

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002659.D
 Acq On : 16 Jun 2018 20:45
 Operator : JC/MD
 Sample : J3467-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-03-061218

Quant Time: Jun 18 01:40:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	307067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155633	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	143763	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	
35) Dibromofluoromethane	5.51	113	113750	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
50) Toluene-d8	8.72	98	437090	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.14	95	148302	42.06	ug/l	0.00
Spiked Amount			Recovery	=	84.12%	

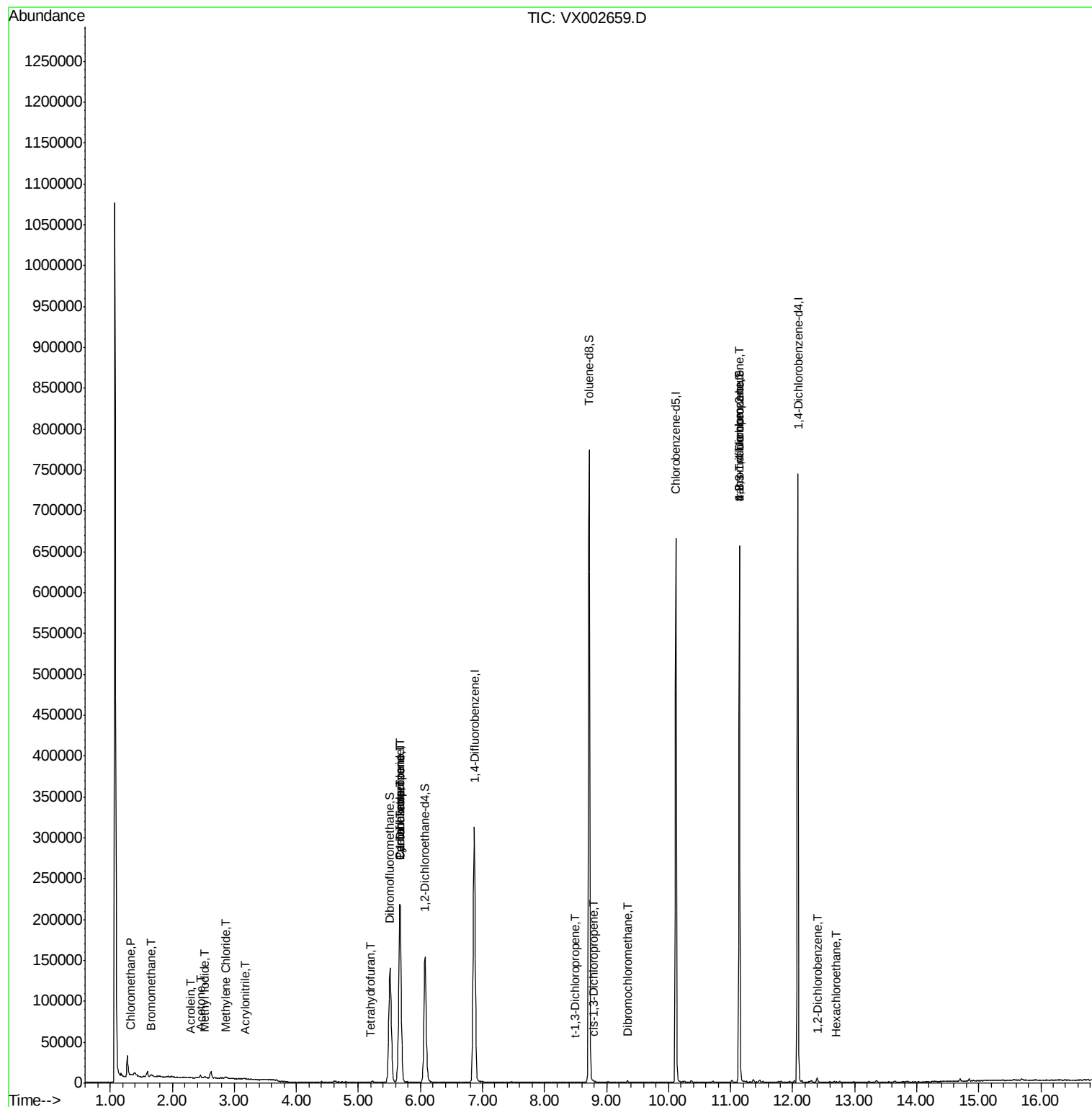
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	586	0.215	ug/l #	77
5) Bromomethane	1.65	94	1747	1.023	ug/l #	70
10) Methyl Iodide	2.52	142	1860	5.662	ug/l #	91
13) Acrolein	2.29	56	77	7.099	ug/l #	14
15) Acrylonitrile	3.16	53	356	0.241	ug/l #	87
16) Acetone	2.45	43	4085	2.822	ug/l	95
20) Methylene Chloride	2.87	84	600	0.202	ug/l #	70
29) Tetrahydrofuran	5.18	42	399	0.320	ug/l #	70
31) Cyclohexane	5.67	56	5039	1.301	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	15196	4.660	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20258	6.238	ug/l #	16
53) t-1,3-Dichloropropene	8.49	75	46	2.404	ug/l #	43
54) cis-1,3-Dichloropropene	8.78	75	19	3.217	ug/l #	32
60) Dibromochloromethane	9.34	129	137	3.805	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	79688	27.134	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	79688	83.743	ug/l #	7
90) Hexachloroethane	12.69	117	82	2.677	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	1248	0.233	ug/l	91

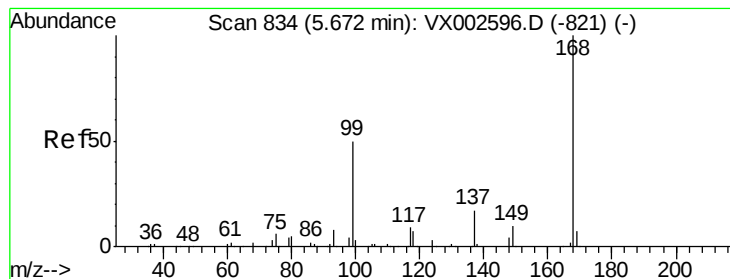
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

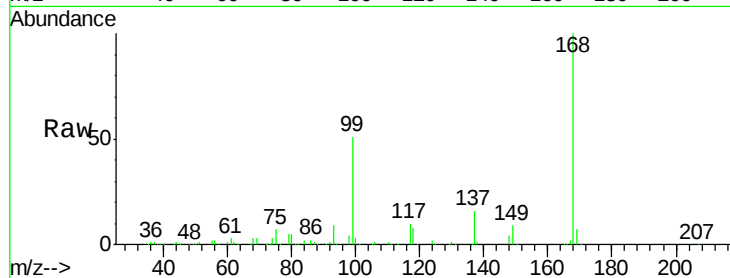
PR-MW-03-061218

Tot Ion:168 Resp: 215878

Ion Ratio Lower Upper

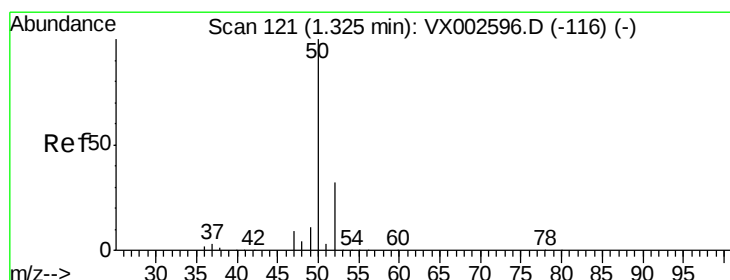
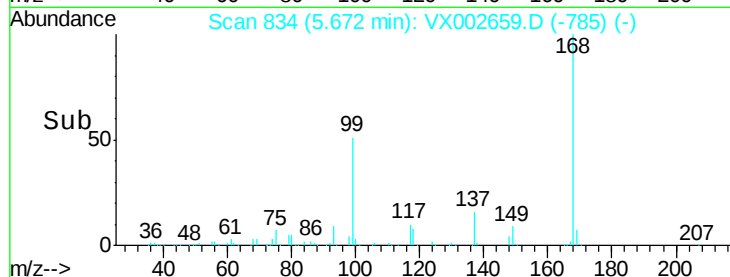
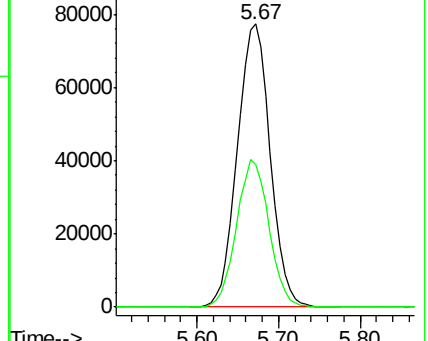
168 100

99 50.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002659.D

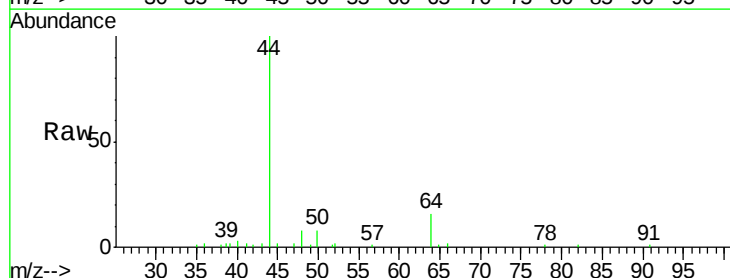
Acq: 16 Jun 2018 20:45

Tgt Ion: 50 Resp: 586

Ion Ratio Lower Upper

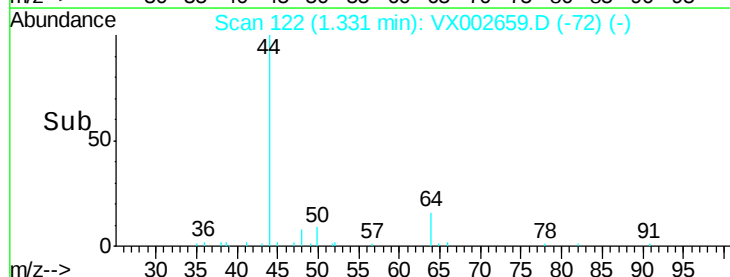
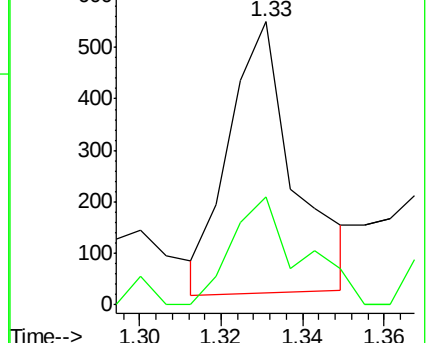
50 100

52 45.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.023 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

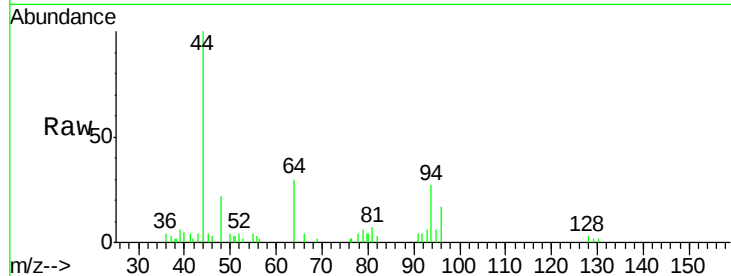
PR-MW-03-061218

Tot Ion: 94 Resp: 1747

Ion Ratio Lower Upper

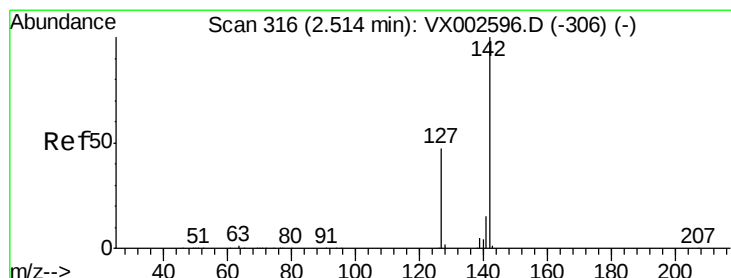
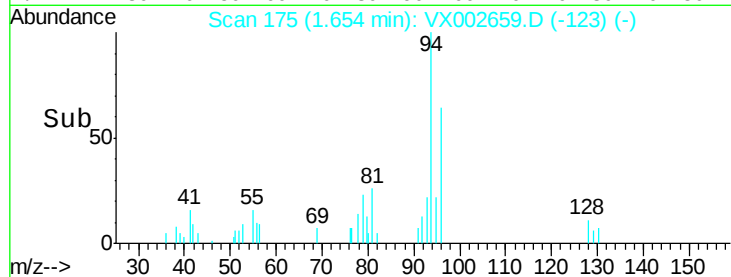
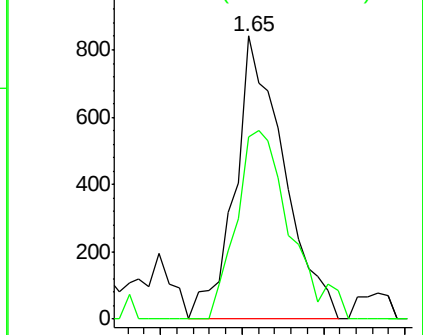
94 100

96 64.3 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.662 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

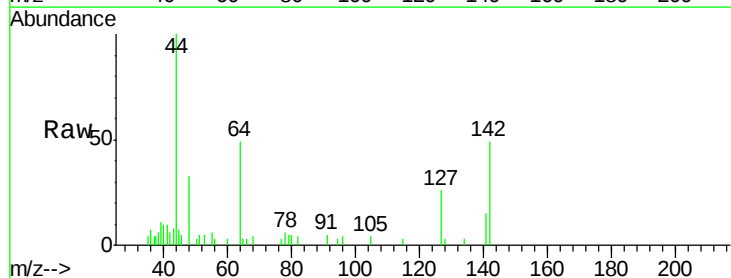
Tgt Ion: 142 Resp: 1860

Ion Ratio Lower Upper

142 100

127 50.9 36.6 55.0

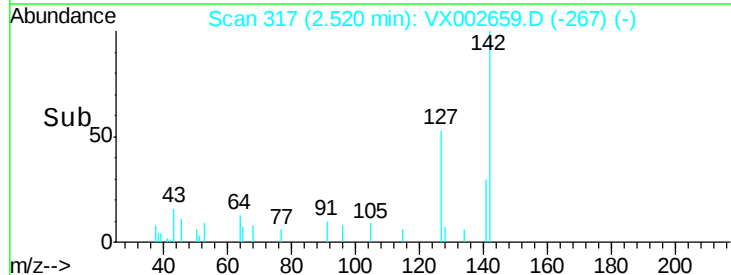
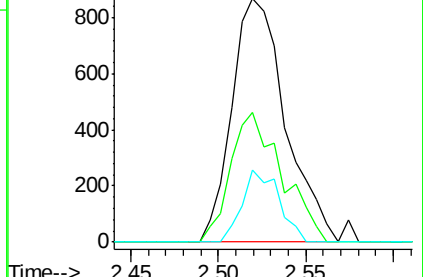
141 20.2 11.3 16.9#

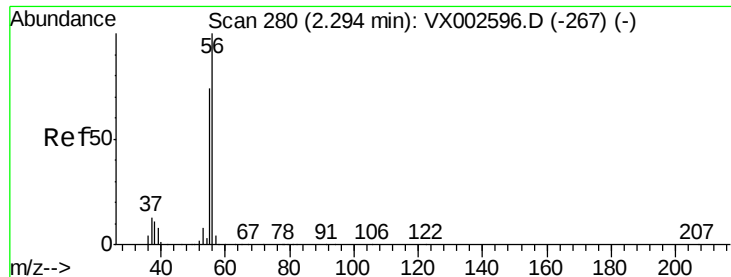


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

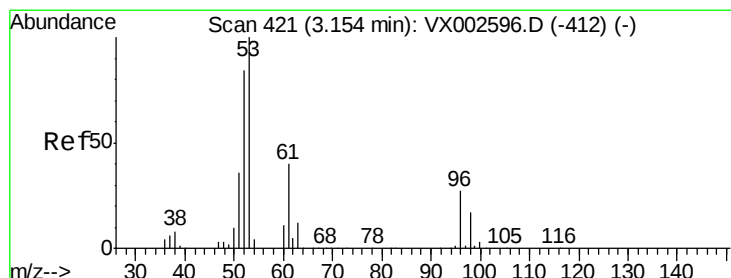
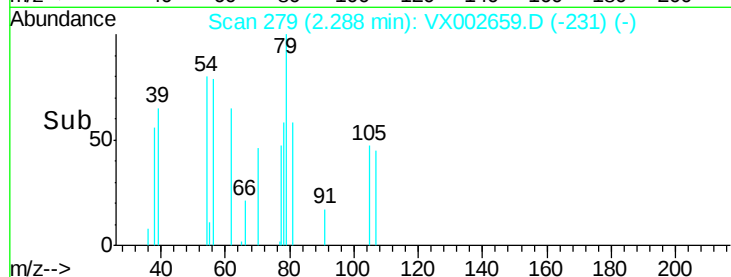
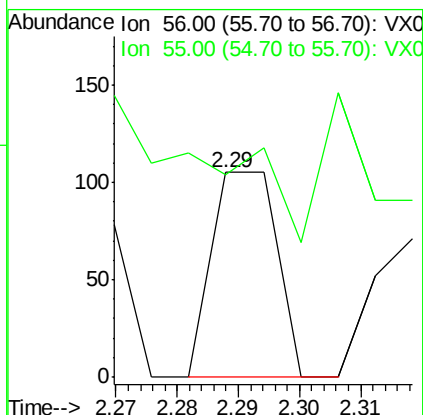
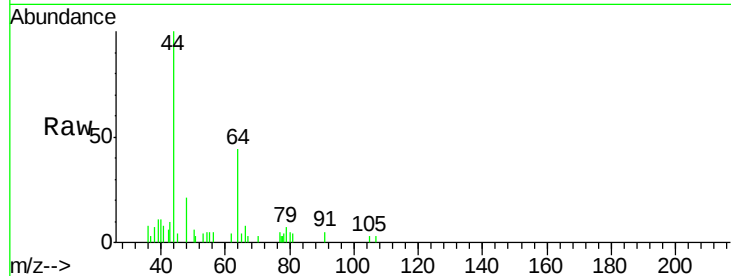




#13
Acrolein
Concen: 7.099 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

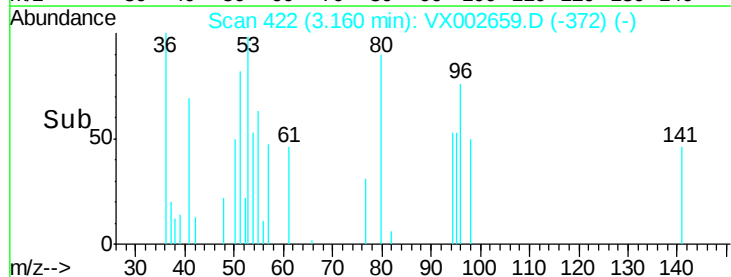
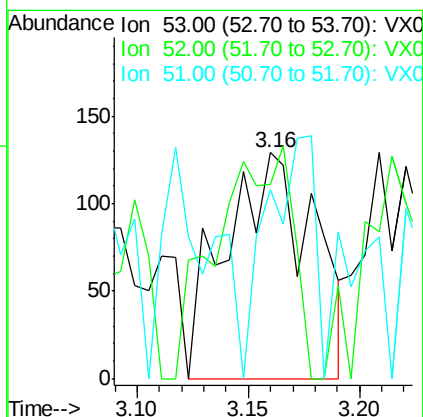
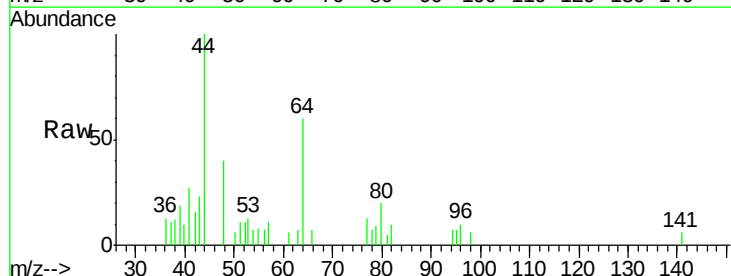
Instrument :
MSVOA_X
ClientSampled :
PR-MW-03-061218

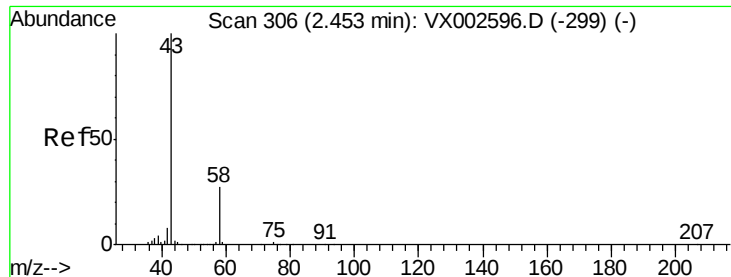
Tot Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#15
Acrylonitrile
Concen: 0.241 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.01 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

Tgt Ion: 53 Resp: 356
Ion Ratio Lower Upper
53 100
52 87.9 66.7 100.1
51 56.7 29.9 44.9#





#16

Acetone

Concen: 2.822 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

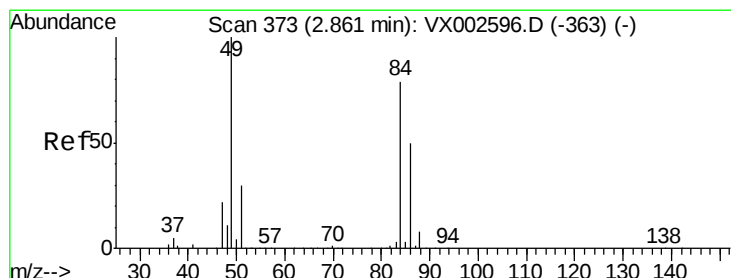
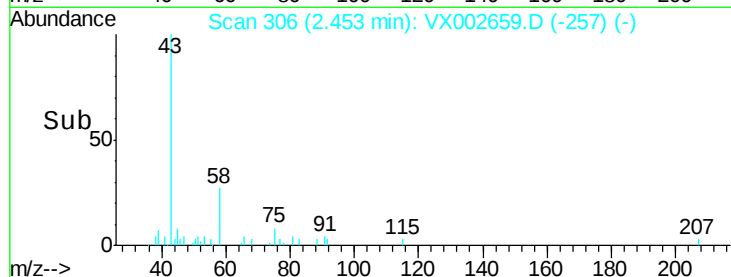
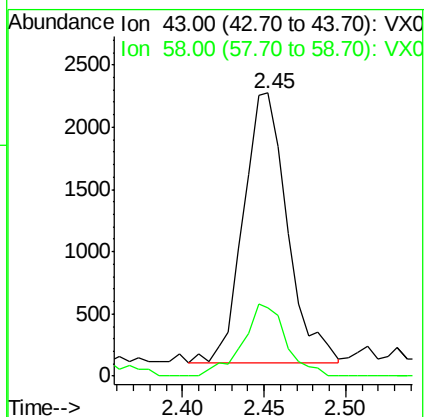
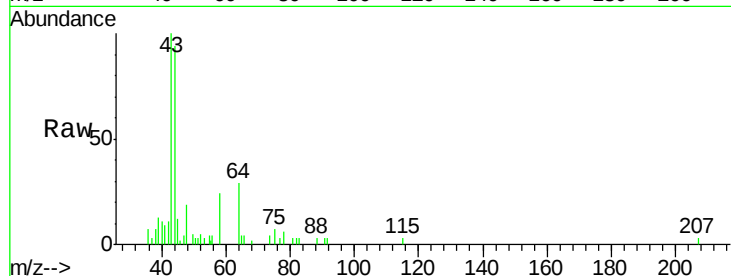
PR-MW-03-061218

Tot Ion: 43 Resp: 4085

Ion Ratio Lower Upper

43 100

58 25.2 22.1 33.1



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Tgt Ion: 84 Resp: 600

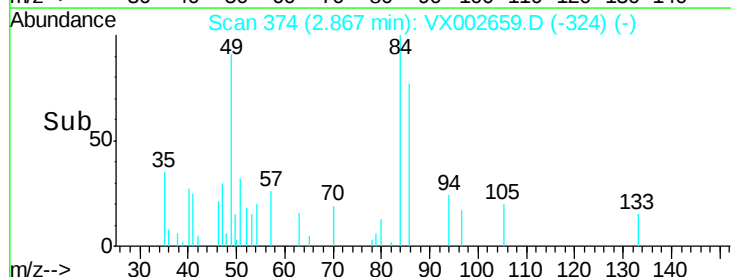
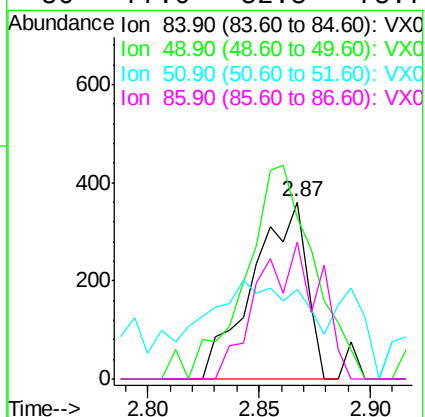
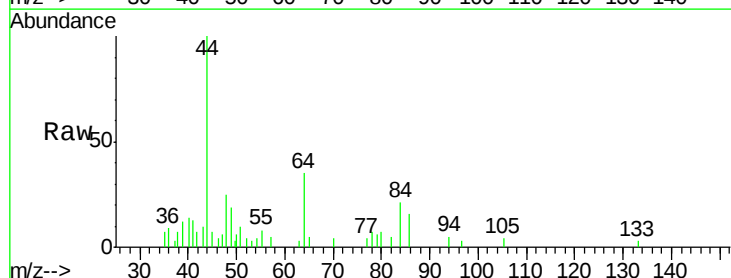
Ion Ratio Lower Upper

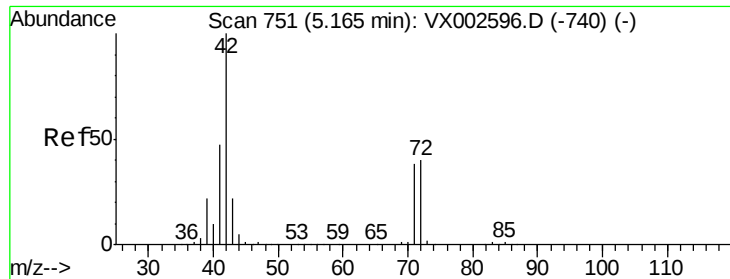
84 100

49 91.1 107.8 161.6#

51 20.8 32.8 49.2#

86 77.0 52.5 78.7

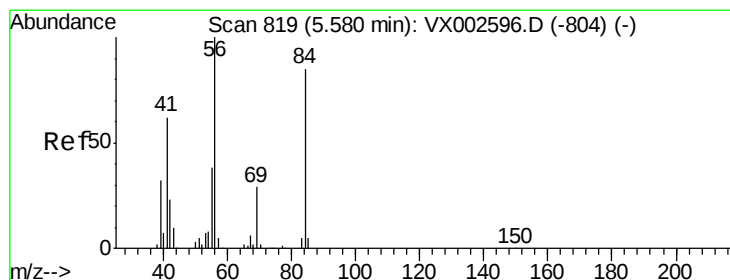
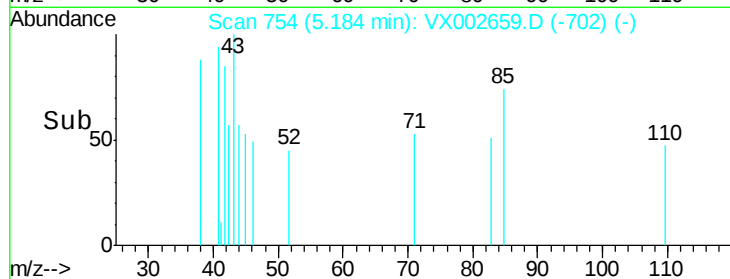
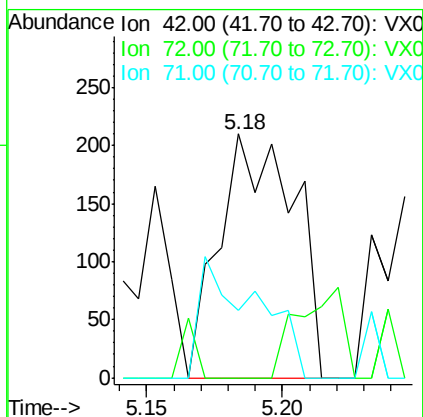
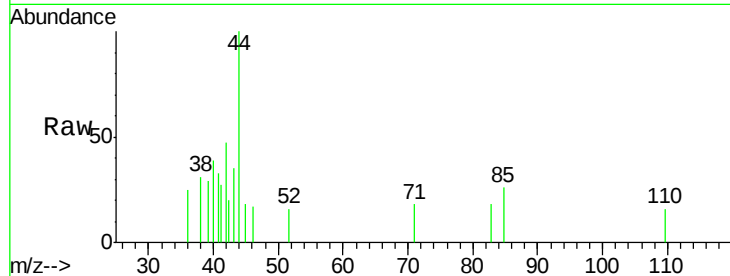




#29
Tetrahydrofuran
Concen: 0.320 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.02 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

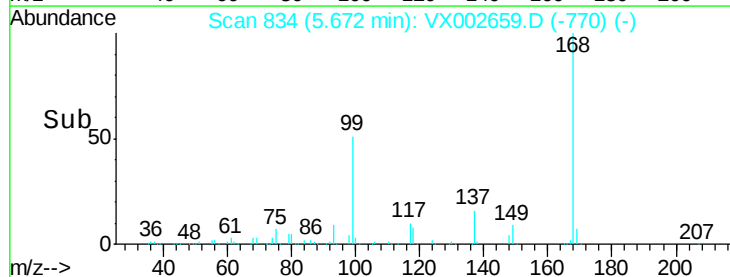
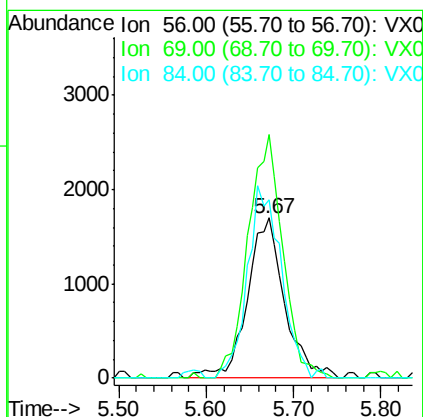
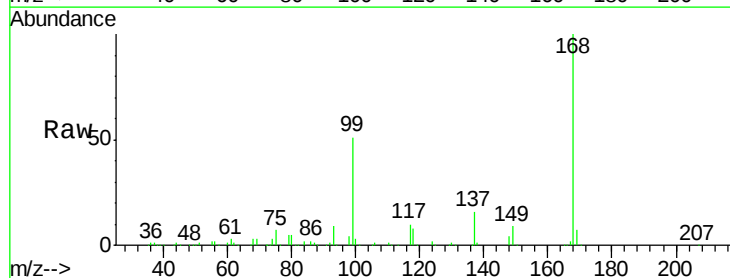
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-03-061218

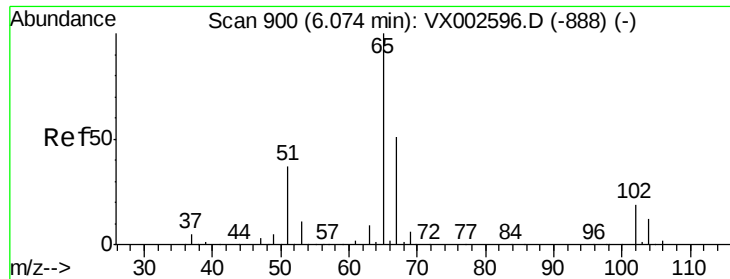
Tot Ion: 42 Resp: 399
Ion Ratio Lower Upper
42 100
72 4.8 32.0 48.0#
71 38.3 30.1 45.1



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

Tgt Ion: 56 Resp: 5039
Ion Ratio Lower Upper
56 100
69 151.9 23.7 35.5#
84 110.9 64.1 96.1#

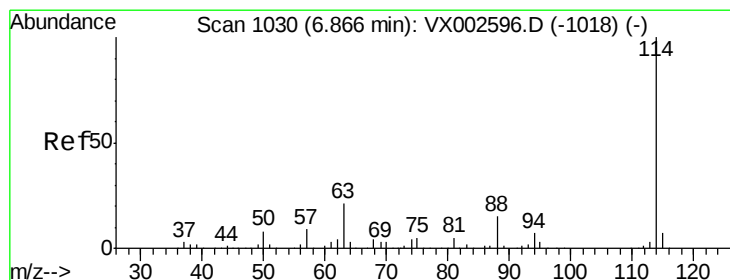
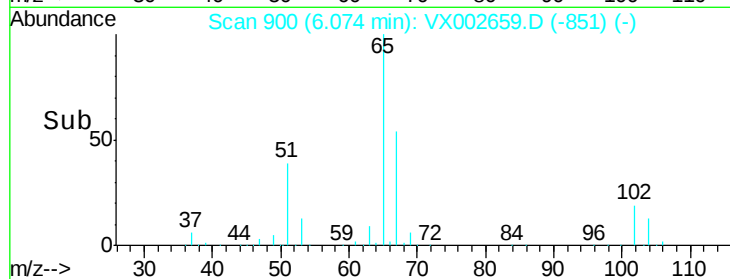
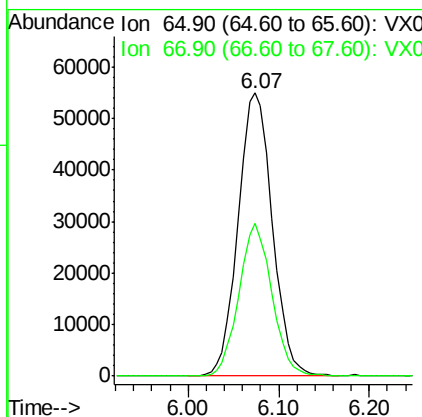
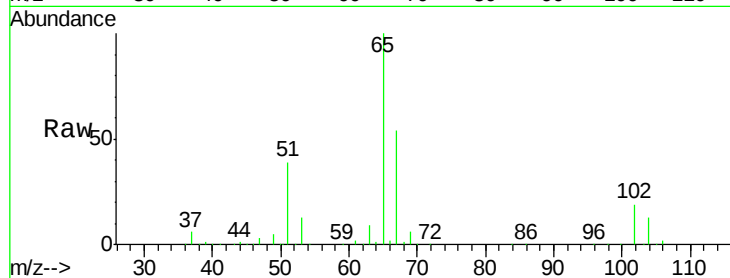




#33
 1,2-Dichloroethane-d4
 Concen: 43.823 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002659.D
 Acq: 16 Jun 2018 20:45

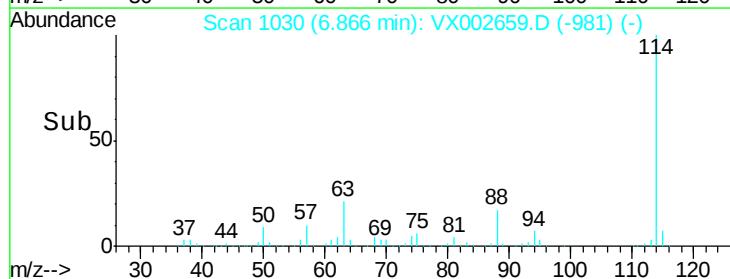
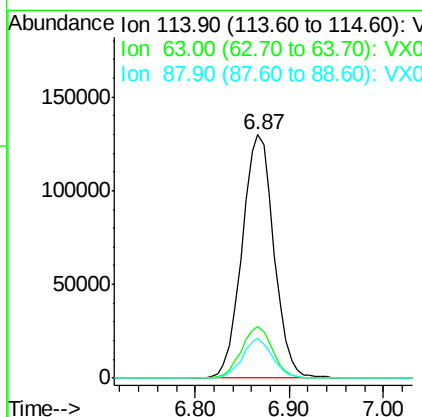
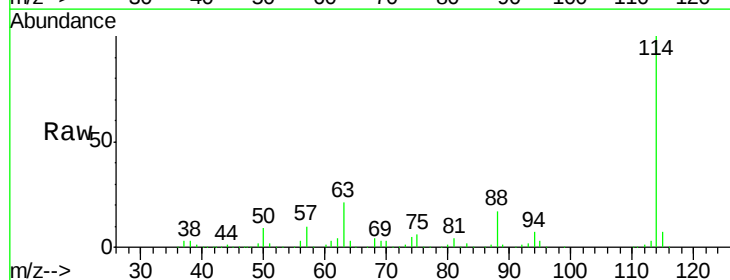
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 PR-MW-03-061218

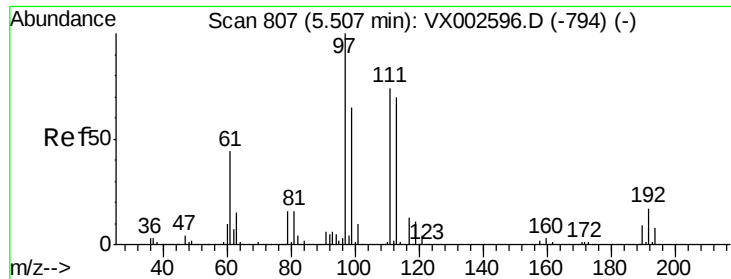
Tot Ion: 65 Resp: 143763
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002659.D
 Acq: 16 Jun 2018 20:45

Tgt Ion: 114 Resp: 307067
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.4
 88 16.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.415 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-03-061218

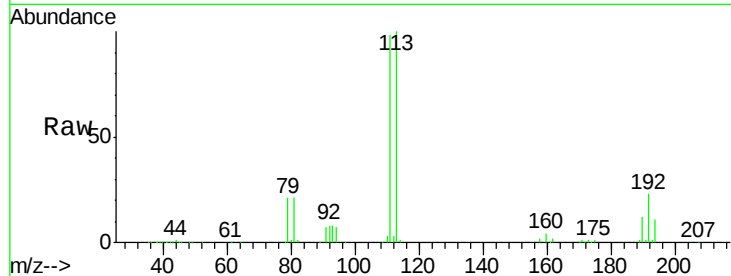
Tot Ion:113 Resp: 113750

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

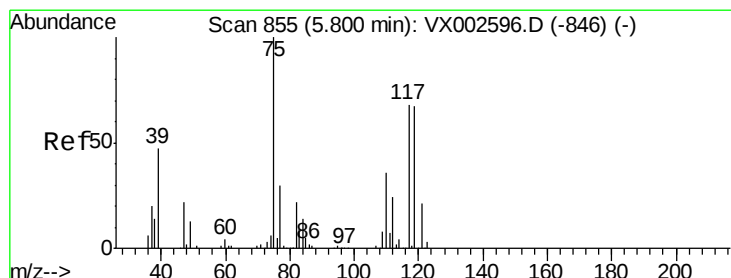
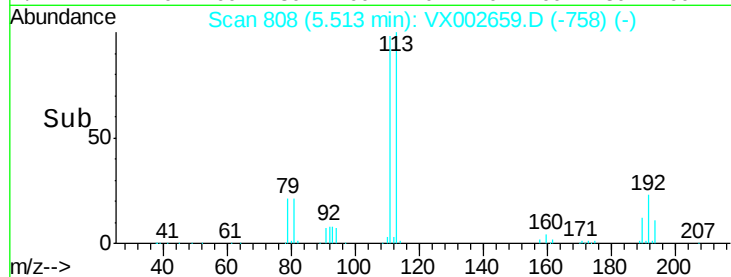
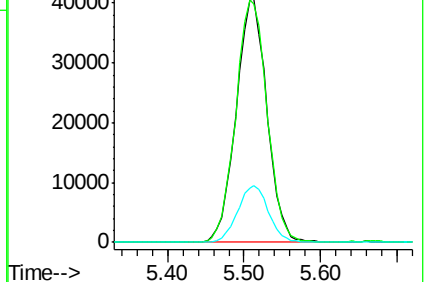
192 23.3 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

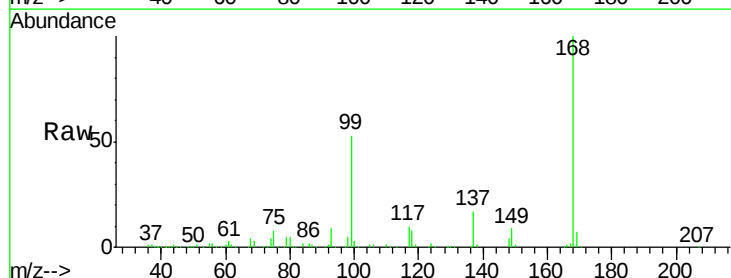
Tgt Ion: 75 Resp: 15196

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.4#

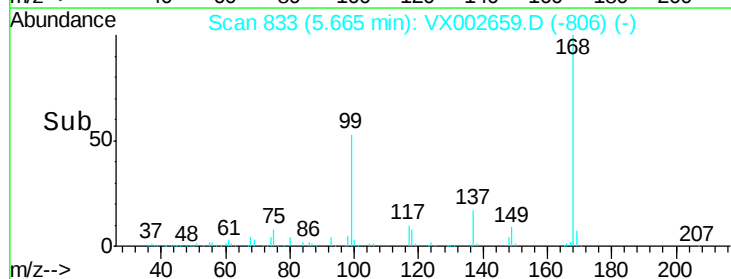
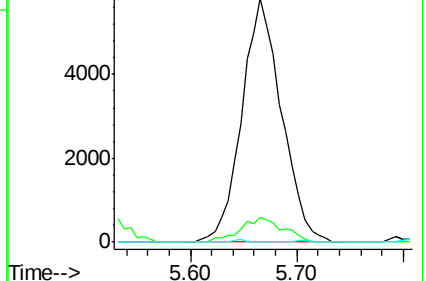
77 0.3 24.3 36.5#

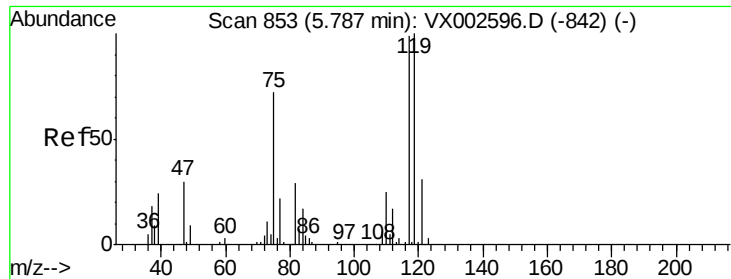


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.238 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-03-061218

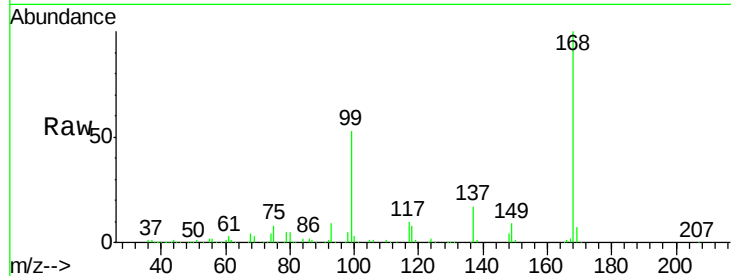
Tot Ion:117 Resp: 20258

Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.0#

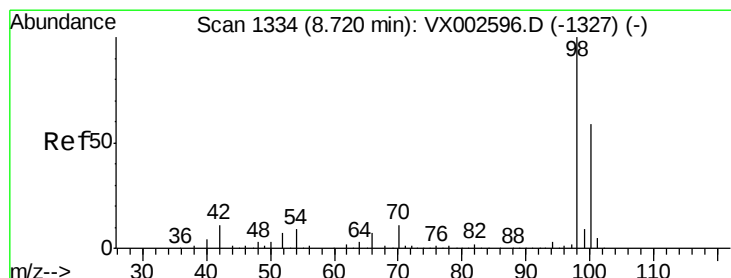
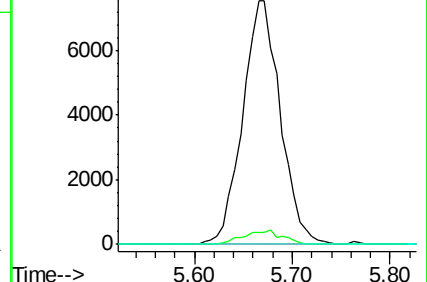
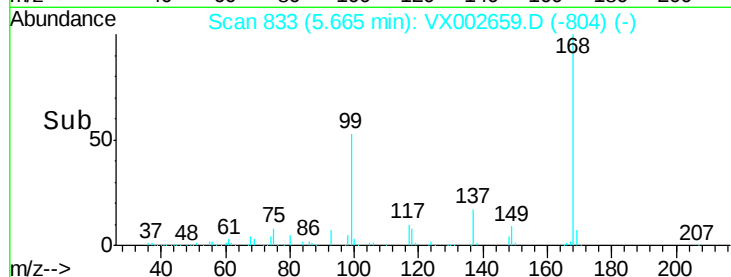
121 0.0 24.4 36.6#



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: 46.973 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002659.D

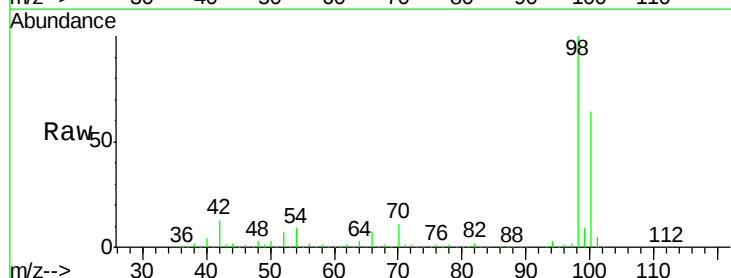
Acq: 16 Jun 2018 20:45

Tgt Ion: 98 Resp: 437090

Ion Ratio Lower Upper

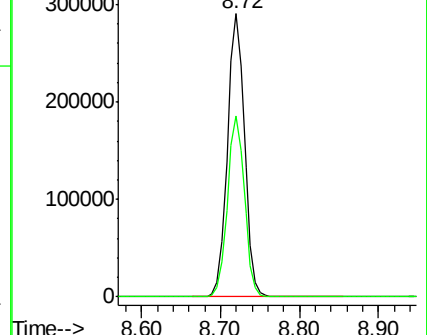
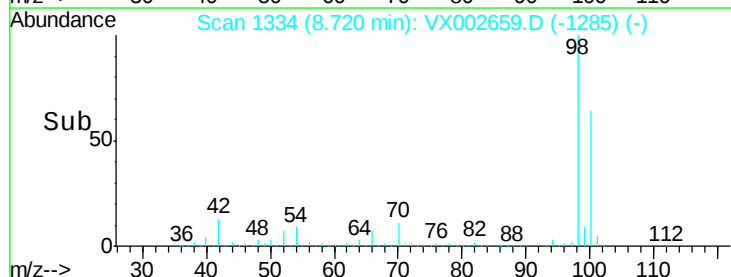
98 100

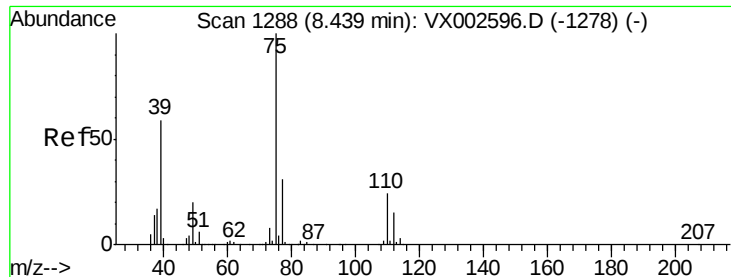
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

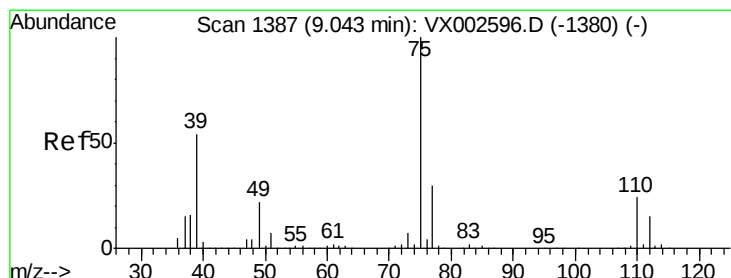
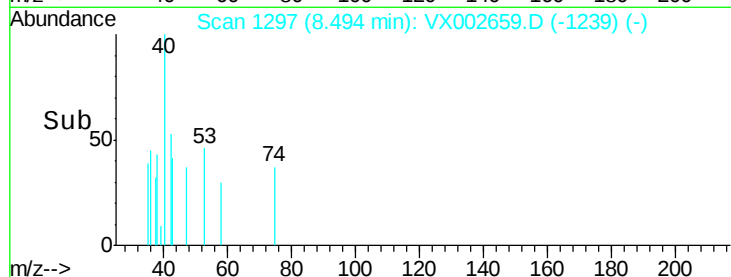
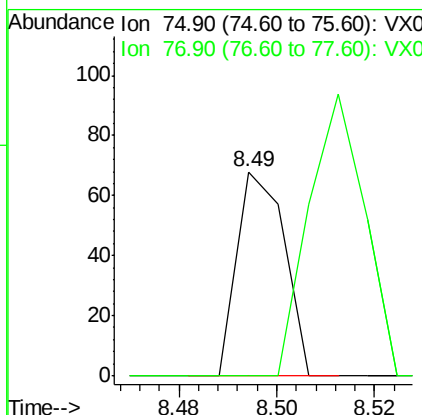
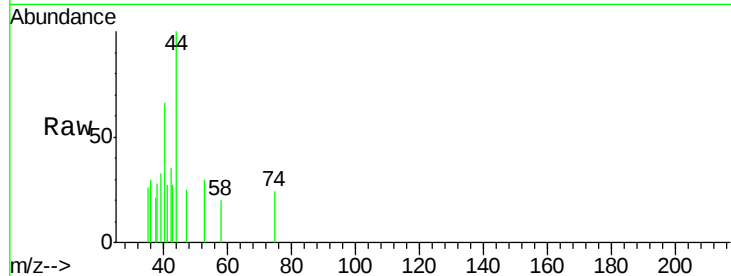




#53
t-1,3-Dichloropropene
Concen: 2.404 ug/l
RT: 8.49 min Scan# 1297
Delta R.T. 0.06 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

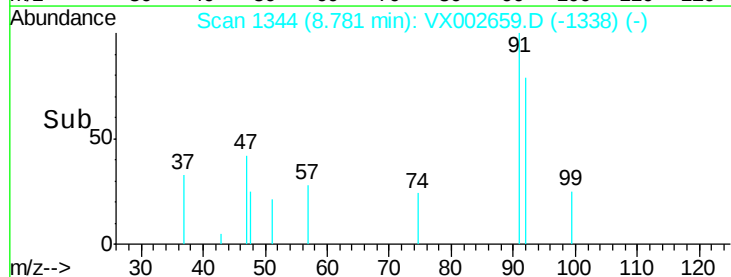
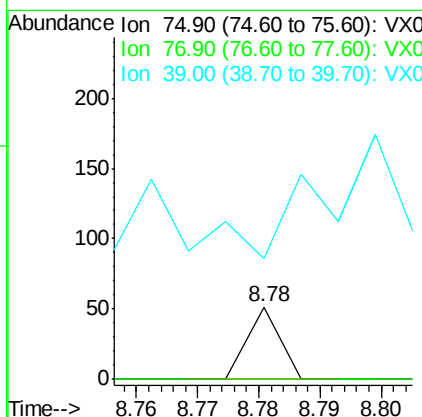
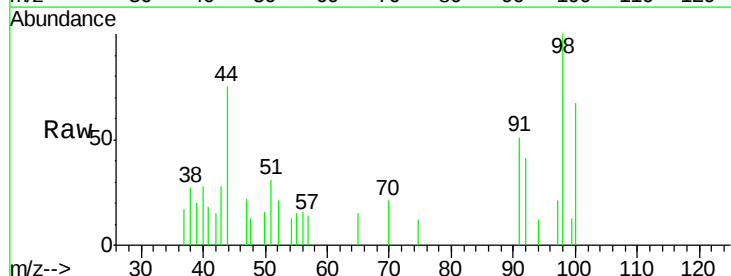
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-03-061218

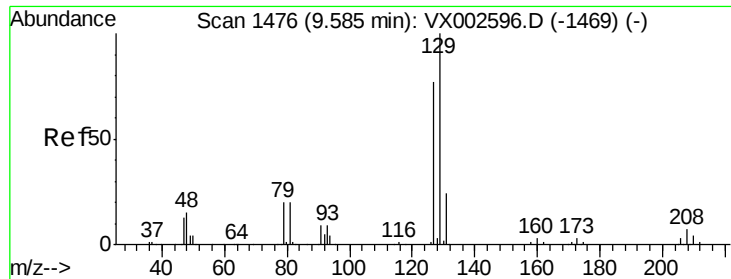
Tot Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 3.217 ug/l
RT: 8.78 min Scan# 1344
Delta R.T. -0.26 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 0.0 42.4 63.6#

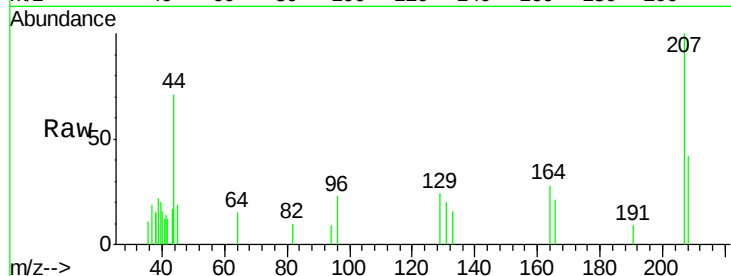




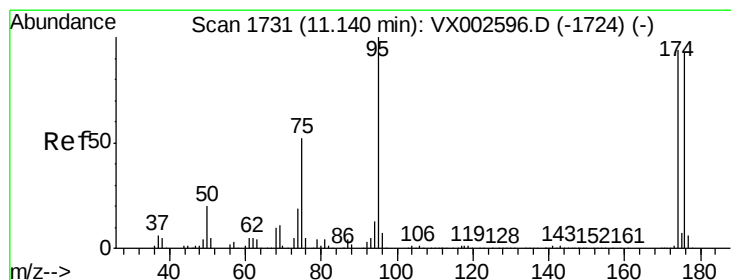
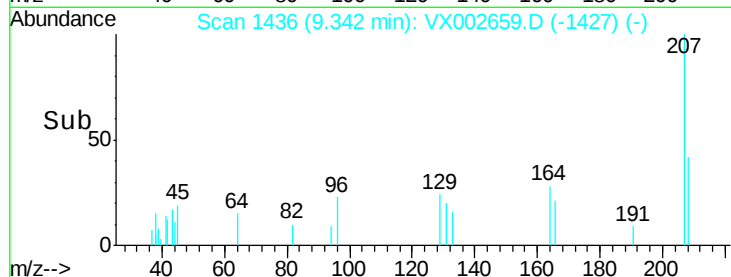
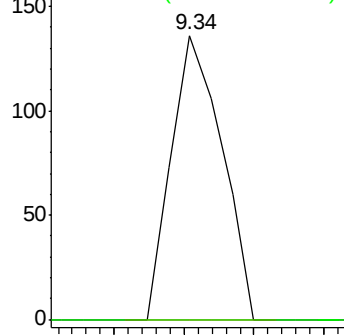
#60
Dibromochloromethane
Concen: 3.805 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-03-061218

Tot Ion:129 Resp: 137
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

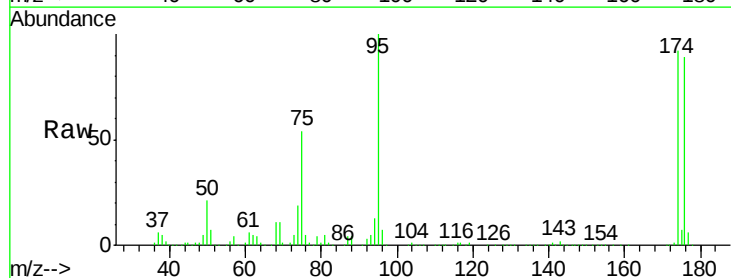


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

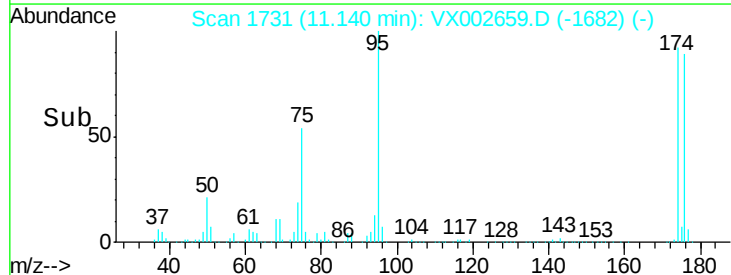
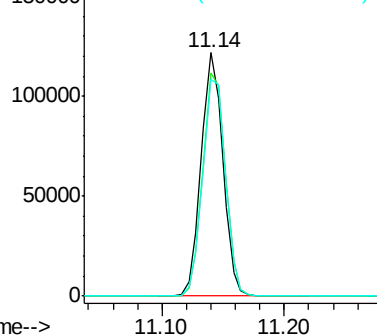


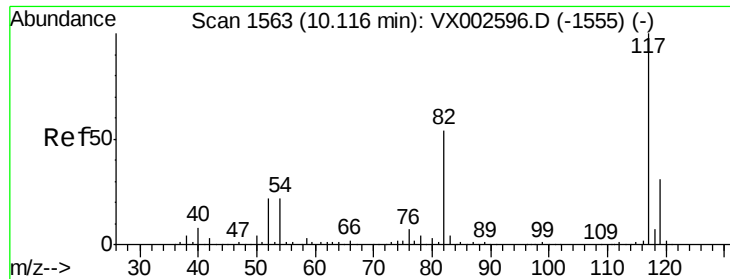
#62
4-Bromofluorobenzene
Concen: 42.059 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002659.D
Acq: 16 Jun 2018 20:45

Tgt Ion: 95 Resp: 148302
Ion Ratio Lower Upper
95 100
174 95.7 0.0 187.4
176 94.2 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: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-03-061218

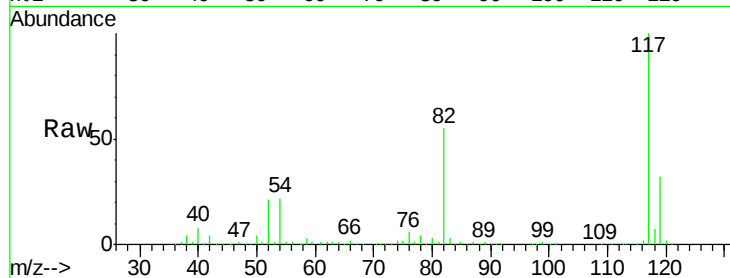
Tot Ion:117 Resp: 283864

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.4

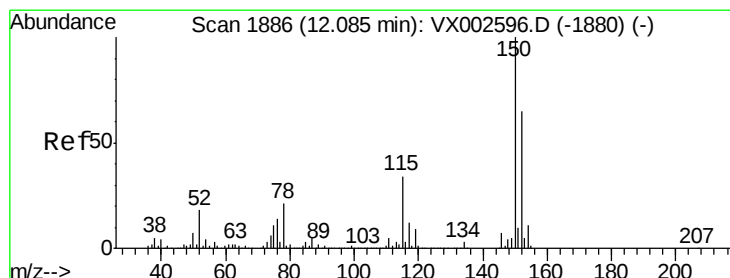
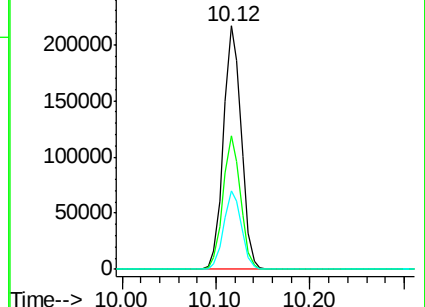
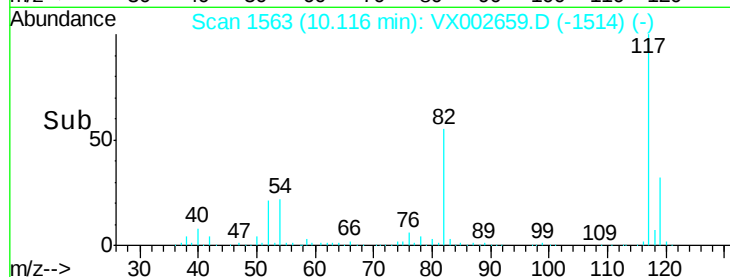
119 32.3 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

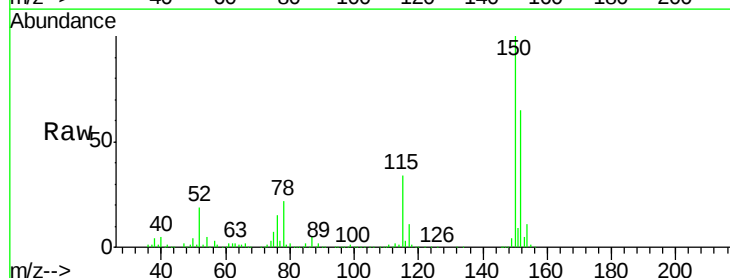
Tgt Ion:152 Resp: 155633

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

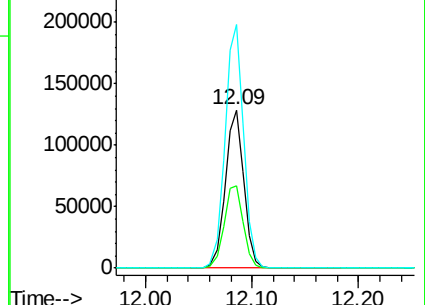
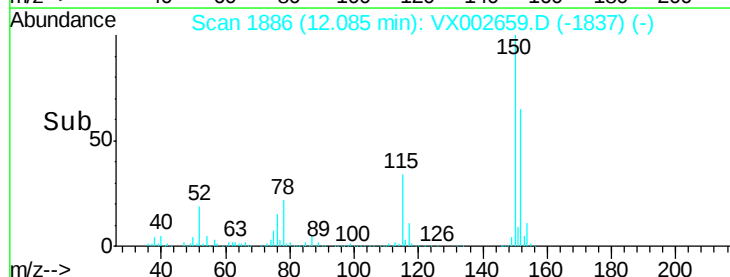
150 154.8 0.0 347.2

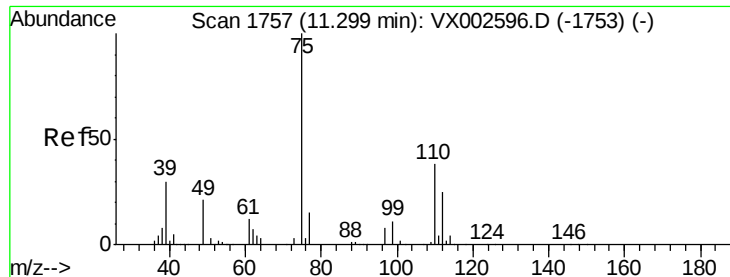


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

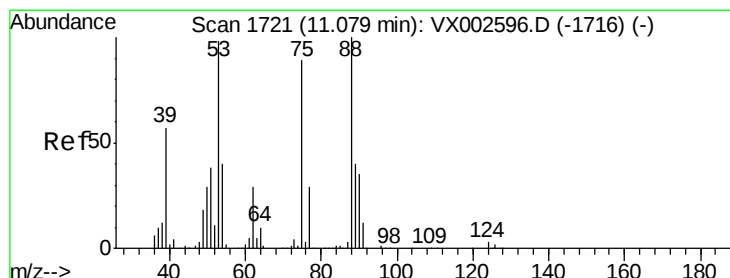
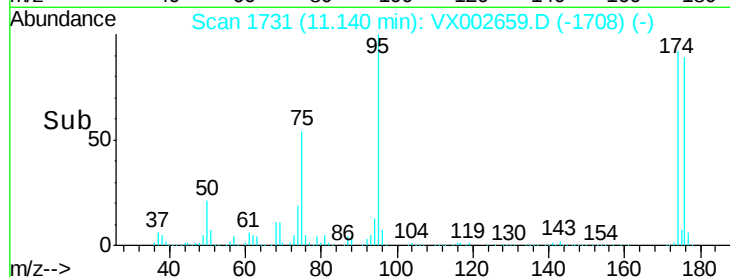
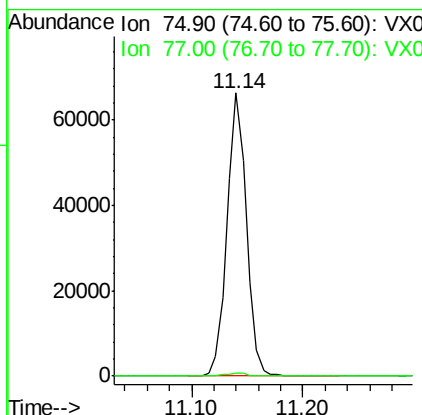
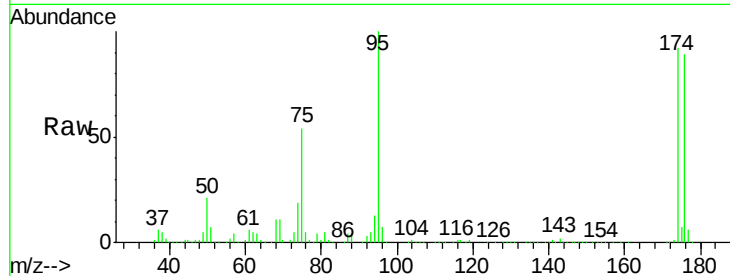




#76
 1,2,3-Trichloropropane
 Concen: 27.134 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002659.D
 Acq: 16 Jun 2018 20:45

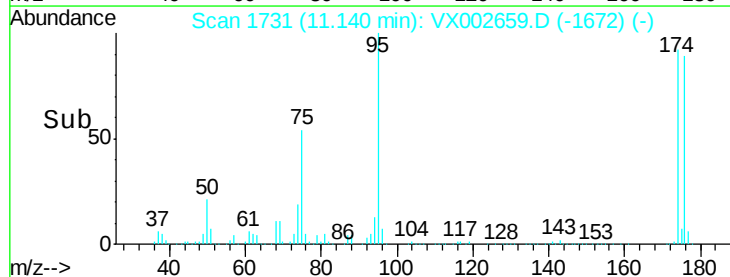
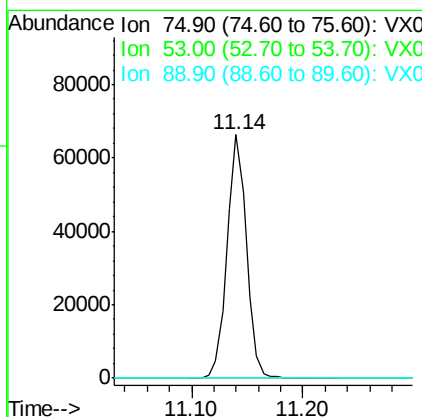
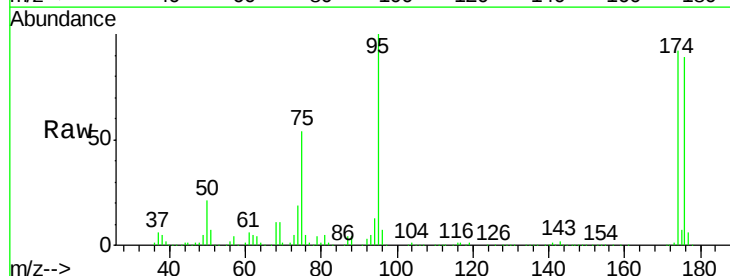
Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-03-061218

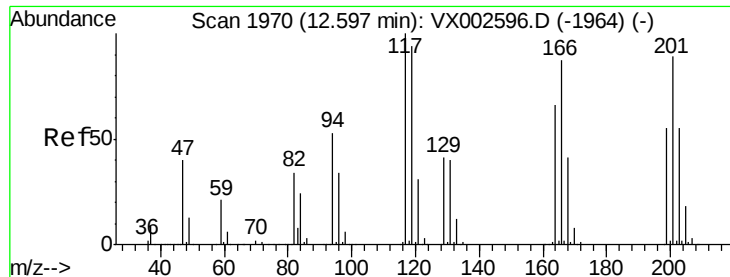
Tot Ion: 75 Resp: 79688
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.743 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002659.D
 Acq: 16 Jun 2018 20:45

Tgt Ion: 75 Resp: 79688
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.1 38.2 57.2#





#90

Hexachloroethane

Concen: 2.677 ug/l

RT: 12.69 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

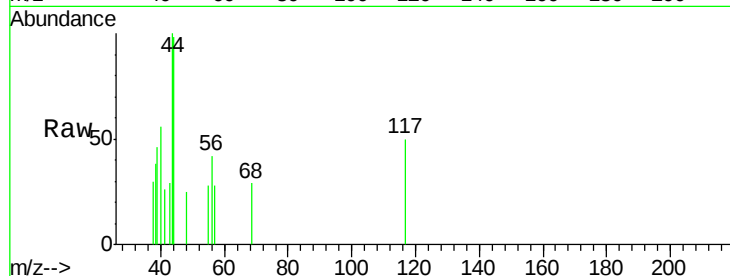
PR-MW-03-061218

Tot Ion:117 Resp: 82

Ion Ratio Lower Upper

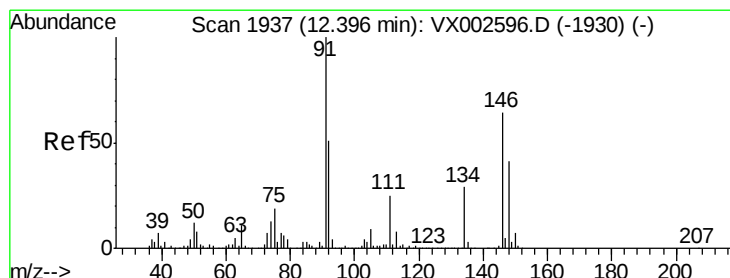
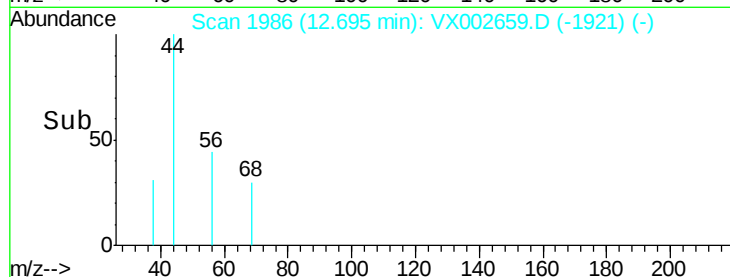
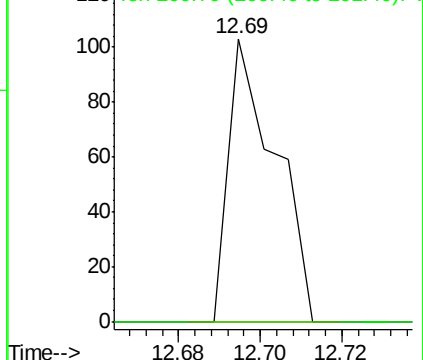
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.233 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.01 min

Lab File: VX002659.D

Acq: 16 Jun 2018 20:45

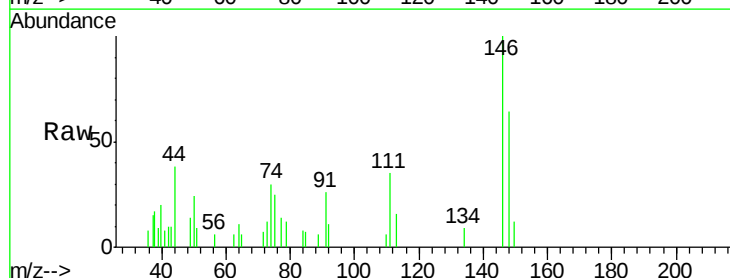
Tgt Ion:146 Resp: 1248

Ion Ratio Lower Upper

146 100

111 45.9 19.4 58.1

148 69.6 31.7 95.1



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

