

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007118.D
 Acq On : 18 Jan 2019 05:08
 Operator : JC/SP
 Sample : K1157-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-04-011519

Quant Time: Jan 18 07:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	577519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	884990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	860744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	423819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	309962	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	5.51	113	272497	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	8.71	98	1082375	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.13	95	394775	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

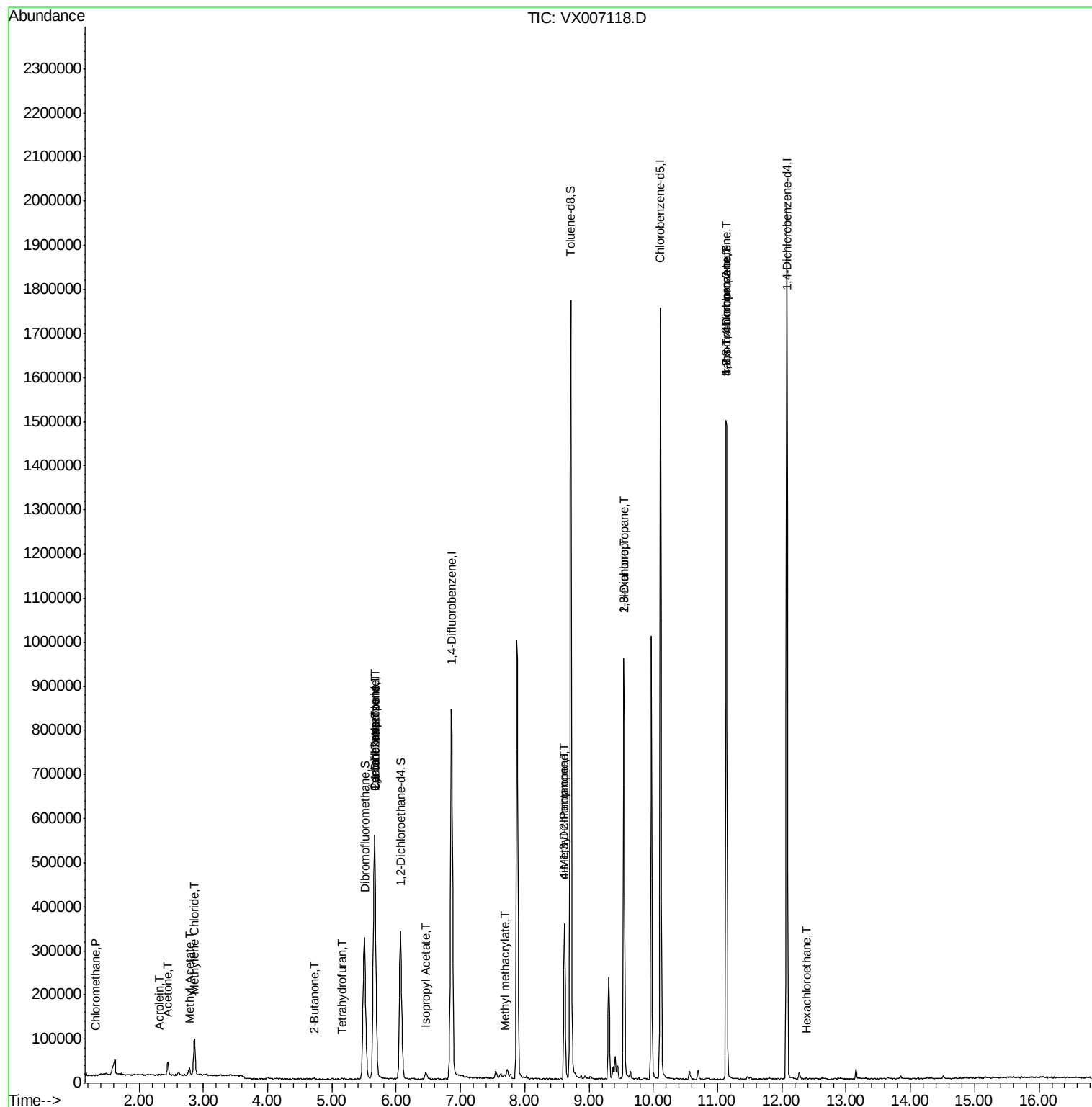
					Qvalue	
3) Chloromethane	1.33	50	2760	0.500	ug/l #	73
13) Acrolein	2.31	56	191	3.391	ug/l #	13
16) Acetone	2.45	43	31522	10.564	ug/l	97
18) Methyl Acetate	2.78	43	21346	2.470	ug/l	98
20) Methylene Chloride	2.86	84	38466	6.283	ug/l	98
25) 2-Butanone	4.72	43	3981	0.932	ug/l #	81
29) Tetrahydrofuran	5.16	42	1419	0.511	ug/l #	62
31) Cyclohexane	5.66	56	9646	1.133	ug/l #	9
36) 1,1-Dichloropropene	5.67	75	36300	4.718	ug/l #	49
38) Carbon Tetrachloride	5.66	117	51674	6.675	ug/l #	13
43) Isopropyl Acetate	6.46	43	20594	1.583	ug/l	98
48) Methyl methacrylate	7.69	41	9524	1.425	ug/l #	12
49) 1,4-Dioxane	7.74	88	122	Below Cal	#	19
51) 4-Methyl-2-Pentanone	8.62	43	115552	13.819	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	57597	6.661	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	8589	0.868	ug/l #	44
59) 2-Hexanone	9.54	43	107249	16.830	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	188026	21.893	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	188026	64.853	ug/l #	10
90) Hexachloroethane	12.38	117	68	2.923	ug/l	77

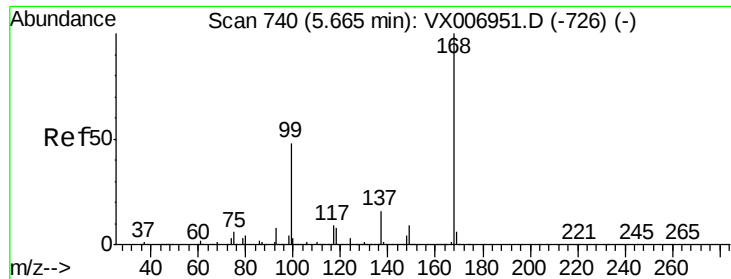
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

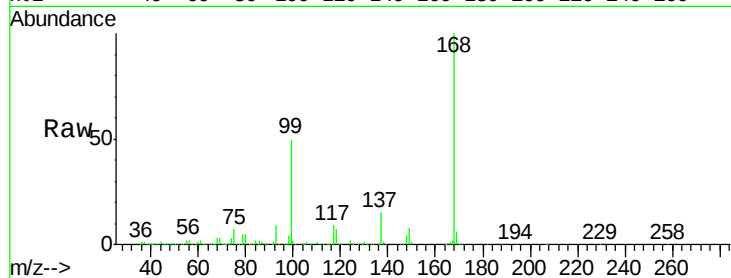
WC-04-011519

Tot Ion:168 Resp: 577519

Ion Ratio Lower Upper

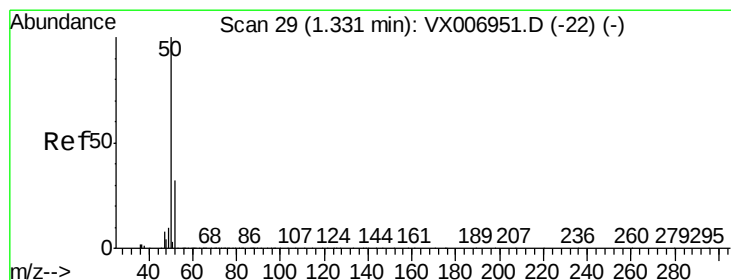
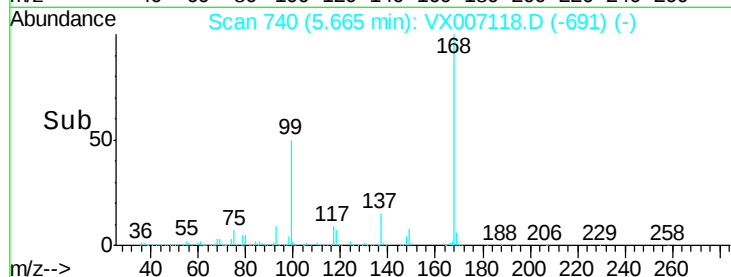
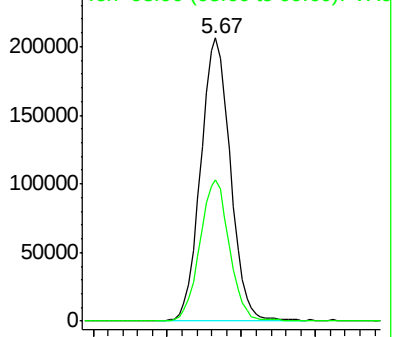
168 100

99 49.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.500 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007118.D

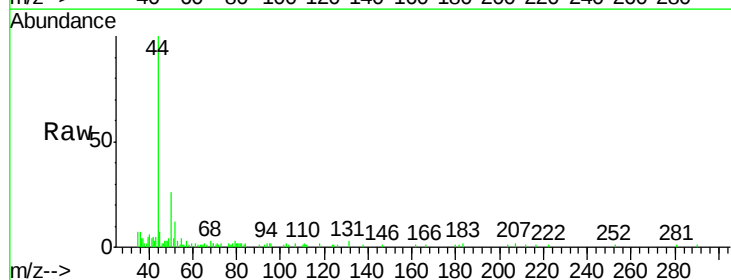
Acq: 18 Jan 2019 05:08

Tgt Ion: 50 Resp: 2760

Ion Ratio Lower Upper

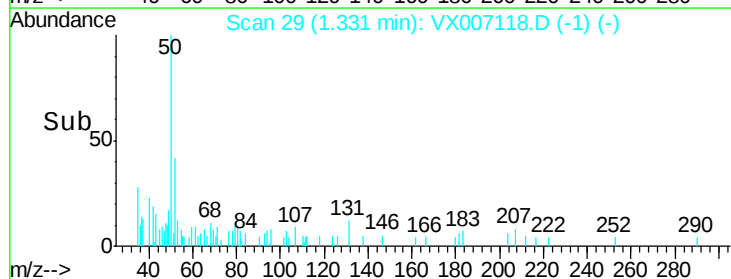
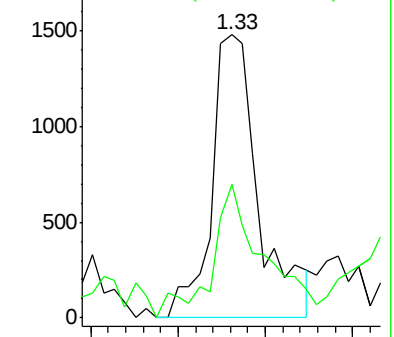
50 100

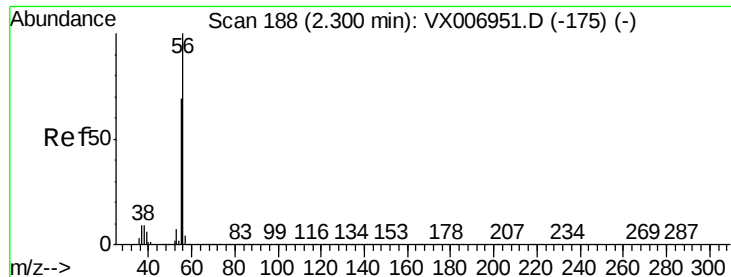
52 47.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#13

Acrolein

Concen: 3.391 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

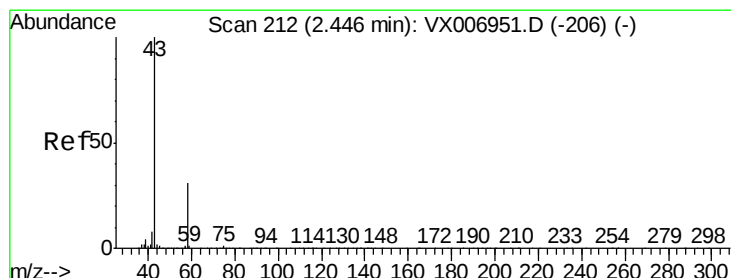
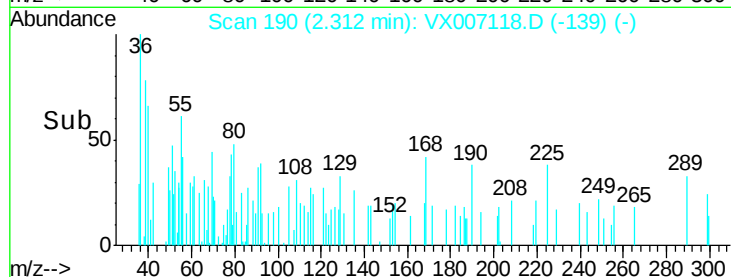
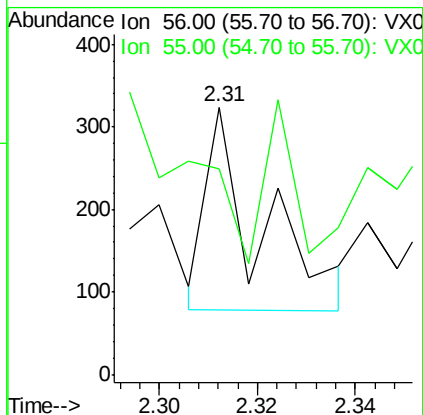
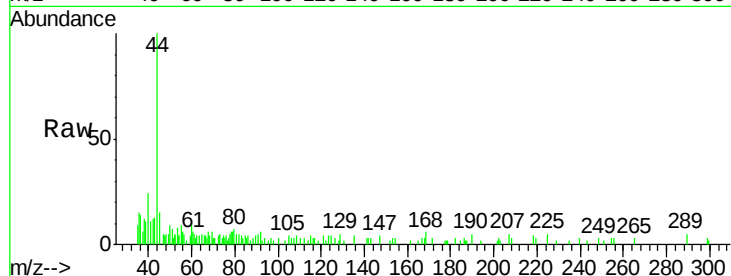
WC-04-011519

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 10.564 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007118.D

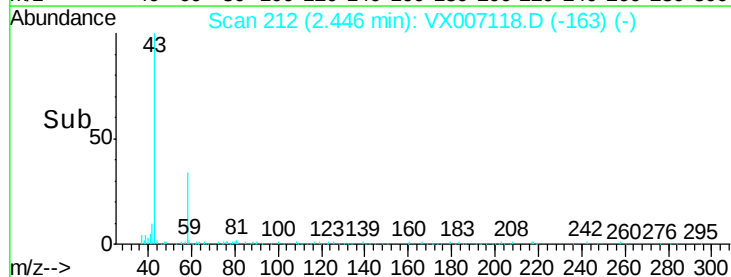
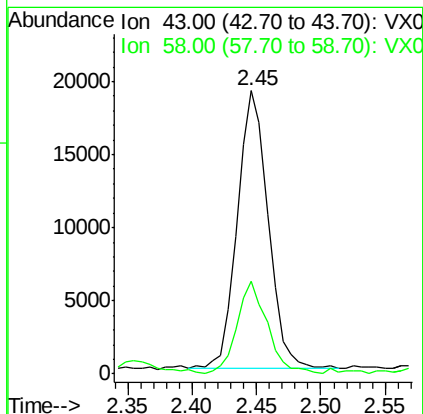
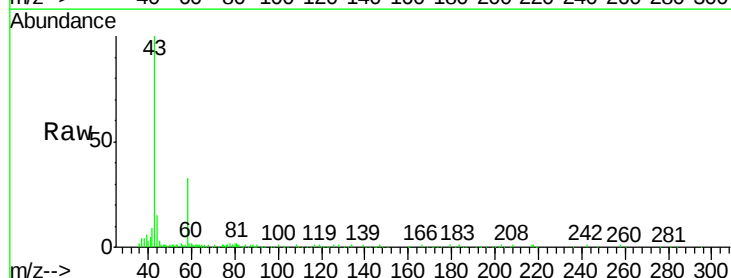
Acq: 18 Jan 2019 05:08

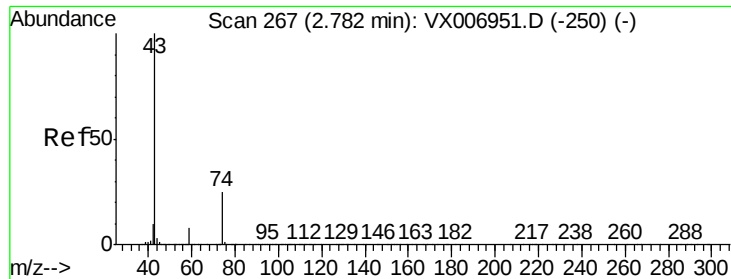
Tgt Ion: 43 Resp: 31522

Ion Ratio Lower Upper

43 100

58 32.8 25.0 37.6

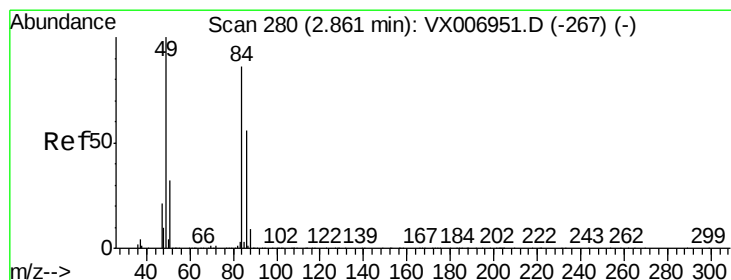
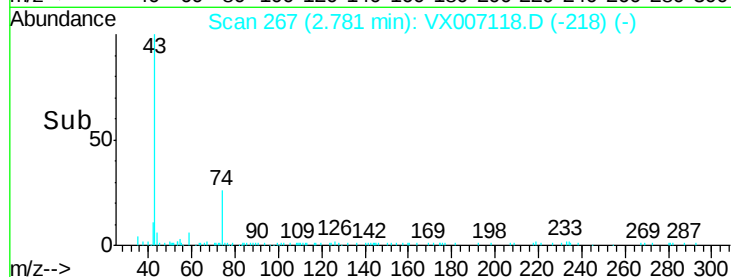
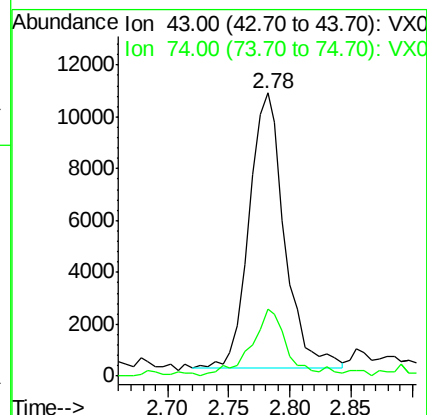
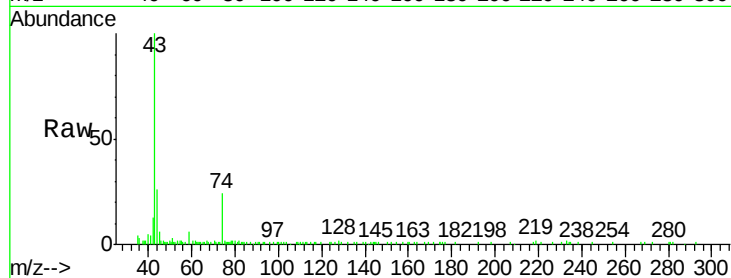




#18
Methyl Acetate
Concen: 2.470 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007118.D
Acq: 18 Jan 2019 05:08

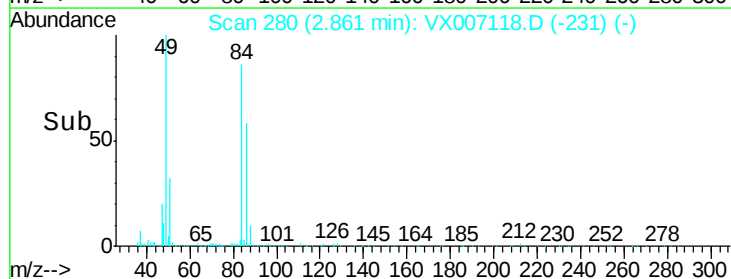
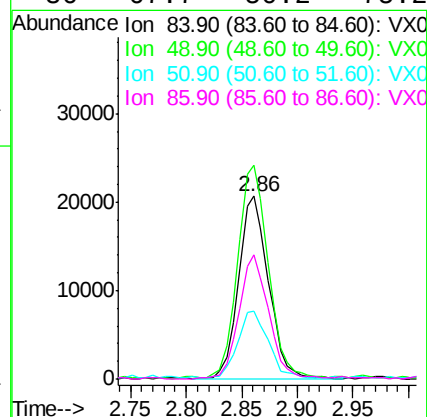
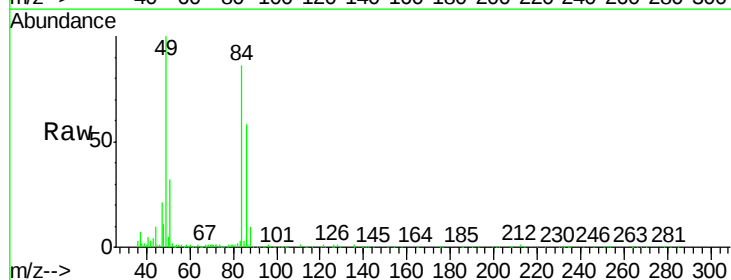
Instrument :
MSVOA_X
ClientSampleId :
WC-04-011519

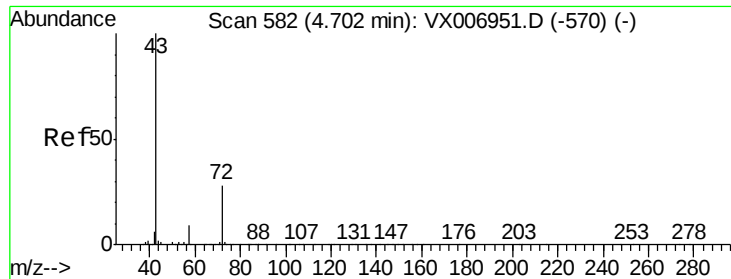
Tot Ion: 43 Resp: 21346
Ion Ratio Lower Upper
43 100
74 24.2 18.6 28.0



#20
Methylene Chloride
Concen: 6.283 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007118.D
Acq: 18 Jan 2019 05:08

Tgt Ion: 84 Resp: 38466
Ion Ratio Lower Upper
84 100
49 115.5 91.8 137.6
51 36.1 28.5 42.7
86 67.7 50.2 75.2





#25

2-Butanone

Concen: 0.932 ug/l

RT: 4.72 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampled :

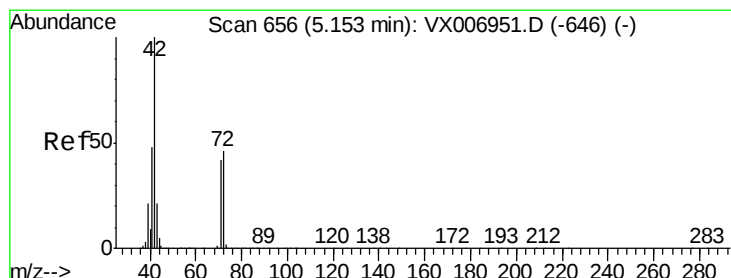
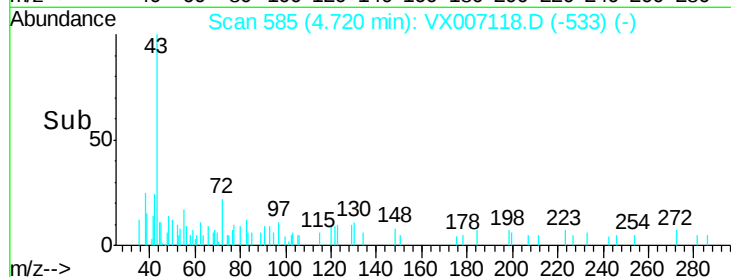
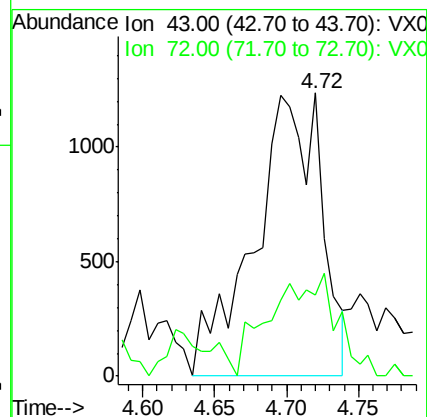
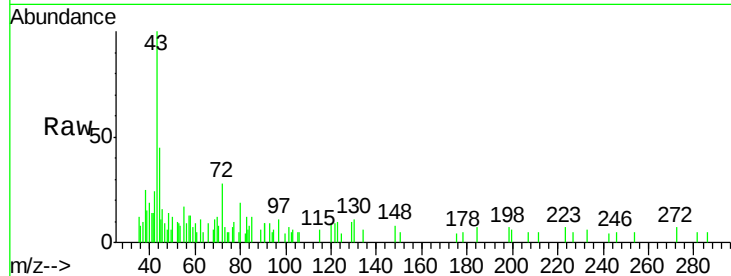
WC-04-011519

Tot Ion: 43 Resp: 3981

Ion Ratio Lower Upper

43 100

72 17.8 22.4 33.6#



#29

Tetrahydrofuran

Concen: 0.511 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

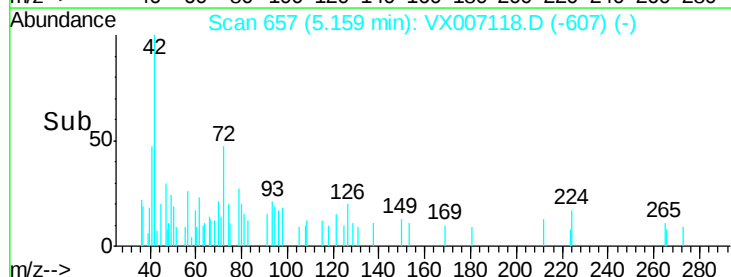
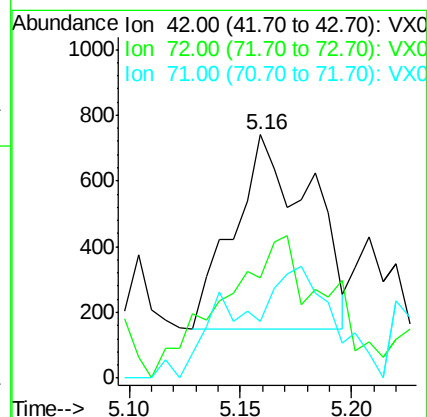
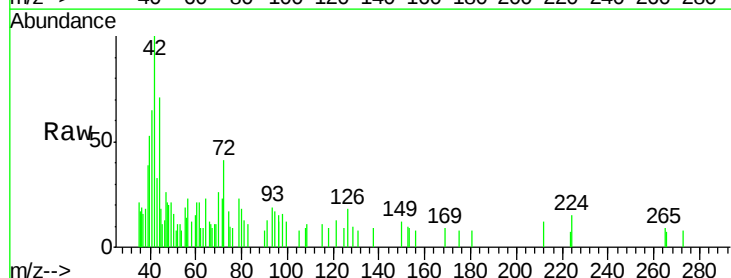
Tgt Ion: 42 Resp: 1419

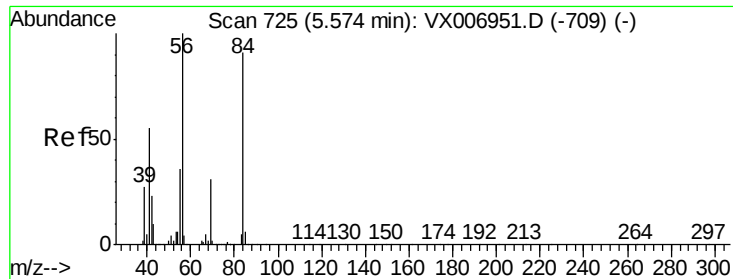
Ion Ratio Lower Upper

42 100

72 98.5 38.9 58.3#

71 45.0 36.2 54.4

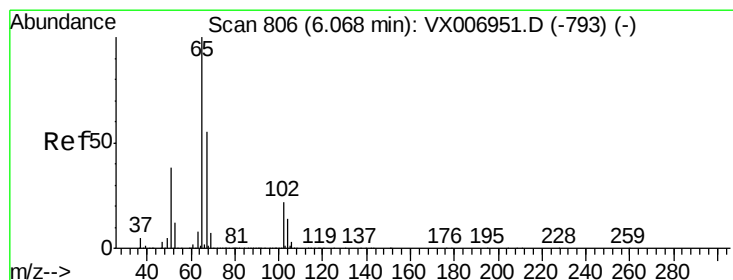
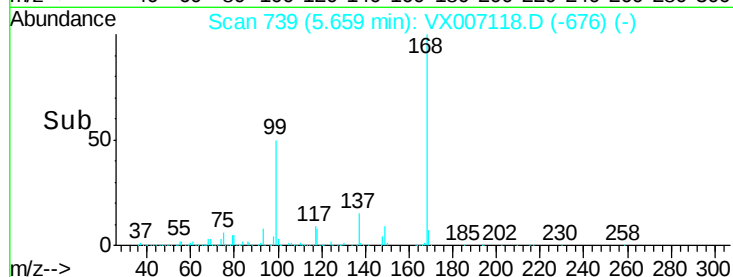
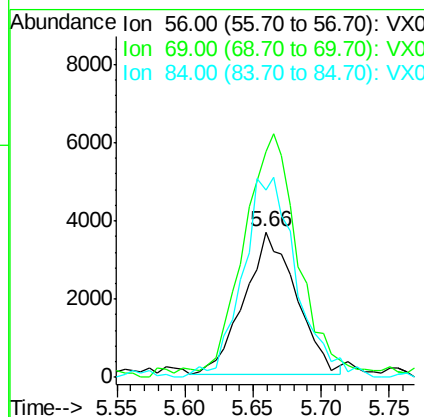
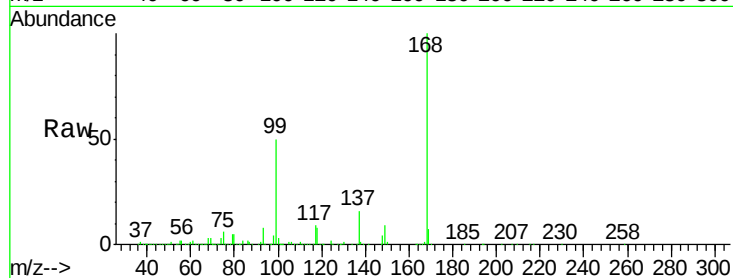




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007118.D
Acq: 18 Jan 2019 05:08

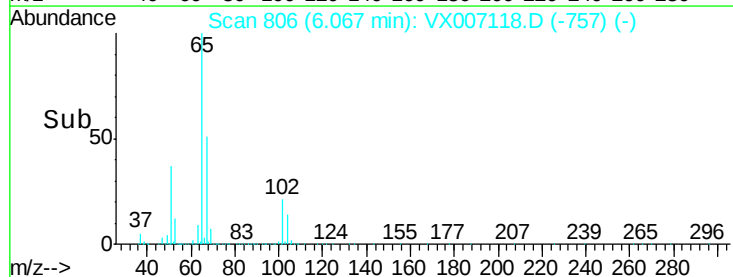
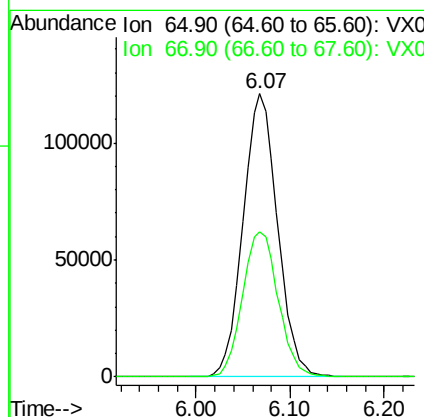
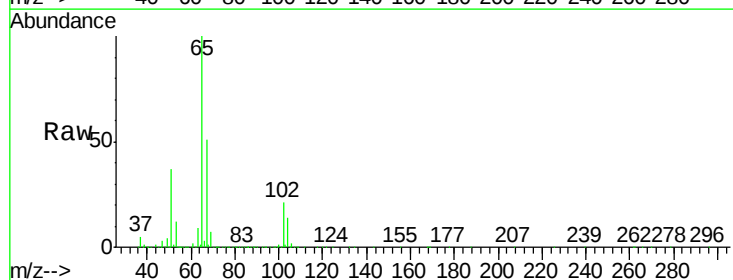
Instrument :
MSVOA_X
ClientSampleId :
WC-04-011519

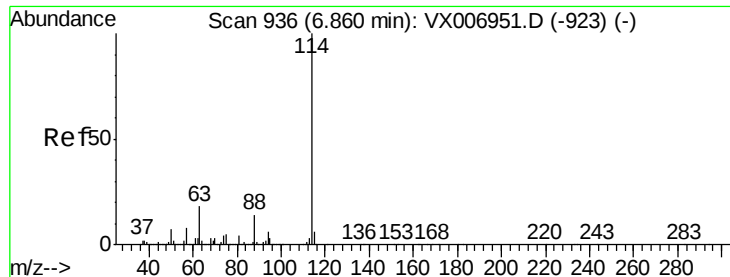
Tot Ion: 56 Resp: 9646
Ion Ratio Lower Upper
56 100
69 153.6 24.4 36.6#
84 128.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.356 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007118.D
Acq: 18 Jan 2019 05:08

Tgt Ion: 65 Resp: 309962
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

WC-04-011519

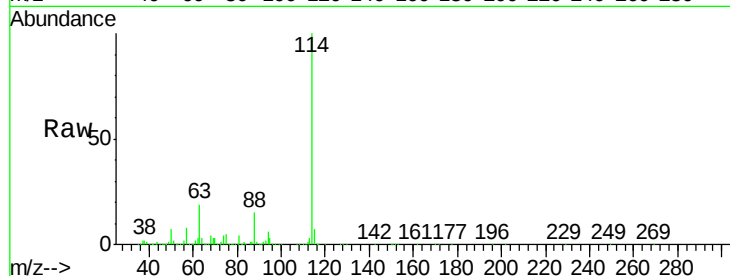
Tot Ion:114 Resp: 884990

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.8

88 14.5 0.0 28.8



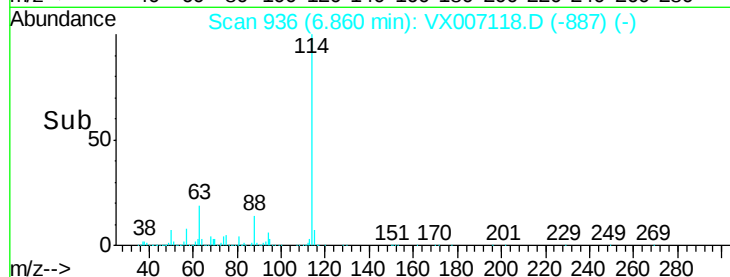
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

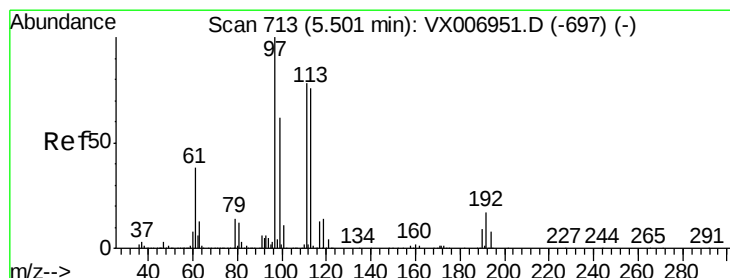
Ion 87.90 (87.60 to 88.60): VX0

6.86

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 48.081 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

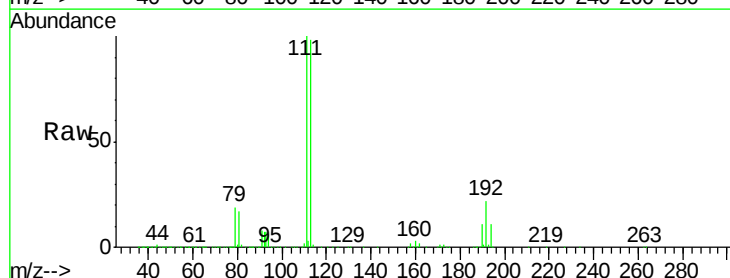
Tgt Ion:113 Resp: 272497

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

192 22.1 16.7 25.1



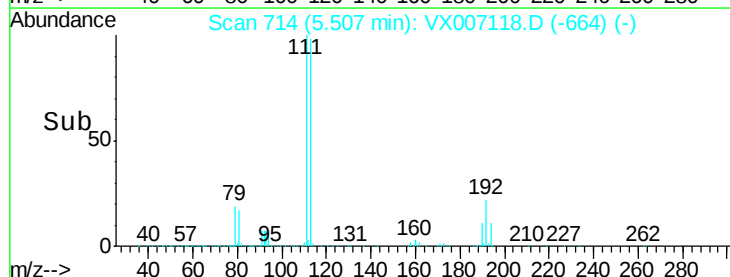
Abundance Ion 112.80 (112.50 to 113.50): V

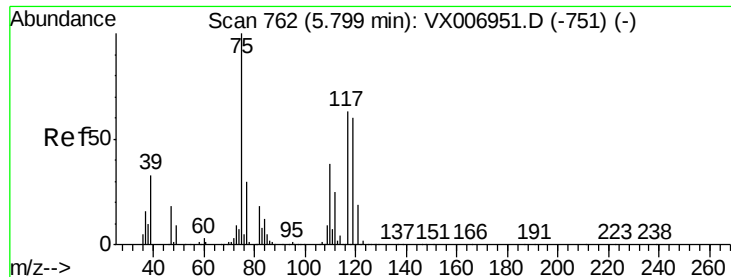
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.51

Time-->





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

WC-04-011519

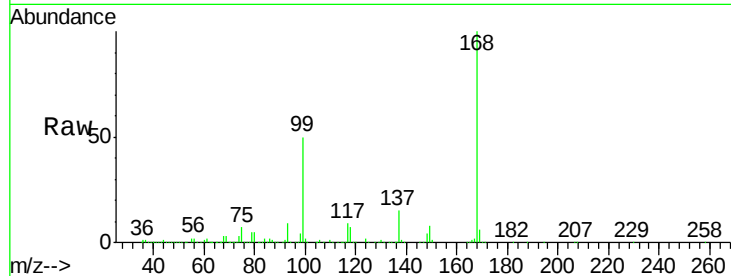
Tot Ion: 75 Resp: 36300

Ion Ratio Lower Upper

75 100

110 10.9 20.2 60.5#

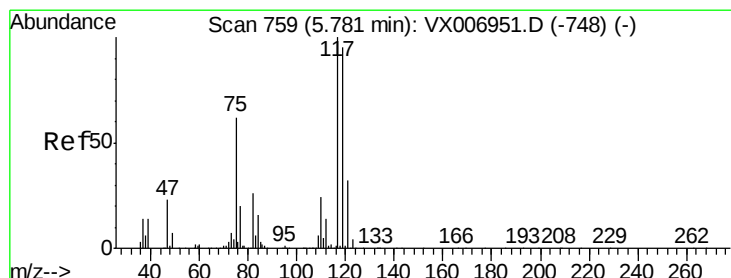
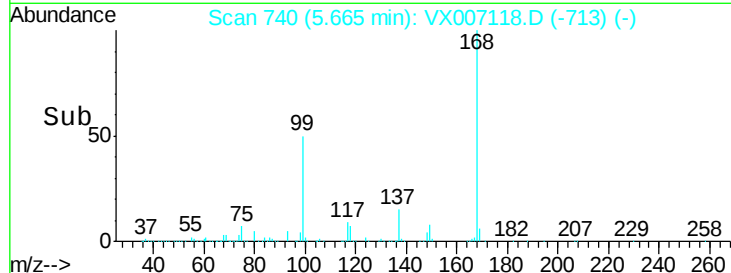
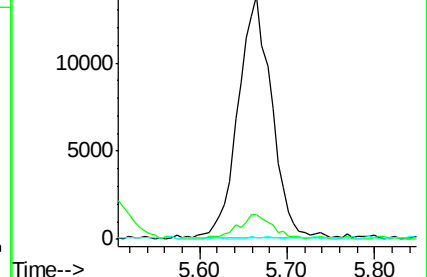
77 0.7 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX007118.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX007118.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX007118.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.675 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

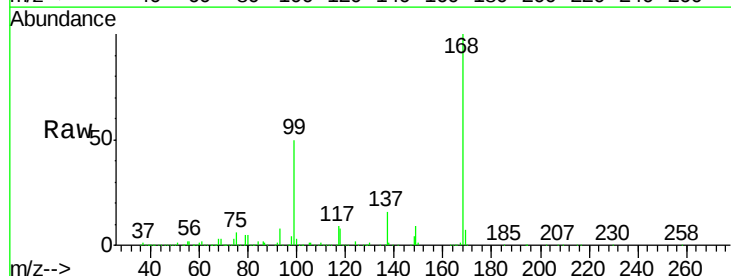
Tgt Ion: 117 Resp: 51674

Ion Ratio Lower Upper

117 100

119 3.3 79.4 119.2#

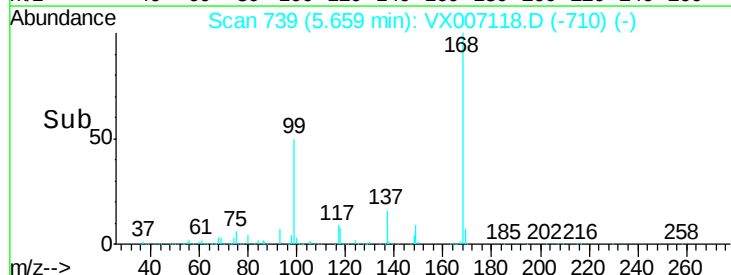
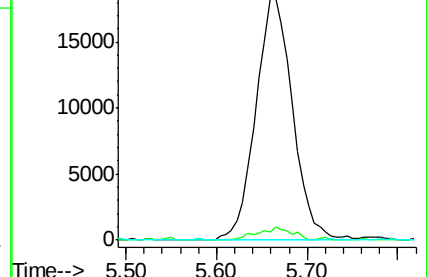
121 0.4 24.0 36.0#

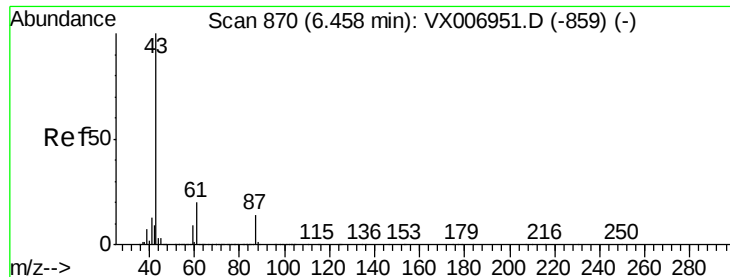


Abundance Ion 116.80 (116.50 to 117.50): VX007118.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX007118.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX007118.D (-710) (-)





#43

Isopropyl Acetate

Concen: 1.583 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

WC-04-011519

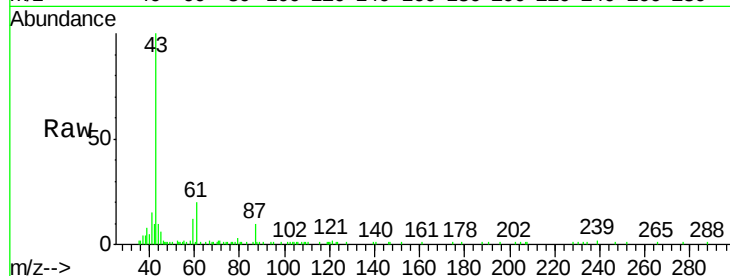
Tot Ion: 43 Resp: 20594

Ion Ratio Lower Upper

43 100

61 20.0 16.8 25.2

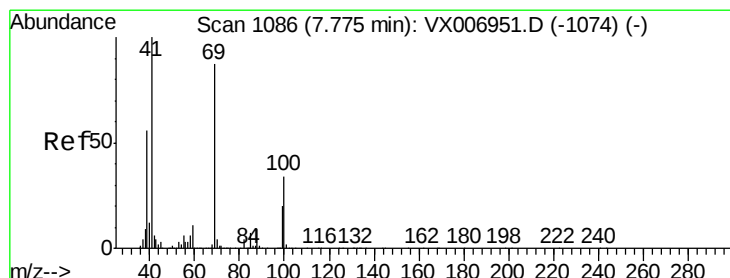
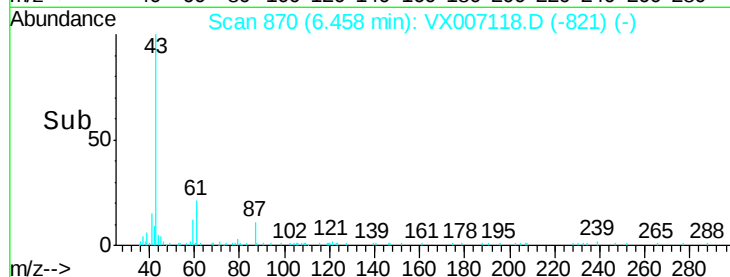
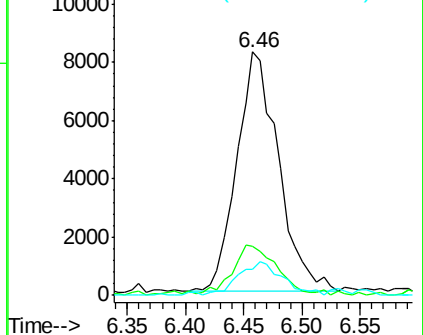
87 14.7 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.425 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

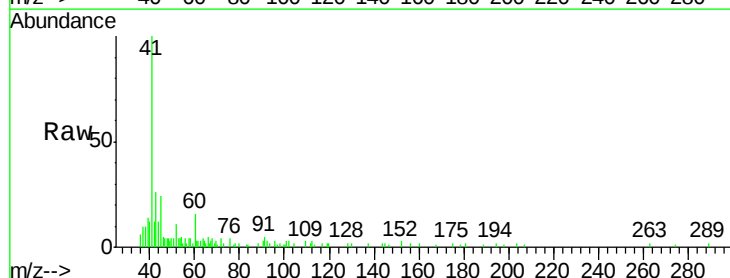
Tgt Ion: 41 Resp: 9524

Ion Ratio Lower Upper

41 100

69 1.0 72.4 108.6#

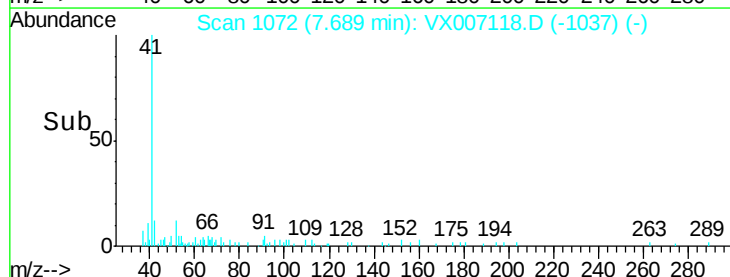
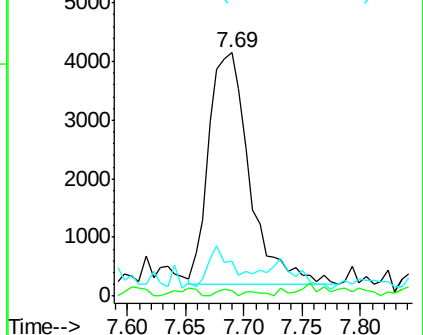
39 0.0 45.8 68.8#

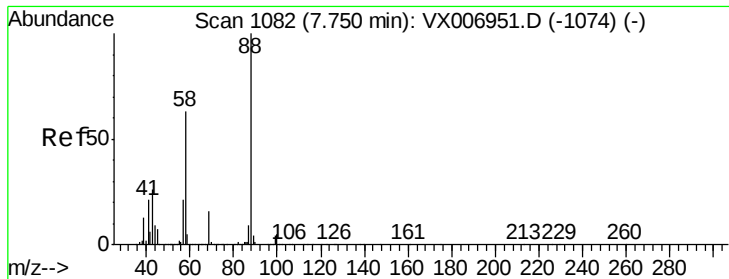


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

WC-04-011519

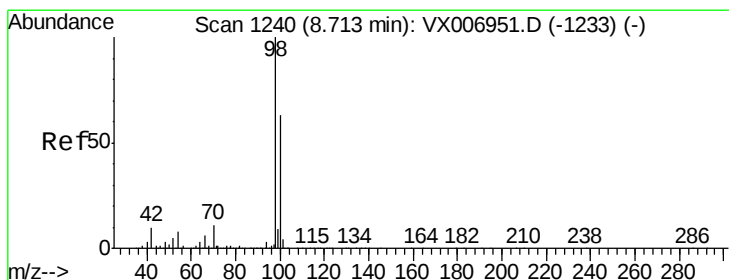
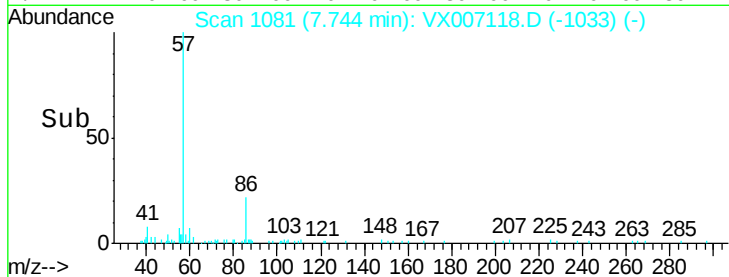
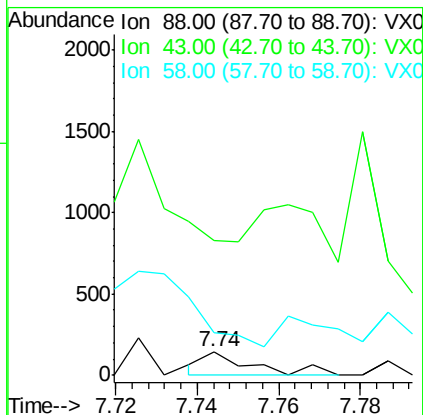
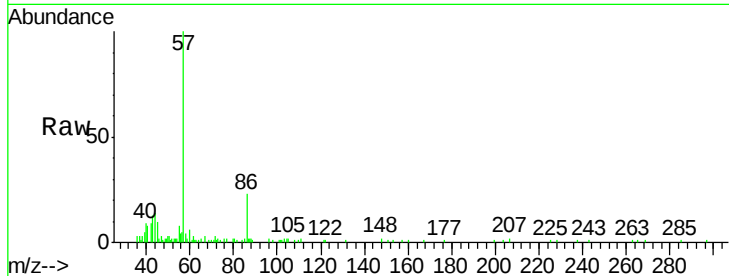
Tot Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 136.1 51.0 76.4#



#50

Toluene-d8

Concen: 52.176 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007118.D

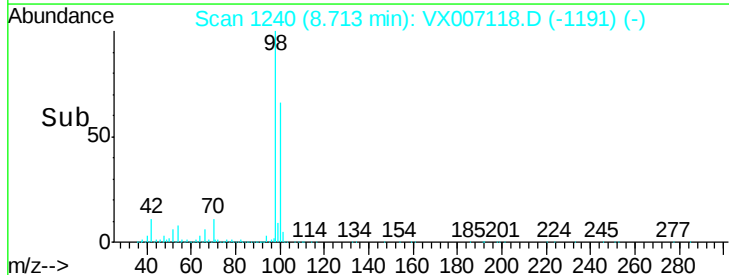
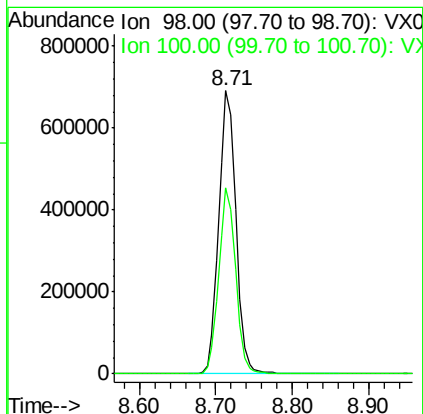
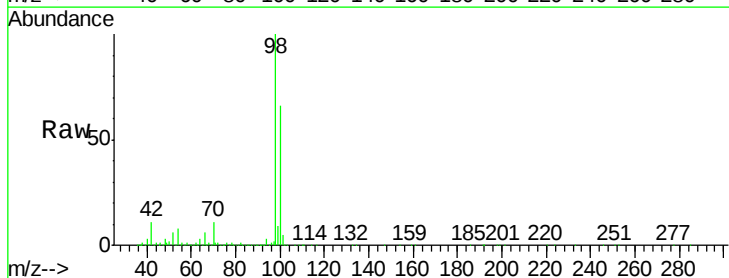
Acq: 18 Jan 2019 05:08

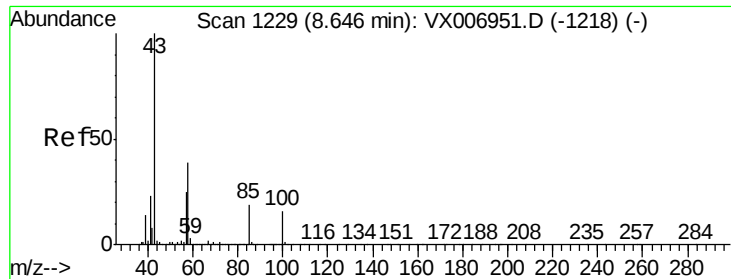
Tgt Ion: 98 Resp: 1082375

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

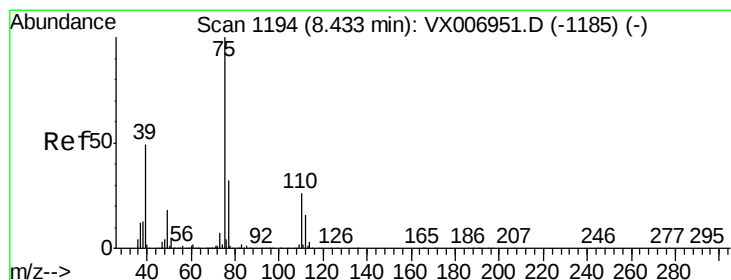
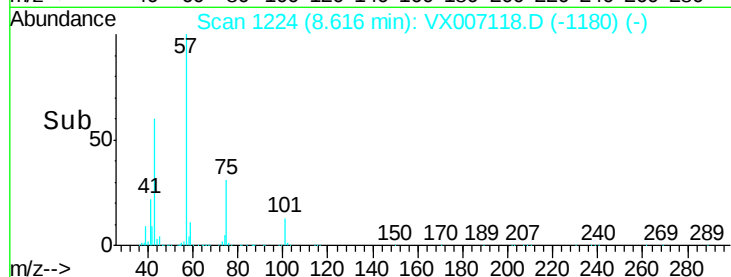
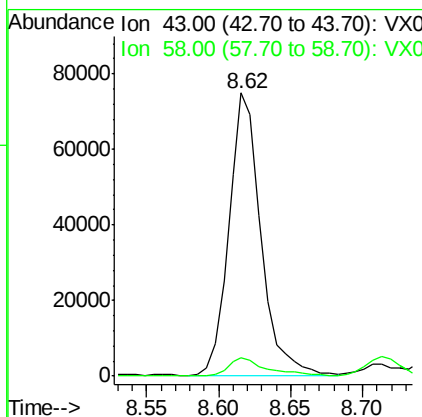
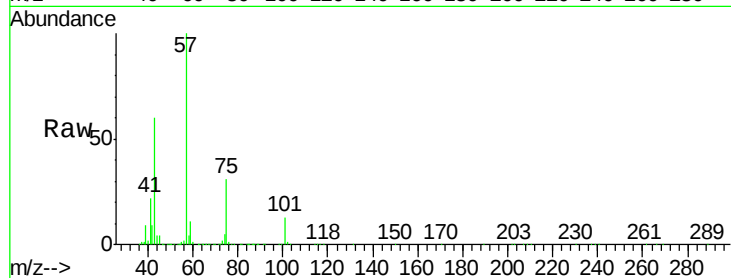




#51
 4-Methyl-2-Pentanone
 Concen: 13.819 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. -0.03 min
 Lab File: VX007118.D
 Acq: 18 Jan 2019 05:08

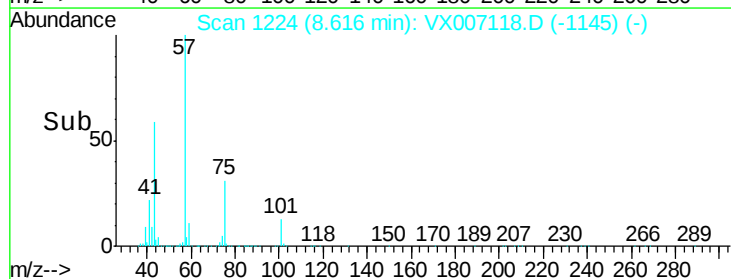
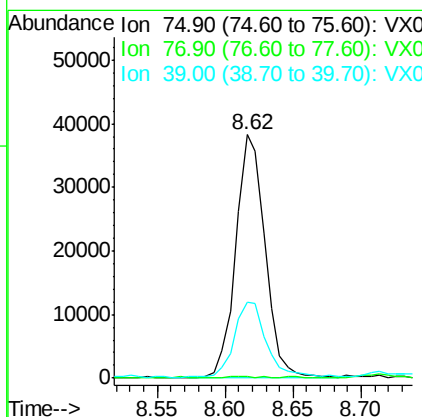
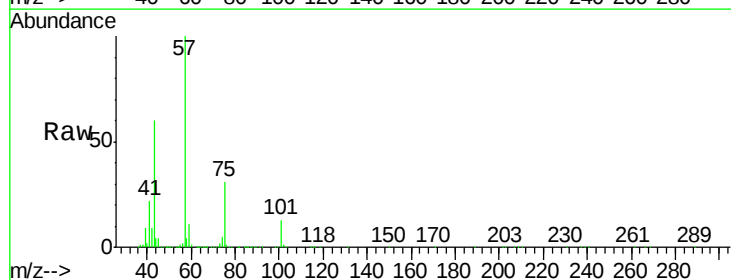
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-04-011519

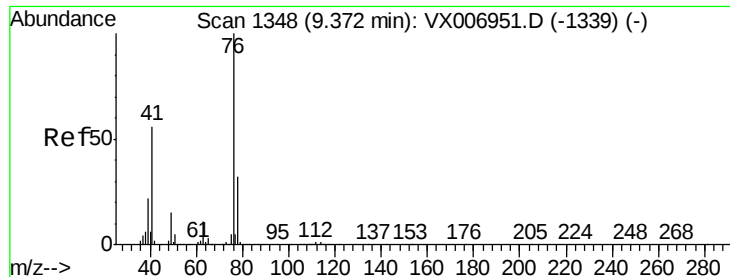
Tot Ion: 43 Resp: 11552
 Ion Ratio Lower Upper
 43 100
 58 7.6 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.661 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX007118.D
 Acq: 18 Jan 2019 05:08

Tgt Ion: 75 Resp: 57597
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.2 39.2#
 39 30.5 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 0.868 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

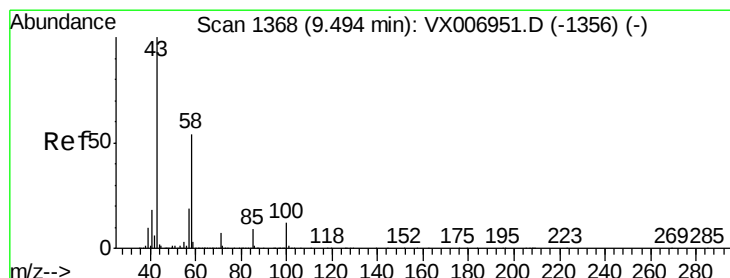
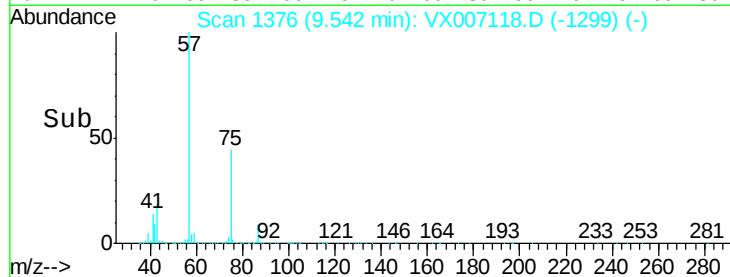
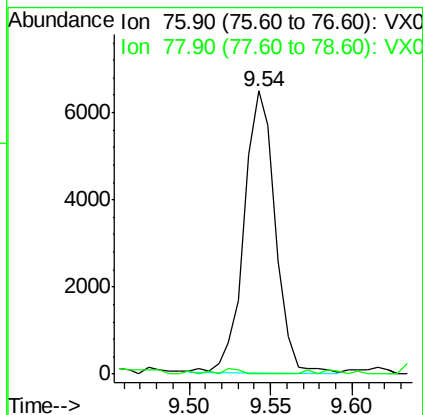
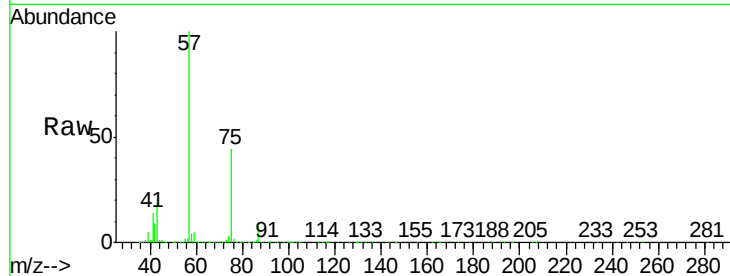
WC-04-011519

Tot Ion: 76 Resp: 8589

Ion Ratio Lower Upper

76 100

78 1.2 26.0 39.0#



#59

2-Hexanone

Concen: 16.830 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007118.D

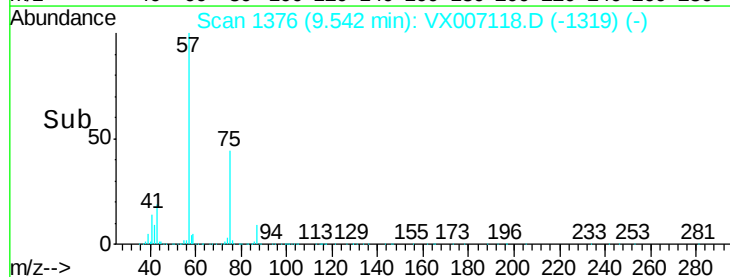
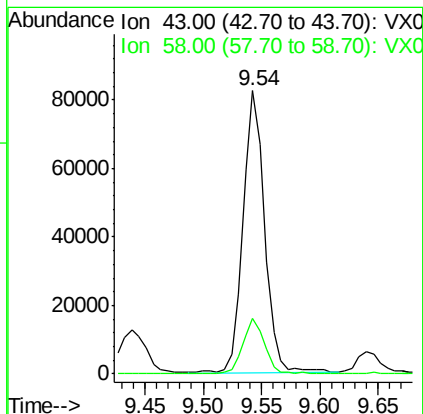
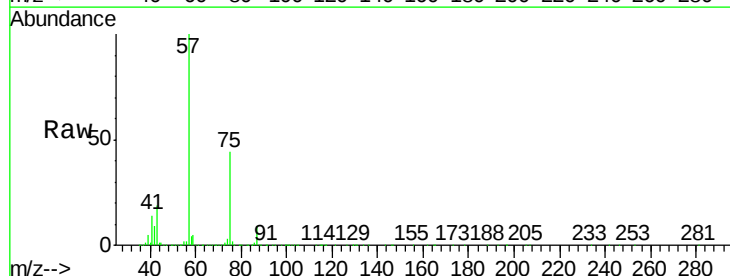
Acq: 18 Jan 2019 05:08

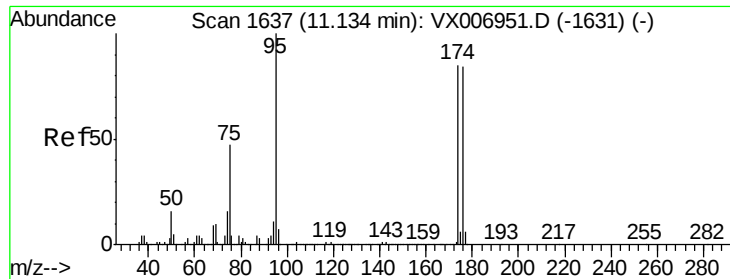
Tgt Ion: 43 Resp: 107249

Ion Ratio Lower Upper

43 100

58 19.9 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 54.587 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

WC-04-011519

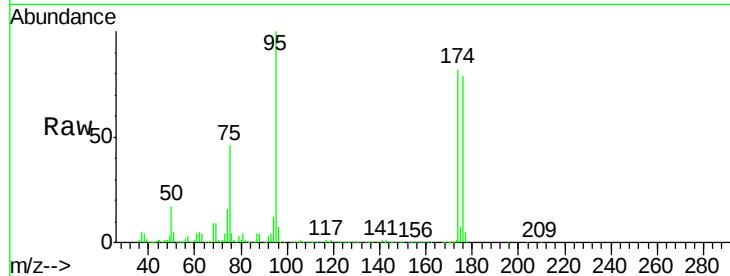
Tot Ion: 95 Resp: 394775

Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.2

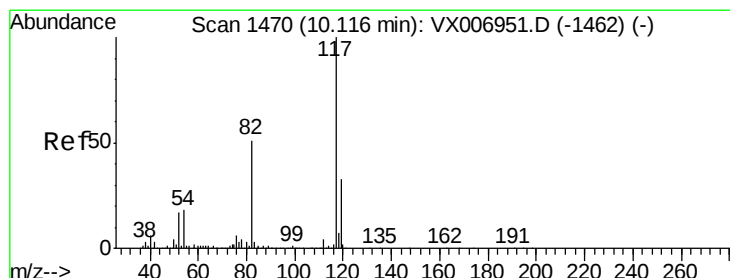
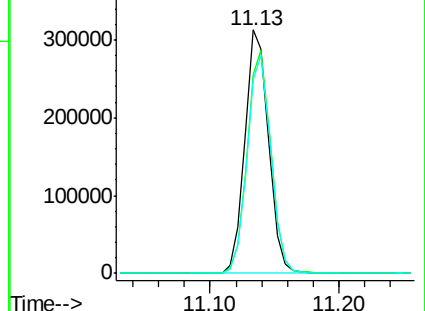
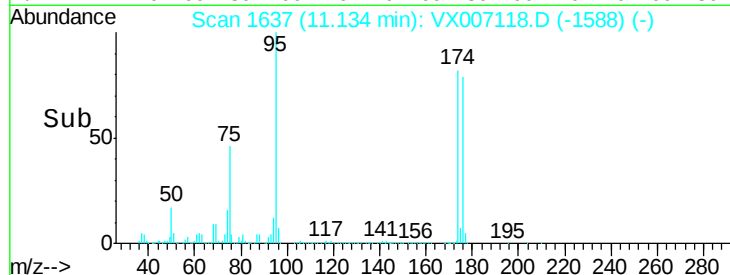
176 89.1 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX007118.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007118.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007118.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

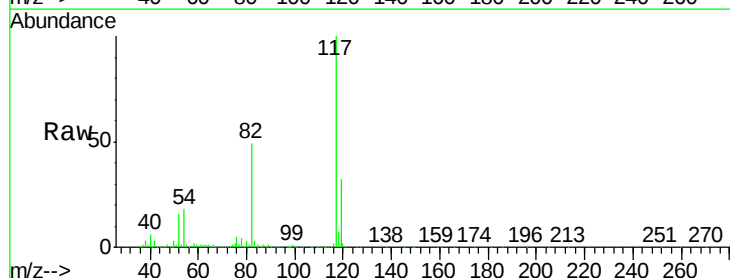
Tgt Ion: 117 Resp: 860744

Ion Ratio Lower Upper

117 100

82 49.2 41.0 61.6

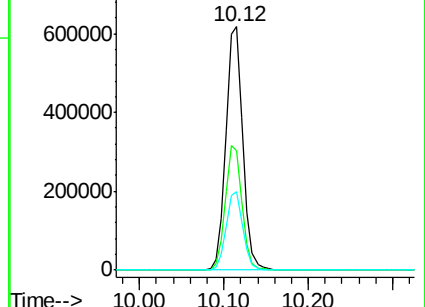
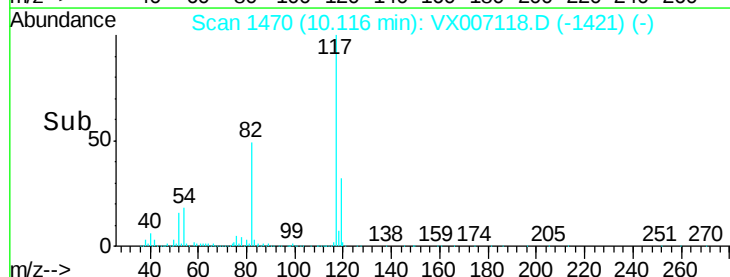
119 32.1 25.4 38.0

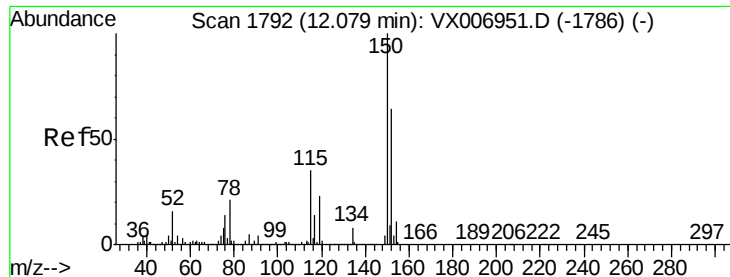


Abundance Ion 116.90 (116.60 to 117.60): VX007118.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX007118.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX007118.D (-1421) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

WC-04-011519

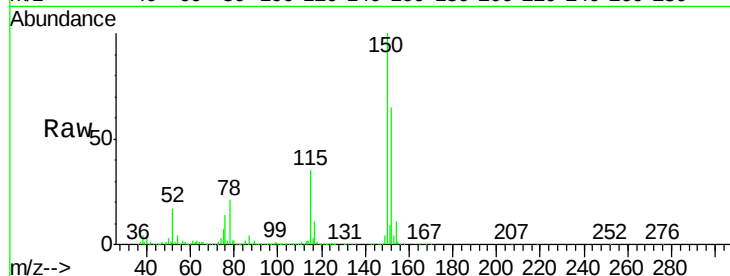
Tot Ion:152 Resp: 423819

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.2

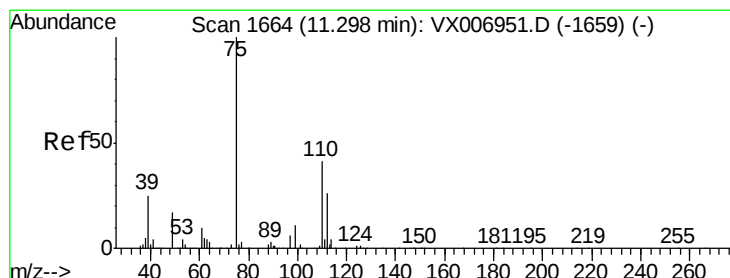
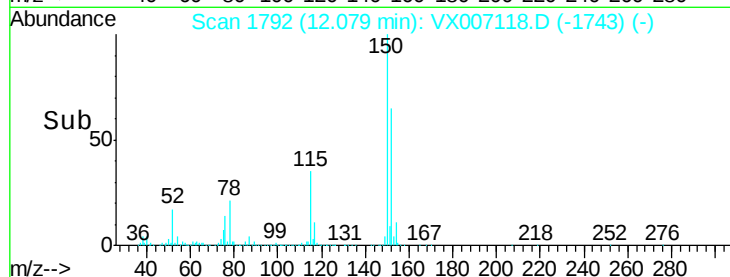
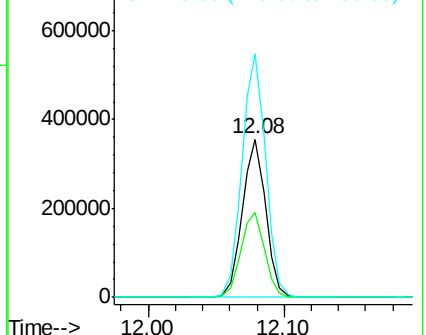
150 156.7 0.0 344.8



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: 21.893 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007118.D

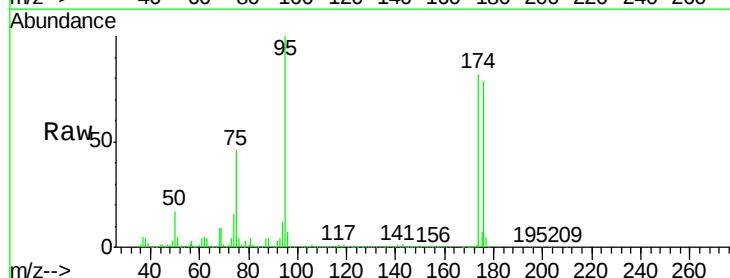
Acq: 18 Jan 2019 05:08

Tgt Ion: 75 Resp: 188026

Ion Ratio Lower Upper

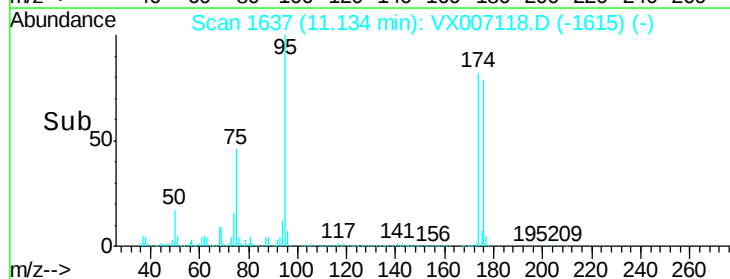
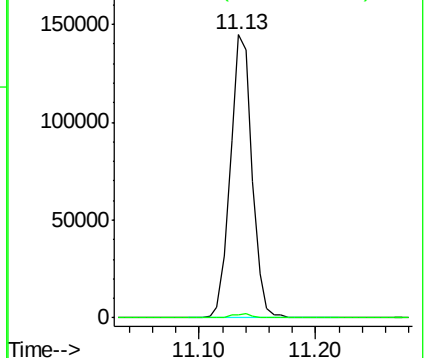
75 100

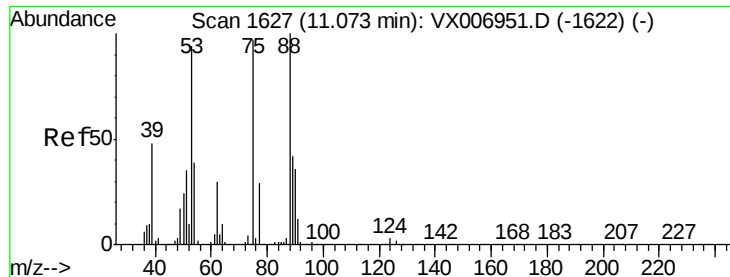
77 1.5 18.5 55.5#



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: 64.853 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007118.D

Acq: 18 Jan 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

WC-04-011519

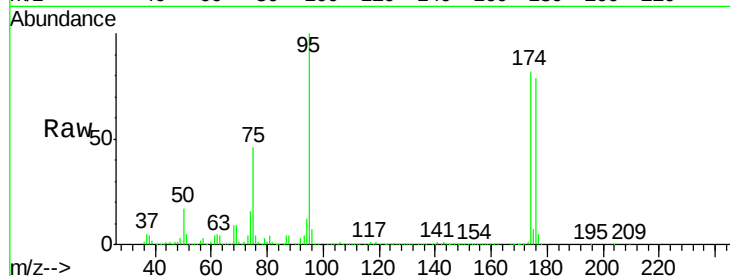
Tot Ion: 75 Resp: 188026

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

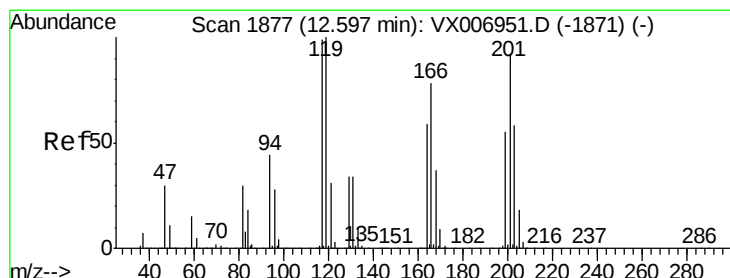
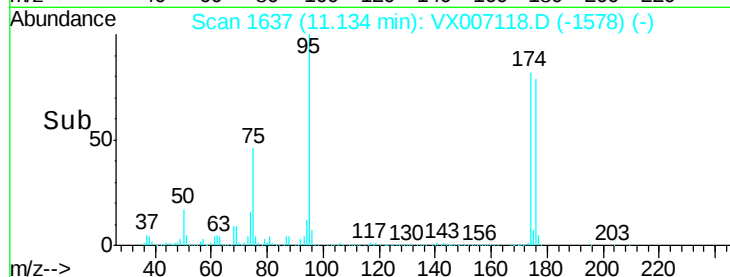
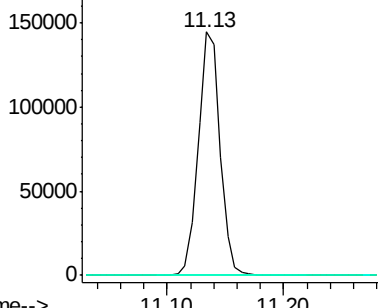
89 0.1 38.0 57.0#



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: 2.923 ug/l

RT: 12.38 min Scan# 1841

Delta R.T. -0.22 min

Lab File: VX007118.D

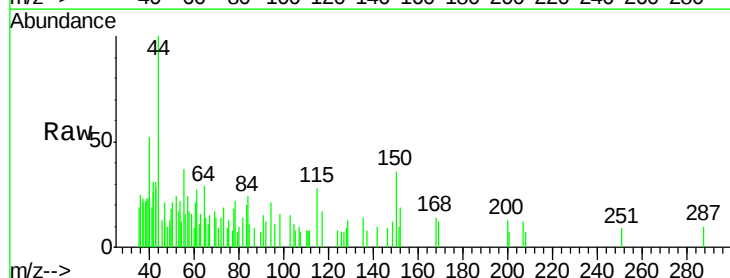
Acq: 18 Jan 2019 05:08

Tgt Ion: 117 Resp: 68

Ion Ratio Lower Upper

117 100

201 64.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

