

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011229.D
 Acq On : 31 Jul 2019 05:21
 Operator : JC/SP
 Sample : K4045-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW7-20190726-QC

Quant Time: Jul 31 08:49:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130681	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109802	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.16%		
35) Dibromofluoromethane	5.50	113	94870	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.78%		
50) Toluene-d8	8.71	98	368607	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.16%		
62) 4-Bromofluorobenzene	11.13	95	122874	44.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.12%		

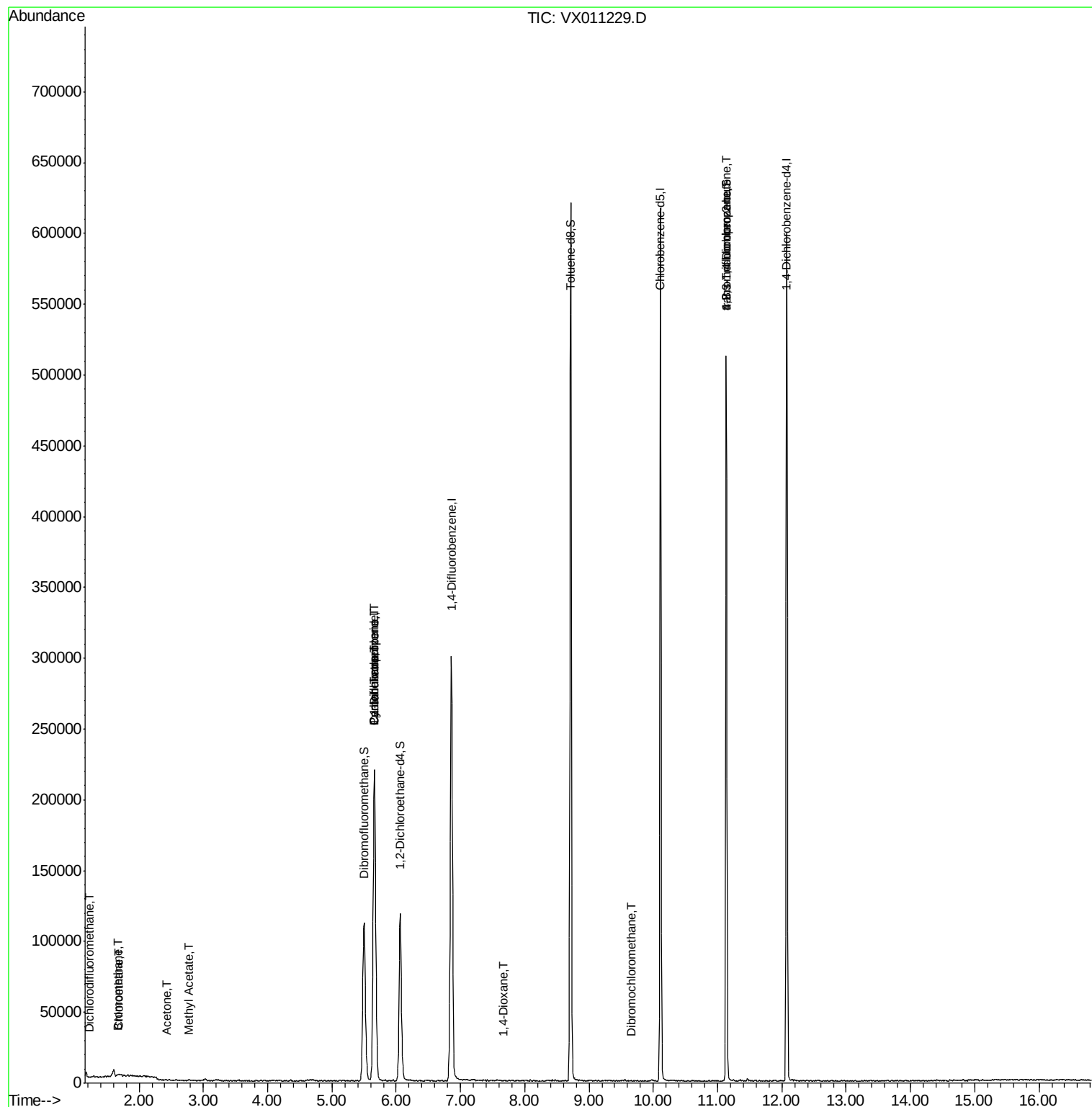
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.22	85	19	0.554	ug/l #	43
5) Bromomethane	1.67	94	332	0.283	ug/l #	32
6) Chloroethane	1.69	64	329	0.249	ug/l #	82
16) Acetone	2.43	43	598	0.562	ug/l #	40
18) Methyl Acetate	2.77	43	1145	0.472	ug/l	90
31) Cyclohexane	5.66	56	4324	1.351	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15035	5.743	ug/l #	39
38) Carbon Tetrachloride	5.66	117	20496	7.513	ug/l #	18
49) 1,4-Dioxane	7.66	88	19	0.316	ug/l #	1
60) Dibromochloromethane	9.67	129	21	2.536	ug/l	85
76) 1,2,3-Trichloropropane	11.13	75	62383	26.454	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	62383	65.667	ug/l #	11

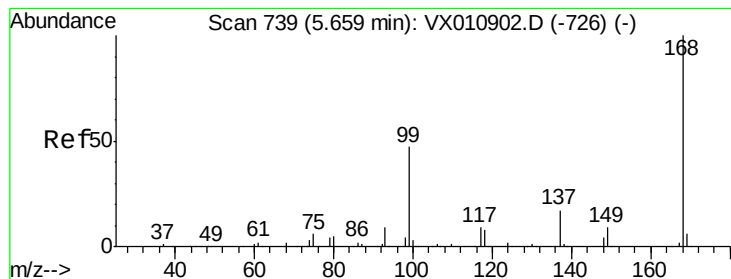
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

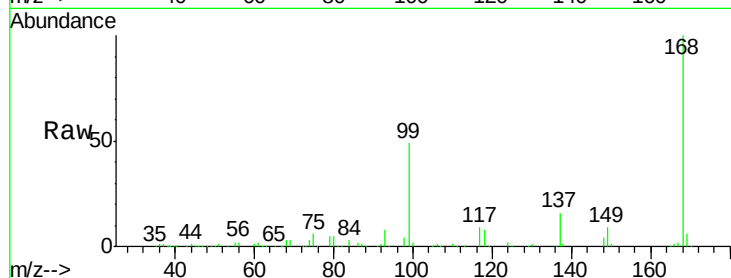
GW7-20190726-QC

Tgt Ion: 168 Resp: 221585

Ion Ratio Lower Upper

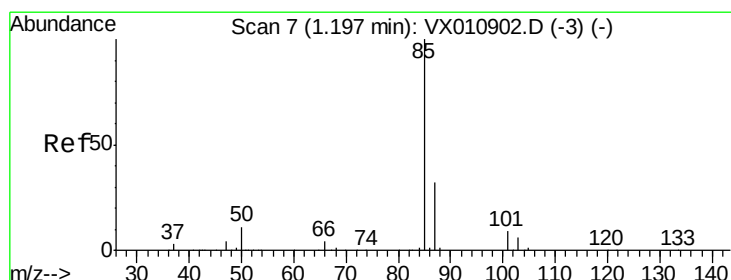
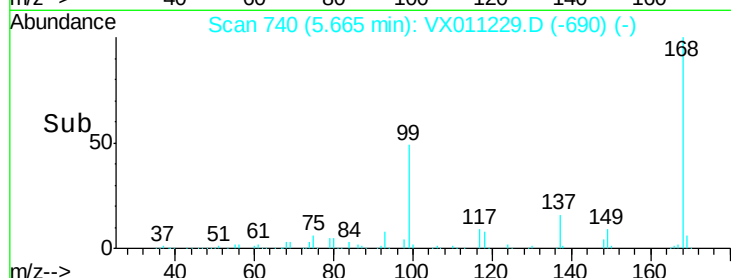
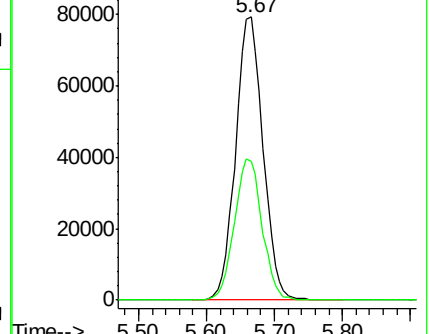
168 100

99 49.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.554 ug/l

RT: 1.22 min Scan# 11

Delta R.T. 0.02 min

Lab File: VX011229.D

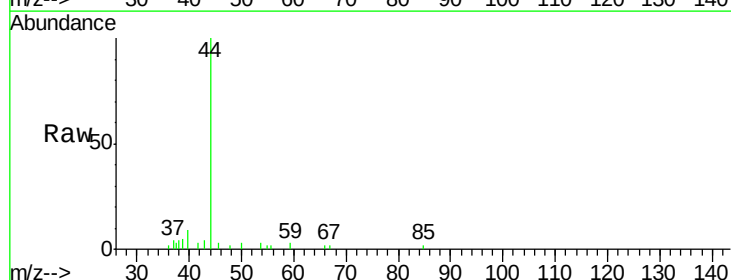
Acq: 31 Jul 2019 05:21

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

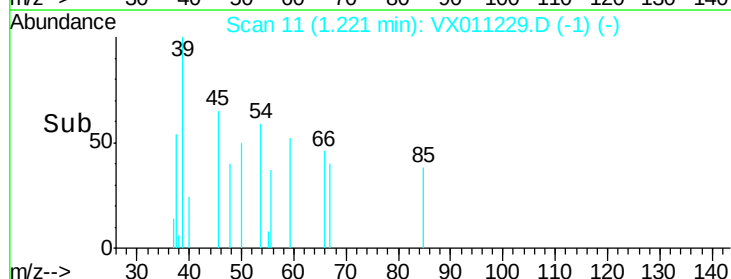
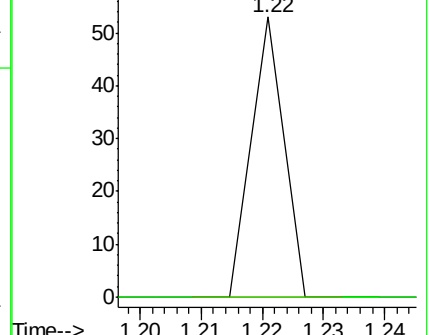
85 100

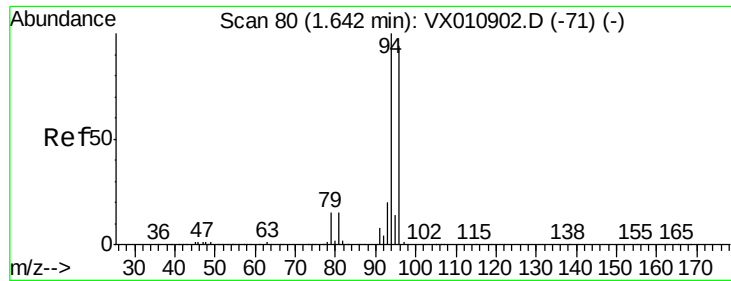
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

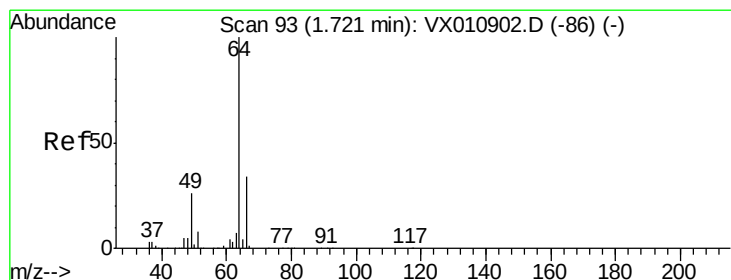
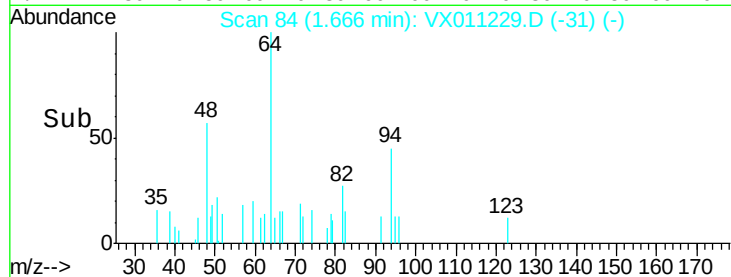
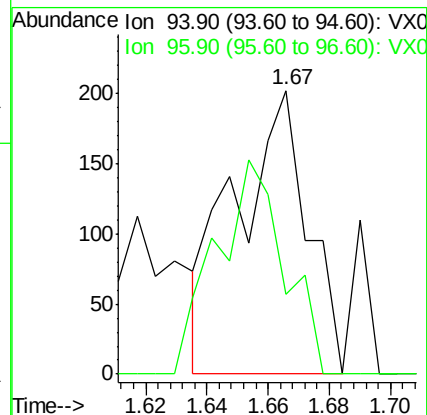
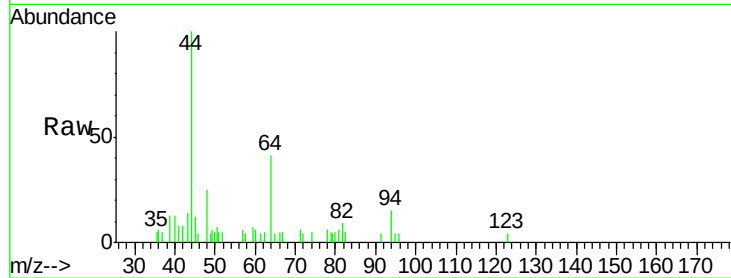
GW7-20190726-QC

Tgt Ion: 94 Resp: 332

Ion Ratio Lower Upper

94 100

96 28.2 75.6 113.4#



#6

Chloroethane

Concen: 0.249 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX011229.D

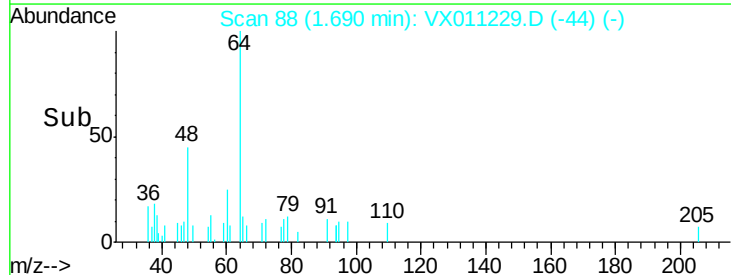
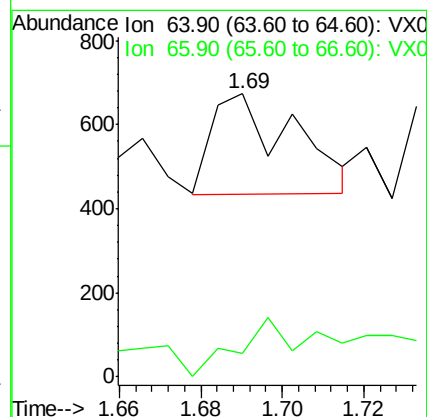
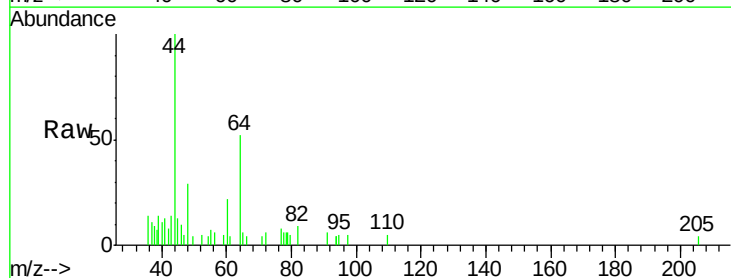
Acq: 31 Jul 2019 05:21

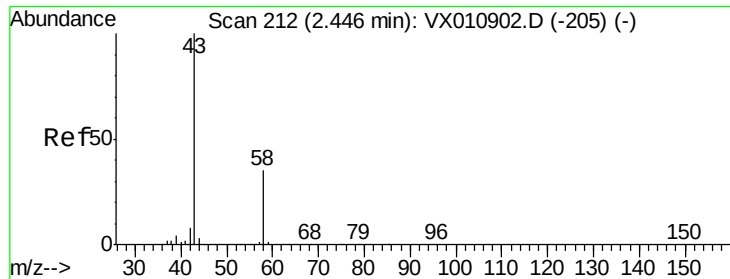
Tgt Ion: 64 Resp: 329

Ion Ratio Lower Upper

64 100

66 23.7 27.0 40.6#





#16

Acetone

Concen: 0.562 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

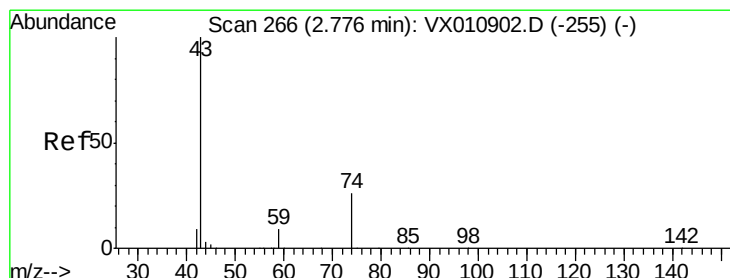
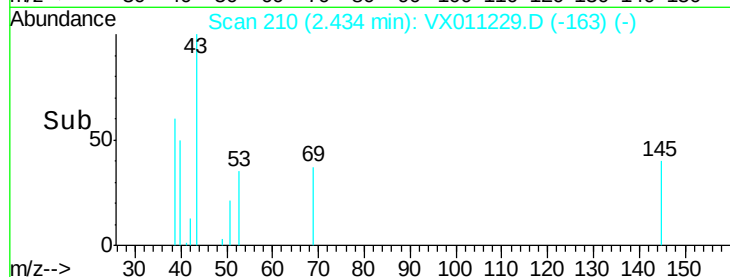
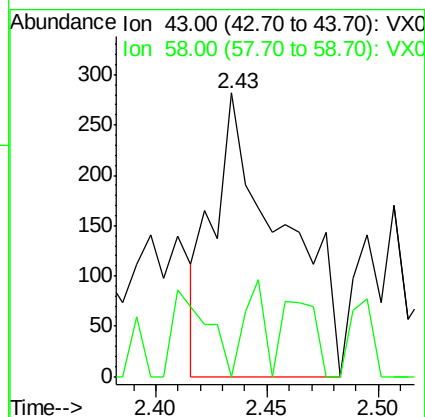
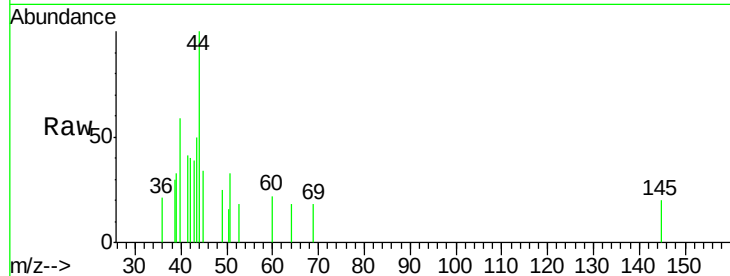
GW7-20190726-QC

Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

58 0.0 27.7 41.5#



#18

Methyl Acetate

Concen: 0.472 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX011229.D

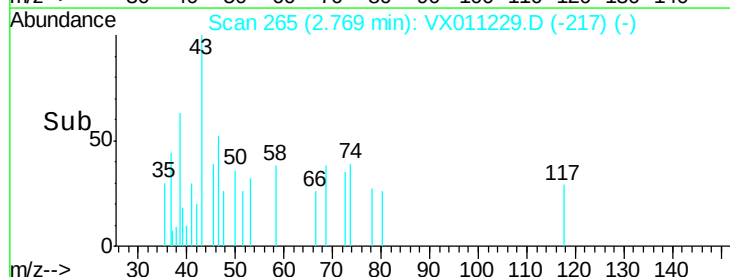
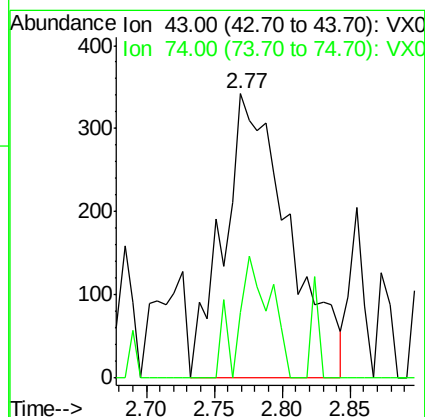
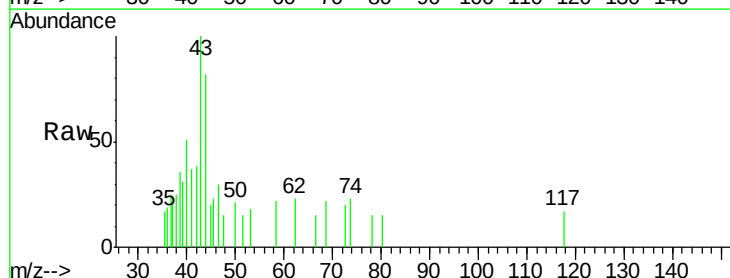
Acq: 31 Jul 2019 05:21

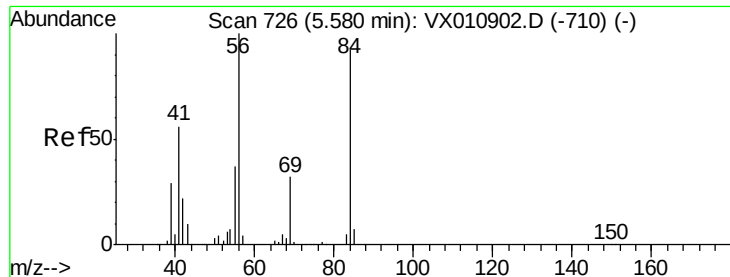
Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

74 21.7 21.5 32.3

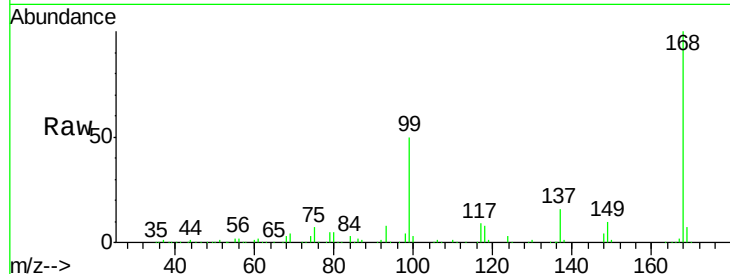




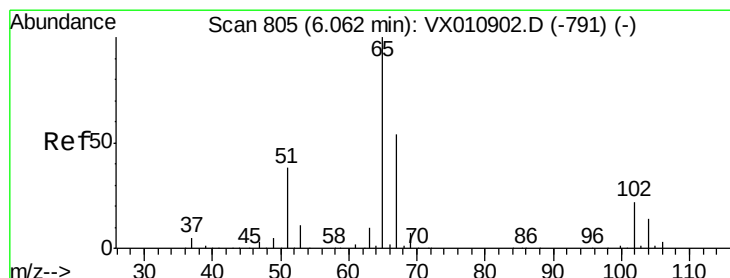
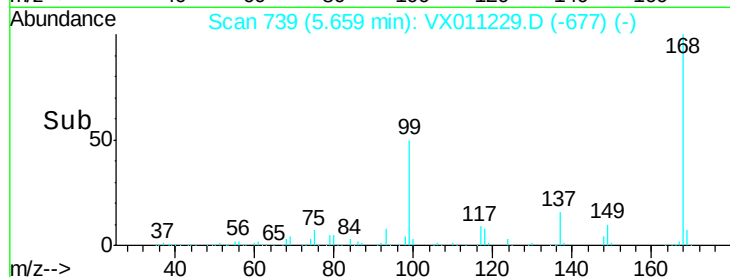
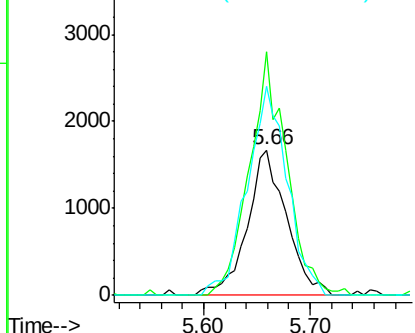
#31
Cyclohexane
Concen: 1.351 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX011229.D
Acq: 31 Jul 2019 05:21

Instrument :
MSVOA_X
ClientSampleId :
GW7-20190726-QC

Tgt Ion: 56 Resp: 4324
Ion Ratio Lower Upper
56 100
69 167.4 25.8 38.8#
84 143.7 73.8 110.6#

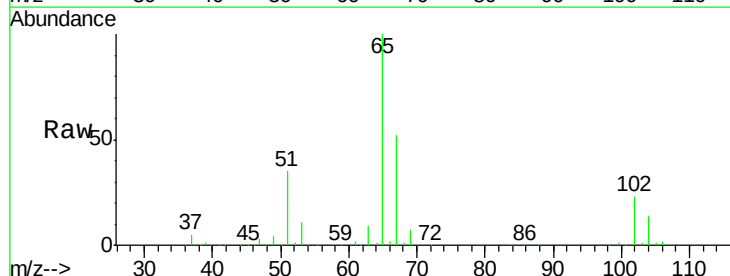


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

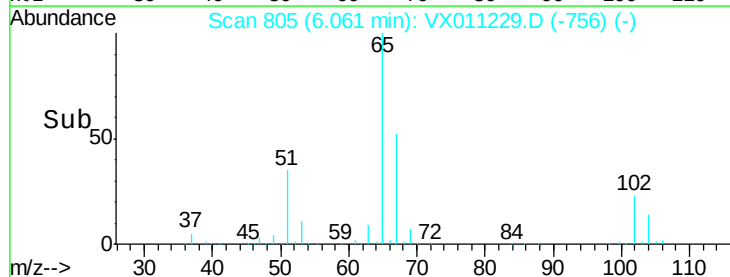
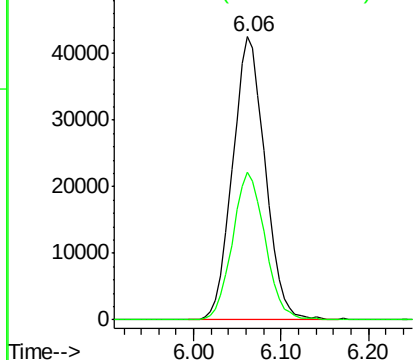


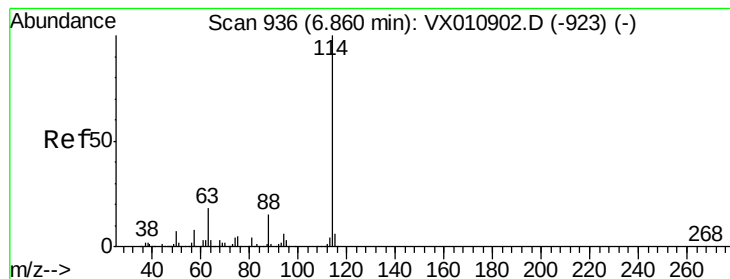
#33
1,2-Dichloroethane-d4
Concen: 46.579 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX011229.D
Acq: 31 Jul 2019 05:21

Tgt Ion: 65 Resp: 109802
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

GW7-20190726-QC

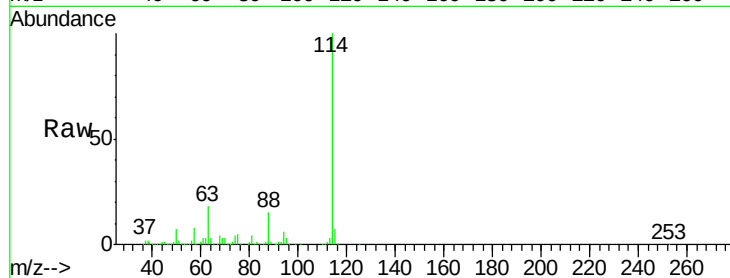
Tgt Ion:114 Resp: 318737

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

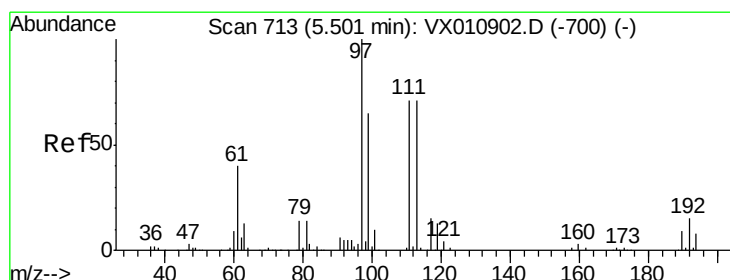
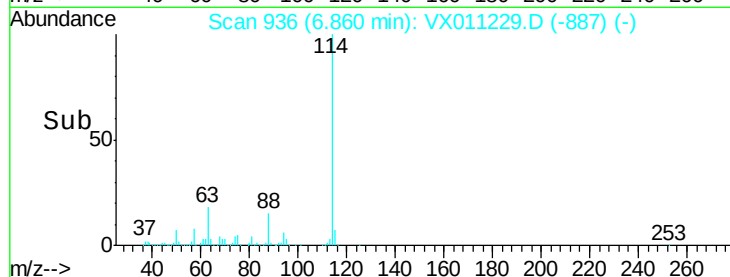
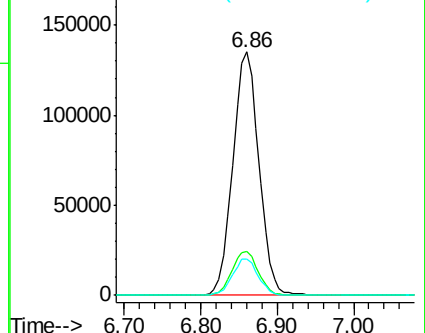
88 14.7 0.0 29.8



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: 46.894 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

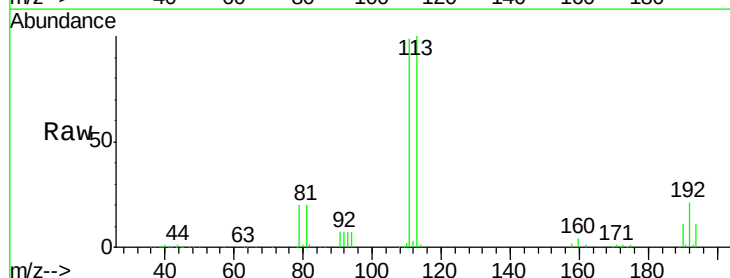
Tgt Ion:113 Resp: 94870

Ion Ratio Lower Upper

113 100

111 101.4 82.3 123.5

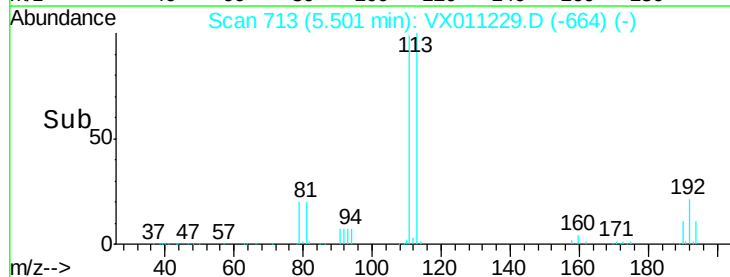
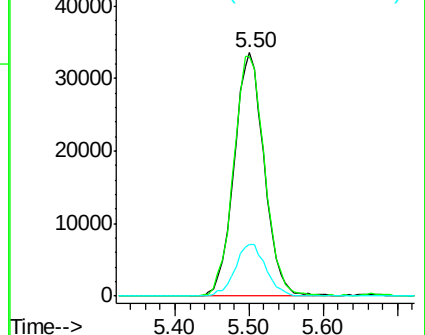
192 21.8 17.4 26.2

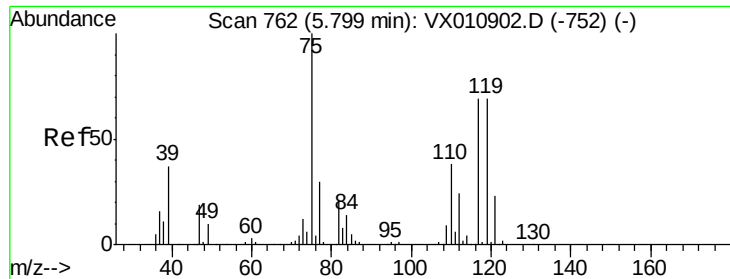


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

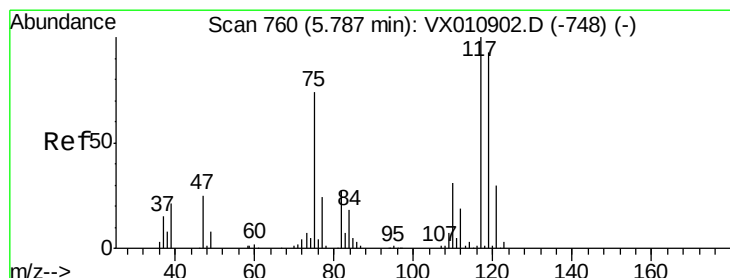
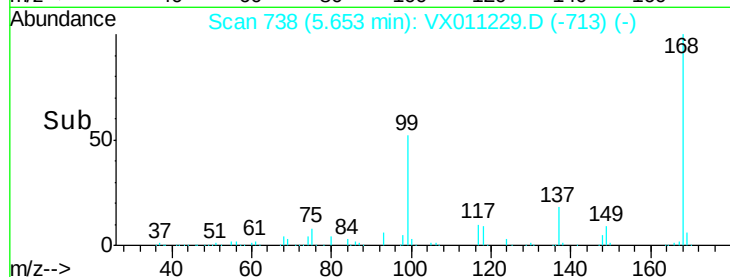
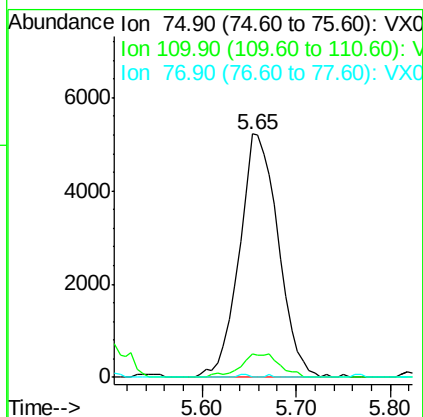
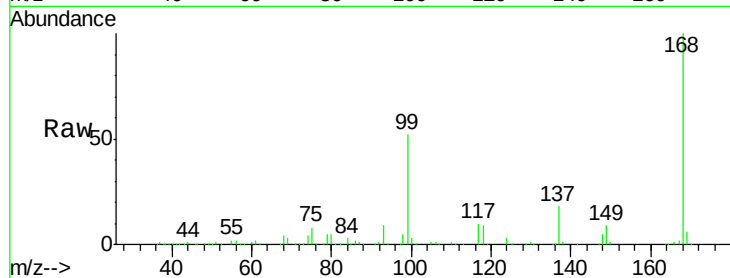




#36
 1,1-Dichloropropene
 Concen: 5.743 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011229.D
 Acq: 31 Jul 2019 05:21

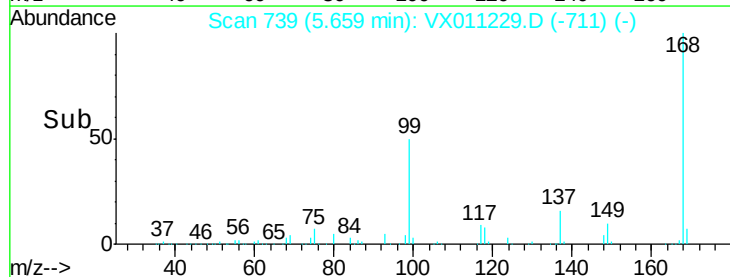
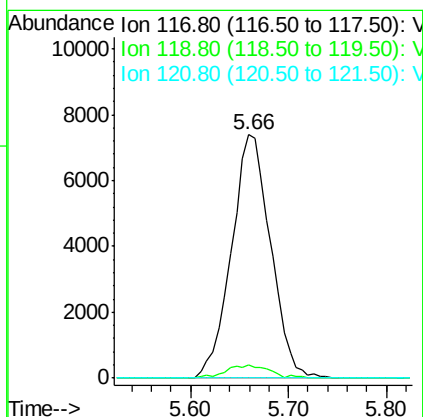
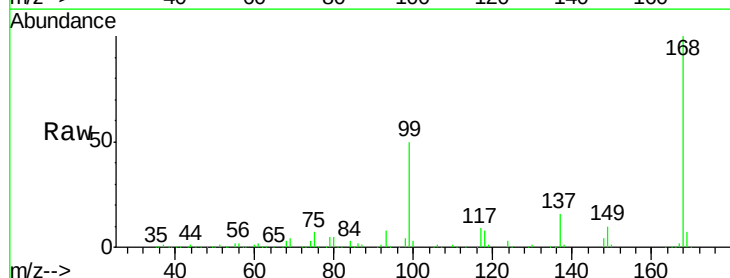
Instrument :
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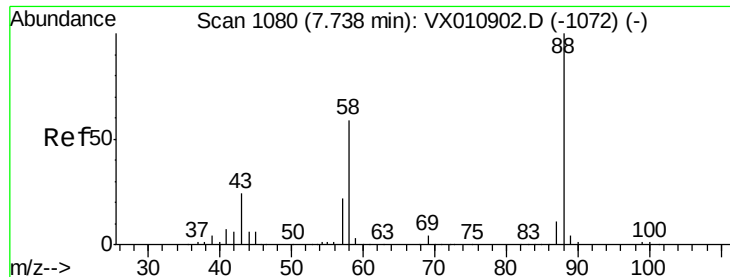
Tgt Ion: 75 Resp: 15035
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.9 59.7#
 77 0.3 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.513 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011229.D
 Acq: 31 Jul 2019 05:21

Tgt Ion: 117 Resp: 20496
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.2 111.2#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.316 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.07 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

GW7-20190726-QC

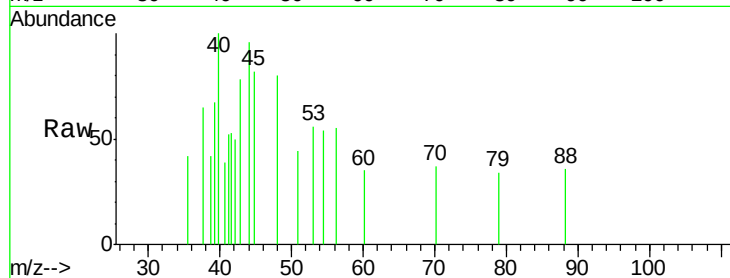
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 936.8 22.9 34.3#

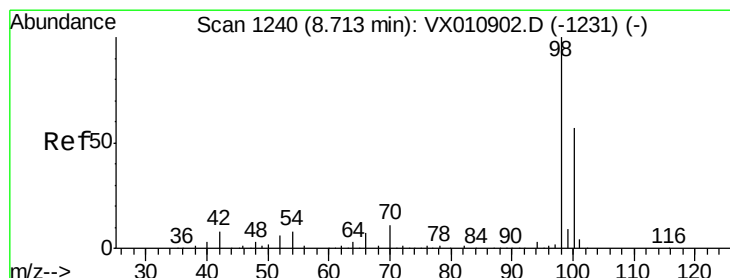
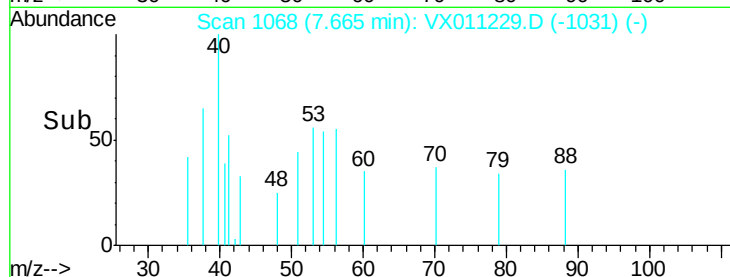
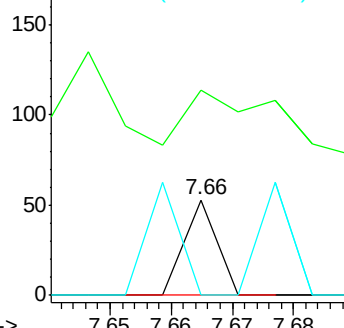
58 121.1 49.8 74.8#



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: 48.578 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011229.D

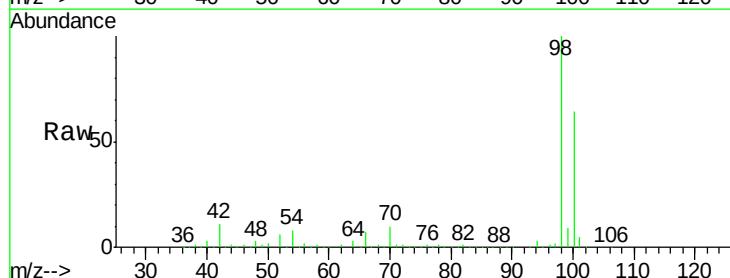
Acq: 31 Jul 2019 05:21

Tgt Ion: 98 Resp: 368607

Ion Ratio Lower Upper

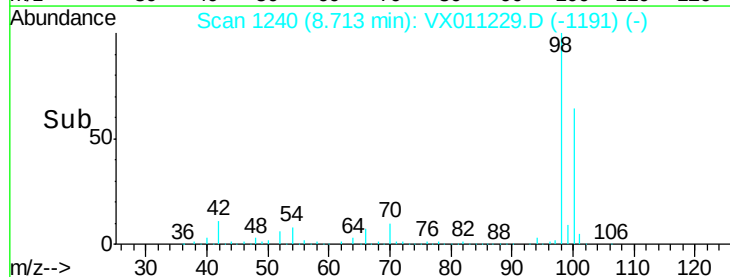
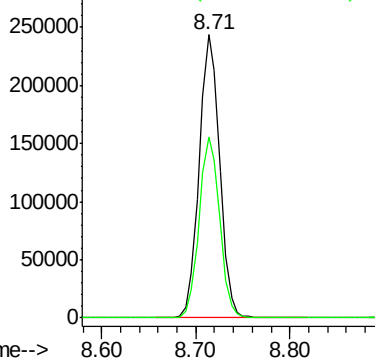
98 100

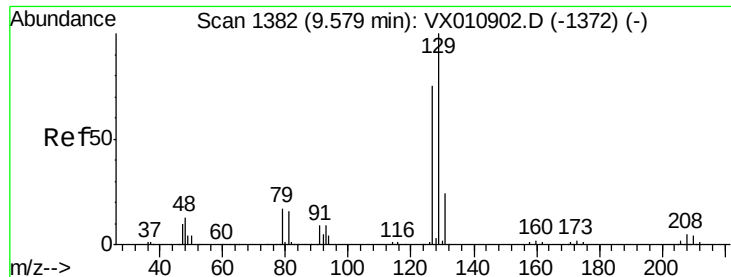
100 63.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.09 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

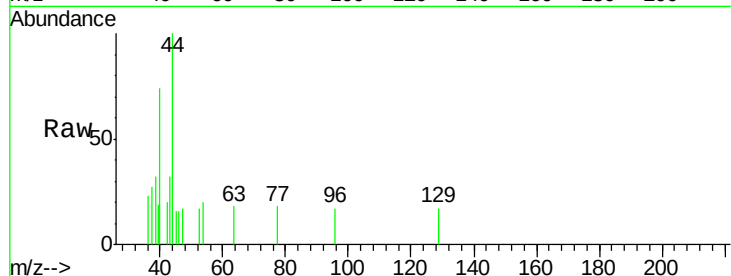
GW7-20190726-QC

Tgt Ion:129 Resp: 21

Ion Ratio Lower Upper

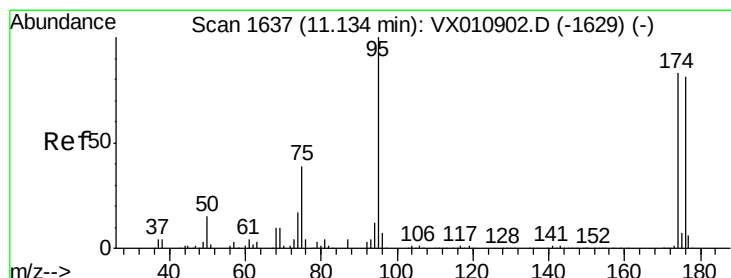
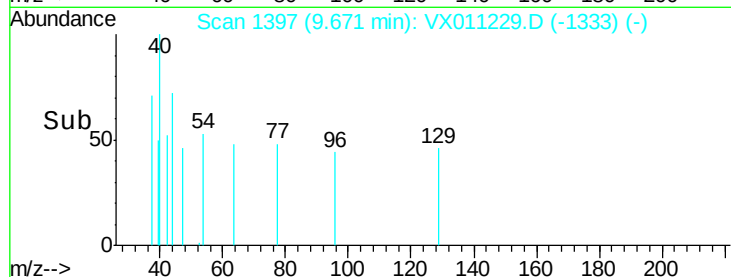
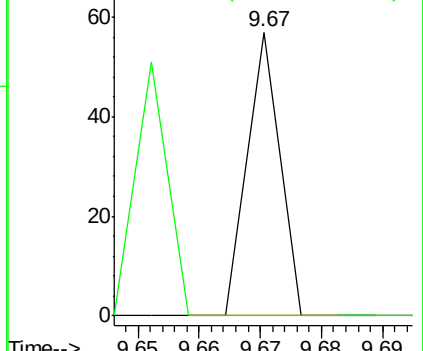
129 100

127 90.5 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

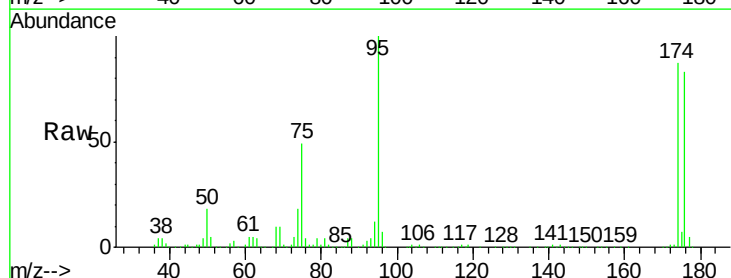
Tgt Ion: 95 Resp: 122874

Ion Ratio Lower Upper

95 100

174 92.0 0.0 180.6

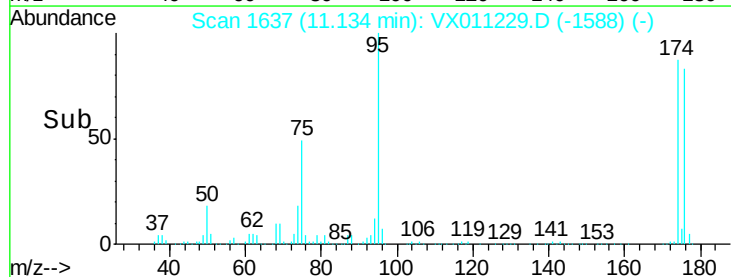
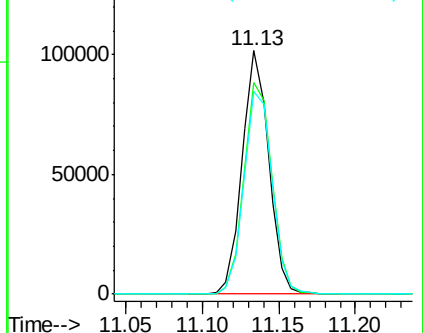
176 88.7 0.0 173.8

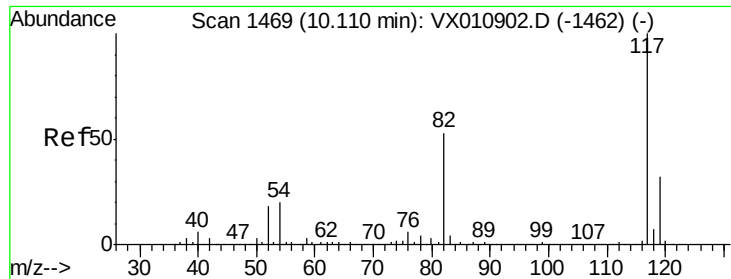


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

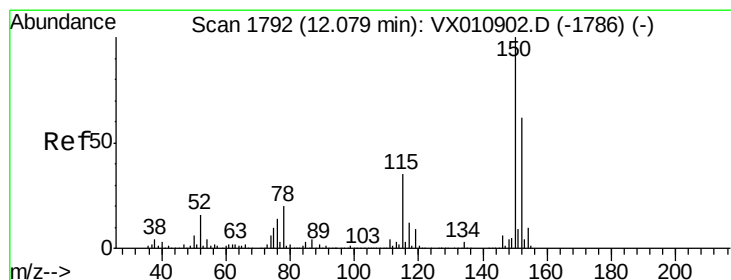
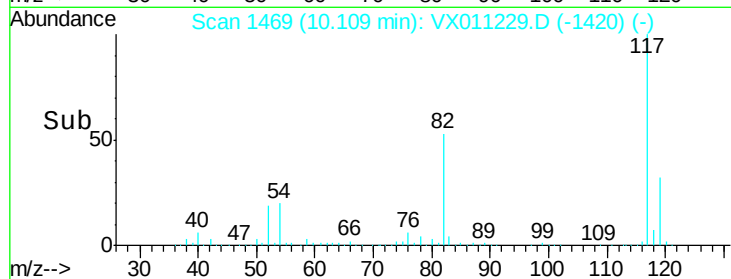
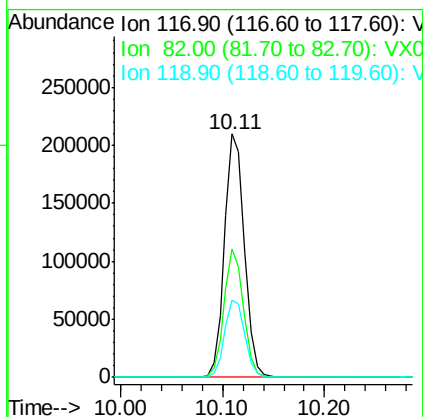
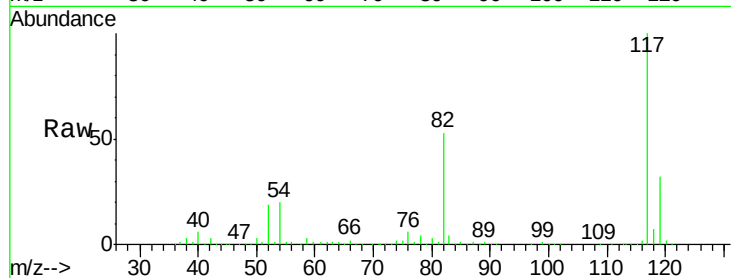




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011229.D
Acq: 31 Jul 2019 05:21

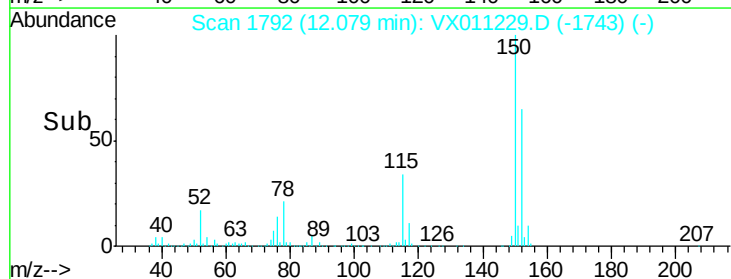
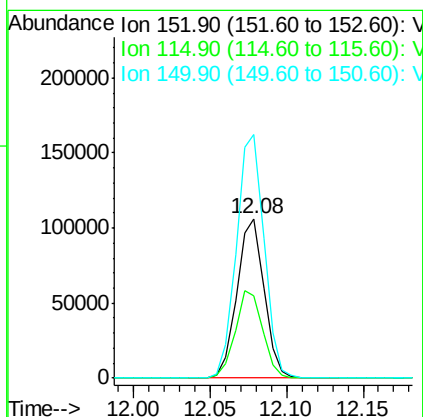
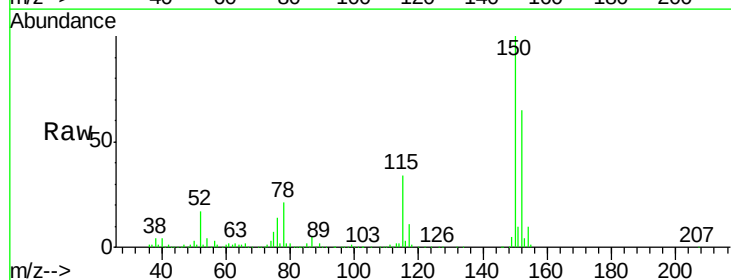
Instrument :
MSVOA_X
ClientSampleId :
GW7-20190726-QC

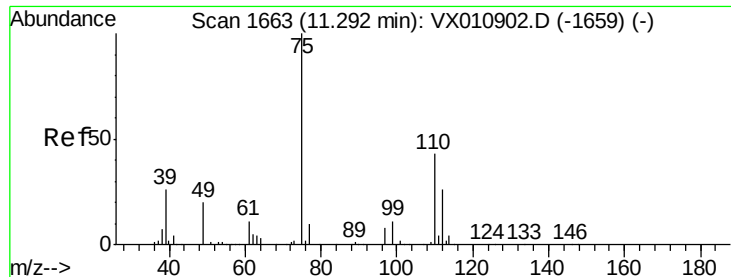
Tgt Ion:117 Resp: 282967
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011229.D
Acq: 31 Jul 2019 05:21

Tgt Ion:152 Resp: 130681
Ion Ratio Lower Upper
152 100
115 55.3 39.7 119.1
150 155.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 26.454 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

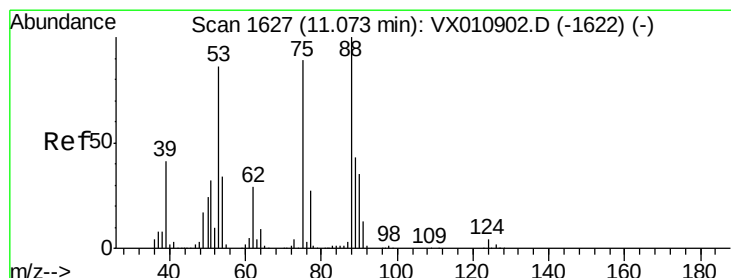
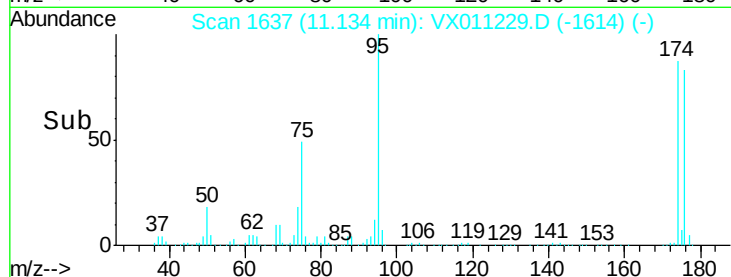
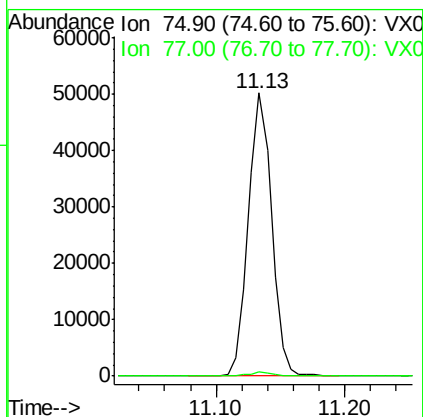
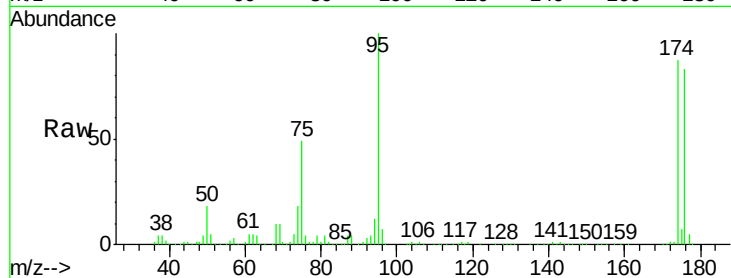
GW7-20190726-QC

Tgt Ion: 75 Resp: 62383

Ion Ratio Lower Upper

75 100

77 1.3 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.667 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011229.D

Acq: 31 Jul 2019 05:21

Tgt Ion: 75 Resp: 62383

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.0 38.5 57.7#

