

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000547.D
 Acq On : 30 Mar 2018 06:52
 Operator : JC/MD
 Sample : J2127-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Mar 30 08:45:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	100061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	182612	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98005	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	72951	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
35) Dibromofluoromethane	5.51	113	56060	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.73	98	232647	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.15	95	82339	42.01	ug/l	0.00
Spiked Amount			Recovery	=	84.02%	

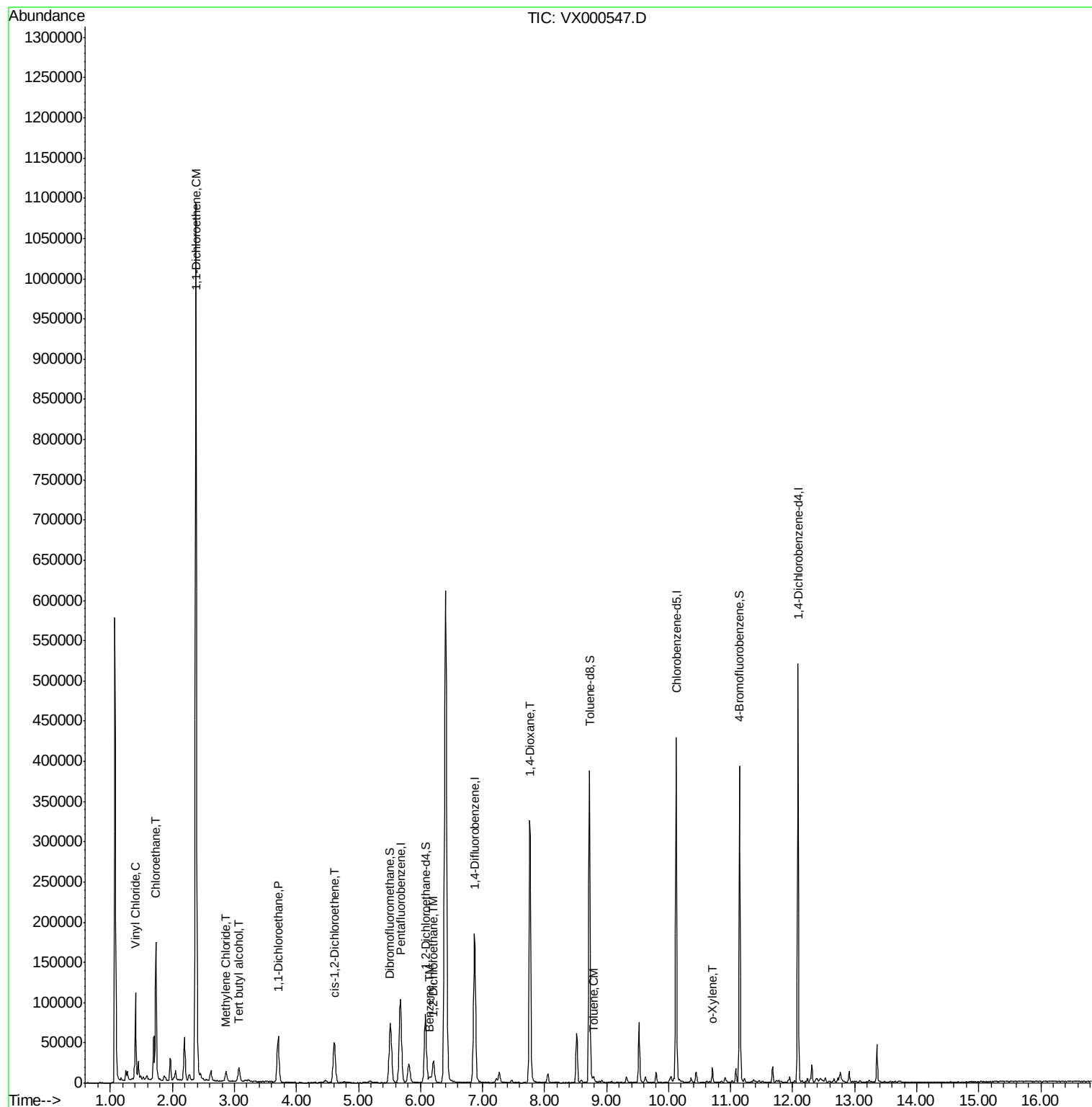
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	66821	54.43	ug/l	99
6) Chloroethane	1.73	64	99835	112.09	ug/l	98
11) Tert butyl alcohol	3.07	59	19358	43.09	ug/l	97
12) 1,1-Dichloroethene	2.38	96	331958	306.07	ug/l	93
20) Methylene Chloride	2.86	84	4790	3.82	ug/l #	89
24) 1,1-Dichloroethane	3.71	63	59612	27.97	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	31239	27.63	ug/l	84
40) Benzene	6.15	78	7543	1.52	ug/l #	85
42) 1,2-Dichloroethane	6.21	62	27169	13.94	ug/l	95
49) 1,4-Dioxane	7.76	88	240662	6780.52	ug/l	93
52) Toluene	8.79	92	1833	0.53	ug/l	98
69) o-Xylene	10.71	106	3723	1.42	ug/l	100

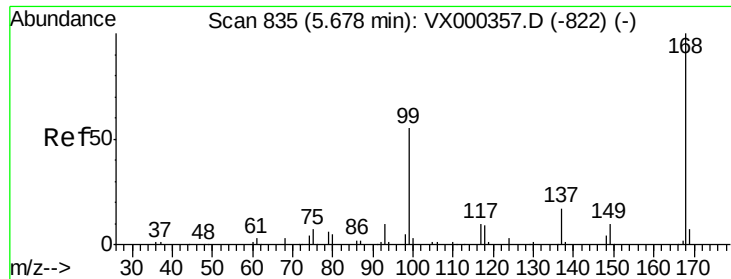
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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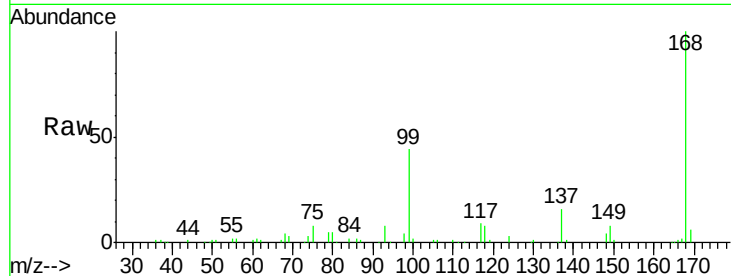




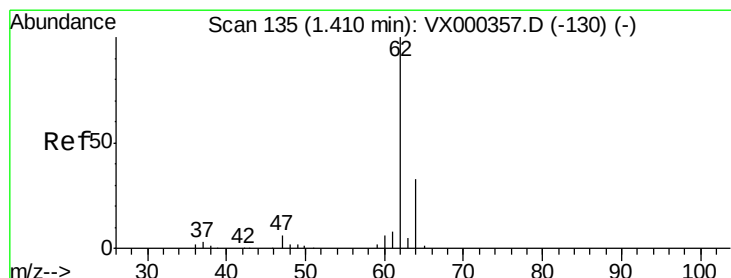
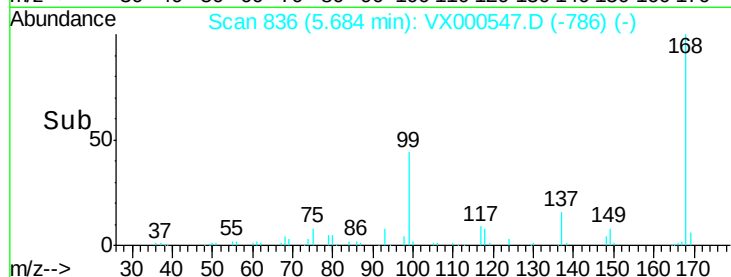
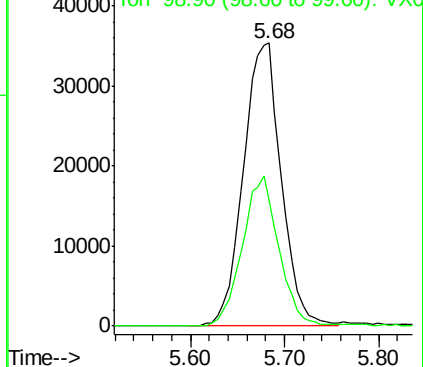
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 836
Delta R.T. 0.01 min
Lab File: VX000547.D
Acq: 30 Mar 2018 06:52

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion:168 Resp: 100061
Ion Ratio Lower Upper
168 100
99 44.4 45.8 68.6#

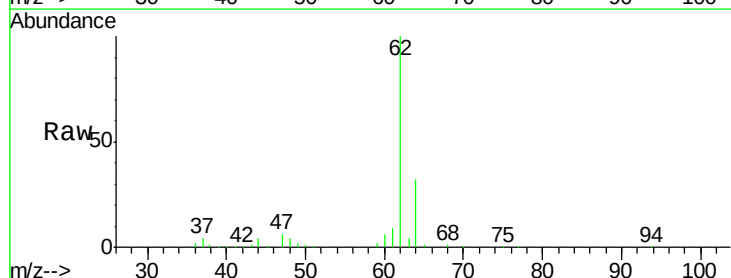


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

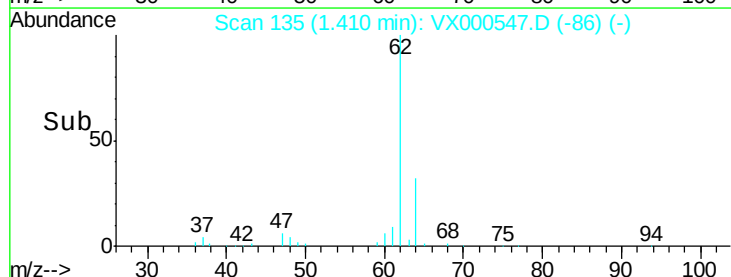
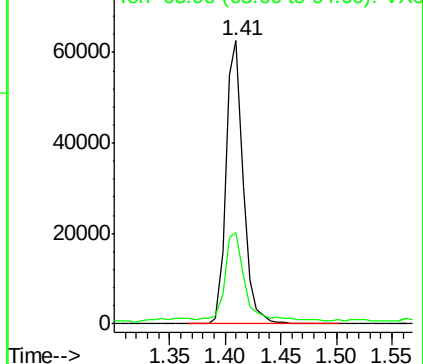


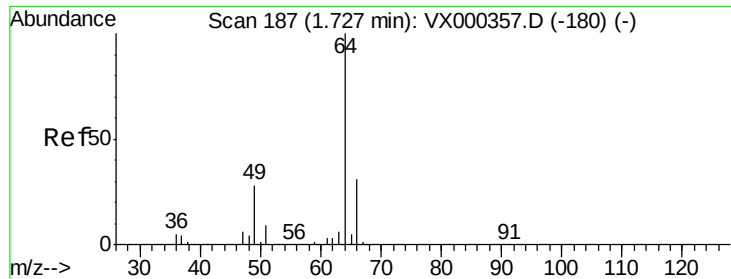
#4
Vinyl Chloride
Concen: 54.43 ug/l
RT: 1.41 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX000547.D
Acq: 30 Mar 2018 06:52

Tgt Ion: 62 Resp: 66821
Ion Ratio Lower Upper
62 100
64 30.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 112.09 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

Instrument :

MSVOA_X

ClientSampled :

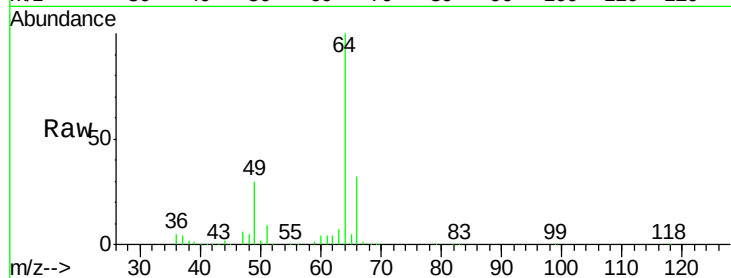
MW-1

Tot Ion: 64 Resp: 99835

Ion Ratio Lower Upper

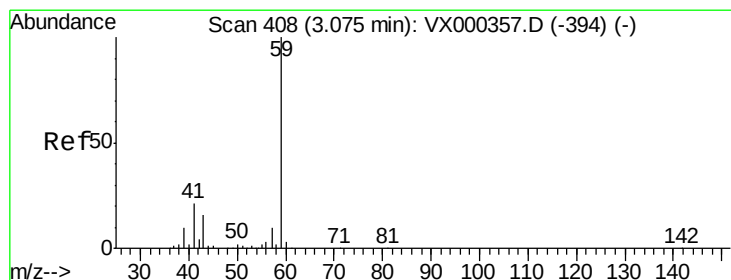
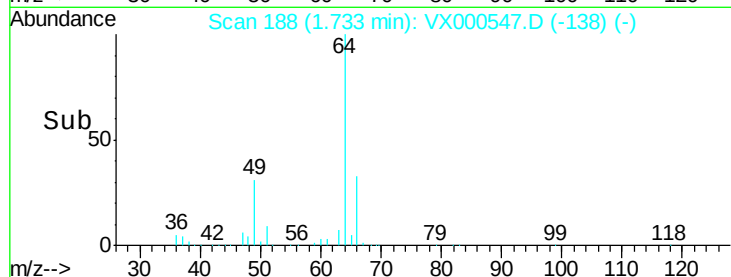
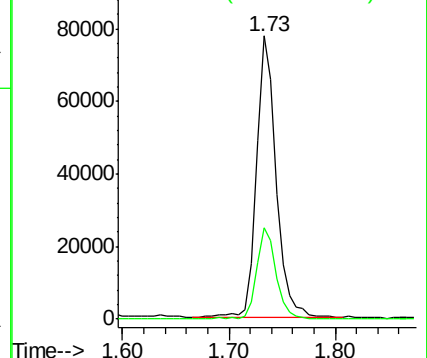
64 100

66 32.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 43.09 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000547.D

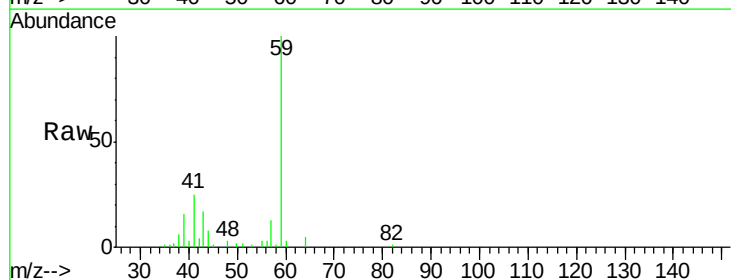
Acq: 30 Mar 2018 06:52

Tgt Ion: 59 Resp: 19358

Ion Ratio Lower Upper

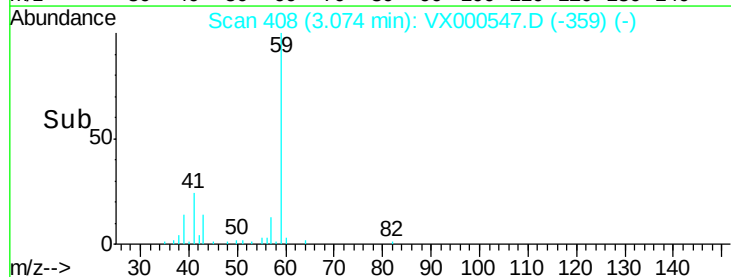
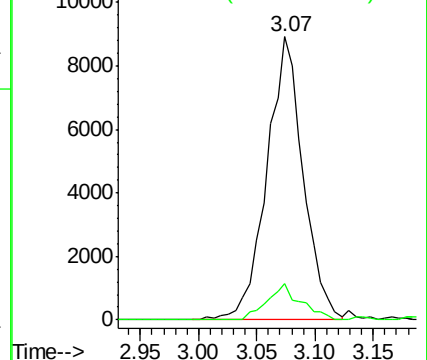
59 100

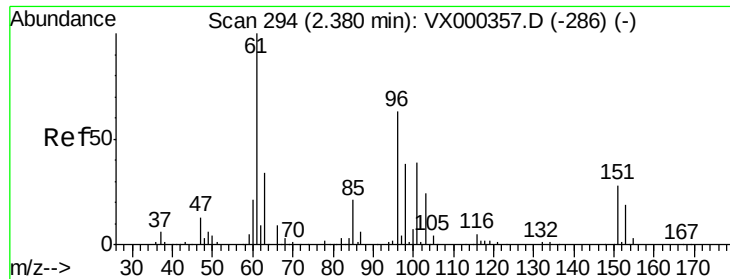
57 11.7 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 306.07 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

MW-1

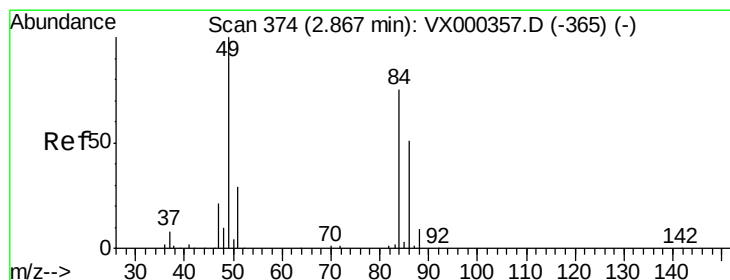
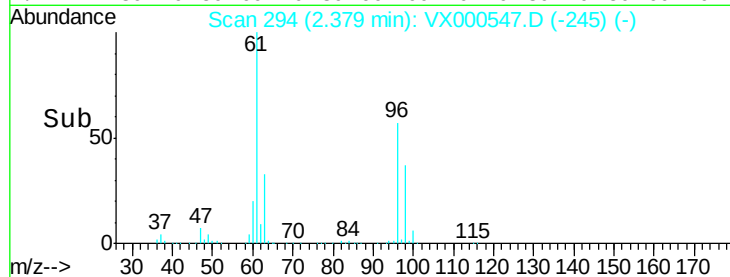
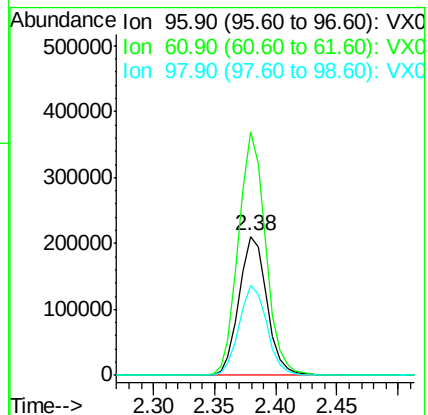
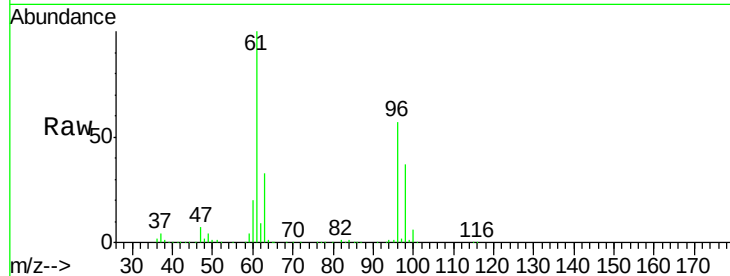
Tot Ion: 96 Resp: 331958

Ion Ratio Lower Upper

96 100

61 175.6 131.2 196.8

98 64.7 49.8 74.8



#20

Methylene Chloride

Concen: 3.82 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

Tgt Ion: 84 Resp: 4790

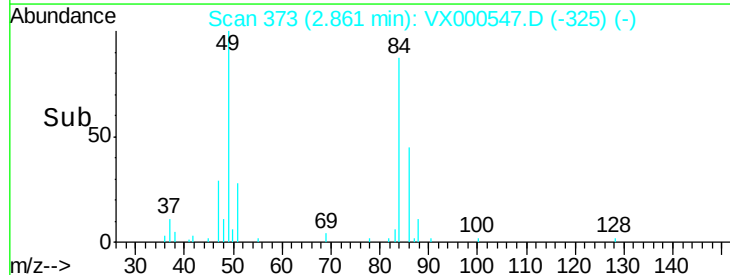
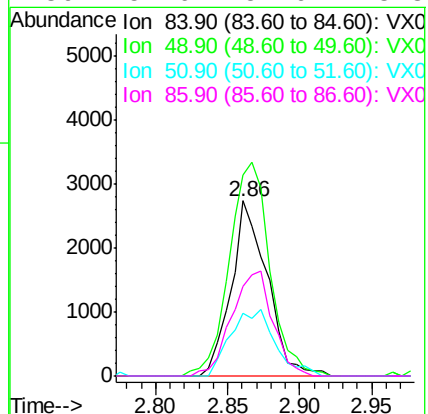
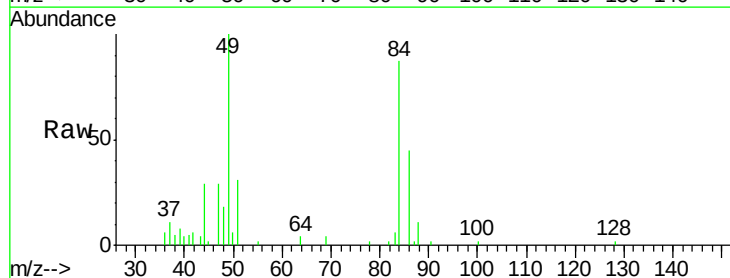
Ion Ratio Lower Upper

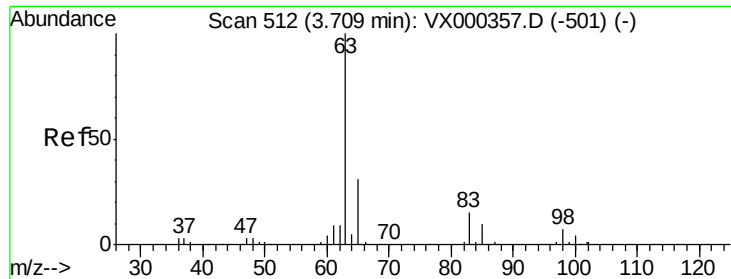
84 100

49 115.2 100.6 151.0

51 36.2 31.6 47.4

86 51.6 52.6 78.8#





#24

1,1-Dichloroethane

Concen: 27.97 ug/l

RT: 3.71 min Scan# 512

Delta R.T. -0.00 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

Instrument :

MSVOA_X

ClientSampled :

MW-1

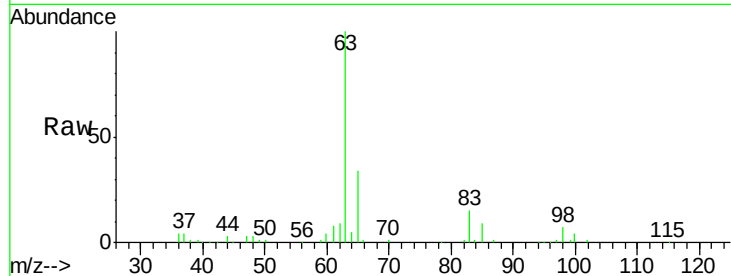
Tot Ion: 63 Resp: 59612

Ion Ratio Lower Upper

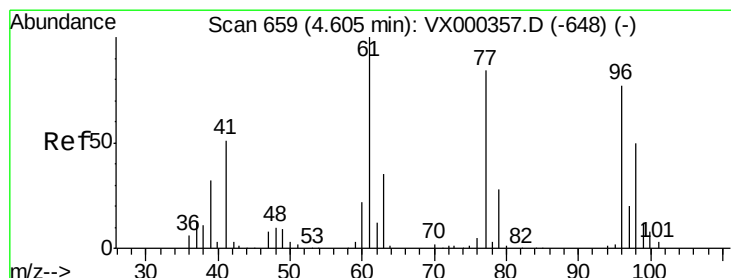
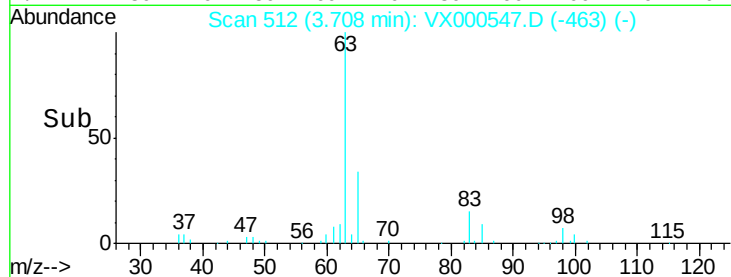
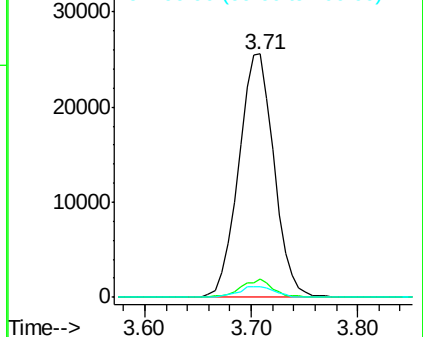
63 100

98 7.4 3.3 9.9

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 27.63 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

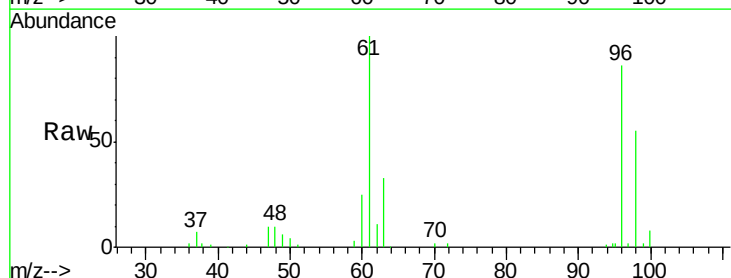
Tgt Ion: 96 Resp: 31239

Ion Ratio Lower Upper

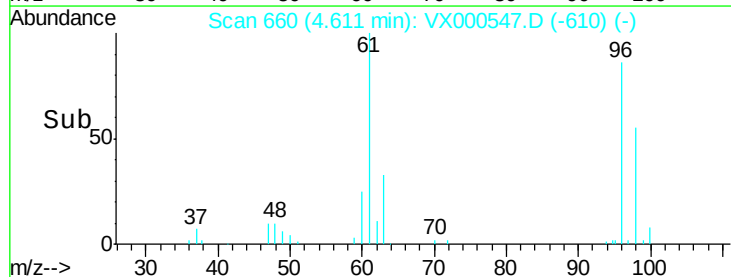
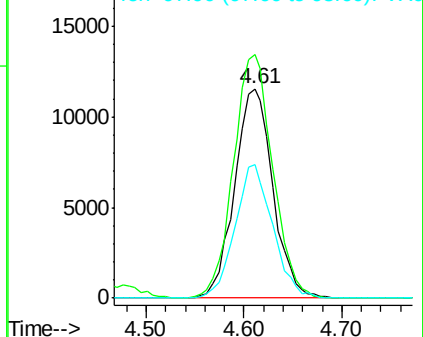
96 100

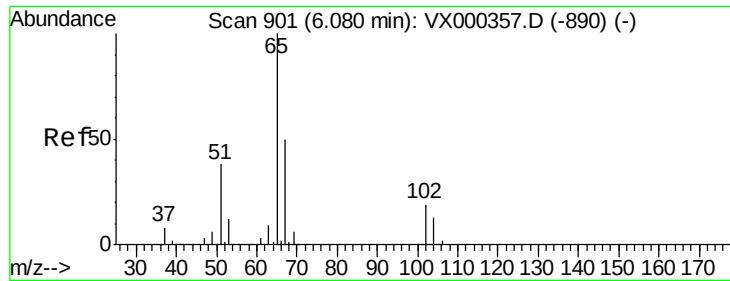
61 119.6 0.0 291.6

98 62.7 0.0 132.0



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

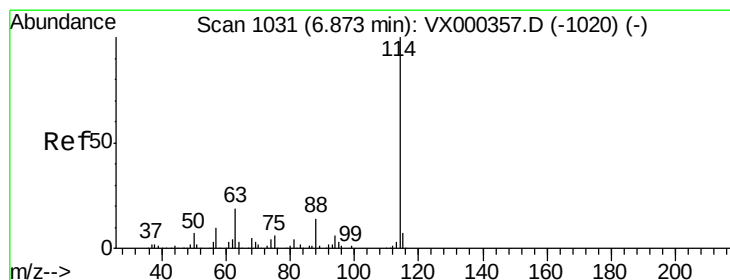
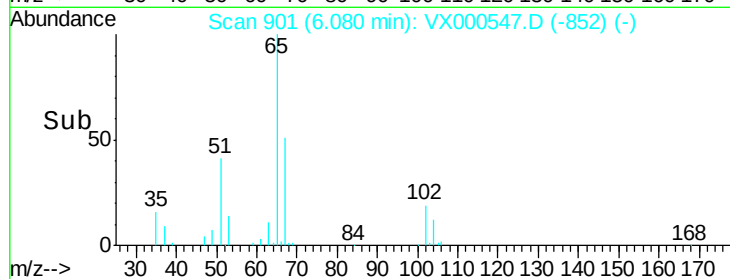
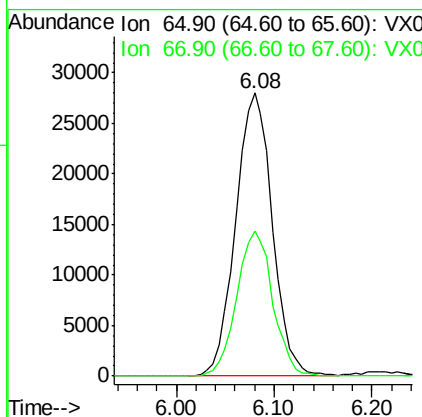
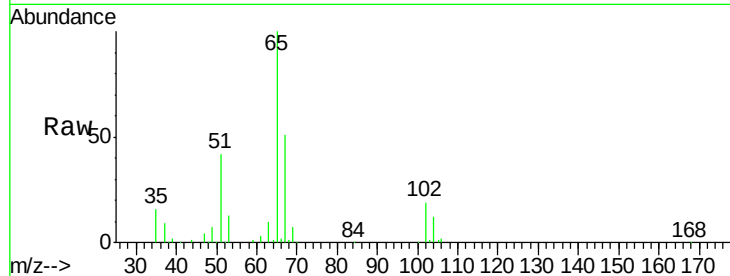




#33
 1,2-Dichloroethane-d4
 Concen: 55.85 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000547.D
 Acq: 30 Mar 2018 06:52

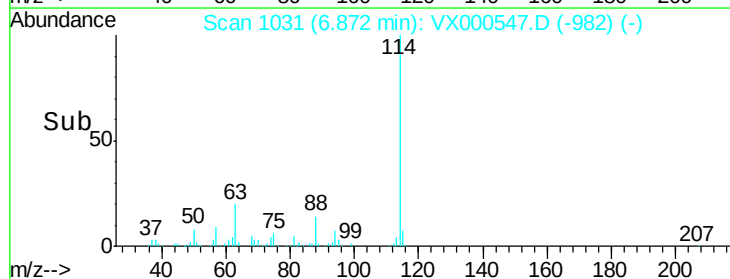
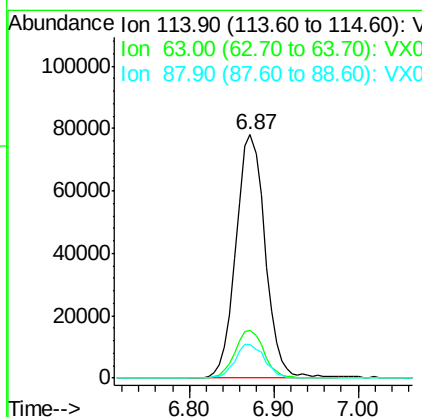
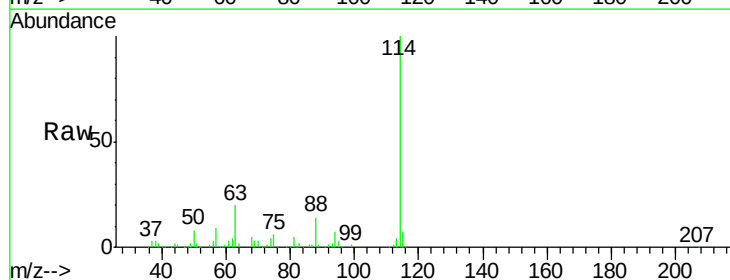
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

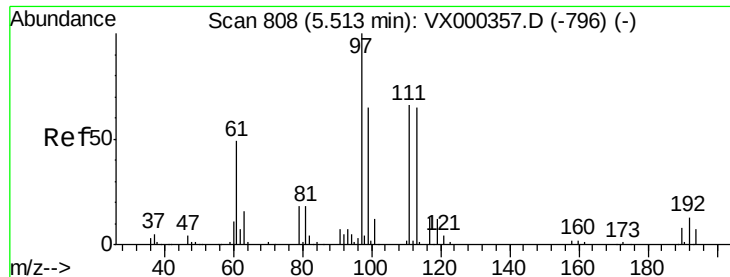
Tot Ion: 65 Resp: 72951
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000547.D
 Acq: 30 Mar 2018 06:52

Tgt Ion: 114 Resp: 182612
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 13.7 0.0 27.0

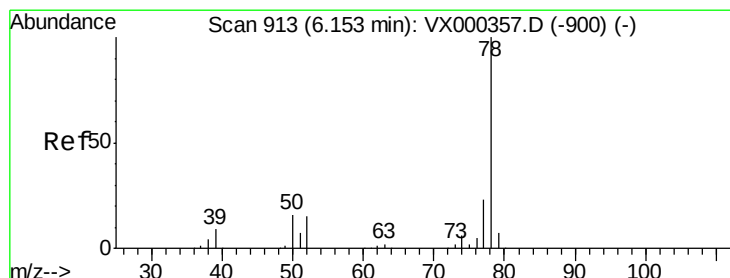
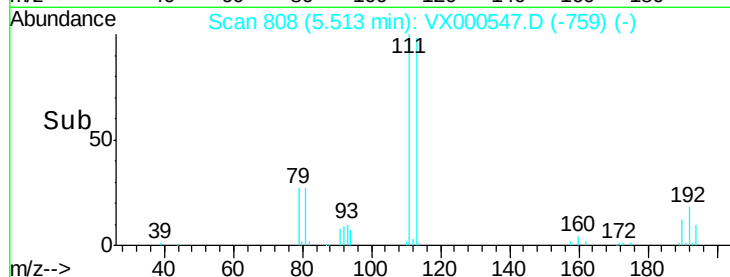
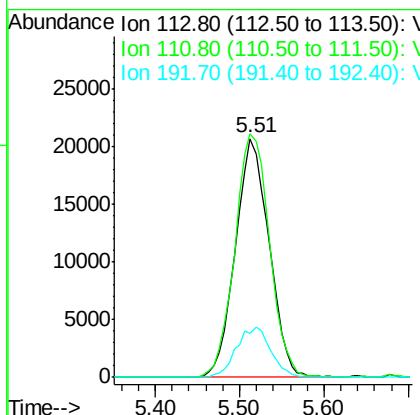
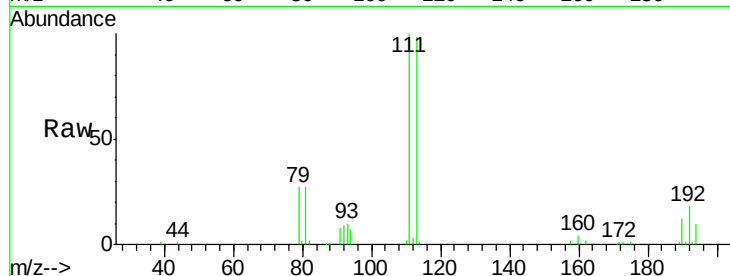




#35
 Dibromofluoromethane
 Concen: 48.72 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000547.D
 Acq: 30 Mar 2018 06:52

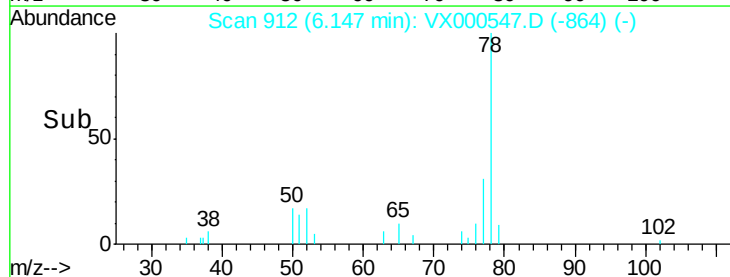
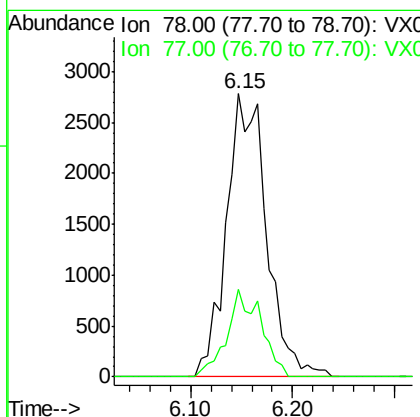
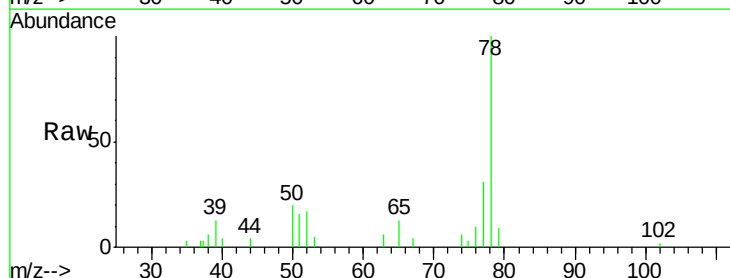
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

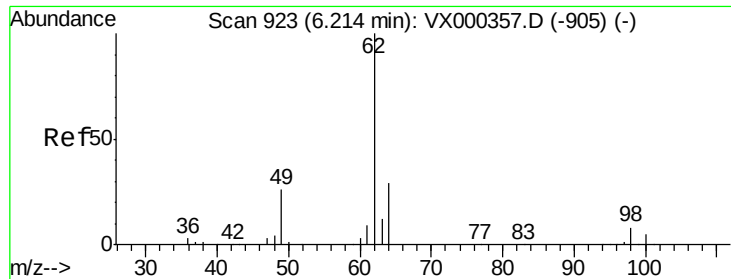
Tot Ion:113 Resp: 56060
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.4 123.6
 192 21.2 15.8 23.6



#40
 Benzene
 Concen: 1.52 ug/l
 RT: 6.15 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VX000547.D
 Acq: 30 Mar 2018 06:52

Tgt Ion: 78 Resp: 7543
 Ion Ratio Lower Upper
 78 100
 77 30.8 18.7 28.1#





#42

1,2-Dichloroethane

Concen: 13.94 ug/l

RT: 6.21 min Scan# 923

Delta R.T. -0.00 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

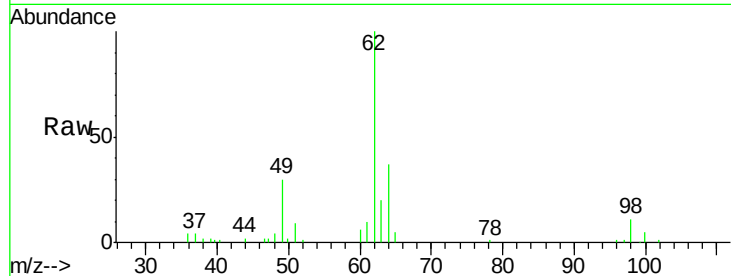
MW-1

Tot Ion: 62 Resp: 27169

Ion Ratio Lower Upper

62 100

98 9.6 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.21

12000

10000

8000

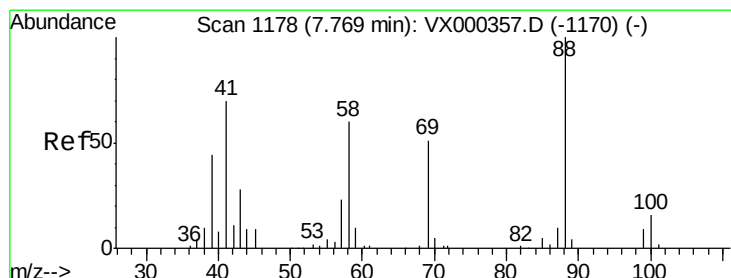
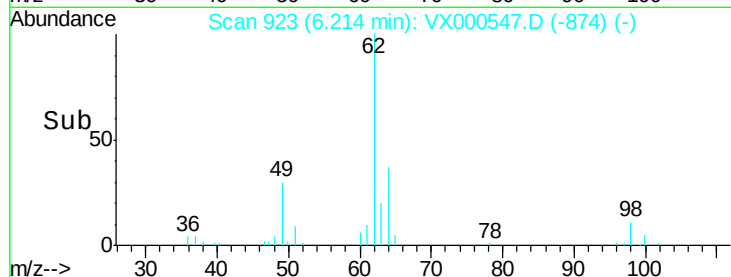
6000

4000

2000

0

Time-->



#49

1,4-Dioxane

Concen: 6780.52 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

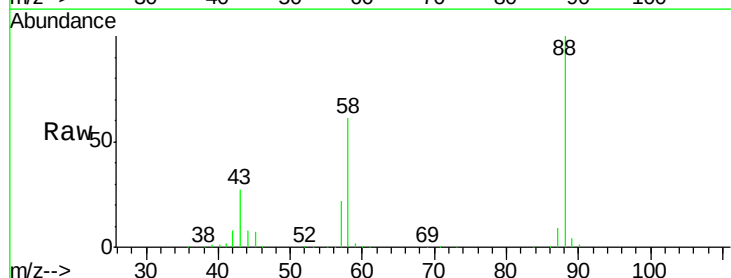
Tgt Ion: 88 Resp: 240662

Ion Ratio Lower Upper

88 100

43 27.4 26.8 40.2

58 61.4 52.2 78.2



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

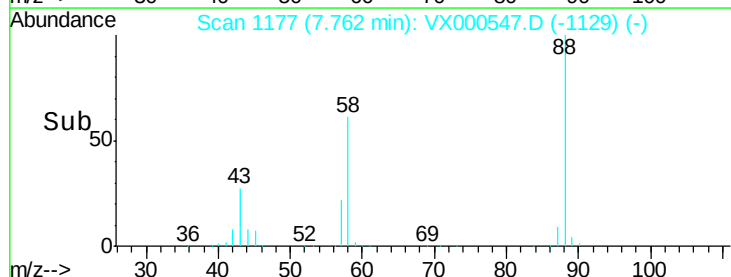
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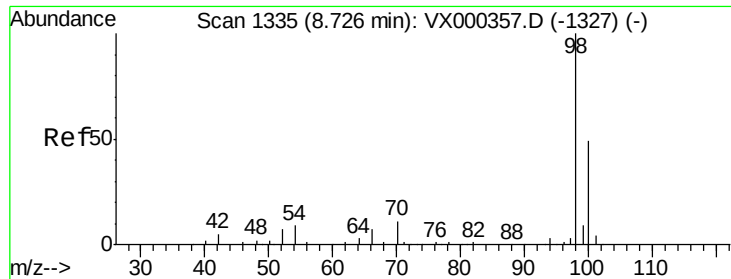
100000

50000

0

Time-->

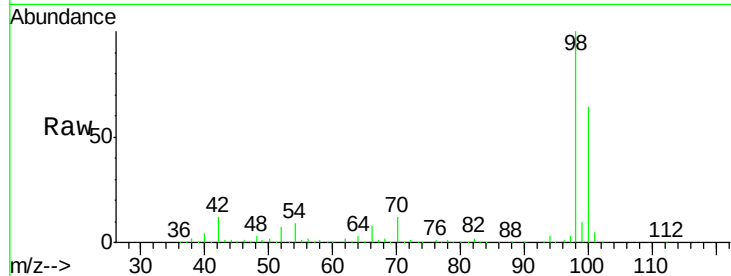




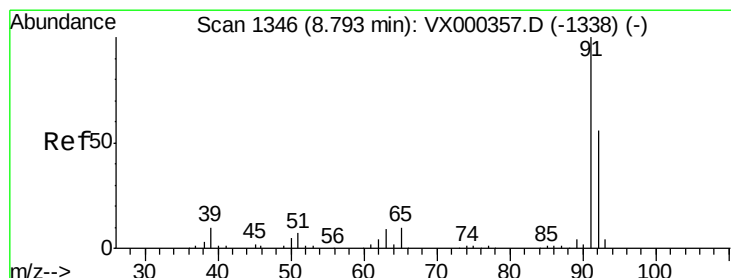
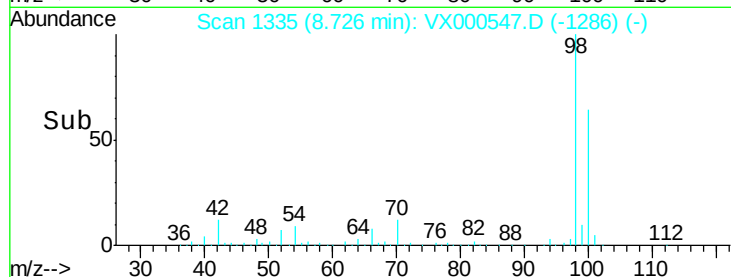
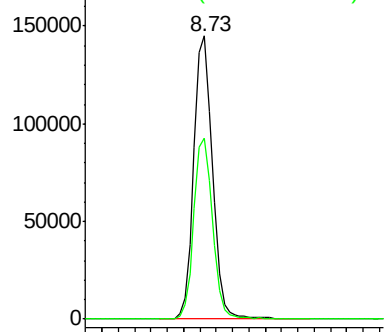
#50
Toluene-d8
Concen: 48.82 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000547.D
Acq: 30 Mar 2018 06:52

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion: 98 Resp: 232647
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8

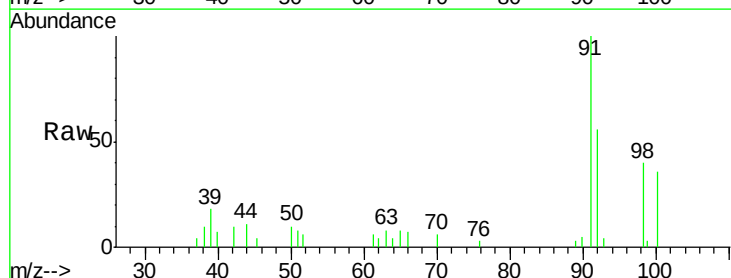


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX

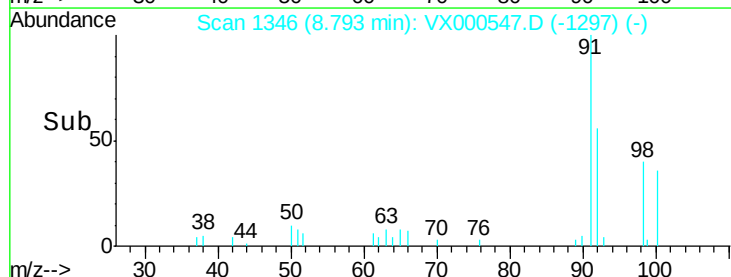
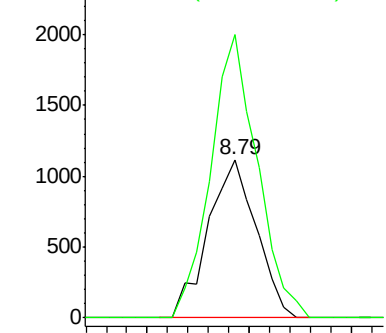


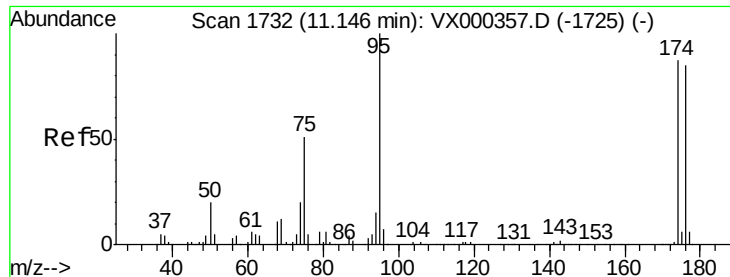
#52
Toluene
Concen: 0.53 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX000547.D
Acq: 30 Mar 2018 06:52

Tgt Ion: 92 Resp: 1833
Ion Ratio Lower Upper
92 100
91 173.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX





#62

4-Bromofluorobenzene

Concen: 42.01 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

MW-1

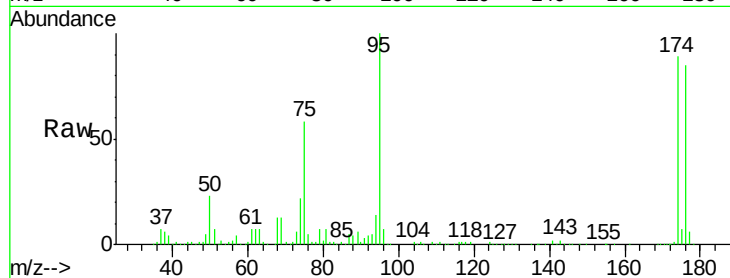
Tot Ion: 95 Resp: 82339

Ion Ratio Lower Upper

95 100

174 91.1 0.0 173.6

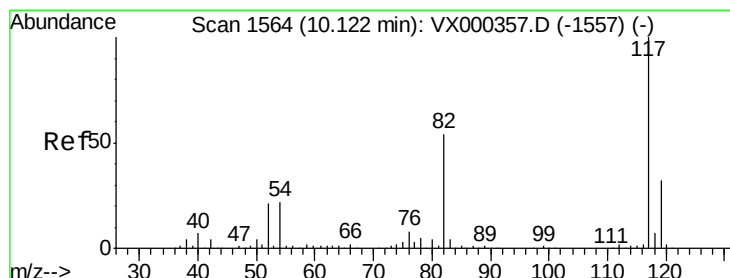
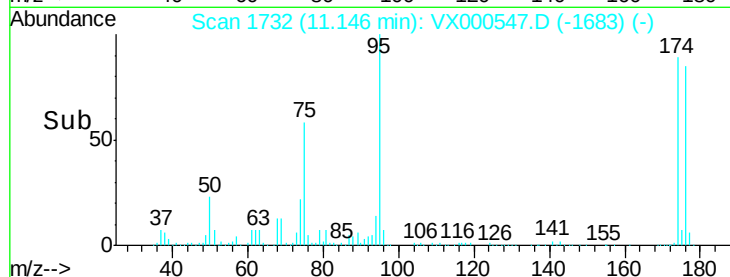
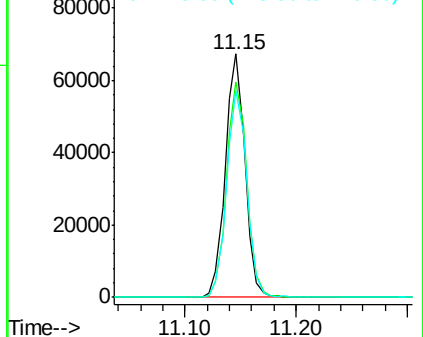
176 86.9 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000547.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000547.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000547.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000547.D

Acq: 30 Mar 2018 06:52

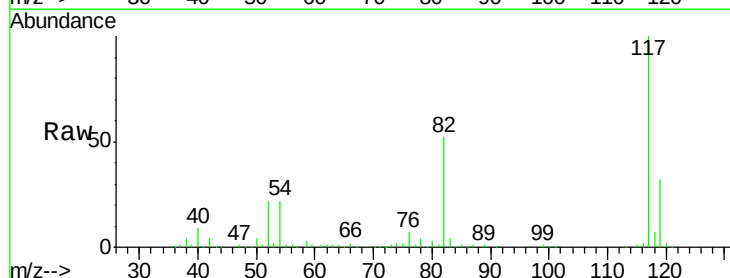
Tgt Ion: 117 Resp: 182960

Ion Ratio Lower Upper

117 100

82 52.4 43.8 65.8

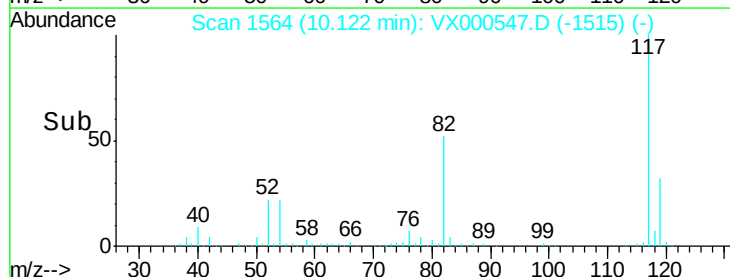
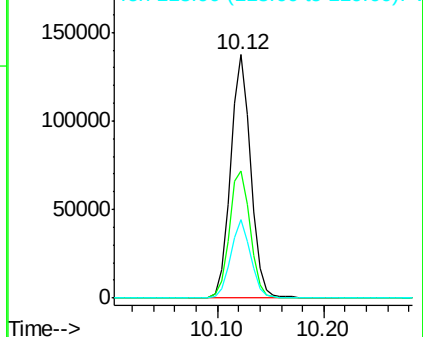
119 32.3 24.9 37.3

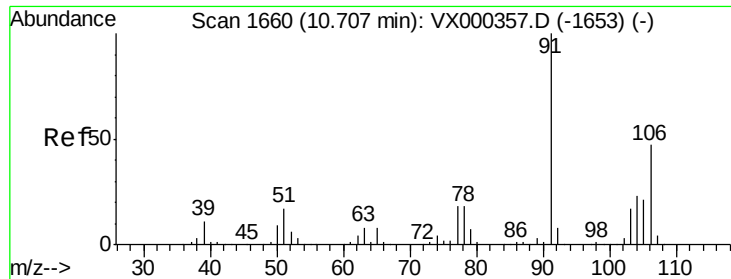


Abundance Ion 116.90 (116.60 to 117.60): VX000547.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000547.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000547.D (-1515) (-)

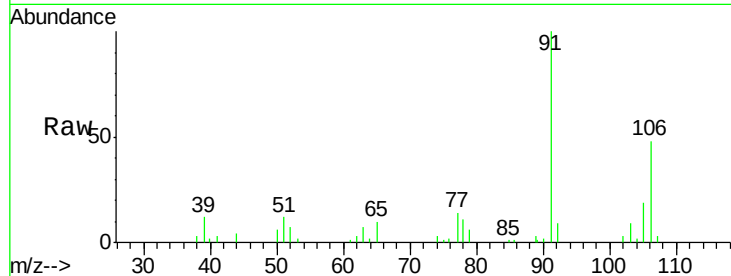




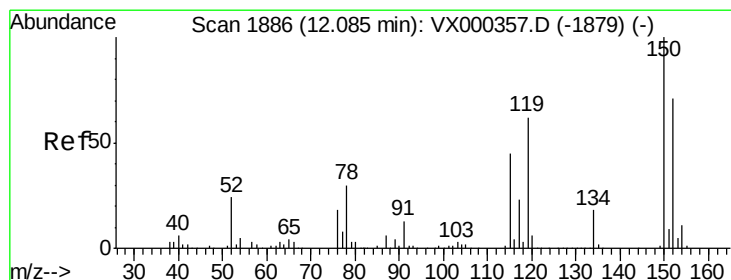
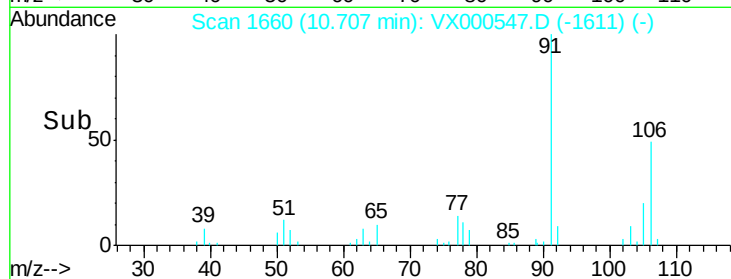
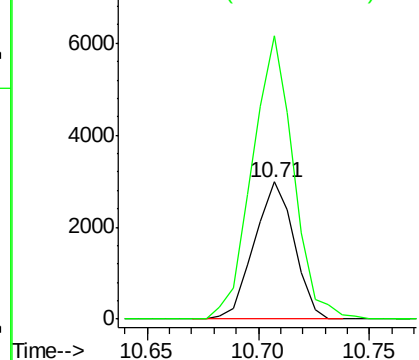
#69
o-Xylene
Concen: 1.42 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000547.D
Acq: 30 Mar 2018 06:52

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion:106 Resp: 3723
Ion Ratio Lower Upper
106 100
91 213.5 106.5 319.6

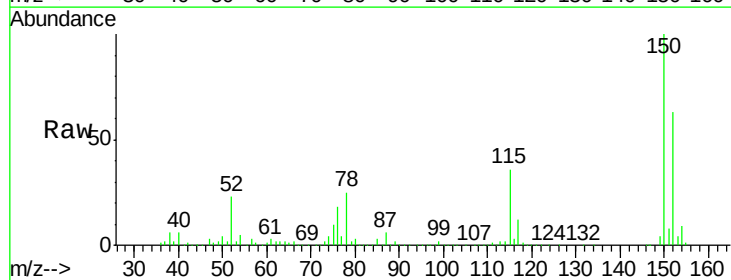


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000547.D
Acq: 30 Mar 2018 06:52

Tgt Ion:152 Resp: 98005
Ion Ratio Lower Upper
152 100
115 56.4 39.8 119.3
150 155.5 0.0 344.4



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

