

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003312.D
 Acq On : 11 Jul 2018 04:37
 Operator : JC/MD
 Sample : J3925-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

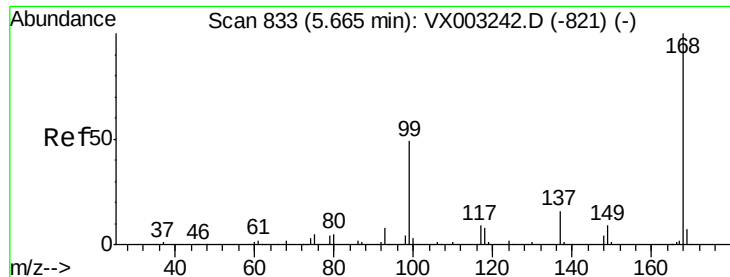
Quant Time: Jul 11 05:25:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	406255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	372497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	210635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	176784	40.17	ug/l	0.00
Spiked Amount			Recovery	=	80.34%	
35) Dibromofluoromethane	5.51	113	152126	34.86	ug/l	0.00
Spiked Amount			Recovery	=	69.72%	
50) Toluene-d8	8.72	98	556227	35.88	ug/l	0.00
Spiked Amount			Recovery	=	71.76%	
62) 4-Bromofluorobenzene	11.14	95	192869	33.67	ug/l	0.00
Spiked Amount			Recovery	=	67.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1138	Below Cal	#	80
10) Methyl Iodide	2.53	142	1191	5.93	ug/l #	94
11) Tert butyl alcohol	3.07	59	1538	1.93	ug/l #	77
16) Acetone	2.45	43	3905	2.50	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	4942	0.47	ug/l #	71
20) Methylene Chloride	2.85	84	422	Below Cal	#	59
31) Cyclohexane	5.67	56	4805	0.83	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17661	3.07	ug/l #	51
38) Carbon Tetrachloride	5.67	117	24881	3.95	ug/l #	16
49) 1,4-Dioxane	7.95	88	46	0.43	ug/l #	22
59) 2-Hexanone	9.31	43	979	0.21	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	94205	20.69	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	94205	67.64	ug/l #	7

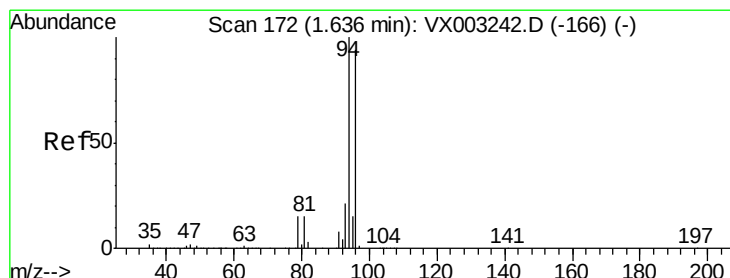
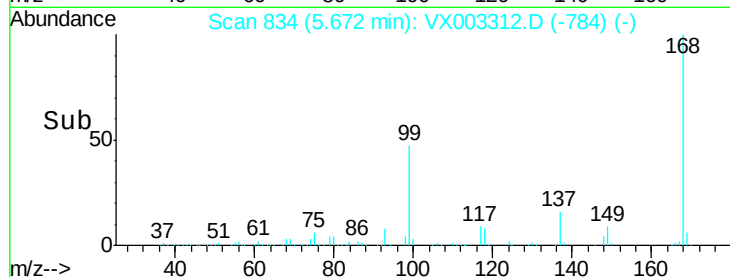
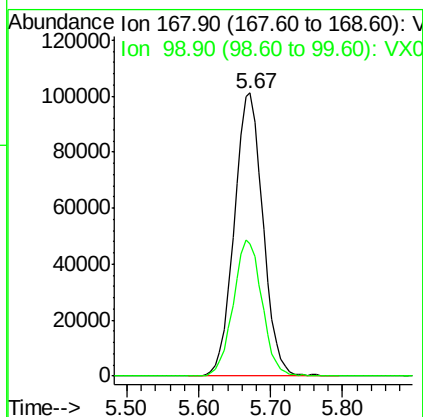
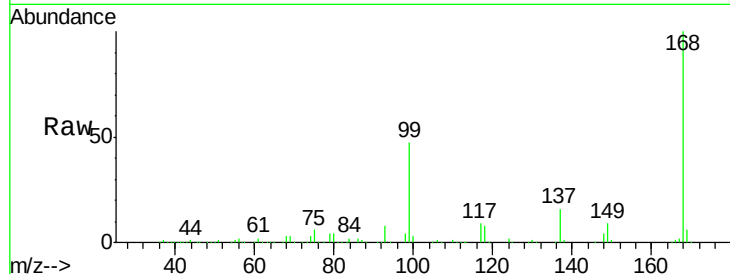
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

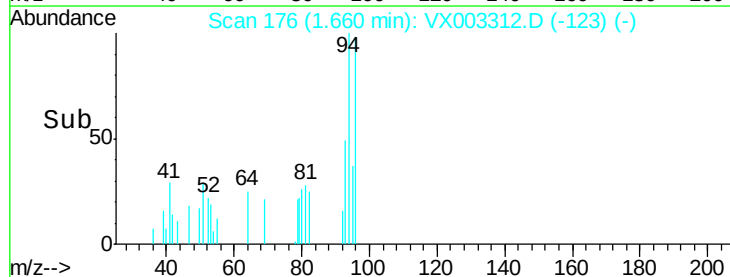
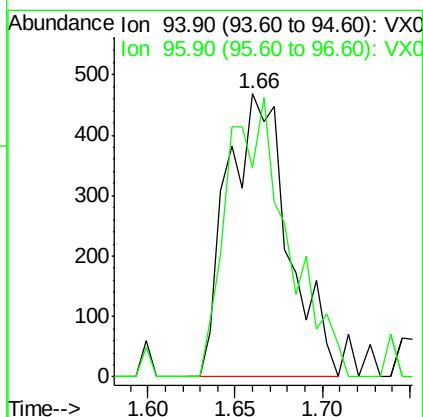
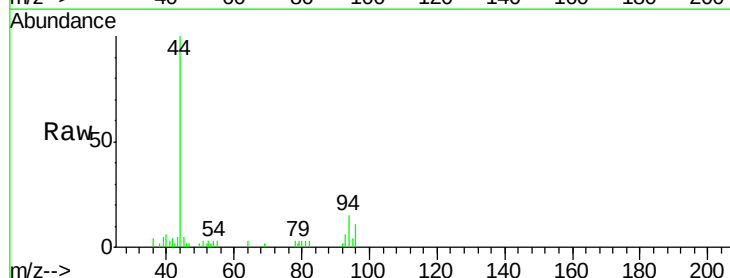
Instrument :
MSVOA_X
ClientSampleId :
MW-1

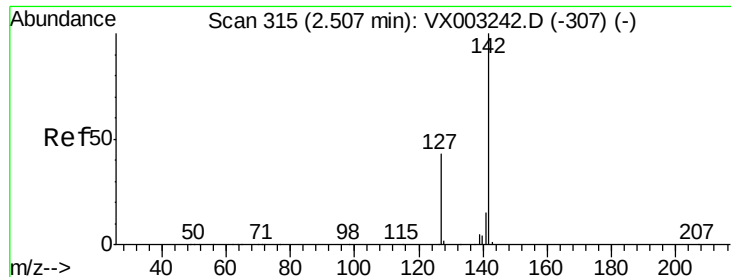
Tot Ion:168 Resp: 279647
Ion Ratio Lower Upper
168 100
99 46.8 39.3 58.9



#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.03 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

Tgt Ion: 94 Resp: 1138
Ion Ratio Lower Upper
94 100
96 73.9 74.9 112.3#

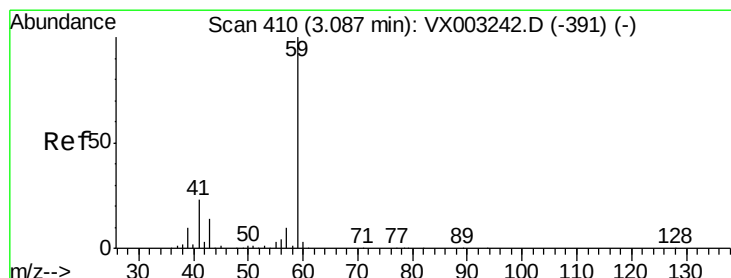
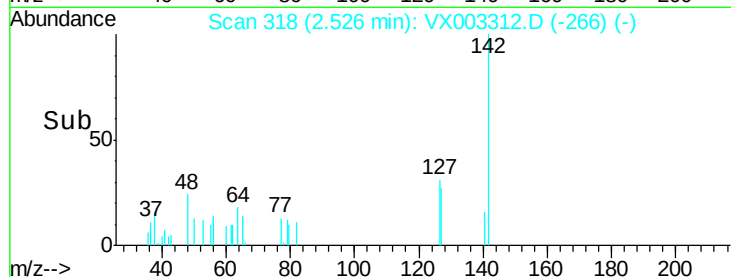
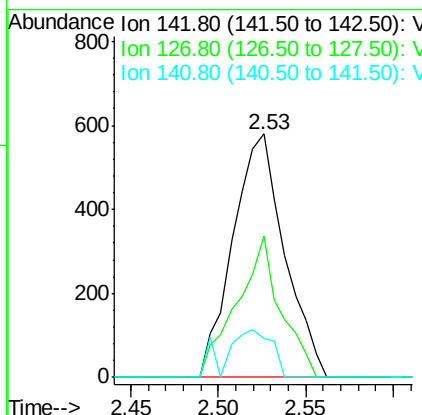
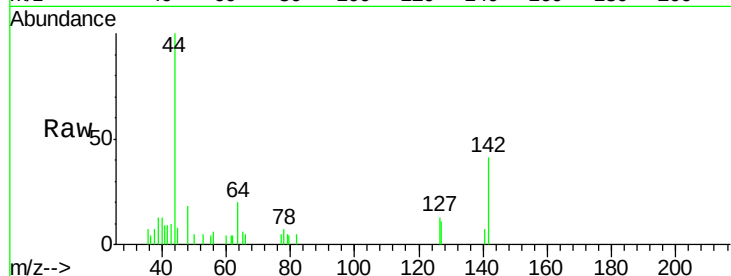




#10
Methvl Iodide
Concen: 5.93 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

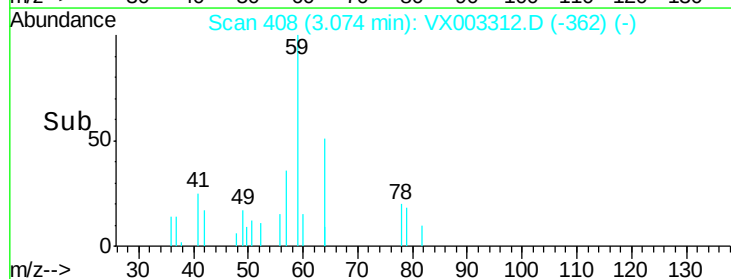
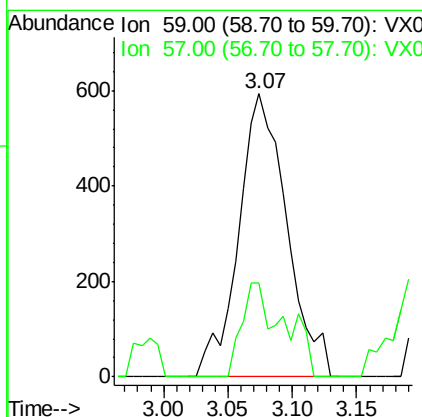
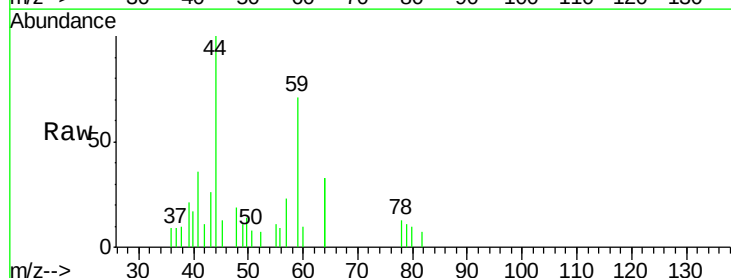
Instrument :
MSVOA_X
ClientSampleId :
MW-1

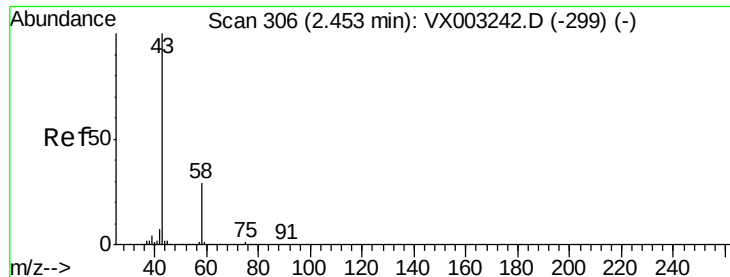
Tot Ion:142 Resp: 1191
Ion Ratio Lower Upper
142 100
127 49.1 36.6 55.0
141 17.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.93 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

Tgt Ion: 59 Resp: 1538
Ion Ratio Lower Upper
59 100
57 18.9 8.2 12.2#





#16

Acetone

Concen: 2.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003312.D

Acq: 11 Jul 2018 04:37

Instrument :

MSVOA_X

ClientSampled :

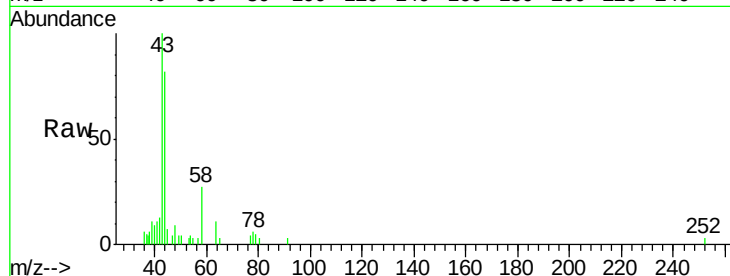
MW-1

Tot Ion: 43 Resp: 3905

Ion Ratio Lower Upper

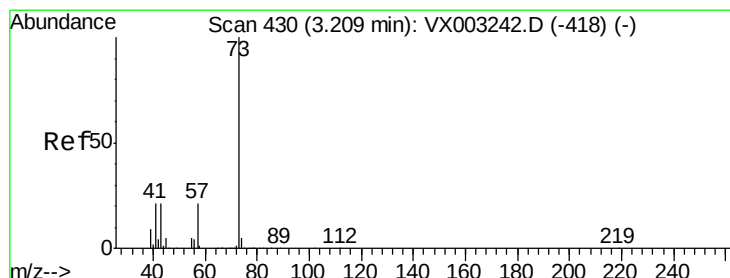
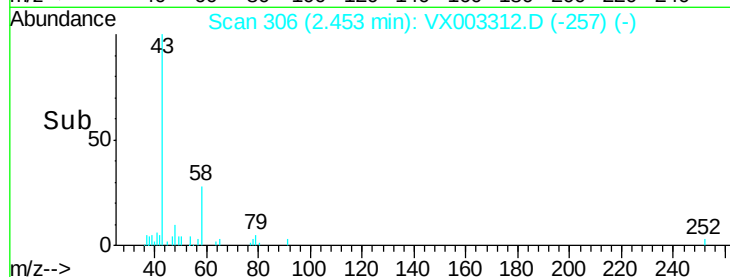
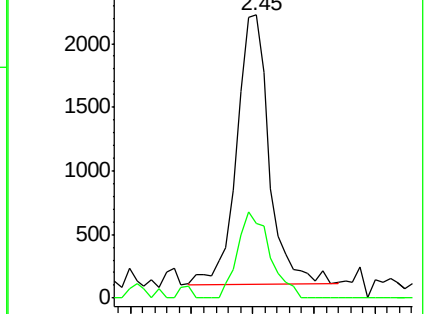
43 100

58 28.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.47 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX003312.D

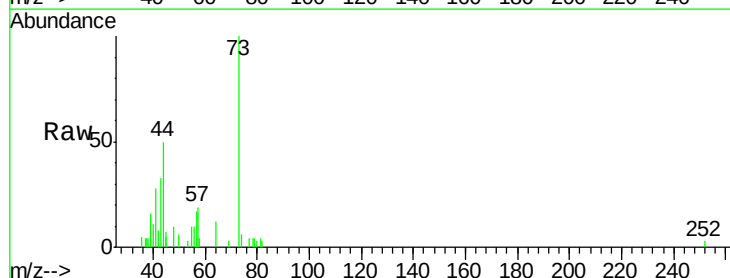
Acq: 11 Jul 2018 04:37

Tgt Ion: 73 Resp: 4942

Ion Ratio Lower Upper

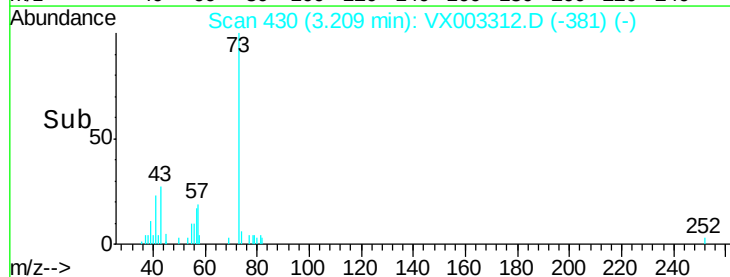
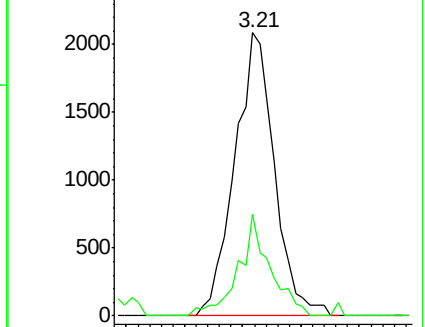
73 100

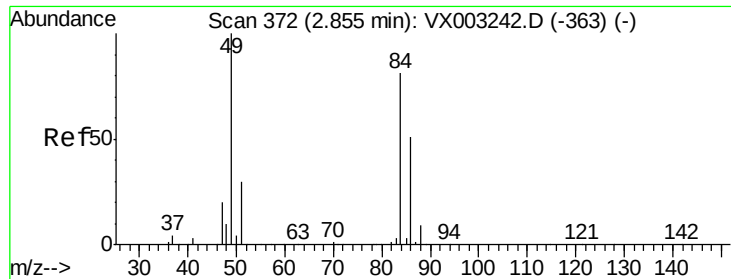
57 35.9 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

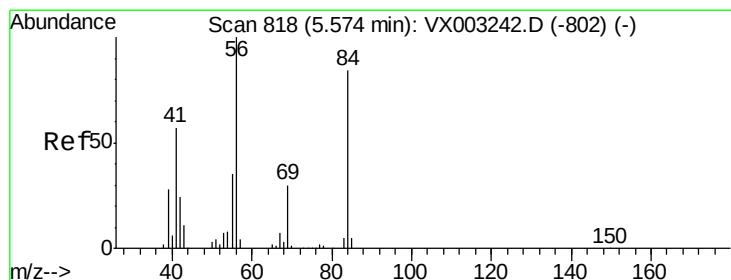
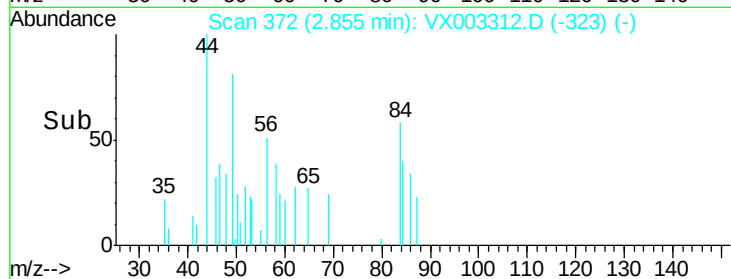
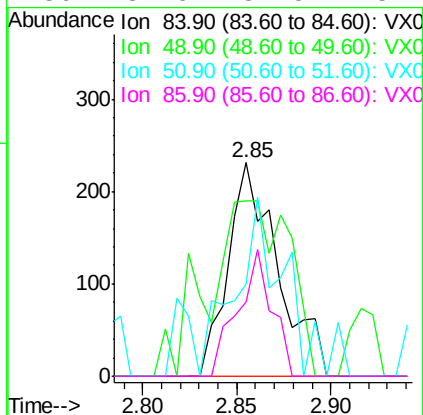
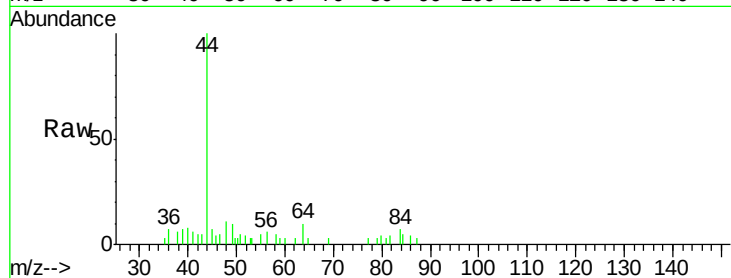




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

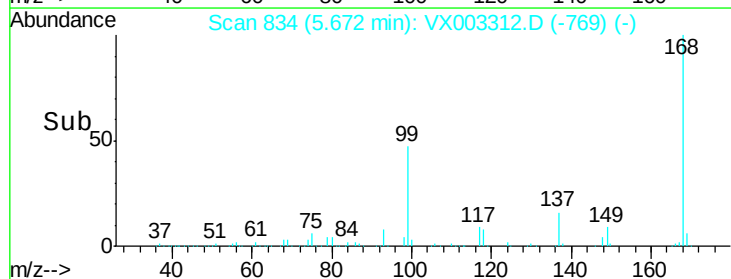
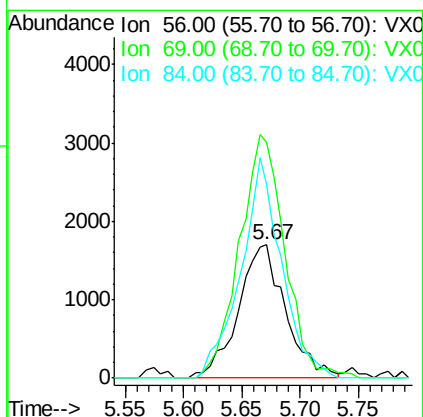
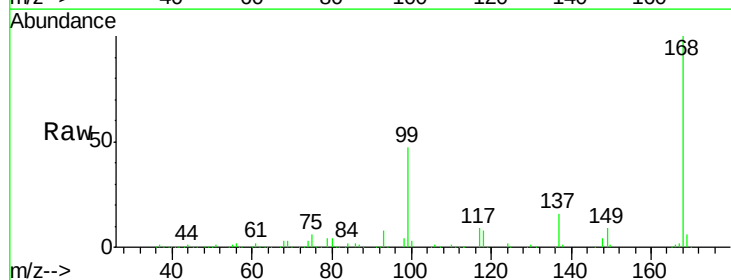
Instrument :
MSVOA_X
ClientSampleId :
MW-1

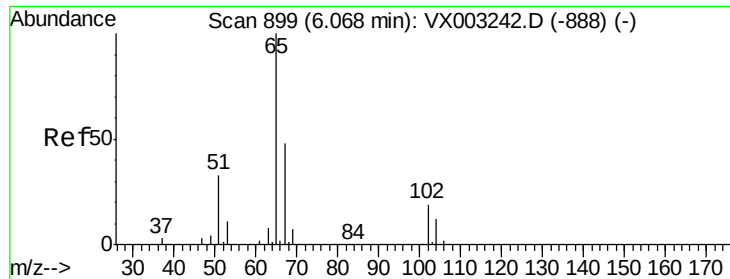
Tot Ion: 84 Resp: 422
Ion Ratio Lower Upper
84 100
49 82.3 107.8 161.6#
51 18.2 32.8 49.2#
86 34.6 52.5 78.7#



#31
Cyclohexane
Concen: 0.83 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

Tgt Ion: 56 Resp: 4805
Ion Ratio Lower Upper
56 100
69 176.4 23.7 35.5#
84 145.4 64.1 96.1#

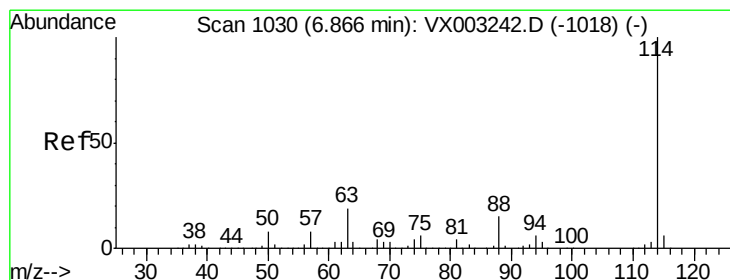
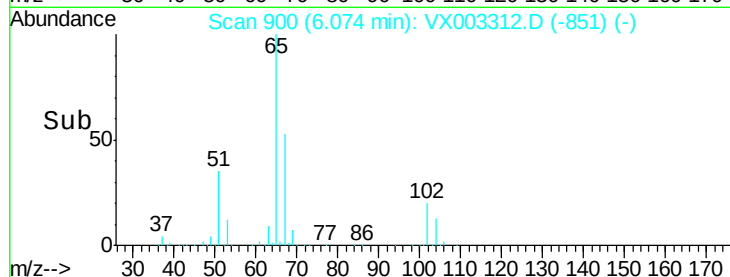
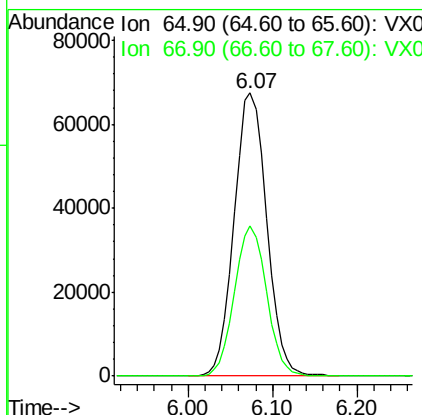
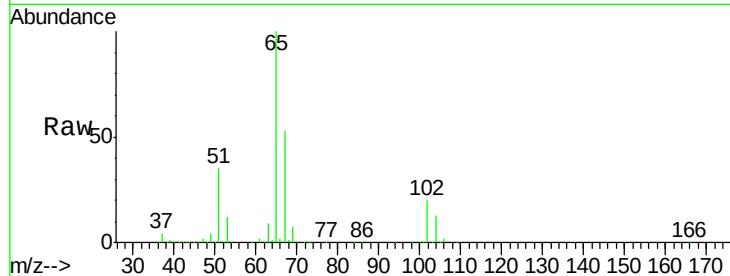




#33
 1,2-Dichloroethane-d4
 Concen: 40.17 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003312.D
 Acq: 11 Jul 2018 04:37

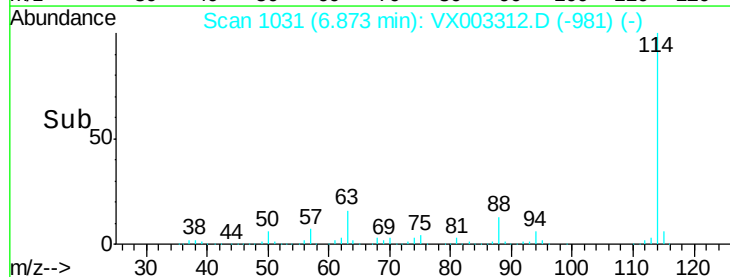
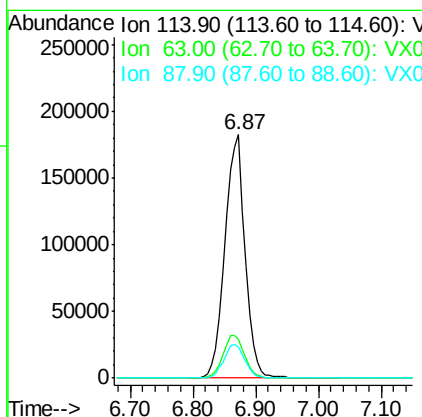
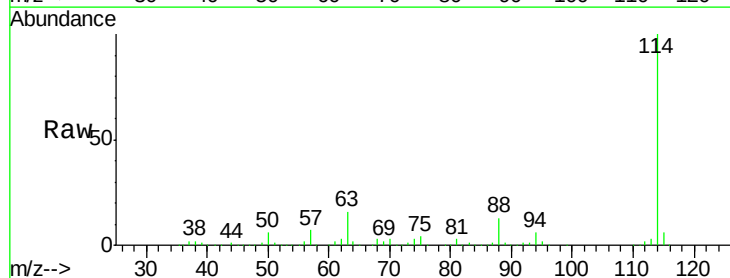
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

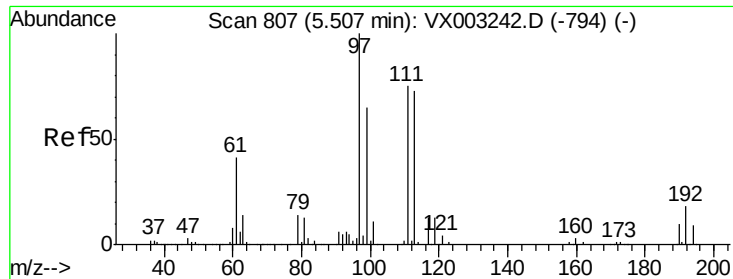
Tot Ion: 65 Resp: 176784
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX003312.D
 Acq: 11 Jul 2018 04:37

Tgt Ion: 114 Resp: 406255
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 41.4
 88 12.7 0.0 30.0

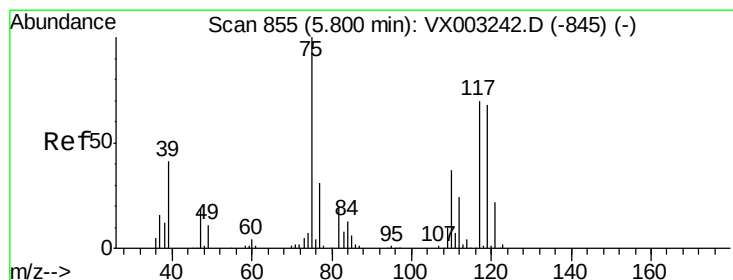
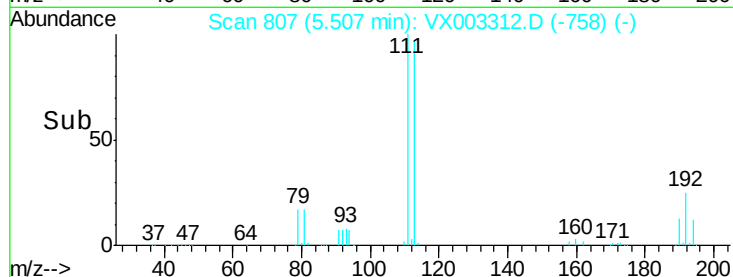
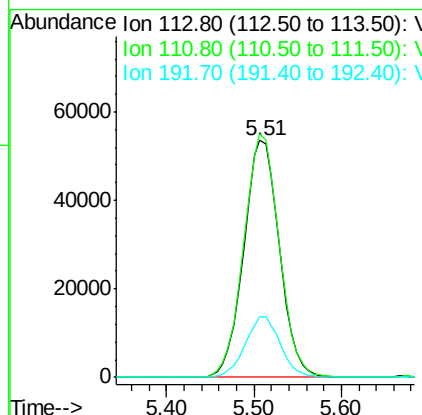
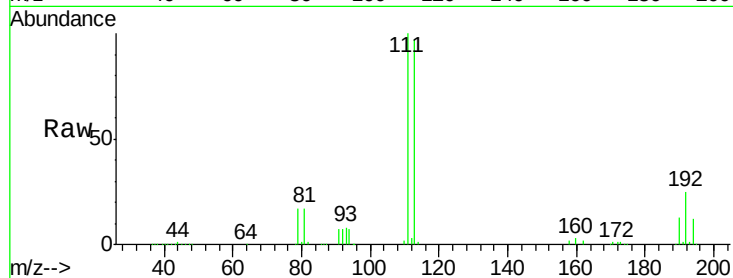




#35
 Dibromofluoromethane
 Concen: 34.86 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003312.D
 Acq: 11 Jul 2018 04:37

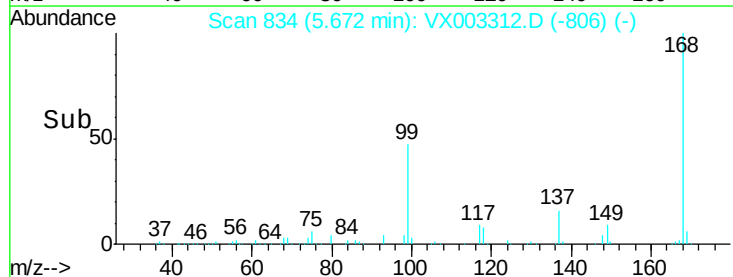
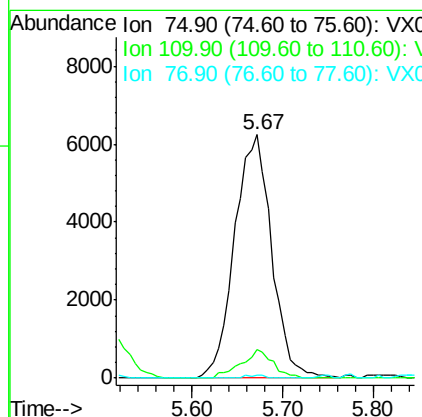
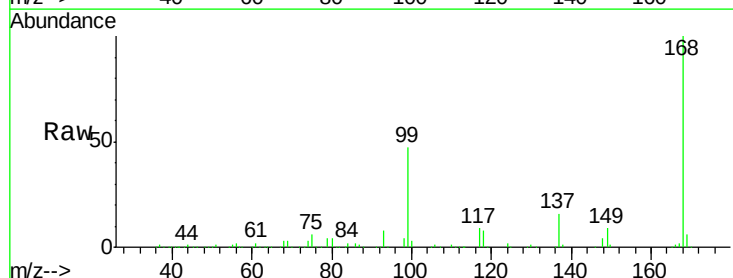
Instrument :
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 ClientSampleId :
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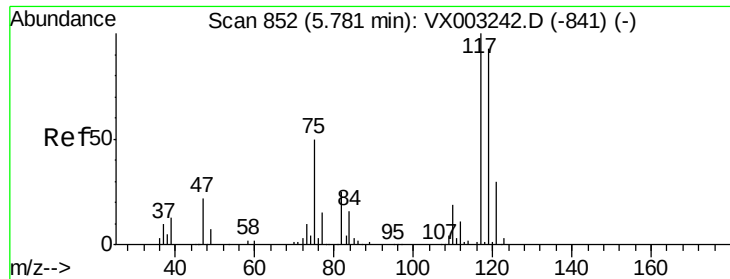
Tot Ion:113 Resp: 152126
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 25.2 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.07 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003312.D
 Acq: 11 Jul 2018 04:37

Tgt Ion: 75 Resp: 17661
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.4#
 77 0.6 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 3.95 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003312.D

Acq: 11 Jul 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

MW-1

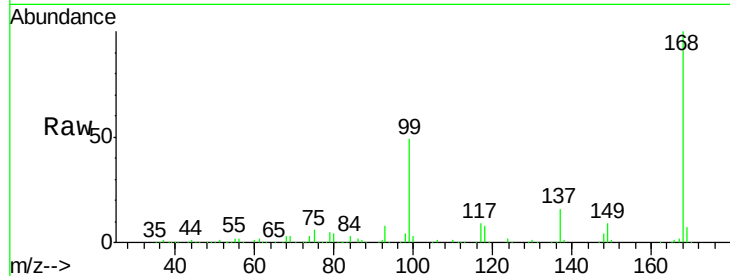
Tot Ion:117 Resp: 24881

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

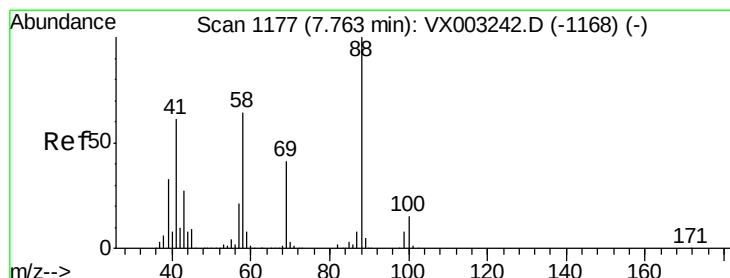
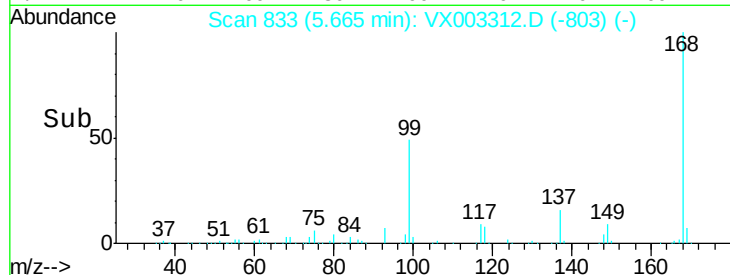
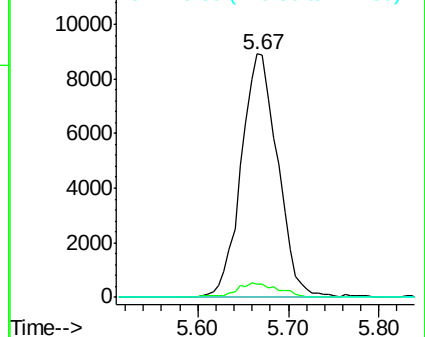
121 0.0 24.4 36.6#



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: 0.43 ug/l

RT: 7.95 min Scan# 1207

Delta R.T. 0.18 min

Lab File: VX003312.D

Acq: 11 Jul 2018 04:37

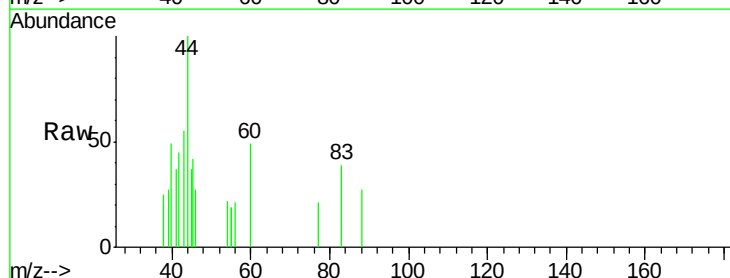
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

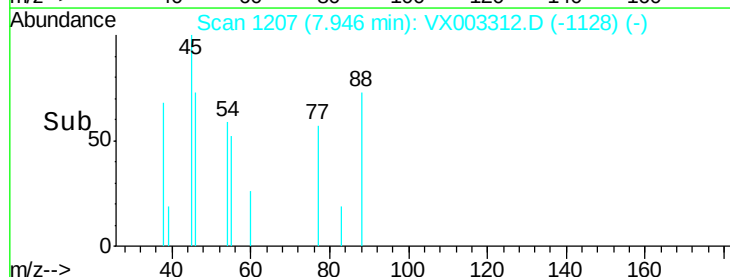
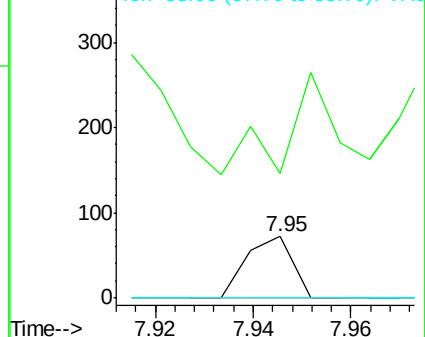
58 0.0 57.1 85.7#

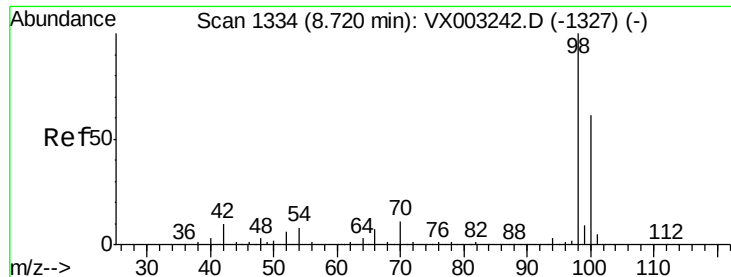


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

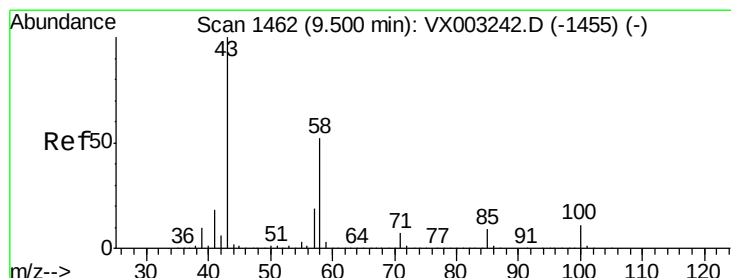
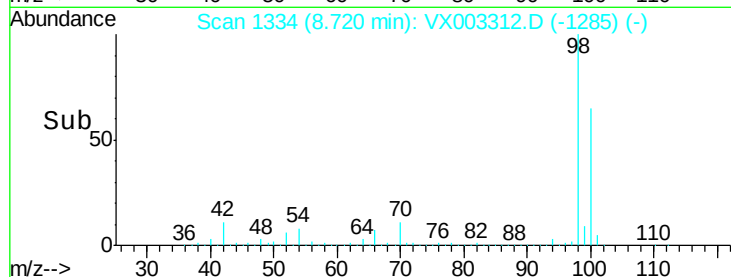
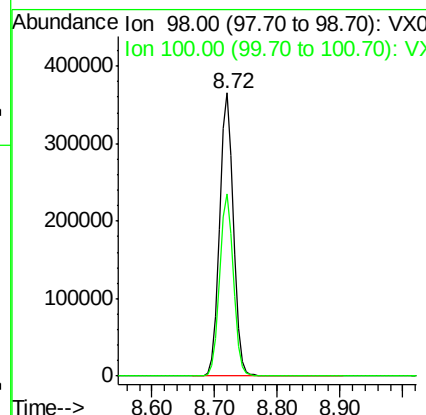
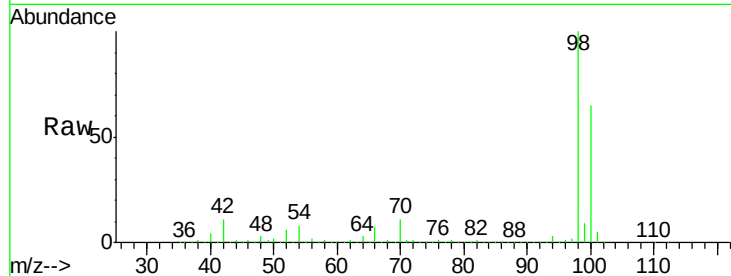




#50
Toluene-d8
Concen: 35.88 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

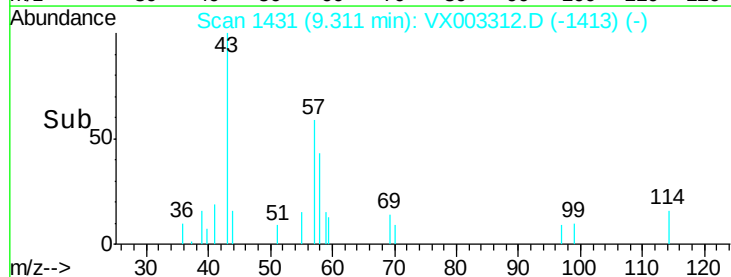
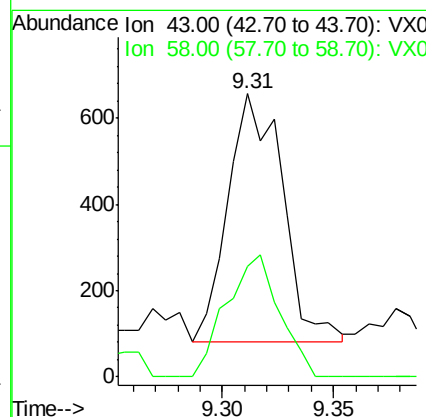
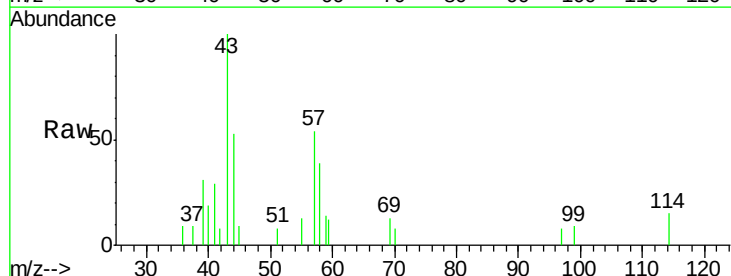
Instrument :
MSVOA_X
ClientSampled :
MW-1

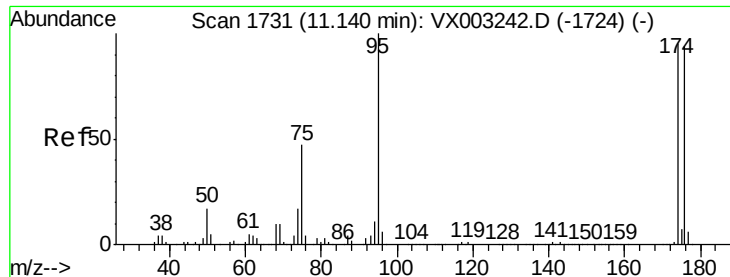
Tot Ion: 98 Resp: 556227
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#59
2-Hexanone
Concen: 0.21 ug/l
RT: 9.31 min Scan# 1431
Delta R.T. -0.19 min
Lab File: VX003312.D
Acq: 11 Jul 2018 04:37

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 47.8 24.6 73.6





#62

4-Bromofluorobenzene

Concen: 33.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003312.D

Acq: 11 Jul 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

MW-1

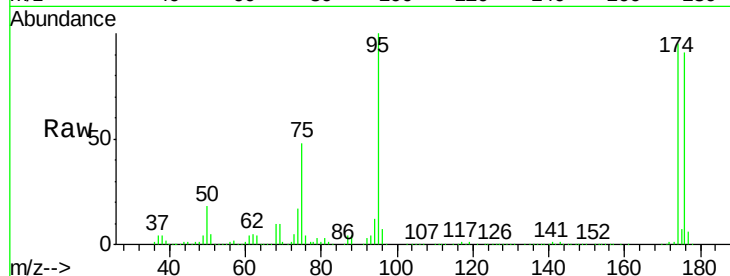
Tot Ion: 95 Resp: 192869

Ion Ratio Lower Upper

95 100

174 100.9 0.0 187.4

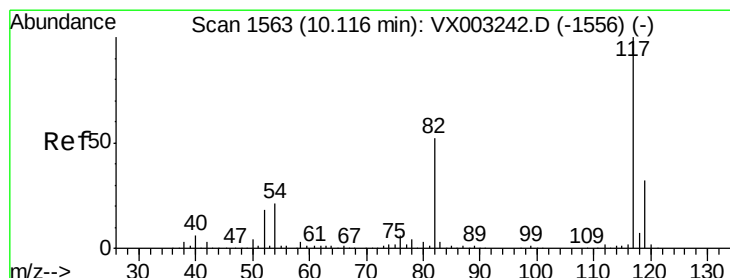
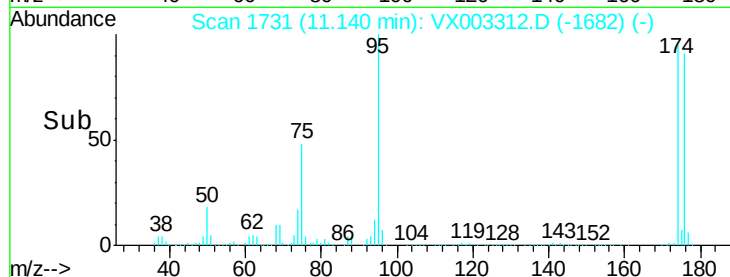
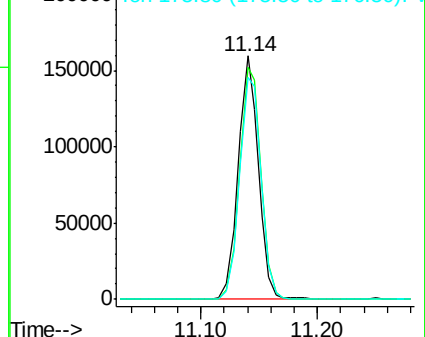
176 97.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003312.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003312.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003312.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003312.D

Acq: 11 Jul 2018 04:37

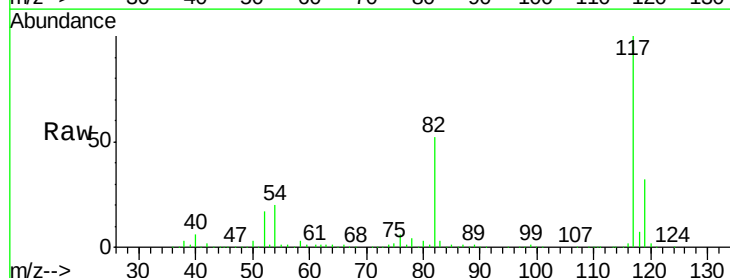
Tgt Ion: 117 Resp: 372497

Ion Ratio Lower Upper

117 100

82 52.1 45.0 67.4

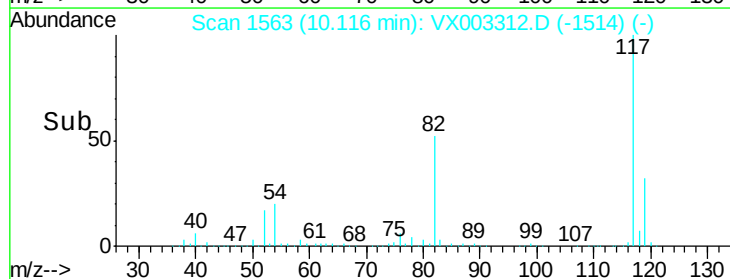
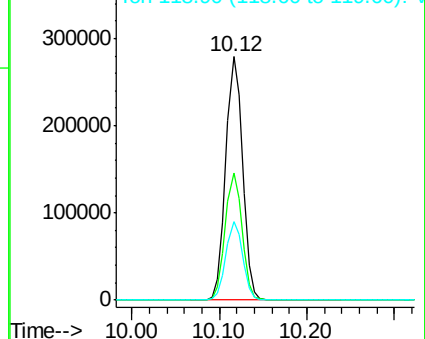
119 32.2 25.8 38.6

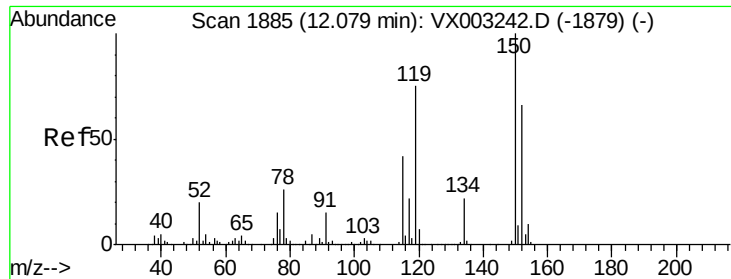


Abundance Ion 116.90 (116.60 to 117.60): VX003312.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003312.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003312.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003312.D

Acq: 11 Jul 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

MW-1

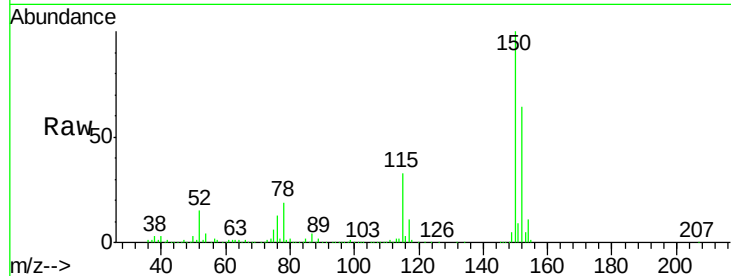
Tot Ion:152 Resp: 210635

Ion Ratio Lower Upper

152 100

115 52.8 40.1 120.2

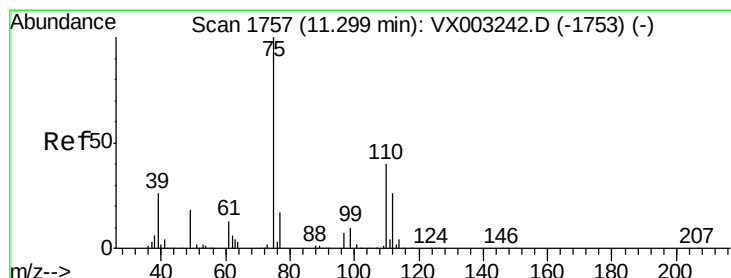
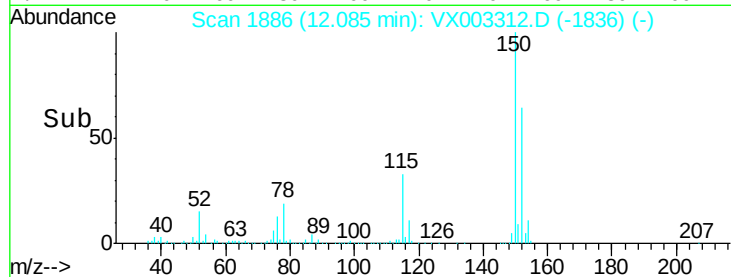
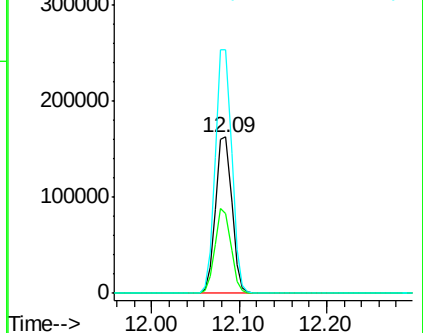
150 156.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003312.D

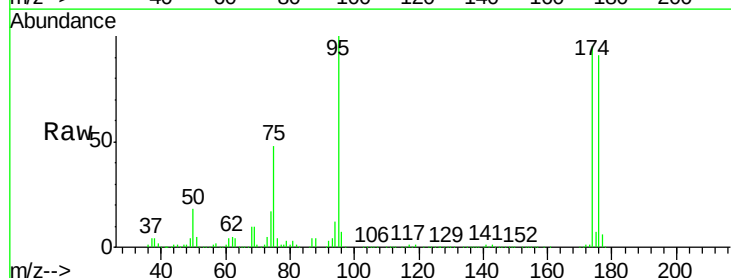
Acq: 11 Jul 2018 04:37

Tgt Ion: 75 Resp: 94205

Ion Ratio Lower Upper

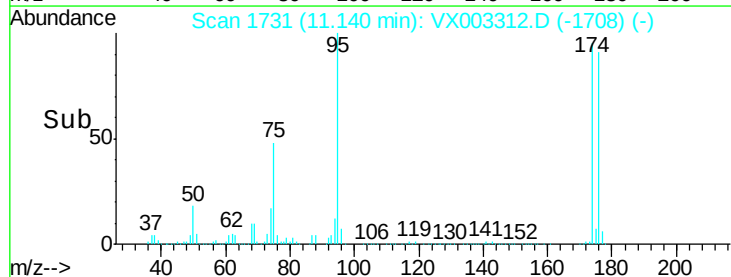
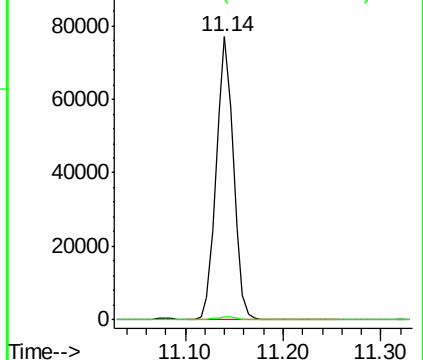
75 100

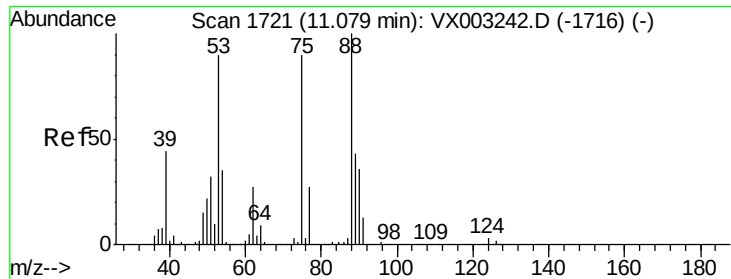
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003312.D

Acq: 11 Jul 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

MW-1

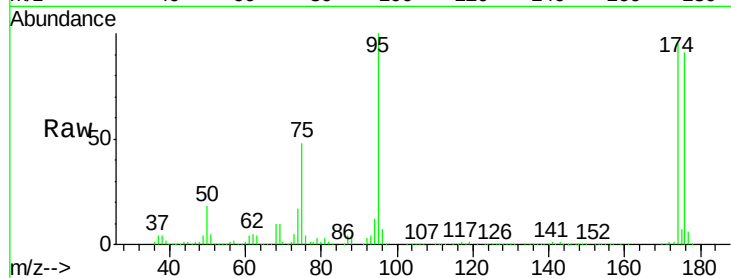
Tot Ion: 75 Resp: 94205

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

