

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003232.D
 Acq On : 07 Jul 2018 00:13
 Operator : JC/MD
 Sample : J3878-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Jul 07 00:46:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205625	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	179320	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
35) Dibromofluoromethane	5.51	113	152839	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	8.72	98	550823	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.14	95	193544	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

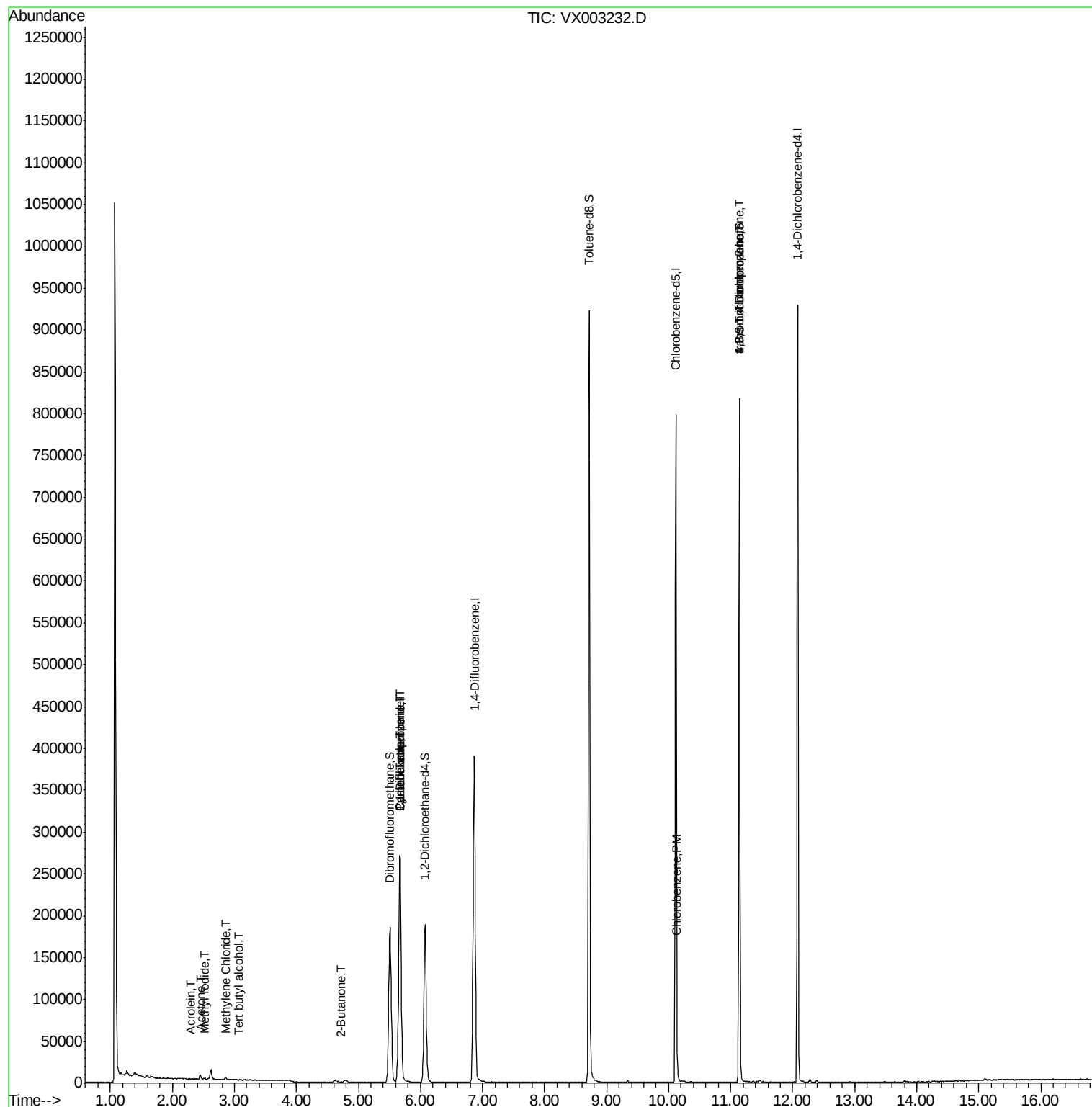
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	19	Below Cal	#	43
3) Chloromethane	1.32	50	1212	Below Cal		94
5) Bromomethane	1.65	94	1578	Below Cal	#	79
6) Chloroethane	1.72	64	290	Below Cal	#	74
10) Methyl Iodide	2.52	142	1896	6.75	ug/l	97
11) Tert butyl alcohol	3.07	59	204	0.26	ug/l	# 27
13) Acrolein	2.31	56	115	4.49	ug/l	# 14
16) Acetone	2.45	43	6476	3.99	ug/l	98
20) Methylene Chloride	2.85	84	941	0.30	ug/l	# 76
25) 2-Butanone	4.71	43	673	0.28	ug/l	# 52
31) Cyclohexane	5.66	56	5187	1.06	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	18057	4.16	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	24898	5.23	ug/l	# 16
65) Chlorobenzene	10.14	112	1937	0.21	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	95300	25.59	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	95300	72.61	ug/l	# 7

(#) = 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. 0.01 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

Instrument :

MSVOA_X

ClientSampleId :

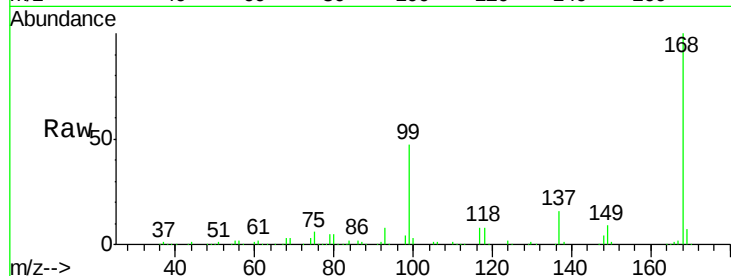
MW-1

Tot Ion:168 Resp: 283272

Ion Ratio Lower Upper

168 100

99 47.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

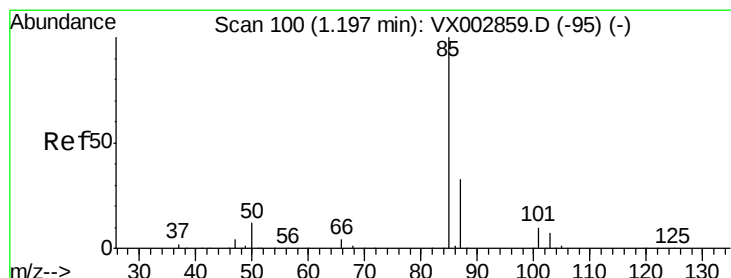
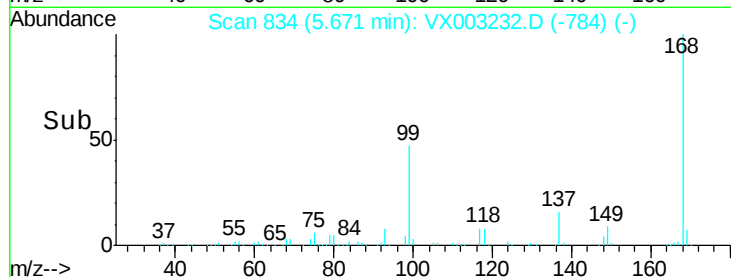
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 127

Delta R.T. 0.17 min

Lab File: VX003232.D

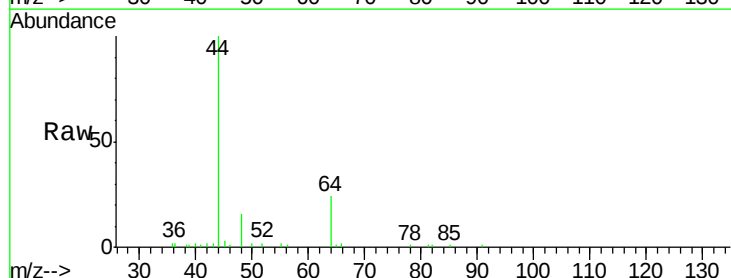
Acq: 07 Jul 2018 00:13

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.36

60

50

40

30

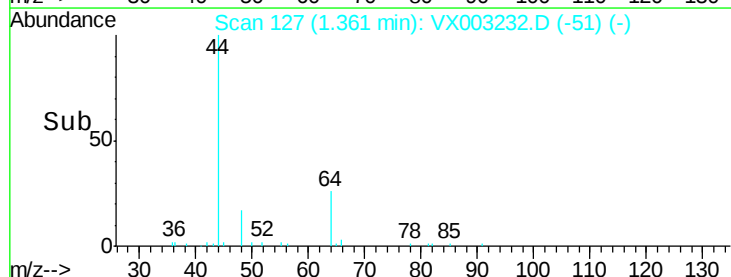
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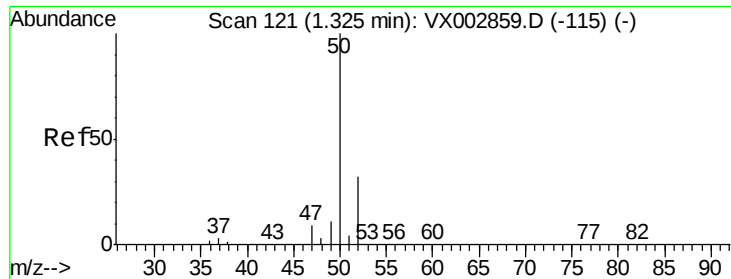
10

0

1.34 1.35 1.36 1.37 1.38

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

Instrument :

MSVOA_X

ClientSampled :

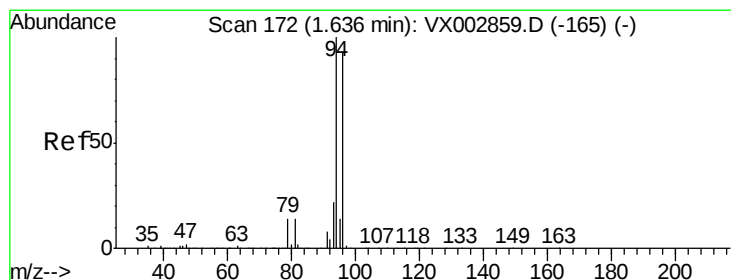
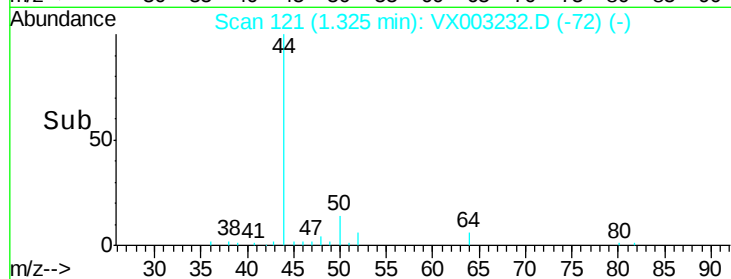
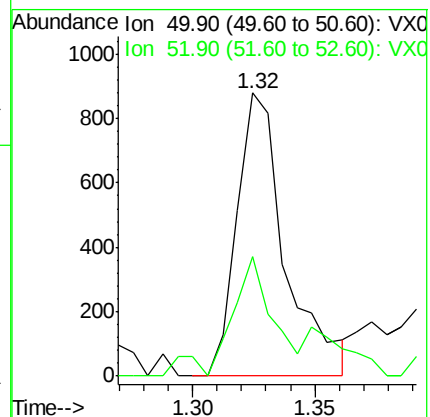
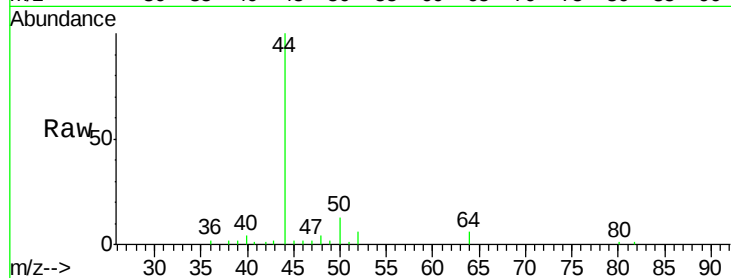
MW-1

Tot Ion: 50 Resp: 1212

Ion Ratio Lower Upper

50 100

52 35.3 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003232.D

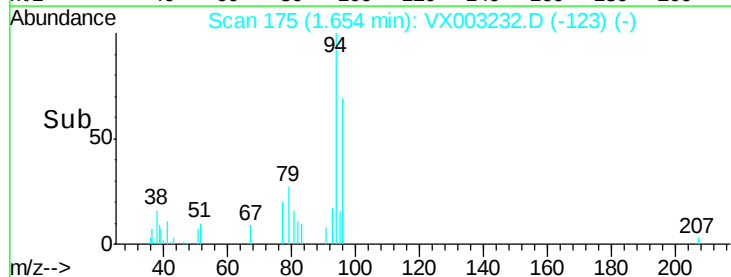
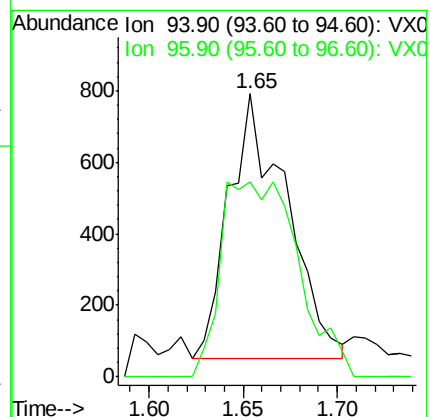
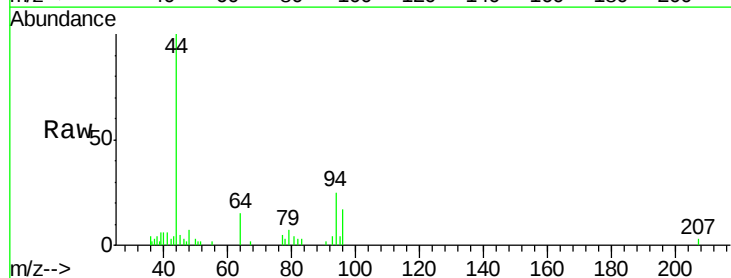
Acq: 07 Jul 2018 00:13

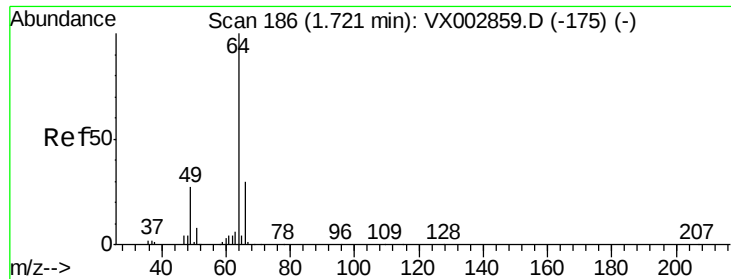
Tgt Ion: 94 Resp: 1578

Ion Ratio Lower Upper

94 100

96 73.5 74.9 112.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

Instrument :

MSVOA_X

ClientSampled :

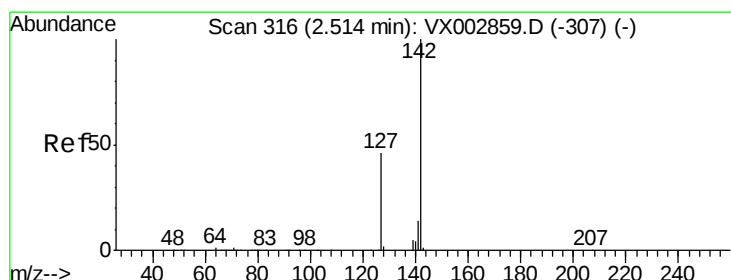
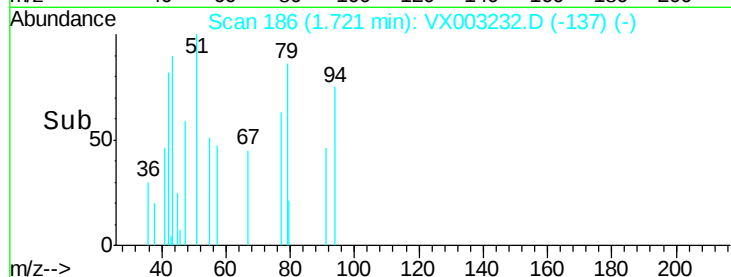
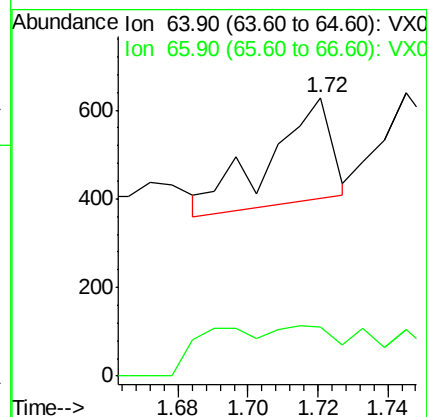
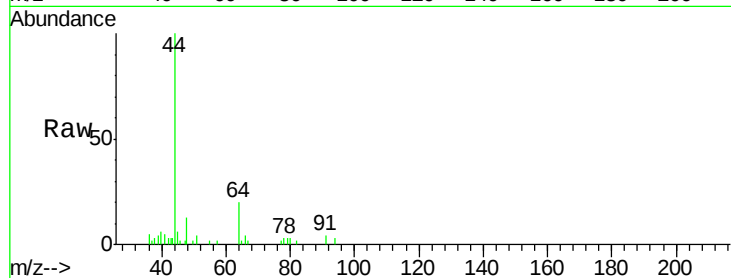
MW-1

Tot Ion: 64 Resp: 290

Ion Ratio Lower Upper

64 100

66 17.6 25.5 38.3#



#10

Methyl Iodide

Concen: 6.75 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

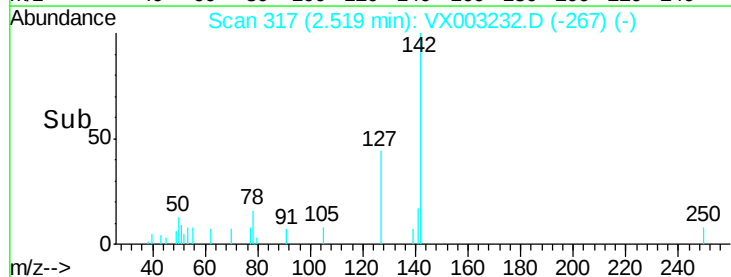
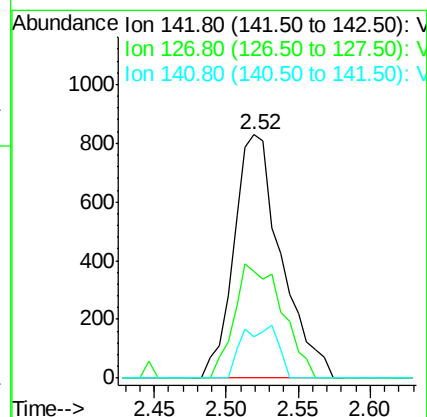
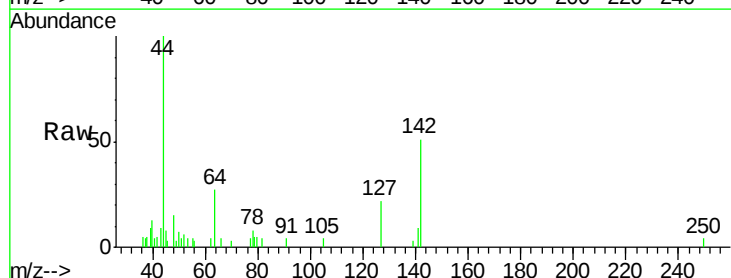
Tgt Ion:142 Resp: 1896

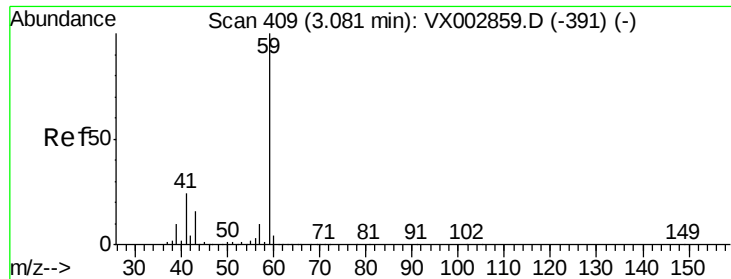
Ion Ratio Lower Upper

142 100

127 47.4 36.6 55.0

141 16.2 11.3 16.9



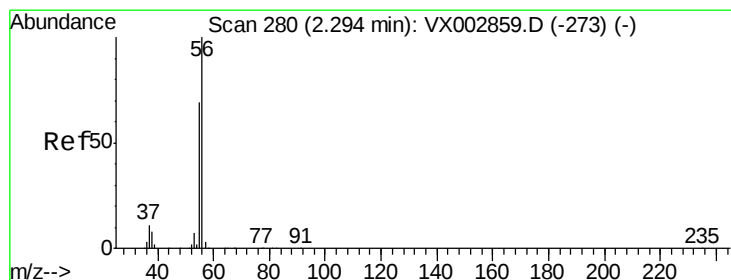
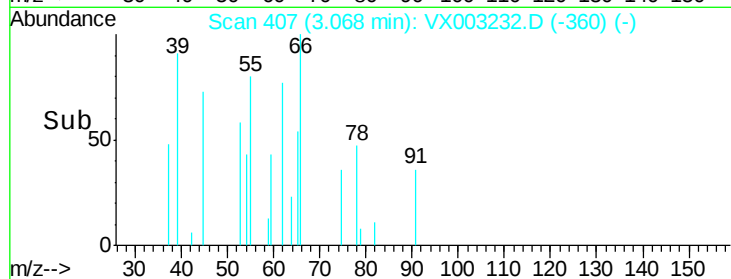
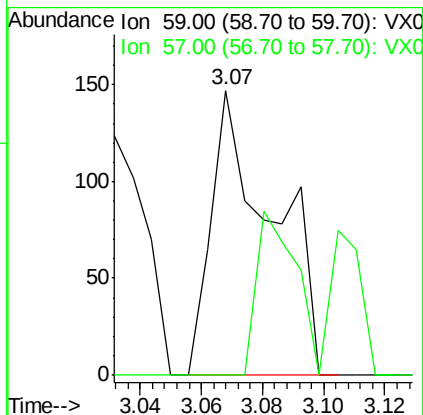
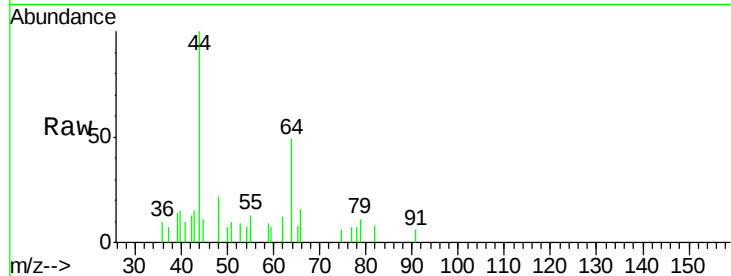


#11

Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

Instrument :
MSVOA_X
ClientSampled :
MW-1

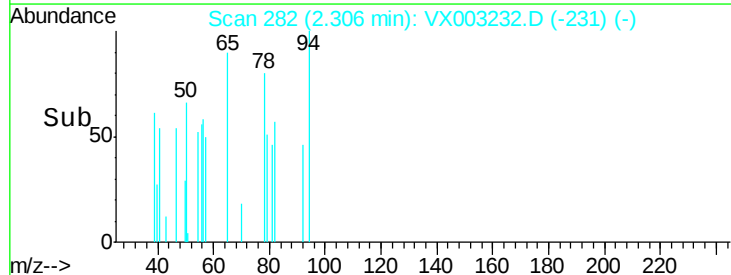
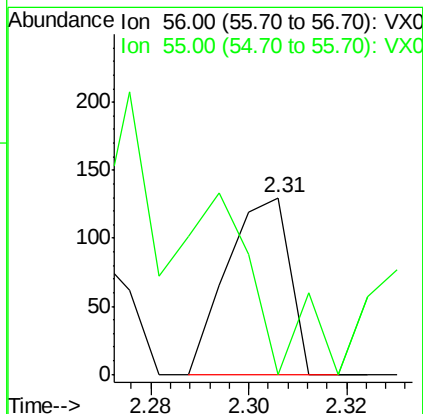
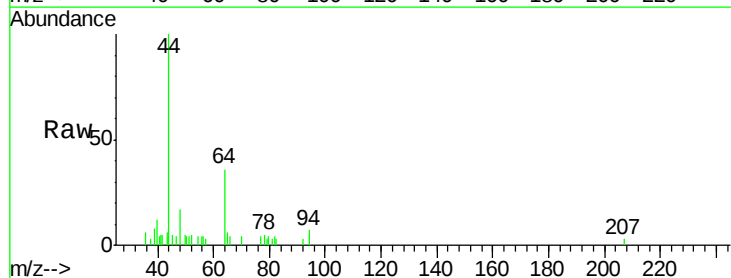
Tot Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 37.3 8.2 12.2#

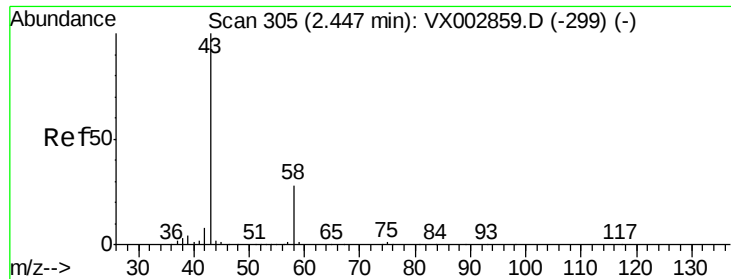


#13

Acrolein
Concen: 4.49 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 3.99 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

Instrument :

MSVOA_X

ClientSampleId :

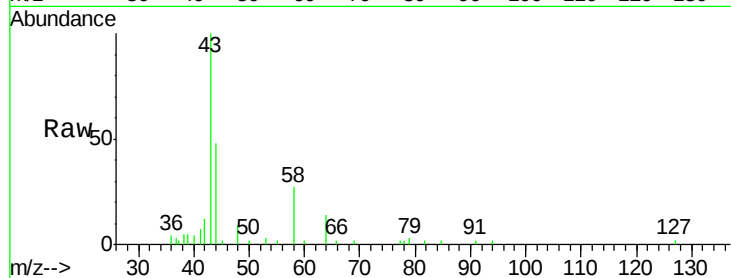
MW-1

Tot Ion: 43 Resp: 6476

Ion Ratio Lower Upper

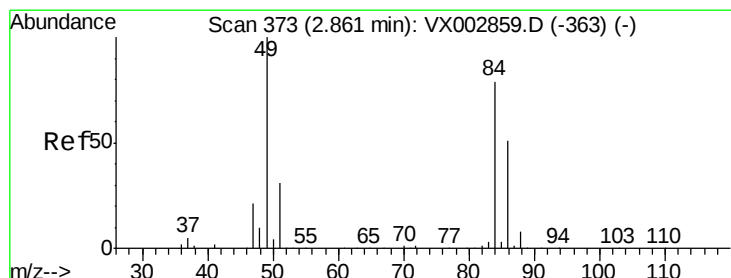
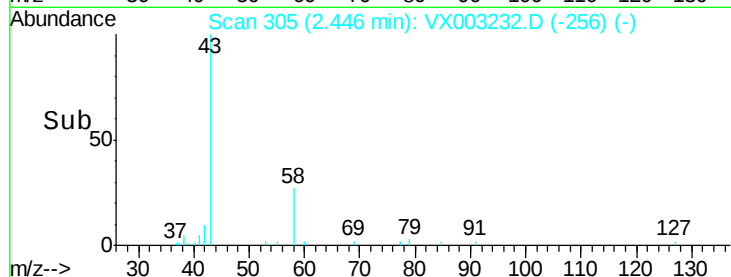
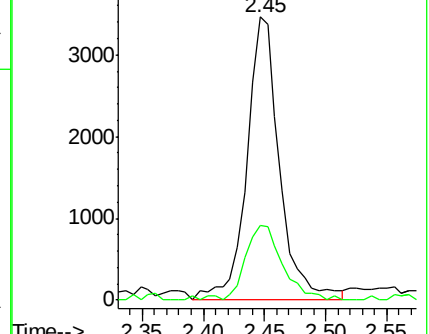
43 100

58 26.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.30 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

Tgt Ion: 84 Resp: 941

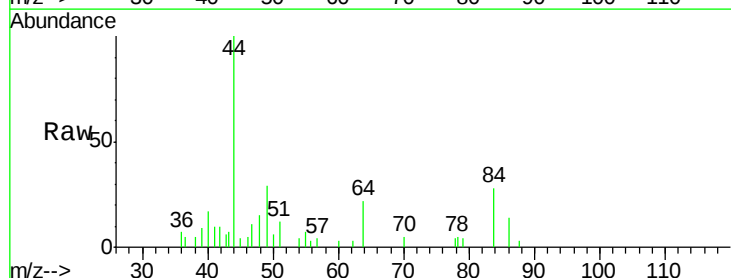
Ion Ratio Lower Upper

84 100

49 104.1 107.8 161.6#

51 27.6 32.8 49.2#

86 49.0 52.5 78.7#

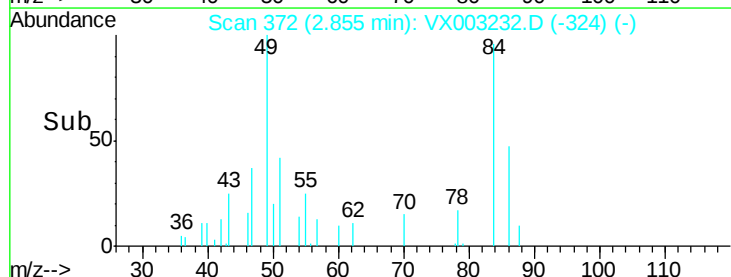
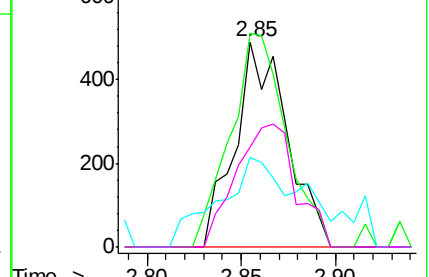


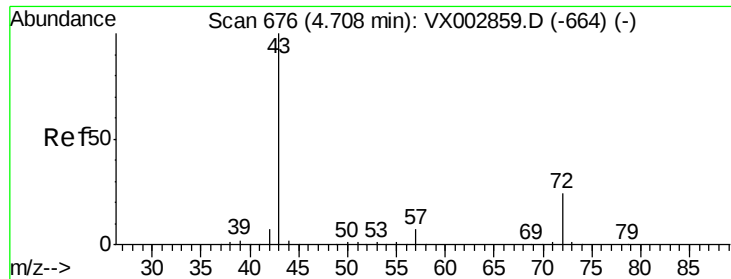
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

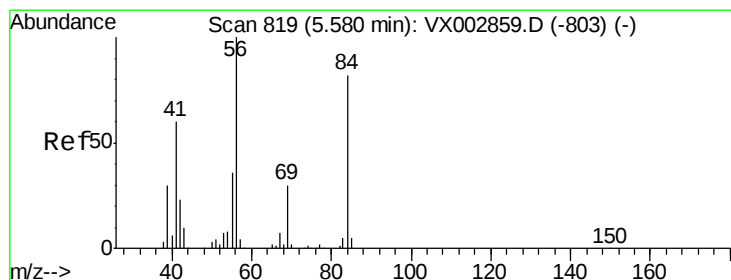
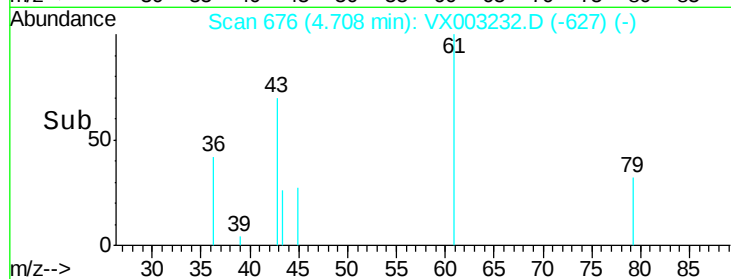
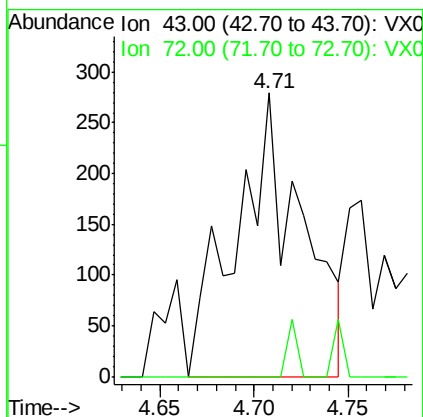
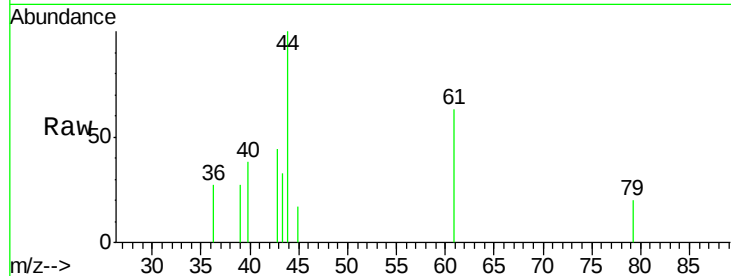




#25
2-Butanone
Concen: 0.28 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

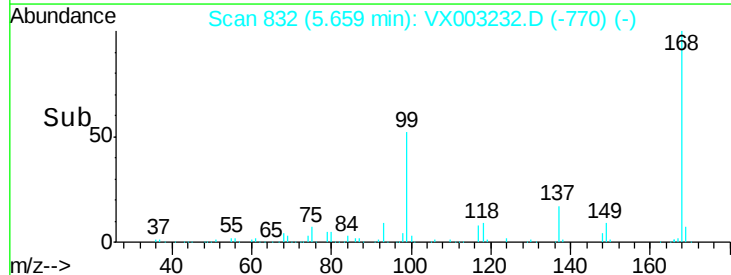
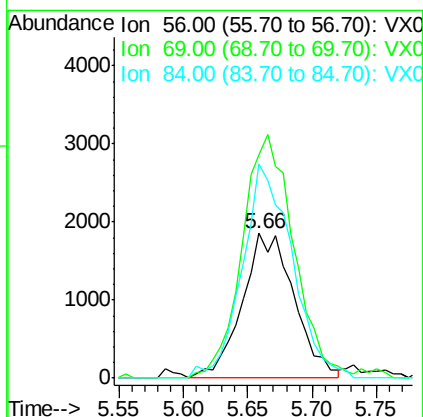
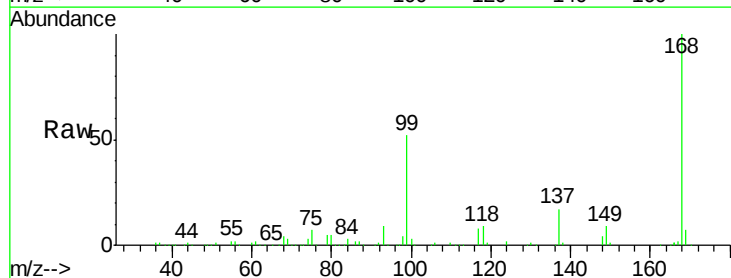
Instrument :
MSVOA_X
ClientSampleId :
MW-1

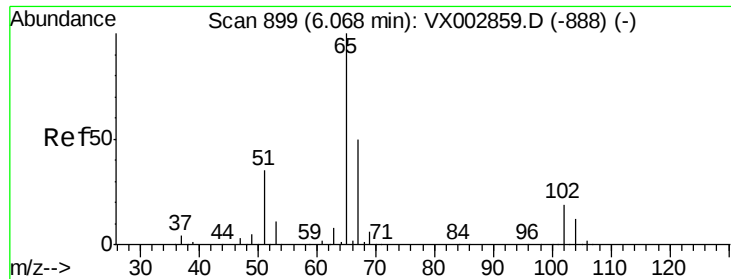
Tot Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

Tgt Ion: 56 Resp: 5187
Ion Ratio Lower Upper
56 100
69 153.6 23.7 35.5#
84 147.9 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 45.80 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

Instrument :

MSVOA_X

ClientSampled :

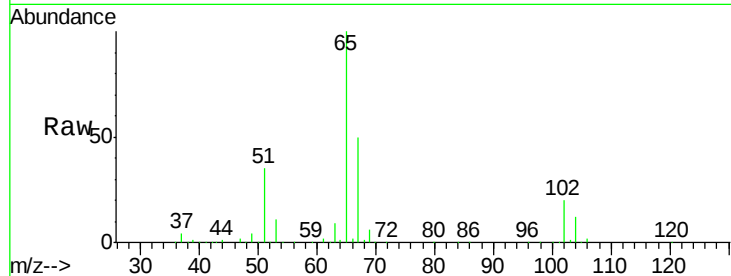
MW-1

Tot Ion: 65 Resp: 179320

Ion Ratio Lower Upper

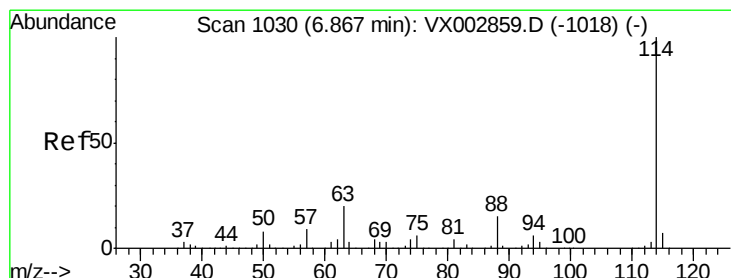
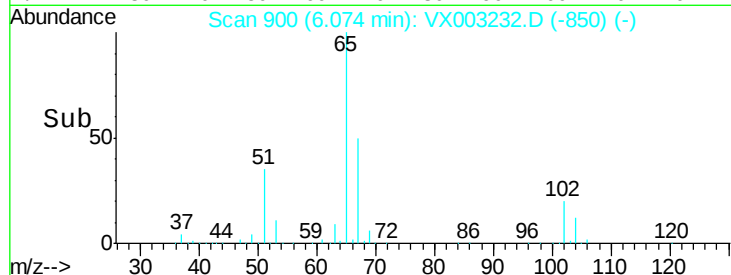
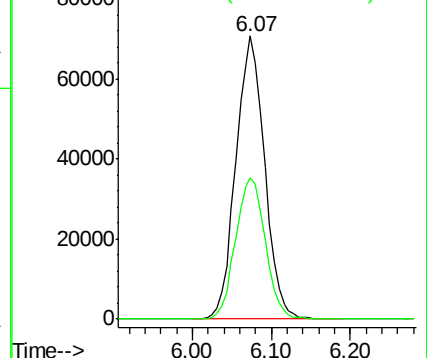
65 100

67 51.8 0.0 102.6



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# 1030

Delta R.T. -0.00 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

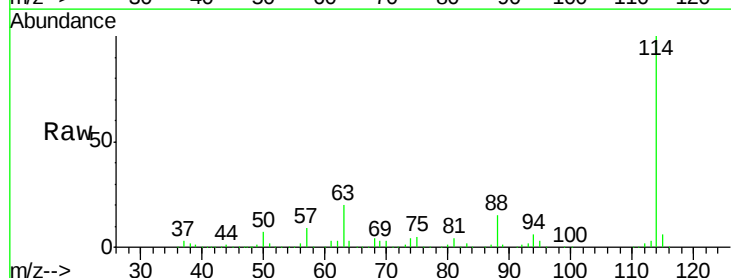
Tgt Ion: 114 Resp: 395397

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

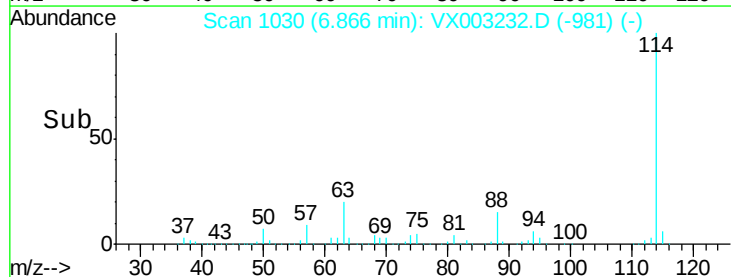
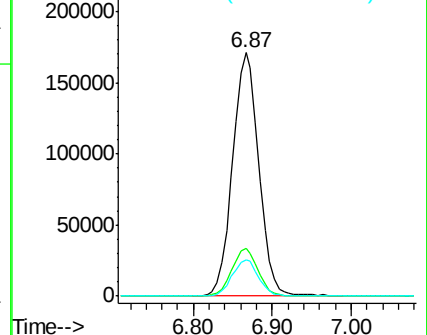
88 14.9 0.0 30.0

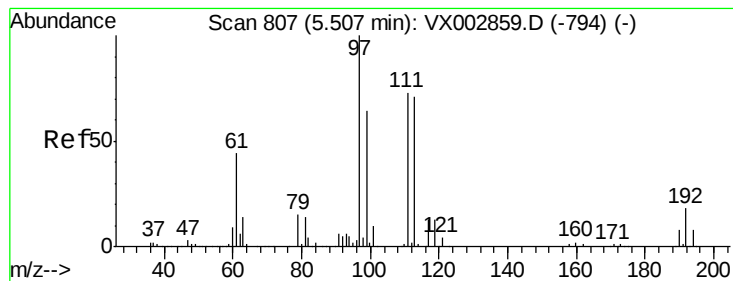


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.81 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

Instrument :

MSVOA_X

ClientSampleId :

MW-1

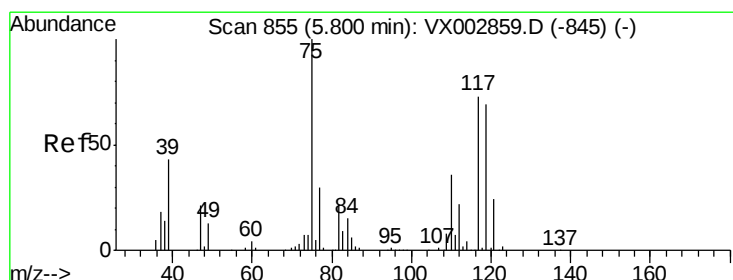
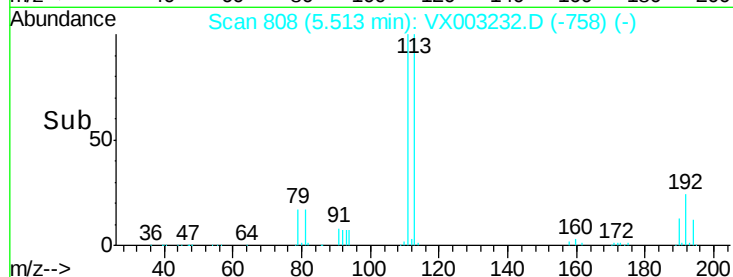
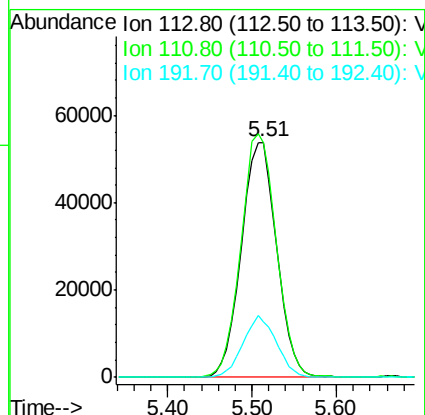
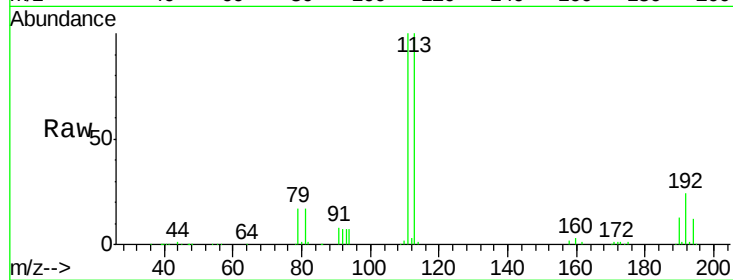
Tot Ion:113 Resp: 152839

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 24.9 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.16 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003232.D

Acq: 07 Jul 2018 00:13

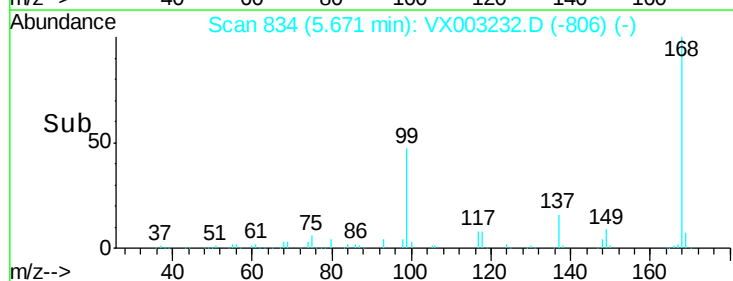
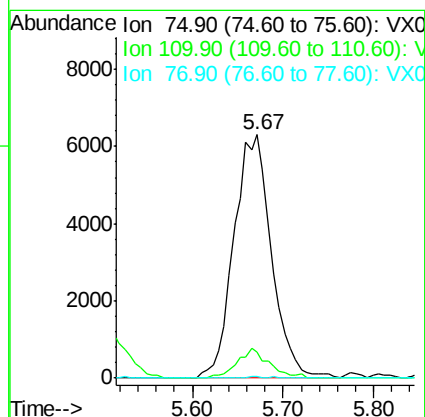
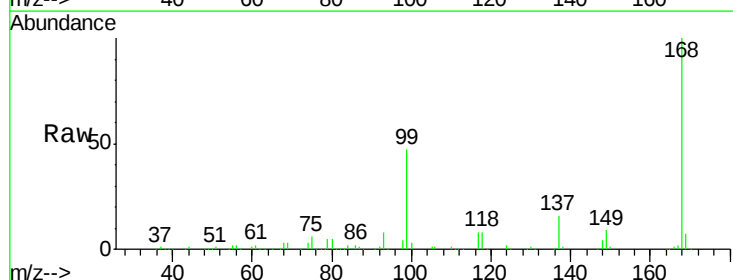
Tgt Ion: 75 Resp: 18057

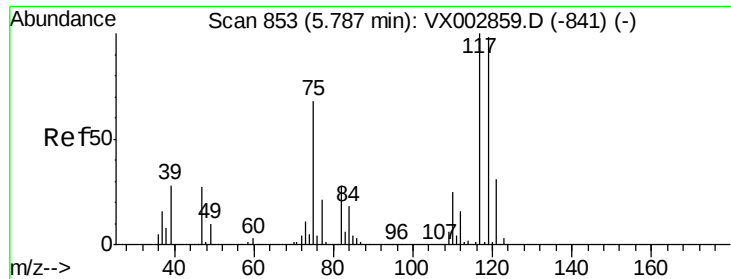
Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

77 0.2 24.3 36.5#

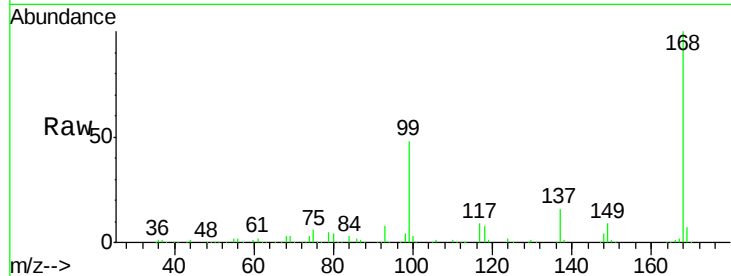




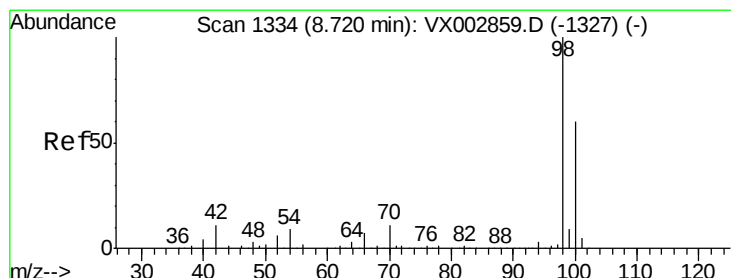
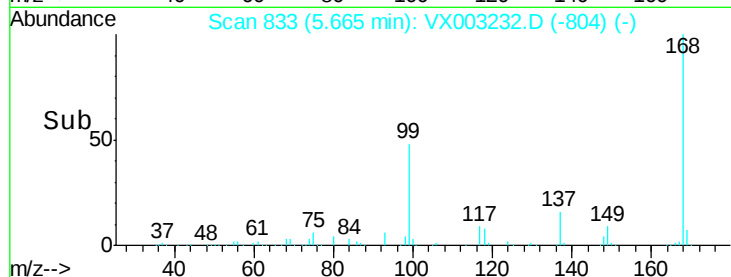
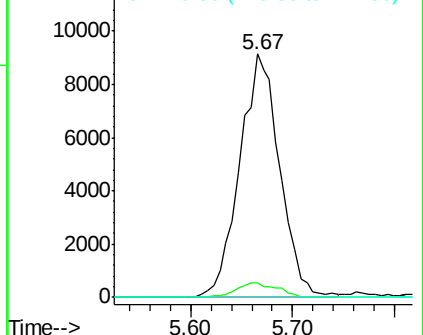
#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion:117 Resp: 24898
Ion Ratio Lower Upper
117 100
119 6.1 77.4 116.0#
121 0.0 24.4 36.6#

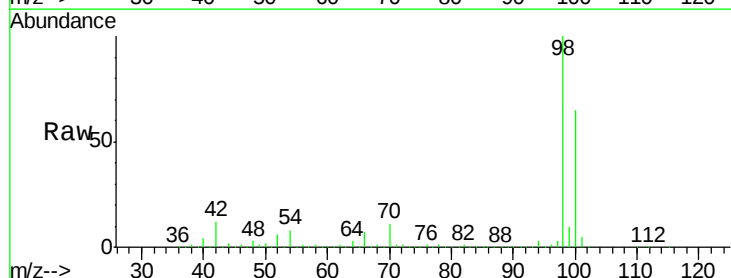


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

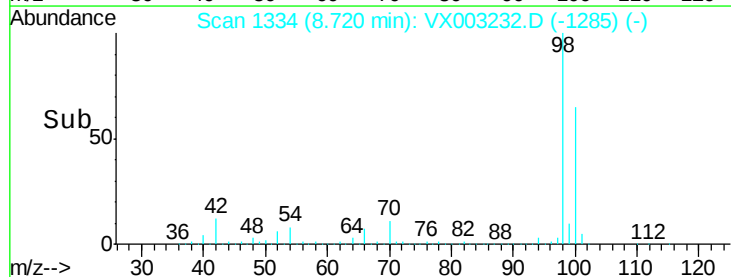
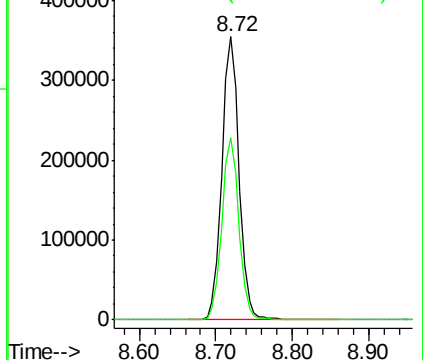


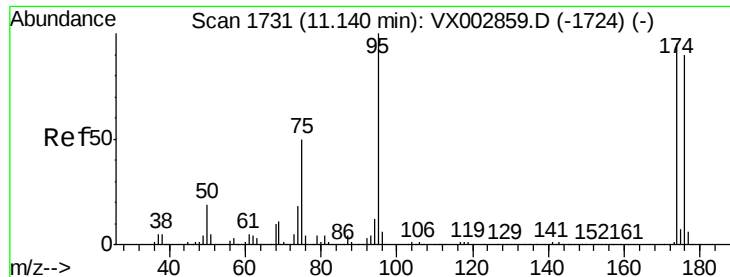
#50
Toluene-d8
Concen: 48.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

Tgt Ion: 98 Resp: 550823
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



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

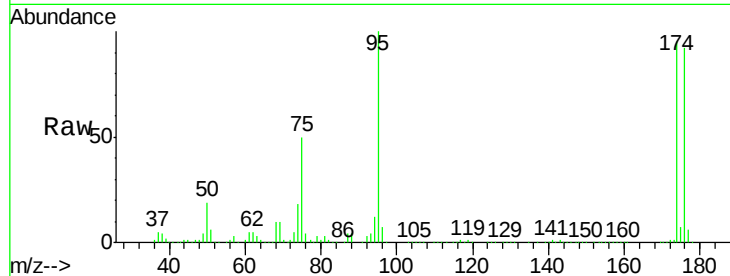




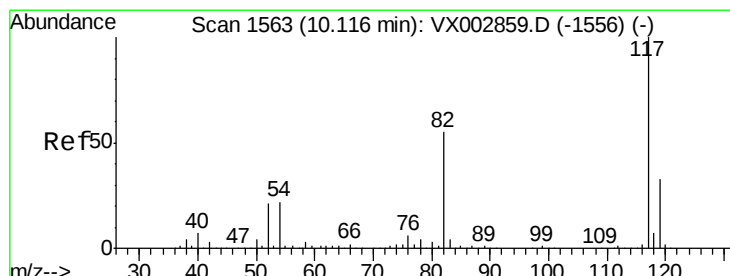
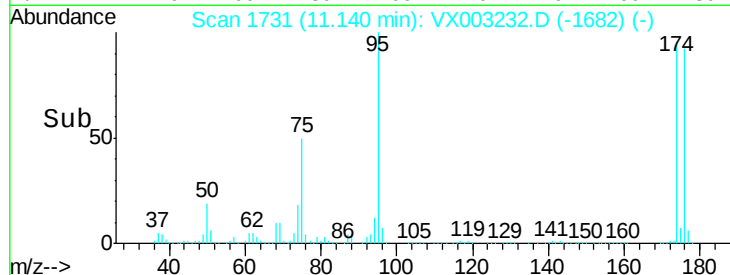
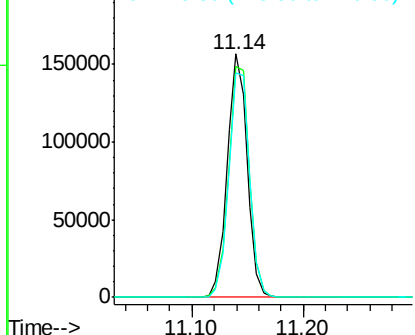
#62
 4-Bromofluorobenzene
 Concen: 43.89 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003232.D
 Acq: 07 Jul 2018 00:13

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tot Ion: 95 Resp: 193544
 Ion Ratio Lower Upper
 95 100
 174 99.6 0.0 187.4
 176 96.6 0.0 181.0

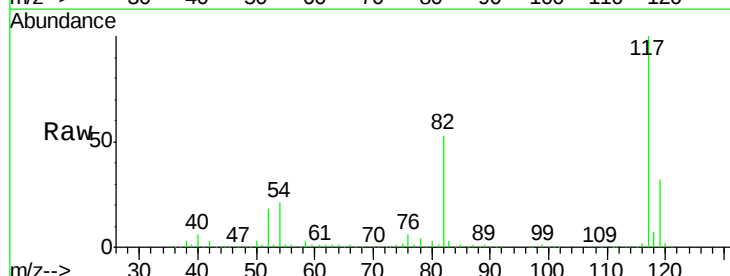


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

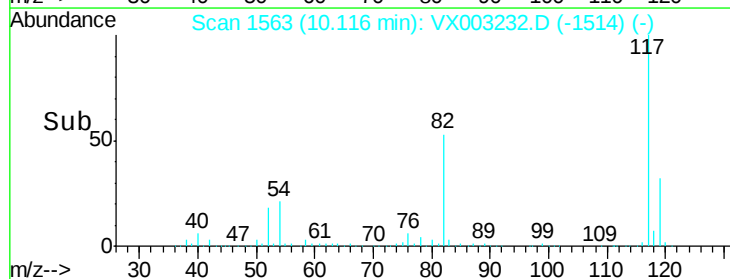
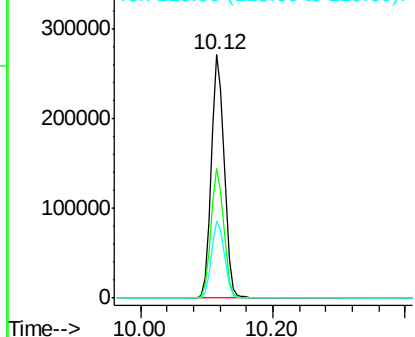


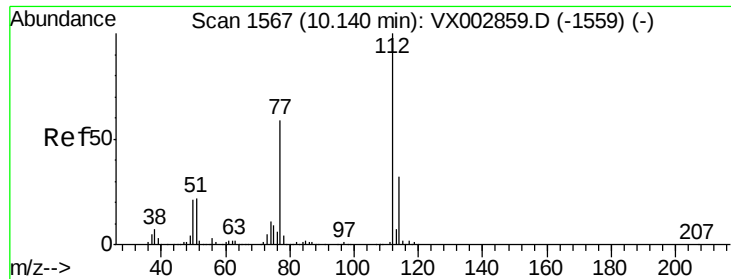
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX003232.D
 Acq: 07 Jul 2018 00:13

Tgt Ion: 117 Resp: 365624
 Ion Ratio Lower Upper
 117 100
 82 53.3 45.0 67.4
 119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

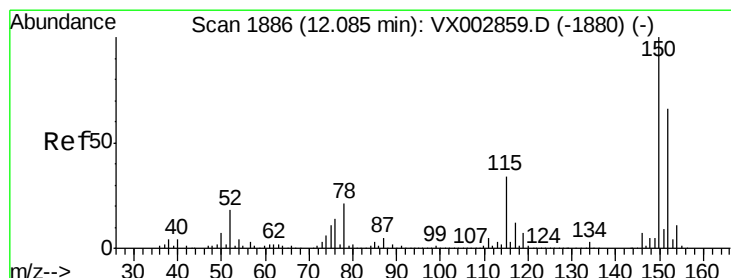
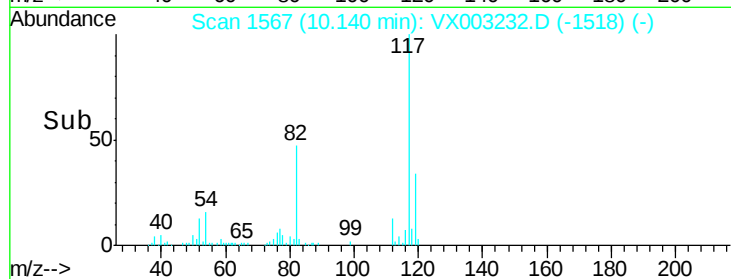
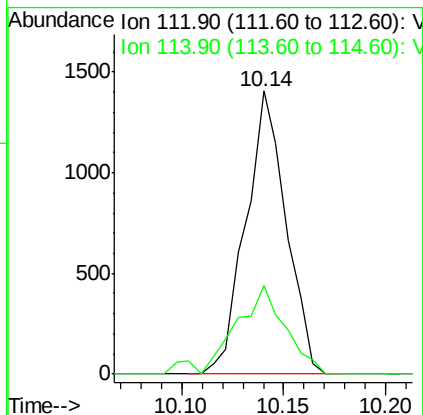
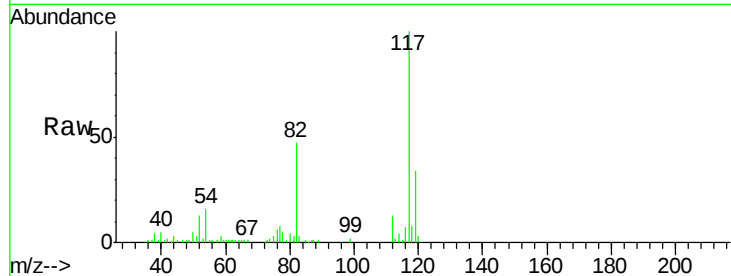




#65
Chlorobenzene
Concen: 0.21 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

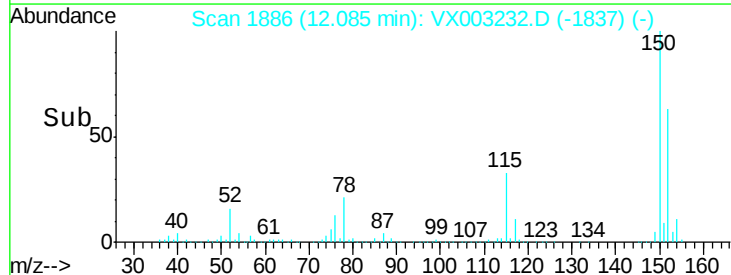
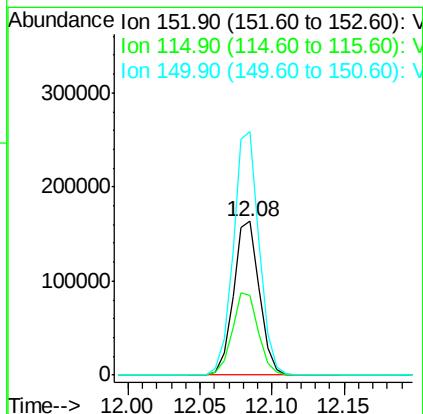
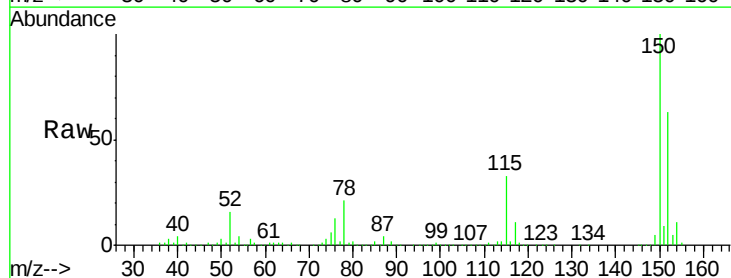
Instrument :
MSVOA_X
ClientSampleId :
MW-1

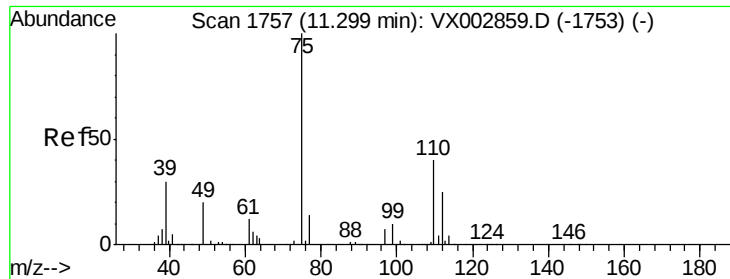
Tot Ion:112 Resp: 1937
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003232.D
Acq: 07 Jul 2018 00:13

Tgt Ion:152 Resp: 205625
Ion Ratio Lower Upper
152 100
115 53.9 40.1 120.2
150 157.8 0.0 347.2

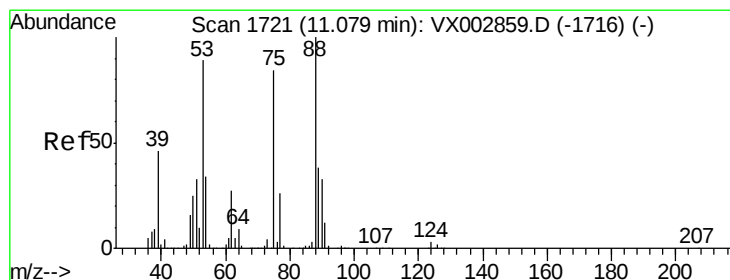
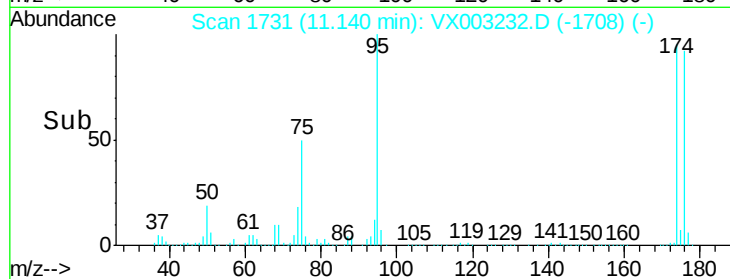
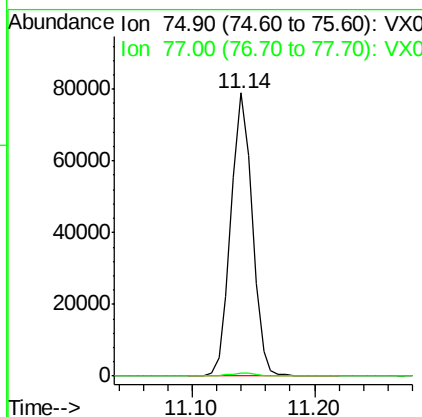
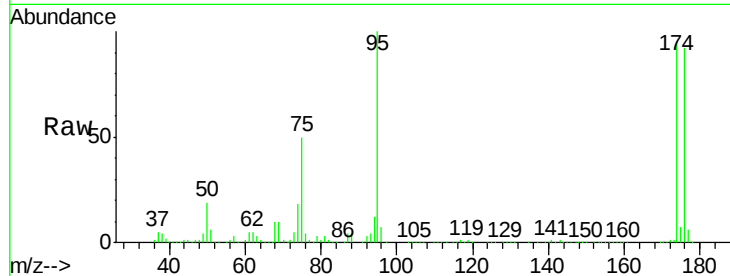




#76
 1,2,3-Trichloropropane
 Concen: 25.59 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003232.D
 Acq: 07 Jul 2018 00:13

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tot Ion: 75 Resp: 95300
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.61 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003232.D
 Acq: 07 Jul 2018 00:13

Tgt Ion: 75 Resp: 95300
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.8 130.2#
 89 0.1 38.2 57.2#

