

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001068.D
 Acq On : 23 Apr 2018 19:18
 Operator : JC/MD
 Sample : J2464-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-180418

Quant Time: Apr 24 07:04:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	278702	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	251531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	146698	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	131696	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	5.51	113	101106	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	8.72	98	390319	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	139201	42.21	ug/l	0.00
Spiked Amount			Recovery	=	84.42%	

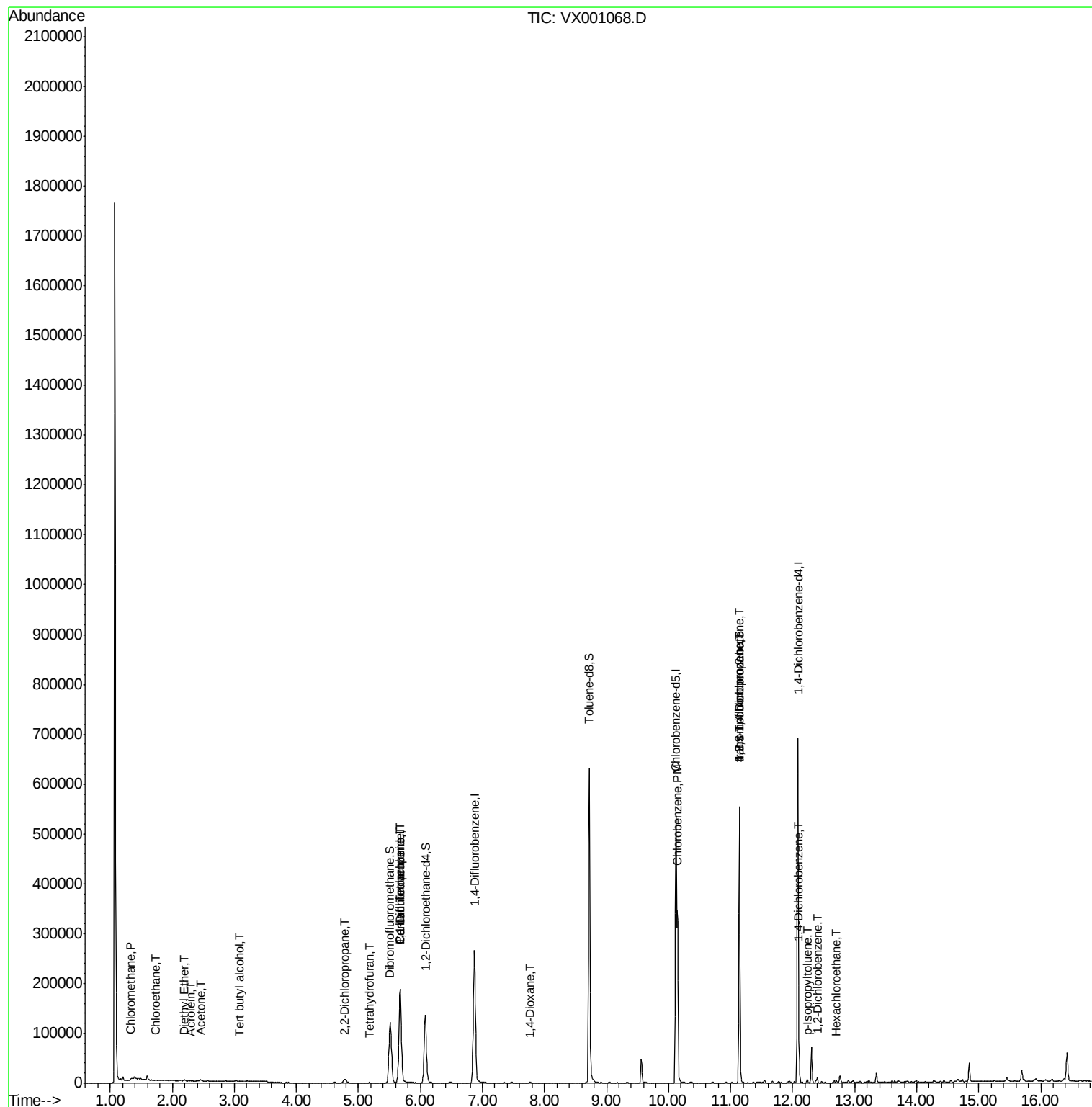
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	498	0.21	ug/l	94
5) Bromomethane	1.66	94	260	Below Cal	#	53
6) Chloroethane	1.73	64	305	0.21	ug/l	90
8) Diethyl Ether	2.20	74	834	0.63	ug/l	89
11) Tert butyl alcohol	3.08	59	774	2.02	ug/l	# 75
13) Acrolein	2.29	56	24	11.13	ug/l	# 14
16) Acetone	2.45	43	2689	2.81	ug/l	94
20) Methylene Chloride	2.87	84	159	Below Cal	#	30
26) 2,2-Dichloropropane	4.77	77	670	0.20	ug/l	# 53
29) Tetrahydrofuran	5.18	42	605	0.64	ug/l	# 52
36) 1,1-Dichloropropene	5.67	75	12757	3.90	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	17456	5.26	ug/l	# 15
49) 1,4-Dioxane	7.77	88	1065	26.10	ug/l	93
65) Chlorobenzene	10.15	112	145809	21.77	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	69901	27.46	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	69901	82.05	ug/l	# 8
86) p-Isopropyltoluene	12.24	119	2756	0.30	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	17370	3.25	ug/l	92
90) Hexachloroethane	12.71	117	1235	0.96	ug/l	# 1
91) 1,2-Dichlorobenzene	12.40	146	2926	0.58	ug/l	96

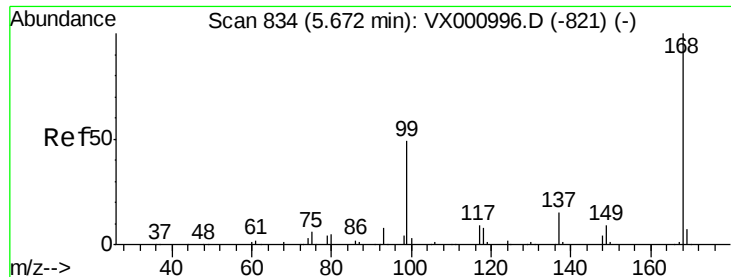
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

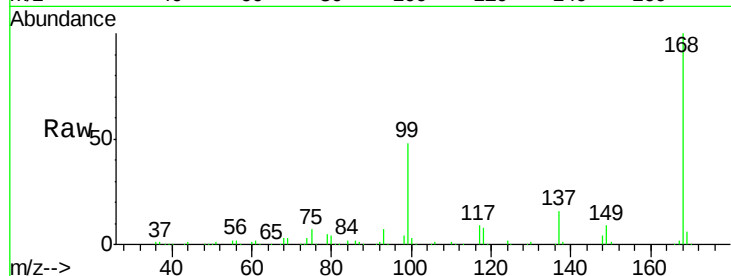
SS043MW010-180418

Tgt Ion:168 Resp: 200754

Ion Ratio Lower Upper

168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

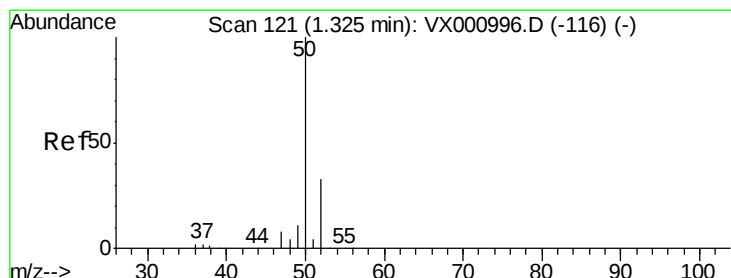
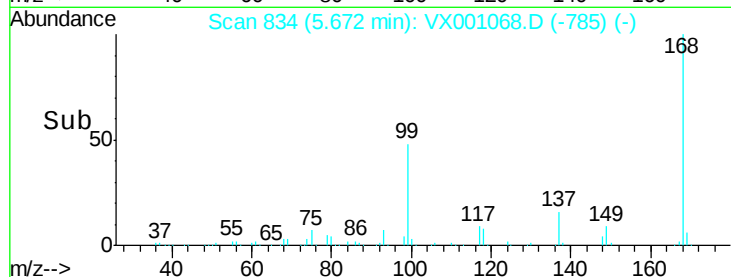
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001068.D

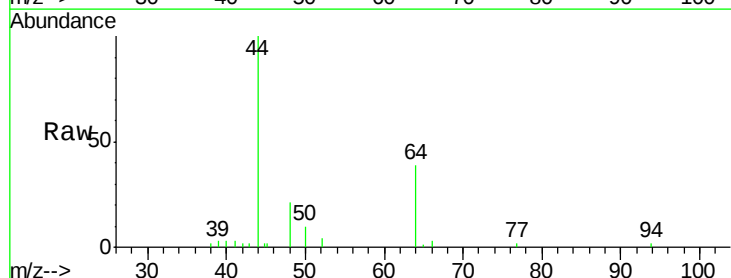
Acq: 23 Apr 2018 19:18

Tgt Ion: 50 Resp: 498

Ion Ratio Lower Upper

50 100

52 36.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

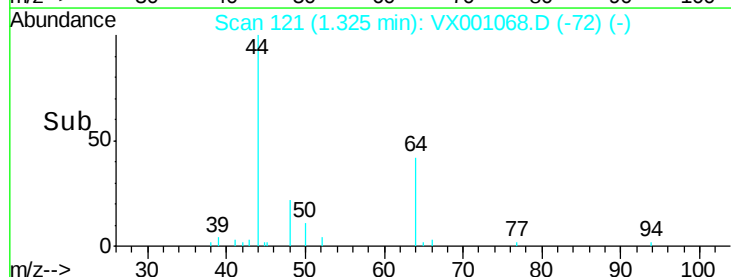
200

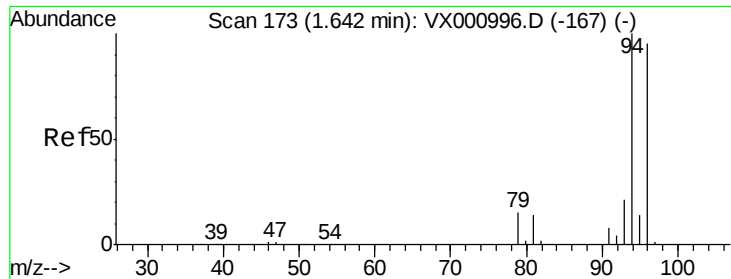
100

0

Time-->

1.28 1.30 1.32 1.34 1.36

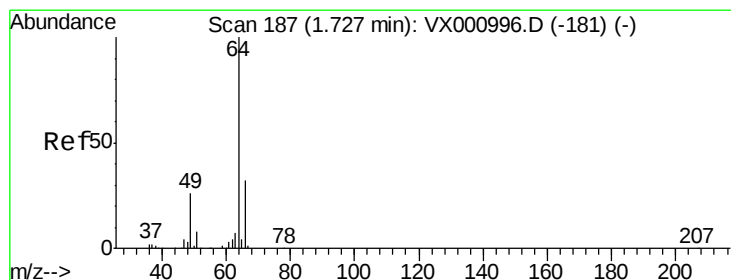
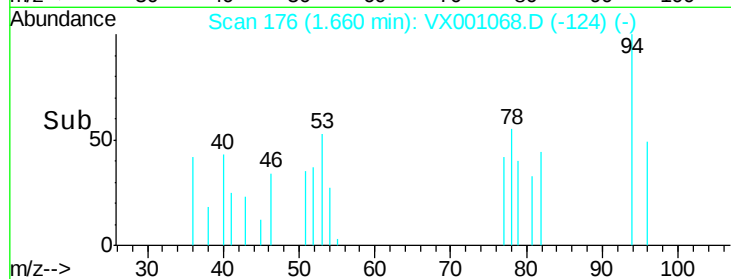
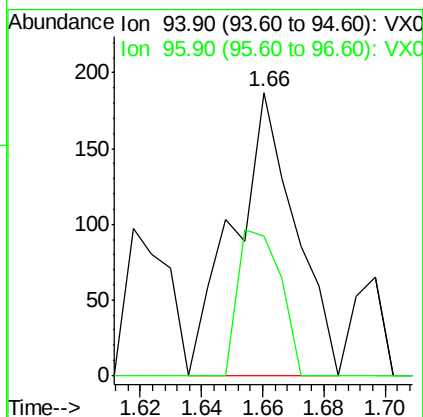
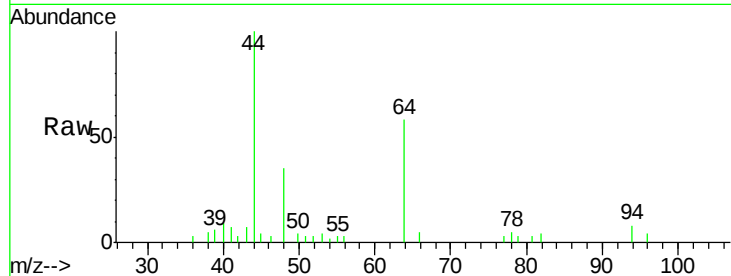




#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX001068.D
Acq: 23 Apr 2018 19:18

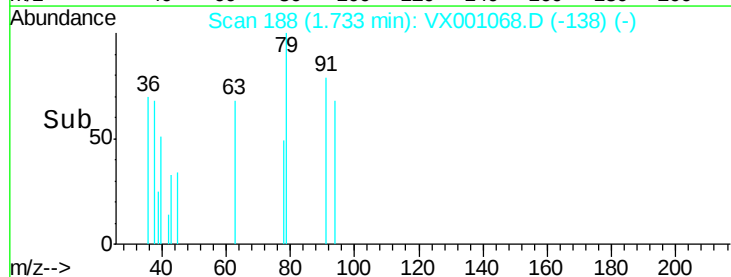
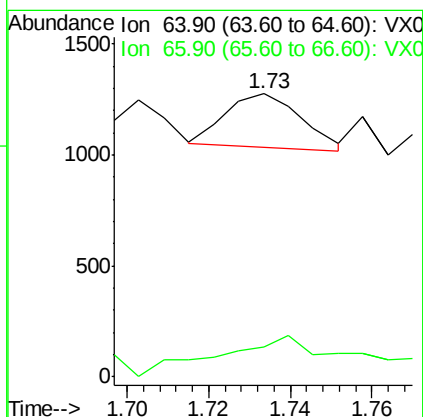
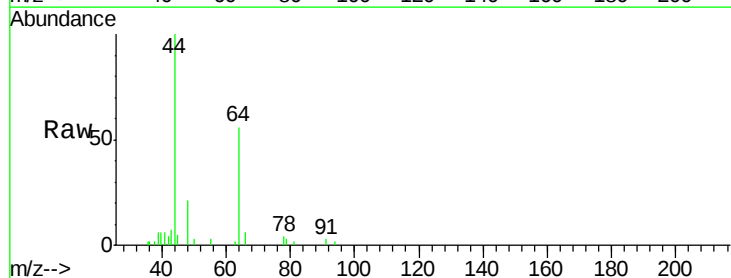
Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-180418

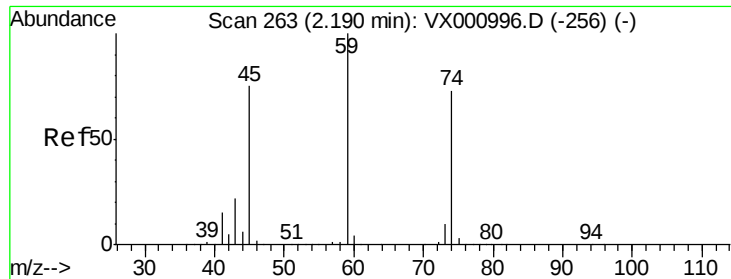
Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 49.2 76.0 114.0#



#6
Chloroethane
Concen: 0.21 ug/l
RT: 1.73 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX001068.D
Acq: 23 Apr 2018 19:18

Tgt Ion: 64 Resp: 305
Ion Ratio Lower Upper
64 100
66 26.1 25.3 37.9





#8

Diethyl Ether

Concen: 0.63 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

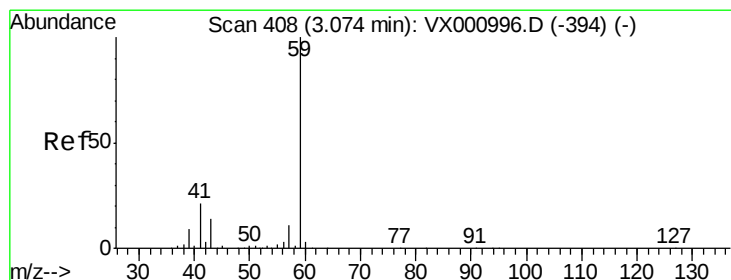
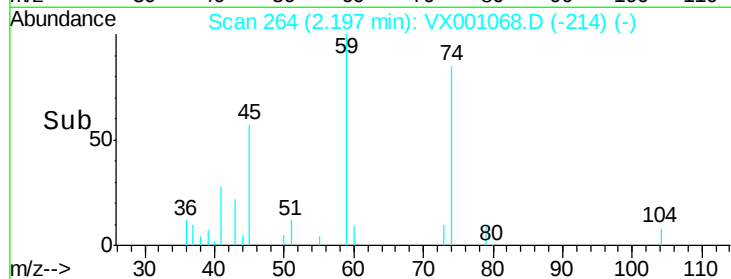
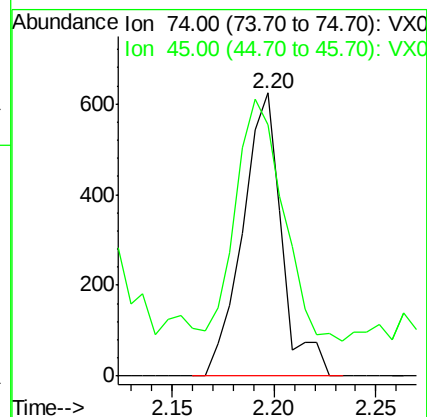
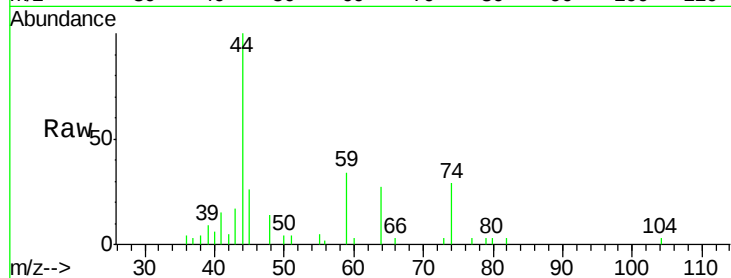
SS043MW010-180418

Tgt Ion: 74 Resp: 834

Ion Ratio Lower Upper

74 100

45 108.4 49.0 147.0



#11

Tert butyl alcohol

Concen: 2.02 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX001068.D

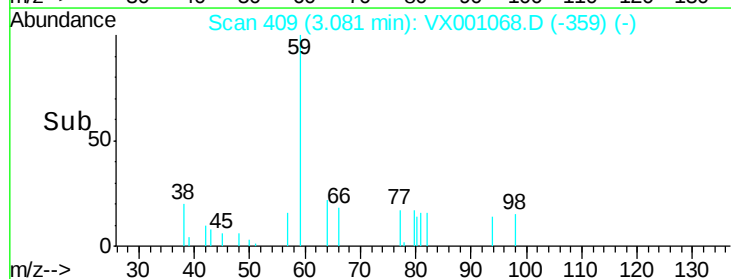
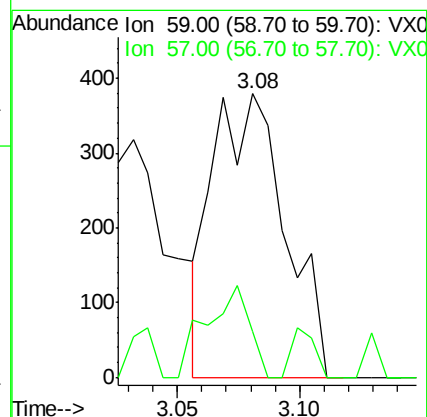
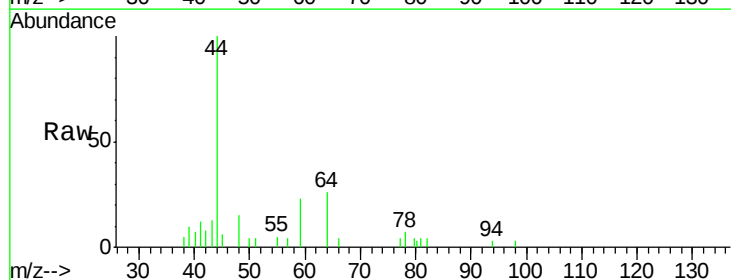
Acq: 23 Apr 2018 19:18

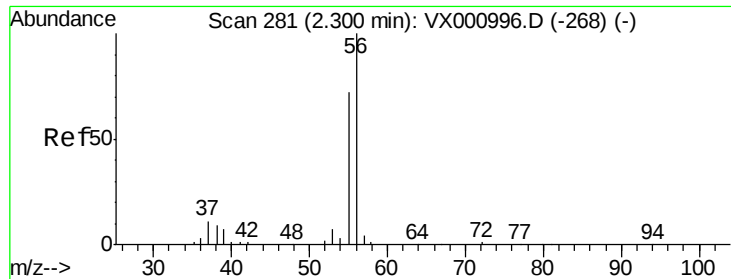
Tgt Ion: 59 Resp: 774

Ion Ratio Lower Upper

59 100

57 19.6 8.3 12.5#





#13

Acrolein

Concen: 11.13 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

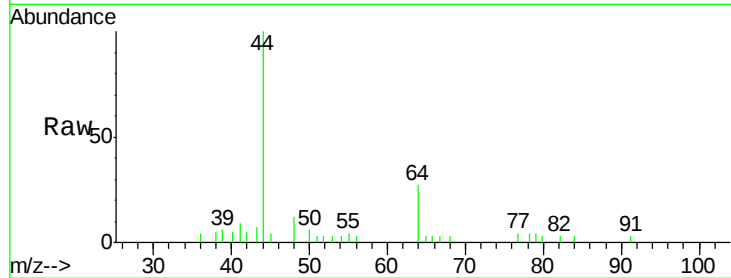
SS043MW010-180418

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

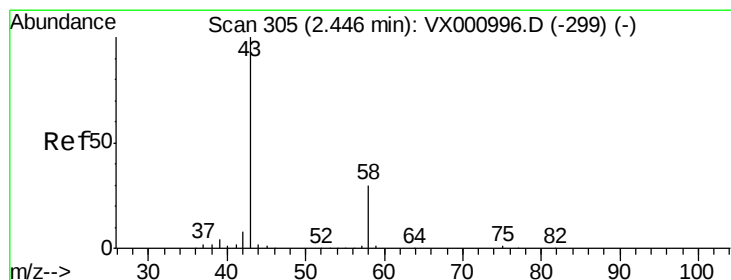
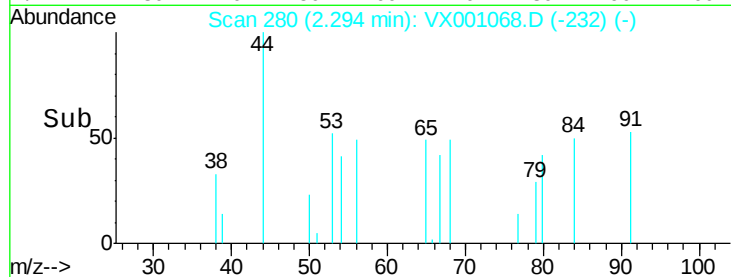
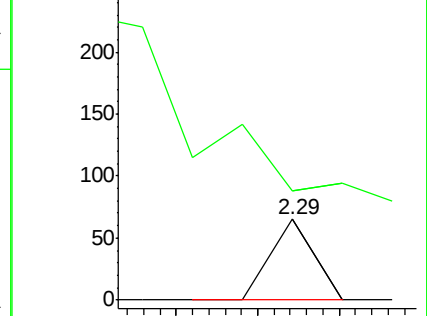
56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.81 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001068.D

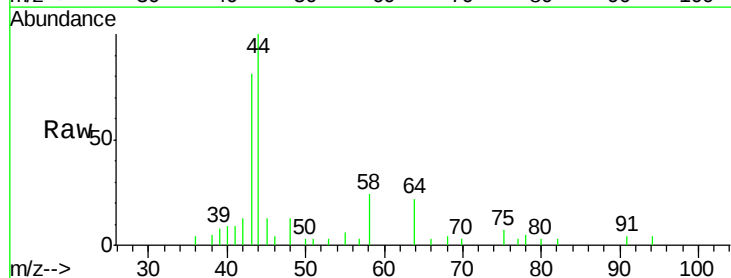
Acq: 23 Apr 2018 19:18

Tgt Ion: 43 Resp: 2689

Ion Ratio Lower Upper

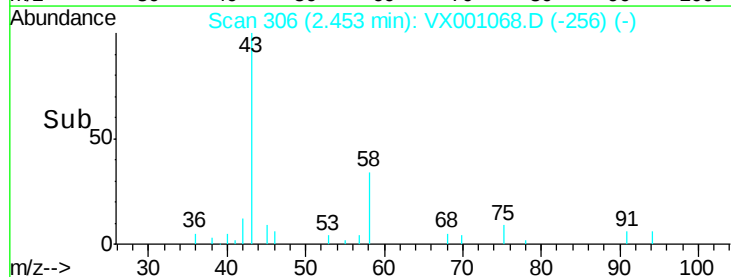
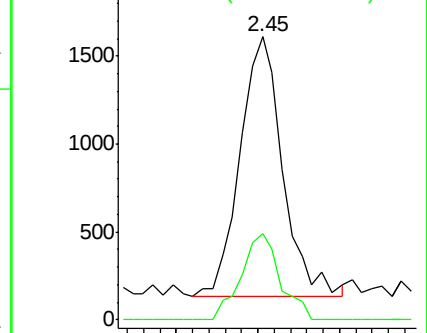
43 100

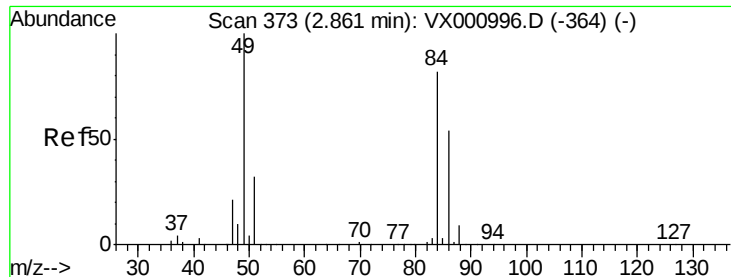
58 33.0 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



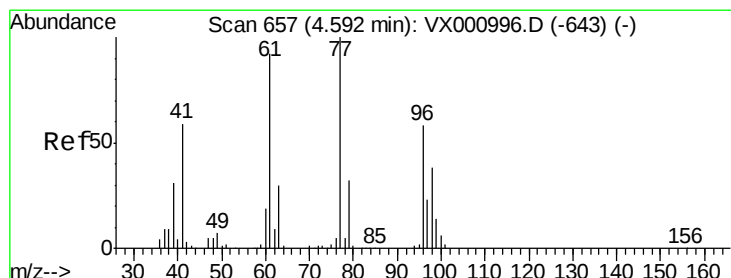
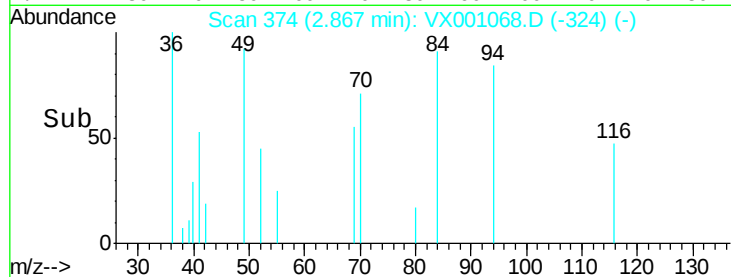
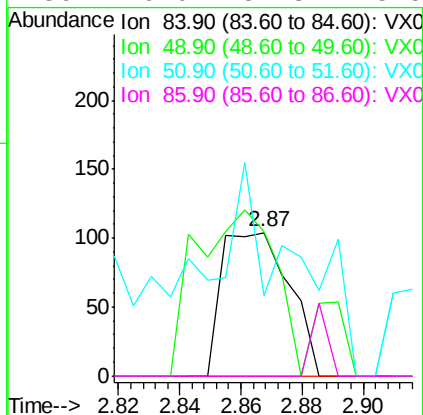
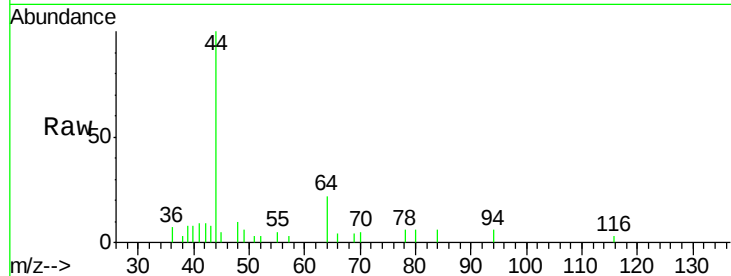


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.87 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VX001068.D
 Acq: 23 Apr 2018 19:18

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 SS043MW010-180418

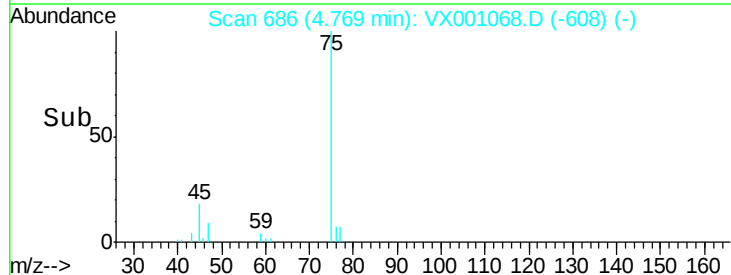
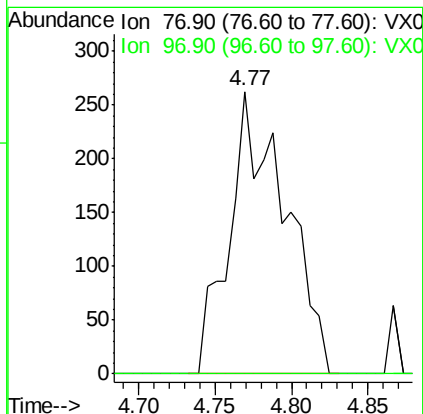
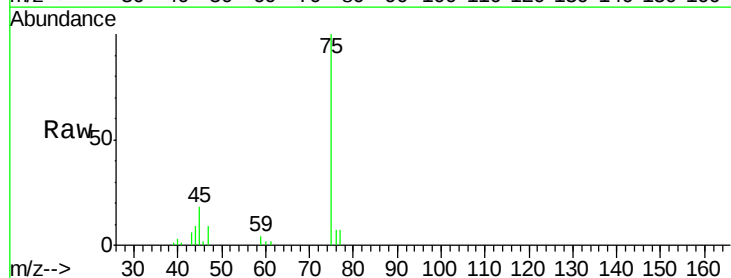
Tgt Ion: 84 Resp: 159
 Ion Ratio Lower Upper
 84 100
 49 49.0 97.1 145.7#
 51 0.0 30.8 46.2#
 86 0.0 52.3 78.5#

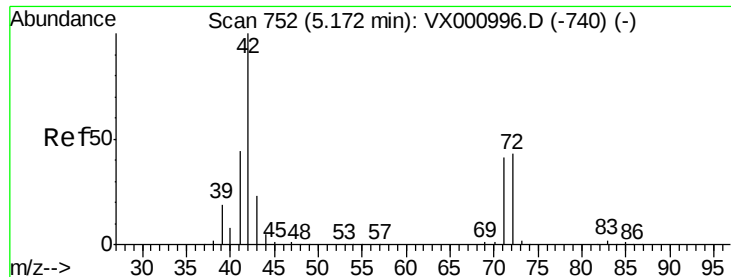


#26

2,2-Dichloropropane
 Concen: 0.20 ug/l
 RT: 4.77 min Scan# 686
 Delta R.T. 0.18 min
 Lab File: VX001068.D
 Acq: 23 Apr 2018 19:18

Tgt Ion: 77 Resp: 670
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#





#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

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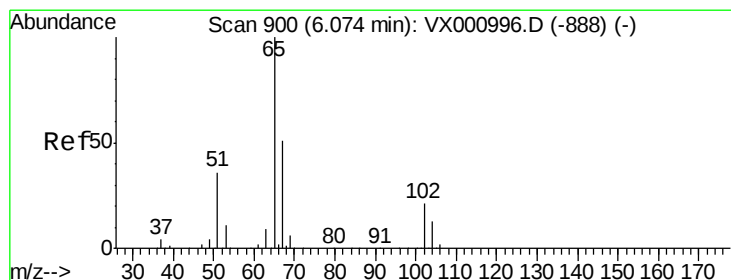
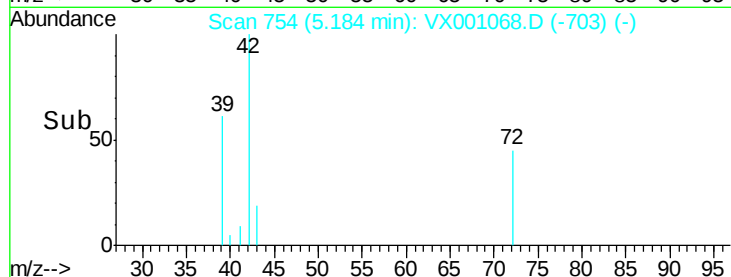
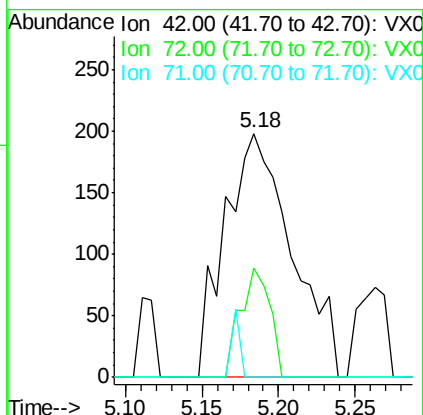
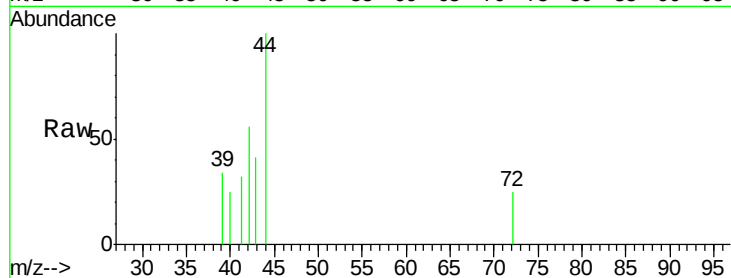
Tgt Ion: 42 Resp: 605

Ion Ratio Lower Upper

42 100

72 19.5 34.6 52.0#

71 3.3 32.6 49.0#



#33

1,2-Dichloroethane-d4

Concen: 51.75 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001068.D

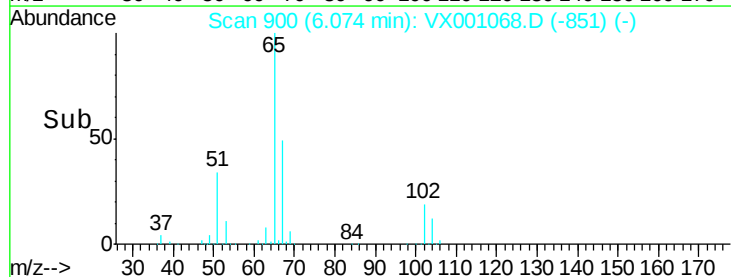
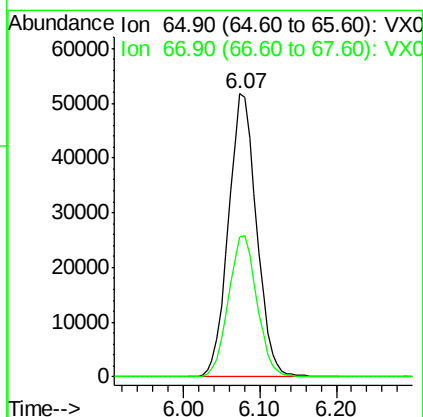
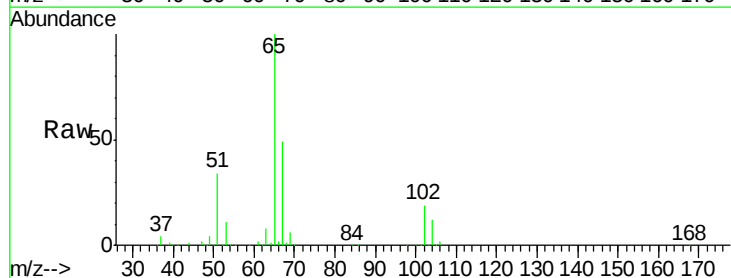
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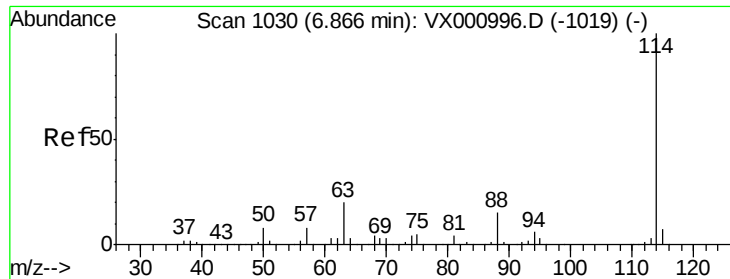
Tgt Ion: 65 Resp: 131696

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

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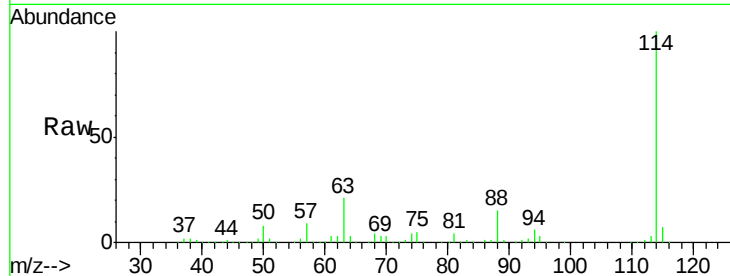
Tgt Ion:114 Resp: 278702

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.4

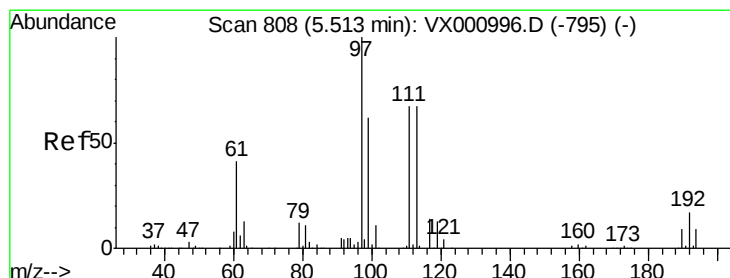
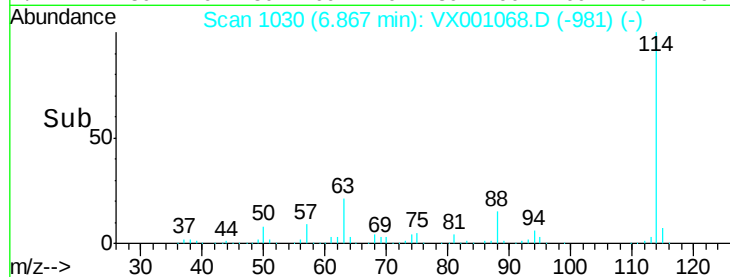
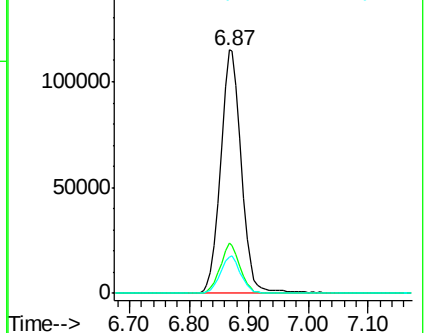
88 14.9 0.0 29.8



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: 47.57 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

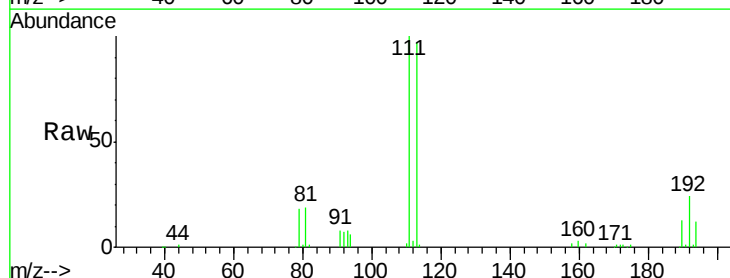
Tgt Ion:113 Resp: 101106

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.2

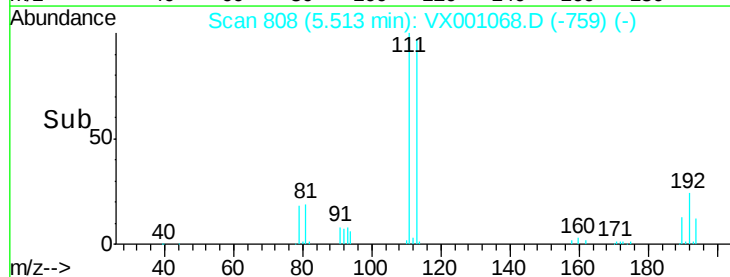
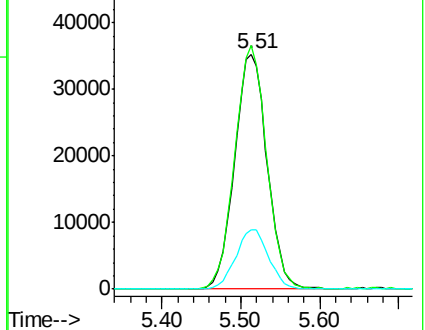
192 25.4 20.4 30.6

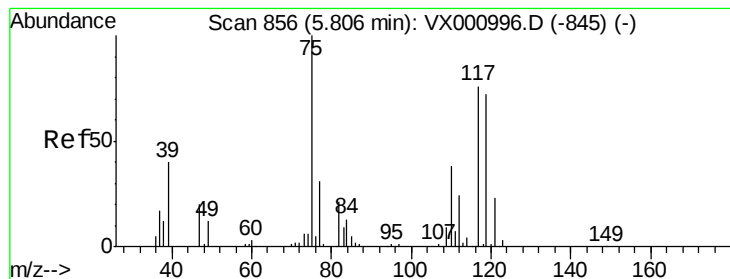


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.90 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-180418

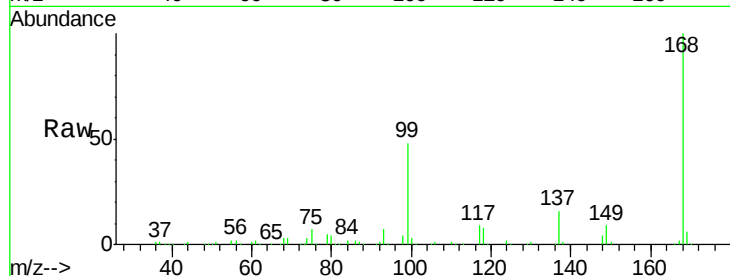
Tgt Ion: 75 Resp: 12757

Ion Ratio Lower Upper

75 100

110 9.9 18.7 56.1#

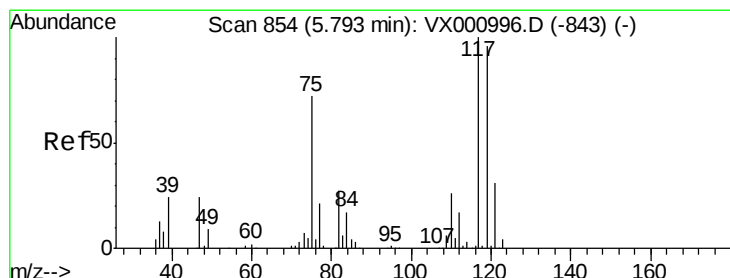
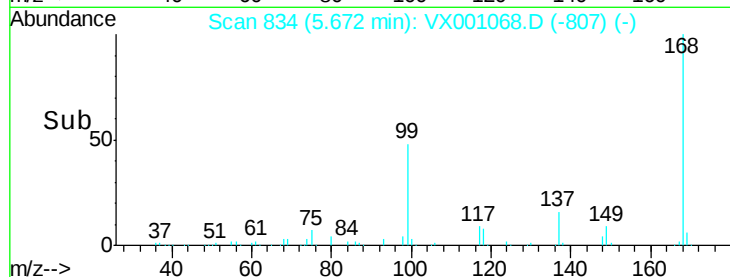
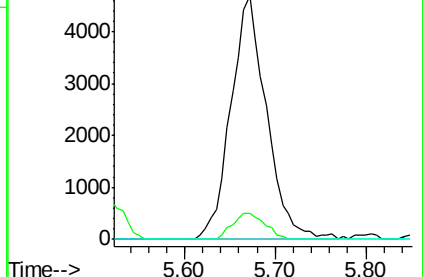
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX000996.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX000996.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX000996.D (-845) (-)



#38

Carbon Tetrachloride

Concen: 5.26 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

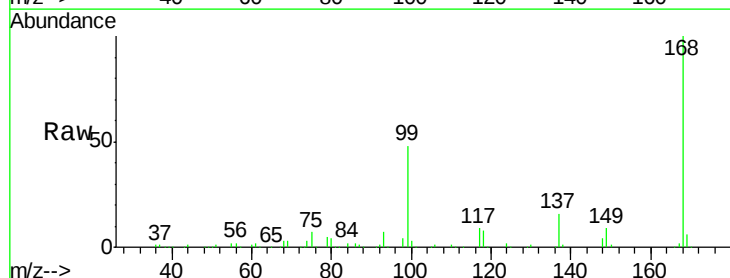
Tgt Ion: 117 Resp: 17456

Ion Ratio Lower Upper

117 100

119 3.2 76.5 114.7#

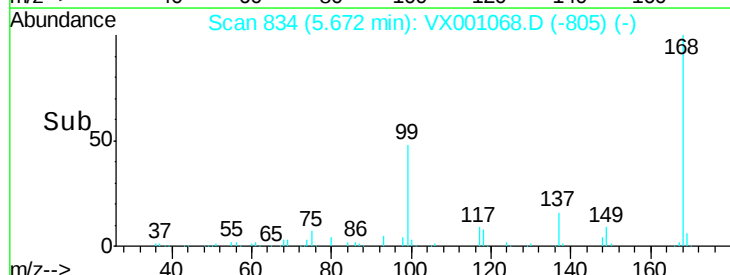
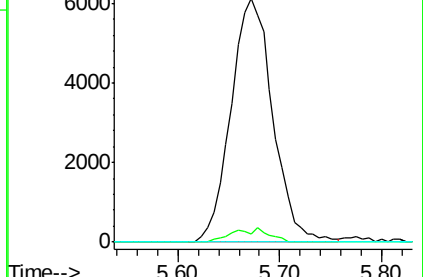
121 0.0 24.5 36.7#

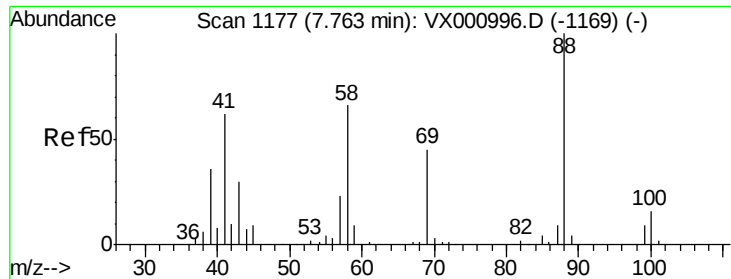


Abundance Ion 116.80 (116.50 to 117.50): VX000996.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000996.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000996.D (-843) (-)

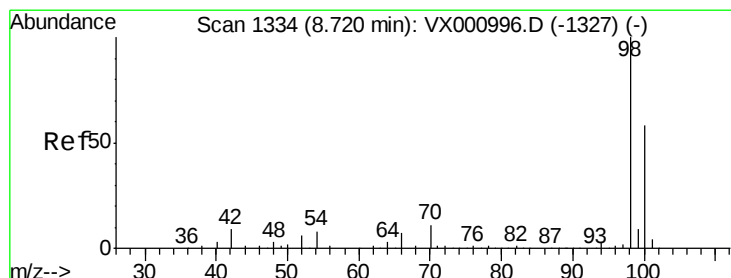
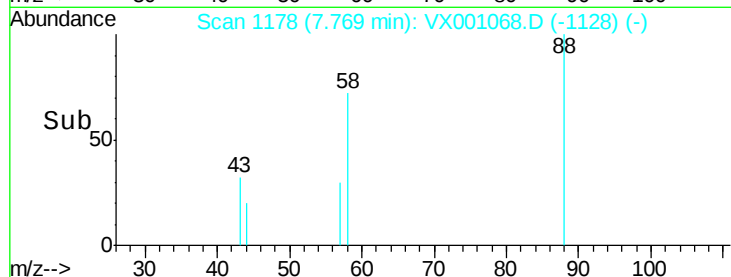
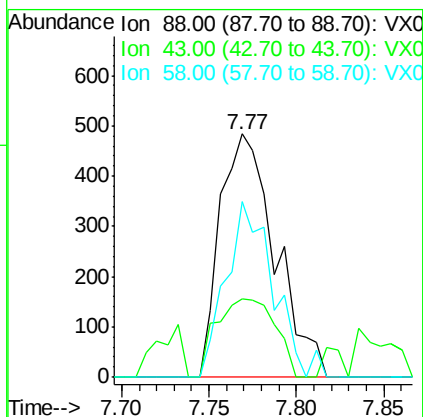
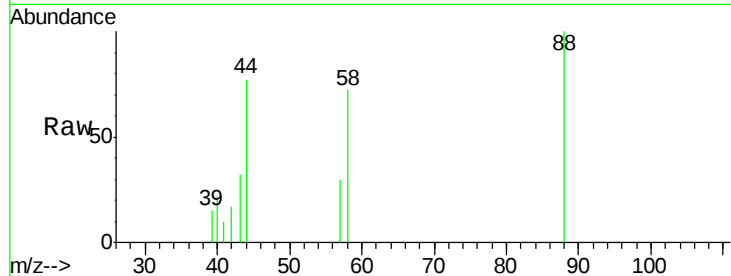




#49
1,4-Dioxane
Concen: 26.10 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001068.D
Acq: 23 Apr 2018 19:18

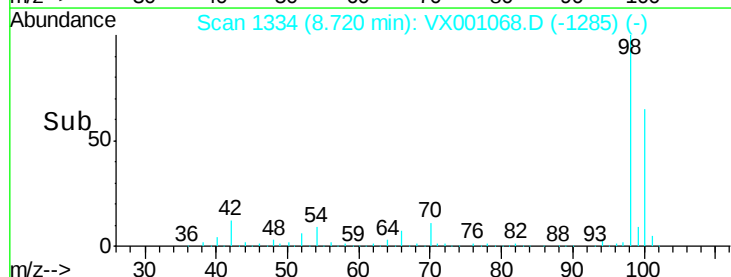
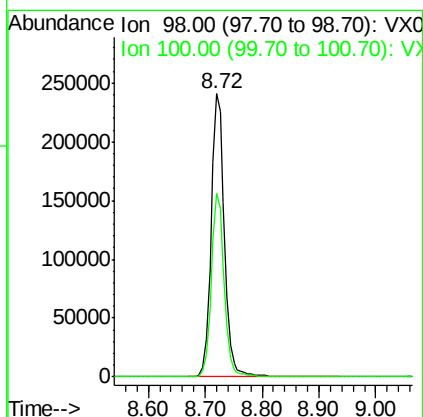
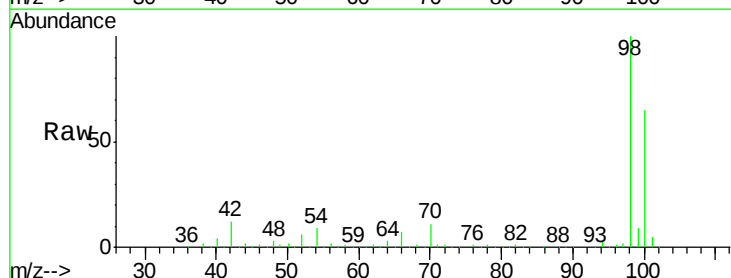
Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-180418

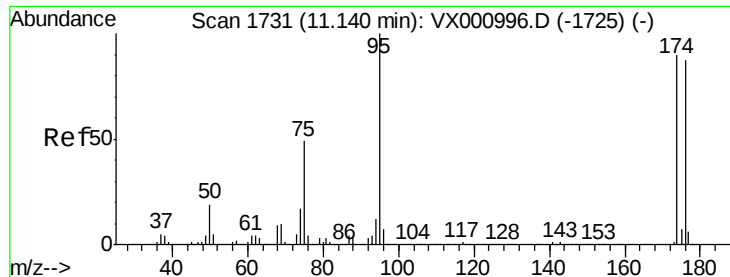
Tgt Ion: 88 Resp: 1065
Ion Ratio Lower Upper
88 100
43 34.2 29.2 43.8
58 61.9 55.0 82.6



#50
Toluene-d8
Concen: 49.67 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001068.D
Acq: 23 Apr 2018 19:18

Tgt Ion: 98 Resp: 390319
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 42.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-180418

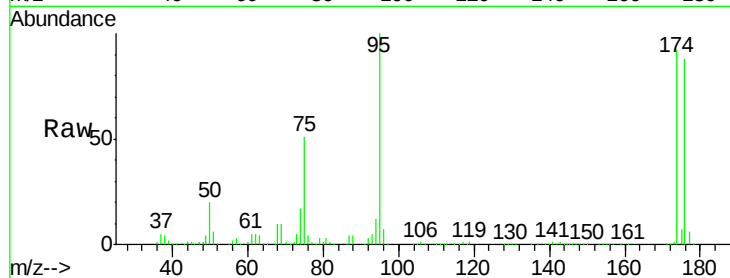
Tgt Ion: 95 Resp: 139201

Ion Ratio Lower Upper

95 100

174 97.9 0.0 198.4

176 95.2 0.0 192.0

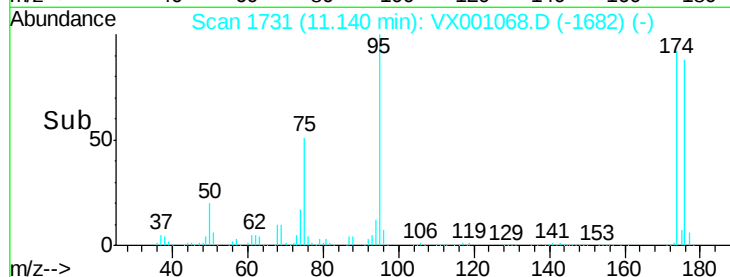


Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)

Time-->



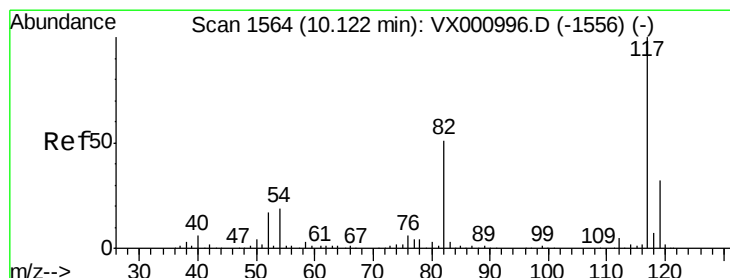
Abundance

Ion 94.90 (94.60 to 95.60): VX001068.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001068.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001068.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

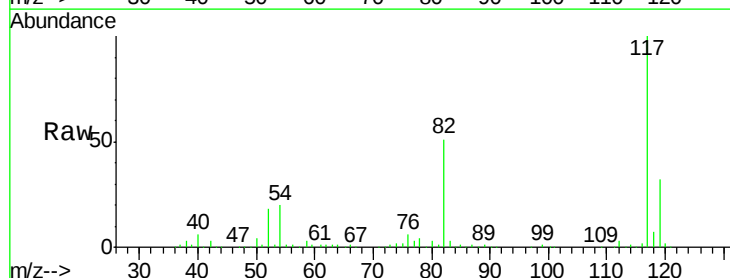
Tgt Ion: 117 Resp: 251531

Ion Ratio Lower Upper

117 100

82 50.9 40.6 60.8

119 31.7 26.0 39.0

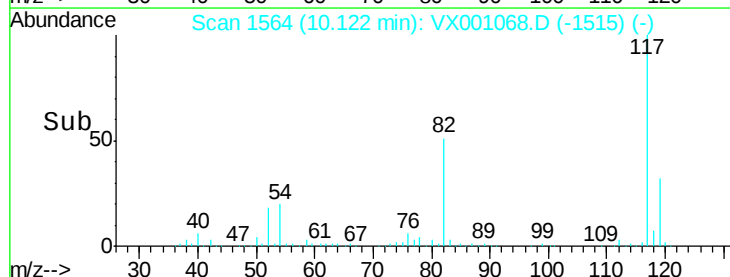


Abundance Ion 116.90 (116.60 to 117.60): VX000996.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000996.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000996.D (-1556) (-)

Time-->



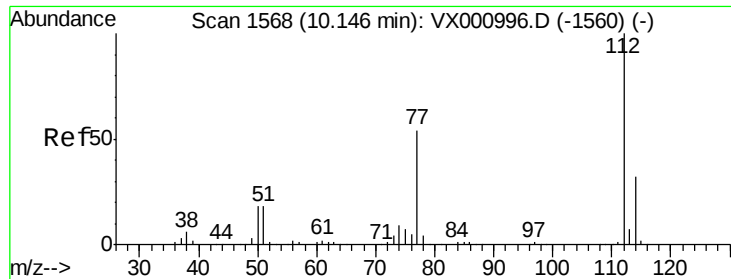
Abundance

Ion 116.90 (116.60 to 117.60): VX001068.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001068.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001068.D (-1515) (-)

Time-->



#65

Chlorobenzene

Concen: 21.77 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

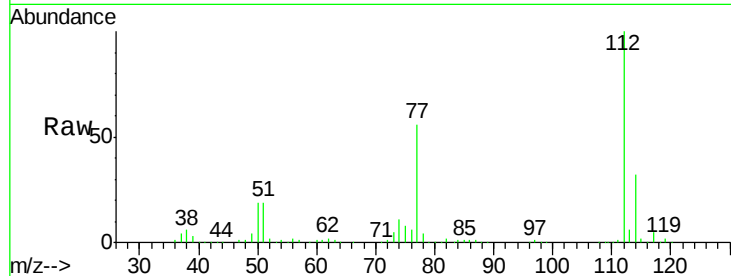
SS043MW010-180418

Tgt Ion:112 Resp: 145809

Ion Ratio Lower Upper

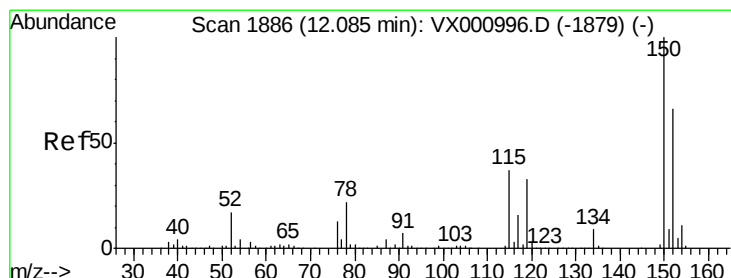
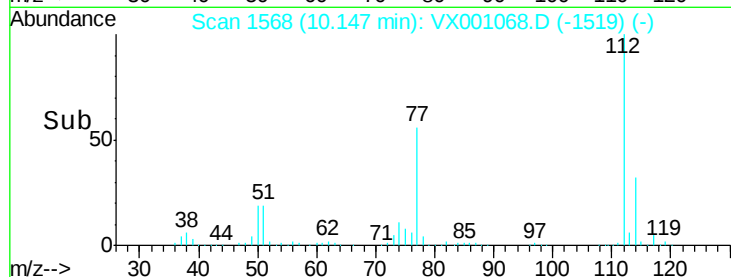
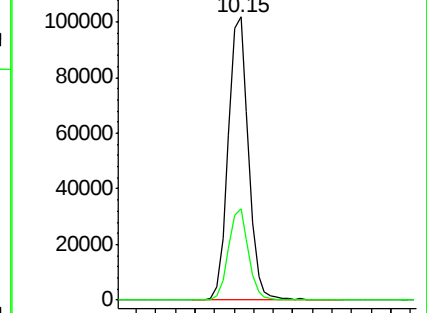
112 100

114 32.4 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

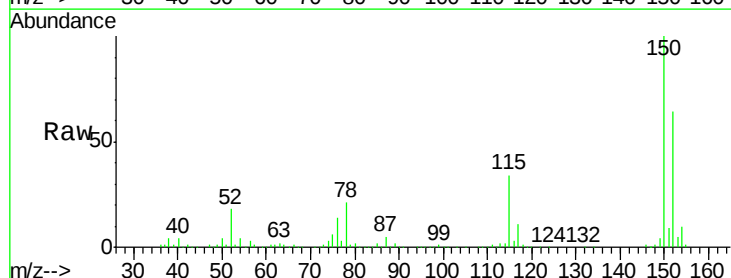
Tgt Ion:152 Resp: 146698

Ion Ratio Lower Upper

152 100

115 54.0 38.2 114.6

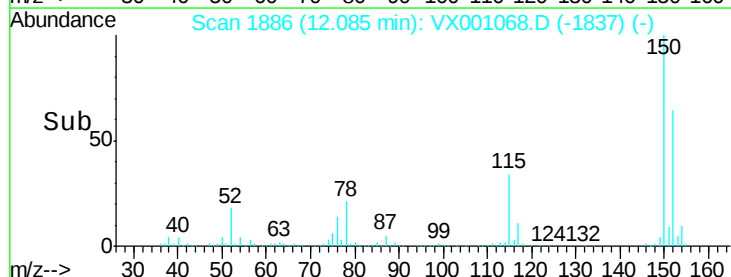
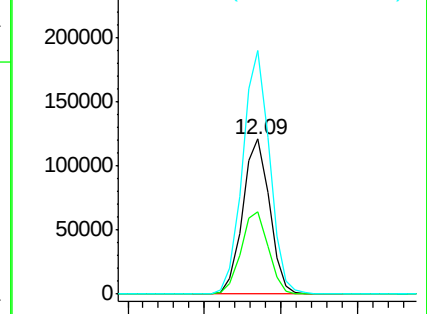
150 157.5 0.0 350.4

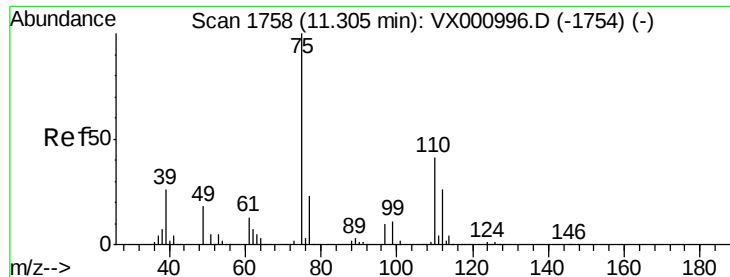


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

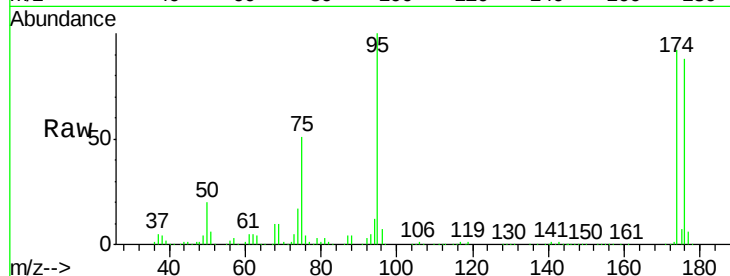
SS043MW010-180418

Tgt Ion: 75 Resp: 69901

Ion Ratio Lower Upper

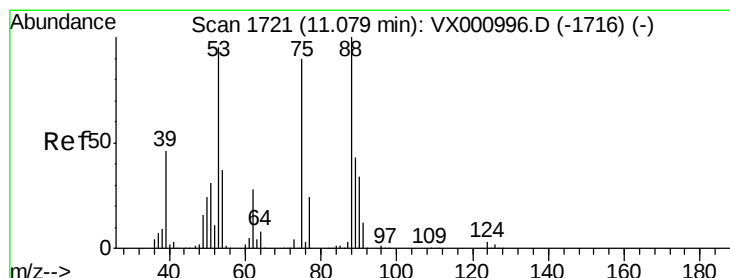
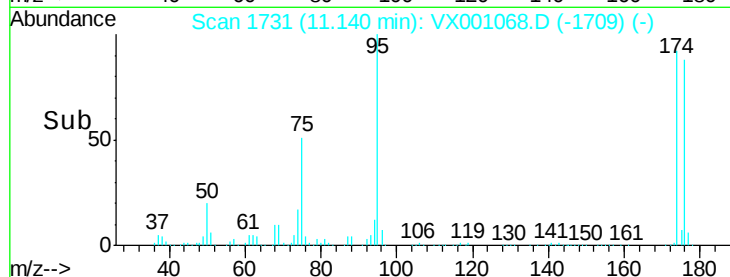
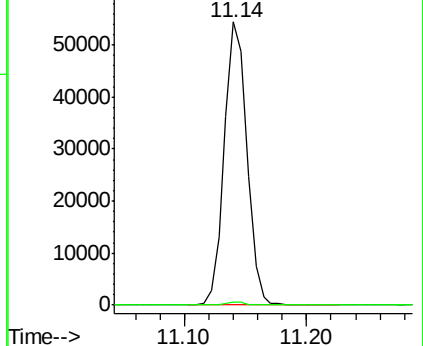
75 100

77 1.2 19.6 58.7#



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: 82.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

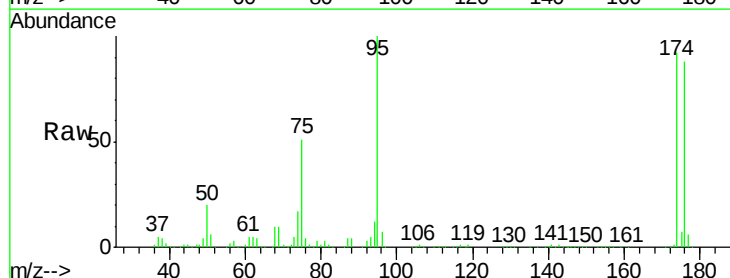
Tgt Ion: 75 Resp: 69901

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

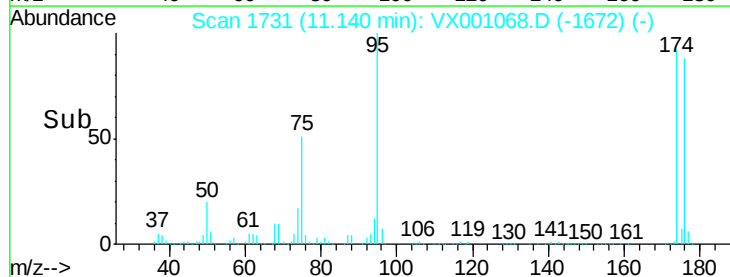
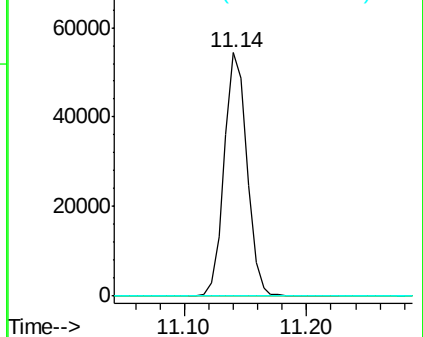
89 0.0 39.7 59.5#

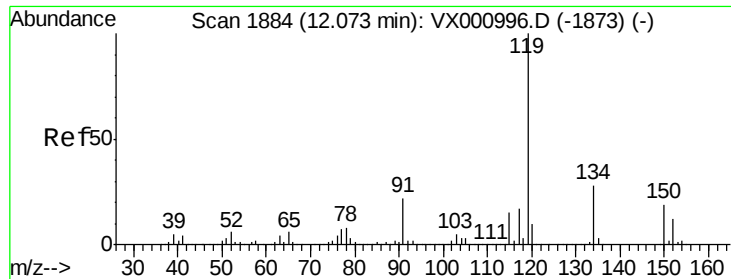


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

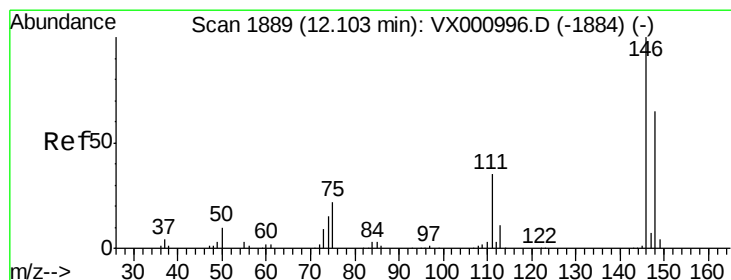
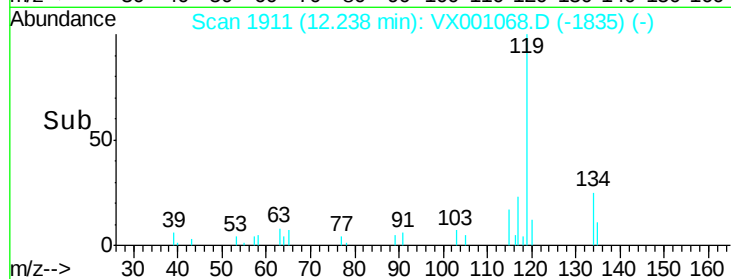
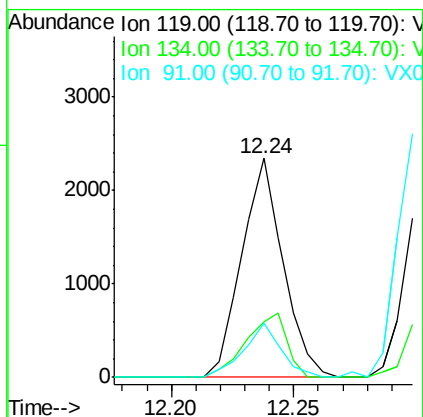
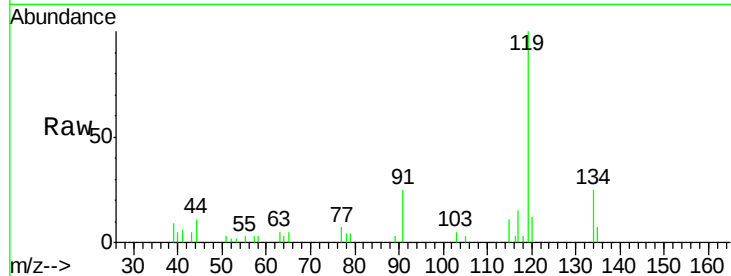




#86
p-Isopropyltoluene
Concen: 0.30 ug/l
RT: 12.24 min Scan# 1911
Delta R.T. 0.16 min
Lab File: VX001068.D
Acq: 23 Apr 2018 19:18

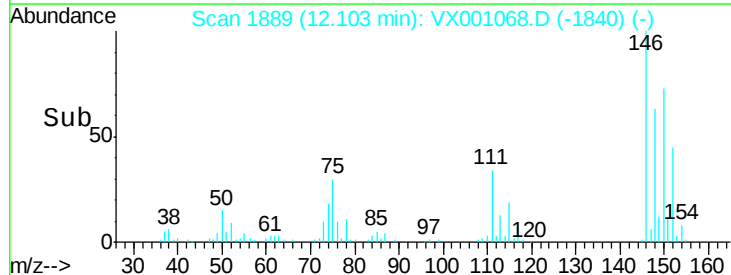
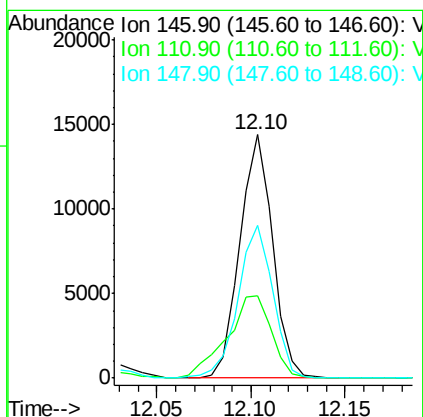
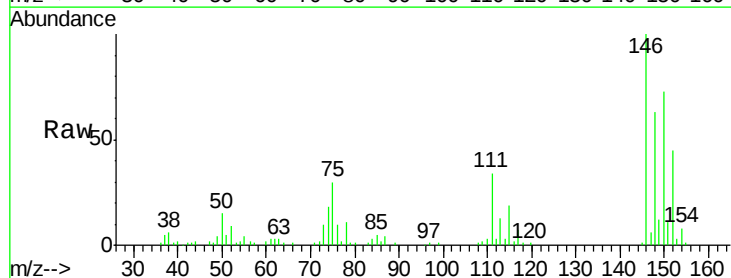
Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-180418

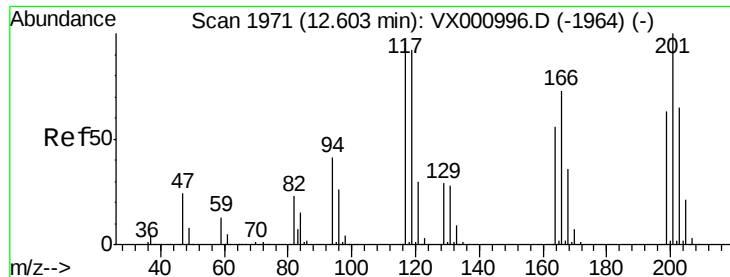
Tgt Ion:119 Resp: 2756
Ion Ratio Lower Upper
119 100
134 29.1 13.5 40.5
91 22.8 11.4 34.1



#88
1,4-Dichlorobenzene
Concen: 3.25 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VX001068.D
Acq: 23 Apr 2018 19:18

Tgt Ion:146 Resp: 17370
Ion Ratio Lower Upper
146 100
111 46.2 18.0 54.0
148 66.7 32.4 97.0





#90

Hexachloroethane

Concen: 0.96 ug/l

RT: 12.71 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

Instrument :

MSVOA_X

ClientSampleId :

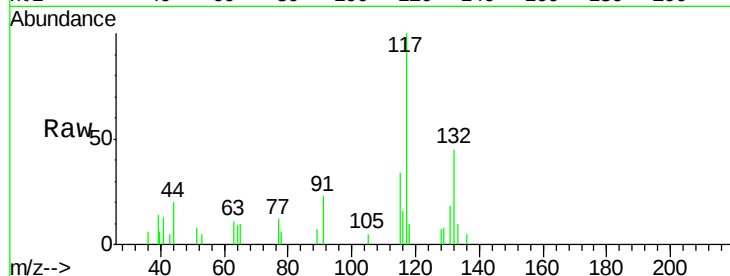
SS043MW010-180418

Tgt Ion:117 Resp: 1235

Ion Ratio Lower Upper

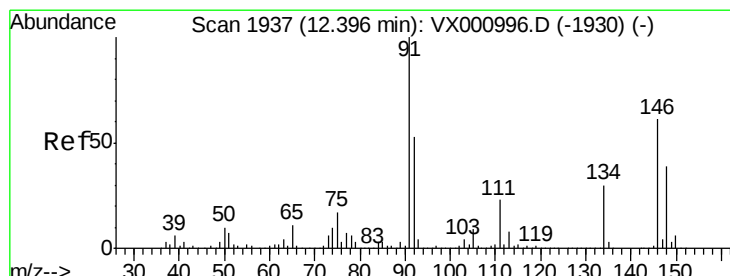
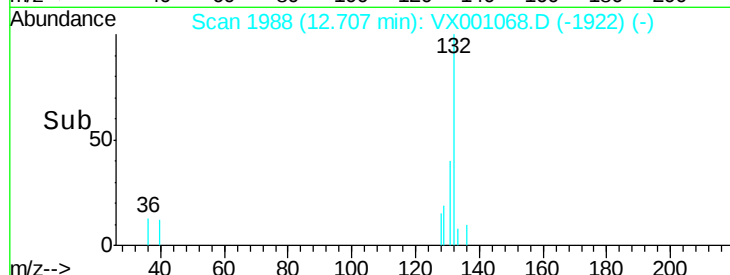
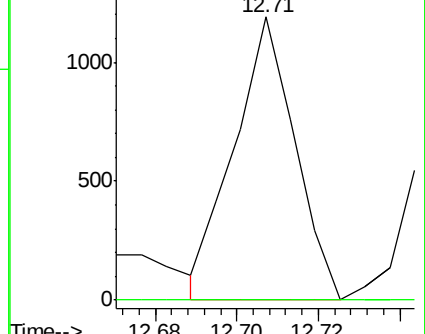
117 100

201 0.0 52.3 157.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.58 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001068.D

Acq: 23 Apr 2018 19:18

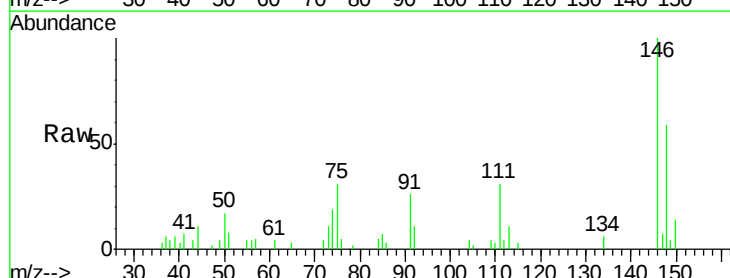
Tgt Ion:146 Resp: 2926

Ion Ratio Lower Upper

146 100

111 35.5 18.6 56.0

148 61.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

