

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003489.D
 Acq On : 20 Jul 2018 03:12
 Operator : JC/SP
 Sample : J3170-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW01-071118

Quant Time: Jul 20 12:01:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	415781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	409644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231842	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	182400	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	5.51	113	168845	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
50) Toluene-d8	8.72	98	610215	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.14	95	213293	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	

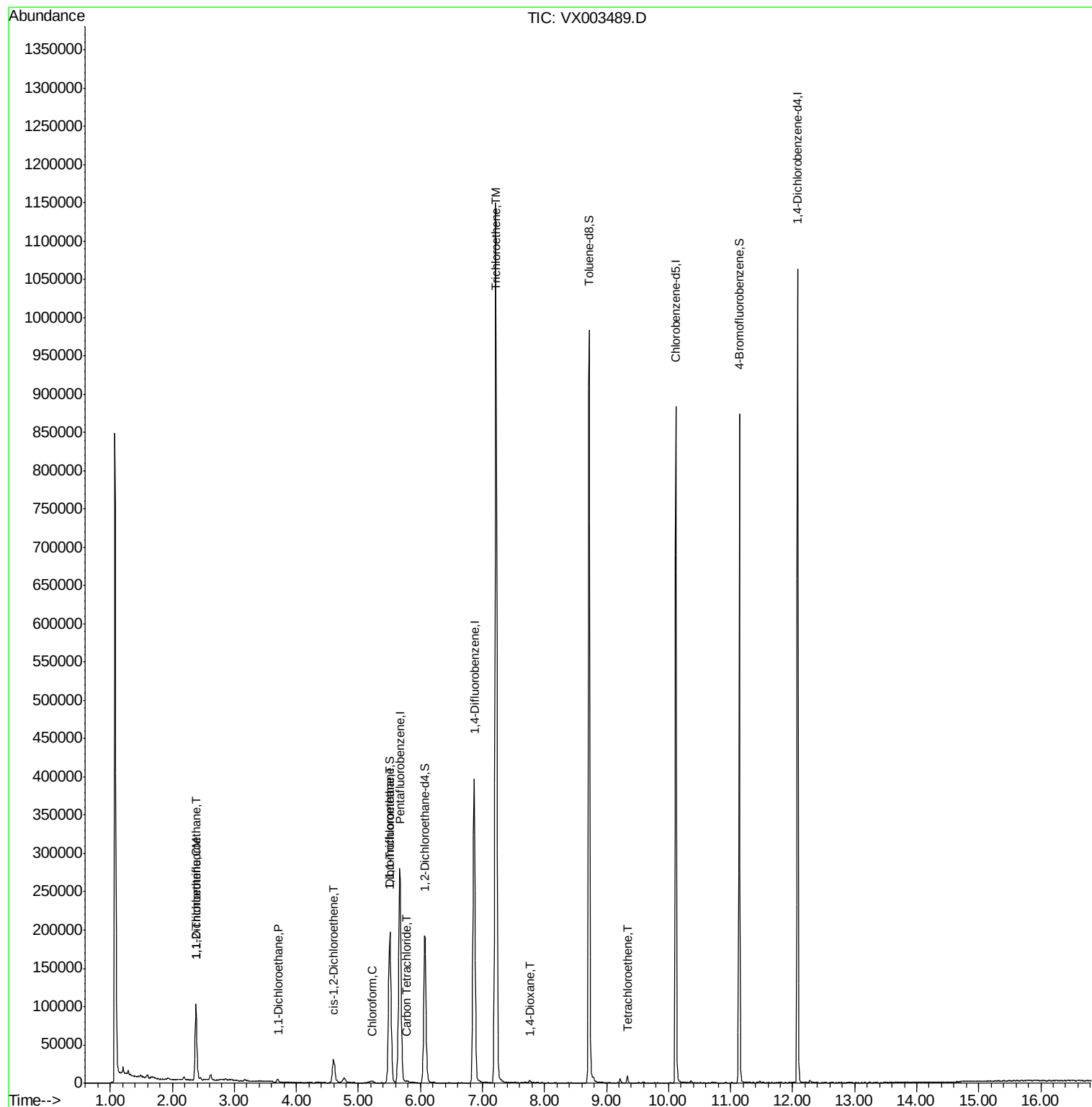
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29191	9.03	ug/l	96
12) 1,1-Dichloroethene	2.38	96	13125	4.41	ug/l	83
24) 1,1-Dichloroethane	3.70	63	4694	0.81	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	16279	4.41	ug/l	58
30) Chloroform	5.22	83	3086	0.54	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	2150	0.44	ug/l #	46
38) Carbon Tetrachloride	5.78	117	1564	0.36	ug/l	91
44) Trichloroethene	7.21	130	467390	115.63	ug/l	98
49) 1,4-Dioxane	7.76	88	1887	24.44	ug/l	94
64) Tetrachloroethene	9.34	164	1747	0.35	ug/l #	92

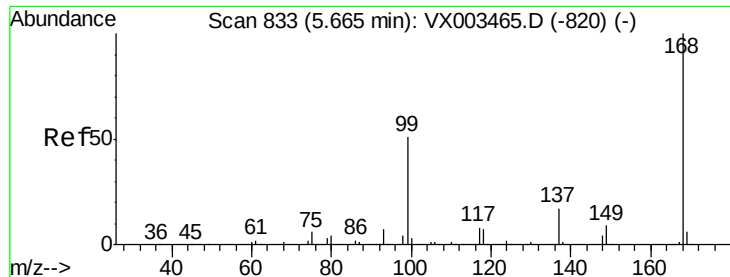
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 20 12:01:53 2018
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

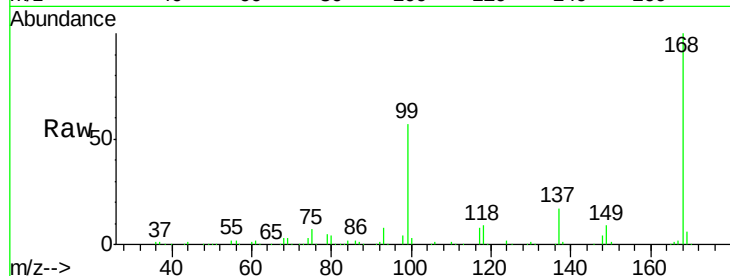
GW01-071118

Tot Ion:168 Resp: 291501

Ion Ratio Lower Upper

168 100

99 56.6 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

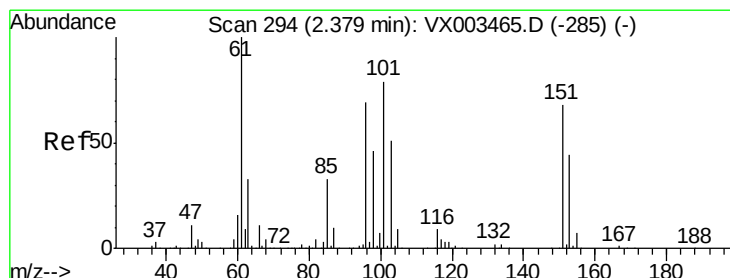
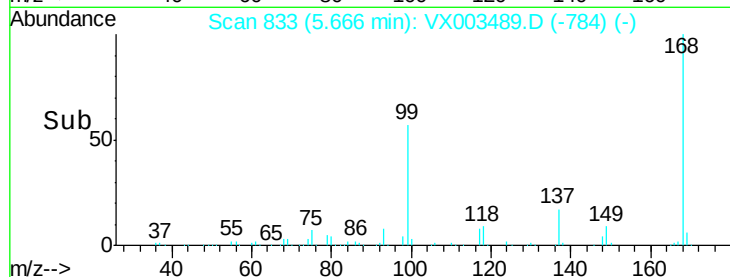
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.03 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

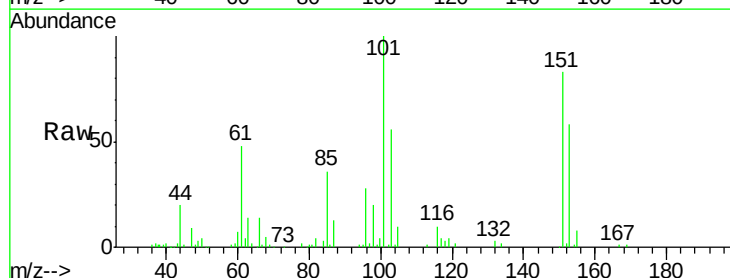
Tgt Ion:101 Resp: 29191

Ion Ratio Lower Upper

101 100

85 40.9 36.0 54.0

151 86.2 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.39

20000

15000

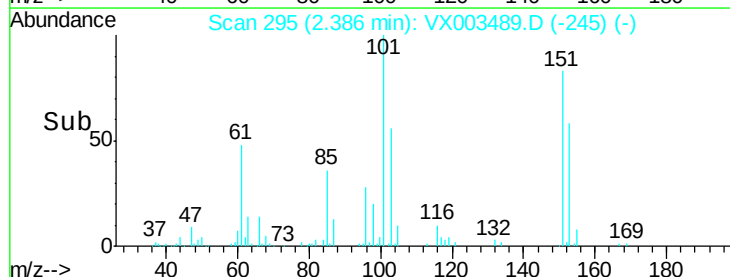
10000

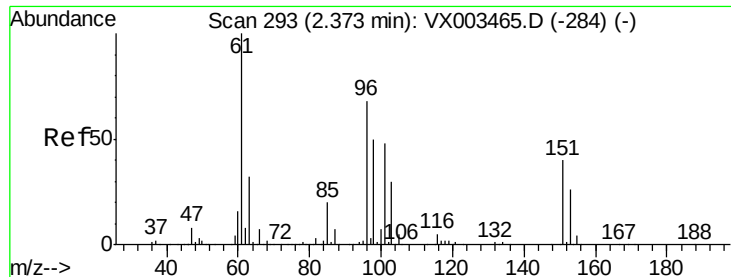
5000

0

Time-->

2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 4.41 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

GW01-071118

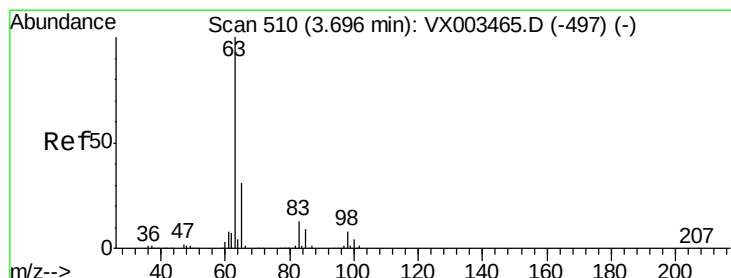
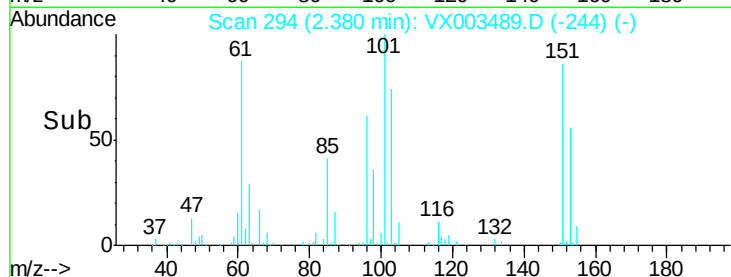
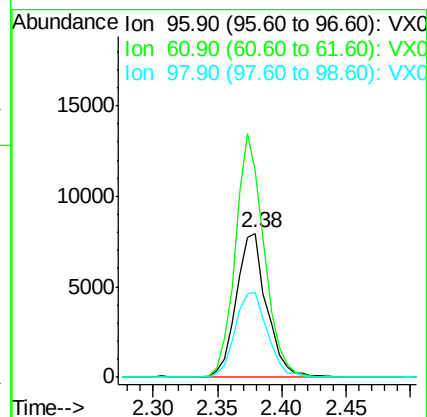
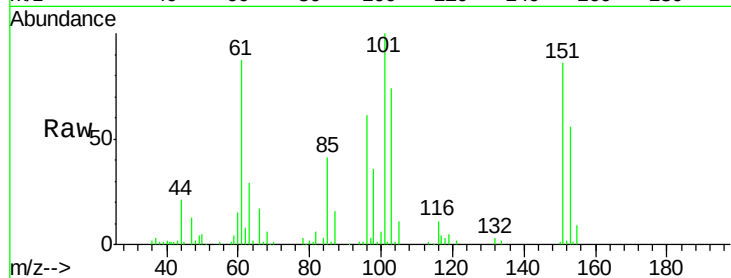
Tot Ion: 96 Resp: 13125

Ion Ratio Lower Upper

96 100

61 143.8 137.9 206.9

98 59.2 51.6 77.4



#24

1,1-Dichloroethane

Concen: 0.81 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

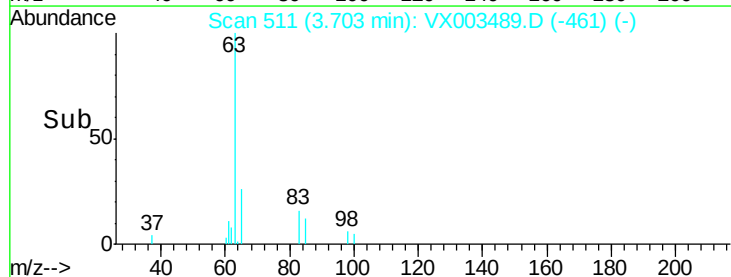
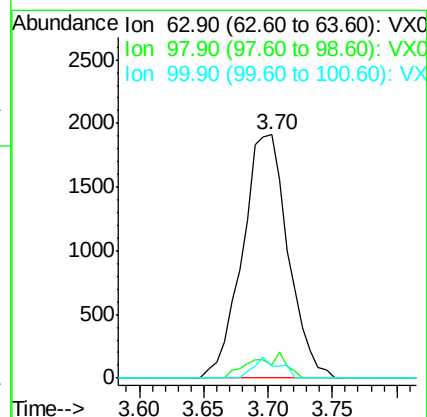
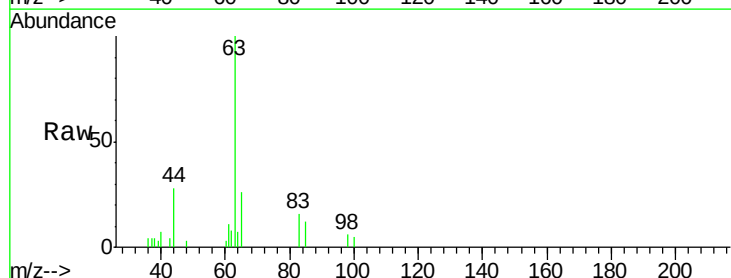
Tgt Ion: 63 Resp: 4694

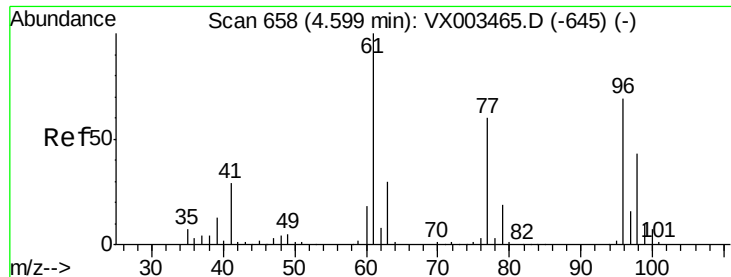
Ion Ratio Lower Upper

63 100

98 5.6 3.4 10.2

100 5.2 2.0 6.0





#27

cis-1,2-Dichloroethene

Concen: 4.41 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

GW01-071118

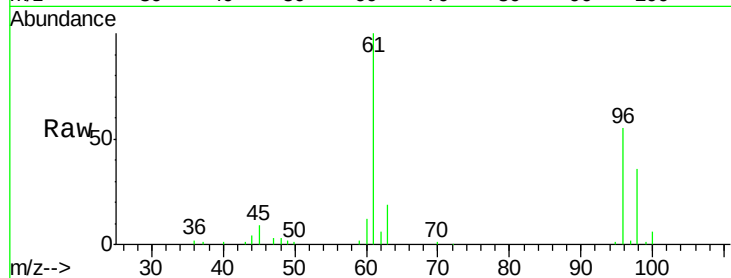
Tot Ion: 96 Resp: 16279

Ion Ratio Lower Upper

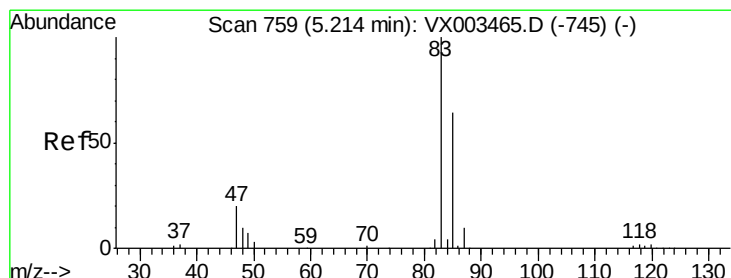
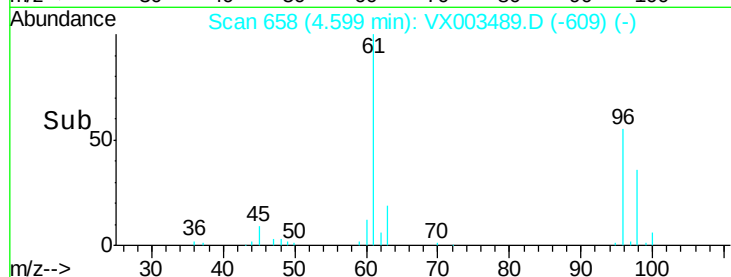
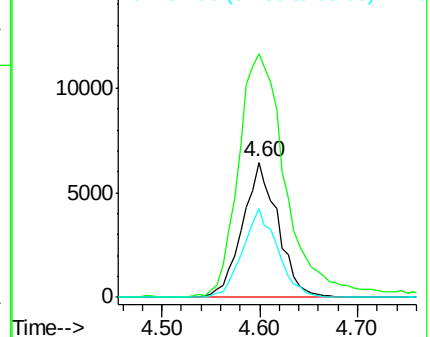
96 100

61 242.9 0.0 330.2

98 64.2 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#30

Chloroform

Concen: 0.54 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003489.D

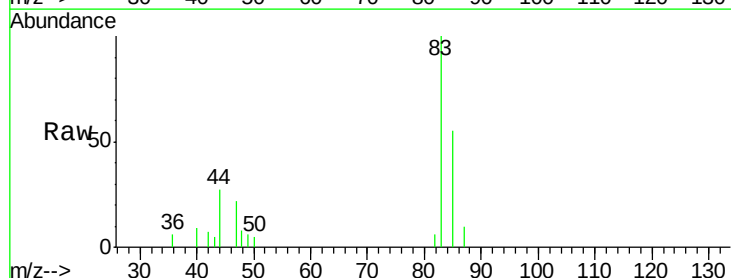
Acq: 20 Jul 2018 03:12

Tgt Ion: 83 Resp: 3086

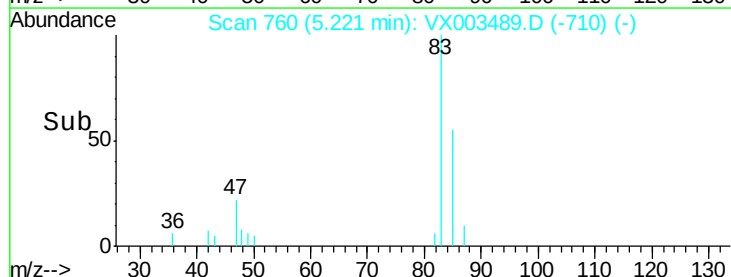
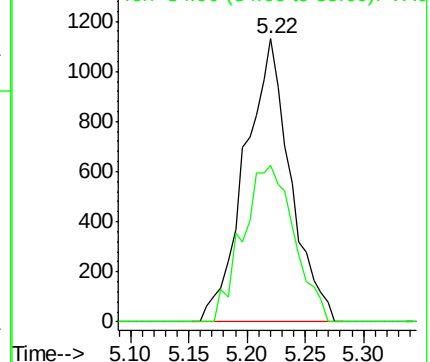
Ion Ratio Lower Upper

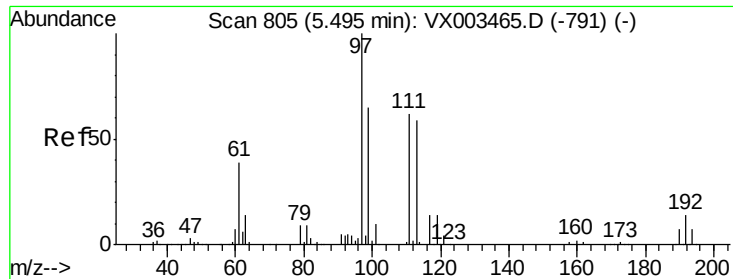
83 100

85 55.3 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.44 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

GW01-071118

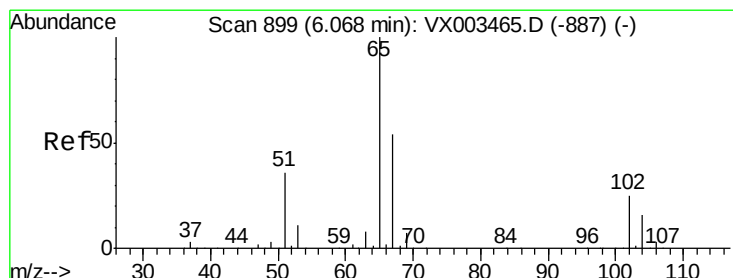
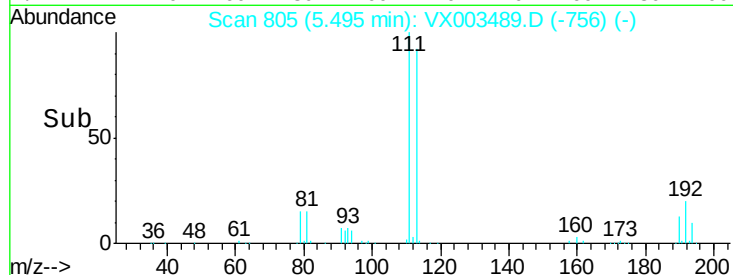
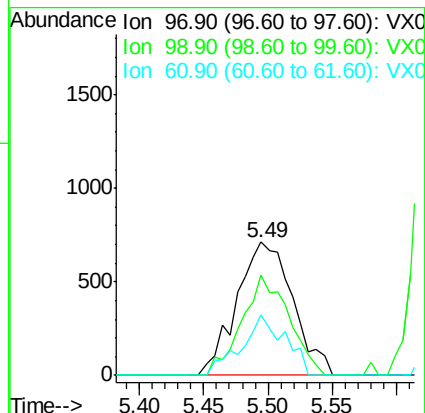
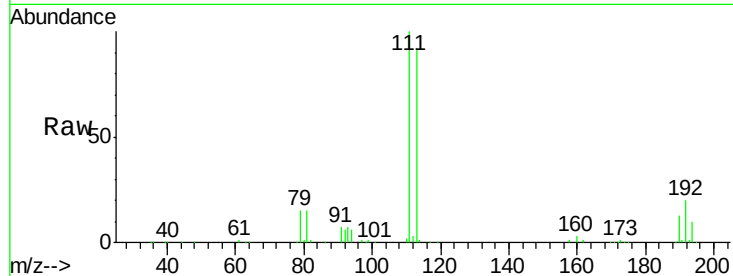
Tot Ion: 97 Resp: 2150

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 35.4 36.4 54.6#



#33

1,2-Dichloroethane-d4

Concen: 52.86 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003489.D

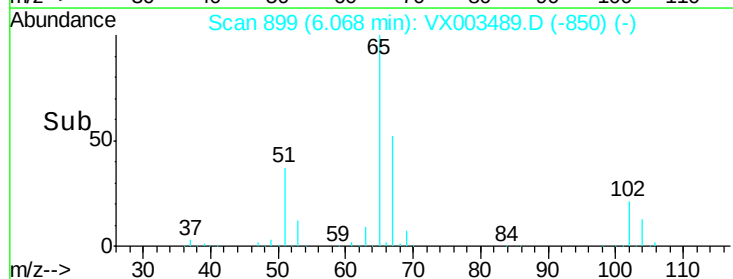
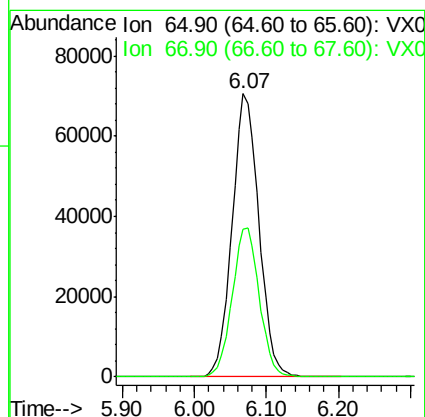
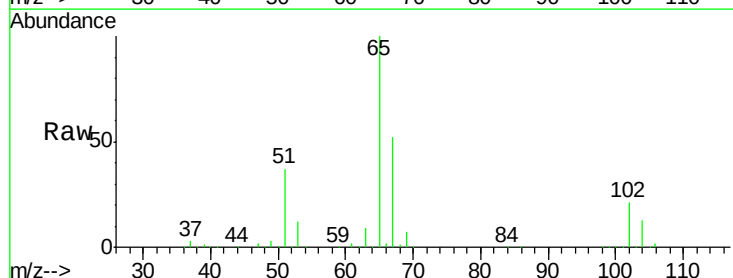
Acq: 20 Jul 2018 03:12

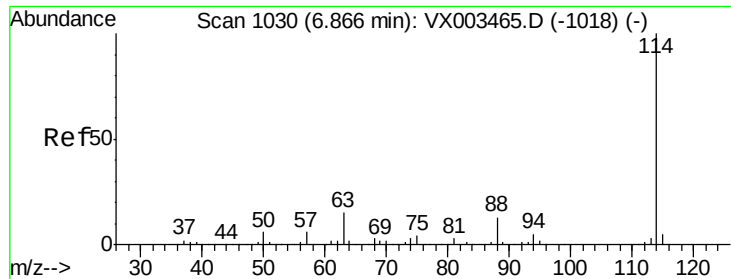
Tgt Ion: 65 Resp: 182400

Ion Ratio Lower Upper

65 100

67 53.1 0.0 102.6

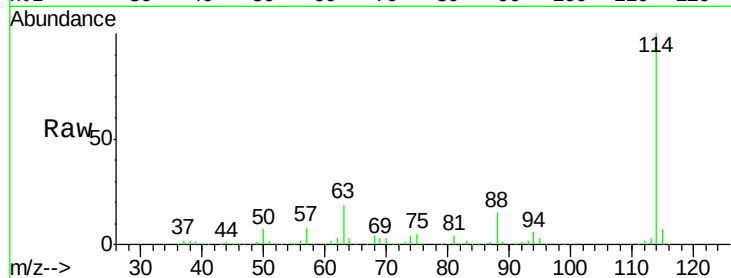




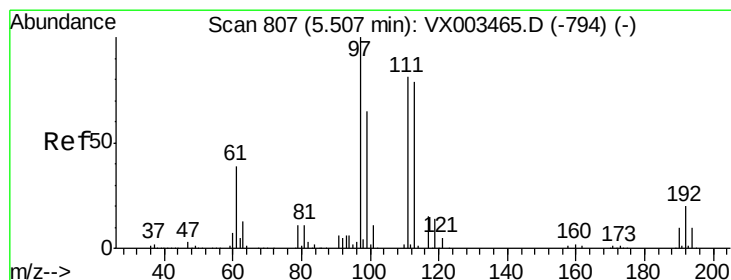
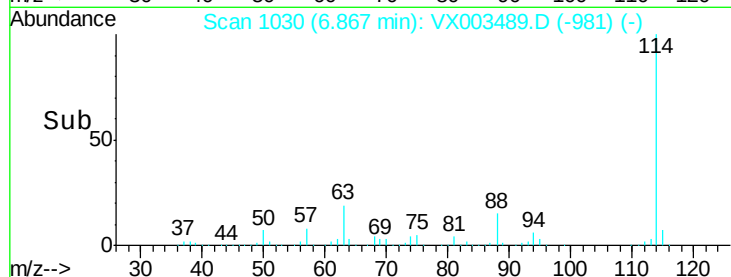
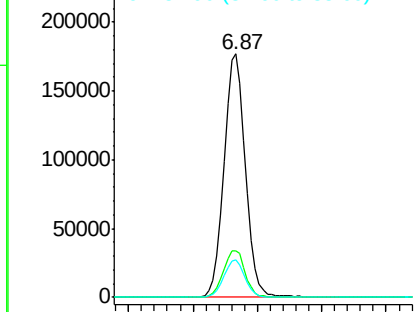
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003489.D
 Acq: 20 Jul 2018 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 GW01-071118

Tot Ion:114 Resp: 415781
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.3 0.0 30.0

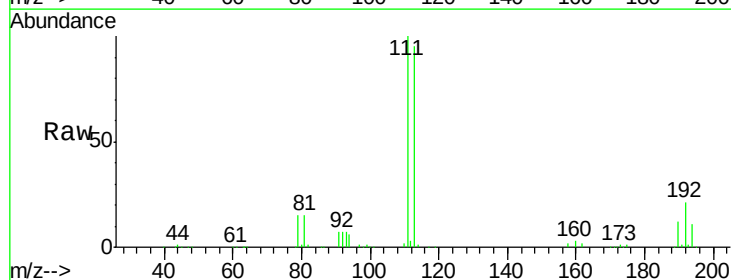


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

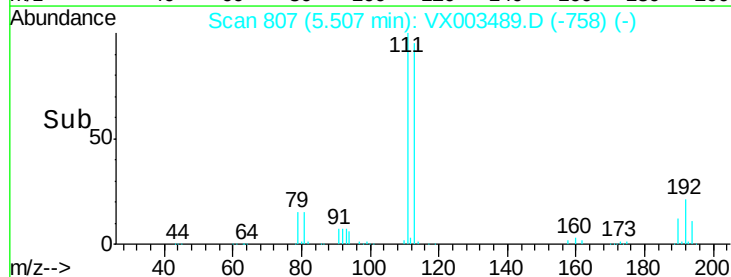
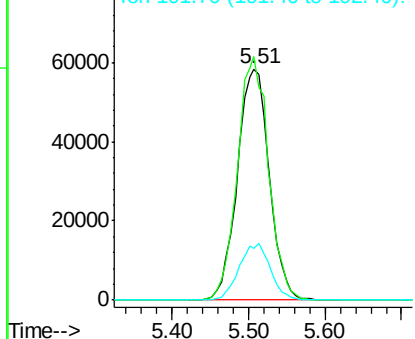


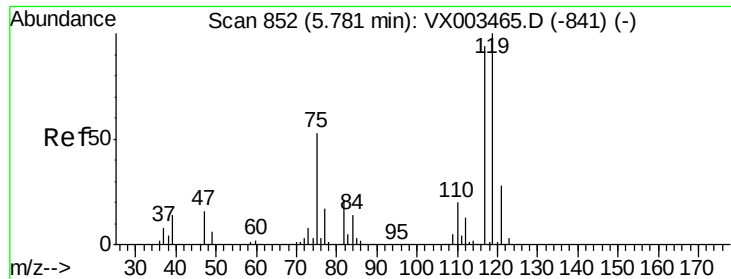
#35
 Dibromofluoromethane
 Concen: 53.32 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003489.D
 Acq: 20 Jul 2018 03:12

Tgt Ion:113 Resp: 168845
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.0
 192 24.1 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





#38

Carbon Tetrachloride

Concen: 0.36 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

GW01-071118

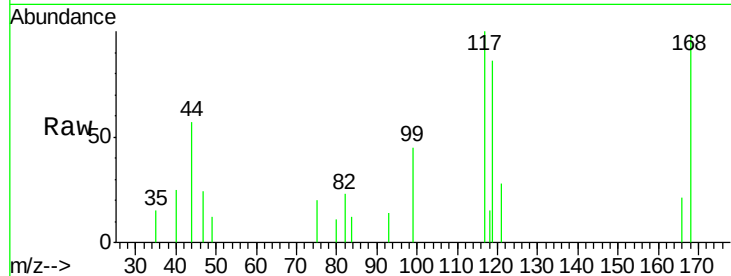
Tot Ion:117 Resp: 1564

Ion Ratio Lower Upper

117 100

119 86.0 77.4 116.0

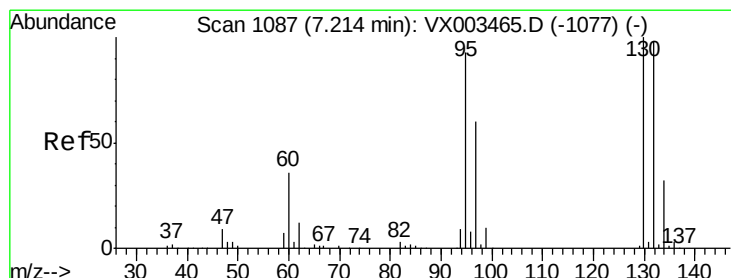
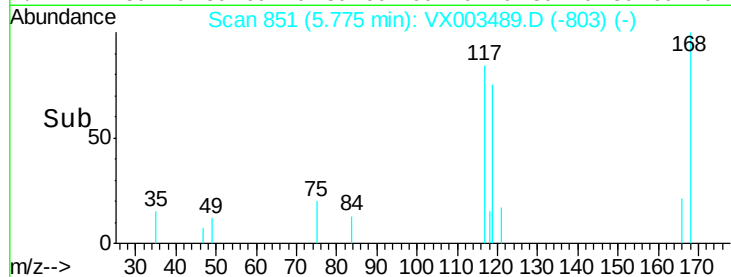
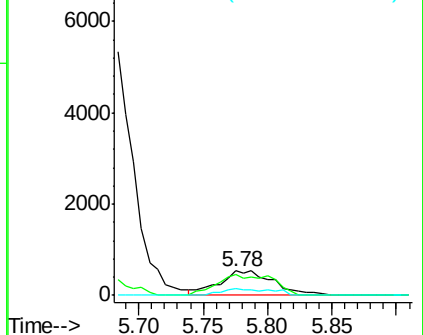
121 27.7 24.4 36.6



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



#44

Trichloroethene

Concen: 115.63 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003489.D

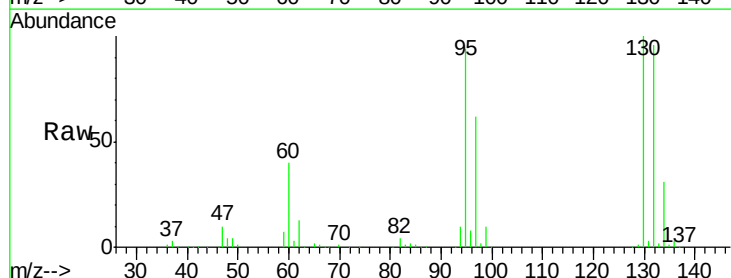
Acq: 20 Jul 2018 03:12

Tgt Ion:130 Resp: 467390

Ion Ratio Lower Upper

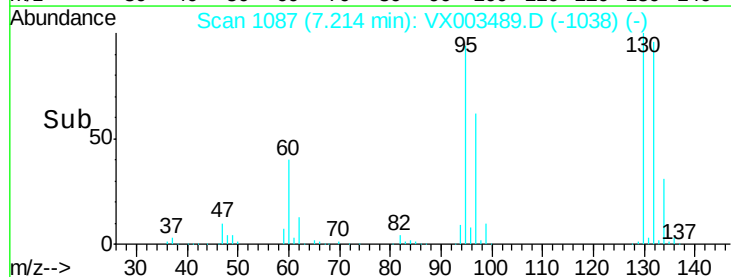
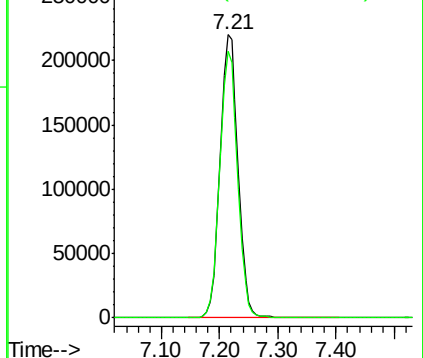
130 100

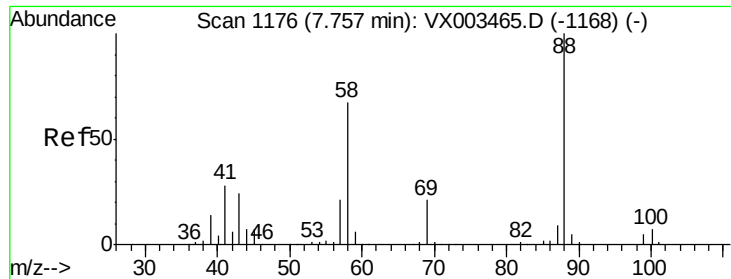
95 94.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

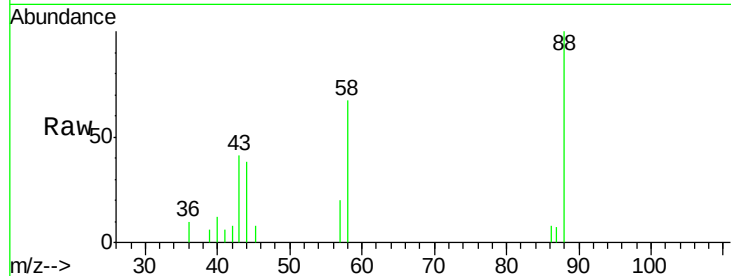




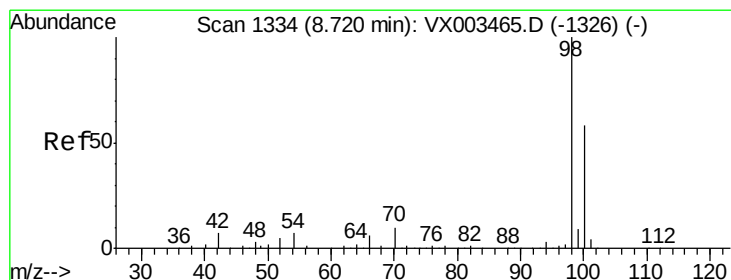
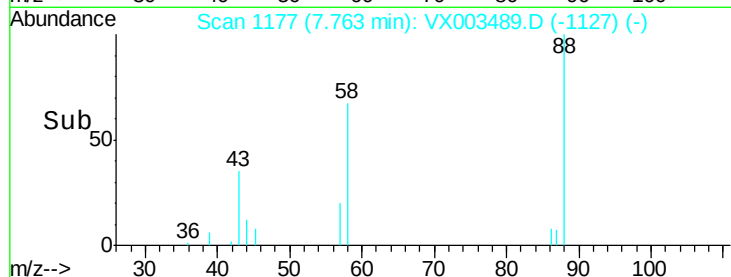
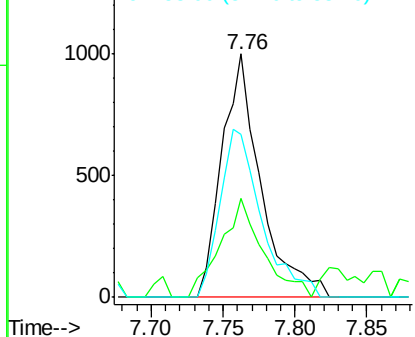
#49
1,4-Dioxane
Concen: 24.44 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003489.D
Acq: 20 Jul 2018 03:12

Instrument :
MSVOA_X
ClientSampleId :
GW01-071118

Tot Ion: 88 Resp: 1887
Ion Ratio Lower Upper
88 100
43 44.0 29.8 44.6
58 73.6 57.1 85.7

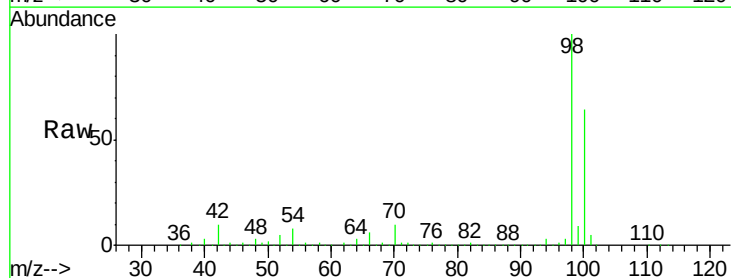


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

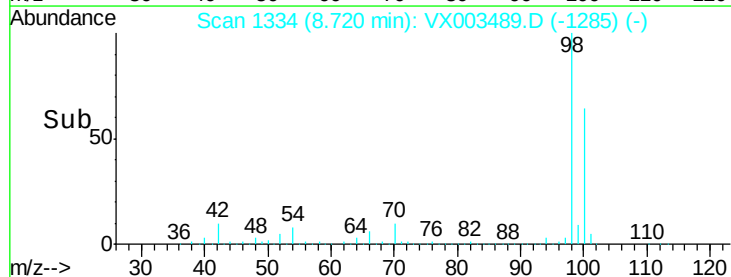
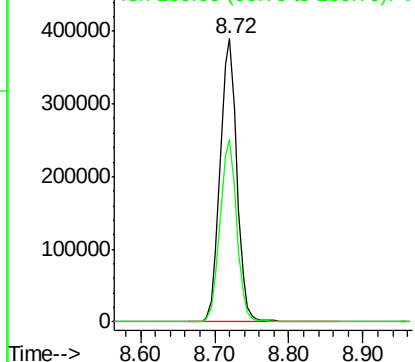


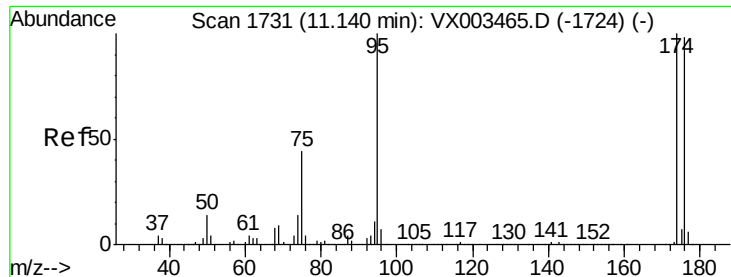
#50
Toluene-d8
Concen: 51.26 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003489.D
Acq: 20 Jul 2018 03:12

Tgt Ion: 98 Resp: 610215
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



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

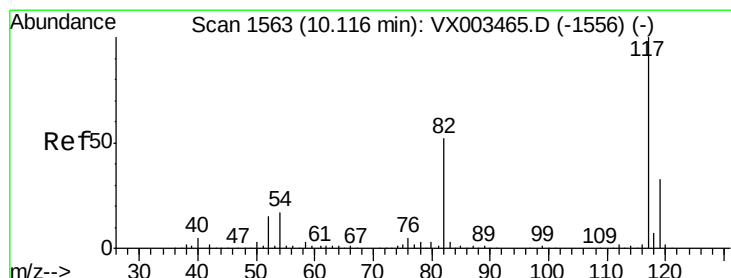
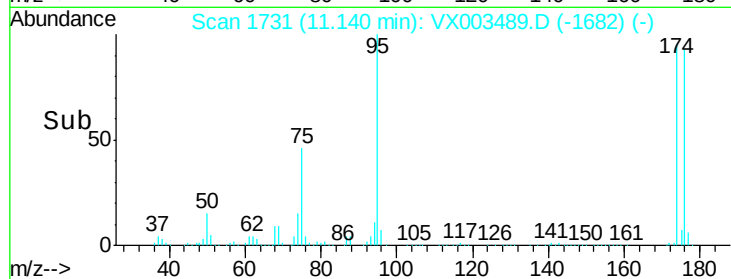
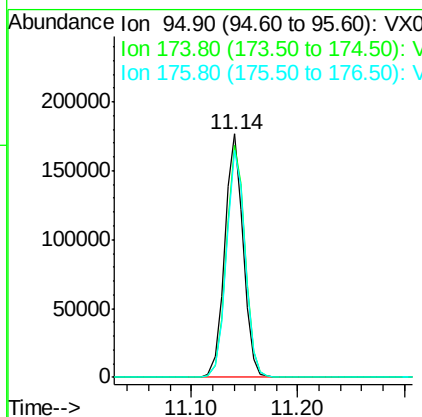
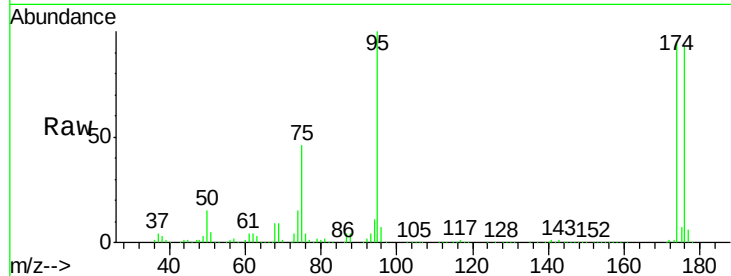




#62
4-Bromofluorobenzene
Concen: 49.10 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003489.D
Acq: 20 Jul 2018 03:12

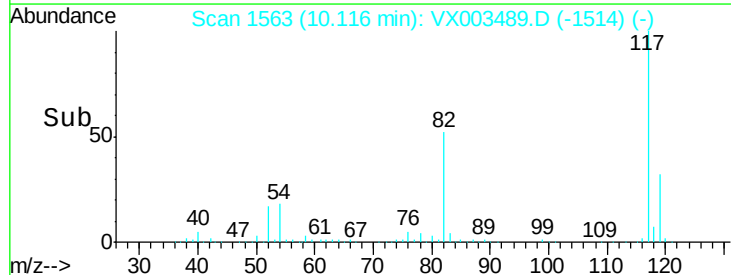
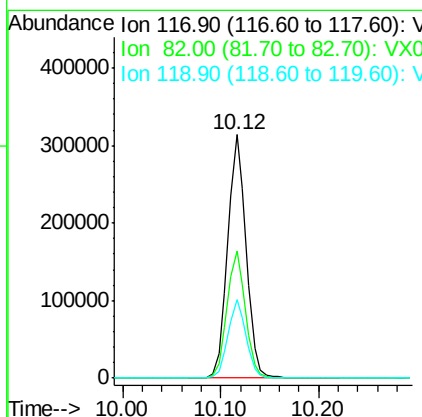
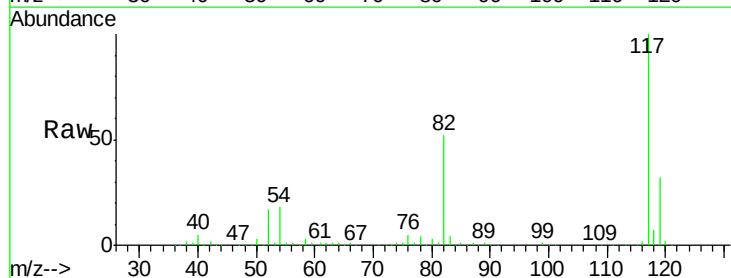
Instrument :
MSVOA_X
ClientSampleId :
GW01-071118

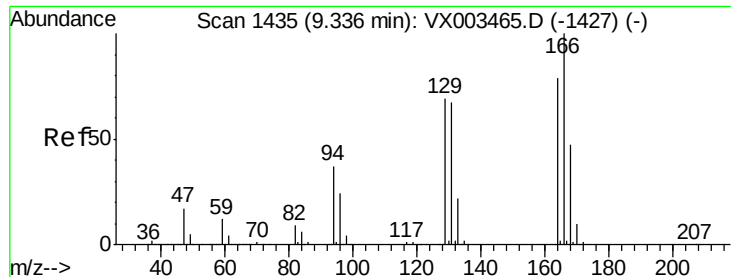
Tot Ion: 95 Resp: 213293
Ion Ratio Lower Upper
95 100
174 97.6 0.0 187.4
176 95.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003489.D
Acq: 20 Jul 2018 03:12

Tgt Ion: 117 Resp: 409644
Ion Ratio Lower Upper
117 100
82 52.0 45.0 67.4
119 32.1 25.8 38.6





#64

Tetrachloroethene

Concen: 0.35 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

Instrument :

MSVOA_X

ClientSampleId :

GW01-071118

Tot Ion:164 Resp: 1747

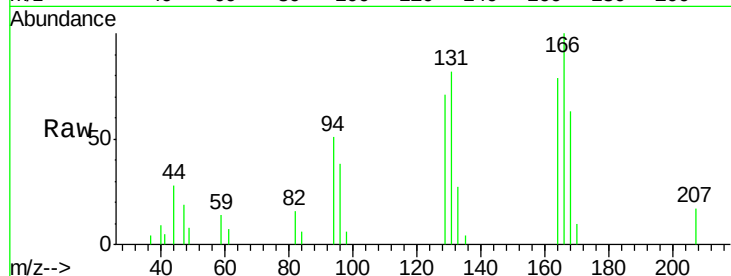
Ion Ratio Lower Upper

164 100

166 126.7 102.9 154.3

129 90.5 68.6 102.8

131 103.7 66.8 100.2#

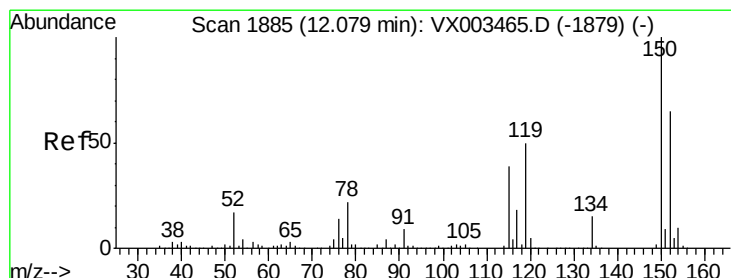
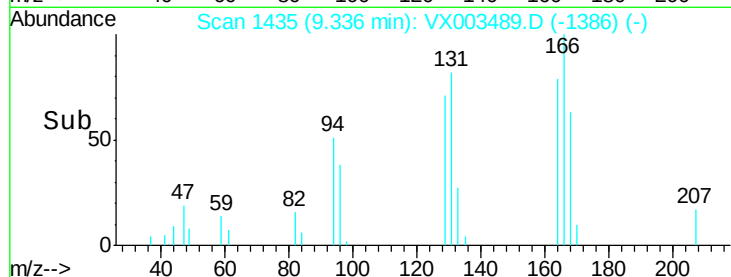
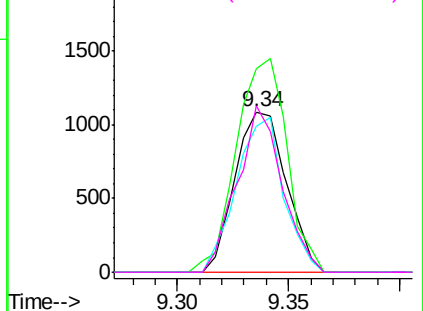


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003489.D

Acq: 20 Jul 2018 03:12

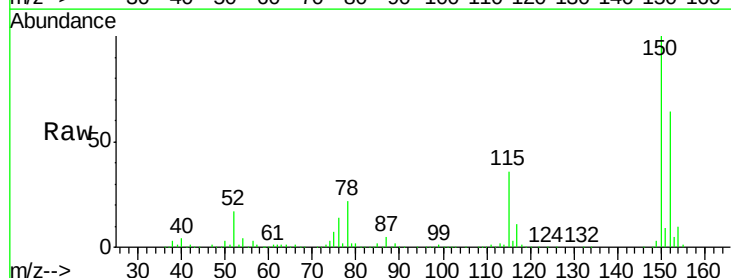
Tgt Ion:152 Resp: 231842

Ion Ratio Lower Upper

152 100

115 54.6 40.1 120.2

150 157.1 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

