

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000811.D
 Acq On : 12 Apr 2018 19:05
 Operator : JC/MD
 Sample : J2236-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101

Quant Time: Apr 13 06:56:29 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	5.68	168	282432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	213211	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	160348	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
35) Dibromofluoromethane	5.51	113	131025	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	8.73	98	498746	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.15	95	195163	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

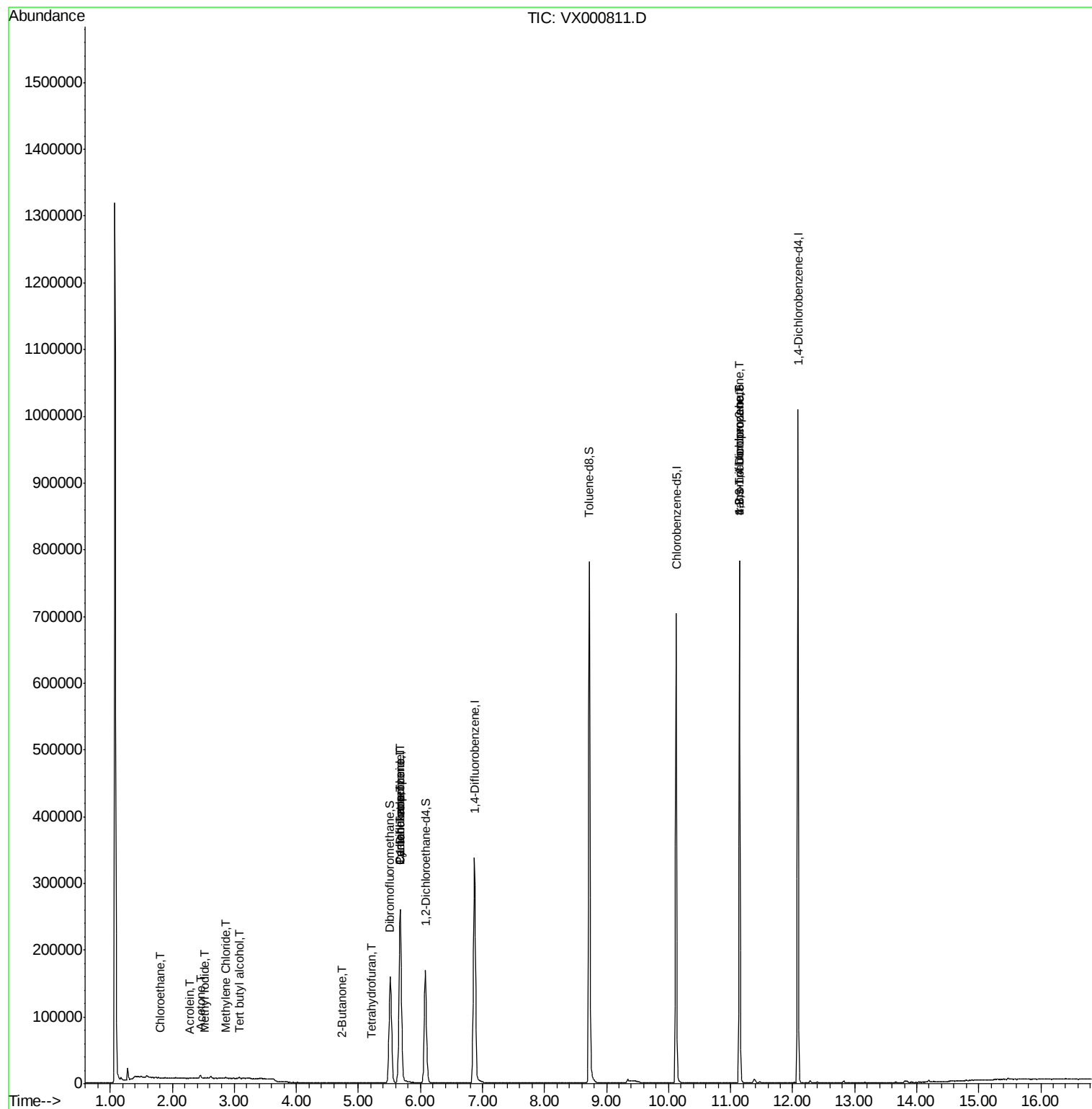
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	336	Below Cal		95
6) Chloroethane	1.81	64	578	0.31	ug/l #	45
10) Methyl Iodide	2.53	142	89	8.27	ug/l #	42
11) Tert butyl alcohol	3.08	59	1757	2.78	ug/l #	72
13) Acrolein	2.27	56	104	0.34	ug/l #	1
16) Acetone	2.45	43	5171	4.21	ug/l	94
20) Methylene Chloride	2.86	84	745	0.26	ug/l #	68
25) 2-Butanone	4.73	43	1021	0.50	ug/l	97
29) Tetrahydrofuran	5.20	42	588	0.46	ug/l #	43
31) Cyclohexane	5.67	56	4762	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16690	4.16	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23982	5.35	ug/l #	15
76) 1,2,3-Trichloropropane	11.15	75	95216	25.89	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	95216	71.23	ug/l #	11

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

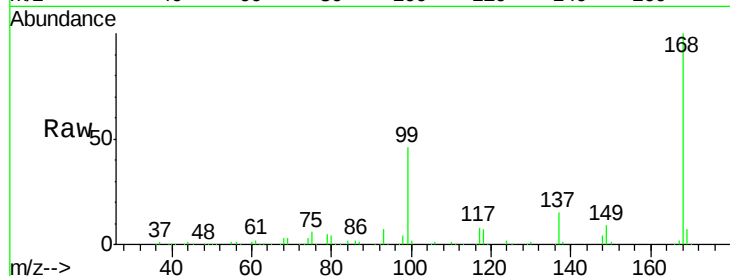
MW-101

Tgt Ion:168 Resp: 282432

Ion Ratio Lower Upper

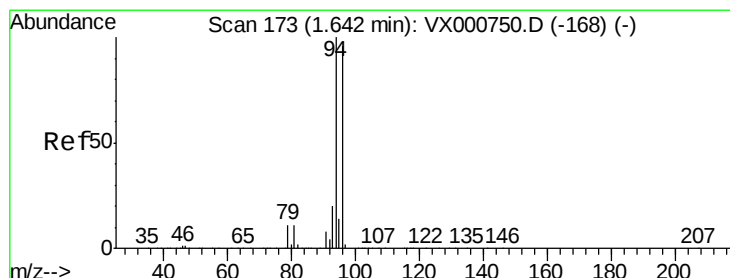
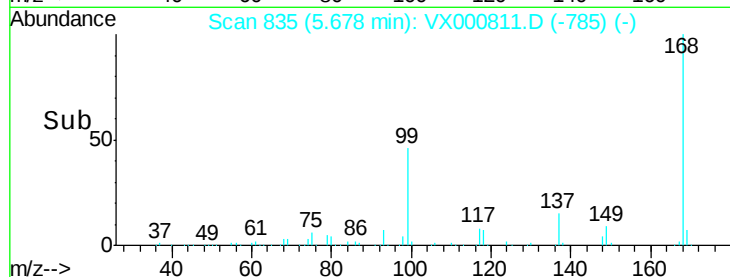
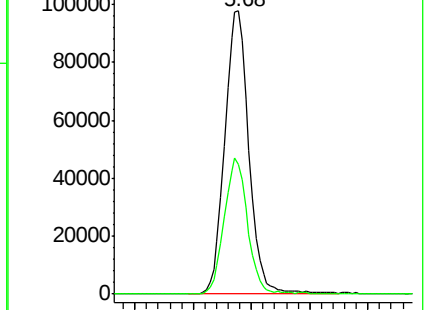
168 100

99 45.7 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: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000811.D

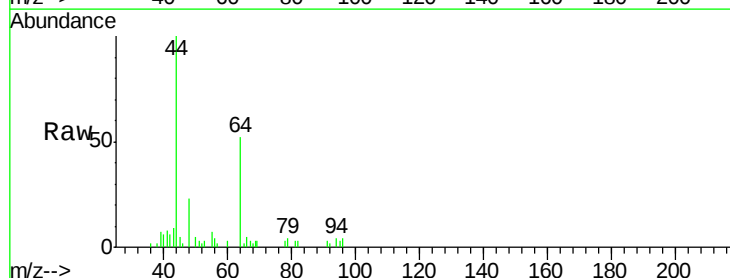
Acq: 12 Apr 2018 19:05

Tgt Ion: 94 Resp: 336

Ion Ratio Lower Upper

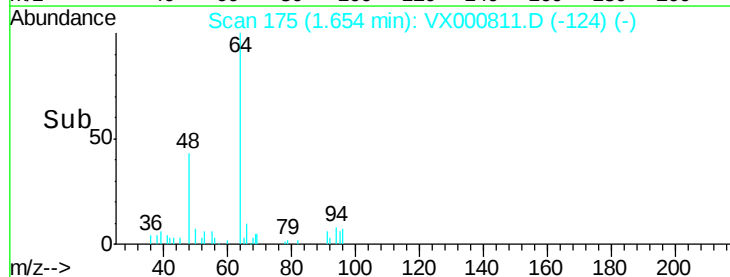
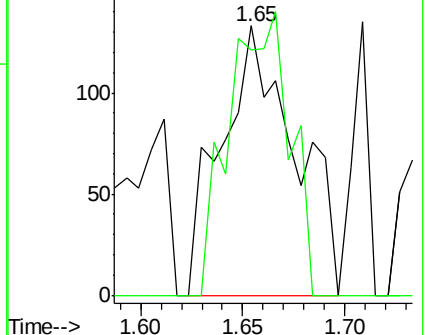
94 100

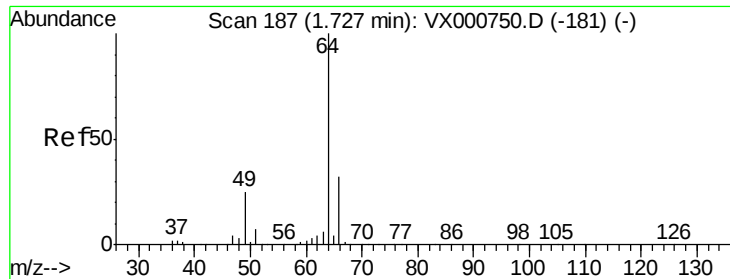
96 91.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.31 ug/l

RT: 1.81 min Scan# 201

Delta R.T. 0.09 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

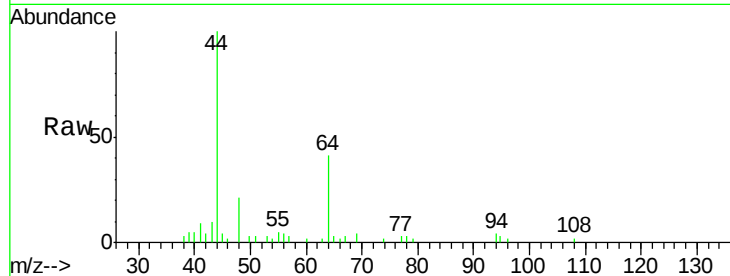
MW-101

Tgt Ion: 64 Resp: 578

Ion Ratio Lower Upper

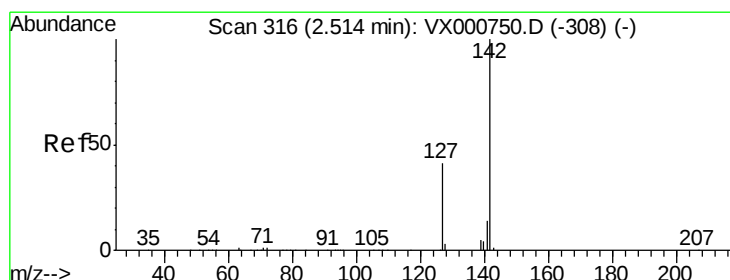
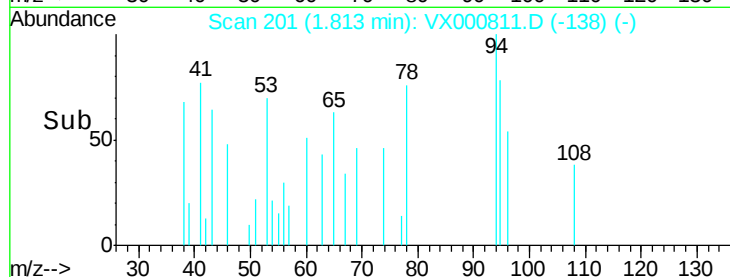
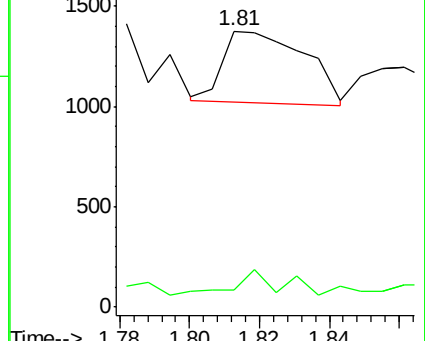
64 100

66 0.9 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 8.27 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

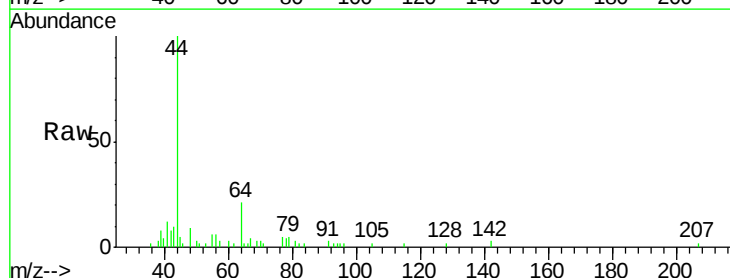
Tgt Ion: 142 Resp: 89

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

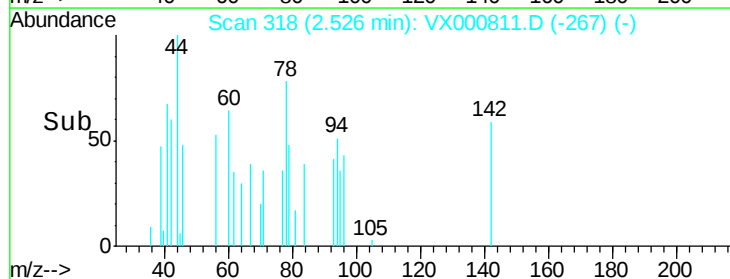
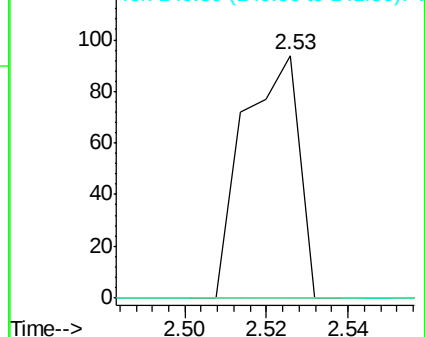
141 0.0 11.5 17.3#

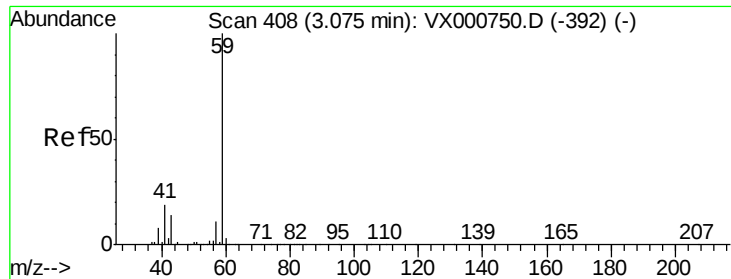


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

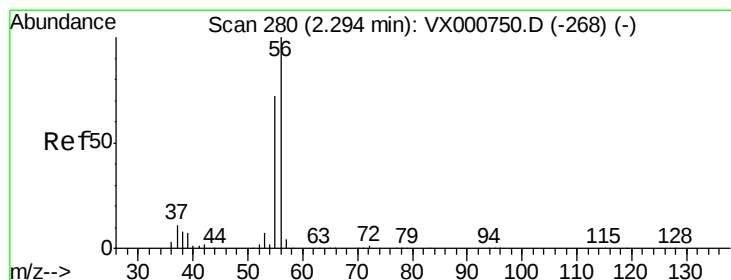
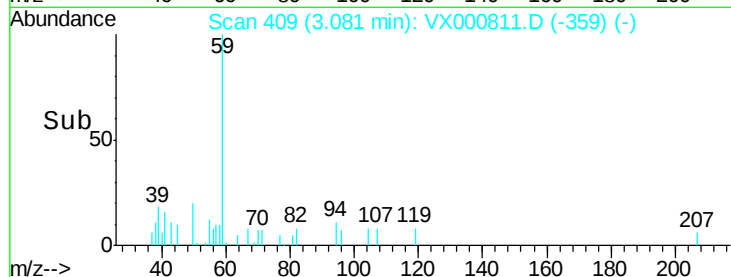
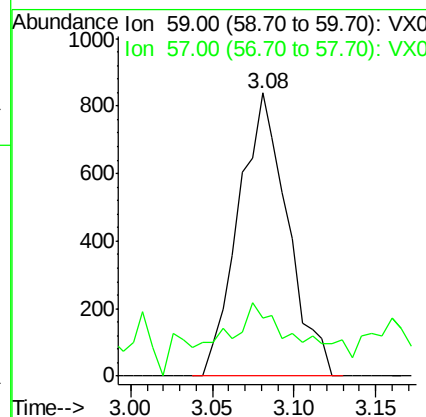
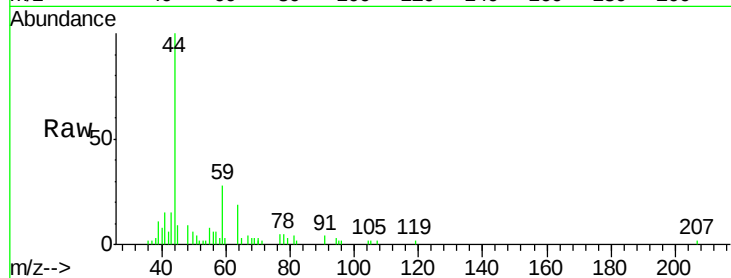




#11
Tert butyl alcohol
Concen: 2.78 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000811.D
Acq: 12 Apr 2018 19:05

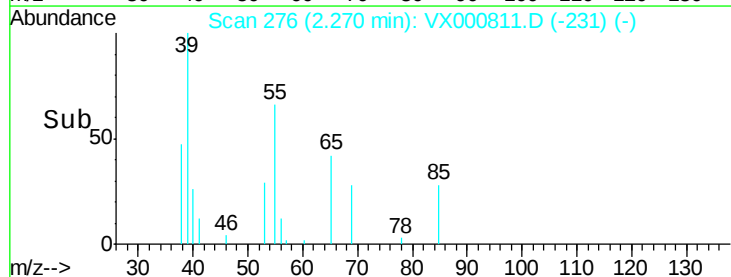
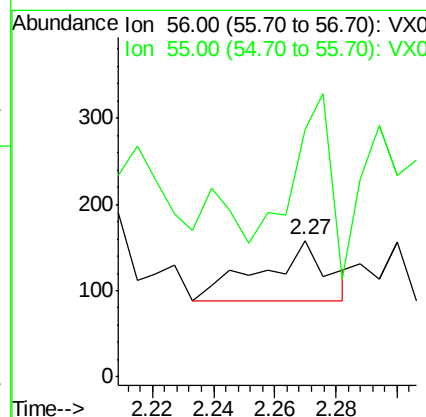
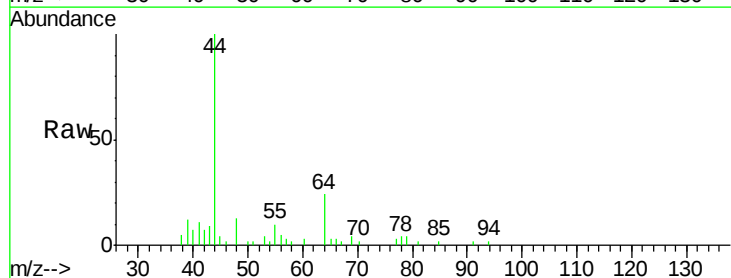
Instrument :
MSVOA_X
ClientSampleId :
MW-101

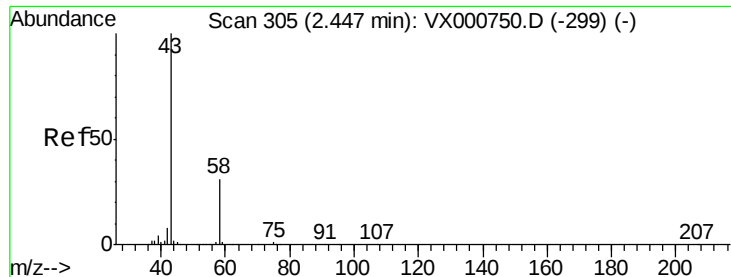
Tgt Ion: 59 Resp: 1757
Ion Ratio Lower Upper
59 100
57 20.9 8.4 12.6#



#13
Acrolein
Concen: 0.34 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX000811.D
Acq: 12 Apr 2018 19:05

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 189.4 58.7 88.1#





#16

Acetone

Concen: 4.21 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

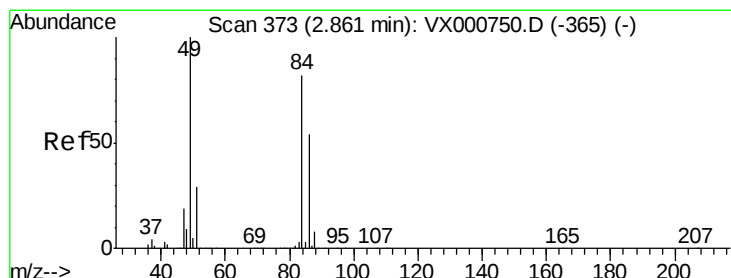
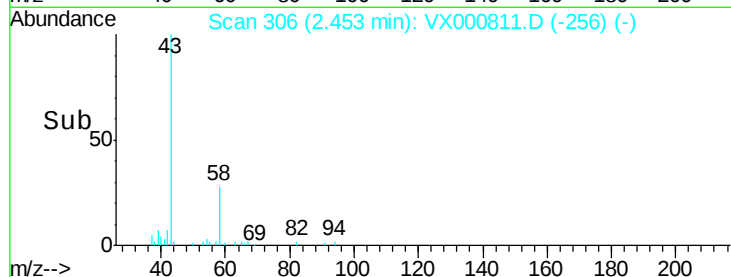
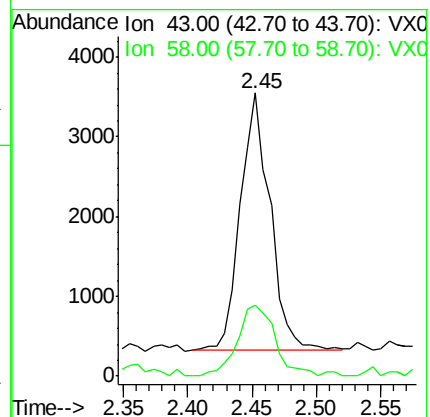
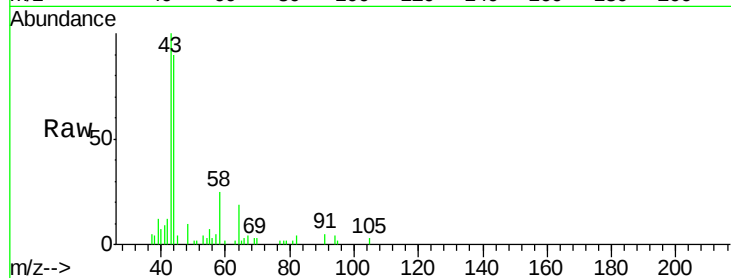
MW-101

Tgt Ion: 43 Resp: 5171

Ion Ratio Lower Upper

43 100

58 27.5 24.6 37.0



#20

Methylene Chloride

Concen: 0.26 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Tgt Ion: 84 Resp: 745

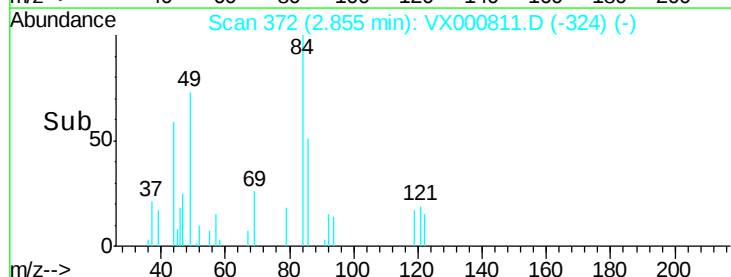
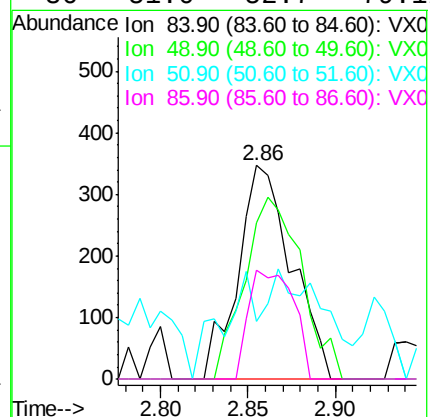
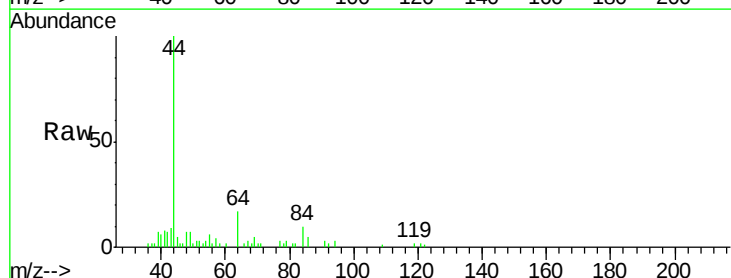
Ion Ratio Lower Upper

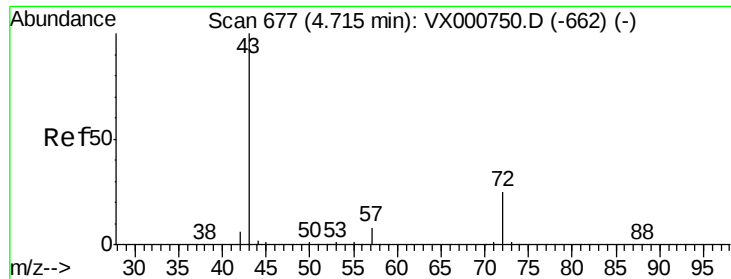
84 100

49 73.2 98.1 147.1#

51 27.1 28.9 43.3#

86 51.0 52.7 79.1#





#25

2-Butanone

Concen: 0.50 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

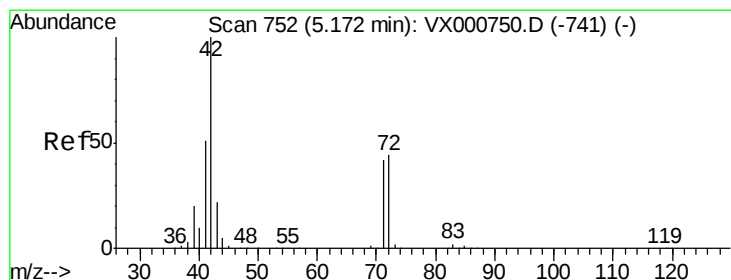
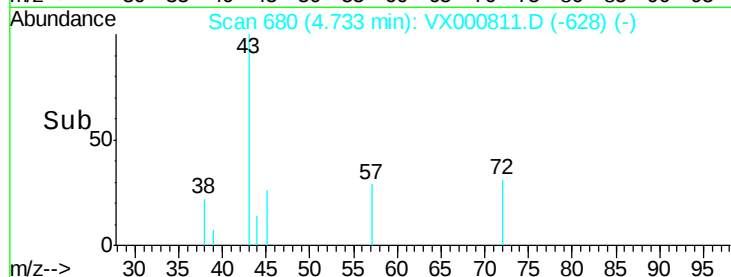
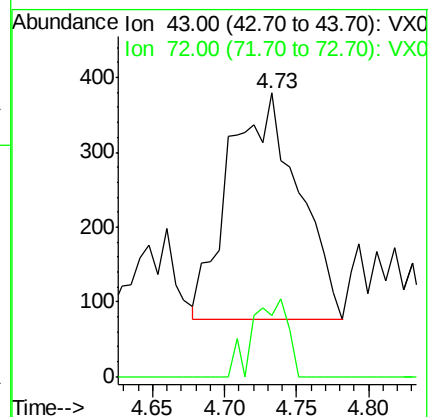
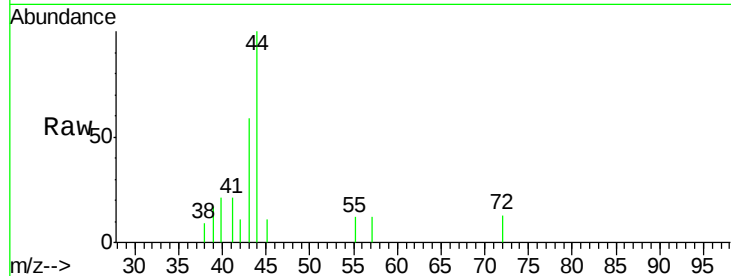
MW-101

Tgt Ion: 43 Resp: 1021

Ion Ratio Lower Upper

43 100

72 27.1 20.3 30.5



#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

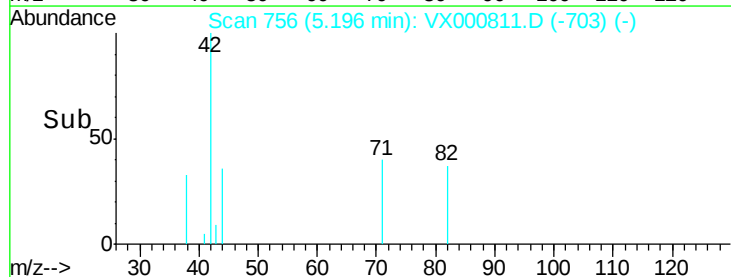
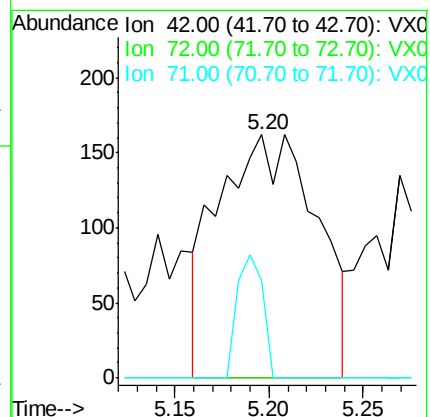
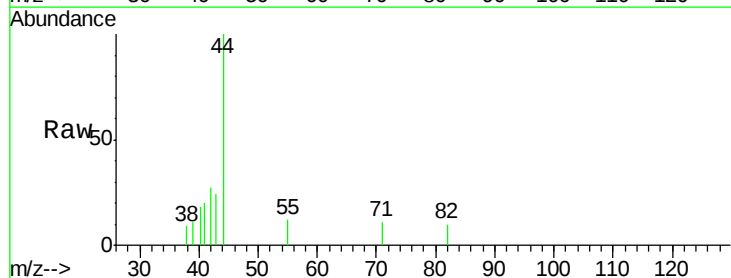
Tgt Ion: 42 Resp: 588

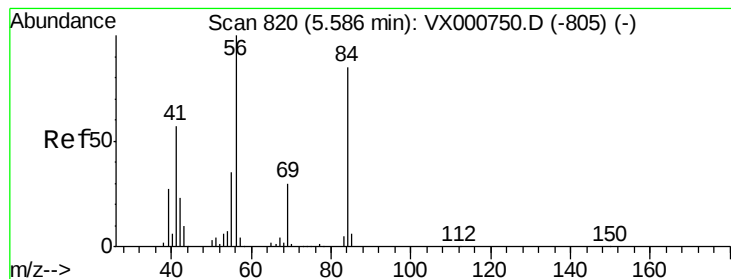
Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 13.3 32.8 49.2#





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

MW-101

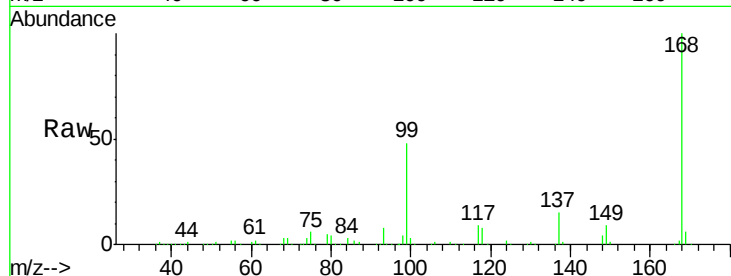
Tgt Ion: 56 Resp: 4762

Ion Ratio Lower Upper

56 100

69 173.8 24.2 36.4#

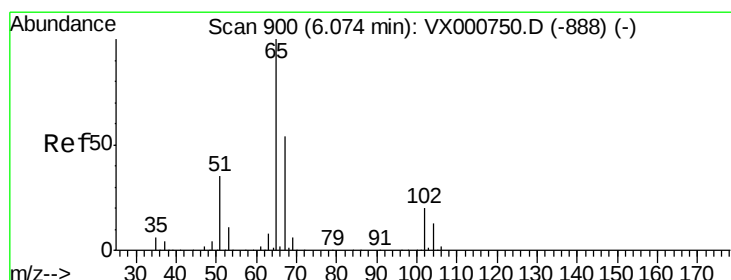
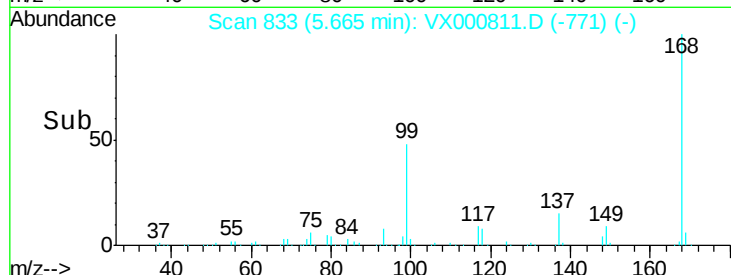
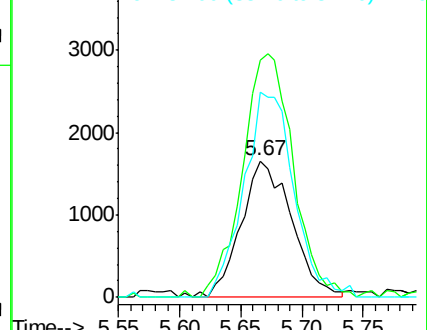
84 149.7 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.03 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000811.D

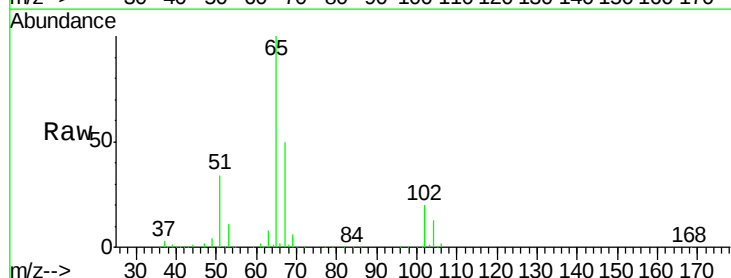
Acq: 12 Apr 2018 19:05

Tgt Ion: 65 Resp: 160348

Ion Ratio Lower Upper

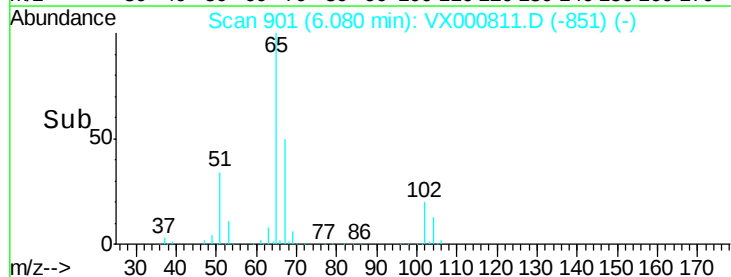
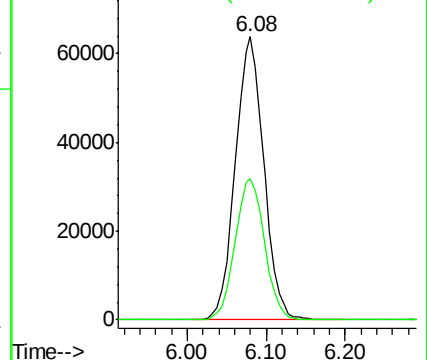
65 100

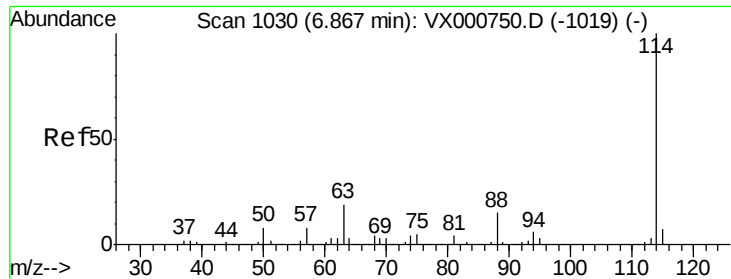
67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

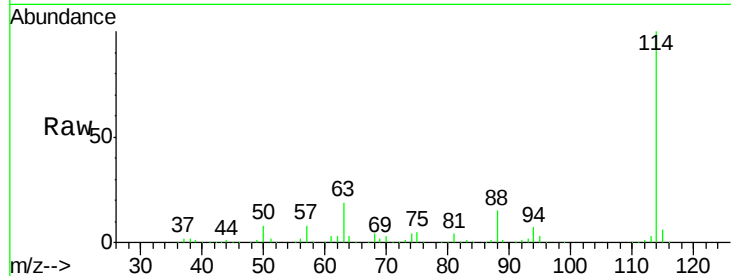




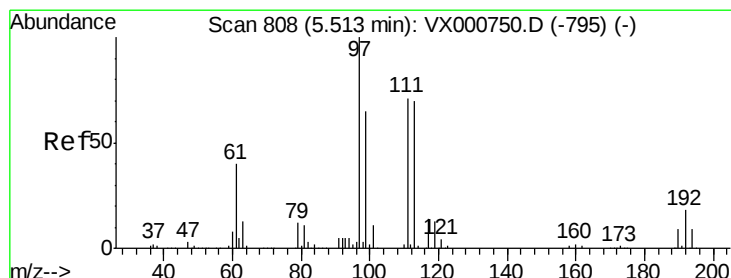
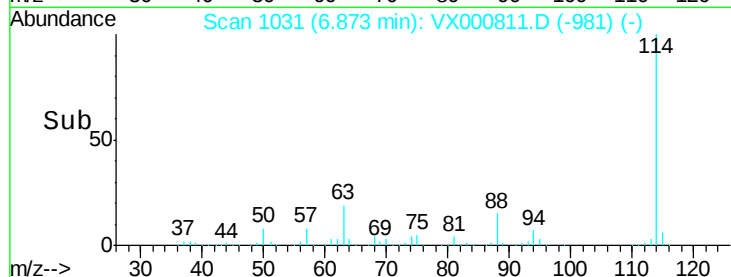
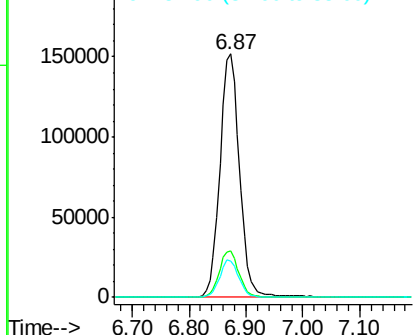
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000811.D
 Acq: 12 Apr 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101

Tgt Ion:114 Resp: 363901
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 14.8 0.0 31.0

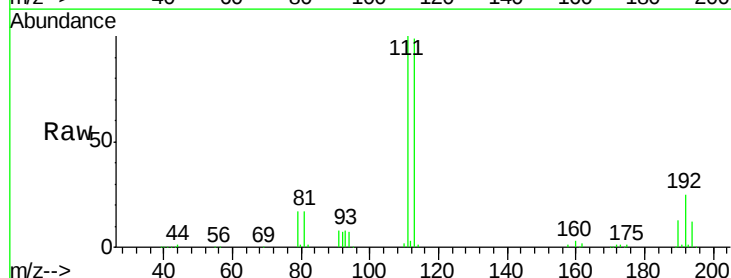


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

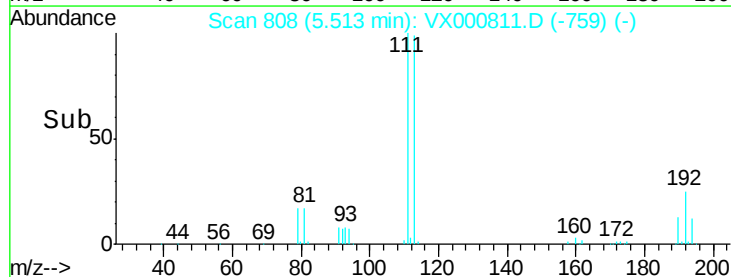
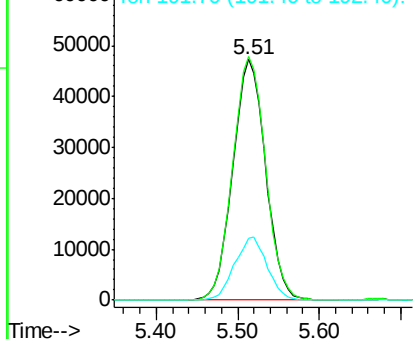


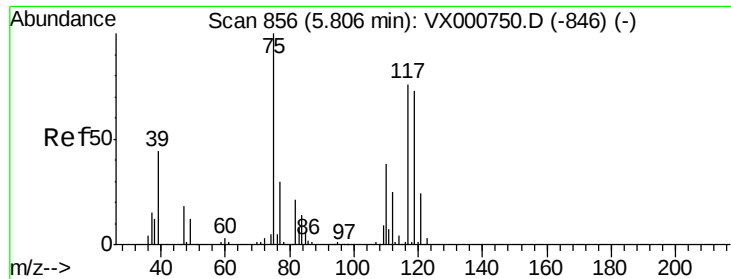
#35
 Dibromofluoromethane
 Concen: 46.73 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000811.D
 Acq: 12 Apr 2018 19:05

Tgt Ion:113 Resp: 131025
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 26.0 20.4 30.6



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

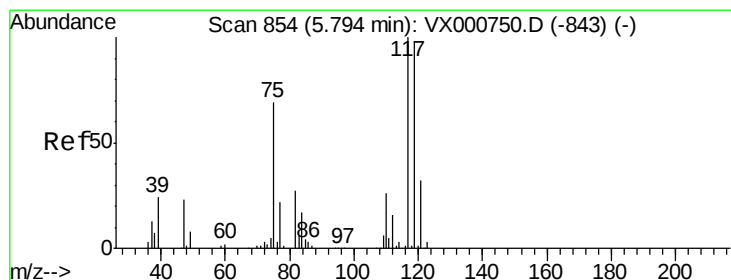
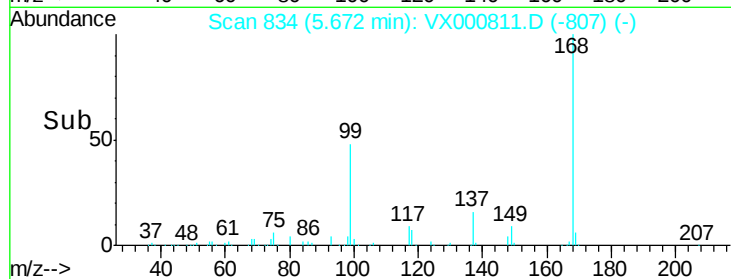
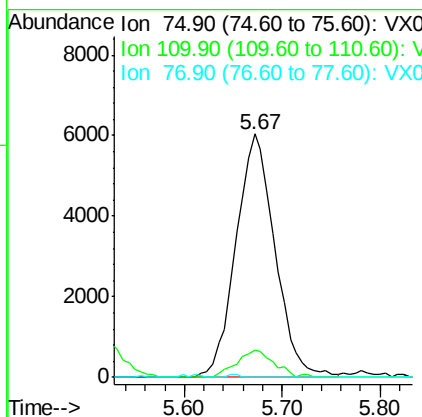
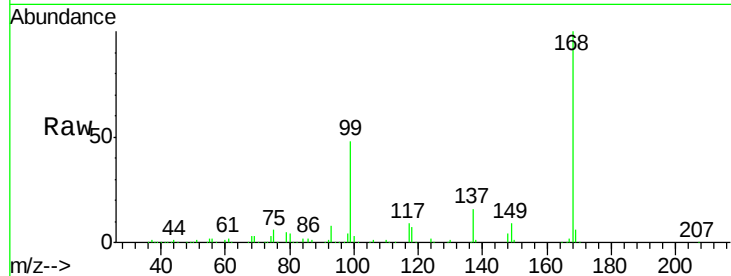




#36
 1,1-Dichloropropene
 Concen: 4.16 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000811.D
 Acq: 12 Apr 2018 19:05

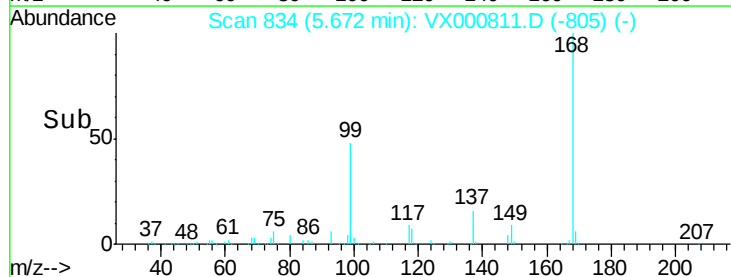
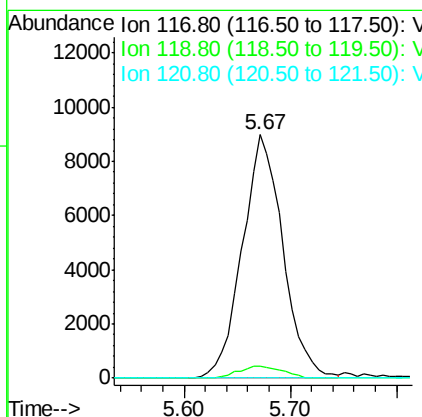
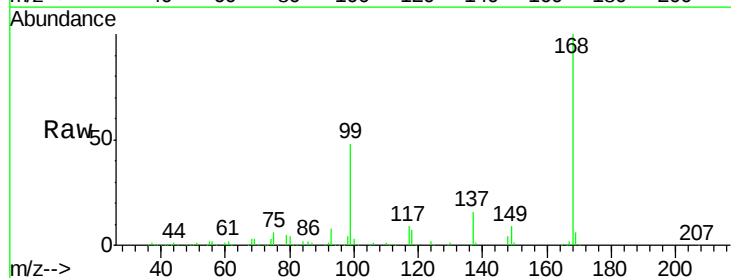
Instrument :
 MSVOA_X
 ClientSampled :
 MW-101

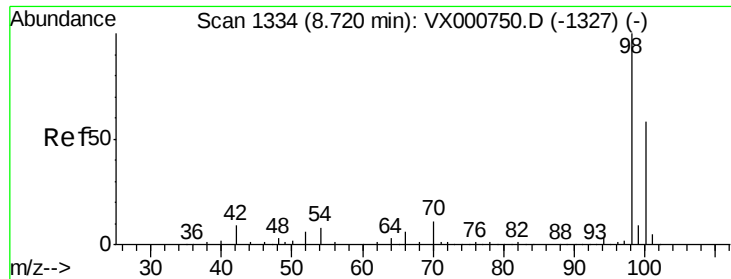
Tgt Ion: 75 Resp: 16690
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.3 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.35 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000811.D
 Acq: 12 Apr 2018 19:05

Tgt Ion: 117 Resp: 23982
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.4 117.6#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 47.78 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

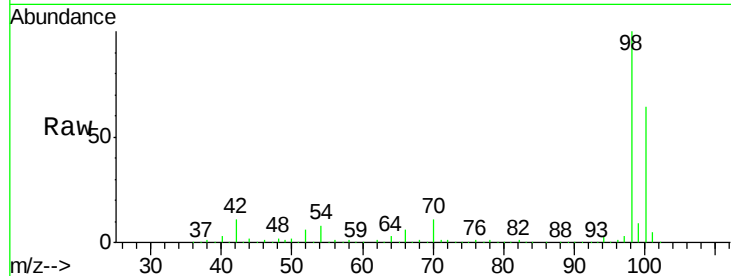
MW-101

Tgt Ion: 98 Resp: 498746

Ion Ratio Lower Upper

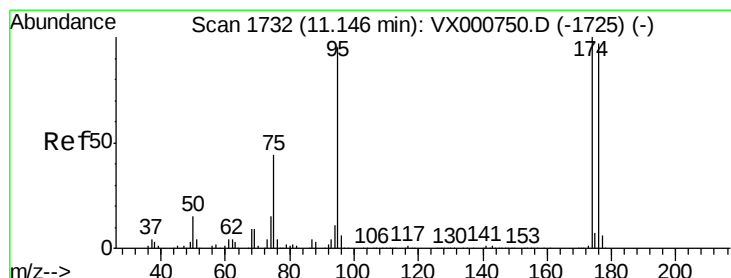
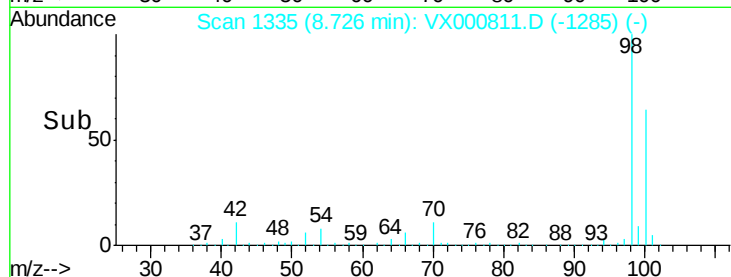
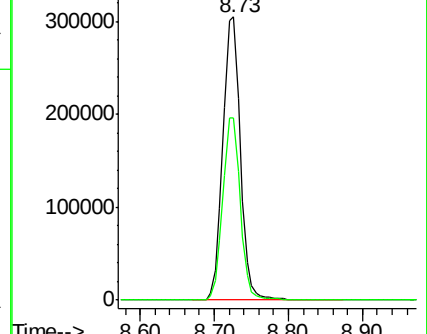
98 100

100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.19 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

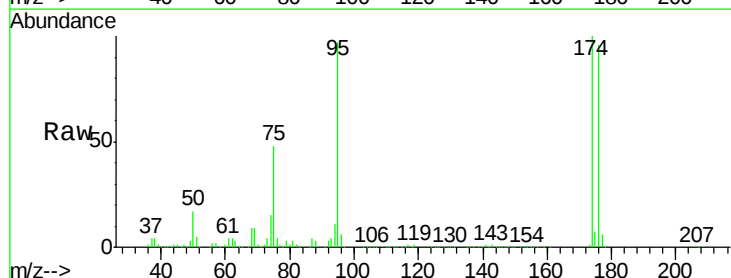
Tgt Ion: 95 Resp: 195163

Ion Ratio Lower Upper

95 100

174 98.1 0.0 198.4

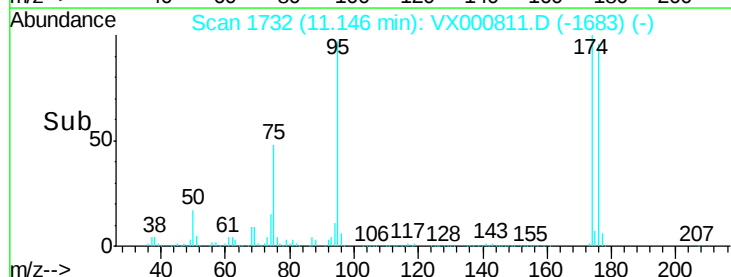
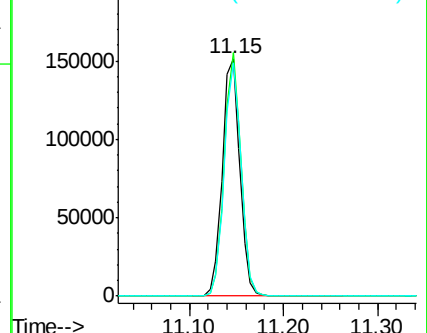
176 95.6 0.0 194.4

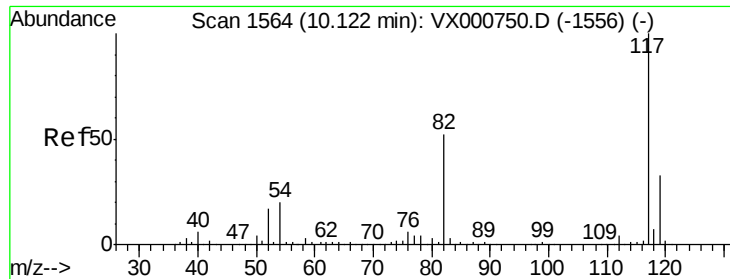


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

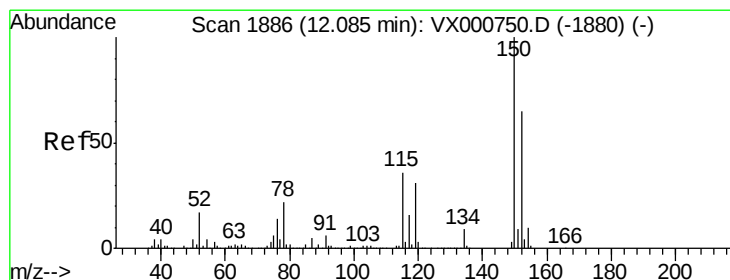
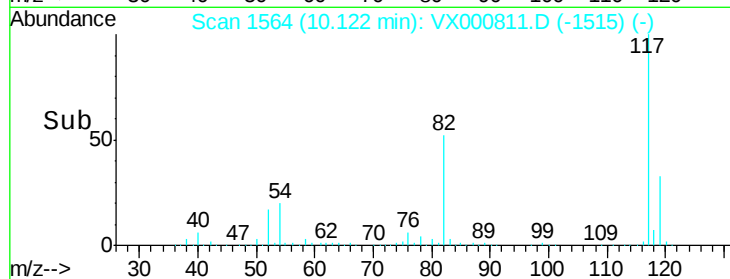
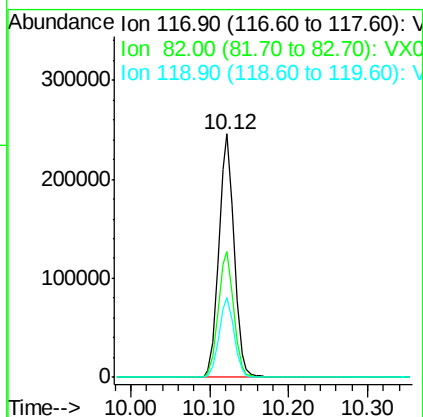
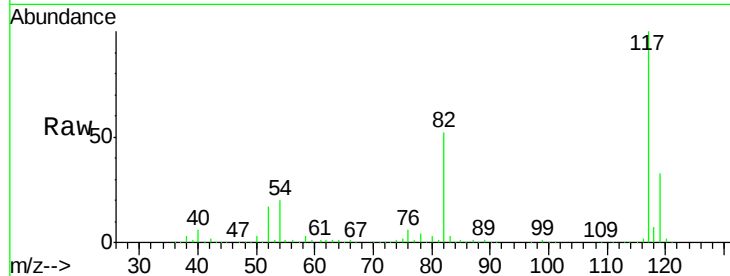




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000811.D
Acq: 12 Apr 2018 19:05

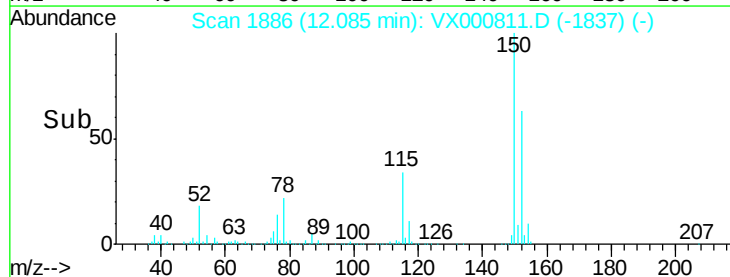
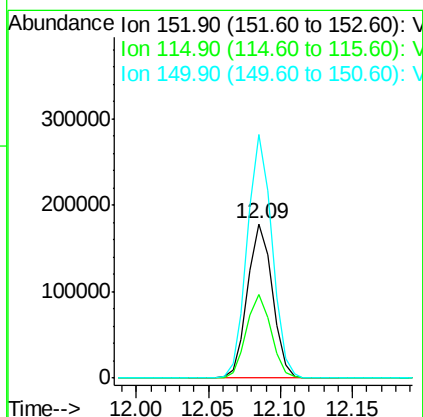
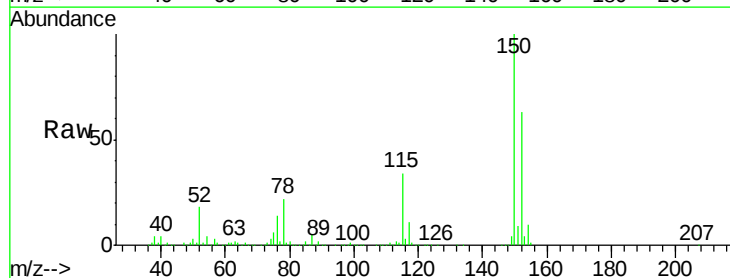
Instrument :
MSVOA_X
ClientSampleId :
MW-101

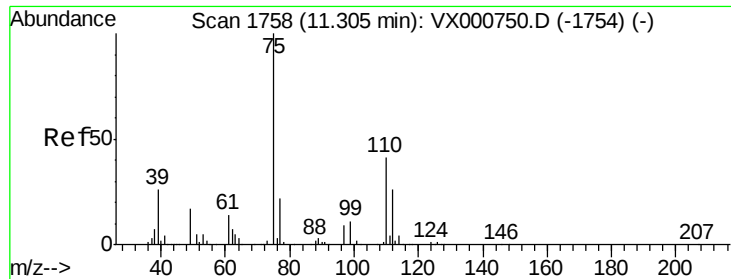
Tgt Ion:117 Resp: 331510
Ion Ratio Lower Upper
117 100
82 51.7 41.9 62.9
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000811.D
Acq: 12 Apr 2018 19:05

Tgt Ion:152 Resp: 213211
Ion Ratio Lower Upper
152 100
115 54.1 37.9 113.7
150 156.9 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 25.89 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

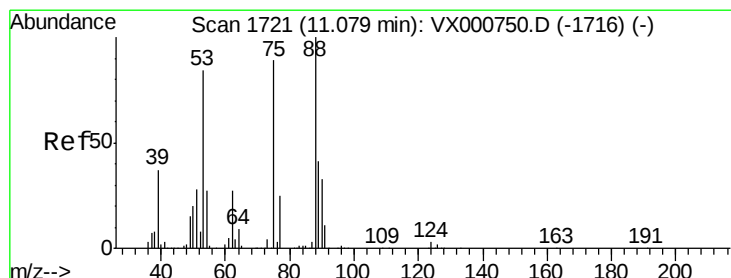
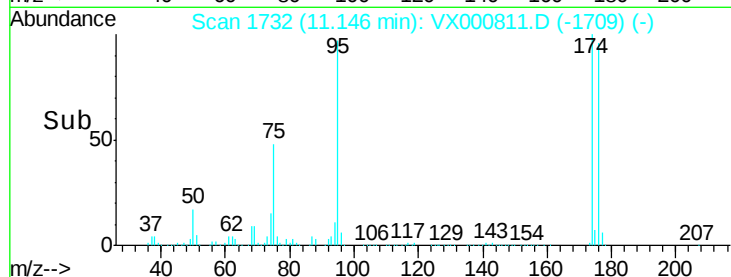
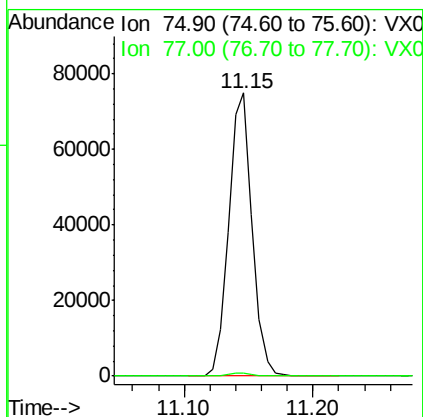
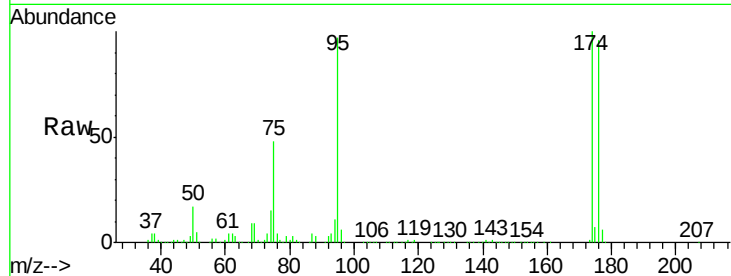
MW-101

Tgt Ion: 75 Resp: 95216

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.23 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000811.D

Acq: 12 Apr 2018 19:05

Tgt Ion: 75 Resp: 95216

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

