

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011207.D
 Acq On : 30 Jul 2019 20:00
 Operator : JC/SP
 Sample : K4048-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWL-C8-GW

Quant Time: Jul 31 08:42:55 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	223035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323279	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	286817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130668	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	112582	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
35) Dibromofluoromethane	5.50	113	96653	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
50) Toluene-d8	8.71	98	373993	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.13	95	121093	42.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.62%	

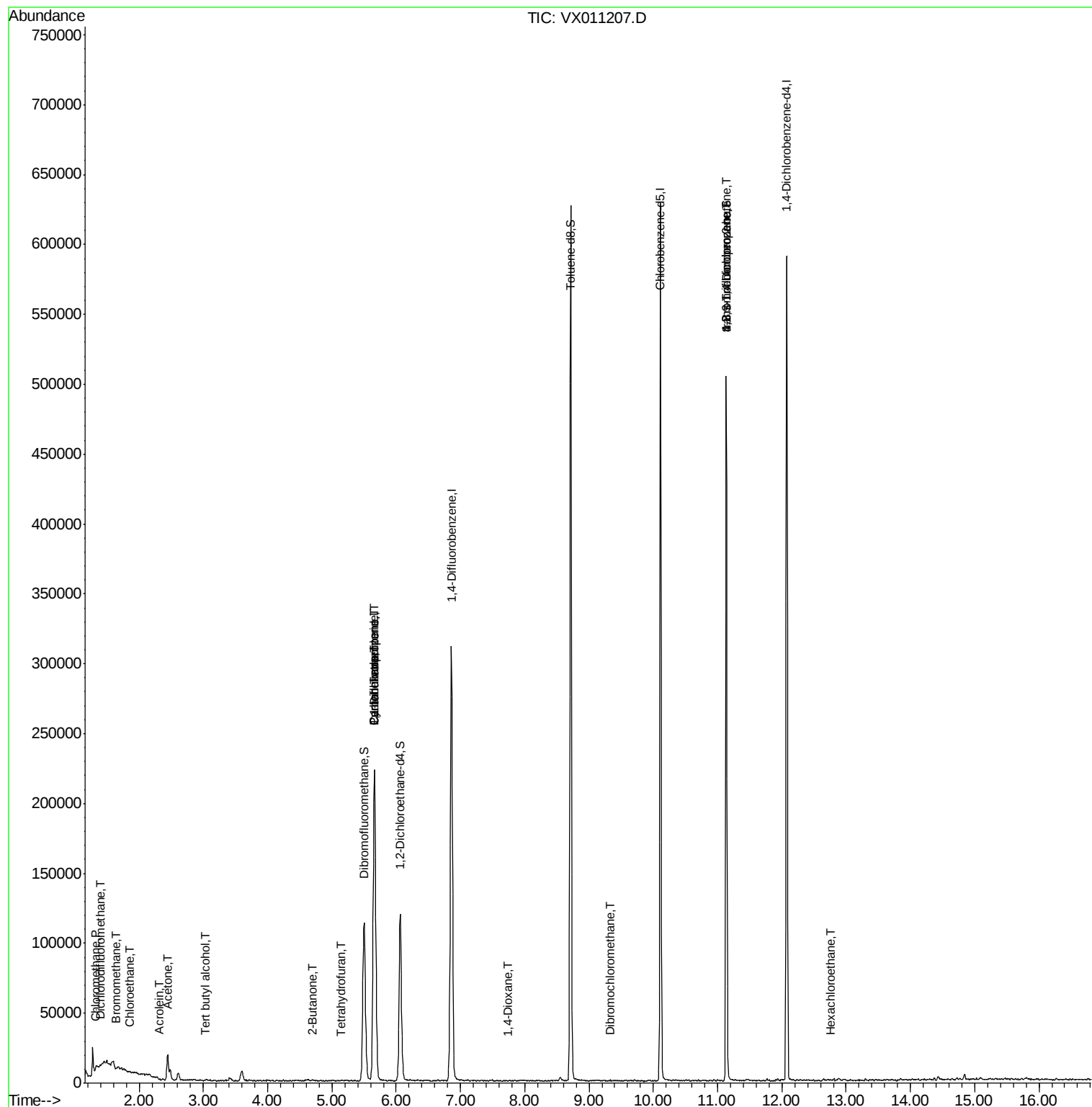
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	21	0.555	ug/l #	43
3) Chloromethane	1.32	50	605	0.295	ug/l #	72
5) Bromomethane	1.65	94	524	0.444	ug/l	97
6) Chloroethane	1.86	64	613	0.461	ug/l #	42
11) Tert butyl alcohol	3.03	59	229	0.414	ug/l #	1
13) Acrolein	2.31	56	164	0.514	ug/l	84
16) Acetone	2.45	43	19562	18.254	ug/l	99
25) 2-Butanone	4.68	43	1256	0.816	ug/l #	87
29) Tetrahydrofuran	5.13	42	358	0.367	ug/l #	49
31) Cyclohexane	5.66	56	4348	1.350	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	15126	5.696	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20648	7.462	ug/l #	19
49) 1,4-Dioxane	7.73	88	20	0.328	ug/l #	1
60) Dibromochloromethane	9.33	129	31	2.539	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	62334	26.435	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	62334	65.624	ug/l #	11
90) Hexachloroethane	12.76	117	261	0.211	ug/l #	6

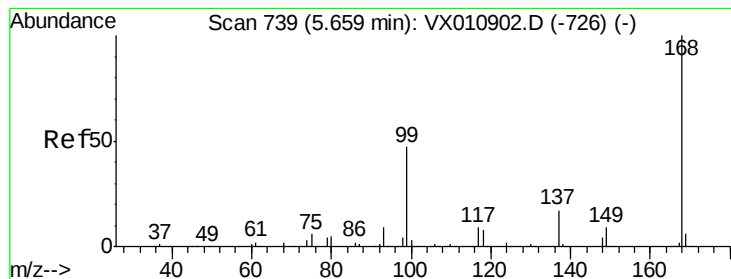
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampled :

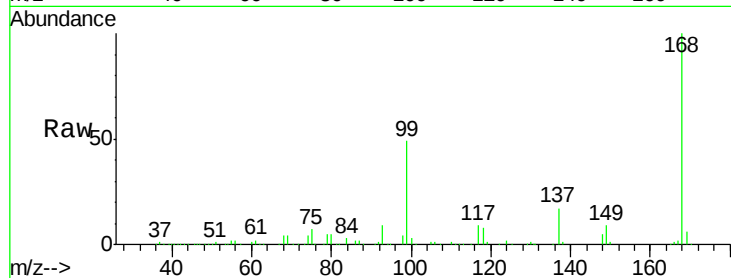
OWL-C8-GW

Tgt Ion: 168 Resp: 223035

Ion Ratio Lower Upper

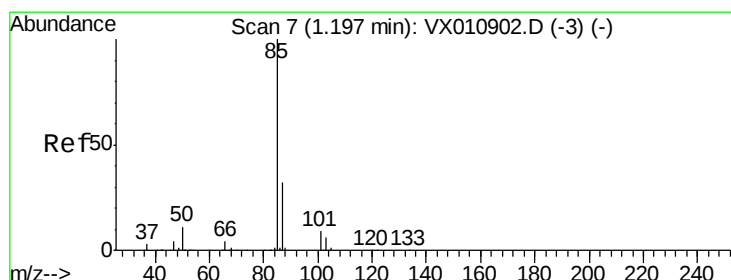
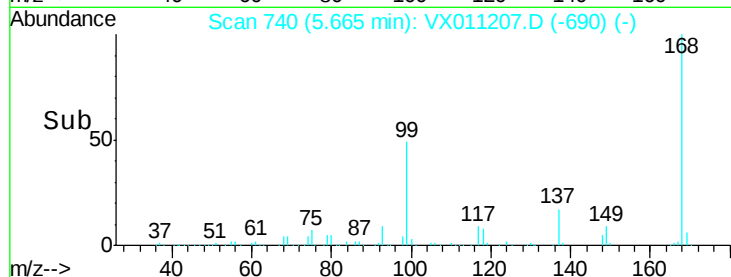
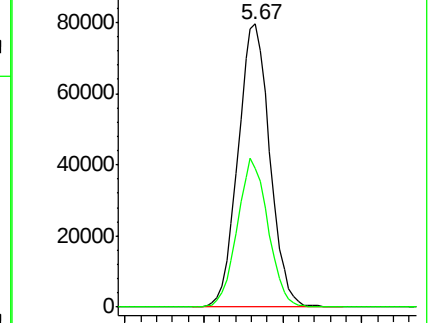
168 100

99 49.1 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: 0.555 ug/l

RT: 1.39 min Scan# 38

Delta R.T. 0.19 min

Lab File: VX011207.D

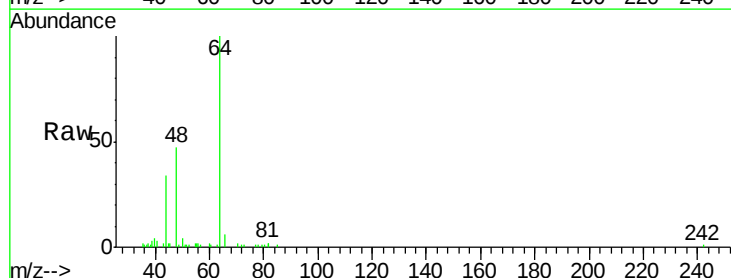
Acq: 30 Jul 2019 20:00

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

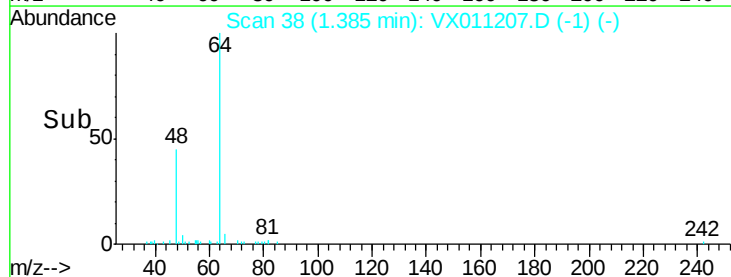
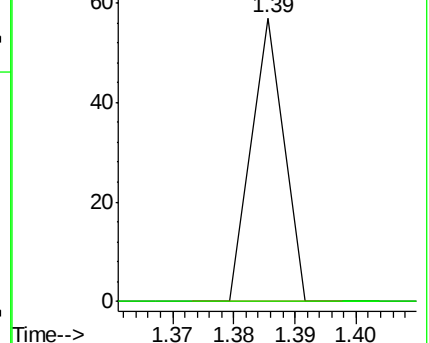
85 100

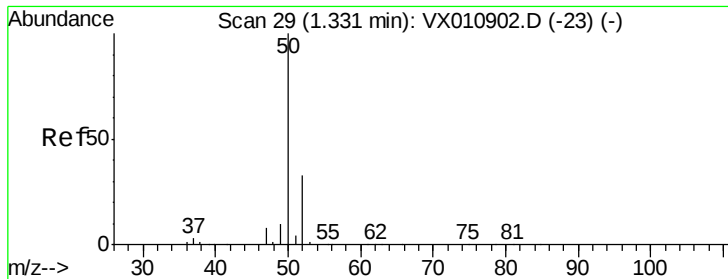
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.295 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampled :

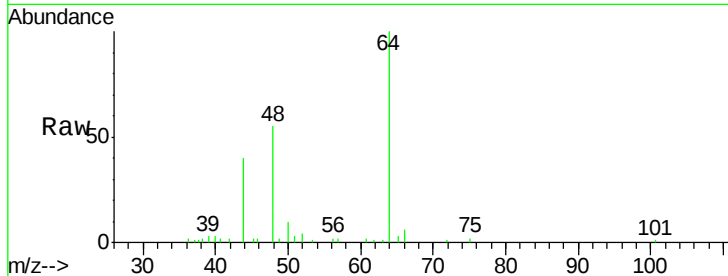
OWL-C8-GW

Tgt Ion: 50 Resp: 605

Ion Ratio Lower Upper

50 100

52 48.7 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

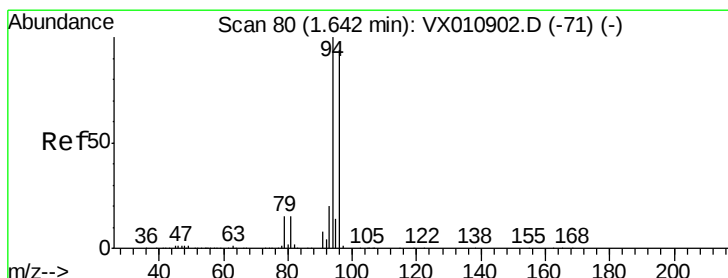
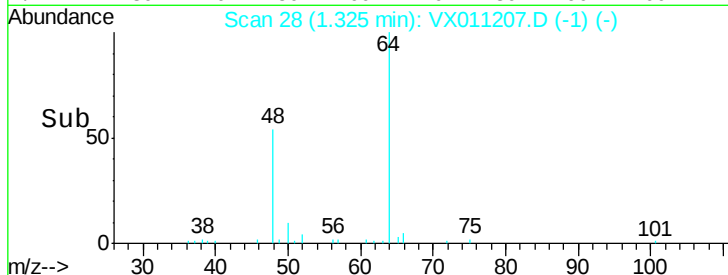
300

200

100

0

Time-->



#5

Bromomethane

Concen: 0.444 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011207.D

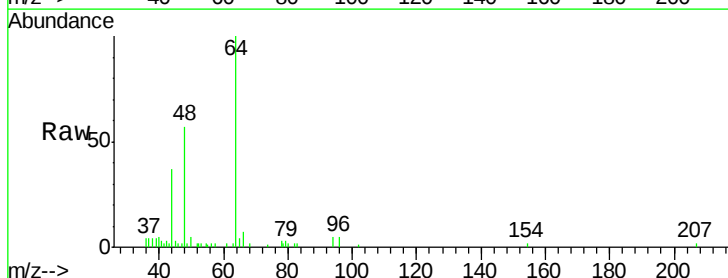
Acq: 30 Jul 2019 20:00

Tgt Ion: 94 Resp: 524

Ion Ratio Lower Upper

94 100

96 91.8 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

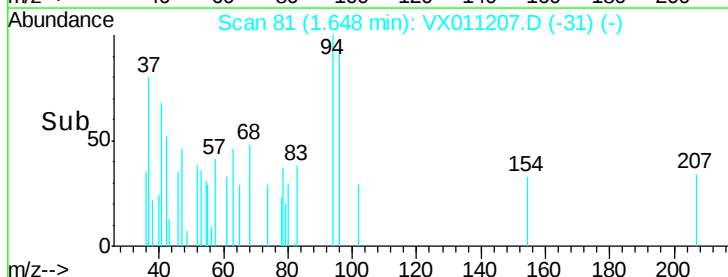
150

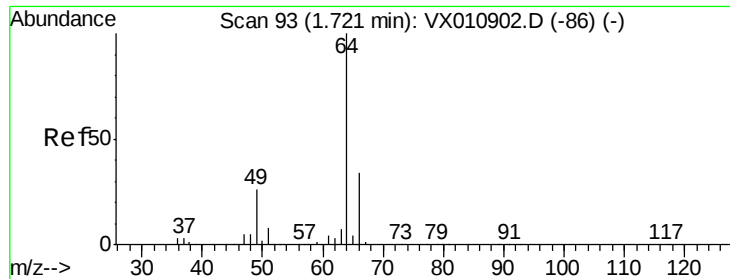
100

50

0

Time-->





#6

Chloroethane

Concen: 0.461 ug/l

RT: 1.86 min Scan# 116

Delta R.T. 0.14 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

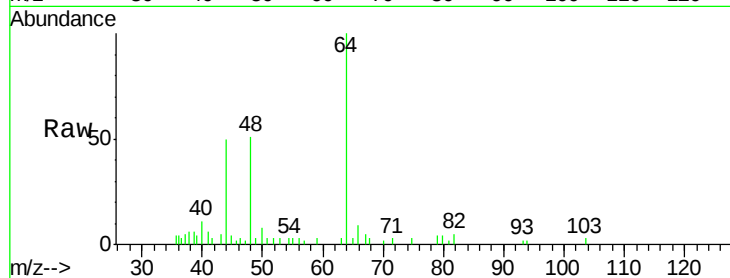
OWL-C8-GW

Tgt Ion: 64 Resp: 613

Ion Ratio Lower Upper

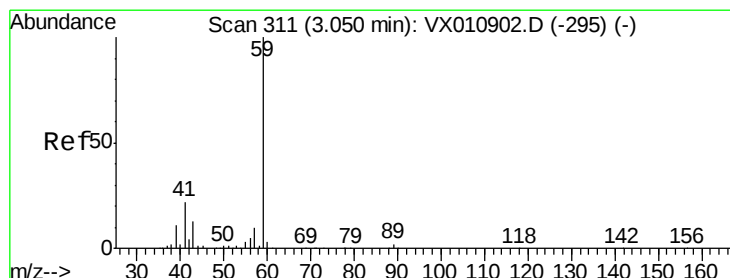
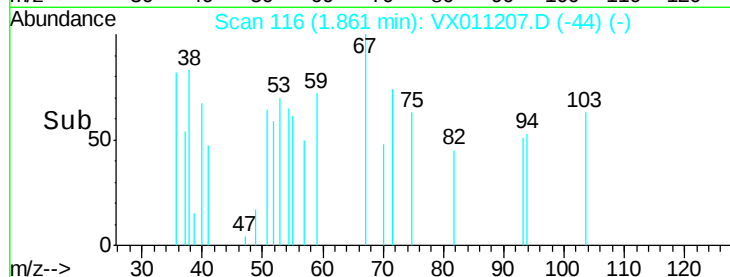
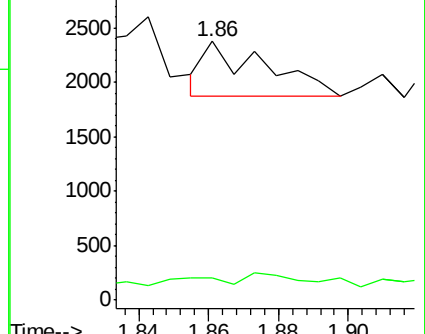
64 100

66 0.6 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.414 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX011207.D

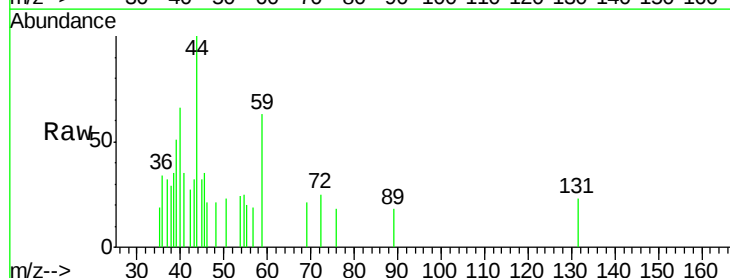
Acq: 30 Jul 2019 20:00

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

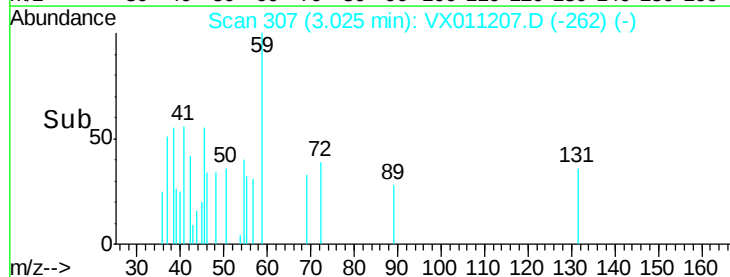
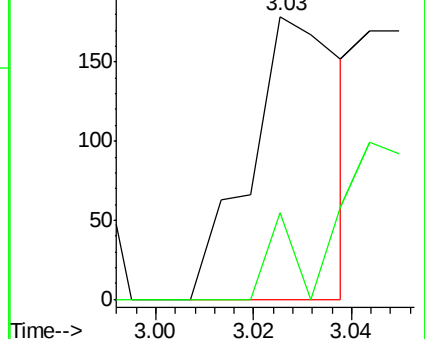
59 100

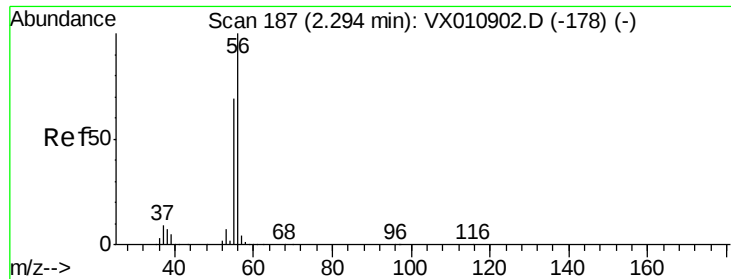
57 57.2 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.514 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

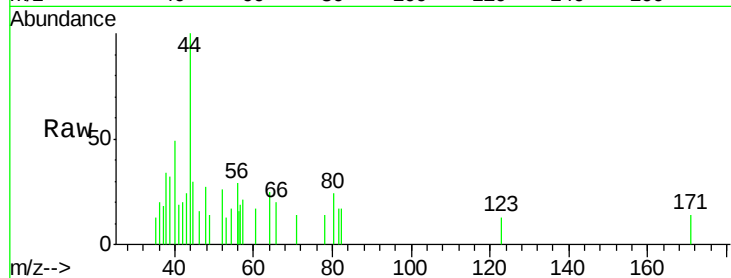
OWL-C8-GW

Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

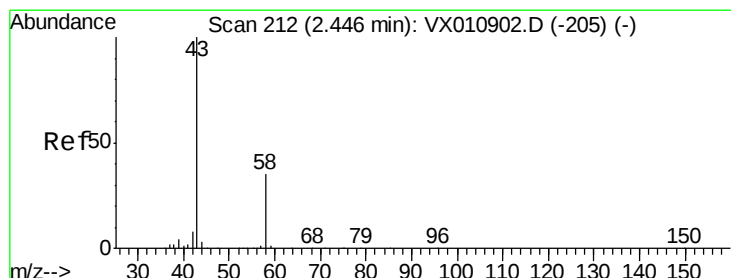
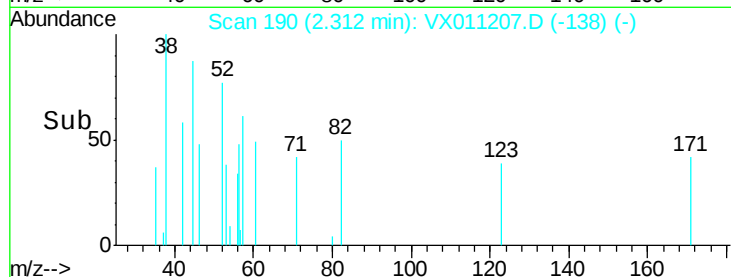
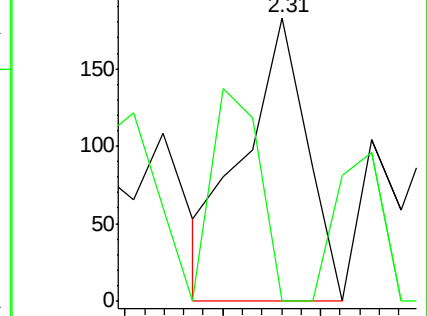
56 100

55 56.7 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 18.254 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011207.D

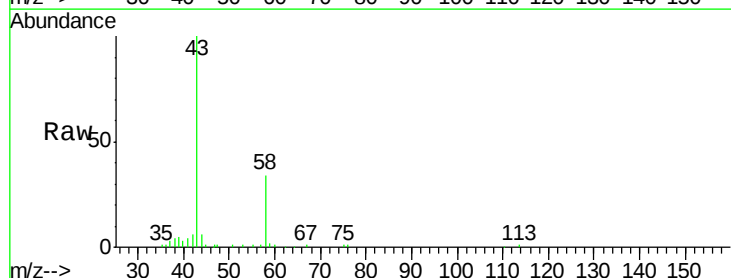
Acq: 30 Jul 2019 20:00

Tgt Ion: 43 Resp: 19562

Ion Ratio Lower Upper

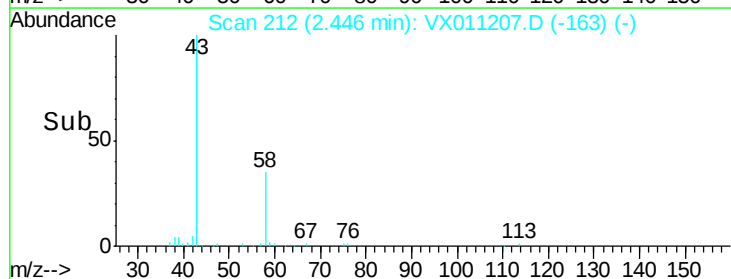
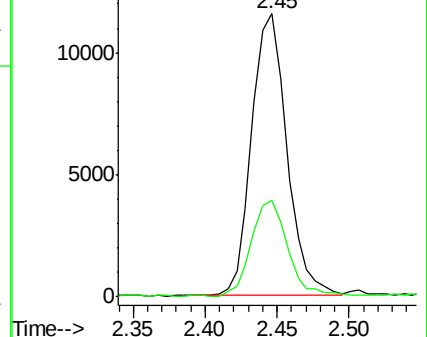
43 100

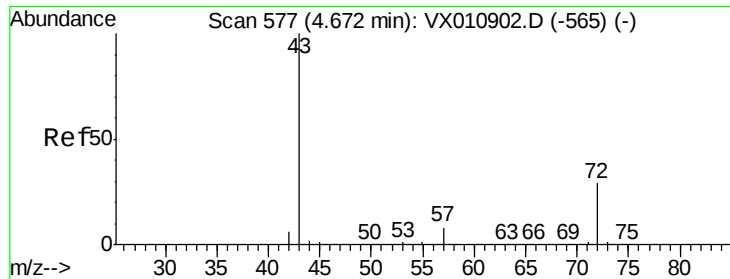
58 33.8 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.816 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

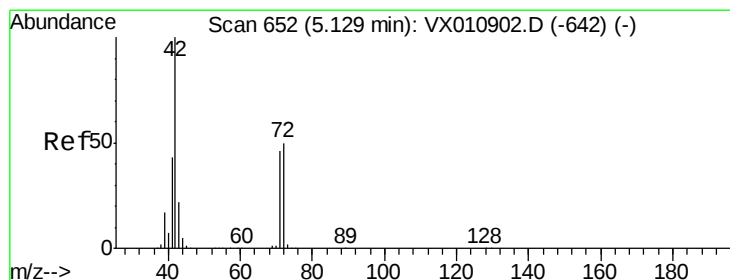
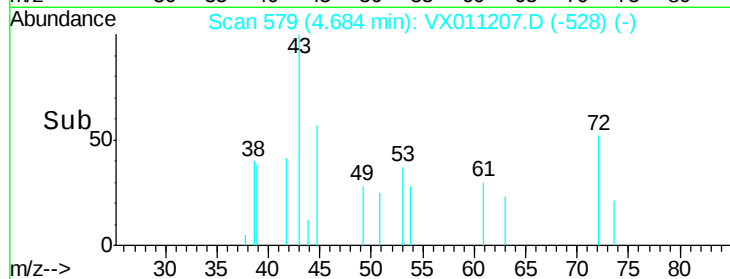
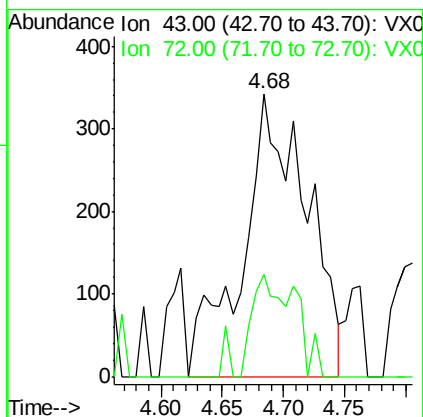
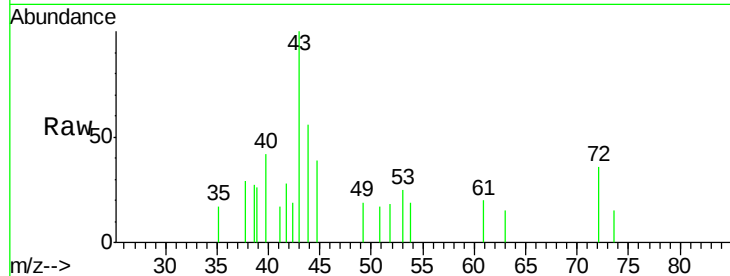
OWL-C8-GW

Tgt Ion: 43 Resp: 1256

Ion Ratio Lower Upper

43 100

72 35.9 23.0 34.6#



#29

Tetrahydrofuran

Concen: 0.367 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

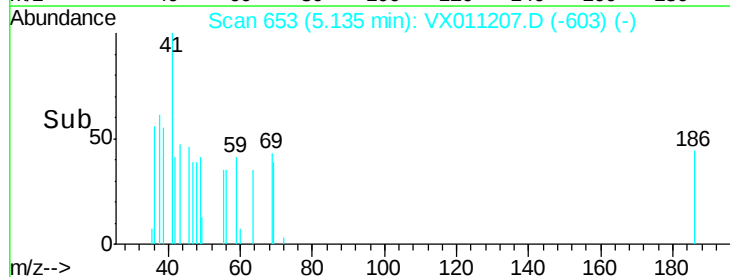
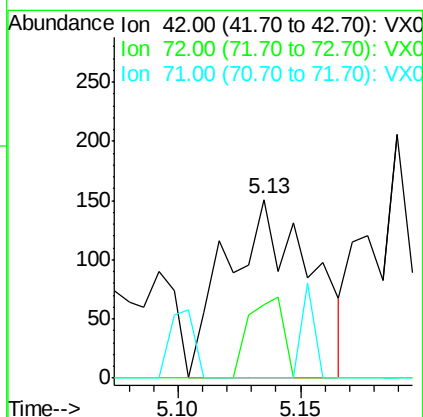
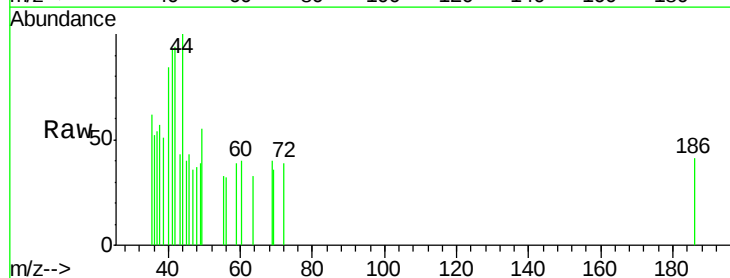
Tgt Ion: 42 Resp: 358

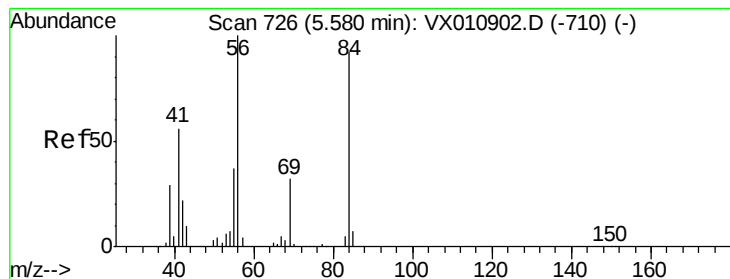
Ion Ratio Lower Upper

42 100

72 18.7 39.8 59.8#

71 8.1 37.0 55.4#





#31

Cyclohexane

Concen: 1.350 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C8-GW

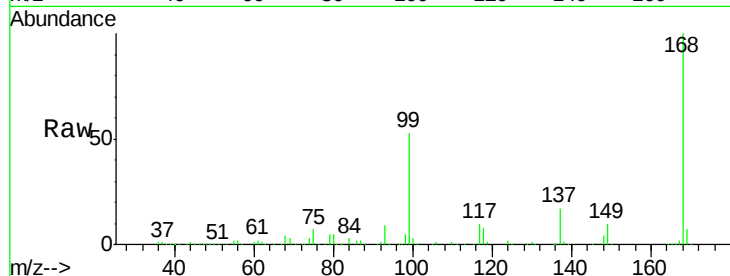
Tgt Ion: 56 Resp: 4348

Ion Ratio Lower Upper

56 100

69 155.3 25.8 38.8#

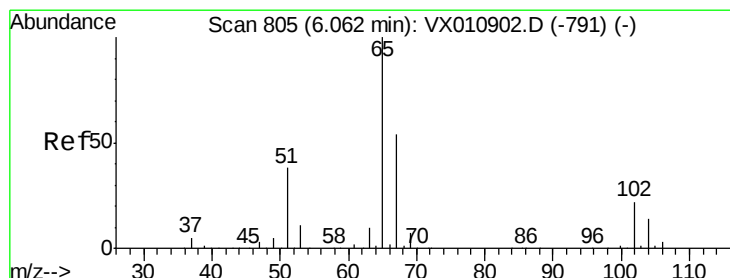
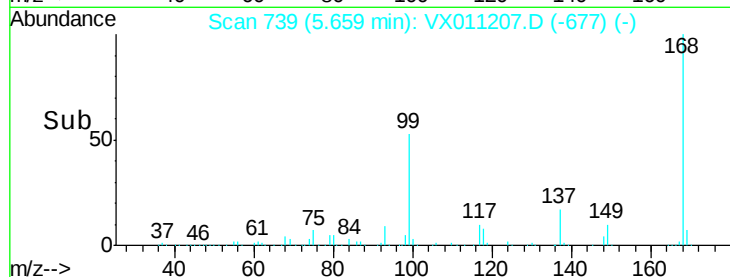
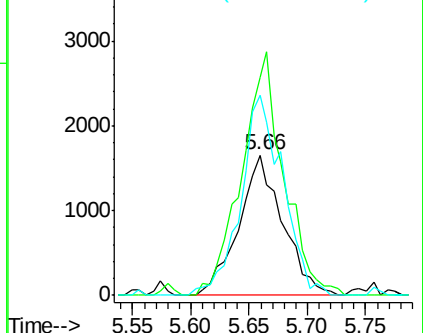
84 142.4 73.8 110.6#



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: 47.448 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011207.D

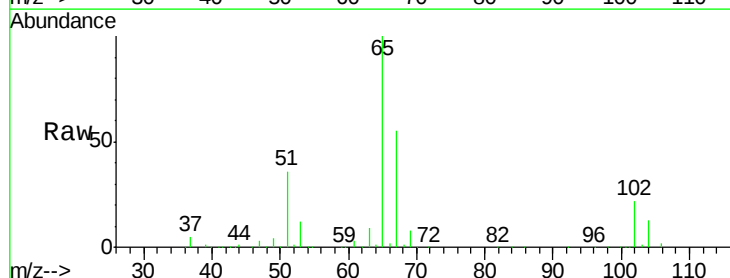
Acq: 30 Jul 2019 20:00

Tgt Ion: 65 Resp: 112582

Ion Ratio Lower Upper

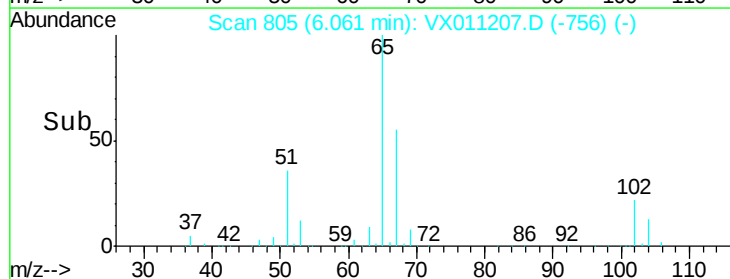
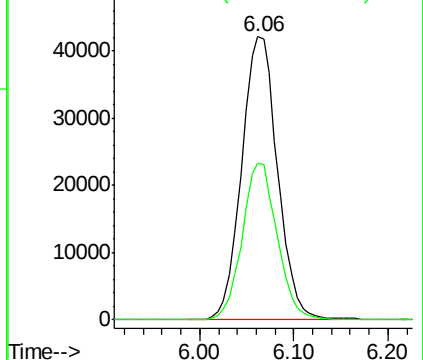
65 100

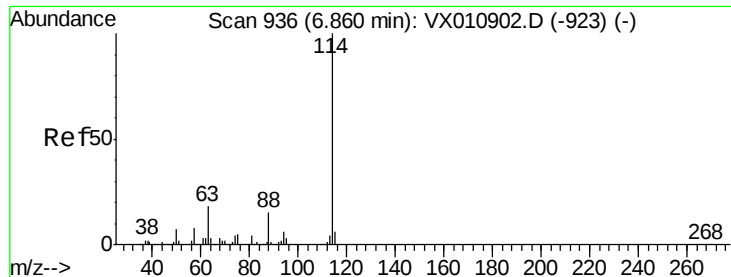
67 54.0 0.0 107.8



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: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C8-GW

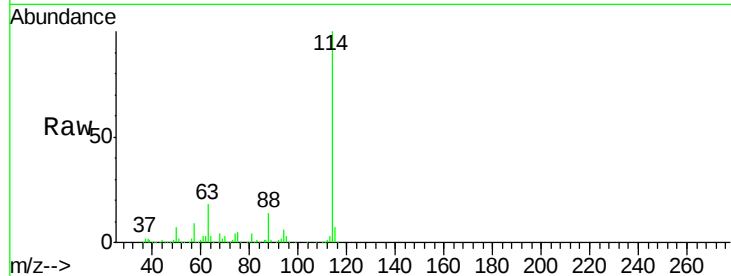
Tgt Ion:114 Resp: 323279

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

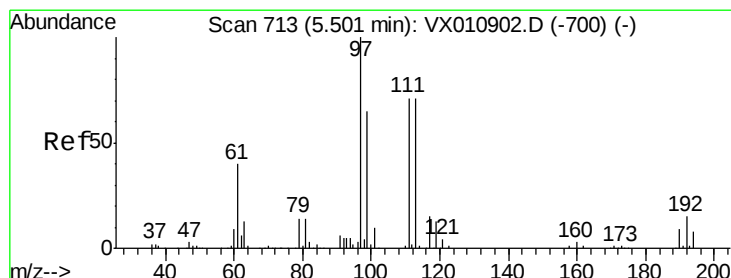
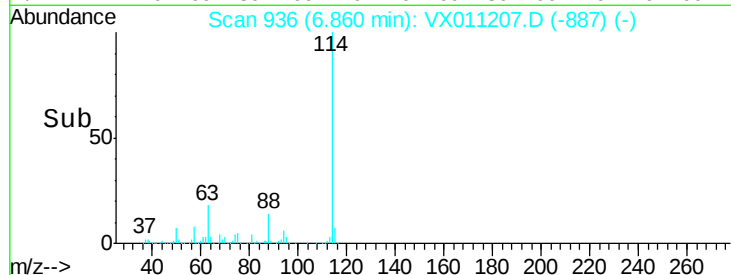
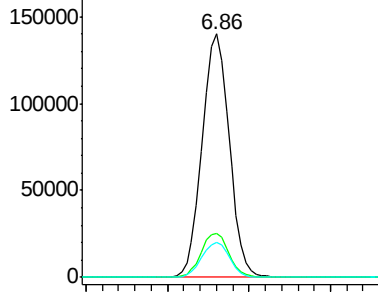
88 14.3 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.104 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

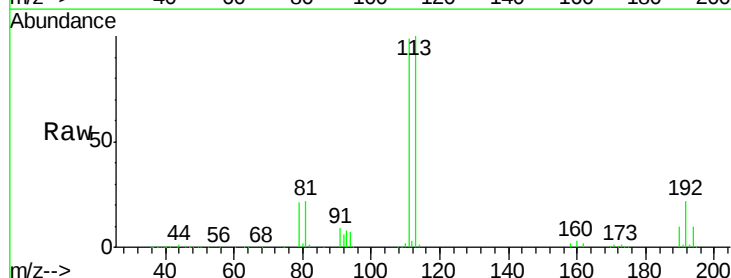
Tgt Ion:113 Resp: 96653

Ion Ratio Lower Upper

113 100

111 101.4 82.3 123.5

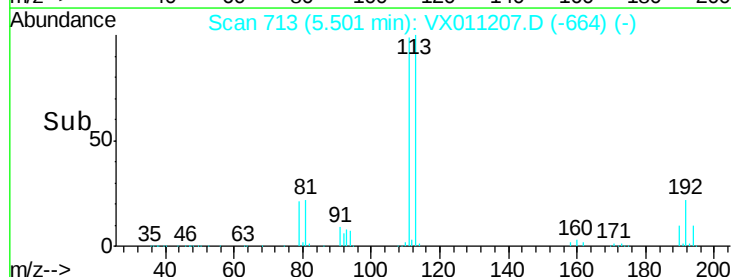
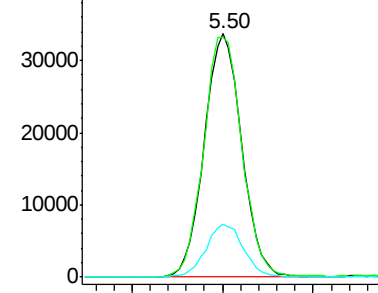
192 21.7 17.4 26.2

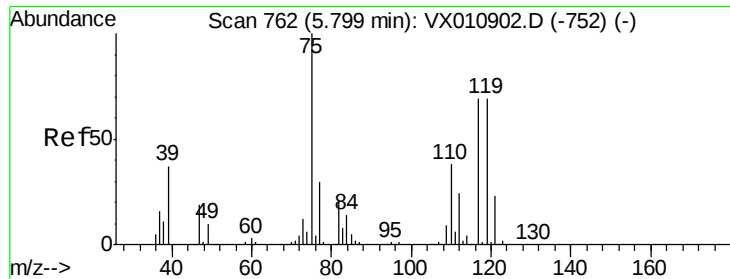


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.696 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampled :

OWL-C8-GW

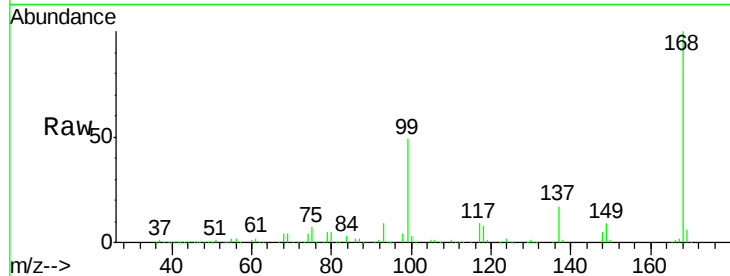
Tgt Ion: 75 Resp: 15126

Ion Ratio Lower Upper

75 100

110 10.4 19.9 59.7#

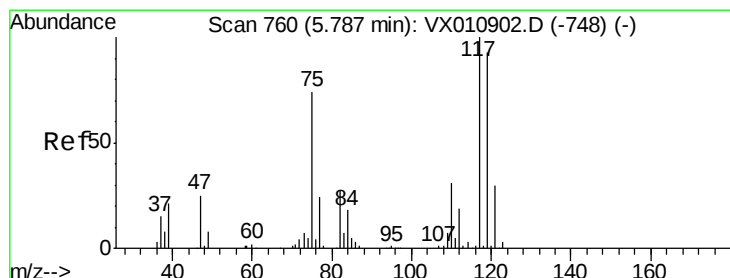
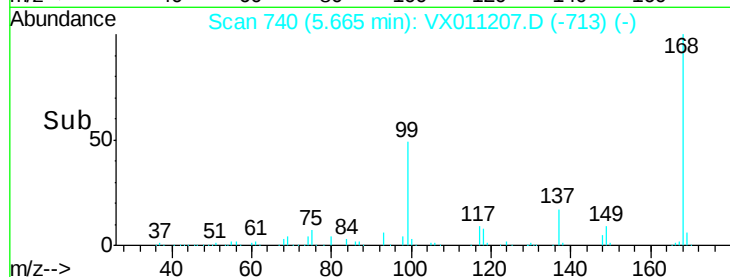
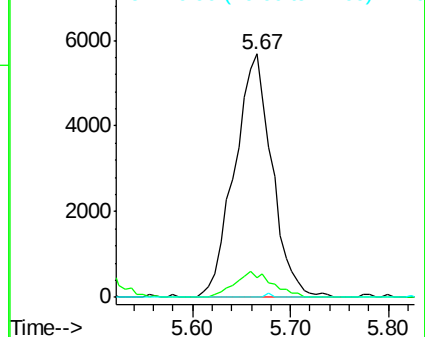
77 0.2 25.0 37.4#



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: 7.462 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

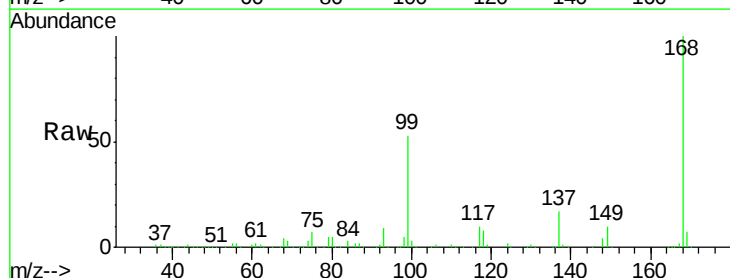
Tgt Ion: 117 Resp: 20648

Ion Ratio Lower Upper

117 100

119 6.6 74.2 111.2#

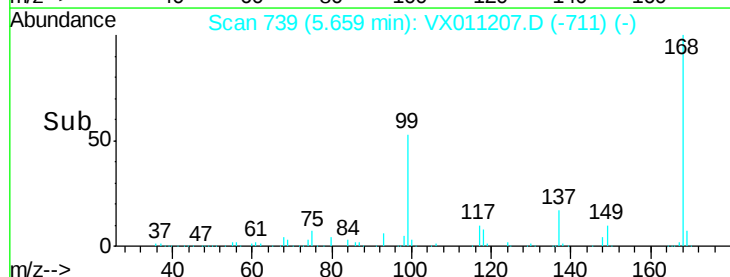
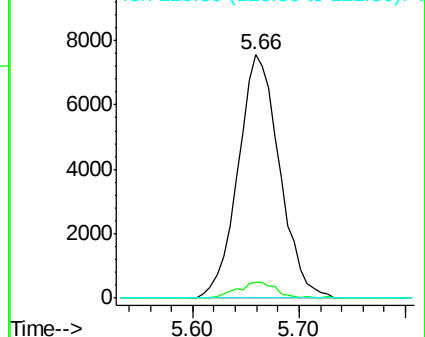
121 0.0 24.2 36.2#

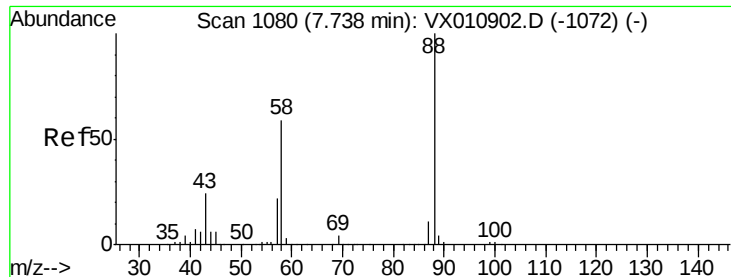


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

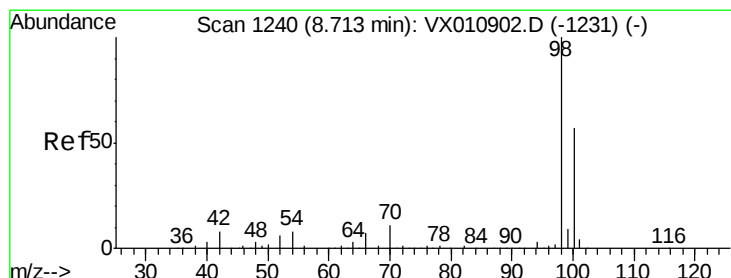
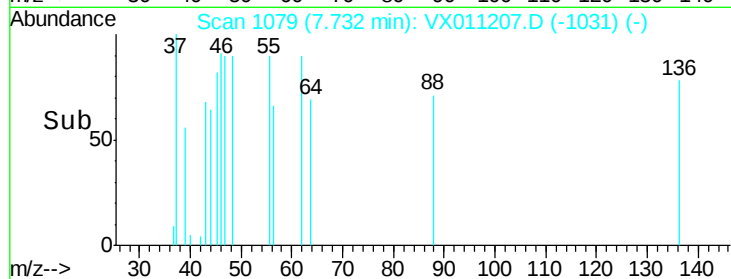
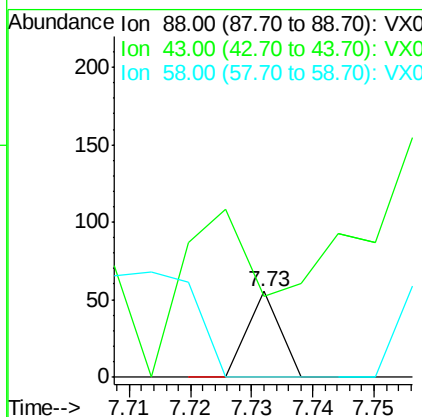
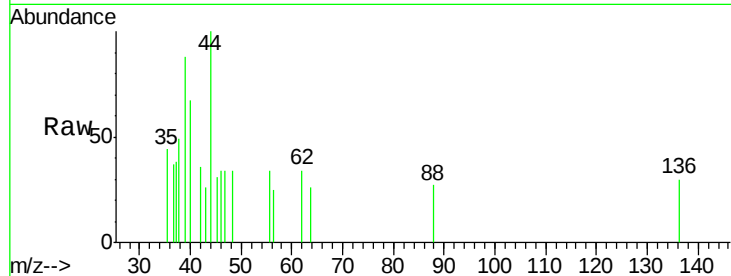




#49
 1,4-Dioxane
 Concen: 0.328 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX011207.D
 Acq: 30 Jul 2019 20:00

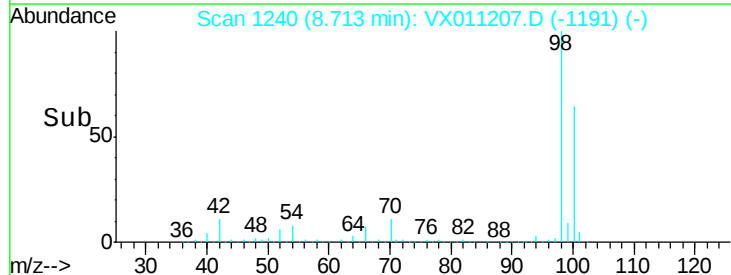
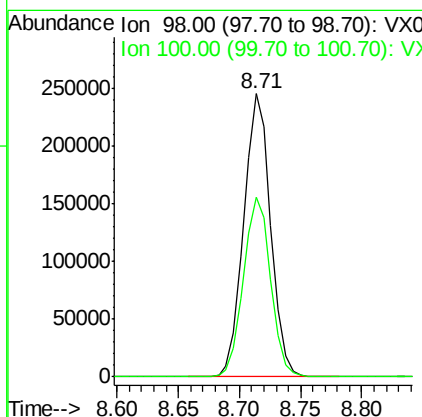
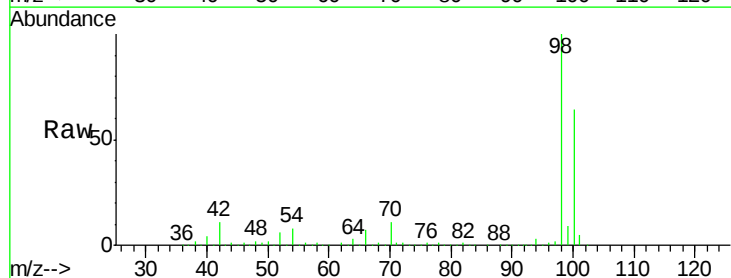
Instrument :
 MSVOA_X
 ClientSampleId :
 OWL-C8-GW

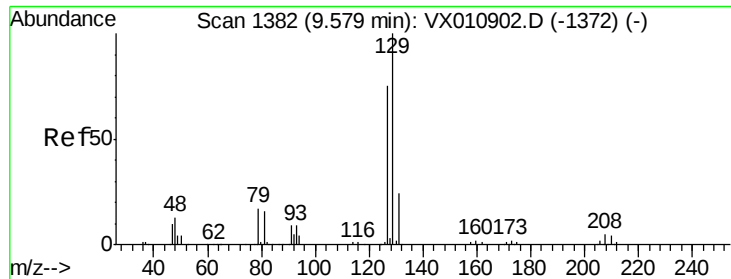
Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 450.0 22.9 34.3#
 58 0.0 49.8 74.8#



#50
 Toluene-d8
 Concen: 48.596 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011207.D
 Acq: 30 Jul 2019 20:00

Tgt Ion: 98 Resp: 373993
 Ion Ratio Lower Upper
 98 100
 100 64.0 50.6 75.8





#60

Dibromochloromethane

Concen: 2.539 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

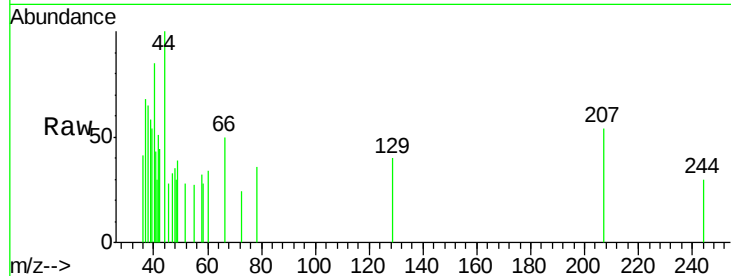
OWL-C8-GW

Tgt Ion: 129 Resp: 31

Ion Ratio Lower Upper

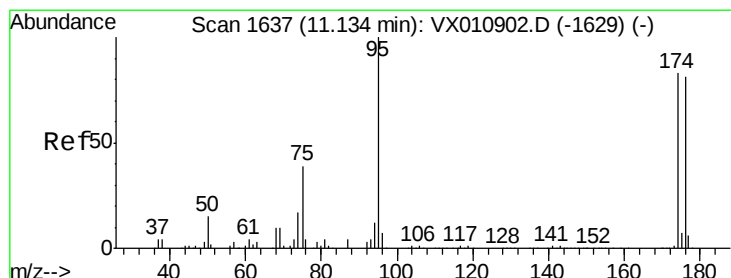
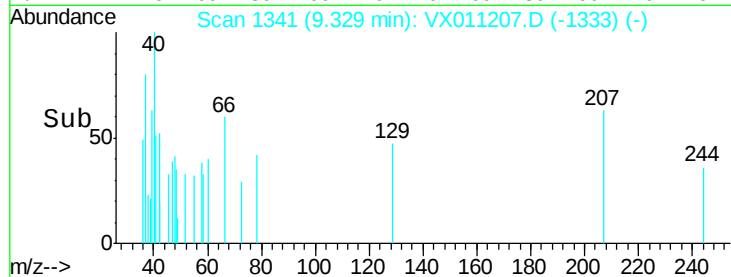
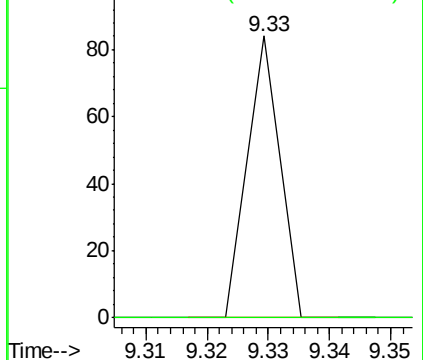
129 100

127 0.0 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: 42.807 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

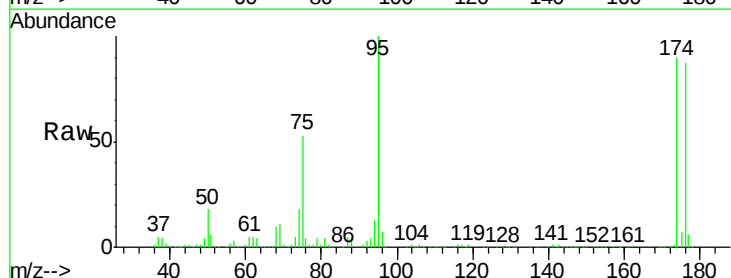
Tgt Ion: 95 Resp: 121093

Ion Ratio Lower Upper

95 100

174 93.9 0.0 180.6

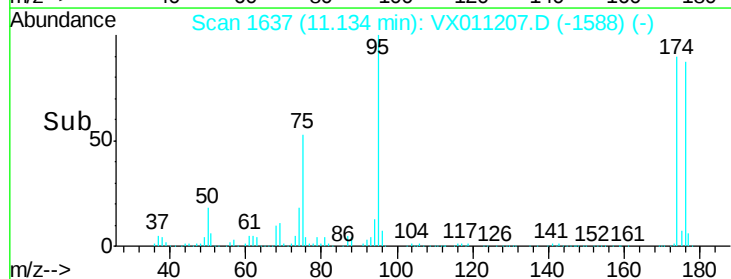
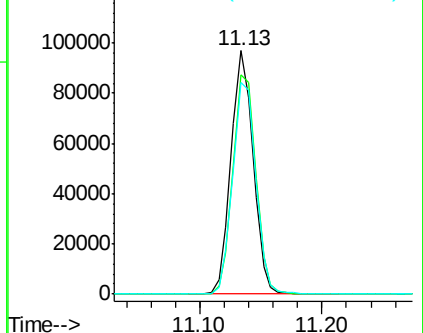
176 90.8 0.0 173.8

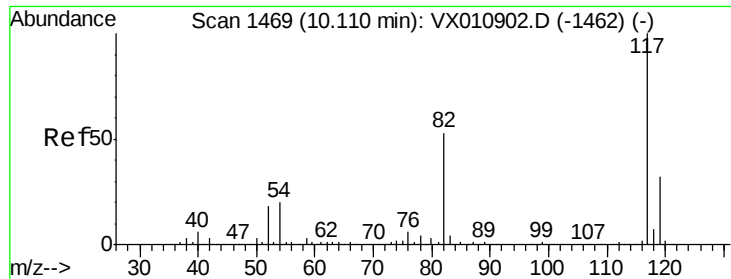


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

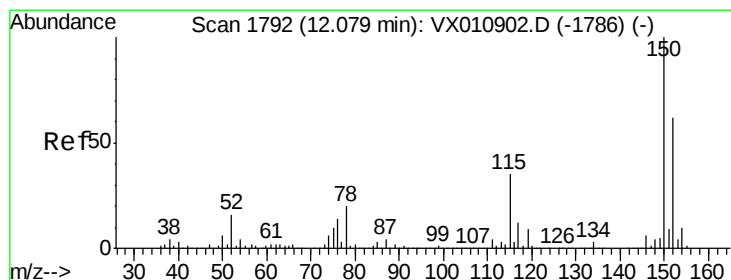
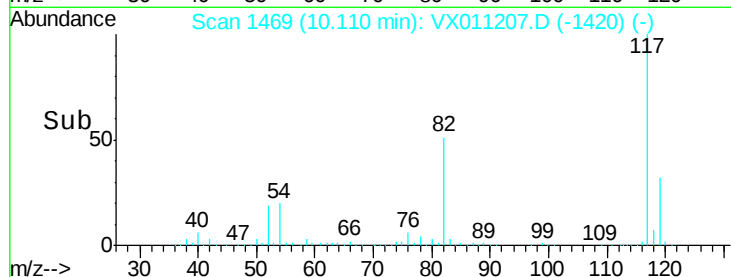
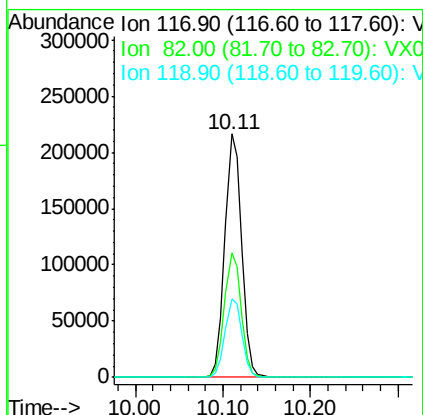
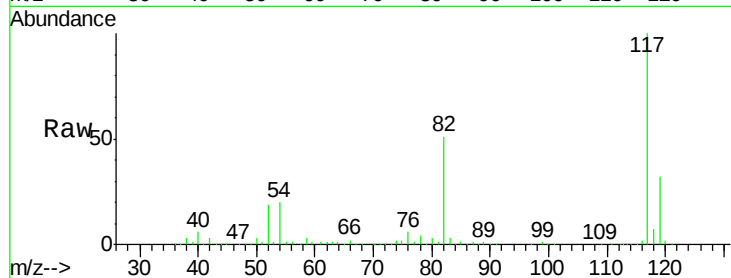




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011207.D
Acq: 30 Jul 2019 20:00

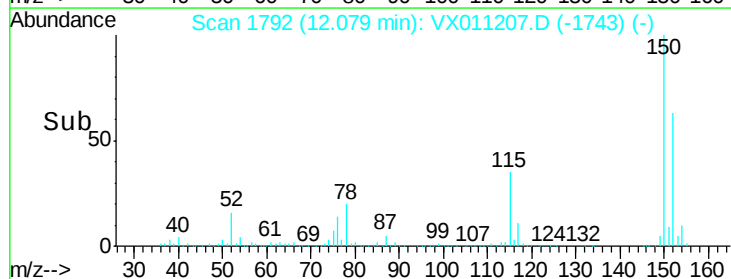
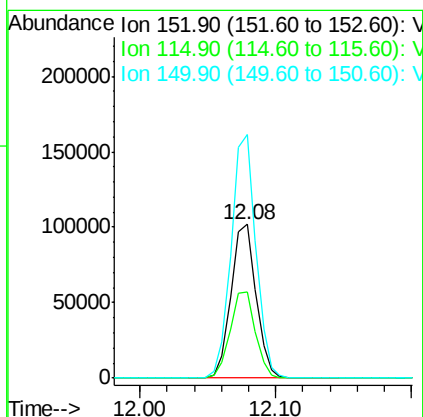
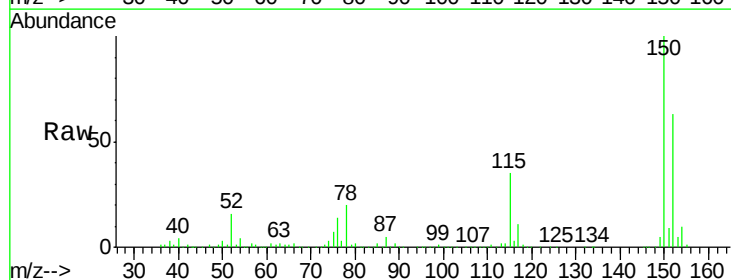
Instrument :
MSVOA_X
ClientSampled :
OWL-C8-GW

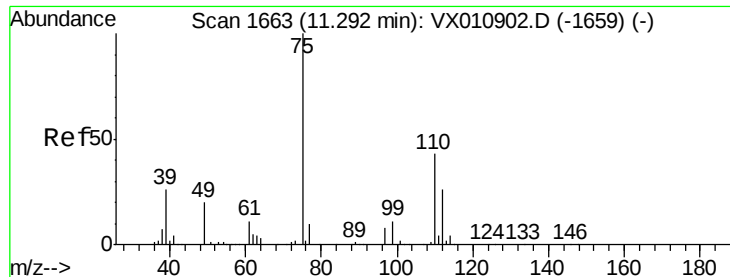
Tgt Ion:117 Resp: 286817
Ion Ratio Lower Upper
117 100
82 51.0 42.6 63.8
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011207.D
Acq: 30 Jul 2019 20:00

Tgt Ion:152 Resp: 130668
Ion Ratio Lower Upper
152 100
115 56.4 39.7 119.1
150 156.3 0.0 345.6

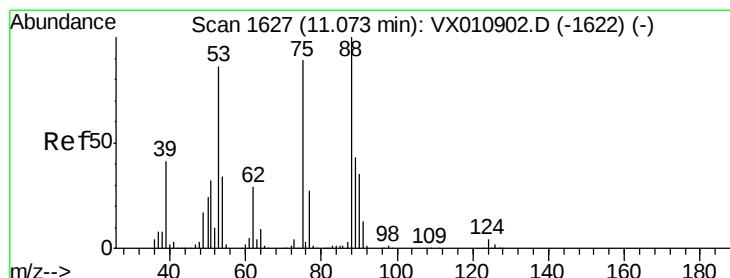
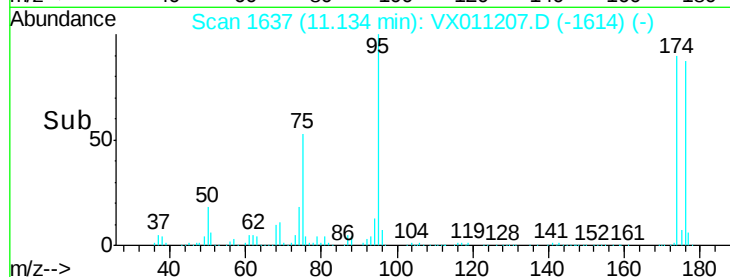
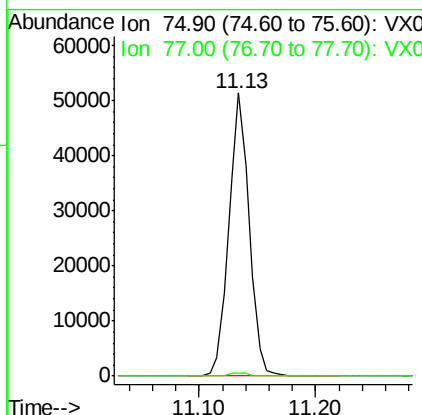
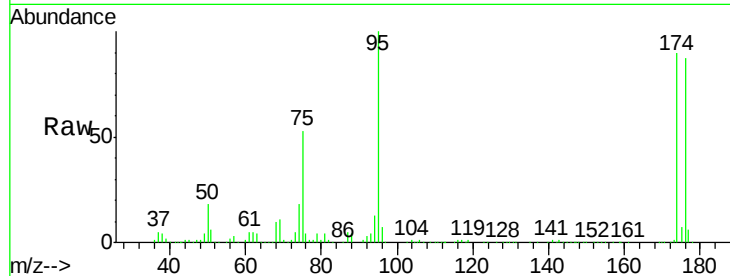




#76
 1,2,3-Trichloropropane
 Concen: 26.435 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011207.D
 Acq: 30 Jul 2019 20:00

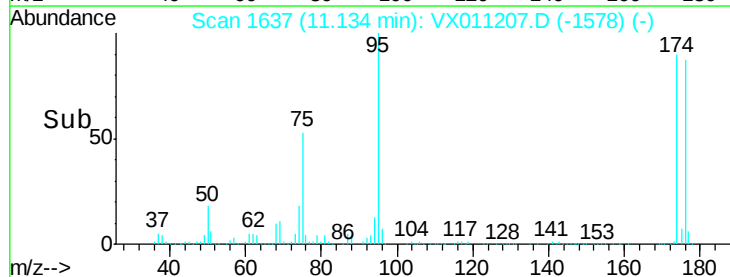
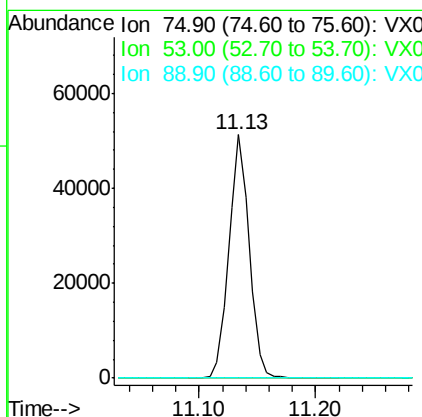
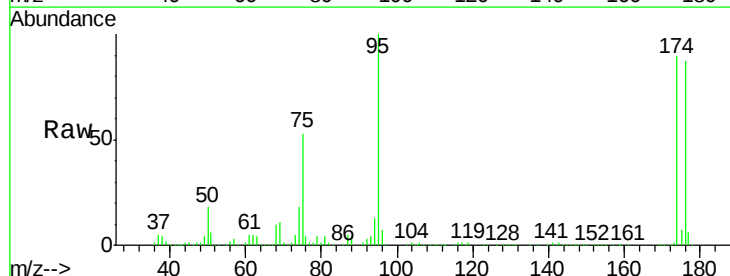
Instrument :
 MSVOA_X
 ClientSampleId :
 OWL-C8-GW

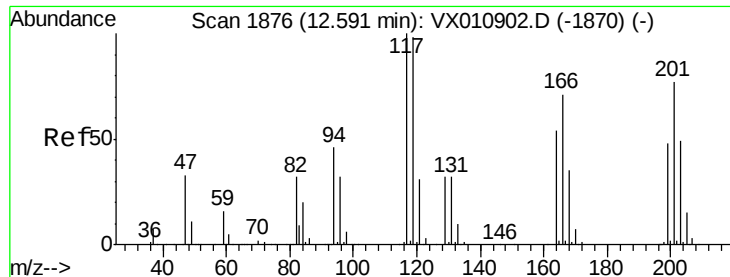
Tgt Ion: 75 Resp: 62334
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.624 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011207.D
 Acq: 30 Jul 2019 20:00

Tgt Ion: 75 Resp: 62334
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.7 115.1#
 89 0.0 38.5 57.7#





#90

Hexachloroethane

Concen: 0.211 ug/l

RT: 12.76 min Scan# 1903

Delta R.T. 0.16 min

Lab File: VX011207.D

Acq: 30 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

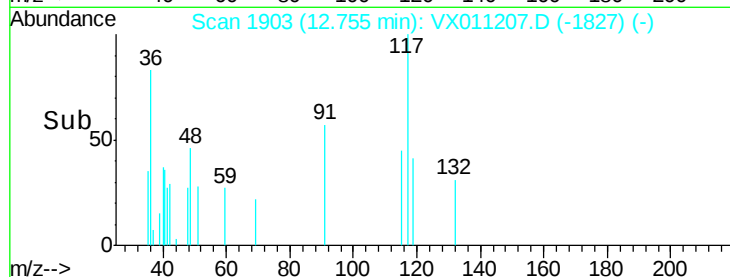
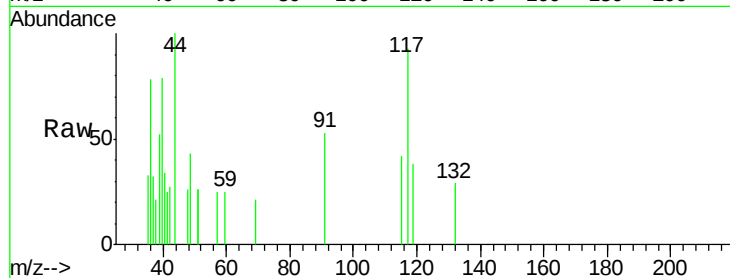
OWL-C8-GW

Tgt Ion:117 Resp: 261

Ion Ratio Lower Upper

117 100

201 0.0 43.3 129.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

