.60	ug/l #	11
95) Naphthalene	13.84	128	15129	1.01	ug/l	99

(#) = 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# 834

Delta R.T. -0.00 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

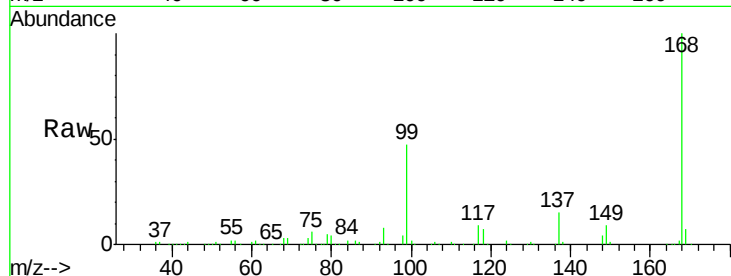
MW-105

Tgt Ion:168 Resp: 279537

Ion Ratio Lower Upper

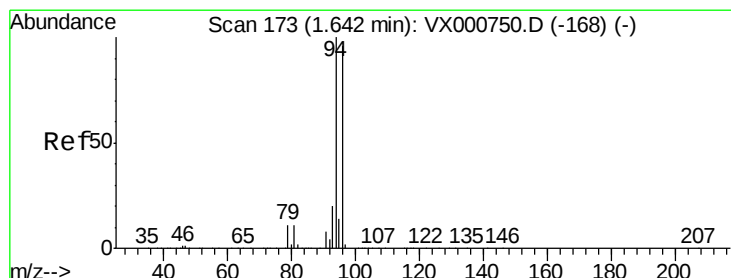
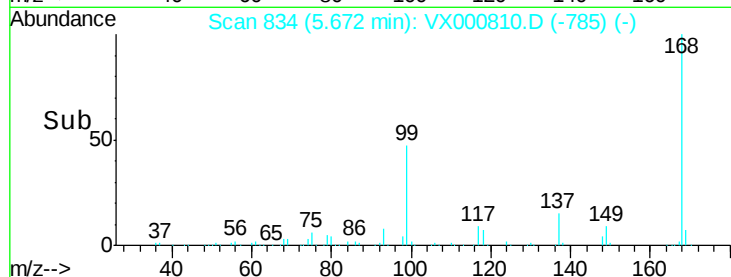
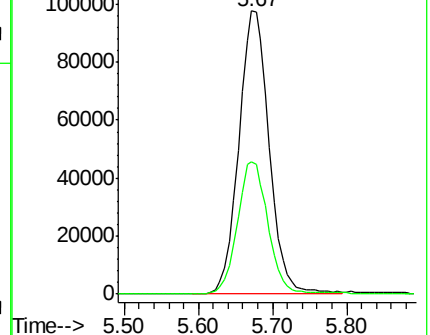
168 100

99 46.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.02 min

Lab File: VX000810.D

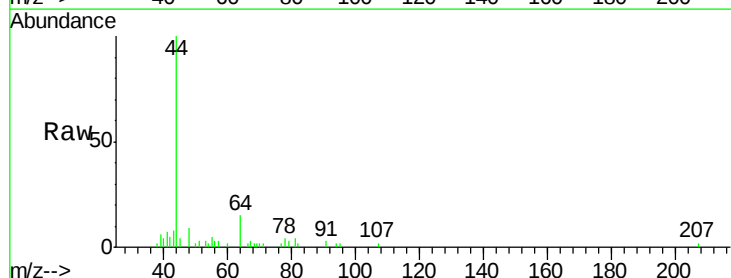
Acq: 12 Apr 2018 18:40

Tgt Ion: 94 Resp: 50

Ion Ratio Lower Upper

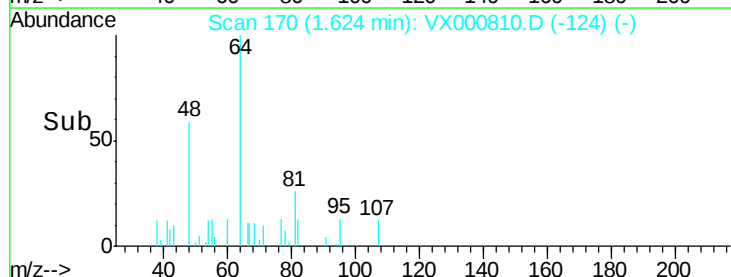
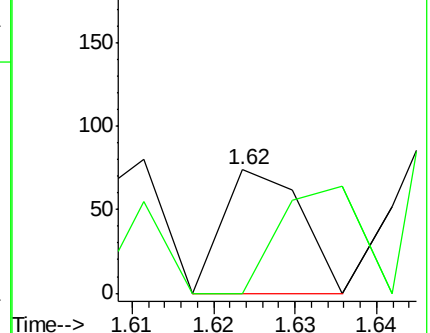
94 100

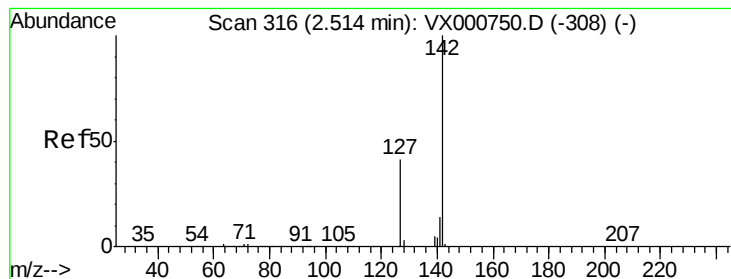
96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 8.27 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-105

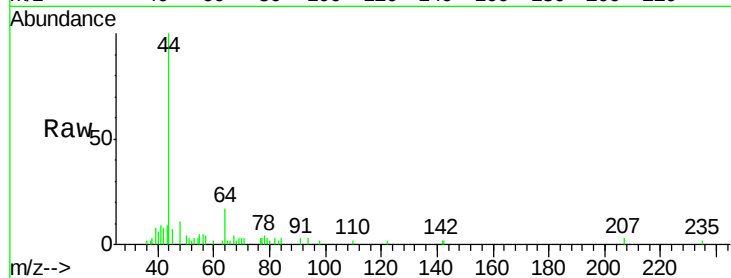
Tgt Ion: 142 Resp: 107

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

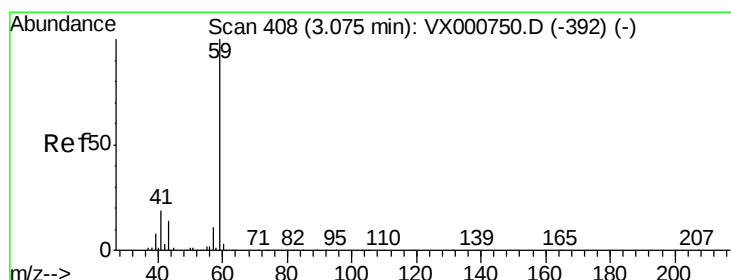
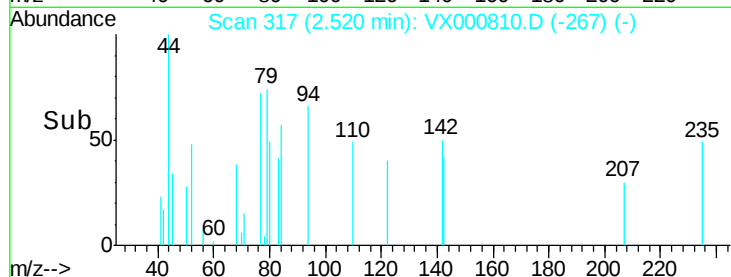
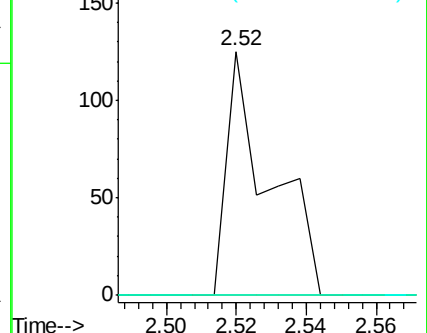
141 0.0 11.5 17.3#



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: 0.81 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX000810.D

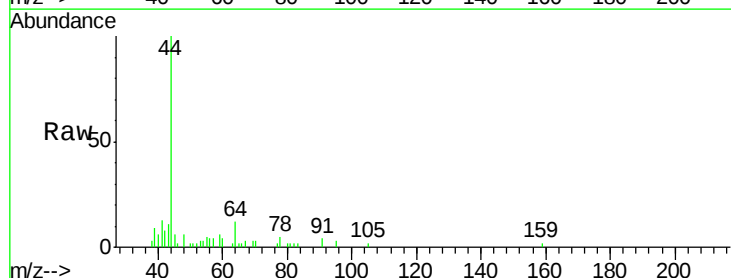
Acq: 12 Apr 2018 18:40

Tgt Ion: 59 Resp: 506

Ion Ratio Lower Upper

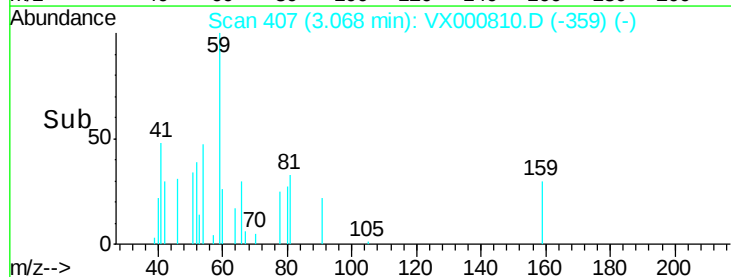
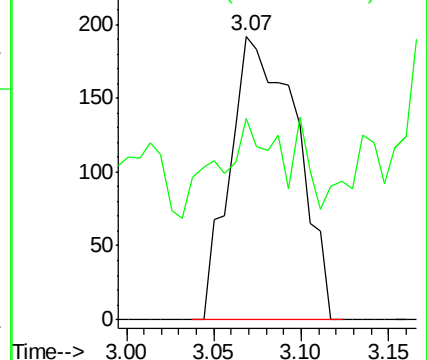
59 100

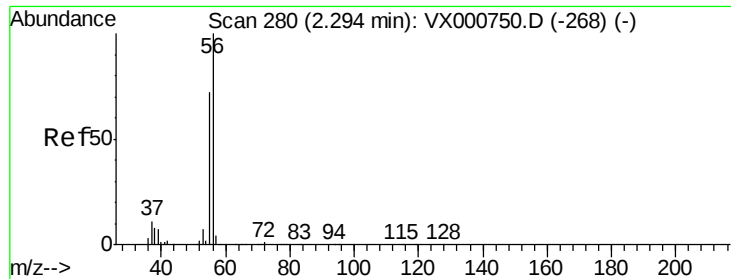
57 29.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.48 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

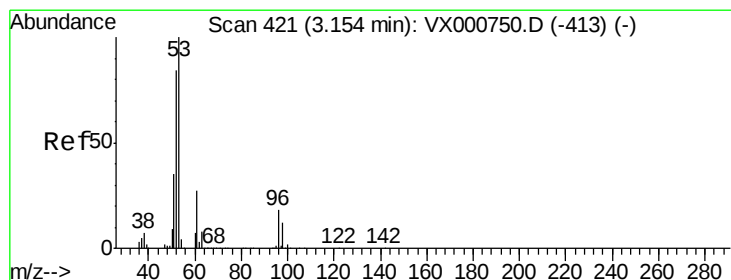
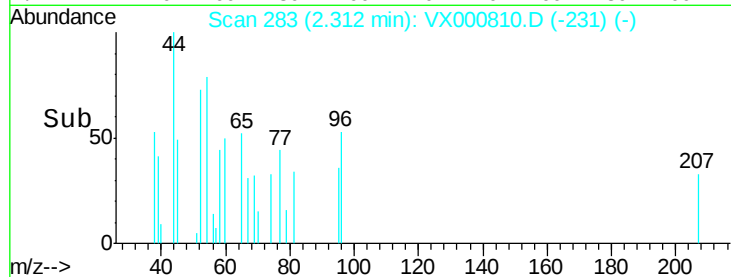
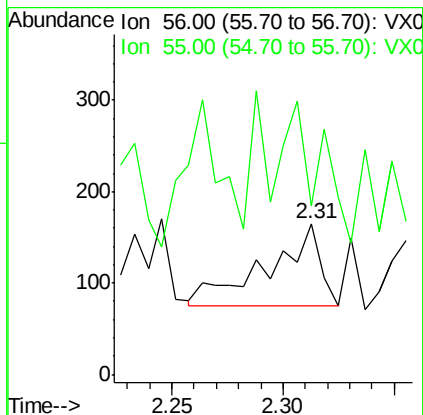
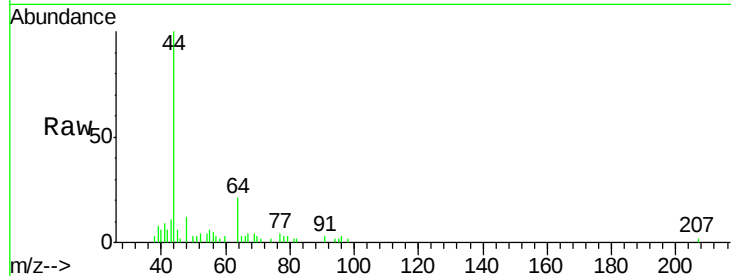
MW-105

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 0.0 58.7 88.1#



#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

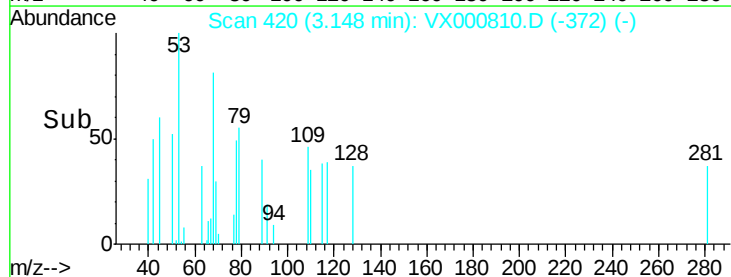
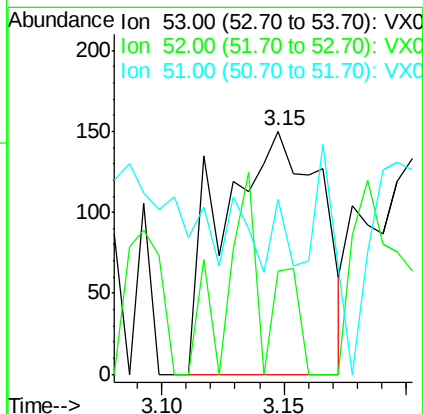
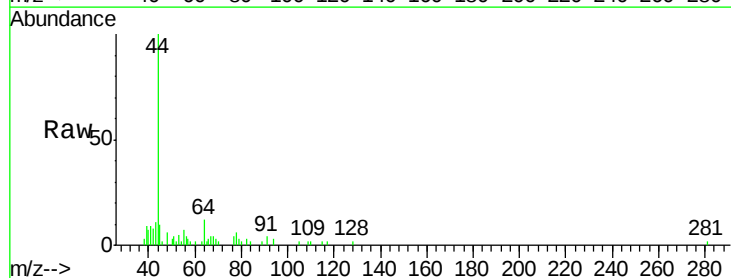
Tgt Ion: 53 Resp: 422

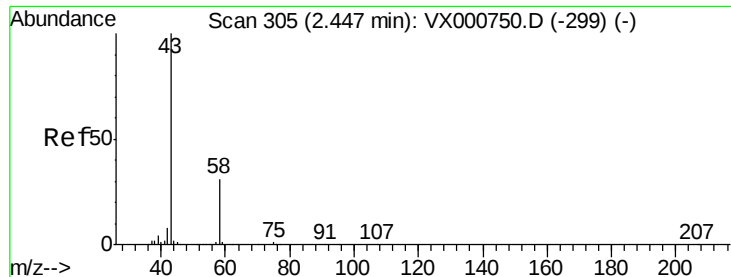
Ion Ratio Lower Upper

53 100

52 34.8 66.5 99.7#

51 0.0 28.8 43.2#





#16

Acetone

Concen: 4.04 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

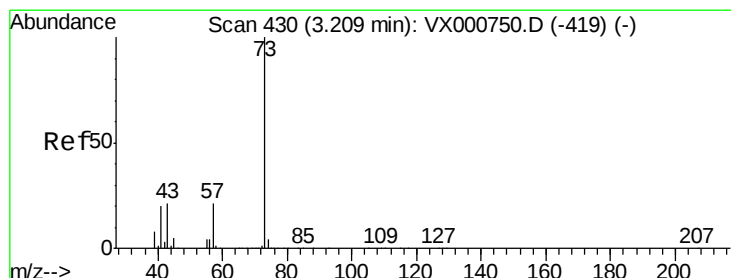
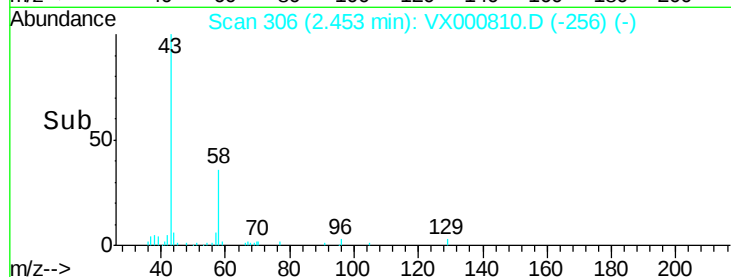
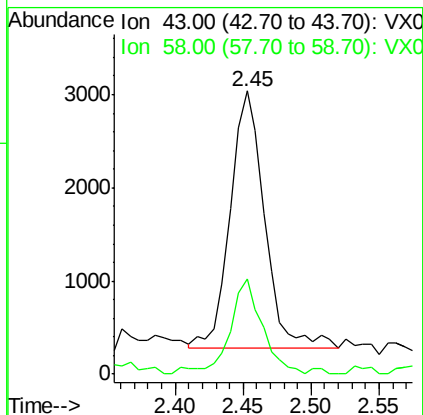
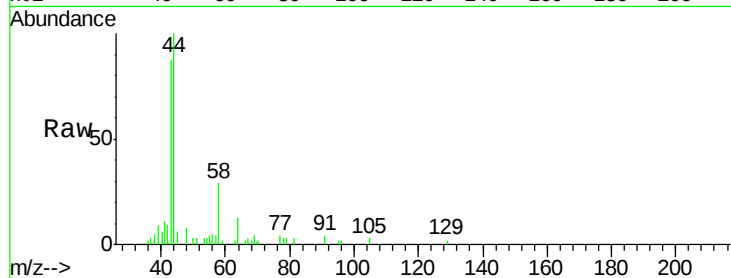
MW-105

Tgt Ion: 43 Resp: 4914

Ion Ratio Lower Upper

43 100

58 37.2 24.6 37.0#



#19

Methyl tert-butyl Ether

Concen: 0.72 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX000810.D

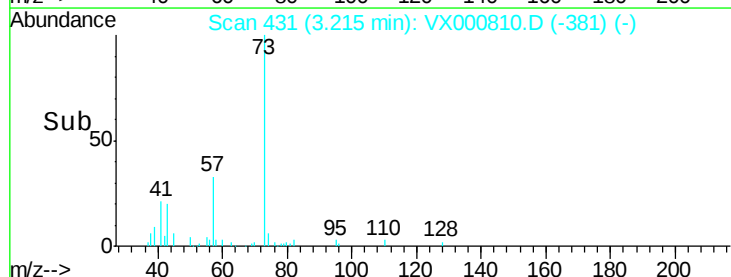
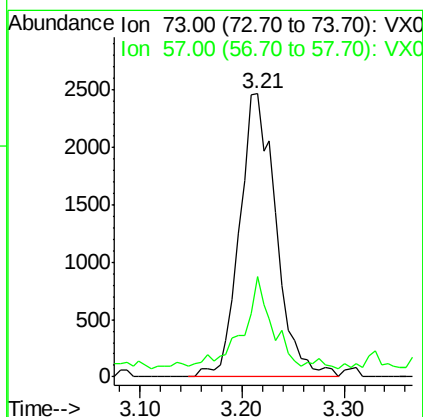
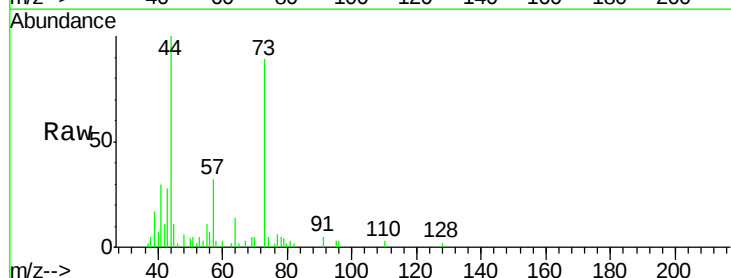
Acq: 12 Apr 2018 18:40

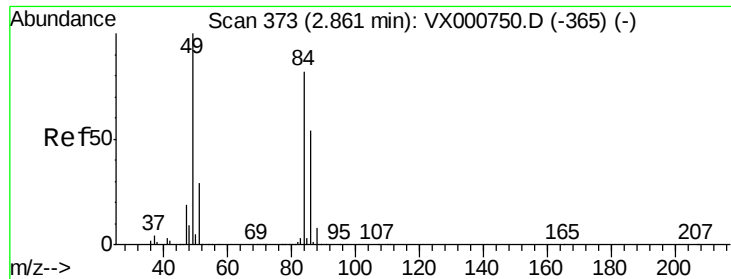
Tgt Ion: 73 Resp: 6125

Ion Ratio Lower Upper

73 100

57 32.4 16.9 25.3#





#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

MW-105

Tgt Ion: 84 Resp: 597

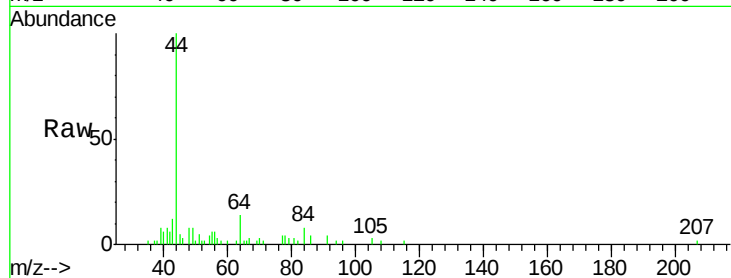
Ion Ratio Lower Upper

84 100

49 101.1 98.1 147.1

51 34.9 28.9 43.3

86 53.9 52.7 79.1

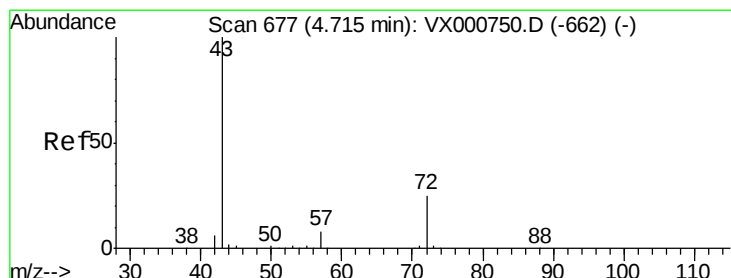
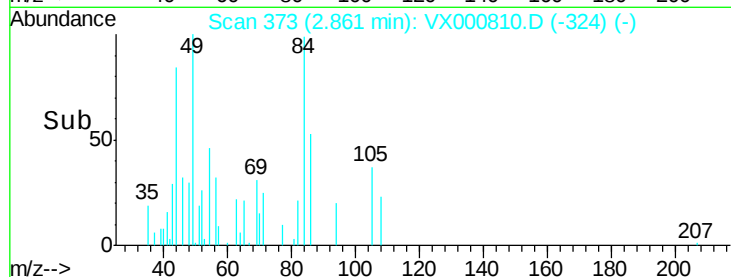
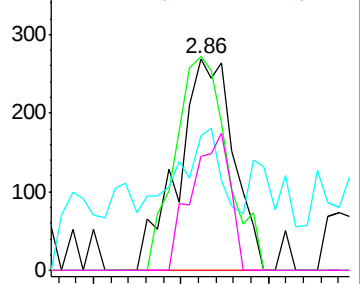


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.29 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000810.D

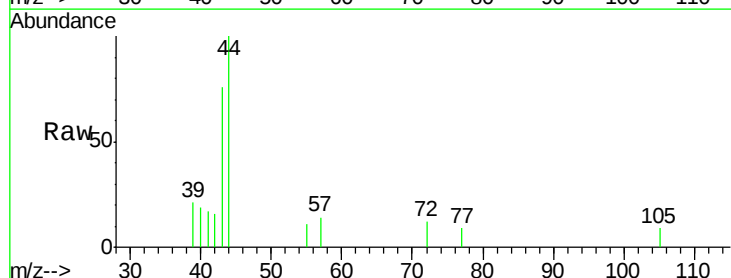
Acq: 12 Apr 2018 18:40

Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

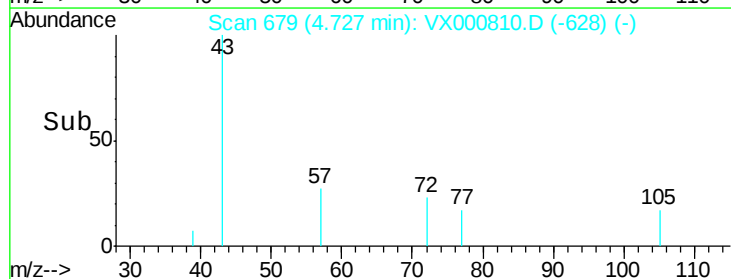
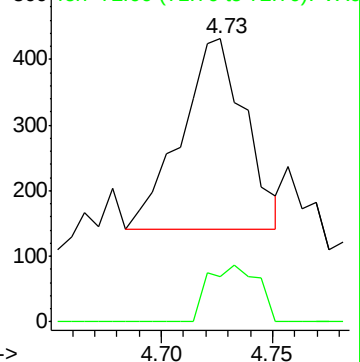
43 100

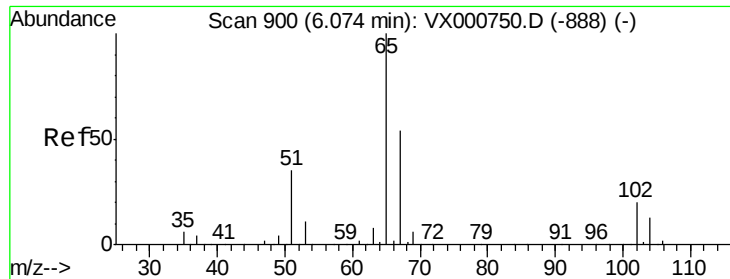
72 24.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

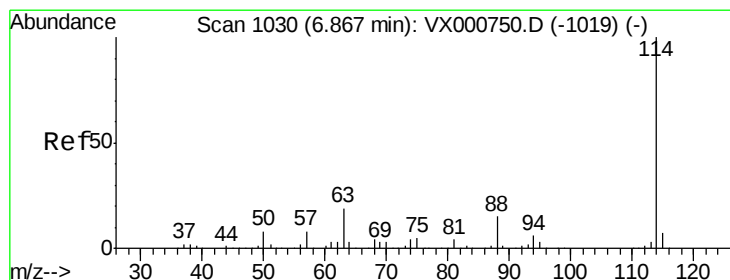
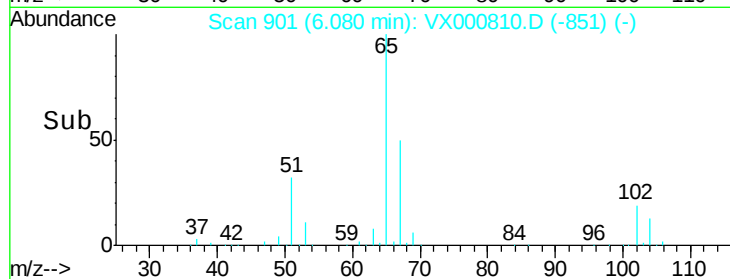
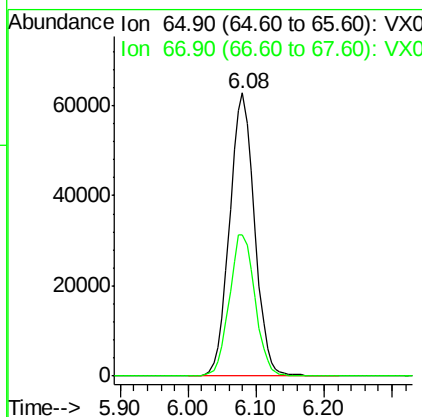
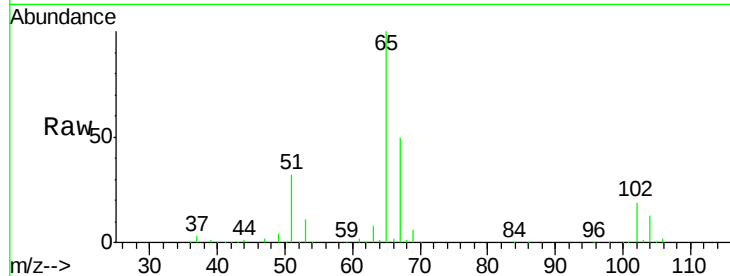




#33
 1,2-Dichloroethane-d4
 Concen: 45.22 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000810.D
 Acq: 12 Apr 2018 18:40

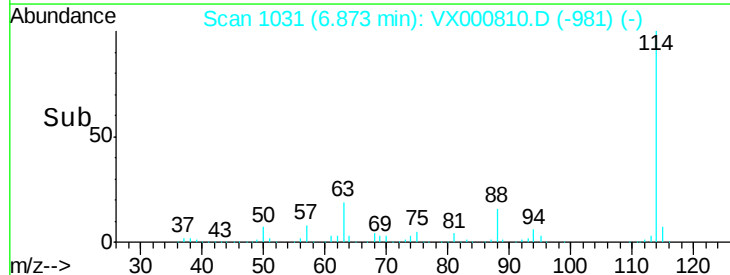
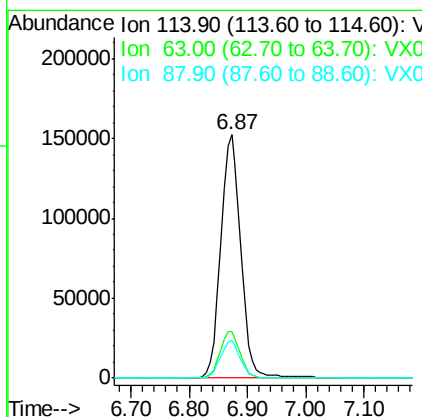
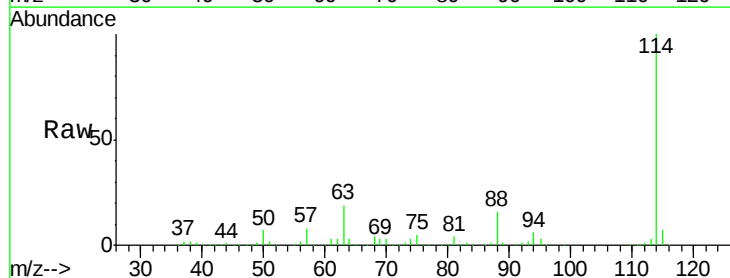
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 MW-105

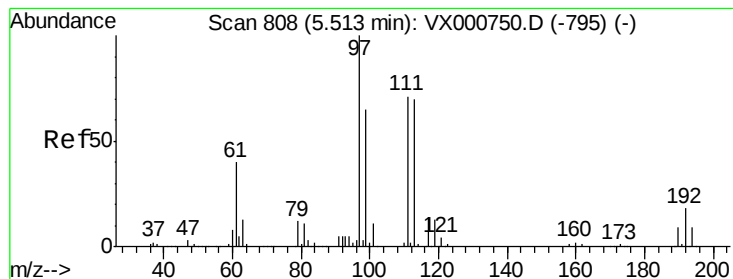
Tgt Ion: 65 Resp: 159399
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000810.D
 Acq: 12 Apr 2018 18:40

Tgt Ion: 114 Resp: 363667
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.46 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-105

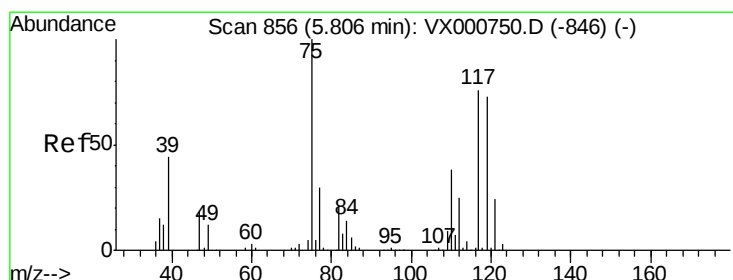
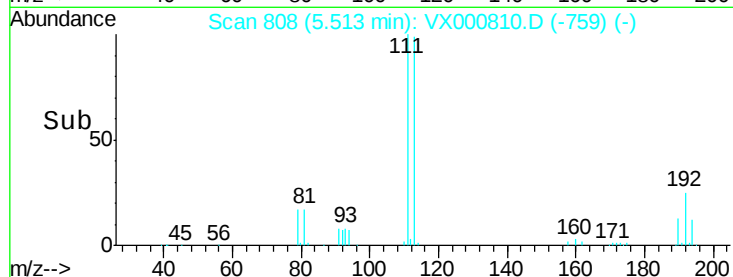
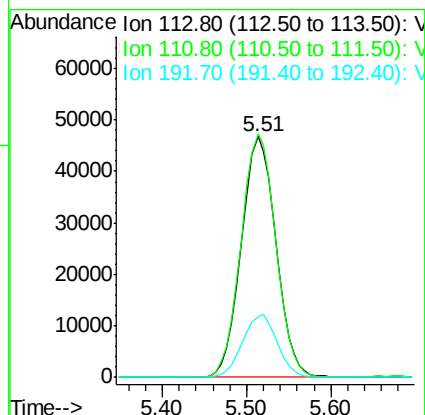
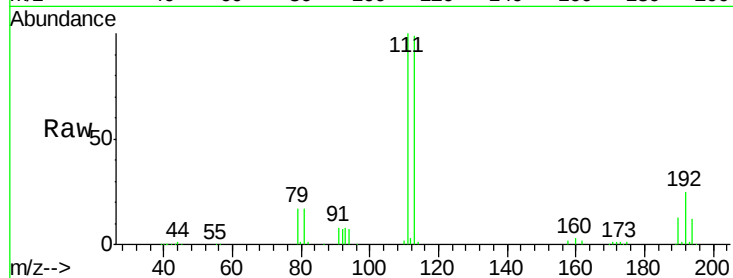
Tgt Ion:113 Resp: 130168

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

192 26.2 20.4 30.6



#36

1,1-Dichloropropene

Concen: 4.11 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

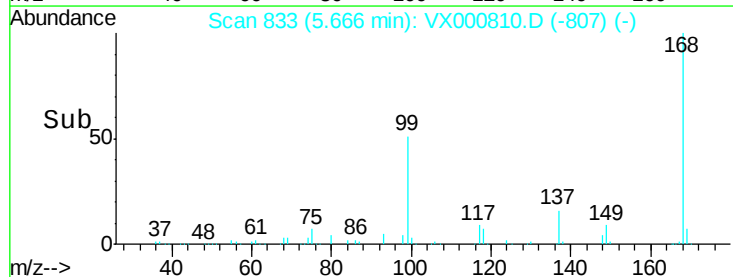
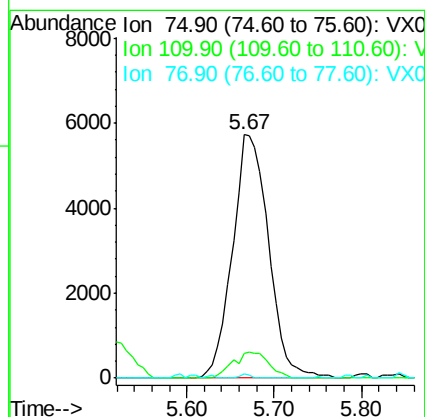
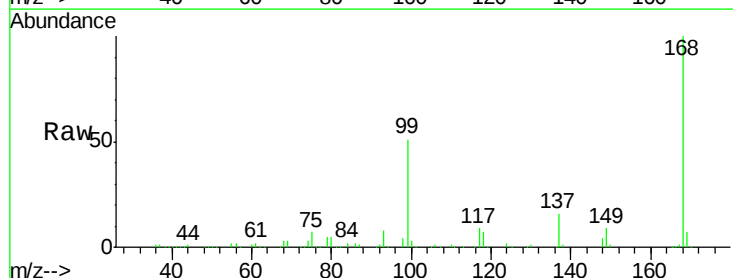
Tgt Ion: 75 Resp: 16448

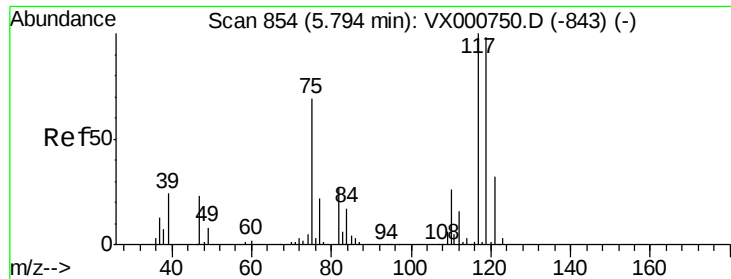
Ion Ratio Lower Upper

75 100

110 10.5 19.2 57.6#

77 0.4 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.26 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

MW-105

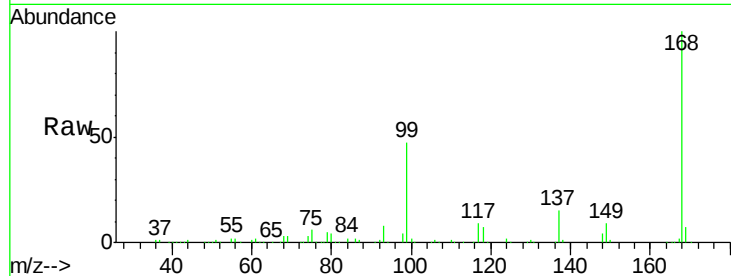
Tgt Ion: 117 Resp: 23589

Ion Ratio Lower Upper

117 100

119 4.8 78.4 117.6#

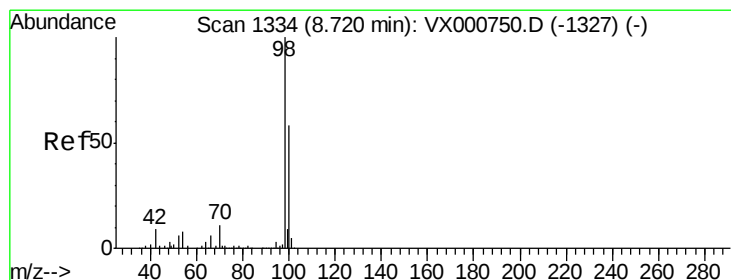
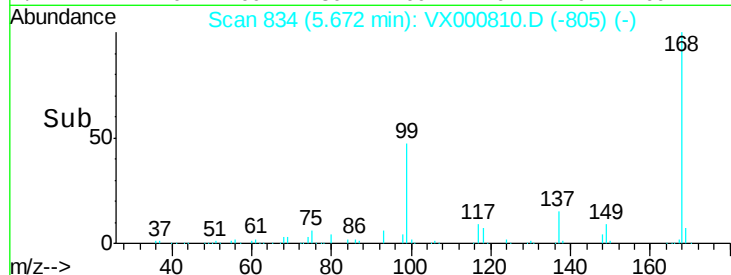
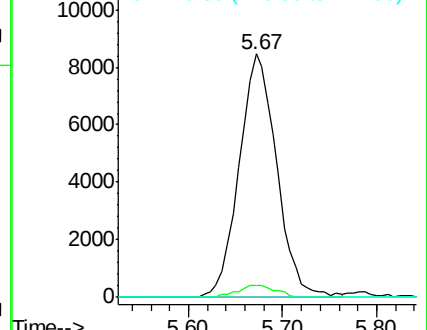
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 47.66 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000810.D

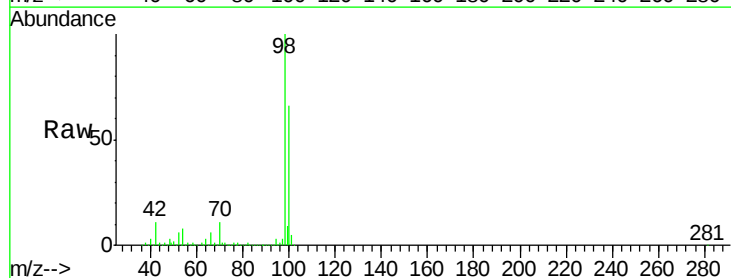
Acq: 12 Apr 2018 18:40

Tgt Ion: 98 Resp: 497204

Ion Ratio Lower Upper

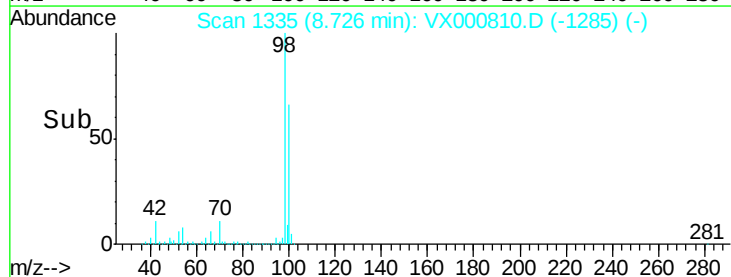
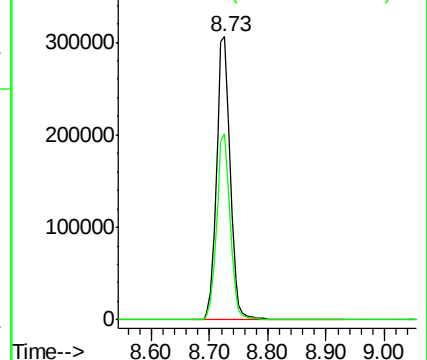
98 100

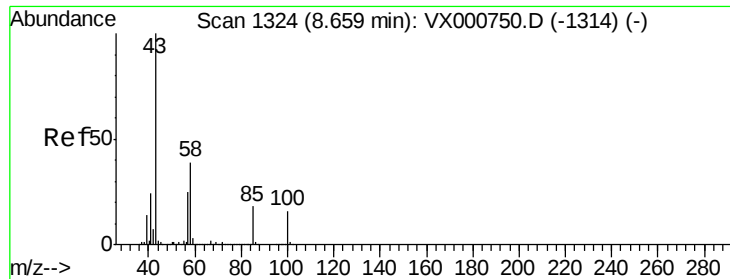
100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

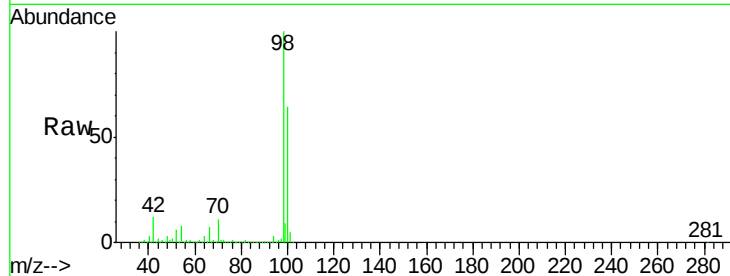
MW-105

Tgt Ion: 43 Resp: 2147

Ion Ratio Lower Upper

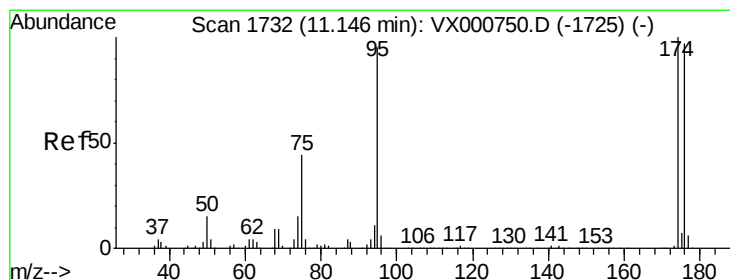
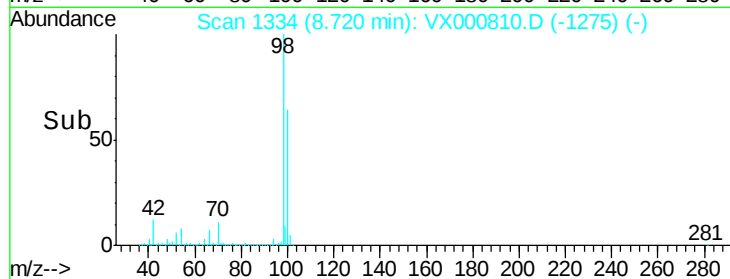
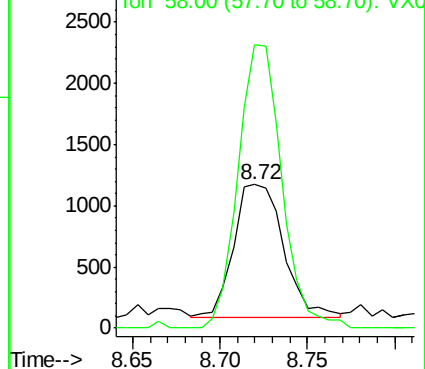
43 100

58 188.5 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.84 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

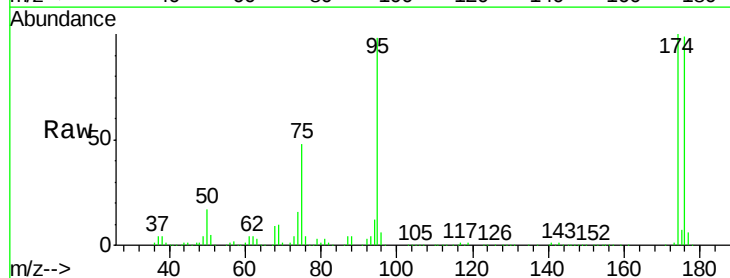
Tgt Ion: 95 Resp: 189226

Ion Ratio Lower Upper

95 100

174 97.9 0.0 198.4

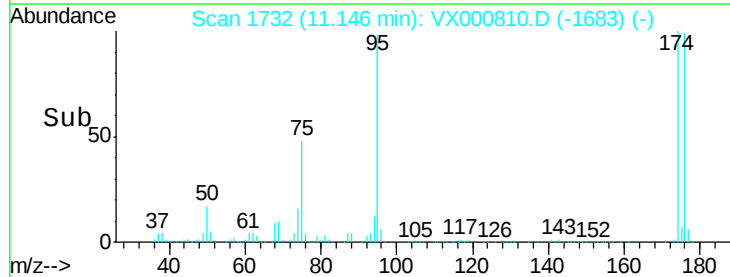
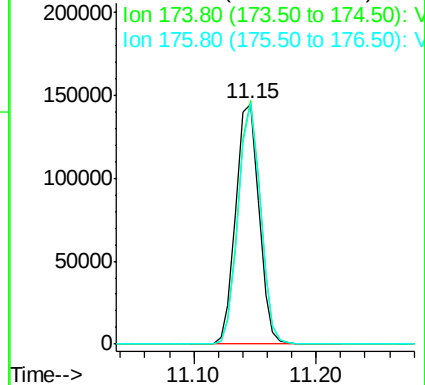
176 96.0 0.0 194.4

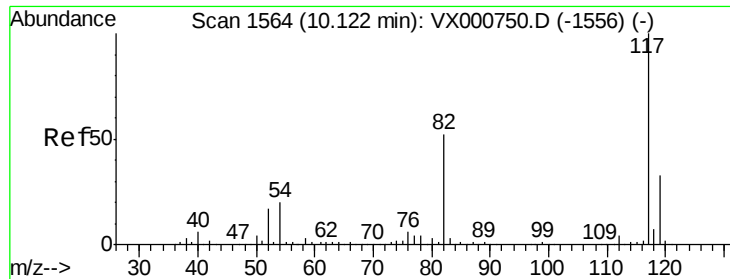


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

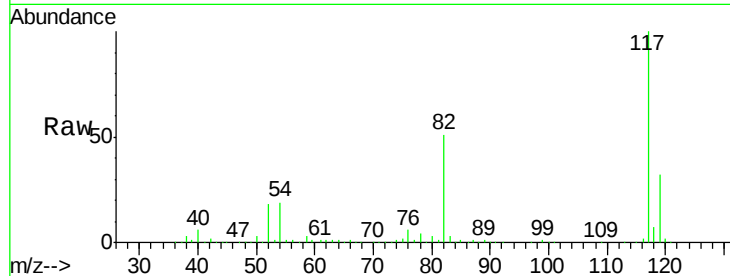




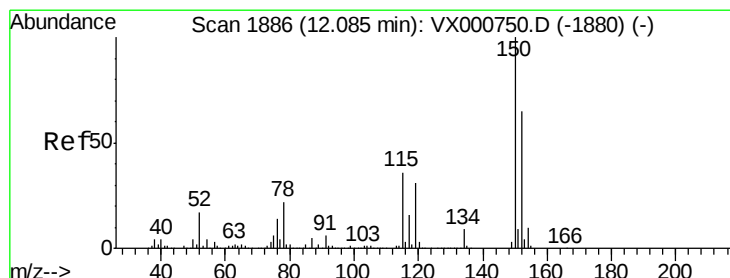
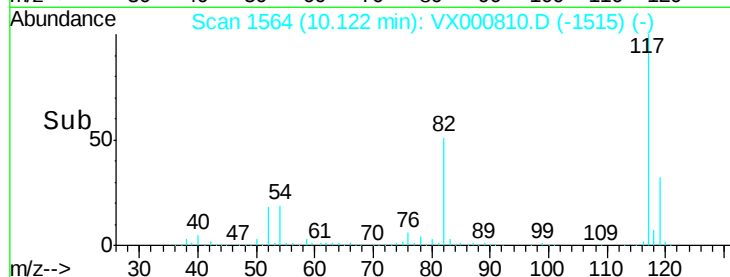
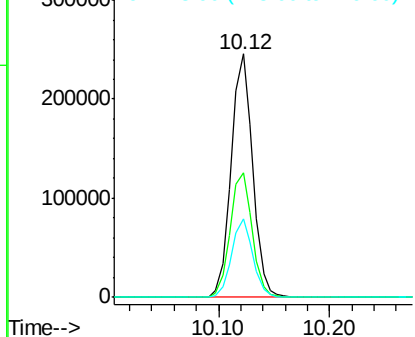
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000810.D
Acq: 12 Apr 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-105

Tgt Ion:117 Resp: 328544
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 32.1 26.0 39.0

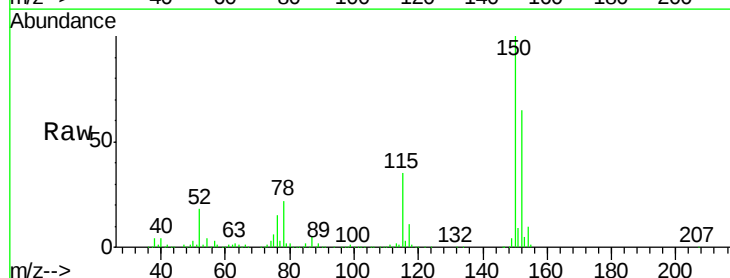


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

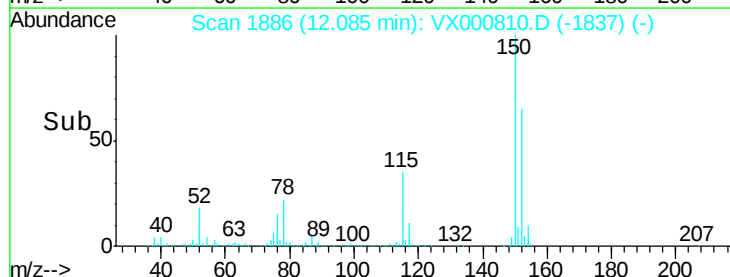
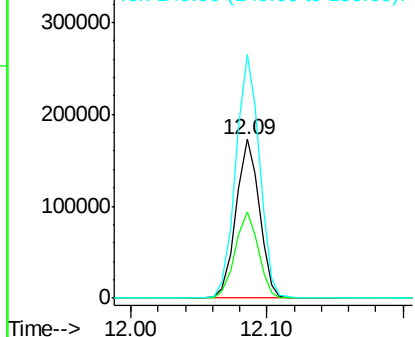


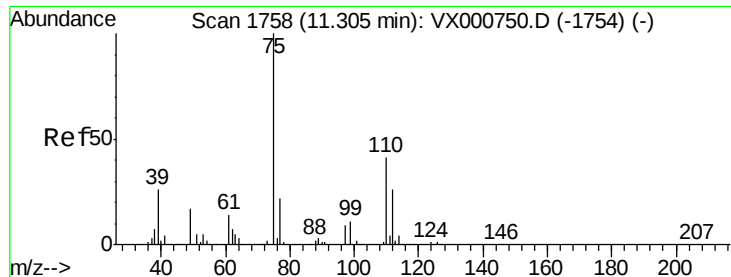
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000810.D
Acq: 12 Apr 2018 18:40

Tgt Ion:152 Resp: 206417
Ion Ratio Lower Upper
152 100
115 54.1 37.9 113.7
150 155.4 0.0 348.0



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: 26.03 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

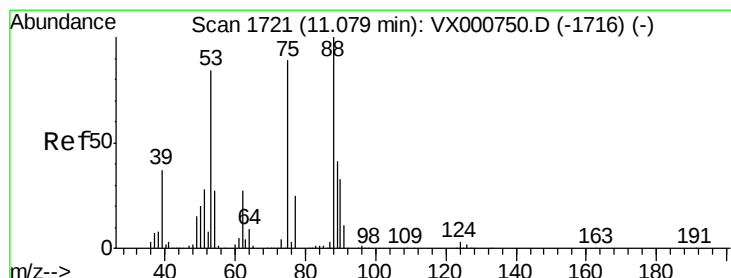
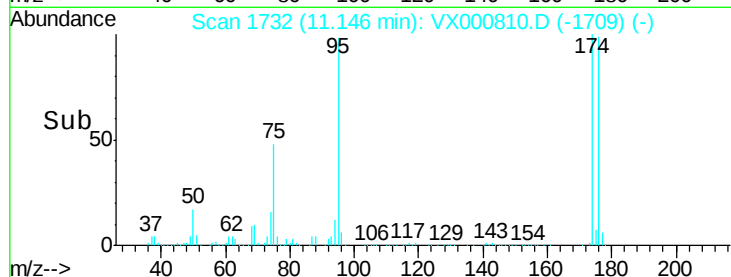
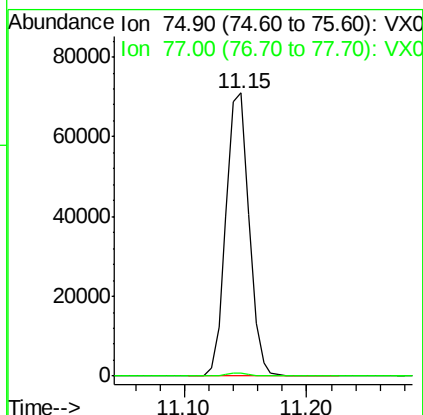
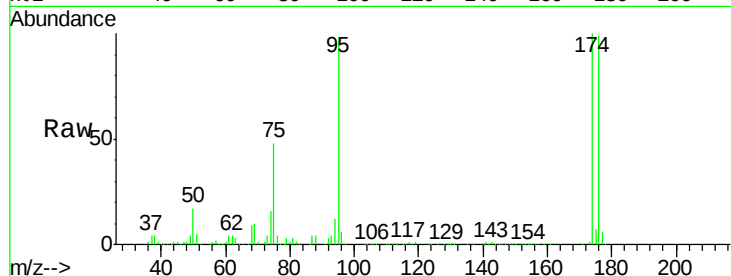
MW-105

Tgt Ion: 75 Resp: 92656

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.60 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000810.D

Acq: 12 Apr 2018 18:40

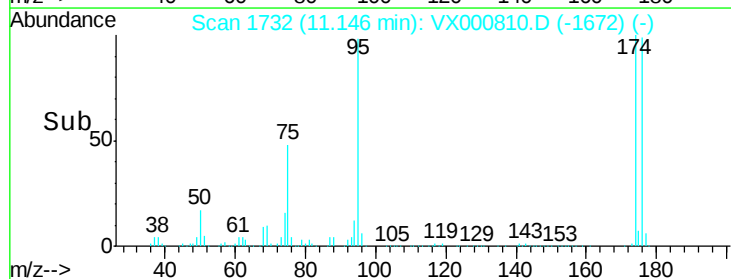
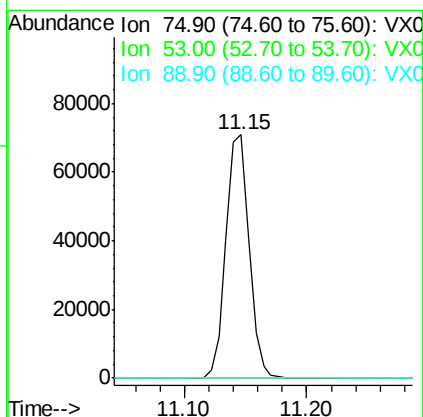
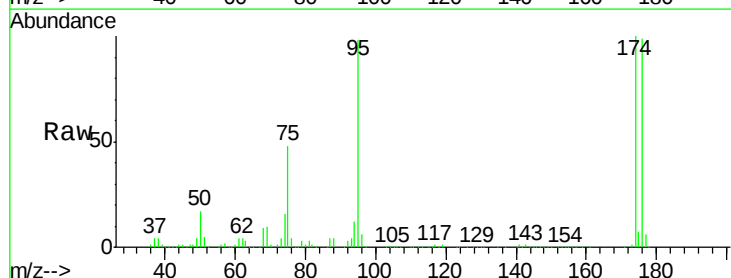
Tgt Ion: 75 Resp: 92656

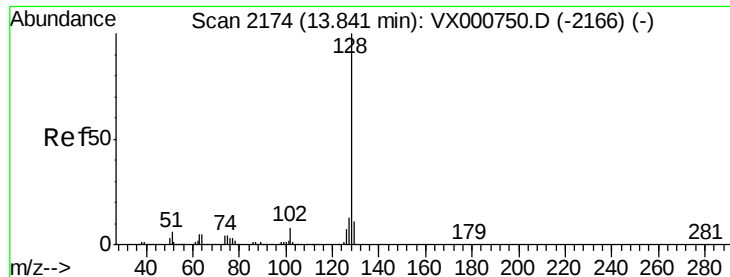
Ion Ratio Lower Upper

75 100

53 0.1 75.4 113.0#

89 0.0 40.9 61.3#

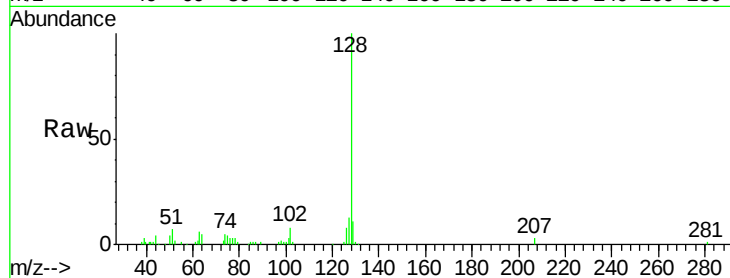




#95
Naphthalene
Concen: 1.01 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000810.D
Acq: 12 Apr 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-105

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.3	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

