

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002615.D
 Acq On : 15 Jun 2018 23:42
 Operator : JC/MD
 Sample : J3467-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-05-061118

Quant Time: Jun 16 03:50:21 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	205509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	295444	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157596	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	140079	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	
35) Dibromofluoromethane	5.51	113	106797	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
50) Toluene-d8	8.72	98	423257	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	11.14	95	148646	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

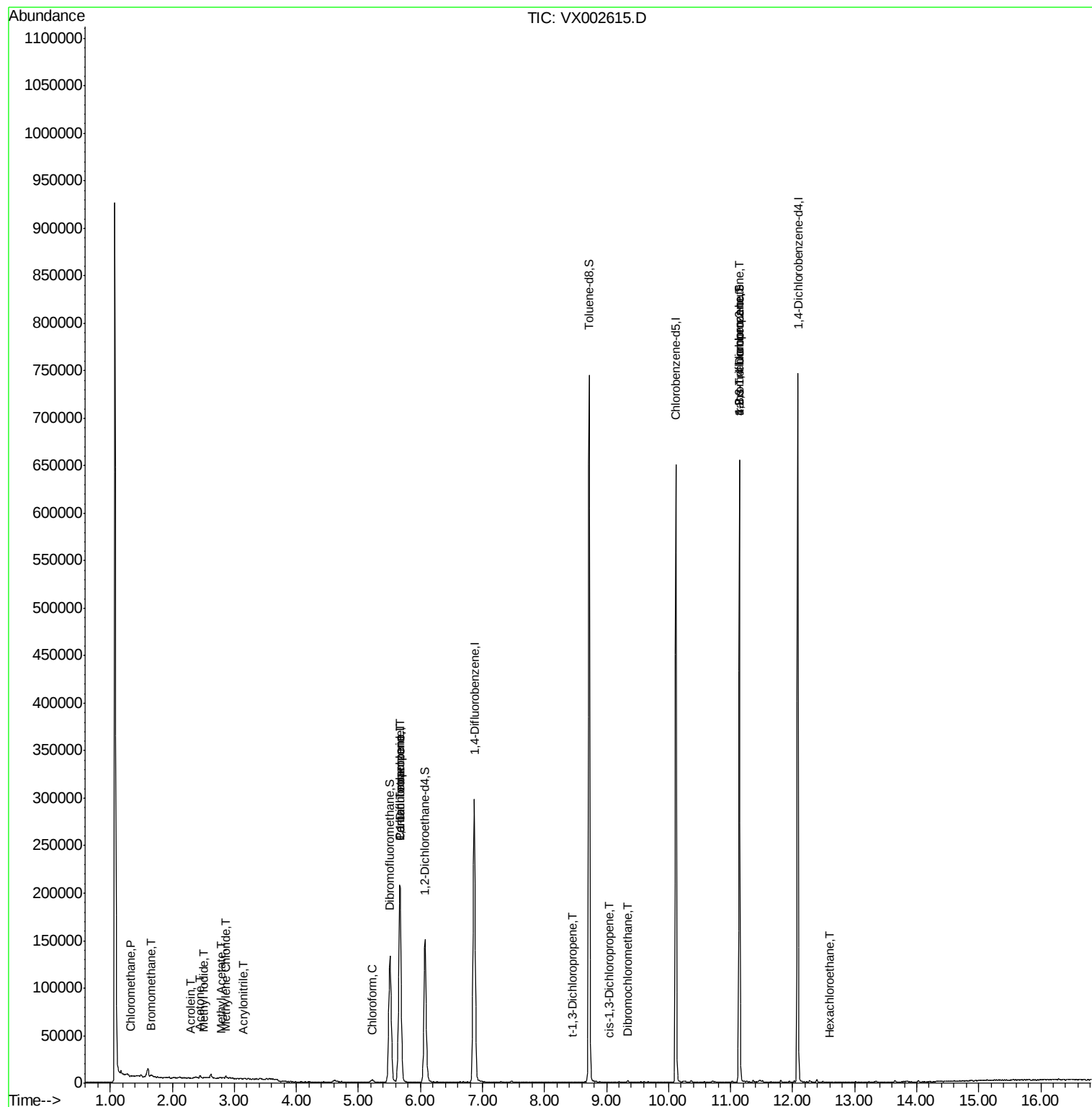
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	634	0.24	ug/l #	87
5) Bromomethane	1.65	94	744	0.46	ug/l	85
10) Methyl Iodide	2.51	142	1071	5.47	ug/l #	88
13) Acrolein	2.29	56	160	7.38	ug/l	87
15) Acrylonitrile	3.14	53	321	0.23	ug/l #	54
16) Acetone	2.45	43	3179	2.31	ug/l	100
18) Methyl Acetate	2.78	43	1523	0.41	ug/l	100
20) Methylene Chloride	2.86	84	1084	0.38	ug/l #	78
30) Chloroform	5.23	83	2599	0.60	ug/l	85
36) 1,1-Dichloropropene	5.67	75	14717	4.69	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19018	6.09	ug/l #	15
53) t-1,3-Dichloropropene	8.45	75	22	2.40	ug/l #	1
54) cis-1,3-Dichloropropene	9.04	75	45	3.22	ug/l #	32
60) Dibromochloromethane	9.33	129	204	3.83	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	80453	27.05	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	80453	83.51	ug/l #	6
90) Hexachloroethane	12.59	117	22	2.64	ug/l #	1

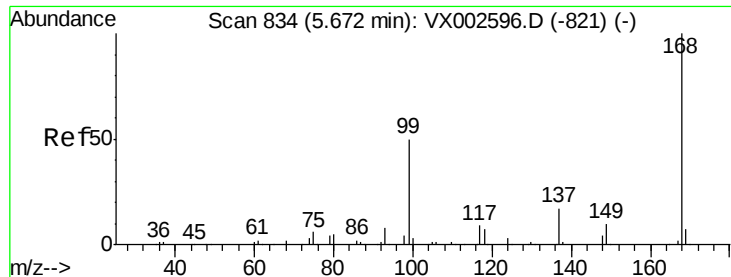
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
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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: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

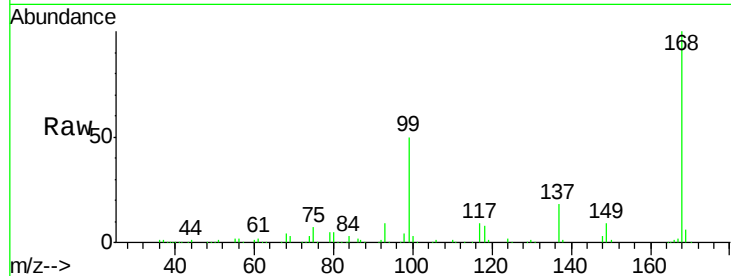
C-MW-05-061118

Tot Ion:168 Resp: 205509

Ion Ratio Lower Upper

168 100

99 49.7 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

80000

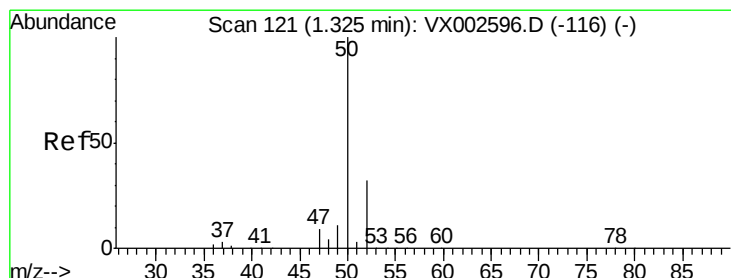
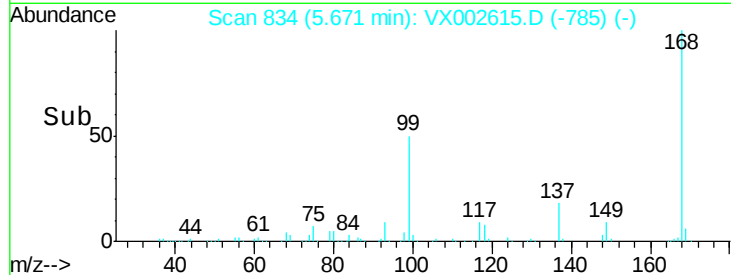
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002615.D

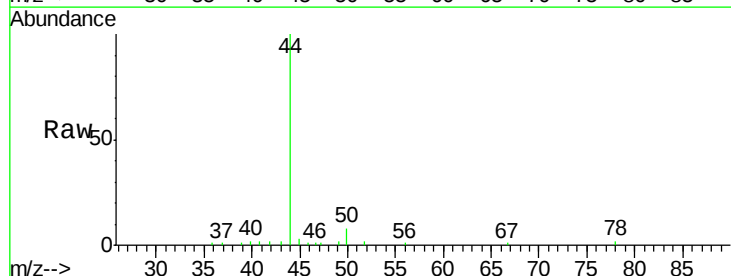
Acq: 15 Jun 2018 23:42

Tgt Ion: 50 Resp: 634

Ion Ratio Lower Upper

50 100

52 24.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

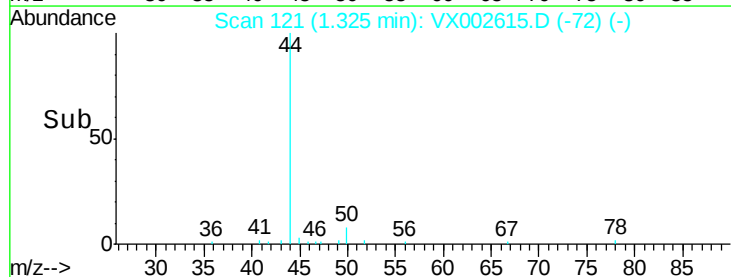
300

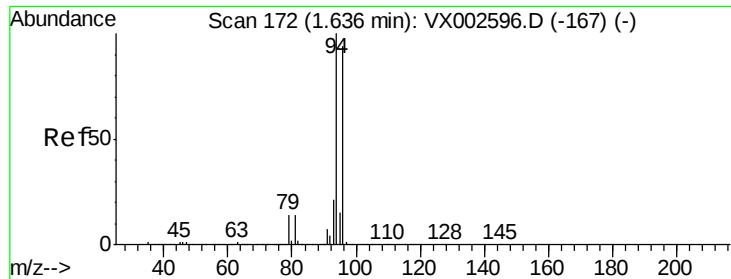
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.46 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

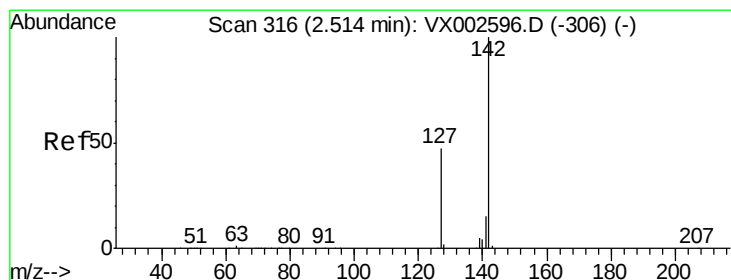
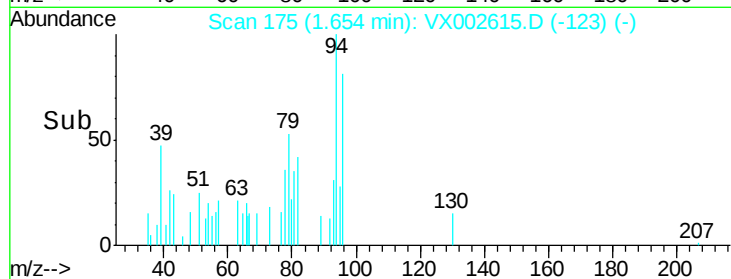
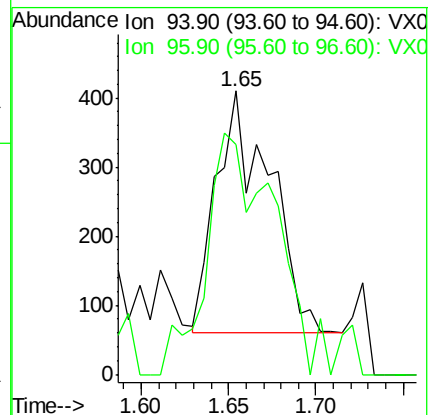
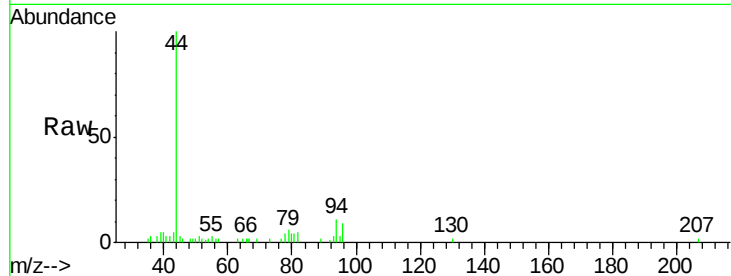
C-MW-05-061118

Tot Ion: 94 Resp: 744

Ion Ratio Lower Upper

94 100

96 79.1 74.9 112.3



#10

Methyl Iodide

Concen: 5.47 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

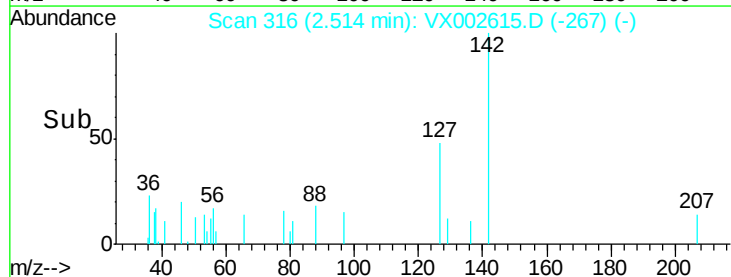
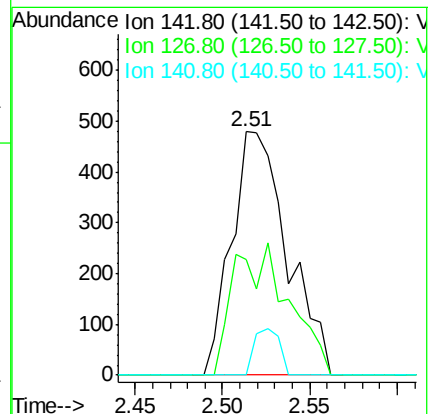
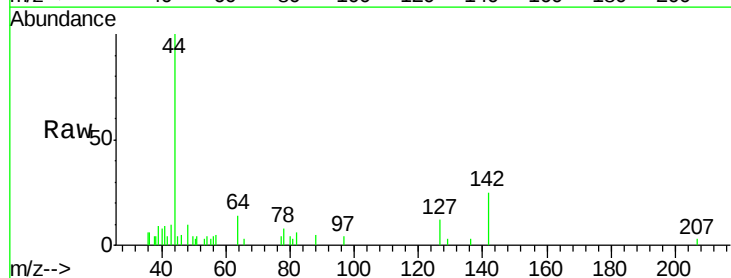
Tgt Ion:142 Resp: 1071

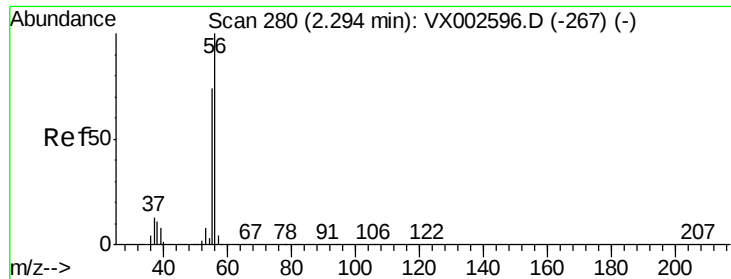
Ion Ratio Lower Upper

142 100

127 53.2 36.6 55.0

141 8.5 11.3 16.9#





#13

Acrolein

Concen: 7.38 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

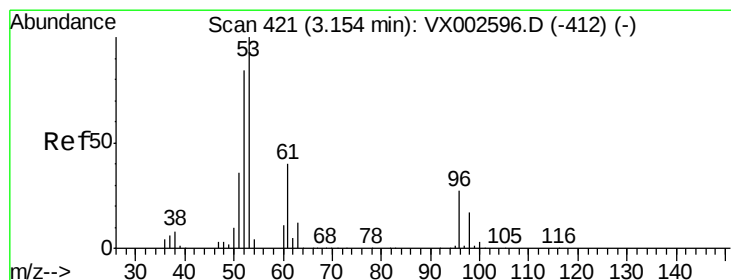
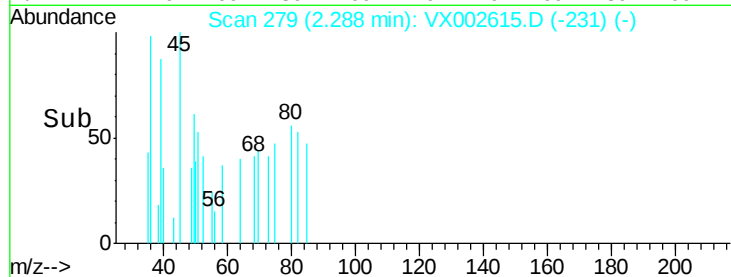
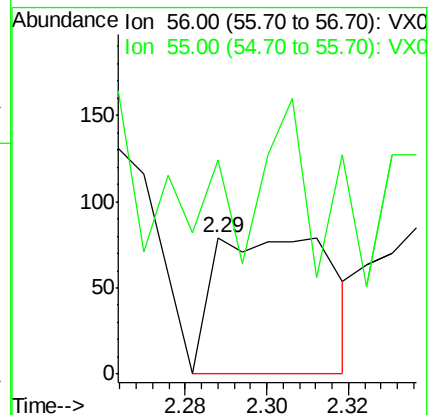
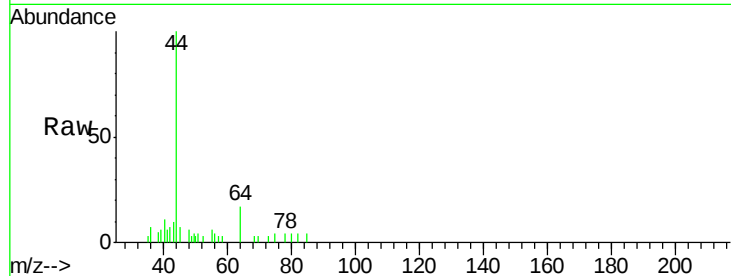
C-MW-05-061118

Tot Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 60.6 57.0 85.4



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

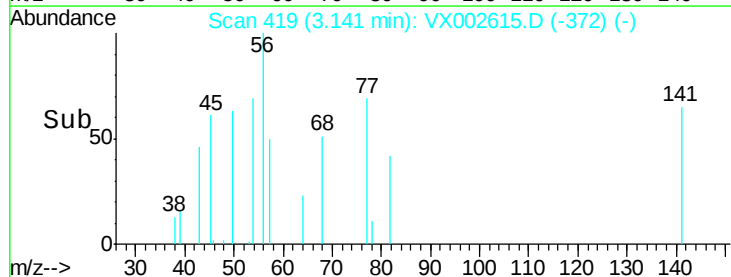
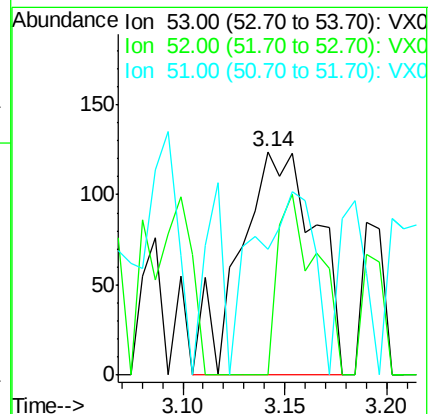
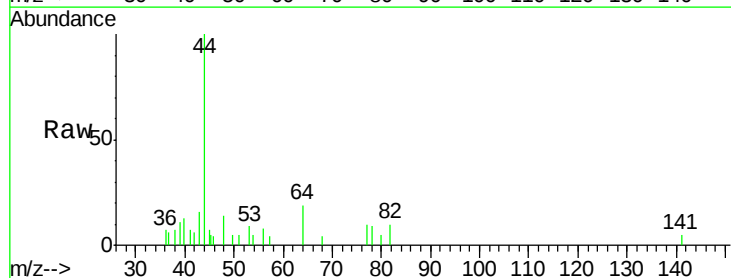
Tgt Ion: 53 Resp: 321

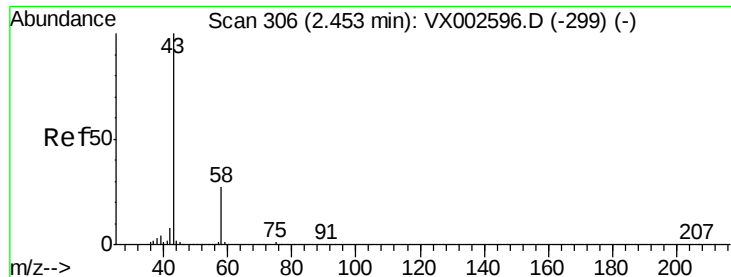
Ion Ratio Lower Upper

53 100

52 42.1 66.7 100.1#

51 64.5 29.9 44.9#





#16

Acetone

Concen: 2.31 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

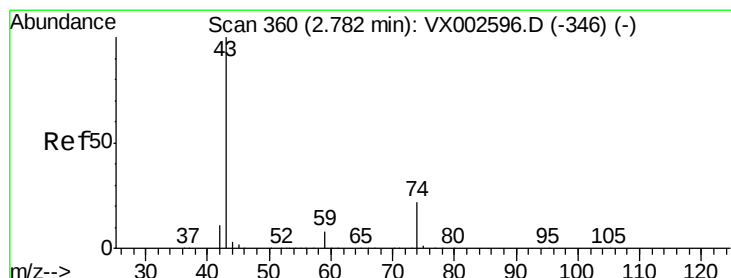
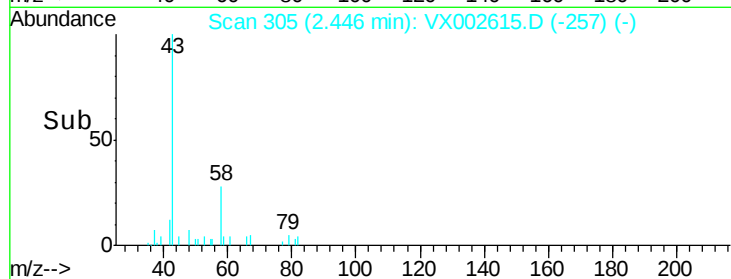
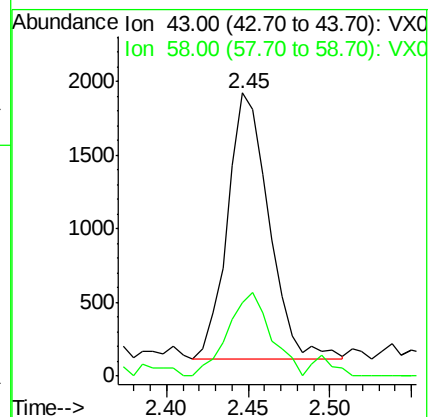
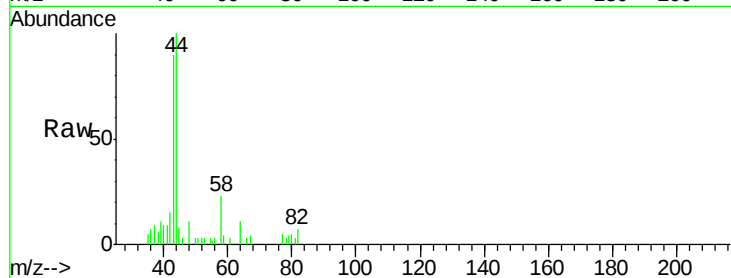
C-MW-05-061118

Tot Ion: 43 Resp: 3179

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1



#18

Methyl Acetate

Concen: 0.41 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002615.D

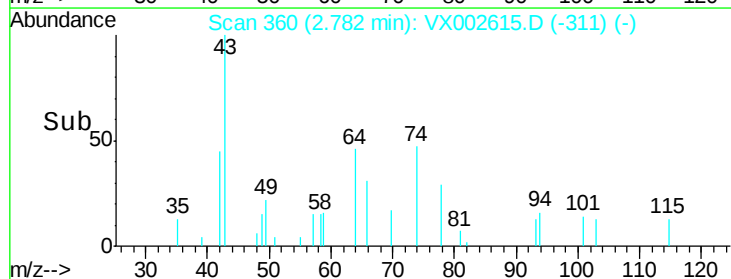
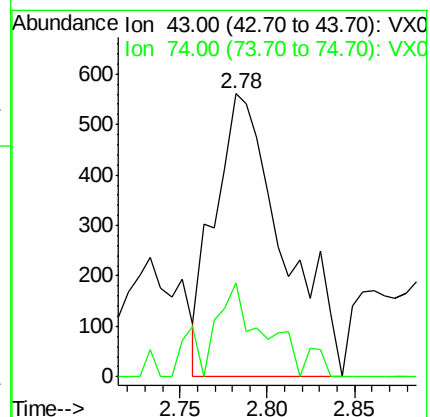
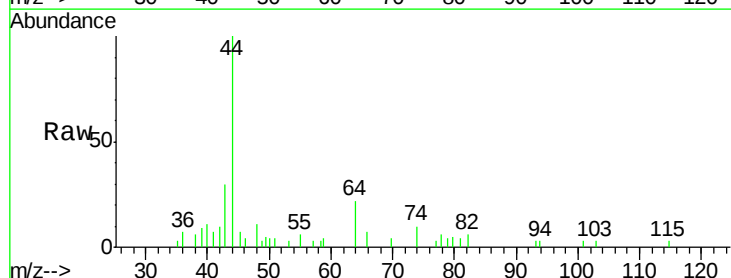
Acq: 15 Jun 2018 23:42

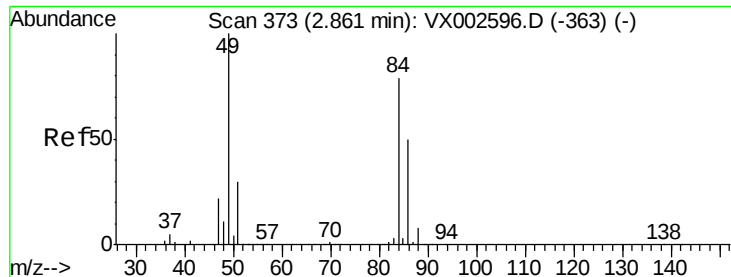
Tgt Ion: 43 Resp: 1523

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1

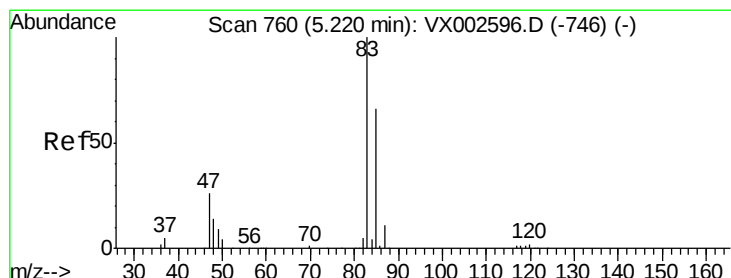
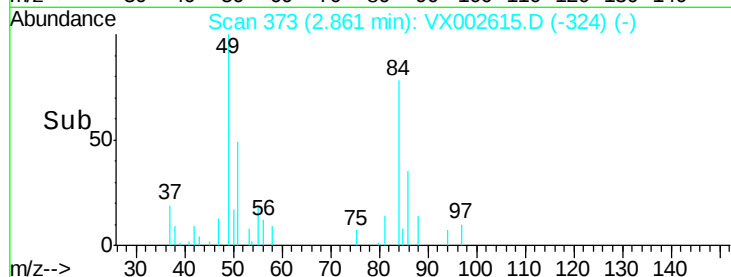
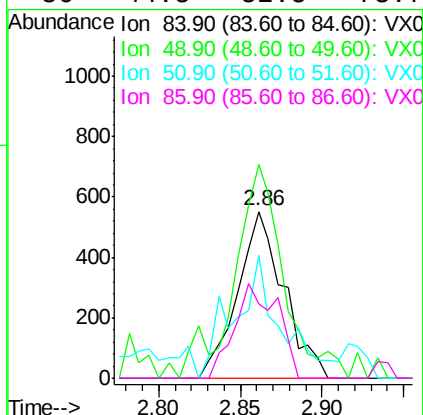
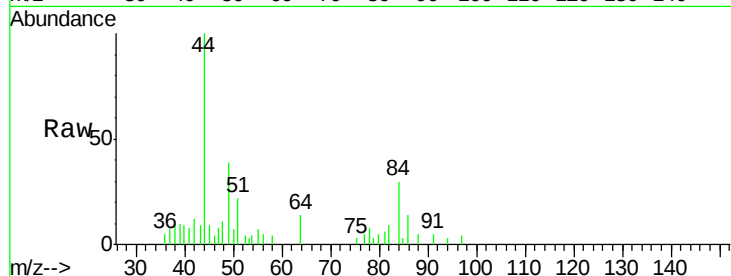




#20
Methvlene Chloride
Concen: 0.38 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002615.D
Acq: 15 Jun 2018 23:42

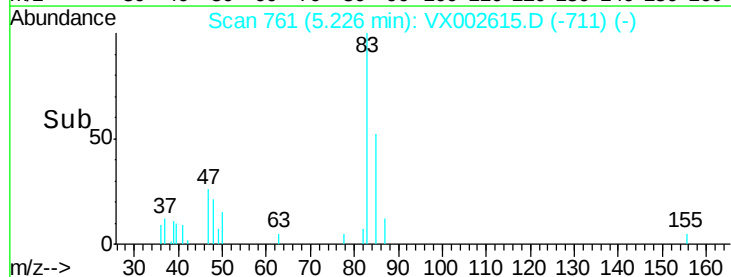
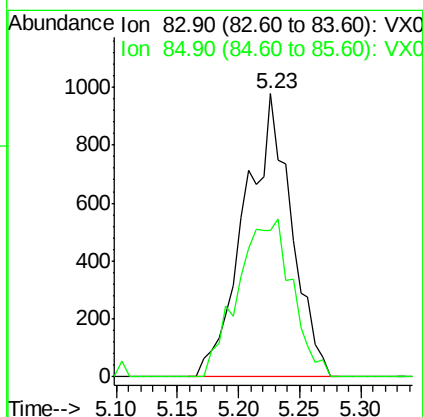
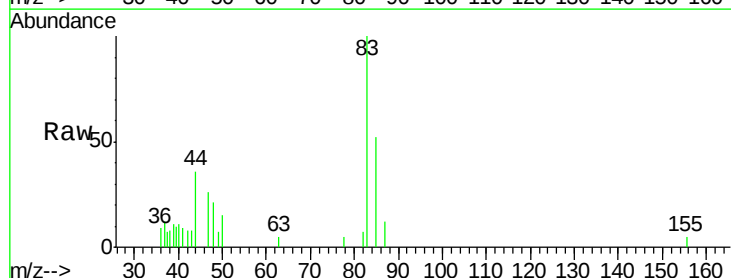
Instrument :
MSVOA_X
ClientSampleId :
C-MW-05-061118

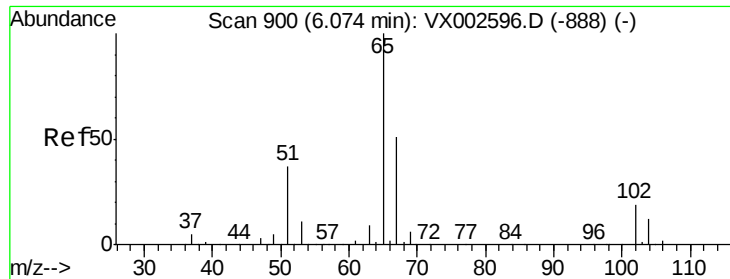
Tot Ion: 84 Resp: 1084
Ion Ratio Lower Upper
84 100
49 116.9 107.8 161.6
51 63.9 32.8 49.2#
86 44.5 52.5 78.7#



#30
Chloroform
Concen: 0.60 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002615.D
Acq: 15 Jun 2018 23:42

Tgt Ion: 83 Resp: 2599
Ion Ratio Lower Upper
83 100
85 51.7 50.4 75.6





#33

1,2-Dichloroethane-d4

Concen: 44.85 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

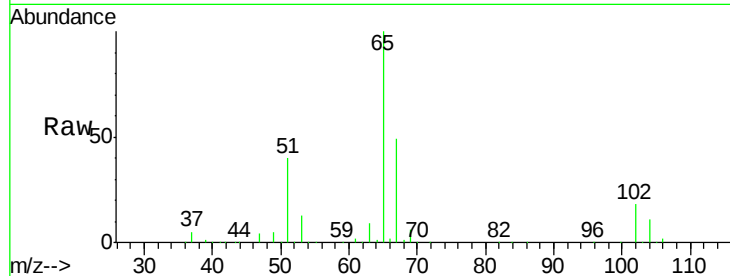
C-MW-05-061118

Tot Ion: 65 Resp: 140079

Ion Ratio Lower Upper

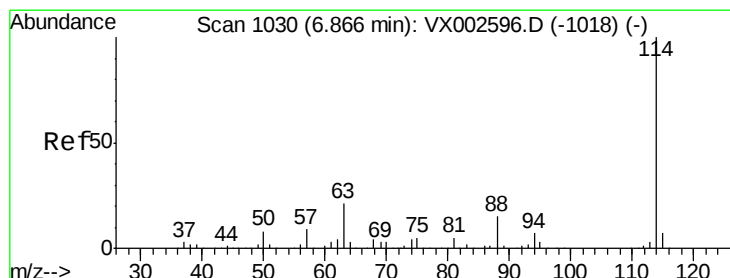
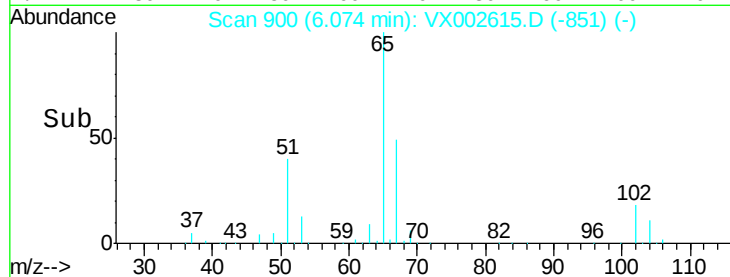
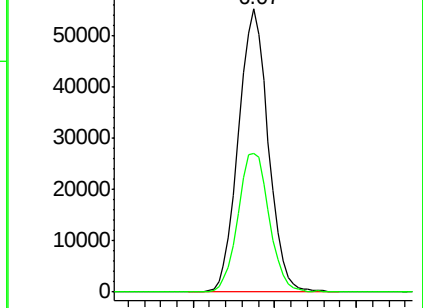
65 100

67 51.7 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: VX002615.D

Acq: 15 Jun 2018 23:42

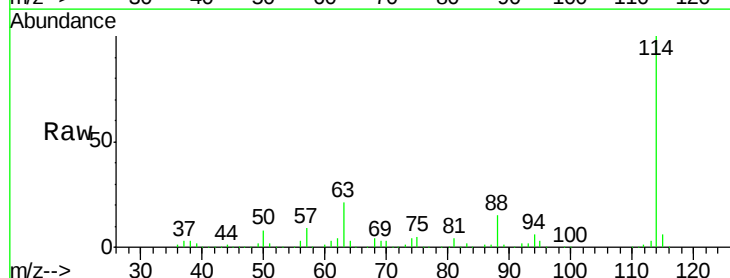
Tgt Ion: 114 Resp: 295444

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

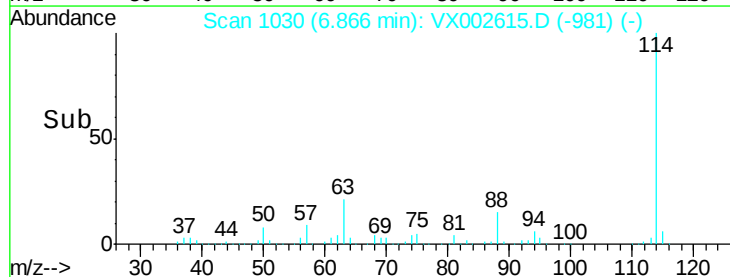
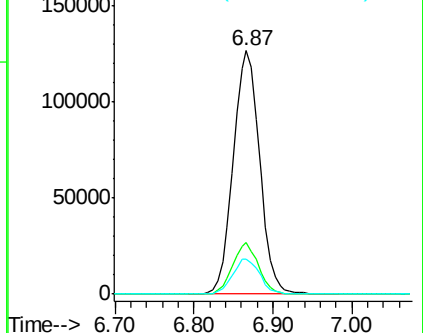
88 14.5 0.0 30.0

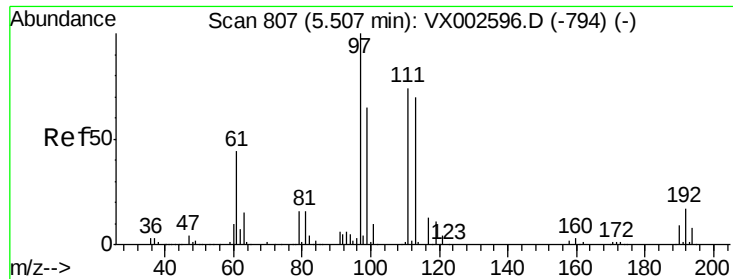


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

C-MW-05-061118

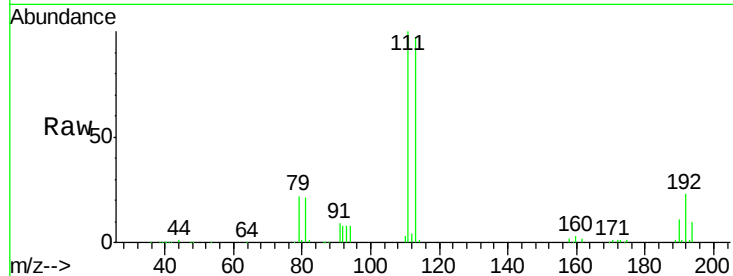
Tot Ion:113 Resp: 106797

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

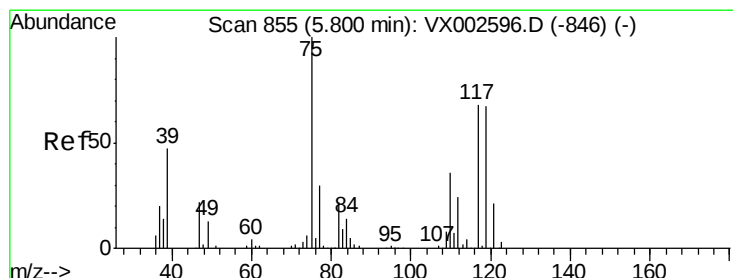
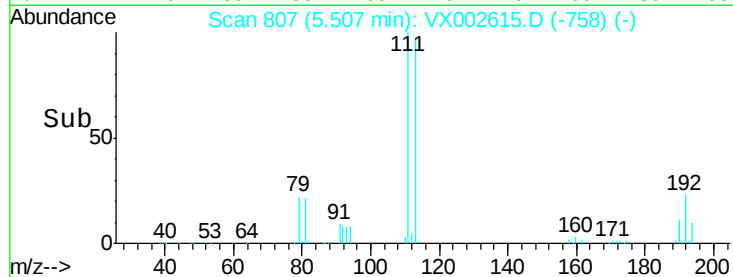
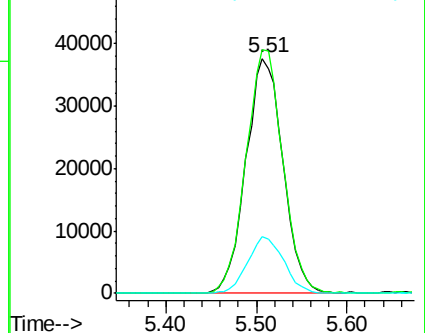
192 23.5 19.1 28.7



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: 4.69 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

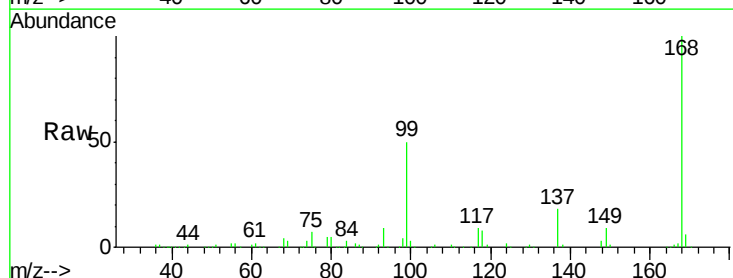
Tgt Ion: 75 Resp: 14717

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

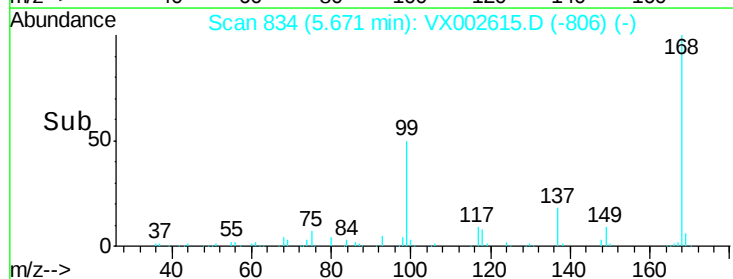
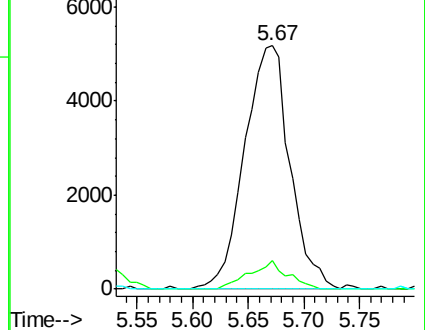
77 0.0 24.3 36.5#

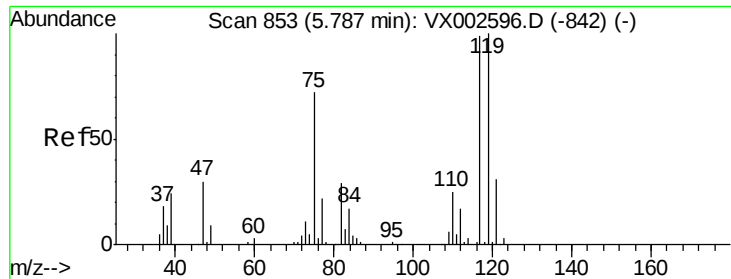


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.09 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

C-MW-05-061118

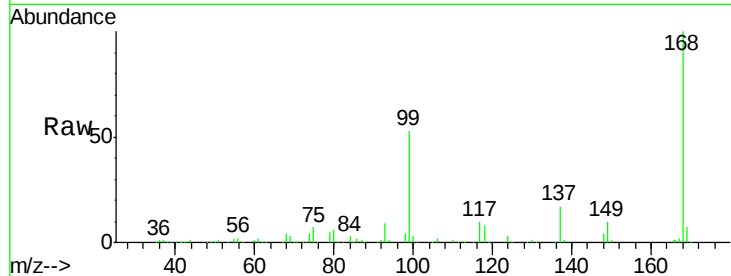
Tot Ion:117 Resp: 19018

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

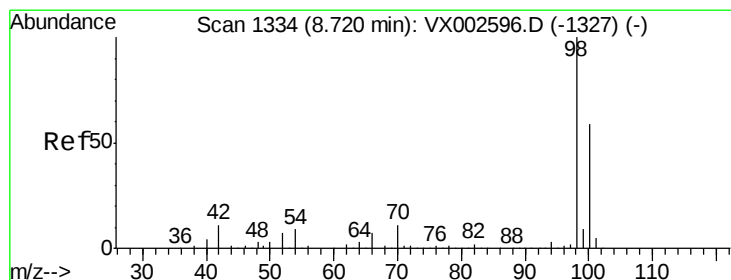
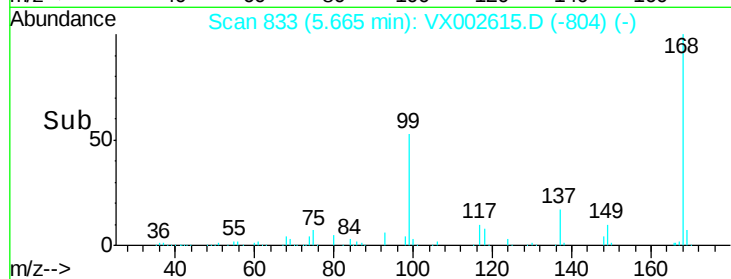
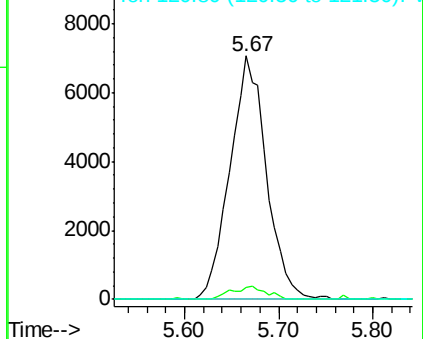
121 0.0 24.4 36.6#



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: 47.28 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002615.D

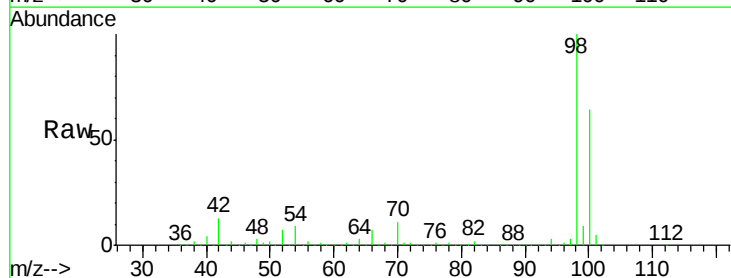
Acq: 15 Jun 2018 23:42

Tgt Ion: 98 Resp: 423257

Ion Ratio Lower Upper

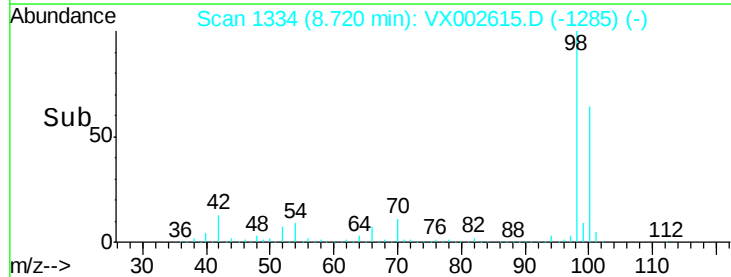
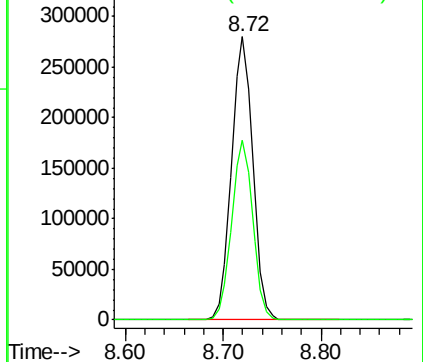
98 100

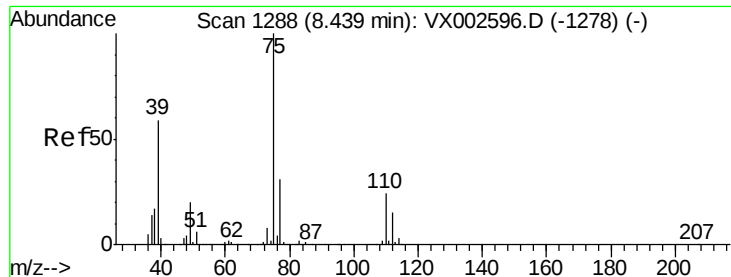
100 63.2 50.9 76.3



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: 2.40 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

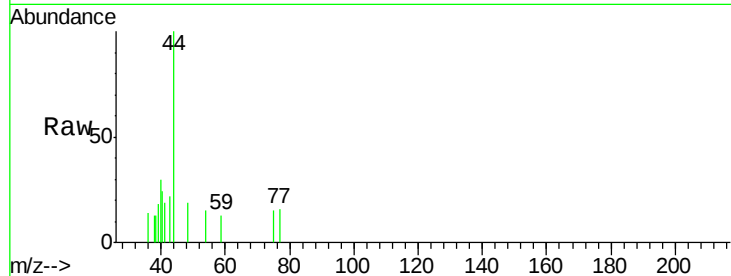
C-MW-05-061118

Tot Ion: 75 Resp: 22

Ion Ratio Lower Upper

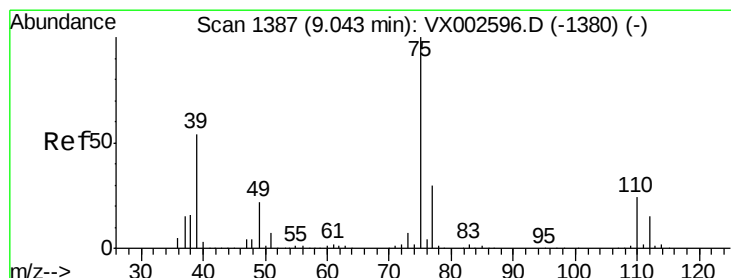
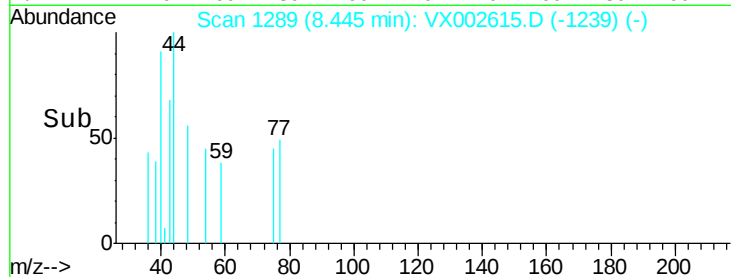
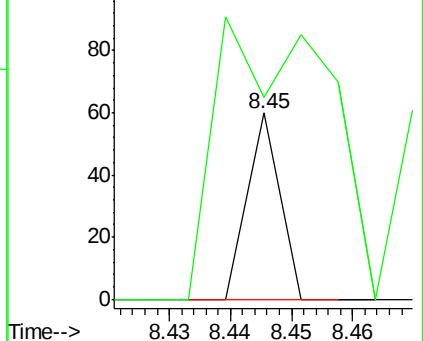
75 100

77 108.3 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.22 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

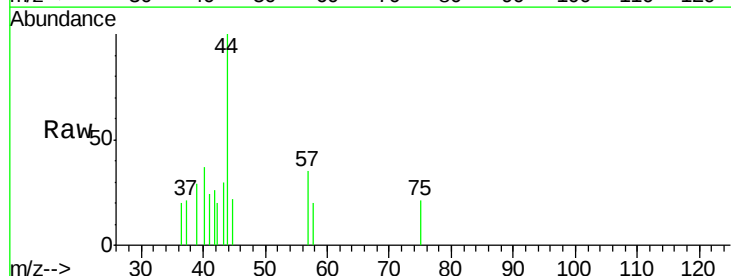
Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

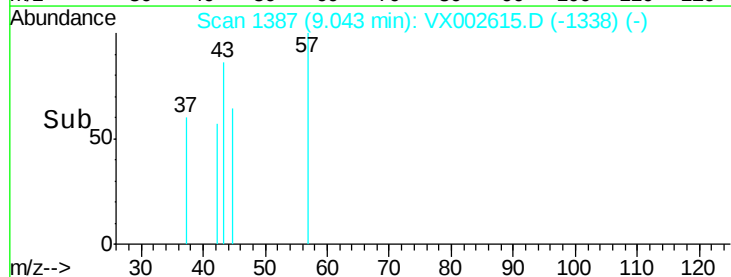
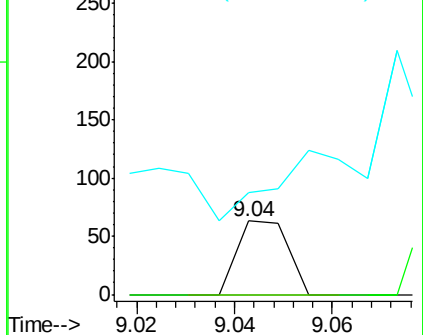
39 0.0 42.4 63.6#

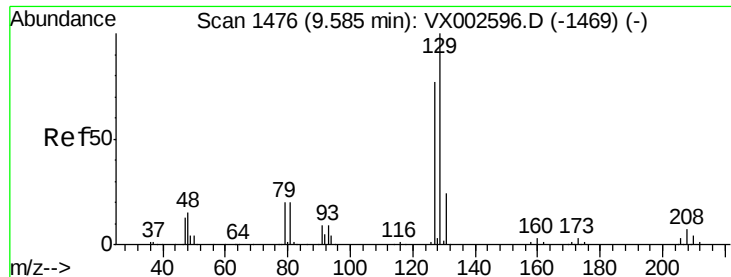


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 3.83 ug/l

RT: 9.33 min Scan# 1434

Delta R.T. -0.26 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

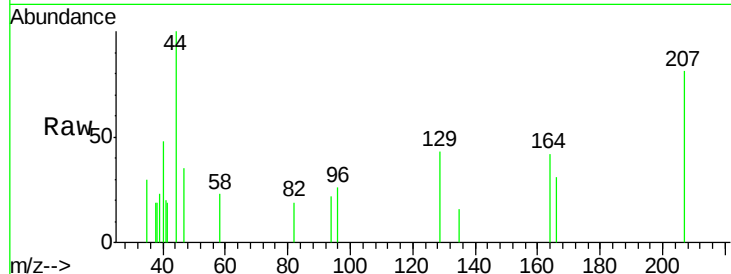
C-MW-05-061118

Tot Ion:129 Resp: 204

Ion Ratio Lower Upper

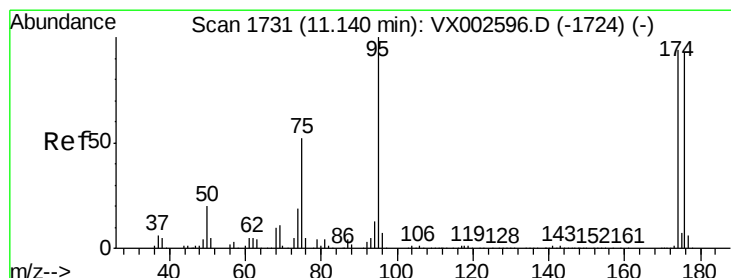
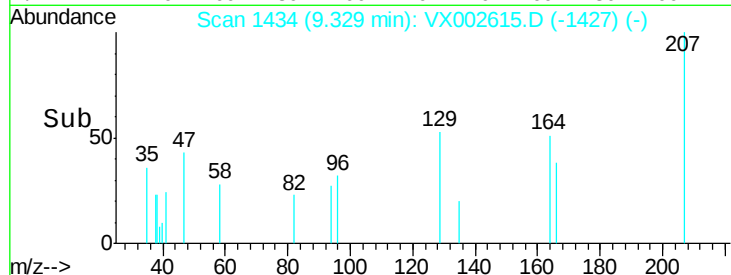
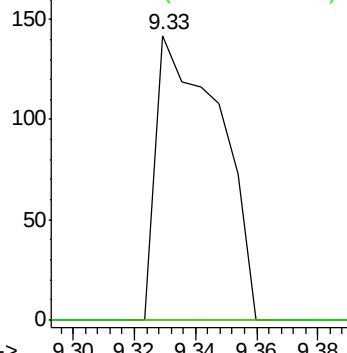
129 100

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: 43.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

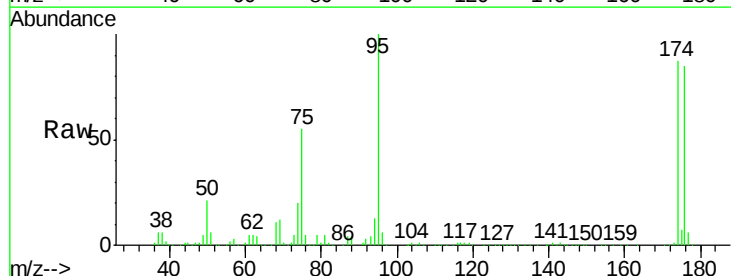
Tgt Ion: 95 Resp: 148646

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.4

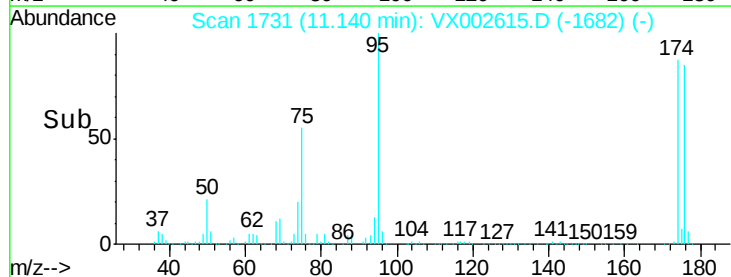
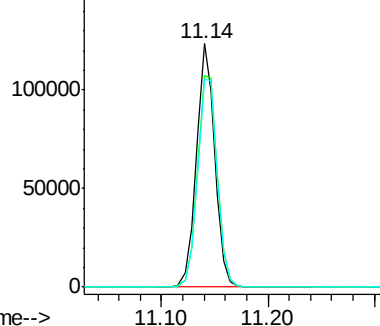
176 92.3 0.0 181.0

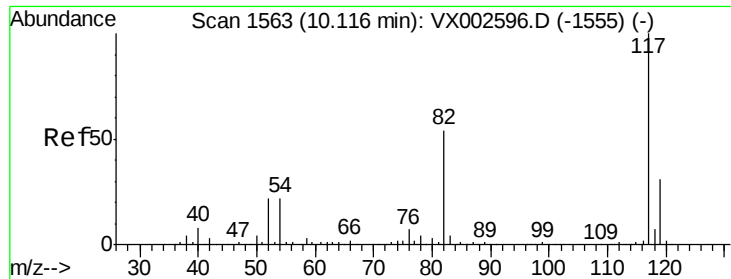


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampled :

C-MW-05-061118

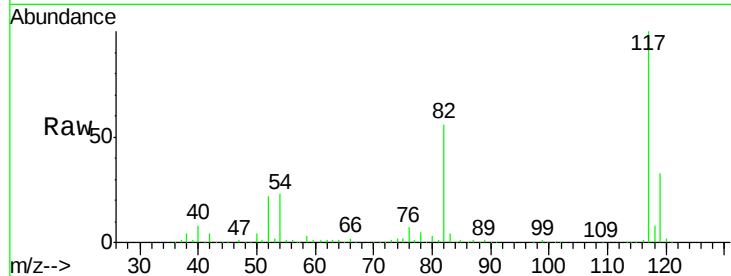
Tot Ion:117 Resp: 277175

Ion Ratio Lower Upper

117 100

82 56.2 45.0 67.4

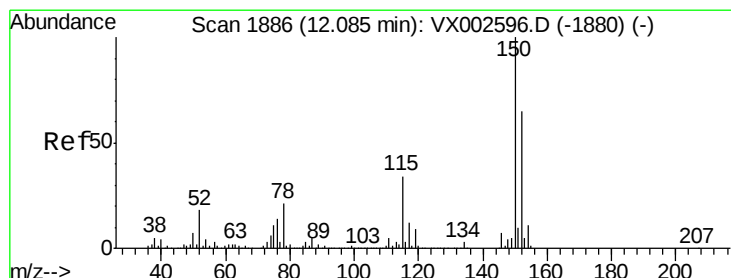
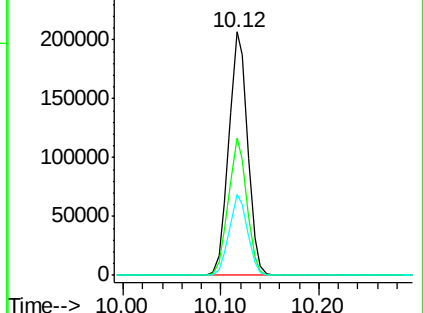
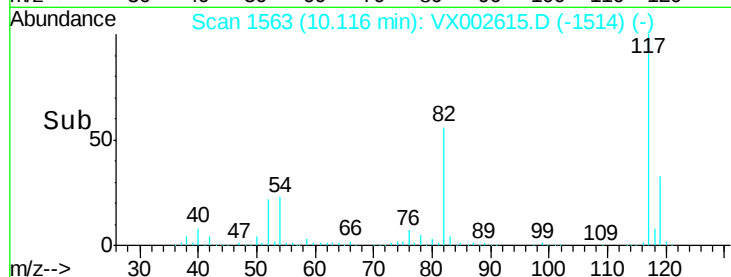
119 33.1 25.8 38.6



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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

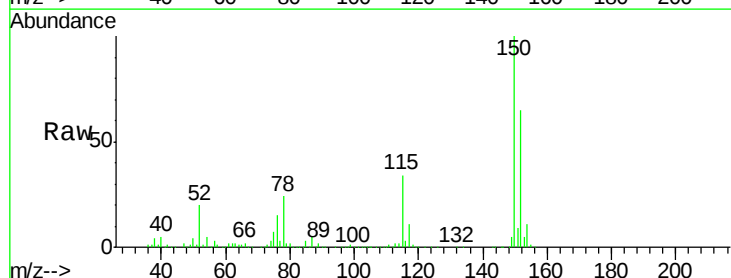
Tgt Ion:152 Resp: 157596

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

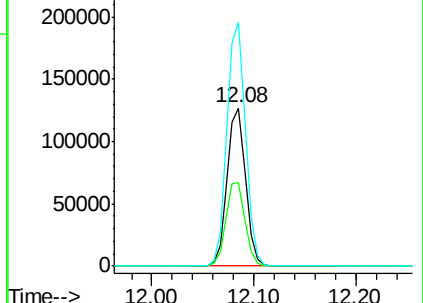
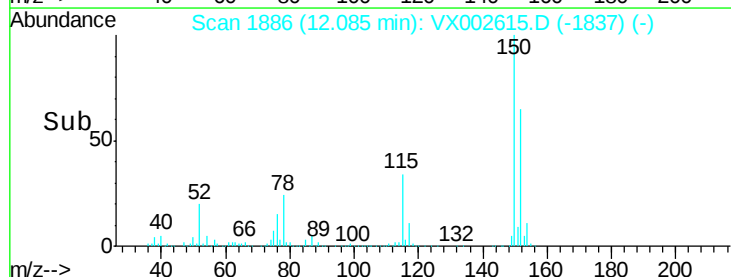
150 156.0 0.0 347.2

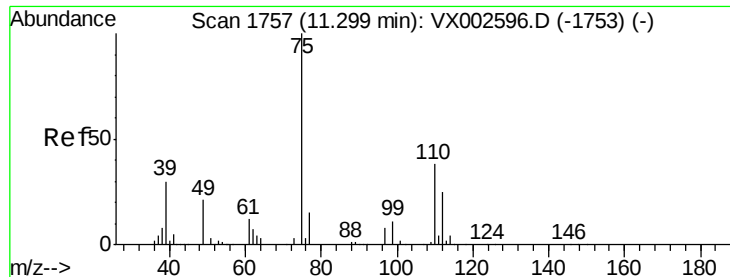


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

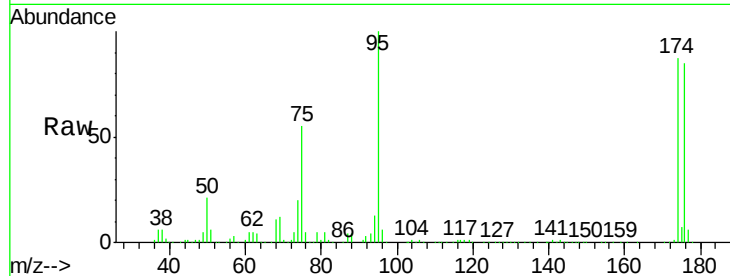
C-MW-05-061118

Tot Ion: 75 Resp: 80453

Ion Ratio Lower Upper

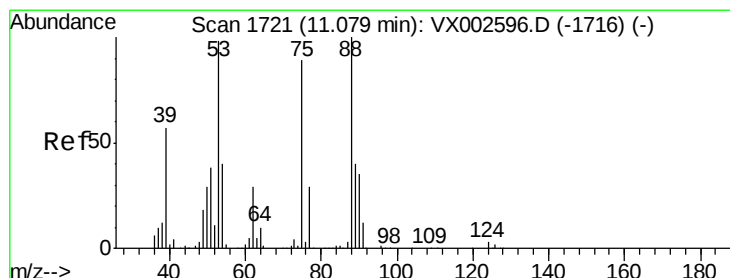
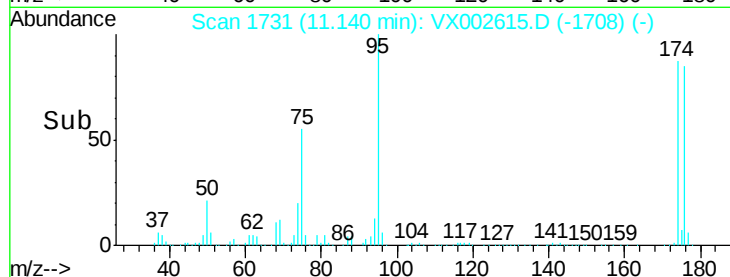
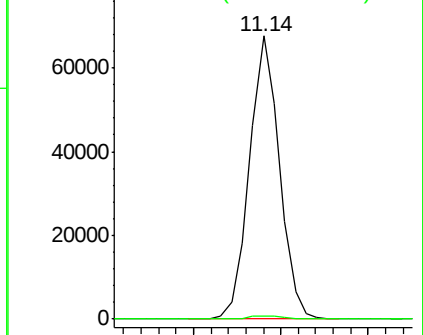
75 100

77 1.1 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: 83.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

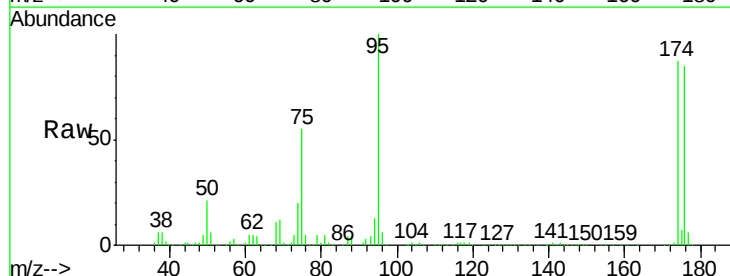
Tgt Ion: 75 Resp: 80453

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

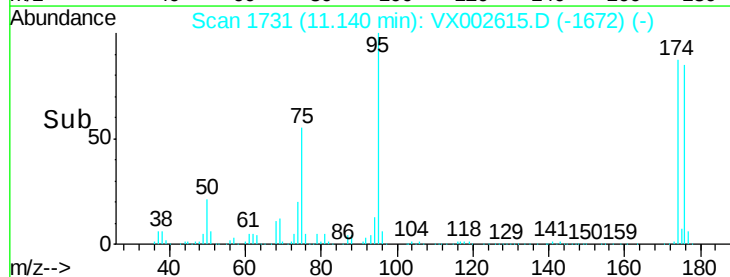
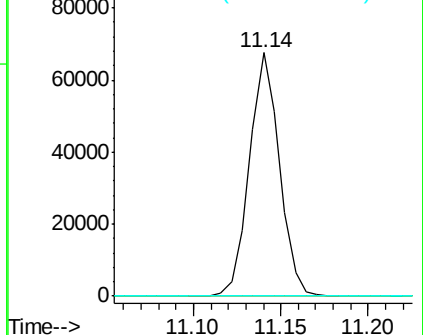
89 0.0 38.2 57.2#

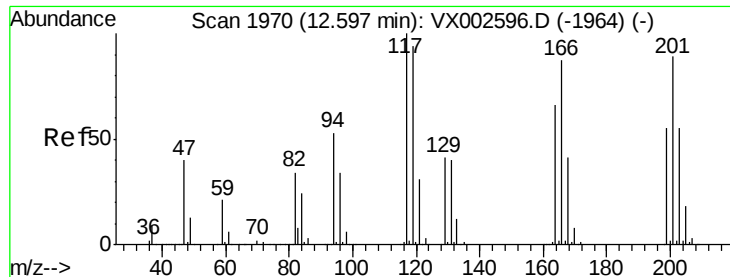


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX002615.D

Acq: 15 Jun 2018 23:42

Instrument :

MSVOA_X

ClientSampleId :

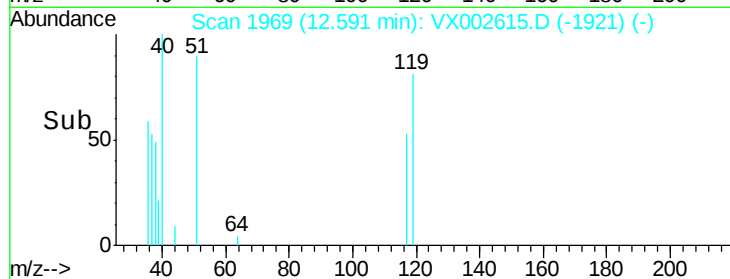
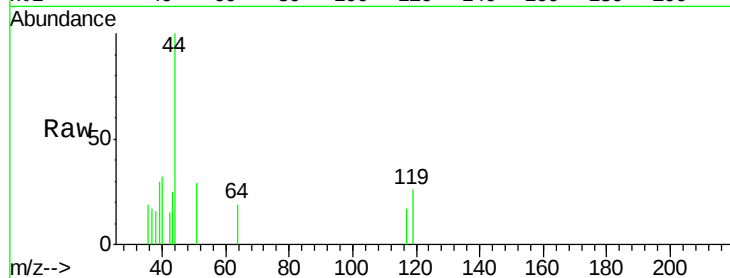
C-MW-05-061118

Tot Ion:117 Resp: 22

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

